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**TEST REPORT** 

Test Result :	PASS *
Date of Issue:	2022/1/17
Date of Test:	2022/1/7 to 2022/1/9
Date of Receipt:	2021/12/29
	<ul> <li>47 CFR Part 27 subpart E</li> <li>47 CFR Part 27 subpart H</li> <li>47 CFR Part 27 subpart L</li> <li>47 CFR Part 27 subpart M</li> <li>47 CFR Part 27 subpart N</li> <li>47 CFR Part 90 subpart R</li> <li>47 CFR Part 90 subpart S</li> </ul>
Standards:	47 CFR Part 2 47 CFR Part 22 subpart H 47 CFR Part 24 subpart E
FCC ID:	XMR2021SC606TNAD
Trade Mark:	Quectel
Model No.:	SC606T-NAD
EUT Description:	LTE Module
Address of Manufacturer:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233
Manufacturer:	Quectel Wireless Solutions Co., Ltd.
Address of Applicant:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233
Applicant:	Quectel Wireless Solutions Co., Ltd.
Application No.:	HR/2021/B0011

In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:

S

Sun

Panta Sun Wireless Laboratory Manager



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### 1 Version

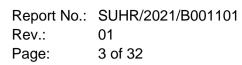
Revision Record					
Version	Chapter	Date	Modifier	Remark	
01		2022/1/17		Original	

Prepared By	weller lin	
	(Weller Liu) / Engineer	
Checked By	well wei	
	(Well Wei) / Reviewer	



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#### 2 **Test Summary**

#### 2.1 LTE Band 5/26(824~849 MHz)

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	Refer to HR/2020/A000201	Pass
Peak-Average Ratio	§22.913(d)	Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §22.917(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	FCC: ≤ -13 dBm/100 kHz.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §22.355	≤ ±2.5ppm.	Refer to HR/2020/A000201	Pass



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#### 2.2 LTE Band 2/25

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP ≤ 2 W	Refer to HR/2020/A000201	Pass
Peak-Average Ratio	§24.232(d)	Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §24.238(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)	<ul> <li>≤ -13 dBm/1 MHz, from 9 kHz to 10<sup>th</sup> harmonics but outside authorized operating frequency ranges.</li> </ul>	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	≤ -13 dBm/1 MHz.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §24.235	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass



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#### 2.3 LTE Band 4/66

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	Refer to HR/2020/A000201	Pass
Peak-Average Ratio	§27.50(d)(5)	Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §27.53(h)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13 dBm/1 MHz, from 9 kHz to 10 <sup>th</sup> harmonics but outside authorized operating frequency ranges.	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(h)	≤ -13 dBm/1 MHz.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass



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Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2W	Refer to HR/2020/A000201	Pass
Peak-Average Ratio		≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §27.53(m4)	For mobile digital stations, 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 de ned in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 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.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	Channel Edge -25 dBm/ 1 MHz 9 kHz 95 MHz X=Max {6MHz, EBW}	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	Channel Edge -25 dBm/ 1 MHz 1 MHz 9 kHz 9 kHz X=Max {6MHz, EBW}	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass

#### 2.4 LTE Band 7/41



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#### 2.5 LTE Band 12/17

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Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)(10)	ERP ≤ 3 W.	Refer to HR/2020/A000201	Pass
Peak-Average Ratio		Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10 <sup>th</sup> harmonics but outside authorized operating frequency ranges.	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	FCC: ≤ -13 dBm/100 kHz.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass



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Test Item	FCC Rule No.	Requirements	Test Result	Verdict	
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(b)(10)	ERP ≤ 3 W.	Refer to HR/2020/A000201	Pass	
Peak-Average Ratio		Limit≤13 dB	Refer to HR/2020/A000201	Pass	
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass	
Bandwidth	§2.1049,	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass	
Band Edges Compliance	§2.1051, §27.53(c)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass	
Spurious Emission at Antenna Terminals	§2.1051, §27.53(c) §27.53(f)	<ul> <li>≤ -13 dBm/100 kHz, from 9 kHz to 10<sup>th</sup> harmonics but outside authorized operating frequency ranges.</li> <li>On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.</li> <li>For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.</li> </ul>	Refer to HR/2020/A000201	Pass	
Field Strength of Spurious Radiation	§2.1053, §27.53(c) §27.53(f)	FCC: ≤ -13 dBm/100 kHz. For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559- 1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Section 4.1	Pass	
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass	

