

Ant.6 - Power Level B2							
NR n77 Part 270 (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.02	664668	22.58
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840	656000	22.64
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	22.55
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	22.54
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840	656000	22.63
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	22.58
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3840	656000	22.63
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3840	656000	22.52
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3840	656000	22.60
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3840	656000	21.11
30	20	CP-OFDM QPSK	Inner_Full	25@12	3840	656000	22.56
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3840	656000	22.60
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3840	656000	22.09
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3840	656000	19.15
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3840	656000	22.07
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840	656000	22.00
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3840	656000	22.62
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840	656000	22.59
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3840	656000	21.62
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840	656000	22.62
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840	656000	22.61
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840	656000	22.52
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840	656000	22.37

Ant.6 - Power Level C2							
NR n77 Part 270 (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.02	664668	24.69
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840	656000	24.72
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	24.65
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	24.70
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840	656000	24.65
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	24.67
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3840	656000	24.71
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3840	656000	23.68
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3840	656000	22.18
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3840	656000	20.14
30	20	CP-OFDM QPSK	Inner_Full	25@12	3840	656000	23.01
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3840	656000	22.63
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3840	656000	22.64
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3840	656000	18.15
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3840	656000	21.08
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840	656000	21.01
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3840	656000	24.69
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840	656000	24.63
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3840	656000	23.63
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840	656000	24.70
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840	656000	24.65
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840	656000	24.57
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840	656000	24.43

Ant.7 - Power Level A2/C2							
NR n77 Part 27Q (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	21.95
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	21.98
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	21.82
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	21.62
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	3500.01	633334	21.80
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	20.89
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	19.39
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	17.68
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	20.39
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	19.95
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	18.37
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	15.37
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3500.01	633334	18.42
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.01	633334	18.51
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3500.01	633334	22.04
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	22.06
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	20.96
30	30	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	19.37
30	40	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	19.43
30	60	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	21.07
30	80	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	20.51

Ant.7 - Power Level B2							
NR n77 Part 27Q (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3540	636000	19.33
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3500.01	633334	19.43
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3460.02	630668	19.28
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3500.01	633334	19.03
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25@12	3500.01	633334	19.41
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	19.44
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	19.41
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	17.67
30	20	CP-OFDM QPSK	Inner_Full	25@12	3500.01	633334	19.39
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3500.01	633334	19.43
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3500.01	633334	18.31
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3500.01	633334	15.34
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3500.01	633334	18.40
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3500.01	633334	19.42
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3500.01	633334	19.65
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	19.66
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3500.01	633334	19.50
30	30	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	16.80
30	40	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	16.91
30	60	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	19.30
30	80	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3500.01	633334	19.06

Ant.7 - Power Level A2/C2							
NR n77 Part 270 (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.02	664668	20.97
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840	656000	21.78
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	21.62
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	21.32
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840	656000	21.52
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	21.42
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3840	656000	20.85
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3840	656000	20.33
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3840	656000	19.35
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3840	656000	17.33
30	20	CP-OFDM QPSK	Inner_Full	25@12	3840	656000	20.22
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3840	656000	19.87
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3840	656000	18.38
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3840	656000	15.36
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3840	656000	18.41
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840	656000	18.45
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3840	656000	20.47
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840	656000	21.18
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3840	656000	20.48
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840	656000	21.11
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840	656000	21.19
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840	656000	21.42
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840	656000	21.77

Ant.7 - Power Level B2							
NR n77 Part 270 (PC2)							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3970.02	664668	19.19
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3840	656000	18.83
30	20	DFT-s-OFDM QPSK	Inner_Full	25@12	3710.01	647334	19.65
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3930	662000	19.03
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3840	656000	19.33
30	100	DFT-s-OFDM QPSK	Inner_Full	135@67	3750	650000	19.12
30	20	DFT-s-OFDM PI/2 BPSK1	Inner_Full	25@12	3840	656000	18.84
30	20	DFT-s-OFDM 16QAM	Inner_Full	25@12	3840	656000	18.78
30	20	DFT-s-OFDM 64QAM	Inner_Full	25@12	3840	656000	18.82
30	20	DFT-s-OFDM 256QAM	Inner_Full	25@12	3840	656000	17.32
30	20	CP-OFDM QPSK	Inner_Full	25@12	3840	656000	18.89
30	20	CP-OFDM 16QAM	Inner_Full	25@12	3840	656000	18.90
30	20	CP-OFDM 64QAM	Inner_Full	25@12	3840	656000	18.39
30	20	CP-OFDM 256QAM	Inner_Full	25@12	3840	656000	15.32
30	20	DFT-s-OFDM QPSK	Edge_Full _Right	2@49	3840	656000	18.39
30	20	DFT-s-OFDM QPSK	Edge_Full _Left	2@0	3840	656000	18.87
30	20	DFT-s-OFDM QPSK	Inner_1RB _Right	1@49	3840	656000	18.26
30	20	DFT-s-OFDM QPSK	Inner_1RB _Left	1@1	3840	656000	18.91
30	20	DFT-s-OFDM QPSK	Outer_Full	50@0	3840	656000	18.96
30	30	DFT-s-OFDM QPSK	Inner_Full	36@18	3840	656000	19.12
30	40	DFT-s-OFDM QPSK	Inner_Full	50@25	3840	656000	19.18
30	60	DFT-s-OFDM QPSK	Inner_Full	81@40	3840	656000	19.22
30	80	DFT-s-OFDM QPSK	Inner_Full	108@54	3840	656000	19.23

Power Level A2							
NR n78							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	23.43
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	23.41
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	23.51
30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	23.45
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25_12	3460.02	630668	23.52
30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	23.48
30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	23.47
30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	21.68
30	20	CP-OFDM QPSK	Inner_Full	25_12	3460.02	630668	23.12
30	20	CP-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	23.26
30	20	CP-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	22.69
30	20	CP-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	19.75
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Right	2@49	3460.02	630668	22.83
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Left	2@0	3460.02	630668	22.93
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Right	1@49	3460.02	630668	23.33
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Left	1@1	3460.02	630668	23.46
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	3460.02	630668	23.32
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	3465	631000	22.72
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	3470.01	631334	22.82
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	3475.02	631668	22.98
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	3480	632000	23.51
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	3485.01	632334	23.12
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	3490.02	632668	23.13
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	3495	633000	23.06

Power Level B2							
NR n78							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	18.39
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	18.48
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	18.40
30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	18.21
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25_12	3460.02	630668	18.69
30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	18.43
30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	18.38
30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	18.34
30	20	CP-OFDM QPSK	Inner_Full	25_12	3460.02	630668	18.40
30	20	CP-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	18.45
30	20	CP-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	18.35
30	20	CP-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	18.41
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Right	2@49	3460.02	630668	18.08
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Left	2@0	3460.02	630668	18.41
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Right	1@49	3460.02	630668	18.46
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Left	1@1	3460.02	630668	18.47
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	3460.02	630668	18.43
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	3465	631000	18.41
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	3470.01	631334	18.38
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	3475.02	631668	18.40
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	3480	632000	18.45
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	3485.01	632334	18.41
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	3490.02	632668	18.34
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	3495	633000	18.25

Power Level C2							
NR n78							
SCS (kHz)	BW (MHz)	Modulation	RB allocation		Frequency (MHz)	Channel	Conducted Power (dBm)
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3540	636000	20.58
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3500.01	633334	20.43
30	20	DFT-s-OFDM QPSK	Inner_Full	25_12	3460.02	630668	20.60
30	100	DFT-s-OFDM QPSK	Inner_Full	135_67	3500.01	633334	20.31
30	20	DFT-s-OFDM PI/2 BPSK	Inner_Full	25_12	3460.02	630668	20.67
30	20	DFT-s-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	20.55
30	20	DFT-s-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	20.58
30	20	DFT-s-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	20.56
30	20	CP-OFDM QPSK	Inner_Full	25_12	3460.02	630668	20.54
30	20	CP-OFDM 16QAM	Inner_Full	25_12	3460.02	630668	20.58
30	20	CP-OFDM 64QAM	Inner_Full	25_12	3460.02	630668	20.51
30	20	CP-OFDM 256QAM	Inner_Full	25_12	3460.02	630668	20.04
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Right	2@49	3460.02	630668	20.57
30	20	DFT-s-OFDM PI/2 BPSK	Edge_Full _Left	2@0	3460.02	630668	20.62
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Right	1@49	3460.02	630668	20.63
30	20	DFT-s-OFDM PI/2 BPSK	Inner_1RB _Left	1@1	3460.02	630668	20.59
30	20	DFT-s-OFDM PI/2 BPSK	Outer_Full	50@0	3460.02	630668	20.57
30	30	DFT-s-OFDM PI/2 BPSK	Inner_Full	36@18	3465	631000	20.54
30	40	DFT-s-OFDM PI/2 BPSK	Inner_Full	50@25	3470.01	631334	20.56
30	50	DFT-s-OFDM PI/2 BPSK	Inner_Full	64@32	3475.02	631668	20.41
30	60	DFT-s-OFDM PI/2 BPSK	Inner_Full	81@40	3480	632000	20.37
30	70	DFT-s-OFDM PI/2 BPSK	Inner_Full	90@45	3485.01	632334	20.33
30	80	DFT-s-OFDM PI/2 BPSK	Inner_Full	108@54	3490.02	632668	20.21
30	90	DFT-s-OFDM PI/2 BPSK	Inner_Full	120@60	3495	633000	20.19

10.4. Bluetooth and WLAN Measurement result

Table 10.5: The conducted Power measurement results for Bluetooth

Averaged Power (dBm)				
Mode	Tune up	Ch.0 (2402MHz)	Ch.39 (2441MHz)	Ch.78 (2480MHz)
GFSK	13.0	11.92	12.07	12.35
EDR2M-4_DQPSK	11.0	9.90	10.11	10.82
EDR3M-8DPSK	11.0	9.87	10.10	10.79
/	/	Ch.0 (2402MHz)	Ch.19 (2440MHz)	Ch.39 (2480MHz)
BLE(1M)	8.0	6.35	6.63	7.52
BLE(2M)	8.0	6.39	6.66	7.60

Table 10.6: The conducted Power measurement results for WLAN 2.4GHz

Ant.8 - Power Level D1/E1/F1/F2				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	Tune up	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	20.0	19.72	19.40	19.68
802.11g	19.0	18.69	18.11	18.37
802.11n(20MHz)	19.0	18.69	18.12	18.57
Ant.8 - Power Level D2/E2				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	Tune up	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	17.0	16.72	16.52	16.63
802.11g	17.0	16.69	16.44	16.56
802.11n(20MHz)	15.0	14.59	14.37	14.42

Ant.9 - Power Level D1/E1/F1/F2				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	Tune up	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	20.0	19.75	19.71	19.76
802.11g	19.0	17.93	17.91	17.96
802.11n(20MHz)	19.0	18.46	17.92	17.91
Ant.9 - Power Level D2/E2				
Averaged Power (dBm) Duty Cycle: 100%				
Mode	Tune up	Ch.1 (2412MHz)	Ch.6 (2437MHz)	Ch.11 (2462MHz)
802.11b	17.0	16.71	16.67	16.75
802.11g	17.0	16.35	16.28	16.40
802.11n(20MHz)	15.0	14.85	14.55	14.50

General note: WLAN2.4GHz 802.11g/n of Ant.8 and Ant.9 can transmit in MIMO mode, and the power level in MIMO mode are equivalent to SISO mode, so we choose the sum SAR values of 802.11b mode to evaluate simultaneous transmission SAR.

Table 10.7: The conducted Power measurement results for WLAN 5GHz

Ant.8 - Power Level D1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
36(5180MHz)	14.94	14.92	13.33	38(5190MHz)	13.09	11.59	42(5210MHz)	10.25
40(5200MHz)	14.51	14.42	12.97	46(5230MHz)	12.64	11.00	/	/
44(5220MHz)	14.42	14.22	12.87	/	/	/	/	/
48(5240MHz)	14.24	14.18	12.69	/	/	/	/	/
<U-NII-2A>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
52(5260MHz)	14.25	14.13	12.72	54(5270MHz)	12.52	10.79	58(5290MHz)	10.00
56(5280MHz)	14.50	14.28	12.99	62(5310MHz)	12.55	11.02	/	/
60(5300MHz)	14.55	14.46	13.20	/	/	/	/	/
64(5320MHz)	14.57	14.52	13.17	/	/	/	/	/
<U-NII-2C>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
100(5500MHz)	16.41	16.39	15.20	102(5510MHz)	14.85	13.27	106(5530MHz)	12.14
116(5580MHz)	16.29	16.28	14.80	110(5550MHz)	14.63	13.03	122(5610MHz)	12.37
124(5620MHz)	16.93	16.58	15.13	126(5630MHz)	14.99	13.39	/	/
132(5660MHz)	16.55	16.53	15.29	134(5670MHz)	14.97	13.08	/	/
140(5700MHz)	16.56	16.53	15.26	/	/	/	/	/
<U-NII-3>								
Tune up	17.0	17.0	16.0	/	16.0	14.0	/	13.0
149(5745MHz)	16.63	16.40	15.01	151(5755MHz)	14.82	13.47	155(5775MHz)	12.43
157(5785MHz)	16.23	16.20	14.87	159(5795MHz)	14.67	13.31	/	/
165(5825MHz)	16.12	16.10	14.74	/	/	/	/	/

Ant.8 - Power Level D2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	11.5	11.5	10.0	/	10.0	8.0	/	11.0
36(5180MHz)	10.96	10.93	9.35	38(5190MHz)	9.07	7.62	42(5210MHz)	10.25
40(5200MHz)	10.53	10.38	8.99	46(5230MHz)	8.63	7.11	/	/
44(5220MHz)	10.46	10.24	8.91	/	/	/	/	/
48(5240MHz)	10.23	10.21	8.67	/	/	/	/	/
<U-NII-2A>								
Tune up	11.5	11.5	10.0	/	10.0	8.0	/	11.0
52(5260MHz)	10.25	10.18	9.75	54(5270MHz)	9.58	6.88	58(5290MHz)	10.00
56(5280MHz)	10.48	10.31	9.01	62(5310MHz)	9.57	7.06	/	/
60(5300MHz)	10.61	10.39	9.22	/	/	/	/	/
64(5320MHz)	10.82	10.47	9.15	/	/	/	/	/
<U-NII-2C>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
100(5500MHz)	14.63	14.44	13.41	102(5510MHz)	13.05	11.32	106(5530MHz)	10.52
116(5580MHz)	14.48	14.23	12.88	110(5550MHz)	12.77	11.23	122(5610MHz)	10.41
124(5620MHz)	14.91	14.65	13.24	126(5630MHz)	13.18	11.44	/	/
132(5660MHz)	14.72	14.68	13.41	134(5670MHz)	13.21	11.21	/	/
140(5700MHz)	14.74	14.69	13.32	/	/	/	/	/
<U-NII-3>								
Tune up	15.0	15.0	13.0	/	13.0	11.0	/	10.0
149(5745MHz)	14.63	14.24	12.87	151(5755MHz)	11.87	10.52	155(5775MHz)	9.42
157(5785MHz)	14.10	13.85	12.51	159(5795MHz)	11.77	10.41	/	/
165(5825MHz)	13.98	13.75	12.33	/	/	/	/	/

Ant.8 - Power Level E1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
36(5180MHz)	14.94	14.92	13.33	38(5190MHz)	13.09	11.59	42(5210MHz)	10.25
40(5200MHz)	14.51	14.42	12.97	46(5230MHz)	12.64	11.00	/	/
44(5220MHz)	14.42	14.22	12.87	/	/	/	/	/
48(5240MHz)	14.24	14.18	12.69	/	/	/	/	/
<U-NII-3>								
Tune up	16.0	16.0	14.5	/	14.5	13.0	/	11.0
149(5745MHz)	15.33	15.18	13.81	151(5755MHz)	13.90	12.53	155(5775MHz)	10.48
157(5785MHz)	15.04	15.02	13.62	159(5795MHz)	13.81	12.42	/	/
165(5825MHz)	14.91	14.90	13.48	/	/	/	/	/

Ant.8 - Power Level E2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	11.5	11.5	10.0	/	10.0	8.0	/	11.0
36(5180MHz)	10.96	10.93	9.35	38(5190MHz)	9.07	7.62	42(5210MHz)	10.25
40(5200MHz)	10.53	10.38	8.99	46(5230MHz)	8.63	7.11	/	/
44(5220MHz)	10.46	10.24	8.91	/	/	/	/	/
48(5240MHz)	10.23	10.21	8.67	/	/	/	/	/
<U-NII-3>								
Tune up	12.0	12.0	10.5	/	10.5	9.5	/	8.0
149(5745MHz)	11.18	11.03	9.67	151(5755MHz)	9.37	8.05	155(5775MHz)	6.97
157(5785MHz)	10.92	10.88	9.51	159(5795MHz)	9.29	7.93	/	/
165(5825MHz)	10.78	10.74	9.35	/	/	/	/	/

Ant.8 - Power Level F1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
36(5180MHz)	16.96	16.89	15.53	38(5190MHz)	15.15	13.62	42(5210MHz)	12.29
40(5200MHz)	16.53	16.45	15.10	46(5230MHz)	14.68	13.03	/	/
44(5220MHz)	16.45	16.22	14.93	/	/	/	/	/
48(5240MHz)	16.25	16.13	14.72	/	/	/	/	/
<U-NII-2A>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
52(5260MHz)	16.23	16.15	14.76	54(5270MHz)	14.56	12.83	58(5290MHz)	12.10
56(5280MHz)	16.52	16.24	14.98	62(5310MHz)	14.59	13.13	/	/
60(5300MHz)	16.35	16.31	15.16	/	/	/	/	/
64(5320MHz)	16.56	16.42	15.09	/	/	/	/	/
<U-NII-2C>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
100(5500MHz)	16.41	16.39	15.20	102(5510MHz)	14.85	13.27	106(5530MHz)	12.14
116(5580MHz)	16.29	16.28	14.80	110(5550MHz)	14.63	13.03	122(5610MHz)	12.37
124(5620MHz)	16.93	16.58	15.13	126(5630MHz)	14.99	13.39	/	/
132(5660MHz)	16.55	16.53	15.29	134(5670MHz)	14.97	13.08	/	/
140(5700MHz)	16.56	16.53	15.26	/	/	/	/	/
<U-NII-3>								
Tune up	17.0	17.0	16.0	/	16.0	14.0	/	13.0
149(5745MHz)	16.63	16.40	15.01	151(5755MHz)	14.82	13.47	155(5775MHz)	12.43
157(5785MHz)	16.23	16.20	14.87	159(5795MHz)	14.67	13.31	/	/
165(5825MHz)	16.12	16.10	14.74	/	/	/	/	/

Ant.8 - Power Level F2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	14.5	14.5	13.5	/	13.0	11.5	/	10.0
36(5180MHz)	13.92	13.90	12.35	38(5190MHz)	12.07	10.61	42(5210MHz)	9.24
40(5200MHz)	13.48	13.46	13.02	46(5230MHz)	11.63	10.07	/	/
44(5220MHz)	13.45	13.25	11.92	/	/	/	/	/
48(5240MHz)	13.26	13.22	11.72	/	/	/	/	/
<U-NII-2A>								
Tune up	14.5	14.5	13.5	/	13.0	11.5	/	10.0
52(5260MHz)	13.27	13.17	11.77	54(5270MHz)	11.58	9.88	58(5290MHz)	9.02
56(5280MHz)	13.54	13.30	11.97	62(5310MHz)	11.59	10.11	/	/
60(5300MHz)	13.58	13.48	12.18	/	/	/	/	/
64(5320MHz)	13.59	13.49	12.11	/	/	/	/	/
<U-NII-2C>								
Tune up	14.5	14.5	13.5	/	13.0	11.5	/	10.0
100(5500MHz)	13.60	13.40	12.37	102(5510MHz)	12.00	10.26	106(5530MHz)	9.44
116(5580MHz)	13.44	13.17	11.85	110(5550MHz)	11.67	10.18	122(5610MHz)	9.36
124(5620MHz)	13.73	13.61	12.19	126(5630MHz)	12.08	10.39	/	/
132(5660MHz)	13.68	13.63	12.37	134(5670MHz)	12.11	10.17	/	/
140(5700MHz)	13.68	13.65	12.30	/	/	/	/	/
<U-NII-3>								
Tune up	15.0	15.0	13.5	/	13.0	11.5	/	10.0
149(5745MHz)	14.63	14.24	12.87	151(5755MHz)	11.87	10.52	155(5775MHz)	9.42
157(5785MHz)	14.10	13.85	12.51	159(5795MHz)	11.77	10.41	/	/
165(5825MHz)	13.98	13.75	12.33	/	/	/	/	/

Ant.9 - Power Level D1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
36(5180MHz)	14.85	14.72	13.51	38(5190MHz)	13.45	11.74	42(5210MHz)	10.82
40(5200MHz)	14.84	14.63	13.36	46(5230MHz)	13.02	11.56	/	/
44(5220MHz)	14.44	14.25	12.88	/	/	/	/	/
48(5240MHz)	14.36	14.21	13.72	/	/	/	/	/
<U-NII-2A>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
52(5260MHz)	14.54	14.28	12.98	54(5270MHz)	12.78	11.61	58(5290MHz)	10.55
56(5280MHz)	14.53	14.36	12.97	62(5310MHz)	12.65	11.48	/	/
60(5300MHz)	14.45	14.40	13.01	/	/	/	/	/
64(5320MHz)	14.49	14.28	12.99	/	/	/	/	/
<U-NII-2C>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
100(5500MHz)	16.49	16.40	15.03	102(5510MHz)	14.81	13.44	106(5530MHz)	12.54
116(5580MHz)	16.41	16.36	15.10	110(5550MHz)	14.74	13.18	122(5610MHz)	12.38
124(5620MHz)	16.15	16.11	14.87	126(5630MHz)	14.56	13.16	/	/
132(5660MHz)	16.35	16.34	14.90	134(5670MHz)	14.58	13.01	/	/
140(5700MHz)	16.13	16.12	14.78	/	/	/	/	/
<U-NII-3>								
Tune up	17.0	17.0	16.0	/	16.0	15.0	/	13.0
149(5745MHz)	16.00	15.86	14.66	151(5755MHz)	14.49	14.10	155(5775MHz)	12.70
157(5785MHz)	15.96	15.87	14.48	159(5795MHz)	14.39	14.21	/	/
165(5825MHz)	16.02	15.89	14.59	/	/	/	/	/

Ant.9 - Power Level D2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	11.5	11.5	10.0	/	10.0	8.0	/	7.5
36(5180MHz)	10.85	10.70	9.49	38(5190MHz)	9.43	7.72	42(5210MHz)	6.81
40(5200MHz)	10.81	10.68	9.33	46(5230MHz)	9.01	7.53	/	/
44(5220MHz)	10.42	10.27	8.92	/	/	/	/	/
48(5240MHz)	10.35	10.22	9.73	/	/	/	/	/
<U-NII-2A>								
Tune up	11.5	11.5	10.0	/	10.0	8.0	/	7.5
52(5260MHz)	10.65	10.20	9.01	54(5270MHz)	8.75	7.64	58(5290MHz)	6.57
56(5280MHz)	10.62	10.34	9.95	62(5310MHz)	8.63	7.44	/	/
60(5300MHz)	10.51	10.37	9.04	/	/	/	/	/
64(5320MHz)	10.48	10.32	9.02	/	/	/	/	/
<U-NII-2C>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
100(5500MHz)	14.44	14.37	13.16	102(5510MHz)	13.00	11.55	106(5530MHz)	10.51
116(5580MHz)	14.24	14.22	12.92	110(5550MHz)	12.88	11.29	122(5610MHz)	10.43
124(5620MHz)	14.22	14.20	13.01	126(5630MHz)	12.72	11.22	/	/
132(5660MHz)	14.11	14.09	12.88	134(5670MHz)	12.83	11.11	/	/
140(5700MHz)	13.86	13.82	12.77	/	/	/	/	/
<U-NII-3>								
Tune up	15.0	15.0	14.0	/	14.0	12.0	/	11.0
149(5745MHz)	14.14	14.06	12.80	151(5755MHz)	13.22	11.25	155(5775MHz)	9.66
157(5785MHz)	14.04	13.99	12.55	159(5795MHz)	13.14	11.48	/	/
165(5825MHz)	14.18	14.04	12.77	/	/	/	/	/

Ant.9 - Power Level E1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	15.5	15.5	14.0	/	14.0	12.0	/	11.0
36(5180MHz)	14.85	14.72	13.51	38(5190MHz)	13.45	11.74	42(5210MHz)	10.82
40(5200MHz)	14.84	14.63	13.36	46(5230MHz)	13.02	11.56	/	/
44(5220MHz)	14.44	14.25	12.88	/	/	/	/	/
48(5240MHz)	14.36	14.21	13.72	/	/	/	/	/
<U-NII-3>								
Tune up	16.0	16.0	14.5	/	14.5	13.0	/	11.0
149(5745MHz)	15.03	14.98	13.78	151(5755MHz)	14.21	12.31	155(5775MHz)	10.65
157(5785MHz)	15.05	14.84	13.54	159(5795MHz)	14.12	12.52	/	/
165(5825MHz)	15.07	15.00	13.73	/	/	/	/	/

Ant.9 - Power Level E2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	11.5	11.5	10.0	/	10.0	8.5	/	7.5
36(5180MHz)	10.85	10.70	9.49	38(5190MHz)	9.43	7.72	42(5210MHz)	6.81
40(5200MHz)	10.81	10.68	9.33	46(5230MHz)	9.01	7.53	/	/
44(5220MHz)	10.42	10.27	8.92	/	/	/	/	/
48(5240MHz)	10.35	10.22	9.73	/	/	/	/	/
<U-NII-3>								
Tune up	12.0	12.0	10.5	/	10.5	9.5	/	7.5
149(5745MHz)	11.04	10.97	9.76	151(5755MHz)	10.23	8.29	155(5775MHz)	6.62
157(5785MHz)	10.98	10.87	9.62	159(5795MHz)	10.13	8.50	/	/
165(5825MHz)	11.06	11.02	9.75	/	/	/	/	/

Ant.9 - Power Level F1								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
36(5180MHz)	16.87	16.82	15.51	38(5190MHz)	15.21	13.73	42(5210MHz)	12.74
40(5200MHz)	16.84	16.77	15.42	46(5230MHz)	14.91	13.26	/	/
44(5220MHz)	16.43	16.37	15.05	/	/	/	/	/
48(5240MHz)	16.39	16.32	15.96	/	/	/	/	/
<U-NII-2A>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
52(5260MHz)	16.61	16.38	15.11	54(5270MHz)	14.64	13.39	58(5290MHz)	12.46
56(5280MHz)	16.56	16.29	15.10	62(5310MHz)	14.75	13.36	/	/
60(5300MHz)	16.49	16.41	15.05	/	/	/	/	/
64(5320MHz)	16.46	16.40	15.03	/	/	/	/	/
<U-NII-2C>								
Tune up	17.5	17.5	16.0	/	16.0	14.0	/	13.0
100(5500MHz)	16.49	16.40	15.03	102(5510MHz)	14.81	13.44	106(5530MHz)	12.54
116(5580MHz)	16.41	16.36	15.10	110(5550MHz)	14.74	13.18	122(5610MHz)	12.38
124(5620MHz)	16.15	16.11	14.87	126(5630MHz)	14.56	13.16	/	/
132(5660MHz)	16.35	16.34	14.90	134(5670MHz)	14.58	13.01	/	/
140(5700MHz)	16.13	16.12	14.78	/	/	/	/	/
<U-NII-3>								
Tune up	17.0	17.0	16.0	/	16.0	15.0	/	13.0
149(5745MHz)	16.00	15.86	14.66	151(5755MHz)	14.49	14.10	155(5775MHz)	12.70
157(5785MHz)	15.96	15.87	14.48	159(5795MHz)	14.39	14.21	/	/
165(5825MHz)	16.02	15.89	14.59	/	/	/	/	/

Ant.9 - Power Level F2								
Averaged Power (dBm) Duty Cycle: 100%								
Mode	802.11a	802.11n -20MHz	802.11ac -20MHz	Mode	802.11n -40MHz	802.11ac -40MHz	Mode	802.11ac -80MHz
Channel	6Mbps	MCS0	MCS0	Channel	MCS0	MCS0	Channel	MCS0
<U-NII-1>								
Tune up	14.5	14.5	13.5	/	13.0	12.0	/	10.0
36(5180MHz)	13.88	13.83	12.55	38(5190MHz)	12.26	10.72	42(5210MHz)	9.95
40(5200MHz)	13.85	13.74	12.41	46(5230MHz)	11.98	10.55	/	/
44(5220MHz)	13.45	13.35	11.91	/	/	/	/	/
48(5240MHz)	13.32	13.28	12.75	/	/	/	/	/
<U-NII-2A>								
Tune up	14.5	14.5	13.5	/	13.0	12.0	/	10.0
52(5260MHz)	13.58	13.35	11.99	54(5270MHz)	11.74	10.65	58(5290MHz)	9.61
56(5280MHz)	13.55	13.32	12.00	62(5310MHz)	11.60	10.44	/	/
60(5300MHz)	13.47	13.44	12.10	/	/	/	/	/
64(5320MHz)	13.52	13.35	12.08	/	/	/	/	/
<U-NII-2C>								
Tune up	14.5	14.5	13.5	/	13.0	12.0	/	10.0
100(5500MHz)	13.45	13.35	12.10	102(5510MHz)	11.98	10.53	106(5530MHz)	9.53
116(5580MHz)	13.31	13.20	11.90	110(5550MHz)	11.85	10.31	122(5610MHz)	9.45
124(5620MHz)	13.28	13.27	11.98	126(5630MHz)	11.70	10.25	/	/
132(5660MHz)	13.08	13.05	11.85	134(5670MHz)	11.86	10.13	/	/
140(5700MHz)	13.88	13.79	11.73	/	/	/	/	/
<U-NII-3>								
Tune up	15.0	15.0	13.5	/	14.0	12.0	/	10.0
149(5745MHz)	14.14	14.06	12.80	151(5755MHz)	13.22	11.25	155(5775MHz)	9.66
157(5785MHz)	14.04	13.99	12.55	159(5795MHz)	13.14	11.48	/	/
165(5825MHz)	14.18	14.04	12.77	/	/	/	/	/

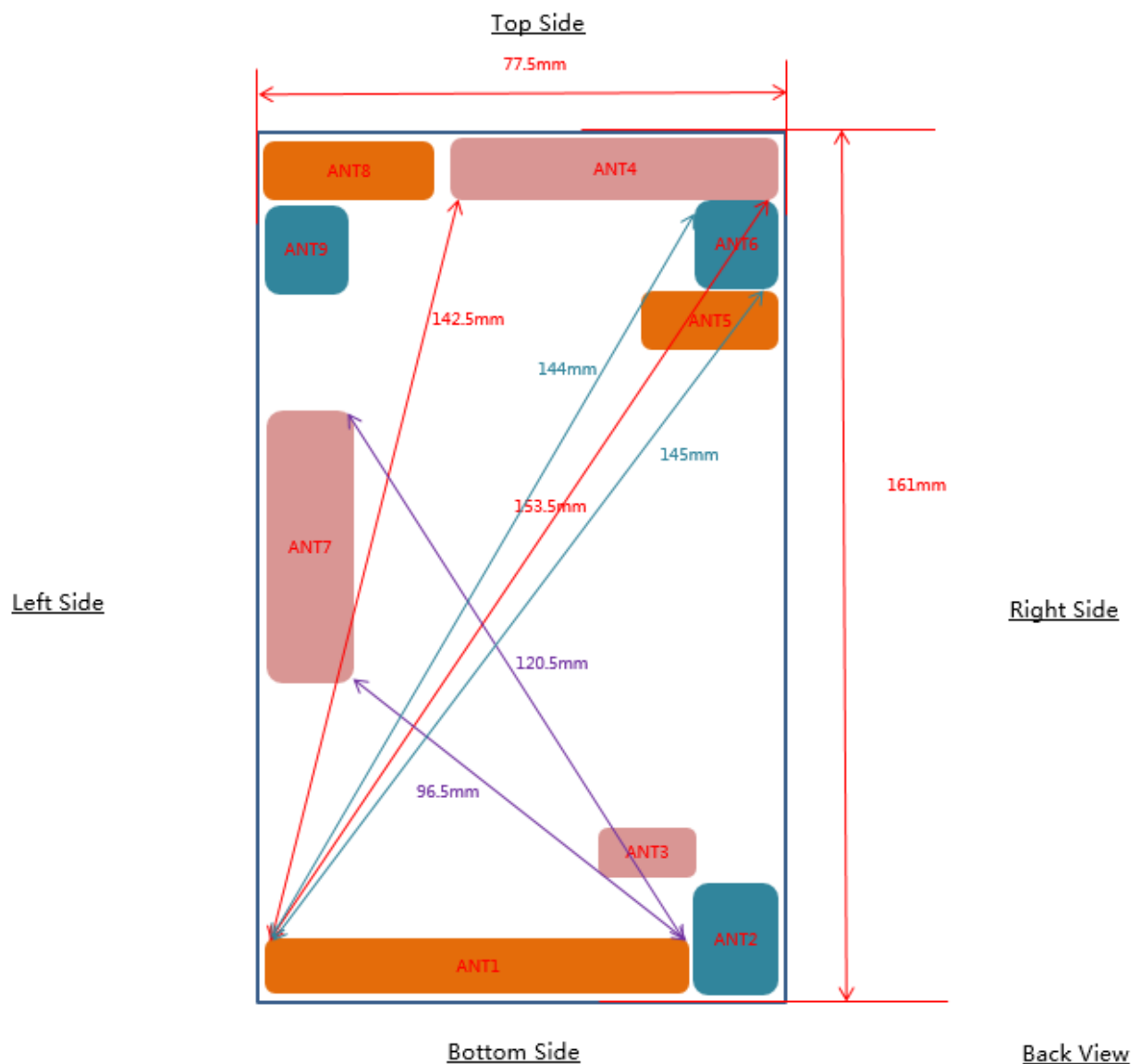
General note: WLAN5GHz 802.11n/ac of Ant.8 and Ant.9 can transmit in MIMO mode, and the power level in MIMO mode are equivalent to SISO mode, so we choose the sum SAR values of 802.11a mode to evaluate simultaneous transmission SAR.

11. Simultaneous TX SAR Considerations

11.1. Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter. For this device, the Bluetooth and WLAN can transmit simultaneous with other transmitters.

11.2. Transmit Antenna Separation Distances



Picture 11.1 Antenna Locations (Back View)

Note:

Antenna	Frequency Bands
Ant.1	WCDMA Band 2/4/5 TX LTE Band 2/4/5/12/13/14/25/26/30/40/66/71 TX ENDC: NR n2/n5/n14/n66/n71 TX
Ant.2	LTE Band 7/38/41 TX ENDC:NR n41 TX
Ant.3	SRS: NR n77 TX
Ant.4	DRX
Ant.5	LTE Band 42/48 TX ENDC: NR n77/n78 TX
Ant.6	UL CA: LTE Band 2/4/30/66 TX ENDC: NR n2/n25/n30/n66/n77 TX SRS: NR n77 TX
Ant.7	SRS: NR n41/n77 TX
Ant.8	WLAN TX
Ant.9	GPS/Bluetooth/WLAN TX

UL CA list:

Band	LTE TX Band	LTE TX Ant.	LTE TX Band	LTE TX Ant.
CA_2A-4A	Band 2	Ant.6	Band 4	Ant.1
CA_2A-5A	Band 2	Ant.6	Band 5	Ant.1
CA_2A-12A	Band 2	Ant.6	Band 12	Ant.1
CA_2A-13A	Band 2	Ant.6	Band 13	Ant.1
CA_2A-66A	Band 2	Ant.1	Band 66	Ant.6
CA_4A-5A	Band 4	Ant.6	Band 5	Ant.1
CA_4A-12A	Band 4	Ant.6	Band 12	Ant.1
CA_4A-13A	Band 4	Ant.6	Band 13	Ant.1
CA_5A-30A	Band 5	Ant.1	Band 30	Ant.6
CA_5A-66A	Band 5	Ant.1	Band 66	Ant.6
CA_12A-30A	Band 12	Ant.1	Band 30	Ant.6
CA_12A-66A	Band 12	Ant.1	Band 66	Ant.6
CA_14A-30A	Band 13	Ant.1	Band 30	Ant.6
CA_5B	Band 5	Ant.1	Band 5	Ant.1
CA_41C	Band 41	Ant.2	Band 41	Ant.2
CA_66B	Band 66	Ant.1	Band 66	Ant.1
CA_66C	Band 66	Ant.1	Band 66	Ant.1

5G ENDC list:

Band	LTE TX Band	LTE TX Ant.	NR TX Band	NR TX Ant.
DC_12A_n25A	Band 12	Ant.1	n25	Ant.6
DC_12A_n2A	Band 12	Ant.1	n2	Ant.6
DC_12A_n30A	Band 12	Ant.1	n30	Ant.6
DC_12A_n66A	Band 12	Ant.1	n66	Ant.6
DC_12A_n77A	Band 12	Ant.1	n77	Ant.3/Ant.5/Ant.6/Ant.7
DC_13A_n2A	Band 13	Ant.1	n2	Ant.6
DC_13A_n66A	Band 13	Ant.1	n66	Ant.6
DC_13A_n77A	Band 13	Ant.1	n77	Ant.3/Ant.5/Ant.6/Ant.7
DC_14A_n2A	Band 14	Ant.1	n2	Ant.6
DC_14A_n30A	Band 14	Ant.1	n30	Ant.6
DC_14A_n66A	Band 14	Ant.1	n66	Ant.6
DC_14A_n77A	Band 14	Ant.1	n77	Ant.3/Ant.5/Ant.6/Ant.7
DC_2A_n5A	Band 2	Ant.6	n5	Ant.1
DC_2A_n66A	Band 2	Ant.6	n66	Ant.1
DC_2A_n71A	Band 2	Ant.6	n71	Ant.1
DC_30A_n2A	Band 30	Ant.6	n2	Ant.1
DC_30A_n5A	Band 30	Ant.6	n5	Ant.1
DC_30A_n66A	Band 30	Ant.1	n66	Ant.6
DC_48A_n5A	Band 48	Ant.5	n5	Ant.1
DC_5A_n2A	Band 5	Ant.1	n2	Ant.6
DC_5A_n30A	Band 5	Ant.1	n30	Ant.6
DC_5A_n66A	Band 5	Ant.1	n66	Ant.6
DC_5A_n77A	Band 5	Ant.1	n77	Ant.3/Ant.5/Ant.6/Ant.7
DC_66A_n41A	Band 66	Ant.1	n41	Ant.2/Ant.7
DC_66A_n5A	Band 66	Ant.6	n5	Ant.1
DC_66A_n71A	Band 66	Ant.6	n71	Ant.1
DC_13A_n78A	Band 13	Ant.1	n78	Ant.5
DC_2A_n78A	Band 2	Ant.1	n78	Ant.5
DC_7A_n78A	Band 7	Ant.2	n78	Ant.5
DC_2A_n14A	Band 2	Ant.6	n14	Ant.1
DC_2A-30A_n66A	Band 2/Band 30	Ant.1	n66	Ant.6
DC_2C_n71A	Band2	Ant.6	n71	Ant.1
DC_66C_n71A	Band 66	Ant.6	n71	Ant.1

General note: For ENDC mode LTE Bands only support DL CA.

11.3. SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 25mm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Antenna	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Ant.1	Yes	Yes	Yes	Yes	No	Yes
Ant.2	Yes	Yes	Yes	Yes	No	Yes
Ant.3	Yes	Yes	Yes	Yes	No	Yes
Ant.5	Yes	Yes	Yes	Yes	Yes	No
Ant.6	Yes	Yes	Yes	Yes	Yes	No
Ant.7	Yes	Yes	Yes	Yes	Yes	No
Ant.8	Yes	Yes	No	Yes	Yes	No
Ant.9	Yes	Yes	No	Yes	Yes	No

12. Evaluation of Simultaneous

According to the KDB 447498 D01, when the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The ratio is determined by $(SAR1 + SAR2)^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion. When 10-g SAR applies, the ratio must be ≤ 0.10 .

No.	Simultaneous Transmission Configuration	Y/N
1	WWAN+ Bluetooth(Ant9)	Y
2	WWAN+2.4GHz WLAN(Ant.8)	Y
3	WWAN+2.4GHz WLAN(Ant.8) +Bluetooth(Ant9)	Y
4	WWAN+2.4GHz WLAN(Ant.9)	Y
5	WWAN+5GHz WLAN(Ant.8)	Y
6	WWAN+5GHz WLAN(Ant.8)+ Bluetooth(Ant9)	Y
7	WWAN+5GHz WLAN(Ant.9)	Y
8	WWAN+5GHz WLAN(Ant.9)+ Bluetooth(Ant9)	Y
9	WWAN+2.4GHz WLAN MIMO(11n)	Y
10	WWAN+5GHz WLAN MIMO(11n)	Y
11	WWAN+5GHz WLAN MIMO(11n)+ Bluetooth(Ant9)	Y
12	WWAN+5GHz WLAN MIMO(11ac)	Y
13	WWAN+5GHz WLAN MIMO(11ac)+ Bluetooth(Ant9)	Y
14	WWAN+2.4GHz WLAN(Ant.8)+ 2.4GHz WLAN(Ant.9)	Y
15	WWAN+5GHz WLAN(Ant.8)+ 5GHz WLAN(Ant.9)	Y
16	WWAN+5GHz WLAN(Ant.8)+ 5GHz WLAN(Ant.9)+ Bluetooth(Ant9)	Y

General note: per TCB workshop April 2022: RF Exposure Procedures page13, we use the sum SAR value of 5G(Ant.8) and 5G(Ant.9) and Bluetooth(Ant9) for SPLSR calculation.

