FCC RF Test Report

APPLICANT	:	Relay, Inc.
EQUIPMENT	:	Relay
BRAND NAME	:	RelayM
MODEL NAME	:	RY2267
FCC ID	:	2AMBHRY2267
STANDARD	:	47 CFR Part 90(R)
CLASSIFICATION	:	PCS Licensed Transmitter held to face (PCF)
TEST DATE(S)	:	Sep. 11, 2024 ~ Feb. 09, 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.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen)

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.

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.02

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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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG250505J	Rev. 01	Initial issue of report	Feb. 24, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.2	§2.1046	Conducted Output Power	—	Reporting only	-
	§90.542 (a)(7)	Effective Radiated Power	ERP < 3Watt	PASS	-
3.3	-	Peak-to-Average Ratio	—	Reporting only	-
3.4	§2.1049	Occupied Bandwidth	—	Reporting only	-
3.5	§2.1053 §90.543 (e)(2)(3)	Conducted Band Edge Measurement	Refer standard	PASS	-
3.6	§2.1051 §90.210(n)	Emission Mask	Mask B	PASS	-
3.7	§2.1053 §90.543 (e)(3)	Conducted Spurious Emission	< $43+10\log_{10}$(P[Watts])	PASS	-
3.8	§2.1055 §90.539 (e)	Frequency Stability Temperature & Voltage	< ±1.25 ppm	PASS	-
4.4	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 22.60 dB at 1581.40 MHz

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of 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

Relay, Inc.
2230 Bandmate Way, Suite 500, Raleigh, NC 27607, USA

1.2 Manufacturer

Relay, Inc.
2230 Bandmate Way, Suite 500, Raleigh, NC 27607, USA

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Relay
Brand Name	RelayM
Model Name	RY2267
FCC ID	2AMBHRY2267
Tx Frequency	5G NR n14 : 788 MHz ~ 798 MHz
Rx Frequency	5G NR n14 : 758 MHz ~ 768 MHz
Bandwidth	5MHz / 10MHz
Antenna Gain	<Ant.1> : -11.6 dBi
Type of Modulation	DFT-s-OFDM (PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM) CP-OFDM (QPSK / 16QAM / 64QAM / 256QAM)
IMEI Code	Conducted : 004400152020000 Radiation : 990007540010789
HW Version	v01
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. 5G NR n14 only support SA mode.

1.4 Maximum ERP Power, and Emission Designator

5G NR n14		PI/2 BPSK/QPSK		16QAM/64QAM/256QAM	
BW (MHz)	**Frequency Range (MHz)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**
5	**790.5~795.5**	0.0114	4M47G7D	0.0086	4M48W7D
10	**793**	0.0110	9M28G7D	0.0086	9M28W7D

1.5 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 Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm 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, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
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 4.4 of this report.

1.6 Test Software

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

1.7 Applied Standards

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

- 47 CFR Part 90(R)
- ANSI C63.26
- KDB 971168 D01 Power Meas License Digital Systems v03r01
- KDB 412172 D01 Determining ERP and EIRP v01r01

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.

2 Test Configuration of Equipment Under Test

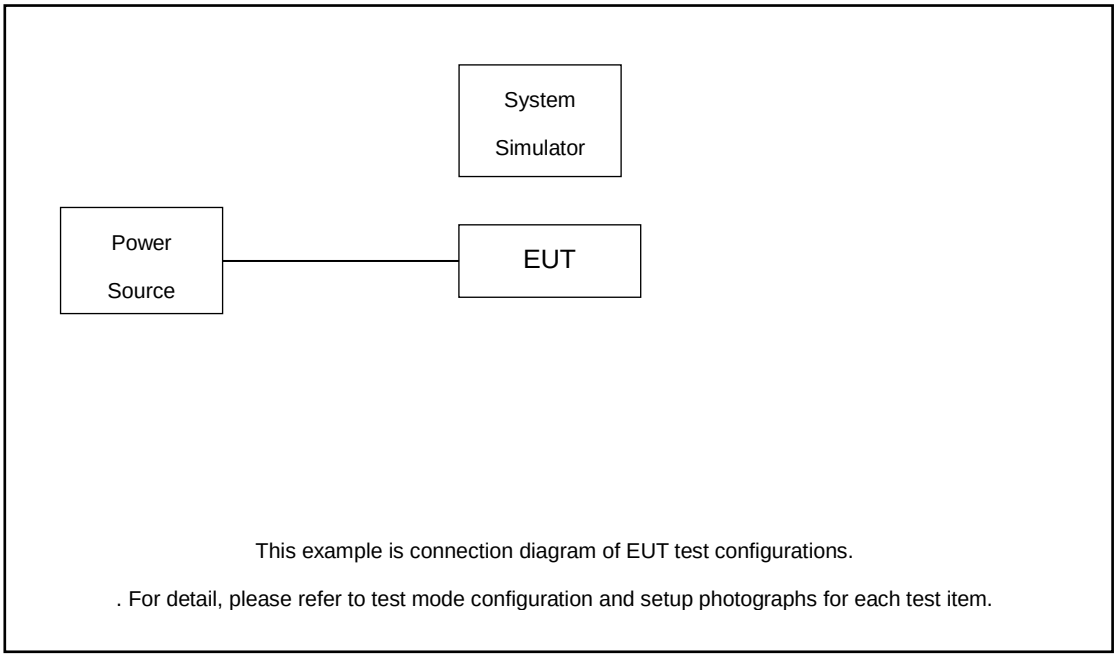
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Z Plane)

Conducted Test Cases	Band	Bandwidth (MHz)						Modulation					RB #			Test Channel		
		1.4	3	5	10	15	20	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	n14	-	-	V		-	-	V	V	V	V	V	V	V	V	V	V	V
	n14	-	-		V	-	-	V	V	V	V	V	V	V	V		V	
Peak-to-Average Ratio	n14	-	-		V	-	-	V	V				V		V		V	
26dB and 99% Bandwidth	n14	-	-	V	V	-	-		V	V	V	V			V		V	
Conducted Band Edge	n14	-	-	V		-	-	V	V				V		V	V		V
	n14	-	-		V	-	-	V	V				V		V		V	
Emission Mask	n14	-	-	V		-	-	V	V				V		V	V	V	V
	n14	-	-		V	-	-	V	V				V		V		V	
Conducted Spurious Emission	n14	-	-	V		-	-	V	V				V			V	V	V
	n14	-	-		V	-	-	V	V				V				V	
Frequency Stability	n14	-	-		V	-	-		V						V		V	
E.R.P	n14	-	-	V		-	-	V	V	V	V	V	V	V	V	V	V	V
	n14	-	-		V	-	-	V	V	V	V	V	V	V	V		V	
Radiated Spurious Emission	n14	Worst Case														V	V	V
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. **3.** The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. **4.** Frequency Stability：Normal Voltage = 3.85V ；Low Voltage =3.60V.；High Voltage =4.40V																	

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	DC Power Supply	GW INSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

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 EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.8 dB and 20dB attenuator.

Example :

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

= 4.8 + 20 = 24.8 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n14 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	-	158600	-
	Frequency	-	793	-
5	Channel	158100	158600	159100
	Frequency	790.5	793	795.5

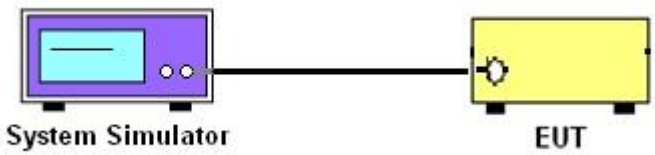
3 Conducted Test Items

3.1 Measuring Instruments

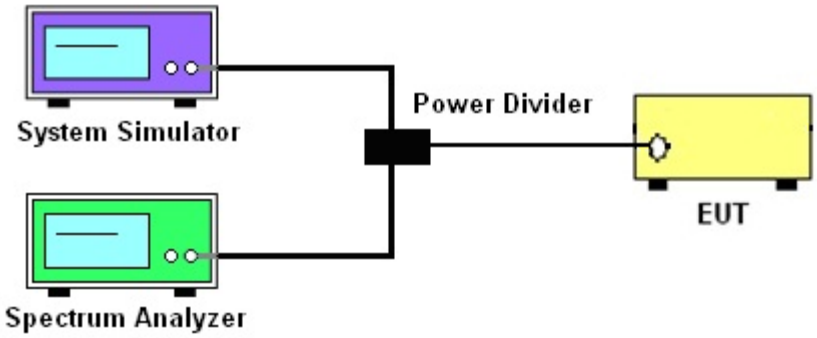
See list of measuring instruments of this test report.

