

APPENDIX F: MULTI-TX AND ANTENNA SAR CONSIDERATIONS

F.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D04v01 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

F.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per FCC KDB Publication 447498 D04v01 4.3.2 and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1g SAR for all the simultaneous transmitting antennas in a specific physical test configuration is ≤ 1.6 W/kg. The different test positions in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1g or 10g SAR.

Note:

This device is enabled with the manufacturer's time-averaged method of Tx power control for cellular and connectivity radios (WiFi, Bluetooth, NB U-NII and 802.15.4). Co-located connectivity cellular and connectivity antennas with significant overlap of RF exposure hotspots are grouped into a single cluster. There are two pre-defined cellular antenna clusters (AC): AC1 (Ant 3 and Ant 4b), AC2 (Ant 1 and Ant 2b). Also, there are three pre-defined connectivity antenna clusters: AC3 (Ant 4a), AC4 (Ant 2a), and AC5 (Ant WF5B).

This device also supports a dynamic budget sharing algorithm. It enables separate budget caps for the power state 1 and power state 2 use conditions. In power state 1 operation, the cellular radio is active; in cellular simultaneous operation, other radios (i.e. connectivity antennas) are operational concurrently. Additionally, connectivity radios have two different budget conditions depending on the cellular budget caps. When the cellular budget is 1.0 W/kg, the connectivity budget is 0.6 W/kg. However, when the cellular budget is 1.2 W/kg, the connectivity budget is 0.4 W/kg. Both cellular and connectivity antenna budgets were evaluated for simultaneous scenarios compliance.

SAR Summations for some scenarios when the output power levels are reduced, SAR values at the maximum output power level was used as the most conservative evaluation for simultaneous transmission analysis.

When operating in the same antenna cluster, the compliance under dynamic transmission conditions, including all supported simultaneous transmission scenarios, should be assessed and demonstrated in the Time-Averaged SAR Validation FCC Licensed TAS and the FCC TAS Connectivity Validation Report during algorithm validation. This applies to multiple antennas in the same antenna cluster or different modes transmitting simultaneously in the same antenna cluster. For the evaluation of simultaneous transmission analysis in this report, the highest SAR value across all modes in the same antenna cluster was considered for summation and most conservative to determine simultaneous SAR test exclusions.

For each position, the highest SAR value across all modes for the applicable cellular band antenna was considered for summation to determine simultaneous SAR test exclusion.

******The SAR distributions for at least one of the antennas are spatially separated from the other antennas per FCC KDB Publication 248227 Section 6.1 procedures. Therefore, simultaneous transmission were treated independently for this configuration. See section E.4 for more information about the Spatial Separation Analysis

In some cases where simultaneous transmission scenarios overlap with the same power level (for example, cellular band + 2.4 GHz WIFI SISO and cellular band + 2.4 GHz WIFI MIMO), the most conservative SAR summation scenario was evaluated.

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Body SAR Simultaneous Transmission Analysis

Table F-1

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.699	0.058	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.026	0.000	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.013	0.285	0.043	0.000	0.391	0.358
	Right	0.737	0.042	0.002	0.000	0.655	0.533	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.244	0.063	0.000	0.018	0.000	0.308	0.325

Table F-2

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.002	0.000	0.713	0.000	0.739*	0.757

Table F-3

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.699	0.058	0.000	0.699*	0.994*
	Top	0.625	0.625	0.206	0.104	0.026	0.000	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.013	0.285	0.043	0.000	0.388	0.356
	Right	0.625	0.038	0.002	0.000	0.655	0.533	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.351	0.091	0.000	0.018	0.000	0.407	0.425

Table F-4

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.002	0.000	0.713	0.000	0.713*	0.753

Table F-5

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.250	0.058	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.026	0.000	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.013	0.100	0.043	0.000	0.911	0.911
	Right	0.054	0.071	0.002	0.000	0.181	0.533	0.000	0.770	0.787
	Left	0.737	0.031	0.726	0.178	0.000	0.018	0.000	0.755*	0.775

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Table F-6

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.373	0.058	0.000	0.746*	0.867*
	Top	0.044	0.013	0.341	0.226	0.000	0.000	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.013	0.145	0.043	0.000	0.835	0.835
	Right	0.044	0.063	0.002	0.000	0.274	0.533	0.000	0.853	0.872
	Left	0.625	0.025	0.726	0.178	0.000	0.018	0.000	0.726*	0.769

Table F-7

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.699	0.020	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.026	0.000	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.011	0.285	0.007	0.000	0.355	0.322
	Right	0.737	0.042	0.002	0.000	0.655	0.199	0.000	0.854*	0.898
	Left	0.046	0.063	0.244	0.113	0.000	0.011	0.000	0.301	0.318

Table F-8

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.699	0.020	0.000	0.699*	0.981*
	Top	0.625	0.625	0.206	0.104	0.026	0.000	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.011	0.285	0.007	0.000	0.352	0.320
	Right	0.625	0.038	0.002	0.000	0.655	0.199	0.000	0.854*	0.894
	Left	0.038	0.056	0.351	0.131	0.000	0.011	0.000	0.400	0.418

Table F-9

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.250	0.020	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.026	0.000	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.011	0.100	0.007	0.000	0.875	0.875
	Right	0.054	0.071	0.002	0.000	0.181	0.199	0.000	0.436	0.453
	Left	0.737	0.031	0.726	0.131	0.000	0.011	0.000	0.748*	0.768

Table F-10

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.373	0.020	0.000	0.746*	0.867*
	Top	0.044	0.013	0.341	0.104	0.026	0.000	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.011	0.145	0.007	0.000	0.799	0.799
	Right	0.044	0.063	0.002	0.000	0.274	0.199	0.000	0.519	0.538
	Left	0.625	0.025	0.726	0.131	0.000	0.011	0.000	0.726*	0.762

Table F-11

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.699	0.739	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.026	0.006	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.013	0.285	0.164	0.000	0.348	0.315
	Right	0.737	0.042	0.002	0.000	0.655	0.204	0.000	0.739*	0.699
	Left	0.046	0.063	0.244	0.063	0.000	0.003	0.000	0.293	0.310

Table F-12

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.699	0.739	0.000	0.739*	0.994*
	Top	0.625	0.625	0.206	0.104	0.026	0.006	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.013	0.285	0.164	0.000	0.345	0.313
	Right	0.625	0.038	0.002	0.000	0.655	0.204	0.000	0.655*	0.695
	Left	0.038	0.056	0.351	0.091	0.000	0.003	0.000	0.392	0.410

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Table F-13

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.250	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.026	0.006	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.013	0.100	0.063	0.000	0.868	0.868
	Right	0.054	0.071	0.002	0.000	0.181	0.081	0.000	0.237	0.254
	Left	0.737	0.031	0.726	0.178	0.000	0.003	0.000	0.740*	0.760

Table F-14

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 5 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.373	0.374	0.000	0.746*	0.868*
	Top	0.044	0.013	0.341	0.226	0.026	0.006	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.013	0.145	0.093	0.000	0.792	0.792
	Right	0.044	0.063	0.002	0.000	0.274	0.124	0.000	0.320	0.339
	Left	0.625	0.025	0.726	0.178	0.000	0.003	0.000	0.726*	0.754

Table F-15

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.699	0.217	0.000	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.026	0.004	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.011	0.285	0.076	0.000	0.348	0.315
	Right	0.737	0.042	0.002	0.000	0.655	0.049	0.000	0.739*	0.699
	Left	0.046	0.063	0.244	0.113	0.000	0.001	0.000	0.291	0.308

Table F-16

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.699	0.217	0.000	0.699*	0.981*
	Top	0.625	0.625	0.206	0.104	0.026	0.004	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.011	0.285	0.076	0.000	0.345	0.313
	Right	0.625	0.038	0.002	0.000	0.655	0.049	0.000	0.655*	0.695
	Left	0.038	0.056	0.351	0.131	0.000	0.001	0.000	0.390	0.408

Table F-17

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.250	0.217	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.026	0.004	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.011	0.100	0.076	0.000	0.868	0.868
	Right	0.054	0.071	0.002	0.000	0.181	0.049	0.000	0.237	0.254
	Left	0.737	0.031	0.726	0.131	0.000	0.001	0.000	0.738*	0.758

Table F-18

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and 6 GHz WIFI MIMO

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.373	0.217	0.000	0.746*	0.867*
	Top	0.044	0.013	0.341	0.104	0.026	0.004	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.011	0.145	0.076	0.000	0.792	0.792
	Right	0.044	0.063	0.002	0.000	0.274	0.049	0.000	0.320	0.339
	Left	0.625	0.025	0.726	0.131	0.000	0.001	0.000	0.726*	0.752

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Table F-19

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.390	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.119	0.075	0.011	0.000	0.000	0.871	0.874
	Bottom	0.041	0.008	0.011	0.022	0.145	0.016	0.000	0.224	0.191
	Right	0.737	0.042	0.001	0.002	0.294	0.398	0.000	0.739*	0.736
	Left	0.046	0.063	0.206	0.056	0.000	0.008	0.000	0.260	0.277

Table F-20

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.369	0.344	0.390	0.056	0.000	0.625*	0.994*
	Top	0.625	0.625	0.173	0.105	0.011	0.000	0.000	0.809	0.809
	Bottom	0.038	0.006	0.011	0.022	0.145	0.016	0.000	0.221	0.189
	Right	0.625	0.038	0.001	0.002	0.294	0.398	0.000	0.692*	0.732
	Left	0.038	0.056	0.303	0.070	0.000	0.008	0.000	0.349	0.367

Table F-21

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.414	0.604	0.250	0.056	0.000	0.740*	0.836*
	Top	0.050	0.013	0.194	0.214	0.011	0.000	0.000	0.275	0.238
	Bottom	0.746	0.746	0.011	0.022	0.094	0.016	0.000	0.878	0.878
	Right	0.054	0.071	0.001	0.002	0.188	0.398	0.000	0.642	0.659
	Left	0.737	0.031	0.339	0.091	0.000	0.008	0.000	0.745*	0.378

Table F-22

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.414	0.604	0.369	0.056	0.000	0.625*	0.863*
	Top	0.044	0.013	0.194	0.214	0.011	0.000	0.000	0.269	0.238
	Bottom	0.625	0.625	0.011	0.022	0.137	0.016	0.000	0.800	0.800
	Right	0.044	0.063	0.001	0.002	0.278	0.398	0.000	0.722	0.741
	Left	0.625	0.025	0.339	0.091	0.000	0.008	0.000	0.972	0.372

Table F-23

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.390	0.733	0.000	0.745*	0.900*
	Top	0.741	0.744	0.119	0.075	0.011	0.004	0.000	0.871	0.874
	Bottom	0.041	0.008	0.011	0.022	0.145	0.173	0.000	0.236	0.203
	Right	0.737	0.042	0.001	0.002	0.294	0.099	0.000	0.739*	0.338
	Left	0.046	0.063	0.206	0.056	0.000	0.000	0.000	0.252	0.269

Table F-24

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.369	0.344	0.390	0.733	0.000	0.733*	0.994*
	Top	0.625	0.625	0.173	0.105	0.011	0.004	0.000	0.809	0.809
	Bottom	0.038	0.006	0.011	0.022	0.145	0.173	0.000	0.233	0.201
	Right	0.625	0.038	0.001	0.002	0.294	0.099	0.000	0.921	0.334
	Left	0.038	0.056	0.303	0.070	0.000	0.000	0.000	0.341	0.359

Table F-25

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.414	0.604	0.250	0.250	0.000	0.740*	0.836*
	Top	0.050	0.013	0.194	0.214	0.011	0.004	0.000	0.275	0.238
	Bottom	0.746	0.746	0.011	0.022	0.094	0.056	0.000	0.862	0.862
	Right	0.054	0.071	0.001	0.002	0.188	0.056	0.000	0.244	0.261
	Left	0.737	0.031	0.339	0.091	0.000	0.000	0.000	0.737*	0.370

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Table F-26

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.414	0.604	0.369	0.320	0.000	0.625*	0.863*
	Top	0.044	0.013	0.194	0.214	0.011	0.004	0.000	0.269	0.238
	Bottom	0.625	0.625	0.011	0.022	0.137	0.076	0.000	0.784	0.784
	Right	0.044	0.063	0.001	0.002	0.278	0.056	0.000	0.324	0.343
	Left	0.625	0.025	0.339	0.091	0.000	0.000	0.000	0.964	0.364

Table F-27

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.699	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.026	0.000	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.022	0.285	0.016	0.000	0.364	0.331
	Right	0.737	0.042	0.002	0.002	0.655	0.398	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.244	0.056	0.000	0.008	0.000	0.298	0.315

Table F-28

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.002	0.002	0.675	0.000	0.739*	0.719

Table F-29

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.699	0.056	0.000	0.699*	0.981*
	Top	0.625	0.625	0.206	0.105	0.026	0.000	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.022	0.285	0.016	0.000	0.361	0.329
	Right	0.625	0.038	0.002	0.002	0.655	0.398	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.351	0.070	0.000	0.008	0.000	0.397	0.415

Table F-30

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.002	0.002	0.675	0.000	0.675*	0.715

Table F-31

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.056	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.026	0.000	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.022	0.100	0.016	0.000	0.884	0.884
	Right	0.054	0.071	0.002	0.002	0.181	0.398	0.000	0.635	0.652
	Left	0.737	0.031	0.726	0.091	0.000	0.008	0.000	0.745*	0.765

Table F-32

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.373	0.056	0.000	0.746*	0.867*
	Top	0.044	0.013	0.341	0.214	0.026	0.000	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.022	0.145	0.016	0.000	0.808	0.808
	Right	0.044	0.063	0.002	0.002	0.274	0.398	0.000	0.718	0.737
	Left	0.625	0.025	0.726	0.091	0.000	0.008	0.000	0.726*	0.759

