

ENDC UL Bands list:

Band	LTE TX Band	LTE TX Ant.	NR TX Band	NR TX Ant.
DC_2A_n2A	Band 2	Ant.1	n2	Ant.5
DC_5A_n2A	Band 5	Ant.1	n2	Ant.5
DC_12A_n2A	Band 12	Ant.1	n2	Ant.5
DC_66A_n2A	Band 66	Ant.1	n2	Ant.5
DC_2A_n5A	Band 2	Ant.1	n5	Ant.5
DC_30A_n5A	Band 30	Ant.1	n5	Ant.5
DC_66A_n5A	Band 66	Ant.1	n5	Ant.5
DC_2A_n66A	Band 2	Ant.1	n66	Ant.5
DC_5A_n66A	Band 5	Ant.1	n66	Ant.5
DC_12A_n66A	Band 12	Ant.1	n66	Ant.5
DC_14A_n66A	Band 14	Ant.1	n66	Ant.5
DC_66A_n66A	Band 66	Ant.1	n66	Ant.5
DC_5A_n66A	Band 5	Ant.1	n30	Ant.5
DC_12A_n66A	Band 12	Ant.1	n30	Ant.5
DC_2A_n77A	Band 2	Ant.1	n77	Ant.6/Ant.4/Ant.3/Ant.2
DC_5A_n77A	Band 5	Ant.1	n77	Ant.6/Ant.4/Ant.3/Ant.2
DC_12A_n77A	Band 12	Ant.1	n77	Ant.6/Ant.4/Ant.3/Ant.2
DC_66A_n77A	Band 66	Ant.1	n77	Ant.6/Ant.4/Ant.3/Ant.2
DC_30A_n77A	Band 30	Ant.1	n77	Ant.6/Ant.4/Ant.3/Ant.2

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.0	Yes	Yes	No	Yes	Yes	No
Ant.1	Yes	Yes	Yes	No	Yes	No
Ant.2	Yes	Yes	Yes	No	Yes	No
Ant.3	Yes	Yes	No	Yes	Yes	No
Ant.4	Yes	Yes	Yes	No	No	Yes
Ant.5	Yes	Yes	Yes	Yes	No	Yes
Ant.6	Yes	Yes	Yes	No	Yes	No

12. Evaluation of Simultaneous

No.	Simultaneous Transmission Configuration	Head	Body-worn	Hotspot	Extremity
1	UMTS Voice + Bluetooth + WLAN 5GHz	Yes	Yes	N/A	Yes
2	UMTS Data + Bluetooth + WLAN 5GHz	Yes	Yes	Yes	Yes
3	UMTS Voice + WLAN 2.4GHz	Yes	Yes	N/A	Yes
4	UMTS Data + WLAN 2.4GHz	Yes	Yes	Yes	Yes
5	LTE + Bluetooth + WLAN 5GHz	Yes	Yes	Yes	Yes
6	LTE + WLAN 2.4GHz	Yes	Yes	Yes	Yes
7	ENDC + Bluetooth + WLAN 5GHz	Yes	Yes	Yes	Yes
8	ENDC + WLAN 2.4GHz	Yes	Yes	Yes	Yes
9	CA+ Bluetooth + WLAN 5GHz	Yes	Yes	Yes	Yes
10	CA + WLAN 2.4GHz	Yes	Yes	Yes	Yes

Table 12.1: The sum of SAR values for UL CA

Mode	Position	CA_2A-5A		
		LTE Band 2 - Ant.1 (W/kg)	LTE Band 5 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.37	1.02
	Left Tilt	0.55	0.19	0.74
	Right Cheek	0.75	0.37	1.12
	Right Tilt	0.75	0.20	0.95
Hotspot	Front	0.19	0.38	0.57
	Rear	0.31	0.53	0.84
	Left	0.08	0.35	0.43
	Right	0.00	0.37	0.37
	Top	0.27	0.00	0.27
	Bottom	0.00	0.07	0.07
Body-worn	Front	0.10	0.36	0.46
	Rear	0.15	0.47	0.62
Mode	Position	CA_2A-12A		
		LTE Band 2 - Ant.1 (W/kg)	LTE Band 12 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.35	1.00
	Left Tilt	0.55	0.17	0.72
	Right Cheek	0.75	0.31	1.06
	Right Tilt	0.75	0.16	0.91
Hotspot	Front	0.19	0.43	0.62
	Rear	0.31	0.57	0.88
	Left	0.08	0.49	0.57
	Right	0.00	0.48	0.48
	Top	0.27	0.00	0.27
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.10	0.47	0.57
	Rear	0.15	0.53	0.68

UL CA

Mode	Position	CA_2A-14A		
		LTE Band 2 - Ant.1 (W/kg)	LTE Band 14 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.36	1.01
	Left Tilt	0.55	0.18	0.73
	Right Cheek	0.75	0.37	1.12
	Right Tilt	0.75	0.18	0.93
Hotspot	Front	0.19	0.38	0.57
	Rear	0.31	0.53	0.84
	Left	0.08	0.39	0.47
	Right	0.00	0.43	0.43
	Top	0.27	0.00	0.27
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.10	0.41	0.51
	Rear	0.15	0.50	0.65
Mode	Position	CA_5A-30A		
		LTE Band 5 - Ant.5 (W/kg)	LTE Band 30 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.37	0.35	0.72
	Left Tilt	0.19	0.40	0.59
	Right Cheek	0.37	0.62	0.99
	Right Tilt	0.20	0.71	0.91
Hotspot	Front	0.38	0.23	0.61
	Rear	0.53	0.62	1.15
	Left	0.35	0.07	0.42
	Right	0.37	0.00	0.37
	Top	0.00	0.56	0.56
	Bottom	0.07	0.00	0.07
Body-worn	Front	0.36	0.15	0.51
	Rear	0.47	0.33	0.80

UL CA

Mode	Position	CA_5A-66A		
		LTE Band 5 - Ant.5 (W/kg)	LTE Band 66 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.37	0.35	0.72
	Left Tilt	0.19	0.35	0.54
	Right Cheek	0.37	0.45	0.82
	Right Tilt	0.20	0.47	0.67
Hotspot	Front	0.38	0.12	0.50
	Rear	0.53	0.18	0.71
	Left	0.35	0.05	0.40
	Right	0.37	0.00	0.37
	Top	0.00	0.17	0.17
	Bottom	0.07	0.00	0.07
Body-worn	Front	0.36	0.04	0.40
	Rear	0.47	0.07	0.54
Mode	Position	CA_12A-30A		
		LTE Band 12 - Ant.5 (W/kg)	LTE Band 30 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.35	0.70
	Left Tilt	0.17	0.40	0.57
	Right Cheek	0.31	0.62	0.93
	Right Tilt	0.16	0.71	0.87
Hotspot	Front	0.43	0.23	0.66
	Rear	0.57	0.62	1.19
	Left	0.49	0.07	0.56
	Right	0.48	0.00	0.48
	Top	0.00	0.56	0.56
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.47	0.15	0.62
	Rear	0.53	0.33	0.86

UL CA

Mode	Position	CA_12A-66A		
		LTE Band 12 - Ant.5 (W/kg)	LTE Band 66 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.35	0.70
	Left Tilt	0.17	0.35	0.52
	Right Cheek	0.31	0.45	0.76
	Right Tilt	0.16	0.47	0.63
Hotspot	Front	0.43	0.12	0.55
	Rear	0.57	0.18	0.75
	Left	0.49	0.05	0.54
	Right	0.48	0.00	0.48
	Top	0.00	0.17	0.17
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.47	0.04	0.51
	Rear	0.53	0.07	0.60
Mode	Position	CA_14A-30A		
		LTE Band 14 - Ant.5 (W/kg)	LTE Band 30 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.36	0.35	0.71
	Left Tilt	0.18	0.40	0.58
	Right Cheek	0.37	0.62	0.99
	Right Tilt	0.18	0.71	0.89
Hotspot	Front	0.38	0.23	0.61
	Rear	0.53	0.62	1.15
	Left	0.39	0.07	0.46
	Right	0.43	0.00	0.43
	Top	0.00	0.56	0.56
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.41	0.15	0.56
	Rear	0.50	0.33	0.83

UL CA

Mode	Position	CA_14A-66A		
		LTE Band 14 - Ant.5 (W/kg)	LTE Band 66 - Ant.1 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.36	0.35	0.71
	Left Tilt	0.18	0.35	0.53
	Right Cheek	0.37	0.45	0.82
	Right Tilt	0.18	0.47	0.65
Hotspot	Front	0.38	0.12	0.50
	Rear	0.53	0.18	0.71
	Left	0.39	0.05	0.44
	Right	0.43	0.00	0.43
	Top	0.00	0.17	0.17
	Bottom	0.06	0.00	0.06
Body-worn	Front	0.41	0.04	0.45
	Rear	0.50	0.07	0.57

Table 12.2: The sum of SAR values for ENDC

Mode	Position	DC_2A_n2A		
		LTE Band 2 - Ant.1 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.24	0.89
	Left Tilt	0.55	0.16	0.71
	Right Cheek	0.75	0.26	1.01
	Right Tilt	0.75	0.12	0.87
Hotspot	Front	0.19	0.45	0.64
	Rear	0.31	0.55	0.86
	Left	0.08	0.19	0.27
	Right	0.00	0.08	0.08
	Top	0.27	0.00	0.27
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.10	0.39	0.49
	Rear	0.15	0.41	0.56
Mode	Position	DC_5A_n2A		
		LTE Band 5 - Ant.1 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.24	0.72
	Left Tilt	0.45	0.16	0.61
	Right Cheek	0.74	0.26	1.00
	Right Tilt	0.77	0.12	0.89
Hotspot	Front	0.07	0.45	0.52
	Rear	0.15	0.55	0.70
	Left	0.05	0.19	0.24
	Right	0.00	0.08	0.08
	Top	0.12	0.00	0.12
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.04	0.39	0.43
	Rear	0.07	0.41	0.48

ENDC

Mode	Position	DC_12A_n2A		
		LTE Band 12 - Ant.1 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.24	0.53
	Left Tilt	0.26	0.16	0.42
	Right Cheek	0.60	0.26	0.86
	Right Tilt	0.51	0.12	0.63
Hotspot	Front	0.06	0.45	0.51
	Rear	0.12	0.55	0.67
	Left	0.06	0.19	0.25
	Right	0.00	0.08	0.08
	Top	0.07	0.00	0.07
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.07	0.39	0.46
	Rear	0.09	0.41	0.50
Mode	Position	DC_66A_n2A		
		LTE Band 66 - Ant.1 (W/kg)	NR n2 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.24	0.59
	Left Tilt	0.35	0.16	0.51
	Right Cheek	0.45	0.26	0.71
	Right Tilt	0.47	0.12	0.59
Hotspot	Front	0.12	0.45	0.57
	Rear	0.18	0.55	0.73
	Left	0.05	0.19	0.24
	Right	0.00	0.08	0.08
	Top	0.17	0.00	0.17
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.04	0.39	0.43
	Rear	0.07	0.41	0.48

ENDC

Mode	Position	DC_2A_n5A		
		LTE Band 2 - Ant.1 (W/kg)	NR n5 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.34	0.99
	Left Tilt	0.55	0.17	0.72
	Right Cheek	0.75	0.32	1.07
	Right Tilt	0.75	0.17	0.92
Hotspot	Front	0.19	0.31	0.50
	Rear	0.31	0.43	0.74
	Left	0.08	0.29	0.37
	Right	0.00	0.29	0.29
	Top	0.27	0.00	0.27
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.10	0.30	0.40
	Rear	0.15	0.39	0.54
Mode	Position	DC_30A_n5A		
		LTE Band 30 - Ant.1 (W/kg)	NR n5 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.34	0.69
	Left Tilt	0.40	0.17	0.57
	Right Cheek	0.62	0.32	0.94
	Right Tilt	0.71	0.17	0.88
Hotspot	Front	0.23	0.31	0.54
	Rear	0.62	0.43	1.05
	Left	0.07	0.29	0.36
	Right	0.00	0.29	0.29
	Top	0.56	0.00	0.56
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.15	0.30	0.45
	Rear	0.33	0.39	0.72