3.1.1 Test Setup

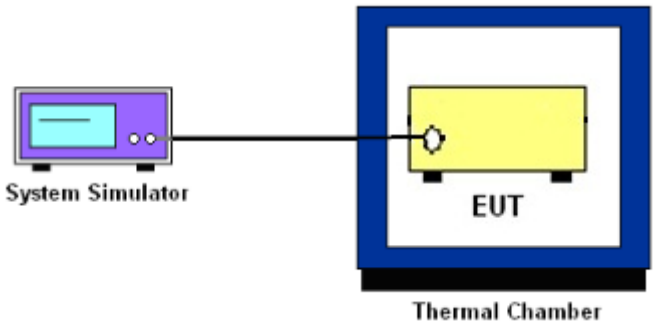
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge, Emission Mask, and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and ERP

3.2.1 Description of the Conducted Output Power Measurement and ERP

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 14.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

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

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

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
   (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.5 Conducted Band Edge Measurement

3.5.1 Description of Conducted Band Edge Measurement

For operations in the 758-768 MHz and the 788-798 MHz bands

(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.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set spectrum analyzer with RMS detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. Checked that all the results comply with the emission limit line.

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

3.6 Emission Mask

3.6.1 Description of Emission Mask

<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.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.

3.7 Conducted Spurious Emission Measurement

3.7.1 Description of Conducted Spurious Emission Measurement

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

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

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and base station via power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's, for under 1GHz RBW = 100kHz, VBW = 300kHz and for above 1GHz RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.

3.8 Frequency Stability Measurement

3.8.1 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 ±1.25 ppm of the center frequency.

3.8.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. 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.

3.8.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5.
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

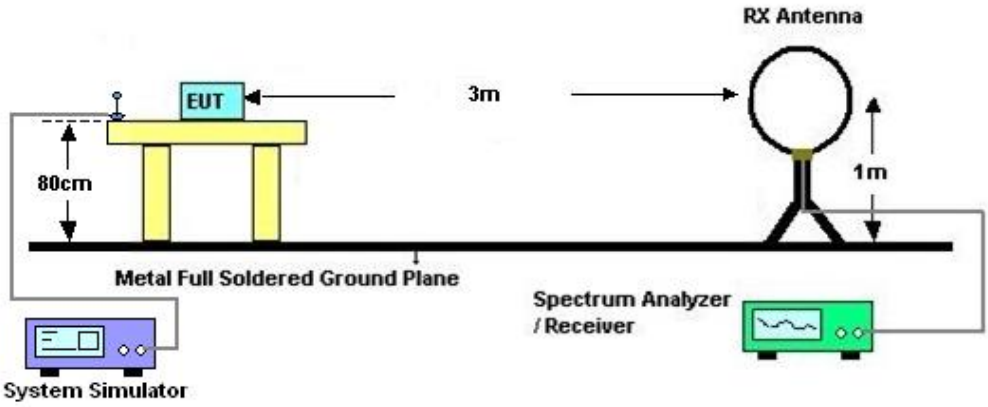
4 Radiated Test Items

4.1 Measuring Instruments

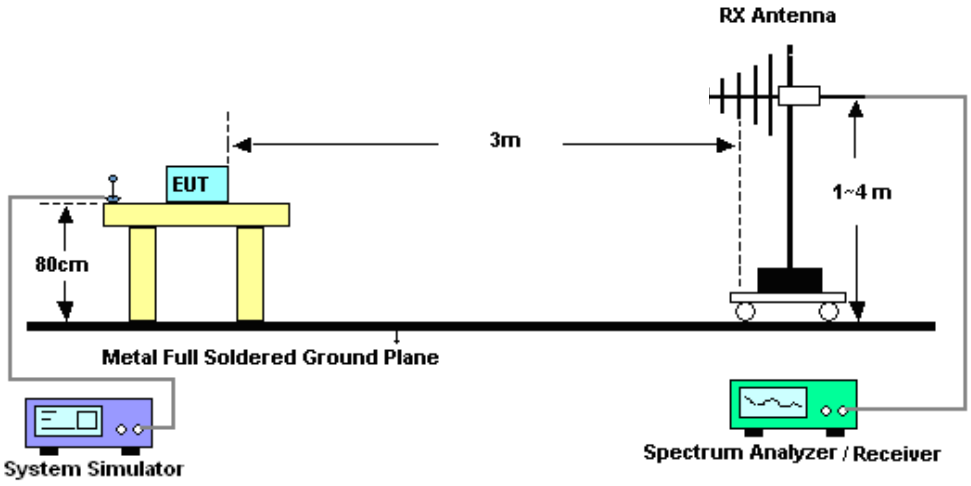
See list of measuring instruments of this test report.

4.2 Test Setup

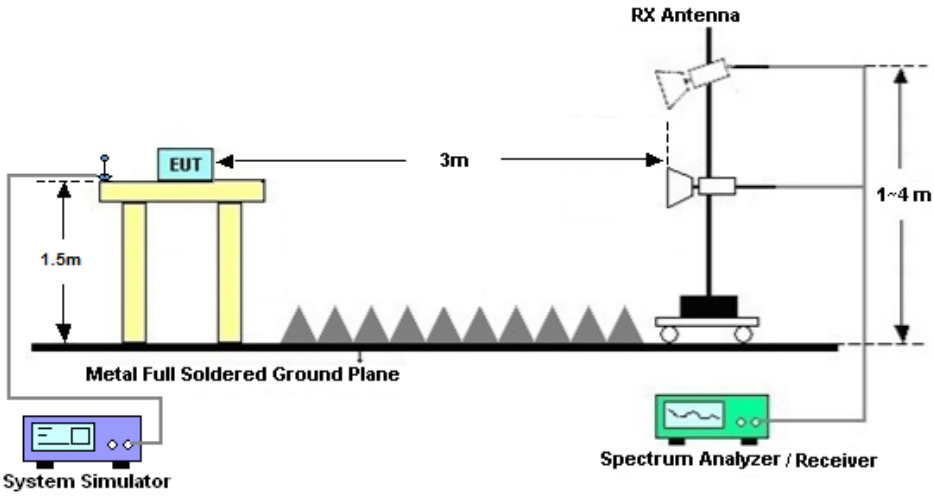
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

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

For 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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
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.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 11, 2023	Sep. 11, 2024~ Oct. 10, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Sep. 11, 2024~ Oct. 10, 2024	NCR	Conducted (TH01-KS)
Radio communication analyzer	Anritsu	MT8000A	6262148297	5GNR Sub6	Jul. 04, 2024	Sep. 11, 2024~ Oct. 10, 2024	Jul. 03, 2025	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Sep. 11, 2024~ Oct. 10, 2024	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Feb. 09, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Feb. 09, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Feb. 09, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Feb. 09, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2024	Feb. 09, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Feb. 09, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Feb. 09, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Feb. 09, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Feb. 09, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Feb. 09, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Feb. 09, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 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

Conducted Spurious Emission & Bandedge	**±2.22 dB**
Occupied Channel Bandwidth	**±0.1%**
Conducted Power	**±0.50dB**
Peak to Average Ratio	**±0.46 dB**
Frequency Stability	**±0.04ppm**