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Table F-33

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.699	0.733	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.026	0.004	0.000	0.911	0.914
	Bottom	0.041	0.008	0.022	0.022	0.285	0.173	0.000	0.348	0.315
	Right	0.737	0.042	0.002	0.002	0.655	0.099	0.000	0.739*	0.699
	Left	0.046	0.063	0.244	0.056	0.000	0.000	0.000	0.290	0.307

Table F-34

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.699	0.733	0.000	0.733*	0.981*
	Top	0.625	0.625	0.206	0.105	0.026	0.004	0.000	0.857	0.857
	Bottom	0.038	0.006	0.022	0.022	0.285	0.173	0.000	0.345	0.313
	Right	0.625	0.038	0.002	0.002	0.655	0.099	0.000	0.655*	0.695
	Left	0.038	0.056	0.351	0.070	0.000	0.000	0.000	0.389	0.407

Table F-35

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.026	0.004	0.000	0.417	0.380
	Bottom	0.746	0.746	0.022	0.022	0.100	0.056	0.000	0.868	0.868
	Right	0.054	0.071	0.002	0.002	0.181	0.056	0.000	0.237	0.254
	Left	0.737	0.031	0.726	0.091	0.000	0.000	0.000	0.737*	0.757

Table F-36

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.373	0.320	0.000	0.746*	0.867*
	Top	0.044	0.013	0.341	0.214	0.026	0.004	0.000	0.411	0.380
	Bottom	0.625	0.625	0.022	0.022	0.145	0.076	0.000	0.792	0.792
	Right	0.044	0.063	0.002	0.002	0.274	0.056	0.000	0.320	0.339
	Left	0.625	0.025	0.726	0.091	0.000	0.000	0.000	0.726*	0.751

Table F-37

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.058	0.250	0.250	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.000	0.069	0.119	0.011	0.000	0.871	0.874
	Bottom	0.041	0.008	0.043	0.013	0.011	0.145	0.000	0.242	0.209
	Right	0.737	0.042	0.533	0.000	0.001	0.294	0.000	0.827*	0.870
	Left	0.046	0.063	0.018	0.063	0.206	0.000	0.000	0.270	0.287

Table F-38

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.058	0.369	0.369	0.390	0.000	0.625*	0.994*
	Top	0.625	0.625	0.000	0.104	0.173	0.011	0.000	0.809	0.809
	Bottom	0.038	0.006	0.043	0.013	0.011	0.145	0.000	0.239	0.207
	Right	0.625	0.038	0.533	0.000	0.001	0.294	0.000	0.827*	0.866
	Left	0.038	0.056	0.018	0.091	0.303	0.000	0.000	0.359	0.377

Table F-39

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.058	0.734	0.414	0.250	0.000	0.740*	0.836*
	Top	0.050	0.013	0.000	0.226	0.194	0.011	0.000	0.287	0.250
	Bottom	0.746	0.746	0.043	0.013	0.011	0.094	0.000	0.896	0.896
	Right	0.054	0.071	0.533	0.000	0.001	0.188	0.000	0.776	0.793
	Left	0.737	0.031	0.018	0.178	0.339	0.000	0.000	0.755*	0.388

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Table F-40

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.058	0.734	0.414	0.369	0.000	0.734*	0.863*
	Top	0.044	0.013	0.000	0.226	0.194	0.011	0.000	0.281	0.250
	Bottom	0.625	0.625	0.043	0.013	0.011	0.137	0.000	0.818	0.818
	Right	0.044	0.063	0.533	0.000	0.001	0.278	0.000	0.856	0.875
	Left	0.625	0.025	0.018	0.178	0.339	0.000	0.000	0.982	0.382

Table F-41

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.020	0.250	0.250	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.000	0.094	0.119	0.011	0.000	0.871	0.874
	Bottom	0.041	0.008	0.007	0.011	0.011	0.145	0.000	0.204	0.171
	Right	0.737	0.042	0.199	0.000	0.001	0.294	0.000	0.738*	0.536
	Left	0.046	0.063	0.011	0.113	0.206	0.000	0.000	0.263	0.280

Table F-42

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.020	0.287	0.369	0.390	0.000	0.625*	0.994*
	Top	0.625	0.625	0.000	0.104	0.173	0.011	0.000	0.809	0.809
	Bottom	0.038	0.006	0.007	0.011	0.011	0.145	0.000	0.201	0.169
	Right	0.625	0.038	0.199	0.000	0.001	0.294	0.000	0.626*	0.532
	Left	0.038	0.056	0.011	0.131	0.303	0.000	0.000	0.352	0.370

Table F-43

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.020	0.287	0.414	0.250	0.000	0.740*	0.836*
	Top	0.050	0.013	0.000	0.104	0.194	0.011	0.000	0.255	0.218
	Bottom	0.746	0.746	0.007	0.011	0.011	0.094	0.000	0.858	0.858
	Right	0.054	0.071	0.199	0.000	0.001	0.188	0.000	0.442	0.459
	Left	0.737	0.031	0.011	0.131	0.339	0.000	0.000	0.748*	0.381

Table F-44

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.020	0.287	0.414	0.369	0.000	0.625*	0.863*
	Top	0.044	0.013	0.000	0.104	0.194	0.011	0.000	0.249	0.218
	Bottom	0.625	0.625	0.007	0.011	0.011	0.137	0.000	0.780	0.780
	Right	0.044	0.063	0.199	0.000	0.001	0.278	0.000	0.522	0.541
	Left	0.625	0.025	0.011	0.131	0.339	0.000	0.000	0.975	0.375

Table F-45

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.739	0.390	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.006	0.011	0.069	0.119	0.000	0.871	0.874
	Bottom	0.041	0.008	0.164	0.145	0.013	0.011	0.000	0.218	0.185
	Right	0.737	0.042	0.294	0.294	0.000	0.001	0.000	0.738*	0.337
	Left	0.046	0.063	0.003	0.000	0.063	0.206	0.000	0.255	0.272

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Table F-46

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.739	0.390	0.369	0.369	0.000	0.739*	0.994*
	Top	0.625	0.625	0.006	0.011	0.104	0.173	0.000	0.809	0.809
	Bottom	0.038	0.006	0.164	0.145	0.013	0.011	0.000	0.215	0.183
	Right	0.625	0.038	0.204	0.294	0.000	0.001	0.000	0.920	0.333
	Left	0.038	0.056	0.003	0.000	0.091	0.303	0.000	0.344	0.362

Table F-47

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b Reduced to 0.625 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.250	0.734	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.006	0.011	0.226	0.194	0.000	0.287	0.250
	Bottom	0.746	0.746	0.063	0.094	0.013	0.011	0.000	0.853	0.853
	Right	0.054	0.071	0.081	0.188	0.000	0.001	0.000	0.243	0.260
	Left	0.737	0.031	0.003	0.000	0.178	0.339	0.000	0.740*	0.373

Table F-48

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.374	0.369	0.734	0.414	0.000	0.734*	0.868*
	Top	0.044	0.013	0.006	0.011	0.226	0.194	0.000	0.281	0.250
	Bottom	0.625	0.625	0.093	0.137	0.013	0.011	0.000	0.775	0.775
	Right	0.044	0.063	0.124	0.278	0.000	0.001	0.000	0.323	0.342
	Left	0.625	0.025	0.003	0.000	0.178	0.339	0.000	0.967	0.367

Table F-49

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.217	0.390	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.004	0.011	0.094	0.119	0.000	0.871	0.874
	Bottom	0.041	0.008	0.076	0.145	0.011	0.011	0.000	0.197	0.164
	Right	0.737	0.042	0.049	0.294	0.000	0.001	0.000	0.738*	0.337
	Left	0.046	0.063	0.001	0.000	0.113	0.206	0.000	0.253	0.270

Table F-50

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.217	0.390	0.287	0.369	0.000	0.625*	0.994*
	Top	0.625	0.625	0.004	0.011	0.104	0.173	0.000	0.809	0.809
	Bottom	0.038	0.006	0.076	0.145	0.011	0.011	0.000	0.194	0.162
	Right	0.625	0.038	0.049	0.294	0.000	0.001	0.000	0.920	0.333
	Left	0.038	0.056	0.001	0.000	0.131	0.303	0.000	0.342	0.360

Table F-51

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.217	0.250	0.287	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.004	0.011	0.104	0.194	0.000	0.255	0.218
	Bottom	0.746	0.746	0.076	0.094	0.011	0.011	0.000	0.851	0.851
	Right	0.054	0.071	0.049	0.188	0.000	0.001	0.000	0.243	0.260
	Left	0.737	0.031	0.001	0.000	0.131	0.339	0.000	0.738*	0.371

Table F-52

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and 2.4 GHz Bluetooth TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.217	0.369	0.287	0.414	0.000	0.625*	0.863*
	Top	0.044	0.013	0.004	0.011	0.104	0.194	0.000	0.249	0.218
	Bottom	0.625	0.625	0.076	0.137	0.011	0.011	0.000	0.773	0.773
	Right	0.044	0.063	0.049	0.278	0.000	0.001	0.000	0.323	0.342
	Left	0.625	0.025	0.001	0.000	0.131	0.339	0.000	0.965	0.365

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Table F-53
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.058	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.000	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.013	0.043	0.145	0.000	0.251	0.218
	Right	0.737	0.042	0.002	0.000	0.533	0.294	0.000	0.827*	0.871
	Left	0.046	0.063	0.244	0.063	0.018	0.000	0.000	0.308	0.325

Table F-54
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.058	0.390	0.000	0.625*	0.994*
	Top	0.625	0.625	0.206	0.104	0.000	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.013	0.043	0.145	0.000	0.248	0.216
	Right	0.625	0.038	0.002	0.000	0.533	0.294	0.000	0.827*	0.867
	Left	0.038	0.056	0.351	0.091	0.018	0.000	0.000	0.407	0.425

Table F-55
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.058	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.000	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.013	0.043	0.094	0.000	0.905	0.905
	Right	0.054	0.071	0.002	0.000	0.533	0.188	0.000	0.777	0.794
	Left	0.737	0.031	0.726	0.178	0.018	0.000	0.000	0.755*	0.775

Table F-56
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.058	0.369	0.000	0.746*	0.863*
	Top	0.044	0.013	0.341	0.226	0.000	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.013	0.043	0.137	0.000	0.827	0.827
	Right	0.044	0.063	0.002	0.000	0.533	0.278	0.000	0.857	0.876
	Left	0.625	0.025	0.726	0.178	0.018	0.000	0.000	0.726*	0.769

Table F-57
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.020	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.000	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.011	0.007	0.145	0.000	0.215	0.182
	Right	0.737	0.042	0.002	0.000	0.199	0.294	0.000	0.739*	0.537
	Left	0.046	0.063	0.244	0.113	0.011	0.000	0.000	0.301	0.318

Table F-58
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.020	0.390	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.104	0.000	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.011	0.007	0.145	0.000	0.212	0.180
	Right	0.625	0.038	0.002	0.000	0.199	0.294	0.000	0.827*	0.533
	Left	0.038	0.056	0.351	0.131	0.011	0.000	0.000	0.400	0.418

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Table F-59
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WFSB ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.020	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.000	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.011	0.007	0.094	0.000	0.869	0.869
	Right	0.054	0.071	0.002	0.000	0.199	0.188	0.000	0.443	0.460
	Left	0.737	0.031	0.726	0.131	0.011	0.000	0.000	0.748*	0.768

Table F-60
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WFSB ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.020	0.369	0.000	0.746*	0.863*
	Top	0.044	0.013	0.341	0.104	0.000	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.011	0.007	0.137	0.000	0.791	0.791
	Right	0.044	0.063	0.002	0.000	0.199	0.278	0.000	0.523	0.542
	Left	0.625	0.025	0.726	0.131	0.011	0.000	0.000	0.726*	0.762

Table F-61
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.739	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.006	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.013	0.164	0.145	0.000	0.227	0.194
	Right	0.737	0.042	0.002	0.000	0.204	0.294	0.000	0.739*	0.338
	Left	0.046	0.063	0.244	0.063	0.003	0.000	0.000	0.293	0.310

Table F-62
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.739	0.390	0.000	0.739*	0.994*
	Top	0.625	0.625	0.206	0.104	0.006	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.013	0.164	0.145	0.000	0.224	0.192
	Right	0.625	0.038	0.002	0.000	0.204	0.294	0.000	0.921	0.334
	Left	0.038	0.056	0.351	0.091	0.003	0.000	0.000	0.392	0.410

Table F-63
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.250	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.006	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.013	0.063	0.094	0.000	0.862	0.862
	Right	0.054	0.071	0.002	0.000	0.081	0.188	0.000	0.244	0.261
	Left	0.737	0.031	0.726	0.178	0.003	0.000	0.000	0.740*	0.760

Table F-64
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.374	0.369	0.000	0.746*	0.868*
	Top	0.044	0.013	0.341	0.226	0.006	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.013	0.093	0.137	0.000	0.784	0.784
	Right	0.044	0.063	0.002	0.000	0.124	0.278	0.000	0.324	0.343
	Left	0.625	0.025	0.726	0.178	0.003	0.000	0.000	0.726*	0.754

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Table F-65
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.217	0.390	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.004	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.011	0.076	0.145	0.000	0.208	0.175
	Right	0.737	0.042	0.002	0.000	0.049	0.294	0.000	0.739*	0.338
	Left	0.046	0.063	0.244	0.113	0.001	0.000	0.000	0.291	0.308

Table F-66
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.217	0.390	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.104	0.004	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.011	0.076	0.145	0.000	0.205	0.173
	Right	0.625	0.038	0.002	0.000	0.049	0.294	0.000	0.921	0.334
	Left	0.038	0.056	0.351	0.131	0.001	0.000	0.000	0.390	0.408

Table F-67
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.217	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.004	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.011	0.076	0.094	0.000	0.862	0.862
	Right	0.054	0.071	0.002	0.000	0.049	0.188	0.000	0.244	0.261
	Left	0.737	0.031	0.726	0.131	0.001	0.000	0.000	0.738*	0.758

