

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 predefined cellular antenna clusters (AC): AC1 (Ant 3a, Ant 3b, and Ant 4b), AC2 (Ant 1a, Ant 1b, and Ant 2). Also, there are three pre-defined connectivity antenna clusters: AC1 (Ant WF5T), AC4 (Ant 1a and Ant 1b), and AC5 (Ant 3a and Ant 3b).

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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F.3 Exposure Ratios

Exposure ratio (ER) for different transmitters is calculated as following:

$$ER_{SAR,n} = \frac{SAR_n}{SAR_{limit,n}}, \quad 10 \text{ MHz} < f_u \leq 6 \text{ GHz}$$

$$ER_{APD,n} = \frac{APD_v}{APD_{limit,v}}, \quad 6 \text{ GHz} < f_t \leq 10 \text{ GHz}$$

Where:

- SAR_n is the SAR value for the n -th transmitter/test frequency
- $SAR_{limit,n}$ is the basic restriction limit that is applicable to the n -th transmitter/test frequency
- APD_v is the APD value for the v -th transmitter/test frequency
- $APD_{limit,v}$ is the basic restriction limit that is applicable to the v -th transmitter/test frequency

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Body SAR Simultaneous Transmission Analysis

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.638	0.208	0.130	0.000	0.874*	0.937*
	Top	0.028	0.009	0.218	0.740	0.017	0.000	0.000	0.785	0.766
	Bottom	0.256	0.744	0.018	0.001	0.075	0.000	0.000	0.349	0.837
	Right	0.003	0.041	0.698	0.041	0.000	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.021	0.250	0.012	0.000	0.996*	0.326

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.950**	0.000	0.000	0.953**	0.991**

Table F-3
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.638	0.308	0.130	0.000	0.864*	0.933*
	Top	0.024	0.006	0.218	0.740	0.017	0.000	0.000	0.781	0.763
	Bottom	0.227	0.625	0.018	0.001	0.111	0.000	0.000	0.356	0.754
	Right	0.001	0.038	0.698	0.041	0.000	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.021	0.370	0.012	0.000	0.995*	0.441

Table F-4
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.950**	0.000	0.000	0.951**	0.988**

Table F-5
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.638	0.618	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.740	0.017	0.000	0.000	0.790	0.763*
	Bottom	0.746	0.049	0.018	0.001	0.221	0.000	0.000	0.985	0.288
	Right	0.704	0.046	0.698	0.041	0.000	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.021	0.742	0.012	0.000	0.868	0.767*

Table F-6
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.950**	0.000	0.000	0.950**	0.996**

Table F-7
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.242	0.618	0.038	0.000	0.773*	0.988*
	Top	0.400	0.746	0.089	0.250	0.017	0.000	0.000	0.667	0.996*
	Bottom	0.009	0.005	0.018	0.001	0.221	0.000	0.000	0.248	0.244
	Right	0.745	0.045	0.250	0.041	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.021	0.742	0.012	0.000	0.779	0.794

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Table F-8
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.359	0.618	0.055	0.000	0.828*	0.984*
	Top	0.347	0.625	0.128	0.371	0.017	0.000	0.000	0.735	0.996*
	Bottom	0.009	0.004	0.018	0.001	0.221	0.000	0.000	0.248	0.243
	Right	0.625	0.041	0.359	0.041	0.000	0.366	0.000	0.984*	0.766
	Left	0.004	0.016	0.001	0.021	0.742	0.012	0.000	0.779	0.791

Table F-9
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.266	0.208	0.019	0.000	0.874*	0.937*
	Top	0.028	0.009	0.218	0.233	0.017	0.000	0.000	0.279	0.260
	Bottom	0.256	0.744	0.018	0.000	0.075	0.000	0.000	0.349	0.837
	Right	0.003	0.041	0.698	0.001	0.000	0.266	0.000	0.967	0.698*
	Left	0.746	0.043	0.001	0.000	0.250	0.007	0.000	0.996*	0.301

Table F-10
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.266	0.308	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.218	0.233	0.017	0.001	0.000	0.275	0.257
	Bottom	0.227	0.625	0.018	0.000	0.111	0.000	0.000	0.356	0.754
	Right	0.001	0.038	0.698	0.001	0.000	0.266	0.000	0.965	0.698*
	Left	0.625	0.038	0.001	0.000	0.370	0.007	0.000	0.995*	0.416

Table F-11
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.266	0.618	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.233	0.017	0.001	0.000	0.284	0.763*
	Bottom	0.746	0.049	0.018	0.000	0.221	0.000	0.000	0.985	0.288
	Right	0.704	0.046	0.698	0.001	0.000	0.266	0.000	0.704*	0.744*
	Left	0.093	0.746	0.001	0.000	0.742	0.007	0.000	0.843	0.747*

Table F-12
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.250	0.618	0.019	0.000	0.781*	0.996*
	Top	0.400	0.746	0.089	0.219	0.017	0.001	0.000	0.637	0.983
	Bottom	0.009	0.005	0.018	0.000	0.221	0.000	0.000	0.248	0.244
	Right	0.745	0.045	0.250	0.001	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.000	0.742	0.007	0.000	0.754	0.769

Table F-13
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.266	0.618	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.233	0.017	0.001	0.000	0.598	0.876
	Bottom	0.009	0.004	0.018	0.000	0.221	0.000	0.000	0.248	0.243
	Right	0.625	0.041	0.359	0.001	0.000	0.266	0.000	0.984*	0.666
	Left	0.004	0.016	0.001	0.000	0.742	0.007	0.000	0.754	0.766

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Table F-14

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.208	0.219	0.130	0.000	0.885*	0.948*
	Top	0.028	0.009	0.218	0.017	0.001	0.000	0.000	0.263	0.244
	Bottom	0.256	0.744	0.018	0.075	0.250	0.000	0.000	0.524	0.994*
	Right	0.003	0.041	0.698	0.000	0.024	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.250	0.049	0.012	0.000	0.996*	0.306

Table F-15

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b 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	0.003	0.041	0.950**	0.000	0.024	0.000	0.977**	0.950**

Table F-16

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.308	0.318	0.130	0.000	0.874*	0.943*
	Top	0.024	0.006	0.218	0.017	0.001	0.000	0.000	0.259	0.241
	Bottom	0.227	0.625	0.018	0.111	0.369	0.000	0.000	0.614	0.994*
	Right	0.001	0.038	0.698	0.000	0.024	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.370	0.049	0.012	0.000	0.995*	0.421

Table F-17

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b 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	0.001	0.038	0.950**	0.000	0.024	0.000	0.975**	0.950**

Table F-18

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.618	0.726	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.017	0.001	0.000	0.000	0.268	0.981
	Bottom	0.746	0.049	0.018	0.221	0.746	0.000	0.000	0.764*	0.813
	Right	0.704	0.046	0.698	0.000	0.024	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.742	0.049	0.012	0.000	0.848	0.747*

Table F-19

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.704	0.046	0.950**	0.000	0.024	0.000	0.950**	0.996**

Table F-20

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.618	0.726	0.038	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.017	0.001	0.000	0.000	0.506	0.852
	Bottom	0.009	0.005	0.018	0.221	0.746	0.000	0.000	0.773	0.769
	Right	0.745	0.045	0.250	0.000	0.024	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.001	0.742	0.049	0.012	0.000	0.759	0.774

Table F-21

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

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.618	0.726	0.055	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.017	0.001	0.000	0.000	0.492	0.770
	Bottom	0.009	0.004	0.018	0.221	0.746	0.000	0.000	0.773	0.768
	Right	0.625	0.041	0.359	0.000	0.024	0.366	0.000	0.984*	0.790
	Left	0.004	0.016	0.001	0.742	0.049	0.012	0.000	0.759	0.771

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Table F-22

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.208	0.250	0.019	0.000	0.916*	0.979*
	Top	0.028	0.009	0.218	0.017	0.000	0.001	0.000	0.264	0.245
	Bottom	0.256	0.744	0.018	0.075	0.208	0.000	0.000	0.482	0.970
	Right	0.003	0.041	0.698	0.000	0.001	0.266	0.000	0.968	0.698*
	Left	0.746	0.043	0.001	0.250	0.008	0.007	0.000	0.996*	0.301

Table F-23

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.308	0.275	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.218	0.017	0.000	0.001	0.000	0.260	0.242
	Bottom	0.227	0.625	0.018	0.111	0.229	0.000	0.000	0.474	0.872
	Right	0.001	0.038	0.698	0.000	0.001	0.266	0.000	0.966	0.698*
	Left	0.625	0.038	0.001	0.370	0.008	0.007	0.000	0.995*	0.416

Table F-24

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.618	0.275	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.017	0.000	0.001	0.000	0.269	0.982
	Bottom	0.746	0.049	0.018	0.221	0.229	0.000	0.000	0.993	0.296
	Right	0.704	0.046	0.698	0.000	0.001	0.266	0.000	0.705*	0.744*
	Left	0.093	0.746	0.001	0.742	0.008	0.007	0.000	0.843	0.747*

Table F-25

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.618	0.275	0.019	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.017	0.000	0.001	0.000	0.507	0.853
	Bottom	0.009	0.005	0.018	0.221	0.229	0.000	0.000	0.256	0.252
	Right	0.745	0.045	0.250	0.000	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.742	0.008	0.007	0.000	0.754	0.769

Table F-26

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

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.618	0.275	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.017	0.000	0.001	0.000	0.493	0.771
	Bottom	0.009	0.004	0.018	0.221	0.229	0.000	0.000	0.256	0.251
	Right	0.625	0.041	0.359	0.000	0.001	0.266	0.000	0.984*	0.667
	Left	0.004	0.016	0.001	0.742	0.008	0.007	0.000	0.754	0.766

Table F-27

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.568	0.688	0.196	0.088	0.000	0.862*	0.925*
	Top	0.028	0.009	0.264	0.741	0.013	0.011	0.000	0.793	0.774
	Bottom	0.256	0.744	0.023	0.000	0.111	0.000	0.000	0.390	0.878
	Right	0.003	0.041	0.728	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.000	0.019	0.250	0.030	0.000	0.996*	0.342

Table F-28

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.568	0.688	0.274	0.088	0.000	0.830*	0.899*
	Top	0.024	0.006	0.264	0.741	0.013	0.011	0.000	0.789	0.771
	Bottom	0.227	0.625	0.023	0.000	0.155	0.000	0.000	0.405	0.803
	Right	0.001	0.038	0.728	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.000	0.019	0.350	0.030	0.000	0.975*	0.437

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Table F-29
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.741	0.743	0.568	0.688	0.501	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.264	0.741	0.013	0.011	0.000	0.798	0.759*
	Bottom	0.746	0.049	0.023	0.000	0.218	0.000	0.000	0.987	0.290
	Right	0.704	0.046	0.728	0.029	0.000	0.740	0.000	0.740*	0.774*
	Left	0.093	0.746	0.000	0.019	0.589	0.030	0.000	0.731	0.765*

Table F-30
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.531	0.746	0.199	0.225	0.501	0.031	0.000	0.756*	0.971*
	Top	0.400	0.746	0.085	0.250	0.013	0.011	0.000	0.674	0.996*
	Bottom	0.009	0.005	0.023	0.000	0.218	0.000	0.000	0.250	0.246
	Right	0.745	0.045	0.250	0.029	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.000	0.019	0.589	0.030	0.000	0.642	0.657

Table F-31
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.469	0.625	0.268	0.333	0.501	0.042	0.000	0.802*	0.958*
	Top	0.347	0.625	0.114	0.371	0.013	0.011	0.000	0.742	0.996*
	Bottom	0.009	0.004	0.023	0.000	0.218	0.000	0.000	0.250	0.245
	Right	0.625	0.041	0.337	0.029	0.000	0.349	0.000	0.962*	0.727
	Left	0.004	0.016	0.000	0.019	0.589	0.030	0.000	0.642	0.654

Table F-32
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.568	0.196	0.238	0.088	0.000	0.904*	0.967*
	Top	0.028	0.009	0.264	0.013	0.000	0.011	0.000	0.316	0.297
	Bottom	0.256	0.744	0.023	0.111	0.250	0.000	0.000	0.529	0.994*
	Right	0.003	0.041	0.728	0.000	0.026	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.000	0.250	0.041	0.030	0.000	0.996*	0.323

Table F-33
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.568	0.274	0.353	0.088	0.000	0.909*	0.978*
	Top	0.024	0.006	0.264	0.013	0.000	0.011	0.000	0.312	0.294
	Bottom	0.227	0.625	0.023	0.155	0.371	0.000	0.000	0.621	0.996*
	Right	0.001	0.038	0.728	0.000	0.026	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.000	0.350	0.041	0.030	0.000	0.975*	0.418

Table F-34
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.741	0.743	0.568	0.501	0.554	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.264	0.013	0.000	0.011	0.000	0.321	0.759*
	Bottom	0.746	0.049	0.023	0.218	0.729	0.000	0.000	0.769*	0.801
	Right	0.704	0.046	0.728	0.000	0.026	0.740	0.000	0.740*	0.774*
	Left	0.093	0.746	0.000	0.589	0.041	0.030	0.000	0.712	0.746*

Table F-35
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.531	0.746	0.199	0.501	0.554	0.031	0.000	0.730*	0.945*
	Top	0.400	0.746	0.085	0.013	0.000	0.011	0.000	0.509	0.855
	Bottom	0.009	0.005	0.023	0.218	0.729	0.000	0.000	0.761	0.757
	Right	0.745	0.045	0.250	0.000	0.026	0.250	0.000	0.995*	0.571
	Left	0.004	0.019	0.000	0.589	0.041	0.030	0.000	0.623	0.638

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Table F-36
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.469	0.625	0.268	0.501	0.554	0.042	0.000	0.737*	0.893*
	Top	0.347	0.625	0.114	0.013	0.000	0.011	0.000	0.485	0.763
	Bottom	0.009	0.004	0.023	0.218	0.729	0.000	0.000	0.761	0.756
	Right	0.625	0.041	0.337	0.000	0.026	0.349	0.000	0.962*	0.753
	Left	0.004	0.016	0.000	0.589	0.041	0.030	0.000	0.623	0.635

Table F-37
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.633	0.688	0.208	0.088	0.000	0.874*	0.937*
	Top	0.028	0.009	0.218	0.741	0.017	0.011	0.000	0.797	0.778
	Bottom	0.256	0.744	0.018	0.000	0.075	0.000	0.000	0.349	0.837
	Right	0.003	0.041	0.698	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.019	0.250	0.030	0.000	0.996*	0.342

Table F-38
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.938**	0.000	0.000	0.941**	0.979**

Table F-39
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.633	0.688	0.308	0.088	0.000	0.864*	0.933*
	Top	0.024	0.006	0.218	0.741	0.017	0.011	0.000	0.793	0.775
	Bottom	0.227	0.625	0.018	0.000	0.111	0.000	0.000	0.356	0.754
	Right	0.001	0.038	0.698	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.019	0.370	0.030	0.000	0.995*	0.457

Table F-40
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.938**	0.000	0.000	0.939**	0.976**

Table F-41
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T 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	0.741	0.743	0.633	0.688	0.618	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.741	0.017	0.011	0.000	0.802	0.763*
	Bottom	0.746	0.049	0.018	0.000	0.221	0.000	0.000	0.985	0.288
	Right	0.704	0.046	0.698	0.029	0.000	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.019	0.742	0.030	0.000	0.884	0.765*

Table F-42
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.938**	0.000	0.000	0.938**	0.984**

Table F-43
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T 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	0.531	0.746	0.210	0.225	0.618	0.031	0.000	0.756*	0.971*
	Top	0.400	0.746	0.089	0.250	0.017	0.011	0.000	0.678	0.996*
	Bottom	0.009	0.005	0.018	0.000	0.221	0.000	0.000	0.248	0.244
	Right	0.745	0.045	0.250	0.029	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.019	0.742	0.030	0.000	0.795	0.810

Table F-44
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T 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	0.469	0.625	0.301	0.333	0.618	0.042	0.000	0.802*	0.958*
	Top	0.347	0.625	0.128	0.371	0.017	0.011	0.000	0.746	0.996*
	Bottom	0.009	0.004	0.018	0.000	0.221	0.000	0.000	0.248	0.243
	Right	0.625	0.041	0.359	0.029	0.000	0.349	0.000	0.984*	0.749
	Left	0.004	0.016	0.001	0.019	0.742	0.030	0.000	0.795	0.807