ENDC

Mode	Position	DC_66A_n5A		
		LTE Band 66 - Ant.1 (W/kg)	NR n5 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.34	0.69
	Left Tilt	0.35	0.17	0.52
	Right Cheek	0.45	0.32	0.77
	Right Tilt	0.47	0.17	0.64
Hotspot	Front	0.12	0.31	0.43
	Rear	0.18	0.43	0.61
	Left	0.05	0.29	0.34
	Right	0.00	0.29	0.29
	Top	0.17	0.00	0.17
	Bottom	0.00	0.06	0.06
Body-worn	Front	0.04	0.30	0.34
	Rear	0.07	0.39	0.46
Mode	Position	DC_2A_n66A		
		LTE Band 2 - Ant.1 (W/kg)	NR n66 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.15	0.80
	Left Tilt	0.55	0.14	0.69
	Right Cheek	0.75	0.22	0.97
	Right Tilt	0.75	0.10	0.85
Hotspot	Front	0.19	0.39	0.58
	Rear	0.31	0.48	0.79
	Left	0.08	0.08	0.16
	Right	0.00	0.09	0.09
	Top	0.27	0.00	0.27
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.10	0.25	0.35
	Rear	0.15	0.31	0.46

ENDC

Mode	Position	DC_5A_n66A		
		LTE Band 5 - Ant.1 (W/kg)	NR n66 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.15	0.63
	Left Tilt	0.45	0.14	0.59
	Right Cheek	0.74	0.22	0.96
	Right Tilt	0.77	0.10	0.87
Hotspot	Front	0.07	0.39	0.46
	Rear	0.15	0.48	0.63
	Left	0.05	0.08	0.13
	Right	0.00	0.09	0.09
	Top	0.12	0.00	0.12
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.04	0.25	0.29
	Rear	0.07	0.31	0.38
Mode	Position	DC_12A_n66A		
		LTE Band 12 - Ant.1 (W/kg)	NR n66 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.15	0.44
	Left Tilt	0.26	0.14	0.40
	Right Cheek	0.60	0.22	0.82
	Right Tilt	0.51	0.10	0.61
Hotspot	Front	0.06	0.39	0.45
	Rear	0.12	0.48	0.60
	Left	0.06	0.08	0.14
	Right	0.00	0.09	0.09
	Top	0.07	0.00	0.07
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.07	0.25	0.32
	Rear	0.09	0.31	0.40

ENDC

Mode	Position	DC_14A_n66A		
		LTE Band 14 - Ant.1 (W/kg)	NR n66 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.43	0.15	0.58
	Left Tilt	0.42	0.14	0.56
	Right Cheek	0.71	0.22	0.93
	Right Tilt	0.69	0.10	0.79
Hotspot	Front	0.12	0.39	0.51
	Rear	0.24	0.48	0.72
	Left	0.06	0.08	0.14
	Right	0.00	0.09	0.09
	Top	0.17	0.00	0.17
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.06	0.25	0.31
	Rear	0.09	0.31	0.40
Mode	Position	DC_66A_n66A		
		LTE Band 66 - Ant.1 (W/kg)	NR n66 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.15	0.50
	Left Tilt	0.35	0.14	0.49
	Right Cheek	0.45	0.22	0.67
	Right Tilt	0.47	0.10	0.57
Hotspot	Front	0.12	0.39	0.51
	Rear	0.18	0.48	0.66
	Left	0.05	0.08	0.13
	Right	0.00	0.09	0.09
	Top	0.17	0.00	0.17
	Bottom	0.00	0.67	0.67
Body-worn	Front	0.04	0.25	0.29
	Rear	0.07	0.31	0.38

ENDC

Mode	Position	DC_5A_n30A		
		LTE Band 5 - Ant.1 (W/kg)	NR n30 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.10	0.58
	Left Tilt	0.45	0.10	0.55
	Right Cheek	0.74	0.13	0.87
	Right Tilt	0.77	0.12	0.89
Hotspot	Front	0.07	0.48	0.55
	Rear	0.15	0.56	0.71
	Left	0.05	0.04	0.09
	Right	0.00	0.07	0.07
	Top	0.12	0.00	0.12
	Bottom	0.00	0.74	0.74
Body-worn	Front	0.04	0.32	0.36
	Rear	0.07	0.41	0.48
Mode	Position	DC_12A_n30A		
		LTE Band 12 - Ant.1 (W/kg)	NR n30 - Ant.5 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.10	0.39
	Left Tilt	0.26	0.10	0.36
	Right Cheek	0.60	0.13	0.73
	Right Tilt	0.51	0.12	0.63
Hotspot	Front	0.06	0.48	0.54
	Rear	0.12	0.56	0.68
	Left	0.06	0.04	0.10
	Right	0.00	0.07	0.07
	Top	0.07	0.00	0.07
	Bottom	0.00	0.74	0.74
Body-worn	Front	0.07	0.32	0.39
	Rear	0.09	0.41	0.50

ENDC

Mode	Position	DC_2A_n77A		
		LTE Band 2 - Ant.1 (W/kg)	NR n77 - Ant.6 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.23	0.88
	Left Tilt	0.55	0.20	0.75
	Right Cheek	0.75	0.49	1.24
	Right Tilt	0.75	0.38	1.13
Hotspot	Front	0.19	0.33	0.52
	Rear	0.31	0.69	1.00
	Left	0.08	0.36	0.44
	Right	0.00	0.00	0.00
	Top	0.27	0.43	0.70
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.10	0.17	0.27
	Rear	0.15	0.31	0.46
Mode	Position	DC_5A_n77A		
		LTE Band 5 - Ant.1 (W/kg)	NR n77 - Ant.6 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.23	0.71
	Left Tilt	0.45	0.20	0.65
	Right Cheek	0.74	0.49	1.23
	Right Tilt	0.77	0.38	1.15
Hotspot	Front	0.07	0.33	0.40
	Rear	0.15	0.69	0.84
	Left	0.05	0.36	0.41
	Right	0.00	0.00	0.00
	Top	0.12	0.43	0.55
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.17	0.21
	Rear	0.07	0.31	0.38

ENDC

Mode	Position	DC_12A_n77A		
		LTE Band 12 - Ant.1 (W/kg)	NR n77 - Ant.6 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.23	0.52
	Left Tilt	0.26	0.20	0.46
	Right Cheek	0.60	0.49	1.09
	Right Tilt	0.51	0.38	0.89
Hotspot	Front	0.06	0.33	0.39
	Rear	0.12	0.69	0.81
	Left	0.06	0.36	0.42
	Right	0.00	0.00	0.00
	Top	0.07	0.43	0.50
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.07	0.17	0.24
	Rear	0.09	0.31	0.40
Mode	Position	DC_66A_n77A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.6 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.23	0.58
	Left Tilt	0.35	0.20	0.55
	Right Cheek	0.45	0.49	0.94
	Right Tilt	0.47	0.38	0.85
Hotspot	Front	0.12	0.33	0.45
	Rear	0.18	0.69	0.87
	Left	0.05	0.36	0.41
	Right	0.00	0.00	0.00
	Top	0.17	0.43	0.60
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.17	0.21
	Rear	0.07	0.31	0.38

ENDC

Mode	Position	DC_30A_n77A		
		LTE Band 30 - Ant.1 (W/kg)	NR n77 - Ant.6 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.23	0.58
	Left Tilt	0.40	0.20	0.60
	Right Cheek	0.62	0.49	1.11
	Right Tilt	0.71	0.38	1.09
Hotspot	Front	0.23	0.33	0.56
	Rear	0.62	0.69	1.31
	Left	0.07	0.36	0.43
	Right	0.00	0.00	0.00
	Top	0.56	0.43	0.99
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.15	0.17	0.32
	Rear	0.33	0.31	0.64
Mode	Position	DC_2A_n77A		
		LTE Band 2 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.42	1.07
	Left Tilt	0.55	0.09	0.64
	Right Cheek	0.75	0.44	1.19
	Right Tilt	0.75	0.17	0.92
Hotspot	Front	0.19	0.09	0.28
	Rear	0.31	0.63	0.94
	Left	0.08	0.42	0.50
	Right	0.00	0.00	0.00
	Top	0.27	0.05	0.32
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.10	0.08	0.18
	Rear	0.15	0.42	0.57

ENDC

Mode	Position	DC_5A_n77A		
		LTE Band 5 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.42	0.90
	Left Tilt	0.45	0.09	0.54
	Right Cheek	0.74	0.44	1.18
	Right Tilt	0.77	0.17	0.94
Hotspot	Front	0.07	0.09	0.16
	Rear	0.15	0.63	0.78
	Left	0.05	0.42	0.47
	Right	0.00	0.00	0.00
	Top	0.12	0.05	0.17
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.08	0.12
	Rear	0.07	0.42	0.49
Mode	Position	DC_12A_n77A		
		LTE Band 12 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.42	0.71
	Left Tilt	0.26	0.09	0.35
	Right Cheek	0.60	0.44	1.04
	Right Tilt	0.51	0.17	0.68
Hotspot	Front	0.06	0.09	0.15
	Rear	0.12	0.63	0.75
	Left	0.06	0.42	0.48
	Right	0.00	0.00	0.00
	Top	0.07	0.05	0.12
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.07	0.08	0.15
	Rear	0.09	0.42	0.51

ENDC

Mode	Position	DC_66A_n77A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.42	0.77
	Left Tilt	0.35	0.09	0.44
	Right Cheek	0.45	0.44	0.89
	Right Tilt	0.47	0.17	0.64
Hotspot	Front	0.12	0.09	0.21
	Rear	0.18	0.63	0.81
	Left	0.05	0.42	0.47
	Right	0.00	0.00	0.00
	Top	0.17	0.05	0.22
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.08	0.12
	Rear	0.07	0.42	0.49
Mode	Position	DC_30A_n77A		
		LTE Band 30 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.42	0.77
	Left Tilt	0.40	0.09	0.49
	Right Cheek	0.62	0.44	1.06
	Right Tilt	0.71	0.17	0.88
Hotspot	Front	0.23	0.09	0.32
	Rear	0.62	0.63	1.25
	Left	0.07	0.42	0.49
	Right	0.00	0.00	0.00
	Top	0.56	0.05	0.61
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.15	0.08	0.23
	Rear	0.33	0.42	0.75

ENDC

Mode	Position	DC_2A_n77A		
		LTE Band 2 - Ant.1 (W/kg)	NR n77 - Ant.3 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.44	1.09
	Left Tilt	0.55	0.21	0.76
	Right Cheek	0.75	0.10	0.85
	Right Tilt	0.75	0.10	0.85
Hotspot	Front	0.19	0.18	0.37
	Rear	0.31	0.56	0.87
	Left	0.08	0.00	0.08
	Right	0.00	0.68	0.68
	Top	0.27	0.18	0.45
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.10	0.16	0.26
	Rear	0.15	0.43	0.58
Mode	Position	DC_5A_n77A		
		LTE Band 5 - Ant.1 (W/kg)	NR n77 - Ant.3 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.44	0.92
	Left Tilt	0.45	0.21	0.66
	Right Cheek	0.74	0.10	0.84
	Right Tilt	0.77	0.10	0.87
Hotspot	Front	0.07	0.18	0.25
	Rear	0.15	0.56	0.71
	Left	0.05	0.00	0.05
	Right	0.00	0.68	0.68
	Top	0.12	0.18	0.30
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.16	0.20
	Rear	0.07	0.43	0.50

ENDC

Mode	Position	DC_12A_n77A		
		LTE Band 12 - Ant.1 (W/kg)	NR n77 - Ant.3 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.44	0.73
	Left Tilt	0.26	0.21	0.47
	Right Cheek	0.60	0.10	0.70
	Right Tilt	0.51	0.10	0.61
Hotspot	Front	0.06	0.18	0.24
	Rear	0.12	0.56	0.68
	Left	0.06	0.00	0.06
	Right	0.00	0.68	0.68
	Top	0.07	0.18	0.25
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.07	0.16	0.23
	Rear	0.09	0.43	0.52
Mode	Position	DC_66A_n77A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.3 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.44	0.79
	Left Tilt	0.35	0.21	0.56
	Right Cheek	0.45	0.10	0.55
	Right Tilt	0.47	0.10	0.57
Hotspot	Front	0.12	0.18	0.30
	Rear	0.18	0.56	0.74
	Left	0.05	0.00	0.05
	Right	0.00	0.68	0.68
	Top	0.17	0.18	0.35
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.04	0.16	0.20
	Rear	0.07	0.43	0.50