Table 12.1: The sum of SAR values for WWAN and WLAN/Bluetooth Antenna

Hotspot					
Position	WWAN (W/kg)		WLAN + Bluetooth (W/kg)	Sum (W/kg)	SPLSR
Rear (10mm)	LTE Band 4	1.26	0.39	1.65	Yes
Extremity					
Position	WWAN (W/kg)		WLAN (W/kg)	Sum (W/kg)	SPLSR
Rear (0mm)	LTE Band 4	3.39	2.07	5.46	Yes
	LTE Band 66	3.38	2.07	5.45	Yes

SAR to peak Location Separation Ratio (SPLSR)

Band	Position	1g SAR (W/kg)	Gap (cm)	SAR peak location (m)			3D distance (mm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
LTE Band 4	Rear (10mm)	1.26	10	-0.011	0.0825	-0.205	124.3	1.65	0.017	Not required
WLAN+ Bluetooth		0.39	10	0.010	-0.040	-0.205				
Band	Position	10g SAR (W/kg)	Gap (cm)	SAR peak location (m)			3D distance (mm)	Pair SAR sum (W/kg)	SPLSR	Simultaneous SAR
				X	Y	Z				
LTE Band 4	Rear	3.39	0	-0.020	0.072	-0.205	130.0	5.46	0.098	Not required
WLAN	(0mm)	2.07	0	0.019	-0.052	-0.205				
LTE Band 66	Rear	3.38	0	-0.020	0.072	-0.205	130.0	5.45	0.098	Not required
WLAN	(0mm)	2.07	0	0.019	-0.052	-0.205				

Table 12.2: The sum of SAR values for LTE UL CA

Mode	Position	CA_2A-4A		
		LTE Band 2 (W/kg)	LTE Band 4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.13	0.54
	Left Tilt	0.38	0.11	0.49
	Right Cheek	0.58	0.29	0.87
	Right Tilt	0.37	0.18	0.55
Hotspot	Front	0.34	0.11	0.45
	Rear	0.46	0.68	1.14
	Left	0.27	0.07	0.34
	Right	0.04	0.10	0.14
	Top	0.51	0.00	0.51
	Bottom	0.00	0.36	0.36
Body-worn	Front	0.19	0.16	0.35
	Rear	0.24	0.75	0.99
Mode	Position	CA_2A-5A		
		LTE Band 2 (W/kg)	LTE Band 5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.35	0.76
	Left Tilt	0.38	0.13	0.51
	Right Cheek	0.58	0.36	0.94
	Right Tilt	0.37	0.20	0.57
Hotspot	Front	0.34	0.33	0.67
	Rear	0.46	0.46	0.92
	Left	0.27	0.28	0.55
	Right	0.04	0.29	0.33
	Top	0.51	0.00	0.51
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.19	0.33	0.52
	Rear	0.24	0.46	0.70

LTE UL CA

Mode	Position	CA_2A-12A		
		LTE Band 2 (W/kg)	LTE Band 12 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.33	0.74
	Left Tilt	0.38	0.09	0.47
	Right Cheek	0.58	0.33	0.91
	Right Tilt	0.37	0.18	0.55
Hotspot	Front	0.34	0.39	0.73
	Rear	0.46	0.50	0.96
	Left	0.27	0.36	0.63
	Right	0.04	0.40	0.44
	Top	0.51	0.00	0.51
	Bottom	0.00	0.05	0.05
Body-worn	Front	0.19	0.21	0.40
	Rear	0.24	0.29	0.53
Mode	Position	CA_2A-13A		
		LTE Band 2 (W/kg)	LTE Band 13 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.34	0.75
	Left Tilt	0.38	0.11	0.49
	Right Cheek	0.58	0.32	0.90
	Right Tilt	0.37	0.18	0.55
Hotspot	Front	0.34	0.33	0.67
	Rear	0.46	0.48	0.94
	Left	0.27	0.31	0.58
	Right	0.04	0.37	0.41
	Top	0.51	0.00	0.51
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.19	0.33	0.52
	Rear	0.24	0.48	0.72

LTE UL CA

Mode	Position	CA_2A-66A		
		LTE Band 2 (W/kg)	LTE Band 66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.27	0.16	0.43
	Left Tilt	0.16	0.17	0.33
	Right Cheek	0.15	0.30	0.45
	Right Tilt	0.14	0.18	0.32
Hotspot	Front	0.20	0.08	0.28
	Rear	0.61	0.54	1.15
	Left	0.13	0.03	0.16
	Right	0.16	0.08	0.24
	Top	0.00	0.00	0.00
	Bottom	0.28	0.17	0.45
Body-worn	Front	0.10	0.05	0.15
	Rear	0.28	0.25	0.53
Mode	Position	CA_4A-5A		
		LTE Band 4 (W/kg)	LTE Band 5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.49	0.35	0.84
	Left Tilt	0.37	0.13	0.50
	Right Cheek	0.73	0.36	1.09
	Right Tilt	0.35	0.20	0.55
Hotspot	Front	0.24	0.33	0.57
	Rear	0.32	0.46	0.78
	Left	0.26	0.28	0.54
	Right	0.14	0.29	0.43
	Top	0.29	0.00	0.29
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.24	0.33	0.57
	Rear	0.32	0.46	0.78

LTE UL CA

Mode	Position	CA_4A-12A		
		LTE Band 4 (W/kg)	LTE Band 12 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.49	0.33	0.82
	Left Tilt	0.37	0.09	0.46
	Right Cheek	0.73	0.33	1.06
	Right Tilt	0.35	0.18	0.53
Hotspot	Front	0.24	0.39	0.63
	Rear	0.32	0.50	0.82
	Left	0.26	0.36	0.62
	Right	0.14	0.40	0.54
	Top	0.29	0.00	0.29
	Bottom	0.00	0.05	0.05
Body-worn	Front	0.24	0.21	0.45
	Rear	0.32	0.29	0.61
Mode	Position	CA_4A-13A		
		LTE Band 4 (W/kg)	LTE Band 13 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.49	0.34	0.83
	Left Tilt	0.37	0.11	0.48
	Right Cheek	0.73	0.32	1.05
	Right Tilt	0.35	0.18	0.53
Hotspot	Front	0.24	0.33	0.57
	Rear	0.32	0.48	0.80
	Left	0.26	0.31	0.57
	Right	0.14	0.37	0.51
	Top	0.29	0.00	0.29
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.24	0.33	0.57
	Rear	0.32	0.48	0.80

LTE UL CA

Mode	Position	CA_5A-30A		
		LTE Band 5 (W/kg)	LTE Band 30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.41	0.76
	Left Tilt	0.13	0.35	0.48
	Right Cheek	0.36	0.55	0.91
	Right Tilt	0.20	0.39	0.59
Hotspot	Front	0.33	0.28	0.61
	Rear	0.46	0.36	0.82
	Left	0.28	0.30	0.58
	Right	0.29	0.13	0.42
	Top	0.00	0.64	0.64
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.33	0.28	0.61
	Rear	0.46	0.36	0.82
Mode	Position	CA_5A-66A		
		LTE Band 5 (W/kg)	LTE Band 66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.40	0.75
	Left Tilt	0.13	0.32	0.45
	Right Cheek	0.36	0.61	0.97
	Right Tilt	0.20	0.26	0.46
Hotspot	Front	0.33	0.35	0.68
	Rear	0.46	0.48	0.94
	Left	0.28	0.32	0.60
	Right	0.29	0.17	0.46
	Top	0.00	0.38	0.38
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.33	0.24	0.57
	Rear	0.46	0.35	0.81

LTE UL CA

Mode	Position	CA_12A-30A		
		LTE Band 12 (W/kg)	LTE Band 30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.41	0.74
	Left Tilt	0.09	0.35	0.44
	Right Cheek	0.33	0.55	0.88
	Right Tilt	0.18	0.39	0.57
Hotspot	Front	0.39	0.28	0.67
	Rear	0.50	0.36	0.86
	Left	0.36	0.30	0.66
	Right	0.40	0.13	0.53
	Top	0.00	0.64	0.64
	Bottom	0.05	0.00	0.05
Body-worn	Front	0.21	0.28	0.49
	Rear	0.29	0.36	0.65
Mode	Position	CA_12A-66A		
		LTE Band 12 (W/kg)	LTE Band 66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.27	0.16	0.43
	Left Tilt	0.16	0.17	0.33
	Right Cheek	0.15	0.30	0.45
	Right Tilt	0.14	0.18	0.32
Hotspot	Front	0.20	0.08	0.28
	Rear	0.61	0.54	1.15
	Left	0.13	0.03	0.16
	Right	0.16	0.08	0.24
	Top	0.00	0.00	0.00
	Bottom	0.28	0.17	0.45
Body-worn	Front	0.10	0.05	0.15
	Rear	0.28	0.25	0.53

LTE UL CA

Mode	Position	CA_14A-30A		
		LTE Band 14 (W/kg)	LTE Band 30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.24	0.41	0.65
	Left Tilt	0.10	0.35	0.45
	Right Cheek	0.31	0.55	0.86
	Right Tilt	0.17	0.39	0.56
Hotspot	Front	0.34	0.28	0.62
	Rear	0.47	0.36	0.83
	Left	0.34	0.30	0.64
	Right	0.37	0.13	0.50
	Top	0.00	0.64	0.64
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.34	0.28	0.62
	Rear	0.47	0.36	0.83

Table 12.3: The sum of SAR values for ENDC

Mode	Position	DC_12A_n25A		
		LTE Band 12 (W/kg)	NR n25 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.62	0.95
	Left Tilt	0.09	0.57	0.66
	Right Cheek	0.33	0.76	1.09
	Right Tilt	0.18	0.59	0.77
Hotspot	Front	0.39	0.28	0.67
	Rear	0.50	0.40	0.90
	Left	0.36	0.19	0.55
	Right	0.40	0.04	0.44
	Top	0.00	0.43	0.43
	Bottom	0.05	0.00	0.05
Body-worn	Front	0.21	0.28	0.49
	Rear	0.29	0.40	0.69
Mode	Position	DC_12A_n2A		
		LTE Band 12 (W/kg)	NR n2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.58	0.91
	Left Tilt	0.09	0.52	0.61
	Right Cheek	0.33	0.77	1.10
	Right Tilt	0.18	0.51	0.69
Hotspot	Front	0.39	0.22	0.61
	Rear	0.50	0.33	0.83
	Left	0.36	0.18	0.54
	Right	0.40	0.12	0.52
	Top	0.00	0.35	0.35
	Bottom	0.05	0.00	0.05
Body-worn	Front	0.21	0.22	0.43
	Rear	0.29	0.33	0.62

ENDC

Mode	Position	DC_12A_n30A		
		LTE Band 12 (W/kg)	NR n30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.58	0.91
	Left Tilt	0.09	0.48	0.57
	Right Cheek	0.33	0.67	1.00
	Right Tilt	0.18	0.56	0.74
Hotspot	Front	0.39	0.27	0.66
	Rear	0.50	0.37	0.87
	Left	0.36	0.25	0.61
	Right	0.40	0.08	0.48
	Top	0.00	0.66	0.66
	Bottom	0.05	0.00	0.05
Body-worn	Front	0.21	0.27	0.48
	Rear	0.29	0.37	0.66
Mode	Position	DC_12A_n66A		
		LTE Band 12 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.38	0.71
	Left Tilt	0.09	0.31	0.40
	Right Cheek	0.33	0.65	0.98
	Right Tilt	0.18	0.29	0.47
Hotspot	Front	0.39	0.21	0.60
	Rear	0.50	0.32	0.82
	Left	0.36	0.24	0.60
	Right	0.40	0.12	0.52
	Top	0.00	0.31	0.31
	Bottom	0.05	0.00	0.05
Body-worn	Front	0.21	0.21	0.42
	Rear	0.29	0.32	0.61

ENDC

Mode	Position	DC_12A_n77A		
		LTE Band 12 (W/kg)	NR n77 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.33	0.41	0.74
	Left Tilt	0.09	0.18	0.27
	Right Cheek	0.33	0.76	1.09
	Right Tilt	0.18	0.27	0.45
Hotspot	Front	0.39	0.30	0.69
	Rear	0.50	0.67	1.17
	Left	0.36	0.40	0.76
	Right	0.40	0.76	1.16
	Top	0.00	0.18	0.18
	Bottom	0.05	0.10	0.15
Body-worn	Front	0.21	0.20	0.41
	Rear	0.29	0.57	0.86
Mode	Position	DC_13A_n2A		
		LTE Band 13 (W/kg)	NR n2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.34	0.58	0.92
	Left Tilt	0.11	0.52	0.63
	Right Cheek	0.32	0.77	1.09
	Right Tilt	0.18	0.51	0.69
Hotspot	Front	0.33	0.22	0.55
	Rear	0.48	0.33	0.81
	Left	0.31	0.18	0.49
	Right	0.37	0.12	0.49
	Top	0.00	0.35	0.35
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.33	0.22	0.55
	Rear	0.48	0.33	0.81

ENDC

Mode	Position	DC_13A_n66A		
		LTE Band 13 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.34	0.38	0.72
	Left Tilt	0.11	0.31	0.42
	Right Cheek	0.32	0.65	0.97
	Right Tilt	0.18	0.29	0.47
Hotspot	Front	0.33	0.21	0.54
	Rear	0.48	0.32	0.80
	Left	0.31	0.24	0.55
	Right	0.37	0.12	0.49
	Top	0.00	0.31	0.31
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.33	0.21	0.54
	Rear	0.48	0.32	0.80
Mode	Position	DC_13A_n77A		
		LTE Band 13 (W/kg)	NR n77 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.34	0.41	0.75
	Left Tilt	0.11	0.18	0.29
	Right Cheek	0.32	0.76	1.08
	Right Tilt	0.18	0.27	0.45
Hotspot	Front	0.33	0.30	0.63
	Rear	0.48	0.67	1.15
	Left	0.31	0.40	0.71
	Right	0.37	0.76	1.13
	Top	0.00	0.18	0.18
	Bottom	0.06	0.10	0.16
Body-worn	Front	0.33	0.20	0.53
	Rear	0.48	0.57	1.05

ENDC

Mode	Position	DC_14A_n2A		
		LTE Band 14 (W/kg)	NR n2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.24	0.58	0.82
	Left Tilt	0.10	0.52	0.62
	Right Cheek	0.31	0.77	1.08
	Right Tilt	0.17	0.51	0.68
Hotspot	Front	0.34	0.22	0.56
	Rear	0.47	0.33	0.80
	Left	0.34	0.18	0.52
	Right	0.37	0.12	0.49
	Top	0.00	0.35	0.35
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.34	0.22	0.56
	Rear	0.47	0.33	0.80
Mode	Position	DC_14A_n30A		
		LTE Band 14 (W/kg)	NR n30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.24	0.58	0.82
	Left Tilt	0.10	0.48	0.58
	Right Cheek	0.31	0.67	0.98
	Right Tilt	0.17	0.56	0.73
Hotspot	Front	0.34	0.27	0.61
	Rear	0.47	0.37	0.84
	Left	0.34	0.25	0.59
	Right	0.37	0.08	0.45
	Top	0.00	0.66	0.66
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.34	0.27	0.61
	Rear	0.47	0.37	0.84

ENDC

Mode	Position	DC_14A_n66A		
		LTE Band 14 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.24	0.38	0.62
	Left Tilt	0.10	0.31	0.41
	Right Cheek	0.31	0.65	0.96
	Right Tilt	0.17	0.29	0.46
Hotspot	Front	0.34	0.21	0.55
	Rear	0.47	0.32	0.79
	Left	0.34	0.24	0.58
	Right	0.37	0.12	0.49
	Top	0.00	0.31	0.31
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.34	0.21	0.55
	Rear	0.47	0.32	0.79
Mode	Position	DC_14A_n77A		
		LTE Band 14 (W/kg)	NR n77 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.24	0.41	0.65
	Left Tilt	0.10	0.18	0.28
	Right Cheek	0.31	0.76	1.07
	Right Tilt	0.17	0.27	0.44
Hotspot	Front	0.34	0.30	0.64
	Rear	0.47	0.67	1.14
	Left	0.34	0.40	0.74
	Right	0.37	0.76	1.13
	Top	0.00	0.18	0.18
	Bottom	0.06	0.10	0.16
Body-worn	Front	0.34	0.20	0.54
	Rear	0.47	0.57	1.04

ENDC

Mode	Position	DC_2A_n5A		
		LTE Band 2 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.35	0.76
	Left Tilt	0.38	0.17	0.55
	Right Cheek	0.58	0.35	0.93
	Right Tilt	0.37	0.17	0.54
Hotspot	Front	0.34	0.31	0.65
	Rear	0.46	0.46	0.92
	Left	0.27	0.27	0.54
	Right	0.04	0.30	0.34
	Top	0.51	0.00	0.51
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.19	0.25	0.44
	Rear	0.24	0.40	0.64
Mode	Position	DC_2A_n66A		
		LTE Band 2 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.35	0.76
	Left Tilt	0.38	0.25	0.63
	Right Cheek	0.58	0.35	0.93
	Right Tilt	0.37	0.23	0.60
Hotspot	Front	0.34	0.11	0.45
	Rear	0.46	0.66	1.12
	Left	0.27	0.09	0.36
	Right	0.04	0.10	0.14
	Top	0.51	0.00	0.51
	Bottom	0.00	0.30	0.30
Body-worn	Front	0.19	0.12	0.31
	Rear	0.24	0.48	0.72

ENDC

Mode	Position	DC_2A_n71A		
		LTE Band 2 (W/kg)	NR n71 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.29	0.70
	Left Tilt	0.38	0.13	0.51
	Right Cheek	0.58	0.27	0.85
	Right Tilt	0.37	0.12	0.49
Hotspot	Front	0.34	0.29	0.63
	Rear	0.46	0.38	0.84
	Left	0.27	0.26	0.53
	Right	0.04	0.29	0.33
	Top	0.51	0.00	0.51
	Bottom	0.00	0.04	0.04
Body-worn	Front	0.19	0.29	0.48
	Rear	0.24	0.38	0.62
Mode	Position	DC_30A_n2A		
		LTE Band 30 (W/kg)	NR n2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.26	0.67
	Left Tilt	0.35	0.47	0.82
	Right Cheek	0.55	0.25	0.80
	Right Tilt	0.39	0.16	0.55
Hotspot	Front	0.28	0.18	0.46
	Rear	0.36	0.56	0.92
	Left	0.30	0.13	0.43
	Right	0.13	0.15	0.28
	Top	0.64	0.00	0.64
	Bottom	0.00	0.25	0.25
Body-worn	Front	0.28	0.10	0.38
	Rear	0.36	0.32	0.68

ENDC

Mode	Position	DC_30A_n5A		
		LTE Band 30 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.35	0.76
	Left Tilt	0.35	0.17	0.52
	Right Cheek	0.55	0.35	0.90
	Right Tilt	0.39	0.17	0.56
Hotspot	Front	0.28	0.31	0.59
	Rear	0.36	0.46	0.82
	Left	0.30	0.27	0.57
	Right	0.13	0.30	0.43
	Top	0.64	0.00	0.64
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.28	0.25	0.53
	Rear	0.36	0.40	0.76
Mode	Position	DC_30A_n66A		
		LTE Band 30 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.09	0.38	0.47
	Left Tilt	0.13	0.31	0.44
	Right Cheek	0.17	0.65	0.82
	Right Tilt	0.09	0.29	0.38
Hotspot	Front	0.41	0.21	0.62
	Rear	0.56	0.32	0.88
	Left	0.13	0.24	0.37
	Right	0.24	0.12	0.36
	Top	0.00	0.31	0.31
	Bottom	0.46	0.00	0.46
Body-worn	Front	0.41	0.21	0.62
	Rear	0.56	0.32	0.88

ENDC

Mode	Position	DC_48A_n5A		
		LTE Band 48 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.12	0.35	0.47
	Left Tilt	0.07	0.17	0.24
	Right Cheek	0.20	0.35	0.55
	Right Tilt	0.08	0.17	0.25
Hotspot	Front	0.02	0.31	0.33
	Rear	0.58	0.46	1.04
	Left	0.12	0.27	0.39
	Right	0.01	0.30	0.31
	Top	0.03	0.00	0.03
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.03	0.25	0.28
	Rear	0.61	0.40	1.01
Mode	Position	DC_5A_n2A		
		LTE Band 5 (W/kg)	NR n2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.58	0.93
	Left Tilt	0.13	0.52	0.65
	Right Cheek	0.36	0.77	1.13
	Right Tilt	0.20	0.51	0.71
Hotspot	Front	0.33	0.22	0.55
	Rear	0.46	0.33	0.79
	Left	0.28	0.18	0.46
	Right	0.29	0.12	0.41
	Top	0.00	0.35	0.35
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.33	0.22	0.55
	Rear	0.46	0.33	0.79

ENDC

Mode	Position	DC_5A_n30A		
		LTE Band 5 (W/kg)	NR n30 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.58	0.93
	Left Tilt	0.13	0.48	0.61
	Right Cheek	0.36	0.67	1.03
	Right Tilt	0.20	0.56	0.76
Hotspot	Front	0.33	0.27	0.60
	Rear	0.46	0.37	0.83
	Left	0.28	0.25	0.53
	Right	0.29	0.08	0.37
	Top	0.00	0.66	0.66
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.33	0.27	0.60
	Rear	0.46	0.37	0.83
Mode	Position	DC_5A_n66A		
		LTE Band 5 (W/kg)	NR n66 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.38	0.73
	Left Tilt	0.13	0.31	0.44
	Right Cheek	0.36	0.65	1.01
	Right Tilt	0.20	0.29	0.49
Hotspot	Front	0.33	0.21	0.54
	Rear	0.46	0.32	0.78
	Left	0.28	0.24	0.52
	Right	0.29	0.12	0.41
	Top	0.00	0.31	0.31
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.33	0.21	0.54
	Rear	0.46	0.32	0.78

ENDC

Mode	Position	DC_5A_n77A		
		LTE Band 5 (W/kg)	NR n77 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.41	0.76
	Left Tilt	0.13	0.18	0.31
	Right Cheek	0.36	0.76	1.12
	Right Tilt	0.20	0.27	0.47
Hotspot	Front	0.33	0.30	0.63
	Rear	0.46	0.67	1.13
	Left	0.28	0.40	0.68
	Right	0.29	0.76	1.05
	Top	0.00	0.18	0.18
	Bottom	0.09	0.10	0.19
Body-worn	Front	0.33	0.20	0.53
	Rear	0.46	0.57	1.03
Mode	Position	DC_66A_n41A		
		LTE Band 66 (W/kg)	NR n41 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.16	0.65	0.81
	Left Tilt	0.17	0.20	0.37
	Right Cheek	0.30	0.70	1.00
	Right Tilt	0.18	0.38	0.56
Hotspot	Front	0.08	0.37	0.45
	Rear	0.54	0.61	1.15
	Left	0.03	0.50	0.53
	Right	0.08	0.70	0.78
	Top	0.00	0.02	0.02
	Bottom	0.17	0.13	0.30
Body-worn	Front	0.05	0.36	0.41
	Rear	0.25	0.78	1.03

ENDC

Mode	Position	DC_66A_n5A		
		LTE Band 66 (W/kg)	NR n5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.40	0.35	0.75
	Left Tilt	0.32	0.17	0.49
	Right Cheek	0.61	0.35	0.96
	Right Tilt	0.26	0.17	0.43
Hotspot	Front	0.35	0.31	0.66
	Rear	0.48	0.46	0.94
	Left	0.32	0.27	0.59
	Right	0.17	0.30	0.47
	Top	0.38	0.00	0.38
	Bottom	0.00	0.09	0.09
Body-worn	Front	0.24	0.25	0.49
	Rear	0.35	0.40	0.75
Mode	Position	DC_66A_n71A		
		LTE Band 66 (W/kg)	NR n71 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.40	0.29	0.69
	Left Tilt	0.32	0.13	0.45
	Right Cheek	0.61	0.27	0.88
	Right Tilt	0.26	0.12	0.38
Hotspot	Front	0.35	0.29	0.64
	Rear	0.48	0.38	0.86
	Left	0.32	0.26	0.58
	Right	0.17	0.29	0.46
	Top	0.38	0.00	0.38
	Bottom	0.00	0.04	0.04
Body-worn	Front	0.12	0.29	0.41
	Rear	0.56	0.38	0.94

ENDC

Mode	Position	DC_13A_n78A		
		LTE Band 13 (W/kg)	NR n78 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.34	0.13	0.47
	Left Tilt	0.11	0.08	0.19
	Right Cheek	0.32	0.25	0.57
	Right Tilt	0.18	0.14	0.32
Hotspot	Front	0.33	0.02	0.35
	Rear	0.48	0.51	0.99
	Left	0.31	0.19	0.50
	Right	0.37	0.01	0.38
	Top	0.00	0.04	0.04
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.33	0.01	0.34
	Rear	0.48	0.48	0.96
Mode	Position	DC_2A_n78A		
		LTE Band 2 (W/kg)	NR n78 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.27	0.13	0.40
	Left Tilt	0.16	0.08	0.24
	Right Cheek	0.15	0.25	0.40
	Right Tilt	0.14	0.14	0.28
Hotspot	Front	0.20	0.02	0.22
	Rear	0.61	0.51	1.12
	Left	0.13	0.19	0.32
	Right	0.16	0.01	0.17
	Top	0.00	0.04	0.04
	Bottom	0.28	0.00	0.28
Body-worn	Front	0.10	0.01	0.11
	Rear	0.28	0.48	0.76

ENDC

Mode	Position	DC_7A_n78A		
		LTE Band 7 (W/kg)	NR n78 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.13	0.54
	Left Tilt	0.11	0.08	0.19
	Right Cheek	0.21	0.25	0.46
	Right Tilt	0.20	0.14	0.34
Hotspot	Front	0.29	0.02	0.31
	Rear	0.61	0.51	1.12
	Left	0.37	0.19	0.56
	Right	0.37	0.01	0.38
	Top	0.00	0.04	0.04
	Bottom	0.09	0.00	0.09
Body-worn	Front	0.10	0.01	0.11
	Rear	0.28	0.48	0.76
Mode	Position	DC_2A_n14A		
		LTE Band 2 (W/kg)	NR n14 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.41	0.24	0.65
	Left Tilt	0.38	0.12	0.50
	Right Cheek	0.58	0.25	0.83
	Right Tilt	0.37	0.14	0.51
Hotspot	Front	0.34	0.27	0.61
	Rear	0.46	0.40	0.86
	Left	0.27	0.26	0.53
	Right	0.04	0.32	0.36
	Top	0.51	0.00	0.51
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.19	0.24	0.43
	Rear	0.24	0.40	0.64

Table 13.4: The sum of SAR values for WWAN 2.4GHz Ant.8 and WWAN 2.4GHz Ant.9

Mode	Position	WWAN 2.4GHz Ant.8 (W/kg)	WWAN 2.4GHz Ant.9 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.27	0.32	0.59
	Left Tilt	0.19	0.16	0.35
	Right Cheek	0.16	0.19	0.35
	Right Tilt	0.11	0.17	0.28
Hotspot	Front	0.04	0.09	0.13
	Rear	0.13	0.20	0.33
	Left	0.00	0.00	0.00
	Right	0.05	0.16	0.21
	Top	0.05	0.11	0.16
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.12	0.16
	Rear	0.13	0.25	0.38

Note: The SAR results only for WLAN/Bluetooth + WWAN simultaneous transmission.

Table 13.5: The sum of SAR values for WWAN 5GHz Ant.8 and WWAN 5GHz Ant.9 and Bluetooth Ant.9

Mode	Position	WWAN 5GHz Ant.8 (W/kg)	WWAN 5GHz Ant.9 (W/kg)	Bluetooth Ant.9 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.26	0.28	0.07	0.61
	Left Tilt	0.29	0.18	0.05	0.52
	Right Cheek	0.22	0.12	0.04	0.38
	Right Tilt	0.25	0.12	0.05	0.42
Hotspot	Front	0.08	0.04	0.02	0.14
	Rear	0.02	0.34	0.03	0.39
	Left	0.00	0.00	0.00	0.00
	Right	0.03	0.22	0.01	0.26
	Top	0.11	0.04	0.03	0.18
	Bottom	0.00	0.00	0.00	0.00
Body-worn	Front	0.08	0.06	0.02	0.16
	Rear	0.01	0.49	0.02	0.52

Note: The SAR results only for WLAN/Bluetooth + WWAN simultaneous transmission.

Table 12.6: The sum of reported SAR values for WWAN and WLAN/Bluetooth antenna

<i>I</i>	Position	WWAN (W/kg)	WLAN + Bluetooth (W/kg)	Sum (W/kg)
Highest reported SAR value for Head	Left Cheek	0.95 (DC_12A_n25A)	0.61	1.56
Highest reported SAR value for Hotspot	Rear Side	1.20 (LTE Band 66)	0.39	1.59
Highest reported SAR value for Body-worn	Rear Side	1.05 (DC_13A_n77A)	0.52	1.57

Note: the test positions of above tables are for the worse case that has been evaluated.

Conclusion:

According to the above tables, the sum of reported SAR values is less than limit. So the simultaneous transmission SAR with volume scans is not required.

13. Summary of Test Results

According to the client's decision rule in the test registration form, which is "based on the measurement results as the basis of the conformity statement", the test conclusion of this report meets the limit requirements.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 10.

General Note:

1. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

a. WLAN5GHz U-NII-2A and U-NII-2C tested the product specific 10g SAR since it has no hotspot mode.

b. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.

Duty Cycle

Mode	Duty Cycle
WCDMA	1:1
FDD_LTE	1:1
TDD_LTE	1:1.58/1:2.31
5G NR	1:1
Bluetooth	1:1
WLAN	1:1

13.1. Testing Environment

Temperature:	18°C~25°C
Relative humidity:	30%~70%
Ground system resistance:	<4Ω
Ambient noise & Reflection:	< 0.012 W/kg

13.2. Test result for 2G/3G/4G

Table 13.1: SAR Values (WCDMA Band 2 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
9400	1880.0	RMC	Left Cheek	/	23.30	24.0	0.277	0.33	0.08
9400	1880.0	RMC	Left Tilt	/	23.30	24.0	0.203	0.24	0.08
9400	1880.0	RMC	Right Cheek	1	23.30	24.0	0.300	0.35	0.05
9400	1880.0	RMC	Right Tilt	/	23.30	24.0	0.224	0.26	-0.01

Table 13.2: SAR Values (WCDMA Band 2 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
9400	1880.0	RMC	Front	/	23.30	24.0	0.382	0.45	0.06
9400	1880.0	RMC	Rear	/	23.30	24.0	0.852	1.00	0.01
9400	1880.0	RMC	Left	/	23.30	24.0	0.292	0.34	0.03
9400	1880.0	RMC	Right	/	23.30	24.0	0.268	0.31	0.14
9400	1880.0	RMC	Bottom	/	23.30	24.0	0.412	0.48	0.02
9538	1907.6	RMC	Rear	/	23.30	24.0	0.719	0.84	-0.04
9262	1852.4	RMC	Rear	2	23.30	24.0	0.871	1.02	-0.02
Body-Worn Test Data (15mm) - Power Level C1									
9400	1880.0	RMC	Front	/	23.30	24.0	0.192	0.23	0.08
9400	1880.0	RMC	Rear	/	23.30	24.0	0.364	0.43	0.01

Table 13.3: SAR Values (WCDMA Band 4 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
1413	1732.6	RMC	Left Cheek	/	23.30	24.0	0.202	0.24	0.04
1413	1732.6	RMC	Left Tilt	/	23.30	24.0	0.177	0.21	0.01
1413	1732.6	RMC	Right Cheek	3	23.30	24.0	0.265	0.31	0.03
1413	1732.6	RMC	Right Tilt	/	23.30	24.0	0.235	0.28	0.13

Table 13.4: SAR Values (WCDMA Band 4 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
1413	1732.6	RMC	Front	/	20.40	21.0	0.147	0.17	0.06
1413	1732.6	RMC	Rear	4	20.40	21.0	1.040	1.19	0.04
1413	1732.6	RMC	Left	/	20.40	21.0	0.112	0.13	-0.06
1413	1732.6	RMC	Right	/	20.40	21.0	0.102	0.12	-0.05
1413	1732.6	RMC	Bottom	/	20.40	21.0	0.552	0.63	-0.02
1513	1752.6	RMC	Rear	/	20.50	21.0	0.820	0.92	-0.03
1312	1712.4	RMC	Rear	/	20.50	21.0	0.933	1.05	-0.19
Body-Worn Test Data (15mm) - Power Level C1									
1413	1732.6	RMC	Front	/	20.40	21.0	0.196	0.23	0.03
1413	1732.6	RMC	Rear	/	20.40	21.0	0.565	0.65	0.10

Table 13.5: SAR Values (WCDMA Band 5 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
4183	836.6	RMC	Left Cheek	/	23.50	24.0	0.395	0.44	0.12
4183	836.6	RMC	Left Tilt	/	23.50	24.0	0.202	0.23	0.09
4183	836.6	RMC	Right Cheek	5	23.50	24.0	0.407	0.46	0.06
4183	836.6	RMC	Right Tilt	/	23.50	24.0	0.206	0.23	0.13

Table 13.6: SAR Values (WCDMA Band 5 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
4183	836.6	RMC	Front	/	23.50	24.0	0.144	0.16	0.11
4183	836.6	RMC	Rear	6	23.50	24.0	0.461	0.52	0.02
4183	836.6	RMC	Left	/	23.50	24.0	0.345	0.39	0.02
4183	836.6	RMC	Right	/	23.50	24.0	0.343	0.38	0.17
4183	836.6	RMC	Bottom	/	23.50	24.0	0.106	0.12	0.03
Body-Worn Test Data (10mm) - Power Level C1									
4183	836.6	RMC	Front	/	23.50	24.0	0.144	0.16	0.11
4183	836.6	RMC	Rear	/	23.50	24.0	0.461	0.52	0.02

Table 13.7: SAR Values (LTE Band 2 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
18700	1860.0	1RB0	Left Cheek	7	22.99	24.0	0.216	0.27	-0.01
18700	1860.0	50RB0	Left Cheek	/	22.07	23.0	0.175	0.22	0.05
18700	1860.0	1RB0	Left Tilt	/	22.99	24.0	0.130	0.16	0.01
18700	1860.0	50RB0	Left Tilt	/	22.07	23.0	0.105	0.13	0.19
18700	1860.0	1RB0	Right Cheek	/	22.99	24.0	0.118	0.15	0.05
18700	1860.0	50RB0	Right Cheek	/	22.07	23.0	0.095	0.12	0.07
18700	1860.0	1RB0	Right Tilt	/	22.99	24.0	0.108	0.14	0.18
18700	1860.0	50RB0	Right Tilt	/	22.07	23.0	0.088	0.11	0.04

Table 13.8: SAR Values (LTE Band 2 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
18700	1860.0	1RB0	Front	/	22.99	24.0	0.242	0.31	0.05
18700	1860.0	50RB0	Front	/	22.07	23.0	0.202	0.25	0.03
18700	1860.0	1RB0	Rear	8	22.99	24.0	0.720	0.91	-0.16
18700	1860.0	50RB0	Rear	/	22.07	23.0	0.618	0.77	0.13
18700	1860.0	1RB0	Left	/	22.99	24.0	0.156	0.20	0.06
18700	1860.0	50RB0	Left	/	22.07	23.0	0.126	0.16	0.03
18700	1860.0	1RB0	Right	/	22.99	24.0	0.191	0.24	0.04
18700	1860.0	50RB0	Right	/	22.07	23.0	0.152	0.19	0.01
18700	1860.0	1RB0	Bottom	/	22.99	24.0	0.335	0.42	0.03
18700	1860.0	50RB0	Bottom	/	22.07	23.0	0.270	0.33	0.08
19100	1900.0	1RB0	Rear	/	22.85	24.0	0.689	0.90	0.12
18900	1880.0	1RB0	Rear	/	22.89	24.0	0.698	0.90	0.15
18700	1860.0	100RB	Rear	/	22.02	23.0	0.588	0.74	0.17
Body-Worn Test Data (10mm) - Power Level C1									
18700	1860.0	1RB0	Front	/	22.99	24.0	0.242	0.31	0.05
18700	1860.0	50RB0	Front	/	22.07	23.0	0.202	0.25	0.03
18700	1860.0	1RB0	Rear	/	22.99	24.0	0.720	0.91	-0.16
18700	1860.0	50RB0	Rear	/	22.07	23.0	0.618	0.77	0.13
19100	1900.0	1RB0	Rear	/	22.85	24.0	0.689	0.90	0.12
18900	1880.0	1RB0	Rear	/	22.89	24.0	0.698	0.90	0.15
18700	1860.0	100RB	Rear	/	22.02	23.0	0.588	0.74	0.17

Table 13.9: SAR Values (LTE Band 2 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
18700	1860.0	1RB0	Front	/	20.87	22.0	0.158	0.20	-0.02
18700	1860.0	50RB0	Front	/	19.83	21.0	0.131	0.17	-0.03
18700	1860.0	1RB0	Rear	/	20.87	22.0	0.468	0.61	0.03
18700	1860.0	50RB0	Rear	/	19.83	21.0	0.357	0.47	0.02
18700	1860.0	1RB0	Left	/	20.87	22.0	0.101	0.13	0.15
18700	1860.0	50RB0	Left	/	19.83	21.0	0.082	0.11	-0.08
18700	1860.0	1RB0	Right	/	20.87	22.0	0.124	0.16	0.10
18700	1860.0	50RB0	Right	/	19.83	21.0	0.099	0.13	-0.01
18700	1860.0	1RB0	Bottom	/	20.87	22.0	0.218	0.28	0.11
18700	1860.0	50RB0	Bottom	/	19.83	21.0	0.176	0.23	0.19
Body-Worn Test Data (15mm) - Power Level C2									
18700	1860.0	1RB0	Front	/	20.87	22.0	0.077	0.10	-0.08
18700	1860.0	50RB0	Front	/	19.83	21.0	0.062	0.08	-0.02
18700	1860.0	1RB0	Rear	/	20.87	22.0	0.214	0.28	-0.18
18700	1860.0	50RB0	Rear	/	19.83	21.0	0.185	0.24	0.16

Table 13.10: SAR Values (LTE Band 2 - Head) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
18700	1860.0	1RB99	Left Cheek	/	20.68	21.0	0.382	0.41	0.04
19100	1900.0	50RB50	Left Cheek	/	20.61	21.0	0.373	0.41	0.01
18700	1860.0	1RB99	Left Tilt	/	20.68	21.0	0.354	0.38	-0.14
19100	1900.0	50RB50	Left Tilt	/	20.61	21.0	0.340	0.37	-0.01
18700	1860.0	1RB99	Right Cheek	/	20.68	21.0	0.543	0.58	0.06
19100	1900.0	50RB50	Right Cheek	/	20.61	21.0	0.497	0.54	0.00
18700	1860.0	1RB99	Right Tilt	/	20.68	21.0	0.348	0.37	0.17
19100	1900.0	50RB50	Right Tilt	/	20.61	21.0	0.289	0.32	-0.04

Table 13.11: SAR Values (LTE Band 2 - Body) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
18700	1860.0	1RB99	Front	/	23.69	24.0	0.233	0.25	0.04
19100	1900.0	50RB50	Front	/	23.63	24.0	0.315	0.34	-0.10
18700	1860.0	1RB99	Rear	/	23.69	24.0	0.367	0.39	0.04
19100	1900.0	50RB50	Rear	/	23.63	24.0	0.420	0.46	-0.03
18700	1860.0	1RB99	Left	/	23.69	24.0	0.255	0.27	0.02
19100	1900.0	50RB50	Left	/	23.63	24.0	0.217	0.24	-0.05
18700	1860.0	1RB99	Right	/	23.69	24.0	0.034	0.04	0.09
19100	1900.0	50RB50	Right	/	23.63	24.0	0.031	0.03	0.14
18700	1860.0	1RB99	Top	/	23.69	24.0	0.410	0.44	0.00
19100	1900.0	50RB50	Top	/	23.63	24.0	0.470	0.51	0.19
Body-Worn Test Data (15mm) - Power Level C2									
18700	1860.0	1RB99	Front	/	23.69	24.0	0.151	0.16	0.03
19100	1900.0	50RB50	Front	/	23.63	24.0	0.172	0.19	-0.02
18700	1860.0	1RB99	Rear	/	23.69	24.0	0.202	0.22	0.01
19100	1900.0	50RB50	Rear	/	23.63	24.0	0.221	0.24	0.05

Table 13.12: SAR Values (LTE Band 4 - Head) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
20300	1745.0	1RB0	Left Cheek	/	22.88	24.0	0.104	0.13	0.08
20300	1745.0	50RB25	Left Cheek	/	21.87	23.0	0.096	0.12	0.06
20300	1745.0	1RB0	Left Tilt	/	22.88	24.0	0.084	0.11	0.09
20300	1745.0	50RB25	Left Tilt	/	21.87	23.0	0.073	0.09	0.12
20300	1745.0	1RB0	Right Cheek	9	22.88	24.0	0.227	0.29	0.02
20300	1745.0	50RB25	Right Cheek	/	21.87	23.0	0.181	0.23	0.03
20300	1745.0	1RB0	Right Tilt	/	22.88	24.0	0.137	0.18	0.06
20300	1745.0	50RB25	Right Tilt	/	21.87	23.0	0.114	0.15	0.02

Table 13.13: SAR Values (LTE Band 4 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
20300	1745.0	1RB0	Front	/	20.73	22.0	0.132	0.18	0.11
20050	1720.0	50RB25	Front	/	19.85	21.0	0.117	0.15	0.18
20300	1745.0	1RB0	Rear	/	20.73	22.0	0.841	1.13	0.11
20050	1720.0	50RB25	Rear	/	19.85	21.0	0.763	0.99	0.02
20300	1745.0	1RB0	Left	/	20.73	22.0	0.088	0.12	0.02
20050	1720.0	50RB25	Left	/	19.85	21.0	0.066	0.09	0.17
20300	1745.0	1RB0	Right	/	20.73	22.0	0.120	0.16	0.05
20050	1720.0	50RB25	Right	/	19.85	21.0	0.078	0.10	0.03
20300	1745.0	1RB0	Bottom	/	20.73	22.0	0.447	0.60	0.06
20050	1720.0	50RB25	Bottom	/	19.85	21.0	0.378	0.49	0.05
20170	1732.5	1RB0	Rear	/	20.70	22.0	0.915	1.23	-0.04
20050	1720.0	1RB0	Rear	10	20.72	22.0	0.942	1.26	0.02
20300	1745.0	50RB25	Rear	/	19.79	21.0	0.722	0.95	0.19
20170	1732.5	50RB25	Rear	/	19.82	21.0	0.724	0.95	0.07
20300	1745.0	100RB	Rear	/	19.82	21.0	0.707	0.93	0.19
Body-Worn Test Data (15mm) - Power Level C1									
20300	1745.0	1RB0	Front	/	21.87	23.0	0.126	0.16	0.09
20300	1745.0	50RB25	Front	/	20.81	22.0	0.096	0.13	0.09
20300	1745.0	1RB0	Rear	/	21.87	23.0	0.580	0.75	0.02
20300	1745.0	50RB25	Rear	/	20.81	22.0	0.508	0.67	0.11

