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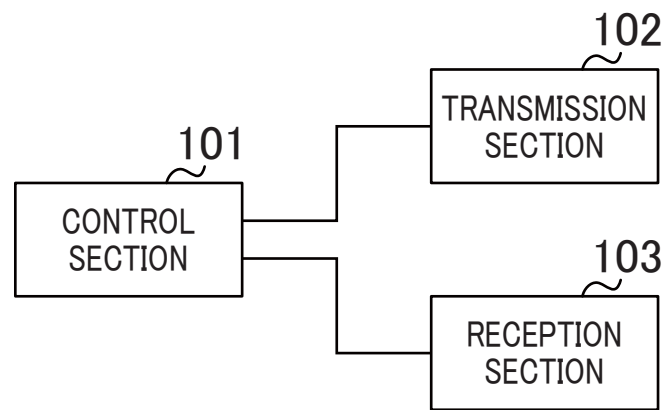


FIG. 1

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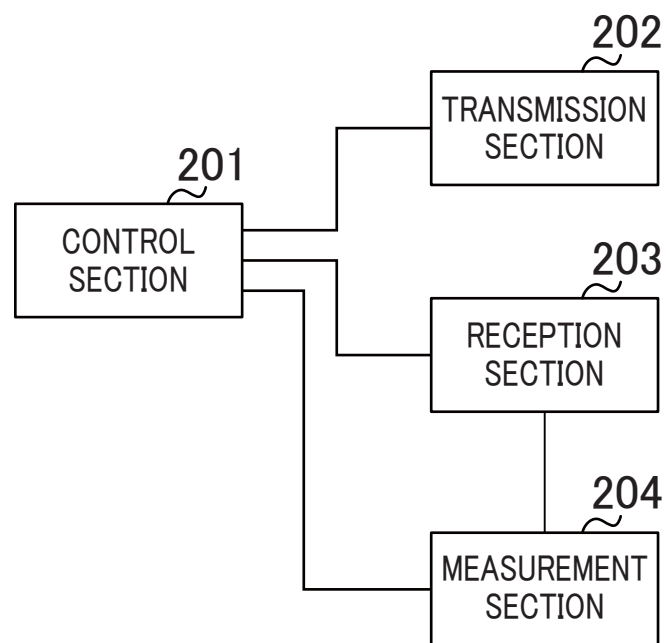


FIG. 2

n257, n258, n261 (28GHz BAND)

Power Class	Max TRP (dBm)	Max peak EIRP (dBm)	Min peak EIRP (dBm)	Spherical coverage EIRP (dBm, %-tile CDF)
1	35	55	40	(32, 85)
2	23	43	29	(18, 60)
3	23	43	22.4	(11.5, 50)
4	23	43	34	(25, 20)

n260 (38GHz BAND)

Power Class	Max TRP (dBm)	Max peak EIRP (dBm)	Min peak EIRP (dBm)	Spherical coverage EIRP (dBm, %-tile CDF)
1	35	55	40	32
2	N/A	N/A	N/A	N/A
3	23	43	20.6	(8, 50)
4	23	43	31	(19, 20)

FIG. 3

Proposal	Summary	28GHz		38GHz		Sum of	
		TRP(dBm)	EIRP(dBm)	TRP(dBm)	EIRP(dBm)	Spherical EIRP(dBm)	EIRP(dBm)
A	Same TRP between 28GHz and 38GHz	20.0	19.4	20.0	17.6	5	21.6
B	Same EIRP between 28GHz and 38GHz	19.0	18.4	20.8	18.4	5.8	21.4
C	EIRP greater at 38 GHz	17.0	16.4	21.7	19.3	6.7	21.1

