

APPENDIX F: MULTI-TX AND ANTENNA SAR CONSIDERATIONS

F.1 Introduction

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

F.2 Simultaneous Transmission Procedures

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

Note:

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

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

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

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

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

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

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

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F.3 Body SAR Simultaneous Transmission Analysis

Table F-1

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.086	0.000	0.741*	0.990*
	Top	0.737	0.741	0.138	0.075	0.013	0.001	0.000	0.889	0.893
	Bottom	0.017	0.013	0.016	0.020	0.266	0.016	0.000	0.319	0.315
	Right	0.735	0.023	0.002	0.001	0.474	0.462	0.000	0.936*	0.961
	Left	0.032	0.056	0.238	0.056	0.002	0.029	0.000	0.301	0.325

Table F-2

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.741	0.086	0.000	0.741*	0.996*
	Top	0.625	0.625	0.177	0.115	0.013	0.001	0.000	0.816	0.816
	Bottom	0.013	0.013	0.016	0.020	0.266	0.016	0.000	0.315	0.315
	Right	0.625	0.019	0.002	0.001	0.474	0.462	0.000	0.936*	0.957
	Left	0.031	0.050	0.307	0.084	0.002	0.029	0.000	0.369	0.388

Table F-3

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.250	0.086	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.013	0.001	0.000	0.354	0.348
	Bottom	0.746	0.740	0.016	0.020	0.106	0.016	0.000	0.888	0.882
	Right	0.036	0.071	0.002	0.001	0.238	0.462	0.000	0.738	0.773
	Left	0.733	0.038	0.588	0.199	0.002	0.029	0.000	0.764*	0.657

Table F-4

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.347	0.086	0.000	0.746*	0.972*
	Top	0.019	0.013	0.319	0.225	0.013	0.001	0.000	0.352	0.346
	Bottom	0.625	0.625	0.016	0.020	0.144	0.016	0.000	0.805	0.805
	Right	0.031	0.063	0.002	0.001	0.334	0.462	0.000	0.829	0.861
	Left	0.625	0.031	0.588	0.199	0.002	0.029	0.000	0.656*	0.650

Table F-5

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.026	0.000	0.741*	0.990*
	Top	0.737	0.741	0.138	0.094	0.013	0.001	0.000	0.889	0.893
	Bottom	0.017	0.013	0.016	0.011	0.266	0.018	0.000	0.317	0.313
	Right	0.735	0.023	0.002	0.002	0.474	0.202	0.000	0.737*	0.701
	Left	0.032	0.056	0.238	0.125	0.002	0.012	0.000	0.284	0.308

Table F-6

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.741	0.026	0.000	0.741*	0.944*
	Top	0.625	0.625	0.177	0.113	0.013	0.001	0.000	0.816	0.816
	Bottom	0.013	0.013	0.016	0.011	0.266	0.018	0.000	0.313	0.313
	Right	0.625	0.019	0.002	0.002	0.474	0.202	0.000	0.676*	0.697
	Left	0.031	0.050	0.307	0.153	0.002	0.012	0.000	0.352	0.371

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Table F-7

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.250	0.026	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.013	0.001	0.000	0.354	0.348
	Bottom	0.746	0.740	0.016	0.011	0.106	0.018	0.000	0.886	0.880
	Right	0.036	0.071	0.002	0.002	0.238	0.202	0.000	0.478	0.513
	Left	0.733	0.038	0.588	0.153	0.002	0.012	0.000	0.747*	0.640

Table F-8

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.347	0.026	0.000	0.687*	0.972*
	Top	0.019	0.013	0.319	0.113	0.013	0.001	0.000	0.352	0.346
	Bottom	0.625	0.625	0.016	0.011	0.144	0.018	0.000	0.803	0.803
	Right	0.031	0.063	0.002	0.002	0.334	0.202	0.000	0.569	0.601
	Left	0.625	0.031	0.588	0.153	0.002	0.012	0.000	0.639*	0.633

Table F-9

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.744	0.000	0.744*	0.990*
	Top	0.737	0.741	0.138	0.075	0.013	0.014	0.000	0.889	0.893
	Bottom	0.017	0.013	0.016	0.020	0.266	0.206	0.000	0.303	0.299
	Right	0.735	0.023	0.002	0.001	0.474	0.186	0.000	0.737*	0.499
	Left	0.032	0.056	0.238	0.056	0.002	0.000	0.000	0.272	0.296

Table F-10

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.741	0.744	0.000	0.744*	0.996*
	Top	0.625	0.625	0.177	0.115	0.013	0.014	0.000	0.816	0.816
	Bottom	0.013	0.013	0.016	0.020	0.266	0.206	0.000	0.299	0.299
	Right	0.625	0.019	0.002	0.001	0.474	0.186	0.000	0.627*	0.495
	Left	0.031	0.050	0.307	0.084	0.002	0.000	0.000	0.340	0.359

Table F-11

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.250	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.013	0.014	0.000	0.354	0.348
	Bottom	0.746	0.740	0.016	0.020	0.106	0.075	0.000	0.872	0.866
	Right	0.036	0.071	0.002	0.001	0.238	0.056	0.000	0.276	0.311
	Left	0.733	0.038	0.588	0.199	0.002	0.000	0.000	0.735*	0.628

Table F-12

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.347	0.370	0.000	0.746*	0.995*
	Top	0.019	0.013	0.319	0.225	0.013	0.014	0.000	0.352	0.346
	Bottom	0.625	0.625	0.016	0.020	0.144	0.106	0.000	0.789	0.789
	Right	0.031	0.063	0.002	0.001	0.334	0.086	0.000	0.367	0.399
	Left	0.625	0.031	0.588	0.199	0.002	0.000	0.000	0.627*	0.621

Table F-13

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.243	0.000	0.741*	0.990*
	Top	0.737	0.741	0.138	0.094	0.013	0.001	0.000	0.888	0.892
	Bottom	0.017	0.013	0.016	0.011	0.266	0.062	0.000	0.299	0.295
	Right	0.735	0.023	0.002	0.002	0.474	0.096	0.000	0.737*	0.499
	Left	0.032	0.056	0.238	0.125	0.002	0.000	0.000	0.272	0.296

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Table F-14

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.741	0.243	0.000	0.741*	0.944*
	Top	0.625	0.625	0.177	0.113	0.013	0.001	0.000	0.815	0.815
	Bottom	0.013	0.013	0.016	0.011	0.266	0.062	0.000	0.295	0.295
	Right	0.625	0.019	0.002	0.002	0.474	0.096	0.000	0.627*	0.495
	Left	0.031	0.050	0.307	0.153	0.002	0.000	0.000	0.340	0.359

Table F-15

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.250	0.243	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.013	0.001	0.000	0.353	0.347
	Bottom	0.746	0.740	0.016	0.011	0.106	0.062	0.000	0.868	0.862
	Right	0.036	0.071	0.002	0.002	0.238	0.096	0.000	0.276	0.311
	Left	0.733	0.038	0.588	0.153	0.002	0.000	0.000	0.735*	0.628

Table F-16

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.347	0.243	0.000	0.687*	0.972*
	Top	0.019	0.013	0.319	0.113	0.013	0.001	0.000	0.351	0.345
	Bottom	0.625	0.625	0.016	0.011	0.144	0.062	0.000	0.785	0.785
	Right	0.031	0.063	0.002	0.002	0.334	0.096	0.000	0.367	0.399
	Left	0.625	0.031	0.588	0.153	0.002	0.000	0.000	0.627*	0.621

Table F-17

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.480	0.044	0.000	0.740*	0.990*
	Top	0.737	0.741	0.131	0.063	0.022	0.000	0.000	0.890	0.890
	Bottom	0.017	0.013	0.025	0.021	0.265	0.010	0.000	0.317	0.313
	Right	0.735	0.023	0.004	0.000	0.447	0.364	0.000	0.811*	0.838
	Left	0.032	0.056	0.200	0.051	0.001	0.026	0.000	0.259	0.283

Table F-18

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.371	0.327	0.480	0.044	0.000	0.625*	0.996*
	Top	0.625	0.625	0.199	0.084	0.022	0.000	0.000	0.846	0.846
	Bottom	0.013	0.013	0.025	0.021	0.265	0.010	0.000	0.313	0.313
	Right	0.625	0.019	0.004	0.000	0.447	0.364	0.000	0.811*	0.834
	Left	0.031	0.050	0.301	0.051	0.001	0.026	0.000	0.359	0.378

Table F-19

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.698	0.703	0.250	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.278	0.171	0.022	0.000	0.000	0.321	0.315
	Bottom	0.746	0.740	0.025	0.021	0.100	0.010	0.000	0.881	0.875
	Right	0.036	0.071	0.004	0.000	0.200	0.364	0.000	0.604	0.639
	Left	0.733	0.038	0.579	0.084	0.001	0.026	0.000	0.760*	0.644

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Table F-20

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.698	0.703	0.332	0.044	0.000	0.703*	0.957*
	Top	0.019	0.013	0.278	0.171	0.022	0.000	0.000	0.319	0.313
	Bottom	0.625	0.625	0.025	0.021	0.136	0.010	0.000	0.796	0.796
	Right	0.031	0.063	0.004	0.000	0.264	0.364	0.000	0.663	0.695
	Left	0.625	0.031	0.579	0.084	0.001	0.026	0.000	0.652*	0.637

Table F-21

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.480	0.702	0.000	0.740*	0.990*
	Top	0.737	0.741	0.131	0.063	0.022	0.006	0.000	0.890	0.894
	Bottom	0.017	0.013	0.025	0.021	0.265	0.177	0.000	0.307	0.303
	Right	0.735	0.023	0.004	0.000	0.447	0.100	0.000	0.739*	0.474
	Left	0.032	0.056	0.200	0.051	0.001	0.000	0.000	0.233	0.257

Table F-22

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.371	0.327	0.480	0.702	0.000	0.702*	0.996*
	Top	0.625	0.625	0.199	0.084	0.022	0.006	0.000	0.846	0.846
	Bottom	0.013	0.013	0.025	0.021	0.265	0.177	0.000	0.303	0.303
	Right	0.625	0.019	0.004	0.000	0.447	0.100	0.000	0.629*	0.470
	Left	0.031	0.050	0.301	0.051	0.001	0.000	0.000	0.333	0.352

Table F-23

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.698	0.703	0.250	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.278	0.171	0.022	0.006	0.000	0.321	0.315
	Bottom	0.746	0.740	0.025	0.021	0.100	0.069	0.000	0.871	0.865
	Right	0.036	0.071	0.004	0.000	0.200	0.046	0.000	0.240	0.275
	Left	0.733	0.038	0.579	0.084	0.001	0.000	0.000	0.734*	0.618

Table F-24

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.698	0.703	0.332	0.343	0.000	0.703*	0.968*
	Top	0.019	0.013	0.278	0.171	0.022	0.006	0.000	0.319	0.313
	Bottom	0.625	0.625	0.025	0.021	0.136	0.091	0.000	0.786	0.786
	Right	0.031	0.063	0.004	0.000	0.264	0.046	0.000	0.299	0.331
	Left	0.625	0.031	0.579	0.084	0.001	0.000	0.000	0.626*	0.611

Table F-25

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.044	0.000	0.741*	0.990*
	Top	0.737	0.741	0.138	0.063	0.013	0.000	0.000	0.888	0.892
	Bottom	0.017	0.013	0.016	0.021	0.266	0.010	0.000	0.314	0.310
	Right	0.735	0.023	0.002	0.000	0.474	0.364	0.000	0.838*	0.863
	Left	0.032	0.056	0.238	0.051	0.002	0.026	0.000	0.298	0.322

Table F-26

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.741	0.044	0.000	0.741*	0.952*
	Top	0.625	0.625	0.177	0.084	0.013	0.000	0.000	0.815	0.815
	Bottom	0.013	0.013	0.016	0.021	0.266	0.010	0.000	0.310	0.310
	Right	0.625	0.019	0.002	0.000	0.474	0.364	0.000	0.838*	0.859
	Left	0.031	0.050	0.307	0.051	0.002	0.026	0.000	0.366	0.385

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Table F-27

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.703	0.250	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.013	0.000	0.000	0.353	0.347
	Bottom	0.746	0.740	0.016	0.021	0.106	0.010	0.000	0.883	0.877
	Right	0.036	0.071	0.002	0.000	0.238	0.364	0.000	0.640	0.675
	Left	0.733	0.038	0.588	0.084	0.002	0.026	0.000	0.761*	0.654

Table F-28

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.347	0.044	0.000	0.703*	0.972*
	Top	0.019	0.013	0.319	0.171	0.013	0.000	0.000	0.351	0.345
	Bottom	0.625	0.625	0.016	0.021	0.144	0.010	0.000	0.800	0.800
	Right	0.031	0.063	0.002	0.000	0.334	0.364	0.000	0.731	0.763
	Left	0.625	0.031	0.588	0.084	0.002	0.026	0.000	0.653*	0.647

Table F-29

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.741	0.702	0.000	0.741*	0.990*
	Top	0.737	0.741	0.138	0.063	0.013	0.006	0.000	0.888	0.892
	Bottom	0.017	0.013	0.016	0.021	0.266	0.177	0.000	0.304	0.300
	Right	0.735	0.023	0.002	0.000	0.474	0.100	0.000	0.737*	0.499
	Left	0.032	0.056	0.238	0.051	0.002	0.000	0.000	0.272	0.296

