

APPENDIX E: MULTI-TX AND ANTENNA SAR CONSIDERATIONS

E.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.

E.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:

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

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 was treated independently for this configuration. See section E.4 for more information about the Spatial Separation Analysis.

Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G (including scenarios with inter-band ULCA active) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR and during inter-band ULCA active conditions to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G operations (including scenarios with inter-band ULCA active) is demonstrated in the Part 2 Report during algorithm validation.

All 3G/4G/5G transmitting antennas are within one Smart Transmit Gen2 antenna group, therefore no additional simultaneous analysis is required.

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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E.3 Body SAR Simultaneous Transmission Analysis

Table E-1

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.224	0.158	0.017	0.993*
	Top	0.004	0.185	0.004	0.000	0.193
	Bottom	0.137	0.011	0.054	0.000	0.202
	Right	0.000	0.648	0.000	0.001	0.649
	Left	0.575	0.000	0.131	0.000	0.706

Table E-2

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.158	0.017	0.796*
	Top	0.011	0.185	0.004	0.000	0.200
	Bottom	0.621	0.011	0.054	0.000	0.686
	Right	0.020	0.648	0.000	0.001	0.669
	Left	0.029	0.000	0.131	0.000	0.160

Table E-3

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.664	0.017	0.905*
	Top	0.028	0.185	0.004	0.000	0.217
	Bottom	0.579	0.011	0.211	0.000	0.801
	Right	0.621	0.648	0.000	0.001	0.649*
	Left	0.037	0.000	0.402	0.000	0.439

Table E-4

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.058	0.664	0.017	0.967
	Top	0.133	0.048	0.004	0.000	0.185
	Bottom	0.006	0.011	0.211	0.000	0.228
	Right	0.590	0.164	0.000	0.001	0.755
	Left	0.000	0.000	0.402	0.000	0.402

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Table E-5

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.058	0.664	0.017	0.681*
	Top	0.621	0.048	0.004	0.000	0.673
	Bottom	0.008	0.011	0.211	0.000	0.230
	Right	0.033	0.164	0.000	0.001	0.198
	Left	0.034	0.000	0.402	0.000	0.436

Table E-6

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.664	0.017	0.905*
	Top	0.578	0.185	0.004	0.000	0.767
	Bottom	0.031	0.011	0.211	0.000	0.253
	Right	0.040	0.648	0.000	0.001	0.689
	Left	0.611	0.000	0.402	0.000	0.611*

Table E-7

Cellular Band Ant 1a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.091	0.181	0.017	0.900
	Top	0.004	0.000	0.000	0.000	0.004
	Bottom	0.137	0.001	0.198	0.000	0.336
	Right	0.000	0.682	0.011	0.001	0.694
	Left	0.575	0.006	0.033	0.000	0.614

Table E-8

Cellular Band Ant 1a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.091	0.569	0.017	0.719*
	Top	0.004	0.000	0.674	0.000	0.678
	Bottom	0.137	0.001	0.000	0.000	0.138
	Right	0.000	0.682	0.029	0.001	0.712
	Left	0.575	0.006	0.017	0.000	0.598

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Table E-9
Cellular Band Ant 1a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.181	0.569	0.017	0.809*
	Top	0.004	0.000	0.674	0.000	0.678
	Bottom	0.137	0.198	0.000	0.000	0.335
	Right	0.000	0.011	0.029	0.001	0.041
	Left	0.575	0.033	0.017	0.000	0.625

Table E-10
Cellular Band Ant 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.181	0.017	0.910
	Top	0.011	0.000	0.000	0.000	0.011
	Bottom	0.621	0.001	0.198	0.000	0.820
	Right	0.020	0.682	0.011	0.001	0.714
	Left	0.029	0.006	0.033	0.000	0.068

Table E-11
Cellular Band Ant 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.569	0.017	0.729*
	Top	0.011	0.000	0.674	0.000	0.685
	Bottom	0.621	0.001	0.000	0.000	0.622
	Right	0.020	0.682	0.029	0.001	0.732
	Left	0.029	0.006	0.017	0.000	0.052

Table E-12
Cellular Band Ant 1b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.181	0.569	0.017	0.819*
	Top	0.011	0.000	0.674	0.000	0.685
	Bottom	0.621	0.198	0.000	0.000	0.819
	Right	0.020	0.011	0.029	0.001	0.061
	Left	0.029	0.033	0.017	0.000	0.079

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Table E-13

Cellular Band Ant 2 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.681	0.017	0.789*
	Top	0.028	0.000	0.000	0.000	0.028
	Bottom	0.579	0.001	0.681	0.000	0.682*
	Right	0.621	0.682	0.011	0.001	0.694*
	Left	0.037	0.006	0.033	0.000	0.076

Table E-14

Cellular Band Ant 2 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.569	0.017	0.729*
	Top	0.028	0.000	0.674	0.000	0.702
	Bottom	0.579	0.001	0.000	0.000	0.580
	Right	0.621	0.682	0.029	0.001	0.712*
	Left	0.037	0.006	0.017	0.000	0.060

Table E-15

Cellular Band Ant 2 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.681	0.569	0.017	0.698*
	Top	0.028	0.000	0.674	0.000	0.702
	Bottom	0.579	0.681	0.000	0.000	0.681*
	Right	0.621	0.011	0.029	0.001	0.662
	Left	0.037	0.033	0.017	0.000	0.087

Table E-16

Cellular Band Ant 3a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.015	0.681	0.017	0.941
	Top	0.133	0.000	0.000	0.000	0.133
	Bottom	0.006	0.001	0.681	0.000	0.688
	Right	0.590	0.146	0.011	0.001	0.748
	Left	0.000	0.006	0.033	0.000	0.039

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Table E-17

Cellular Band Ant 3a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.015	0.131	0.017	0.391
	Top	0.133	0.000	0.166	0.000	0.299
	Bottom	0.006	0.001	0.000	0.000	0.007
	Right	0.590	0.146	0.029	0.001	0.766
	Left	0.000	0.006	0.017	0.000	0.023

Table E-18

Cellular Band Ant 3a Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.681	0.131	0.017	0.698*
	Top	0.133	0.000	0.166	0.000	0.299
	Bottom	0.006	0.681	0.000	0.000	0.687
	Right	0.590	0.011	0.029	0.001	0.631
	Left	0.000	0.033	0.017	0.000	0.050

Table E-19

Cellular Band Ant 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.015	0.681	0.017	0.713*
	Top	0.621	0.000	0.000	0.000	0.621
	Bottom	0.008	0.001	0.681	0.000	0.690
	Right	0.033	0.146	0.011	0.001	0.191
	Left	0.034	0.006	0.033	0.000	0.073

Table E-20

Cellular Band Ant 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.015	0.131	0.017	0.616
	Top	0.621	0.000	0.166	0.000	0.787
	Bottom	0.008	0.001	0.000	0.000	0.009
	Right	0.033	0.146	0.029	0.001	0.209
	Left	0.034	0.006	0.017	0.000	0.057

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Table E-21
Cellular Band Ant 3b Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.681	0.131	0.017	0.698*
	Top	0.621	0.000	0.166	0.000	0.787
	Bottom	0.008	0.681	0.000	0.000	0.689
	Right	0.033	0.011	0.029	0.001	0.074
	Left	0.034	0.033	0.017	0.000	0.084

Table E-22
Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.681	0.017	0.789*
	Top	0.578	0.000	0.000	0.000	0.578
	Bottom	0.031	0.001	0.681	0.000	0.713
	Right	0.040	0.682	0.011	0.001	0.734
	Left	0.611	0.006	0.033	0.000	0.650

Table E-23
Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.091	0.569	0.017	0.729*
	Top	0.578	0.000	0.674	0.000	0.674*
	Bottom	0.031	0.001	0.000	0.000	0.032
	Right	0.040	0.682	0.029	0.001	0.752
	Left	0.611	0.006	0.017	0.000	0.634

Table E-24
Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.681	0.569	0.017	0.698*
	Top	0.578	0.000	0.674	0.000	0.674*
	Bottom	0.031	0.681	0.000	0.000	0.712
	Right	0.040	0.011	0.029	0.001	0.081
	Left	0.611	0.033	0.017	0.000	0.661

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Table E-25

Cellular Band Ant 1a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.036	0.121	0.017	0.785
	Top	0.004	0.000	0.000	0.000	0.004
	Bottom	0.137	0.001	0.132	0.000	0.270
	Right	0.000	0.563	0.000	0.001	0.564
	Left	0.575	0.006	0.024	0.000	0.605

Table E-26

Cellular Band Ant 1a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.036	0.441	0.017	0.664*
	Top	0.004	0.000	0.663	0.000	0.667
	Bottom	0.137	0.001	0.000	0.000	0.138
	Right	0.000	0.563	0.043	0.001	0.607
	Left	0.575	0.006	0.011	0.000	0.592

Table E-27

Cellular Band Ant 1a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.121	0.441	0.017	0.749*
	Top	0.004	0.000	0.663	0.000	0.667
	Bottom	0.137	0.132	0.000	0.000	0.269
	Right	0.000	0.000	0.043	0.001	0.044
	Left	0.575	0.024	0.011	0.000	0.610

Table E-28

Cellular Band Ant 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.121	0.017	0.795
	Top	0.011	0.000	0.000	0.000	0.011
	Bottom	0.621	0.001	0.132	0.000	0.754
	Right	0.020	0.563	0.000	0.001	0.584
	Left	0.029	0.006	0.024	0.000	0.059

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Table E-29
Cellular Band Ant 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.441	0.017	0.674*
	Top	0.011	0.000	0.663	0.000	0.674
	Bottom	0.621	0.001	0.000	0.000	0.622
	Right	0.020	0.563	0.043	0.001	0.627
	Left	0.029	0.006	0.011	0.000	0.046

Table E-30
Cellular Band Ant 1b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.121	0.441	0.017	0.759*
	Top	0.011	0.000	0.663	0.000	0.674
	Bottom	0.621	0.132	0.000	0.000	0.753
	Right	0.020	0.000	0.043	0.001	0.064
	Left	0.029	0.024	0.011	0.000	0.064

Table E-31
Cellular Band Ant 2 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.474	0.017	0.674*
	Top	0.028	0.000	0.000	0.000	0.028
	Bottom	0.579	0.001	0.676	0.000	0.677*
	Right	0.621	0.563	0.000	0.001	0.622*
	Left	0.037	0.006	0.024	0.000	0.067

Table E-32
Cellular Band Ant 2 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.441	0.017	0.674*
	Top	0.028	0.000	0.663	0.000	0.691
	Bottom	0.579	0.001	0.000	0.000	0.580
	Right	0.621	0.563	0.043	0.001	0.665*
	Left	0.037	0.006	0.011	0.000	0.054

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Table E-33
Cellular Band Ant 2 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.474	0.441	0.017	0.932*
	Top	0.028	0.000	0.663	0.000	0.691
	Bottom	0.579	0.676	0.000	0.000	0.676*
	Right	0.621	0.000	0.043	0.001	0.665
	Left	0.037	0.024	0.011	0.000	0.072

Table E-34
Cellular Band Ant 3a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.036	0.474	0.017	0.755
	Top	0.133	0.000	0.000	0.000	0.133
	Bottom	0.006	0.001	0.676	0.000	0.683
	Right	0.590	0.160	0.000	0.001	0.751
	Left	0.000	0.006	0.024	0.000	0.030

Table E-35
Cellular Band Ant 3a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.036	0.134	0.017	0.415
	Top	0.133	0.000	0.184	0.000	0.317
	Bottom	0.006	0.001	0.000	0.000	0.007
	Right	0.590	0.160	0.043	0.001	0.794
	Left	0.000	0.006	0.011	0.000	0.017

Table E-36
Cellular Band Ant 3a Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.474	0.134	0.017	0.853
	Top	0.133	0.000	0.184	0.000	0.317
	Bottom	0.006	0.676	0.000	0.000	0.682
	Right	0.590	0.000	0.043	0.001	0.634
	Left	0.000	0.024	0.011	0.000	0.035

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Table E-37
Cellular Band Ant 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.036	0.474	0.017	0.980
	Top	0.621	0.000	0.000	0.000	0.621
	Bottom	0.008	0.001	0.676	0.000	0.685
	Right	0.033	0.160	0.000	0.001	0.194
	Left	0.034	0.006	0.024	0.000	0.064

Table E-38
Cellular Band Ant 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.036	0.134	0.017	0.640
	Top	0.621	0.000	0.184	0.000	0.805
	Bottom	0.008	0.001	0.000	0.000	0.009
	Right	0.033	0.160	0.043	0.001	0.237
	Left	0.034	0.006	0.011	0.000	0.051

Table E-39
Cellular Band Ant 3b Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.474	0.134	0.017	0.604*
	Top	0.621	0.000	0.184	0.000	0.805
	Bottom	0.008	0.676	0.000	0.000	0.684
	Right	0.033	0.000	0.043	0.001	0.077
	Left	0.034	0.024	0.011	0.000	0.069

Table E-40
Cellular Band Ant 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.474	0.017	0.674*
	Top	0.578	0.000	0.000	0.000	0.578
	Bottom	0.031	0.001	0.676	0.000	0.708
	Right	0.040	0.563	0.000	0.001	0.604
	Left	0.611	0.006	0.024	0.000	0.641

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Table E-41
Cellular Band Ant 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.441	0.017	0.674*
	Top	0.578	0.000	0.663	0.000	0.663*
	Bottom	0.031	0.001	0.000	0.000	0.032
	Right	0.040	0.563	0.043	0.001	0.647
	Left	0.611	0.006	0.011	0.000	0.628

Table E-42
Cellular Band Ant 4 Simultaneous Transmission Scenario with 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.474	0.441	0.017	0.932*
	Top	0.578	0.000	0.663	0.000	0.663*
	Bottom	0.031	0.676	0.000	0.000	0.707
	Right	0.040	0.000	0.043	0.001	0.084
	Left	0.611	0.024	0.011	0.000	0.646

Table E-43
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.346	0.236	0.017	0.864*
	Top	0.004	0.239	0.004	0.000	0.247
	Bottom	0.137	0.001	0.061	0.000	0.199
	Right	0.000	0.678	0.000	0.001	0.679
	Left	0.575	0.000	0.214	0.000	0.789

Table E-44
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.346	0.236	0.017	0.874*
	Top	0.011	0.239	0.004	0.000	0.254
	Bottom	0.621	0.001	0.061	0.000	0.683
	Right	0.020	0.678	0.000	0.001	0.699
	Left	0.029	0.000	0.214	0.000	0.243

