

## Appendix C. Conducted Power Test Results

### 1. Conducted power test results

For the measurements, Radio Communication Tester was used.

Note: The Radio Communication Tester measures GSM peak and average output power for active timeslots. For SAR the time-based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.1	1:2.77	1:2.08
Time-based avg. power compared to slotted avg. power	-9.19dB	-6.13dB	-4.42dB	-3.18dB

The signalling modes differ as follows:

mode	coding scheme	modulation
GPRS	CS1 to CS4	GMSK
EDGE	MCS1 to MCS4	GMSK
EDGE	MCS5 to MCS9	8PSK

Apart from modulation change (GMSK/8PSK) coding schemes differ in code rate without influence on the RF signal. Therefore one coding scheme per mode was selected for conducted power measurements.

The Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing.

The Radio Communication Tester measures LTE TDD peak and average output power for active timeslots. LTE TDD peak and average output power for active timeslots. For SAR the time-based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

No. of Configuration	0	1	2	3	4	5	6
Duty Cycle	0.6333	0.4333	0.2333	0.3167	0.2167	0.1167	0.5333
Time-based avg. power compared to slotted avg. power	-1.98dB	-3.63dB	-6.32dB	-4.99dB	-6.64dB	-9.33 dB	-2.73dB

Note: According to duty cycle of configuration 0 to 6, Max output power should be Configuration 0, so we just tested the conduction power and SAR of configuration 0.

## 1.1. Conducted power of GSM 900(Second antenna)

GSM900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	975CH	37CH	124CH		Tune-up	975CH	37CH	124CH
		Max.					Max.			
GSM (CS)		27.50	<b>26.06</b>	<b>26.26</b>	<b>26.35</b>	-9.19	18.31	16.87	17.07	17.16
GPRS (GMSK)	1 Tx Slot	27.50	26.05	26.26	26.36	-9.19	18.31	16.86	17.07	17.17
	2 Tx Slots	25.50	24.27	24.35	24.36	-6.13	19.37	18.14	18.22	18.23
	3 Tx Slots	23.50	22.25	22.31	22.36	-4.42	19.08	17.83	17.89	17.94
	4 Tx Slots	21.50	20.32	20.42	20.39	-3.18	18.32	17.14	17.24	17.21
EDGE (GMSK)	1 Tx Slot	27.50	26.07	26.28	26.38	-9.19	18.31	16.88	17.09	17.19
	2 Tx Slots	25.50	24.27	24.36	24.35	-6.13	19.37	18.14	18.23	18.22
	3 Tx Slots	23.50	22.26	22.33	22.45	-4.42	19.08	17.84	17.91	18.03
	4 Tx Slots	21.50	20.36	20.38	20.41	-3.18	18.32	17.18	17.20	17.23
EDGE (8PSK)	1 Tx Slot	21.00	19.71	19.93	20.34	-9.19	11.81	10.52	10.74	11.15
	2 Tx Slots	19.00	17.72	17.89	18.10	-6.13	12.87	11.59	11.76	11.97
	3 Tx Slots	17.00	15.66	15.83	15.59	-4.42	12.58	11.24	11.41	11.17
	4 Tx Slots	15.00	13.50	13.93	14.00	-3.18	11.82	10.32	10.75	10.82

Table 1: Conducted power test results of GSM 900 (Receiver ON)

GSM900		Burst -Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up	975CH	37CH	124CH		Tune-up	975CH	37CH	124CH
		Max.					Max.			
GSM (CS)		29.00	27.33	27.73	27.80	-9.19	19.81	18.14	18.54	18.61
GPRS (GMSK)	1 Tx Slot	29.00	27.34	27.73	27.80	-9.19	19.81	18.15	18.54	18.61
	2 Tx Slots	27.00	<b>25.55</b>	<b>25.74</b>	<b>25.49</b>	-6.13	20.87	19.42	19.61	19.36
	3 Tx Slots	25.00	23.36	23.85	23.88	-4.42	20.58	18.94	19.43	19.46
	4 Tx Slots	23.00	21.72	21.51	21.85	-3.18	19.82	18.54	18.33	18.67
EDGE (GMSK)	1 Tx Slot	29.00	27.34	27.74	27.80	-9.19	19.81	18.15	18.55	18.61
	2 Tx Slots	27.00	25.55	25.71	25.45	-6.13	20.87	19.42	19.58	19.32
	3 Tx Slots	25.00	23.43	23.82	23.84	-4.42	20.58	19.01	19.40	19.42
	4 Tx Slots	23.00	21.71	21.51	21.81	-3.18	19.82	18.53	18.33	18.63
EDGE (8PSK)	1 Tx Slot	22.50	20.95	21.26	21.49	-9.19	13.31	11.76	12.07	12.30
	2 Tx Slots	20.50	19.02	19.22	19.09	-6.13	14.37	12.89	13.09	12.96
	3 Tx Slots	18.50	17.06	17.01	17.48	-4.42	14.08	12.64	12.59	13.06
	4 Tx Slots	16.50	14.94	15.22	14.79	-3.18	13.32	11.76	12.04	11.61

Table 2: Conducted power test results of GSM 900 (Receiver OFF)

Note:

- 1) The conducted power of GSM 900 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

## 1.2. Conducted power of GSM 850(Main antenna)

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	128CH	190CH	251CH		Tune-up Max.	128CH	190CH	251CH
GSM (CS)		31.00	29.69	<b>29.68</b>	29.52	-9.19	21.81	20.50	20.49	20.33
GPRS (GMSK)	1 Tx Slot	31.00	29.70	29.69	29.53	-9.19	21.81	20.51	20.50	20.34
	2 Tx Slots	28.00	26.67	26.68	26.52	-6.13	21.87	20.54	20.55	20.39
	3 Tx Slots	26.20	24.85	24.89	24.76	-4.42	21.78	20.43	20.47	20.34
	4 Tx Slots	25.00	23.65	23.70	23.56	-3.18	21.82	20.47	20.52	20.38
EDGE (GMSK)	1 Tx Slot	31.00	29.70	29.70	29.53	-9.19	21.81	20.51	20.51	20.34
	2 Tx Slots	28.00	26.67	26.68	26.52	-6.13	21.87	20.54	20.55	20.39
	3 Tx Slots	26.20	24.85	24.89	24.76	-4.42	21.78	20.43	20.47	20.34
	4 Tx Slots	25.00	23.64	23.69	23.57	-3.18	21.82	20.46	20.51	20.39
EDGE (8PSK)	1 Tx Slot	24.30	23.33	23.27	23.27	-9.19	15.11	14.14	14.08	14.08
	2 Tx Slots	22.30	21.37	21.04	21.13	-6.13	16.17	15.24	14.91	15.00
	3 Tx Slots	20.30	18.96	19.33	18.92	-4.42	15.88	14.54	14.91	14.50
	4 Tx Slots	19.30	18.19	17.95	17.93	-3.18	16.12	15.01	14.77	14.75

Table 3: Conducted power test results of GSM 850 (Receiver ON/Receiver ON+Hotspot ON)

GSM850		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	128CH	190CH	251CH		Tune-up Max.	128CH	190CH	251CH
GSM (CS)		34.00	32.68	32.65	32.47	-9.19	24.81	23.49	23.46	23.28
GPRS (GMSK)	1 Tx Slot	34.00	32.69	32.66	32.48	-9.19	24.81	23.50	23.47	23.29
	2 Tx Slots	31.00	29.67	<b>29.66</b>	29.50	-6.13	24.87	23.54	23.53	23.37
	3 Tx Slots	29.20	27.81	27.82	27.67	-4.42	24.78	23.39	23.40	23.25
	4 Tx Slots	28.00	26.59	26.62	26.45	-3.18	24.82	23.41	23.44	23.27
EDGE (GMSK)	1 Tx Slot	34.00	32.69	32.66	32.48	-9.19	24.81	23.50	23.47	23.29
	2 Tx Slots	31.00	29.68	29.67	29.51	-6.13	24.87	23.55	23.54	23.38
	3 Tx Slots	29.20	27.81	27.83	27.67	-4.42	24.78	23.39	23.41	23.25
	4 Tx Slots	28.00	26.59	26.61	26.45	-3.18	24.82	23.41	23.43	23.27
EDGE (8PSK)	1 Tx Slot	27.30	26.50	26.12	26.07	-9.19	18.11	17.31	16.93	16.88
	2 Tx Slots	25.30	24.35	24.48	24.17	-6.13	19.17	18.22	18.35	18.04
	3 Tx Slots	23.30	22.36	22.45	22.31	-4.42	18.88	17.94	18.03	17.89
	4 Tx Slots	22.30	20.66	20.75	21.20	-3.18	19.12	17.48	17.57	18.02

Table 4: Conducted power test results of GSM 850 (Receiver OFF/Receiver OFF+Hotspot ON)

Note:

- 1) The conducted power of GSM 850 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

### 1.3. Conducted power of PCS 1900(Main antenna)

PCS 1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	512CH	661CH	810CH		Tune-up Max.	512CH	661CH	810CH
GSM (CS)		27.50	26.15	<b>26.22</b>	26.25	-9.19	18.31	16.96	17.03	17.06
GPRS (GMSK)	1 Tx Slot	27.50	26.16	26.22	26.25	-9.19	18.31	16.97	17.03	17.06
	2 Tx Slots	24.50	23.14	23.25	23.27	-6.13	18.37	17.01	17.12	17.14
	3 Tx Slots	22.70	21.37	21.47	21.64	-4.42	18.28	16.95	17.05	17.22
	4 Tx Slots	21.50	20.23	20.34	20.39	-3.18	18.32	17.05	17.16	17.21
EDGE (GMSK)	1 Tx Slot	27.50	26.15	26.23	26.25	-9.19	18.31	16.96	17.04	17.06
	2 Tx Slots	24.50	23.14	23.26	23.27	-6.13	18.37	17.01	17.13	17.14
	3 Tx Slots	22.70	21.37	21.47	21.50	-4.42	18.28	16.95	17.05	17.08
	4 Tx Slots	21.50	20.23	20.34	20.39	-3.18	18.32	17.05	17.16	17.21
EDGE (8PSK)	1 Tx Slot	23.50	22.33	21.94	22.22	-9.19	14.31	13.14	12.75	13.03
	2 Tx Slots	21.50	20.09	19.66	20.10	-6.13	15.37	13.96	13.53	13.97
	3 Tx Slots	19.50	17.71	17.70	17.81	-4.42	15.08	13.29	13.28	13.39
	4 Tx Slots	18.50	16.54	16.70	16.66	-3.18	15.32	13.36	13.52	13.48

Table 5: Conducted power test results of PCS 1900 (Receiver ON/Receiver ON+ Hotspot ON)

PCS 1900		Burst-Averaged output Power (dBm)				Division Factors	Frame-Averaged output Power (dBm)			
		Tune-up Max.	512CH	661CH	810CH		Tune-up Max.	512CH	661CH	810CH
GSM (CS)		31.00	29.69	29.70	29.65	-9.19	21.81	20.50	20.51	20.46
GPRS (GMSK)	1 Tx Slot	31.00	29.70	29.71	29.65	-9.19	21.81	20.51	20.52	20.46
	2 Tx Slots	28.00	26.63	<b>26.85</b>	26.85	-6.13	21.87	20.50	20.72	20.72
	3 Tx Slots	26.20	24.99	25.08	25.10	-4.42	21.78	20.57	20.66	20.68
	4 Tx Slots	25.00	23.75	23.86	23.87	-3.18	21.82	20.57	20.68	20.69
EDGE (GMSK)	1 Tx Slot	31.00	29.69	29.71	29.65	-9.19	21.81	20.50	20.52	20.46
	2 Tx Slots	28.00	26.63	26.72	26.86	-6.13	21.87	20.50	20.59	20.73
	3 Tx Slots	26.20	24.99	25.08	25.10	-4.42	21.78	20.57	20.66	20.68
	4 Tx Slots	25.00	23.75	23.86	23.87	-3.18	21.82	20.57	20.68	20.69
EDGE (8PSK)	1 Tx Slot	27.00	25.28	25.05	25.84	-9.19	17.81	16.09	15.86	16.65
	2 Tx Slots	25.00	23.70	23.33	23.72	-6.13	18.87	17.57	17.20	17.59
	3 Tx Slots	23.00	21.18	21.18	21.06	-4.42	18.58	16.76	16.76	16.64
	4 Tx Slots	22.00	20.07	20.09	20.27	-3.18	18.82	16.89	16.91	17.09

Table 6: Conducted power test results of PCS 1900 (Receiver OFF/Receiver OFF+ Hotspot ON)

Note:

- 1) The conducted power of PCS 1900 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

## 1.4. Conducted power of UMTS Band II(Main antenna)

UMTS Band II		Tune-up	Average Power (dBm)		
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	17.50	<b>16.56</b>	<b>16.42</b>	<b>16.36</b>
	12.2kbps AMR	17.50	16.58	16.46	16.36
HSDPA	Subtest 1	17.00	16.02	15.93	15.85
	Subtest 2	17.00	16.04	15.95	15.85
	Subtest 3	16.50	15.56	15.43	15.37
	Subtest 4	16.50	15.55	15.43	15.38
HSUPA	Subtest 1	16.00	15.12	14.69	14.71
	Subtest 2	14.00	11.78	12.38	11.97
	Subtest 3	15.00	12.93	13.14	12.95
	Subtest 4	14.00	12.43	12.72	12.36
	Subtest 5	16.00	15.10	14.98	14.90
DC-HSDPA	Subtest 1	17.00	16.06	15.94	15.89
	Subtest 2	17.00	16.08	15.95	15.89
	Subtest 3	16.50	15.56	15.46	15.35
	Subtest 4	16.50	15.53	15.46	15.35

Table 7: Conducted power test results of UMTS Band II (Receiver ON)

UMTS Band II		Tune-up	Average Power (dBm)		
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	21.00	20.15	<b>20.03</b>	20.04
	12.2kbps AMR	21.00	20.10	20.02	20.00
HSDPA	Subtest 1	20.50	19.64	19.53	19.49
	Subtest 2	20.50	19.62	19.53	19.53
	Subtest 3	20.00	19.14	19.07	19.05
	Subtest 4	20.00	19.16	19.00	19.00
HSUPA	Subtest 1	19.50	18.12	18.10	18.11
	Subtest 2	17.50	15.58	15.67	15.60
	Subtest 3	18.50	16.53	16.43	16.39
	Subtest 4	17.50	15.86	15.85	15.73
	Subtest 5	19.50	18.63	18.52	18.47
DC-HSDPA	Subtest 1	20.50	19.64	19.53	19.50
	Subtest 2	20.50	19.67	19.56	19.53
	Subtest 3	20.00	19.09	19.08	19.00
	Subtest 4	20.00	19.08	19.03	18.98

Table 8: Conducted power test results of UMTS Band II (Receiver OFF)

UMTS Band II		Tune-up	Average Power (dBm)		
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	20.00	19.11	<b>19.04</b>	19.03
	12.2kbps AMR	20.00	19.10	19.02	19.04
HSDPA	Subtest 1	19.50	18.60	18.48	18.44
	Subtest 2	19.50	18.63	18.47	18.42
	Subtest 3	19.00	18.03	18.02	17.92
	Subtest 4	19.00	18.04	17.98	17.91
HSUPA	Subtest 1	18.50	17.14	17.17	17.10
	Subtest 2	16.50	14.71	14.82	14.81
	Subtest 3	17.50	15.55	15.34	15.30
	Subtest 4	16.50	14.84	14.82	14.91
	Subtest 5	18.50	17.58	17.20	17.13
DC-HSDPA	Subtest 1	19.50	18.60	18.49	18.42
	Subtest 2	19.50	18.59	18.52	18.41
	Subtest 3	19.00	18.02	17.96	17.90
	Subtest 4	19.00	18.04	18.02	17.89

Table 9: Conducted power test results of UMTS Band II (Receiver OFF+ Hotspot ON)

UMTS Band II		Tune-up	Average Power (dBm)		
		Max.	9262CH	9400CH	9538CH
WCDMA	12.2kbps RMC	16.50	15.70	15.57	15.48
	12.2kbps AMR	16.50	15.70	15.56	15.54
HSDPA	Subtest 1	16.00	15.16	15.39	15.39
	Subtest 2	16.00	15.52	15.50	15.49
	Subtest 3	15.50	14.70	14.95	14.83
	Subtest 4	15.50	14.69	14.92	14.91
HSUPA	Subtest 1	15.00	13.92	14.03	14.04
	Subtest 2	13.00	11.24	11.26	11.34
	Subtest 3	14.00	12.35	12.26	12.08
	Subtest 4	13.00	12.02	11.87	11.95
	Subtest 5	15.00	14.19	14.07	14.04
DC-HSDPA	Subtest 1	16.00	15.15	15.38	15.39
	Subtest 2	16.00	15.52	15.49	15.48
	Subtest 3	15.50	14.68	14.95	14.82
	Subtest 4	15.50	14.62	14.88	14.90

Table 10: Conducted power test results of UMTS Band II (Receiver ON+ Hotspot ON)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

## 1.5. Conducted power of UMTS Band IV(Main antenna)

UMTS Band IV		Tune-up	Average Power (dBm)		
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	19.00	17.13	<b>17.12</b>	17.09
	12.2kbps AMR	19.00	17.14	17.17	17.06
HSDPA	Subtest 1	18.50	16.62	16.63	16.57
	Subtest 2	18.50	16.62	16.63	16.56
	Subtest 3	18.00	16.14	16.10	16.06
	Subtest 4	18.00	16.12	16.14	16.06
HSUPA	Subtest 1	17.50	15.28	15.56	15.24
	Subtest 2	14.50	13.07	12.88	12.91
	Subtest 3	15.00	13.73	13.65	13.67
	Subtest 4	15.00	13.15	13.48	13.00
	Subtest 5	17.50	15.63	15.69	15.67
DC-HSDPA	Subtest 1	18.50	16.61	16.62	16.59
	Subtest 2	18.50	16.61	16.63	16.55
	Subtest 3	18.00	16.13	16.11	16.05
	Subtest 4	18.00	16.11	16.15	16.06

Table 11: Conducted power test results of UMTS Band IV (Receiver ON)