Table F-30

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.741	0.702	0.000	0.741*	0.952*
	Top	0.625	0.625	0.177	0.084	0.013	0.006	0.000	0.815	0.815
	Bottom	0.013	0.013	0.016	0.021	0.266	0.177	0.000	0.300	0.300
	Right	0.625	0.019	0.002	0.000	0.474	0.100	0.000	0.627*	0.495
	Left	0.031	0.050	0.307	0.051	0.002	0.000	0.000	0.340	0.359

Table F-31

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.703	0.250	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.013	0.006	0.000	0.353	0.347
	Bottom	0.746	0.740	0.016	0.021	0.106	0.069	0.000	0.873	0.867
	Right	0.036	0.071	0.002	0.000	0.238	0.046	0.000	0.276	0.311
	Left	0.733	0.038	0.588	0.084	0.002	0.000	0.000	0.735*	0.628

Table F-32

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.347	0.343	0.000	0.703*	0.972*
	Top	0.019	0.013	0.319	0.171	0.013	0.006	0.000	0.351	0.345
	Bottom	0.625	0.625	0.016	0.021	0.144	0.091	0.000	0.790	0.790
	Right	0.031	0.063	0.002	0.000	0.334	0.046	0.000	0.367	0.399
	Left	0.625	0.031	0.588	0.084	0.002	0.000	0.000	0.627*	0.621

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Table F-33

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.086	0.250	0.250	0.480	0.000	0.740*	0.990*
	Top	0.737	0.741	0.001	0.075	0.131	0.022	0.000	0.891	0.895
	Bottom	0.017	0.013	0.016	0.020	0.025	0.265	0.000	0.323	0.319
	Right	0.735	0.023	0.462	0.001	0.004	0.447	0.000	0.909*	0.936
	Left	0.032	0.056	0.029	0.056	0.200	0.001	0.000	0.262	0.286

Table F-34

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.086	0.371	0.371	0.480	0.000	0.625*	0.996*
	Top	0.625	0.625	0.001	0.115	0.199	0.022	0.000	0.847	0.847
	Bottom	0.013	0.013	0.016	0.020	0.025	0.265	0.000	0.319	0.319
	Right	0.625	0.019	0.462	0.001	0.004	0.447	0.000	0.909*	0.932
	Left	0.031	0.050	0.029	0.084	0.301	0.001	0.000	0.362	0.381

Table F-35

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.086	0.746	0.698	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.001	0.225	0.278	0.022	0.000	0.322	0.316
	Bottom	0.746	0.740	0.016	0.020	0.025	0.100	0.000	0.887	0.881
	Right	0.036	0.071	0.462	0.001	0.004	0.200	0.000	0.702	0.737
	Left	0.733	0.038	0.029	0.199	0.579	0.001	0.000	0.763*	0.647

Table F-36

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.086	0.746	0.698	0.332	0.000	0.746*	0.957*
	Top	0.019	0.013	0.001	0.225	0.278	0.022	0.000	0.320	0.314
	Bottom	0.625	0.625	0.016	0.020	0.025	0.136	0.000	0.802	0.802
	Right	0.031	0.063	0.462	0.001	0.004	0.264	0.000	0.761	0.793
	Left	0.625	0.031	0.029	0.199	0.579	0.001	0.000	0.655*	0.640

Table F-37

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.026	0.250	0.250	0.480	0.000	0.740*	0.990*
	Top	0.737	0.741	0.001	0.094	0.131	0.022	0.000	0.891	0.895
	Bottom	0.017	0.013	0.018	0.011	0.025	0.265	0.000	0.325	0.321
	Right	0.735	0.023	0.202	0.002	0.004	0.447	0.000	0.739*	0.676
	Left	0.032	0.056	0.012	0.125	0.200	0.001	0.000	0.245	0.269

Table F-38

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.026	0.299	0.371	0.480	0.000	0.625*	0.996*
	Top	0.625	0.625	0.001	0.113	0.199	0.022	0.000	0.847	0.847
	Bottom	0.013	0.013	0.018	0.011	0.025	0.265	0.000	0.321	0.321
	Right	0.625	0.019	0.202	0.002	0.004	0.447	0.000	0.649*	0.672
	Left	0.031	0.050	0.012	0.153	0.301	0.001	0.000	0.345	0.364

Table F-39

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.026	0.299	0.698	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.001	0.113	0.278	0.022	0.000	0.322	0.316
	Bottom	0.746	0.740	0.018	0.011	0.025	0.100	0.000	0.889	0.883
	Right	0.036	0.071	0.202	0.002	0.004	0.200	0.000	0.442	0.477
	Left	0.733	0.038	0.012	0.153	0.579	0.001	0.000	0.746*	0.630

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Table F-40

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.026	0.299	0.698	0.332	0.000	0.698*	0.957*
	Top	0.019	0.013	0.001	0.113	0.278	0.022	0.000	0.320	0.314
	Bottom	0.625	0.625	0.018	0.011	0.025	0.136	0.000	0.804	0.804
	Right	0.031	0.063	0.202	0.002	0.004	0.264	0.000	0.501	0.533
	Left	0.625	0.031	0.012	0.153	0.579	0.001	0.000	0.638*	0.623

Table F-41

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.744	0.480	0.250	0.250	0.000	0.744*	0.990*
	Top	0.737	0.741	0.014	0.022	0.075	0.131	0.000	0.890	0.894
	Bottom	0.017	0.013	0.206	0.265	0.020	0.025	0.000	0.307	0.303
	Right	0.735	0.023	0.186	0.447	0.001	0.004	0.000	0.739*	0.474
	Left	0.032	0.056	0.000	0.001	0.056	0.200	0.000	0.233	0.257

Table F-42

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.744	0.480	0.371	0.371	0.000	0.744*	0.996*
	Top	0.625	0.625	0.014	0.022	0.115	0.199	0.000	0.846	0.846
	Bottom	0.013	0.013	0.206	0.265	0.020	0.025	0.000	0.303	0.303
	Right	0.625	0.019	0.186	0.447	0.001	0.004	0.000	0.629*	0.470
	Left	0.031	0.050	0.000	0.001	0.084	0.301	0.000	0.333	0.352

Table F-43

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.250	0.746	0.698	0.000	0.746*	0.990*
	Top	0.021	0.015	0.014	0.022	0.278	0.000	0.000	0.321	0.315
	Bottom	0.746	0.740	0.075	0.100	0.020	0.025	0.000	0.871	0.865
	Right	0.036	0.071	0.056	0.200	0.001	0.004	0.000	0.240	0.275
	Left	0.733	0.038	0.000	0.001	0.199	0.579	0.000	0.734*	0.618

Table F-44

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.370	0.332	0.746	0.698	0.000	0.746*	0.995*
	Top	0.019	0.013	0.014	0.022	0.225	0.278	0.000	0.319	0.313
	Bottom	0.625	0.625	0.106	0.136	0.020	0.025	0.000	0.786	0.786
	Right	0.031	0.063	0.086	0.264	0.001	0.004	0.000	0.299	0.331
	Left	0.625	0.031	0.000	0.001	0.199	0.579	0.000	0.626*	0.611

Table F-45

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.243	0.480	0.250	0.250	0.000	0.740*	0.990*
	Top	0.737	0.741	0.001	0.022	0.094	0.131	0.000	0.890	0.894
	Bottom	0.017	0.013	0.062	0.265	0.011	0.025	0.000	0.307	0.303
	Right	0.735	0.023	0.096	0.447	0.002	0.004	0.000	0.739*	0.474
	Left	0.032	0.056	0.000	0.001	0.125	0.200	0.000	0.233	0.257

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Table F-46

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.243	0.480	0.299	0.371	0.000	0.625*	0.996*
	Top	0.625	0.625	0.001	0.022	0.113	0.199	0.000	0.846	0.846
	Bottom	0.013	0.013	0.062	0.265	0.011	0.025	0.000	0.303	0.303
	Right	0.625	0.019	0.096	0.447	0.002	0.004	0.000	0.629*	0.470
	Left	0.031	0.050	0.000	0.001	0.153	0.301	0.000	0.333	0.352

Table F-47

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.243	0.250	0.299	0.698	0.000	0.741*	0.990*
	Top	0.021	0.015	0.001	0.022	0.113	0.278	0.000	0.321	0.315
	Bottom	0.746	0.740	0.062	0.100	0.011	0.025	0.000	0.871	0.865
	Right	0.036	0.071	0.096	0.200	0.002	0.004	0.000	0.240	0.275
	Left	0.733	0.038	0.000	0.001	0.153	0.579	0.000	0.734*	0.618

Table F-48

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.243	0.332	0.299	0.698	0.000	0.698*	0.957*
	Top	0.019	0.013	0.001	0.022	0.113	0.278	0.000	0.319	0.313
	Bottom	0.625	0.625	0.062	0.136	0.011	0.025	0.000	0.786	0.786
	Right	0.031	0.063	0.096	0.264	0.002	0.004	0.000	0.299	0.331
	Left	0.625	0.031	0.000	0.001	0.153	0.579	0.000	0.626*	0.611

Table F-49

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.086	0.480	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.075	0.001	0.022	0.000	0.898	0.902
	Bottom	0.017	0.013	0.016	0.020	0.016	0.265	0.000	0.318	0.314
	Right	0.735	0.023	0.002	0.001	0.462	0.447	0.000	0.909*	0.934
	Left	0.032	0.056	0.238	0.056	0.029	0.001	0.000	0.300	0.324

Table F-50

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.086	0.480	0.000	0.625*	0.996*
	Top	0.625	0.625	0.177	0.115	0.001	0.022	0.000	0.825	0.825
	Bottom	0.013	0.013	0.016	0.020	0.016	0.265	0.000	0.314	0.314
	Right	0.625	0.019	0.002	0.001	0.462	0.447	0.000	0.909*	0.930
	Left	0.031	0.050	0.307	0.084	0.029	0.001	0.000	0.368	0.387

Table F-51

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.086	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.001	0.022	0.000	0.363	0.357
	Bottom	0.746	0.740	0.016	0.020	0.016	0.100	0.000	0.882	0.876
	Right	0.036	0.071	0.002	0.001	0.462	0.200	0.000	0.700	0.735
	Left	0.733	0.038	0.588	0.199	0.029	0.001	0.000	0.763*	0.656

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Table F-52
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.086	0.332	0.000	0.746*	0.957*
	Top	0.019	0.013	0.319	0.225	0.001	0.022	0.000	0.361	0.355
	Bottom	0.625	0.625	0.016	0.020	0.016	0.136	0.000	0.797	0.797
	Right	0.031	0.063	0.002	0.001	0.462	0.264	0.000	0.759	0.791
	Left	0.625	0.031	0.588	0.199	0.029	0.001	0.000	0.655*	0.649

Table F-53
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.026	0.480	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.094	0.001	0.022	0.000	0.898	0.902
	Bottom	0.017	0.013	0.016	0.011	0.018	0.265	0.000	0.316	0.312
	Right	0.735	0.023	0.002	0.002	0.202	0.447	0.000	0.737*	0.674
	Left	0.032	0.056	0.238	0.125	0.012	0.001	0.000	0.283	0.307

Table F-54
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.026	0.480	0.000	0.625*	0.944*
	Top	0.625	0.625	0.177	0.113	0.001	0.022	0.000	0.825	0.825
	Bottom	0.013	0.013	0.016	0.011	0.018	0.265	0.000	0.312	0.312
	Right	0.625	0.019	0.002	0.002	0.202	0.447	0.000	0.649*	0.670
	Left	0.031	0.050	0.307	0.153	0.012	0.001	0.000	0.351	0.370

Table F-55
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.026	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.001	0.022	0.000	0.363	0.357
	Bottom	0.746	0.740	0.016	0.011	0.018	0.100	0.000	0.880	0.874
	Right	0.036	0.071	0.002	0.002	0.202	0.200	0.000	0.440	0.475
	Left	0.733	0.038	0.588	0.153	0.012	0.001	0.000	0.746*	0.639

Table F-56
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.026	0.332	0.000	0.687*	0.957*
	Top	0.019	0.013	0.319	0.113	0.001	0.022	0.000	0.361	0.355
	Bottom	0.625	0.625	0.016	0.011	0.018	0.136	0.000	0.795	0.795
	Right	0.031	0.063	0.002	0.002	0.202	0.264	0.000	0.499	0.531
	Left	0.625	0.031	0.588	0.153	0.012	0.001	0.000	0.638*	0.632

Table F-57
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.744	0.480	0.000	0.744*	0.990*
	Top	0.737	0.741	0.138	0.075	0.014	0.022	0.000	0.897	0.901
	Bottom	0.017	0.013	0.016	0.020	0.206	0.265	0.000	0.302	0.298
	Right	0.735	0.023	0.002	0.001	0.186	0.447	0.000	0.737*	0.472
	Left	0.032	0.056	0.238	0.056	0.000	0.001	0.000	0.271	0.295

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Table F-58
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.744	0.480	0.000	0.744*	0.995*
	Top	0.625	0.625	0.177	0.115	0.014	0.022	0.000	0.824	0.824
	Bottom	0.013	0.013	0.016	0.020	0.206	0.265	0.000	0.298	0.298
	Right	0.625	0.019	0.002	0.001	0.186	0.447	0.000	0.627*	0.468
	Left	0.031	0.050	0.307	0.084	0.000	0.001	0.000	0.339	0.358

