Certificate #6613.01

FCC TEST REPORT

(PART 90)

Applicant:	Power Idea Technology (Shenzhen) Co., Ltd.
Address:	4th Floor, A Section, Languang Science&technology Building, No.7 Xinxi RD, Hi-Tech Industrial Park North, Nanshan District, ShenZhen, P.R.C.

Manufacturer or Supplier	Power Idea Technology (Shenzhen) Co., Ltd.
Address	4th Floor, A Section, Languang Science&technology Building, No.7 Xinxi RD, Hi-Tech Industrial Park North, Nanshan District, ShenZhen, P.R.C.
Product	Smart Phone
Brand Name	RugGear
Model Name	PSM05G
Marketing name：	RG880i
FCC ID:	ZLE-PSM05G
Date of tests:	Aug. 28, 2024 ~ Sep.27, 2024

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 90, Subpart R, S** ☒ **ANSI/TIA/EIA-603- D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
Xu Hanwen	Sun Peibo
Date: Sep.27, 2024	Date: Sep.27, 2024

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-NQN2406210109RF06	Original release	Sep.27, 2024

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 90 & Part 2			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**TEST LAB***
§90.542(a)	Effective Radiated Power (Band14)	PASS	A
§2.1055 §90.539	Frequency Stability	PASS	A
§2.1049	Occupied Bandwidth	PASS	A
§2.1051, §90.543(e)(f)	Emission Masks	PASS	A
§2.1051 §90.543(e)(f)	Conducted Spurious Emissions	PASS	A
§2.1053 §90.543(e)(f)	Radiated Spurious Emissions	PASS	A

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

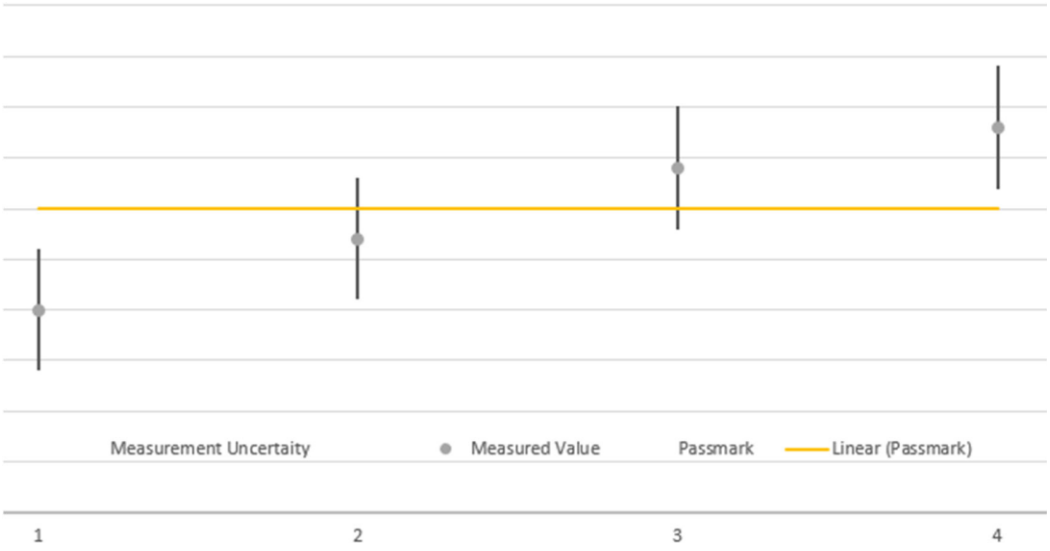
The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Maximum Peak Output Power	±2.06dB
Frequency Stability	±76.97Hz
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Radiated emissions (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Band Edge Measurements	±4.70dB
Peak to average ratio	±0.76dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,22	Aug.29,24
Pre-Amplifier	R&S	SCU18F1	100815	Aug.29,24	Aug.28,26
Pre-Amplifier	R&S	SCU08F1	101028	Sep.16,22	Sep.15,24
Pre-Amplifier	R&S	SCU08F1	101028	Sep.15,24	Sep.14,26
Vector Signal Generator	R&S	SMBV100B	102176	Mar.29,24	Mar.28,26
Signal Generator	R&S	SMB100A	182185	Mar.29,24	Mar.28,26
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Mar.28,24	Mar.27,26
EMI TEST Receiver	R&S	ESW44	101973	Mar.28,24	Mar.27,26
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Dec.26,23	Dec.25,25
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.21,24	Aug.20,26
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Jul.15,24	Jul.14,26
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.21,24	Aug.20,26
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.22,24	Feb.21,26
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.19,24	Jun.18,26
Test Software	EMC32	EMC32	N/A	N/A	N/A
6DB attenuator	Tonscend Technology Co., Ltd	N/A	23062787	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	Oct.01,22	Sep.30,24
DC Source	HYELEC	HY3010B	551016	Aug.31,22	Aug.30,24
DC Source	HYELEC	HY3010B	551016	Aug.30,24	Aug.29,26
Hygrothermograph	DELI	20210528	SZ014	Sep.06,22	Sep.05,24
Hygrothermograph	DELI	20210528	SZ014	Sep.05,24	Sep.04,26
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	W12.14	N/A	Apr.27,24	Apr.26,25
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Apr.27,24	Apr.26,25

CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Apr.27,24	Apr.26,25
Temperature Chamber	votsch	VT4002	58566078100050	May.30,24	May.29,26

NOTE: 1. The calibration interval of the above test instruments is 12/ 24 / 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.

3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT*	Smart Phone	
BRAND NAME*	RugGear	
MODEL NAME*	PSM05G	
MARKETING NAME*	RG880i	
NOMINAL VOLTAGE*	5.0Vdc/ 9.0Vdc/ 12.0Vdc(Adapter) 3.85Vdc (Battery)	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**LTE Band 14 Channel Bandwidth: 5MHz**	790.5MHz ~ 795.5MHz
	LTE Band 14 Channel Bandwidth: 10MHz	793MHz
EMISSION DESIGNATOR	**LTE Band 14 Channel Bandwidth: 5MHz**	QPSK: 4M49G7D
		16QAM: 4M48W7D
		64QAM: 4M48W7D
	LTE Band 14 Channel Bandwidth: 10MHz	QPSK: 8M94G7D
		16QAM: 8M94W7D
		64QAM: 8M93W7D
MAX. ERP POWER	**LTE Band 14 Channel Bandwidth: 5MHz**	79.98mW
	LTE Band 14 Channel Bandwidth: 10MHz	81.47mW
ANTENNA GAIN*	PIFA Antenna with -2dBi gain for LTE Band 14	
HW VERSION*	V02	
SW VERSION*	RG880i_EAA_00.00_1	
I/O PORTS*	Refer to user's manual	
DATA CABLE*	USB cable: non-shielded cable, with w/o ferrite core, 1.0 meter	
EXTREME TEMPERATURE*	-10℃-55℃	
EXTREME VOLTAGE*	3.6V – 4.4V	

NOTE:

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

2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

3. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and two receivers.

MODULATION MODE	TX FUNCTION
LTE	1TX

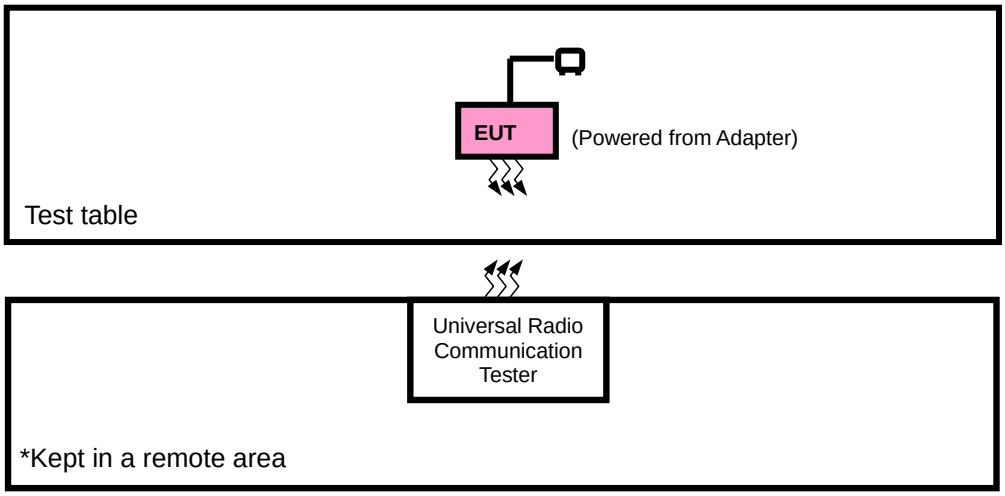
4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

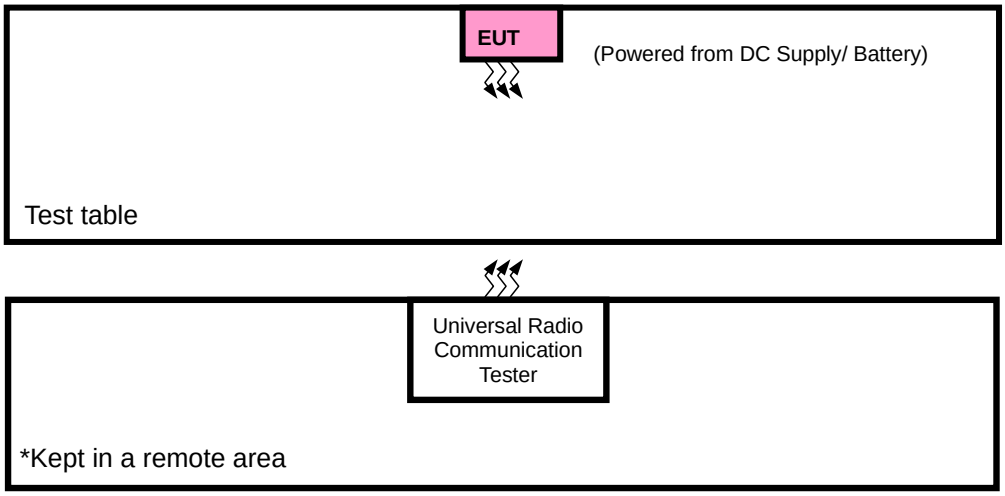
5. **List of Accessory:**

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
CPU	QUALCOMM	N/A	SM6225	N/A
eMMC 1 (=ROM 1)	SAMSUNG	N/A	KM2L9001CM-B518	N/A
eMMC 2 (=ROM 2)	Hynix	N/A	H9QT0GECN6X145R	N/A
RAM 1	N/A	N/A	N/A	N/A
RAM 2	N/A	N/A	N/A	N/A
BT/WLAN Module	N/A	N/A	N/A	N/A
NFC chipset	NXP	N/A	N/A	N/A
Battery	N/A	N/A	BL450AGP	Power Rating: 4.4V 4500mAh
Adapter	N/A	Huizhou Juwei Electronics Co.,Ltd	FG18AQC3.0UU	I/P: 100-240Vac, 50/60Hz, 0.5A, O/P:5.0V 3.0A or 9.0V 2.0A or 12.0V 1.5A
USB Cable	N/A	N/A	N/A	N/A

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST





2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	N/A	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB Line: Shielded, Detachable 1.0m;

2.4 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports The worst case in ERP/EIRP and radiated emission was found when positioned on X-plane for LTE. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	**EUT + Adapter + USB Cable with LTE link**
B	**EUT + Battery / DC Supply with LTE link**

LTE BAND 14 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23305 to 23355	23305, 23330, 23355	5MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
		23330	23330	10MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	23330	23330	10MHz	QPSK	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	23305 to 23355	23305, 23330, 23355	5MHz	QPSK,16QAM,64QAM	25 RB / 0 RB Offset
		23330	23330	10MHz	QPSK,16QAM,64QAM	50 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	23305 to 23355	23305, 23330, 23355	5MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
		23330	23330	10MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
A	BAND EDGE	23305 to 23355	23305	5MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB Offset
						25 RB / 0 RB Offset
			23355	5MHz	QPSK,16QAM, 64QAM	1 RB / 24 RB Offset
						25 RB / 0 RB Offset
		23300	23330	10MHz	QPSK,16QAM, 64QAM	1 RB / 0 RB Offset
						50 RB / 0 RB Offset
						1 RB / 49 RB Offset
						/
A	CONDUCTED EMISSION	23305 to 23355	23305, 23330, 23355	5MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
		23330	23330	10MHz	QPSK,16QAM,64QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	23305 to 23355	23305, 23330, 23355	5MHz	QPSK	1 RB / 0 RB Offset
		23330	23330	10MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	24deg. C, 60%RH	DC 5.0V/ 9.0V/ 12.0V By Adapter	Hanwen Xu
FREQUENCY STABILITY	24deg. C, 61%RH	DC 3.6V/ 3.85V/ 4.4V By Battery	Hanwen Xu
OCCUPIED BANDWIDTH	24deg. C, 61%RH	DC 5.0V/ 9.0V/ 12.0V By Adapter	Hanwen Xu
BAND EDGE	24deg. C, 61%RH	DC 5.0V/ 9.0V/ 12.0V By Adapter	Hanwen Xu
CONDUCTED EMISSION	24deg. C, 61%RH	DC 5.0V/ 9.0V/ 12.0V By Adapter	Hanwen Xu
RADIATED EMISSION	23deg. C, 70%RH	DC 5.0V/ 9.0V/ 12.0V By Adapter	Hanwen Xu

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 90

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

47 CFR 90.542(a)(6)
Control stations and mobile stations transmitting in the 758–768 MHz band and the 788–798 MHz band are limited to 30 watts ERP.
47 CFR 90.542(a)(7)
Portable stations (hand-held devices) transmitting in the 758–768 MHz band and the 788–798 MHz band are limited to 3 watts ERP.

3.1.2 TEST PROCEDURES

EIRP / ERP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determing the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

ERP or EIRP = $P_{Meas} + G_T - L_C$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

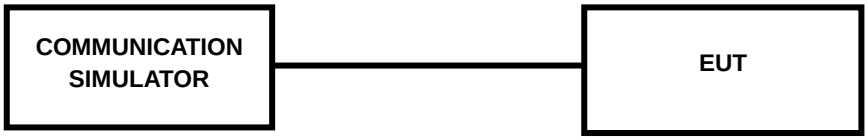
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

CONDUCTED POWER MEASUREMENT:

a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

LTE Band 14

Band/BW	Modulation	RB Size	RB Offset	Low CH 23305	Mid CH 23330	High CH 23355
				Frequency 790.5 MHz	Frequency 793 MHz	Frequency 795.5 MHz
14/ 5	QPSK	1	0	23.04	23.18	23.12
		1	12	22.84	22.86	22.95
		1	24	22.99	23.03	22.97
		12	0	22.18	22.24	22.13
		12	6	22.07	22.08	21.97
		12	13	21.82	21.98	21.73
		25	0	22.04	22.21	22.11
	16QAM	1	0	22.22	22.28	22.22
		1	12	22.23	22.30	22.10
		1	24	22.18	22.20	22.21
		12	0	21.29	21.25	21.19
		12	6	21.00	21.12	20.98
		12	13	20.95	21.08	20.98
		25	0	21.01	21.17	21.12
	64QAM	1	0	21.09	21.31	21.15
		1	12	21.02	20.97	21.04
		1	24	20.98	21.10	20.93
		12	0	20.02	19.99	19.86
		12	6	19.95	20.04	19.84
		12	13	19.86	19.88	19.80
		25	0	19.90	20.08	19.99

Band/BW	Modulation	RB Size	RB Offset	/	Mid CH 23330	/
				/	Frequency 793 MHz	/
14/ 10	QPSK	1	0	/	**23.26**	/
		1	24	/	22.94	/
		1	49	/	23.06	/
		25	0	/	22.08	/
		25	12	/	22.05	/
		25	25	/	22.07	/
		50	0	/	22.11	/
	16QAM	1	0	/	22.39	/
		1	24	/	22.11	/
		1	49	/	22.22	/
		25	0	/	21.09	/
		25	12	/	21.08	/
		25	25	/	21.04	/
		50	0	/	20.98	/
	64QAM	1	0	/	21.34	/
		1	24	/	21.09	/
		1	49	/	21.15	/
		25	0	/	20.06	/
		25	12	/	20.03	/
		25	25	/	20.06	/
		50	0	/	20.04	/

ERP

LTE BAND 14

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23305	790.5	23.04	-2	18.89	77.45	3
23330	793	23.18	-2	19.03	79.98	3
23355	795.5	23.12	-2	18.97	78.89	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23305	790.5	22.23	-2	18.08	64.27	3
23330	793	22.3	-2	18.15	65.31	3
23355	795.5	22.22	-2	18.07	64.12	3

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23305	790.5	21.09	-2	16.94	49.43	3
23330	793	21.31	-2	17.16	52	3
23355	795.5	21.15	-2	17	50.12	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23330	793	23.26	-2	19.11	81.47	3
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23330	793	22.39	-2	18.24	66.68	3
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23330	793	21.34	-2	17.19	52.36	3
-	-	-	-	-	-	-

REMARKS: ERP Output Power (dBm) = ERP (dBm) -2.15(dB).

