

MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	23.68	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.91	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	23.69	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	23.78	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	23.87	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	23.88	25.20
MAIN ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.79	25.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.83	25.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.92	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.93	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.90	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.95	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	22.09	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.06	23.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.93	23.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.96	23.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	19.69	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	19.85	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	19.92	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	19.89	21.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.81	21.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.79	21.20

Table 120: Additional Conducted Power test results of UL inter-band CA

Note: For uplink CA, additional SAR test is only required on the uplink CA configurations with 2 component carriers downlink. Additional SAR test is not required for uplink CA configurations with 3~4 component carriers downlink because the highest UL CA output power configuration with 3~4 component carriers downlink is < 1/4 dB higher than the same UL CA output power configuration with 2 component carriers downlink.

7.1.33 Conducted power measurements of WiFi 2.4G

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	10.50	8.87
		6	2437		10.50	9.32
		11	2462		10.50	9.61
	Ant6(core1)	1	2412		10.50	9.20
		6	2437		10.50	9.87
		11	2462		10.50	9.34
802.11g SISO	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.31
		4	2427		10.50	9.89
		5	2432		10.50	9.92
		6	2437		10.50	9.69
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422	MCS0	9.00	7.74
		4	2427		10.50	8.96
		5	2432		10.50	9.68
		6	2437		10.50	9.19
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20

Table 121: Conducted power measurement results of WiFi 2.4G SISO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
	Sum	1	2412	6M	13.50	12.11
		6	2437		13.50	11.79
		11	2462		13.50	12.11
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
	Sum	1	2412	MCS0	13.50	11.94
		6	2437		13.50	11.66
		11	2462		13.50	12.00
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.31
		4	2427		10.50	9.89
		5	2432		10.50	9.92
		6	2437		10.50	9.69
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422		9.00	7.74
		4	2427		10.50	8.96
		5	2432		10.50	9.68
		6	2437		10.50	9.19
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20
	Sum	3	2422	MCS8	12.00	10.54
		4	2427		13.50	12.46
		5	2432		13.50	12.81
		6	2437		13.50	12.46
		7	2442		11.00	9.53
		8	2447		11.00	9.57
		9	2452		11.00	9.35

Table 122: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	19.00	17.69
		6	2437		19.00	17.82
		11	2462		19.00	18.00
	Ant6(core1)	1	2412		18.50	17.52
		6	2437		18.50	17.07
		11	2462		18.50	17.81
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.43
		2	2417		18.00	16.03
		6	2437		18.00	16.37
		10	2457		18.00	16.22
		11	2462		11.50	9.67
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	15.69
		6	2437		17.50	15.58
		10	2457		17.50	15.84
		11	2462		11.50	10.20
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.44
		2	2417		17.00	14.67
		6	2437		17.00	14.99
		10	2457		17.00	14.85
		11	2462		11.50	9.55
	Ant6(core1)	1	2412		11.50	9.05
		2	2417		16.50	14.59
		6	2437		16.50	14.56
		10	2457		16.50	14.80
		11	2462		11.50	10.03
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.92
		4	2427		17.00	15.02
		5	2432		17.00	15.36
		6	2437		17.00	15.13
		7	2442		8.00	6.39
		8	2447		8.00	6.53
		9	2452		8.00	7.01
	Ant6(core1)	3	2422	MCS0	9.00	8.08
		4	2427		16.50	15.16
		5	2432		16.50	15.20
		6	2437		16.50	15.37
		7	2442		8.00	6.53
		8	2447		8.00	6.70
		9	2452		8.00	7.02

Table 123: Conducted power measurement results of WiFi 2.4G SISO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.42
		2	2417		18.00	15.91
		6	2437		18.00	16.20
		10	2457		18.00	16.10
		11	2462		11.50	9.70
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	15.84
		6	2437		17.50	15.51
		10	2457		17.50	15.63
		11	2462		11.50	9.30
	Sum	1	2412		14.50	12.27
		2	2417		20.80	18.89
		6	2437		20.80	18.88
		10	2457		20.80	18.88
		11	2462		14.50	12.51
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.02
		2	2417		17.00	14.52
		6	2437		17.00	14.87
		10	2457		17.00	14.79
		11	2462		11.50	9.29
	Ant6(core1)	1	2412		11.50	8.53
		2	2417		16.50	14.83
		6	2437		16.50	14.49
		10	2457		16.50	14.45
		11	2462		11.50	8.61
	Sum	1	2412		14.50	11.79
		2	2417		19.80	17.69
		6	2437		19.80	17.69
		10	2457		19.80	17.63
		11	2462		14.50	11.97
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.67
		4	2427		17.00	15.00
		5	2432		17.00	15.09
		6	2437		17.00	15.03
		7	2442		8.00	6.63
		8	2447		8.00	6.71
		9	2452		8.00	6.91
	Ant6(core1)	3	2422		9.00	7.66
		4	2427		16.50	15.25
		5	2432		16.50	15.30
		6	2437		16.50	15.39
		7	2442		8.00	6.80
		8	2447		8.00	6.29
		9	2452		8.00	6.32
	Sum	3	2422		12.00	10.68

		4	2427		19.80	18.14
		5	2432		19.80	18.21
		6	2437		19.80	18.22
		7	2442		11.00	9.73
		8	2447		11.00	9.52
		9	2452		11.00	9.64

Table 124: Conducted power measurement results of WiFi 2.4G CDD/MIMO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	12.00	10.40
		7	2442		12.00	10.44
		13	2472		12.00	10.51
	Ant6(core1)	1	2412		12.00	11.04
		7	2442		12.00	10.92
		13	2472		12.00	10.71
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	10.16
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.81
		4	2427		12.00	10.36
		7	2442		8.00	10.32
		8	2447		8.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		8.00	10.88
		8	2447		8.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91

Table 125: Conducted power measurement results of WiFi 2.4G SISO(MCC of CE countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	9.86
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
	Sum	1	2412		14.50	12.59
		2	2417		15.00	13.28
		7	2442		15.00	13.11
		10	2457		15.00	12.93
		11	2462		14.50	12.98
		12	2467		15.00	13.21
		13	2472		15.00	14.59
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
	Sum	1	2412		14.50	12.40
		2	2417		15.00	13.36
		7	2442		15.00	12.79
		10	2457		15.00	12.92
		11	2462		14.50	12.78
		12	2467		15.00	12.94
		13	2472		15.00	12.98
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.81
		4	2427		12.00	10.36
		7	2442		12.00	10.32

		8	2447		12.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		12.00	10.88
		8	2547		12.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91
	Sum	3	2422		12.00	11.11
		4	2427		15.00	13.95
		7	2442		15.00	13.62
		8	2447		15.00	13.81
		9	2452		11.00	9.94
		10	2457		11.00	9.95
		11	2462		11.00	9.88

Table 126: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of CE countries,Receiver ON).

Note:

- 1) The Average conducted power of WiFi is measured with RMS detector.
- 2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.34 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
	CH 153	5765	8.50	7.78		
	CH 157	5785	8.50	7.70		
	CH 161	5805	8.50	7.73		
	CH 165	5825	8.50	7.84		
	Ant6(core1)	CH 36	5180	6M	8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
CH 108		5540	8.50		6.38	
CH 112		5560	8.50		6.76	
CH 116		5580	8.50		6.67	
CH 120		5600	8.50		6.58	
CH 124	5620	8.50	6.71			
CH 128	5640	8.50	6.79			
CH 132	5660	8.50	7.04			
CH 136	5680	8.50	6.96			
CH 140	5700	8.50	6.98			
CH 149	5745	8.50	6.04			
CH 153	5765	8.50	5.89			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
	Ant5(core0)	MCS0	CH 36	5180	8.50	7.34
			CH 40	5200	8.50	7.34
			CH 44	5220	8.50	7.04
			CH 48	5240	8.50	6.90
			CH 52	5260	8.50	6.10
			CH 56	5280	8.50	5.96
			CH 60	5300	8.50	5.99
			CH 64	5320	8.50	5.85
			CH 100	5500	8.50	7.50
			CH 104	5520	8.50	7.41
			CH 108	5540	8.50	7.31
			CH 112	5560	8.50	7.31
			CH 116	5580	8.50	6.90
			CH 120	5600	8.50	6.99
			CH 124	5620	8.50	6.93
			CH 128	5640	8.50	7.06
			CH 132	5660	8.50	7.56
			CH 136	5680	8.50	7.63
			CH 140	5700	8.50	7.54
			CH 149	5745	8.50	7.85
	CH 153	5765	8.50	7.76		
	CH 157	5785	8.50	7.65		
	CH 161	5805	8.50	7.73		
	CH 165	5825	8.50	7.80		
	Ant6(core1)	MCS0	CH 36	5180	8.50	6.91
			CH 40	5200	8.50	6.68
			CH 44	5220	8.50	6.65
CH 48			5240	8.50	6.52	
CH 52			5260	8.50	6.45	
CH 56			5280	8.50	6.21	
CH 60			5300	8.50	6.32	
CH 64			5320	8.50	6.44	
CH 100			5500	8.50	6.14	
CH 104			5520	8.50	6.07	
CH 108			5540	8.50	6.25	
CH 112			5560	8.50	6.44	
CH 116			5580	8.50	6.57	
CH 120	5600	8.50	6.66			
CH 124	5620	8.50	6.52			
CH 128	5640	8.50	6.59			
CH 132	5660	8.50	6.87			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
	CH 159	5795	8.50	8.13		
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
CH 151		5755	8.50		6.21	
CH 159	5795	8.50	6.59			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70

		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
		Ant6(core1)	CH 36		5180	MCS0
	CH 40		5200	8.50	6.78	
	CH 44		5220	8.50	6.73	
	CH 48		5240	8.50	6.56	
	CH 52		5260	8.50	6.26	
	CH 56		5280	8.50	6.14	
	CH 60		5300	8.50	6.22	
	CH 64		5320	8.50	6.33	
	CH 100		5500	8.50	6.51	
	CH 104		5520	8.50	6.55	
	CH 108		5540	8.50	6.58	
	CH 112		5560	8.50	6.68	
	CH 116		5580	8.50	6.74	
	CH 120		5600	8.50	6.73	
	CH 124		5620	8.50	6.99	
	CH 128		5640	8.50	7.06	
	CH 132		5660	8.50	7.29	
	CH 136		5680	8.50	7.33	
	CH 140		5700	8.50	7.17	
	CH 149		5745	8.50	5.80	
	CH 153	5765	8.50	5.86		
CH 157	5785	8.50	5.88			
CH 161	5805	8.50	6.20			
CH 165	5825	8.50	6.49			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73

		CH 151	5755	MCS0	8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	CH 38	5190		8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
		CH 126	5630		8.50	7.20
		CH 134	5670		8.50	7.49
		CH 151	5755		8.50	6.16
		CH 159	5795		8.50	6.41
		Mode	Antenna		Channel	Frequency (MHz)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	6.57
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	7.57
	Ant6(core1)	CH 42	5210	MCS0	8.50	7.30
		CH 58	5290		8.50	7.08
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	6.56
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	7.82
	Ant6(core1)	CH 50	5250	MCS0	8.50	7.25
		CH 114	5570		8.50	7.16

