

TEST REPORT



Certificate #4312.01

Product Name / PMN: Countertop Payment Terminal**Trade Mark:** PAX**Model No.:** A80**HVIN:** A80SBWN**Report Number:** 26062925733RFC-3**Test Standards:** FCC 47 CFR Part 15 Subpart C
RSS-247 Issue 4
RSS-Gen Issue 6**FCC ID:** V5PA80SBWN**IC:** 11689A-A80SBWN**Test Result:** PASS**Date of Issue:** October 10, 2026

Prepared for:

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FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD,
WANCHAI, HK, China

Prepared by:

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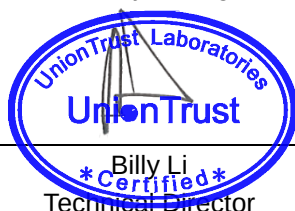
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October 10, 2026

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Version

Version No.	Date	Description
V1.0	October 10, 2026	Original



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1. GENERAL INFORMATION

1.1 CLIENT INFORMATION

Applicant:	PAX Technology Limited
Address of Applicant:	FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China
Manufacturer:	PAX Computer Technology (Shenzhen) Co., Ltd.
Address of Manufacturer:	Room 701, PAX Technology Building, Shanxia Community, Pinghu Sub-district, Longgang District, Shenzhen, China

1.2 EUT INFORMATION

1.2.1 General Description of EUT

Product Name / PMN:	Countertop Payment Terminal		
Model No.:	A80		
HVIN:	A80SBWN		
Trade Mark:	PAX		
DUT Stage:	Identical Prototype		
EUT Supports Function: (Provided by the customer)	2.4 GHz ISM Band:	Bluetooth V5.3	
		IEEE 802.11b/g/n/ax	
	5 GHz U-NII Bands:	5 150 MHz to 5 250 MHz	IEEE 802.11a/n/ac/ax
		5 250 MHz to 5 350 MHz	IEEE 802.11a/n/ac/ax
		5 470 MHz to 5 725 MHz	IEEE 802.11a/n/ac/ax
		5 725 MHz to 5 850 MHz	IEEE 802.11a/n/ac/ax
	NFC:	13.553 MHz to 13.567 MHz	
Sample Received Date:	June 26, 2026		
Sample Tested Date:	July 10, 2026 to August 21, 2026		

Remark: The above EUT's information was provided by customer. Please refer to the specifications or user's manual for more detailed description.

1.2.2 Description of Accessories

Refer to Report 26062925733EMC-1 for accessories.

1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD

Frequency Band:	2400 MHz to 2483.5 MHz
Frequency Range:	2412 MHz to 2462 MHz
Support Standards:	IEEE 802.11b/g/n-HT20/n-HT40/ax-HE20/ax-HE40
Type of Modulation:	IEEE 802.11b: DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n-HT20: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n-HT40: OFDM(64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax: OFDM/OFDMA(1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Data Rate:	IEEE 802.11b: Up to 11 Mbps IEEE 802.11g: Up to 54 Mbps IEEE 802.11n-HT20: Up to MCS7 IEEE 802.11n-HT40: Up to MCS7 IEEE 802.11ax-HE20/ HE40: Up to MCS11
Number of Channels:	IEEE 802.11b: 11 IEEE 802.11g: 11 IEEE 802.11n-HT20/ax-HE20: 11

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	IEEE 802.11n-HT40/ax-HE40: 7
Channel Separation:	5 MHz
Antenna Type:	PIFA Antenna
Antenna Gain: (Provided by the customer)	0.3 dBi
Maximum Peak Power:	IEEE 802.11b: 19.19 dBm IEEE 802.11g: 22.21 dBm IEEE 802.11n-HT20: 22.38 dBm IEEE 802.11n-HT40: 20.76 dBm IEEE 802.11ax-HE20: 21.58 dBm IEEE 802.11ax-HE40: 20.46 dBm
Maximum e.i.r.p	IEEE 802.11b: 19.49 dBm IEEE 802.11g: 22.51 dBm IEEE 802.11n-HT20: 22.68 dBm IEEE 802.11n-HT40: 21.06 dBm IEEE 802.11ax-HE20: 21.88 dBm IEEE 802.11ax-HE40: 20.76 dBm
Normal Test Voltage:	7.4Vdc

1.4 OTHER INFORMATION

Operation Frequency Each of Channel	
IEEE 802.11b, IEEE 802.11g, IEEE 802.11n-HT20 IEEE 802.11ax-HE20	$f = 2407 + 5k \text{ MHz}, k = 1, \dots, 11$
IEEE 802.11n-HT40 IEEE 802.11ax-HE40	$f = 2407 + 5k \text{ MHz}, k = 3, \dots, 9$
Note: f is the operating frequency (MHz); k is the operating channel.	

1.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested with associated equipment below.

1) Support Equipment

Description	Manufacturer	Model No.	Serial Number	Supplied by
Notebook	DELL	Latitude 3400	16238087894	UnionTrust
Mouse	DELL	MS111	CN-011D3V-738	UnionTrust

2) Support Cable

Cable No.	Description	Connector	Length	Supplied by
1	Antenna Cable	SMA	0.1Meter	Applicant

1.6 TEST LOCATION

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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1.7 TEST FACILITY

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L9069

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable under the ISO/IEC 17025 to international or national standards. Equipment has been calibrated by accredited calibration laboratories.

A2LA-Lab Certificate No.: 4312.01

Shenzhen UnionTrust Quality and Technology Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

ISED Wireless Device Testing Laboratories

CAB identifier: CN0032

FCC Accredited Lab.

Designation Number: CN1194

Test Firm Registration Number: 259480

1.8 DEVIATION FROM STANDARDS

None.

1.9 ABNORMALITIES FROM STANDARD CONDITIONS

None.

1.10 OTHER INFORMATION REQUESTED BY THE CUSTOMER

None.

1.11 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Measurement Uncertainty
1	Conducted emission 9kHz-150kHz	±3.2 dB
2	Conducted emission 150kHz-30MHz	±3.1 dB
3	Radiated emission 9kHz-30MHz	± 4.7 dB
4	Radiated emission 30MHz-1GHz	± 4.9 dB
5	Radiated emission 1GHz-18GHz	± 4.8 dB
6	Radiated emission 18GHz-26GHz	± 5.1 dB
7	Radiated emission 26GHz-40GHz	± 5.1 dB
8	Conducted spurious emissions	± 2.7 dB
9	RF Power, Conducted	± 0.68 dB
10	Occupied Bandwidth	± 1.86 %
11	Radio Frequency	2.4 GHz: ± 6.5 x 10 ⁻⁸
12	Transmission Time	± 0.19 %

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2. TEST SUMMARY

Test Cases			
Test Item	Test Requirement	Test Method	Result
Antenna Requirement	FCC 47 CFR Part 15 Subpart C Section 15.203/15.247 (b) RSS-Gen Issue 6, Section 5.2	N/A	PASS
AC Power Line Conducted Emission	FCC 47 CFR Part 15 Subpart C Section 15.207 RSS-Gen Issue 6, Section 6.2	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 6.2	PASS
Conducted Peak Output Power	FCC 47 CFR Part 15 Subpart C Section 15.247 (b)(3) RSS-247 Issue 4, Section 6.3.2	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.9.1.2	PASS
6dB Bandwidth	FCC 47 CFR Part 15 Subpart C Section 15.247 (a)(2) RSS-247 Issue 4, Section 6.3.1	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.8.1	PASS
Occupied Bandwidth	RSS-Gen Issue 6, section 5.1	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 6.9.3	PASS
Power Spectral Density	FCC 47 CFR Part 15 Subpart C Section 15.247 (e) RSS-247 Issue 4, Section 6.3.1	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.10.2	PASS
Conducted Out of Band Emission	FCC 47 CFR Part 15 Subpart C Section 15.247(d) RSS-247 Issue 4, Section 6.6	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.11	PASS
Radiated Spurious Emissions	FCC 47 CFR Part 15 Subpart C Section 15.205/15.209 RSS-Gen Issue 6, Section 5.5, 6.2	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.11 & Clause 11.12	PASS
Band Edge Measurements (Radiated)	FCC 47 CFR Part 15 Subpart C Section 15.205/15.209 RSS-247 Issue 4, Section 6.6	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.12	PASS
Duty Cycle	N/A	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.6	None; for reporting purposes only.

Disclaimer and Explanations:

The declared of product specification and data (e.g. antenna gain, RF specification, etc) for EUT presented in the report are provided by the customer, and the customer takes all the responsibilities for the accuracy of product specification.

3. EQUIPMENT LIST

Radiated Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	3m SAC	ETS-LINDGREN	3M	Euroshiedpn-CT001270-1317	11-Nov-2023	10-Nov-2026
☒	Receiver	R&S	ESIB26	100114	24-Oct-2025	23-Oct-2026
☒	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	20-Mar-2026	19-Mar-2027
☒	Loop Antenna	ETS-LINDGREN	6502	00202525	26-Oct-2025	25-Oct-2026
☒	Broadband Antenna	ETS-LINDGREN	3142E	00201566	26-Oct-2025	25-Oct-2026
☒	6dB Attenuator	Talent	RA6A5-N-18	18103001	24-Oct-2025	23-Oct-2026
☒	Preamplifier	HP	8447F	2805A02960	24-Oct-2025	23-Oct-2026
☒	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3116C-PA	00202652	24-Oct-2025	23-Oct-2026
☒	Pre-amplifier	ETS-Lindgren	00118384	00202652	24-Oct-2025	23-Oct-2026
☒	Double-Ridged Waveguide Horn Antenna (Pre-amplifier)	ETS-LINDGREN	3117-PA	00201541	21-Mar-2026	20-Mar-2027
☒	Pre-amplifier	ETS-Lindgren	00118385	00201874	21-Mar-2026	20-Mar-2027
☒	Multi device Controller	ETS-LINDGREN	7006-001	00160105	N/A	N/A
☒	Band Reject Filter(2400MHz~2500 MHz)	Micro-tronics	BRM50702	G590	24-Oct-2025	23-Oct-2026
☒	Test Software	Audix	e3	Software Version: 9.160323		

Conducted Emission Test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	Receiver	R&S	ESCI3	101192	24-Oct-2025	23-Oct-2026
☒	LISN	R&S	EVN216	3560.6550.12	22-Jan-2026	21-Jan-2027
☐	LISN	ETS-Lindgren	3816/2SH	00201088	22-Jan-2026	21-Jan-2027
☒	Shielding room	ETS-Lindgren	843	Euroshiedpn-CT001270-1246	25-Oct-2024	24-Oct-2027
☒	Test Software	EZ-EMC	EZ-CON	Software Version: EMC-CON 3A1.1		

Conducted RF test Equipment List						
Used	Equipment	Manufacturer	Model No.	Serial Number	Cal. date	Cal. Due date
☒	EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY51440197	20-Mar-2026	19-Mar-2027
☒	USB Wideband Power Sensor	KEYSIGHT	U2021XA	MY55430035	24-Oct-2025	23-Oct-2026
☐	MXG X-Series RF Vector Signal Generator	KEYSIGHT	N5182B	MY51350267	24-Oct-2025	23-Oct-2026

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4. TEST CONFIGURATION

4.1 ENVIRONMENTAL CONDITIONS FOR TESTING

4.1.1 Normal or Extreme Test Conditions

Environment Parameter	Selected Values During Tests		
Test Condition	Ambient		
	Temperature (°C)	Voltage (V)	Relative Humidity (%)
NT/NV	+15 to +35	7.4	20 to 75
Remark: 1) NV: Normal Voltage; NT: Normal Temperature			

4.1.2 Record of Normal Environment and Test Sample

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)	Sample No.	Tested by
AC Power Line Conducted Emission	22.4	51.8	99.1	S202606269030-ZJA08/16	Shirley Wu
Conducted Peak Output Power	24.2	50.0	99.5	S202606269030-ZJA09/16	Alan Jia
6dB Bandwidth & Occupied Bandwidth					
Power Spectral Density					
Conducted Out of Band Emission	23.8	62.4	99.3	S202606269030-ZJA07/16	Leo Li
Radiated Spurious Emissions					
Band Edge Measurements (Radiated)					

4.2 TEST CHANNELS

Mode	Tx/Rx Frequency	Test RF Channel Lists		
		Lowest(L)	Middle(M)	Highest(H)
IEEE 802.11b	2412 MHz to 2462 MHz	Channel 1	Channel 6	Channel 11
		2412 MHz	2437 MHz	2462 MHz
IEEE 802.11g	2412 MHz to 2462 MHz	Channel 1	Channel 6	Channel 11
		2412 MHz	2437 MHz	2462 MHz
IEEE 802.11n-HT20 IEEE 802.11ax-HE20	2412 MHz to 2462 MHz	Channel 1	Channel 6	Channel 11
		2412 MHz	2437 MHz	2462 MHz
Mode	Tx/Rx Frequency	Test RF Channel Lists		
		Lowest(L)	Middle(M)	Highest(H)
IEEE 802.11n-HT40 IEEE 802.11ax-HE40	2422 MHz to 2452 MHz	Channel 3	Channel 6	Channel 9
		2422 MHz	2437 MHz	2452 MHz

4.3 EUT TEST STATUS

Mode	Tx Function	Description
IEEE 802.11b IEEE 802.11g IEEE 802.11n-HT20 IEEE 802.11n-HT40 IEEE 802.11ax-HE20 IEEE 802.11ax-HE40	1Tx	1. Keep the EUT in continuously transmitting with modulation test single.

Power Setting			
Mode	Lowest(L)	Middle(M)	Highest(H)
IEEE 802.11b	13	13	13
IEEE 802.11g	15	15	15
IEEE 802.11n-HT20	15	15	15
IEEE 802.11n-HT40	14	12	13
IEEE 802.11ax-HE20	14	14	14
IEEE 802.11ax-HE40	14	12	12

Test Software
Test software name: Command

4.4 PRE-SCAN

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate. Following data rate was (were) selected for the final test as listed below

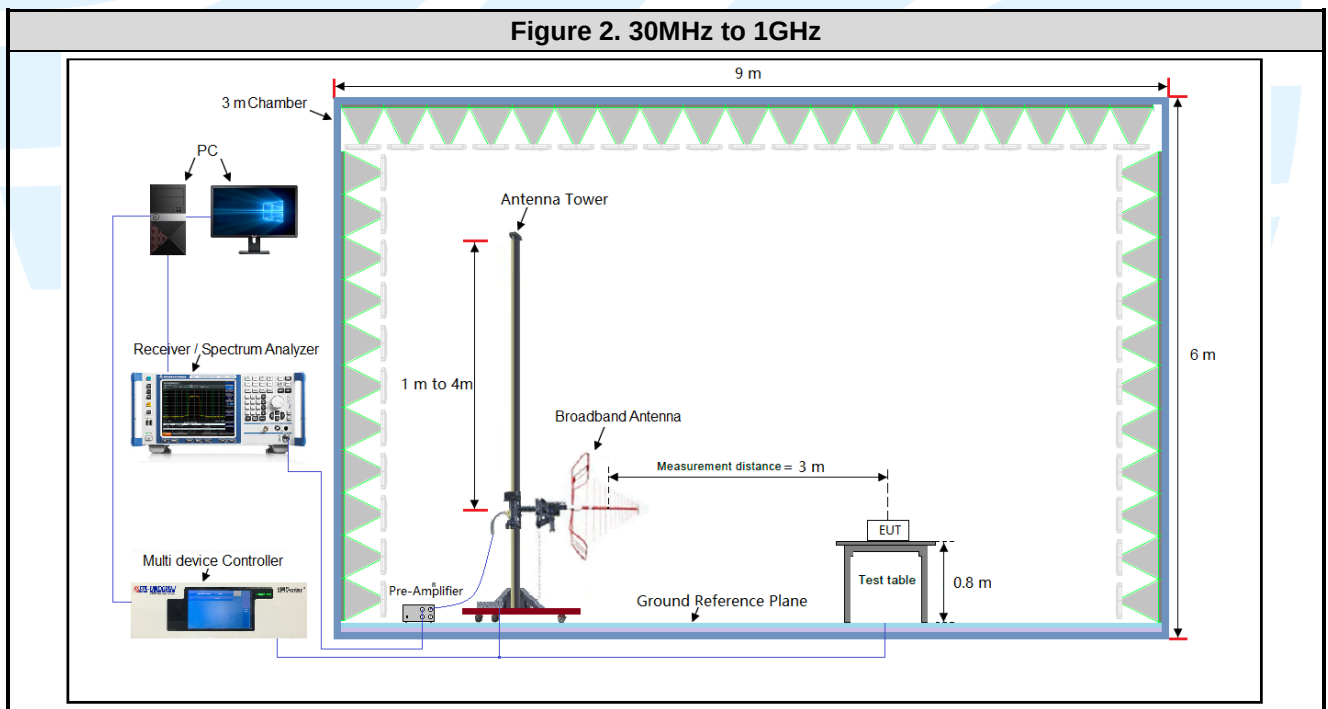
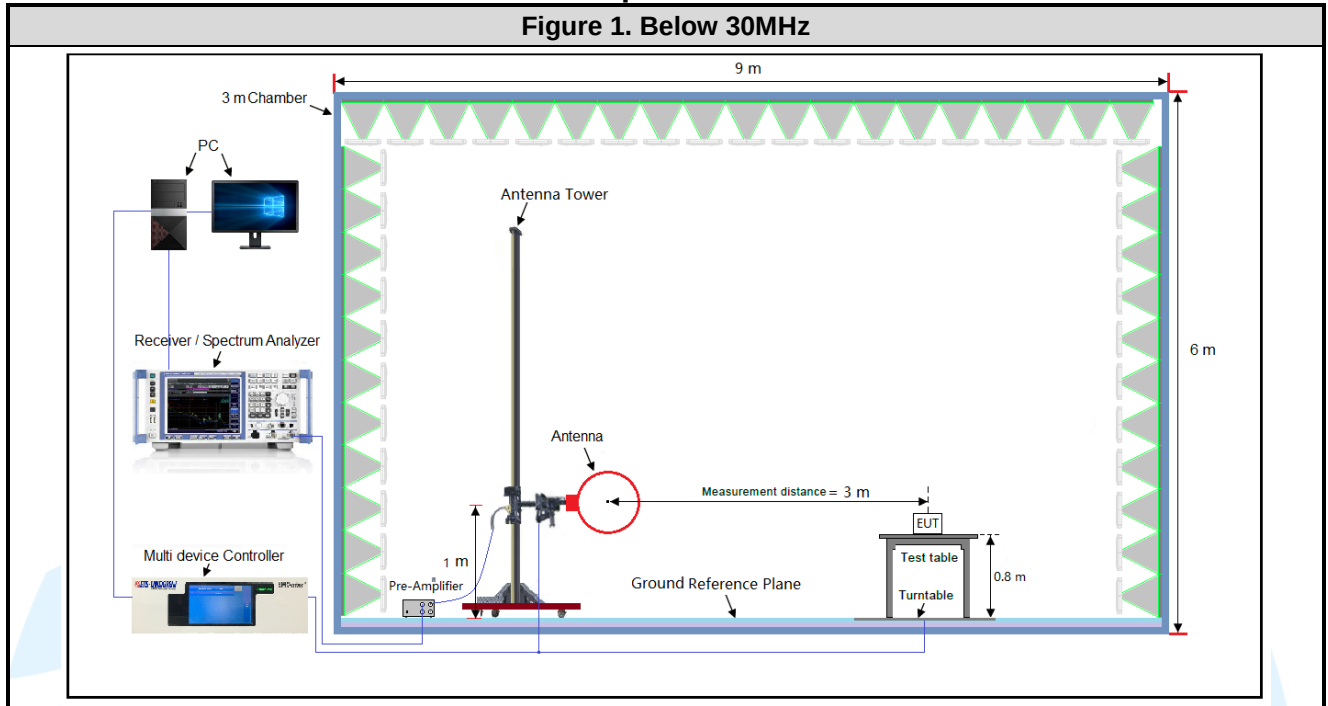
Mode	Worst-case data rates
IEEE 802.11b	1 Mbps
IEEE 802.11g	6 Mbps
IEEE 802.11n-HT20	MCS0
IEEE 802.11n-HT40	MCS0
*IEEE 802.11ax-HE20	MCS0
*IEEE 802.11ax-HE40	MCS0

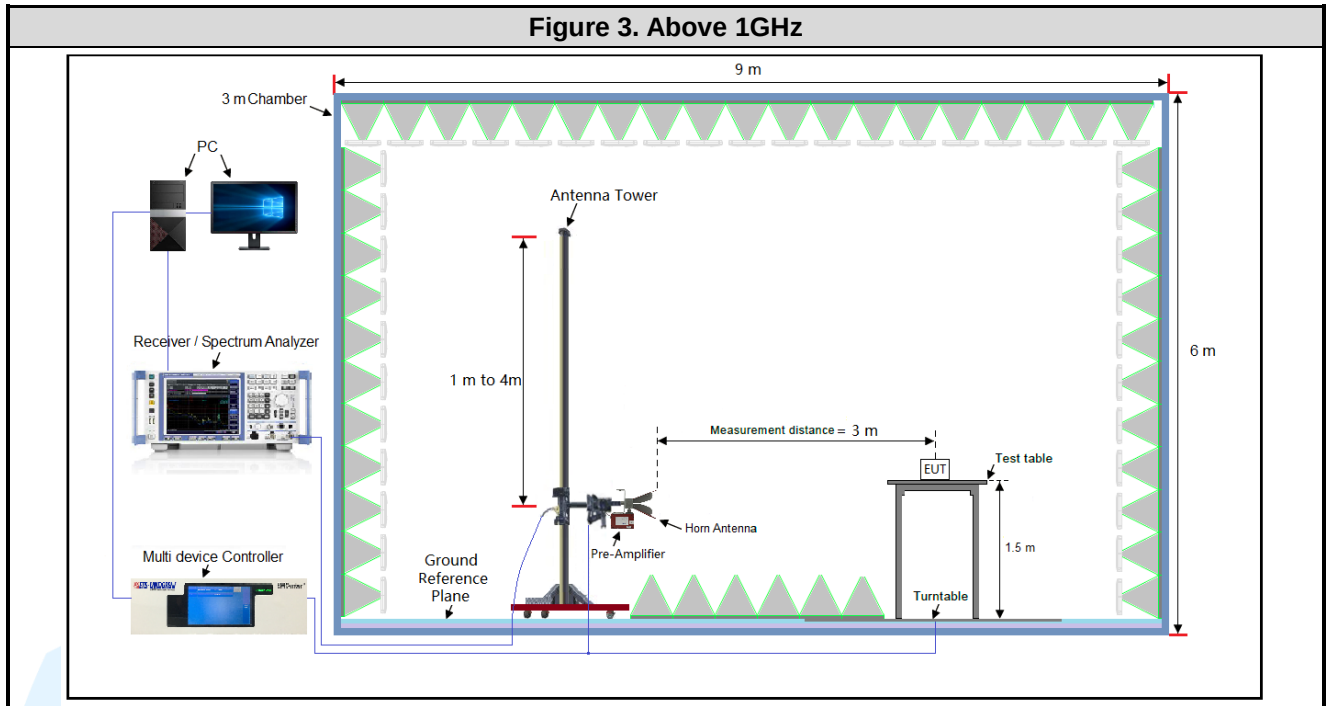
* Note:

Pre-Scan has been conducted to determine the worst-case mode from all RU allocations combinations. The RF test data in Appendix A below only shows the worst case.

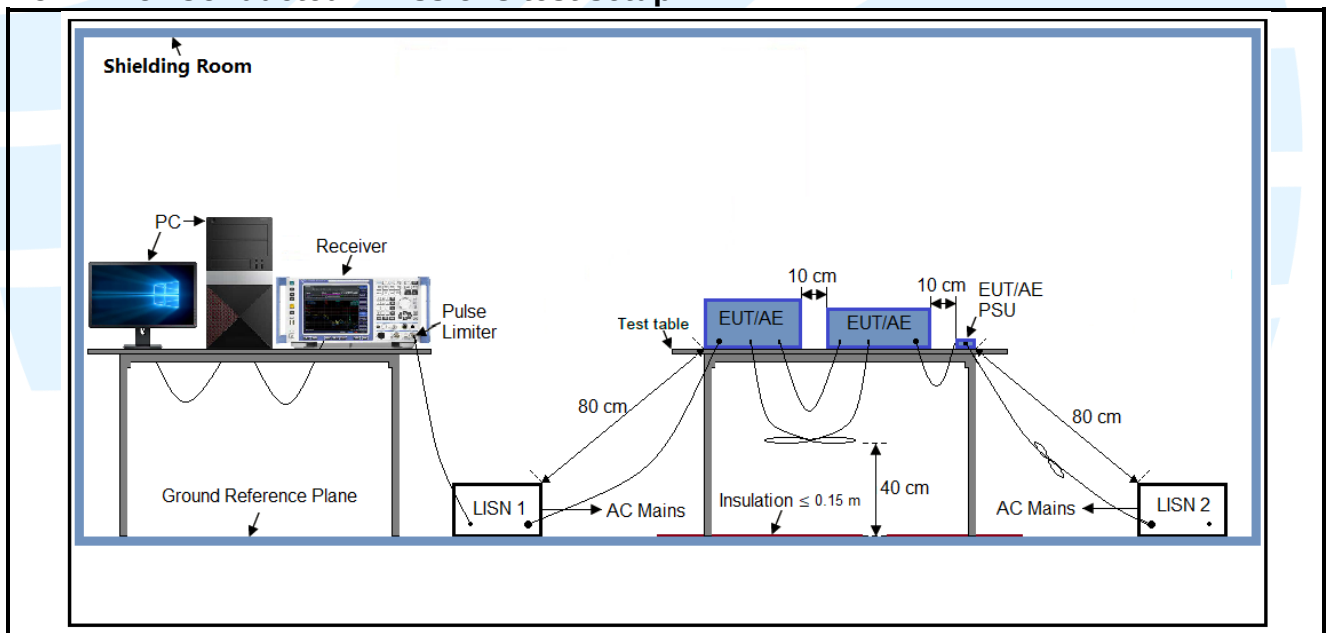
4.5 TEST SETUP

4.5.1 For Radiated Emissions test setup

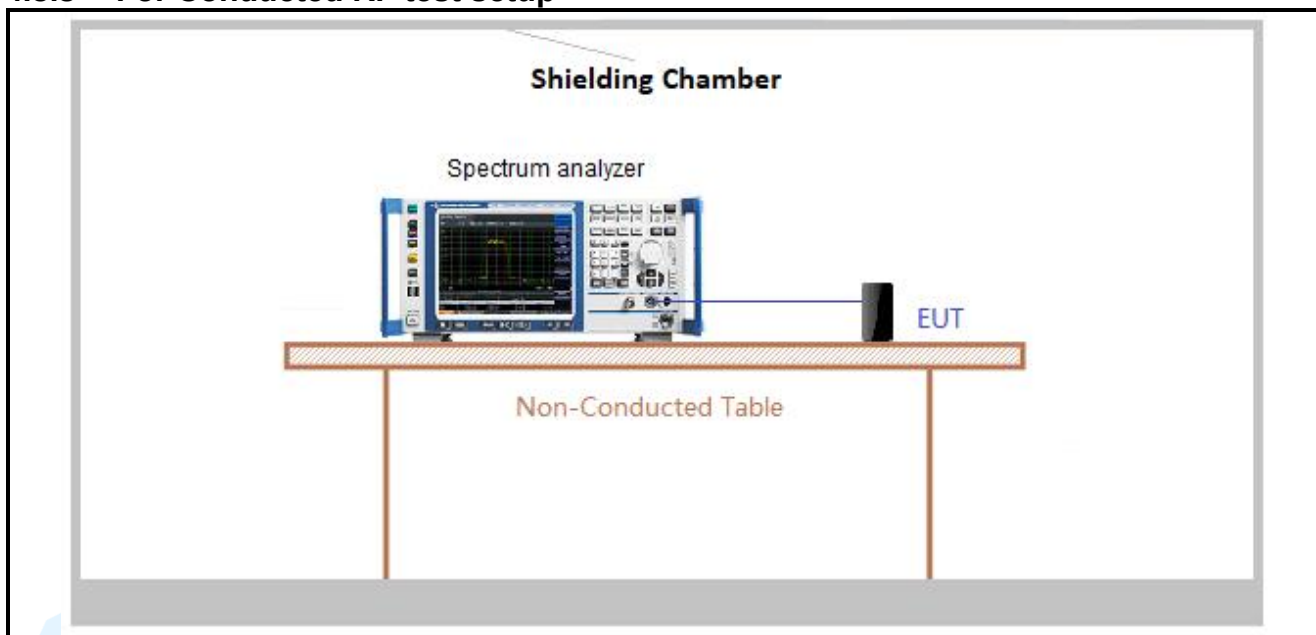




4.5.2 For Conducted Emissions test setup



4.5.3 For Conducted RF test setup



4.6 SYSTEM TEST CONFIGURATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, radiated emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario. Only the worst case data were recorded in this test report.