Table F-59
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.250	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.014	0.022	0.000	0.362	0.356
	Bottom	0.746	0.740	0.016	0.020	0.075	0.100	0.000	0.866	0.860
	Right	0.036	0.071	0.002	0.001	0.056	0.200	0.000	0.238	0.273
	Left	0.733	0.038	0.588	0.199	0.000	0.001	0.000	0.734*	0.627

Table F-60
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.370	0.332	0.000	0.746*	0.995*
	Top	0.019	0.013	0.319	0.225	0.014	0.022	0.000	0.360	0.354
	Bottom	0.625	0.625	0.016	0.020	0.106	0.136	0.000	0.781	0.781
	Right	0.031	0.063	0.002	0.001	0.086	0.264	0.000	0.297	0.329
	Left	0.625	0.031	0.588	0.199	0.000	0.001	0.000	0.626*	0.620

Table F-61
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.243	0.480	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.094	0.001	0.022	0.000	0.897	0.901
	Bottom	0.017	0.013	0.016	0.011	0.062	0.265	0.000	0.298	0.294
	Right	0.735	0.023	0.002	0.002	0.096	0.447	0.000	0.737*	0.472
	Left	0.032	0.056	0.238	0.125	0.000	0.001	0.000	0.271	0.295

Table F-62
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.243	0.480	0.000	0.625*	0.944*
	Top	0.625	0.625	0.177	0.113	0.001	0.022	0.000	0.824	0.824
	Bottom	0.013	0.013	0.016	0.011	0.062	0.265	0.000	0.294	0.294
	Right	0.625	0.019	0.002	0.002	0.096	0.447	0.000	0.627*	0.468
	Left	0.031	0.050	0.307	0.153	0.000	0.001	0.000	0.339	0.358

Table F-63
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.243	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.001	0.022	0.000	0.362	0.356
	Bottom	0.746	0.740	0.016	0.011	0.062	0.100	0.000	0.862	0.856
	Right	0.036	0.071	0.002	0.002	0.096	0.200	0.000	0.238	0.273
	Left	0.733	0.038	0.588	0.153	0.000	0.001	0.000	0.734*	0.627

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Table F-64
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.243	0.332	0.000	0.687*	0.957*
	Top	0.019	0.013	0.319	0.113	0.001	0.022	0.000	0.360	0.354
	Bottom	0.625	0.625	0.016	0.011	0.062	0.136	0.000	0.777	0.777
	Right	0.031	0.063	0.002	0.002	0.096	0.264	0.000	0.297	0.329
	Left	0.625	0.031	0.588	0.153	0.000	0.001	0.000	0.626*	0.620

Table F-65
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.086	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.075	0.131	0.000	0.882	0.886
	Bottom	0.017	0.013	0.266	0.016	0.020	0.025	0.000	0.324	0.320
	Right	0.735	0.023	0.474	0.462	0.001	0.004	0.000	0.936*	0.963
	Left	0.032	0.056	0.002	0.029	0.056	0.200	0.000	0.263	0.287

Table F-66
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.086	0.371	0.371	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.001	0.115	0.199	0.000	0.838	0.838
	Bottom	0.013	0.013	0.266	0.016	0.020	0.025	0.000	0.320	0.320
	Right	0.625	0.019	0.474	0.462	0.001	0.004	0.000	0.936*	0.959
	Left	0.031	0.050	0.002	0.029	0.084	0.301	0.000	0.363	0.382

Table F-67
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.086	0.746	0.698	0.000	0.746*	0.990*
	Top	0.021	0.015	0.013	0.001	0.225	0.278	0.000	0.313	0.307
	Bottom	0.746	0.740	0.106	0.016	0.020	0.025	0.000	0.893	0.887
	Right	0.036	0.071	0.238	0.462	0.001	0.004	0.000	0.740	0.775
	Left	0.733	0.038	0.002	0.029	0.199	0.579	0.000	0.764*	0.648

Table F-68
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.086	0.746	0.698	0.000	0.746*	0.972*
	Top	0.019	0.013	0.013	0.001	0.225	0.278	0.000	0.311	0.305
	Bottom	0.625	0.625	0.144	0.016	0.020	0.025	0.000	0.810	0.810
	Right	0.031	0.063	0.334	0.462	0.001	0.004	0.000	0.831	0.863
	Left	0.625	0.031	0.002	0.029	0.199	0.579	0.000	0.656*	0.641

Table F-69
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.026	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.094	0.131	0.000	0.882	0.886
	Bottom	0.017	0.013	0.266	0.018	0.011	0.025	0.000	0.326	0.322
	Right	0.735	0.023	0.474	0.202	0.002	0.004	0.000	0.739*	0.703
	Left	0.032	0.056	0.002	0.012	0.125	0.200	0.000	0.246	0.270

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Table F-70
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.026	0.299	0.371	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.001	0.113	0.199	0.000	0.838	0.838
	Bottom	0.013	0.013	0.266	0.018	0.011	0.025	0.000	0.322	0.322
	Right	0.625	0.019	0.474	0.202	0.002	0.004	0.000	0.676*	0.699
	Left	0.031	0.050	0.002	0.012	0.153	0.301	0.000	0.346	0.365

Table F-71
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.026	0.299	0.698	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.001	0.113	0.278	0.000	0.313	0.307
	Bottom	0.746	0.740	0.106	0.018	0.011	0.025	0.000	0.895	0.889
	Right	0.036	0.071	0.238	0.202	0.002	0.004	0.000	0.480	0.515
	Left	0.733	0.038	0.002	0.012	0.153	0.579	0.000	0.747*	0.631

Table F-72
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.026	0.299	0.698	0.000	0.698*	0.972*
	Top	0.019	0.013	0.013	0.001	0.113	0.278	0.000	0.311	0.305
	Bottom	0.625	0.625	0.144	0.018	0.011	0.025	0.000	0.812	0.812
	Right	0.031	0.063	0.334	0.202	0.002	0.004	0.000	0.571	0.603
	Left	0.625	0.031	0.002	0.012	0.153	0.579	0.000	0.639*	0.624

Table F-73
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.744	0.250	0.250	0.000	0.744*	0.990*
	Top	0.737	0.741	0.013	0.014	0.075	0.131	0.000	0.882	0.886
	Bottom	0.017	0.013	0.266	0.206	0.020	0.025	0.000	0.308	0.304
	Right	0.735	0.023	0.474	0.186	0.001	0.004	0.000	0.739*	0.501
	Left	0.032	0.056	0.002	0.000	0.056	0.200	0.000	0.234	0.258

Table F-74
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.744	0.371	0.371	0.000	0.744*	0.996*
	Top	0.625	0.625	0.013	0.014	0.115	0.199	0.000	0.838	0.838
	Bottom	0.013	0.013	0.266	0.206	0.020	0.025	0.000	0.304	0.304
	Right	0.625	0.019	0.474	0.186	0.001	0.004	0.000	0.629*	0.497
	Left	0.031	0.050	0.002	0.000	0.084	0.301	0.000	0.334	0.353

Table F-75
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.250	0.746	0.698	0.000	0.746*	0.990*
	Top	0.021	0.015	0.013	0.014	0.225	0.278	0.000	0.313	0.307
	Bottom	0.746	0.740	0.106	0.075	0.020	0.025	0.000	0.877	0.871
	Right	0.036	0.071	0.238	0.056	0.001	0.004	0.000	0.278	0.313
	Left	0.733	0.038	0.002	0.000	0.199	0.579	0.000	0.735*	0.619

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Table F-76
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.370	0.746	0.698	0.000	0.746*	0.995*
	Top	0.019	0.013	0.013	0.014	0.225	0.278	0.000	0.311	0.305
	Bottom	0.625	0.625	0.144	0.106	0.020	0.025	0.000	0.794	0.794
	Right	0.031	0.063	0.334	0.086	0.001	0.004	0.000	0.369	0.401
	Left	0.625	0.031	0.002	0.000	0.199	0.579	0.000	0.627*	0.612

Table F-77
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.243	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.094	0.131	0.000	0.881	0.885
	Bottom	0.017	0.013	0.266	0.062	0.011	0.025	0.000	0.308	0.304
	Right	0.735	0.023	0.474	0.096	0.002	0.004	0.000	0.739*	0.501
	Left	0.032	0.056	0.002	0.000	0.125	0.200	0.000	0.234	0.258

Table F-78
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.243	0.299	0.371	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.001	0.113	0.199	0.000	0.837	0.837
	Bottom	0.013	0.013	0.266	0.062	0.011	0.025	0.000	0.304	0.304
	Right	0.625	0.019	0.474	0.096	0.002	0.004	0.000	0.629*	0.497
	Left	0.031	0.050	0.002	0.000	0.153	0.301	0.000	0.334	0.353

Table F-79
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.243	0.299	0.698	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.001	0.113	0.278	0.000	0.312	0.306
	Bottom	0.746	0.740	0.106	0.062	0.011	0.025	0.000	0.877	0.871
	Right	0.036	0.071	0.238	0.096	0.002	0.004	0.000	0.278	0.313
	Left	0.733	0.038	0.002	0.000	0.153	0.579	0.000	0.735*	0.619

Table F-80
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.243	0.299	0.698	0.000	0.698*	0.972*
	Top	0.019	0.013	0.013	0.001	0.113	0.278	0.000	0.310	0.304
	Bottom	0.625	0.625	0.144	0.062	0.011	0.025	0.000	0.794	0.794
	Right	0.031	0.063	0.334	0.096	0.002	0.004	0.000	0.369	0.401
	Left	0.625	0.031	0.002	0.000	0.153	0.579	0.000	0.627*	0.612

Table F-81
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII Tx/BF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.480	0.044	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.063	0.022	0.000	0.000	0.897	0.901
	Bottom	0.017	0.013	0.016	0.021	0.265	0.010	0.000	0.313	0.309
	Right	0.735	0.023	0.002	0.000	0.447	0.364	0.000	0.811*	0.836
	Left	0.032	0.056	0.238	0.051	0.001	0.026	0.000	0.297	0.321

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Table F-82
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.480	0.044	0.000	0.625*	0.952*
	Top	0.625	0.625	0.177	0.084	0.022	0.000	0.000	0.824	0.824
	Bottom	0.013	0.013	0.016	0.021	0.265	0.010	0.000	0.309	0.309
	Right	0.625	0.019	0.002	0.000	0.447	0.364	0.000	0.811*	0.832
	Left	0.031	0.050	0.307	0.051	0.001	0.026	0.000	0.365	0.384

Table F-83
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.703	0.250	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.022	0.000	0.000	0.362	0.356
	Bottom	0.746	0.740	0.016	0.021	0.100	0.010	0.000	0.877	0.871
	Right	0.036	0.071	0.002	0.000	0.200	0.364	0.000	0.602	0.637
	Left	0.733	0.038	0.588	0.084	0.001	0.026	0.000	0.760*	0.653

Table F-84
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.332	0.044	0.000	0.703*	0.957*
	Top	0.019	0.013	0.319	0.171	0.022	0.000	0.000	0.360	0.354
	Bottom	0.625	0.625	0.016	0.021	0.136	0.010	0.000	0.792	0.792
	Right	0.031	0.063	0.002	0.000	0.264	0.364	0.000	0.661	0.693
	Left	0.625	0.031	0.588	0.084	0.001	0.026	0.000	0.652*	0.646

Table F-85
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.480	0.702	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.063	0.022	0.006	0.000	0.897	0.901
	Bottom	0.017	0.013	0.016	0.021	0.265	0.177	0.000	0.303	0.299
	Right	0.735	0.023	0.002	0.000	0.447	0.100	0.000	0.737*	0.472
	Left	0.032	0.056	0.238	0.051	0.001	0.000	0.000	0.271	0.295

Table F-86
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.480	0.702	0.000	0.702*	0.952*
	Top	0.625	0.625	0.177	0.084	0.022	0.006	0.000	0.824	0.824
	Bottom	0.013	0.013	0.016	0.021	0.265	0.177	0.000	0.299	0.299
	Right	0.625	0.019	0.002	0.000	0.447	0.100	0.000	0.627*	0.468
	Left	0.031	0.050	0.307	0.051	0.001	0.000	0.000	0.339	0.358

Table F-87
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.703	0.250	0.000	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.022	0.006	0.000	0.362	0.356
	Bottom	0.746	0.740	0.016	0.021	0.100	0.069	0.000	0.867	0.861
	Right	0.036	0.071	0.002	0.000	0.200	0.046	0.000	0.238	0.273
	Left	0.733	0.038	0.588	0.084	0.001	0.000	0.000	0.734*	0.627

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Table F-88
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.332	0.343	0.000	0.703*	0.968*
	Top	0.019	0.013	0.319	0.171	0.022	0.006	0.000	0.360	0.354
	Bottom	0.625	0.625	0.016	0.021	0.136	0.091	0.000	0.782	0.782
	Right	0.031	0.063	0.002	0.000	0.264	0.046	0.000	0.297	0.329
	Left	0.625	0.031	0.588	0.084	0.001	0.000	0.000	0.626*	0.620

Table F-89
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.250	0.250	0.044	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.131	0.063	0.000	0.000	0.881	0.885
	Bottom	0.017	0.013	0.266	0.025	0.021	0.010	0.000	0.318	0.314
	Right	0.735	0.023	0.474	0.004	0.000	0.364	0.000	0.838*	0.865
	Left	0.032	0.056	0.002	0.200	0.051	0.026	0.000	0.260	0.284