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked

3.2.2 TEST PROCEDURE

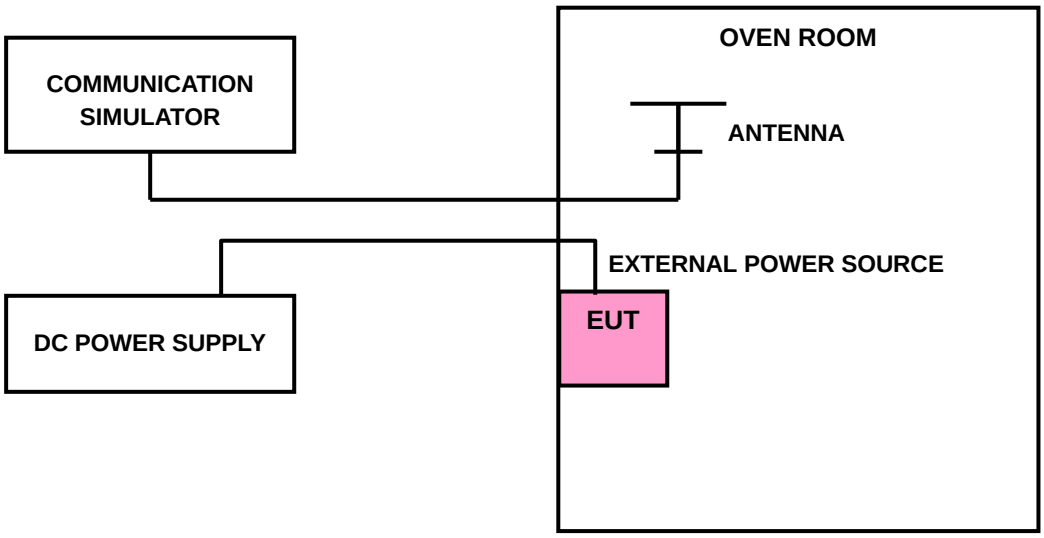
a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

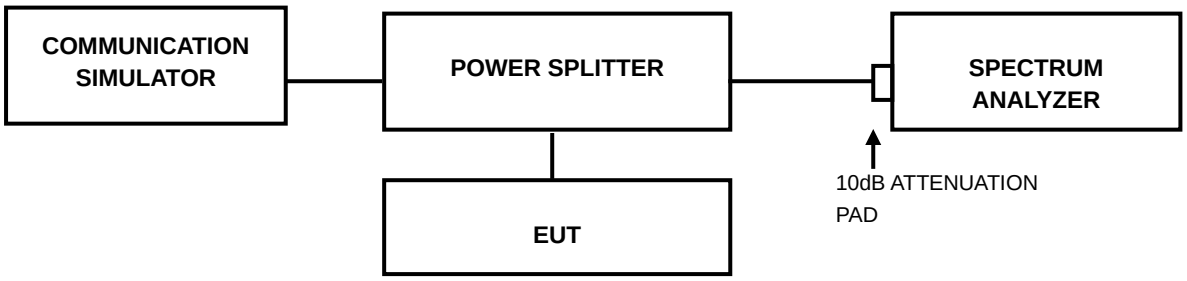
Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.85V); VH = High voltage(4.4V);
NT = Normal temperature (25℃)

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

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 power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.4 EMISSION MASK MEASUREMENT

3.4.1 LIMITS OF EMISSION MASK MEASUREMENT

LTE Band14:
According to FCC part 90.543(e) shall be tested the emission mask.
(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(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.

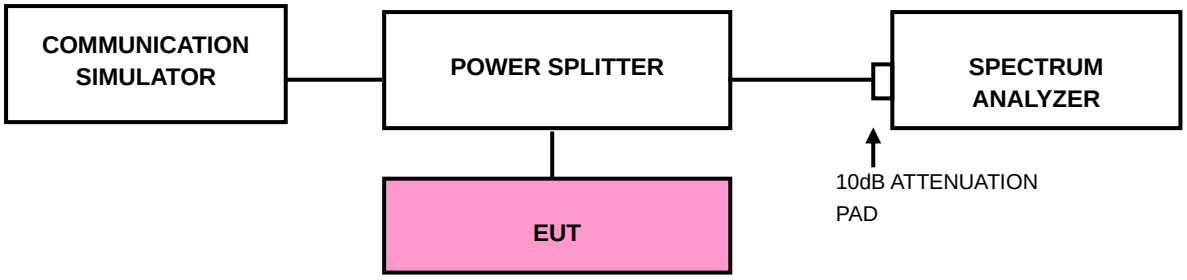
(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

a) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.

b) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).

c) Set the resolution bandwidth (RBW) ≧ 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.

d) Beyond the 1MHz band from the band edge, RBW=1MHz was used.

e) Set the video bandwidth (VBW) to ≧3 x RBW.

f) Select the average power (RMS) display detector.

g) Set the number of measurement points to ≧ 1001.

h) Use auto-coupled sweep time.

i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.

j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.

k) Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

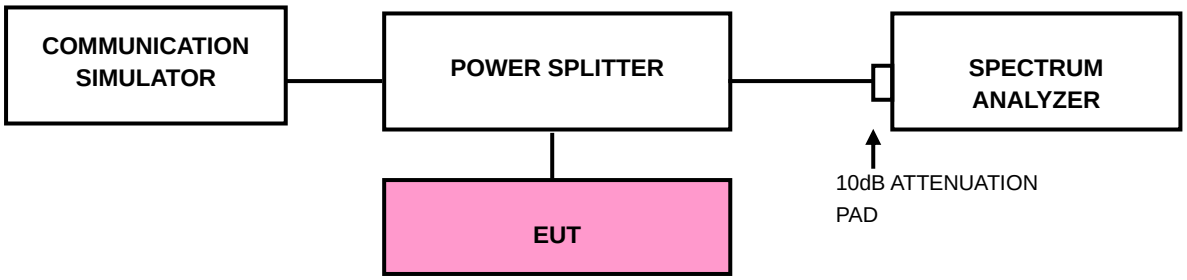
For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics in the band 1559– 1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose 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.

3.5.2 TEST PROCEDURE

a. The EUT makes a phone call to the communication simulator. All measurements were done at middle operational frequency range.

b. Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

NOTE：The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to Appendix Of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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.

3.6.2 TEST PROCEDURES

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G

c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.

d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.

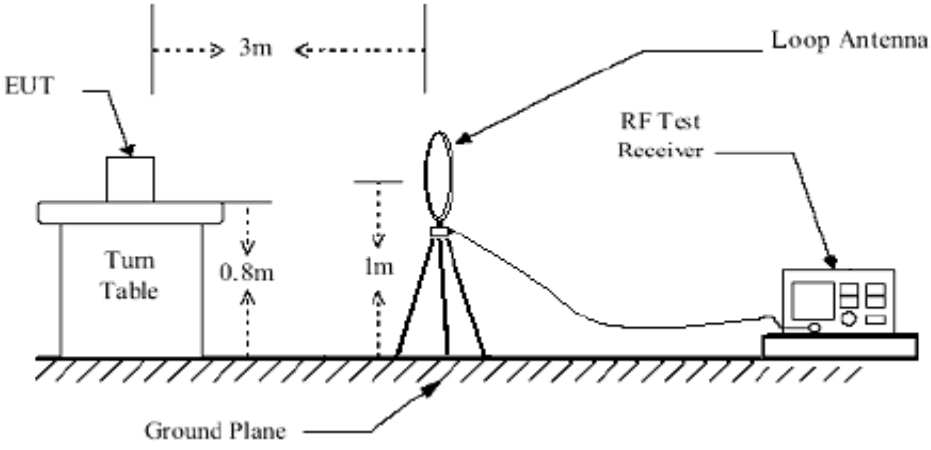
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

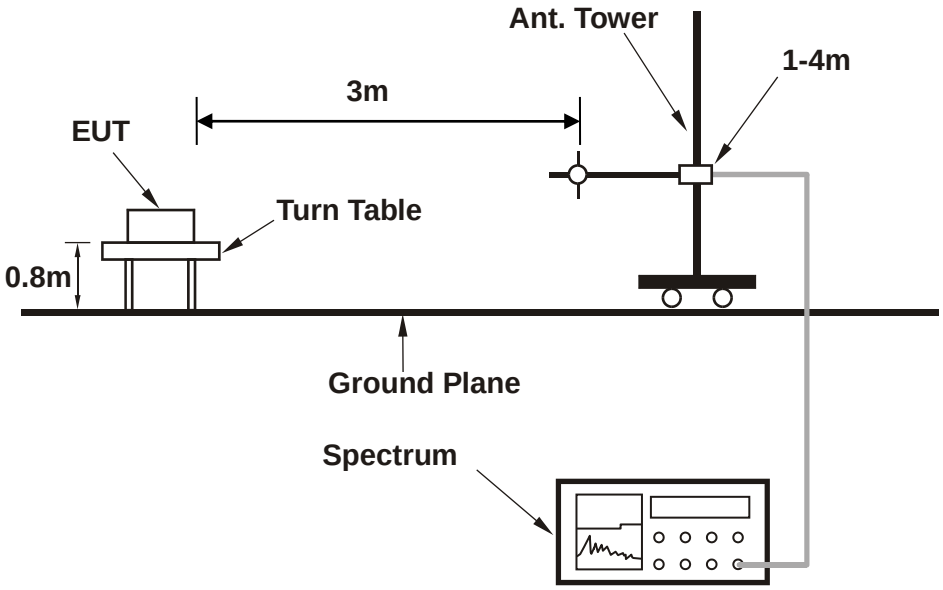
No deviation

3.6.4 TEST SETUP

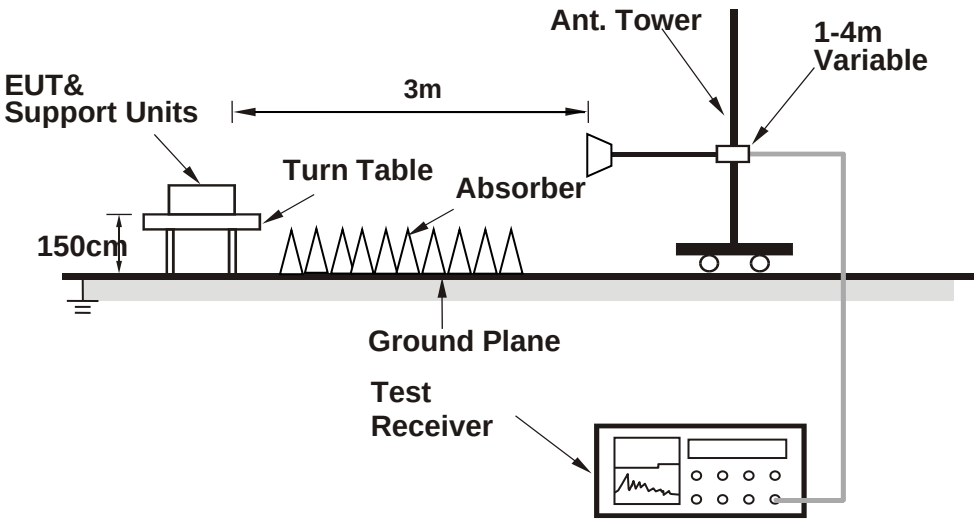
<Below 30MHz>



< Frequency Range 30MHz~1GHz >



< Frequency Range above 1GHz >



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6.5 TEST RESULTS

NOTE：The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

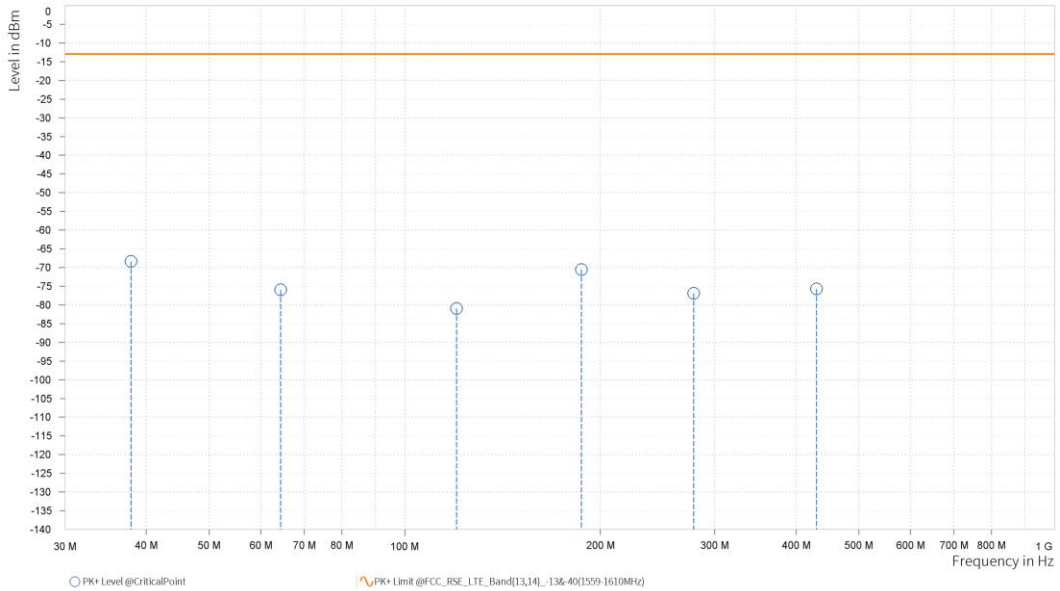
LTE Band 14:

CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 23330	**FREQUENCY RANGE**	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

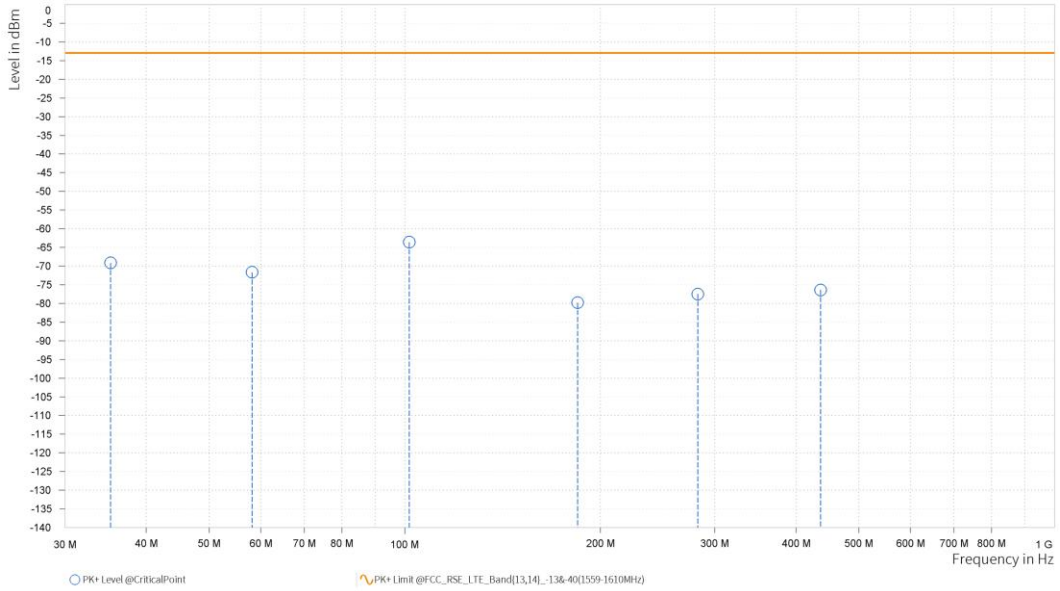
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	37.9	-68.36	-13.0	55.36	0.64	H	356.4	1.0
1	64.4	-75.98	-13.0	62.98	-5.65	H	4.9	1.0
1	120.15	-80.98	-13.0	67.98	-11.79	H	299.3	1.0
1	186.95	-70.53	-13.0	57.53	-5.13	H	145.0	1.0
1	278.35	-76.92	-13.0	63.92	-0.63	H	222.8	1.0
1	430.1	-75.75	-13.0	62.75	3.47	H	175.4	2.0