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance. Therefore, all final radiated testing was performed with the EUT in (see table below) orientation.

Frequency	Mode	Antenna Port	Worst-case axis positioning
Above 1GHz	1TX	Chain 0	Z axis

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

4.7 DUTY CYCLE

Test Procedure: ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.6.

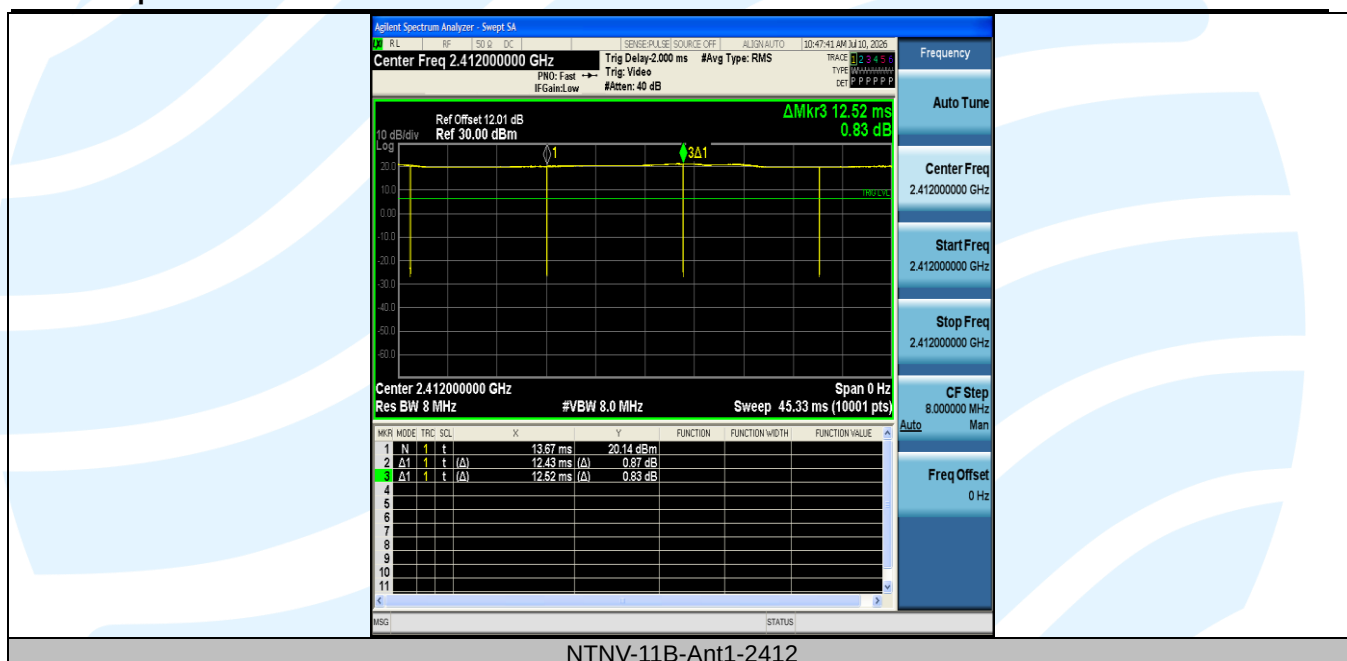
Test Results

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.43	12.52	99.28	0.03
11G	Ant1	2412	5.49	5.57	98.56	0.06
11N20SISO	Ant1	2412	5.37	5.45	98.53	0.06
11N40SISO	Ant1	2422	3.02	3.10	97.42	0.11
11AX20SISO	Ant1	2412	4.64	4.72	98.31	0.07
11AX40SISO	Ant1	2422	4.63	4.71	98.30	0.07

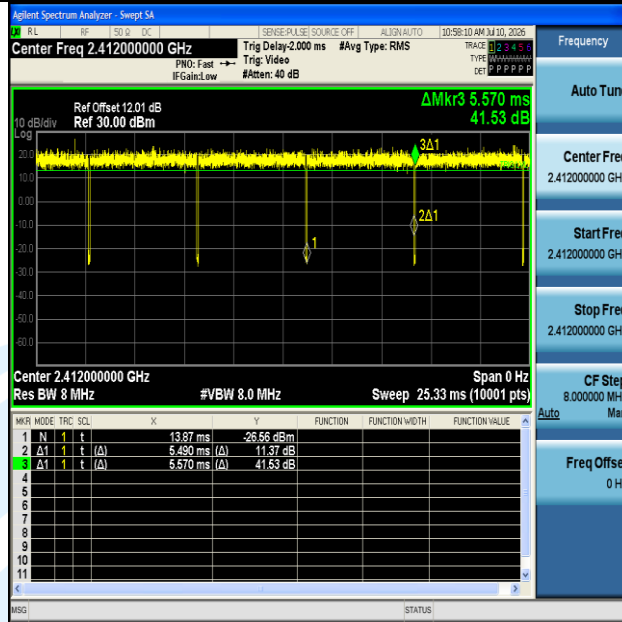
Remark:

- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor = $10 * \log(1/ \text{Duty cycle})$;
- 3) Average factor = $20 \log_{10} \text{Duty Cycle}$.

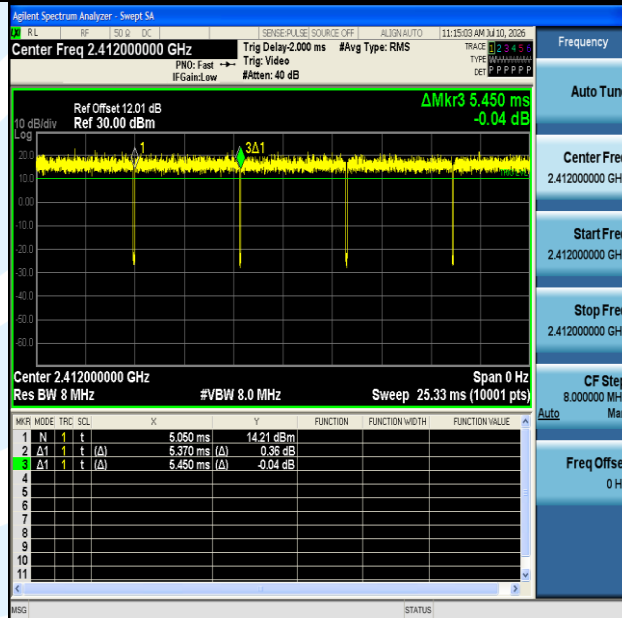
The test plots as follows



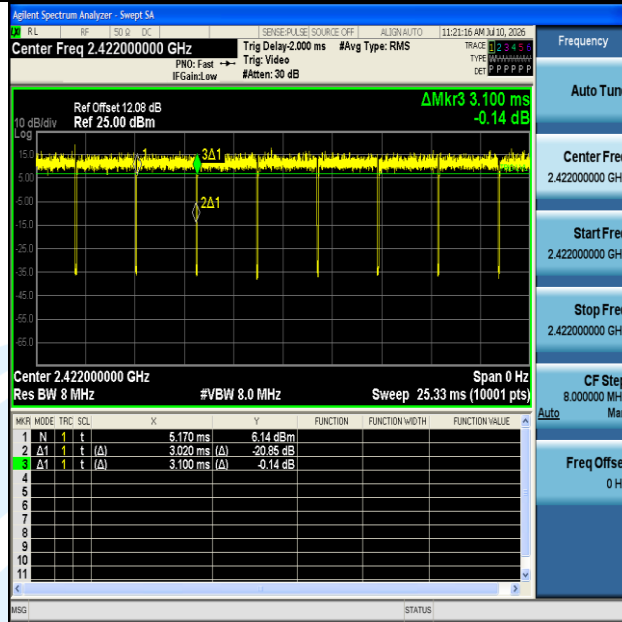
NTNV-11B-Ant1-2412



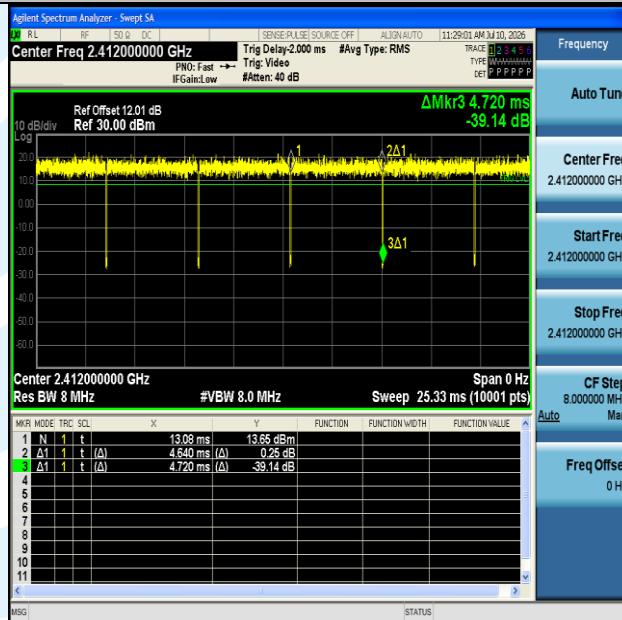
NTNV-11G-Ant1-2412



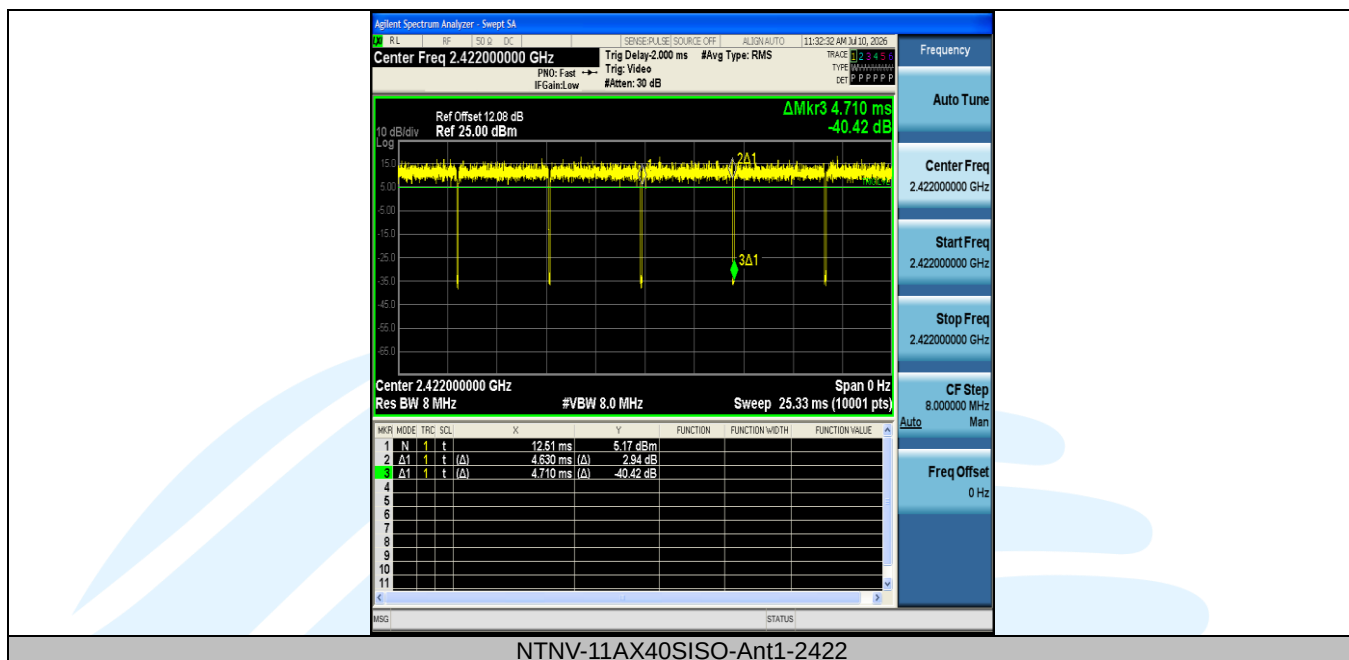
NTNV-11N20SISO-Ant1-2412



NTNV-11N40SISO-Ant1-2422



NTNV-11AX20SISO-Ant1-2412



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5. RADIO TECHNICAL REQUIREMENTS SPECIFICATION

5.1 REFERENCE DOCUMENTS FOR TESTING

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 15	Radio Frequency Devices
3	RSS-247 Issue 4	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
4	RSS-Gen Issue 6	General Requirements for Compliance of Radio Apparatus
5	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024	American National Standard for Testing Unlicensed Wireless Devices
6	KDB 558074 D01 15.247 Meas Guidance v05r02	Guidance for compliance measurements on Digital Transmission Systems, Frequency Hopping Spread Spectrum system, and Hybrid system devices operating under Section 15.247 of the FCC rules

5.2 ANTENNA REQUIREMENT

Standard Requirement
15.203 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi. RSS-Gen Issue 6, Section 5.2 requirement: According to RSS-Gen Issue 6, Section 5.2, a transmitter can only be sold or operated with antennas with which it was certified. A transmitter may be certified with multiple antenna types. An antenna type comprises antennas having similar in-band and out-of-band radiation patterns.
EUT Antenna: Antenna in the interior of the equipment and no consideration of replacement. The gain of the antenna is 0.3 dBi.

5.3 CONDUCTED PEAK OUTPUT POWER

Test Requirement:	FCC 47 CFR Part 15 Subpart C Section 15.247 (b)(3) RSS-247 Issue 4, Section 6.3.2
Test Method:	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.9.1.2
Limit:	For systems using digital modulation in the 2400-2483.5 MHz bands: 1 Watt.
Test Procedure:	1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter. 2. Measure out each test modes' peak or average output power, record the power level. Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.
Test Setup:	Refer to section 4.5.3 for details.
Instruments Used:	Refer to section 3 for details
Test Results:	Please refer to Appendix A

Note:

1. The antenna gain of 0.3 dBi less than 6dBi maximum permission antenna gain value based on 1 watt (30dBm) peak output power limit.
2. The maximum EIRP is calculated from max output power and antenna gain, the antenna gain provided by the customer, and the customer takes all the responsibilities for the accuracy of antenna gain.

5.46 DB BANDWIDTH & OCCUPIED BANDWIDTH

Test Requirement:	FCC 47 CFR Part 15 Subpart C Section 15.247 (a)(2) RSS-247 Issue 4, Section 6.3.1 RSS-Gen Issue 6, Section 5.1 ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024
Test Method:	Clause 11.8.1 RSS-Gen Issue 6, Section 5.1
Limit:	For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz
Test Procedure:	Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer. Use the following spectrum analyzer settings:

6dB Bandwidth

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- 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.

Occupied Bandwidth

- Set RBW = 1% to 5% of the occupied bandwidth
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup:	Refer to section 4.5.3 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Please refer to Appendix A

5.5 POWER SPECTRAL DENSITY

Test Requirement:	FCC 47 CFR Part 15 Subpart C Section 15.247 (e) RSS-247 Issue 4, Section 6.3.1
Test Method:	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.10.2
Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.
Test Procedure:	Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer. Use the following spectrum analyzer settings: a) Set analyzer center frequency to DTS channel center frequency. b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$. d) Set the VBW $\geq 3 \times \text{RBW}$. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum amplitude level within the RBW. j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat. Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.
Test Setup:	Refer to section 4.5.3 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Please refer to Appendix A

5.6 CONDUCTED OUT OF BAND EMISSION

Test Requirement:	FCC 47 CFR Part 15 Subpart C Section 15.247(d) RSS-247 Issue 4, Section 6.6
Test Method:	ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024 Clause 11.11
Limit:	In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.
Test Procedure:	Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer. Use the following spectrum analyzer settings: Step 1: Measurement Procedure REF - Set instrument center frequency to DTS channel center frequency. - Set the span to ≥ 1.5 times the DTS bandwidth. - Set the RBW = 100 kHz. - Set the VBW $\geq 3 \times$ RBW. - Detector = peak. - Sweep time = auto couple. - Trace mode = max hold. - Allow trace to fully stabilize. - Use the peak marker function to determine the maximum PSD level. - Note that the channel found to contain the maximum PSD level can be used to establish the reference level. Step 2: Measurement Procedure OOB - Set RBW = 100 kHz. - Set VBW ≥ 300 kHz. - Detector = peak. - Sweep = auto couple. - Trace Mode = max hold. - Allow trace to fully stabilize. - Use the peak marker function to determine the maximum amplitude level. Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.
Test Setup:	Refer to section 4.5.3 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Please refer to Appendix A

5.7 RADIATED SPURIOUS EMISSIONS

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.205/15.209
RSS-Gen Issue 6, Section 5.5, 6.2

Test Method: ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024
Clause 11.11 & Clause 11.12

Receiver Setup:

Frequency	RBW
0.009 MHz-0.150 MHz	200/300 kHz
0.150 MHz -30 MHz	9/10 kHz
30 MHz-1 GHz	100/120 kHz
Above 1 GHz	1 MHz

Limits:

Spurious Emissions

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009 MHz-0.490 MHz	2400/F(kHz)	--	--	300
0.490 MHz-1.705 MHz	24000/F(kHz)	--	--	30
1.705 MHz-30 MHz	30	--	--	30
30 MHz-88 MHz	100	40.0	Quasi-peak	3
88 MHz-216 MHz	150	43.5	Quasi-peak	3
216 MHz-960 MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1 GHz	500	54.0	Average	3

Remark:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

Test Setup: Refer to section 4.4.1 for details.

Test Procedures:

- From 30 MHz to 1GHz test procedure as below:
 - The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table table was turned from 0 degrees to 360 degrees to find the maximum reading.
 - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
 - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Above 1GHz test procedure as below:
 - Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table

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is 1.5 meter).

- 2) Test the EUT in the lowest channel ,middle channel, the Highest channel
- 3) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the Z axis positioning which it is worse case.
- 4) Repeat above procedures until all frequencies measured was complete.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

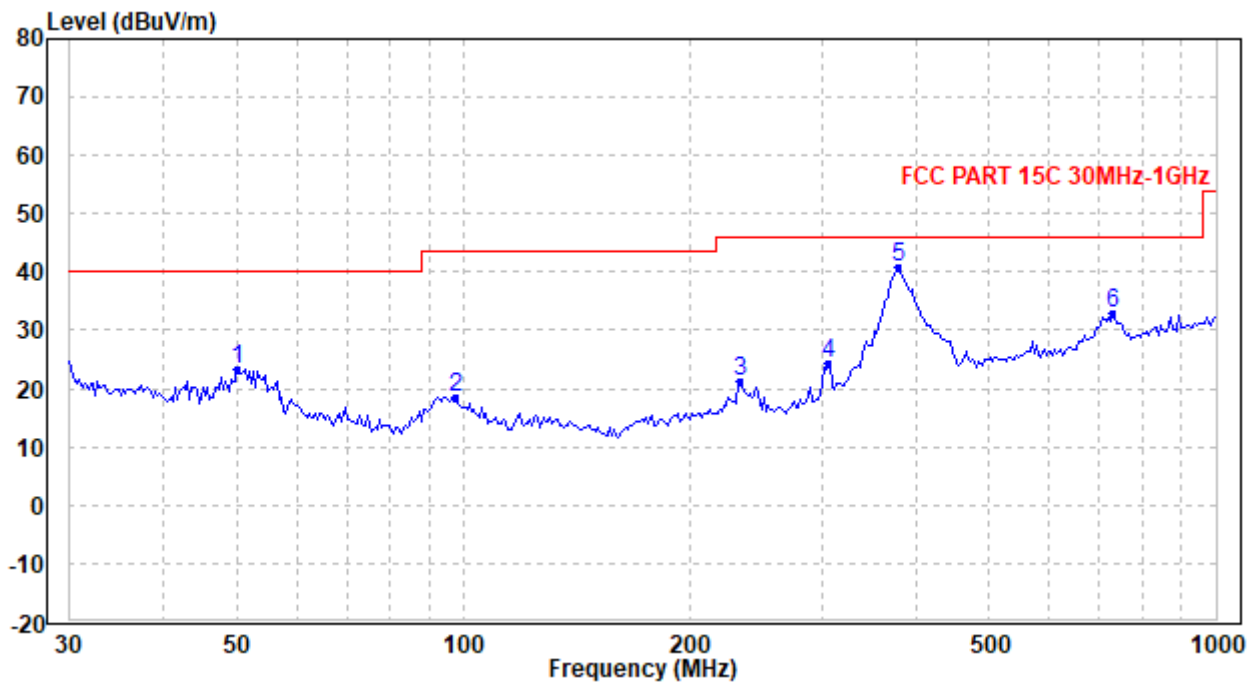
Radiated Emission Test Data (9 KHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

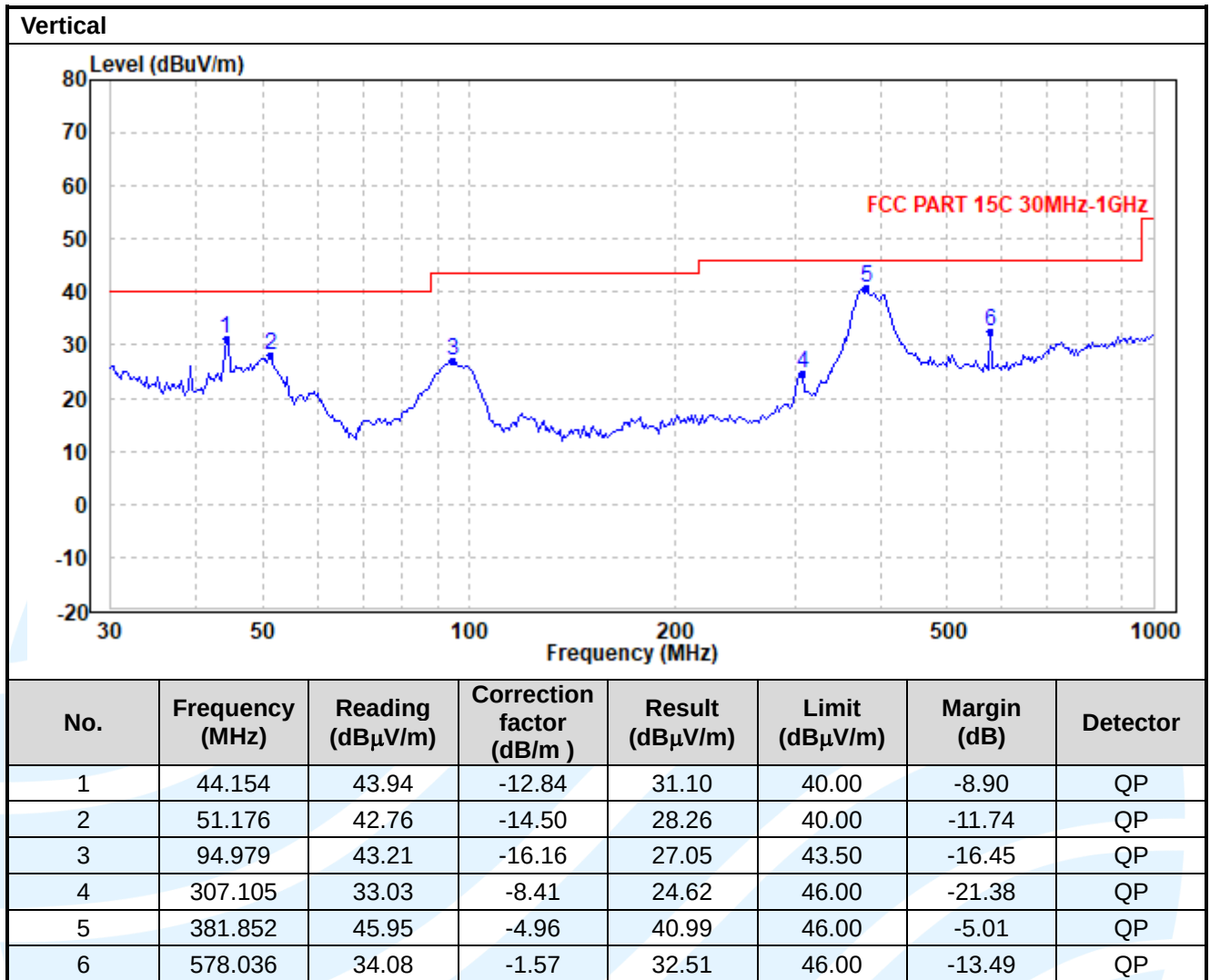
Radiated Emission Test Data (30 MHz ~ 1 GHz):

Worst-Case Configuration

Horizontal



No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	50.108	37.39	-14.05	23.34	40.00	-16.66	QP
2	97.686	35.13	-16.49	18.64	43.50	-24.86	QP
3	233.488	32.21	-10.83	21.38	46.00	-24.62	QP
4	304.955	32.83	-8.43	24.40	46.00	-21.60	QP
5	379.178	45.79	-5.11	40.68	46.00	-5.32	QP
6	728.897	31.48	1.57	33.05	46.00	-12.95	QP



Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
2.4G B 2412 MHz								
1	4824	34.20	-0.11	34.09	54.00	-19.91	Average	Horizontal
2	4824	46.69	-0.11	46.58	74.00	-27.42	Peak	Horizontal
3	7236	34.80	2.46	37.26	54.00	-16.74	Average	Horizontal
4	7236	46.94	2.46	49.40	74.00	-24.60	Peak	Horizontal
5	4824	34.25	-0.11	34.14	54.00	-19.86	Average	Vertical
6	4824	46.34	-0.11	46.23	74.00	-27.77	Peak	Vertical
7	7236	34.83	2.46	37.29	54.00	-16.71	Average	Vertical
8	7236	46.42	2.46	48.88	74.00	-25.12	Peak	Vertical
2.4G B 2437 MHz								
1	4874	35.85	-0.20	35.65	54.00	-18.35	Average	Horizontal
2	4874	47.97	-0.20	47.77	74.00	-26.23	Peak	Horizontal
3	7311	34.67	2.46	37.13	54.00	-16.87	Average	Horizontal
4	7311	47.22	2.46	49.68	74.00	-24.32	Peak	Horizontal
5	4874	36.97	-0.20	36.77	54.00	-17.23	Average	Vertical
6	4874	52.36	-0.20	52.16	74.00	-21.84	Peak	Vertical
7	7311	34.83	2.46	37.29	54.00	-16.71	Average	Vertical
8	7311	46.79	2.46	49.25	74.00	-24.75	Peak	Vertical
2.4G B 2462 MHz								
1	4924	33.87	-0.29	33.58	54.00	-20.42	Average	Horizontal
2	4924	46.21	-0.29	45.92	74.00	-28.08	Peak	Horizontal
3	7386	33.92	2.46	36.38	54.00	-17.62	Average	Horizontal
4	7386	47.24	2.46	49.70	74.00	-24.30	Peak	Horizontal
5	4924	34.95	-0.29	34.66	54.00	-19.34	Average	Vertical
6	4924	48.94	-0.29	48.65	74.00	-25.35	Peak	Vertical
7	7386	33.89	2.46	36.35	54.00	-17.65	Average	Vertical
8	7386	46.56	2.46	49.02	74.00	-24.98	Peak	Vertical
2.4G G 2412 MHz								
1	4824	34.11	-0.11	34.00	54.00	-20.00	Average	Horizontal
2	4824	46.41	-0.11	46.30	74.00	-27.70	Peak	Horizontal
3	7236	34.83	2.46	37.29	54.00	-16.71	Average	Horizontal
4	7236	46.59	2.46	49.05	74.00	-24.95	Peak	Horizontal
5	4824	34.42	-0.11	34.31	54.00	-19.69	Average	Vertical
6	4824	51.07	-0.11	50.96	74.00	-23.04	Peak	Vertical
7	7236	34.85	2.46	37.31	54.00	-16.69	Average	Vertical
8	7236	46.63	2.46	49.09	74.00	-24.91	Peak	Vertical
2.4G G 2437 MHz								
1	4874	35.44	-0.20	35.24	54.00	-18.76	Average	Horizontal
2	4874	48.57	-0.20	48.37	74.00	-25.63	Peak	Horizontal
3	7311	34.64	2.46	37.10	54.00	-16.90	Average	Horizontal
4	7311	47.04	2.46	49.50	74.00	-24.50	Peak	Horizontal
5	4874	36.95	-0.20	36.75	54.00	-17.25	Average	Vertical
6	4874	52.51	-0.20	52.31	74.00	-21.69	Peak	Vertical
7	7311	34.61	2.46	37.07	54.00	-16.93	Average	Vertical
8	7311	46.78	2.46	49.24	74.00	-24.76	Peak	Vertical
2.4G G 2462 MHz								
1	4924	33.30	-0.29	33.01	54.00	-20.99	Average	Horizontal
2	4924	45.83	-0.29	45.54	74.00	-28.46	Peak	Horizontal
3	7386	33.86	2.46	36.32	54.00	-17.68	Average	Horizontal
4	7386	46.10	2.46	48.56	74.00	-25.44	Peak	Horizontal
5	4924	34.16	-0.29	33.87	54.00	-20.13	Average	Vertical
6	4924	46.11	-0.29	45.82	74.00	-28.18	Peak	Vertical
7	7386	33.83	2.46	36.29	54.00	-17.71	Average	Vertical
8	7386	45.97	2.46	48.43	74.00	-25.57	Peak	Vertical

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2.4G_N20_2412 MHz								
1	4824	34.03	-0.11	33.92	54.00	-20.08	Average	Horizontal
2	4824	45.46	-0.11	45.35	74.00	-28.65	Peak	Horizontal
3	7236	34.77	2.46	37.23	54.00	-16.77	Average	Horizontal
4	7236	47.23	2.46	49.69	74.00	-24.31	Peak	Horizontal
5	4824	34.28	-0.11	34.17	54.00	-19.83	Average	Vertical
6	4824	45.41	-0.11	45.30	74.00	-28.70	Peak	Vertical
7	7236	34.83	2.46	37.29	54.00	-16.71	Average	Vertical
8	7236	47.13	2.46	49.59	74.00	-24.41	Peak	Vertical
2.4G_N20_2437 MHz								
1	4874	35.14	-0.20	34.94	54.00	-19.06	Average	Horizontal
2	4874	46.94	-0.20	46.74	74.00	-27.26	Peak	Horizontal
3	7311	34.56	2.46	37.02	54.00	-16.98	Average	Horizontal
4	7311	46.98	2.46	49.44	74.00	-24.56	Peak	Horizontal
5	4874	35.71	-0.20	35.51	54.00	-18.49	Average	Vertical
6	4874	47.40	-0.20	47.20	74.00	-26.80	Peak	Vertical
7	7311	34.69	2.46	37.15	54.00	-16.85	Average	Vertical
8	7311	46.51	2.46	48.97	74.00	-25.03	Peak	Vertical
2.4G_N20_2462 MHz								
1	4924	33.45	-0.29	33.16	54.00	-20.84	Average	Horizontal
2	4924	46.35	-0.29	46.06	74.00	-27.94	Peak	Horizontal
3	7386	33.95	2.46	36.41	54.00	-17.59	Average	Horizontal
4	7386	46.17	2.46	48.63	74.00	-25.37	Peak	Horizontal
5	4924	34.25	-0.29	33.96	54.00	-20.04	Average	Vertical
6	4924	46.34	-0.29	46.05	74.00	-27.95	Peak	Vertical
7	7386	33.77	2.46	36.23	54.00	-17.77	Average	Vertical
8	7386	46.02	2.46	48.48	74.00	-25.52	Peak	Vertical
2.4G_N40_2422 MHz								
1	4844	34.14	-0.14	34.00	54.00	-20.00	Average	Horizontal
2	4844	45.63	-0.14	45.49	74.00	-28.51	Peak	Horizontal
3	7266	34.76	2.45	37.21	54.00	-16.79	Average	Horizontal
4	7266	46.38	2.45	48.83	74.00	-25.17	Peak	Horizontal
5	4844	34.45	-0.14	34.31	54.00	-19.69	Average	Vertical
6	4844	47.10	-0.14	46.96	74.00	-27.04	Peak	Vertical
7	7266	34.76	2.45	37.21	54.00	-16.79	Average	Vertical
8	7266	47.25	2.45	49.70	74.00	-24.30	Peak	Vertical
2.4G_N40_2437 MHz								
1	4874	34.78	-0.20	34.58	54.00	-19.42	Average	Horizontal
2	4874	46.82	-0.20	46.62	74.00	-27.38	Peak	Horizontal
3	7311	34.64	2.46	37.10	54.00	-16.90	Average	Horizontal
4	7311	46.80	2.46	49.26	74.00	-24.74	Peak	Horizontal
5	4874	34.89	-0.20	34.69	54.00	-19.31	Average	Vertical
6	4874	47.29	-0.20	47.09	74.00	-26.91	Peak	Vertical
7	7311	34.67	2.46	37.13	54.00	-16.87	Average	Vertical
8	7311	46.90	2.46	49.36	74.00	-24.64	Peak	Vertical
2.4G_N40_2452 MHz								
1	4904	33.04	-0.25	32.79	54.00	-21.21	Average	Horizontal
2	4904	47.04	-0.25	46.79	74.00	-27.21	Peak	Horizontal
3	7356	33.78	2.45	36.23	54.00	-17.77	Average	Horizontal
4	7356	47.78	2.45	50.23	74.00	-23.77	Peak	Horizontal
5	4904	33.16	-0.25	32.91	54.00	-21.09	Average	Vertical
6	4904	45.58	-0.25	45.33	74.00	-28.67	Peak	Vertical
7	7356	33.81	2.45	36.26	54.00	-17.74	Average	Vertical
8	7356	46.50	2.45	48.95	74.00	-25.05	Peak	Vertical

Radiated Emission Test Data (Above 1GHz):								
No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
2.4G_AX20_2412 MHz								
1	4824	34.11	-0.11	34.00	54.00	-20.00	Average	Horizontal
2	4824	45.99	-0.11	45.88	74.00	-28.12	Peak	Horizontal
3	7236	34.90	2.46	37.36	54.00	-16.64	Average	Horizontal
4	7236	47.27	2.46	49.73	74.00	-24.27	Peak	Horizontal
5	4824	34.31	-0.11	34.20	54.00	-19.80	Average	Vertical
6	4824	45.80	-0.11	45.69	74.00	-28.31	Peak	Vertical
7	7236	34.72	2.46	37.18	54.00	-16.82	Average	Vertical
8	7236	47.04	2.46	49.50	74.00	-24.50	Peak	Vertical
2.4G_AX20_2437 MHz								
1	4874	35.35	-0.20	35.15	54.00	-18.85	Average	Horizontal
2	4874	46.72	-0.20	46.52	74.00	-27.48	Peak	Horizontal
3	7311	34.69	2.46	37.15	54.00	-16.85	Average	Horizontal
4	7311	47.06	2.46	49.52	74.00	-24.48	Peak	Horizontal
5	4874	35.94	-0.20	35.74	54.00	-18.26	Average	Vertical
6	4874	48.06	-0.20	47.86	74.00	-26.14	Peak	Vertical
7	7311	34.61	2.46	37.07	54.00	-16.93	Average	Vertical
8	7311	46.91	2.46	49.37	74.00	-24.63	Peak	Vertical
2.4G_AX20_2462 MHz								
1	4924	33.11	-0.29	32.82	54.00	-21.18	Average	Horizontal
2	4924	47.16	-0.29	46.87	74.00	-27.13	Peak	Horizontal
3	7386	33.83	2.46	36.29	54.00	-17.71	Average	Horizontal
4	7386	46.06	2.46	48.52	74.00	-25.48	Peak	Horizontal
5	4924	33.76	-0.29	33.47	54.00	-20.53	Average	Vertical
6	4924	45.75	-0.29	45.46	74.00	-28.54	Peak	Vertical
7	7386	33.86	2.46	36.32	54.00	-17.68	Average	Vertical
8	7386	46.10	2.46	48.56	74.00	-25.44	Peak	Vertical
2.4G_AX40_2422 MHz								
1	4844	34.14	-0.14	34.00	54.00	-20.00	Average	Horizontal
2	4844	46.03	-0.14	45.89	74.00	-28.11	Peak	Horizontal
3	7266	34.84	2.45	37.29	54.00	-16.71	Average	Horizontal
4	7266	47.12	2.45	49.57	74.00	-24.43	Peak	Horizontal
5	4844	34.42	-0.14	34.28	54.00	-19.72	Average	Vertical
6	4844	45.97	-0.14	45.83	74.00	-28.17	Peak	Vertical
7	7266	34.91	2.45	37.36	54.00	-16.64	Average	Vertical
8	7266	46.45	2.45	48.90	74.00	-25.10	Peak	Vertical
2.4G_AX40_2437 MHz								
1	4874	34.86	-0.20	34.66	54.00	-19.34	Average	Horizontal
2	4874	47.11	-0.20	46.91	74.00	-27.09	Peak	Horizontal
3	7311	34.64	2.46	37.10	54.00	-16.90	Average	Horizontal
4	7311	47.54	2.46	50.00	74.00	-24.00	Peak	Horizontal
5	4874	34.89	-0.20	34.69	54.00	-19.31	Average	Vertical
6	4874	46.46	-0.20	46.26	74.00	-27.74	Peak	Vertical
7	7311	34.61	2.46	37.07	54.00	-16.93	Average	Vertical
8	7311	46.22	2.46	48.68	74.00	-25.32	Peak	Vertical
2.4G_AX40_2452 MHz								
1	4904	33.07	-0.25	32.82	54.00	-21.18	Average	Horizontal
2	4904	46.09	-0.25	45.84	74.00	-28.16	Peak	Horizontal
3	7356	33.87	2.45	36.32	54.00	-17.68	Average	Horizontal
4	7356	46.46	2.45	48.91	74.00	-25.09	Peak	Horizontal
5	4904	33.10	-0.25	32.85	54.00	-21.15	Average	Vertical
6	4904	47.24	-0.25	46.99	74.00	-27.01	Peak	Vertical
7	7356	33.84	2.45	36.29	54.00	-17.71	Average	Vertical
8	7356	46.83	2.45	49.28	74.00	-24.72	Peak	Vertical

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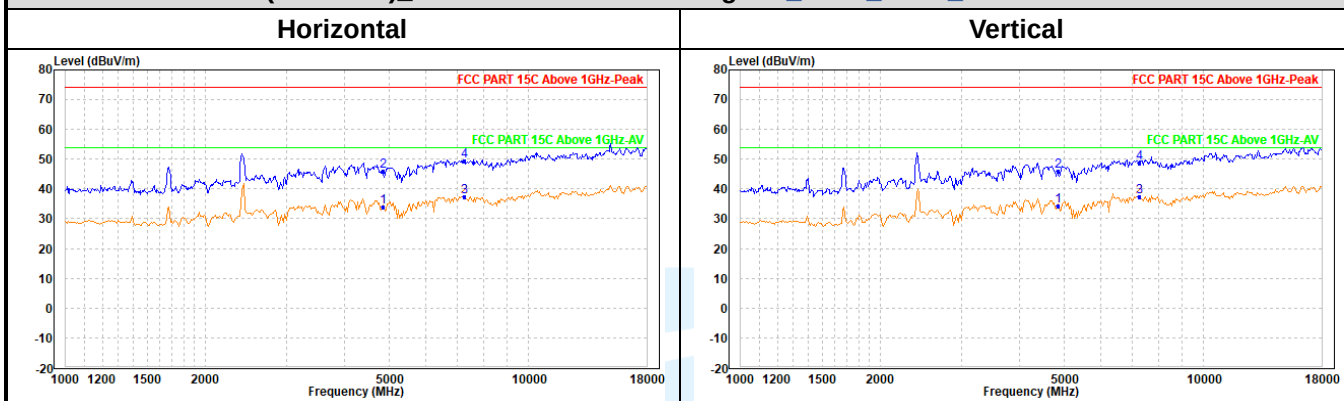
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Radiated Emission (1-18 GHz) Worst test mode test diagram_2.4G_AX40_2422 MHz

Radiated Emission Worst Test Data (Above 18GHz):

No	Freq. (MHz)	Reading (dBμV)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
2.4G_AX40_2422 MHz								
Horizontal Vertical								
1	21798.000	30.62	0.84	31.46	54.00	-22.54	Average	Horizontal
2	21798.000	41.84	0.84	42.68	74.00	-31.32	Peak	Horizontal
3	24220.000	30.88	1.63	32.51	54.00	-21.49	Average	Horizontal
4	24220.000	43.64	1.63	45.27	74.00	-28.73	Peak	Horizontal
5	21798.000	30.68	0.84	31.52	54.00	-22.48	Average	Vertical
6	21798.000	41.68	0.84	42.52	74.00	-31.48	Peak	Vertical
7	24220.000	31.13	1.54	32.67	54.00	-21.33	Average	Vertical
8	24220.000	43.17	1.54	44.71	74.00	-29.29	Peak	Vertical

Remark:

- Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
- Result = Reading + Correct Factor.
- Margin = Result – Limit

5.8 BAND EDGE MEASUREMENTS (RADIATED)

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.205/15.209
RSS-247 Issue 4, Section 6.6

Test Method: ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024
Clause 11.12

Limits:

Radiated emissions which fall in the restricted bands, as defined in section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a).

Frequency	Limit (dBμV/m @3m)	Remark
30 MHz-88 MHz	40.0	Quasi-peak Value
88 MHz-216 MHz	43.5	Quasi-peak Value
216 MHz-960 MHz	46.0	Quasi-peak Value
960 MHz-1 GHz	54.0	Quasi-peak Value
Above 1 GHz	54.0	Average Value
	74.0	Peak Value

Test Setup: Refer to section 4.4.1 for details.

Test Procedures:

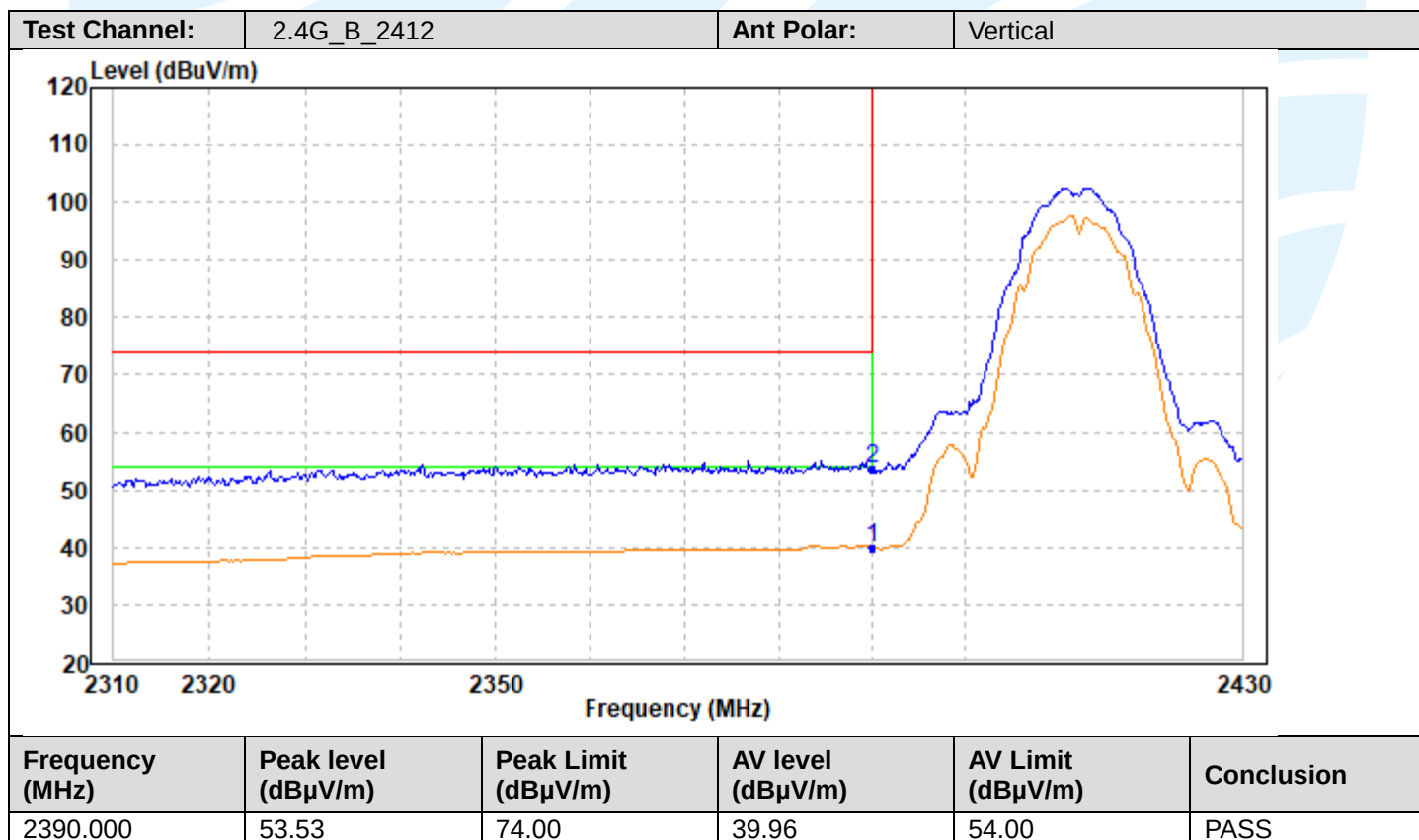
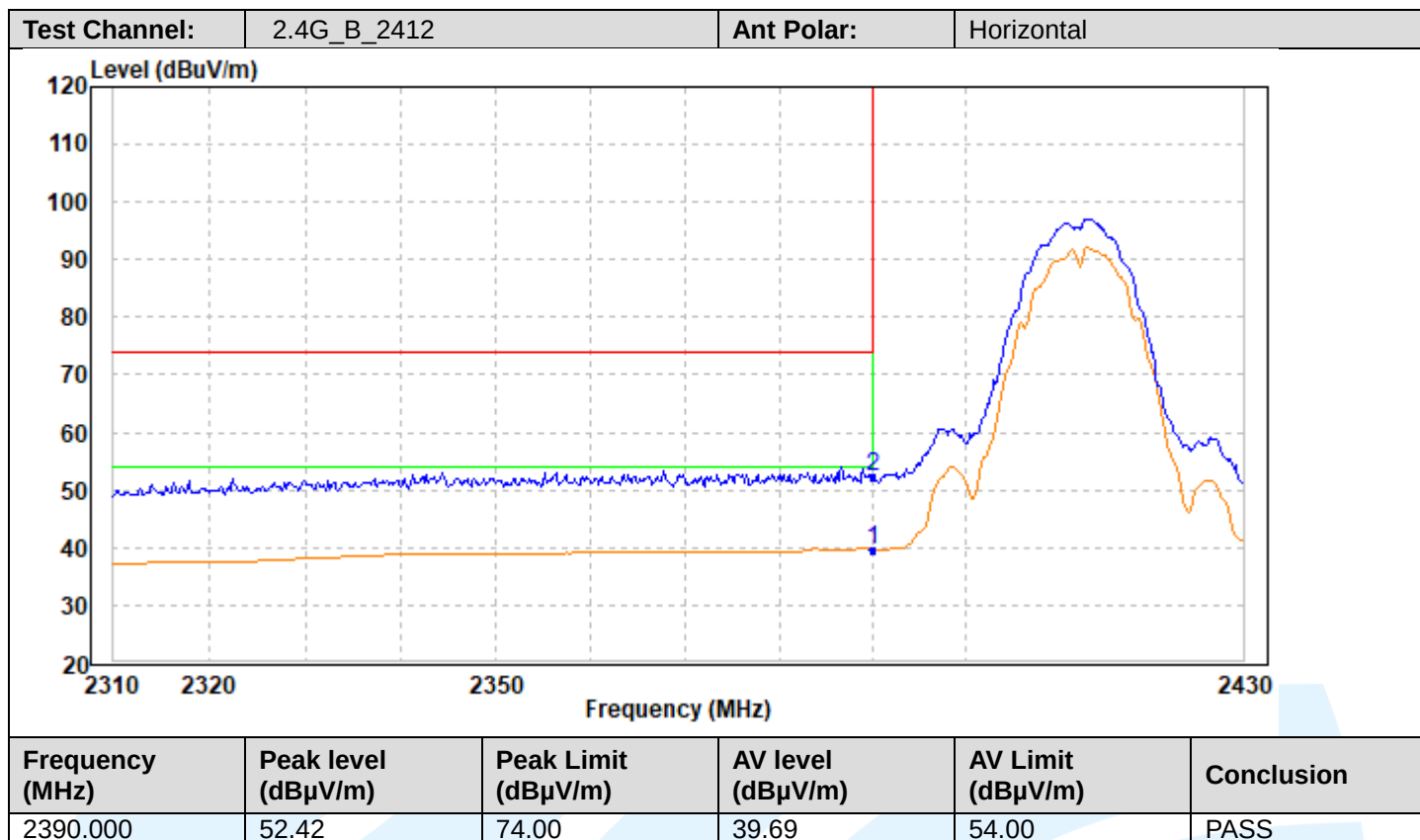
Radiated band edge measurements at 2390 MHz and 2483.5 MHz were made with the unit transmitting in the low end of the channel range and the high end closest to the restricted bands respectively. The emissions were made on the 966 Semi-Chamber. Use (resolution bandwidth (RBW) = 1 MHz, video bandwidth (VBW) = 3 MHz for peak levels and RBW = 1 MHz and VBW = 10 Hz or 1/T for average levels).

1. Use radiated spurious emission test procedure described in clause 5.10. The transmitter output (antenna port) was connected to the test receiver.
2. Set the PK and AV limit line.
3. Record the fundamental emission and emissions out of the band-edge.
4. Determine band-edge compliance as required.