ENDC

Mode	Position	DC_30A_n77A		
		LTE Band 30 - Ant.1 (W/kg)	NR n77 - Ant.3 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.44	0.79
	Left Tilt	0.40	0.21	0.61
	Right Cheek	0.62	0.10	0.72
	Right Tilt	0.71	0.10	0.81
Hotspot	Front	0.23	0.18	0.41
	Rear	0.62	0.56	1.18
	Left	0.07	0.00	0.07
	Right	0.00	0.68	0.68
	Top	0.56	0.18	0.74
	Bottom	0.00	0.00	0.00
Body-worn	Front	0.15	0.16	0.31
	Rear	0.33	0.43	0.76
Mode	Position	DC_2A_n77A		
		LTE Band 2 - Ant.1 (W/kg)	NR n77 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.65	0.43	1.08
	Left Tilt	0.55	0.24	0.79
	Right Cheek	0.75	0.27	1.02
	Right Tilt	0.75	0.28	1.03
Hotspot	Front	0.19	0.40	0.59
	Rear	0.31	0.64	0.95
	Left	0.08	0.70	0.78
	Right	0.00	0.00	0.00
	Top	0.27	0.00	0.27
	Bottom	0.00	0.19	0.19
Body-worn	Front	0.10	0.34	0.44
	Rear	0.15	0.44	0.59

ENDC

Mode	Position	DC_5A_n77A		
		LTE Band 5 - Ant.1 (W/kg)	NR n77 - Ant.2 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.48	0.43	0.91
	Left Tilt	0.45	0.24	0.69
	Right Cheek	0.74	0.27	1.01
	Right Tilt	0.77	0.28	1.05
Hotspot	Front	0.07	0.40	0.47
	Rear	0.15	0.64	0.79
	Left	0.05	0.70	0.75
	Right	0.00	0.00	0.00
	Top	0.12	0.00	0.12
	Bottom	0.00	0.19	0.19
Body-worn	Front	0.04	0.34	0.38
	Rear	0.07	0.44	0.51
Mode	Position	DC_12A_n77A		
		LTE Band 12 - Ant.1 (W/kg)	NR n77 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.29	0.43	0.72
	Left Tilt	0.26	0.24	0.50
	Right Cheek	0.60	0.27	0.87
	Right Tilt	0.51	0.28	0.79
Hotspot	Front	0.06	0.40	0.46
	Rear	0.12	0.64	0.76
	Left	0.06	0.70	0.76
	Right	0.00	0.00	0.00
	Top	0.07	0.00	0.07
	Bottom	0.00	0.19	0.19
Body-worn	Front	0.07	0.34	0.41
	Rear	0.09	0.44	0.53

ENDC

Mode	Position	DC_66A_n77A		
		LTE Band 66 - Ant.1 (W/kg)	NR n77 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.43	0.78
	Left Tilt	0.35	0.24	0.59
	Right Cheek	0.45	0.27	0.72
	Right Tilt	0.47	0.28	0.75
Hotspot	Front	0.12	0.40	0.52
	Rear	0.18	0.64	0.82
	Left	0.05	0.70	0.75
	Right	0.00	0.00	0.00
	Top	0.17	0.00	0.17
	Bottom	0.00	0.19	0.19
Body-worn	Front	0.04	0.34	0.38
	Rear	0.07	0.44	0.51
Mode	Position	DC_30A_n77A		
		LTE Band 30 - Ant.1 (W/kg)	NR n77 - Ant.4 (W/kg)	SUM (W/kg)
Head	Left Cheek	0.35	0.43	0.78
	Left Tilt	0.40	0.24	0.64
	Right Cheek	0.62	0.27	0.89
	Right Tilt	0.71	0.28	0.99
Hotspot	Front	0.23	0.40	0.63
	Rear	0.62	0.64	1.26
	Left	0.07	0.70	0.77
	Right	0.00	0.00	0.00
	Top	0.56	0.00	0.56
	Bottom	0.00	0.19	0.19
Body-worn	Front	0.15	0.34	0.49
	Rear	0.33	0.44	0.77

Table 12.3: Maximum Simultaneous Transmission SAR

/	Position	Sum (W/kg)
Highest reported SAR value for Head	Left Cheek DC_2A(Ant.1)_n77A(Ant.3) + WLAN 5HGHZ + Bluetooth / Right Cheek DC_2A(Ant.1)_n77A(Ant.6) + WLAN 5HGHZ + Bluetooth	1.59
Highest reported SAR value for Hotspot	Rear Side DC_30A(Ant.1)_n77A(Ant.6) + WLAN 5HGHZ + Bluetooth	1.58
Highest reported SAR value for Body-worn	Rear Side DC_12A(Ant.5)_30A(Ant.1) + WLAN 5HGHZ + Bluetooth	1.55
Highest reported SAR value for Extremity	Rear Side LTE Band 48 + WLAN 2.4GHz	3.91

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.

2. Per KDB 447498 D01V06, NFC SAR no need test.

Duty Cycle

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

13.1. Testing Environment

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

13.2. SAR results for 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	/	22.90	24.0	0.196	0.25	0.01
9400	1880.0	RMC	Left Tilt	/	22.90	24.0	0.148	0.19	0.08
9400	1880.0	RMC	Right Cheek	1	22.90	24.0	0.219	0.28	0.09
9400	1880.0	RMC	Right Tilt	/	22.90	24.0	0.101	0.13	0.04

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	/	20.90	22.0	0.480	0.62	0.02
9400	1880.0	RMC	Rear	/	20.90	22.0	0.532	0.69	0.17
9400	1880.0	RMC	Left	/	20.90	22.0	0.181	0.23	-0.11
9400	1880.0	RMC	Right	/	20.90	22.0	0.103	0.13	-0.13
9400	1880.0	RMC	Bottom	/	20.90	22.0	0.681	0.88	0.30
9538	1908.0	RMC	Bottom	/	20.90	22.0	0.608	0.78	0.00
9262	1852.4	RMC	Bottom	2	21.00	22.0	0.728	0.92	0.02
Body-Worn Test Data (15mm) - Power Level C1									
9400	1880.0	RMC	Front	/	22.90	24.0	0.413	0.53	0.03
9400	1880.0	RMC	Rear	/	22.90	24.0	0.455	0.59	0.12

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	/	22.60	23.5	0.116	0.14	0.08
1413	1732.6	RMC	Left Tilt	/	22.60	23.5	0.109	0.13	0.03
1413	1732.6	RMC	Right Cheek	3	22.60	23.5	0.199	0.24	0.04
1413	1732.6	RMC	Right Tilt	/	22.60	23.5	0.067	0.08	-0.06

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	/	19.60	21.0	0.373	0.51	0.10
1413	1732.6	RMC	Rear	/	19.60	21.0	0.481	0.66	0.09
1413	1732.6	RMC	Left	/	19.60	21.0	0.100	0.14	-0.06
1413	1732.6	RMC	Right	/	19.60	21.0	0.077	0.11	0.13
1413	1732.6	RMC	Bottom	/	19.60	21.0	0.646	0.89	0.12
1513	1752.6	RMC	Bottom	4	19.60	21.0	0.658	0.91	0.04
1312	1712.4	RMC	Bottom	/	19.70	21.0	0.625	0.84	0.11
Body-Worn Test Data (15mm) - Power Level C1									
1413	1732.6	RMC	Front	/	22.60	23.5	0.404	0.50	0.03
1413	1732.6	RMC	Rear	/	22.60	23.5	0.491	0.60	0.12

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	5	22.60	24.0	0.277	0.38	0.02
4183	836.6	RMC	Left Tilt	/	22.60	24.0	0.149	0.21	0.12
4183	836.6	RMC	Right Cheek	/	22.60	24.0	0.268	0.37	0.05
4183	836.6	RMC	Right Tilt	/	22.60	24.0	0.140	0.19	0.06

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	/	22.60	24.0	0.242	0.33	0.03
4183	836.6	RMC	Rear	6	22.60	24.0	0.334	0.46	0.02
4183	836.6	RMC	Left	/	22.60	24.0	0.007	0.01	0.12
4183	836.6	RMC	Right	/	22.60	24.0	0.122	0.17	0.07
4183	836.6	RMC	Bottom	/	22.60	24.0	0.054	0.07	-0.12
Body-Worn Test Data (15mm) - Power Level C1									
4183	836.6	RMC	Front	/	22.60	24.0	0.236	0.33	0.04
4183	836.6	RMC	Rear	/	22.60	24.0	0.295	0.41	0.02

Table 13.7: SAR Values (LTE Band 2 - Head) - Ant.5

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									
18900	1880.0	1RB50	Left Cheek	/	23.04	24.0	0.193	0.24	0.08
18900	1880.0	50RB0	Left Cheek	/	22.20	23.0	0.147	0.18	0.08
18900	1880.0	1RB50	Left Tilt	/	23.04	24.0	0.138	0.17	0.03
18900	1880.0	50RB0	Left Tilt	/	22.20	23.0	0.105	0.13	0.08
18900	1880.0	1RB50	Right Cheek	7	23.04	24.0	0.231	0.29	0.03
18900	1880.0	50RB0	Right Cheek	/	22.20	23.0	0.175	0.21	0.12
18900	1880.0	1RB50	Right Tilt	/	23.04	24.0	0.116	0.14	0.07
18900	1880.0	50RB0	Right Tilt	/	22.20	23.0	0.088	0.11	0.02

Table 13.8: SAR Values (LTE Band 2 - Body) - Ant.5

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									
18900	1880.0	1RB50	Front	/	20.94	22.0	0.472	0.60	-0.19
18900	1880.0	50RB0	Front	/	20.08	21.0	0.401	0.50	0.09
18900	1880.0	1RB50	Rear	/	20.94	22.0	0.526	0.67	0.04
18900	1880.0	50RB0	Rear	/	20.08	21.0	0.398	0.49	0.01
18900	1880.0	1RB50	Left	/	20.94	22.0	0.185	0.24	-0.05
18900	1880.0	50RB0	Left	/	20.08	21.0	0.138	0.17	0.05
18900	1880.0	1RB50	Right	/	20.94	22.0	0.092	0.12	-0.06
18900	1880.0	50RB0	Right	/	20.08	21.0	0.079	0.10	-0.17
18900	1880.0	1RB50	Bottom	/	20.94	22.0	0.750	0.96	0.13
18900	1880.0	50RB0	Bottom	/	20.08	21.0	0.609	0.75	0.12
19100	1900.0	1RB50	Bottom	/	20.92	22.0	0.675	0.87	0.02
18700	1860.0	1RB50	Bottom	8	20.92	22.0	0.787	1.01	0.02
18700	1860.0	100RB	Bottom	/	20.09	21.0	0.663	0.82	-0.08
Body-Worn Test Data (15mm) - Power Level C1									
18900	1880.0	1RB50	Front	/	23.04	24.0	0.462	0.58	0.04
18900	1880.0	50RB0	Front	/	22.20	23.0	0.377	0.45	0.12
18900	1880.0	1RB50	Rear	/	23.04	24.0	0.480	0.60	0.03
18900	1880.0	50RB0	Rear	/	22.20	23.0	0.385	0.46	0.05

Table 13.9: 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 A2									
18700	1860.0	1RB50	Left Cheek	/	23.33	24.0	0.560	0.65	-0.05
18700	1860.0	50RB25	Left Cheek	/	22.36	23.0	0.373	0.43	-0.13
18700	1860.0	1RB50	Left Tilt	/	23.33	24.0	0.475	0.55	0.03
18700	1860.0	50RB25	Left Tilt	/	22.36	23.0	0.356	0.41	0.14
18700	1860.0	1RB50	Right Cheek	/	23.33	24.0	0.642	0.75	-0.07
18700	1860.0	50RB25	Right Cheek	/	22.36	23.0	0.550	0.64	0.04
18700	1860.0	1RB50	Right Tilt	/	23.33	24.0	0.642	0.75	0.07
18700	1860.0	50RB25	Right Tilt	/	22.36	23.0	0.541	0.63	0.04