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Table E-45**Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.346	0.681	0.017	0.984*
	Top	0.028	0.239	0.004	0.000	0.271
	Bottom	0.579	0.001	0.189	0.000	0.769
	Right	0.621	0.678	0.000	0.001	0.679*
	Left	0.037	0.000	0.678	0.000	0.715

Table E-46**Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.081	0.681	0.017	0.990*
	Top	0.133	0.075	0.004	0.000	0.212
	Bottom	0.006	0.001	0.189	0.000	0.196
	Right	0.590	0.175	0.000	0.001	0.766
	Left	0.000	0.000	0.678	0.000	0.678

Table E-47**Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.081	0.681	0.017	0.698*
	Top	0.621	0.075	0.004	0.000	0.700
	Bottom	0.008	0.001	0.189	0.000	0.198
	Right	0.033	0.175	0.000	0.001	0.209
	Left	0.034	0.000	0.678	0.000	0.712

Table E-48**Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.346	0.681	0.017	0.984*
	Top	0.578	0.239	0.004	0.000	0.821
	Bottom	0.031	0.001	0.189	0.000	0.221
	Right	0.040	0.678	0.000	0.001	0.719
	Left	0.611	0.000	0.678	0.000	0.678*

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Table E-49

Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	NB U-NII Ant 5T ER	NB U-NII Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.036	0.471	0.017	0.664*
	Top	0.004	0.000	0.683	0.000	0.687
	Bottom	0.137	0.000	0.001	0.000	0.138
	Right	0.000	0.304	0.028	0.001	0.333
	Left	0.575	0.001	0.009	0.000	0.585

Table E-50

Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	NB U-NII Ant 5T ER	NB U-NII Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.471	0.017	0.674*
	Top	0.011	0.000	0.683	0.000	0.694
	Bottom	0.621	0.000	0.001	0.000	0.622
	Right	0.020	0.304	0.028	0.001	0.353
	Left	0.029	0.001	0.009	0.000	0.039

Table E-51

Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	NB U-NII Ant 5T ER	NB U-NII Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.471	0.017	0.674*
	Top	0.028	0.000	0.683	0.000	0.711
	Bottom	0.579	0.000	0.001	0.000	0.580
	Right	0.621	0.304	0.028	0.001	0.954
	Left	0.037	0.001	0.009	0.000	0.047

Table E-52

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.036	0.177	0.017	0.458
	Top	0.133	0.000	0.225	0.000	0.358
	Bottom	0.006	0.000	0.001	0.000	0.007
	Right	0.590	0.274	0.028	0.001	0.893
	Left	0.000	0.001	0.009	0.000	0.010

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Table E-53

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.036	0.177	0.017	0.683
	Top	0.621	0.000	0.225	0.000	0.846
	Bottom	0.008	0.000	0.001	0.000	0.009
	Right	0.033	0.274	0.028	0.001	0.336
	Left	0.034	0.001	0.009	0.000	0.044

Table E-54

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII TxBF and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	NB U-NII Ant 5T ER	NB U-NII Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.036	0.471	0.017	0.674*
	Top	0.578	0.000	0.683	0.000	0.683*
	Bottom	0.031	0.000	0.001	0.000	0.032
	Right	0.040	0.304	0.028	0.001	0.373
	Left	0.611	0.001	0.009	0.000	0.621

Table E-55

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.081	0.236	0.091	0.569	0.017	0.955*
	Top	0.004	0.075	0.004	0.000	0.674	0.000	0.757
	Bottom	0.137	0.001	0.061	0.001	0.000	0.000	0.200
	Right	0.000	0.175	0.000	0.682	0.029	0.001	0.887
	Left	0.575	0.000	0.214	0.006	0.017	0.000	0.812

Table E-56

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

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.081	0.136	0.569	0.181	0.017	0.945*
	Top	0.004	0.075	0.004	0.674	0.000	0.000	0.757
	Bottom	0.137	0.001	0.034	0.000	0.198	0.000	0.370
	Right	0.000	0.175	0.000	0.029	0.011	0.001	0.216
	Left	0.575	0.000	0.122	0.017	0.033	0.000	0.747

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Table E-57
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.346	0.136	0.181	0.091	0.017	0.945*
	Top	0.004	0.239	0.004	0.000	0.000	0.000	0.247
	Bottom	0.137	0.001	0.034	0.198	0.001	0.000	0.371
	Right	0.000	0.678	0.000	0.011	0.682	0.001	0.694*
	Left	0.575	0.000	0.122	0.033	0.006	0.000	0.736

Table E-58
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.091	0.569	0.017	0.965*
	Top	0.011	0.075	0.004	0.000	0.674	0.000	0.764
	Bottom	0.621	0.001	0.061	0.001	0.000	0.000	0.684
	Right	0.020	0.175	0.000	0.682	0.029	0.001	0.907
	Left	0.029	0.000	0.214	0.006	0.017	0.000	0.266

Table E-59
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.136	0.569	0.181	0.017	0.955*
	Top	0.011	0.075	0.004	0.674	0.000	0.000	0.764
	Bottom	0.621	0.001	0.034	0.000	0.198	0.000	0.854
	Right	0.020	0.175	0.000	0.029	0.011	0.001	0.236
	Left	0.029	0.000	0.122	0.017	0.033	0.000	0.201

Table E-60
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.136	0.181	0.091	0.017	0.955*
	Top	0.011	0.239	0.004	0.000	0.000	0.000	0.254
	Bottom	0.621	0.001	0.034	0.198	0.001	0.000	0.855
	Right	0.020	0.678	0.000	0.011	0.682	0.001	0.714*
	Left	0.029	0.000	0.122	0.033	0.006	0.000	0.190

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Table E-61

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

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.681	0.091	0.569	0.017	0.789*
	Top	0.028	0.075	0.004	0.000	0.674	0.000	0.781
	Bottom	0.579	0.001	0.189	0.001	0.000	0.000	0.770
	Right	0.621	0.175	0.000	0.682	0.029	0.001	0.887*
	Left	0.037	0.000	0.678	0.006	0.017	0.000	0.738

Table E-62

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

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.569	0.681	0.017	0.934*
	Top	0.028	0.075	0.004	0.674	0.000	0.000	0.781
	Bottom	0.579	0.001	0.061	0.000	0.681	0.000	0.743*
	Right	0.621	0.175	0.000	0.029	0.011	0.001	0.837
	Left	0.037	0.000	0.214	0.017	0.033	0.000	0.301

Table E-63

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

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.236	0.681	0.091	0.017	0.984*
	Top	0.028	0.239	0.004	0.000	0.000	0.000	0.271
	Bottom	0.579	0.001	0.061	0.681	0.001	0.000	0.744*
	Right	0.621	0.678	0.000	0.011	0.682	0.001	0.694*
	Left	0.037	0.000	0.214	0.033	0.006	0.000	0.290

Table E-64

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.045	0.681	0.015	0.131	0.017	0.713*
	Top	0.133	0.039	0.004	0.000	0.166	0.000	0.342
	Bottom	0.006	0.001	0.189	0.001	0.000	0.000	0.197
	Right	0.590	0.099	0.000	0.146	0.029	0.001	0.865
	Left	0.000	0.000	0.678	0.006	0.017	0.000	0.701

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Table E-65
Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.045	0.236	0.131	0.681	0.017	0.934*
	Top	0.133	0.039	0.004	0.166	0.000	0.000	0.342
	Bottom	0.006	0.001	0.061	0.000	0.681	0.000	0.749
	Right	0.590	0.099	0.000	0.029	0.011	0.001	0.730
	Left	0.000	0.000	0.214	0.017	0.033	0.000	0.264

Table E-66
Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.081	0.236	0.681	0.015	0.017	0.949*
	Top	0.133	0.075	0.004	0.000	0.000	0.000	0.212
	Bottom	0.006	0.001	0.061	0.681	0.001	0.000	0.750
	Right	0.590	0.175	0.000	0.011	0.146	0.001	0.923
	Left	0.000	0.000	0.214	0.033	0.006	0.000	0.253

Table E-67
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.045	0.681	0.015	0.131	0.017	0.713*
	Top	0.621	0.039	0.004	0.000	0.166	0.000	0.830
	Bottom	0.008	0.001	0.189	0.001	0.000	0.000	0.199
	Right	0.033	0.099	0.000	0.146	0.029	0.001	0.308
	Left	0.034	0.000	0.678	0.006	0.017	0.000	0.735

Table E-68
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.045	0.236	0.131	0.681	0.017	0.934*
	Top	0.621	0.039	0.004	0.166	0.000	0.000	0.830
	Bottom	0.008	0.001	0.061	0.000	0.681	0.000	0.751
	Right	0.033	0.099	0.000	0.029	0.011	0.001	0.173
	Left	0.034	0.000	0.214	0.017	0.033	0.000	0.298

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Table E-69
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.081	0.236	0.681	0.015	0.017	0.949*
	Top	0.621	0.075	0.004	0.000	0.000	0.000	0.700
	Bottom	0.008	0.001	0.061	0.681	0.001	0.000	0.752
	Right	0.033	0.175	0.000	0.011	0.146	0.001	0.366
	Left	0.034	0.000	0.214	0.033	0.006	0.000	0.287

Table E-70
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.681	0.091	0.569	0.017	0.789*
	Top	0.578	0.075	0.004	0.000	0.674	0.000	0.753*
	Bottom	0.031	0.001	0.189	0.001	0.000	0.000	0.222
	Right	0.040	0.175	0.000	0.682	0.029	0.001	0.927
	Left	0.611	0.000	0.678	0.006	0.017	0.000	0.701*

Table E-71
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.569	0.681	0.017	0.934*
	Top	0.578	0.075	0.004	0.674	0.000	0.000	0.753*
	Bottom	0.031	0.001	0.061	0.000	0.681	0.000	0.774
	Right	0.040	0.175	0.000	0.029	0.011	0.001	0.256
	Left	0.611	0.000	0.214	0.017	0.033	0.000	0.875

Table E-72
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.236	0.681	0.091	0.017	0.984*
	Top	0.578	0.239	0.004	0.000	0.000	0.000	0.821
	Bottom	0.031	0.001	0.061	0.681	0.001	0.000	0.775
	Right	0.040	0.678	0.000	0.011	0.682	0.001	0.734*
	Left	0.611	0.000	0.214	0.033	0.006	0.000	0.864

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Table E-73
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.081	0.236	0.036	0.441	0.017	0.900*
	Top	0.004	0.075	0.004	0.000	0.663	0.000	0.746
	Bottom	0.137	0.001	0.061	0.001	0.000	0.000	0.200
	Right	0.000	0.175	0.000	0.563	0.043	0.001	0.782
	Left	0.575	0.000	0.214	0.006	0.011	0.000	0.806

Table E-74
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.081	0.136	0.441	0.121	0.017	0.885*
	Top	0.004	0.075	0.004	0.663	0.000	0.000	0.746
	Bottom	0.137	0.001	0.034	0.000	0.132	0.000	0.304
	Right	0.000	0.175	0.000	0.043	0.000	0.001	0.219
	Left	0.575	0.000	0.122	0.011	0.024	0.000	0.732

Table E-75
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.346	0.136	0.121	0.036	0.017	0.921*
	Top	0.004	0.239	0.004	0.000	0.000	0.000	0.247
	Bottom	0.137	0.001	0.034	0.132	0.001	0.000	0.305
	Right	0.000	0.678	0.000	0.000	0.563	0.001	0.679*
	Left	0.575	0.000	0.122	0.024	0.006	0.000	0.727

Table E-76
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth
TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.036	0.441	0.017	0.910*
	Top	0.011	0.075	0.004	0.000	0.663	0.000	0.753
	Bottom	0.621	0.001	0.061	0.001	0.000	0.000	0.684
	Right	0.020	0.175	0.000	0.563	0.043	0.001	0.802
	Left	0.029	0.000	0.214	0.006	0.011	0.000	0.260

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Table E-77
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.136	0.441	0.121	0.017	0.895*
	Top	0.011	0.075	0.004	0.663	0.000	0.000	0.753
	Bottom	0.621	0.001	0.034	0.000	0.132	0.000	0.788
	Right	0.020	0.175	0.000	0.043	0.000	0.001	0.239
	Left	0.029	0.000	0.122	0.011	0.024	0.000	0.186

Table E-78
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.136	0.121	0.036	0.017	0.931*
	Top	0.011	0.239	0.004	0.000	0.000	0.000	0.254
	Bottom	0.621	0.001	0.034	0.132	0.001	0.000	0.789
	Right	0.020	0.678	0.000	0.000	0.563	0.001	0.699*
	Left	0.029	0.000	0.122	0.024	0.006	0.000	0.181

Table E-79
Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.681	0.036	0.441	0.017	0.734*
	Top	0.028	0.075	0.004	0.000	0.663	0.000	0.770
	Bottom	0.579	0.001	0.189	0.001	0.000	0.000	0.770
	Right	0.621	0.175	0.000	0.563	0.043	0.001	0.840*
	Left	0.037	0.000	0.678	0.006	0.011	0.000	0.732

Table E-80
Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.441	0.474	0.017	0.727*
	Top	0.028	0.075	0.004	0.663	0.000	0.000	0.770
	Bottom	0.579	0.001	0.061	0.000	0.676	0.000	0.738*
	Right	0.621	0.175	0.000	0.043	0.000	0.001	0.840
	Left	0.037	0.000	0.214	0.011	0.024	0.000	0.286

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Table E-81

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

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.236	0.474	0.036	0.017	0.984*
	Top	0.028	0.239	0.004	0.000	0.000	0.000	0.271
	Bottom	0.579	0.001	0.061	0.676	0.001	0.000	0.739*
	Right	0.621	0.678	0.000	0.000	0.563	0.001	0.679*
	Left	0.037	0.000	0.214	0.024	0.006	0.000	0.281

Table E-82

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.045	0.681	0.036	0.134	0.017	0.734*
	Top	0.133	0.039	0.004	0.000	0.184	0.000	0.360
	Bottom	0.006	0.001	0.189	0.001	0.000	0.000	0.197
	Right	0.590	0.099	0.000	0.160	0.043	0.001	0.893
	Left	0.000	0.000	0.678	0.006	0.011	0.000	0.695

Table E-83

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.045	0.236	0.134	0.474	0.017	0.727*
	Top	0.133	0.039	0.004	0.184	0.000	0.000	0.360
	Bottom	0.006	0.001	0.061	0.000	0.676	0.000	0.744
	Right	0.590	0.099	0.000	0.043	0.000	0.001	0.733
	Left	0.000	0.000	0.214	0.011	0.024	0.000	0.249

