



RF Test Report

For

Applicant Name: SHENZHEN TOUMEI TECHNOLOGY CO., LTD
Address: 502 Building A, Jinke Industrial Park, Luhua Community Guanhu St.,
Longhua District, Shenzhen, China
EUT Name: Smart Projector
Brand Name: TOUMEI
Model Number: C900
Series Model Number: Refer to section 2

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,
Tantou Community, Songgang Street, Bao'an District, Shenzhen,
China

Report Number: BTF230712R00302
Test Standards: 47 CFR Part 15.247

Test Conclusion: Pass
FCC ID: 2BCE6-AKSERIES
Test Date: 2023-07-07 to 2023-07-25
Date of Issue: 2023-07-28

Prepared By: 
Elma. Yang / Project Engineer
Date: 2023-07-28

Approved By: 
Ryan CJ/ EMC Manager
Date: 2023-07-28

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Test Report Number: BTF230712R00302

Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-07-28	Original
<i>Note: Once the revision has been made, then previous versions reports are invalid.</i>		

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1 Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130
FCC Registration Number:	518915
Designation Number:	CN1330

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 Product Information

2.1 Application Information

Company Name:	SHENZHEN TOUMEI TECHNOLOGY CO., LTD
Address:	502 Building A, Jinke Industrial Park, Luhua Community Guanhu St., Longhua District, Shenzhen, China

2.2 Manufacturer Information

Company Name:	SHENZHEN TOUMEI TECHNOLOGY CO., LTD
Address:	502 Building A, Jinke Industrial Park, Luhua Community Guanhu St., Longhua District, Shenzhen, China

2.3 Factory Information

Company Name:	SHENZHEN TOUMEI TECHNOLOGY CO., LTD
Address:	502 Building A, Jinke Industrial Park, Luhua Community Guanhu St., Longhua District, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT Name:	Smart Projector
Test Model Number:	C900
Series Model Number:	C1000, C2000, C3000, K1, K2, K5, K9, M1, M2, M3, M5, M6, M7, M8, M9, V5, V6, V7, V8, V9, V7Pro, V8Battery, Q1, Q2, Q3, Q5, X1, X2, X3, X5, X6, X7, X8, S1, S2, S3, S5, S6, S8, S9, A3, A5, A6, A7, A8, A9
Description of Model name differentiation:	Since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only different on color.
Hardware Version:	MTK9269
Software and Firmware Version:	C.4TY20230517en2
Sample No.:	BTF230712E003-1/1

2.5 Technical Information

Power Supply:	DC 7.4V by battery and recharged by an adapter
Power Adaptor:	Adapter Model: TEKA-TE120200US Adapter Input: 100-240V, 50/60Hz, 0.7A Max Adapter Output: 12V 2A Adapter Model: TEKA-TE120300US Adapter Input: 100-240V, 50/60Hz, 1.2A Max Adapter Output: 12V 3A
Operation Frequency:	802.11b/g/n(HT20)/ax(HE20): 2412MHz to 2472MHz 802.11n(HT40)/ax(HE40): 2422MHz to 2462MHz
Number of Channels:	802.11b/g/n(HT20) /ax(HE20): 11 Channels 802.11n(HT40)/ax(HE40): 9 Channels
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna Type:	ANT1: PIFA Antenna ANT2: PIFA Antenna
Antenna Gain#:	ANT1: 2.75dBi, ANT2: 2.75dBi

Note:

#: The antenna gain provided by the applicant, and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.

3 Summary of Test Results

3.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

3.2 Uncertainty of Test

Measurement	Value
Occupied Channel Bandwidth	69 KHz
RF output power, conducted	0.87 dB
Power Spectral Density, conducted	0.69 dB
Unwanted Emissions, conducted	0.94 dB
All emissions, radiated(<1GHz)	4.12 dB
All emissions, radiated(>1GHz)	4.16 dB
Temperature	0.82 °C
Humidity	4.1 %

3.3 Summary of Test Result

Item	Standard	Requirement	Result
Antenna requirement	47 CFR Part 15.247	Part 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15.247	47 CFR 15.207(a)	Pass
Occupied Bandwidth	47 CFR Part 15.247	47 CFR 15.247(a)(2)	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	Pass
Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass

4 Test Configuration

4.1 Test Equipment List

Conducted Emission at AC power line					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00953	2022-11-24	2023-11-23
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022-11-24	2023-11-23
V-LISN	SCHWARZBECK	NSLK 8127	01073	2022-11-24	2023-11-23
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWARZ	ESCI3	101422	2022-11-24	2023-11-23

Occupied Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Maximum Conducted Output Power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Power Spectral Density					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTest software	/	V1.00	/	/	/

RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Emissions in non-restricted frequency bands

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Band edge emissions (Radiated)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2022-03-26	2023-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMAMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMAMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23

POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplifier	SCHWARZBECK	BBV9718D	00008	2022-03-26	2023-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (below 1GHz)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2022-03-26	2023-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplifier	SCHWARZBECK	BBV9718D	00008	2022-03-26	2023-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (above 1GHz)

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2022-03-26	2023-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23

POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplifier	SCHWARZBECK	BBV9718D	00008	2022-03-26	2023-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	802.11b mode	Keep the EUT in continuously transmitting mode with 802.11b modulation.
TM2	802.11g mode	Keep the EUT in continuously transmitting mode with 802.11g modulation.
TM3	802.11n(HT20) mode	Keep the EUT in continuously transmitting mode with 802.11n(HT20) modulation.
TM4	802.11n(HT40) mode	Keep the EUT in continuously transmitting mode with 802.11n(HT40) modulation.
TM5	802.11ax(HE20) mode	Keep the EUT in continuously transmitting mode with 802.11ax(HE20) modulation.
TM6	802.11ax(HE40) mode	Keep the EUT in continuously transmitting mode with 802.11ax(HE40) modulation.

Note: All the power adaptor model have been tested, only record the worst case (adapter model: TEKA-TE120300US) in the report.

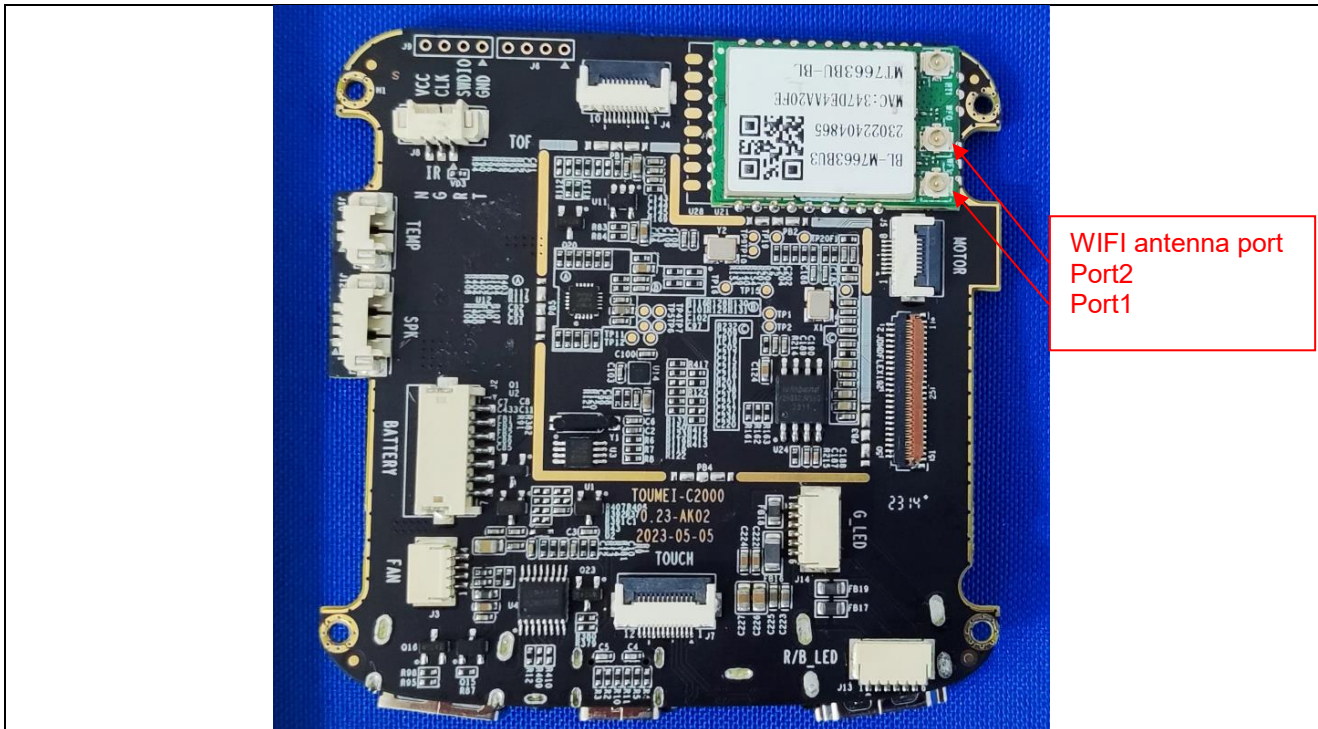
5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

5.1.1 Conclusion:



6 Radio Spectrum Matter Test Results (RF)

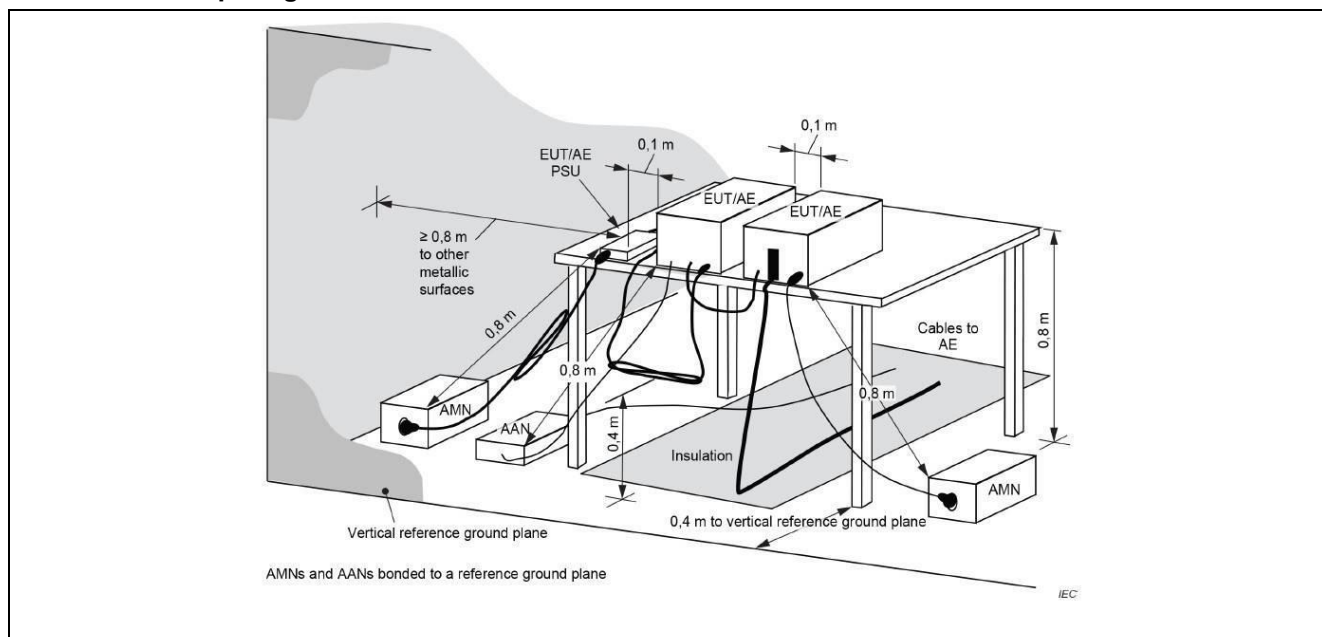
6.1 Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).		
Test Method:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dB μ V)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
*Decreases with the logarithm of the frequency.			

6.1.1 E.U.T. Operation:

Operating Environment:	
Temperature:	24.5 °C
Humidity:	52.3 %
Atmospheric Pressure:	1010 mbar

6.1.2 Test Setup Diagram:

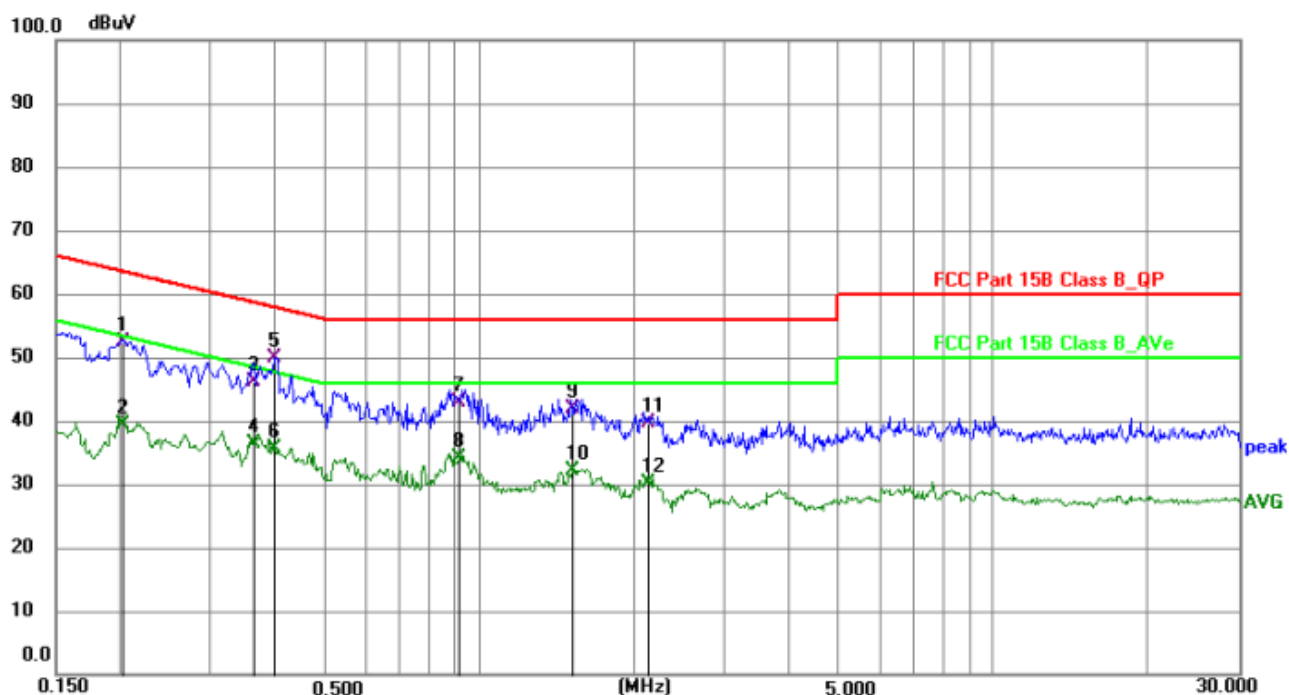


6.1.3 Test Data:

Note: Level = Reading level + Factor

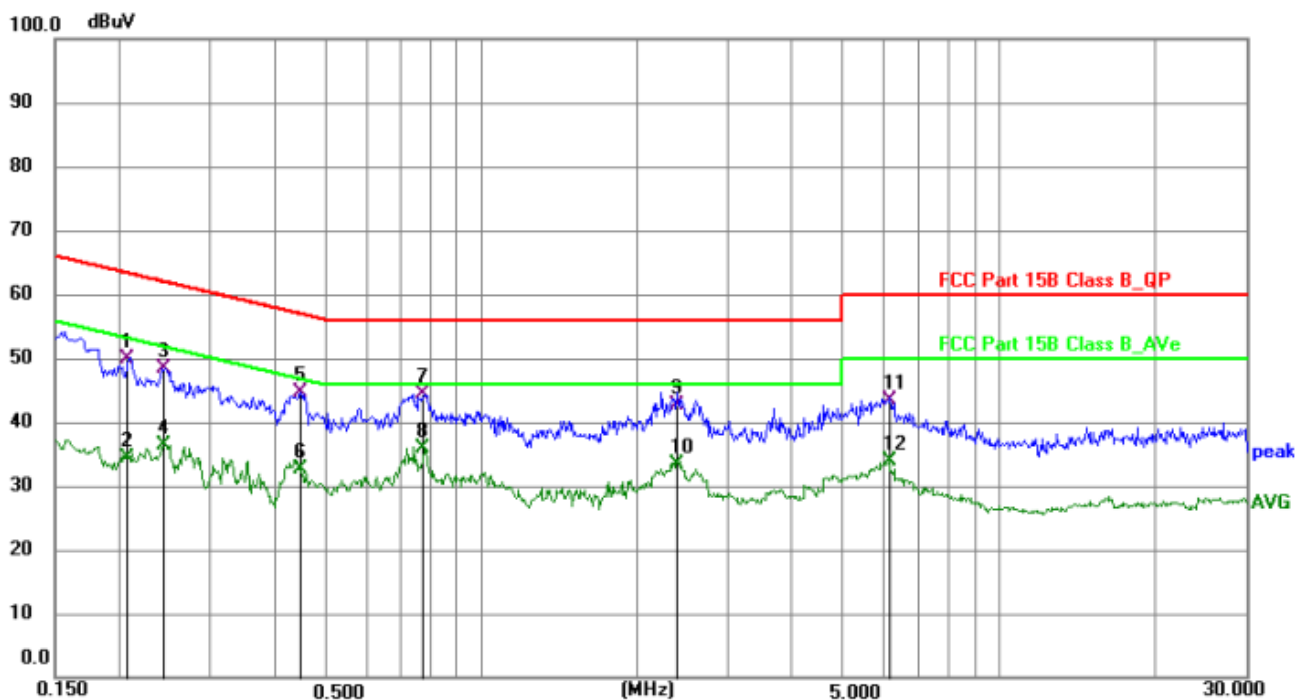
Only the worst data (with adapter model TEKA-TE120300US) was recorded.

TM1 / Line: Line / Band: 2.4G / BW: 20 / CH: M



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2030	32.36	20.09	52.45	63.49	-11.04	QP	P	
2	0.2030	19.37	20.09	39.46	53.49	-14.03	AVG	P	
3	0.3650	26.00	20.13	46.13	58.61	-12.48	QP	P	
4	0.3650	16.33	20.13	36.46	48.61	-12.15	AVG	P	
5 *	0.3980	29.63	20.14	49.77	57.90	-8.13	QP	P	
6	0.3980	15.40	20.14	35.54	47.90	-12.36	AVG	P	
7	0.9150	22.56	20.28	42.84	56.00	-13.16	QP	P	
8	0.9150	13.77	20.28	34.05	46.00	-11.95	AVG	P	
9	1.5220	21.52	20.33	41.85	56.00	-14.15	QP	P	
10	1.5220	11.84	20.33	32.17	46.00	-13.83	AVG	P	
11	2.1500	19.23	20.37	39.60	56.00	-16.40	QP	P	
12	2.1500	9.71	20.37	30.08	46.00	-15.92	AVG	P	

TM1 / Line: Neutral / Band: 2.4G / BW: 20 / CH: M



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2080	29.87	20.09	49.96	63.28	-13.32	QP	P	
2	0.2080	14.38	20.09	34.47	53.28	-18.81	AVG	P	
3	0.2440	28.35	20.10	48.45	61.96	-13.51	QP	P	
4	0.2440	16.33	20.10	36.43	51.96	-15.53	AVG	P	
5	0.4470	24.42	20.15	44.57	56.93	-12.36	QP	P	
6	0.4470	12.42	20.15	32.57	46.93	-14.36	AVG	P	
7	0.7750	24.13	20.24	44.37	56.00	-11.63	QP	P	
8 *	0.7750	15.53	20.24	35.77	46.00	-10.23	AVG	P	
9	2.3960	22.28	20.39	42.67	56.00	-13.33	QP	P	
10	2.3960	12.89	20.39	33.28	46.00	-12.72	AVG	P	
11	6.1350	23.01	20.45	43.46	60.00	-16.54	QP	P	
12	6.1350	13.39	20.45	33.84	50.00	-16.16	AVG	P	

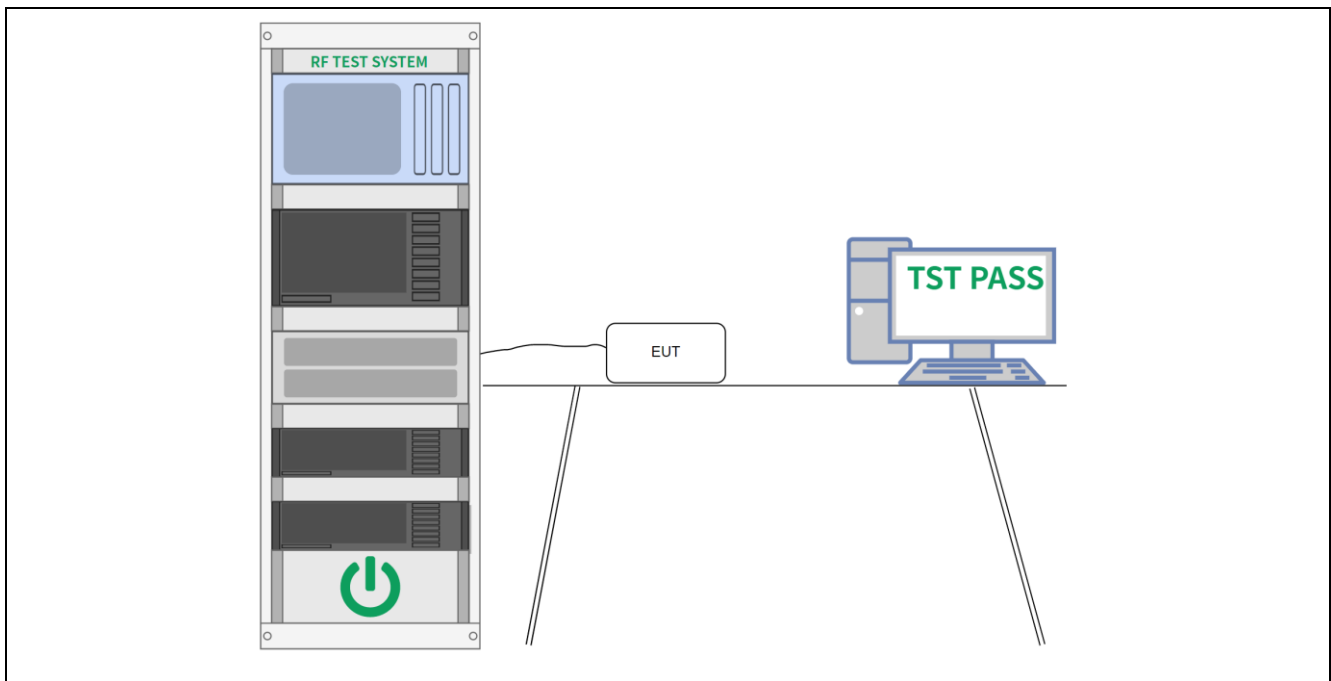
6.2 Occupied Bandwidth

Test Requirement:	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	DTS bandwidth
Test Limit:	Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Procedure:	a) Set RBW = 100 kHz. b) Set the VBW $\geq [3 \times \text{RBW}]$. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	52.6 %
Atmospheric Pressure:	1010 mbar

6.2.2 Test Setup Diagram:



6.2.3 Test Data:

Please Refer to Appendix for Details.

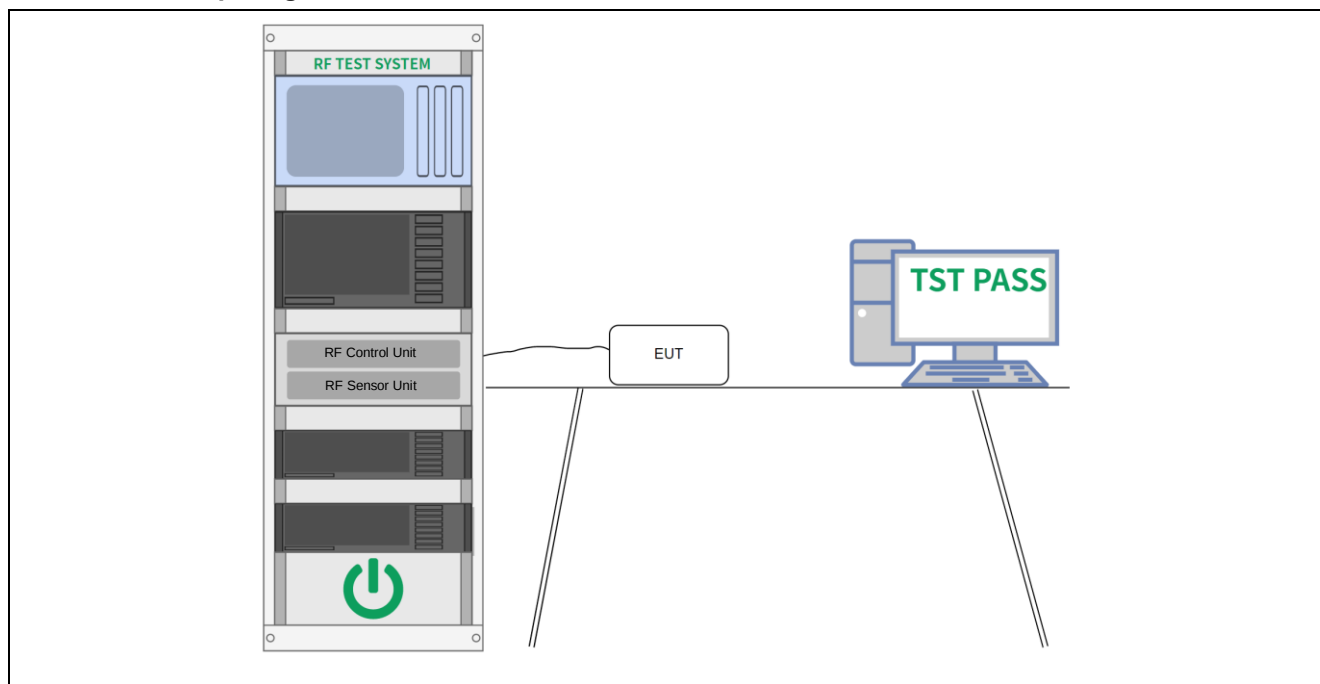
6.3 Maximum Conducted Output Power

Test Requirement:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	Maximum peak conducted output power
Test Limit:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Procedure:	ANSI C63.10-2013, section 11.9.1 Maximum peak conducted output power

6.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	52.6 %
Atmospheric Pressure:	1010 mbar

6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Please Refer to Appendix for Details.

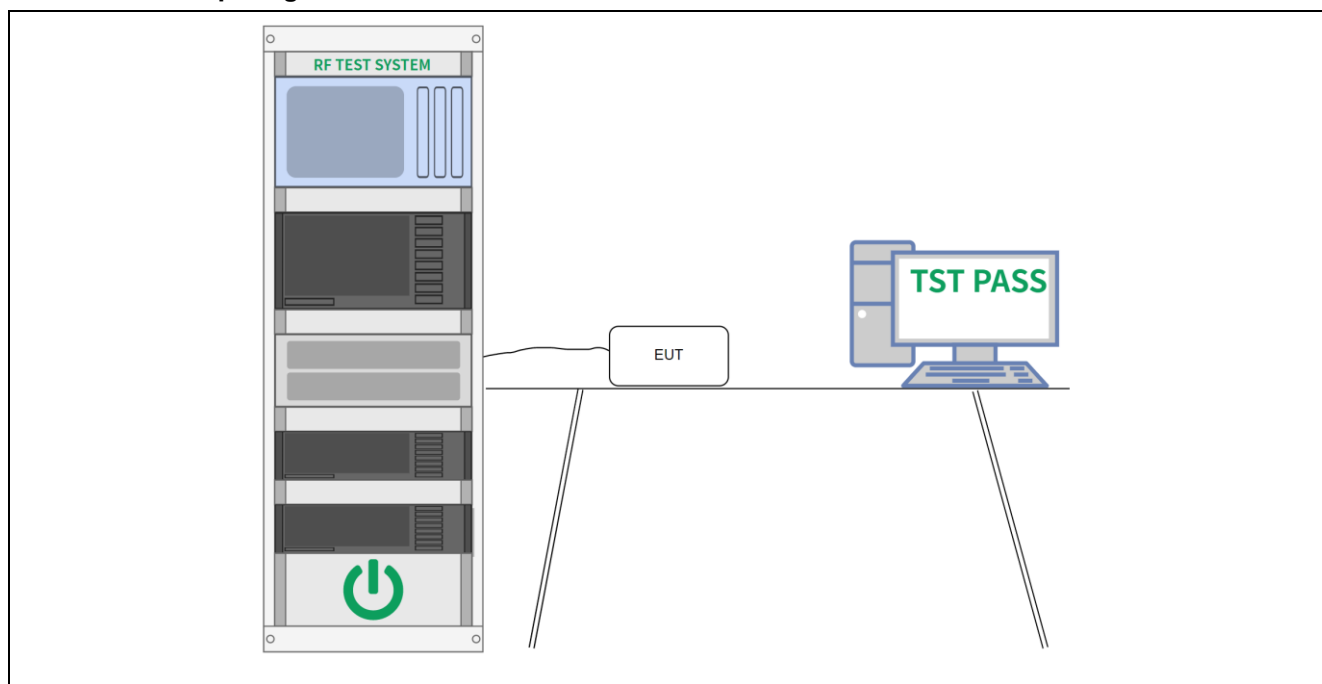
6.4 Power Spectral Density

Test Requirement:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	Maximum power spectral density level in the fundamental emission
Test Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

6.4.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	52.6 %
Atmospheric Pressure:	1010 mbar

6.4.2 Test Setup Diagram:



6.4.3 Test Data:

Please Refer to Appendix for Details.

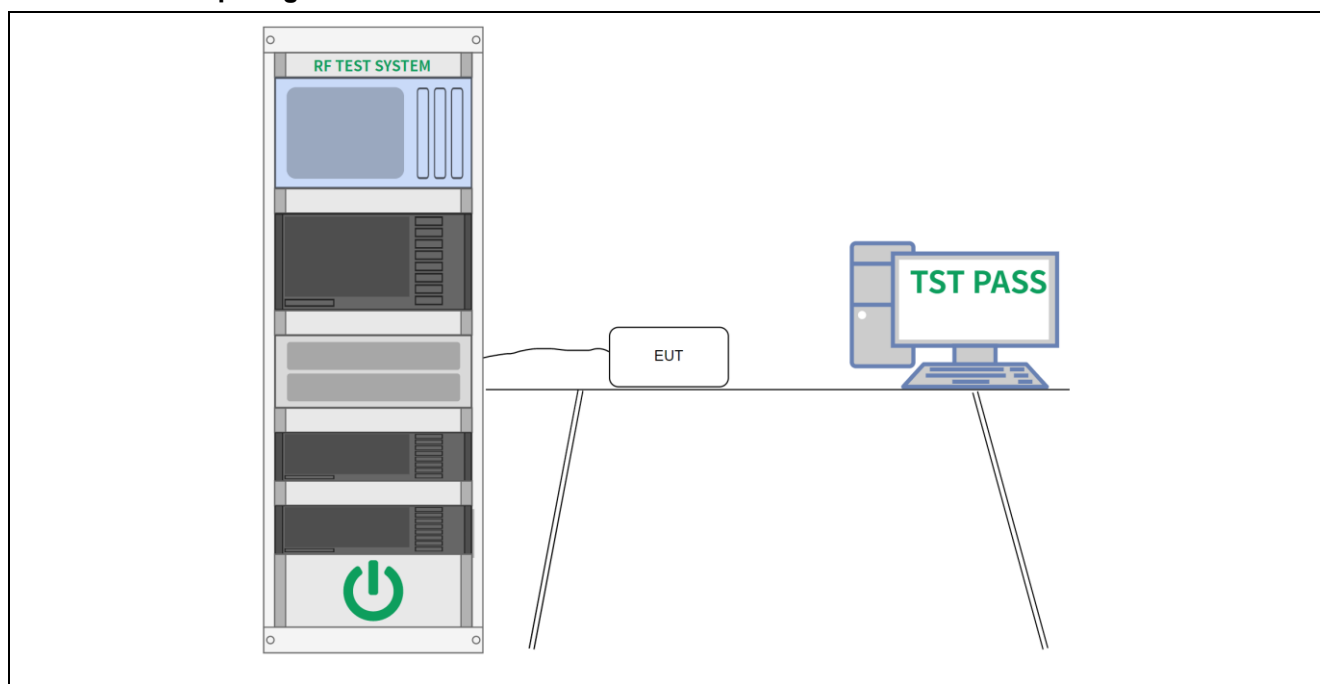
6.5 Emissions in non-restricted frequency bands

Test Requirement:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	Emissions in nonrestricted frequency bands
Test Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Procedure:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

6.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.2 °C
Humidity:	52.6 %
Atmospheric Pressure:	1010 mbar

6.5.2 Test Setup Diagram:



6.5.3 Test Data:

Please Refer to Appendix for Details.