Table 127: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
	CH 153	5765	8.50		7.78	
	CH 157	5785	8.50		7.70	
	CH 161	5805	8.50		7.73	
	CH 165	5825	8.50		7.84	
	Ant6(core1)	CH 36	5180		8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
CH 108		5540	8.50	6.38		
CH 112		5560	8.50	6.76		
CH 116		5580	8.50	6.67		
CH 120		5600	8.50	6.58		
CH 124	5620	8.50	6.71			
CH 128	5640	8.50	6.79			
CH 132	5660	8.50	7.04			
CH 136	5680	8.50	6.96			
CH 140	5700	8.50	6.98			

		CH 149	5745	6M	8.50	6.04
		CH 153	5765		8.50	5.89
		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
	Sum	CH 36	5180		11.50	10.07
		CH 40	5200		11.50	10.15
		CH 44	5220		11.50	10.13
		CH 48	5240		11.50	10.05
		CH 52	5260		11.50	9.41
		CH 56	5280		11.50	9.39
		CH 60	5300		11.50	9.28
		CH 64	5320		11.50	9.21
		CH 100	5500		11.50	9.93
		CH 104	5520		11.50	9.94
		CH 108	5540		11.50	9.97
		CH 112	5560		11.50	10.13
		CH 116	5580		11.50	9.79
		CH 120	5600		11.50	9.79
		CH 124	5620		11.50	9.97
		CH 128	5640		11.50	10.08
		CH 132	5660		11.50	10.38
		CH 136	5680		11.50	10.40
		CH 140	5700		11.50	10.36
		CH 149	5745		11.50	10.05
CH 153	5765	11.50	9.95			
CH 157	5785	11.50	10.11			
CH 161	5805	11.50	10.22			
CH 165	5825	11.50	10.25			
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
CH 128	5640	8.50	7.06			
CH 132	5660	8.50	7.56			

		CH 136	5680		8.50	7.63	
		CH 140	5700		8.50	7.54	
		CH 149	5745		8.50	7.85	
		CH 153	5765		8.50	7.76	
		CH 157	5785		8.50	7.65	
		CH 161	5805		8.50	7.73	
		CH 165	5825		8.50	7.80	
	Ant6(core1)	CH 36	5180		8.50	6.91	
		CH 40	5200		8.50	6.68	
		CH 44	5220		8.50	6.65	
		CH 48	5240		8.50	6.52	
		CH 52	5260		8.50	6.45	
		CH 56	5280		8.50	6.21	
		CH 60	5300		8.50	6.32	
		CH 64	5320		8.50	6.44	
		CH 100	5500		8.50	6.14	
		CH 104	5520		8.50	6.07	
		CH 108	5540		8.50	6.25	
		CH 112	5560		8.50	6.44	
		CH 116	5580		8.50	6.57	
		CH 120	5600		8.50	6.66	
		CH 124	5620		8.50	6.52	
		CH 128	5640		8.50	6.59	
		CH 132	5660		8.50	6.87	
		CH 136	5680		8.50	6.89	
		CH 140	5700		8.50	6.83	
		CH 149	5745		8.50	5.87	
		CH 153	5765		8.50	6.03	
		CH 157	5785		8.50	5.91	
		CH 161	5805		8.50	6.82	
		CH 165	5825		8.50	6.60	
	Sum	CH 36	5180		MCS0	11.50	10.14
		CH 40	5200			11.50	10.03
		CH 44	5220			11.50	9.86
		CH 48	5240			11.50	9.72
CH 52		5260	11.50	9.29			
CH 56		5280	11.50	9.10			
CH 60		5300	11.50	9.17			
CH 64		5320	11.50	9.17			
CH 100		5500	11.50	9.88			
CH 104		5520	11.50	9.80			
CH 108		5540	11.50	9.82			
CH 112		5560	11.50	9.91			
CH 116		5580	11.50	9.75			
CH 120	5600	11.50	9.84				
CH 124	5620	11.50	9.74				

		CH 128	5640		11.50	9.84
		CH 132	5660		11.50	10.24
		CH 136	5680		11.50	10.29
		CH 140	5700		11.50	10.21
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.99
		CH 157	5785		11.50	9.88
		CH 161	5805		11.50	10.31
		CH 165	5825		11.50	10.25
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
	CH 159	5795	8.50		8.13	
	Ant6(core1)	CH 38	5190		8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755	8.50	6.21	
	CH 159	5795	8.50	6.59		
	Sum	CH 38	5190	MCS0	11.50	10.51
		CH 46	5230		11.50	10.30
		CH 54	5270		11.50	9.83
		CH 62	5310		11.50	9.62
		CH 102	5510		11.50	9.98
		CH 110	5550		11.50	10.11
		CH 118	5590		11.50	10.02
		CH 126	5630		11.50	10.08
CH 134		5670	11.50		10.62	
CH 151		5755	11.50		10.27	
CH 159	5795	11.50	10.44			

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70
		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
	CH 153	5765	8.50		7.50	
	CH 157	5785	8.50		7.59	
	CH 161	5805	8.50		7.69	
	CH 165	5825	8.50		7.85	
	Ant6(core1)	CH 36	5180		8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
CH 108		5540	8.50	6.58		
CH 112		5560	8.50	6.68		
CH 116		5580	8.50	6.74		
CH 120		5600	8.50	6.73		
CH 124	5620	8.50	6.99			
CH 128	5640	8.50	7.06			
CH 132	5660	8.50	7.29			
CH 136	5680	8.50	7.33			
CH 140	5700	8.50	7.17			
CH 149	5745	8.50	5.80			
CH 153	5765	8.50	5.86			
CH 157	5785	8.50	5.88			

		CH 161	5805	MCS0	8.50	6.20
		CH 165	5825		8.50	6.49
	Sum	CH 36	5180		11.50	10.07
		CH 40	5200		11.50	9.99
		CH 44	5220		11.50	9.88
		CH 48	5240		11.50	9.80
		CH 52	5260		11.50	9.39
		CH 56	5280		11.50	9.28
		CH 60	5300		11.50	9.21
		CH 64	5320		11.50	9.23
		CH 100	5500		11.50	10.02
		CH 104	5520		11.50	9.99
		CH 108	5540		11.50	9.95
		CH 112	5560		11.50	9.98
		CH 116	5580		11.50	9.73
		CH 120	5600		11.50	9.77
		CH 124	5620		11.50	9.92
		CH 128	5640		11.50	10.00
		CH 132	5660		11.50	10.32
		CH 136	5680		11.50	10.34
		CH 140	5700		11.50	10.29
		CH 149	5745		11.50	9.78
		CH 153	5765		11.50	9.77
		CH 157	5785		11.50	9.83
	CH 161	5805	11.50		10.02	
CH 165	5825	11.50	10.23			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73
		CH 151	5755		8.50	7.69
	CH 159	5795	8.50		7.78	
	Ant6(core1)	CH 38	5190		8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
CH 126		5630	8.50	7.20		

		CH 134	5670	MCS0	8.50	7.49	
		CH 151	5755		8.50	6.16	
		CH 159	5795		8.50	6.41	
	Sum	CH 38	5190		11.50	10.45	
		CH 46	5230		11.50	10.23	
		CH 54	5270		11.50	9.62	
		CH 62	5310		11.50	9.64	
		CH 102	5510		11.50	10.04	
		CH 110	5550		11.50	10.08	
		CH 118	5590		11.50	9.92	
		CH 126	5630		11.50	10.10	
		CH 134	5670		11.50	10.62	
		CH 151	5755		11.50	10.00	
		CH 159	5795		11.50	10.16	
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14	
		CH 58	5290		8.50	6.57	
		CH 106	5530		8.50	7.32	
		CH 122	5610		8.50	7.01	
		CH 155	5775		8.50	7.57	
	Ant6(core1)	CH 42	5210		8.50	7.30	
		CH 58	5290		8.50	7.08	
		CH 106	5530		8.50	7.05	
		CH 122	5610		8.50	7.37	
		CH 155	5775		8.50	6.56	
	Sum	CH 42	5210		MCS0	11.50	10.23
		CH 58	5290			11.50	9.84
		CH 106	5530			11.50	10.20
		CH 122	5610			11.50	10.20
		CH 155	5775			11.50	10.10
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76	
		CH 114	5570		8.50	7.82	
	Ant6(core1)	CH 50	5250		8.50	7.25	
		CH 114	5570		8.50	7.16	
	Sum	CH 50	5250	MCS0	11.50	10.52	
		CH 114	5570		11.50	10.51	

Table 128: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	9.81	
		CH 40	5200		17.00	15.96	
		CH 44	5220		17.00	15.90	
		CH 48	5240		17.00	15.81	
		CH 52	5260		17.00	15.53	
		CH 56	5280		17.00	16.03	
		CH 60	5300		17.00	15.92	
		CH 64	5320		11.50	8.86	
		CH 100	5500		11.50	10.18	
		CH 104	5520		17.00	16.30	
		CH 108	5540		17.00	16.23	
		CH 112	5560		17.00	16.22	
		CH 116	5580		17.00	16.14	
		CH 120	5600		17.00	16.17	
		CH 124	5620		17.00	16.28	
		CH 128	5640		17.00	16.36	
		CH 132	5660		17.00	16.37	
		CH 136	5680		17.00	16.40	
		CH 140	5700		10.50	9.10	
		CH 149	5745		11.50	9.39	
	CH 153	5765	11.50	9.33			
	CH 157	5785	11.50	9.31			
	CH 161	5805	11.50	9.41			
	CH 165	5825	11.50	9.40			
		Ant6(core1)	CH 36	5180	6M	11.50	9.46
			CH 40	5200		16.50	15.57
			CH 44	5220		16.50	15.49
			CH 48	5240		16.50	15.30
			CH 52	5260		16.50	15.28
			CH 56	5280		16.50	15.28
			CH 60	5300		16.50	15.33
			CH 64	5320		11.50	8.93
			CH 100	5500		11.50	8.70
			CH 104	5520		16.50	14.86
	CH 108		5540	16.50		15.01	
	CH 112		5560	16.50		15.08	
	CH 116		5580	16.50		15.39	
	CH 120		5600	16.50		15.28	
	CH 124	5620	16.50	15.33			
	CH 128	5640	16.50	15.38			
	CH 132	5660	16.50	15.50			
	CH 136	5680	16.50	15.52			
	CH 140	5700	10.50	8.52			
	CH 149	5745	11.50	8.35			
	CH 153	5765	11.50	8.61			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)				
802.11n SISO 20M		CH 157	5785		11.50	8.82				
		CH 161	5805		11.50	9.09				
		CH 165	5825		11.50	9.24				
	Ant5(core0)		CH 36	5180	MCS0	11.50	10.08			
			CH 40	5200		17.00	15.38			
			CH 44	5220		17.00	15.32			
			CH 48	5240		17.00	15.21			
			CH 52	5260		17.00	15.01			
			CH 56	5280		17.00	14.85			
			CH 60	5300		17.00	14.72			
			CH 64	5320		11.50	9.74			
			CH 100	5500		11.50	10.36			
			CH 104	5520		17.00	15.76			
			CH 108	5540		17.00	15.70			
			CH 112	5560		17.00	15.68			
			CH 116	5580		17.00	15.57			
			CH 120	5600		17.00	15.62			
			CH 124	5620		17.00	15.67			
			CH 128	5640		17.00	15.80			
			CH 132	5660		17.00	15.74			
			CH 136	5680		17.00	15.79			
			CH 140	5700		10.50	9.50			
			CH 149	5745		11.50	9.64			
			CH 153	5765		11.50	9.57			
			CH 157	5785		11.50	9.48			
			CH 161	5805		11.50	9.63			
			CH 165	5825		11.50	9.75			
			Ant6(core1)			CH 36	5180	MCS0	11.5	9.74
						CH 40	5200		16.5	14.46
						CH 44	5220		16.5	14.32
CH 48	5240	16.5			14.17					
CH 52	5260	16.5			14.09					
CH 56	5280	16.5			14.15					
CH 60	5300	16.5			14.20					
CH 64	5320	11.5			9.97					
CH 100	5500	11.5			9.30					
CH 104	5520	16.5			14.30					
CH 108	5540	16.5			14.38					
CH 112	5560	16.5			14.53					
CH 116	5580	16.5			14.61					
CH 120	5600	16.5	14.75							
CH 124	5620	16.5	14.74							
CH 128	5640	16.5	14.81							
CH 132	5660	16.5	14.94							

