

E.4.21.4 Top Antenna Cluster 1 + 2 SPLSR

Table E-306

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.643	0.044	0.687	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.643	0.023	0.666	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.643	0.016	0.659	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.643	0.042	0.685	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.643	0.055	0.698	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.643	0.036	0.679	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.643	0.050	0.693	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.733	0.044	0.777	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.733	0.023	0.756	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.733	0.016	0.749	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.733	0.042	0.775	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.733	0.055	0.788	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.733	0.036	0.769	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.733	0.050	0.783	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.605	0.044	0.649	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.605	0.023	0.628	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.605	0.016	0.621	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.605	0.042	0.647	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.605	0.055	0.660	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.605	0.036	0.641	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.605	0.050	0.655	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.571	0.044	0.615	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.571	0.023	0.594	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.571	0.016	0.587	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.571	0.042	0.613	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.571	0.055	0.626	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.571	0.036	0.607	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.571	0.050	0.621	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.654	0.044	0.698	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.654	0.023	0.677	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.654	0.016	0.670	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.654	0.042	0.696	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.654	0.055	0.709	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.654	0.036	0.690	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.654	0.050	0.704	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.654	0.044	0.698	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.654	0.023	0.677	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.654	0.016	0.670	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.654	0.042	0.696	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.654	0.055	0.709	0.89

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Top Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.654	0.036	0.690	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.654	0.050	0.704	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.724	0.044	0.768	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.724	0.023	0.747	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.724	0.016	0.740	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.724	0.042	0.766	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.724	0.055	0.779	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.724	0.036	0.760	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.724	0.050	0.774	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.736	0.044	0.780	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.736	0.023	0.759	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1a 2.4 GHz WIFI	0.736	0.016	0.752	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1a 2.4 GHz WIFI	0.736	0.042	0.778	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.736	0.055	0.791	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant 1a 2.4 GHz WIFI	0.736	0.036	0.772	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1a 2.4 GHz WIFI	0.736	0.050	0.786	0.89

When the combination sum is less than the TER limit, no further evaluation is required.

E.4.21.5 Bottom Antenna Cluster Summation

Table E-307

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b LTE Band 48	Ant 3a 2.4 GHz WIFI	0.013 + 0.015	0.008 + 0.009	0.017
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz WIFI	0.015 + 0.015	0.009 + 0.009	0.018
Ant 3b NR Band n12	Ant 3a 2.4 GHz WIFI	0.043 + 0.015	0.027 + 0.009	0.036
Ant 3b LTE Band 13	Ant 3a 2.4 GHz WIFI	0.035 + 0.015	0.022 + 0.009	0.031
Ant 3b LTE Band 14	Ant 3a 2.4 GHz WIFI	0.033 + 0.015	0.021 + 0.009	0.030
Ant 3b LTE Band 71	Ant 3a 2.4 GHz WIFI	0.039 + 0.015	0.024 + 0.009	0.033
Ant 3b NR Band n5	Ant 3a 2.4 GHz WIFI	0.058 + 0.015	0.036 + 0.009	0.045
Ant 3b LTE Band 106	Ant 3a 2.4 GHz WIFI	0.038 + 0.015	0.024 + 0.009	0.033

Table E-308

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 NR Band n70	Ant 1b 5 GHz WIFI	1.182 + 0.392	0.739 + 0.245	0.984
Ant 2 NR Band n25	Ant 1b 5 GHz WIFI	1.186 + 0.392	0.741 + 0.245	0.986
Ant 2 NR Band n30	Ant 1b 5 GHz WIFI	1.194 + 0.392	0.746 + 0.245	0.991
Ant 2 NR Band n7	Ant 1b 5 GHz WIFI	0.615 + 0.392	0.384 + 0.245	0.629
Ant 2 NR Band n41	Ant 1b 5 GHz WIFI	0.466 + 0.392	0.291 + 0.245	0.536
Ant 2 NR Band n48	Ant 1b 5 GHz WIFI	0.311 + 0.392	0.194 + 0.245	0.439
Ant 2 NR Band n77	Ant 1b 5 GHz WIFI	1.033 + 0.392	0.646 + 0.245	0.891

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E.4.21.6 Bottom Antenna Cluster 1 + 2 SPLSR

Table E-309

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.017	0.984	1.001	0.00	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.017	0.986	1.003	0.00	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.017	0.991	1.008	0.00	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.017	0.629	0.646	0.00	N/A
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.017	0.536	0.553	0.00	N/A
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.017	0.439	0.456	0.00	N/A
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.017	0.891	0.908	0.00	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.018	0.984	1.002	0.00	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.018	0.986	1.004	0.00	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.018	0.991	1.009	0.00	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.018	0.629	0.647	0.00	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.018	0.536	0.554	0.00	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.018	0.439	0.457	0.00	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.018	0.891	0.909	0.00	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.036	0.984	1.020	0.00	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.036	0.986	1.022	0.00	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.036	0.991	1.027	0.00	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.036	0.629	0.665	0.00	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.036	0.536	0.572	0.00	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.036	0.439	0.475	0.00	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.036	0.891	0.927	0.00	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.031	0.984	1.015	0.00	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.031	0.986	1.017	0.00	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.031	0.991	1.022	0.00	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.031	0.629	0.660	0.00	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.031	0.536	0.567	0.00	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.031	0.439	0.470	0.00	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.031	0.891	0.922	0.00	N/A
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.030	0.984	1.014	0.00	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.030	0.986	1.016	0.00	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.030	0.991	1.021	0.00	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.030	0.629	0.659	0.00	N/A
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.030	0.536	0.566	0.00	N/A
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.030	0.439	0.469	0.00	N/A
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.030	0.891	0.921	0.00	N/A
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.033	0.984	1.017	0.00	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.033	0.986	1.019	0.00	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.033	0.991	1.024	0.00	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.033	0.629	0.662	0.00	N/A
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.033	0.536	0.569	0.00	N/A