6.6 Band edge emissions (Radiated)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

6.6.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.1 °C
Humidity:	51.9 %
Atmospheric Pressure:	1010 mbar

6.6.2 Test Data:

Note: Level = Reading level + Factor

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	67.21	-30.59	36.62	74.00	-37.38	peak	P
2	2390.000	70.28	-30.49	39.79	74.00	-34.21	peak	P
3	2400.000	78.91	-30.48	48.43	74.00	-25.57	peak	P

TM1 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.15	-30.59	37.56	74.00	-36.44	peak	P
2	2390.000	70.05	-30.49	39.56	74.00	-34.44	peak	P
3	2400.000	78.55	-30.48	48.07	74.00	-25.93	peak	P

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.01	-30.39	49.62	74.00	-24.38	peak	P
2	2500.000	71.56	-30.37	41.19	74.00	-32.81	peak	P

TM1 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.44	-30.39	50.05	74.00	-23.95	peak	P
2	2500.000	70.62	-30.37	40.25	74.00	-33.75	peak	P

TM2 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.54	-30.59	37.95	74.00	-36.05	peak	P
2	2390.000	68.91	-30.49	38.42	74.00	-35.58	peak	P
3	2400.000	77.47	-30.48	46.99	74.00	-27.01	peak	P

TM2 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	67.43	-30.59	36.84	74.00	-37.16	peak	P
2	2390.000	69.51	-30.49	39.02	74.00	-34.98	peak	P
3	2400.000	78.91	-30.48	48.43	74.00	-25.57	peak	P

TM2 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.84	-30.39	49.45	74.00	-24.55	peak	P
2	2500.000	70.98	-30.37	40.61	74.00	-33.39	peak	P

TM2 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.78	-30.39	50.39	74.00	-23.61	peak	P
2	2500.000	70.50	-30.37	40.13	74.00	-33.87	peak	P

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.63	-30.59	38.04	74.00	-35.96	peak	P
2	2390.000	69.75	-30.49	39.26	74.00	-34.74	peak	P
3	2400.000	78.14	-30.48	47.66	74.00	-26.34	peak	P

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.87	-30.59	38.28	74.00	-35.72	peak	P
2	2390.000	69.63	-30.49	39.14	74.00	-34.86	peak	P
3	2400.000	77.62	-30.48	47.14	74.00	-26.86	peak	P

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.48	-30.39	49.09	74.00	-24.91	peak	P
2	2500.000	71.88	-30.37	41.51	74.00	-32.49	peak	P

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.22	-30.39	48.83	74.00	-25.17	peak	P
2	2500.000	70.29	-30.37	39.92	74.00	-34.08	peak	P

TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.06	-30.59	37.47	74.00	-36.53	peak	P
2	2390.000	70.84	-30.49	40.35	74.00	-33.65	peak	P
3	2400.000	77.44	-30.48	46.96	74.00	-27.04	peak	P

TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.35	-30.59	37.76	74.00	-36.24	peak	P
2	2390.000	70.08	-30.49	39.59	74.00	-34.41	peak	P
3	2400.000	78.34	-30.48	47.86	74.00	-26.14	peak	P

TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.05	-30.39	49.66	74.00	-24.34	peak	P
2	2500.000	70.76	-30.37	40.39	74.00	-33.61	peak	P

TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.38	-30.39	48.99	74.00	-25.01	peak	P
2	2500.000	70.55	-30.37	40.18	74.00	-33.82	peak	P

TM5 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.80	-30.59	38.21	74.00	-35.79	peak	P
2	2390.000	70.00	-30.49	39.51	74.00	-34.49	peak	P
3	2400.000	78.24	-30.48	47.76	74.00	-26.24	peak	P

TM5 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.10	-30.59	37.51	74.00	-36.49	peak	P
2	2390.000	70.78	-30.49	40.29	74.00	-33.71	peak	P
3	2400.000	78.66	-30.48	48.18	74.00	-25.82	peak	P

TM5 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.73	-30.39	49.34	74.00	-24.66	peak	P
2	2500.000	70.07	-30.37	39.70	74.00	-34.30	peak	P

TM5 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.98	-30.39	50.59	74.00	-23.41	peak	P
2	2500.000	71.51	-30.37	41.14	74.00	-32.86	peak	P

TM6 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	68.01	-30.59	37.42	74.00	-36.58	peak	P
2	2390.000	69.21	-30.49	38.72	74.00	-35.28	peak	P
3	2400.000	78.80	-30.48	48.32	74.00	-25.68	peak	P

TM6 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2310.000	67.57	-30.59	36.98	74.00	-37.02	peak	P
2	2390.000	70.33	-30.49	39.84	74.00	-34.16	peak	P
3	2400.000	78.17	-30.48	47.69	74.00	-26.31	peak	P

TM6 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	79.30	-30.39	48.91	74.00	-25.09	peak	P
2	2500.000	70.61	-30.37	40.24	74.00	-33.76	peak	P

TM6 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2483.500	80.23	-30.39	49.84	74.00	-24.16	peak	P
2	2500.000	71.98	-30.37	41.61	74.00	-32.39	peak	P

6.7 Emissions in restricted frequency bands (below 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

6.7.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.4 °C
Humidity:	51.1 %
Atmospheric Pressure:	1010 mbar

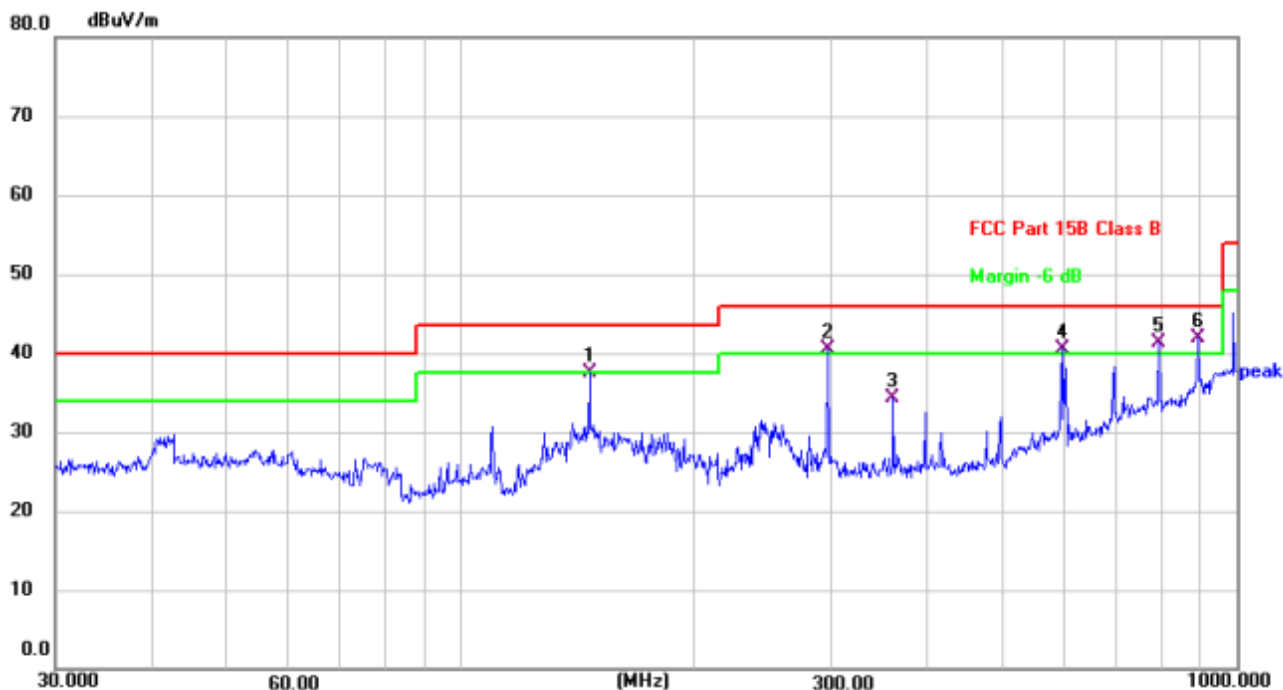
6.7.2 Test Data:

Note: All the mode have been tested, and only the worst case of 802.11n mode are in the report

Only the worst data (with adapter model TEKA-TE120300US) was recorded.

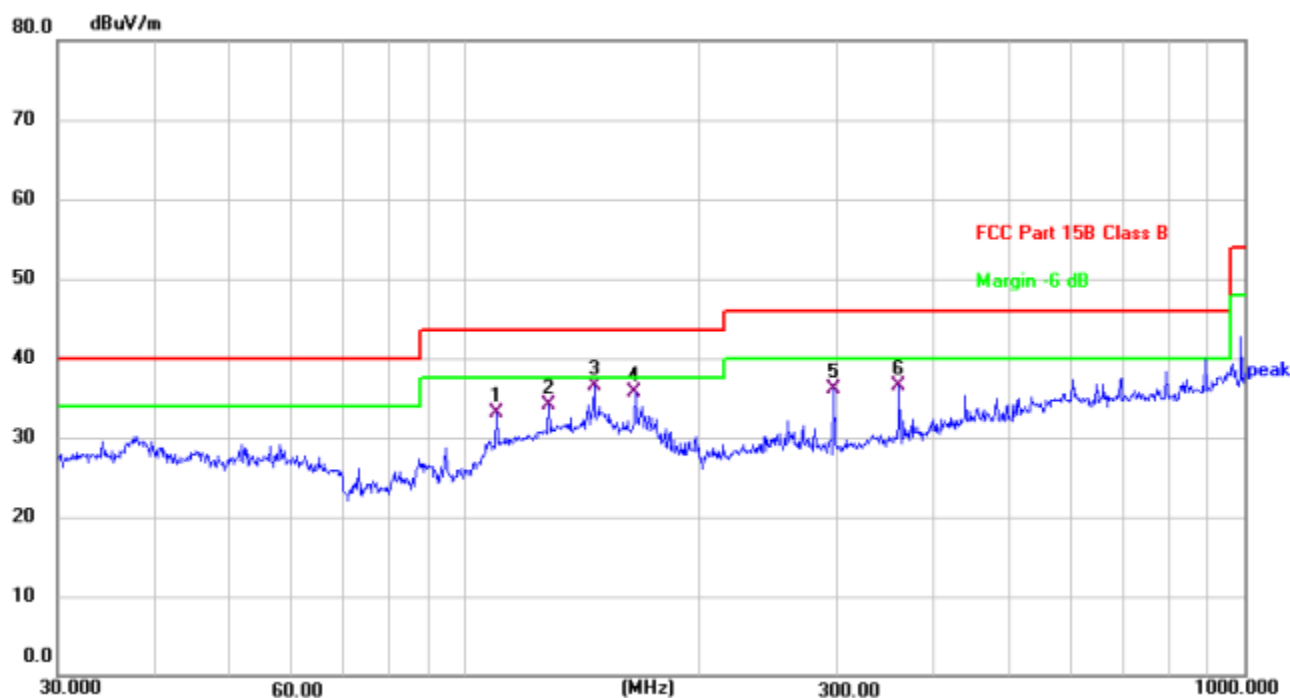
Level = Reading level + Factor

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	146.3734	54.47	-17.02	37.45	43.50	-6.05	QP	299	45	P	
2 !	297.2240	58.30	-17.85	40.45	46.00	-5.55	QP	100	214	P	
3	360.4476	50.60	-16.20	34.40	46.00	-11.60	QP	299	122	P	
4 !	595.1326	52.37	-11.77	40.60	46.00	-5.40	QP	100	165	P	
5 !	793.3960	50.18	-8.81	41.37	46.00	-4.63	QP	100	325	P	
6 *	890.7277	49.79	-7.98	41.81	46.00	-4.19	QP	399	189	P	

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	109.7960	53.15	-20.00	33.15	43.50	-10.35	QP	300	189	P	
2	128.1130	52.34	-18.26	34.08	43.50	-9.42	QP	200	37	P	
3 *	146.3734	53.49	-17.02	36.47	43.50	-7.03	QP	100	211	P	
4	165.4866	53.47	-17.80	35.67	43.50	-7.83	QP	100	245	P	
5	297.2240	53.92	-17.85	36.07	46.00	-9.93	QP	100	125	P	
6	360.4476	52.73	-16.20	36.53	46.00	-9.47	QP	100	254	P	

6.8 Emissions in restricted frequency bands (above 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Method:	Radiated emissions tests		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.			
Procedure:	ANSI C63.10-2013 section 6.6.4		

6.8.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

6.8.2 Test Data:

Note: Level = Reading level + Factor

Only the worst data (with adapter model TEKA-TE120300US) was recorded.

1G~25G:

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2914.900	69.90	-29.06	40.85	74.00	-33.15	peak	P
2	4277.779	68.91	-28.15	40.76	74.00	-33.24	peak	P
3	6084.613	65.43	-24.90	40.53	74.00	-33.47	peak	P
4	8646.330	69.73	-24.58	45.15	74.00	-28.85	peak	P
5	11046.573	68.17	-24.17	44.00	74.00	-30.00	peak	P
6	14218.410	71.11	-21.77	49.34	74.00	-24.66	peak	P

TM1 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2914.197	70.18	-29.23	40.95	74.00	-33.05	peak	P
2	4276.600	67.79	-28.70	39.09	74.00	-34.91	peak	P
3	6086.039	65.47	-25.60	39.87	74.00	-34.13	peak	P
4	8646.498	69.00	-25.92	43.08	74.00	-30.92	peak	P
5	11047.637	68.48	-23.38	45.10	74.00	-28.90	peak	P
6	14219.018	71.06	-21.69	49.37	74.00	-24.63	peak	P

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2974.060	66.73	-29.65	37.08	74.00	-36.92	peak	P
2	4313.845	69.47	-28.65	40.82	74.00	-33.18	peak	P
3	6353.162	68.24	-25.75	42.48	74.00	-31.52	peak	P
4	8575.613	69.94	-24.52	45.42	74.00	-28.58	peak	P
5	11287.135	67.44	-23.21	44.24	74.00	-29.76	peak	P
6	14955.660	70.80	-21.10	49.70	74.00	-24.30	peak	P

TM1 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2973.654	67.89	-29.43	38.46	74.00	-35.54	peak	P
2	4312.285	68.75	-28.07	40.68	74.00	-33.32	peak	P
3	6353.624	66.75	-26.14	40.60	74.00	-33.40	peak	P
4	8576.984	68.81	-26.06	42.75	74.00	-31.25	peak	P
5	11286.893	68.78	-22.44	46.34	74.00	-27.66	peak	P
6	14956.441	70.77	-20.22	50.55	74.00	-23.45	peak	P

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.577	66.25	-28.58	37.67	74.00	-36.33	peak	P
2	4477.365	67.33	-28.05	39.28	74.00	-34.72	peak	P
3	6404.994	68.59	-24.83	43.76	74.00	-30.24	peak	P
4	9119.046	69.20	-24.84	44.36	74.00	-29.64	peak	P
5	11646.390	71.12	-23.16	47.96	74.00	-26.04	peak	P
6	13474.912	72.08	-20.60	51.48	74.00	-22.52	peak	P

TM1 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.258	65.82	-29.32	36.51	74.00	-37.49	peak	P
2	4478.610	67.51	-29.56	37.95	74.00	-36.05	peak	P
3	6404.612	68.87	-24.47	44.40	74.00	-29.60	peak	P
4	9117.728	69.09	-23.49	45.60	74.00	-28.40	peak	P
5	11646.868	70.91	-23.36	47.55	74.00	-26.45	peak	P
6	13474.268	71.49	-20.08	51.41	74.00	-22.59	peak	P

TM2 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3118.494	64.86	-29.89	34.96	74.00	-39.04	peak	P
2	4109.758	66.94	-28.62	38.33	74.00	-35.67	peak	P
3	5952.438	67.90	-24.92	42.98	74.00	-31.02	peak	P
4	7571.621	65.95	-23.92	42.03	74.00	-31.97	peak	P
5	9929.071	70.10	-23.21	46.89	74.00	-27.11	peak	P
6	12827.052	70.01	-22.07	47.94	74.00	-26.06	peak	P

TM2 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3119.133	63.48	-28.97	34.51	74.00	-39.49	peak	P
2	4109.190	67.94	-29.08	38.85	74.00	-35.15	peak	P
3	5952.329	69.55	-24.55	45.00	74.00	-29.00	peak	P
4	7571.341	65.83	-24.71	41.11	74.00	-32.89	peak	P
5	9930.479	69.91	-24.97	44.94	74.00	-29.06	peak	P
6	12827.431	70.55	-21.49	49.07	74.00	-24.93	peak	P

TM2 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2915.537	70.59	-29.53	41.06	74.00	-32.94	peak	P
2	4277.074	67.36	-28.29	39.07	74.00	-34.93	peak	P
3	6085.246	64.62	-25.26	39.36	74.00	-34.64	peak	P
4	8645.064	69.11	-24.53	44.59	74.00	-29.41	peak	P
5	11048.100	68.35	-22.53	45.82	74.00	-28.18	peak	P
6	14218.584	69.87	-20.20	49.66	74.00	-24.34	peak	P

TM2 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2914.721	70.05	-29.28	40.77	74.00	-33.23	peak	P
2	4276.677	67.35	-29.41	37.93	74.00	-36.07	peak	P
3	6084.663	64.26	-25.13	39.13	74.00	-34.87	peak	P
4	8646.193	70.37	-25.30	45.07	74.00	-28.93	peak	P
5	11046.727	67.76	-22.53	45.23	74.00	-28.77	peak	P
6	14217.842	71.67	-20.50	51.17	74.00	-22.83	peak	P

TM2 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2973.967	66.18	-29.09	37.09	74.00	-36.91	peak	P
2	4313.110	69.52	-29.66	39.86	74.00	-34.14	peak	P
3	6353.808	66.72	-24.88	41.84	74.00	-32.16	peak	P
4	8575.443	70.35	-24.64	45.72	74.00	-28.28	peak	P
5	11286.598	67.34	-24.19	43.15	74.00	-30.85	peak	P
6	14954.847	71.54	-19.77	51.77	74.00	-22.23	peak	P

TM2 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2974.167	67.85	-30.00	37.85	74.00	-36.15	peak	P
2	4313.106	68.53	-29.49	39.04	74.00	-34.96	peak	P
3	6352.623	67.02	-24.77	42.25	74.00	-31.75	peak	P
4	8575.771	69.00	-25.69	43.31	74.00	-30.69	peak	P
5	11285.583	67.47	-22.73	44.74	74.00	-29.26	peak	P
6	14955.319	71.14	-19.62	51.52	74.00	-22.48	peak	P

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.371	65.76	-29.07	36.69	74.00	-37.31	peak	P
2	4478.950	66.61	-28.09	38.52	74.00	-35.48	peak	P
3	6404.667	68.97	-26.14	42.84	74.00	-31.16	peak	P
4	9117.562	68.56	-24.15	44.41	74.00	-29.59	peak	P
5	11647.699	69.41	-21.83	47.58	74.00	-26.42	peak	P
6	13473.967	73.36	-19.86	53.50	74.00	-20.50	peak	P

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.504	65.84	-30.29	35.56	74.00	-38.44	peak	P
2	4477.981	67.80	-28.44	39.37	74.00	-34.63	peak	P
3	6405.503	69.61	-25.96	43.65	74.00	-30.35	peak	P
4	9118.094	68.85	-25.00	43.85	74.00	-30.15	peak	P
5	11647.115	69.81	-23.68	46.12	74.00	-27.88	peak	P
6	13473.519	71.93	-20.91	51.02	74.00	-22.98	peak	P

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3119.936	63.47	-28.75	34.72	74.00	-39.28	peak	P
2	4110.194	67.20	-28.38	38.82	74.00	-35.18	peak	P
3	5953.485	68.57	-24.69	43.88	74.00	-30.12	peak	P
4	7572.153	65.84	-23.97	41.87	74.00	-32.13	peak	P
5	9929.557	70.13	-23.86	46.27	74.00	-27.73	peak	P
6	12828.442	71.19	-21.94	49.25	74.00	-24.75	peak	P

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3119.895	64.26	-28.75	35.51	74.00	-38.49	peak	P
2	4110.787	66.78	-28.67	38.11	74.00	-35.89	peak	P
3	5952.276	68.97	-25.96	43.01	74.00	-30.99	peak	P
4	7572.276	65.72	-23.95	41.77	74.00	-32.23	peak	P
5	9928.810	70.01	-24.17	45.84	74.00	-28.16	peak	P
6	12828.233	70.95	-21.46	49.48	74.00	-24.52	peak	P

TM3 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3119.618	63.41	-29.34	34.07	74.00	-39.93	peak	P
2	4110.433	67.97	-29.45	38.52	74.00	-35.48	peak	P
3	5953.673	69.27	-25.35	43.92	74.00	-30.08	peak	P
4	7571.641	65.17	-24.60	40.57	74.00	-33.43	peak	P
5	9929.032	70.42	-23.37	47.05	74.00	-26.95	peak	P
6	12827.795	69.54	-22.08	47.46	74.00	-26.54	peak	P

TM3 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.727	66.72	-28.71	38.01	74.00	-35.99	peak	P
2	4478.320	67.50	-28.74	38.77	74.00	-35.23	peak	P
3	6404.753	69.73	-26.16	43.56	74.00	-30.44	peak	P
4	9117.480	69.52	-23.16	46.36	74.00	-27.64	peak	P
5	11646.439	69.45	-22.83	46.62	74.00	-27.38	peak	P
6	13473.404	72.11	-21.28	50.82	74.00	-23.18	peak	P

TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2972.370	67.36	-28.71	38.64	74.00	-35.36	peak	P
2	4312.737	69.08	-28.07	41.00	74.00	-33.00	peak	P
3	6353.228	66.77	-25.45	41.32	74.00	-32.68	peak	P
4	8575.368	69.77	-26.05	43.72	74.00	-30.28	peak	P
5	11286.185	67.58	-22.62	44.97	74.00	-29.03	peak	P
6	14955.325	70.21	-20.49	49.72	74.00	-24.28	peak	P

TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2973.224	66.48	-30.24	36.24	74.00	-37.76	peak	P
2	4313.606	69.22	-28.27	40.96	74.00	-33.04	peak	P
3	6352.314	66.90	-25.55	41.35	74.00	-32.65	peak	P
4	8575.305	70.68	-24.57	46.11	74.00	-27.89	peak	P
5	11285.895	68.84	-23.07	45.77	74.00	-28.23	peak	P
6	14955.335	71.44	-19.71	51.74	74.00	-22.26	peak	P

TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2915.418	69.49	-29.45	40.03	74.00	-33.97	peak	P
2	4276.195	67.87	-29.22	38.65	74.00	-35.35	peak	P
3	6086.351	65.43	-24.45	40.98	74.00	-33.02	peak	P
4	8646.791	69.61	-24.15	45.47	74.00	-28.53	peak	P
5	11047.785	67.69	-23.63	44.06	74.00	-29.94	peak	P
6	14217.608	70.65	-20.86	49.79	74.00	-24.21	peak	P

TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2915.040	70.10	-29.54	40.56	74.00	-33.44	peak	P
2	4277.122	68.25	-28.59	39.67	74.00	-34.33	peak	P
3	6085.728	65.67	-25.53	40.15	74.00	-33.85	peak	P
4	8645.370	70.73	-25.94	44.79	74.00	-29.21	peak	P
5	11046.896	67.20	-22.47	44.73	74.00	-29.27	peak	P
6	14217.457	70.79	-21.26	49.54	74.00	-24.46	peak	P

TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3032.308	66.78	-29.50	37.28	74.00	-36.72	peak	P
2	4477.800	66.69	-28.17	38.52	74.00	-35.48	peak	P
3	6404.412	69.47	-25.76	43.71	74.00	-30.29	peak	P
4	9118.755	68.72	-23.94	44.78	74.00	-29.22	peak	P
5	11646.601	69.98	-23.79	46.19	74.00	-27.81	peak	P
6	13473.608	73.28	-20.61	52.67	74.00	-21.33	peak	P

TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.739	65.82	-30.47	35.35	74.00	-38.65	peak	P
2	4478.302	68.07	-28.26	39.81	74.00	-34.19	peak	P
3	6405.849	68.26	-26.24	42.01	74.00	-31.99	peak	P
4	9118.818	69.10	-23.37	45.73	74.00	-28.27	peak	P
5	11648.055	70.52	-22.59	47.93	74.00	-26.07	peak	P
6	13474.099	71.88	-20.68	51.19	74.00	-22.81	peak	P

TM5 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3118.494	64.84	-29.15	35.69	74.00	-38.31	peak	P
2	4109.789	68.34	-28.91	39.43	74.00	-34.57	peak	P
3	5953.719	68.94	-25.02	43.92	74.00	-30.08	peak	P
4	7570.999	65.83	-25.75	40.08	74.00	-33.92	peak	P
5	9929.873	70.62	-24.70	45.92	74.00	-28.08	peak	P
6	12828.771	71.22	-22.16	49.06	74.00	-24.94	peak	P

TM5 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3119.401	63.09	-28.82	34.26	74.00	-39.74	peak	P
2	4109.548	67.43	-28.32	39.12	74.00	-34.88	peak	P
3	5953.142	68.59	-25.73	42.86	74.00	-31.14	peak	P
4	7572.669	65.25	-24.17	41.08	74.00	-32.92	peak	P
5	9930.189	70.04	-24.56	45.47	74.00	-28.53	peak	P
6	12827.145	69.55	-21.54	48.01	74.00	-25.99	peak	P

TM5 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2915.380	69.49	-30.28	39.21	74.00	-34.79	peak	P
2	4276.552	68.49	-27.96	40.53	74.00	-33.47	peak	P
3	6085.248	65.08	-25.47	39.61	74.00	-34.39	peak	P
4	8646.219	69.75	-25.93	43.82	74.00	-30.18	peak	P
5	11047.048	66.99	-23.54	43.45	74.00	-30.55	peak	P
6	14217.693	69.94	-20.85	49.09	74.00	-24.91	peak	P

TM5 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2972.394	67.25	-29.15	38.10	74.00	-35.90	peak	P
2	4312.676	68.27	-27.92	40.35	74.00	-33.65	peak	P
3	6354.083	67.82	-25.31	42.51	74.00	-31.49	peak	P
4	8576.524	69.71	-25.99	43.72	74.00	-30.28	peak	P
5	11285.849	68.24	-23.93	44.31	74.00	-29.69	peak	P
6	14955.407	70.42	-19.36	51.07	74.00	-22.93	peak	P

TM5 / Polarization: Horizontal / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3032.813	65.94	-29.54	36.40	74.00	-37.60	peak	P
2	4479.062	66.92	-28.59	38.33	74.00	-35.67	peak	P
3	6404.363	68.63	-24.65	43.98	74.00	-30.02	peak	P
4	9118.495	69.28	-23.30	45.98	74.00	-28.02	peak	P
5	11647.659	69.61	-22.48	47.12	74.00	-26.88	peak	P
6	13473.873	73.19	-19.44	53.74	74.00	-20.26	peak	P

TM5 / Polarization: Vertical / Band: 2.4G / BW: 20 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.886	66.03	-29.36	36.66	74.00	-37.34	peak	P
2	4478.381	66.82	-28.79	38.03	74.00	-35.97	peak	P
3	6404.371	69.80	-25.88	43.92	74.00	-30.08	peak	P
4	9119.153	68.45	-24.18	44.26	74.00	-29.74	peak	P
5	11646.463	70.77	-22.23	48.55	74.00	-25.45	peak	P
6	13473.884	72.13	-21.14	50.99	74.00	-23.01	peak	P

TM6 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2972.563	66.85	-28.71	38.14	74.00	-35.86	peak	P
2	4313.489	68.41	-27.98	40.43	74.00	-33.57	peak	P
3	6353.913	67.43	-25.09	42.34	74.00	-31.66	peak	P
4	8577.174	70.12	-25.13	44.99	74.00	-29.01	peak	P
5	11285.535	68.24	-22.40	45.83	74.00	-28.17	peak	P
6	14955.933	70.66	-19.32	51.34	74.00	-22.66	peak	P

TM6 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2973.593	66.15	-29.91	36.24	74.00	-37.76	peak	P
2	4312.629	69.14	-28.95	40.19	74.00	-33.81	peak	P
3	6352.620	67.50	-24.58	42.92	74.00	-31.08	peak	P
4	8575.222	69.85	-24.51	45.34	74.00	-28.66	peak	P
5	11286.314	68.44	-22.58	45.86	74.00	-28.14	peak	P
6	14955.119	70.62	-20.02	50.60	74.00	-23.40	peak	P

TM6 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.731	66.72	-30.04	36.67	74.00	-37.33	peak	P
2	4478.457	67.08	-29.04	38.04	74.00	-35.96	peak	P
3	6404.298	68.23	-25.50	42.73	74.00	-31.27	peak	P
4	9119.140	68.21	-23.07	45.14	74.00	-28.86	peak	P
5	11646.832	69.36	-23.42	45.94	74.00	-28.06	peak	P
6	13473.101	73.18	-21.12	52.06	74.00	-21.94	peak	P

TM6 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: M

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3120.345	64.63	-30.16	34.47	74.00	-39.53	peak	P
2	4109.295	67.63	-28.69	38.94	74.00	-35.06	peak	P
3	5954.224	67.89	-26.19	41.70	74.00	-32.30	peak	P
4	7572.294	65.49	-24.57	40.93	74.00	-33.07	peak	P
5	9929.578	70.22	-24.71	45.51	74.00	-28.49	peak	P
6	12828.597	69.87	-21.85	48.02	74.00	-25.98	peak	P

TM6 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: H

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3033.932	65.77	-29.49	36.28	74.00	-37.72	peak	P
2	4478.563	66.62	-29.08	37.54	74.00	-36.46	peak	P
3	6405.082	68.06	-24.44	43.63	74.00	-30.37	peak	P
4	9117.296	68.23	-23.53	44.70	74.00	-29.30	peak	P
5	11648.200	69.99	-22.58	47.41	74.00	-26.59	peak	P
6	13474.864	71.51	-20.45	51.06	74.00	-22.94	peak	P