Table F-45
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	NB U-NII Ant 5T ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Back	0.666	0.729	0.633	0.208	0.088	0.000	0.874*	0.937*
	Top	0.028	0.009	0.218	0.017	0.011	0.000	0.274	0.255
	Bottom	0.256	0.744	0.018	0.075	0.000	0.000	0.349	0.837
	Right	0.003	0.041	0.698	0.000	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.250	0.030	0.000	0.996*	0.324

Table F-46
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.938**	0.000	0.000	0.941**	0.979**

Table F-47
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	NB U-NII Ant 5T ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Back	0.556	0.625	0.633	0.308	0.088	0.000	0.864*	0.933*
	Top	0.024	0.006	0.218	0.017	0.011	0.000	0.270	0.252
	Bottom	0.227	0.625	0.018	0.111	0.000	0.000	0.356	0.754
	Right	0.001	0.038	0.698	0.000	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.370	0.030	0.000	0.995*	0.439

Table F-48
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.938**	0.000	0.000	0.939**	0.976**

Table F-49
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Back	0.741	0.743	0.633	0.618	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.017	0.011	0.000	0.279	0.992
	Bottom	0.746	0.049	0.018	0.221	0.000	0.000	0.985	0.288
	Right	0.704	0.046	0.698	0.000	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.742	0.030	0.000	0.866	0.747*

Table F-50
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz WIFI Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.938**	0.000	0.000	0.938**	0.984**

Table F-51
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T 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	Back	0.531	0.746	0.210	0.618	0.031	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.017	0.011	0.000	0.517	0.863
	Bottom	0.009	0.005	0.018	0.221	0.000	0.000	0.248	0.244
	Right	0.745	0.045	0.250	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.742	0.030	0.000	0.777	0.792

Table F-52
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 5T 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	Back	0.469	0.625	0.301	0.618	0.042	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.017	0.011	0.000	0.503	0.781
	Bottom	0.009	0.004	0.018	0.221	0.000	0.000	0.248	0.243
	Right	0.625	0.041	0.359	0.000	0.349	0.000	0.984*	0.749
	Left	0.004	0.016	0.001	0.742	0.030	0.000	0.777	0.789

Table F-53
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.666	0.729	0.130	0.638	0.568	0.196	0.000	0.862*	0.925*
	Top	0.028	0.009	0.000	0.740	0.264	0.013	0.000	0.781	0.762
	Bottom	0.256	0.744	0.000	0.001	0.023	0.111	0.000	0.390	0.878
	Right	0.003	0.041	0.737	0.041	0.728	0.000	0.000	0.737*	0.737*
	Left	0.746	0.043	0.012	0.021	0.000	0.250	0.000	0.996*	0.326

Table F-54
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.556	0.625	0.130	0.638	0.568	0.274	0.000	0.830*	0.899*
	Top	0.024	0.006	0.000	0.740	0.264	0.013	0.000	0.777	0.759
	Bottom	0.227	0.625	0.000	0.001	0.023	0.155	0.000	0.405	0.803
	Right	0.001	0.038	0.737	0.041	0.728	0.000	0.000	0.737*	0.737*
	Left	0.625	0.038	0.012	0.021	0.000	0.350	0.000	0.975*	0.421

Table F-55
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.741	0.743	0.130	0.638	0.568	0.501	0.000	0.741*	0.743*
	Top	0.033	0.746	0.000	0.740	0.264	0.013	0.000	0.758*	0.759*
	Bottom	0.746	0.049	0.000	0.001	0.023	0.218	0.000	0.987	0.290
	Right	0.704	0.046	0.737	0.041	0.728	0.000	0.000	0.737*	0.774*
	Left	0.093	0.746	0.012	0.021	0.000	0.589	0.000	0.715	0.767*

Table F-56
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	5 GHz WIFI Ant 5T Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a 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	0.531	0.746	0.038	0.242	0.199	0.501	0.000	0.773*	0.988*
	Top	0.400	0.746	0.000	0.250	0.085	0.013	0.000	0.663	0.996*
	Bottom	0.009	0.005	0.000	0.001	0.023	0.218	0.000	0.250	0.246
	Right	0.745	0.045	0.250	0.041	0.250	0.000	0.000	0.995*	0.545
	Left	0.004	0.019	0.012	0.021	0.000	0.589	0.000	0.626	0.641

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Table F-57
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	5 GHz WIFI Ant 5T Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a 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	0.469	0.625	0.055	0.359	0.268	0.501	0.000	0.828*	0.984*
	Top	0.347	0.625	0.000	0.371	0.114	0.013	0.000	0.731	0.996*
	Bottom	0.009	0.004	0.000	0.001	0.023	0.218	0.000	0.250	0.245
	Right	0.625	0.041	0.366	0.041	0.337	0.000	0.000	0.962*	0.744
	Left	0.004	0.016	0.012	0.021	0.000	0.589	0.000	0.626	0.638

Table F-58
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.666	0.729	0.019	0.266	0.568	0.196	0.000	0.862*	0.925*
	Top	0.028	0.009	0.001	0.233	0.264	0.013	0.000	0.306	0.287
	Bottom	0.256	0.744	0.000	0.000	0.023	0.111	0.000	0.390	0.878
	Right	0.003	0.041	0.266	0.001	0.728	0.000	0.000	0.728*	0.728*
	Left	0.746	0.043	0.007	0.000	0.000	0.250	0.000	0.996*	0.300

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.556	0.625	0.019	0.266	0.568	0.274	0.000	0.830*	0.899*
	Top	0.024	0.006	0.001	0.233	0.264	0.013	0.000	0.302	0.284
	Bottom	0.227	0.625	0.000	0.000	0.023	0.155	0.000	0.405	0.803
	Right	0.001	0.038	0.266	0.001	0.728	0.000	0.000	0.995	0.728*
	Left	0.625	0.038	0.007	0.000	0.000	0.350	0.000	0.982	0.395

Table F-60
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a 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	0.741	0.743	0.019	0.266	0.568	0.501	0.000	0.741*	0.743*
	Top	0.033	0.746	0.001	0.233	0.264	0.013	0.000	0.311	0.759*
	Bottom	0.746	0.049	0.000	0.000	0.023	0.218	0.000	0.987	0.290
	Right	0.704	0.046	0.266	0.001	0.728	0.000	0.000	0.728*	0.774*
	Left	0.093	0.746	0.007	0.000	0.000	0.589	0.000	0.689	0.746*

Table F-61
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	6 GHz WIFI Ant 5T Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a 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	0.531	0.746	0.019	0.250	0.199	0.501	0.000	0.781*	0.996*
	Top	0.400	0.746	0.001	0.219	0.085	0.013	0.000	0.633	0.979
	Bottom	0.009	0.005	0.000	0.000	0.023	0.218	0.000	0.250	0.246
	Right	0.745	0.045	0.250	0.001	0.250	0.000	0.000	0.995*	0.545
	Left	0.004	0.019	0.007	0.000	0.000	0.589	0.000	0.600	0.615

Table F-62
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	6 GHz WIFI Ant 5T Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a 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	0.469	0.625	0.019	0.266	0.268	0.501	0.000	0.737*	0.893*
	Top	0.347	0.625	0.001	0.233	0.114	0.013	0.000	0.594	0.872
	Bottom	0.009	0.004	0.000	0.000	0.023	0.218	0.000	0.250	0.245
	Right	0.625	0.041	0.266	0.001	0.337	0.000	0.000	0.962*	0.644
	Left	0.004	0.016	0.007	0.000	0.000	0.589	0.000	0.600	0.612

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a 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	0.666	0.729	0.130	0.219	0.196	0.568	0.000	0.885*	0.948*
	Top	0.028	0.009	0.000	0.001	0.013	0.264	0.000	0.305	0.286
	Bottom	0.256	0.744	0.000	0.250	0.111	0.023	0.000	0.529	0.994*
	Right	0.003	0.041	0.737	0.024	0.000	0.728	0.000	0.737*	0.737*
	Left	0.746	0.043	0.012	0.049	0.250	0.000	0.000	0.996*	0.305

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Table F-64

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a 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	0.556	0.625	0.130	0.318	0.274	0.568	0.000	0.874*	0.943*
	Top	0.024	0.006	0.000	0.001	0.013	0.264	0.000	0.301	0.283
	Bottom	0.227	0.625	0.000	0.369	0.155	0.023	0.000	0.619	0.994*
	Right	0.001	0.038	0.737	0.024	0.000	0.728	0.000	0.737*	0.737*
	Left	0.625	0.038	0.012	0.049	0.350	0.000	0.000	0.987	0.400

Table F-65

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.741	0.743	0.130	0.726	0.501	0.568	0.000	0.741*	0.743*
	Top	0.033	0.746	0.000	0.001	0.013	0.264	0.000	0.310	0.759*
	Bottom	0.746	0.049	0.000	0.746	0.218	0.023	0.000	0.769*	0.818
	Right	0.704	0.046	0.737	0.024	0.000	0.728	0.000	0.737*	0.774*
	Left	0.093	0.746	0.012	0.049	0.589	0.000	0.000	0.694	0.746*

Table F-66

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	5 GHz WIFI Ant 5T Reduced to 0.25 ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.531	0.746	0.038	0.726	0.501	0.199	0.000	0.730*	0.945*
	Top	0.400	0.746	0.000	0.001	0.013	0.085	0.000	0.498	0.844
	Bottom	0.009	0.005	0.000	0.746	0.218	0.023	0.000	0.778	0.774
	Right	0.745	0.045	0.250	0.024	0.000	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.012	0.049	0.589	0.000	0.000	0.605	0.620

Table F-67

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

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	5 GHz WIFI Ant 5T Reduced to 0.375 ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.469	0.625	0.055	0.726	0.501	0.268	0.000	0.737*	0.893*
	Top	0.347	0.625	0.000	0.001	0.013	0.114	0.000	0.474	0.752
	Bottom	0.009	0.004	0.000	0.746	0.218	0.023	0.000	0.778	0.773
	Right	0.625	0.041	0.366	0.024	0.000	0.337	0.000	0.962*	0.768
	Left	0.004	0.016	0.012	0.049	0.589	0.000	0.000	0.605	0.617

Table F-68

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a 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	0.666	0.729	0.019	0.250	0.196	0.568	0.000	0.916*	0.979*
	Top	0.028	0.009	0.001	0.000	0.013	0.264	0.000	0.306	0.287
	Bottom	0.256	0.744	0.000	0.208	0.111	0.023	0.000	0.487	0.975
	Right	0.003	0.041	0.266	0.001	0.000	0.728	0.000	0.728*	0.728*
	Left	0.746	0.043	0.007	0.008	0.250	0.000	0.000	0.996*	0.300

Table F-69

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

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a 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	0.556	0.625	0.019	0.275	0.274	0.568	0.000	0.831*	0.900*
	Top	0.024	0.006	0.001	0.000	0.013	0.264	0.000	0.302	0.284
	Bottom	0.227	0.625	0.000	0.229	0.155	0.023	0.000	0.479	0.877
	Right	0.001	0.038	0.266	0.001	0.000	0.728	0.000	0.728*	0.728*
	Left	0.625	0.038	0.007	0.008	0.350	0.000	0.000	0.982	0.395

Table F-70

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.741	0.743	0.019	0.275	0.501	0.568	0.000	0.741*	0.743*
	Top	0.033	0.746	0.001	0.000	0.013	0.264	0.000	0.311	0.759*
	Bottom	0.746	0.049	0.000	0.229	0.218	0.023	0.000	0.769*	0.301
	Right	0.704	0.046	0.266	0.001	0.000	0.728	0.000	0.728*	0.774*
	Left	0.093	0.746	0.007	0.008	0.589	0.000	0.000	0.689	0.746*

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Table F-71

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	6 GHz WIFI Ant 5T Reduced to 0.25 ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.531	0.746	0.019	0.275	0.501	0.199	0.000	0.730*	0.945*
	Top	0.400	0.746	0.001	0.000	0.013	0.085	0.000	0.499	0.845
	Bottom	0.009	0.005	0.000	0.229	0.218	0.023	0.000	0.261	0.257
	Right	0.745	0.045	0.250	0.001	0.000	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.007	0.008	0.589	0.000	0.000	0.600	0.615

Table F-72

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

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	6 GHz WIFI Ant 5T Reduced to 0.375 ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 1a ER	2.4 GHz Bluetooth Ant 3a 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	0.469	0.625	0.019	0.275	0.501	0.268	0.000	0.737*	0.893*
	Top	0.347	0.625	0.001	0.000	0.013	0.114	0.000	0.475	0.753
	Bottom	0.009	0.004	0.000	0.229	0.218	0.023	0.000	0.261	0.256
	Right	0.625	0.041	0.266	0.001	0.000	0.337	0.000	0.962*	0.645
	Left	0.004	0.016	0.007	0.008	0.589	0.000	0.000	0.600	0.612

Table F-73

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.638	0.196	0.130	0.000	0.862*	0.925*
	Top	0.028	0.009	0.218	0.740	0.013	0.000	0.000	0.781	0.762
	Bottom	0.256	0.744	0.018	0.001	0.111	0.000	0.000	0.385	0.873
	Right	0.003	0.041	0.698	0.041	0.000	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.021	0.250	0.012	0.000	0.996*	0.326

Table F-74

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.950**	0.000	0.000	0.953**	0.991**

Table F-75

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.638	0.274	0.130	0.000	0.830*	0.899*
	Top	0.024	0.006	0.218	0.740	0.013	0.000	0.000	0.777	0.759
	Bottom	0.227	0.625	0.018	0.001	0.155	0.000	0.000	0.400	0.798
	Right	0.001	0.038	0.698	0.041	0.000	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.021	0.350	0.012	0.000	0.975*	0.421

Table F-76

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.950**	0.000	0.000	0.951**	0.988**

Table F-77

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.638	0.501	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.740	0.013	0.000	0.000	0.786	0.759*
	Bottom	0.746	0.049	0.018	0.001	0.218	0.000	0.000	0.982	0.285
	Right	0.704	0.046	0.698	0.041	0.000	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.021	0.589	0.012	0.000	0.715	0.767*

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Table F-78
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.950**	0.000	0.000	0.950**	0.996**

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.242	0.501	0.038	0.000	0.773*	0.988*
	Top	0.400	0.746	0.089	0.250	0.013	0.000	0.000	0.663	0.996*
	Bottom	0.009	0.005	0.018	0.001	0.218	0.000	0.000	0.245	0.241
	Right	0.745	0.045	0.250	0.041	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.021	0.589	0.012	0.000	0.626	0.641

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

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.359	0.501	0.055	0.000	0.828*	0.984*
	Top	0.347	0.625	0.128	0.371	0.013	0.000	0.000	0.731	0.996*
	Bottom	0.009	0.004	0.018	0.001	0.218	0.000	0.000	0.245	0.240
	Right	0.625	0.041	0.359	0.041	0.000	0.366	0.000	0.984*	0.766
	Left	0.004	0.016	0.001	0.021	0.589	0.012	0.000	0.626	0.638

Table F-81
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.266	0.196	0.019	0.000	0.862*	0.925*
	Top	0.028	0.009	0.218	0.233	0.013	0.001	0.000	0.275	0.256
	Bottom	0.256	0.744	0.018	0.000	0.111	0.000	0.000	0.385	0.873
	Right	0.003	0.041	0.698	0.001	0.000	0.266	0.000	0.967	0.698*
	Left	0.746	0.043	0.001	0.000	0.250	0.007	0.000	0.996*	0.301

Table F-82
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.266	0.274	0.019	0.000	0.830*	0.899*
	Top	0.024	0.006	0.218	0.233	0.013	0.001	0.000	0.271	0.253
	Bottom	0.227	0.625	0.018	0.000	0.155	0.000	0.000	0.400	0.798
	Right	0.001	0.038	0.698	0.001	0.000	0.266	0.000	0.965	0.698*
	Left	0.625	0.038	0.001	0.000	0.350	0.007	0.000	0.983	0.396

Table F-83
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.266	0.501	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.233	0.013	0.001	0.000	0.280	0.993
	Bottom	0.746	0.049	0.018	0.000	0.218	0.000	0.000	0.982	0.285
	Right	0.704	0.046	0.698	0.001	0.000	0.266	0.000	0.704*	0.744*
	Left	0.093	0.746	0.001	0.000	0.589	0.007	0.000	0.690	0.747*

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.250	0.501	0.019	0.000	0.781*	0.996*
	Top	0.400	0.746	0.089	0.219	0.013	0.001	0.000	0.633	0.979
	Bottom	0.009	0.005	0.018	0.000	0.218	0.000	0.000	0.245	0.241
	Right	0.745	0.045	0.250	0.001	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.000	0.589	0.007	0.000	0.601	0.616

