



REPORT No.: SZ25060440W09

TEST REPORT

APPLICANT : Sun Cupid Technology (HK) Ltd.

PRODUCT NAME : 5G Smartphone

MODEL NAME : S6710X

MARKETINGNAME : NUU B40, B40

BRAND NAME : NUU

FCC ID : 2ADINS6710X

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22
47 CFR Part 24
47 CFR Part 27

RECEIPT DATE : 2025-07-03

TEST DATE : 2025-07-04 to 2025-08-14

ISSUE DATE : 2025-09-04

Edited by: Liu Huiyan
Liu Huiyan (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

NOTE: This document is issued by ShenzhenMorlab Communications Technology Co., Ltd., the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.



ShenzhenMorlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

Tel: 86-755-36698555
Http://www.morlab.cn

Fax: 86-755-36698525
E-mail: service@morlab.cn





DIRECTORY

1. Technical Information.....	3
1.1. Applicant and Manufacturer Information.....	3
1.2. Equipment Under Test (EUT) Description.....	3
1.3. Maximum E.R.P./E.I.R.P. and Emission Designator.....	5
1.4. Test Standards and Results	7
1.5. Environmental Conditions	10
2. Summary Test Results And Description.....	11
2.1. Transmitter Conducted Output Power	11
2.2. Occupied Bandwidth	17
2.3. Conducted Spurious Emissions.....	36
2.4. Peak to Average Ratio	131
2.5. Band Edge	150
2.6. Radiated Spurious Emissions	162
Annex A Test Uncertainty.....	242
Annex B Testing Laboratory Information	243

Change History		
Version	Date	Reason for change
1.0	2025-09-04	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Sun Cupid Technology (HK) Ltd.
Applicant Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, HongKong.
Manufacturer:	Sun Cupid Technology (HK) Ltd.
Manufacturer Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, HongKong.

1.2. Equipment Under Test (EUT) Description

Product Name:	5G Smartphone	
Sample No.:	4#, 23#	
Hardware Version:	S6710X-01	
Software Version:	S6710X-AM-V-MV25608-03	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Uplink: 2A-4A; 2A-5A; 2A-7A; 2A-12A; 2A-66A; 4A-5A; 4A-7A; 4A-12A; 5A-7A; 5A-66A; 7A-66A; 12A-66A; 66C	
Frequency Range:	Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2670MHz
	Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz–2200MHz
		Rx: 2620MHz–2670MHz
	LTE 66C	Tx: 1710MHz –1780MHz
		Rx: 2110MHz–2200MHz



Channel Bandwidth:	Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	Band 12	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE 66C	5MHz+20MHz,20MHz+5MHz,10MHz+15MHz, 15MHz+10MHz,10MHz+20MHz,20MHz+10MHz 15MHz+15MHz,15MHz+20MHz,20MHz+15MHz,2 0MHz+20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	Band 2	-1.50dBi
	Band 4	-1.70dBi
	Band 5	-3.70dBi
	Band 7	-0.80dBi
	Band 12	-5.20dBi
	Band 66	-1.70dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BL-A60CT
	Serial No.:	N/A
	Capacity:	4900mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Highpower Technology Co., Ltd.
	AC Adapter	
	Brand Name:	NUU
	Model No.:	552A-033G-1C
	Serial No.:	N/A
	Rated Output:	5.0V=3.0A; 9.0V=3.0A; 12.0V=2.5A; 15.0V=2.0A; 20.0V=1.5A PPS: 5.0-11.0V=3.0A; 5.0-16.0V=2.0A
	Rated Input:	100-240V~50/60Hz, 1.0A
	Manufacturer :	SHENZHEN BAIJUNDA ELECTRONICS CO.,LTD

Note1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or



manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

Channel bandwidth	Maximum ERP/EIRP (W)		
CA_66C	QPSK	16QAM	64QAM
20+20	0.171	0.146	0.146
CA_2A-4A	QPSK	16QAM	64QAM
20+20	0.126	/	/
CA_2A-5A	QPSK	16QAM	64QAM
20+10	0.109	/	/
CA_2A-7A	QPSK	16QAM	64QAM
20+20	0.140	/	/
CA_2A-12A	QPSK	16QAM	64QAM
20+10	0.113	/	/
CA_2A-66A	QPSK	16QAM	64QAM
20+20	0.105	/	/
CA_4A-5A	QPSK	16QAM	64QAM
20+10	0.104	/	/
CA_4A-7A	QPSK	16QAM	64QAM
20+20	0.129	/	/
CA_4A-12A	QPSK	16QAM	64QAM
20+10	0.108	/	/
CA_5A-7A	QPSK	16QAM	64QAM
10+20	0.139	/	/
CA_5A-66A	QPSK	16QAM	64QAM
10+20	0.111	/	/
CA_7A-66A	QPSK	16QAM	64QAM
20+20	0.133	/	/
CA_12A-66A	QPSK	16QAM	64QAM
10+20	0.109	/	/



Channel bandwidth	Emission Designator (99%OBW)		
	QPSK	16QAM	64QAM
LTE 66C			
5+20	22M7G7D	22M8W7D	22M6W7D
10+15	23M1G7D	23M0W7D	23M0W7D
10+20	27M6G7D	27M7W7D	27M5W7D
15+10	23M1G7D	23M0W7D	23M0W7D
15+15	28M2G7D	28M3W7D	28M2W7D
15+20	32M5G7D	32M6W7D	32M4W7D
20+5	22M8G7D	22M8W7D	22M8W7D
20+10	27M6G7D	27M7W7D	27M7W7D
20+15	32M6G7D	32M6W7D	32M5W7D
20+20	37M4G7D	37M5W7D	37M3W7D

1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27, Part 90 and Part 96 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
6	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

B2			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP $\leq$ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit $\leq$ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §24.238(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)(b)	$\leq$ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	$\leq$ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §24.235	No limit	N/A

B4 & B66			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP $\leq$ 1 W	PASS
Peak-Average Ratio	§27.50(d) (5)	Limit $\leq$ 13 dB	PASS



Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(h)(1) §27.53(h)(3)(i)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)(1)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	≤ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

B5			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §22.917(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §22.355	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §22.355	$\leq \pm 2.5$ ppm	PASS

B7			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2 W	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS



Band Edges Compliance	§2.1051, §27.53(m)(4)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

B12			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)(10)	EIRP ≤ 3 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(g)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A



Test detailed items/section required by FCC rules and results are as below:

Test Item	Test Engineer	Result	Remark
Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Yu Xiaoming Liu Huiyan	PASS ^[4]	/
Occupied Bandwidth	Liu Huiyan	PASS ^[5]	/
Frequency Stability	Liu Huiyan	PASS ^[5]	/
Peak to Average Ratio	Liu Huiyan	PASS	/
Conducted Spurious Emissions	Liu Huiyan	PASS ^[5]	/
Band Edge	Liu Huiyan	PASS ^[5]	/
Radiated Spurious Emissions	Wang Deyong	PASS	/
Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016. Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipment. The ref offset 23.5dB contains two parts that cable loss 13.5dB and Attenuator 10dB. Note 3: Any additions, deviation, or exclusions from the method shall be noted in the "Remark". Note 4: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. Note 5: This test items for Carrier aggregation bands are referred to its corresponding single band, the test results refer to the test report (Report No.: SZ25060440W06, SZ25060440W08).			

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60

2. Summary Test Results And Description

2.1. Transmitter Conducted Output Power

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

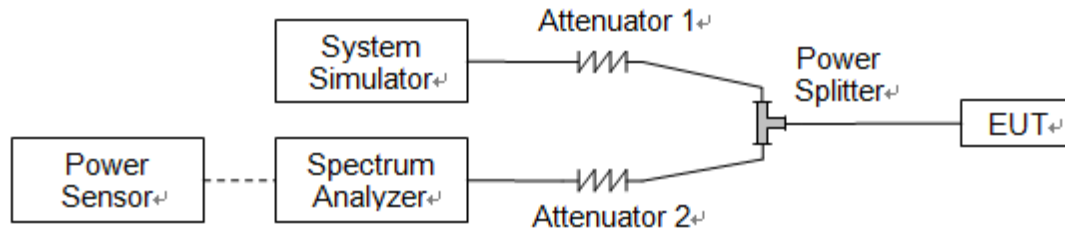
According to FCC section 27.50 (h)(2) for LTE Band 7, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (c)(10) for LTE Band 12, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P:

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3. Test Procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

$$\text{E.I.R.P. (dBm)} = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$$

$$\text{E.R.P. (dBm)} = \text{E.I.R.P. (dBm)} - 2.15$$

**2.1.4. Result****Conducted Output Power**

CA_66C								
Combination:20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)
			RB Size	RB Offset	RB Size	RB Offset		
132072	132270	QPSK	1	0	0	0	1	22.26
132323	132521	QPSK	1	0	0	0	1	22.33
132374	132572	QPSK	1	0	0	0	1	22.17
132072	132270	16QAM	1	0	0	0	1	21.65
132323	132521	16QAM	1	0	0	0	1	21.58
132374	132572	16QAM	1	0	0	0	1	21.53
132072	132270	64QAM	1	0	0	0	1	21.65
132323	132521	64QAM	1	0	0	0	1	21.57
132374	132572	64QAM	1	0	0	0	1	21.62
132072	132270	QPSK	50	0	0	0	1	22.26
132323	132521	QPSK	50	0	0	0	1	22.33
132374	132572	QPSK	50	0	0	0	1	22.17

Configure	CA Configuration	PCC				
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)
Inter-band	CA_2A-4A	2	20	19100	1900	QPSK/1#0
	CA_2A-5A	2	20	19100	1900	QPSK/1#0
	CA_2A-7A	2	20	19100	1900	QPSK/1#0
	CA_2A-12A	2	20	19100	1900	QPSK/1#0
	CA_2A-66A	2	20	19100	1900	QPSK/1#0
	CA_4A-5A	4	20	20175	1732.5	QPSK/1#0
	CA_4A-7A	4	20	20175	1732.5	QPSK/1#0
	CA_4A-12A	4	20	20175	1732.5	QPSK/1#0
	CA_5A-7A	5	10	20525	836.5	QPSK/1#0
	CA_5A-66A	5	10	20525	836.5	QPSK/1#0
	CA_7A-66A	7	20	20850	2510	QPSK/1#0
	CA_12A-66A	12	10	23060	704	QPSK/1#0



SCC				
Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)
4	20	20175	1732.5	22.16
5	10	20525	836.5	21.89
7	20	20850	2510	22.25
12	10	23060	704	22.02
66	20	132322	1745	21.73
5	10	20525	836.5	21.86
7	20	20850	2510	21.92
12	10	23060	704	22.05
7	20	20850	2510	22.22
66	20	132322	1745	22.15
66	20	132322	1745	22.03
66	20	132322	1745	22.06

**Effective Radiated Power and Effective Isotropic Radiated Power**

LTE CA_66C _ANT0											
Combination:10MHz+10MHz(50RB+50RB)											
PCC Chan nel	PCC UL Fre. (MH z)	SCC Chan nel	SCC UL Fre. (MH z)	Modula tion	PCC		SCC		Tot al RB Siz e	Measure d Power(d Bm)	Measu red EIRP(W)
					RB Size	RB Offset	RB Size	RB Offset			
1320 47	171 7.5	1321 40	172 6.8	QPSK	1	0	0	0	1	22.26	0.168
1323 98	175 2.6	1324 91	176 1.9	QPSK	1	0	0	0	1	22.33	0.171
1325 49	176 7.7	1326 42	177 7	QPSK	1	0	0	0	1	22.17	0.165
1320 47	171 7.5	1321 40	172 6.8	16QAM	1	0	0	0	1	21.65	0.146
1323 98	175 2.6	1324 91	176 1.9	16QAM	1	0	0	0	1	21.58	0.144
1325 49	176 7.7	1326 42	177 7	16QAM	1	0	0	0	1	21.53	0.142
1320 47	171 7.5	1321 40	172 6.8	64QAM	1	0	0	0	1	21.65	0.146
1323 98	175 2.6	1324 91	176 1.9	64QAM	1	0	0	0	1	21.57	0.144
1325 49	176 7.7	1326 42	177 7	64QAM	1	0	0	0	1	21.62	0.145



Configure	CA Configuration	PCC				
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)
Inter-band	CA_2A-4A	2	20	19100	1900	QPSK/1#0
	CA_2A-5A	2	20	19100	1900	QPSK/1#0
	CA_2A-7A	2	20	19100	1900	QPSK/1#0
	CA_2A-12A	2	20	19100	1900	QPSK/1#0
	CA_2A-66A	2	20	19100	1900	QPSK/1#0
	CA_4A-5A	4	20	20175	1732.5	QPSK/1#0
	CA_4A-7A	4	20	20175	1732.5	QPSK/1#0
	CA_4A-12A	4	20	20175	1732.5	QPSK/1#0
	CA_5A-7A	5	10	20525	836.5	QPSK/1#0
	CA_5A-66A	5	10	20525	836.5	QPSK/1#0
	CA_7A-66A	7	20	20850	2510	QPSK/1#0
	CA_12A-66A	12	10	23060	704	QPSK/1#0

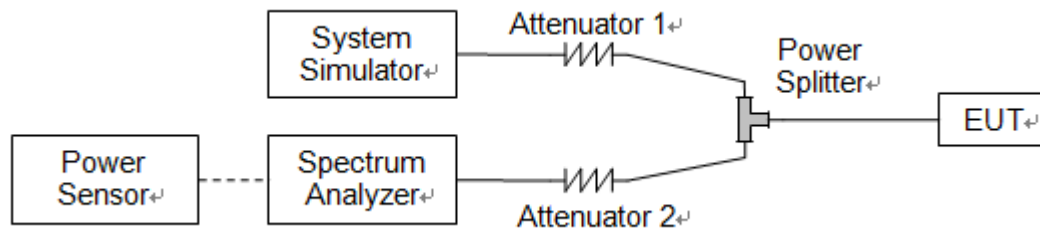
SCC					
Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	EIRP(W)
4	Ant 1	20	20175	20.66	0.116
5	Ant 5	10	20525	20.39	0.109
7	Ant 4	20	20850	21.45	0.140
12	Ant 5	10	23060	20.52	0.113
66	Ant 1	20	132322	20.23	0.105
5	Ant 5	10	20525	20.16	0.104
7	Ant 4	20	20850	21.12	0.129
12	Ant 5	10	23060	20.35	0.108
7	Ant 4	20	20850	21.42	0.139
66	Ant 1	20	132322	20.45	0.111
66	20	20	132322	21.23	0.133
66	20	20	132322	20.36	0.109

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



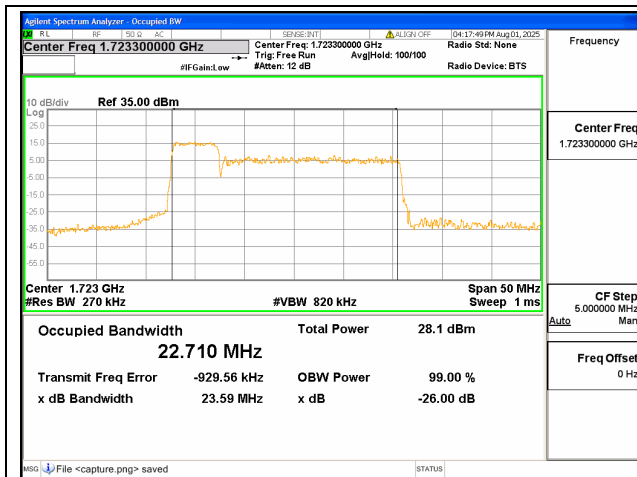
LTE Band	BW(MHz)	Channel Level	PCC CH	SCC CH	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
66C	5+20	Low	132005	132122	QPSK	22.710	23.588	PASS
66C	5+20	Low	132005	132122	16QAM	22.796	23.553	PASS
66C	5+20	Low	132005	132122	64QAM	22.640	23.579	PASS
66C	5+20	Mid	132330	132447	QPSK	22.704	23.547	PASS
66C	5+20	Mid	132330	132447	16QAM	22.789	23.541	PASS
66C	5+20	Mid	132330	132447	64QAM	22.623	23.621	PASS
66C	5+20	High	132455	132572	QPSK	22.650	23.633	PASS
66C	5+20	High	132455	132572	16QAM	22.652	23.529	PASS
66C	5+20	High	132455	132572	64QAM	22.571	23.548	PASS
66C	10+15	Low	132025	132145	QPSK	22.972	23.999	PASS
66C	10+15	Low	132025	132145	16QAM	23.023	23.952	PASS
66C	10+15	Low	132025	132145	64QAM	22.969	24.099	PASS
66C	10+20	Low	132027	132171	QPSK	27.574	28.684	PASS
66C	10+20	Low	132027	132171	16QAM	27.656	28.654	PASS
66C	10+20	Low	132027	132171	64QAM	27.523	28.755	PASS
66C	10+15	Mid	132351	132471	QPSK	23.056	24.116	PASS
66C	10+15	Mid	132351	132471	16QAM	22.966	23.949	PASS
66C	10+15	Mid	132351	132471	64QAM	22.948	23.968	PASS
66C	10+20	Mid	132328	132472	QPSK	27.556	28.739	PASS
66C	10+20	Mid	132328	132472	16QAM	27.520	28.614	PASS
66C	10+20	Mid	132328	132472	64QAM	27.418	28.656	PASS
66C	10+15	High	132477	132597	QPSK	23.063	23.996	PASS
66C	10+15	High	132477	132597	16QAM	22.957	23.946	PASS
66C	10+15	High	132477	132597	64QAM	22.924	24.074	PASS
66C	10+20	High	132428	132572	QPSK	27.572	28.684	PASS
66C	10+20	High	132428	132572	16QAM	27.634	28.655	PASS
66C	10+20	High	132428	132572	64QAM	27.482	28.666	PASS
66C	15+10	Low	132047	132167	QPSK	23.091	24.206	PASS
66C	15+10	Low	132047	132167	16QAM	23.047	24.194	PASS
66C	15+10	Low	132047	132167	64QAM	23.024	24.151	PASS
66C	15+15	Low	132047	132197	QPSK	28.184	29.350	PASS
66C	15+15	Low	132047	132197	16QAM	28.187	29.387	PASS
66C	15+15	Low	132047	132197	64QAM	28.156	29.444	PASS
66C	15+20	Low	132050	132221	QPSK	32.425	33.821	PASS
66C	15+20	Low	132050	132221	16QAM	32.523	33.868	PASS



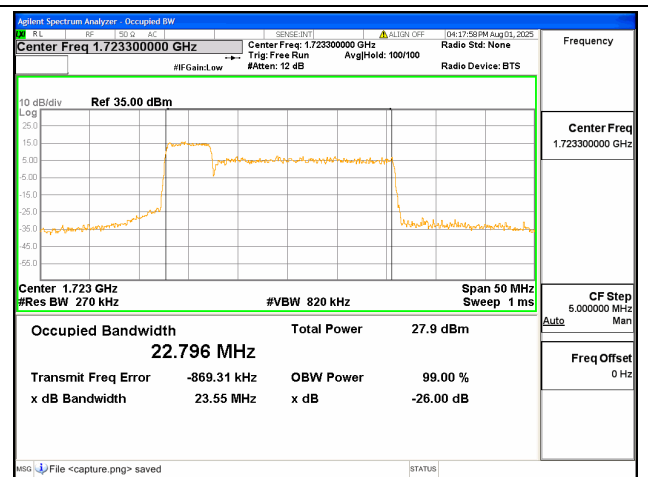
66C	15+20	Low	132050	132221	64QAM	32.420	33.768	PASS
66C	15+10	Mid	132373	132493	QPSK	22.989	24.249	PASS
66C	15+10	Mid	132373	132493	16QAM	23.032	24.182	PASS
66C	15+10	Mid	132373	132493	64QAM	23.010	24.198	PASS
66C	15+15	Mid	132347	132497	QPSK	28.241	29.579	PASS
66C	15+15	Mid	132347	132497	16QAM	28.223	29.428	PASS
66C	15+15	Mid	132347	132497	64QAM	28.159	29.411	PASS
66C	15+20	Mid	132325	132496	QPSK	32.487	33.836	PASS
66C	15+20	Mid	132325	132496	16QAM	32.476	33.811	PASS
66C	15+20	Mid	132325	132496	64QAM	32.377	33.823	PASS
66C	15+10	High	132499	132619	QPSK	23.039	24.108	PASS
66C	15+10	High	132499	132619	16QAM	22.999	24.188	PASS
66C	15+10	High	132499	132619	64QAM	23.010	24.133	PASS
66C	15+15	High	132447	132597	QPSK	28.184	29.403	PASS
66C	15+15	High	132447	132597	16QAM	28.263	29.376	PASS
66C	15+15	High	132447	132597	64QAM	28.150	29.498	PASS
66C	15+20	High	132401	132572	QPSK	32.484	33.954	PASS
66C	15+20	High	132401	132572	16QAM	32.576	33.886	PASS
66C	15+20	High	132401	132572	64QAM	32.338	33.851	PASS
66C	20+10	Low	132072	132216	QPSK	27.641	28.923	PASS
66C	20+10	Low	132072	132216	16QAM	27.659	28.970	PASS
66C	20+10	Low	132072	132216	64QAM	27.639	28.744	PASS
66C	20+15	Low	132072	132243	QPSK	32.583	33.854	PASS
66C	20+15	Low	132072	132243	16QAM	32.514	33.901	PASS
66C	20+15	Low	132072	132243	64QAM	32.463	33.938	PASS
66C	20+5	Low	132072	132189	QPSK	22.790	23.881	PASS
66C	20+5	Low	132072	132189	16QAM	22.798	23.759	PASS
66C	20+5	Low	132072	132189	64QAM	22.752	23.894	PASS
66C	20+20	Low	132072	132270	QPSK	37.379	39.023	PASS
66C	20+20	Low	132072	132270	16QAM	37.467	38.989	PASS
66C	20+20	Low	132072	132270	64QAM	37.285	38.802	PASS
66C	20+10	Mid	132373	132517	QPSK	27.622	29.072	PASS
66C	20+10	Mid	132373	132517	16QAM	27.640	28.895	PASS
66C	20+10	Mid	132373	132517	64QAM	27.666	28.886	PASS
66C	20+15	Mid	132348	132519	QPSK	32.510	34.041	PASS
66C	20+15	Mid	132348	132519	16QAM	32.546	33.949	PASS
66C	20+15	Mid	132348	132519	64QAM	32.449	34.007	PASS
66C	20+5	Mid	132397	132514	QPSK	22.766	23.848	PASS