MODE	TX channel 23330	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	35.25	-69.16	-13.0	56.16	-9.66	V	359.1	1.0
1	58.2	-71.65	-13.0	58.65	-2.89	V	359.1	1.0
1	101.65	-63.6	-13.0	50.6	3.28	V	265.8	1.0
1	184.4	-79.81	-13.0	66.81	-8.4	V	359.1	1.0
1	282.4	-77.48	-13.0	64.48	-0.46	V	171.9	2.0
1	436.3	-76.41	-13.0	63.41	2.77	V	115.2	1.0



ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

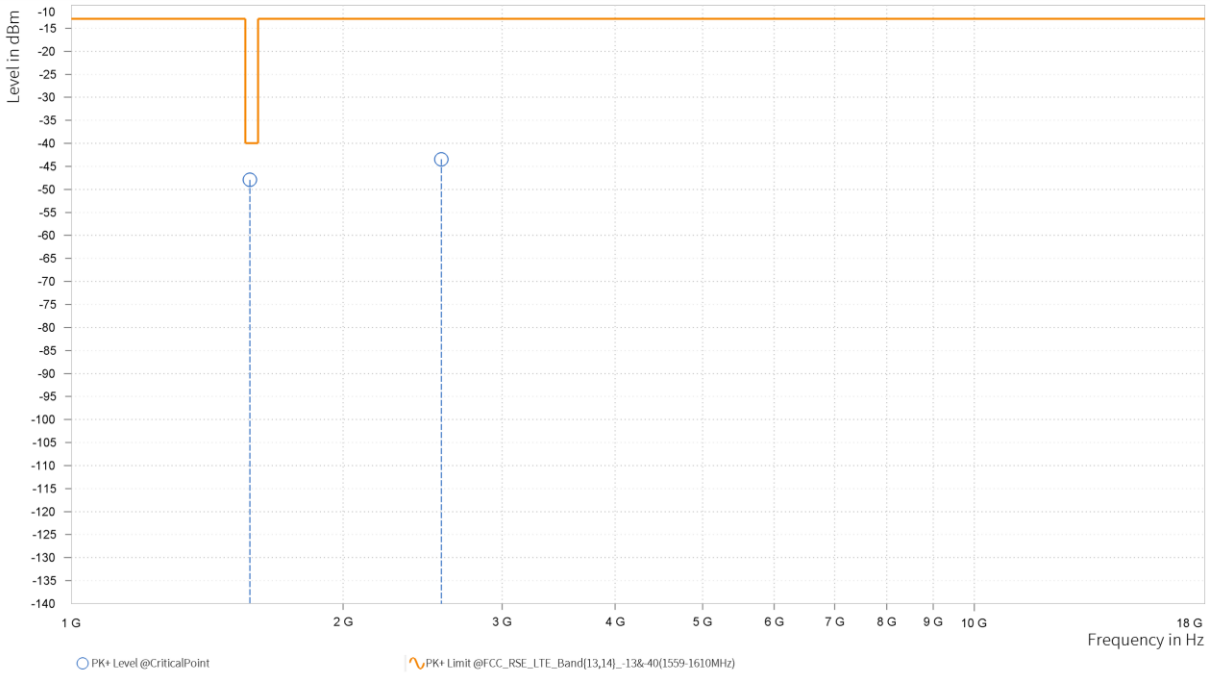
LTE B14

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23305

MODE	TX channel 23305	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

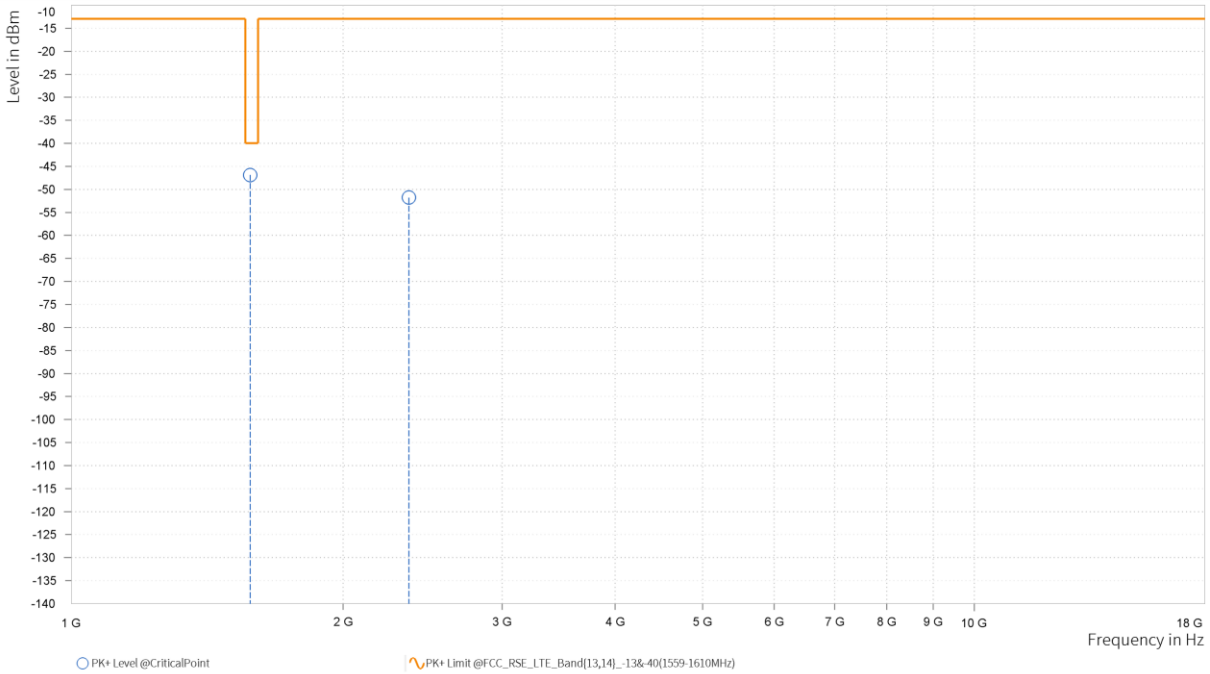
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,576.500	-47.95	-40.0	7.95	12.32	H	34.6	1.0
3	2,364.750	-43.47	-13.0	30.47	19.95	H	110.2	2.0



MODE	TX channel 23305	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,577.000	-46.89	-40.0	6.89	13.52	V	356.2	1.0
3	2,364.750	-51.78	-13.0	38.78	19.29	V	1.6	2.0

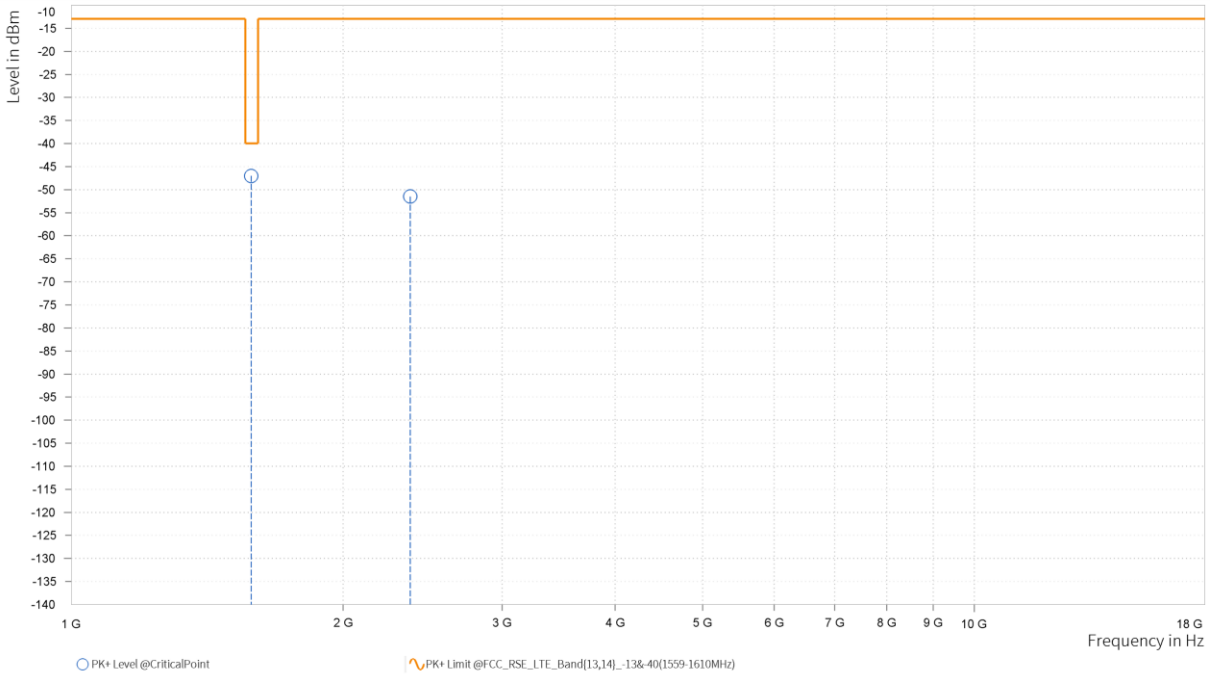


CH23330

MODE	TX channel 23330	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

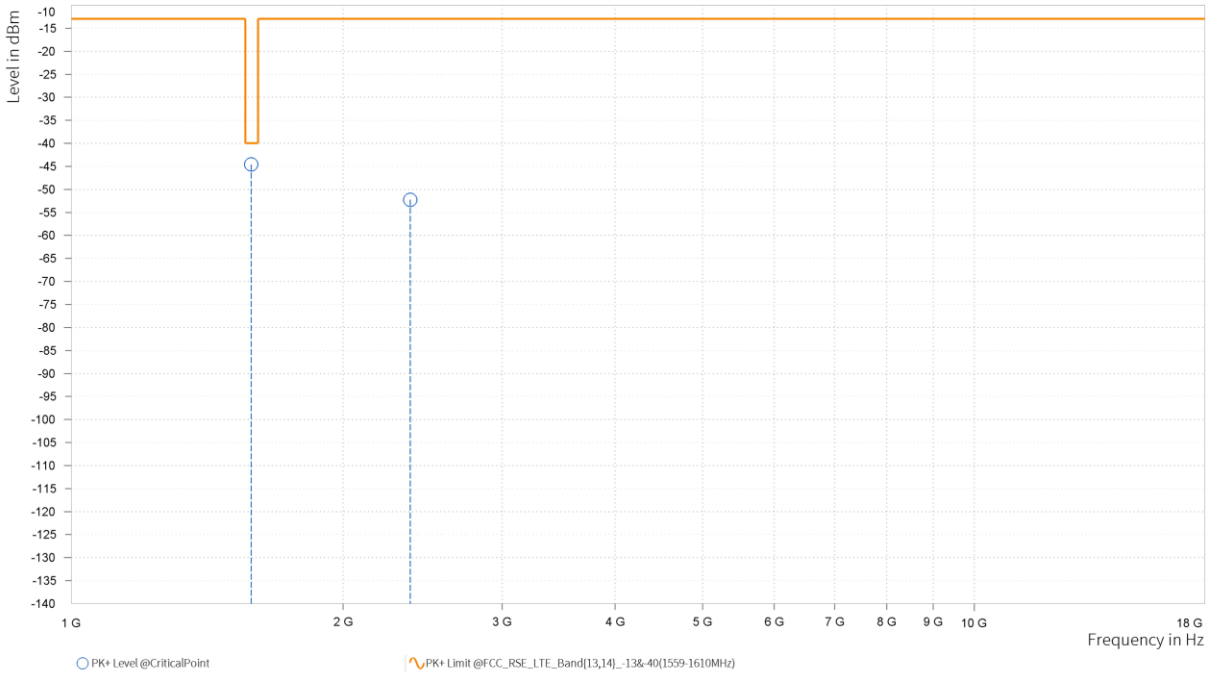
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,581.500	-47.03	-40.0	7.03	12.4	H	34.6	1.0
3	2,372.250	-51.49	-13.0	38.49	19.87	H	358.2	1.0



MODE	TX channel 23330	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,581.500	-44.57	-40.0	4.57	13.53	V	239.8	1.0
3	2,372.250	-52.24	-13.0	39.24	19.31	V	247.5	1.0