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

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

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

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

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

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

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

Software Version: 23.06.1602

FR1 N14

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-11.6dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
14	15	5	158100	790.5	DFT-s-OFDM PI/2 BPSK	1@1	24.30	10.55	0.0114
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@1	24.13	10.38	0.0109
14	15	5	158100	790.5	DFT-s-OFDM 16 QAM	1@1	23.09	9.34	0.0086
14	15	5	158600	793	DFT-s-OFDM PI/2 BPSK	1@1	24.11	10.36	0.0109
14	15	5	158600	793	DFT-s-OFDM QPSK	1@1	24.17	10.42	0.0110
14	15	5	158600	793	DFT-s-OFDM 16 QAM	1@1	23.06	9.31	0.0085
14	15	5	159100	795.5	DFT-s-OFDM PI/2 BPSK	1@1	24.20	10.45	0.0111
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@1	24.19	10.44	0.0111
14	15	5	159100	795.5	DFT-s-OFDM 16 QAM	1@1	23.12	9.37	0.0086
14	15	10	158600	793	DFT-s-OFDM PI/2 BPSK	25@12	21.30	7.55	0.0057
14	15	10	158600	793	DFT-s-OFDM PI/2 BPSK	1@1	24.16	10.41	0.0110
14	15	10	158600	793	DFT-s-OFDM PI/2 BPSK	1@50	23.91	10.16	0.0104
14	15	10	158600	793	DFT-s-OFDM QPSK	25@12	23.79	10.04	0.0101
14	15	10	158600	793	DFT-s-OFDM QPSK	1@1	23.98	10.23	0.0105
14	15	10	158600	793	DFT-s-OFDM QPSK	1@50	24.14	10.39	0.0109
14	15	10	158600	793	DFT-s-OFDM 16 QAM	25@12	22.94	9.19	0.0083
14	15	10	158600	793	DFT-s-OFDM 16 QAM	1@1	23.10	9.35	0.0086
14	15	10	158600	793	DFT-s-OFDM 16 QAM	1@50	22.90	9.15	0.0082
14	15	10	158600	793	DFT-s-OFDM 64 QAM	25@12	21.59	7.84	0.0061
14	15	10	158600	793	DFT-s-OFDM 64 QAM	1@1	21.77	8.02	0.0063
14	15	10	158600	793	DFT-s-OFDM 64 QAM	1@50	21.65	7.90	0.0062
14	15	10	158600	793	DFT-s-OFDM 256 QAM	25@12	20.20	6.45	0.0044
14	15	10	158600	793	DFT-s-OFDM 256 QAM	1@1	18.96	5.21	0.0033
14	15	10	158600	793	DFT-s-OFDM 256 QAM	1@50	18.93	5.18	0.0033
14	15	10	158600	793	CP-OFDM QPSK	26@13	22.18	8.43	0.0070
14	15	10	158600	793	CP-OFDM QPSK	1@1	22.63	8.88	0.0077
14	15	10	158600	793	CP-OFDM QPSK	1@50	22.43	8.68	0.0074

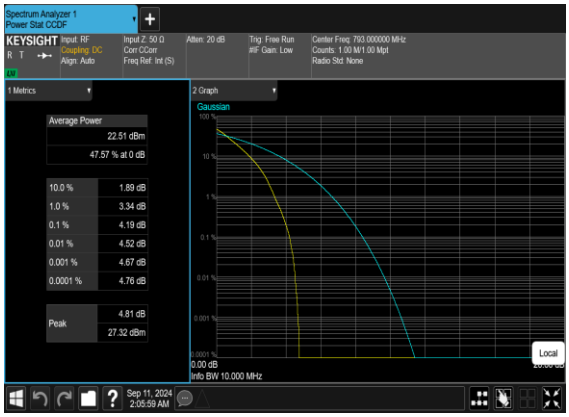
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0037	**PASS**	NV
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	-0.0015	**PASS**	LV
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0012	**PASS**	HV
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	-0.0025	**PASS**	-30℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0013	**PASS**	-20℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0058	**PASS**	-10℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0011	**PASS**	0℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	-0.0025	**PASS**	10℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	-0.0016	**PASS**	20℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0017	**PASS**	30℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	0.0022	**PASS**	40℃
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	-0.0013	**PASS**	50℃

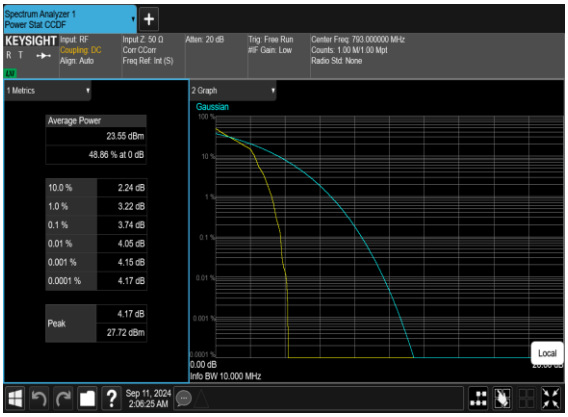
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	50@0	4.19	13	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM PI/2 BPSK	1@0	3.74	13	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	50@0	5.2	13	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@0	5.49	13	**PASS**

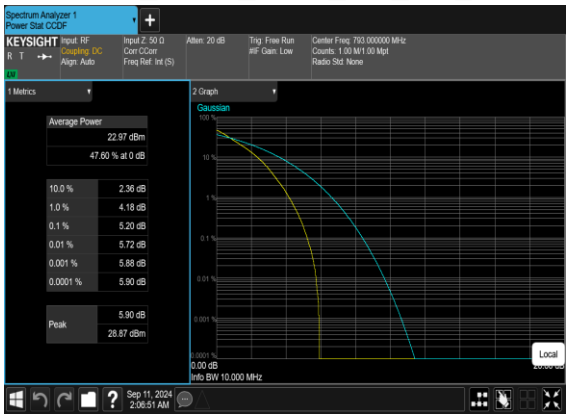
N14(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



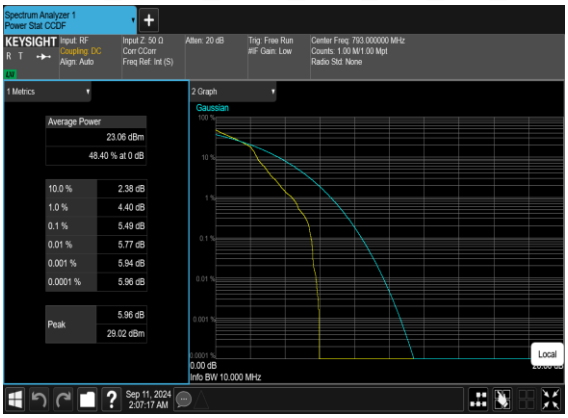
N14(10M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N14(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



Occupied Bandwidth

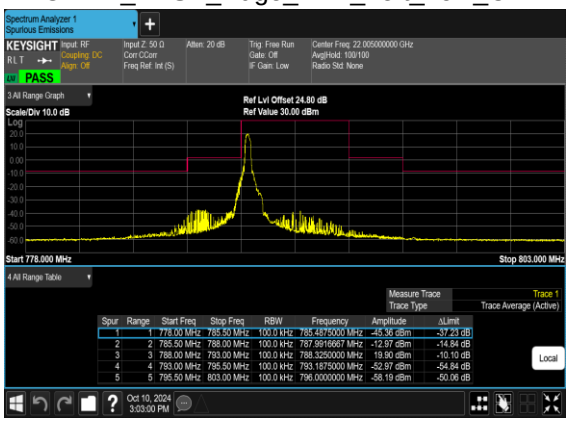
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
14	15	5	158600	793.0	CP-OFDM QPSK	25@0	4.4713	5.143
14	15	5	158600	793.0	CP-OFDM 16 QAM	25@0	4.4772	5.07
14	15	5	158600	793.0	CP-OFDM 64 QAM	25@0	4.4783	5.058
14	15	5	158600	793.0	CP-OFDM 256 QAM	25@0	4.4577	4.975
14	15	10	158600	793.0	CP-OFDM QPSK	52@0	9.2838	10.08
14	15	10	158600	793.0	CP-OFDM 16 QAM	52@0	9.2643	9.987
14	15	10	158600	793.0	CP-OFDM 64 QAM	52@0	9.268	9.918
14	15	10	158600	793.0	CP-OFDM 256 QAM	52@0	9.2824	10.08

Emission Mask

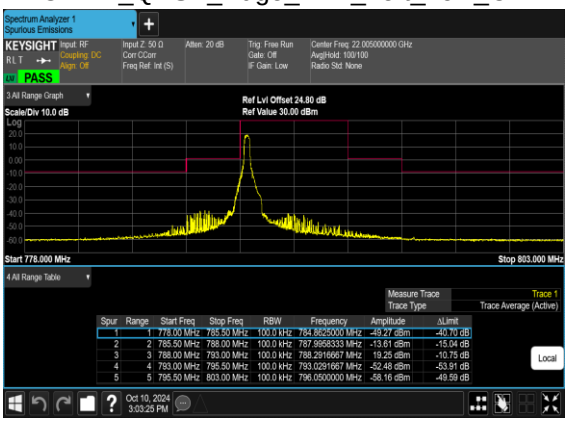
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Limit (dBm/MHz)	Verdict
14	15	5	158100	790.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM	1@51	see graph	**PASS**