#### 2.6 LTE Band 13



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#### 2.7 LTE Band 14

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §90.542(c) §90.542(d)	ERP ≤ 3 W.	Refer to HR/2020/A000201	Pass
Peak-Average Ratio		Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Emission Mask	§2.1051 §90.210(n)	Transmitters designed for operation under this part on frequencies other than listed in this section must meet the emission Mask B. Equipment operating under this part on frequencies allocated to but shared with the Federal Government, must meet the applicable Federal Government technical standards (b) Emission Mask B. For transmitters that are equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier power (P) as follows: (1) On any frequency removed from the assigned frequency by more than 50 percent, but not more than 100 percent of the authorized bandwidth: At least 25 dB.(2) On any frequency removed from the assigned frequency by more than 100 percent, but not more than 250 percent of the authorized bandwidth: At least 35 dB(3) On any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth: At least 43 + 10 log (P) dB.	Refer to HR/2020/A000201	Pass



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		•	o.: SUHR/2021/B0	01101
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Band Edges Compliance	§2.1051 §90.543(e)(2)(3)	Page: (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.(2) On all frequencies between 769-775 MHz and 799- 805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.	11 of 32 Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §90.543(c) §90.543(f)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges. For operations in the 758–775 MHz and 788– 805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/ MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §90.543(c) §90.543(f)	FCC: ≤ -13 dBm/100 kHz. For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/ MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §90.213	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass



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#### 2.8 LTE Band 26(814~824 MHz)

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Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Transmitter Conducted Power Output	§2.1046, §90.635(b)	< 100 W.	Refer to HR/2020/A000201	Pass
Peak-Average Ratio		Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Emission Mask	§2.1051 § 90.691(a)	For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50+10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §90.691	< 43 + 10Log10(P[Watts]) for all out-of-band emissions	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §90.691	< 43 + 10Log10(P[Watts]) for all out-of-band emissions	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §90.213	Within authorized bands of operation/frequency block.	Refer to HR/2020/A000201	Pass



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#### 2.9 LTE Band 71

Testites		De muine na ante	Test Desult	Manaliat
Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046 §27.50(c)(10)	EIRP ≤ 3 W	Refer to HR/2020/A000201	Pass
Peak-Average Ratio		Limit≤13 dB	Refer to HR/2020/A000201	Pass
Modulation Characteristics	§2.1047	Digital modulation	Refer to HR/2020/A000201	Pass
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Refer to HR/2020/A000201	Pass
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	Refer to HR/2020/A000201	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	<ul> <li>≤ -13 dBm/1 MHz, from 9 kHz to 10<sup>th</sup> harmonics but outside authorized operating frequency ranges.</li> </ul>	Refer to HR/2020/A000201	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -13 dBm/1 MHz.	Section 4.1	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	within the authorized bands of operation.	Refer to HR/2020/A000201	Pass



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Remark:

This test report (Report No.: SUHR/2021/B001101 issued on 2022/1/17) is based on the original FCC ID with ID number XMR2021SC606TNAD issued on 2022/1/16.

Review this report and original report, this report just changing the parts according to the declaration letter from client.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report only radiated spurious emissions were performed based on the worst case of the original FCC ID with ID number XMR2021SC606TNAD issued on 2022/1/16 and other test data in this report are based on the previous FCC ID with ID number XMR2021SC606TNAD issued on 2022/1/16.



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### **3** General Information

#### 3.1 Details of Client

Applicant:	Quectel Wireless Solutions Co., Ltd.		
Address of Applicant:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233		
Manufacturer:	Quectel Wireless Solutions Co., Ltd.		
Address of Manufacturer:	Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233		

#### 3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Weller Liu, King-p Li, Nature Shen, Tizzy Song

### 3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA (Certificate No. 6336.01)
SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.
Innovation, Science and Economic Development Canada
SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.
CAB identifier: CN0120.
IC#: 27594.
FCC –Designation Number: CN1312
SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.
Designation Number: CN1312.
Test Firm Registration Number:0031225543



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#### 3.4 General Description of EUT

EUT Description:	LTE Module						
Model No.:	SC606T-NAD						
Trade Mark:	Quectel						
Hardware Version:	R1.0						
Software Version:	SC606TNADNAR09A01						
Sample Type:	Portable Device, Mo	dule					
Antenna Type:	External, Integrated						
	Provided by applicant						
	LTE Band 2: 4.00	Bi	LTE Band 4:	4.0dBi			
	LTE Band 5: 4.0c	Bi	LTE Band 7:	4.0dBi			
Antenna Gain*:	LTE Band 12: 4.0c	Bi	LTE Band 13	3: 4.0dBi			
Antenna Gain .	LTE Band 14: 4.0c	Bi	LTE Band 17	7: 4.0dBi			
	LTE Band 25: 4.0c	Bi	LTE Band 26	6: 4.0dBi			
	LTE Band 41: 4.0c	Bi	LTE Band 66	6: 4.0dBi			
	LTE Band 71: 4.0c	Bi					
	Provided by applicant						
RF Cable*:	0.5dB(0.6~1GHz)	0.8dB(1.4~2	GHz)	1.0dB(2.1~2.7GHz)			
	1.5dB(3~4GHz) 1.8dB(4		~6GHz)				
Descal							

Remark:

\*Since the above data and/or information is provided by the applicant relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.