UMTS Band IV		Tune-up	Average Power (dBm)		
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	23.00	21.21	<b>21.20</b>	21.19
	12.2kbps AMR	23.00	21.24	21.22	21.17
HSDPA	Subtest 1	22.50	20.72	20.70	20.63
	Subtest 2	22.50	20.71	20.69	20.63
	Subtest 3	22.00	20.19	20.22	20.16
	Subtest 4	22.00	20.20	20.19	20.13
HSUPA	Subtest 1	21.50	19.64	19.60	19.48
	Subtest 2	18.50	16.89	16.84	16.93
	Subtest 3	19.00	17.26	17.30	17.29
	Subtest 4	19.00	17.08	17.06	17.07
	Subtest 5	21.50	19.72	19.70	19.66
DC-HSDPA	Subtest 1	22.50	20.72	20.71	20.65
	Subtest 2	22.50	20.72	20.77	20.68
	Subtest 3	22.00	20.18	20.23	20.12
	Subtest 4	22.00	20.21	20.18	20.14

Table 12: Conducted power test results of UMTS Band IV (Receiver OFF)

UMTS Band IV		Tune-up	Average Power (dBm)		
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	21.50	19.66	<b>19.66</b>	19.62
	12.2kbps AMR	21.50	19.68	19.66	19.63
HSDPA	Subtest 1	21.00	19.17	19.15	19.08
	Subtest 2	21.00	19.11	19.14	19.08
	Subtest 3	20.50	18.62	18.60	18.53
	Subtest 4	20.50	18.64	18.63	18.60
HSUPA	Subtest 1	20.00	17.82	17.73	17.83
	Subtest 2	17.00	15.30	15.10	15.22
	Subtest 3	17.50	16.20	16.19	16.37
	Subtest 4	17.50	16.26	16.31	16.32
	Subtest 5	20.00	18.03	18.01	17.94
DC-HSDPA	Subtest 1	21.00	19.16	19.17	19.07
	Subtest 2	21.00	19.12	19.14	19.08
	Subtest 3	20.50	18.63	18.59	18.52
	Subtest 4	20.50	18.63	18.62	18.59

Table 13: Conducted power test results of UMTS Band IV (Receiver OFF+ Hotspot ON)

UMTS Band IV		Tune-up	Average Power (dBm)		
		Max.	1312CH	1413CH	1513CH
WCDMA	12.2kbps RMC	17.50	15.66	15.67	15.62
	12.2kbps AMR	17.50	15.65	15.66	15.60
HSDPA	Subtest 1	17.00	15.16	15.32	15.40
	Subtest 2	17.00	15.56	15.37	15.35
	Subtest 3	16.50	14.65	14.78	14.74
	Subtest 4	16.50	14.64	14.87	14.72
HSUPA	Subtest 1	16.00	14.05	13.84	13.79
	Subtest 2	13.00	11.15	11.33	11.33
	Subtest 3	13.50	12.18	12.19	11.99
	Subtest 4	13.50	11.98	11.94	11.43
	Subtest 5	16.00	14.15	14.16	14.12
DC-HSDPA	Subtest 1	17.00	15.17	15.31	15.39
	Subtest 2	17.00	15.56	15.37	15.34
	Subtest 3	16.50	14.63	14.79	14.72
	Subtest 4	16.50	14.62	14.88	14.71

Table 14: Conducted power test results of UMTS Band IV (Receiver ON+ Hotspot ON)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.



## 1.6. Conducted power of UMTS Band V(Main antenna)

WCDMA Band V		Tune-up	Average Power (dBm)		
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	21.00	19.71	<b>19.64</b>	19.60
	12.2kbps AMR	21.00	19.67	19.65	19.60
HSDPA	Subtest 1	20.50	19.21	19.15	19.11
	Subtest 2	20.50	19.48	19.49	19.38
	Subtest 3	20.00	19.07	19.08	19.00
	Subtest 4	20.00	19.08	19.05	18.99
HSUPA	Subtest 1	19.50	18.59	18.41	18.44
	Subtest 2	17.50	15.55	16.06	16.02
	Subtest 3	18.50	16.92	16.85	16.86
	Subtest 4	17.50	15.38	15.43	15.35
	Subtest 5	19.50	18.18	18.21	18.14
DC-HSDPA	Subtest 1	20.50	19.20	19.16	19.10
	Subtest 2	20.50	19.44	19.45	19.32
	Subtest 3	20.00	19.06	19.08	19.01
	Subtest 4	20.00	19.01	19.02	18.96

Table 15: Conducted power test results of UMTS Band V (Receiver ON/Receiver ON+Hotspot ON)

WCDMA Band V		Tune-up	Average Power (dBm)		
		Max.	4132CH	4182CH	4233CH
WCDMA	12.2kbps RMC	25.50	23.72	<b>23.68</b>	23.64
	12.2kbps AMR	25.50	23.71	23.66	23.62
HSDPA	Subtest 1	25.00	23.20	23.13	23.12
	Subtest 2	25.00	23.50	23.51	23.42
	Subtest 3	24.50	23.11	23.09	23.02
	Subtest 4	24.50	23.12	23.06	23.01
HSUPA	Subtest 1	24.00	22.60	22.59	22.41
	Subtest 2	22.00	20.14	20.16	20.16
	Subtest 3	23.00	20.67	20.68	20.79
	Subtest 4	22.00	19.51	19.52	19.52
	Subtest 5	24.00	22.21	22.19	22.10
DC-HSDPA	Subtest 1	25.00	23.19	23.16	23.09
	Subtest 2	25.00	23.52	23.49	23.39
	Subtest 3	24.50	23.12	23.09	23.01
	Subtest 4	24.50	23.07	23.09	23.01

Table 16: Conducted power test results of UMTS Band V (Receiver OFF/ Receiver OFF+ Hotspot ON)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

## 1.7. Conducted power of LTE Band 2(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	18607CH	18900CH	19193CH	
1.4MHz	QPSK	1	0	18.00	16.58	16.60	16.37	
		1	3	18.00	16.29	16.26	16.04	
		1	5	18.00	16.67	16.60	16.40	
		3	0	18.00	16.60	16.62	16.36	
		3	2	18.00	16.46	16.26	16.34	
		3	3	18.00	16.55	16.36	16.30	
		6	0	18.00	16.56	16.58	16.35	
	16QAM	1	0	18.00	16.83	16.56	16.49	
		1	3	18.00	16.51	16.50	16.41	
		1	5	18.00	16.59	16.46	16.47	
		3	0	18.00	16.59	16.62	16.35	
		3	2	18.00	16.27	16.40	16.08	
		3	3	18.00	16.55	16.36	16.22	
		6	0	18.00	16.56	16.51	16.28	
	64QAM	1	0	18.00	16.72	16.74	16.87	
		1	3	18.00	16.57	16.28	16.34	
		1	5	18.00	17.04	16.84	16.37	
		3	0	18.00	16.64	16.62	16.43	
		3	2	18.00	16.66	16.59	16.30	
		3	3	18.00	16.47	16.57	16.26	
		6	0	18.00	16.43	16.51	16.26	
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
3MHz	QPSK	1	0	18.00	16.60	16.56	16.39	
		1	7	18.00	16.66	16.49	16.39	
		1	14	18.00	16.58	16.48	16.41	
		8	0	18.00	16.60	16.59	16.30	
		8	4	18.00	16.54	16.57	16.16	
		8	7	18.00	16.65	16.57	16.31	
		15	0	18.00	16.57	16.52	16.36	
	16QAM	1	0	18.00	16.71	16.90	16.49	
		1	7	18.00	16.68	16.89	16.54	
		1	14	18.00	16.72	16.68	16.58	
		8	0	18.00	16.54	16.64	16.39	
		8	4	18.00	16.52	16.48	16.33	
		8	7	18.00	16.62	16.48	16.33	
		15	0	18.00	16.58	16.51	16.33	
	64QAM	1	0	18.00	16.80	16.73	16.57	
		1	7	18.00	16.81	16.74	16.48	
		1	14	18.00	16.90	16.77	16.59	
		8	0	18.00	16.49	16.45	16.27	
		8	4	18.00	16.51	16.46	16.38	
		8	7	18.00	16.64	16.52	16.34	
		15	0	18.00	16.56	16.54	16.26	
	Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
					Max.	18615CH	18900CH	19185CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	18.00	16.59	16.58	16.39
		1	13	18.00	16.64	16.60	16.43
		1	24	18.00	16.65	16.56	16.38
		12	0	18.00	16.65	16.68	16.39
		12	6	18.00	16.66	16.62	16.29
		12	13	18.00	16.66	16.64	16.42
		25	0	18.00	16.64	16.59	16.34
	16QAM	1	0	18.00	17.07	16.69	16.72
		1	13	18.00	16.92	16.87	16.92
		1	24	18.00	17.01	16.83	16.71
		12	0	18.00	16.68	16.71	16.37
		12	6	18.00	16.62	16.52	16.26
		12	13	18.00	16.62	16.59	16.40
		25	0	18.00	16.59	16.51	16.26
	64QAM	1	0	18.00	16.94	16.81	16.33
		1	13	18.00	16.92	16.81	16.54
		1	24	18.00	16.82	16.76	16.55
		12	0	18.00	16.66	16.61	16.29
		12	6	18.00	16.63	16.48	16.33
		12	13	18.00	16.63	16.58	16.41
		25	0	18.00	16.51	16.53	16.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	18.00	16.60	16.58	16.36
		1	25	18.00	16.33	15.84	16.11
		1	49	18.00	16.56	16.49	16.29
		25	0	18.00	16.62	16.56	16.38
		25	13	18.00	16.61	16.56	16.35
		25	25	18.00	16.61	16.54	16.30
		50	0	18.00	16.58	16.58	16.33
	16QAM	1	0	18.00	16.47	16.75	16.52
		1	25	18.00	16.47	16.43	16.01
		1	49	18.00	16.70	16.44	16.34
		25	0	18.00	16.61	16.50	16.31
		25	13	18.00	16.54	16.51	16.24
		25	25	18.00	16.55	16.46	16.30
		50	0	18.00	16.57	16.47	16.26
	64QAM	1	0	18.00	16.74	16.84	16.30
		1	25	18.00	16.21	16.36	16.12
		1	49	18.00	16.62	16.49	16.35
		25	0	18.00	16.56	16.55	16.31
		25	13	18.00	16.57	16.57	16.30
		25	25	18.00	16.56	16.55	16.29
		50	0	18.00	16.53	16.49	16.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	18.00	16.41	16.43	16.14
		1	38	18.00	16.66	16.59	16.43
		1	74	18.00	16.41	16.29	16.18
		36	0	18.00	16.62	16.60	16.37
		36	18	18.00	16.62	16.64	16.36
		36	39	18.00	16.63	16.49	16.33
		75	0	18.00	16.65	16.55	16.35
	16QAM	1	0	18.00	16.64	16.74	16.42
		1	38	18.00	16.85	16.75	16.61
		1	74	18.00	16.60	16.49	16.33
		36	0	18.00	16.61	16.50	16.29
		36	18	18.00	16.58	16.52	16.29
		36	39	18.00	16.55	16.50	16.30
		75	0	18.00	16.48	16.48	16.26
	64QAM	1	0	18.00	16.61	16.74	16.38
		1	38	18.00	16.79	16.89	16.52
		1	74	18.00	16.46	16.44	16.34
		36	0	18.00	16.64	16.57	16.28
		36	18	18.00	16.59	16.54	16.32
		36	39	18.00	16.62	16.47	16.35
		75	0	18.00	16.52	16.46	16.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	18.00	16.47	<b>16.49</b>	<b>16.29</b>
		1	50	18.00	16.40	16.18	16.02
		1	99	18.00	<b>16.48</b>	16.36	16.22
		50	0	18.00	16.58	16.53	16.34
		50	25	18.00	<b>16.61</b>	16.54	16.30
		50	50	18.00	16.57	16.44	16.30
		100	0	18.00	<b>16.58</b>	16.53	16.30
	16QAM	1	0	18.00	16.57	16.66	16.50
		1	50	18.00	16.45	16.31	16.26
		1	99	18.00	16.71	16.69	16.23
		50	0	18.00	16.52	16.49	16.24
		50	25	18.00	16.55	16.49	16.26
		50	50	18.00	16.51	16.38	16.26
		100	0	18.00	16.47	16.48	16.24
	64QAM	1	0	18.00	16.67	16.59	16.42
		1	50	18.00	16.35	16.35	16.09
		1	99	18.00	16.67	16.41	16.18
		50	0	18.00	16.55	16.52	16.27
		50	25	18.00	16.54	16.45	16.30
		50	50	18.00	16.51	16.42	16.25
		100	0	18.00	16.45	16.39	16.24

Table 17: Conducted power test results of LTE Band 2 (Receiver ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	21.50	20.17	20.07	19.80
		1	3	21.50	19.86	19.72	19.61
		1	5	21.50	20.23	20.06	19.87
		3	0	21.50	20.17	20.10	19.94
		3	2	21.50	19.71	19.98	19.51
		3	3	21.50	20.17	20.07	19.77
		6	0	21.50	20.08	20.04	19.69
	16QAM	1	0	21.50	20.21	20.02	19.83
		1	3	21.50	19.98	19.72	19.64
		1	5	21.50	20.31	20.08	19.72
		3	0	21.50	20.23	20.00	19.85
		3	2	21.50	19.84	19.76	19.77
		3	3	21.50	19.98	20.07	19.74
		6	0	21.50	19.98	19.93	19.58
	64QAM	1	0	21.50	20.31	20.18	20.03
		1	3	21.50	19.87	19.71	19.68
		1	5	21.50	20.27	20.24	19.91
		3	0	21.50	20.16	20.07	19.69
		3	2	21.50	19.97	20.01	19.79
		3	3	21.50	20.01	19.77	19.74
		6	0	21.50	20.09	19.98	19.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	21.50	20.16	20.05	19.82
		1	7	21.50	20.21	20.05	19.89
		1	14	21.50	20.20	20.02	19.83
		8	0	21.50	20.05	20.04	19.78
		8	4	21.50	20.15	19.99	19.78
		8	7	21.50	20.18	20.04	19.73
		15	0	21.50	20.20	20.10	19.79
	16QAM	1	0	21.50	20.25	20.41	19.86
		1	7	21.50	20.44	20.31	20.13
		1	14	21.50	20.31	20.20	19.88
		8	0	21.50	20.11	20.08	19.87
		8	4	21.50	20.02	19.98	19.81
		8	7	21.50	20.12	19.99	19.72
		15	0	21.50	20.02	20.00	19.73
	64QAM	1	0	21.50	20.24	20.20	20.02
		1	7	21.50	20.27	20.27	20.09
		1	14	21.50	20.29	20.14	19.77
		8	0	21.50	19.96	20.07	19.73
		8	4	21.50	20.04	19.89	19.65
		8	7	21.50	20.10	19.99	19.71
		15	0	21.50	20.01	19.99	19.78

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	21.50	20.21	20.11	19.83
		1	13	21.50	20.16	20.07	19.85
		1	24	21.50	20.15	20.06	19.84
		12	0	21.50	20.23	20.08	19.81
		12	6	21.50	20.21	20.06	19.87
		12	13	21.50	20.22	20.13	19.86
		25	0	21.50	20.13	20.09	19.82
	16QAM	1	0	21.50	20.39	20.40	20.07
		1	13	21.50	20.58	20.34	20.08
		1	24	21.50	20.35	20.19	20.07
		12	0	21.50	20.16	20.04	19.79
		12	6	21.50	20.07	20.12	19.73
		12	13	21.50	20.15	20.08	19.85
		25	0	21.50	20.07	20.06	19.71
	64QAM	1	0	21.50	20.23	20.15	20.03
		1	13	21.50	20.23	20.27	20.03
		1	24	21.50	20.31	20.04	19.93
		12	0	21.50	20.20	20.04	19.85
		12	6	21.50	20.24	20.02	19.86
		12	13	21.50	20.19	20.04	19.95
		25	0	21.50	20.11	20.02	19.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH
10MHz	QPSK	1	0	21.50	20.11	20.08	19.84
		1	25	21.50	19.81	19.66	19.41
		1	49	21.50	20.08	19.94	19.76
		25	0	21.50	20.12	20.07	19.84
		25	13	21.50	20.18	20.06	19.82
		25	25	21.50	20.15	20.06	19.80
		50	0	21.50	20.11	20.04	19.78
	16QAM	1	0	21.50	20.16	20.24	19.74
		1	25	21.50	19.88	19.71	19.71
		1	49	21.50	20.28	20.14	19.74
		25	0	21.50	20.03	20.09	19.82
		25	13	21.50	20.13	20.09	19.77
		25	25	21.50	20.04	19.99	19.75
		50	0	21.50	20.00	19.99	19.73
	64QAM	1	0	21.50	20.21	20.22	19.94
		1	25	21.50	20.12	19.85	19.68
		1	49	21.50	20.31	20.03	19.95
		25	0	21.50	20.14	20.03	19.75
		25	13	21.50	20.09	20.04	19.72
		25	25	21.50	20.13	19.94	19.77
		50	0	21.50	20.04	19.93	19.85

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	21.50	19.99	19.92	19.66
		1	38	21.50	20.13	20.01	19.87
		1	74	21.50	19.91	19.75	19.66
		36	0	21.50	20.12	20.04	19.80
		36	18	21.50	20.20	20.12	19.80
		36	39	21.50	20.18	20.04	19.83
		75	0	21.50	20.14	20.06	19.88
	16QAM	1	0	21.50	20.02	20.10	19.78
		1	38	21.50	20.20	20.31	19.90
		1	74	21.50	20.04	20.06	19.83
		36	0	21.50	20.03	19.95	19.78
		36	18	21.50	20.07	20.05	19.73
		36	39	21.50	20.02	19.95	19.71
		75	0	21.50	20.04	19.98	19.81
	64QAM	1	0	21.50	20.15	20.11	19.66
		1	38	21.50	20.15	20.14	19.99
		1	74	21.50	20.08	19.75	19.76
		36	0	21.50	20.12	20.01	19.88
		36	18	21.50	20.13	20.00	19.75
		36	39	21.50	20.11	19.99	19.80
		75	0	21.50	20.00	19.98	19.78
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
20MHz	QPSK	1	0	21.50	<b>20.07</b>	20.05	19.86
		1	50	21.50	19.85	19.88	19.56
		1	99	21.50	20.04	19.86	19.78
		50	0	21.50	<b>20.19</b>	20.06	19.92
		50	25	21.50	20.18	20.04	19.90
		50	50	21.50	20.17	20.00	19.91
		100	0	21.50	20.12	20.06	19.90
	16QAM	1	0	21.50	20.19	20.28	20.01
		1	50	21.50	19.81	20.00	19.62
		1	99	21.50	20.32	20.01	19.91
		50	0	21.50	20.01	20.00	19.83
		50	25	21.50	20.09	19.99	19.77
		50	50	21.50	20.05	19.94	19.79
		100	0	21.50	20.07	19.98	19.71
	64QAM	1	0	21.50	20.05	20.26	19.97
		1	50	21.50	19.67	19.57	19.67
		1	99	21.50	20.17	19.96	19.79
		50	0	21.50	20.09	19.97	19.77
		50	25	21.50	20.08	19.98	19.81
		50	50	21.50	20.10	19.91	19.79
		100	0	21.50	19.99	19.95	19.77

