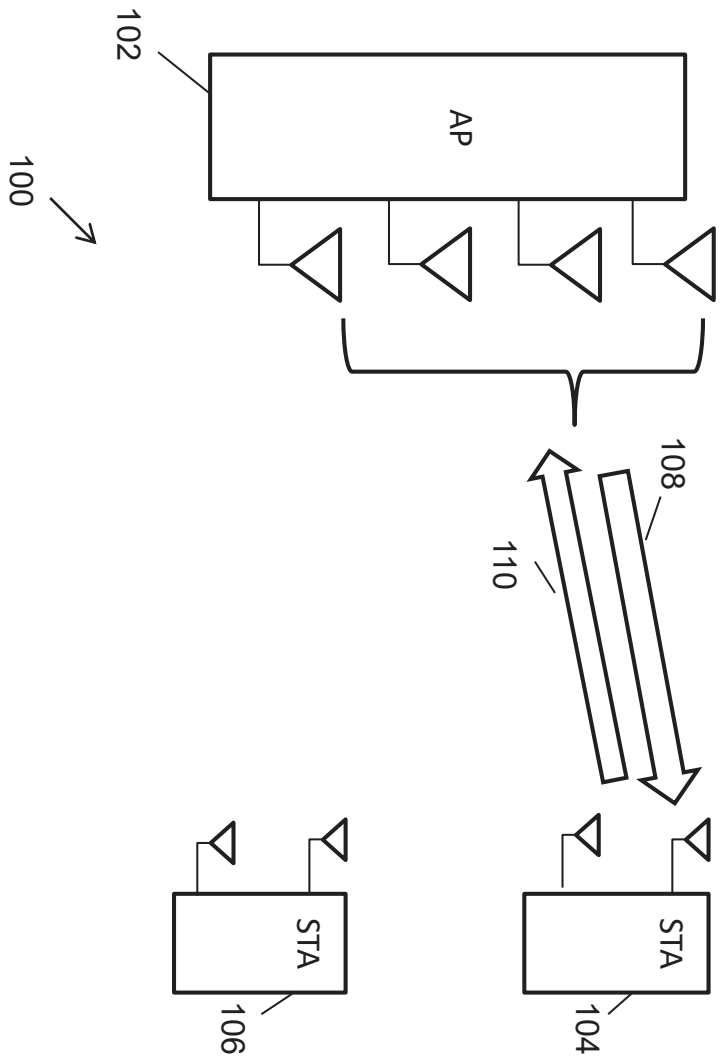


Figure 1

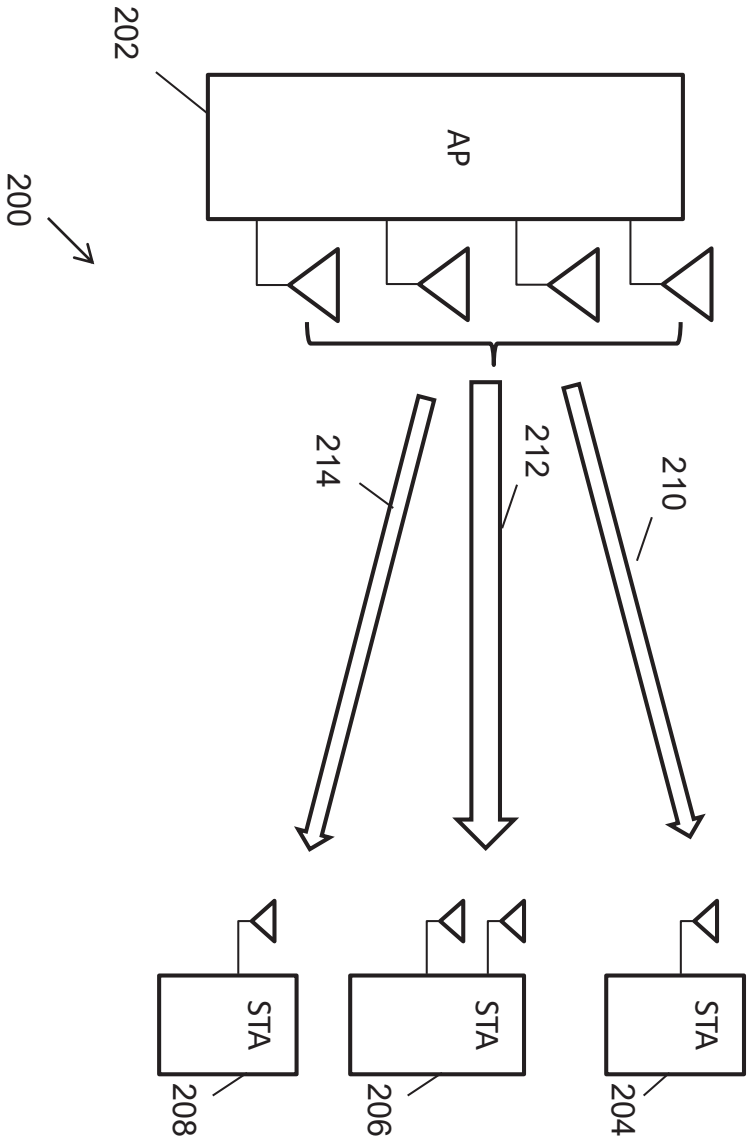


Figure 2

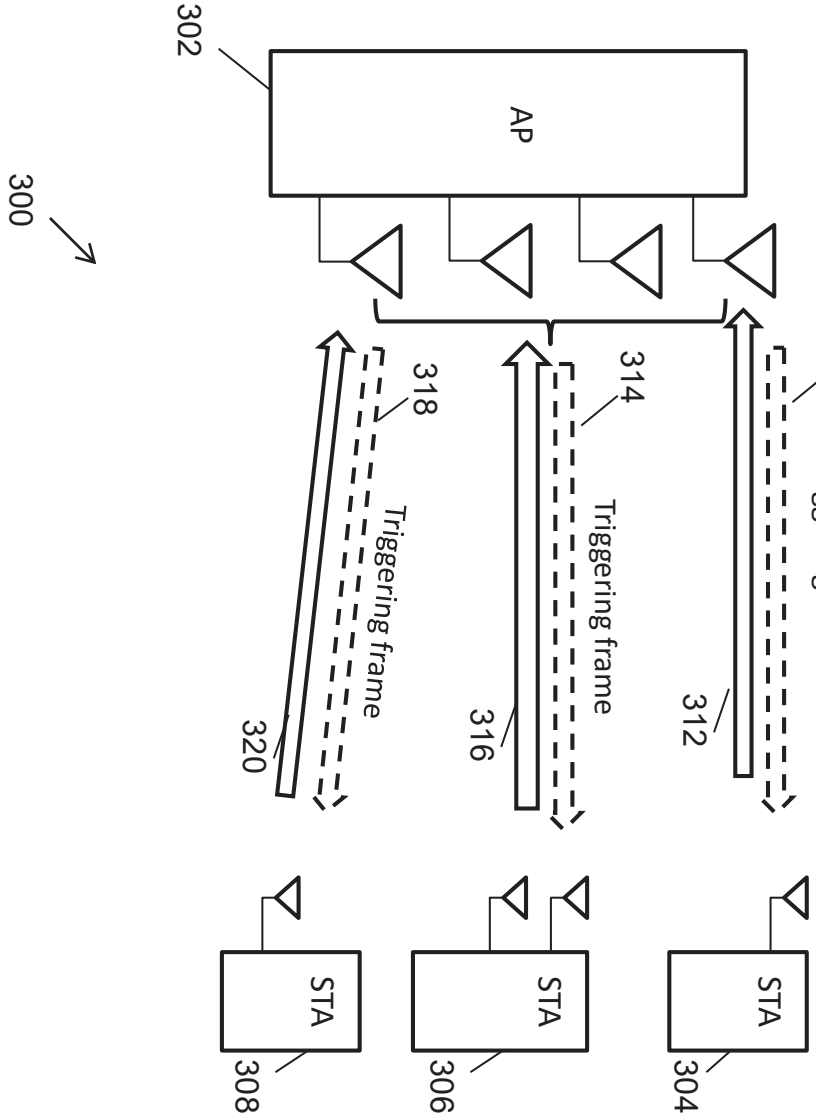

300
302
AP
310
Triggering frame
312
314
Triggering frame
316
318
Triggering frame
320
STA
304
STA
306
STA
308

Figure 3

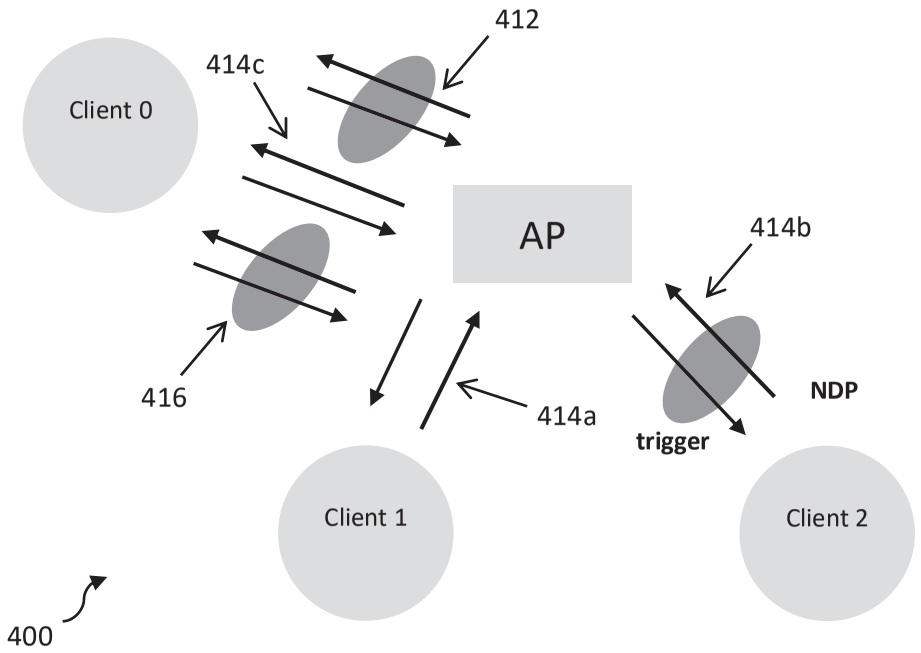

412
414c
Client 0
AP
414b
416
414a
NDP
trigger
Client 1
Client 2
400

Figure 4

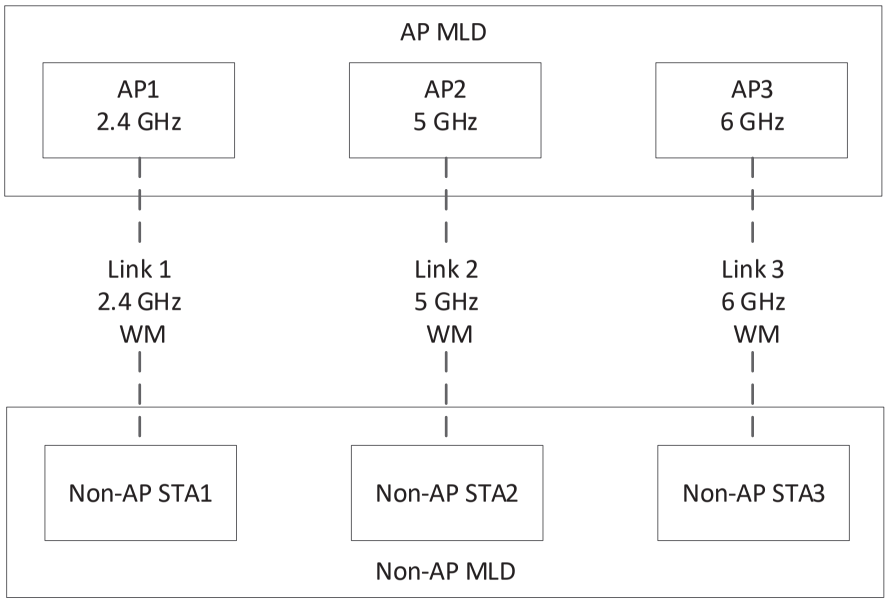

AP MLD
AP1
2.4 GHz
AP2
5 GHz
AP3
6 GHz
Link 1
2.4 GHz
WM
Link 2
5 GHz
WM
Link 3
6 GHz
WM
Non-AP STA1
Non-AP STA2
Non-AP STA3
Non-AP MLD
500

Figure 5

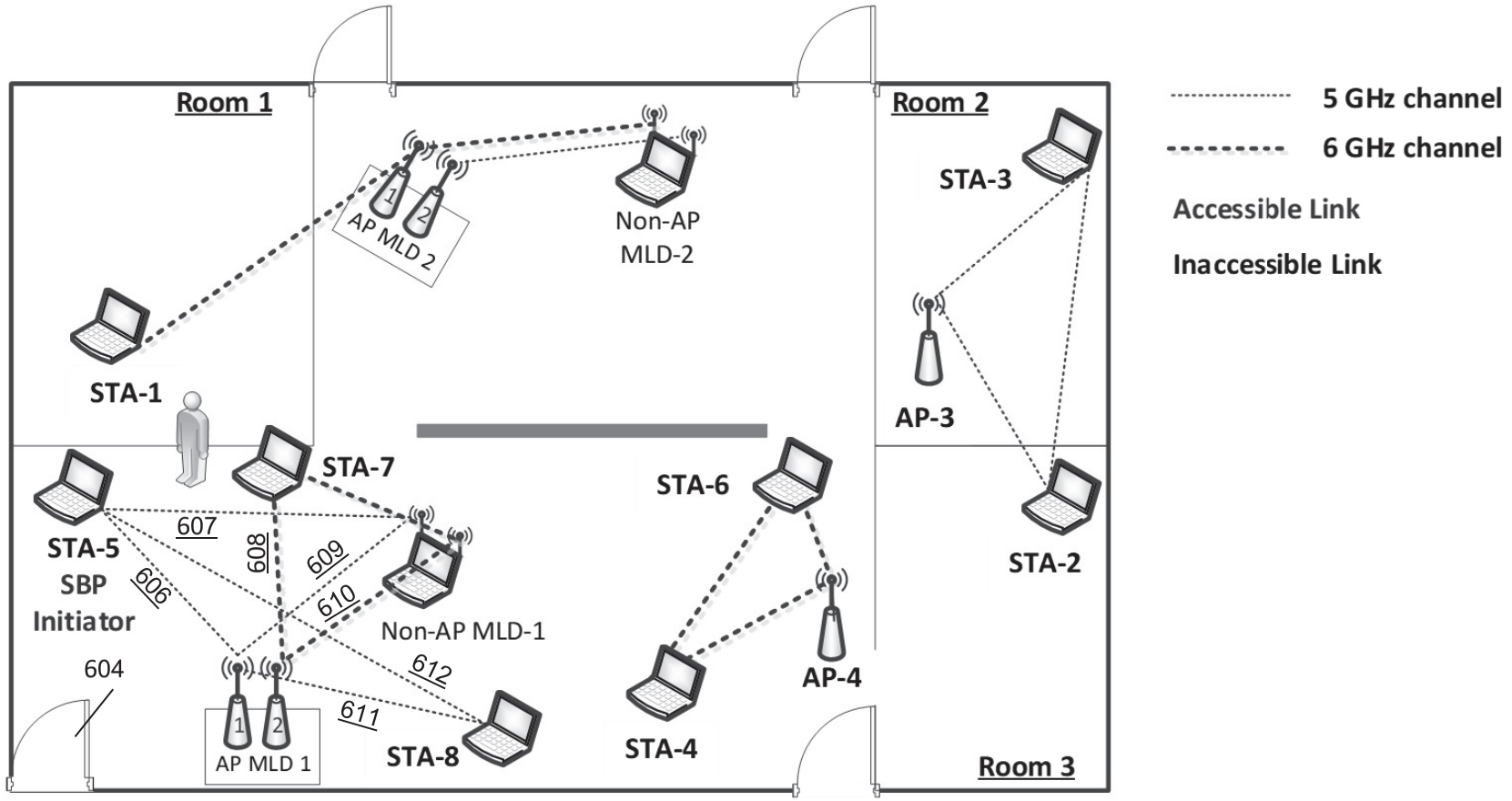

Room 1
Room 2
Room 3
AP MLD 2
Non-AP
MLD-2
STA-3
STA-1
AP-3
STA-7
STA-6
STA-5
SBP
Initiator
607
608
609
610
606
Non-AP MLD-1
STA-2
604
612
611
AP MLD 1
STA-8
STA-4
AP-4
5 GHz channel
6 GHz channel
Accessible Link
Inaccessible Link
600

Figure 6

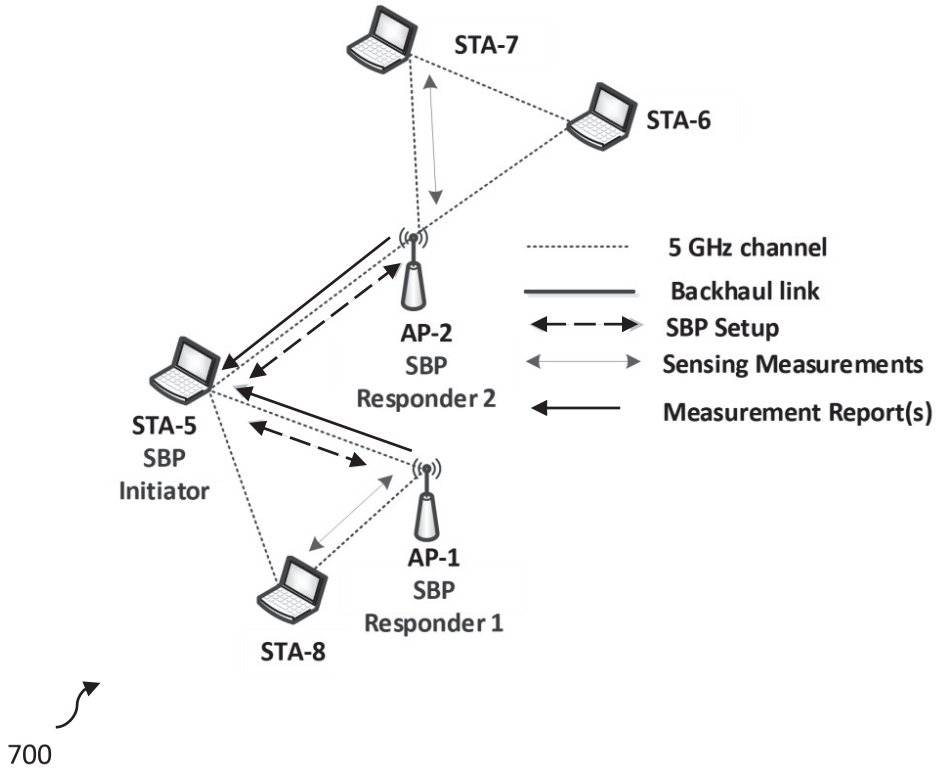

STA-7
STA-6
AP-2
SBP
Responder 2
STA-5
SBP
Initiator
AP-1
SBP
Responder 1
STA-8
5 GHz channel
Backhaul link
SBP Setup
Sensing Measurements
Measurement Report(s)
700