TM6 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: H

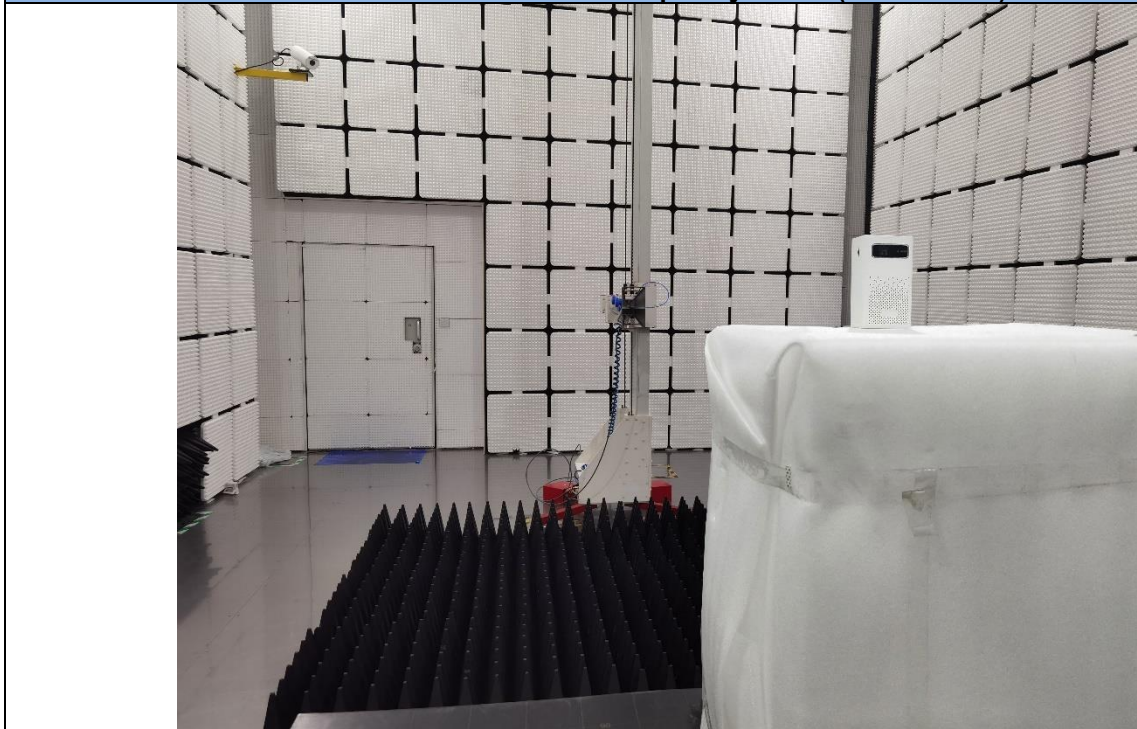
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3032.384	66.13	-29.67	36.46	74.00	-37.54	peak	P
2	4478.024	67.72	-28.95	38.77	74.00	-35.23	peak	P
3	6405.327	69.68	-24.48	45.21	74.00	-28.79	peak	P
4	9117.817	67.83	-23.49	44.34	74.00	-29.66	peak	P
5	11646.408	70.34	-22.99	47.36	74.00	-26.64	peak	P
6	13473.522	71.66	-20.43	51.23	74.00	-22.77	peak	P

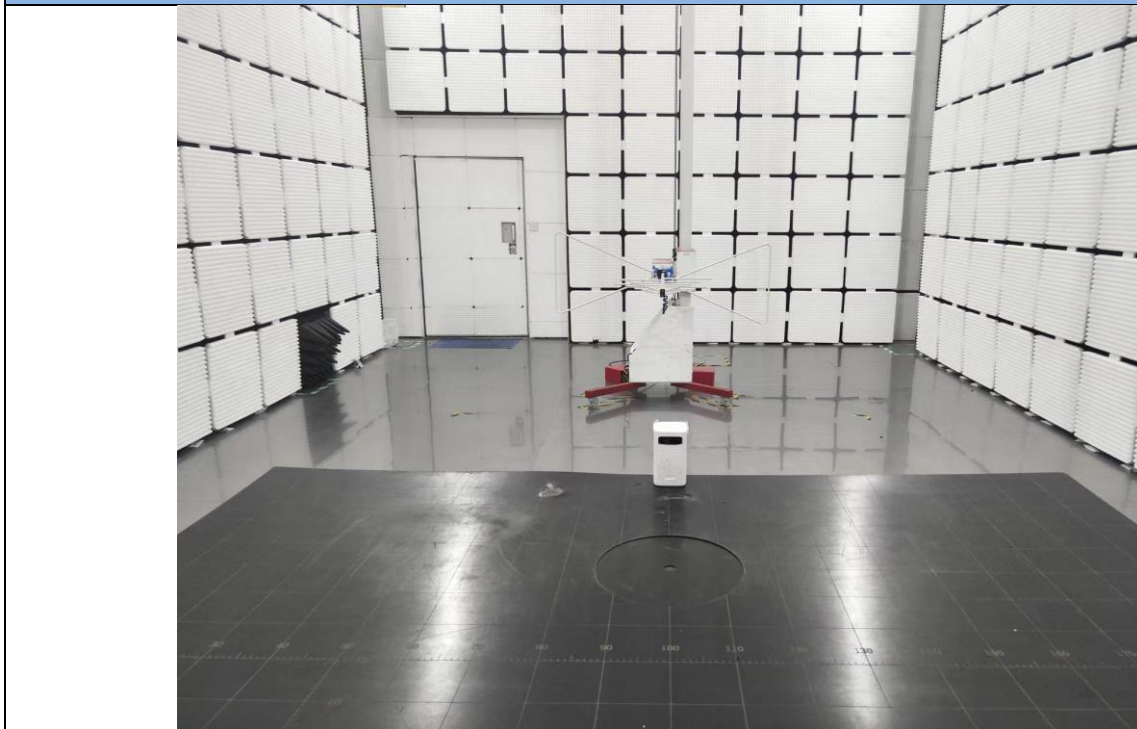
7 Test Setup Photos

Conducted Emission at AC power line



Band edge emissions (Radiated)
Emissions in restricted frequency bands (above 1GHz)



Emissions in restricted frequency bands (below 1GHz)

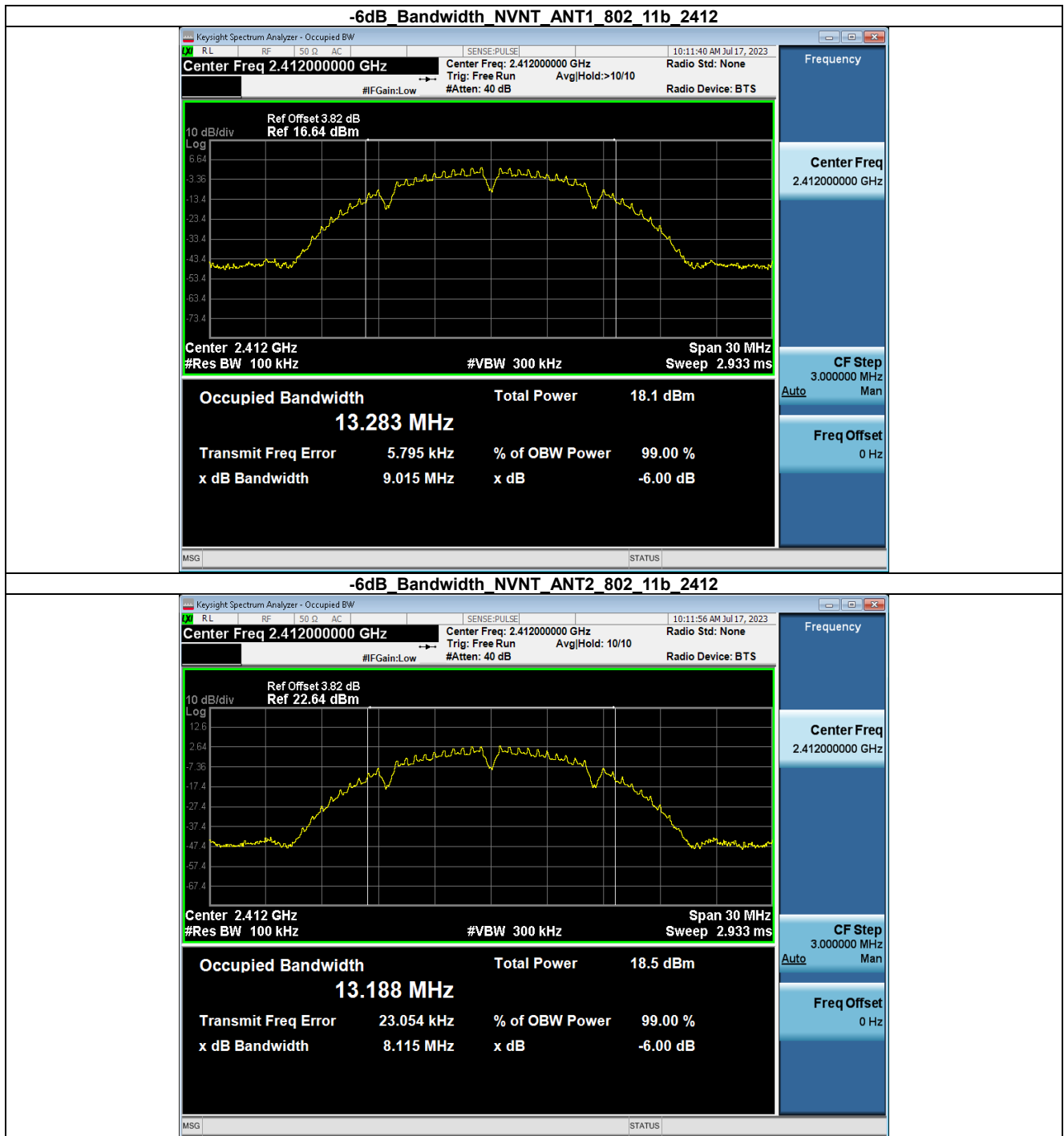
8 EUT Constructional Details (EUT Photos)

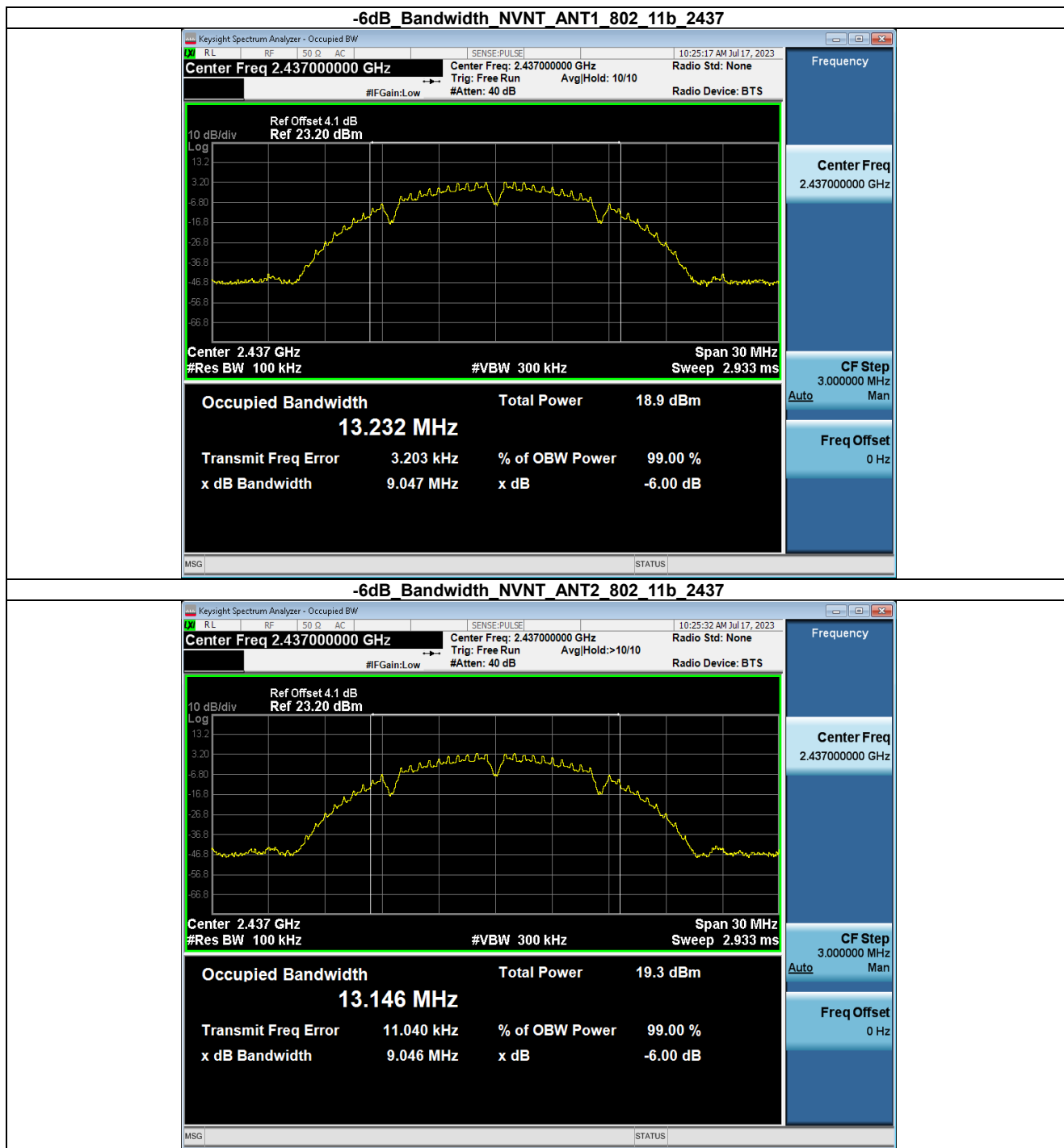
Please refer to the Appendix EUT Photos.

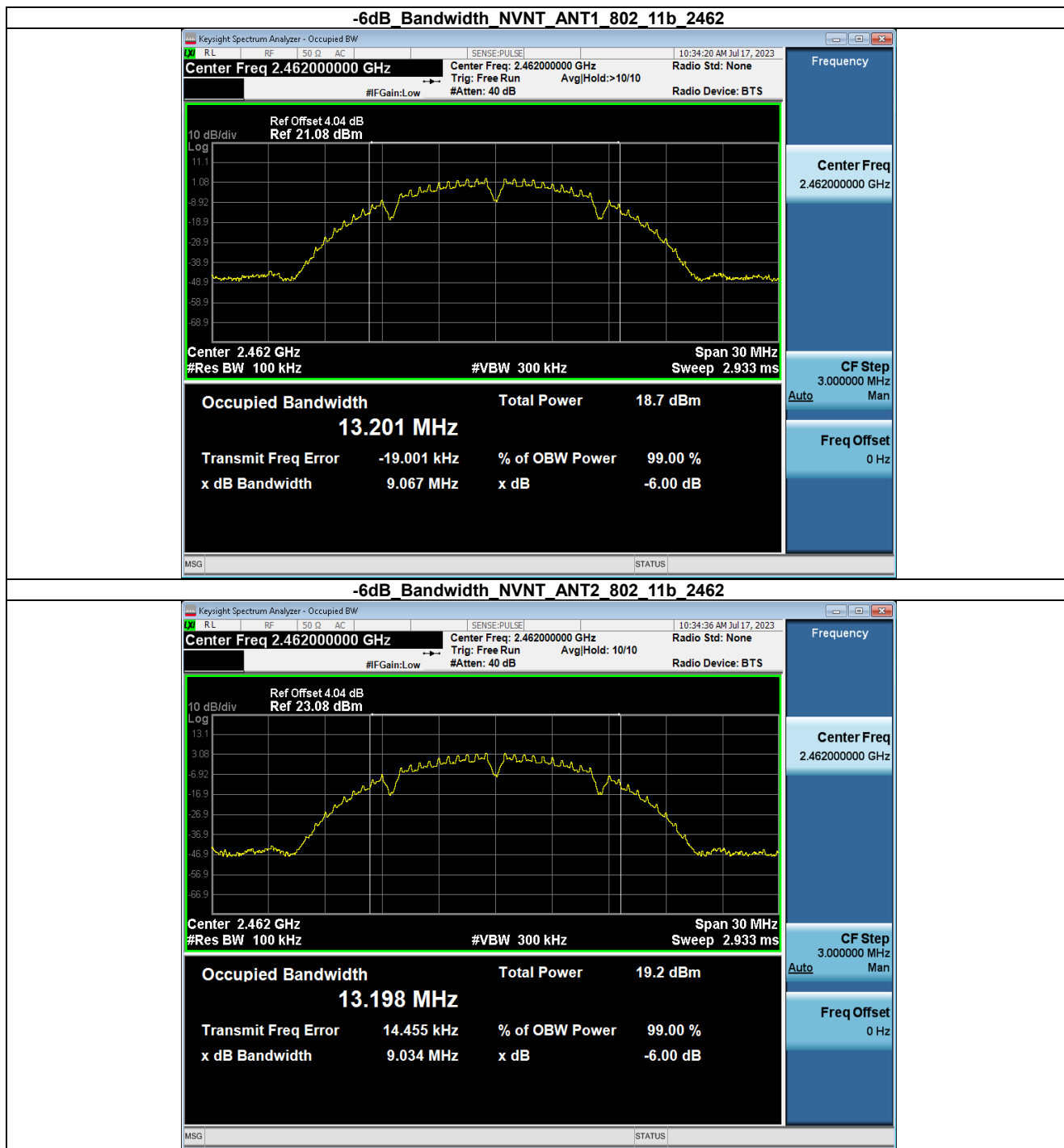
Appendix

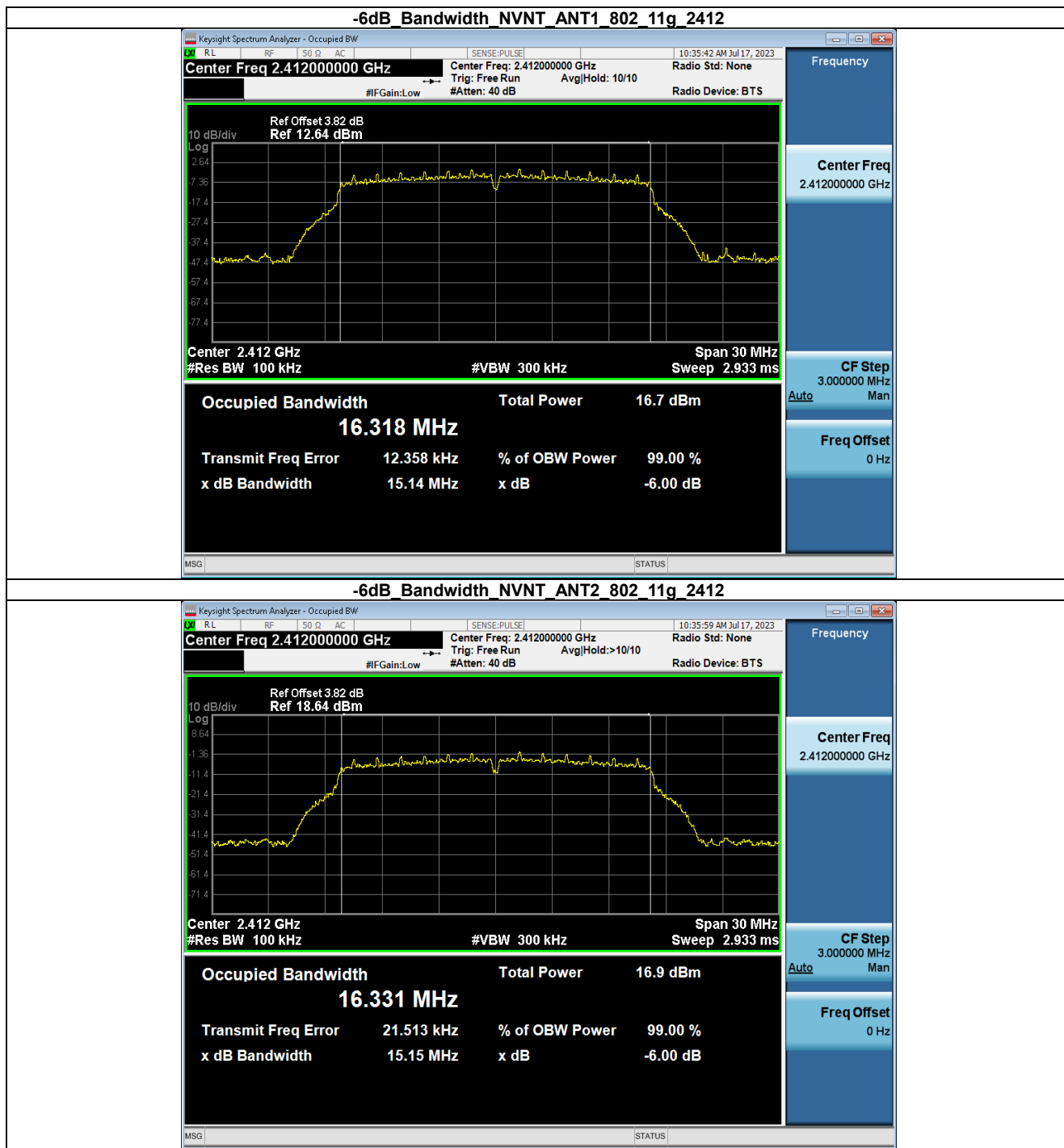
-6dB Bandwidth

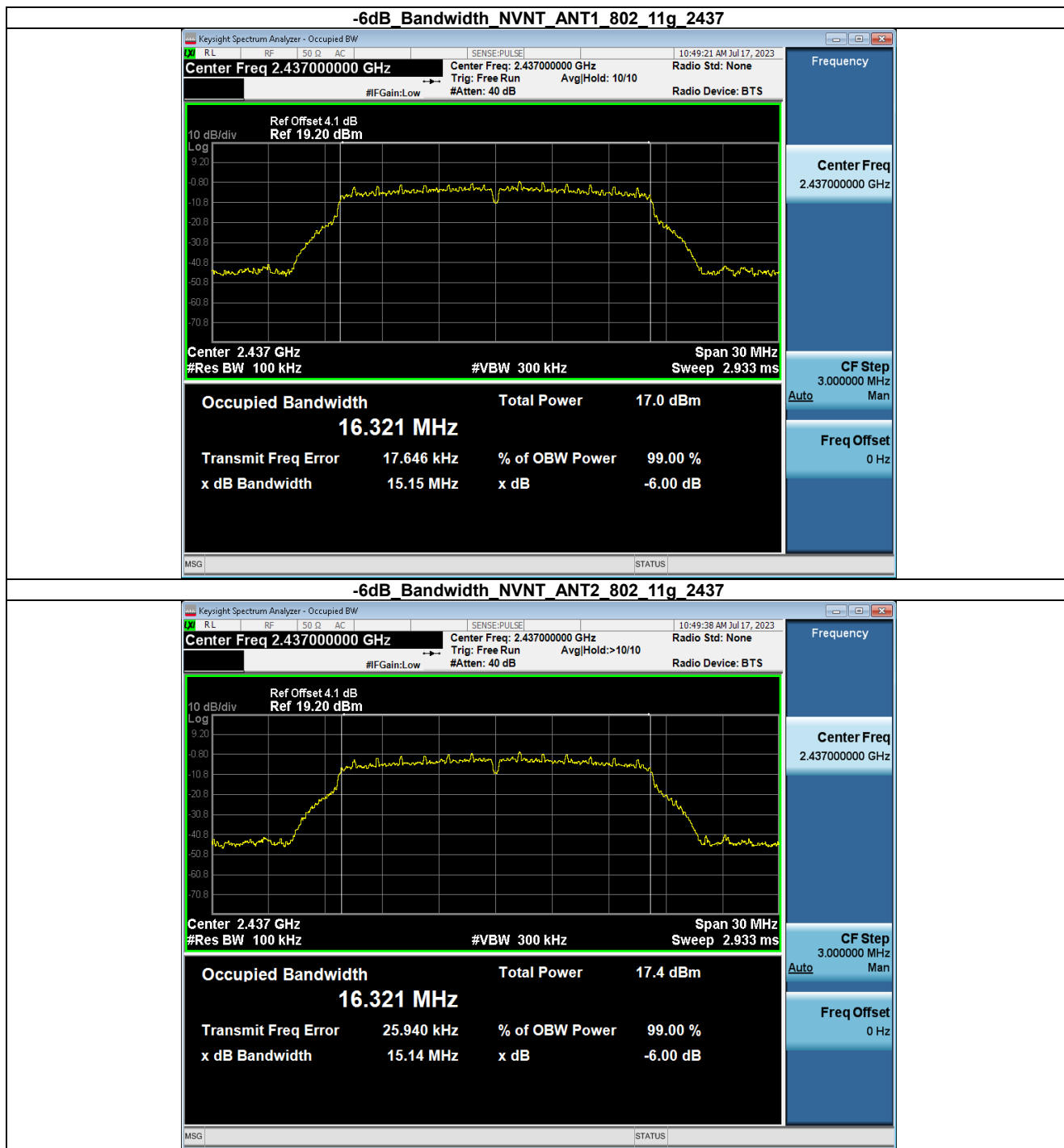
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.02	500	Pass
NVNT	ANT2	802.11b	2412.00	8.12	500	Pass
NVNT	ANT1	802.11b	2437.00	9.05	500	Pass
NVNT	ANT2	802.11b	2437.00	9.05	500	Pass
NVNT	ANT1	802.11b	2462.00	9.07	500	Pass
NVNT	ANT2	802.11b	2462.00	9.03	500	Pass
NVNT	ANT1	802.11g	2412.00	15.14	500	Pass
NVNT	ANT2	802.11g	2412.00	15.15	500	Pass
NVNT	ANT1	802.11g	2437.00	15.15	500	Pass
NVNT	ANT2	802.11g	2437.00	15.14	500	Pass
NVNT	ANT1	802.11g	2462.00	15.14	500	Pass
NVNT	ANT2	802.11g	2462.00	15.15	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.72	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	15.14	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.74	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	15.13	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	15.46	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	15.14	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	16.31	500	Pass
NVNT	ANT2	802.11ax(HE20)	2412.00	15.14	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	15.73	500	Pass
NVNT	ANT2	802.11ax(HE20)	2437.00	15.15	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	15.71	500	Pass
NVNT	ANT2	802.11ax(HE20)	2462.00	15.14	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.16	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	35.17	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.13	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	35.13	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.16	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	35.18	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	35.16	500	Pass
NVNT	ANT2	802.11ax(HE40)	2422.00	35.17	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	35.14	500	Pass
NVNT	ANT2	802.11ax(HE40)	2437.00	35.14	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	35.16	500	Pass
NVNT	ANT2	802.11ax(HE40)	2452.00	35.18	500	Pass