Table E-84

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

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.081	0.236	0.474	0.036	0.017	0.763*
	Top	0.133	0.075	0.004	0.000	0.000	0.000	0.212
	Bottom	0.006	0.001	0.061	0.676	0.001	0.000	0.745
	Right	0.590	0.175	0.000	0.000	0.160	0.001	0.926
	Left	0.000	0.000	0.214	0.024	0.006	0.000	0.244

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Table E-85
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.045	0.681	0.036	0.134	0.017	0.734*
	Top	0.621	0.039	0.004	0.000	0.184	0.000	0.848
	Bottom	0.008	0.001	0.189	0.001	0.000	0.000	0.199
	Right	0.033	0.099	0.000	0.160	0.043	0.001	0.336
	Left	0.034	0.000	0.678	0.006	0.011	0.000	0.729

Table E-86
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 7 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.045	0.236	0.134	0.474	0.017	0.727*
	Top	0.621	0.039	0.004	0.184	0.000	0.000	0.848
	Bottom	0.008	0.001	0.061	0.000	0.676	0.000	0.746
	Right	0.033	0.099	0.000	0.043	0.000	0.001	0.176
	Left	0.034	0.000	0.214	0.011	0.024	0.000	0.283

Table E-87
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.081	0.236	0.474	0.036	0.017	0.763*
	Top	0.621	0.075	0.004	0.000	0.000	0.000	0.700
	Bottom	0.008	0.001	0.061	0.676	0.001	0.000	0.747
	Right	0.033	0.175	0.000	0.000	0.160	0.001	0.369
	Left	0.034	0.000	0.214	0.024	0.006	0.000	0.278

Table E-88
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.681	0.036	0.441	0.017	0.734*
	Top	0.578	0.075	0.004	0.000	0.663	0.000	0.742*
	Bottom	0.031	0.001	0.189	0.001	0.000	0.000	0.222
	Right	0.040	0.175	0.000	0.563	0.043	0.001	0.822
	Left	0.611	0.000	0.678	0.006	0.011	0.000	0.695*

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Table E-89

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

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.081	0.236	0.441	0.474	0.017	0.727*
	Top	0.578	0.075	0.004	0.663	0.000	0.000	0.742*
	Bottom	0.031	0.001	0.061	0.000	0.676	0.000	0.769
	Right	0.040	0.175	0.000	0.043	0.000	0.001	0.259
	Left	0.611	0.000	0.214	0.011	0.024	0.000	0.860

Table E-90

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

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.346	0.236	0.474	0.036	0.017	0.984*
	Top	0.578	0.239	0.004	0.000	0.000	0.000	0.821
	Bottom	0.031	0.001	0.061	0.676	0.001	0.000	0.770
	Right	0.040	0.678	0.000	0.000	0.563	0.001	0.719*
	Left	0.611	0.000	0.214	0.024	0.006	0.000	0.855

Table E-91

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.346	0.236	0.091	0.017	0.955*
	Top	0.004	0.239	0.004	0.000	0.000	0.247
	Bottom	0.137	0.001	0.061	0.001	0.000	0.200
	Right	0.000	0.678	0.000	0.682	0.001	0.683*
	Left	0.575	0.000	0.214	0.006	0.000	0.795

Table E-92

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.236	0.091	0.017	0.965*
	Top	0.011	0.239	0.004	0.000	0.000	0.254
	Bottom	0.621	0.001	0.061	0.001	0.000	0.684
	Right	0.020	0.678	0.000	0.682	0.001	0.703*
	Left	0.029	0.000	0.214	0.006	0.000	0.249

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Table E-93

Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.681	0.091	0.017	0.984*
	Top	0.028	0.239	0.004	0.000	0.000	0.271
	Bottom	0.579	0.001	0.189	0.001	0.000	0.770
	Right	0.621	0.678	0.000	0.682	0.001	0.683*
	Left	0.037	0.000	0.678	0.006	0.000	0.721

Table E-94

Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.081	0.681	0.015	0.017	0.990*
	Top	0.133	0.075	0.004	0.000	0.000	0.212
	Bottom	0.006	0.001	0.189	0.001	0.000	0.197
	Right	0.590	0.175	0.000	0.146	0.001	0.912
	Left	0.000	0.000	0.678	0.006	0.000	0.684

Table E-95

Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.081	0.681	0.015	0.017	0.713*
	Top	0.621	0.075	0.004	0.000	0.000	0.700
	Bottom	0.008	0.001	0.189	0.001	0.000	0.199
	Right	0.033	0.175	0.000	0.146	0.001	0.355
	Left	0.034	0.000	0.678	0.006	0.000	0.718

Table E-96

Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 5 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.681	0.091	0.017	0.984*
	Top	0.578	0.239	0.004	0.000	0.000	0.821
	Bottom	0.031	0.001	0.189	0.001	0.000	0.222
	Right	0.040	0.678	0.000	0.682	0.001	0.723*
	Left	0.611	0.000	0.678	0.006	0.000	0.684*

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Table E-97
Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.346	0.236	0.036	0.017	0.900*
	Top	0.004	0.239	0.004	0.000	0.000	0.247
	Bottom	0.137	0.001	0.061	0.001	0.000	0.200
	Right	0.000	0.678	0.000	0.563	0.001	0.679*
	Left	0.575	0.000	0.214	0.006	0.000	0.795

Table E-98
Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.236	0.036	0.017	0.910*
	Top	0.011	0.239	0.004	0.000	0.000	0.254
	Bottom	0.621	0.001	0.061	0.001	0.000	0.684
	Right	0.020	0.678	0.000	0.563	0.001	0.699*
	Left	0.029	0.000	0.214	0.006	0.000	0.249

Table E-99
Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.681	0.036	0.017	0.984*
	Top	0.028	0.239	0.004	0.000	0.000	0.271
	Bottom	0.579	0.001	0.189	0.001	0.000	0.770
	Right	0.621	0.678	0.000	0.563	0.001	0.679*
	Left	0.037	0.000	0.678	0.006	0.000	0.721

Table E-100
Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.081	0.681	0.036	0.017	0.990*
	Top	0.133	0.075	0.004	0.000	0.000	0.212
	Bottom	0.006	0.001	0.189	0.001	0.000	0.197
	Right	0.590	0.175	0.000	0.160	0.001	0.926
	Left	0.000	0.000	0.678	0.006	0.000	0.684

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Table E-101
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz Bluetooth Ant 3a with 4.5 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.081	0.681	0.036	0.017	0.734*
	Top	0.621	0.075	0.004	0.000	0.000	0.700
	Bottom	0.008	0.001	0.189	0.001	0.000	0.199
	Right	0.033	0.175	0.000	0.160	0.001	0.369
	Left	0.034	0.000	0.678	0.006	0.000	0.718

Table E-102
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz Bluetooth TxBF, 6 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz Bluetooth Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.346	0.681	0.036	0.017	0.984*
	Top	0.578	0.239	0.004	0.000	0.000	0.821
	Bottom	0.031	0.001	0.189	0.001	0.000	0.222
	Right	0.040	0.678	0.000	0.563	0.001	0.719*
	Left	0.611	0.000	0.678	0.006	0.000	0.684*

Table E-103
Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.611	0.036	0.177	0.224	0.158	0.017	0.822*
	Top	0.004	0.000	0.225	0.185	0.004	0.000	0.418
	Bottom	0.137	0.000	0.001	0.011	0.054	0.000	0.203
	Right	0.000	0.274	0.028	0.648	0.000	0.001	0.951
	Left	0.575	0.001	0.009	0.000	0.131	0.000	0.716

Table E-104
Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.036	0.177	0.224	0.158	0.017	0.832*
	Top	0.011	0.000	0.225	0.185	0.004	0.000	0.425
	Bottom	0.621	0.000	0.001	0.011	0.054	0.000	0.687
	Right	0.020	0.274	0.028	0.648	0.000	0.001	0.971
	Left	0.029	0.001	0.009	0.000	0.131	0.000	0.170

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Table E-105

**Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz
WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.036	0.177	0.224	0.664	0.017	0.717*
	Top	0.028	0.000	0.225	0.185	0.004	0.000	0.442
	Bottom	0.579	0.000	0.001	0.011	0.211	0.000	0.802
	Right	0.621	0.274	0.028	0.648	0.000	0.001	0.951*
	Left	0.037	0.001	0.009	0.000	0.402	0.000	0.449

Table E-106

**Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz
WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a ER	NB U-NII Ant 5T with 7 dB backoff ER	NB U-NII Ant 3b with 7 dB backoff ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.228	0.036	0.088	0.058	0.664	0.017	0.717*
	Top	0.133	0.000	0.136	0.048	0.004	0.000	0.321
	Bottom	0.006	0.000	0.001	0.011	0.211	0.000	0.229
	Right	0.590	0.149	0.028	0.164	0.000	0.001	0.932
	Left	0.000	0.001	0.009	0.000	0.402	0.000	0.412

Table E-107

**Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz
WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 3b ER	NB U-NII Ant 5T with 7 dB backoff ER	NB U-NII Ant 3b with 7 dB backoff ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.453	0.036	0.088	0.058	0.664	0.017	0.717*
	Top	0.621	0.000	0.136	0.048	0.004	0.000	0.809
	Bottom	0.008	0.000	0.001	0.011	0.211	0.000	0.231
	Right	0.033	0.149	0.028	0.164	0.000	0.001	0.375
	Left	0.034	0.001	0.009	0.000	0.402	0.000	0.446

Table E-108

**Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz
WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	6	1+2+3+4+5+6
Body SAR	Back	0.621	0.036	0.177	0.224	0.664	0.017	0.717*
	Top	0.578	0.000	0.225	0.185	0.004	0.000	0.992
	Bottom	0.031	0.000	0.001	0.011	0.211	0.000	0.254
	Right	0.040	0.274	0.028	0.648	0.000	0.001	0.991
	Left	0.611	0.001	0.009	0.000	0.402	0.000	0.621*

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Table E-109

Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.036	0.471	0.158	0.017	0.822*
	Top	0.004	0.000	0.683	0.004	0.000	0.691
	Bottom	0.137	0.000	0.001	0.054	0.000	0.192
	Right	0.000	0.274	0.028	0.000	0.001	0.303
	Left	0.575	0.001	0.009	0.131	0.000	0.716

Table E-110

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.036	0.471	0.158	0.017	0.832*
	Top	0.011	0.000	0.683	0.004	0.000	0.698
	Bottom	0.621	0.000	0.001	0.054	0.000	0.676
	Right	0.020	0.274	0.028	0.000	0.001	0.323
	Left	0.029	0.001	0.009	0.131	0.000	0.170

Table E-111

Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.036	0.471	0.664	0.017	0.717*
	Top	0.028	0.000	0.683	0.004	0.000	0.715
	Bottom	0.579	0.000	0.001	0.211	0.000	0.791
	Right	0.621	0.274	0.028	0.000	0.001	0.924
	Left	0.037	0.001	0.009	0.402	0.000	0.449

Table E-112

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	NB U-NII Ant 5T with 7 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.036	0.177	0.664	0.017	0.717*
	Top	0.133	0.000	0.225	0.004	0.000	0.362
	Bottom	0.006	0.000	0.001	0.211	0.000	0.218
	Right	0.590	0.149	0.028	0.000	0.001	0.768
	Left	0.000	0.001	0.009	0.402	0.000	0.412

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Table E-113

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	NB U-NII Ant 5T with 7 dB backoff ER	NB U-NII Ant 3b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.036	0.177	0.664	0.017	0.717*
	Top	0.621	0.000	0.225	0.004	0.000	0.850
	Bottom	0.008	0.000	0.001	0.211	0.000	0.220
	Right	0.033	0.149	0.028	0.000	0.001	0.211
	Left	0.034	0.001	0.009	0.402	0.000	0.446

Table E-114

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII TxBF, 2.4 GHz WIFI and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	NB U-NII Ant 5T with 4.5 dB backoff ER	NB U-NII Ant 3b ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.036	0.471	0.664	0.017	0.717*
	Top	0.578	0.000	0.683	0.004	0.000	0.687*
	Bottom	0.031	0.000	0.001	0.211	0.000	0.243
	Right	0.040	0.274	0.028	0.000	0.001	0.343
	Left	0.611	0.001	0.009	0.402	0.000	0.621*

Table E-115

Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	NB U-NII Ant 1b with 7 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.136	0.224	0.158	0.017	0.922*
	Top	0.004	0.000	0.185	0.004	0.000	0.193
	Bottom	0.137	0.110	0.011	0.054	0.000	0.312
	Right	0.000	0.009	0.648	0.000	0.001	0.658
	Left	0.575	0.026	0.000	0.131	0.000	0.732

Table E-116

Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	NB U-NII Ant 1b with 7 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.136	0.224	0.158	0.017	0.932*
	Top	0.011	0.000	0.185	0.004	0.000	0.200
	Bottom	0.621	0.110	0.011	0.054	0.000	0.796
	Right	0.020	0.009	0.648	0.000	0.001	0.678
	Left	0.029	0.026	0.000	0.131	0.000	0.186

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Table E-117

Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	NB U-NII Ant 1b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.252	0.224	0.664	0.017	0.933*
	Top	0.028	0.000	0.185	0.004	0.000	0.217
	Bottom	0.579	0.229	0.011	0.211	0.000	0.590*
	Right	0.621	0.009	0.648	0.000	0.001	0.658*
	Left	0.037	0.026	0.000	0.402	0.000	0.465

Table E-118

Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	NB U-NII Ant 1b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.252	0.058	0.664	0.017	0.933*
	Top	0.133	0.000	0.048	0.004	0.000	0.185
	Bottom	0.006	0.229	0.011	0.211	0.000	0.457
	Right	0.590	0.009	0.164	0.000	0.001	0.764
	Left	0.000	0.026	0.000	0.402	0.000	0.428

Table E-119

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	NB U-NII Ant 1b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.252	0.058	0.664	0.017	0.933*
	Top	0.621	0.000	0.048	0.004	0.000	0.673
	Bottom	0.008	0.229	0.011	0.211	0.000	0.459
	Right	0.033	0.009	0.164	0.000	0.001	0.207
	Left	0.034	0.026	0.000	0.402	0.000	0.462

Table E-120

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII, 2.4 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	NB U-NII Ant 1b with 4.5 dB backoff ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz WIFI Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.252	0.224	0.664	0.017	0.933*
	Top	0.578	0.000	0.185	0.004	0.000	0.767
	Bottom	0.031	0.229	0.011	0.211	0.000	0.482
	Right	0.040	0.009	0.648	0.000	0.001	0.698
	Left	0.611	0.026	0.000	0.402	0.000	0.611*

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Table E-121**Cellular Band Ant 1a Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a ER	NB U-NII Ant 1b with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.611	0.252	0.017	0.880
	Top	0.004	0.000	0.000	0.004
	Bottom	0.137	0.229	0.000	0.366
	Right	0.000	0.009	0.001	0.010
	Left	0.575	0.026	0.000	0.601