TxBF

Table F-90
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.371	0.327	0.044	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.199	0.084	0.000	0.000	0.837	0.837
	Bottom	0.013	0.013	0.266	0.025	0.021	0.010	0.000	0.314	0.314
	Right	0.625	0.019	0.474	0.004	0.000	0.364	0.000	0.838*	0.861
	Left	0.031	0.050	0.002	0.301	0.051	0.026	0.000	0.360	0.379

TxBF

Table F-91
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.698	0.703	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.278	0.171	0.000	0.000	0.312	0.306
	Bottom	0.746	0.740	0.106	0.025	0.021	0.010	0.000	0.887	0.881
	Right	0.036	0.071	0.238	0.004	0.000	0.364	0.000	0.642	0.677
	Left	0.733	0.038	0.002	0.579	0.084	0.026	0.000	0.761*	0.645

TxBF

Table F-92
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and NB U-NII

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.698	0.703	0.044	0.000	0.703*	0.972*
	Top	0.019	0.013	0.013	0.278	0.171	0.000	0.000	0.310	0.304
	Bottom	0.625	0.625	0.144	0.025	0.021	0.010	0.000	0.804	0.804
	Right	0.031	0.063	0.334	0.004	0.000	0.364	0.000	0.733	0.765
	Left	0.625	0.031	0.002	0.579	0.084	0.026	0.000	0.653*	0.638

TxBF

Table F-93
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.702	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.006	0.131	0.063	0.000	0.881	0.885
	Bottom	0.017	0.013	0.266	0.177	0.025	0.021	0.000	0.308	0.304
	Right	0.735	0.023	0.474	0.100	0.004	0.000	0.000	0.739*	0.501
	Left	0.032	0.056	0.002	0.000	0.200	0.051	0.000	0.234	0.258

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Table F-94
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.702	0.371	0.327	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.006	0.199	0.084	0.000	0.837	0.837
	Bottom	0.013	0.013	0.266	0.177	0.025	0.021	0.000	0.304	0.304
	Right	0.625	0.019	0.474	0.100	0.004	0.000	0.000	0.629*	0.497
	Left	0.031	0.050	0.002	0.000	0.301	0.051	0.000	0.334	0.353

Table F-95
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.250	0.698	0.703	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.006	0.278	0.171	0.000	0.312	0.306
	Bottom	0.746	0.740	0.106	0.069	0.025	0.021	0.000	0.877	0.871
	Right	0.036	0.071	0.238	0.046	0.004	0.000	0.000	0.278	0.313
	Left	0.733	0.038	0.002	0.000	0.579	0.084	0.000	0.735*	0.619

Table F-96
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF and 2.4 GHz Bluetooth

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.343	0.698	0.703	0.000	0.703*	0.972*
	Top	0.019	0.013	0.013	0.006	0.278	0.171	0.000	0.310	0.304
	Bottom	0.625	0.625	0.144	0.091	0.025	0.021	0.000	0.794	0.794
	Right	0.031	0.063	0.334	0.046	0.004	0.000	0.000	0.369	0.401
	Left	0.625	0.031	0.002	0.000	0.579	0.084	0.000	0.627*	0.612

Table F-97
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.086	0.628	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.075	0.001	0.024	0.000	0.900	0.904
	Bottom	0.017	0.013	0.016	0.020	0.016	0.253	0.000	0.306	0.302
	Right	0.735	0.023	0.002	0.001	0.462	0.534	0.000	0.996*	0.996*
	Left	0.032	0.056	0.238	0.056	0.029	0.002	0.000	0.301	0.325

Table F-98
Cellular Band Ant 3 & 4b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.086	0.628	0.000	0.628*	0.996*
	Top	0.625	0.625	0.177	0.115	0.001	0.024	0.000	0.827	0.827
	Bottom	0.013	0.013	0.016	0.020	0.016	0.253	0.000	0.302	0.302
	Right	0.625	0.019	0.002	0.001	0.462	0.534	0.000	0.996*	0.996*
	Left	0.031	0.050	0.307	0.084	0.029	0.002	0.000	0.369	0.388

Table F-99
Cellular Band Ant 1 & 2b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO and 802.15.4

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.086	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.001	0.024	0.000	0.365	0.359
	Bottom	0.746	0.740	0.016	0.020	0.016	0.088	0.000	0.870	0.864
	Right	0.036	0.071	0.002	0.001	0.462	0.225	0.000	0.725	0.760
	Left	0.733	0.038	0.588	0.199	0.029	0.002	0.000	0.764*	0.657

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Table F-100

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WFSB ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.086	0.343	0.000	0.746*	0.968*
	Top	0.019	0.013	0.319	0.225	0.001	0.024	0.000	0.363	0.357
	Bottom	0.625	0.625	0.016	0.020	0.016	0.124	0.000	0.785	0.785
	Right	0.031	0.063	0.002	0.001	0.462	0.308	0.000	0.803	0.835
	Left	0.625	0.031	0.588	0.199	0.029	0.002	0.000	0.656*	0.650

Table F-101

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant WFSB ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.026	0.026	0.628	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.094	0.001	0.024	0.000	0.900	0.904
	Bottom	0.017	0.013	0.016	0.011	0.018	0.253	0.000	0.304	0.300
	Right	0.735	0.023	0.002	0.002	0.202	0.534	0.000	0.737*	0.761
	Left	0.032	0.056	0.238	0.125	0.012	0.002	0.000	0.284	0.308

Table F-102

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant WFSB ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.026	0.628	0.000	0.628*	0.944*
	Top	0.625	0.625	0.177	0.113	0.001	0.024	0.000	0.827	0.827
	Bottom	0.013	0.013	0.016	0.011	0.018	0.253	0.000	0.300	0.300
	Right	0.625	0.019	0.002	0.002	0.202	0.534	0.000	0.736*	0.757
	Left	0.031	0.050	0.307	0.153	0.012	0.002	0.000	0.352	0.371

Table F-103

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WFSB ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.026	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.001	0.024	0.000	0.365	0.359
	Bottom	0.746	0.740	0.016	0.011	0.018	0.088	0.000	0.868	0.862
	Right	0.036	0.071	0.002	0.002	0.202	0.225	0.000	0.465	0.500
	Left	0.733	0.038	0.588	0.153	0.012	0.002	0.000	0.747*	0.640

Table F-104

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WFSB ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.026	0.343	0.000	0.887*	0.968*
	Top	0.019	0.013	0.319	0.113	0.001	0.024	0.000	0.363	0.357
	Bottom	0.625	0.625	0.016	0.011	0.018	0.124	0.000	0.783	0.783
	Right	0.031	0.063	0.002	0.002	0.202	0.308	0.000	0.543	0.575
	Left	0.625	0.031	0.588	0.153	0.012	0.002	0.000	0.639*	0.633

Table F-105

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.744	0.628	0.000	0.744*	0.990*
	Top	0.737	0.741	0.138	0.075	0.014	0.024	0.000	0.899	0.903
	Bottom	0.017	0.013	0.016	0.020	0.206	0.253	0.000	0.290	0.286
	Right	0.735	0.023	0.002	0.001	0.186	0.534	0.000	0.737*	0.559
	Left	0.032	0.056	0.238	0.056	0.000	0.002	0.000	0.272	0.296

Table F-106

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.371	0.744	0.628	0.000	0.744*	0.996*
	Top	0.625	0.625	0.177	0.115	0.014	0.024	0.000	0.826	0.826
	Bottom	0.013	0.013	0.016	0.020	0.206	0.253	0.000	0.286	0.286
	Right	0.625	0.019	0.002	0.001	0.186	0.534	0.000	0.627*	0.555
	Left	0.031	0.050	0.307	0.084	0.000	0.002	0.000	0.340	0.359

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Table F-107

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.746	0.250	0.250	0.000	0.746*	0.990*
	Top	0.021	0.015	0.319	0.225	0.014	0.024	0.000	0.364	0.358
	Bottom	0.746	0.740	0.016	0.020	0.075	0.088	0.000	0.854	0.848
	Right	0.036	0.071	0.002	0.001	0.056	0.225	0.000	0.263	0.298
	Left	0.733	0.038	0.588	0.199	0.000	0.002	0.000	0.735*	0.628

Table F-108

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.746	0.370	0.343	0.000	0.746*	0.995*
	Top	0.019	0.013	0.319	0.225	0.014	0.024	0.000	0.362	0.356
	Bottom	0.625	0.625	0.016	0.020	0.106	0.124	0.000	0.769	0.769
	Right	0.031	0.063	0.002	0.001	0.086	0.308	0.000	0.341	0.373
	Left	0.625	0.031	0.588	0.199	0.000	0.002	0.000	0.627*	0.621

Table F-109

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.243	0.628	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.094	0.001	0.024	0.000	0.899	0.903
	Bottom	0.017	0.013	0.016	0.011	0.062	0.253	0.000	0.286	0.282
	Right	0.735	0.023	0.002	0.002	0.096	0.534	0.000	0.737*	0.559
	Left	0.032	0.056	0.238	0.125	0.000	0.002	0.000	0.272	0.296

Table F-110

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.299	0.243	0.628	0.000	0.628*	0.944*
	Top	0.625	0.625	0.177	0.113	0.001	0.024	0.000	0.826	0.826
	Bottom	0.013	0.013	0.016	0.011	0.062	0.253	0.000	0.282	0.282
	Right	0.625	0.019	0.002	0.002	0.096	0.534	0.000	0.627*	0.555
	Left	0.031	0.050	0.307	0.153	0.000	0.002	0.000	0.340	0.359

Table F-111

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 2a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.299	0.243	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.113	0.001	0.024	0.000	0.364	0.358
	Bottom	0.746	0.740	0.016	0.011	0.062	0.088	0.000	0.850	0.844
	Right	0.036	0.071	0.002	0.002	0.096	0.225	0.000	0.263	0.298
	Left	0.733	0.038	0.588	0.153	0.000	0.002	0.000	0.735*	0.628

Table F-112

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.299	0.243	0.343	0.000	0.687*	0.968*
	Top	0.019	0.013	0.319	0.113	0.001	0.024	0.000	0.362	0.356
	Bottom	0.625	0.625	0.016	0.011	0.062	0.124	0.000	0.765	0.765
	Right	0.031	0.063	0.002	0.002	0.096	0.308	0.000	0.341	0.373
	Left	0.625	0.031	0.588	0.153	0.000	0.002	0.000	0.627*	0.621

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Table F-113

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.086	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.075	0.088	0.000	0.839	0.843
	Bottom	0.017	0.013	0.266	0.016	0.020	0.024	0.000	0.323	0.319
	Right	0.735	0.023	0.474	0.462	0.001	0.001	0.000	0.936*	0.960
	Left	0.032	0.056	0.002	0.029	0.056	0.206	0.000	0.269	0.293

Table F-114

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.086	0.371	0.361	0.000	0.741*	0.996*
	Top	0.625	0.625	0.013	0.001	0.115	0.130	0.000	0.769	0.769
	Bottom	0.013	0.013	0.266	0.016	0.020	0.024	0.000	0.319	0.319
	Right	0.625	0.019	0.474	0.462	0.001	0.001	0.000	0.936*	0.956
	Left	0.031	0.050	0.002	0.029	0.084	0.299	0.000	0.361	0.380

Table F-115

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.086	0.746	0.731	0.000	0.746*	0.990*
	Top	0.021	0.015	0.013	0.001	0.225	0.304	0.000	0.339	0.333
	Bottom	0.746	0.740	0.106	0.016	0.020	0.024	0.000	0.892	0.886
	Right	0.036	0.071	0.238	0.462	0.001	0.001	0.000	0.737	0.772
	Left	0.733	0.038	0.002	0.029	0.199	0.574	0.000	0.764*	0.643

Table F-116

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant WFSB ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.086	0.746	0.731	0.000	0.746*	0.972*
	Top	0.019	0.013	0.013	0.001	0.225	0.304	0.000	0.337	0.331
	Bottom	0.625	0.625	0.144	0.016	0.020	0.024	0.000	0.809	0.809
	Right	0.031	0.063	0.334	0.462	0.001	0.001	0.000	0.828	0.860
	Left	0.625	0.031	0.002	0.029	0.199	0.574	0.000	0.656*	0.636

Table F-117

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.026	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.094	0.088	0.000	0.845	0.849
	Bottom	0.017	0.013	0.266	0.018	0.011	0.024	0.000	0.325	0.321
	Right	0.735	0.023	0.474	0.202	0.002	0.001	0.000	0.737*	0.701
	Left	0.032	0.056	0.002	0.012	0.125	0.206	0.000	0.252	0.276

Table F-118

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WFSB ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.026	0.299	0.361	0.000	0.741*	0.986*
	Top	0.625	0.625	0.013	0.001	0.113	0.130	0.000	0.769	0.769
	Bottom	0.013	0.013	0.266	0.018	0.011	0.024	0.000	0.321	0.321
	Right	0.625	0.019	0.474	0.202	0.002	0.001	0.000	0.676*	0.697
	Left	0.031	0.050	0.002	0.012	0.153	0.299	0.000	0.344	0.363