Table 13.14: SAR Values (LTE Band 4 - Body) – Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
20300	1745.0	1RB0	Front	/	17.52	19.0	0.075	0.11	-0.07
20050	1720.0	50RB25	Front	/	16.52	18.0	0.067	0.09	-0.08
20300	1745.0	1RB0	Rear	/	17.52	19.0	0.481	0.68	0.04
20050	1720.0	50RB25	Rear	/	16.52	18.0	0.396	0.56	0.06
20300	1745.0	1RB0	Left	/	17.52	19.0	0.050	0.07	-0.08
20050	1720.0	50RB25	Left	/	16.52	18.0	0.038	0.05	-0.06
20300	1745.0	1RB0	Right	/	17.52	19.0	0.069	0.10	-0.13
20050	1720.0	50RB25	Right	/	16.52	18.0	0.045	0.06	0.13
20300	1745.0	1RB0	Bottom	/	17.52	19.0	0.256	0.36	-0.07
20050	1720.0	50RB25	Bottom	/	16.52	18.0	0.216	0.30	-0.03
Body-Worn Test Data (10mm) - Power Level C2									
20300	1745.0	1RB0	Front	/	17.52	19.0	0.075	0.11	-0.07
20050	1720.0	50RB25	Front	/	16.52	18.0	0.067	0.09	-0.08
20300	1745.0	1RB0	Rear	/	17.52	19.0	0.481	0.68	0.04
20050	1720.0	50RB25	Rear	/	16.52	18.0	0.396	0.56	0.06

Table 13.15: SAR Values (LTE Band 4 - Head) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
20175	1732.5	1RB0	Left Cheek	/	20.70	21.0	0.454	0.49	-0.15
20175	1732.5	50RB0	Left Cheek	/	20.42	21.0	0.300	0.34	-0.13
20175	1732.5	1RB0	Left Tilt	/	20.70	21.0	0.343	0.37	-0.09
20175	1732.5	50RB0	Left Tilt	/	20.42	21.0	0.247	0.28	0.02
20175	1732.5	1RB0	Right Cheek	/	20.70	21.0	0.680	0.73	-0.07
20175	1732.5	50RB0	Right Cheek	/	20.42	21.0	0.555	0.63	-0.14
20175	1732.5	1RB0	Right Tilt	/	20.70	21.0	0.322	0.35	0.18
20175	1732.5	50RB0	Right Tilt	/	20.42	21.0	0.251	0.29	-0.04

Table 13.16: SAR Values (LTE Band 4 - Body) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
20175	1732.5	1RB0	Front	/	23.67	24.0	0.223	0.24	0.04
20175	1732.5	50RB0	Front	/	23.41	24.0	0.155	0.18	0.03
20175	1732.5	1RB0	Rear	/	23.67	24.0	0.295	0.32	0.08
20175	1732.5	50RB0	Rear	/	23.41	24.0	0.222	0.25	0.08
20175	1732.5	1RB0	Left	/	23.67	24.0	0.245	0.26	0.08
20175	1732.5	50RB0	Left	/	23.41	24.0	0.191	0.22	0.07
20175	1732.5	1RB0	Right	/	23.67	24.0	0.133	0.14	0.04
20175	1732.5	50RB0	Right	/	23.41	24.0	0.101	0.12	0.03
20175	1732.5	1RB0	Top	/	23.67	24.0	0.273	0.29	0.01
20175	1732.5	50RB0	Top	/	23.41	24.0	0.216	0.25	0.04
Body-Worn Test Data (10mm) - Power Level C2									
20175	1732.5	1RB0	Front	/	23.67	24.0	0.223	0.24	0.04
20175	1732.5	50RB0	Front	/	23.41	24.0	0.155	0.18	0.03
20175	1732.5	1RB0	Rear	/	23.67	24.0	0.295	0.32	0.08
20175	1732.5	50RB0	Rear	/	23.41	24.0	0.222	0.25	0.08

Table 13.17: SAR Values (LTE Band 5 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
20450	829.0	1RB49	Left Cheek	/	23.08	24.0	0.284	0.35	-0.06
20525	836.5	25RB25	Left Cheek	/	22.24	23.0	0.216	0.26	0.03
20450	829.0	1RB49	Left Tilt	/	23.08	24.0	0.107	0.13	-0.09
20525	836.5	25RB25	Left Tilt	/	22.24	23.0	0.089	0.11	-0.03
20450	829.0	1RB49	Right Cheek	11	23.08	24.0	0.290	0.36	0.05
20525	836.5	25RB25	Right Cheek	/	22.24	23.0	0.221	0.26	-0.07
20450	829.0	1RB49	Right Tilt	/	23.08	24.0	0.160	0.20	0.03
20525	836.5	25RB25	Right Tilt	/	22.24	23.0	0.132	0.16	0.04
The worst case with CA_5B									
20450	829.0	CA_5B	Right Cheek	/	23.02	24.0	0.266	0.33	0.03

Table 13.18: SAR Values (LTE Band 5 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
20450	829.0	1RB49	Front	/	23.08	24.0	0.263	0.33	-0.01
20525	836.5	25RB25	Front	/	22.24	23.0	0.208	0.25	0.02
20450	829.0	1RB49	Rear	12	23.08	24.0	0.370	0.46	0.05
20525	836.5	25RB25	Rear	/	22.24	23.0	0.286	0.34	0.05
20450	829.0	1RB49	Left	/	23.08	24.0	0.230	0.28	0.14
20525	836.5	25RB25	Left	/	22.24	23.0	0.180	0.21	0.15
20450	829.0	1RB49	Right	/	23.08	24.0	0.236	0.29	0.11
20525	836.5	25RB25	Right	/	22.24	23.0	0.185	0.22	0.11
20450	829.0	1RB49	Bottom	/	23.08	24.0	0.071	0.09	0.09
20525	836.5	25RB25	Bottom	/	22.24	23.0	0.059	0.07	0.10
The worst case with CA_5B - Hotspot Test Data (10mm) - Power Level B1									
20450	829.0	CA_5B	Rear	/	23.02	24.0	0.354	0.44	0.05
Body-Worn Test Data (10mm) - Power Level C1/C2									
20450	829.0	1RB49	Front	/	23.08	24.0	0.263	0.33	-0.01
20525	836.5	25RB25	Front	/	22.24	23.0	0.208	0.25	0.02
20450	829.0	1RB49	Rear	/	23.08	24.0	0.370	0.46	0.05
20525	836.5	25RB25	Rear	/	22.24	23.0	0.286	0.34	0.05
The worst case with CA_5B - Body-Worn Test Data (10mm) - Power Level C1									
20450	829.0	CA_5B	Rear	/	23.02	24.0	0.354	0.44	0.05

Table 13.19: SAR Values (LTE Band 7 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
21100	2535.0	1RB99	Left Cheek	13	23.14	24.0	0.334	0.41	0.08
21350	2560.0	50RB25	Left Cheek	/	22.28	23.0	0.258	0.30	0.04
21100	2535.0	1RB99	Left Tilt	/	23.14	24.0	0.090	0.11	0.03
21350	2560.0	50RB25	Left Tilt	/	22.28	23.0	0.076	0.09	0.13
21100	2535.0	1RB99	Right Cheek	/	23.14	24.0	0.174	0.21	0.04
21350	2560.0	50RB25	Right Cheek	/	22.28	23.0	0.136	0.16	0.19
21100	2535.0	1RB99	Right Tilt	/	23.14	24.0	0.160	0.20	-0.05
21350	2560.0	50RB25	Right Tilt	/	22.28	23.0	0.131	0.15	0.16

Table 13.20: SAR Values (LTE Band 7 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
21100	2535.0	1RB99	Front	/	23.14	24.0	0.236	0.29	-0.04
21350	2560.0	50RB25	Front	/	22.28	23.0	0.185	0.22	0.15
21100	2535.0	1RB99	Rear	14	23.14	24.0	0.503	0.61	0.01
21350	2560.0	50RB25	Rear	/	22.28	23.0	0.334	0.39	-0.08
21100	2535.0	1RB99	Left	/	23.14	24.0	0.300	0.37	0.15
21350	2560.0	50RB25	Left	/	22.28	23.0	0.232	0.27	0.04
21100	2535.0	1RB99	Right	/	23.14	24.0	0.306	0.37	0.11
21350	2560.0	50RB25	Right	/	22.28	23.0	0.251	0.30	0.07
21100	2535.0	1RB99	Bottom	/	23.14	24.0	0.078	0.09	0.18
21350	2560.0	50RB25	Bottom	/	22.28	23.0	0.063	0.07	0.09
Body-Worn Test Data (15mm) - Power Level C1/C2									
21100	2535.0	1RB99	Front	/	23.14	24.0	0.083	0.10	0.03
21350	2560.0	50RB25	Front	/	22.28	23.0	0.075	0.09	-0.01
21100	2535.0	1RB99	Rear	/	23.14	24.0	0.230	0.28	0.02
21350	2560.0	50RB25	Rear	/	22.28	23.0	0.189	0.22	0.11

Table 13.21: SAR Values (LTE Band 12 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
23060	704.0	1RB49	Left Cheek	15	22.98	24.0	0.260	0.33	0.02
23130	711.0	25RB12	Left Cheek	/	22.09	23.0	0.196	0.24	0.14
23060	704.0	1RB49	Left Tilt	/	22.98	24.0	0.069	0.09	0.15
23130	711.0	25RB12	Left Tilt	/	22.09	23.0	0.057	0.07	0.02
23060	704.0	1RB49	Right Cheek	/	22.98	24.0	0.260	0.33	0.05
23130	711.0	25RB12	Right Cheek	/	22.09	23.0	0.197	0.24	-0.02
23060	704.0	1RB49	Right Tilt	/	22.98	24.0	0.140	0.18	0.09
23130	711.0	25RB12	Right Tilt	/	22.09	23.0	0.115	0.14	0.02

Table 13.22: SAR Values (LTE Band 12 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
23060	704.0	1RB49	Front	/	22.98	24.0	0.309	0.39	0.03
23130	711.0	25RB12	Front	/	22.09	23.0	0.253	0.31	0.02
23060	704.0	1RB49	Rear	16	22.98	24.0	0.393	0.50	0.07
23130	711.0	25RB12	Rear	/	22.09	23.0	0.320	0.39	0.04
23060	704.0	1RB49	Left	/	22.98	24.0	0.282	0.36	0.15
23130	711.0	25RB12	Left	/	22.09	23.0	0.229	0.28	0.15
23060	704.0	1RB49	Right	/	22.98	24.0	0.318	0.40	0.12
23130	711.0	25RB12	Right	/	22.09	23.0	0.261	0.32	0.11
23060	704.0	1RB49	Bottom	/	22.98	24.0	0.040	0.05	0.19
23130	711.0	25RB12	Bottom	/	22.09	23.0	0.034	0.04	0.17
Body-Worn Test Data (15mm) - Power Level C1/C2									
23060	704.0	1RB49	Front	/	22.98	24.0	0.165	0.21	0.04
23130	711.0	25RB12	Front	/	22.09	23.0	0.135	0.17	0.04
23060	704.0	1RB49	Rear	/	22.98	24.0	0.232	0.29	-0.14
23130	711.0	25RB12	Rear	/	22.09	23.0	0.183	0.23	0.03

Table 13.23: SAR Values (LTE Band 13 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
23230	782.0	1RB24	Left Cheek	17	22.95	24.0	0.264	0.34	0.03
23230	782.0	25RB25	Left Cheek	/	22.09	23.0	0.194	0.24	0.10
23230	782.0	1RB24	Left Tilt	/	22.95	24.0	0.090	0.11	-0.03
23230	782.0	25RB25	Left Tilt	/	22.09	23.0	0.071	0.09	0.13
23230	782.0	1RB24	Right Cheek	/	22.95	24.0	0.248	0.32	0.09
23230	782.0	25RB25	Right Cheek	/	22.09	23.0	0.182	0.22	-0.07
23230	782.0	1RB24	Right Tilt	/	22.95	24.0	0.140	0.18	0.06
23230	782.0	25RB25	Right Tilt	/	22.09	23.0	0.112	0.14	0.07

Table 13.24: SAR Values (LTE Band 13 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
23230	782.0	1RB24	Front	/	22.95	24.0	0.262	0.33	0.02
23230	782.0	25RB25	Front	/	22.09	23.0	0.208	0.26	0.04
23230	782.0	1RB24	Rear	18	22.95	24.0	0.380	0.48	0.03
23230	782.0	25RB25	Rear	/	22.09	23.0	0.302	0.37	0.02
23230	782.0	1RB24	Left	/	22.95	24.0	0.245	0.31	0.16
23230	782.0	25RB25	Left	/	22.09	23.0	0.197	0.24	0.14
23230	782.0	1RB24	Right	/	22.95	24.0	0.290	0.37	0.12
23230	782.0	25RB25	Right	/	22.09	23.0	0.235	0.29	0.11
23230	782.0	1RB24	Bottom	/	22.95	24.0	0.049	0.06	0.17
23230	782.0	25RB25	Bottom	/	22.09	23.0	0.040	0.05	0.13
Body-Worn Test Data (10mm) - Power Level C1/C2									
23230	782.0	1RB24	Front	/	22.95	24.0	0.262	0.33	0.02
23230	782.0	25RB25	Front	/	22.09	23.0	0.208	0.26	0.04
23230	782.0	1RB24	Rear	/	22.95	24.0	0.380	0.48	0.03
23230	782.0	25RB25	Rear	/	22.09	23.0	0.302	0.37	0.02

Table 13.25: SAR Values (LTE Band 14 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
23330	793.0	1RB0	Left Cheek	/	22.95	24.0	0.190	0.24	0.03
23330	793.0	25RB0	Left Cheek	/	22.00	23.0	0.139	0.17	0.17
23330	793.0	1RB0	Left Tilt	/	22.95	24.0	0.079	0.10	0.08
23330	793.0	25RB0	Left Tilt	/	22.00	23.0	0.061	0.08	0.45
23330	793.0	1RB0	Right Cheek	19	22.95	24.0	0.242	0.31	0.04
23330	793.0	25RB0	Right Cheek	/	22.00	23.0	0.177	0.22	0.03
23330	793.0	1RB0	Right Tilt	/	22.95	24.0	0.131	0.17	0.05
23330	793.0	25RB0	Right Tilt	/	22.00	23.0	0.103	0.13	0.10

Table 13.26: SAR Values (LTE Band 14 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
23330	793.0	1RB0	Front	/	22.95	24.0	0.266	0.34	0.07
23330	793.0	25RB0	Front	/	22.00	23.0	0.201	0.25	-0.08
23330	793.0	1RB0	Rear	20	22.95	24.0	0.369	0.47	0.02
23330	793.0	25RB0	Rear	/	22.00	23.0	0.288	0.36	0.09
23330	793.0	1RB0	Left	/	22.95	24.0	0.265	0.34	0.13
23330	793.0	25RB0	Left	/	22.00	23.0	0.209	0.26	0.13
23330	793.0	1RB0	Right	/	22.95	24.0	0.292	0.37	0.02
23330	793.0	25RB0	Right	/	22.00	23.0	0.253	0.32	0.12
23330	793.0	1RB0	Bottom	/	22.95	24.0	0.051	0.06	0.11
23330	793.0	25RB0	Bottom	/	22.00	23.0	0.041	0.05	0.14
Body-Worn Test Data (10mm) - Power Level C1/C2									
23330	793.0	1RB0	Front	/	22.95	24.0	0.266	0.34	0.07
23330	793.0	25RB0	Front	/	22.00	23.0	0.201	0.25	-0.08
23330	793.0	1RB0	Rear	/	22.95	24.0	0.369	0.47	0.02
23330	793.0	25RB0	Rear	/	22.00	23.0	0.288	0.36	0.09

Table 13.27: SAR Values (LTE Band 25 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
26140	1860.0	1RB0	Left Cheek	21	22.90	24.0	0.211	0.27	0.03
26140	1860.0	50RB0	Left Cheek	/	22.05	23.0	0.178	0.22	0.01
26140	1860.0	1RB0	Left Tilt	/	22.90	24.0	0.129	0.17	0.09
26140	1860.0	50RB0	Left Tilt	/	22.05	23.0	0.106	0.13	0.18
26140	1860.0	1RB0	Right Cheek	/	22.90	24.0	0.140	0.18	0.01
26140	1860.0	50RB0	Right Cheek	/	22.05	23.0	0.092	0.11	0.07
26140	1860.0	1RB0	Right Tilt	/	22.90	24.0	0.110	0.14	0.19
26140	1860.0	50RB0	Right Tilt	/	22.05	23.0	0.089	0.11	0.03

Table 13.28: SAR Values (LTE Band 25 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
26140	1860.0	1RB0	Front	/	22.90	24.0	0.260	0.33	-0.15
26140	1860.0	50RB0	Front	/	22.05	23.0	0.210	0.26	0.11
26140	1860.0	1RB0	Rear	22	22.90	24.0	0.650	0.84	0.07
26140	1860.0	50RB0	Rear	/	22.05	23.0	0.521	0.65	0.13
26140	1860.0	1RB0	Left	/	22.90	24.0	0.125	0.16	-0.06
26140	1860.0	50RB0	Left	/	22.05	23.0	0.114	0.14	0.16
26140	1860.0	1RB0	Right	/	22.90	24.0	0.164	0.21	0.08
26140	1860.0	50RB0	Right	/	22.05	23.0	0.137	0.17	0.03
26140	1860.0	1RB0	Bottom	/	22.90	24.0	0.241	0.31	0.19
26140	1860.0	50RB0	Bottom	/	22.05	23.0	0.192	0.24	0.02
26590	1905.0	1RB0	Rear	/	22.73	24.0	0.618	0.83	-0.01
26365	1882.5	1RB0	Rear	/	22.87	24.0	0.644	0.84	0.02
26590	1905.0	100RB	Rear	/	21.85	23.0	0.516	0.67	0.02
Body-Worn Test Data (10mm) - Power Level C1									
26140	1860.0	1RB0	Front	/	22.90	24.0	0.260	0.33	-0.15
26140	1860.0	50RB0	Front	/	22.05	23.0	0.210	0.26	0.11
26140	1860.0	1RB0	Rear	/	22.90	24.0	0.650	0.84	0.07
26140	1860.0	50RB0	Rear	/	22.05	23.0	0.521	0.65	0.13
26590	1905.0	1RB0	Rear	/	22.73	24.0	0.618	0.83	-0.01
26365	1882.5	1RB0	Rear	/	22.87	24.0	0.644	0.84	0.02
26590	1905.0	100RB	Rear	/	21.85	23.0	0.516	0.67	0.02

Table 13.29: SAR Values (LTE Band 26 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
26765	821.5	1RB74	Left Cheek	/	22.95	24.0	0.261	0.33	0.08
26765	821.5	36RB38	Left Cheek	/	22.06	23.0	0.202	0.25	0.03
26765	821.5	1RB74	Left Tilt	/	22.95	24.0	0.101	0.13	0.18
26765	821.5	36RB38	Left Tilt	/	22.06	23.0	0.082	0.10	0.03
26765	821.5	1RB74	Right Cheek	23	22.95	24.0	0.282	0.36	0.03
26765	821.5	36RB38	Right Cheek	/	22.06	23.0	0.216	0.27	-0.06
26765	821.5	1RB74	Right Tilt	/	22.95	24.0	0.149	0.19	0.03
26765	821.5	36RB38	Right Tilt	/	22.06	23.0	0.120	0.15	0.08

Table 13.30: SAR Values (LTE Band 26 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
26765	821.5	1RB74	Front	/	22.95	24.0	0.281	0.36	0.01
26765	821.5	36RB38	Front	/	22.06	23.0	0.240	0.30	-0.19
26765	821.5	1RB74	Rear	24	22.95	24.0	0.382	0.49	0.01
26765	821.5	36RB38	Rear	/	22.06	23.0	0.318	0.39	0.06
26765	821.5	1RB74	Left	/	22.95	24.0	0.275	0.35	0.04
26765	821.5	36RB38	Left	/	22.06	23.0	0.232	0.29	0.17
26765	821.5	1RB74	Right	/	22.95	24.0	0.264	0.34	0.08
26765	821.5	36RB38	Right	/	22.06	23.0	0.223	0.28	0.12
26765	821.5	1RB74	Bottom	/	22.95	24.0	0.069	0.09	0.08
26765	821.5	36RB38	Bottom	/	22.06	23.0	0.055	0.07	0.09
Body-Worn Test Data (10mm) - Power Level C1									
26765	821.5	1RB74	Front	/	22.95	24.0	0.281	0.36	0.01
26765	821.5	36RB38	Front	/	22.06	23.0	0.240	0.30	-0.19
26765	821.5	1RB74	Rear	/	22.95	24.0	0.382	0.49	0.01
26765	821.5	36RB38	Rear	/	22.06	23.0	0.318	0.39	0.06

Table 13.31: SAR Values (LTE Band 30 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
27710	2310.0	1RB0	Left Cheek	/	22.90	24.0	0.073	0.09	0.03
27710	2310.0	25RB0	Left Cheek	/	21.94	23.0	0.065	0.08	0.04
27710	2310.0	1RB0	Left Tilt	/	22.90	24.0	0.100	0.13	0.11
27710	2310.0	25RB0	Left Tilt	/	21.94	23.0	0.075	0.10	-0.05
27710	2310.0	1RB0	Right Cheek	25	22.90	24.0	0.129	0.17	-0.08
27710	2310.0	25RB0	Right Cheek	/	21.94	23.0	0.118	0.15	0.05
27710	2310.0	1RB0	Right Tilt	/	22.90	24.0	0.071	0.09	0.06
27710	2310.0	25RB0	Right Tilt	/	21.94	23.0	0.040	0.05	0.09

Table 13.32: SAR Values (LTE Band 30 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
27710	2310.0	1RB0	Front	/	22.90	24.0	0.318	0.41	0.19
27710	2310.0	25RB0	Front	/	21.94	23.0	0.169	0.22	0.05
27710	2310.0	1RB0	Rear	26	22.90	24.0	0.436	0.56	-0.06
27710	2310.0	25RB0	Rear	/	21.94	23.0	0.381	0.49	0.16
27710	2310.0	1RB0	Left	/	22.90	24.0	0.099	0.13	0.07
27710	2310.0	25RB0	Left	/	21.94	23.0	0.084	0.11	0.04
27710	2310.0	1RB0	Right	/	22.90	24.0	0.190	0.24	0.12
27710	2310.0	25RB0	Right	/	21.94	23.0	0.098	0.13	-0.07
27710	2310.0	1RB0	Bottom	/	22.90	24.0	0.355	0.46	0.03
27710	2310.0	25RB0	Bottom	/	21.94	23.0	0.289	0.37	0.07
Body-Worn Test Data (10mm) - Power Level C1/C2									
27710	2310.0	1RB0	Front	/	22.90	24.0	0.318	0.41	0.19
27710	2310.0	25RB0	Front	/	21.94	23.0	0.169	0.22	0.05
27710	2310.0	1RB0	Rear	/	22.90	24.0	0.436	0.56	-0.06
27710	2310.0	25RB0	Rear	/	21.94	23.0	0.381	0.49	0.16

Table 13.33: SAR Values (LTE Band 30 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
27710	2310.0	1RB0	Left Cheek	/	20.63	21.0	0.378	0.41	-0.18
27710	2310.0	25RB0	Left Cheek	/	20.58	21.0	0.369	0.41	0.02
27710	2310.0	1RB0	Left Tilt	/	20.63	21.0	0.320	0.35	0.12
27710	2310.0	25RB0	Left Tilt	/	20.58	21.0	0.318	0.35	-0.14
27710	2310.0	1RB0	Right Cheek	/	20.63	21.0	0.507	0.55	-0.04
27710	2310.0	25RB0	Right Cheek	/	20.58	21.0	0.486	0.54	-0.07
27710	2310.0	1RB0	Right Tilt	/	20.63	21.0	0.359	0.39	0.14
27710	2310.0	25RB0	Right Tilt	/	20.58	21.0	0.337	0.37	-0.18

Table 13.34: SAR Values (LTE Band 30 - Body) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
27710	2310.0	1RB0	Front	/	23.11	24.0	0.232	0.28	0.08
27710	2310.0	25RB0	Front	/	22.90	24.0	0.199	0.26	0.08
27710	2310.0	1RB0	Rear	/	23.11	24.0	0.294	0.36	-0.18
27710	2310.0	25RB0	Rear	/	22.90	24.0	0.266	0.34	-0.17
27710	2310.0	1RB0	Left	/	23.11	24.0	0.241	0.30	0.03
27710	2310.0	25RB0	Left	/	22.90	24.0	0.259	0.33	0.01
27710	2310.0	1RB0	Right	/	23.11	24.0	0.102	0.13	0.02
27710	2310.0	25RB0	Right	/	22.90	24.0	0.094	0.12	-0.02
27710	2310.0	1RB0	Top	/	23.11	24.0	0.521	0.64	-0.10
27710	2310.0	25RB0	Top	/	22.90	24.0	0.500	0.64	0.11
Body-Worn Test Data (10mm) - Power Level C2									
27710	2310.0	1RB0	Front	/	23.11	24.0	0.232	0.28	0.08
27710	2310.0	25RB0	Front	/	22.90	24.0	0.199	0.26	0.08
27710	2310.0	1RB0	Rear	/	23.11	24.0	0.294	0.36	-0.18
27710	2310.0	25RB0	Rear	/	22.90	24.0	0.266	0.34	-0.17

Table 13.35: SAR Values (LTE Band 40 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
38725	2307.5	1RB12	Left Cheek	/	23.05	24.0	0.074	0.09	0.04
38725	2307.5	12RB13	Left Cheek	/	22.02	23.0	0.050	0.06	0.02
38725	2307.5	1RB12	Left Tilt	/	23.05	24.0	0.076	0.09	0.06
38725	2307.5	12RB13	Left Tilt	/	22.02	23.0	0.049	0.06	-0.03
38725	2307.5	1RB12	Right Cheek	27	23.05	24.0	0.134	0.17	0.04
38725	2307.5	12RB13	Right Cheek	/	22.02	23.0	0.108	0.14	0.03
38725	2307.5	1RB12	Right Tilt	/	23.05	24.0	0.073	0.09	0.04
38725	2307.5	12RB13	Right Tilt	/	22.02	23.0	0.066	0.08	0.05

Table 13.36: SAR Values (LTE Band 40 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
38725	2307.5	1RB12	Front	/	23.05	24.0	0.159	0.20	0.06
38725	2307.5	12RB13	Front	/	22.02	23.0	0.126	0.16	0.04
38725	2307.5	1RB12	Rear	28	23.05	24.0	0.355	0.44	0.05
38725	2307.5	12RB13	Rear	/	22.02	23.0	0.271	0.34	0.07
38725	2307.5	1RB12	Left	/	23.05	24.0	0.064	0.08	0.04
38725	2307.5	12RB13	Left	/	22.02	23.0	0.051	0.06	0.03
38725	2307.5	1RB12	Right	/	23.05	24.0	0.126	0.16	0.05
38725	2307.5	12RB13	Right	/	22.02	23.0	0.099	0.12	0.12
38725	2307.5	1RB12	Bottom	/	23.05	24.0	0.212	0.26	0.02
38725	2307.5	12RB13	Bottom	/	22.02	23.0	0.161	0.20	-0.07
Body-Worn Test Data (10mm) - Power Level C1									
38725	2307.5	1RB12	Front	/	23.05	24.0	0.159	0.20	0.06
38725	2307.5	12RB13	Front	/	22.02	23.0	0.126	0.16	0.04
38725	2307.5	1RB12	Rear	/	23.05	24.0	0.355	0.44	0.05
38725	2307.5	12RB13	Rear	/	22.02	23.0	0.271	0.34	0.07

Table 13.37: SAR Values (LTE Band 41 - Head) - PC3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
41055	2636.5	1RB99	Left Cheek	29	23.01	24.0	0.210	0.26	0.08
40620	2593.0	50RB25	Left Cheek	/	22.10	23.0	0.161	0.20	0.12
41055	2636.5	1RB99	Left Tilt	/	23.01	24.0	0.067	0.08	0.06
40620	2593.0	50RB25	Left Tilt	/	22.10	23.0	0.047	0.06	0.05
41055	2636.5	1RB99	Right Cheek	/	23.01	24.0	0.101	0.13	0.05
40620	2593.0	50RB25	Right Cheek	/	22.10	23.0	0.073	0.09	0.09
41055	2636.5	1RB99	Right Tilt	/	23.01	24.0	0.123	0.15	0.08
40620	2593.0	50RB25	Right Tilt	/	22.10	23.0	0.084	0.10	-0.02
The worst case with CA_41C - Power Level A1									
41055	2636.5	CA_41C	Left Cheek	/	22.97	24.0	0.193	0.24	0.04

Table 13.38: SAR Values (LTE Band 41 - Body) - PC3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
41055	2636.5	1RB99	Front	/	23.01	24.0	0.158	0.20	-0.02
40620	2593.0	50RB25	Front	/	22.10	23.0	0.126	0.16	0.04
41055	2636.5	1RB99	Rear	30	23.01	24.0	0.286	0.36	0.03
40620	2593.0	50RB25	Rear	/	22.10	23.0	0.240	0.30	0.05
41055	2636.5	1RB99	Left	/	23.01	24.0	0.239	0.30	0.07
40620	2593.0	50RB25	Left	/	22.10	23.0	0.207	0.25	0.17
41055	2636.5	1RB99	Right	/	23.01	24.0	0.241	0.30	0.14
40620	2593.0	50RB25	Right	/	22.10	23.0	0.211	0.26	0.17
41055	2636.5	1RB99	Bottom	/	23.01	24.0	0.053	0.07	0.02
40620	2593.0	50RB25	Bottom	/	22.10	23.0	0.037	0.05	0.03
The worst case with CA_41C - Hotspot Test Data (10mm) - Power Level B1									
41055	2636.5	CA_41C	Rear	/	22.97	24.0	0.255	0.32	0.05
Body-Worn Test Data (10mm) - Power Level C1/C2									
41055	2636.5	1RB99	Front	/	23.01	24.0	0.158	0.20	-0.02
40620	2593.0	50RB25	Front	/	22.10	23.0	0.126	0.16	0.04
41055	2636.5	1RB99	Rear	/	23.01	24.0	0.286	0.36	0.03
40620	2593.0	50RB25	Rear	/	22.10	23.0	0.240	0.30	0.05
The worst case with CA_41C - Body-Worn Test Data (10mm) - Power Level C1									
41055	2636.5	CA_41C	Rear	/	22.97	24.0	0.255	0.32	0.05

Note: SAR for LTE Band 38 is covered by LTE Band 41 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.39: SAR Values (LTE Band 41 - Head) - PC2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
40620	2593.0	1RB99	Left Cheek	31	25.95	27.0	0.280	0.36	0.09
41490	2680.0	50RB0	Left Cheek	/	25.11	26.0	0.217	0.27	0.06
40620	2593.0	1RB99	Left Tilt	/	25.95	27.0	0.070	0.09	0.02
41490	2680.0	50RB0	Left Tilt	/	25.11	26.0	0.056	0.07	0.04
40620	2593.0	1RB99	Right Cheek	/	25.95	27.0	0.123	0.16	0.04
41490	2680.0	50RB0	Right Cheek	/	25.11	26.0	0.098	0.12	0.12
40620	2593.0	1RB99	Right Tilt	/	25.95	27.0	0.065	0.08	0.03
41490	2680.0	50RB0	Right Tilt	/	25.11	26.0	0.042	0.05	0.07
The worst case with CA_41C - Power Level A1									
40620	2593.0	CA_41C	Left Cheek	/	25.86	27.0	0.262	0.34	0.03

Table 13.40: SAR Values (LTE Band 41 - Body) - PC2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
40620	2593.0	1RB99	Front	/	25.95	27.0	0.224	0.29	0.13
41490	2680.0	50RB0	Front	/	25.11	26.0	0.153	0.19	0.04
40620	2593.0	1RB99	Rear	32	25.95	27.0	0.390	0.50	0.16
41490	2680.0	50RB0	Rear	/	25.11	26.0	0.308	0.38	0.06
40620	2593.0	1RB99	Left	/	25.95	27.0	0.375	0.48	0.13
41490	2680.0	50RB0	Left	/	25.11	26.0	0.292	0.36	0.05
40620	2593.0	1RB99	Right	/	25.95	27.0	0.016	0.02	0.03
41490	2680.0	50RB0	Right	/	25.11	26.0	0.143	0.18	0.07
40620	2593.0	1RB99	Bottom	/	25.95	27.0	0.082	0.10	0.03
41490	2680.0	50RB0	Bottom	/	25.11	26.0	0.068	0.08	0.03
The worst case with CA_41C - Hotspot Test Data (10mm) - Power Level B1									
40620	2593.0	CA_41C	Rear	/	25.86	27.0	0.370	0.48	0.10
Body-Worn Test Data (10mm) - Power Level C1/C2									
40620	2593.0	1RB99	Front	/	25.95	27.0	0.224	0.29	0.13
41490	2680.0	50RB0	Front	/	25.11	26.0	0.153	0.19	0.04
40620	2593.0	1RB99	Rear	/	25.95	27.0	0.390	0.50	0.16
41490	2680.0	50RB0	Rear	/	25.11	26.0	0.308	0.38	0.06
The worst case with CA_41C - Body-Worn Test Data (10mm) - Power Level C1									
40620	2593.0	CA_41C	Rear	/	25.86	27.0	0.370	0.48	0.10

Table 13.41: SAR Values (LTE Band 42 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
42190	3460.0	1RB0	Left Cheek	/	22.98	24.0	0.108	0.14	0.06
42190	3460.0	50RB0	Left Cheek	/	22.22	23.0	0.105	0.13	0.01
42190	3460.0	1RB0	Left Tilt	/	22.98	24.0	0.030	0.04	0.06
42190	3460.0	50RB0	Left Tilt	/	22.22	23.0	0.036	0.04	0.04
42190	3460.0	1RB0	Right Cheek	33	22.98	24.0	0.162	0.20	0.02
42190	3460.0	50RB0	Right Cheek	/	22.22	23.0	0.146	0.17	0.03
42190	3460.0	1RB0	Right Tilt	/	22.98	24.0	0.061	0.08	0.08
42190	3460.0	50RB0	Right Tilt	/	22.22	23.0	0.052	0.06	0.16

Table 13.42: SAR Values (LTE Band 42 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
42190	3460.0	1RB0	Front	/	19.76	21.0	0.022	0.03	0.19
42190	3460.0	50RB0	Front	/	18.94	20.0	0.017	0.02	-0.14
42190	3460.0	1RB0	Rear	34	19.76	21.0	0.444	0.59	0.17
42190	3460.0	50RB0	Rear	/	18.94	20.0	0.370	0.47	-0.11
42190	3460.0	1RB0	Left	/	19.76	21.0	0.162	0.22	-0.14
42190	3460.0	50RB0	Left	/	18.94	20.0	0.086	0.11	0.16
42190	3460.0	1RB0	Right	/	19.76	21.0	0.007	0.01	0.18
42190	3460.0	50RB0	Right	/	18.94	20.0	0.010	0.01	0.10
42190	3460.0	1RB0	Top	/	19.76	21.0	0.032	0.04	-0.12
42190	3460.0	50RB0	Top	/	18.94	20.0	0.026	0.03	-0.06
Body-Worn Test Data (15mm) - Power Level C1									
42190	3460.0	1RB0	Front	/	21.76	23.0	0.024	0.03	0.06
42190	3460.0	50RB0	Front	/	21.04	22.0	0.019	0.02	0.02
42190	3460.0	1RB0	Rear	/	21.76	23.0	0.392	0.52	0.08
42190	3460.0	50RB0	Rear	/	21.04	22.0	0.317	0.40	0.06

Table 13.43: SAR Values (LTE Band 48 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
55773	3603.3	1RB0	Left Cheek	/	22.84	24.0	0.093	0.12	0.12
55773	3603.3	50RB0	Left Cheek	/	21.97	23.0	0.093	0.12	0.04
55773	3603.3	1RB0	Left Tilt	/	22.84	24.0	0.051	0.07	0.08
55773	3603.3	50RB0	Left Tilt	/	21.97	23.0	0.035	0.04	0.01
55773	3603.3	1RB0	Right Cheek	35	22.84	24.0	0.151	0.20	0.06
55773	3603.3	50RB0	Right Cheek	/	21.97	23.0	0.135	0.17	0.01
55773	3603.3	1RB0	Right Tilt	/	22.84	24.0	0.059	0.08	0.07
55773	3603.3	50RB0	Right Tilt	/	21.97	23.0	0.044	0.06	0.05

Table 13.44: SAR Values (LTE Band 48 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1/B2									
55773	3603.3	1RB0	Front	/	18.72	19.0	0.018	0.02	0.07
55773	3603.3	50RB0	Front	/	17.90	19.0	0.014	0.02	0.06
55773	3603.3	1RB0	Rear	36	18.72	19.0	0.544	0.58	0.04
55773	3603.3	50RB0	Rear	/	17.90	19.0	0.438	0.56	0.08
55773	3603.3	1RB0	Left	/	18.72	19.0	0.102	0.11	-0.11
55773	3603.3	50RB0	Left	/	17.90	19.0	0.090	0.12	-0.13
55773	3603.3	1RB0	Right	/	18.72	19.0	0.008	0.01	-0.12
55773	3603.3	50RB0	Right	/	17.90	19.0	0.007	0.01	-0.01
55773	3603.3	1RB0	Top	/	18.72	19.0	0.033	0.03	0.01
55773	3603.3	50RB0	Top	/	17.90	19.0	0.027	0.03	0.18
Body-Worn Test Data (15mm) - Power Level C1/C2									
55773	3603.3	1RB0	Front	/	20.97	22.0	0.027	0.03	0.16
55773	3603.3	50RB0	Front	/	20.02	21.0	0.020	0.02	0.04
55773	3603.3	1RB0	Rear	/	20.97	22.0	0.480	0.61	0.16
55773	3603.3	50RB0	Rear	/	20.02	21.0	0.393	0.49	0.06

Table 13.45: SAR Values (LTE Band 66 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1/A2									
132572	1770.0	1RB0	Left Cheek	/	22.95	24.0	0.128	0.16	0.03
132572	1770.0	50RB25	Left Cheek	/	21.96	23.0	0.118	0.15	-0.18
132572	1770.0	1RB0	Left Tilt	/	22.95	24.0	0.134	0.17	0.09
132572	1770.0	50RB25	Left Tilt	/	21.96	23.0	0.081	0.10	0.02
132572	1770.0	1RB0	Right Cheek	37	22.95	24.0	0.238	0.30	0.04
132572	1770.0	50RB25	Right Cheek	/	21.96	23.0	0.191	0.24	0.07
132572	1770.0	1RB0	Right Tilt	/	22.95	24.0	0.142	0.18	0.04
132572	1770.0	50RB25	Right Tilt	/	21.96	23.0	0.120	0.15	0.17
The worst case with CA_66B / CA_66C - Power Level A1									
132622	1775.0	CA_66B	Right Cheek	/	22.85	24.0	0.205	0.27	0.08
132572	1770.0	CA_66C	Right Cheek	/	22.81	24.0	0.216	0.28	0.02

Table 13.46: SAR Values (LTE Band 66 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
132572	1770.0	1RB0	Front	/	20.89	22.0	0.122	0.16	-0.16
132572	1770.0	50RB25	Front	/	19.97	21.0	0.117	0.15	-0.14
132572	1770.0	1RB0	Rear	/	20.89	22.0	0.800	1.03	0.02
132572	1770.0	50RB25	Rear	/	19.97	21.0	0.789	1.00	0.17
132572	1770.0	1RB0	Left	/	20.89	22.0	0.047	0.06	0.18
132572	1770.0	50RB25	Left	/	19.97	21.0	0.043	0.05	0.12
132572	1770.0	1RB0	Right	/	20.89	22.0	0.114	0.15	0.19
132572	1770.0	50RB25	Right	/	19.97	21.0	0.111	0.14	-0.07
132572	1770.0	1RB0	Bottom	/	20.89	22.0	0.249	0.32	0.12
132572	1770.0	50RB25	Bottom	/	19.97	21.0	0.239	0.30	0.08
132322	1745.0	1RB0	Rear	/	20.77	22.0	0.837	1.11	-0.18
132072	1720.0	1RB0	Rear	38	20.71	22.0	0.895	1.20	0.17
132322	1745.0	50RB25	Rear	/	19.91	21.0	0.691	0.89	0.06
132072	1720.0	50RB25	Rear	/	19.86	21.0	0.706	0.92	-0.16
132572	1770.0	100RB	Rear	/	19.90	21.0	0.614	0.79	0.16
The worst case with CA_66B / CA_66C - Hotspot Test Data (10mm) - Power Level B1									
132622	1775.0	CA_66B	Rear	/	20.94	22.0	0.877	1.12	-0.05
132072	1720.0	CA_66C	Rear	/	20.66	22.0	0.852	1.16	-0.02
Body-Worn Test Data (15mm) - Power Level C1									
132572	1770.0	1RB0	Front	/	21.95	23.0	0.091	0.12	0.09
132572	1770.0	50RB25	Front	/	20.97	22.0	0.069	0.09	0.01
132572	1770.0	1RB0	Rear	/	21.95	23.0	0.440	0.56	0.02
132572	1770.0	50RB25	Rear	/	20.97	22.0	0.307	0.39	0.03
The worst case with CA_66B / CA_66C - Body-Worn Test Data (15mm) - Power Level C1									
132622	1775.0	CA_66B	Rear	/	21.93	23.0	0.412	0.53	0.08
132572	1770.0	CA_66C	Rear	/	21.88	23.0	0.399	0.52	0.02

Table 13.47: SAR Values (LTE Band 66 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
132572	1770.0	1RB0	Front	/	18.05	19.0	0.066	0.08	-0.14
132572	1770.0	50RB25	Front	/	17.17	18.0	0.052	0.06	0.12
132572	1770.0	1RB0	Rear	/	18.05	19.0	0.436	0.54	-0.17
132572	1770.0	50RB25	Rear	/	17.17	18.0	0.336	0.41	0.07
132572	1770.0	1RB0	Left	/	18.05	19.0	0.026	0.03	-0.11
132572	1770.0	50RB25	Left	/	17.17	18.0	0.020	0.02	0.14
132572	1770.0	1RB0	Right	/	18.05	19.0	0.063	0.08	-0.08
132572	1770.0	50RB25	Right	/	17.17	18.0	0.050	0.06	-0.08
132572	1770.0	1RB0	Bottom	/	18.05	19.0	0.136	0.17	0.15
132572	1770.0	50RB25	Bottom	/	17.17	18.0	0.100	0.12	0.19
Body-Worn Test Data (15mm) - Power Level C2									
132572	1770.0	1RB0	Front	/	18.05	19.0	0.042	0.05	-0.05
132572	1770.0	50RB25	Front	/	17.17	18.0	0.032	0.04	0.20
132572	1770.0	1RB0	Rear	/	18.05	19.0	0.204	0.25	0.17
132572	1770.0	50RB25	Rear	/	17.17	18.0	0.142	0.17	0.05