Table E-122**Cellular Band Ant 1b Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b ER	NB U-NII Ant 1b with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.621	0.252	0.017	0.890
	Top	0.011	0.000	0.000	0.011
	Bottom	0.621	0.229	0.000	0.850
	Right	0.020	0.009	0.001	0.030
	Left	0.029	0.026	0.000	0.055

Table E-123**Cellular Band Ant 2 Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 ER	NB U-NII Ant 1b ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.621	0.681	0.017	0.698*
	Top	0.028	0.000	0.000	0.028
	Bottom	0.579	0.634	0.000	0.634*
	Right	0.621	0.009	0.001	0.631
	Left	0.037	0.026	0.000	0.063

Table E-124**Cellular Band Ant 3a Simultaneous Transmission Scenario with NB U-NII and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a ER	NB U-NII Ant 1b ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.228	0.681	0.017	0.926
	Top	0.133	0.000	0.000	0.133
	Bottom	0.006	0.634	0.000	0.640
	Right	0.590	0.009	0.001	0.600
	Left	0.000	0.026	0.000	0.026

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Table E-125

Cellular Band Ant 3b Simultaneous Transmission Scenario with NB U-NII and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	NB U-NII Ant 1b ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.453	0.681	0.017	0.698*
	Top	0.621	0.000	0.000	0.621
	Bottom	0.008	0.634	0.000	0.642
	Right	0.033	0.009	0.001	0.043
	Left	0.034	0.026	0.000	0.060

Table E-126

Cellular Band Ant 4 Simultaneous Transmission Scenario with NB U-NII and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	NB U-NII Ant 1b ER	wPT ER	Σ ER
		1	2	3	1+2+3
Body SAR	Back	0.621	0.681	0.017	0.698*
	Top	0.578	0.000	0.000	0.578
	Bottom	0.031	0.634	0.000	0.665
	Right	0.040	0.009	0.001	0.050
	Left	0.611	0.026	0.000	0.637

Table E-127

Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.224	0.236	0.017	0.864*
	Top	0.004	0.185	0.004	0.000	0.193
	Bottom	0.137	0.011	0.061	0.000	0.209
	Right	0.000	0.648	0.000	0.001	0.649
	Left	0.575	0.000	0.214	0.000	0.789

Table E-128

Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.236	0.017	0.874*
	Top	0.011	0.185	0.004	0.000	0.200
	Bottom	0.621	0.011	0.061	0.000	0.693
	Right	0.020	0.648	0.000	0.001	0.669
	Left	0.029	0.000	0.214	0.000	0.243

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Table E-129
Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.681	0.017	0.922*
	Top	0.028	0.185	0.004	0.000	0.217
	Bottom	0.579	0.011	0.189	0.000	0.779
	Right	0.621	0.648	0.000	0.001	0.649*
	Left	0.037	0.000	0.678	0.000	0.715

Table E-130
Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.058	0.681	0.017	0.984
	Top	0.133	0.048	0.004	0.000	0.185
	Bottom	0.006	0.011	0.189	0.000	0.206
	Right	0.590	0.164	0.000	0.001	0.755
	Left	0.000	0.000	0.678	0.000	0.678

Table E-131
Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.058	0.681	0.017	0.698*
	Top	0.621	0.048	0.004	0.000	0.673
	Bottom	0.008	0.011	0.189	0.000	0.208
	Right	0.033	0.164	0.000	0.001	0.198
	Left	0.034	0.000	0.678	0.000	0.712

Table E-132
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 2.4 GHz Bluetooth and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	2.4 GHz Bluetooth Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.681	0.017	0.922*
	Top	0.578	0.185	0.004	0.000	0.767
	Bottom	0.031	0.011	0.189	0.000	0.231
	Right	0.040	0.648	0.000	0.001	0.689
	Left	0.611	0.000	0.678	0.000	0.678*

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Table E-133**Cellular Band Ant 1a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.611	0.224	0.204	0.017	0.832*
	Top	0.004	0.185	0.003	0.000	0.192
	Bottom	0.137	0.011	0.053	0.000	0.201
	Right	0.000	0.648	0.000	0.001	0.649
	Left	0.575	0.000	0.190	0.000	0.765

Table E-134**Cellular Band Ant 1b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 1b ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.204	0.017	0.842*
	Top	0.011	0.185	0.003	0.000	0.199
	Bottom	0.621	0.011	0.053	0.000	0.685
	Right	0.020	0.648	0.000	0.001	0.669
	Left	0.029	0.000	0.190	0.000	0.219

Table E-135**Cellular Band Ant 2 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 2 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.641	0.017	0.882*
	Top	0.028	0.185	0.003	0.000	0.216
	Bottom	0.579	0.011	0.174	0.000	0.764
	Right	0.621	0.648	0.000	0.001	0.649*
	Left	0.037	0.000	0.569	0.000	0.606

Table E-136**Cellular Band Ant 3a Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 3a ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	802.15.4 Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.228	0.058	0.641	0.017	0.944
	Top	0.133	0.048	0.003	0.000	0.184
	Bottom	0.006	0.011	0.174	0.000	0.191
	Right	0.590	0.164	0.000	0.001	0.755
	Left	0.000	0.000	0.569	0.000	0.569

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Table E-137**Cellular Band Ant 3b Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 3b ER	2.4 GHz WIFI Ant 3a with 6 dB backoff ER	802.15.4 Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.453	0.058	0.641	0.017	0.658*
	Top	0.621	0.048	0.003	0.000	0.672
	Bottom	0.008	0.011	0.174	0.000	0.193
	Right	0.033	0.164	0.000	0.001	0.198
	Left	0.034	0.000	0.569	0.000	0.603

Table E-138**Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WIFI, 802.15.4 and wPT**

Simult Tx	Configuration	Cellular Band Ant 4 ER	2.4 GHz WIFI Ant 3a ER	802.15.4 Ant 1a ER	wPT ER	Σ ER
		1	2	3	4	1+2+3+4
Body SAR	Back	0.621	0.224	0.641	0.017	0.882*
	Top	0.578	0.185	0.003	0.000	0.766
	Bottom	0.031	0.011	0.174	0.000	0.216
	Right	0.040	0.648	0.000	0.001	0.689
	Left	0.611	0.000	0.569	0.000	0.611*

Table E-139**Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.059	0.091	0.569	0.017	0.736*
	Top	0.004	0.064	0.000	0.674	0.000	0.742
	Bottom	0.137	0.013	0.001	0.000	0.000	0.151
	Right	0.000	0.213	0.682	0.029	0.001	0.925
	Left	0.575	0.001	0.006	0.017	0.000	0.599

Table E-140**Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT**

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.204	0.091	0.569	0.017	0.923*
	Top	0.004	0.003	0.000	0.674	0.000	0.681
	Bottom	0.137	0.053	0.001	0.000	0.000	0.191
	Right	0.000	0.000	0.682	0.029	0.001	0.712
	Left	0.575	0.190	0.006	0.017	0.000	0.788

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Table E-141

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.059	0.569	0.181	0.017	0.809*
	Top	0.004	0.064	0.674	0.000	0.000	0.742
	Bottom	0.137	0.013	0.000	0.198	0.000	0.348
	Right	0.000	0.213	0.029	0.011	0.001	0.254
	Left	0.575	0.001	0.017	0.033	0.000	0.626

Table E-142

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.107	0.569	0.181	0.017	0.916*
	Top	0.004	0.003	0.674	0.000	0.000	0.681
	Bottom	0.137	0.030	0.000	0.198	0.000	0.365
	Right	0.000	0.000	0.029	0.011	0.001	0.041
	Left	0.575	0.103	0.017	0.033	0.000	0.728

Table E-143

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.193	0.181	0.091	0.017	0.985*
	Top	0.004	0.228	0.000	0.000	0.000	0.232
	Bottom	0.137	0.013	0.198	0.001	0.000	0.349
	Right	0.000	0.638	0.011	0.682	0.001	0.694*
	Left	0.575	0.001	0.033	0.006	0.000	0.615

Table E-144

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.107	0.181	0.091	0.017	0.990*
	Top	0.004	0.003	0.000	0.000	0.000	0.007
	Bottom	0.137	0.030	0.198	0.001	0.000	0.366
	Right	0.000	0.000	0.011	0.682	0.001	0.694
	Left	0.575	0.103	0.033	0.006	0.000	0.717

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Table E-145

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.091	0.569	0.017	0.736*
	Top	0.011	0.064	0.000	0.674	0.000	0.749
	Bottom	0.621	0.013	0.001	0.000	0.000	0.635
	Right	0.020	0.213	0.682	0.029	0.001	0.945
	Left	0.029	0.001	0.006	0.017	0.000	0.053

Table E-146

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.091	0.569	0.017	0.933*
	Top	0.011	0.003	0.000	0.674	0.000	0.688
	Bottom	0.621	0.053	0.001	0.000	0.000	0.675
	Right	0.020	0.000	0.682	0.029	0.001	0.732
	Left	0.029	0.190	0.006	0.017	0.000	0.242

Table E-147

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.569	0.181	0.017	0.819*
	Top	0.011	0.064	0.674	0.000	0.000	0.749
	Bottom	0.621	0.013	0.000	0.198	0.000	0.832
	Right	0.020	0.213	0.029	0.011	0.001	0.274
	Left	0.029	0.001	0.017	0.033	0.000	0.080

Table E-148

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.107	0.569	0.181	0.017	0.926*
	Top	0.011	0.003	0.674	0.000	0.000	0.688
	Bottom	0.621	0.030	0.000	0.198	0.000	0.849
	Right	0.020	0.000	0.029	0.011	0.001	0.061
	Left	0.029	0.103	0.017	0.033	0.000	0.182

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Table E-149

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.181	0.091	0.017	0.995*
	Top	0.011	0.228	0.000	0.000	0.000	0.239
	Bottom	0.621	0.013	0.198	0.001	0.000	0.833
	Right	0.020	0.638	0.011	0.682	0.001	0.714*
	Left	0.029	0.001	0.033	0.006	0.000	0.069

Table E-150

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 7 dB backoff ER	5 GHz WIFI Ant 1b with 6 dB backoff ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.107	0.181	0.091	0.017	0.926*
	Top	0.011	0.003	0.000	0.000	0.000	0.014
	Bottom	0.621	0.030	0.198	0.001	0.000	0.850
	Right	0.020	0.000	0.011	0.682	0.001	0.714
	Left	0.029	0.103	0.033	0.006	0.000	0.171

Table E-151

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.091	0.569	0.017	0.736*
	Top	0.028	0.064	0.000	0.674	0.000	0.766
	Bottom	0.579	0.013	0.001	0.000	0.000	0.593
	Right	0.621	0.213	0.682	0.029	0.001	0.925*
	Left	0.037	0.001	0.006	0.017	0.000	0.061

Table E-152

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.641	0.091	0.569	0.017	0.749*
	Top	0.028	0.003	0.000	0.674	0.000	0.705
	Bottom	0.579	0.174	0.001	0.000	0.000	0.754
	Right	0.621	0.000	0.682	0.029	0.001	0.712*
	Left	0.037	0.569	0.006	0.017	0.000	0.629

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Table E-153
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.569	0.681	0.017	0.698*
	Top	0.028	0.064	0.674	0.000	0.000	0.766
	Bottom	0.579	0.013	0.000	0.681	0.000	0.694*
	Right	0.621	0.213	0.029	0.011	0.001	0.875
	Left	0.037	0.001	0.017	0.033	0.000	0.088

Table E-154
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.569	0.681	0.017	0.902*
	Top	0.028	0.003	0.674	0.000	0.000	0.705
	Bottom	0.579	0.053	0.000	0.681	0.000	0.734*
	Right	0.621	0.000	0.029	0.011	0.001	0.662
	Left	0.037	0.190	0.017	0.033	0.000	0.277

Table E-155
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.681	0.091	0.017	0.982*
	Top	0.028	0.228	0.000	0.000	0.000	0.256
	Bottom	0.579	0.013	0.681	0.001	0.000	0.695*
	Right	0.621	0.638	0.011	0.682	0.001	0.694*
	Left	0.037	0.001	0.033	0.006	0.000	0.077

Table E-156
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.681	0.091	0.017	0.993*
	Top	0.028	0.003	0.000	0.000	0.000	0.031
	Bottom	0.579	0.053	0.681	0.001	0.000	0.735*
	Right	0.621	0.000	0.011	0.682	0.001	0.694*
	Left	0.037	0.190	0.033	0.006	0.000	0.266

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Table E-157

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 7 dB backoff ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.029	0.015	0.131	0.017	0.420
	Top	0.133	0.039	0.000	0.166	0.000	0.338
	Bottom	0.006	0.013	0.001	0.000	0.000	0.020
	Right	0.590	0.108	0.146	0.029	0.001	0.874
	Left	0.000	0.001	0.006	0.017	0.000	0.024

Table E-158

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.641	0.015	0.131	0.017	0.673*
	Top	0.133	0.003	0.000	0.166	0.000	0.302
	Bottom	0.006	0.174	0.001	0.000	0.000	0.181
	Right	0.590	0.000	0.146	0.029	0.001	0.766
	Left	0.000	0.569	0.006	0.017	0.000	0.592

Table E-159

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 7 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.029	0.131	0.681	0.017	0.698*
	Top	0.133	0.039	0.166	0.000	0.000	0.338
	Bottom	0.006	0.013	0.000	0.681	0.000	0.700
	Right	0.590	0.108	0.029	0.011	0.001	0.739
	Left	0.000	0.001	0.017	0.033	0.000	0.051

Table E-160

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.204	0.131	0.681	0.017	0.902*
	Top	0.133	0.003	0.166	0.000	0.000	0.302
	Bottom	0.006	0.053	0.000	0.681	0.000	0.740
	Right	0.590	0.000	0.029	0.011	0.001	0.631
	Left	0.000	0.190	0.017	0.033	0.000	0.240

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Table E-161

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.059	0.681	0.015	0.017	0.713*
	Top	0.133	0.064	0.000	0.000	0.000	0.197
	Bottom	0.006	0.013	0.681	0.001	0.000	0.701
	Right	0.590	0.213	0.011	0.146	0.001	0.961
	Left	0.000	0.001	0.033	0.006	0.000	0.040

Table E-162

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.204	0.681	0.015	0.017	0.917*
	Top	0.133	0.003	0.000	0.000	0.000	0.136
	Bottom	0.006	0.053	0.681	0.001	0.000	0.741
	Right	0.590	0.000	0.011	0.146	0.001	0.748
	Left	0.000	0.190	0.033	0.006	0.000	0.229