Table F-119

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant WFSB ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.026	0.731	0.731	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.001	0.113	0.304	0.000	0.339	0.333
	Bottom	0.746	0.740	0.106	0.018	0.011	0.024	0.000	0.894	0.888
	Right	0.036	0.071	0.238	0.202	0.002	0.001	0.000	0.478	0.513
	Left	0.733	0.038	0.002	0.012	0.153	0.574	0.000	0.747*	0.626

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Table F-120

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.026	0.299	0.731	0.000	0.731*	0.972*
	Top	0.019	0.013	0.013	0.001	0.113	0.304	0.000	0.337	0.331
	Bottom	0.625	0.625	0.144	0.018	0.011	0.024	0.000	0.811	0.811
	Right	0.031	0.063	0.334	0.202	0.002	0.001	0.000	0.569	0.601
	Left	0.625	0.031	0.002	0.012	0.153	0.574	0.000	0.639*	0.619

Table F-121

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.744	0.250	0.250	0.000	0.744*	0.990*
	Top	0.737	0.741	0.013	0.014	0.075	0.088	0.000	0.839	0.843
	Bottom	0.017	0.013	0.266	0.206	0.020	0.024	0.000	0.307	0.303
	Right	0.735	0.023	0.474	0.186	0.001	0.001	0.000	0.736*	0.498
	Left	0.032	0.056	0.002	0.000	0.056	0.206	0.000	0.240	0.264

Table F-122

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.744	0.371	0.361	0.000	0.744*	0.996*
	Top	0.625	0.625	0.013	0.014	0.115	0.130	0.000	0.769	0.769
	Bottom	0.013	0.013	0.266	0.206	0.020	0.024	0.000	0.303	0.303
	Right	0.625	0.019	0.474	0.186	0.001	0.001	0.000	0.626*	0.494
	Left	0.031	0.050	0.002	0.000	0.084	0.299	0.000	0.332	0.351

Table F-123

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 2a Reduced to 0.25 ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.250	0.746	0.731	0.000	0.746*	0.990*
	Top	0.021	0.015	0.013	0.014	0.225	0.304	0.000	0.339	0.331
	Bottom	0.746	0.740	0.106	0.075	0.020	0.024	0.000	0.876	0.870
	Right	0.036	0.071	0.238	0.056	0.001	0.001	0.000	0.275	0.310
	Left	0.733	0.038	0.002	0.000	0.199	0.574	0.000	0.735*	0.614

Table F-124

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 2a Reduced to 0.375 ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.370	0.746	0.731	0.000	0.746*	0.995*
	Top	0.019	0.013	0.013	0.014	0.225	0.304	0.000	0.337	0.331
	Bottom	0.625	0.625	0.144	0.106	0.020	0.024	0.000	0.793	0.793
	Right	0.031	0.063	0.334	0.086	0.001	0.001	0.000	0.366	0.398
	Left	0.625	0.031	0.002	0.000	0.199	0.574	0.000	0.627*	0.607

Table F-125

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.25 ER	802.15.4 Ant 4a Reduced to 0.25 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.243	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.001	0.094	0.088	0.000	0.844	0.848
	Bottom	0.017	0.013	0.266	0.062	0.011	0.024	0.000	0.307	0.303
	Right	0.735	0.023	0.474	0.096	0.002	0.001	0.000	0.737*	0.499
	Left	0.032	0.056	0.002	0.000	0.125	0.206	0.000	0.240	0.264

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Table F-126

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a Reduced to 0.375 ER	802.15.4 Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.243	0.299	0.361	0.000	0.741*	0.986*
	Top	0.625	0.625	0.013	0.001	0.113	0.130	0.000	0.768	0.768
	Bottom	0.013	0.013	0.266	0.062	0.011	0.024	0.000	0.303	0.303
	Right	0.625	0.019	0.474	0.096	0.002	0.001	0.000	0.627*	0.495
	Left	0.031	0.050	0.002	0.000	0.153	0.299	0.000	0.332	0.351

Table F-127

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 2a Reduced to 0.25 ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.243	0.299	0.731	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.001	0.113	0.304	0.000	0.338	0.332
	Bottom	0.746	0.740	0.106	0.062	0.011	0.024	0.000	0.876	0.870
	Right	0.036	0.071	0.238	0.096	0.002	0.001	0.000	0.276	0.311
	Left	0.733	0.038	0.002	0.000	0.153	0.574	0.000	0.735*	0.614

Table F-128

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 2a Reduced to 0.375 ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.243	0.299	0.731	0.000	0.731*	0.972*
	Top	0.019	0.013	0.013	0.001	0.113	0.304	0.000	0.336	0.330
	Bottom	0.625	0.625	0.144	0.062	0.011	0.024	0.000	0.793	0.793
	Right	0.031	0.063	0.334	0.096	0.002	0.001	0.000	0.367	0.399
	Left	0.625	0.031	0.002	0.000	0.153	0.574	0.000	0.627*	0.607

Table F-129

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	802.15.4 Ant 2a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.628	0.044	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.063	0.024	0.000	0.000	0.899	0.903
	Bottom	0.017	0.013	0.016	0.021	0.253	0.010	0.000	0.301	0.297
	Right	0.735	0.023	0.002	0.000	0.534	0.364	0.000	0.898*	0.923
	Left	0.032	0.056	0.238	0.051	0.002	0.026	0.000	0.298	0.322

Table F-130

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	802.15.4 Ant 2a ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.628	0.044	0.000	0.628*	0.952*
	Top	0.625	0.625	0.177	0.084	0.024	0.000	0.000	0.826	0.826
	Bottom	0.013	0.013	0.016	0.021	0.253	0.010	0.000	0.297	0.297
	Right	0.625	0.019	0.002	0.000	0.534	0.364	0.000	0.898*	0.919
	Left	0.031	0.050	0.307	0.051	0.002	0.026	0.000	0.366	0.385

Table F-131

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.25 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.687	0.703	0.250	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.024	0.000	0.000	0.364	0.358
	Bottom	0.746	0.740	0.016	0.021	0.088	0.010	0.000	0.865	0.859
	Right	0.036	0.071	0.002	0.000	0.225	0.364	0.000	0.627	0.662
	Left	0.733	0.038	0.588	0.084	0.002	0.026	0.000	0.761*	0.654

Table F-132

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.375 ER	NB U-NII Ant WFSB ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.343	0.044	0.000	0.703*	0.968*
	Top	0.019	0.013	0.319	0.171	0.024	0.000	0.000	0.362	0.356
	Bottom	0.625	0.625	0.016	0.021	0.124	0.010	0.000	0.780	0.780
	Right	0.031	0.063	0.002	0.000	0.308	0.364	0.000	0.705	0.737
	Left	0.625	0.031	0.588	0.084	0.002	0.026	0.000	0.653*	0.647

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Table F-133

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.250	0.250	0.628	0.702	0.000	0.740*	0.990*
	Top	0.737	0.741	0.138	0.063	0.024	0.006	0.000	0.899	0.903
	Bottom	0.017	0.013	0.016	0.021	0.253	0.177	0.000	0.291	0.287
	Right	0.735	0.023	0.002	0.000	0.534	0.100	0.000	0.737*	0.559
	Left	0.032	0.056	0.238	0.051	0.002	0.000	0.000	0.272	0.296

Table F-134

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.319	0.327	0.628	0.702	0.000	0.702*	0.952*
	Top	0.625	0.625	0.177	0.084	0.024	0.006	0.000	0.826	0.826
	Bottom	0.013	0.013	0.016	0.021	0.253	0.177	0.000	0.287	0.287
	Right	0.625	0.019	0.002	0.000	0.534	0.100	0.000	0.627*	0.555
	Left	0.031	0.050	0.307	0.051	0.002	0.000	0.000	0.340	0.359

Table F-135

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.375 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	0.741	0.740	0.687	0.703	0.250	0.250	0.000	0.741*	0.990*
	Top	0.021	0.015	0.319	0.171	0.024	0.006	0.000	0.364	0.358
	Bottom	0.746	0.740	0.016	0.021	0.088	0.069	0.000	0.855	0.849
	Right	0.036	0.071	0.002	0.000	0.225	0.046	0.000	0.263	0.298
	Left	0.733	0.038	0.588	0.084	0.002	0.000	0.000	0.735*	0.628

Table F-136

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.687	0.703	0.343	0.343	0.000	0.703*	0.968*
	Top	0.019	0.013	0.319	0.171	0.024	0.006	0.000	0.362	0.356
	Bottom	0.625	0.625	0.016	0.021	0.124	0.091	0.000	0.770	0.770
	Right	0.031	0.063	0.002	0.000	0.308	0.046	0.000	0.341	0.373
	Left	0.625	0.031	0.588	0.084	0.002	0.000	0.000	0.627*	0.621

Table F-137

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.25 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.740	0.740	0.741	0.250	0.250	0.044	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.088	0.063	0.000	0.000	0.838	0.842
	Bottom	0.017	0.013	0.266	0.024	0.021	0.010	0.000	0.317	0.313
	Right	0.735	0.023	0.474	0.001	0.000	0.364	0.000	0.838*	0.862
	Left	0.032	0.056	0.002	0.206	0.051	0.026	0.000	0.266	0.290

Table F-138

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.361	0.327	0.044	0.000	0.741*	0.986*
	Top	0.625	0.625	0.013	0.130	0.084	0.000	0.000	0.768	0.768
	Bottom	0.013	0.013	0.266	0.024	0.021	0.010	0.000	0.313	0.313
	Right	0.625	0.019	0.474	0.001	0.000	0.364	0.000	0.838*	0.858
	Left	0.031	0.050	0.002	0.299	0.051	0.026	0.000	0.358	0.377

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Table F-139

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.731	0.703	0.044	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.304	0.171	0.000	0.000	0.338	0.332
	Bottom	0.746	0.740	0.106	0.024	0.021	0.010	0.000	0.886	0.880
	Right	0.036	0.071	0.238	0.001	0.000	0.364	0.000	0.639	0.674
	Left	0.733	0.038	0.002	0.574	0.084	0.026	0.000	0.761*	0.640

Table F-140

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.731	0.703	0.044	0.000	0.731*	0.972*
	Top	0.019	0.013	0.013	0.304	0.171	0.000	0.000	0.336	0.330
	Bottom	0.625	0.625	0.144	0.024	0.021	0.010	0.000	0.803	0.803
	Right	0.031	0.063	0.334	0.001	0.000	0.364	0.000	0.730	0.762
	Left	0.625	0.031	0.002	0.574	0.084	0.026	0.000	0.653*	0.633

Table F-141

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

Simult Tx	Configuration	Cellular Band Ant 3 ER	Cellular Band Ant 4b ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a Reduced to 0.25 ER	NB U-NII Ant 4a Reduced to 0.375 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	0.740	0.740	0.741	0.702	0.250	0.250	0.000	0.741*	0.990*
	Top	0.737	0.741	0.013	0.006	0.088	0.063	0.000	0.838	0.842
	Bottom	0.017	0.013	0.266	0.177	0.024	0.021	0.000	0.307	0.303
	Right	0.735	0.023	0.474	0.100	0.001	0.000	0.000	0.736*	0.498
	Left	0.032	0.056	0.002	0.000	0.206	0.051	0.000	0.240	0.264

Table F-142

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

Simult Tx	Configuration	Cellular Band Ant 3 Reduced to 0.625 ER	Cellular Band Ant 4b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a Reduced to 0.375 ER	NB U-NII Ant 4a Reduced to 0.375 ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.741	0.702	0.361	0.327	0.000	0.741*	0.988*
	Top	0.625	0.625	0.013	0.006	0.130	0.084	0.000	0.768	0.768
	Bottom	0.013	0.013	0.266	0.177	0.024	0.021	0.000	0.303	0.303
	Right	0.625	0.019	0.474	0.100	0.001	0.000	0.000	0.626*	0.494
	Left	0.031	0.050	0.002	0.000	0.299	0.051	0.000	0.332	0.351

Table F-143

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

Simult Tx	Configuration	Cellular Band Ant 1 ER	Cellular Band Ant 2b ER	2.4 GHz WIFI Ant 2a Reduced to 0.25 ER	NB U-NII Ant 2a Reduced to 0.25 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.741	0.740	0.250	0.250	0.731	0.703	0.000	0.741*	0.990*
	Top	0.021	0.015	0.013	0.006	0.304	0.171	0.000	0.338	0.332
	Bottom	0.746	0.740	0.106	0.069	0.024	0.021	0.000	0.876	0.870
	Right	0.036	0.071	0.238	0.046	0.001	0.000	0.000	0.275	0.310
	Left	0.733	0.038	0.002	0.000	0.574	0.084	0.000	0.735*	0.614

Table F-144

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

Simult Tx	Configuration	Cellular Band Ant 1 Reduced to 0.625 ER	Cellular Band Ant 2b Reduced to 0.625 ER	2.4 GHz WIFI Ant 2a Reduced to 0.375 ER	NB U-NII Ant 2a Reduced to 0.375 ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER	
		1	2	3	4	5	6	7	1+3+4+5+6+7	2+3+4+5+6+7
Body SAR	Back	0.625	0.625	0.347	0.343	0.731	0.703	0.000	0.731*	0.972*
	Top	0.019	0.013	0.013	0.006	0.304	0.171	0.000	0.336	0.330
	Bottom	0.625	0.625	0.144	0.091	0.024	0.021	0.000	0.793	0.793
	Right	0.031	0.063	0.334	0.046	0.001	0.000	0.000	0.366	0.398
	Left	0.625	0.031	0.002	0.000	0.574	0.084	0.000	0.627*	0.607