Table 18: Conducted power test results of LTE Band 2 (Receiver OFF)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	20.00	18.67	18.62	18.35
		1	3	20.00	18.28	18.26	17.94
		1	5	20.00	18.72	18.66	18.41
		3	0	20.00	18.65	18.57	18.32
		3	2	20.00	18.48	18.16	18.30
		3	3	20.00	18.48	18.47	18.31
		6	0	20.00	18.64	18.54	18.36
	16QAM	1	0	20.00	18.61	18.53	18.36
		1	3	20.00	18.30	18.43	18.08
		1	5	20.00	18.82	18.50	18.41
		3	0	20.00	18.52	18.58	18.34
		3	2	20.00	18.42	18.36	18.09
		3	3	20.00	18.41	18.46	18.16
		6	0	20.00	18.54	18.50	18.38
	64QAM	1	0	20.00	18.87	18.86	18.42
		1	3	20.00	18.52	18.33	17.74
		1	5	20.00	18.61	18.51	18.52
		3	0	20.00	18.62	18.59	18.33
		3	2	20.00	18.56	18.43	18.16
		3	3	20.00	18.67	18.41	18.19
		6	0	20.00	18.49	18.38	18.22
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	20.00	18.67	18.62	18.29
		1	7	20.00	18.71	18.55	18.32
		1	14	20.00	18.64	18.58	18.35
		8	0	20.00	18.62	18.45	18.26
		8	4	20.00	18.68	18.51	18.23
		8	7	20.00	18.64	18.47	18.33
		15	0	20.00	18.65	18.53	18.36
	16QAM	1	0	20.00	18.83	18.80	18.59
		1	7	20.00	18.94	18.56	18.46
		1	14	20.00	18.88	18.59	18.49
		8	0	20.00	18.66	18.43	18.33
		8	4	20.00	18.59	18.45	18.24
		8	7	20.00	18.61	18.48	18.28
		15	0	20.00	18.61	18.41	18.26
	64QAM	1	0	20.00	18.48	18.50	18.47
		1	7	20.00	18.89	18.82	18.49
		1	14	20.00	18.62	18.49	18.53
		8	0	20.00	18.41	18.49	18.22
		8	4	20.00	18.55	18.44	18.24
		8	7	20.00	18.70	18.48	18.13
		15	0	20.00	18.59	18.58	18.33



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	20.00	18.60	18.60	18.29
		1	13	20.00	18.67	18.58	18.42
		1	24	20.00	18.68	18.56	18.36
		12	0	20.00	18.73	18.66	18.30
		12	6	20.00	18.68	18.55	18.32
		12	13	20.00	18.68	18.56	18.30
		25	0	20.00	18.70	18.55	18.27
	16QAM	1	0	20.00	18.72	18.94	18.44
		1	13	20.00	19.10	18.95	18.48
		1	24	20.00	19.09	18.87	18.42
		12	0	20.00	18.67	18.54	18.32
		12	6	20.00	18.65	18.54	18.29
		12	13	20.00	18.69	18.49	18.39
		25	0	20.00	18.62	18.45	18.28
	64QAM	1	0	20.00	18.63	18.46	18.24
		1	13	20.00	18.65	18.68	18.24
		1	24	20.00	18.86	18.68	18.59
		12	0	20.00	18.64	18.60	18.37
		12	6	20.00	18.61	18.56	18.31
		12	13	20.00	18.65	18.59	18.33
		25	0	20.00	18.62	18.59	18.30
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	20.00	18.54	18.51	18.34
		1	25	20.00	18.44	18.32	17.98
		1	49	20.00	18.61	18.52	18.27
		25	0	20.00	18.68	18.61	18.26
		25	13	20.00	18.67	18.60	18.28
		25	25	20.00	18.56	18.57	18.24
		50	0	20.00	18.61	18.55	18.33
	16QAM	1	0	20.00	18.74	18.49	18.25
		1	25	20.00	18.34	18.38	18.20
		1	49	20.00	18.51	18.67	18.37
		25	0	20.00	18.60	18.48	18.18
		25	13	20.00	18.53	18.46	18.25
		25	25	20.00	18.59	18.48	18.23
		50	0	20.00	18.58	18.47	18.25
	64QAM	1	0	20.00	18.81	18.74	18.32
		1	25	20.00	18.35	18.36	17.86
		1	49	20.00	18.54	18.62	18.04
		25	0	20.00	18.60	18.57	18.22
		25	13	20.00	18.56	18.57	18.25
		25	25	20.00	18.56	18.47	18.28
		50	0	20.00	18.55	18.50	18.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	20.00	18.45	18.38	18.15
		1	38	20.00	18.61	18.58	18.26
		1	74	20.00	18.42	18.26	18.13
		36	0	20.00	18.61	18.62	18.35
		36	18	20.00	18.65	18.57	18.27
		36	39	20.00	18.64	18.51	18.29
		75	0	20.00	18.56	18.54	18.32
	16QAM	1	0	20.00	18.45	18.54	18.40
		1	38	20.00	18.80	18.61	18.38
		1	74	20.00	18.64	18.46	18.21
		36	0	20.00	18.60	18.52	18.29
		36	18	20.00	18.53	18.53	18.29
		36	39	20.00	18.56	18.46	18.25
		75	0	20.00	18.58	18.45	18.23
	64QAM	1	0	20.00	18.49	18.45	18.12
		1	38	20.00	18.85	18.39	18.54
		1	74	20.00	18.27	18.40	18.17
		36	0	20.00	18.62	18.51	18.30
		36	18	20.00	18.59	18.55	18.29
		36	39	20.00	18.54	18.46	18.26
		75	0	20.00	18.52	18.50	18.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	20.00	<b>18.59</b>	18.55	18.33
		1	50	20.00	18.37	18.23	18.03
		1	99	20.00	18.51	18.37	18.26
		50	0	20.00	<b>18.66</b>	18.56	18.32
		50	25	20.00	18.65	18.50	18.35
		50	50	20.00	18.58	18.46	18.34
		100	0	20.00	18.56	18.56	18.34
	16QAM	1	0	20.00	18.73	18.75	18.65
		1	50	20.00	18.65	18.40	18.05
		1	99	20.00	18.87	18.71	18.58
		50	0	20.00	18.60	18.50	18.26
		50	25	20.00	18.58	18.50	18.28
		50	50	20.00	18.56	18.39	18.26
		100	0	20.00	18.50	18.45	18.22
	64QAM	1	0	20.00	18.78	18.48	18.21
		1	50	20.00	18.33	18.33	17.94
		1	99	20.00	18.69	18.46	18.22
		50	0	20.00	18.60	18.55	18.34
		50	25	20.00	18.60	18.49	18.30
		50	50	20.00	18.56	18.47	18.26
		100	0	20.00	18.54	18.51	18.25

Table 19: Conducted power test results of LTE Band 2 (Receiver OFF+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18607CH	18900CH	19193CH
1.4MHz	QPSK	1	0	16.50	15.13	15.13	14.92
		1	3	16.50	14.75	14.84	14.66
		1	5	16.50	15.20	15.09	15.02
		3	0	16.50	15.28	15.20	14.84
		3	2	16.50	14.99	14.97	14.55
		3	3	16.50	15.10	15.11	14.91
		6	0	16.50	15.21	15.02	14.92
	16QAM	1	0	16.50	15.16	15.17	14.94
		1	3	16.50	15.06	15.09	14.66
		1	5	16.50	15.22	15.22	14.80
		3	0	16.50	15.16	15.04	14.86
		3	2	16.50	15.07	15.08	14.86
		3	3	16.50	15.11	15.11	14.76
		6	0	16.50	15.08	15.03	14.89
	64QAM	1	0	16.50	15.26	15.24	14.96
		1	3	16.50	15.08	14.69	14.66
		1	5	16.50	15.26	15.23	15.07
		3	0	16.50	15.18	15.01	14.84
		3	2	16.50	15.11	14.99	14.96
		3	3	16.50	15.22	14.99	14.85
		6	0	16.50	15.12	15.03	14.87
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18615CH	18900CH	19185CH
3MHz	QPSK	1	0	16.50	15.12	15.13	14.91
		1	7	16.50	15.17	15.07	14.92
		1	14	16.50	15.19	15.12	14.96
		8	0	16.50	15.14	15.05	14.73
		8	4	16.50	15.13	15.06	14.91
		8	7	16.50	15.23	15.03	14.91
		15	0	16.50	15.17	15.03	14.93
	16QAM	1	0	16.50	15.42	15.36	14.95
		1	7	16.50	15.54	15.20	14.98
		1	14	16.50	15.20	15.35	14.95
		8	0	16.50	15.18	15.11	14.93
		8	4	16.50	15.05	15.04	14.92
		8	7	16.50	15.13	14.99	14.86
		15	0	16.50	15.03	15.05	14.78
	64QAM	1	0	16.50	15.23	15.37	15.04
		1	7	16.50	15.32	15.35	15.16
		1	14	16.50	15.37	15.23	15.03
		8	0	16.50	15.12	15.03	14.81
		8	4	16.50	15.23	15.19	14.76
		8	7	16.50	15.08	15.03	14.76
		15	0	16.50	15.18	14.98	14.77

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18625CH	18900CH	19175CH
5MHz	QPSK	1	0	16.50	15.20	15.22	15.00
		1	13	16.50	15.20	15.23	14.90
		1	24	16.50	15.23	15.10	14.99
		12	0	16.50	15.27	15.18	14.89
		12	6	16.50	15.21	15.09	14.83
		12	13	16.50	15.27	15.11	14.92
		25	0	16.50	15.14	15.07	14.83
	16QAM	1	0	16.50	15.30	15.60	15.11
		1	13	16.50	15.53	15.28	15.26
		1	24	16.50	15.43	15.15	14.97
		12	0	16.50	15.18	15.09	14.79
		12	6	16.50	15.15	15.14	14.78
		12	13	16.50	15.15	15.13	14.86
		25	0	16.50	15.14	15.04	14.89
	64QAM	1	0	16.50	15.49	15.13	14.89
		1	13	16.50	15.22	15.33	15.12
		1	24	16.50	15.31	15.31	15.04
		12	0	16.50	15.22	15.11	14.86
		12	6	16.50	15.16	15.11	14.71
		12	13	16.50	15.29	15.08	14.87
		25	0	16.50	15.13	15.10	14.84
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	16.50	15.16	15.18	14.93
		1	25	16.50	14.76	14.46	14.60
		1	49	16.50	15.15	15.03	14.88
		25	0	16.50	15.21	15.13	14.91
		25	13	16.50	15.19	15.03	14.85
		25	25	16.50	15.16	15.03	14.89
		50	0	16.50	15.17	15.04	14.87
	16QAM	1	0	16.50	15.31	15.12	15.02
		1	25	16.50	14.88	14.95	14.62
		1	49	16.50	15.22	15.16	14.90
		25	0	16.50	15.15	15.02	14.82
		25	13	16.50	15.14	15.04	14.77
		25	25	16.50	15.11	15.02	14.86
		50	0	16.50	15.12	15.05	14.75
	64QAM	1	0	16.50	15.34	15.19	14.99
		1	25	16.50	14.95	14.90	14.60
		1	49	16.50	15.28	15.29	15.03
		25	0	16.50	15.11	15.11	14.81
		25	13	16.50	15.21	15.13	14.83
		25	25	16.50	15.16	15.00	14.81
		50	0	16.50	15.08	15.06	14.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18650CH	18900CH	19150CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18675CH	18900CH	19125CH
15MHz	QPSK	1	0	16.50	15.02	15.01	14.70
		1	38	16.50	15.12	15.12	14.83
		1	74	16.50	14.97	14.86	14.69
		36	0	16.50	15.15	15.14	14.86
		36	18	16.50	15.19	15.09	14.87
		36	39	16.50	15.22	15.03	14.93
		75	0	16.50	15.15	15.07	14.81
	16QAM	1	0	16.50	15.20	15.14	14.87
		1	38	16.50	15.41	15.44	14.89
		1	74	16.50	15.21	15.01	14.90
		36	0	16.50	15.16	15.02	14.78
		36	18	16.50	15.15	15.02	14.80
		36	39	16.50	15.09	15.02	14.85
		75	0	16.50	15.06	15.04	14.85
	64QAM	1	0	16.50	15.22	15.08	14.96
		1	38	16.50	15.35	15.25	14.97
		1	74	16.50	15.16	15.11	14.91
		36	0	16.50	15.13	15.06	14.80
		36	18	16.50	15.19	15.10	14.83
		36	39	16.50	15.15	14.97	14.85
		75	0	16.50	15.08	15.00	14.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	18700CH	18900CH	19100CH
20MHz	QPSK	1	0	16.50	15.08	15.02	14.83
		1	50	16.50	14.97	14.87	14.60
		1	99	16.50	15.01	14.94	14.68
		50	0	16.50	15.19	15.12	14.88
		50	25	16.50	15.17	15.05	14.85
		50	50	16.50	15.16	15.02	14.79
		100	0	16.50	15.12	15.00	14.81
	16QAM	1	0	16.50	15.17	15.29	14.90
		1	50	16.50	15.08	14.94	14.95
		1	99	16.50	15.56	15.14	14.97
		50	0	16.50	15.11	15.01	14.73
		50	25	16.50	15.09	15.03	14.80
		50	50	16.50	15.05	14.93	14.77
		100	0	16.50	15.06	14.93	14.74
	64QAM	1	0	16.50	15.13	15.11	15.06
		1	50	16.50	14.90	14.81	14.52
		1	99	16.50	15.09	15.02	14.64
		50	0	16.50	15.11	15.06	14.85
		50	25	16.50	15.11	15.03	14.85
		50	50	16.50	15.09	14.93	14.77
		100	0	16.50	15.02	14.95	14.76

Table 20: Conducted power test results of LTE Band 2 (Receiver ON+ Hotspot ON)

Note: The conducted power of LTE Band 2 is measured with RMS detector.

## 1.8. Conducted power of LTE Band 5(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	20407CH	20525CH	20643CH	
1.4MHz	QPSK	1	0	22.00	20.87	20.76	20.77	
		1	3	22.00	20.42	20.41	20.55	
		1	5	22.00	20.74	20.76	20.73	
		3	0	22.00	20.70	20.76	20.74	
		3	2	22.00	20.66	20.65	20.41	
		3	3	22.00	20.71	20.58	20.66	
	16QAM	1	0	22.00	20.87	20.99	20.72	
		1	3	22.00	20.50	20.52	20.64	
		1	5	22.00	20.95	20.84	21.05	
		3	0	22.00	20.75	20.79	20.82	
		3	2	22.00	20.53	20.54	20.60	
		3	3	22.00	20.82	20.74	20.61	
	64QAM	1	0	22.00	20.91	20.89	20.72	
		1	3	22.00	20.50	20.77	20.53	
		1	5	22.00	20.81	20.78	20.72	
		3	0	22.00	20.66	20.73	20.65	
		3	2	22.00	20.66	20.70	20.70	
		3	3	22.00	20.64	20.66	20.64	
	3MHz	QPSK	1	0	22.00	20.95	20.74	20.79
			1	7	22.00	20.86	20.80	20.77
			1	14	22.00	20.87	20.81	20.78
8			0	22.00	20.93	20.74	20.67	
8			4	22.00	20.76	20.70	20.66	
8			7	22.00	20.91	20.79	20.63	
15			0	22.00	20.91	20.84	20.68	
16QAM		1	0	22.00	21.21	20.86	20.95	
		1	7	22.00	21.21	21.01	20.80	
		1	14	22.00	20.92	20.82	20.89	
		8	0	22.00	20.82	20.67	20.77	
		8	4	22.00	20.81	20.63	20.63	
		8	7	22.00	20.86	20.73	20.63	
		15	0	22.00	20.86	20.78	20.66	
64QAM		1	0	22.00	20.90	21.03	21.09	
		1	7	22.00	21.10	20.94	20.90	
		1	14	22.00	20.92	20.76	20.99	
		8	0	22.00	20.82	20.75	20.74	
		8	4	22.00	20.83	20.63	20.68	
		8	7	22.00	20.83	20.78	20.59	
		15	0	22.00	20.86	20.74	20.74	

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	22.00	20.96	20.86	20.72
		1	13	22.00	20.86	20.78	20.82
		1	24	22.00	20.85	20.79	20.80
		12	0	22.00	20.97	20.87	20.89
		12	6	22.00	20.81	20.86	20.79
		12	13	22.00	20.80	20.72	20.74
		25	0	22.00	20.86	20.73	20.75
	16QAM	1	0	22.00	21.03	20.97	20.98
		1	13	22.00	20.88	20.87	20.89
		1	24	22.00	21.13	21.14	21.02
		12	0	22.00	20.99	20.93	20.88
		12	6	22.00	20.78	20.78	20.76
		12	13	22.00	20.78	20.76	20.82
		25	0	22.00	20.85	20.66	20.72
	64QAM	1	0	22.00	21.03	21.01	20.83
		1	13	22.00	20.92	20.89	20.82
		1	24	22.00	20.81	20.88	21.00
		12	0	22.00	20.81	20.83	20.88
		12	6	22.00	20.87	20.69	20.82
		12	13	22.00	20.85	20.77	20.81
		25	0	22.00	20.81	20.76	20.68
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	22.00	<b>20.76</b>	20.74	20.60
		1	25	22.00	20.09	20.49	20.40
		1	49	22.00	20.76	20.66	20.52
		25	0	22.00	<b>20.86</b>	20.84	20.65
		25	13	22.00	20.75	20.67	20.74
		25	25	22.00	20.70	20.62	20.65
		50	0	22.00	20.81	20.64	20.65
	16QAM	1	0	22.00	20.95	20.71	20.63
		1	25	22.00	20.73	20.73	20.36
		1	49	22.00	20.80	20.73	20.66
		25	0	22.00	20.61	20.77	20.62
		25	13	22.00	20.67	20.66	20.69
		25	25	22.00	20.59	20.51	20.66
		50	0	22.00	20.66	20.58	20.66
	64QAM	1	0	22.00	20.64	20.81	20.73
		1	25	22.00	20.59	20.53	20.34
		1	49	22.00	20.64	20.71	20.44
		25	0	22.00	20.74	20.78	20.67
		25	13	22.00	20.70	20.67	20.69
		25	25	22.00	20.65	20.59	20.68
		50	0	22.00	20.65	20.66	20.67