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Bottom Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.033	0.439	0.472	0.00	N/A
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.033	0.891	0.924	0.00	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.045	0.984	1.029	0.00	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.045	0.986	1.031	0.00	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.045	0.991	1.036	0.00	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.045	0.629	0.674	0.00	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.045	0.536	0.581	0.00	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.045	0.439	0.484	0.00	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.045	0.891	0.936	0.00	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant 1b 5 GHz WIFI	0.033	0.984	1.017	0.00	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant 1b 5 GHz WIFI	0.033	0.986	1.019	0.00	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant 1b 5 GHz WIFI	0.033	0.991	1.024	0.00	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant 1b 5 GHz WIFI	0.033	0.629	0.662	0.00	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant 1b 5 GHz WIFI	0.033	0.536	0.569	0.00	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant 1b 5 GHz WIFI	0.033	0.439	0.472	0.00	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant 1b 5 GHz WIFI	0.033	0.891	0.924	0.00	N/A

E.4.21.7 Right Antenna Cluster Summation

Table E-310

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz Bluetooth	0.023 + 0.331	0.014 + 0.207	0.221
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz Bluetooth	0.055 + 0.331	0.034 + 0.207	0.241
Ant 3b NR Band n12	Ant 3a 2.4 GHz Bluetooth	0.142 + 0.331	0.089 + 0.207	0.296
Ant 3b LTE Band 13	Ant 3a 2.4 GHz Bluetooth	0.145 + 0.331	0.091 + 0.207	0.298
Ant 3b NR Band n14	Ant 3a 2.4 GHz Bluetooth	0.135 + 0.331	0.084 + 0.207	0.291
Ant 3b NR Band n71	Ant 3a 2.4 GHz Bluetooth	0.114 + 0.331	0.071 + 0.207	0.278
Ant 3b NR Band n5	Ant 3a 2.4 GHz Bluetooth	0.168 + 0.331	0.105 + 0.207	0.312
Ant 3b LTE Band 106	Ant 3a 2.4 GHz Bluetooth	0.135 + 0.331	0.084 + 0.207	0.291

Table E-311

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC2 Sum (ER)
Ant 2 NR Band n70	Ant 1b 6 GHz WIFI	0.218 + 0.028	0.136 + 0.018	0.154
Ant 2 UMTS 1900	Ant 1b 6 GHz WIFI	0.330 + 0.028	0.206 + 0.018	0.224
Ant 2 NR Band n30	Ant 1b 6 GHz WIFI	0.195 + 0.028	0.122 + 0.018	0.140
Ant 2 NR Band n7	Ant 1b 6 GHz WIFI	1.057 + 0.028	0.661 + 0.018	0.679
Ant 2 NR Band n41	Ant 1b 6 GHz WIFI	1.022 + 0.028	0.639 + 0.018	0.657
Ant 2 NR Band n48	Ant 1b 6 GHz WIFI	0.770 + 0.028	0.481 + 0.018	0.499
Ant 2 NR Band n77	Ant 1b 6 GHz WIFI	1.177 + 0.028	0.736 + 0.018	0.754

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E.4.21.8 Right Antenna Cluster 1 + 2 SPLSR

Table E-312

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.221	0.154	0.375	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.221	0.224	0.445	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.221	0.140	0.361	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.221	0.679	0.900	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.221	0.657	0.878	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.221	0.499	0.720	112.70	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.221	0.754	0.975	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.241	0.154	0.395	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.241	0.224	0.465	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.241	0.140	0.381	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.241	0.679	0.920	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.241	0.657	0.898	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.241	0.499	0.740	112.70	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.241	0.754	0.995	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.296	0.154	0.450	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.296	0.224	0.520	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.296	0.140	0.436	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.296	0.679	0.975	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.296	0.657	0.953	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.296	0.499	0.795	112.70	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.296	0.754	1.050	112.70	0.01
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.298	0.154	0.452	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.298	0.224	0.522	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.298	0.140	0.438	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.298	0.679	0.977	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.298	0.657	0.955	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.298	0.499	0.797	112.70	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.298	0.754	1.052	112.70	0.01
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.291	0.154	0.445	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.291	0.224	0.515	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.291	0.140	0.431	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.291	0.679	0.970	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.291	0.657	0.948	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.291	0.499	0.790	112.70	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.291	0.754	1.045	112.70	0.01
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.278	0.154	0.432	112.70	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.278	0.224	0.502	112.70	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.278	0.140	0.418	112.70	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.278	0.679	0.957	112.70	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.278	0.657	0.935	112.70	N/A

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Right Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.278	0.499	0.777	112.70	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.278	0.754	1.032	112.70	0.01
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.312	0.154	0.466	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.312	0.224	0.536	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.312	0.140	0.452	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.312	0.679	0.991	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.312	0.657	0.969	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.312	0.499	0.811	112.70	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.312	0.754	1.066	112.70	0.01
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant 1b 6 GHz WIFI	0.291	0.154	0.445	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant 1b 6 GHz WIFI	0.291	0.224	0.515	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant 1b 6 GHz WIFI	0.291	0.140	0.431	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant 1b 6 GHz WIFI	0.291	0.679	0.970	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1b 6 GHz WIFI	0.291	0.657	0.948	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1b 6 GHz WIFI	0.291	0.499	0.790	112.70	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant 1b 6 GHz WIFI	0.291	0.754	1.045	112.70	0.01