Table E-163

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 7 dB backoff ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.029	0.015	0.131	0.017	0.645
	Top	0.621	0.039	0.000	0.166	0.000	0.826
	Bottom	0.008	0.013	0.001	0.000	0.000	0.022
	Right	0.033	0.108	0.146	0.029	0.001	0.317
	Left	0.034	0.001	0.006	0.017	0.000	0.058

Table E-164

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.641	0.015	0.131	0.017	0.673*
	Top	0.621	0.003	0.000	0.166	0.000	0.790
	Bottom	0.008	0.174	0.001	0.000	0.000	0.183
	Right	0.033	0.000	0.146	0.029	0.001	0.209
	Left	0.034	0.569	0.006	0.017	0.000	0.626

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Table E-165

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 7 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.029	0.131	0.681	0.017	0.698*
	Top	0.621	0.039	0.166	0.000	0.000	0.826
	Bottom	0.008	0.013	0.000	0.681	0.000	0.702
	Right	0.033	0.108	0.029	0.011	0.001	0.182
	Left	0.034	0.001	0.017	0.033	0.000	0.085

Table E-166

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b with 6 dB backoff ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.204	0.131	0.681	0.017	0.902*
	Top	0.621	0.003	0.166	0.000	0.000	0.790
	Bottom	0.008	0.053	0.000	0.681	0.000	0.742
	Right	0.033	0.000	0.029	0.011	0.001	0.074
	Left	0.034	0.190	0.017	0.033	0.000	0.274

Table E-167

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.059	0.681	0.015	0.017	0.713*
	Top	0.621	0.064	0.000	0.000	0.000	0.685
	Bottom	0.008	0.013	0.681	0.001	0.000	0.703
	Right	0.033	0.213	0.011	0.146	0.001	0.404
	Left	0.034	0.001	0.033	0.006	0.000	0.074

Table E-168

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.204	0.681	0.015	0.017	0.917*
	Top	0.621	0.003	0.000	0.000	0.000	0.624
	Bottom	0.008	0.053	0.681	0.001	0.000	0.743
	Right	0.033	0.000	0.011	0.146	0.001	0.191
	Left	0.034	0.190	0.033	0.006	0.000	0.263

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Table E-169
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.091	0.569	0.017	0.736*
	Top	0.578	0.064	0.000	0.674	0.000	0.738*
	Bottom	0.031	0.013	0.001	0.000	0.000	0.045
	Right	0.040	0.213	0.682	0.029	0.001	0.965
	Left	0.611	0.001	0.006	0.017	0.000	0.635

Table E-170
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a ER	5 GHz WIFI Ant 5T ER	5 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.641	0.091	0.569	0.017	0.749*
	Top	0.578	0.003	0.000	0.674	0.000	0.677*
	Bottom	0.031	0.174	0.001	0.000	0.000	0.206
	Right	0.040	0.000	0.682	0.029	0.001	0.752
	Left	0.611	0.569	0.006	0.017	0.000	0.634*

Table E-171
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.569	0.681	0.017	0.698*
	Top	0.578	0.064	0.674	0.000	0.000	0.738*
	Bottom	0.031	0.013	0.000	0.681	0.000	0.725
	Right	0.040	0.213	0.029	0.011	0.001	0.294
	Left	0.611	0.001	0.017	0.033	0.000	0.662

Table E-172
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 3b ER	5 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.569	0.681	0.017	0.902*
	Top	0.578	0.003	0.674	0.000	0.000	0.677*
	Bottom	0.031	0.053	0.000	0.681	0.000	0.765
	Right	0.040	0.000	0.029	0.011	0.001	0.081
	Left	0.611	0.190	0.017	0.033	0.000	0.851

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Table E-173
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.681	0.091	0.017	0.982*
	Top	0.578	0.228	0.000	0.000	0.000	0.806
	Bottom	0.031	0.013	0.681	0.001	0.000	0.726
	Right	0.040	0.638	0.011	0.682	0.001	0.734*
	Left	0.611	0.001	0.033	0.006	0.000	0.651

Table E-174
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 5 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	5 GHz WIFI Ant 1b ER	5 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.681	0.091	0.017	0.993*
	Top	0.578	0.003	0.000	0.000	0.000	0.581
	Bottom	0.031	0.053	0.681	0.001	0.000	0.766
	Right	0.040	0.000	0.011	0.682	0.001	0.734
	Left	0.611	0.190	0.033	0.006	0.000	0.840

Table E-175
Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.059	0.036	0.441	0.017	0.664*
	Top	0.004	0.064	0.000	0.663	0.000	0.731
	Bottom	0.137	0.013	0.001	0.000	0.000	0.151
	Right	0.000	0.213	0.563	0.043	0.001	0.820
	Left	0.575	0.001	0.006	0.011	0.000	0.593

Table E-176
Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.204	0.036	0.441	0.017	0.868*
	Top	0.004	0.003	0.000	0.663	0.000	0.670
	Bottom	0.137	0.053	0.001	0.000	0.000	0.191
	Right	0.000	0.000	0.563	0.043	0.001	0.607
	Left	0.575	0.190	0.006	0.011	0.000	0.782

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Table E-177

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.059	0.441	0.121	0.017	0.749*
	Top	0.004	0.064	0.663	0.000	0.000	0.731
	Bottom	0.137	0.013	0.000	0.132	0.000	0.282
	Right	0.000	0.213	0.043	0.000	0.001	0.257
	Left	0.575	0.001	0.011	0.024	0.000	0.611

Table E-178

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.107	0.441	0.121	0.017	0.856*
	Top	0.004	0.003	0.663	0.000	0.000	0.670
	Bottom	0.137	0.030	0.000	0.132	0.000	0.299
	Right	0.000	0.000	0.043	0.000	0.001	0.044
	Left	0.575	0.103	0.011	0.024	0.000	0.713

Table E-179

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.193	0.121	0.036	0.017	0.978
	Top	0.004	0.228	0.000	0.000	0.000	0.232
	Bottom	0.137	0.013	0.132	0.001	0.000	0.283
	Right	0.000	0.638	0.000	0.563	0.001	0.639*
	Left	0.575	0.001	0.024	0.006	0.000	0.606

Table E-180

Cellular Band Ant 1a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 1a ER	802.15.4 Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.611	0.107	0.121	0.036	0.017	0.892
	Top	0.004	0.003	0.000	0.000	0.000	0.007
	Bottom	0.137	0.030	0.132	0.001	0.000	0.300
	Right	0.000	0.000	0.000	0.563	0.001	0.564
	Left	0.575	0.103	0.024	0.006	0.000	0.708

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Table E-181

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.036	0.441	0.017	0.674*
	Top	0.011	0.064	0.000	0.663	0.000	0.738
	Bottom	0.621	0.013	0.001	0.000	0.000	0.635
	Right	0.020	0.213	0.563	0.043	0.001	0.840
	Left	0.029	0.001	0.006	0.011	0.000	0.047

Table E-182

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.036	0.441	0.017	0.878*
	Top	0.011	0.003	0.000	0.663	0.000	0.677
	Bottom	0.621	0.053	0.001	0.000	0.000	0.675
	Right	0.020	0.000	0.563	0.043	0.001	0.627
	Left	0.029	0.190	0.006	0.011	0.000	0.236

Table E-183

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.441	0.121	0.017	0.759*
	Top	0.011	0.064	0.663	0.000	0.000	0.738
	Bottom	0.621	0.013	0.000	0.132	0.000	0.766
	Right	0.020	0.213	0.043	0.000	0.001	0.277
	Left	0.029	0.001	0.011	0.024	0.000	0.065

Table E-184

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.107	0.441	0.121	0.017	0.866*
	Top	0.011	0.003	0.663	0.000	0.000	0.677
	Bottom	0.621	0.030	0.000	0.132	0.000	0.783
	Right	0.020	0.000	0.043	0.000	0.001	0.064
	Left	0.029	0.103	0.011	0.024	0.000	0.167

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Table E-185

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.121	0.036	0.017	0.988
	Top	0.011	0.228	0.000	0.000	0.000	0.239
	Bottom	0.621	0.013	0.132	0.001	0.000	0.767
	Right	0.020	0.638	0.000	0.563	0.001	0.659*
	Left	0.029	0.001	0.024	0.006	0.000	0.060

Table E-186

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

Simult Tx	Configuration	Cellular Band Ant 1b ER	802.15.4 Ant 1a with 7 dB backoff ER	6 GHz WIFI Ant 1b with 6 dB backoff ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.107	0.121	0.036	0.017	0.902
	Top	0.011	0.003	0.000	0.000	0.000	0.014
	Bottom	0.621	0.030	0.132	0.001	0.000	0.784
	Right	0.020	0.000	0.000	0.563	0.001	0.584
	Left	0.029	0.103	0.024	0.006	0.000	0.162

Table E-187

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.036	0.441	0.017	0.674*
	Top	0.028	0.064	0.000	0.663	0.000	0.755
	Bottom	0.579	0.013	0.001	0.000	0.000	0.593
	Right	0.621	0.213	0.563	0.043	0.001	0.878*
	Left	0.037	0.001	0.006	0.011	0.000	0.055

Table E-188

Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.641	0.036	0.441	0.017	0.694*
	Top	0.028	0.003	0.000	0.663	0.000	0.694
	Bottom	0.579	0.174	0.001	0.000	0.000	0.754
	Right	0.621	0.000	0.563	0.043	0.001	0.665*
	Left	0.037	0.569	0.006	0.011	0.000	0.623

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Table E-189
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.441	0.474	0.017	0.991*
	Top	0.028	0.064	0.663	0.000	0.000	0.755
	Bottom	0.579	0.013	0.000	0.676	0.000	0.689*
	Right	0.621	0.213	0.043	0.000	0.001	0.878
	Left	0.037	0.001	0.011	0.024	0.000	0.073

Table E-190
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.441	0.474	0.017	0.695*
	Top	0.028	0.003	0.663	0.000	0.000	0.694
	Bottom	0.579	0.053	0.000	0.676	0.000	0.729*
	Right	0.621	0.000	0.043	0.000	0.001	0.665
	Left	0.037	0.190	0.011	0.024	0.000	0.262

Table E-191
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.474	0.036	0.017	0.867*
	Top	0.028	0.228	0.000	0.000	0.000	0.256
	Bottom	0.579	0.013	0.676	0.001	0.000	0.690*
	Right	0.621	0.638	0.000	0.563	0.001	0.639*
	Left	0.037	0.001	0.024	0.006	0.000	0.068

Table E-192
Cellular Band Ant 2 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 2 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.474	0.036	0.017	0.731*
	Top	0.028	0.003	0.000	0.000	0.000	0.031
	Bottom	0.579	0.053	0.676	0.001	0.000	0.730*
	Right	0.621	0.000	0.000	0.563	0.001	0.622*
	Left	0.037	0.190	0.024	0.006	0.000	0.257

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Table E-193

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 7 dB backoff ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.029	0.036	0.134	0.017	0.444
	Top	0.133	0.039	0.000	0.184	0.000	0.356
	Bottom	0.006	0.013	0.001	0.000	0.000	0.020
	Right	0.590	0.108	0.160	0.043	0.001	0.902
	Left	0.000	0.001	0.006	0.011	0.000	0.018

Table E-194

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.641	0.036	0.134	0.017	0.694*
	Top	0.133	0.003	0.000	0.184	0.000	0.320
	Bottom	0.006	0.174	0.001	0.000	0.000	0.181
	Right	0.590	0.000	0.160	0.043	0.001	0.794
	Left	0.000	0.569	0.006	0.011	0.000	0.586

Table E-195

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 7 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.029	0.134	0.474	0.017	0.882
	Top	0.133	0.039	0.184	0.000	0.000	0.356
	Bottom	0.006	0.013	0.000	0.676	0.000	0.695
	Right	0.590	0.108	0.043	0.000	0.001	0.742
	Left	0.000	0.001	0.011	0.024	0.000	0.036

Table E-196

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.204	0.134	0.474	0.017	0.695*
	Top	0.133	0.003	0.184	0.000	0.000	0.320
	Bottom	0.006	0.053	0.000	0.676	0.000	0.735
	Right	0.590	0.000	0.043	0.000	0.001	0.634
	Left	0.000	0.190	0.011	0.024	0.000	0.225

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Table E-197

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.059	0.474	0.036	0.017	0.814
	Top	0.133	0.064	0.000	0.000	0.000	0.197
	Bottom	0.006	0.013	0.676	0.001	0.000	0.696
	Right	0.590	0.213	0.000	0.160	0.001	0.964
	Left	0.000	0.001	0.024	0.006	0.000	0.031

Table E-198

Cellular Band Ant 3a Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3a ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.228	0.204	0.474	0.036	0.017	0.959
	Top	0.133	0.003	0.000	0.000	0.000	0.136
	Bottom	0.006	0.053	0.676	0.001	0.000	0.736
	Right	0.590	0.000	0.000	0.160	0.001	0.751
	Left	0.000	0.190	0.024	0.006	0.000	0.220

Table E-199

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 7 dB backoff ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.029	0.036	0.134	0.017	0.669
	Top	0.621	0.039	0.000	0.184	0.000	0.844
	Bottom	0.008	0.013	0.001	0.000	0.000	0.022
	Right	0.033	0.108	0.160	0.043	0.001	0.345
	Left	0.034	0.001	0.006	0.011	0.000	0.052

Table E-200

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

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.641	0.036	0.134	0.017	0.694*
	Top	0.621	0.003	0.000	0.184	0.000	0.808
	Bottom	0.008	0.174	0.001	0.000	0.000	0.183
	Right	0.033	0.000	0.160	0.043	0.001	0.237
	Left	0.034	0.569	0.006	0.011	0.000	0.620

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Table E-201
Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 7 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.029	0.134	0.474	0.017	0.633*
	Top	0.621	0.039	0.184	0.000	0.000	0.844
	Bottom	0.008	0.013	0.000	0.676	0.000	0.697
	Right	0.033	0.108	0.043	0.000	0.001	0.185
	Left	0.034	0.001	0.011	0.024	0.000	0.070

Table E-202
Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b with 6 dB backoff ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.204	0.134	0.474	0.017	0.695*
	Top	0.621	0.003	0.184	0.000	0.000	0.808
	Bottom	0.008	0.053	0.000	0.676	0.000	0.737
	Right	0.033	0.000	0.043	0.000	0.001	0.077
	Left	0.034	0.190	0.011	0.024	0.000	0.259

Table E-203
Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.059	0.474	0.036	0.017	0.986*
	Top	0.621	0.064	0.000	0.000	0.000	0.685
	Bottom	0.008	0.013	0.676	0.001	0.000	0.698
	Right	0.033	0.213	0.000	0.160	0.001	0.407
	Left	0.034	0.001	0.024	0.006	0.000	0.065