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Table F-85

Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.266	0.501	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.233	0.013	0.001	0.000	0.594	0.872
	Bottom	0.009	0.004	0.018	0.000	0.218	0.000	0.000	0.245	0.240
	Right	0.625	0.041	0.359	0.001	0.000	0.266	0.000	0.984*	0.666
	Left	0.004	0.016	0.001	0.000	0.589	0.007	0.000	0.601	0.613

Table F-86

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.196	0.219	0.130	0.000	0.885*	0.948*
	Top	0.028	0.009	0.218	0.013	0.001	0.000	0.000	0.259	0.240
	Bottom	0.256	0.744	0.018	0.111	0.250	0.000	0.000	0.524	0.994*
	Right	0.003	0.041	0.698	0.000	0.024	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.250	0.049	0.012	0.000	0.996*	0.306

Table F-87

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b 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	0.003	0.041	0.950**	0.000	0.024	0.000	0.977**	0.950**

Table F-88

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.274	0.318	0.130	0.000	0.874*	0.943*
	Top	0.024	0.006	0.218	0.013	0.001	0.000	0.000	0.255	0.237
	Bottom	0.227	0.625	0.018	0.155	0.369	0.000	0.000	0.614	0.994*
	Right	0.001	0.038	0.698	0.000	0.024	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.350	0.049	0.012	0.000	0.988	0.401

Table F-89

Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b 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	0.001	0.038	0.950**	0.000	0.024	0.000	0.975**	0.950**

Table F-90

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.501	0.726	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.013	0.001	0.000	0.000	0.264	0.977
	Bottom	0.746	0.049	0.018	0.218	0.746	0.000	0.000	0.764*	0.813
	Right	0.704	0.046	0.698	0.000	0.024	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.589	0.049	0.012	0.000	0.695	0.747*

Table F-91

Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 1b ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.704	0.046	0.950**	0.000	0.024	0.000	0.950**	0.996**

Table F-92

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.501	0.726	0.038	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.013	0.001	0.000	0.000	0.502	0.848
	Bottom	0.009	0.005	0.018	0.218	0.746	0.000	0.000	0.773	0.769
	Right	0.745	0.045	0.250	0.000	0.024	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.001	0.589	0.049	0.012	0.000	0.606	0.621

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Table F-93
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.501	0.726	0.055	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.013	0.001	0.000	0.000	0.488	0.766
	Bottom	0.009	0.004	0.018	0.218	0.746	0.000	0.000	0.773	0.768
	Right	0.625	0.041	0.359	0.000	0.024	0.366	0.000	0.984*	0.790
	Left	0.004	0.016	0.001	0.589	0.049	0.012	0.000	0.606	0.618

Table F-94
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.196	0.250	0.019	0.000	0.916*	0.979*
	Top	0.028	0.009	0.218	0.013	0.000	0.001	0.000	0.260	0.241
	Bottom	0.256	0.744	0.018	0.111	0.208	0.000	0.000	0.482	0.970
	Right	0.003	0.041	0.698	0.000	0.001	0.266	0.000	0.968	0.698*
	Left	0.746	0.043	0.001	0.250	0.008	0.007	0.000	0.996*	0.301

Table F-95
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.274	0.275	0.019	0.000	0.831*	0.900*
	Top	0.024	0.006	0.218	0.013	0.000	0.001	0.000	0.256	0.238
	Bottom	0.227	0.625	0.018	0.155	0.229	0.000	0.000	0.474	0.872
	Right	0.001	0.038	0.698	0.000	0.001	0.266	0.000	0.966	0.698*
	Left	0.625	0.038	0.001	0.350	0.008	0.007	0.000	0.983	0.396

Table F-96
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.501	0.275	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.013	0.000	0.001	0.000	0.265	0.978
	Bottom	0.746	0.049	0.018	0.218	0.229	0.000	0.000	0.993	0.296
	Right	0.704	0.046	0.698	0.000	0.001	0.266	0.000	0.705*	0.744*
	Left	0.093	0.746	0.001	0.589	0.008	0.007	0.000	0.690	0.747*

Table F-97
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.501	0.275	0.019	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.013	0.000	0.001	0.000	0.503	0.849
	Bottom	0.009	0.005	0.018	0.218	0.229	0.000	0.000	0.256	0.252
	Right	0.745	0.045	0.250	0.000	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.589	0.008	0.007	0.000	0.601	0.616

Table F-98
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.501	0.275	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.013	0.000	0.001	0.000	0.489	0.767
	Bottom	0.009	0.004	0.018	0.218	0.229	0.000	0.000	0.256	0.251
	Right	0.625	0.041	0.359	0.000	0.001	0.266	0.000	0.984*	0.667
	Left	0.004	0.016	0.001	0.589	0.008	0.007	0.000	0.601	0.613

Table F-99
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.568	0.638	0.130	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.264	0.740	0.000	0.000	0.785	0.766
	Bottom	0.256	0.744	0.075	0.023	0.001	0.000	0.000	0.354	0.842
	Right	0.003	0.041	0.000	0.728	0.041	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.250	0.000	0.021	0.012	0.000	0.996*	0.326

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Table F-100
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.568	0.638	0.130	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.264	0.740	0.000	0.000	0.781	0.763
	Bottom	0.227	0.625	0.111	0.023	0.001	0.000	0.000	0.361	0.759
	Right	0.001	0.038	0.000	0.728	0.041	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.370	0.000	0.021	0.012	0.000	0.995*	0.441

Table F-101
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.568	0.638	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.264	0.740	0.000	0.000	0.781	0.763*
	Bottom	0.746	0.049	0.221	0.023	0.001	0.000	0.000	0.990	0.293
	Right	0.704	0.046	0.000	0.728	0.041	0.737	0.000	0.737*	0.774*
	Left	0.093	0.746	0.742	0.000	0.021	0.012	0.000	0.868	0.767*

Table F-102
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.199	0.242	0.038	0.000	0.773*	0.988*
	Top	0.400	0.746	0.017	0.085	0.250	0.000	0.000	0.667	0.996*
	Bottom	0.009	0.005	0.221	0.023	0.001	0.000	0.000	0.253	0.249
	Right	0.745	0.045	0.000	0.250	0.041	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.742	0.000	0.021	0.012	0.000	0.779	0.794

Table F-103
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.268	0.359	0.055	0.000	0.828*	0.984*
	Top	0.347	0.625	0.017	0.114	0.371	0.000	0.000	0.735	0.996*
	Bottom	0.009	0.004	0.221	0.023	0.001	0.000	0.000	0.253	0.248
	Right	0.625	0.041	0.000	0.337	0.041	0.366	0.000	0.962*	0.744
	Left	0.004	0.016	0.742	0.000	0.021	0.012	0.000	0.779	0.791

Table F-104
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.568	0.266	0.019	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.264	0.233	0.001	0.000	0.310	0.291
	Bottom	0.256	0.744	0.075	0.023	0.000	0.000	0.000	0.354	0.842
	Right	0.003	0.041	0.000	0.728	0.001	0.266	0.000	0.728*	0.728*
	Left	0.746	0.043	0.250	0.000	0.000	0.007	0.000	0.996*	0.300

Table F-105
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.568	0.266	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.264	0.233	0.001	0.000	0.306	0.288
	Bottom	0.227	0.625	0.111	0.023	0.000	0.000	0.000	0.361	0.759
	Right	0.001	0.038	0.000	0.728	0.001	0.266	0.000	0.995	0.728*
	Left	0.625	0.038	0.370	0.000	0.000	0.007	0.000	0.995*	0.415

Table F-106
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.568	0.266	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.264	0.233	0.001	0.000	0.315	0.763*
	Bottom	0.746	0.049	0.221	0.023	0.000	0.000	0.000	0.990	0.293
	Right	0.704	0.046	0.000	0.728	0.001	0.266	0.000	0.728*	0.774*
	Left	0.093	0.746	0.742	0.000	0.000	0.007	0.000	0.842	0.746*

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Table F-107
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.199	0.250	0.019	0.000	0.781*	0.996*
	Top	0.400	0.746	0.017	0.085	0.219	0.001	0.000	0.637	0.983
	Bottom	0.009	0.005	0.221	0.023	0.000	0.000	0.000	0.253	0.249
	Right	0.745	0.045	0.000	0.250	0.001	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.742	0.000	0.000	0.007	0.000	0.753	0.768

Table F-108
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.268	0.266	0.019	0.000	0.737*	0.893*
	Top	0.347	0.625	0.017	0.114	0.233	0.001	0.000	0.598	0.876
	Bottom	0.009	0.004	0.221	0.023	0.000	0.000	0.000	0.253	0.248
	Right	0.625	0.041	0.000	0.337	0.001	0.266	0.000	0.962*	0.644
	Left	0.004	0.016	0.742	0.000	0.000	0.007	0.000	0.753	0.765

Table F-109
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.219	0.568	0.130	0.000	0.885*	0.948*
	Top	0.028	0.009	0.017	0.001	0.264	0.000	0.000	0.309	0.290
	Bottom	0.256	0.744	0.075	0.250	0.023	0.000	0.000	0.529	0.994*
	Right	0.003	0.041	0.000	0.024	0.728	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.250	0.049	0.000	0.012	0.000	0.996*	0.305

Table F-110
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.318	0.568	0.130	0.000	0.874*	0.943*
	Top	0.024	0.006	0.017	0.001	0.264	0.000	0.000	0.305	0.287
	Bottom	0.227	0.625	0.111	0.389	0.023	0.000	0.000	0.619	0.994*
	Right	0.001	0.038	0.000	0.024	0.728	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.370	0.049	0.000	0.012	0.000	0.995*	0.420

Table F-111
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.726	0.568	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.001	0.264	0.000	0.000	0.314	0.763*
	Bottom	0.746	0.049	0.221	0.746	0.023	0.000	0.000	0.769*	0.818
	Right	0.704	0.046	0.000	0.024	0.728	0.737	0.000	0.737*	0.774*
	Left	0.093	0.746	0.742	0.049	0.000	0.012	0.000	0.847	0.746*

Table F-112
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.726	0.199	0.038	0.000	0.730*	0.945*
	Top	0.400	0.746	0.017	0.001	0.085	0.000	0.000	0.502	0.848
	Bottom	0.009	0.005	0.221	0.746	0.023	0.000	0.000	0.778	0.774
	Right	0.745	0.045	0.000	0.024	0.250	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.742	0.049	0.000	0.012	0.000	0.758	0.773

Table F-113
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.726	0.268	0.055	0.000	0.737*	0.893*
	Top	0.347	0.625	0.017	0.001	0.114	0.000	0.000	0.478	0.756
	Bottom	0.009	0.004	0.221	0.746	0.023	0.000	0.000	0.778	0.773
	Right	0.625	0.041	0.000	0.024	0.337	0.366	0.000	0.962*	0.768
	Left	0.004	0.016	0.742	0.049	0.000	0.012	0.000	0.758	0.770

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Table F-114
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.250	0.568	0.019	0.000	0.916*	0.979*
	Top	0.028	0.009	0.017	0.000	0.264	0.001	0.000	0.310	0.291
	Bottom	0.256	0.744	0.075	0.208	0.023	0.000	0.000	0.487	0.975
	Right	0.003	0.041	0.000	0.001	0.728	0.266	0.000	0.728*	0.728*
	Left	0.746	0.043	0.250	0.008	0.000	0.007	0.000	0.996*	0.300

Table F-115
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.275	0.568	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.000	0.264	0.001	0.000	0.306	0.288
	Bottom	0.227	0.625	0.111	0.229	0.023	0.000	0.000	0.479	0.877
	Right	0.001	0.038	0.000	0.001	0.728	0.266	0.000	0.728*	0.728*
	Left	0.625	0.038	0.370	0.008	0.000	0.007	0.000	0.995*	0.415

Table F-116
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.275	0.568	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.000	0.264	0.001	0.000	0.315	0.763*
	Bottom	0.746	0.049	0.221	0.229	0.023	0.000	0.000	0.769*	0.301
	Right	0.704	0.046	0.000	0.001	0.728	0.266	0.000	0.728*	0.774*
	Left	0.093	0.746	0.742	0.008	0.000	0.007	0.000	0.842	0.746*

Table F-117
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.275	0.199	0.019	0.000	0.730*	0.945*
	Top	0.400	0.746	0.017	0.000	0.085	0.001	0.000	0.503	0.849
	Bottom	0.009	0.005	0.221	0.229	0.023	0.000	0.000	0.261	0.257
	Right	0.745	0.045	0.000	0.001	0.250	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.742	0.008	0.000	0.007	0.000	0.753	0.768

Table F-118
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.275	0.268	0.019	0.000	0.737*	0.893*
	Top	0.347	0.625	0.017	0.000	0.114	0.001	0.000	0.479	0.757
	Bottom	0.009	0.004	0.221	0.229	0.023	0.000	0.000	0.261	0.256
	Right	0.625	0.041	0.000	0.001	0.337	0.266	0.000	0.962*	0.645
	Left	0.004	0.016	0.742	0.008	0.000	0.007	0.000	0.753	0.765

Table F-119
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.633	0.688	0.196	0.088	0.000	0.862*	0.925*
	Top	0.028	0.009	0.218	0.741	0.013	0.011	0.000	0.793	0.774
	Bottom	0.256	0.744	0.018	0.000	0.111	0.000	0.000	0.385	0.873
	Right	0.003	0.041	0.698	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.019	0.250	0.030	0.000	0.996*	0.342

Table F-120
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.938**	0.000	0.000	0.941**	0.979**

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Table F-121
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.633	0.688	0.274	0.088	0.000	0.830*	0.899*
	Top	0.024	0.006	0.218	0.741	0.013	0.011	0.000	0.789	0.771
	Bottom	0.227	0.625	0.018	0.000	0.155	0.000	0.000	0.400	0.798
	Right	0.001	0.038	0.698	0.029	0.000	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.019	0.350	0.030	0.000	0.975*	0.437

Table F-122
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.938**	0.000	0.000	0.939**	0.976**

Table F-123
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.741	0.743	0.633	0.688	0.501	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.741	0.013	0.011	0.000	0.798	0.759*
	Bottom	0.746	0.049	0.018	0.000	0.218	0.000	0.000	0.982	0.285
	Right	0.704	0.046	0.698	0.029	0.000	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.019	0.589	0.030	0.000	0.731	0.765*

Table F-124
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.938**	0.000	0.000	0.938**	0.984**

Table F-125
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.531	0.746	0.210	0.225	0.501	0.031	0.000	0.756*	0.971*
	Top	0.400	0.746	0.089	0.250	0.013	0.011	0.000	0.674	0.996*
	Bottom	0.009	0.005	0.018	0.000	0.218	0.000	0.000	0.245	0.241
	Right	0.745	0.045	0.250	0.029	0.000	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.001	0.019	0.589	0.030	0.000	0.642	0.657

Table F-126
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 5T 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	0.469	0.625	0.301	0.333	0.501	0.042	0.000	0.802*	0.958*
	Top	0.347	0.625	0.128	0.371	0.013	0.011	0.000	0.742	0.996*
	Bottom	0.009	0.004	0.018	0.000	0.218	0.000	0.000	0.245	0.240
	Right	0.625	0.041	0.359	0.029	0.000	0.349	0.000	0.984*	0.749
	Left	0.004	0.016	0.001	0.019	0.589	0.030	0.000	0.642	0.654

Table F-127
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.633	0.196	0.238	0.088	0.000	0.904*	0.967*
	Top	0.028	0.009	0.218	0.013	0.000	0.011	0.000	0.270	0.251
	Bottom	0.256	0.744	0.018	0.111	0.250	0.000	0.000	0.524	0.994*
	Right	0.003	0.041	0.698	0.000	0.026	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.250	0.041	0.030	0.000	0.996*	0.324

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Table F-128
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b 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	0.003	0.041	0.938**	0.000	0.026	0.000	0.967**	0.938**

Table F-129
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.633	0.274	0.353	0.088	0.000	0.909*	0.978*
	Top	0.024	0.006	0.218	0.013	0.000	0.011	0.000	0.266	0.248
	Bottom	0.227	0.625	0.018	0.155	0.371	0.000	0.000	0.616	0.996*
	Right	0.001	0.038	0.698	0.000	0.026	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.350	0.041	0.030	0.000	0.975*	0.419

Table F-130
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b 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	0.001	0.038	0.938**	0.000	0.026	0.000	0.965**	0.938**