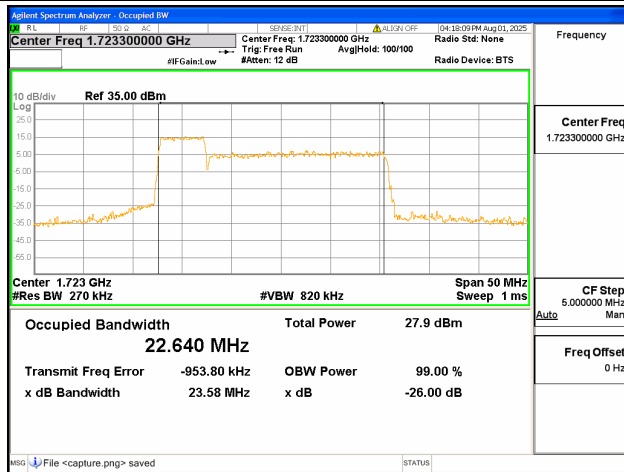
66C	20+5	Mid	132397	132514	16QAM	22.792	23.855	PASS
66C	20+5	Mid	132397	132514	64QAM	22.796	23.897	PASS
66C	20+20	Mid	132323	132521	QPSK	37.338	39.062	PASS
66C	20+20	Mid	132323	132521	16QAM	37.454	38.923	PASS
66C	20+20	Mid	132323	132521	64QAM	37.282	38.975	PASS
66C	20+10	High	132473	132617	QPSK	27.599	28.976	PASS
66C	20+10	High	132473	132617	16QAM	27.623	28.843	PASS
66C	20+10	High	132473	132617	64QAM	27.620	28.931	PASS
66C	20+15	High	132423	132594	QPSK	32.531	34.163	PASS
66C	20+15	High	132423	132594	16QAM	32.566	33.964	PASS
66C	20+15	High	132423	132594	64QAM	32.476	33.770	PASS
66C	20+5	High	132522	132639	QPSK	22.783	23.977	PASS
66C	20+5	High	132522	132639	16QAM	22.811	23.870	PASS
66C	20+5	High	132522	132639	64QAM	22.762	23.796	PASS
66C	20+20	High	132374	132572	QPSK	37.396	39.050	PASS
66C	20+20	High	132374	132572	16QAM	37.335	38.966	PASS
66C	20+20	High	132374	132572	64QAM	37.316	39.071	PASS



