



Radiated Power (ERP) for LTE Band 71 / 15M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	18.54	1.21	6.40	2.15	21.58	Horizontal	Pass
	1	0	Middle	18.7	1.22	6.40	2.15	21.73	Horizontal	Pass
	1	0	Highest	18.27	1.23	6.40	2.15	21.29	Horizontal	Pass
	1	0	Lowest	19.89	1.21	6.40	2.15	22.93	Vertical	Pass
	1	0	Middle	20.17	1.22	6.40	2.15	23.20	Vertical	Pass
	1	0	Highest	19.67	1.23	6.40	2.15	22.69	Vertical	Pass
16QAM	1	0	Lowest	18.29	1.21	6.40	2.15	21.33	Horizontal	Pass
	1	0	Middle	18.44	1.22	6.40	2.15	21.47	Horizontal	Pass
	1	0	Highest	18.13	1.23	6.40	2.15	21.15	Horizontal	Pass
	1	0	Lowest	19.64	1.21	6.40	2.15	22.68	Vertical	Pass
	1	0	Middle	19.9	1.22	6.40	2.15	22.93	Vertical	Pass
	1	0	Highest	19.46	1.23	6.40	2.15	22.48	Vertical	Pass
Limit	ERP<3W=34.77dBm									

Radiated Power (ERP) for LTE Band 71 / 20M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	18.41	1.21	6.40	2.15	21.45	Horizontal	Pass
	1	0	Middle	18.85	1.22	6.40	2.15	21.88	Horizontal	Pass
	1	0	Highest	18.69	1.23	6.40	2.15	21.71	Horizontal	Pass
	1	0	Lowest	19.86	1.21	6.40	2.15	22.90	Vertical	Pass
	1	0	Middle	20.25	1.22	6.40	2.15	23.28	Vertical	Pass
	1	0	Highest	20.18	1.23	6.40	2.15	23.20	Vertical	Pass
16QAM	1	0	Lowest	18.19	1.21	6.40	2.15	21.23	Horizontal	Pass
	1	0	Middle	18.6	1.22	6.40	2.15	21.63	Horizontal	Pass
	1	0	Highest	18.67	1.23	6.40	2.15	21.69	Horizontal	Pass
	1	0	Lowest	19.55	1.21	6.40	2.15	22.59	Vertical	Pass
	1	0	Middle	20.05	1.22	6.40	2.15	23.08	Vertical	Pass
	1	0	Highest	19.98	1.23	6.40	2.15	23.00	Vertical	Pass
Limit	ERP<3W=34.77dBm									

6. OCCUPIED BANDWIDTH

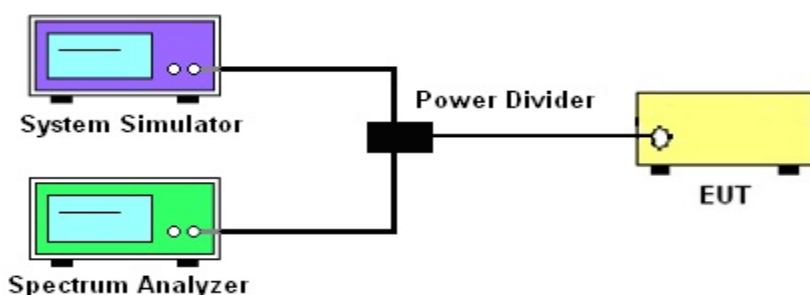
6.1 DESCRIPTION OF OCCUPIED BANDWIDTH MEASUREMENT

6.1.1 MEASUREMENT METHOD

1.The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

2.The 26 db emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 db below the maximum in-band spectral density of the modulated signal. spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

6.1.2 TEST SETUP



6.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01 v03r01 Section 4.2 and 4.3.
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure the Occupied Bandwidth of the spectrum analyzer.
5. Measure and record the Occupied Bandwidth from the Spectrum Analyzer.

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz
Detector	PK	PK	PK	PK	PK	PK
Trace	Max	Max	Max	Max	Max	Max
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto



6.1.4 MEASUREMENT RESULT

LTE Band 2 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.0944	1.301	1.102	1.298	1.094	1.289
1.4	16-QAM	1.0989	1.309	1.0929	1.32	1.093	1.281
3	QPSK	2.675	2.852	2.681	2.861	2.676	2.864
3	16-QAM	2.672	2.854	2.673	2.87	2.674	2.853
5	QPSK	4.534	5.178	4.518	5.187	4.508	5.168
5	16-QAM	4.551	5.66	4.52	5.169	4.53	5.174
10	QPSK	8.945	9.816	8.962	9.956	8.945	9.806
10	16-QAM	8.938	9.92	8.957	9.865	8.952	9.696
15	QPSK	13.44	15	13.512	15.14	13.538	15.18
15	16-QAM	13.481	14.98	13.517	15.03	13.52	14.96
20	QPSK	17.893	19.42	17.984	19.88	17.956	19.44
20	16-QAM	17.932	19.56	17.962	19.67	17.944	19.64

LTE Band 4 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.0969	1.294	1.1029	1.284	1.093	1.292
1.4	16-QAM	1.098	1.306	1.0929	1.278	1.094	1.291
3	QPSK	2.68	2.86	2.676	2.865	2.673	2.851
3	16-QAM	2.6738	2.87	2.676	2.851	2.671	2.854
5	QPSK	4.512	5.403	4.538	5.189	4.517	5.188
5	16-QAM	4.533	5.191	4.543	5.206	4.5183	5.147
10	QPSK	8.941	9.937	8.953	9.849	8.961	9.868
10	16-QAM	8.95	9.72	8.949	9.817	8.95	9.851
15	QPSK	13.478	15.06	13.51	15.06	13.504	15.01
15	16-QAM	13.511	15.01	13.503	15.03	13.504	14.95
20	QPSK	17.942	19.45	17.907	19.4	17.923	19.75
20	16-QAM	17.911	19.56	17.966	19.52	17.926	19.58

LTE Band 5 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.094	1.301	1.101	1.282	1.0925	1.296
1.4	16-QAM	1.1004	1.325	1.094	1.272	1.0931	1.284
3	QPSK	2.675	2.845	2.6797	2.864	2.676	2.859
3	16-QAM	2.6736	2.883	2.674	2.863	2.6732	2.843
5	QPSK	4.534	5.249	4.52	5.14	4.51	5.182
5	16-QAM	4.535	5.189	4.52	5.167	4.536	5.215
10	QPSK	8.952	9.798	8.945	9.802	8.987	9.883
10	16-QAM	8.961	9.824	8.937	9.827	8.979	9.929



LTE Band 12 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.094	1.298	1.1	1.282	1.0928	1.291
1.4	16-QAM	1.1	1.305	1.0889	1.272	1.098	1.35
3	QPSK	2.676	2.893	2.678	2.852	2.677	2.859
3	16-QAM	2.676	2.965	2.671	2.863	2.675	2.853
5	QPSK	4.514	5.185	4.53	5.819	4.531	5.347
5	16-QAM	4.521	5.45	4.554	5.738	4.54	5.202
10	QPSK	8.958	9.895	8.946	9.695	8.937	9.821
10	16-QAM	8.948	9.805	8.949	9.673	8.94	9.808

LTE Band 25 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.092	1.282	1.0988	1.307	1.102	1.286
1.4	16-QAM	1.098	1.31	1.089	1.284	1.0945	1.282
3	QPSK	2.681	2.863	2.676	2.864	2.676	2.86
3	16-QAM	2.672	2.859	2.6757	2.853	2.672	2.851
5	QPSK	4.5339	5.135	4.519	5.222	4.511	5.166
5	16-QAM	4.517	5.14	4.539	5.202	4.536	5.198
10	QPSK	8.955	9.911	8.973	9.913	8.934	9.743
10	16-QAM	8.95	9.861	8.951	9.802	8.931	9.72
15	QPSK	13.448	15.05	13.523	15.17	13.486	15.11
15	16-QAM	13.495	15.14	13.518	15.03	13.464	14.98
20	QPSK	17.909	19.33	17.927	19.55	17.918	19.75
20	16-QAM	17.94	19.69	17.945	19.69	17.885	19.39

LTE Band 26(Part 22) Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.092	1.294	1.1	1.318	1.102	1.282
1.4	16-QAM	1.098	1.303	1.0889	1.28	1.094	1.288
3	QPSK	2.682	2.857	2.676	2.861	2.671	2.849
3	16-QAM	2.675	2.856	2.673	2.853	2.671	2.864
5	QPSK	4.501	4.936	4.493	4.908	4.515	4.932
5	16-QAM	4.511	4.932	4.504	4.958	4.491	4.914
10	QPSK	8.952	9.653	8.912	9.534	8.955	9.563
10	16-QAM	8.937	9.528	8.93	9.588	8.956	9.63
15	QPSK	13.524	14.65	13.442	14.52	13.433	14.52
15	16-QAM	13.528	14.57	13.442	14.59	13.468	14.47

LTE Band 26(Part 90) Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.101	1.28	1.092	1.29	1.0966	1.315
1.4	16-QAM	1.093	1.279	1.099	1.313	1.0867	1.275
3	QPSK	2.68	2.857	2.676	2.857	2.672	2.84
3	16-QAM	2.675	2.873	2.674	2.87	2.672	2.864
5	QPSK	4.5099	4.959	4.496	4.909	4.51	4.935
5	16-QAM	4.517	4.941	4.5	4.964	4.484	4.898
10	QPSK	N/A	N/A	8.948	9.627	N/A	N/A
10	16-QAM	N/A	N/A	8.952	9.551	N/A	N/A

LTE Band 41 Bandwidth [MHz]							
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BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
5	QPSK	4.5038	4.906	4.507	4.917	4.492	4.928
5	16-QAM	4.498	5.124	4.535	8.548	4.508	5.927
10	QPSK	8.928	9.611	8.947	11.15	8.939	9.615
10	16-QAM	8.932	9.446	8.956	14.82	8.956	9.415
15	QPSK	13.437	14.55	13.511	21.32	13.475	14.62
15	16-QAM	13.493	15.96	13.545	23.56	13.515	22.74
20	QPSK	17.893	19.07	17.911	19.33	17.931	19.03
20	16-QAM	17.904	19.53	17.932	24.3	17.914	23.62

LTE Band 66 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.093	1.288	1.094	1.302	1.1029	1.28
1.4	16-QAM	1.0927	1.284	1.098	1.308	1.09	1.277
3	QPSK	2.678	2.859	2.6738	2.857	2.681	2.863
3	16-QAM	2.675	2.847	2.673	2.858	2.674	2.861
5	QPSK	4.523	5.677	4.535	5.197	4.52	5.165
5	16-QAM	4.54	5.312	4.543	5.217	4.52	5.168
10	QPSK	8.943	9.789	8.948	9.803	8.96	9.887
10	16-QAM	8.949	9.701	8.948	9.816	8.951	9.849
15	QPSK	13.497	15.07	13.515	15.08	13.47	14.99
15	16-QAM	13.499	14.97	13.521	15.04	13.502	15.05
20	QPSK	17.955	19.73	17.93	19.42	17.91	19.47
20	16-QAM	17.948	19.7	17.903	19.5	17.972	19.42

LTE Band 71 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
5	QPSK	4.506	5.102	4.531	5.156	4.518	5.204
5	16-QAM	4.529	5.159	4.544	5.208	4.52	5.14
10	QPSK	8.915	9.799	8.957	9.915	8.952	9.861
10	16-QAM	8.918	9.731	8.943	9.868	8.958	9.742
15	QPSK	13.419	14.97	13.495	14.98	13.528	15.09
15	16-QAM	13.45	14.85	13.501	14.95	13.517	14.87
20	QPSK	17.902	19.33	17.94	19.53	17.903	19.41
20	16-QAM	17.926	19.47	17.945	19.55	17.901	19.81

Note: Test chart See Appendix A



7. CONDUCTED BAND EDGE

7.1 DESCRIPTION OF CONDUCTED BAND EDGE MEASUREMENT

7.1.1 MEASUREMENT METHOD

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

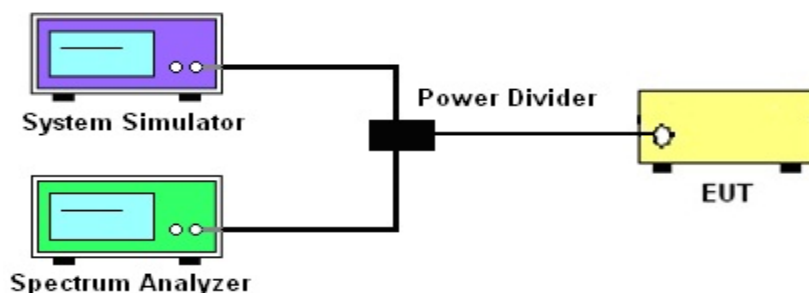
4. §27.53(m)(4)

For operations in the 2500 MHz ~ 2570 MHz band this section, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

7.1.2 TEST SETUP



7.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Set spectrum analyzer with RMS/AVG detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

Band 7:

$$= P(W) - [55 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm}.$$

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	12MHz	13MHz	15MHz	20MHz	25MHz	30MHz
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz
Detector	RMS	RMS	RMS	RMS	RMS	RMS
Trace	Max	Max	Max	Max	Max	Max
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto

7.1.4 MEASUREMENT RESULT

Note: Test chart See Appendix B

8. CONDUCTED SPURIOUS EMISSION

8.1 DESCRIPTION OF CONDUCTED SPURIOUS EMISSION MEASUREMENT

8.1.1 MEASUREMENT METHOD

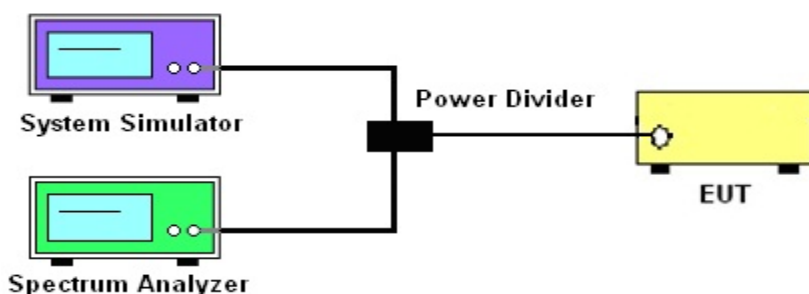
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

8.1.2 TEST SETUP



8.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

For Band 7: $P(W) - [43 + 10\log(P)] \text{ (dB)} = -25\text{dBm}$

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	Auto	Auto	Auto	Auto	Auto	Auto
RBW	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz
VBW	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz
Detector	PK	PK	PK	PK	PK	PK
Trace	Max	Max	Max	Max	Max	Max

8.1.4 TEST RESULTS

Note: Test chart See Appendix C

9. RADIATED SPURIOUS EMISSION

9.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

9.1.1 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7 The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

9.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + Gain \text{ (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.