Table 13.10: 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	1RB50	Front	/	23.33	24.0	0.161	0.19	-0.01
18700	1860.0	50RB25	Front	/	22.36	23.0	0.131	0.15	-0.16
18700	1860.0	1RB50	Rear	/	23.33	24.0	0.269	0.31	0.11
18700	1860.0	50RB25	Rear	/	22.36	23.0	0.231	0.27	-0.15
18700	1860.0	1RB50	Left	/	23.33	24.0	0.069	0.08	-0.09
18700	1860.0	50RB25	Left	/	22.36	23.0	0.055	0.06	0.15
18700	1860.0	1RB50	Top	/	23.33	24.0	0.232	0.27	0.06
18700	1860.0	50RB25	Top	/	22.36	23.0	0.206	0.24	0.03
Body-Worn Test Data (15mm) - Power Level C2									
18700	1860.0	1RB50	Front	/	23.33	24.0	0.083	0.10	-0.10
18700	1860.0	50RB25	Front	/	22.36	23.0	0.065	0.08	0.08
18700	1860.0	1RB50	Rear	/	23.33	24.0	0.129	0.15	0.05
18700	1860.0	50RB25	Rear	/	22.36	23.0	0.108	0.13	-0.16

Table 13.11: SAR Values (LTE Band 5 - Head) - Ant.5

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	/	23.52	24.5	0.298	0.37	0.01
20450	829.0	25RB25	Left Cheek	/	22.48	23.5	0.216	0.27	0.03
20450	829.0	1RB49	Left Tilt	/	23.52	24.5	0.154	0.19	0.05
20450	829.0	25RB25	Left Tilt	/	22.48	23.5	0.116	0.15	0.07
20450	829.0	1RB49	Right Cheek	9	23.52	24.5	0.299	0.37	0.03
20450	829.0	25RB25	Right Cheek	/	22.48	23.5	0.214	0.27	0.12
20450	829.0	1RB49	Right Tilt	/	23.52	24.5	0.159	0.20	0.03
20450	829.0	25RB25	Right Tilt	/	22.48	23.5	0.118	0.15	0.04
The worst case with CA_5B									
20450	829.0	CA_5B	Right Cheek	/	23.48	24.5	0.280	0.35	0.09

Table 13.12: SAR Values (LTE Band 5 - Body) - Ant.5

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	/	23.52	24.5	0.303	0.38	-0.14
20450	829.0	25RB25	Front	/	22.48	23.5	0.239	0.30	-0.03
20450	829.0	1RB49	Rear	10	23.52	24.5	0.420	0.53	0.03
20450	829.0	25RB25	Rear	/	22.48	23.5	0.333	0.42	-0.11
20450	829.0	1RB49	Left	/	23.52	24.5	0.277	0.35	0.13
20450	829.0	25RB25	Left	/	22.48	23.5	0.217	0.27	-0.09
20450	829.0	1RB49	Right	/	23.52	24.5	0.292	0.37	-0.06
20450	829.0	25RB25	Right	/	22.48	23.5	0.226	0.29	0.14
20450	829.0	1RB49	Bottom	/	23.52	24.5	0.052	0.07	-0.12
20450	829.0	25RB25	Bottom	/	22.48	23.5	0.044	0.06	-0.19
Hotspot Test Data (10mm) - The worst case with CA_5B									
20450	829.0	CA_5B	Rear	/	23.48	24.5	0.408	0.52	-0.05
Body-Worn Test Data (15mm) - Power Level C1/C2									
20450	829.0	1RB49	Front	/	23.52	24.5	0.287	0.36	0.09
20450	829.0	25RB25	Front	/	22.48	23.5	0.223	0.28	-0.15
20450	829.0	1RB49	Rear	/	23.52	24.5	0.378	0.47	-0.02
20450	829.0	25RB25	Rear	/	22.48	23.5	0.298	0.38	-0.18
Body-Worn Test Data (15mm) - The worst case with CA_5B									
20450	829.0	CA_5B	Rear	/	23.48	24.5	0.353	0.45	-0.02

Table 13.13: SAR Values (LTE Band 5 - 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 A2									
20525	836.5	1RB24	Left Cheek	/	23.53	24.0	0.431	0.48	0.15
20525	836.5	25RB0	Left Cheek	/	22.47	23.0	0.300	0.34	-0.09
20525	836.5	1RB24	Left Tilt	/	23.53	24.0	0.403	0.45	-0.12
20525	836.5	25RB0	Left Tilt	/	22.47	23.0	0.269	0.30	0.06
20525	836.5	1RB24	Right Cheek	/	23.53	24.0	0.661	0.74	-0.06
20525	836.5	25RB0	Right Cheek	/	22.47	23.0	0.490	0.55	-0.02
20525	836.5	1RB24	Right Tilt	/	23.53	24.0	0.691	0.77	0.00
20525	836.5	25RB0	Right Tilt	/	22.47	23.0	0.542	0.61	0.02

Table 13.14: SAR Values (LTE Band 5 - 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									
20525	836.5	1RB24	Front	/	23.53	24.0	0.065	0.07	-0.12
20525	836.5	25RB0	Front	/	22.47	23.0	0.050	0.06	0.01
20525	836.5	1RB24	Rear	/	23.53	24.0	0.135	0.15	0.06
20525	836.5	25RB0	Rear	/	22.47	23.0	0.090	0.10	-0.12
20525	836.5	1RB24	Left	/	23.53	24.0	0.044	0.05	0.06
20525	836.5	25RB0	Left	/	22.47	23.0	0.039	0.04	0.17
20525	836.5	1RB24	Top	/	23.53	24.0	0.104	0.12	0.05
20525	836.5	25RB0	Top	/	22.47	23.0	0.068	0.08	-0.10
Body-Worn Test Data (15mm) - Power Level C2									
20525	836.5	1RB24	Front	/	23.53	24.0	0.032	0.04	0.05
20525	836.5	25RB0	Front	/	22.47	23.0	0.027	0.03	0.19
20525	836.5	1RB24	Rear	/	23.53	24.0	0.062	0.07	0.13
20525	836.5	25RB0	Rear	/	22.47	23.0	0.050	0.06	-0.02

Table 13.15: SAR Values (LTE Band 12 - Head) - Ant.5

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	11	23.52	24.5	0.279	0.35	0.10
23060	704.0	25RB25	Left Cheek	/	22.59	23.5	0.204	0.25	0.06
23060	704.0	1RB49	Left Tilt	/	23.52	24.5	0.134	0.17	0.04
23060	704.0	25RB25	Left Tilt	/	22.59	23.5	0.103	0.13	0.08
23060	704.0	1RB49	Right Cheek	/	23.52	24.5	0.246	0.31	0.01
23060	704.0	25RB25	Right Cheek	/	22.59	23.5	0.177	0.22	0.01
23060	704.0	1RB49	Right Tilt	/	23.52	24.5	0.124	0.16	0.07
23060	704.0	25RB25	Right Tilt	/	22.59	23.5	0.095	0.12	0.06

Table 13.16: SAR Values (LTE Band 12 - Body) - Ant.5

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	/	23.52	24.5	0.345	0.43	-0.11
23060	704.0	25RB25	Front	/	22.59	23.5	0.277	0.34	0.01
23060	704.0	1RB49	Rear	12	23.52	24.5	0.451	0.57	0.00
23060	704.0	25RB25	Rear	/	22.59	23.5	0.372	0.46	0.10
23060	704.0	1RB49	Left	/	23.52	24.5	0.389	0.49	0.11
23060	704.0	25RB25	Left	/	22.59	23.5	0.302	0.37	0.18
23060	704.0	1RB49	Right	/	23.52	24.5	0.381	0.48	0.00
23060	704.0	25RB25	Right	/	22.59	23.5	0.311	0.38	0.06
23060	704.0	1RB49	Bottom	/	23.52	24.5	0.044	0.06	0.03
23060	704.0	25RB25	Bottom	/	22.59	23.5	0.039	0.05	0.05
Body-Worn Test Data (15mm) - Power Level C1/C2									
23060	704.0	1RB49	Front	/	23.52	24.5	0.322	0.40	0.03
23060	704.0	25RB25	Front	/	22.59	23.5	0.260	0.32	0.12
23060	704.0	1RB49	Rear	/	23.52	24.5	0.426	0.53	0.03
23060	704.0	25RB25	Rear	/	22.59	23.5	0.361	0.45	0.04

Table 13.17: SAR Values (LTE Band 12 - 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 A2									
23060	704.0	1RB24	Left Cheek	/	23.42	24.5	0.229	0.29	-0.01
23060	704.0	25RB0	Left Cheek	/	22.37	23.5	0.183	0.24	-0.03
23060	704.0	1RB24	Left Tilt	/	23.42	24.5	0.199	0.26	0.04
23060	704.0	25RB0	Left Tilt	/	22.37	23.5	0.166	0.22	0.06
23060	704.0	1RB24	Right Cheek	/	23.42	24.5	0.464	0.60	-0.13
23060	704.0	25RB0	Right Cheek	/	22.37	23.5	0.345	0.45	-0.11
23060	704.0	1RB24	Right Tilt	/	23.42	24.5	0.397	0.51	0.04
23060	704.0	25RB0	Right Tilt	/	22.37	23.5	0.314	0.41	0.07

Table 13.18: SAR Values (LTE Band 12 - 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									
23060	704.0	1RB24	Front	/	23.42	24.5	0.046	0.06	-0.02
23060	704.0	25RB0	Front	/	22.37	23.5	0.035	0.05	0.07
23060	704.0	1RB24	Rear	/	23.42	24.5	0.092	0.12	0.07
23060	704.0	25RB0	Rear	/	22.37	23.5	0.068	0.09	0.16
23060	704.0	1RB24	Left	/	23.42	24.5	0.046	0.06	0.14
23060	704.0	25RB0	Left	/	22.37	23.5	0.034	0.04	0.10
23060	704.0	1RB24	Top	/	23.42	24.5	0.058	0.07	0.01
23060	704.0	25RB0	Top	/	22.37	23.5	0.050	0.06	-0.01
Body-Worn Test Data (15mm) - Power Level C2									
23060	704.0	1RB24	Front	/	23.42	24.5	0.051	0.07	-0.08
23060	704.0	25RB0	Front	/	22.37	23.5	0.044	0.06	0.01
23060	704.0	1RB24	Rear	/	23.42	24.5	0.072	0.09	0.12
23060	704.0	25RB0	Rear	/	22.37	23.5	0.059	0.08	0.15

Table 13.19: SAR Values (LTE Band 14 - Head) - Ant.5

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	1RB24	Left Cheek	/	23.54	24.5	0.285	0.36	0.02
23330	793.0	25RB0	Left Cheek	/	22.46	23.5	0.210	0.27	0.07
23330	793.0	1RB24	Left Tilt	/	23.54	24.5	0.143	0.18	0.16
23330	793.0	25RB0	Left Tilt	/	22.46	23.5	0.109	0.14	0.08
23330	793.0	1RB24	Right Cheek	13	23.54	24.5	0.293	0.37	0.01
23330	793.0	25RB0	Right Cheek	/	22.46	23.5	0.210	0.27	0.06
23330	793.0	1RB24	Right Tilt	/	23.54	24.5	0.144	0.18	0.03
23330	793.0	25RB0	Right Tilt	/	22.46	23.5	0.106	0.13	0.03