Table F-131
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.741	0.743	0.633	0.501	0.554	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.013	0.000	0.011	0.000	0.275	0.988
	Bottom	0.746	0.049	0.018	0.218	0.729	0.000	0.000	0.764*	0.796
	Right	0.704	0.046	0.698	0.000	0.026	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.589	0.041	0.030	0.000	0.713	0.747*

Table F-132
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.704	0.046	0.938**	0.000	0.026	0.000	0.938**	0.984**

Table F-133
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.531	0.746	0.210	0.501	0.554	0.031	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.013	0.000	0.011	0.000	0.513	0.859
	Bottom	0.009	0.005	0.018	0.218	0.729	0.000	0.000	0.756	0.752
	Right	0.745	0.045	0.250	0.000	0.026	0.250	0.000	0.995*	0.571
	Left	0.004	0.019	0.001	0.589	0.041	0.030	0.000	0.624	0.639

Table F-134
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.469	0.625	0.301	0.501	0.554	0.042	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.013	0.000	0.011	0.000	0.499	0.777
	Bottom	0.009	0.004	0.018	0.218	0.729	0.000	0.000	0.756	0.751
	Right	0.625	0.041	0.359	0.000	0.026	0.349	0.000	0.984*	0.775
	Left	0.004	0.016	0.001	0.589	0.041	0.030	0.000	0.624	0.636

Table F-135
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.666	0.729	0.208	0.568	0.688	0.088	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.264	0.741	0.011	0.000	0.797	0.778
	Bottom	0.256	0.744	0.075	0.023	0.000	0.000	0.000	0.354	0.842
	Right	0.003	0.041	0.000	0.728	0.029	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.250	0.000	0.019	0.030	0.000	0.996*	0.342

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Table F-136
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.556	0.625	0.308	0.568	0.688	0.088	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.264	0.741	0.011	0.000	0.793	0.775
	Bottom	0.227	0.625	0.111	0.023	0.000	0.000	0.000	0.361	0.759
	Right	0.001	0.038	0.000	0.728	0.029	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.370	0.000	0.019	0.030	0.000	0.995*	0.457

Table F-137
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.741	0.743	0.618	0.568	0.688	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.264	0.741	0.011	0.000	0.793	0.763*
	Bottom	0.746	0.049	0.221	0.023	0.000	0.000	0.000	0.990	0.293
	Right	0.704	0.046	0.000	0.728	0.029	0.740	0.000	0.740*	0.774*
	Left	0.093	0.746	0.742	0.000	0.019	0.030	0.000	0.884	0.765*

Table F-138
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.531	0.746	0.618	0.199	0.225	0.031	0.000	0.756*	0.971*
	Top	0.400	0.746	0.017	0.085	0.250	0.011	0.000	0.678	0.996*
	Bottom	0.009	0.005	0.221	0.023	0.000	0.000	0.000	0.253	0.249
	Right	0.745	0.045	0.000	0.250	0.029	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.742	0.000	0.019	0.030	0.000	0.795	0.810

Table F-139
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.469	0.625	0.618	0.268	0.333	0.042	0.000	0.802*	0.958*
	Top	0.347	0.625	0.017	0.114	0.371	0.011	0.000	0.746	0.996*
	Bottom	0.009	0.004	0.221	0.023	0.000	0.000	0.000	0.253	0.248
	Right	0.625	0.041	0.000	0.337	0.029	0.349	0.000	0.962*	0.727
	Left	0.004	0.016	0.742	0.000	0.019	0.030	0.000	0.795	0.807

Table F-140
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 5T 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	0.666	0.729	0.208	0.238	0.568	0.088	0.000	0.904*	0.967*
	Top	0.028	0.009	0.017	0.000	0.264	0.011	0.000	0.320	0.301
	Bottom	0.256	0.744	0.075	0.250	0.023	0.000	0.000	0.529	0.994*
	Right	0.003	0.041	0.000	0.026	0.728	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.250	0.041	0.000	0.030	0.000	0.996*	0.323

Table F-141
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 5T 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	0.556	0.625	0.308	0.353	0.568	0.088	0.000	0.909*	0.978*
	Top	0.024	0.006	0.017	0.000	0.264	0.011	0.000	0.316	0.298
	Bottom	0.227	0.625	0.111	0.371	0.023	0.000	0.000	0.621	0.996*
	Right	0.001	0.038	0.000	0.026	0.728	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.370	0.041	0.000	0.030	0.000	0.995*	0.438

Table F-142
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	NB U-NII Ant 5T 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	0.741	0.743	0.618	0.554	0.568	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.000	0.264	0.011	0.000	0.325	0.763*
	Bottom	0.746	0.049	0.221	0.729	0.023	0.000	0.000	0.769*	0.801
	Right	0.704	0.046	0.000	0.026	0.728	0.740	0.000	0.740*	0.774*
	Left	0.093	0.746	0.742	0.041	0.000	0.030	0.000	0.865	0.746*

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Table F-143
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.531	0.746	0.618	0.554	0.199	0.031	0.000	0.730*	0.945*
	Top	0.400	0.746	0.017	0.000	0.085	0.011	0.000	0.513	0.859
	Bottom	0.009	0.005	0.221	0.729	0.023	0.000	0.000	0.761	0.757
	Right	0.745	0.045	0.000	0.026	0.250	0.250	0.000	0.995*	0.571
	Left	0.004	0.019	0.742	0.041	0.000	0.030	0.000	0.776	0.791

Table F-144
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	2.4 GHz Bluetooth Ant 3a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.469	0.625	0.618	0.554	0.268	0.042	0.000	0.737*	0.893*
	Top	0.347	0.625	0.017	0.000	0.114	0.011	0.000	0.489	0.767
	Bottom	0.009	0.004	0.221	0.729	0.023	0.000	0.000	0.761	0.756
	Right	0.625	0.041	0.000	0.026	0.337	0.349	0.000	0.962*	0.753
	Left	0.004	0.016	0.742	0.041	0.000	0.030	0.000	0.776	0.788

Table F-145
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	802.15.4 Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.638	0.213	0.130	0.000	0.879*	0.942*
	Top	0.028	0.009	0.218	0.740	0.014	0.000	0.000	0.782	0.763
	Bottom	0.256	0.744	0.018	0.001	0.106	0.000	0.000	0.380	0.868
	Right	0.003	0.041	0.698	0.041	0.001	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.021	0.250	0.012	0.000	0.996*	0.326

Table F-146
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.950**	0.001	0.000	0.954**	0.992**

Table F-147
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	802.15.4 Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.638	0.284	0.130	0.000	0.840*	0.909*
	Top	0.024	0.006	0.218	0.740	0.014	0.000	0.000	0.778	0.760
	Bottom	0.227	0.625	0.018	0.001	0.141	0.000	0.000	0.386	0.784
	Right	0.001	0.038	0.698	0.041	0.001	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.021	0.333	0.012	0.000	0.991	0.404

Table F-148
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.950**	0.001	0.000	0.952**	0.989**

Table F-149
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	5 GHz WIFI Ant 3b ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.638	0.554	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.740	0.014	0.000	0.000	0.787	0.760*
	Bottom	0.746	0.049	0.018	0.001	0.264	0.000	0.000	0.764*	0.331
	Right	0.704	0.046	0.698	0.041	0.001	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.021	0.639	0.012	0.000	0.765	0.767*

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Table F-150
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.950**	0.001	0.000	0.950**	0.996**

Table F-151
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.242	0.554	0.038	0.000	0.773*	0.988*
	Top	0.400	0.746	0.089	0.250	0.014	0.000	0.000	0.664	0.996*
	Bottom	0.009	0.005	0.018	0.001	0.264	0.000	0.000	0.291	0.287
	Right	0.745	0.045	0.250	0.041	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.021	0.639	0.012	0.000	0.676	0.691

Table F-152
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.359	0.554	0.055	0.000	0.828*	0.984*
	Top	0.347	0.625	0.128	0.371	0.014	0.000	0.000	0.732	0.996*
	Bottom	0.009	0.004	0.018	0.001	0.264	0.000	0.000	0.291	0.286
	Right	0.625	0.041	0.359	0.041	0.001	0.366	0.000	0.984*	0.767
	Left	0.004	0.016	0.001	0.021	0.639	0.012	0.000	0.676	0.688

Table F-153
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	802.15.4 Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.266	0.213	0.019	0.000	0.879*	0.942*
	Top	0.028	0.009	0.218	0.233	0.014	0.001	0.000	0.276	0.257
	Bottom	0.256	0.744	0.018	0.000	0.106	0.000	0.000	0.380	0.868
	Right	0.003	0.041	0.698	0.001	0.001	0.266	0.000	0.968	0.698*
	Left	0.746	0.043	0.001	0.000	0.250	0.007	0.000	0.996*	0.301

Table F-154
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	802.15.4 Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.266	0.284	0.019	0.000	0.840*	0.909*
	Top	0.024	0.006	0.218	0.233	0.014	0.001	0.000	0.272	0.254
	Bottom	0.227	0.625	0.018	0.000	0.141	0.000	0.000	0.386	0.784
	Right	0.001	0.038	0.698	0.001	0.001	0.266	0.000	0.966	0.698*
	Left	0.625	0.038	0.001	0.000	0.333	0.007	0.000	0.966	0.379

Table F-155
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	6 GHz WIFI Ant 3b ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.266	0.554	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.233	0.014	0.001	0.000	0.281	0.994
	Bottom	0.746	0.049	0.018	0.000	0.264	0.000	0.000	0.764*	0.331
	Right	0.704	0.046	0.698	0.001	0.001	0.266	0.000	0.705*	0.744*
	Left	0.093	0.746	0.001	0.000	0.639	0.007	0.000	0.740	0.747*

Table F-156
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.250	0.554	0.019	0.000	0.781*	0.996*
	Top	0.400	0.746	0.089	0.219	0.014	0.001	0.000	0.634	0.980
	Bottom	0.009	0.005	0.018	0.000	0.264	0.000	0.000	0.291	0.287
	Right	0.745	0.045	0.250	0.001	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.000	0.639	0.007	0.000	0.651	0.666

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Table F-157
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.266	0.554	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.233	0.014	0.001	0.000	0.595	0.873
	Bottom	0.009	0.004	0.018	0.000	0.264	0.000	0.000	0.291	0.286
	Right	0.625	0.041	0.359	0.001	0.001	0.266	0.000	0.984*	0.667
	Left	0.004	0.016	0.001	0.000	0.639	0.007	0.000	0.651	0.663

Table F-158
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.213	0.219	0.130	0.000	0.885*	0.948*
	Top	0.028	0.009	0.218	0.014	0.001	0.000	0.000	0.260	0.241
	Bottom	0.256	0.744	0.018	0.106	0.250	0.000	0.000	0.524	0.994*
	Right	0.003	0.041	0.698	0.001	0.024	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.001	0.250	0.049	0.012	0.000	0.996*	0.306

Table F-159
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b 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	0.003	0.041	0.950**	0.001	0.024	0.000	0.977**	0.950**

Table F-160
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.284	0.318	0.130	0.000	0.874*	0.943*
	Top	0.024	0.006	0.218	0.014	0.001	0.000	0.000	0.256	0.238
	Bottom	0.227	0.625	0.018	0.141	0.369	0.000	0.000	0.614	0.994*
	Right	0.001	0.038	0.698	0.001	0.024	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.001	0.333	0.049	0.012	0.000	0.971	0.384

Table F-161
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b 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	0.001	0.038	0.950**	0.001	0.024	0.000	0.975**	0.950**

Table F-162
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.554	0.726	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.014	0.001	0.000	0.000	0.265	0.978
	Bottom	0.746	0.049	0.018	0.264	0.746	0.000	0.000	0.764*	0.813
	Right	0.704	0.046	0.698	0.001	0.024	0.737	0.000	0.737*	0.744*
	Left	0.093	0.746	0.001	0.639	0.049	0.012	0.000	0.745	0.747*

Table F-163
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + 5 GHz WIFI Ant 5T ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 1b ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.704	0.046	0.950**	0.001	0.024	0.000	0.950**	0.996**

Table F-164
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.554	0.726	0.038	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.014	0.001	0.000	0.000	0.503	0.849
	Bottom	0.009	0.005	0.018	0.264	0.746	0.000	0.000	0.773	0.769
	Right	0.745	0.045	0.250	0.001	0.024	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.001	0.639	0.049	0.012	0.000	0.656	0.671

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Table F-165
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.554	0.726	0.055	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.014	0.001	0.000	0.000	0.489	0.767
	Bottom	0.009	0.004	0.018	0.264	0.746	0.000	0.000	0.773	0.768
	Right	0.625	0.041	0.359	0.001	0.024	0.366	0.000	0.984*	0.790
	Left	0.004	0.016	0.001	0.639	0.049	0.012	0.000	0.656	0.668

Table F-166
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.633	0.213	0.250	0.019	0.000	0.916*	0.979*
	Top	0.028	0.009	0.218	0.014	0.000	0.001	0.000	0.261	0.242
	Bottom	0.256	0.744	0.018	0.106	0.208	0.000	0.000	0.482	0.970
	Right	0.003	0.041	0.698	0.001	0.001	0.266	0.000	0.968	0.698*
	Left	0.746	0.043	0.001	0.250	0.008	0.007	0.000	0.996*	0.301

Table F-167
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.633	0.284	0.275	0.019	0.000	0.840*	0.909*
	Top	0.024	0.006	0.218	0.014	0.000	0.001	0.000	0.257	0.239
	Bottom	0.227	0.625	0.018	0.141	0.229	0.000	0.000	0.474	0.872
	Right	0.001	0.038	0.698	0.001	0.001	0.266	0.000	0.966	0.698*
	Left	0.625	0.038	0.001	0.333	0.008	0.007	0.000	0.966	0.379

Table F-168
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.633	0.554	0.275	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.014	0.000	0.001	0.000	0.266	0.979
	Bottom	0.746	0.049	0.018	0.264	0.229	0.000	0.000	0.764*	0.331
	Right	0.704	0.046	0.698	0.001	0.001	0.266	0.000	0.705*	0.744*
	Left	0.093	0.746	0.001	0.639	0.008	0.007	0.000	0.740	0.747*

Table F-169
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.210	0.554	0.275	0.019	0.000	0.741*	0.956*
	Top	0.400	0.746	0.089	0.014	0.000	0.001	0.000	0.504	0.850
	Bottom	0.009	0.005	0.018	0.264	0.229	0.000	0.000	0.291	0.287
	Right	0.745	0.045	0.250	0.001	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.639	0.008	0.007	0.000	0.651	0.666

Table F-170
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.301	0.554	0.725	0.019	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.014	0.000	0.001	0.000	0.490	0.768
	Bottom	0.009	0.004	0.018	0.264	0.229	0.000	0.000	0.291	0.286
	Right	0.625	0.041	0.359	0.001	0.001	0.266	0.000	0.984*	0.667
	Left	0.004	0.016	0.001	0.639	0.008	0.007	0.000	0.651	0.663

Table F-171
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.566	0.638	0.130	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.229	0.740	0.000	0.000	0.785	0.766
	Bottom	0.256	0.744	0.075	0.019	0.001	0.000	0.000	0.350	0.838
	Right	0.003	0.041	0.000	0.724	0.041	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.250	0.000	0.021	0.012	0.000	0.996*	0.326

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Table F-172
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.566	0.638	0.130	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.229	0.740	0.000	0.000	0.781	0.763
	Bottom	0.227	0.625	0.111	0.019	0.001	0.000	0.000	0.357	0.755
	Right	0.001	0.038	0.000	0.724	0.041	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.370	0.000	0.021	0.012	0.000	0.995*	0.441

Table F-173
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.566	0.638	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.229	0.740	0.000	0.000	0.781	0.763*
	Bottom	0.746	0.049	0.221	0.019	0.001	0.000	0.000	0.986	0.289
	Right	0.704	0.046	0.000	0.724	0.041	0.737	0.000	0.737*	0.770*
	Left	0.093	0.746	0.742	0.000	0.021	0.012	0.000	0.868	0.767*

Table F-174
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 3b Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.162	0.242	0.038	0.000	0.773*	0.988*
	Top	0.400	0.746	0.017	0.073	0.250	0.000	0.000	0.667	0.996*
	Bottom	0.009	0.005	0.221	0.019	0.001	0.000	0.000	0.249	0.245
	Right	0.745	0.045	0.000	0.250	0.041	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.742	0.000	0.021	0.012	0.000	0.779	0.794