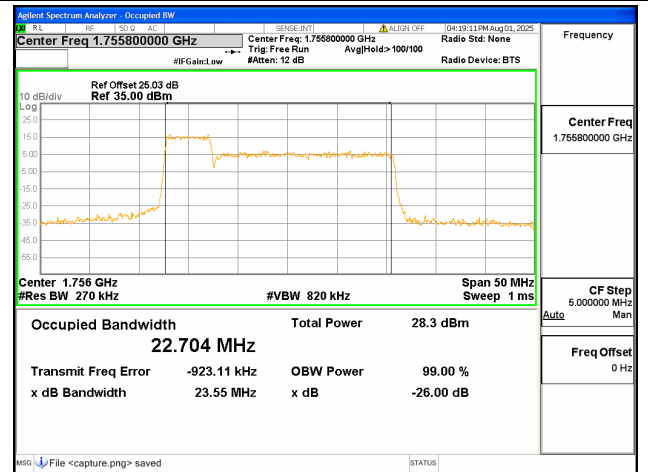
66C / 5+20MHz / QPSK/ Low CH



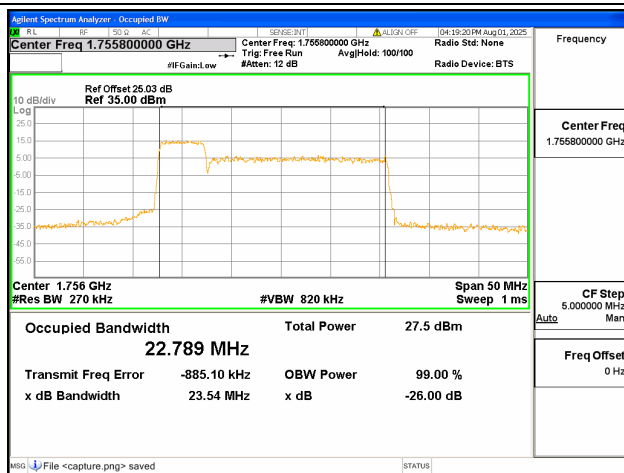
66C / 5+20MHz / 16QAM/ Low CH



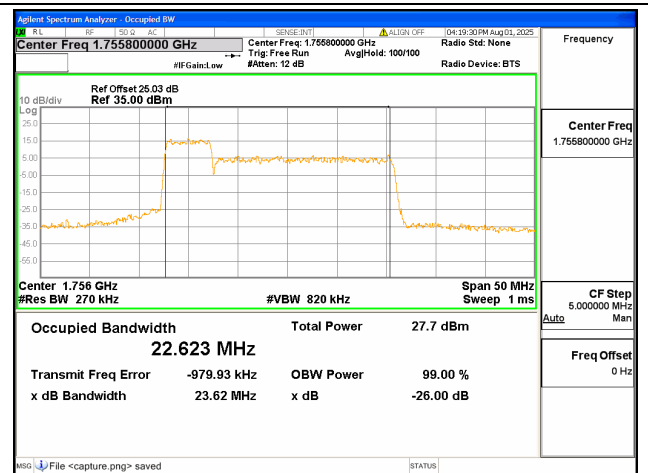
66C / 5+20MHz / 64QAM/ Low CH



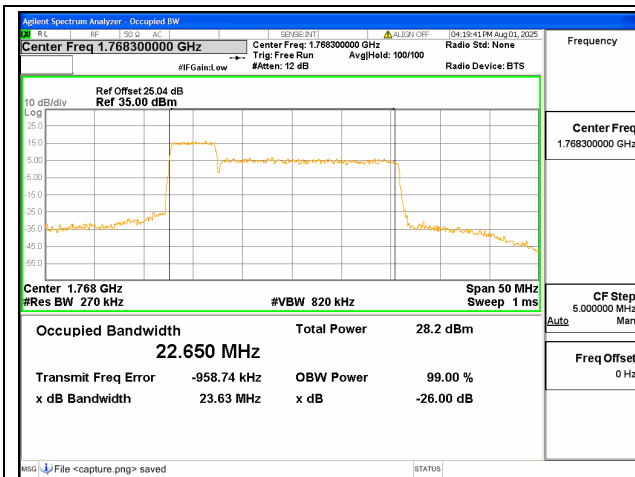
66C / 5+20MHz / QPSK/ Mid CH



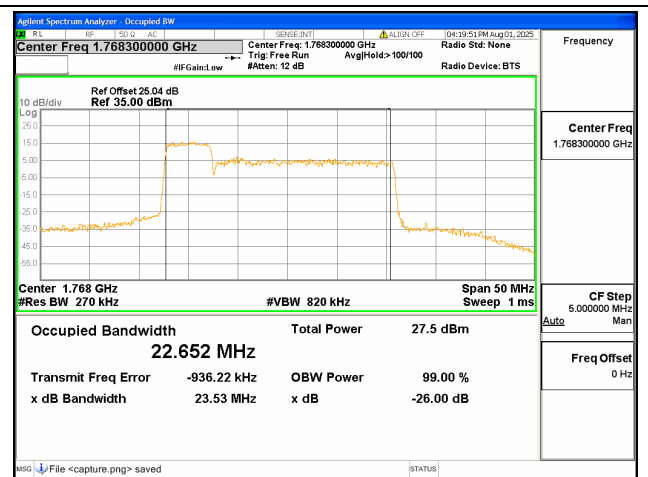
66C / 5+20MHz / 16QAM/ Mid CH



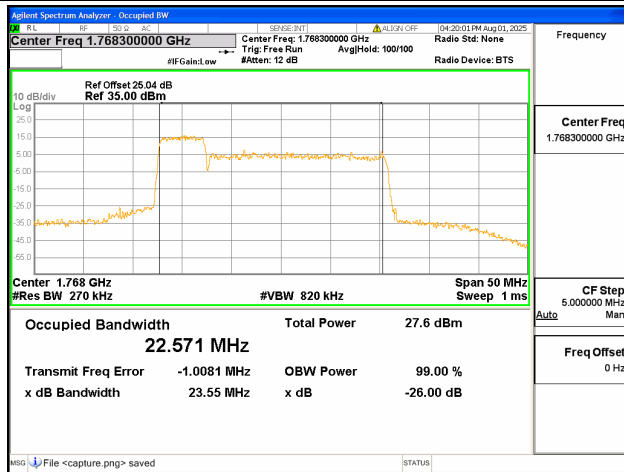
66C / 5+20MHz / 64QAM/ Mid CH



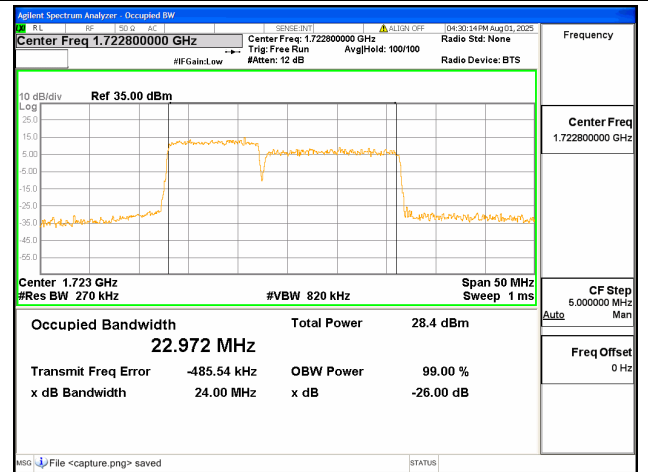
66C / 5+20MHz / QPSK/ High CH



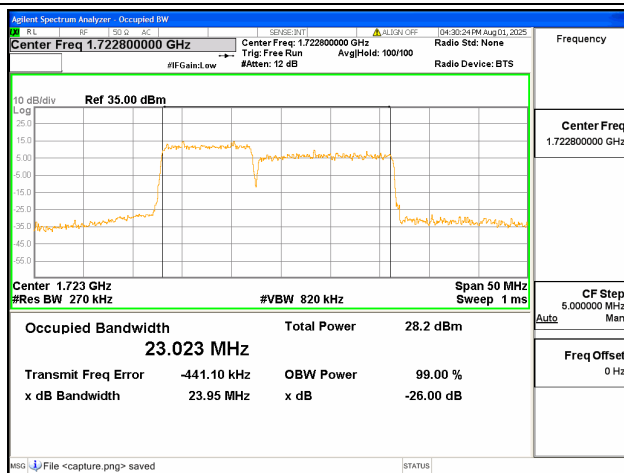
66C / 5+20MHz / 16QAM/ High CH



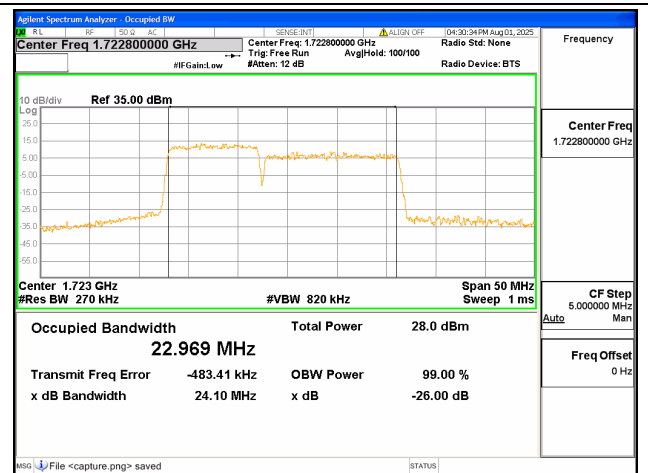
66C / 5+20MHz / 64QAM/ High CH



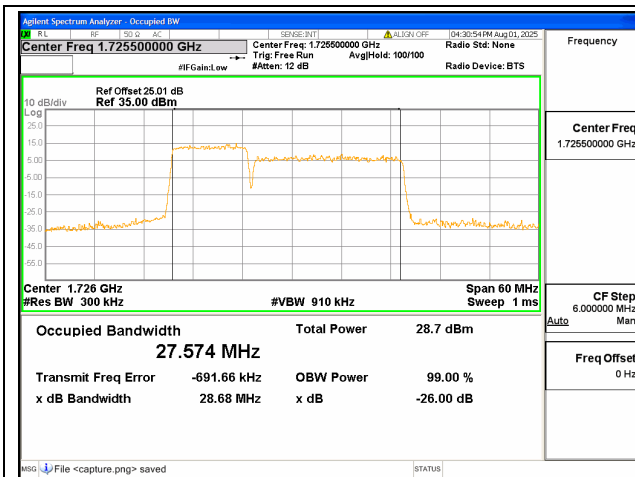
66C / 10+15MHz / QPSK/ Low CH



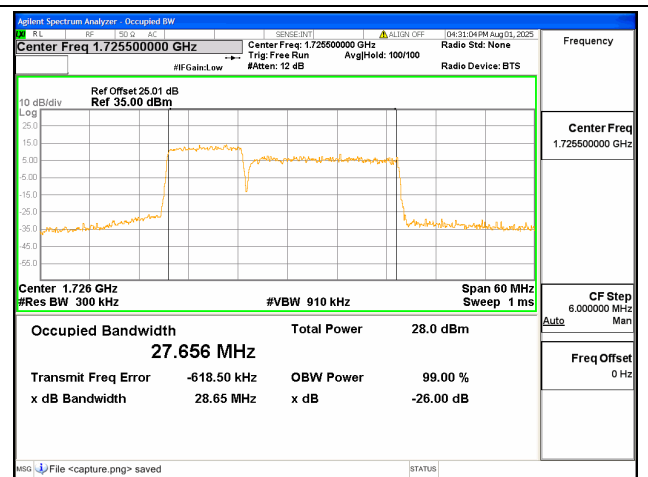
66C / 10+15MHz / 16QAM/ Low CH



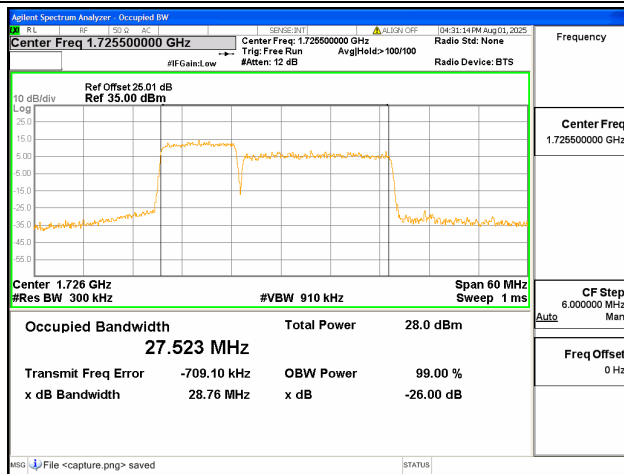
66C / 10+15MHz / 64QAM/ Low CH



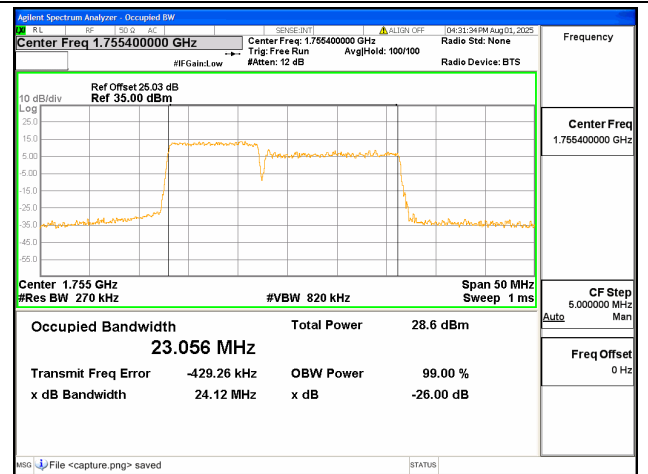
66C / 10+20MHz / QPSK/ Low CH



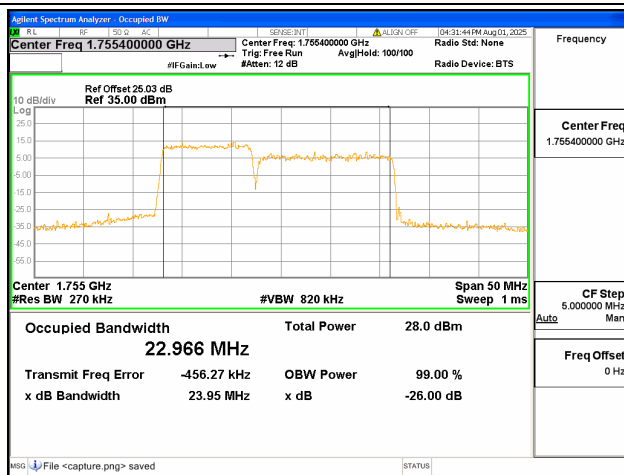
66C / 10+20MHz / 16QAM/ Low CH



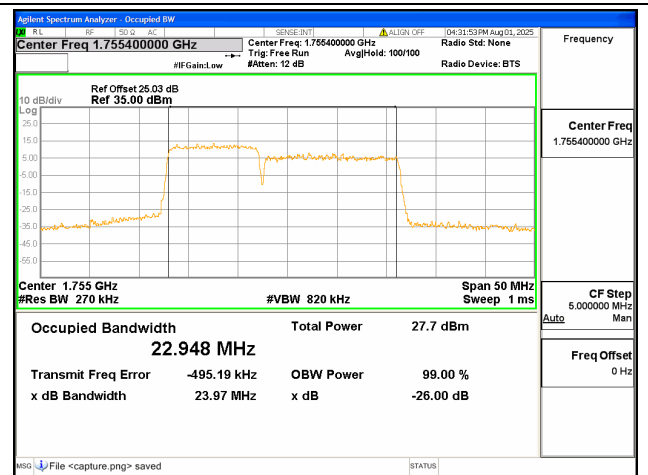
66C / 10+20MHz / 64QAM/ Low CH



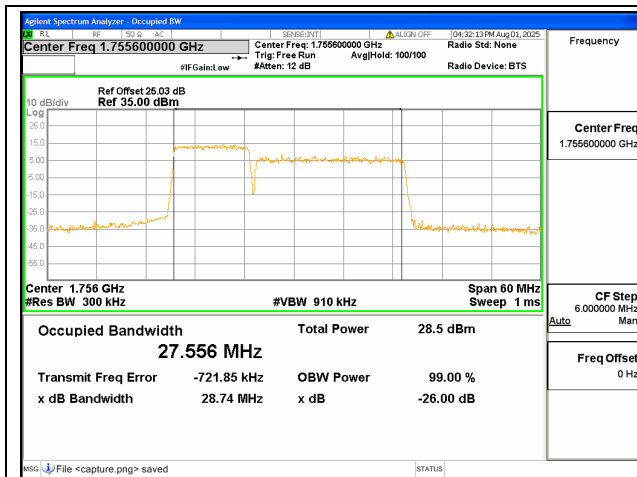
66C / 10+15MHz / QPSK/ Mid CH



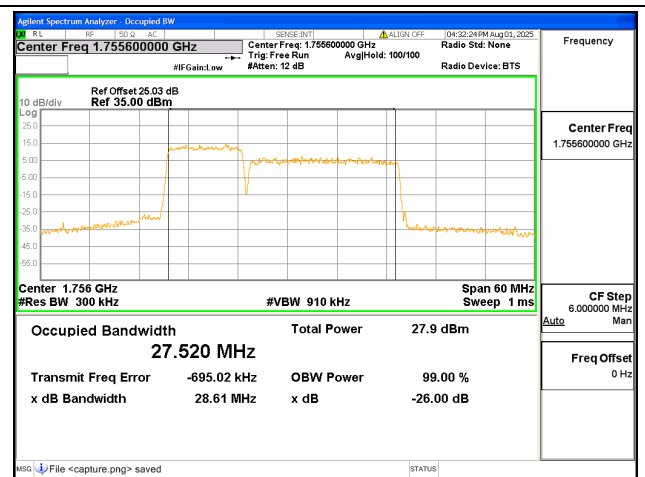
66C / 10+15MHz / 16QAM/ Mid CH



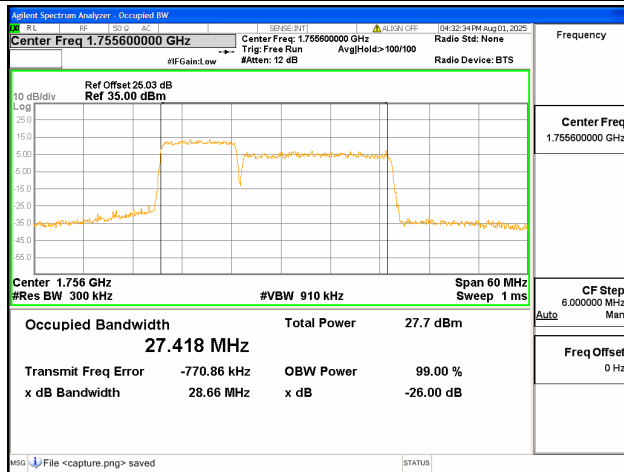
66C / 10+15MHz / 64QAM/ Mid CH



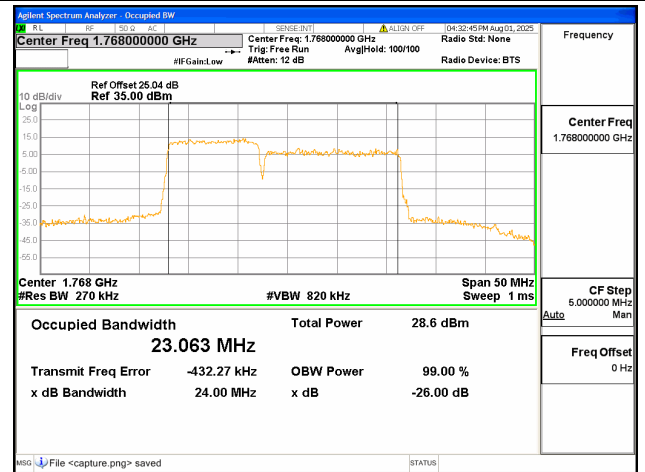
66C / 10+20MHz / QPSK/ Mid CH



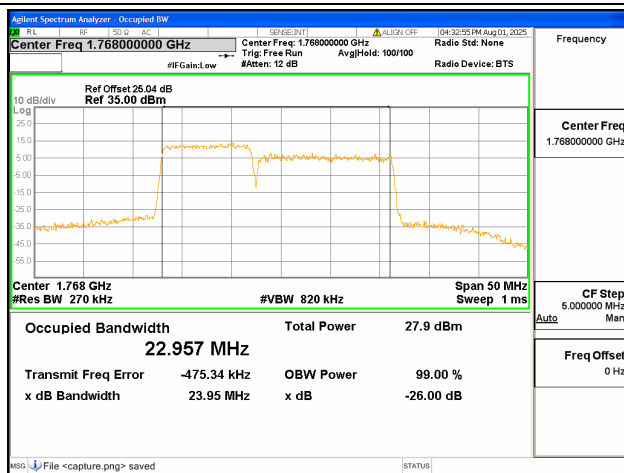
66C / 10+20MHz / 16QAM/ Mid CH



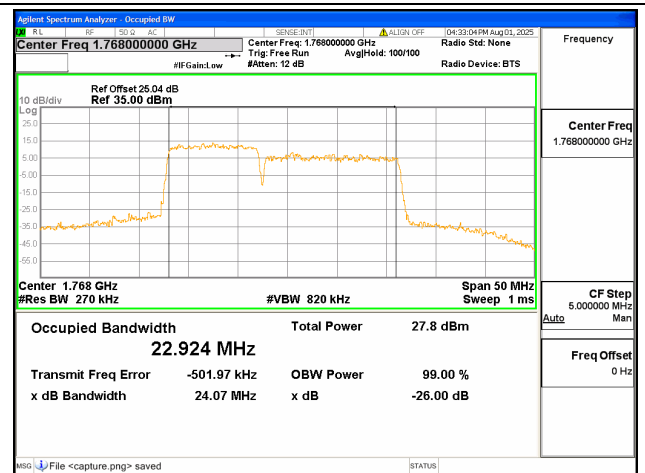
66C / 10+20MHz / 64QAM/ Mid CH



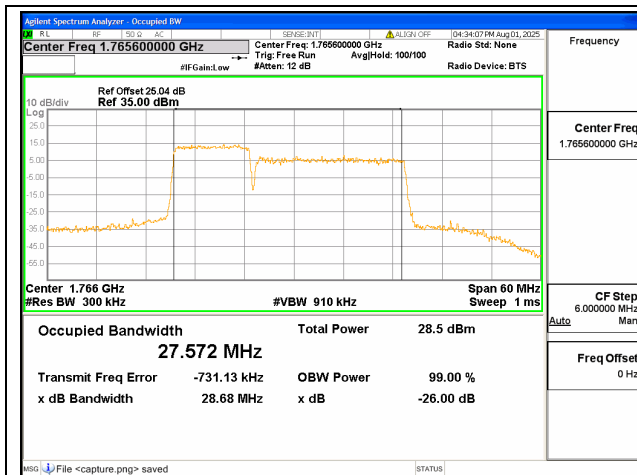
66C / 10+15MHz / QPSK/ High CH



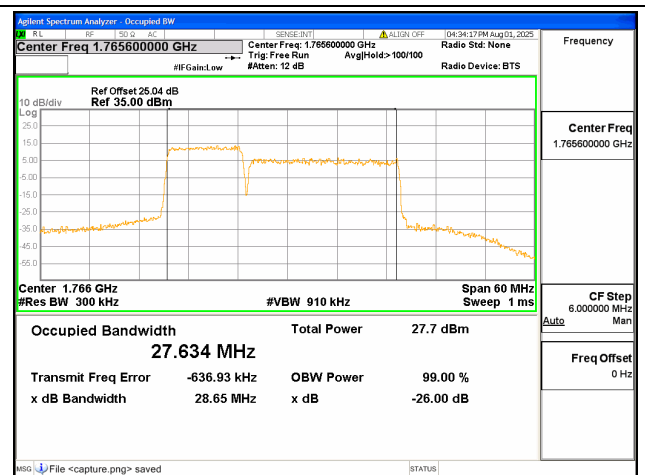
66C / 10+15MHz / 16QAM/ High CH



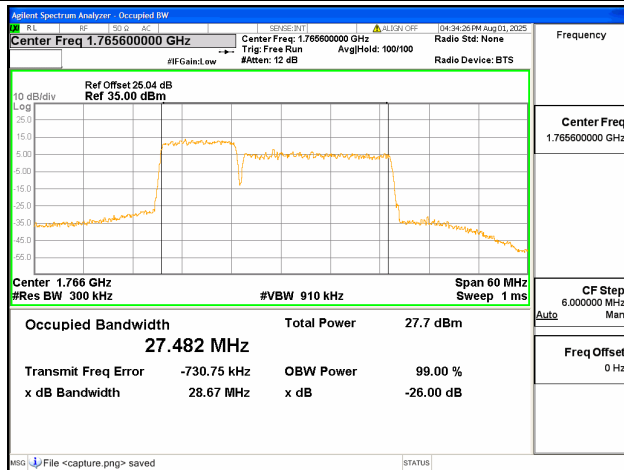
66C / 10+15MHz / 64QAM/ High CH



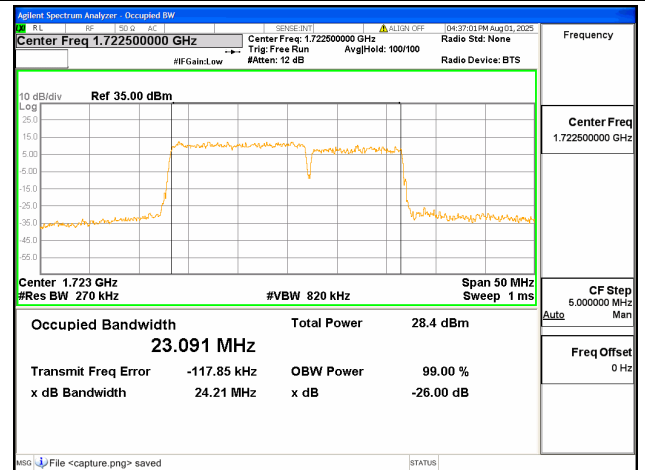
66C / 10+20MHz / QPSK/ High CH



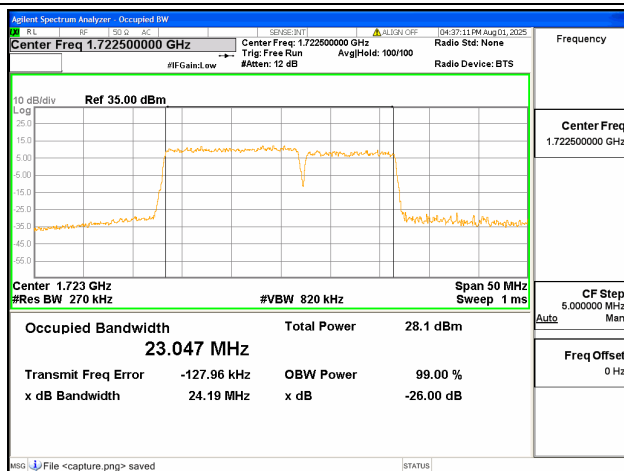
66C / 10+20MHz / 16QAM/ High CH



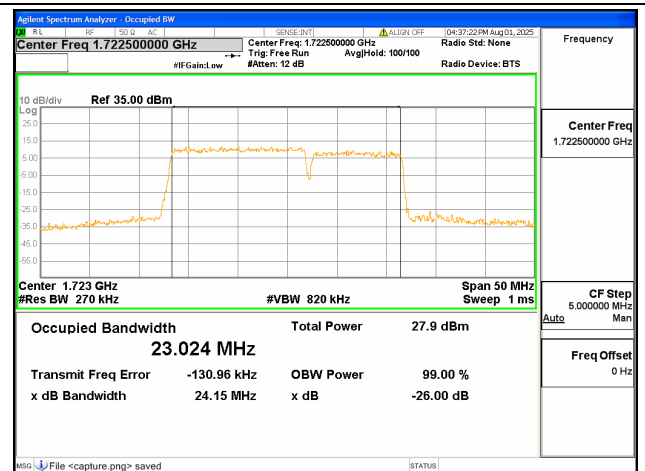
