

FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2529-1
FCC ID	:	IHDT56AV1
STANDARD	:	47 CFR Part 90(S)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Feb. 20, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

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The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

JasonJia

Approved by: Jason Jia



Sporton International Inc. (Kunshan) No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG520602D	Rev. 01	Initial issue of report	Mar. 20, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	_	Report only	-
	§2.1049	Occupied Bandwidth and		Dementente	
3.2	§90.209	26dB Bandwidth	ut Power	Report only	-
2.2	§2.1051	Emission masks –	50 (10 pm, (D[W(attal)	DASS	
3.3	§90.691	In-band emissions	$< 50 + 1000g_{10}(P[vvatts])$	PASS	-
3.4	§2.1051	Emission masks –	- 42 + 10 log (D[\/(attal))	DASS	
3.4	§90.691	Out of band emissions	$< 43 + 1010g_{10}(P[vvalls])$	PASS	-
3.5	§2.1053	Field Strength of Spurious Radiation	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 48.25 dB at
	§90.691	Radiation	ower-Report only-and n-Report only< $50+10\log_{10}(P[Watts])$ PASS< $43+10\log_{10}(P[Watts])$ PASS-ons< $43+10\log_{10}(P[Watts])$ PASS-trious< $43+10\log_{10}(P[Watts])$ PASS48.25offor< $2.5 ppm$ PASS-	3258.00 MHz	
26	§2.1055	Frequency Stability for	- 2 E nnm	DASS	
3.0	3.6 §90.213 Temperature & Voltage		< 2.5 ppm	PASS	-
Conformity	Assessment Con	dition:			

in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all non-compliance that may potentially occur if measurement uncertainty is taken into account.

2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Feature of Equipment Under Test

	Product Feature
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2529-1
FCC ID	IHDT56AV1
IMEI Code	Conducted: 351291190028803 Radiation: 351291190028753/351291190028761
HW Version	DVT2
SW Version	V2VO35.57
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard						
Tx Frequency	814 ~ 824 MHz					
Rx Frequency	859 ~ 869 MHz					
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz					
Maximum Output Power to Antenna	22.68 dBm					
Antenna Gain	<ant0>: -5.5 dBi</ant0>					
Type of Modulation	QPSK / 16QAM / 64QAM					

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum Conducted Power and Emission Designator

Ľ	TE Band 26	QP	SK	16QAM/64QAM				
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)			
1.4	814.7 ~ 823.3	0.1854	1M09G7D	0.1618	1M09W7D			
3	815.5 ~ 822.5	0.1866	2M71G7D	0.1633	2M72W7D			
5	816.5 ~ 821.5	0.1832	4M49G7D	0.1641	4M49W7D			
10	819.0	0.1854	9M03G7D	0.1600	9M03W7D			
15	824	0.1782	13M5G7D	0.1618	13M4W7D			

Note: All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Ir	porton International Inc. (Kunshan)							
	No. 1098, Pengxi North Road, Kunshan Economic Development Zone								
Test Site Location	Jiangsu Province 215300 People's Republic of China								
	TEL : +86-512-57900158								
	Sporton Site No.	FCC Designation No.	FCC Test Firm						
Test Site No.	Sporton Site No.	FCC Designation No.	Registration No.						
	TH01-KS	CN1257	314309						



Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)	
Test Site Location	101, 1st Floor, Block B, Bu Community, Fuyong Street Province 518103 People's TEL: +86-755-86066985	, Baoan District, Shenzher	
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

Test data subcontracted: Radiated Spurious Emission test case in section 3.5 of this report.

1.8 Test Software

ltem	Site	Manufacture	Name	Version
1.	TH01-KS		FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.9 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR 90(S)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 971168 D02 Misc Rev Approv License Devices v02r02

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



1.10 Specification of Accessory

Accessories Information								
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L				
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-332L				
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-333L				
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-335L				
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-336L				
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-337L				
AC Adapter 1(CHILE)	Brand Name	Motorola(Salcomp)	Model Name	MC-339L				
AC Adapter 1(KR)	Brand Name	Motorola(Salcomp)	Model Name	MC-330L				
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L				
AC Adapter 2(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-332L				
AC Adapter 2(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-333L				
AC Adapter 2(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-336L				
AC Adapter 2(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-337L				
AC Adapter 3(IN)	Brand Name	Motorola(AOHAI)	Model Name	MC-334L				
AC Adapter 3(IN)	Brand Name	Motorola(XIHI)	Model Name	MC-334L				
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L				
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L				
AC Adapter 5(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331				
Battery 1	Brand Name	Motorola(Sunwoda)	Model Name	RB52				
Battery 2	Brand Name	Motorola(NVT)	Model Name	RB52				
Battery 3	Brand Name	Motorola(SCUD)	Model Name	RB52				
USB Cable 1	Brand Name	Motorola(Yihuaxing)	Model Name	T365-020 T365-020-01 T365-020-02				
USB Cable 2	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-01 HX-TL-07 HX-TL-08				
USB Cable 3	Brand Name	Motorola(Juwei)	Model Name	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H				



2 Test Configuration of Equipment Under Test

2.1 Test Mode

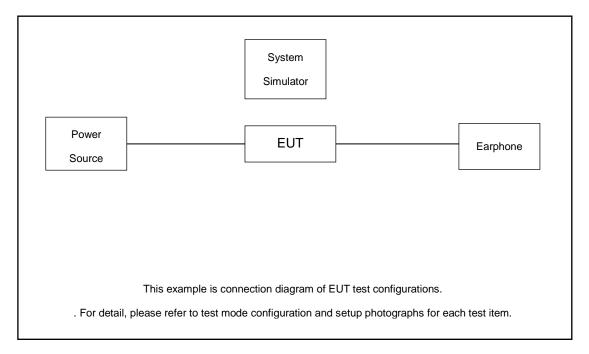
During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

		Bandwidth (MHz)				Modulation				RB #			Test Channel				
Test Items	Band	1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	М	н
Max. Output Power	26	v	v	v	v	v	-	v	v	v	-	v	v	v	v	v	v
26dB and 99% Bandwidth	26	v	v	v	v	v	-	v	v		-			v		v	
Emission masks In-band emissions	26	v	v	v	v	v	-	v	v	v	-	v		v	v		v
Emission masks – Out of band emissions	26	v	v	v	v	v	-	v			-	v			v	v	v
Frequency Stability	26				v		-	v			-			v		v	
Radiated Spurious Emission	26				v		-	v			-	v			v	v	v
Note	2. The 3. LTE over spec 4. For	 The mark "-" means that this bandwidth is not supported. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies. 															

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz. (X Plane)



2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

ľ	tem	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
	1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
	2.	Earphone	N/A	N/A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.0 dB and a 10dB attenuator. Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.0 + 10 = 14.0 (dB)



2.5 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List							
BW [MHz] Channel/Frequency(MHz) Lowest Middle Highes							
10	Channel	-	26740	-			
10	Frequency	-	819	-			
5	Channel	26715	26740	26765			
D	Frequency	816.5	819	821.5			
3	Channel	26705	26740	26775			
5	Frequency	815.5	819	822.5			
1.4	Channel	26697	26740	26783			
1.4	Frequency	814.7	819	823.3			

	LTE Band 26 Cross-rule Channel and Frequency List							
BW [MHz]	Channel/Frequency(MHz)	-	Middle	-				
45	Channel	-	26790	-				
15	Frequency	-	824	-				
40	Channel	-	26790	-				
10	Frequency	-	824	-				
5	Channel	-	26790	-				
5	Frequency	-	824	-				
3	Channel	-	26790	-				
5	Frequency	-	824	-				
1.4	Channel	-	26790	-				
1.4	Frequency	-	824	-				



3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

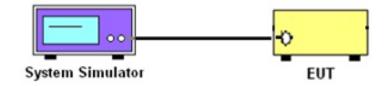
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

- 1. The transmitter output port was connected to the system simulator.
- 2. Set EUT at maximum power through the system simulator.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Measure and record the power level from the system simulator.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Please refer to Appendix A.



3.2 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.2.1 Description of (Occupied) Bandwidth Limitations Measurement

The 99% 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.

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

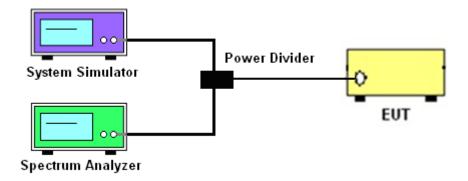
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

- 1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF power with full RB sizes were measured.

3.2.4 Test Setup



3.2.5 Test Result of 99% Occupied Bandwidth and 26dB Bandwidth

Please refer to Appendix A.



3.3 Emissions Mask Measurement

3.3.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a):

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) 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 + 10 Log₁₀(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.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 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 37.5 kHz.