Figure 7

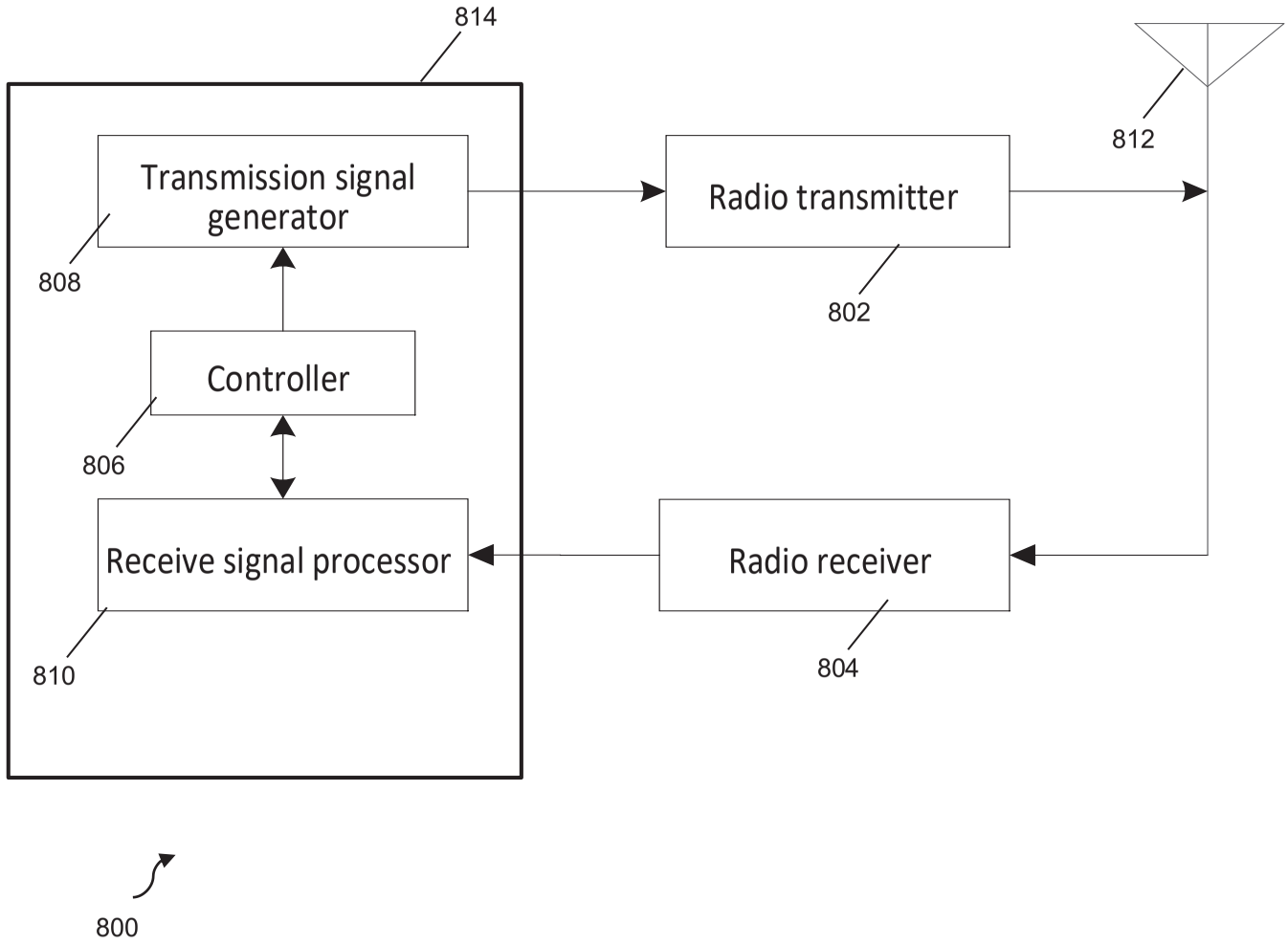

814
812
Transmission signal generator
Radio transmitter
808
802
Controller
806
Receive signal processor
Radio receiver
810
804
800

Figure 8

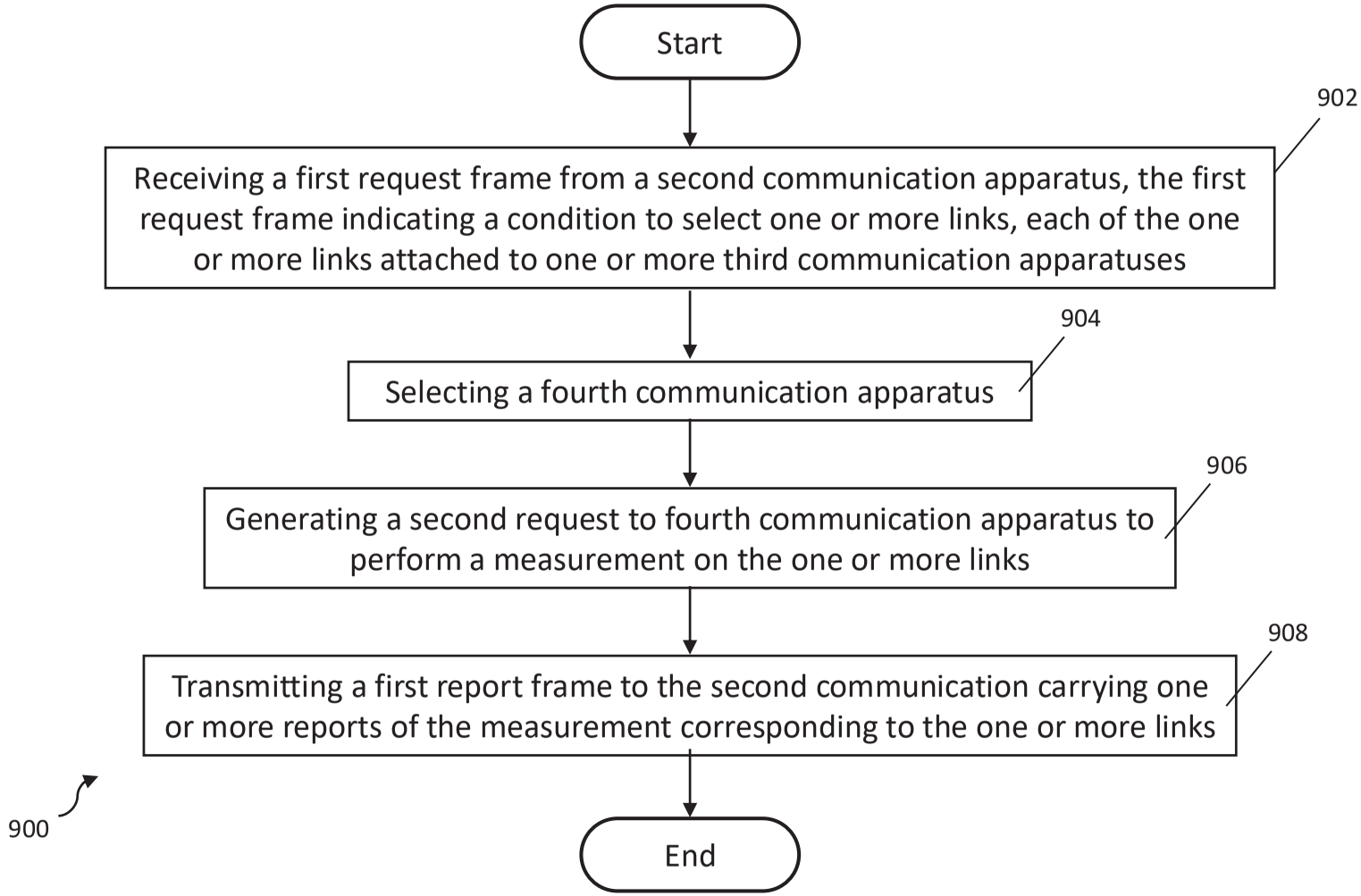

Start
902
Receiving a first request frame from a second communication apparatus, the first request frame indicating a condition to select one or more links, each of the one or more links attached to one or more third communication apparatuses
904
Selecting a fourth communication apparatus
906
Generating a second request to fourth communication apparatus to perform a measurement on the one or more links
908
Transmitting a first report frame to the second communication carrying one or more reports of the measurement corresponding to the one or more links
900
End

Figure 9

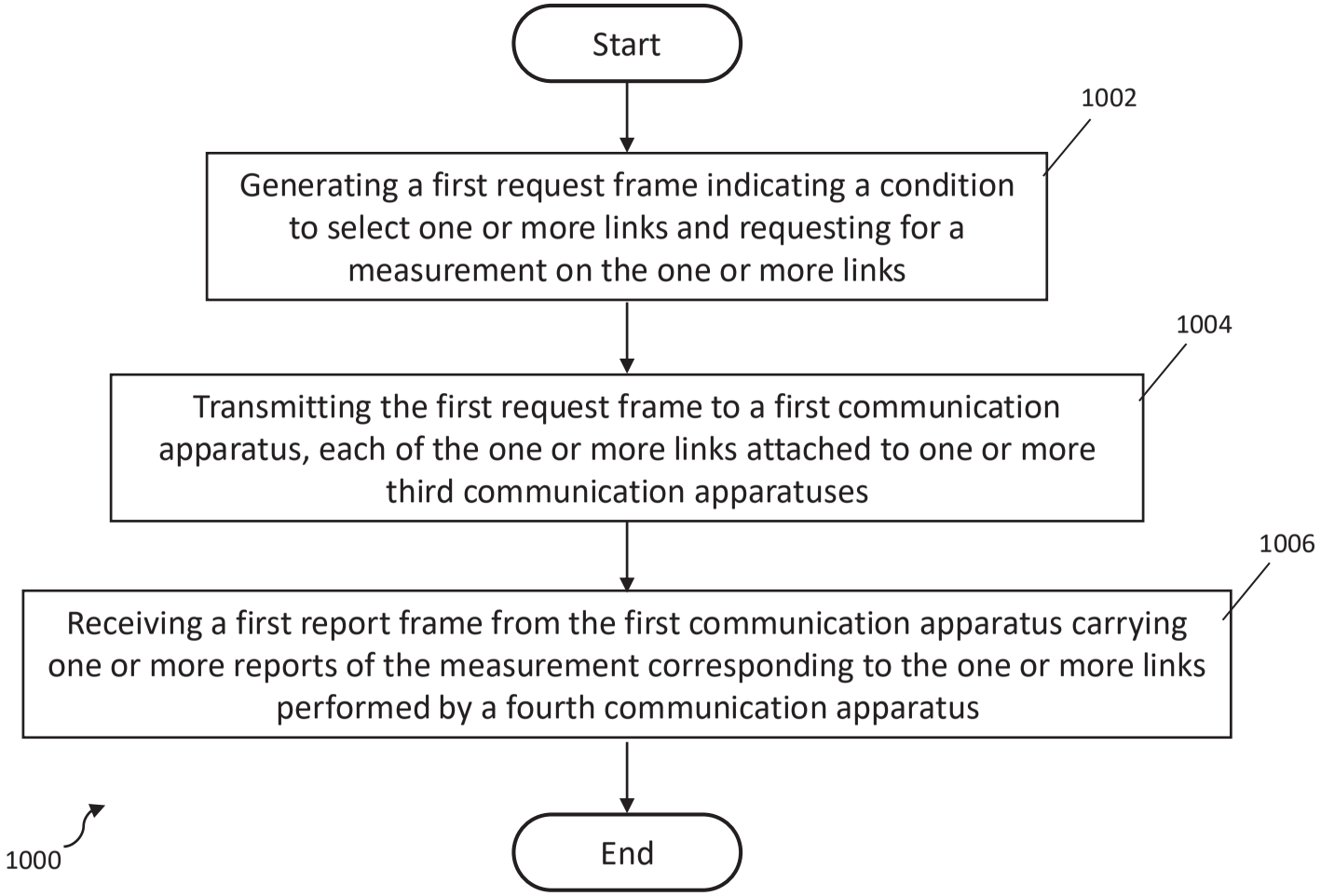

Start
1002
Generating a first request frame indicating a condition to select one or more links and requesting for a measurement on the one or more links
1004
Transmitting the first request frame to a first communication apparatus, each of the one or more links attached to one or more third communication apparatuses
1006
Receiving a first report frame from the first communication apparatus carrying one or more reports of the measurement corresponding to the one or more links performed by a fourth communication apparatus
End
1000

Figure 10

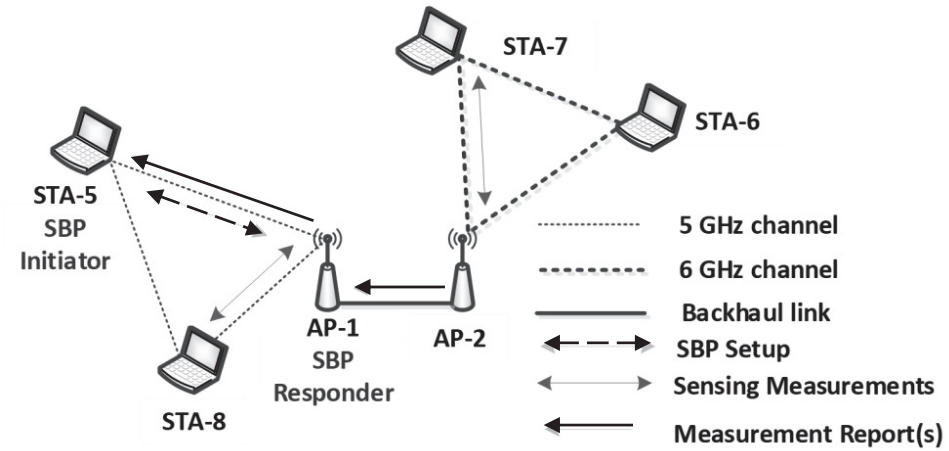

STA-7
STA-6
STA-5
SBP
Initiator
AP-1
SBP
Responder
AP-2
STA-8
5 GHz channel
6 GHz channel
Backhaul link
SBP Setup
Sensing Measurements
Measurement Report(s)
1100

Figure 11

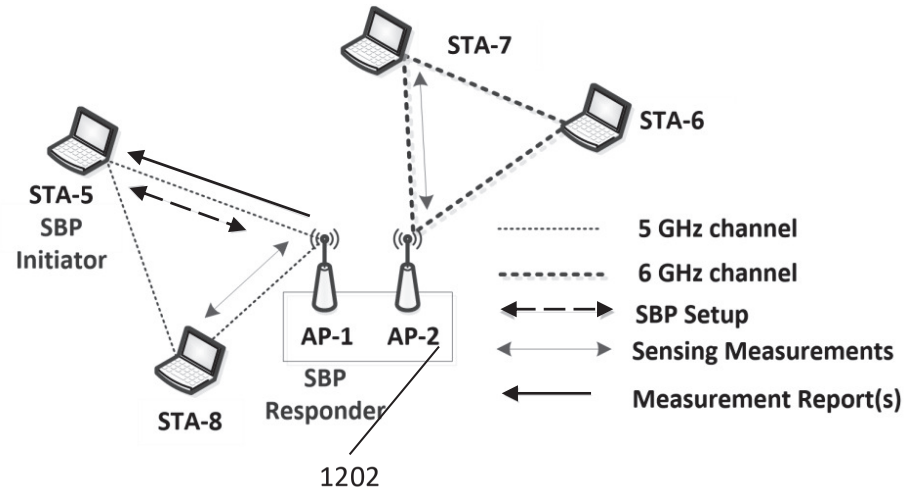

STA-7
STA-6
STA-5
SBP
Initiator
AP-1
AP-2
SBP
Responder
STA-8
5 GHz channel
6 GHz channel
SBP Setup
Sensing Measurements
Measurement Report(s)
1202
1200

Figure 12

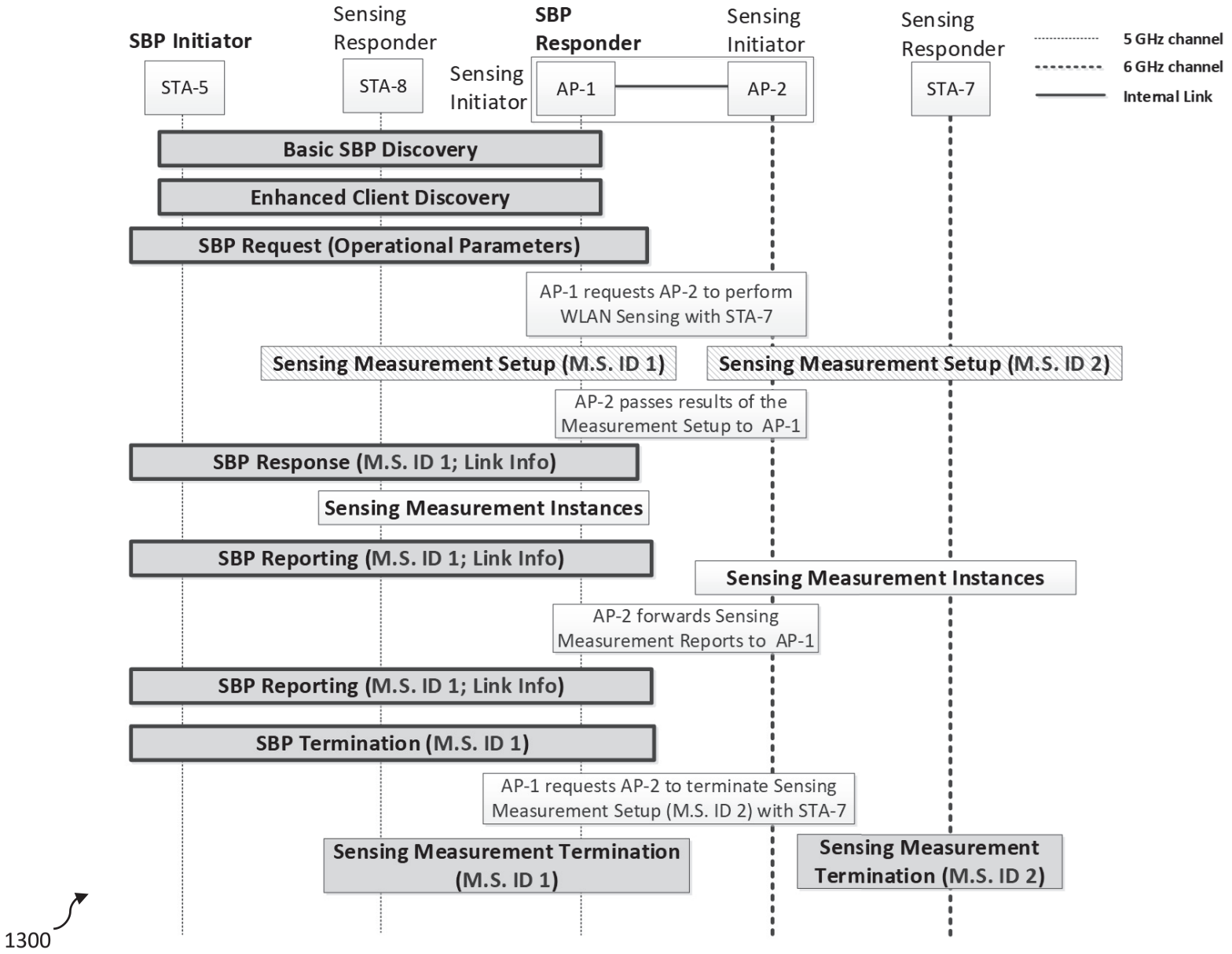

SBP Initiator
STA-5
Sensing Responder
STA-8
Sensing Initiator
SBP Responder
AP-1
Sensing Initiator
AP-2
Sensing Responder
STA-7
5 GHz channel
6 GHz channel
Internal Link
Basic SBP Discovery
Enhanced Client Discovery
SBP Request (Operational Parameters)
AP-1 requests AP-2 to perform WLAN Sensing with STA-7
Sensing Measurement Setup (M.S. ID 1)
Sensing Measurement Setup (M.S. ID 2)
AP-2 passes results of the Measurement Setup to AP-1
SBP Response (M.S. ID 1; Link Info)
Sensing Measurement Instances
SBP Reporting (M.S. ID 1; Link Info)
Sensing Measurement Instances
AP-2 forwards Sensing Measurement Reports to AP-1
SBP Reporting (M.S. ID 1; Link Info)
SBP Termination (M.S. ID 1)
AP-1 requests AP-2 to terminate Sensing Measurement Setup (M.S. ID 2) with STA-7
Sensing Measurement Termination (M.S. ID 1)
Sensing Measurement Termination (M.S. ID 2)
1300