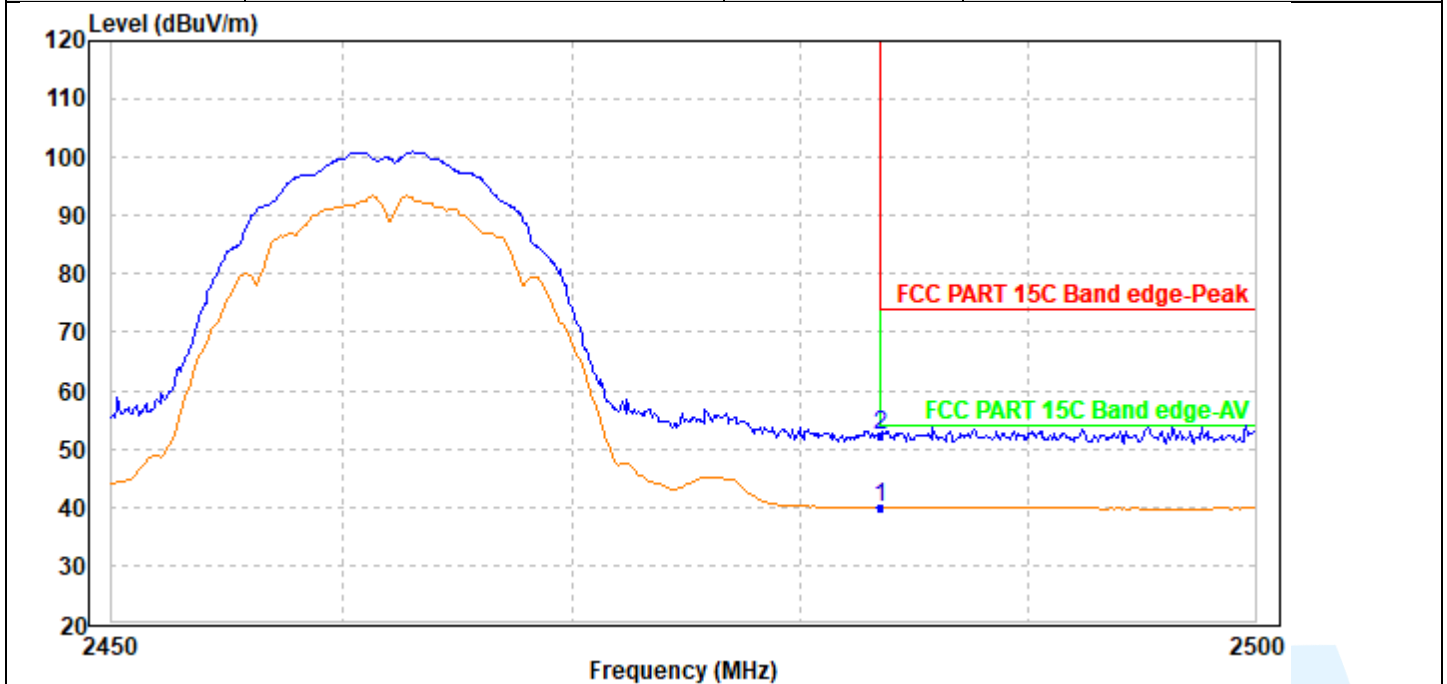
Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

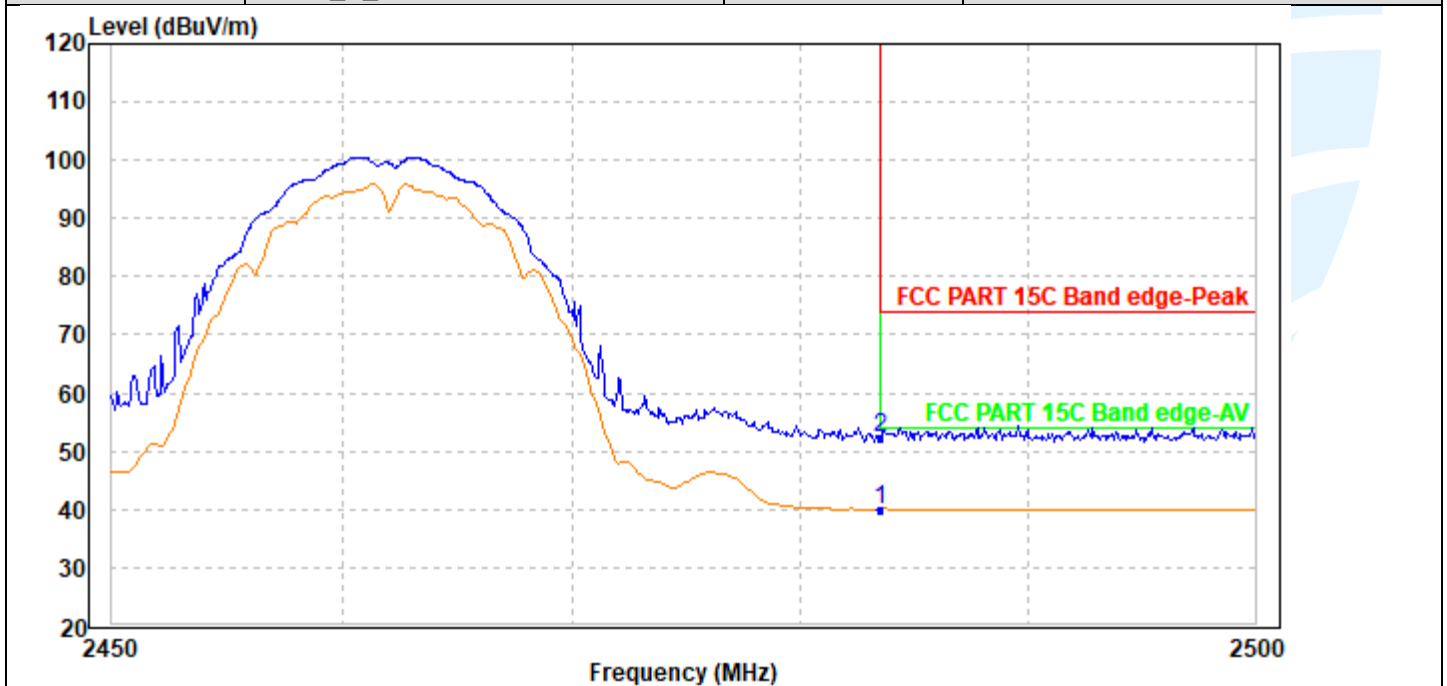


Test Channel:	2.4G_B_2462	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	52.33	74.00	39.99	54.00	PASS

Test Channel:	2.4G_B_2462	Ant Polar:	Vertical
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	52.37	74.00	40.05	54.00	PASS

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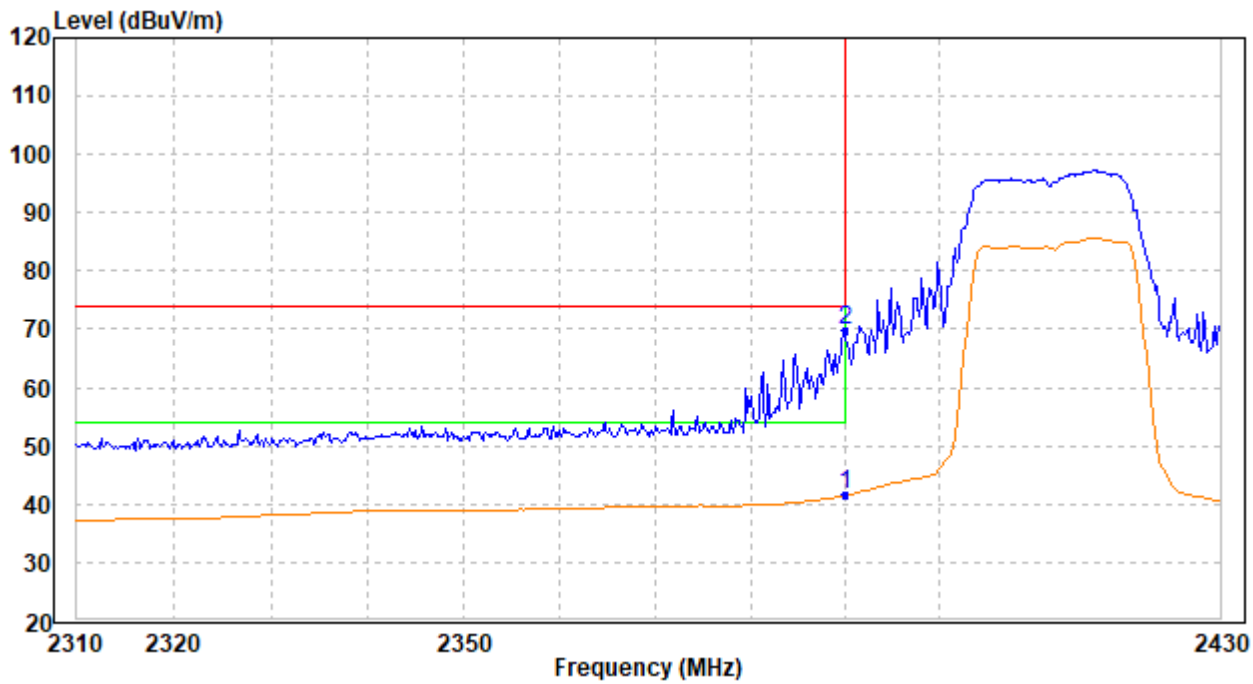
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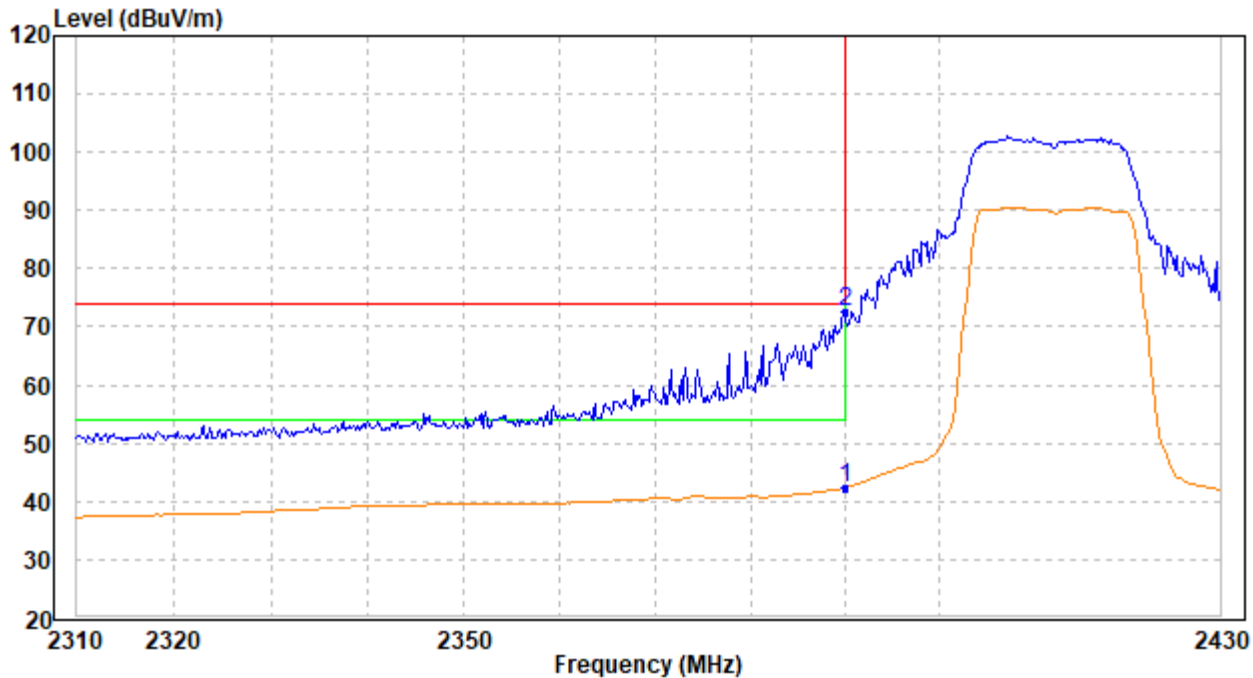
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_G_2412	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2390.000	69.78	74.00	41.56	54.00	PASS

Test Channel:	2.4G_G_2412	Ant Polar:	Vertical
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2390.000	72.62	74.00	42.47	54.00	PASS

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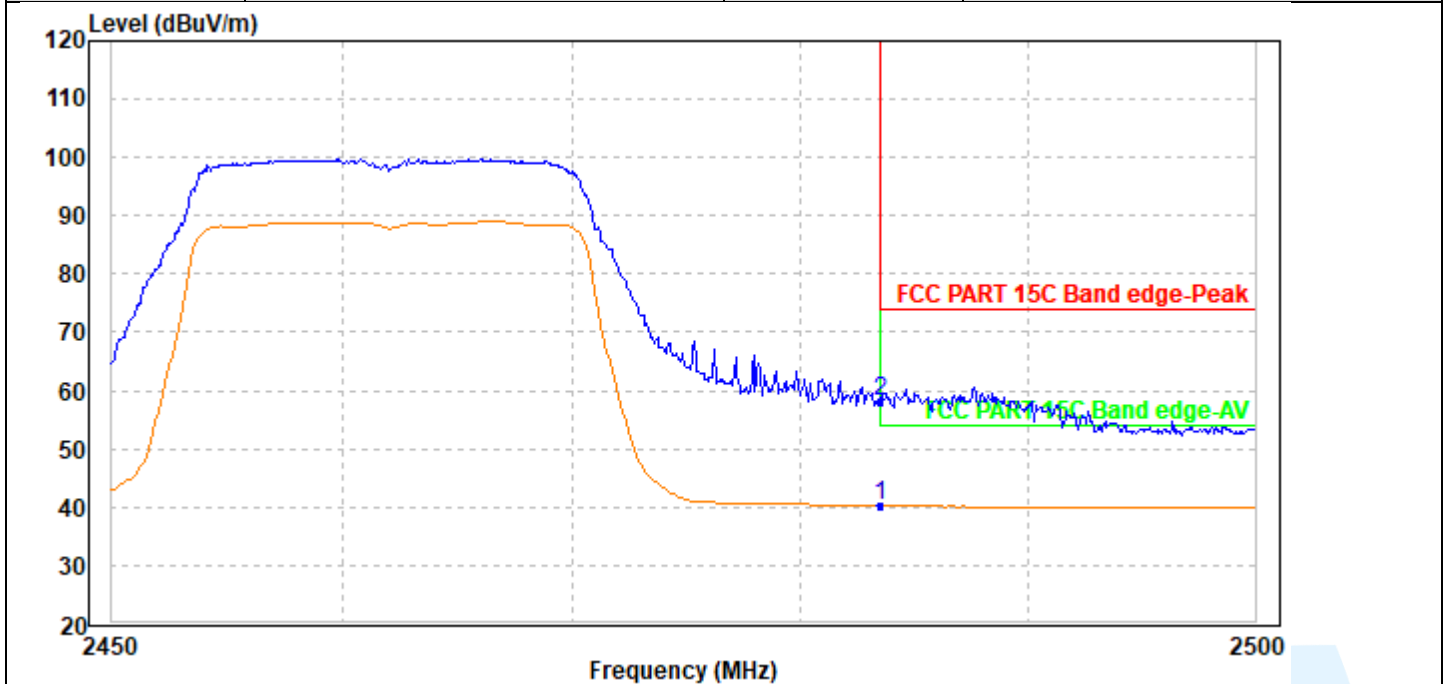
Fax: +86-755-28230886

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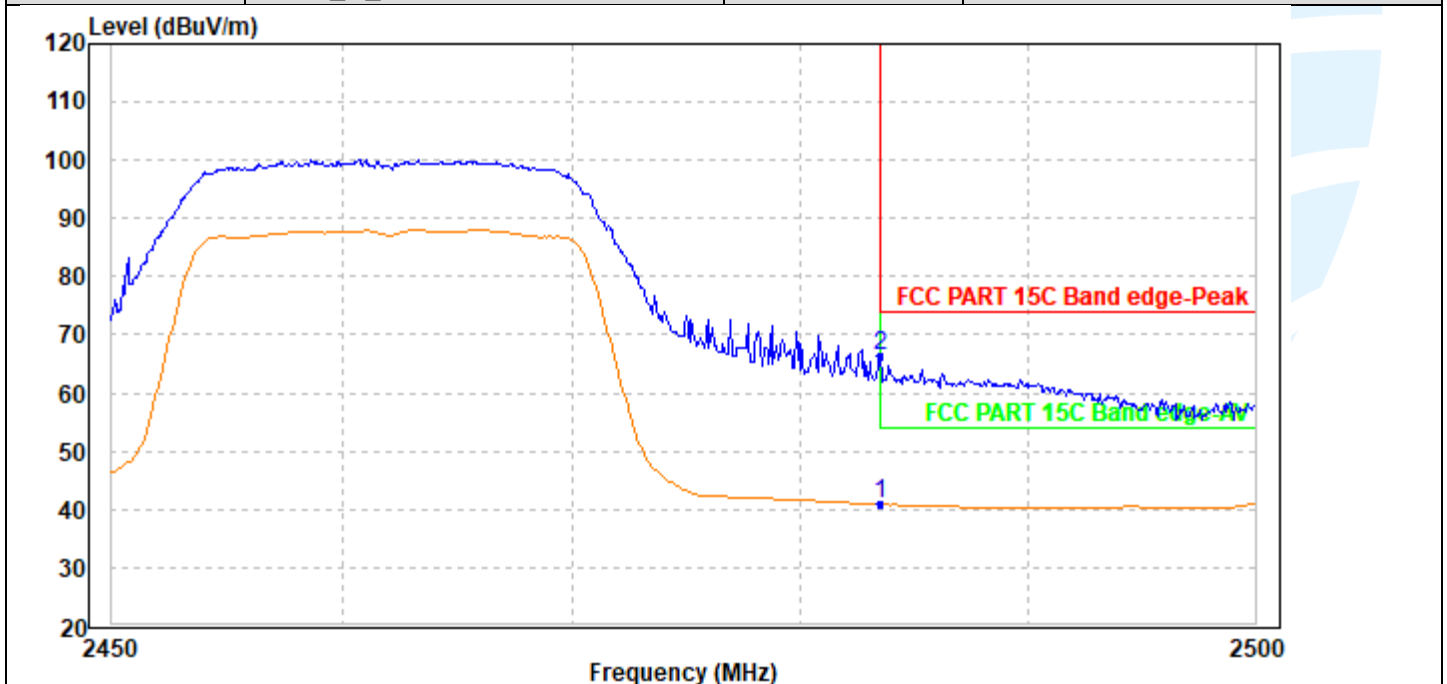
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_G_2462	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	58.13	74.00	40.28	54.00	PASS

Test Channel:	2.4G_G_2462	Ant Polar:	Vertical
---------------	-------------	------------	----------



Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	66.33	74.00	40.83	54.00	PASS

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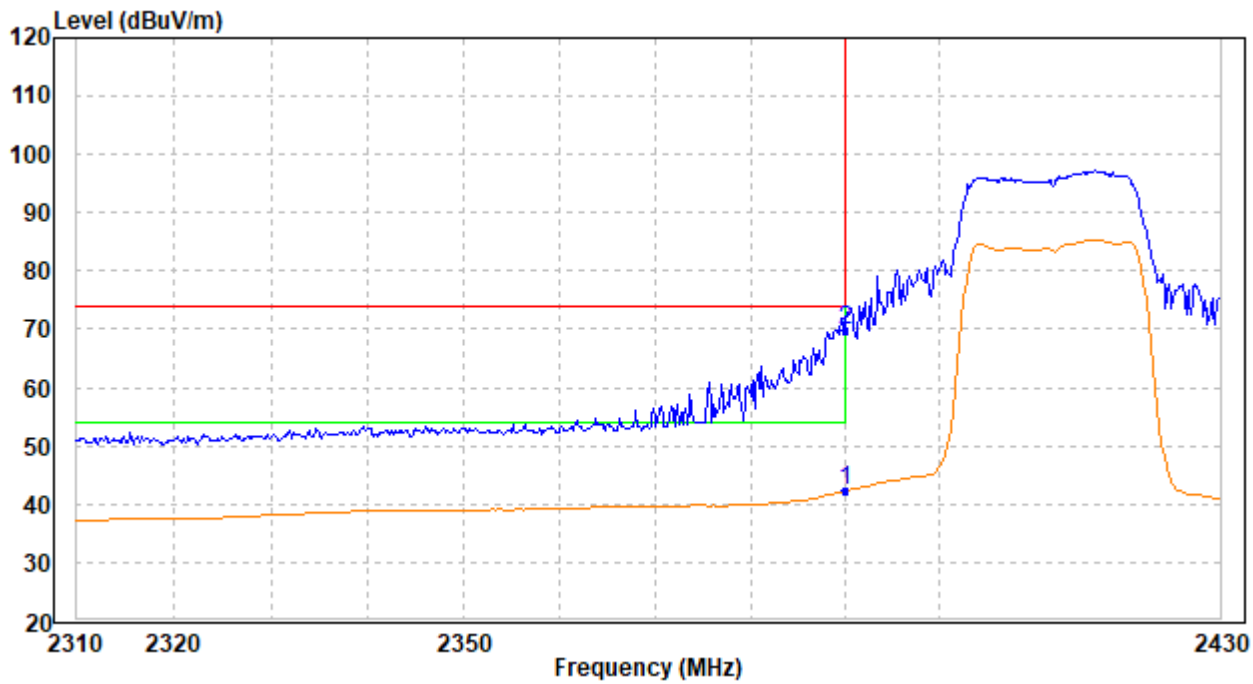
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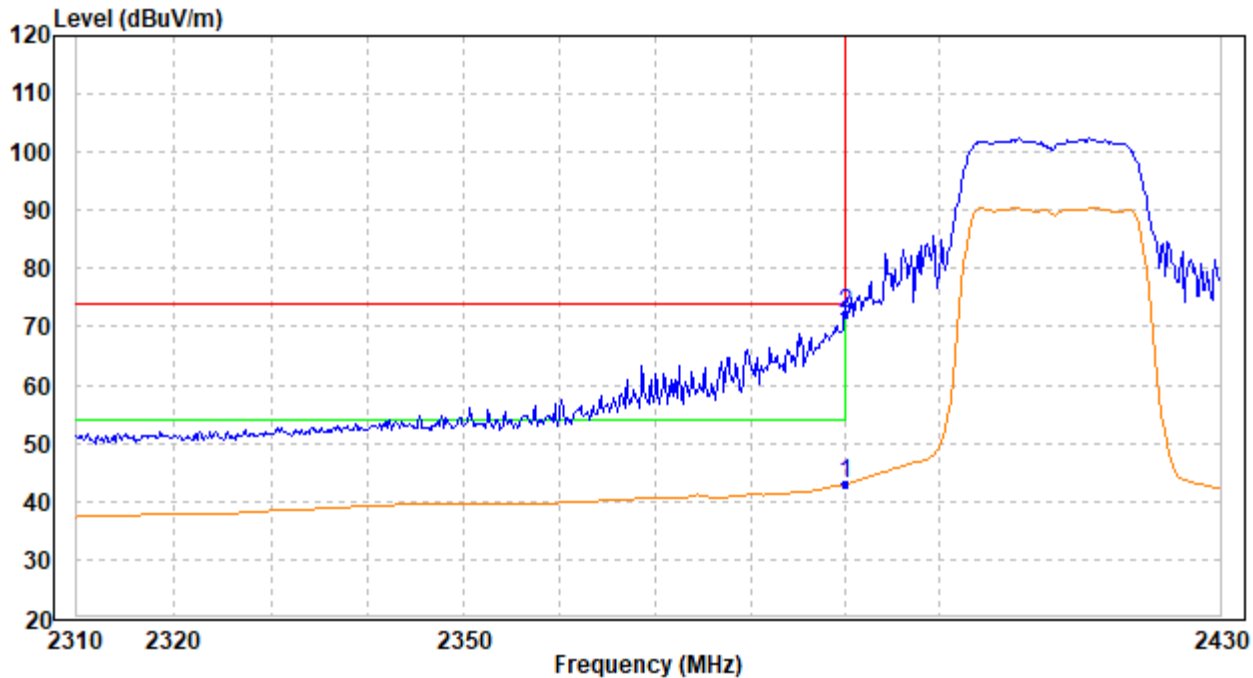
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_N20_2412	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2390.000	69.72	74.00	42.31	54.00	PASS

Test Channel:	2.4G_N20_2412	Ant Polar:	Vertical
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2390.000	72.16	74.00	43.08	54.00	PASS

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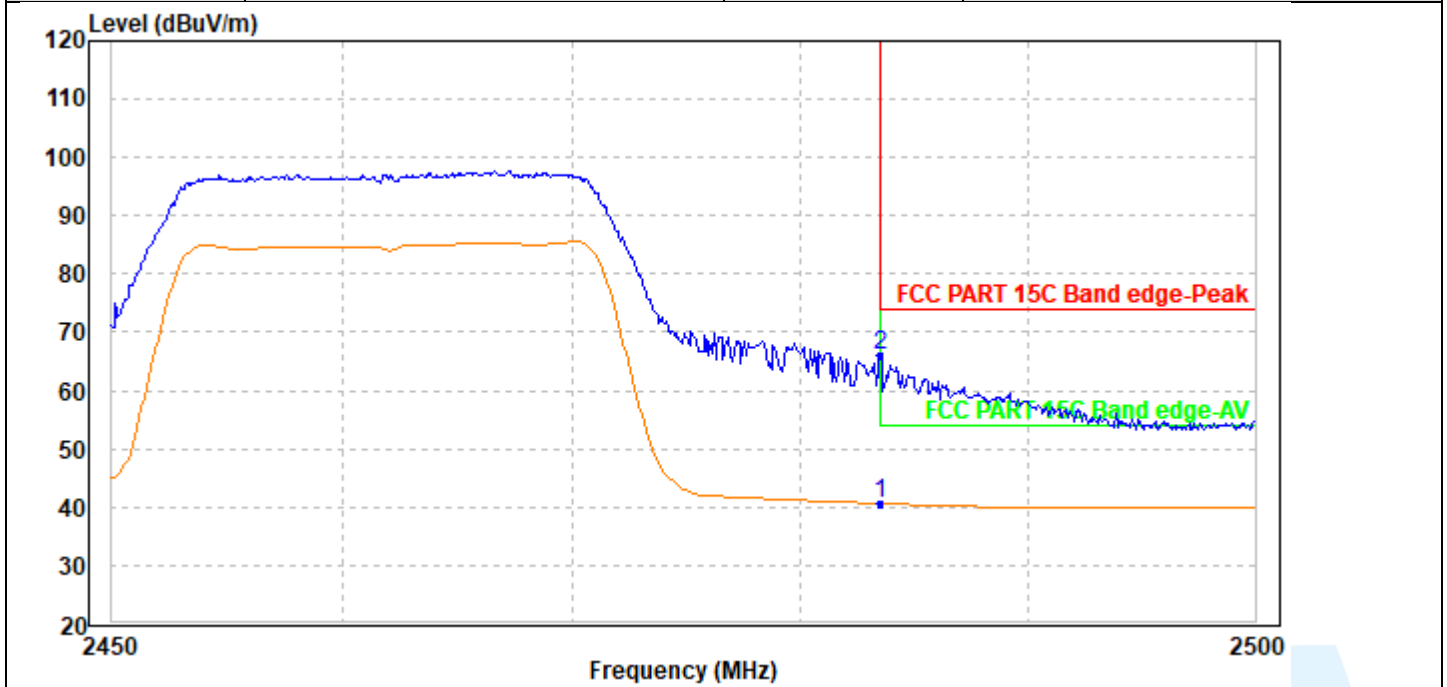
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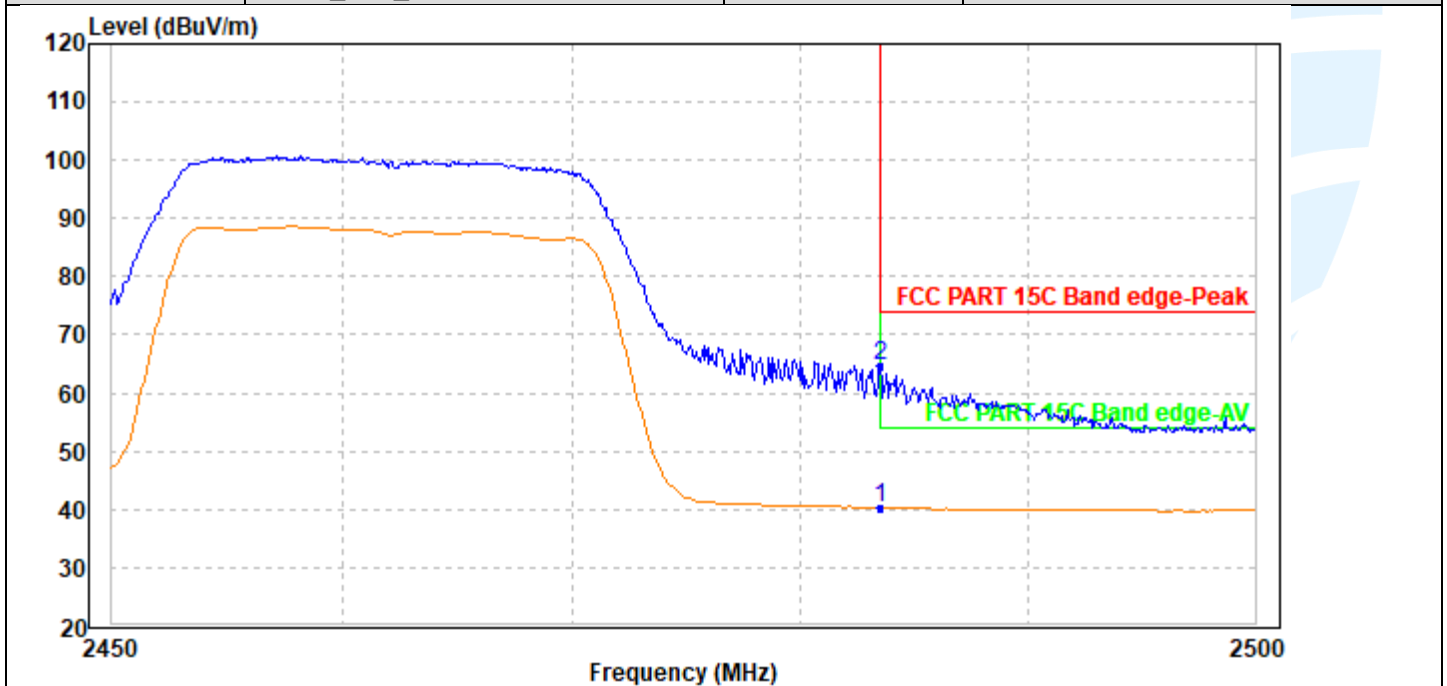
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_N20_2462	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	65.91	74.00	40.64	54.00	PASS

