



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 22H, PART 24E, PART 27, PART 90 MEASUREMENT AND TEST REPORT

For

Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International, Innovation Valley, Dashi 1st Rd,
Nanshan, Shenzhen, China

FCC ID: ZMOSQ808NA

Report Type: Class II Permissive Change Report	Product Type: LTE Module
Report Number: RXM200918051-00D	
Report Date: 2020-11-06	
Reviewed By:	Ivan Cao Assistant manager 
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TABLE OF CONTENTS

GENERAL INFORMATION.....	3
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
OBJECTIVE	3
TEST METHODOLOGY	4
MEASUREMENT UNCERTAINTY	4
TEST FACILITY	4
DECLARATIONS.....	5
SYSTEM TEST CONFIGURATION.....	6
JUSTIFICATION	6
EQUIPMENT MODIFICATIONS	7
SUPPORT EQUIPMENT LIST AND DETAILS	7
CONFIGURATION OF TEST SETUP	7
BLOCK DIAGRAM OF TEST SETUP	8
SUMMARY OF TEST RESULTS.....	9
FCC §1.1310 , §2.1093 - RF EXPOSURE.....	10
APPLICABLE STANDARD	10
TEST RESULT	10
FCC §2.1047 - MODULATION CHARACTERISTIC	11
FCC §2.1053, §22.917 & §24.238 & §27.53& §90.691- SPURIOUS RADIATED EMISSIONS.....	12
APPLICABLE STANDARD	12
TEST PROCEDURE	12
TEST EQUIPMENT LIST AND DETAILS.....	13
TEST DATA	13

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:		LTE Module
EUT Model:		SQ808-NA
Modulation Type:		GMSK, 8PSK, BPSK, QPSK, 16QAM
Antenna Gain[△]:		GSM850/WCDMA B5/LTE B5/B26: -1.8 dBi PCS1900/WCDMA B2/LTE B2/B25: 2.0 dBi WCDMA B4/LTE B4/B66: 1.5 dBi LTE B7/B41: 2.3 dBi LTE B12/17: -1.5 dBi LTE B13: -1.8 dBi
Host Name:		Smart POS Terminal
Host Model:		AXIUM DX8000
Host Rated Input Voltage:		DC 7.2V from battery or DC 5V from adapter
Adapter#1 Information:	Model:	SW-0983
	Input:	100-240Vac 50/60Hz 0.5A
	Output:	5.0Vdc 2.0A
Adapter#2 Information:	Model:	A8-050200U-US3
	Input:	100-240Vac 50/60Hz 0.35A
	Output:	5.0Vdc 2.0A
Serial Number:		RXM200918051-RF-S1
EUT Received Date:		2020.09.18
EUT Received Status:		Good

Battery Information:

No.	Manufacturer	Specification
Battery 1#	SCUD(Fujian) Electronics Co., Ltd.	DC 7.2V 3400mAh/24.48Wh
Battery 2#	Xinyu Ganfeng Electronics Co.,Ltd.	DC 7.2V 3400mAh/24.48Wh

Objective

This report is prepared on behalf of **Fibocom Wireless Inc.** in accordance with: Part 2-Subpart J, Part 22-Subpart H, Part 24-Subpart E, Part 27, Part 90 of the Federal Communication Commissions rules.

This is Class II Permissive Change report for the purpose of built in this Module into the host, the host FCC ID: XKB-DX8CL4GWB, and other change as below:

Change the module's Antennas.

The conducted output power was verified and close to the original data. The EPR/EIRP was evaluated and compliance with the FCC Rules.

Note: Worst PCS band Maximum EIRP=1.922W(1.213W*1.58(2dBi))

The changes made to the device affected radiation spurious emissions test. Therefore only this item data was recorded in this report.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with:

the Code of federal Regulations Title 47, Part 2, Part 22H, Part 24E, Part 27, Part 90.

ANSI C63.26-2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	$\pm 5\%$
RF output power, conducted	$\pm 0.61\text{ dB}$
Unwanted Emissions, radiated	30MHz ~ 1GHz: 5.85 dB 1G~26.5GHz: 5.23 dB
Unwanted Emissions, conducted	$\pm 1.5\text{ dB}$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
Duty Cycle	1%

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier : CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “△”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to ANSI C63.26-2015.

The test items were performed with the EUT operating at testing mode. The device operates on GSM Band 850/1900MHz, WCDMA Band 2/4/5, and LTE band 2/4/5/7/13/17/25/26/41/66, test was performed with channels as below table:

Frequency Bands	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
GSM/GPRS/EDGE850	0.25	824.2	836.6	848.8
GSM/GPRS/EDGE1900	0.25	1850.2	1880	1909.8
WCDMA Band 2	4.2	1852.4	1880	1907.6
WCDMA Band 4	4.2	1712.4	1732.6	1752.6
WCDMA Band 5	4.2	826.4	836.6	846.6
LTE Band 2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855	1880	1905
	15	1857.5	1880	1902.5
	20	1860	1880	1900
LTE Band 4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715	1732.5	1750
	15	1717.5	1732.5	1747.5
	20	1720	1732.5	1745
LTE Band 5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829	836.5	844
LTE Band 7	5	2502.5	2535	2567.5
	10	2505	2535	2565
	15	2507.5	2535	2562.5
	20	2510	2535	2560
LTE Band 12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704	707.5	711
LTE Band 13	5	779.5	782	784.5
	10	/	782	/
LTE Band 17	5	706.5	710	713.5
	10	709	710	711
LTE Band 25	1.4	1850.7	1882.5	1914.3
	3	1851.5	1882.5	1913.5
	5	1852.5	1882.5	1912.5
	10	1855	1882.5	1910
	15	1857.5	1882.5	1907.5
	20	1860	1882.5	1905

