ACCREDITED
Certificate # 7607.01

FCC TEST REPORT

(PART 27)

Applicant:	KYOCERA Corporation
Address:	Yokohama Office 2-1-1 Kagahara,Tsuzuki-ku Yokohama-shi,Kanagawa,Japan

Manufacturer or Supplier:	KYOCERA Corporation
Address:	Yokohama Office 2-1-1 Kagahara,Tsuzuki-ku Yokohama-shi,Kanagawa,Japan
Product:	Mobile Phone
Brand Name:	KYOCERA
Model Name:	EB1236
FCC ID:	JOYEB1236
Date of tests:	May. 13, 2026 - Jul. 02, 2026

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

☒ **FCC Part 2** ☒ **FCC Part 27** ☒ **ANSI/TIA/EIA-603-D**	☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

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

Prepared by Carl Xie Engineer / Mobile Department	Approved by Simon Wang Manager / Mobile Department
Carl Xie	Simon Wang
Date: Jul. 02, 2026	Date: Jul. 02, 2026

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.

BOOMWAVE TEST (SHENZHEN) CO., LTD.
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

TABLE OF CONTENTS

RELEASE CONTROL RECORD **4**

1 SUMMARY OF TEST RESULTS **5**

1.1 MEASREMENT UNCERTAINTY 6
1.2 TEST SITE AND INSTRUMENTS 7

2 GENERAL INFORMATION **9**

2.1 GENERAL DESCRIPTION OF EUT 9
2.2 CONFIGURATION OF SYSTEM UNDER TEST 11
2.3 DESCRIPTION OF SUPPORT UNITS 12
2.4 TEST ITEM AND TEST CONFIGURATION 12
2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS 14

3 TEST TYPES AND RESULTS **15**

3.1 OUTPUT POWER MEASUREMENT 15
3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT 15
3.1.2 TEST PROCEDURES 15
3.1.3 TEST SETUP 16
3.1.4 TEST RESULTS 17
3.2 FREQUENCY STABILITY MEASUREMENT 19
3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT 19
3.2.2 TEST PROCEDURE 19
3.2.3 TEST SETUP 19
3.2.4 TEST RESULTS 20
3.3 OCCUPIED BANDWIDTH MEASUREMENT 21
3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT 21
3.3.2 TEST SETUP 21
3.3.3 TEST PROCEDURES 21
3.3.4 TEST RESULTS 22
3.4 BAND EDGE MEASUREMENT 23
3.4.1 LIMITS OF BAND EDGE MEASUREMENT 23
3.4.2 TEST SETUP 24
3.4.3 TEST PROCEDURES 25
3.4.4 TEST RESULTS 25
3.5 CONDUCTED SPURIOUS EMISSIONS 26
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT 26
3.5.2 TEST PROCEDURE 26
3.5.3 TEST SETUP 26
3.5.4 TEST RESULTS 27
3.6 RADIATED EMISSION MEASUREMENT 28
3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT 28
3.6.2 TEST PROCEDURES 28
3.6.3 DEVIATION FROM TEST STANDARD 28
3.6.4 TEST SETUP 29
3.6.5 TEST RESULTS 31
3.6.6 PEAK TO AVERAGE RATIO 41
3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT 41
3.7.2 TEST SETUP 41
3.7.3 TEST PROCEDURES 41
3.7.4 TEST RESULTS 41

4 PHOTOGRAPHS OF THE TEST CONFIGURATION **42**

5 INFORMATION ON THE TESTING LABORATORIES **43**

6 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB 44

7 APPENDIX: 45

26DB BANDWIDTH AND OCCUPIED BANDWIDTH 45
Test Result 45
Test Graphs 46
BAND EDGE 48
Test Result 48
Test Graphs 49
CONDUCTED SPURIOUS EMISSION 54
Test Result 54
Test Graphs 55

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF260626B005	Original release	Jul. 02, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**TEST LAB***
§2.1046	Conducted Output Power	Compliance	A
§27.50(h)(2) §27.50(d)(4)	Equivalent Isotropically Radiated Power (Band 41C)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Conducted Band Edge Measurements (Band 41C)	Compliance	A
§2.1051 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Conducted Spurious Emissions (Band 41C)	Compliance	A
§2.1053 §27.53(g) §27.53(h) §27.53(m)(4)(6)	Radiated Spurious Emissions (Band 41C)	Compliance	A
NA	Peak to average ratio	Compliance	A

***Test Lab Information Reference**

***Test Lab Information Reference**

Lab A:

BOOMWAVE TEST (SHENZHEN) CO., LTD.

Lab Address:

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

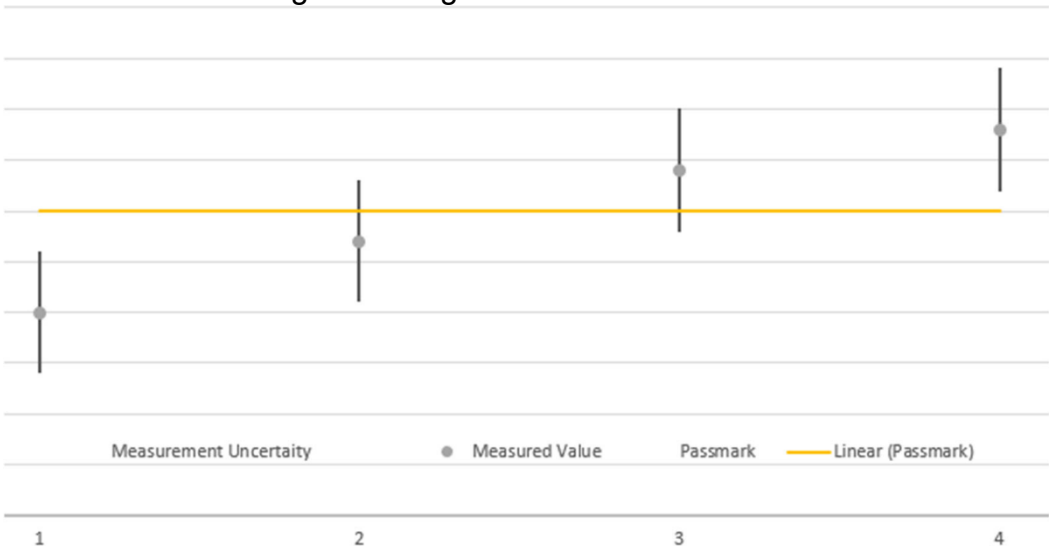
The FCC Site Registration No. is 646781; The Designation No. is CN1429.

1.1 MEASREMENT 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
Frequency Stability	±76.97Hz
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (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
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	2025/7/3	2027/7/2
BiConiLog Antenna	ETS-LINDGREN	3143B	161965	2025/7/17	2027/7/16
Horn Antenna	SCHWARZBECK	BBHA9120D	3297	2025/9/27	2027/9/26
Horn Antenna	STEATITE	QWH-SL-18-40-K-SG QMS-00361	15433	2025/7/19	2027/7/18
Preamplifier	Tonscend	TPA184045	AP24L8060388	2025/7/3	2027/7/2
MXE EMI Receiver	keysight	N9038B	MY50018017	2025/7/1	2027/6/30
MXG Vector Signal Generator	Keysight	N5183B	MY59100137	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA001330	806JSAPO40804251015	2025/6/30	2027/6/29
Preamplifier	Tonscend	TPA011845	AP24L8060392	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927166	2025/6/30	2027/6/29
Attenuator 6DB	SHX	TS2-6-6-A	230927165	2025/6/30	2027/6/29
Active Receive Loop Antenna	SCHWARZBECK	FMZB 1519 B	00173	2025/6/30	2027/6/29
Temp. & Humi. Recorder	Kejian	HTC-01	157246	2025/7/2	2027/7/1
HIGH pass FILTER_1-18	EWT	EWT-57-0222	EWT-57-0222	2025/6/30	2027/6/29
HIGH pass FILTER_7-18	EWT	EWT-57-0223	EWT-57-0223	2025/6/30	2027/6/29
HIGH pass FILTER_3-18	EWT	EWT-57-0221	EWT-57-0221	2025/6/30	2027/6/29
DC~1GHz Lowpass Filter	EWT	EWT-56-0649	EWT-56-0649	2025/7/3	2027/7/2
Cable 1	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 2	N/A	N/A	N/A	2025/9/28	2027/9/27
Cable 3	N/A	N/A	N/A	2025/9/28	2027/9/27
Wireless communication integrated tester	Rohde&Schwarz	CMW500	182016	2025/6/30	2027/6/29
EXA Signal Analyzer	KEYSIGHT	N9010B	MY62170156	2025/6/30	2027/6/29
RF Control Unit	Tonscend	JS0806-1	21K8060504	2025/6/16	2027/6/15
DC Power Supply	AGILENT	HMP2020	100598	2025/7/1	2027/6/30
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-1	2025/6/30	2027/6/29
10dB attenuator	JFW INDUSTRIES INC	50HF-010-SMA	50HF-010-SMA-2	2025/6/30	2027/6/29
hygrothermograph	Anymetrers	----	TH101B	2025/7/22	2027/7/21
Temperature Box	zhongkemeiqi	MA22040172	MQ-DTH50F-2	2025/7/1	2027/6/30
power divider	WOKEN	71688	204-003180-01	2025/6/30	2027/6/29

NOTE:

1. The calibration interval of the above test instruments is 24 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 646781; The Designation No. is CN1429.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile Phone	
BRAND NAME	KYOCERA	
MODEL NAME	EB1236	
NOMINAL VOLTAGE	3.89Vdc	
MODULATION TECHNOLOGY	**LTE**	QPSK, 16QAM, 64QAM
FREQUENCY RANGE	**LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz**	2506MHz ~ 2680MHz
MAX. EIRP or EPR POWER	**LTE Band CA_41C Channel Bandwidth: 20M+20M**	255.86mW
EMISSION DESIGNATOR	**LTE Band CA_41C Channel Bandwidth: 20MHz+20MHz**	QPSK: 42M8G7D
		16QAM: 43M1W7D
		64QAM: 40M8W7D
ANTENNA GAI	☒Provided by client	
	LTE B41C	0.5dBi
ANTENNA TYPE	Monopole	
HW VERSION	DMT2	
SW VERSION	V0.252EX.0052.a	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-20℃-60℃	
EXTREME VOLTAGE	3.501V – 4.279V	

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and four receivers.

MODULATION MODE	TX FUNCTION
LTE	1TX/4RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.
5. For Band Edge and Emission Mask: The all BW combinations were tested.Combination pairs of the same BW are considered generally equivalent. The RB combinations were selected such that the signal is active closest to the band limit, as this is the worst case.
6. For Out of Band Emissions: The all combination was tested. The highest power RB combination was selected as worst case.
7. According to the Statement of differences provided by the applicant, the procurement of memory from multiple suppliers. EB1236 source MCP(ROM and RAM) from two different vendors each and use them interchangeably. MCP is procured from Micron and Samsung.