Table 13.48: SAR Values (LTE Band 66 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
132072	1720.0	1RB50	Left Cheek	/	19.61	20.0	0.353	0.39	0.03
132572	1770.0	50RB25	Left Cheek	/	19.41	20.0	0.353	0.40	0.04
132072	1720.0	1RB50	Left Tilt	/	19.61	20.0	0.288	0.32	0.12
132572	1770.0	50RB25	Left Tilt	/	19.41	20.0	0.282	0.32	0.03
132072	1720.0	1RB50	Right Cheek	/	19.61	20.0	0.535	0.59	-0.04
132572	1770.0	50RB25	Right Cheek	/	19.41	20.0	0.535	0.61	0.08
132072	1720.0	1RB50	Right Tilt	/	19.61	20.0	0.240	0.26	-0.01
132572	1770.0	50RB25	Right Tilt	/	19.41	20.0	0.231	0.26	0.07

Table 13.49: SAR Values (LTE Band 66 - Body) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
132072	1720.0	1RB50	Front	/	23.68	24.0	0.281	0.30	-0.17
132572	1770.0	50RB25	Front	/	23.49	24.0	0.311	0.35	-0.01
132072	1720.0	1RB50	Rear	/	23.68	24.0	0.389	0.42	-0.17
132572	1770.0	50RB25	Rear	/	23.49	24.0	0.427	0.48	-0.11
132072	1720.0	1RB50	Left	/	23.68	24.0	0.260	0.28	-0.10
132572	1770.0	50RB25	Left	/	23.49	24.0	0.283	0.32	-0.05
132072	1720.0	1RB50	Right	/	23.68	24.0	0.159	0.17	-0.01
132572	1770.0	50RB25	Right	/	23.49	24.0	0.119	0.13	0.14
132072	1720.0	1RB50	Top	/	23.68	24.0	0.320	0.34	-0.12
132572	1770.0	50RB25	Top	/	23.49	24.0	0.341	0.38	0.14
Body-Worn Test Data (15mm) - Power Level C2									
132072	1720.0	1RB50	Front	/	23.68	24.0	0.221	0.24	-0.16
132572	1770.0	50RB25	Front	/	23.49	24.0	0.213	0.24	0.11
132072	1720.0	1RB50	Rear	/	23.68	24.0	0.305	0.33	0.15
132572	1770.0	50RB25	Rear	/	23.49	24.0	0.311	0.35	0.00

Table 13.50: SAR Values (LTE Band 71 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A1									
133222	673.0	1RB99	Left Cheek	/	22.81	24.0	0.189	0.25	0.03
133222	673.0	50RB25	Left Cheek	/	21.87	23.0	0.140	0.18	0.09
133222	673.0	1RB99	Left Tilt	/	22.81	24.0	0.082	0.11	0.13
133222	673.0	50RB25	Left Tilt	/	21.87	23.0	0.065	0.08	0.17
133222	673.0	1RB99	Right Cheek	39	22.81	24.0	0.199	0.26	0.19
133222	673.0	50RB25	Right Cheek	/	21.87	23.0	0.144	0.19	0.08
133222	673.0	1RB99	Right Tilt	/	22.81	24.0	0.088	0.12	0.04
133222	673.0	50RB25	Right Tilt	/	21.87	23.0	0.069	0.09	0.18

Table 13.51: SAR Values (LTE Band 71 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B1									
133222	673.0	1RB99	Front	/	22.81	24.0	0.220	0.29	0.05
133222	673.0	50RB25	Front	/	21.87	23.0	0.190	0.25	0.10
133222	673.0	1RB99	Rear	/	22.81	24.0	0.152	0.20	0.00
133222	673.0	50RB25	Rear	/	21.87	23.0	0.133	0.17	0.05
133222	673.0	1RB99	Left	/	22.81	24.0	0.224	0.29	0.06
133222	673.0	50RB25	Left	/	21.87	23.0	0.202	0.26	0.04
133222	673.0	1RB99	Right	40	22.81	24.0	0.235	0.31	0.07
133222	673.0	50RB25	Right	/	21.87	23.0	0.219	0.28	0.05
133222	673.0	1RB99	Bottom	/	22.81	24.0	0.038	0.05	0.16
133222	673.0	50RB25	Bottom	/	21.87	23.0	0.029	0.04	0.10
Body-Worn Test Data (10mm) - Power Level C1									
133222	673.0	1RB99	Front	/	22.81	24.0	0.220	0.29	0.05
133222	673.0	50RB25	Front	/	21.87	23.0	0.190	0.25	0.10
133222	673.0	1RB99	Rear	/	22.81	24.0	0.152	0.20	0.00
133222	673.0	50RB25	Rear	/	21.87	23.0	0.133	0.17	0.05

13.3. Test Results for SUB 6G

Note: For this device, Both NR n41/n77 band support PC3 and PC2 with same 100% duty cycle, so we choose PC2 for SAR test

Table 13.52: SAR Values (NR n2 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
370500	1852.5	1RB1	Left Cheek	/	23.29	24.0	0.217	0.26	-0.06
370500	1852.5	1RB1	Left Tilt	/	23.29	24.0	0.146	0.17	0.01
370500	1852.5	1RB1	Right Cheek	/	23.29	24.0	0.215	0.25	0.09
370500	1852.5	1RB1	Right Tilt	/	23.29	24.0	0.134	0.16	0.19

Table 13.53: SAR Values (NR n2 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
370500	1852.5	1RB1	Front	/	21.40	22.0	0.153	0.18	-0.05
370500	1852.5	1RB1	Rear	42	21.40	22.0	0.491	0.56	0.10
370500	1852.5	1RB1	Left	/	21.40	22.0	0.112	0.13	0.09
370500	1852.5	1RB1	Right	/	21.40	22.0	0.132	0.15	-0.14
370500	1852.5	1RB1	Bottom	/	21.40	22.0	0.217	0.25	-0.16
Body-Worn Test Data (15mm) - Power Level C2									
370500	1852.5	1RB1	Front	/	23.29	24.0	0.089	0.10	-0.02
370500	1852.5	1RB1	Rear	/	23.29	24.0	0.273	0.32	0.04

Table 13.54: SAR Values (NR n2 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
376000	1880.0	12RB6	Left Cheek	/	23.20	24.0	0.485	0.58	0.07
376000	1880.0	12RB6	Left Tilt	/	23.20	24.0	0.429	0.52	0.03
376000	1880.0	12RB6	Right Cheek	41	23.20	24.0	0.641	0.77	0.06
376000	1880.0	12RB6	Right Tilt	/	23.20	24.0	0.421	0.51	0.08

Table 13.55: SAR Values (NR n2 - Body) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
376000	1880.0	12RB6	Front	/	23.20	24.0	0.181	0.22	0.05
376000	1880.0	12RB6	Rear	/	23.20	24.0	0.274	0.33	-0.04
376000	1880.0	12RB6	Left	/	23.20	24.0	0.152	0.18	0.12
376000	1880.0	12RB6	Right	/	23.20	24.0	0.103	0.12	0.04
376000	1880.0	12RB6	Top	/	23.20	24.0	0.288	0.35	0.11
Body-Worn Test Data (10mm) - Power Level C2									
376000	1880.0	12RB6	Front	/	23.20	24.0	0.181	0.22	0.05
376000	1880.0	12RB6	Rear	/	23.20	24.0	0.274	0.33	-0.04

Table 13.56: SAR Values (NR n5 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
167300	836.5	12RB6	Left Cheek	43	23.09	24.0	0.284	0.35	0.04
167300	836.5	12RB6	Left Tilt	/	23.09	24.0	0.135	0.17	0.14
167300	836.5	12RB6	Right Cheek	/	23.09	24.0	0.283	0.35	-0.10
167300	836.5	12RB6	Right Tilt	/	23.09	24.0	0.140	0.17	0.02

Table 13.57: SAR Values (NR n5 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
167300	836.5	12RB6	Front	/	23.09	24.0	0.250	0.31	0.04
167300	836.5	12RB6	Rear	44	23.09	24.0	0.377	0.46	-0.01
167300	836.5	12RB6	Left	/	23.09	24.0	0.223	0.27	0.07
167300	836.5	12RB6	Right	/	23.09	24.0	0.243	0.30	0.04
167300	836.5	12RB6	Bottom	/	23.09	24.0	0.076	0.09	0.01
Body-Worn Test Data (15mm) - Power Level C2									
167300	836.5	12RB6	Front	/	23.09	24.0	0.206	0.25	0.04
167300	836.5	12RB6	Rear	/	23.09	24.0	0.324	0.40	-0.04

Table 13.58: SAR Values (NR n14 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
158600	793.0	12RB6	Left Cheek	/	23.30	24.0	0.206	0.24	0.09
158600	793.0	12RB6	Left Tilt	/	23.30	24.0	0.104	0.12	0.00
158600	793.0	12RB6	Right Cheek	45	23.30	24.0	0.217	0.25	0.09
158600	793.0	12RB6	Right Tilt	/	23.30	24.0	0.115	0.14	0.19

Table 13.59: SAR Values (NR n14 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
158600	793.0	12RB6	Front	/	23.30	24.0	0.227	0.27	0.05
158600	793.0	12RB6	Rear	46	23.30	24.0	0.341	0.40	0.05
158600	793.0	12RB6	Left	/	23.30	24.0	0.224	0.26	0.04
158600	793.0	12RB6	Right	/	23.30	24.0	0.274	0.32	-0.06
158600	793.0	12RB6	Bottom	/	23.30	24.0	0.051	0.06	-0.05
Body-Worn Test Data (10mm) - Power Level C2									
158600	793.0	12RB6	Front	/	23.30	24.0	0.227	0.27	0.05
158600	793.0	12RB6	Rear	/	23.30	24.0	0.341	0.40	0.05

Table 13.60: SAR Values (NR n25 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
376500	1882.5	1@214	Left Cheek	/	22.56	23.0	0.558	0.62	-0.10
376500	1882.5	1@214	Left Tilt	/	22.56	23.0	0.518	0.57	0.07
376500	1882.5	1@214	Right Cheek	47	22.56	23.0	0.690	0.76	-0.07
376500	1882.5	1@214	Right Tilt	/	22.56	23.0	0.536	0.59	0.06

Table 13.61: SAR Values (NR n25 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
376500	1882.5	1@214	Front	/	23.54	24.0	0.253	0.28	0.08
376500	1882.5	1@214	Rear	/	23.54	24.0	0.356	0.40	0.14
376500	1882.5	1@214	Left	/	23.54	24.0	0.171	0.19	-0.15
376500	1882.5	1@214	Right	/	23.54	24.0	0.040	0.04	0.03
376500	1882.5	1@214	Top	48	23.54	24.0	0.426	0.47	0.06
Body-Worn Test Data (10mm) - Power Level C2									
376500	1882.5	1@214	Front	/	23.54	24.0	0.253	0.28	0.08
376500	1882.5	1@214	Rear	/	23.54	24.0	0.356	0.40	0.14

Table 13.62: SAR Values (NR n30 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
462000	2310.0	25@12	Left Cheek	/	21.06	22.0	0.470	0.58	-0.03
462000	2310.0	25@12	Left Tilt	/	21.06	22.0	0.388	0.48	0.05
462000	2310.0	25@12	Right Cheek	49	21.06	22.0	0.537	0.67	0.05
462000	2310.0	25@12	Right Tilt	/	21.06	22.0	0.447	0.56	-0.16

Table 13.63: SAR Values (NR n30 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
462000	2310.0	25@12	Front	/	22.74	24.0	0.200	0.27	-0.12
462000	2310.0	25@12	Rear	/	22.74	24.0	0.278	0.37	0.08
462000	2310.0	25@12	Left	/	22.74	24.0	0.186	0.25	0.04
462000	2310.0	25@12	Right	/	22.74	24.0	0.062	0.08	0.03
462000	2310.0	25@12	Top	50	22.74	24.0	0.491	0.66	0.07
Body-Worn Test Data (10mm) - Power Level C2									
462000	2310.0	25@12	Front	/	22.74	24.0	0.200	0.27	-0.12
462000	2310.0	25@12	Rear	/	22.74	24.0	0.278	0.37	0.08

Table 13.64: SAR Values (NR n41 PC2 - Head) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
527298	2636.49	25RB12	Left Cheek	51	25.75	26.0	0.615	0.65	0.02
527298	2636.49	25RB12	Left Tilt	/	25.75	26.0	0.187	0.20	0.02
527298	2636.49	25RB12	Right Cheek	/	25.75	26.0	0.303	0.32	0.16
527298	2636.49	25RB12	Right Tilt	/	25.75	26.0	0.362	0.38	0.03

Table 13.65: SAR Values (NR n41 PC2 - Body) - Ant.2

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
527298	2636.49	25RB12	Front	/	23.67	24.0	0.312	0.34	-0.05
527298	2636.49	25RB12	Rear	/	23.67	24.0	0.565	0.61	-0.04
527298	2636.49	25RB12	Left	/	23.67	24.0	0.459	0.50	0.06
527298	2636.49	25RB12	Right	/	23.67	24.0	0.023	0.03	0.02
527298	2636.49	25RB12	Bottom	/	23.67	24.0	0.123	0.13	0.08
Body-Worn Test Data (15mm) - Power Level C2									
527298	2636.49	25RB12	Front	/	26.78	27.0	0.339	0.36	-0.14
527298	2636.49	25RB12	Rear	52	26.78	27.0	0.743	0.78	0.17

Table 13.66: SAR Values (NR n41 PC2 - Head) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
501204	2506.02	25RB12	Left Cheek	/	21.14	22.0	0.441	0.54	0.05
501204	2506.02	25RB12	Left Tilt	/	21.14	22.0	0.061	0.07	0.03
501204	2506.02	25RB12	Right Cheek	/	21.14	22.0	0.577	0.70	0.06
501204	2506.02	25RB12	Right Tilt	/	21.14	22.0	0.061	0.07	0.02

Table 13.67: SAR Values (NR n41 PC2 - Body) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
501204	2506.02	25RB12	Front	/	24.31	25.0	0.312	0.37	0.05
501204	2506.02	25RB12	Rear	/	24.31	25.0	0.294	0.34	-0.03
501204	2506.02	25RB12	Left	/	24.31	25.0	0.032	0.04	0.09
501204	2506.02	25RB12	Right	/	24.31	25.0	0.596	0.70	0.09
501204	2506.02	25RB12	Top	/	24.31	25.0	0.016	0.02	0.02
Body-Worn Test Data (15mm) - Power Level C2									
501204	2506.02	25RB12	Front	/	24.31	25.0	0.171	0.20	-0.11
501204	2506.02	25RB12	Rear	/	24.31	25.0	0.162	0.19	0.03

Table 13.68: SAR Values (NR n66 - Head) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
355500	1777.5	12RB6	Left Cheek	/	23.18	24.0	0.287	0.35	0.07
355500	1777.5	12RB6	Left Tilt	/	23.18	24.0	0.203	0.25	-0.07
355500	1777.5	12RB6	Right Cheek	/	23.18	24.0	0.292	0.35	0.03
355500	1777.5	12RB6	Right Tilt	/	23.18	24.0	0.194	0.23	0.05

Table 13.69: SAR Values (NR n66 - Body) - Ant.1

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
355500	1777.5	12RB6	Front	/	19.27	20.0	0.091	0.11	-0.07
355500	1777.5	12RB6	Rear	54	19.27	20.0	0.561	0.66	0.11
355500	1777.5	12RB6	Left	/	19.27	20.0	0.075	0.09	0.20
355500	1777.5	12RB6	Right	/	19.27	20.0	0.088	0.10	-0.08
355500	1777.5	12RB6	Bottom	/	19.27	20.0	0.257	0.30	-0.12
Body-Worn Test Data (15mm) - Power Level C2									
355500	1777.5	12RB6	Front	/	20.29	21.0	0.100	0.12	-0.09
355500	1777.5	12RB6	Rear	/	20.29	21.0	0.407	0.48	-0.06

Table 13.70: SAR Values (NR n66 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
349000	1745.0	12@6	Left Cheek	/	21.27	22.0	0.320	0.38	0.10
349000	1745.0	12@6	Left Tilt	/	21.27	22.0	0.262	0.31	0.04
349000	1745.0	12@6	Right Cheek	53	21.27	22.0	0.548	0.65	-0.11
349000	1745.0	12@6	Right Tilt	/	21.27	22.0	0.242	0.29	-0.05

Table 13.71: SAR Values (NR n66 - Body) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
349000	1745.0	12@6	Front	/	23.27	24.0	0.174	0.21	0.01
349000	1745.0	12@6	Rear	/	23.27	24.0	0.267	0.32	-0.05
349000	1745.0	12@6	Left	/	23.27	24.0	0.205	0.24	0.02
349000	1745.0	12@6	Right	/	23.27	24.0	0.098	0.12	0.03
349000	1745.0	12@6	Top	/	23.27	24.0	0.258	0.31	0.06
Body-Worn Test Data (10mm) - Power Level C2									
349000	1745.0	12@6	Front	/	23.27	24.0	0.174	0.21	0.01
349000	1745.0	12@6	Rear	/	23.27	24.0	0.267	0.32	-0.05

Table 13.72: SAR Values (NR n71 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
133100	665.5	12RB6	Left Cheek	55	23.34	24.0	0.245	0.29	0.12
133100	665.5	12RB6	Left Tilt	/	23.34	24.0	0.110	0.13	0.08
133100	665.5	12RB6	Right Cheek	/	23.34	24.0	0.236	0.27	0.05
133100	665.5	12RB6	Right Tilt	/	23.34	24.0	0.103	0.12	-0.10

Table 13.73: SAR Values (NR n71 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
133100	665.5	12RB6	Front	/	23.34	24.0	0.246	0.29	0.04
133100	665.5	12RB6	Rear	56	23.34	24.0	0.324	0.38	0.03
133100	665.5	12RB6	Left	/	23.34	24.0	0.226	0.26	0.04
133100	665.5	12RB6	Right	/	23.34	24.0	0.251	0.29	0.02
133100	665.5	12RB6	Bottom	/	23.34	24.0	0.036	0.04	0.06
Body-Worn Test Data (10mm) - Power Level C2									
133100	665.5	12RB6	Front	/	23.34	24.0	0.246	0.29	0.04
133100	665.5	12RB6	Rear	/	23.34	24.0	0.324	0.38	0.03

Table 13.74: SAR Values (NR n77 Part 27Q PC2 - Head) – Ant.3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
633334	3500.01	1@1	Left Cheek	/	23.38	25.0	0.009	0.01	0.09
633334	3500.01	1@1	Left Tilt	/	23.38	25.0	0.003	<0.01	0.14
633334	3500.01	1@1	Right Cheek	/	23.38	25.0	<0.01	<0.01	0.00
633334	3500.01	1@1	Right Tilt	/	23.38	25.0	0.006	0.01	0.04

Table 13.75: SAR Values (NR n77 Part 27Q PC2 - Body) – Ant.3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
633334	3500.01	1@1	Front	/	17.20	19.0	0.008	0.01	-0.12
633334	3500.01	1@1	Rear	/	17.20	19.0	0.152	0.23	0.09
633334	3500.01	1@1	Left	/	17.20	19.0	0.023	0.03	-0.18
633334	3500.01	1@1	Right	/	17.20	19.0	0.008	0.01	0.15
633334	3500.01	1@1	Bottom	/	17.20	19.0	0.010	0.01	0.01
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.01	1@1	Front	/	17.20	19.0	0.004	0.01	0.03
633334	3500.01	1@1	Rear	/	17.20	19.0	0.100	0.15	0.08

Table 13.76: SAR Values (NR n77 Part 27Q PC2 - Head) – Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
633334	3500.01	1@1	Left Cheek	/	26.01	27.0	0.227	0.29	0.03
633334	3500.01	1@1	Left Tilt	/	26.01	27.0	0.121	0.15	0.01
633334	3500.01	1@1	Right Cheek	/	26.01	27.0	0.419	0.53	0.01
633334	3500.01	1@1	Right Tilt	/	26.01	27.0	0.183	0.23	-0.07

Table 13.77: SAR Values (NR n77 Part 27Q PC2 - Body) – Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
633334	3500.01	1@1	Front	/	16.14	17.0	0.014	0.02	0.15
633334	3500.01	1@1	Rear	/	16.14	17.0	0.332	0.40	-0.02
633334	3500.01	1@1	Left	/	16.14	17.0	0.131	0.16	-0.13
633334	3500.01	1@1	Right	/	16.14	17.0	0.009	0.01	0.08
633334	3500.01	1@1	Top	/	16.14	17.0	0.030	0.04	0.09
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.01	1@1	Front	/	18.23	19.0	0.016	0.02	0.02
633334	3500.01	1@1	Rear	/	18.23	19.0	0.298	0.36	0.01

Table 13.78: SAR Values (NR n77 Part 27Q PC2 - Head) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
633334	3500.01	1@1	Left Cheek	/	20.28	21.0	0.351	0.41	0.08
633334	3500.01	1@1	Left Tilt	/	20.28	21.0	0.105	0.12	0.13
633334	3500.01	1@1	Right Cheek	57	20.28	21.0	0.538	0.64	0.03
633334	3500.01	1@1	Right Tilt	/	20.28	21.0	0.209	0.25	0.03

Table 13.79: SAR Values (NR n77 Part 27Q PC2 - Body) – Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
633334	3500.01	1@1	Front	/	22.30	23.0	0.146	0.17	-0.18
633334	3500.01	1@1	Rear	58	22.30	23.0	0.392	0.46	-0.09
633334	3500.01	1@1	Left	/	22.30	23.0	0.339	0.40	0.07
633334	3500.01	1@1	Right	/	22.30	23.0	0.027	0.03	0.04
633334	3500.01	1@1	Top	/	22.30	23.0	0.155	0.18	-0.02
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.01	1@1	Front	/	23.85	25.0	0.133	0.17	0.04
633334	3500.01	1@1	Rear	/	23.85	25.0	0.375	0.49	0.01

Table 13.80: SAR Values (NR n77 Part 27Q PC2 - Head) – Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
633334	3500.01	1@1	Left Cheek	/	22.06	22.5	0.055	0.06	-0.07
633334	3500.01	1@1	Left Tilt	/	22.06	22.5	0.002	<0.01	-0.11
633334	3500.01	1@1	Right Cheek	/	22.06	22.5	0.116	0.13	0.15
633334	3500.01	1@1	Right Tilt	/	22.06	22.5	0.009	0.01	-0.17

Table 13.81: SAR Values (NR n77 Part 27Q PC2 - Body) – Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
633334	3500.0	1@1	Front	/	19.66	20.0	0.049	0.05	-0.06
633334	3500.0	1@1	Rear	/	19.66	20.0	0.066	0.07	-0.05
633334	3500.0	1@1	Left	/	19.66	20.0	0.044	0.05	0.12
633334	3500.0	1@1	Right	/	19.66	20.0	0.110	0.12	0.19
633334	3500.0	1@1	Top	/	19.66	20.0	0.047	0.05	0.02
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.0	1@1	Front	/	22.06	22.5	0.015	0.02	0.03
633334	3500.0	1@1	Rear	/	22.06	22.5	0.022	0.02	0.09

Table 13.82: SAR Values (NR n77 Part 270 PC2 - Head) - Ant.3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
656000	3840.0	1@1	Left Cheek	/	24.16	25.0	0.007	0.01	0.03
656000	3840.0	1@1	Left Tilt	/	24.16	25.0	0.007	0.01	0.06
656000	3840.0	1@1	Right Cheek	/	24.16	25.0	0.033	0.04	0.02
656000	3840.0	1@1	Right Tilt	/	24.16	25.0	0.004	0.00	0.04

Table 13.83: SAR Values (NR n77 Part 270 PC2 - Body) - Ant.3

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
656000	3840.0	1@1	Front	/	18.12	19.0	0.044	0.05	-0.14
656000	3840.0	1@1	Rear	/	18.12	19.0	0.550	0.67	0.08
656000	3840.0	1@1	Left	/	18.12	19.0	0.115	0.14	-0.13
656000	3840.0	1@1	Right	/	18.12	19.0	0.044	0.05	0.08
656000	3840.0	1@1	Bottom	/	18.12	19.0	0.085	0.10	-0.16
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	1@1	Front	15mm	18.12	19.0	0.004	0.01	0.03
656000	3840.0	1@1	Rear	15mm	18.12	19.0	0.100	0.12	0.08

Table 13.84: SAR Values (NR n77 Part 270 PC2 - Head) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
656000	3840.0	25@12	Left Cheek	/	26.33	27.0	0.289	0.34	-0.02
656000	3840.0	25@12	Left Tilt	/	26.33	27.0	0.154	0.18	0.14
656000	3840.0	25@12	Right Cheek	/	26.33	27.0	0.534	0.62	0.08
656000	3840.0	25@12	Right Tilt	/	26.33	27.0	0.233	0.27	-0.08

Table 13.85: SAR Values (NR n77 Part 270 PC2 - Body) - Ant.5

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
656000	3840.0	25@12	Front	/	16.46	17.0	0.014	0.02	0.12
656000	3840.0	25@12	Rear	/	16.46	17.0	0.523	0.59	0.04
656000	3840.0	25@12	Left	/	16.46	17.0	0.116	0.13	-0.03
656000	3840.0	25@12	Right	/	16.46	17.0	0.011	0.01	-0.10
656000	3840.0	25@12	Top	/	16.46	17.0	0.036	0.04	0.13
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	25@12	Front	/	18.46	19.0	0.021	0.02	0.04
656000	3840.0	25@12	Rear	/	18.46	19.0	0.502	0.57	-0.11

Table 13.86: SAR Values (NR n77 Part 270 PC2 - Head) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
656000	3840.0	25@12	Left Cheek	/	20.79	21.0	0.052	0.05	0.05
656000	3840.0	25@12	Left Tilt	/	20.79	21.0	0.053	0.06	0.15
656000	3840.0	25@12	Right Cheek	/	20.79	21.0	0.085	0.09	0.03
656000	3840.0	25@12	Right Tilt	/	20.79	21.0	0.069	0.07	0.02

Table 13.87: SAR Values (NR n77 Part 270 PC2 - Body) - Ant.6

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
656000	3840.0	25@12	Front	/	22.64	23.0	0.028	0.03	0.06
656000	3840.0	25@12	Rear	/	22.64	23.0	0.172	0.19	0.09
656000	3840.0	25@12	Left	/	22.64	23.0	0.070	0.08	0.16
656000	3840.0	25@12	Right	/	22.64	23.0	0.018	0.02	0.09
656000	3840.0	25@12	Top	/	22.64	23.0	0.056	0.06	0.18
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	25@12	Front	/	24.72	25.0	0.023	0.02	0.04
656000	3840.0	25@12	Rear	/	24.72	25.0	0.148	0.16	0.11

Table 13.88: SAR Values (NR n77 Part 270 PC2 - Head) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
656000	3840.0	25@12	Left Cheek	/	21.78	22.5	0.252	0.30	0.02
656000	3840.0	25@12	Left Tilt	/	21.78	22.5	0.086	0.10	-0.06
656000	3840.0	25@12	Right Cheek	59	21.78	22.5	0.640	0.76	0.05
656000	3840.0	25@12	Right Tilt	/	21.78	22.5	0.068	0.08	-0.12

Table 13.89: SAR Values (NR n77 Part 270 PC2 - Body) - Ant.7

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
656000	3840.0	25@12	Front	/	19.65	20.0	0.276	0.30	0.02
656000	3840.0	25@12	Rear	/	19.65	20.0	0.545	0.59	-0.05
656000	3840.0	25@12	Left	/	19.65	20.0	0.033	0.04	-0.11
656000	3840.0	25@12	Right	60	19.65	20.0	0.705	0.76	0.14
656000	3840.0	25@12	Top	/	19.65	20.0	0.041	0.04	-0.07
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	25@12	Front	/	21.78	22.5	0.168	0.20	0.02
656000	3840.0	25@12	Rear	/	21.78	22.5	0.381	0.45	0.05

Table 13.90: SAR Values (NR n78 - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level A2									
630668	3460.0	25@12	Left Cheek	/	23.52	24.0	0.113	0.13	0.06
630668	3460.0	25@12	Left Tilt	/	23.52	24.0	0.073	0.08	0.01
630668	3460.0	25@12	Right Cheek	61	23.52	24.0	0.223	0.25	0.03
630668	3460.0	25@12	Right Tilt	/	23.52	24.0	0.124	0.14	0.04

Table 13.91: SAR Values (NR n78 - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level B2									
630668	3460.0	25@12	Front	/	18.69	19.0	0.018	0.02	-0.03
630668	3460.0	25@12	Rear	62	18.69	19.0	0.472	0.51	-0.18
630668	3460.0	25@12	Left	/	18.69	19.0	0.175	0.19	0.03
630668	3460.0	25@12	Right	/	18.69	19.0	0.011	0.01	0.18
630668	3460.0	25@12	Top	/	18.69	19.0	0.037	0.04	-0.09
Body-Worn Test Data (15mm) - Power Level C2									
630668	3460.0	25@12	Front	/	20.67	21.0	0.014	0.01	0.08
630668	3460.0	25@12	Rear	/	20.67	21.0	0.441	0.48	-0.03

13.4. Test Results for Bluetooth

Table 13.92: SAR Values (Bluetooth - Head)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
78	2480.0	GFSK	Left Cheek	63	12.35	13.0	0.061	0.07	0.04
78	2480.0	GFSK	Left Tilt	/	12.35	13.0	0.047	0.05	0.03
78	2480.0	GFSK	Right Cheek	/	12.35	13.0	0.033	0.04	0.09
78	2480.0	GFSK	Right Tilt	/	12.35	13.0	0.045	0.05	0.03

Table 13.93: SAR Values (Bluetooth - Body)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (10mm)									
78	2480.0	GFSK	Front	/	12.35	13.0	0.019	0.02	0.02
78	2480.0	GFSK	Rear	/	12.35	13.0	0.028	0.03	0.03
78	2480.0	GFSK	Right	/	12.35	13.0	0.003	<0.01	0.09
78	2480.0	GFSK	Top	64	12.35	13.0	0.029	0.03	-0.03
Test Data (15mm)									
78	2480.0	GFSK	Front	/	12.35	13.0	0.013	0.02	-0.05
78	2480.0	GFSK	Rear	/	12.35	13.0	0.016	0.02	0.08

13.5. WLAN Evaluation for 2.4G

According to the KDB248227 D01, SAR is measured for 2.4GHz 802.11b DSSS using the initial test position procedure.

Table 13.94: SAR Values (WLAN 2.4GHz - Head) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level D1									
1	2412.0	802.11b	Left Cheek	/	19.72	20.0	0.564	0.60	0.04
1	2412.0	802.11b	Left Tilt	/	19.72	20.0	0.384	0.41	0.01
1	2412.0	802.11b	Right Cheek	/	19.72	20.0	0.327	0.35	0.05
1	2412.0	802.11b	Right Tilt	/	19.72	20.0	0.218	0.23	0.11
Power Level D2									
1	2412.0	802.11b	Left Cheek	/	16.72	17.0	0.256	0.27	-0.06
1	2412.0	802.11b	Left Tilt	/	16.72	17.0	0.174	0.19	0.02
1	2412.0	802.11b	Right Cheek	/	16.72	17.0	0.148	0.16	0.20
1	2412.0	802.11b	Right Tilt	/	16.72	17.0	0.099	0.11	-0.16

Table 13.95: SAR Values (WLAN 2.4GHz - Head) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Power Level D1									
11	2462.0	802.11b	Left Cheek	65	19.76	20.0	0.637	0.67	-0.08
11	2462.0	802.11b	Left Tilt	/	19.76	20.0	0.312	0.33	0.06
11	2462.0	802.11b	Right Cheek	/	19.76	20.0	0.382	0.40	0.06
11	2462.0	802.11b	Right Tilt	/	19.76	20.0	0.331	0.35	0.05
Power Level D2									
11	2462.0	802.11b	Left Cheek	/	16.75	17.0	0.301	0.32	-0.14
11	2462.0	802.11b	Left Tilt	/	16.75	17.0	0.147	0.16	0.19
11	2462.0	802.11b	Right Cheek	/	16.75	17.0	0.181	0.19	0.01
11	2462.0	802.11b	Right Tilt	/	16.75	17.0	0.156	0.17	0.20

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.96: SAR Values (WLAN - Head) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Left Cheek	100%	100%	0.67	0.67

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

Table 13.97: SAR Values (WLAN 2.4GHz - Body) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level E1									
1	2412.0	802.11b	Front	/	19.72	20.0	0.078	0.08	-0.12
1	2412.0	802.11b	Rear	/	19.72	20.0	0.225	0.24	-0.01
1	2412.0	802.11b	Right	/	19.72	20.0	0.078	0.08	-0.03
1	2412.0	802.11b	Top	/	19.72	20.0	0.081	0.09	-0.09
Hotspot Test Data (10mm) - Power Level E2									
1	2412.0	802.11b	Front	/	16.72	17.0	0.042	0.04	-0.16
1	2412.0	802.11b	Rear	/	16.72	17.0	0.121	0.13	0.09
1	2412.0	802.11b	Right	/	16.72	17.0	0.042	0.05	-0.16
1	2412.0	802.11b	Top	/	16.72	17.0	0.043	0.05	0.17
Body-Worn Test Data (10mm) - Power Level F1/F2									
1	2412.0	802.11b	Front	/	19.72	20.0	0.040	0.04	0.08
1	2412.0	802.11b	Rear	/	19.72	20.0	0.122	0.13	0.10

Table 13.98: SAR Values (WLAN 2.4GHz - Body) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Hotspot Test Data (10mm) - Power Level E1									
11	2462.0	802.11b	Front	/	19.76	20.0	0.169	0.18	0.03
11	2462.0	802.11b	Rear	66	19.76	20.0	0.386	0.41	-0.02
11	2462.0	802.11b	Right	/	19.76	20.0	0.300	0.32	0.18
11	2462.0	802.11b	Top	/	19.76	20.0	0.205	0.22	0.04
Hotspot Test Data (10mm) - Power Level E2									
11	2462.0	802.11b	Front	/	16.75	17.0	0.084	0.09	-0.19
11	2462.0	802.11b	Rear	/	16.75	17.0	0.192	0.20	0.01
11	2462.0	802.11b	Right	/	16.75	17.0	0.149	0.16	0.17
11	2462.0	802.11b	Top	/	16.75	17.0	0.102	0.11	-0.08
Body-Worn Test Data (10mm) - Power Level F1/F2									
11	2462.0	802.11b	Front	/	19.76	20.0	0.116	0.12	0.08
11	2462.0	802.11b	Rear	/	19.76	20.0	0.234	0.25	0.02

Note: For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.99: SAR Values (WLAN - Body) – 802.11b (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
11	2462.0	Rear	100%	100%	0.41	0.41

SAR is not required for OFDM because the 802.11b adjusted SAR ≤ 1.2 W/kg.

13.6. WLAN Evaluation for 5G

Table 13.100: SAR Values (WLAN 5GHz - Head) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level D1									
64	5320.0	802.11a	Left Cheek	67	14.57	15.5	0.738	0.91	0.16
64	5320.0	802.11a	Left Tilt	/	14.57	15.5	0.589	0.73	-0.05
64	5320.0	802.11a	Right Cheek	/	14.57	15.5	0.515	0.64	-0.10
64	5320.0	802.11a	Right Tilt	/	14.57	15.5	0.432	0.54	0.01
60	5300.0	802.11a	Left Cheek	/	14.57	15.5	0.680	0.84	0.18
<U-NII-2C> - Power Level D1									
124	5620.0	802.11a	Left Cheek	/	16.93	17.5	0.339	0.39	0.08
124	5620.0	802.11a	Left Tilt	/	16.93	17.5	0.286	0.33	-0.14
124	5620.0	802.11a	Right Cheek	/	16.93	17.5	0.240	0.27	-0.03
124	5620.0	802.11a	Right Tilt	/	16.93	17.5	0.252	0.29	-0.15
<U-NII-3> - Power Level D1									
149	5745.0	802.11a	Left Cheek	/	16.63	17.0	0.427	0.46	0.02
149	5745.0	802.11a	Left Tilt	/	16.63	17.0	0.462	0.50	0.07
149	5745.0	802.11a	Right Cheek	/	16.63	17.0	0.361	0.39	0.19
149	5745.0	802.11a	Right Tilt	/	16.63	17.0	0.410	0.45	-0.06
<U-NII-2A> - Power Level D2									
64	5320.0	802.11a	Left Cheek	/	10.82	11.5	0.218	0.25	0.10
64	5320.0	802.11a	Left Tilt	/	10.82	11.5	0.174	0.20	-0.08
64	5320.0	802.11a	Right Cheek	/	10.82	11.5	0.152	0.18	-0.01
64	5320.0	802.11a	Right Tilt	/	10.82	11.5	0.127	0.15	-0.07
<U-NII-2C> - Power Level D2									
124	5620.0	802.11a	Left Cheek	/	14.91	15.5	0.190	0.22	-0.11
124	5620.0	802.11a	Left Tilt	/	14.91	15.5	0.160	0.18	0.04
124	5620.0	802.11a	Right Cheek	/	14.91	15.5	0.135	0.15	-0.01
124	5620.0	802.11a	Right Tilt	/	14.91	15.5	0.141	0.16	-0.10
<U-NII-3> - Power Level D2									
149	5745.0	802.11a	Left Cheek	/	14.63	15.0	0.243	0.26	0.07
149	5745.0	802.11a	Left Tilt	/	14.63	15.0	0.263	0.29	0.05
149	5745.0	802.11a	Right Cheek	/	14.63	15.0	0.205	0.22	-0.03
149	5745.0	802.11a	Right Tilt	/	14.63	15.0	0.233	0.25	0.17

Table 13.101: SAR Values (WLAN 5GHz - Head) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Power Level D1									
52	5260.0	802.11a	Left Cheek	/	14.54	15.5	0.217	0.27	0.08
52	5260.0	802.11a	Left Tilt	/	14.54	15.5	0.143	0.18	0.03
52	5260.0	802.11a	Right Cheek	/	14.54	15.5	0.082	0.10	-0.14
52	5260.0	802.11a	Right Tilt	/	14.54	15.5	0.077	0.10	0.07
<U-NII-2C> - Power Level D1									
100	5500.0	802.11a	Left Cheek	/	16.49	17.5	0.369	0.47	0.18
100	5500.0	802.11a	Left Tilt	/	16.49	17.5	0.236	0.30	-0.18
100	5500.0	802.11a	Right Cheek	/	16.49	17.5	0.137	0.17	-0.14
100	5500.0	802.11a	Right Tilt	/	16.49	17.5	0.149	0.19	0.07
<U-NII-3> - Power Level D1									
165	5825.0	802.11a	Left Cheek	/	16.02	17.0	0.333	0.42	0.04
165	5825.0	802.11a	Left Tilt	/	16.02	17.0	0.215	0.27	0.04
165	5825.0	802.11a	Right Cheek	/	16.02	17.0	0.152	0.19	0.09
165	5825.0	802.11a	Right Tilt	/	16.02	17.0	0.156	0.20	0.04
<U-NII-2A> - Power Level D2									
52	5260.0	802.11a	Left Cheek	/	10.65	11.5	0.086	0.10	0.03
52	5260.0	802.11a	Left Tilt	/	10.65	11.5	0.057	0.07	0.12
52	5260.0	802.11a	Right Cheek	/	10.65	11.5	0.033	0.04	-0.07
52	5260.0	802.11a	Right Tilt	/	10.65	11.5	0.031	0.04	0.05
<U-NII-2C> - Power Level D2									
100	5500.0	802.11a	Left Cheek	/	14.44	15.5	0.223	0.28	-0.04
100	5500.0	802.11a	Left Tilt	/	14.44	15.5	0.143	0.18	-0.06
100	5500.0	802.11a	Right Cheek	/	14.44	15.5	0.083	0.11	-0.11
100	5500.0	802.11a	Right Tilt	/	14.44	15.5	0.090	0.12	0.00
<U-NII-3> - Power Level D2									
165	5825.0	802.11a	Left Cheek	/	14.18	15.0	0.212	0.26	0.04
165	5825.0	802.11a	Left Tilt	/	14.18	15.0	0.137	0.17	0.02
165	5825.0	802.11a	Right Cheek	/	14.18	15.0	0.097	0.12	0.09
165	5825.0	802.11a	Right Tilt	/	14.18	15.0	0.099	0.12	0.04

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is $\leq 1.2\text{W/kg}$, SAR is not required for U-NII-1 band.
2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is $> 0.8\text{ W/kg}$, SAR is measured for these test positions/configurations on



the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.102: SAR Values (WLAN - Head) – 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
64	5320.0	Left Cheek	100%	100%	1.06	0.91

Table 13.103: SAR Values (WLAN 5GHz - Body) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E1									
36	5180.0	802.11a	Front	/	14.94	15.5	0.185	0.21	-0.04
36	5180.0	802.11a	Rear	/	14.94	15.5	0.048	0.05	0.03
36	5180.0	802.11a	Right	/	14.94	15.5	0.063	0.07	-0.11
36	5180.0	802.11a	Top	/	14.94	15.5	0.112	0.13	0.10
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E1									
149	5745.0	802.11a	Front	/	15.33	16.0	0.161	0.19	-0.14
149	5745.0	802.11a	Rear	/	15.33	16.0	0.045	0.05	0.05
149	5745.0	802.11a	Right	/	15.33	16.0	0.059	0.07	0.16
149	5745.0	802.11a	Top	/	15.33	16.0	0.299	0.35	-0.04
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E2									
36	5180.0	802.11a	Front	/	10.96	11.5	0.068	0.08	0.08
36	5180.0	802.11a	Rear	/	10.96	11.5	0.017	0.02	-0.05
36	5180.0	802.11a	Right	/	10.96	11.5	0.023	0.03	0.01
36	5180.0	802.11a	Top	/	10.96	11.5	0.041	0.05	-0.06
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E2									
149	5745.0	802.11a	Front	/	11.18	12.0	0.049	0.06	0.11
149	5745.0	802.11a	Rear	/	11.18	12.0	0.013	0.02	-0.13
149	5745.0	802.11a	Right	/	11.18	12.0	0.018	0.02	0.14
149	5745.0	802.11a	Top	/	11.18	12.0	0.090	0.11	0.04