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#### 3.5 Test Mode

Test Mode	Test Modes Description			
LTE/TM1	LTE system, QPSK modulation			
LTE/TM2 LTE system, 16QAM modulation				
Remark: The test mode(s) are selected according to relevant radio technology specifications.				

#### 3.6 Test Environment

Environment Parameter	101.0 KPa Selected Values During Tests			
Relative Humidity	44-46 % RH Ambient			
Value	Temperature(°C)	Voltage(V)		
NTNV	22~23	3.85		
LTLV	-35	3.55		
LTHV	-35	4.3		
HTLV	65	3.55		
HTHV	65	4.3		
Remark:				
NV: Normal Voltage				
NT: Normal Temperature				
LT: Low Extreme Test Temperature				
HT: High Extreme Test Temperature				
LV: Low Extreme Test Voltage				
HV: High Extreme Test Voltage				



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#### 3.7 Technical Specification

Characteristics	Description					
Radio System Type	🖾 LTE					
	Band	ТХ			RX	
	LTE Band 2	1850 to 1910	) MHz		1930 to 1990 MHz	
	LTE Band 4	1710 to 1755 MHz			2110 to 2155 MHz	
	LTE Band 5	824 to 849 M	1Hz		869 to 89	4 MHz
	LTE Band 7	2500 to 2570	) MHz		2620 to 2	2690 MHz
	LTE Band 12	699 to 716 M	1Hz		729 to 74	6 MHz
Supported Frequency Range	LTE Band 13	777 to 787 M	1Hz		746 to 75	6 MHz
	LTE Band 14	788 to 798 M	1Hz		758 to 76	8 MHz
	LTE Band 17	704 to 716 M	1Hz		734 to 74	6 MHz
	LTE Band 25	1850 to 1915	5MHz		1930 to 1	995 MHz
	LTE Band 26	814 to 824M	Ц-7		859 to 869 MHz	
	(814 to 824 MHz )	814 to 824MHZ			009 10 009 MITZ	
	LTE Band 26	824 to 849 MHz			869 to 894 MHz	
-	(824 to 849 MHz )					
	LTE Band 41	2496 to 2690MHz		2496 to 2690MHz		
	LTE Band 66	1710 to 1780 MHz			2110 to 2180 MHz	
	LTE Band 71	663 to 698 M		617 to 652 MHz		
	LTE Band 2	🖾 1.4 MHz [		$\geq$	⊴5 MHz	⊠10 MHz
			⊠20 MHz			
	LTE Band 4	🖾 1.4 MHz 🛛		$\geq$	⊴5 MHz	⊠10 MHz
			⊠20 MHz			
	LTE Band 5	🖾 1.4 MHz [	⊠3 MHz		⊴5 MHz	⊠10 MHz
	LTE Band 7	🛛 5 MHz 🛛	⊠10 MHz	$\geq$	∐15 MHz	⊠20 MHz
Supported Channel Bandwidth	LTE Band 12	🖾 1.4 MHz 🛛	⊠3 MHz	$\geq$	⊴5 MHz	⊠10 MHz
	LTE Band 13	🛛 5 MHz 🛛 🛛	⊠10 MHz			
	LTE Band 14	🛛 5 MHz 🛛 🛛	⊠10 MHz			
	LTE Band 17	🛛 5 MHz 🛛 🛛	⊠10 MHz			
	LTE Band 25		⊠3 MHz	$\geq$	⊴5 MHz	⊠10 MHz
		🛛 15 MHz 🛛	⊠20 MHz			
	LTE Band 26(814-824)	🖾 1.4 MHz [	⊠3 MHz	$\geq$	⊴5 MHz	⊠10 MHz
	LTE Band 26(824-849)	🖾 1.4 MHz [	⊠3 MHz	$\geq$	⊴5 MHz	⊠10 MHz



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		⊠15 MH	Z		
	LTE Band 41	⊠5 MHz	⊠10 MH:	z 🛛 15 MHz	🛛 20 MHz
	LTE Band 66	⊠1.4 M⊦	Hz ⊠3 MHz	⊠5 MHz	⊠10 MHz
		⊠15MHz	z 🛛 20MHz		
	LTE Band 71	⊠5MHz	⊠10MHz	⊠15MHz	⊠20MHz