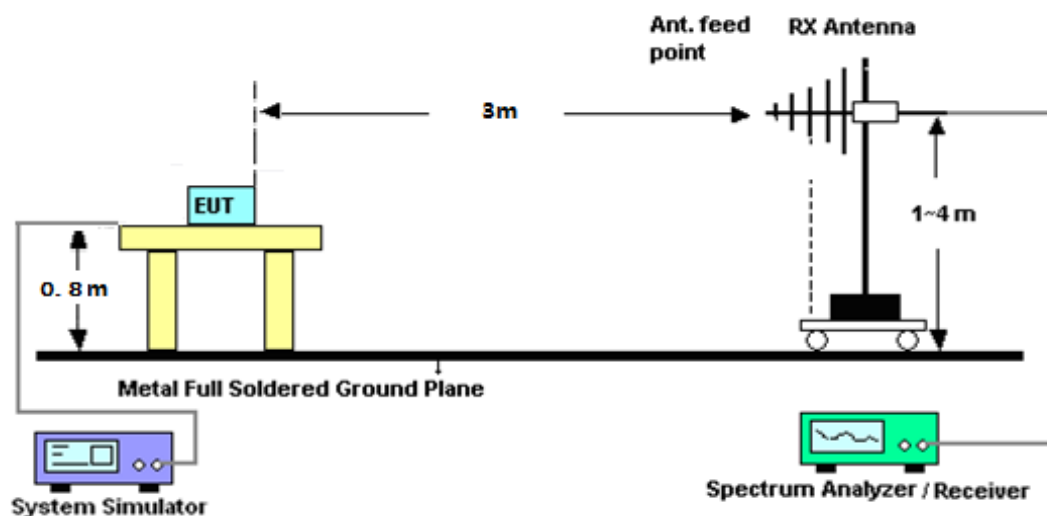
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

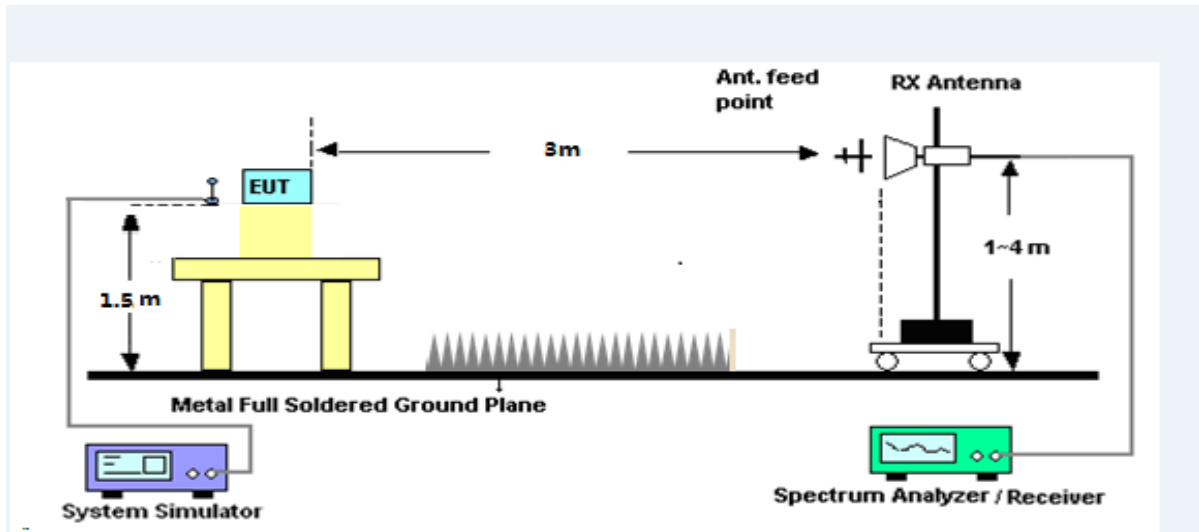
The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

Power=PMea+ARpl

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



9.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 Section 7 and ANSI C63.26 2015 Section 5.5.
2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm

For Band 7:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm

$P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}; \text{Margin} = P_{Mea} - \text{Limit}.$



9.1.4 TEST RESULTS

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3703.96	-34.77	12.60	12.93	-35.10	-13.00	-22.10	H
5557.20	-35.19	13.10	17.11	-39.20	-13.00	-26.20	H
7409.88	-32.75	11.50	22.20	-43.45	-13.00	-30.45	H
3703.96	-35.37	12.60	12.93	-35.70	-13.00	-22.70	V
5557.20	-34.60	13.10	17.11	-38.61	-13.00	-25.61	V
7409.88	-33.15	11.50	22.20	-43.85	-13.00	-30.85	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.66	-34.18	12.60	12.93	-34.51	-13.00	-21.51	H
5639.62	-34.94	13.10	17.11	-38.95	-13.00	-25.95	H
7520.20	-33.60	11.50	22.20	-44.30	-13.00	-31.30	H
3759.66	-35.02	12.60	12.93	-35.35	-13.00	-22.35	V
5639.62	-35.01	13.10	17.11	-39.02	-13.00	-26.02	V
7520.20	-32.76	11.50	22.20	-43.46	-13.00	-30.46	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3818.14	-33.82	12.60	12.93	-34.15	-13.00	-21.15	H
5727.30	-34.71	13.10	17.11	-38.72	-13.00	-25.72	H
7636.69	-33.04	11.50	22.20	-43.74	-13.00	-30.74	H
3818.14	-35.54	12.60	12.93	-35.87	-13.00	-22.87	V
5727.30	-34.07	13.10	17.11	-38.08	-13.00	-25.08	V
7636.69	-32.01	11.50	22.20	-42.71	-13.00	-29.71	V



LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3703.67	-34.60	12.60	12.93	-34.93	-13.00	-21.93	H
5557.19	-35.43	13.10	17.11	-39.44	-13.00	-26.44	H
7409.54	-33.18	11.50	22.20	-43.88	-13.00	-30.88	H
3703.67	-35.50	12.60	12.93	-35.83	-13.00	-22.83	V
5557.19	-34.04	13.10	17.11	-38.05	-13.00	-25.05	V
7409.54	-32.02	11.50	22.20	-42.72	-13.00	-29.72	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.94	-34.74	12.60	12.93	-35.07	-13.00	-22.07	H
5639.44	-35.01	13.10	17.11	-39.02	-13.00	-26.02	H
7520.24	-32.38	11.50	22.20	-43.08	-13.00	-30.08	H
3759.94	-35.60	12.60	12.93	-35.93	-13.00	-22.93	V
5639.44	-34.36	13.10	17.11	-38.37	-13.00	-25.37	V
7520.24	-32.06	11.50	22.20	-42.76	-13.00	-29.76	V
LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3818.10	-34.36	12.60	12.93	-34.69	-13.00	-21.69	H
5727.31	-34.75	13.10	17.11	-38.76	-13.00	-25.76	H
7636.78	-33.13	11.50	22.20	-43.83	-13.00	-30.83	H
3818.10	-35.85	12.60	12.93	-36.18	-13.00	-23.18	V
5727.31	-35.11	13.10	17.11	-39.12	-13.00	-26.12	V
7636.78	-32.96	11.50	22.20	-43.66	-13.00	-30.66	V



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3704.68	-33.76	12.60	12.93	-34.09	-13.00	-21.09	H
5557.71	-34.92	13.10	17.11	-38.93	-13.00	-25.93	H
7410.10	-33.61	11.50	22.20	-44.31	-13.00	-31.31	H
3704.68	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5557.71	-34.42	13.10	17.11	-38.43	-13.00	-25.43	V
7410.10	-32.09	11.50	22.20	-42.79	-13.00	-29.79	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.81	-34.11	12.60	12.93	-34.44	-13.00	-21.44	H
5639.83	-35.38	13.10	17.11	-39.39	-13.00	-26.39	H
7519.86	-33.42	11.50	22.20	-44.12	-13.00	-31.12	H
3759.81	-35.63	12.60	12.93	-35.96	-13.00	-22.96	V
5639.83	-34.06	13.10	17.11	-38.07	-13.00	-25.07	V
7519.86	-33.15	11.50	22.20	-43.85	-13.00	-30.85	V
LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3813.77	-34.25	12.60	12.93	-34.58	-13.00	-21.58	H
5721.18	-35.41	13.10	17.11	-39.42	-13.00	-26.42	H
7628.52	-33.65	11.50	22.20	-44.35	-13.00	-31.35	H
3813.77	-35.32	12.60	12.93	-35.65	-13.00	-22.65	V
5721.18	-34.39	13.10	17.11	-38.40	-13.00	-25.40	V
7628.52	-32.83	11.50	22.20	-43.53	-13.00	-30.53	V



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3710.36	-34.06	12.60	12.93	-34.39	-13.00	-21.39	H
5565.48	-35.45	13.10	17.11	-39.46	-13.00	-26.46	H
7420.70	-33.01	11.50	22.20	-43.71	-13.00	-30.71	H
3710.36	-34.83	12.60	12.93	-35.16	-13.00	-22.16	V
5565.48	-33.94	13.10	17.11	-37.95	-13.00	-24.95	V
7420.70	-32.62	11.50	22.20	-43.32	-13.00	-30.32	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.86	-34.06	12.60	12.93	-34.39	-13.00	-21.39	H
5639.42	-34.23	13.10	17.11	-38.24	-13.00	-25.24	H
7520.22	-32.49	11.50	22.20	-43.19	-13.00	-30.19	H
3759.86	-35.09	12.60	12.93	-35.42	-13.00	-22.42	V
5639.42	-35.16	13.10	17.11	-39.17	-13.00	-26.17	V
7520.22	-31.99	11.50	22.20	-42.69	-13.00	-29.69	V
LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3808.87	-34.69	12.60	12.93	-35.02	-13.00	-22.02	H
5713.51	-35.23	13.10	17.11	-39.24	-13.00	-26.24	H
7618.14	-32.56	11.50	22.20	-43.26	-13.00	-30.26	H
3808.87	-35.41	12.60	12.93	-35.74	-13.00	-22.74	V
5713.51	-35.16	13.10	17.11	-39.17	-13.00	-26.17	V
7618.14	-32.11	11.50	22.20	-42.81	-13.00	-29.81	V



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3715.66	-33.93	12.60	12.93	-34.26	-13.00	-21.26	H
5574.05	-34.06	13.10	17.11	-38.07	-13.00	-25.07	H
7618.50	-33.29	11.50	22.20	-43.99	-13.00	-30.99	H
3715.66	-34.89	12.60	12.93	-35.22	-13.00	-22.22	V
5574.05	-33.95	13.10	17.11	-37.96	-13.00	-24.96	V
7618.50	-32.00	11.50	22.20	-42.70	-13.00	-29.70	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.54	-34.71	12.60	12.93	-35.04	-13.00	-22.04	H
5639.53	-34.78	13.10	17.11	-38.79	-13.00	-25.79	H
7520.18	-32.67	11.50	22.20	-43.37	-13.00	-30.37	H
3759.54	-35.68	12.60	12.93	-36.01	-13.00	-23.01	V
5639.53	-35.18	13.10	17.11	-39.19	-13.00	-26.19	V
7520.18	-32.91	11.50	22.20	-43.61	-13.00	-30.61	V
LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3803.16	-33.51	12.60	12.93	-33.84	-13.00	-20.84	H
5705.42	-35.04	13.10	17.11	-39.05	-13.00	-26.05	H
7607.17	-32.43	11.50	22.20	-43.13	-13.00	-30.13	H
3803.16	-34.82	12.60	12.93	-35.15	-13.00	-22.15	V
5705.42	-34.39	13.10	17.11	-38.40	-13.00	-25.40	V
7607.17	-31.88	11.50	22.20	-42.58	-13.00	-29.58	V



LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3720.99	-34.33	12.60	12.93	-34.66	-13.00	-21.66	H
5581.19	-34.80	13.10	17.11	-38.81	-13.00	-25.81	H
7441.81	-33.09	11.50	22.20	-43.79	-13.00	-30.79	H
3720.99	-35.65	12.60	12.93	-35.98	-13.00	-22.98	V
5581.19	-34.06	13.10	17.11	-38.07	-13.00	-25.07	V
7441.81	-32.51	11.50	22.20	-43.21	-13.00	-30.21	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.88	-34.59	12.60	12.93	-34.92	-13.00	-21.92	H
5639.63	-34.81	13.10	17.11	-38.82	-13.00	-25.82	H
7519.80	-32.99	11.50	22.20	-43.69	-13.00	-30.69	H
3759.88	-34.69	12.60	12.93	-35.02	-13.00	-22.02	V
5639.63	-34.08	13.10	17.11	-38.09	-13.00	-25.09	V
7519.80	-32.60	11.50	22.20	-43.30	-13.00	-30.30	V
LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3798.38	-34.48	12.60	12.93	-34.81	-13.00	-21.81	H
5697.27	-35.25	13.10	17.11	-39.26	-13.00	-26.26	H
7596.80	-32.41	11.50	22.20	-43.11	-13.00	-30.11	H
3798.38	-35.91	12.60	12.93	-36.24	-13.00	-23.24	V
5697.27	-34.76	13.10	17.11	-38.77	-13.00	-25.77	V
7596.80	-33.16	11.50	22.20	-43.86	-13.00	-30.86	V



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3421.31	-33.74	12.90	12.56	-33.40	-13.00	-20.40	H
5131.79	-34.66	13.10	16.32	-37.88	-13.00	-24.88	H
6842.47	-32.94	12.33	21.13	-41.74	-13.00	-28.74	H
3421.31	-35.47	12.90	12.56	-35.13	-13.00	-22.13	V
5131.79	-34.05	13.10	16.32	-37.27	-13.00	-24.27	V
6842.47	-32.14	12.33	21.13	-40.94	-13.00	-27.94	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.73	-34.87	12.90	12.56	-34.53	-13.00	-21.53	H
5196.76	-34.37	13.10	16.32	-37.59	-13.00	-24.59	H
6930.01	-32.82	12.33	21.13	-41.62	-13.00	-28.62	H
3464.73	-35.08	12.90	12.56	-34.74	-13.00	-21.74	V
5196.76	-33.77	13.10	16.32	-36.99	-13.00	-23.99	V
6930.01	-32.16	12.33	21.13	-40.96	-13.00	-27.96	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3508.46	-33.74	12.90	12.56	-33.40	-13.00	-20.40	H
5262.60	-35.26	13.10	16.32	-38.48	-13.00	-25.48	H
7015.71	-32.34	12.33	21.13	-41.14	-13.00	-28.14	H
3508.46	-34.77	12.90	12.56	-34.43	-13.00	-21.43	V
5262.60	-34.98	13.10	16.32	-38.20	-13.00	-25.20	V
7015.71	-32.21	12.33	21.13	-41.01	-13.00	-28.01	V



LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.03	-34.07	12.90	12.56	-33.73	-13.00	-20.73	H
5136.11	-34.62	13.10	16.32	-37.84	-13.00	-24.84	H
6848.81	-32.30	12.33	21.13	-41.10	-13.00	-28.10	H
3424.03	-35.85	12.90	12.56	-35.51	-13.00	-22.51	V
5136.11	-34.10	13.10	16.32	-37.32	-13.00	-24.32	V
6848.81	-31.90	12.33	21.13	-40.70	-13.00	-27.70	V
LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3464.59	-33.69	12.90	12.56	-33.35	-13.00	-20.35	H
5196.58	-35.01	13.10	16.32	-38.23	-13.00	-25.23	H
6929.77	-32.72	12.33	21.13	-41.52	-13.00	-28.52	H
3464.59	-35.36	12.90	12.56	-35.02	-13.00	-22.02	V
5196.58	-35.22	13.10	16.32	-38.44	-13.00	-25.44	V
6929.77	-33.17	12.33	21.13	-41.97	-13.00	-28.97	V
LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3506.09	-33.53	12.90	12.56	-33.19	-13.00	-20.19	H
5262.03	-34.34	13.10	16.32	-37.56	-13.00	-24.56	H
7012.79	-33.10	12.33	21.13	-41.90	-13.00	-28.90	H
3506.09	-34.60	12.90	12.56	-34.26	-13.00	-21.26	V
5262.03	-35.12	13.10	16.32	-38.34	-13.00	-25.34	V
7012.79	-32.60	12.33	21.13	-41.40	-13.00	-28.40	V



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3424.93	-33.70	12.90	12.56	-33.36	-13.00	-20.36	H
5137.10	-34.96	13.10	16.32	-38.18	-13.00	-25.18	H
6849.65	-32.93	12.33	21.13	-41.73	-13.00	-28.73	H
3424.93	-35.33	12.90	12.56	-34.99	-13.00	-21.99	V
5137.10	-34.14	13.10	16.32	-37.36	-13.00	-24.36	V
6849.65	-32.06	12.33	21.13	-40.86	-13.00	-27.86	V
LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.33	-34.53	12.90	12.56	-34.19	-13.00	-21.19	H
5196.73	-34.93	13.10	16.32	-38.15	-13.00	-25.15	H
6929.89	-32.71	12.33	21.13	-41.51	-13.00	-28.51	H
3464.33	-35.94	12.90	12.56	-35.60	-13.00	-22.60	V
5196.73	-34.28	13.10	16.32	-37.50	-13.00	-24.50	V
6929.89	-32.85	12.33	21.13	-41.65	-13.00	-28.65	V
LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3504.87	-33.92	12.90	12.56	-33.58	-13.00	-20.58	H
5257.23	-34.62	13.10	16.32	-37.84	-13.00	-24.84	H
7010.07	-33.62	12.33	21.13	-42.42	-13.00	-29.42	H
3504.87	-35.82	12.90	12.56	-35.48	-13.00	-22.48	V
5257.23	-34.80	13.10	16.32	-38.02	-13.00	-25.02	V
7010.07	-33.17	12.33	21.13	-41.97	-13.00	-28.97	V



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3429.91	-34.44	12.90	12.56	-34.10	-13.00	-21.10	H
5145.21	-34.69	13.10	16.32	-37.91	-13.00	-24.91	H
6860.27	-33.17	12.33	21.13	-41.97	-13.00	-28.97	H
3429.91	-35.30	12.90	12.56	-34.96	-13.00	-21.96	V
5145.21	-35.00	13.10	16.32	-38.22	-13.00	-25.22	V
6860.27	-32.84	12.33	21.13	-41.64	-13.00	-28.64	V
LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.62	-33.81	12.90	12.56	-33.47	-13.00	-20.47	H
5196.76	-34.27	13.10	16.32	-37.49	-13.00	-24.49	H
6929.76	-32.42	12.33	21.13	-41.22	-13.00	-28.22	H
3464.62	-34.98	12.90	12.56	-34.64	-13.00	-21.64	V
5196.76	-34.82	13.10	16.32	-38.04	-13.00	-25.04	V
6929.76	-32.32	12.33	21.13	-41.12	-13.00	-28.12	V
LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3500.54	-34.66	12.90	12.56	-34.32	-13.00	-21.32	H
5250.47	-34.32	13.10	16.32	-37.54	-13.00	-24.54	H
6999.74	-33.35	12.33	21.13	-42.15	-13.00	-29.15	H
3500.54	-35.29	12.90	12.56	-34.95	-13.00	-21.95	V
5250.47	-34.60	13.10	16.32	-37.82	-13.00	-24.82	V
6999.74	-32.13	12.33	21.13	-40.93	-13.00	-27.93	V



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3434.74	-34.75	12.90	12.56	-34.41	-13.00	-21.41	H
5152.25	-34.19	13.10	16.32	-37.41	-13.00	-24.41	H
6870.28	-32.96	12.33	21.13	-41.76	-13.00	-28.76	H
3434.74	-34.68	12.90	12.56	-34.34	-13.00	-21.34	V
5152.25	-34.47	13.10	16.32	-37.69	-13.00	-24.69	V
6870.28	-32.01	12.33	21.13	-40.81	-13.00	-27.81	V
LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.85	-34.32	12.90	12.56	-33.98	-13.00	-20.98	H
5196.66	-34.77	13.10	16.32	-37.99	-13.00	-24.99	H
6929.80	-32.54	12.33	21.13	-41.34	-13.00	-28.34	H
3464.85	-35.81	12.90	12.56	-35.47	-13.00	-22.47	V
5196.66	-34.83	13.10	16.32	-38.05	-13.00	-25.05	V
6929.80	-32.35	12.33	21.13	-41.15	-13.00	-28.15	V
LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3495.36	-34.17	12.90	12.56	-33.83	-13.00	-20.83	H
5241.96	-35.12	13.10	16.32	-38.34	-13.00	-25.34	H
6989.95	-32.94	12.33	21.13	-41.74	-13.00	-28.74	H
3495.36	-34.78	12.90	12.56	-34.44	-13.00	-21.44	V
5241.96	-34.23	13.10	16.32	-37.45	-13.00	-24.45	V
6989.95	-32.60	12.33	21.13	-41.40	-13.00	-28.40	V



LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3440.29	-33.91	12.90	12.56	-33.57	-13.00	-20.57	H
5159.91	-34.26	13.10	16.32	-37.48	-13.00	-24.48	H
6880.74	-33.28	12.33	21.13	-42.08	-13.00	-29.08	H
3440.29	-35.41	12.90	12.56	-35.07	-13.00	-22.07	V
5159.91	-34.27	13.10	16.32	-37.49	-13.00	-24.49	V
6880.74	-33.03	12.33	21.13	-41.83	-13.00	-28.83	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3464.73	-34.21	12.90	12.56	-33.87	-13.00	-20.87	H
5196.40	-35.07	13.10	16.32	-38.29	-13.00	-25.29	H
6929.92	-33.21	12.33	21.13	-42.01	-13.00	-29.01	H
3464.73	-34.98	12.90	12.56	-34.64	-13.00	-21.64	V
5196.40	-34.64	13.10	16.32	-37.86	-13.00	-24.86	V
6929.92	-32.46	12.33	21.13	-41.26	-13.00	-28.26	V
LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.41	-34.23	12.90	12.56	-33.89	-13.00	-20.89	H
5234.91	-34.33	13.10	16.32	-37.55	-13.00	-24.55	H
6979.44	-32.35	12.33	21.13	-41.15	-13.00	-28.15	H
3490.41	-35.82	12.90	12.56	-35.48	-13.00	-22.48	V
5234.91	-34.62	13.10	16.32	-37.84	-13.00	-24.84	V
6979.44	-32.62	12.33	21.13	-41.42	-13.00	-28.42	V



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1648.63	-34.74	9.56	9.72	-34.90	-13.00	-21.90	H
2473.44	-34.21	10.50	10.86	-34.57	-13.00	-21.57	H
3298.30	-32.43	12.78	11.57	-31.22	-13.00	-18.22	H
1648.63	-35.18	9.56	9.72	-35.34	-13.00	-22.34	V
2473.44	-35.12	10.50	10.86	-35.48	-13.00	-22.48	V
3298.30	-33.20	12.78	11.57	-31.99	-13.00	-18.99	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.64	-33.93	9.56	9.72	-34.09	-13.00	-21.09	H
2509.34	-35.16	10.50	10.86	-35.52	-13.00	-22.52	H
3345.70	-32.16	12.78	11.57	-30.95	-13.00	-17.95	H
1672.64	-34.88	9.56	9.72	-35.04	-13.00	-22.04	V
2509.34	-35.02	10.50	10.86	-35.38	-13.00	-22.38	V
3345.70	-32.65	12.78	11.57	-31.44	-13.00	-18.44	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1696.09	-33.65	9.56	9.72	-33.81	-13.00	-20.81	H
2544.33	-34.00	10.50	10.86	-34.36	-13.00	-21.36	H
3393.17	-32.40	12.78	11.57	-31.19	-13.00	-18.19	H
1696.09	-35.95	9.56	9.72	-36.11	-13.00	-23.11	V
2544.33	-34.13	10.50	10.86	-34.49	-13.00	-21.49	V
3393.17	-31.77	12.78	11.57	-30.56	-13.00	-17.56	V



LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1650.06	-33.76	9.56	9.72	-33.92	-13.00	-20.92	H
2475.84	-34.75	10.50	10.86	-35.11	-13.00	-22.11	H
3301.42	-32.21	12.78	11.57	-31.00	-13.00	-18.00	H
1650.06	-35.51	9.56	9.72	-35.67	-13.00	-22.67	V
2475.84	-33.85	10.50	10.86	-34.21	-13.00	-21.21	V
3301.42	-32.30	12.78	11.57	-31.09	-13.00	-18.09	V
LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.27	-33.66	9.56	9.72	-33.82	-13.00	-20.82	H
2508.95	-34.97	10.50	10.86	-35.33	-13.00	-22.33	H
3345.58	-32.46	12.78	11.57	-31.25	-13.00	-18.25	H
1672.27	-34.94	9.56	9.72	-35.10	-13.00	-22.10	V
2508.95	-34.33	10.50	10.86	-34.69	-13.00	-21.69	V
3345.58	-32.95	12.78	11.57	-31.74	-13.00	-18.74	V
LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1694.28	-33.61	9.56	9.72	-33.77	-13.00	-20.77	H
2542.00	-34.68	10.50	10.86	-35.04	-13.00	-22.04	H
3389.46	-32.90	12.78	11.57	-31.69	-13.00	-18.69	H
1694.28	-35.78	9.56	9.72	-35.94	-13.00	-22.94	V
2542.00	-34.54	10.50	10.86	-34.90	-13.00	-21.90	V
3389.46	-32.90	12.78	11.57	-31.69	-13.00	-18.69	V



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1652.52	-33.89	9.56	9.72	-34.05	-13.00	-21.05	H
2478.86	-34.58	10.50	10.86	-34.94	-13.00	-21.94	H
3305.32	-32.89	12.78	11.57	-31.68	-13.00	-18.68	H
1652.52	-35.93	9.56	9.72	-36.09	-13.00	-23.09	V
2478.86	-34.96	10.50	10.86	-35.32	-13.00	-22.32	V
3305.32	-33.06	12.78	11.57	-31.85	-13.00	-18.85	V
LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.51	-34.47	9.56	9.72	-34.63	-13.00	-21.63	H
2508.82	-35.26	10.50	10.86	-35.62	-13.00	-22.62	H
3345.53	-32.25	12.78	11.57	-31.04	-13.00	-18.04	H
1672.51	-35.08	9.56	9.72	-35.24	-13.00	-22.24	V
2508.82	-34.55	10.50	10.86	-34.91	-13.00	-21.91	V
3345.53	-32.15	12.78	11.57	-30.94	-13.00	-17.94	V
LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1692.32	-33.79	9.56	9.72	-33.95	-13.00	-20.95	H
2539.01	-34.35	10.50	10.86	-34.71	-13.00	-21.71	H
3385.50	-33.32	12.78	11.57	-32.11	-13.00	-19.11	H
1692.32	-35.12	9.56	9.72	-35.28	-13.00	-22.28	V
2539.01	-35.07	10.50	10.86	-35.43	-13.00	-22.43	V
3385.50	-32.03	12.78	11.57	-30.82	-13.00	-17.82	V



LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1657.92	-33.79	9.56	9.72	-33.95	-13.00	-20.95	H
2486.25	-34.45	10.50	10.86	-34.81	-13.00	-21.81	H
3315.30	-32.26	12.78	11.57	-31.05	-13.00	-18.05	H
1657.92	-34.89	9.56	9.72	-35.05	-13.00	-22.05	V
2486.25	-34.50	10.50	10.86	-34.86	-13.00	-21.86	V
3315.30	-31.81	12.78	11.57	-30.60	-13.00	-17.60	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.56	-34.01	9.56	9.72	-34.17	-13.00	-21.17	H
2508.82	-34.54	10.50	10.86	-34.90	-13.00	-21.90	H
3345.04	-32.20	12.78	11.57	-30.99	-13.00	-17.99	H
1672.56	-34.78	9.56	9.72	-34.94	-13.00	-21.94	V
2508.82	-33.83	10.50	10.86	-34.19	-13.00	-21.19	V
3345.04	-32.44	12.78	11.57	-31.23	-13.00	-18.23	V
LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1687.67	-34.92	9.56	9.72	-35.08	-13.00	-22.08	H
2531.20	-34.79	10.50	10.86	-35.15	-13.00	-22.15	H
3375.88	-32.38	12.78	11.57	-31.17	-13.00	-18.17	H
1687.67	-35.01	9.56	9.72	-35.17	-13.00	-22.17	V
2531.20	-34.24	10.50	10.86	-34.60	-13.00	-21.60	V
3375.88	-32.13	12.78	11.57	-30.92	-13.00	-17.92	V



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1399.13	-33.55	8.17	9.34	-34.72	-13.00	-21.72	H
2098.83	-34.85	9.53	10.42	-35.74	-13.00	-22.74	H
2798.36	-33.61	11.27	11.12	-33.46	-13.00	-20.46	H
1399.13	-35.61	8.17	9.34	-36.78	-13.00	-23.78	V
2098.83	-33.85	9.53	10.42	-34.74	-13.00	-21.74	V
2798.36	-32.03	11.27	11.12	-31.88	-13.00	-18.88	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.70	-33.60	8.17	9.34	-34.77	-13.00	-21.77	H
2122.28	-35.06	9.53	10.42	-35.95	-13.00	-22.95	H
2829.95	-33.43	11.27	11.12	-33.28	-13.00	-20.28	H
1414.70	-35.79	8.17	9.34	-36.96	-13.00	-23.96	V
2122.28	-34.41	9.53	10.42	-35.30	-13.00	-22.30	V
2829.95	-31.79	11.27	11.12	-31.64	-13.00	-18.64	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1430.39	-34.60	8.17	9.34	-35.77	-13.00	-22.77	H
2145.52	-34.55	9.53	10.42	-35.44	-13.00	-22.44	H
2860.83	-33.19	11.27	11.12	-33.04	-13.00	-20.04	H
1430.39	-34.94	8.17	9.34	-36.11	-13.00	-23.11	V
2145.52	-34.81	9.53	10.42	-35.70	-13.00	-22.70	V
2860.83	-32.46	11.27	11.12	-32.31	-13.00	-19.31	V



LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1400.69	-33.95	8.17	9.34	-35.12	-13.00	-22.12	H
2101.34	-34.45	9.53	10.42	-35.34	-13.00	-22.34	H
2801.53	-32.65	11.27	11.12	-32.50	-13.00	-19.50	H
1400.69	-35.26	8.17	9.34	-36.43	-13.00	-23.43	V
2101.34	-35.02	9.53	10.42	-35.91	-13.00	-22.91	V
2801.53	-32.27	11.27	11.12	-32.12	-13.00	-19.12	V
LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.68	-33.70	8.17	9.34	-34.87	-13.00	-21.87	H
2122.09	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2829.65	-32.58	11.27	11.12	-32.43	-13.00	-19.43	H
1414.68	-35.69	8.17	9.34	-36.86	-13.00	-23.86	V
2122.09	-34.64	9.53	10.42	-35.53	-13.00	-22.53	V
2829.65	-32.45	11.27	11.12	-32.30	-13.00	-19.30	V
LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1428.96	-33.88	8.17	9.34	-35.05	-13.00	-22.05	H
2143.32	-34.53	9.53	10.42	-35.42	-13.00	-22.42	H
2857.86	-32.31	11.27	11.12	-32.16	-13.00	-19.16	H
1428.96	-35.25	8.17	9.34	-36.42	-13.00	-23.42	V
2143.32	-35.19	9.53	10.42	-36.08	-13.00	-23.08	V
2857.86	-32.55	11.27	11.12	-32.40	-13.00	-19.40	V



LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1402.67	-34.55	8.17	9.34	-35.72	-13.00	-22.72	H
2104.44	-34.11	9.53	10.42	-35.00	-13.00	-22.00	H
2805.50	-33.07	11.27	11.12	-32.92	-13.00	-19.92	H
1402.67	-35.93	8.17	9.34	-37.10	-13.00	-24.10	V
2104.44	-34.35	9.53	10.42	-35.24	-13.00	-22.24	V
2805.50	-31.80	11.27	11.12	-31.65	-13.00	-18.65	V
LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.82	-34.90	8.17	9.34	-36.07	-13.00	-23.07	H
2122.50	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2829.95	-32.93	11.27	11.12	-32.78	-13.00	-19.78	H
1414.82	-34.75	8.17	9.34	-35.92	-13.00	-22.92	V
2122.50	-35.19	9.53	10.42	-36.08	-13.00	-23.08	V
2829.95	-32.80	11.27	11.12	-32.65	-13.00	-19.65	V
LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1426.82	-33.92	8.17	9.34	-35.09	-13.00	-22.09	H
2140.32	-34.73	9.53	10.42	-35.62	-13.00	-22.62	H
2853.78	-33.17	11.27	11.12	-33.02	-13.00	-20.02	H
1426.82	-35.34	8.17	9.34	-36.51	-13.00	-23.51	V
2140.32	-34.60	9.53	10.42	-35.49	-13.00	-22.49	V
2853.78	-32.21	11.27	11.12	-32.06	-13.00	-19.06	V



LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1407.51	-34.08	8.17	9.34	-35.25	-13.00	-22.25	H
2111.70	-34.55	9.53	10.42	-35.44	-13.00	-22.44	H
2815.78	-33.12	11.27	11.12	-32.97	-13.00	-19.97	H
1407.51	-35.46	8.17	9.34	-36.63	-13.00	-23.63	V
2111.70	-34.27	9.53	10.42	-35.16	-13.00	-22.16	V
2815.78	-32.40	11.27	11.12	-32.25	-13.00	-19.25	V
LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1414.96	-33.84	8.17	9.34	-35.01	-13.00	-22.01	H
2122.12	-34.68	9.53	10.42	-35.57	-13.00	-22.57	H
2830.00	-32.76	11.27	11.12	-32.61	-13.00	-19.61	H
1414.96	-35.45	8.17	9.34	-36.62	-13.00	-23.62	V
2122.12	-34.92	9.53	10.42	-35.81	-13.00	-22.81	V
2830.00	-32.34	11.27	11.12	-32.19	-13.00	-19.19	V
LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1421.57	-34.01	8.17	9.34	-35.18	-13.00	-22.18	H
2132.92	-35.25	9.53	10.42	-36.14	-13.00	-23.14	H
2843.84	-33.23	11.27	11.12	-33.08	-13.00	-20.08	H
1421.57	-35.27	8.17	9.34	-36.44	-13.00	-23.44	V
2132.92	-34.12	9.53	10.42	-35.01	-13.00	-22.01	V
2843.84	-32.18	11.27	11.12	-32.03	-13.00	-19.03	V



LTE Band 25 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3701.46	-34.57	12.60	12.93	-34.90	-13.00	-21.90	H
5551.96	-35.49	13.10	17.11	-39.50	-13.00	-26.50	H
7402.80	-32.84	11.50	22.20	-43.54	-13.00	-30.54	H
3701.46	-35.82	12.60	12.93	-36.15	-13.00	-23.15	V
5551.96	-33.79	13.10	17.11	-37.80	-13.00	-24.80	V
7402.80	-32.38	11.50	22.20	-43.08	-13.00	-30.08	V
LTE Band 25 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3764.77	-34.56	12.60	12.93	-34.89	-13.00	-21.89	H
5647.19	-34.56	13.10	17.11	-38.57	-13.00	-25.57	H
7530.13	-32.74	11.50	22.20	-43.44	-13.00	-30.44	H
3764.77	-35.12	12.60	12.93	-35.45	-13.00	-22.45	V
5647.19	-34.84	13.10	17.11	-38.85	-13.00	-25.85	V
7530.13	-32.13	11.50	22.20	-42.83	-13.00	-29.83	V
LTE Band 25 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3828.39	-34.34	12.60	12.93	-34.67	-13.00	-21.67	H
5727.41	-34.51	13.10	17.11	-38.52	-13.00	-25.52	H
7656.98	-33.36	11.50	22.20	-44.06	-13.00	-31.06	H
3828.39	-35.99	12.60	12.93	-36.32	-13.00	-23.32	V
5727.41	-34.49	13.10	17.11	-38.50	-13.00	-25.50	V
7656.98	-32.34	11.50	22.20	-43.04	-13.00	-30.04	V



LTE Band 25 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3703.24	-34.26	12.60	12.93	-34.59	-13.00	-21.59	H
5554.51	-35.01	13.10	17.11	-39.02	-13.00	-26.02	H
7406.14	-33.18	11.50	22.20	-43.88	-13.00	-30.88	H
3703.24	-34.85	12.60	12.93	-35.18	-13.00	-22.18	V
5554.51	-34.37	13.10	17.11	-38.38	-13.00	-25.38	V
7406.14	-32.91	11.50	22.20	-43.61	-13.00	-30.61	V
LTE Band 25 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3764.77	-33.66	12.60	12.93	-33.99	-13.00	-20.99	H
5647.26	-34.17	13.10	17.11	-38.18	-13.00	-25.18	H
7530.09	-33.01	11.50	22.20	-43.71	-13.00	-30.71	H
3764.77	-34.53	12.60	12.93	-34.86	-13.00	-21.86	V
5647.26	-34.39	13.10	17.11	-38.40	-13.00	-25.40	V
7530.09	-31.78	11.50	22.20	-42.48	-13.00	-29.48	V
LTE Band 25 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3827.10	-34.48	12.60	12.93	-34.81	-13.00	-21.81	H
5740.20	-34.91	13.10	17.11	-38.92	-13.00	-25.92	H
7654.24	-32.95	11.50	22.20	-43.65	-13.00	-30.65	H
3827.10	-35.59	12.60	12.93	-35.92	-13.00	-22.92	V
5740.20	-33.84	13.10	17.11	-37.85	-13.00	-24.85	V
7654.24	-31.92	11.50	22.20	-42.62	-13.00	-29.62	V