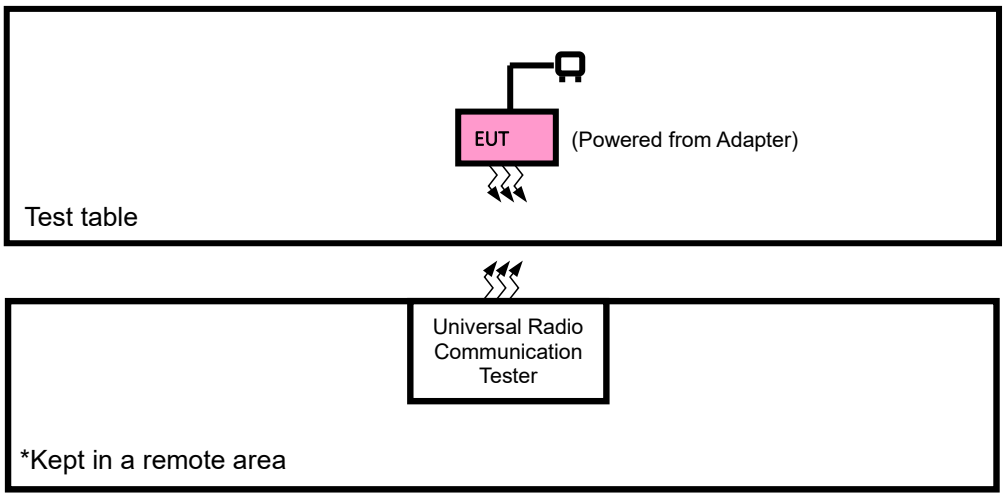
   MCP(ROM and RAM)

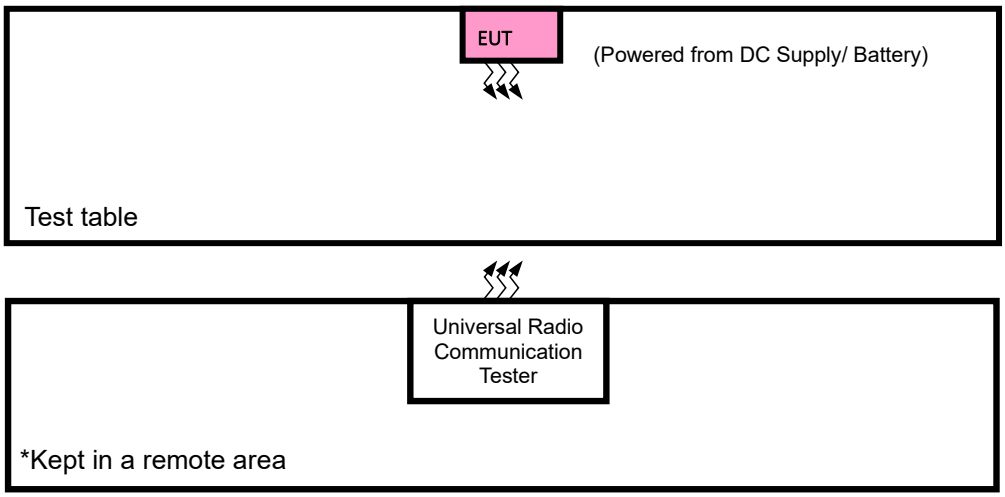
   Micron: MT30AZZZCD94TKXL-023 W.237

   Samsung: KM9YC001XM-B627

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	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A
2	Adapter	Juniper	MK-P301EXC	N/A	N/A
3	Earphone	Xiaomi	N/A	N/A	N/A

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

2.4 TEST ITEM AND TEST CONFIGURATION

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 was found when positioned on Y-plane for EIRP and X-axis for radiated emission. 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 + DC Supply with LTE link**

LTE BAND CA_41C MODE								
EUT CONFIGURE MODE	TEST ITEM	AVAILABLE PCC CHANNEL	AVAILABLE SCC CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(PCC)	MODE(SCC)
A	EIRP	39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM	1RB / 99RB Offset 1RB / 0RB Offset	1RB/ 0RB Offset
A	OCCUPIED BANDWIDTH	39750 to 41292	39948 to 41490	Low, Middle, High	20MHz +20MHz	QPSK, 16QAM, 64QAM	100RB/ 0RB Offset	75RB/ 0RB Offset
A	BAND EDGE	39750 to 41292	39948 to 41490	Low	20MHz+20MHz	QPSK, 16QAM,	1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
				High	20MHz+20MHz		1RB/ 0RB Offset	1RB/ 99RB Offset
							1RB/ 99RB Offset	1RB/ 0RB Offset
							100RB/ 0RB Offset	100RB/ 0RB Offset
A	CONDUCTED EMISSION	39750 to 41292	39948 to 41490	Low, Middle, High	20MHz+20MHz	QPSK, 16QAM	1RB/ 99RB Offset	1RB/ 0RB Offset
A	RADIATED EMISSION	39750 to 41292	39948 to 41490	Middle	20MHz+20MHz	QPSK	1RB / 99RB Offset	1RB/ 0RB 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&EIRP	23deg. C, 70%RH	DC3.89V by Battery	Carl Xie
FREQUENCY STABILITY	23deg. C, 70%RH	DC3.89V by Battery	Alan Yu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC3.89V by Battery	Alan Yu
BAND EDGE	23deg. C, 70%RH	DC3.89V by Battery	Alan Yu
CONDUCTED EMISSION	23deg. C, 70%RH	DC3.89V by Battery	Alan Yu
RADIATED EMISSION	23deg. C, 70%RH	DC3.89V by Battery	Carl Xie
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC3.89V by Battery	Alan Yu

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 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

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

The radiated peak output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.”

According to the specific rule Part 27.50(c)(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to the specific rule Part 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

3.1.2 TEST PROCEDURES

EIRP 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);

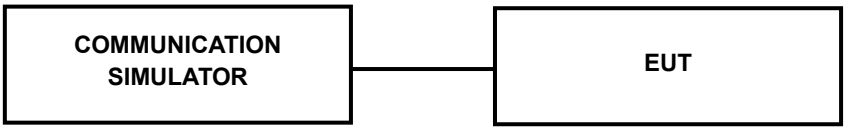
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

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 CA_41C

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Total RB Size
					RB Size	RB offset	RB Size	RB offset	
39750	2506	39948	2525.8	QPSK	1	99	1	0	1
				16QAM	1	99	1	0	1
				64QAM	1	99	1	0	1
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	1
				16QAM	1	99	1	0	1
				64QAM	1	99	1	0	1
41292	2660.2	41490	2680	QPSK	1	99	1	0	1
				16QAM	1	99	1	0	1
				64QAM	1	99	1	0	1

EIRP/ERP

CA_41C

CA_41C_Ant 0													
Combination 20MHz+20MHz (100RB+100RB)													
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit（W）
					RB Size	RB offset	RB Size	RB offset					
39750	2506	39948	2525.8	QPSK	1	99	1	0	23.41	0.50	23.91	246.04	2
				16QAM	1	99	1	0	22.47	0.50	22.97	198.15	2
				64QAM	1	99	1	0	21.41	0.50	21.91	155.24	2
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	**23.58**	0.50	24.08	255.86	2
				16QAM	1	99	1	0	22.75	0.50	23.25	211.35	2
				64QAM	1	99	1	0	21.74	0.50	22.24	167.49	2
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.28	0.50	23.78	238.78	2
				16QAM	1	99	1	0	22.25	0.50	22.75	188.36	2
				64QAM	1	99	1	0	21.38	0.50	21.88	154.17	2

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dBm)

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

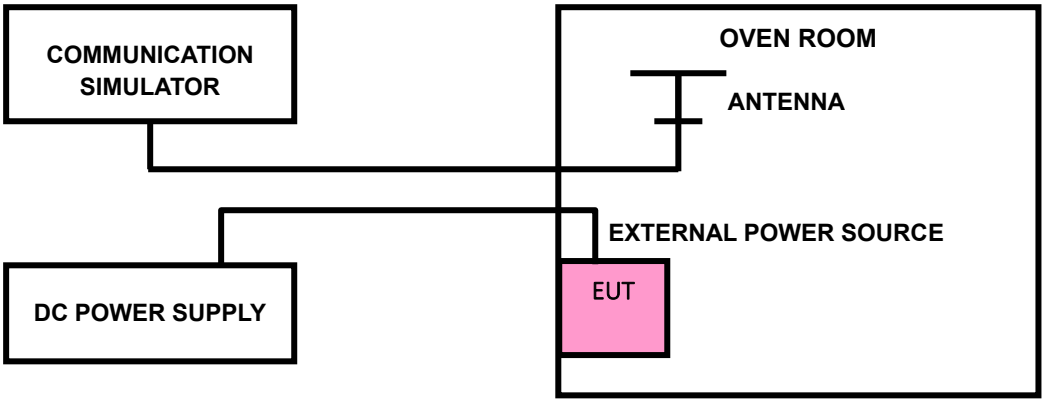
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

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

LTE BAND CA_41C

LTE BAND CA_41C channel and Frequency List					
BW(MHz)	**Channel/Frequcncy(MHz)**		**Lowest**	**Middle**	**Highest**
20+20	PCC	channel	39750	40521	41292
		Frequcncy	2506	2583.1	2660.2
	SCC	channel	39948	40719	41490
		Frequcncy	2525.8	2602.9	2680

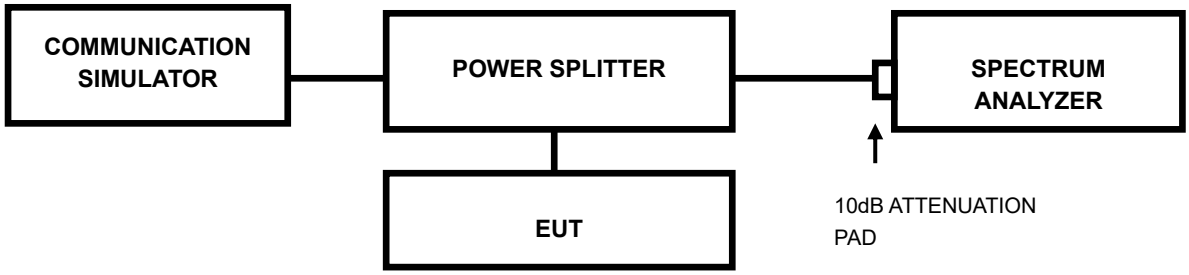
Note: VL = Low voltage(3.501V); VN/NV = Normal voltage(3.89V); VH = High voltage(4.279V);
NT = Normal temperature (25℃)

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 BAND EDGE MEASUREMENT

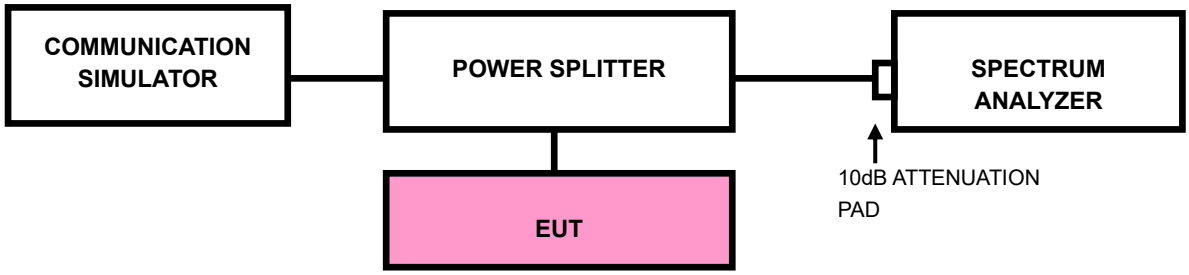
3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC 27.53(g) specified that For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a 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, by at least 43 + 10 log (P) dB. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC 27.53(h) specified that For operations in the 1710-1755 MHz band, the power of any emission outside a 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, by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to FCC 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent 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

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13dBm.

For: LTE Band7C/Band41C

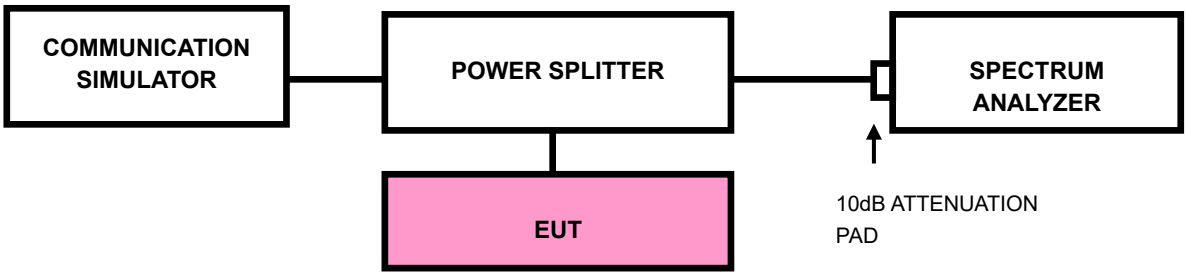
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 55 +10 log10(P) dB. The limit of emission is equal to -25dBm.

3.5.2 TEST PROCEDURE

a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high 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

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13dBm.

For: LTE Band7C/ Band41C

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 55 +10 log10(P) dB. The limit of emission is equal to -25dBm.

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.