Table F-175
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 3b Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.239	0.359	0.055	0.000	0.828*	0.984*
	Top	0.347	0.625	0.017	0.107	0.371	0.000	0.000	0.735	0.996*
	Bottom	0.009	0.004	0.221	0.019	0.001	0.000	0.000	0.249	0.244
	Right	0.625	0.041	0.000	0.370	0.041	0.366	0.000	0.995*	0.777
	Left	0.004	0.016	0.742	0.000	0.021	0.012	0.000	0.779	0.791

Table F-176
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.566	0.266	0.019	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.229	0.233	0.001	0.000	0.279	0.260
	Bottom	0.256	0.744	0.075	0.019	0.000	0.000	0.000	0.350	0.838
	Right	0.003	0.041	0.000	0.724	0.001	0.266	0.000	0.993	0.724*
	Left	0.746	0.043	0.250	0.000	0.000	0.007	0.000	0.996*	0.300

Table F-177
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.566	0.266	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.229	0.233	0.001	0.000	0.275	0.257
	Bottom	0.227	0.625	0.111	0.019	0.000	0.000	0.000	0.357	0.755
	Right	0.001	0.038	0.000	0.724	0.001	0.266	0.000	0.991	0.724*
	Left	0.625	0.038	0.370	0.000	0.000	0.007	0.000	0.995*	0.415

Table F-178
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.566	0.266	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.229	0.233	0.001	0.000	0.284	0.763*
	Bottom	0.746	0.049	0.221	0.019	0.000	0.000	0.000	0.986	0.289
	Right	0.704	0.046	0.000	0.724	0.001	0.266	0.000	0.724*	0.770*
	Left	0.093	0.746	0.742	0.000	0.000	0.007	0.000	0.842	0.746*

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Table F-179
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 3b Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.162	0.250	0.019	0.000	0.781*	0.996*
	Top	0.400	0.746	0.017	0.073	0.219	0.001	0.000	0.637	0.983
	Bottom	0.009	0.005	0.221	0.019	0.000	0.000	0.000	0.249	0.245
	Right	0.745	0.045	0.000	0.250	0.001	0.250	0.000	0.995*	0.545
	Left	0.004	0.019	0.742	0.000	0.000	0.007	0.000	0.753	0.768

Table F-180
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 3b Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.239	0.266	0.019	0.000	0.735*	0.991*
	Top	0.347	0.625	0.017	0.107	0.233	0.001	0.000	0.598	0.876
	Bottom	0.009	0.004	0.221	0.019	0.000	0.000	0.000	0.249	0.244
	Right	0.625	0.041	0.000	0.370	0.001	0.266	0.000	0.995*	0.677
	Left	0.004	0.016	0.742	0.000	0.000	0.007	0.000	0.753	0.765

Table F-181
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	5 GHz WIFI Ant 1b Reduced to 0.25 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.219	0.566	0.130	0.000	0.885*	0.948*
	Top	0.028	0.009	0.017	0.001	0.229	0.000	0.000	0.274	0.255
	Bottom	0.256	0.744	0.075	0.250	0.019	0.000	0.000	0.525	0.994*
	Right	0.003	0.041	0.000	0.024	0.724	0.737	0.000	0.737*	0.737*
	Left	0.746	0.043	0.250	0.049	0.000	0.012	0.000	0.996*	0.305

Table F-182
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	5 GHz WIFI Ant 1b Reduced to 0.375 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.318	0.566	0.130	0.000	0.874*	0.943*
	Top	0.024	0.006	0.017	0.001	0.229	0.000	0.000	0.270	0.252
	Bottom	0.227	0.625	0.111	0.389	0.019	0.000	0.000	0.615	0.994*
	Right	0.001	0.038	0.000	0.024	0.724	0.737	0.000	0.737*	0.737*
	Left	0.625	0.038	0.370	0.049	0.000	0.012	0.000	0.995*	0.420

Table F-183
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.726	0.566	0.130	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.001	0.229	0.000	0.000	0.279	0.992
	Bottom	0.746	0.049	0.221	0.746	0.019	0.000	0.000	0.765*	0.814
	Right	0.704	0.046	0.000	0.024	0.724	0.737	0.000	0.737*	0.770*
	Left	0.093	0.746	0.742	0.049	0.000	0.012	0.000	0.847	0.746*

Table F-184
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	802.15.4 Ant 3a Reduced to 0.25 ER	5 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.726	0.162	0.038	0.000	0.726*	0.908*
	Top	0.400	0.746	0.017	0.001	0.073	0.000	0.000	0.490	0.836
	Bottom	0.009	0.005	0.221	0.746	0.019	0.000	0.000	0.774	0.770
	Right	0.745	0.045	0.000	0.024	0.250	0.250	0.000	0.995*	0.569
	Left	0.004	0.019	0.742	0.049	0.000	0.012	0.000	0.758	0.773

Table F-185
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	5 GHz WIFI Ant 1b ER	802.15.4 Ant 3a Reduced to 0.375 ER	5 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.726	0.239	0.055	0.000	0.726*	0.864*
	Top	0.347	0.625	0.017	0.001	0.107	0.000	0.000	0.471	0.749
	Bottom	0.009	0.004	0.221	0.746	0.019	0.000	0.000	0.774	0.769
	Right	0.625	0.041	0.000	0.024	0.370	0.366	0.000	0.995*	0.801
	Left	0.004	0.016	0.742	0.049	0.000	0.012	0.000	0.758	0.770

Table F-186
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	6 GHz WIFI Ant 1b Reduced to 0.25 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 5T 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	0.666	0.729	0.208	0.250	0.566	0.019	0.000	0.916*	0.979*
	Top	0.028	0.009	0.017	0.000	0.229	0.001	0.000	0.275	0.256
	Bottom	0.256	0.744	0.075	0.208	0.019	0.000	0.000	0.483	0.971
	Right	0.003	0.041	0.000	0.001	0.724	0.266	0.000	0.994	0.724*
	Left	0.746	0.043	0.250	0.008	0.000	0.007	0.000	0.996*	0.300

Table F-187
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	6 GHz WIFI Ant 1b Reduced to 0.375 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 5T 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	0.556	0.625	0.308	0.275	0.566	0.019	0.000	0.864*	0.933*
	Top	0.024	0.006	0.017	0.000	0.229	0.001	0.000	0.271	0.253
	Bottom	0.227	0.625	0.111	0.229	0.019	0.000	0.000	0.475	0.873
	Right	0.001	0.038	0.000	0.001	0.724	0.266	0.000	0.992	0.724*
	Left	0.625	0.038	0.370	0.008	0.000	0.007	0.000	0.995*	0.415

Table F-188
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 5T 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	0.741	0.743	0.618	0.275	0.566	0.019	0.000	0.741*	0.743*
	Top	0.033	0.746	0.017	0.000	0.229	0.001	0.000	0.280	0.993
	Bottom	0.746	0.049	0.221	0.229	0.019	0.000	0.000	0.994	0.297
	Right	0.704	0.046	0.000	0.001	0.724	0.266	0.000	0.724*	0.770*
	Left	0.093	0.746	0.742	0.008	0.000	0.007	0.000	0.842	0.746*

Table F-189
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	802.15.4 Ant 3a Reduced to 0.25 ER	6 GHz WIFI Ant 5T 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	0.531	0.746	0.618	0.275	0.162	0.019	0.000	0.693*	0.908*
	Top	0.400	0.746	0.017	0.000	0.073	0.001	0.000	0.491	0.837
	Bottom	0.009	0.005	0.221	0.229	0.019	0.000	0.000	0.257	0.253
	Right	0.745	0.045	0.000	0.001	0.250	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.742	0.008	0.000	0.007	0.000	0.753	0.768

Table F-190
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	6 GHz WIFI Ant 1b ER	802.15.4 Ant 3a Reduced to 0.375 ER	6 GHz WIFI Ant 5T 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	0.469	0.625	0.618	0.275	0.239	0.019	0.000	0.708*	0.864*
	Top	0.347	0.625	0.017	0.000	0.107	0.001	0.000	0.472	0.750
	Bottom	0.009	0.004	0.221	0.229	0.019	0.000	0.000	0.257	0.252
	Right	0.625	0.041	0.000	0.001	0.370	0.266	0.000	0.995*	0.678
	Left	0.004	0.016	0.742	0.008	0.000	0.007	0.000	0.753	0.765

Table F-191
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII Tx BF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	802.15.4 Ant 1a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.633	0.688	0.213	0.088	0.000	0.879*	0.942*
	Top	0.028	0.009	0.218	0.741	0.014	0.011	0.000	0.794	0.775
	Bottom	0.256	0.744	0.018	0.000	0.106	0.000	0.000	0.380	0.868
	Right	0.003	0.041	0.698	0.029	0.001	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.019	0.250	0.030	0.000	0.996*	0.342

Table F-192
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.003	0.041	0.938**	0.001	0.000	0.942**	0.980**

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Table F-193
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	802.15.4 Ant 1a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.633	0.688	0.284	0.088	0.000	0.840*	0.909*
	Top	0.024	0.006	0.218	0.741	0.014	0.011	0.000	0.790	0.772
	Bottom	0.227	0.625	0.018	0.000	0.141	0.000	0.000	0.386	0.784
	Right	0.001	0.038	0.698	0.029	0.001	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.019	0.333	0.030	0.000	0.958*	0.420

Table F-194
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.001	0.038	0.938**	0.001	0.000	0.940**	0.977**

Table F-195
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	NB U-NII Ant 3b ER	802.15.4 Ant 1a ER	NB U-NII Ant 5T 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	0.741	0.743	0.633	0.688	0.554	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.741	0.014	0.011	0.000	0.799	0.760*
	Bottom	0.746	0.049	0.018	0.000	0.264	0.000	0.000	0.764*	0.331
	Right	0.704	0.046	0.698	0.029	0.001	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.019	0.639	0.030	0.000	0.781	0.765*

Table F-196
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a ER	WPT ER	Σ ER	
		1	2	3	4	5	1+3+4+5	2+3+4+5
Body SAR	Right	0.704	0.046	0.938**	0.001	0.000	0.938**	0.985**

Table F-197
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	802.15.4 Ant 1a ER	NB U-NII Ant 5T 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	0.531	0.746	0.210	0.225	0.554	0.031	0.000	0.756*	0.971*
	Top	0.400	0.746	0.089	0.250	0.014	0.011	0.000	0.675	0.996*
	Bottom	0.009	0.005	0.018	0.000	0.264	0.000	0.000	0.291	0.287
	Right	0.745	0.045	0.250	0.029	0.001	0.250	0.000	0.995*	0.546
	Left	0.004	0.019	0.001	0.019	0.639	0.030	0.000	0.692	0.707

Table F-198
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	802.15.4 Ant 1a ER	NB U-NII Ant 5T 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	0.469	0.625	0.301	0.333	0.554	0.042	0.000	0.802*	0.958*
	Top	0.347	0.625	0.128	0.371	0.014	0.011	0.000	0.743	0.996*
	Bottom	0.009	0.004	0.018	0.000	0.264	0.000	0.000	0.291	0.286
	Right	0.625	0.041	0.359	0.029	0.001	0.349	0.000	0.984*	0.750
	Left	0.004	0.016	0.001	0.019	0.639	0.030	0.000	0.692	0.704

Table F-199
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.666	0.729	0.633	0.213	0.238	0.088	0.000	0.904*	0.967*
	Top	0.028	0.009	0.218	0.014	0.000	0.011	0.000	0.271	0.252
	Bottom	0.256	0.744	0.018	0.106	0.250	0.000	0.000	0.524	0.994*
	Right	0.003	0.041	0.698	0.001	0.026	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.001	0.250	0.041	0.030	0.000	0.996*	0.324

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Table F-200
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b 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	0.003	0.041	0.938**	0.001	0.026	0.000	0.967**	0.938**

Table F-201
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.556	0.625	0.633	0.284	0.353	0.088	0.000	0.909*	0.978*
	Top	0.024	0.006	0.218	0.014	0.000	0.011	0.000	0.267	0.249
	Bottom	0.227	0.625	0.018	0.141	0.371	0.000	0.000	0.616	0.996*
	Right	0.001	0.038	0.698	0.001	0.026	0.740	0.000	0.740*	0.740*
	Left	0.625	0.038	0.001	0.333	0.041	0.030	0.000	0.989	0.402

Table F-202
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b 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	0.001	0.038	0.938**	0.001	0.026	0.000	0.965**	0.938**

Table F-203
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.741	0.743	0.633	0.554	0.554	0.088	0.000	0.741*	0.743*
	Top	0.033	0.746	0.218	0.014	0.000	0.011	0.000	0.276	0.989
	Bottom	0.746	0.049	0.018	0.264	0.729	0.000	0.000	0.764*	0.796
	Right	0.704	0.046	0.698	0.001	0.026	0.740	0.000	0.740*	0.744*
	Left	0.093	0.746	0.001	0.639	0.041	0.030	0.000	0.763	0.747*

Table F-204
Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a + NB U-NII Ant 5T ER	802.15.4 Ant 1a ER	NB U-NII Ant 1b ER	WPT ER	Σ ER	
		1	2	3	4	5	6	1+3+4+5+6	2+3+4+5+6
Body SAR	Right	0.704	0.046	0.938**	0.001	0.026	0.000	0.938**	0.984**

Table F-205
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a Reduced to 0.25 ER	802.15.4 Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.531	0.746	0.210	0.554	0.554	0.031	0.000	0.741*	0.958*
	Top	0.400	0.746	0.089	0.014	0.000	0.011	0.000	0.514	0.860
	Bottom	0.009	0.005	0.018	0.264	0.729	0.000	0.000	0.756	0.752
	Right	0.745	0.045	0.250	0.001	0.026	0.250	0.000	0.995*	0.571
	Left	0.004	0.019	0.001	0.639	0.041	0.030	0.000	0.674	0.689

Table F-206
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 3a Reduced to 0.375 ER	802.15.4 Ant 1a ER	NB U-NII Ant 1b ER	NB U-NII Ant 5T 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	0.469	0.625	0.301	0.554	0.554	0.042	0.000	0.770*	0.926*
	Top	0.347	0.625	0.128	0.014	0.000	0.011	0.000	0.500	0.778
	Bottom	0.009	0.004	0.018	0.264	0.729	0.000	0.000	0.756	0.751
	Right	0.625	0.041	0.359	0.001	0.026	0.349	0.000	0.984*	0.775
	Left	0.004	0.016	0.001	0.639	0.041	0.030	0.000	0.674	0.686

Table F-207
Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	802.15.4 Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.666	0.729	0.208	0.566	0.688	0.088	0.000	0.874*	0.937*
	Top	0.028	0.009	0.017	0.229	0.741	0.011	0.000	0.797	0.778
	Bottom	0.256	0.744	0.075	0.019	0.000	0.000	0.000	0.350	0.838
	Right	0.003	0.041	0.000	0.724	0.029	0.740	0.000	0.740*	0.740*
	Left	0.746	0.043	0.250	0.000	0.019	0.030	0.000	0.996*	0.342

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Table F-208 Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT									
Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	802.15.4 Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.556	0.625	0.308	0.566	0.688	0.088	0.000	0.864* 0.933*
	Top	0.024	0.006	0.017	0.229	0.741	0.011	0.000	0.793 0.775
	Bottom	0.227	0.625	0.111	0.019	0.000	0.000	0.000	0.357 0.755
	Right	0.001	0.038	0.000	0.724	0.029	0.740	0.000	0.740* 0.740*
	Left	0.625	0.038	0.370	0.000	0.019	0.030	0.000	0.995* 0.457

Table F-209 Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT									
Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a ER	NB U-NII Ant 3b ER	NB U-NII Ant 5T 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	0.741	0.743	0.618	0.566	0.688	0.088	0.000	0.741* 0.743*
	Top	0.033	0.746	0.017	0.229	0.741	0.011	0.000	0.802 0.763*
	Bottom	0.746	0.049	0.221	0.019	0.000	0.000	0.000	0.986 0.289
	Right	0.704	0.046	0.000	0.724	0.029	0.740	0.000	0.740* 0.770*
	Left	0.093	0.746	0.742	0.000	0.019	0.030	0.000	0.884 0.765*

Table F-210 Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT									
Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b Reduced to 0.25 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.25 ER	NB U-NII Ant 3b Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.531	0.746	0.618	0.162	0.225	0.031	0.000	0.756* 0.971*
	Top	0.400	0.746	0.017	0.073	0.250	0.011	0.000	0.678 0.996*
	Bottom	0.009	0.005	0.221	0.019	0.000	0.000	0.000	0.249 0.245
	Right	0.745	0.045	0.000	0.250	0.029	0.250	0.000	0.995* 0.545
	Left	0.004	0.019	0.742	0.000	0.019	0.030	0.000	0.795 0.810