E.4.21.9 Left Antenna Cluster Summation

Table E-313

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz Bluetooth	0.042 + 0.004	0.026 + 0.003	0.029
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz Bluetooth	0.072 + 0.004	0.045 + 0.003	0.048
Ant 3b LTE Band 12	Ant 3a 2.4 GHz Bluetooth	0.073 + 0.004	0.046 + 0.003	0.049
Ant 3b LTE Band 13	Ant 3a 2.4 GHz Bluetooth	0.071 + 0.004	0.044 + 0.003	0.047
Ant 3b LTE Band 14	Ant 3a 2.4 GHz Bluetooth	0.053 + 0.004	0.033 + 0.003	0.036
Ant 3b LTE Band 71	Ant 3a 2.4 GHz Bluetooth	0.049 + 0.004	0.031 + 0.003	0.034
Ant 3b NR Band n5	Ant 3a 2.4 GHz Bluetooth	0.074 + 0.004	0.046 + 0.003	0.049
Ant 3b LTE Band 106	Ant 3a 2.4 GHz Bluetooth	0.054 + 0.004	0.034 + 0.003	0.037

Table E-314

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC2 Sum (ER)
Ant 2 UMTS 1750	Ant 1a 2.4 GHz WIFI	0.039 + 0.371	0.024 + 0.232	0.256
Ant 2 NR Band n25	Ant 1a 2.4 GHz WIFI	0.025 + 0.371	0.016 + 0.232	0.248
Ant 2 LTE Band 30	Ant 1a 2.4 GHz WIFI	0.004 + 0.371	0.003 + 0.232	0.235
Ant 2 LTE Band 7	Ant 1a 2.4 GHz WIFI	0.018 + 0.371	0.011 + 0.232	0.243
Ant 2 NR Band n41	Ant 1a 2.4 GHz WIFI	0.007 + 0.371	0.004 + 0.232	0.236
Ant 2 NR Band n48	Ant 1a 2.4 GHz WIFI	0.006 + 0.371	0.004 + 0.232	0.236
Ant 2 NR Band n77 DoD	Ant 1a 2.4 GHz WIFI	0.014 + 0.371	0.009 + 0.232	0.241

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E.4.21.10 Left Antenna Cluster 1 + 2 SPLSR

Table E-315

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.029	0.256	0.285	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.029	0.248	0.277	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.029	0.235	0.264	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.029	0.243	0.272	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.029	0.236	0.265	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.029	0.236	0.265	23.41
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.029	0.241	0.270	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.048	0.256	0.304	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.048	0.248	0.296	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.048	0.235	0.283	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.048	0.243	0.291	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.048	0.236	0.284	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.048	0.236	0.284	23.41
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.048	0.241	0.289	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.049	0.256	0.305	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.049	0.248	0.297	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.049	0.235	0.284	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.049	0.243	0.292	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.049	0.236	0.285	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.049	0.236	0.285	23.41
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.049	0.241	0.290	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.047	0.256	0.303	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.047	0.248	0.295	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.047	0.235	0.282	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.047	0.243	0.290	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.047	0.236	0.283	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.047	0.236	0.283	23.41
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.047	0.241	0.288	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.036	0.256	0.292	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.036	0.248	0.284	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.036	0.235	0.271	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.036	0.243	0.279	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.036	0.236	0.272	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.036	0.236	0.272	23.41
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.036	0.241	0.277	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.034	0.256	0.290	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.034	0.248	0.282	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.034	0.235	0.269	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.034	0.243	0.277	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.034	0.236	0.270	23.41

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Left Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.034	0.236	0.270	23.41
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.034	0.241	0.275	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.049	0.256	0.305	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.049	0.248	0.297	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.049	0.235	0.284	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.049	0.243	0.292	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.049	0.236	0.285	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.049	0.236	0.285	23.41
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.049	0.241	0.290	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant 1a 2.4 GHz WIFI	0.037	0.256	0.293	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant 1a 2.4 GHz WIFI	0.037	0.248	0.285	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.037	0.235	0.272	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.037	0.243	0.280	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant 1a 2.4 GHz WIFI	0.037	0.236	0.273	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.037	0.236	0.273	23.41
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.037	0.241	0.278	23.41

When the combination sum is less than the TER limit, no further evaluation is required.

E.4.22 Combination 22: AC1 (Ant 3b + Ant 3a) and AC2 (Ant 2 + Ant WF5B)

E.4.22.1 Back Antenna Cluster Summation

Table E-316

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz Bluetooth	1.073 + 0.394	0.671 + 0.246	0.917
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz Bluetooth	1.170 + 0.394	0.731 + 0.246	0.977
Ant 3b LTE Band 12	Ant 3a 2.4 GHz Bluetooth	1.181 + 0.394	0.738 + 0.246	0.984
Ant 3b LTE Band 13	Ant 3a 2.4 GHz Bluetooth	1.192 + 0.394	0.745 + 0.246	0.991
Ant 3b LTE Band 14	Ant 3a 2.4 GHz Bluetooth	1.192 + 0.394	0.745 + 0.246	0.991
Ant 3b NR Band n71	Ant 3a 2.4 GHz Bluetooth	1.187 + 0.394	0.742 + 0.246	0.988
Ant 3b NR Band n5	Ant 3a 2.4 GHz Bluetooth	1.182 + 0.394	0.739 + 0.246	0.985
Ant 3b LTE Band 106	Ant 3a 2.4 GHz Bluetooth	1.176 + 0.394	0.735 + 0.246	0.981