Figure 13

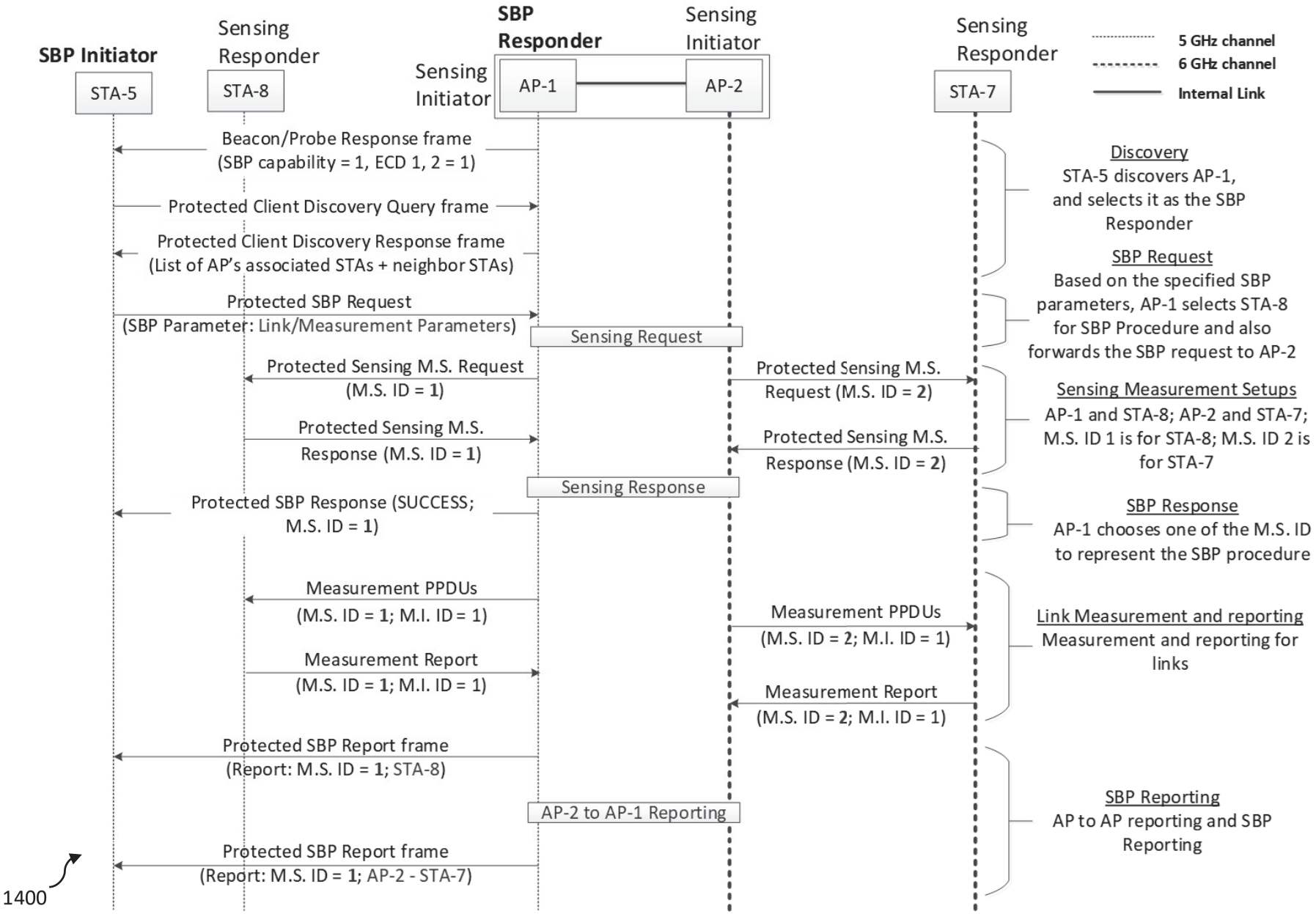

SBP Initiator
Sensing Responder
SBP Responder
Sensing Initiator
Sensing Initiator
Sensing Responder
STA-5
STA-8
AP-1
AP-2
STA-7
5 GHz channel
6 GHz channel
Internal Link
Beacon/Probe Response frame
(SBP capability = 1, ECD 1, 2 = 1)
Protected Client Discovery Query frame
Protected Client Discovery Response frame
(List of AP's associated STAs + neighbor STAs)
Protected SBP Request
(SBP Parameter: Link/Measurement Parameters)
Sensing Request
Protected Sensing M.S. Request
(M.S. ID = 1)
Protected Sensing M.S. Request (M.S. ID = 2)
Protected Sensing M.S. Response
(M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 2)
Sensing Response
Protected SBP Response (SUCCESS; M.S. ID = 1)
Measurement PPDUs
(M.S. ID = 1; M.I. ID = 1)
Measurement PPDUs
(M.S. ID = 2; M.I. ID = 1)
Measurement Report
(M.S. ID = 1; M.I. ID = 1)
Measurement Report
(M.S. ID = 2; M.I. ID = 1)
Protected SBP Report frame
(Report: M.S. ID = 1; STA-8)
AP-2 to AP-1 Reporting
Protected SBP Report frame
(Report: M.S. ID = 1; AP-2 - STA-7)
1400
Discovery
STA-5 discovers AP-1, and selects it as the SBP Responder
SBP Request
Based on the specified SBP parameters, AP-1 selects STA-8 for SBP Procedure and also forwards the SBP request to AP-2
Sensing Measurement Setups
AP-1 and STA-8; AP-2 and STA-7; M.S. ID 1 is for STA-8; M.S. ID 2 is for STA-7
SBP Response
AP-1 chooses one of the M.S. ID to represent the SBP procedure
Link Measurement and reporting
Measurement and reporting for links
SBP Reporting
AP to AP reporting and SBP Reporting

Figure 14

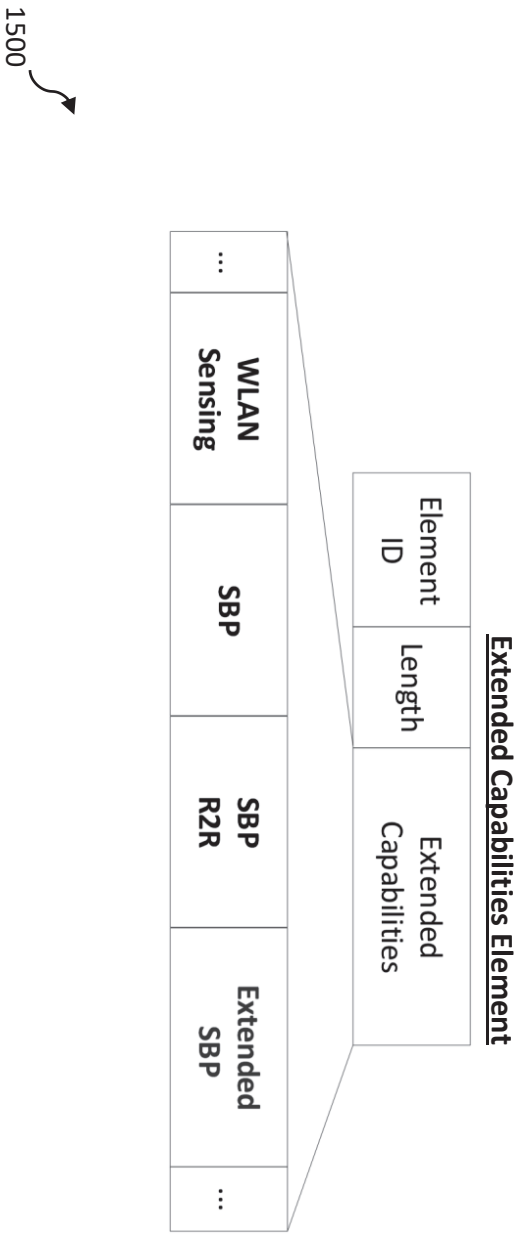

1500
Extended Capabilities Element
Element ID
Length
Extended Capabilities
...
WLAN Sensing
SBP
SBP R2R
Extended SBP
...

Figure 15

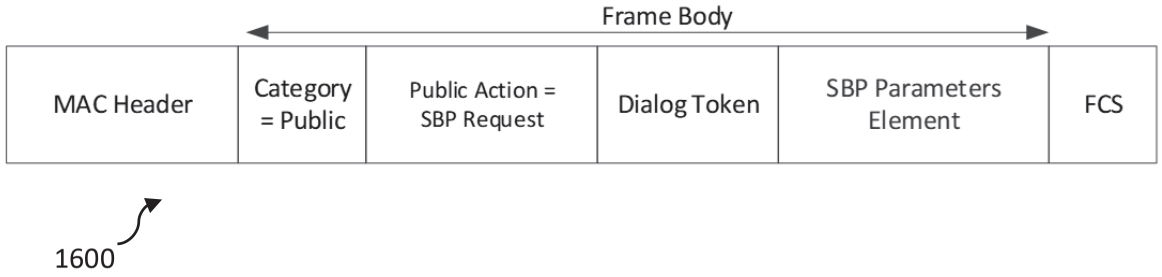


Figure 16A

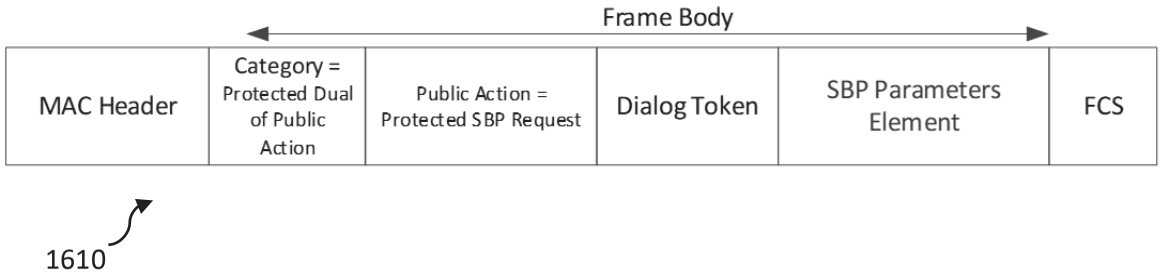


Figure 16B

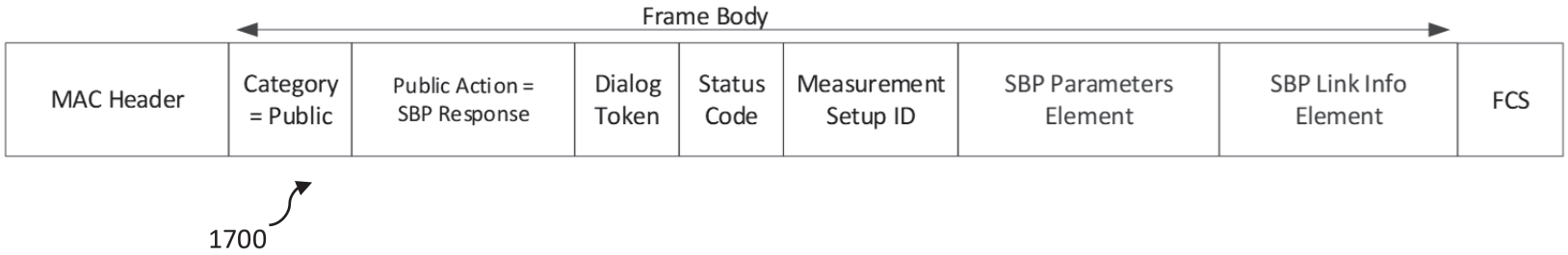


Figure 17A

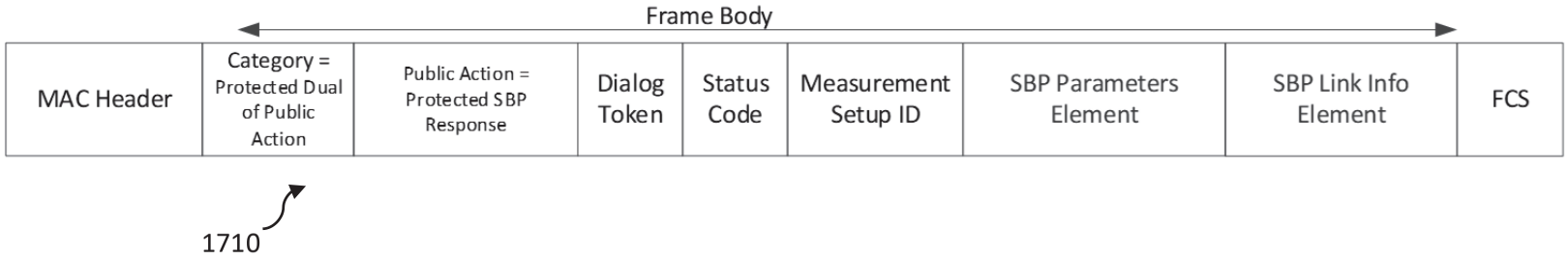


Figure 17B

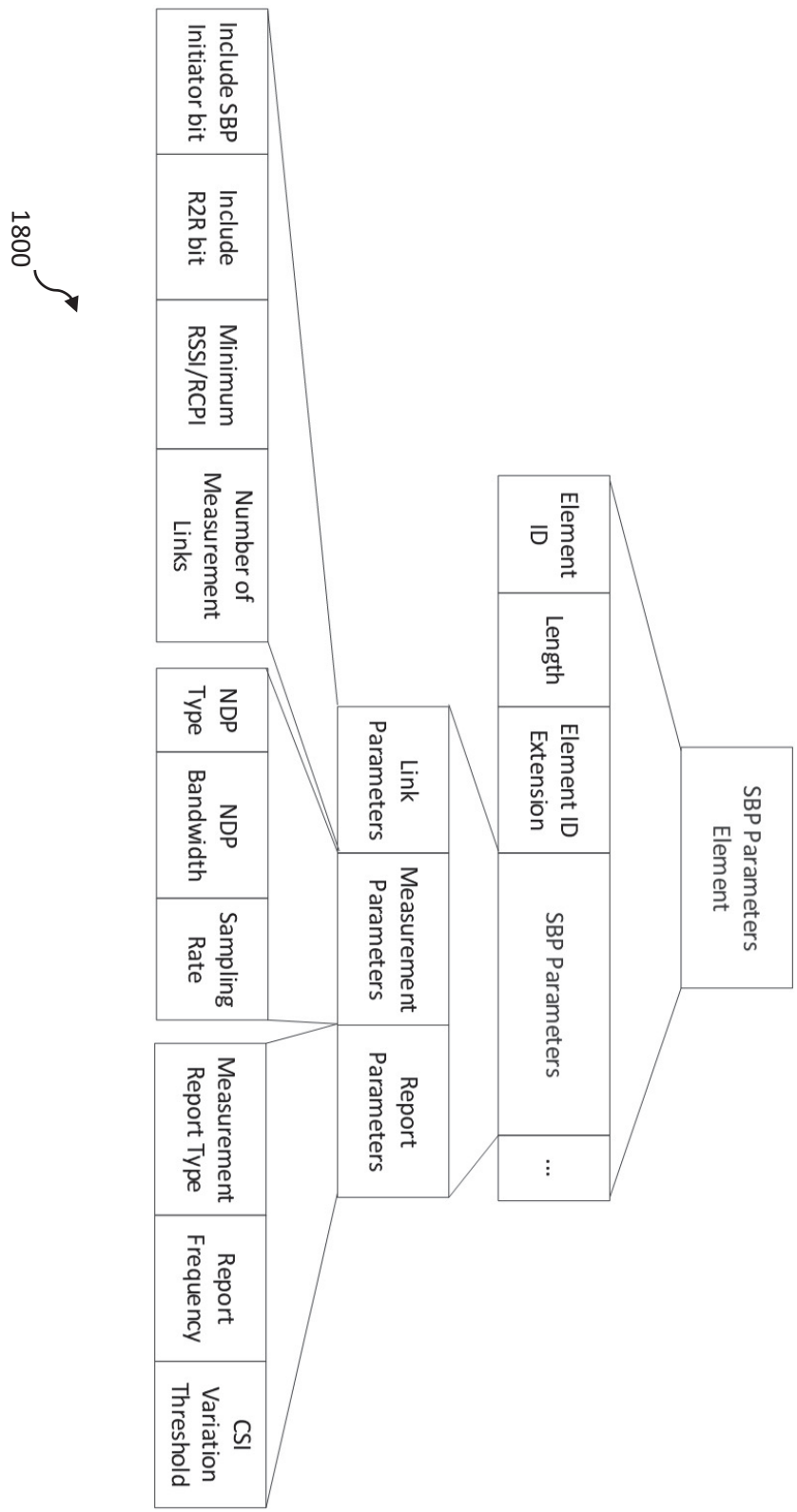

1800
SBP Parameters Element
Element ID
Length
Element ID Extension
SBP Parameters
...
Link Parameters
Measurement Parameters
Report Parameters
Include SBP Initiator bit
Include R2R bit
Minimum RSSI/RCPI
Number of Measurement Links
NDP Type
NDP Bandwidth
Sampling Rate
Measurement Report Type
Report Frequency
CSI Variation Threshold