Table F-68
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.217	0.369	0.000	0.746*	0.863*
	Top	0.044	0.013	0.341	0.104	0.004	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.011	0.076	0.137	0.000	0.784	0.784
	Right	0.044	0.063	0.002	0.000	0.049	0.278	0.000	0.324	0.343
	Left	0.625	0.025	0.726	0.131	0.001	0.000	0.000	0.726*	0.752

Table F-69
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.058	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.000	0.069	0.119	0.000	0.886	0.889
	Bottom	0.041	0.008	0.285	0.043	0.013	0.011	0.000	0.382	0.349
	Right	0.737	0.042	0.655	0.533	0.000	0.001	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.000	0.018	0.063	0.206	0.000	0.270	0.287

Table F-70
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.713	0.000	0.001	0.000	0.738*	0.756

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Table F-71
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.058	0.369	0.369	0.000	0.699*	0.994*
	Top	0.625	0.625	0.026	0.000	0.104	0.173	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.043	0.013	0.011	0.000	0.379	0.347
	Right	0.625	0.038	0.655	0.533	0.000	0.001	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.000	0.018	0.091	0.303	0.000	0.359	0.377

Table F-72
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.713	0.000	0.001	0.000	0.713*	0.752

Table F-73
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.058	0.734	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.000	0.226	0.194	0.000	0.302	0.265
	Bottom	0.746	0.746	0.100	0.043	0.013	0.011	0.000	0.902	0.902
	Right	0.054	0.071	0.181	0.533	0.000	0.001	0.000	0.769	0.786
	Left	0.737	0.031	0.000	0.018	0.178	0.339	0.000	0.755*	0.388

Table F-74
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.058	0.734	0.414	0.000	0.734*	0.867*
	Top	0.044	0.013	0.026	0.000	0.226	0.194	0.000	0.296	0.265
	Bottom	0.625	0.625	0.145	0.043	0.013	0.011	0.000	0.826	0.826
	Right	0.044	0.063	0.274	0.533	0.000	0.001	0.000	0.852	0.871
	Left	0.625	0.025	0.000	0.018	0.178	0.339	0.000	0.982	0.382

Table F-75
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.020	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.000	0.094	0.119	0.000	0.886	0.889
	Bottom	0.041	0.008	0.285	0.007	0.011	0.011	0.000	0.344	0.311
	Right	0.737	0.042	0.655	0.199	0.000	0.001	0.000	0.854*	0.897
	Left	0.046	0.063	0.000	0.011	0.113	0.206	0.000	0.263	0.280

Table F-76
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.020	0.287	0.369	0.000	0.699*	0.994*
	Top	0.625	0.625	0.026	0.000	0.104	0.173	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.007	0.011	0.011	0.000	0.341	0.309
	Right	0.625	0.038	0.655	0.199	0.000	0.001	0.000	0.854*	0.893
	Left	0.038	0.056	0.000	0.011	0.131	0.303	0.000	0.352	0.370

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Table F-77
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.020	0.287	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.000	0.104	0.194	0.000	0.270	0.233
	Bottom	0.746	0.746	0.100	0.007	0.011	0.011	0.000	0.864	0.864
	Right	0.054	0.071	0.181	0.199	0.000	0.001	0.000	0.435	0.452
	Left	0.737	0.031	0.000	0.011	0.131	0.339	0.000	0.748*	0.381

Table F-78
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.020	0.287	0.414	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.000	0.104	0.194	0.000	0.264	0.233
	Bottom	0.625	0.625	0.145	0.007	0.011	0.011	0.000	0.788	0.788
	Right	0.044	0.063	0.274	0.199	0.000	0.001	0.000	0.518	0.537
	Left	0.625	0.025	0.000	0.011	0.131	0.339	0.000	0.975	0.375

Table F-79
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.739	0.250	0.000	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.006	0.069	0.119	0.000	0.886	0.889
	Bottom	0.041	0.008	0.285	0.164	0.013	0.011	0.000	0.339	0.306
	Right	0.737	0.042	0.655	0.204	0.000	0.001	0.000	0.738*	0.698
	Left	0.046	0.063	0.000	0.003	0.063	0.206	0.000	0.255	0.272

Table F-80
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.739	0.369	0.369	0.000	0.739*	0.994*
	Top	0.625	0.625	0.026	0.006	0.104	0.173	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.164	0.013	0.011	0.000	0.336	0.304
	Right	0.625	0.038	0.655	0.204	0.000	0.001	0.000	0.655*	0.694
	Left	0.038	0.056	0.000	0.003	0.091	0.303	0.000	0.344	0.362

Table F-81
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.250	0.734	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.006	0.226	0.194	0.000	0.302	0.265
	Bottom	0.746	0.746	0.100	0.063	0.013	0.011	0.000	0.859	0.859
	Right	0.054	0.071	0.181	0.081	0.000	0.001	0.000	0.236	0.253
	Left	0.737	0.031	0.000	0.003	0.178	0.339	0.000	0.740*	0.373

Table F-82
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.374	0.734	0.414	0.000	0.734*	0.868*
	Top	0.044	0.013	0.026	0.006	0.226	0.194	0.000	0.296	0.265
	Bottom	0.625	0.625	0.145	0.093	0.013	0.011	0.000	0.783	0.783
	Right	0.044	0.063	0.274	0.124	0.000	0.001	0.000	0.319	0.338
	Left	0.625	0.025	0.000	0.003	0.178	0.339	0.000	0.967	0.367

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Table F-83
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.217	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.004	0.094	0.119	0.000	0.886	0.886
	Bottom	0.041	0.008	0.285	0.076	0.011	0.011	0.000	0.337	0.304
	Right	0.737	0.042	0.655	0.049	0.000	0.001	0.000	0.738*	0.698
	Left	0.046	0.063	0.000	0.001	0.113	0.206	0.000	0.253	0.270

Table F-84
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.217	0.287	0.369	0.000	0.699*	0.994*
	Top	0.625	0.625	0.026	0.004	0.104	0.173	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.076	0.011	0.011	0.000	0.334	0.302
	Right	0.625	0.038	0.655	0.049	0.000	0.001	0.000	0.655*	0.694
	Left	0.038	0.056	0.000	0.001	0.131	0.303	0.000	0.342	0.360

Table F-85
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.217	0.287	0.414	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.004	0.104	0.194	0.000	0.270	0.233
	Bottom	0.746	0.746	0.100	0.076	0.011	0.011	0.000	0.857	0.857
	Right	0.054	0.071	0.181	0.049	0.000	0.001	0.000	0.236	0.253
	Left	0.737	0.031	0.000	0.001	0.131	0.339	0.000	0.738*	0.371

Table F-86
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.217	0.287	0.414	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.004	0.104	0.194	0.000	0.264	0.233
	Bottom	0.625	0.625	0.145	0.076	0.011	0.011	0.000	0.781	0.781
	Right	0.044	0.063	0.274	0.049	0.000	0.001	0.000	0.319	0.338
	Left	0.625	0.025	0.000	0.001	0.131	0.339	0.000	0.965	0.365

Table F-87
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII Tx BF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.390	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.011	0.000	0.000	0.896	0.896
	Bottom	0.041	0.008	0.022	0.022	0.145	0.016	0.000	0.224	0.191
	Right	0.737	0.042	0.002	0.002	0.294	0.398	0.000	0.739*	0.736
	Left	0.046	0.063	0.244	0.056	0.000	0.008	0.000	0.298	0.315

Table F-88
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII Tx BF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.390	0.056	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.105	0.011	0.000	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.022	0.145	0.016	0.000	0.221	0.189
	Right	0.625	0.038	0.002	0.002	0.294	0.398	0.000	0.692*	0.732
	Left	0.038	0.056	0.351	0.070	0.000	0.008	0.000	0.397	0.415

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Table F-89
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.056	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.011	0.000	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.022	0.094	0.016	0.000	0.878	0.878
	Right	0.054	0.071	0.002	0.002	0.188	0.398	0.000	0.642	0.659
	Left	0.737	0.031	0.726	0.091	0.000	0.008	0.000	0.745*	0.765

Table F-90
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.369	0.056	0.000	0.746*	0.863*
	Top	0.044	0.013	0.341	0.214	0.011	0.000	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.022	0.137	0.016	0.000	0.800	0.800
	Right	0.044	0.063	0.002	0.002	0.278	0.398	0.000	0.722	0.741
	Left	0.625	0.025	0.726	0.091	0.000	0.008	0.000	0.726*	0.759

Table F-91
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.390	0.733	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.011	0.004	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.022	0.145	0.173	0.000	0.236	0.203
	Right	0.737	0.042	0.002	0.002	0.294	0.099	0.000	0.739*	0.338
	Left	0.046	0.063	0.244	0.056	0.000	0.000	0.000	0.290	0.307

Table F-92
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.390	0.733	0.000	0.733*	0.981*
	Top	0.625	0.625	0.206	0.105	0.011	0.004	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.022	0.145	0.173	0.000	0.233	0.201
	Right	0.625	0.038	0.002	0.002	0.294	0.099	0.000	0.921	0.334
	Left	0.038	0.056	0.351	0.070	0.000	0.000	0.000	0.389	0.407

Table F-93
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.011	0.004	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.022	0.094	0.056	0.000	0.862	0.862
	Right	0.054	0.071	0.002	0.002	0.188	0.056	0.000	0.244	0.261
	Left	0.737	0.031	0.726	0.091	0.000	0.000	0.000	0.737*	0.757

Table F-94
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.369	0.320	0.000	0.746*	0.863*
	Top	0.044	0.013	0.341	0.214	0.011	0.004	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.022	0.137	0.076	0.000	0.784	0.784
	Right	0.044	0.063	0.002	0.002	0.278	0.056	0.000	0.324	0.343
	Left	0.625	0.025	0.726	0.091	0.000	0.000	0.000	0.726*	0.751

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Table F-95

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.250	0.250	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.119	0.075	0.000	0.000	0.886	0.889
	Bottom	0.041	0.008	0.285	0.011	0.022	0.016	0.000	0.364	0.331
	Right	0.737	0.042	0.655	0.001	0.002	0.398	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.000	0.206	0.056	0.008	0.000	0.260	0.277

TxBF

Table F-96

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.675	0.001	0.002	0.000	0.739*	0.719

Table F-97

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.369	0.344	0.056	0.000	0.699*	0.994*
	Top	0.625	0.625	0.026	0.173	0.105	0.000	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.011	0.022	0.016	0.000	0.361	0.329
	Right	0.625	0.038	0.655	0.001	0.002	0.398	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.000	0.303	0.070	0.008	0.000	0.349	0.367

TxBF

Table F-98

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b + NB U-NII Ant WF5B ER	2.4 GHz WIFI Ant 2a Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.675	0.001	0.002	0.000	0.675*	0.715

Table F-99

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.414	0.604	0.056	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.194	0.214	0.000	0.000	0.290	0.253
	Bottom	0.746	0.746	0.100	0.011	0.022	0.016	0.000	0.884	0.884
	Right	0.054	0.071	0.181	0.001	0.002	0.398	0.000	0.635	0.652
	Left	0.737	0.031	0.000	0.339	0.091	0.008	0.000	0.745*	0.378

TxBF

Table F-100

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.414	0.604	0.056	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.194	0.214	0.000	0.000	0.284	0.253
	Bottom	0.625	0.625	0.145	0.011	0.022	0.016	0.000	0.808	0.808
	Right	0.044	0.063	0.274	0.001	0.002	0.398	0.000	0.718	0.737
	Left	0.625	0.025	0.000	0.339	0.091	0.008	0.000	0.972	0.372

TxBF

Table F-101

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.733	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.004	0.119	0.075	0.000	0.886	0.889
	Bottom	0.041	0.008	0.285	0.173	0.011	0.022	0.000	0.348	0.315
	Right	0.737	0.042	0.655	0.099	0.001	0.002	0.000	0.739*	0.699
	Left	0.046	0.063	0.000	0.000	0.206	0.056	0.000	0.252	0.269

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Table F-102
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.733	0.369	0.344	0.000	0.733*	0.994*
	Top	0.625	0.625	0.026	0.004	0.173	0.105	0.000	0.824	0.824
	Bottom	0.038	0.006	0.285	0.173	0.011	0.022	0.000	0.345	0.313
	Right	0.625	0.038	0.655	0.099	0.001	0.002	0.000	0.655*	0.695
	Left	0.038	0.056	0.000	0.000	0.303	0.070	0.000	0.341	0.359

Table F-103
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.250	0.414	0.604	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.004	0.194	0.214	0.000	0.290	0.253
	Bottom	0.746	0.746	0.100	0.056	0.011	0.022	0.000	0.868	0.868
	Right	0.054	0.071	0.181	0.056	0.001	0.002	0.000	0.237	0.254
	Left	0.737	0.031	0.000	0.000	0.339	0.091	0.000	0.737*	0.370

Table F-104
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.320	0.414	0.604	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.004	0.194	0.214	0.000	0.284	0.253
	Bottom	0.625	0.625	0.145	0.076	0.011	0.022	0.000	0.792	0.792
	Right	0.044	0.063	0.274	0.056	0.001	0.002	0.000	0.320	0.339
	Left	0.625	0.025	0.000	0.000	0.339	0.091	0.000	0.964	0.364

Table F-105
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.058	0.436	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.000	0.011	0.000	0.896	0.896
	Bottom	0.041	0.008	0.022	0.013	0.043	0.224	0.000	0.330	0.297
	Right	0.737	0.042	0.002	0.000	0.533	0.376	0.000	0.909*	0.953
	Left	0.046	0.063	0.244	0.063	0.018	0.000	0.000	0.308	0.325

Table F-106
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.058	0.436	0.000	0.625*	0.994*
	Top	0.625	0.625	0.206	0.104	0.000	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.013	0.043	0.224	0.000	0.327	0.295
	Right	0.625	0.038	0.002	0.000	0.533	0.376	0.000	0.909*	0.949
	Left	0.038	0.056	0.351	0.091	0.018	0.000	0.000	0.407	0.425