3.3.2 Measuring Instruments

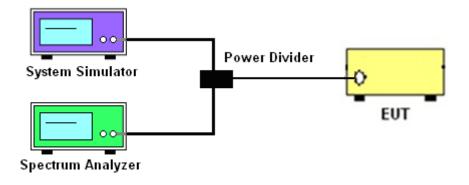
The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

- 1. The EUT was connected to spectrum analyzer and base station via power divider.
- 2. The emissions mask of low and high channels for the highest RF powers were measured.
- The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and the RBW correction factor 10log (1% of OBW/measured RBW)(dB) was compensated, if required.
- 4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



3.3.4 Test Setup



3.3.5 Test Result (Plots) of Conducted Emissions Mask

Please refer to Appendix A.



3.4 Emissions Mask – Out Of Band Emissions Measurement

3.4.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by out of the authorized bandwidth at least $43 + 10 \log (P) dB$. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

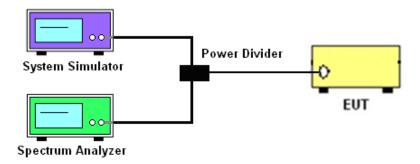
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

- 1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 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.
- 3. The middle channel for the highest RF power within the transmitting frequency was measured.
- 4. The conducted spurious emission for the whole frequency range was taken.
- 5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 7. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

3.4.4 Test Setup



3.4.5 Test Result (Plots) of Conducted Emission

Please refer to Appendix A.

3.5 Field Strength of Spurious Radiation Measurement

3.5.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

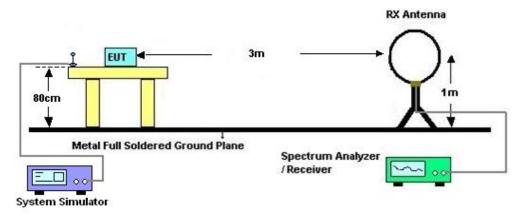
3.5.3 Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. 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.
- 5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
- 6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- 7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 8. Taking the record of output power at antenna port.
- 9. Repeat step 7 to step 8 for another polarization.
- 10. EIRP (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 11. ERP (dBm) = EIRP 2.15
- 12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 13. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

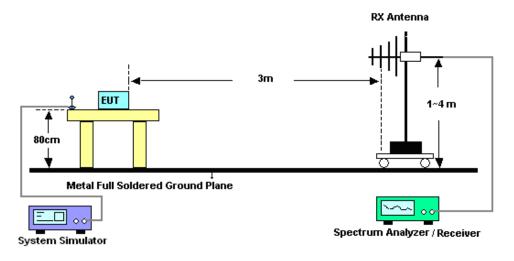


3.5.4 Test Setup

For radiated test from 30MHz

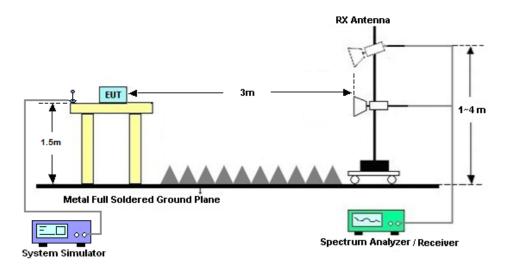


For radiated test from 30MHz to 1GHz





For radiated test above 1GHz



3.5.5 Test Result of Field Strength of Spurious Radiated

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



3.6 Frequency Stability Measurement

3.6.1 Description of Frequency Stability Measurement

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 $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency according to FCC Part 90.213.

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures for Temperature Variation

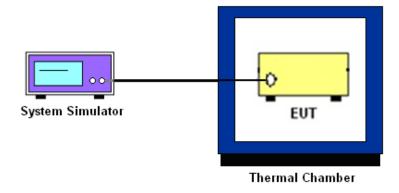
- 1. The EUT was set up in the thermal chamber and connected with the base station.
- 2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
- 3. With power OFF, the temperature 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.

3.6.4 Test Procedures for Voltage Variation

- 1. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
- 2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
- 3. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the
- 4. battery operating end point, which shall be specified by the manufacturer.
- 5. The variation in frequency was measured for the worst case.



3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Please refer to Appendix A.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Feb. 20, 2025	Apr. 08, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.0 077	0.4GHz~26.5G Hz	Dec. 24, 2024	Feb. 20, 2025	Dec. 23, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangrou P	LP-150U	H201408180 3	-40~+150°C	Jul. 03, 2024	Feb. 20, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY5515021 3	10Hz~44GHz	Jul. 03, 2024	Feb. 20, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Feb. 20, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Feb. 20, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Feb. 20, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2024	Feb. 20, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Feb. 20, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Feb. 20, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY5327010 5	0.5GHz~26.5Gh z	Oct. 14, 2024	Feb. 20, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	6160100030 43	N/A	Oct. 18, 2024	Feb. 20, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Feb. 20, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Feb. 20, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required



5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of	2.47dB
Confidence of 95% (U = 2Uc(y))	2.4700

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of	3.31dB
Confidence of 95% (U = 2Uc(y))	3.3100

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of	2 70dD
Confidence of 95% (U = 2Uc(y))	3.72dB

----- THE END ------



Appendix A. Test Results of Conducted Test

Tost Engineer :	Nina Chang	Temperature :	24~26° ℃
Test Engineer :	Nina Cheng	Relative Humidity :	50~53%

Conducted Output Power (Average power)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
	Cha	nnel		26790		
	Frequen	cy (MHz)			824	
15	QPSK	1	0		22.50	
15	QPSK	1	37		22.51	
15	QPSK	1	74		22.43	
15	QPSK	36	0		21.54	
15	QPSK	36	20		21.51	
15	QPSK	36	39		21.49	
15	QPSK	75	0		21.58	
15	16QAM	1	0		21.58	
15	16QAM	1	37		22.09	
15	16QAM	1	74		21.44	
15	16QAM	36	0		20.60	
15	16QAM	36	20		20.56	
15	16QAM	36	39		20.58	
15	16QAM	75	0		20.55	
15	64QAM	1	0		20.26	
15	64QAM	1	37		20.89	
15	64QAM	1	74		20.48	
15	64QAM	36	0		19.51	
15	64QAM	36	20		19.56	
15	64QAM	36	39		19.45	
15	64QAM	75	0		19.51	
	Cha	nnel			26740	
	Frequen	cy (MHz)			819	
10	QPSK	1	0		22.65	
10	QPSK	1	25		22.62	
10	QPSK	1	49		22.68	
10	QPSK	25	0		21.65	
10	QPSK	25	12		21.70	
10	QPSK	25	25		21.55	
10	QPSK	50	0		21.59	
10	16QAM	1	0		21.50	
10	16QAM	1	25		21.74	
10	16QAM	1	49		22.04	

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10	16QAM	25	0		20.55	
10	16QAM 16QAM	25	12		20.59	
10	16QAM 16QAM	25	25		20.76	
10	16QAM	50	0		20.61	
10	64QAM	1	0		20.84	
10	64QAM	1	25		20.65	
10	64QAM	1	49		20.97	
10	64QAM	25	0		19.63	
10	64QAM	25	12		19.74	
10	64QAM	25	25		19.61	
10	64QAM	50	0		19.46	
-	Cha	innel		26715	26740	26765
	Frequen	cy (MHz)		816.5	819	821.5
5	QPSK	1	0	22.52	22.55	22.40
5	QPSK	1	12	22.48	22.63	22.40
5	QPSK	1	24	22.35	22.55	22.47
5	QPSK	12	0	21.62	21.67	21.57
5	QPSK	12	7	21.61	21.62	21.34
5	QPSK	12	13	21.58	21.64	21.32
5	QPSK	25	0	21.67	21.65	21.45
5	16QAM	1	0	21.64	21.49	22.09
5	16QAM	1	12	22.03	21.64	21.64
5	16QAM	1	24	21.38	22.15	21.81
5	16QAM	12	0	20.61	20.56	20.56
5	16QAM	12	7	20.66	20.57	20.39
5	16QAM	12	13	20.56	20.71	20.33
5	16QAM	25	0	20.54	20.76	20.44
5	64QAM	1	0	20.36	20.83	20.41
5	64QAM	1	12 24	20.88 20.56	20.62	20.72 20.59
5	64QAM 64QAM	1 12	0	19.59	20.83 19.63	19.49
5	64QAM 64QAM	12	7	19.60	19.62	19.49
5	64QAM	12	13	19.43	19.57	19.52
5	64QAM	25	0	19.48	19.57	19.44
		Innel	Ŭ	26705	26740	26775
		cy (MHz)		815.5	819	822.5
3	QPSK	1	0	22.55	22.71	22.30
3	QPSK	1	8	22.42	22.70	22.49
3	QPSK	1	14	22.37	22.69	22.47
3	QPSK	8	0	21.52	21.74	21.52
3	QPSK	8	4	21.56	21.72	21.32
3	QPSK	8	7	21.49	21.72	21.34
3	QPSK	15	0	21.60	21.69	21.35
3	16QAM	1	0	21.60	21.46	22.09
3	16QAM	1	8	22.07	21.76	21.61
3	16QAM	1	14	21.45	22.13	21.72
3	16QAM	8	0	20.67	20.64	20.39