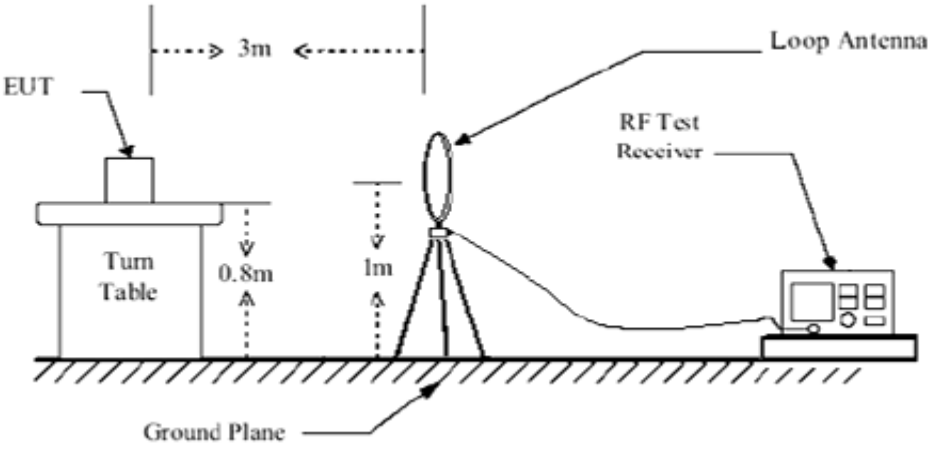
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

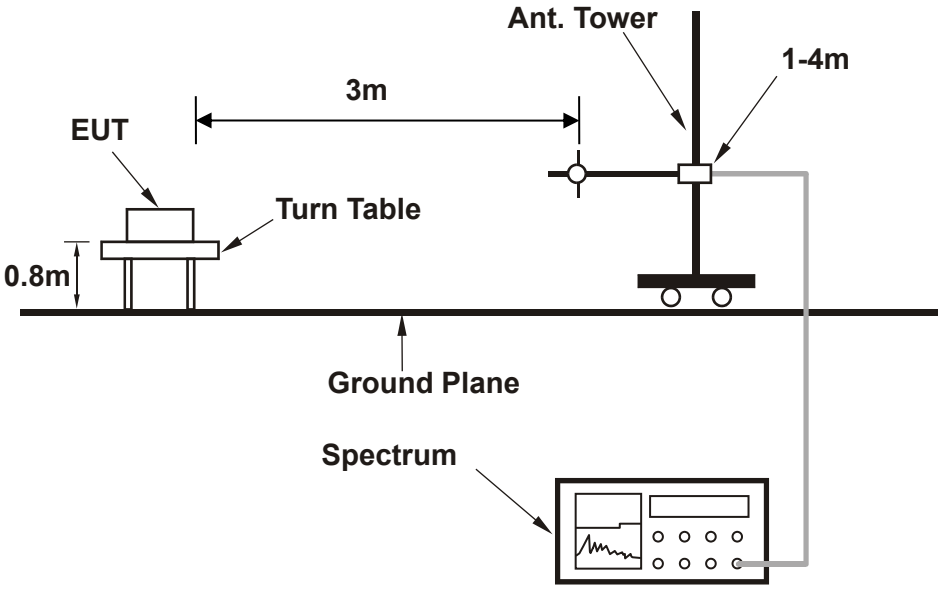
No deviation

3.6.4 TEST SETUP

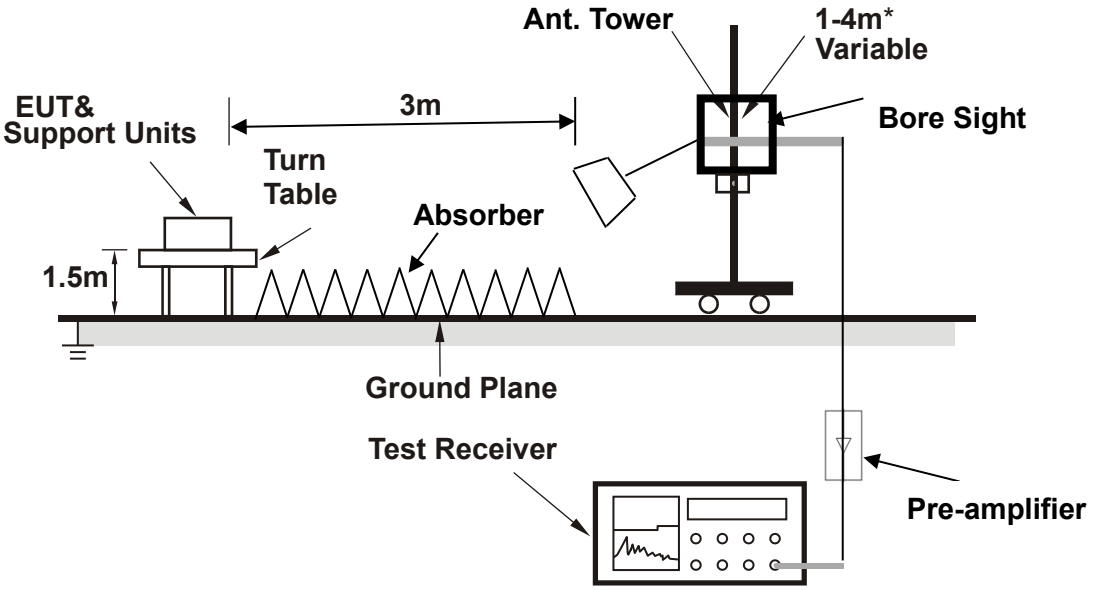
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

3.6.5 TEST RESULTS

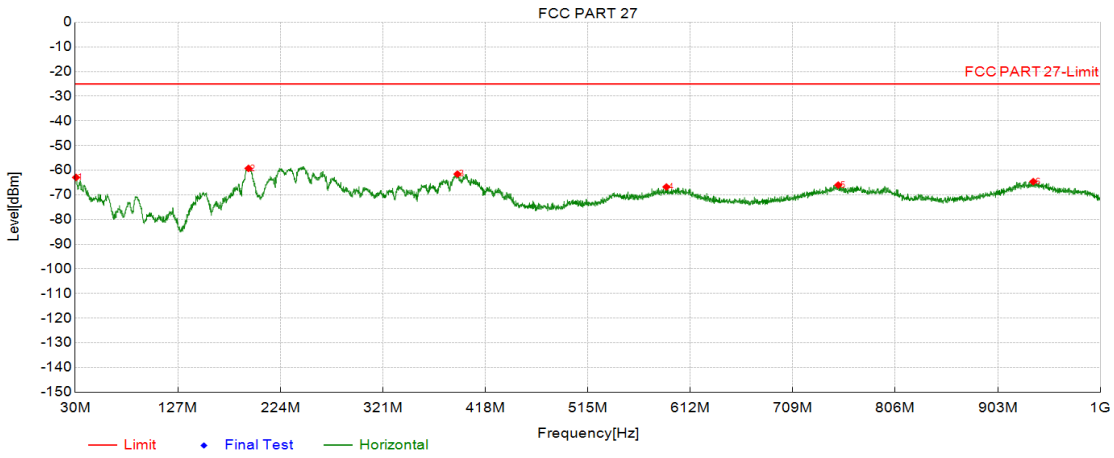
NOTE： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

LTE Band CA_41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	TX channel PCC 40521
			TX channel SCC 40719
FREQUENCY RANGE	30 MHz – 1GHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	30.7762	-60.77	-62.91	-2.14	-25.00	37.91	Horizon	PK	PASS
2	193.9628	-45.25	-59.26	-14.01	-25.00	34.26	Horizon	PK	PASS
3	391.6883	-58.63	-61.57	-2.94	-25.00	36.57	Horizon	PK	PASS
4	589.4139	-65.61	-66.79	-1.18	-25.00	41.79	Horizon	PK	PASS
5	752.0184	-67.04	-66.02	1.02	-25.00	41.02	Horizon	PK	PASS
6	936.5493	-67.98	-64.63	3.35	-25.00	39.63	Horizon	PK	PASS

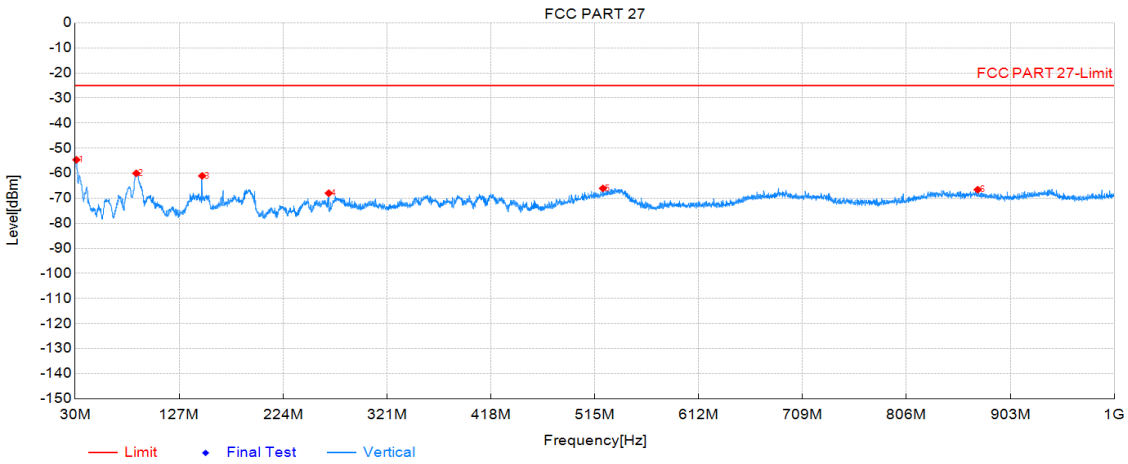


LTE Band CA_41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	TX channel PCC 40521
			TX channel SCC 40719
FREQUENCY RANGE	30 MHz – 1GHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60HZ	**TESTED BY**	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	31.1642	-45.62	-54.64	-9.02	-25.00	29.64	Vertical	PK	PASS
2	87.0474	-45.60	-60.02	-14.42	-25.00	35.02	Vertical	PK	PASS
3	148.5577	-51.15	-61.05	-9.90	-25.00	36.05	Vertical	PK	PASS
4	266.7273	-56.80	-67.96	-11.16	-25.00	42.96	Vertical	PK	PASS
5	522.6645	-64.76	-66.05	-1.29	-25.00	41.05	Vertical	PK	PASS
6	872.5165	-67.31	-66.57	0.74	-25.00	41.57	Vertical	PK	PASS



ABOVE 1GHz

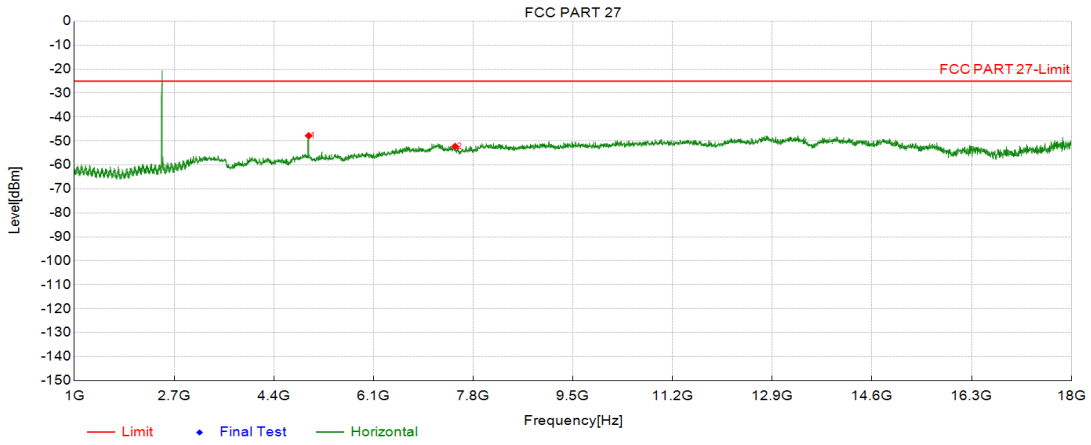
Note: For higher frequency, the emission is too low to be detected.

LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 39750
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

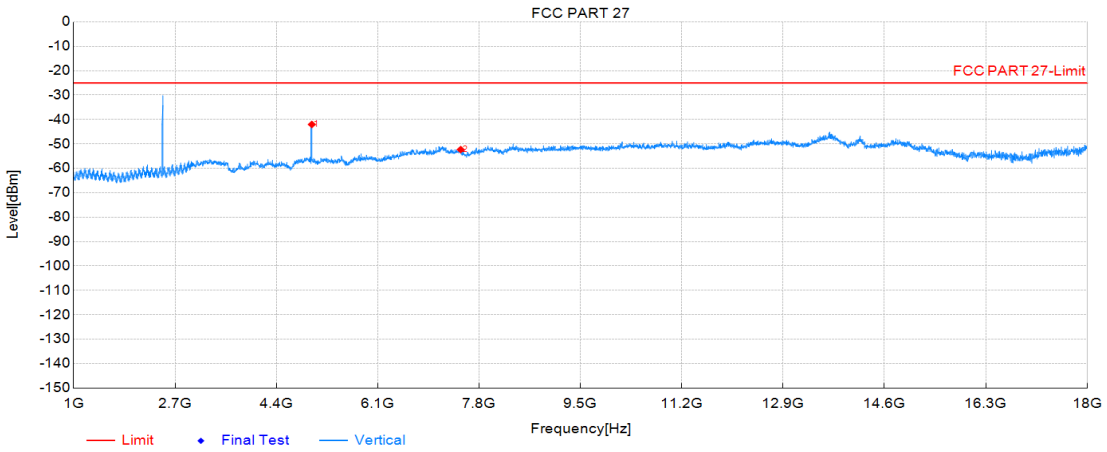
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	4995.3991	-51.70	-47.79	3.91	-25.00	22.79	Horizon	PK	PASS
2	7491.8984	-61.00	-52.26	8.74	-25.00	27.26	Horizon	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 39750
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

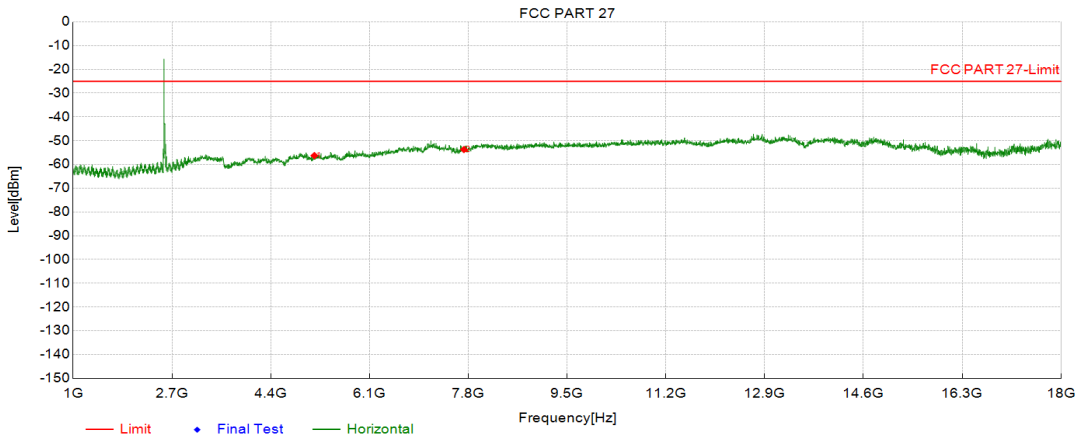
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	4995.3991	-45.94	-42.01	3.93	-25.00	17.01	Vertical	PK	PASS
2	7491.8984	-61.09	-52.30	8.79	-25.00	27.30	Vertical	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 40620
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Data List

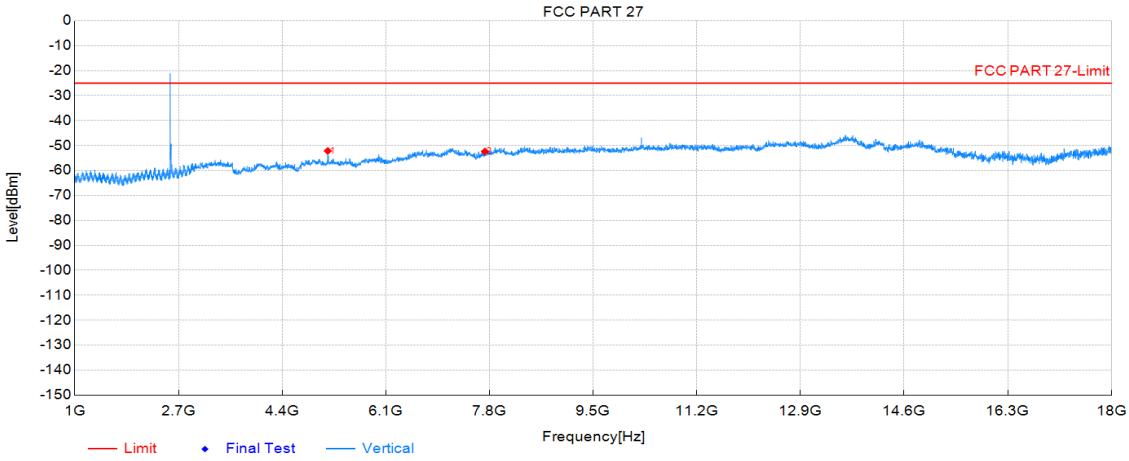
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5151.4303	-59.88	-56.29	3.59	-25.00	31.29	Horizon	PK	PASS
2	7725.9452	-62.64	-53.70	8.94	-25.00	28.70	Horizon	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 40620
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

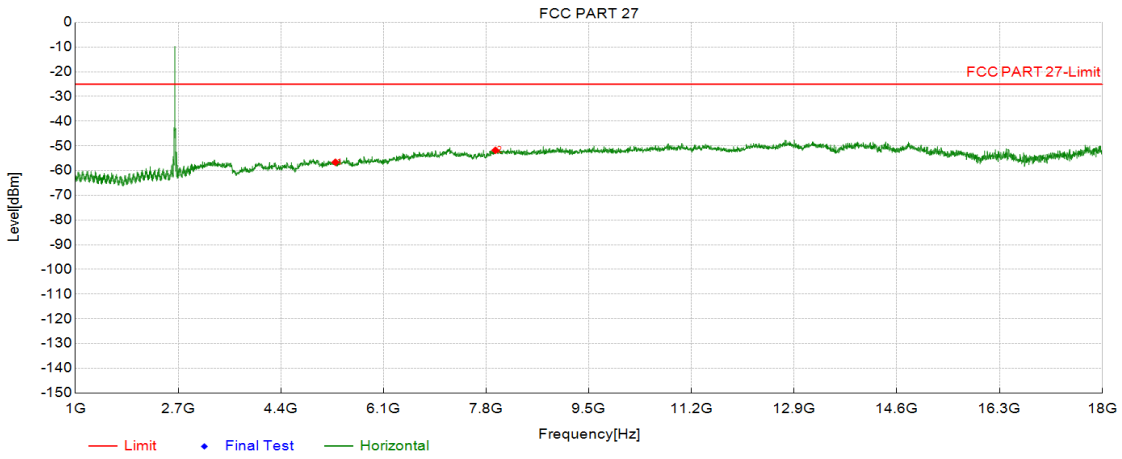
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5148.4297	-56.10	-52.15	3.95	-25.00	27.15	Vertical	PK	PASS
2	7725.9452	-61.93	-52.38	9.55	-25.00	27.38	Vertical	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 41490
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Data List

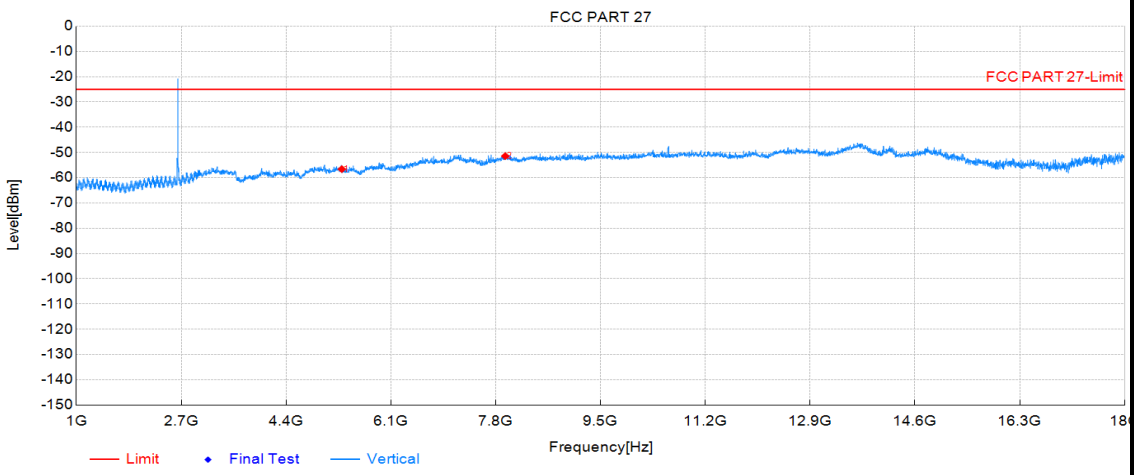
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5304.4609	-60.42	-56.63	3.79	-25.00	31.63	Horizon	PK	PASS
2	7953.9908	-61.80	-51.78	10.02	-25.00	26.78	Horizon	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 41490
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	5304.4609	-60.49	-56.59	3.90	-25.00	31.59	Vertical	PK	PASS
2	7953.9908	-61.81	-51.43	10.38	-25.00	26.43	Vertical	PK	PASS



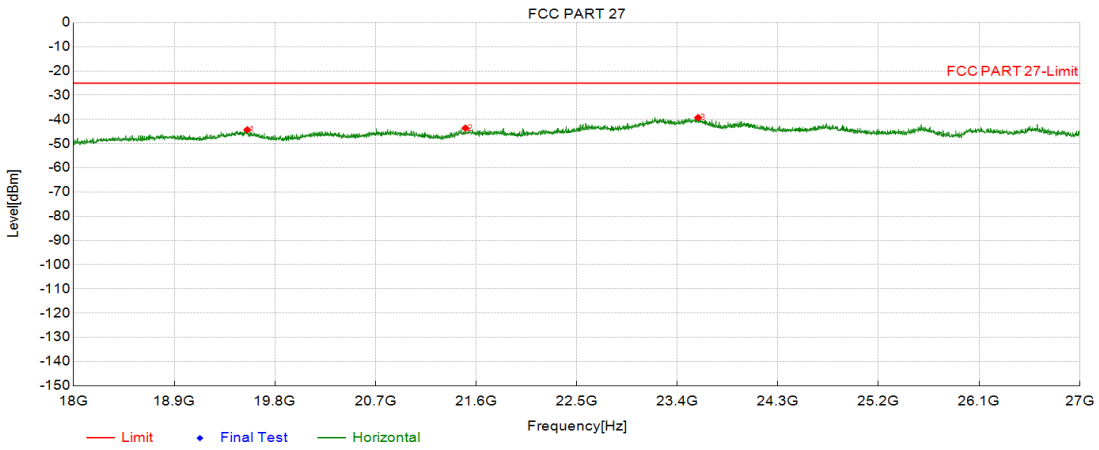
Harmonics

LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 39750
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Data List

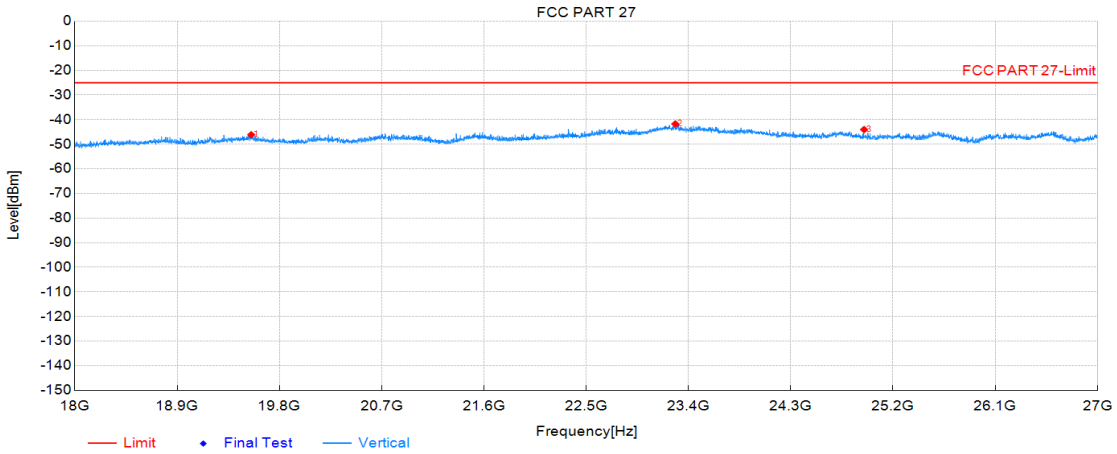
NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	19553.710	-53.70	-44.29	9.41	-25.00	19.29	Horizon	PK	PASS
2	21505.301	-54.05	-43.58	10.47	-25.00	18.58	Horizon	PK	PASS
3	23586.517	-56.16	-39.24	16.92	-25.00	14.24	Horizon	PK	PASS



LTE Band CA _41C			
CHANNEL BANDWIDTH	(20+20) MHz / QPSK	**MODE**	Tx Channel 39750
FREQUENCY RANGE	Above 1000MHz	**ENVIRONMENTAL CONDITIONS**	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	**TESTED BY**	Carl Xie
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Data List

NO.	Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1	19551.910	-53.74	-46.14	7.60	-25.00	21.14	Vertical	PK	PASS
2	23284.056	-54.90	-41.76	13.14	-25.00	16.76	Vertical	PK	PASS
3	24945.789	-53.42	-44.03	9.39	-25.00	19.03	Vertical	PK	PASS

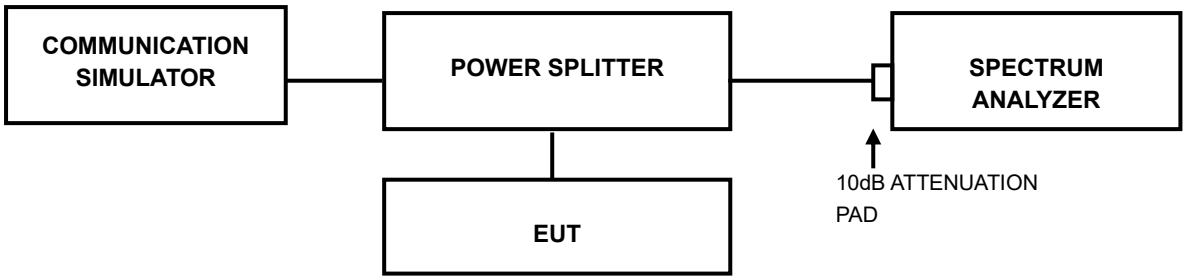


3.6.6 PEAK TO AVERAGE RATIO

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 single band Appendix G&H.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 INFORMATION ON THE TESTING LABORATORIES

We, BOOMWAVE TEST (SHENZHEN) CO., LTD., were founded in 2025 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

BOOMWAVE TEST (SHENZHEN) CO., LTD.
Lab Address:
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th Road, Chiwan Community, Zhaoshang Street, Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Accredited Test Lab Cert 7607.01

Shenzhen EMC/RF Lab:
Mobile: +86 15118052731
Email: shimin.wang@boomwavelab.com

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

No any modifications are made to the EUT by the lab during the test.