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
		CH 136	5680		16.5	14.90
		CH 140	5700		10.5	9.04
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.14
		CH 157	5785		11.5	9.29
		CH 161	5805		11.5	9.49
		CH 165	5825		11.5	9.74
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.51
		CH 46	5230		16.50	14.81
		CH 54	5270		16.50	14.37
		CH 62	5310		9.50	7.75
		CH 102	5510		9.50	8.53
		CH 110	5550		16.50	14.84
		CH 118	5590		16.50	14.64
		CH 126	5630		16.50	14.81
		CH 134	5670		9.50	8.54
		CH 151	5755		11.50	9.83
	CH 159	5795	11.50	9.85		
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		16.00	14.25
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	8.50
		CH 102	5510		9.50	7.42
		CH 110	5550		16.00	13.80
		CH 118	5590		16.00	14.03
		CH 126	5630		16.00	14.21
		CH 134	5670		9.50	7.63
CH 151		5755	11.50		9.29	
CH 159	5795	11.50	9.63			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.02
		CH 40	5200		17.00	15.26
		CH 44	5220		17.00	15.25
		CH 48	5240		17.00	15.12
		CH 52	5260		17.00	14.89
		CH 56	5280		17.00	14.74
		CH 60	5300		17.00	14.64
		CH 64	5320		11.50	9.66
		CH 100	5500		11.50	10.32
		CH 104	5520		17.00	15.63
		CH 108	5540		17.00	15.56
		CH 112	5560		17.00	15.52
		CH 116	5580		17.00	15.38

		CH 120	5600		17.00	15.47
		CH 124	5620		17.00	15.49
		CH 128	5640		17.00	15.53
		CH 132	5660		17.00	15.39
		CH 136	5680		17.00	15.42
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.56
		CH 153	5765		11.50	9.55
		CH 157	5785		11.50	9.58
		CH 161	5805		11.50	9.53
		CH 165	5825		11.50	9.62
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.95
		CH 40	5200		16.50	14.52
		CH 44	5220		16.50	14.37
		CH 48	5240		16.50	14.23
		CH 52	5260		16.50	14.13
		CH 56	5280		16.50	14.10
		CH 60	5300		16.50	14.11
		CH 64	5320		11.50	9.99
		CH 100	5500		11.50	9.76
		CH 104	5520		16.50	14.73
		CH 108	5540		16.50	14.81
		CH 112	5560		16.50	14.91
		CH 116	5580		16.50	15.04
		CH 120	5600		16.50	15.14
		CH 124	5620		16.50	15.19
		CH 128	5640		16.50	15.24
		CH 132	5660		16.50	15.32
		CH 136	5680		16.50	15.28
		CH 140	5700		10.50	9.29
		CH 149	5745		11.50	8.93
		CH 153	5765		11.50	8.99
CH 157	5785	11.50	9.06			
CH 161	5805	11.50	9.29			
CH 165	5825	11.50	9.52			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.20
		CH 46	5230		16.50	14.56
		CH 54	5270		16.50	14.27
		CH 62	5310		9.50	7.78
		CH 102	5510		9.50	8.21
		CH 110	5550		16.50	14.61
		CH 118	5590		16.50	14.54
		CH 126	5630		16.50	14.65
		CH 134	5670		9.50	8.15

		CH 151	5755	MCS0	11.50	9.60
		CH 159	5795		11.50	9.73
	Ant6(core1)	CH 38	5190		9.50	8.33
		CH 46	5230		16.00	14.18
		CH 54	5270		16.00	13.90
		CH 62	5310		9.50	8.35
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.08
		CH 118	5590		16.00	14.29
		CH 126	5630		16.00	14.46
		CH 134	5670		9.50	7.93
		CH 151	5755		11.50	9.07
		CH 159	5795		11.50	9.38
		Mode	Antenna		Channel	Frequency (MHz)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.99
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.05
		CH 122	5610		9.50	7.93
		CH 155	5775		11.50	9.62
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.12
		CH 58	5290		9.50	7.91
		CH 106	5530		9.50	8.04
		CH 122	5610		9.50	8.49
		CH 155	5775		11.50	9.47
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.64
		CH 114	5570		9.00	7.68
	Ant6(core1)	CH 50	5250	MCS0	8.50	6.84
		CH 114	5570		8.50	6.95

Table 129: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	11.50	10.12
		CH 40	5200		17.00	15.32
		CH 44	5220		17.00	15.55
		CH 48	5240		17.00	15.47
		CH 52	5260		17.00	15.26
		CH 56	5280		17.00	15.09
		CH 60	5300		17.00	15.05
		CH 64	5320		11.50	9.93
		CH 100	5500		11.50	10.83
		CH 104	5520		17.00	16.02
		CH 108	5540		17.00	15.74
		CH 112	5560		17.00	15.66
		CH 116	5580		17.00	15.78
		CH 120	5600		17.00	16.01
		CH 124	5620		17.00	16.07
		CH 128	5640		17.00	16.03
		CH 132	5660		17.00	15.86
		CH 136	5680		17.00	15.87
		CH 140	5700		10.50	9.71
		CH 149	5745		11.50	9.98
	CH 153	5765	11.50		9.93	
	CH 157	5785	11.50		9.82	
	CH 161	5805	11.50		9.88	
	CH 165	5825	11.50		9.93	
	Ant6(core1)	CH 36	5180		11.50	9.42
		CH 40	5200		16.50	14.72
		CH 44	5220		16.50	14.65
		CH 48	5240		16.50	14.50
		CH 52	5260		16.50	14.40
		CH 56	5280		16.50	14.38
		CH 60	5300		16.50	14.40
		CH 64	5320		11.50	9.78
		CH 100	5500		11.50	9.80
		CH 104	5520		16.50	15.34
		CH 108	5540		16.50	15.34
		CH 112	5560		16.50	15.42
CH 116		5580	16.50	15.36		
CH 120		5600	16.50	15.44		
CH 124		5620	16.50	15.50		
CH 128		5640	16.50	15.57		
CH 132	5660	16.50	15.68			
CH 136	5680	16.50	15.73			
CH 140	5700	10.50	9.47			
CH 149	5745	11.50	9.24			

		CH 153	5765		11.50	9.32	
		CH 157	5785		11.50	9.42	
		CH 161	5805		11.50	9.48	
		CH 165	5825		11.50	9.59	
	Sum		CH 36	5180	6M	14.5	12.79
			CH 40	5200		19.8	18.04
			CH 44	5220		19.8	18.13
			CH 48	5240		19.8	18.02
			CH 52	5260		19.8	17.86
			CH 56	5280		19.8	17.76
			CH 60	5300		19.8	17.75
			CH 64	5320		14.5	12.87
			CH 100	5500		14.5	13.36
			CH 104	5520		19.8	18.70
			CH 108	5540		19.8	18.55
			CH 112	5560		19.8	18.55
			CH 116	5580		19.8	18.59
			CH 120	5600		19.8	18.74
			CH 124	5620		19.8	18.80
			CH 128	5640		19.8	18.82
			CH 132	5660		19.8	18.78
			CH 136	5680		19.8	18.81
			CH 140	5700		13.5	12.60
			CH 149	5745		14.5	12.64
CH 153	5765	14.5	12.65				
CH 157	5785	14.5	12.63				
CH 161	5805	14.5	12.69				
CH 165	5825	14.5	12.77				
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.27	
		CH 40	5200		17.00	15.47	
		CH 44	5220		17.00	15.43	
		CH 48	5240		17.00	15.37	
		CH 52	5260		17.00	15.20	
		CH 56	5280		17.00	15.05	
		CH 60	5300		17.00	14.96	
		CH 64	5320		11.50	9.72	
		CH 100	5500		11.50	10.69	
		CH 104	5520		17.00	15.89	
		CH 108	5540		17.00	15.62	
		CH 112	5560		17.00	15.56	
		CH 116	5580		17.00	15.68	
		CH 120	5600		17.00	15.87	
		CH 124	5620		17.00	15.92	
		CH 128	5640		17.00	15.92	
CH 132	5660	17.00	15.69				
CH 136	5680	17.00	15.74				