Frequency Bands	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
LTE Band 26	1.4	814.7	831.5	848.3
	3	815.5	831.5	847.5
	5	816.5	831.5	846.5
	10	819	831.5	844
	15	821.5	831.5	841.5
LTE Band 41	5	2498.5	2593	2687.5
	10	2501	2593	2685
	15	2503.5	2593	2682.5
	20	2506	2593	2680
LTE Band 66	1.4	1710.7	1745	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

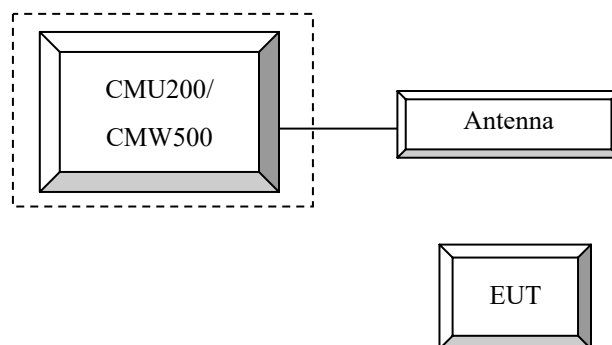
Equipment Modifications

No modification was made to the EUT.

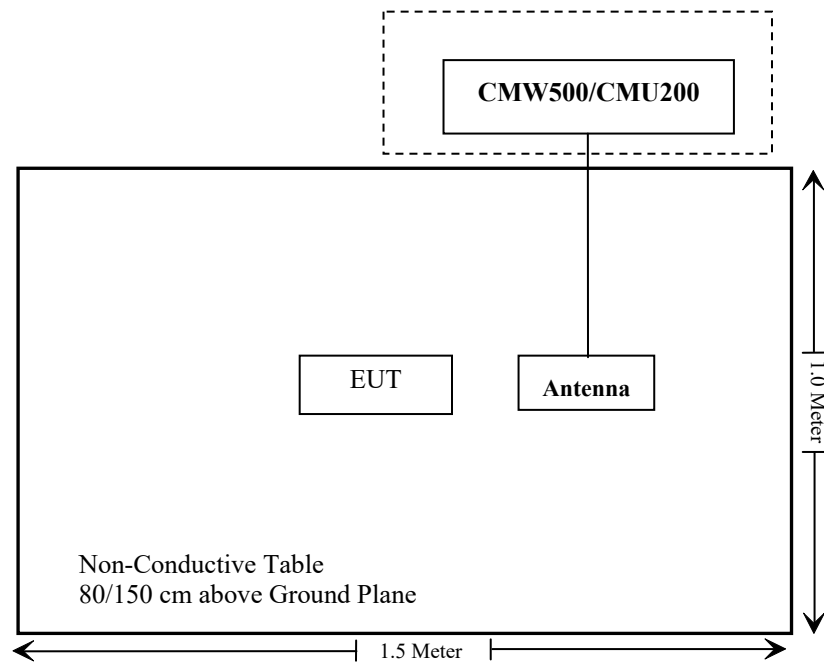
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
R&S	Universal Radio Communication Tester	CMU200	106 891
R&S	Wideband Radio Communication Tester	CMW500	147473
Unknown	ANTENNA	Unknown	/

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC§1.1310, §2.1093	RF Exposure	Compliance
FCC§2.1046; § 22.913 (a); § 24.232 (c); §27.50;§90.635	RF Output Power	Compliance*
FCC§ 2.1047	Modulation Characteristics	Not Applicable
FCC§ 2.1049; § 22.905 § 22.917; § 24.238; §27.53 §90.209	Occupied Bandwidth	Compliance*
FCC§ 2.1051, § 22.917 (a); § 24.238 (a); §27.53;§90.691	Spurious Emissions at Antenna Terminal	Compliance*
FCC§ 2.1053 § 22.917 (a); § 24.238 (a); §27.53 ;§90.691	Field Strength of Spurious Radiation	Compliance
FCC§ 22.917 (a); § 24.238 (a); §27.53;§90.691	Out of band emission, Band Edge	Compliance*
FCC§ 2.1055 § 22.355; § 24.235; §27.54 §90.213	Frequency stability vs. temperature Frequency stability vs. voltage	Compliance*

Compliance*: Please refer to the module original report: ZR/2020/6002801, which was issued by SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch.

FCC §1.1310 , §2.1093 - RF EXPOSURE

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: RXM200918051-20A.

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E, Part 27 , Part 90 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC §2.1053, §22.917 & §24.238 & §27.53 & §90.691- SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917, § 24.238 and § 27.53 & §90.691.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TXpwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \text{Log}_{10} (\text{power out in Watts})$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB3	A060611-2	2020-08-25	2023-08-25
R&S	EMI Test Receiver	ESCI	100224	2020-09-12	2021-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-02	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2020-09-24	2021-09-24
Sonoma	Amplifier	310N	185914	2020-10-13	2021-10-13
Unknown	Coaxial Cable	C-NJNJ-50	C-0200-02	2020-09-05	2021-09-05
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
TDK RF	Horn Antenna	HRN-0118	130 084	2018-10-12	2021-10-12
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2017-12-06	2020-12-05
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2017-12-06	2020-12-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2020-07-07	2021-07-07
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2020-06-27	2021-06-27
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2020-09-05	2021-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2020-06-27	2021-06-27
Sinoscite	Band-stop filter	BSF1850-1910MS-0935V2	0935V2	2020-06-16	2021-06-16
Sinoscite	Band-stop filter	BSF2500-2750MS-1439-001	1437001	2020-06-16	2021-06-16
Micro-tronics	High Pass Filter	HPM50111	S/N-G217	2020-06-16	2021-06-16

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Test Items:	Radiation Below 1GHz	Radiation Above 1GHz
Temperature:	28°C	26 °C
Relative Humidity:	37%	38 %
ATM Pressure:	100.8 kPa	101kPa
Tester:	Asa Chen	Bond Qin
Test Date:	2020-10-19	2020-10-21