Figure 18

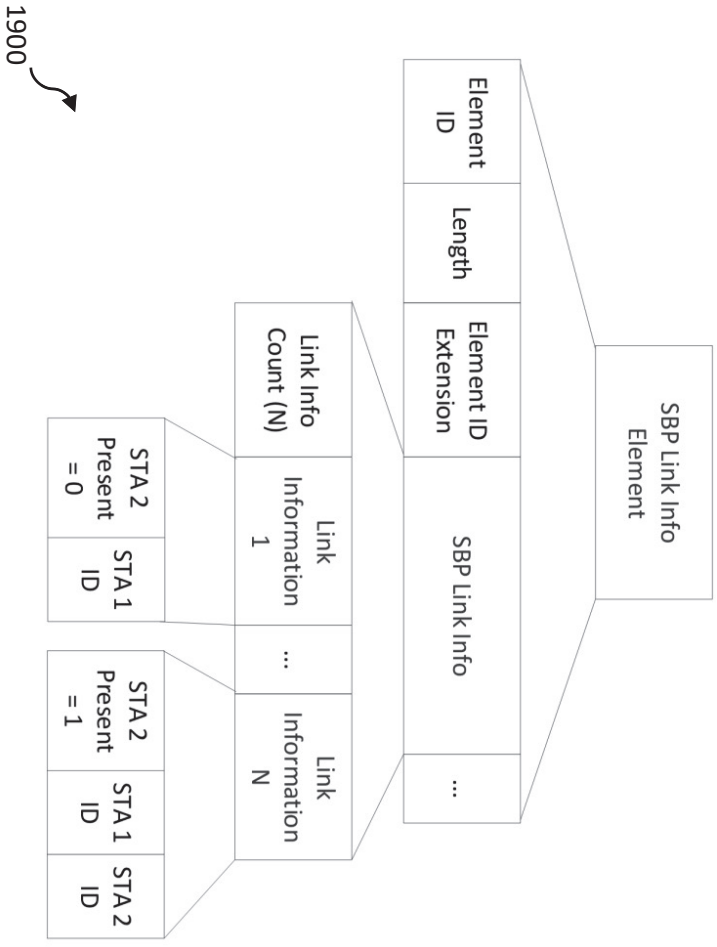

1900
SBP Link Info Element
Element ID
Length
Element ID Extension
SBP Link Info
...
Link Info Count (N)
Link Information 1
...
Link Information N
STA 2 Present = 0
STA 1 ID
STA 2 Present = 1
STA 1 ID
STA 2 ID

Figure 19

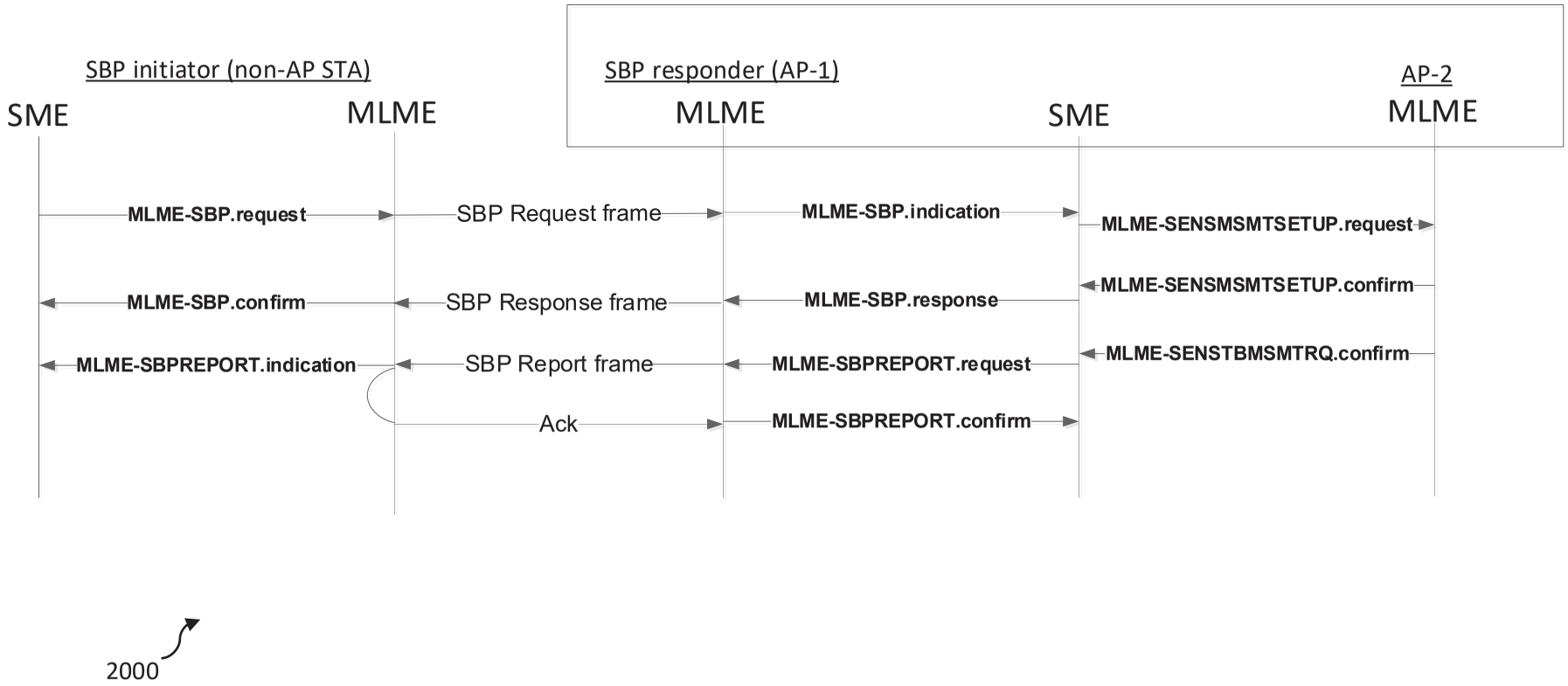

SBP initiator (non-AP STA)
SBP responder (AP-1)
AP-2
SME
MLME
MLME
SME
MLME
MLME-SBP.request
SBP Request frame
MLME-SBP.indication
MLME-SENSMSMTSETUP.request
MLME-SENSMSMTSETUP.confirm
MLME-SBP.confirm
SBP Response frame
MLME-SBP.response
MLME-SENSTBMSMTRQ.confirm
MLME-SBPREPORT.indication
SBP Report frame
MLME-SBPREPORT.request
Ack
MLME-SBPREPORT.confirm
2000

Figure 20

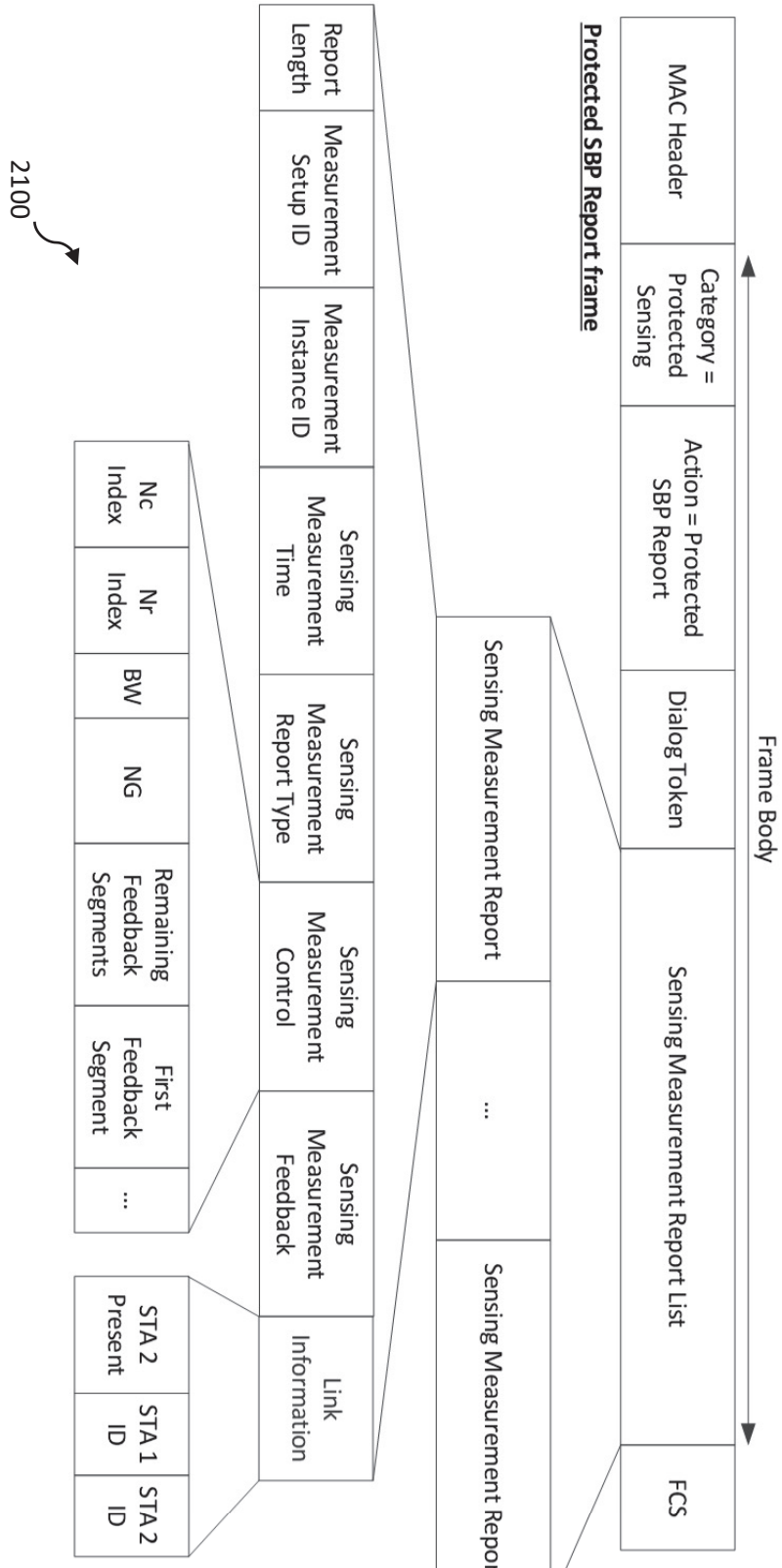
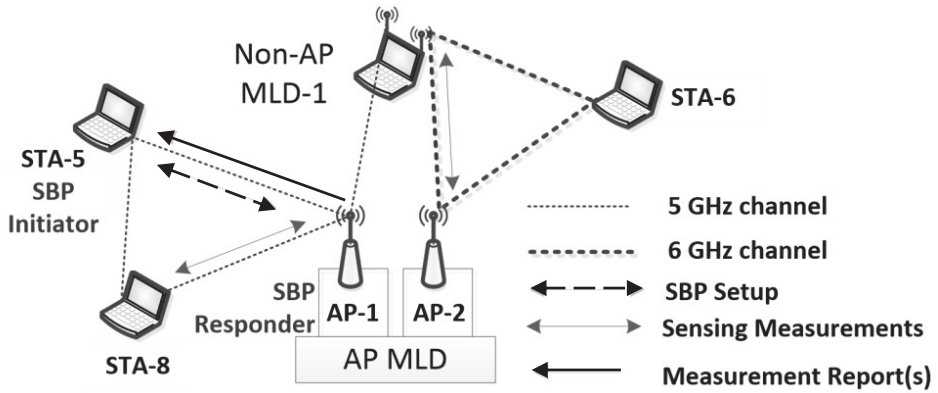
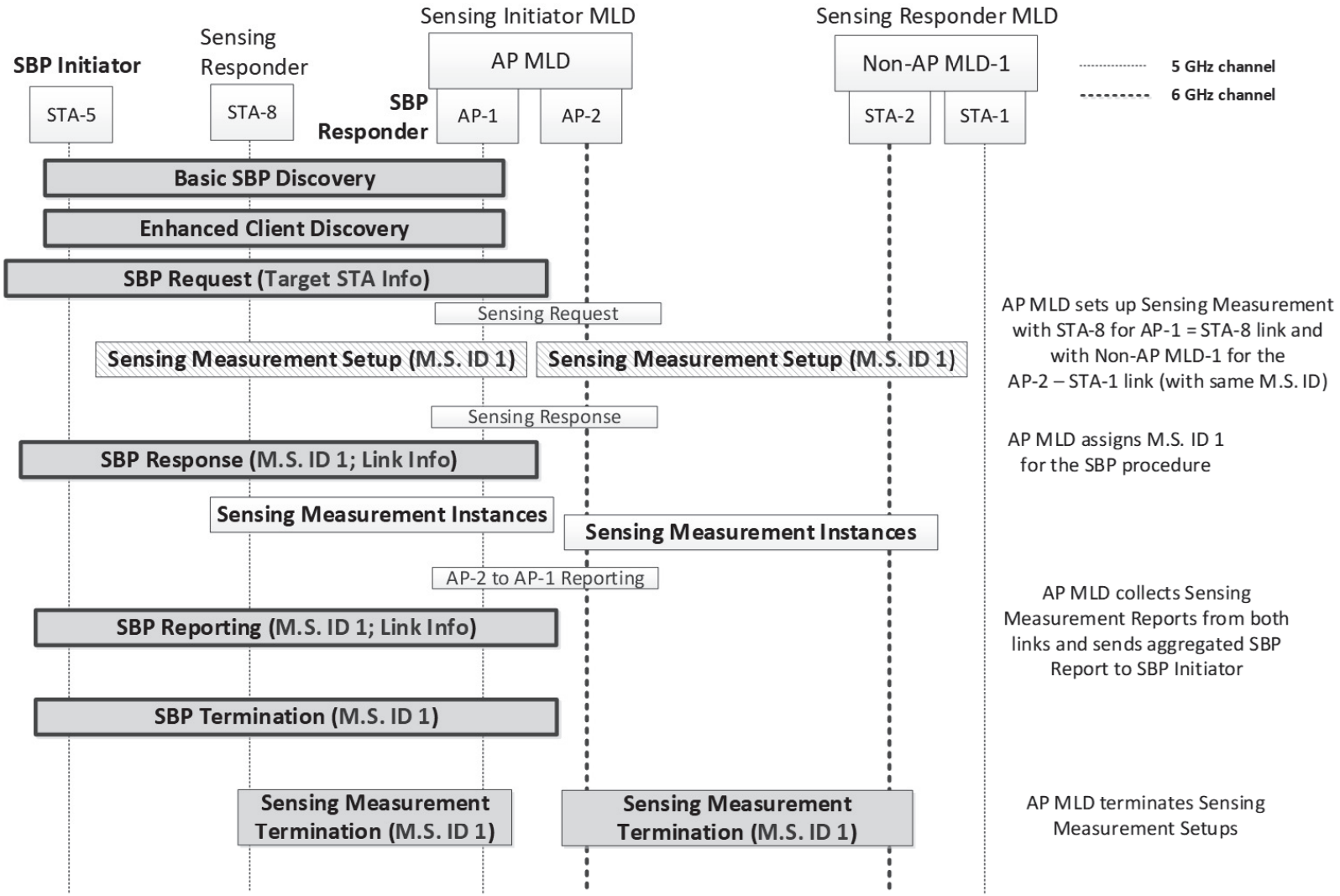

2100
Protected SBP Report frame
MAC Header
Category = Protected Sensing
Action = Protected SBP Report
Dialog Token
Frame Body
Sensing Measurement Report List
FCS
Sensing Measurement Report
...
Sensing Measurement Report
Report Length
Measurement Setup ID
Measurement Instance ID
Sensing Measurement Time
Sensing Measurement Report Type
Sensing Measurement Control
Sensing Measurement Feedback
Link Information
Nc Index
Nr Index
BW
NG
Remaining Feedback Segments
First Feedback Segment
...
STA 2 Present
STA 1 ID
STA 2 ID

Figure 21



2200

Figure 22



2300

Figure 23

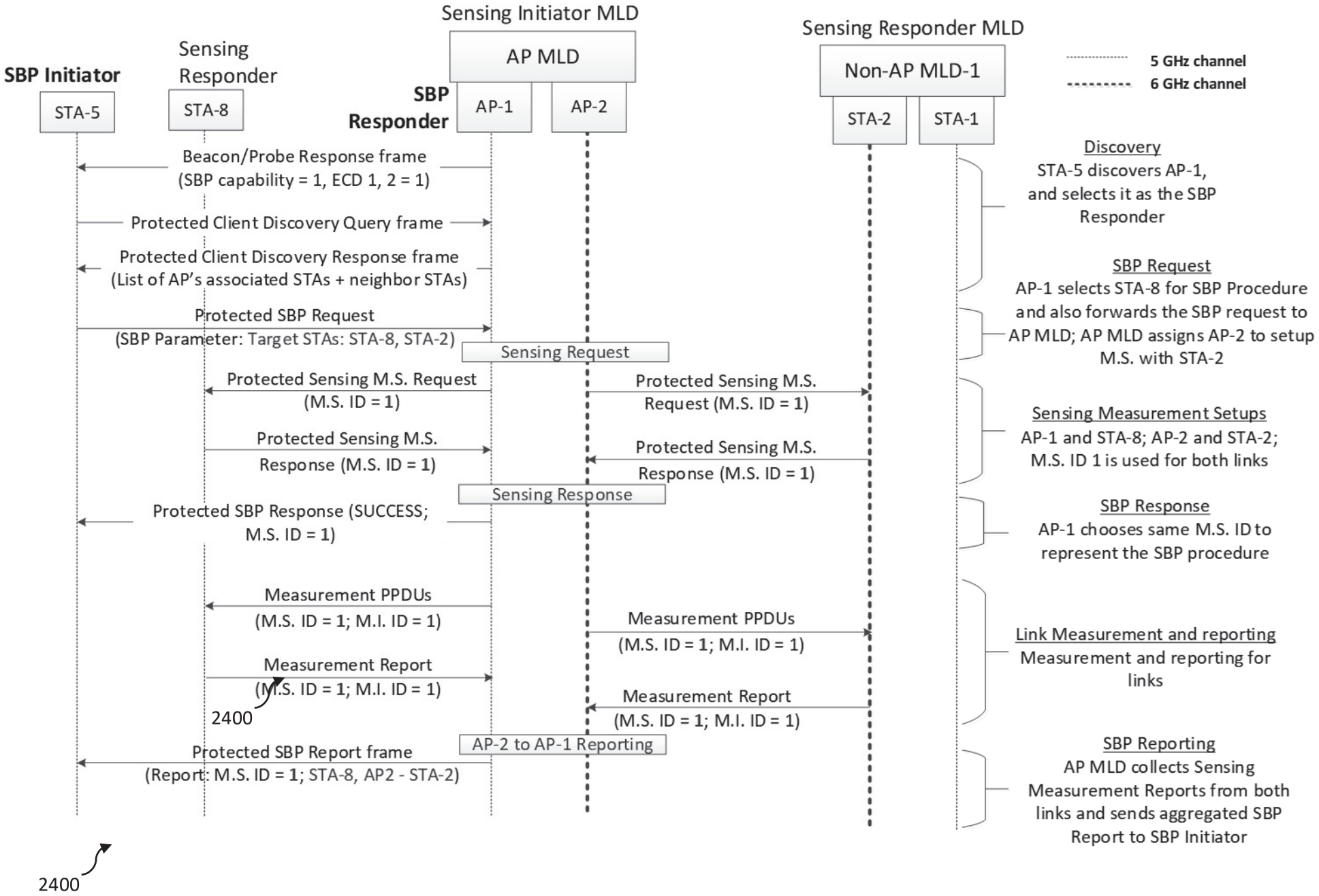

Sensing Initiator MLD
Sensing Responder MLD
SBP Initiator
Sensing Responder
SBP Responder
AP MLD
Non-AP MLD-1
STA-5
STA-8
AP-1
AP-2
STA-2
STA-1
5 GHz channel
6 GHz channel
Beacon/Probe Response frame (SBP capability = 1, ECD 1, 2 = 1)
Protected Client Discovery Query frame
Protected Client Discovery Response frame (List of AP's associated STAs + neighbor STAs)
Protected SBP Request (SBP Parameter: Target STAs: STA-8, STA-2)
Sensing Request
Protected Sensing M.S. Request (M.S. ID = 1)
Protected Sensing M.S. Request (M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 1)
Sensing Response
Protected SBP Response (SUCCESS; M.S. ID = 1)
Measurement PPDUs (M.S. ID = 1; M.I. ID = 1)
Measurement PPDUs (M.S. ID = 1; M.I. ID = 1)
Measurement Report (M.S. ID = 1; M.I. ID = 1)
Measurement Report (M.S. ID = 1; M.I. ID = 1)
2400
AP-2 to AP-1 Reporting
Protected SBP Report frame (Report: M.S. ID = 1; STA-8, AP2 - STA-2)
Discovery
STA-5 discovers AP-1, and selects it as the SBP Responder
SBP Request
AP-1 selects STA-8 for SBP Procedure and also forwards the SBP request to AP MLD; AP MLD assigns AP-2 to setup M.S. with STA-2
Sensing Measurement Setups
AP-1 and STA-8; AP-2 and STA-2; M.S. ID 1 is used for both links
SBP Response
AP-1 chooses same M.S. ID to represent the SBP procedure
Link Measurement and reporting
Measurement and reporting for links
SBP Reporting
AP MLD collects Sensing Measurement Reports from both links and sends aggregated SBP Report to SBP Initiator
2400