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Toot Mode	Dondwidth	TV / DV		RF Channel	
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)
		тх	Channel 18607	Channel 18900	Channel 19193
	1.4MHz		1850.7 MHz	1880 MHz	1909.3 MHz
		RX	Channel 607	Channel 900	Channel 1193
			1930.7 MHz	1960 MHz	1989.3 MHz
		ТΧ	Channel 18615	Channel 18900	Channel 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
	3MHz	RX	Channel 615	Channel 900	Channel 1185
			1931.5 MHz	1960 MHz	1988.5 MHz
	5MHz	ТХ	Channel 18625	Channel 18900	Channel 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
		RX	Channel 625	Channel 900	Channel1175
LTE Band 2			1932.5 MHz	1960 MHz	1987.5 MHz
LTE Dallu Z	10MHz	ТХ	Channel 18650	Channel 18900	Channel 19150
			1855 MHz	1880 MHz	1905 MHz
		RX	Channel 650	Channel 900	Channel 1150
		ΓA	1935 MHz	1960 MHz	1985 MHz
		ТХ	Channel 18675	Channel 18900	Channel 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
	15MHz	RX	Channel 675	Channel 900	Channel 1125
		ΓA	1937.5 MHz	1960 MHz	1982.5 MHz
		тх	Channel 18700	Channel 18900	Channel 19100
			1860 MHz	1880 MHz	1900 MHz
	20MHz	PV	Channel 700	Channel 900	Channel 1100
		RX	1940 MHz	1960 MHz	1980 MHz

#### 3.8 Test Frequencies

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Test Mede	Dave also si altita			RF Channel	
Test Mode	Bandwidth	TX / RX	Low (L)	Middle (M)	High (H)
		ТХ	Channel 19957	Channel 20175	Channel 20393
			1710.7 MHz	1732.5 MHz	1754.3 MHz
	1.4MHz	RX	Channel 1975	Channel 2175	Channel 2375
		КЛ	2112.5 MHz	2132.5MHz	2152.5 MHz
		ТХ	Channel 19965	Channel 20175	Channel 20385
	3MHz	IX	1711.5 MHz	1732.5 MHz	1753.5 MHz
		RX	Channel 2000	Channel 2175	Channel 2350
			2115 MHz	2132.5MHz	2150 MHz
	5MHz	TX RX	Channel 19975	Channel 20175	Channel 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
			Channel 1975	Channel 2175	Channel 2375
			2112.5 MHz	2132.5MHz	2152.5 MHz
LTE Band 4		ТХ	Channel 20000	Channel 20175	Channel 20350
			1715 MHz	1732.5 MHz	1750 MHz
	10MHz	RX	Channel 2000	Channel 2175	Channel 2350
			2115 MHz	2132.5MHz	2150 MHz
		ТХ	Channel 20025	Channel 20175	Channel 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
	15MHz	RX	Channel 2025	Channel 2175	Channel 2325
			2117.5 MHz	2132.5MHz	2147.5 MHz
		ТХ	Channel 20050	Channel 20175	Channel 20300
			1720 MHz	1732.5 MHz	1745 MHz
	20MHz	RX	Channel 2050	Channel 2175	Channel 2300
		ΓΛ	2120 MHz	2132.5MHz	2145 MHz

Toot Mode	Bandwidth	ridth TX / RX	RF Channel			
Test Mode			Low (L)	Middle (M)	High (H)	
		ту	Channel 20407	Channel 20525	Channel 20643	
		ТХ	824.7 MHz	836.5 MHz	848.3 MHz	
	1.4MHz	RX	Channel 2407	Channel 2525	Channel 2643	
		КЛ	869.7 MHz	881.5 MHz	893.3 MHz	
		ТХ	Channel 20415	Channel 20525	Channel 20635	
	3MHz 5MHz		825.5 MHz	836.5 MHz	847.5 MHz	
		RX TX	Channel 2415	Channel 2525	Channel 2635	
			870.5 MHz	881.5 MHz	892.5 MHz	
LTE Band 5			Channel 20425	Channel 20525	Channel 20625	
			826.5 MHz	836.5 MHz	846.5 MHz	
		RX	Channel 2425	Channel 2525	Channel 2625	
			871.5 MHz	881.5 MHz	891.5 MHz	
		ТХ	Channel 20450	Channel 20525	Channel 20600	
			829 MHz	836.5 MHz	844 MHz	
	10MHz	DV	Channel 2450	Channel 2525	Channel 2600	
	RX	INA	874 MHz	881.5 MHz	889 MHz	