					BPSK			
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**

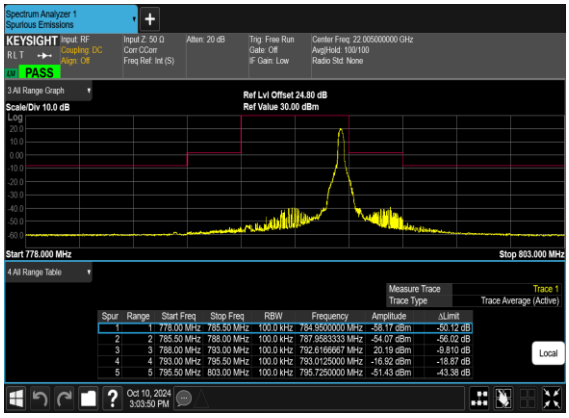
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



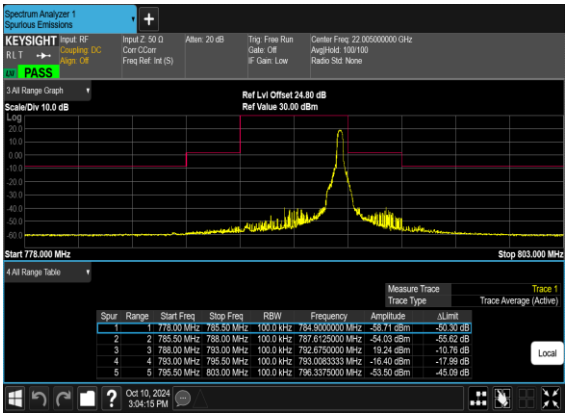
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



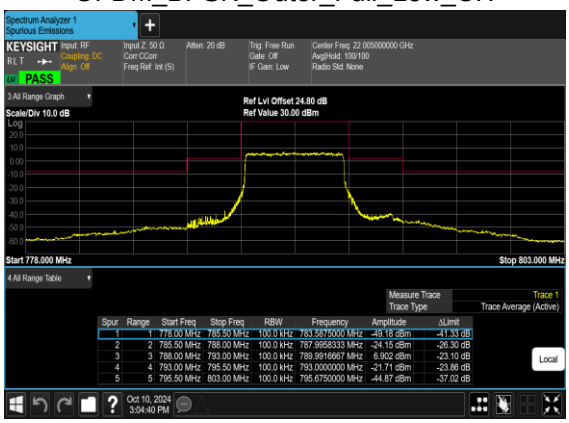
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



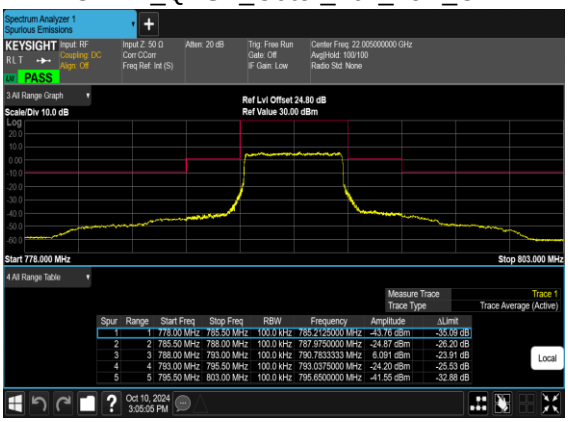
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



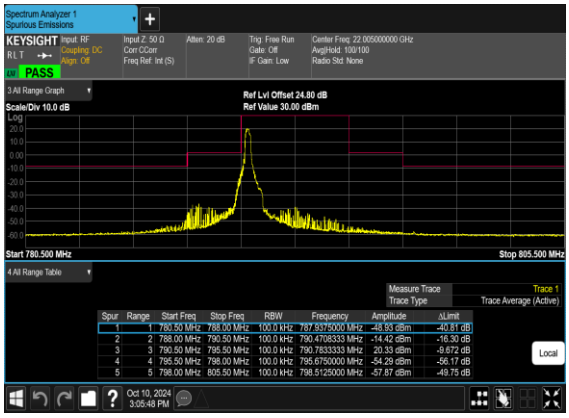
N14(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



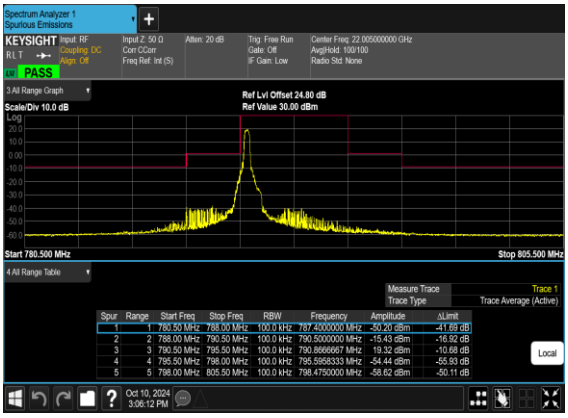
N14(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



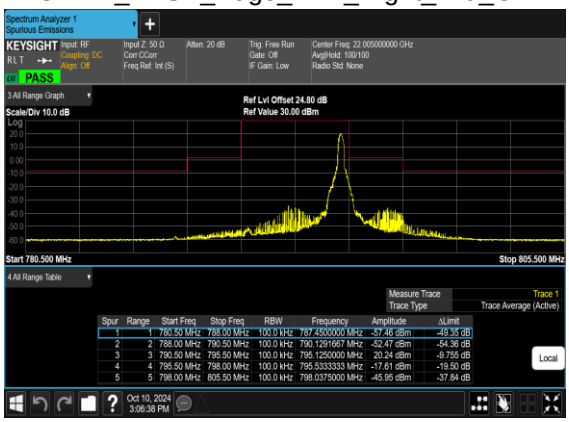
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



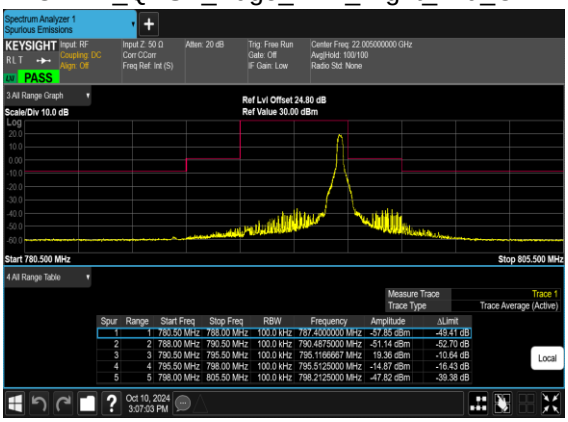
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



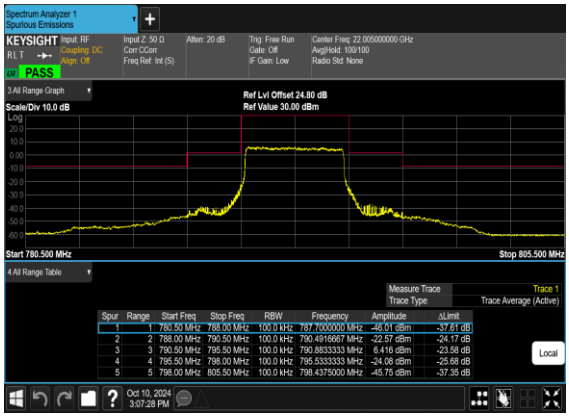
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



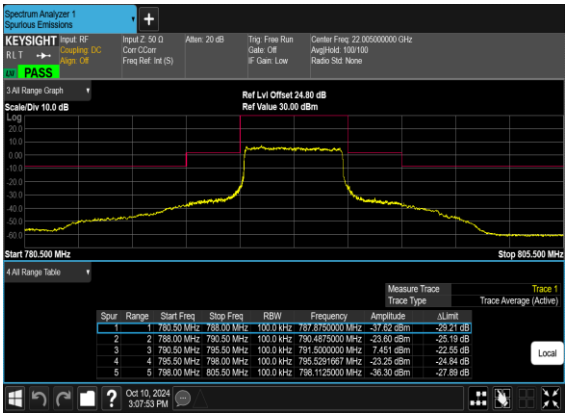
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