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Table F-145
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.741	0.086	0.000	0.746*
	Top	0.319	0.225	0.013	0.001	0.000	0.333
	Bottom	0.016	0.020	0.266	0.016	0.000	0.302
	Right	0.002	0.001	0.474	0.462	0.000	0.938
	Left	0.588	0.199	0.002	0.029	0.000	0.619

Table F-146
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.741	0.026	0.000	0.741*
	Top	0.319	0.113	0.013	0.001	0.000	0.333
	Bottom	0.016	0.011	0.266	0.018	0.000	0.300
	Right	0.002	0.002	0.474	0.202	0.000	0.678
	Left	0.588	0.153	0.002	0.012	0.000	0.602

Table F-147
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 5 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.741	0.744	0.000	0.746*
	Top	0.319	0.225	0.013	0.014	0.000	0.333
	Bottom	0.016	0.020	0.266	0.206	0.000	0.286
	Right	0.002	0.001	0.474	0.186	0.000	0.476
	Left	0.588	0.199	0.002	0.000	0.000	0.590

Table F-148
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, 6 GHz WIFI MIMO and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.741	0.243	0.000	0.741*
	Top	0.319	0.113	0.013	0.001	0.000	0.332
	Bottom	0.016	0.011	0.266	0.062	0.000	0.282
	Right	0.002	0.002	0.474	0.096	0.000	0.476
	Left	0.588	0.153	0.002	0.000	0.000	0.590

Table F-149
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.698	0.703	0.480	0.044	0.000	0.703*
	Top	0.278	0.171	0.022	0.000	0.000	0.300
	Bottom	0.025	0.021	0.265	0.010	0.000	0.300
	Right	0.004	0.000	0.447	0.364	0.000	0.815
	Left	0.579	0.084	0.001	0.026	0.000	0.606

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Table F-150
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.698	0.703	0.480	0.702	0.000	0.703*
	Top	0.278	0.171	0.022	0.006	0.000	0.300
	Bottom	0.025	0.021	0.265	0.177	0.000	0.290
	Right	0.004	0.000	0.447	0.100	0.000	0.451
	Left	0.579	0.084	0.001	0.000	0.000	0.580

Table F-151
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.741	0.044	0.000	0.741*
	Top	0.319	0.171	0.013	0.000	0.000	0.332
	Bottom	0.016	0.021	0.266	0.010	0.000	0.297
	Right	0.002	0.000	0.474	0.364	0.000	0.840
	Left	0.588	0.084	0.002	0.026	0.000	0.616

Table F-152
Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.741	0.702	0.000	0.741*
	Top	0.319	0.171	0.013	0.006	0.000	0.332
	Bottom	0.016	0.021	0.266	0.177	0.000	0.287
	Right	0.002	0.000	0.474	0.100	0.000	0.476
	Left	0.588	0.084	0.002	0.000	0.000	0.590

Table F-153
Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth MIMO and WPT

Simult Tx	Configuration	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.086	0.746	0.698	0.480	0.000	0.746*
	Top	0.001	0.225	0.278	0.022	0.000	0.301
	Bottom	0.016	0.020	0.025	0.265	0.000	0.306
	Right	0.462	0.001	0.004	0.447	0.000	0.913
	Left	0.029	0.199	0.579	0.001	0.000	0.609

Table F-154
Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth MIMO and WPT

Simult Tx	Configuration	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.026	0.299	0.698	0.480	0.000	0.698*
	Top	0.001	0.113	0.278	0.022	0.000	0.301
	Bottom	0.018	0.011	0.025	0.265	0.000	0.308
	Right	0.202	0.002	0.004	0.447	0.000	0.653
	Left	0.012	0.153	0.579	0.001	0.000	0.592

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Table F-155
Simultaneous Transmission Scenario with 5 GHz WIFI MIMO, 2.4 GHz Bluetooth MIMO and WPT

Simult Tx	Configuration	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.744	0.480	0.746	0.698	0.000	0.746*
	Top	0.014	0.022	0.225	0.278	0.000	0.300
	Bottom	0.206	0.265	0.020	0.025	0.000	0.290
	Right	0.186	0.447	0.001	0.004	0.000	0.451
	Left	0.000	0.001	0.199	0.579	0.000	0.580

Table F-156
Simultaneous Transmission Scenario with 6 GHz WIFI MIMO, 2.4 GHz Bluetooth MIMO and WPT

Simult Tx	Configuration	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.243	0.480	0.299	0.698	0.000	0.698*
	Top	0.001	0.022	0.113	0.278	0.000	0.300
	Bottom	0.062	0.265	0.011	0.025	0.000	0.290
	Right	0.096	0.447	0.002	0.004	0.000	0.451
	Left	0.000	0.001	0.153	0.579	0.000	0.580

Table F-157
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.086	0.480	0.000	0.746*
	Top	0.319	0.225	0.001	0.022	0.000	0.342
	Bottom	0.016	0.020	0.016	0.265	0.000	0.301
	Right	0.002	0.001	0.462	0.447	0.000	0.911
	Left	0.588	0.199	0.029	0.001	0.000	0.618

Table F-158
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.026	0.480	0.000	0.687*
	Top	0.319	0.113	0.001	0.022	0.000	0.342
	Bottom	0.016	0.011	0.018	0.265	0.000	0.299
	Right	0.002	0.002	0.202	0.447	0.000	0.651
	Left	0.588	0.153	0.012	0.001	0.000	0.601

Table F-159
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.744	0.480	0.000	0.746*
	Top	0.319	0.225	0.014	0.022	0.000	0.341
	Bottom	0.016	0.020	0.206	0.265	0.000	0.285
	Right	0.002	0.001	0.186	0.447	0.000	0.449
	Left	0.588	0.199	0.000	0.001	0.000	0.589

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Table F-160
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.243	0.480	0.000	0.687*
	Top	0.319	0.113	0.001	0.022	0.000	0.341
	Bottom	0.016	0.011	0.062	0.265	0.000	0.281
	Right	0.002	0.002	0.096	0.447	0.000	0.449
	Left	0.588	0.153	0.000	0.001	0.000	0.589

Table F-161
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.086	0.746	0.698	0.000	0.746*
	Top	0.013	0.001	0.225	0.278	0.000	0.292
	Bottom	0.266	0.016	0.020	0.025	0.000	0.307
	Right	0.474	0.462	0.001	0.004	0.000	0.940
	Left	0.002	0.029	0.199	0.579	0.000	0.610

Table F-162
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.026	0.299	0.698	0.000	0.741*
	Top	0.013	0.001	0.113	0.278	0.000	0.292
	Bottom	0.266	0.018	0.011	0.025	0.000	0.309
	Right	0.474	0.202	0.002	0.004	0.000	0.680
	Left	0.002	0.012	0.153	0.579	0.000	0.593

Table F-163
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.744	0.746	0.698	0.000	0.746*
	Top	0.013	0.014	0.225	0.278	0.000	0.292
	Bottom	0.266	0.206	0.020	0.025	0.000	0.291
	Right	0.474	0.186	0.001	0.004	0.000	0.478
	Left	0.002	0.000	0.199	0.579	0.000	0.581

Table F-164
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a ER	2.4 GHz Bluetooth Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.243	0.299	0.698	0.000	0.741*
	Top	0.013	0.001	0.113	0.278	0.000	0.291
	Bottom	0.266	0.062	0.011	0.025	0.000	0.291
	Right	0.474	0.096	0.002	0.004	0.000	0.478
	Left	0.002	0.000	0.153	0.579	0.000	0.581

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

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.480	0.044	0.000	0.703*
	Top	0.319	0.171	0.022	0.000	0.000	0.341
	Bottom	0.016	0.021	0.265	0.010	0.000	0.296
	Right	0.002	0.000	0.447	0.364	0.000	0.813
	Left	0.588	0.084	0.001	0.026	0.000	0.615

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

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	2.4 GHz Bluetooth Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.480	0.702	0.000	0.703*
	Top	0.319	0.171	0.022	0.006	0.000	0.341
	Bottom	0.016	0.021	0.265	0.177	0.000	0.286
	Right	0.002	0.000	0.447	0.100	0.000	0.449
	Left	0.588	0.084	0.001	0.000	0.000	0.589

Table F-167
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.698	0.703	0.044	0.000	0.741*
	Top	0.013	0.278	0.171	0.000	0.000	0.291
	Bottom	0.266	0.025	0.021	0.010	0.000	0.301
	Right	0.474	0.004	0.000	0.364	0.000	0.842
	Left	0.002	0.579	0.084	0.026	0.000	0.607

Table F-168
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 2.4 GHz Bluetooth and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	2.4 GHz Bluetooth Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.702	0.698	0.703	0.000	0.741*
	Top	0.013	0.006	0.278	0.171	0.000	0.291
	Bottom	0.266	0.177	0.025	0.021	0.000	0.291
	Right	0.474	0.100	0.004	0.000	0.000	0.478
	Left	0.002	0.000	0.579	0.084	0.000	0.581

Table F-169
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.086	0.628	0.000	0.746*
	Top	0.319	0.225	0.001	0.024	0.000	0.344
	Bottom	0.016	0.020	0.016	0.253	0.000	0.289
	Right	0.002	0.001	0.462	0.534	0.000	0.996*
	Left	0.588	0.199	0.029	0.002	0.000	0.619

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Table F-170
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant WF5B ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.026	0.628	0.000	0.687*
	Top	0.319	0.113	0.001	0.024	0.000	0.344
	Bottom	0.016	0.011	0.018	0.253	0.000	0.287
	Right	0.002	0.002	0.202	0.534	0.000	0.738
	Left	0.588	0.153	0.012	0.002	0.000	0.602

Table F-171
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 4a ER	5 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.746	0.744	0.628	0.000	0.746*
	Top	0.319	0.225	0.014	0.024	0.000	0.343
	Bottom	0.016	0.020	0.206	0.253	0.000	0.273
	Right	0.002	0.001	0.186	0.534	0.000	0.536
	Left	0.588	0.199	0.000	0.002	0.000	0.590

Table F-172
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 4a ER	6 GHz WIFI Ant 2a ER	802.15.4 Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.299	0.243	0.628	0.000	0.687*
	Top	0.319	0.113	0.001	0.024	0.000	0.343
	Bottom	0.016	0.011	0.062	0.253	0.000	0.269
	Right	0.002	0.002	0.096	0.534	0.000	0.536
	Left	0.588	0.153	0.000	0.002	0.000	0.590

Table F-173
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant WF5B ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.086	0.746	0.731	0.000	0.746*
	Top	0.013	0.001	0.225	0.304	0.000	0.318
	Bottom	0.266	0.016	0.020	0.024	0.000	0.306
	Right	0.474	0.462	0.001	0.001	0.000	0.937
	Left	0.002	0.029	0.199	0.574	0.000	0.605

Table F-174
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant WF5B ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.026	0.299	0.731	0.000	0.741*
	Top	0.013	0.001	0.113	0.304	0.000	0.318
	Bottom	0.266	0.018	0.011	0.024	0.000	0.308
	Right	0.474	0.202	0.002	0.001	0.000	0.678
	Left	0.002	0.012	0.153	0.574	0.000	0.588

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Table F-175
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 5 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 2a ER	5 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.744	0.746	0.731	0.000	0.746*
	Top	0.013	0.014	0.225	0.304	0.000	0.318
	Bottom	0.266	0.206	0.020	0.024	0.000	0.290
	Right	0.474	0.186	0.001	0.001	0.000	0.475
	Left	0.002	0.000	0.199	0.574	0.000	0.576

Table F-176
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 6 GHz WIFI MIMO, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 2a ER	6 GHz WIFI Ant 4a ER	802.15.4 Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.243	0.299	0.731	0.000	0.741*
	Top	0.013	0.001	0.113	0.304	0.000	0.317
	Bottom	0.266	0.062	0.011	0.024	0.000	0.290
	Right	0.474	0.096	0.002	0.001	0.000	0.476
	Left	0.002	0.000	0.153	0.574	0.000	0.576

Table F-177
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.628	0.044	0.000	0.703*
	Top	0.319	0.171	0.024	0.000	0.000	0.343
	Bottom	0.016	0.021	0.253	0.010	0.000	0.284
	Right	0.002	0.000	0.534	0.364	0.000	0.900
	Left	0.588	0.084	0.002	0.026	0.000	0.616

Table F-178
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 4a ER	NB U-NII Ant 4a ER	802.15.4 Ant 2a ER	NB U-NII Ant 2a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.687	0.703	0.628	0.702	0.000	0.703*
	Top	0.319	0.171	0.024	0.006	0.000	0.343
	Bottom	0.016	0.021	0.253	0.177	0.000	0.274
	Right	0.002	0.000	0.534	0.100	0.000	0.536
	Left	0.588	0.084	0.002	0.000	0.000	0.590

Table F-179
Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4, NB U-NII TxBF and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	NB U-NII Ant WF5B ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.731	0.703	0.044	0.000	0.741*
	Top	0.013	0.304	0.171	0.000	0.000	0.317
	Bottom	0.266	0.024	0.021	0.010	0.000	0.300
	Right	0.474	0.001	0.000	0.364	0.000	0.839
	Left	0.002	0.574	0.084	0.026	0.000	0.602