66C / 10+20MHz / 64QAM/ High CH



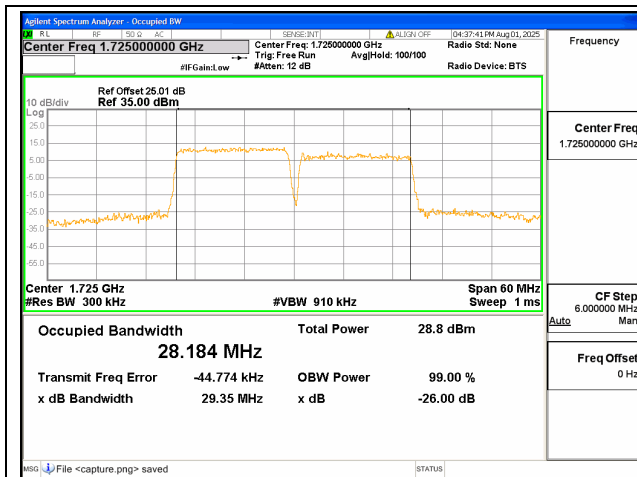
66C / 15+10MHz / QPSK/ Low CH



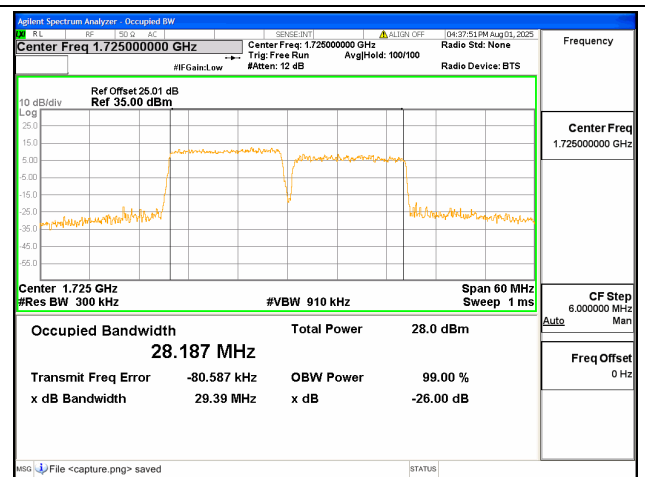
66C / 15+10MHz / 16QAM/ Low CH



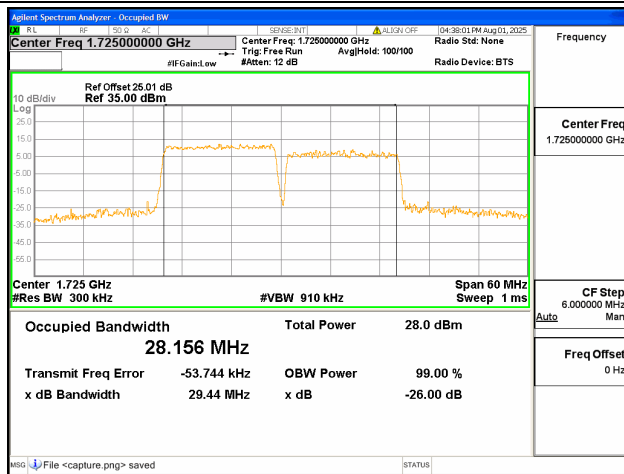
66C / 15+10MHz / 64QAM/ Low CH



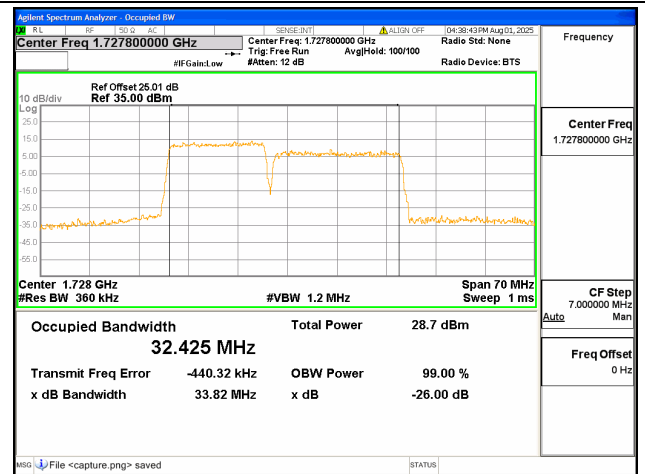
66C / 15+15MHz / QPSK/ Low CH



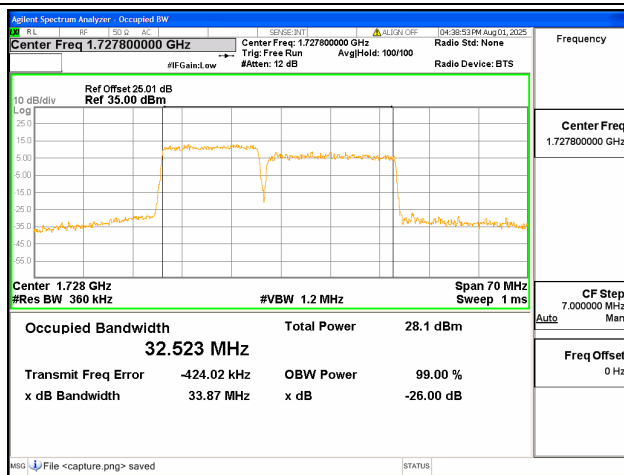
66C / 15+15MHz / 16QAM/ Low CH



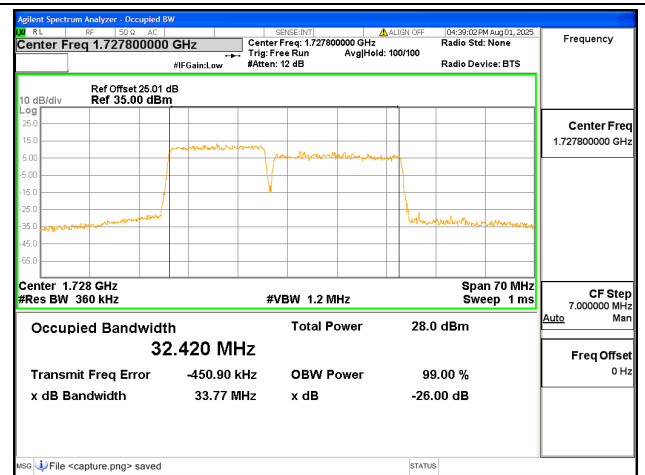
66C / 15+15MHz / 64QAM/ Low CH



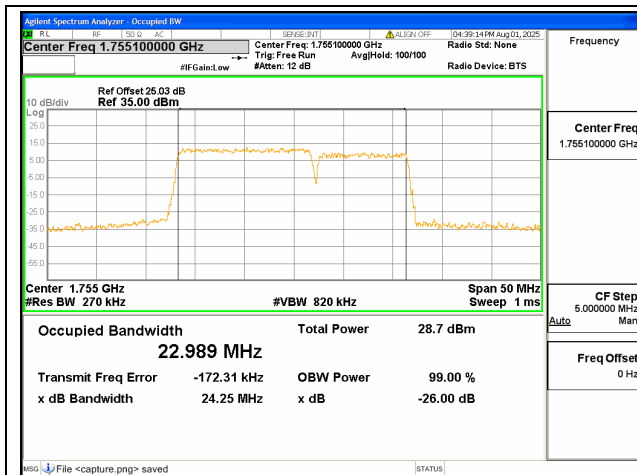
66C / 15+20MHz / QPSK/ Low CH



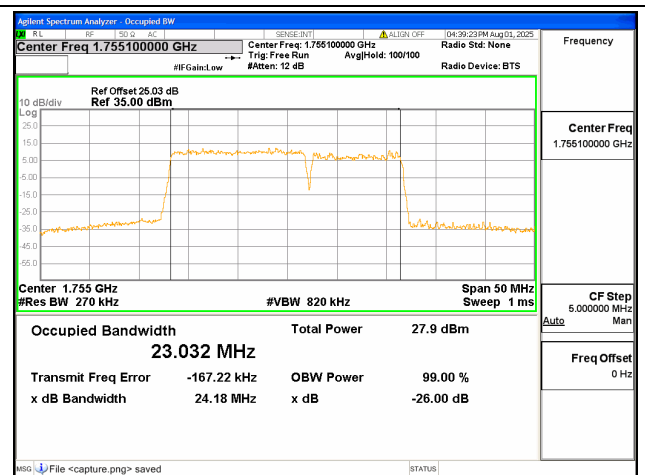
66C / 15+20MHz / 16QAM/ Low CH



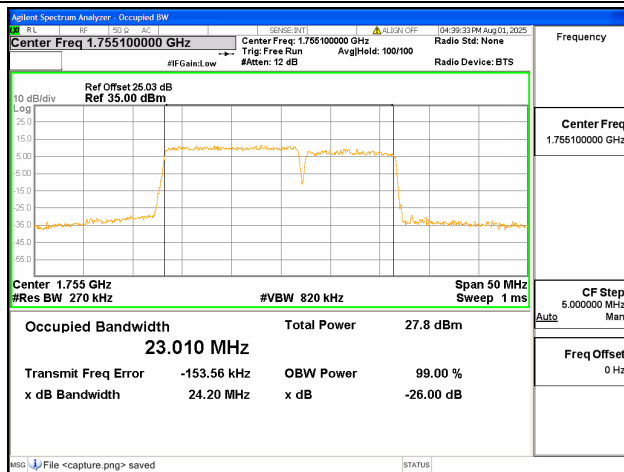
66C / 15+20MHz / 64QAM/ Low CH



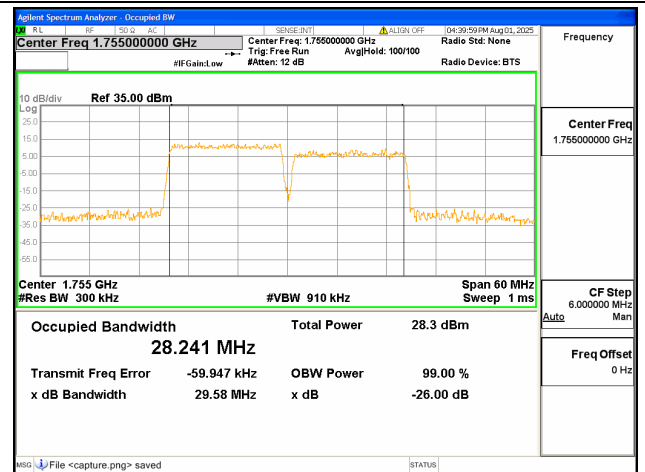
66C / 15+10MHz / QPSK/ Mid CH



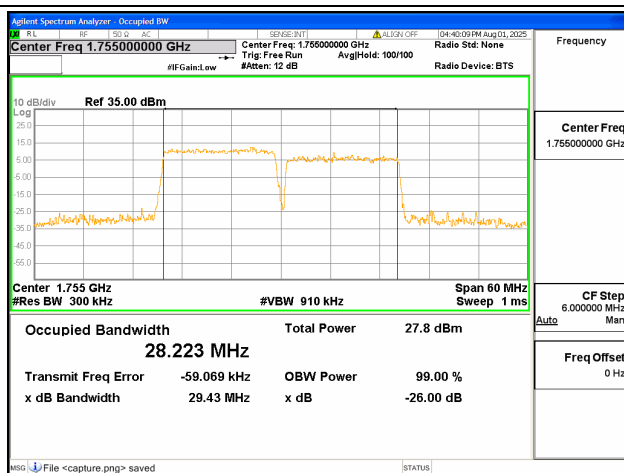
66C / 15+10MHz / 16QAM/ Mid CH



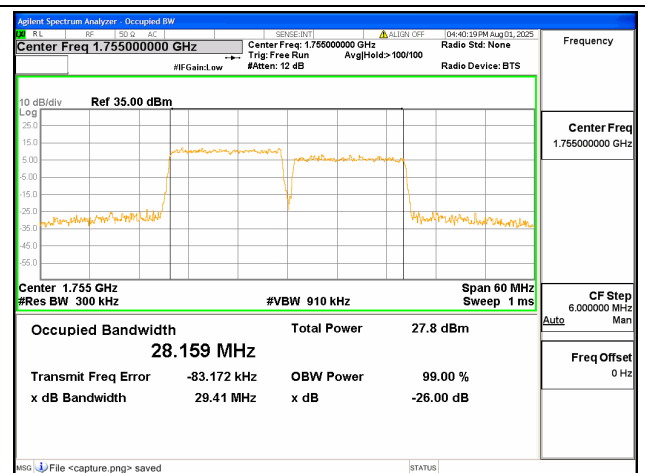
66C / 15+10MHz / 64QAM/ Mid CH



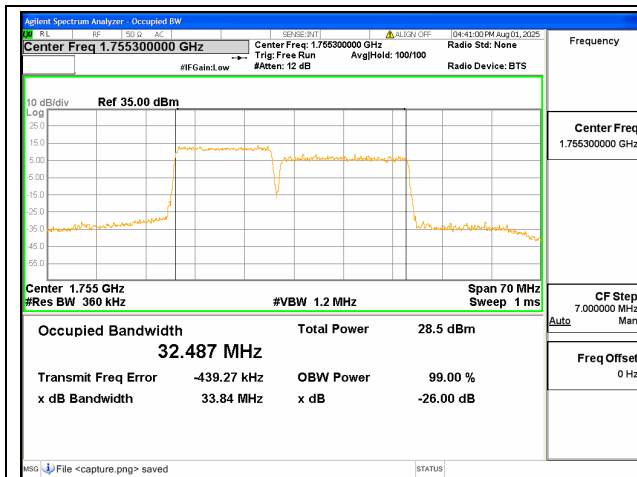
66C / 15+15MHz / QPSK/ Mid CH



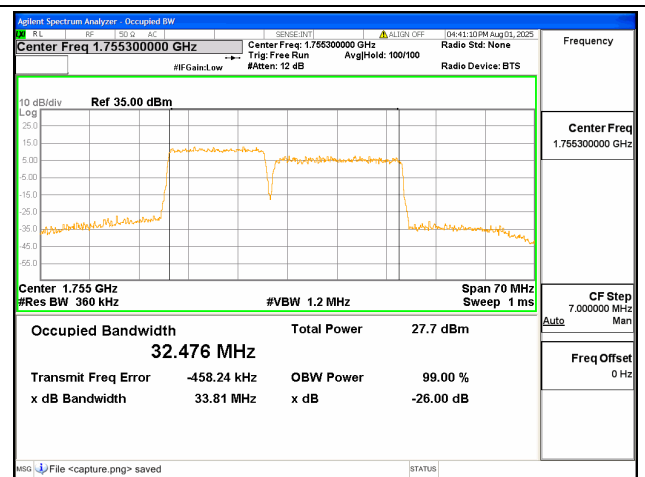
66C / 15+15MHz / 16QAM/ Mid CH



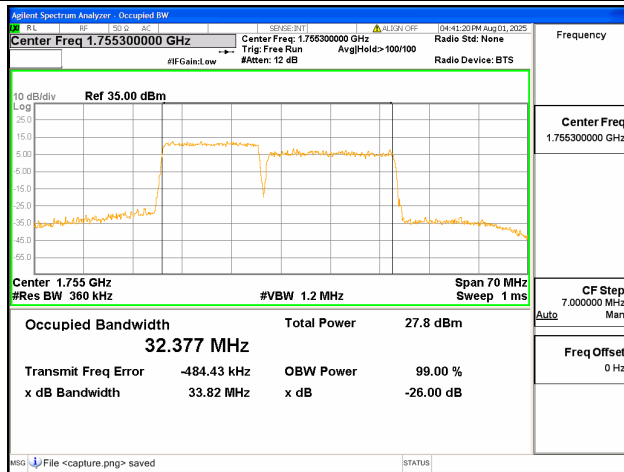
66C / 15+15MHz / 64QAM/ Mid CH



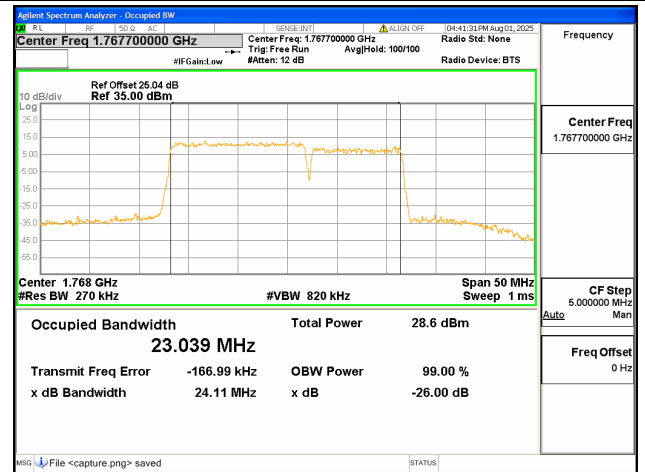
66C / 15+20MHz / QPSK/ Mid CH



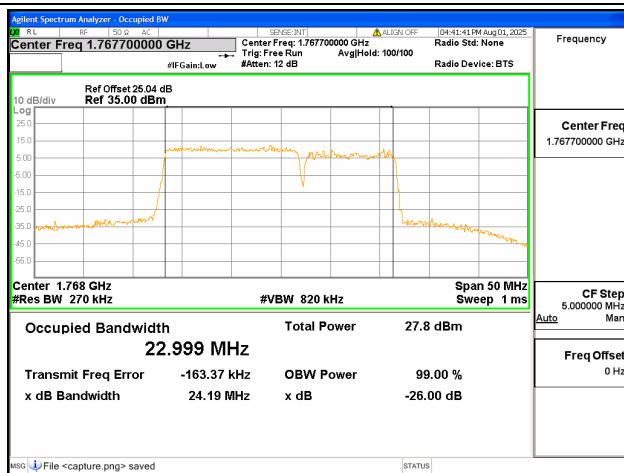
66C / 15+20MHz / 16QAM/ Mid CH



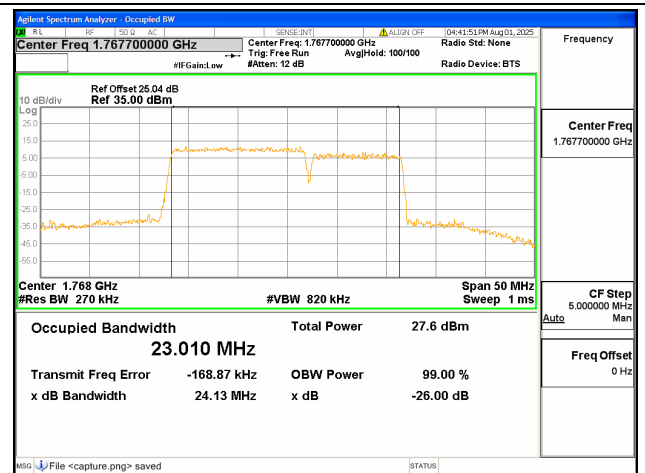
66C / 15+20MHz / 64QAM/ Mid CH



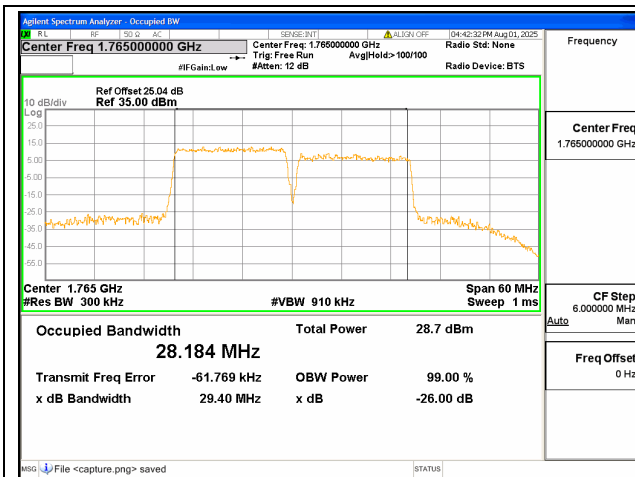
66C / 15+10MHz / QPSK/ High CH



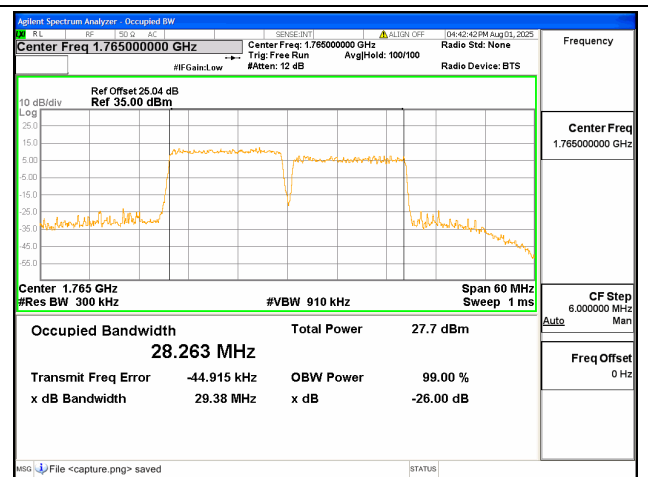
66C / 15+10MHz / 16QAM/ High CH



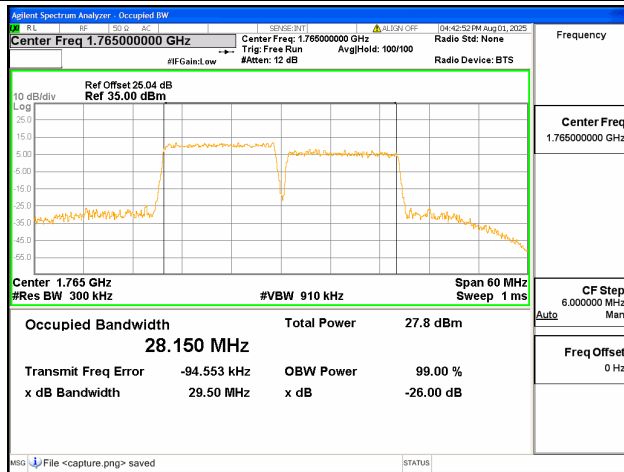
66C / 15+10MHz / 64QAM/ High CH



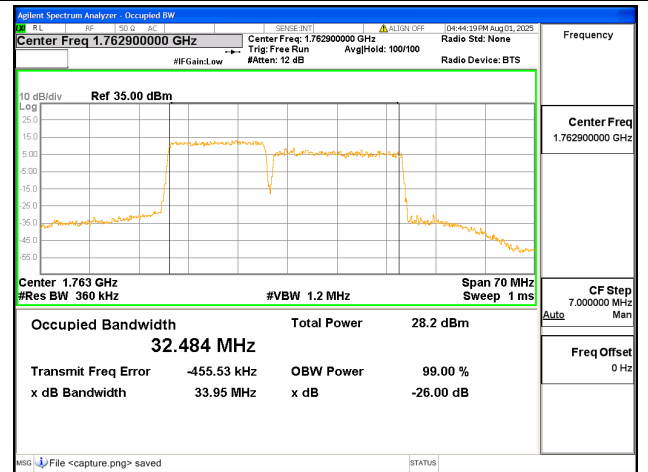
66C / 15+15MHz / QPSK/ High CH



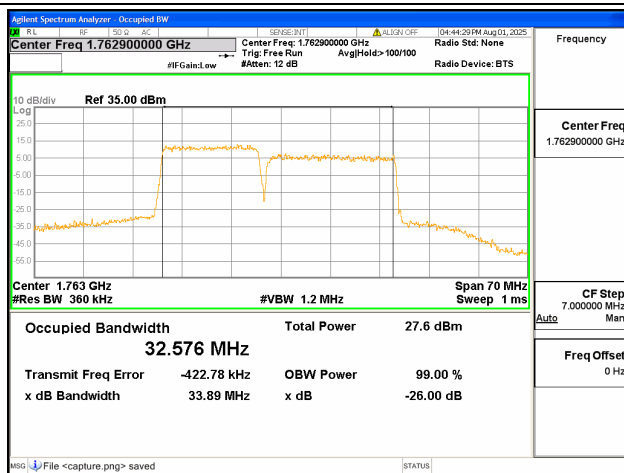
66C / 15+15MHz / 16QAM/ High CH



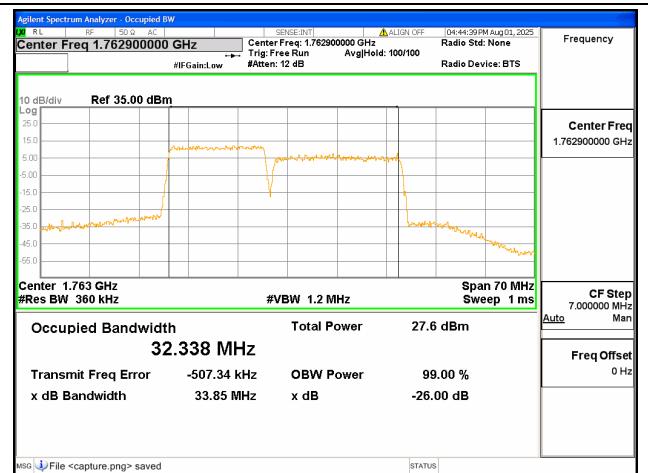
66C / 15+15MHz / 64QAM/ High CH



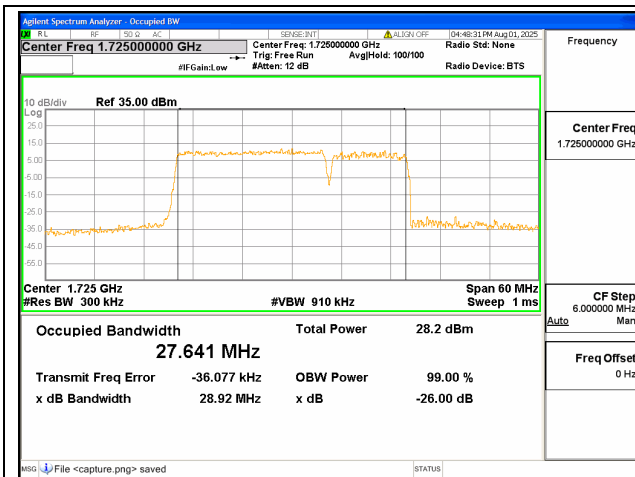
66C / 15+20MHz / QPSK/ High CH



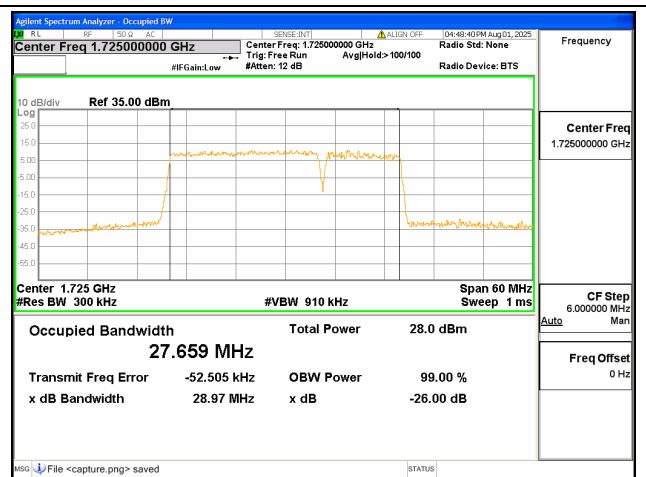
66C / 15+20MHz / 16QAM/ High CH



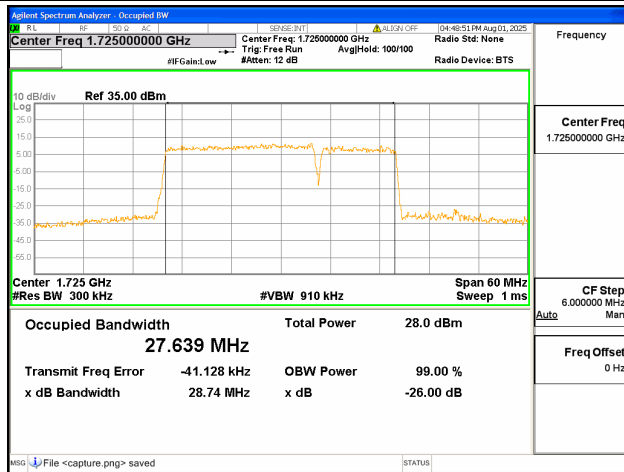