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3 160AM 8 4 20.53 20.45 20.38 3 160AM 8 7 20.67 20.61 20.36 3 160AM 15 0 20.45 20.61 20.36 3 64QAM 1 0 20.35 20.92 20.54 3 64QAM 1 14 20.46 20.90 20.53 3 64QAM 1 14 20.46 20.90 20.53 3 64QAM 8 0 19.49 19.59 19.49 3 64QAM 8 0 19.64 19.54 19.39 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.55 19.56 1 5 26.47 26.73 26.73 26.73 22.18 1.4 0PSK 1 5 22.86 22.47 22.246 <							
3 160AM 15 0 20.45 20.61 20.36 3 640AM 1 0 20.35 20.92 20.54 3 640AM 1 8 20.82 20.58 20.70 3 640AM 1 14 20.46 20.90 20.53 3 640AM 8 0 19.49 19.59 19.49 3 640AM 8 4 19.64 19.54 19.39 3 640AM 8 7 19.51 19.66 19.43 3 640AM 8 7 19.51 19.56 19.55 Channel 26697 26740 26783 22.18 14.17 819 823.3 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 3 3 22.65 22.42 22.36 <th>3</th> <th>16QAM</th> <th>8</th> <th>4</th> <th>20.53</th> <th>20.45</th> <th>20.38</th>	3	16QAM	8	4	20.53	20.45	20.38
3 64QAM 1 0 20.35 20.92 20.54 3 64QAM 1 8 20.82 20.58 20.70 3 64QAM 1 14 20.46 20.90 20.53 3 64QAM 8 0 19.49 19.59 19.49 3 64QAM 8 4 19.64 19.59 19.49 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.55 19.55 Channel 26697 26740 26783 22.18 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 3 1 22.65 22.42 22.36 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK	3	16QAM	8	7	20.67	20.61	20.35
3 64QAM 1 8 20.82 20.58 20.70 3 64QAM 1 14 20.46 20.90 20.53 3 64QAM 8 0 19.49 19.59 19.49 3 64QAM 8 4 19.64 19.54 19.39 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 8 7 19.56 19.55 19.55 Channel 26697 26740 26783 22.18 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 3 22.65 22.47 22.28 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK	3	16QAM	15	0	20.45	20.61	20.36
3 64QAM 1 14 20.46 20.90 20.53 3 64QAM 8 0 19.49 19.59 19.49 3 64QAM 8 7 19.51 19.64 19.39 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.55 19.55 Channel 26697 26740 26783 Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 <td< th=""><th>3</th><th>64QAM</th><th>1</th><th>0</th><th>20.35</th><th>20.92</th><th>20.54</th></td<>	3	64QAM	1	0	20.35	20.92	20.54
3 64QAM 8 0 19.49 19.59 19.49 3 64QAM 8 4 19.64 19.54 19.39 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.56 19.55 Charnel 26697 26740 26783 Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 3 22.65 22.47 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.35 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 <td< th=""><th>3</th><th>64QAM</th><th>1</th><th>8</th><th>20.82</th><th>20.58</th><th>20.70</th></td<>	3	64QAM	1	8	20.82	20.58	20.70
3 64QAM 8 4 19.64 19.54 19.39 3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.56 19.55 Channel 26697 26740 26733 Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.36 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.65 22.47 22.45 1.4 QPSK 3 3 22.65 22.43 22.38 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 <td< th=""><th>3</th><th>64QAM</th><th>1</th><th>14</th><th>20.46</th><th>20.90</th><th>20.53</th></td<>	3	64QAM	1	14	20.46	20.90	20.53
3 64QAM 8 7 19.51 19.66 19.43 3 64QAM 15 0 19.56 19.56 19.55 Channel 26697 26740 26783 Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 1 22.67 22.51 22.23 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 6 0 21.65 21.52 21.30 1.4 16QAM 1 0 21.65 <	3	64QAM	8	0	19.49	19.59	19.49
3 64QAM 15 0 19.56 19.56 19.55 Charnel 26697 26740 26783 I QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 1 22.67 22.51 22.28 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 6 0 21.65 21.52 21.30 1.4 QPSK 6 0 21.65 22.43 22.33 1.4 16QAM 1 0 21.57 21.54 21.30 1.4 16QAM	3	64QAM	8	4	19.64	19.54	19.39
Channel 26697 26740 26783 Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 1 22.67 22.51 22.28 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 21.52 21.30 1.4 QPSK 6 0 21.65 21.52 21.30 1.4 I60AM 1 0 21.65 21.52 21.30 1.4 I60AM 1 5 21.92 20.03 21.64 1.4 I60AM 3 0 21.85	3	64QAM	8	7	19.51	19.66	19.43
Frequency (MHz) 814.7 819 823.3 1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 1 22.67 22.51 22.28 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 6 0 21.65 21.52 21.30 1.4 I6QAM 1 0 21.56 22.09 21.54 1.4 16QAM 1 5 21.92 22.03 21.64 1.4 16QAM 3 0 21.65 21.54 21.39 1.4 16QAM <t< th=""><th>3</th><th>64QAM</th><th>15</th><th>0</th><th>19.56</th><th>19.56</th><th>19.55</th></t<>	3	64QAM	15	0	19.56	19.56	19.55
1.4 QPSK 1 0 22.49 22.53 22.18 1.4 QPSK 1 3 22.65 22.47 22.45 1.4 QPSK 1 5 22.68 22.42 22.36 1.4 QPSK 3 0 22.60 22.55 22.46 1.4 QPSK 3 1 22.67 22.51 22.28 1.4 QPSK 3 3 22.65 22.43 22.33 1.4 QPSK 6 0 21.65 21.52 21.30 1.4 QPSK 6 0 21.65 22.09 21.54 1.4 16QAM 1 0 21.56 22.09 21.54 1.4 16QAM 1 5 21.92 22.03 21.64 1.4 16QAM 3 0 21.68 21.57 21.41 1.4 16QAM 3 1 21.65 21.54 21.39		Cha	innel		26697	26740	26783
1.4QPSK1322.6522.4722.451.4QPSK1522.6822.4222.361.4QPSK3022.6022.5522.461.4QPSK3122.6722.5122.281.4QPSK3322.6522.4322.331.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3320.7020.4920.491.416QAM1020.7920.7520.351.46QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42		Frequen	cy (MHz)		814.7	819	823.3
1.4QPSK1522.6822.4222.361.4QPSK3022.6022.5522.461.4QPSK3122.6722.5122.281.4QPSK3322.6522.4322.331.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3121.6521.5421.391.416QAM3320.7020.4920.491.416QAM1020.7920.7520.351.416QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3120.8620.7320.521.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	1	0	22.49	22.53	22.18
1.4QPSK3022.6022.5522.461.4QPSK3122.6722.5122.281.4QPSK3322.6522.4322.331.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3121.6521.5421.391.416QAM3320.7020.4920.491.416QAM1020.7920.7520.351.416QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	1	3	22.65	22.47	22.45
1.4QPSK3122.6722.5122.281.4QPSK3322.6522.4322.331.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM1521.6221.3921.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.416QAM1020.7920.7520.351.464QAM1520.6820.2420.621.464QAM1520.6820.8420.661.464QAM3120.8620.7320.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	1	5	22.68	22.42	22.36
1.4QPSK3322.6522.4322.331.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.416QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	3	0	22.60	22.55	22.46
1.4QPSK6021.6521.5221.301.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.416QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	3	1	22.67	22.51	22.28
1.416QAM1021.5622.0921.541.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.464QAM1020.7920.7520.351.464QAM1520.6820.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.7320.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	3	3	22.65	22.43	22.33
1.416QAM1321.8721.7421.251.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.416QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	QPSK	6	0	21.65	21.52	21.30
1.416QAM1521.9222.0321.641.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.416QAM6020.7920.7520.351.464QAM1020.7920.7520.351.464QAM1520.6820.2420.621.464QAM3020.6620.6920.501.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	1	0	21.56	22.09	21.54
1.416QAM3021.6821.5721.411.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.464QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM320.6620.7320.521.464QAM320.8620.7320.521.464QAM320.8620.7320.521.464QAM320.6920.7020.42	1.4	16QAM	1	3	21.87	21.74	21.25
1.416QAM3121.6521.5421.391.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.464QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM320.6620.7320.521.464QAM320.6620.7320.521.464QAM320.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	1	5	21.92	22.03	21.64
1.416QAM3321.7221.4521.381.416QAM6020.7020.4920.491.464QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	3	0	21.68	21.57	21.41
1.416QAM6020.7020.4920.491.464QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	3	1	21.65	21.54	21.39
1.464QAM1020.7920.7520.351.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	3	3	21.72	21.45	21.38
1.464QAM1320.6620.2420.621.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	16QAM	6	0	20.70	20.49	20.49
1.464QAM1520.6820.8420.661.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	64QAM	1	0	20.79	20.75	20.35
1.464QAM3020.6620.6920.501.464QAM3120.8620.7320.521.464QAM3320.6920.7020.42	1.4	64QAM	1	3	20.66	20.24	20.62
1.4 64QAM 3 1 20.86 20.73 20.52 1.4 64QAM 3 3 20.69 20.70 20.42	1.4	64QAM	1	5	20.68	20.84	20.66
1.4 64QAM 3 3 20.69 20.70 20.42	1.4	64QAM	3	0	20.66	20.69	20.50
	1.4	64QAM	3	1	20.86	20.73	20.52
1.4 64QAM 6 0 19.63 19.61 19.33	1.4	64QAM	3	3	20.69	20.70	20.42
	1.4	64QAM	6	0	19.63	19.61	19.33