Table F-211 Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT									
Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	802.15.4 Ant 3a Reduced to 0.375 ER	NB U-NII Ant 3b Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.469	0.625	0.618	0.239	0.333	0.042	0.000	0.802* 0.958*
	Top	0.347	0.625	0.017	0.107	0.371	0.011	0.000	0.746 0.996*
	Bottom	0.009	0.004	0.221	0.019	0.000	0.000	0.000	0.249 0.244
	Right	0.625	0.041	0.000	0.370	0.029	0.349	0.000	0.995* 0.760
	Left	0.004	0.016	0.742	0.000	0.019	0.030	0.000	0.795 0.807

Table F-212 Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT									
Simult Tx	Configuration	Cellular Band Ant 1a ER	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 1a Reduced to 0.25 ER	NB U-NII Ant 1b Reduced to 0.25 ER	802.15.4 Ant 3a ER	NB U-NII Ant 5T 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	0.666	0.729	0.208	0.238	0.566	0.088	0.000	0.904* 0.967*
	Top	0.028	0.009	0.017	0.000	0.229	0.011	0.000	0.285 0.266
	Bottom	0.256	0.744	0.075	0.250	0.019	0.000	0.000	0.525 0.994*
	Right	0.003	0.041	0.000	0.026	0.724	0.740	0.000	0.740* 0.740*
	Left	0.746	0.043	0.250	0.041	0.000	0.030	0.000	0.996* 0.323

Table F-213 Cellular Band Ant 1a & 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT									
Simult Tx	Configuration	Cellular Band Ant 1a Reduced to 0.625 ER	Cellular Band Ant 1b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a Reduced to 0.375 ER	NB U-NII Ant 1b Reduced to 0.375 ER	802.15.4 Ant 3a ER	NB U-NII Ant 5T 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	0.556	0.625	0.308	0.353	0.566	0.088	0.000	0.909* 0.978*
	Top	0.024	0.006	0.017	0.000	0.229	0.011	0.000	0.281 0.263
	Bottom	0.227	0.625	0.111	0.371	0.019	0.000	0.000	0.617 0.996*
	Right	0.001	0.038	0.000	0.026	0.724	0.740	0.000	0.740* 0.740*
	Left	0.625	0.038	0.370	0.041	0.000	0.030	0.000	0.995* 0.438

Table F-214 Cellular Band Ant 2 & 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT									
Simult Tx	Configuration	Cellular Band Ant 2 ER	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	802.15.4 Ant 3a ER	NB U-NII Ant 5T 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	0.741	0.743	0.618	0.554	0.566	0.088	0.000	0.741* 0.743*
	Top	0.033	0.746	0.017	0.000	0.229	0.011	0.000	0.290 0.763*
	Bottom	0.746	0.049	0.221	0.729	0.019	0.000	0.000	0.765* 0.797
	Right	0.704	0.046	0.000	0.026	0.724	0.740	0.000	0.740* 0.770*
	Left	0.093	0.746	0.742	0.041	0.000	0.030	0.000	0.865 0.746*

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Table F-215
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	802.15.4 Ant 3a Reduced to 0.25 ER	NB U-NII Ant 5T 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	0.531	0.746	0.618	0.554	0.162	0.031	0.000	0.693*	0.908*
	Top	0.400	0.746	0.017	0.000	0.073	0.011	0.000	0.501	0.847
	Bottom	0.009	0.005	0.221	0.729	0.019	0.000	0.000	0.757	0.753
	Right	0.745	0.045	0.000	0.026	0.250	0.250	0.000	0.995*	0.571
	Left	0.004	0.019	0.742	0.041	0.000	0.030	0.000	0.776	0.791

Table F-216
Cellular Band Ant 3a & 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	Cellular Band Ant 3a Reduced to 0.625 ER	Cellular Band Ant 3b Reduced to 0.625 ER	2.4 GHz WIFI Ant 1a ER	NB U-NII Ant 1b ER	802.15.4 Ant 3a Reduced to 0.375 ER	NB U-NII Ant 5T 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	0.469	0.625	0.618	0.554	0.239	0.042	0.000	0.708*	0.864*
	Top	0.347	0.625	0.017	0.000	0.107	0.011	0.000	0.482	0.760
	Bottom	0.009	0.004	0.221	0.729	0.019	0.000	0.000	0.757	0.752
	Right	0.625	0.041	0.000	0.026	0.370	0.349	0.000	0.995*	0.786
	Left	0.004	0.016	0.742	0.041	0.000	0.030	0.000	0.776	0.788

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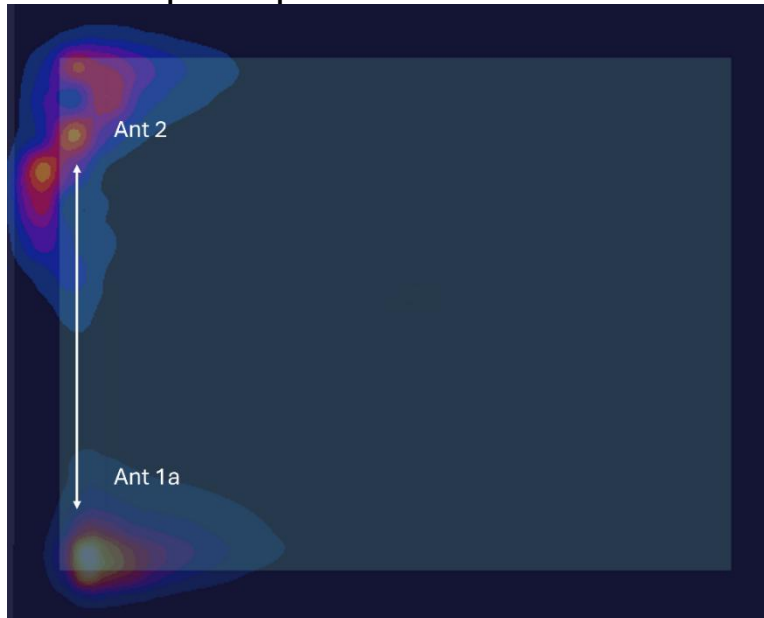
F.4 Simultaneous Transmission Conclusion

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 ≤ 1.2 W/kg where at least 90% of the SAR is attributed to a single SAR distribution or ≤ 0.4 W/kg where no more than one SAR distribution is contributing > 0.1 W/kg.

Spatial separation was determined by inspection of the area scan SAR distributions to confirm that at all locations, SAR was < 1.2 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.4.1 Back Side Spatial Separation Analysis

Figure F-1
Back Side Spatial Separation for Antenna 1a and Antenna 2



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Figure F-2
Back Side Spatial Separation for Antenna 1a and Antenna 3a

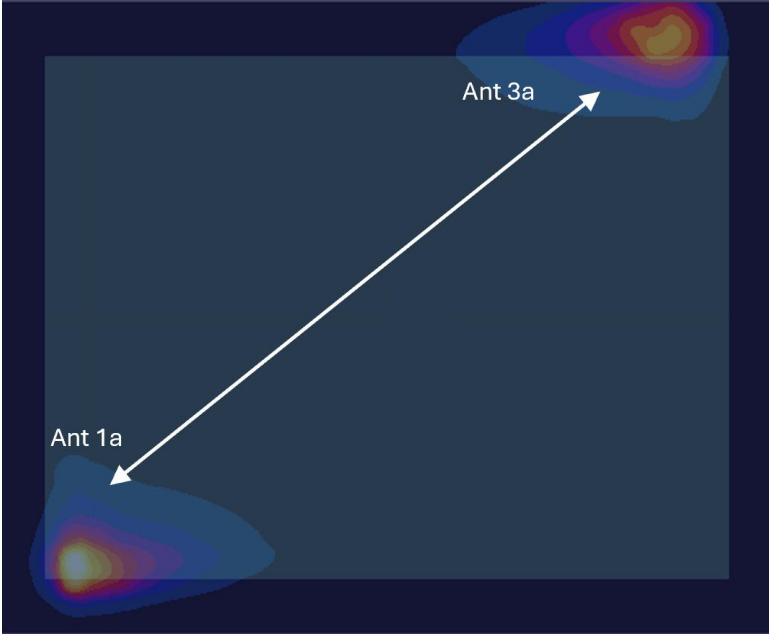
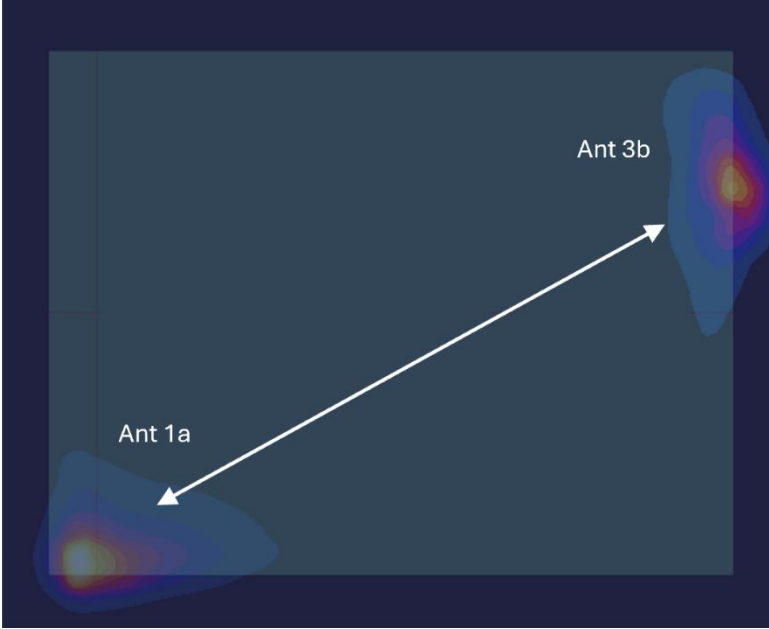


Figure F-3
Back Side Spatial Separation for Antenna 1a and Antenna 3b



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Figure F-4
Back Side Spatial Separation for Antenna 1a and Antenna 4

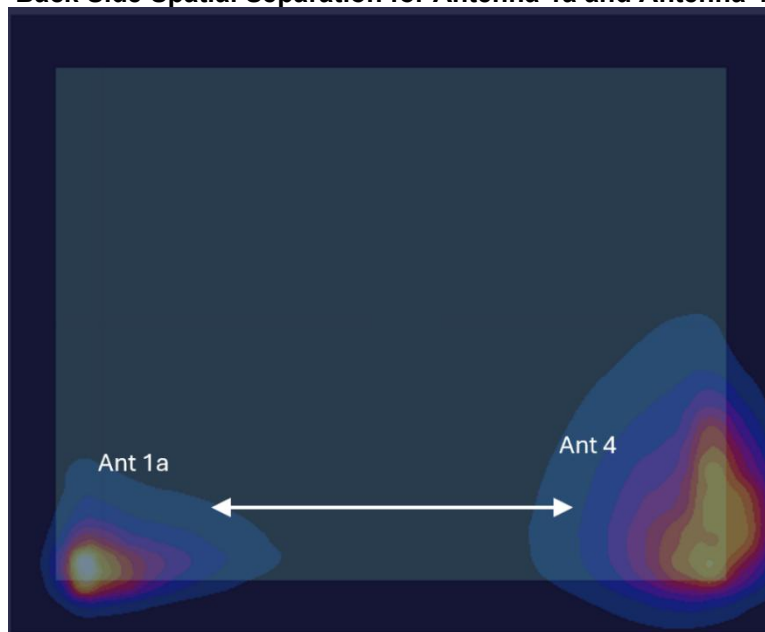
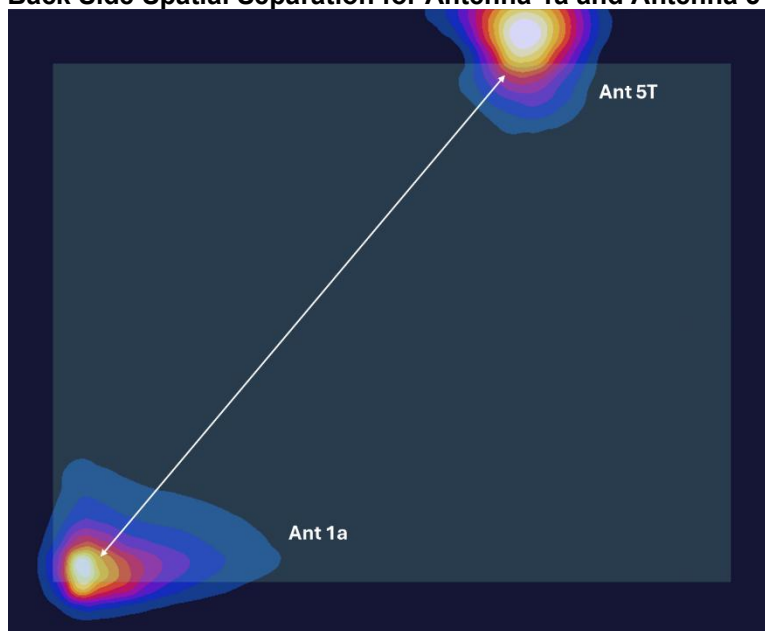


Figure F-5
Back Side Spatial Separation for Antenna 1a and Antenna 5T

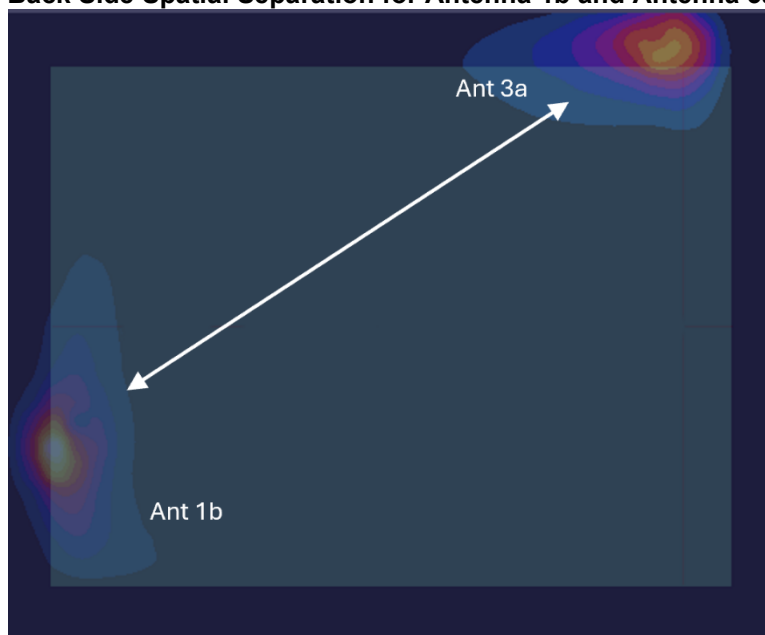


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Figure F-6
Back Side Spatial Separation for Antenna 1b and Antenna 2



Figure F-7
Back Side Spatial Separation for Antenna 1b and Antenna 3a



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Figure F-8
Back Side Spatial Separation for Antenna 1b and Antenna 3b