Table E-204
Cellular Band Ant 3b Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 3b ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T with 6 dB backoff ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.453	0.204	0.474	0.036	0.017	0.731*
	Top	0.621	0.003	0.000	0.000	0.000	0.624
	Bottom	0.008	0.053	0.676	0.001	0.000	0.738
	Right	0.033	0.000	0.000	0.160	0.001	0.194
	Left	0.034	0.190	0.024	0.006	0.000	0.254

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Table E-205
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.036	0.441	0.017	0.674*
	Top	0.578	0.064	0.000	0.663	0.000	0.727*
	Bottom	0.031	0.013	0.001	0.000	0.000	0.045
	Right	0.040	0.213	0.563	0.043	0.001	0.860
	Left	0.611	0.001	0.006	0.011	0.000	0.629

Table E-206
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a ER	6 GHz WIFI Ant 5T ER	6 GHz WIFI Ant 3b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.641	0.036	0.441	0.017	0.694*
	Top	0.578	0.003	0.000	0.663	0.000	0.666*
	Bottom	0.031	0.174	0.001	0.000	0.000	0.206
	Right	0.040	0.000	0.563	0.043	0.001	0.647
	Left	0.611	0.569	0.006	0.011	0.000	0.628*

Table E-207
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.059	0.441	0.474	0.017	0.991*
	Top	0.578	0.064	0.663	0.000	0.000	0.727*
	Bottom	0.031	0.013	0.000	0.676	0.000	0.720
	Right	0.040	0.213	0.043	0.000	0.001	0.297
	Left	0.611	0.001	0.011	0.024	0.000	0.647

Table E-208
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 3b ER	6 GHz WIFI Ant 1b ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.441	0.474	0.017	0.695*
	Top	0.578	0.003	0.663	0.000	0.000	0.666*
	Bottom	0.031	0.053	0.000	0.676	0.000	0.760
	Right	0.040	0.000	0.043	0.000	0.001	0.084
	Left	0.611	0.190	0.011	0.024	0.000	0.836

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Table E-209
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 3a ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.193	0.474	0.036	0.017	0.867*
	Top	0.578	0.228	0.000	0.000	0.000	0.806
	Bottom	0.031	0.013	0.676	0.001	0.000	0.721
	Right	0.040	0.638	0.000	0.563	0.001	0.679*
	Left	0.611	0.001	0.024	0.006	0.000	0.642

Table E-210
Cellular Band Ant 4 Simultaneous Transmission Scenario with 802.15.4, 6 GHz WIFI
MIMO and wPT

Simult Tx	Configuration	Cellular Band Ant 4 ER	802.15.4 Ant 1a with 4.5 dB backoff ER	6 GHz WIFI Ant 1b ER	6 GHz WIFI Ant 5T ER	wPT ER	Σ ER
		1	2	3	4	5	1+2+3+4+5
Body SAR	Back	0.621	0.204	0.474	0.036	0.017	0.731*
	Top	0.578	0.003	0.000	0.000	0.000	0.581
	Bottom	0.031	0.053	0.676	0.001	0.000	0.761
	Right	0.040	0.000	0.000	0.563	0.001	0.604
	Left	0.611	0.190	0.024	0.006	0.000	0.831

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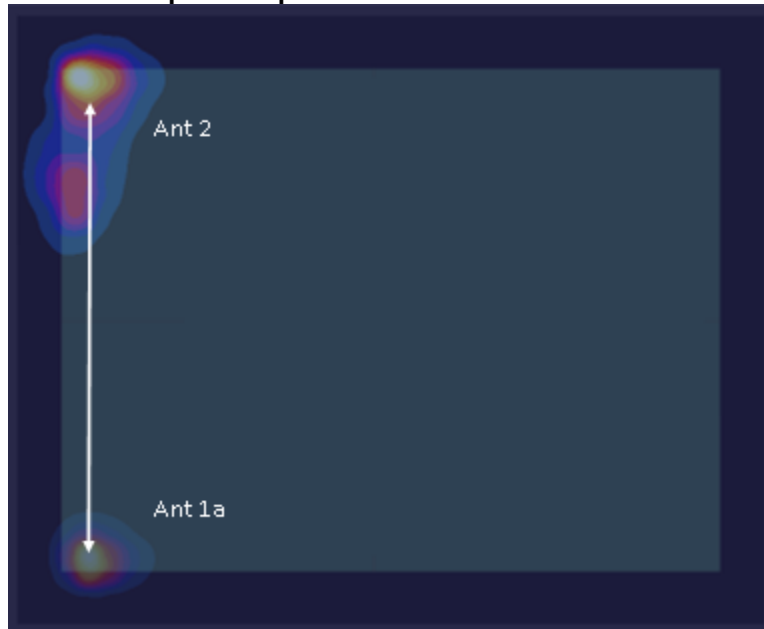
E.4 Spatial Separation Analysis

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.

E.4.1 Back Side Spatial Separation Analysis

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



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

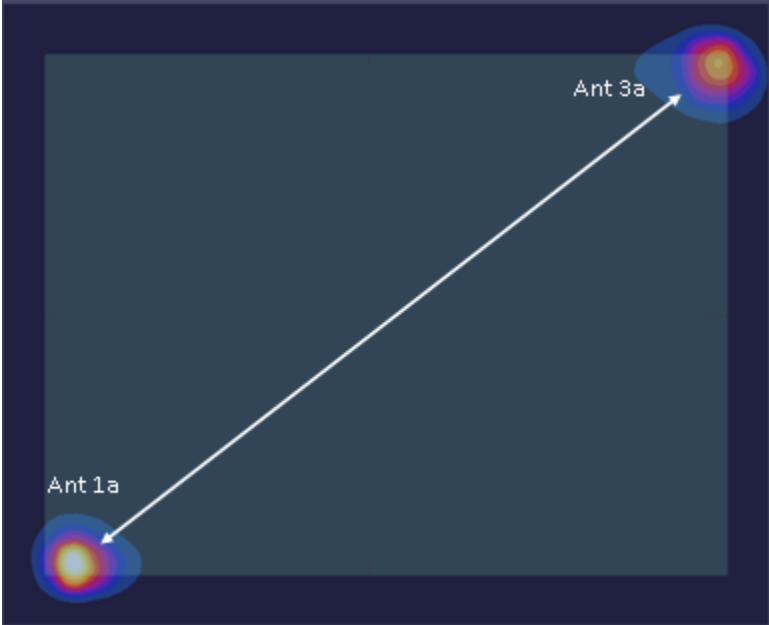
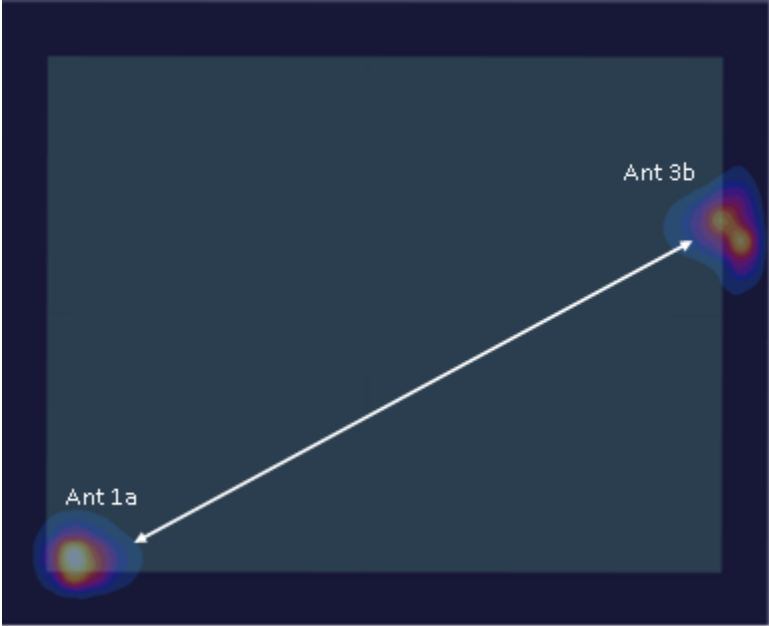


Figure E-3
Back Side Spatial Separation for Antenna 1a and Antenna 3b



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

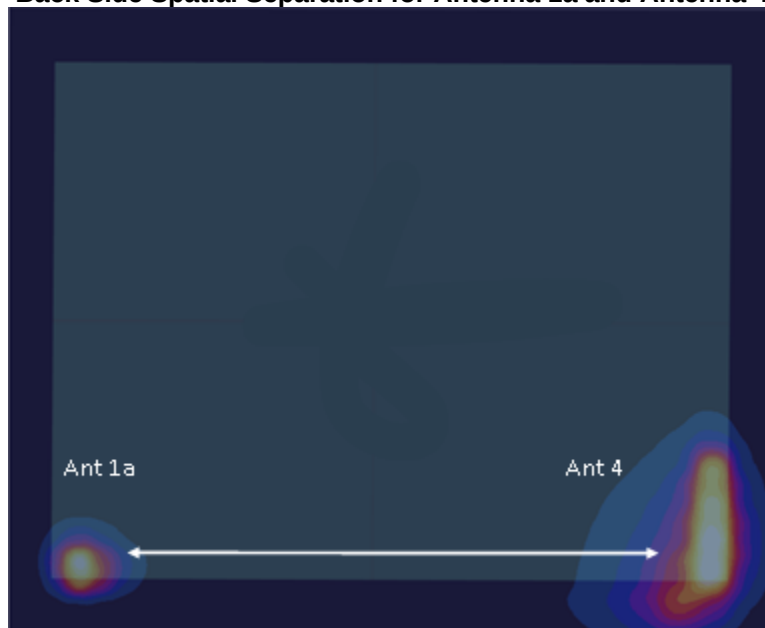
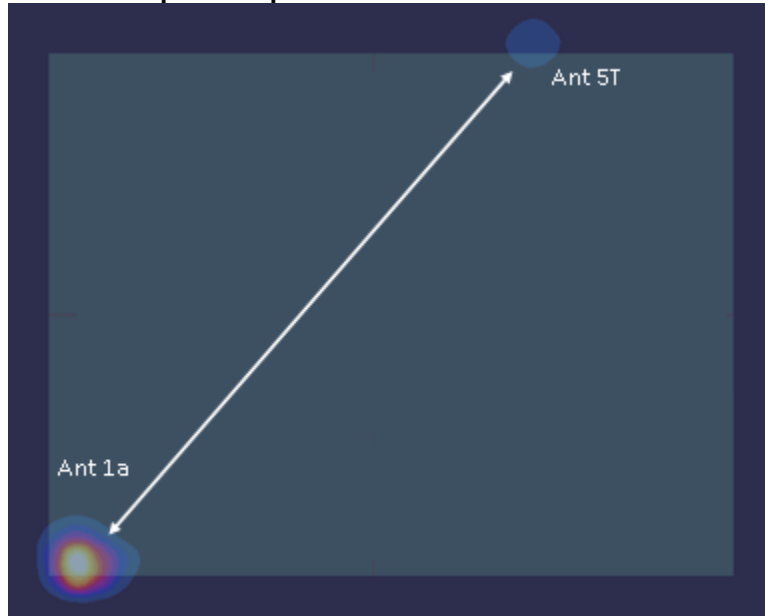


Figure E-5
Back Side Spatial Separation for Antenna 1a and Antenna 5T



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Figure E-6
Back Side Spatial Separation for Antenna 1a and Antenna wPT

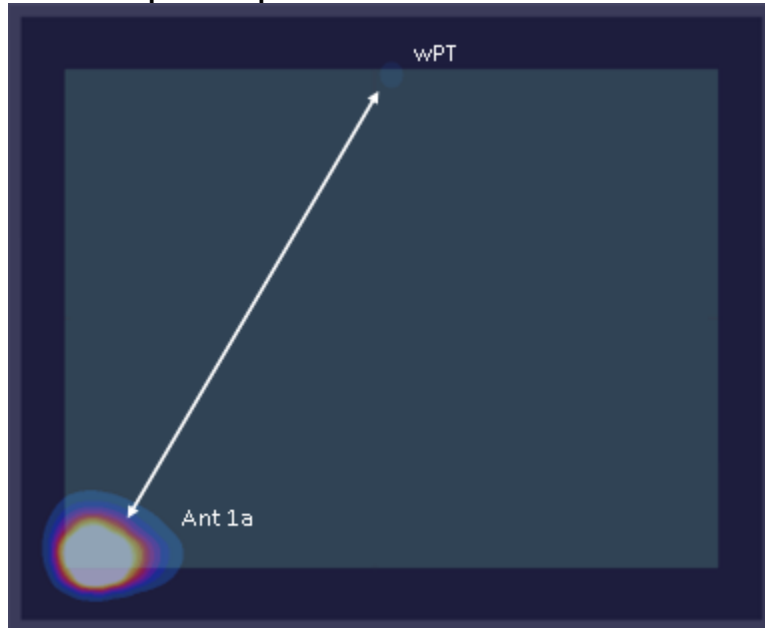
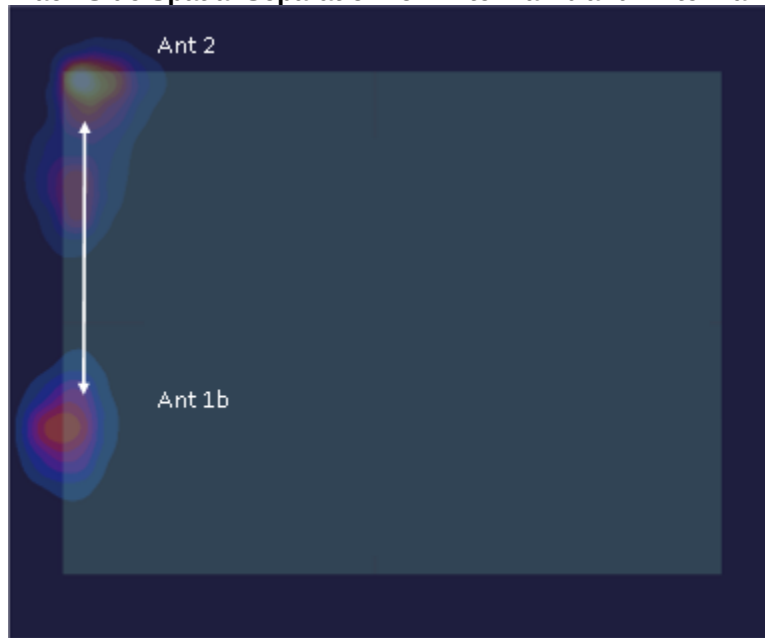