Table F-107
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.058	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.000	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.013	0.043	0.131	0.000	0.942	0.942
	Right	0.054	0.071	0.002	0.000	0.533	0.219	0.000	0.808	0.825
	Left	0.737	0.031	0.726	0.178	0.018	0.000	0.000	0.755*	0.775

Table F-108

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.058	0.367	0.000	0.746*	0.861*
	Top	0.044	0.013	0.341	0.226	0.000	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.013	0.043	0.188	0.000	0.878	0.878
	Right	0.044	0.063	0.002	0.000	0.533	0.317	0.000	0.896	0.915
	Left	0.625	0.025	0.726	0.178	0.018	0.000	0.000	0.726*	0.769

Table F-109

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.020	0.436	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.000	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.011	0.007	0.224	0.000	0.294	0.261
	Right	0.737	0.042	0.002	0.000	0.199	0.376	0.000	0.739*	0.619
	Left	0.046	0.063	0.244	0.113	0.011	0.000	0.000	0.301	0.318

Table F-110

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.020	0.436	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.104	0.000	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.011	0.007	0.224	0.000	0.291	0.259
	Right	0.625	0.038	0.002	0.000	0.199	0.376	0.000	0.627*	0.615
	Left	0.038	0.056	0.351	0.131	0.011	0.000	0.000	0.400	0.418

Table F-111

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.020	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.000	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.011	0.007	0.131	0.000	0.906	0.906
	Right	0.054	0.071	0.002	0.000	0.199	0.219	0.000	0.474	0.491
	Left	0.737	0.031	0.726	0.131	0.011	0.000	0.000	0.748*	0.768

Table F-112

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.020	0.367	0.000	0.746*	0.861*
	Top	0.044	0.013	0.341	0.104	0.000	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.011	0.007	0.188	0.000	0.842	0.842
	Right	0.044	0.063	0.002	0.000	0.199	0.317	0.000	0.562	0.581
	Left	0.625	0.025	0.726	0.131	0.011	0.000	0.000	0.726*	0.762

Table F-113

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.739	0.436	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.069	0.006	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.013	0.164	0.224	0.000	0.287	0.254
	Right	0.737	0.042	0.002	0.000	0.204	0.376	0.000	0.739*	0.420
	Left	0.046	0.063	0.244	0.063	0.003	0.000	0.000	0.293	0.310

Table F-114

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.369	0.739	0.436	0.000	0.739*	0.994*
	Top	0.625	0.625	0.206	0.104	0.006	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.013	0.164	0.224	0.000	0.284	0.252
	Right	0.625	0.038	0.002	0.000	0.204	0.376	0.000	0.627*	0.416
	Left	0.038	0.056	0.351	0.091	0.003	0.000	0.000	0.392	0.410

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Table F-115

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.734	0.250	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.226	0.006	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.013	0.063	0.131	0.000	0.899	0.899
	Right	0.054	0.071	0.002	0.000	0.081	0.219	0.000	0.275	0.292
	Left	0.737	0.031	0.726	0.178	0.003	0.000	0.000	0.740*	0.760

Table F-116

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.734	0.374	0.367	0.000	0.746*	0.868*
	Top	0.044	0.013	0.341	0.226	0.006	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.013	0.093	0.188	0.000	0.835	0.835
	Right	0.044	0.063	0.002	0.000	0.124	0.317	0.000	0.363	0.382
	Left	0.625	0.025	0.726	0.178	0.003	0.000	0.000	0.726*	0.754

Table F-117

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.217	0.436	0.000	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.094	0.004	0.011	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.011	0.076	0.224	0.000	0.287	0.254
	Right	0.737	0.042	0.002	0.000	0.049	0.376	0.000	0.739*	0.420
	Left	0.046	0.063	0.244	0.113	0.001	0.000	0.000	0.291	0.308

Table F-118

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.287	0.217	0.436	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.104	0.004	0.011	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.011	0.076	0.224	0.000	0.284	0.252
	Right	0.625	0.038	0.002	0.000	0.049	0.376	0.000	0.627*	0.416
	Left	0.038	0.056	0.351	0.131	0.001	0.000	0.000	0.390	0.408

Table F-119

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.287	0.217	0.250	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.104	0.004	0.011	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.011	0.076	0.131	0.000	0.899	0.899
	Right	0.054	0.071	0.002	0.000	0.049	0.219	0.000	0.275	0.292
	Left	0.737	0.031	0.726	0.131	0.001	0.000	0.000	0.738*	0.758

Table F-120

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.287	0.217	0.367	0.000	0.746*	0.861*
	Top	0.044	0.013	0.341	0.104	0.004	0.011	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.011	0.076	0.188	0.000	0.835	0.835
	Right	0.044	0.063	0.002	0.000	0.049	0.317	0.000	0.363	0.382
	Left	0.625	0.025	0.726	0.131	0.001	0.000	0.000	0.726*	0.752

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Table F-121

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.058	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.000	0.069	0.125	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.043	0.013	0.012	0.000	0.382	0.349
	Right	0.737	0.042	0.655	0.533	0.000	0.000	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.000	0.018	0.063	0.231	0.000	0.295	0.312

Table F-122

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.713	0.000	0.000	0.000	0.737*	0.755

Table F-123

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.058	0.369	0.363	0.000	0.699*	0.994*
	Top	0.625	0.625	0.026	0.000	0.104	0.179	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.043	0.013	0.012	0.000	0.379	0.347
	Right	0.625	0.038	0.655	0.533	0.000	0.000	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.000	0.018	0.091	0.331	0.000	0.387	0.405

Table F-124

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.713	0.000	0.000	0.000	0.713*	0.751

Table F-125

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.058	0.734	0.509	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.000	0.226	0.239	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.043	0.013	0.012	0.000	0.902	0.902
	Right	0.054	0.071	0.181	0.533	0.000	0.000	0.000	0.768	0.785
	Left	0.737	0.031	0.000	0.018	0.178	0.398	0.000	0.755*	0.447

Table F-126

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.058	0.734	0.509	0.000	0.734*	0.867*
	Top	0.044	0.013	0.026	0.000	0.226	0.239	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.043	0.013	0.012	0.000	0.826	0.826
	Right	0.044	0.063	0.274	0.533	0.000	0.000	0.000	0.851	0.870
	Left	0.625	0.025	0.000	0.018	0.178	0.398	0.000	0.643*	0.441

Table F-127

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.020	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.000	0.094	0.125	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.007	0.011	0.012	0.000	0.345	0.312
	Right	0.737	0.042	0.655	0.199	0.000	0.000	0.000	0.854*	0.896
	Left	0.046	0.063	0.000	0.011	0.113	0.231	0.000	0.288	0.305

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Table F-128

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.020	0.287	0.363	0.000	0.699*	0.988*
	Top	0.625	0.625	0.026	0.000	0.104	0.179	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.007	0.011	0.012	0.000	0.342	0.310
	Right	0.625	0.038	0.655	0.199	0.000	0.000	0.000	0.854*	0.892
	Left	0.038	0.056	0.000	0.011	0.131	0.331	0.000	0.380	0.398

Table F-129

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.020	0.287	0.509	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.000	0.104	0.239	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.007	0.011	0.012	0.000	0.865	0.865
	Right	0.054	0.071	0.181	0.199	0.000	0.000	0.000	0.434	0.451
	Left	0.737	0.031	0.000	0.011	0.131	0.398	0.000	0.748*	0.440

Table F-130

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.020	0.287	0.509	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.000	0.239	0.309	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.007	0.011	0.012	0.000	0.789	0.789
	Right	0.044	0.063	0.274	0.199	0.000	0.000	0.000	0.517	0.536
	Left	0.625	0.025	0.000	0.011	0.131	0.398	0.000	0.636*	0.434

Table F-131

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.739	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.006	0.069	0.125	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.164	0.013	0.012	0.000	0.339	0.306
	Right	0.737	0.042	0.655	0.204	0.000	0.000	0.000	0.737*	0.697
	Left	0.046	0.063	0.000	0.003	0.063	0.231	0.000	0.280	0.297

Table F-132

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.739	0.369	0.363	0.000	0.739*	0.994*
	Top	0.625	0.625	0.026	0.006	0.104	0.179	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.164	0.013	0.012	0.000	0.336	0.304
	Right	0.625	0.038	0.655	0.204	0.000	0.000	0.000	0.655*	0.693
	Left	0.038	0.056	0.000	0.003	0.091	0.331	0.000	0.372	0.390

Table F-133

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.250	0.734	0.509	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.006	0.226	0.239	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.063	0.013	0.012	0.000	0.859	0.859
	Right	0.054	0.071	0.181	0.081	0.000	0.000	0.000	0.235	0.252
	Left	0.737	0.031	0.000	0.003	0.178	0.398	0.000	0.740*	0.432

Table F-134

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.374	0.734	0.509	0.000	0.734*	0.868*
	Top	0.044	0.013	0.026	0.006	0.226	0.239	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.093	0.013	0.012	0.000	0.783	0.783
	Right	0.044	0.063	0.274	0.124	0.000	0.000	0.000	0.318	0.337
	Left	0.625	0.025	0.000	0.003	0.178	0.398	0.000	0.628*	0.426

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Table F-135

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.217	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.004	0.094	0.125	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.076	0.011	0.012	0.000	0.338	0.305
	Right	0.737	0.042	0.655	0.049	0.000	0.000	0.000	0.737*	0.697
	Left	0.046	0.063	0.000	0.001	0.113	0.231	0.000	0.278	0.295

Table F-136

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.217	0.287	0.363	0.000	0.699*	0.888*
	Top	0.625	0.625	0.026	0.004	0.104	0.179	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.076	0.011	0.012	0.000	0.335	0.303
	Right	0.625	0.038	0.655	0.049	0.000	0.000	0.000	0.655*	0.693
	Left	0.038	0.056	0.000	0.001	0.131	0.331	0.000	0.370	0.388

Table F-137

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.217	0.287	0.509	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.004	0.104	0.239	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.076	0.011	0.012	0.000	0.858	0.858
	Right	0.054	0.071	0.181	0.049	0.000	0.000	0.000	0.235	0.252
	Left	0.737	0.031	0.000	0.001	0.131	0.398	0.000	0.738*	0.430

Table F-138

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.217	0.287	0.509	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.004	0.104	0.239	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.076	0.011	0.012	0.000	0.782	0.782
	Right	0.044	0.063	0.274	0.049	0.000	0.000	0.000	0.318	0.337
	Left	0.625	0.025	0.000	0.001	0.131	0.398	0.000	0.626*	0.424

Table F-139

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	802.15.4 Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.436	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.011	0.000	0.000	0.896	0.899
	Bottom	0.041	0.008	0.022	0.022	0.224	0.016	0.000	0.303	0.270
	Right	0.737	0.042	0.002	0.002	0.376	0.398	0.000	0.774*	0.818
	Left	0.046	0.063	0.244	0.056	0.000	0.008	0.000	0.298	0.315

Table F-140

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	802.15.4 Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.436	0.056	0.000	0.625*	0.981*
	Top	0.625	0.625	0.206	0.105	0.011	0.000	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.022	0.224	0.016	0.000	0.300	0.268
	Right	0.625	0.038	0.002	0.002	0.376	0.398	0.000	0.774*	0.814
	Left	0.038	0.056	0.351	0.070	0.000	0.008	0.000	0.397	0.415

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Table F-141

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.056	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.011	0.000	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.022	0.131	0.016	0.000	0.915	0.915
	Right	0.054	0.071	0.002	0.002	0.219	0.398	0.000	0.673	0.690
	Left	0.737	0.031	0.726	0.091	0.000	0.008	0.000	0.745*	0.765

Table F-142

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.367	0.056	0.000	0.746*	0.861*
	Top	0.044	0.013	0.341	0.214	0.011	0.000	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.022	0.188	0.016	0.000	0.851	0.851
	Right	0.044	0.063	0.002	0.002	0.317	0.398	0.000	0.761	0.780
	Left	0.625	0.025	0.726	0.091	0.000	0.008	0.000	0.726*	0.759

Table F-143

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.250	0.250	0.436	0.733	0.000	0.745*	0.900*
	Top	0.741	0.744	0.144	0.075	0.011	0.004	0.000	0.896	0.896
	Bottom	0.041	0.008	0.022	0.022	0.224	0.173	0.000	0.287	0.254
	Right	0.737	0.042	0.002	0.002	0.376	0.099	0.000	0.739*	0.420
	Left	0.046	0.063	0.244	0.056	0.000	0.000	0.000	0.290	0.307

Table F-144

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.356	0.344	0.436	0.733	0.000	0.733*	0.981*
	Top	0.625	0.625	0.206	0.105	0.011	0.004	0.000	0.842	0.842
	Bottom	0.038	0.006	0.022	0.022	0.224	0.173	0.000	0.284	0.252
	Right	0.625	0.038	0.002	0.002	0.376	0.099	0.000	0.627*	0.416
	Left	0.038	0.056	0.351	0.070	0.000	0.000	0.000	0.389	0.407

Table F-145

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.746	0.604	0.250	0.056	0.000	0.746*	0.836*
	Top	0.050	0.013	0.341	0.214	0.011	0.004	0.000	0.402	0.365
	Bottom	0.746	0.746	0.022	0.022	0.131	0.056	0.000	0.899	0.899
	Right	0.054	0.071	0.002	0.002	0.219	0.056	0.000	0.275	0.292
	Left	0.737	0.031	0.726	0.091	0.000	0.000	0.000	0.737*	0.757

Table F-146

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.746	0.604	0.367	0.320	0.000	0.746*	0.861*
	Top	0.044	0.013	0.341	0.214	0.011	0.004	0.000	0.396	0.365
	Bottom	0.625	0.625	0.022	0.022	0.188	0.076	0.000	0.835	0.835
	Right	0.044	0.063	0.002	0.002	0.317	0.056	0.000	0.363	0.382
	Left	0.625	0.025	0.726	0.091	0.000	0.000	0.000	0.726*	0.751