Table 13.20: SAR Values (LTE Band 14 - Body) - Ant.5

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	1RB24	Front	/	23.54	24.5	0.304	0.38	-0.04
23330	793.0	25RB0	Front	/	22.46	23.5	0.233	0.30	0.06
23330	793.0	1RB24	Rear	14	23.54	24.5	0.423	0.53	-0.17
23330	793.0	25RB0	Rear	/	22.46	23.5	0.315	0.40	-0.16
23330	793.0	1RB24	Left	/	23.54	24.5	0.316	0.39	0.07
23330	793.0	25RB0	Left	/	22.46	23.5	0.239	0.30	0.08
23330	793.0	1RB24	Right	/	23.54	24.5	0.348	0.43	0.14
23330	793.0	25RB0	Right	/	22.46	23.5	0.266	0.34	-0.18
23330	793.0	1RB24	Bottom	/	23.54	24.5	0.050	0.06	-0.02
23330	793.0	25RB0	Bottom	/	22.46	23.5	0.042	0.05	-0.01
Body-Worn Test Data (15mm) - Power Level C1/C2									
23330	793.0	1RB24	Front	/	23.54	24.5	0.285	0.36	0.03
23330	793.0	25RB0	Front	/	22.46	23.5	0.214	0.27	0.04
23330	793.0	1RB24	Rear	/	23.54	24.5	0.404	0.50	-0.03
23330	793.0	25RB0	Rear	/	22.46	23.5	0.301	0.38	0.12

Table 13.21: SAR Values (LTE Band 14 - 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 A2									
23330	793.0	1RB24	Left Cheek	/	21.46	22.0	0.370	0.42	0.00
23330	793.0	25RB12	Left Cheek	/	21.39	22.0	0.377	0.43	0.09
23330	793.0	1RB24	Left Tilt	/	21.46	22.0	0.372	0.42	0.06
23330	793.0	25RB12	Left Tilt	/	21.39	22.0	0.337	0.39	0.16
23330	793.0	1RB24	Right Cheek	/	21.46	22.0	0.607	0.69	0.16
23330	793.0	25RB12	Right Cheek	/	21.39	22.0	0.615	0.71	-0.02
23330	793.0	1RB24	Right Tilt	/	21.46	22.0	0.531	0.60	0.09
23330	793.0	25RB12	Right Tilt	/	21.39	22.0	0.596	0.69	0.05

Table 13.22: SAR Values (LTE Band 14 - 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									
23330	793.0	1RB24	Front	/	23.52	24.0	0.105	0.12	-0.13
23330	793.0	25RB12	Front	/	22.47	23.0	0.078	0.09	0.07
23330	793.0	1RB24	Rear	/	23.52	24.0	0.213	0.24	0.06
23330	793.0	25RB12	Rear	/	22.47	23.0	0.199	0.22	-0.06
23330	793.0	1RB24	Left	/	23.52	24.0	0.051	0.06	0.12
23330	793.0	25RB12	Left	/	22.47	23.0	0.044	0.05	0.14
23330	793.0	1RB24	Top	/	23.52	24.0	0.156	0.17	0.05
23330	793.0	25RB12	Top	/	22.47	23.0	0.094	0.11	-0.01
Body-Worn Test Data (15mm) - Power Level C2									
23330	793.0	1RB24	Front	/	23.52	24.0	0.053	0.06	-0.10
23330	793.0	25RB12	Front	/	22.47	23.0	0.044	0.05	-0.17
23330	793.0	1RB24	Rear	/	23.52	24.0	0.083	0.09	0.11
23330	793.0	25RB12	Rear	/	22.47	23.0	0.069	0.08	0.16

Table 13.23: SAR Values (LTE Band 30 - Head) - Ant.5

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									
27710	2310.0	1RB49	Left Cheek	/	22.72	24.0	0.071	0.09	0.01
27710	2310.0	25RB12	Left Cheek	/	21.66	23.0	0.052	0.07	0.03
27710	2310.0	1RB49	Left Tilt	/	22.72	24.0	0.081	0.11	0.06
27710	2310.0	25RB12	Left Tilt	/	21.66	23.0	0.063	0.09	0.12
27710	2310.0	1RB49	Right Cheek	15	22.72	24.0	0.107	0.14	0.03
27710	2310.0	25RB12	Right Cheek	/	21.66	23.0	0.088	0.12	0.12
27710	2310.0	1RB49	Right Tilt	/	22.72	24.0	0.082	0.11	0.04
27710	2310.0	25RB12	Right Tilt	/	21.66	23.0	0.072	0.10	0.04

Table 13.24: SAR Values (LTE Band 30 - Body) - Ant.5

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									
27710	2310.0	1RB49	Front	/	18.49	20.0	0.513	0.73	-0.09
27710	2310.0	25RB12	Front	/	17.44	19.0	0.395	0.57	0.16
27710	2310.0	1RB49	Rear	/	18.49	20.0	0.638	0.90	0.05
27710	2310.0	25RB12	Rear	/	17.44	19.0	0.454	0.65	0.02
27710	2310.0	1RB49	Left	/	18.49	20.0	0.058	0.08	0.15
27710	2310.0	25RB12	Left	/	17.44	19.0	0.047	0.07	0.12
27710	2310.0	1RB49	Right	/	18.49	20.0	0.085	0.12	-0.17
27710	2310.0	25RB12	Right	/	17.44	19.0	0.067	0.10	0.18
27710	2310.0	1RB49	Bottom	16	18.49	20.0	0.915	1.30	0.16
27710	2310.0	25RB12	Bottom	/	17.44	19.0	0.739	1.06	0.10
27710	2310.0	50RB	Rear	/	17.48	19.0	0.615	0.87	0.02
27710	2310.0	50RB	Bottom	/	17.48	19.0	0.820	1.16	0.12
Body-Worn Test Data (15mm) - Power Level C1									
27710	2310.0	1RB49	Front	/	19.62	21.0	0.330	0.45	-0.16
27710	2310.0	25RB12	Front	/	18.56	20.0	0.249	0.35	-0.17
27710	2310.0	1RB49	Rear	/	19.62	21.0	0.408	0.56	0.04
27710	2310.0	25RB12	Rear	/	18.56	20.0	0.352	0.49	0.05

Table 13.25: 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 A2									
27710	2310.0	1RB24	Left Cheek	/	16.12	17.0	0.288	0.35	-0.03
27710	2310.0	25RB12	Left Cheek	/	16.09	17.0	0.263	0.32	-0.12
27710	2310.0	1RB24	Left Tilt	/	16.12	17.0	0.329	0.40	-0.15
27710	2310.0	25RB12	Left Tilt	/	16.09	17.0	0.305	0.38	-0.04
27710	2310.0	1RB24	Right Cheek	/	16.12	17.0	0.509	0.62	0.18
27710	2310.0	25RB12	Right Cheek	/	16.09	17.0	0.495	0.61	0.03
27710	2310.0	1RB24	Right Tilt	/	16.12	17.0	0.578	0.71	-0.01
27710	2310.0	25RB12	Right Tilt	/	16.09	17.0	0.544	0.67	0.05

Table 13.26: 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 B2									
27710	2310.0	1RB24	Front	/	19.26	20.0	0.191	0.23	-0.01
27710	2310.0	25RB12	Front	/	19.24	20.0	0.183	0.22	-0.13
27710	2310.0	1RB24	Rear	/	19.26	20.0	0.527	0.62	-0.02
27710	2310.0	25RB12	Rear	/	19.24	20.0	0.515	0.61	-0.19
27710	2310.0	1RB24	Left	/	19.26	20.0	0.063	0.07	-0.15
27710	2310.0	25RB12	Left	/	19.24	20.0	0.057	0.07	-0.16
27710	2310.0	1RB24	Top	/	19.26	20.0	0.471	0.56	0.04
27710	2310.0	25RB12	Top	/	19.24	20.0	0.470	0.56	0.17
Body-Worn Test Data (15mm) - Power Level C2									
27710	2310.0	1RB24	Front	/	19.26	20.0	0.123	0.15	-0.04
27710	2310.0	25RB12	Front	/	19.24	20.0	0.112	0.13	0.08
27710	2310.0	1RB24	Rear	/	19.26	20.0	0.269	0.32	-0.06
27710	2310.0	25RB12	Rear	/	19.24	20.0	0.251	0.30	-0.16

Table 13.27: 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									
55340	3560.0	1RB50	Left Cheek	/	18.23	19.0	0.259	0.31	0.16
55340	3560.0	50RB0	Left Cheek	/	17.26	18.0	0.203	0.24	-0.05
55340	3560.0	1RB50	Left Tilt	/	18.23	19.0	0.249	0.30	-0.11
55340	3560.0	50RB0	Left Tilt	/	17.26	18.0	0.197	0.23	0.15
55340	3560.0	1RB50	Right Cheek	17	18.23	19.0	0.604	0.72	-0.09
55340	3560.0	50RB0	Right Cheek	/	17.26	18.0	0.497	0.59	0.18
55340	3560.0	1RB50	Right Tilt	/	18.23	19.0	0.471	0.56	-0.07
55340	3560.0	50RB0	Right Tilt	/	17.26	18.0	0.372	0.44	-0.07

Table 13.28: 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									
55340	3560.0	1RB50	Front	/	22.93	24.0	0.452	0.58	0.03
55340	3560.0	50RB0	Front	/	21.94	23.0	0.369	0.47	-0.18
55340	3560.0	1RB50	Rear	/	22.93	24.0	0.904	1.16	-0.04
55340	3560.0	50RB0	Rear	/	21.94	23.0	0.706	0.90	-0.07
55340	3560.0	1RB50	Left	/	22.93	24.0	0.445	0.57	0.04
55340	3560.0	50RB0	Left	/	21.94	23.0	0.349	0.45	0.07
55340	3560.0	1RB50	Top	/	22.93	24.0	0.537	0.69	-0.10
55340	3560.0	50RB0	Top	/	21.94	23.0	0.429	0.55	-0.13
56640	3690.0	1RB50	Rear	/	22.43	24.0	0.846	1.21	0.03
56207	3646.7	1RB50	Rear	/	22.61	24.0	0.888	1.22	0.03
55773	3603.3	1RB50	Rear	18	22.63	24.0	0.906	1.24	0.07
56640	3690.0	50RB0	Rear	/	22.44	23.0	0.724	0.82	0.07
56207	3646.7	50RB0	Rear	/	21.40	23.0	0.748	1.08	-0.09
55773	3603.3	50RB0	Rear	/	21.68	23.0	0.763	1.03	0.05
55340	3560.0	100RB	Rear	/	21.85	23.0	0.738	0.96	0.07
Body-Worn Test Data (15mm) - Power Level C1									
55340	3560.0	1RB50	Front	/	21.05	22.0	0.143	0.18	-0.02
55340	3560.0	50RB0	Front	/	20.13	21.0	0.110	0.13	0.10
55340	3560.0	1RB50	Rear	/	21.05	22.0	0.227	0.28	-0.04
55340	3560.0	50RB0	Rear	/	20.13	21.0	0.179	0.22	0.12

Table 13.29: SAR Values (LTE Band 66 - Head) - Ant.5

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									
132322	1745.0	1RB50	Left Cheek	/	23.11	24.0	0.122	0.15	0.03
132322	1745.0	50RB0	Left Cheek	/	22.14	23.0	0.085	0.10	0.07
132322	1745.0	1RB50	Left Tilt	/	23.11	24.0	0.138	0.17	0.05
132322	1745.0	50RB0	Left Tilt	/	22.14	23.0	0.108	0.13	0.06
132322	1745.0	1RB50	Right Cheek	19	23.11	24.0	0.190	0.23	0.04
132322	1745.0	50RB0	Right Cheek	/	22.14	23.0	0.133	0.16	0.10
132322	1745.0	1RB50	Right Tilt	/	23.11	24.0	0.092	0.11	0.01
132322	1745.0	50RB0	Right Tilt	/	22.14	23.0	0.073	0.09	0.01

Table 13.30: SAR Values (LTE Band 66 - Body) - Ant.5

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									
132322	1745.0	1RB50	Front	/	19.93	21.0	0.330	0.42	0.06
132322	1745.0	50RB0	Front	/	18.96	20.0	0.259	0.33	0.14
132322	1745.0	1RB50	Rear	/	19.93	21.0	0.453	0.58	0.13
132322	1745.0	50RB0	Rear	/	18.96	20.0	0.348	0.44	0.05
132322	1745.0	1RB50	Left	/	19.93	21.0	0.082	0.10	-0.19
132322	1745.0	50RB0	Left	/	18.96	20.0	0.063	0.08	-0.02
132322	1745.0	1RB50	Right	/	19.93	21.0	0.091	0.12	0.02
132322	1745.0	50RB0	Right	/	18.96	20.0	0.076	0.10	-0.03
132322	1745.0	1RB50	Bottom	/	19.93	21.0	0.713	0.91	0.12
132322	1745.0	50RB0	Bottom	/	18.96	20.0	0.608	0.77	0.17
132572	1770.0	1RB50	Bottom	20	19.91	21.0	0.727	0.93	0.12
132072	1720.0	1RB50	Bottom	/	19.90	21.0	0.663	0.85	0.01
132072	1720.0	100RB	Bottom	/	18.88	20.0	0.618	0.80	-0.08
Body-Worn Test Data (15mm) - Power Level C1									
132322	1745.0	1RB50	Front	/	23.11	24.0	0.448	0.55	0.03
132322	1745.0	50RB0	Front	/	22.14	23.0	0.349	0.43	0.12
132322	1745.0	1RB50	Rear	/	23.11	24.0	0.547	0.67	0.12
132322	1745.0	50RB0	Rear	/	22.14	23.0	0.444	0.54	0.03

Note: SAR for LTE Band 4 is covered by LTE Band 66 due to similar frequency range, same maximum tune-up limit and same channel bandwidth.