FIG. 4

For inter-band carrier aggregation, the UE shall support the minimum EIRP, the maximum EIRP, the maximum TRP, and the spherical EIRP for carrier aggregation, as specified in the following equation;

$$\begin{aligned}\Delta P_{\text{powerclass}, c} &= P_{\text{powerclass}, c} - P_{\text{powerclass}, e_CA} \\ \Delta \text{TRP}_{\text{max}, c} &= \text{TRP}_{\text{max}, c} - \text{TRP}_{\text{max}, e_CA} \\ \Delta P_{\text{powerclass}, c} &= \Delta \text{TRP}_{\text{max}, c} \\ \sum \text{trp}_{\text{max}, e_CA} &= \text{MIN}\{\text{trp}_{\text{max}, c}\}\end{aligned}$$

where

- $P_{\text{powerclass}, c}$ is the minimum EIRP as specified in sub-clause 6.2.1 for serving cell c ($j=1\dots m$);
- $\text{TRP}_{\text{max}, c}$ is the maximum TRP as specified in sub-clause 6.2.1 for serving cell c ($j=1\dots m$);
- $P_{\text{powerclass}, e_CA}$ and $\text{TRP}_{\text{max}, e_CA}$ are the minimum EIRP and maximum TRP that the UE shall meet for inter-band carrier aggregation, respectively;
- $\Delta P_{\text{powerclass}, e_CA}$ and $\Delta \text{TRP}_{\text{max}, e_CA}$ are the degradation between $P_{\text{powerclass}, c}$ and $P_{\text{powerclass}, e_CA}$ and the degradation between $\text{TRP}_{\text{max}, c}$ and $\text{TRP}_{\text{max}, e_CA}$, respectively;
- $\text{trp}_{\text{max}, c}$ is the linear value of $\text{TRP}_{\text{max}, c}$;
- $\text{trp}_{\text{max}, e_CA}$ is the linear value of $\text{TRP}_{\text{max}, e_CA}$

PROPOSAL A) : $\text{TRP}_{\text{max}, e_CA}$, is specified as same $\text{TRP}_{\text{max}, e_CA}$ for all serving cell

PROPOSAL B) : $P_{\text{powerclass}, e_CA}$ is specified as same $P_{\text{powerclass}, e_CA}$ for all serving cell

PROPOSAL C) : $P_{\text{powerclass}, e_CA}$ is specified as $P_{\text{powerclass}, i_CA} = P_{\text{powerclass}, k_CA} + \Delta \text{LB}$ for serving cell i and k for ($j=1\dots l\dots k\dots m$), where ΔLB is the difference of propagation loss due to the difference of the carrier frequency for serving cells.

FIG. 5

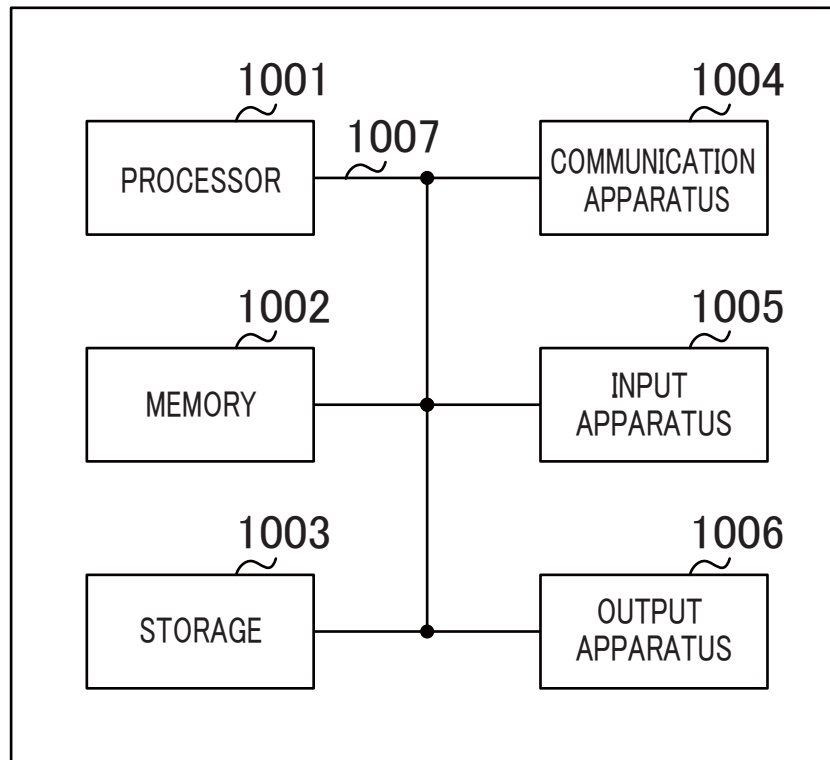


FIG. 6