Test Channel:	2.4G_N20_2462	Ant Polar:	Vertical
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	64.51	74.00	40.28	54.00	PASS

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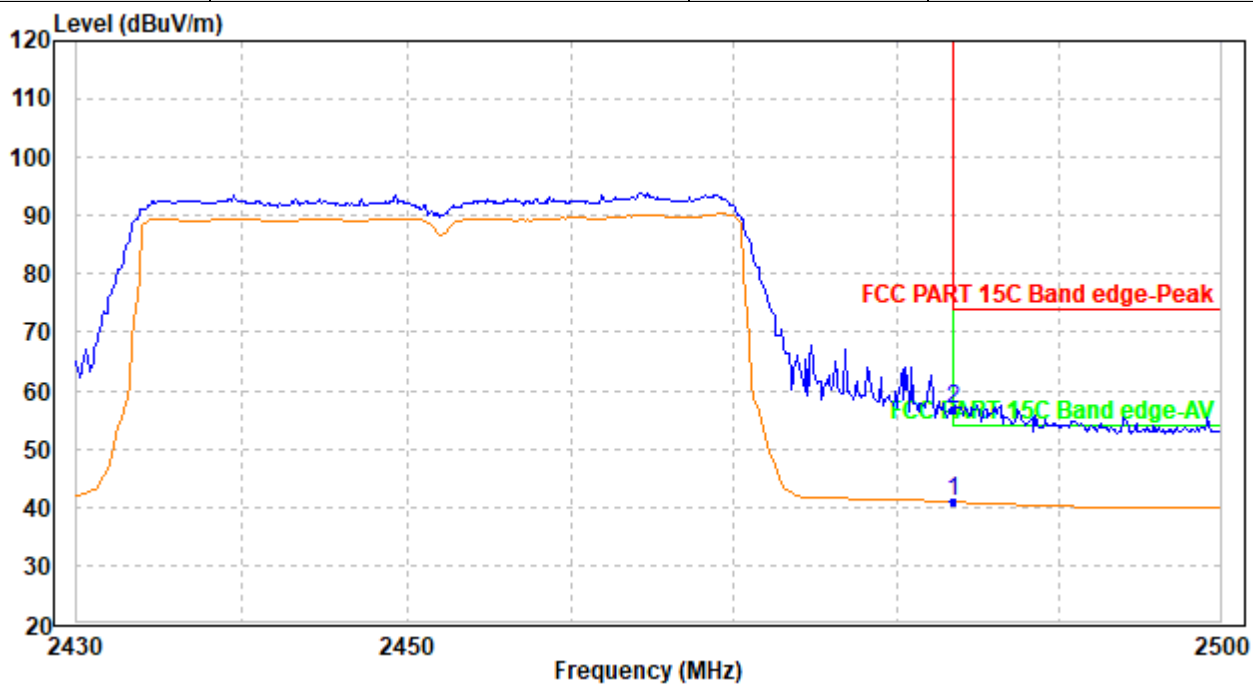
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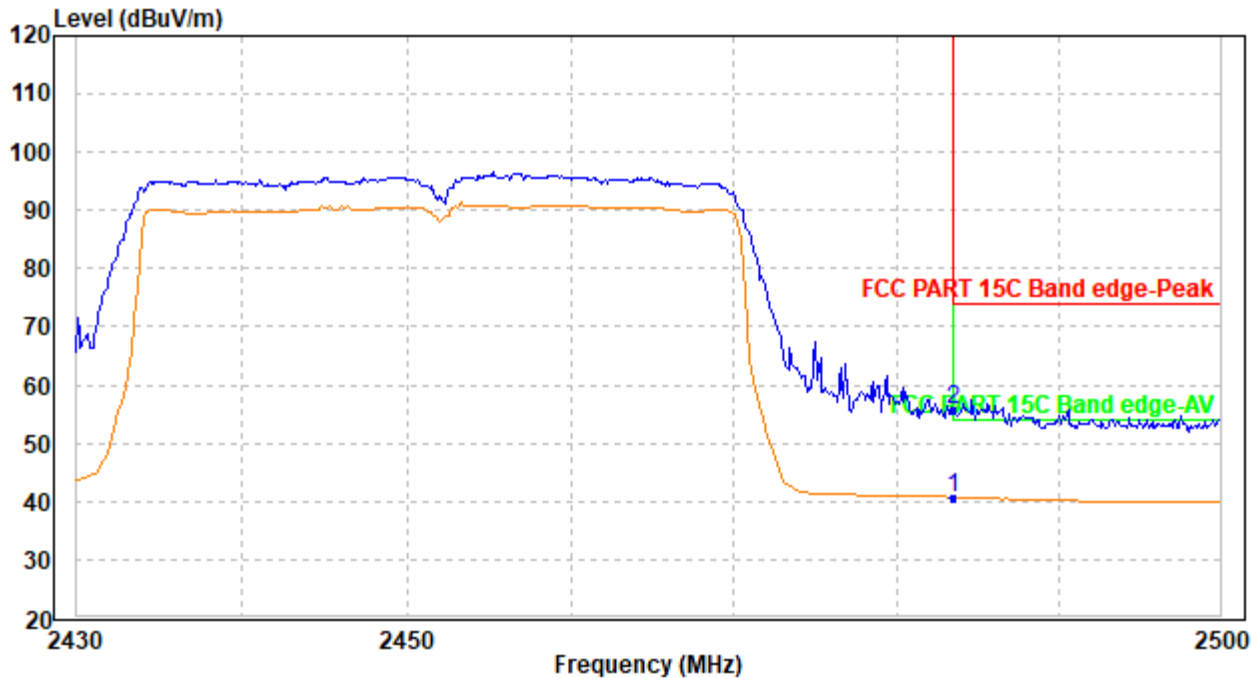
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_N40_2452	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	56.88	74.00	40.91	54.00	PASS

Test Channel:	2.4G_N40_2452	Ant Polar:	Vertical
---------------	---------------	------------	----------



Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	55.68	74.00	40.76	54.00	PASS

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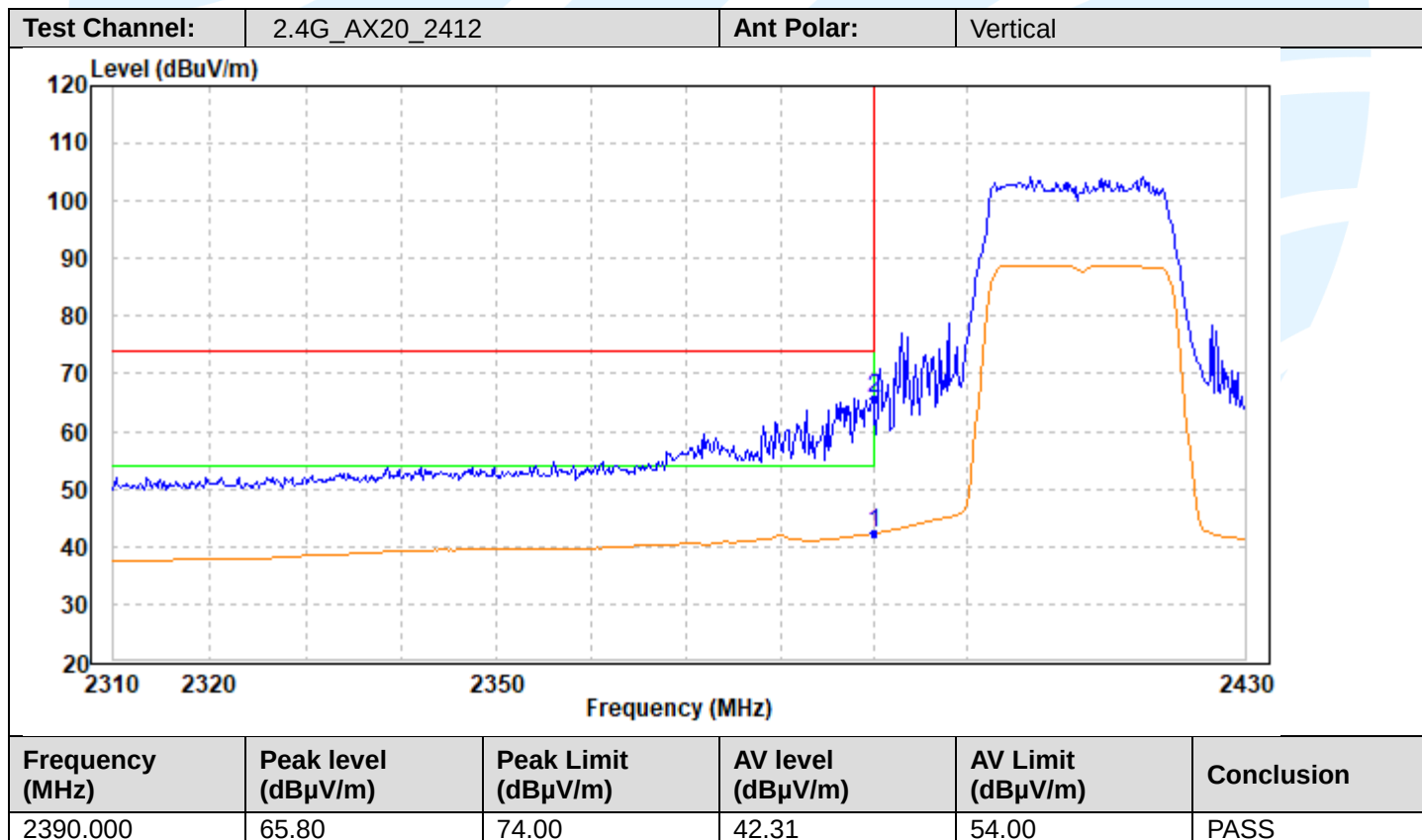
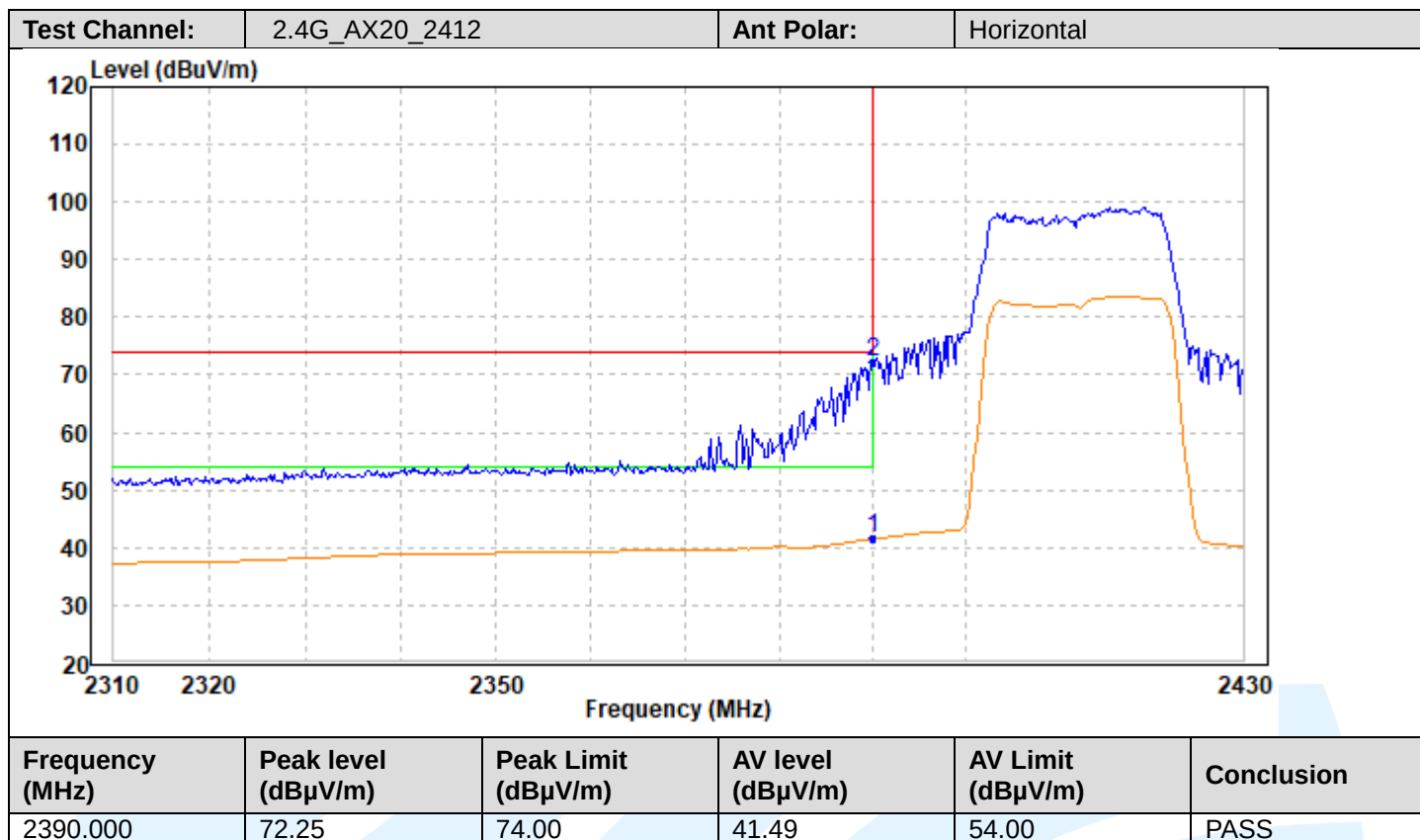
Tel: +86-755-28230888

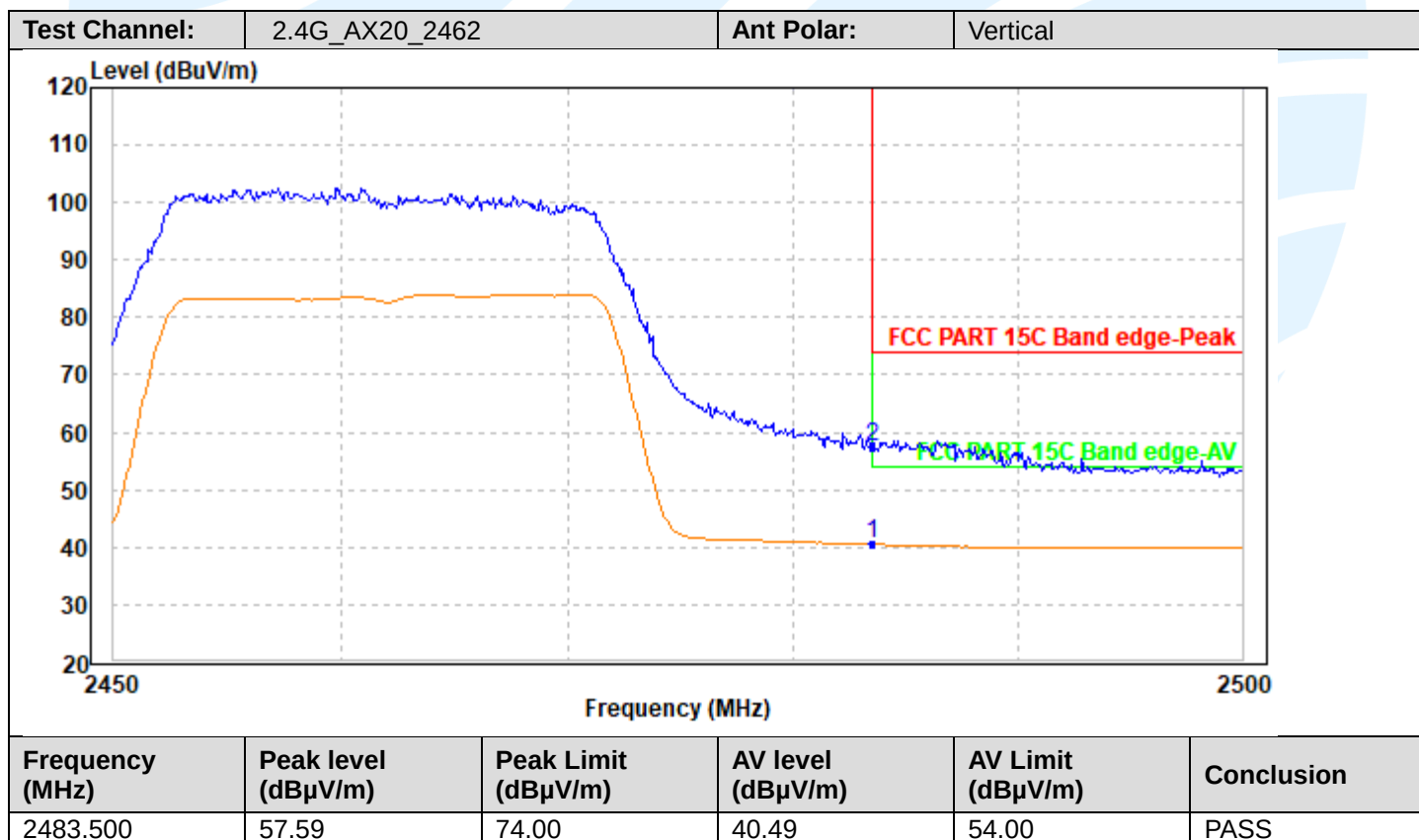
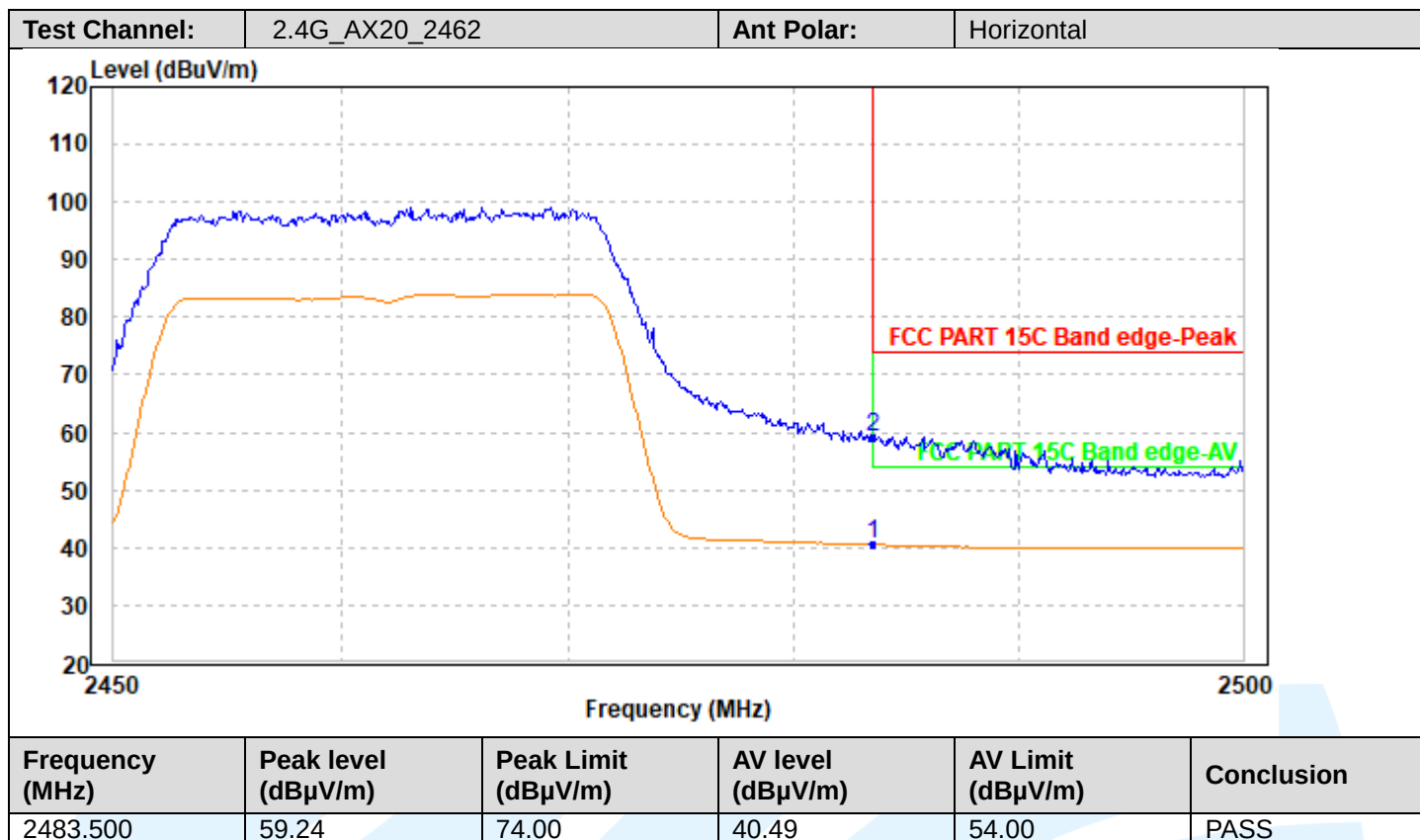
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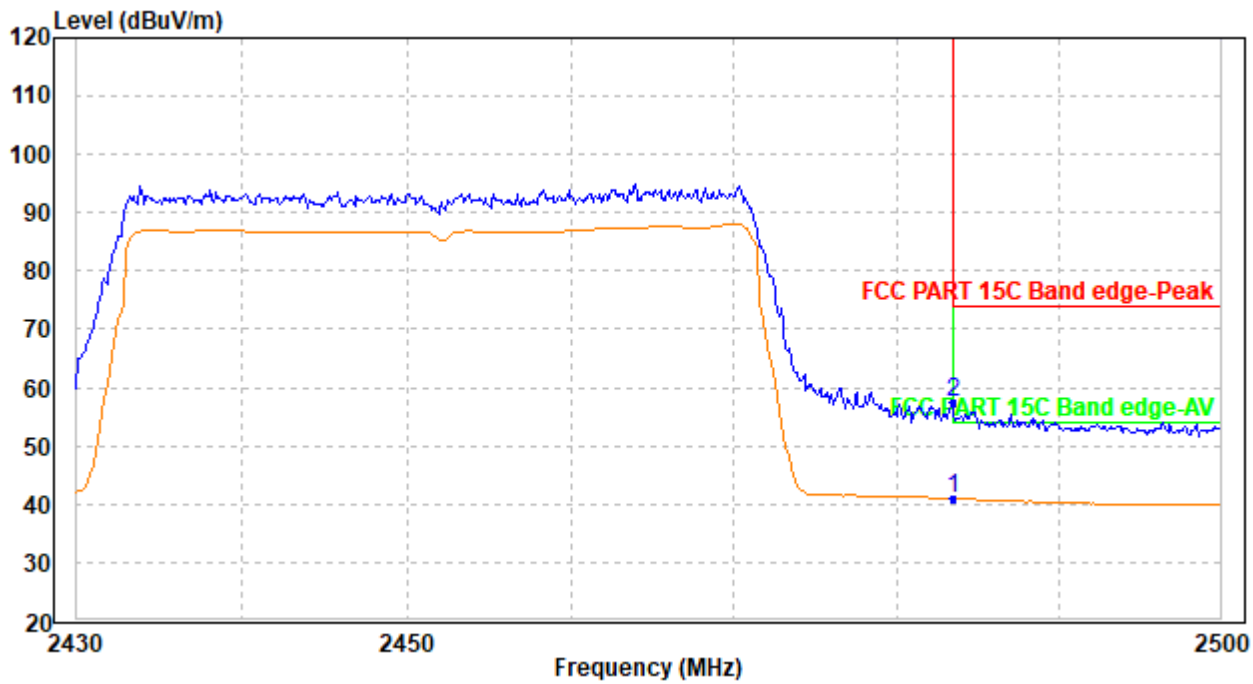
UTTR-RF-RSS247-V1.1





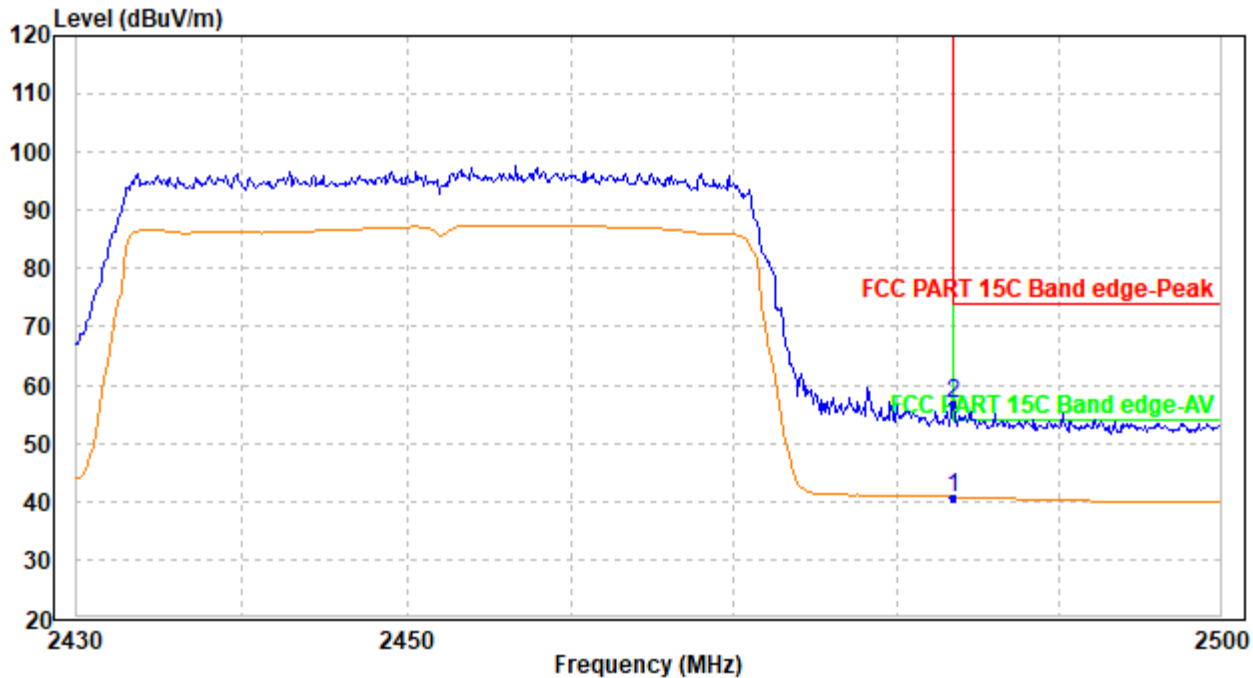
UTTR-RF-RSS247-V1.1

Test Channel:	2.4G_AX40_2452	Ant Polar:	Horizontal
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Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	57.39	74.00	40.96	54.00	PASS

Test Channel:	2.4G_AX40_2452	Ant Polar:	Vertical
---------------	----------------	------------	----------



Frequency (MHz)	Peak level (dBuV/m)	Peak Limit (dBuV/m)	AV level (dBuV/m)	AV Limit (dBuV/m)	Conclusion
2483.500	56.92	74.00	40.78	54.00	PASS

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5.9 CONDUCTED EMISSION

Test Requirement: 47 CFR Part 15C Section 15.207
RSS-Gen Issue 6, Section 6.2

Test Method: ANSI C63.10-2020 + COR. 1-2023 + C63.10A-2024 + ERRATA TO C63.10A-2024
Section 6.2

Limits:

Frequency range (MHz)	Limits (dB(μV))	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Remark:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Setup: Refer to section 4.4.2 for details.