Table 13.104: SAR Values (WLAN 5GHz - Body) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E1									
36	5180.0	802.11a	Front	/	14.85	15.5	0.070	0.08	0.09
36	5180.0	802.11a	Rear	/	14.85	15.5	0.746	0.87	0.07
36	5180.0	802.11a	Right	/	14.85	15.5	0.471	0.55	-0.11
36	5180.0	802.11a	Top	/	14.85	15.5	0.088	0.10	0.00
40	5200.0	802.11a	Rear	/	14.85	15.5	0.753	0.87	0.04
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E1									
165	5825.0	802.11a	Front	/	15.07	16.0	0.088	0.11	0.02
165	5825.0	802.11a	Rear	/	15.07	16.0	0.675	0.84	-0.11
165	5825.0	802.11a	Right	/	15.07	16.0	0.388	0.48	-0.11
165	5825.0	802.11a	Top	/	15.07	16.0	0.090	0.11	0.05
157	5785.0	802.11a	Rear	/	15.05	16.0	0.641	0.80	0.06
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E2									
36	5180.0	802.11a	Front	/	10.85	11.5	0.028	0.03	-0.04
36	5180.0	802.11a	Rear	/	10.85	11.5	0.297	0.34	0.16
36	5180.0	802.11a	Right	/	10.85	11.5	0.188	0.22	-0.08
36	5180.0	802.11a	Top	/	10.85	11.5	0.035	0.04	0.14
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E2									
165	5825.0	802.11a	Front	/	11.06	12.0	0.035	0.04	0.12
165	5825.0	802.11a	Rear	/	11.06	12.0	0.267	0.33	0.09
165	5825.0	802.11a	Right	/	11.06	12.0	0.153	0.19	0.09
165	5825.0	802.11a	Top	/	11.06	12.0	0.036	0.04	0.18

Table 13.105: SAR Values (WLAN 5GHz - Body) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F1									
64	5320.0	802.11a	Front	/	16.56	17.5	0.149	0.19	0.05
64	5320.0	802.11a	Rear	/	16.56	17.5	0.022	0.03	0.04
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F1									
124	5620.0	802.11a	Front	/	16.93	17.5	0.063	0.07	0.07
124	5620.0	802.11a	Rear	/	16.93	17.5	0.018	0.02	-0.05
< U-NII-3> - Body-Worn Test Data (10mm) - Power Level F1									
149	5745.0	802.11a	Front	/	16.63	17.0	0.072	0.08	0.09
149	5745.0	802.11a	Rear	/	16.63	17.0	0.021	0.02	0.01
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F2									
64	5320.0	802.11a	Front	/	13.59	14.5	0.066	0.08	0.10
64	5320.0	802.11a	Rear	/	13.59	14.5	0.010	0.01	-0.19
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F2									
124	5620.0	802.11a	Front	/	13.73	14.5	0.004	0.01	0.07
124	5620.0	802.11a	Rear	/	13.73	14.5	0.001	<0.01	-0.16
< U-NII-3> - Body-Worn Test Data (10mm) - Power Level F2									
149	5745.0	802.11a	Front	/	14.63	15.0	0.037	0.04	0.02
149	5745.0	802.11a	Rear	/	14.63	15.0	0.011	0.01	0.16

Table 13.106: SAR Values (WLAN 5GHz - Body) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(1g) (W/kg)	Reported SAR(1g) (W/kg)	Power Drift(dB)
Ch.	MHz								
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F1									
52	5260.0	802.11a	Front	/	16.61	17.5	0.077	0.09	0.06
52	5260.0	802.11a	Rear	/	16.61	17.5	0.725	0.89	0.05
56	5280.0	802.11a	Rear	/	16.56	17.5	0.697	0.87	0.05
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F1									
100	5500.0	802.11a	Front	/	16.49	17.5	0.042	0.05	0.13
100	5500.0	802.11a	Rear	68	16.49	17.5	0.764	0.96	0.01
124	5620.0	802.11a	Rear	/	16.45	17.5	0.739	0.94	0.03
< U-NII-3> - Body-Worn Test Data (10mm) - Power Level F1									
165	5825.0	802.11a	Front	/	16.02	17.0	0.078	0.10	0.13
165	5825.0	802.11a	Rear	/	16.02	17.0	0.574	0.72	-0.10
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F2									
52	5260.0	802.11a	Front	/	13.58	14.5	0.038	0.05	-0.07
52	5260.0	802.11a	Rear	/	13.58	14.5	0.354	0.44	0.04
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F2									
100	5500.0	802.11a	Front	/	13.45	14.5	0.021	0.03	0.11
100	5500.0	802.11a	Rear	/	13.45	14.5	0.381	0.49	0.03
< U-NII-3> - Body-Worn Test Data (10mm) - Power Level F2									
165	5825.0	802.11a	Front	/	14.18	15.0	0.053	0.06	0.16
165	5825.0	802.11a	Rear	/	14.18	15.0	0.392	0.47	-0.03

Note:

1. U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
2. For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

According to the KDB248227 D01, The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

Table 13.107: SAR Values (WLAN - Body) – 802.11a (Scaled Reported SAR)

Frequency		Test Position	Actual duty factor	maximum duty factor	Reported SAR (1g)(W/kg)	Scaled reported SAR (1g)(W/kg)
Ch.	MHz					
100	5500.0	Rear	100%	100%	0.96	0.96

13.7. Product specific 10g SAR

Table 13.108: SAR Values (LTE Band 4 - Extremity)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (0mm) - Power Level C1									
20300	1745.0	1RB0	Rear	/	21.87	23.0	2.240	2.91	-0.04
20050	1720.0	50RB25	Rear	/	20.81	22.0	1.970	2.59	0.15
20170	1732.5	1RB0	Rear	/	21.77	23.0	2.410	3.20	-0.15
20050	1720.0	1RB0	Rear	69	21.69	23.0	2.510	3.39	0.05
20300	1745.0	50RB25	Rear	/	20.80	22.0	1.890	2.49	0.04
20170	1732.5	50RB25	Rear	/	20.76	22.0	1.900	2.53	0.03
20300	1745.0	100RB	Rear	/	20.76	22.0	1.850	2.46	0.02

Table 13.109: SAR Values (LTE Band 66 - Extremity)

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
Test Data (0mm) - Power Level C1									
132572	1770.0	1RB0	Rear	/	21.95	23.0	2.230	2.84	0.01
132572	1770.0	50RB25	Rear	/	20.97	22.0	2.100	2.66	0.03
132322	1745.0	1RB0	Rear	/	21.85	23.0	2.340	3.05	0.10
132072	1720.0	1RB0	Rear	70	21.72	23.0	2.520	3.38	0.08
132322	1745.0	50RB25	Rear	/	20.90	22.0	1.760	2.27	-0.16
132072	1720.0	50RB25	Rear	/	20.87	22.0	1.930	2.50	0.11
132572	1770.0	100RB	Rear	/	20.91	22.0	1.710	2.20	0.12

Table 13.110: SAR Values (WLAN5G - Extremity) - Ant.8

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Test Data (0mm) - Power Level F1									
64	5320.0	802.11a	Front	/	16.56	17.5	0.523	0.65	0.03
64	5320.0	802.11a	Rear	/	16.56	17.5	0.110	0.14	0.09
64	5320.0	802.11a	Right	/	16.56	17.5	0.130	0.16	0.00
64	5320.0	802.11a	Top	/	16.56	17.5	0.265	0.33	-0.15
<U-NII-2C> - Test Data (0mm) - Power Level F1									
124	5620.0	802.11a	Front	/	16.93	17.5	0.200	0.23	-0.19
124	5620.0	802.11a	Rear	/	16.93	17.5	0.055	0.06	0.05
124	5620.0	802.11a	Right	/	16.93	17.5	0.050	0.06	0.16
124	5620.0	802.11a	Top	/	16.93	17.5	0.101	0.12	-0.10

Table 13.111: SAR Values (WLAN5G - Extremity) - Ant.9

Frequency		Test Mode	Test Position	Figure No./ Note	Conducted Power (dBm)	Max. tune-up Power (dBm)	Measured SAR(10g) (W/kg)	Reported SAR(10g) (W/kg)	Power Drift(dB)
Ch.	MHz								
<U-NII-2A> - Test Data (0mm) - Power Level F1									
52	5260.0	802.11a	Front	/	16.61	17.5	0.170	0.21	0.04
52	5260.0	802.11a	Rear	71	16.61	17.5	1.570	1.93	0.02
52	5260.0	802.11a	Right	/	16.61	17.5	1.010	1.24	0.05
52	5260.0	802.11a	Top	/	16.61	17.5	0.135	0.17	-0.04
<U-NII-2C> - Test Data (0mm) - Power Level F1									
100	5500.0	802.11a	Front	/	16.49	17.5	0.175	0.22	-0.11
100	5500.0	802.11a	Rear	/	16.49	17.5	1.300	1.64	0.19
100	5500.0	802.11a	Right	/	16.49	17.5	0.827	1.04	0.12
100	5500.0	802.11a	Top	/	16.49	17.5	0.142	0.18	0.09

14. SAR Measurement Variability

SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium.

The following procedures are applied to determine if repeated measurements are required.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

Table 14.1: SAR Measurement Variability for Body – WCDMA Band 2

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
9262	1852.4	Rear	0.871	0.856	1.02	/

Table 14.2: SAR Measurement Variability for Body – WCDMA Band 4

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
1413	1732.6	Rear	1.04	1.01	1.03	/

Table 14.3: SAR Measurement Variability for Body – LTE Band 4

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
20050	1720.0	Rear	0.942	0.925	1.02	/

Table 14.4: SAR Measurement Variability for Body – LTE Band 66

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
132072	1720.0	Rear	0.895	0.870	1.03	/

Table 14.5: SAR Measurement Variability for Extremity – LTE Band 4

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
20050	1720.0	Rear	2.51	2.44	1.03	/

Table 14.6: SAR Measurement Variability for Extremity – LTE Band 66

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
132072	1720.0	Rear	2.52	2.42	1.04	/

15. Measurement Uncertainty

15.1. Measurement Uncertainty for Normal SAR Tests (300MHz~3GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	12	N	2	1	1	6.0	6.0	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	Modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.8	R	$\sqrt{3}$	1	1	0.5	0.5	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	9
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	9
Combined standard uncertainty		$u_c = \sqrt{\sum_{i=1}^{23} c_i^2 u_i^2}$						11.3	11.2	95.5
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						22.6	22.4	

15.2. Measurement Uncertainty for Normal SAR Tests (3GHz~6GHz)

No.	Error Description	Type	Uncertainty value	Probably Distribution	Div.	(Ci) 1g	(Ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	Degree of freedom
Measurement system										
1	Probe calibration	B	13.1	N	2	1	1	6.65	6.65	∞
2	Axial isotropy	B	4.7	R	$\sqrt{3}$	$\sqrt{0.5}$	$\sqrt{0.5}$	4.3	4.3	∞
3	Hemispherical isotropy	B	9.6	R	$\sqrt{3}$	1	1	4.8	4.8	∞
4	Boundary effect	B	1.1	R	$\sqrt{3}$	1	1	0.6	0.6	∞
5	Linearity	B	4.7	R	$\sqrt{3}$	1	1	2.7	2.7	∞
6	Detection limit	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
7	modulation response	B	4.0	R	$\sqrt{3}$	1	1	2.3	2.3	∞
8	Readout electronics	B	1.0	N	1	1	1	1.0	1.0	∞
9	Response time	B	0.0	R	$\sqrt{3}$	1	1	0.0	0.0	∞
10	Integration time	B	1.7	R	$\sqrt{3}$	1	1	1.0	1.0	∞
11	RF ambient conditions-noise	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
12	RF ambient conditions-reflection	B	3.0	R	$\sqrt{3}$	1	1	1.7	1.7	∞
13	Probe positioned mech. Restrictions	B	0.35	R	$\sqrt{3}$	1	1	0.2	0.2	∞
14	Probe positioning with respect to phantom shell	B	2.9	R	$\sqrt{3}$	1	1	1.7	1.7	∞
15	Post-processing	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related										
16	Test sample positioning	A	3.3	N	1	1	1	3.3	3.3	5
17	Device holder uncertainty	A	3.4	N	1	1	1	3.4	3.4	5
18	Drift of output power	B	5.0	R	$\sqrt{3}$	1	1	2.9	2.9	∞
Phantom and set-up										
19	Phantom uncertainty	B	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
20	Liquid conductivity (target)	B	5.0	R	$\sqrt{3}$	0.64	0.43	1.8	1.2	∞
21	Liquid conductivity (meas.)	A	1.3	N	1	0.64	0.43	0.83	0.56	43
22	Liquid permittivity (target)	B	5.0	R	$\sqrt{3}$	0.6	0.49	1.7	1.4	∞
23	Liquid permittivity (meas.)	A	1.6	N	1	0.6	0.49	0.96	0.78	521
Combined standard uncertainty		$u_c' = \sqrt{\sum_{i=1}^{22} c_i^2 u_i^2}$						11.6	11.5	257
Expanded uncertainty (Confidence interval of 95 %)		$u_e = 2u_c$						23.2	23.0	

16. Main Test Instruments

Table 16.1: List of Main Instruments

No.	Name	Type	Serial Number	Calibration Date	Valid Period
01	Network analyzer	E5071C	MY46103759	2021-11-15	One year
02	Dielectric probe	85070E	MY44300317	/	/
03	Power meter	E4418B	MY50000366	2021-12-12	One year
04	Power sensor	E9304A	MY50000188	2021-12-12	One year
05	Power meter	NRP	101260	2021-12-30	One year
06	Power sensor	NRP-Z91	102211	2021-12-30	One year
07	Signal Generator	E8257D	MY47461211	2022-01-14	One year
08	Amplifier	VTL5400	0404	/	/
09	DAE	DAE4	1527	2022-01-12	One year
10	E-field Probe	EX3DV4	7621	2022-05-06	One year
11	Dipole Validation Kit	D750V3	1163	2019-09-03	Three years
12	Dipole Validation Kit	D835V2	4d057	2021-10-18	Three years
13	Dipole Validation Kit	D1750V2	1152	2019-08-30	Three years
14	Dipole Validation Kit	D1900V2	5d088	2021-10-18	Three years
15	Dipole Validation Kit	D2300V2	1059	2021-09-22	Three years
16	Dipole Validation Kit	D2450V2	873	2021-10-21	Three years
17	Dipole Validation Kit	D2550V2	1010	2021-05-21	Three years
18	Dipole Validation Kit	D3500V2	1084	2019-09-20	Three years
19	Dipole Validation Kit	D3700V2	1049	2019-09-20	Three years
20	Dipole Validation Kit	D3900V2	1028	2019-09-20	Three years
21	Dipole Validation Kit	D5GHzV2	1238	2019-08-29	Three years
22	BTS	MT8820C	6201341853	2022-01-14	One year
23	BTS	CMW500	152499	2021-07-16	One year
24	Software	DASY5	/	/	/

ANNEX A: Graph Results

WCDMA Band 2 Head

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 38.88$; $\rho = 1000$ kg/m³

Communication System: UID 0, WCDMA (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.374 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.877 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.352 W/kg

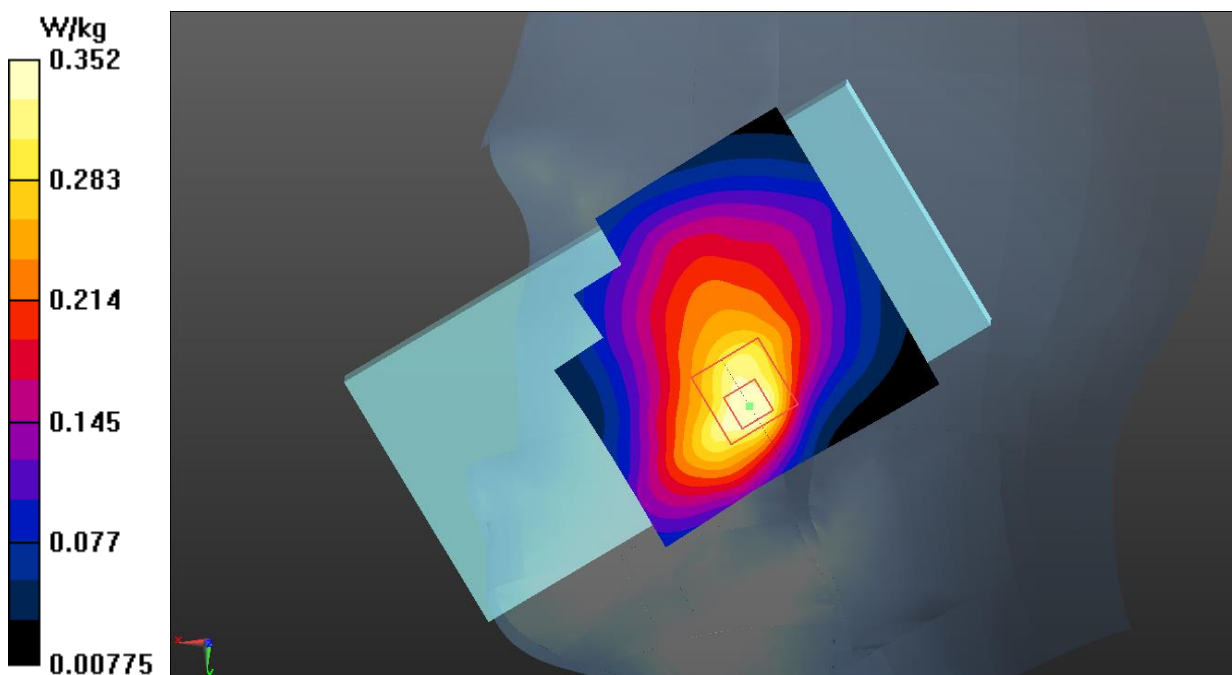


Fig.1 WCDMA Band 2 Head

WCDMA Band 2 Body

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 38.988$; $\rho = 1000$ kg/m³

Communication System: UID 0, WCDMA (0) Frequency: 1852.4 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Low/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

Rear Side Low/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.479 W/kg

Maximum value of SAR (measured) = 0.958 W/kg

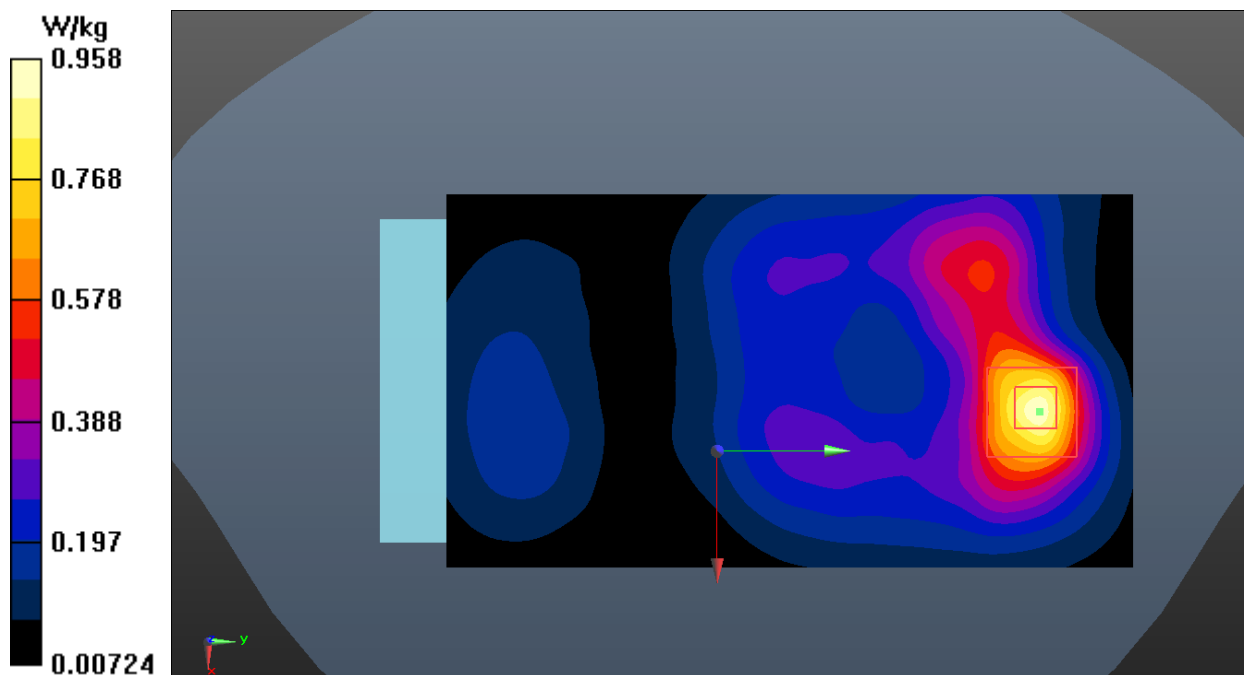


Fig.2 WCDMA Band 2 Body

WCDMA Band 4 Head

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.37 \text{ S/m}$; $\epsilon_r = 39.359$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.302 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.789 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.265 W/kg ; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.311 W/kg

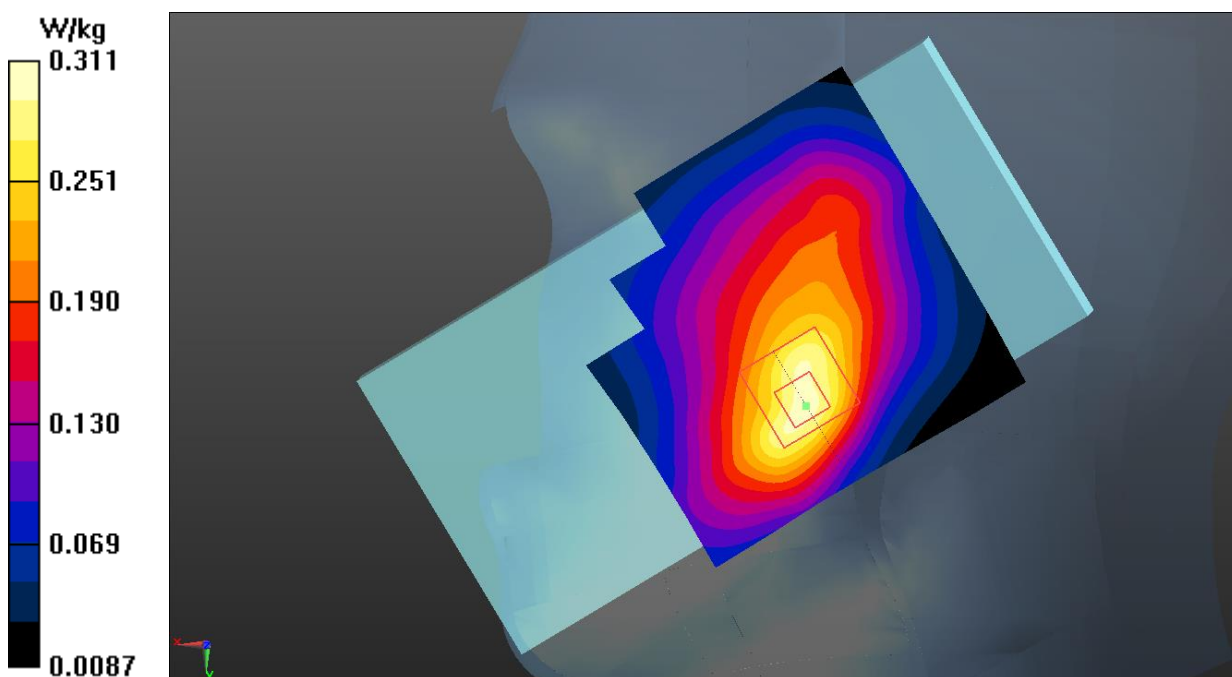


Fig.3 WCDMA Band 4 Head

WCDMA Band 4 Body

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.37 \text{ S/m}$; $\epsilon_r = 39.359$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, WCDMA (0) Frequency: 1732.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side Middle/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.26 W/kg

Rear Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.810 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.555 W/kg

Maximum value of SAR (measured) = 1.17 W/kg

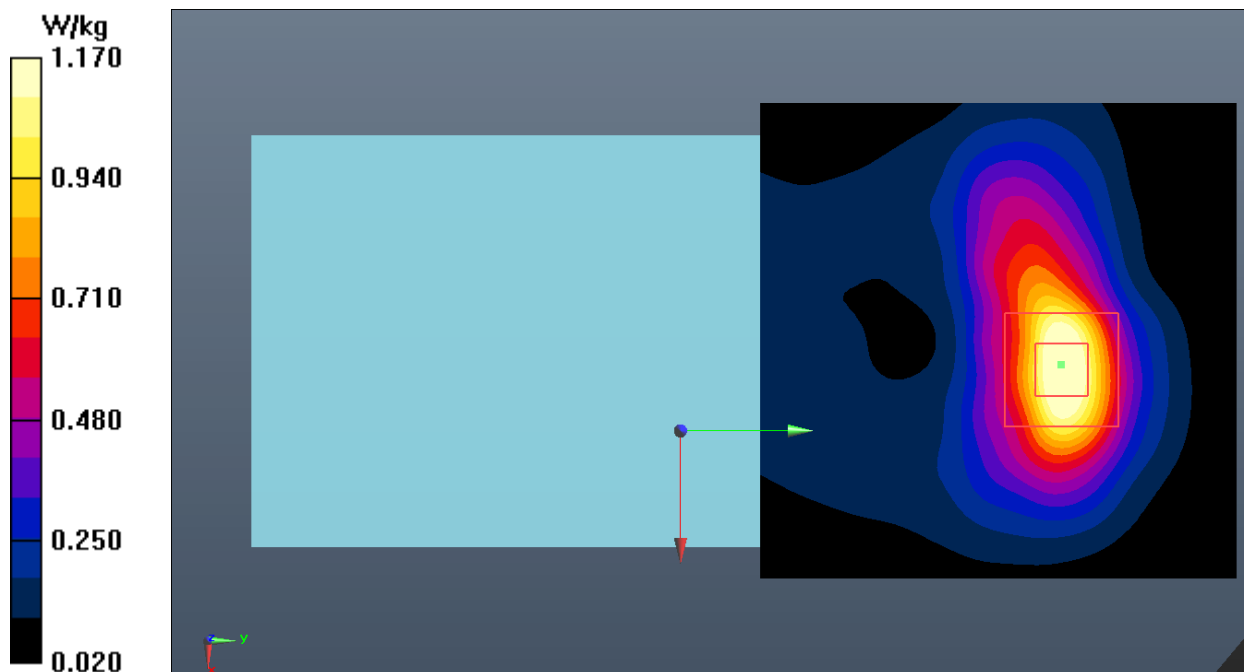


Fig.4 WCDMA Band 4 Body

WCDMA Band 5 Head

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.686$; $\rho = 1000$ kg/m³

Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.447 W/kg

Right Cheek Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.060 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 0.443 W/kg

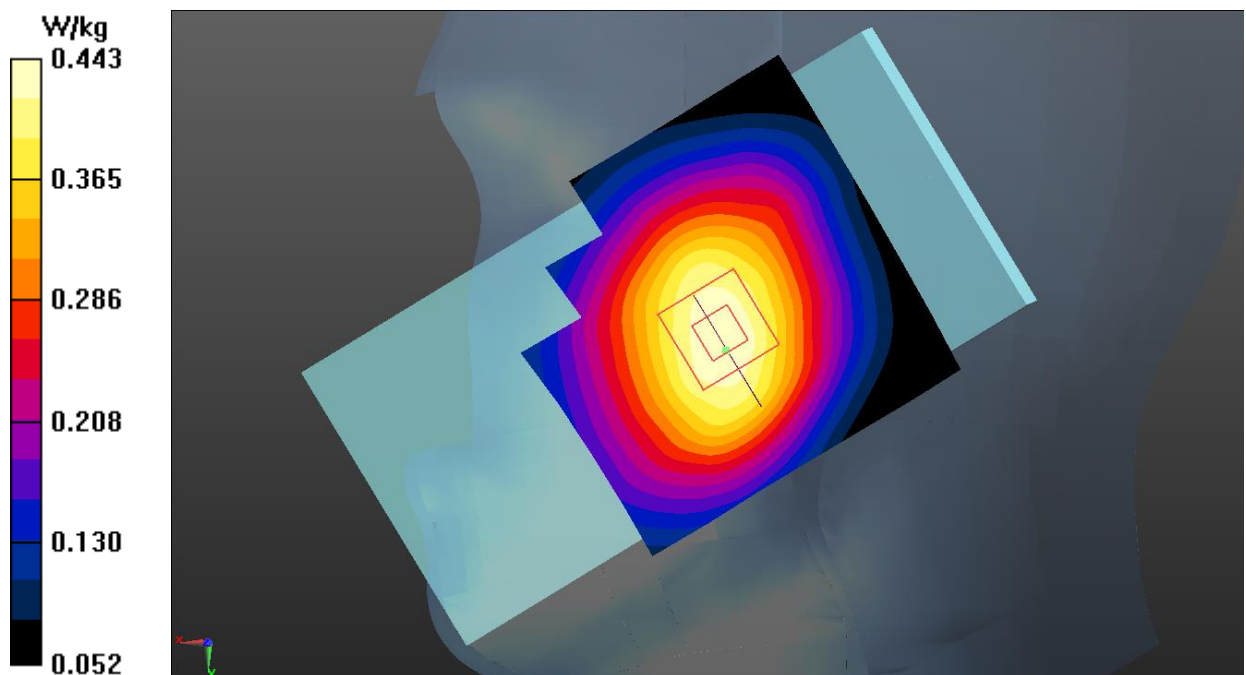


Fig.5 WCDMA Band 5 Head

WCDMA Band 5 Body

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.686$; $\rho = 1000$ kg/m³

Communication System: UID 0, WCDMA (0) Frequency: 836.6 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.517 W/kg

Rear Side Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.06 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.348 W/kg

Maximum value of SAR (measured) = 0.483 W/kg

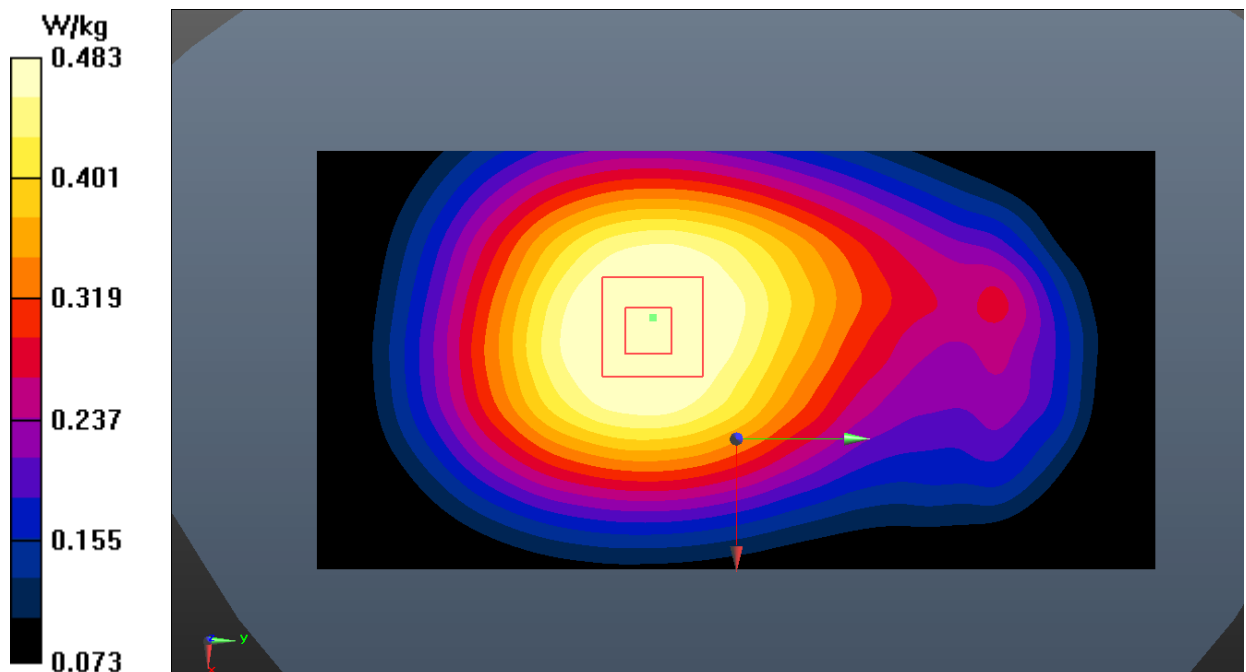


Fig.6 WCDMA Band 5 Body

LTE Band 2 Head

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Left Cheek Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.271 W/kg

Left Cheek Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.739 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.256 W/kg

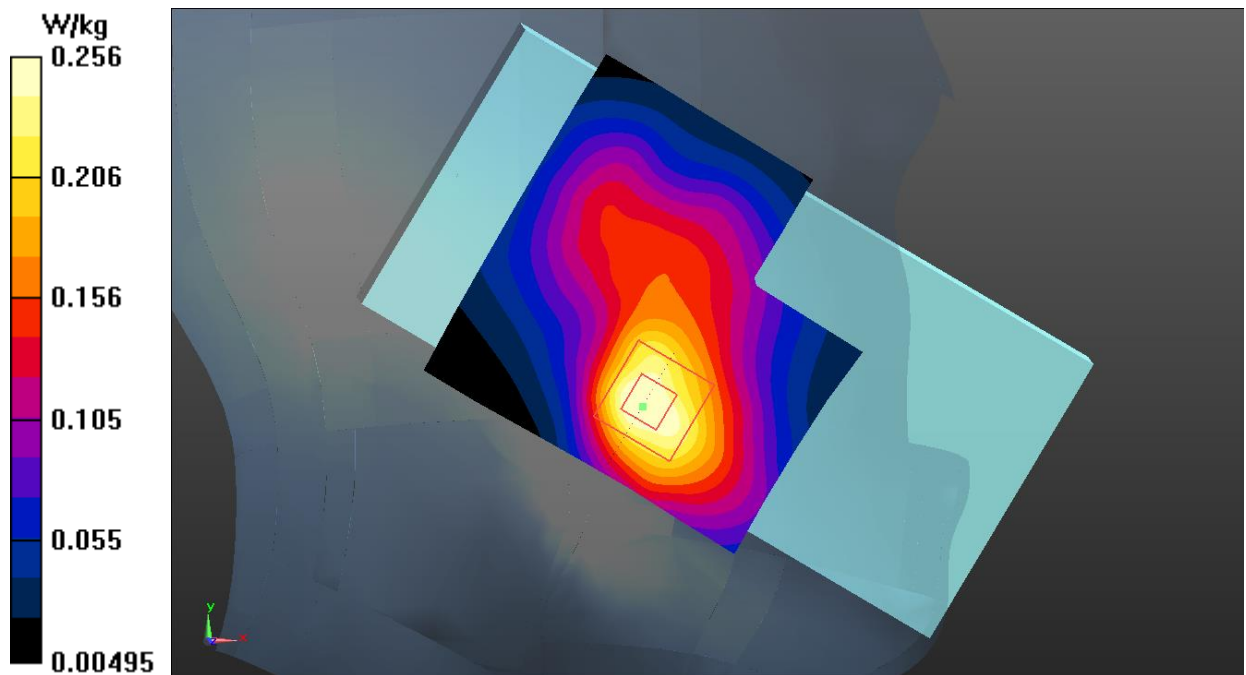


Fig.7 LTE Band 2 Head

LTE Band 2 Body

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.990 W/kg

Rear Side Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.67 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 0.954 W/kg

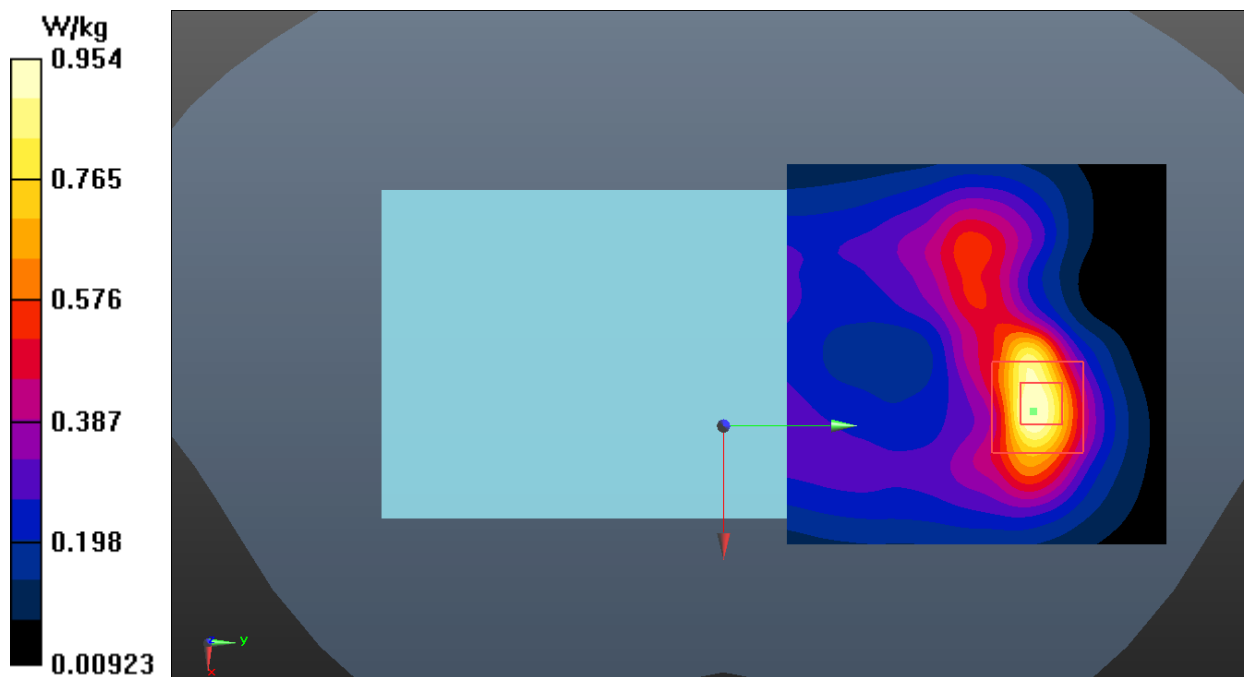


Fig.8 LTE Band 2 Body

LTE Band 4 Head

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.381 \text{ S/m}$; $\epsilon_r = 39.313$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek High 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.262 W/kg

Right Cheek High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.494 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.227 W/kg ; SAR(10 g) = 0.145 W/kg

Maximum value of SAR (measured) = 0.255 W/kg

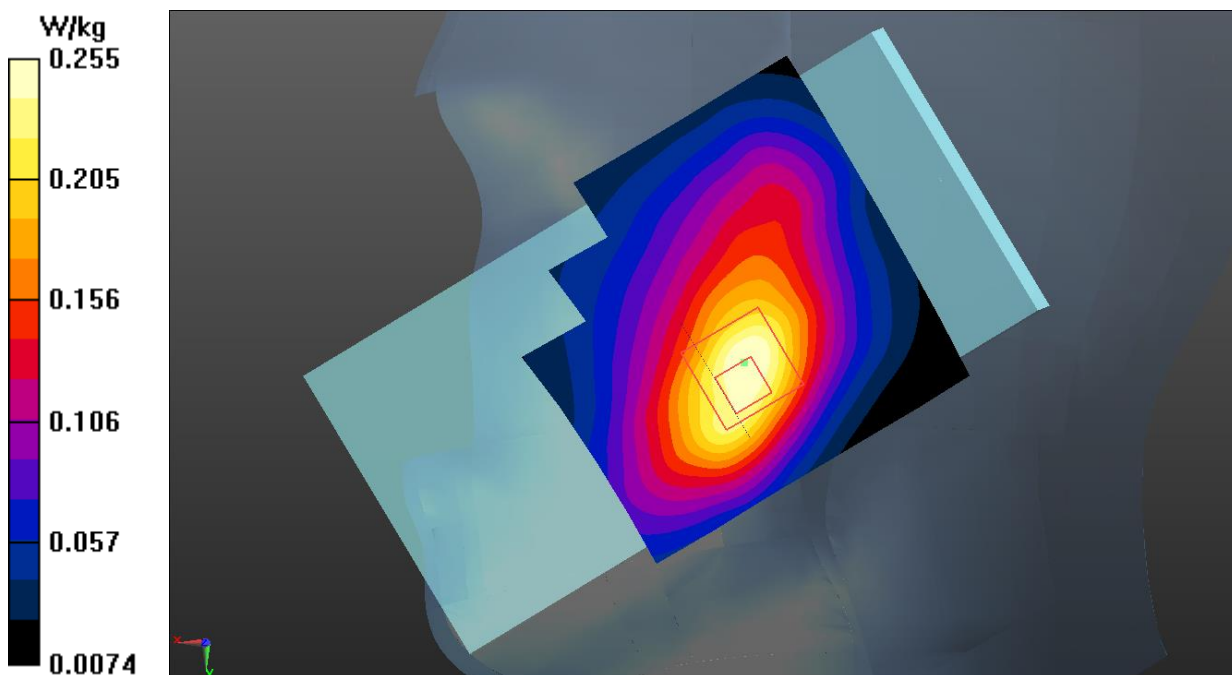


Fig.9 LTE Band 4 Head

LTE Band 4 Body

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 39.411$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.26 W/kg

Rear Side Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.124 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.504 W/kg

Maximum value of SAR (measured) = 1.29 W/kg

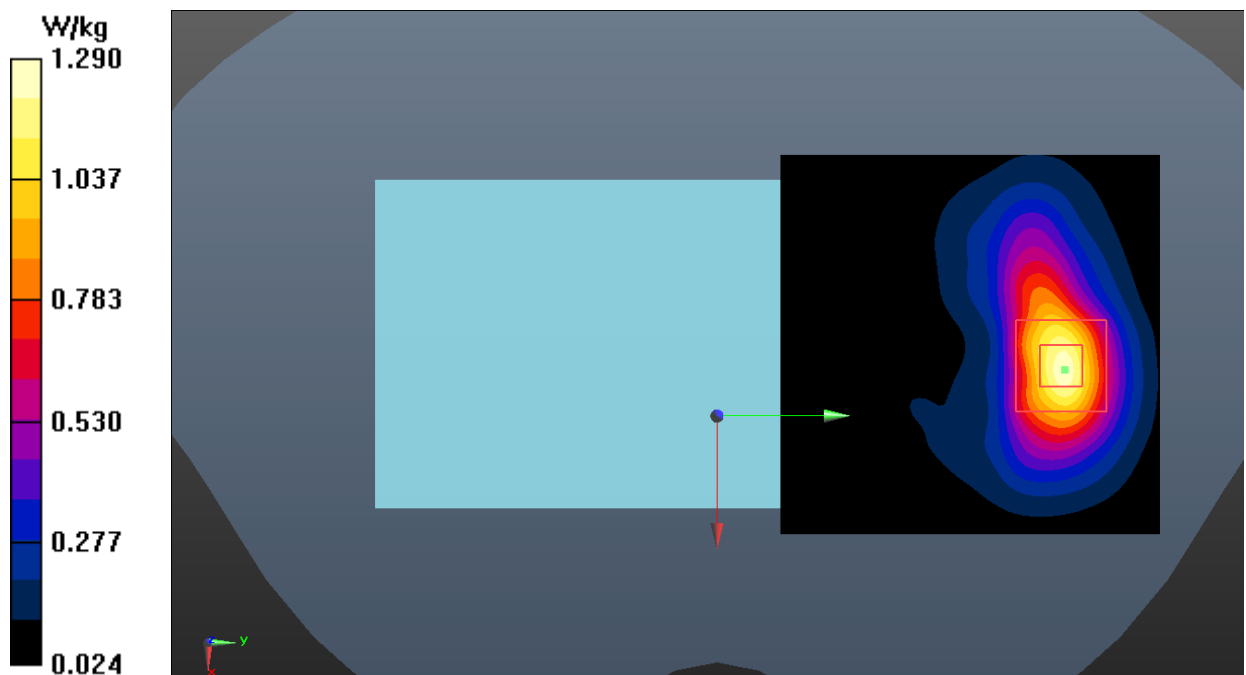


Fig.10 LTE Band 4 Body

LTE Band 5 Head

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.777$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 829 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB49/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.328 W/kg