66C / 15+20MHz / 64QAM/ High CH



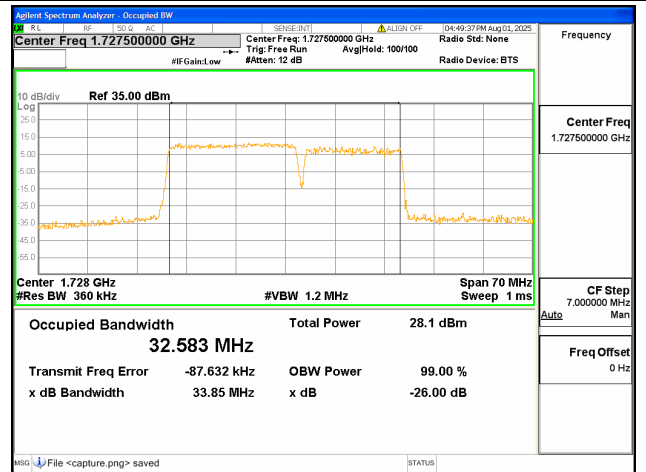
66C / 20+10MHz / QPSK/ Low CH



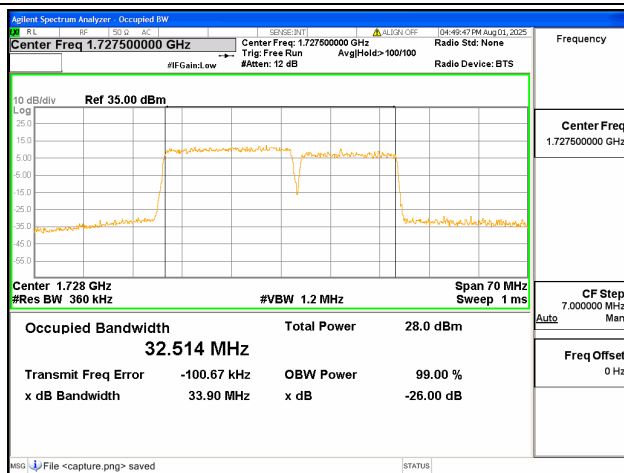
66C / 20+10MHz / 16QAM/ Low CH



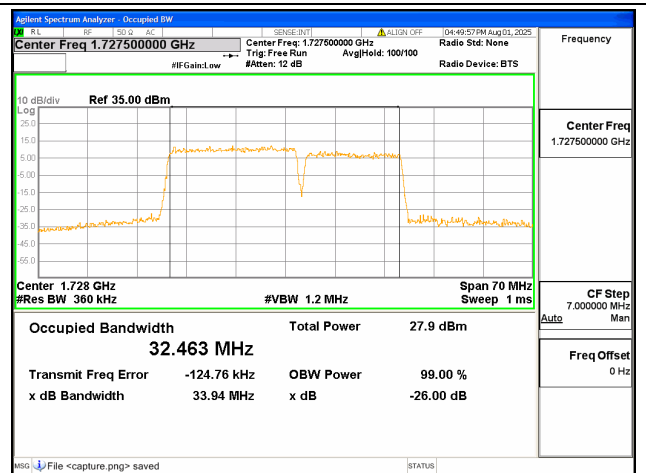
66C / 20+10MHz / 64QAM/ Low CH



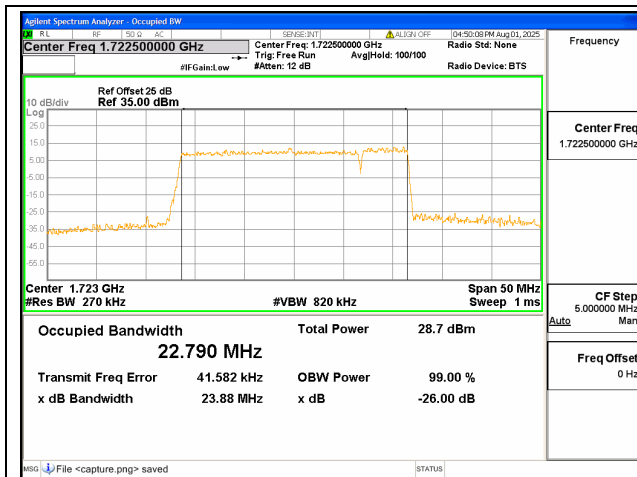
66C / 20+15MHz / QPSK/ Low CH



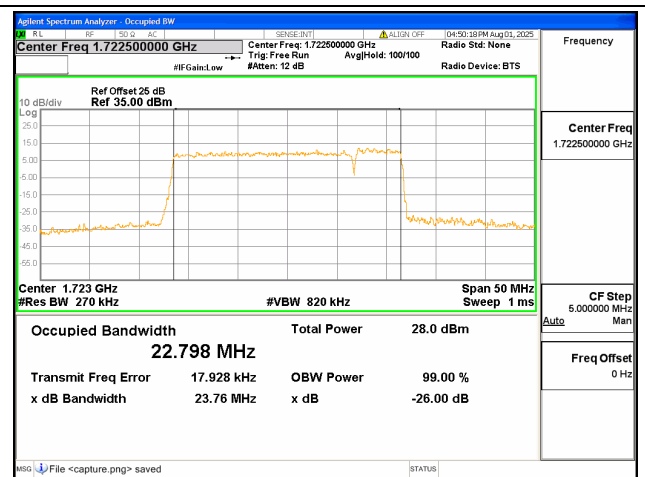
66C / 20+15MHz / 16QAM/ Low CH



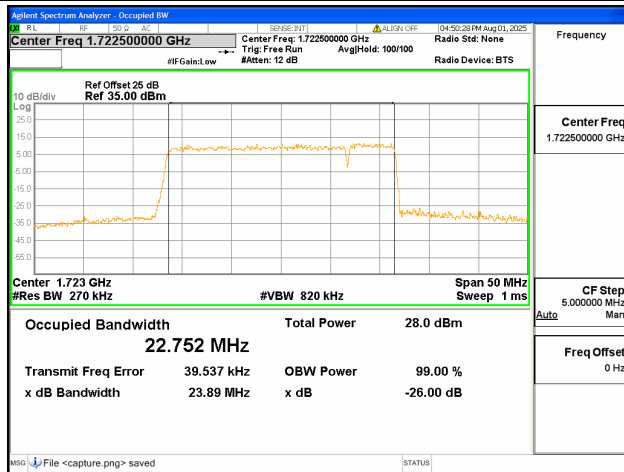
66C / 20+15MHz / 64QAM/ Low CH



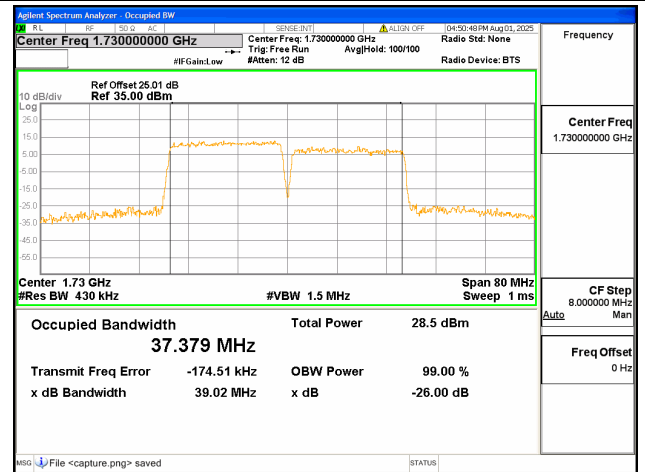
66C / 20+5MHz / QPSK/ Low CH



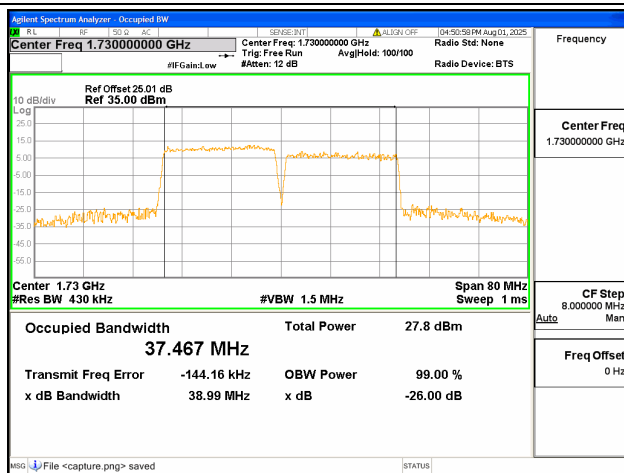
66C / 20+5MHz / 16QAM/ Low CH



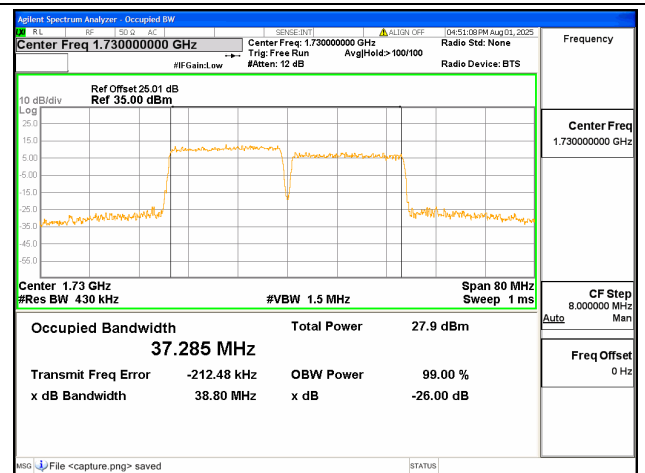
66C / 20+5MHz / 64QAM/ Low CH



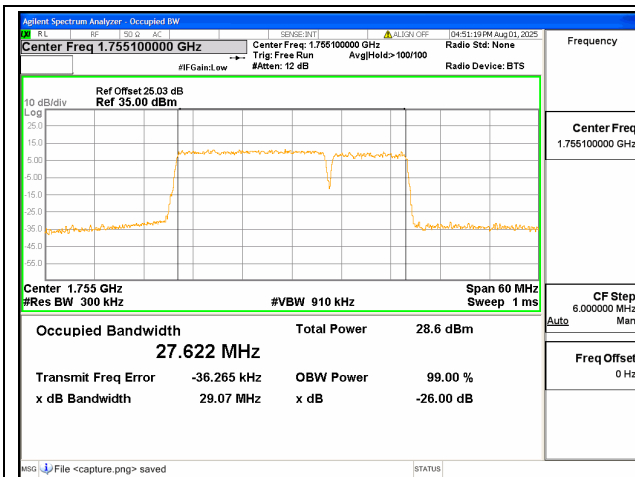
66C / 20+20MHz / QPSK/ Low CH



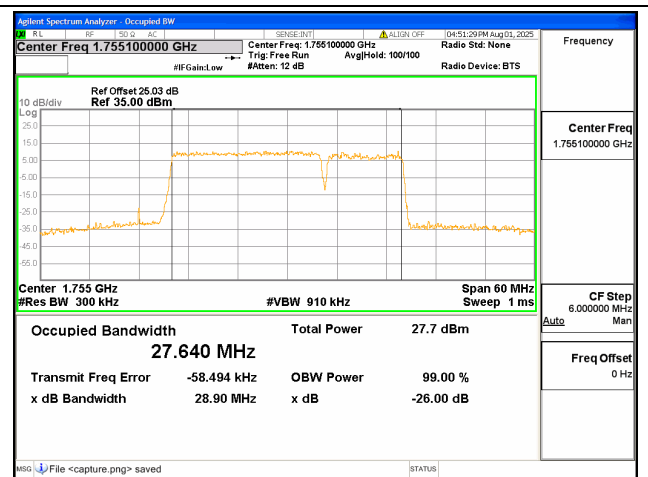
66C / 20+20MHz / 16QAM/ Low CH



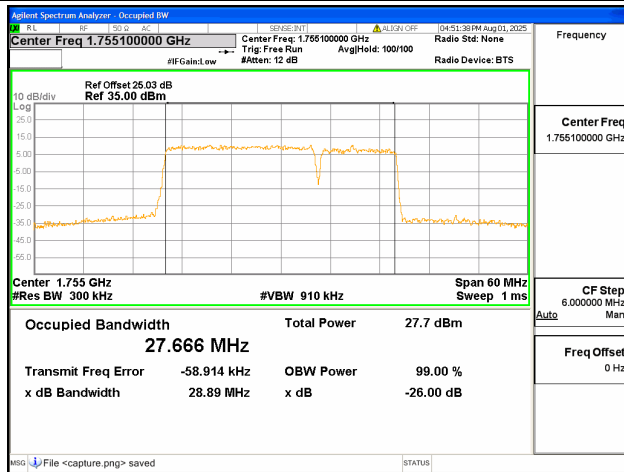
66C / 20+20MHz / 64QAM/ Low CH



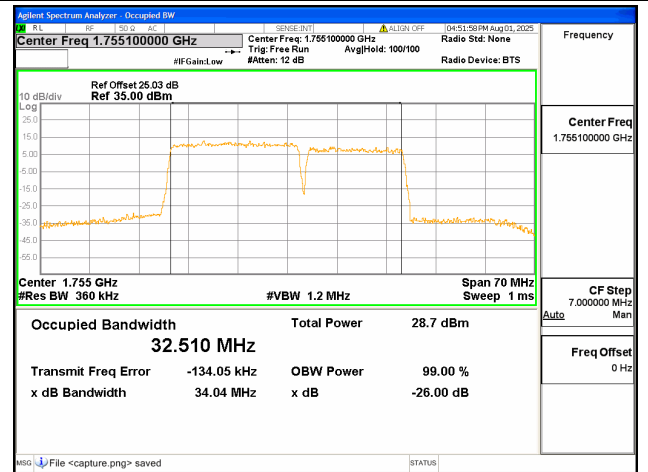
66C / 20+10MHz / QPSK/ Mid CH



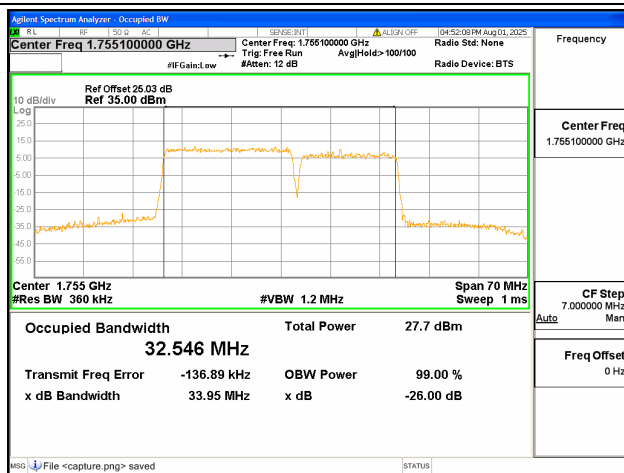
66C / 20+10MHz / 16QAM/ Mid CH



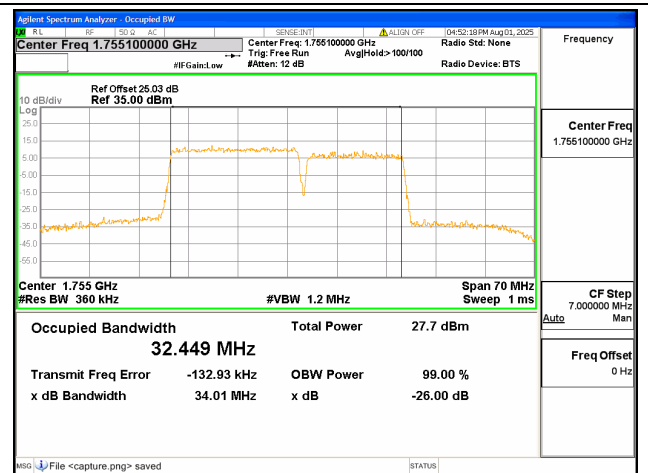
66C / 20+10MHz / 64QAM/ Mid CH



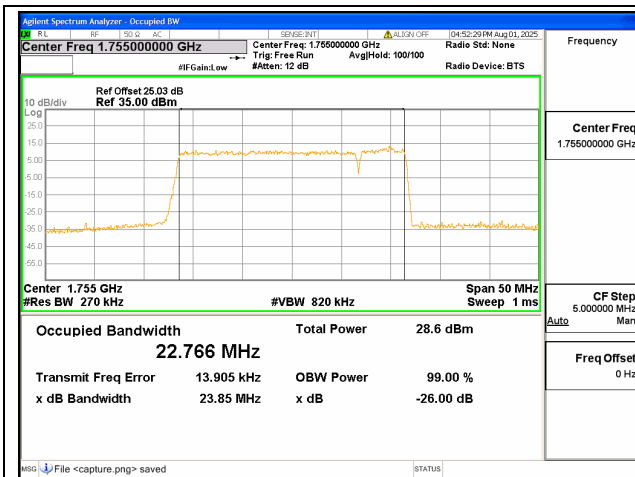
66C / 20+15MHz / QPSK/ Mid CH



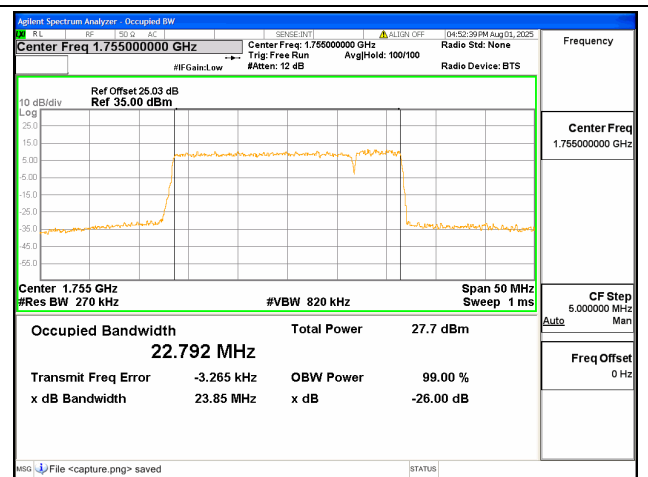
66C / 20+15MHz / 16QAM/ Mid CH



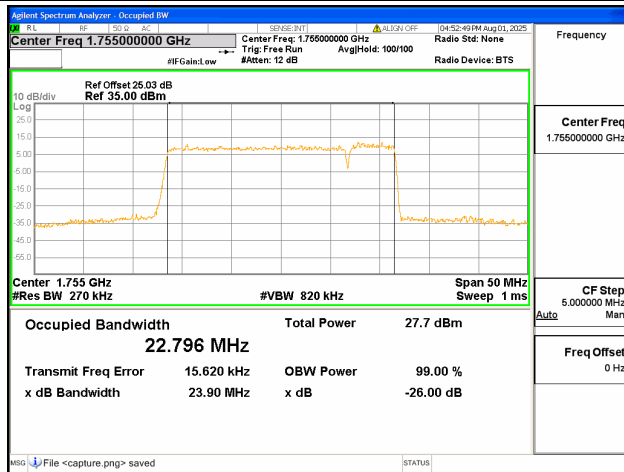
66C / 20+15MHz / 64QAM/ Mid CH



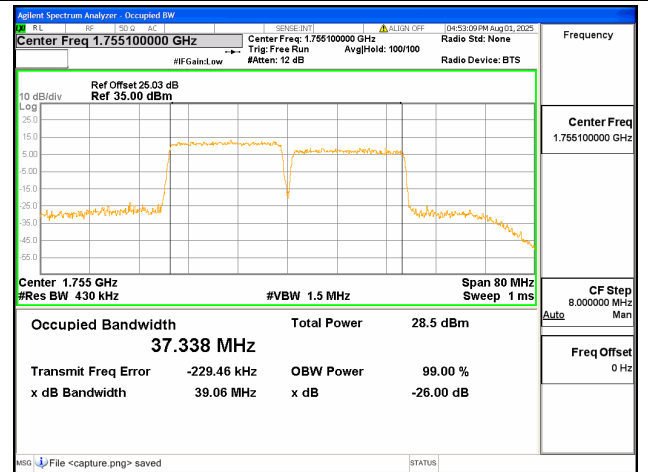
66C / 20+5MHz / QPSK/ Mid CH



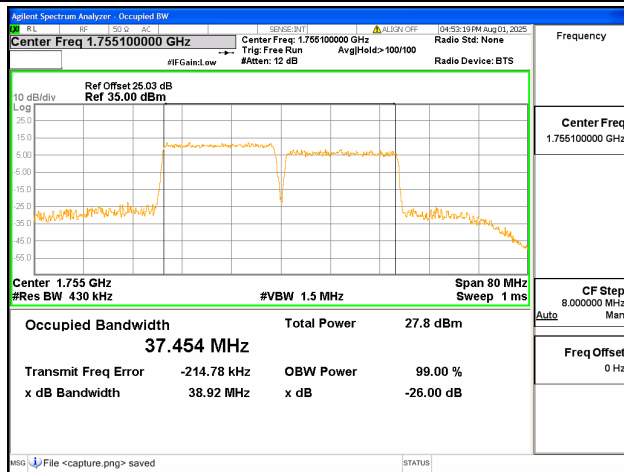
66C / 20+5MHz / 16QAM/ Mid CH



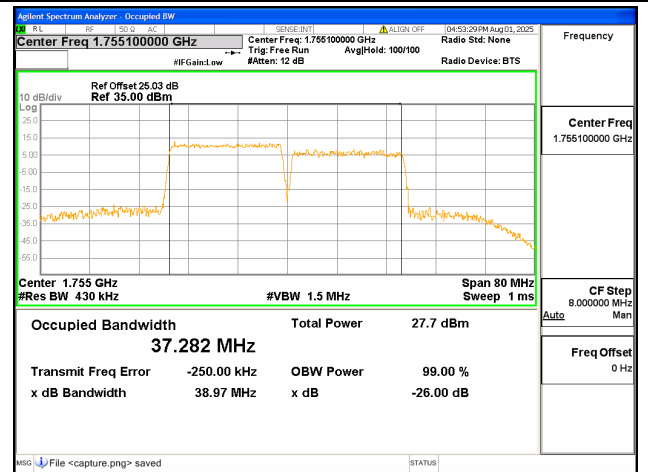
66C / 20+5MHz / 64QAM/ Mid CH



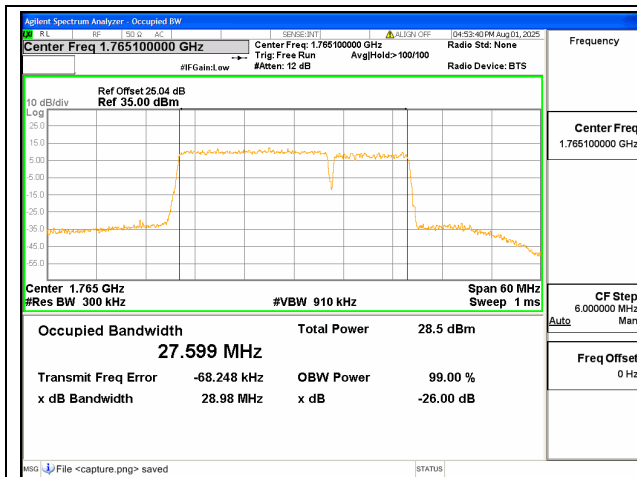
66C / 20+20MHz / QPSK/ Mid CH



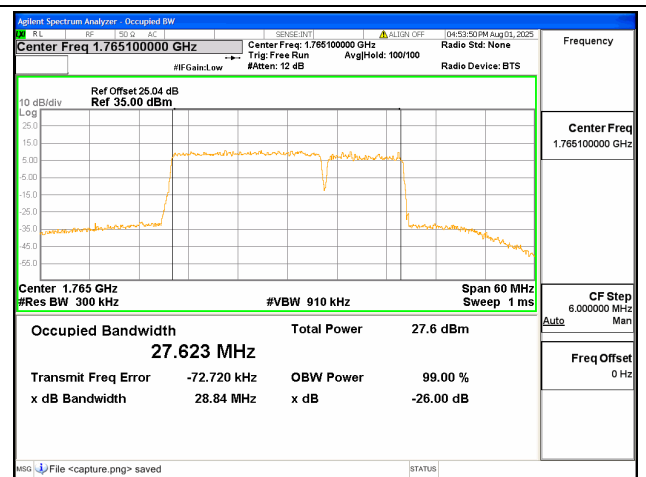
66C / 20+20MHz / 16QAM/ Mid CH



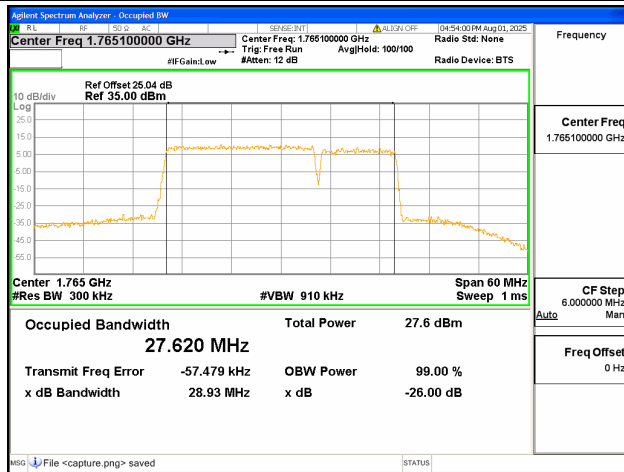
66C / 20+20MHz / 64QAM/ Mid CH



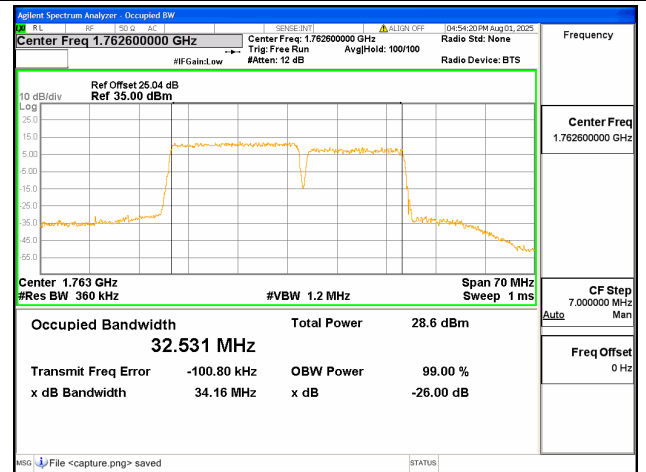
66C / 20+10MHz / QPSK/ High CH



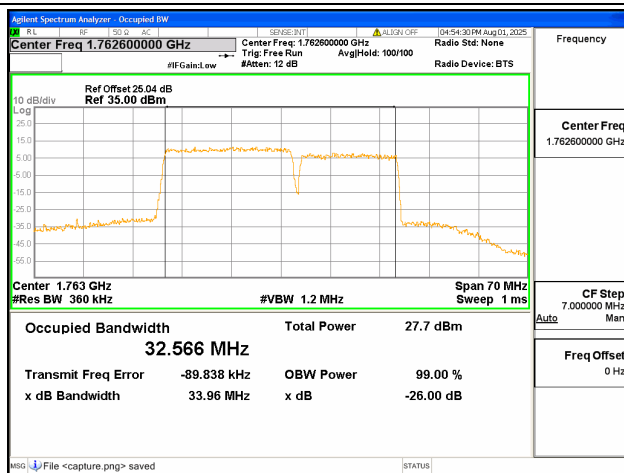
66C / 20+10MHz / 16QAM/ High CH