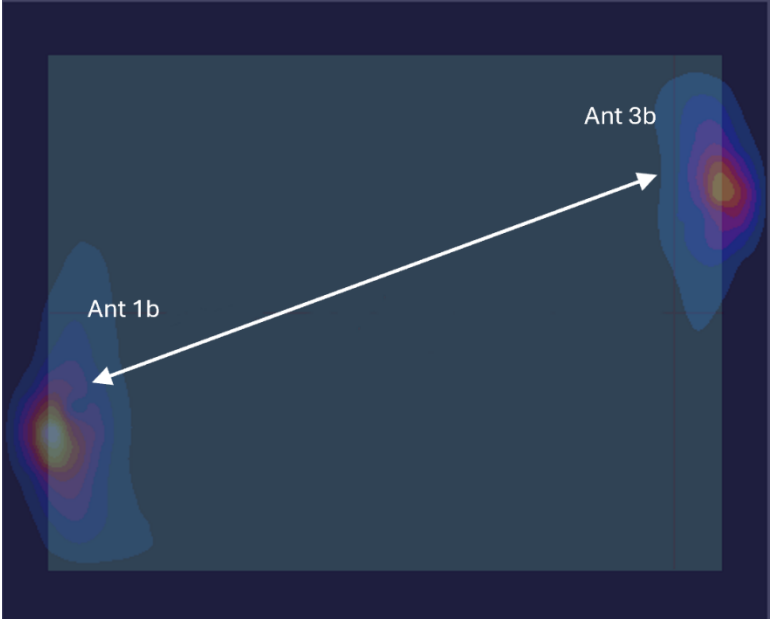


Figure F-9
Back Side Spatial Separation for Antenna 1b and Antenna 4

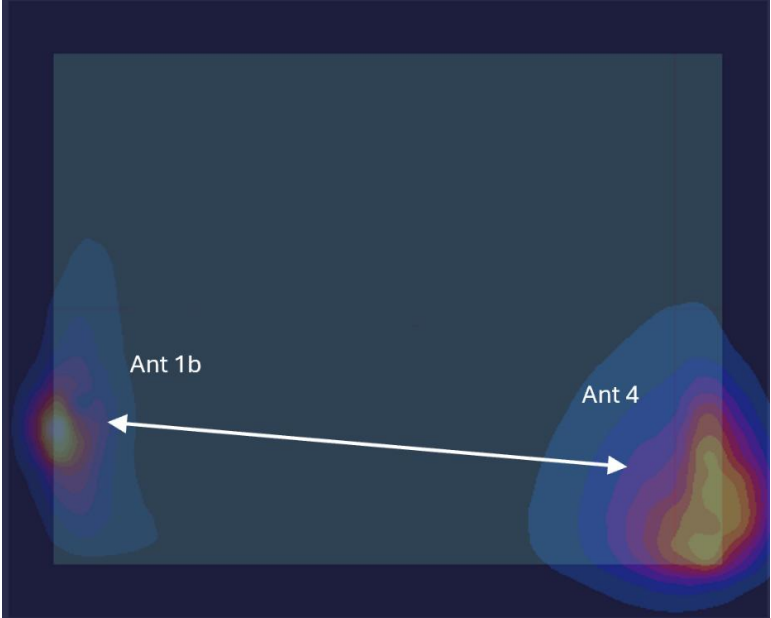


Figure F-10
Back Side Spatial Separation for Antenna 1b and Antenna 5T

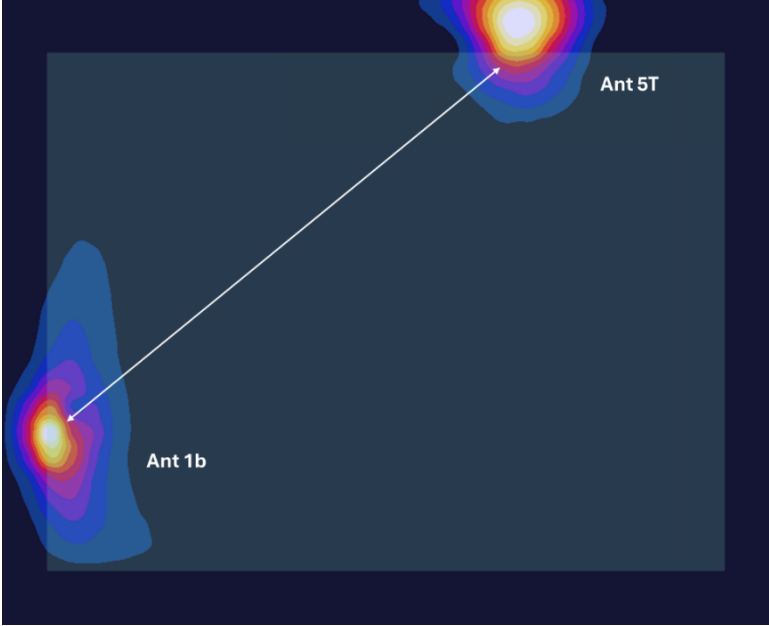
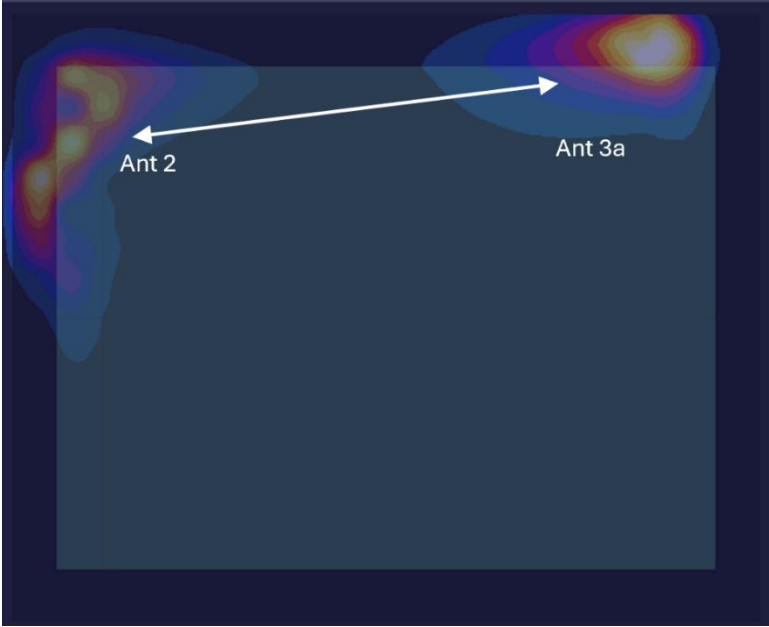


Figure F-11
Back Side Spatial Separation for Antenna 2 and Antenna 3a



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Figure F-12
Back Side Spatial Separation for Antenna 2 and Antenna 3b

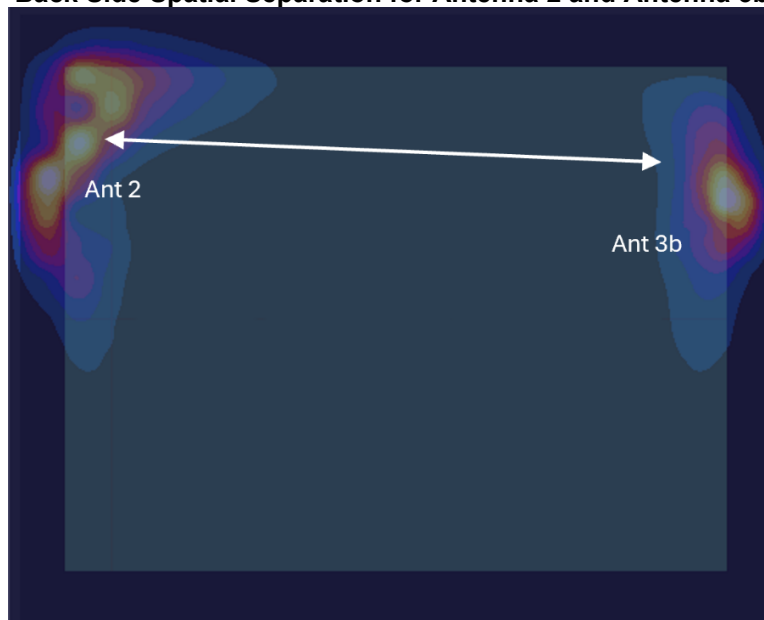
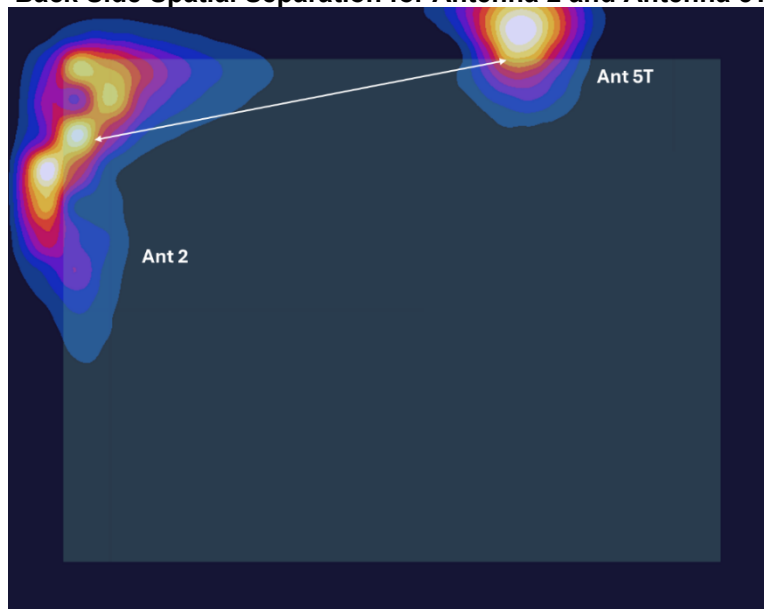


Figure F-13
Back Side Spatial Separation for Antenna 2 and Antenna 5T



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Figure F-14
Back Side Spatial Separation for Antenna 3a and Antenna 4

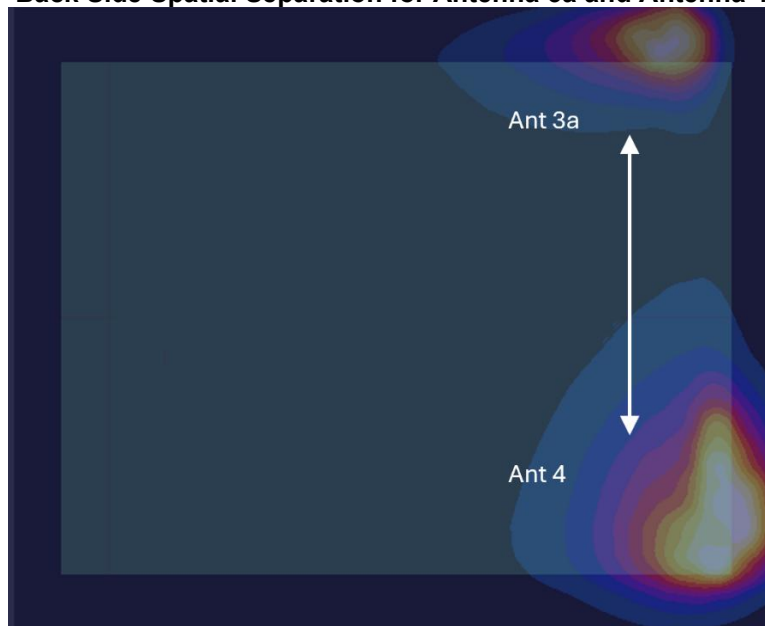
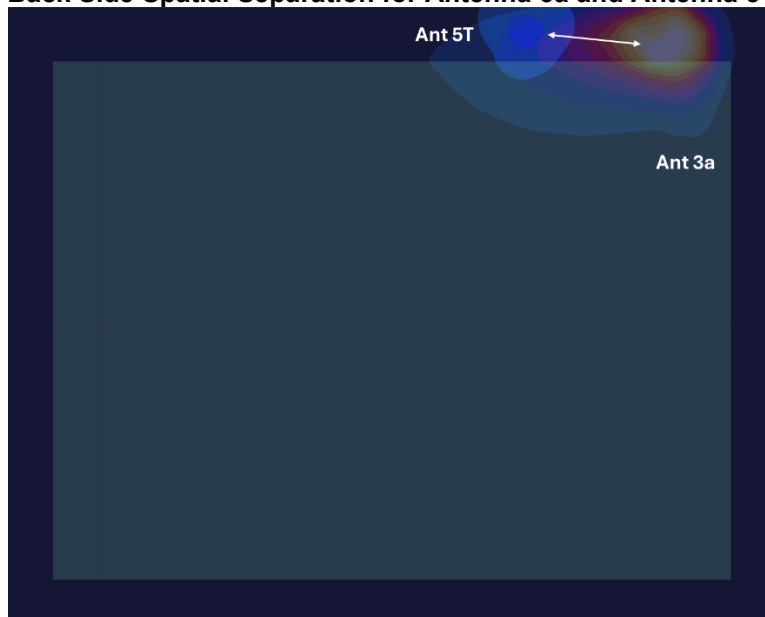


Figure F-15
Back Side Spatial Separation for Antenna 3a and Antenna 5T



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Figure F-16
Back Side Spatial Separation for Antenna 3b and Antenna 4

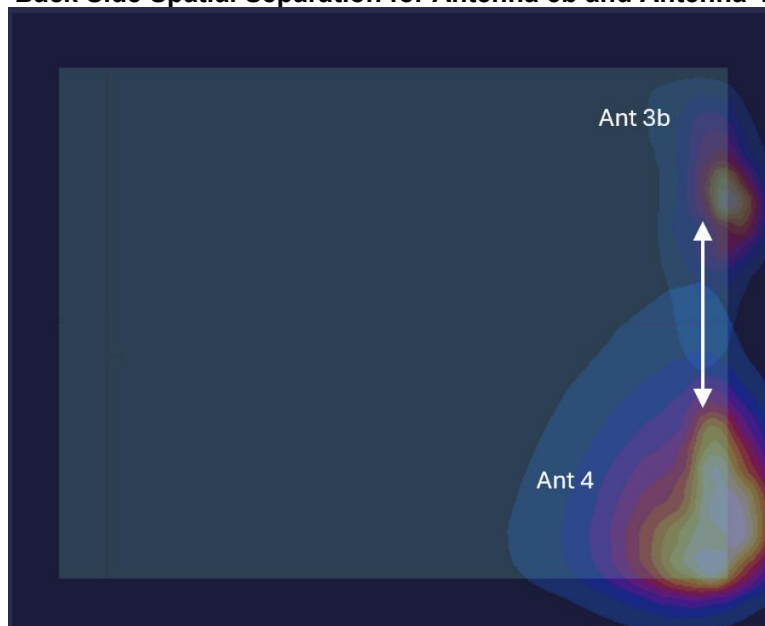
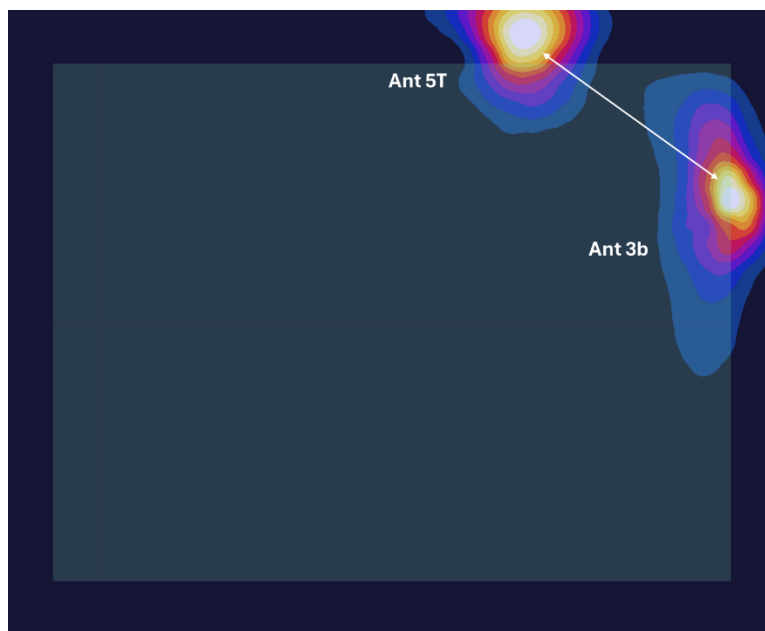
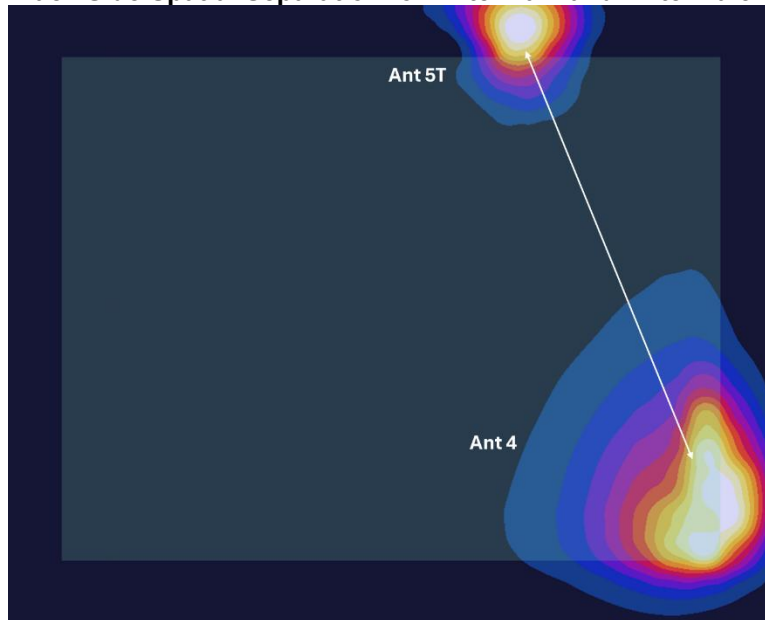