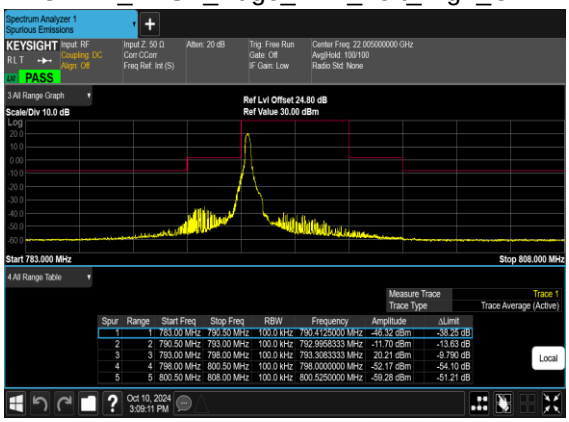
N14(5M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



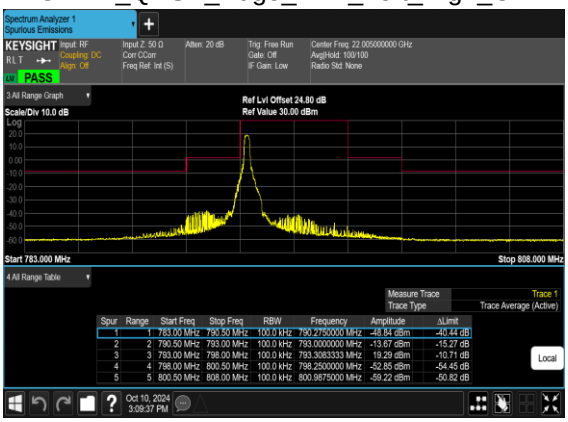
N14(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



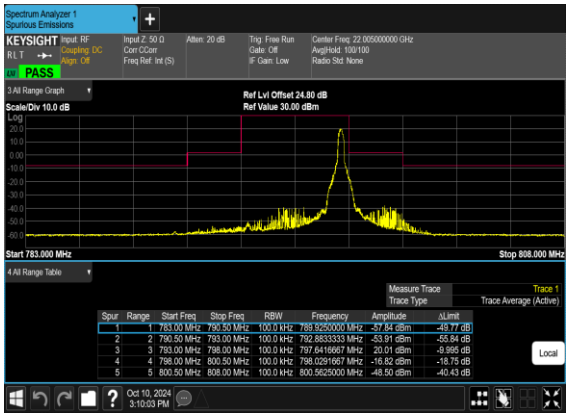
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



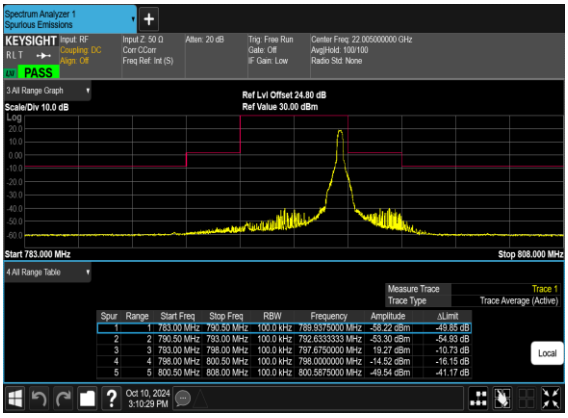
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



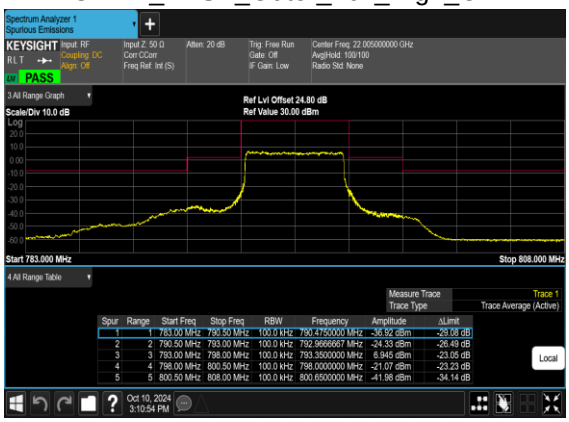
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



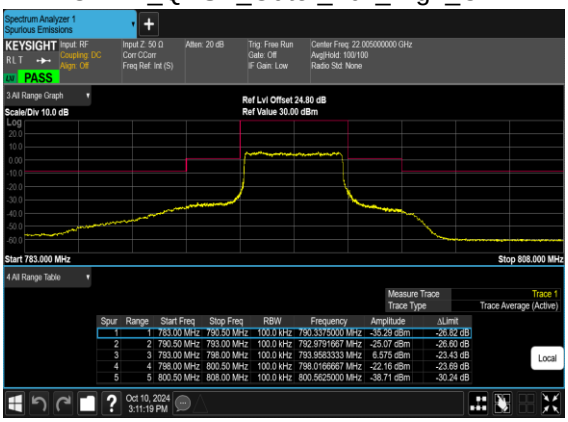
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



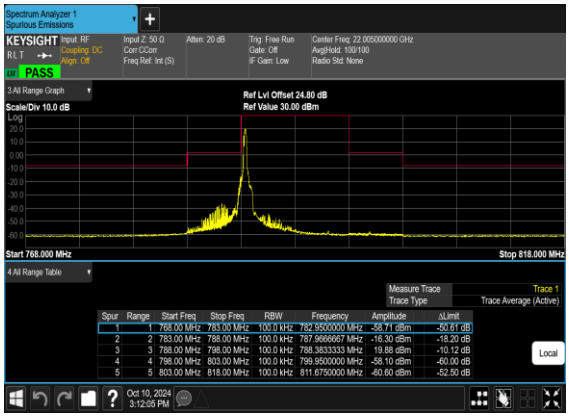
N14(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



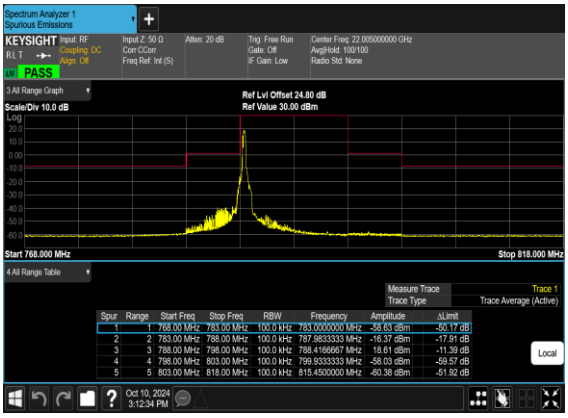
N14(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



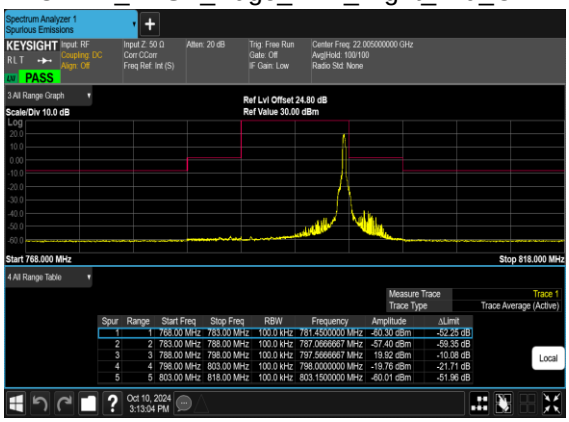
N14(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