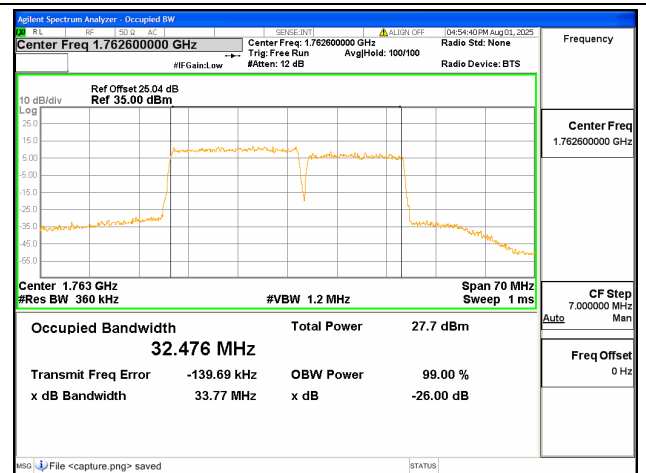
66C / 20+10MHz / 64QAM/ High CH



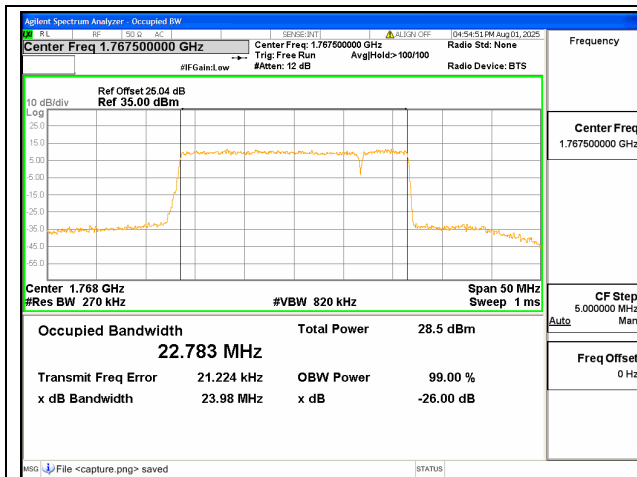
66C / 20+15MHz / QPSK/ High CH



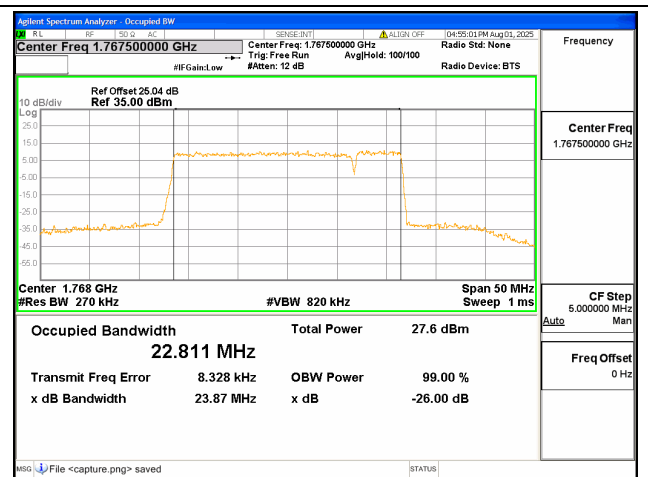
66C / 20+15MHz / 16QAM/ High CH



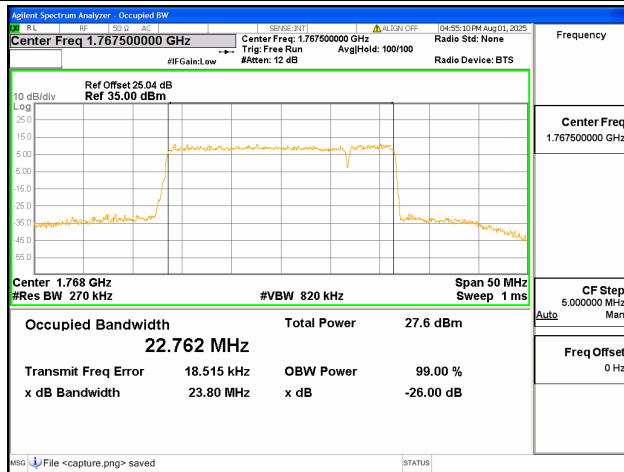
66C / 20+15MHz / 64QAM/ High CH



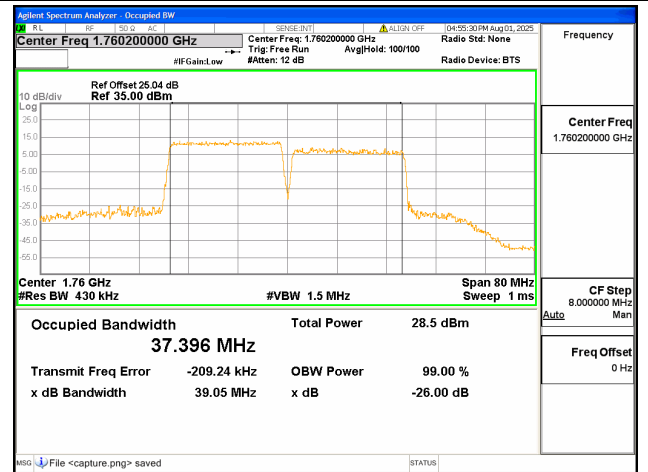
66C / 20+5MHz / QPSK/ High CH



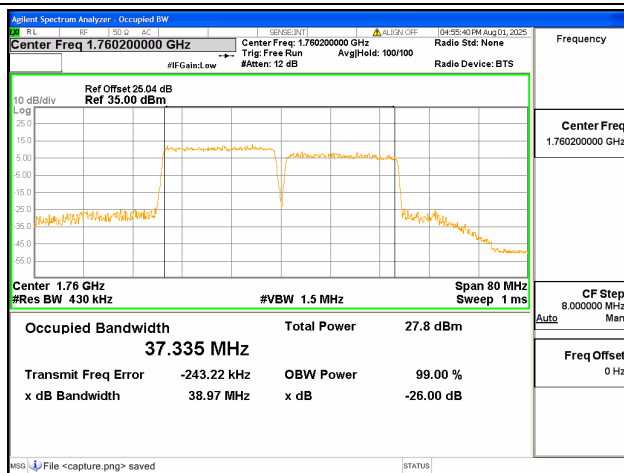
66C / 20+5MHz / 16QAM/ High CH



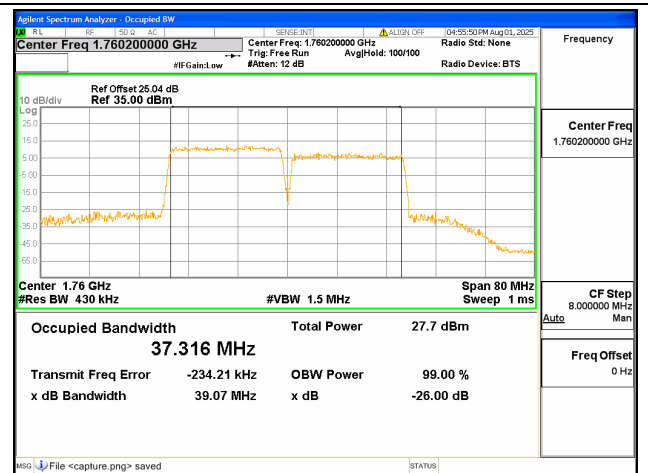
66C / 20+5MHz / 64QAM/ High CH



66C / 20+20MHz / QPSK/ High CH



66C / 20+20MHz / 16QAM/ High CH



66C / 20+20MHz / 64QAM/ High CH

2.3. Conducted Spurious Emissions

2.3.1. Requirement

According to FCC section 2.1051, 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. This calculated to be -13dBm.

Additional requirement for LTE Band 2:

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. This calculated to be -13dBm.

Additional requirement for LTE Band 4/66:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 5:

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. This calculated to be -13dBm.

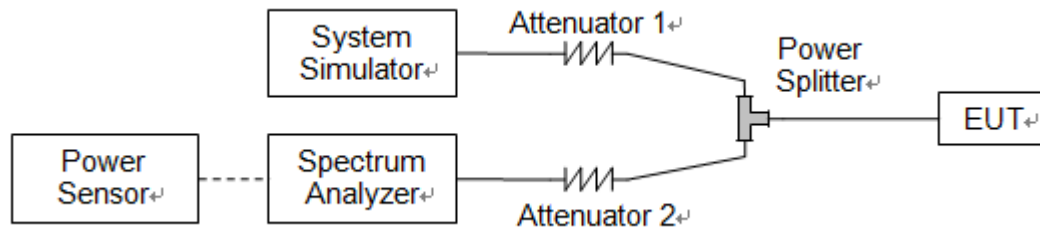
Additional requirement for LTE Band 12:

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. This calculated to be -13dBm

Additional requirement for LTE Band 7:

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 $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

2.3.2. Test Description

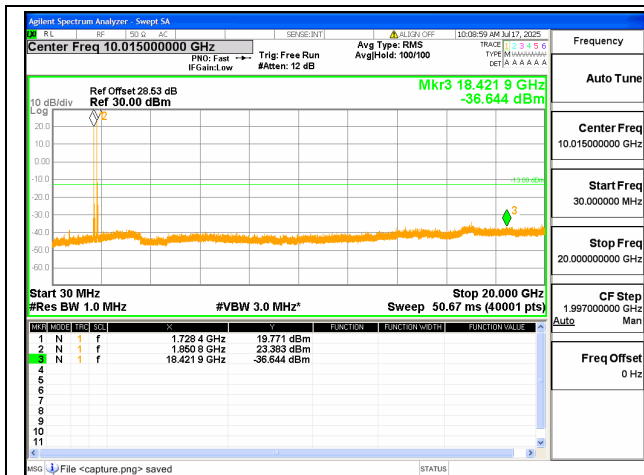
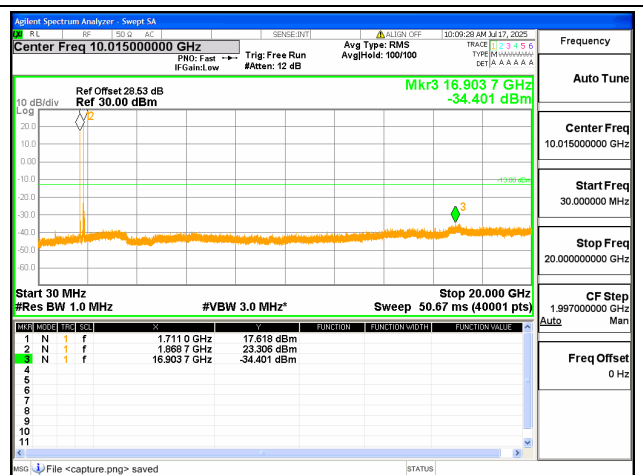
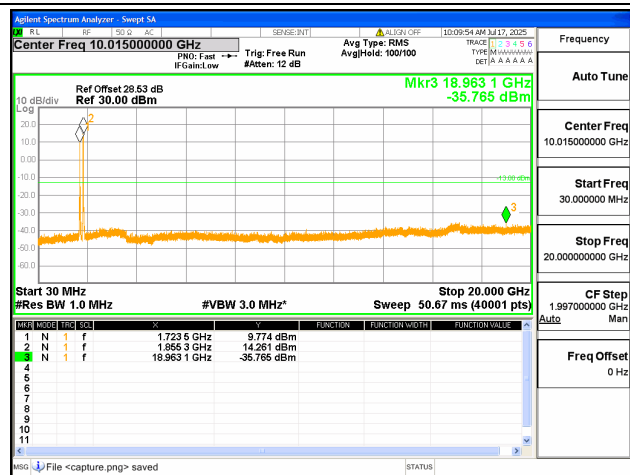
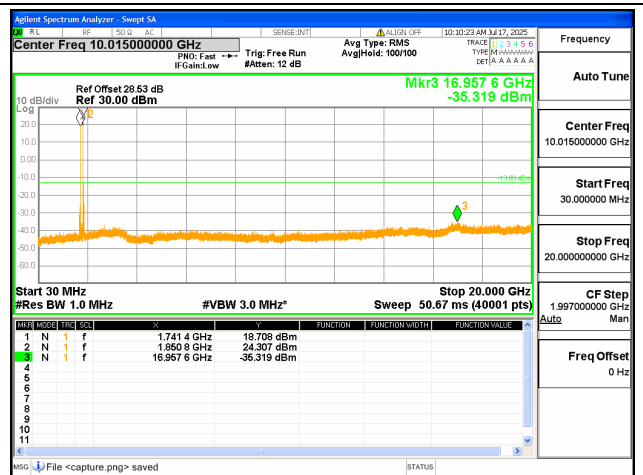
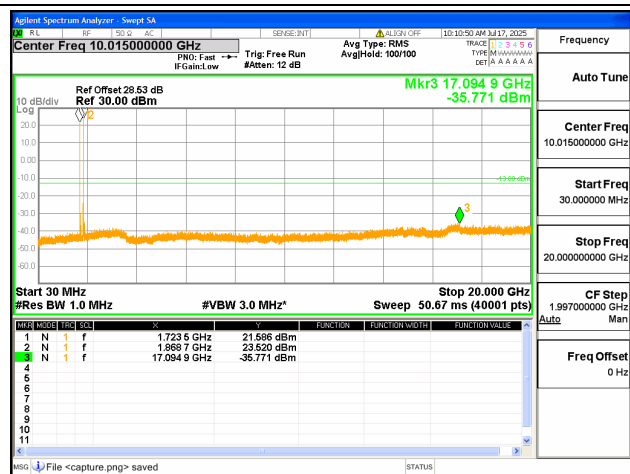
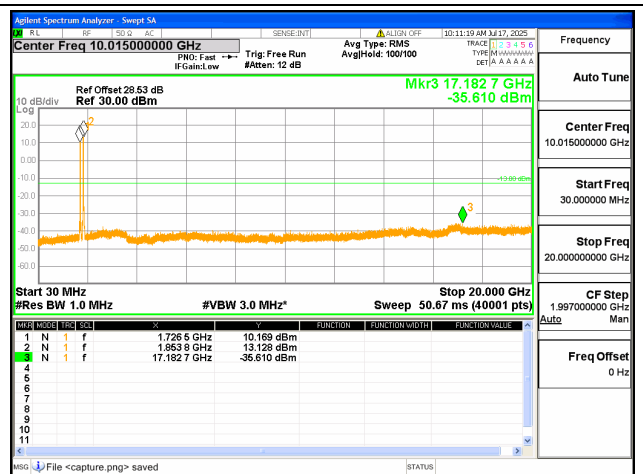


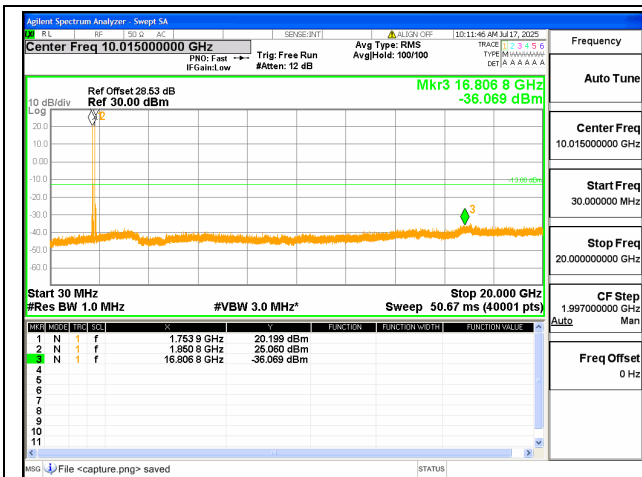
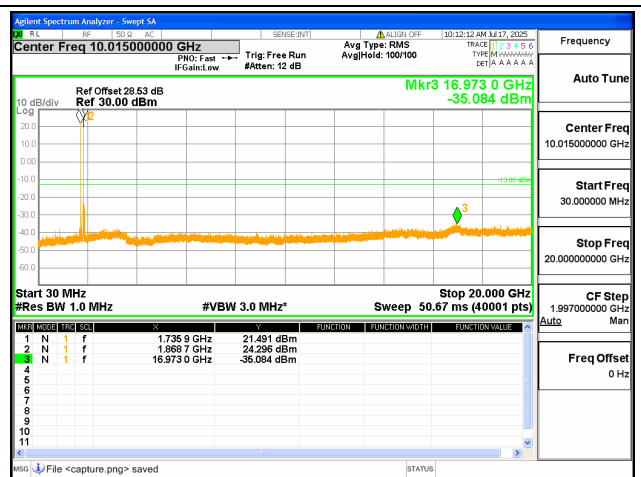
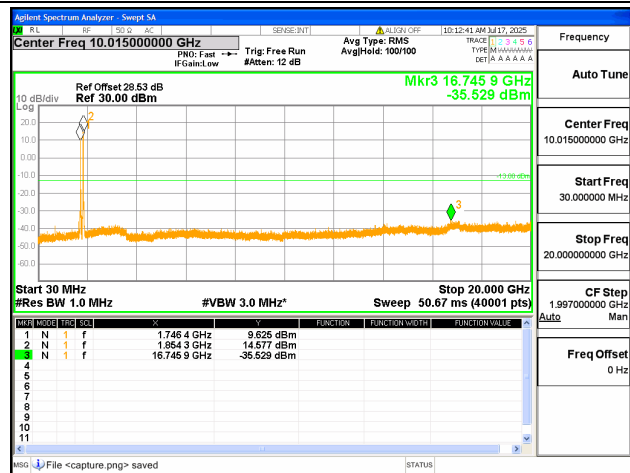
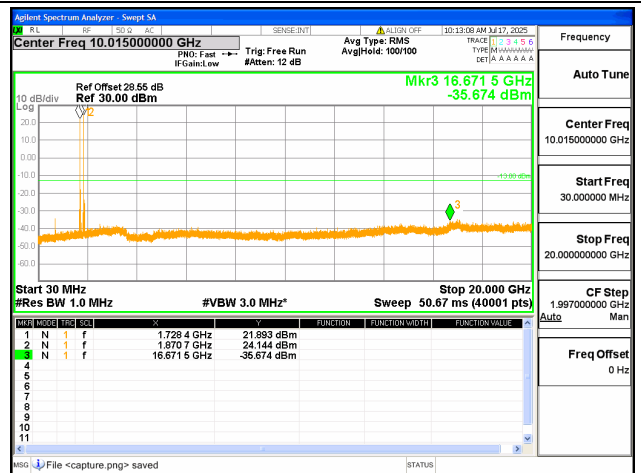
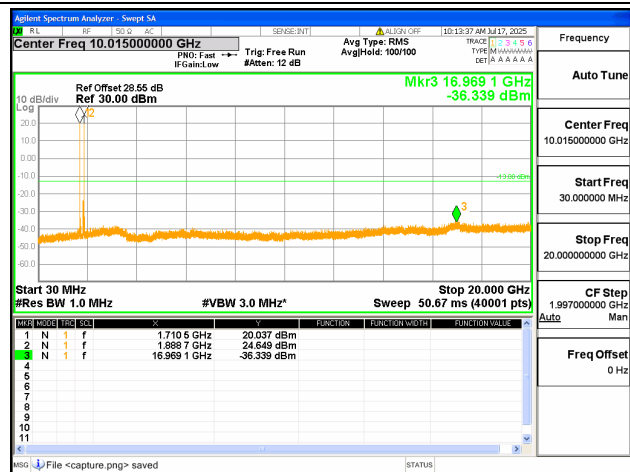
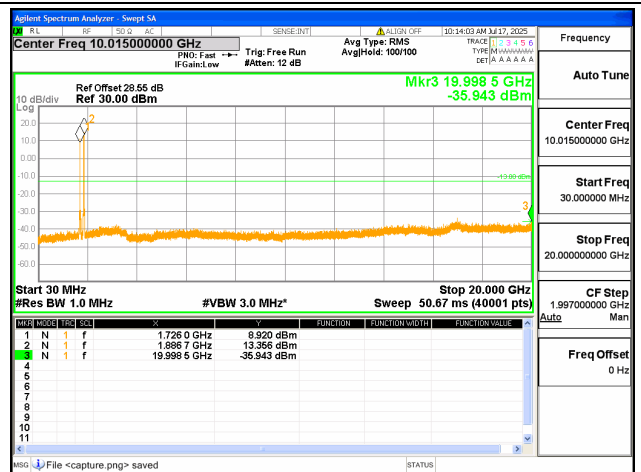
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