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Test Mede	Donoduuidth		RF Channel				
Test Mode	Bandwidth	TX / RX	Low (L)	Middle (M)	High (H)		
		тх	Channel 20775	Channel 21100	Channel 21425		
			2502.5 MHz	2535 MHz	2567.5 MHz		
	5MHz	RX	Channel 2775	Channel 3100	Channel 5825		
		ΓΛ	2622.5 MHz	2655 MHz	2687.5 MHz		
		тх	Channel 20800	Channel 21100	Channel 21400		
			2505 MHz	2535 MHz	2565 MHz		
	10MHz	RX	Channel 2800	Channel 3100	Channel 3400		
			2625 MHz	2655 MHz	2685 MHz		
LTE Band 7		TV	Channel 20825	Channel 21100	Channel 21375		
		ТХ	2507.5 MHz	2535 MHz	2562.5 MHz		
	15MHz	DV	Channel 2825	Channel 3100	Channel 3375		
		RX	2627.5 MHz	2655 MHz	2682.5 MHz		
		ТХ	Channel 20850	Channel 21100	Channel 21350		
			2510 MHz	2535 MHz	2560 MHz		
	20MHz	BV	Channel 2850	Channel 3100	Channel 3350		
		RX	2630 MHz	2655 MHz	2680 MHz		

Test Made	Bandwidth			RF Channel	
Test Mode	Danuwidin	TX / RX	Low (L)	Middle (M)	High (H)
		ТХ	Channel 23017	Channel 23095	Channel 23173
			699.7 MHz	707.5 MHz	715.3 MHz
	1.4MHz	RX	Channel 5017	Channel 5095	Channel 5173
		КЛ	729.7 MHz	737.5 MHz	745.3 MHz
		тх	Channel 23025	Channel 23095	Channel 23165
			700.5 MHz	707.5 MHz	714.5 MHz
	3MHz	RX	Channel 5025	Channel 5095	Channel 5165
		ΓA	730.5 MHz	737.5 MHz	744.5 MHz
LTE Band 12		TV	Channel 23035	Channel 23095	Channel 23155
		ТХ	701.5 MHz	707.5 MHz	713.5 MHz
	5MHz	RX	Channel 5035	Channel 5095	Channel 5155
		КЛ	731.5 MHz	737.5 MHz	743.5 MHz
		тх	Channel 23060	Channel 23095	Channel 23130
			704 MHz	707.5 MHz	711 MHz
	10MHz	RX	Channel 5060	Channel 5095	Channel 5130
		ΓA	734 MHz	737.5 MHz	741 MHz



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Test Mode	Bandwidth	TX / RX		RF Channel				
Test Mode	Danuwidth		Low (L)	Middle (M)	High (H)			
		тх	Channel 23025	Channel 23230	Channel 23255			
			779.5 MHz	782 MHz	784.5 MHz			
	5MHz	RX	Channel 5205	Channel 5230	Channel 5255			
LTE Band 13			748.5 MHz	751 MHz	753.5 MHz			
LTE Danu 15		тх	Channel 23230	Channel 23230	Channel 23230			
			782 MHz	782 MHz	782 MHz			
	10MHz	RX	Channel 5230	Channel 5230	Channel 5230			
		ΓA	751 MHz	751 MHz	751 MHz			
Teet Mede	Test Made Dandwidth			RF Channel				
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)			
		тх	Channel 23305	Channel 23330	Channel 23355			
		IX	790.5 MHz	793 MHz	795.5 MHz			
	5MHz	RX	Channel 5305	Channel 5330	Channel 5355			
LTE Band 14		КЛ	760.5 MHz	763 MHz	765.5 MHz			
LIE Danu 14		ТХ	Channel 23330	Channel 23330	Channel 23330			
		17	793MHz	793 MHz	793 MHz			
	10MHz	RX	Channel 5330	Channel 5330	Channel 5330			
		КЛ	763MHz	763 MHz	763 MHz			
Teet Mede	Donoduuidth			RF Channel				
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)			
		ту	Channel 23755	Channel 23790	Channel 23825			
		TX	706.5 MHz	710 MHz	713.5 MHz			
	5MHz	DV	Channel 5755	Channel 5790	Channel 5825			
		RX	736.5 MHz	740 MHz	743.5 MHz			
LTE Band 17		ту	Channel 23780	Channel 23790	Channel 23800			
		TX	709 MHz	710 MHz	711 MHz			
	10MHz	DV	Channel 5780	Channel 5790	Channel 5800			
		RX	739 MHz	740 MHz	741 MHz			