Table F-147

Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.250	0.250	0.056	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.125	0.075	0.000	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.012	0.022	0.016	0.000	0.364	0.331
	Right	0.737	0.042	0.655	0.000	0.002	0.398	0.000	See Note 1	See Note 1
	Left	0.046	0.063	0.000	0.231	0.056	0.008	0.000	0.285	0.302

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Table F-148
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 802.15.4, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WFSB ER	802.15.4 Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.737	0.042	0.675	0.000	0.002	0.000	0.739*	0.719

Table F-149
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.363	0.344	0.056	0.000	0.699*	0.988*
	Top	0.625	0.625	0.026	0.179	0.105	0.000	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.012	0.022	0.016	0.000	0.361	0.329
	Right	0.625	0.038	0.655	0.000	0.002	0.398	0.000	See Note 1	See Note 1
	Left	0.038	0.056	0.000	0.331	0.070	0.008	0.000	0.377	0.395

Table F-150
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 802.15.4, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WFSB ER	802.15.4 Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.625	0.038	0.675	0.000	0.002	0.000	0.675*	0.715

Table F-151
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.509	0.604	0.056	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.239	0.214	0.000	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.022	0.022	0.016	0.000	0.884	0.884
	Right	0.054	0.071	0.181	0.000	0.002	0.398	0.000	0.635	0.652
	Left	0.737	0.031	0.000	0.398	0.091	0.008	0.000	0.745*	0.437

Table F-152
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and NB U-NII TxBF

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.509	0.604	0.056	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.239	0.214	0.000	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.012	0.022	0.016	0.000	0.808	0.808
	Right	0.044	0.063	0.274	0.000	0.002	0.398	0.000	0.718	0.737
	Left	0.625	0.025	0.000	0.398	0.091	0.008	0.000	0.633*	0.431

Table F-153
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.745	0.650	0.699	0.733	0.250	0.250	0.000	0.745*	0.900*
	Top	0.741	0.744	0.026	0.004	0.125	0.075	0.000	0.892	0.895
	Bottom	0.041	0.008	0.285	0.173	0.012	0.022	0.000	0.348	0.315
	Right	0.737	0.042	0.655	0.099	0.000	0.002	0.000	0.739*	0.699
	Left	0.046	0.063	0.000	0.000	0.231	0.056	0.000	0.277	0.294

Table F-154
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.699	0.733	0.363	0.344	0.000	0.733*	0.988*
	Top	0.625	0.625	0.026	0.004	0.179	0.105	0.000	0.830	0.830
	Bottom	0.038	0.006	0.285	0.173	0.012	0.022	0.000	0.345	0.313
	Right	0.625	0.038	0.655	0.099	0.000	0.002	0.000	0.655*	0.695
	Left	0.038	0.056	0.000	0.000	0.331	0.070	0.000	0.369	0.387

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Table F-155

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.586	0.250	0.250	0.509	0.604	0.000	0.740*	0.836*
	Top	0.050	0.013	0.026	0.004	0.239	0.214	0.000	0.315	0.278
	Bottom	0.746	0.746	0.100	0.056	0.012	0.022	0.000	0.868	0.868
	Right	0.054	0.071	0.181	0.056	0.000	0.002	0.000	0.237	0.254
	Left	0.737	0.031	0.000	0.000	0.398	0.091	0.000	0.737*	0.429

Table F-156

Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.494	0.373	0.320	0.509	0.604	0.000	0.625*	0.867*
	Top	0.044	0.013	0.026	0.004	0.239	0.214	0.000	0.309	0.278
	Bottom	0.625	0.625	0.145	0.076	0.012	0.022	0.000	0.792	0.792
	Right	0.044	0.063	0.274	0.056	0.000	0.002	0.000	0.320	0.339
	Left	0.625	0.025	0.000	0.000	0.398	0.091	0.000	0.625*	0.423

Table F-157

Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.699	0.058	0.000	0.746*
	Top	0.341	0.226	0.026	0.000	0.000	0.367
	Bottom	0.022	0.013	0.285	0.043	0.000	0.350
	Right	0.002	0.000	0.655	0.533	0.000	See Note 1
	Left	0.726	0.178	0.000	0.018	0.000	0.744

Table F-158

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.002	0.000	0.713	0.000	0.715

Table F-159

Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.699	0.020	0.000	0.746*
	Top	0.341	0.104	0.026	0.000	0.000	0.367
	Bottom	0.022	0.011	0.285	0.007	0.000	0.314
	Right	0.002	0.000	0.655	0.199	0.000	0.856
	Left	0.726	0.131	0.000	0.011	0.000	0.737

Table F-160

Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.699	0.739	0.000	0.746*
	Top	0.341	0.226	0.026	0.006	0.000	0.367
	Bottom	0.022	0.013	0.285	0.164	0.000	0.307
	Right	0.002	0.000	0.655	0.204	0.000	0.657
	Left	0.726	0.178	0.000	0.003	0.000	0.729

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Table F-161
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.699	0.217	0.000	0.746*
	Top	0.341	0.104	0.026	0.004	0.000	0.367
	Bottom	0.022	0.011	0.285	0.076	0.000	0.307
	Right	0.002	0.000	0.655	0.049	0.000	0.657
	Left	0.726	0.131	0.000	0.001	0.000	0.727

Table F-162
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.414	0.604	0.390	0.056	0.000	0.604*
	Top	0.194	0.214	0.011	0.000	0.000	0.225
	Bottom	0.011	0.022	0.145	0.016	0.000	0.183
	Right	0.001	0.002	0.294	0.398	0.000	0.694
	Left	0.339	0.091	0.000	0.008	0.000	0.347

Table F-163
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.414	0.604	0.390	0.733	0.000	0.733*
	Top	0.194	0.214	0.011	0.004	0.000	0.225
	Bottom	0.011	0.022	0.145	0.173	0.000	0.195
	Right	0.001	0.002	0.294	0.099	0.000	0.296
	Left	0.339	0.091	0.000	0.000	0.000	0.339

Table F-164
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.699	0.056	0.000	0.746*
	Top	0.341	0.214	0.026	0.000	0.000	0.367
	Bottom	0.022	0.022	0.285	0.016	0.000	0.323
	Right	0.002	0.002	0.655	0.398	0.000	See Note 1
	Left	0.726	0.091	0.000	0.008	0.000	0.734

Table F-165
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.002	0.002	0.675	0.000	0.677

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Table F-166
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.699	0.733	0.000	0.746*
	Top	0.341	0.214	0.026	0.004	0.000	0.367
	Bottom	0.022	0.022	0.285	0.173	0.000	0.307
	Right	0.002	0.002	0.655	0.099	0.000	0.657
	Left	0.726	0.091	0.000	0.000	0.000	0.726

Table F-167
Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.058	0.734	0.414	0.390	0.000	0.734*
	Top	0.000	0.226	0.194	0.011	0.000	0.237
	Bottom	0.043	0.013	0.011	0.145	0.000	0.201
	Right	0.533	0.000	0.001	0.294	0.000	0.828
	Left	0.018	0.178	0.339	0.000	0.000	0.357

Table F-168
Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.020	0.287	0.414	0.390	0.000	0.824
	Top	0.000	0.104	0.194	0.011	0.000	0.205
	Bottom	0.007	0.011	0.011	0.145	0.000	0.163
	Right	0.199	0.000	0.001	0.294	0.000	0.494
	Left	0.011	0.131	0.339	0.000	0.000	0.350

Table F-169
Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.739	0.390	0.734	0.414	0.000	0.739*
	Top	0.006	0.011	0.226	0.194	0.000	0.237
	Bottom	0.164	0.145	0.013	0.011	0.000	0.177
	Right	0.204	0.294	0.000	0.001	0.000	0.295
	Left	0.003	0.000	0.178	0.339	0.000	0.342

Table F-170
Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.217	0.390	0.287	0.414	0.000	0.804
	Top	0.004	0.011	0.104	0.194	0.000	0.205
	Bottom	0.076	0.145	0.011	0.011	0.000	0.156
	Right	0.049	0.294	0.000	0.001	0.000	0.295
	Left	0.001	0.000	0.131	0.339	0.000	0.340

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Table F-171

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.058	0.390	0.000	0.746*
	Top	0.341	0.226	0.000	0.011	0.000	0.352
	Bottom	0.022	0.013	0.043	0.145	0.000	0.210
	Right	0.002	0.000	0.533	0.294	0.000	0.829
	Left	0.726	0.178	0.018	0.000	0.000	0.744

Table F-172

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.020	0.390	0.000	0.746*
	Top	0.341	0.104	0.000	0.011	0.000	0.352
	Bottom	0.022	0.011	0.007	0.145	0.000	0.174
	Right	0.002	0.000	0.199	0.294	0.000	0.495
	Left	0.726	0.131	0.011	0.000	0.000	0.737

Table F-173

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.739	0.390	0.000	0.746*
	Top	0.341	0.226	0.006	0.011	0.000	0.352
	Bottom	0.022	0.013	0.164	0.145	0.000	0.186
	Right	0.002	0.000	0.204	0.294	0.000	0.296
	Left	0.726	0.178	0.003	0.000	0.000	0.729

Table F-174

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.217	0.390	0.000	0.746*
	Top	0.341	0.104	0.004	0.011	0.000	0.352
	Bottom	0.022	0.011	0.076	0.145	0.000	0.167
	Right	0.002	0.000	0.049	0.294	0.000	0.296
	Left	0.726	0.131	0.001	0.000	0.000	0.727

Table F-175

Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.058	0.734	0.414	0.000	0.734*
	Top	0.026	0.000	0.226	0.194	0.000	0.252
	Bottom	0.285	0.043	0.013	0.011	0.000	0.341
	Right	0.655	0.533	0.000	0.001	0.000	See Note 1
	Left	0.000	0.018	0.178	0.339	0.000	0.357

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Table F-176
Simultaneous Transmission Scenario with 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.713	0.000	0.001	0.000	0.714

Table F-177
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.020	0.287	0.414	0.000	0.699*
	Top	0.026	0.000	0.104	0.194	0.000	0.220
	Bottom	0.285	0.007	0.011	0.011	0.000	0.303
	Right	0.655	0.199	0.000	0.001	0.000	0.855
	Left	0.000	0.011	0.131	0.339	0.000	0.350

Table F-178
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.739	0.734	0.414	0.000	0.739*
	Top	0.026	0.006	0.226	0.194	0.000	0.252
	Bottom	0.285	0.164	0.013	0.011	0.000	0.298
	Right	0.655	0.204	0.000	0.001	0.000	0.656
	Left	0.000	0.003	0.178	0.339	0.000	0.342

Table F-179
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.217	0.287	0.414	0.000	0.699*
	Top	0.026	0.004	0.104	0.194	0.000	0.220
	Bottom	0.285	0.076	0.011	0.011	0.000	0.296
	Right	0.655	0.049	0.000	0.001	0.000	0.656
	Left	0.000	0.001	0.131	0.339	0.000	0.340

Table F-180
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.390	0.056	0.000	0.746*
	Top	0.341	0.214	0.011	0.000	0.000	0.352
	Bottom	0.022	0.022	0.145	0.016	0.000	0.183
	Right	0.002	0.002	0.294	0.398	0.000	0.694
	Left	0.726	0.091	0.000	0.008	0.000	0.734

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Table F-181
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.390	0.733	0.000	0.746*
	Top	0.341	0.214	0.011	0.004	0.000	0.352
	Bottom	0.022	0.022	0.145	0.173	0.000	0.195
	Right	0.002	0.002	0.294	0.099	0.000	0.296
	Left	0.726	0.091	0.000	0.000	0.000	0.726

Table F-182
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.414	0.604	0.056	0.000	0.699*
	Top	0.026	0.194	0.214	0.000	0.000	0.240
	Bottom	0.285	0.011	0.022	0.016	0.000	0.323
	Right	0.655	0.001	0.002	0.398	0.000	See Note 1
	Left	0.000	0.339	0.091	0.008	0.000	0.347

Table F-183
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth, NB U-NII and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.675	0.001	0.002	0.000	0.677

Table F-184
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.733	0.414	0.604	0.000	0.733*
	Top	0.026	0.004	0.194	0.214	0.000	0.240
	Bottom	0.285	0.173	0.011	0.022	0.000	0.307
	Right	0.655	0.099	0.001	0.002	0.000	0.657
	Left	0.000	0.000	0.339	0.091	0.000	0.339

Table F-185
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.058	0.436	0.000	0.746*
	Top	0.341	0.226	0.000	0.011	0.000	0.352
	Bottom	0.022	0.013	0.043	0.224	0.000	0.289
	Right	0.002	0.000	0.533	0.376	0.000	0.911
	Left	0.726	0.178	0.018	0.000	0.000	0.744

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Table F-186
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.020	0.436	0.000	0.746*
	Top	0.341	0.104	0.000	0.011	0.000	0.352
	Bottom	0.022	0.011	0.007	0.224	0.000	0.253
	Right	0.002	0.000	0.199	0.376	0.000	0.577
	Left	0.726	0.131	0.011	0.000	0.000	0.737

Table F-187
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.734	0.739	0.436	0.000	0.746*
	Top	0.341	0.226	0.006	0.011	0.000	0.352
	Bottom	0.022	0.013	0.164	0.224	0.000	0.246
	Right	0.002	0.000	0.204	0.376	0.000	0.378
	Left	0.726	0.178	0.003	0.000	0.000	0.729

Table F-188
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.287	0.217	0.436	0.000	0.746*
	Top	0.341	0.104	0.004	0.011	0.000	0.352
	Bottom	0.022	0.011	0.076	0.224	0.000	0.246
	Right	0.002	0.000	0.049	0.376	0.000	0.378
	Left	0.726	0.131	0.001	0.000	0.000	0.727