		CH 140	5700	MCS0	10.50	9.48
		CH 149	5745		11.50	9.76
		CH 153	5765		11.50	9.75
		CH 157	5785		11.50	9.92
		CH 161	5805		11.50	9.98
		CH 165	5825		11.50	9.87
	Ant6(core1)	CH 36	5180		11.5	9.48
		CH 40	5200		16.5	14.72
		CH 44	5220		16.5	14.58
		CH 48	5240		16.5	14.41
		CH 52	5260		16.5	14.37
		CH 56	5280		16.5	14.31
		CH 60	5300		16.5	14.33
		CH 64	5320		11.5	9.63
		CH 100	5500		11.5	9.68
		CH 104	5520		16.5	15.29
		CH 108	5540		16.5	15.29
		CH 112	5560		16.5	15.36
		CH 116	5580		16.5	15.37
		CH 120	5600		16.5	15.34
		CH 124	5620		16.5	15.44
		CH 128	5640		16.5	15.51
		CH 132	5660		16.5	15.65
		CH 136	5680		16.5	15.70
		CH 140	5700		10.5	9.33
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.19
		CH 157	5785		11.5	9.30
		CH 161	5805		11.5	9.43
		CH 165	5825		11.5	9.51
	Sum	CH 36	5180		14.5	12.90
		CH 40	5200		19.8	18.12
		CH 44	5220		19.8	18.04
		CH 48	5240		19.8	17.93
		CH 52	5260		19.8	17.82
		CH 56	5280		19.8	17.71
CH 60		5300	19.8	17.67		
CH 64		5320	14.5	12.69		
CH 100		5500	14.5	13.22		
CH 104		5520	19.8	18.61		
CH 108		5540	19.8	18.47		
CH 112		5560	19.8	18.47		
CH 116	5580	19.8	18.54			
CH 120	5600	19.8	18.62			
CH 124	5620	19.8	18.70			
CH 128	5640	19.8	18.73			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
		CH 132	5660		19.8	18.68
		CH 136	5680		19.8	18.73
		CH 140	5700		13.5	12.42
		CH 149	5745		14.5	12.48
		CH 153	5765		14.5	12.49
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.72
		CH 165	5825		14.5	12.70
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		16.50	14.84
		CH 54	5270		16.50	14.41
		CH 62	5310		9.50	7.76
		CH 102	5510		9.50	8.72
		CH 110	5550		16.50	14.68
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	15.02
		CH 134	5670		9.50	8.31
		CH 151	5755		11.50	9.91
	CH 159	5795	11.50		9.81	
	Ant6(core1)	CH 38	5190		9.50	7.95
		CH 46	5230		16.00	14.29
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	7.84
		CH 102	5510		9.50	7.74
		CH 110	5550		16.00	14.51
		CH 118	5590		16.00	14.52
		CH 126	5630		16.00	14.51
		CH 134	5670		9.50	7.95
		CH 151	5755		11.50	9.25
	CH 159	5795	11.50		9.43	
	Sum	CH 38	5190		12.5	11.11
		CH 46	5230		19.3	17.58
		CH 54	5270		19.3	17.24
		CH 62	5310		12.5	10.81
		CH 102	5510		12.5	11.27
		CH 110	5550		19.3	17.61
		CH 118	5590		19.3	17.70
		CH 126	5630		19.3	17.78
CH 134		5670	12.5	11.14		
CH 151		5755	14.5	12.60		
CH 159	5795	14.5	12.63			
Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 36	5180		11.50	9.63
		CH 40	5200		17.00	15.52

802.11ac MIMO 20M	MCS0	CH 44	5220	17.00	15.42
		CH 48	5240	17.00	15.33
		CH 52	5260	17.00	15.08
		CH 56	5280	17.00	15.02
		CH 60	5300	17.00	15.06
		CH 64	5320	11.50	9.65
		CH 100	5500	11.50	10.28
		CH 104	5520	17.00	15.90
		CH 108	5540	17.00	15.65
		CH 112	5560	17.00	15.60
		CH 116	5580	17.00	15.94
		CH 120	5600	17.00	15.89
		CH 124	5620	17.00	15.91
		CH 128	5640	17.00	15.88
		CH 132	5660	17.00	15.73
		CH 136	5680	17.00	15.69
		CH 140	5700	10.50	9.54
		CH 149	5745	11.50	9.74
		CH 153	5765	11.50	9.87
		CH 157	5785	11.50	9.84
	CH 161	5805	11.50	9.47	
	CH 165	5825	11.50	9.61	
	Ant6(core1)	CH 36	5180	11.50	9.41
		CH 40	5200	16.50	14.60
		CH 44	5220	16.50	14.48
		CH 48	5240	16.50	14.35
		CH 52	5260	16.50	14.27
		CH 56	5280	16.50	14.24
		CH 60	5300	16.50	14.26
		CH 64	5320	11.50	9.56
		CH 100	5500	11.50	9.62
		CH 104	5520	16.50	15.18
		CH 108	5540	16.50	15.23
		CH 112	5560	16.50	15.25
		CH 116	5580	16.50	15.28
		CH 120	5600	16.50	15.33
CH 124		5620	16.50	15.37	
CH 128		5640	16.50	15.55	
CH 132	5660	16.50	15.58		
CH 136	5680	16.50	15.61		
CH 140	5700	10.50	9.35		
CH 149	5745	11.50	9.07		
CH 153	5765	11.50	9.13		
CH 157	5785	11.50	9.28		
CH 161	5805	11.50	9.38		
CH 165	5825	11.50	9.45		

	Sum	CH 36	5180	MCS0	14.5	12.53
		CH 40	5200		19.8	18.09
		CH 44	5220		19.8	17.99
		CH 48	5240		19.8	17.88
		CH 52	5260		19.8	17.70
		CH 56	5280		19.8	17.66
		CH 60	5300		19.8	17.69
		CH 64	5320		14.5	12.62
		CH 100	5500		14.5	12.97
		CH 104	5520		19.8	18.57
		CH 108	5540		19.8	18.46
		CH 112	5560		19.8	18.44
		CH 116	5580		19.8	18.63
		CH 120	5600		19.8	18.63
		CH 124	5620		19.8	18.66
		CH 128	5640		19.8	18.73
		CH 132	5660		19.8	18.67
		CH 136	5680		19.8	18.66
		CH 140	5700		13.5	12.46
		CH 149	5745		14.5	12.43
		CH 153	5765		14.5	12.53
		CH 157	5785		14.5	12.58
		CH 161	5805		14.5	12.44
CH 165	5825	14.5	12.54			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.43
		CH 46	5230		16.50	14.78
		CH 54	5270		16.50	14.49
		CH 62	5310		9.50	7.91
		CH 102	5510		9.50	8.56
		CH 110	5550		16.50	14.66
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	14.97
		CH 134	5670		9.50	8.35
		CH 151	5755		11.50	9.61
	Ant6(core1)	CH 159	5795		11.50	9.63
		CH 38	5190		9.50	8.01
		CH 46	5230		16.00	14.23
		CH 54	5270		16.00	14.05
		CH 62	5310		9.50	7.99
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.45
		CH 118	5590		16.00	14.47
		CH 126	5630		16.00	14.60
		CH 134	5670		9.50	7.89
CH 151	5755	11.50	9.18			

	Sum	CH 159	5795	MCS0	11.50	9.36	
		CH 38	5190		12.5	11.24	
		CH 46	5230		19.3	17.52	
		CH 54	5270		19.3	17.29	
		CH 62	5310		12.5	10.96	
		CH 102	5510		12.5	11.15	
		CH 110	5550		19.3	17.57	
		CH 118	5590		19.3	17.67	
		CH 126	5630		19.3	17.80	
		CH 134	5670		12.5	11.14	
		CH 151	5755		14.5	12.41	
		CH 159	5795		14.5	12.51	
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.83	
		CH 58	5290		9.50	7.62	
		CH 106	5530		9.50	8.16	
		CH 122	5610		9.50	8.08	
		CH 155	5775		11.50	9.74	
	Ant6(core1)	CH 42	5210		9.50	8.10	
		CH 58	5290		9.50	7.75	
		CH 106	5530		9.50	7.71	
		CH 122	5610		9.50	8.26	
		CH 155	5775		11.50	8.76	
	Sum	CH 42	5210		MCS0	12.5	10.98
		CH 58	5290			12.5	10.70
		CH 106	5530			12.5	10.95
		CH 122	5610			12.5	11.18
		CH 155	5775			14.5	12.29
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 160	Ant5(core0)	CH 50	5250	MCS0	9.00	7.76	
		CH 114	5570		9.00	7.99	
	Ant6(core1)	CH 50	5250		8.50	7.22	
		CH 114	5570		8.50	7.62	
	Sum	CH 50	5250		MCS0	11.8	10.51
		CH 114	5570			11.8	10.82

Table 130: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
		Ant6(core1)	CH 36		5180	6M
	CH 40		5200	13.50	11.58	
	CH 52		5260	13.50	12.06	
	CH 60		5300	13.50	12.21	
	CH 64		5320	11.50	9.85	
	CH 100		5500	11.50	9.83	
	CH 104		5520	13.50	11.64	
	CH 120		5600	13.50	11.77	
	CH 136		5680	13.50	11.96	
	CH 140		5700	10.50	9.22	
	CH 149		5745	11.50	9.67	
	CH 157		5785	11.50	9.80	
	CH 165	5825	11.50	9.86		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92
		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
	CH 165	5825	11.50		10.19	
	Ant6(core1)	CH 36	5180		MCS0	11.50
CH 40		5200	13.50	11.05		

		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88

		CH 136	5680	MCS0	13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15
		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
		Mode	Antenna		Channel	Frequency (MHz)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
		CH 159	5795		11.50	10.00
	Ant6(core1)	CH 38	5190		9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
CH 151	5755	11.50	9.73			
CH 159	5795	11.50	9.87			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03

802.11ac SISO 80M		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm) For Data Rates
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250	MCS0	9.50	6.84
		CH 114	5570		9.50	6.54

Table 131: Conducted power measurement results of WiFi 5G SISO(MCC of CE countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD 20M	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
	Ant6(core1)	CH 36	5180		11.50	9.77
		CH 40	5200		13.50	11.58
		CH 52	5260		13.50	12.06
		CH 60	5300		13.50	12.21
		CH 64	5320		11.50	9.85
		CH 100	5500		11.50	9.83
		CH 104	5520		13.50	11.64
		CH 120	5600		13.50	11.77
		CH 136	5680		13.50	11.96
		CH 140	5700		10.50	9.22
		CH 149	5745		11.50	9.67
		CH 157	5785		11.50	9.80
		CH 165	5825		11.50	9.86
	Sum	CH 36	5180		14.50	12.92
		CH 40	5200		16.50	14.82
		CH 52	5260		16.50	14.99
		CH 60	5300		16.50	15.15
		CH 64	5320		14.50	12.80
		CH 100	5500		14.50	13.19
		CH 104	5520		16.50	15.13
CH 120		5600	16.50	15.12		
CH 136		5680	16.50	15.61		
CH 140		5700	13.50	12.41		
CH 149		5745	14.50	12.69		
CH 157		5785	14.50	12.88		
CH 165		5825	14.50	13.05		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92

		CH 60	5300		13.50	11.00	
		CH 64	5320		11.50	9.44	
		CH 100	5500		11.50	10.41	
		CH 104	5520		13.50	11.91	
		CH 120	5600		13.50	11.95	
		CH 136	5680		13.50	12.61	
		CH 140	5700		10.50	9.48	
		CH 149	5745		11.50	9.63	
		CH 157	5785		11.50	9.91	
		CH 165	5825		11.50	10.19	
	Ant6(core1)	CH 36	5180		11.50	9.72	
		CH 40	5200		13.50	11.05	
		CH 52	5260		13.50	10.97	
		CH 60	5300		13.50	11.10	
		CH 64	5320		11.50	9.70	
		CH 100	5500		11.50	9.61	
		CH 104	5520		13.50	11.05	
		CH 120	5600		13.50	11.13	
		CH 136	5680		13.50	11.48	
		CH 140	5700		10.50	9.20	
		CH 149	5745		11.50	9.49	
		CH 157	5785		11.50	9.65	
	CH 165	5825	11.50		9.73		
	Sum	CH 36	5180		MCS0	14.50	12.90
		CH 40	5200			16.50	14.25
		CH 52	5260			16.50	13.96
		CH 60	5300			16.50	14.06
		CH 64	5320			14.50	12.58
		CH 100	5500			14.50	13.04
		CH 104	5520			16.50	14.51
		CH 120	5600			16.50	14.57
		CH 136	5680			16.50	15.09
		CH 140	5700			13.50	12.35
CH 149		5745	14.50	12.57			
CH 157		5785	14.50	12.79			
CH 165	5825	14.50	12.98				
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38	
		CH 46	5230		13.50	11.44	
		CH 54	5270		13.50	11.20	
		CH 62	5310		9.50	7.77	
		CH 102	5510		9.50	8.51	
		CH 110	5550		13.50	11.83	
		CH 118	5590		13.50	11.78	
		CH 126	5630		13.50	11.75	
		CH 134	5670		9.50	8.47	