Table 13.31: 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 A2									
132322	1745.0	1RB50	Left Cheek	/	23.28	24.0	0.296	0.35	0.03
132322	1745.0	50RB25	Left Cheek	/	22.29	23.0	0.252	0.30	0.15
132322	1745.0	1RB50	Left Tilt	/	23.28	24.0	0.299	0.35	0.13
132322	1745.0	50RB25	Left Tilt	/	22.29	23.0	0.235	0.28	0.02
132322	1745.0	1RB50	Right Cheek	/	23.28	24.0	0.383	0.45	0.05
132322	1745.0	50RB25	Right Cheek	/	22.29	23.0	0.312	0.37	0.03
132322	1745.0	1RB50	Right Tilt	/	23.28	24.0	0.398	0.47	0.13
132322	1745.0	50RB25	Right Tilt	/	22.29	23.0	0.320	0.38	0.05

Table 13.32: 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									
132322	1745.0	1RB50	Front	/	23.28	24.0	0.098	0.12	0.02
132322	1745.0	50RB25	Front	/	22.29	23.0	0.080	0.09	-0.16
132322	1745.0	1RB50	Rear	/	23.28	24.0	0.152	0.18	-0.14
132322	1745.0	50RB25	Rear	/	22.29	23.0	0.125	0.15	-0.07
132322	1745.0	1RB50	Left	/	23.28	24.0	0.042	0.05	-0.16
132322	1745.0	50RB25	Left	/	22.29	23.0	0.034	0.04	-0.01
132322	1745.0	1RB50	Top	/	23.28	24.0	0.144	0.17	0.17
132322	1745.0	50RB25	Top	/	22.29	23.0	0.113	0.13	-0.11
Body-Worn Test Data (15mm) - Power Level C2									
132322	1745.0	1RB50	Front	/	23.28	24.0	0.036	0.04	0.09
132322	1745.0	50RB25	Front	/	22.29	23.0	0.020	0.02	-0.01
132322	1745.0	1RB50	Rear	/	23.28	24.0	0.061	0.07	-0.14
132322	1745.0	50RB25	Rear	/	22.29	23.0	0.050	0.06	-0.10

13.3. Test Results for SUB 6G

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

Table 13.33: SAR Values (NR n2 - 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 A2									
376000	1880.0	12@6	Left Cheek	/	23.05	24.0	0.195	0.24	0.09
376000	1880.0	12@6	Left Tilt	/	23.05	24.0	0.131	0.16	0.08
376000	1880.0	12@6	Right Cheek	21	23.05	24.0	0.207	0.26	0.01
376000	1880.0	12@6	Right Tilt	/	23.05	24.0	0.100	0.12	0.12

Table 13.34: SAR Values (NR n2 - 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 B2									
376000	1880.0	12@6	Front	/	19.78	21.0	0.359	0.48	0.05
376000	1880.0	12@6	Rear	/	19.78	21.0	0.438	0.58	0.03
376000	1880.0	12@6	Left	/	19.78	21.0	0.149	0.20	0.13
376000	1880.0	12@6	Right	/	19.78	21.0	0.067	0.09	-0.16
376000	1880.0	12@6	Bottom	22	19.78	21.0	0.541	0.72	-0.09
Body-Worn Test Data (15mm) - Power Level C2									
376000	1880.0	12@6	Front	/	21.82	23.0	0.310	0.41	0.01
376000	1880.0	12@6	Rear	/	21.82	23.0	0.330	0.43	0.13

Table 13.35: SAR Values (NR n5 - 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 A2									
167300	836.5	50@25	Left Cheek	23	23.18	24.0	0.280	0.34	0.04
167300	836.5	50@25	Left Tilt	/	23.18	24.0	0.140	0.17	0.11
167300	836.5	50@25	Right Cheek	/	23.18	24.0	0.265	0.32	0.01
167300	836.5	50@25	Right Tilt	/	23.18	24.0	0.140	0.17	0.04

Table 13.36: SAR Values (NR n5 - 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 B2									
167300	836.5	50@25	Front	/	23.18	24.0	0.255	0.31	-0.05
167300	836.5	50@25	Rear	24	23.18	24.0	0.352	0.43	-0.05
167300	836.5	50@25	Left	/	23.18	24.0	0.244	0.29	-0.02
167300	836.5	50@25	Right	/	23.18	24.0	0.244	0.29	0.16
167300	836.5	50@25	Bottom	/	23.18	24.0	0.050	0.06	-0.08
Body-Worn Test Data (15mm) - Power Level C2									
167300	836.5	50@25	Front	/	23.18	24.0	0.245	0.30	-0.06
167300	836.5	50@25	Rear	/	23.18	24.0	0.319	0.39	0.05

Table 13.37: SAR Values (NR n30 - 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 A2									
462000	2310.0	12@6	Left Cheek	/	22.53	24.0	0.069	0.10	0.09
462000	2310.0	12@6	Left Tilt	/	22.53	24.0	0.068	0.10	0.08
462000	2310.0	12@6	Right Cheek	25	22.53	24.0	0.090	0.13	0.04
462000	2310.0	12@6	Right Tilt	/	22.53	24.0	0.083	0.12	0.07

Table 13.38: SAR Values (NR n30 - 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 B2									
462000	2310.0	12@6	Front	/	16.17	17.5	0.345	0.47	0.13
462000	2310.0	12@6	Rear	/	16.17	17.5	0.402	0.55	-0.01
462000	2310.0	12@6	Left	/	16.17	17.5	0.031	0.04	-0.14
462000	2310.0	12@6	Right	/	16.17	17.5	0.053	0.07	0.17
462000	2310.0	12@6	Bottom	26	16.17	17.5	0.528	0.72	-0.11
Body-Worn Test Data (15mm) - Power Level C2									
462000	2310.0	12@6	Front	/	17.66	19.0	0.225	0.31	0.10
462000	2310.0	12@6	Rear	/	17.66	19.0	0.295	0.40	-0.12

Table 13.39: SAR Values (NR n66 - 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 A2									
349000	1745.0	108@54	Left Cheek	/	22.61	24.0	0.108	0.15	0.08
349000	1745.0	108@54	Left Tilt	/	22.61	24.0	0.105	0.14	-0.15
349000	1745.0	108@54	Right Cheek	27	22.61	24.0	0.157	0.22	0.09
349000	1745.0	108@54	Right Tilt	/	22.61	24.0	0.070	0.10	0.03

Table 13.40: SAR Values (NR n66 - 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 B2									
349000	1745.0	108@54	Front	/	18.42	20.0	0.281	0.40	0.18
349000	1745.0	108@54	Rear	/	18.42	20.0	0.350	0.50	0.01
349000	1745.0	108@54	Left	/	18.42	20.0	0.058	0.08	0.06
349000	1745.0	108@54	Right	/	18.42	20.0	0.062	0.09	-0.17
349000	1745.0	108@54	Bottom	28	18.42	20.0	0.484	0.70	-0.03
Body-Worn Test Data (15mm) - Power Level C2									
349000	1745.0	108@54	Front	/	19.38	21.0	0.185	0.27	-0.04
349000	1745.0	108@54	Rear	/	19.38	21.0	0.222	0.32	-0.13

Table 13.41: SAR Values (NR n77 PC2 Part 27Q - 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									
633334	3500.0	135@67	Left Cheek	/	13.82	15.0	0.141	0.19	-0.11
633334	3500.0	135@67	Left Tilt	/	13.82	15.0	0.137	0.18	0.04
633334	3500.0	135@67	Right Cheek	/	13.82	15.0	0.323	0.42	0.02
633334	3500.0	135@67	Right Tilt	/	13.82	15.0	0.293	0.38	0.04

Table 13.42: SAR Values (NR n77 PC2 Part 27Q - Head) - Ant.4

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									
633334	3500.0	135@67	Left Cheek	/	18.95	20.0	0.340	0.43	0.04
633334	3500.0	135@67	Left Tilt	/	18.95	20.0	0.192	0.24	0.15
633334	3500.0	135@67	Right Cheek	/	18.95	20.0	0.215	0.27	0.06
633334	3500.0	135@67	Right Tilt	/	18.95	20.0	0.219	0.28	0.03

Table 13.43: SAR Values (NR n77 PC2 Part 27Q - Head) - Ant.3

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									
633334	3500.0	135@67	Left Cheek	29	21.45	22.5	0.346	0.44	0.03
633334	3500.0	135@67	Left Tilt	/	21.45	22.5	0.161	0.21	0.09
633334	3500.0	135@67	Right Cheek	/	21.45	22.5	0.040	0.05	0.16
633334	3500.0	135@67	Right Tilt	/	21.45	22.5	0.040	0.05	0.09

Table 13.44: SAR Values (NR n77 PC2 Part 27Q - Head) - Ant.2

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									
633334	3500.0	135@67	Left Cheek	/	20.26	21.5	0.319	0.42	-0.01
633334	3500.0	135@67	Left Tilt	/	20.26	21.5	0.065	0.09	-0.07
633334	3500.0	135@67	Right Cheek	/	20.26	21.5	0.331	0.44	0.14
633334	3500.0	135@67	Right Tilt	/	20.26	21.5	0.129	0.17	0.08

Table 13.45: SAR Values (NR n77 PC2 Part 27Q - 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									
633334	3500.0	135@67	Front	/	17.99	19.0	0.244	0.31	0.02
633334	3500.0	135@67	Rear	/	17.99	19.0	0.550	0.69	0.07
633334	3500.0	135@67	Left	/	17.99	19.0	0.225	0.28	0.08
633334	3500.0	135@67	Top	/	17.99	19.0	0.339	0.43	0.02
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.0	135@67	Front	/	17.99	19.0	0.136	0.17	0.16
633334	3500.0	135@67	Rear	/	17.99	19.0	0.247	0.31	-0.16

Table 13.46: SAR Values (NR n77 PC2 Part 27Q - Body) - Ant.4

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									
633334	3500.0	135@67	Front	/	18.52	19.5	0.322	0.40	-0.14
633334	3500.0	135@67	Rear	/	18.52	19.5	0.510	0.64	0.05
633334	3500.0	135@67	Left	30	18.52	19.5	0.561	0.70	0.19
633334	3500.0	135@67	Bottom	/	18.52	19.5	0.149	0.19	0.04
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.0	135@67	Front	/	19.86	21.0	0.259	0.34	0.14
633334	3500.0	135@67	Rear	/	19.86	21.0	0.339	0.44	0.10

Table 13.47: SAR Values (NR n77 PC2 Part 27Q - Body) - Ant.3

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									
633334	3500.0	135@67	Front	/	24.47	25.5	0.129	0.16	-0.09
633334	3500.0	135@67	Rear	/	24.47	25.5	0.441	0.56	0.05
633334	3500.0	135@67	Right	/	24.47	25.5	0.422	0.53	-0.15
633334	3500.0	135@67	Top	/	24.47	25.5	0.143	0.18	0.09
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.0	135@67	Front	/	25.01	26.0	0.096	0.12	0.01
633334	3500.0	135@67	Rear	/	25.01	26.0	0.332	0.42	0.11