Table E-317

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 LTE Band 66	Ant WF5B 5 GHz WIFI	1.187 + 0.089	0.742 + 0.056	0.798
Ant 2 UMTS 1900	Ant WF5B 5 GHz WIFI	0.867 + 0.089	0.542 + 0.056	0.598
Ant 2 LTE Band 30	Ant WF5B 5 GHz WIFI	0.870 + 0.089	0.544 + 0.056	0.600
Ant 2 LTE Band 7	Ant WF5B 5 GHz WIFI	1.172 + 0.089	0.733 + 0.056	0.789
Ant 2 LTE Band 41	Ant WF5B 5 GHz WIFI	1.194 + 0.089	0.746 + 0.056	0.802
Ant 2 NR Band n48	Ant WF5B 5 GHz WIFI	1.177 + 0.089	0.736 + 0.056	0.792
Ant 2 NR Band n77 DoD	Ant WF5B 5 GHz WIFI	1.186 + 0.089	0.741 + 0.056	0.797

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E.4.22.2 Back Antenna Cluster 1 + 2 SPLSR

Table E-318

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.917	0.798	1.715	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.917	0.598	1.515	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.917	0.600	1.517	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.917	0.789	1.706	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.917	0.802	1.719	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.917	0.792	1.709	150.86	0.01
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.917	0.797	1.714	150.86	0.01
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.977	0.798	1.775	150.86	0.02
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.977	0.598	1.575	150.86	0.01
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.977	0.600	1.577	150.86	0.01
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.977	0.789	1.766	150.86	0.02
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.977	0.802	1.779	150.86	0.02
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.977	0.792	1.769	150.86	0.02
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.977	0.797	1.774	150.86	0.02
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.984	0.798	1.782	150.86	0.02
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.984	0.598	1.582	150.86	0.01
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.984	0.600	1.584	150.86	0.01
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.984	0.789	1.773	150.86	0.02
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.984	0.802	1.786	150.86	0.02
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.984	0.792	1.776	150.86	0.02
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.984	0.797	1.781	150.86	0.02
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.991	0.798	1.789	150.86	0.02
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.991	0.598	1.589	150.86	0.01
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.991	0.600	1.591	150.86	0.01
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.991	0.789	1.780	150.86	0.02
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.991	0.802	1.793	150.86	0.02
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.991	0.792	1.783	150.86	0.02
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.991	0.797	1.788	150.86	0.02
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.991	0.798	1.789	150.86	0.02
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.991	0.598	1.589	150.86	0.01
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.991	0.600	1.591	150.86	0.01
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.991	0.789	1.780	150.86	0.02
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.991	0.802	1.793	150.86	0.02
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.991	0.792	1.783	150.86	0.02
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.991	0.797	1.788	150.86	0.02
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.988	0.798	1.786	150.86	0.02
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.988	0.598	1.586	150.86	0.01
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.988	0.600	1.588	150.86	0.01
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.988	0.789	1.777	150.86	0.02
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.988	0.802	1.790	150.86	0.02

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Back Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.988	0.792	1.780	150.86	0.02
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.988	0.797	1.785	150.86	0.02
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.985	0.798	1.783	150.86	0.02
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.985	0.598	1.583	150.86	0.01
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.985	0.600	1.585	150.86	0.01
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.985	0.789	1.774	150.86	0.02
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.985	0.802	1.787	150.86	0.02
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.985	0.792	1.777	150.86	0.02
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.985	0.797	1.782	150.86	0.02
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 66 + Ant WF5B 5 GHz WIFI	0.981	0.798	1.779	150.86	0.02
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.981	0.598	1.579	150.86	0.01
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.981	0.600	1.581	150.86	0.01
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.981	0.789	1.770	150.86	0.02
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 41 + Ant WF5B 5 GHz WIFI	0.981	0.802	1.783	150.86	0.02
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.981	0.792	1.773	150.86	0.02
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.981	0.797	1.778	150.86	0.02

E.4.22.3 Top Antenna Cluster Summation

Table E-319

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz WIFI	0.813 + 0.216	0.508 + 0.135	0.643
Ant 3b NR Band n77	Ant 3a 2.4 GHz WIFI	0.956 + 0.216	0.598 + 0.135	0.733
Ant 3b NR Band n12	Ant 3a 2.4 GHz WIFI	0.752 + 0.216	0.470 + 0.135	0.605
Ant 3b LTE Band 13	Ant 3a 2.4 GHz WIFI	0.698 + 0.216	0.436 + 0.135	0.571
Ant 3b LTE Band 14	Ant 3a 2.4 GHz WIFI	0.830 + 0.216	0.519 + 0.135	0.654
Ant 3b LTE Band 71	Ant 3a 2.4 GHz WIFI	0.831 + 0.216	0.519 + 0.135	0.654
Ant 3b LTE Band 5	Ant 3a 2.4 GHz WIFI	0.943 + 0.216	0.589 + 0.135	0.724
Ant 3b LTE Band 106	Ant 3a 2.4 GHz WIFI	0.961 + 0.216	0.601 + 0.135	0.736

Table E-320

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 UMTS 1750	Ant WF5B NB U-NII 3	0.051 + 0.000	0.032 + 0.000	0.032
Ant 2 NR Band n25	Ant WF5B NB U-NII 3	0.017 + 0.000	0.011 + 0.000	0.011
Ant 2 NR Band n30	Ant WF5B NB U-NII 3	0.007 + 0.000	0.004 + 0.000	0.004
Ant 2 NR Band n7	Ant WF5B NB U-NII 3	0.048 + 0.000	0.030 + 0.000	0.030
Ant 2 NR Band n41	Ant WF5B NB U-NII 3	0.069 + 0.000	0.043 + 0.000	0.043
Ant 2 LTE Band 48	Ant WF5B NB U-NII 3	0.038 + 0.000	0.024 + 0.000	0.024
Ant 2 NR Band n77	Ant WF5B NB U-NII 3	0.061 + 0.000	0.038 + 0.000	0.038