Table 21: Conducted power test results of LTE Band 5 (Receiver ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	25.50	24.30	24.23	24.28
		1	3	25.50	23.88	23.94	23.80
		1	5	25.50	24.26	24.24	24.29
		3	0	25.50	24.37	24.28	24.16
		3	2	25.50	23.90	24.07	24.07
		3	3	25.50	24.17	24.25	24.14
		6	0	24.50	23.19	23.21	23.16
	16QAM	1	0	24.50	23.28	23.31	23.15
		1	3	24.50	23.07	22.83	22.95
		1	5	24.50	23.22	23.18	23.48
		3	0	24.50	23.26	23.20	23.40
		3	2	24.50	23.02	23.12	22.74
		3	3	24.50	23.23	23.26	23.10
		6	0	23.50	22.22	22.23	21.96
	64QAM	1	0	23.50	22.23	22.30	22.38
		1	3	23.50	22.15	22.20	21.86
		1	5	23.50	22.36	22.28	22.41
		3	0	23.50	22.15	22.20	22.13
		3	2	23.50	22.33	22.20	22.07
		3	3	23.50	22.15	22.09	22.16
		6	0	22.50	21.29	21.16	21.20
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	25.50	24.44	24.26	24.16
		1	7	25.50	24.38	24.35	24.15
		1	14	25.50	24.35	24.25	24.21
		8	0	24.50	23.32	23.26	23.23
		8	4	24.50	23.26	23.28	23.03
		8	7	24.50	23.30	23.30	23.18
		15	0	24.50	23.39	23.26	23.14
	16QAM	1	0	24.50	23.36	23.44	23.24
		1	7	24.50	23.50	23.52	23.27
		1	14	24.50	23.68	23.17	23.38
		8	0	23.50	22.45	22.29	22.20
		8	4	23.50	22.26	22.22	22.28
		8	7	23.50	22.26	22.22	22.16
		15	0	23.50	22.37	22.21	22.23
	64QAM	1	0	23.50	22.59	22.29	22.28
		1	7	23.50	22.53	22.50	22.23
		1	14	23.50	22.41	22.30	22.30
		8	0	22.50	21.31	21.21	21.25
		8	4	22.50	21.18	21.17	21.18
		8	7	22.50	21.34	21.31	21.13
		15	0	22.50	21.29	21.35	21.23



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	25.50	24.41	24.29	24.21
		1	13	25.50	24.45	24.28	24.29
		1	24	25.50	24.40	24.23	24.32
		12	0	24.50	23.41	23.31	23.28
		12	6	24.50	23.29	23.24	23.25
		12	13	24.50	23.48	23.32	23.20
		25	0	24.50	23.37	23.28	23.20
	16QAM	1	0	24.50	23.58	23.48	23.49
		1	13	24.50	23.62	23.61	23.48
		1	24	24.50	23.64	23.33	23.47
		12	0	23.50	22.41	22.26	22.25
		12	6	23.50	22.35	22.26	22.24
		12	13	23.50	22.48	22.28	22.23
		25	0	23.50	22.24	22.25	22.13
	64QAM	1	0	23.50	22.50	22.33	22.25
		1	13	23.50	22.41	22.24	22.41
		1	24	23.50	22.56	22.36	22.25
		12	0	22.50	21.35	21.32	21.33
		12	6	22.50	21.37	21.35	21.27
		12	13	22.50	21.40	21.24	21.20
		25	0	22.50	21.27	21.24	21.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	25.50	<b>24.17</b>	24.08	23.92
		1	25	25.50	23.85	23.73	23.73
		1	49	25.50	24.00	23.92	23.88
		25	0	24.50	<b>23.08</b>	23.05	22.94
		25	13	24.50	23.06	22.99	22.95
		25	25	24.50	23.07	22.99	22.94
		50	0	24.50	23.08	22.99	22.91
	16QAM	1	0	24.50	22.97	23.07	22.95
		1	25	24.50	22.70	22.78	22.70
		1	49	24.50	22.92	22.93	22.74
		25	0	23.50	21.99	22.01	21.94
		25	13	23.50	22.03	21.91	21.87
		25	25	23.50	22.03	21.88	21.87
		50	0	23.50	22.04	21.91	21.87
	64QAM	1	0	23.50	22.13	22.04	22.08
		1	25	23.50	21.92	21.72	21.89
		1	49	23.50	22.13	22.08	21.97
		25	0	22.50	21.00	21.14	20.97
		25	13	22.50	21.02	20.94	20.99
		25	25	22.50	20.98	20.98	20.99
		50	0	22.50	21.04	20.94	20.98

Table 22: Conducted power test results of LTE Band 5 (Receiver OFF)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20407CH	20525CH	20643CH
1.4MHz	QPSK	1	0	23.50	22.19	22.26	22.06
		1	3	23.50	21.59	21.87	21.75
		1	5	23.50	22.24	22.25	22.11
		3	0	23.50	22.21	22.24	22.05
		3	2	23.50	22.08	21.99	21.77
		3	3	23.50	22.09	22.23	22.05
		6	0	23.50	22.09	22.19	22.06
	16QAM	1	0	23.50	22.13	22.16	22.09
		1	3	23.50	21.95	21.89	21.69
		1	5	23.50	22.11	22.30	22.13
		3	0	23.50	22.23	22.13	21.99
		3	2	23.50	21.84	21.92	21.93
		3	3	23.50	22.02	22.15	22.08
		6	0	23.50	22.11	22.00	21.78
	64QAM	1	0	23.50	22.31	22.34	22.20
		1	3	23.50	22.10	21.93	21.93
		1	5	23.50	22.13	22.27	22.26
		3	0	23.50	22.22	21.97	22.03
		3	2	23.50	21.92	22.14	21.89
		3	3	23.50	21.90	21.96	21.94
		6	0	22.50	21.12	20.97	20.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20415CH	20525CH	20635CH
3MHz	QPSK	1	0	23.50	22.36	22.17	22.17
		1	7	23.50	22.30	22.23	22.10
		1	14	23.50	22.22	22.22	22.11
		8	0	23.50	22.23	22.12	22.09
		8	4	23.50	22.25	22.10	22.02
		8	7	23.50	22.13	22.07	21.98
		15	0	23.50	22.21	22.18	22.11
	16QAM	1	0	23.50	22.36	22.37	22.20
		1	7	23.50	22.38	22.02	22.13
		1	14	23.50	22.23	22.41	22.15
		8	0	23.50	22.24	22.11	22.03
		8	4	23.50	22.11	22.14	21.98
		8	7	23.50	22.22	22.02	21.94
		15	0	23.50	22.19	22.07	21.93
	64QAM	1	0	23.50	22.38	22.13	22.06
		1	7	23.50	22.37	22.07	22.17
		1	14	23.50	22.40	22.14	21.98
		8	0	22.50	21.06	21.15	21.10
		8	4	22.50	21.14	21.12	21.03
		8	7	22.50	21.16	20.99	20.97
		15	0	22.50	21.15	21.07	21.07

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	23.50	22.38	22.20	22.10
		1	13	23.50	22.22	22.25	22.18
		1	24	23.50	22.21	22.19	22.14
		12	0	23.50	22.33	22.22	22.19
		12	6	23.50	22.22	22.21	22.16
		12	13	23.50	22.26	22.11	22.09
		25	0	23.50	22.21	22.18	22.10
	16QAM	1	0	23.50	22.60	22.57	22.24
		1	13	23.50	22.40	22.42	22.20
		1	24	23.50	22.25	22.38	22.32
		12	0	23.50	22.25	22.19	22.10
		12	6	23.50	22.11	22.16	22.07
		12	13	23.50	22.34	22.11	22.05
		25	0	23.50	22.17	22.13	22.06
	64QAM	1	0	23.50	22.40	22.13	22.09
		1	13	23.50	22.33	22.09	22.11
		1	24	23.50	22.36	22.14	22.13
		12	0	22.50	21.34	21.26	21.22
		12	6	22.50	21.25	21.14	21.13
		12	13	22.50	21.38	21.06	21.10
		25	0	22.50	21.29	21.06	21.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	23.50	<b>22.31</b>	22.20	22.14
		1	25	23.50	21.93	21.98	21.95
		1	49	23.50	22.12	22.14	22.11
		25	0	23.50	<b>22.22</b>	22.19	22.08
		25	13	23.50	22.20	22.20	22.12
		25	25	23.50	22.17	22.16	22.10
		50	0	23.50	22.16	22.17	22.11
	16QAM	1	0	23.50	22.31	22.10	22.12
		1	25	23.50	22.01	21.92	21.75
		1	49	23.50	22.10	22.10	21.96
		25	0	23.50	22.14	22.13	22.08
		25	13	23.50	22.17	22.11	22.07
		25	25	23.50	22.21	22.08	22.02
		50	0	23.50	22.09	22.10	21.99
	64QAM	1	0	23.50	22.16	22.10	21.98
		1	25	23.50	22.13	21.87	21.69
		1	49	23.50	22.25	22.16	22.05
		25	0	22.50	21.23	21.21	21.08
		25	13	22.50	21.14	21.05	21.11
		25	25	22.50	21.14	21.03	21.10
		50	0	22.50	21.10	21.10	21.04

Table 23: Conducted power test results of LTE Band 5 (Receiver OFF+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	20407CH	20525CH	20643CH	
1.4MHz	QPSK	1	0	20.00	18.60	18.69	18.67	
		1	3	20.00	18.08	18.04	18.23	
		1	5	20.00	18.59	18.59	18.65	
		3	0	20.00	18.58	18.59	18.55	
		3	2	20.00	18.34	18.23	18.15	
		3	3	20.00	18.59	18.54	18.48	
	16QAM	1	0	20.00	18.65	18.96	18.68	
		1	3	20.00	18.38	18.26	18.19	
		1	5	20.00	18.69	18.81	18.53	
		3	0	20.00	18.49	18.53	18.42	
		3	2	20.00	18.41	18.49	18.34	
		3	3	20.00	18.56	18.63	18.56	
	64QAM	6	0	20.00	18.42	18.50	18.40	
		1	0	20.00	18.55	18.71	18.71	
		1	3	20.00	18.44	18.35	18.33	
		1	5	20.00	18.79	18.76	18.68	
		3	0	20.00	18.63	18.48	18.56	
		3	2	20.00	18.50	18.59	18.63	
	3MHz	QPSK	3	3	20.00	18.50	18.56	18.63
			6	0	20.00	18.47	18.43	18.31
			1	0	20.00	18.78	18.64	18.60
1			7	20.00	18.69	18.66	18.64	
1			14	20.00	18.69	18.60	18.63	
8			0	20.00	18.72	18.64	18.58	
8			4	20.00	18.65	18.60	18.54	
16QAM		8	7	20.00	18.76	18.48	18.48	
		15	0	20.00	18.65	18.68	18.52	
		1	0	20.00	18.89	18.83	18.81	
		1	7	20.00	18.90	18.81	18.93	
		1	14	20.00	18.95	18.90	18.89	
		8	0	20.00	18.72	18.59	18.56	
		8	4	20.00	18.66	18.61	18.53	
64QAM		8	7	20.00	18.61	18.56	18.40	
		15	0	20.00	18.67	18.58	18.46	
		1	0	20.00	18.87	18.76	18.82	
		1	7	20.00	19.01	18.74	18.75	
		1	14	20.00	18.77	18.72	18.77	
		8	0	20.00	18.75	18.53	18.48	
		8	4	20.00	18.80	18.62	18.61	
64QAM	8	7	20.00	18.72	18.68	18.46		
	15	0	20.00	18.76	18.67	18.53		

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20425CH	20525CH	20625CH
5MHz	QPSK	1	0	20.00	18.76	18.74	18.61
		1	13	20.00	18.80	18.67	18.60
		1	24	20.00	18.78	18.57	18.61
		12	0	20.00	18.77	18.74	18.74
		12	6	20.00	18.72	18.58	18.58
		12	13	20.00	18.78	18.62	18.65
		25	0	20.00	18.69	18.59	18.66
	16QAM	1	0	20.00	18.94	18.84	18.64
		1	13	20.00	18.86	18.65	18.87
		1	24	20.00	18.89	18.74	18.88
		12	0	20.00	18.77	18.70	18.69
		12	6	20.00	18.64	18.56	18.64
		12	13	20.00	18.75	18.57	18.56
		25	0	20.00	18.65	18.50	18.61
	64QAM	1	0	20.00	18.97	18.89	18.77
		1	13	20.00	18.85	18.67	18.79
		1	24	20.00	18.90	18.63	18.73
		12	0	20.00	18.63	18.73	18.58
		12	6	20.00	18.72	18.61	18.67
		12	13	20.00	18.62	18.56	18.61
		25	0	20.00	18.66	18.52	18.63
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	20.00	18.79	18.78	18.56
		1	25	20.00	18.35	18.18	18.36
		1	49	20.00	18.69	18.48	18.53
		25	0	20.00	18.75	18.76	18.60
		25	13	20.00	18.64	18.59	18.66
		25	25	20.00	18.63	18.55	18.61
		50	0	20.00	18.76	18.56	18.60
	16QAM	1	0	20.00	18.71	18.77	18.51
		1	25	20.00	18.49	18.47	18.21
		1	49	20.00	18.71	18.49	18.61
		25	0	20.00	18.65	18.61	18.53
		25	13	20.00	18.52	18.51	18.53
		25	25	20.00	18.54	18.58	18.51
		50	0	20.00	18.64	18.62	18.51
	64QAM	1	0	20.00	18.80	18.74	18.70
		1	25	20.00	18.43	18.40	18.32
		1	49	20.00	18.83	18.65	18.52
		25	0	20.00	18.78	18.69	18.52
		25	13	20.00	18.65	18.56	18.57
		25	25	20.00	18.59	18.52	18.61
		50	0	20.00	18.56	18.57	18.56
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20450CH	20525CH	20600CH

Table 24: Conducted power test results of LTE Band 5 (Receiver ON+ Hotspot ON)

Note: The conducted power of LTE Band 5 is measured with RMS detector.

## 1.9. Conducted power of LTE Band 7(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	20.00	18.53	18.60	18.30
		1	13	20.00	18.59	18.67	18.34
		1	24	20.00	18.62	18.65	18.22
		12	0	20.00	18.54	18.66	18.35
		12	6	20.00	18.64	18.65	18.27
		12	13	20.00	18.65	18.68	18.27
		25	0	20.00	18.63	18.65	18.28
	16QAM	1	0	20.00	18.77	18.89	18.43
		1	13	20.00	18.86	18.98	18.45
		1	24	20.00	18.70	18.85	18.42
		12	0	20.00	18.54	18.74	18.29
		12	6	20.00	18.54	18.71	18.23
		12	13	20.00	18.67	18.69	18.26
		25	0	20.00	18.57	18.60	18.17
	64QAM	1	0	20.00	18.59	18.74	18.16
		1	13	20.00	18.83	18.62	18.40
		1	24	20.00	18.68	18.79	18.24
		12	0	20.00	18.58	18.76	18.35
		12	6	20.00	18.67	18.77	18.25
		12	13	20.00	18.53	18.76	18.32
		25	0	20.00	18.50	18.69	18.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	20.00	18.44	18.71	18.39
		1	25	20.00	18.02	18.41	17.68
		1	49	20.00	18.59	18.60	18.17
		25	0	20.00	18.53	18.65	18.36
		25	13	20.00	18.60	18.65	18.32
		25	25	20.00	18.53	18.62	18.23
		50	0	20.00	18.53	18.59	18.29
	16QAM	1	0	20.00	18.54	18.80	18.46
		1	25	20.00	18.35	18.39	17.90
		1	49	20.00	18.61	18.61	18.11
		25	0	20.00	18.50	18.61	18.24
		25	13	20.00	18.51	18.61	18.19
		25	25	20.00	18.53	18.62	18.13
		50	0	20.00	18.51	18.63	18.17
	64QAM	1	0	20.00	18.58	18.61	18.42
		1	25	20.00	18.36	18.27	17.87
		1	49	20.00	18.80	18.62	18.14
		25	0	20.00	18.54	18.70	18.26
		25	13	20.00	18.55	18.69	18.23
		25	25	20.00	18.59	18.66	18.16
		50	0	20.00	18.57	18.69	18.20
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	20825CH	21100CH	21375CH	
15MHz	QPSK	1	0	20.00	18.40	18.57	18.41	
		1	38	20.00	18.56	18.66	18.39	
		1	74	20.00	18.48	18.55	18.02	
		36	0	20.00	18.51	18.63	18.49	
		36	18	20.00	18.57	18.65	18.36	
		36	39	20.00	18.53	18.63	18.19	
		75	0	20.00	18.53	18.60	18.33	
	16QAM	1	0	20.00	18.44	18.53	18.41	
		1	38	20.00	18.75	18.78	18.47	
		1	74	20.00	18.54	18.62	18.01	
		36	0	20.00	18.42	18.61	18.36	
		36	18	20.00	18.52	18.67	18.22	
		36	39	20.00	18.54	18.66	18.09	
		75	0	20.00	18.46	18.55	18.17	
	64QAM	1	0	20.00	18.42	18.55	18.53	
		1	38	20.00	18.56	18.98	18.24	
		1	74	20.00	18.51	18.52	18.02	
		36	0	20.00	18.50	18.70	18.35	
		36	18	20.00	18.61	18.71	18.28	
		36	39	20.00	18.64	18.68	18.18	
		75	0	20.00	18.57	18.66	18.18	
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
20MHz	QPSK	1	0	20.00	18.47	<b>18.59</b>	<b>18.57</b>	
		1	50	20.00	18.29	18.41	17.92	
		1	99	20.00	20.00	<b>18.46</b>	18.50	18.08
		50	0	20.00	18.44	18.56	18.52	
		50	25	20.00	18.46	<b>18.58</b>	18.35	
		50	50	20.00	18.51	18.53	18.17	
		100	0	20.00	18.45	18.52	18.32	
	16QAM	1	0	20.00	18.77	18.72	18.75	
		1	50	20.00	18.38	18.38	17.91	
		1	99	20.00	18.72	18.50	18.08	
		50	0	20.00	18.36	18.46	18.36	
		50	25	20.00	18.48	18.54	18.21	
		50	50	20.00	18.47	18.50	18.03	
		100	0	20.00	18.39	18.52	18.17	
	64QAM	1	0	20.00	18.54	18.61	18.56	
		1	50	20.00	18.46	18.51	18.06	
		1	99	20.00	18.45	18.45	18.01	
		50	0	20.00	18.44	18.46	18.40	
		50	25	20.00	18.55	18.62	18.23	
		50	50	20.00	18.54	18.55	18.10	
		100	0	20.00	18.47	18.59	18.20	