Figure E-7
Back Side Spatial Separation for Antenna 1b and Antenna 2



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

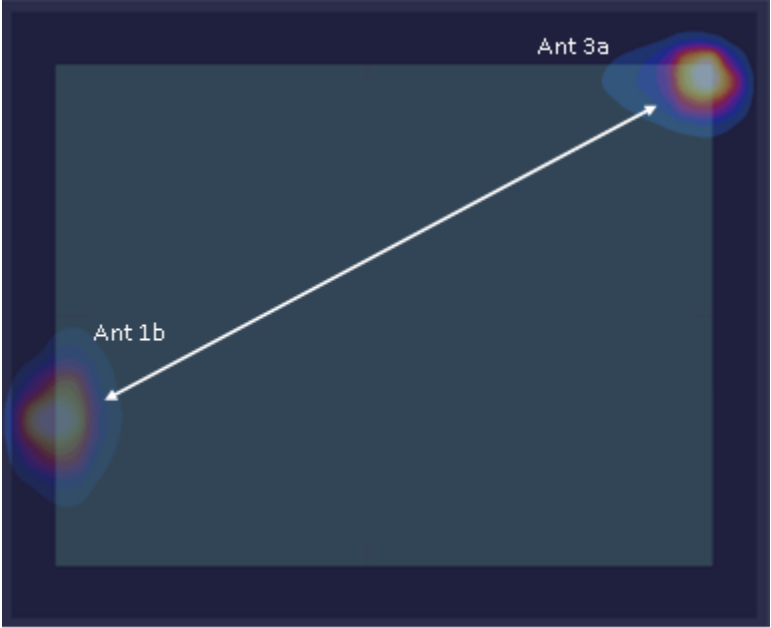
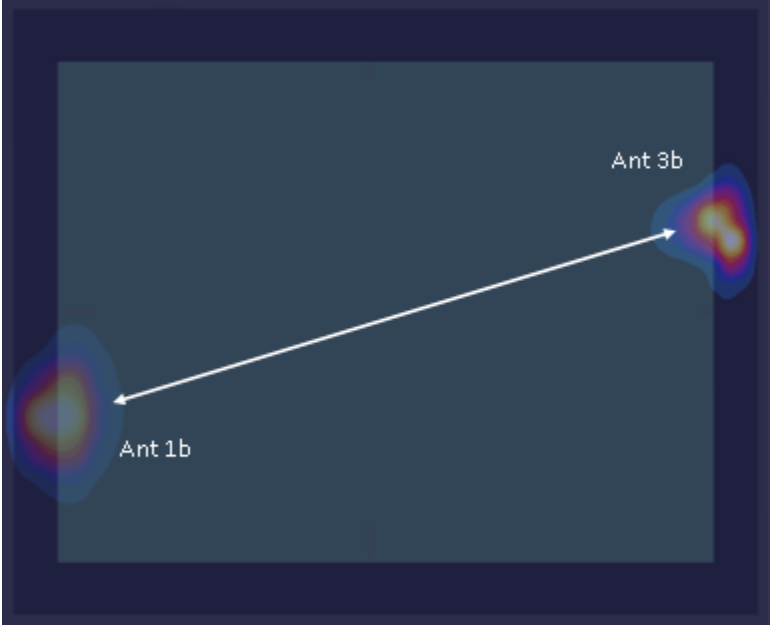


Figure E-9
Back Side Spatial Separation for Antenna 1b and Antenna 3b



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Figure E-10
Back Side Spatial Separation for Antenna 1b and Antenna 4

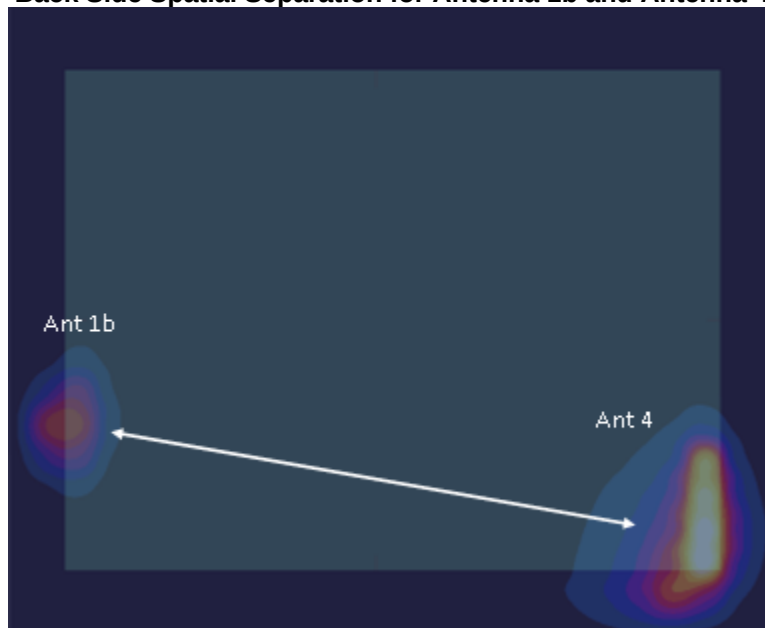
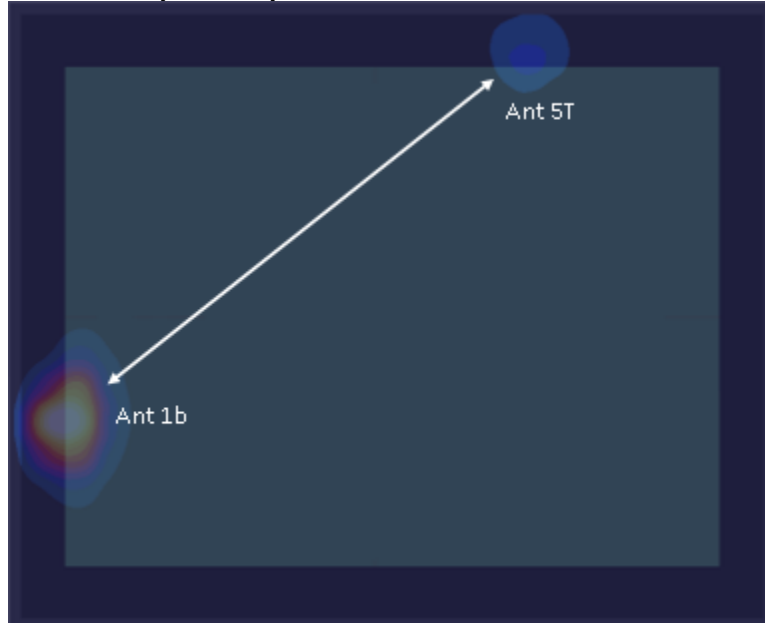


Figure E-11
Back Side Spatial Separation for Antenna 1b and Antenna 5T



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Figure E-12
Back Side Spatial Separation for Antenna 1b and Antenna wPT

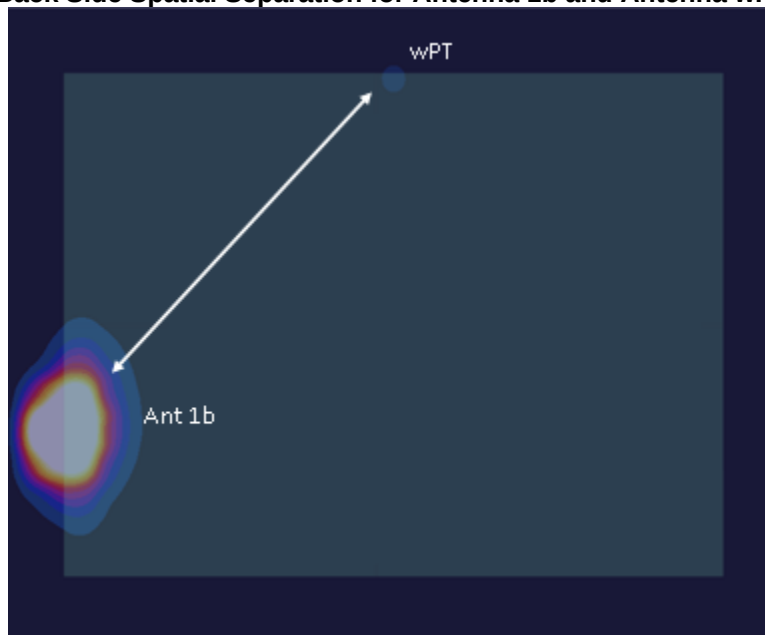
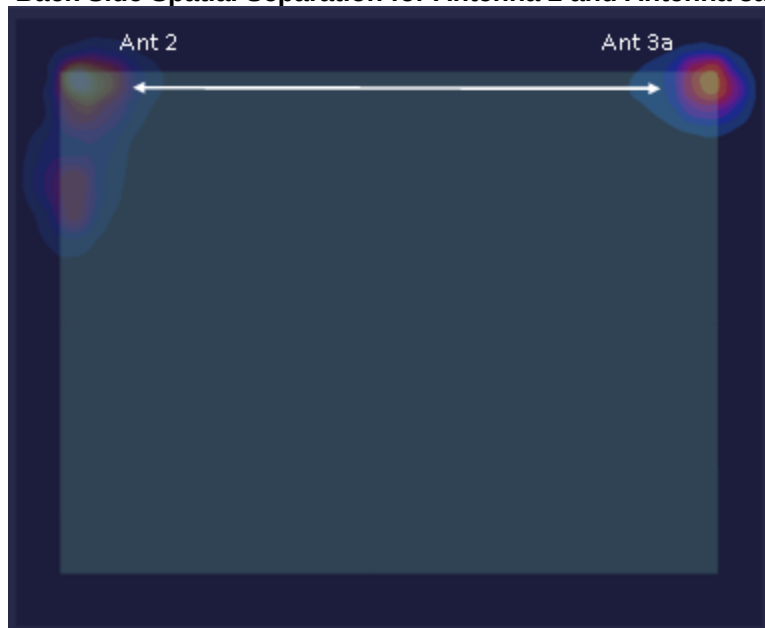


Figure E-13
Back Side Spatial Separation for Antenna 2 and Antenna 3a



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Figure E-14
Back Side Spatial Separation for Antenna 2 and Antenna 3b

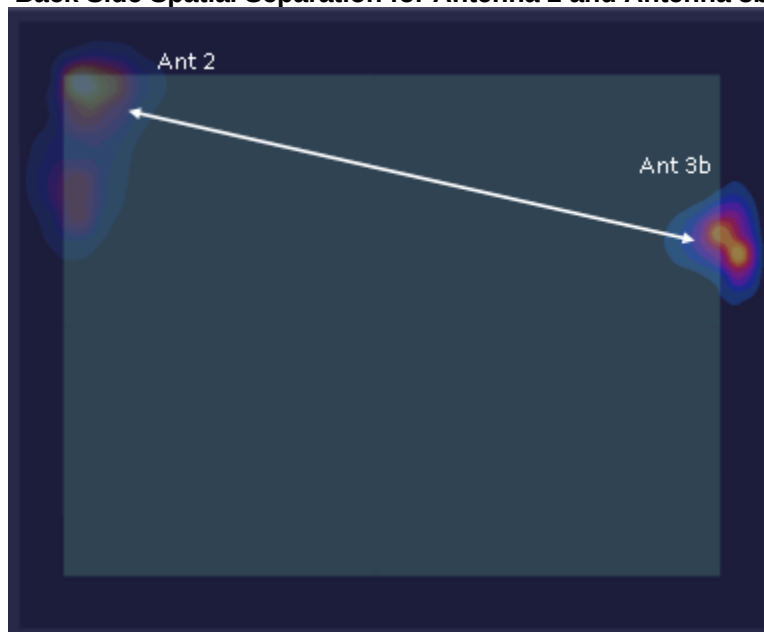


Figure E-15
Back Side Spatial Separation for Antenna 2 and Antenna 5T



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Figure E-16
Back Side Spatial Separation for Antenna 2 and Antenna wPT

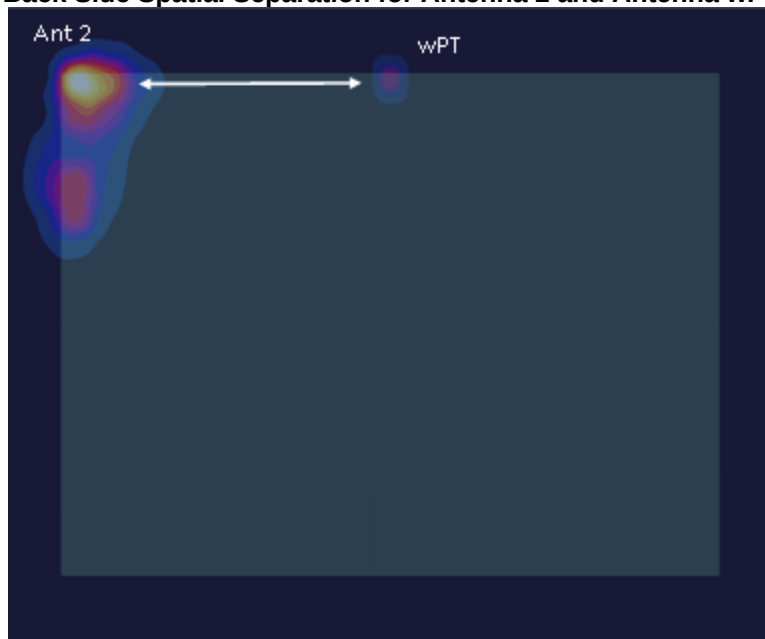
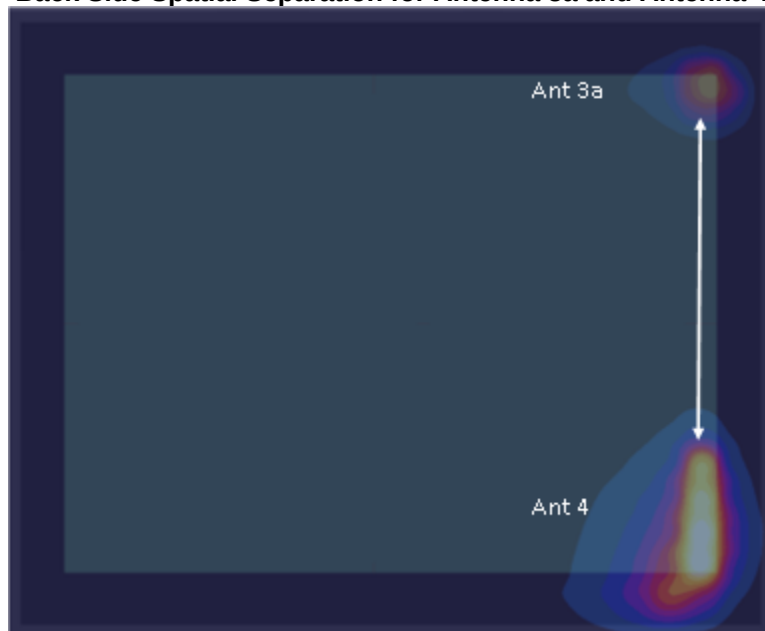