Test Procedures:

Test frequency range :150KHz-30MHz

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Equipment Used: Refer to section 3 for details.

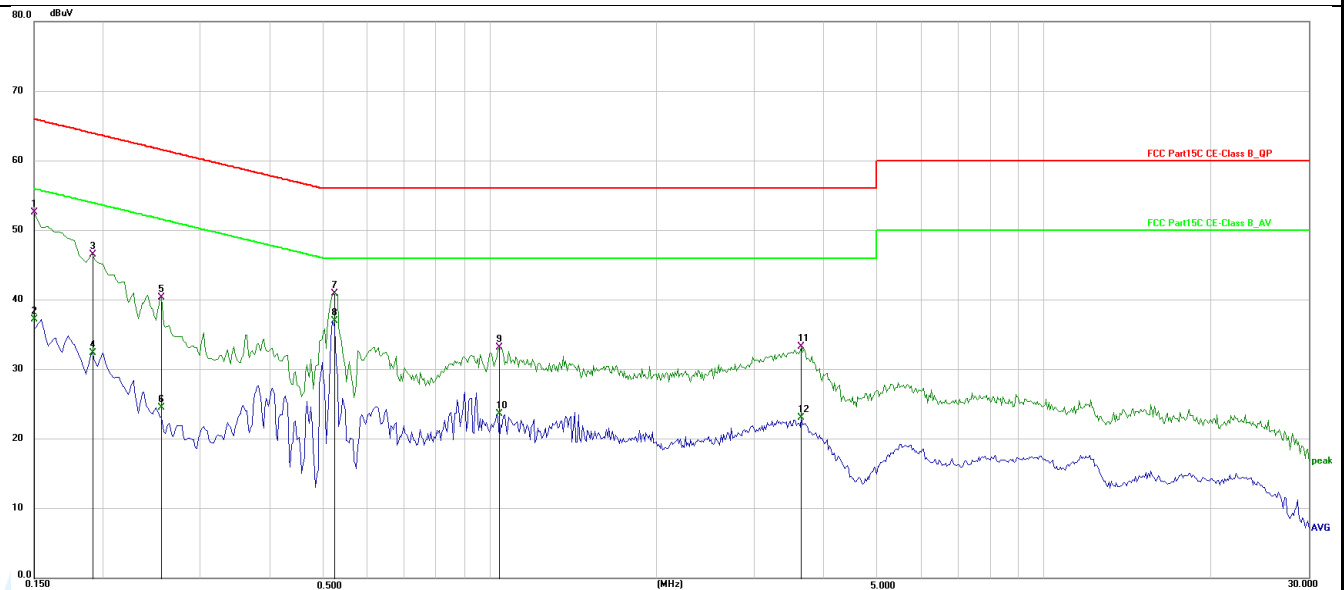
Test Result: Pass

The worst measurement data as follows:

Quasi Peak and Average:

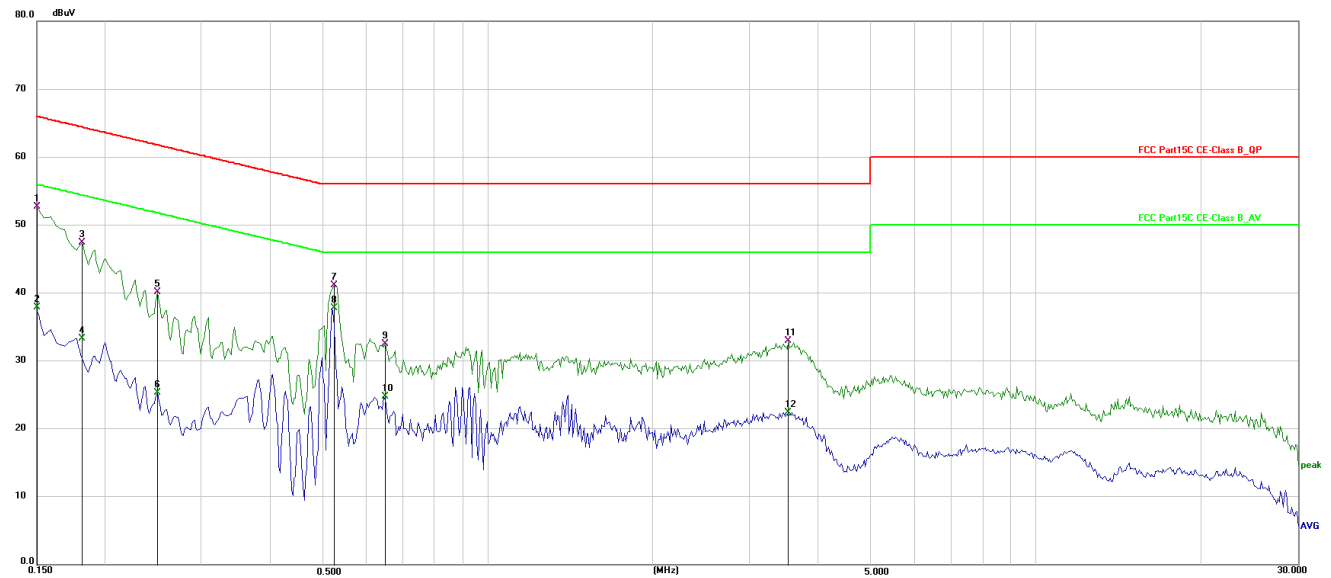
Mode: WIFI Link

Live Line



No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.1500	42.28	10.31	52.59	66.00	-13.41	QP
2	0.1500	26.87	10.31	37.18	56.00	-18.82	AVG
3	0.1905	36.24	10.28	46.52	64.01	-17.49	QP
4	0.1905	22.10	10.28	32.38	54.01	-21.63	AVG
5	0.2535	30.08	10.26	40.34	61.64	-21.30	QP
6	0.2535	14.21	10.26	24.47	51.64	-27.17	AVG
7	0.5234	30.75	10.20	40.95	56.00	-15.05	QP
8	0.5234	26.82	10.20	37.02	46.00	-8.98	AVG
9	1.0410	23.03	10.18	33.21	56.00	-22.79	QP
10	1.0410	13.40	10.18	23.58	46.00	-22.42	AVG
11	3.6600	23.13	10.14	33.27	56.00	-22.73	QP
12	3.6600	12.94	10.14	23.08	46.00	-22.92	AVG

Neutral Line



No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.1500	42.37	10.30	52.67	66.00	-13.33	QP
2	0.1500	27.57	10.30	37.87	56.00	-18.13	AVG
3	0.1814	37.13	10.28	47.41	64.42	-17.01	QP
4	0.1814	22.97	10.28	33.25	54.42	-21.17	AVG
5	0.2490	29.92	10.24	40.16	61.79	-21.63	QP
6	0.2490	15.09	10.24	25.33	51.79	-26.46	AVG
7	0.5234	30.93	10.19	41.12	56.00	-14.88	QP
8	0.5234	27.54	10.19	37.73	46.00	-8.27	AVG
9	0.6493	22.29	10.20	32.49	56.00	-23.51	QP
10	0.6493	14.57	10.20	24.77	46.00	-21.23	AVG
11	3.5430	22.77	10.13	32.90	56.00	-23.10	QP
12	3.5430	12.30	10.13	22.43	46.00	-23.57	AVG

Remark:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit
4. An initial pre-scan was performed on the Phase and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

APPENDIX A RF TEST DATA

A.1 CONDUCTED OUTPUT POWER

Test Result Average

Test Mode	Ant.	Freq. [MHz]	Set Power	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	13	15.94	≤30.00	0.3	16.24	≤36.00	PASS
11B	Ant1	2437	13	16.01	≤30.00	0.3	16.31	≤36.00	PASS
11B	Ant1	2462	13	15.45	≤30.00	0.3	15.75	≤36.00	PASS
11G	Ant1	2412	15	14.65	≤30.00	0.3	14.95	≤36.00	PASS
11G	Ant1	2437	15	14.87	≤30.00	0.3	15.17	≤36.00	PASS
11G	Ant1	2462	15	14.67	≤30.00	0.3	14.97	≤36.00	PASS
11N20SISO	Ant1	2412	15	14.62	≤30.00	0.3	14.92	≤36.00	PASS
11N20SISO	Ant1	2437	15	14.83	≤30.00	0.3	15.13	≤36.00	PASS
11N20SISO	Ant1	2462	15	14.62	≤30.00	0.3	14.92	≤36.00	PASS
11N40SISO	Ant1	2422	14	13.12	≤30.00	0.3	13.42	≤36.00	PASS
11N40SISO	Ant1	2437	12	13.03	≤30.00	0.3	13.33	≤36.00	PASS
11N40SISO	Ant1	2452	13	13.58	≤30.00	0.3	13.88	≤36.00	PASS
11AX20SISO	Ant1	2412	14	13.57	≤30.00	0.3	13.87	≤36.00	PASS
11AX20SISO	Ant1	2437	14	13.60	≤30.00	0.3	13.90	≤36.00	PASS
11AX20SISO	Ant1	2462	14	13.52	≤30.00	0.3	13.82	≤36.00	PASS
11AX40SISO	Ant1	2422	14	13.08	≤30.00	0.3	13.38	≤36.00	PASS
11AX40SISO	Ant1	2437	12	12.99	≤30.00	0.3	13.29	≤36.00	PASS
11AX40SISO	Ant1	2452	12	12.04	≤30.00	0.3	12.34	≤36.00	PASS

Test Mode	Ant.	Freq. [MHz]	Set Power	Ru Size	Ru Index	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20SISO	Ant1	2412	5	26Tone	RU0	4.50	≤30.00	0.3	4.80	≤36.00	PASS
11AX20SISO	Ant1	2412	8	52Tone	RU37	7.78	≤30.00	0.3	8.08	≤36.00	PASS
11AX20SISO	Ant1	2412	11	106Tone	RU53	11.51	≤30.00	0.3	11.81	≤36.00	PASS
11AX20SISO	Ant1	2437	5	26Tone	RU4	4.42	≤30.00	0.3	4.72	≤36.00	PASS
11AX20SISO	Ant1	2437	8	52Tone	RU39	7.98	≤30.00	0.3	8.28	≤36.00	PASS
11AX20SISO	Ant1	2437	11	106Tone	RU54	11.32	≤30.00	0.3	11.62	≤36.00	PASS
11AX20SISO	Ant1	2462	5	26Tone	RU8	4.01	≤30.00	0.3	4.31	≤36.00	PASS
11AX20SISO	Ant1	2462	8	52Tone	RU40	7.33	≤30.00	0.3	7.63	≤36.00	PASS
11AX20SISO	Ant1	2462	11	106Tone	RU54	10.39	≤30.00	0.3	10.69	≤36.00	PASS

Test Result Peak

Test Mode	Ant.	Freq. [MHz]	Set Power	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	13	19.19	≤30.00	0.3	19.49	≤36.00	PASS
11B	Ant1	2437	13	19.16	≤30.00	0.3	19.46	≤36.00	PASS
11B	Ant1	2462	13	18.83	≤30.00	0.3	19.13	≤36.00	PASS
11G	Ant1	2412	15	22.21	≤30.00	0.3	22.51	≤36.00	PASS
11G	Ant1	2437	15	22.01	≤30.00	0.3	22.31	≤36.00	PASS
11G	Ant1	2462	15	21.87	≤30.00	0.3	22.17	≤36.00	PASS
11N20SISO	Ant1	2412	15	22.38	≤30.00	0.3	22.68	≤36.00	PASS
11N20SISO	Ant1	2437	15	22.12	≤30.00	0.3	22.42	≤36.00	PASS
11N20SISO	Ant1	2462	15	22.00	≤30.00	0.3	22.30	≤36.00	PASS
11N40SISO	Ant1	2422	14	20.43	≤30.00	0.3	20.73	≤36.00	PASS
11N40SISO	Ant1	2437	12	19.98	≤30.00	0.3	20.28	≤36.00	PASS
11N40SISO	Ant1	2452	13	20.76	≤30.00	0.3	21.06	≤36.00	PASS
11AX20SISO	Ant1	2412	14	21.48	≤30.00	0.3	21.78	≤36.00	PASS
11AX20SISO	Ant1	2437	14	21.55	≤30.00	0.3	21.85	≤36.00	PASS
11AX20SISO	Ant1	2462	14	21.58	≤30.00	0.3	21.88	≤36.00	PASS
11AX40SISO	Ant1	2422	14	20.46	≤30.00	0.3	20.76	≤36.00	PASS
11AX40SISO	Ant1	2437	12	20.03	≤30.00	0.3	20.33	≤36.00	PASS
11AX40SISO	Ant1	2452	12	19.36	≤30.00	0.3	19.66	≤36.00	PASS

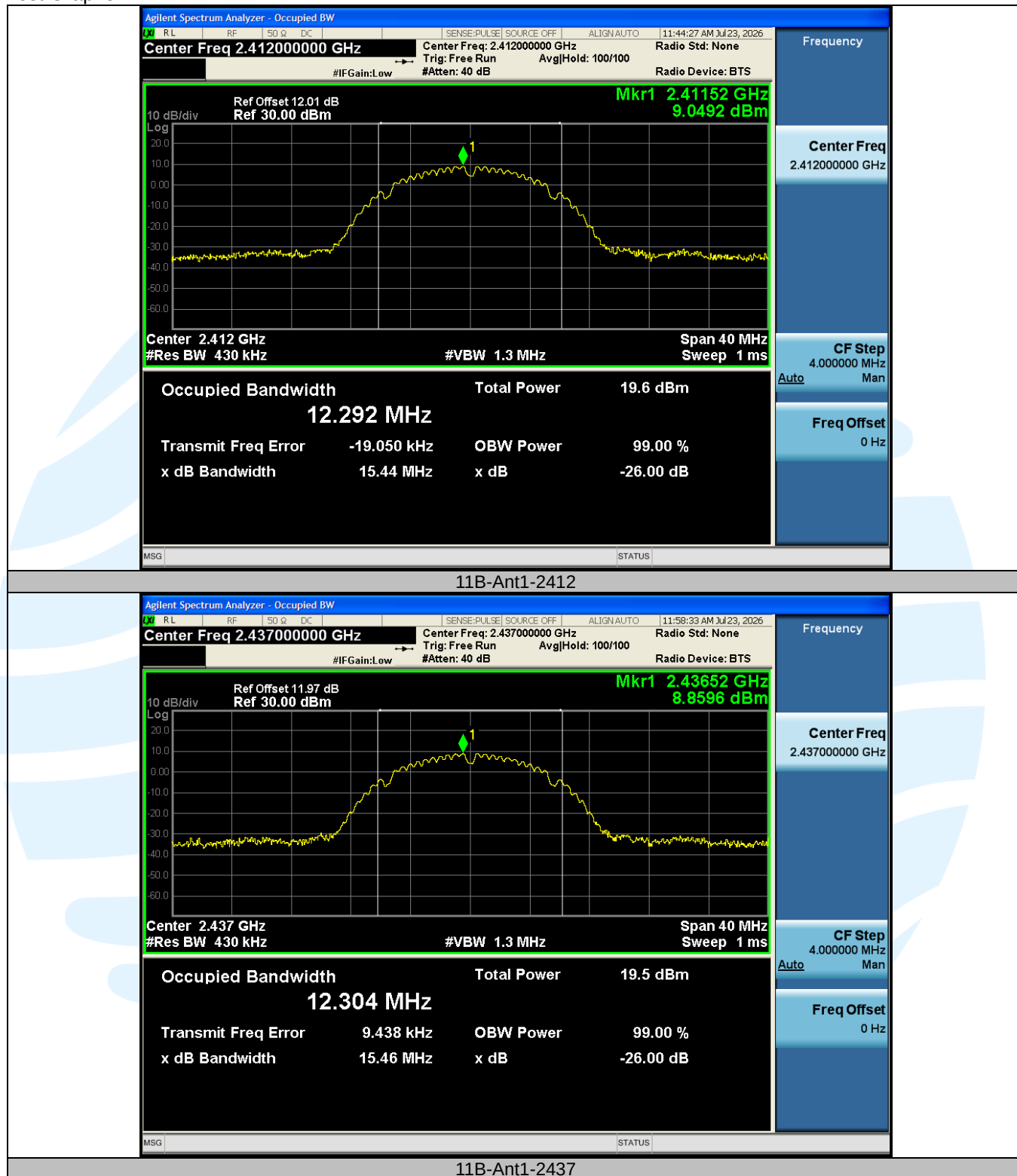
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11AX20SISO	Ant1	2412	26Tone	RU0	5	17.64	≤30.00	0.3	17.94	≤36.00	PASS
11AX20SISO	Ant1	2412	52Tone	RU37	8	20.33	≤30.00	0.3	20.63	≤36.00	PASS
11AX20SISO	Ant1	2412	106Tone	RU53	11	21.42	≤30.00	0.3	22.82	≤36.00	PASS
11AX20SISO	Ant1	2437	26Tone	RU4	5	17.80	≤30.00	0.3	18.10	≤36.00	PASS
11AX20SISO	Ant1	2437	52Tone	RU39	8	20.38	≤30.00	0.3	20.68	≤36.00	PASS
11AX20SISO	Ant1	2437	106Tone	RU54	11	21.46	≤30.00	0.3	22.96	≤36.00	PASS
11AX20SISO	Ant1	2462	26Tone	RU8	5	17.30	≤30.00	0.3	17.60	≤36.00	PASS
11AX20SISO	Ant1	2462	52Tone	RU40	8	20.03	≤30.00	0.3	20.33	≤36.00	PASS
11AX20SISO	Ant1	2462	106Tone	RU54	11	21.35	≤30.00	0.3	22.65	≤36.00	PASS

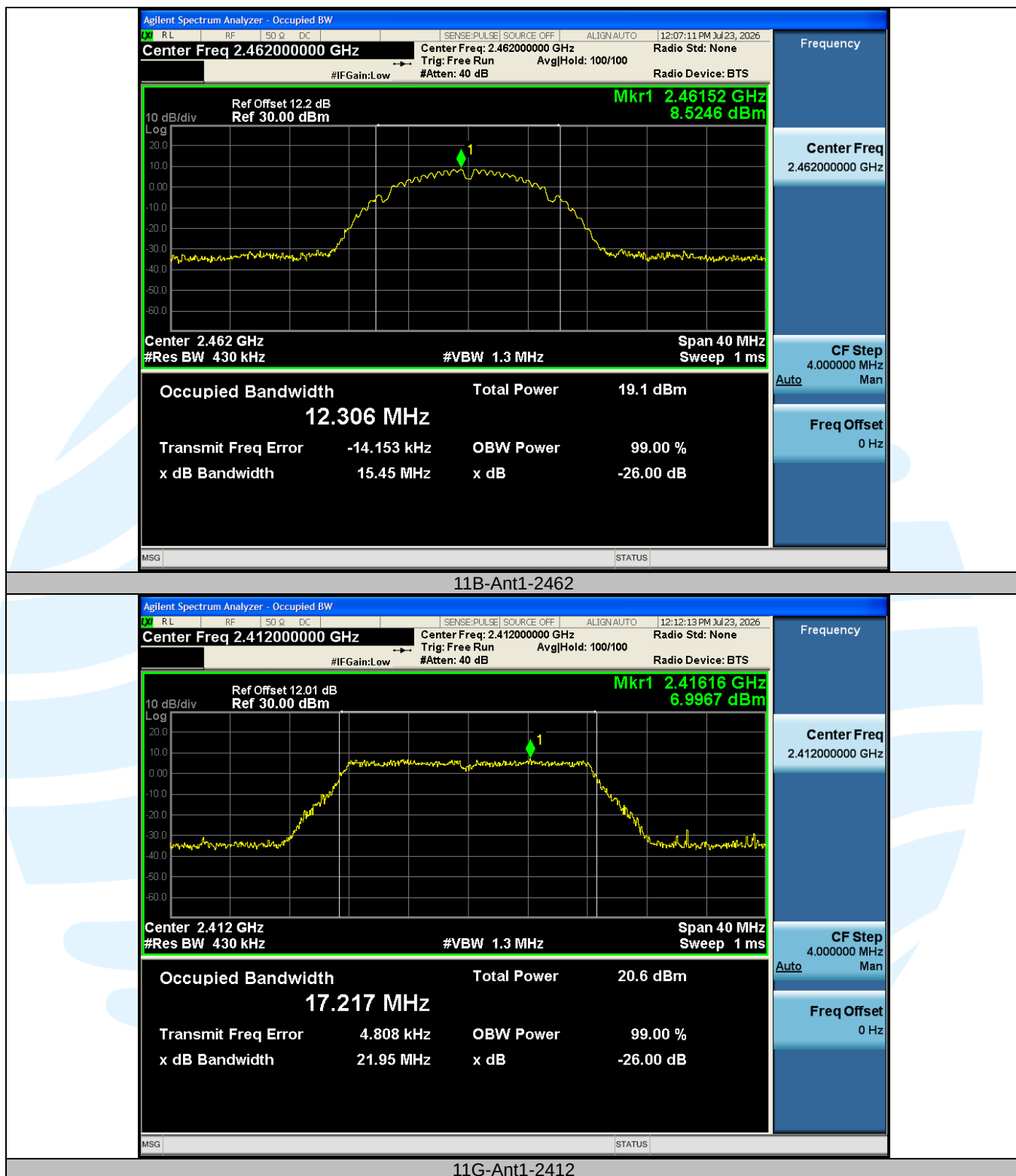
A.2 99% BANDWIDTH

Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]
11B	Ant1	2412	12.292	2405.8350	2418.1270
11B	Ant1	2437	12.304	2430.8574	2443.1614
11B	Ant1	2462	12.306	2455.8329	2468.1389
11G	Ant1	2412	17.217	2403.3963	2420.6133
11G	Ant1	2437	17.198	2428.3974	2445.5954
11G	Ant1	2462	17.165	2453.4009	2470.5659
11N20SISO	Ant1	2412	18.280	2402.8744	2421.1544
11N20SISO	Ant1	2437	18.280	2427.8685	2446.1485
11N20SISO	Ant1	2462	18.262	2453.0345	2471.2965
11N40SISO	Ant1	2422	36.774	2403.6249	2440.3989
11N40SISO	Ant1	2437	36.778	2418.6251	2455.4031
11N40SISO	Ant1	2452	36.708	2433.6555	2470.3635
11AX20SISO	Ant1	2412	19.301	2402.3358	2421.6368
11AX20SISO	Ant1	2437	19.317	2427.3985	2446.7155
11AX20SISO	Ant1	2462	19.218	2452.3969	2471.6149
11AX40SISO	Ant1	2422	38.100	2402.9991	2441.0991
11AX40SISO	Ant1	2437	38.100	2417.9519	2456.0519
11AX40SISO	Ant1	2452	38.076	2433.0089	2471.0849

Test Mode	Ant.	Freq. [MHz]	Ru Size	Ru Index	[MHz]	FL [MHz]	FH [MHz]
11AX20SISO	Ant1	2412	26Tone	RU0	18.735	2401.8760	2420.6110
11AX20SISO	Ant1	2412	52Tone	RU37	18.423	2402.1445	2420.5675
11AX20SISO	Ant1	2412	106Tone	RU53	18.340	2402.2500	2420.5900
11AX20SISO	Ant1	2437	26Tone	RU4	17.237	2428.3811	2445.6181
11AX20SISO	Ant1	2437	52Tone	RU39	17.224	2428.3738	2445.5978
11AX20SISO	Ant1	2437	106Tone	RU54	18.493	2428.3429	2446.8359
11AX20SISO	Ant1	2462	26Tone	RU8	18.874	2453.2917	2472.1657
11AX20SISO	Ant1	2462	52Tone	RU40	18.602	2453.3310	2471.9330
11AX20SISO	Ant1	2462	106Tone	RU54	18.583	2453.2865	2471.8695