Table F-189
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.058	0.734	0.509	0.000	0.734*
	Top	0.026	0.000	0.226	0.239	0.000	0.265
	Bottom	0.285	0.043	0.013	0.012	0.000	0.341
	Right	0.655	0.533	0.000	0.000	0.000	See Note 1
	Left	0.000	0.018	0.178	0.398	0.000	0.416

Table F-190
Simultaneous Transmission Scenario with 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a + 5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.713	0.000	0.000	0.000	0.713

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Table F-191
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.020	0.287	0.509	0.000	0.699*
	Top	0.026	0.000	0.104	0.239	0.000	0.265
	Bottom	0.285	0.007	0.011	0.012	0.000	0.304
	Right	0.655	0.199	0.000	0.000	0.000	0.854
	Left	0.000	0.011	0.131	0.398	0.000	0.409

Table F-192
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.739	0.734	0.509	0.000	0.739*
	Top	0.026	0.006	0.226	0.239	0.000	0.265
	Bottom	0.285	0.164	0.013	0.012	0.000	0.298
	Right	0.655	0.204	0.000	0.000	0.000	0.655
	Left	0.000	0.003	0.178	0.398	0.000	0.401

Table F-193
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.217	0.287	0.509	0.000	0.699*
	Top	0.026	0.004	0.104	0.239	0.000	0.265
	Bottom	0.285	0.076	0.011	0.012	0.000	0.297
	Right	0.655	0.049	0.000	0.000	0.000	0.655
	Left	0.000	0.001	0.131	0.398	0.000	0.399

Table F-194
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.436	0.056	0.000	0.746*
	Top	0.341	0.214	0.011	0.000	0.000	0.352
	Bottom	0.022	0.022	0.224	0.016	0.000	0.262
	Right	0.002	0.002	0.376	0.398	0.000	0.776
	Left	0.726	0.091	0.000	0.008	0.000	0.734

Table F-195
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.746	0.604	0.436	0.733	0.000	0.746*
	Top	0.341	0.214	0.011	0.004	0.000	0.352
	Bottom	0.022	0.022	0.224	0.173	0.000	0.246
	Right	0.002	0.002	0.376	0.099	0.000	0.378
	Left	0.726	0.091	0.000	0.000	0.000	0.726

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Table F-196
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.509	0.604	0.056	0.000	0.699*
	Top	0.026	0.239	0.214	0.000	0.000	0.265
	Bottom	0.285	0.012	0.022	0.016	0.000	0.323
	Right	0.655	0.000	0.002	0.398	0.000	See Note 1
	Left	0.000	0.398	0.091	0.008	0.000	0.406

Table F-197
Simultaneous Transmission Scenario with 802.15.4, NB U-NII and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a + NB U-NII Ant WF5B ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Right	0.675	0.000	0.002	0.000	0.677

Table F-198
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

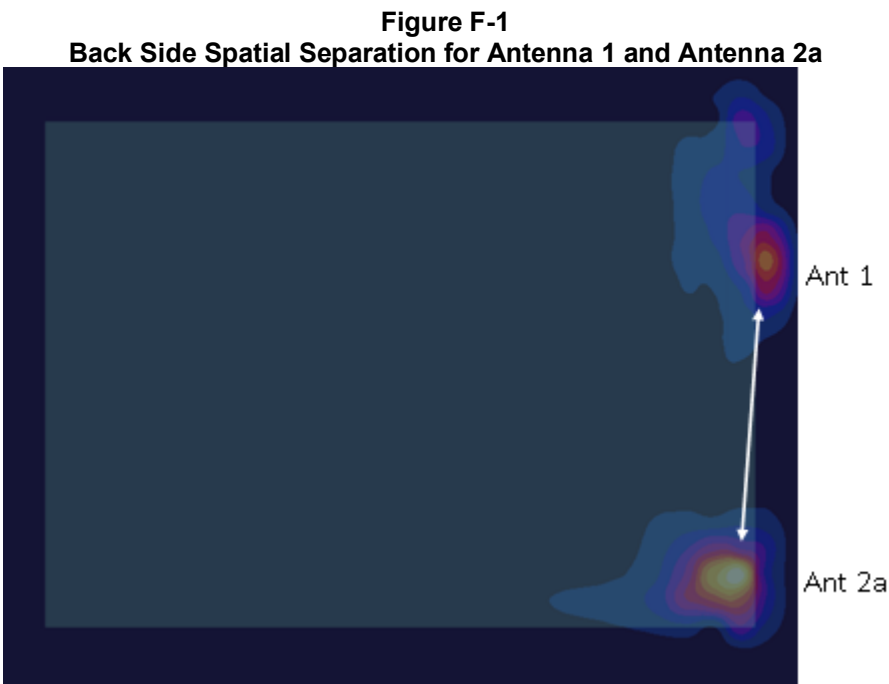
Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.699	0.733	0.509	0.604	0.000	0.733*
	Top	0.026	0.004	0.239	0.214	0.000	0.265
	Bottom	0.285	0.173	0.012	0.022	0.000	0.307
	Right	0.655	0.099	0.000	0.002	0.000	0.657
	Left	0.000	0.000	0.398	0.091	0.000	0.398

F.3 Spatial Separation Analysis

Per FCC KDB Publication 248227, antennas may be considered spatially separated when the aggregate SAR from multiple antennas at any location in the combined SAR distribution is either $\leq 1.2 \text{ W/kg}$ where at least 90% of the SAR is attributed to a single SAR distribution or $\leq 0.4 \text{ W/kg}$ where no more than one SAR distribution is contributing $> 0.1 \text{ W/kg}$.

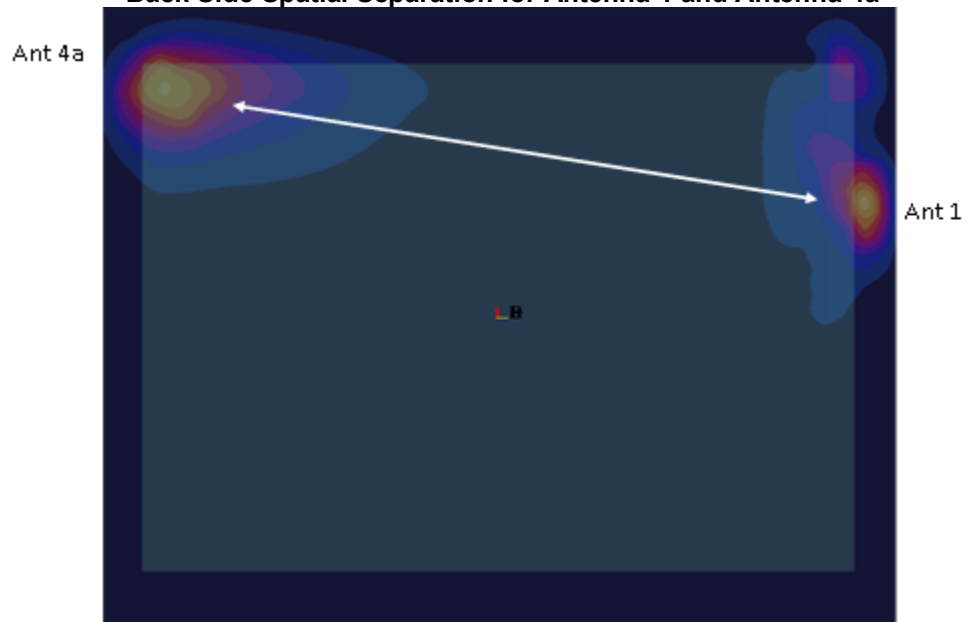
Spatial separation was determined by inspection of the area scan SAR distributions to confirm that at all locations, SAR was $< 1.2 \text{ W/kg}$, where at least 90% of the SAR is attributed to a single SAR distribution. See below for illustrations of the spatial separated antennas considered.

F.3.1 Back Side Spatial Separation Analysis



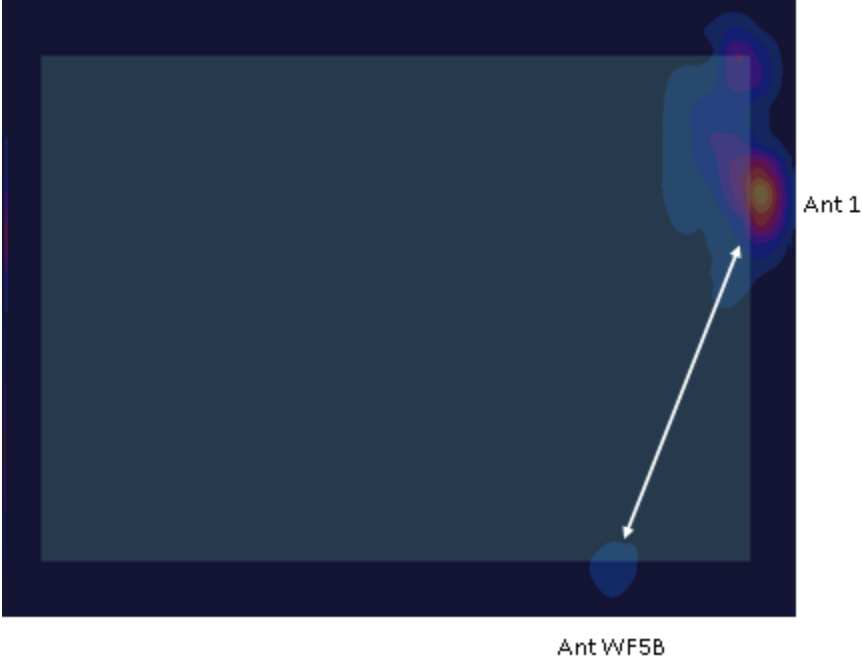
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-2
Back Side Spatial Separation for Antenna 1 and Antenna 4a



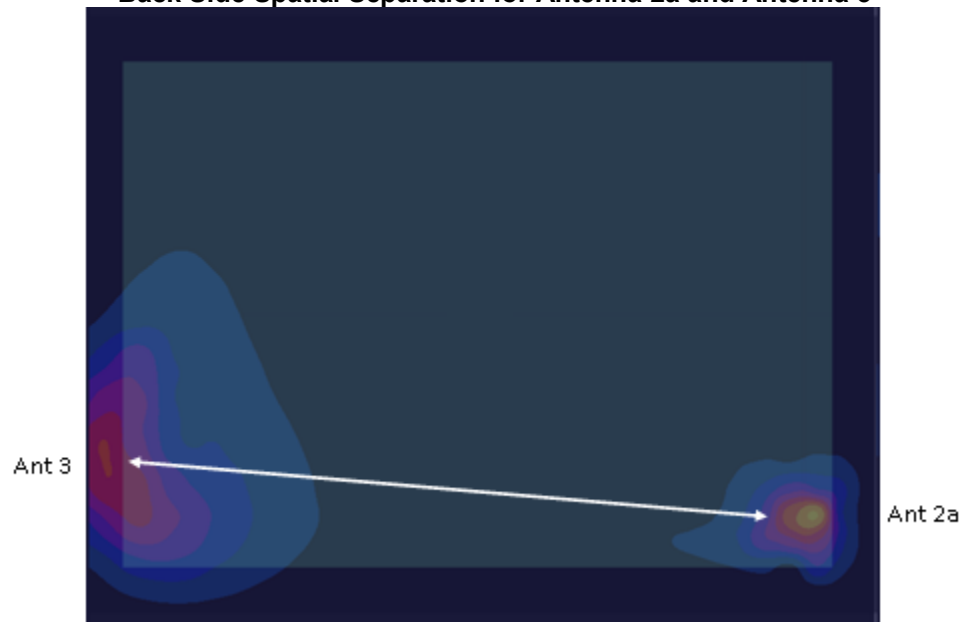
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-3
Back Side Spatial Separation for Antenna 1 and Antenna WF5B



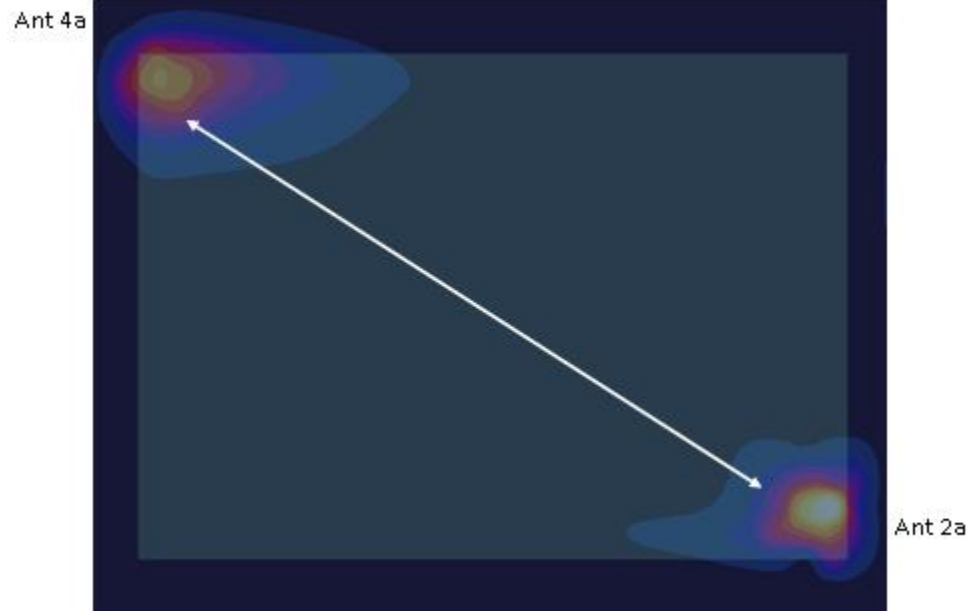
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-4
Back Side Spatial Separation for Antenna 2a and Antenna 3