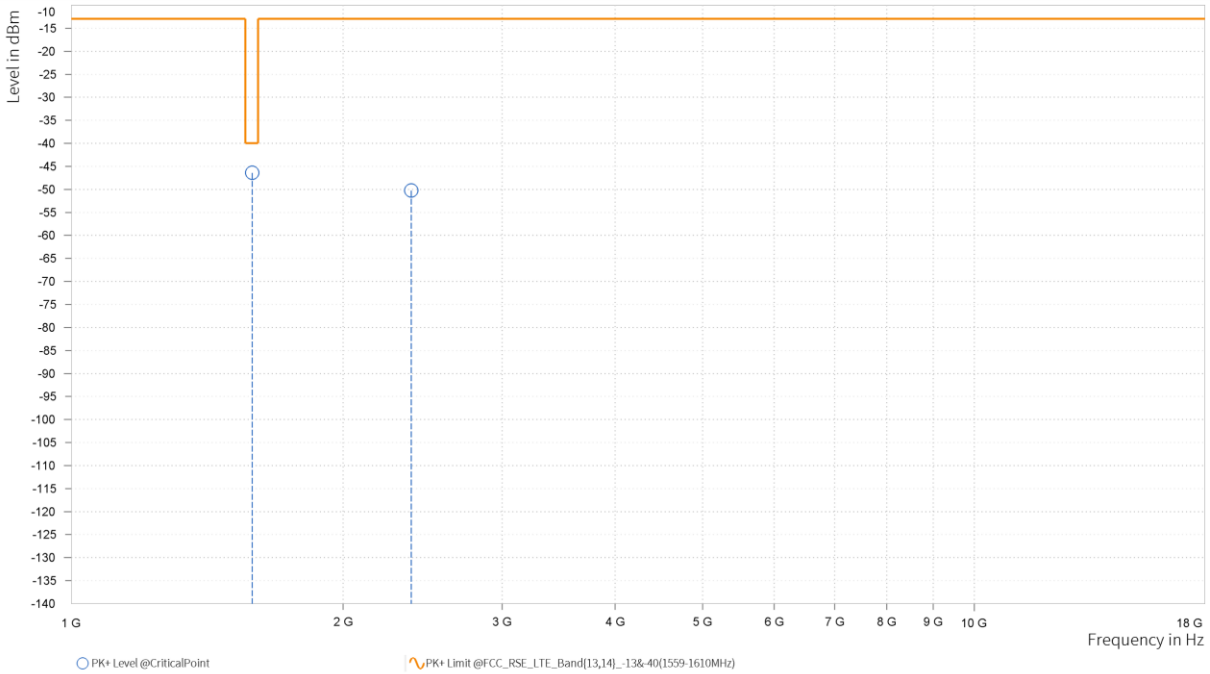


CH23355

MODE	TX channel 23355	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

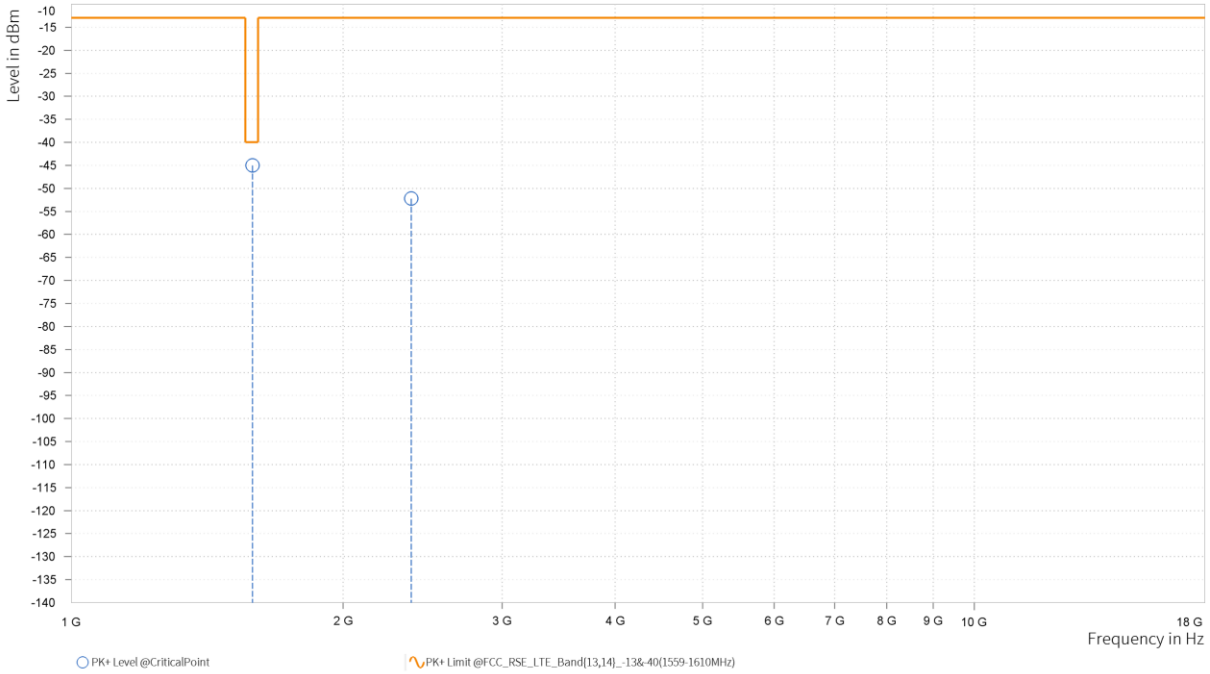
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,586.000	-46.41	-40.0	6.41	12.5	H	37.4	1.0
3	2,379.750	-50.25	-13.0	37.25	19.78	H	193.1	1.0



MODE	TX channel 23355	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,587.000	-45.04	-40.0	5.04	13.59	V	302.1	1.0
3	2,379.750	-52.22	-13.0	39.22	19.23	V	107.4	2.0

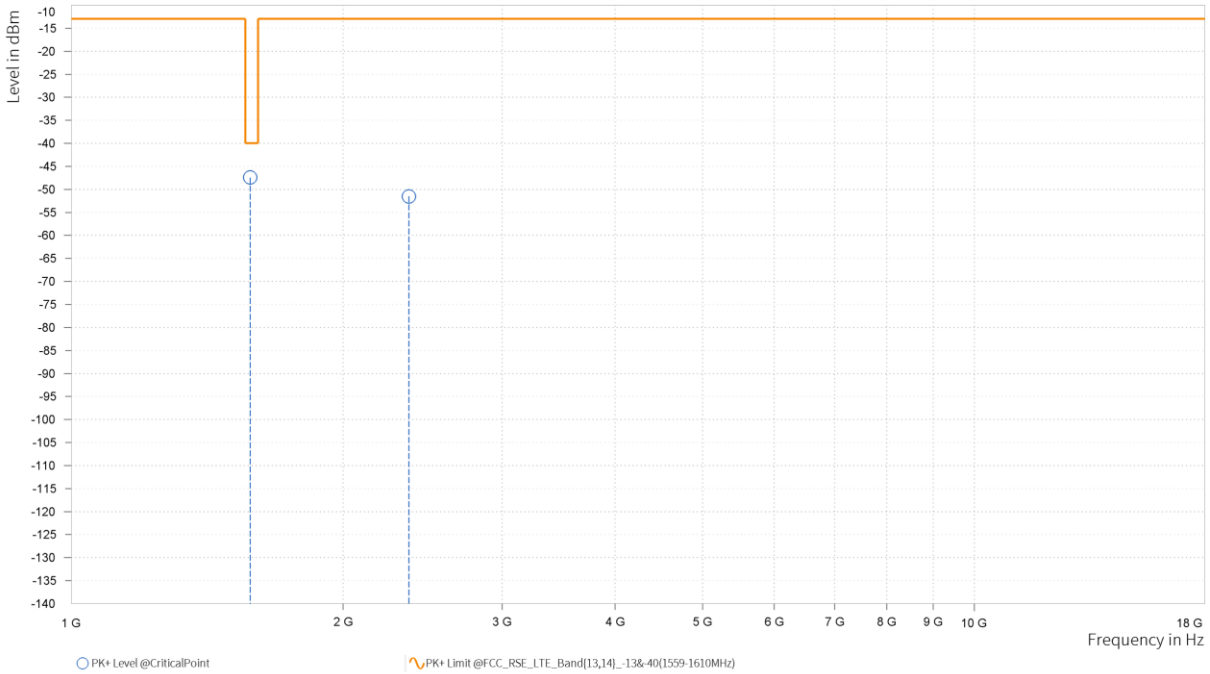


CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 23330	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

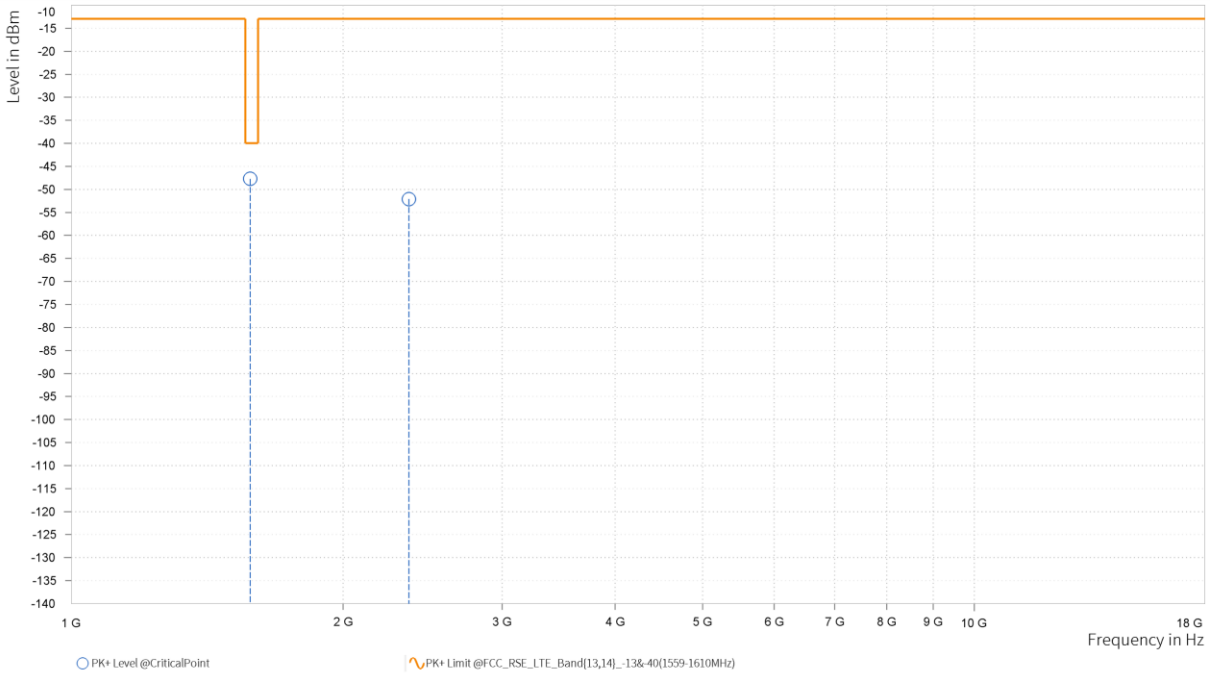
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,577.000	-47.4	-40.0	7.4	12.32	H	57.9	2.0
3	2,365.500	-51.54	-13.0	38.54	19.66	H	1.0	1.0



MODE	TX channel 23330	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Hanwen Xu		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,577.000	-47.72	-40.0	7.72	13.52	V	45.8	2.0
3	2,365.500	-52.1	-13.0	39.1	19.29	V	19.0	2.0

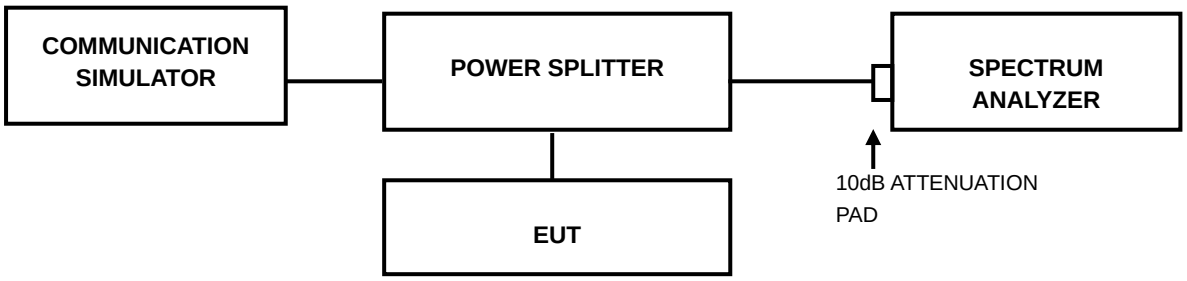


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.

4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.
Lab Address:
Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province
Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:
Tel: +86 (0557) 368 1008

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

6 APPENDIX

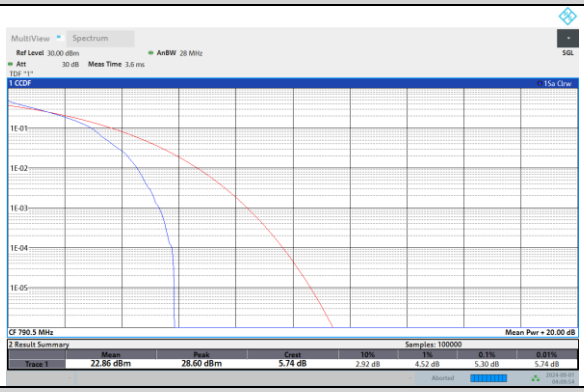
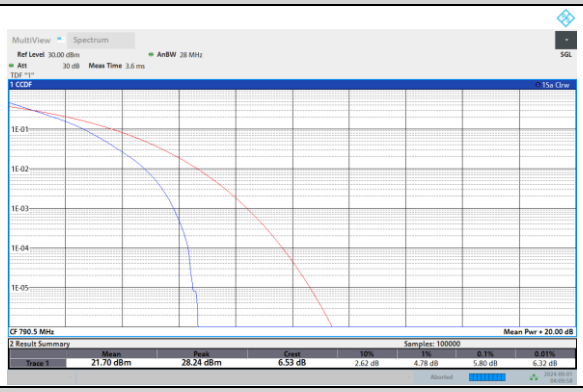
LTE BAND14

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	5.30	13	PASS
Band14	5MHz	QPSK	23305	25RB#0	5.80	13	PASS
Band14	5MHz	QPSK	23330	1RB#0	5.16	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.88	13	PASS
Band14	5MHz	QPSK	23355	1RB#0	5.58	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.92	13	PASS
Band14	5MHz	16QAM	23305	1RB#0	5.88	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.54	13	PASS
Band14	5MHz	16QAM	23330	1RB#0	5.86	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.84	13	PASS
Band14	5MHz	16QAM	23355	1RB#0	6.10	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	6.76	13	PASS
Band14	5MHz	64QAM	23305	1RB#0	6.28	13	PASS
Band14	5MHz	64QAM	23305	25RB#0	6.96	13	PASS
Band14	5MHz	64QAM	23330	1RB#0	6.06	13	PASS
Band14	5MHz	64QAM	23330	25RB#0	7.14	13	PASS
Band14	5MHz	64QAM	23355	1RB#0	6.80	13	PASS
Band14	5MHz	64QAM	23355	25RB#0	7.08	13	PASS
Band14	10MHz	QPSK	23330	1RB#0	5.32	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.68	13	PASS
Band14	10MHz	16QAM	23330	1RB#0	5.86	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.52	13	PASS
Band14	10MHz	64QAM	23330	1RB#0	6.40	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.30	13	PASS

Test Graphs

Band14-5MHz-QPSK-23305-1RB#0	Band14-5MHz-QPSK-23305-6RB#0
	
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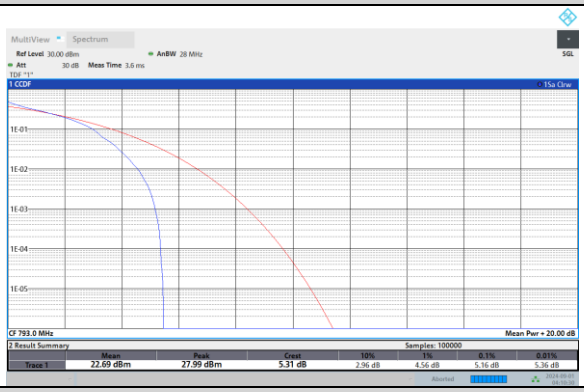	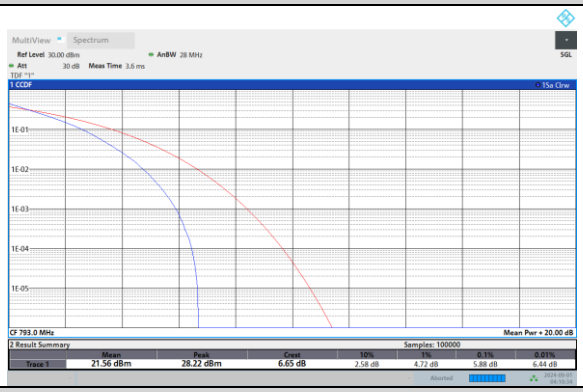
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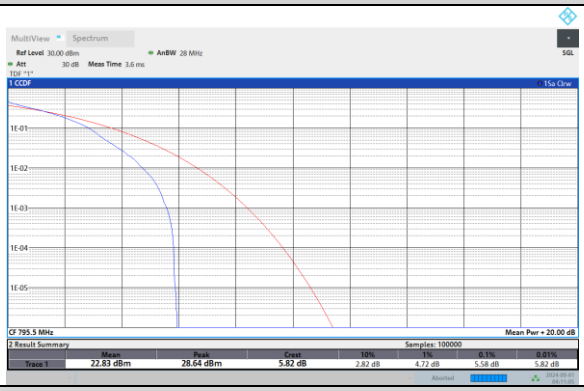	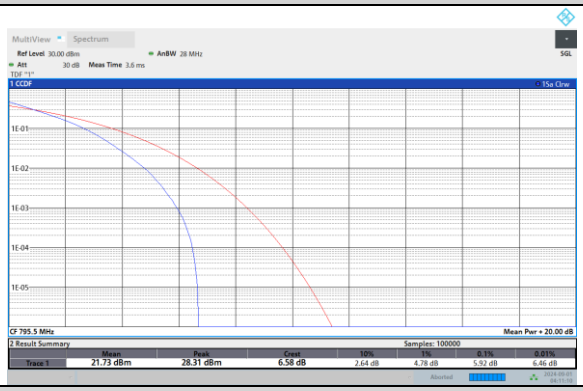
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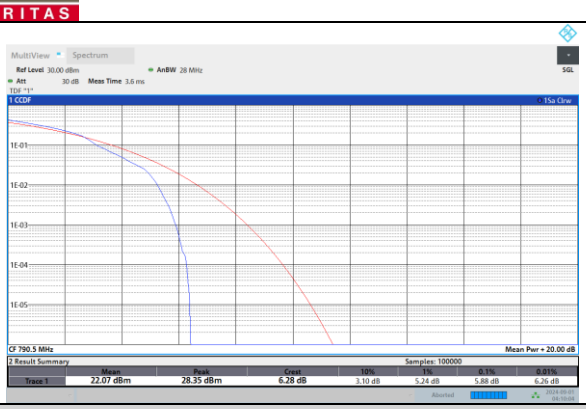
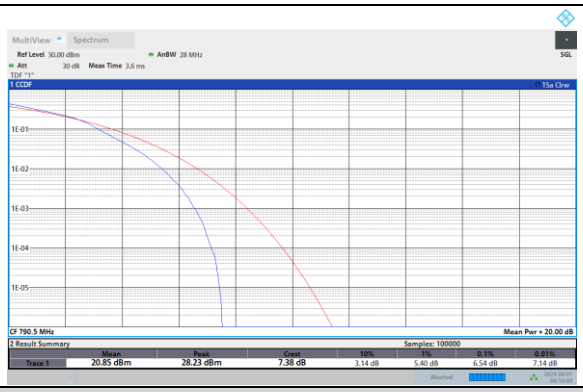