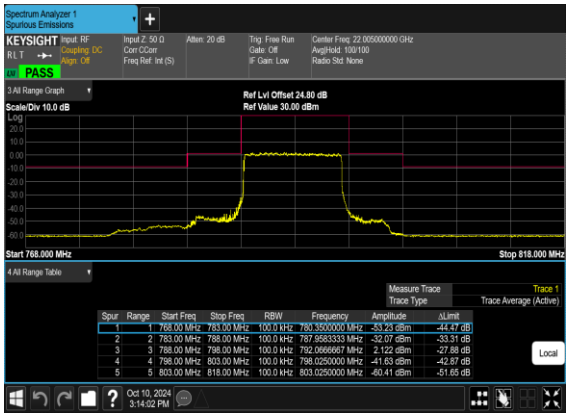


N14(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

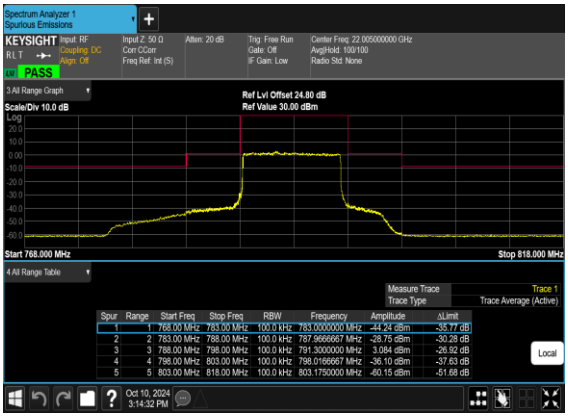


N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

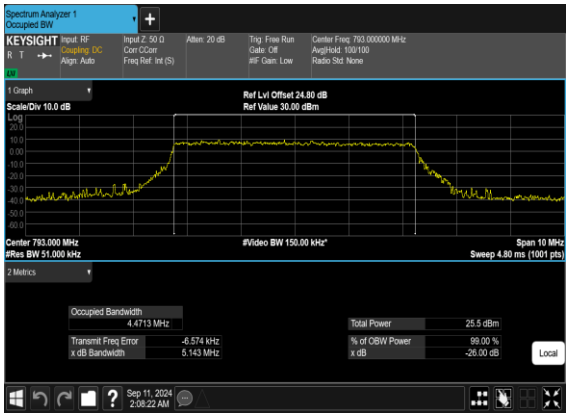
N14(10M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



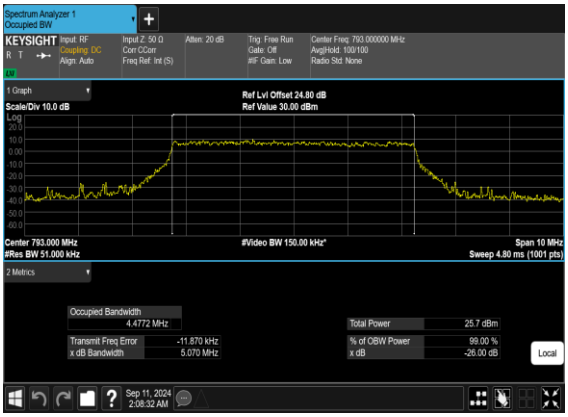
N14(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N14(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

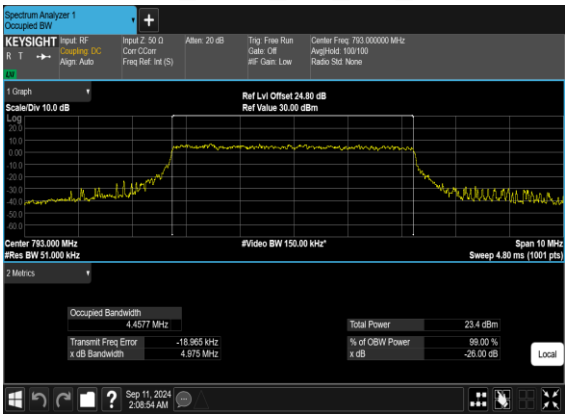


N14(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH

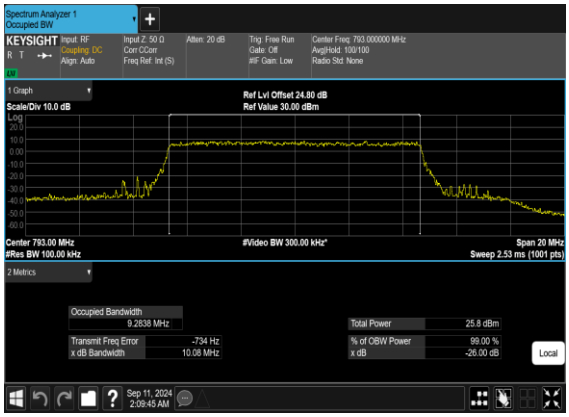


N14(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

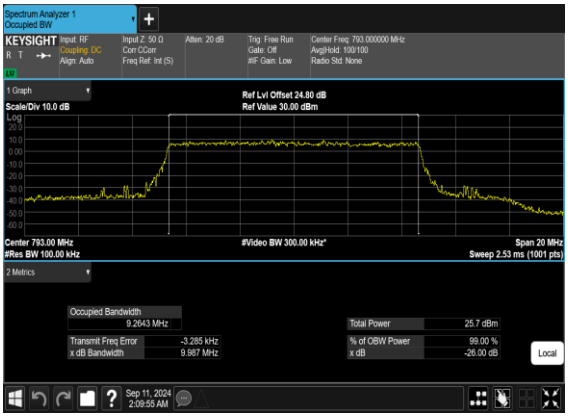
N14(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



N14(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

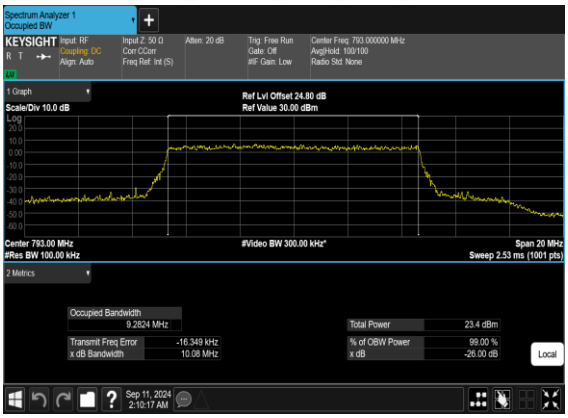


N14(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N14(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

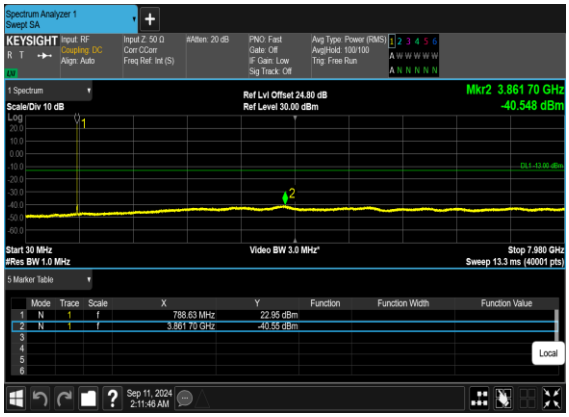
N14(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



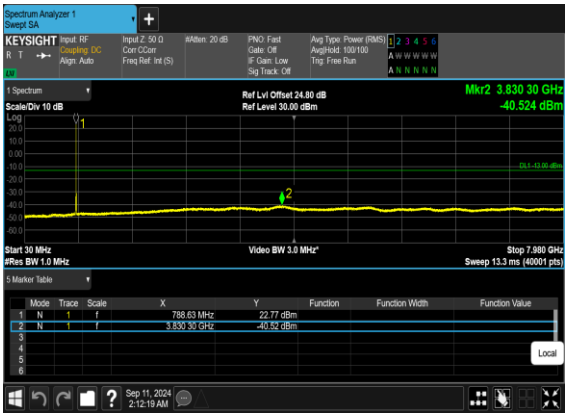
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
14	15	5	158100	790.5	DFT-s-OFDM BPSK	1@0	see graph	---
14	15	5	158100	790.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@0	see graph	---
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	---
14	15	5	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	---
14	15	5	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	1@0	see graph	---
14	15	5	159100	795.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@0	see graph	---
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	---
14	15	10	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	---
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