Test Graphs



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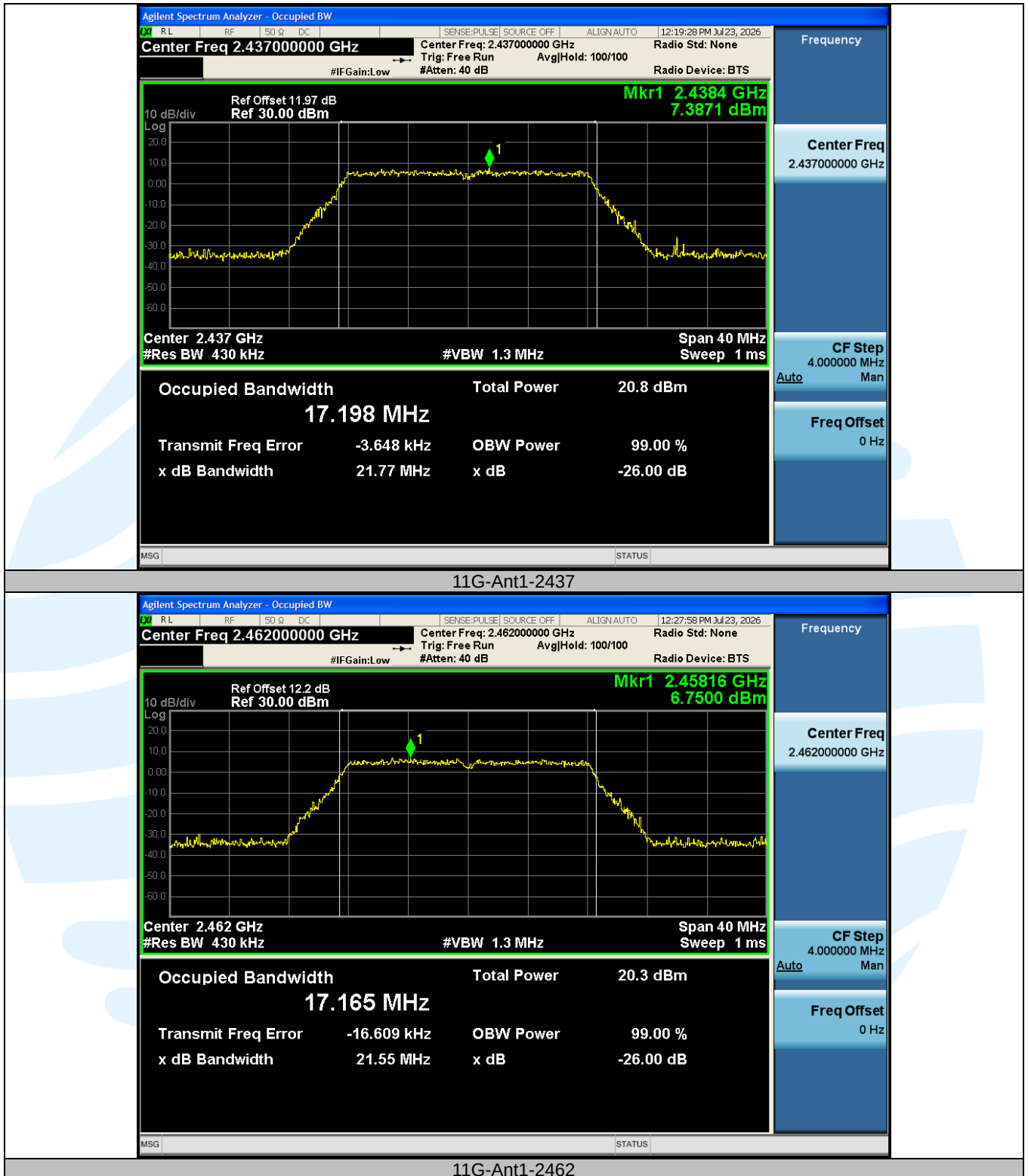
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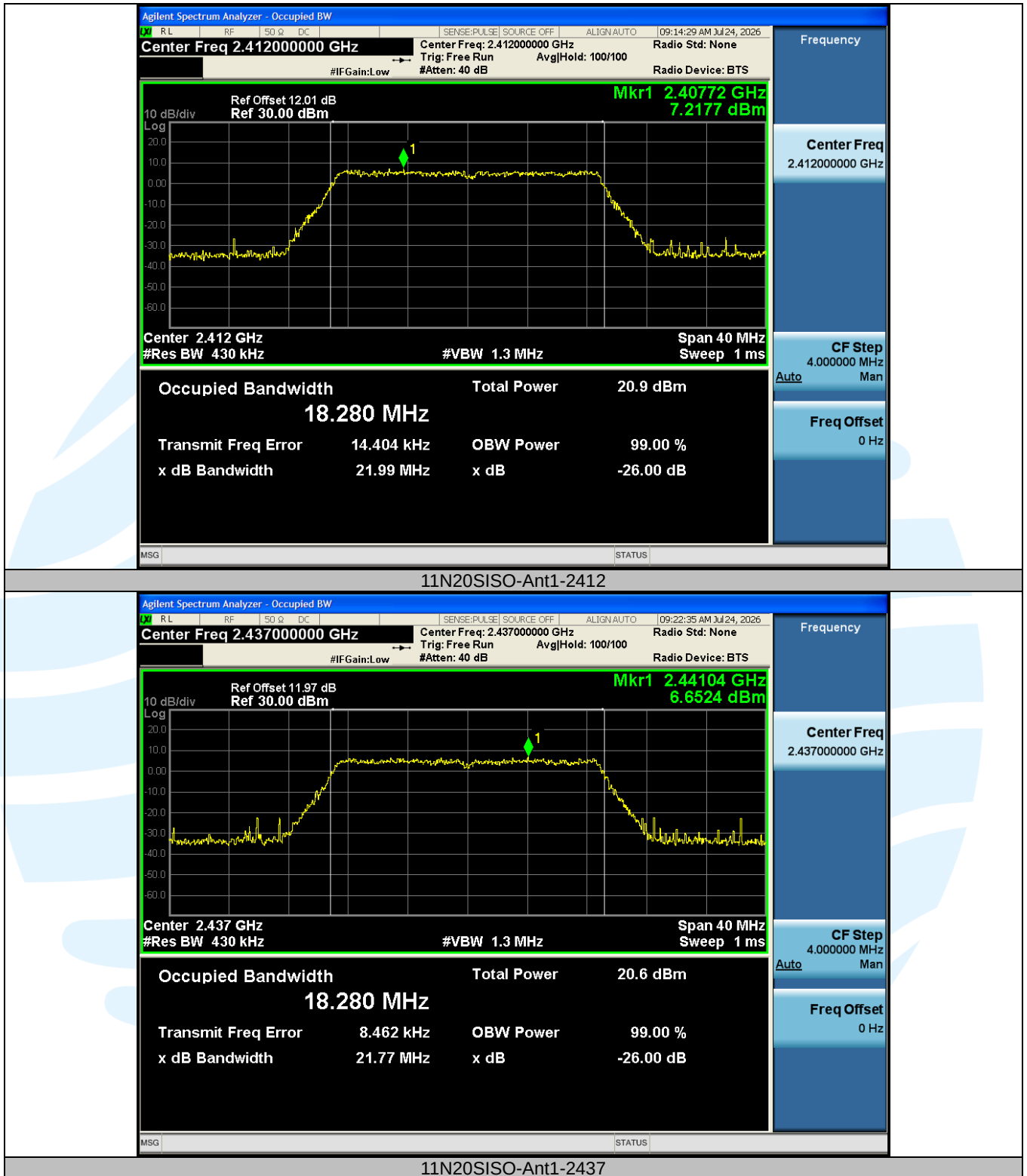
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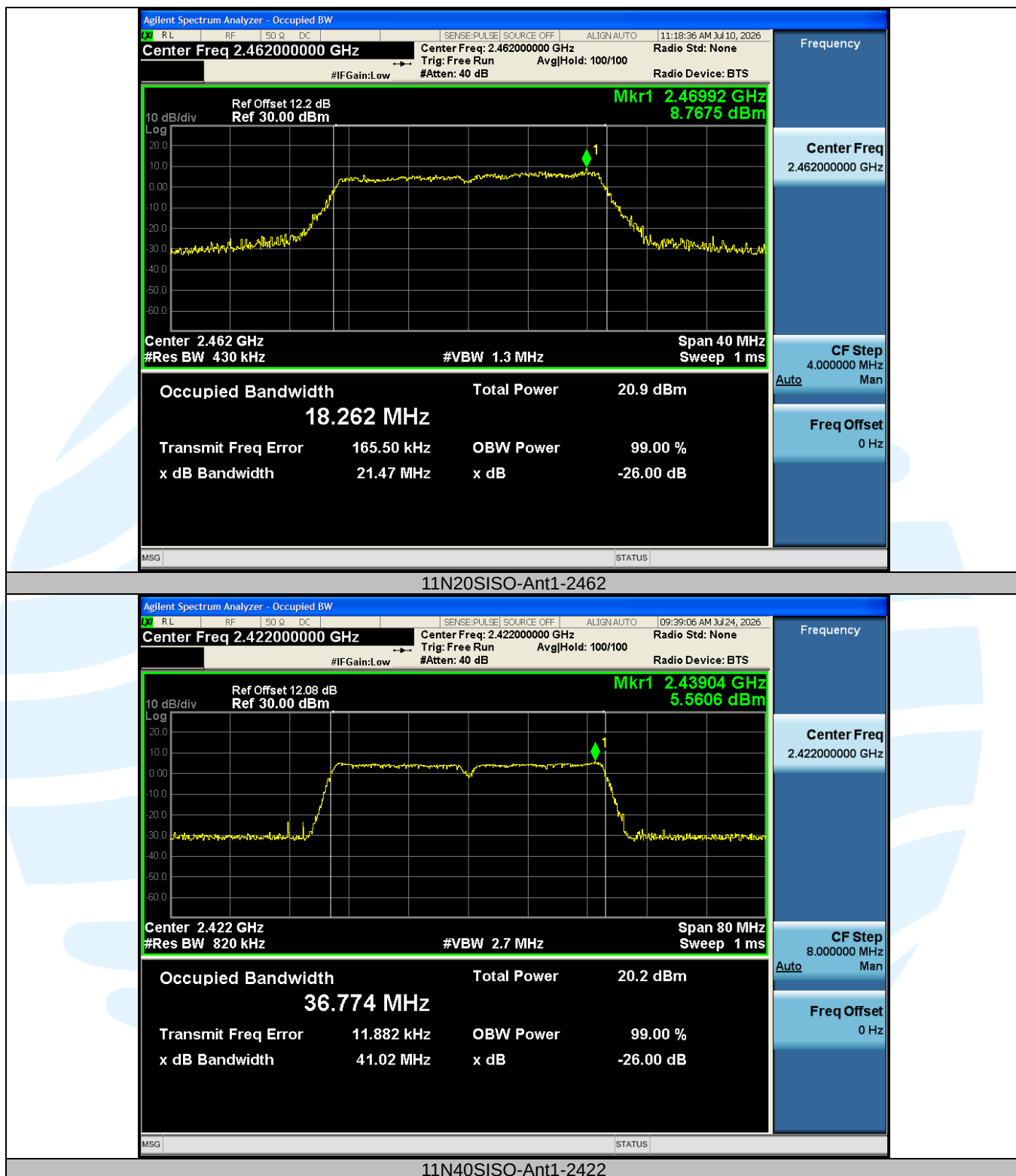
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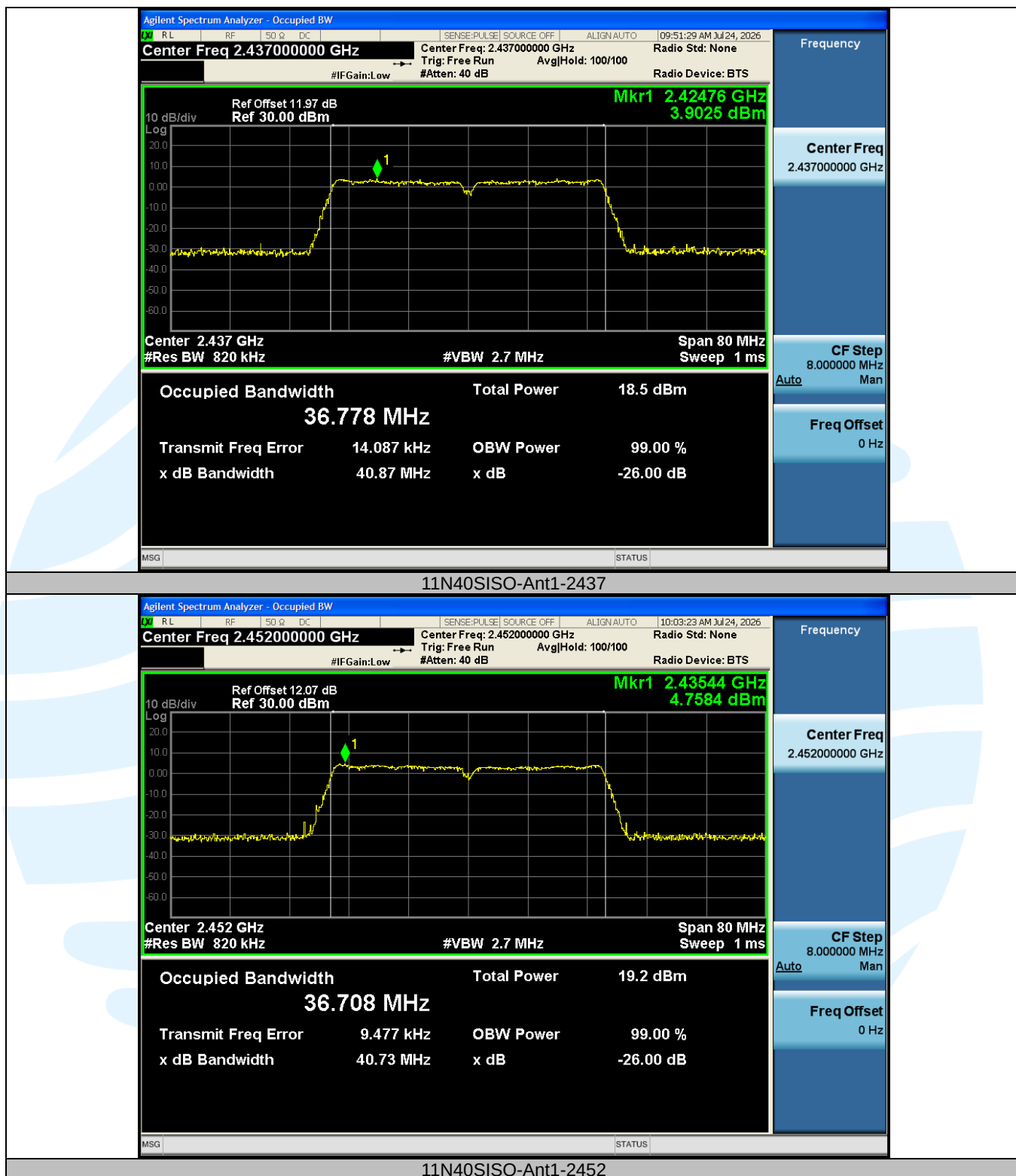
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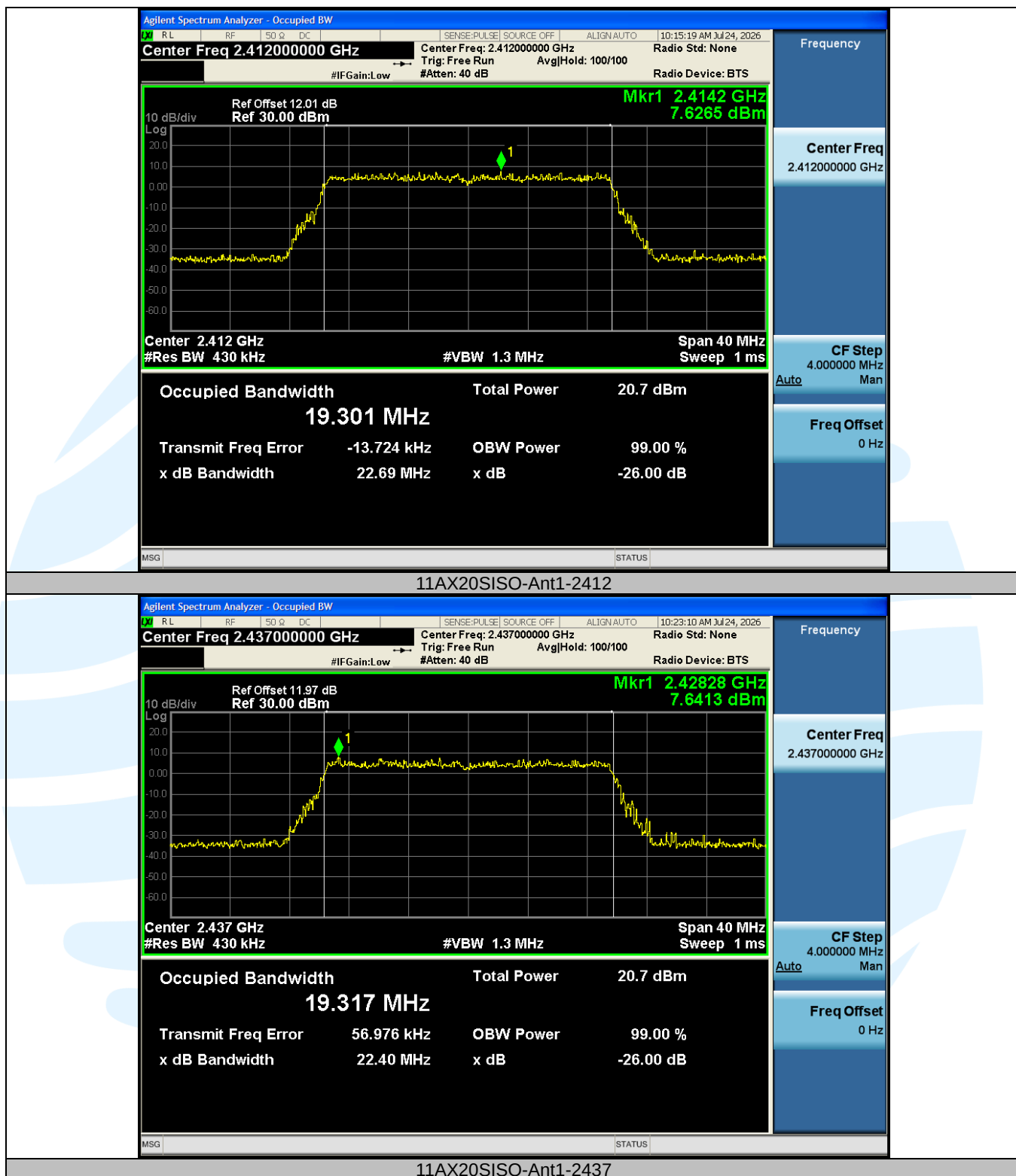
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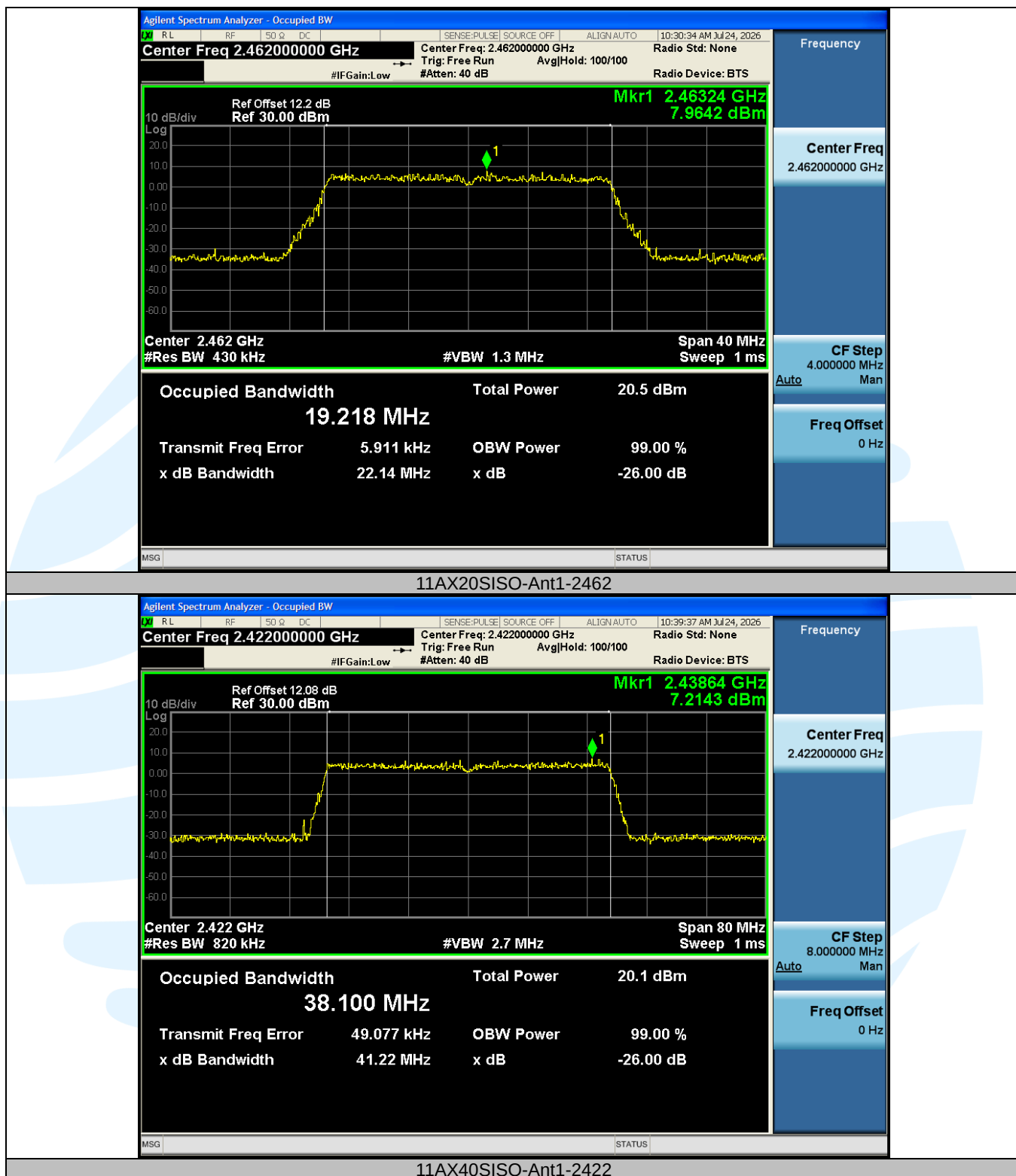
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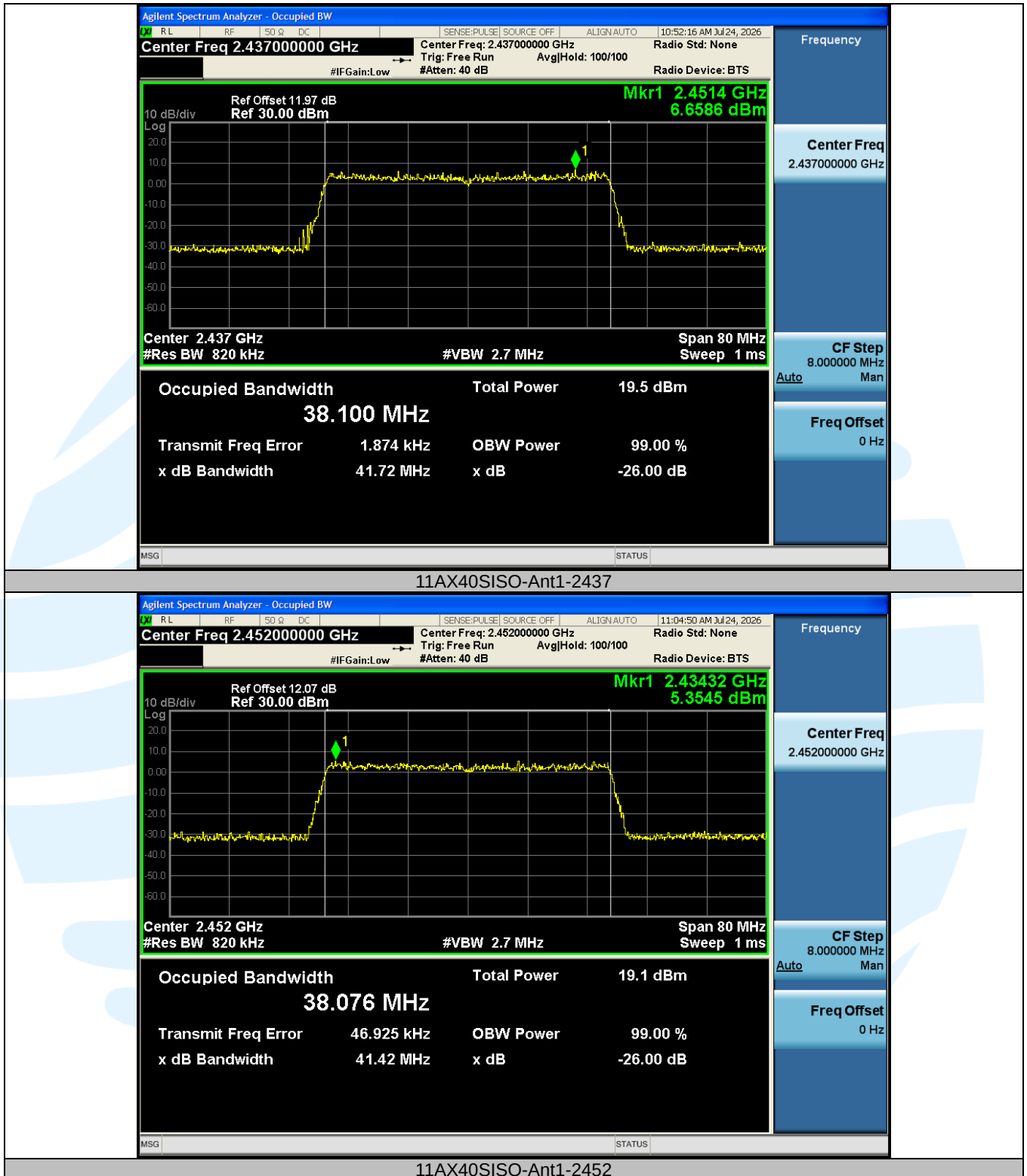
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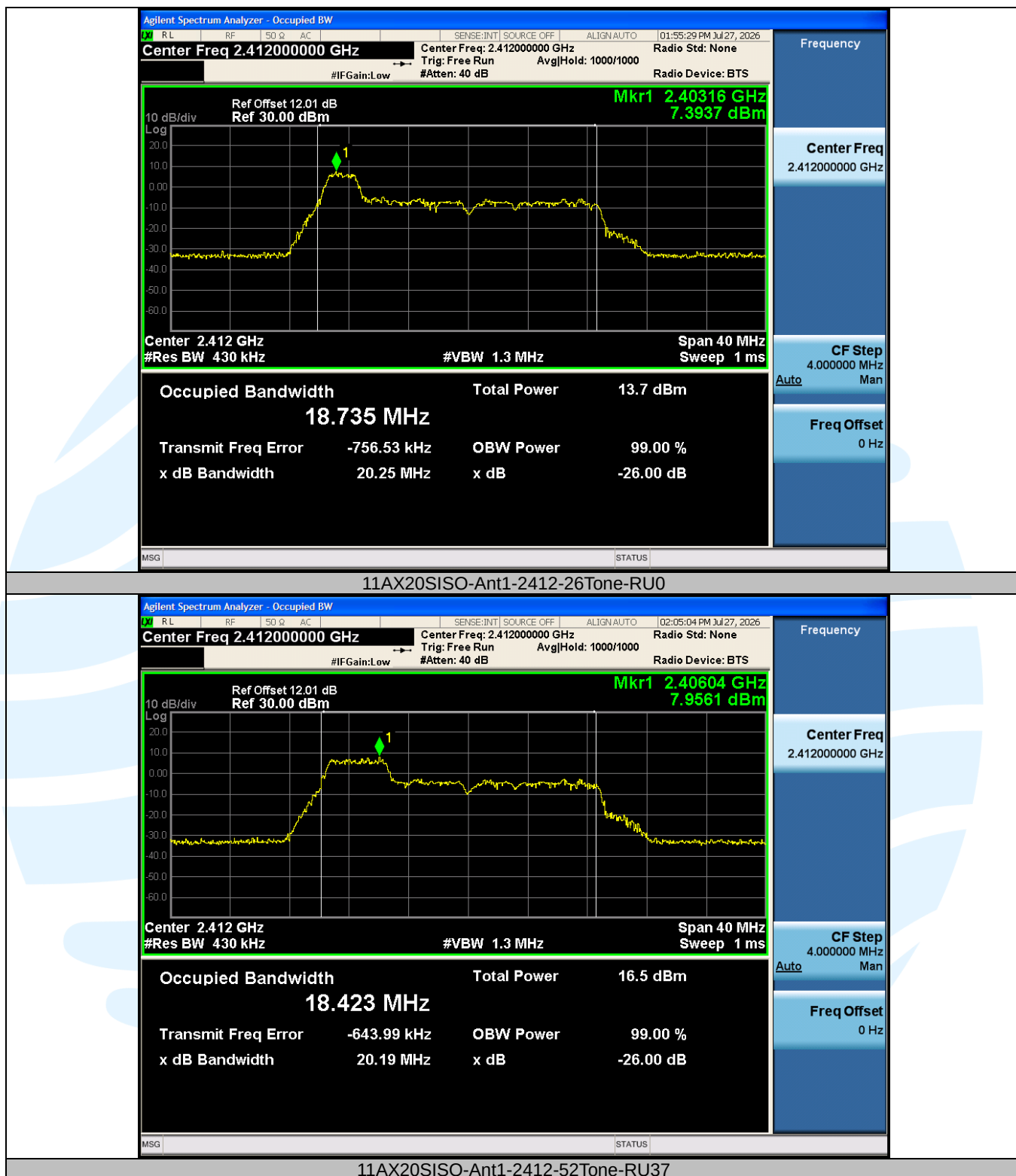
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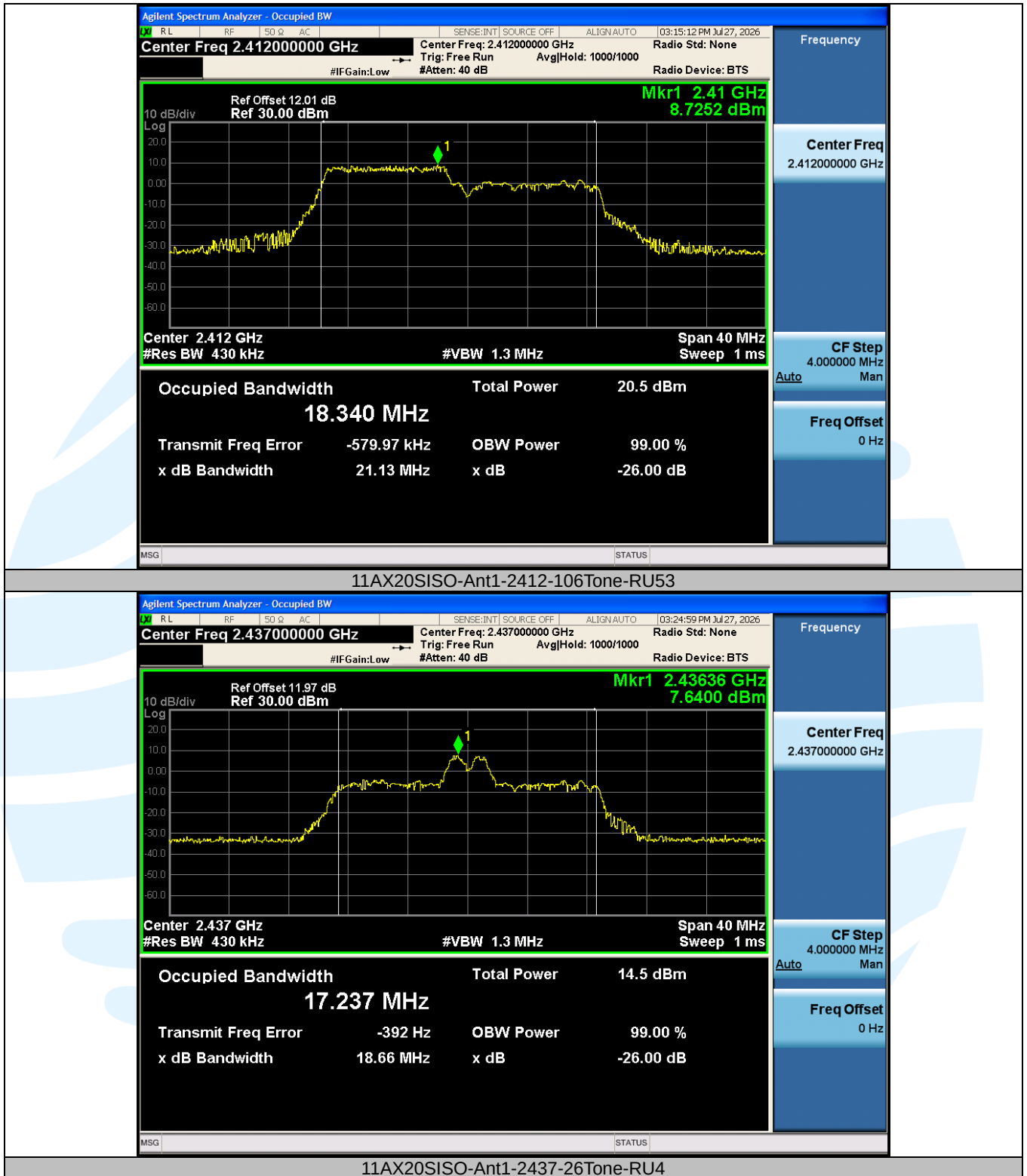
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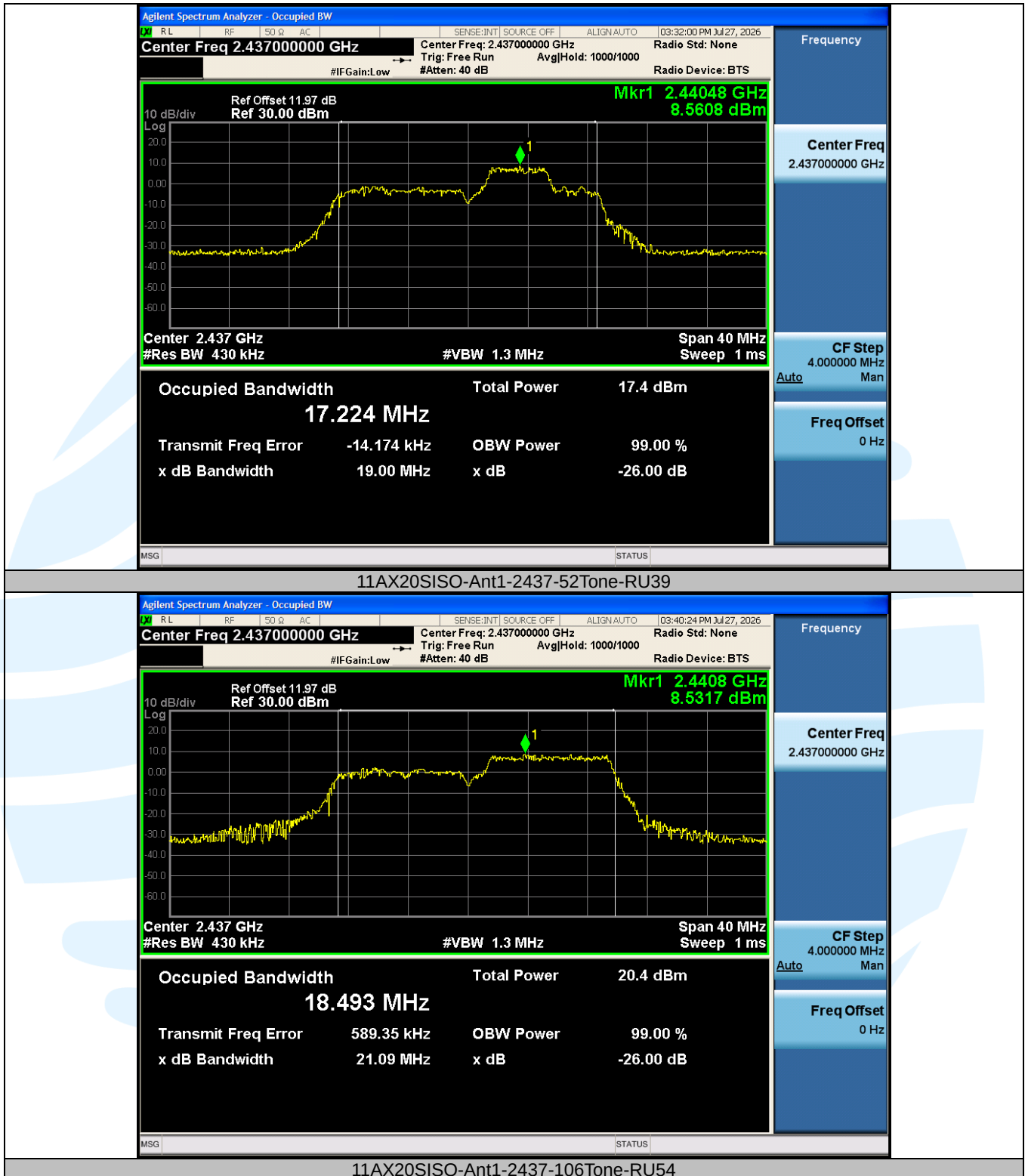
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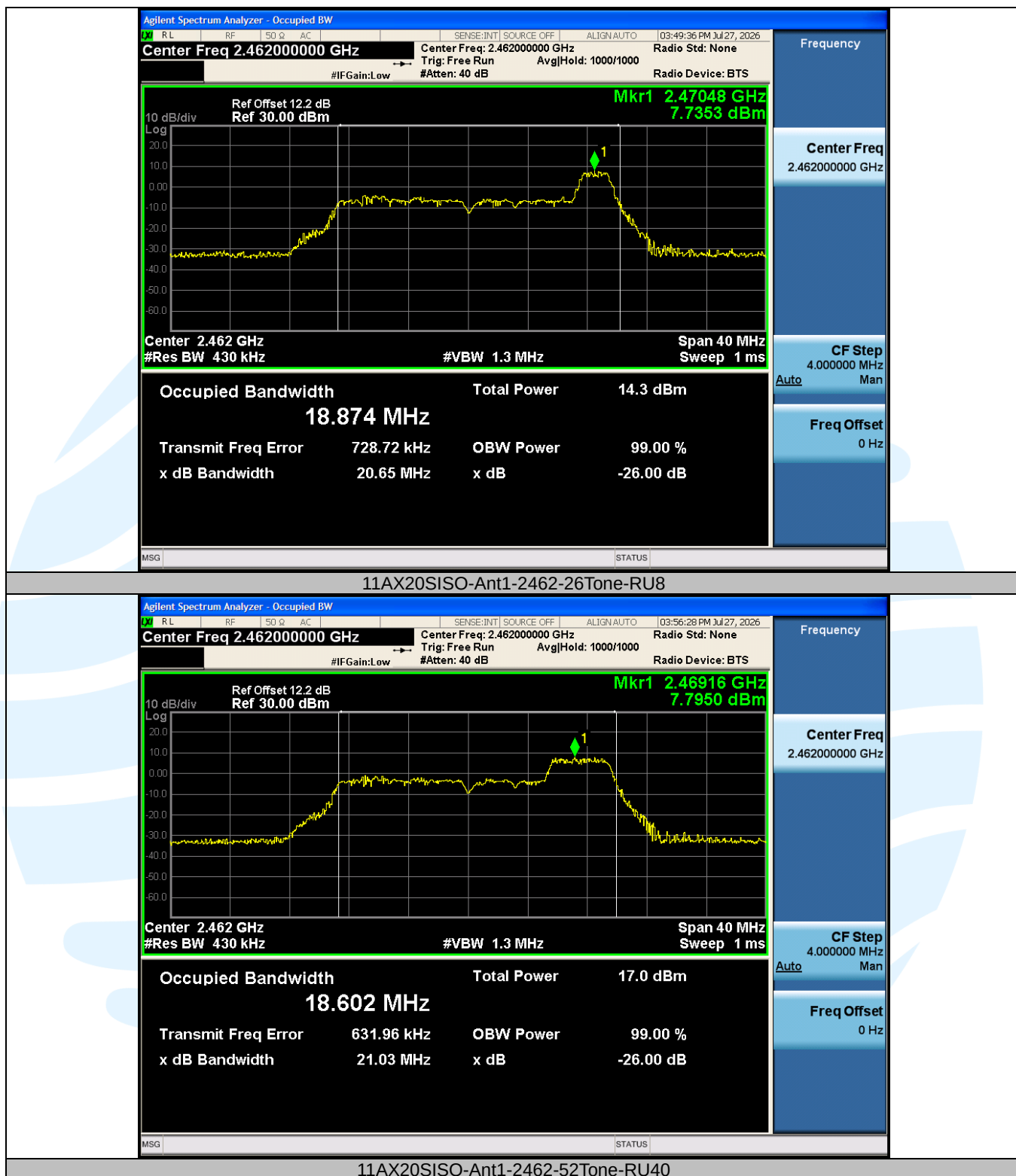
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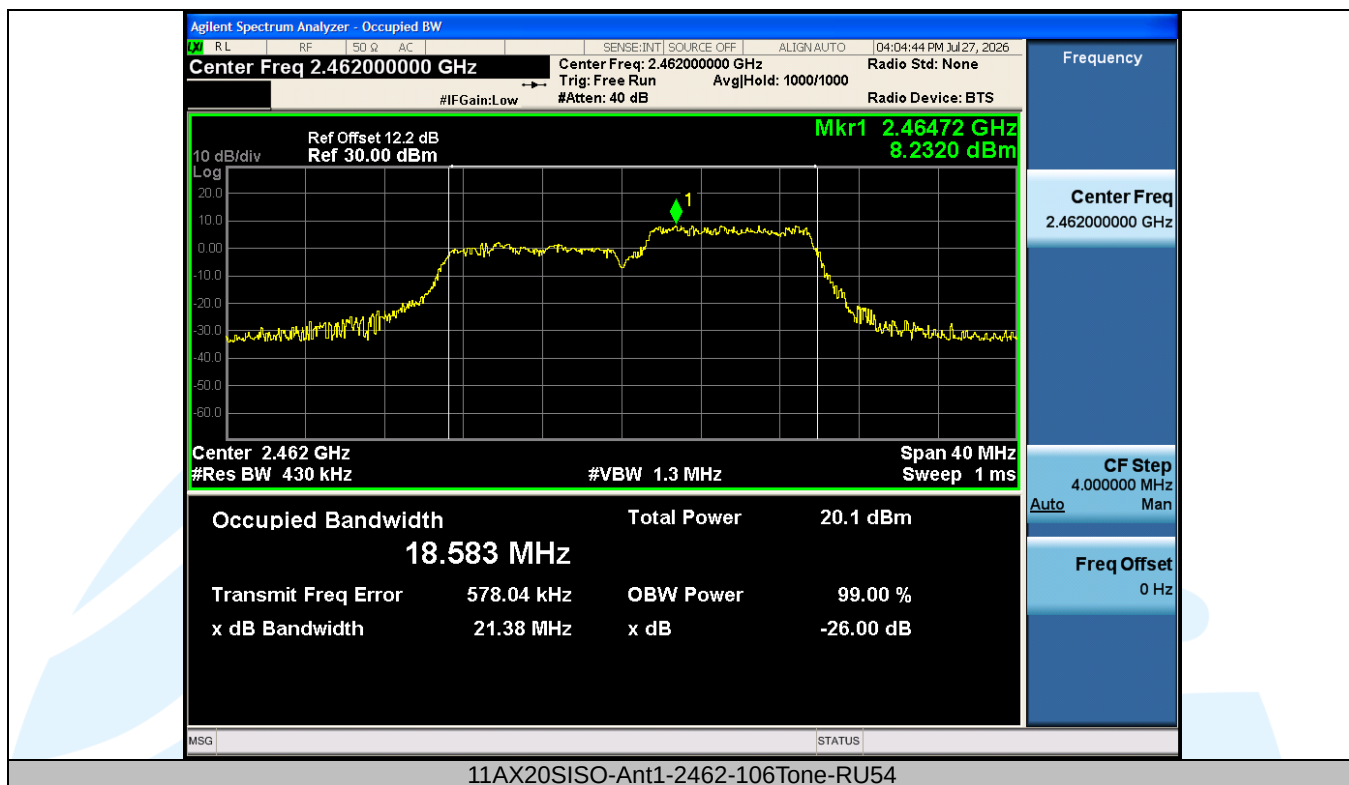
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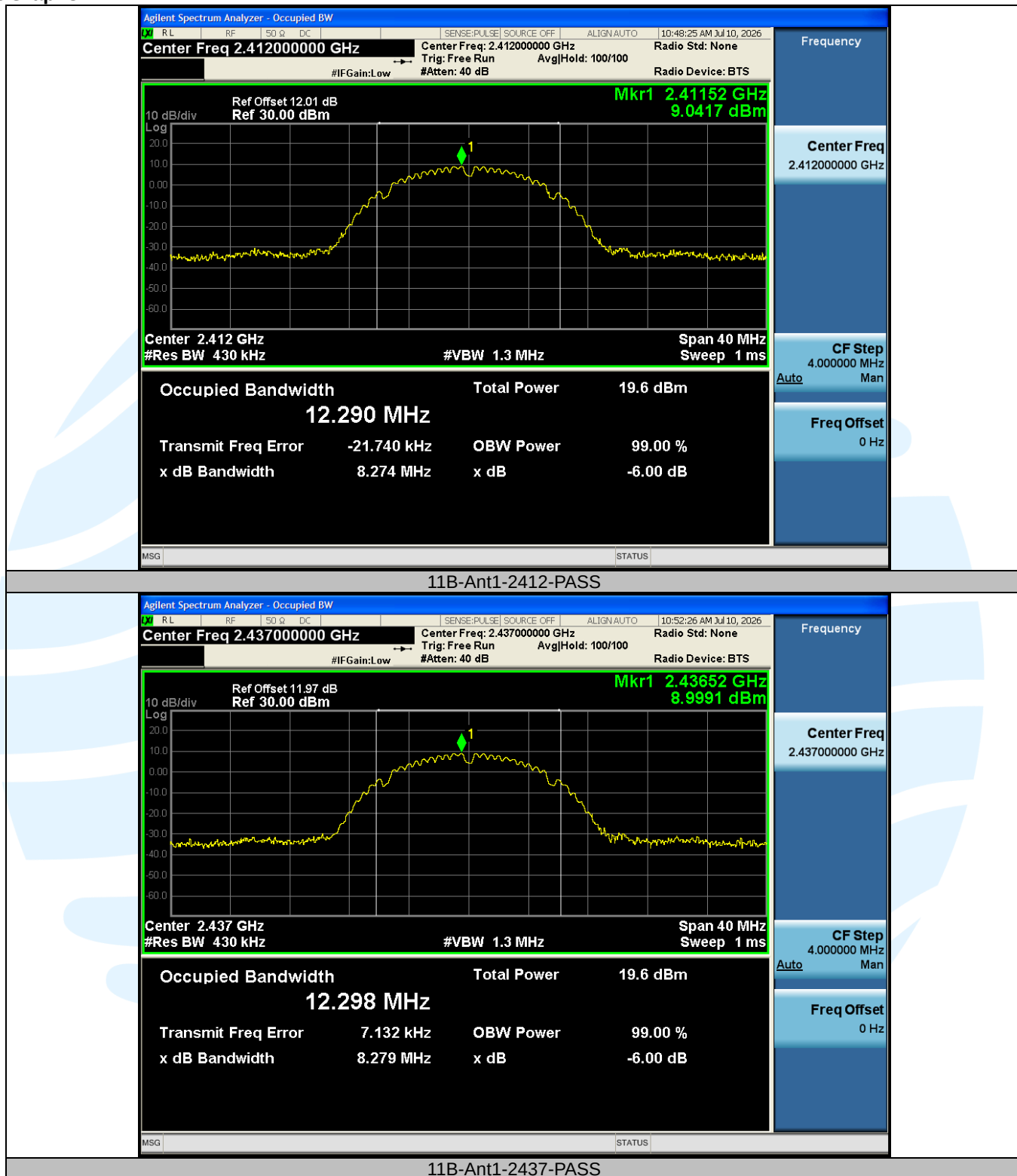
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A.3 6DB BANDWIDTH