Figure E-17
Back Side Spatial Separation for Antenna 3a and Antenna 4



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Figure E-18
Back Side Spatial Separation for Antenna 3a and Antenna 5T

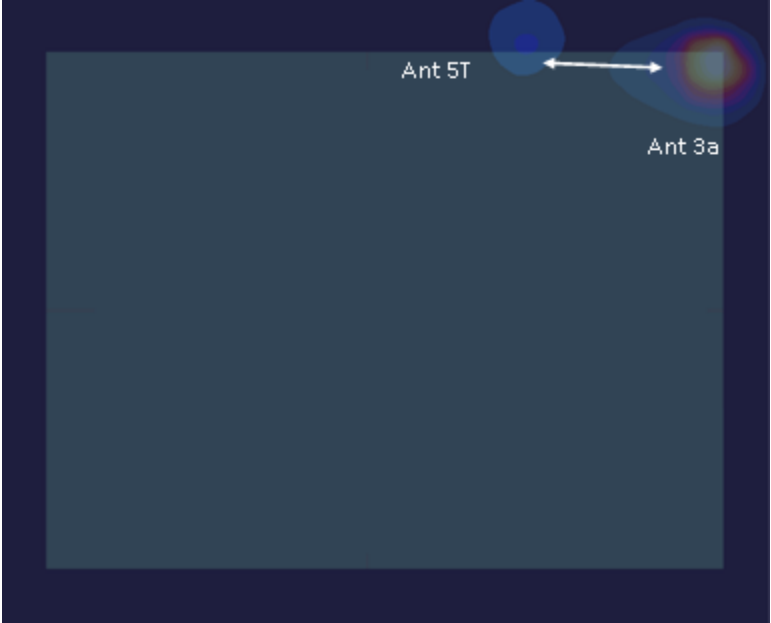
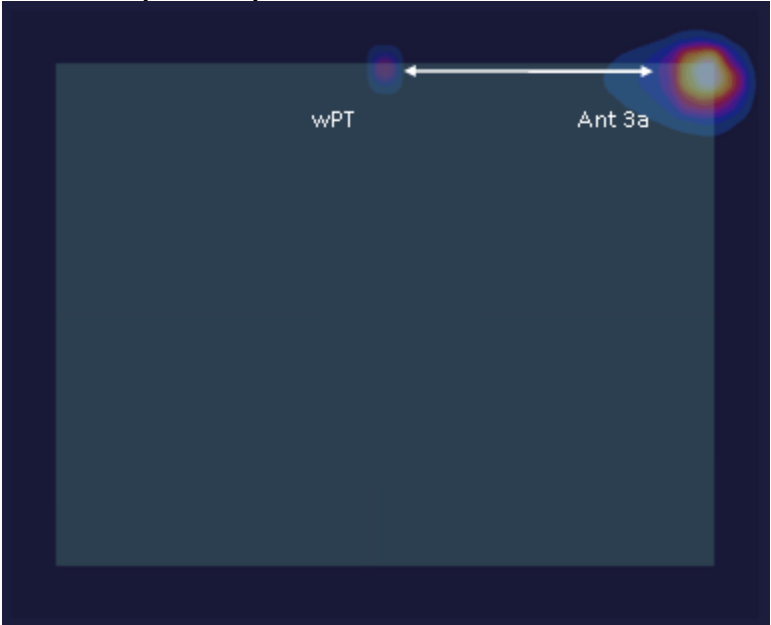


Figure E-19
Back Side Spatial Separation for Antenna 3a and Antenna wPT



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Figure E-20
Back Side Spatial Separation for Antenna 3b and Antenna 4

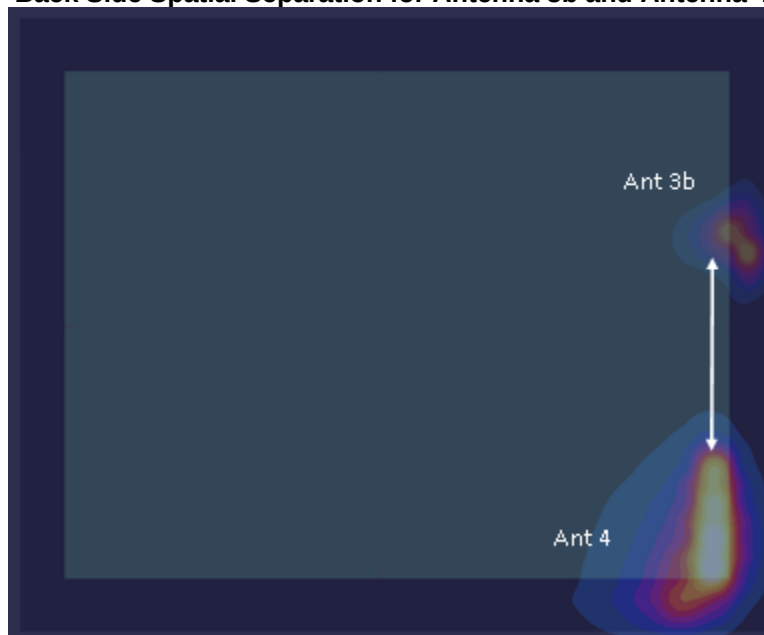


Figure E-21
Back Side Spatial Separation for Antenna 3b and Antenna 5T



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Figure E-22
Back Side Spatial Separation for Antenna 3b and Antenna wPT

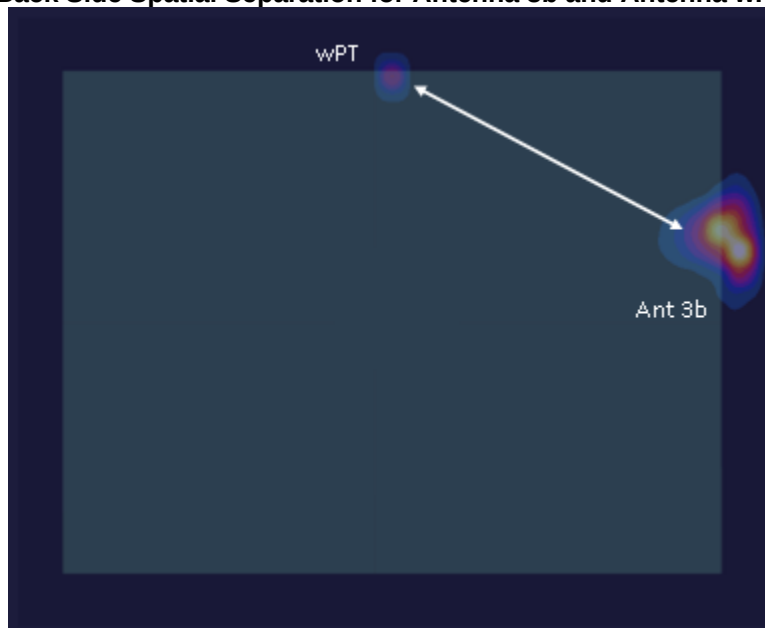
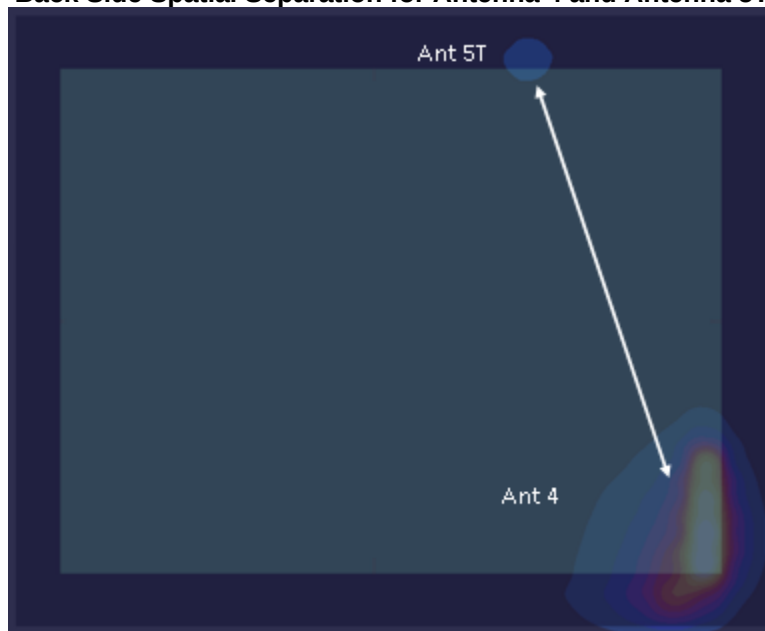


Figure E-23
Back Side Spatial Separation for Antenna 4 and Antenna 5T



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Figure E-24
Back Side Spatial Separation for Antenna 4 and Antenna wPT

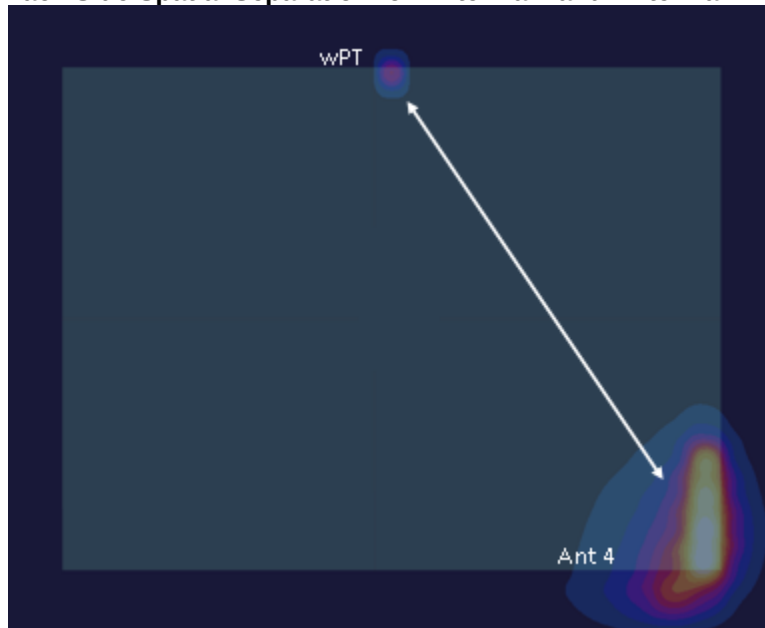
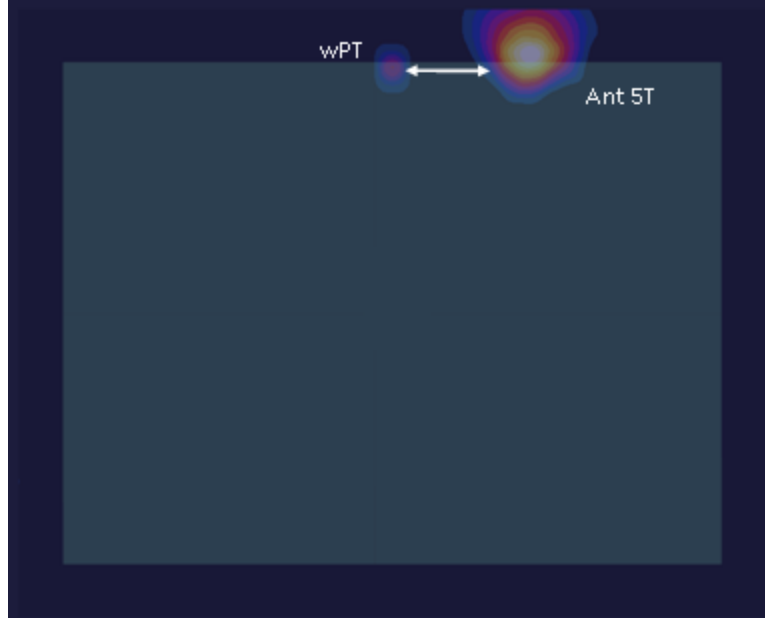


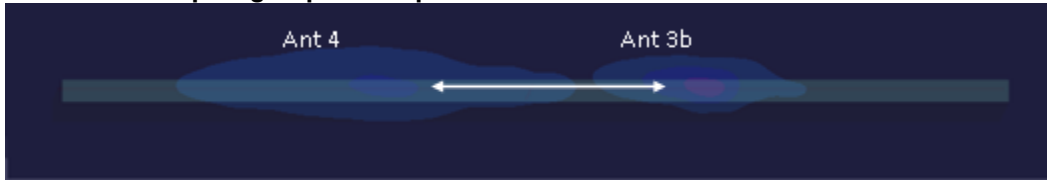
Figure E-25
Back Side Spatial Separation for Antenna 5T and Antenna wPT



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E.4.2 Top Edge Spatial Separation Analysis

Figure E-26
Top Edge Spatial Separation for Antenna 3b and Antenna 4



E.4.3 Bottom Edge Spatial Separation Analysis

Figure E-27
Bottom Edge Spatial Separation for Antenna 1a and Antenna 2



Figure E-28
Bottom Edge Spatial Separation for Antenna 1b and Antenna 2



E.4.4 Right Edge Spatial Separation Analysis

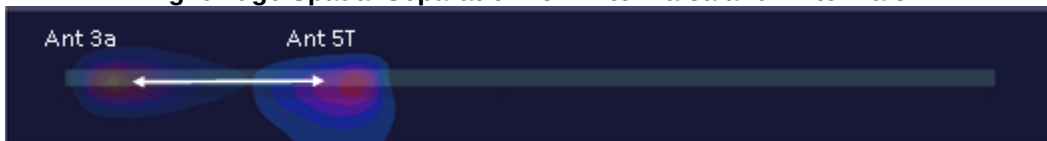
Figure E-29
Right Edge Spatial Separation for Antenna 2 and Antenna 3a



Figure E-30
Right Edge Spatial Separation for Antenna 2 and Antenna 5T



Figure E-31
Right Edge Spatial Separation for Antenna 3a and Antenna 5T



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E.4.5 Left Edge Spatial Separation Analysis

Figure E-32
Left Edge Spatial Separation for Antenna 1a and Antenna 4



Figure E-33
Left Edge Spatial Separation for Antenna 1b and Antenna 4



E.5 Simultaneous Transmission Conclusion

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

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