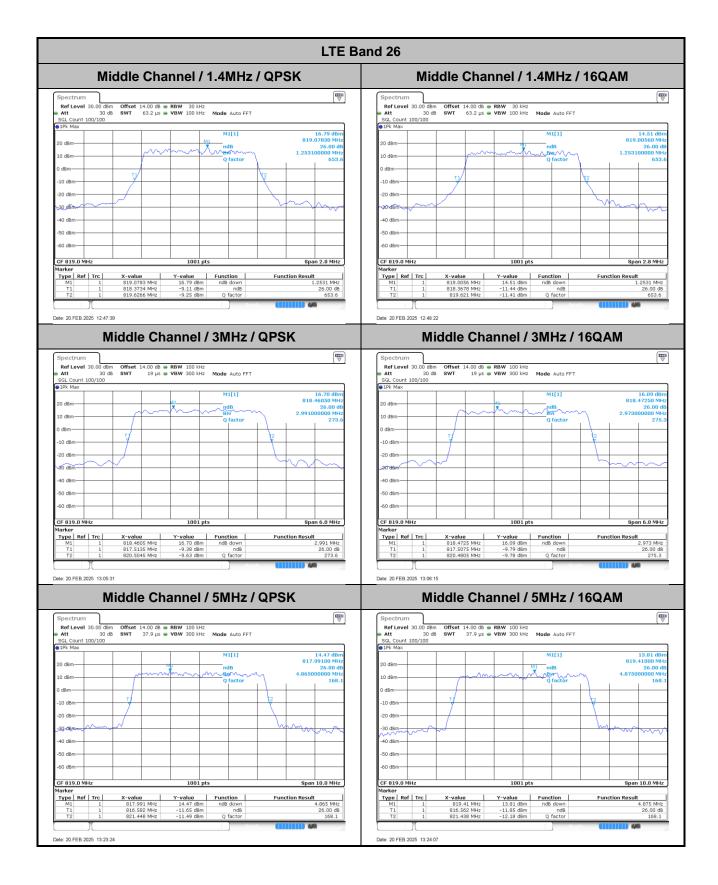


LTE Band 26_Part 90S

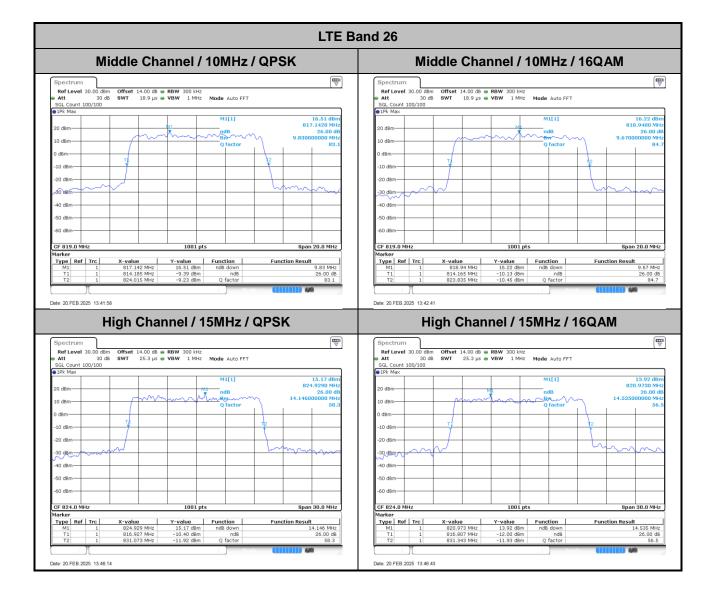
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.25	2.99	2.97	4.87	4.88	9.83	9.67	-	-	-	-
High CH	-	-	-	-	-	-	-	-	14.15	14.54	-	-









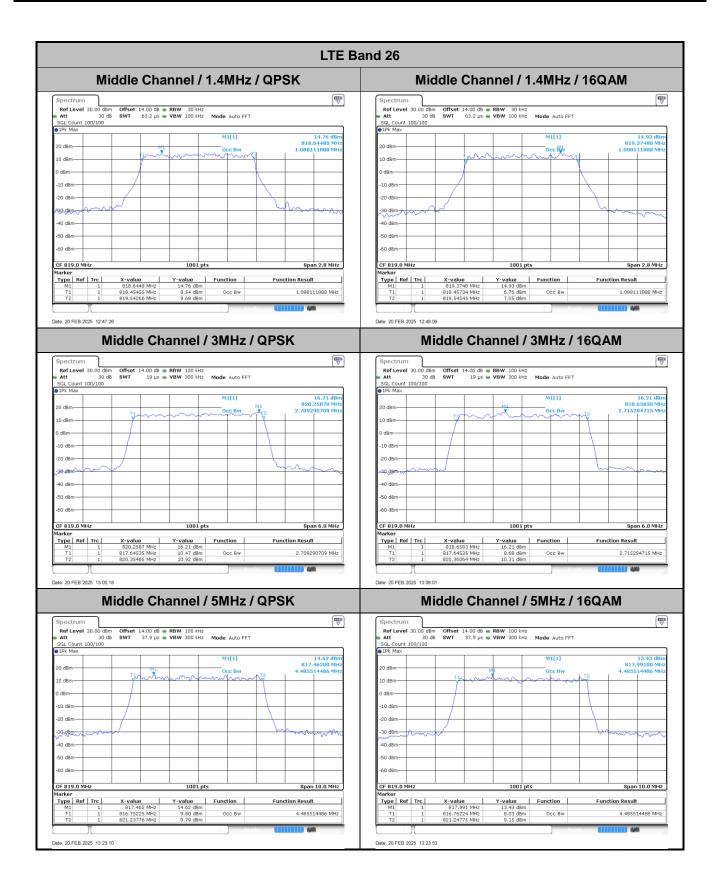


Occupied Bandwidth

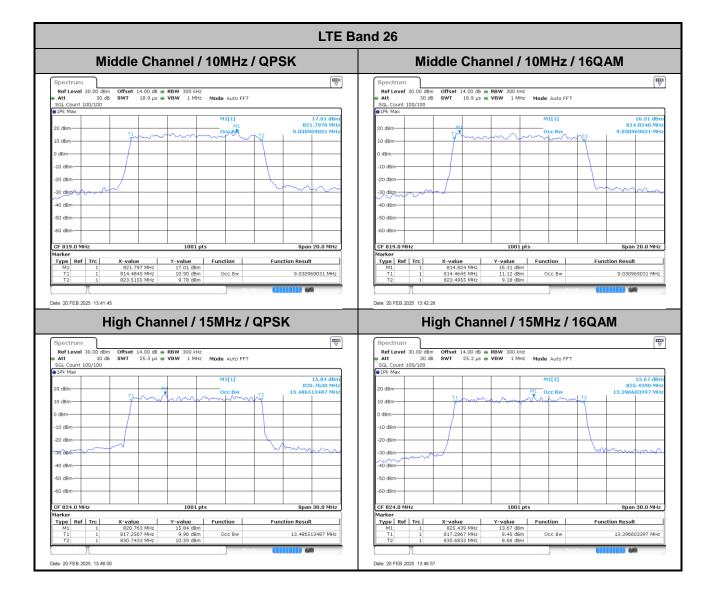
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.72	4.49	4.49	9.03	9.03	-	-	-	-
High CH	-	-	-	-	-	-	I	-	13.49	13.40	-	-