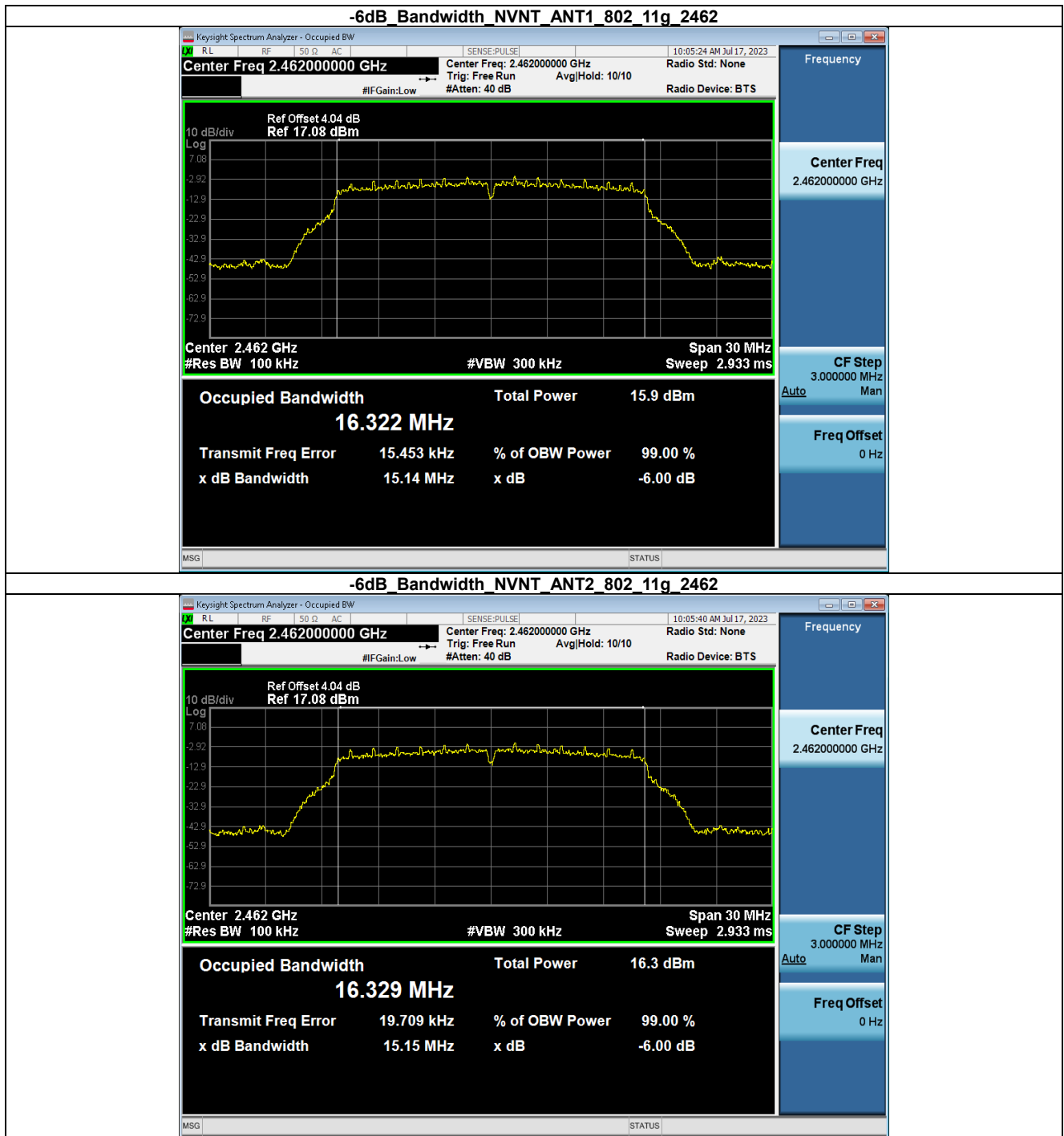


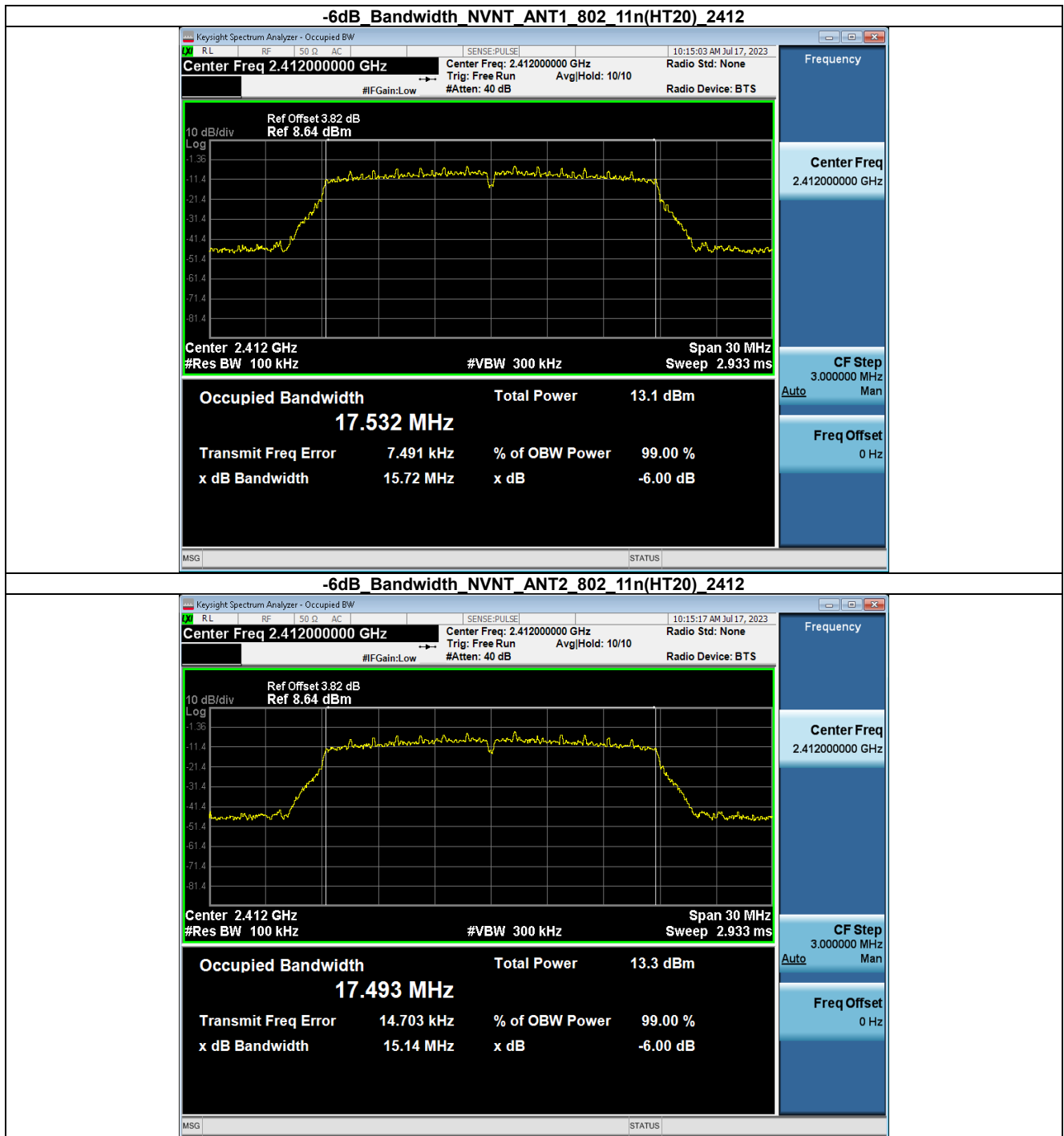


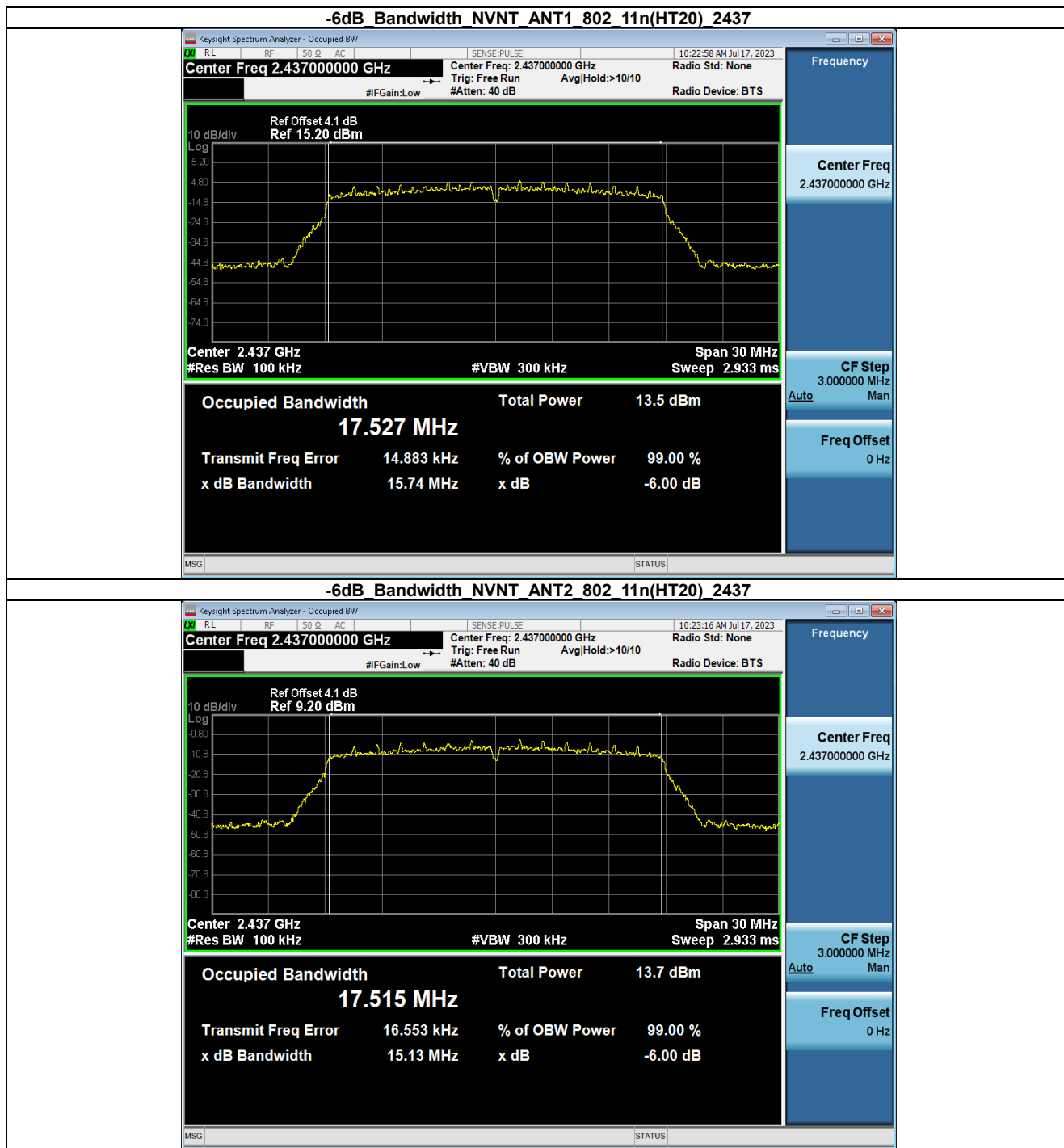


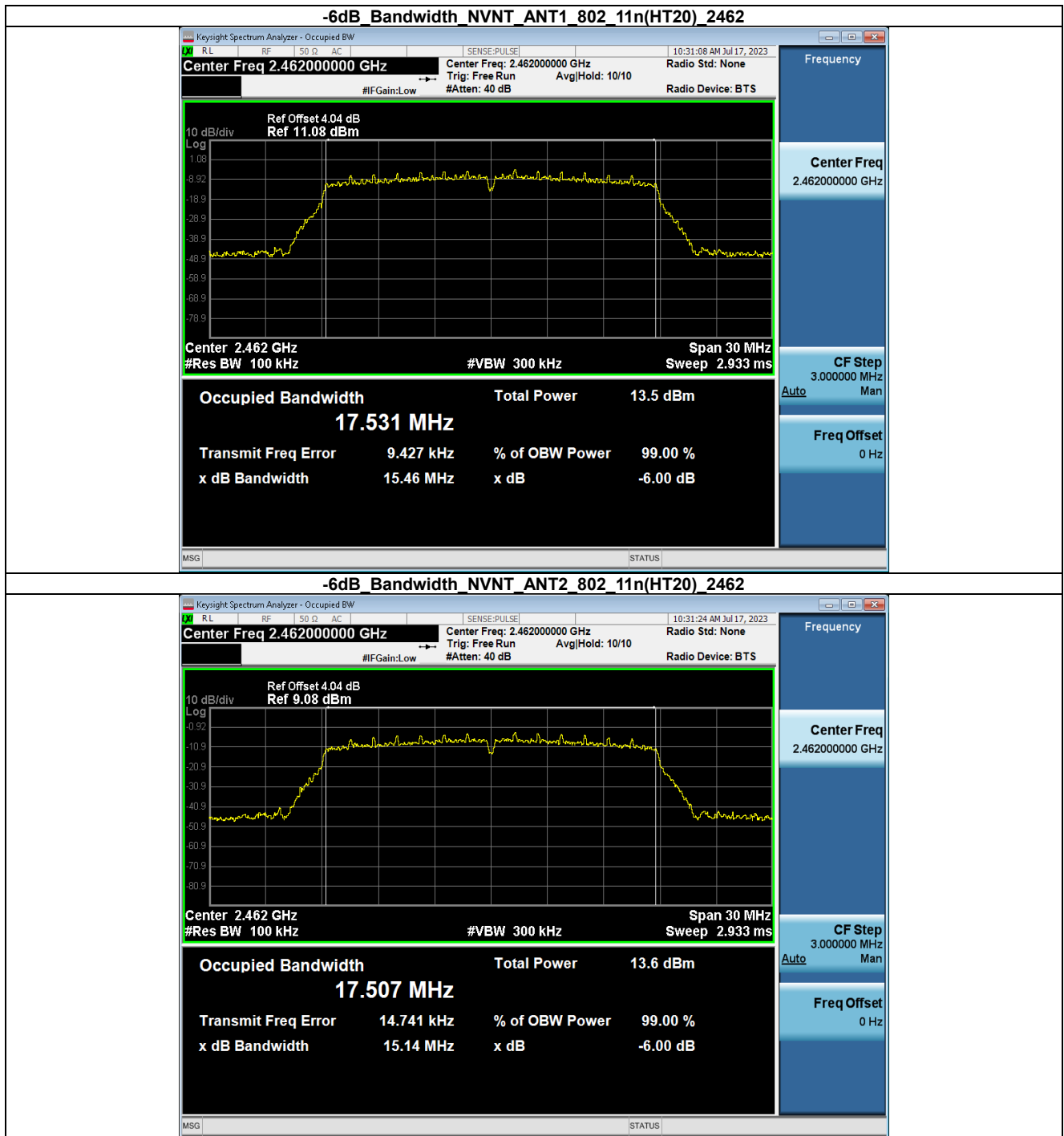


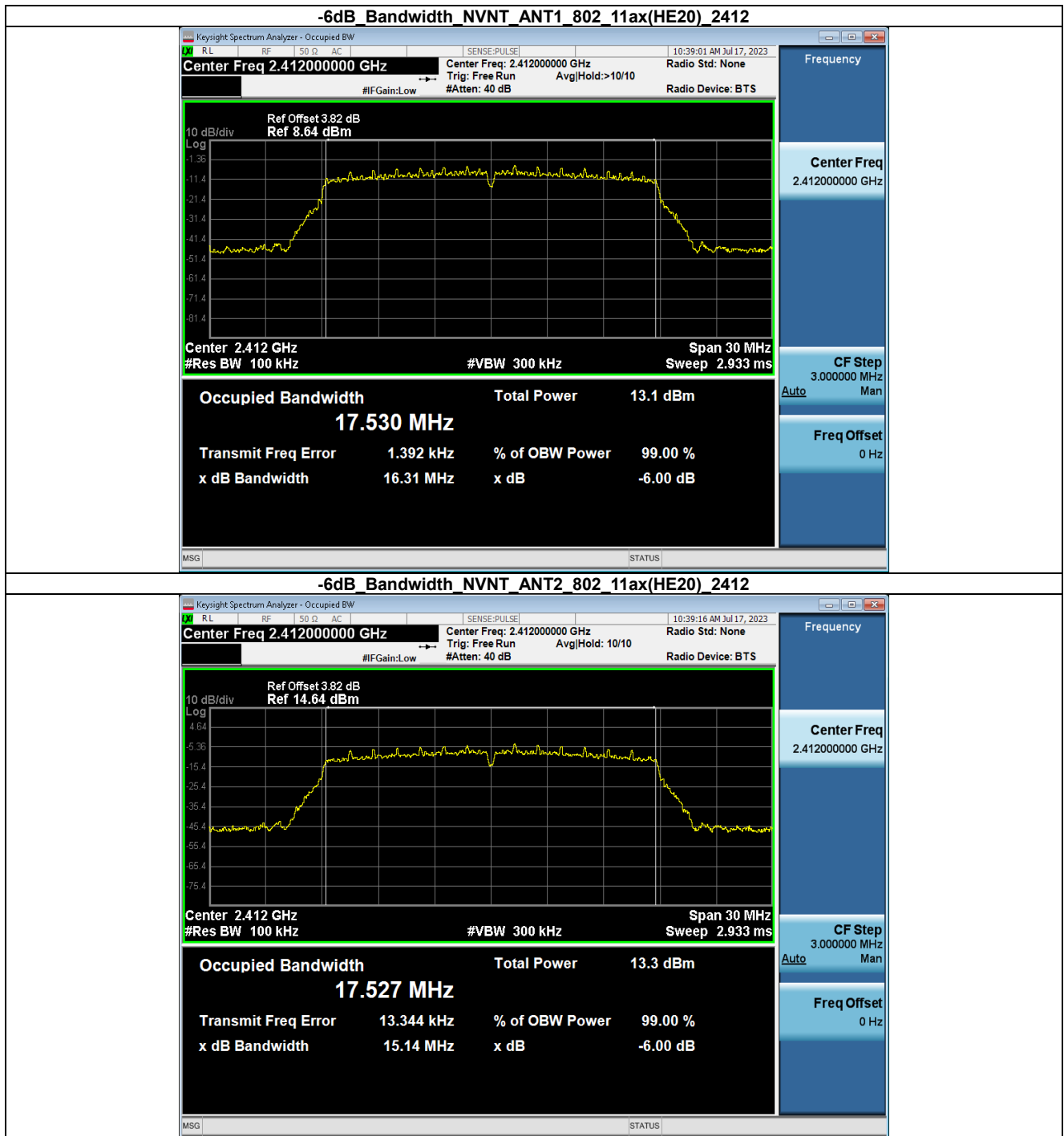


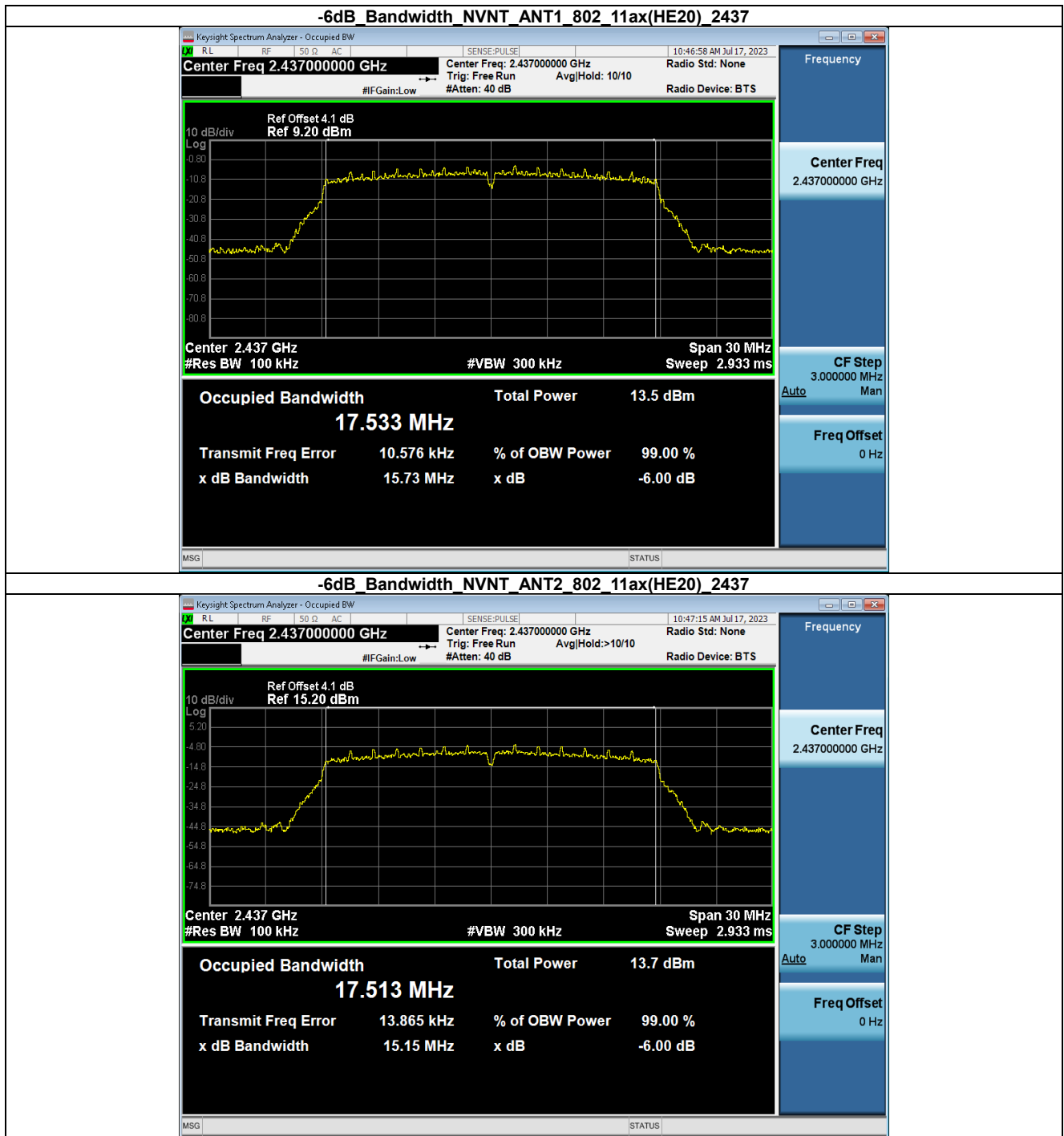


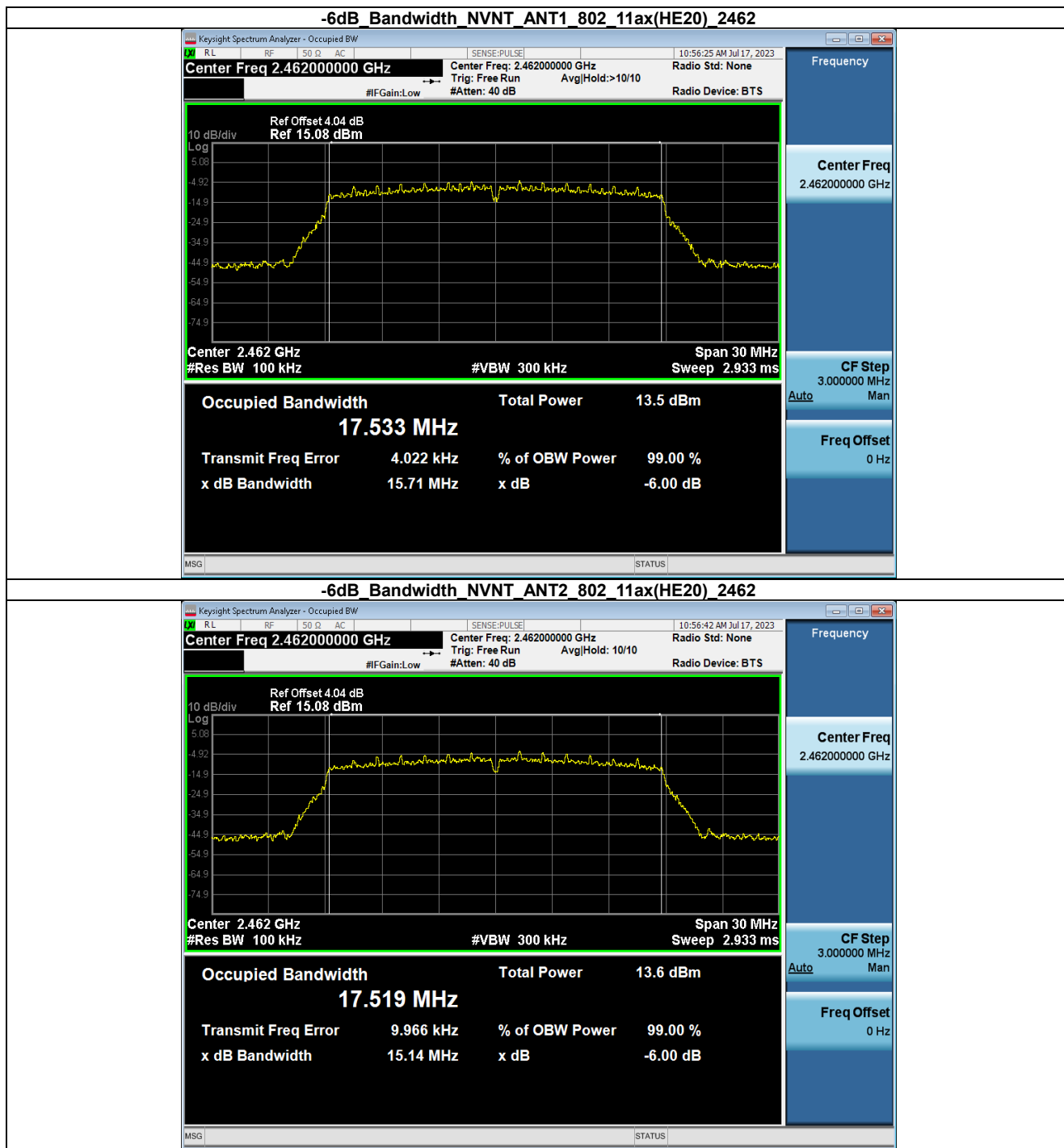


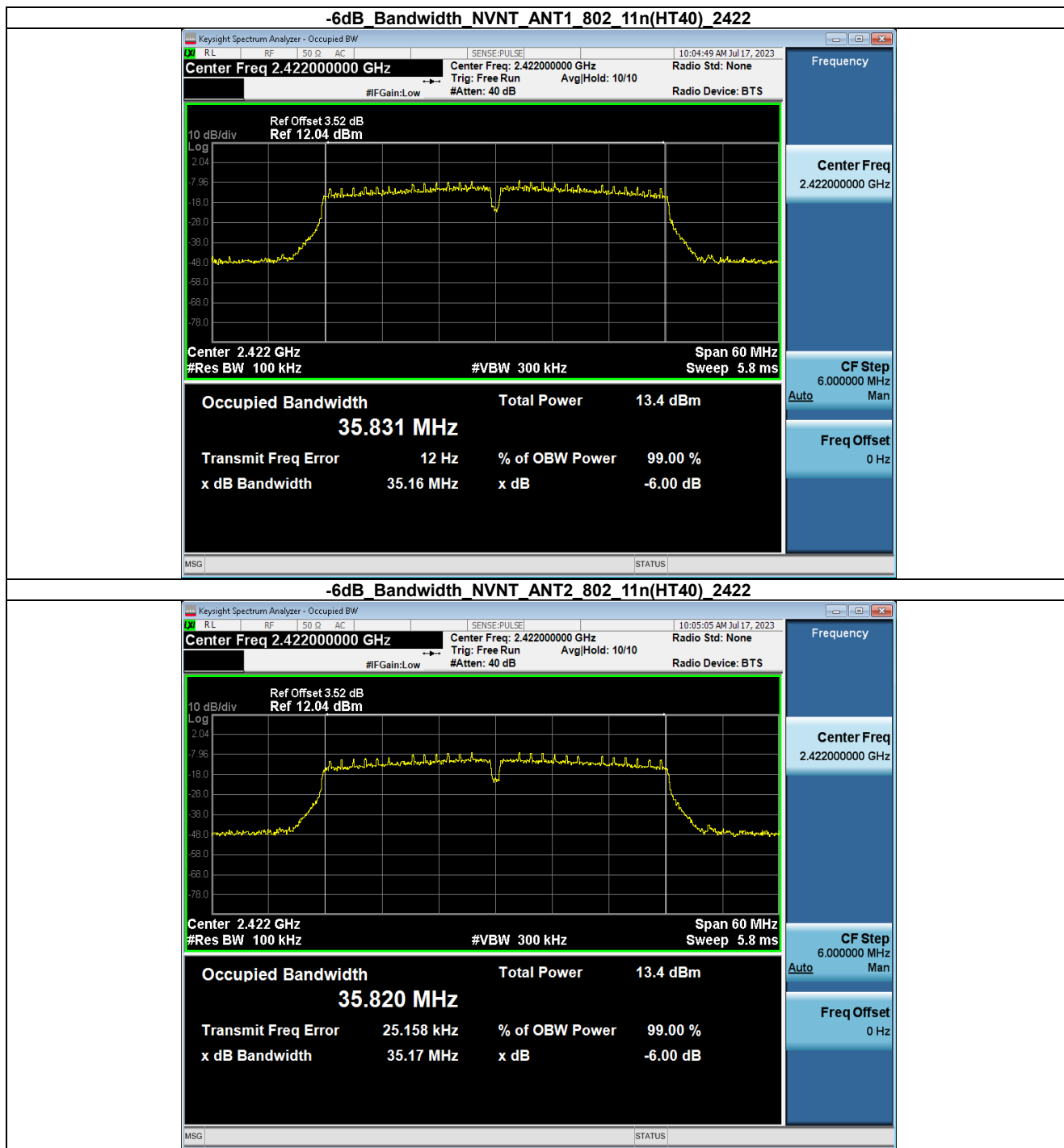


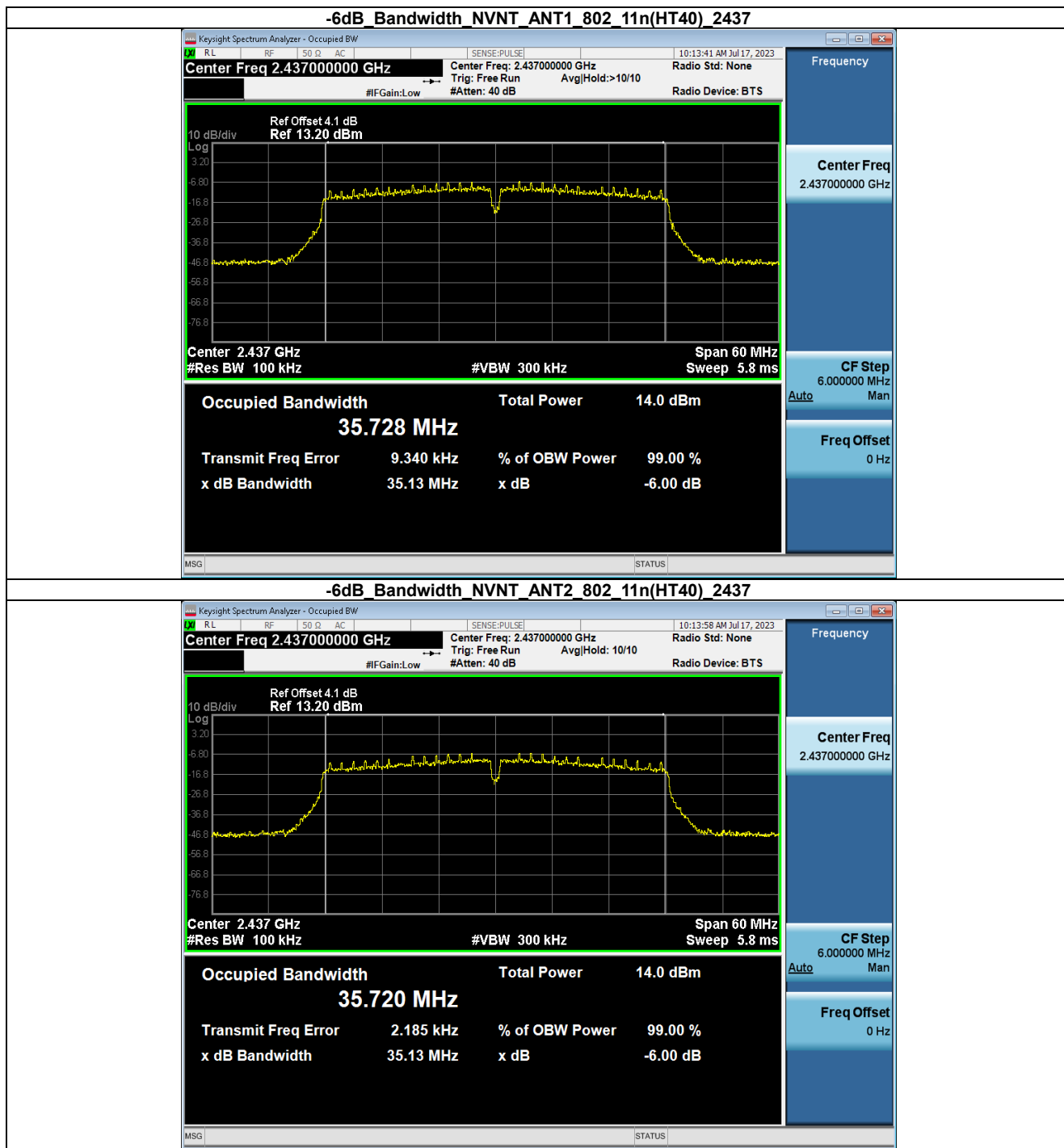


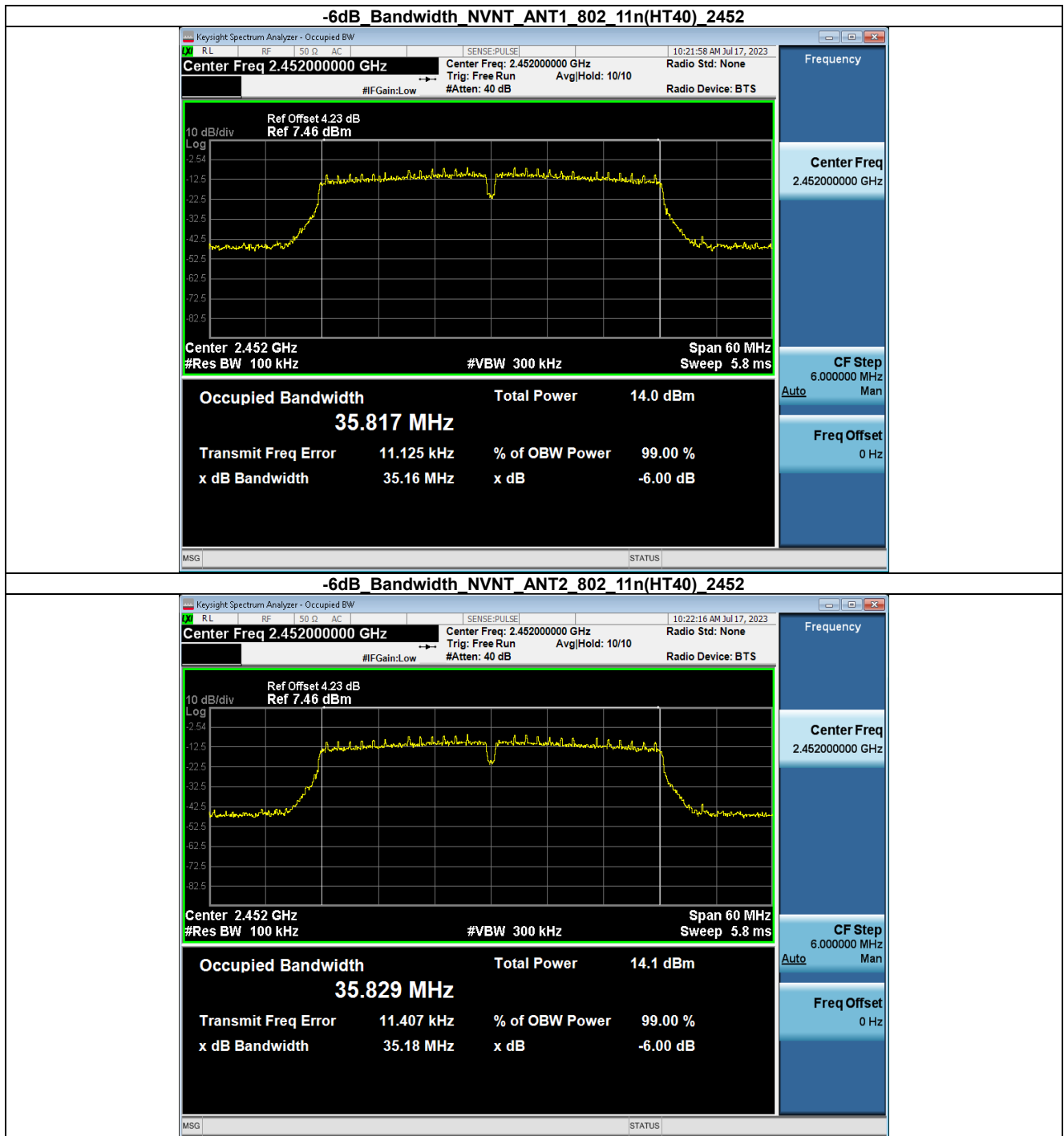


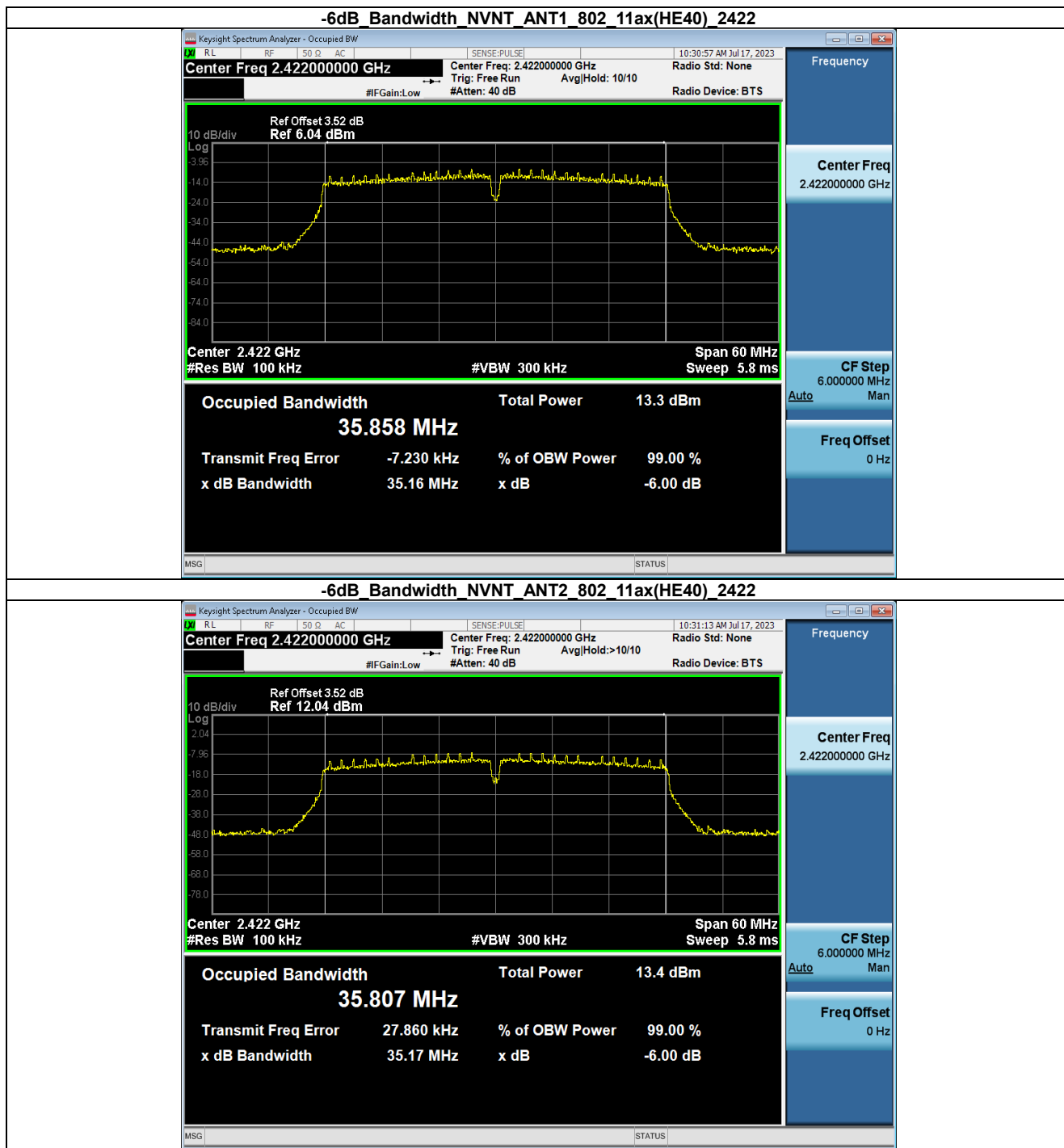


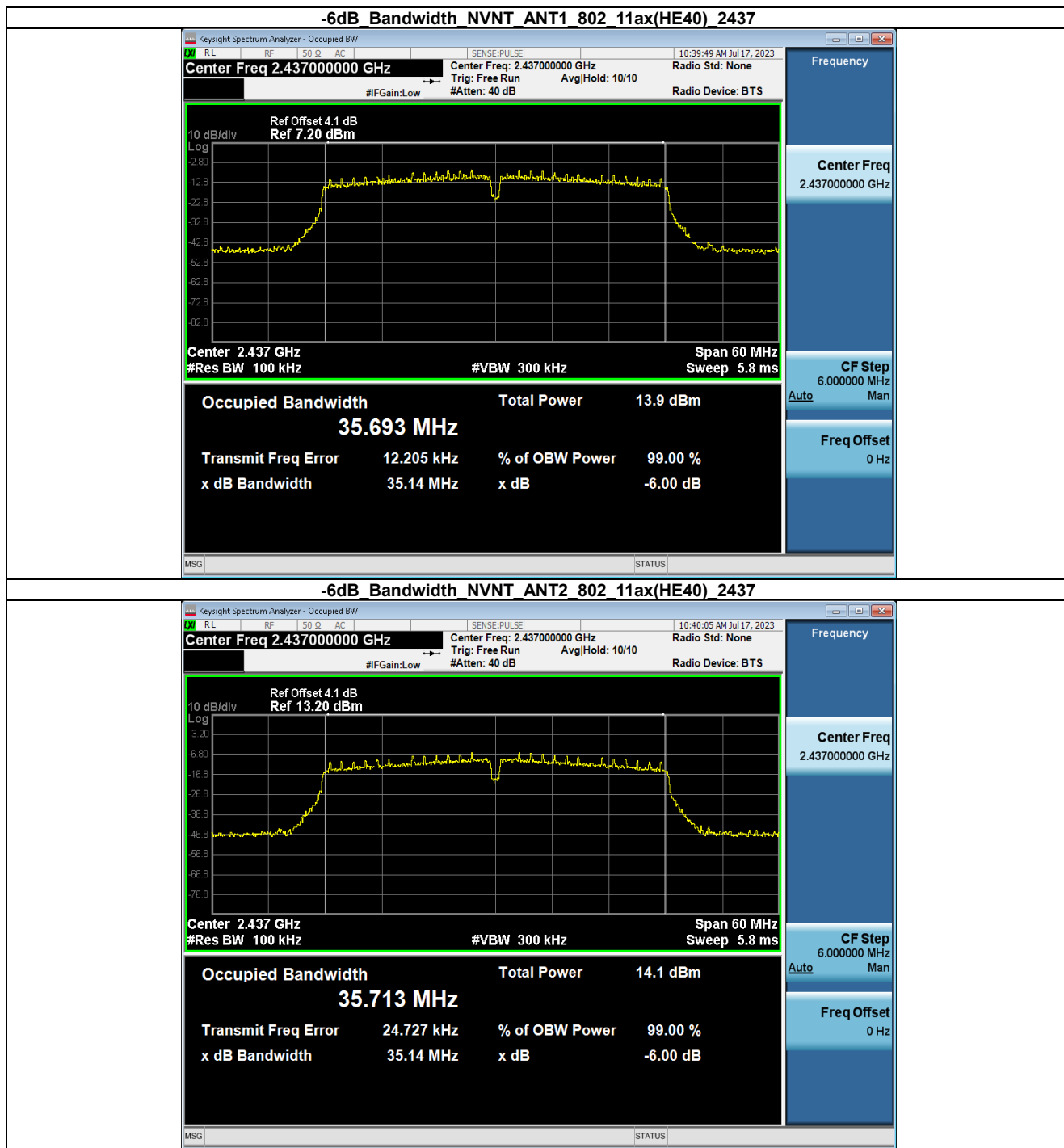


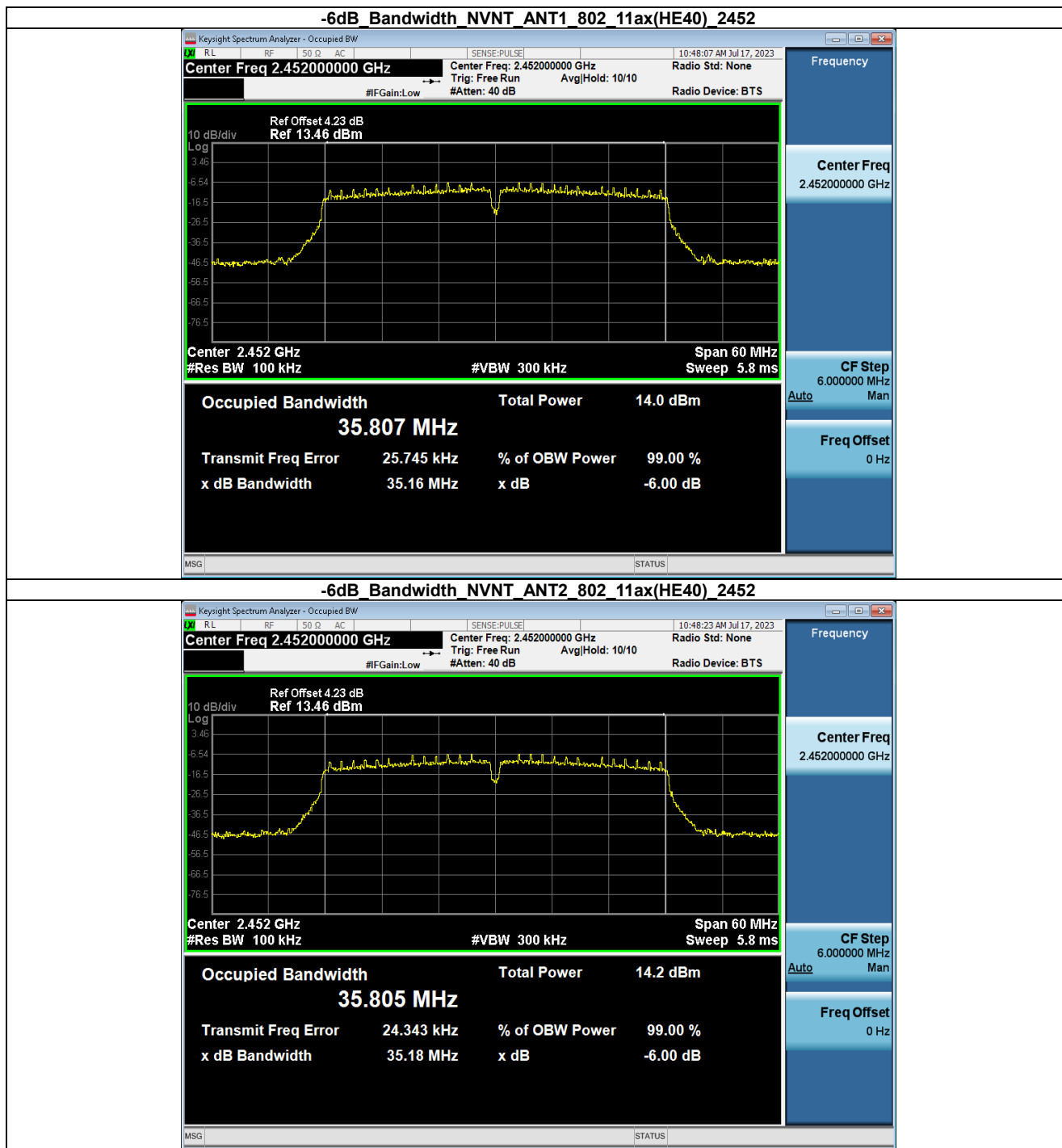






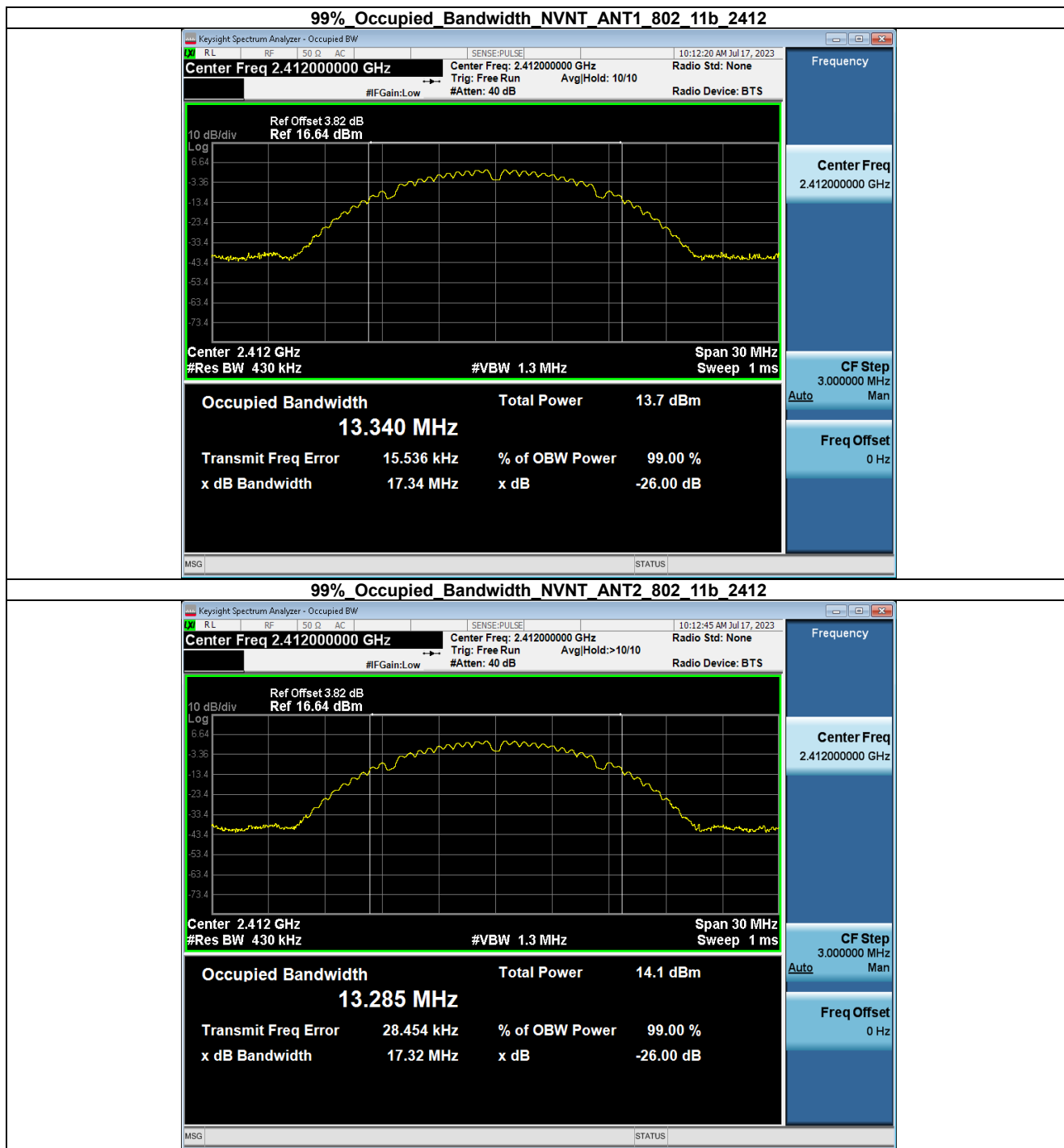


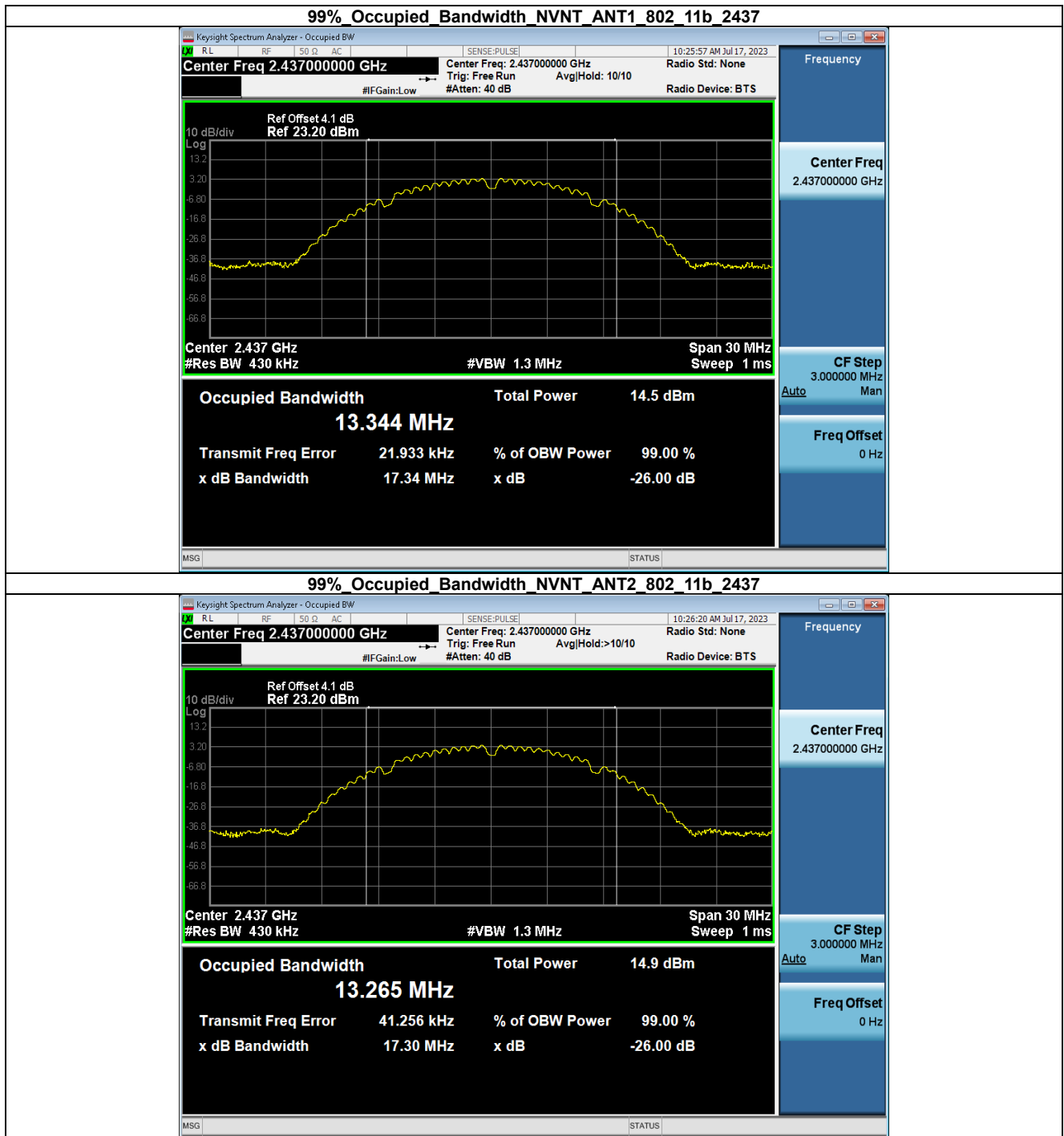


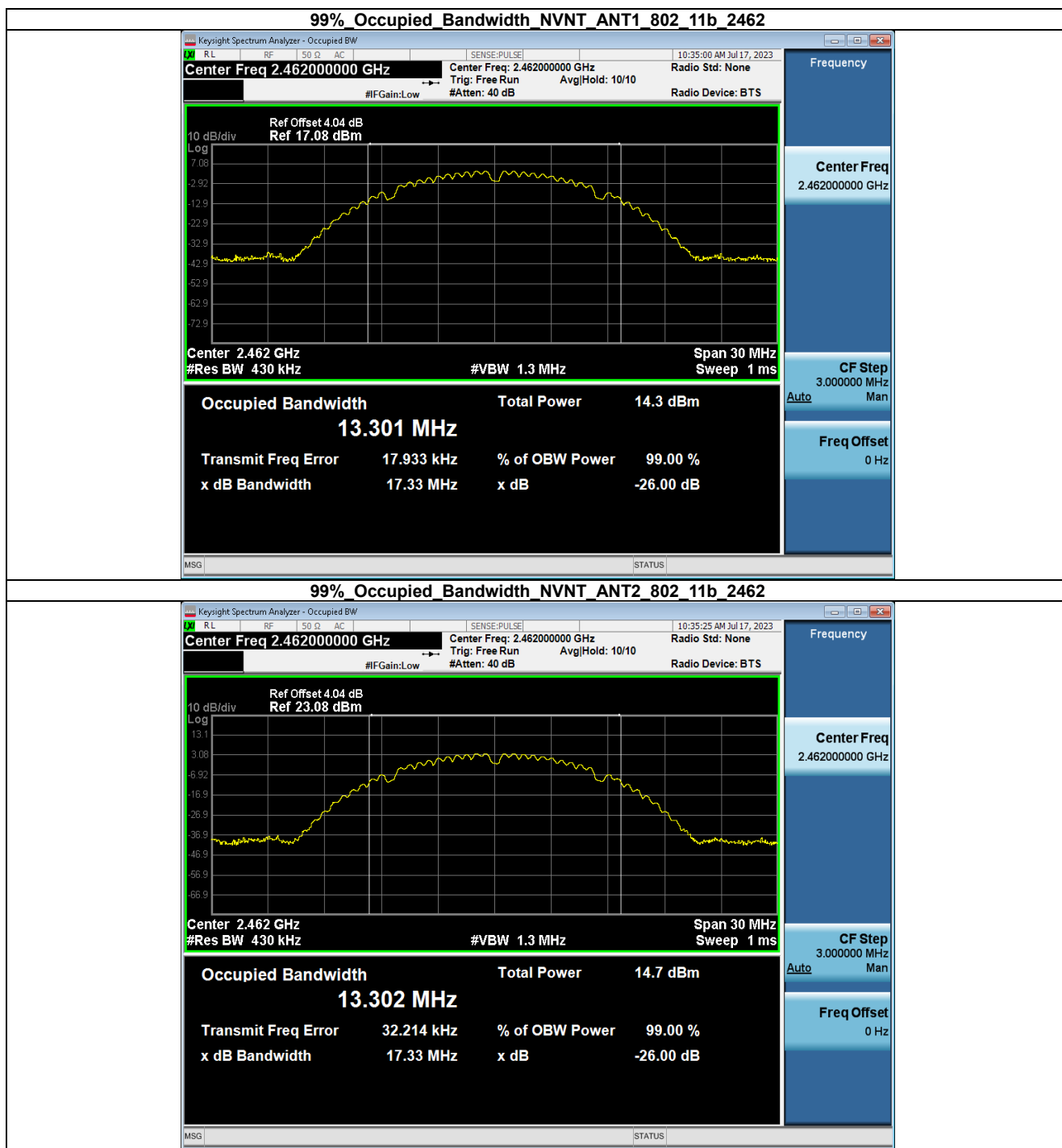


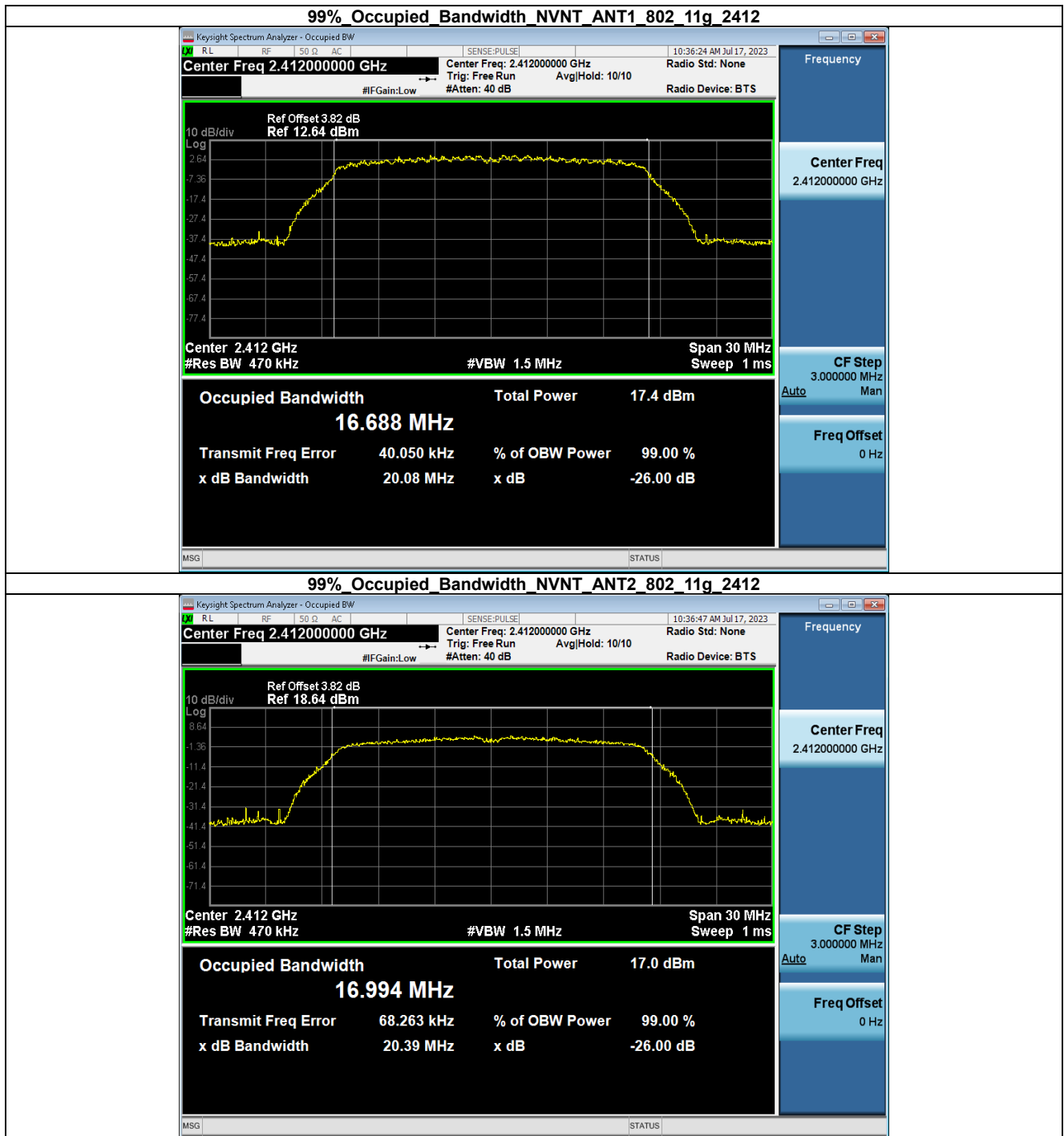
99% Occupied Bandwidth

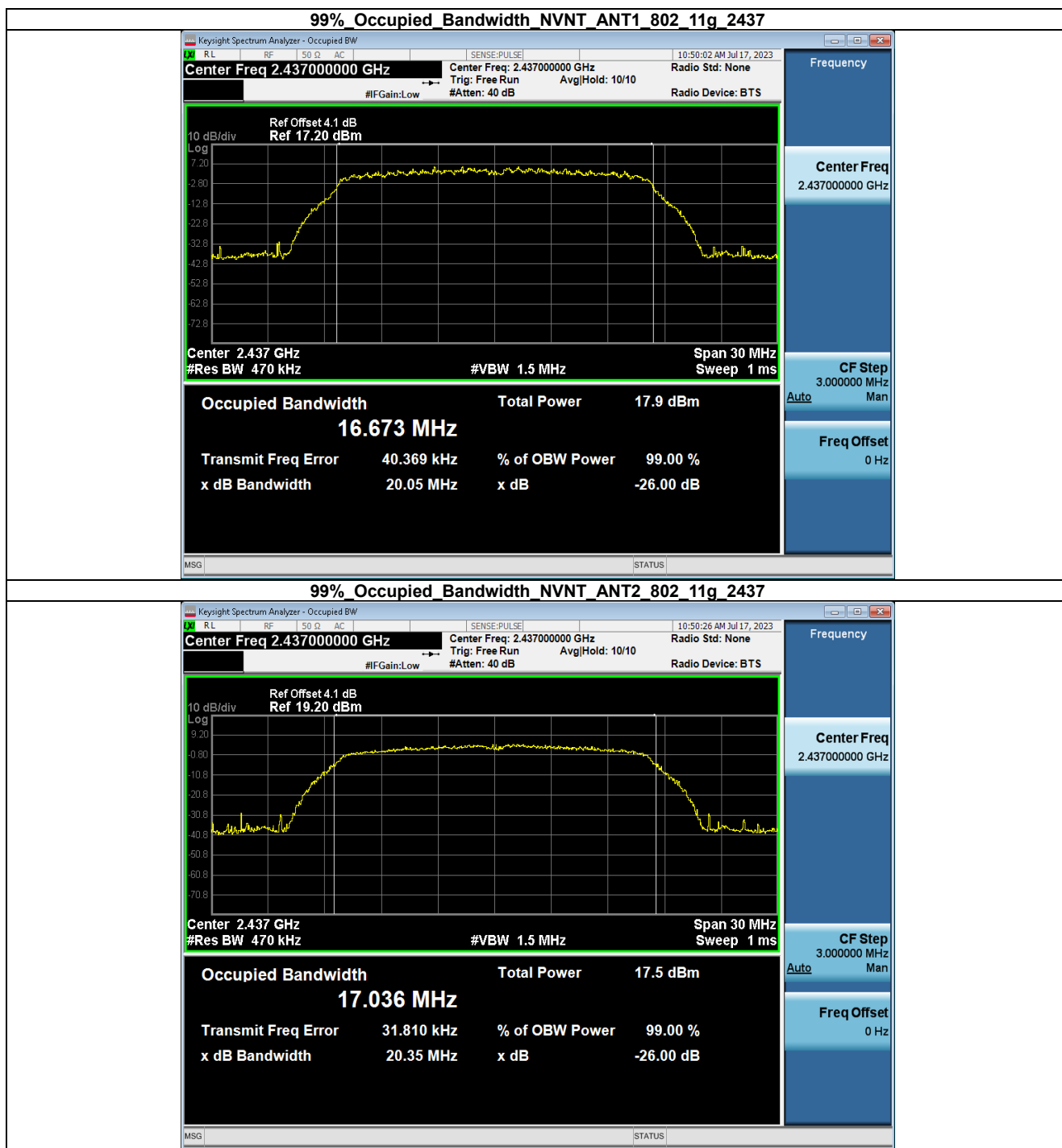
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.340
NVNT	ANT2	802.11b	2412.00	13.285
NVNT	ANT1	802.11b	2437.00	13.344
NVNT	ANT2	802.11b	2437.00	13.265
NVNT	ANT1	802.11b	2462.00	13.301
NVNT	ANT2	802.11b	2462.00	13.302
NVNT	ANT1	802.11g	2412.00	16.688
NVNT	ANT2	802.11g	2412.00	16.994