Figure 24

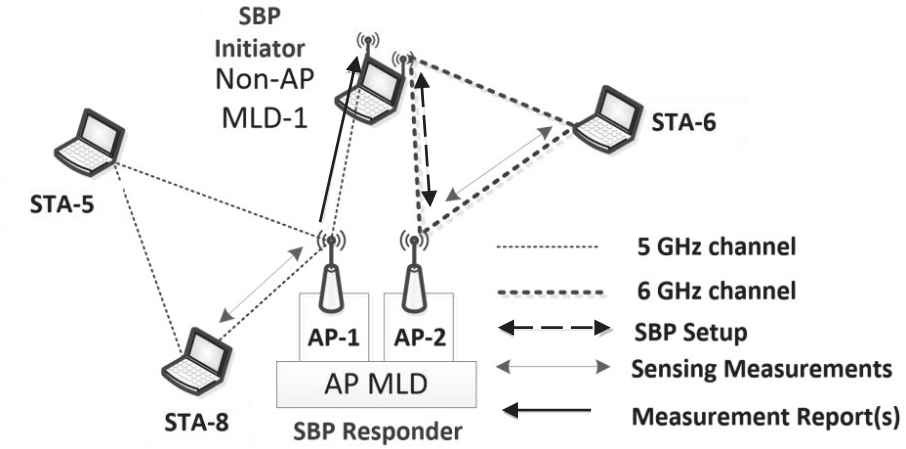

SBP
Initiator
Non-AP
MLD-1
STA-6
STA-5
5 GHz channel
6 GHz channel
SBP Setup
Sensing Measurements
Measurement Report(s)
AP-1
AP-2
AP MLD
STA-8
SBP Responder
2500

Figure 25

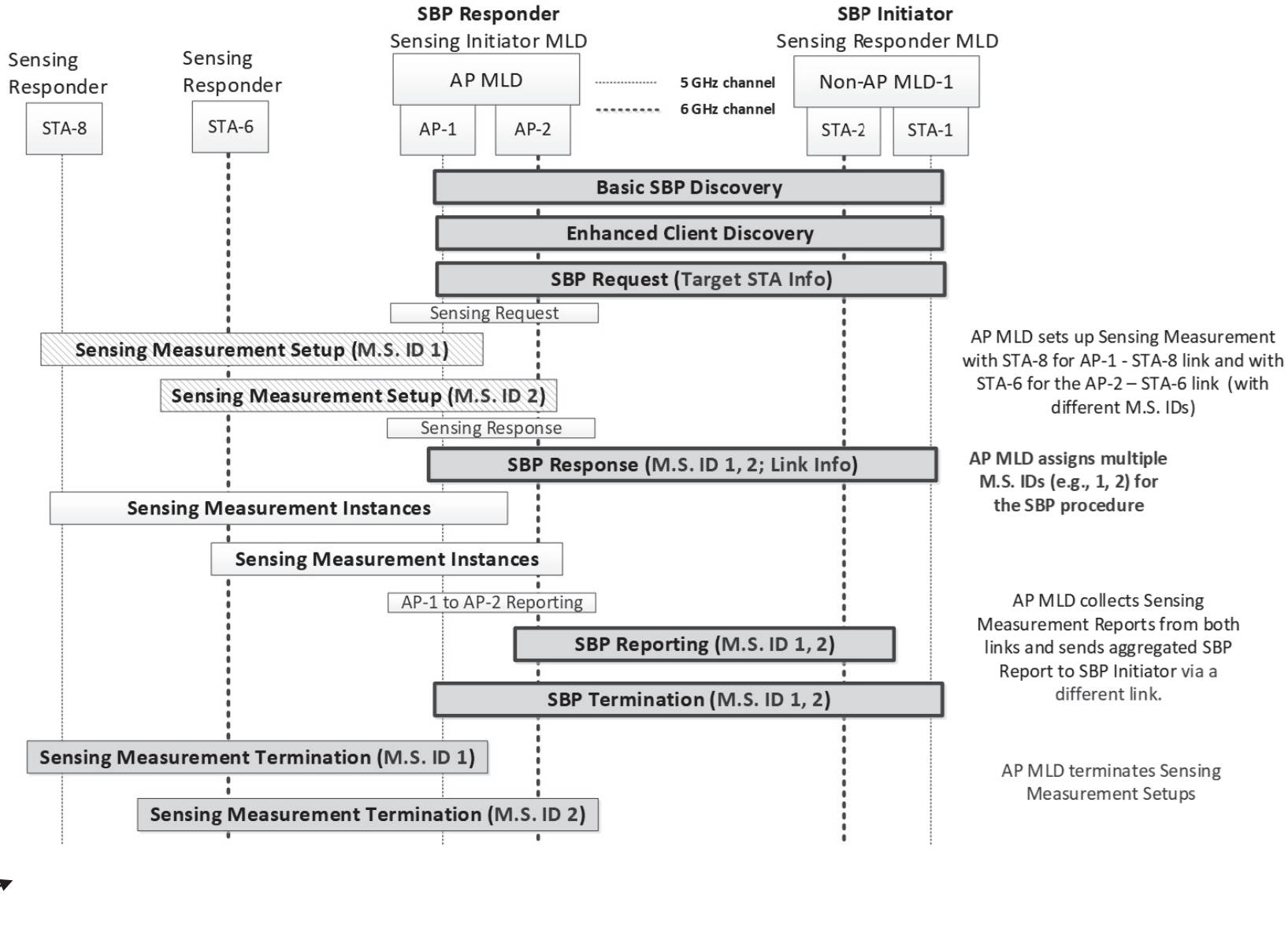

SBP Responder
Sensing Initiator MLD
SBP Initiator
Sensing Responder MLD
Sensing Responder
Sensing Responder
AP MLD
5 GHz channel
6 GHz channel
Non-AP MLD-1
STA-8
STA-6
AP-1
AP-2
STA-2
STA-1
Basic SBP Discovery
Enhanced Client Discovery
SBP Request (Target STA Info)
Sensing Request
Sensing Measurement Setup (M.S. ID 1)
Sensing Measurement Setup (M.S. ID 2)
Sensing Response
SBP Response (M.S. ID 1, 2; Link Info)
Sensing Measurement Instances
Sensing Measurement Instances
AP-1 to AP-2 Reporting
SBP Reporting (M.S. ID 1, 2)
SBP Termination (M.S. ID 1, 2)
Sensing Measurement Termination (M.S. ID 1)
Sensing Measurement Termination (M.S. ID 2)
AP MLD sets up Sensing Measurement with STA-8 for AP-1 - STA-8 link and with STA-6 for the AP-2 – STA-6 link (with different M.S. IDs)
AP MLD assigns multiple M.S. IDs (e.g., 1, 2) for the SBP procedure
AP MLD collects Sensing Measurement Reports from both links and sends aggregated SBP Report to SBP Initiator via a different link.
AP MLD terminates Sensing Measurement Setups
2600

Figure 26

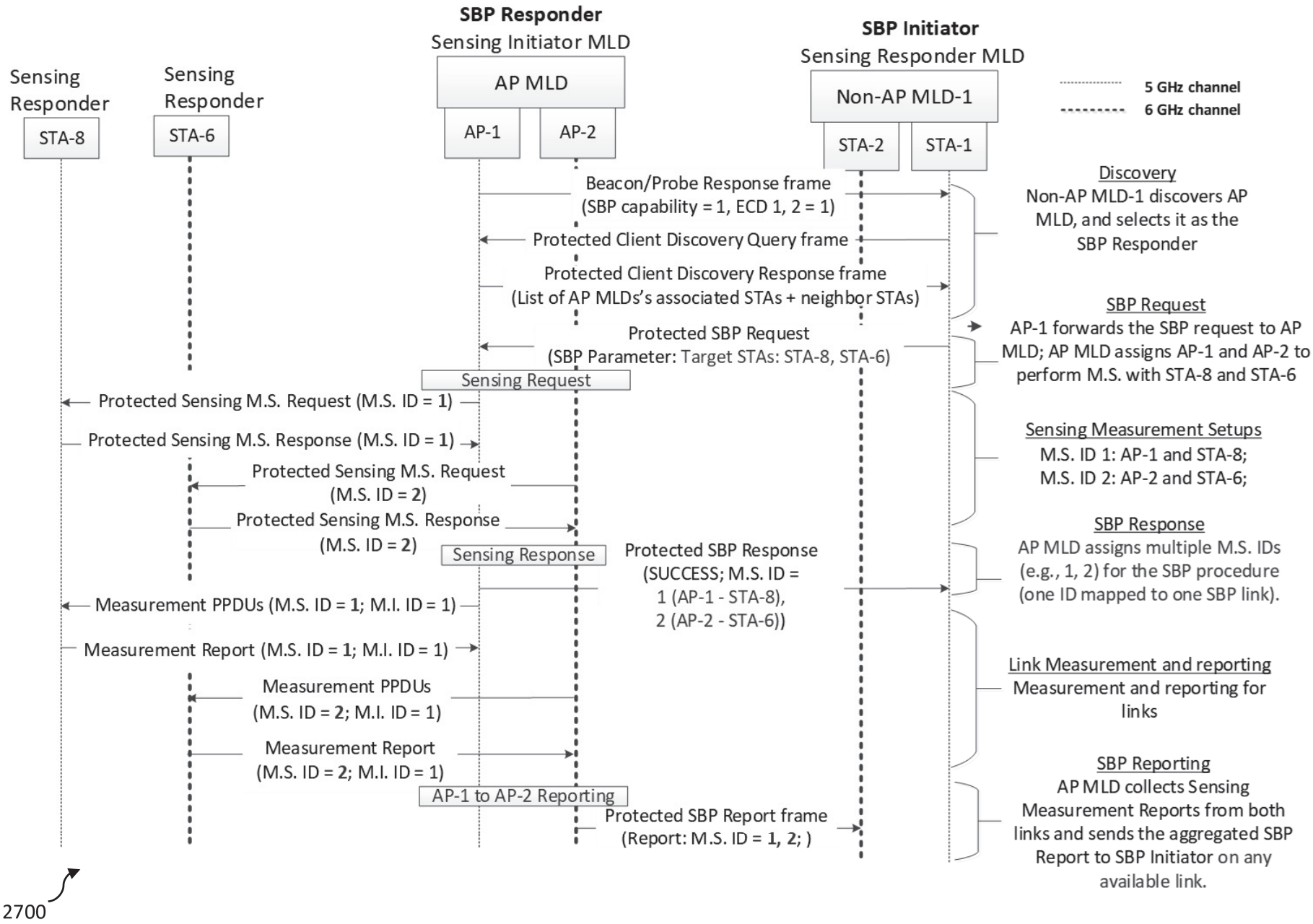

SBP Responder
Sensing Initiator MLD
SBP Initiator
Sensing Responder MLD
Sensing Responder
STA-8
Sensing Responder
STA-6
AP MLD
AP-1
AP-2
Non-AP MLD-1
STA-2
STA-1
5 GHz channel
6 GHz channel
Beacon/Probe Response frame
(SBP capability = 1, ECD 1, 2 = 1)
Protected Client Discovery Query frame
Protected Client Discovery Response frame
(List of AP MLDs's associated STAs + neighbor STAs)
Protected SBP Request
(SBP Parameter: Target STAs: STA-8, STA-6)
Sensing Request
Protected Sensing M.S. Request (M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 1)
Protected Sensing M.S. Request
(M.S. ID = 2)
Protected Sensing M.S. Response
(M.S. ID = 2)
Sensing Response
Protected SBP Response
(SUCCESS; M.S. ID =
1 (AP-1 - STA-8),
2 (AP-2 - STA-6))
Measurement PPDUs (M.S. ID = 1; M.I. ID = 1)
Measurement Report (M.S. ID = 1; M.I. ID = 1)
Measurement PPDUs
(M.S. ID = 2; M.I. ID = 1)
Measurement Report
(M.S. ID = 2; M.I. ID = 1)
AP-1 to AP-2 Reporting
Protected SBP Report frame
(Report: M.S. ID = 1, 2;)
Discovery
Non-AP MLD-1 discovers AP MLD, and selects it as the SBP Responder
SBP Request
AP-1 forwards the SBP request to AP MLD; AP MLD assigns AP-1 and AP-2 to perform M.S. with STA-8 and STA-6
Sensing Measurement Setups
M.S. ID 1: AP-1 and STA-8;
M.S. ID 2: AP-2 and STA-6;
SBP Response
AP MLD assigns multiple M.S. IDs (e.g., 1, 2) for the SBP procedure (one ID mapped to one SBP link).
Link Measurement and reporting
Measurement and reporting for links
SBP Reporting
AP MLD collects Sensing Measurement Reports from both links and sends the aggregated SBP Report to SBP Initiator on any available link.
2700

Figure 27

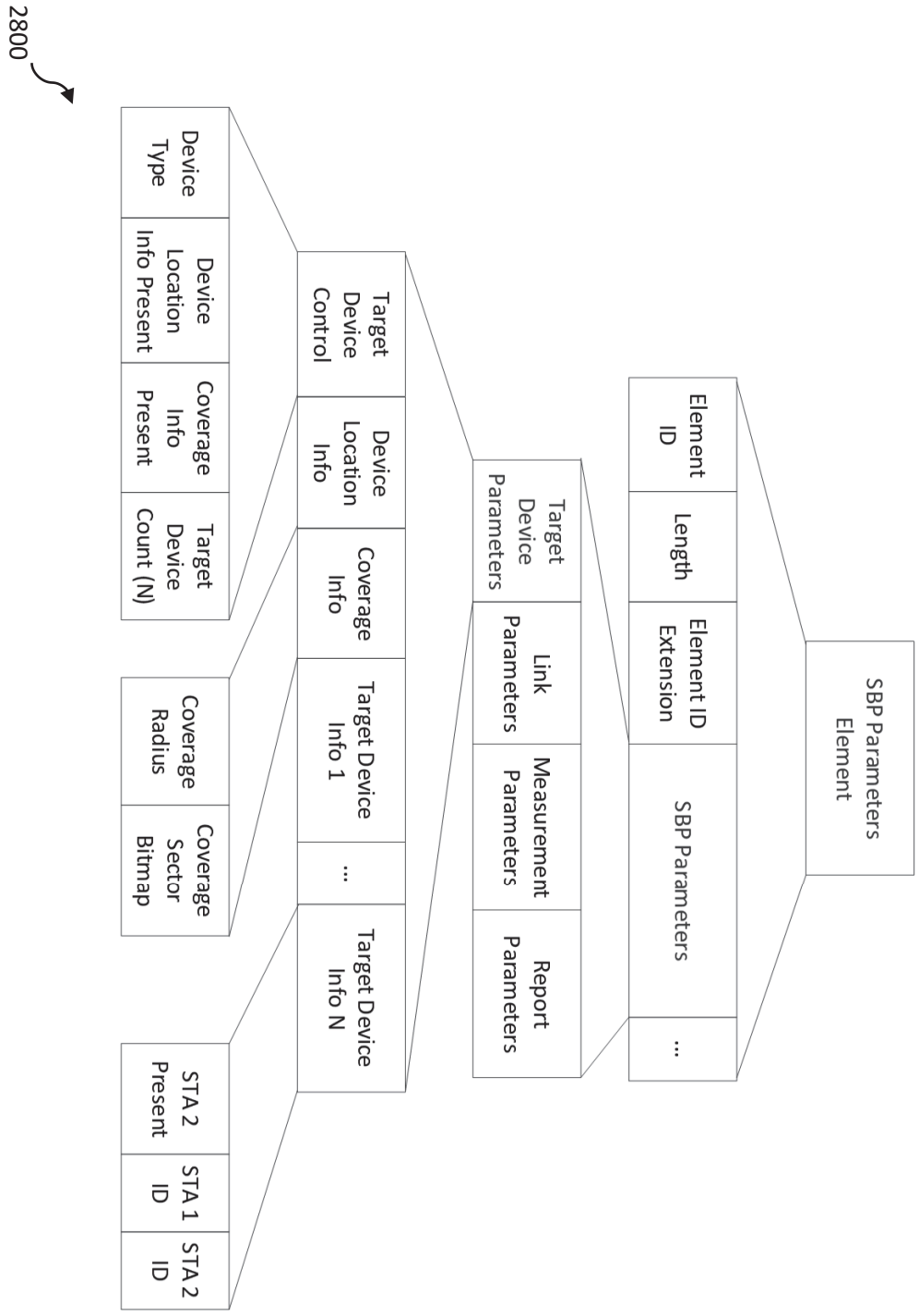

2800
SBP Parameters Element
Element ID
Length
Element ID Extension
SBP Parameters
...
Target Device Parameters
Link Parameters
Measurement Parameters
Report Parameters
Target Device Control
Device Location Info
Coverage Info
Target Device Info 1
...
Target Device Info N
Device Type
Device Location Info Present
Coverage Info Present
Target Device Count (N)
Coverage Radius
Coverage Sector Bitmap
STA 2 Present
STA 1 ID
STA 2 ID