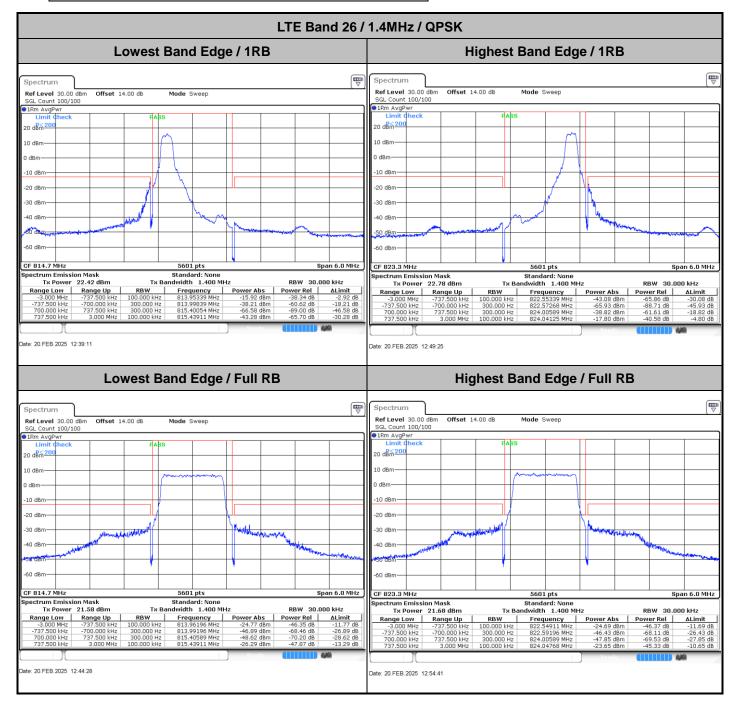






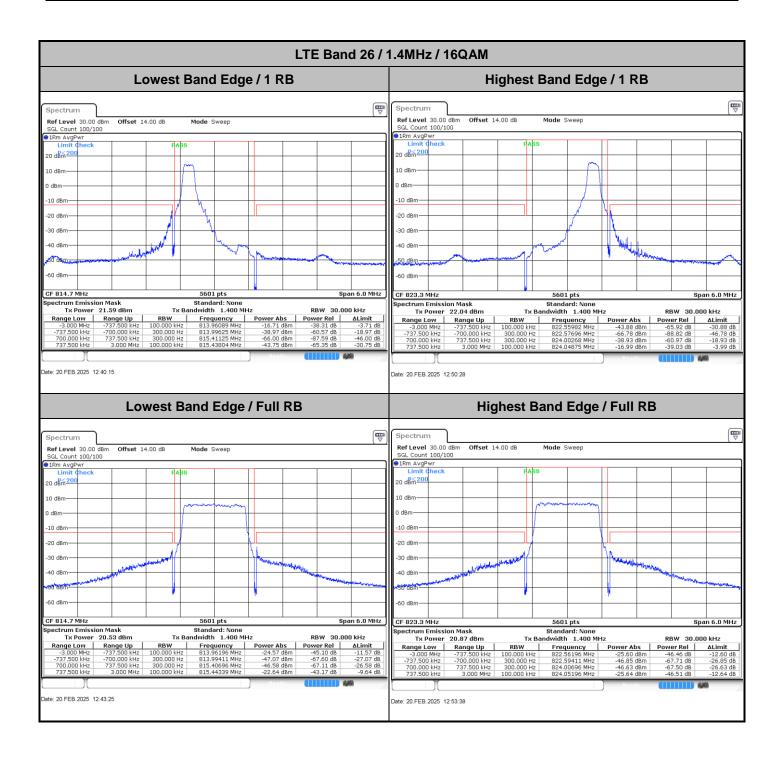


Emission masks – In-band emissions



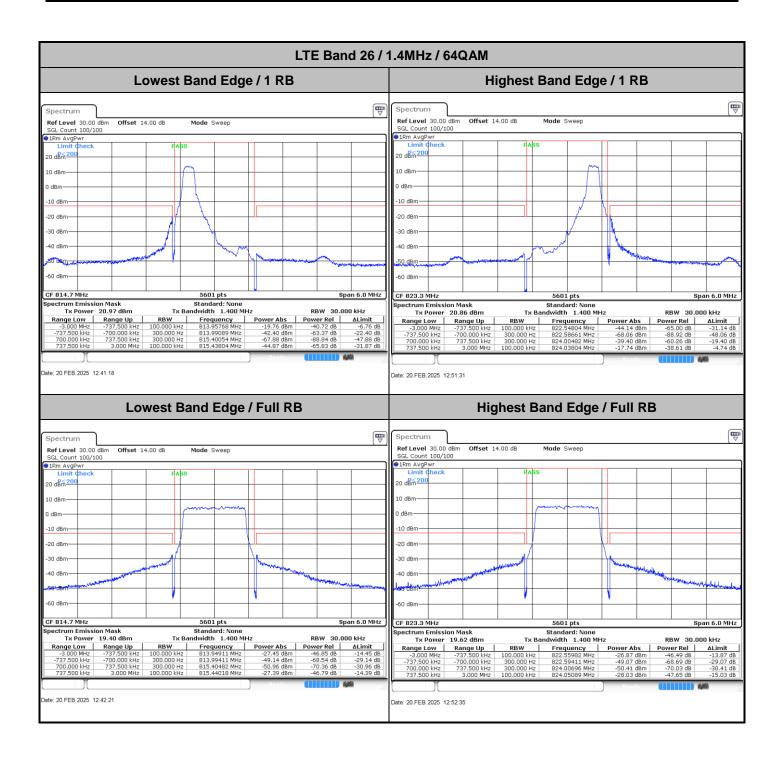




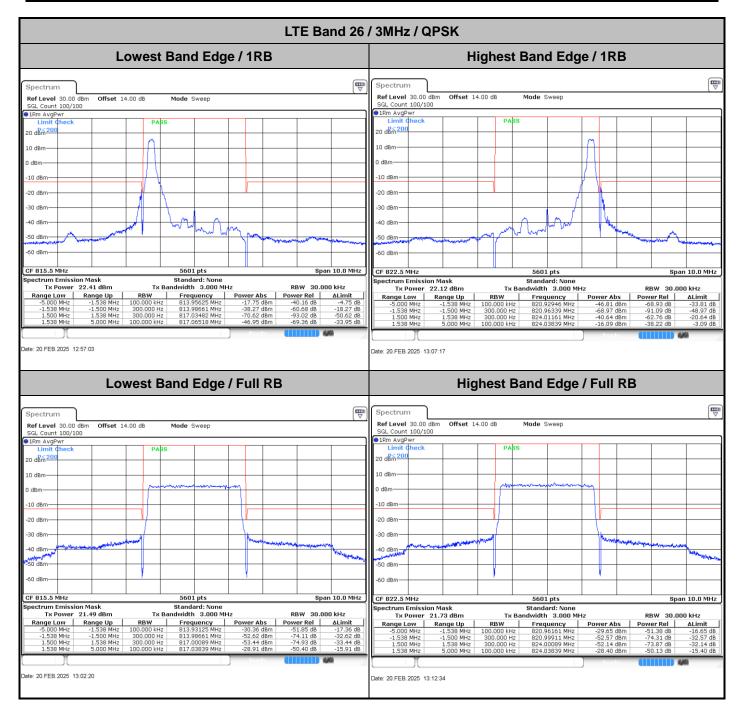






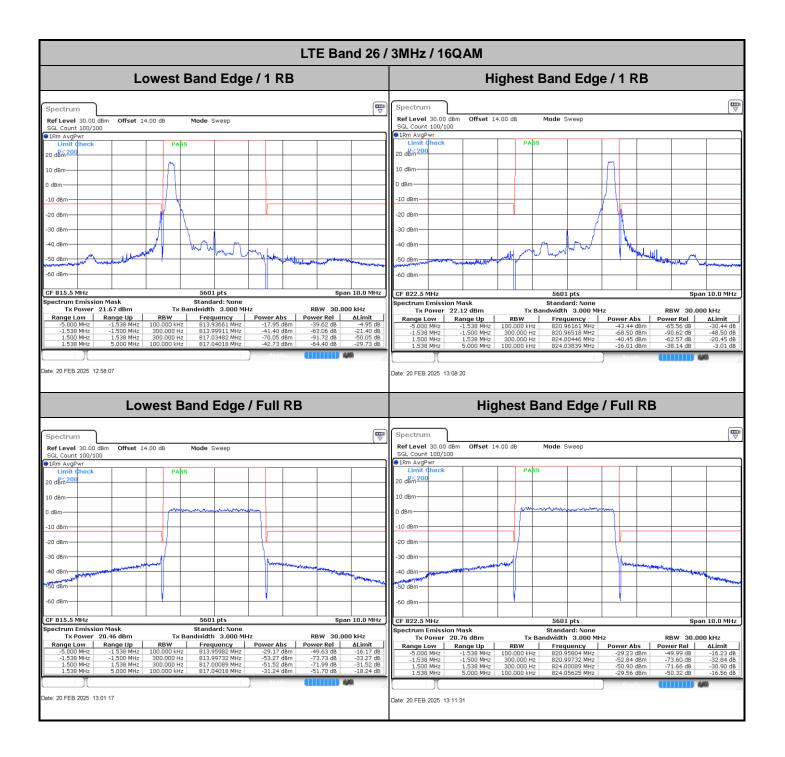






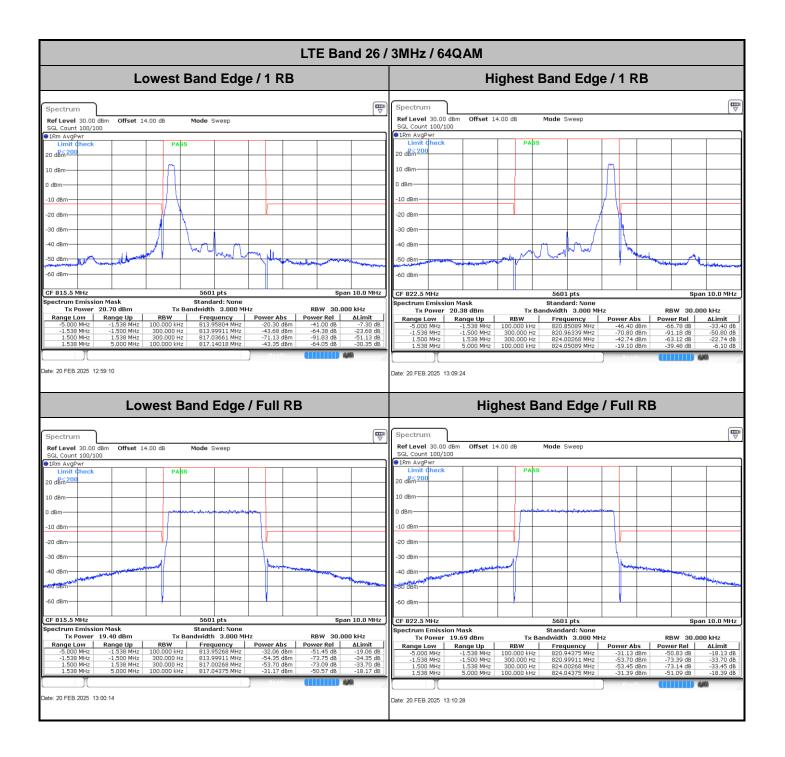




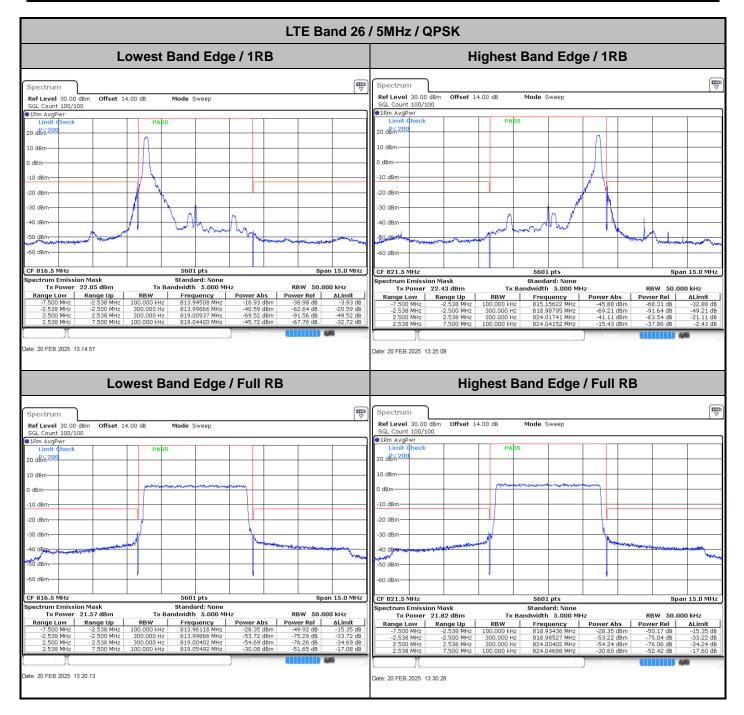






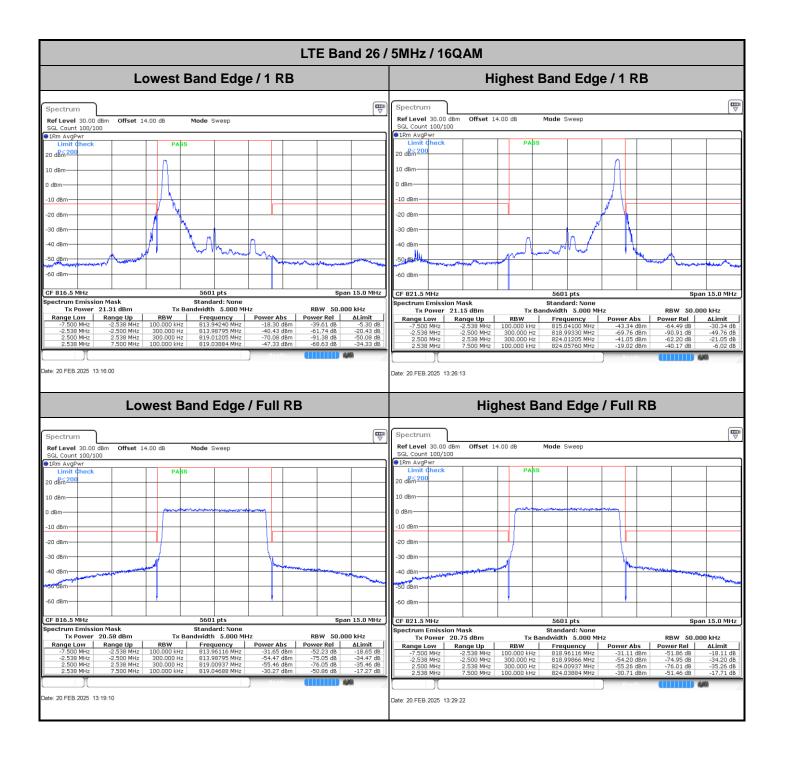






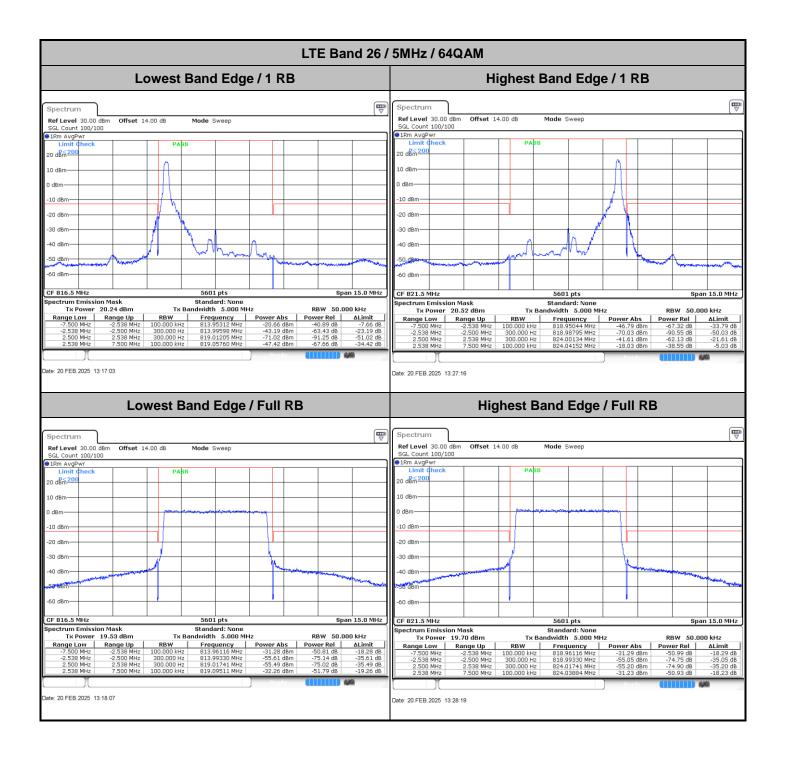




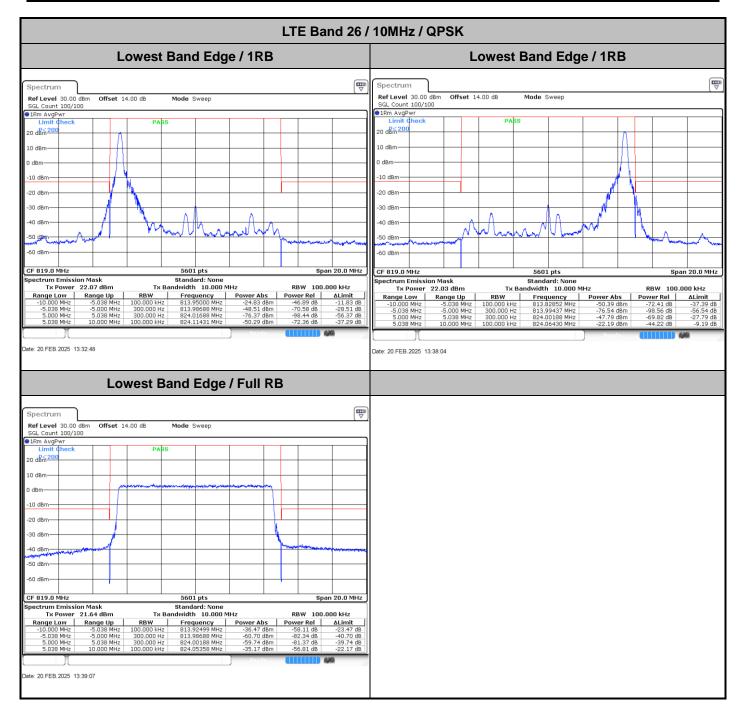






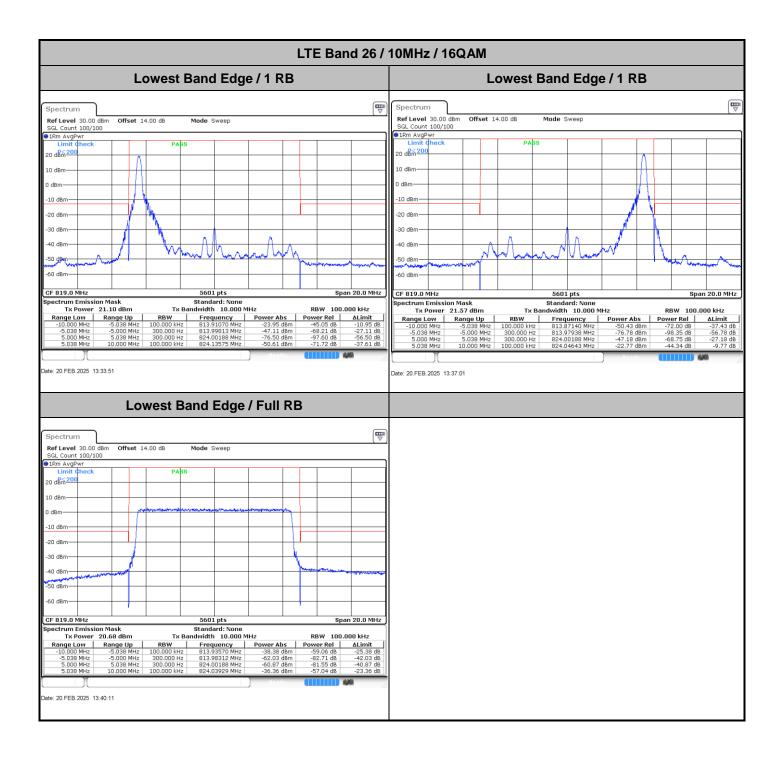






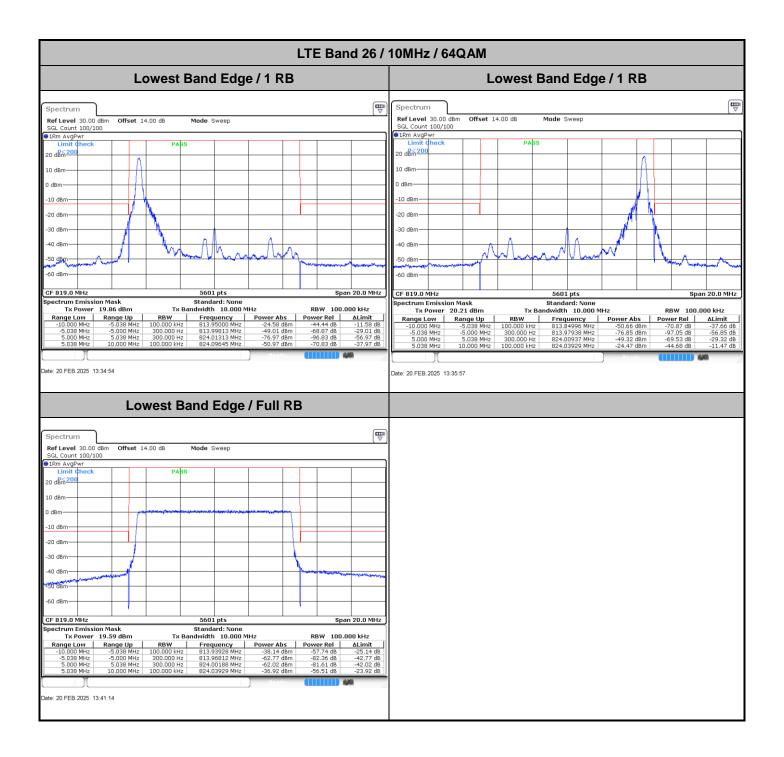




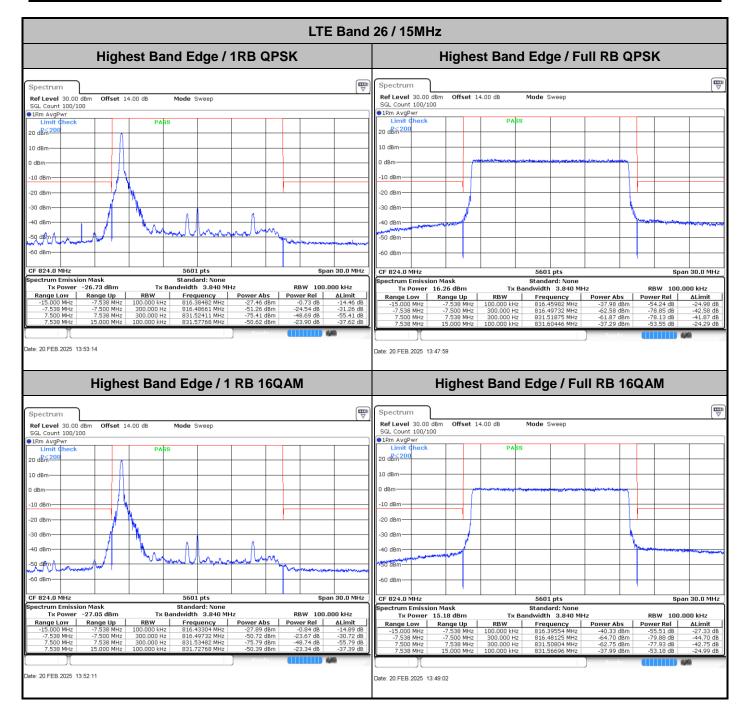