EUT Operation Mode: Transmitting

30 MHz-10 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM850, Frequency:824.2 MHz, Low Channel								
1648.40	H	65.35	-38.83	10.44	0.71	-29.10	-13.00	16.10
1648.40	V	65.77	-39.01	10.44	0.71	-29.28	-13.00	16.28
2472.60	H	59.60	-43.18	12.88	1.25	-31.55	-13.00	18.55
2472.60	V	59.71	-43.12	12.88	1.25	-31.49	-13.00	18.49
3296.80	H	50.23	-49.55	13.60	1.59	-37.54	-13.00	24.54
3296.80	V	52.25	-47.54	13.60	1.59	-35.53	-13.00	22.53
264.74	H	42.16	-66.93	0.00	0.28	-67.21	-13.00	54.21
497.54	V	47.19	-55.56	0.00	0.35	-55.91	-13.00	42.91
GSM850, Frequency:836.6 MHz, Middle Channel								
1673.20	H	66.29	-37.65	10.61	0.73	-27.77	-13.00	14.77
1673.20	V	66.32	-38.22	10.61	0.73	-28.34	-13.00	15.34
2509.80	H	58.73	-44.18	13.11	1.25	-32.32	-13.00	19.32
2509.80	V	59.93	-43.01	13.11	1.25	-31.15	-13.00	18.15
3346.40	H	50.54	-49.14	13.83	1.61	-36.92	-13.00	23.92
3346.40	V	52.75	-46.97	13.83	1.61	-34.75	-13.00	21.75
263.88	H	42.19	-66.92	0.00	0.28	-67.20	-13.00	54.20
497.65	V	47.88	-54.87	0.00	0.35	-55.22	-13.00	42.22
GSM850, Frequency:848.8 MHz, High Channel								
1697.60	H	61.39	-42.31	10.78	0.75	-32.28	-13.00	19.28
1697.60	V	61.33	-42.97	10.78	0.75	-32.94	-13.00	19.94
2546.40	H	58.98	-43.97	13.15	1.27	-32.09	-13.00	19.09
2546.40	V	60.98	-42.11	13.15	1.27	-30.23	-13.00	17.23
3395.20	H	49.10	-50.42	14.08	1.64	-37.98	-13.00	24.98
3395.20	V	51.68	-47.94	14.08	1.64	-35.50	-13.00	22.50
264.88	H	43.62	-65.47	0.00	0.28	-65.75	-13.00	52.75
498.68	V	48.97	-53.77	0.00	0.35	-54.12	-13.00	41.12

30 MHz-20 GHz:

30 MHz to 20 GHz:								
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM1900, Frequency:1850.2MHz, Low Channel								
3700.40	H	56.08	-41.91	14.00	1.83	-29.74	-13.00	16.74
3700.40	V	58.16	-39.81	14.00	1.83	-27.64	-13.00	14.64
5550.60	H	48.30	-45.67	13.95	1.27	-32.99	-13.00	19.99
5550.60	V	49.96	-43.86	13.95	1.27	-31.18	-13.00	18.18
264.86	H	43.88	-65.21	0.00	0.28	-65.49	-13.00	52.49
497.65	V	47.86	-54.89	0.00	0.35	-55.24	-13.00	42.24
GSM1900, Frequency:1880MHz, Middle Channel								
3760.00	H	56.73	-40.91	13.76	1.63	-28.78	-13.00	15.78
3760.00	V	56.18	-41.32	13.76	1.63	-29.19	-13.00	16.19
5640.00	H	47.49	-46.10	14.02	1.31	-33.39	-13.00	20.39
5640.00	V	47.08	-46.40	14.02	1.31	-33.69	-13.00	20.69
265.54	H	42.98	-66.10	0.00	0.28	-66.38	-13.00	53.38
498.33	V	46.99	-55.75	0.00	0.35	-56.10	-13.00	43.10
GSM1900, Frequency:1909.8MHz, High Channel								
3819.60	H	54.24	-43.01	13.56	1.50	-30.95	-13.00	17.95
3819.60	V	55.13	-41.94	13.56	1.50	-29.88	-13.00	16.88
5729.40	H	47.14	-46.57	13.96	1.31	-33.92	-13.00	20.92
5729.40	V	48.27	-45.41	13.96	1.31	-32.76	-13.00	19.76
263.98	H	43.69	-65.41	0.00	0.28	-65.69	-13.00	52.69
497.63	V	48.22	-54.53	0.00	0.35	-54.88	-13.00	41.88

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II R99,Frequency:1852.400 MHz, Low Channel								
3704.80	H	52.36	-45.60	13.98	1.81	-33.43	-13.00	20.43
3704.80	V	51.80	-46.13	13.98	1.81	-33.96	-13.00	20.96
5557.20	H	39.57	-54.32	13.97	1.27	-41.62	-13.00	28.62
5557.20	V	41.18	-52.56	13.97	1.27	-39.86	-13.00	26.86
268.69	H	45.86	-63.18	0.00	0.28	-63.46	-13.00	50.46
498.37	V	49.37	-53.37	0.00	0.35	-53.72	-13.00	40.72
WCDMA Band II R99,Frequency:1880.000 MHz, Middle Channel								
3760.00	H	47.35	-50.29	13.76	1.63	-38.16	-13.00	25.16
3760.00	V	49.45	-48.05	13.76	1.63	-35.92	-13.00	22.92
5640.00	H	37.56	-56.03	14.02	1.31	-43.32	-13.00	30.32
5640.00	V	37.20	-56.28	14.02	1.31	-43.57	-13.00	30.57
267.55	H	46.82	-62.24	0.00	0.28	-62.52	-13.00	49.52
497.66	V	48.95	-53.80	0.00	0.35	-54.15	-13.00	41.15
WCDMA Band II R99,Frequency1907.600 MHz, High Channel								
3815.20	H	48.00	-49.28	13.57	1.50	-37.21	-13.00	24.21
3815.20	V	49.11	-47.99	13.57	1.50	-35.92	-13.00	22.92
5722.80	H	39.22	-54.54	13.95	1.32	-41.91	-13.00	28.91
5722.80	V	39.59	-54.13	13.95	1.32	-41.50	-13.00	28.50
268.92	H	48.55	-60.49	0.00	0.29	-60.78	-13.00	47.78
496.45	V	48.29	-54.48	0.00	0.35	-54.83	-13.00	41.83