7 Appendix:

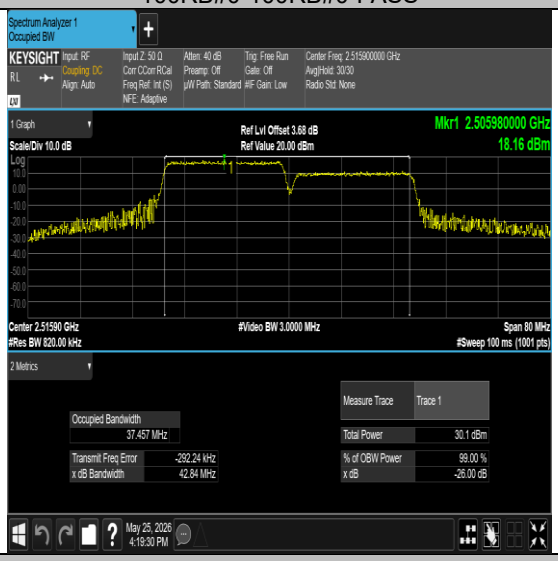
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

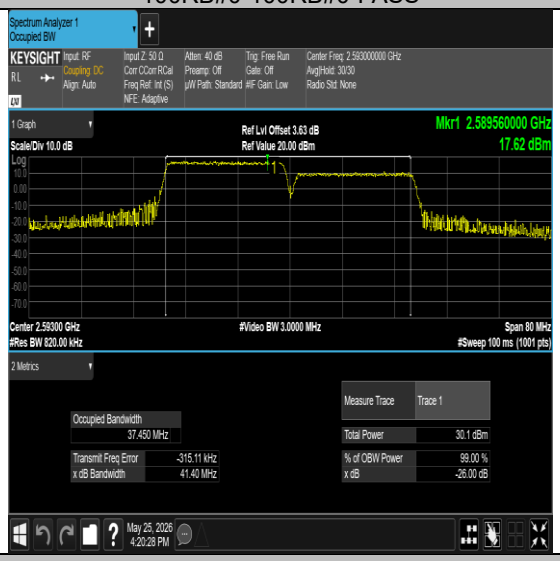
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	100RB#0-100RB#0	37.457	42.84	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	100RB#0-100RB#0	37.450	41.40	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	100RB#0-100RB#0	37.468	42.43	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39750-39948	100RB#0-100RB#0	37.487	40.45	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40521-40719	100RB#0-100RB#0	37.459	40.84	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41292-41490	100RB#0-100RB#0	37.461	40.78	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39750-39948	100RB#0-100RB#0	37.476	40.79	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40521-40719	100RB#0-100RB#0	37.413	40.72	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41292-41490	100RB#0-100RB#0	37.477	43.10	PASS

Test Graphs

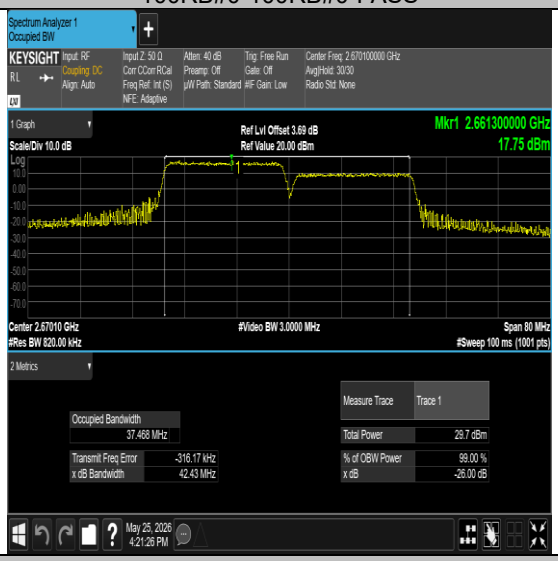
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-100RB#0-100RB#0-PASS



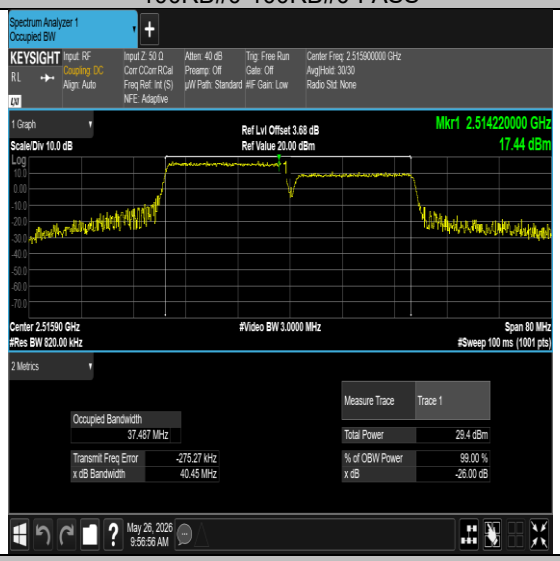
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-100RB#0-100RB#0-PASS



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-100RB#0-100RB#0-PASS

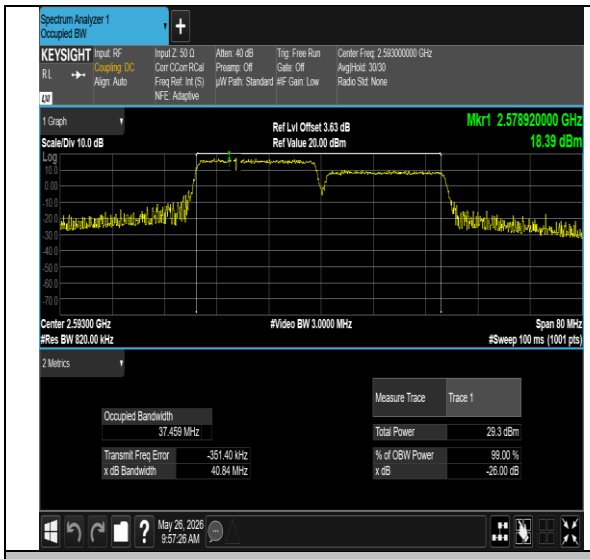


41-41-20MHz-20MHz-64QAM-64QAM-39750-39948-100RB#0-100RB#0-PASS

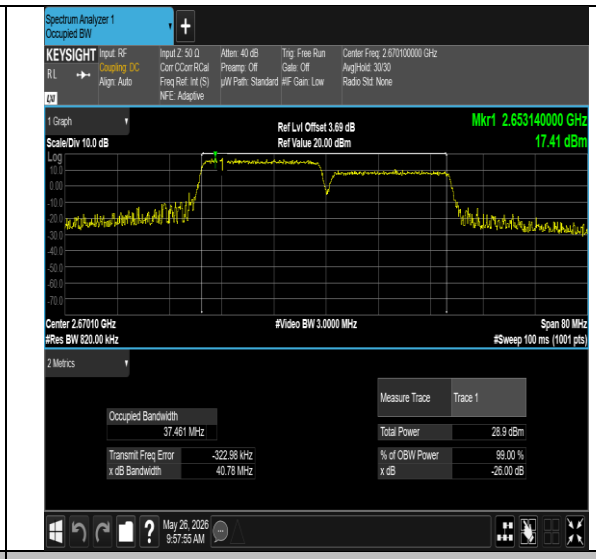


41-41-20MHz-20MHz-64QAM-64QAM-40521-40719-100RB#0-100RB#0-PASS

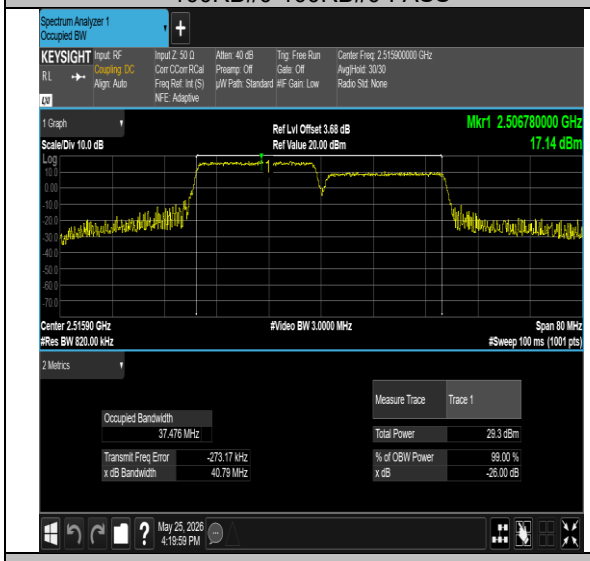
41-41-20MHz-20MHz-64QAM-64QAM-41292-41490-100RB#0-100RB#0-PASS



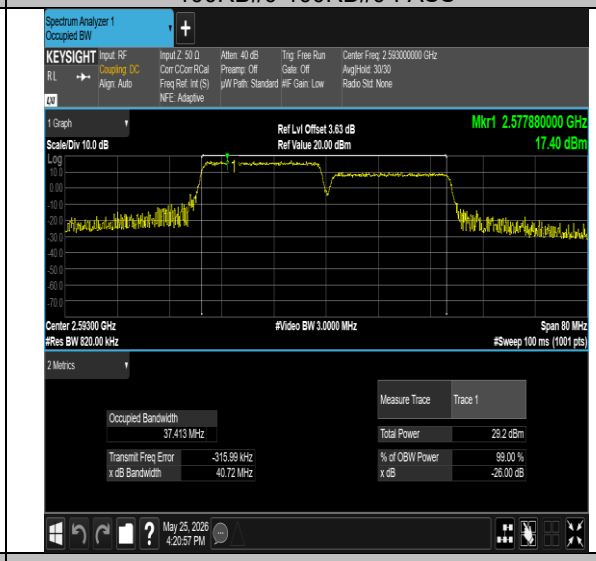
41-41-20MHz-20MHz-16QAM-16QAM-39750-39948-100RB#0-100RB#0-PASS