Table 25: Conducted power test results of LTE Band 7 (Receiver ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	22.00	20.75	20.88	20.41
		1	13	22.00	20.77	20.91	20.47
		1	24	22.00	20.84	20.86	20.31
		12	0	22.00	20.81	20.98	20.56
		12	6	22.00	20.76	20.89	20.53
		12	13	22.00	20.79	20.95	20.51
		25	0	22.00	20.76	20.92	20.52
	16QAM	1	0	22.00	20.88	20.91	20.63
		1	13	22.00	20.80	20.98	20.63
		1	24	22.00	20.93	20.93	20.56
		12	0	22.00	20.76	20.85	20.38
		12	6	22.00	20.72	20.90	20.45
		12	13	22.00	20.82	20.85	20.45
		25	0	22.00	20.69	20.83	20.37
	64QAM	1	0	22.00	20.80	21.01	20.70
		1	13	22.00	20.72	21.06	20.61
		1	24	22.00	20.80	20.93	20.46
		12	0	21.00	19.79	19.90	19.50
		12	6	21.00	19.75	19.82	19.44
		12	13	21.00	19.85	19.84	19.41
		25	0	21.00	19.77	19.90	19.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH
10MHz	QPSK	1	0	22.00	20.71	20.73	20.47
		1	25	22.00	20.18	20.46	20.24
		1	49	22.00	20.82	20.82	20.27
		25	0	22.00	20.75	20.95	20.50
		25	13	22.00	20.73	20.90	20.47
		25	25	22.00	20.84	20.88	20.46
		50	0	22.00	20.71	20.89	20.42
	16QAM	1	0	22.00	20.72	20.74	20.58
		1	25	22.00	20.46	20.53	20.25
		1	49	22.00	20.78	20.76	20.37
		25	0	22.00	20.70	20.76	20.48
		25	13	22.00	20.67	20.80	20.43
		25	25	22.00	20.72	20.75	20.41
		50	0	22.00	20.74	20.75	20.37
	64QAM	1	0	22.00	20.95	20.81	20.71
		1	25	22.00	20.61	20.91	20.01
		1	49	22.00	20.94	20.91	20.27
		25	0	21.00	19.69	19.86	19.45
		25	13	21.00	19.80	19.81	19.44
		25	25	21.00	19.75	19.81	19.37
		50	0	21.00	19.68	19.79	19.39



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	20825CH	21100CH	21375CH	
15MHz	QPSK	1	0	22.00	20.59	20.70	20.54	
		1	38	22.00	20.85	20.96	20.49	
		1	74	22.00	20.68	20.72	20.16	
		36	0	22.00	20.73	20.93	20.57	
		36	18	22.00	20.86	20.91	20.44	
		36	39	22.00	20.83	20.92	20.37	
		75	0	22.00	20.72	20.89	20.43	
	16QAM	1	0	22.00	20.63	20.87	20.76	
		1	38	22.00	20.72	21.16	20.56	
		1	74	22.00	20.87	20.98	20.12	
		36	0	22.00	20.66	20.72	20.56	
		36	18	22.00	20.70	20.80	20.48	
		36	39	22.00	20.67	20.74	20.31	
		75	0	22.00	20.76	20.68	20.44	
	64QAM	1	0	22.00	20.86	20.83	20.49	
		1	38	22.00	20.97	21.06	20.71	
		1	74	22.00	20.70	20.90	20.20	
		36	0	21.00	19.77	19.81	19.54	
		36	18	21.00	19.81	19.81	19.39	
		36	39	21.00	19.81	19.78	19.30	
		75	0	21.00	19.66	19.76	19.36	
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
20MHz	QPSK	1	0	22.00	20.58	<b>20.62</b>	<b>20.57</b>	
		1	50	22.00	20.34	20.48	20.24	
		1	99	22.00	22.00	<b>20.62</b>	20.58	20.09
		50	0	22.00	20.58	20.66	20.51	
		50	25	22.00	20.69	<b>20.77</b>	20.45	
		50	50	22.00	20.74	20.77	20.22	
		100	0	22.00	20.62	<b>20.63</b>	20.40	
	16QAM	1	0	22.00	20.72	20.66	20.66	
		1	50	22.00	20.60	20.48	20.41	
		1	99	22.00	20.71	20.74	20.44	
		50	0	22.00	20.50	20.64	20.47	
		50	25	22.00	20.59	20.62	20.35	
		50	50	22.00	20.61	20.64	20.19	
		100	0	22.00	20.56	20.60	20.36	
	64QAM	1	0	22.00	20.75	20.91	20.59	
		1	50	22.00	20.73	20.77	20.17	
		1	99	22.00	20.73	20.61	20.32	
		50	0	21.00	19.55	19.65	19.44	
		50	25	21.00	19.57	19.68	19.34	
		50	50	21.00	19.63	19.67	19.15	
		100	0	21.00	19.56	19.68	19.32	

Table 26: Conducted power test results of LTE Band 7 (Receiver OFF)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	19.00	17.55	17.62	17.28
		1	13	19.00	17.58	17.65	17.33
		1	24	19.00	17.49	17.70	17.24
		12	0	19.00	17.57	17.65	17.36
		12	6	19.00	17.48	17.65	17.33
		12	13	19.00	17.54	17.61	17.32
		25	0	19.00	17.51	17.58	17.29
	16QAM	1	0	19.00	17.71	17.94	17.47
		1	13	19.00	17.78	17.83	17.62
		1	24	19.00	17.76	17.91	17.35
		12	0	19.00	17.55	17.60	17.32
		12	6	19.00	17.60	17.63	17.25
		12	13	19.00	17.62	17.60	17.25
		25	0	19.00	17.43	17.61	17.20
	64QAM	1	0	19.00	17.62	17.76	17.22
		1	13	19.00	17.66	17.68	17.32
		1	24	19.00	17.49	17.71	17.34
		12	0	19.00	17.54	17.66	17.26
		12	6	19.00	17.61	17.61	17.26
		12	13	19.00	17.62	17.61	17.22
		25	0	19.00	17.45	17.68	17.22
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	19.00	17.48	17.61	17.30
		1	25	19.00	17.19	17.29	16.96
		1	49	19.00	17.53	17.60	17.09
		25	0	19.00	17.57	17.63	17.35
		25	13	19.00	17.51	17.66	17.29
		25	25	19.00	17.58	17.66	17.26
		50	0	19.00	17.48	17.59	17.22
	16QAM	1	0	19.00	17.67	17.78	17.42
		1	25	19.00	17.29	17.54	16.79
		1	49	19.00	17.68	17.72	17.29
		25	0	19.00	17.45	17.59	17.25
		25	13	19.00	17.49	17.52	17.21
		25	25	19.00	17.44	17.56	17.18
		50	0	19.00	17.44	17.50	17.15
	64QAM	1	0	19.00	17.63	17.68	17.53
		1	25	19.00	17.15	17.35	17.21
		1	49	19.00	17.56	17.59	17.16
		25	0	19.00	17.47	17.68	17.27
		25	13	19.00	17.52	17.61	17.21
		25	25	19.00	17.54	17.65	17.14
		50	0	19.00	17.48	17.62	17.15
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	19.00	17.42	17.50	17.37
		1	38	19.00	17.57	17.63	17.35
		1	74	19.00	17.42	17.50	17.00
		36	0	19.00	17.52	17.59	17.37
		36	18	19.00	17.58	17.60	17.33
		36	39	19.00	17.59	17.69	17.19
		75	0	19.00	17.57	17.60	17.28
	16QAM	1	0	19.00	17.50	17.72	17.44
		1	38	19.00	17.79	17.74	17.38
		1	74	19.00	17.50	17.65	17.22
		36	0	19.00	17.40	17.47	17.37
		36	18	19.00	17.51	17.54	17.26
		36	39	19.00	17.46	17.52	17.14
		75	0	19.00	17.39	17.49	17.21
	64QAM	1	0	19.00	17.50	17.57	17.53
		1	38	19.00	17.60	17.45	17.47
		1	74	19.00	17.27	17.42	16.92
		36	0	19.00	17.42	17.62	17.30
		36	18	19.00	17.55	17.66	17.22
		36	39	19.00	17.54	17.57	17.09
		75	0	19.00	17.39	17.60	17.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
20MHz	QPSK	1	0	19.00	17.40	<b>17.54</b>	<b>17.63</b>
		1	50	19.00	17.28	17.40	17.05
		1	99	19.00	<b>17.48</b>	17.45	17.08
		50	0	19.00	17.45	17.57	17.48
		50	25	19.00	17.53	<b>17.62</b>	17.30
		50	50	19.00	17.51	17.52	17.17
		100	0	19.00	17.50	<b>17.55</b>	17.32
	16QAM	1	0	19.00	17.41	17.66	17.65
		1	50	19.00	16.81	17.20	17.03
		1	99	19.00	17.61	17.66	17.15
		50	0	19.00	17.34	17.50	17.41
		50	25	19.00	17.42	17.46	17.32
		50	50	19.00	17.40	17.42	17.11
		100	0	19.00	17.39	17.44	17.24
	64QAM	1	0	19.00	17.47	17.52	17.58
		1	50	19.00	17.31	17.31	16.81
		1	99	19.00	17.62	17.57	17.12
		50	0	19.00	17.41	17.52	17.38
		50	25	19.00	17.55	17.54	17.23
		50	50	19.00	17.52	17.53	17.07
		100	0	19.00	17.38	17.58	17.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH

Table 27: Conducted power test results of LTE Band 7 (Receiver OFF+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20775CH	21100CH	21425CH
5MHz	QPSK	1	0	17.00	15.61	15.66	15.29
		1	13	17.00	15.61	15.69	15.25
		1	24	17.00	15.53	15.62	15.27
		12	0	17.00	15.66	15.70	15.38
		12	6	17.00	15.61	15.76	15.29
		12	13	17.00	15.63	15.76	15.31
		25	0	17.00	15.62	15.73	15.28
	16QAM	1	0	17.00	15.70	15.96	15.39
		1	13	17.00	15.85	15.83	15.46
		1	24	17.00	15.55	15.95	15.42
		12	0	17.00	15.56	15.68	15.35
		12	6	17.00	15.52	15.60	15.23
		12	13	17.00	15.58	15.64	15.29
		25	0	17.00	15.50	15.49	15.27
	64QAM	1	0	17.00	15.62	15.67	15.27
		1	13	17.00	15.40	15.84	15.31
		1	24	17.00	15.63	15.79	15.14
		12	0	17.00	15.59	15.63	15.32
		12	6	17.00	15.56	15.73	15.20
		12	13	17.00	15.56	15.71	15.27
		25	0	17.00	15.52	15.69	15.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	17.00	15.41	15.56	15.38
		1	25	17.00	15.29	15.30	14.91
		1	49	17.00	15.58	15.48	15.19
		25	0	17.00	15.59	15.68	15.34
		25	13	17.00	15.48	15.75	15.28
		25	25	17.00	15.57	15.67	15.19
		50	0	17.00	15.47	15.64	15.18
	16QAM	1	0	17.00	15.70	15.74	15.44
		1	25	17.00	15.18	15.40	15.03
		1	49	17.00	15.76	15.77	15.10
		25	0	17.00	15.52	15.60	15.28
		25	13	17.00	15.42	15.53	15.21
		25	25	17.00	15.51	15.64	15.22
		50	0	17.00	15.51	15.50	15.18
	64QAM	1	0	17.00	15.62	15.79	15.32
		1	25	17.00	14.95	15.52	15.04
		1	49	17.00	15.57	15.61	15.29
		25	0	17.00	15.56	15.60	15.25
		25	13	17.00	15.47	15.67	15.24
		25	25	17.00	15.60	15.63	15.14
		50	0	17.00	15.54	15.57	15.16
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20800CH	21100CH	21400CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20825CH	21100CH	21375CH
15MHz	QPSK	1	0	17.00	15.42	15.45	15.40
		1	38	17.00	15.54	15.67	15.33
		1	74	17.00	15.46	15.52	15.05
		36	0	17.00	15.51	15.61	15.44
		36	18	17.00	15.63	15.74	15.36
		36	39	17.00	15.64	15.69	15.22
		75	0	17.00	15.52	15.67	15.27
	16QAM	1	0	17.00	15.43	15.78	15.61
		1	38	17.00	15.78	15.75	15.53
		1	74	17.00	15.59	15.67	15.22
		36	0	17.00	15.52	15.56	15.39
		36	18	17.00	15.50	15.64	15.25
		36	39	17.00	15.56	15.56	15.13
		75	0	17.00	15.50	15.58	15.20
	64QAM	1	0	17.00	15.64	15.66	15.34
		1	38	17.00	15.56	15.84	15.47
		1	74	17.00	15.45	15.61	15.11
		36	0	17.00	15.48	15.55	15.42
		36	18	17.00	15.63	15.67	15.26
		36	39	17.00	15.57	15.61	15.10
		75	0	17.00	15.52	15.62	15.20
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	20850CH	21100CH	21350CH
20MHz	QPSK	1	0	17.00	15.35	15.57	15.57
		1	50	17.00	15.18	15.24	15.06
		1	99	17.00	15.39	15.45	15.03
		50	0	17.00	15.51	15.54	15.46
		50	25	17.00	15.47	15.56	15.32
		50	50	17.00	15.53	15.57	15.11
		100	0	17.00	15.52	15.52	15.28
	16QAM	1	0	17.00	15.60	15.72	15.73
		1	50	17.00	15.31	15.51	15.21
		1	99	17.00	15.69	15.63	15.15
		50	0	17.00	15.34	15.47	15.42
		50	25	17.00	15.44	15.47	15.27
		50	50	17.00	15.44	15.49	15.08
		100	0	17.00	15.43	15.44	15.20
	64QAM	1	0	17.00	15.46	15.58	15.64
		1	50	17.00	15.48	15.42	15.15
		1	99	17.00	15.45	15.59	15.11
		50	0	17.00	15.41	15.52	15.45
		50	25	17.00	15.44	15.52	15.30
		50	50	17.00	15.45	15.48	15.11
		100	0	17.00	15.44	15.43	15.22

Table 28: Conducted power test results of LTE Band 7 (Receiver ON+ Hotspot ON)

Note: The conducted power of LTE Band 7 is measured with RMS detector.

## 1.10. Conducted power of LTE Band 13(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23205CH	23230CH	23255CH
5MHz	QPSK	1	0	22.50	21.35	21.36	21.35
		1	13	22.50	21.35	21.43	21.38
		1	24	22.50	21.35	21.37	21.28
		12	0	22.50	21.37	21.33	21.36
		12	6	22.50	21.26	21.39	21.24
		12	13	22.50	21.40	21.31	21.30
		25	0	22.50	21.41	21.38	21.34
	16QAM	1	0	22.50	21.55	21.44	21.58
		1	13	22.50	21.47	21.67	21.54
		1	24	22.50	21.38	21.64	21.43
		12	0	22.50	21.34	21.46	21.35
		12	6	22.50	21.41	21.31	21.24
		12	13	22.50	21.38	21.28	21.26
		25	0	22.50	21.18	21.32	21.18
	64QAM	1	0	22.50	21.41	21.75	21.41
		1	13	22.50	21.50	21.65	21.64
		1	24	22.50	21.44	21.40	21.40
		12	0	21.50	20.44	20.26	20.37
		12	6	21.50	20.29	20.29	20.20
		12	13	21.50	20.34	20.37	20.20
		25	0	21.50	20.37	20.35	20.21
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	22.50	/	<b>21.35</b>	/
		1	25	22.50	/	20.92	/
		1	49	22.50	/	21.23	/
		25	0	22.50	/	21.19	/
		25	13	22.50	/	<b>21.27</b>	/
		25	25	22.50	/	21.16	/
		50	0	22.50	/	21.17	/
	16QAM	1	0	22.50	/	21.39	/
		1	25	22.50	/	21.04	/
		1	49	22.50	/	21.26	/
		25	0	22.50	/	21.21	/
		25	13	22.50	/	21.24	/
		25	25	22.50	/	21.10	/
		50	0	22.50	/	21.11	/
	64QAM	1	0	22.50	/	21.48	/
		1	25	22.50	/	21.23	/
		1	49	22.50	/	21.30	/
		25	0	21.50	/	20.22	/
		25	13	21.50	/	20.18	/
		25	25	21.50	/	20.18	/
		50	0	21.50	/	20.16	/
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	/	23230CH	/

Table 29: Conducted power test results of LTE Band 13 (Receiver ON/Receiver ON+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	23205CH	23230CH	23255CH
5MHz	QPSK	1	0	24.50	23.22	23.45	23.30
		1	13	24.50	23.49	23.34	23.36
		1	24	24.50	23.32	23.40	23.27
		12	0	23.50	22.41	22.53	22.31
		12	6	23.50	22.38	22.40	22.21
		12	13	23.50	22.45	22.30	22.36
		25	0	23.50	22.42	22.36	22.35
	16QAM	1	0	23.50	22.51	22.62	22.65
		1	13	23.50	22.62	22.72	22.42
		1	24	23.50	22.68	22.63	22.35
		12	0	22.50	21.42	21.41	21.31
		12	6	22.50	21.27	21.30	21.25
		12	13	22.50	21.44	21.31	21.24
		25	0	22.50	21.44	21.37	21.35
	64QAM	1	0	22.50	21.43	21.48	21.58
		1	13	22.50	21.56	21.63	21.69
		1	24	22.50	21.45	21.62	21.33
		12	0	21.50	20.38	20.33	20.41
		12	6	21.50	20.26	20.33	20.27
		12	13	21.50	20.43	20.38	20.25
		25	0	21.50	20.29	20.35	20.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	/	23230CH	/
10MHz	QPSK	1	0	24.50	/	23.07	/
		1	25	24.50	/	22.77	/
		1	49	24.50	/	<b>23.10</b>	/
		25	0	23.50	/	22.08	/
		25	13	23.50	/	<b>22.18</b>	/
		25	25	23.50	/	22.02	/
		50	0	23.50	/	22.08	/
	16QAM	1	0	23.50	/	22.15	/
		1	25	23.50	/	21.55	/
		1	49	23.50	/	21.96	/
		25	0	22.50	/	21.02	/
		25	13	22.50	/	21.01	/
		25	25	22.50	/	20.98	/
		50	0	22.50	/	20.98	/
	64QAM	1	0	22.50	/	21.29	/
		1	25	22.50	/	20.98	/
		1	49	22.50	/	21.17	/
		25	0	21.50	/	20.06	/
		25	13	21.50	/	20.04	/
		25	25	21.50	/	20.05	/
		50	0	21.50	/	20.04	/

Table 30: Conducted power test results of LTE Band 13 (Receiver OFF/Receiver OFF+ Hotspot ON)

Note: The conducted power of LTE Band 13 is measured with RMS detector.