LTE Band 25 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3705.11	-34.71	12.60	12.93	-35.04	-13.00	-22.04	H
5557.25	-34.45	13.10	17.11	-38.46	-13.00	-25.46	H
7409.80	-33.50	11.50	22.20	-44.20	-13.00	-31.20	H
3705.11	-34.86	12.60	12.93	-35.19	-13.00	-22.19	V
5557.25	-34.91	13.10	17.11	-38.92	-13.00	-25.92	V
7409.80	-31.89	11.50	22.20	-42.59	-13.00	-29.59	V
LTE Band 25 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3764.99	-34.69	12.60	12.93	-35.02	-13.00	-22.02	H
5647.03	-35.44	13.10	17.11	-39.45	-13.00	-26.45	H
7530.13	-33.21	11.50	22.20	-43.91	-13.00	-30.91	H
3764.99	-35.26	12.60	12.93	-35.59	-13.00	-22.59	V
5647.03	-33.88	13.10	17.11	-37.89	-13.00	-24.89	V
7530.13	-32.18	11.50	22.20	-42.88	-13.00	-29.88	V
LTE Band 25 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3825.37	-34.36	12.60	12.93	-34.69	-13.00	-21.69	H
5737.09	-35.34	13.10	17.11	-39.35	-13.00	-26.35	H
7650.50	-33.02	11.50	22.20	-43.72	-13.00	-30.72	H
3825.37	-35.06	12.60	12.93	-35.39	-13.00	-22.39	V
5737.09	-34.31	13.10	17.11	-38.32	-13.00	-25.32	V
7650.50	-32.79	11.50	22.20	-43.49	-13.00	-30.49	V



LTE Band 25 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3710.32	-33.55	12.60	12.93	-33.88	-13.00	-20.88	H
5565.27	-35.05	13.10	17.11	-39.06	-13.00	-26.06	H
7419.79	-32.67	11.50	22.20	-43.37	-13.00	-30.37	H
3710.32	-34.85	12.60	12.93	-35.18	-13.00	-22.18	V
5565.27	-34.71	13.10	17.11	-38.72	-13.00	-25.72	V
7419.79	-33.00	11.50	22.20	-43.70	-13.00	-30.70	V
LTE Band 25 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3764.87	-34.03	12.60	12.93	-34.36	-13.00	-21.36	H
5647.59	-35.21	13.10	17.11	-39.22	-13.00	-26.22	H
7530.17	-32.83	11.50	22.20	-43.53	-13.00	-30.53	H
3764.87	-34.80	12.60	12.93	-35.13	-13.00	-22.13	V
5647.59	-33.88	13.10	17.11	-37.89	-13.00	-24.89	V
7530.17	-31.83	11.50	22.20	-42.53	-13.00	-29.53	V
LTE Band 25 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3820.00	-33.79	12.60	12.93	-34.12	-13.00	-21.12	H
5729.89	-34.91	13.10	17.11	-38.92	-13.00	-25.92	H
7640.28	-32.17	11.50	22.20	-42.87	-13.00	-29.87	H
3820.00	-35.51	12.60	12.93	-35.84	-13.00	-22.84	V
5729.89	-34.00	13.10	17.11	-38.01	-13.00	-25.01	V
7640.28	-32.62	11.50	22.20	-43.32	-13.00	-30.32	V



LTE Band 25 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3714.80	-34.41	12.60	12.93	-34.74	-13.00	-21.74	H
5572.52	-34.12	13.10	17.11	-38.13	-13.00	-25.13	H
7430.50	-33.55	11.50	22.20	-44.25	-13.00	-31.25	H
3714.80	-34.64	12.60	12.93	-34.97	-13.00	-21.97	V
5572.52	-34.18	13.10	17.11	-38.19	-13.00	-25.19	V
7430.50	-32.65	11.50	22.20	-43.35	-13.00	-30.35	V
LTE Band 25 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3764.94	-34.20	12.60	12.93	-34.53	-13.00	-21.53	H
5647.35	-35.47	13.10	17.11	-39.48	-13.00	-26.48	H
7430.01	-33.50	11.50	22.20	-44.20	-13.00	-31.20	H
3764.94	-35.27	12.60	12.93	-35.60	-13.00	-22.60	V
5647.35	-34.77	13.10	17.11	-38.78	-13.00	-25.78	V
7430.01	-33.15	11.50	22.20	-43.85	-13.00	-30.85	V
LTE Band 25 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3815.75	-34.18	12.60	12.93	-34.51	-13.00	-21.51	H
5722.07	-34.67	13.10	17.11	-38.68	-13.00	-25.68	H
7630.38	-32.39	11.50	22.20	-43.09	-13.00	-30.09	H
3815.75	-35.01	12.60	12.93	-35.34	-13.00	-22.34	V
5722.07	-34.68	13.10	17.11	-38.69	-13.00	-25.69	V
7630.38	-33.17	11.50	22.20	-43.87	-13.00	-30.87	V



LTE Band 25 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3720.22	-34.87	12.60	12.93	-35.20	-13.00	-22.20	H
5580.25	-34.18	13.10	17.11	-38.19	-13.00	-25.19	H
7439.85	-33.47	11.50	22.20	-44.17	-13.00	-31.17	H
3720.22	-34.72	12.60	12.93	-35.05	-13.00	-22.05	V
5580.25	-34.20	13.10	17.11	-38.21	-13.00	-25.21	V
7439.85	-32.23	11.50	22.20	-42.93	-13.00	-29.93	V
LTE Band 25 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3765.06	-34.54	12.60	12.93	-34.87	-13.00	-21.87	H
5646.91	-35.44	13.10	17.11	-39.45	-13.00	-26.45	H
7529.99	-32.72	11.50	22.20	-43.42	-13.00	-30.42	H
3765.06	-35.54	12.60	12.93	-35.87	-13.00	-22.87	V
5646.91	-34.36	13.10	17.11	-38.37	-13.00	-25.37	V
7529.99	-32.46	11.50	22.20	-43.16	-13.00	-30.16	V
LTE Band 25 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3810.49	-34.53	12.60	12.93	-34.86	-13.00	-21.86	H
5715.36	-34.97	13.10	17.11	-38.98	-13.00	-25.98	H
7619.89	-33.40	11.50	22.20	-44.10	-13.00	-31.10	H
3810.49	-35.40	12.60	12.93	-35.73	-13.00	-22.73	V
5715.36	-34.53	13.10	17.11	-38.54	-13.00	-25.54	V
7619.89	-31.90	11.50	22.20	-42.60	-13.00	-29.60	V



LTE Band 26(Part 22) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1649.35	-33.98	9.56	9.72	-34.14	-13.00	-21.14	H
2473.21	-35.46	10.50	10.86	-35.82	-13.00	-22.82	H
3298.92	-32.31	12.78	11.57	-31.10	-13.00	-18.10	H
1649.35	-34.81	9.56	9.72	-34.97	-13.00	-21.97	V
2473.21	-34.83	10.50	10.86	-35.19	-13.00	-22.19	V
3298.92	-31.87	12.78	11.57	-30.66	-13.00	-17.66	V
LTE Band 26(Part 22) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.22	-33.85	9.56	9.72	-34.01	-13.00	-21.01	H
2509.18	-34.88	10.50	10.86	-35.24	-13.00	-22.24	H
3345.81	-32.88	12.78	11.57	-31.67	-13.00	-18.67	H
1673.22	-34.69	9.56	9.72	-34.85	-13.00	-21.85	V
2509.18	-34.37	10.50	10.86	-34.73	-13.00	-21.73	V
3345.81	-32.11	12.78	11.57	-30.90	-13.00	-17.90	V
LTE Band 26(Part 22) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1696.70	-34.92	9.56	9.72	-35.08	-13.00	-22.08	H
2544.62	-34.42	10.50	10.86	-34.78	-13.00	-21.78	H
3392.94	-32.86	12.78	11.57	-31.65	-13.00	-18.65	H
1696.70	-36.00	9.56	9.72	-36.16	-13.00	-23.16	V
2544.62	-34.24	10.50	10.86	-34.60	-13.00	-21.60	V
3392.94	-32.17	12.78	11.57	-30.96	-13.00	-17.96	V



LTE Band 26(Part 22) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1651.23	-34.08	9.56	9.72	-34.24	-13.00	-21.24	H
2476.30	-34.41	10.50	10.86	-34.77	-13.00	-21.77	H
3301.61	-33.32	12.78	11.57	-32.11	-13.00	-19.11	H
1651.23	-34.94	9.56	9.72	-35.10	-13.00	-22.10	V
2476.30	-34.81	10.50	10.86	-35.17	-13.00	-22.17	V
3301.61	-32.17	12.78	11.57	-30.96	-13.00	-17.96	V
LTE Band 26(Part 22) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.91	-34.61	9.56	9.72	-34.77	-13.00	-21.77	H
2509.16	-34.97	10.50	10.86	-35.33	-13.00	-22.33	H
3346.10	-33.21	12.78	11.57	-32.00	-13.00	-19.00	H
1672.91	-34.91	9.56	9.72	-35.07	-13.00	-22.07	V
2509.16	-35.11	10.50	10.86	-35.47	-13.00	-22.47	V
3346.10	-31.96	12.78	11.57	-30.75	-13.00	-17.75	V
LTE Band 26(Part 22) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1695.40	-34.02	9.56	9.72	-34.18	-13.00	-21.18	H
2542.31	-35.09	10.50	10.86	-35.45	-13.00	-22.45	H
3389.99	-32.87	12.78	11.57	-31.66	-13.00	-18.66	H
1695.40	-35.79	9.56	9.72	-35.95	-13.00	-22.95	V
2542.31	-34.46	10.50	10.86	-34.82	-13.00	-21.82	V
3389.99	-32.49	12.78	11.57	-31.28	-13.00	-18.28	V



LTE Band 26(Part 22) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1653.02	-34.16	9.56	9.72	-34.32	-13.00	-21.32	H
2479.30	-35.05	10.50	10.86	-35.41	-13.00	-22.41	H
3306.56	-32.25	12.78	11.57	-31.04	-13.00	-18.04	H
1653.02	-35.96	9.56	9.72	-36.12	-13.00	-23.12	V
2479.30	-35.13	10.50	10.86	-35.49	-13.00	-22.49	V
3306.56	-32.27	12.78	11.57	-31.06	-13.00	-18.06	V
LTE Band 26(Part 22) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.08	-33.99	9.56	9.72	-34.15	-13.00	-21.15	H
2509.08	-35.24	10.50	10.86	-35.60	-13.00	-22.60	H
3346.16	-33.38	12.78	11.57	-32.17	-13.00	-19.17	H
1673.08	-36.00	9.56	9.72	-36.16	-13.00	-23.16	V
2509.08	-34.70	10.50	10.86	-35.06	-13.00	-22.06	V
3346.16	-32.91	12.78	11.57	-31.70	-13.00	-18.70	V
LTE Band 26(Part 22) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1693.39	-34.41	9.56	9.72	-34.57	-13.00	-21.57	H
2539.48	-34.84	10.50	10.86	-35.20	-13.00	-22.20	H
3386.27	-33.20	12.78	11.57	-31.99	-13.00	-18.99	H
1693.39	-35.96	9.56	9.72	-36.12	-13.00	-23.12	V
2539.48	-34.45	10.50	10.86	-34.81	-13.00	-21.81	V
3386.27	-32.10	12.78	11.57	-30.89	-13.00	-17.89	V



LTE Band 26(Part 22) / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1657.96	-34.60	9.56	9.72	-34.76	-13.00	-21.76	H
2486.27	-34.16	10.50	10.86	-34.52	-13.00	-21.52	H
3315.68	-32.17	12.78	11.57	-30.96	-13.00	-17.96	H
1657.96	-35.85	9.56	9.72	-36.01	-13.00	-23.01	V
2486.27	-34.47	10.50	10.86	-34.83	-13.00	-21.83	V
3315.68	-32.11	12.78	11.57	-30.90	-13.00	-17.90	V
LTE Band 26(Part 22) / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.15	-33.64	9.56	9.72	-33.80	-13.00	-20.80	H
2508.90	-34.71	10.50	10.86	-35.07	-13.00	-22.07	H
3346.16	-32.39	12.78	11.57	-31.18	-13.00	-18.18	H
1673.15	-34.91	9.56	9.72	-35.07	-13.00	-22.07	V
2508.90	-34.45	10.50	10.86	-34.81	-13.00	-21.81	V
3346.16	-31.71	12.78	11.57	-30.50	-13.00	-17.50	V
LTE Band 26(Part 22) / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1688.46	-34.68	9.56	9.72	-34.84	-13.00	-21.84	H
2532.26	-34.00	10.50	10.86	-34.36	-13.00	-21.36	H
3375.90	-33.15	12.78	11.57	-31.94	-13.00	-18.94	H
1688.46	-35.36	9.56	9.72	-35.52	-13.00	-22.52	V
2532.26	-34.62	10.50	10.86	-34.98	-13.00	-21.98	V
3375.90	-32.93	12.78	11.57	-31.72	-13.00	-18.72	V