Band14-5MHz-16QAM-23330-1RB#0



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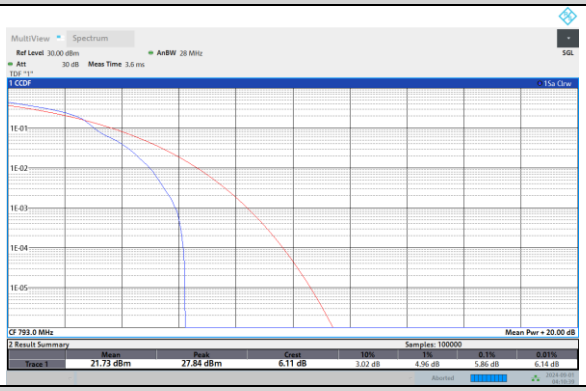

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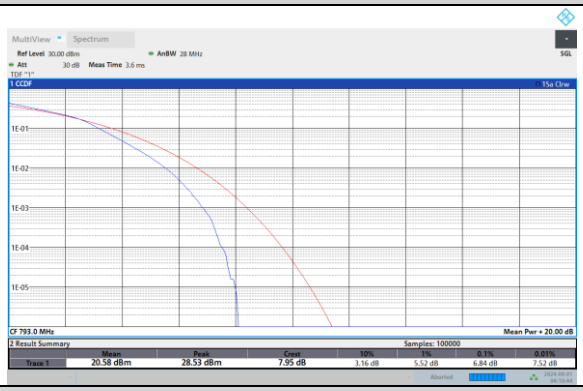

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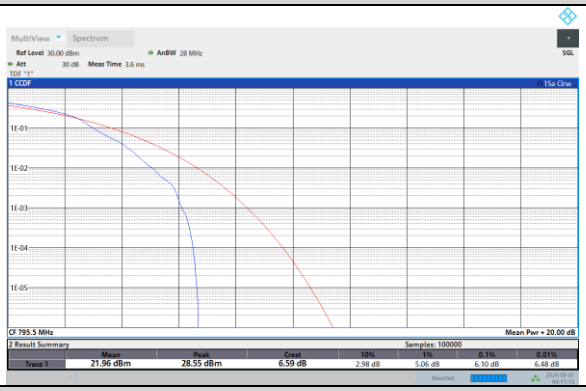
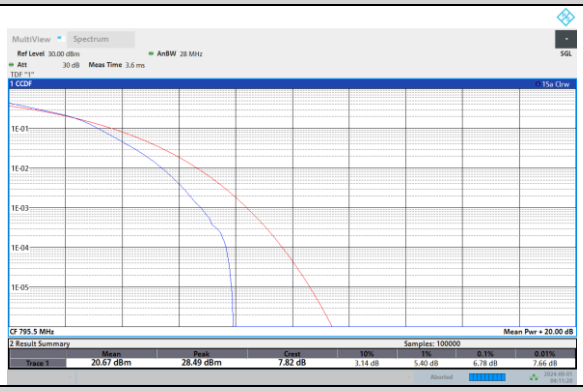


Band14-5MHz-64QAM-23305-1RB#0



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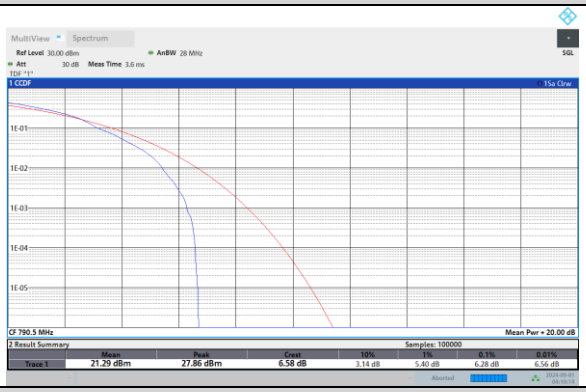

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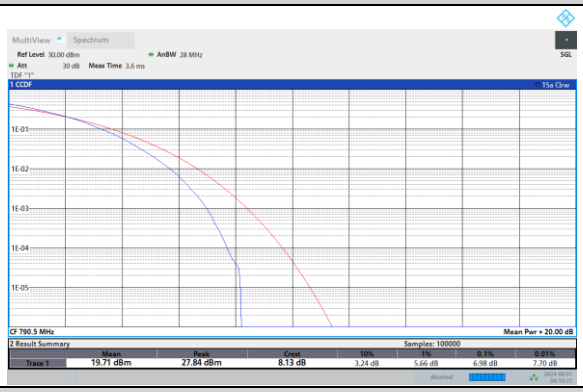

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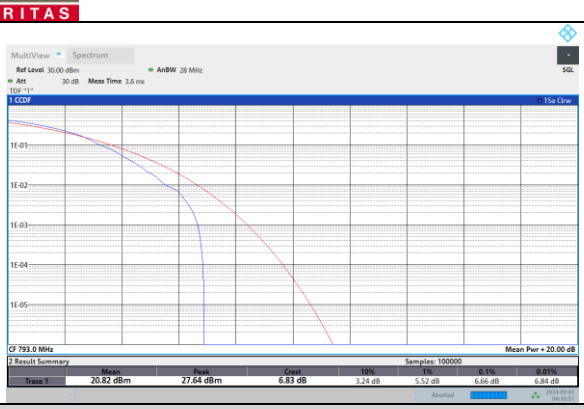

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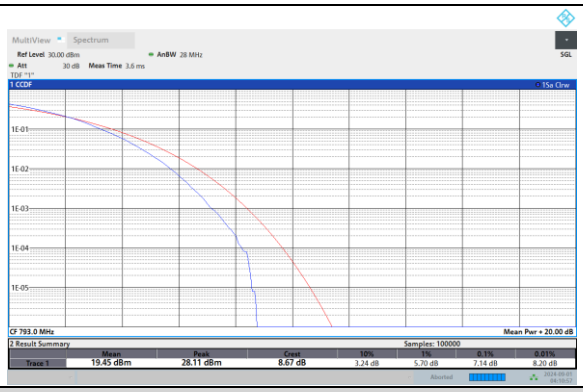

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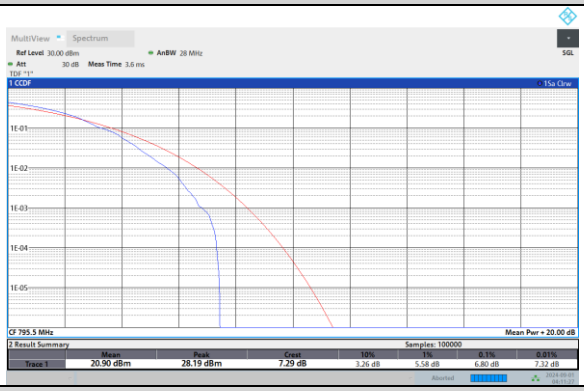
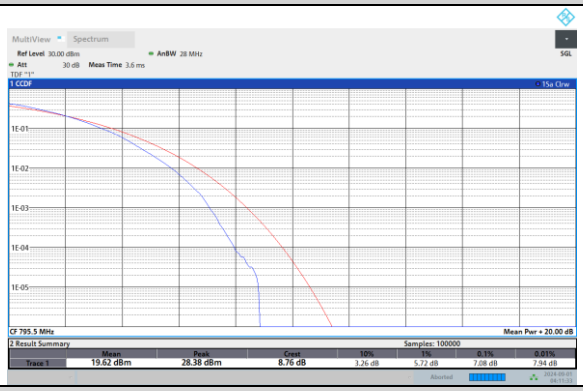


Band14-10MHz-QPSK-23330-1RB#0



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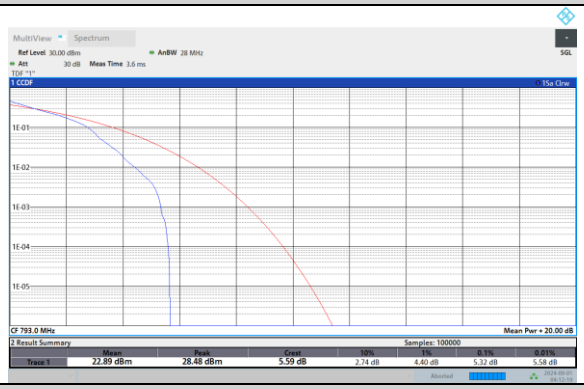

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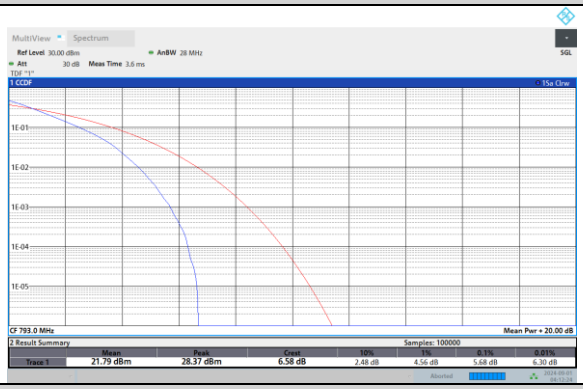

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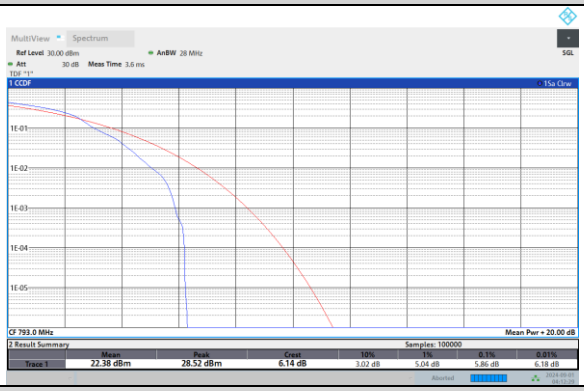

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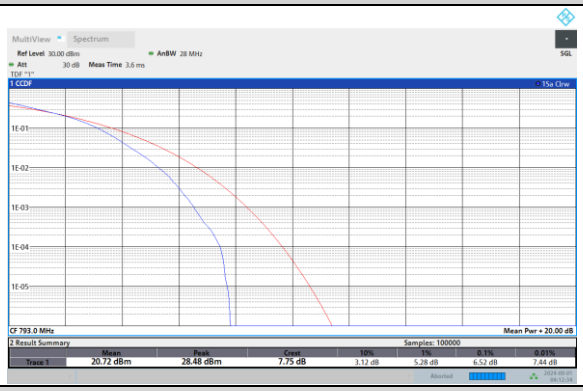
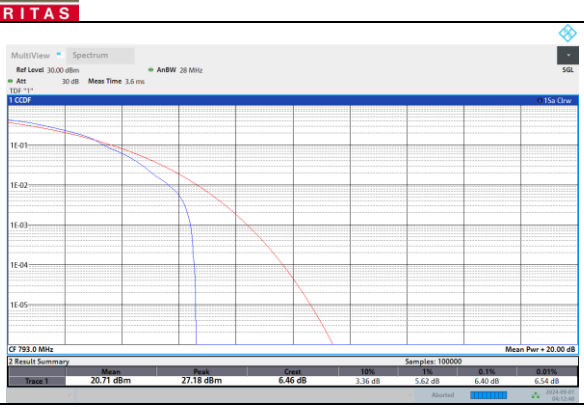
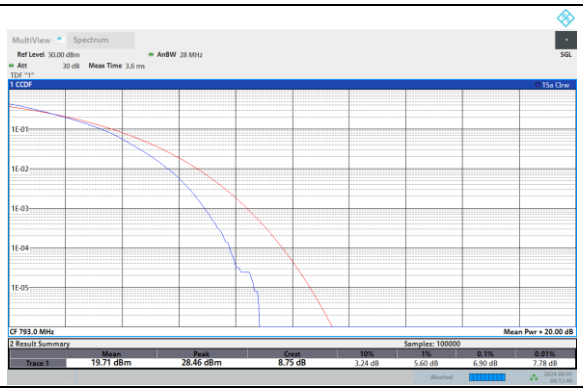


Band14-10MHz-64QAM-23330-6RB#0


MultiView
Spectrum
Ref Level 30.00 dBm
AnBW 28 MHz
Att 30 dB
Meas Time 3.6 ms
SGL
TDF "1"
1 CCDF
15a Clrw
1E-01
1E-02
1E-03
1E-04
1E-05
CF 793.0 MHz
Mean Pwr + 20.00 dB
2 Result Summary
Samples: 100000
Mean
Peak
Crest
10%
1%
0.1%
0.01%
Trace 1
20.71 dBm
27.18 dBm
6.46 dB
3.36 dB
5.62 dB
6.40 dB
6.54 dB
Aborted


MultiView
Spectrum
Ref Level 30.00 dBm
AnBW 28 MHz
Att 30 dB
Meas Time 3.6 ms
SGL
TDF "1"
1 CCDF
15a Clrw
1E-01
1E-02
1E-03
1E-04
1E-05
CF 793.0 MHz
Mean Pwr + 20.00 dB
2 Result Summary
Samples: 100000
Mean
Peak
Crest
10%
1%
0.1%
0.01%
Trace 1
19.71 dBm
28.46 dBm
8.75 dB
3.24 dB
5.60 dB
6.90 dB
7.78 dB
Aborted

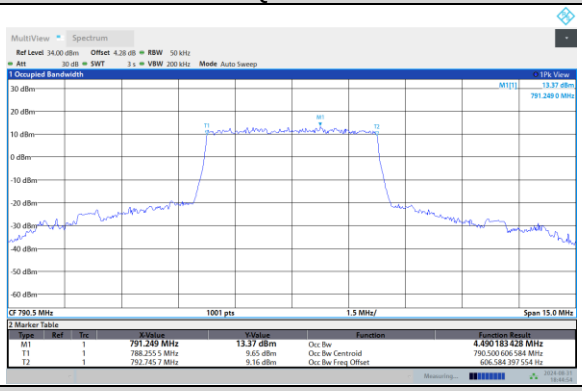
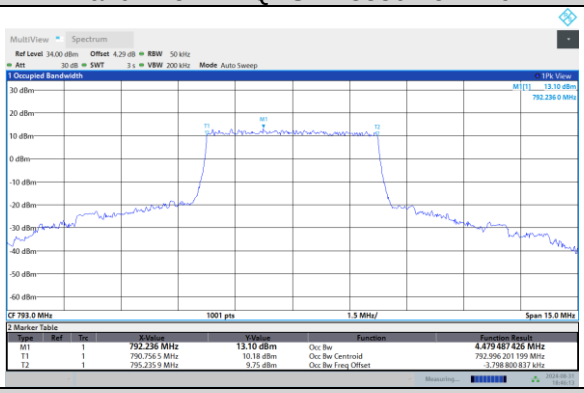
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.490	4.96	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.479	4.92	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.471	4.90	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.474	4.86	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.484	4.93	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.481	4.95	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.475	4.90	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.484	4.93	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.473	4.90	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.944	9.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.938	9.65	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.929	9.68	PASS