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E.4.22.4 Top Antenna Cluster 1 + 2 SPLSR

Table E-321

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.643	0.032	0.675	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.643	0.011	0.654	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.643	0.004	0.647	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.643	0.030	0.673	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.643	0.043	0.686	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.643	0.024	0.667	0.89
Ant 3b NR Band n48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.643	0.038	0.681	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.733	0.032	0.765	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.733	0.011	0.744	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.733	0.004	0.737	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.733	0.030	0.763	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.733	0.043	0.776	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.733	0.024	0.757	0.89
Ant 3b NR Band n77 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.733	0.038	0.771	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.605	0.032	0.637	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.605	0.011	0.616	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.605	0.004	0.609	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.605	0.030	0.635	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.605	0.043	0.648	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.605	0.024	0.629	0.89
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.605	0.038	0.643	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.571	0.032	0.603	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.571	0.011	0.582	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.571	0.004	0.575	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.571	0.030	0.601	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.571	0.043	0.614	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.571	0.024	0.595	0.89
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.571	0.038	0.609	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.654	0.032	0.686	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.654	0.011	0.665	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.654	0.004	0.658	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.654	0.030	0.684	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.654	0.043	0.697	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.654	0.024	0.678	0.89
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.654	0.038	0.692	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.654	0.032	0.686	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.654	0.011	0.665	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.654	0.004	0.658	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.654	0.030	0.684	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.654	0.043	0.697	0.89

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Top Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		a	b	a + b	D _{a-b}
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.654	0.024	0.678	0.89
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.654	0.038	0.692	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.724	0.032	0.756	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.724	0.011	0.735	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.724	0.004	0.728	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.724	0.030	0.754	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.724	0.043	0.767	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.724	0.024	0.748	0.89
Ant 3b LTE Band 5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.724	0.038	0.762	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 UMTS 1750 + Ant WF5B NB U-NII 3	0.736	0.032	0.768	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B NB U-NII 3	0.736	0.011	0.747	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B NB U-NII 3	0.736	0.004	0.740	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B NB U-NII 3	0.736	0.030	0.766	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B NB U-NII 3	0.736	0.043	0.779	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 LTE Band 48 + Ant WF5B NB U-NII 3	0.736	0.024	0.760	0.89
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B NB U-NII 3	0.736	0.038	0.774	0.89

When the combination sum is less than the TER limit, no further evaluation is required.

E.4.22.5 Bottom Antenna Cluster Summation

Table E-322

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b LTE Band 48	Ant 3a 2.4 GHz WIFI	0.013 + 0.015	0.008 + 0.009	0.017
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz WIFI	0.015 + 0.015	0.009 + 0.009	0.018
Ant 3b NR Band n12	Ant 3a 2.4 GHz WIFI	0.043 + 0.015	0.027 + 0.009	0.036
Ant 3b LTE Band 13	Ant 3a 2.4 GHz WIFI	0.035 + 0.015	0.022 + 0.009	0.031
Ant 3b LTE Band 14	Ant 3a 2.4 GHz WIFI	0.033 + 0.015	0.021 + 0.009	0.030
Ant 3b LTE Band 71	Ant 3a 2.4 GHz WIFI	0.039 + 0.015	0.024 + 0.009	0.033
Ant 3b NR Band n5	Ant 3a 2.4 GHz WIFI	0.058 + 0.015	0.036 + 0.009	0.045
Ant 3b LTE Band 106	Ant 3a 2.4 GHz WIFI	0.038 + 0.015	0.024 + 0.009	0.033

Table E-323

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 NR Band n70	Ant WF5B 6 GHz WIFI	1.182 + 0.024	0.739 + 0.015	0.754
Ant 2 NR Band n25	Ant WF5B 6 GHz WIFI	1.186 + 0.024	0.741 + 0.015	0.756
Ant 2 NR Band n30	Ant WF5B 6 GHz WIFI	1.194 + 0.024	0.746 + 0.015	0.761
Ant 2 NR Band n7	Ant WF5B 6 GHz WIFI	0.615 + 0.024	0.384 + 0.015	0.399
Ant 2 NR Band n41	Ant WF5B 6 GHz WIFI	0.466 + 0.024	0.291 + 0.015	0.306
Ant 2 NR Band n48	Ant WF5B 6 GHz WIFI	0.311 + 0.024	0.194 + 0.015	0.209
Ant 2 NR Band n77	Ant WF5B 6 GHz WIFI	1.033 + 0.024	0.646 + 0.015	0.661

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E.4.22.6 Bottom Antenna Cluster 1 + 2 SPLSR

Table E-324

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.017	0.754	0.771	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.017	0.756	0.773	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.017	0.761	0.778	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.017	0.399	0.416	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.017	0.306	0.323	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.017	0.209	0.226	0.00
Ant 3b LTE Band 48 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.017	0.661	0.678	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.018	0.754	0.772	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.018	0.756	0.774	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.018	0.761	0.779	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.018	0.399	0.417	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.018	0.306	0.324	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.018	0.209	0.227	0.00
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.018	0.661	0.679	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.036	0.754	0.790	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.036	0.756	0.792	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.036	0.761	0.797	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.036	0.399	0.435	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.036	0.306	0.342	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.036	0.209	0.245	0.00
Ant 3b NR Band n12 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.036	0.661	0.697	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.031	0.754	0.785	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.031	0.756	0.787	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.031	0.761	0.792	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.031	0.399	0.430	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.031	0.306	0.337	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.031	0.209	0.240	0.00
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.031	0.661	0.692	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.030	0.754	0.784	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.030	0.756	0.786	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.030	0.761	0.791	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.030	0.399	0.429	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.030	0.306	0.336	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.030	0.209	0.239	0.00
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.030	0.661	0.691	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.033	0.754	0.787	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.033	0.756	0.789	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.033	0.761	0.794	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.033	0.399	0.432	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.033	0.306	0.339	0.00