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV R99,Frequency: 1712.400 MHz, Low Channel								
3424.80	H	51.71	-47.68	14.03	1.63	-35.28	-13.00	22.28
3424.80	V	50.91	-48.55	14.03	1.63	-36.15	-13.00	23.15
5137.20	H	36.41	-58.27	13.94	1.39	-45.72	-13.00	32.72
5137.20	V	36.26	-58.34	13.94	1.39	-45.79	-13.00	32.79
89.69	H	40.81	-70.13	0.00	0.19	-70.32	-13.00	57.32
191.06	V	36.34	-71.05	0.00	0.21	-71.26	-13.00	58.26
WCDMA Band IV R99,Frequency: 1732.600 MHz, Middle Channel								
3465.20	H	51.39	-47.79	13.90	1.62	-35.51	-13.00	22.51
3465.20	V	51.07	-48.15	13.90	1.62	-35.87	-13.00	22.87
5197.80	H	36.83	-57.86	14.00	1.52	-45.38	-13.00	32.38
5197.80	V	36.02	-58.74	14.00	1.52	-46.26	-13.00	33.26
267.82	H	44.56	-64.50	0.00	0.28	-64.78	-13.00	51.78
489.56	V	46.99	-55.88	0.00	0.35	-56.23	-13.00	43.23
WCDMA Band IV R99,Frequency: 1752.600 MHz, High Channel								
3505.20	H	50.54	-48.47	13.82	1.60	-36.25	-13.00	23.25
3505.20	V	51.52	-47.49	13.82	1.60	-35.27	-13.00	22.27
5257.80	H	35.58	-59.47	14.17	1.31	-46.61	-13.00	33.61
5257.80	V	36.02	-59.11	14.17	1.31	-46.25	-13.00	33.25
267.55	H	46.82	-62.24	0.00	0.28	-62.52	-13.00	49.52
497.66	V	48.95	-53.80	0.00	0.35	-54.15	-13.00	41.15

30 MHz-10 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band V R99,Frequency: 826.400 MHz, Low Channel								
1652.80	H	45.76	-58.37	10.47	0.72	-48.62	-13.00	35.62
1652.80	V	45.58	-59.15	10.47	0.72	-49.40	-13.00	36.40
2479.20	H	39.78	-63.03	12.93	1.25	-51.35	-13.00	38.35
2479.20	V	41.03	-61.82	12.93	1.25	-50.14	-13.00	37.14
3305.60	H	37.95	-61.85	13.63	1.59	-49.81	-13.00	36.81
3305.60	V	38.44	-61.37	13.63	1.59	-49.33	-13.00	36.33
267.82	H	44.56	-64.50	0.00	0.28	-64.78	-13.00	51.78
489.56	V	46.99	-55.88	0.00	0.35	-56.23	-13.00	43.23
WCDMA Band V R99,Frequency:836.600 MHz, Middle Channel								
1673.20	H	45.45	-58.49	10.61	0.73	-48.61	-13.00	35.61
1673.20	V	45.05	-59.49	10.61	0.73	-49.61	-13.00	36.61
2509.80	H	42.20	-60.71	13.11	1.25	-48.85	-13.00	35.85
2509.80	V	43.93	-59.01	13.11	1.25	-47.15	-13.00	34.15
3346.40	H	40.00	-59.68	13.83	1.61	-47.46	-13.00	34.46
3346.40	V	39.81	-59.91	13.83	1.61	-47.69	-13.00	34.69
267.96	H	43.65	-65.40	0.00	0.28	-65.68	-13.00	52.68
497.99	V	48.19	-54.56	0.00	0.35	-54.91	-13.00	41.91
WCDMA Band V R99,Frequency:846.600 MHz, High Channel								
1693.20	H	45.79	-57.96	10.75	0.75	-47.96	-13.00	34.96
1693.20	V	46.05	-58.30	10.75	0.75	-48.30	-13.00	35.30
2539.80	H	40.36	-62.58	13.14	1.27	-50.71	-13.00	37.71
2539.80	V	40.63	-62.43	13.14	1.27	-50.56	-13.00	37.56
3386.40	H	39.98	-59.57	14.03	1.63	-47.17	-13.00	34.17
3386.40	V	38.84	-60.80	14.03	1.63	-48.40	-13.00	35.40
268.83	H	43.70	-65.34	0.00	0.29	-65.63	-13.00	52.63
498.20	V	49.02	-53.73	0.00	0.35	-54.08	-13.00	41.08