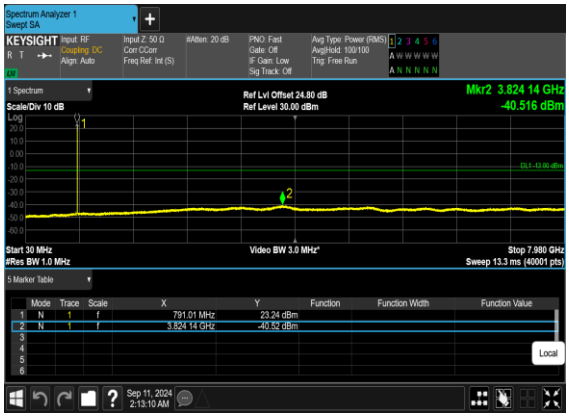
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



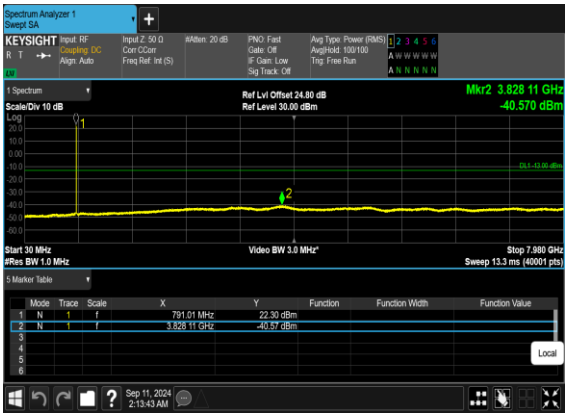
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



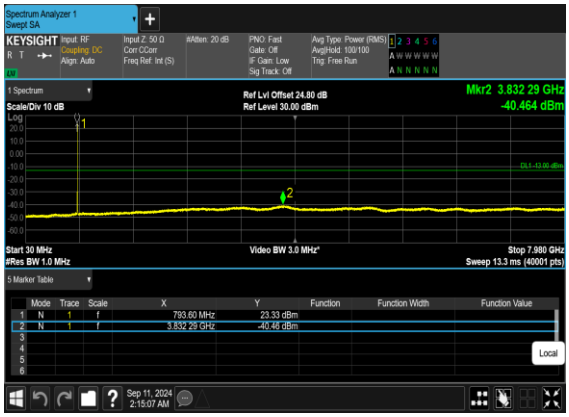
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



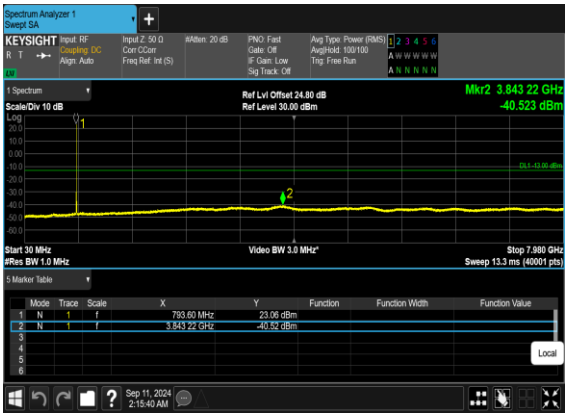
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



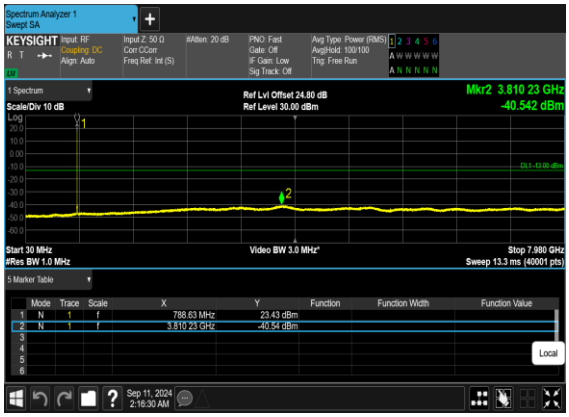
N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



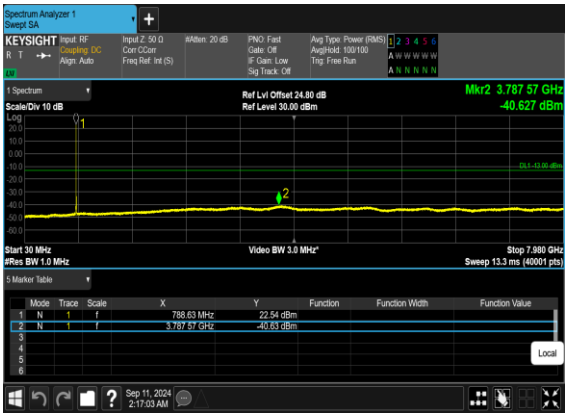
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N14(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



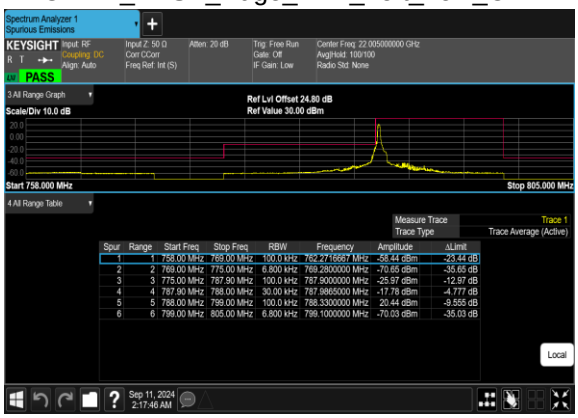
N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



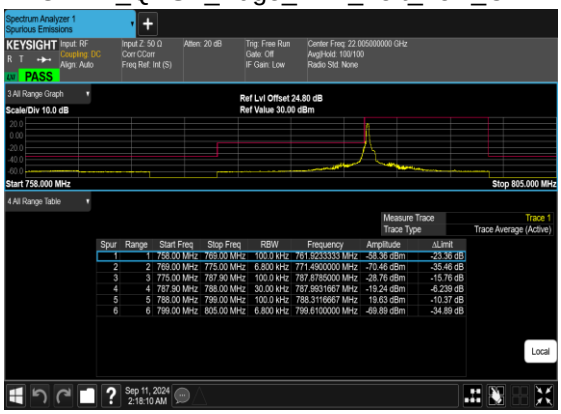
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
14	15	5	158100	790.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
14	15	5	158100	790.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
14	15	5	159100	795.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
14	15	10	158600	793.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**

N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



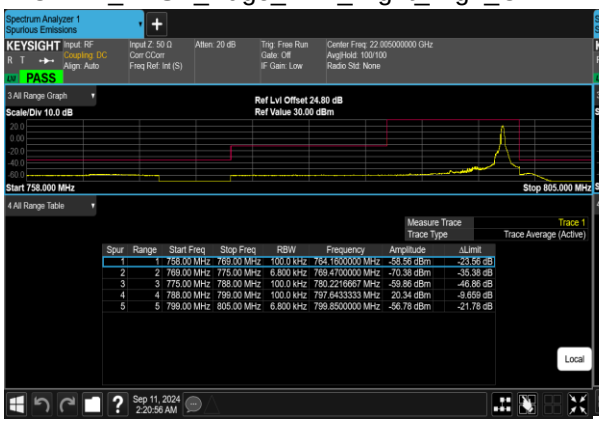
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



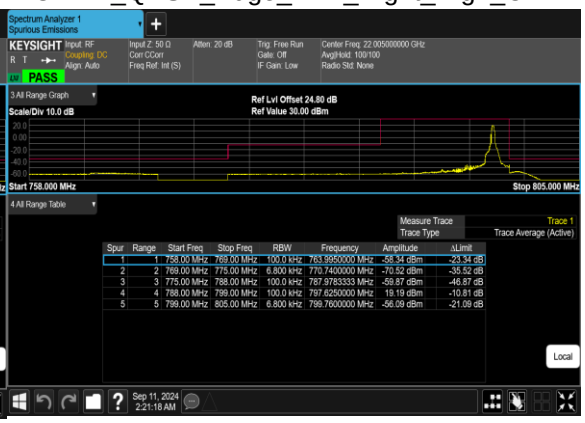
N14(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N14(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