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Bottom Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.033	0.209	0.242	0.00
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.033	0.661	0.694	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.045	0.754	0.799	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.045	0.756	0.801	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.045	0.761	0.806	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.045	0.399	0.444	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.045	0.306	0.351	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.045	0.209	0.254	0.00
Ant 3b NR Band n5 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.045	0.661	0.706	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n70 + Ant WF5B 6 GHz WIFI	0.033	0.754	0.787	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n25 + Ant WF5B 6 GHz WIFI	0.033	0.756	0.789	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n30 + Ant WF5B 6 GHz WIFI	0.033	0.761	0.794	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n7 + Ant WF5B 6 GHz WIFI	0.033	0.399	0.432	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n41 + Ant WF5B 6 GHz WIFI	0.033	0.306	0.339	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n48 + Ant WF5B 6 GHz WIFI	0.033	0.209	0.242	0.00
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz WIFI	Ant 2 NR Band n77 + Ant WF5B 6 GHz WIFI	0.033	0.661	0.694	0.00

When the combination sum is less than the TER limit, no further evaluation is required.

E.4.22.7 Right Antenna Cluster Summation

Table E-325

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz Bluetooth	0.023 + 0.331	0.014 + 0.207	0.221
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz Bluetooth	0.055 + 0.331	0.034 + 0.207	0.241
Ant 3b NR Band n12	Ant 3a 2.4 GHz Bluetooth	0.142 + 0.331	0.089 + 0.207	0.296
Ant 3b LTE Band 13	Ant 3a 2.4 GHz Bluetooth	0.145 + 0.331	0.091 + 0.207	0.298
Ant 3b NR Band n14	Ant 3a 2.4 GHz Bluetooth	0.135 + 0.331	0.084 + 0.207	0.291
Ant 3b NR Band n71	Ant 3a 2.4 GHz Bluetooth	0.114 + 0.331	0.071 + 0.207	0.278
Ant 3b NR Band n5	Ant 3a 2.4 GHz Bluetooth	0.168 + 0.331	0.105 + 0.207	0.312
Ant 3b LTE Band 106	Ant 3a 2.4 GHz Bluetooth	0.135 + 0.331	0.084 + 0.207	0.291

Table E-326

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 NR Band n70	Ant WF5B 5 GHz WIFI	0.218 + 0.037	0.136 + 0.023	0.159
Ant 2 UMTS 1900	Ant WF5B 5 GHz WIFI	0.330 + 0.037	0.206 + 0.023	0.229
Ant 2 NR Band n30	Ant WF5B 5 GHz WIFI	0.195 + 0.037	0.122 + 0.023	0.145
Ant 2 NR Band n7	Ant WF5B 5 GHz WIFI	1.057 + 0.037	0.661 + 0.023	0.684
Ant 2 NR Band n41	Ant WF5B 5 GHz WIFI	1.022 + 0.037	0.639 + 0.023	0.662
Ant 2 NR Band n48	Ant WF5B 5 GHz WIFI	0.770 + 0.037	0.481 + 0.023	0.504
Ant 2 NR Band n77	Ant WF5B 5 GHz WIFI	1.177 + 0.037	0.736 + 0.023	0.759

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E.4.22.8 Right Antenna Cluster 1 + 2 SPLSR

Table E-327

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.221	0.159	0.380	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.221	0.229	0.450	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.221	0.145	0.366	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.221	0.684	0.905	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.221	0.662	0.883	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.221	0.504	0.725	105.13	N/A
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.221	0.759	0.980	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.241	0.159	0.400	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.241	0.229	0.470	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.241	0.145	0.386	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.241	0.684	0.925	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.241	0.662	0.903	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.241	0.504	0.745	105.13	N/A
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.241	0.759	1.000	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.296	0.159	0.455	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.296	0.229	0.525	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.296	0.145	0.441	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.296	0.684	0.980	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.296	0.662	0.958	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.296	0.504	0.800	105.13	N/A
Ant 3b NR Band n12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.296	0.759	1.055	105.13	0.01
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.298	0.159	0.457	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.298	0.229	0.527	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.298	0.145	0.443	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.298	0.684	0.982	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.298	0.662	0.960	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.298	0.504	0.802	105.13	N/A
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.298	0.759	1.057	105.13	0.01
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.291	0.159	0.450	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.291	0.229	0.520	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.291	0.145	0.436	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.291	0.684	0.975	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.291	0.662	0.953	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.291	0.504	0.795	105.13	N/A
Ant 3b NR Band n14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.291	0.759	1.050	105.13	0.01
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.278	0.159	0.437	105.13	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.278	0.229	0.507	105.13	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.278	0.145	0.423	105.13	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.278	0.684	0.962	105.13	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.278	0.662	0.940	105.13	N/A