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1850.700 MHz, Low Channel								
3701.40	H	50.21	-47.77	13.99	1.83	-35.61	-13.00	22.61
3701.40	V	51.82	-46.14	13.99	1.83	-33.98	-13.00	20.98
5552.10	H	40.22	-53.73	13.96	1.27	-41.04	-13.00	28.04
5552.10	V	41.18	-52.62	13.96	1.27	-39.93	-13.00	26.93
90.24	H	41.11	-69.95	0.00	0.19	-70.14	-13.00	57.14
189.08	V	36.69	-70.90	0.00	0.21	-71.11	-13.00	58.11
QPSK,Frequency:1880.000 MHz, Middle Channel								
3760.00	H	48.13	-49.51	13.76	1.63	-37.38	-13.00	24.38
3760.00	V	48.59	-48.91	13.76	1.63	-36.78	-13.00	23.78
5640.00	H	39.52	-54.07	14.02	1.31	-41.36	-13.00	28.36
5640.00	V	39.98	-53.50	14.02	1.31	-40.79	-13.00	27.79
90.00	H	41.32	-69.73	0.00	0.19	-69.92	-13.00	56.92
190.35	V	37.03	-70.43	0.00	0.21	-70.64	-13.00	57.64
QPSK,Frequency:1909.3 MHz, High Channel								
3818.60	H	48.01	-49.25	13.56	1.50	-37.19	-13.00	24.19
3818.60	V	49.01	-48.06	13.56	1.50	-36.00	-13.00	23.00
5727.90	H	39.57	-54.15	13.96	1.31	-41.50	-13.00	28.50
5727.90	V	41.40	-52.29	13.96	1.31	-39.64	-13.00	26.64
90.14	H	40.32	-70.74	0.00	0.19	-70.93	-13.00	57.93
227.88	V	35.63	-71.68	0.00	0.23	-71.91	-13.00	58.91

LTE Band 4 (30MHz-20GHz):

ETP Band 4 (50MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1710.7 MHz, Low Channel								
3421.40	H	51.62	-47.78	14.04	1.63	-35.37	-13.00	22.37
3421.40	V	49.87	-49.61	14.04	1.63	-37.20	-13.00	24.20
5132.10	H	38.06	-56.62	13.93	1.37	-44.06	-13.00	31.06
5132.10	V	37.21	-57.38	13.93	1.37	-44.82	-13.00	31.82
90.14	H	39.46	-71.60	0.00	0.19	-71.79	-13.00	58.79
191.02	V	37.21	-70.19	0.00	0.21	-70.40	-13.00	57.40
QPSK,Frequency:1732.5 MHz, Middle Channel								
3465.00	H	52.28	-46.91	13.91	1.62	-34.62	-13.00	21.62
3465.00	V	50.20	-49.02	13.91	1.62	-36.73	-13.00	23.73
5197.50	H	36.27	-58.42	14.00	1.52	-45.94	-13.00	32.94
5197.50	V	36.11	-58.65	14.00	1.52	-46.17	-13.00	33.17
89.69	H	40.81	-70.13	0.00	0.19	-70.32	-13.00	57.32
191.06	V	36.34	-71.05	0.00	0.21	-71.26	-13.00	58.26
QPSK,Frequency:1754.3 MHz, High Channel								
3508.60	H	50.92	-48.09	13.83	1.60	-35.86	-13.00	22.86
3508.60	V	50.63	-48.38	13.83	1.60	-36.15	-13.00	23.15
5262.90	H	37.85	-57.24	14.19	1.29	-44.34	-13.00	31.34
5262.90	V	37.18	-57.99	14.19	1.29	-45.09	-13.00	32.09
97.84	H	38.84	-72.61	0.00	0.12	-72.73	-13.00	59.73
191.02	V	36.77	-70.63	0.00	0.21	-70.84	-13.00	57.84

LTE Band 5 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:824.700 MHz, Low Channel								
1649.40	H	48.25	-55.92	10.45	0.71	-46.18	-13.00	33.18
1649.40	V	45.95	-58.82	10.45	0.71	-49.08	-13.00	36.08
2474.10	H	44.01	-58.78	12.89	1.25	-47.14	-13.00	34.14
2474.10	V	44.72	-58.12	12.89	1.25	-46.48	-13.00	33.48
3298.80	H	40.27	-59.54	13.60	1.59	-47.53	-13.00	34.53
3298.80	V	39.65	-60.16	13.60	1.59	-48.15	-13.00	35.15
92.08	H	40.18	-70.98	0.00	0.17	-71.15	-13.00	58.15
189.08	V	36.88	-70.71	0.00	0.21	-70.92	-13.00	57.92
QPSK,Frequency:836.500 MHz, Middle Channel								
1673.00	H	47.45	-56.49	10.61	0.73	-46.61	-13.00	33.61
1673.00	V	44.35	-60.19	10.61	0.73	-50.31	-13.00	37.31
2509.50	H	43.23	-59.68	13.11	1.25	-47.82	-13.00	34.82
2509.50	V	45.97	-56.97	13.11	1.25	-45.11	-13.00	32.11
3346.00	H	42.19	-57.49	13.83	1.61	-45.27	-13.00	32.27
3346.00	V	40.47	-59.25	13.83	1.61	-47.03	-13.00	34.03
92.08	H	39.03	-72.13	0.00	0.17	-72.30	-13.00	59.30
189.08	V	35.98	-71.61	0.00	0.21	-71.82	-13.00	58.82
QPSK,Frequency:848.300 MHz, High Channel								
1696.60	H	47.88	-55.83	10.78	0.75	-45.80	-13.00	32.80
1696.60	V	44.36	-59.95	10.78	0.75	-49.92	-13.00	36.92
2544.90	H	43.62	-59.33	13.14	1.27	-47.46	-13.00	34.46
2544.90	V	46.38	-56.70	13.14	1.27	-44.83	-13.00	31.83
3393.20	H	42.25	-57.28	14.07	1.64	-44.85	-13.00	31.85
3393.20	V	42.34	-57.28	14.07	1.64	-44.85	-13.00	31.85
90.14	H	38.39	-72.67	0.00	0.19	-72.86	-13.00	59.86
189.08	V	36.79	-70.80	0.00	0.21	-71.01	-13.00	58.01

LTE Band 7 (30MHz-26.5GHz):

EFE Band 7 (50MHz - 2535MHz).