N14(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



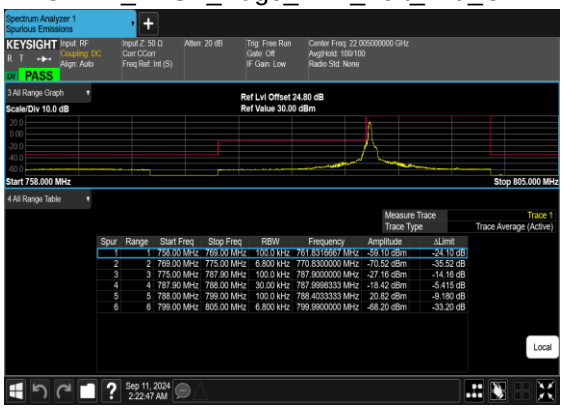
N14(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N14(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

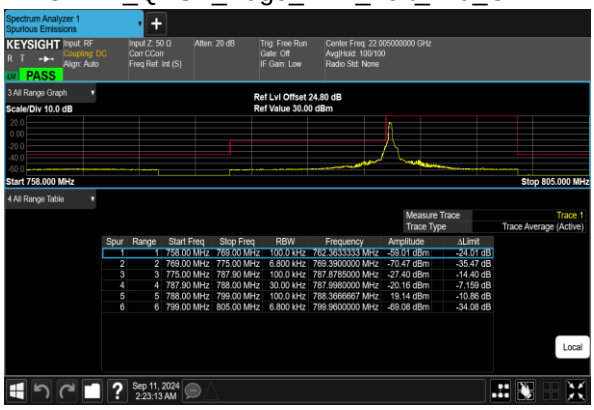
N14(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

N14(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	758.00 MHz	769.00 MHz	100.0 kHz	761.8316667 MHz	-59.10 dBm	-24.10 dB
2	2	769.00 MHz	775.00 MHz	6.800 kHz	770.8300000 MHz	-70.52 dBm	-35.52 dB
3	3	775.00 MHz	787.90 MHz	100.0 kHz	787.9000000 MHz	-27.16 dBm	-14.16 dB
4	4	787.90 MHz	788.00 MHz	30.00 kHz	787.9988333 MHz	-18.42 dBm	-5.415 dB
5	5	788.00 MHz	799.00 MHz	100.0 kHz	788.4033333 MHz	20.82 dBm	-9.180 dB
6	6	799.00 MHz	805.00 MHz	6.800 kHz	799.9900000 MHz	-68.20 dBm	-33.20 dB

N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	758.00 MHz	769.00 MHz	100.0 kHz	762.3633333 MHz	-59.01 dBm	-24.01 dB
2	2	769.00 MHz	775.00 MHz	6.800 kHz	769.3900000 MHz	-70.47 dBm	-35.47 dB
3	3	775.00 MHz	787.90 MHz	100.0 kHz	787.8785000 MHz	-27.40 dBm	-14.40 dB
4	4	787.90 MHz	788.00 MHz	30.00 kHz	787.9980000 MHz	-20.16 dBm	-7.159 dB
5	5	788.00 MHz	799.00 MHz	100.0 kHz	788.3666667 MHz	19.14 dBm	-10.86 dB
6	6	799.00 MHz	805.00 MHz	6.800 kHz	799.9600000 MHz	-68.08 dBm	-34.08 dB

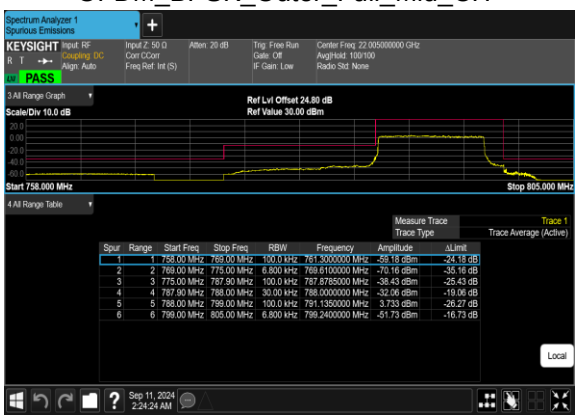
N14(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	758.00 MHz	769.00 MHz	100.0 kHz	762.3633333 MHz	-58.85 dBm	-23.85 dB
2	2	769.00 MHz	775.00 MHz	6.800 kHz	770.1900000 MHz	-70.44 dBm	-35.44 dB
3	3	775.00 MHz	787.90 MHz	100.0 kHz	787.0185000 MHz	-58.24 dBm	-45.24 dB
4	4	787.90 MHz	788.00 MHz	30.00 kHz	787.9003333 MHz	-42.16 dBm	-49.16 dB
5	5	788.00 MHz	799.00 MHz	100.0 kHz	797.5700000 MHz	20.46 dBm	-9.538 dB
6	6	799.00 MHz	805.00 MHz	6.800 kHz	799.0000000 MHz	-57.86 dBm	-22.86 dB

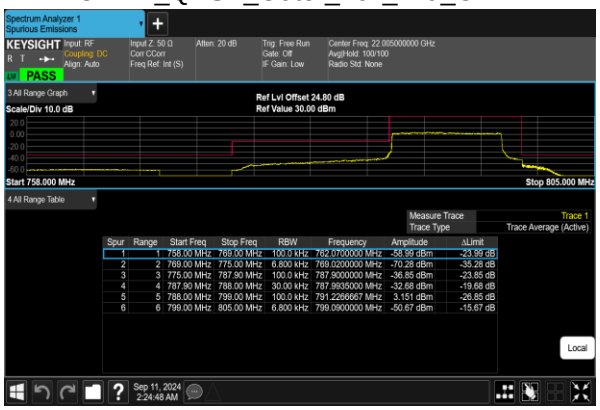
N14(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	758.00 MHz	769.00 MHz	100.0 kHz	762.5100000 MHz	-59.15 dBm	-24.15 dB
2	2	769.00 MHz	775.00 MHz	6.800 kHz	769.5900000 MHz	-70.67 dBm	-35.67 dB
3	3	775.00 MHz	787.90 MHz	100.0 kHz	787.0185000 MHz	-58.47 dBm	-45.47 dB
4	4	787.90 MHz	788.00 MHz	30.00 kHz	787.9968333 MHz	-42.15 dBm	-49.15 dB
5	5	788.00 MHz	799.00 MHz	100.0 kHz	797.5516667 MHz	19.07 dBm	-10.93 dB
6	6	799.00 MHz	805.00 MHz	6.800 kHz	799.7500000 MHz	-56.11 dBm	-21.11 dB

N14(10M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N14(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Field Strength of Spurious Radiated

Test Engineer :	PingZhou Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

SA 5G NR n14 / 10MHz / QPSK_Ant1									
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)
Lowest	1576.4	-66.17	-42.15	-24.02	-76.10	-69.40	3.98	9.36	H
	2364.6	-63.20	-13	-50.20	-77.93	-66.75	4.85	10.55	H
	3152.8	-61.27	-13	-48.27	-78.60	-66.20	5.50	12.58	H
	1576.4	-65.96	-42.15	-23.81	-76.02	-69.19	3.98	9.36	V
	2364.6	-63.32	-13	-50.32	-78.04	-66.87	4.85	10.55	V
	3152.8	-61.32	-13	-48.32	-78.65	-66.25	5.50	12.58	V
Middle	1581.4	-64.75	-42.15	-22.60	-74.69	-68.00	4.00	9.40	H
	2372.1	-63.42	-13	-50.42	-78.10	-66.99	4.88	10.60	H
	3162.8	-60.93	-13	-47.93	-78.26	-65.86	5.52	12.60	H
	1581.4	-65.36	-42.15	-23.21	-75.43	-68.61	4.00	9.40	V
	2372.1	-63.83	-13	-50.83	-78.50	-67.40	4.88	10.60	V
	3162.8	-62.10	-13	-49.10	-79.43	-67.03	5.52	12.60	V
Highest	1586.4	-65.67	-42.15	-23.52	-75.61	-68.84	4.10	9.42	H
	2379.6	-63.46	-13	-50.46	-78.15	-67.04	4.90	10.63	H
	3172.8	-61.27	-13	-48.27	-78.69	-66.19	5.55	12.62	H
	1586.4	-66.02	-42.15	-23.87	-76.09	-69.19	4.10	9.42	V
	2379.6	-63.69	-13	-50.69	-78.37	-67.27	4.90	10.63	V
	3172.8	-61.39	-13	-48.39	-78.79	-66.31	5.55	12.62	V

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