NVNT	ANT1	802.11g	2437.00	16.673
NVNT	ANT2	802.11g	2437.00	17.036
NVNT	ANT1	802.11g	2462.00	16.676
NVNT	ANT2	802.11g	2462.00	17.032
NVNT	ANT1	802.11n(HT20)	2412.00	17.715
NVNT	ANT2	802.11n(HT20)	2412.00	17.920
NVNT	ANT1	802.11n(HT20)	2437.00	17.704
NVNT	ANT2	802.11n(HT20)	2437.00	17.956
NVNT	ANT1	802.11n(HT20)	2462.00	17.715
NVNT	ANT2	802.11n(HT20)	2462.00	17.964
NVNT	ANT1	802.11ax(HE20)	2412.00	17.722
NVNT	ANT2	802.11ax(HE20)	2412.00	18.014
NVNT	ANT1	802.11ax(HE20)	2437.00	17.690
NVNT	ANT2	802.11ax(HE20)	2437.00	17.936
NVNT	ANT1	802.11ax(HE20)	2462.00	17.719
NVNT	ANT2	802.11ax(HE20)	2462.00	17.913
NVNT	ANT1	802.11n(HT40)	2422.00	36.288
NVNT	ANT2	802.11n(HT40)	2422.00	36.376
NVNT	ANT1	802.11n(HT40)	2437.00	36.077
NVNT	ANT2	802.11n(HT40)	2437.00	36.211
NVNT	ANT1	802.11n(HT40)	2452.00	36.258
NVNT	ANT2	802.11n(HT40)	2452.00	36.409
NVNT	ANT1	802.11ax(HE40)	2422.00	36.291
NVNT	ANT2	802.11ax(HE40)	2422.00	36.364
NVNT	ANT1	802.11ax(HE40)	2437.00	36.136
NVNT	ANT2	802.11ax(HE40)	2437.00	36.247
NVNT	ANT1	802.11ax(HE40)	2452.00	36.274
NVNT	ANT2	802.11ax(HE40)	2452.00	36.403