Table 13.48: SAR Values (NR n77 PC2 Part 27Q - Body) - Ant.2

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									
633334	3500.0	135@67	Front	/	16.22	17.5	0.068	0.09	-0.18
633334	3500.0	135@67	Rear	/	16.22	17.5	0.469	0.63	0.16
633334	3500.0	135@67	Left	/	16.22	17.5	0.314	0.42	0.13
633334	3500.0	135@67	Top	/	16.22	17.5	0.034	0.05	0.18
Body-Worn Test Data (15mm) - Power Level C2									
633334	3500.0	135@67	Front	/	18.23	19.5	0.062	0.08	-0.03
633334	3500.0	135@67	Rear	/	18.23	19.5	0.279	0.37	0.07

Table 13.49: SAR Values (NR n77 PC2 Part 27O - 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									
656000	3840.0	135@67	Left Cheek	/	14.14	15.0	0.192	0.23	-0.12
656000	3840.0	135@67	Left Tilt	/	14.14	15.0	0.162	0.20	-0.02
656000	3840.0	135@67	Right Cheek	31	14.14	15.0	0.405	0.49	-0.08
656000	3840.0	135@67	Right Tilt	/	14.14	15.0	0.302	0.37	0.06

Table 13.50: SAR Values (NR n77 PC2 Part 27O - Head) - Ant.4

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									
656000	3840.0	135@67	Left Cheek	/	23.36	25.0	0.071	0.10	0.09
656000	3840.0	135@67	Left Tilt	/	23.36	25.0	0.005	0.01	0.04
656000	3840.0	135@67	Right Cheek	/	23.36	25.0	0.039	0.06	0.12
656000	3840.0	135@67	Right Tilt	/	23.36	25.0	0.023	0.03	0.03

Table 13.51: SAR Values (NR n77 PC2 Part 27O - Head) - Ant.3

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									
665001	3975.0	12@6	Left Cheek	/	17.92	18.5	0.359	0.41	0.03
665001	3975.0	12@6	Left Tilt	/	17.92	18.5	0.133	0.15	0.14
665001	3975.0	12@6	Right Cheek	/	17.92	18.5	0.089	0.10	-0.04
665001	3975.0	12@6	Right Tilt	/	17.92	18.5	0.084	0.10	0.17

Table 13.52: SAR Values (NR n77 PC2 Part 27O - Head) - Ant.2

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									
656000	3840.0	135@67	Left Cheek	/	19.76	20.5	0.276	0.33	-0.19
656000	3840.0	135@67	Left Tilt	/	19.76	20.5	0.057	0.07	0.00
656000	3840.0	135@67	Right Cheek	/	19.76	20.5	0.355	0.42	-0.05
656000	3840.0	135@67	Right Tilt	/	19.76	20.5	0.072	0.09	-0.15

Table 13.53: SAR Values (NR n77 PC2 Part 27O - 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									
656000	3840.0	135@67	Front	/	19.13	20.0	0.271	0.33	0.03
656000	3840.0	135@67	Rear	/	19.13	20.0	0.483	0.59	0.10
656000	3840.0	135@67	Left	/	19.13	20.0	0.297	0.36	-0.18
656000	3840.0	135@67	Top	/	19.13	20.0	0.291	0.36	0.06
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	135@67	Front	/	19.13	20.0	0.137	0.17	0.06
656000	3840.0	135@67	Rear	/	19.13	20.0	0.228	0.28	-0.02

Table 13.54: SAR Values (NR n77 PC2 Part 27O - Body) - Ant.4

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									
656000	3840.0	135@67	Front	/	23.36	25.0	0.138	0.20	0.03
656000	3840.0	135@67	Rear	/	23.36	25.0	0.331	0.48	0.12
656000	3840.0	135@67	Left	/	23.36	25.0	0.164	0.24	0.04
656000	3840.0	135@67	Bottom	/	23.36	25.0	0.121	0.18	0.12
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	135@67	Front	/	23.36	25.0	0.112	0.16	0.03
656000	3840.0	135@67	Rear	/	23.36	25.0	0.155	0.23	0.06

Table 13.55: SAR Values (NR n77 PC2 Part 27O - Body) - Ant.3

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									
665001	3975.0	12@6	Front	/	20.43	21.0	0.155	0.18	0.10
665001	3975.0	12@6	Rear	/	20.43	21.0	0.481	0.55	0.07
665001	3975.0	12@6	Right	32	20.43	21.0	0.594	0.68	0.03
665001	3975.0	12@6	Top	/	20.43	21.0	0.085	0.10	0.02
Body-Worn Test Data (15mm) - Power Level C2									
665001	3975.0	12@6	Front	/	22.12	23.0	0.129	0.16	0.09
665001	3975.0	12@6	Rear	/	22.12	23.0	0.353	0.43	-0.05

Table 13.56: SAR Values (NR n77 PC2 Part 27O - Body) - Ant.2

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									
656000	3840.0	135@67	Front	/	17.71	18.5	0.063	0.08	-0.09
656000	3840.0	135@67	Rear	/	17.71	18.5	0.493	0.59	0.07
656000	3840.0	135@67	Left	/	17.71	18.5	0.292	0.35	-0.09
656000	3840.0	135@67	Top	/	17.71	18.5	0.032	0.04	-0.10
Body-Worn Test Data (15mm) - Power Level C2									
656000	3840.0	135@67	Front	/	19.76	20.5	0.056	0.07	-0.08
656000	3840.0	135@67	Rear	/	19.76	20.5	0.355	0.42	0.04

13.4. Test Results for Bluetooth

Table 13.57: 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								
0	2402.0	GFSK	Left Cheek	/	10.08	10.5	0.165	0.18	0.09
0	2402.0	GFSK	Left Tilt	33	10.08	10.5	0.308	0.34	0.02
0	2402.0	GFSK	Right Cheek	/	10.08	10.5	0.059	0.06	-0.11
0	2402.0	GFSK	Right Tilt	/	10.08	10.5	0.073	0.08	0.02

Table 13.58: 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)									
0	2402.0	GFSK	Front	/	10.08	10.5	0.028	0.03	0.03
0	2402.0	GFSK	Rear	/	10.08	10.5	0.043	0.05	0.04
0	2402.0	GFSK	Right	/	10.08	10.5	0.027	0.03	0.04
0	2402.0	GFSK	Top	34	10.08	10.5	0.052	0.06	0.03
Test Data (15mm)									
0	2402.0	GFSK	Front	/	10.08	10.5	0.002	0.00	0.03
0	2402.0	GFSK	Rear	/	10.08	10.5	0.022	0.02	0.05

13.5. WLAN Evaluation for 2.4GHz

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

Table 13.59: SAR Values (WLAN 2.4GHz - 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 D1									
6	2437.0	802.11b	Left Cheek	/	12.13	13.0	0.849	1.04	-0.07
6	2437.0	802.11b	Left Tilt	35	12.13	13.0	0.911	1.11	0.04
6	2437.0	802.11b	Right Cheek	/	12.13	13.0	0.426	0.52	-0.11
6	2437.0	802.11b	Right Tilt	/	12.13	13.0	0.441	0.54	0.06
1	2437.0	802.11b	Left Cheek	/	12.01	13.0	0.776	0.97	0.05
1	2437.0	802.11b	Left Tilt	/	12.01	13.0	0.808	1.01	0.02
Power Level D2									
6	2437.0	802.11b	Left Cheek	/	7.13	8.0	0.315	0.38	-0.14
6	2437.0	802.11b	Left Tilt	/	7.13	8.0	0.338	0.41	0.10
6	2437.0	802.11b	Right Cheek	/	7.13	8.0	0.158	0.19	0.04
6	2437.0	802.11b	Right Tilt	/	7.13	8.0	0.164	0.20	-0.01

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.

Table 13.60: SAR Values (WLAN 2.4GHz - 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 E1									
6	2437.0	802.11b	Front	/	15.54	16.5	0.439	0.55	-0.05
6	2437.0	802.11b	Rear	/	15.54	16.5	0.593	0.74	0.05
6	2437.0	802.11b	Right	/	15.54	16.5	0.123	0.15	-0.16
6	2437.0	802.11b	Top	36	15.54	16.5	0.827	1.03	0.06
1	2437.0	802.11b	Top	/	15.42	16.5	0.657	0.84	-0.03
Hotspot Test Data (10mm) - Power Level E2									
6	2437.0	802.11b	Front	/	10.60	11.5	0.123	0.15	0.04
6	2437.0	802.11b	Rear	/	10.60	11.5	0.166	0.20	0.09
6	2437.0	802.11b	Right	/	10.60	11.5	0.035	0.04	0.19
6	2437.0	802.11b	Top	/	10.60	11.5	0.263	0.32	0.03
Body-Worn Test Data (10mm) - Power Level F1									
6	2437.0	802.11b	Front	/	18.00	18.5	0.261	0.29	0.12
6	2437.0	802.11b	Rear	/	18.00	18.5	0.405	0.45	0.16
Body-Worn Test Data (10mm) - Power Level F2									
6	2437.0	802.11b	Front	/	15.54	16.5	0.190	0.24	0.03
6	2437.0	802.11b	Rear	/	15.54	16.5	0.294	0.37	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.

Table 13.61: SAR Values – WLAN 2.4GHz (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						
6	2437.0	Head	Left Tilt	100%	100%	1.11	1.11
6	2437.0	Body	Top	100%	100%	1.03	1.03

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

13.6. WLAN Evaluation for 5GHz

Table 13.62: SAR Values (WLAN 5GHz - 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								
<U-NII-2A> - Power Level D1									
54	5270.0	11n-HT40	Left Cheek	/	17.39	18.5	0.682	0.88	0.07
54	5270.0	11n-HT40	Left Tilt	/	17.39	18.5	0.902	1.16	0.04
54	5270.0	11n-HT40	Right Cheek	/	17.39	18.5	0.542	0.70	0.03
54	5270.0	11n-HT40	Right Tilt	/	17.39	18.5	0.661	0.85	0.12
<U-NII-2C> - Power Level D1									
138	5690.0	802.11ac-80	Left Cheek	/	15.48	17.0	0.695	0.99	0.09
138	5690.0	802.11ac-80	Left Tilt	37	15.48	17.0	0.948	1.35	-0.04
138	5690.0	802.11ac-80	Right Cheek	/	15.48	17.0	0.641	0.91	-0.05
138	5690.0	802.11ac-80	Right Tilt	/	15.48	17.0	0.756	1.07	0.16
122	5610.0	802.11ac-80	Left Cheek	/	15.35	17.0	0.664	0.97	-0.03
122	5610.0	802.11ac-80	Left Tilt	/	15.35	17.0	0.909	1.33	0.00
122	5610.0	802.11ac-80	Right Cheek	/	15.35	17.0	0.608	0.89	0.06
122	5610.0	802.11ac-80	Right Tilt	/	15.35	17.0	0.649	0.95	0.16
<U-NII-3> - Power Level D1									
155	5775.0	802.11ac-80	Left Cheek	/	15.57	16.5	0.761	0.94	0.08
155	5775.0	802.11ac-80	Left Tilt	/	15.57	16.5	0.921	1.14	0.00
155	5775.0	802.11ac-80	Right Cheek	/	15.57	16.5	0.693	0.86	-0.13
155	5775.0	802.11ac-80	Right Tilt	/	15.57	16.5	0.923	1.14	-0.11
<U-NII-2A> - Power Level D2									
58	5290.0	802.11ac-80	Left Cheek	/	11.56	13.5	0.151	0.24	0.14
58	5290.0	802.11ac-80	Left Tilt	/	11.56	13.5	0.199	0.31	0.00
58	5290.0	802.11ac-80	Right Cheek	/	11.56	13.5	0.120	0.19	0.14
58	5290.0	802.11ac-80	Right Tilt	/	11.56	13.5	0.146	0.23	0.10
<U-NII-2C> - Power Level D2									
138	5690.0	802.11ac-80	Left Cheek	/	9.78	11.5	0.171	0.25	-0.02
138	5690.0	802.11ac-80	Left Tilt	/	9.78	11.5	0.217	0.32	0.06
138	5690.0	802.11ac-80	Right Cheek	/	9.78	11.5	0.158	0.23	0.19
138	5690.0	802.11ac-80	Right Tilt	/	9.78	11.5	0.186	0.28	-0.16
<U-NII-3> - Power Level D2									
155	5775.0	802.11ac-80	Left Cheek	/	10.99	12.5	0.228	0.32	-0.14
155	5775.0	802.11ac-80	Left Tilt	/	10.99	12.5	0.276	0.39	0.05
155	5775.0	802.11ac-80	Right Cheek	/	10.99	12.5	0.208	0.29	-0.05
155	5775.0	802.11ac-80	Right Tilt	/	10.99	12.5	0.250	0.35	0.05

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 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.