		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190		9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
		Sum	CH 38		5190	12.50
	CH 46		5230		16.50	14.50
	CH 54		5270		16.50	14.39
	CH 62		5310		12.50	11.03
	CH 102		5510		12.50	11.01
	CH 110		5550		16.50	14.80
	CH 118		5590		16.50	14.79
CH 126	5630		16.50	14.80		
MCS0	CH 134	5670	12.50	11.10		
	CH 151	5755	14.50	12.75		
		CH 159	5795	14.50	12.98	
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88
		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
	CH 165	5825	11.50		10.09	
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
CH 120		5600	13.50	11.15		

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)			
		CH 136	5680	MCS0	13.50	11.50			
		CH 140	5700		10.50	9.26			
		CH 149	5745		11.50	9.59			
		CH 157	5785		11.50	9.70			
		CH 165	5825		11.50	9.82			
	Sum	CH 36	5180		14.50	12.87			
		CH 40	5200		16.50	14.29			
		CH 52	5260		16.50	14.08			
		CH 60	5300		16.50	14.09			
		CH 64	5320		14.50	12.62			
		CH 100	5500		14.50	13.10			
		CH 104	5520		16.50	14.52			
		CH 120	5600		16.50	14.54			
		CH 136	5680		16.50	15.14			
		CH 140	5700		13.50	12.42			
		CH 149	5745		14.50	12.67			
		CH 157	5785		14.50	12.75			
		CH 165	5825		14.50	12.97			
		802.11ac MIMO 40M	Ant5(core0)		CH 38	5190	MCS0	9.50	8.24
					CH 46	5230		13.50	11.49
CH 54	5270			13.50	11.06				
CH 62	5310			9.50	7.45				
CH 102	5510			9.50	8.30				
CH 110	5550			13.50	11.72				
CH 118	5590			13.50	11.73				
CH 126	5630			13.50	11.75				
CH 134	5670			9.50	8.47				
CH 151	5755			11.50	9.87				
CH 159	5795			11.50	10.00				
Ant6(core1)	CH 38		5190	9.50	8.22				
	CH 46		5230	13.50	11.51				
	CH 54		5270	13.50	11.58				
	CH 62		5310	9.50	8.24				
	CH 102		5510	9.50	7.62				
	CH 110		5550	13.50	11.79				
	CH 118		5590	13.50	11.77				
	CH 126		5630	13.50	11.82				
	CH 134		5670	9.50	7.76				
	CH 151		5755	11.50	9.73				
	CH 159		5795	11.50	9.87				
Sum	CH 38		5190	MCS0	12.50	11.24			
	CH 46		5230		16.50	14.51			
	CH 54		5270		16.50	14.34			
	CH 62		5310		12.50	10.87			

		CH 102	5510		12.50	10.98
		CH 110	5550		16.50	14.77
		CH 118	5590		16.50	14.76
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.14
		CH 151	5755		14.50	12.81
		CH 159	5795		14.50	12.95
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210		9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
	Sum	CH 42	5210	MCS0	12.50	11.11
		CH 58	5290		12.50	10.85
		CH 106	5530		12.50	11.15
		CH 122	5610		12.50	11.20
		CH 155	5775		14.50	12.97
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250		9.50	6.84
		CH 114	5570		9.50	6.54
	Sum	CH 50	5250	MCS0	11.80	10.06
		CH 114	5570		11.80	10.43

Table 132: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of CE countries,Receiver ON)

Note:

- 1) The Average conducted power of WiFi is measured with RMS detector.
- 2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.35 Conducted power measurements of BT

The output power of BT antenna is as the following:

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	17.00	15.11	15.48	15.88
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	22CH	32CH
DH5	17.01	16.07	15.33	15.65
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	16CH	32CH
2-DH5	15.50	13.00	13.73	13.04
3-DH5	15.50	13.02	13.72	13.05
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	33CH	54CH	75CH
DH5	16.50	15.04	15.14	14.65
2-DH5	14.50	13.13	13.26	12.80
3-DH5	14.50	13.13	13.27	12.79
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	76CH	77CH	78CH
DH5	14.50	14.22	13.76	13.25
2-DH5	12.50	12.40	11.95	11.44
3-DH5	12.50	12.40	11.96	11.44

Table 133: Conducted power measurement results of BT(Power level A)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	9.50	8.02	8.35	8.46
2-DH5	7.50	6.06	6.37	6.44
3-DH5	7.50	6.06	6.37	6.45
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	39CH	67CH
DH5	11.00	9.17	9.71	9.04
2-DH5	9.50	6.57	7.83	6.74
3-DH5	9.50	6.57	7.83	6.75
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	68CH	73CH	78CH
DH5	9.50	8.57	9.21	8.45
2-DH5	7.50	6.89	7.29	6.52
3-DH5	7.50	6.89	7.29	6.53

Table 134: Conducted power measurement results of BT(Power level B)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	3CH	5CH
BLE	8.50	6.73	6.90	7.02
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	6CH	19CH	31CH
BLE	9.50	7.58	7.86	7.26
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	32CH	36CH	39CH
BLE	8.50	6.82	7.32	6.98

Table 135: Conducted power measurement results of BT BLE(Power level B).

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	9CH
UHD GFSK 1Mbps HP	16.70	13.33	14.33	14.22
UHD GFSK 2Mbps HP	16.50	13.41	14.40	14.29
UHD 2M HP	16.50	13.51	14.49	14.39
UHD 2M 8DPSK HP	16.70	13.60	14.60	14.49
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	10CH	14CH	17CH
UHD GFSK 1Mbps HP	16.00	14.08	13.93	14.26
UHD GFSK 2Mbps HP	15.80	14.17	14.01	14.35
UHD 2M HP	15.80	14.26	14.09	14.40
UHD 2M 8DPSK HP	15.90	14.38	14.21	14.20
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	18CH	22CH	25CH
UHD GFSK 1Mbps HP	16.90	14.19	13.98	13.43
UHD GFSK 2Mbps HP	16.60	14.28	14.06	13.52
UHD 2M HP	16.60	14.35	14.15	13.61
UHD 2M 8DPSK HP	16.70	14.45	14.25	13.71
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	26CH	29CH	32CH
UHD GFSK 1Mbps HP	15.70	13.25	13.09	13.43
UHD GFSK 2Mbps HP	15.50	13.35	13.17	13.48
UHD 2M HP	15.50	13.42	13.26	13.61
UHD 2M 8DPSK HP	15.70	13.52	13.36	13.69
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	33CH	35CH	37CH
UHD GFSK 1Mbps HP	15.90	13.53	13.15	11.95
UHD GFSK 2Mbps HP	15.90	13.65	13.22	12.08
UHD 2M HP	15.90	13.68	13.31	12.16
UHD 2M 8DPSK HP	16.00	13.79	13.41	12.28
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	/	/
UHD 4M	15.50	13.36	/	/
	Max.	2CH	6CH	8CH
	16.50	13.8	14.39	14.36
	Max.	10CH	12CH	14CH
	16.00	14.14	13.99	13.92
	Max.	16CH	20CH	24CH
	16.40	14.12	14.18	13.67
	Max.	26CH	28CH	30CH
	15.70	13.28	13.11	13.18
	Max.	32CH	34CH	36CH
15.80	13.43	13.41	12.68	

Table 136: Conducted power measurement results of BT UHD(Power level A)

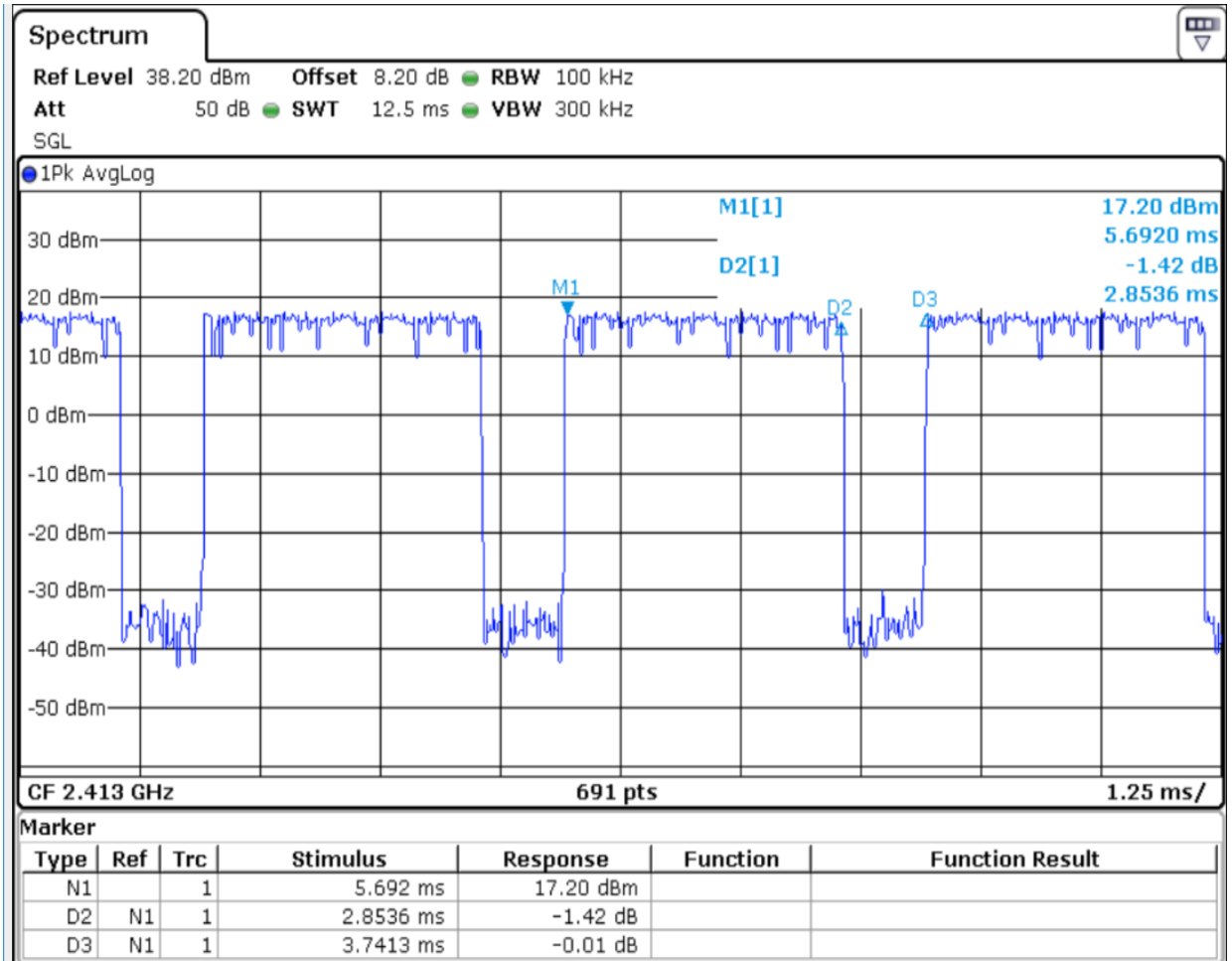
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	2CH	4CH
UHD GFSK 1Mbps HP	7.10	5.69	5.88	6.05
UHD GFSK 2Mbps HP	7.10	5.08	5.92	6.15
UHD 2M HP	7.80	6.45	6.59	6.57
UHD 2M 8DPSK HP	7.80	6.43	6.73	6.93
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	5CH	11CH	17CH
UHD GFSK 1Mbps HP	8.10	3.61	6.96	6.93
UHD GFSK 2Mbps HP	8.10	6.41	7.02	7.03
UHD 2M HP	8.20	7.12	7.65	7.69
UHD 2M 8DPSK HP	8.20	7.15	7.75	7.77
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	18CH	22CH	25CH
UHD GFSK 1Mbps HP	9.00	6.97	6.95	6.59
UHD GFSK 2Mbps HP	9.00	7.07	7.03	6.67
UHD 2M HP	9.20	7.71	7.70	7.36
UHD 2M 8DPSK HP	9.20	7.76	7.79	7.42
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	26CH	32CH	37CH
UHD GFSK 1Mbps HP	7.70	6.44	6.62	5.83
UHD GFSK 2Mbps HP	7.70	6.23	6.72	5.92
UHD 2M HP	8.40	7.19	7.35	6.59
UHD 2M 8DPSK HP	8.50	7.30	7.42	6.38
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	2CH	4CH
UHD 4M	7.60	5.63	5.89	6.12
	Max.	6CH	12CH	16CH
	8.50	6.52	6.63	6.51
	Max.	18CH	22CH	24CH
	7.90	6.71	6.99	6.50
	Max.	26CH	32CH	36CH
	8.20	6.50	6.64	6.15