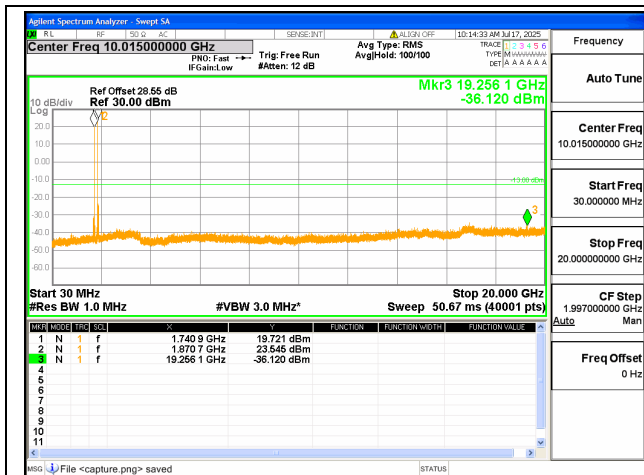
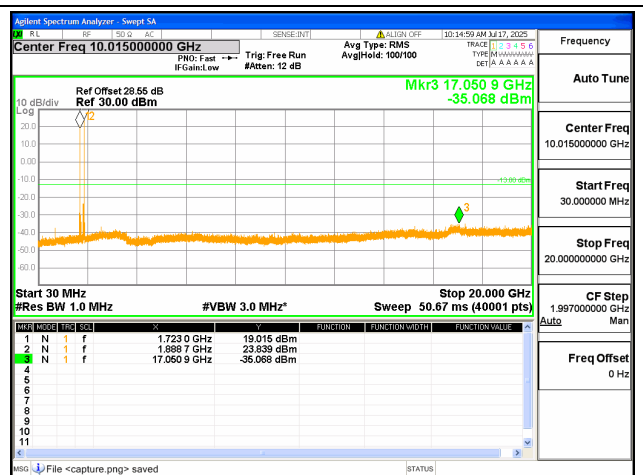
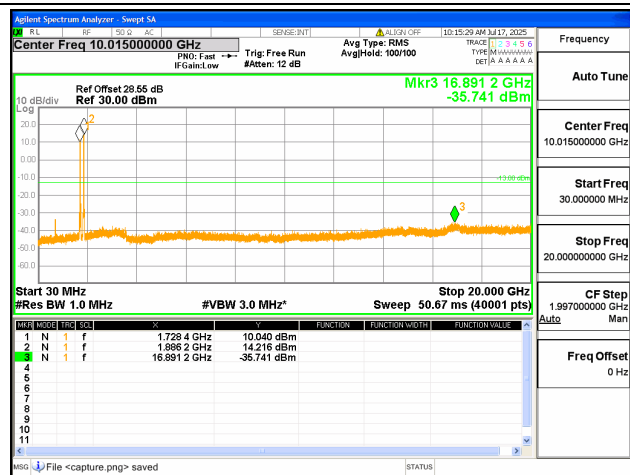
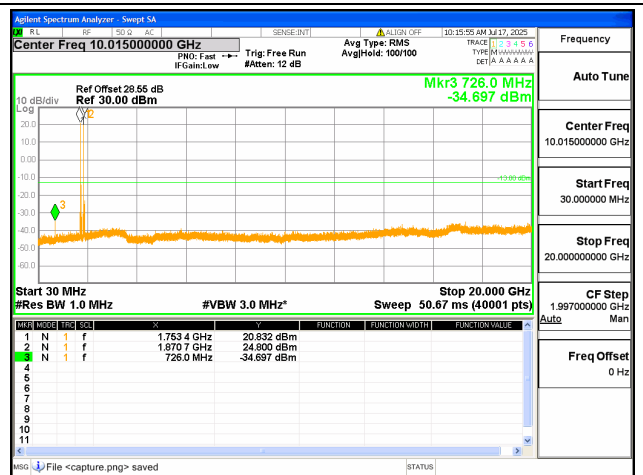
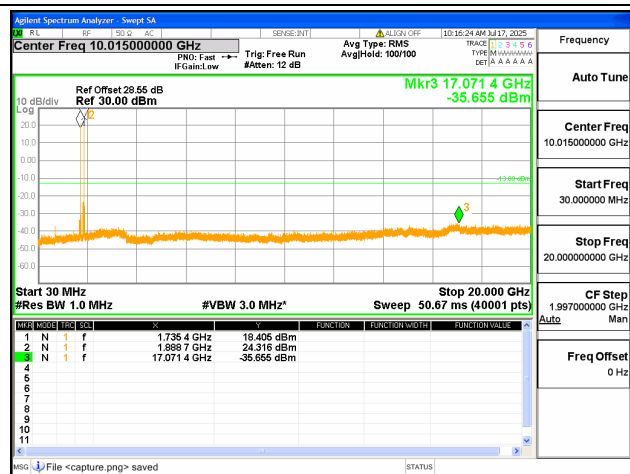
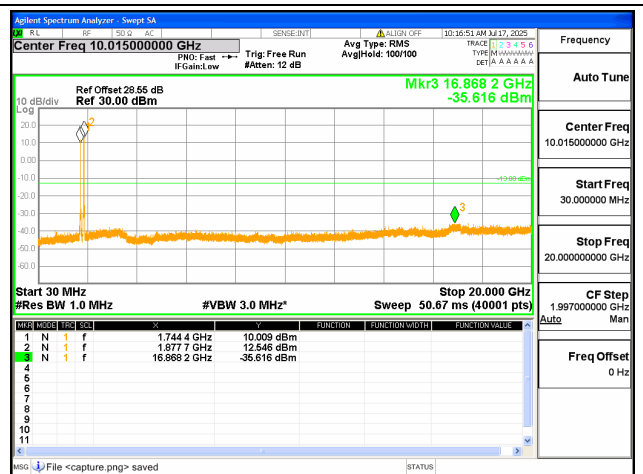
2.3.3. Test Procedure

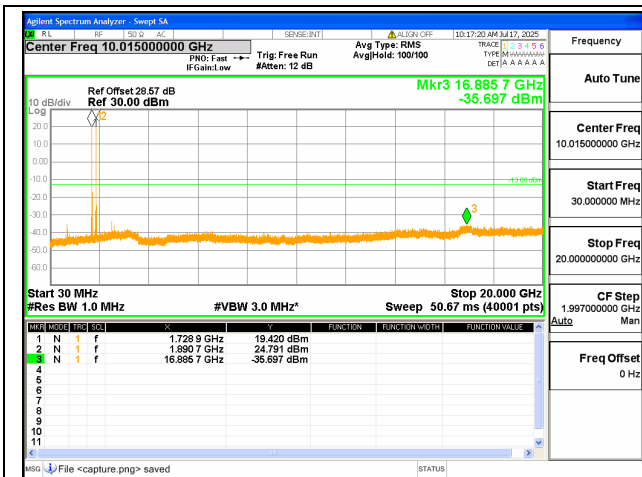
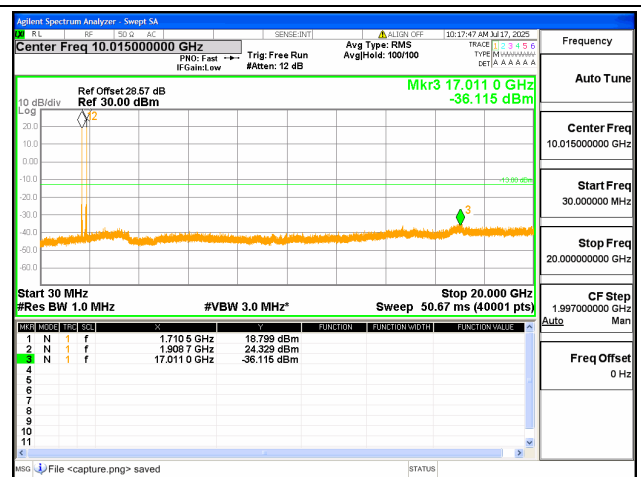
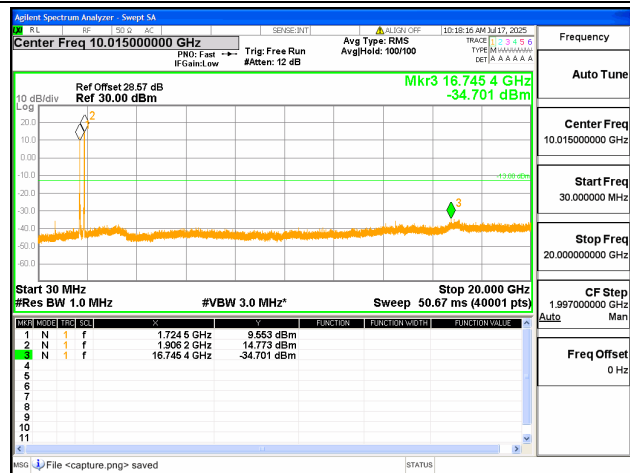
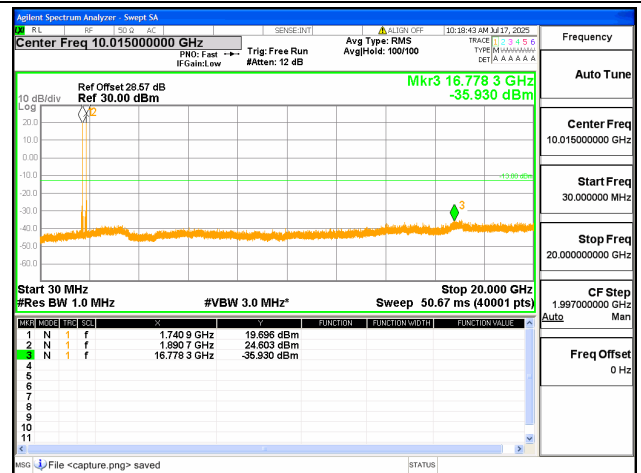
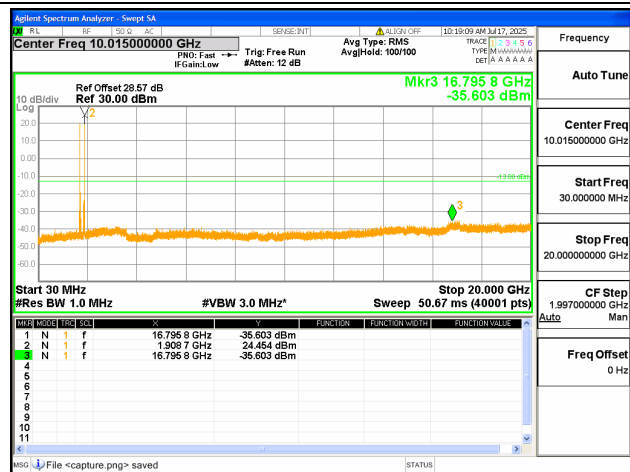
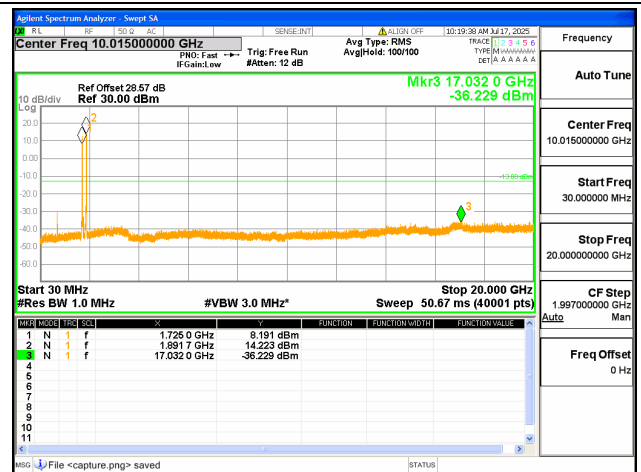
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

2A-4A / 20+20MHz / QPSK / Low+Low CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Low+Low CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Low+Low CH /
100@0-100@02A-4A / 20+20MHz / QPSK / Low+Mid CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Low+Mid CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Low+Mid CH /
100@0-100@0

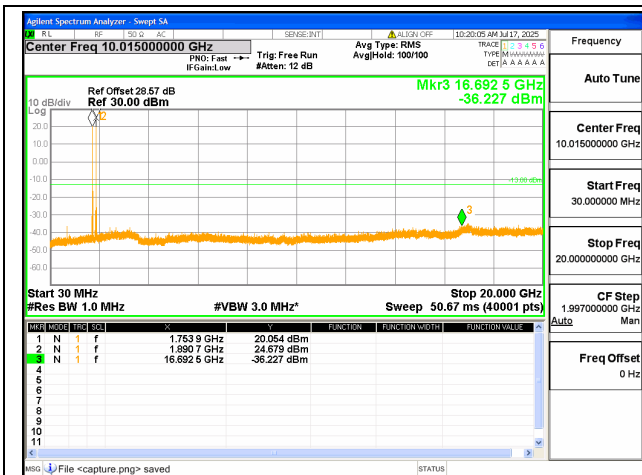
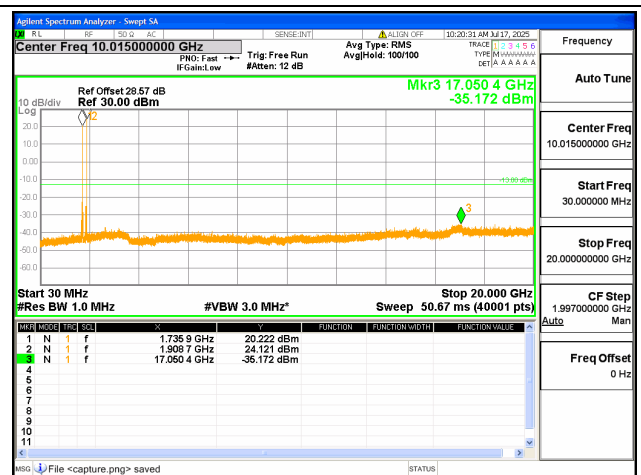
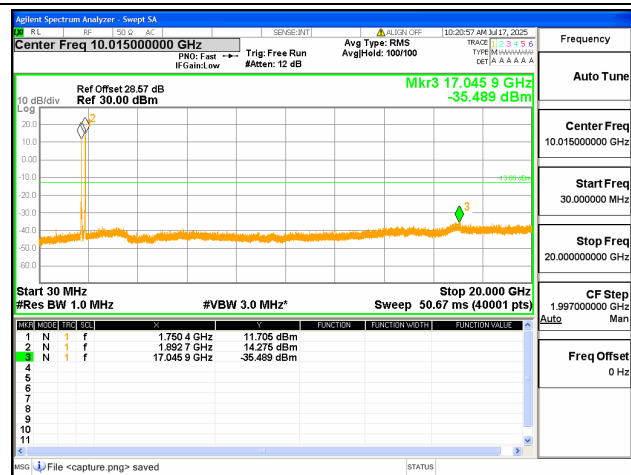
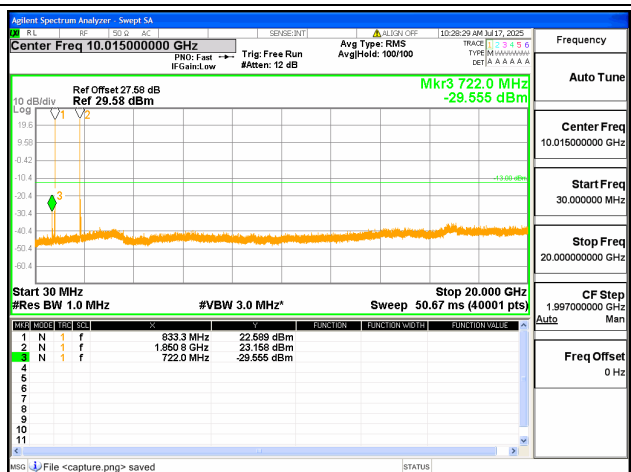
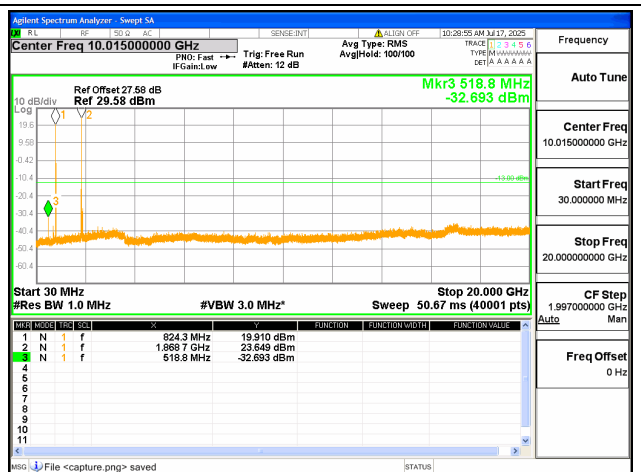
2A-4A / 20+20MHz / QPSK / Low+High CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Low+High CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Low+High CH /
100@0-100@02A-4A / 20+20MHz / QPSK / Mid+Low CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Mid+Low CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Mid+Low CH /
100@0-100@0

2A-4A / 20+20MHz / QPSK / Mid+Mid CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Mid+Mid CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Mid+Mid CH /
100@0-100@02A-4A / 20+20MHz / QPSK / Mid+High CH /
1@0-1@992A-4A / 20+20MHz / QPSK / Mid+High CH /
1@99-1@02A-4A / 20+20MHz / QPSK / Mid+High CH /
100@0-100@0

2A-4A / 20+20MHz / QPSK / High+Low CH /
1@0-1@992A-4A / 20+20MHz / QPSK / High+Low CH /
1@99-1@02A-4A / 20+20MHz / QPSK / High+Low CH /
100@0-100@02A-4A / 20+20MHz / QPSK / High+Mid CH /
1@0-1@992A-4A / 20+20MHz / QPSK / High+Mid CH /
1@99-1@02A-4A / 20+20MHz / QPSK / High+Mid CH /
100@0-100@0



REPORT No.: SZ25060440W09

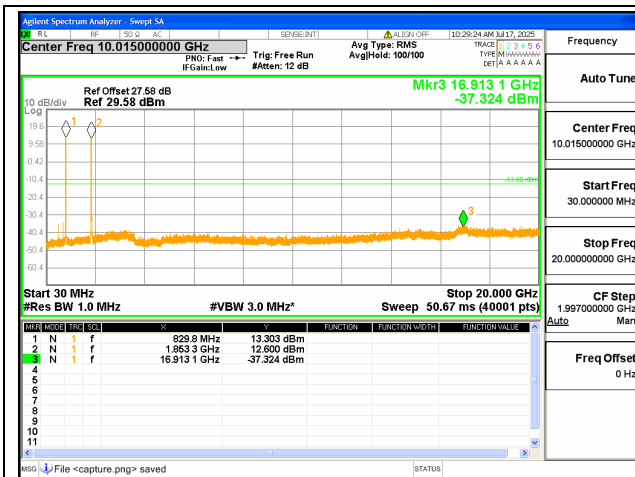
2A-4A / 20+20MHz / QPSK / High+High CH /
1@0-1@992A-4A / 20+20MHz / QPSK / High+High CH /
1@99-1@02A-4A / 20+20MHz / QPSK / High+High CH /
100@0-100@02A-5A / 20+10MHz / QPSK / Low+Low CH /
1@0-1@492A-5A / 20+10MHz / QPSK / Low+Low CH /
1@99-1@0ShenzhenMorlab Communications Technology Co., Ltd.
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555

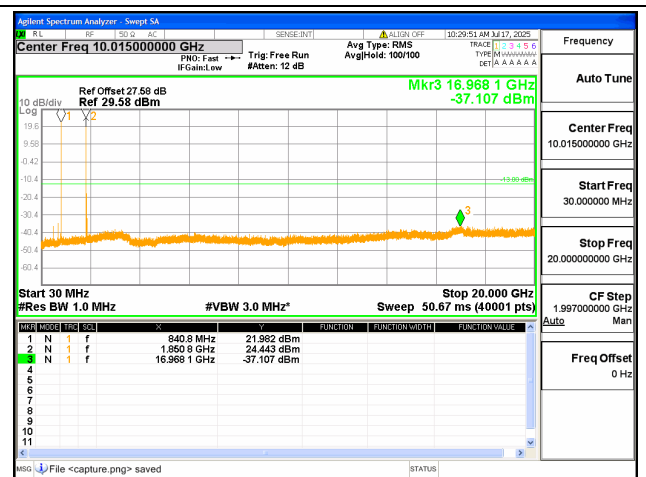
Http://www.morlab.cn

Fax: 86-755-36698525

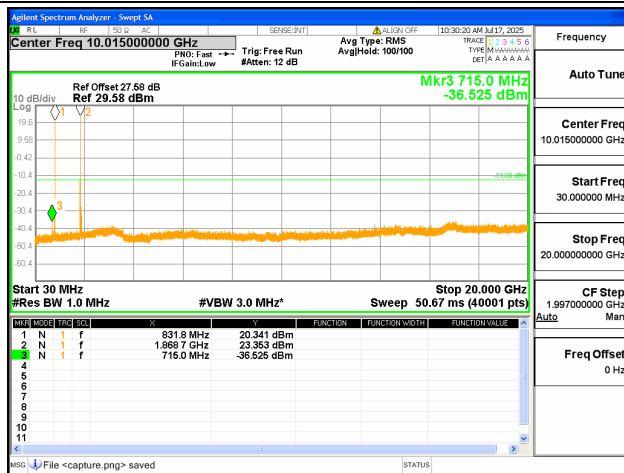
E-mail: service@morlab.cn



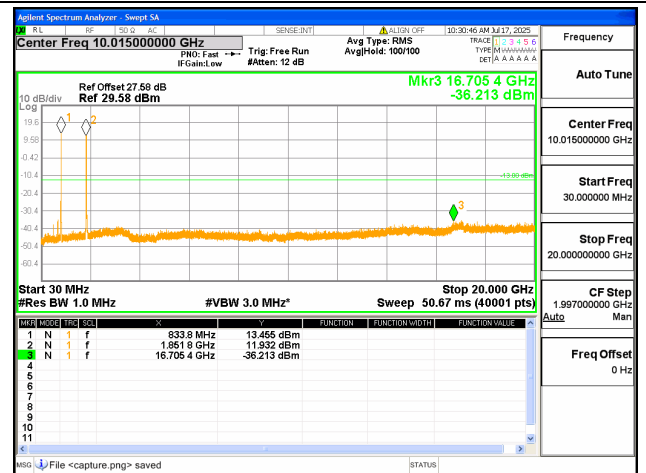
2A-5A / 20+10MHz / QPSK / Low+Low CH /
100@0-50@0