LTE Band 26(Part 22) / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1663.37	-34.78	9.56	9.72	-34.94	-13.00	-21.94	H
2494.62	-35.22	10.50	10.86	-35.58	-13.00	-22.58	H
3325.81	-32.84	12.78	11.57	-31.63	-13.00	-18.63	H
1663.37	-34.88	9.56	9.72	-35.04	-13.00	-22.04	V
2494.62	-34.65	10.50	10.86	-35.01	-13.00	-22.01	V
3325.81	-32.36	12.78	11.57	-31.15	-13.00	-18.15	V
LTE Band 26(Part 22) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.05	-34.71	9.56	9.72	-34.87	-13.00	-21.87	H
2508.89	-34.98	10.50	10.86	-35.34	-13.00	-22.34	H
3345.98	-32.17	12.78	11.57	-30.96	-13.00	-17.96	H
1673.05	-35.98	9.56	9.72	-36.14	-13.00	-23.14	V
2508.89	-33.80	10.50	10.86	-34.16	-13.00	-21.16	V
3345.98	-31.74	12.78	11.57	-30.53	-13.00	-17.53	V
LTE Band 26(Part 22) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1683.37	-34.42	9.56	9.72	-34.58	-13.00	-21.58	H
2524.45	-34.27	10.50	10.86	-34.63	-13.00	-21.63	H
3366.71	-32.91	12.78	11.57	-31.70	-13.00	-18.70	H
1683.37	-35.54	9.56	9.72	-35.70	-13.00	-22.70	V
2524.45	-35.21	10.50	10.86	-35.57	-13.00	-22.57	V
3366.71	-32.80	12.78	11.57	-31.59	-13.00	-18.59	V



LTE Band 26(Part 90) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1629.46	-34.75	9.56	9.72	-34.91	-13.00	-21.91	H
2443.76	-35.22	10.50	10.86	-35.58	-13.00	-22.58	H
3258.61	-33.34	12.78	11.57	-32.13	-13.00	-19.13	H
1629.46	-35.38	9.56	9.72	-35.54	-13.00	-22.54	V
2443.76	-34.10	10.50	10.86	-34.46	-13.00	-21.46	V
3258.61	-33.09	12.78	11.57	-31.88	-13.00	-18.88	V
LTE Band 26(Part 90) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1638.23	-33.65	9.56	9.72	-33.81	-13.00	-20.81	H
2456.80	-35.39	10.50	10.86	-35.75	-13.00	-22.75	H
3276.21	-33.21	12.78	11.57	-32.00	-13.00	-19.00	H
1638.23	-35.38	9.56	9.72	-35.54	-13.00	-22.54	V
2456.80	-35.08	10.50	10.86	-35.44	-13.00	-22.44	V
3276.21	-33.01	12.78	11.57	-31.80	-13.00	-18.80	V
LTE Band 26(Part 90) / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1646.44	-33.87	9.56	9.72	-34.03	-13.00	-21.03	H
2456.87	-35.18	10.50	10.86	-35.54	-13.00	-22.54	H
3258.04	-33.57	12.78	11.57	-32.36	-13.00	-19.36	H
1646.44	-35.18	9.56	9.72	-35.34	-13.00	-22.34	V
2456.87	-34.18	10.50	10.86	-34.54	-13.00	-21.54	V
3258.04	-32.48	12.78	11.57	-31.27	-13.00	-18.27	V



LTE Band 26(Part 90) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1631.37	-34.24	9.56	9.72	-34.40	-13.00	-21.40	H
2446.51	-35.26	10.50	10.86	-35.62	-13.00	-22.62	H
3261.76	-32.85	12.78	11.57	-31.64	-13.00	-18.64	H
1631.37	-35.17	9.56	9.72	-35.33	-13.00	-22.33	V
2446.51	-33.94	10.50	10.86	-34.30	-13.00	-21.30	V
3261.76	-32.15	12.78	11.57	-30.94	-13.00	-17.94	V
LTE Band 26(Part 90) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1637.77	-34.13	9.56	9.72	-34.29	-13.00	-21.29	H
2457.17	-34.16	10.50	10.86	-34.52	-13.00	-21.52	H
3275.93	-32.35	12.78	11.57	-31.14	-13.00	-18.14	H
1637.77	-34.92	9.56	9.72	-35.08	-13.00	-22.08	V
2457.17	-35.05	10.50	10.86	-35.41	-13.00	-22.41	V
3275.93	-32.78	12.78	11.57	-31.57	-13.00	-18.57	V
LTE Band 26(Part 90) / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1644.69	-33.86	9.56	9.72	-34.02	-13.00	-21.02	H
2467.13	-34.41	10.50	10.86	-34.77	-13.00	-21.77	H
3275.93	-32.51	12.78	11.57	-31.30	-13.00	-18.30	H
1644.69	-34.59	9.56	9.72	-34.75	-13.00	-21.75	V
2467.13	-34.33	10.50	10.86	-34.69	-13.00	-21.69	V
3275.93	-32.48	12.78	11.57	-31.27	-13.00	-18.27	V



LTE Band 26(Part 90) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1632.60	-33.64	9.56	9.72	-33.80	-13.00	-20.80	H
2449.49	-35.29	10.50	10.86	-35.65	-13.00	-22.65	H
3266.75	-33.04	12.78	11.57	-31.83	-13.00	-18.83	H
1632.60	-35.95	9.56	9.72	-36.11	-13.00	-23.11	V
2449.49	-34.59	10.50	10.86	-34.95	-13.00	-21.95	V
3266.75	-32.79	12.78	11.57	-31.58	-13.00	-18.58	V
LTE Band 26(Part 90) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1637.90	-34.77	9.56	9.72	-34.93	-13.00	-21.93	H
2457.22	-35.14	10.50	10.86	-35.50	-13.00	-22.50	H
3276.08	-32.70	12.78	11.57	-31.49	-13.00	-18.49	H
1637.90	-34.53	9.56	9.72	-34.69	-13.00	-21.69	V
2457.22	-34.05	10.50	10.86	-34.41	-13.00	-21.41	V
3276.08	-32.06	12.78	11.57	-30.85	-13.00	-17.85	V
LTE Band 26(Part 90) / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1643.19	-33.72	9.56	9.72	-33.88	-13.00	-20.88	H
2464.19	-35.15	10.50	10.86	-35.51	-13.00	-22.51	H
3285.92	-33.02	12.78	11.57	-31.81	-13.00	-18.81	H
1643.19	-35.76	9.56	9.72	-35.92	-13.00	-22.92	V
2464.19	-34.99	10.50	10.86	-35.35	-13.00	-22.35	V
3285.92	-31.87	12.78	11.57	-30.66	-13.00	-17.66	V

LTE Band 26(Part 90) / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1638.26	-34.19	9.56	9.72	-34.35	-13.00	-21.35	H
2456.86	-35.15	10.50	10.86	-35.51	-13.00	-22.51	H
3275.96	-33.24	12.78	11.57	-32.03	-13.00	-19.03	H
1638.26	-35.84	9.56	9.72	-36.00	-13.00	-23.00	V
2456.86	-34.88	10.50	10.86	-35.24	-13.00	-22.24	V
3275.96	-32.02	12.78	11.57	-30.81	-13.00	-17.81	V



LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
4996.96	-33.64	12.66	15.86	-36.84	-25.00	-11.84	H
7495.69	-35.16	11.46	19.28	-42.98	-25.00	-17.98	H
9994.12	-33.37	12.79	23.19	-43.77	-25.00	-18.77	H
4996.86	-35.27	12.66	15.86	-38.47	-25.00	-13.47	V
7495.59	-34.74	11.46	19.28	-42.56	-25.00	-17.56	V
9994.16	-32.33	12.79	23.19	-42.73	-25.00	-17.73	V
LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5186.33	-33.86	12.72	15.86	-37.00	-25.00	-12.00	H
7779.08	-35.28	11.46	19.28	-43.10	-25.00	-18.10	H
10372.05	-32.45	12.09	23.19	-43.55	-25.00	-18.55	H
5186.33	-35.35	12.72	15.86	-38.49	-25.00	-13.49	V
7779.08	-33.98	11.46	19.28	-41.80	-25.00	-16.80	V
10372.05	-32.70	12.09	23.19	-43.80	-25.00	-18.80	V
LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5374.76	-33.45	12.76	15.86	-36.55	-25.00	-11.55	H
8062.06	-35.25	11.45	19.28	-43.08	-25.00	-18.08	H
10749.88	-32.19	12.28	23.19	-43.10	-25.00	-18.10	H
5374.76	-35.18	12.76	15.86	-38.28	-25.00	-13.28	V
8062.06	-34.73	11.45	19.28	-42.56	-25.00	-17.56	V
10749.88	-32.27	12.28	23.19	-43.18	-25.00	-18.18	V



LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5002.25	-33.68	12.66	15.86	-36.88	-25.00	-11.88	H
7503.28	-34.21	11.46	19.28	-42.03	-25.00	-17.03	H
10004.04	-32.18	12.79	23.19	-42.58	-25.00	-17.58	H
5002.25	-35.98	12.66	15.86	-39.18	-25.00	-14.18	V
7503.28	-35.14	11.46	19.28	-42.96	-25.00	-17.96	V
10004.04	-32.07	12.79	23.19	-42.47	-25.00	-17.47	V
LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5186.87	-34.56	12.72	15.86	-37.70	-25.00	-12.70	H
7779.64	-34.09	11.46	19.28	-41.91	-25.00	-16.91	H
10370.86	-33.27	12.09	23.19	-44.37	-25.00	-19.37	H
5186.87	-35.56	12.72	15.86	-38.70	-25.00	-13.70	V
7779.64	-33.82	11.46	19.28	-41.64	-25.00	-16.64	V
10370.86	-32.38	12.09	23.19	-43.48	-25.00	-18.48	V
LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5370.57	-34.06	12.76	15.86	-37.16	-25.00	-12.16	H
8055.74	-35.34	11.45	19.28	-43.17	-25.00	-18.17	H
10740.00	-33.09	12.28	23.19	-44.00	-25.00	-19.00	H
5370.57	-35.40	12.76	15.86	-38.50	-25.00	-13.50	V
8055.74	-33.88	11.45	19.28	-41.71	-25.00	-16.71	V
10740.00	-33.18	12.28	23.19	-44.09	-25.00	-19.09	V



LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5007.22	-34.33	12.66	15.86	-37.53	-25.00	-12.53	H
7510.46	-35.09	11.46	19.28	-42.91	-25.00	-17.91	H
10014.68	-32.36	12.79	23.19	-42.76	-25.00	-17.76	H
5007.22	-35.77	12.66	15.86	-38.97	-25.00	-13.97	V
7510.46	-34.40	11.46	19.28	-42.22	-25.00	-17.22	V
10014.68	-32.58	12.79	23.19	-42.98	-25.00	-17.98	V
LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5185.74	-34.76	12.72	15.86	-37.90	-25.00	-12.90	H
7778.86	-34.46	11.46	19.28	-42.28	-25.00	-17.28	H
10372.37	-32.81	12.09	23.19	-43.91	-25.00	-18.91	H
5185.74	-35.99	12.72	15.86	-39.13	-25.00	-14.13	V
7778.86	-34.46	11.46	19.28	-42.28	-25.00	-17.28	V
10372.37	-32.18	12.09	23.19	-43.28	-25.00	-18.28	V
LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5365.82	-34.80	12.76	15.86	-37.90	-25.00	-12.90	H
8047.24	-34.52	11.45	19.28	-42.35	-25.00	-17.35	H
10730.42	-33.60	12.28	23.19	-44.51	-25.00	-19.51	H
5365.82	-35.64	12.76	15.86	-38.74	-25.00	-13.74	V
8047.24	-34.51	11.45	19.28	-42.34	-25.00	-17.34	V
10730.42	-33.15	12.28	23.19	-44.06	-25.00	-19.06	V



LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5012.23	-34.23	12.66	15.86	-37.43	-25.00	-12.43	H
7518.53	-34.94	11.46	19.28	-42.76	-25.00	-17.76	H
10023.90	-32.41	12.79	23.19	-42.81	-25.00	-17.81	H
5012.23	-35.14	12.66	15.86	-38.34	-25.00	-13.34	V
7518.53	-34.45	11.46	19.28	-42.27	-25.00	-17.27	V
10023.90	-32.28	12.79	23.19	-42.68	-25.00	-17.68	V
LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5185.89	-34.22	12.72	15.86	-37.36	-25.00	-12.36	H
7779.27	-35.23	11.46	19.28	-43.05	-25.00	-18.05	H
10371.88	-33.04	12.09	23.19	-44.14	-25.00	-19.14	H
5185.89	-35.22	12.72	15.86	-38.36	-25.00	-13.36	V
7779.27	-33.79	11.46	19.28	-41.61	-25.00	-16.61	V
10371.88	-32.74	12.09	23.19	-43.84	-25.00	-18.84	V
LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
5359.86	-34.44	12.76	15.86	-37.54	-25.00	-12.54	H
8040.02	-34.25	11.45	19.28	-42.08	-25.00	-17.08	H
10720.06	-32.82	12.28	23.19	-43.73	-25.00	-18.73	H
5359.86	-34.71	12.76	15.86	-37.81	-25.00	-12.81	V
8040.02	-34.65	11.45	19.28	-42.48	-25.00	-17.48	V
10720.06	-32.73	12.28	23.19	-43.64	-25.00	-18.64	V



LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3421.38	-34.36	12.90	12.56	-34.02	-13.00	-21.02	H
5131.84	-34.62	13.10	16.32	-37.84	-13.00	-24.84	H
6842.53	-33.04	12.33	21.13	-41.84	-13.00	-28.84	H
3421.38	-35.78	12.90	12.56	-35.44	-13.00	-22.44	V
5131.84	-35.07	13.10	16.32	-38.29	-13.00	-25.29	V
6842.53	-31.90	12.33	21.13	-40.70	-13.00	-27.70	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.09	-34.23	12.90	12.56	-33.89	-13.00	-20.89	H
5235.22	-34.20	13.10	16.32	-37.42	-13.00	-24.42	H
6980.06	-32.20	12.33	21.13	-41.00	-13.00	-28.00	H
3490.09	-34.96	12.90	12.56	-34.62	-13.00	-21.62	V
5235.22	-34.87	13.10	16.32	-38.09	-13.00	-25.09	V
6980.06	-32.41	12.33	21.13	-41.21	-13.00	-28.21	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3557.87	-34.20	12.90	12.56	-33.86	-13.00	-20.86	H
5336.77	-34.54	13.10	16.32	-37.76	-13.00	-24.76	H
7117.23	-33.65	12.33	21.13	-42.45	-13.00	-29.45	H
3557.87	-35.41	12.90	12.56	-35.07	-13.00	-22.07	V
5336.77	-34.48	13.10	16.32	-37.70	-13.00	-24.70	V
7117.23	-32.97	12.33	21.13	-41.77	-13.00	-28.77	V



LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3422.88	-34.88	12.90	12.56	-34.54	-13.00	-21.54	H
5134.19	-34.25	13.10	16.32	-37.47	-13.00	-24.47	H
6846.19	-33.41	12.33	21.13	-42.21	-13.00	-29.21	H
3422.88	-35.60	12.90	12.56	-35.26	-13.00	-22.26	V
5134.19	-33.82	13.10	16.32	-37.04	-13.00	-24.04	V
6846.19	-32.07	12.33	21.13	-40.87	-13.00	-27.87	V
LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.23	-33.74	12.90	12.56	-33.40	-13.00	-20.40	H
5235.24	-35.01	13.10	16.32	-38.23	-13.00	-25.23	H
6979.94	-32.61	12.33	21.13	-41.41	-13.00	-28.41	H
3490.23	-35.52	12.90	12.56	-35.18	-13.00	-22.18	V
5235.24	-33.76	13.10	16.32	-36.98	-13.00	-23.98	V
6979.94	-33.18	12.33	21.13	-41.98	-13.00	-28.98	V
LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3557.17	-34.28	12.90	12.56	-33.94	-13.00	-20.94	H
5262.33	-34.08	13.10	16.32	-37.30	-13.00	-24.30	H
7113.96	-32.87	12.33	21.13	-41.67	-13.00	-28.67	H
3557.17	-35.46	12.90	12.56	-35.12	-13.00	-22.12	V
5262.33	-34.31	13.10	16.32	-37.53	-13.00	-24.53	V
7113.96	-33.09	12.33	21.13	-41.89	-13.00	-28.89	V



LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3425.22	-34.46	12.90	12.56	-34.12	-13.00	-21.12	H
5137.34	-34.11	13.10	16.32	-37.33	-13.00	-24.33	H
6850.37	-32.59	12.33	21.13	-41.39	-13.00	-28.39	H
3425.22	-35.40	12.90	12.56	-35.06	-13.00	-22.06	V
5137.34	-34.02	13.10	16.32	-37.24	-13.00	-24.24	V
6850.37	-32.51	12.33	21.13	-41.31	-13.00	-28.31	V
LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3489.96	-34.30	12.90	12.56	-33.96	-13.00	-20.96	H
5235.28	-34.20	13.10	16.32	-37.42	-13.00	-24.42	H
6979.92	-33.28	12.33	21.13	-42.08	-13.00	-29.08	H
3489.96	-34.79	12.90	12.56	-34.45	-13.00	-21.45	V
5235.28	-34.18	13.10	16.32	-37.40	-13.00	-24.40	V
6979.92	-31.71	12.33	21.13	-40.51	-13.00	-27.51	V
LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3558.18	-34.70	12.90	12.56	-34.36	-13.00	-21.36	H
52353.77	-35.38	13.10	16.32	-38.60	-13.00	-25.60	H
7110.08	-32.54	12.33	21.13	-41.34	-13.00	-28.34	H
3558.18	-34.94	12.90	12.56	-34.60	-13.00	-21.60	V
52353.77	-34.04	13.10	16.32	-37.26	-13.00	-24.26	V
7110.08	-32.93	12.33	21.13	-41.73	-13.00	-28.73	V



LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3429.99	-33.61	12.90	12.56	-33.27	-13.00	-20.27	H
5145.10	-35.15	13.10	16.32	-38.37	-13.00	-25.37	H
6880.16	-33.37	12.33	21.13	-42.17	-13.00	-29.17	H
3429.99	-35.85	12.90	12.56	-35.51	-13.00	-22.51	V
5145.10	-34.87	13.10	16.32	-38.09	-13.00	-25.09	V
6880.16	-32.29	12.33	21.13	-41.09	-13.00	-28.09	V
LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3489.81	-33.96	12.90	12.56	-33.62	-13.00	-20.62	H
5234.80	-34.04	13.10	16.32	-37.26	-13.00	-24.26	H
6980.09	-33.12	12.33	21.13	-41.92	-13.00	-28.92	H
3489.81	-35.73	12.90	12.56	-35.39	-13.00	-22.39	V
5234.80	-34.88	13.10	16.32	-38.10	-13.00	-25.10	V
6980.09	-32.14	12.33	21.13	-40.94	-13.00	-27.94	V
LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3550.56	-33.84	12.90	12.56	-33.50	-13.00	-20.50	H
5235.14	-34.88	13.10	16.32	-38.10	-13.00	-25.10	H
7099.94	-33.28	12.33	21.13	-42.08	-13.00	-29.08	H
3550.56	-35.75	12.90	12.56	-35.41	-13.00	-22.41	V
5235.14	-33.89	13.10	16.32	-37.11	-13.00	-24.11	V
7099.94	-32.92	12.33	21.13	-41.72	-13.00	-28.72	V



LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3434.88	-33.82	12.90	12.56	-33.48	-13.00	-20.48	H
5152.36	-34.94	13.10	16.32	-38.16	-13.00	-25.16	H
6870.06	-33.02	12.33	21.13	-41.82	-13.00	-28.82	H
3434.88	-35.01	12.90	12.56	-34.67	-13.00	-21.67	V
5152.36	-33.90	13.10	16.32	-37.12	-13.00	-24.12	V
6870.06	-32.55	12.33	21.13	-41.35	-13.00	-28.35	V
LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3490.03	-33.94	12.90	12.56	-33.60	-13.00	-20.60	H
5234.97	-35.11	13.10	16.32	-38.33	-13.00	-25.33	H
6980.16	-32.41	12.33	21.13	-41.21	-13.00	-28.21	H
3490.03	-35.88	12.90	12.56	-35.54	-13.00	-22.54	V
5234.97	-33.97	13.10	16.32	-37.19	-13.00	-24.19	V
6980.16	-31.94	12.33	21.13	-40.74	-13.00	-27.74	V
LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3545.08	-33.94	12.90	12.56	-33.60	-13.00	-20.60	H
5332.53	-35.49	13.10	16.32	-38.71	-13.00	-25.71	H
7090.08	-32.91	12.33	21.13	-41.71	-13.00	-28.71	H
3545.08	-34.53	12.90	12.56	-34.19	-13.00	-21.19	V
5332.53	-35.15	13.10	16.32	-38.37	-13.00	-25.37	V
7090.08	-33.15	12.33	21.13	-41.95	-13.00	-28.95	V



LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3440.22	-34.60	12.90	12.56	-34.26	-13.00	-21.26	H
5160.11	-34.40	13.10	16.32	-37.62	-13.00	-24.62	H
6879.90	-32.76	12.33	21.13	-41.56	-13.00	-28.56	H
3440.22	-35.52	12.90	12.56	-35.18	-13.00	-22.18	V
5160.11	-33.94	13.10	16.32	-37.16	-13.00	-24.16	V
6879.90	-32.02	12.33	21.13	-40.82	-13.00	-27.82	V
LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3489.89	-34.60	12.90	12.56	-34.26	-13.00	-21.26	H
5235.29	-35.22	13.10	16.32	-38.44	-13.00	-25.44	H
6980.14	-32.34	12.33	21.13	-41.14	-13.00	-28.14	H
3489.89	-35.68	12.90	12.56	-35.34	-13.00	-22.34	V
5235.29	-34.04	13.10	16.32	-37.26	-13.00	-24.26	V
6980.14	-32.95	12.33	21.13	-41.75	-13.00	-28.75	V
LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3540.21	-33.47	12.90	12.56	-33.13	-13.00	-20.13	H
5310.20	-35.39	13.10	16.32	-38.61	-13.00	-25.61	H
7080.95	-33.44	12.33	21.13	-42.24	-13.00	-29.24	H
3540.21	-35.49	12.90	12.56	-35.15	-13.00	-22.15	V
5310.20	-33.88	13.10	16.32	-37.10	-13.00	-24.10	V
7080.95	-32.00	12.33	21.13	-40.80	-13.00	-27.80	V



LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1331.06	-34.24	8.17	9.34	-35.41	-13.00	-22.41	H
1966.36	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2661.77	-32.52	11.27	11.12	-32.37	-13.00	-19.37	H
1331.06	-35.63	8.17	9.34	-36.80	-13.00	-23.80	V
1966.36	-34.51	9.53	10.42	-35.40	-13.00	-22.40	V
2661.77	-32.89	11.27	11.12	-32.74	-13.00	-19.74	V
LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1360.82	-34.50	8.17	9.34	-35.67	-13.00	-22.67	H
2041.33	-35.32	9.53	10.42	-36.21	-13.00	-23.21	H
2721.74	-33.33	11.27	11.12	-33.18	-13.00	-20.18	H
1360.82	-35.37	8.17	9.34	-36.54	-13.00	-23.54	V
2041.33	-34.04	9.53	10.42	-34.93	-13.00	-21.93	V
2721.74	-32.38	11.27	11.12	-32.23	-13.00	-19.23	V
LTE Band 71 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1390.87	-34.03	8.17	9.34	-35.20	-13.00	-22.20	H
2085.67	-34.73	9.53	10.42	-35.62	-13.00	-22.62	H
2781.78	-33.45	11.27	11.12	-33.30	-13.00	-20.30	H
1390.87	-35.63	8.17	9.34	-36.80	-13.00	-23.80	V
2085.67	-35.18	9.53	10.42	-36.07	-13.00	-23.07	V
2781.78	-32.65	11.27	11.12	-32.50	-13.00	-19.50	V



LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1335.96	-34.79	8.17	9.34	-35.96	-13.00	-22.96	H
2004.00	-35.41	9.53	10.42	-36.30	-13.00	-23.30	H
2671.89	-33.19	11.27	11.12	-33.04	-13.00	-20.04	H
1335.96	-35.68	8.17	9.34	-36.85	-13.00	-23.85	V
2004.00	-34.42	9.53	10.42	-35.31	-13.00	-22.31	V
2671.89	-31.79	11.27	11.12	-31.64	-13.00	-18.64	V
LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1361.18	-34.50	8.17	9.34	-35.67	-13.00	-22.67	H
2041.26	-34.64	9.53	10.42	-35.53	-13.00	-22.53	H
2721.73	-32.56	11.27	11.12	-32.41	-13.00	-19.41	H
1361.18	-35.56	8.17	9.34	-36.73	-13.00	-23.73	V
2041.26	-34.65	9.53	10.42	-35.54	-13.00	-22.54	V
2721.73	-32.91	11.27	11.12	-32.76	-13.00	-19.76	V
LTE Band 71 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1386.04	-34.11	8.17	9.34	-35.28	-13.00	-22.28	H
2079.13	-35.46	9.53	10.42	-36.35	-13.00	-23.35	H
2722.20	-33.41	11.27	11.12	-33.26	-13.00	-20.26	H
1386.04	-34.54	8.17	9.34	-35.71	-13.00	-22.71	V
2079.13	-35.22	9.53	10.42	-36.11	-13.00	-23.11	V
2722.20	-32.55	11.27	11.12	-32.40	-13.00	-19.40	V



LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1341.08	-33.73	8.17	9.34	-34.90	-13.00	-21.90	H
2010.71	-35.42	9.53	10.42	-36.31	-13.00	-23.31	H
2682.16	-33.26	11.27	11.12	-33.11	-13.00	-20.11	H
1341.08	-34.98	8.17	9.34	-36.15	-13.00	-23.15	V
2010.71	-35.11	9.53	10.42	-36.00	-13.00	-23.00	V
2682.16	-32.92	11.27	11.12	-32.77	-13.00	-19.77	V
LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1360.91	-33.80	8.17	9.34	-34.97	-13.00	-21.97	H
2041.28	-35.32	9.53	10.42	-36.21	-13.00	-23.21	H
2721.96	-33.18	11.27	11.12	-33.03	-13.00	-20.03	H
1360.91	-35.88	8.17	9.34	-37.05	-13.00	-24.05	V
2041.28	-34.04	9.53	10.42	-34.93	-13.00	-21.93	V
2721.96	-32.61	11.27	11.12	-32.46	-13.00	-19.46	V
LTE Band 71 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1380.90	-34.35	8.17	9.34	-35.52	-13.00	-22.52	H
2070.99	-34.89	9.53	10.42	-35.78	-13.00	-22.78	H
2761.76	-32.83	11.27	11.12	-32.68	-13.00	-19.68	H
1380.90	-35.82	8.17	9.34	-36.99	-13.00	-23.99	V
2070.99	-34.09	9.53	10.42	-34.98	-13.00	-21.98	V
2761.76	-33.05	11.27	11.12	-32.90	-13.00	-19.90	V



LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1345.94	-34.44	8.17	9.34	-35.61	-13.00	-22.61	H
2019.02	-34.15	9.53	10.42	-35.04	-13.00	-22.04	H
2691.95	-32.68	11.27	11.12	-32.53	-13.00	-19.53	H
1345.94	-34.86	8.17	9.34	-36.03	-13.00	-23.03	V
2019.02	-34.97	9.53	10.42	-35.86	-13.00	-22.86	V
2691.95	-32.20	11.27	11.12	-32.05	-13.00	-19.05	V
LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1360.97	-33.71	8.17	9.34	-34.88	-13.00	-21.88	H
2041.66	-35.38	9.53	10.42	-36.27	-13.00	-23.27	H
2721.75	-32.71	11.27	11.12	-32.56	-13.00	-19.56	H
1360.97	-35.82	8.17	9.34	-36.99	-13.00	-23.99	V
2041.66	-34.48	9.53	10.42	-35.37	-13.00	-22.37	V
2721.75	-32.29	11.27	11.12	-32.14	-13.00	-19.14	V
LTE Band 71 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1375.72	-34.20	8.17	9.34	-35.37	-13.00	-22.37	H
2064.10	-34.31	9.53	10.42	-35.20	-13.00	-22.20	H
2751.88	-33.27	11.27	11.12	-33.12	-13.00	-20.12	H
1375.72	-34.62	8.17	9.34	-35.79	-13.00	-22.79	V
2064.10	-34.59	9.53	10.42	-35.48	-13.00	-22.48	V
2751.88	-32.20	11.27	11.12	-32.05	-13.00	-19.05	V

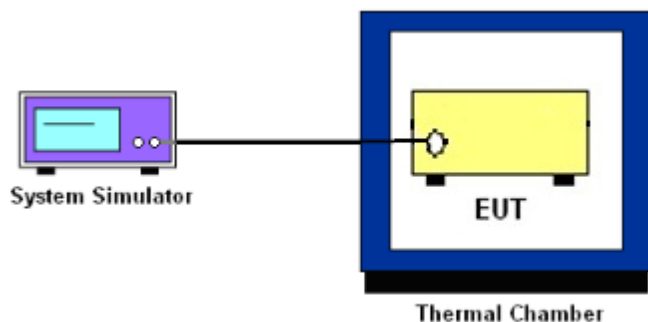
10. FREQUENCY STABILITY

10.1 DESCRIPTION OF FREQUENCY STABILITY MEASUREMENT

10.1.1 MEASUREMENT METHOD

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

10.1.2 TEST SETUP



10.1.3 TEST PROCEDURES FOR TEMPERATURE VARIATION

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

10.1.4 TEST PROCEDURES FOR VOLTAGE VARIATION

1. The testing follows FCC KDB 971168 D01v01r03 Section 9.
2. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.



10.1.5 TEST RESULTS

LTE Band 2 (QPSK) / 1880MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.03	0.018	2.5ppm	PASS
40		34.90	0.019		
30		36.48	0.019		
20		31.79	0.017		
10		22.85	0.012		
0		35.92	0.019		
-10		32.19	0.017		
-20		21.48	0.011		
-30		31.18	0.017		
20	Maximum Voltage	18.04	0.010		
20	BEP	28.03	0.015		

LTE Band 2 (QPSK) / 1880MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	28.78	0.015	2.5ppm	PASS
40		32.29	0.017		
30		23.24	0.012		
20		22.76	0.012		
10		21.44	0.011		
0		30.05	0.016		
-10		16.76	0.009		
-20		15.11	0.008		
-30		18.62	0.010		
20	Maximum Voltage	17.71	0.009		
20	BEP	23.19	0.012		



LTE Band 4 (QPSK) / 1733MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.14	0.007	2.5ppm	PASS
40		30.76	0.018		
30		25.63	0.015		
20		12.83	0.007		
10		15.38	0.009		
0		20.98	0.012		
-10		29.96	0.017		
-20		14.12	0.008		
-30		34.20	0.020		
20	Maximum Voltage	11.94	0.007		
20	BEP	23.26	0.013		

LTE Band 4 (QPSK) / 1733MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	30.34	0.018	2.5ppm	PASS
40		13.38	0.008		
30		35.45	0.020		
20		33.00	0.019		
10		18.30	0.011		
0		25.32	0.015		
-10		32.67	0.019		
-20		34.72	0.020		
-30		23.45	0.014		
20	Maximum Voltage	14.84	0.009		
20	BEP	30.21	0.017		



LTE Band 5 (QPSK) / 836.5MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.10	0.017	2.5ppm	PASS
40		19.43	0.027		
30		22.22	0.031		
20		26.23	0.037		
10		34.36	0.048		
0		13.22	0.019		
-10		23.87	0.003		
-20		19.94	0.028		
-30		22.90	0.032		
20	Maximum Voltage	25.28	0.036		
20	BEP	35.05	0.049		

LTE Band 5 (QPSK) / 836.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	23.09	0.033	2.5ppm	PASS
40		32.69	0.046		
30		23.32	0.033		
20		26.50	0.037		
10		33.74	0.048		
0		28.22	0.040		
-10		31.40	0.004		
-20		15.44	0.022		
-30		16.99	0.024		
20	Maximum Voltage	36.27	0.051		
20	BEP	22.63	0.032		



LTE Band 12 (QPSK) / 707.5MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	22.19	0.031	2.5ppm	PASS
40		30.39	0.043		
30		30.13	0.042		
20		23.14	0.033		
10		27.53	0.039		
0		24.51	0.035		
-10		20.98	0.003		
-20		23.21	0.033		
-30		14.78	0.021		
20	Maximum Voltage	14.51	0.020		
20	BEP	16.53	0.023		

LTE Band 12 (QPSK) / 707.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	34.30	0.048	2.5ppm	PASS
40		35.31	0.050		
30		27.78	0.039		
20		17.44	0.025		
10		23.24	0.033		
0		32.23	0.045		
-10		17.77	0.003		
-20		26.74	0.038		
-30		27.09	0.038		
20	Maximum Voltage	23.99	0.034		
20	BEP	20.70	0.029		



LTE Band 25 (QPSK) / 1882.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	26.19	0.014	2.5ppm	PASS
40		16.70	0.009		
30		25.08	0.013		
20		25.93	0.014		
10		16.10	0.009		
0		27.12	0.014		
-10		36.10	0.019		
-20		14.87	0.008		
-30		17.36	0.009		
20	Maximum Voltage	27.03	0.014		
20	BEP	24.00	0.013		

LTE Band 25 (QPSK) / 1882.5MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	29.54	0.016	2.5ppm	PASS
40		28.65	0.015		
30		29.96	0.016		
20		21.66	0.012		
10		26.37	0.014		
0		29.85	0.016		
-10		36.36	0.019		
-20		22.76	0.012		
-30		21.13	0.011		
20	Maximum Voltage	30.05	0.016		
20	BEP	16.42	0.009		



LTE Band 26(Part 22) (QPSK) / 836.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.02	0.007	2.5ppm	PASS
40		17.98	0.010		
30		15.71	0.009		
20		13.23	0.008		
10		29.47	0.017		
0		23.77	0.014		
-10		19.60	0.011		
-20		26.46	0.015		
-30		31.36	0.018		
20	Maximum Voltage	24.75	0.014		
20	BEP	29.89	0.017		

LTE Band 26(Part 22) (QPSK) / 836.5MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	30.49	0.018	2.5ppm	PASS
40		34.03	0.020		
30		11.59	0.007		
20		35.23	0.020		
10		14.47	0.008		
0		15.67	0.009		
-10		32.16	0.019		
-20		30.12	0.017		
-30		16.37	0.009		
20	Maximum Voltage	24.05	0.014		
20	BEP	25.52	0.015		



LTE Band 26(Part 90) (QPSK) / 819MHz / BW5M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	27.30	0.016	2.5ppm	PASS
40		34.10	0.020		
30		16.92	0.010		
20		22.09	0.013		
10		31.12	0.018		
0		24.12	0.014		
-10		25.86	0.015		
-20		11.94	0.007		
-30		31.60	0.018		
20	Maximum Voltage	31.48	0.018		
20	BEP	13.35	0.008		

LTE Band 26(Part 90) (QPSK) / 819MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	27.80	0.016	2.5ppm	PASS
40		36.04	0.021		
30		17.63	0.010		
20		22.99	0.013		
10		17.97	0.010		
0		24.63	0.014		
-10		28.67	0.017		
-20		12.11	0.007		
-30		12.73	0.007		
20	Maximum Voltage	22.35	0.013		
20	BEP	29.79	0.017		



LTE Band 41 (QPSK) / 2593MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.22	0.012	2.5ppm	PASS
40		21.77	0.009		
30		21.64	0.009		
20		21.79	0.009		
10		29.88	0.012		
0		13.82	0.005		
-10		12.87	0.005		
-20		34.25	0.014		
-30		20.66	0.008		
20	Maximum Voltage	19.63	0.008		
20	BEP	18.24	0.007		

LTE Band 41 (QPSK) / 2593MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	11.80	0.005	2.5ppm	PASS
40		35.33	0.014		
30		26.60	0.010		
20		13.69	0.005		
10		30.99	0.012		
0		16.68	0.007		
-10		22.90	0.009		
-20		22.34	0.009		
-30		19.76	0.008		
20	Maximum Voltage	26.61	0.010		
20	BEP	15.29	0.006		



LTE Band 66 (QPSK) / 1745MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.55	0.018	2.5ppm	PASS
40		32.91	0.019		
30		29.77	0.017		
20		11.88	0.007		
10		16.19	0.009		
0		28.93	0.017		
-10		34.06	0.020		
-20		23.90	0.014		
-30		12.47	0.007		
20	Maximum Voltage	16.70	0.010		
20	BEP	15.65	0.009		

LTE Band 66 (QPSK) / 1745MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	20.04	0.012	2.5ppm	PASS
40		29.51	0.017		
30		32.72	0.019		
20		25.77	0.015		
10		17.74	0.010		
0		30.57	0.018		
-10		31.95	0.018		
-20		25.55	0.015		
-30		21.34	0.012		
20	Maximum Voltage	17.96	0.010		
20	BEP	17.93	0.010		



LTE Band 71 (QPSK) / 680.5MHz / BW10M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.78	0.018	2.5ppm	PASS
40		16.71	0.024		
30		14.75	0.021		
20		13.93	0.020		
10		28.87	0.041		
0		26.69	0.038		
-10		22.67	0.003		
-20		30.04	0.042		
-30		33.80	0.048		
20	Maximum Voltage	21.32	0.030		
20	BEP	34.45	0.049		

LTE Band 71 (QPSK) / 680.5MHz / BW20M					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	32.79	0.046	2.5ppm	PASS
40		27.79	0.039		
30		27.81	0.039		
20		17.11	0.024		
10		19.69	0.028		
0		19.81	0.028		
-10		31.42	0.004		
-20		21.85	0.031		
-30		18.98	0.027		
20	Maximum Voltage	14.78	0.021		
20	BEP	28.77	0.041		



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