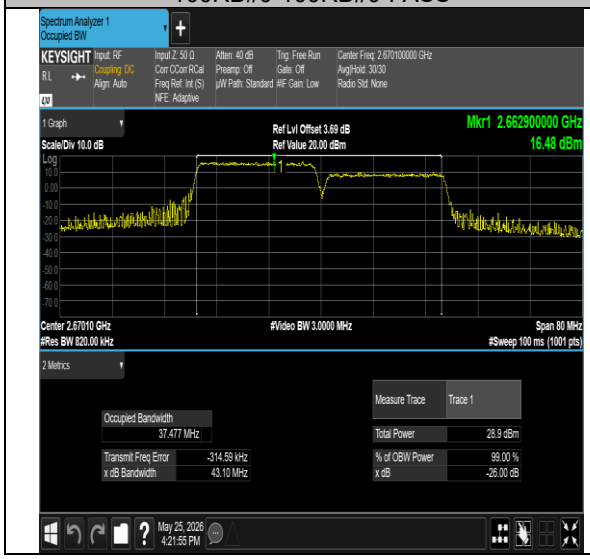


41-41-20MHz-20MHz-16QAM-16QAM-40521-40719-100RB#0-100RB#0-PASS



41-41-20MHz-20MHz-16QAM-16QAM-41292-41490-100RB#0-100RB#0-PASS





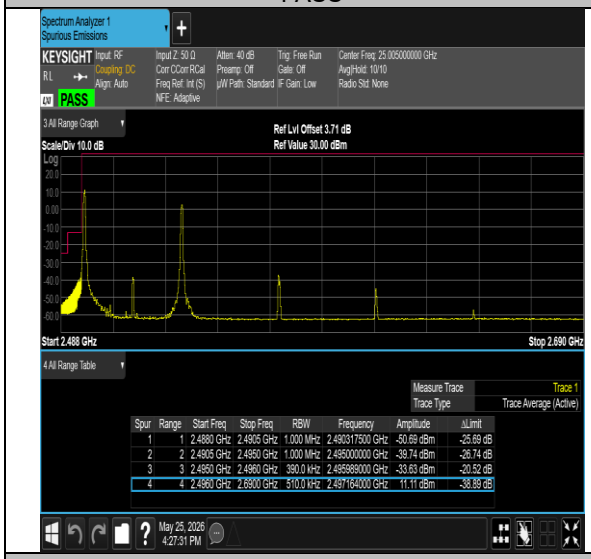
BAND EDGE

Test Result

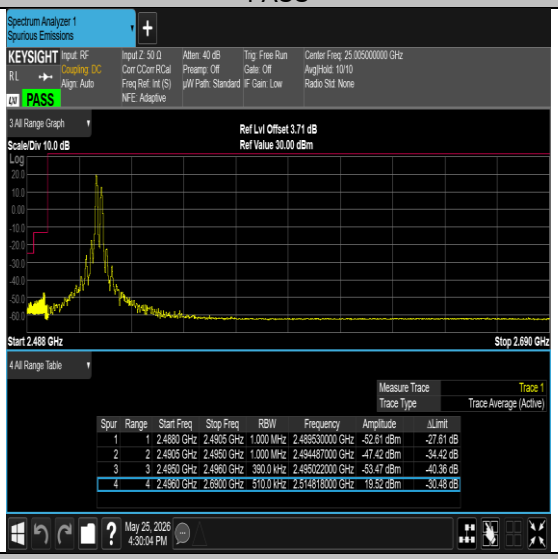
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	39750-39948	1RB#0@100RB#0-1RB#99@100RB#0	-33.63	PASS
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	39750-39948	1RB#99@100RB#0-1RB#0@100RB#0	-52.61	PASS
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	39750-39948	100RB#0@100RB#0-100RB#0@100RB#0	-36.24	PASS
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	41292-41490	1RB#0@100RB#0-1RB#99@100RB#0	-33.11	PASS
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	41292-41490	1RB#99@100RB#0-1RB#0@100RB#0	-59.31	PASS
41-41	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	41292-41490	100RB#0@100RB#0-100RB#0@100RB#0	-37.54	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	39750-39948	1RB#0@100RB#0-1RB#99@100RB#0	-33.57	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	39750-39948	1RB#99@100RB#0-1RB#0@100RB#0	-54.80	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	39750-39948	100RB#0@100RB#0-100RB#0@100RB#0	-37.30	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	41292-41490	1RB#0@100RB#0-1RB#99@100RB#0	-32.12	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	41292-41490	1RB#99@100RB#0-1RB#0@100RB#0	-59.74	PASS
41-41	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	41292-41490	100RB#0@100RB#0-100RB#0@100RB#0	-38.01	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	39750-39948	1RB#0@100RB#0-1RB#99@100RB#0	-33.77	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	39750-39948	1RB#99@100RB#0-1RB#0@100RB#0	-50.04	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	39750-39948	100RB#0@100RB#0-100RB#0@100RB#0	-37.40	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	41292-41490	1RB#0@100RB#0-1RB#99@100RB#0	-31.14	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	41292-41490	1RB#99@100RB#0-1RB#0@100RB#0	-59.18	PASS
41-41	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	41292-41490	100RB#0@100RB#0-100RB#0@100RB#0	-38.57	PASS

Test Graphs

41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-39750-39948-1RB#0@100RB#0-1RB#99@100RB#0-PASS

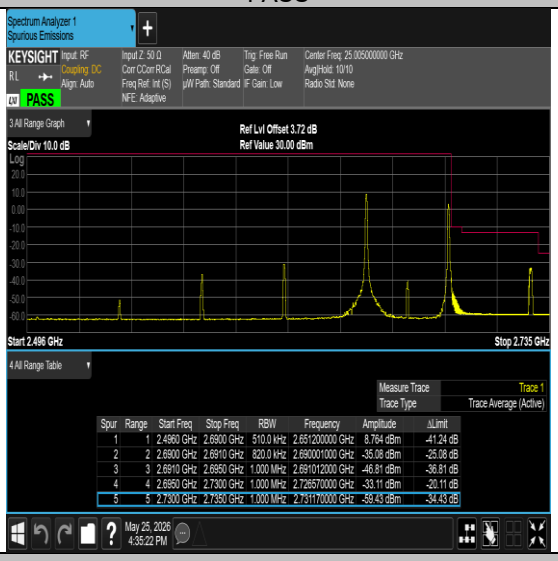


41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-39750-39948-1RB#99@100RB#0-1RB#0@100RB#0-PASS



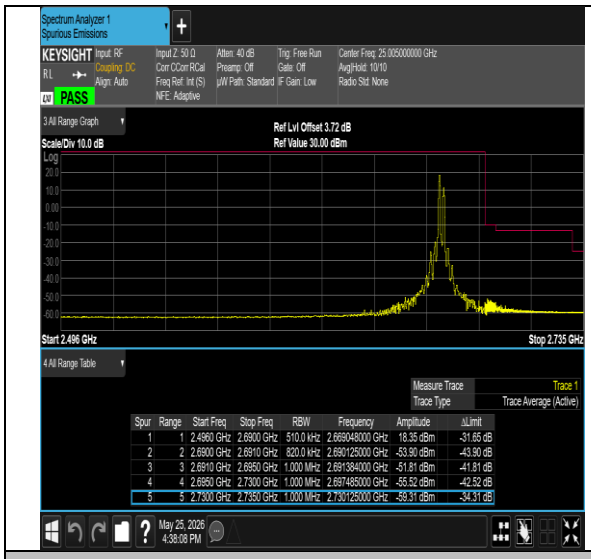
41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-39750-39948-100RB#0@100RB#0-100RB#0@100RB#0-PASS

41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-41292-41490-1RB#0@100RB#0-1RB#99@100RB#0-PASS

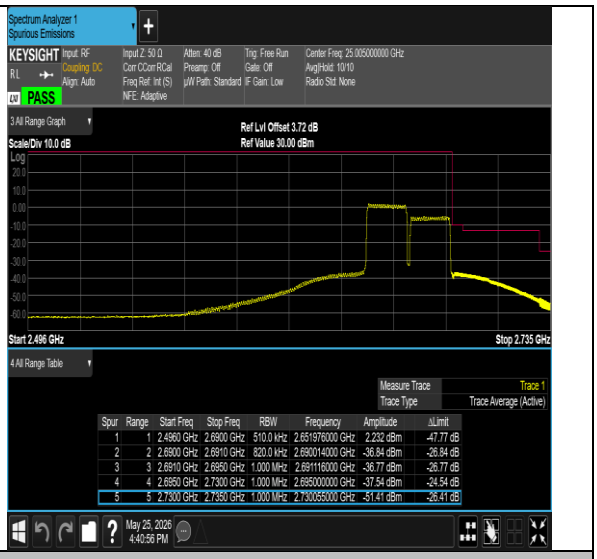


41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-41292-41490-1RB#99@100RB#0-1RB#0@100RB#0-PASS

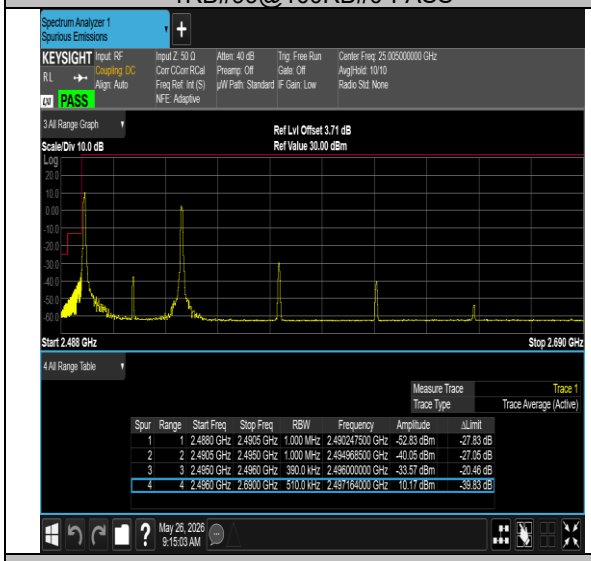
41-41-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-41292-41490-100RB#0@100RB#0-100RB#0@100RB#0-PASS



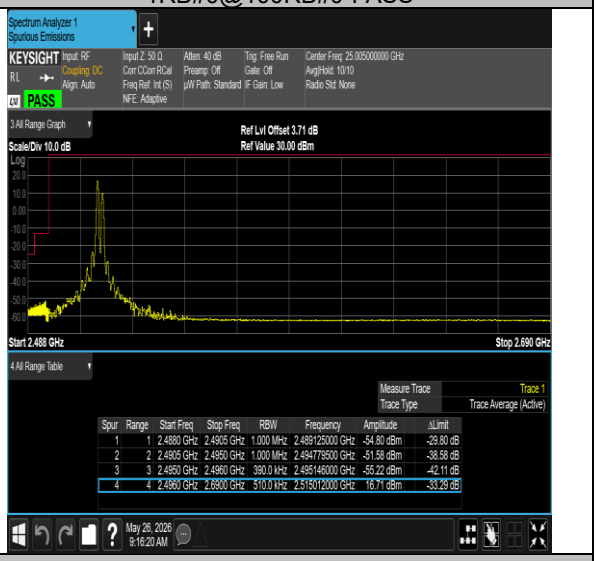
41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-39750-39948-1RB#0@100RB#0-1RB#99@100RB#0-PASS



41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-39750-39948-1RB#99@100RB#0-1RB#0@100RB#0-PASS

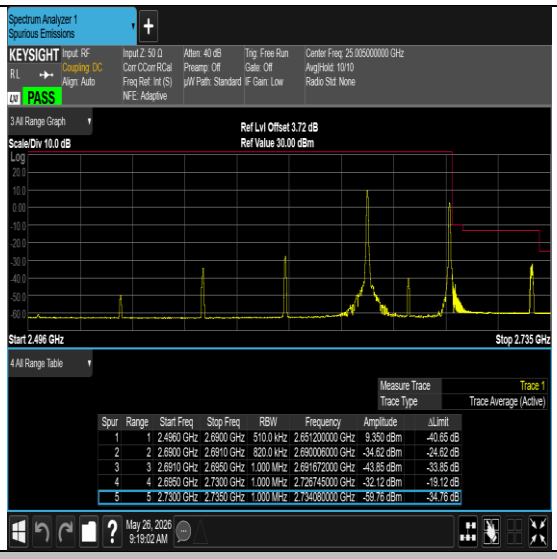


41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-39750-39948-100RB#0@100RB#0-100RB#0@100RB#0-PASS

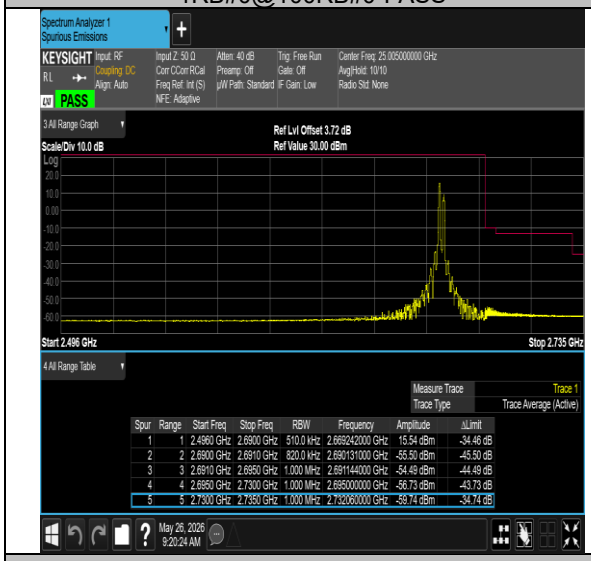


41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-41292-41490-1RB#0@100RB#0-1RB#99@100RB#0-PASS

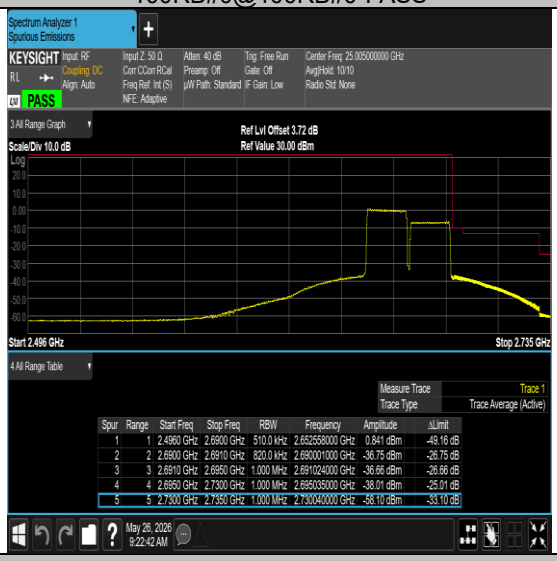
41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-41292-41490-1RB#99@100RB#0-1RB#0@100RB#0-PASS