Table 137: Conducted power measurement results of BT UHD(Power level B)

Note:

- 1)The conducted power of BT is measured with RMS detector.
- 2)The bolded mode was selected for SAR testing.
- 3)As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.
- 4) BT BLE does not support High power level A mode.

Figure: Bluetooth Transmission Plot



So the actual bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pules} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.8536\text{ms}}{3.7413\text{ms}} * 100\% = 76\%$$

7.2 SAR measurement Results

General Notes:

- 1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.When the maximum output power variation across the required test channels is $> \frac{1}{2}\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
- 4) Per KDB941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 5) Per KDB648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is $\leq 1.2\text{ W/kg}$, no additional SAR evaluations using a headset are required.
- 6) Per KDB865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is $> 1.5\text{ W/kg}$, or $> 7.0\text{ W/kg}$ for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).
- 7) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
- 8) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.
- 9) Per KDB648474 D04, a handset must be tested according to all required SAR test procedures, without the after-market accessory (additional batteries, battery cover and sleeve, etc.), to demonstrate compliance. For handsets with additional batteries, NFC and wireless charging battery covers or similar accessory (sleeve carrier, etc.), the highest *reported* SAR for each wireless technology (1xRTT, EVDO, WCDMA, GSM, Wi-Fi, etc.), frequency band, operating mode (different modes/configurations within each wireless technology) and applicable exposure condition (head, body-worn accessory, hotspot mode, etc.) without the accessory must be repeated with the specific accessory attached. In addition, for test cases where the measured SAR for a handset without the accessory is greater than 1.2 W/kg , these tests should be repeated with the additional batteries, NFC and wireless charging battery covers or similar accessory.

GSM Notes:

- 1) Per KDB941225 D01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
- 2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

- 1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices. The general test procedures used for SAR testing can be found in Section 6.5.
- 2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI)
- 3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

Per KDB248227D01:

- 1) When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8 W/kg or all test position are measured. 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(s) until the *reported* SAR is ≤ 1.2 W/kg or all required channels are tested..
- 2) When the DSSS *reported* SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 3) When the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations
- 4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

7.2.1 SAR measurement Result of GSM850

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	190/836.6	GSM	0.273	0.138	-0.14	27.70	28.20	0.306	Battery 1#	Yes
Left tilt	190/836.6	GSM	0.252	0.120	0.04	27.70	28.20	0.283	Battery 1#	/
Right cheek	190/836.6	GSM	0.266	0.142	-0.01	27.70	28.20	0.298	Battery 1#	/
Right tilt	190/836.6	GSM	0.243	0.119	-0.07	27.70	28.20	0.273	Battery 1#	/
Left cheek	190/836.6	GSM	0.271	0.137	0.05	27.70	28.20	0.304	Battery 2#	/
Left cheek	128/824.2	GSM	0.205	0.103	-0.11	27.63	28.20	0.234	Battery 1#	/
Left cheek	251/848.8	GSM	0.239	0.120	-0.04	27.72	28.20	0.267	Battery 1#	/
Main Antenna										
Left cheek	190/836.6	GSM	0.089	0.059	0.03	33.86	34.00	0.092	Battery 1#	/
Left tilt	190/836.6	GSM	0.041	0.028	0.02	33.86	34.00	0.042	Battery 1#	/
Right cheek	190/836.6	GSM	0.104	0.082	0.15	33.86	34.00	0.107	Battery 1#	Yes
Right tilt	190/836.6	GSM	0.042	0.029	0.06	33.86	34.00	0.044	Battery 1#	/
Right cheek	190/836.6	GSM	0.100	0.080	-0.06	33.86	34.00	0.103	Battery 2#	/
Right cheek	128/824.2	GSM	0.100	0.080	-0.08	33.80	34.00	0.105	Battery 1#	/
Right cheek	251/848.8	GSM	0.082	0.065	0.05	33.96	34.00	0.083	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	190/836.6	GSM	0.247	0.126	-0.17	27.70	28.20	0.277	Battery 1#	/
Main Antenna										
Right cheek	190/836.6	GSM	0.037	0.020	0.12	33.86	34.00	0.038	Battery 1#	/

Table 138: Head SAR test results of GSM850

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.043	0.030	-0.15	28.29	28.70	0.047	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.049	0.035	-0.10	28.29	28.70	0.054	Battery 1#	Yes
Back Side	15mm	190/836.6	GSM	0.047	0.033	-0.03	28.29	28.70	0.052	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.037	0.026	-0.08	28.11	28.70	0.042	Battery 1#	/
Back Side	15mm	251/848.8	GSM	0.044	0.031	-0.13	28.22	28.70	0.050	Battery 1#	/
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.209	0.142	-0.07	33.86	34.00	0.216	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.291	0.209	-0.07	33.86	34.00	0.301	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.285	0.204	-0.05	33.86	34.00	0.294	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.307	0.222	-0.06	33.80	34.00	0.321	Battery 1#	Yes
Back Side	15mm	251/848.8	GSM	0.253	0.180	-0.05	33.96	34.00	0.255	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	190/836.6	GSM	0.034	0.023	-0.19	28.29	28.70	0.037	Battery 1#	/
Main Antenna											
Back Side	15mm	128/824.2	GSM	0.128	0.093	-0.05	33.80	34.00	0.134	Battery 1#	/

Table 139: Body-Worn SAR test results of GSM850

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.110	0.060	-0.15	26.25	26.70	0.122	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.106	0.059	-0.16	26.25	26.70	0.118	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.066	0.044	-0.09	26.25	26.70	0.074	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.010	0.007	-0.08	26.25	26.70	0.011	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.074	0.035	0.15	26.25	26.70	0.082	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.101	0.056	-0.11	26.25	26.70	0.112	Battery 2#	/
Front Side	10mm	128/824.2	GPRS 2TS	0.074	0.041	-0.16	26.18	26.70	0.084	Battery 1#	/
Front Side	10mm	251/848.8	GPRS 2TS	0.088	0.049	-0.03	26.18	26.70	0.100	Battery 1#	/
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.302	0.197	-0.06	31.62	32.00	0.330	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.394	0.232	-0.06	31.62	32.00	0.430	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.312	0.160	-0.04	31.62	32.00	0.341	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.261	0.161	-0.05	31.62	32.00	0.285	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.423	0.248	-0.04	31.62	32.00	0.462	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.481	0.340	-0.10	31.52	32.00	0.537	Battery 2#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.435	0.256	-0.09	31.72	32.00	0.464	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.114	0.062	-0.17	26.25	26.70	0.126	Battery 1#	Yes
Main Antenna											
Back Side	10mm	128/824.2	GPRS 2TS	0.210	0.150	-0.13	31.52	32.00	0.235	Battery 2#	/

Table 140: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.2 SAR measurement Result of GSM1900

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	661/1880	GSM	0.118	0.059	-0.02	26.24	27.00	0.141	Battery 1#	/
Left tilt	661/1880	GSM	0.162	0.079	-0.10	26.24	27.00	0.193	Battery 1#	/
Right cheek	661/1880	GSM	0.191	0.092	-0.02	26.24	27.00	0.228	Battery 1#	/
Right tilt	661/1880	GSM	0.224	0.109	-0.03	26.24	27.00	0.267	Battery 1#	/
Right tilt	661/1880	GSM	0.225	0.109	-0.07	26.24	27.00	0.268	Battery 2#	/
Right tilt	512/1850.2	GSM	0.249	0.121	-0.04	26.17	27.00	0.301	Battery 2#	/
Right tilt	810/1909.8	GSM	0.229	0.108	-0.05	26.09	27.00	0.282	Battery 2#	/
Main Antenna										
Left cheek	661/1880	GSM	0.063	0.041	-0.04	30.33	31.00	0.073	Battery 1#	/
Left tilt	661/1880	GSM	0.038	0.021	0.06	30.33	31.00	0.044	Battery 1#	/
Right cheek	661/1880	GSM	0.060	0.039	-0.10	30.33	31.00	0.070	Battery 1#	/
Right tilt	661/1880	GSM	0.035	0.021	-0.10	30.33	31.00	0.041	Battery 1#	/
Left cheek	661/1880	GSM	0.064	0.041	-0.10	30.33	31.00	0.074	Battery 2#	/
Left cheek	512/1850.2	GSM	0.051	0.033	0.09	30.32	31.00	0.060	Battery 2#	/
Left cheek	810/1909.8	GSM	0.069	0.045	0.17	30.14	31.00	0.084	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	512/1850.2	GSM	0.333	0.162	-0.12	26.17	27.00	0.403	Battery 2#	Yes
Main Antenna										
Left cheek	810/1909.8	GSM	0.131	0.059	-0.17	30.14	31.00	0.160	Battery 2#	Yes