Test Graphs

Occupied Bandwidth

Band14-5MHz-QPSK-23305-25RB#0	Band14-5MHz-QPSK-23330-25RB#0
	
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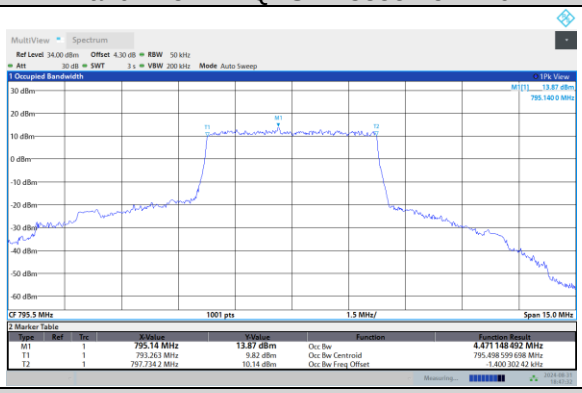	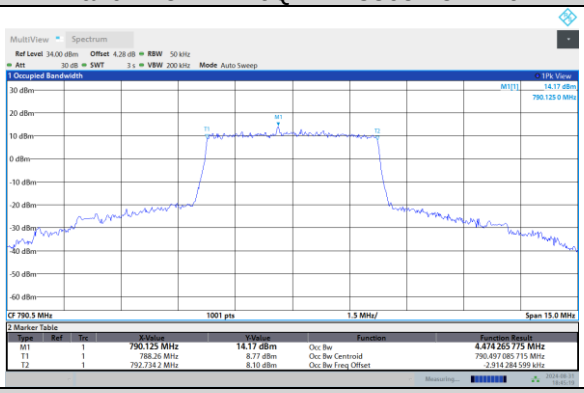
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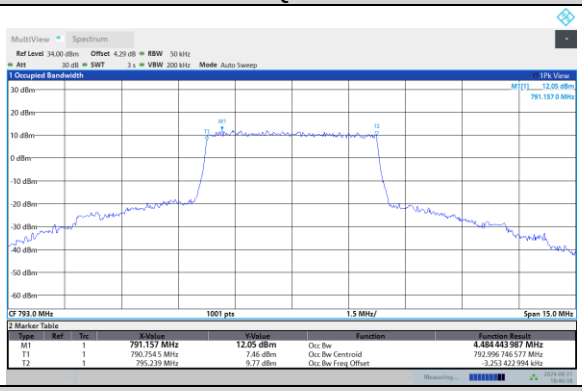	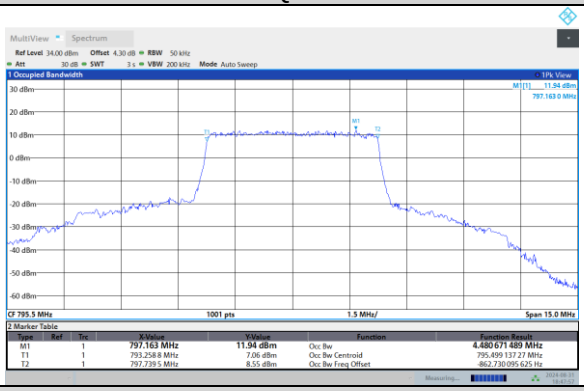
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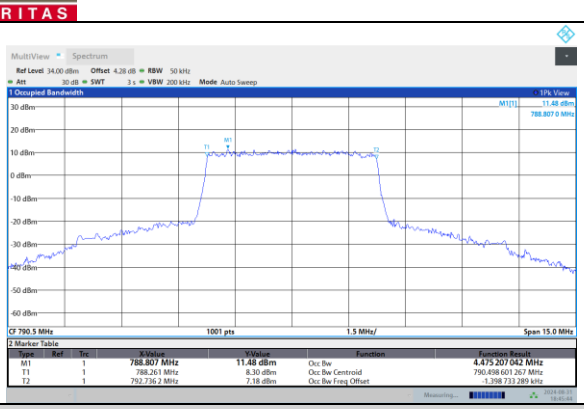

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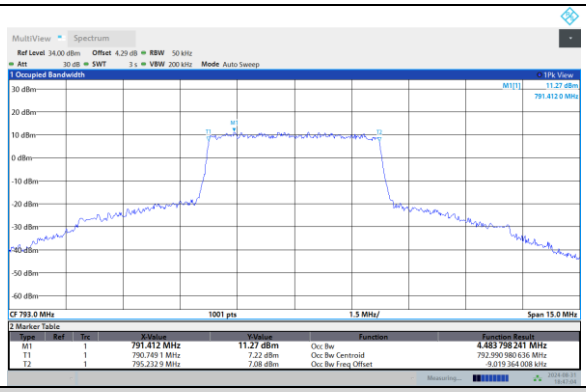
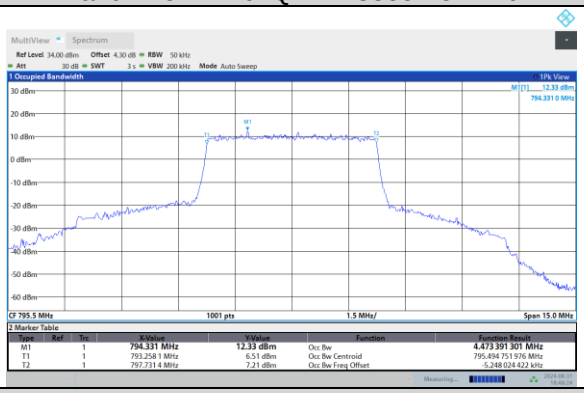


Band14-10MHz-QPSK-23330-50RB#0



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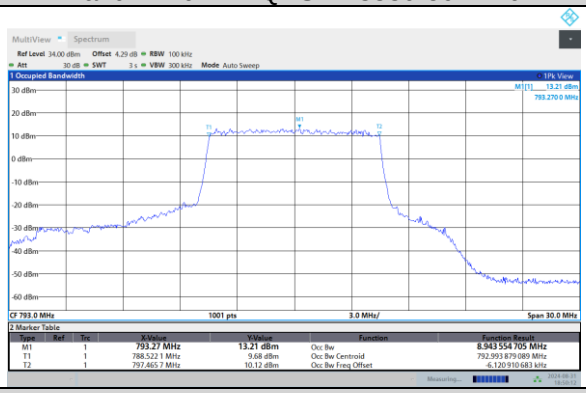
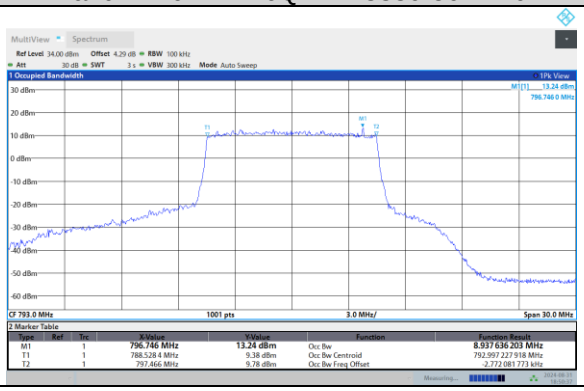
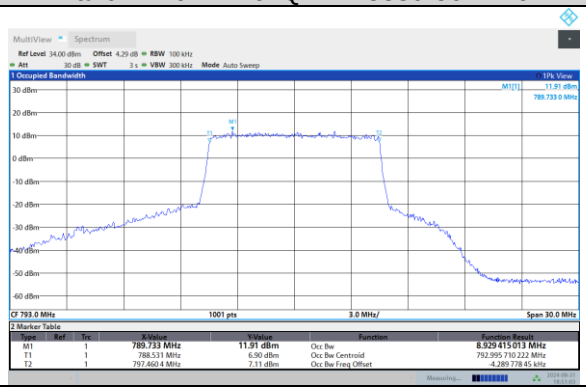


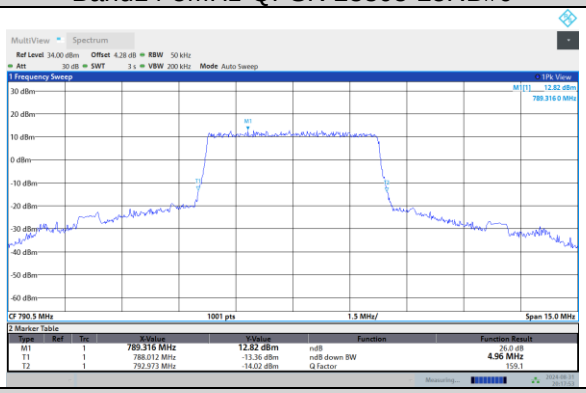
Band14-10MHz-64QAM-23330-50RB#0



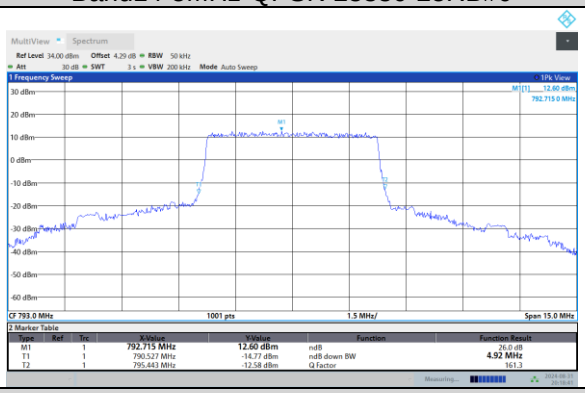


26dB Bandwidth

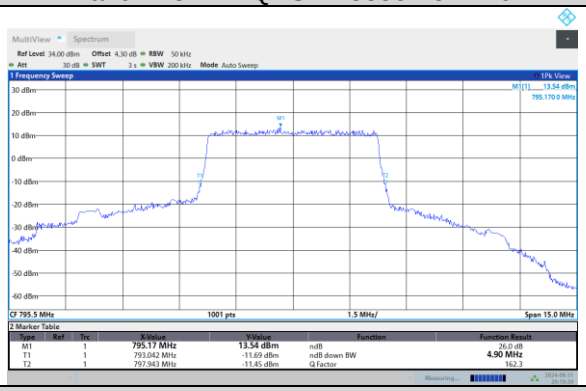
Band14-5MHz-QPSK-23305-25RB#0



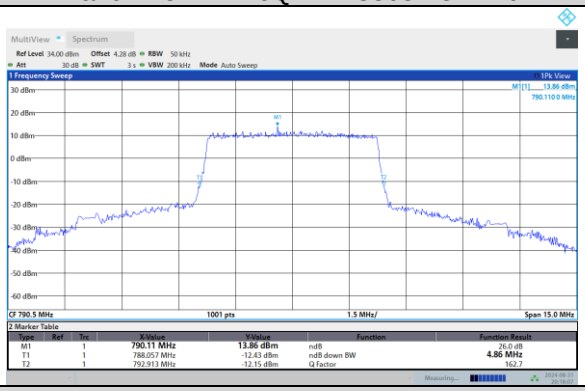
Band14-5MHz-QPSK-23330-25RB#0



Band14-5MHz-QPSK-23355-25RB#0



Band14-5MHz-16QAM-23305-25RB#0



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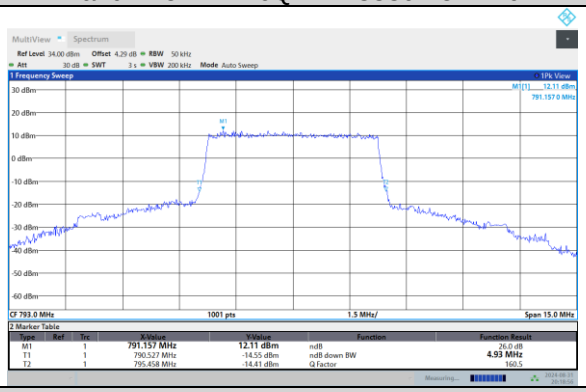

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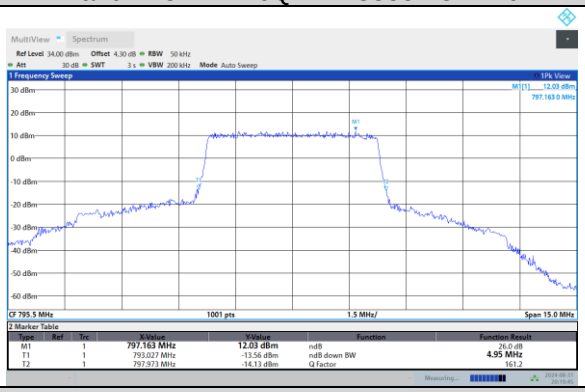
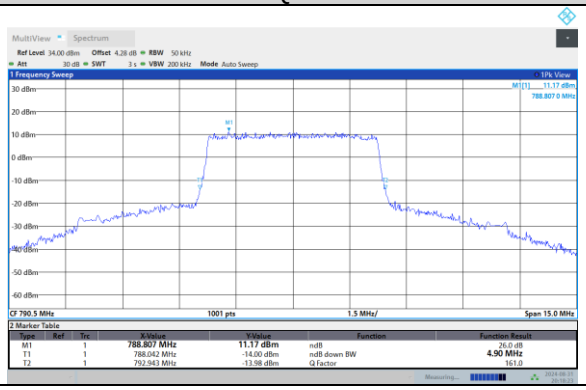
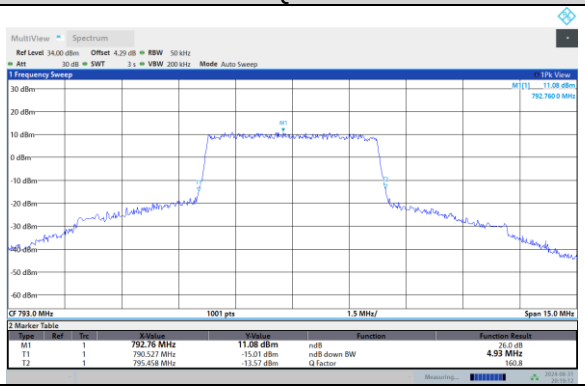
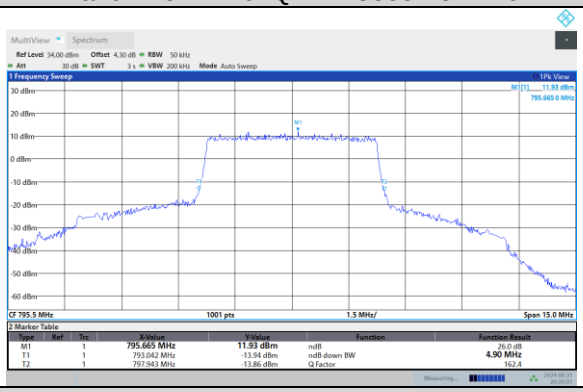
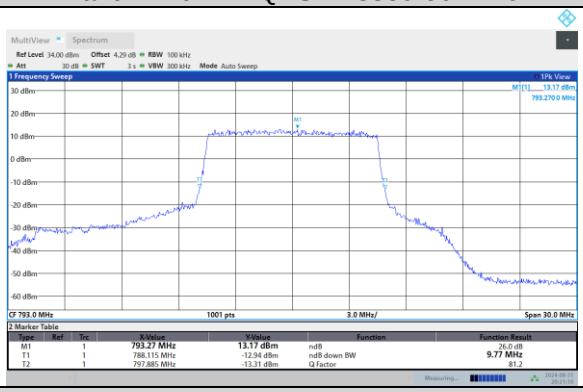
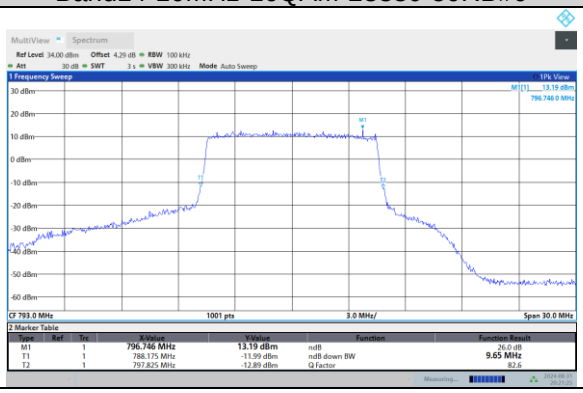
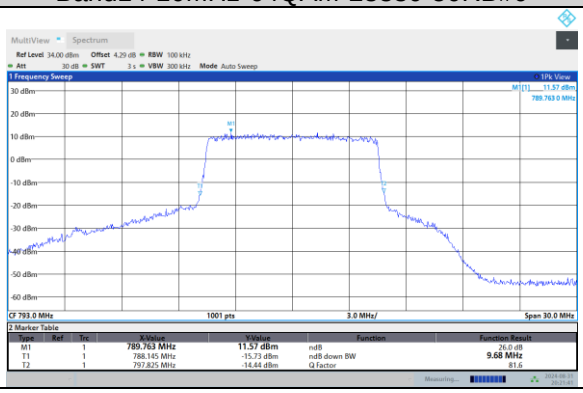