Table 13.63: SAR Values (WLAN 5GHz - 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								
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E1									
46	5230.0	11n-HT40	Front	/	17.36	18.5	0.141	0.18	0.03
46	5230.0	11n-HT40	Rear	/	17.36	18.5	0.813	1.06	0.05
46	5230.0	11n-HT40	Right	/	17.36	18.5	0.060	0.08	0.07
46	5230.0	11n-HT40	Top	/	17.36	18.5	0.708	0.92	0.05
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E1									
159	5795.0	802.11n-40	Front	/	16.13	17.5	0.227	0.31	-0.18
159	5795.0	802.11n-40	Rear	/	16.13	17.5	0.901	1.24	0.09
159	5795.0	802.11n-40	Right	/	16.13	17.5	0.256	0.35	0.18
159	5795.0	802.11n-40	Top	/	16.13	17.5	0.891	1.22	0.03
151	5755.0	802.11n-40	Rear	38	16.07	17.5	0.925	1.29	0.09
151	5755.0	802.11n-40	Top	/	16.07	17.5	0.887	1.23	0.11
<U-NII-1> - Hotspot Test Data (10mm) - Power Level E2									
42	5210.0	802.11ac-80	Front	/	12.41	14.0	0.028	0.04	-0.07
42	5210.0	802.11ac-80	Rear	/	12.41	14.0	0.155	0.22	0.09
42	5210.0	802.11ac-80	Right	/	12.41	14.0	0.012	0.02	-0.05
42	5210.0	802.11ac-80	Top	/	12.41	14.0	0.139	0.20	0.09
<U-NII-3> - Hotspot Test Data (10mm) - Power Level E2									
155	5775.0	802.11ac-80	Front	/	10.99	12.5	0.031	0.04	-0.15
155	5775.0	802.11ac-80	Rear	/	10.99	12.5	0.122	0.17	0.09
155	5775.0	802.11ac-80	Right	/	10.99	12.5	0.035	0.05	0.05
155	5775.0	802.11ac-80	Top	/	10.99	12.5	0.120	0.17	0.18
< U-NII-2A> - Body-Worn Test Data (15mm) - Power Level F1/F2									
54	5270.0	11n-HT40	Front	/	17.39	18.5	0.099	0.13	0.04
54	5270.0	11n-HT40	Rear	/	17.39	18.5	0.517	0.67	0.02
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F1									
142	5710.0	802.11n-40	Front	/	17.66	18.5	0.132	0.16	0.03
142	5710.0	802.11n-40	Rear	/	17.66	18.5	0.648	0.79	0.09
< U-NII-3> - Body-Worn Test Data (15mm) - Power Level F1/F2									
159	5795.0	802.11n-40	Front	/	17.87	18.5	0.152	0.18	0.03
159	5795.0	802.11n-40	Rear	/	17.87	18.5	0.574	0.66	0.12
< U-NII-2C> - Body-Worn Test Data (15mm) - Power Level F2									
138	5690.0	802.11ac-80	Front	/	14.72	16.5	0.087	0.13	-0.03
138	5690.0	802.11ac-80	Rear	/	14.72	16.5	0.425	0.64	-0.05

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 $\leq 1.2 \text{ W/kg}$ 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 13.64: SAR Values – WLAN 5GHz (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						
138	5690.0	Head	Left Tilt	100%	100%	1.35	1.35
151	5755.0	Body	Rear	100%	100%	1.29	1.29

13.7. Product specific 10g SAR

Table 13.65: SAR Values (WCDMA Band 2 - 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									
9400	1880.0	RMC	Bottom	/	22.90	24.0	2.080	2.68	0.06
9538	1908.0	RMC	Bottom	39	22.90	24.0	2.170	2.80	0.15
9262	1852.4	RMC	Bottom	/	23.00	24.0	2.030	2.56	-0.10

Table 13.66: SAR Values (WCDMA 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									
1413	1732.6	RMC	Bottom	40	22.60	23.5	2.380	2.93	0.04
1513	1752.6	RMC	Bottom	/	22.60	23.5	2.330	2.87	-0.13
1312	1712.4	RMC	Bottom	/	22.60	23.5	2.360	2.90	0.02

Table 13.67: SAR Values (LTE Band 2 - 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									
18900	1880.0	1RB50	Bottom	/	23.04	24.0	2.160	2.69	0.09
19100	1900.0	1RB50	Bottom	/	22.86	24.0	2.060	2.68	0.02
18700	1860.0	1RB50	Bottom	41	23.03	24.0	2.200	2.75	0.02
18900	1880.0	50RB0	Bottom	/	22.20	23.0	1.850	2.22	0.06
19100	1900.0	50RB0	Bottom	/	22.00	23.0	1.760	2.22	-0.13
18700	1860.0	50RB0	Bottom	/	22.19	23.0	1.880	2.27	0.17
18700	1860.0	100RB	Bottom	/	22.16	23.0	1.870	2.27	0.05

Table 13.68: SAR Values (LTE Band 30 - 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									
27710	2310.0	1RB49	Bottom	42/	19.62	21.0	2.130	2.93	0.03
27710	2310.0	25RB12	Bottom	/	18.56	20.0	1.690	2.35	0.12
27710	2310.0	50RB0	Bottom	/	18.57	20.0	1.700	2.36	-0.17

Table 13.69: SAR Values (LTE Band 48 - 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									
55340	3560.0	1RB50	Rear	/	21.05	22.0	1.610	2.00	-0.03
56640	3690.0	1RB50	Rear	/	20.41	22.0	1.500	2.16	0.12
56207	3646.7	1RB50	Rear	/	20.43	22.0	1.600	2.30	0.06
55773	3603.3	1RB50	Rear	43	20.76	22.0	1.650	2.20	-0.17
55340	3560.0	100RB	Rear	/	20.06	21.0	1.310	1.63	0.10

Table 13.70: 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									
132322	1745.0	1RB50	Bottom	44	23.11	24.0	2.520	3.09	0.17
132572	1770.0	1RB50	Bottom	/	23.08	24.0	2.490	3.08	0.03
132072	1720.0	1RB50	Bottom	/	23.11	24.0	2.470	3.03	0.19
132322	1745.0	50RB0	Bottom	/	22.14	23.0	2.090	2.55	0.18
132572	1770.0	50RB0	Bottom	/	22.11	23.0	2.070	2.54	-0.02
132072	1720.0	50RB0	Bottom	/	22.10	23.0	2.050	2.52	-0.15
132072	1720.0	100RB	Bottom	/	22.04	23.0	2.040	2.54	0.02

Table 13.71: SAR Values (WLAN 2.4GHz - 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 F1									
6	2437.0	802.11b	Rear	/	18.00	18.5	2.300	2.58	0.04
11	2462.0	802.11b	Rear	/	17.88	18.5	1.580	1.82	0.08
1	2437.0	802.11b	Rear	/	17.76	18.5	2.570	3.05	0.17
6	2437.0	802.11b	Top	45	18.00	18.5	2.970	3.33	-0.11
11	2462.0	802.11b	Top	/	17.88	18.5	1.930	2.23	0.13
1	2437.0	802.11b	Top	/	17.76	18.5	2.370	2.81	-0.15
Test Data (0mm) - Power Level F2									
6	2437.0	802.11b	Rear	/	15.54	16.5	1.290	1.61	0.03
6	2437.0	802.11b	Top	/	15.54	16.5	1.490	1.86	0.06

Table 13.72: SAR Values (WLAN 5GHz - 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								
<U-NII-2A> - Test Data (0mm) - Power Level F1									
54	5270.0	11n-HT40	Front	/	17.39	18.5	0.334	0.43	0.12
54	5270.0	11n-HT40	Rear	/	17.39	18.5	1.510	1.95	0.09
54	5270.0	11n-HT40	Right	/	17.39	18.5	0.107	0.14	0.03
54	5270.0	11n-HT40	Top	/	17.39	18.5	1.520	1.96	-0.03
<U-NII-2C> - Test Data (0mm) - Power Level F1									
142	5710.0	802.11n-40	Front	/	17.66	18.5	0.645	0.78	0.03
142	5710.0	802.11n-40	Rear	/	17.66	18.5	1.700	2.06	0.09
142	5710.0	802.11n-40	Right	/	17.66	18.5	0.362	0.44	0.04
142	5710.0	802.11n-40	Top	/	17.66	18.5	1.970	2.39	0.13
126	5630.0	802.11n-40	Rear	/	17.63	18.5	1.870	2.28	0.09
110	5550.0	802.11n-40	Rear	/	17.53	18.5	1.770	2.21	0.01
126	5630.0	802.11n-40	Top	46	17.63	18.5	2.060	2.52	0.12
110	5550.0	802.11n-40	Top	/	17.53	18.5	1.900	2.38	0.06
<U-NII-2A> - Test Data (0mm) - Power Level F2									
54	5270.0	11n-HT40	Front	/	15.48	17.0	0.227	0.32	0.02
54	5270.0	11n-HT40	Rear	/	15.48	17.0	0.883	1.25	0.09
54	5270.0	11n-HT40	Right	/	15.48	17.0	0.067	0.10	0.16
54	5270.0	11n-HT40	Top	/	15.48	17.0	0.917	1.30	-0.03
<U-NII-2C> - Test Data (0mm) - Power Level F2									
138	5690.0	802.11ac-80	Front	/	14.72	16.5	0.251	0.38	0.06
138	5690.0	802.11ac-80	Rear	/	14.72	16.5	0.781	1.18	0.01
138	5690.0	802.11ac-80	Right	/	14.72	16.5	0.142	0.21	0.17
138	5690.0	802.11ac-80	Top	/	14.72	16.5	1.020	1.54	-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 - LTE Band 30(Ant.5)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
27710	2310.0	Bottom	0.915	0.909	1.01	/

Table 14.2: SAR Measurement Variability for Body - LTE Band 48(Ant.6)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
55773	3603.3	Rear	0.906	0.892	1.02	/

Table 14.3: SAR Measurement Variability for Head - WLAN 2.4GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
6	2437.0	Left Tilt	0.911	0.899	1.01	/

Table 14.4: SAR Measurement Variability for Body - WLAN 2.4GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
6	2437.0	Top	0.827	0.816	1.01	/

Table 14.5: SAR Measurement Variability for Head - WLAN 5GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
138	5690.0	Left Tilt	0.948	0.933	1.02	/

Table 14.6: SAR Measurement Variability for Body - WLAN 5GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
151	5755.0	Rear	0.925	0.914	1.01	/

Table 14.7: SAR Measurement Variability for Extremity - WCDMA Band 2(Ant.5)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
9538	1908.0	Bottom	2.170	2.120	1.02	/

Table 14.8: SAR Measurement Variability for Extremity - WCDMA Band 4(Ant.5)

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	Bottom	2.380	2.290	1.04	/

Table 14.9: SAR Measurement Variability for Extremity - LTE Band 4(Ant.5)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
18700	1860.0	Bottom	2.200	2.110	1.04	/

Table 14.10: SAR Measurement Variability for Extremity - LTE Band 30(Ant.5)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
27710	2310.0	Bottom	2.130	2.060	1.03	/

Table 14.11: SAR Measurement Variability for Extremity - LTE Band 66 (Ant.5)

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
132322	1745.0	Bottom	2.520	2.440	1.03	/

Table 14.12: SAR Measurement Variability for Extremity - WLAN 2.4GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
6	2437.0	Top	2.970	2.890	1.03	/

Table 14.13: SAR Measurement Variability for Extremity - WLAN 5GHz

Frequency		Test Position	Original	1 st Repeated	Ratio	2 nd Repeated
Ch.	MHz		SAR (W/kg)	SAR (W/kg)		SAR (W/kg)
126	5630.0	Top	2.060	1.990	1.04	/