Table 141: Head SAR test results of GSM1900

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	661/1880	GSM	0.015	0.009	-0.12	26.24	27.00	0.018	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.020	0.012	0.19	26.24	27.00	0.024	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.015	0.008	-0.12	26.24	27.00	0.018	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.025	0.015	0.02	26.17	27.00	0.031	Battery 1#	Yes
Back Side	15mm	810/1909.8	GSM	0.019	0.010	-0.07	26.09	27.00	0.023	Battery 1#	/
Main Antenna											
Front Side	15mm	661/1880	GSM	0.087	0.077	0.16	30.33	31.00	0.102	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.121	0.079	-0.07	30.33	31.00	0.141	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.114	0.069	0.10	30.33	31.00	0.133	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.101	0.062	0.11	30.32	31.00	0.118	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	0.130	0.084	-0.11	30.14	31.00	0.158	Battery 1#	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	512/1850.2	GSM	0.021	0.011	-0.17	26.17	27.00	0.025	Battery 1#	/
Main Antenna											
Back Side	15mm	810/1909.8	GSM	0.123	0.071	-0.12	30.14	31.00	0.150	Battery 1#	/

Table 142: Body-Worn SAR test results of GSM1900

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.044	0.023	-0.07	24.24	25.00	0.052	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.059	0.032	-0.04	24.24	25.00	0.070	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.015	0.008	0.09	24.24	25.00	0.018	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.107	0.057	0.11	24.24	25.00	0.127	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.109	0.059	0.18	24.24	25.00	0.130	Battery 2#	/
Top Side	10mm	512/1850.2	GPRS 2TS	0.099	0.052	0.14	24.14	25.00	0.120	Battery 2#	/
Top Side	10mm	810/1909.8	GPRS 2TS	0.085	0.045	0.13	24.07	25.00	0.106	Battery 2#	/
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.192	0.110	-0.10	28.19	29.00	0.231	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.247	0.146	-0.09	28.19	29.00	0.298	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.127	0.069	0.05	28.19	29.00	0.153	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.437	0.248	0.18	28.19	29.00	0.527	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.410	0.232	0.15	28.19	29.00	0.494	Battery 2#	/
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.365	0.200	0.19	28.17	29.00	0.442	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.473	0.265	0.18	28.02	29.00	0.593	Battery 1#	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	661/1880	GPRS 2TS	0.126	0.068	-0.03	24.24	25.00	0.150	Battery 2#	Yes
Main Antenna											
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.289	0.163	-0.07	28.02	29.00	0.362	Battery 1#	/

Table 143: Hotspot SAR test results of GSM1900

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.3 SAR measurement Result of UMTS Band II

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	9400/1880	RMC	0.105	0.060	-0.07	15.57	16.50	0.130	Battery 1#	/
Left tilt	9400/1880	RMC	0.143	0.080	-0.07	15.57	16.50	0.177	Battery 1#	/
Right cheek	9400/1880	RMC	0.205	0.100	-0.13	15.57	16.50	0.254	Battery 1#	/
Right tilt	9400/1880	RMC	0.189	0.102	-0.17	15.57	16.50	0.234	Battery 1#	/
Right cheek	9400/1880	RMC	0.215	0.103	-0.17	15.57	16.50	0.266	Battery 2#	/
Right cheek	9262/1852.4	RMC	0.193	0.107	-0.16	15.64	16.50	0.235	Battery 2#	/
Right cheek	9538/1907.6	RMC	0.153	0.087	-0.12	15.43	16.50	0.196	Battery 2#	/
Main Antenna										
Left cheek	9400/1880	RMC	0.173	0.112	0.05	23.96	25.00	0.220	Battery 1#	Yes
Left tilt	9400/1880	RMC	0.080	0.044	-0.09	23.96	25.00	0.102	Battery 1#	/
Right cheek	9400/1880	RMC	0.137	0.089	0.08	23.96	25.00	0.174	Battery 1#	/
Right tilt	9400/1880	RMC	0.083	0.048	-0.03	23.96	25.00	0.105	Battery 1#	/
Left cheek	9400/1880	RMC	0.171	0.109	0.05	23.96	25.00	0.217	Battery 2#	/
Left cheek	9262/1852.4	RMC	0.148	0.090	-0.03	24.05	25.00	0.184	Battery 1#	/
Left cheek	9538/1907.6	RMC	0.146	0.088	-0.12	23.85	25.00	0.190	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	9400/1880	RMC	0.266	0.124	0.02	15.57	16.50	0.330	Battery 2#	Yes
Main Antenna										
Left cheek	9400/1880	RMC	0.093	0.061	0.11	23.96	25.00	0.118	Battery 1#	/

Table 144: Head SAR test results of UMTS Band II

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.082	0.046	-0.13	21.55	22.50	0.102	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.134	0.079	-0.11	21.55	22.50	0.167	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.123	0.074	-0.09	21.55	22.50	0.153	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.160	0.095	-0.06	21.68	22.50	0.193	Battery 1#	Yes
Back Side	15mm	9538/1907.6	RMC	0.097	0.057	-0.07	21.45	22.50	0.123	Battery 1#	/
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.218	0.136	-0.08	23.96	25.00	0.277	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.326	0.210	-0.11	23.96	25.00	0.414	Battery 1#	Yes
Back Side	15mm	9400/1880	RMC	0.316	0.205	-0.07	23.96	25.00	0.402	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.325	0.212	-0.14	24.05	25.00	0.404	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.311	0.200	-0.14	23.85	25.00	0.405	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	9262/1852.4	RMC	0.123	0.073	-0.10	21.68	22.50	0.149	Battery 1#	/
Main Antenna											
Back Side	15mm	9400/1880	RMC	0.136	0.079	-0.09	23.96	25.00	0.173	Battery 1#	/

Table 145: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	18.00	0.086	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	18.00	0.138	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	18.00	0.014	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	18.00	0.189	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	18.00	0.180	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	0.172	0.092	0.17	17.23	18.00	0.205	Battery 1#	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	18.00	0.144	Battery 1#	/
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	22.50	0.253	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.318	0.204	-0.11	21.46	22.50	0.404	Battery 1#	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	22.50	0.186	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	22.50	0.362	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	22.50	0.381	Battery 2#	/
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	22.50	0.368	Battery 1#	/
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	22.50	0.357	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	9262/1852.4	RMC	0.169	0.091	-0.03	17.23	18.00	0.202	Battery 1#	/
Main Antenna											
Back Side	10mm	9400/1880	RMC	0.151	0.083	-0.07	21.46	22.50	0.192	Battery 1#	/

Table 146: Hotspot SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	22.50	0.242	Yes
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	22.50	0.390	Yes
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	22.50	0.040	Yes
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	22.50	0.533	Yes
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	22.50	0.509	Yes
Top Side	10mm	9262/1852.4	RMC	0.172	0.092	0.17	17.23	22.50	0.579	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	22.50	0.406	Yes
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	25.00	0.450	Yes
Back Side	10mm	9400/1880	RMC	0.318	0.204	-0.11	21.46	25.00	0.719	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	25.00	0.330	Yes
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	25.00	0.644	Yes
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	25.00	0.678	Yes
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	25.00	0.655	Yes
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	25.00	0.635	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	9262/1852.4	RMC	0.169	0.091	-0.03	17.23	22.50	0.569	Yes
Main Antenna										
Back Side	10mm	9400/1880	RMC	0.151	0.083	-0.07	21.46	25.00	0.341	Yes

Table 147: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

7.2.4 SAR measurement Result of UMTS Band IV

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	1413/1732.6	RMC	0.153	0.077	-0.11	14.54	15.50	0.191	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.257	0.125	-0.03	14.54	15.50	0.321	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.176	0.089	0.08	14.54	15.50	0.220	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.305	0.149	0.04	14.54	15.50	0.380	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.278	0.137	0.04	14.54	15.50	0.347	Battery 2#	/
Right tilt	1312/1712.4	RMC	0.223	0.111	0.01	14.65	15.50	0.271	Battery 1#	/
Right tilt	1513/1752.6	RMC	0.361	0.170	-0.16	14.53	15.50	0.451	Battery 1#	Yes
Main Antenna										
Left cheek	1413/1732.6	RMC	0.233	0.149	0.02	23.99	25.00	0.294	Battery 1#	Yes
Left tilt	1413/1732.6	RMC	0.143	0.077	-0.07	23.99	25.00	0.180	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.199	0.130	-0.10	23.99	25.00	0.251	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.136	0.076	0.07	23.99	25.00	0.172	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.210	0.136	0.12	23.99	25.00	0.265	Battery 2#	/
Left cheek	1312/1712.4	RMC	0.231	0.149	-0.15	24.13	25.00	0.282	Battery 1#	/
Left cheek	1513/1752.6	RMC	0.228	0.146	0.01	24.04	25.00	0.284	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	1513/1752.6	RMC	0.227	0.111	0.07	14.53	15.50	0.284	Battery 1#	/
Main Antenna										
Left cheek	1413/1732.6	RMC	0.099	0.066	0.08	23.99	25.00	0.125	Battery 1#	/

Table 148: Head SAR test results of UMTS Band IV

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.158	0.097	-0.19	22.03	23.00	0.198	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.283	0.168	-0.08	22.03	23.00	0.354	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.274	0.164	-0.04	22.03	23.00	0.343	Battery 2#	/
Back Side	15mm	1312/1712.4	RMC	0.257	0.153	-0.13	22.15	23.00	0.313	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.268	0.159	-0.04	22.06	23.00	0.333	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.407	0.268	-0.19	23.99	25.00	0.514	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.378	0.248	-0.11	23.99	25.00	0.477	Battery 1#	/
Front Side	15mm	1413/1732.6	RMC	0.404	0.267	-0.17	23.99	25.00	0.510	Battery 2#	/
Front Side	15mm	1312/1712.4	RMC	0.371	0.234	-0.16	24.13	25.00	0.453	Battery 1#	/
Front Side	15mm	1513/1752.6	RMC	0.364	0.240	-0.17	24.04	25.00	0.454	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	1413/1732.6	RMC	0.087	0.052	-0.13	22.03	23.00	0.109	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.199	0.129	0.08	23.99	25.00	0.251	Battery 1#	/

Table 149: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	19.00	0.125	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	19.00	0.360	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	19.00	0.060	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.294	0.163	0.01	18.06	19.00	0.365	Battery 1#	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	19.00	0.363	Battery 2#	/
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	19.00	0.332	Battery 1#	/
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	19.00	0.351	Battery 1#	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	22.00	0.389	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	22.00	0.512	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	22.00	0.085	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.542	0.312	0.07	20.99	22.00	0.684	Battery 1#	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	22.00	0.638	Battery 2#	/
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	22.00	0.602	Battery 1#	/
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	22.00	0.330	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	1413/1732.6	RMC	0.125	0.067	-0.13	18.06	19.00	0.155	Battery 1#	/
Main Antenna											
Bottom Side	10mm	1413/1732.6	RMC	0.173	0.101	-0.09	20.99	22.00	0.218	Battery 1#	/

Table 150: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g 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:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	23.00	0.315	Yes
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	23.00	0.904	Yes
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	23.00	0.150	Yes
Top Side	10mm	1413/1732.6	RMC	0.294	0.163	0.01	18.06	23.00	0.917	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	23.00	0.911	Yes
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	23.00	0.835	Yes
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	23.00	0.881	Yes
Main Antenna										
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	25.00	0.775	Yes
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	25.00	1.022	Yes
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	25.00	0.170	Yes