Band14-5MHz-64QAM-23305-25RB#0



Band14-5MHz-64QAM-23330-25RB#0



Band14-5MHz-64QAM-23355-25RB#0	Band14-10MHz-QPSK-23330-50RB#0
	
Band14-10MHz-16QAM-23330-50RB#0	**Band14-10MHz-64QAM-23330-50RB#0**
	

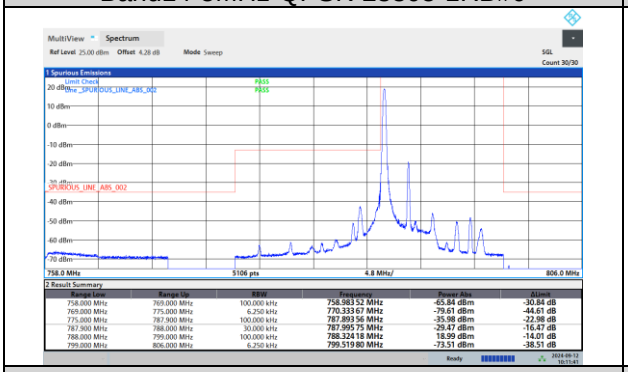
BAND EDGE

Test Result

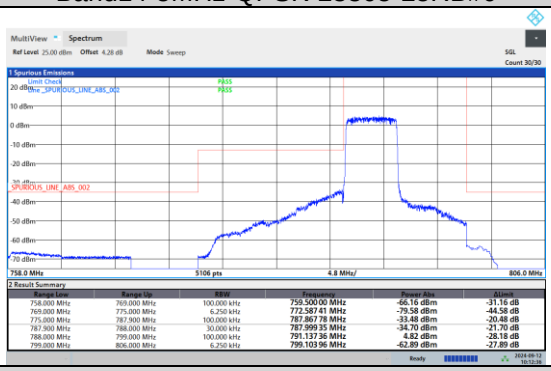
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	See Graph	PASS
Band14	5MHz	QPSK	23305	25RB#0	See Graph	PASS
Band14	5MHz	QPSK	23355	1RB#24	See Graph	PASS
Band14	5MHz	QPSK	23355	25RB#0	See Graph	PASS
Band14	5MHz	16QAM	23305	1RB#0	See Graph	PASS
Band14	5MHz	16QAM	23305	25RB#0	See Graph	PASS
Band14	5MHz	16QAM	23355	1RB#24	See Graph	PASS
Band14	5MHz	16QAM	23355	25RB#0	See Graph	PASS
Band14	5MHz	64QAM	23305	1RB#0	See Graph	PASS
Band14	5MHz	64QAM	23305	25RB#0	See Graph	PASS
Band14	5MHz	64QAM	23355	1RB#24	See Graph	PASS
Band14	5MHz	64QAM	23355	25RB#0	See Graph	PASS
Band14	10MHz	QPSK	23330	1RB#0	See Graph	PASS
Band14	10MHz	QPSK	23330	1RB#49	See Graph	PASS
Band14	10MHz	QPSK	23330	50RB#0	See Graph	PASS
Band14	10MHz	16QAM	23330	1RB#0	See Graph	PASS
Band14	10MHz	16QAM	23330	1RB#49	See Graph	PASS
Band14	10MHz	16QAM	23330	50RB#0	See Graph	PASS
Band14	10MHz	64QAM	23330	1RB#0	See Graph	PASS
Band14	10MHz	64QAM	23330	1RB#49	See Graph	PASS
Band14	10MHz	64QAM	23330	50RB#0	See Graph	PASS

Test Graphs

Band14-5MHz-QPSK-23305-1RB#0



Band14-5MHz-QPSK-23305-25RB#0



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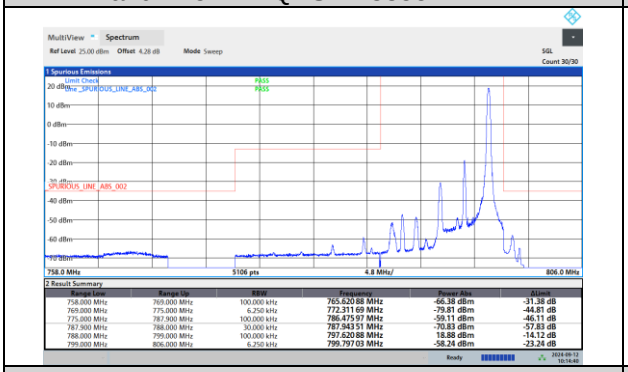
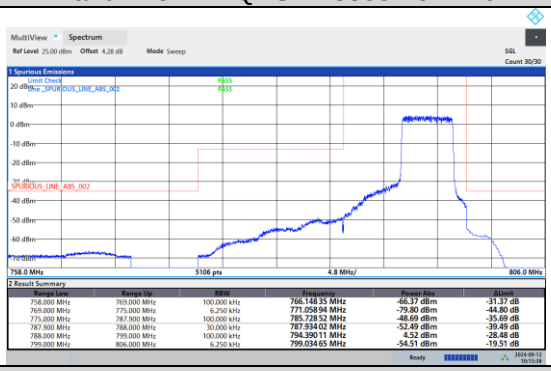


Band14-5MHz-QPSK-23355-25RB#0



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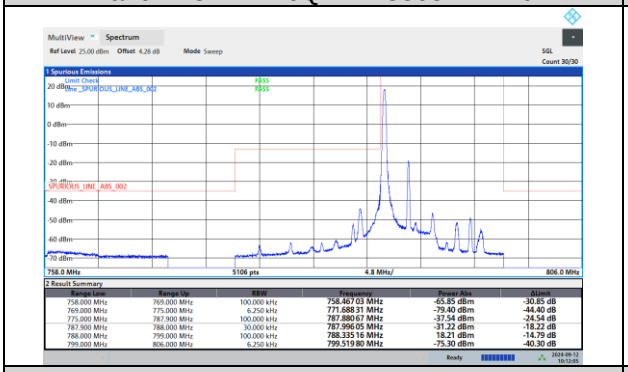

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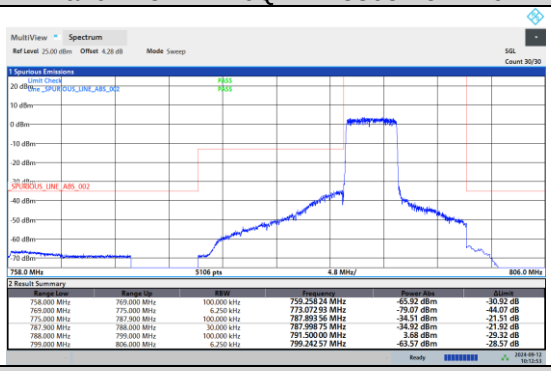
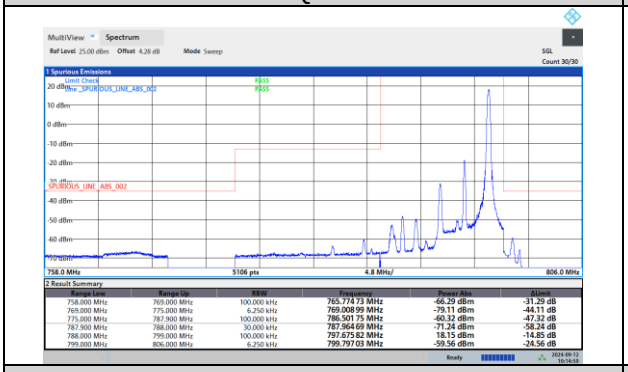
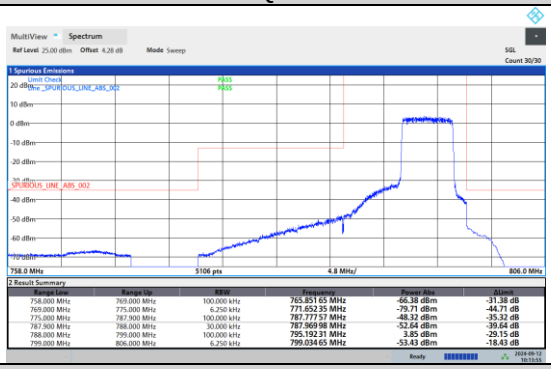


Band14-5MHz-16QAM-23355-1RB#24

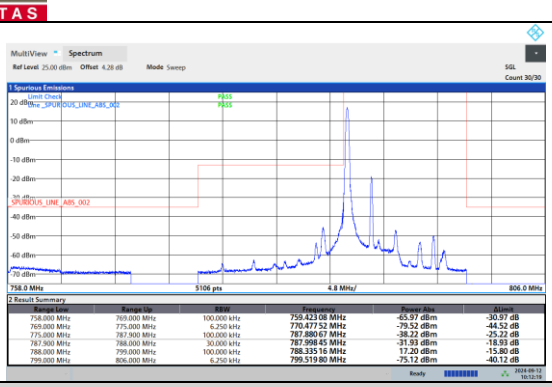


Band14-5MHz-16QAM-23355-25RB#0

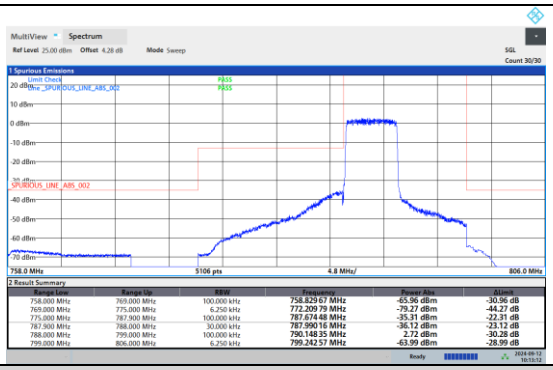


Band14-5MHz-64QAM-23305-1RB#0

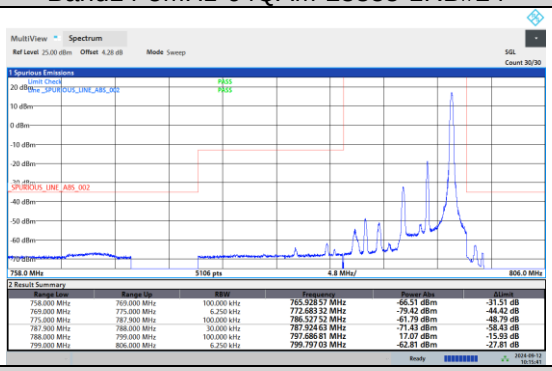
Band14-5MHz-64QAM-23305-25RB#0



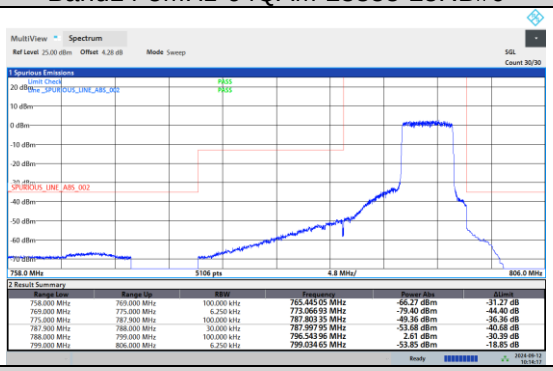
Band14-5MHz-64QAM-23355-1RB#24



Band14-5MHz-64QAM-23355-25RB#0



Band14-10MHz-QPSK-23330-1RB#0



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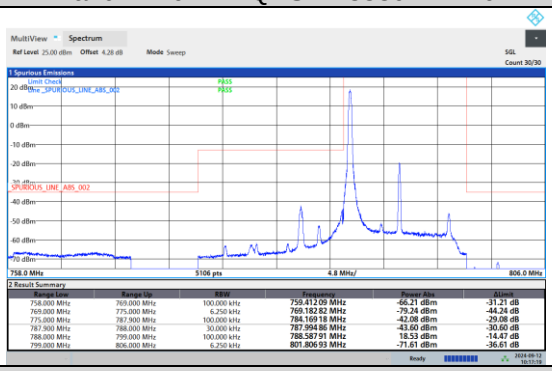
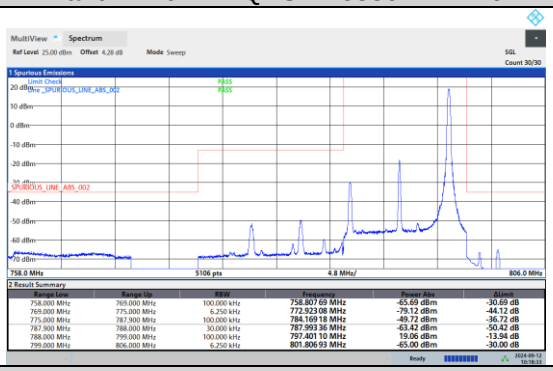
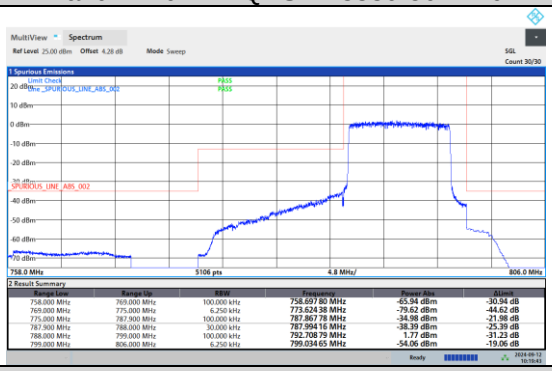


Band14-10MHz-QPSK-23330-50RB#0



Band14-10MHz-16QAM-23330-1RB#0



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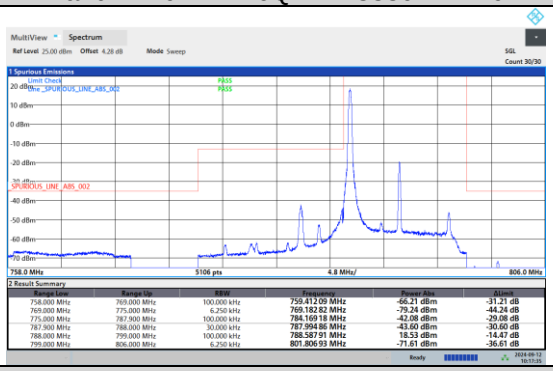
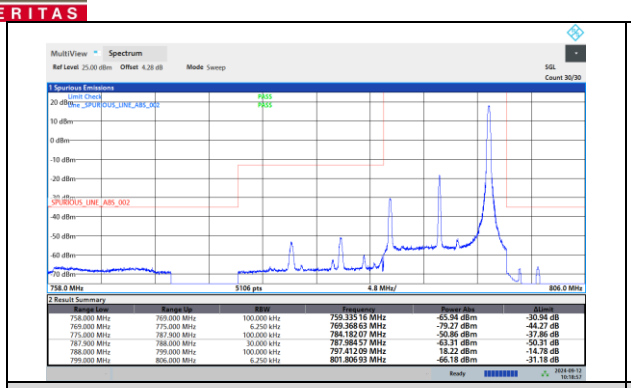