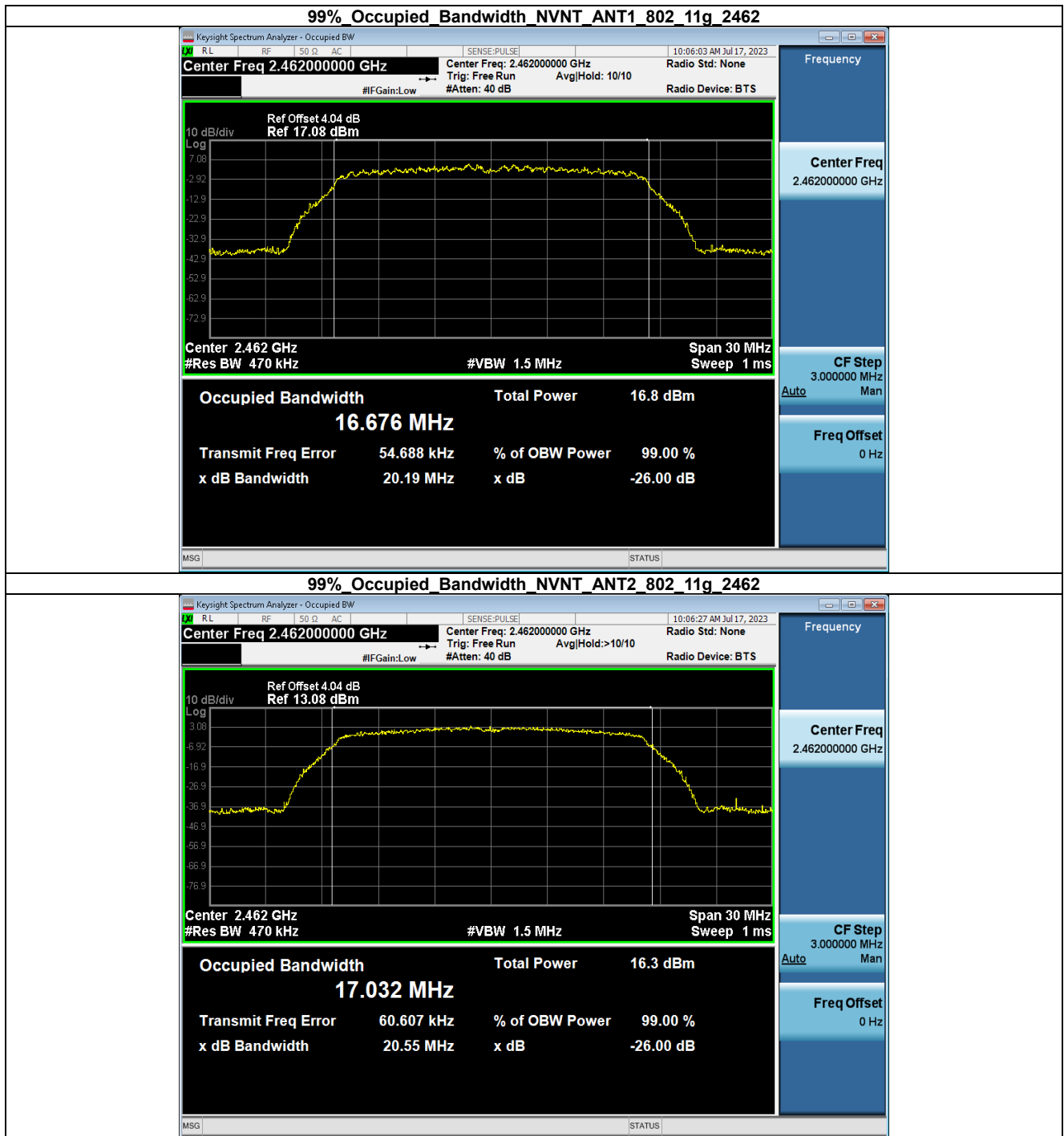


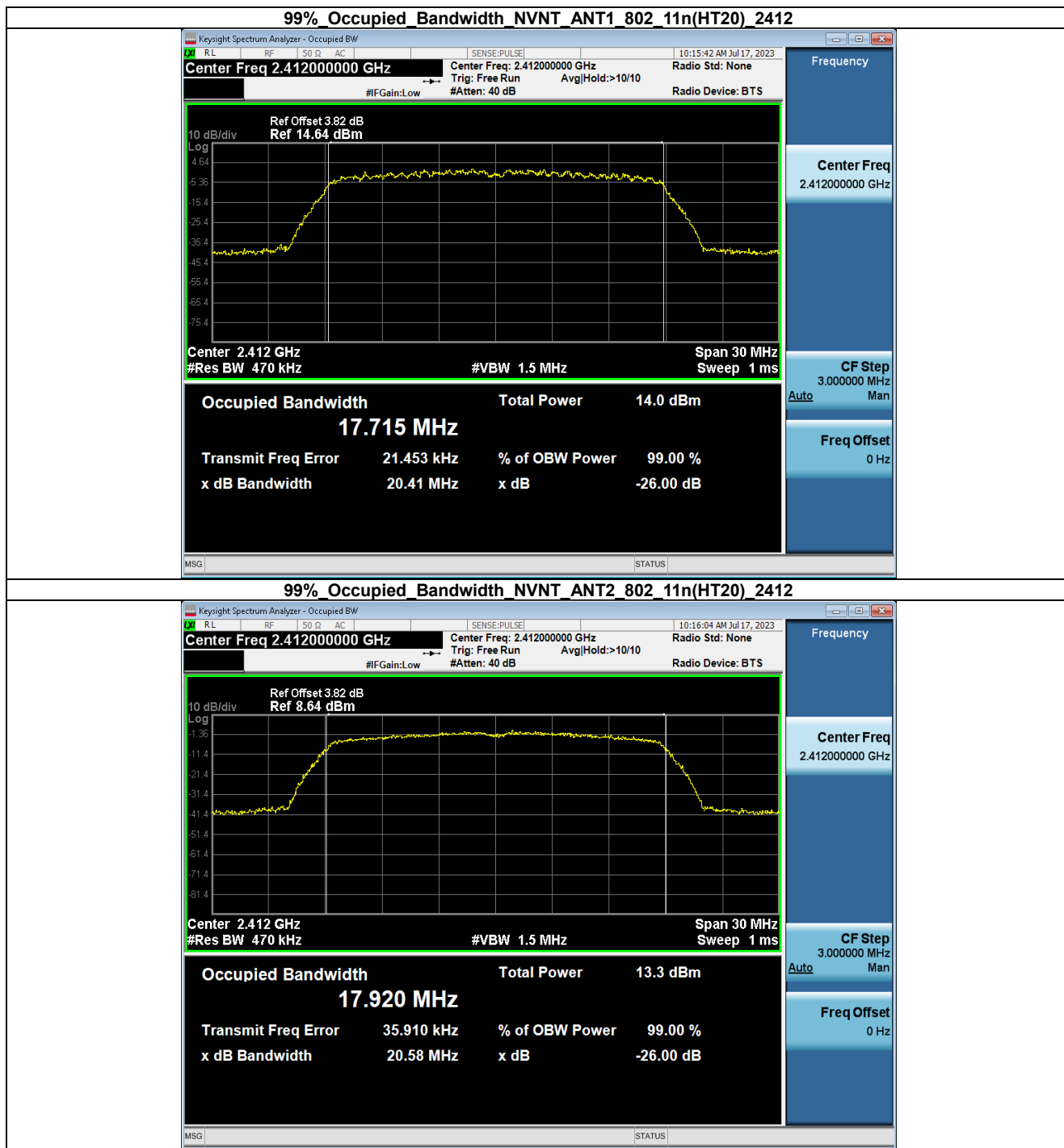


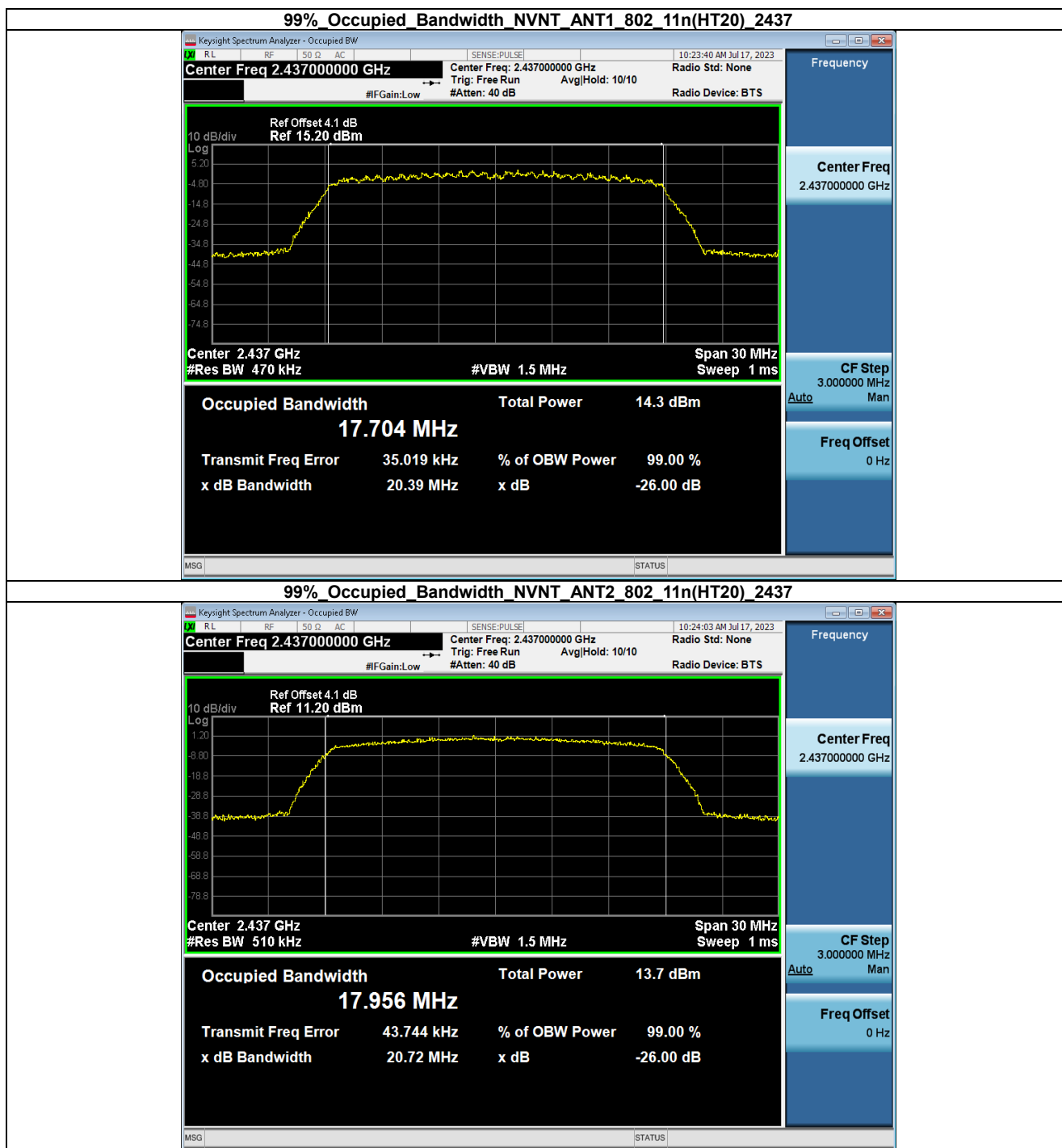


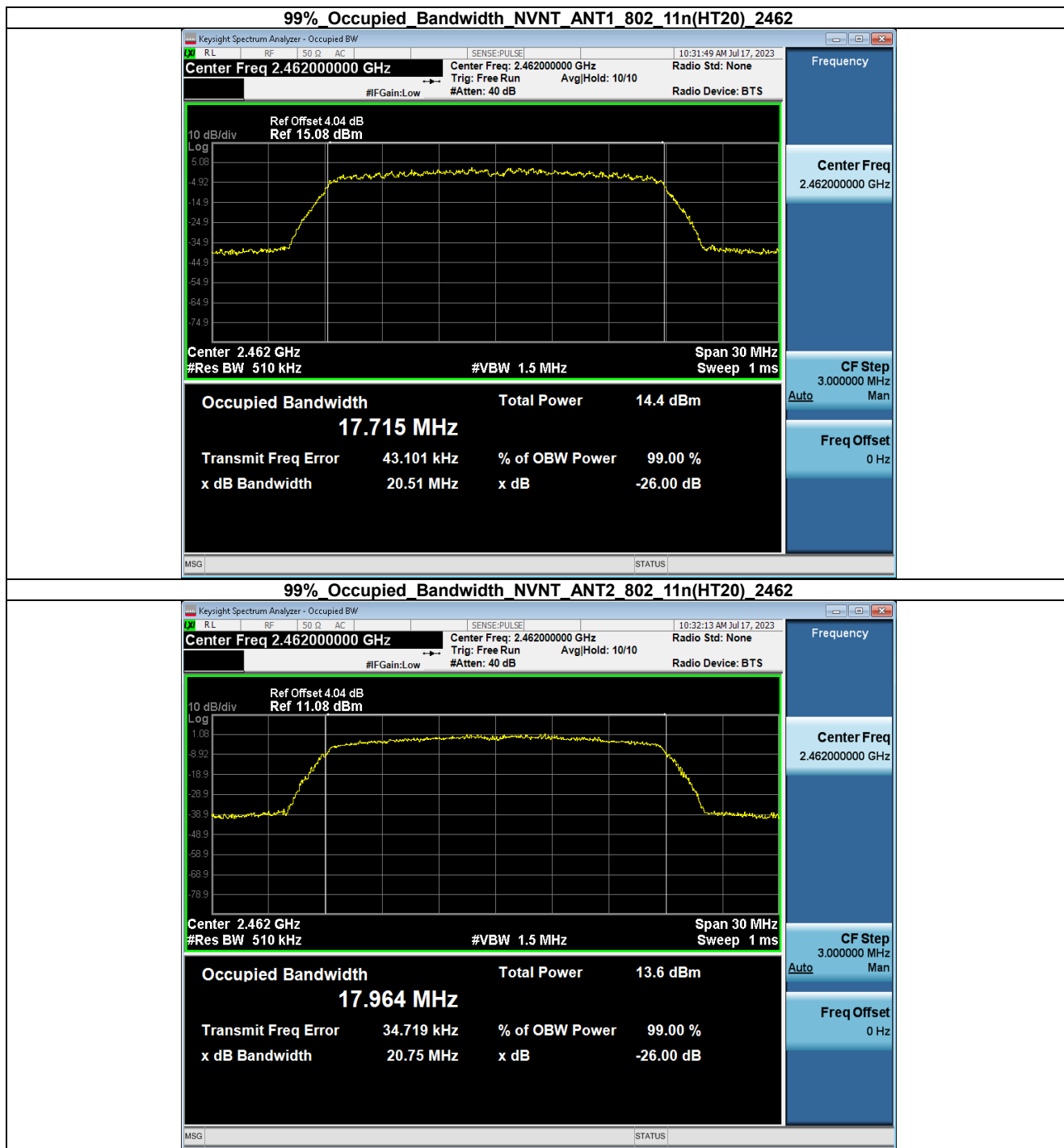


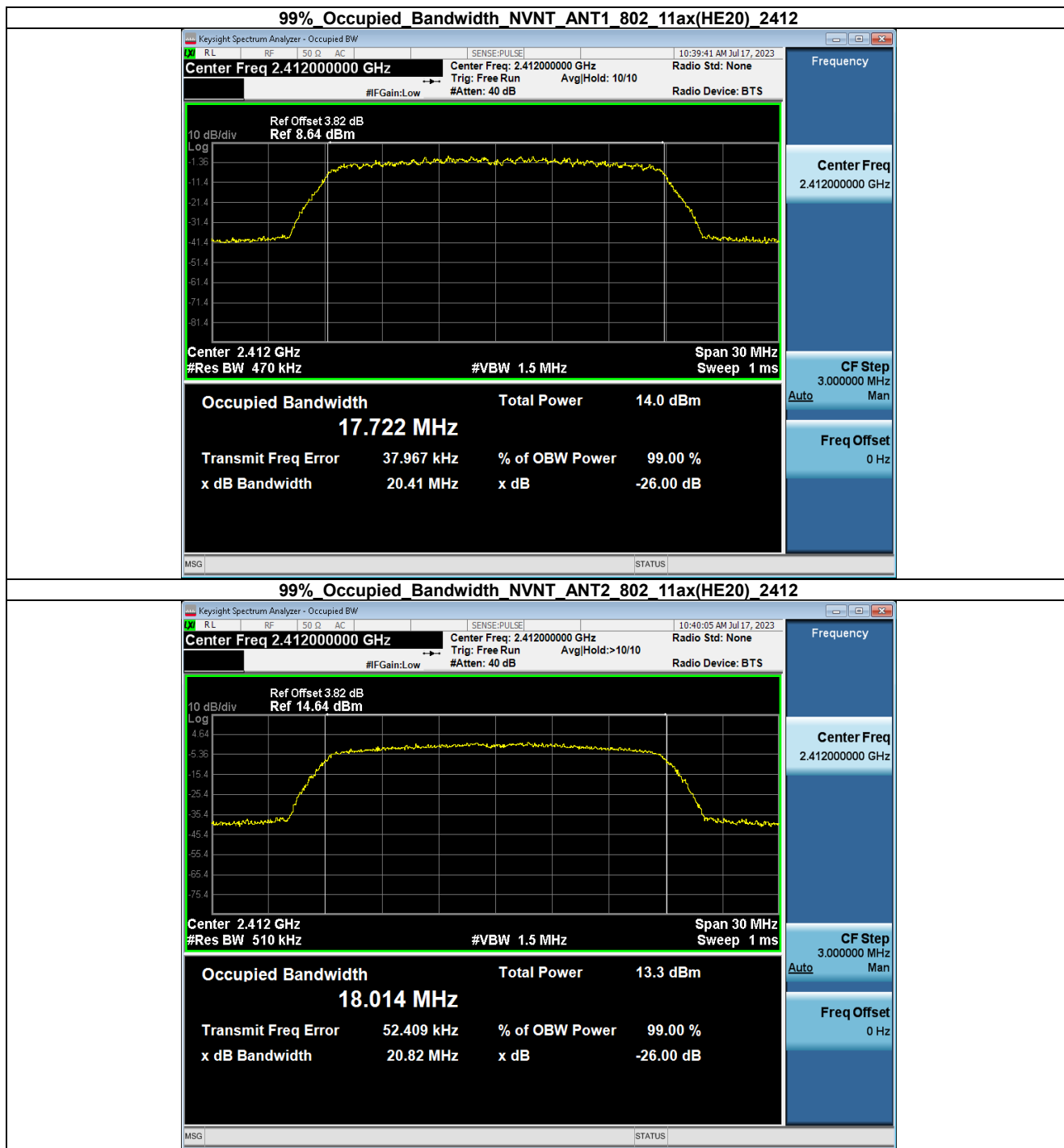


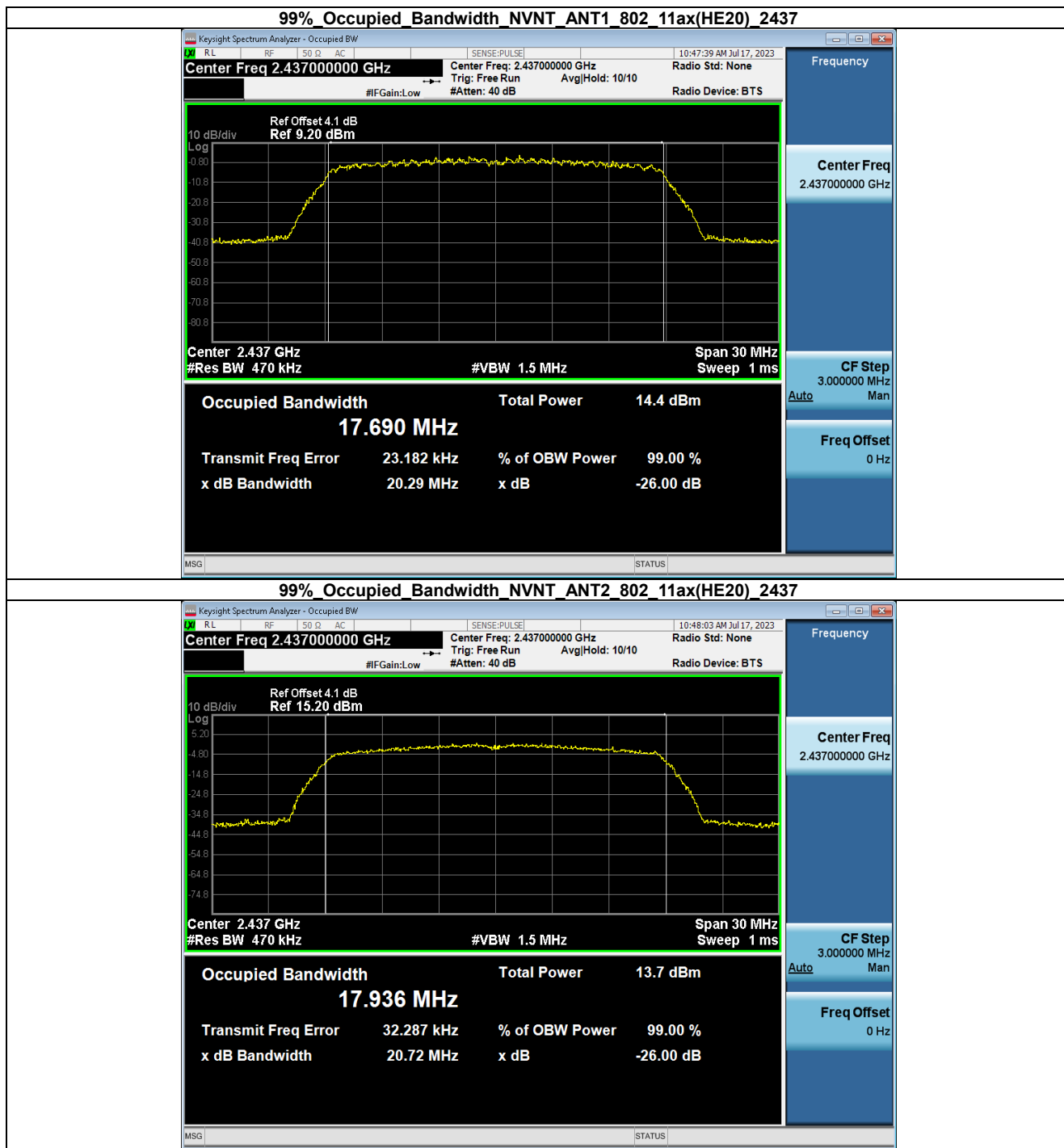


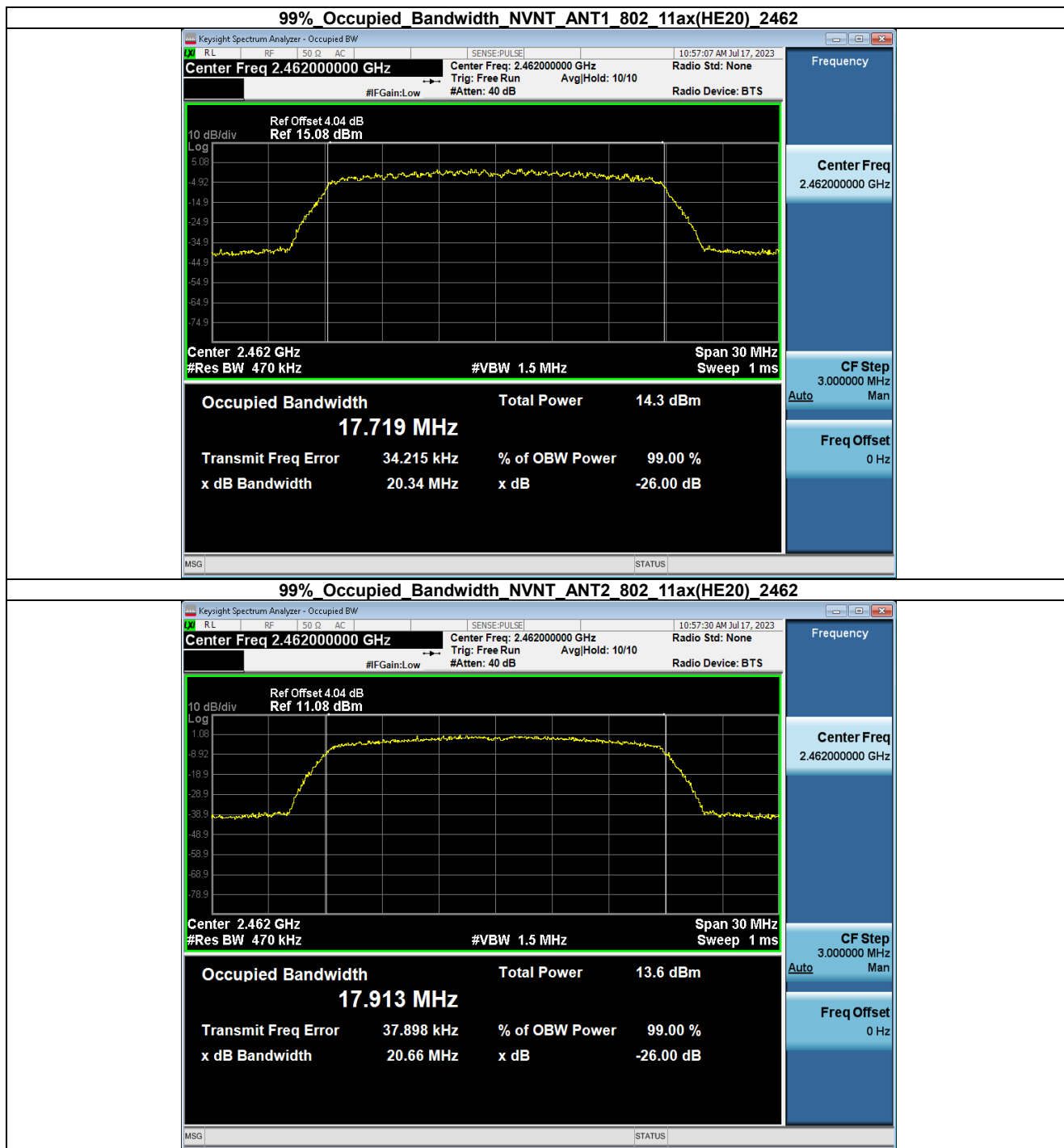


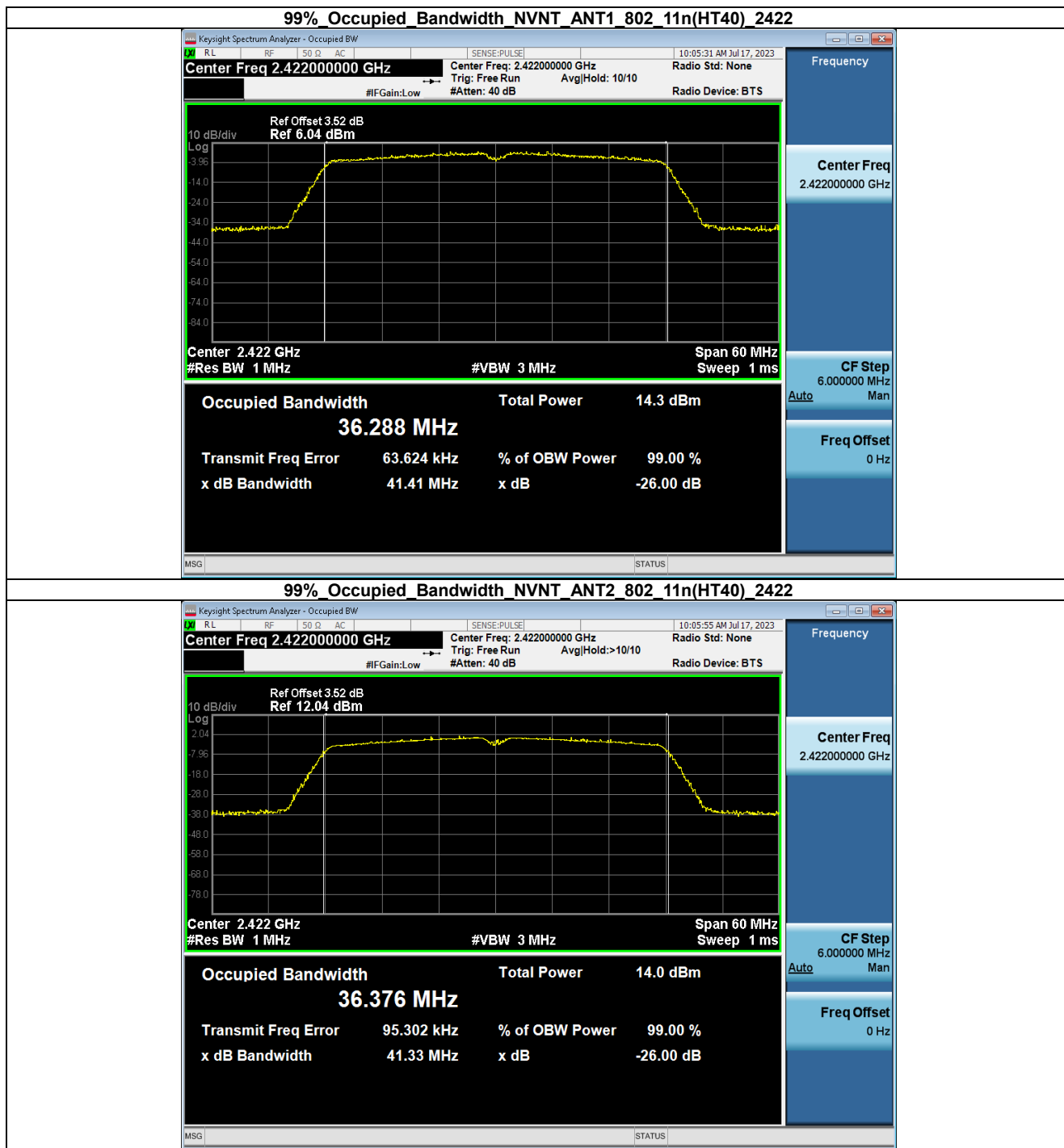


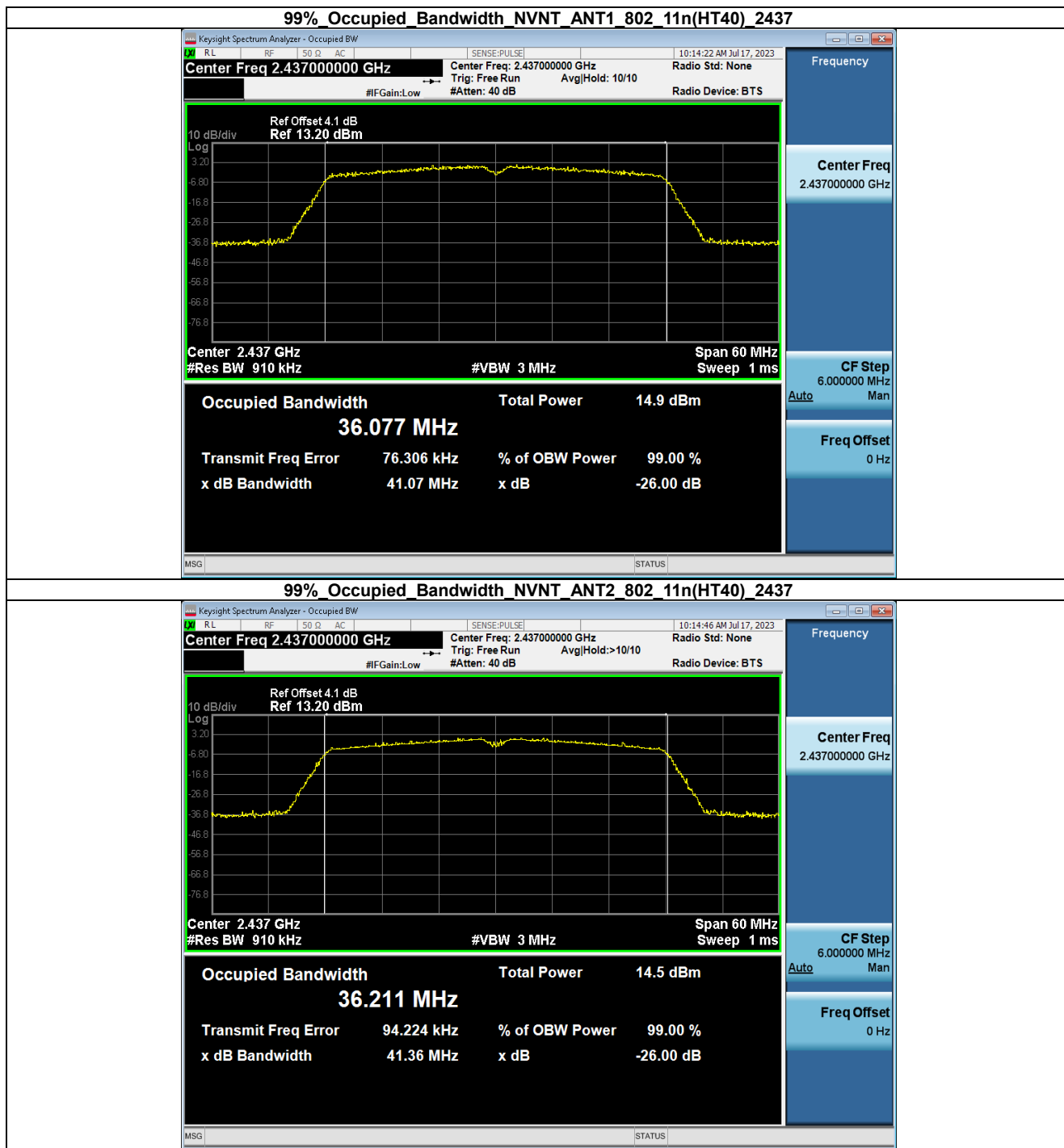


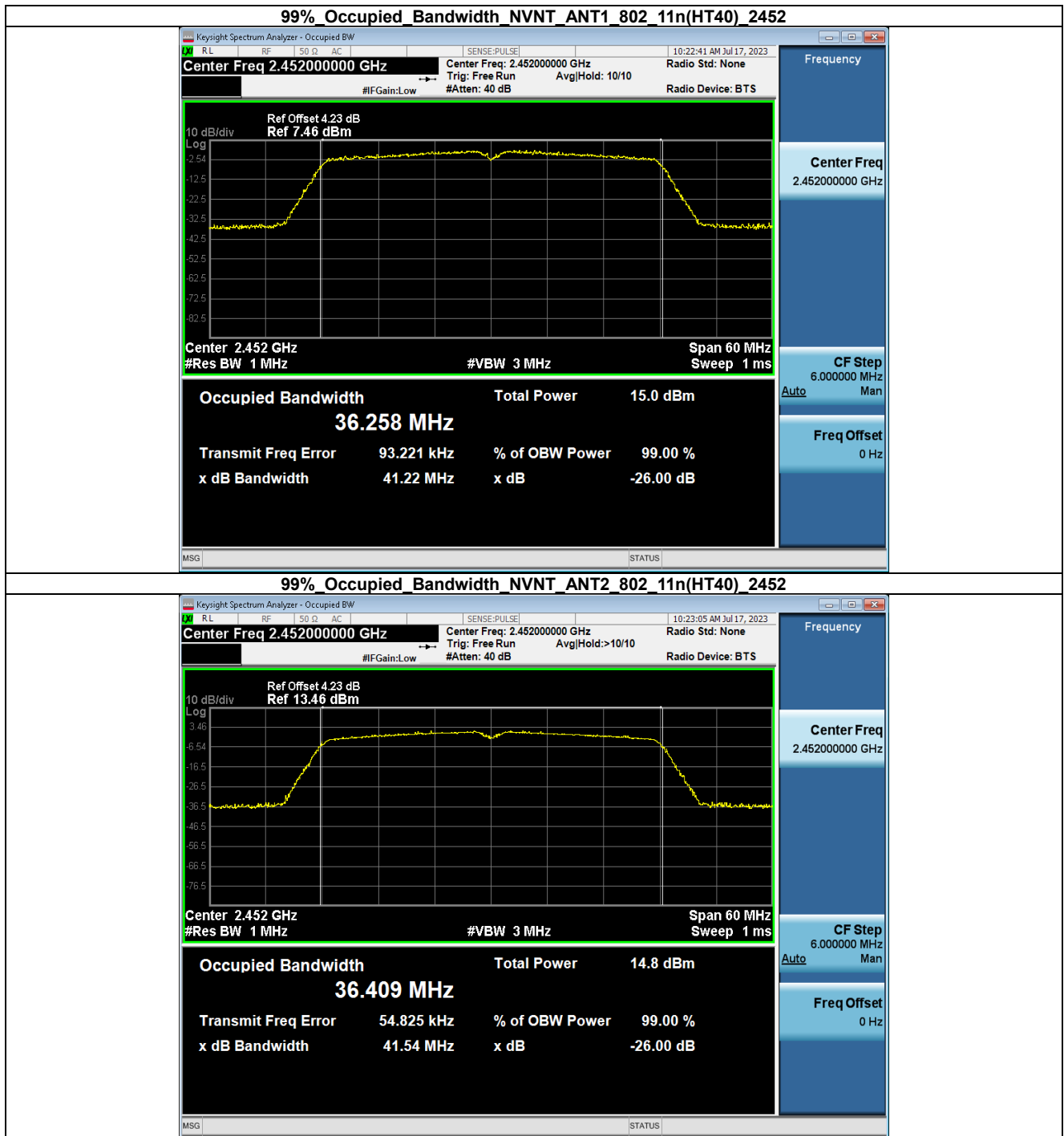


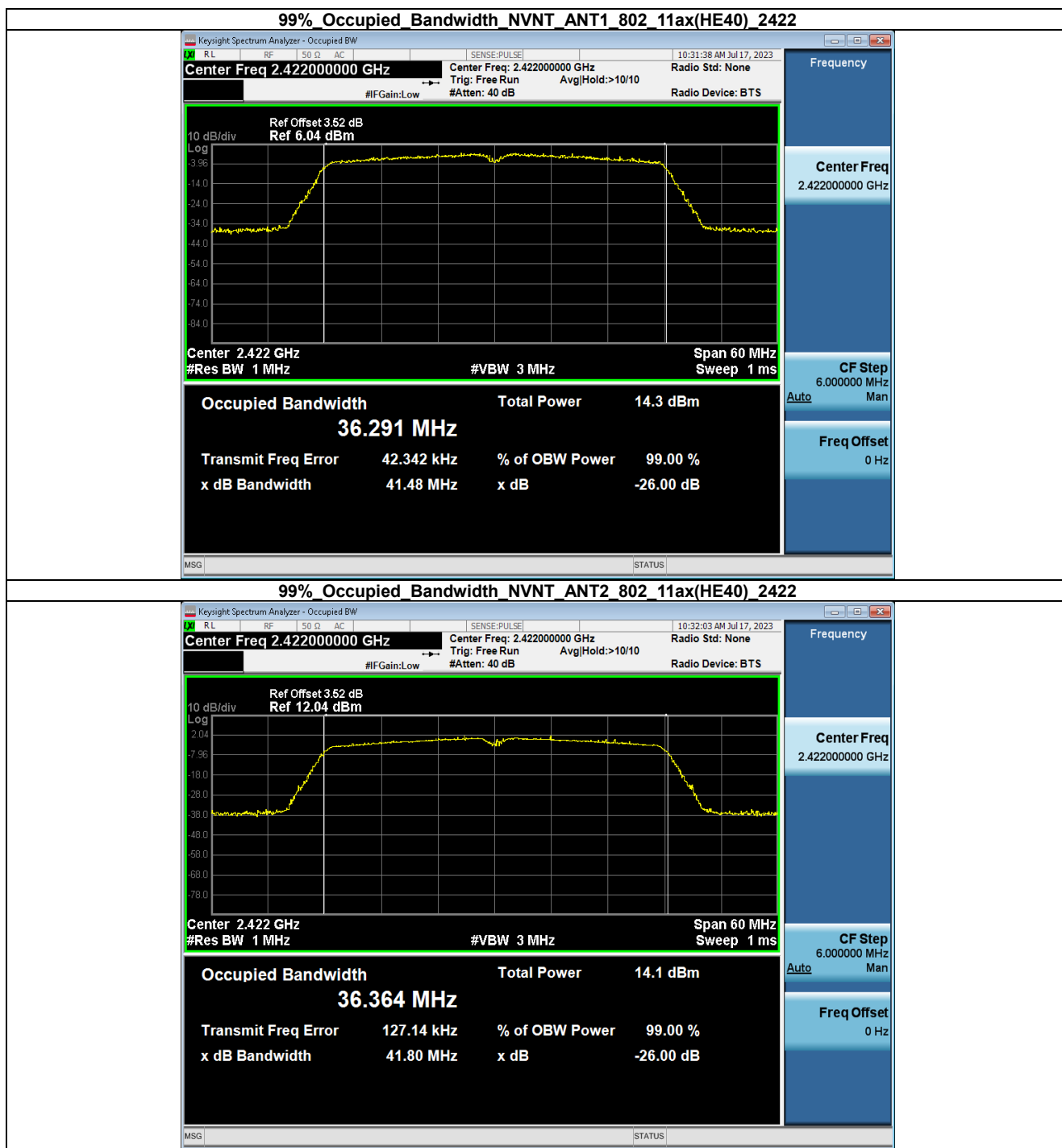


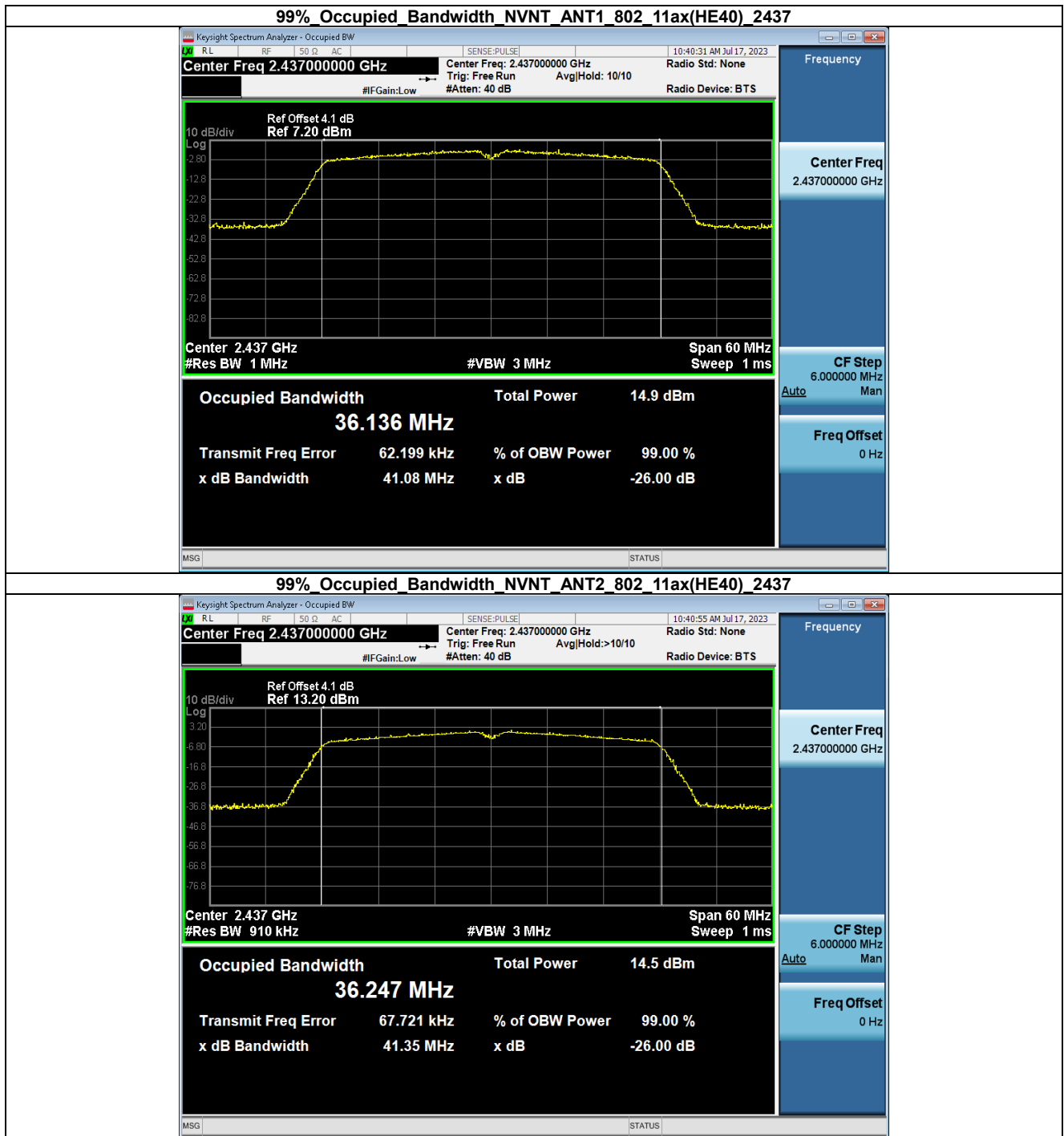


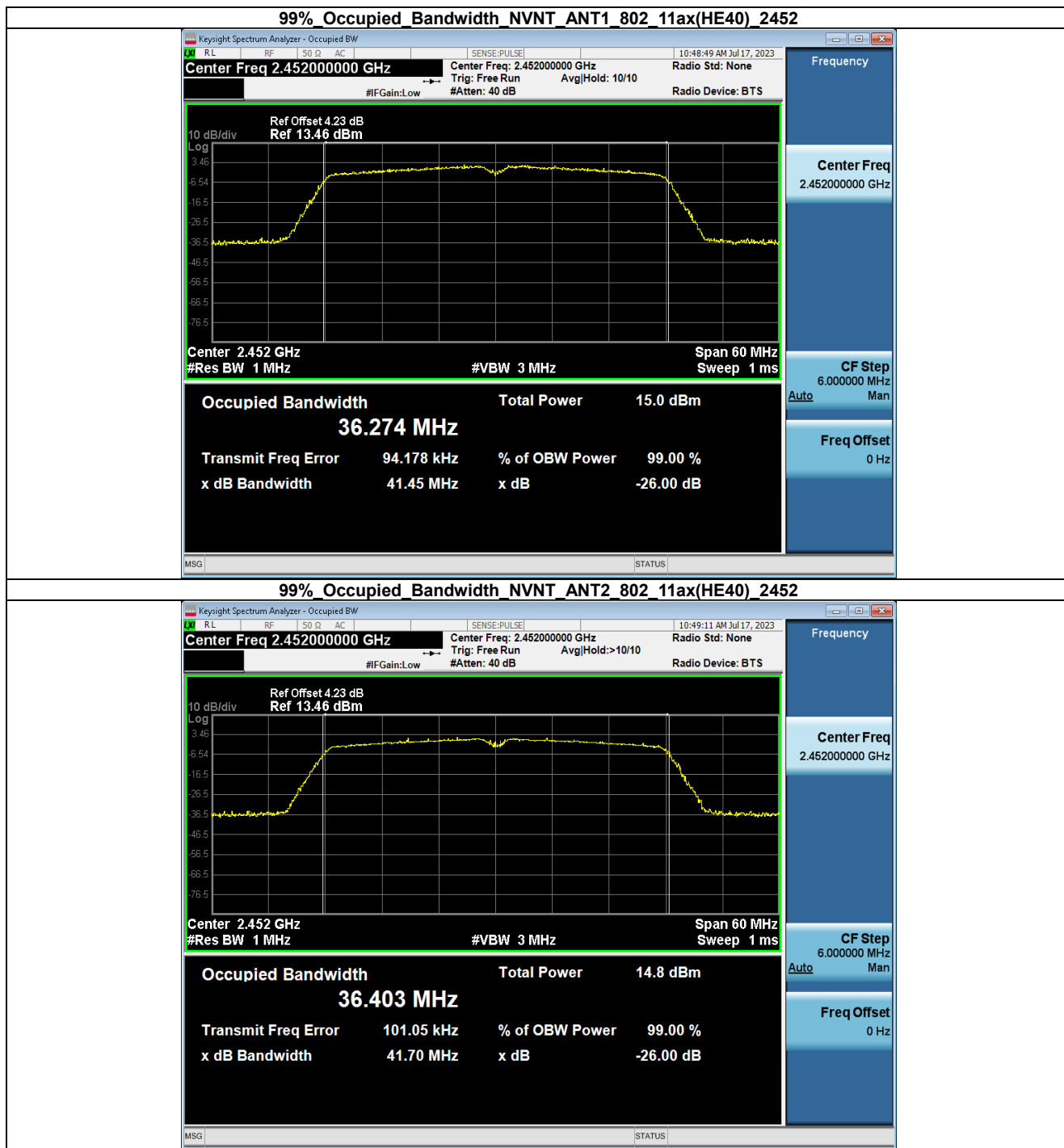






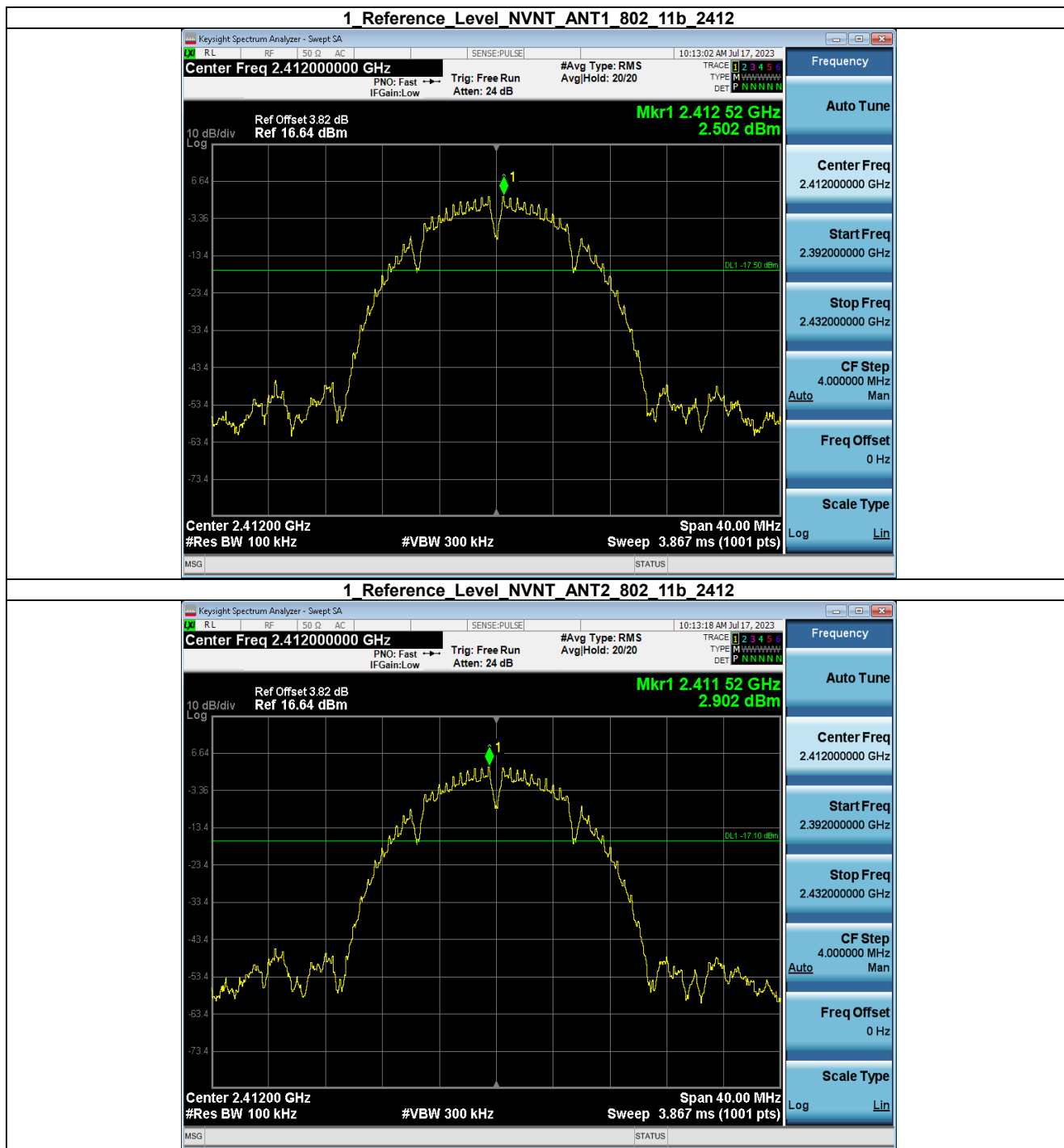




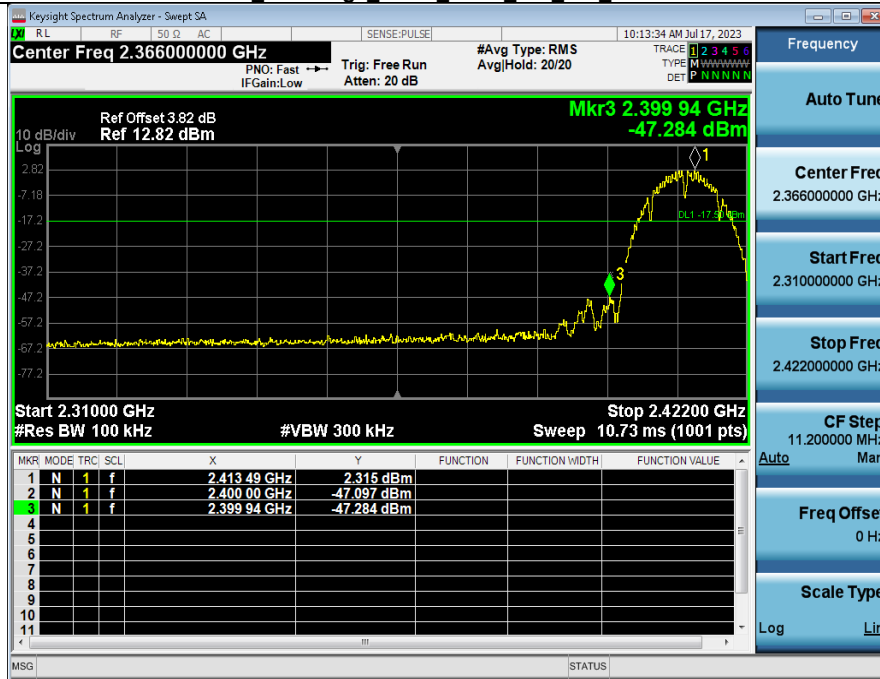


Bandedge

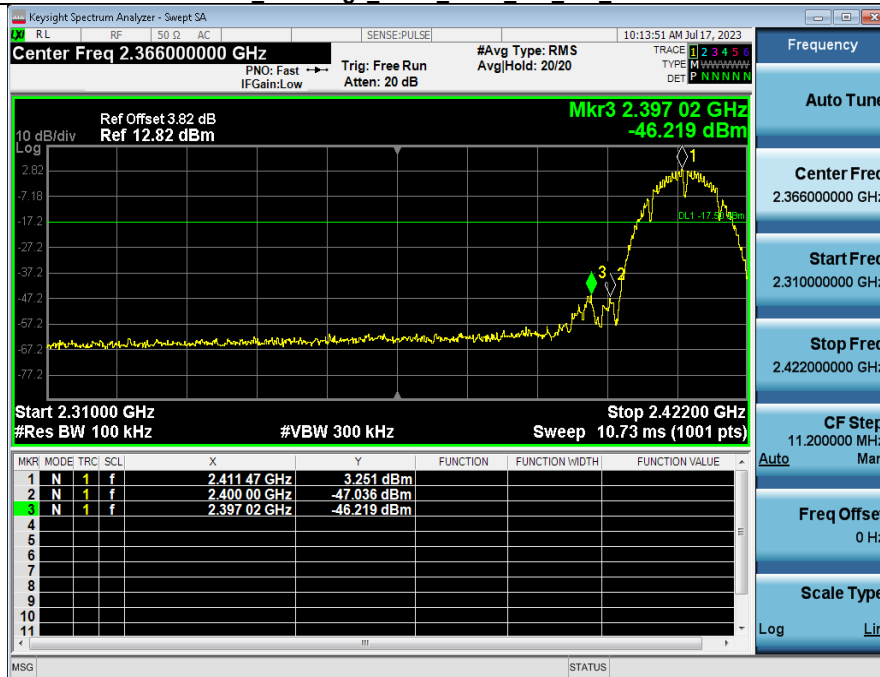
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-47.284	-17.498	Pass
NVNT	ANT2	802.11b	2412.00	2397.024	-46.219	-17.498	Pass
NVNT	ANT1	802.11b	2462.00	2492.032	-59.716	-17.212	Pass
NVNT	ANT2	802.11b	2462.00	2484.016	-59.341	-17.212	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-46.998	-21.537	Pass
NVNT	ANT2	802.11g	2412.00	2399.936	-45.723	-21.537	Pass
NVNT	ANT1	802.11g	2462.00	2483.920	-56.852	-21.811	Pass
NVNT	ANT2	802.11g	2462.00	2483.632	-56.797	-21.811	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-50.470	-24.366	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	2399.712	-49.594	-24.366	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2486.992	-59.681	-23.936	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	2490.736	-58.432	-23.936	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.712	-49.482	-25.042	Pass
NVNT	ANT2	802.11ax(HE20)	2412.00	2399.824	-48.973	-25.042	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2492.032	-59.019	-23.931	Pass
NVNT	ANT2	802.11ax(HE20)	2462.00	2484.832	-58.919	-23.931	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-47.797	-27.150	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	2399.496	-49.246	-27.150	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2486.196	-57.070	-26.552	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2484.496	-55.319	-26.552	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.496	-48.309	-27.315	Pass
NVNT	ANT2	802.11ax(HE40)	2422.00	2399.496	-49.218	-27.315	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2483.884	-56.959	-26.551	Pass
NVNT	ANT2	802.11ax(HE40)	2452.00	2484.496	-55.994	-26.551	Pass