Figure F-17
Back Side Spatial Separation for Antenna 3b and Antenna 5T



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Figure F-18
Back Side Spatial Separation for Antenna 4 and Antenna 5T



F.4.2 Top Side Spatial Separation Analysis

Figure F-19
Top Side Spatial Separation for Antenna 1a and Antenna 2



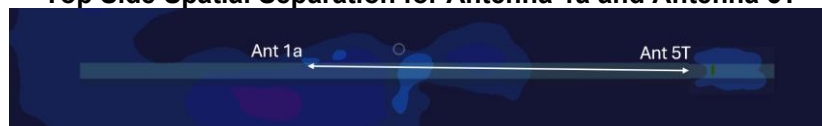
Figure F-20
Top Side Spatial Separation for Antenna 1a and Antenna 3a



Figure F-21
Top Side Spatial Separation for Antenna 1a and Antenna 3b



Figure F-22
Top Side Spatial Separation for Antenna 1a and Antenna 5T



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Figure F-23
Top Side Spatial Separation for Antenna 1b and Antenna 2

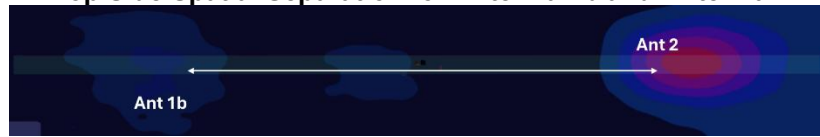


Figure F-24
Top Side Spatial Separation for Antenna 1b and Antenna 3a

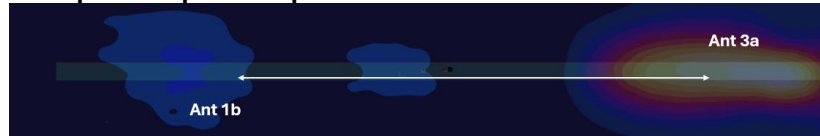


Figure F-25
Top Side Spatial Separation for Antenna 1b and Antenna 3b

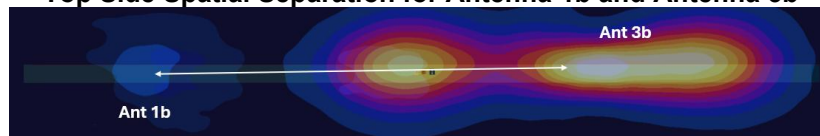


Figure F-26
Top Side Spatial Separation for Antenna 1b and Antenna 5T



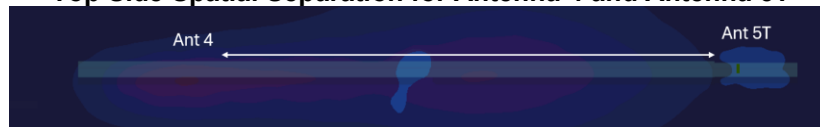
Figure F-27
Top Side Spatial Separation for Antenna 3b and Antenna 5T



Figure F-28
Top Side Spatial Separation for Antenna 4 and Antenna 3b



Figure F-29
Top Side Spatial Separation for Antenna 4 and Antenna 5T



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F.4.3 Bottom Side Spatial Separation Analysis

Figure F-30
Bottom Side Spatial Separation for Antenna 1b and Antenna 2

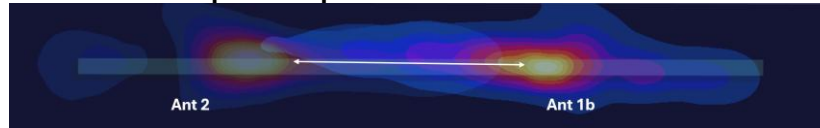


Figure F-31
Bottom Side Spatial Separation for Antenna 1b and Antenna 3a

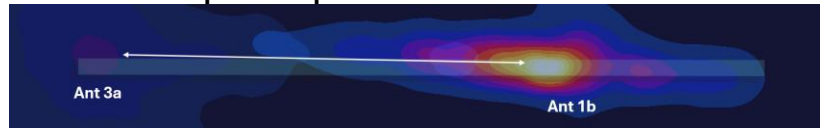


Figure F-32
Bottom Side Spatial Separation for Antenna 1b and Antenna 3b

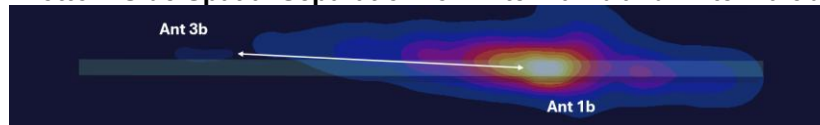


Figure F-33
Bottom Side Spatial Separation for Antenna 1b and Antenna 5T

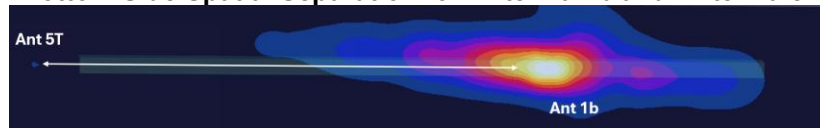


Figure F-34
Bottom Side Spatial Separation for Antenna 2 and Antenna 1a

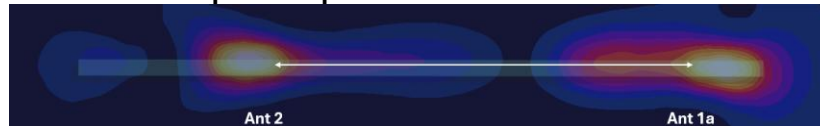


Figure F-35
Bottom Side Spatial Separation for Antenna 3a and Antenna 1a

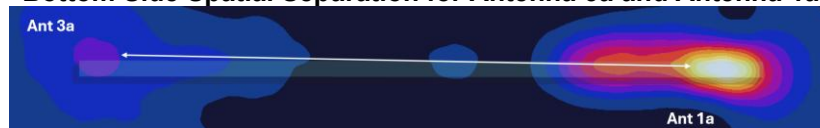


Figure F-36
Bottom Side Spatial Separation for Antenna 5T and Antenna 1a



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Figure F-37
Bottom Side Spatial Separation for Antenna 5T and Antenna 2

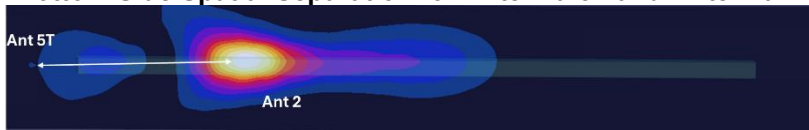


Figure F-38
Bottom Side Spatial Separation for Antenna 3a and Antenna 4

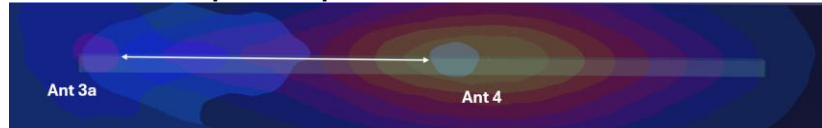
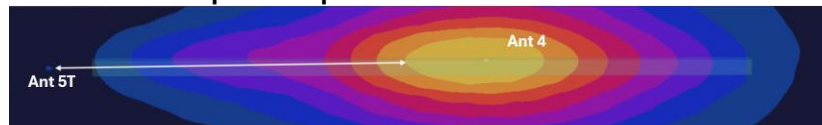


Figure F-39
Bottom Side Spatial Separation for Antenna 5T and Antenna 3b



Figure F-40
Bottom Side Spatial Separation for Antenna 5T and Antenna 4



F.4.4 Right-Side Spatial Separation Analysis

Figure F-41
Right Side Spatial Separation for Antenna 3a and Antenna 1a



Figure F-42
Right Side Spatial Separation for Antenna 3b and Antenna 1a

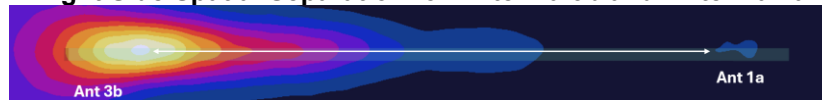


Figure F-43
Right Side Spatial Separation for Antenna 4 and Antenna 1a



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Figure F-44
Right Side Spatial Separation for Antenna 5T and Antenna 1a

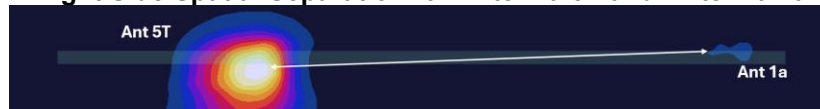


Figure F-45
Right Side Spatial Separation for Antenna 3a and Antenna 1b



Figure F-46
Right Side Spatial Separation for Antenna 3b and Antenna 1b

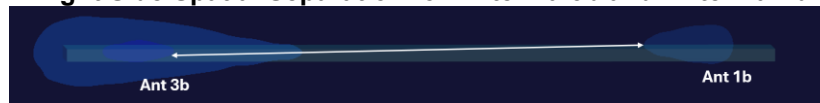


Figure F-47
Right Side Spatial Separation for Antenna 4 and Antenna 1b



Figure F-48
Right Side Spatial Separation for Antenna 5T and Antenna 1b

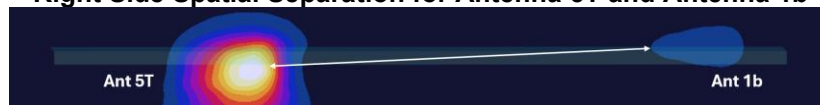


Figure F-49
Right Side Spatial Separation for Antenna 3a and Antenna 2



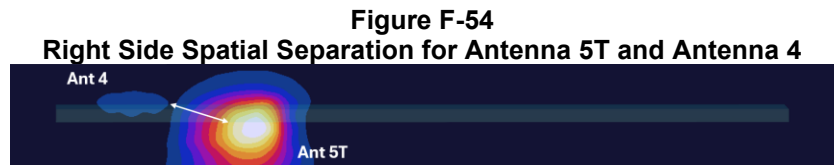
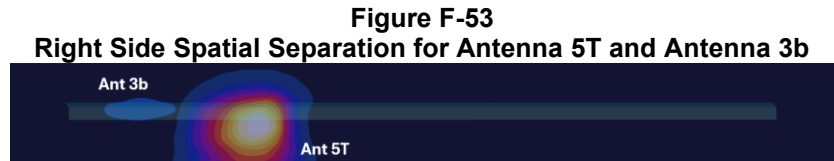
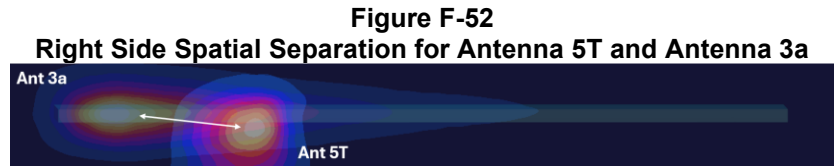
Figure F-50
Right Side Spatial Separation for Antenna 3b and Antenna 2



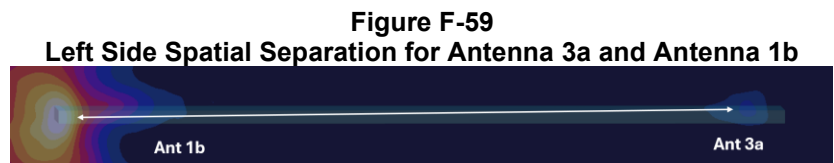
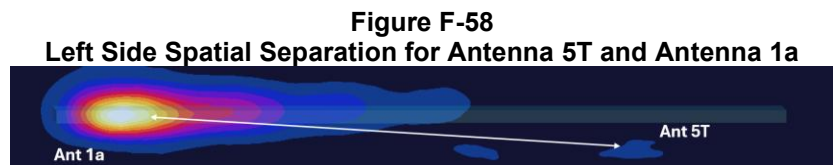
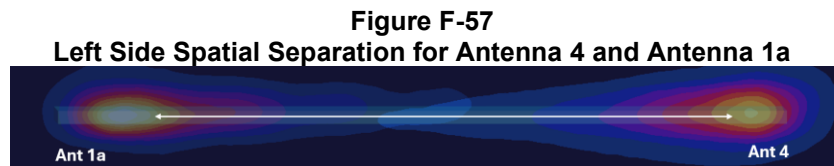
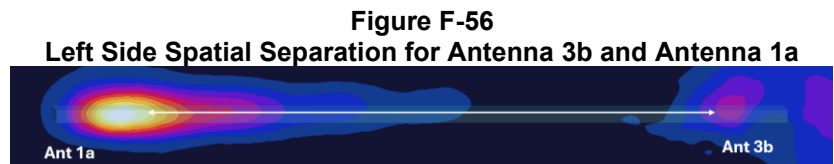
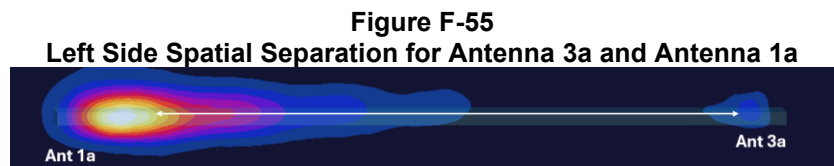
Figure F-51
Right Side Spatial Separation for Antenna 5T and Antenna 2



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F.4.5 Left Side Spatial Separation Analysis



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Figure F-60
Left Side Spatial Separation for Antenna 3b and Antenna 1b

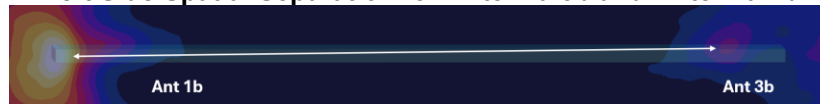


Figure F-61
Left Side Spatial Separation for Antenna 4 and Antenna 1b



Figure F-62
Left Side Spatial Separation for Antenna 5T and Antenna 1b



Figure F-63
Left Side Spatial Separation for Antenna 2 and Antenna 3a



Figure F-64
Left Side Spatial Separation for Antenna 2 and Antenna 3b

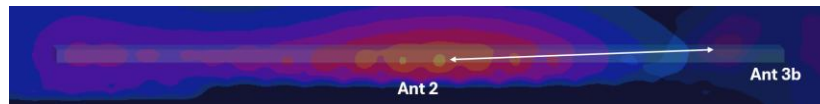
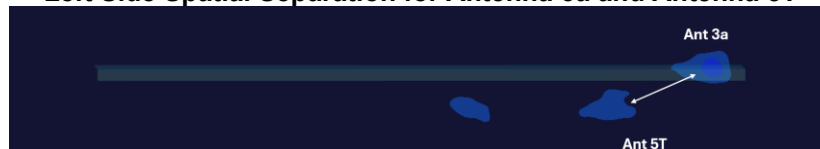


Figure F-65
Left Side Spatial Separation for Antenna 2 and Antenna 5T



Figure F-66
Left Side Spatial Separation for Antenna 3a and Antenna 5T



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Figure F-67
Left Side Spatial Separation for Antenna 3b and Antenna 5T

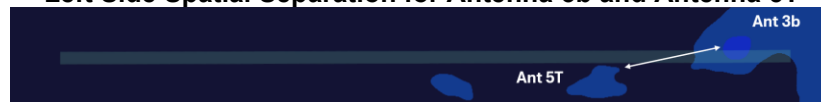


Figure F-68
Left Side Spatial Separation for Antenna 4 and Antenna 5T



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F.5 Additional Simultaneous SAR Evaluation and Analysis for Antenna 3a and Antenna 5T

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 3a and Antenna 5T to determine the aggregate distributions from the simultaneous transmission (volumetric) SAR evaluation.

Table F-217
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]	Plot
2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	3a	97.87	0.01	2437	6	1	19.50	18.50	Right	5	0.845	1.110	A39
5 GHz WIFI/ IEEE 802.11n	40	OFDM	WF5T	96.61	-0.19	5755	151	13.5	18.75	17.00	Right	5	0.733	1.170	A40
NB U-NII 3	N/A	FHSS	WF5T	76.63	-0.01	5844	High	1	19.50	18.45	Right	5	0.710	1.180	A41

Simultaneous Transmissio Bands/Modes		Scaled Multi-Band 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot
2.4 GHz WIFI Ant 3a	5 GHz WIFI Ant 5T	1.520	0.950	A42
2.4 GHz WIFI Ant 3a	NB U-NII 3 Ant 5T	1.500	0.938	A43

1. 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.
2. Each antenna was evaluated independently using the channel/configuration that produced the highest measured SAR when the standalone SAR was tested.
3. 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.6 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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