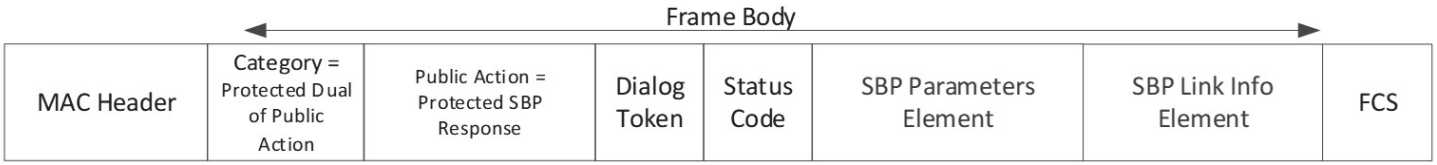
Figure 28



SBP Response frame

2900

Figure 29A



Protected SBP Response frame

2910

Figure 29B

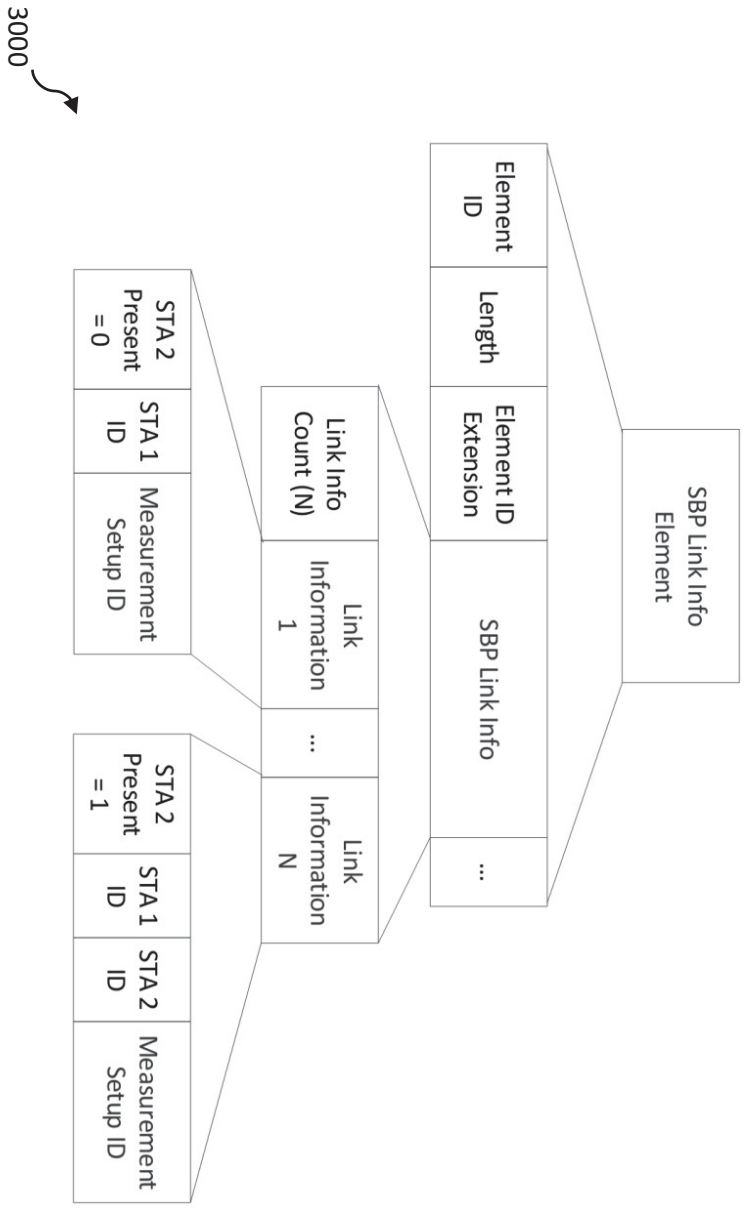
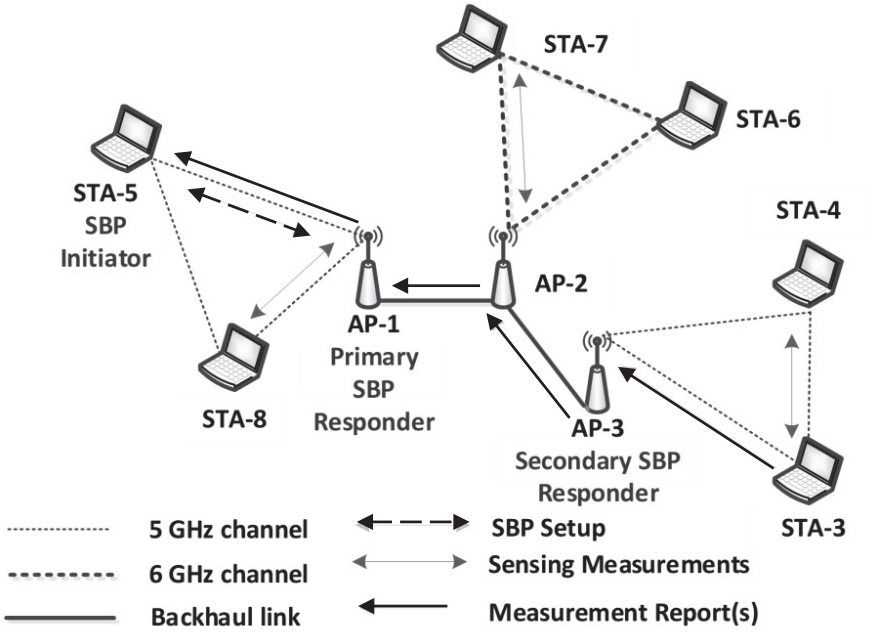

3000
SBP Link Info Element
Element ID
Length
Element ID Extension
SBP Link Info
...
Link Info Count (N)
Link Information 1
...
Link Information N
STA 2 Present = 0
STA 1 ID
Measurement Setup ID
STA 2 Present = 1
STA 1 ID
STA 2 ID
Measurement Setup ID

Figure 30



3100

Figure 31

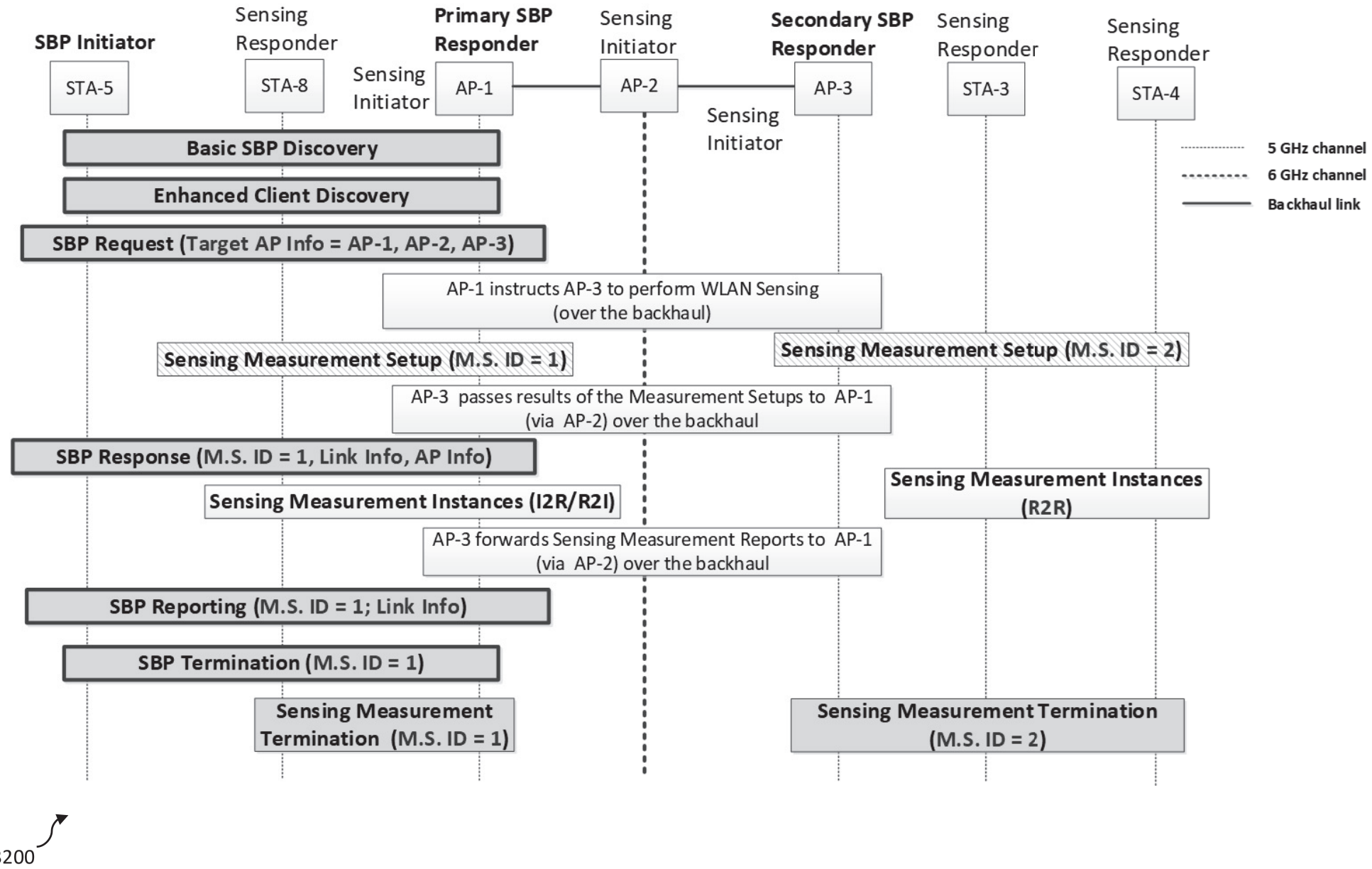

SBP Initiator
STA-5
Sensing Responder
STA-8
Sensing Initiator
Primary SBP Responder
AP-1
Sensing Initiator
AP-2
Secondary SBP Responder
AP-3
Sensing Responder
STA-3
Sensing Responder
STA-4
5 GHz channel
6 GHz channel
Backhaul link
Basic SBP Discovery
Enhanced Client Discovery
SBP Request (Target AP Info = AP-1, AP-2, AP-3)
AP-1 instructs AP-3 to perform WLAN Sensing (over the backhaul)
Sensing Measurement Setup (M.S. ID = 1)
Sensing Measurement Setup (M.S. ID = 2)
AP-3 passes results of the Measurement Setups to AP-1 (via AP-2) over the backhaul
SBP Response (M.S. ID = 1, Link Info, AP Info)
Sensing Measurement Instances (I2R/R2I)
Sensing Measurement Instances (R2R)
AP-3 forwards Sensing Measurement Reports to AP-1 (via AP-2) over the backhaul
SBP Reporting (M.S. ID = 1; Link Info)
SBP Termination (M.S. ID = 1)
Sensing Measurement Termination (M.S. ID = 1)
Sensing Measurement Termination (M.S. ID = 2)
3200

Figure 32

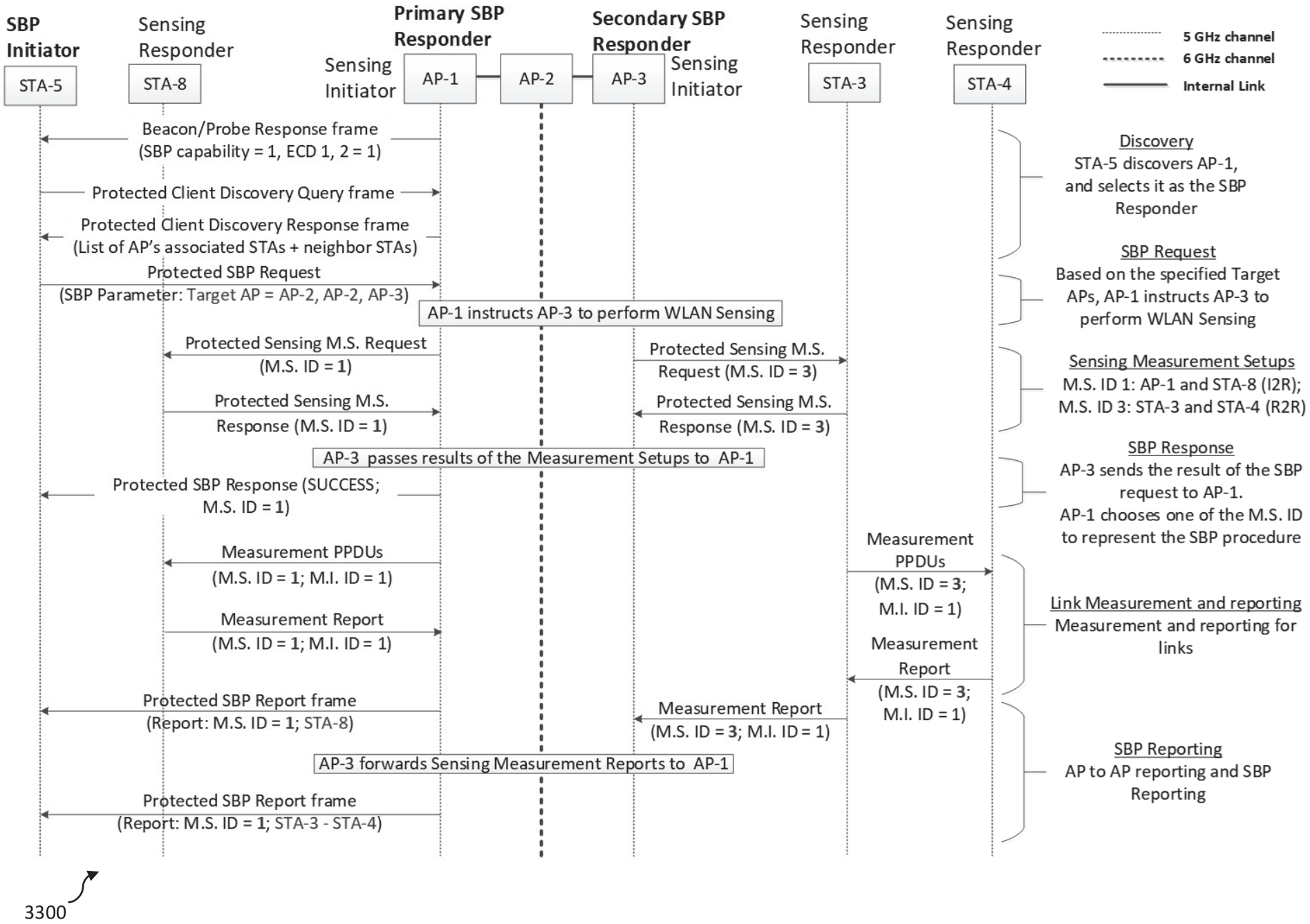

SBP Initiator
Sensing Responder
Primary SBP Responder
Secondary SBP Responder
Sensing Responder
Sensing Responder
STA-5
STA-8
Sensing Initiator
AP-1
AP-2
AP-3
Sensing Initiator
STA-3
STA-4
5 GHz channel
6 GHz channel
Internal Link
Beacon/Probe Response frame
(SBP capability = 1, ECD 1, 2 = 1)
Protected Client Discovery Query frame
Protected Client Discovery Response frame
(List of AP's associated STAs + neighbor STAs)
Protected SBP Request
(SBP Parameter: Target AP = AP-2, AP-2, AP-3)
AP-1 instructs AP-3 to perform WLAN Sensing
Protected Sensing M.S. Request
(M.S. ID = 1)
Protected Sensing M.S. Request (M.S. ID = 3)
Protected Sensing M.S. Response (M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 3)
AP-3 passes results of the Measurement Setups to AP-1
Protected SBP Response (SUCCESS; M.S. ID = 1)
Measurement PPDUs
(M.S. ID = 1; M.I. ID = 1)
Measurement PPDUs
(M.S. ID = 3; M.I. ID = 1)
Measurement Report
(M.S. ID = 1; M.I. ID = 1)
Measurement Report
(M.S. ID = 3; M.I. ID = 1)
Protected SBP Report frame
(Report: M.S. ID = 1; STA-8)
Measurement Report
(M.S. ID = 3; M.I. ID = 1)
AP-3 forwards Sensing Measurement Reports to AP-1
Protected SBP Report frame
(Report: M.S. ID = 1; STA-3 - STA-4)
Discovery
STA-5 discovers AP-1, and selects it as the SBP Responder
SBP Request
Based on the specified Target APs, AP-1 instructs AP-3 to perform WLAN Sensing
Sensing Measurement Setups
M.S. ID 1: AP-1 and STA-8 (I2R);
M.S. ID 3: STA-3 and STA-4 (R2R)
SBP Response
AP-3 sends the result of the SBP request to AP-1.
AP-1 chooses one of the M.S. ID to represent the SBP procedure
Link Measurement and reporting
Measurement and reporting for links
SBP Reporting
AP to AP reporting and SBP Reporting
3300

Figure 33

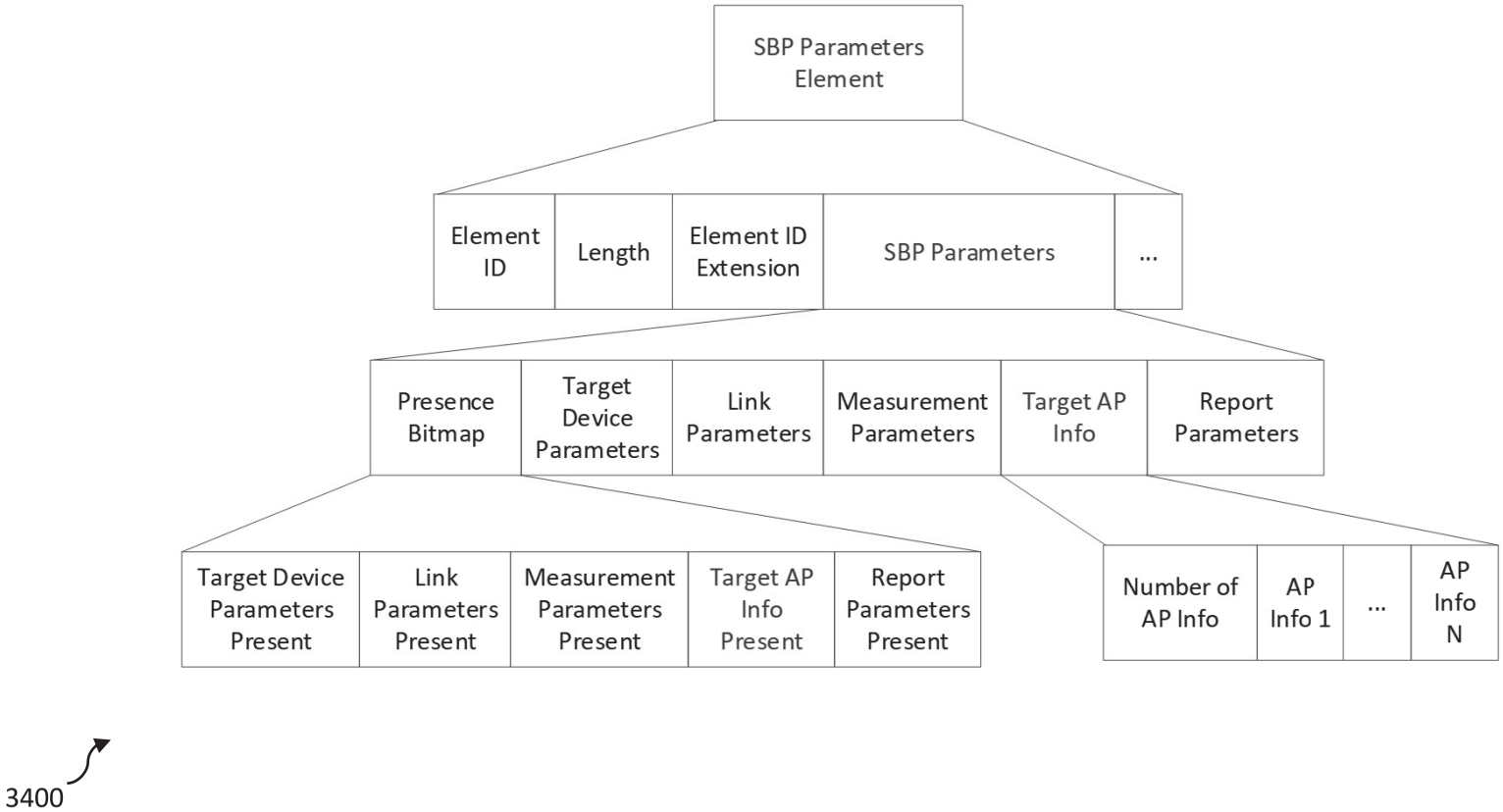

SBP Parameters Element
Element ID
Length
Element ID Extension
SBP Parameters
...
Presence Bitmap
Target Device Parameters
Link Parameters
Measurement Parameters
Target AP Info
Report Parameters
Target Device Parameters Present
Link Parameters Present
Measurement Parameters Present
Target AP Info Present
Report Parameters Present
Number of AP Info
AP Info 1
...
AP Info N
3400