Right Cheek Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.988 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.329 W/kg

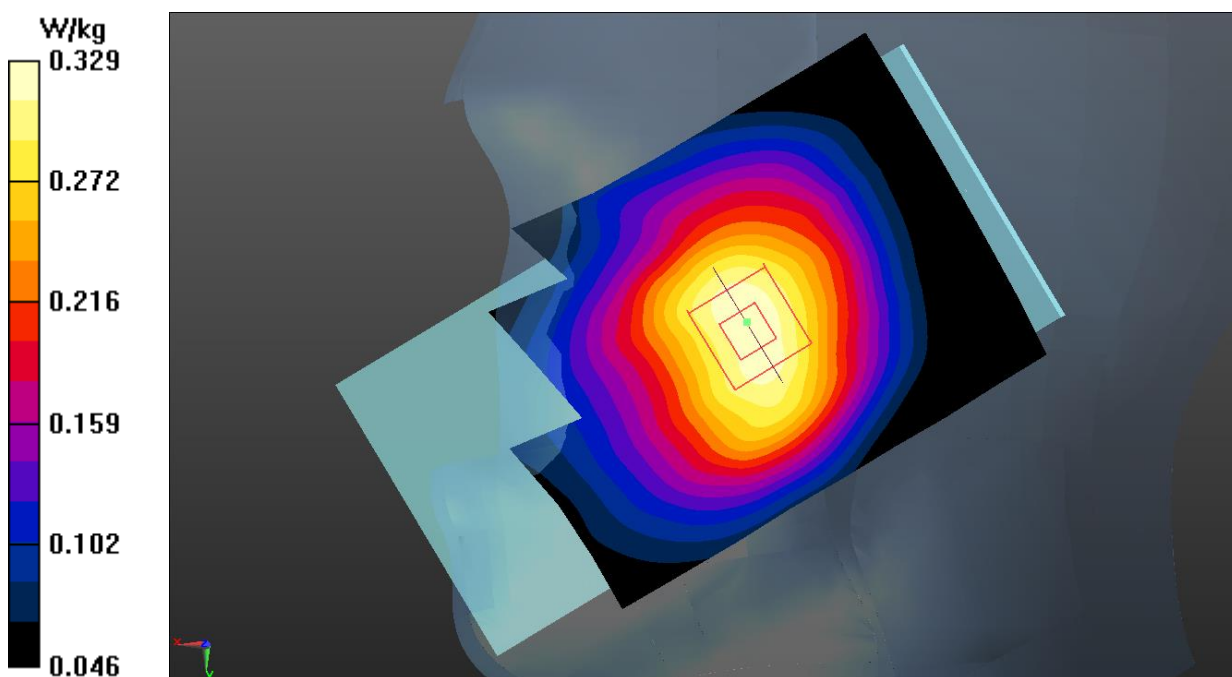


Fig.11 LTE Band 5 Head

LTE Band 5 Body

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 829$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.777$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 829 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Low 1RB49/Area Scan (61x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.412 W/kg

Rear Side Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.58 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.411 W/kg

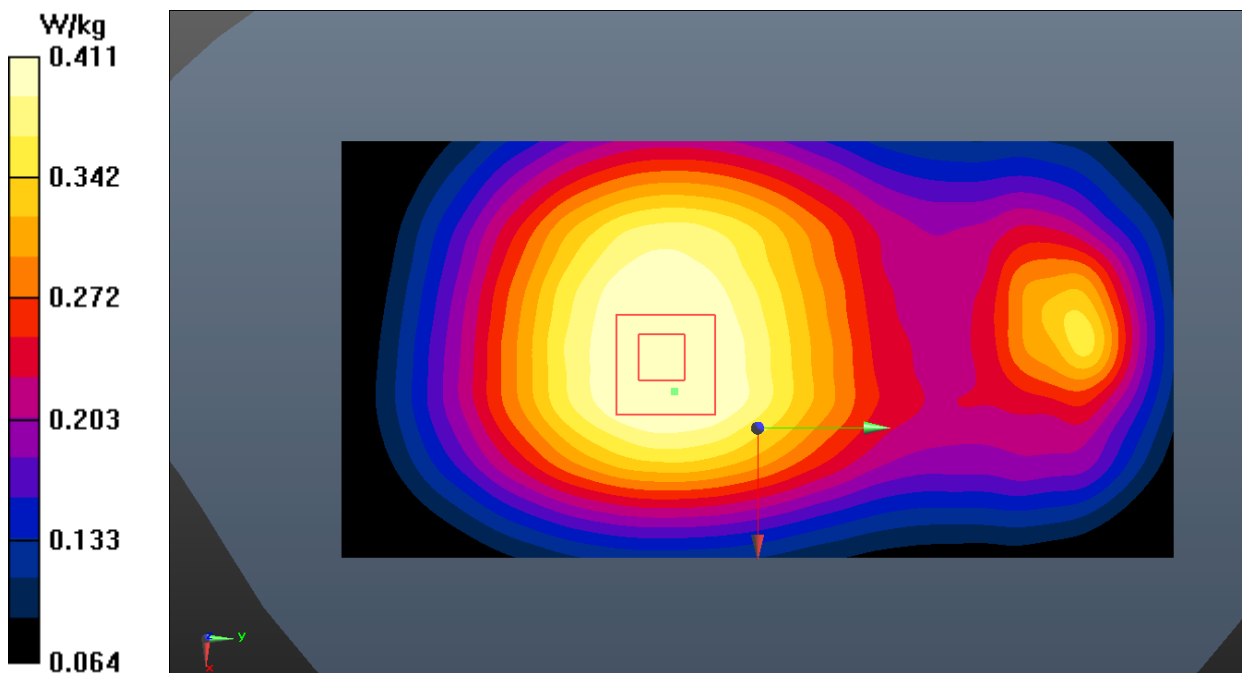


Fig.12 LTE Band 5 Body

LTE Band 7 Head

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 38.274$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Left Cheek Middle 1RB99/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.494 W/kg

Left Cheek Middle 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.517 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.473 W/kg

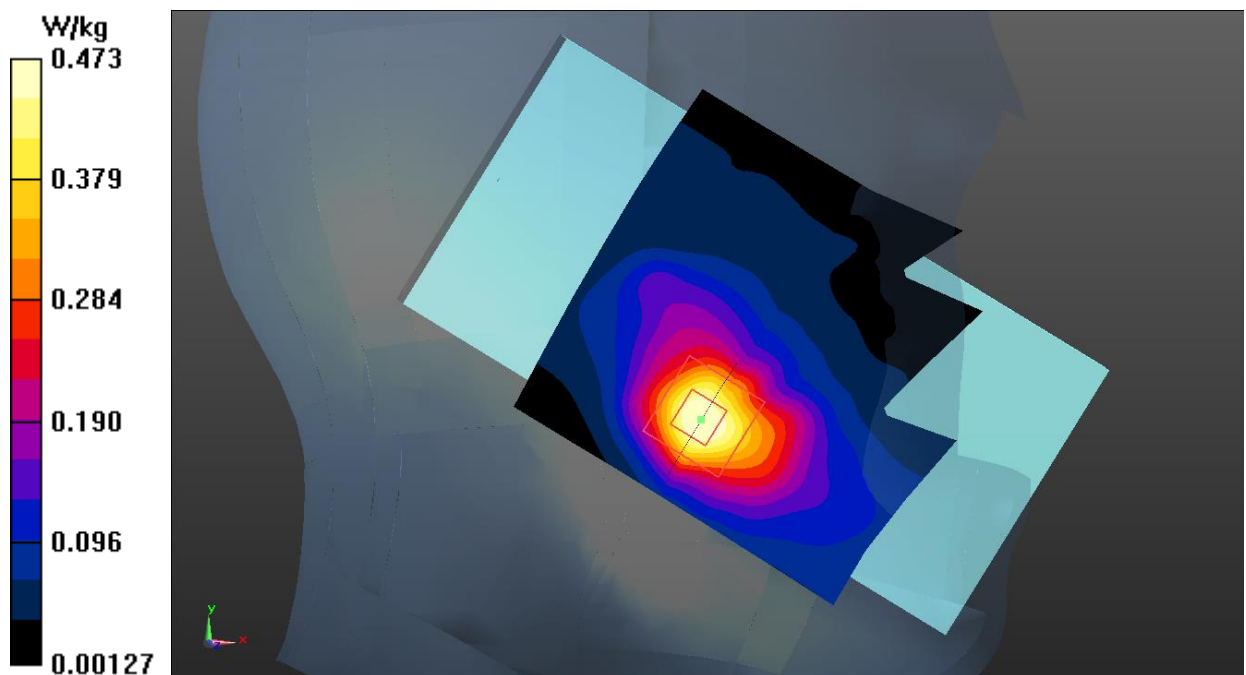


Fig.13 LTE Band 7 Head

LTE Band 7 Body

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 38.274$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 2535 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.17, 8.17, 8.17)

Rear Side Middle 1RB99/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.756 W/kg

Rear Side Middle 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.758 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 0.701 W/kg

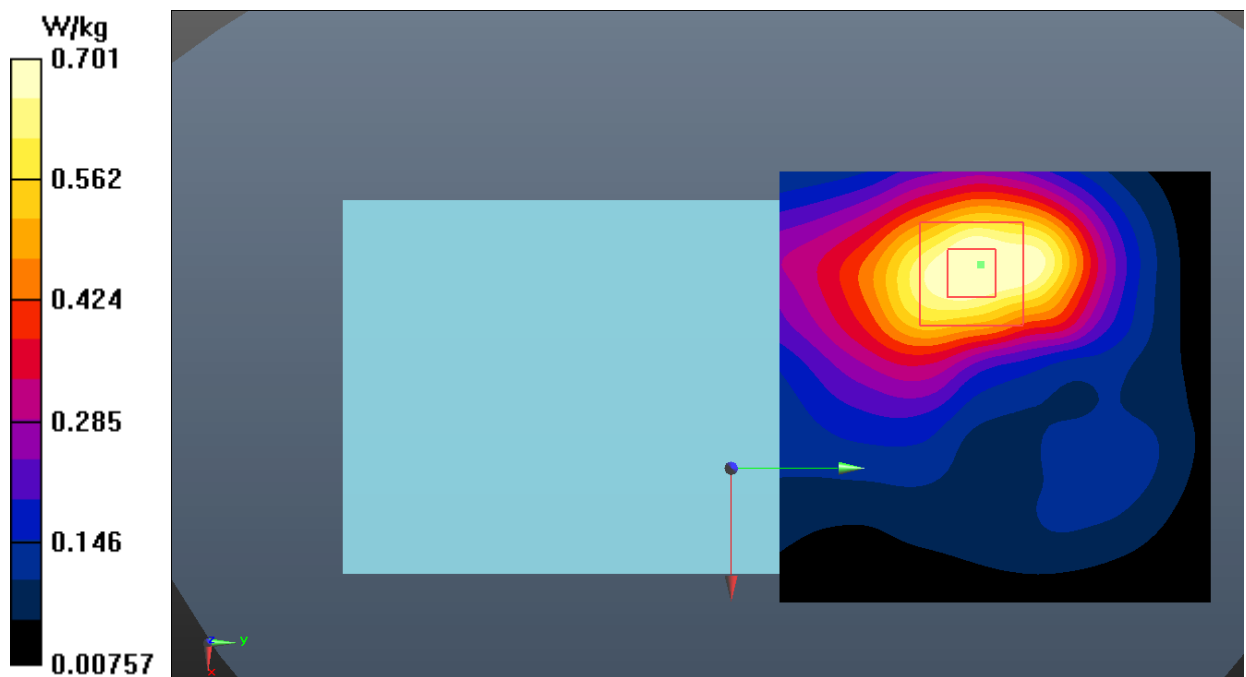


Fig.14 LTE Band 7 Body

LTE Band 12 Head

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.855 \text{ S/m}$; $\epsilon_r = 43.213$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 704 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Low 1RB49/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.273 W/kg

Left Cheek Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.106 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.260 W/kg ; SAR(10 g) = 0.200 W/kg

Maximum value of SAR (measured) = 0.294 W/kg

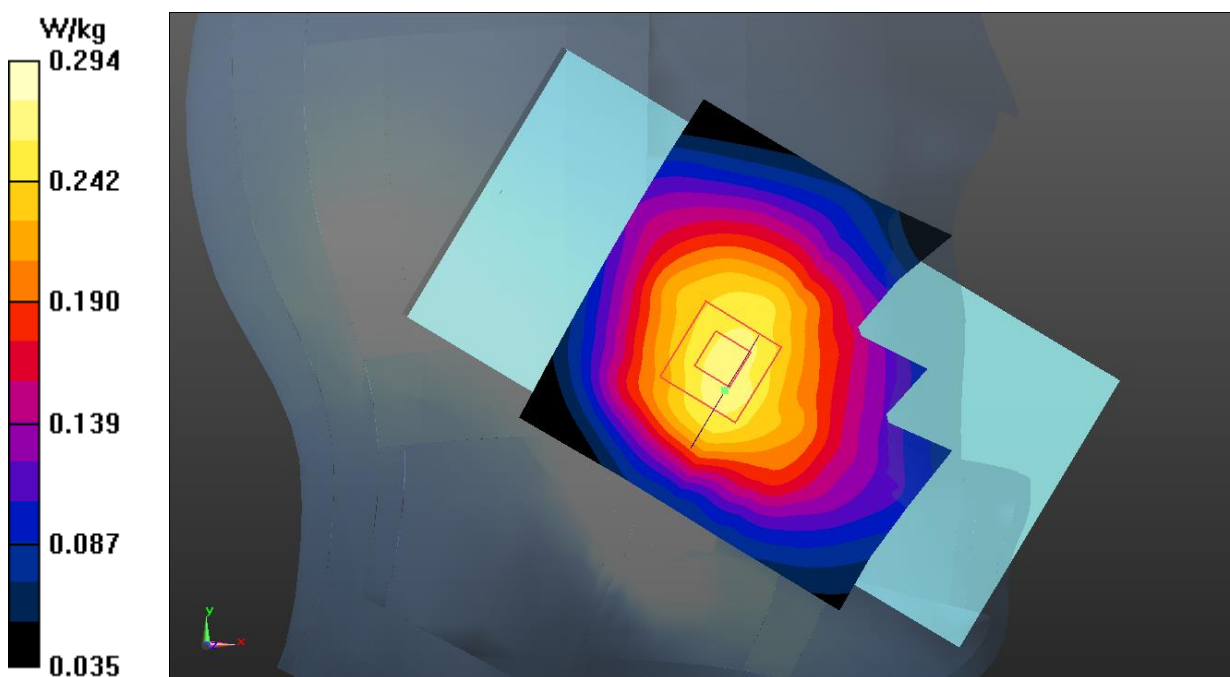


Fig.15 LTE Band 12 Head

LTE Band 12 Body

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.855 \text{ S/m}$; $\epsilon_r = 43.213$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 704 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Low 1RB49/Area Scan (61x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.435 W/kg

Rear Side Low 1RB49/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.88 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.393 W/kg ; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 0.431 W/kg

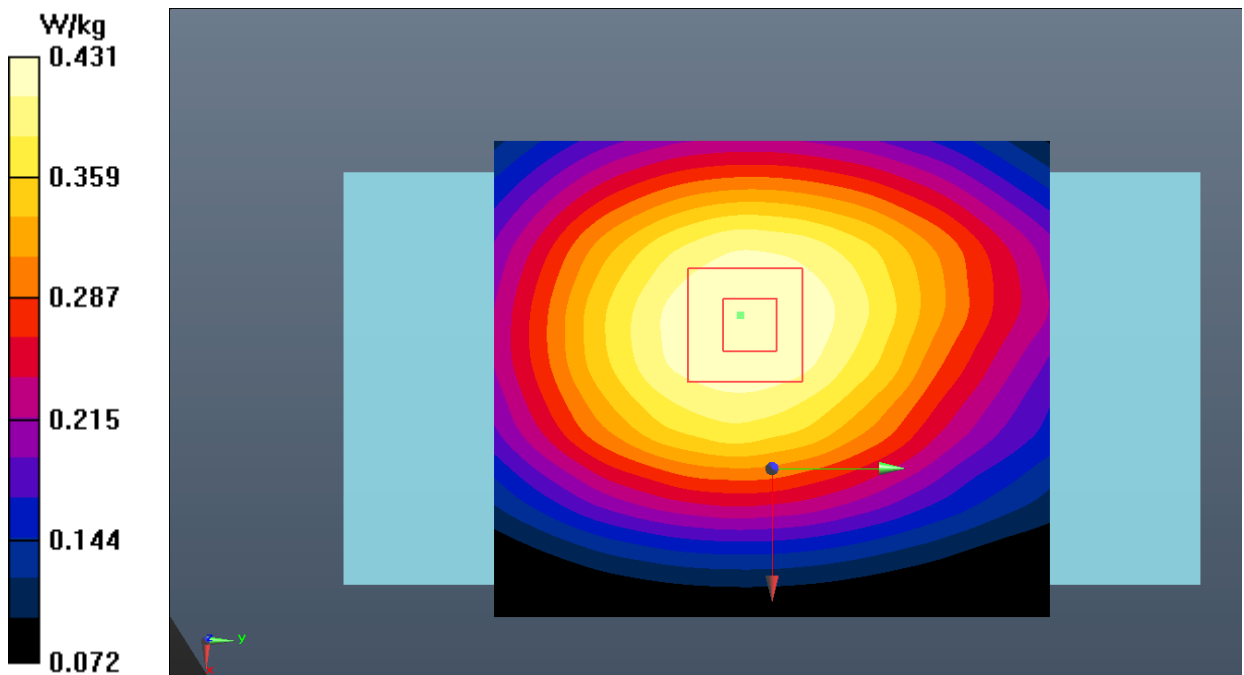


Fig.16 LTE Band 12 Body

LTE Band 13 Head

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.920 \text{ S/m}$; $\epsilon_r = 42.28$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 1RB24/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.299 W/kg

Left Cheek Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.389 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.264 W/kg ; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.297 W/kg

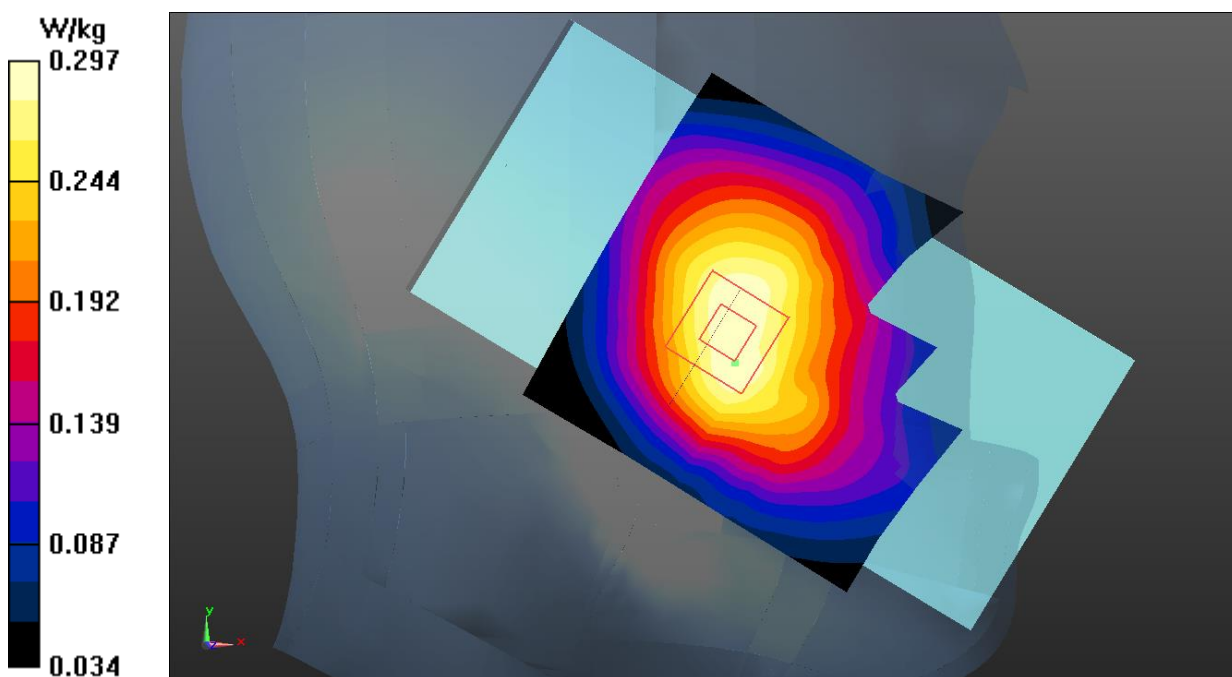


Fig.17 LTE Band 13 Head

LTE Band 13 Body

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.920 \text{ S/m}$; $\epsilon_r = 42.28$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 1RB24/Area Scan (61x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.419 W/kg

Rear Side Middle 1RB24/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.63 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.380 W/kg ; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.419 W/kg

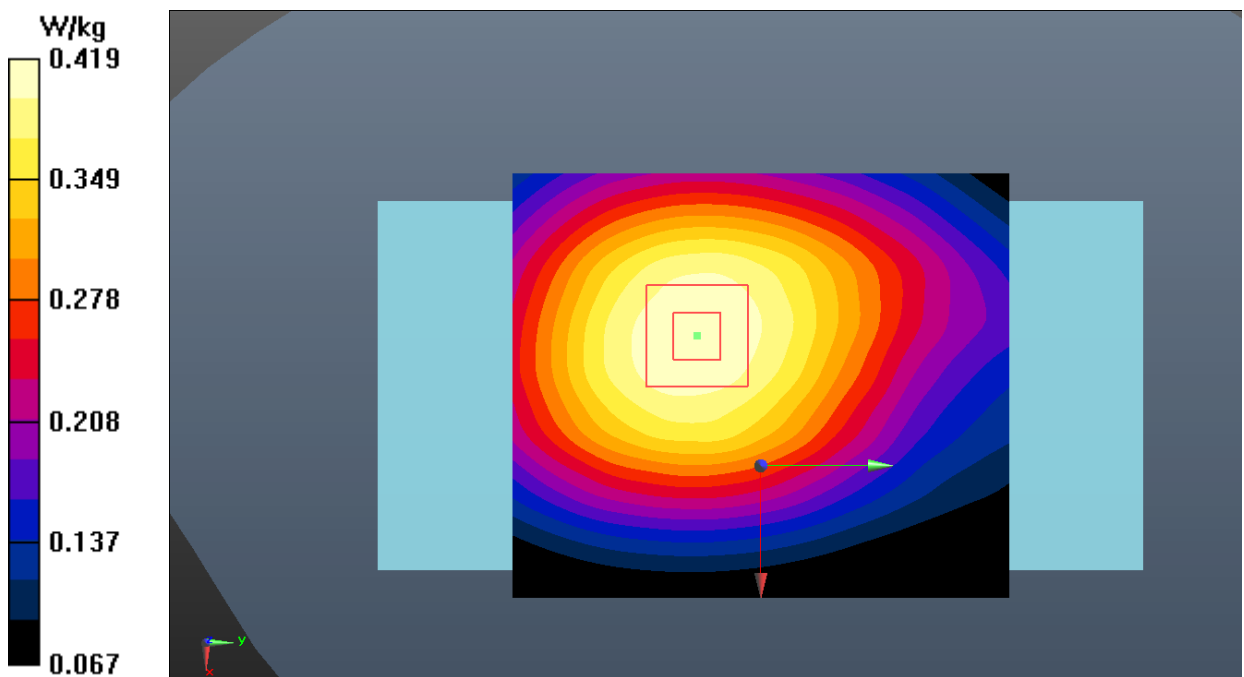


Fig.18 LTE Band 13 Body

LTE Band 14 Head

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.147$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 793 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.272 W/kg

Right Cheek Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.252 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.242 W/kg ; SAR(10 g) = 0.188 W/kg

Maximum value of SAR (measured) = 0.273 W/kg

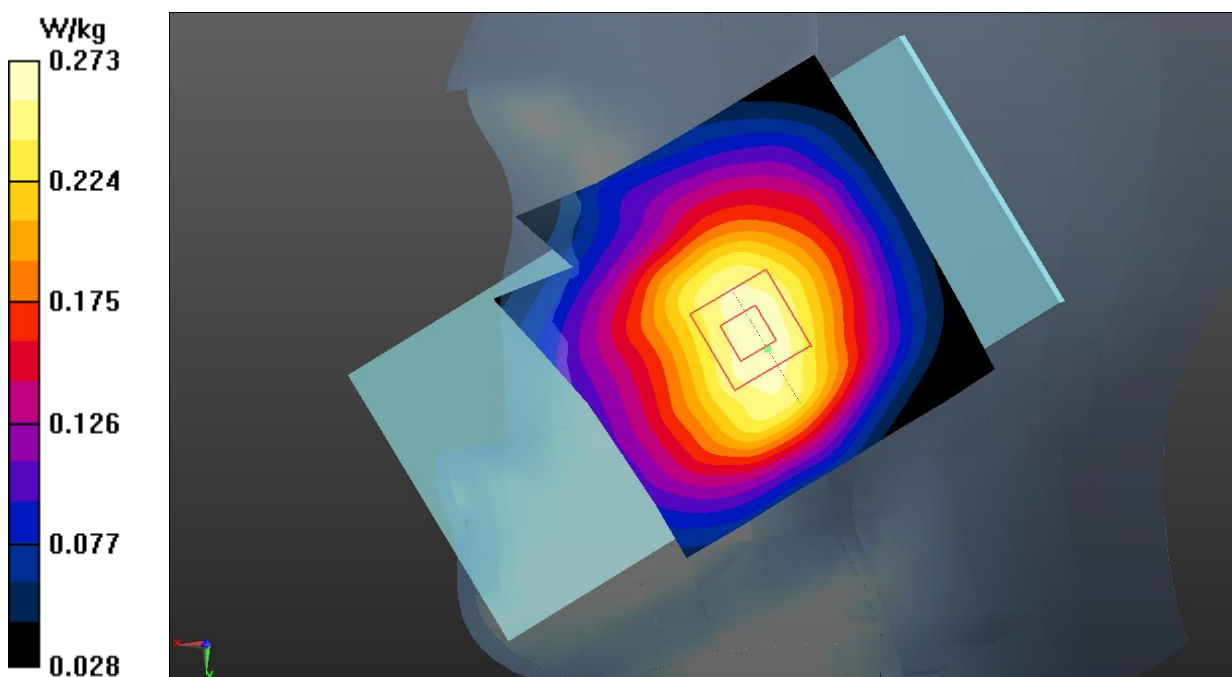


Fig.19 LTE Band 14 Head

LTE Band 14 Body

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.147$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 793 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 1RB0/Area Scan (61x111x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.408 W/kg

Rear Side Middle 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.08 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.471 W/kg

SAR(1 g) = 0.369 W/kg ; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.406 W/kg

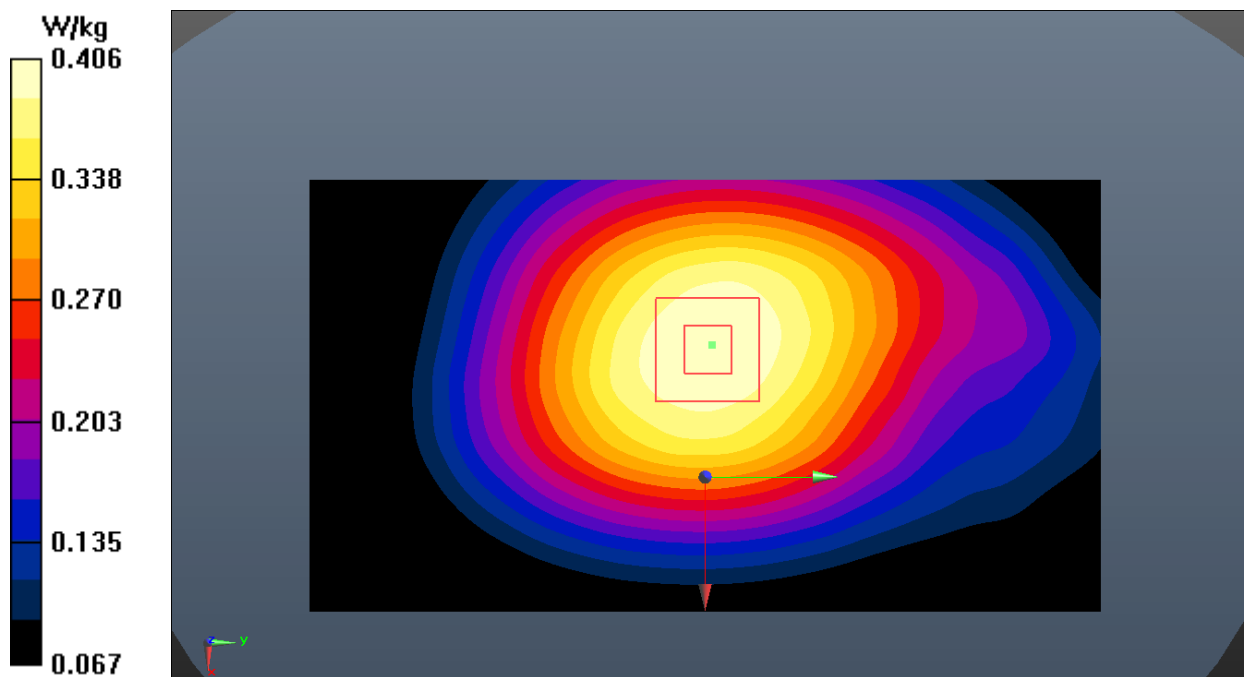


Fig.20 LTE Band 14 Body

LTE Band 25 Head

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Left Cheek Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.265 W/kg

Left Cheek Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.647 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.249 W/kg

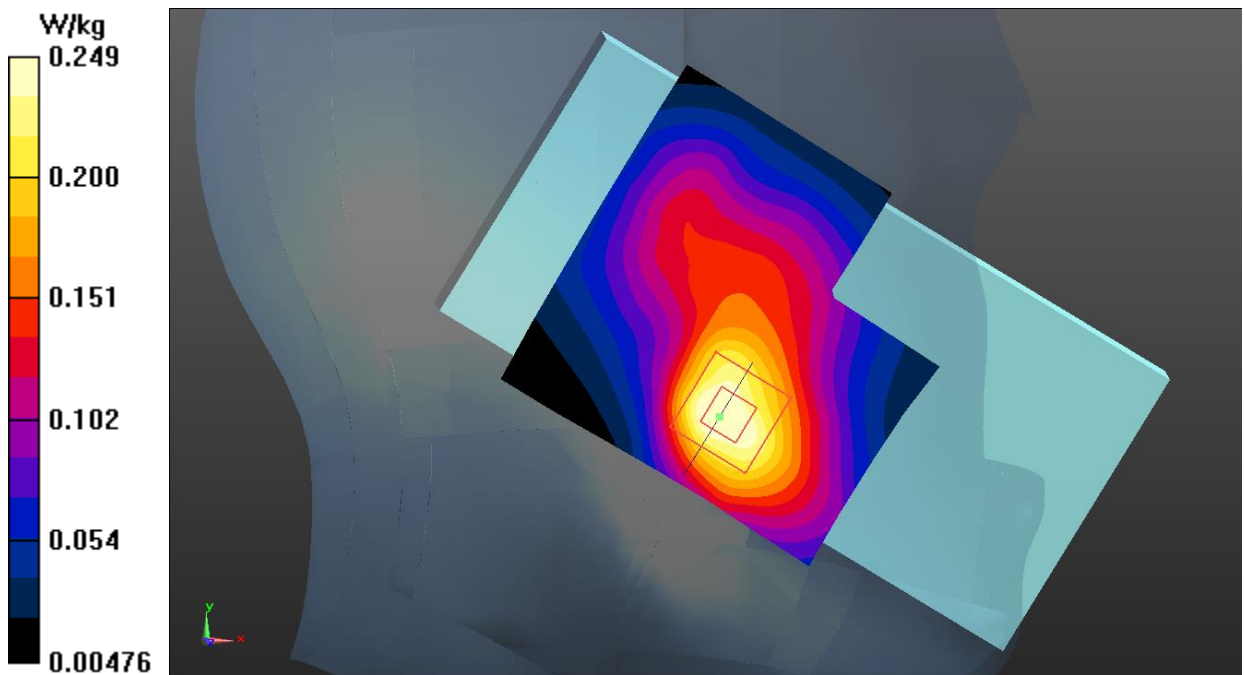


Fig.21 LTE Band 25 Head

LTE Band 25 Body

Date: 2022-5-18

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.381$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1860 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Low 1RB0/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.869 W/kg

Rear Side Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.375 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.888 W/kg

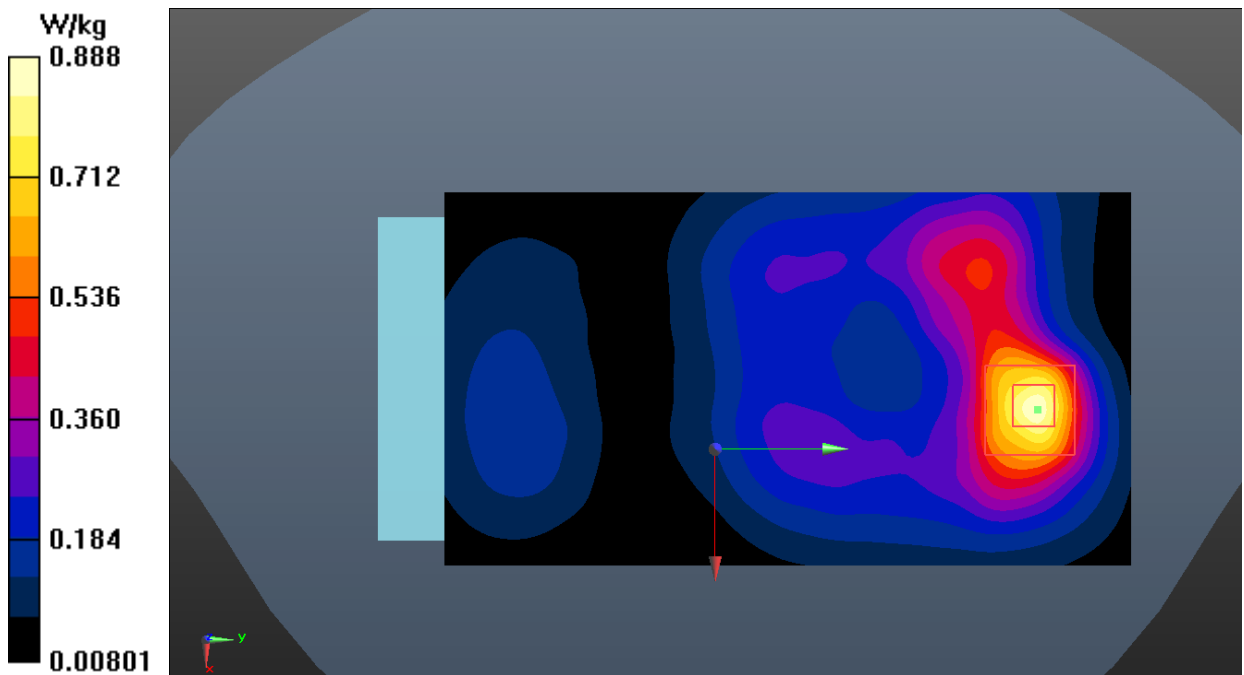


Fig.22 LTE Band 25 Body

LTE Band 26 Head

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.867$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 821.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB74/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.316 W/kg

Right Cheek Low 1RB74/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.169 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.321 W/kg

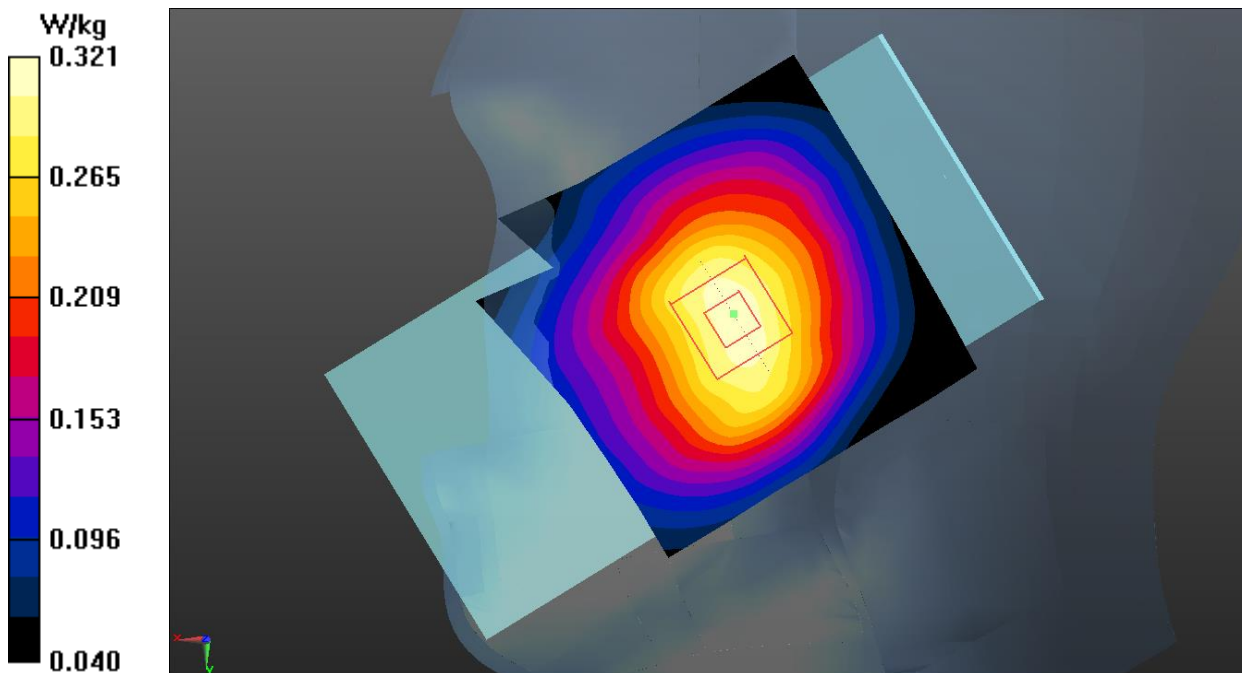


Fig.23 LTE Band 26 Head

LTE Band 26 Body

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 821.5$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 40.867$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 821.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Low 1RB74/Area Scan (61x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.422 W/kg

Rear Side Low 1RB74/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.49 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.288 W/kg

Maximum value of SAR (measured) = 0.423 W/kg

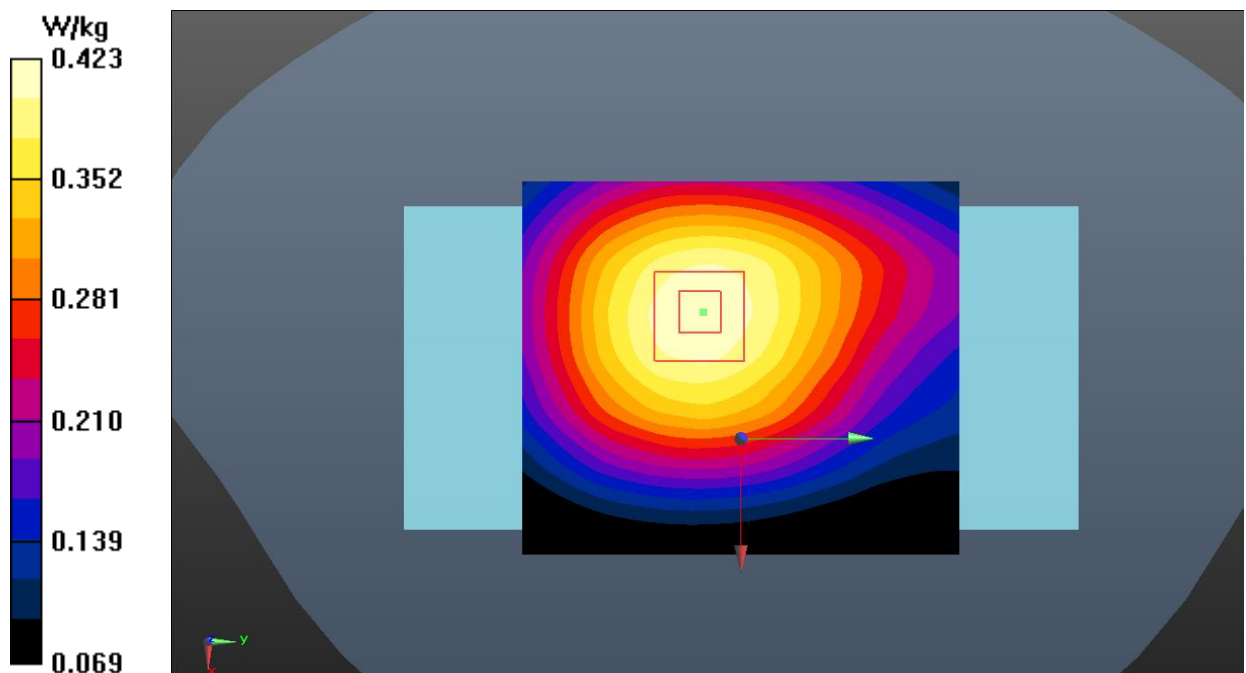


Fig.24 LTE Band 26 Body

LTE Band 30 Head

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.659$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 2310 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Right Cheek Middle 1RB0/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.207 W/kg

Right Cheek Middle 1RB0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.225 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.074 W/kg