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.500 MHz, Low Channel								
5005.00	H	43.83	-52.24	14.00	1.43	-39.67	-25.00	14.67
5005.00	V	47.86	-47.97	14.00	1.43	-35.40	-25.00	10.40
7507.50	H	35.63	-53.01	13.20	1.33	-41.14	-25.00	16.14
7507.50	V	36.01	-53.11	13.20	1.33	-41.24	-25.00	16.24
301.60	H	42.81	-65.81	0.00	0.31	-66.12	-25.00	41.12
90.14	V	41.33	-65.85	0.00	0.19	-66.04	-25.00	41.04
QPSK, Frequency: 2535.000 MHz, Middle Channel								
5070.00	H	42.66	-52.45	13.93	1.34	-39.86	-25.00	14.86
5070.00	V	47.83	-47.09	13.93	1.34	-34.50	-25.00	9.50
7605.00	H	35.62	-53.26	13.21	1.40	-41.45	-25.00	16.45
7605.00	V	35.85	-53.43	13.21	1.40	-41.62	-25.00	16.62
163.68	H	37.41	-73.47	0.00	0.24	-73.71	-25.00	48.71
90.23	V	41.06	-66.12	0.00	0.19	-66.31	-25.00	41.31
QPSK, Frequency: 2567.500 MHz, High Channel								
5135.00	H	43.53	-51.15	13.94	1.38	-38.59	-25.00	13.59
5135.00	V	47.47	-47.12	13.94	1.38	-34.56	-25.00	9.56
7702.50	H	36.78	-52.34	13.40	1.47	-40.41	-25.00	15.41
7702.50	V	37.21	-52.23	13.40	1.47	-40.30	-25.00	15.30
163.86	H	38.47	-72.41	0.00	0.24	-72.65	-25.00	47.65
90.14	V	40.55	-66.63	0.00	0.19	-66.82	-25.00	41.82

LTE Band 12 (30MHz-10 GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 699.700 MHz, Low Channel								
1399.40	H	60.52	-42.87	9.00	1.20	-35.07	-13.00	22.07
1399.40	V	61.64	-42.35	9.00	1.20	-34.55	-13.00	21.55
2099.10	H	51.77	-50.30	11.41	1.10	-39.99	-13.00	26.99
2099.10	V	53.18	-48.89	11.41	1.10	-38.58	-13.00	25.58
2798.80	H	50.21	-51.51	13.10	1.36	-39.77	-13.00	26.77
2798.80	V	53.23	-48.69	13.10	1.36	-36.95	-13.00	23.95
340.40	H	41.05	-66.85	0.00	0.34	-67.19	-13.00	54.19
90.14	V	41.39	-65.79	0.00	0.19	-65.98	-13.00	52.98
QPSK, Frequency: 707.500 MHz, Middle Channel								
1415.00	H	62.67	-40.94	9.08	1.22	-33.08	-13.00	20.08
1415.00	V	58.94	-45.19	9.08	1.22	-37.33	-13.00	24.33
2122.50	H	55.96	-46.05	11.27	1.11	-35.89	-13.00	22.89
2122.50	V	55.13	-46.86	11.27	1.11	-36.70	-13.00	23.70
2830.00	H	51.73	-49.69	13.34	1.36	-37.71	-13.00	24.71
2830.00	V	52.10	-49.55	13.34	1.36	-37.57	-13.00	24.57
317.12	H	40.94	-67.39	0.00	0.32	-67.71	-13.00	54.71
88.20	V	39.62	-67.16	0.00	0.19	-67.35	-13.00	54.35
QPSK, Frequency: 715.300 MHz, Middle Channel								
1430.60	H	59.08	-44.76	9.15	1.25	-36.86	-13.00	23.86
1430.60	V	60.51	-43.77	9.15	1.25	-35.87	-13.00	22.87
2145.90	H	55.67	-46.29	11.12	1.12	-36.29	-13.00	23.29
2145.90	V	55.33	-46.59	11.12	1.12	-36.59	-13.00	23.59
2861.20	H	52.11	-49.00	13.59	1.35	-36.76	-13.00	23.76
2861.20	V	50.92	-50.45	13.59	1.35	-38.21	-13.00	25.21
192.96	H	37.43	-73.14	0.00	0.20	-73.34	-13.00	60.34
90.12	V	41.96	-65.22	0.00	0.19	-65.41	-13.00	52.41

LTE Band 13 (30MHz-10 GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 779.500 MHz, Low Channel								
1559.00	H	43.10	-61.63	9.85	0.95	-52.73	-13.00	39.73
1559.00	V	44.79	-60.33	9.85	0.95	-51.43	-13.00	38.43
2338.50	H	38.10	-64.17	11.62	1.25	-53.80	-13.00	40.80
2338.50	V	39.22	-63.06	11.62	1.25	-52.69	-13.00	39.69
3118.00	H	50.13	-49.57	13.27	1.78	-38.08	-13.00	25.08
3118.00	V	47.18	-52.53	13.27	1.78	-41.04	-13.00	28.04
163.86	H	38.46	-72.42	0.00	0.24	-72.66	-13.00	59.66
90.10	V	41.03	-66.14	0.00	0.19	-66.33	-13.00	53.33
QPSK, Frequency: 782.000 MHz, Middle Channel								
1564.00	H	41.15	-63.57	9.88	0.92	-54.61	-13.00	41.61
1564.00	V	43.15	-61.99	9.88	0.92	-53.03	-13.00	40.03
2346.00	H	38.65	-63.64	11.71	1.26	-53.19	-13.00	40.19
2346.00	V	39.30	-63.03	11.71	1.26	-52.58	-13.00	39.58
3128.00	H	48.27	-51.31	13.31	1.76	-39.76	-13.00	26.76
3128.00	V	46.57	-53.02	13.31	1.76	-41.47	-13.00	28.47
1564.00	H	41.15	-63.57	9.88	0.92	-54.61	-13.00	41.61
1564.00	V	43.15	-61.99	9.88	0.92	-53.03	-13.00	40.03
QPSK, Frequency: 784.500 MHz, High Channel								
1569.00	H	45.53	-59.18	9.91	0.89	-50.16	-13.00	37.16
1569.00	V	43.17	-61.98	9.91	0.89	-52.96	-13.00	39.96
2353.50	H	38.15	-64.17	11.79	1.26	-53.64	-13.00	40.64
2353.50	V	39.08	-63.30	11.79	1.26	-52.77	-13.00	39.77
3138.00	H	47.48	-51.97	13.35	1.73	-40.35	-13.00	27.35
3138.00	V	44.70	-54.77	13.35	1.73	-43.15	-13.00	30.15
163.86	H	38.12	-72.76	0.00	0.24	-73.00	-13.00	60.00
90.20	V	40.68	-66.50	0.00	0.19	-66.69	-13.00	53.69