Figure 34

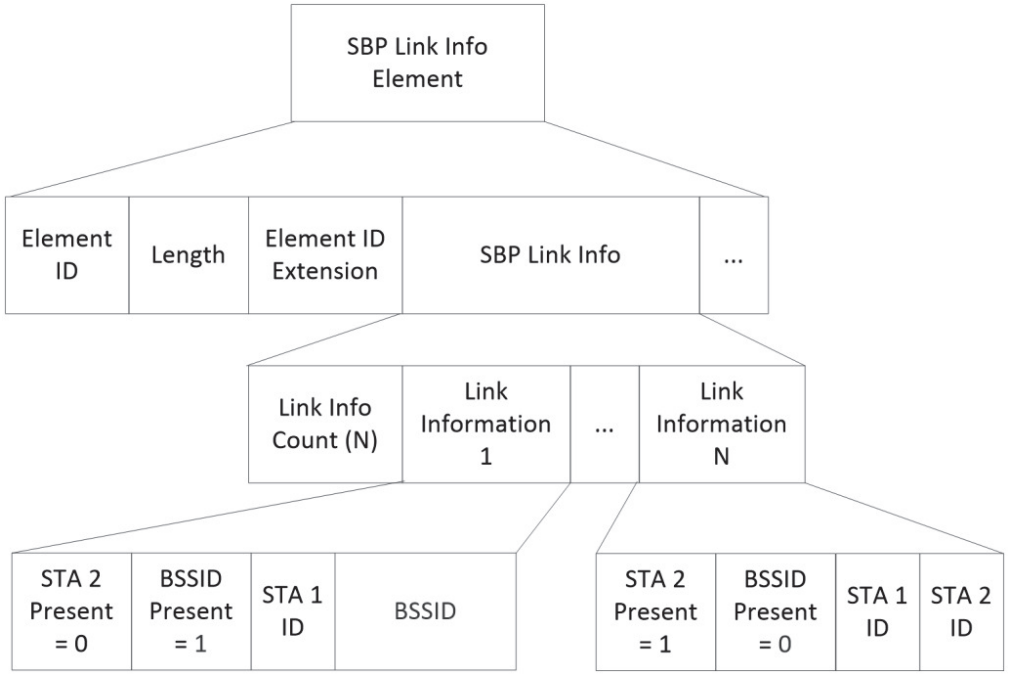

SBP Link Info Element
Element ID
Length
Element ID Extension
SBP Link Info
...
Link Info Count (N)
Link Information 1
...
Link Information N
STA 2 Present = 0
BSSID Present = 1
STA 1 ID
BSSID
STA 2 Present = 1
BSSID Present = 0
STA 1 ID
STA 2 ID
3500

Figure 35

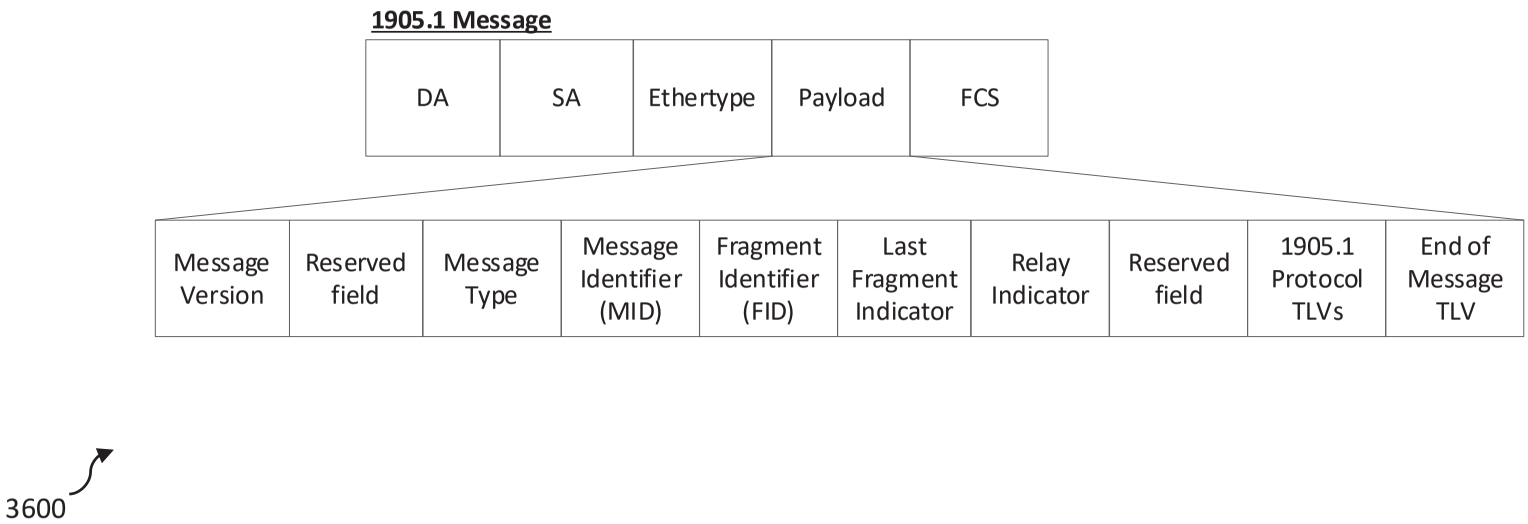
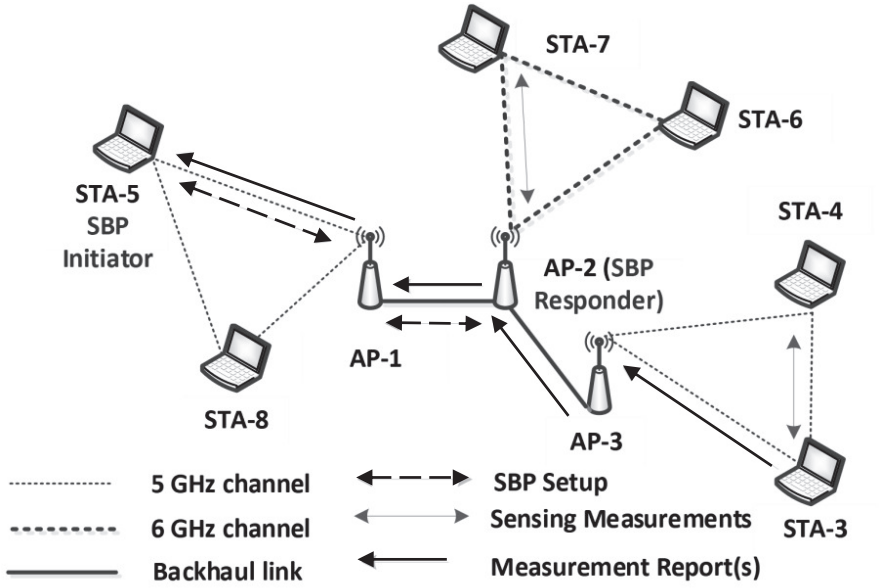

1905.1 Message
DA
SA
Ethertype
Payload
FCS
Message Version
Reserved field
Message Type
Message Identifier (MID)
Fragment Identifier (FID)
Last Fragment Indicator
Relay Indicator
Reserved field
1905.1 Protocol TLVs
End of Message TLV
3600

Figure 36



3700

Figure 37

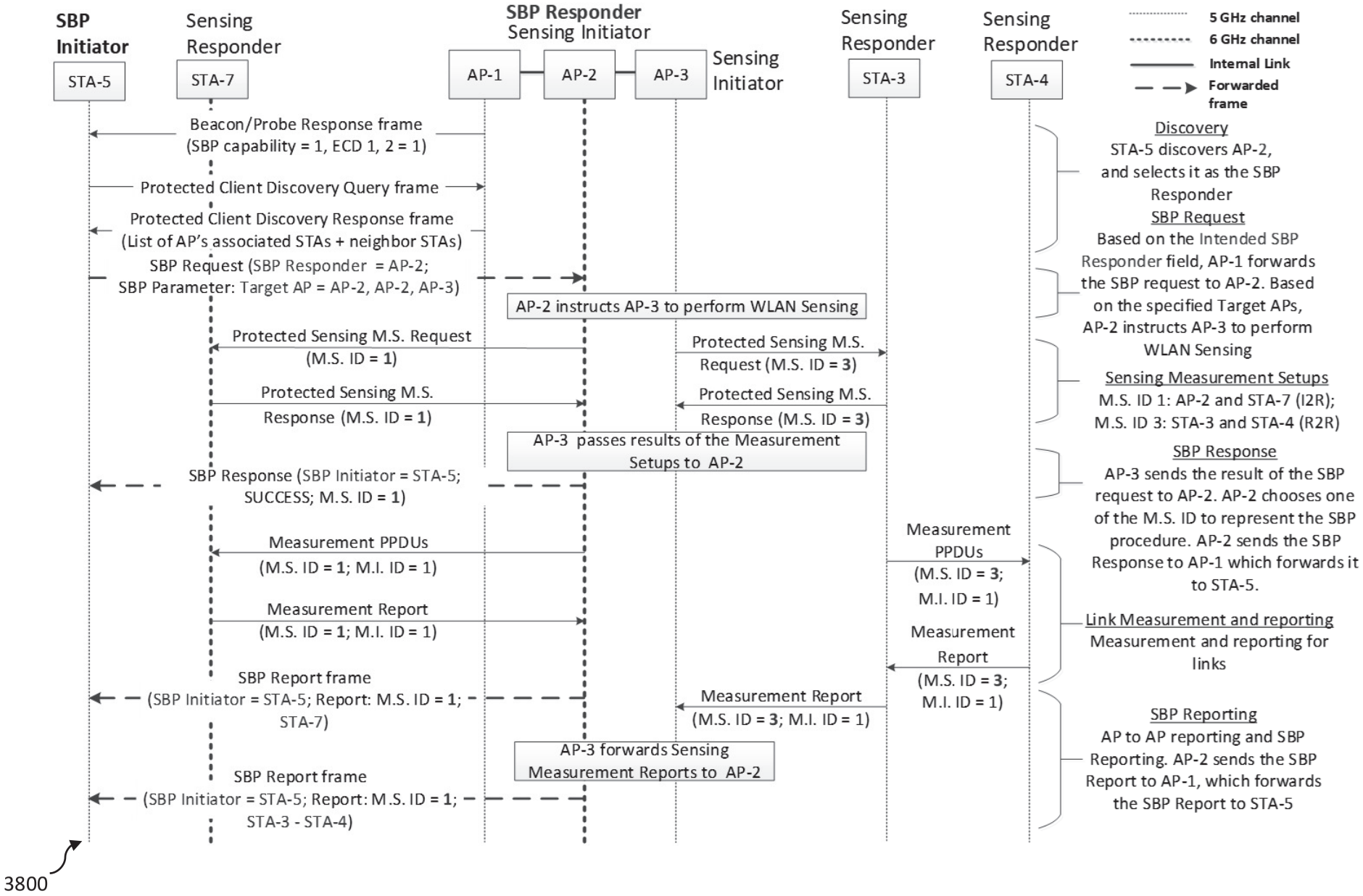

SBP Initiator
STA-5
Sensing Responder
STA-7
SBP Responder
Sensing Initiator
AP-1
AP-2
AP-3
Sensing Initiator
Sensing Responder
STA-3
Sensing Responder
STA-4
5 GHz channel
6 GHz channel
Internal Link
Forwarded frame
Beacon/Probe Response frame (SBP capability = 1, ECD 1, 2 = 1)
Protected Client Discovery Query frame
Protected Client Discovery Response frame (List of AP's associated STAs + neighbor STAs)
SBP Request (SBP Responder = AP-2; SBP Parameter: Target AP = AP-2, AP-2, AP-3)
AP-2 instructs AP-3 to perform WLAN Sensing
Protected Sensing M.S. Request (M.S. ID = 1)
Protected Sensing M.S. Request (M.S. ID = 3)
Protected Sensing M.S. Response (M.S. ID = 1)
Protected Sensing M.S. Response (M.S. ID = 3)
AP-3 passes results of the Measurement Setups to AP-2
SBP Response (SBP Initiator = STA-5; SUCCESS; M.S. ID = 1)
Measurement PPDUs (M.S. ID = 1; M.I. ID = 1)
Measurement PPDUs (M.S. ID = 3; M.I. ID = 1)
Measurement Report (M.S. ID = 1; M.I. ID = 1)
Measurement Report (M.S. ID = 3; M.I. ID = 1)
SBP Report frame (SBP Initiator = STA-5; Report: M.S. ID = 1; STA-7)
Measurement Report (M.S. ID = 3; M.I. ID = 1)
AP-3 forwards Sensing Measurement Reports to AP-2
SBP Report frame (SBP Initiator = STA-5; Report: M.S. ID = 1; STA-3 - STA-4)
Discovery
STA-5 discovers AP-2, and selects it as the SBP Responder
SBP Request
Based on the Intended SBP Responder field, AP-1 forwards the SBP request to AP-2. Based on the specified Target APs, AP-2 instructs AP-3 to perform WLAN Sensing
Sensing Measurement Setups
M.S. ID 1: AP-2 and STA-7 (I2R);
M.S. ID 3: STA-3 and STA-4 (R2R)
SBP Response
AP-3 sends the result of the SBP request to AP-2. AP-2 chooses one of the M.S. ID to represent the SBP procedure. AP-2 sends the SBP Response to AP-1 which forwards it to STA-5.
Link Measurement and reporting
Measurement and reporting for links
SBP Reporting
AP to AP reporting and SBP Reporting. AP-2 sends the SBP Report to AP-1, which forwards the SBP Report to STA-5
3800

Figure 38

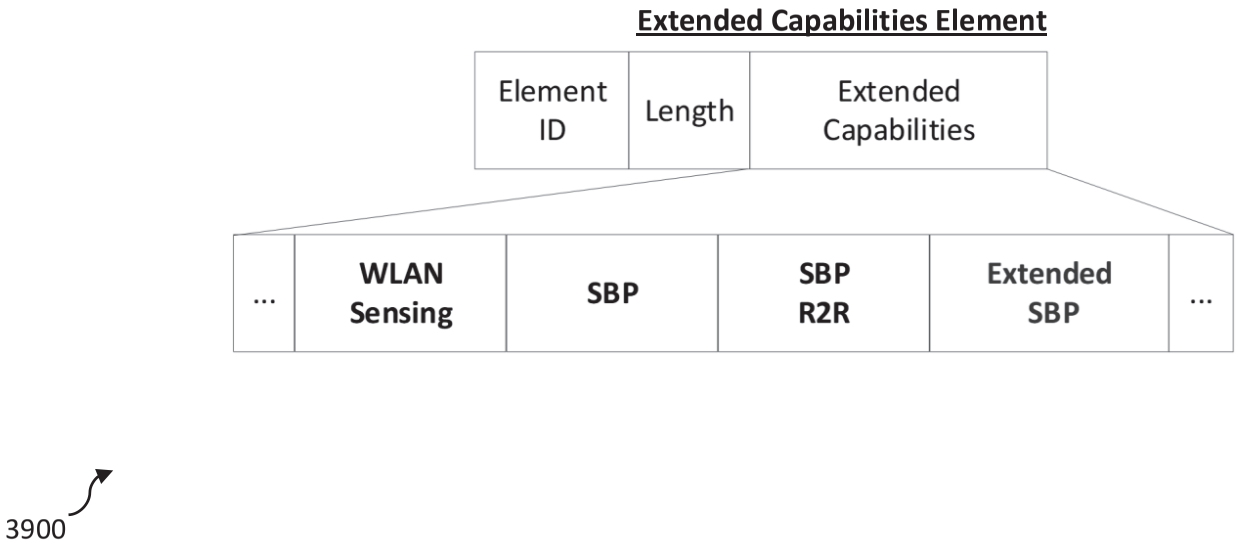

Extended Capabilities Element
Element ID
Length
Extended Capabilities
...
WLAN Sensing
SBP
SBP R2R
Extended SBP
...
3900