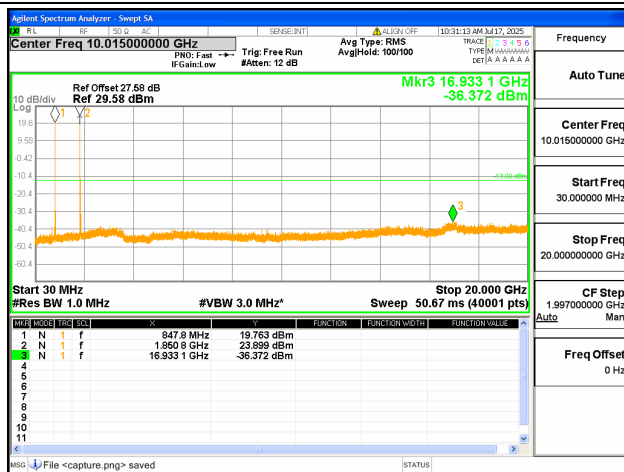
2A-5A / 20+10MHz / QPSK / Low+Mid CH /
1@0-1@49



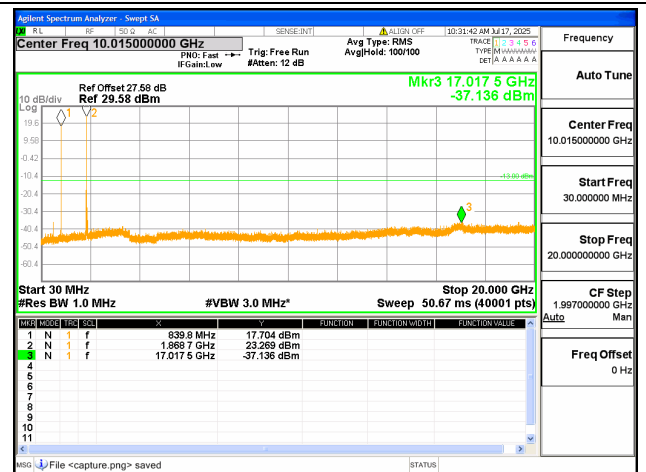
2A-5A / 20+10MHz / QPSK / Low+Mid CH /
1@99-1@0



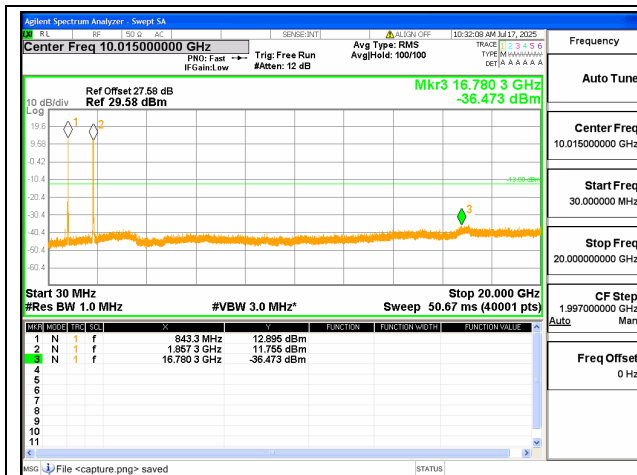
2A-5A / 20+10MHz / QPSK / Low+Mid CH /
100@0-50@0



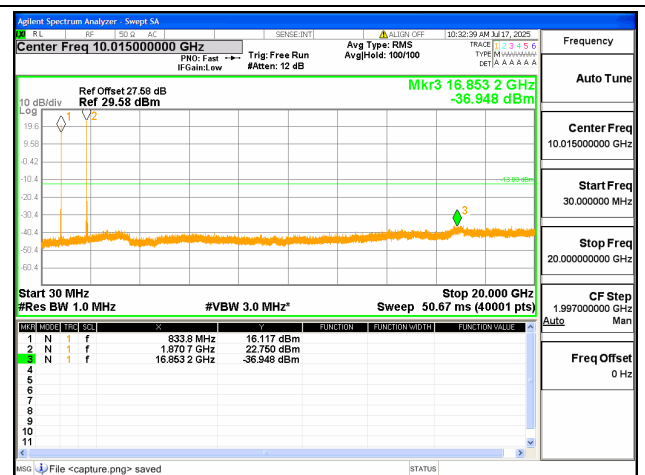
2A-5A / 20+10MHz / QPSK / Low+High CH /
1@0-1@49



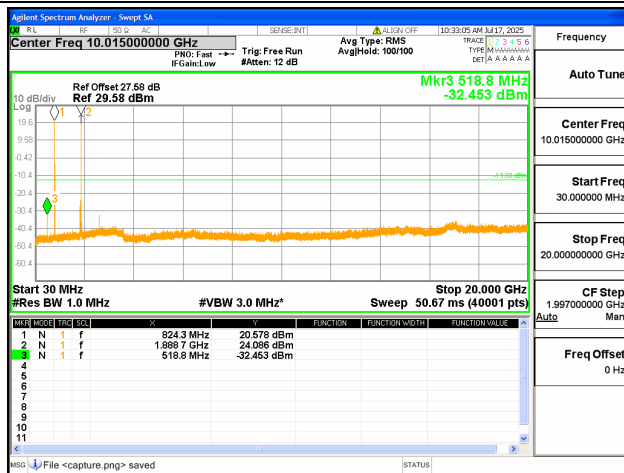
2A-5A / 20+10MHz / QPSK / Low+High CH /
1@99-1@0



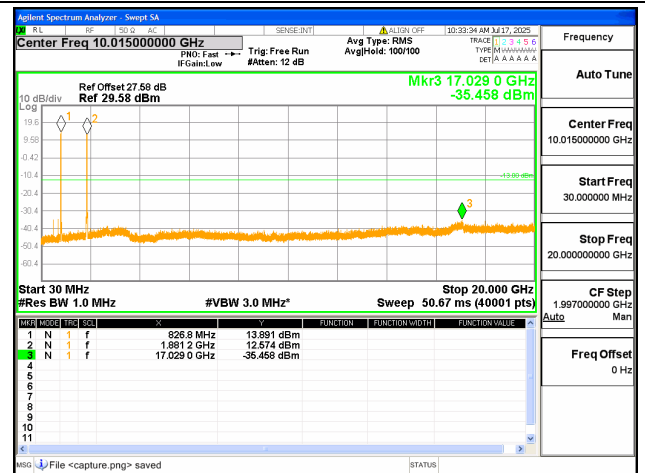
2A-5A / 20+10MHz / QPSK / Low+High CH /
100@0-50@0



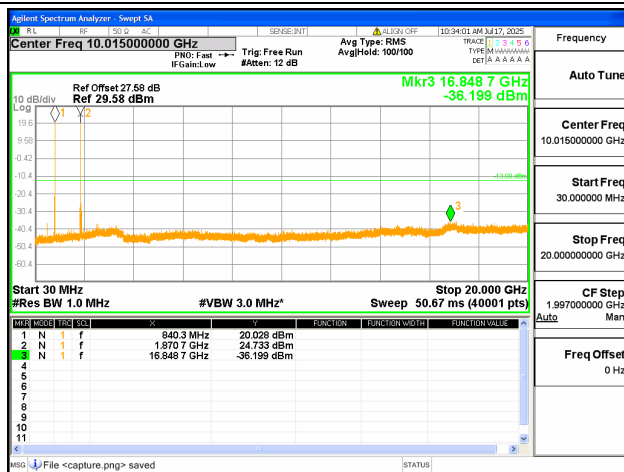
2A-5A / 20+10MHz / QPSK / Mid+Low CH /
1@0-1@49



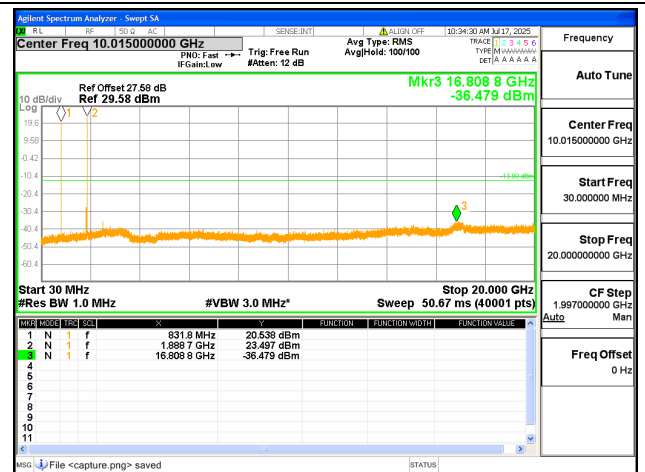
2A-5A / 20+10MHz / QPSK / Mid+Low CH /
1@99-1@0



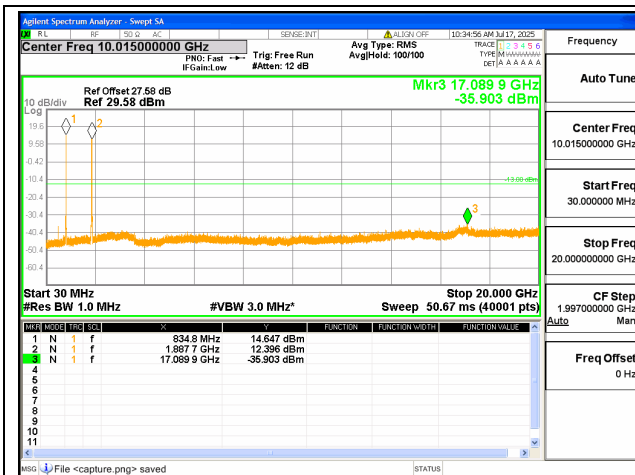
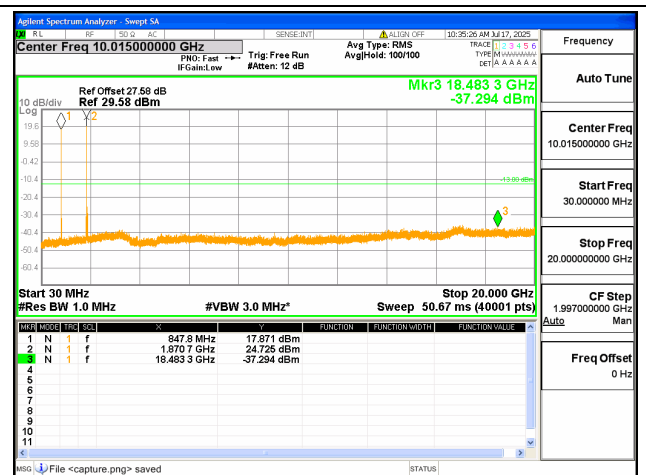
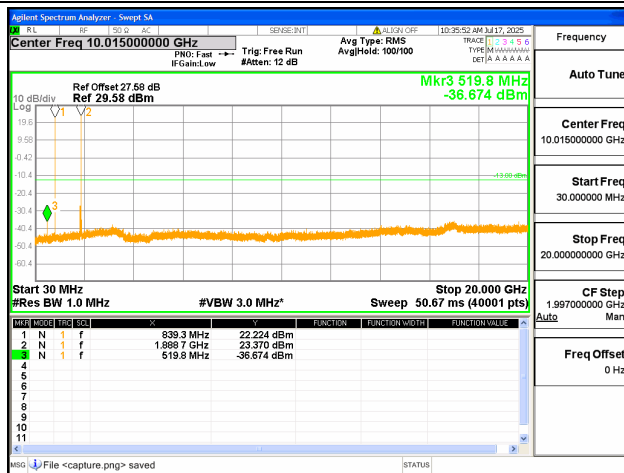
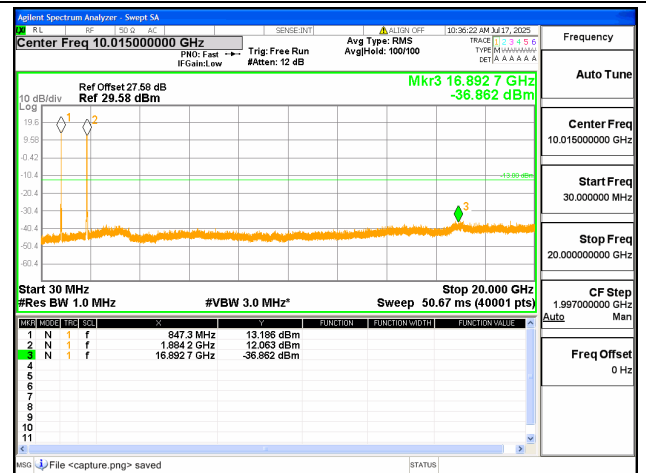
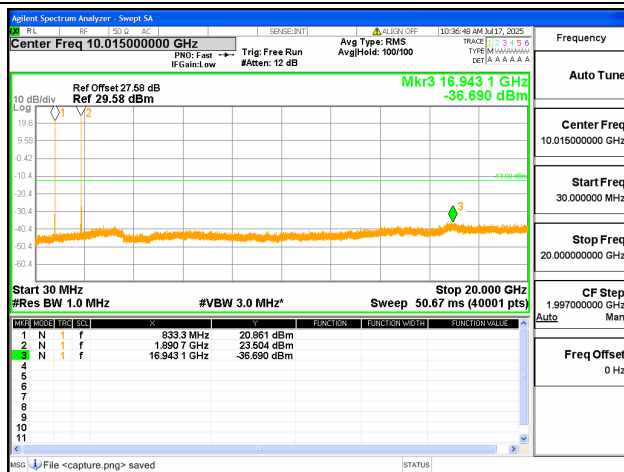
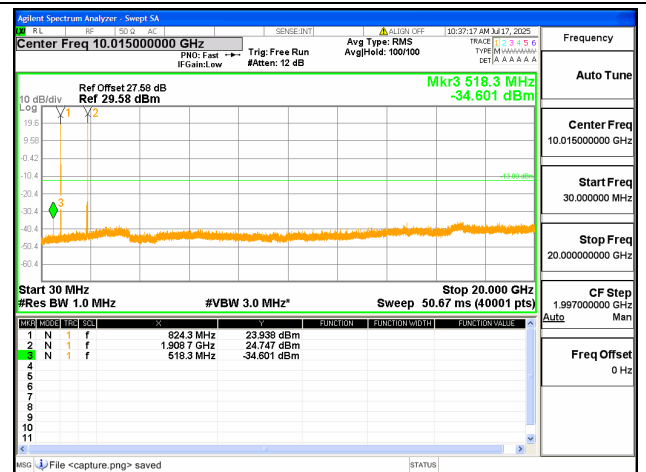
2A-5A / 20+10MHz / QPSK / Mid+Low CH /
100@0-50@0

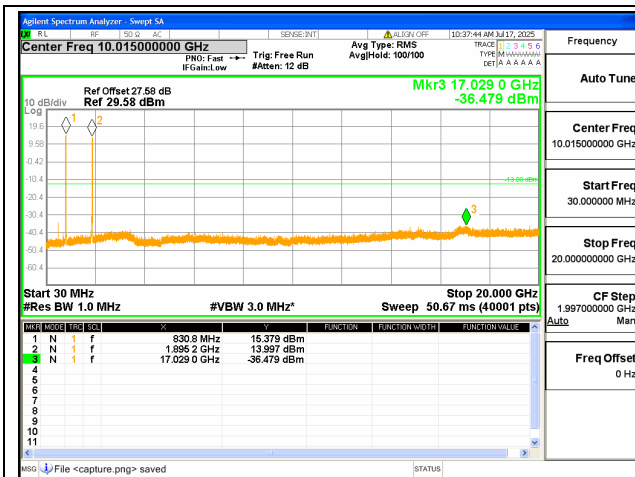
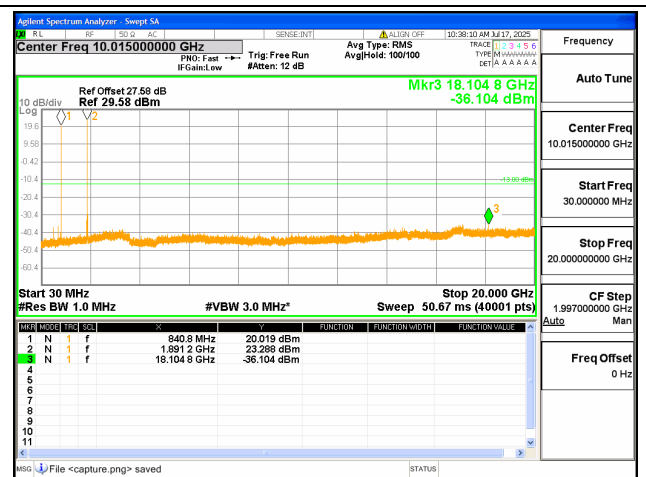
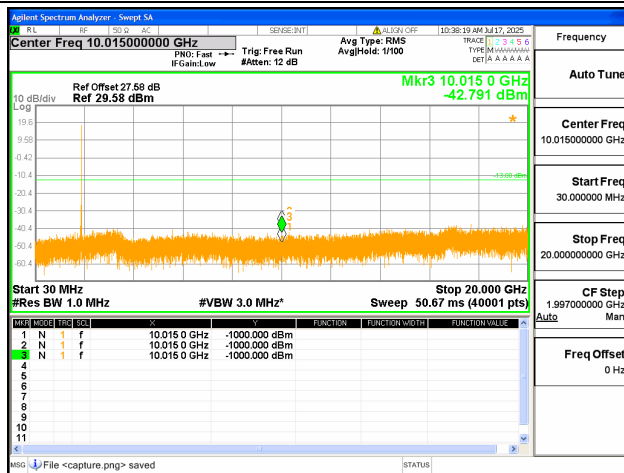
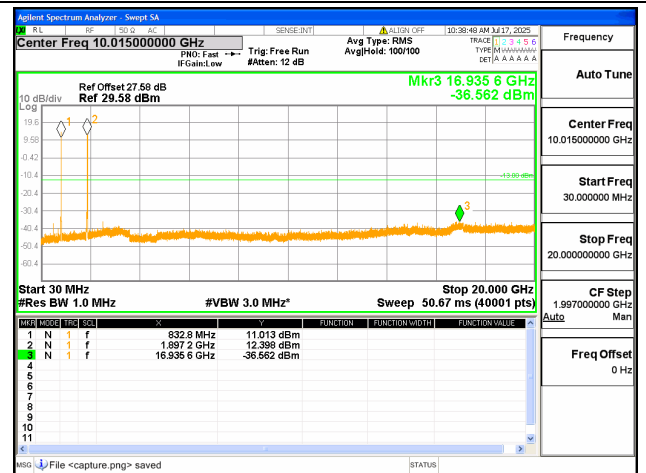
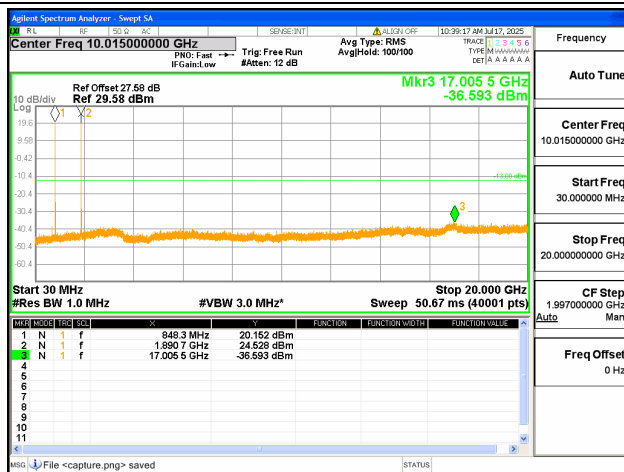
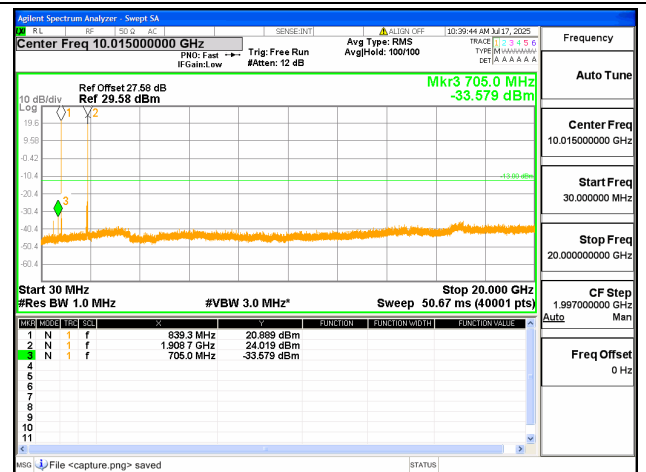


2A-5A / 20+10MHz / QPSK / Mid+Mid CH /
1@0-1@49



2A-5A / 20+10MHz / QPSK / Mid+Mid CH /
1@99-1@0

2A-5A / 20+10MHz / QPSK / Mid+Mid CH /
100@0-50@02A-5A / 20+10MHz / QPSK / Mid+High CH /
1@0-1@492A-5A / 20+10MHz / QPSK / Mid+High CH /
1@99-1@02A-5A / 20+10MHz / QPSK / Mid+High CH /
100@0-50@02A-5A / 20+10MHz / QPSK / High+Low CH /
1@0-1@492A-5A / 20+10MHz / QPSK / High+Low CH /
1@99-1@0

2A-5A / 20+10MHz / QPSK / High+Low CH /
100@0-50@02A-5A / 20+10MHz / QPSK / High+Mid CH /
1@0-1@492A-5A / 20+10MHz / QPSK / High+Mid CH /
1@99-1@02A-5A / 20+10MHz / QPSK / High+Mid CH /
100@0-50@02A-5A / 20+10MHz / QPSK / High+High CH /
1@0-1@492A-5A / 20+10MHz / QPSK / High+High CH /
1@99-1@0