LTE Band 17 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency:706.500 MHz, Low Channel								
1413.00	H	54.65	-48.93	9.07	1.22	-41.08	-13.00	28.08
1413.00	V	58.13	-45.98	9.07	1.22	-38.13	-13.00	25.13
2119.50	H	49.18	-52.84	11.28	1.11	-42.67	-13.00	29.67
2119.50	V	49.46	-52.54	11.28	1.11	-42.37	-13.00	29.37
2826.00	H	46.26	-55.20	13.31	1.36	-43.25	-13.00	30.25
2826.00	V	45.12	-56.57	13.31	1.36	-44.62	-13.00	31.62
163.86	H	38.34	-72.54	0.00	0.24	-72.78	-13.00	59.78
90.14	V	41.67	-65.51	0.00	0.19	-65.70	-13.00	52.70
QPSK, Frequency:710.000 MHz, Middle Channel								
1420.00	H	55.48	-48.20	9.10	1.23	-40.33	-13.00	27.33
1420.00	V	56.30	-47.88	9.10	1.23	-40.01	-13.00	27.01
2130.00	H	48.22	-53.78	11.22	1.11	-43.67	-13.00	30.67
2130.00	V	48.63	-53.34	11.22	1.11	-43.23	-13.00	30.23
2840.00	H	47.33	-53.99	13.42	1.36	-41.93	-13.00	28.93
2840.00	V	45.93	-55.63	13.42	1.36	-43.57	-13.00	30.57
163.70	H	39.32	-71.56	0.00	0.24	-71.80	-13.00	58.80
90.32	V	42.15	-65.04	0.00	0.19	-65.23	-13.00	52.23
QPSK, Frequency:713.500 MHz, Middle Channel								
1427.00	H	55.34	-48.44	9.14	1.24	-40.54	-13.00	27.54
1427.00	V	55.70	-48.55	9.14	1.24	-40.65	-13.00	27.65
2140.50	H	50.19	-51.78	11.16	1.12	-41.74	-13.00	28.74
2140.50	V	49.38	-52.55	11.16	1.12	-42.51	-13.00	29.51
2854.00	H	45.92	-55.26	13.53	1.35	-43.08	-13.00	30.08
2854.00	V	45.00	-56.43	13.53	1.35	-44.25	-13.00	31.25
164.35	H	40.32	-70.57	0.00	0.24	-70.81	-13.00	57.81
90.20	V	41.30	-65.88	0.00	0.19	-66.07	-13.00	53.07

LTE Band 25 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1850.700 MHz, Low Channel								
3701.40	H	49.94	-48.04	13.99	1.83	-35.88	-13.00	22.88
3701.40	V	52.09	-45.87	13.99	1.83	-33.71	-13.00	20.71
5552.10	H	40.43	-53.52	13.96	1.27	-40.83	-13.00	27.83
5552.10	V	43.50	-50.30	13.96	1.27	-37.61	-13.00	24.61
163.86	H	39.04	-71.84	0.00	0.24	-72.08	-13.00	59.08
90.32	V	41.91	-65.28	0.00	0.19	-65.47	-13.00	52.47
QPSK,Frequency:1882.500 MHz, Middle Channel								
3765.00	H	49.71	-47.90	13.74	1.62	-35.78	-13.00	22.78
3765.00	V	51.45	-46.01	13.74	1.62	-33.89	-13.00	20.89
5647.50	H	40.36	-53.28	14.01	1.31	-40.58	-13.00	27.58
5647.50	V	41.88	-51.64	14.01	1.31	-38.94	-13.00	25.94
274.44	H	48.70	-60.27	0.00	0.29	-60.56	-13.00	47.56
92.08	V	42.77	-64.50	0.00	0.17	-64.67	-13.00	51.67
QPSK,Frequency:1914.300 MHz, High Channel								
3828.60	H	49.61	-47.57	13.54	1.51	-35.54	-13.00	22.54
3828.60	V	50.66	-46.35	13.54	1.51	-34.32	-13.00	21.32
5742.90	H	45.14	-48.47	13.99	1.30	-35.78	-13.00	22.78
5742.90	V	45.45	-48.14	13.99	1.30	-35.45	-13.00	22.45
192.02	H	39.38	-71.24	0.00	0.20	-71.44	-13.00	58.44
90.14	V	41.43	-65.75	0.00	0.19	-65.94	-13.00	52.94