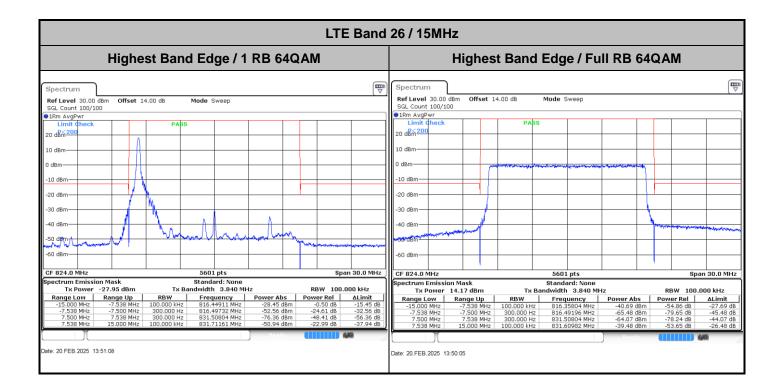






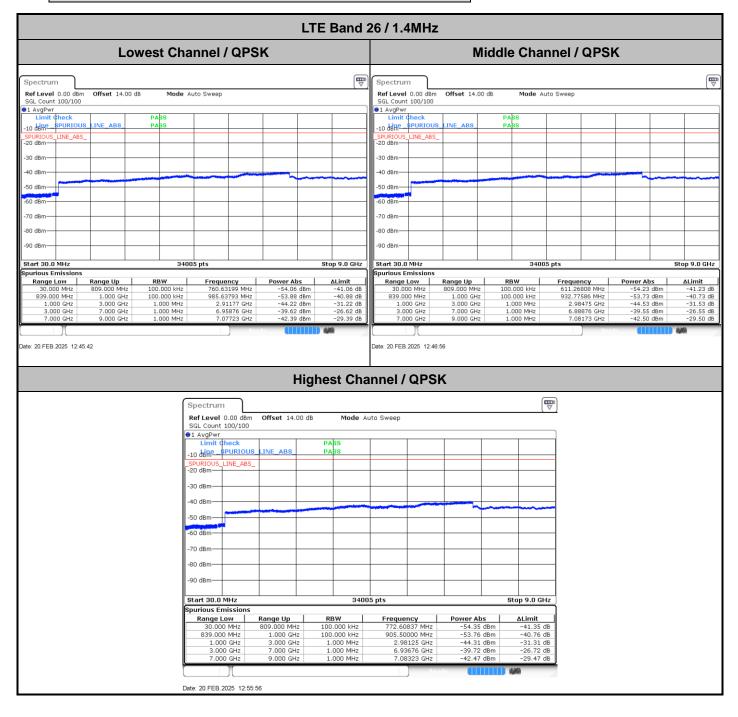






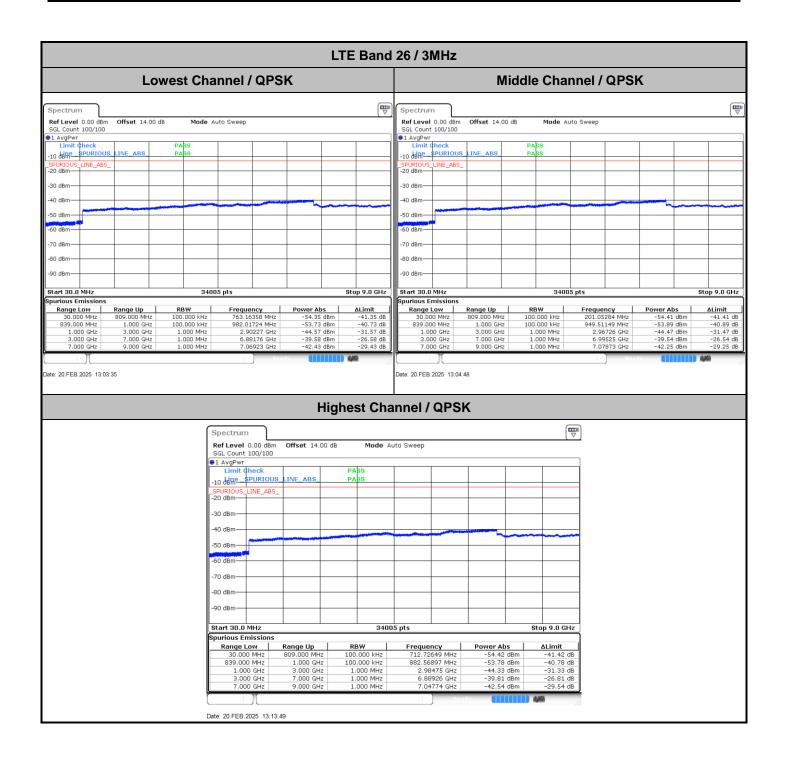


Emission masks – Out of band emissions



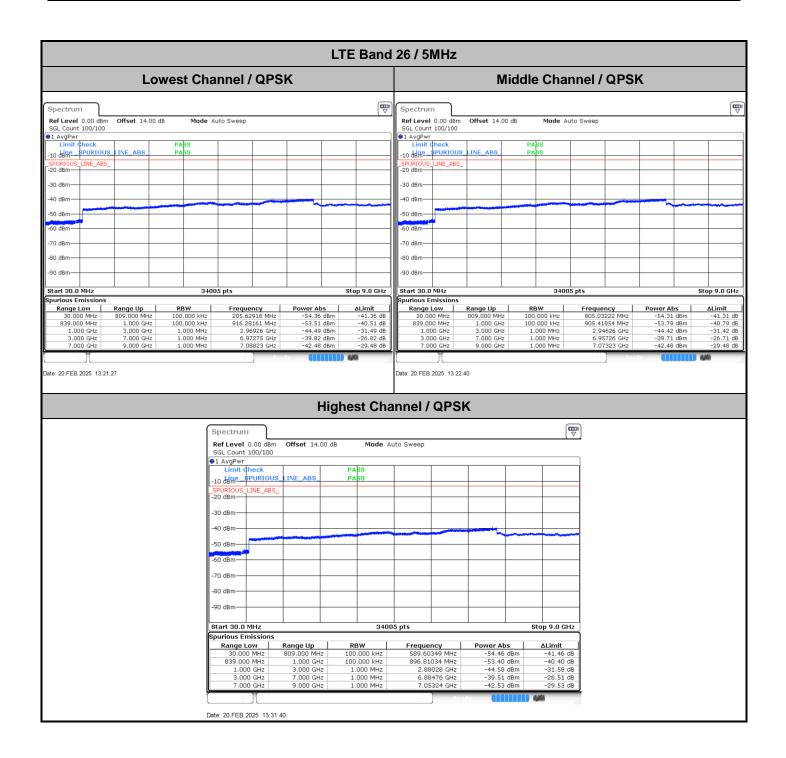






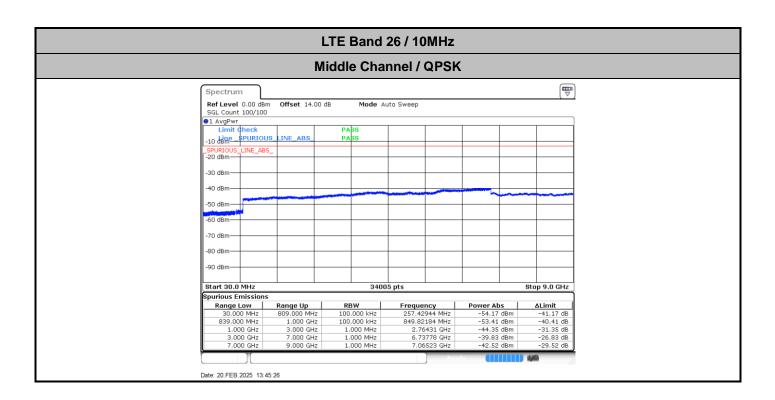




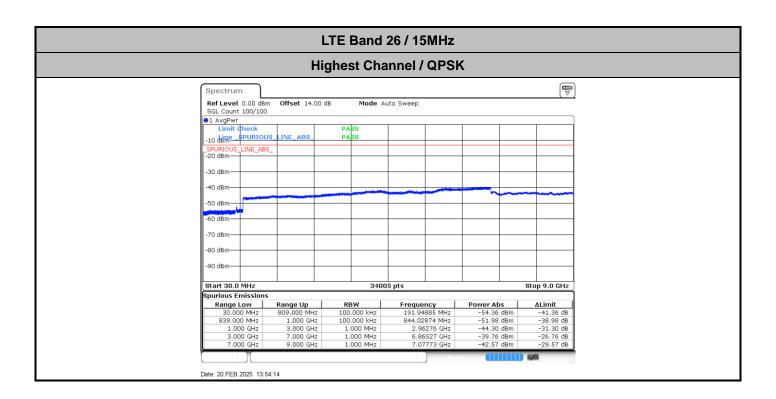














Frequency Stability

Test C	onditions	LTE Band 26 (QPSK) / Middle Channel	Limit
Tomporatura (°C)	Voltage	BW 10MHz	≤2.5ppm
Temperature (°C)	(Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0004	
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0089	PASS
-10	Normal Voltage	0.0006	PASS