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739 MHz

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740 MHz

741 MHz

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<b>T</b> ( <b>M</b> )		<b>T</b> Y ( <b>D</b> )(		RF Channel			
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)		
		<b>T</b> )/	Channel 26047	Channel 26365	Channel 26683		
		ТХ	1850.7 MHz	1882.5 MHz	1914.3 MHz		
	1.4MHz	RX	Channel 8047	Channel 8365	Channel 8683		
		КЛ	1930.7 MHz	1962.5 MHz	1994.3 MHz		
		тх	Channel 26055	Channel 26365	Channel 26675		
			1851.5 MHz	1882.5 MHz	1913.5 MHz		
	3MHz	RX	Channel 8055	Channel 8365	Channel 8675		
		ΓΛ	1931.5 MHz	1962.5 MHz	1993.5 MHz		
		TV	Channel 26065	Channel 26365	Channel 26665		
		ТХ	1852.5 MHz	1882.5 MHz	1912.5 MHz		
	5MHz	RX	Channel 8065	Channel 8365	Channel 8665		
		КЛ	1932.5 MHz	1962.5 MHz	1992.5 MHz		
LTE Band 25		тх	Channel 26090	Channel 26365	Channel 26640		
			1855 MHz	1882.5 MHz	1910 MHz		
	10MHz	RX	Channel 8090	Channel 8365	Channel 8640		
		КЛ	1935 MHz	1962.5 MHz	1990 MHz		
		тх	Channel 26115	Channel 26365	Channel 26615		
			1857.5 MHz	1882.5 MHz	1907.5 MHz		
	15MHz	RX	Channel 8115	Channel 8365	Channel 8615		
			1937.5 MHz	1962.5 MHz	1987.5 MHz		
		ту	Channel 26140	Channel 26365	Channel 26590		
		ТХ	1860 MHz	1882.5 MHz	1905 MHz		
	20MHz	RX	Channel 8140	Channel 8365	Channel 8590		
		٢٨	1940 MHz	1962.5 MHz	1985 MHz		

Toot Mada	Bandwidth	TX / RX		RF Channel	
Test Mode	Danuwiuun		Low (L)	Middle (M)	High (H)
		ТХ	Channel 26697	Channel 26740	Channel 26783
			814.7 MHz	819 MHz	823.3 MHz
	1.4MHz	RX	Channel 8697	Channel 8740	Channel 8783
		КЛ	859.7 MHz	864MHz	868.3 MHz
		ТХ	Channel 26705	Channel 26740	Channel 26775
			815.5 MHz	819 MHz	822.5 MHz
	3MHz	RX	Channel 8705	Channel 8740	Channel 8775
LTE Band 26		КЛ	860.5 MHz	864MHz	867.5 MHz
(814-824)		TV	Channel 26715	Channel 26740	Channel 26765
(0.1.0_1)		ТХ	816.5 MHz	819 MHz	821.5 MHz
	5MHz	RX	Channel 8715	Channel 8740	Channel 8755
		КЛ	861.5 MHz	864MHz	866.5 MHz
		ТХ	Channel 26740	Channel 26740	Channel 26740
			819 MHz	819 MHz	819 MHz
	10MHz	RX	Channel 8740	Channel 8740	Channel 8740
		ΓΛ	864MHz	864MHz	864MHz



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Test Mede	Donoduuidth			RF Channel			
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)		
		тх	Channel 26797	Channel 26915	Channel 27033		
			824.7 MHz	836.5 MHz	848.3 MHz		
	1.4MHz	RX	Channel 8697	Channel 8915	Channel 9033		
			859.7 MHz	881.5 MHz	893.3 MHz		
		тх	Channel 26805	Channel 26915	Channel 27025		
			825.5 MHz	836.5 MHz	847.5 MHz		
	3MHz	RX	Channel 8805	Channel 8915	Channel 9025		
			860.5 MHz	881.5 MHz	892.5 MHz		
		ту	Channel 26815	Channel 26915	Channel 27015		
LTE Band26		ТХ	826.5 MHz	836.5 MHz	846.5 MHz		
(824-849)	5MHz	RX	Channel 8815	Channel 8915	Channel 9015		
(		КЛ	871.5 MHz	881.5 MHz	891.5 MHz		
		тх	Channel 26840	Channel 26915	Channel 26990		
			829 MHz	836.5 MHz	844 MHz		
	10MHz	RX	Channel 8840	Channel 8915	Channel 8990		
		ΓΛ	874 MHz	881.5 MHz	889 MHz		
		тх	Channel 26865	Channel 26915	Channel 26965		
			831.5 MHz	836.5 MHz	841.5 MHz		
	15MHz	RX	Channel 8865	Channel 8915	Channel 8965		
			876.5 MHz	881.5 MHz	886.5 MHz		