## 1.11. Conducted power of LTE Band 26(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	26697CH	26865CH	27033CH	
1.4MHz	QPSK	1	0	21.00	20.69	20.72	20.75	
		1	3	21.00	20.28	20.30	20.27	
		1	5	21.00	20.61	20.83	20.69	
		3	0	21.00	20.74	20.68	20.67	
		3	2	21.00	20.42	20.47	20.57	
		3	3	21.00	20.76	20.75	20.56	
	16QAM	6	0	21.00	20.66	20.72	20.69	
		1	0	21.00	20.75	20.88	20.67	
		1	3	21.00	20.37	20.62	20.31	
		1	5	21.00	20.74	20.57	20.56	
		3	0	21.00	20.57	20.76	20.64	
		3	2	21.00	20.59	20.77	20.76	
	64QAM	3	3	21.00	20.60	20.63	20.65	
		6	0	21.00	20.63	20.74	20.61	
		1	0	21.00	20.79	20.90	20.82	
		1	3	21.00	20.42	20.57	20.53	
		1	5	21.00	20.71	20.88	20.71	
		3	0	21.00	20.74	20.94	20.75	
	3MHz	QPSK	3	2	21.00	20.72	20.68	20.54
			3	3	21.00	20.68	20.73	20.43
			6	0	21.00	20.63	20.69	20.64
1			0	21.00	20.71	20.84	20.71	
1			7	21.00	20.68	20.71	20.64	
1			14	21.00	20.71	20.78	20.69	
8			0	21.00	20.70	20.80	20.72	
16QAM		8	4	21.00	20.59	20.77	20.73	
		8	7	21.00	20.71	20.86	20.77	
		15	0	21.00	20.57	20.81	20.67	
		1	0	21.00	20.78	20.79	20.83	
		1	7	21.00	20.91	20.82	20.83	
		1	14	21.00	20.70	20.90	20.83	
		8	0	21.00	20.68	20.72	20.65	
64QAM		8	4	21.00	20.58	20.80	20.55	
		8	7	21.00	20.69	20.71	20.71	
		15	0	21.00	20.53	20.75	20.57	
		1	0	21.00	20.76	20.91	20.64	
		1	7	21.00	20.61	20.79	20.66	
		1	14	21.00	20.75	20.90	20.88	
		8	0	21.00	20.65	20.70	20.65	
	8	4	21.00	20.72	20.64	20.67		
	8	7	21.00	20.58	20.78	20.67		
	15	0	21.00	20.64	20.76	20.68		



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	21.00	20.75	20.90	20.72
		1	13	21.00	20.61	20.72	20.78
		1	24	21.00	20.77	20.80	20.70
		12	0	21.00	20.66	20.84	20.78
		12	6	21.00	20.67	20.82	20.71
		12	13	21.00	20.64	20.74	20.78
		25	0	21.00	20.65	20.82	20.68
	16QAM	1	0	21.00	20.87	20.87	20.84
		1	13	21.00	20.81	20.94	20.91
		1	24	21.00	20.80	20.82	20.83
		12	0	21.00	20.62	20.82	20.71
		12	6	21.00	20.72	20.81	20.69
		12	13	21.00	20.76	20.84	20.77
		25	0	21.00	20.69	20.73	20.61
	64QAM	1	0	21.00	20.78	20.80	20.75
		1	13	21.00	20.92	20.87	20.90
		1	24	21.00	20.78	20.70	20.73
		12	0	21.00	20.74	20.88	20.75
		12	6	21.00	20.65	20.76	20.66
		12	13	21.00	20.69	20.80	20.76
		25	0	21.00	20.69	20.74	20.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	21.00	20.66	20.82	20.75
		1	25	21.00	20.51	20.58	20.47
		1	49	21.00	20.65	20.70	20.65
		25	0	21.00	20.74	20.84	20.75
		25	13	21.00	20.74	20.84	20.68
		25	25	21.00	20.69	20.66	20.66
		50	0	21.00	20.68	20.81	20.82
	16QAM	1	0	21.00	20.59	20.82	20.85
		1	25	21.00	20.45	20.64	20.68
		1	49	21.00	20.69	20.89	20.81
		25	0	21.00	20.68	20.80	20.65
		25	13	21.00	20.74	20.70	20.59
		25	25	21.00	20.68	20.72	20.58
		50	0	21.00	20.64	20.70	20.70
	64QAM	1	0	21.00	20.69	20.86	20.82
		1	25	21.00	20.69	20.54	20.49
		1	49	21.00	20.64	20.79	20.61
		25	0	21.00	20.68	20.80	20.70
		25	13	21.00	20.72	20.68	20.62
		25	25	21.00	20.64	20.77	20.71
		50	0	21.00	20.68	20.67	20.73
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26750CH	26865CH	26990CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	21.00	20.45	20.42	20.41
		1	38	21.00	<b>20.64</b>	20.54	20.61
		1	74	21.00	20.36	20.43	20.36
		36	0	21.00	20.42	<b>20.61</b>	20.58
		36	18	21.00	20.52	20.56	20.59
		36	39	21.00	20.51	20.61	20.57
		75	0	21.00	20.47	20.59	20.60
	16QAM	1	0	21.00	20.48	20.51	20.58
		1	38	21.00	20.64	20.71	20.71
		1	74	21.00	20.58	20.44	20.44
		36	0	21.00	20.49	20.59	20.55
		36	18	21.00	20.54	20.55	20.55
		36	39	21.00	20.40	20.47	20.49
		75	0	21.00	20.43	20.48	20.51
	64QAM	1	0	21.00	20.53	20.57	20.45
		1	38	21.00	20.63	20.73	20.84
		1	74	21.00	20.54	20.65	20.33
		36	0	21.00	20.45	20.55	20.59
		36	18	21.00	20.45	20.55	20.52
		36	39	21.00	20.52	20.59	20.48
		75	0	21.00	20.37	20.47	20.48

Table 31: Conducted power test results of LTE Band 26 (Receiver ON/Receiver ON+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	24.50	24.24	24.24	24.21
		1	3	24.50	23.94	24.06	23.91
		1	5	24.50	24.23	24.40	24.15
		3	0	24.50	24.17	24.20	24.21
		3	2	24.50	24.01	24.30	24.22
		3	3	24.50	24.07	24.26	24.11
		6	0	23.50	23.03	23.18	23.09
	16QAM	1	0	23.50	23.33	23.11	23.14
		1	3	23.50	23.03	22.74	23.00
		1	5	23.50	23.23	23.47	22.91
		3	0	23.50	23.21	23.34	23.30
		3	2	23.50	23.13	23.24	23.05
		3	3	23.50	23.06	23.27	23.11
		6	0	22.50	22.14	22.16	22.06
	64QAM	1	0	22.50	22.39	22.28	22.40
		1	3	22.50	22.12	21.96	21.98
		1	5	22.50	22.29	22.43	22.20
		3	0	22.50	22.16	22.17	22.27
		3	2	22.50	22.21	22.14	22.08
		3	3	22.50	22.01	22.15	22.05
		6	0	21.50	21.24	21.19	21.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	24.50	24.22	24.39	24.23
		1	7	24.50	24.22	24.38	24.18
		1	14	24.50	24.24	24.36	24.27
		8	0	23.50	23.17	23.35	23.22
		8	4	23.50	23.23	23.33	23.13
		8	7	23.50	23.28	23.34	23.15
		15	0	23.50	23.22	23.31	23.14
	16QAM	1	0	23.50	23.43	23.46	23.20
		1	7	23.50	23.40	23.41	23.43
		1	14	23.50	23.42	23.41	23.23
		8	0	22.50	22.13	22.25	22.14
		8	4	22.50	22.17	22.34	22.15
		8	7	22.50	22.15	22.19	22.17
		15	0	22.50	22.17	22.17	22.18
	64QAM	1	0	22.50	22.28	22.49	22.09
		1	7	22.50	22.32	22.30	22.22
		1	14	22.50	22.40	22.28	22.13
		8	0	21.50	21.19	21.30	21.11
		8	4	21.50	21.08	21.25	21.12
		8	7	21.50	21.21	21.24	21.21
		15	0	21.50	21.09	21.36	21.28

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	24.50	24.14	24.40	24.20
		1	13	24.50	24.27	24.37	24.24
		1	24	24.50	24.19	24.31	24.18
		12	0	23.50	23.26	23.43	23.30
		12	6	23.50	23.15	23.35	23.29
		12	13	23.50	23.28	23.40	23.17
		25	0	23.50	23.18	23.35	23.19
	16QAM	1	0	23.50	23.31	23.49	23.30
		1	13	23.50	23.41	23.41	23.50
		1	24	23.50	23.28	23.46	23.33
		12	0	22.50	22.27	22.37	22.33
		12	6	22.50	22.21	22.33	22.21
		12	13	22.50	22.27	22.38	22.20
		25	0	22.50	22.10	22.33	22.16
	64QAM	1	0	22.50	22.26	22.42	22.43
		1	13	22.50	22.24	22.34	22.31
		1	24	22.50	22.23	22.15	22.26
		12	0	21.50	21.17	21.38	21.25
		12	6	21.50	21.18	21.38	21.21
		12	13	21.50	21.19	21.22	21.14
		25	0	21.50	21.24	21.37	21.28
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26750CH	26865CH	26990CH
10MHz	QPSK	1	0	24.50	24.13	24.34	24.27
		1	25	24.50	23.97	24.05	23.95
		1	49	24.50	24.17	24.20	24.18
		25	0	23.50	23.24	23.40	23.23
		25	13	23.50	23.22	23.37	23.21
		25	25	23.50	23.22	23.31	23.28
		50	0	23.50	23.18	23.33	23.32
	16QAM	1	0	23.50	23.20	23.45	23.25
		1	25	23.50	22.75	23.01	22.90
		1	49	23.50	23.20	23.10	23.01
		25	0	22.50	22.19	22.37	22.19
		25	13	22.50	22.19	22.32	22.15
		25	25	22.50	22.13	22.21	22.15
		50	0	22.50	22.15	22.29	22.23
	64QAM	1	0	22.50	22.38	22.41	22.29
		1	25	22.50	22.13	21.97	22.11
		1	49	22.50	22.19	22.25	22.14
		25	0	21.50	21.17	21.35	21.30
		25	13	21.50	21.22	21.32	21.16
		25	25	21.50	21.23	21.28	21.15
		50	0	21.50	21.17	21.28	21.18

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	24.50	23.95	23.96	24.00
		1	38	24.50	24.06	<b>24.18</b>	24.07
		1	74	24.50	23.89	23.86	23.88
		36	0	23.50	23.05	<b>23.21</b>	23.10
		36	18	23.50	23.05	23.19	23.05
		36	39	23.50	22.99	23.04	23.01
		75	0	23.50	22.96	23.05	23.04
	16QAM	1	0	23.50	22.96	22.96	23.23
		1	38	23.50	23.20	23.31	23.20
		1	74	23.50	22.93	22.95	22.98
		36	0	22.50	21.94	22.18	22.02
		36	18	22.50	21.98	22.01	22.02
		36	39	22.50	21.90	21.98	21.98
		75	0	22.50	21.99	22.02	21.94
	64QAM	1	0	22.50	22.00	22.15	21.79
		1	38	22.50	22.10	22.22	22.17
		1	74	22.50	21.94	21.90	21.92
		36	0	21.50	20.94	21.16	21.07
		36	18	21.50	20.94	21.06	21.06
		36	39	21.50	20.96	21.01	20.89
		75	0	21.50	20.97	21.06	20.92

Table 32: Conducted power test results of LTE Band 26 (Receiver OFF/Receiver OFF+ Hotspot ON)

Note: The conducted power of LTE Band 26 is measured with RMS detector.

## 1.12. Conducted power of LTE Band 38(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	22.50	21.41	21.34	21.32
		1	13	22.50	21.41	21.33	21.33
		1	24	22.50	21.28	21.26	21.34
		12	0	22.50	21.35	21.34	21.35
		12	6	22.50	21.33	21.30	21.35
		12	13	22.50	21.35	21.29	21.32
		25	0	22.50	21.30	21.29	21.31
	16QAM	1	0	22.50	21.38	21.15	21.23
		1	13	22.50	21.35	21.17	21.24
		1	24	22.50	21.23	21.13	21.16
		12	0	22.00	20.85	20.78	20.81
		12	6	22.00	20.80	20.71	20.79
		12	13	22.00	20.83	20.76	20.78
		25	0	22.00	20.77	20.75	20.78
	64QAM	1	0	22.00	20.76	20.64	20.85
		1	13	22.00	20.72	20.67	20.78
		1	24	22.00	20.69	20.60	20.75
		12	0	21.00	19.90	19.81	19.80
		12	6	21.00	19.83	19.75	19.78
		12	13	21.00	19.80	19.74	19.79
		25	0	21.00	19.79	19.74	19.76
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	22.50	21.39	21.36	21.34
		1	25	22.50	21.00	20.83	21.11
		1	49	22.50	21.21	21.19	21.21
		25	0	22.50	21.35	21.29	21.36
		25	13	22.50	21.28	21.31	21.31
		25	25	22.50	21.25	21.26	21.28
		50	0	22.50	21.29	21.29	21.32
	16QAM	1	0	22.50	21.33	21.25	21.38
		1	25	22.50	20.90	20.65	20.69
		1	49	22.50	21.22	21.13	21.26
		25	0	22.00	20.83	20.72	20.76
		25	13	22.00	20.77	20.73	20.74
		25	25	22.00	20.69	20.66	20.73
		50	0	22.00	20.75	20.78	20.81
	64QAM	1	0	22.00	20.83	20.91	20.92
		1	25	22.00	20.47	20.68	20.68
		1	49	22.00	20.69	20.67	20.75
		25	0	21.00	19.82	19.75	19.78
		25	13	21.00	19.75	19.69	19.76
		25	25	21.00	19.69	19.69	19.74
		50	0	21.00	19.74	19.69	19.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	22.50	21.31	21.24	21.25
		1	38	22.50	21.38	21.34	21.35
		1	74	22.50	21.21	21.17	21.17
		36	0	22.50	21.32	21.32	21.38
		36	18	22.50	21.27	21.28	21.33
		36	39	22.50	21.23	21.24	21.26
		75	0	22.50	21.24	21.28	21.26
	16QAM	1	0	22.50	21.27	21.26	21.29
		1	38	22.50	21.32	21.38	21.43
		1	74	22.50	21.16	21.13	21.25
		36	0	22.00	20.87	20.78	20.83
		36	18	22.00	20.83	20.80	20.77
		36	39	22.00	20.71	20.72	20.73
		75	0	22.00	20.70	20.73	20.74
	64QAM	1	0	22.00	20.76	20.81	20.73
		1	38	22.00	20.77	20.82	20.85
		1	74	22.00	20.53	20.52	20.62
		36	0	21.00	19.82	19.78	19.80
		36	18	21.00	19.75	19.78	19.75
		36	39	21.00	19.70	19.69	19.70
		75	0	21.00	19.78	19.72	19.76
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	22.50	21.20	<b>21.22</b>	21.17
		1	50	22.50	20.90	20.89	20.89
		1	99	22.50	20.98	20.95	20.97
		50	0	22.50	21.26	21.28	<b>21.30</b>
		50	25	22.50	21.18	21.20	21.23
		50	50	22.50	21.11	21.10	21.16
		100	0	22.50	21.16	21.20	21.21
	16QAM	1	0	22.50	21.27	21.23	21.22
		1	50	22.50	20.74	20.73	20.66
		1	99	22.50	21.05	21.03	21.06
		50	0	22.00	20.67	20.68	20.67
		50	25	22.00	20.63	20.65	20.65
		50	50	22.00	20.58	20.58	20.64
		100	0	22.00	20.69	20.66	20.69
	64QAM	1	0	22.00	20.78	20.71	20.76
		1	50	22.00	20.22	20.21	20.23
		1	99	22.00	20.58	20.56	20.60
		50	0	21.00	19.67	19.69	19.72
		50	25	21.00	19.71	19.70	19.71
		50	50	21.00	19.62	19.57	19.64
		100	0	21.00	19.71	19.69	19.73