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Table F-180
Simultaneous Transmission Scenario with 2.4 GHz WIFI, NB U-NII TxBF, 802.15.4 and WPT

Simult Tx	Configuration	2.4 GHz WIFI Ant 2a ER	NB U-NII Ant 2a ER	802.15.4 Ant 4a ER	NB U-NII Ant 4a ER	WPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.741	0.702	0.731	0.703	0.000	0.741*
	Top	0.013	0.006	0.304	0.171	0.000	0.317
	Bottom	0.266	0.177	0.024	0.021	0.000	0.290
	Right	0.474	0.100	0.001	0.000	0.000	0.475
	Left	0.002	0.000	0.574	0.084	0.000	0.576

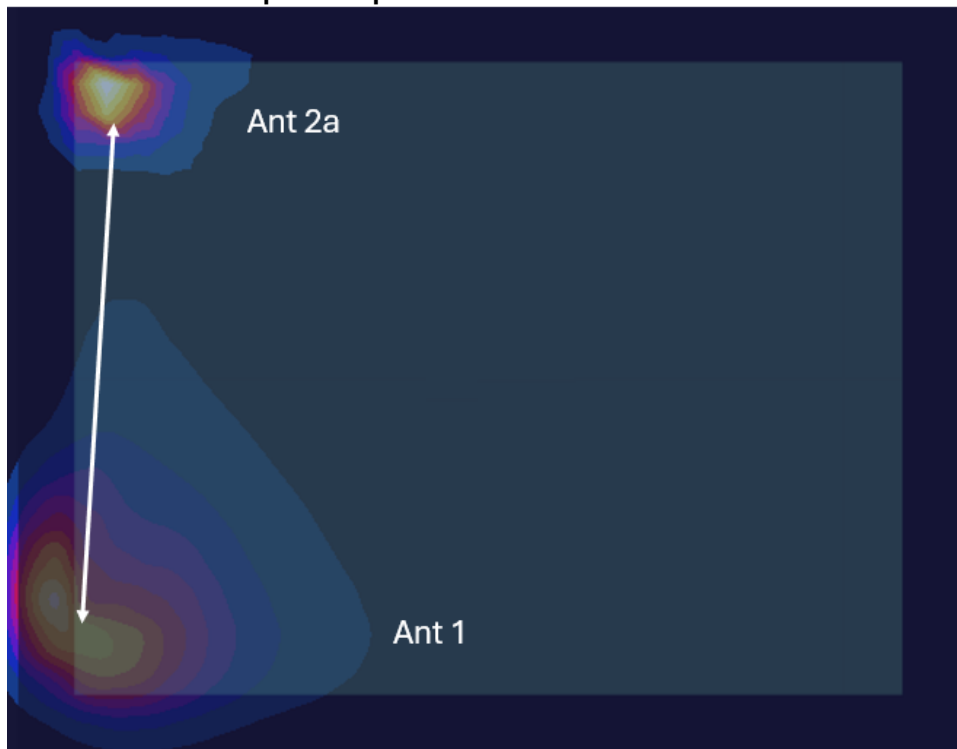
F.4 Spatial Separation Analysis

Per FCC KDB Publication 248227, antennas may be considered spatially separated when the aggregate SAR from multiple antennas at any location in the combined SAR distribution is either ≤ 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.

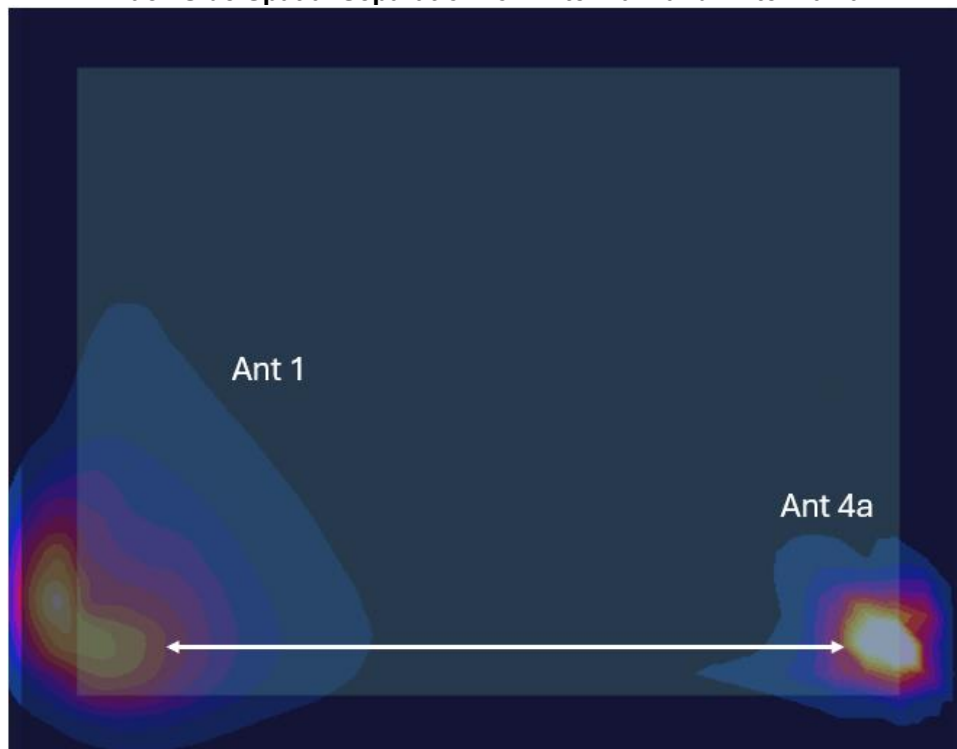
F.4.1 Back Side Spatial Separation Analysis

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



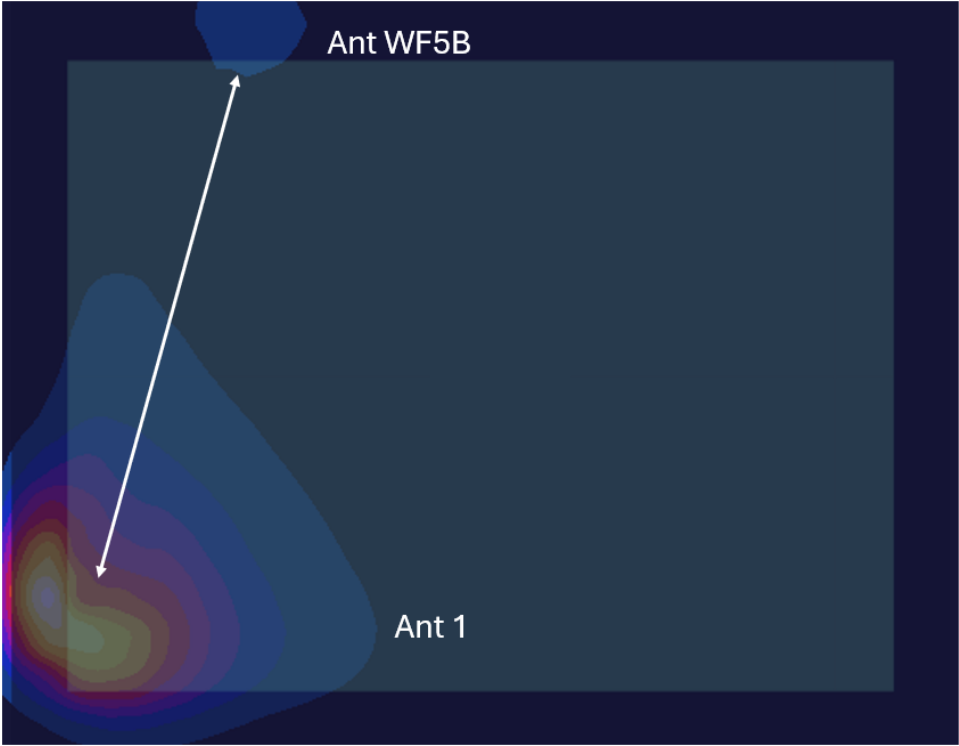
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Figure F-2
Back Side Spatial Separation for Antenna 1 and Antenna 4a



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Figure F-3
Back Side Spatial Separation for Antenna 1 and Antenna WF5B



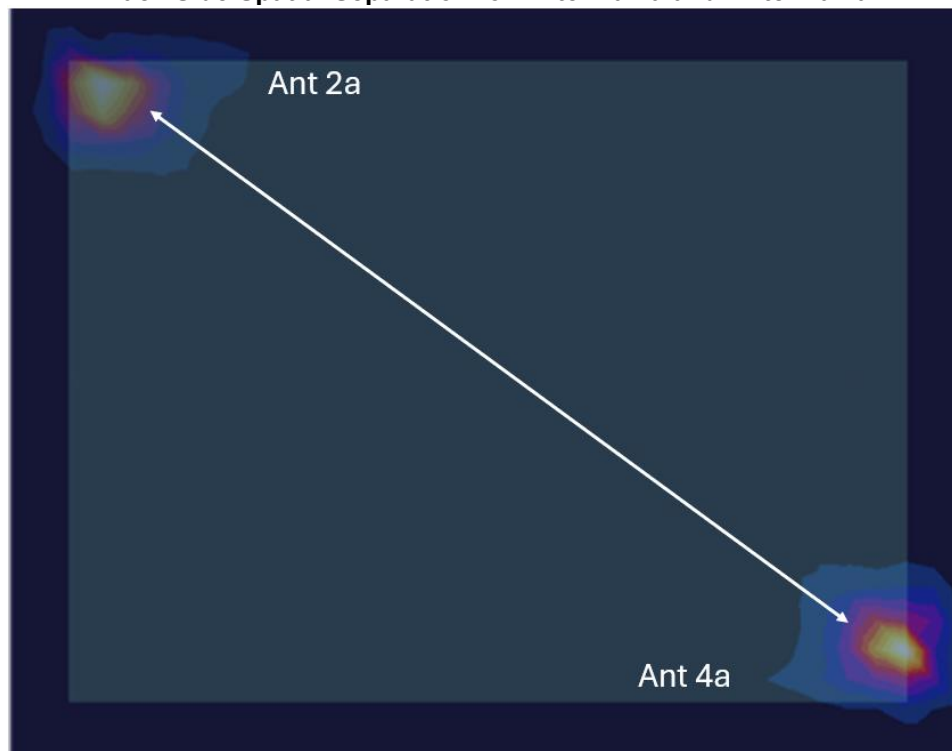
FCC ID: BCGA3361	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-4
Back Side Spatial Separation for Antenna 2a and Antenna 3



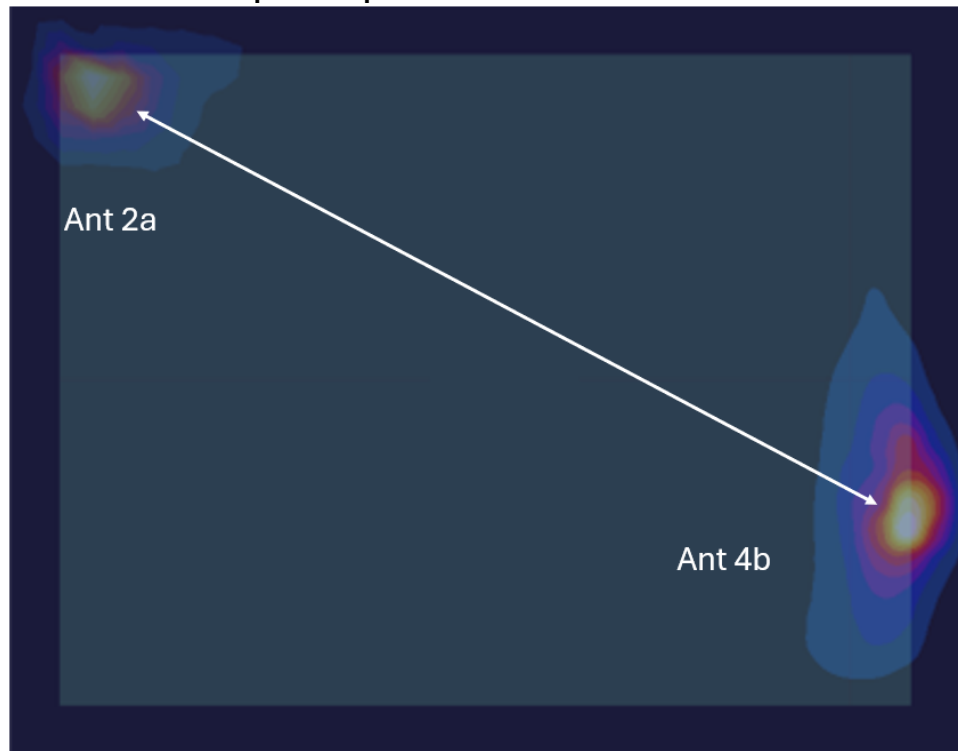
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Figure F-5
Back Side Spatial Separation for Antenna 2a and Antenna 4a



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Figure F-6
Back Side Spatial Separation for Antenna 2a and Antenna 4b