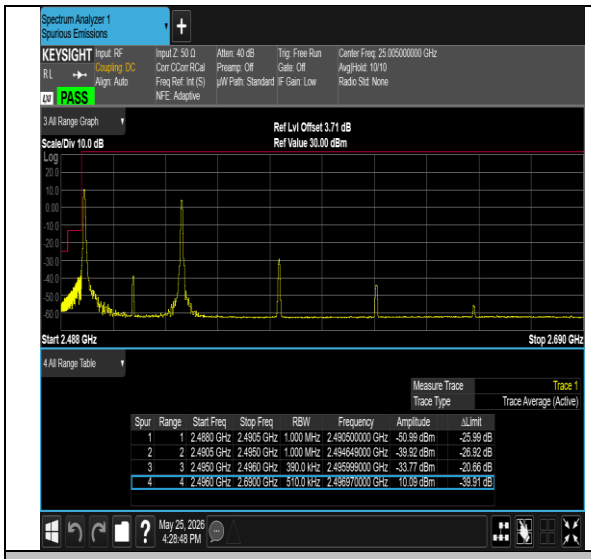
41-41-20MHz-20MHz-64QAM@64QAM-64QAM@64QAM-41292-41490-100RB#0@100RB#0-100RB#0@100RB#0-PASS



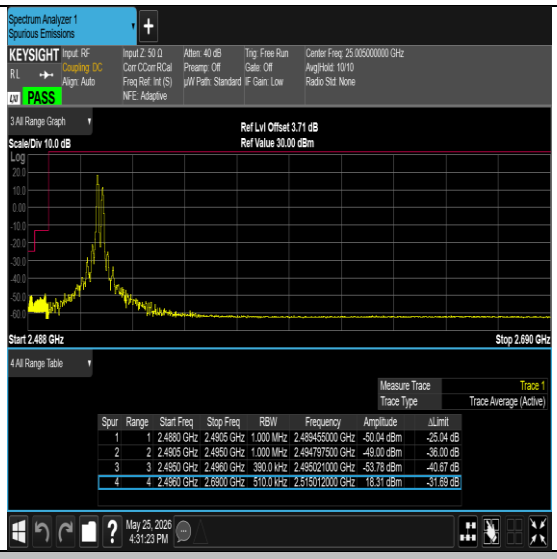
41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-39750-39948-1RB#0@100RB#0-1RB#99@100RB#0-PASS



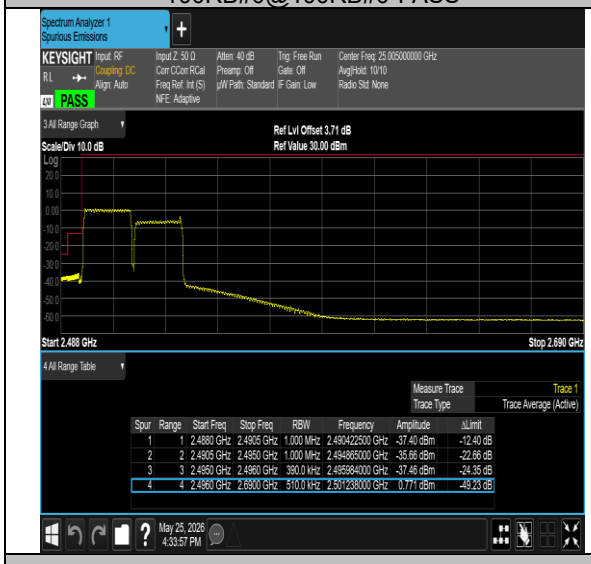
41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-39750-39948-1RB#99@100RB#0-1RB#0@100RB#0-PASS



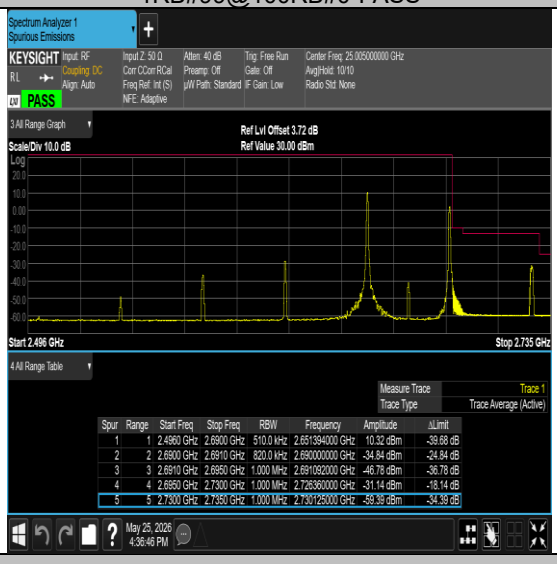
41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-39750-39948-100RB#0@100RB#0-100RB#0@100RB#0-PASS



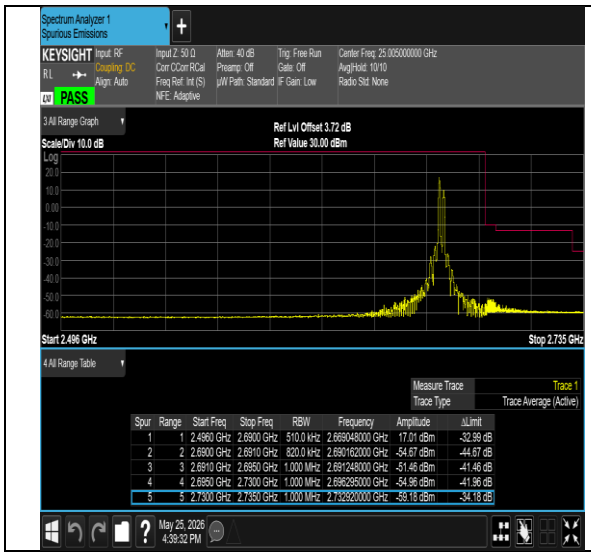
41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-41292-41490-1RB#0@100RB#0-1RB#99@100RB#0-PASS

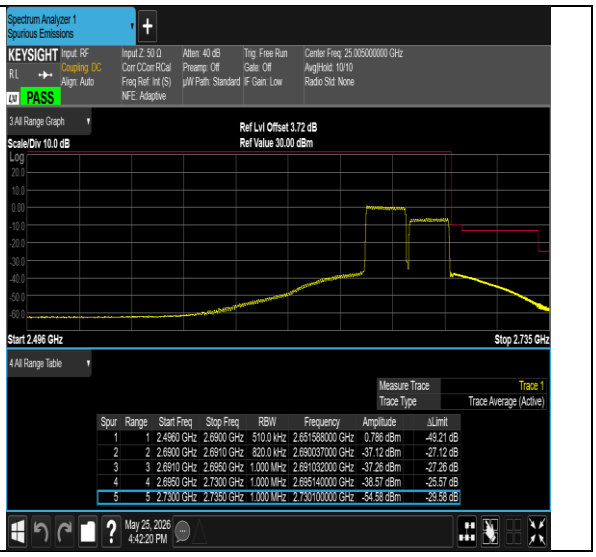


41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-41292-41490-1RB#99@100RB#0-1RB#0@100RB#0-PASS



41-41-20MHz-20MHz-16QAM@16QAM-16QAM@16QAM-41292-41490-100RB#0@100RB#0-100RB#0@100RB#0-PASS


Spectrum Analyzer 1
Spurious Emissions
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
Atten: 40 dB
Preamp: Off
µW Path: Standard
Trig: Free Run
Gate: Off
IF Gain: Low
Center Freq: 25.005000000 GHz
Avg|Hold: 10/10
Radio Std: None
PASS
3 All Range Graph
Ref Lvl Offset 3.72 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB
Log
Start 2.496 GHz
Stop 2.735 GHz
4 All Range Table
Measure Trace
Trace 1
Trace Type
Trace Average (Active)
Spur Range Start Freq Stop Freq RBW Frequency Amplitude ΔLimit
1 1 2.4960 GHz 2.6900 GHz 510.0 kHz 2.669048000 GHz 17.01 dBm -32.99 dB
2 2 2.6900 GHz 2.6910 GHz 820.0 kHz 2.690162000 GHz -54.67 dBm -44.67 dB
3 3 2.6910 GHz 2.6950 GHz 1.000 MHz 2.691248000 GHz -51.46 dBm -41.46 dB
4 4 2.6950 GHz 2.7300 GHz 1.000 MHz 2.696295000 GHz -54.96 dBm -41.96 dB
5 5 2.7300 GHz 2.7350 GHz 1.000 MHz 2.732920000 GHz -59.18 dBm -34.18 dB
May 25, 2026
4:39:32 PM

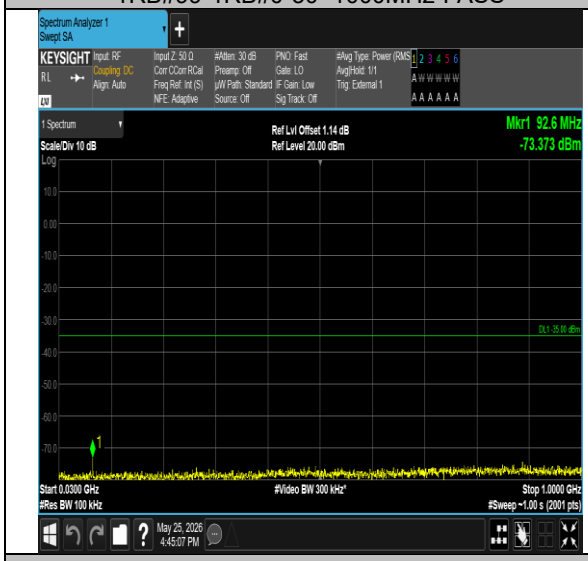

Spectrum Analyzer 1
Spurious Emissions
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)
NFE: Adaptive
Atten: 40 dB
Preamp: Off
µW Path: Standard
Trig: Free Run
Gate: Off
IF Gain: Low
Center Freq: 25.005000000 GHz
Avg|Hold: 10/10
Radio Std: None
PASS
3 All Range Graph
Ref Lvl Offset 3.72 dB
Ref Value 30.00 dBm
Scale/Div 10.0 dB
Log
Start 2.496 GHz
Stop 2.735 GHz
4 All Range Table
Measure Trace
Trace 1
Trace Type
Trace Average (Active)
Spur Range Start Freq Stop Freq RBW Frequency Amplitude ΔLimit
1 1 2.4960 GHz 2.6900 GHz 510.0 kHz 2.651588000 GHz 0.786 dBm -49.21 dB
2 2 2.6900 GHz 2.6910 GHz 820.0 kHz 2.690037000 GHz -37.12 dBm -27.12 dB
3 3 2.6910 GHz 2.6950 GHz 1.000 MHz 2.691032000 GHz -37.26 dBm -27.26 dB
4 4 2.6950 GHz 2.7300 GHz 1.000 MHz 2.695140000 GHz -38.57 dBm -25.57 dB
5 5 2.7300 GHz 2.7350 GHz 1.000 MHz 2.730100000 GHz -54.58 dBm -29.58 dB
May 25, 2026
4:42:20 PM

Test Result

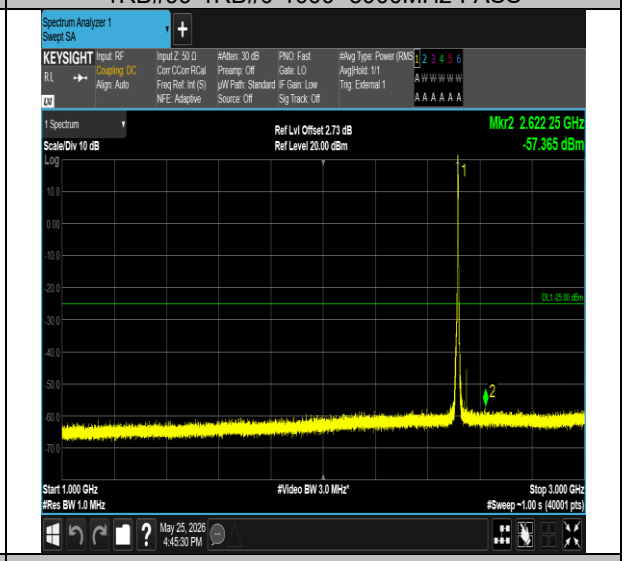
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#99-1RB#0	30~1000MHz	-73.373	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#99-1RB#0	1000~3000MHz	-57.365	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#99-1RB#0	3000~18000MHz	-49.346	PASS
41-41	20MHz-20MHz	QPSK-QPSK	39750-39948	1RB#99-1RB#0	18000~27000MHz	-45.380	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#99-1RB#0	30~1000MHz	-62.571	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#99-1RB#0	1000~3000MHz	-56.242	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#99-1RB#0	3000~18000MHz	-43.617	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40521-40719	1RB#99-1RB#0	18000~27000MHz	-45.411	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#99-1RB#0	30~1000MHz	-66.946	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#99-1RB#0	1000~3000MHz	-56.150	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#99-1RB#0	3000~18000MHz	-49.853	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41292-41490	1RB#99-1RB#0	18000~27000MHz	-45.757	PASS