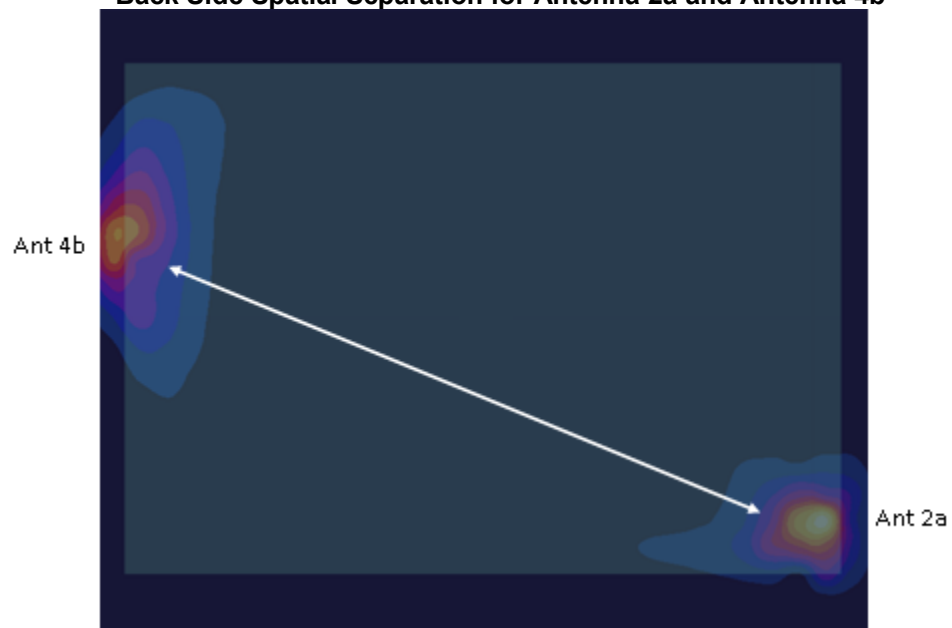
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-5
Back Side Spatial Separation for Antenna 2a and Antenna 4a



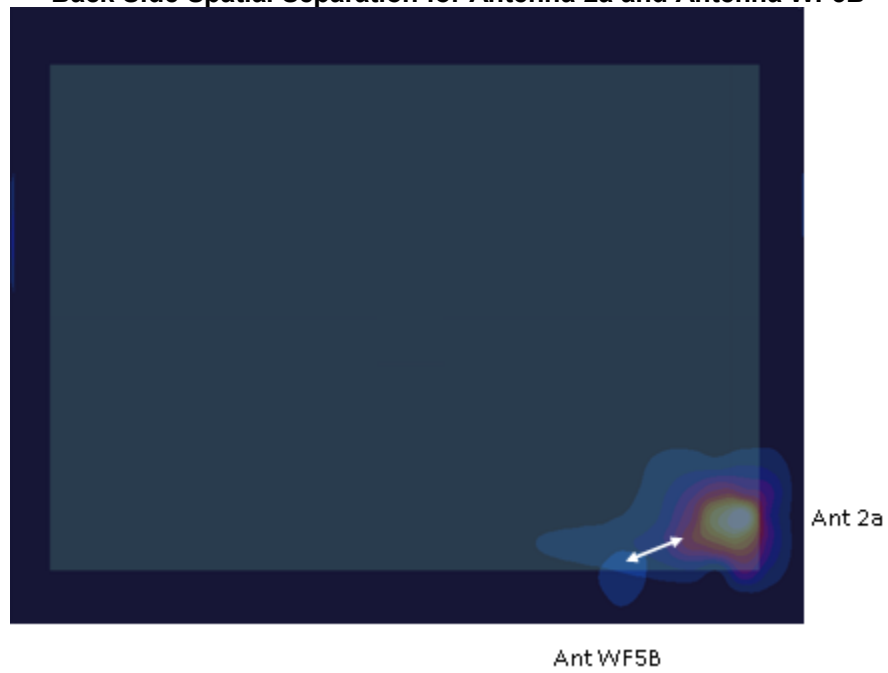
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-6
Back Side Spatial Separation for Antenna 2a and Antenna 4b



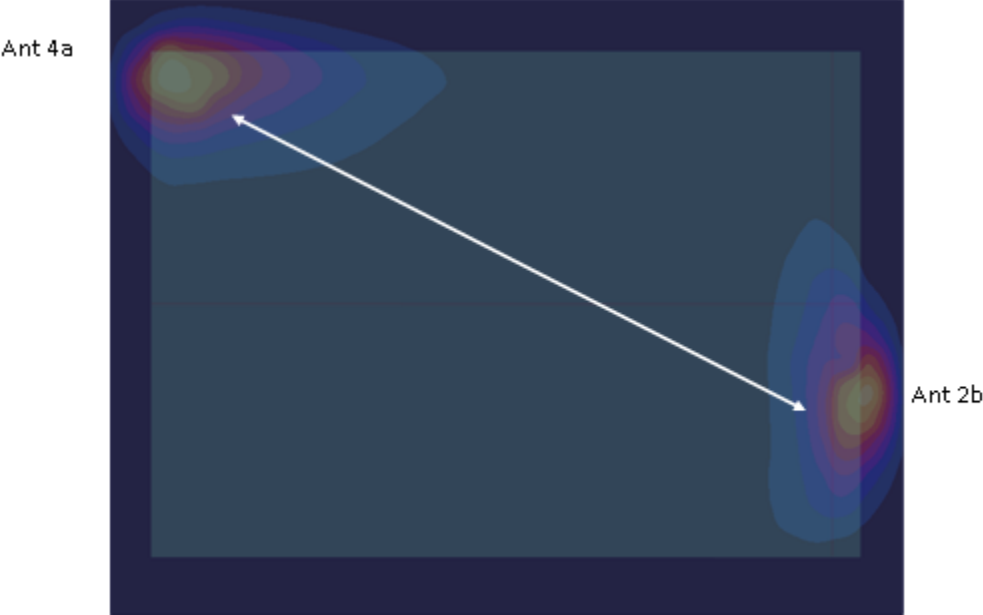
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-7
Back Side Spatial Separation for Antenna 2a and Antenna WF5B



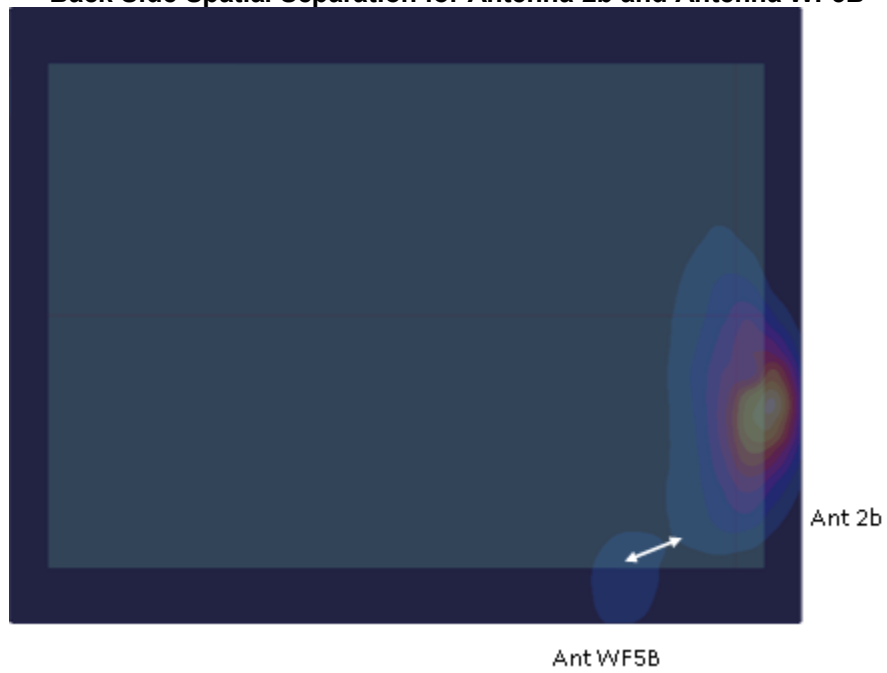
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-8
Back Side Spatial Separation for Antenna 2b and Antenna 4a



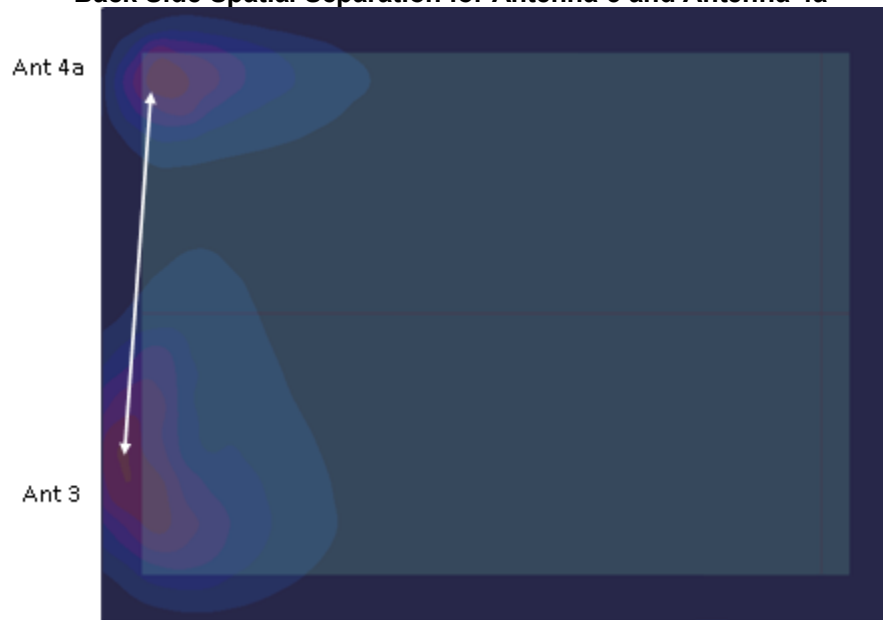
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-9
Back Side Spatial Separation for Antenna 2b and Antenna WF5B



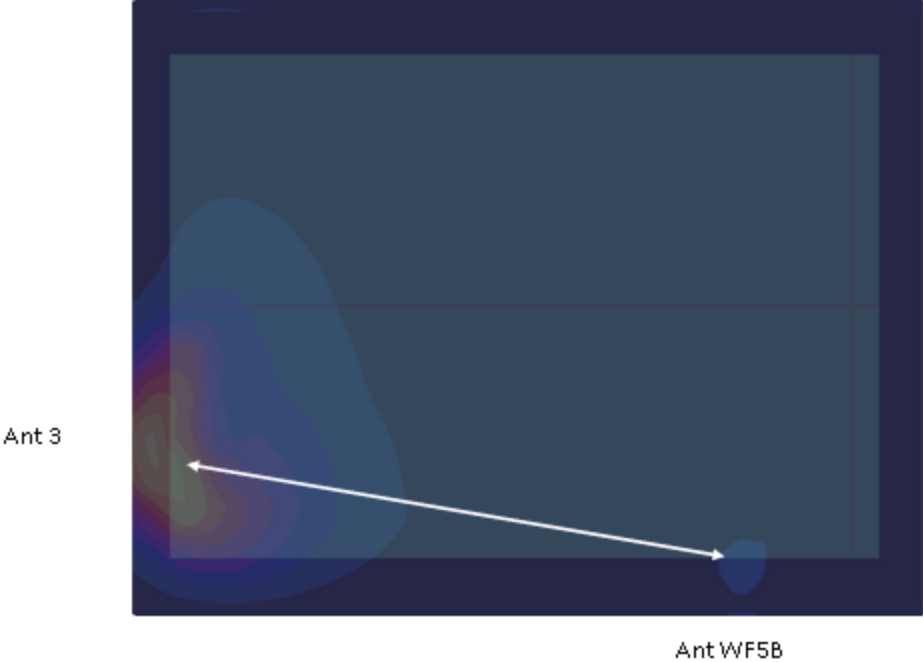
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-10
Back Side Spatial Separation for Antenna 3 and Antenna 4a



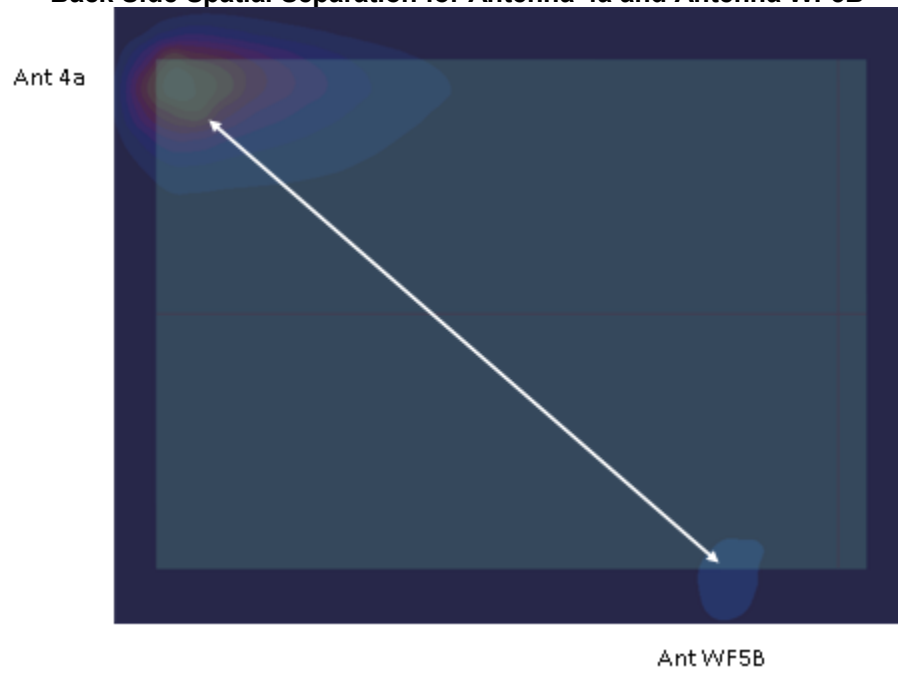
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-11
Back Side Spatial Separation for Antenna 3 and Antenna WF5B