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Right Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.278	0.504	0.782	105.13	N/A
Ant 3b NR Band n71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.278	0.759	1.037	105.13	0.01
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.312	0.159	0.471	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.312	0.229	0.541	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.312	0.145	0.457	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.312	0.684	0.996	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.312	0.662	0.974	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.312	0.504	0.816	105.13	N/A
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.312	0.759	1.071	105.13	0.01
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n70 + Ant WF5B 5 GHz WIFI	0.291	0.159	0.450	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1900 + Ant WF5B 5 GHz WIFI	0.291	0.229	0.520	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n30 + Ant WF5B 5 GHz WIFI	0.291	0.145	0.436	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n7 + Ant WF5B 5 GHz WIFI	0.291	0.684	0.975	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.291	0.662	0.953	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.291	0.504	0.795	105.13	N/A
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 + Ant WF5B 5 GHz WIFI	0.291	0.759	1.050	105.13	0.01

E.4.22.9 Left Antenna Cluster Summation

Table E-328

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant 3a 2.4 GHz Bluetooth	0.042 + 0.004	0.026 + 0.003	0.029
Ant 3b NR Band n77 DoD	Ant 3a 2.4 GHz Bluetooth	0.072 + 0.004	0.045 + 0.003	0.048
Ant 3b LTE Band 12	Ant 3a 2.4 GHz Bluetooth	0.073 + 0.004	0.046 + 0.003	0.049
Ant 3b LTE Band 13	Ant 3a 2.4 GHz Bluetooth	0.071 + 0.004	0.044 + 0.003	0.047
Ant 3b LTE Band 14	Ant 3a 2.4 GHz Bluetooth	0.053 + 0.004	0.033 + 0.003	0.036
Ant 3b LTE Band 71	Ant 3a 2.4 GHz Bluetooth	0.049 + 0.004	0.031 + 0.003	0.034
Ant 3b NR Band n5	Ant 3a 2.4 GHz Bluetooth	0.074 + 0.004	0.046 + 0.003	0.049
Ant 3b LTE Band 106	Ant 3a 2.4 GHz Bluetooth	0.054 + 0.004	0.034 + 0.003	0.037

Table E-329

Ant "a"	Ant "b"	$a + b$ (W/kg)	$a + b$ (ER)	AC2 Sum (ER)
Ant 2 UMTS 1750	Ant WF5B 5 GHz WIFI	0.039 + 0.400	0.024 + 0.250	0.274
Ant 2 NR Band n25	Ant WF5B 5 GHz WIFI	0.025 + 0.400	0.016 + 0.250	0.266
Ant 2 LTE Band 30	Ant WF5B 5 GHz WIFI	0.004 + 0.400	0.003 + 0.250	0.253
Ant 2 LTE Band 7	Ant WF5B 5 GHz WIFI	0.018 + 0.400	0.011 + 0.250	0.261
Ant 2 NR Band n41	Ant WF5B 5 GHz WIFI	0.007 + 0.400	0.004 + 0.250	0.254
Ant 2 NR Band n48	Ant WF5B 5 GHz WIFI	0.006 + 0.400	0.004 + 0.250	0.254
Ant 2 NR Band n77 DoD	Ant WF5B 5 GHz WIFI	0.014 + 0.400	0.009 + 0.250	0.259

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E.4.22.10 Left Antenna Cluster 1 + 2 SPLSR

Table E-330

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.029	0.274	0.303	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.029	0.266	0.295	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.029	0.253	0.282	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.029	0.261	0.290	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.029	0.254	0.283	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.029	0.254	0.283	18.39
Ant 3b NR Band n48 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.029	0.259	0.288	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.048	0.274	0.322	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.048	0.266	0.314	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.048	0.253	0.301	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.048	0.261	0.309	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.048	0.254	0.302	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.048	0.254	0.302	18.39
Ant 3b NR Band n77 DoD + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.048	0.259	0.307	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.049	0.274	0.323	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.049	0.266	0.315	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.049	0.253	0.302	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.049	0.261	0.310	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.049	0.254	0.303	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.049	0.254	0.303	18.39
Ant 3b LTE Band 12 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.049	0.259	0.308	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.047	0.274	0.321	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.047	0.266	0.313	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.047	0.253	0.300	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.047	0.261	0.308	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.047	0.254	0.301	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.047	0.254	0.301	18.39
Ant 3b LTE Band 13 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.047	0.259	0.306	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.036	0.274	0.310	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.036	0.266	0.302	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.036	0.253	0.289	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.036	0.261	0.297	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.036	0.254	0.290	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.036	0.254	0.290	18.39
Ant 3b LTE Band 14 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.036	0.259	0.295	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.034	0.274	0.308	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.034	0.266	0.300	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.034	0.253	0.287	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.034	0.261	0.295	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.034	0.254	0.288	18.39

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Left Antenna Cluster 1 + 2 SPLSR (continued)

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)
		Exposure Ratio 1	Exposure Ratio 2		
		<i>a</i>	<i>b</i>	<i>a + b</i>	<i>D_{a-b}</i>
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.034	0.254	0.288	18.39
Ant 3b LTE Band 71 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.034	0.259	0.293	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.049	0.274	0.323	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.049	0.266	0.315	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.049	0.253	0.302	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.049	0.261	0.310	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.049	0.254	0.303	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.049	0.254	0.303	18.39
Ant 3b NR Band n5 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.049	0.259	0.308	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 UMTS 1750 + Ant WF5B 5 GHz WIFI	0.037	0.274	0.311	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n25 + Ant WF5B 5 GHz WIFI	0.037	0.266	0.303	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 30 + Ant WF5B 5 GHz WIFI	0.037	0.253	0.290	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 LTE Band 7 + Ant WF5B 5 GHz WIFI	0.037	0.261	0.298	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n41 + Ant WF5B 5 GHz WIFI	0.037	0.254	0.291	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n48 + Ant WF5B 5 GHz WIFI	0.037	0.254	0.291	18.39
Ant 3b LTE Band 106 + Ant 3a 2.4 GHz Bluetooth	Ant 2 NR Band n77 DoD + Ant WF5B 5 GHz WIFI	0.037	0.259	0.296	18.39

When the combination sum is less than the TER limit, no further evaluation is required.