Table 33: Conducted power test results of LTE Band 38 (Receiver ON/Receiver OFF)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	21.00	19.88	19.85	19.89
		1	13	21.00	19.87	19.83	19.91
		1	24	21.00	19.77	19.77	19.85
		12	0	21.00	19.93	19.82	19.81
		12	6	21.00	19.84	19.77	19.80
		12	13	21.00	19.82	19.79	19.83
		25	0	21.00	19.81	19.75	19.81
	16QAM	1	0	21.00	19.87	19.78	19.67
		1	13	21.00	19.70	19.79	19.78
		1	24	21.00	19.61	19.70	19.80
		12	0	21.00	19.82	19.76	19.75
		12	6	21.00	19.78	19.74	19.79
		12	13	21.00	19.78	19.72	19.75
		25	0	21.00	19.81	19.75	19.76
	64QAM	1	0	21.00	19.74	19.69	19.71
		1	13	21.00	19.72	19.68	19.73
		1	24	21.00	19.65	19.70	19.75
		12	0	21.00	19.85	19.80	19.84
		12	6	21.00	19.79	19.77	19.79
		12	13	21.00	19.79	19.79	19.84
		25	0	21.00	19.79	19.73	19.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	21.00	19.85	19.86	19.82
		1	25	21.00	19.51	19.28	19.50
		1	49	21.00	19.69	19.70	19.82
		25	0	21.00	19.88	19.80	19.80
		25	13	21.00	19.80	19.84	19.78
		25	25	21.00	19.74	19.77	19.80
		50	0	21.00	19.80	19.81	19.80
	16QAM	1	0	21.00	19.85	19.76	19.68
		1	25	21.00	19.45	19.32	19.37
		1	49	21.00	19.65	19.70	19.68
		25	0	21.00	19.81	19.75	19.74
		25	13	21.00	19.74	19.72	19.77
		25	25	21.00	19.71	19.70	19.75
		50	0	21.00	19.76	19.70	19.77
	64QAM	1	0	21.00	19.67	19.81	19.77
		1	25	21.00	19.34	19.32	19.37
		1	49	21.00	19.53	19.54	19.79
		25	0	21.00	19.86	19.74	19.78
		25	13	21.00	19.73	19.70	19.75
		25	25	21.00	19.70	19.69	19.74
		50	0	21.00	19.77	19.73	19.78
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	21.00	19.80	19.77	19.74
		1	38	21.00	19.90	19.84	19.91
		1	74	21.00	19.67	19.60	19.64
		36	0	21.00	19.83	19.81	19.88
		36	18	21.00	19.81	19.82	19.89
		36	39	21.00	19.73	19.73	19.84
		75	0	21.00	19.77	19.76	19.79
	16QAM	1	0	21.00	19.57	19.64	19.63
		1	38	21.00	19.72	19.74	19.81
		1	74	21.00	19.48	19.58	19.65
		36	0	21.00	19.80	19.77	19.85
		36	18	21.00	19.80	19.77	19.81
		36	39	21.00	19.71	19.71	19.81
		75	0	21.00	19.74	19.72	19.74
	64QAM	1	0	21.00	19.60	19.63	19.65
		1	38	21.00	19.68	19.80	19.73
		1	74	21.00	19.45	19.53	19.58
		36	0	21.00	19.84	19.79	19.86
		36	18	21.00	19.78	19.78	19.84
		36	39	21.00	19.73	19.71	19.75
		75	0	21.00	19.75	19.71	19.76
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	21.00	19.79	<b>19.80</b>	19.77
		1	50	21.00	19.56	19.51	19.51
		1	99	21.00	19.59	19.56	19.61
		50	0	21.00	<b>19.79</b>	<b>19.76</b>	<b>19.89</b>
		50	25	21.00	19.74	19.73	19.77
		50	50	21.00	19.71	19.65	19.74
		100	0	21.00	19.70	19.69	<b>19.71</b>
	16QAM	1	0	21.00	19.69	19.73	19.64
		1	50	21.00	19.51	19.41	19.47
		1	99	21.00	19.53	19.53	19.69
		50	0	21.00	19.70	19.69	19.74
		50	25	21.00	19.69	19.71	19.73
		50	50	21.00	19.61	19.61	19.65
		100	0	21.00	19.65	19.68	19.71
	64QAM	1	0	21.00	19.71	19.63	19.58
		1	50	21.00	19.36	19.27	19.18
		1	99	21.00	19.50	19.40	19.49
		50	0	21.00	19.75	19.73	19.78
		50	25	21.00	19.73	19.73	19.77
		50	50	21.00	19.65	19.65	19.70
		100	0	21.00	19.70	19.68	19.74

Table 34: Conducted power test results of LTE Band 38 (Hotspot ON)

Note: The conducted power of LTE Band 38 is measured with RMS detector.

## 1.13. Conducted power of LTE Band 66(Main antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	18.50	17.09	17.13	16.51
		1	3	18.50	16.74	16.71	16.19
		1	5	18.50	17.08	17.04	16.44
		3	0	18.50	17.11	17.06	16.56
		3	2	18.50	16.84	16.69	16.36
		3	3	18.50	16.99	17.00	16.42
		6	0	18.50	16.94	16.96	16.43
	16QAM	1	0	18.50	16.99	16.94	16.58
		1	3	18.50	16.62	16.64	16.09
		1	5	18.50	17.17	17.07	16.58
		3	0	18.50	17.04	17.05	16.60
		3	2	18.50	17.02	16.89	16.58
		3	3	18.50	16.99	17.06	16.59
		6	0	18.50	17.04	16.86	16.43
	64QAM	1	0	18.50	17.11	17.17	16.54
		1	3	18.50	16.76	16.68	16.35
		1	5	18.50	17.26	17.20	16.74
		3	0	18.50	17.20	16.93	16.59
		3	2	18.50	16.79	16.96	16.47
		3	3	18.50	17.07	17.01	16.40
		6	0	18.50	16.95	16.90	16.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
3MHz	QPSK	1	0	18.50	17.09	16.98	16.49
		1	7	18.50	17.14	17.03	16.49
		1	14	18.50	17.05	17.01	16.56
		8	0	18.50	17.00	16.97	16.44
		8	4	18.50	17.04	16.95	16.52
		8	7	18.50	17.07	16.94	16.45
		15	0	18.50	17.11	17.08	16.57
	16QAM	1	0	18.50	17.34	17.13	16.60
		1	7	18.50	17.27	17.31	16.54
		1	14	18.50	17.28	17.13	16.55
		8	0	18.50	17.17	16.87	16.48
		8	4	18.50	16.97	16.89	16.48
		8	7	18.50	16.93	16.83	16.31
		15	0	18.50	17.03	16.93	16.40
	64QAM	1	0	18.50	17.09	17.01	16.50
		1	7	18.50	17.22	17.22	16.45
		1	14	18.50	17.30	17.16	16.48
		8	0	18.50	16.91	16.91	16.43
		8	4	18.50	17.01	17.01	16.43
		8	7	18.50	17.07	16.96	16.56
		15	0	18.50	17.16	16.96	16.44
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	18.50	17.15	17.05	16.59
		1	13	18.50	17.05	17.08	16.56
		1	24	18.50	17.10	17.09	16.52
		12	0	18.50	17.09	17.05	16.63
		12	6	18.50	17.11	16.97	16.53
		12	13	18.50	17.17	17.05	16.57
		25	0	18.50	17.17	17.01	16.59
	16QAM	1	0	18.50	17.28	17.42	16.84
		1	13	18.50	17.31	17.17	16.98
		1	24	18.50	17.26	17.31	16.67
		12	0	18.50	17.15	17.00	16.61
		12	6	18.50	17.04	17.03	16.50
		12	13	18.50	17.06	17.08	16.51
		25	0	18.50	16.97	16.98	16.47
	64QAM	1	0	18.50	17.13	17.18	16.53
		1	13	18.50	17.36	17.15	16.81
		1	24	18.50	17.10	17.19	16.62
		12	0	18.50	17.12	17.01	16.64
		12	6	18.50	17.11	16.98	16.44
		12	13	18.50	17.13	17.00	16.53
		25	0	18.50	17.10	16.99	16.50
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	18.50	17.03	17.01	16.77
		1	25	18.50	16.54	16.54	16.16
		1	49	18.50	17.07	16.95	16.42
		25	0	18.50	17.04	17.05	16.66
		25	13	18.50	17.05	17.03	16.58
		25	25	18.50	17.06	17.01	16.55
		50	0	18.50	17.11	17.01	16.58
	16QAM	1	0	18.50	16.80	17.05	16.80
		1	25	18.50	16.67	16.76	16.30
		1	49	18.50	17.07	16.87	16.45
		25	0	18.50	16.98	16.94	16.63
		25	13	18.50	16.98	16.97	16.49
		25	25	18.50	16.98	16.93	16.47
		50	0	18.50	16.98	16.90	16.50
	64QAM	1	0	18.50	17.06	17.08	16.94
		1	25	18.50	16.92	16.90	16.47
		1	49	18.50	17.14	17.28	16.52
		25	0	18.50	17.08	17.01	16.64
		25	13	18.50	17.08	16.95	16.53
		25	25	18.50	17.06	16.93	16.45
		50	0	18.50	17.04	16.91	16.51
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	18.50	16.91	16.86	16.81
		1	38	18.50	17.02	17.06	16.67
		1	74	18.50	16.87	16.88	16.34
		36	0	18.50	17.11	17.09	16.85
		36	18	18.50	17.15	17.03	16.72
		36	39	18.50	17.10	17.03	16.53
		75	0	18.50	17.07	17.04	16.66
	16QAM	1	0	18.50	17.12	17.08	16.97
		1	38	18.50	17.18	17.21	16.86
		1	74	18.50	17.11	17.10	16.35
		36	0	18.50	16.99	16.94	16.79
		36	18	18.50	17.06	17.01	16.64
		36	39	18.50	16.99	17.00	16.44
		75	0	18.50	16.96	16.98	16.61
	64QAM	1	0	18.50	17.12	17.05	17.02
		1	38	18.50	17.29	17.07	16.68
		1	74	18.50	17.12	17.11	16.52
		36	0	18.50	17.09	16.99	16.80
		36	18	18.50	17.09	16.95	16.63
		36	39	18.50	17.06	17.02	16.46
		75	0	18.50	16.98	17.04	16.58
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	18.50	16.92	<b>16.95</b>	<b>16.92</b>
		1	50	18.50	16.75	16.79	16.63
		1	99	18.50	<b>16.98</b>	16.92	16.39
		50	0	18.50	17.06	<b>17.11</b>	<b>17.03</b>
		50	25	18.50	<b>17.07</b>	17.10	16.76
		50	50	18.50	17.04	17.07	16.60
		100	0	18.50	<b>17.08</b>	17.07	16.73
	16QAM	1	0	18.50	17.07	16.98	17.16
		1	50	18.50	17.07	17.20	16.67
		1	99	18.50	17.11	17.11	16.62
		50	0	18.50	16.97	16.98	16.94
		50	25	18.50	16.98	17.02	16.71
		50	50	18.50	16.91	16.99	16.46
		100	0	18.50	16.95	16.95	16.61
	64QAM	1	0	18.50	17.01	16.80	16.93
		1	50	18.50	16.79	16.95	16.50
		1	99	18.50	16.93	17.00	16.45
		50	0	18.50	17.03	16.95	16.97
		50	25	18.50	17.05	17.03	16.79
		50	50	18.50	16.98	16.96	16.52
		100	0	18.50	16.97	16.96	16.78

Table 35: Conducted power test results of LTE Band 66 (Receiver ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	22.00	20.70	20.63	20.09
		1	3	22.00	20.41	20.25	19.76
		1	5	22.00	20.68	20.61	20.13
		3	0	22.00	20.64	20.57	20.11
		3	2	22.00	20.43	20.15	19.83
		3	3	22.00	20.51	20.47	20.04
		6	0	22.00	20.57	20.57	20.05
	16QAM	1	0	22.00	20.71	20.62	20.02
		1	3	22.00	20.25	20.29	19.58
		1	5	22.00	20.78	20.56	20.29
		3	0	22.00	20.72	20.60	20.01
		3	2	22.00	20.38	20.44	20.00
		3	3	22.00	20.51	20.56	20.01
		6	0	22.00	20.53	20.33	19.85
	64QAM	1	0	22.00	20.84	20.70	20.24
		1	3	22.00	20.48	20.40	19.79
		1	5	22.00	20.80	20.66	20.31
		3	0	22.00	20.87	20.55	20.13
		3	2	22.00	20.36	20.33	20.02
		3	3	22.00	20.57	20.61	19.96
		6	0	21.50	20.10	20.00	19.57
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	22.00	20.70	20.62	20.13
		1	7	22.00	20.74	20.62	20.13
		1	14	22.00	20.73	20.61	20.12
		8	0	22.00	20.72	20.64	20.09
		8	4	22.00	20.65	20.59	20.13
		8	7	22.00	20.72	20.49	20.16
		15	0	22.00	20.62	20.62	20.11
	16QAM	1	0	22.00	20.96	20.72	20.35
		1	7	22.00	20.92	20.97	20.26
		1	14	22.00	20.76	20.78	20.26
		8	0	22.00	20.61	20.57	20.01
		8	4	22.00	20.57	20.56	20.16
		8	7	22.00	20.49	20.60	20.04
		15	0	22.00	20.67	20.55	20.15
	64QAM	1	0	22.00	20.83	20.67	20.25
		1	7	22.00	20.85	20.84	20.31
		1	14	22.00	20.91	20.88	20.31
		8	0	21.50	20.11	20.01	19.55
		8	4	21.50	20.11	20.10	19.50
		8	7	21.50	20.21	20.14	19.49
		15	0	21.50	20.17	20.18	19.58

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	22.00	20.70	20.64	20.20
		1	13	22.00	20.68	20.63	20.20
		1	24	22.00	20.66	20.53	20.10
		12	0	22.00	20.76	20.70	20.28
		12	6	22.00	20.76	20.65	20.10
		12	13	22.00	20.74	20.63	20.20
		25	0	22.00	20.77	20.64	20.11
	16QAM	1	0	22.00	20.95	20.90	20.33
		1	13	22.00	21.10	20.78	20.36
		1	24	22.00	20.95	20.80	20.30
		12	0	22.00	20.66	20.68	20.07
		12	6	22.00	20.66	20.59	20.14
		12	13	22.00	20.71	20.68	20.26
		25	0	22.00	20.66	20.59	19.99
	64QAM	1	0	22.00	20.79	20.74	20.32
		1	13	22.00	20.86	20.61	20.14
		1	24	22.00	20.74	20.74	20.27
		12	0	21.50	20.25	20.23	19.58
		12	6	21.50	20.11	20.04	19.62
		12	13	21.50	20.17	20.16	19.61
		25	0	21.50	20.12	20.16	19.57
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	22.00	20.61	20.54	20.31
		1	25	22.00	20.39	20.38	19.67
		1	49	22.00	20.68	20.55	20.04
		25	0	22.00	20.72	20.67	20.28
		25	13	22.00	20.68	20.64	20.18
		25	25	22.00	20.72	20.62	20.10
		50	0	22.00	20.64	20.61	20.17
	16QAM	1	0	22.00	20.65	20.59	20.40
		1	25	22.00	20.38	20.44	20.07
		1	49	22.00	20.72	20.74	20.24
		25	0	22.00	20.68	20.59	20.10
		25	13	22.00	20.68	20.60	20.04
		25	25	22.00	20.69	20.58	20.03
		50	0	22.00	20.64	20.56	19.99
	64QAM	1	0	22.00	20.68	20.75	20.16
		1	25	22.00	20.47	20.42	19.71
		1	49	22.00	20.46	20.59	20.39
		25	0	21.50	20.07	20.15	19.65
		25	13	21.50	20.09	20.20	19.55
		25	25	21.50	20.16	20.13	19.67
		50	0	21.50	20.05	20.11	19.53

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	22.00	20.48	20.43	20.48
		1	38	22.00	20.72	20.63	20.21
		1	74	22.00	20.52	20.47	19.94
		36	0	22.00	20.71	20.69	20.47
		36	18	22.00	20.68	20.63	20.33
		36	39	22.00	20.70	20.58	20.23
		75	0	22.00	20.69	20.65	20.30
	16QAM	1	0	22.00	20.62	20.44	20.52
		1	38	22.00	20.67	20.81	20.30
		1	74	22.00	20.47	20.74	20.21
		36	0	22.00	20.64	20.64	20.46
		36	18	22.00	20.62	20.62	20.25
		36	39	22.00	20.68	20.54	20.06
		75	0	22.00	20.65	20.53	20.22
	64QAM	1	0	22.00	20.70	20.54	20.69
		1	38	22.00	20.60	20.82	20.20
		1	74	22.00	20.61	20.50	20.21
		36	0	21.50	20.19	20.15	19.92
		36	18	21.50	20.21	20.18	19.73
		36	39	21.50	20.17	20.12	19.73
		75	0	21.50	20.08	20.12	19.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	22.00	20.57	<b>20.58</b>	20.49
		1	50	22.00	20.37	20.35	20.11
		1	99	22.00	20.49	20.45	19.93
		50	0	22.00	20.57	20.63	20.57
		50	25	22.00	<b>20.64</b>	20.64	20.32
		50	50	22.00	20.61	20.57	20.14
		100	0	22.00	20.49	20.60	20.33
	16QAM	1	0	22.00	20.66	20.74	20.72
		1	50	22.00	20.90	20.55	20.28
		1	99	22.00	20.61	20.64	20.15
		50	0	22.00	20.64	20.56	20.48
		50	25	22.00	20.64	20.57	20.29
		50	50	22.00	20.58	20.54	20.05
		100	0	22.00	20.62	20.54	20.27
	64QAM	1	0	22.00	20.54	20.59	20.49
		1	50	22.00	20.24	20.64	20.28
		1	99	22.00	20.52	20.56	20.01
		50	0	21.50	20.07	20.01	20.01
		50	25	21.50	20.10	20.12	19.87
		50	50	21.50	20.04	20.05	19.50
		100	0	21.50	19.99	20.09	19.83