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0090	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

- 1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.45 V.; Maximum Voltage = 4.5 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :		L	Kuang Jia			Temperature :			22~25 ℃		
						Relative Humidity :		4	48~52%		
LTE Band 26 / 10MHz / QPSK / Ant. 0											
Channel	Frequency (MHz)	ERI (dBr	-	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cab loss (dB)		Polarization (H/V)	
Middle	1629	-64.0	07	-13	-51.07	-73.95	-67.32	4.00	9.40	Н	
	2443.5	-63.0	09	-13	-50.09	-77.63	-66.66	4.88	10.60	Н	
	3258	-61.2	25	-13	-48.25	-78.09	-66.18	5.52	12.60	Н	
	1629	-64.6	62	-13	-51.62	-74.40	-67.87	4.00	9.40	V	
	2443.5	-62.4	45	-13	-49.45	-76.97	-66.02	4.88	10.60	V	
	3258	-61.9	90	-13	-48.90	-78.60	-66.83	5.52	12.60	V	

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK / Ant. 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1634.5	-62.15	-13	-49.15	-72.04	-65.32	4.10	9.42	Н
	2451.75	-62.36	-13	-49.36	-76.91	-65.94	4.90	10.63	Н
	3269	-61.82	-13	-48.82	-78.66	-66.74	5.55	12.62	Н
	1634.5	-62.95	-13	-49.95	-72.74	-66.12	4.10	9.42	V
	2451.75	-62.05	-13	-49.05	-76.58	-65.63	4.90	10.63	V
	3269	-61.74	-13	-48.74	-78.44	-66.66	5.55	12.62	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.