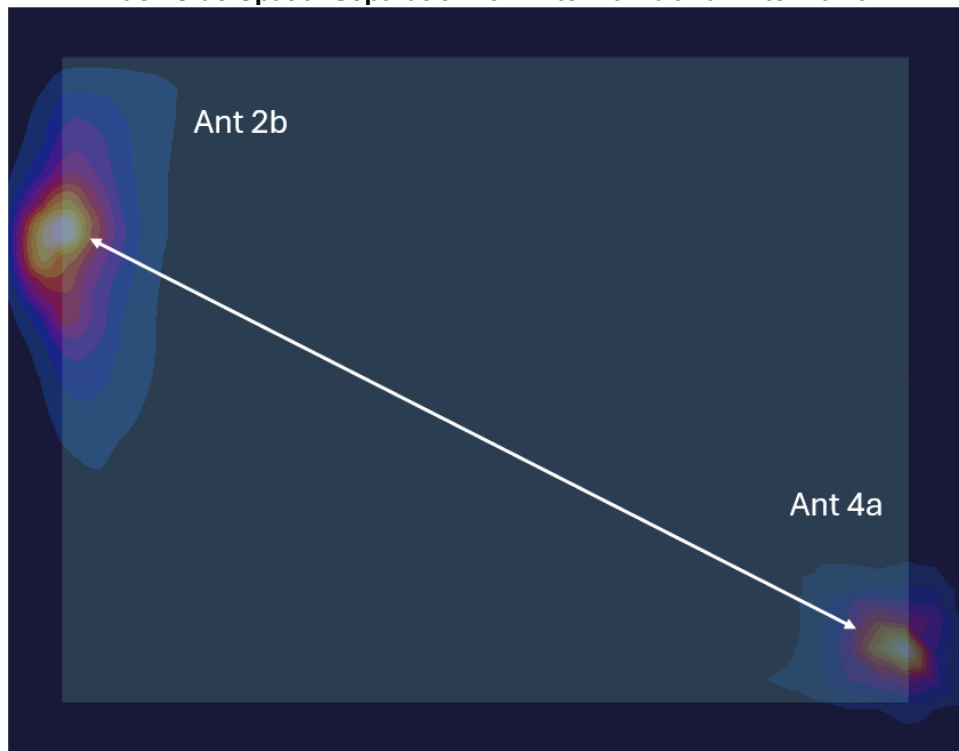
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Figure F-7
Back Side Spatial Separation for Antenna 2a and Antenna WF5B



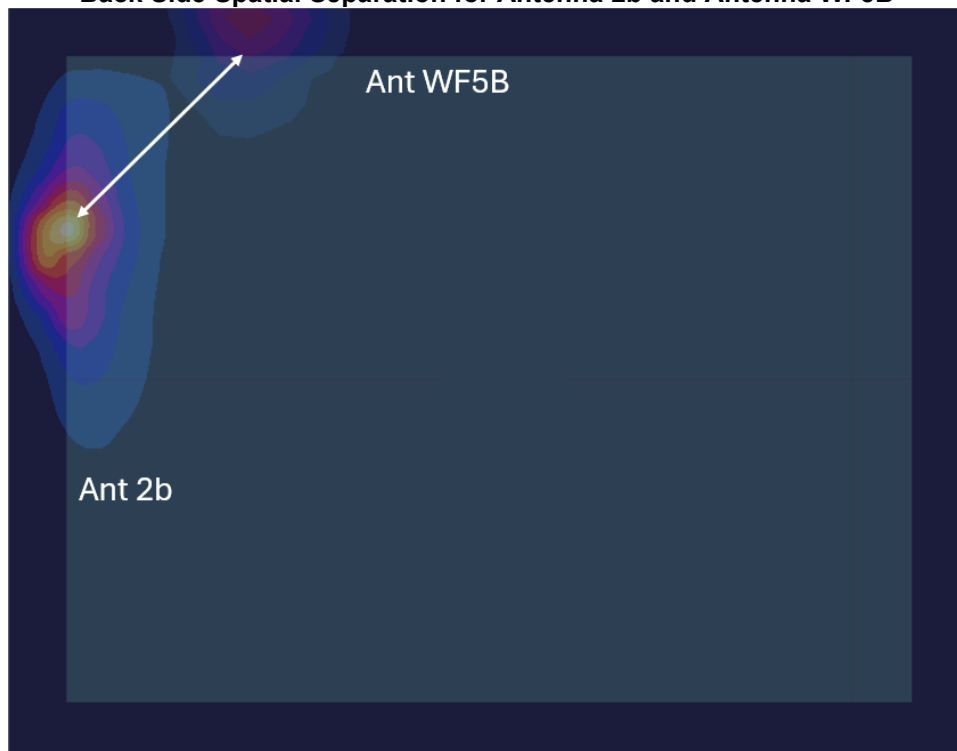
FCC ID: BCGA3361	RF EXPOSURE REPORT	Approved by: Technical Manager
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Figure F-8
Back Side Spatial Separation for Antenna 2b and Antenna 4a



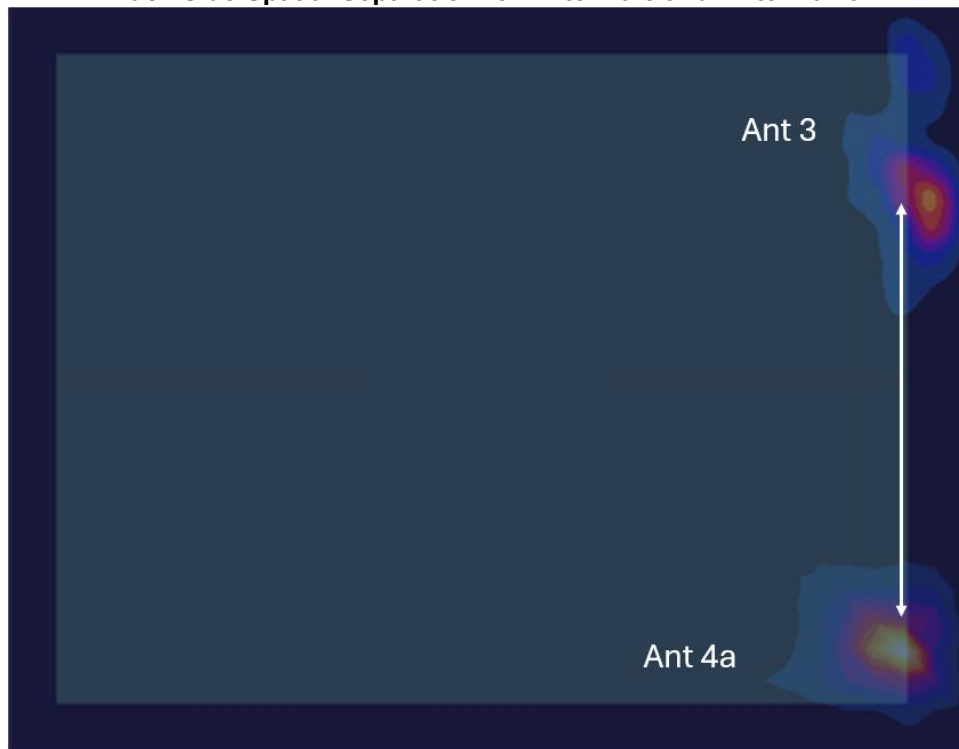
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Figure F-9
Back Side Spatial Separation for Antenna 2b and Antenna WF5B



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Figure F-10
Back Side Spatial Separation for Antenna 3 and Antenna 4a



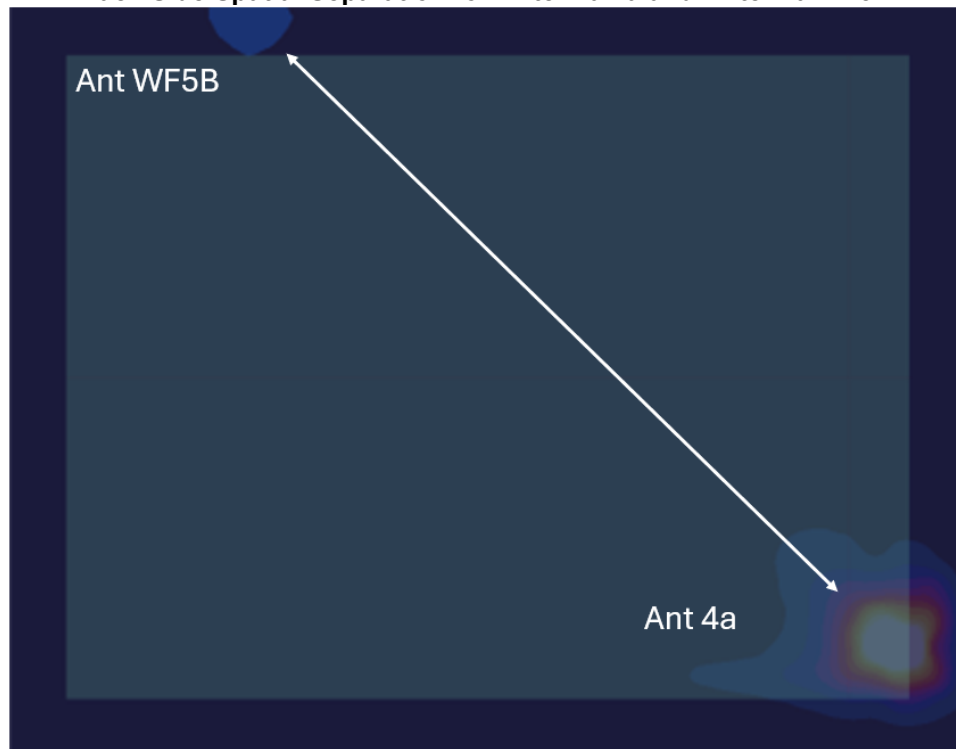
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Figure F-11
Back Side Spatial Separation for Antenna 3 and Antenna WF5B



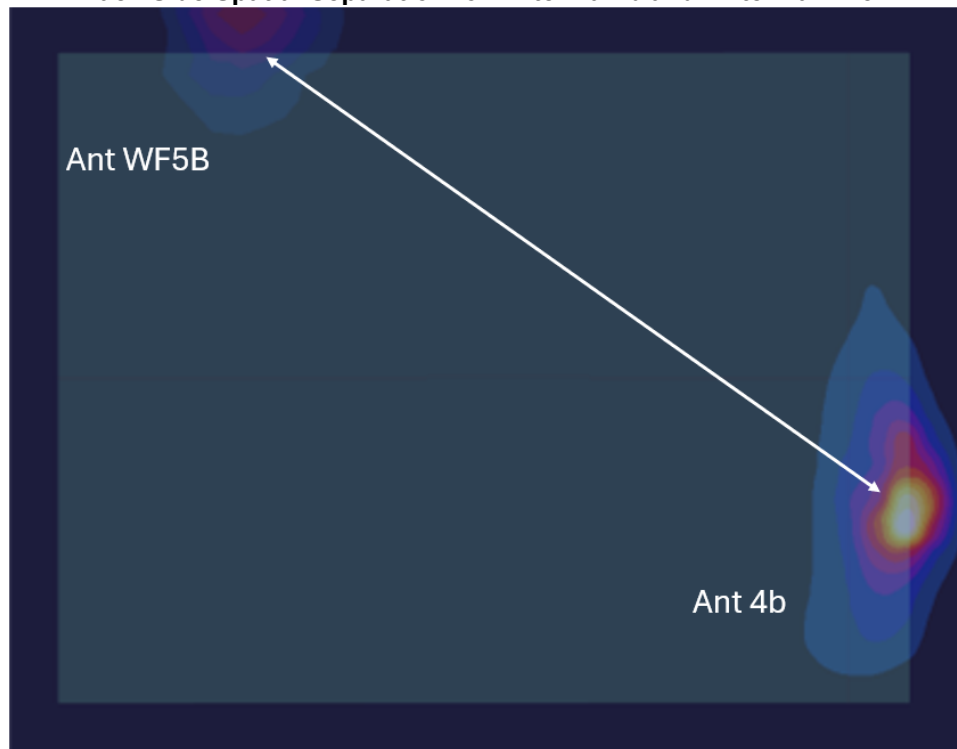
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Figure F-12
Back Side Spatial Separation for Antenna 4a and Antenna WF5B



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



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F.4.2 Left Edge Spatial Separation Analysis

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



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



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



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F.4.3 Right Edge Spatial Separation Analysis

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



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



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



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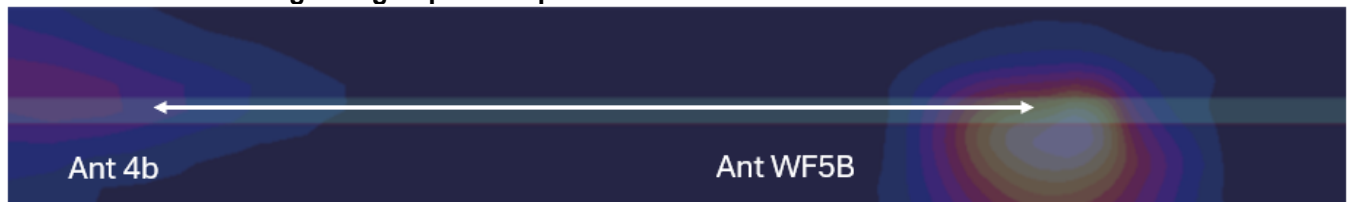
Figure F-20
Right Edge Spatial Separation for Antenna 4a and Antenna WF5B



Figure F-21
Right Edge Spatial Separation for Antenna 4b and Antenna 2a



Figure F-22
Right Edge Spatial Separation for Antenna 4b and Antenna WF5B



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F.5 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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