E.4.23 Combination 23: AC1 (Ant 3b + Ant WF5T) and AC2 (Ant 2 + Ant 1a,1b)

E.4.23.1 Back Antenna Cluster Summation

Table E-331

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC1 Sum (ER)
Ant 3b NR Band n48	Ant WF5T NB U-NII 3	1.073 + 0.068	0.671 + 0.043	0.714
Ant 3b NR Band n77 DoD	Ant WF5T NB U-NII 3	1.170 + 0.068	0.731 + 0.043	0.774
Ant 3b LTE Band 12	Ant WF5T NB U-NII 3	1.181 + 0.068	0.738 + 0.043	0.781
Ant 3b LTE Band 13	Ant WF5T NB U-NII 3	1.192 + 0.068	0.745 + 0.043	0.788
Ant 3b LTE Band 14	Ant WF5T NB U-NII 3	1.192 + 0.068	0.745 + 0.043	0.788
Ant 3b NR Band n71	Ant WF5T NB U-NII 3	1.187 + 0.068	0.742 + 0.043	0.785
Ant 3b NR Band n5	Ant WF5T NB U-NII 3	1.182 + 0.068	0.739 + 0.043	0.782
Ant 3b LTE Band 106	Ant WF5T NB U-NII 3	1.176 + 0.068	0.735 + 0.043	0.778

Table E-332

Ant "a"	Ant "b"	a + b (W/kg)	a + b (ER)	AC2 Sum (ER)
Ant 2 LTE Band 66	Ant 1a 2.4 GHz WIFI	1.187 + 0.398	0.742 + 0.249	0.991
Ant 2 UMTS 1900	Ant 1a 2.4 GHz WIFI	0.867 + 0.398	0.542 + 0.249	0.791
Ant 2 LTE Band 30	Ant 1a 2.4 GHz WIFI	0.870 + 0.398	0.544 + 0.249	0.793
Ant 2 LTE Band 7	Ant 1a 2.4 GHz WIFI	1.172 + 0.398	0.733 + 0.249	0.982
Ant 2 LTE Band 41	Ant 1a 2.4 GHz WIFI	1.194 + 0.398	0.746 + 0.249	0.995
Ant 2 NR Band n48	Ant 1a 2.4 GHz WIFI	1.177 + 0.398	0.736 + 0.249	0.985
Ant 2 NR Band n77 DoD	Ant 1a 2.4 GHz WIFI	1.186 + 0.398	0.741 + 0.249	0.990

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E.4.23.2 Back Antenna Cluster 1 + 2 SPLSR

Table E-333

AC1	AC2	Standalone Values		Standalone ER Sum	Peak Separation Distance (mm)	SPLS Ratio
		Exposure Ratio 1	Exposure Ratio 2			
		a	b	$a + b$	D_{a-b}	$(a+b)^{1.5}/D_{a-b}$
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.714	0.991	1.705	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.714	0.791	1.505	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.714	0.793	1.507	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.714	0.982	1.696	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.714	0.995	1.709	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.714	0.985	1.699	120.73	0.02
Ant 3b NR Band n48 + Ant WF5T NB U-NII 3	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.714	0.990	1.704	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.774	0.991	1.765	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.774	0.791	1.565	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.774	0.793	1.567	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.774	0.982	1.756	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.774	0.995	1.769	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.774	0.985	1.759	120.73	0.02
Ant 3b NR Band n77 DoD + Ant WF5T NB U-NII 3	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.774	0.990	1.764	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.781	0.991	1.772	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.781	0.791	1.572	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.781	0.793	1.574	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.781	0.982	1.763	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.781	0.995	1.776	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.781	0.985	1.766	120.73	0.02
Ant 3b LTE Band 12 + Ant WF5T NB U-NII 3	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.781	0.990	1.771	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.788	0.991	1.779	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.788	0.791	1.579	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.788	0.793	1.581	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.788	0.982	1.770	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.788	0.995	1.783	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.788	0.985	1.773	120.73	0.02
Ant 3b LTE Band 13 + Ant WF5T NB U-NII 3	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.788	0.990	1.778	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.788	0.991	1.779	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.788	0.791	1.579	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.788	0.793	1.581	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.788	0.982	1.770	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.788	0.995	1.783	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 NR Band n48 + Ant 1a 2.4 GHz WIFI	0.788	0.985	1.773	120.73	0.02
Ant 3b LTE Band 14 + Ant WF5T NB U-NII 3	Ant 2 NR Band n77 DoD + Ant 1a 2.4 GHz WIFI	0.788	0.990	1.778	120.73	0.02
Ant 3b NR Band n71 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 66 + Ant 1a 2.4 GHz WIFI	0.785	0.991	1.776	120.73	0.02
Ant 3b NR Band n71 + Ant WF5T NB U-NII 3	Ant 2 UMTS 1900 + Ant 1a 2.4 GHz WIFI	0.785	0.791	1.576	120.73	0.02
Ant 3b NR Band n71 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 30 + Ant 1a 2.4 GHz WIFI	0.785	0.793	1.578	120.73	0.02
Ant 3b NR Band n71 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 7 + Ant 1a 2.4 GHz WIFI	0.785	0.982	1.767	120.73	0.02
Ant 3b NR Band n71 + Ant WF5T NB U-NII 3	Ant 2 LTE Band 41 + Ant 1a 2.4 GHz WIFI	0.785	0.995	1.780	120.73	0.02

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