LTE Band 26 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:814.700 MHz, Low Channel								
1629.40	H	45.86	-58.50	10.31	0.70	-48.89	-13.00	35.89
1629.40	V	45.74	-59.22	10.31	0.70	-49.61	-13.00	36.61
2444.10	H	39.93	-62.72	12.65	1.27	-51.34	-13.00	38.34
2444.10	V	41.99	-60.78	12.65	1.27	-49.40	-13.00	36.40
3258.80	H	41.45	-57.90	13.60	1.58	-45.88	-13.00	32.88
3258.80	V	40.04	-59.33	13.60	1.58	-47.31	-13.00	34.31
163.86	H	39.00	-71.88	0.00	0.24	-72.12	-13.00	59.12
90.18	V	42.37	-64.81	0.00	0.19	-65.00	-13.00	52.00
QPSK,Frequency:831.500 MHz, Middle Channel								
1663.00	H	45.09	-58.95	10.54	0.72	-49.13	-13.00	36.13
1663.00	V	48.22	-56.42	10.54	0.72	-46.60	-13.00	33.60
2494.50	H	43.65	-59.23	13.06	1.24	-47.41	-13.00	34.41
2494.50	V	44.68	-58.21	13.06	1.24	-46.39	-13.00	33.39
3326.00	H	41.84	-57.90	13.73	1.60	-45.77	-13.00	32.77
3326.00	V	41.22	-58.55	13.73	1.60	-46.42	-13.00	33.42
163.23	H	39.64	-71.23	0.00	0.24	-71.47	-13.00	58.47
92.08	V	41.96	-65.31	0.00	0.17	-65.48	-13.00	52.48
QPSK,Frequency:848.300 MHz, High Channel								
1696.60	H	47.66	-56.05	10.78	0.75	-46.02	-13.00	33.02
1696.60	V	44.36	-59.95	10.78	0.75	-49.92	-13.00	36.92
2544.90	H	45.10	-57.85	13.14	1.27	-45.98	-13.00	32.98
2544.90	V	45.76	-57.32	13.14	1.27	-45.45	-13.00	32.45
3393.20	H	41.99	-57.54	14.07	1.64	-45.11	-13.00	32.11
3393.20	V	42.21	-57.41	14.07	1.64	-44.98	-13.00	31.98
163.20	H	40.21	-70.66	0.00	0.24	-70.90	-13.00	57.90
91.30	V	42.06	-65.17	0.00	0.18	-65.35	-13.00	52.35

LTE Band 41 (30MHz-26.5GHz):

ETD Band 41 (50MHz-20.5GHz).

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:2498.500 MHz, Low Channel								
4997.00	H	45.13	-51.00	14.00	1.44	-38.44	-25.00	13.44
4997.00	V	49.14	-46.73	14.00	1.44	-34.17	-25.00	9.17
7495.50	H	35.65	-52.99	13.20	1.32	-41.11	-25.00	16.11
7495.50	V	37.14	-51.98	13.20	1.32	-40.10	-25.00	15.10
163.86	H	38.96	-71.92	0.00	0.24	-72.16	-25.00	47.16
80.44	V	42.60	-62.52	0.00	0.18	-62.70	-25.00	37.70
QPSK,Frequency:2593.000 MHz, Middle Channel								
5186.00	H	43.51	-51.18	13.99	1.50	-38.69	-25.00	13.69
5186.00	V	47.83	-46.90	13.99	1.50	-34.41	-25.00	9.41
7779.00	H	38.00	-51.31	13.32	1.53	-39.52	-25.00	14.52
7779.00	V	40.37	-49.19	13.32	1.53	-37.40	-25.00	12.40
191.02	H	38.66	-72.01	0.00	0.21	-72.22	-25.00	47.22
90.14	V	42.25	-64.93	0.00	0.19	-65.12	-25.00	40.12
QPSK,Frequency:2687.500 MHz, High Channel								
5375.00	H	49.17	-45.16	14.15	1.38	-32.39	-25.00	7.39
5375.00	V	50.66	-43.66	14.15	1.38	-30.89	-25.00	5.89
8062.50	H	41.25	-48.53	13.34	1.72	-36.91	-25.00	11.91
8062.50	V	45.43	-44.42	13.34	1.72	-32.80	-25.00	7.80
191.02	H	38.58	-72.09	0.00	0.21	-72.30	-25.00	47.30
90.24	V	41.14	-66.04	0.00	0.19	-66.23	-25.00	41.23

LTE Band 66 (30MHz-20GHz):

EFL Band 66 (50MHz-20GHz).

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK,Frequency:1710.700 MHz, Low Channel								
3421.40	H	53.57	-45.83	14.04	1.63	-33.42	-13.00	20.42
3421.40	V	53.30	-46.18	14.04	1.63	-33.77	-13.00	20.77
5132.10	H	37.25	-57.43	13.93	1.37	-44.87	-13.00	31.87
5132.10	V	36.32	-58.27	13.93	1.37	-45.71	-13.00	32.71
163.68	H	38.94	-71.94	0.00	0.24	-72.18	-13.00	59.18
90.14	V	42.45	-64.73	0.00	0.19	-64.92	-13.00	51.92
QPSK,Frequency:1745.000 MHz, Middle Channel								
3490.00	H	54.31	-44.75	13.83	1.61	-32.53	-13.00	19.53
3490.00	V	53.39	-45.68	13.83	1.61	-33.46	-13.00	20.46
5235.00	H	36.00	-58.91	14.11	1.40	-46.20	-13.00	33.2
5235.00	V	35.85	-59.14	14.11	1.40	-46.43	-13.00	33.43
162.00	H	39.65	-71.19	0.00	0.24	-71.43	-13.00	58.43
90.36	V	41.35	-65.84	0.00	0.19	-66.03	-13.00	53.03
QPSK,Frequency:1779.300 MHz, High Channel								
3558.60	H	53.53	-45.49	13.98	1.55	-33.06	-13.00	20.06
3558.60	V	54.44	-44.58	13.98	1.55	-32.15	-13.00	19.15
5337.90	H	37.63	-57.19	14.22	1.26	-44.23	-13.00	31.23
5337.90	V	37.97	-56.88	14.22	1.26	-43.92	-13.00	30.92
163.66	H	40.21	-70.67	0.00	0.24	-70.91	-13.00	57.91
88.65	V	42.03	-64.85	0.00	0.19	-65.04	-13.00	52.04

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit - Absolute Level

******* END OF REPORT *******