Toot Mode	Bandwidth	TX / RX	RF Channel				
Test Mode	Danuwiuun		Low (L)	Middle (M)	High (H)		
			Channel 39675	Channel40620	Channel 41565		
	5MHz	IX/KX	2498.5 MHz	2593 MHz	2687.5 MHz		
			Channel 39700	Channel40620	Channel 41540		
LTE Band 41	10MHz	IX/RX	2501 MHz	2593 MHz	2685 MHz		
(2496-2690)		TY / DY	Channel 39725	Channel40620	Channel 41515		
, ,	15MHz	IX/RX	2503.5 MHz	2593 MHz	2682.5 MHz		
			TX / RX         Channel 39675         Channel40620         Channel 41           2498.5 MHz         2593 MHz         2687.5 MHz           TX / RX         Channel 39700         Channel40620         Channel 41           TX / RX         Channel 39700         Channel40620         Channel 41           TX / RX         Channel 39725         Channel40620         Channel 41           TX / RX         Channel 39725         Channel40620         Channel 41           TX / RX         Channel 39725         Channel40620         Channel 41           TX / RX         Channel 39750         Channel40620         Channel 41           TX / RX         Channel 39750         Channel40620         Channel 41				
	20MHz	IA/RA	2506 MHz	2593 MHz	2680 MHz		



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				RF Channel			
Test Mode	Bandwidth	TX/RX	Low (L)	Middle (M)	High (H)		
		тх	Channel 131979	Channel 132322	Channel 132665		
			1710.7 MHz	1745 MHz	1779.3 MHz		
	1.4MHz	RX	Channel 66443	Channel 66786	32 High (H) Channel 132665 1779.3 MHz Channel 67329 2199.3 MHz Channel 67329 2199.3 MHz Channel 132657 1778.5MHz Channel 67321 2198.5MHz Channel 132647 1777.5 MHz Channel 67311 2197.5 MHz Channel 67286 2195 MHz		
		КЛ	2110.7 MHz	2145MHz	2199.3 MHz		
		ТХ	Channel 131987	Channel 132322	Channel 132657		
			1711.5 MHz	1745 MHz	1778.5MHz		
	3MHz	RX	Channel 66451	Channel 66786	Channel 67321		
		КЛ	2111.5 MHz	2145MHz	2198.5MHz		
		<b>T</b> 1/	Channel 131997	Channel 132322	Channel 132647		
		TX	1712.5 MHz	1745 MHz	1777.5 MHz		
	5MHz	RX	Channel 66461	Channel 66786	Channel 67311		
LTE Band66		КЛ	2112.5 MHz	2145MHz	2197.5 MHz		
LIE Bandoo		ТХ	Channel 132022	Channel 132322	Channel 132622		
			1715 MHz	1745 MHz	1775 MHz		
	10MHz	RX	Channel 66486	Channel 66786	Channel 67286		
		КЛ	2115 MHz	2145MHz	2195 MHz		
		ТХ	Channel 132047	Channel 132322	Channel 132597		
			1717.5 MHz	1745 MHz	1772.5 MHz		
	15MHz	RX	Channel 66511	Channel 66786	Channel 67261		
		100	2117.5 MHz	2145MHz	2192.5 MHz		
			Channel 132072	Channel 132322	Channel 132572		
		ТХ	1720 MHz	1745 MHz	1770 MHz		
	20MHz	RX	Channel 66536	Channel 66786	Channel 67236		
		٢٨	2120 MHz	2145MHz	2190 MHz		

Toot Mode	Bandwidth	TX / RX		RF Channel	
Test Mode	Danuwiuun		Low (L)	Middle (M)	High (H)
		тх	Channel 133147	Channel 133297	Channel 133447
			665.5 MHz	680.5 MHz	695.5 MHz
	5MHz	RX	Channel 68611	Channel 68761	Channel 68911
		КΛ	619.5 MHz	634.5 MHz	649.5 MHz
		тх	Channel 133172	Channel 133297	Channel 133422
			668 MHz	680.5 MHz	693 MHz
	10MHz	RX	Channel 68636	Channel 68761	Channel 68886
LTE Band71		КΛ	622 MHz	634.5 MHz	647 MHz
LIE Danur I		тх	Channel 133197	Channel 133297	Channel 133397
			670.5 MHz	680.5 MHz	690.5 MHz
	15MHz	RX	Channel 68661	Channel 68761	Channel 68861
		ΓЛ	624.5 MHz	634.5 MHz	644.5 MHz
		тх	Channel 133222	Channel 133297	Channel 133372
			673 MHz	680.5 MHz	688 MHz
	20MHz	RX	Channel 68686	Channel 68761	Channel 68836
		INA	627 MHz	634.5 MHz	642 MHz



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### 4 Description of Tests

#### 4.1 Field Strength of Spurious Radiation

Measurement Procedure: FCC KDB 971168 D01 V03r01

#### Below 1GHz test procedure as below:

- 1). The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 4). Test the EUT in the lowest channel, the middle channel ,the Highest channel.
- 5). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 6). Repeat above procedures until all frequencies measured was complete.