Bottom Side	10mm	1413/1732.6	RMC	0.542	0.312	0.07	20.99	25.00	1.365	No
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	25.00	1.274	No
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	25.00	1.200	Yes
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	25.00	0.659	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	1413/1732.6	RMC	0.125	0.067	-0.13	18.06	23.00	0.390	Yes
Main Antenna										
Bottom Side	10mm	1413/1732.6	RMC	0.173	0.101	-0.09	20.99	25.00	0.436	Yes

Table 151: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Bottom Side for Main antenna

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Main Antenna											
Bottom Side	0mm	1413/1732.6	RMC	3.190	1.430	0.07	20.99	22.00	1.804	Battery 1#	/
Bottom Side	0mm	1413/1732.6	RMC	3.190	1.440	0.09	20.99	22.00	1.817	Battery 2#	Yes
Bottom Side	0mm	1312/1712.4	RMC	3.040	1.400	0.08	21.10	22.00	1.722	Battery 2#	/
Bottom Side	0mm	1513/1752.6	RMC	3.120	1.410	0.08	21.03	22.00	1.763	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Bottom Side	7mm	1413/1732.6	RMC	1.490	0.828	-0.03	23.99	25.00	1.045	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Main Antenna											
Bottom Side	0mm	1413/1732.6	RMC	0.996	0.452	-0.10	20.99	22.00	0.570	Battery 2#	/

Table 152: Product Specific 10-g SAR test results of UMTS Band IV

7.2.5 SAR measurement Result of UMTS Band V

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	4182/836.4	RMC	0.214	0.107	0.00	17.80	18.20	0.235	Battery 1#	/
Left tilt	4182/836.4	RMC	0.183	0.087	-0.04	17.80	18.20	0.201	Battery 1#	/
Right cheek	4182/836.4	RMC	0.228	0.123	-0.06	17.80	18.20	0.250	Battery 1#	/
Right tilt	4182/836.4	RMC	0.225	0.113	-0.03	17.80	18.20	0.247	Battery 1#	/
Right cheek	4182/836.4	RMC	0.243	0.129	-0.14	17.80	18.20	0.266	Battery 2#	/
Right cheek	4132/826.4	RMC	0.207	0.109	-0.02	17.76	18.20	0.229	Battery 2#	/
Right cheek	4233/846.6	RMC	0.257	0.137	-0.09	17.81	18.20	0.281	Battery 2#	Yes
Main Antenna										
Left cheek	4182/836.4	RMC	0.102	0.072	-0.09	24.39	25.00	0.117	Battery 1#	/
Left tilt	4182/836.4	RMC	0.052	0.040	0.03	24.39	25.00	0.060	Battery 1#	/
Right cheek	4182/836.4	RMC	0.111	0.088	0.05	24.39	25.00	0.128	Battery 1#	/
Right tilt	4182/836.4	RMC	0.049	0.038	0.15	24.39	25.00	0.056	Battery 1#	/
Right cheek	4182/836.4	RMC	0.110	0.088	-0.17	24.39	25.00	0.127	Battery 2#	/
Right cheek	4132/826.4	RMC	0.123	0.098	0.05	24.40	25.00	0.141	Battery 1#	Yes
Right cheek	4233/846.6	RMC	0.087	0.069	0.07	24.34	25.00	0.101	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	4233/846.6	RMC	0.257	0.125	0.12	17.81	18.20	0.281	Battery 2#	/
Main Antenna										
Right cheek	4132/826.4	RMC	0.044	0.035	0.01	24.40	25.00	0.051	Battery 1#	/

Table 153: Head SAR test results of UMTS Band V

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	4182/836.4	RMC	0.137	0.093	-0.05	24.30	24.70	0.150	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.124	-0.06	24.30	24.70	0.195	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.123	-0.16	24.30	24.70	0.195	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.135	0.094	-0.10	24.30	24.70	0.148	Battery 1#	/
Back Side	15mm	4233/846.6	RMC	0.185	0.129	-0.10	24.28	24.70	0.204	Battery 1#	Yes
Main Antenna											
Front Side	15mm	4182/836.4	RMC	0.211	0.145	-0.02	24.39	25.00	0.243	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.284	0.203	-0.02	24.39	25.00	0.327	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.290	0.207	0.02	24.39	25.00	0.334	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.321	0.232	-0.07	24.40	25.00	0.369	Battery 2#	Yes
Back Side	15mm	4233/846.6	RMC	0.231	0.165	-0.01	24.34	25.00	0.269	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	4233/846.6	RMC	0.167	0.116	-0.04	24.28	24.70	0.184	Battery 1#	/
Main Antenna											
Back Side	15mm	4132/826.4	RMC	0.090	0.065	-0.13	24.40	25.00	0.104	Battery 2#	/

Table 154: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	21.70	0.149	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	21.70	0.166	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	21.70	0.090	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	21.70	0.015	Battery 1#	/
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	21.70	0.126	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	21.70	0.167	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	21.70	0.139	Battery 2#	/
Back Side	10mm	4233/846.6	RMC	0.174	0.109	-0.09	21.27	21.70	0.192	Battery 2#	Yes
Main Antenna											
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.375	0.219	-0.02	24.39	25.00	0.432	Battery 1#	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Battery 1#	/
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Battery 1#	/
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	4233/846.6	RMC	0.123	0.071	-0.09	21.27	21.70	0.136	Battery 2#	/
Main Antenna											
Back Side	10mm	4182/836.4	RMC	0.139	0.099	-0.15	24.39	25.00	0.160	Battery 1#	/

Table 155: Hotspot SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	24.70	0.298	Yes
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	24.70	0.330	Yes
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	24.70	0.179	Yes
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	24.70	0.030	Yes
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	24.70	0.252	Yes
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	24.70	0.333	Yes
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	24.70	0.277	Yes
Back Side	10mm	4233/846.6	RMC	0.174	0.109	-0.09	21.27	24.70	0.383	Yes
Main Antenna										
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Yes
Back Side	10mm	4182/836.4	RMC	0.375	0.219	-0.02	24.39	25.00	0.432	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Yes
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Yes
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Yes
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Yes
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	4233/846.6	RMC	0.123	0.071	-0.09	21.27	24.70	0.271	Yes
Main Antenna										
Back Side	10mm	4182/836.4	RMC	0.139	0.099	-0.15	24.39	25.00	0.160	Yes

Table 156: Product Specific 10-g SAR test reduction evaluation of UMTS Band V

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

7.2.6 SAR measurement Result of LTE Band 2

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	19100/1900	20M QPSK 1RB#99	0.120	0.059	-0.16	15.37	16.70	0.163	Battery 1#	/
Left tilt	19100/1900	20M QPSK 1RB#99	0.148	0.072	-0.16	15.37	16.70	0.201	Battery 1#	/
Right cheek	19100/1900	20M QPSK 1RB#99	0.218	0.103	0.01	15.37	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 1RB#99	0.264	0.119	-0.03	15.37	16.70	0.359	Battery 1#	/
Left cheek	19100/1900	20M QPSK 50%RB#50	0.091	0.052	-0.02	15.63	16.70	0.116	Battery 1#	/
Left tilt	19100/1900	20M QPSK 50%RB#50	0.159	0.078	-0.01	15.63	16.70	0.203	Battery 1#	/
Right cheek	19100/1900	20M QPSK 50%RB#50	0.231	0.109	0.11	15.63	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 50%RB#50	0.289	0.131	-0.03	15.63	16.70	0.370	Battery 1#	Yes
Right tilt	19100/1900	20M QPSK 50%RB#50	0.217	0.105	-0.02	15.63	16.70	0.278	Battery 2#	/
Right tilt	18700/1860	20M QPSK 50%RB#0	0.269	0.131	0.00	15.57	16.70	0.349	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#50	0.275	0.134	0.02	15.60	16.70	0.354	Battery 1#	/
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.125	0.080	-0.04	23.23	24.70	0.175	Battery 1#	/
Left tilt	18700/1860	20M QPSK 1RB#0	0.067	0.038	0.01	23.23	24.70	0.095	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.118	0.077	-0.07	23.23	24.70	0.166	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#0	0.066	0.037	-0.01	23.23	24.70	0.093	Battery 1#	/
Left cheek	18700/1860	20M QPSK 50%RB#25	0.094	0.057	-0.13	22.56	23.70	0.122	Battery 1#	/
Left tilt	18700/1860	20M QPSK 50%RB#25	0.065	0.036	-0.02	22.56	23.70	0.085	Battery 1#	/
Right cheek	18700/1860	20M QPSK 50%RB#25	0.100	0.058	0.05	22.56	23.70	0.130	Battery 1#	/
Right tilt	18700/1860	20M QPSK 50%RB#25	0.059	0.034	0.04	22.56	23.70	0.077	Battery 1#	/
Left cheek	18700/1860	20M QPSK 1RB#0	0.110	0.073	-0.07	23.23	24.70	0.154	Battery 2#	/
Left cheek	18900/1880	20M QPSK 1RB#50	0.118	0.078	-0.16	23.22	24.70	0.166	Battery 1#	/
Left cheek	19100/1900	20M QPSK 1RB#0	0.120	0.079	-0.02	23.16	24.70	0.171	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	19100/1900	20M QPSK 50%RB#50	0.254	0.119	-0.12	15.63	16.70	0.325	Battery 1#	/
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.183	0.096	-0.16	23.23	24.70	0.257	Battery 1#	Yes

Table 157: Head SAR test results of LTE Band 2

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#99	0.026	0.014	0.03	20.36	21.70	0.036	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#99	0.085	0.051	0.14	20.36	21.70	0.116	Battery 1#	/
Front Side	15mm	18700/1860	20M QPSK 50%RB#0	0.032	0.017	-0.06	20.64	21.70	0.040	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.098	0.058	0.17	20.64	21.70	0.126	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.132	0.077	-0.02	20.64	21.70	0.168	Battery 2#	Yes
Back Side	15mm	18900/1880	20M QPSK 50%RB#0	0.109	0.064	-0.02	20.58	21.70	0.141	Battery 2#	/
Back Side	15mm	19100/1900	20M QPSK 50%RB#0	0.087	0.049	0.00	20.55	21.70	0.113	Battery 2#	/
Main Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.165	0.103	-0.04	23.23	24.70	0.231	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.262	0.171	-0.13	23.23	24.70	0.368	Battery 1#	Yes
Front Side	15mm	18700/1860	20M QPSK 50%RB#25	0.152	0.095	-0.10	22.56	23.70	0.198	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#25	0.204	0.123	-0.02	22.56	23.70	0.265	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.244	0.159	-0.15	23.23	24.70	0.342	Battery 2#	/
Back Side	15mm	18900/1880	20M QPSK 1RB#50	0.260	0.168	-0.02	23.22	24.70	0.366	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#0	0.244	0.134	-0.11	23.16	24.70	0.348	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.095	0.055	-0.12	20.64	21.70	0.121	Battery 2#	/
Main Antenna											
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.164	0.098	-0.09	23.23	24.70	0.230	Battery 1#	/

Table 158: Body-Worn SAR test results of LTE Band 2