Maximum value of SAR (measured) = 0.174 W/kg

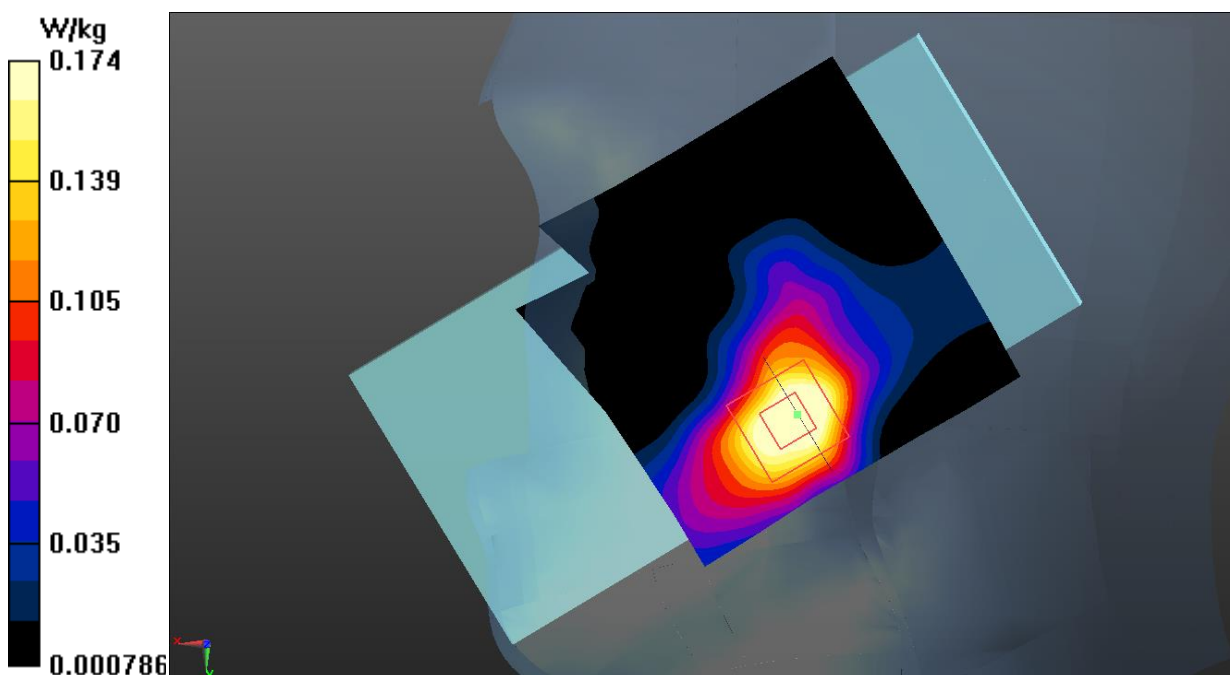


Fig.25 LTE Band 30 Head

LTE Band 30 Body

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.659$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 2310 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Rear Side Middle 1RB0/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.906 W/kg

Rear Side Middle 1RB0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.156 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.521 W/kg

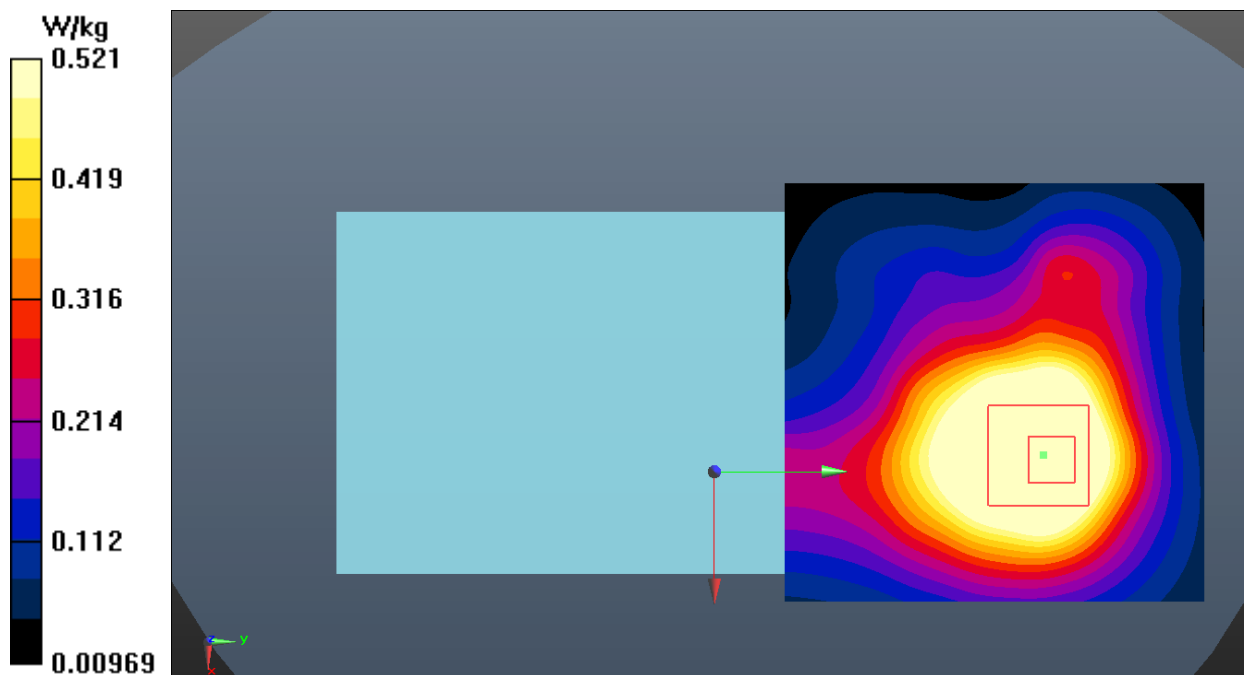


Fig.26 LTE Band 30 Body

LTE Band 40 Head

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used (interpolated): $f = 2307.5$ MHz; $\sigma = 1.656$ S/m; $\epsilon_r = 40.106$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 2307.5 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Right Cheek Low 1RB12/Area Scan (91x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.166 W/kg

Right Cheek Low 1RB12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.958 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.181 W/kg

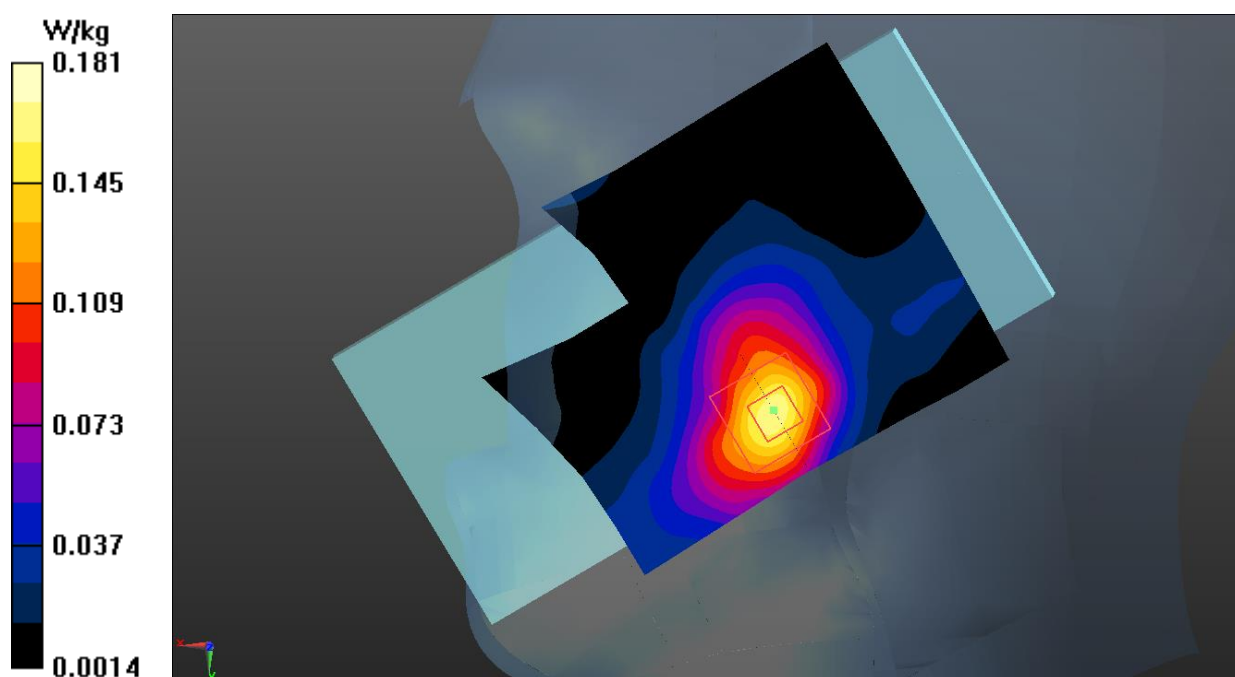


Fig.27 LTE Band 40 Head

LTE Band 40 Body

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used (interpolated): $f = 2307.5$ MHz; $\sigma = 1.656$ S/m; $\epsilon_r = 40.106$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 2307.5 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Rear Side Low 1RB12/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.532 W/kg

Rear Side Low 1RB12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.043 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.605 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.483 W/kg

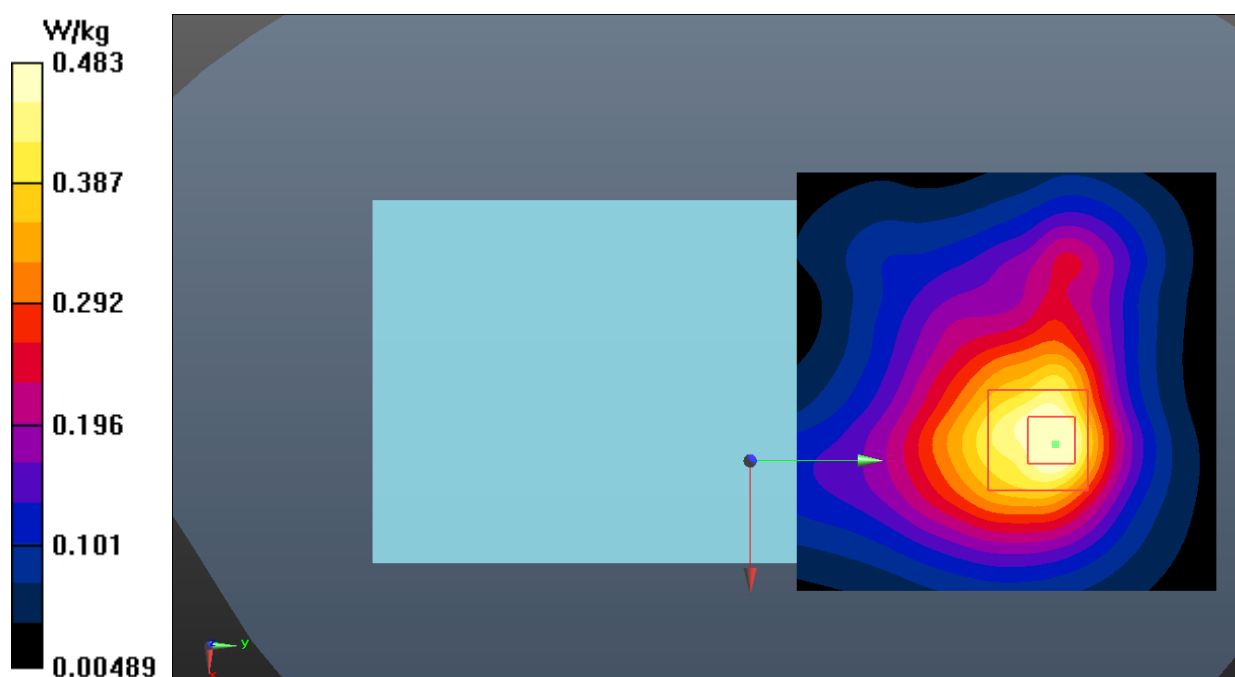


Fig.28 LTE Band 40 Body

LTE Band 41 (PC3) Head

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.042$ S/m; $\epsilon_r = 37.938$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 2636.5 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Left Cheek Middle-H 1RB99/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.323 W/kg

Left Cheek Middle-H 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.277 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.299 W/kg

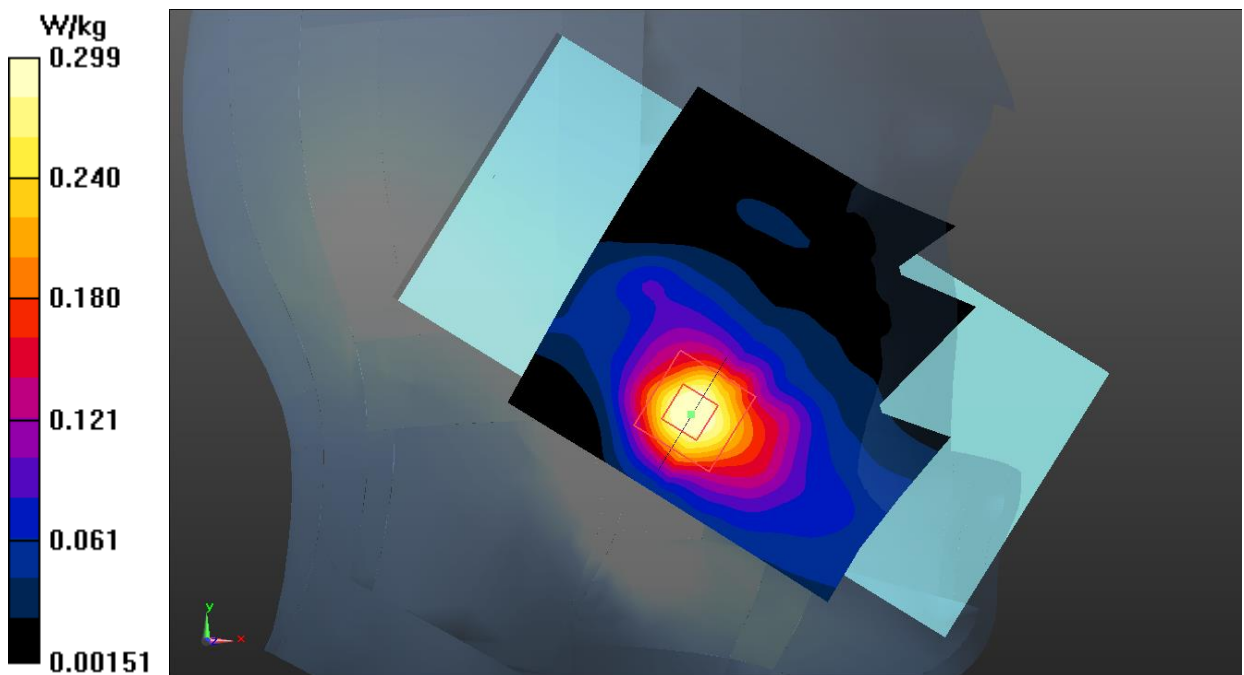


Fig.29 LTE Band 41 (PC3) Head

LTE Band 41 (PC3) Body

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 2.042$ S/m; $\epsilon_r = 37.938$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 2636.5 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Side Middle-H 1RB99/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.419 W/kg

Rear Side Middle-H 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.959 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.546 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.409 W/kg

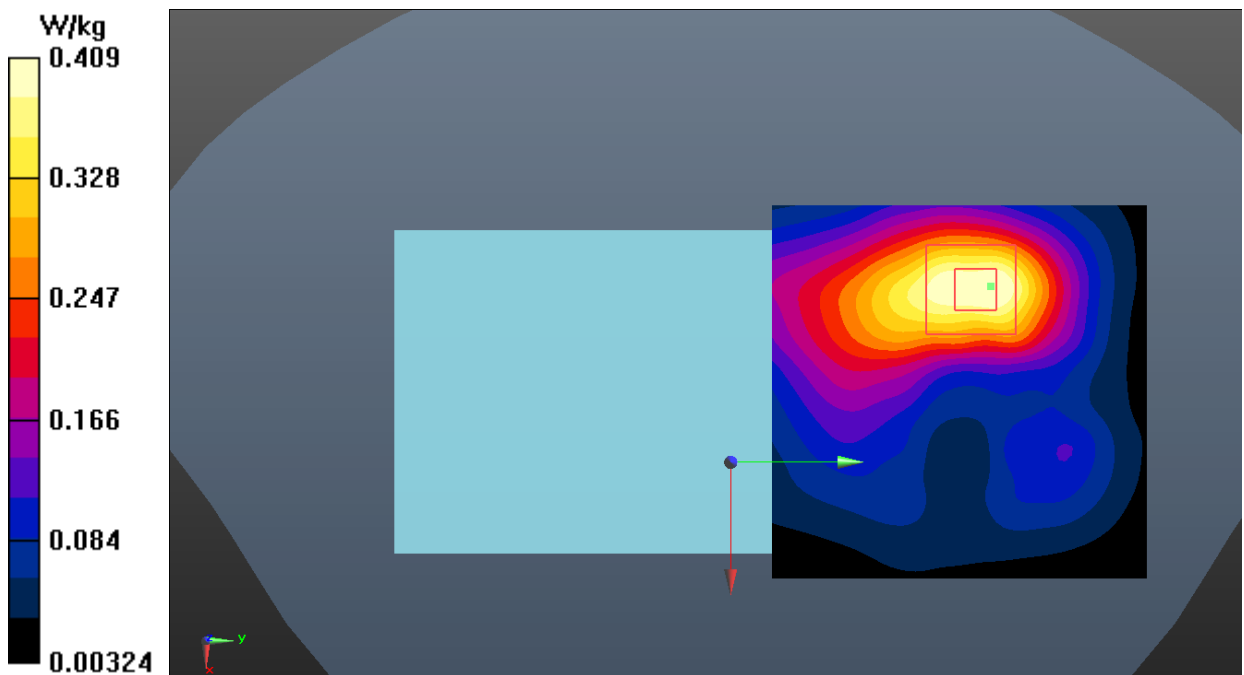


Fig.30 LTE Band 41 (PC3) Body

LTE Band 41 (PC2) Head

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.991$ S/m; $\epsilon_r = 38.081$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE TDD 41 HP (0) Frequency: 2593 MHz Duty Cycle: 1:2.31

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Left Cheek Middle 1RB99/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.412 W/kg

Left Cheek Middle 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.659 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.146 W/kg

Maximum value of SAR (measured) = 0.389 W/kg

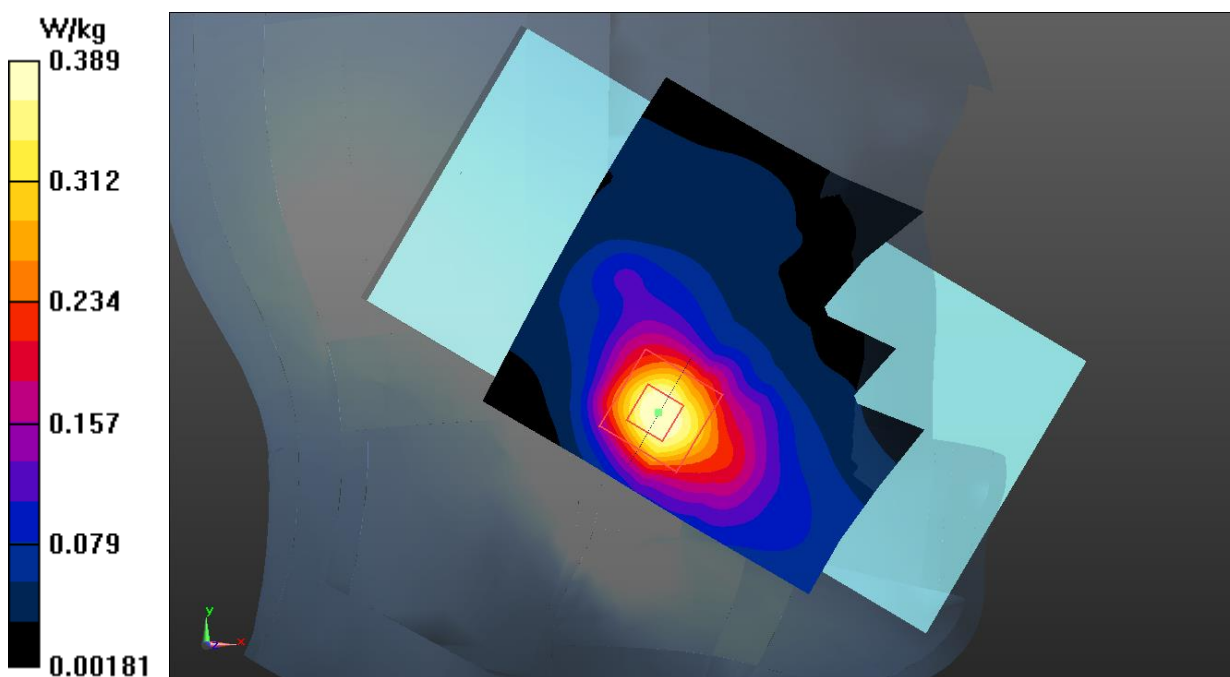


Fig.31 LTE Band 41 (PC2) Head

LTE Band 41 (PC2) Body

Date: 2022-6-8

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 2.012$ S/m; $\epsilon_r = 39.754$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE TDD 41 HP (0) Frequency: 2593 MHz Duty Cycle: 1:2.31

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Side Middle 1RB99/Area Scan (111x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.571 W/kg

Rear Side Middle 1RB99/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.054 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.552 W/kg

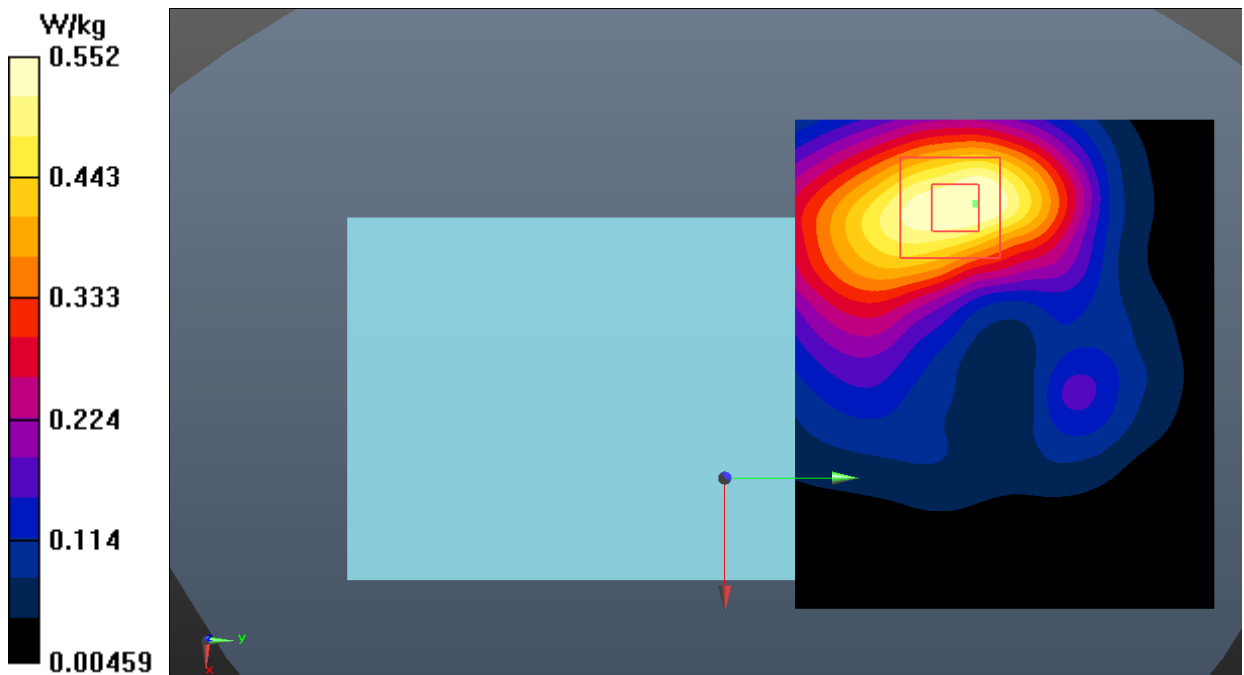


Fig.32 LTE Band 41 (PC2) Body

LTE Band 48 Head

Date: 2022-7-21

Electronics: DAE4 Sn1527

Medium: Head 3700MHz

Medium parameters used (interpolated): $f = 3603.3$ MHz; $\sigma = 3.051$ S/m; $\epsilon_r = 37.205$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 3603.3 MHz Duty Cycle: 1:1.58

Probe: EX3DV4 - SN7621 ConvF (7.18, 7.18, 7.18)

Right Cheek Low-Mid 1RB0/Area Scan (111x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.263 W/kg

Right Cheek Low-Mid 1RB0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.091 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.066 W/kg

Maximum value of SAR (measured) = 0.248 W/kg

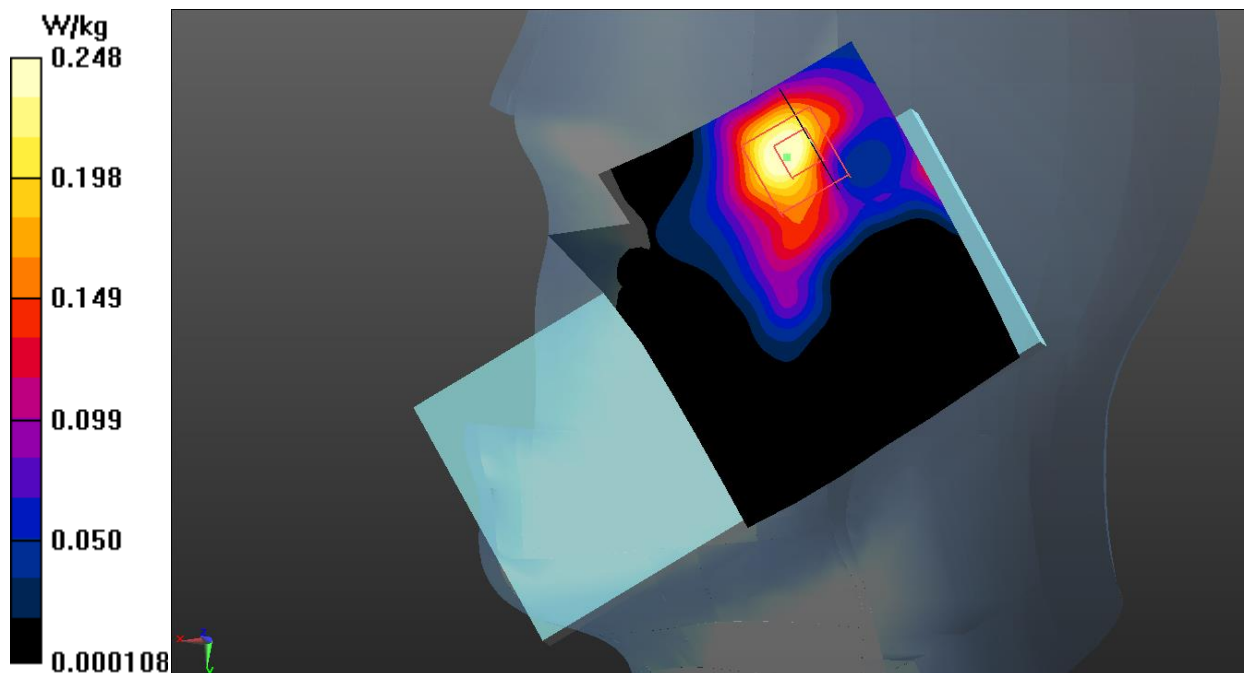


Fig.33 LTE Band 48 Head

LTE Band 48 Body

Date: 2022-7-21

Electronics: DAE4 Sn1527

Medium: Head 3700MHz

Medium parameters used (interpolated): $f = 3603.3$ MHz; $\sigma = 3.051$ S/m; $\epsilon_r = 37.205$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_TDD (0) Frequency: 3603.3 MHz Duty Cycle: 1:1.8

Probe: EX3DV4 - SN7621 ConvF (7.18, 7.18, 7.18)

Rear Side Low-Mid 1RB0/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.907 W/kg

Rear Side Low-Mid 1RB0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.199 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.897 W/kg

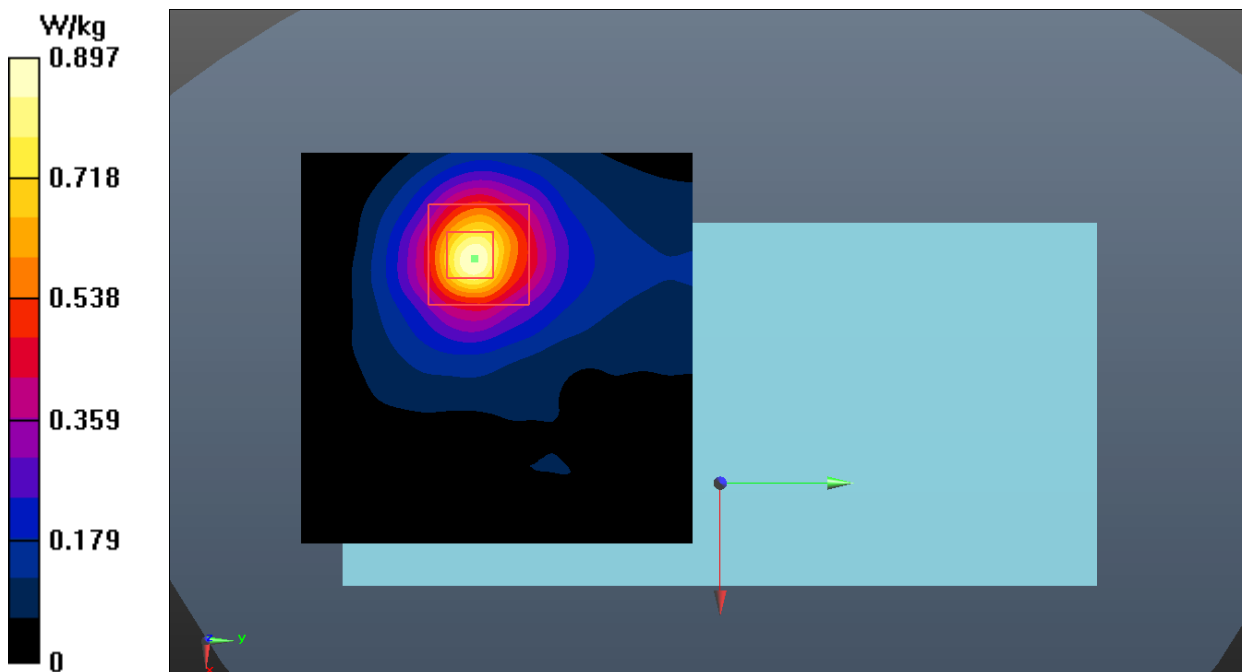


Fig.34 LTE Band 48 Body

LTE Band 66 Head

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1770 \text{ MHz}$; $\sigma = 1.403 \text{ S/m}$; $\epsilon_r = 39.215$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 1770 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek High 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.277 W/kg

Right Cheek High 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.483 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.238 W/kg ; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.272 W/kg

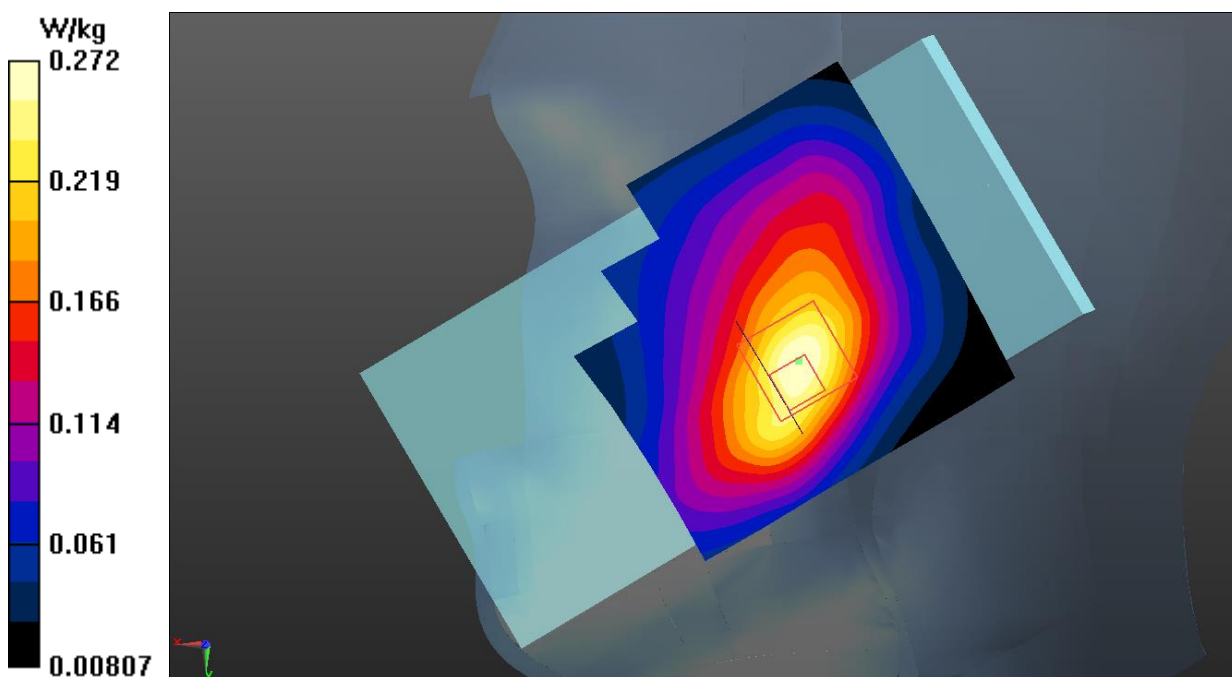


Fig.35 LTE Band 66 Head

LTE Band 66 Body

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 39.411$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.19 W/kg

Rear Side Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.741 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.484 W/kg

Maximum value of SAR (measured) = 1.11 W/kg

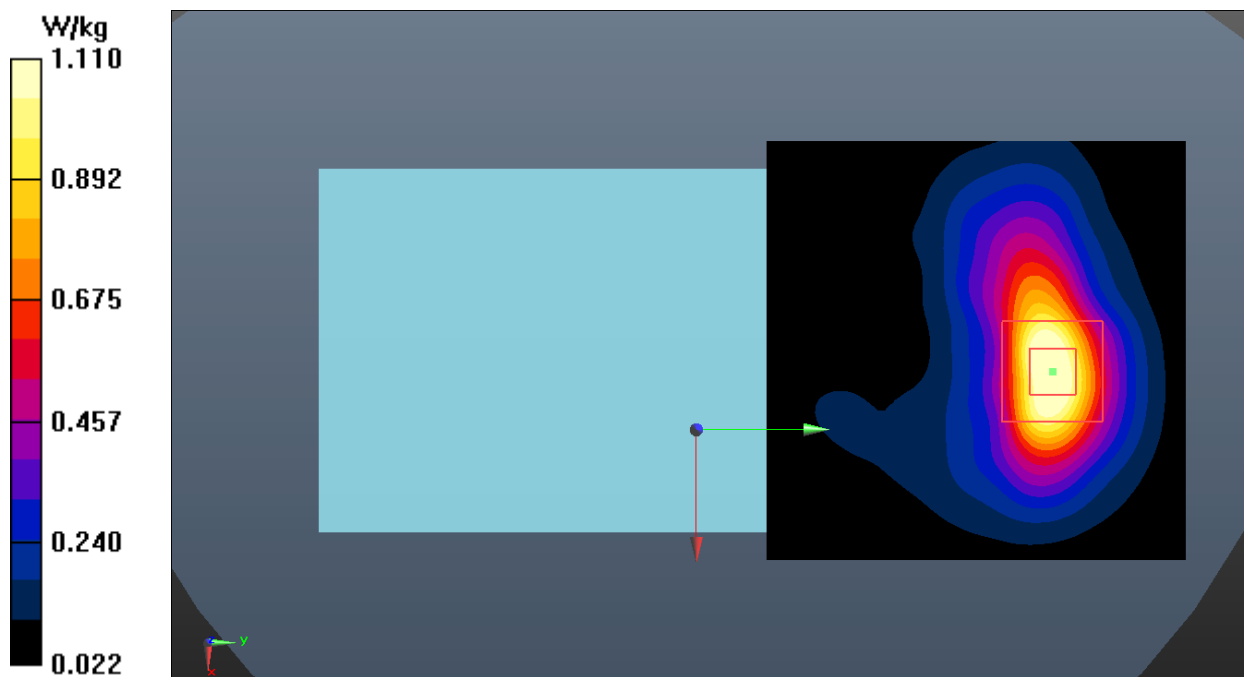


Fig.36 LTE Band 66 Body

LTE Band 71 Head

Date: 2022-5-22

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (extrapolated): $f = 673 \text{ MHz}$; $\sigma = 0.857 \text{ S/m}$; $\epsilon_r = 41.868$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, LTE_FDD (0) Frequency: 673 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Low 1RB0/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.216 W/kg

Right Cheek Low 1RB0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.209 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.252 W/kg

SAR(1 g) = 0.199 W/kg ; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 0.218 W/kg

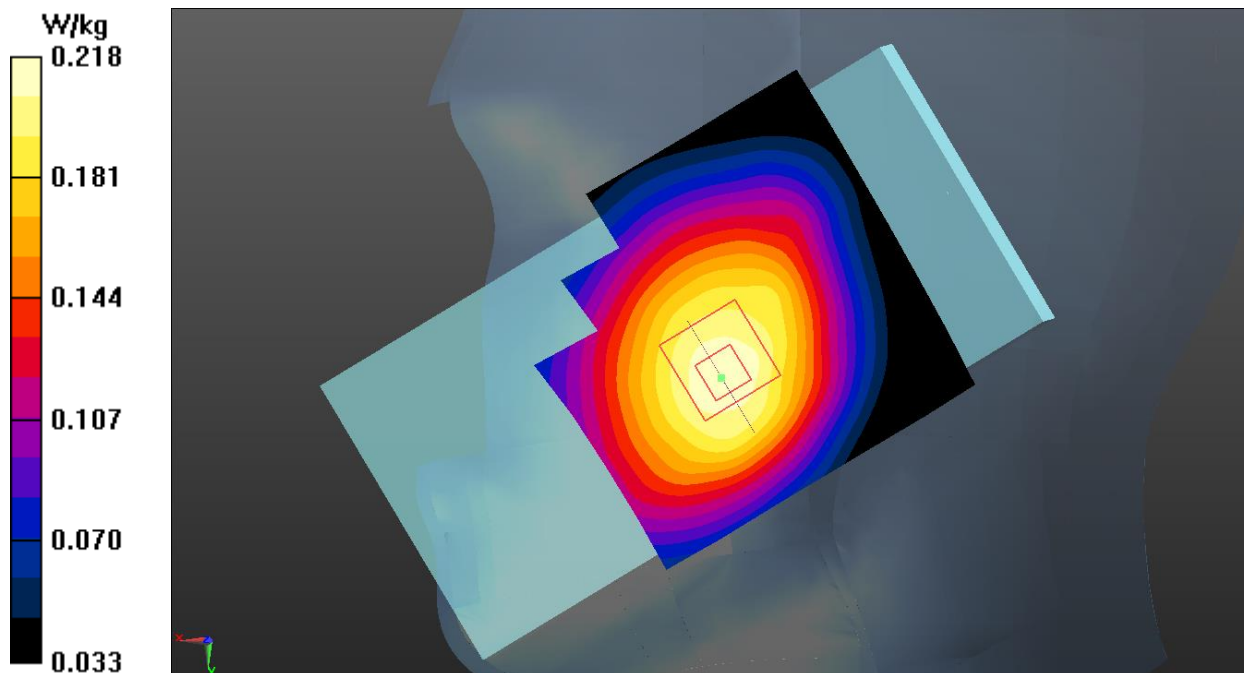


Fig.37 LTE Band 71 Head

LTE Band 71 Body

Date: 2022-5-22

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (extrapolated): $f = 673$ MHz; $\sigma = 0.857$ S/m; $\epsilon_r = 41.868$; $\rho = 1000$ kg/m³

Communication System: UID 0, LTE_FDD (0) Frequency: 673 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Side Low 1RB99/Area Scan (41x71x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.286 W/kg

Right Side Low 1RB99/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 16.41 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.286 W/kg

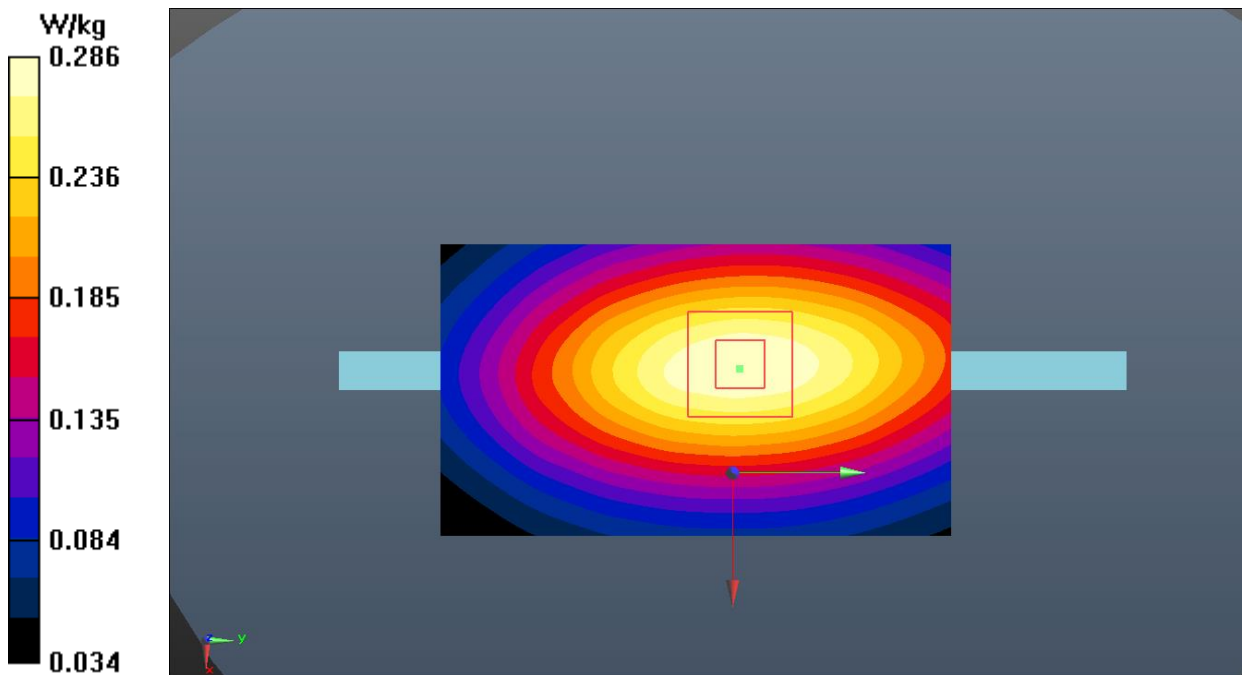


Fig.38 LTE Band 71 Body

NR n2 Head

Date: 2022-7-12

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 39.156$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 1880 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Middle 12@6/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.985 W/kg