Table 36: Conducted power test results of LTE Band 66 (Receiver OFF)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	21.00	19.67	19.61	19.14
		1	3	21.00	19.31	19.24	18.70
		1	5	21.00	19.68	19.67	19.15
		3	0	21.00	19.61	19.67	19.06
		3	2	21.00	19.54	19.60	18.87
		3	3	21.00	19.45	19.55	19.05
		6	0	21.00	19.52	19.53	18.98
	16QAM	1	0	21.00	19.81	19.68	19.16
		1	3	21.00	19.24	19.35	18.63
		1	5	21.00	19.68	19.59	19.24
		3	0	21.00	19.71	19.65	19.03
		3	2	21.00	19.51	19.48	18.80
		3	3	21.00	19.59	19.48	19.02
		6	0	21.00	19.49	19.55	19.07
	64QAM	1	0	21.00	19.80	19.68	19.26
		1	3	21.00	19.32	19.50	18.68
		1	5	21.00	19.73	19.65	19.30
		3	0	21.00	19.63	19.59	19.09
		3	2	21.00	19.53	19.45	18.89
		3	3	21.00	19.59	19.46	19.12
		6	0	21.00	19.48	19.65	18.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	21.00	19.64	19.58	19.16
		1	7	21.00	19.72	19.60	19.17
		1	14	21.00	19.67	19.62	19.17
		8	0	21.00	19.59	19.68	19.15
		8	4	21.00	19.73	19.66	19.15
		8	7	21.00	19.53	19.61	19.10
		15	0	21.00	19.63	19.65	19.15
	16QAM	1	0	21.00	19.83	19.75	19.21
		1	7	21.00	19.72	19.87	19.44
		1	14	21.00	19.77	19.74	19.32
		8	0	21.00	19.77	19.54	19.05
		8	4	21.00	19.75	19.59	19.01
		8	7	21.00	19.73	19.67	19.10
		15	0	21.00	19.57	19.58	19.06
	64QAM	1	0	21.00	19.92	19.64	19.31
		1	7	21.00	19.86	19.84	19.26
		1	14	21.00	19.82	19.86	19.21
		8	0	21.00	19.60	19.57	19.12
		8	4	21.00	19.45	19.66	18.94
		8	7	21.00	19.56	19.63	19.06
		15	0	21.00	19.74	19.60	19.11



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	21.00	19.66	19.59	19.19
		1	13	21.00	19.69	19.60	19.23
		1	24	21.00	19.71	19.65	19.17
		12	0	21.00	19.71	19.68	19.24
		12	6	21.00	19.68	19.63	19.19
		12	13	21.00	19.71	19.69	19.24
		25	0	21.00	19.63	19.65	19.16
	16QAM	1	0	21.00	19.70	19.98	19.43
		1	13	21.00	19.81	19.92	19.35
		1	24	21.00	19.92	19.76	19.42
		12	0	21.00	19.75	19.67	19.25
		12	6	21.00	19.69	19.63	19.15
		12	13	21.00	19.83	19.71	19.18
		25	0	21.00	19.64	19.59	19.00
	64QAM	1	0	21.00	19.85	19.82	19.26
		1	13	21.00	19.91	19.82	19.41
		1	24	21.00	19.94	19.77	19.19
		12	0	21.00	19.79	19.73	19.29
		12	6	21.00	19.75	19.66	19.15
		12	13	21.00	19.69	19.68	19.15
		25	0	21.00	19.68	19.62	19.06
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	21.00	19.57	19.62	19.36
		1	25	21.00	19.26	19.20	18.95
		1	49	21.00	19.64	19.54	19.10
		25	0	21.00	19.71	19.65	19.24
		25	13	21.00	19.70	19.65	19.14
		25	25	21.00	19.70	19.60	19.20
		50	0	21.00	19.62	19.64	19.10
	16QAM	1	0	21.00	19.76	19.58	19.31
		1	25	21.00	19.25	19.19	18.73
		1	49	21.00	19.67	19.48	18.99
		25	0	21.00	19.66	19.60	19.13
		25	13	21.00	19.66	19.62	19.01
		25	25	21.00	19.62	19.57	19.10
		50	0	21.00	19.63	19.55	19.01
	64QAM	1	0	21.00	19.61	19.60	19.34
		1	25	21.00	19.58	19.38	18.93
		1	49	21.00	19.79	19.72	19.21
		25	0	21.00	19.59	19.63	19.15
		25	13	21.00	19.62	19.68	19.04
		25	25	21.00	19.69	19.59	19.02
		50	0	21.00	19.66	19.64	19.06

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	21.00	19.50	19.43	19.48
		1	38	21.00	19.75	19.59	19.23
		1	74	21.00	19.51	19.43	18.98
		36	0	21.00	19.68	19.70	19.47
		36	18	21.00	19.73	19.68	19.27
		36	39	21.00	19.73	19.64	19.14
		75	0	21.00	19.65	19.65	19.24
	16QAM	1	0	21.00	19.65	19.61	19.49
		1	38	21.00	20.02	19.86	19.31
		1	74	21.00	19.90	19.62	19.11
		36	0	21.00	19.71	19.57	19.43
		36	18	21.00	19.68	19.63	19.22
		36	39	21.00	19.69	19.60	19.05
		75	0	21.00	19.60	19.58	19.15
	64QAM	1	0	21.00	19.72	19.83	19.86
		1	38	21.00	19.88	19.82	19.26
		1	74	21.00	19.67	19.49	19.10
		36	0	21.00	19.65	19.64	19.44
		36	18	21.00	19.69	19.68	19.28
		36	39	21.00	19.68	19.67	19.10
		75	0	21.00	19.62	19.63	19.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	21.00	19.50	<b>19.57</b>	<b>19.44</b>
		1	50	21.00	19.36	19.35	19.15
		1	99	21.00	<b>19.58</b>	19.49	18.97
		50	0	21.00	<b>19.63</b>	19.59	19.58
		50	25	21.00	19.60	19.60	19.39
		50	50	21.00	19.62	19.55	19.11
		100	0	21.00	<b>19.56</b>	19.52	19.37
	16QAM	1	0	21.00	19.69	19.70	19.58
		1	50	21.00	19.42	19.36	18.94
		1	99	21.00	19.75	19.77	19.32
		50	0	21.00	19.55	19.56	19.51
		50	25	21.00	19.60	19.59	19.32
		50	50	21.00	19.53	19.54	19.09
		100	0	21.00	19.56	19.54	19.27
	64QAM	1	0	21.00	19.83	19.64	19.64
		1	50	21.00	19.28	19.33	19.21
		1	99	21.00	19.74	19.76	19.18
		50	0	21.00	19.63	19.58	19.52
		50	25	21.00	19.68	19.62	19.34
		50	50	21.00	19.59	19.56	19.08
		100	0	21.00	19.51	19.58	19.23

Table 37: Conducted power test results of LTE Band 66 (Receiver OFF+ Hotspot ON)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	17.50	16.24	16.12	15.69
		1	3	17.50	15.96	15.79	15.39
		1	5	17.50	16.19	16.17	15.64
		3	0	17.50	16.20	16.09	15.55
		3	2	17.50	16.05	15.94	15.33
		3	3	17.50	16.10	16.07	15.49
		6	0	17.50	16.06	15.98	15.56
	16QAM	1	0	17.50	16.27	16.14	15.55
		1	3	17.50	15.93	15.62	15.21
		1	5	17.50	16.30	16.18	15.60
		3	0	17.50	16.25	16.05	15.53
		3	2	17.50	15.91	15.86	15.50
		3	3	17.50	16.05	15.96	15.35
		6	0	17.50	16.22	16.10	15.58
	64QAM	1	0	17.50	16.22	16.14	15.75
		1	3	17.50	15.88	15.89	15.34
		1	5	17.50	16.36	16.32	15.76
		3	0	17.50	16.18	16.11	15.55
		3	2	17.50	15.97	15.89	15.60
		3	3	17.50	16.12	16.21	15.48
		6	0	17.50	16.23	16.03	15.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	17.50	16.27	16.14	15.59
		1	7	17.50	16.18	16.13	15.63
		1	14	17.50	16.26	16.15	15.55
		8	0	17.50	16.18	16.05	15.60
		8	4	17.50	16.07	16.08	15.59
		8	7	17.50	16.19	16.00	15.59
		15	0	17.50	16.28	16.17	15.62
	16QAM	1	0	17.50	16.29	16.19	15.58
		1	7	17.50	16.28	16.11	15.82
		1	14	17.50	16.31	16.26	15.71
		8	0	17.50	16.21	16.03	15.55
		8	4	17.50	16.05	16.05	15.53
		8	7	17.50	16.25	16.09	15.46
		15	0	17.50	16.13	16.03	15.58
	64QAM	1	0	17.50	16.30	16.35	15.70
		1	7	17.50	16.19	16.19	15.78
		1	14	17.50	16.49	16.37	15.69
		8	0	17.50	16.17	16.12	15.47
		8	4	17.50	16.21	16.03	15.59
		8	7	17.50	16.19	16.01	15.58
		15	0	17.50	16.05	16.06	15.51

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	17.50	16.22	16.16	16.15
		1	13	17.50	16.18	16.13	15.68
		1	24	17.50	16.24	16.12	15.60
		12	0	17.50	16.24	16.21	15.74
		12	6	17.50	16.24	16.15	15.69
		12	13	17.50	16.30	16.15	15.67
		25	0	17.50	16.16	16.12	15.66
	16QAM	1	0	17.50	16.41	16.22	15.97
		1	13	17.50	16.34	16.28	15.93
		1	24	17.50	16.38	16.25	15.97
		12	0	17.50	16.19	16.13	15.75
		12	6	17.50	16.17	16.07	15.62
		12	13	17.50	16.17	16.12	15.65
		25	0	17.50	16.10	16.04	15.61
	64QAM	1	0	17.50	16.24	16.24	15.55
		1	13	17.50	16.45	16.21	15.93
		1	24	17.50	16.53	16.45	15.73
		12	0	17.50	16.28	16.14	15.72
		12	6	17.50	16.19	16.11	15.51
		12	13	17.50	16.30	16.12	15.62
		25	0	17.50	16.25	16.05	15.61
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	17.50	16.12	16.12	15.87
		1	25	17.50	15.81	15.63	15.11
		1	49	17.50	16.15	16.08	15.61
		25	0	17.50	16.16	16.14	15.79
		25	13	17.50	16.16	16.14	15.70
		25	25	17.50	16.23	16.10	15.66
		50	0	17.50	16.16	16.12	15.72
	16QAM	1	0	17.50	16.17	16.27	15.82
		1	25	17.50	15.93	15.74	15.31
		1	49	17.50	16.17	16.25	15.78
		25	0	17.50	16.12	16.07	15.74
		25	13	17.50	16.21	16.06	15.64
		25	25	17.50	16.20	16.15	15.64
		50	0	17.50	16.15	16.05	15.60
	64QAM	1	0	17.50	16.28	16.15	15.96
		1	25	17.50	16.02	16.07	15.22
		1	49	17.50	16.31	16.27	15.70
		25	0	17.50	16.22	16.12	15.75
		25	13	17.50	16.14	16.07	15.63
		25	25	17.50	16.08	16.03	15.54
		50	0	17.50	16.14	16.04	15.61

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	17.50	15.97	16.04	15.90
		1	38	17.50	16.16	16.22	15.76
		1	74	17.50	16.00	15.99	15.45
		36	0	17.50	16.16	16.12	15.94
		36	18	17.50	16.26	16.14	15.84
		36	39	17.50	16.27	16.17	15.62
		75	0	17.50	16.18	16.09	15.78
	16QAM	1	0	17.50	16.17	16.16	15.99
		1	38	17.50	16.41	16.43	15.78
		1	74	17.50	16.12	16.02	15.54
		36	0	17.50	16.13	16.05	15.84
		36	18	17.50	16.16	16.07	15.76
		36	39	17.50	16.18	16.12	15.56
		75	0	17.50	16.18	15.99	15.68
	64QAM	1	0	17.50	16.24	16.03	15.91
		1	38	17.50	16.38	16.18	15.92
		1	74	17.50	16.11	16.33	15.50
		36	0	17.50	16.18	16.08	15.85
		36	18	17.50	16.17	16.14	15.72
		36	39	17.50	16.14	16.02	15.57
		75	0	17.50	16.10	16.04	15.72
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	17.50	16.08	16.02	16.04
		1	50	17.50	15.93	15.88	15.54
		1	99	17.50	15.95	15.95	15.50
		50	0	17.50	16.20	16.11	16.04
		50	25	17.50	16.24	16.15	15.87
		50	50	17.50	16.14	16.07	15.60
		100	0	17.50	16.14	16.09	15.82
	16QAM	1	0	17.50	16.19	16.14	16.16
		1	50	17.50	16.12	15.98	15.69
		1	99	17.50	16.29	16.35	15.69
		50	0	17.50	16.04	16.03	15.99
		50	25	17.50	16.14	16.07	15.79
		50	50	17.50	16.06	15.95	15.57
		100	0	17.50	16.07	16.05	15.74
	64QAM	1	0	17.50	16.31	16.13	16.17
		1	50	17.50	16.06	15.83	15.61
		1	99	17.50	15.94	16.23	15.53
		50	0	17.50	16.08	16.04	15.96
		50	25	17.50	16.07	16.11	15.79
		50	50	17.50	16.05	15.99	15.53
		100	0	17.50	16.05	16.06	15.75

Table 38: Conducted power test results of LTE Band 66 (Receiver ON+ Hotspot ON)

Note: The conducted power of LTE Band 66 is measured with RMS detector.

## 1.14. Conducted power of 2.4G Wi-Fi

Mode		Receiver ON	Receiver OFF
2.4G Wi-Fi	2G_11b	11.50	<b>18.50</b>
	2G_11g	11.50	18.50
	2G_11n_20M	11.50	18.00
	2G_11n_40M	<b>11.50</b>	17.50

Table 39: TUNE-UP power of 2.4G Wi-Fi

Note:

- 1) The Wi-Fi configuration selected for conducted power measurement with Max TUNE-UP and largest Bandwidth is shown in blue-ground color.
- 2) The initial test configuration for SAR test is shown in bold letter

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
				Max.	
802.11b	1	2412	1Mbps	18.50	17.80
	6	2437		18.50	<b>18.13</b>
	11	2462		18.50	17.67
802.11g	1	2412	6Mbps	12.00	10.48
	2	2417		18.50	17.30
	6	2437		18.50	17.80
	10	2457		18.50	17.40
	11	2462		12.00	10.86

Table 40: Conducted power test results of 2.4G Wi-Fi(Receiver OFF)

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
				Max.	
802.11n 40M	3	2422	MCS0	9.50	7.98
	4	2427		11.00	8.70
	5	2432		11.50	10.13
	6	2437		11.50	<b>10.17</b>
	7	2442		11.50	10.16
	8	2447		11.50	10.12
	9	2452		9.50	7.96

Table 41: Conducted power test results of 2.4G Wi-Fi(Receiver ON)

## 1.15. Conducted power of BT

According to the following Bluetooth TUNE UP, the highest TUNE UP segment is selected as the test mode:

Mode	Channel	Date rate	Max. (dBm)
BDR	0-78	1Mbps	<b>11.00</b>
EDR2	0-78	2Mbps	9.50
EDR3	0-78	3Mbps	9.50
BLE	0-39	2Mbps	8.00

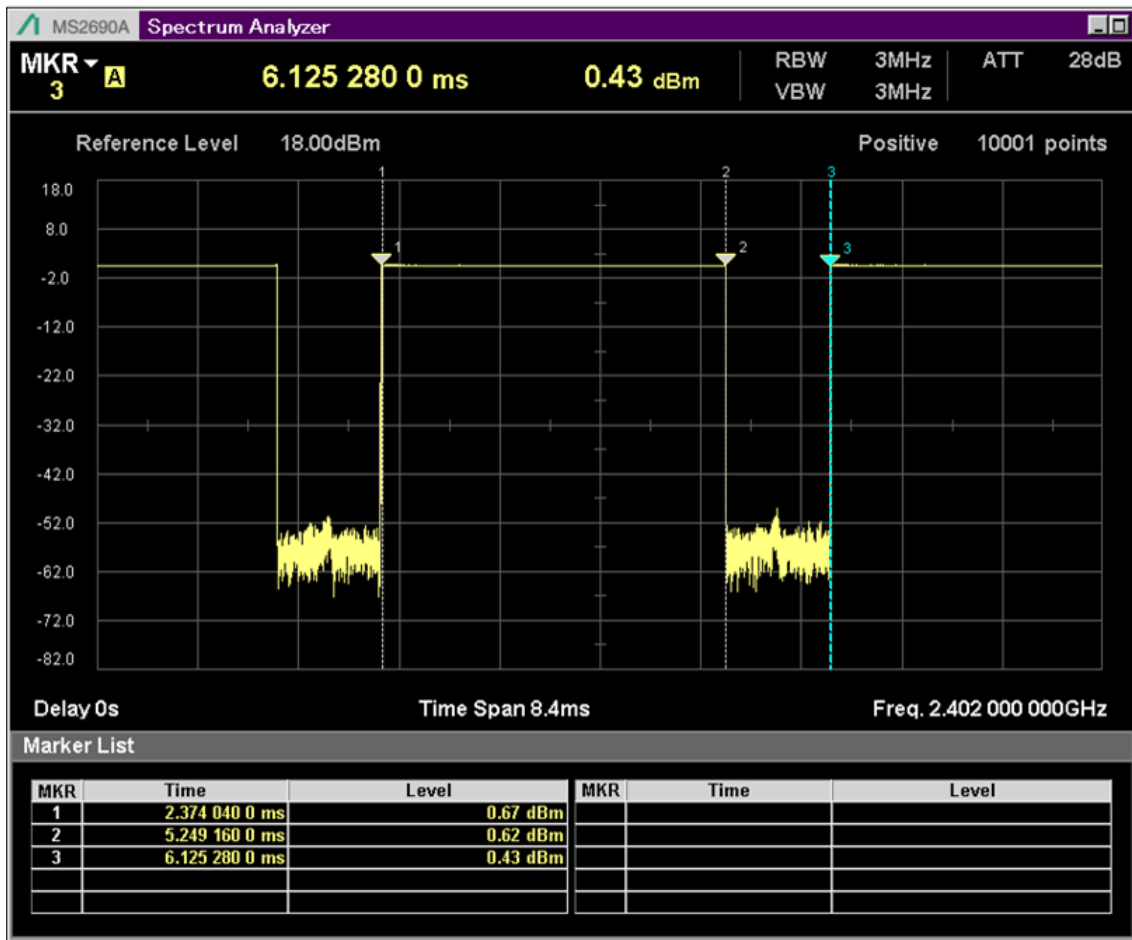
Table 42: Tune up of BT

BT	Duty cycle	Tune-up	Average Power (dBm)		
		Max.	0CH	39CH	78CH
DH5	76.72%	11.00	9.75	<b>9.30</b>	8.42

Table 43: Conducted power test results of BT

Note: The conducted power of BT is measured with RMS detector.

Figure: Bluetooth Transmission Plot



So the actual Bluetooth duty cycle is calculated as below:

$$\text{Duty cycle} = \text{pulse} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.875\text{ms}}{3.747\text{ms}} * 100\% = 76.72\%$$