Figure 39

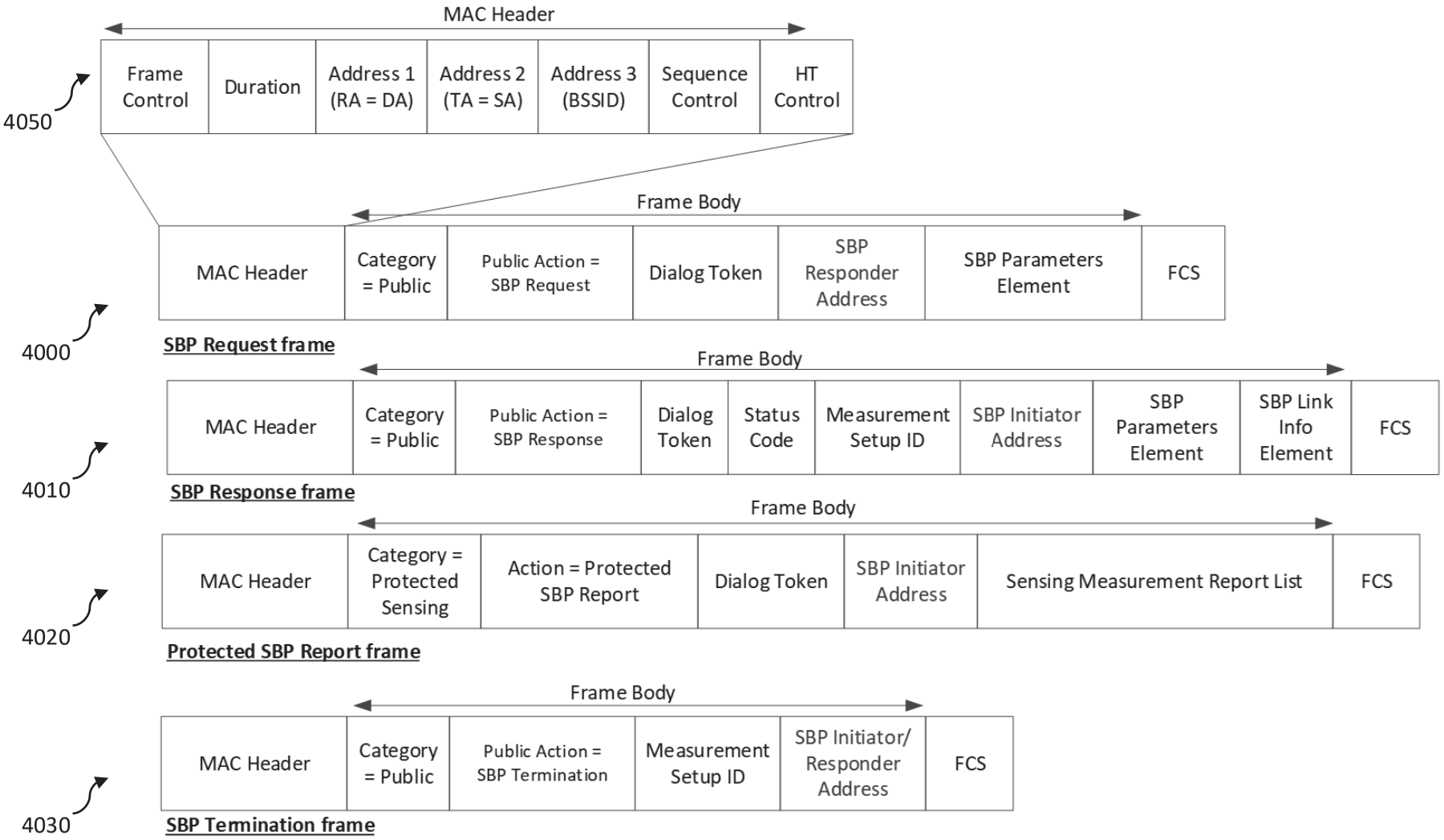

MAC Header
Frame Control
Duration
Address 1 (RA = DA)
Address 2 (TA = SA)
Address 3 (BSSID)
Sequence Control
HT Control
4050
Frame Body
MAC Header
Category = Public
Public Action = SBP Request
Dialog Token
SBP Responder Address
SBP Parameters Element
FCS
4000
SBP Request frame
Frame Body
MAC Header
Category = Public
Public Action = SBP Response
Dialog Token
Status Code
Measurement Setup ID
SBP Initiator Address
SBP Parameters Element
SBP Link Info Element
FCS
4010
SBP Response frame
Frame Body
MAC Header
Category = Protected Sensing
Action = Protected SBP Report
Dialog Token
SBP Initiator Address
Sensing Measurement Report List
FCS
4020
Protected SBP Report frame
Frame Body
MAC Header
Category = Public
Public Action = SBP Termination
Measurement Setup ID
SBP Initiator/ Responder Address
FCS
4030
SBP Termination frame

Figure 40

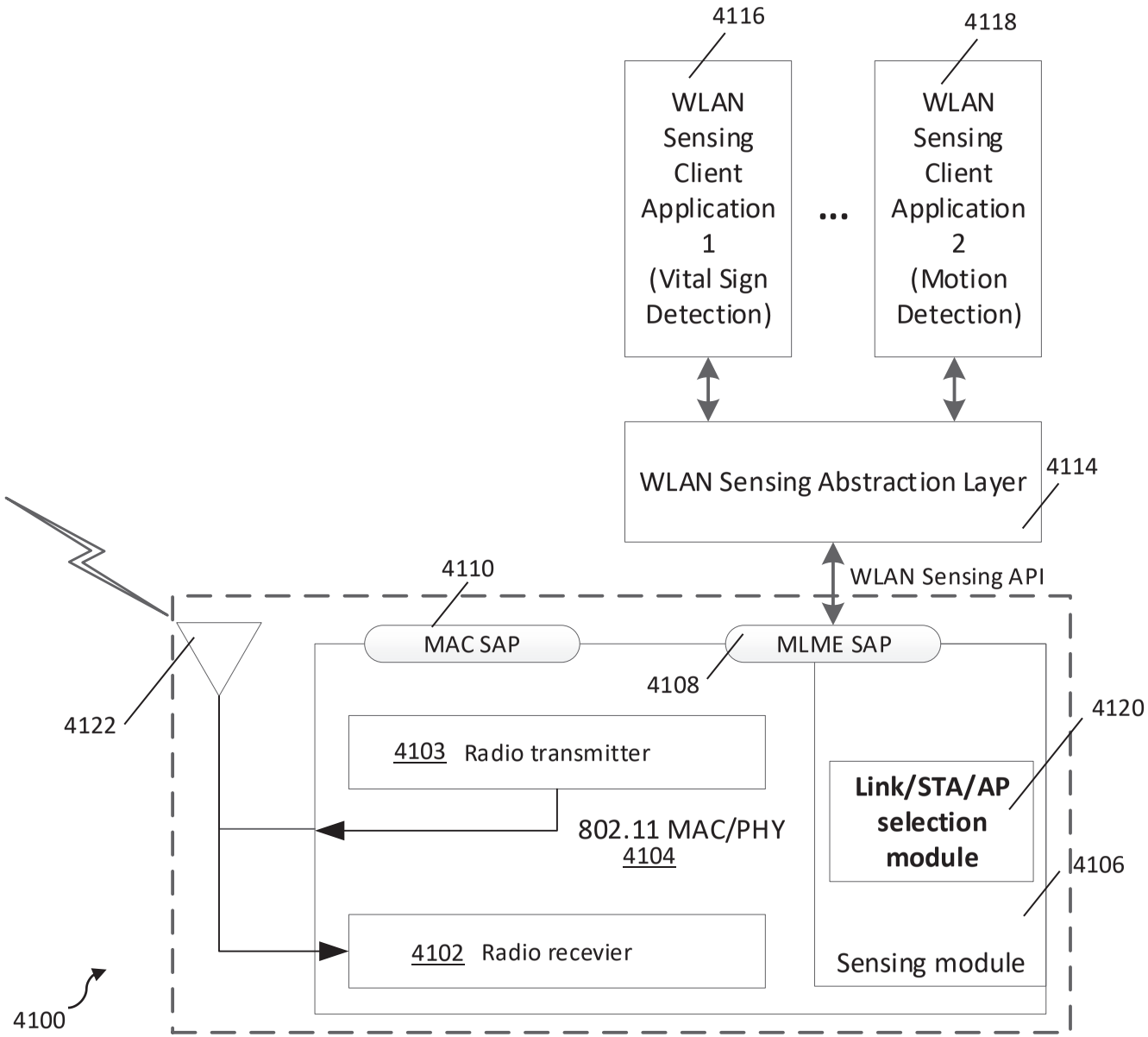

4116
4118
WLAN Sensing Client Application 1 (Vital Sign Detection)
...
WLAN Sensing Client Application 2 (Motion Detection)
WLAN Sensing Abstraction Layer
4114
WLAN Sensing API
4110
MAC SAP
MLME SAP
4108
4122
4120
4103 Radio transmitter
Link/STA/AP selection module
802.11 MAC/PHY
4104
4106
4102 Radio recevier
Sensing module
4100

Figure 41

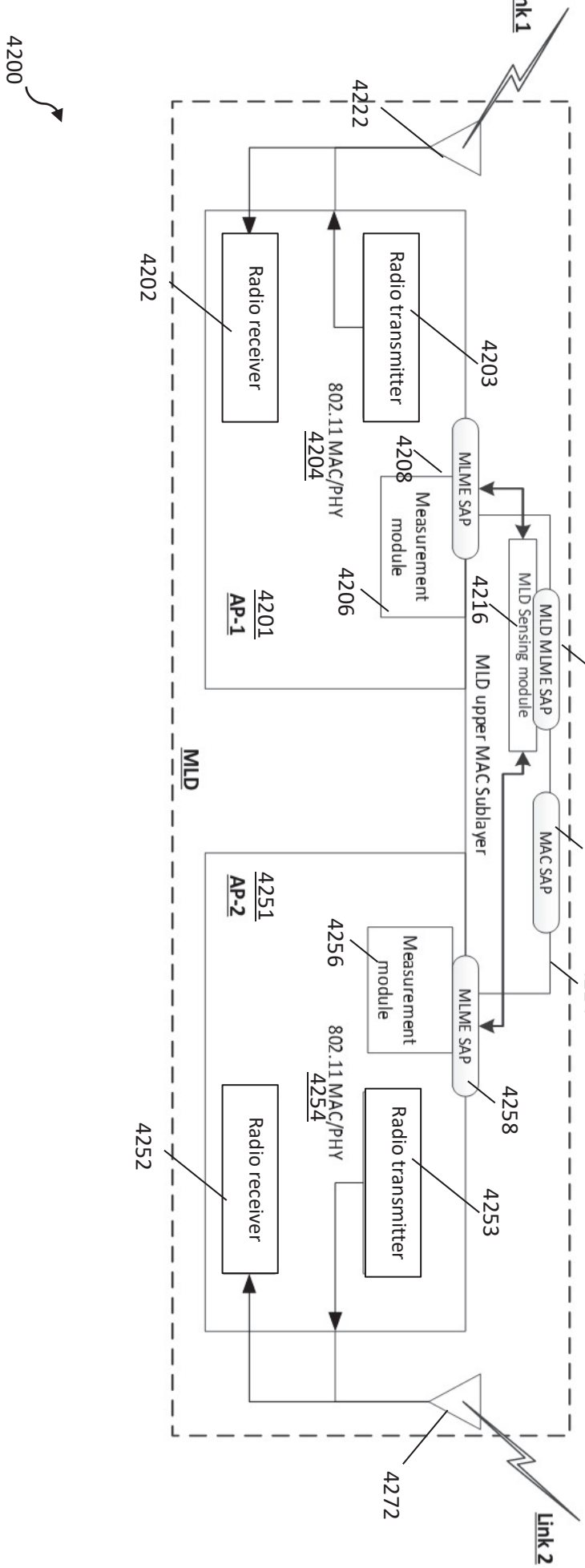

4200
Link 1
4222
4202
Radio receiver
Radio transmitter
4203
802.11 MAC/PHY
4204
4208
MLME SAP
Measurement module
4206
4216
MLD Sensing module
4212
MLD MLME SAP
MLD upper MAC Sublayer
4210
MAC SAP
4214
4201
AP-1
MLD
4251
AP-2
4256
Measurement module
802.11 MAC/PHY
4254
4258
MLME SAP
Radio transmitter
4253
Radio receiver
4252
4272
Link 2

Figure 42

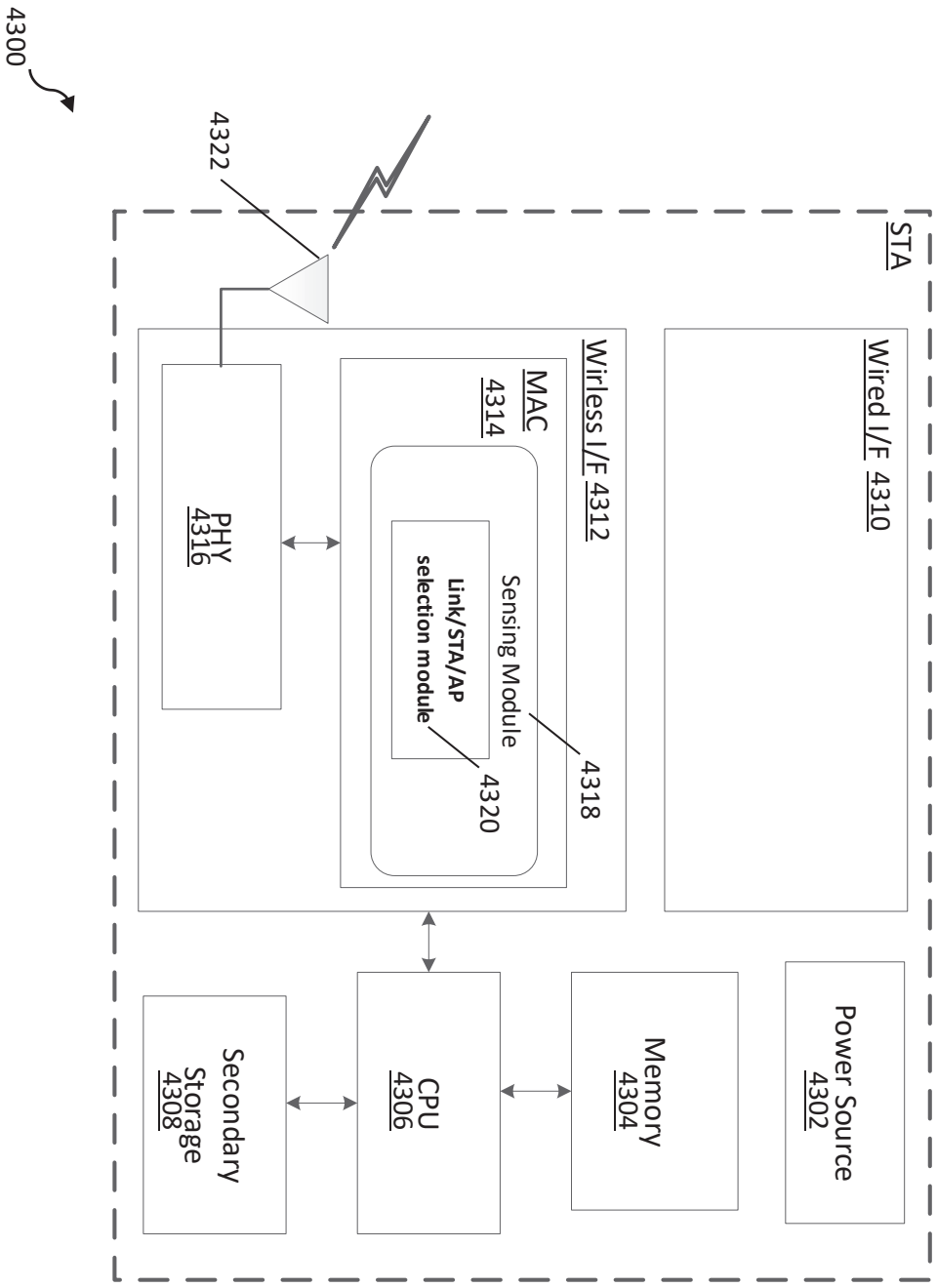

4300
4322
STA
Wired I/F 4310
Wirless I/F 4312
MAC
4314
Sensing Module
4318
Link/STA/AP
selection module
4320
PHY
4316
Power Source
4302
Memory
4304
CPU
4306
Secondary
Storage
4308

Figure 43

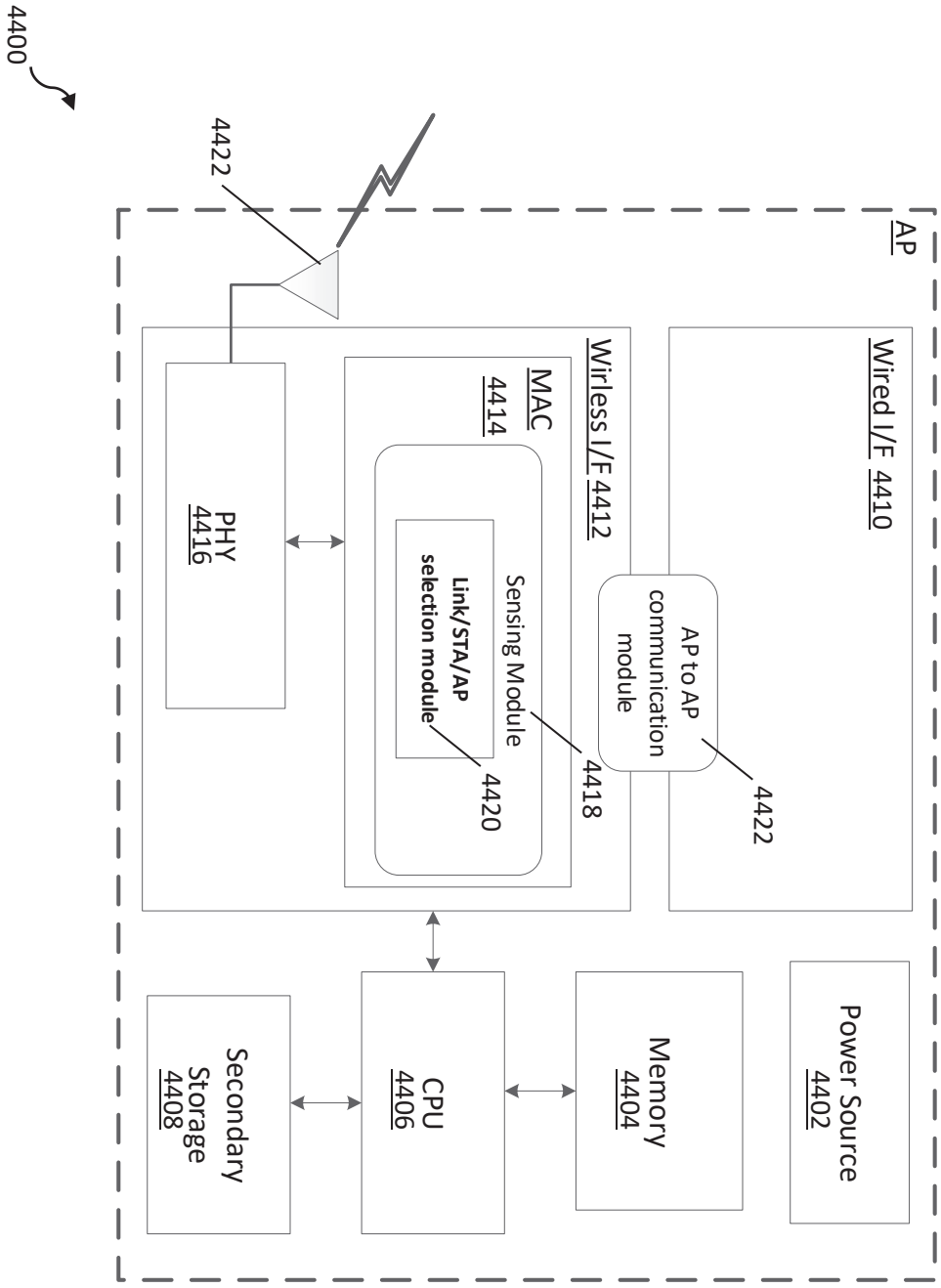

4400
AP
4422
Wired I/F 4410
AP to AP communication module
4422
Wirless I/F 4412
MAC 4414
Sensing Module
Link/STA/AP selection module
4420
4418
PHY 4416
Power Source 4402
Memory 4404
CPU 4406
Secondary Storage 4408

Figure 44