Right Cheek Middle 12@6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.01 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 0.899 W/kg

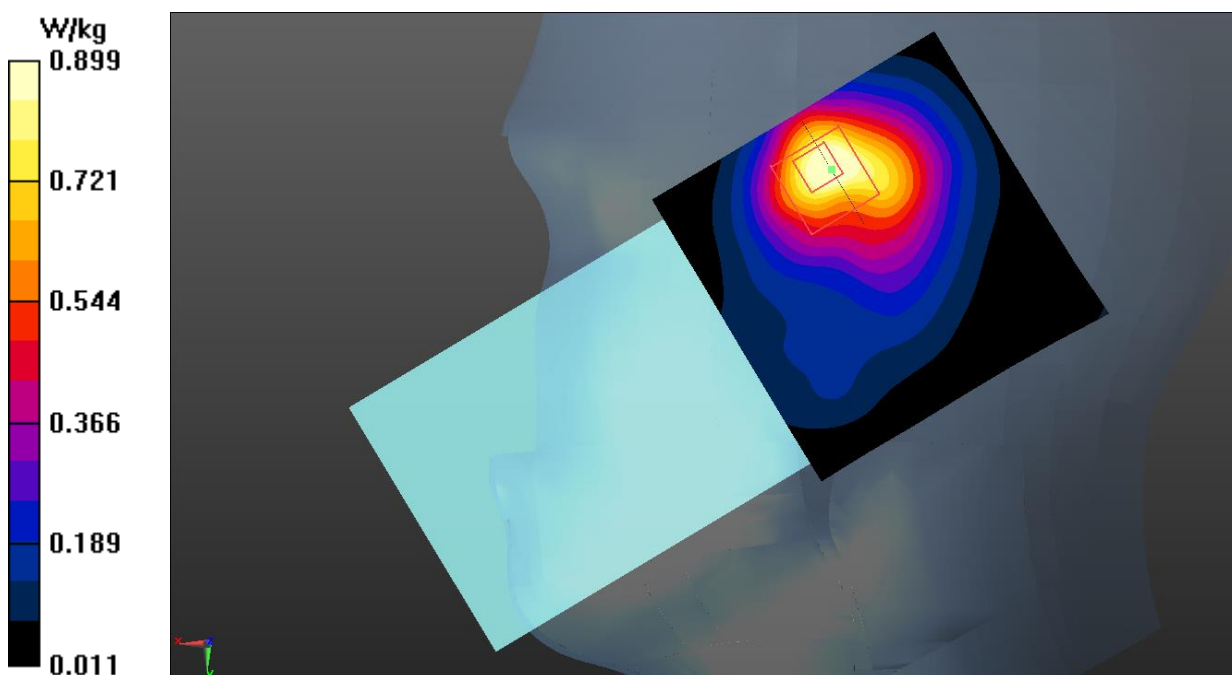


Fig.39 NR n2 Head

NR n2 Body

Date: 2022-7-12

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used (interpolated): $f = 1852.5$ MHz; $\sigma = 1.382$ S/m; $\epsilon_r = 39.264$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 1852.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Rear Side Low 1RB1/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.678 W/kg

Rear Side Low 1RB1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.187 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.269 W/kg

Maximum value of SAR (measured) = 0.637 W/kg

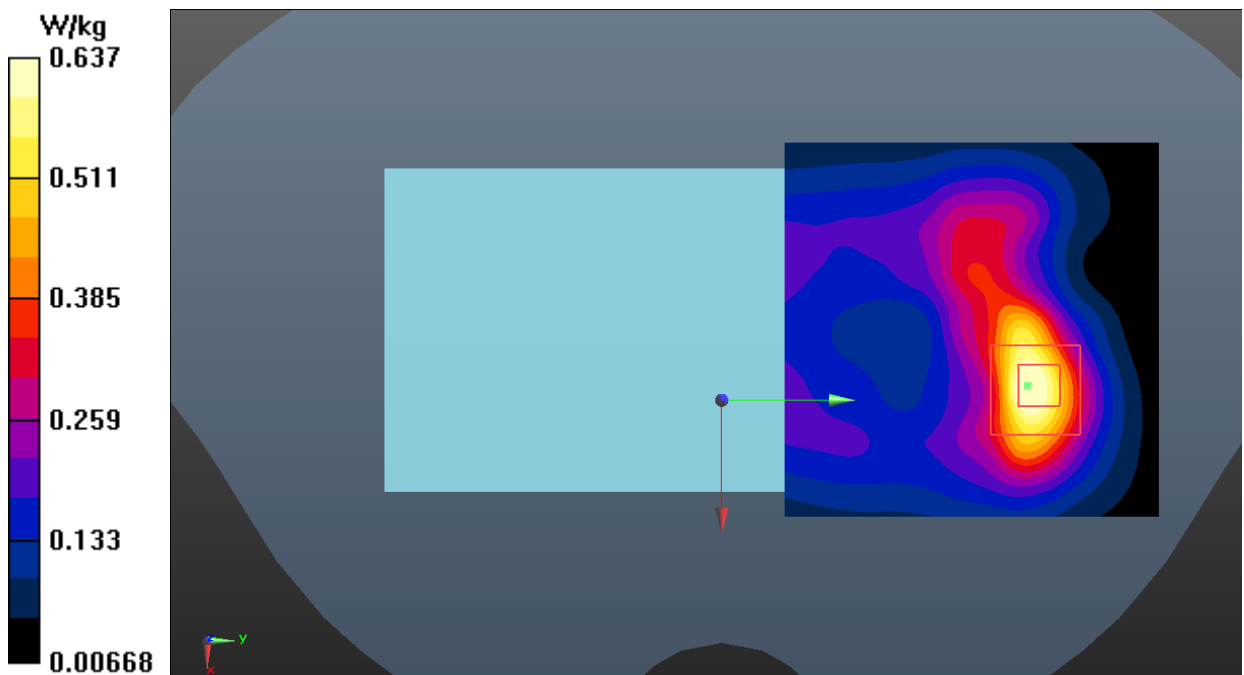


Fig.40 NR n2 Body

NR n5 Head

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.687$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Left Cheek Middle 12@6/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.334 W/kg

Left Cheek Middle 12@6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.947 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.215 W/kg

Maximum value of SAR (measured) = 0.327 W/kg

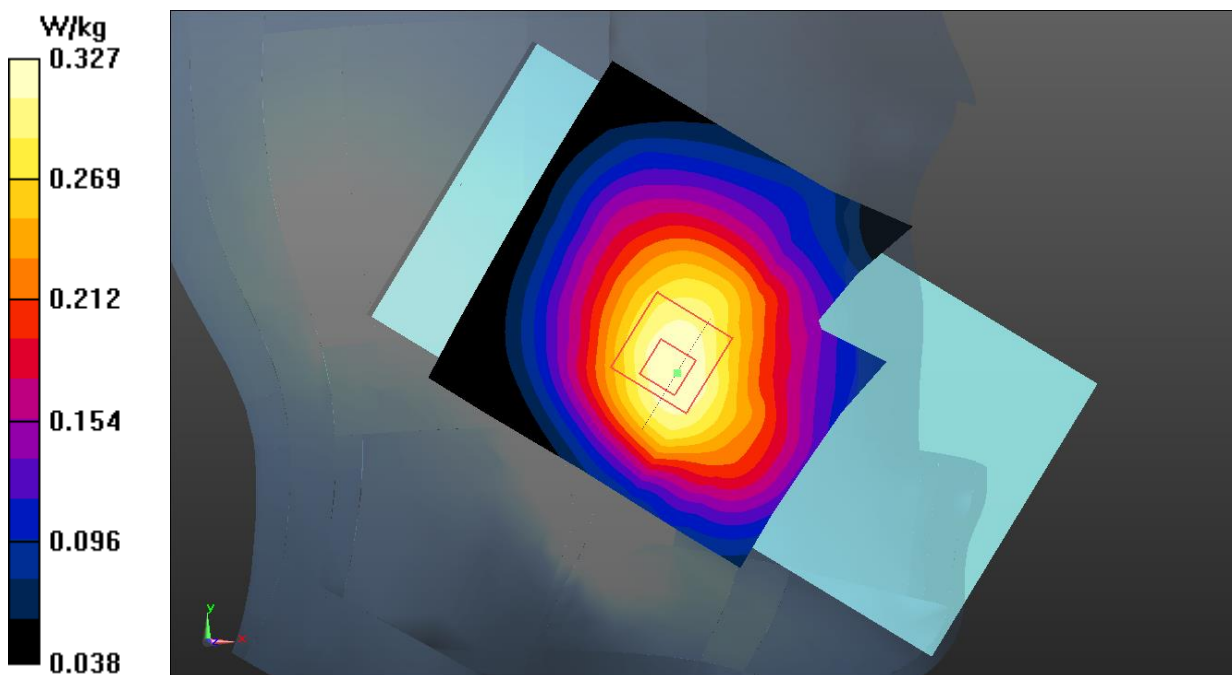


Fig.41 NR n5 Head

NR n5 Body

Date: 2022-5-13

Electronics: DAE4 Sn1527

Medium: Head 835MHz

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.687$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 12RB6/Area Scan (61x111x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.435 W/kg

Rear Side Middle 12RB6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 19.16 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.282 W/kg

Maximum value of SAR (measured) = 0.438 W/kg

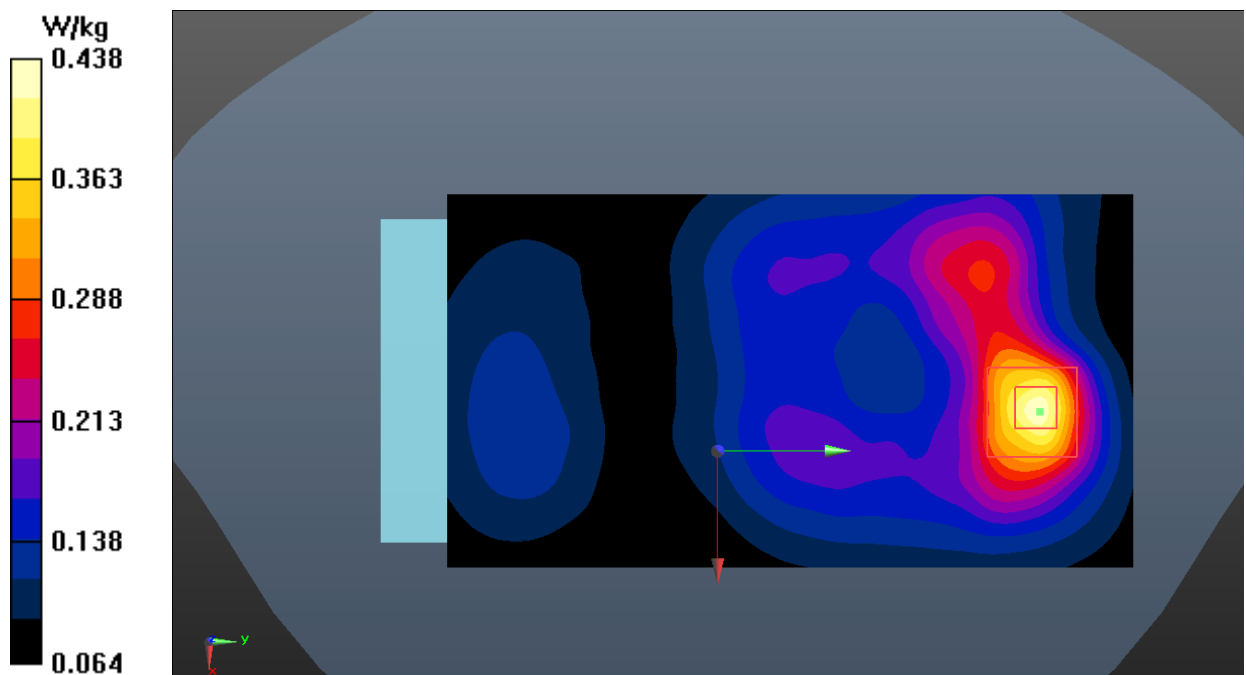


Fig.42 NR n5 Body

NR n14 Head

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.147$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, NR (0) Frequency: 793 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Right Cheek Middle 12@6/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.256 W/kg

Right Cheek Middle 12@6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.209 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.217 W/kg ; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.246 W/kg

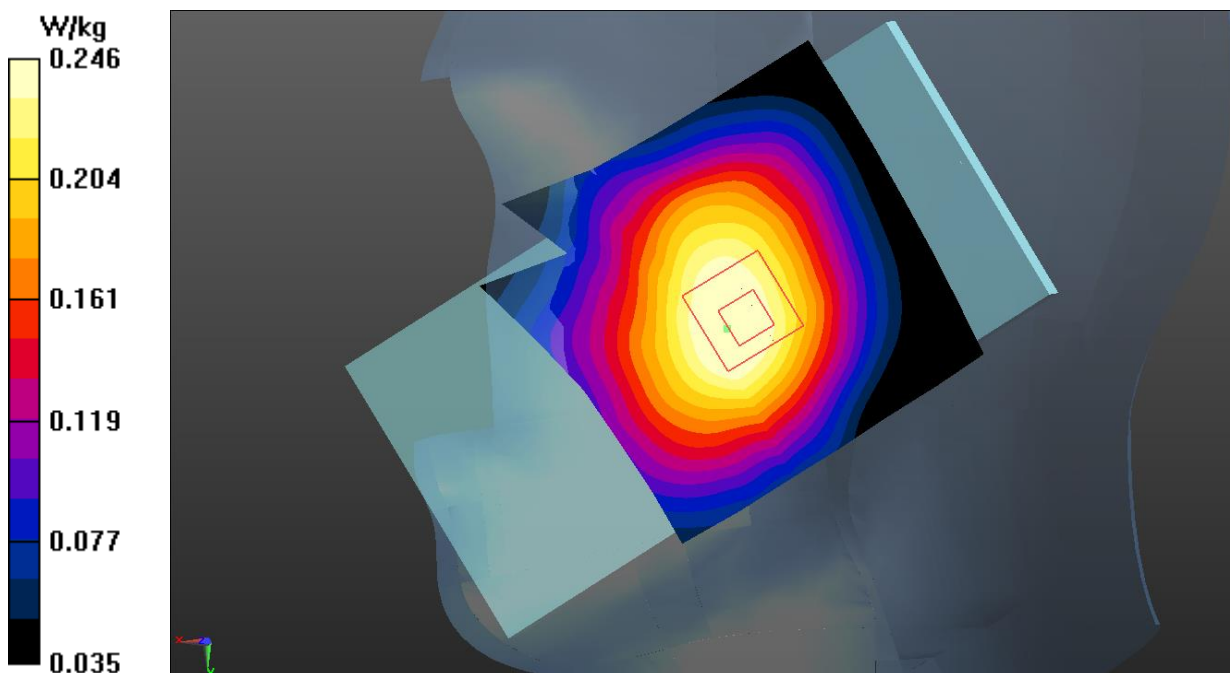


Fig.43 NR n14 Head

NR n14 Body

Date: 2022-5-16

Electronics: DAE4 Sn1527

Medium: Head 750MHz

Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.909 \text{ S/m}$; $\epsilon_r = 42.147$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, NR (0) Frequency: 793 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (11.12, 11.12, 11.12)

Rear Side Middle 12RB6/Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.398 W/kg

Rear Side Middle 12RB6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.38 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.341 W/kg ; SAR(10 g) = 0.256 W/kg

Maximum value of SAR (measured) = 0.398 W/kg

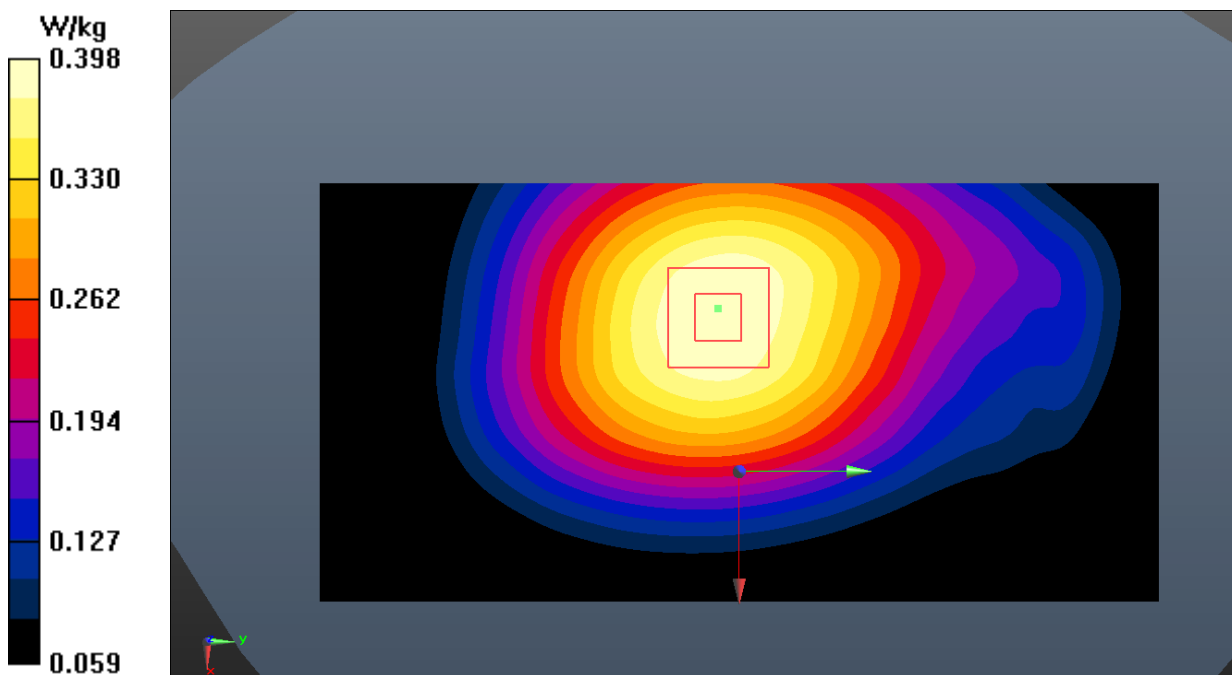


Fig.44 NR n14 Body

NR n25 Head

Date: 2022-7-12

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.145$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Right Cheek Middle 1@214/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Right Cheek Middle 1@214/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.03 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.955 W/kg

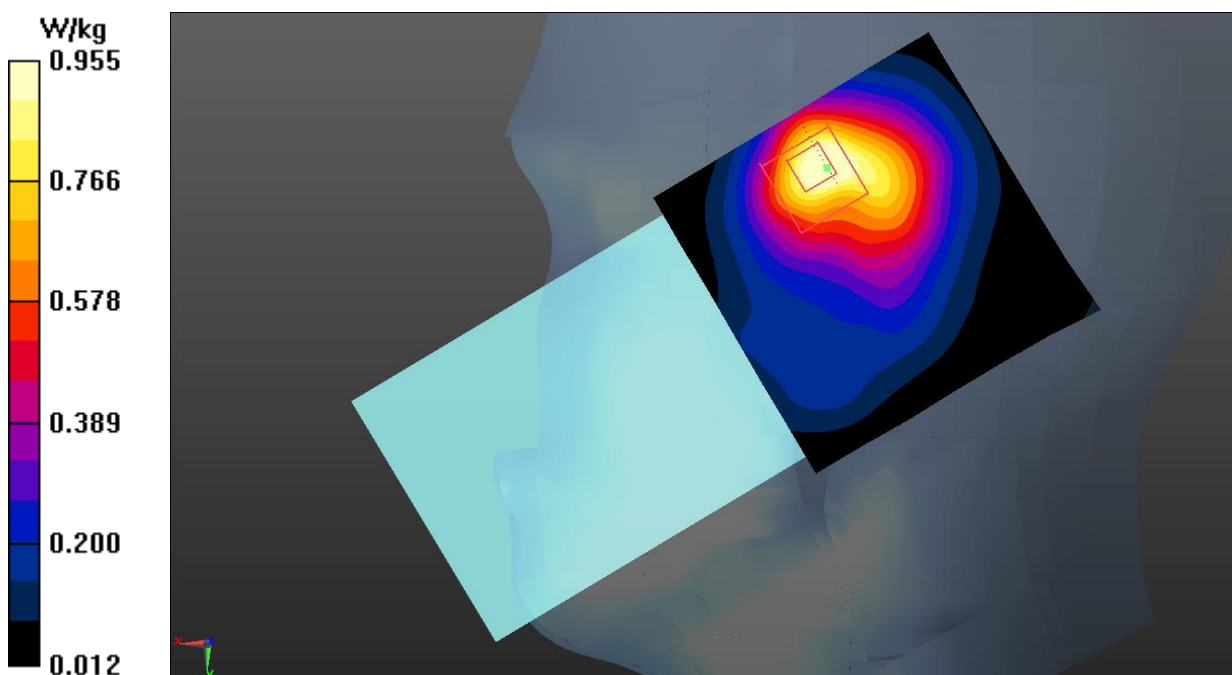


Fig.45 NR n25 Head

NR n25 Body

Date: 2022-7-12

Electronics: DAE4 Sn1527

Medium: Head 1900MHz

Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.145$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 1882.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.90, 8.90, 8.90)

Top Side Middle 1@214/Area Scan (41x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.572 W/kg

Top Side Middle 1@214/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.37 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.561 W/kg

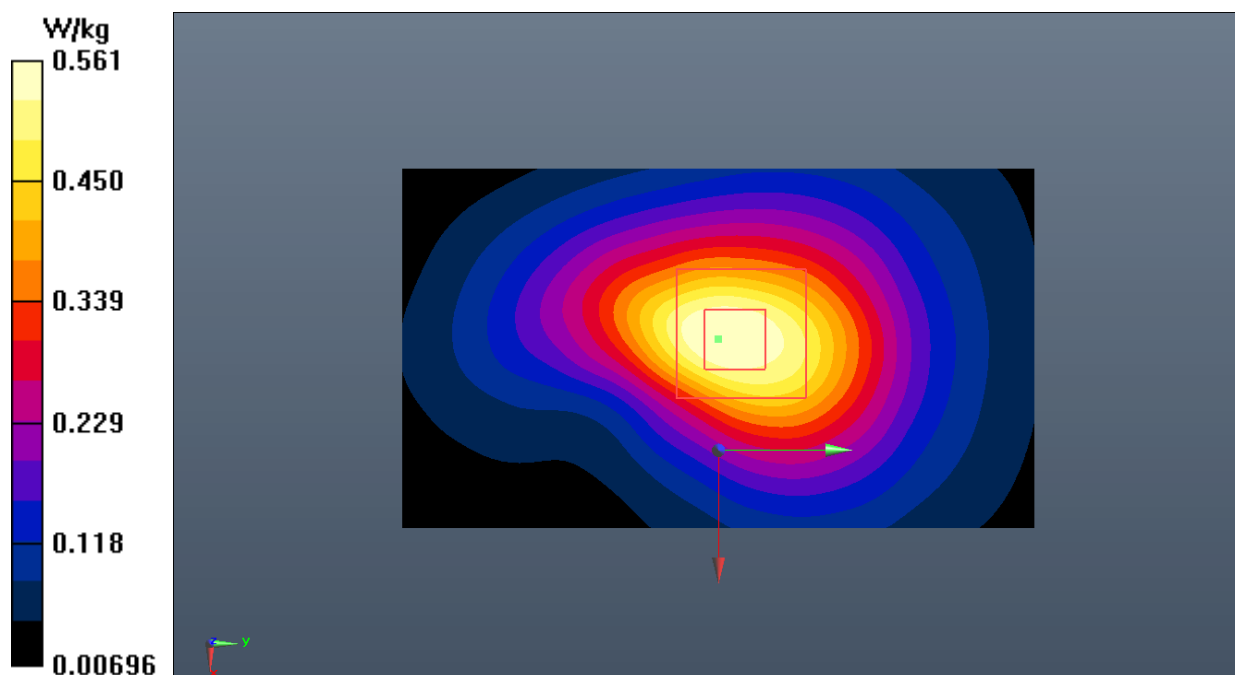


Fig.46 NR n25 Body

NR n30 Head

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.659$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 2310 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Right Cheek Middle 25@12/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.778 W/kg

Right Cheek Middle 25@12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.61 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.249 W/kg

Maximum value of SAR (measured) = 0.780 W/kg

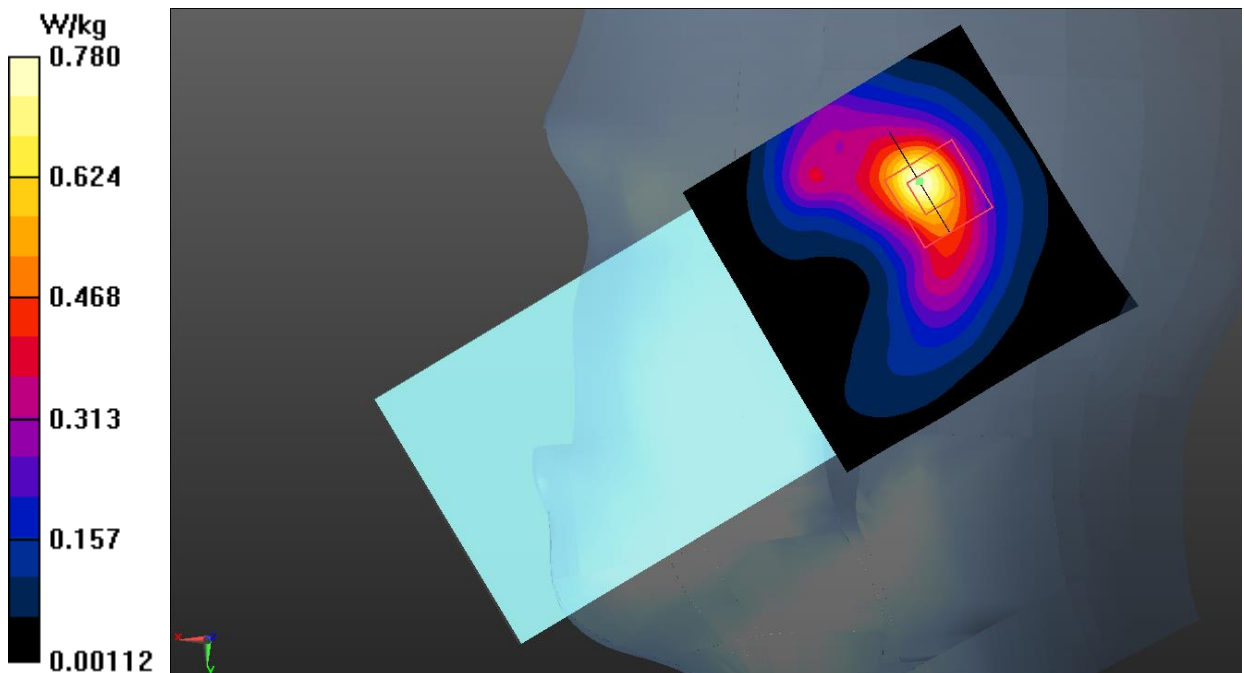


Fig.47 NR n30 Head

NR n30 Body

Date: 2022-7-3

Electronics: DAE4 Sn1527

Medium: Head 2300MHz

Medium parameters used: $f = 2310$ MHz; $\sigma = 1.659$ S/m; $\epsilon_r = 40.098$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 2310 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (8.60, 8.60, 8.60)

Top Side Middle 25@12/Area Scan (61x111x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.709 W/kg

Top Side Middle 25@12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.65 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.883 W/kg

SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.261 W/kg

Maximum value of SAR (measured) = 0.688 W/kg

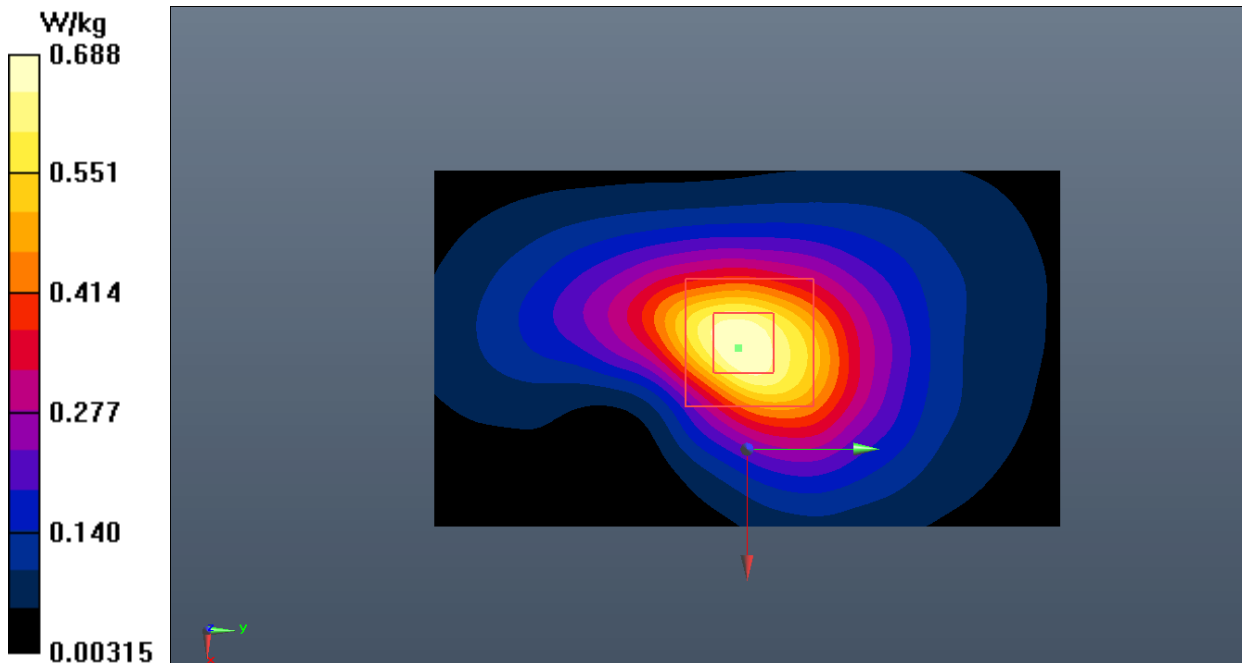


Fig.48 NR n30 Body

NR n41 (PC2) Head

Date: 2022-7-26

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2636.49$ MHz; $\sigma = 2.054$ S/m; $\epsilon_r = 38.222$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 2636.49 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Left Cheek High-Mid 25@12/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.762 W/kg

Left Cheek High-Mid 25@12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.872 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.322 W/kg

Maximum value of SAR (measured) = 0.865 W/kg

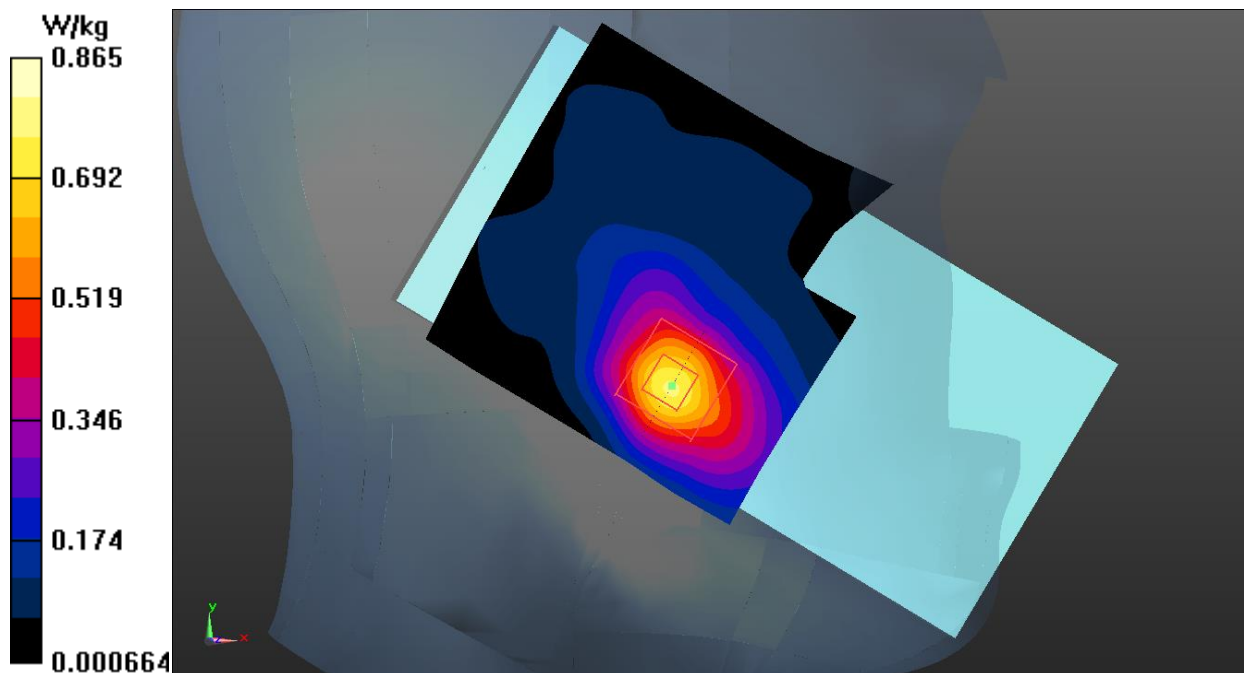


Fig.49 NR n41 (PC2) Head

NR n41 (PC2) Body

Date: 2022-7-26

Electronics: DAE4 Sn1527

Medium: Head 2550MHz

Medium parameters used (interpolated): $f = 2636.49$ MHz; $\sigma = 2.054$ S/m; $\epsilon_r = 38.222$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 2636.49 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (7.93, 7.93, 7.93)

Rear Side High-Mid 25@12/Area Scan (111x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.810 W/kg

Rear Side High-Mid 25@12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.599 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.413 W/kg

Maximum value of SAR (measured) = 0.790 W/kg

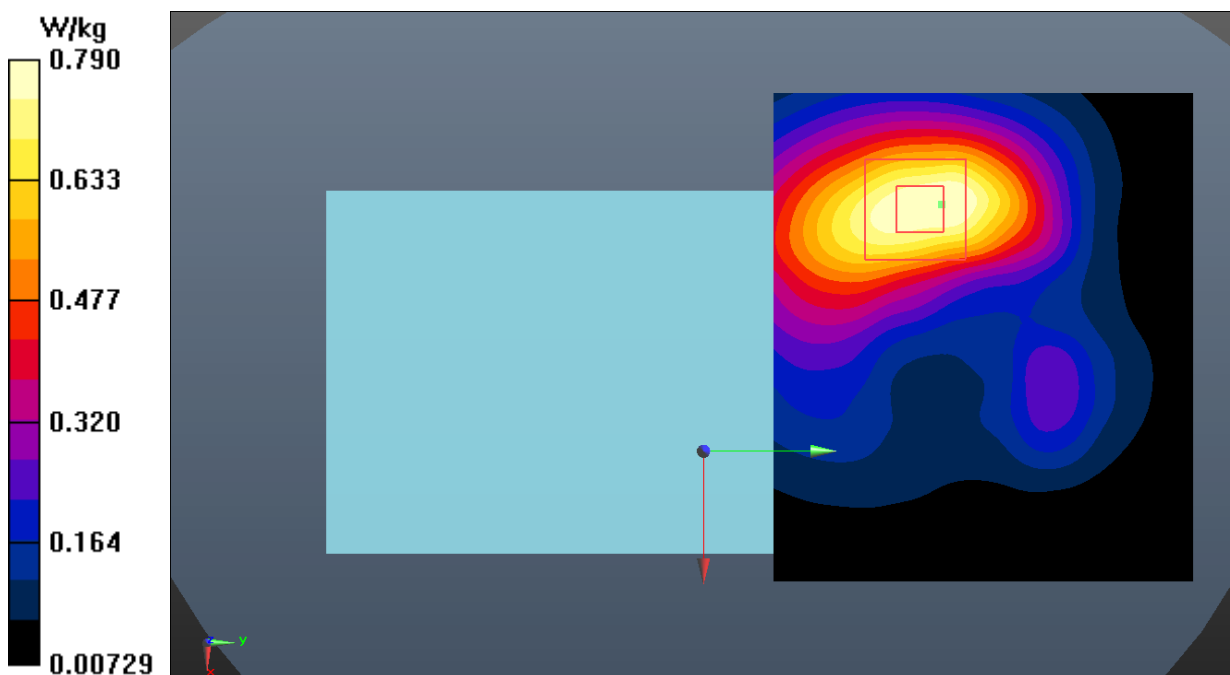


Fig.50 NR n41 (PC2) Body

NR n66 Head

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.381 \text{ S/m}$; $\epsilon_r = 39.313$; $\rho = 1000 \text{ kg/m}^3$

Communication System: UID 0, NR (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Right Cheek Middle 12@6/Area Scan (61x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.856 W/kg

Right Cheek Middle 12@6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.47 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.548 W/kg ; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.821 W/kg

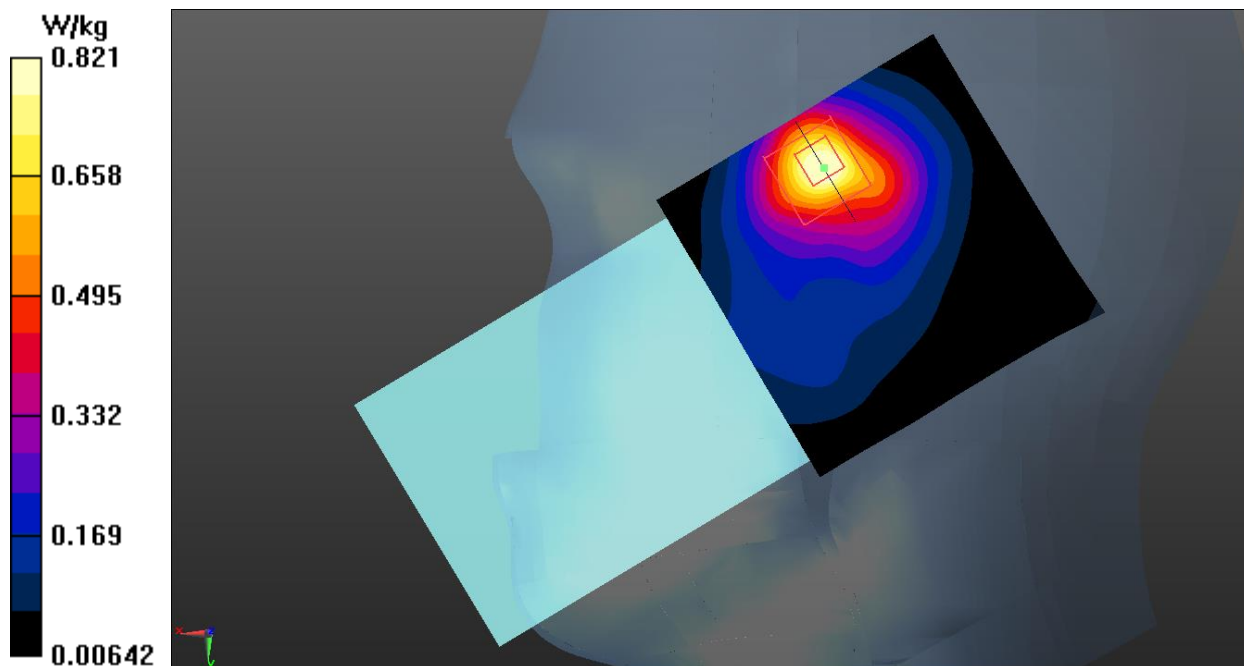


Fig.51 NR n66 Head

NR n66 Body

Date: 2022-7-1

Electronics: DAE4 Sn1527

Medium: Head 1750MHz

Medium parameters used (interpolated): $f = 1777.5$ MHz; $\sigma = 1.409$ S/m; $\epsilon_r = 39.186$; $\rho = 1000$ kg/m³

Communication System: UID 0, NR (0) Frequency: 1777.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7621 ConvF (9.22, 9.22, 9.22)

Rear Side High 12RB6/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.772 W/kg

Rear Side High 12RB6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.977 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.960 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.780 W/kg

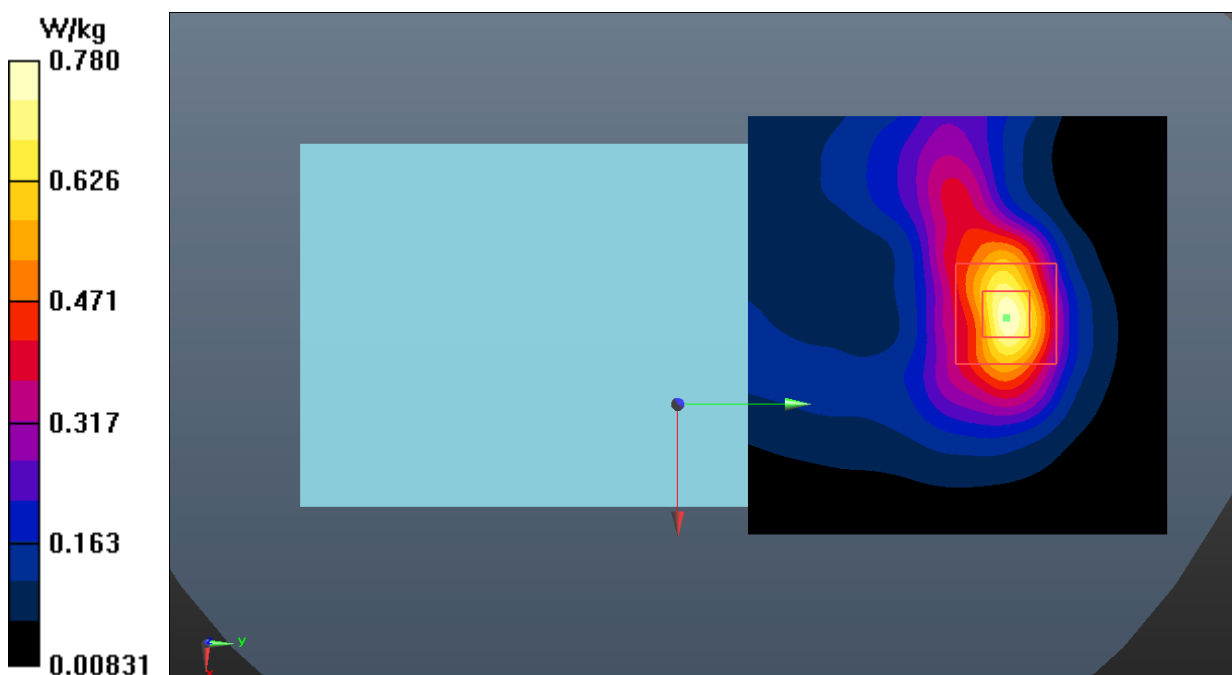


Fig.52 NR n66 Body