 $E (dB\mu V/m) = Measured amplitude level (dB\mu V) + (Cable Loss (dB) + Antenna Factor (dB/m) - AMP(dB))$ 

EIRP (dBm) = E (dB $\mu$ V/m) + 20 log D - 104.8; where D is the measurement distance in meters

#### Above 1GHz test procedure as below:

- 1) Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber
- 2) Calculate power in dBm by the following formula:
   E (dBµV/m) = Measured amplitude level (dBµV) + (Cable Loss (dB) + Antenna Factor (dB/m) AMP(dB))
   EIRP (dBm) = E (dBµV/m) + 20 log D 104.8; where D is the measurement distance in meters
- 3). Test the EUT in the lowest channel, the middle channel the Highest channel
- 4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.
- 5). Repeat above procedures until all frequencies measured was complete

#### Remark1: Reference test setup 1

Remark2: The emission below 18G were measured at a 3m test distance, while emissions above 18GHz

were measured at a 1m test distance.

#### Remark: Reference test setup 1

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Factor(Antenna Factor + Cable Factor – Preamplifier Factor) 2) Scan from 9kHz to 40GHz, The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) All modes have been tested, but only the worst case data displayed in this report.



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#### Test on the worst case: Radiated Spurious Emissions Traffic mode Test Band =Band14 TM1 Test Channel = Mid

Final	Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.1429	59.93	-118.17	-58.24	-13.00	45.24	196	173	Horizontal
2	2365.77	77.71	-115.30	-37.59	-13.00	24.59	154	312	Horizontal
3	3154.36	50.50	-112.15	-61.65	-13.00	48.65	163	41	Horizontal
4	3942.95	49.77	-110.81	-61.04	-13.00	48.04	221	349	Horizontal
5	4731.54	49.70	-108.90	-59.20	-13.00	46.20	147	188	Horizontal
6	5520.13	47.59	-107.49	-59.90	-13.00	46.90	205	213	Horizontal

Final	Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.18	55.72	-118.17	-62.45	-13.00	49.45	106	149	Vertical
2	2365.7143	69.03	-115.30	-46.27	-13.00	33.27	188	188	Vertical
3	3154.36	51.48	-112.15	-60.67	-13.00	47.67	222	360	Vertical
4	3942.95	50.11	-110.81	-60.70	-13.00	47.70	145	347	Vertical
5	4731.54	48.46	-108.90	-60.44	-13.00	47.44	266	4	Vertical
6	5520.13	48.05	-107.49	-59.44	-13.00	46.44	189	288	Vertical



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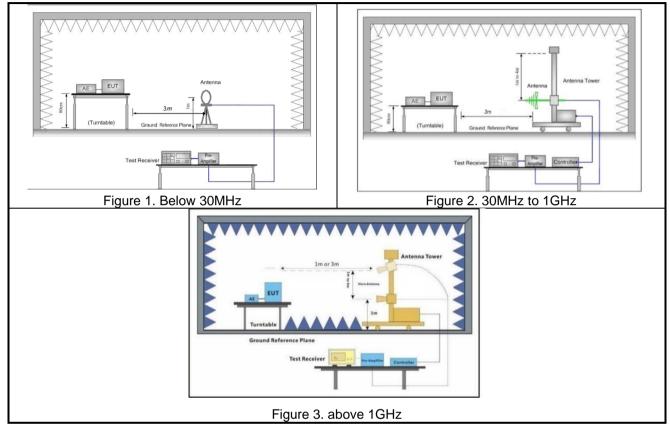
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#### 4.2 Test Setups

#### 4.2.1 Test Setup 1





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### 5 Main Test Instruments

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RSE Test Equipment										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date					
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/5/8	2024/5/7					
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2021/2/20	2022/2/19					
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2021/5/28	2022/5/27					
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2021/2/20	2022/2/19					
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2021/2/20	2022/2/19					
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9163	SUWI-01-11-01	2021/5/16	2022/5/15					
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2021/5/16	2022/5/15					
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2021/5/14	2022/5/13					
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2021/2/20	2022/2/19					
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2021/2/20	2022/2/19					
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2021/2/20	2022/2/19					
Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2021/6/10	2022/6/9					
Measurement Software	Tonscend	JS32-RE V3.0.0.3	SUWI-02-09-04	NCR	NCR					
Radio Communication Analyzer	ROHDE&SCHWARZ	CMW500	SUWI-01-27-01	2021/9/28	2022/9/27					
Radio communication analyzer	Anritsu	MT8820C	SUWI-01-16-08	2021/2/20	2022/2/19					

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### 6 Measurement Uncertainty

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For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

No.	Item	Measurement Uncertainty
1	Radiated Emission	± 3.13dB (9kHz - 30MHz)
		± 4.8dB (30MHz - 1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.8dB (Above 18GHz)



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### 7 Photographs - EUT Constructional Details

Refer to Appendix A.1 WWAN Setup Photos.

The End



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