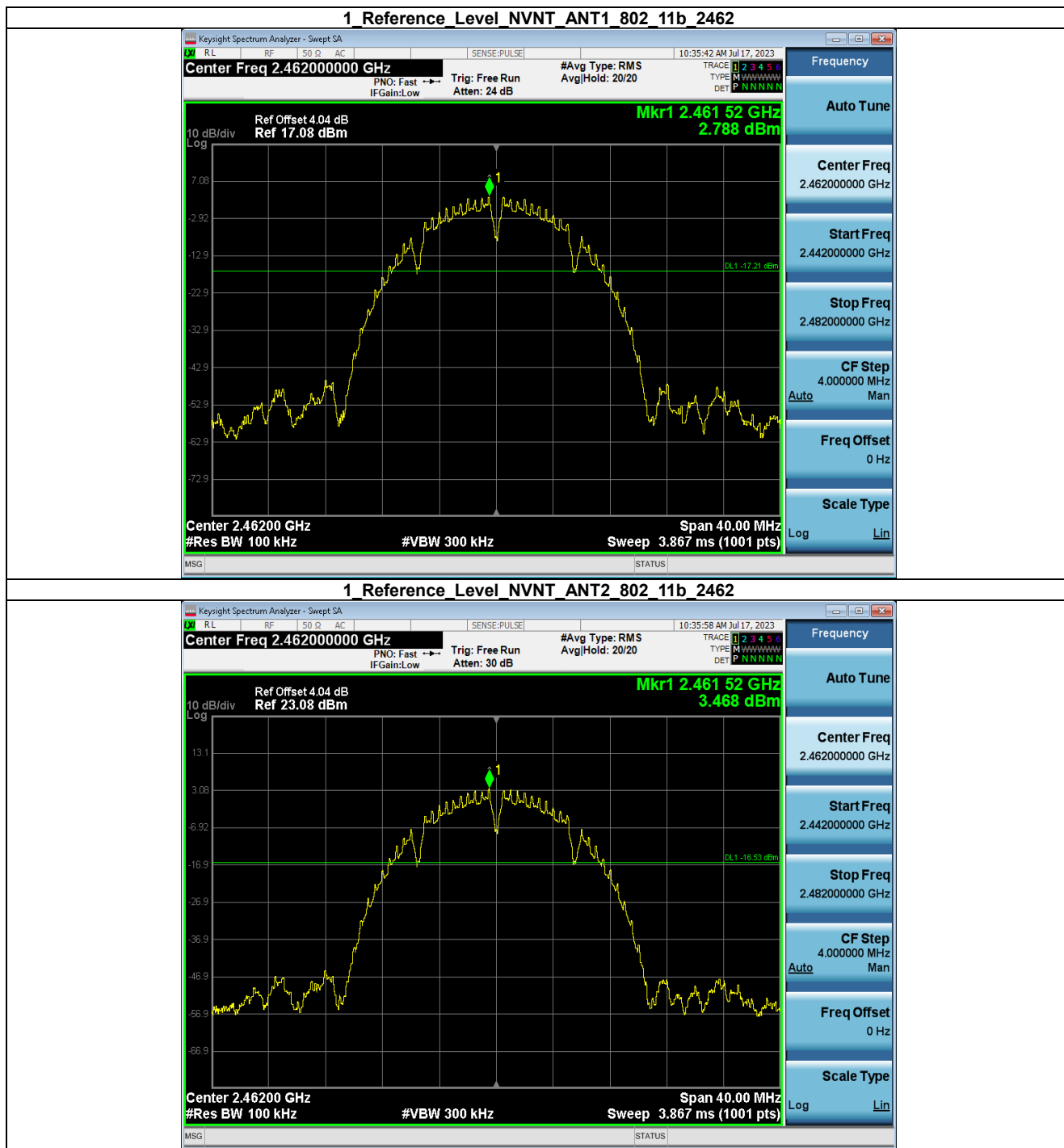


2_Bandedge_NVNT_ANT1_802_11b_2412



2_Bandedge_NVNT_ANT2_802_11b_2412





2_Bandedge_NVNT_ANT1_802_11b_2462

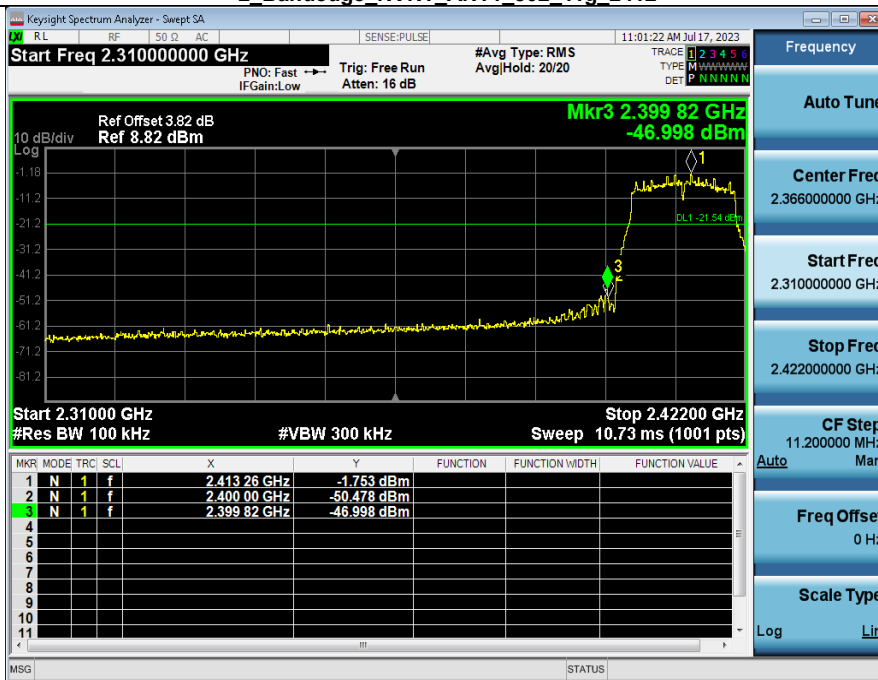


2_Bandedge_NVNT_ANT2_802_11b_2462

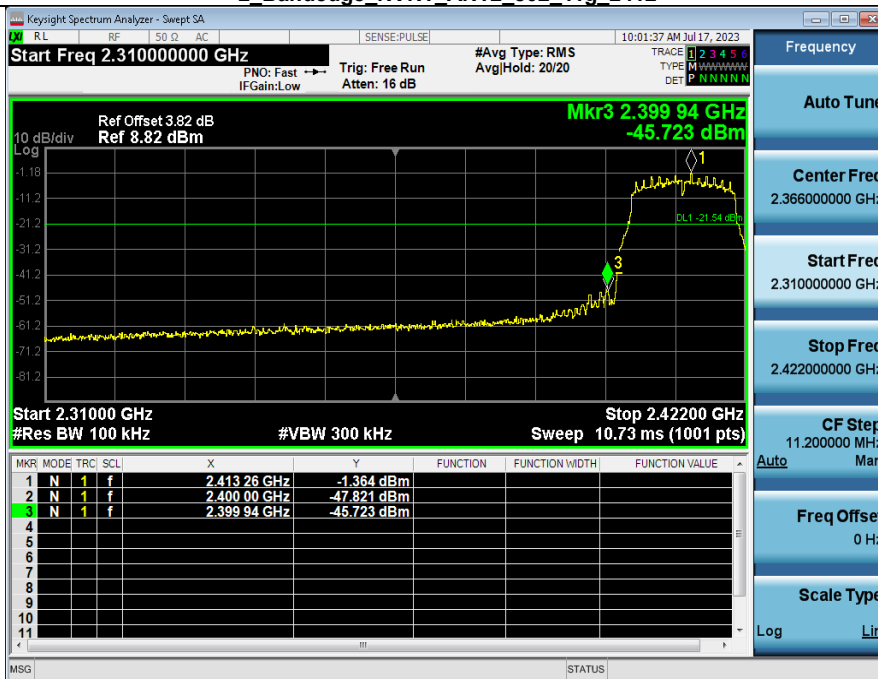




2_Bandedge_NVNT_ANT1_802_11g_2412

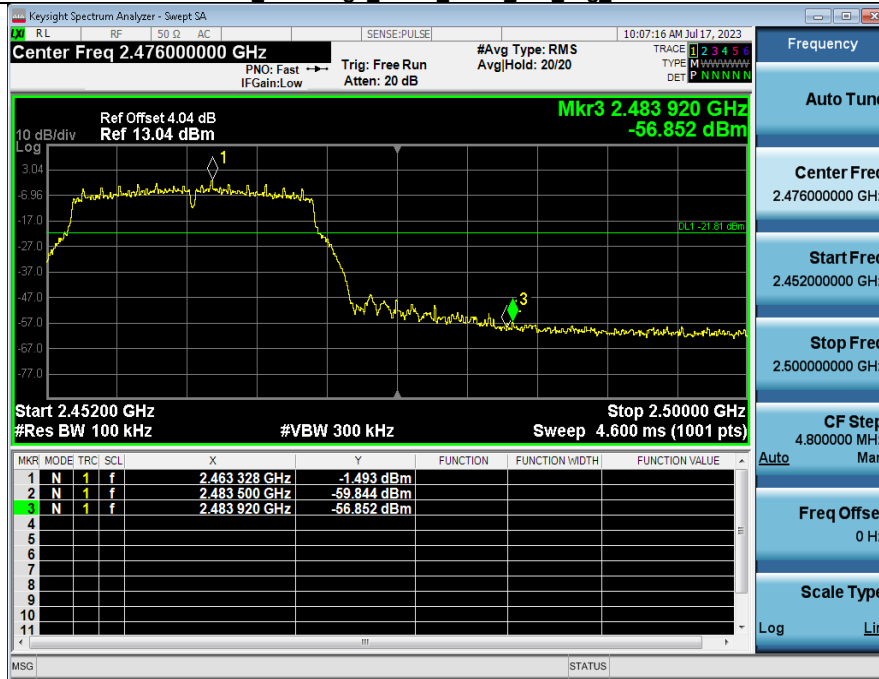


2_Bandedge_NVNT_ANT2_802_11g_2412

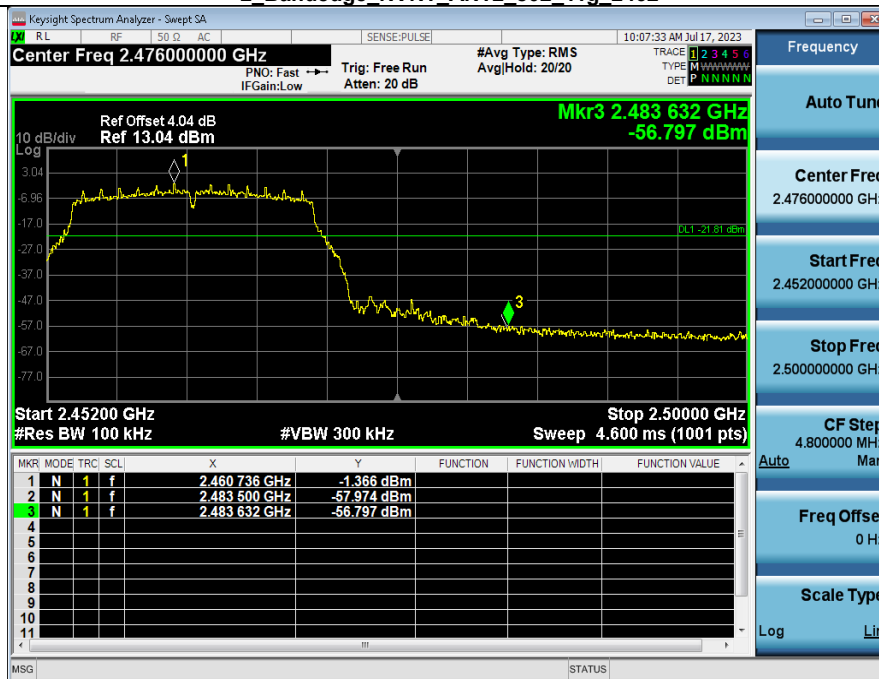




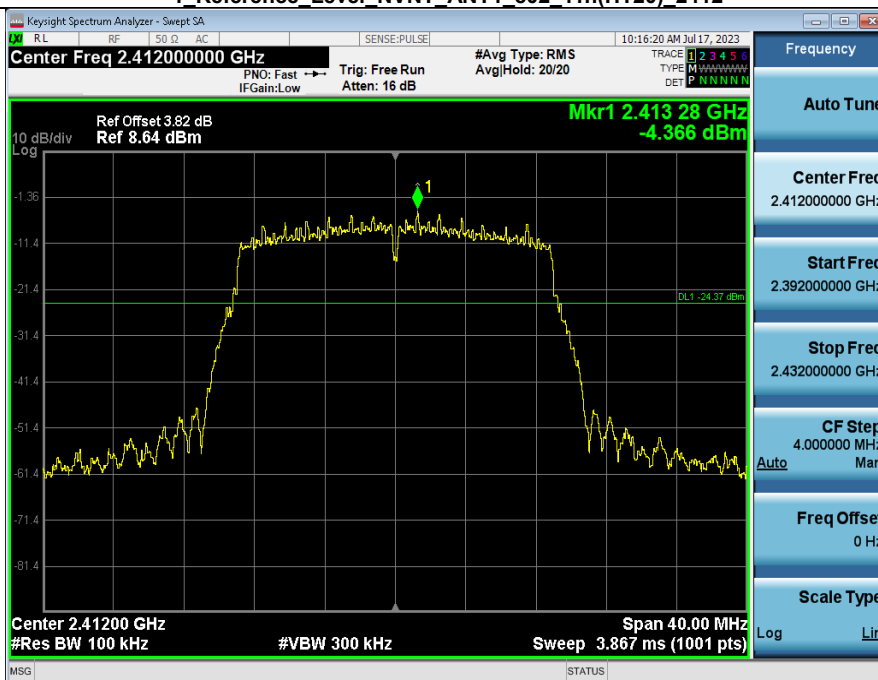
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2_Bandedge_NVNT_ANT2_802_11g_2462



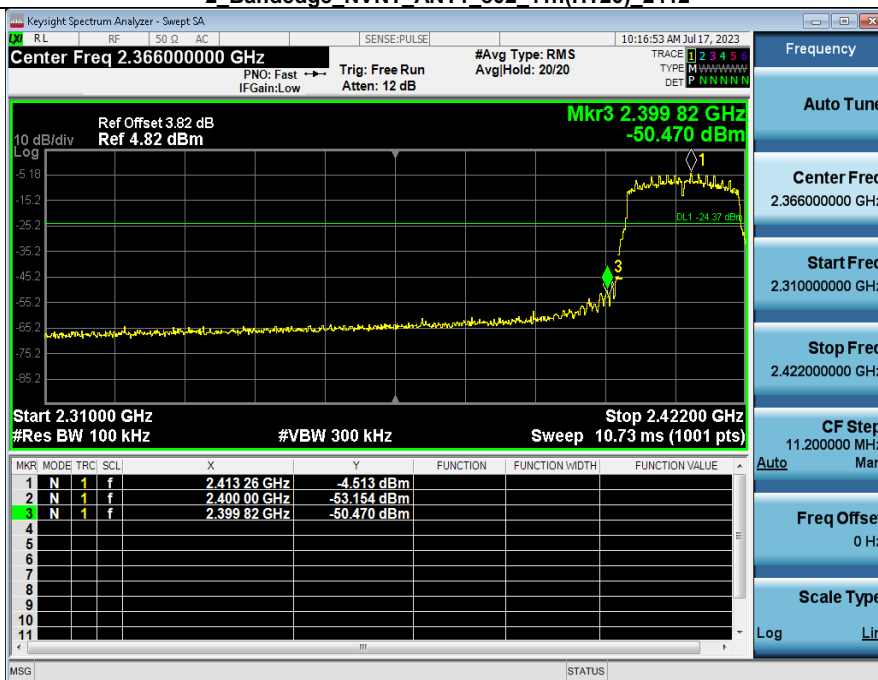
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



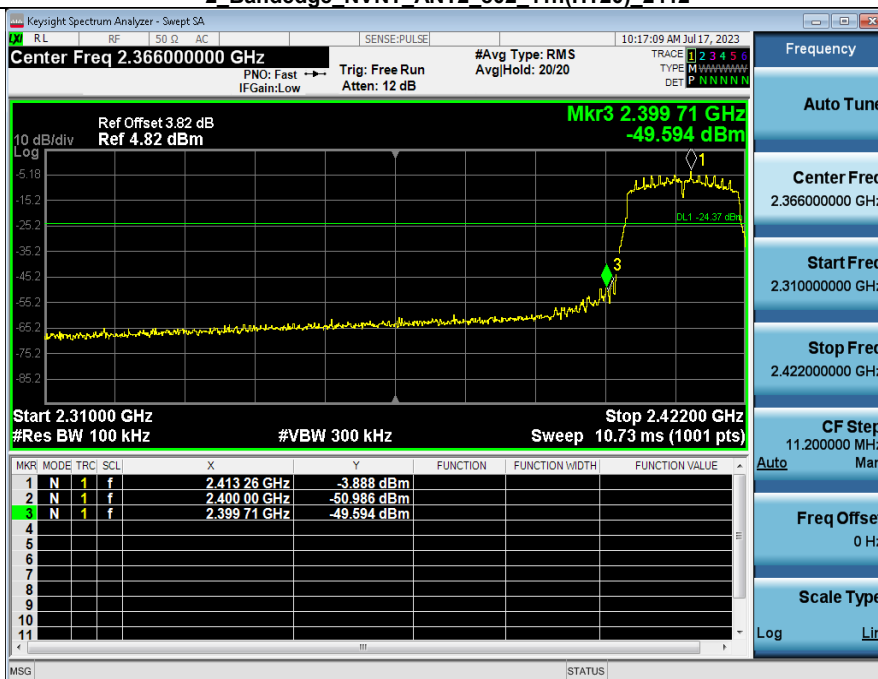
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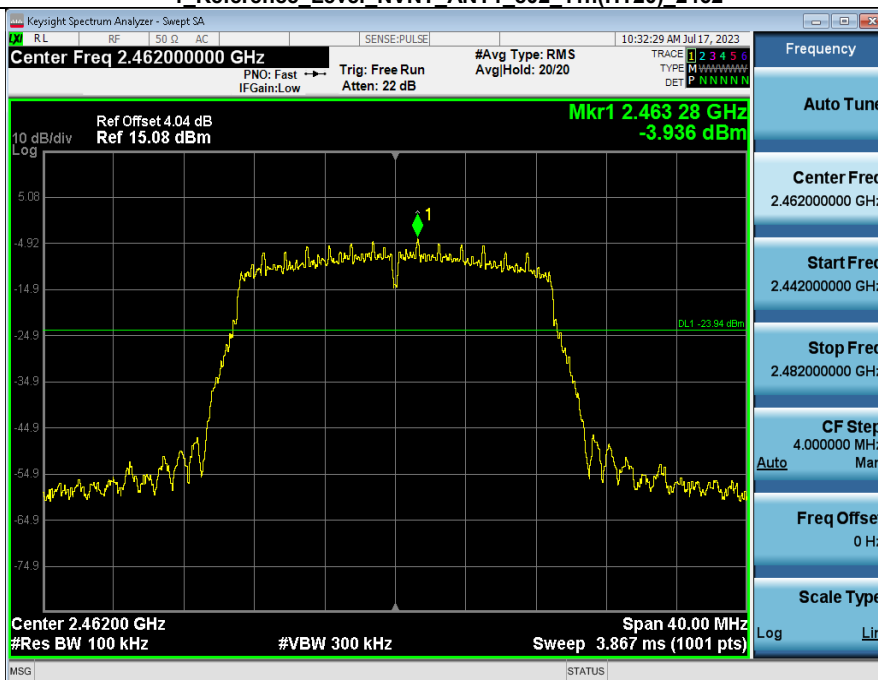
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



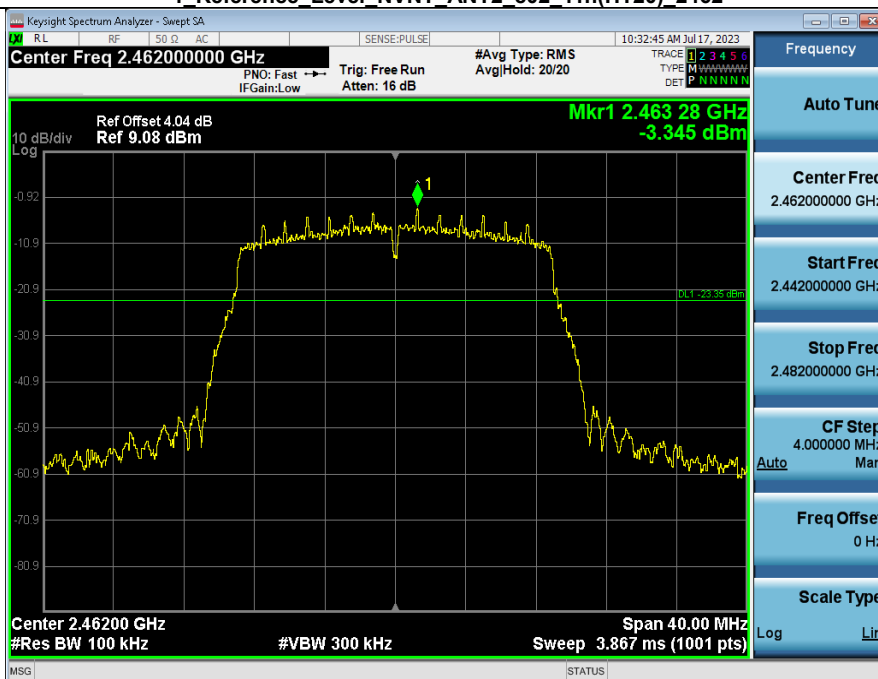
2 Bandedge_NVNT_ANT2_802_11n(HT20)_2412



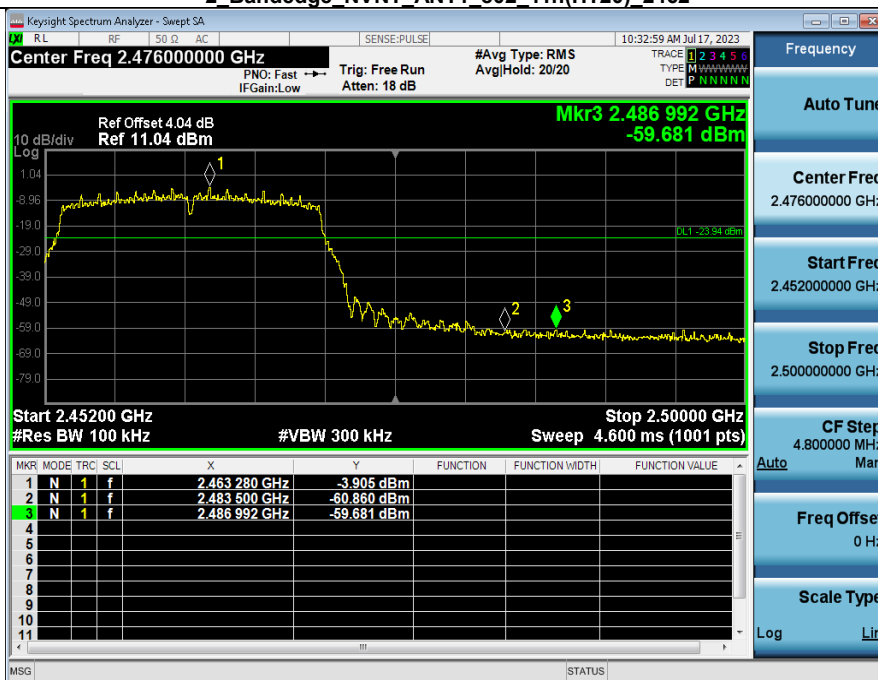
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



1 Reference Level NVNT_ANT2_802_11n(HT20)_2462



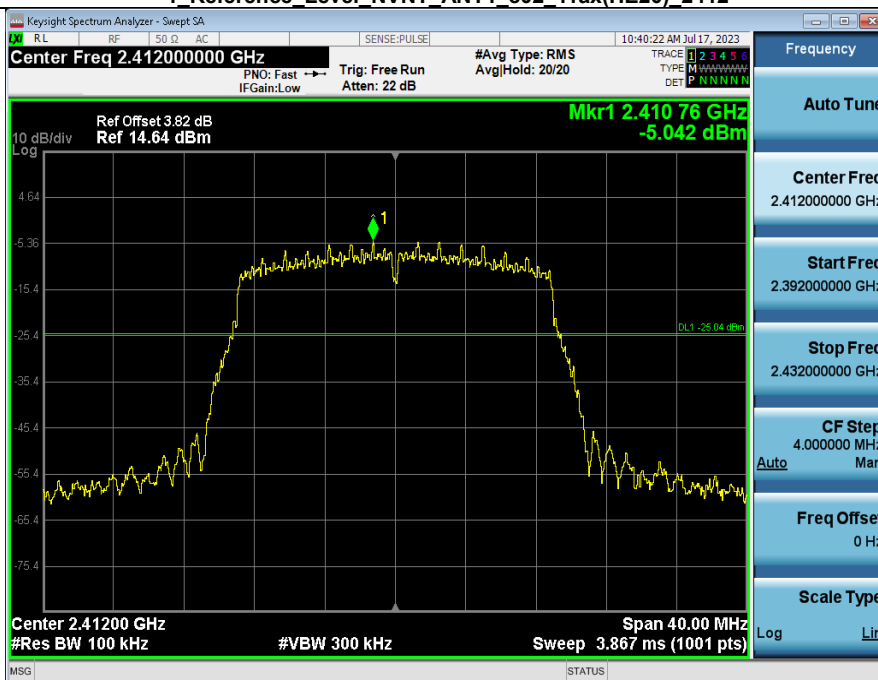
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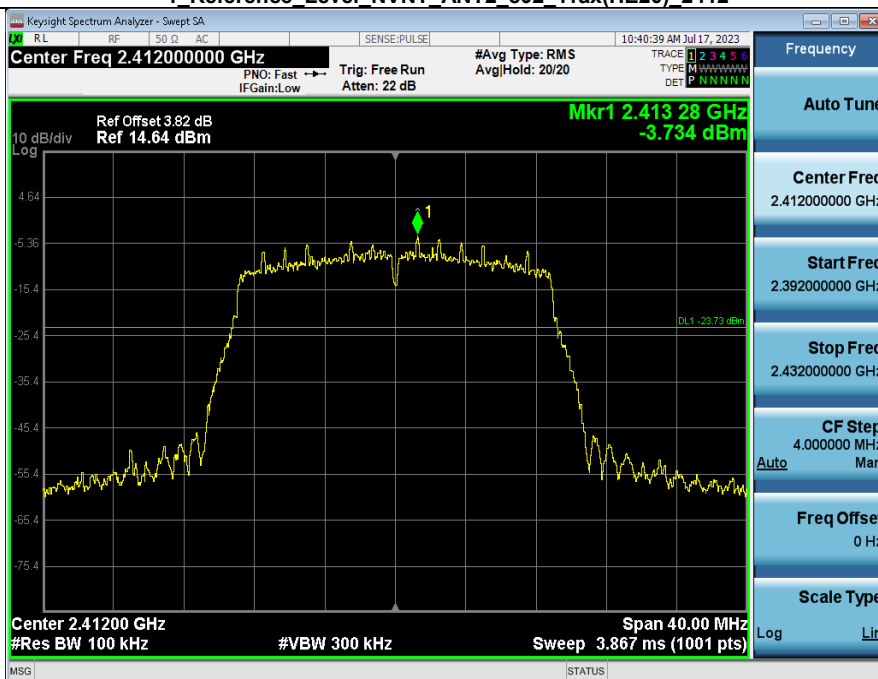
2 Bandedge_NVNT_ANT2_802_11n(HT20)_2462



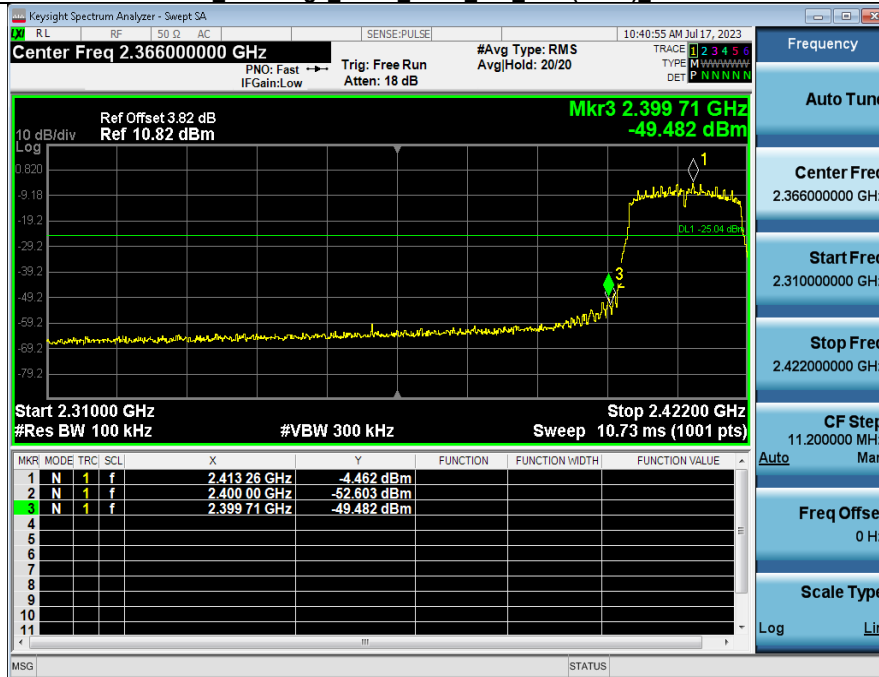
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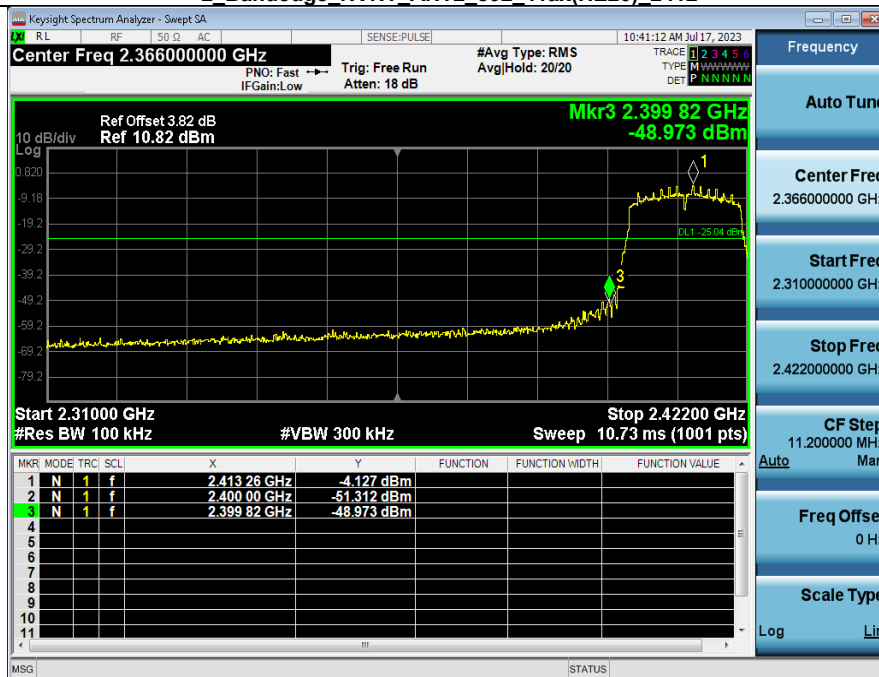
1 Reference Level NVNT_ANT2_802_11ax(HE20)_2412



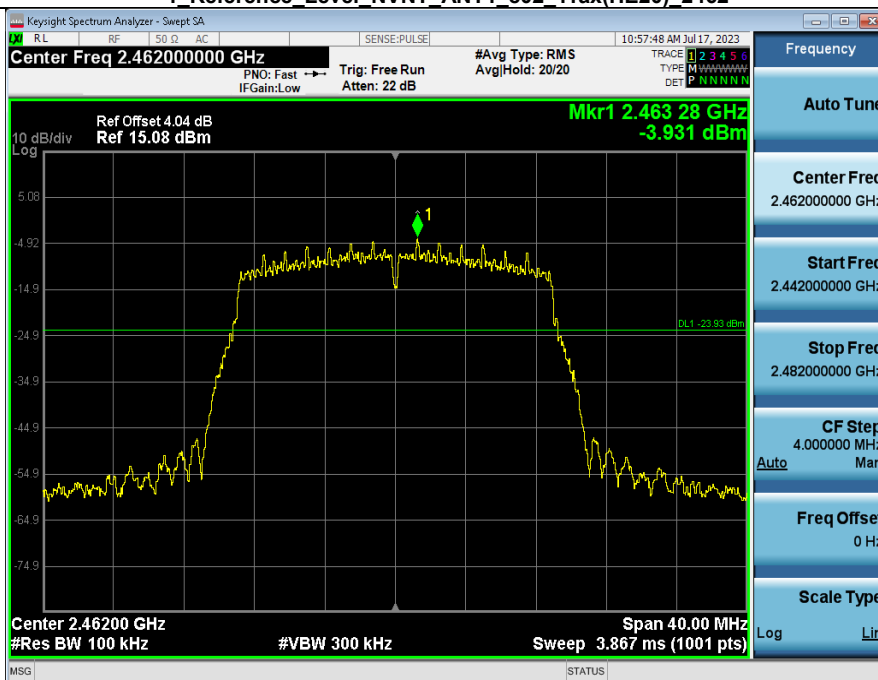
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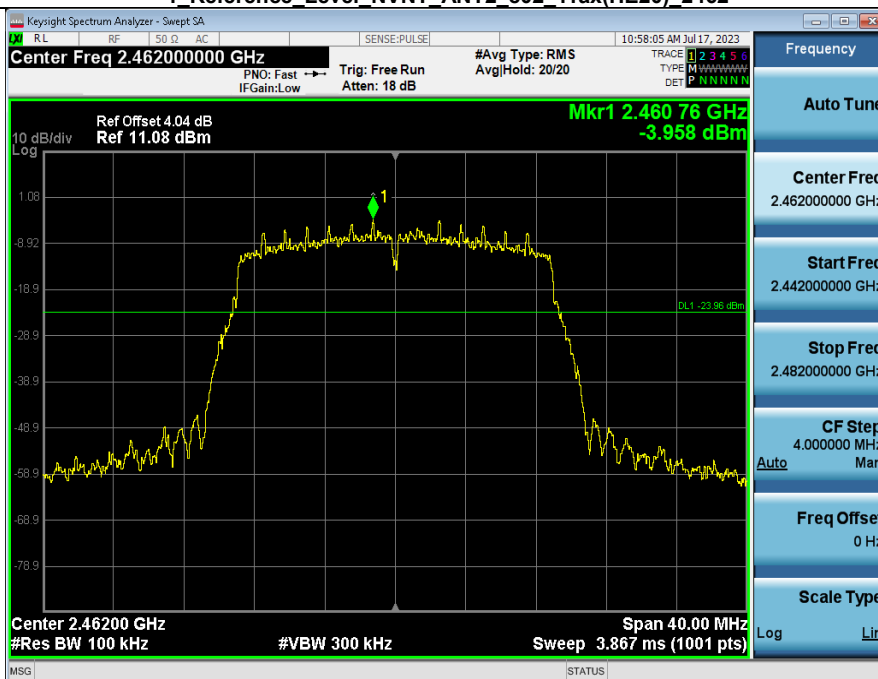
2_Bandedge_NVNT_ANT2_802_11ax(HE20)_2412



1 Reference Level NVNT_ANT1_802_11ax(HE20)_2462



1 Reference Level NVNT_ANT2_802_11ax(HE20)_2462



2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2462



2_Bandedge_NVNT_ANT2_802_11ax(HE20)_2462