Band14-10MHz-16QAM-23330-50RB#0



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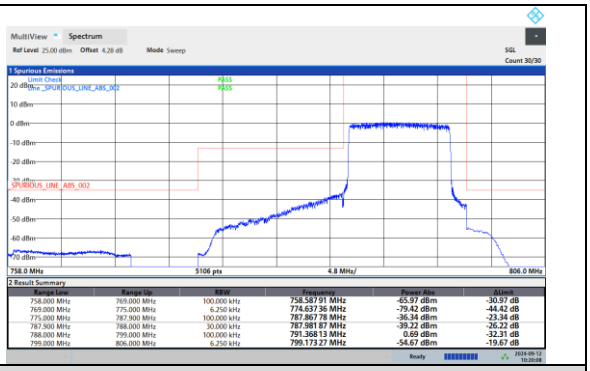

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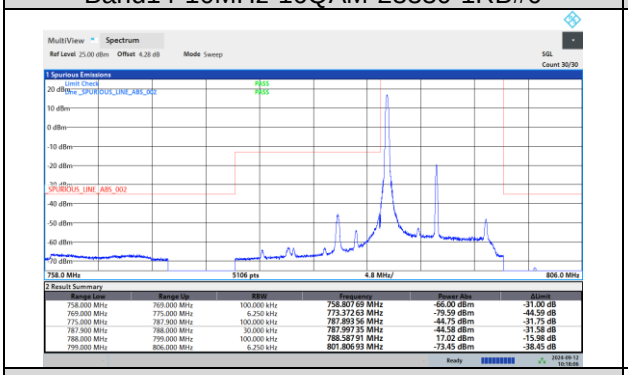

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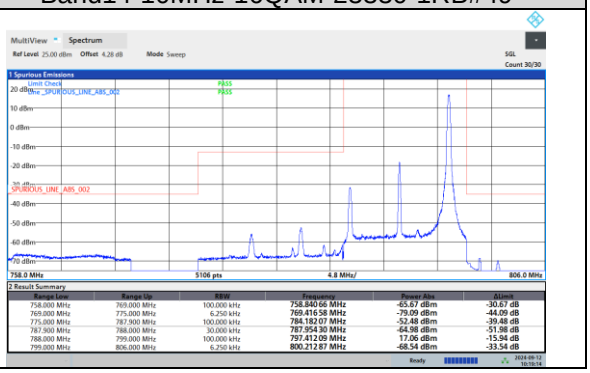
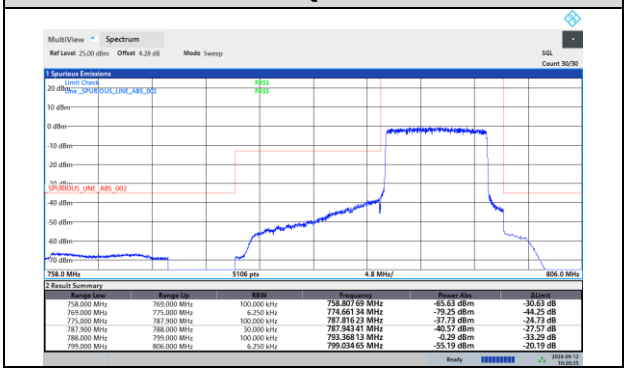


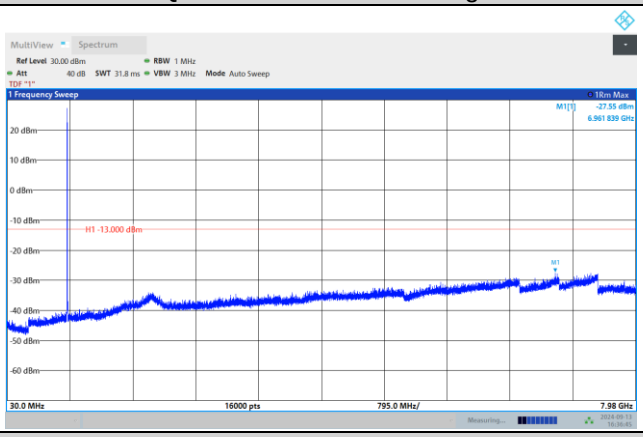
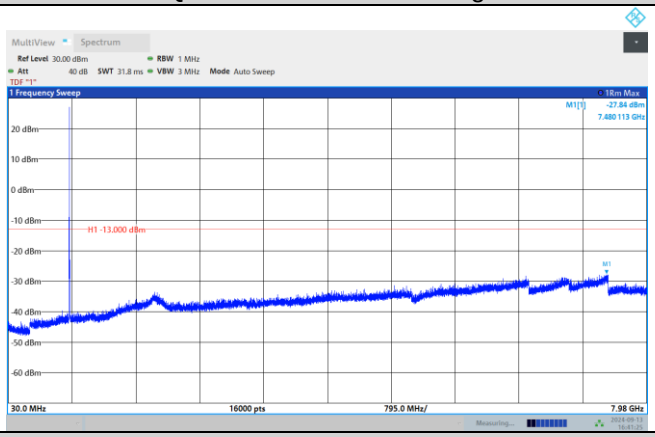


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	QPSK	23330	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	QPSK	23355	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	16QAM	23305	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	16QAM	23330	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	16QAM	23355	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	64QAM	23305	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	64QAM	23330	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	5MHz	64QAM	23355	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	10MHz	QPSK	23330	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	10MHz	16QAM	23330	1RB#0	Range:30~7870MHz	See Graph	PASS
Band14	10MHz	64QAM	23330	1RB#0	Range:30~7870MHz	See Graph	PASS

Test Graphs

Band14-5MHz-QPSK-23305-1RB#0-Range:30~7870MHz	Band14-5MHz-QPSK-23330-1RB#0-Range:30~7870MHz
	
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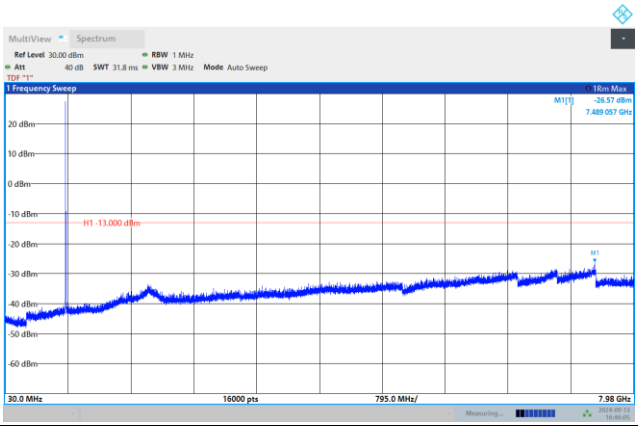	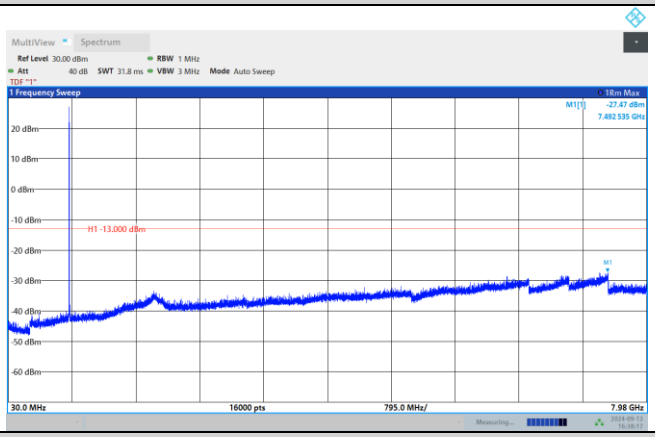
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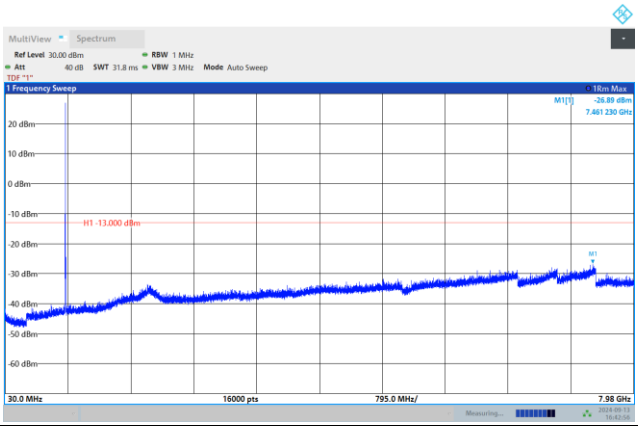	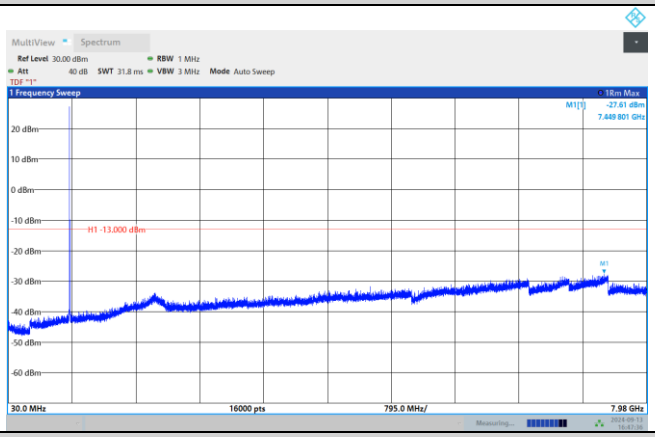
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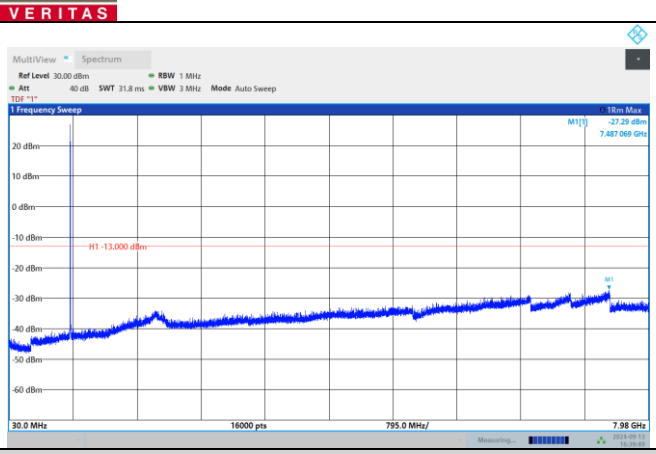

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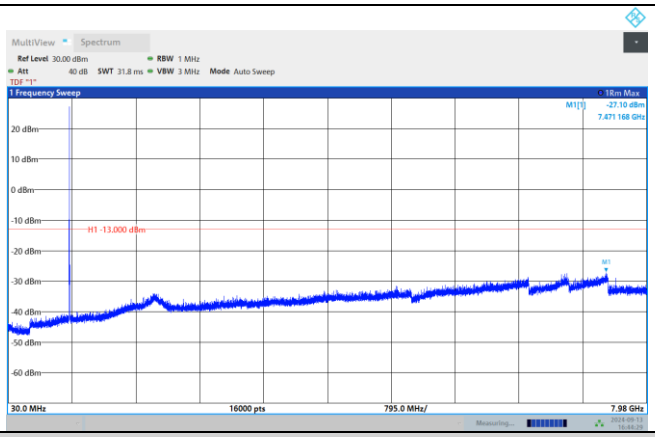

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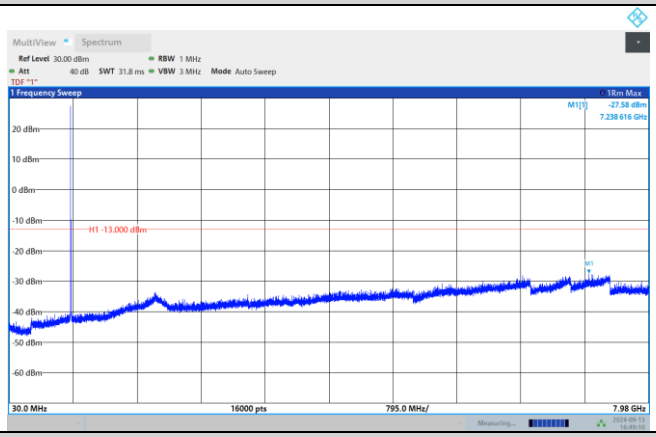
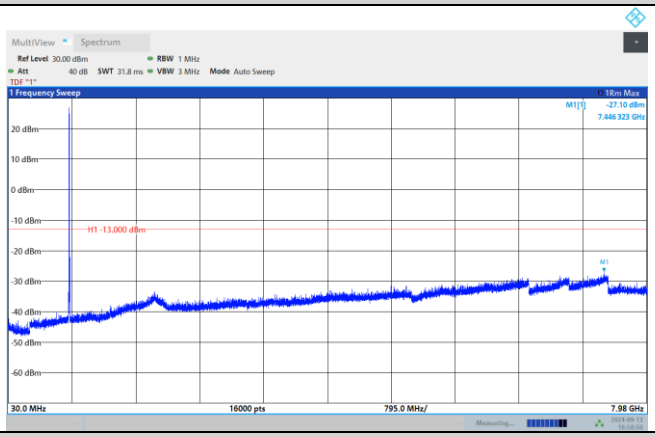
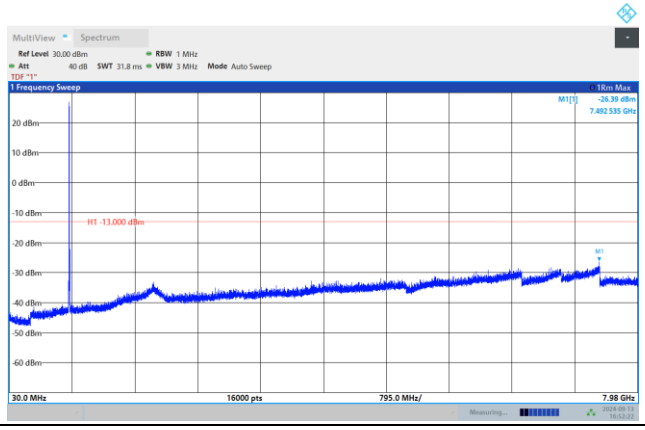
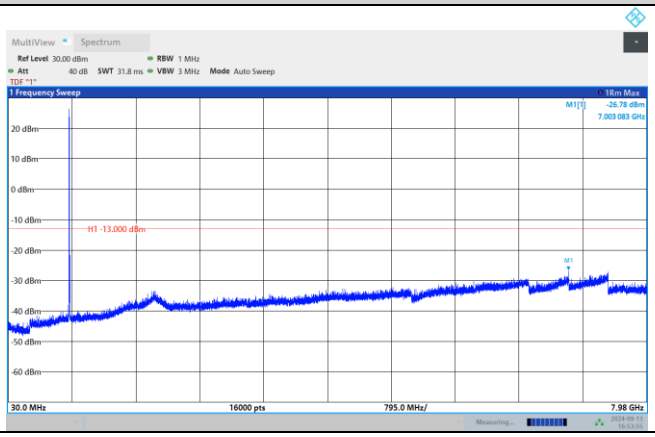


Band14-10MHz-16QAM-23330-1RB#0-Range:30~7870MHz



Band14-10MHz-64QAM-23330-1RB#0-Range:30~7870MHz