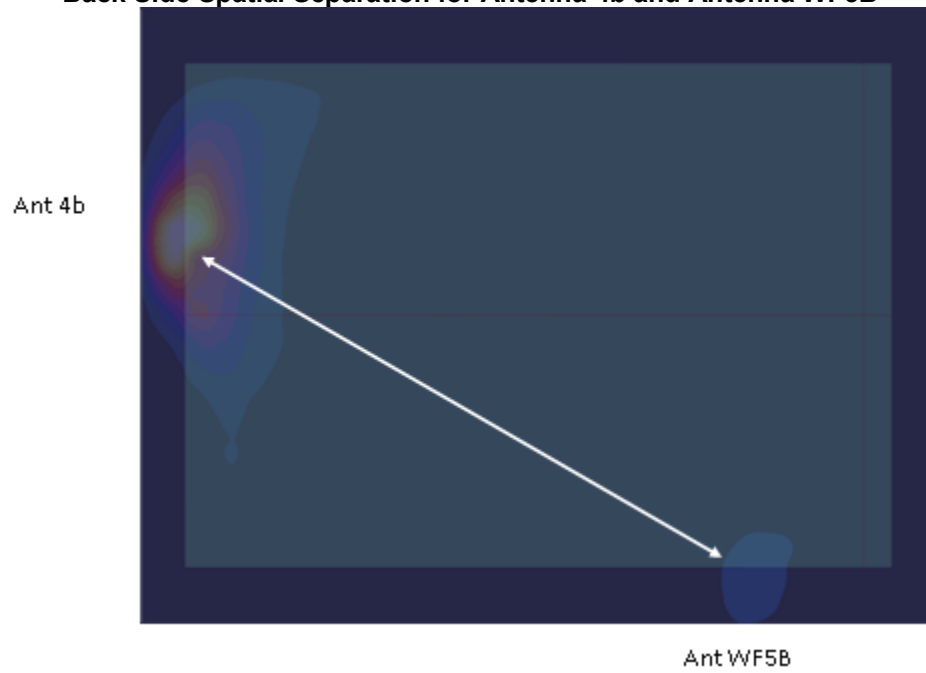
FCC ID: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-12
Back Side Spatial Separation for Antenna 4a and Antenna WF5B



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Figure F-13
Back Side Spatial Separation for Antenna 4b and Antenna WF5B



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F.3.2 Left Edge Spatial Separation Analysis

Figure F-14
Left Edge Spatial Separation for Antenna 1 and Antenna 4a

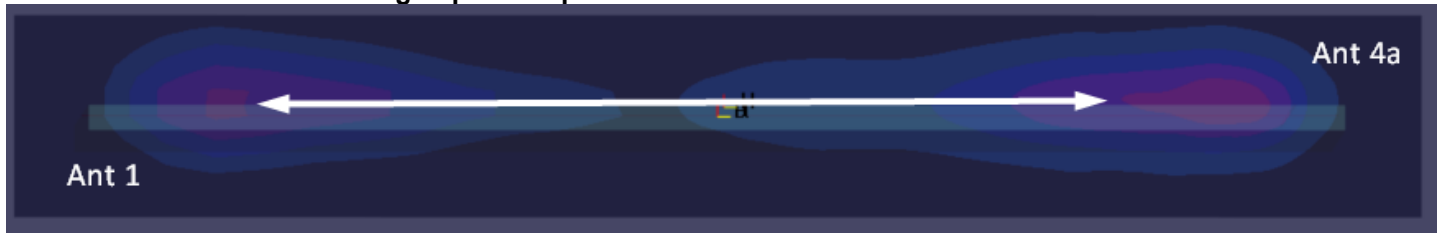


Figure F-15
Left Edge Spatial Separation for Antenna 2a and Antenna 4a

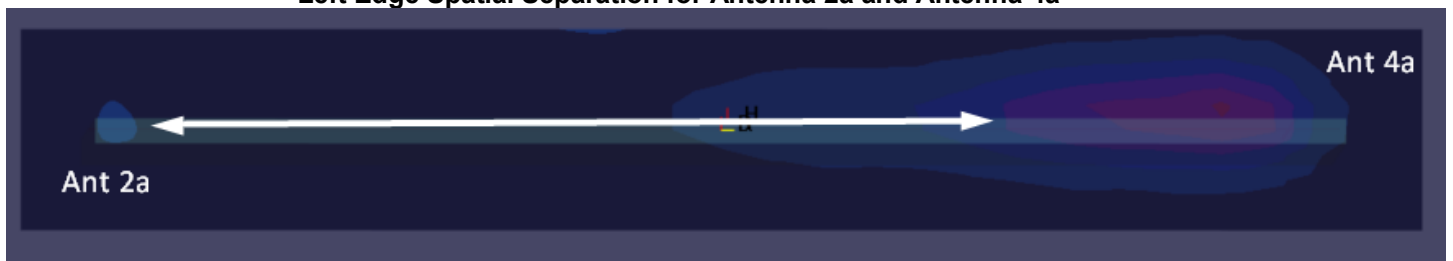
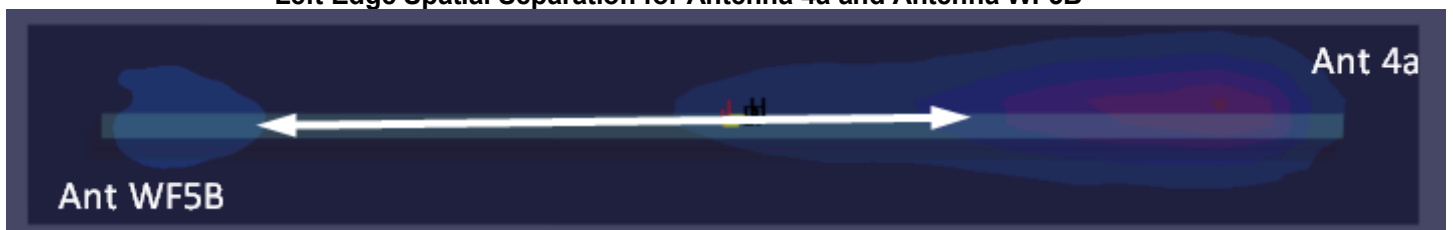
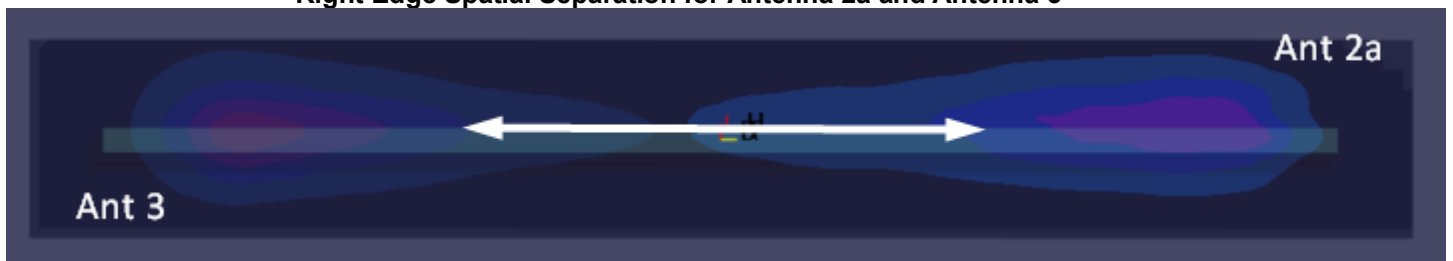


Figure F-16
Left Edge Spatial Separation for Antenna 4a and Antenna WF5B



F.3.3 Right Edge Spatial Separation Analysis

Figure F-17
Right Edge Spatial Separation for Antenna 2a and Antenna 3



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Figure F-18
Right Edge Spatial Separation for Antenna 2a and Antenna 4a



Figure F-19
Right Edge Spatial Separation for Antenna 3 and Antenna WF5B

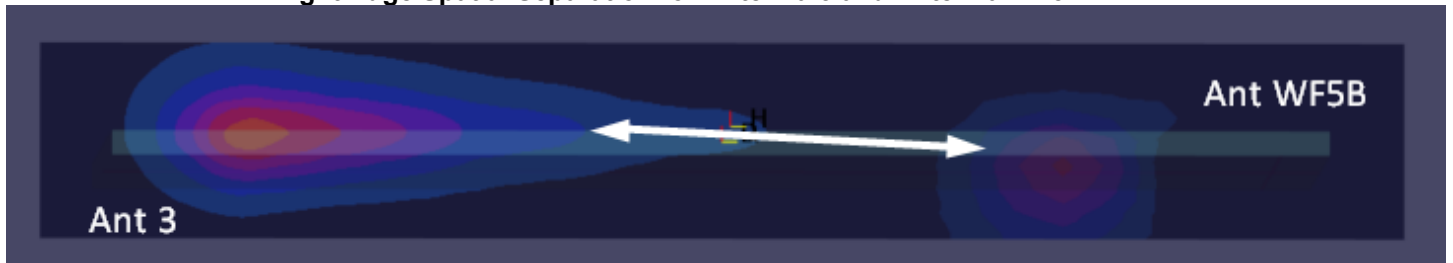


Figure F-20
Right Edge Spatial Separation for Antenna 4a and Antenna WF5B



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F.4 Additional Simultaneous SAR Evaluation and Analysis for Antenna 2a and Antenna WF5B

When required, each transmitter is tested for simultaneous transmission in the configuration, channel, and operating mode that resulted in the highest SAR during the stand-alone evaluation. Per November 2019 TCB Workshop Notes, enlarged volumetric scans on co-located antenna pair were performed for all the modes/band for Antenna 2a and Antenna WF5B to determine the aggregate distributions from the simultaneous transmission (volumetric) SAR evaluation.

Table F-199
Simultaneous Transmission SAR Analysis

Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Volumetric 1g SAR [W/kg]	Scaled Volumetric 1g SAR [W/kg]
2.4 GHz Bluetooth	N/A	FHSS	2a	76.76	0.05	2402.00	0	1	18.00	17.40	Right	5	0.342	0.393
2.4 GHz WiFi/ IEEE 802.11b	22	DSSS	2a	97.87	-0.09	2437.00	6	1	20.50	19.10	Right	5	0.781	1.080
802.15.4	N/A	CW	2a	N/A	0.04	2475.00	25	1	19.00	17.37	Right	5	0.586	0.853
NB U-NII 3	N/A	FHSS	2a	76.76	0.02	5733.00	Low	1	17.00	15.89	Right	5	0.044	0.057
5 GHz WiFi/ IEEE 802.11ac	80	OFDM	2a	97.87	0.08	5775.00	155	29.3	17.75	17.26	Right	5	0.121	0.135
6 GHz WiFi/ IEEE 802.11ax	160	OFDM	2a	97.95	0.03	6025.00	15	68.1	15.75	14.93	Right	5	0.055	0.066
5 GHz WiFi/ IEEE 802.11ac	80	OFDM	WF5B	97.87	-0.01	5610.00	122	29.3	18.50	17.68	Right	5	0.591	0.714
NB U-NII 3	N/A	FHSS	WF5B	76.76	0.04	5733.00	Low	1	18.50	18.81	Right	5	0.322	0.377
6 GHz WiFi/ IEEE 802.11ax	160	OFDM	WF5B	97.95	-0.05	6505.00	111	68.1	13.75	13.20	Right	5	0.280	0.318

Simultaneous Transmissio Bands/Modes		Scaled Multi-Band 1g SAR [W/kg]	Exposure Ratio (1g SAR)
2.4 GHz WiFi Ant 2a	5 GHz WiFi Ant WF5B	1.140	0.713
2.4 GHz WiFi Ant 2a	6 GHz WiFi Ant WF5B	0.898	0.561
2.4 GHz WiFi Ant 2a	NB U-NII Ant WF5B	1.080	0.675
2.4 GHz Bluetooth Ant 2a	5 GHz WiFi Ant WF5B	0.853	0.533
2.4 GHz Bluetooth Ant 2a	6 GHz WiFi Ant WF5B	0.461	0.288
2.4 GHz Bluetooth Ant 2a	NB U-NII Ant WF5B	0.518	0.324
802.15.4 Ant 2a	5 GHz WiFi Ant WF5B	1.020	0.638
802.15.4 Ant 2a	6 GHz WiFi Ant WF5B	0.687	0.429
802.15.4 Ant 2a	NB U-NII Ant WF5B	0.866	0.541
5 GHz WiFi Ant 2a	5 GHz WiFi Ant WF5B	0.765	0.478
5 GHz WiFi Ant 2a	6 GHz WiFi Ant WF5B	0.363	0.227
5 GHz WiFi Ant 2a	NB U-NII Ant WF5B	0.425	0.266
6 GHz WiFi Ant 2a	5 GHz WiFi Ant WF5B	0.760	0.475
6 GHz WiFi Ant 2a	6 GHz WiFi Ant WF5B	0.363	0.227
6 GHz WiFi Ant 2a	NB U-NII Ant WF5B	0.423	0.264
NB U-NII Ant 2a	5 GHz WiFi Ant WF5B	0.726	0.454
NB U-NII Ant 2a	6 GHz WiFi Ant WF5B	0.329	0.206
NB U-NII Ant 2a	NB U-NII Ant WF5B	0.389	0.243

- All volumetric zoom scans were performed with cDASY6/DASY8 SAR system. cDASY6/DASY8 Post processing requires enlarged zoom scans to overlap but does not require measurement point resolutions within the volumes to be identical for interpolation and superposition.
- Each antenna was evaluated independently using the channel/configuration that produced the highest measured SAR when the standalone SAR was tested.
- SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01. The simultaneous transmission SAR results of the individual transmitters were scaled using cDASY6/DASY8 Post processing.

F.5 Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D04v01 and IEEE 1528-2013 Section 6.3.4.1.2

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