Test Graphs

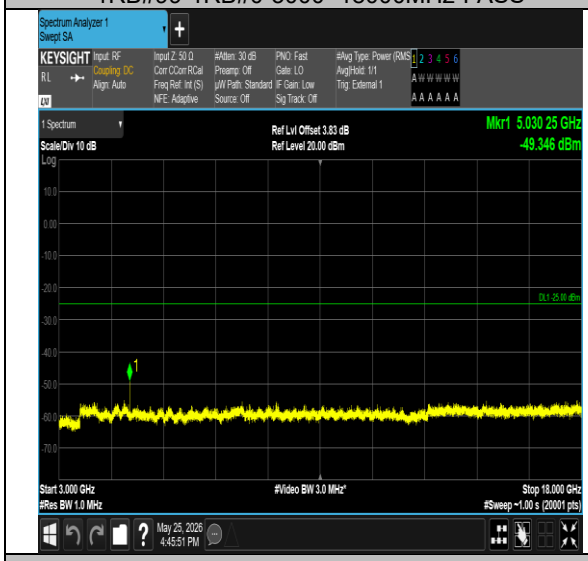
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#99-1RB#0-30~1000MHz-PASS



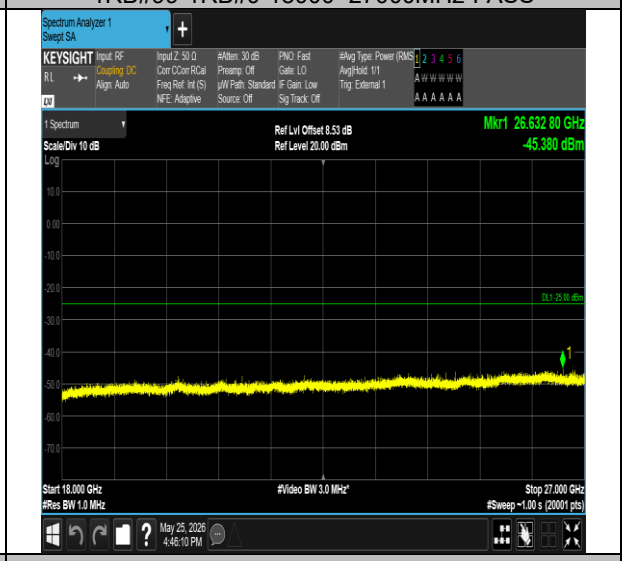
41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#99-1RB#0-1000~3000MHz-PASS



41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#99-1RB#0-3000~18000MHz-PASS

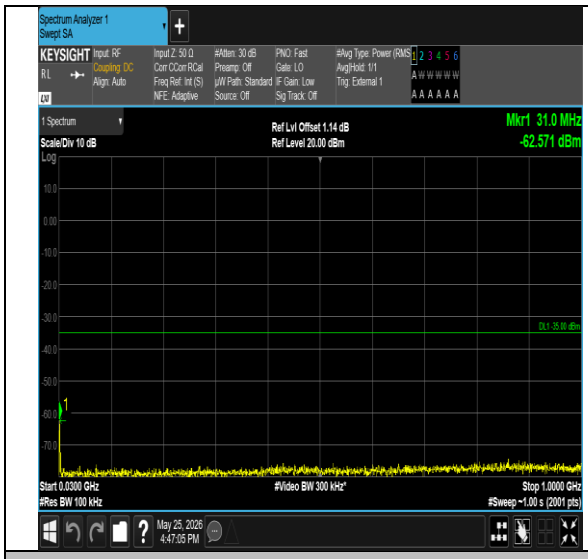


41-41-20MHz-20MHz-QPSK-QPSK-39750-39948-1RB#99-1RB#0-18000~27000MHz-PASS

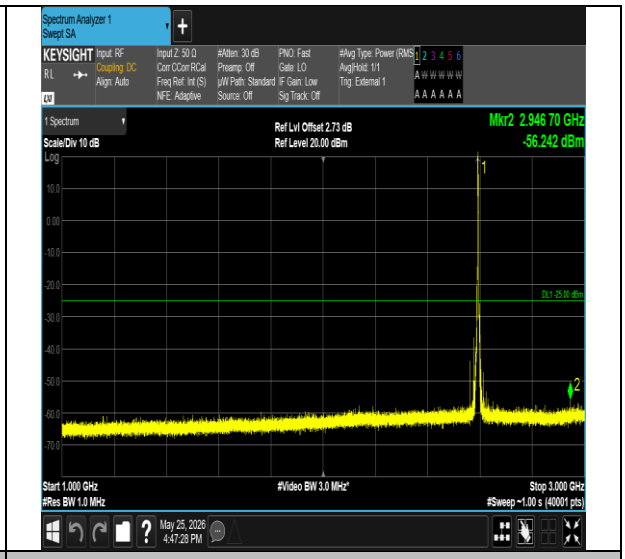


41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#99-1RB#0-30~1000MHz-PASS

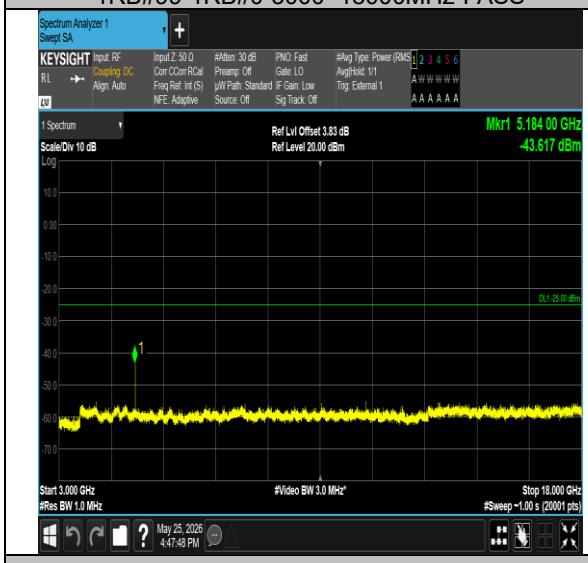
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#99-1RB#0-1000~3000MHz-PASS



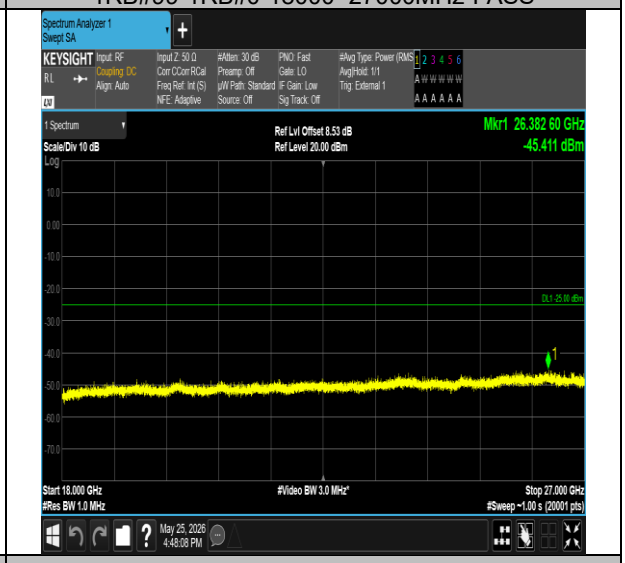
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#99-1RB#0-3000~18000MHz-PASS



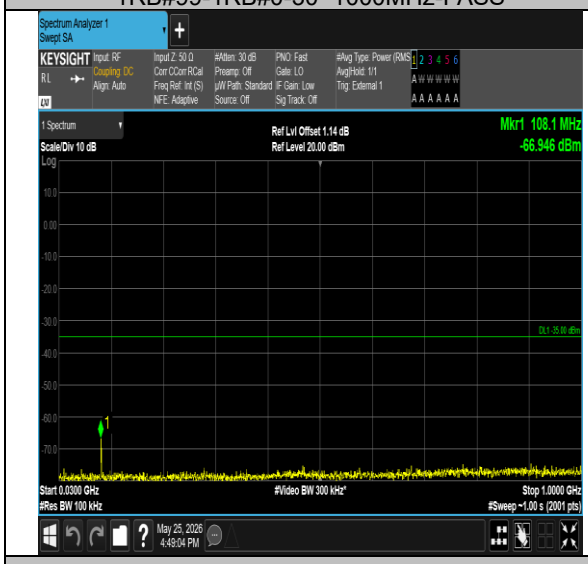
41-41-20MHz-20MHz-QPSK-QPSK-40521-40719-1RB#99-1RB#0-18000~27000MHz-PASS



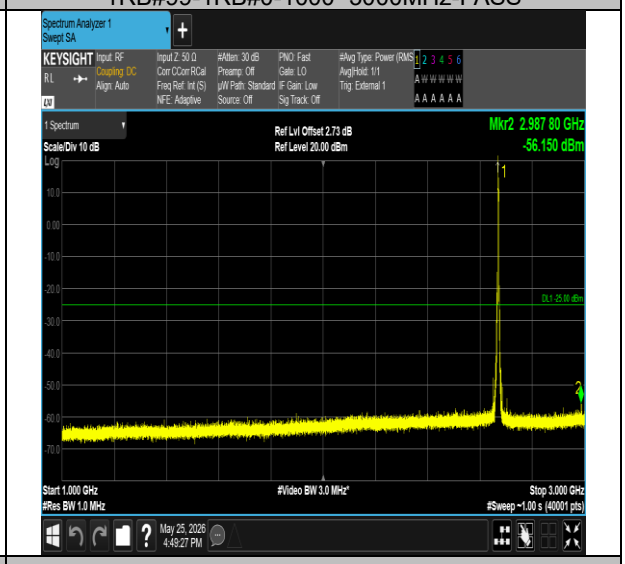
41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#99-1RB#0-30~1000MHz-PASS



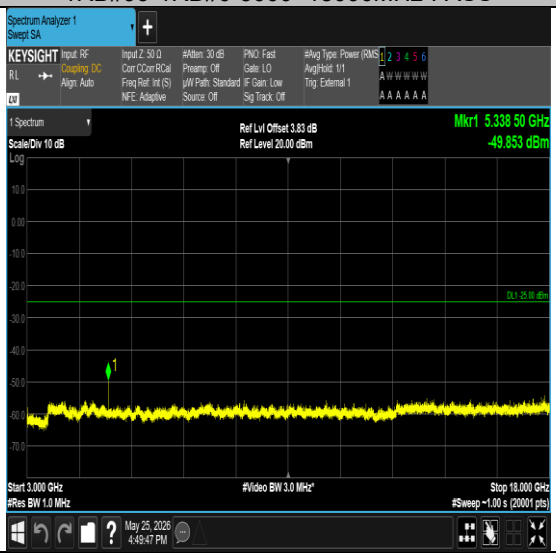
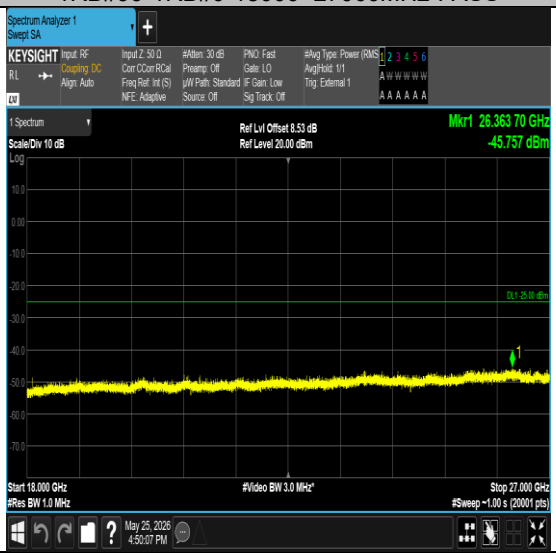
41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-1RB#99-1RB#0-1000~3000MHz-PASS



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-



41-41-20MHz-20MHz-QPSK-QPSK-41292-41490-

1RB#99-1RB#0-3000~18000MHz-PASS	1RB#99-1RB#0-18000~27000MHz-PASS
	

--END--