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.274	0.5	PASS
11B	Ant1	2437	8.279	0.5	PASS
11B	Ant1	2462	8.274	0.5	PASS
11G	Ant1	2412	16.58	0.5	PASS
11G	Ant1	2437	16.57	0.5	PASS
11G	Ant1	2462	16.69	0.5	PASS
11N20SISO	Ant1	2412	17.83	0.5	PASS
11N20SISO	Ant1	2437	17.84	0.5	PASS
11N20SISO	Ant1	2462	17.85	0.5	PASS
11N40SISO	Ant1	2422	36.44	0.5	PASS
11N40SISO	Ant1	2437	35.79	0.5	PASS
11N40SISO	Ant1	2452	35.82	0.5	PASS
11AX20SISO	Ant1	2412	19.02	0.5	PASS
11AX20SISO	Ant1	2437	18.65	0.5	PASS
11AX20SISO	Ant1	2462	18.90	0.5	PASS
11AX40SISO	Ant1	2422	38.16	0.5	PASS
11AX40SISO	Ant1	2437	35.34	0.5	PASS
11AX40SISO	Ant1	2452	31.97	0.5	PASS

Test Mode	Ant.	Freq.[MHz]	Ru Size	Ru Index	DTS BW [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	2.131	0.5	PASS
11AX20SISO	Ant1	2412	52Tone	RU37	4.187	0.5	PASS
11AX20SISO	Ant1	2412	106Tone	RU53	16.01	0.5	PASS
11AX20SISO	Ant1	2437	26Tone	RU4	2.741	0.5	PASS
11AX20SISO	Ant1	2437	52Tone	RU39	4.251	0.5	PASS
11AX20SISO	Ant1	2437	106Tone	RU54	17.27	0.5	PASS
11AX20SISO	Ant1	2462	26Tone	RU8	2.195	0.5	PASS
11AX20SISO	Ant1	2462	52Tone	RU40	4.146	0.5	PASS
11AX20SISO	Ant1	2462	106Tone	RU54	17.25	0.5	PASS

Test Graphs



Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.43700000 GHz

Center Freq: 2.43700000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#IFGain: Low

#Atten: 40 dB

Radio Device: BTS

Ref Offset 11.97 dB

Ref 30.00 dBm

Mkr1 2.43652 GHz

8.9991 dBm

10 dB/div

Log

Center 2.437 GHz

#Res BW 430 kHz

#VBW 1.3 MHz

Span 40 MHz

Sweep 1 ms

Occupied Bandwidth

12.298 MHz

Total Power

19.6 dBm

Transmit Freq Error

7.132 kHz

OBW Power

99.00 %

x dB Bandwidth

8.279 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

2.43700000 GHz

CF Step

4.000000 MHz

Auto

Man

Freq Offset

0 Hz

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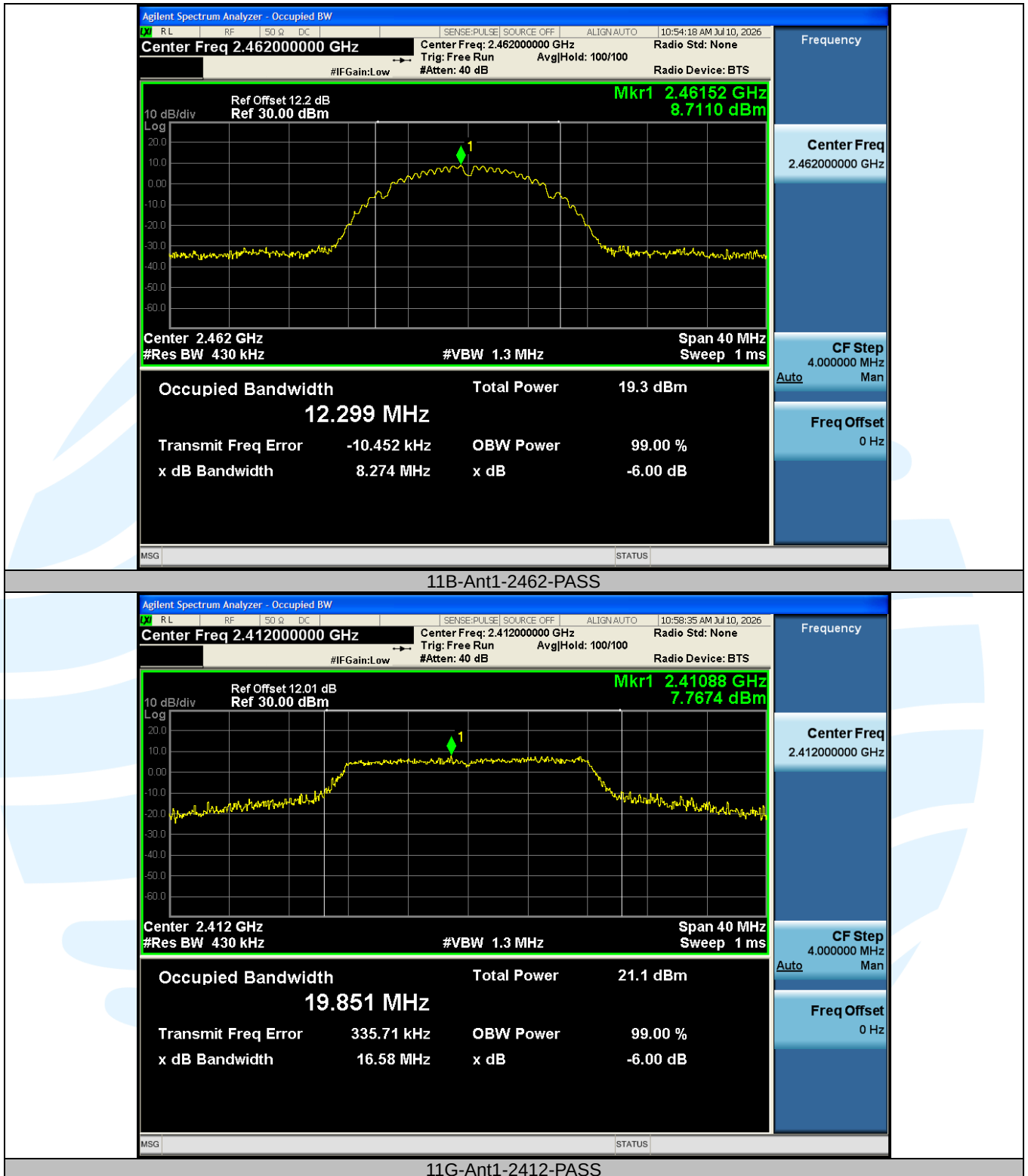
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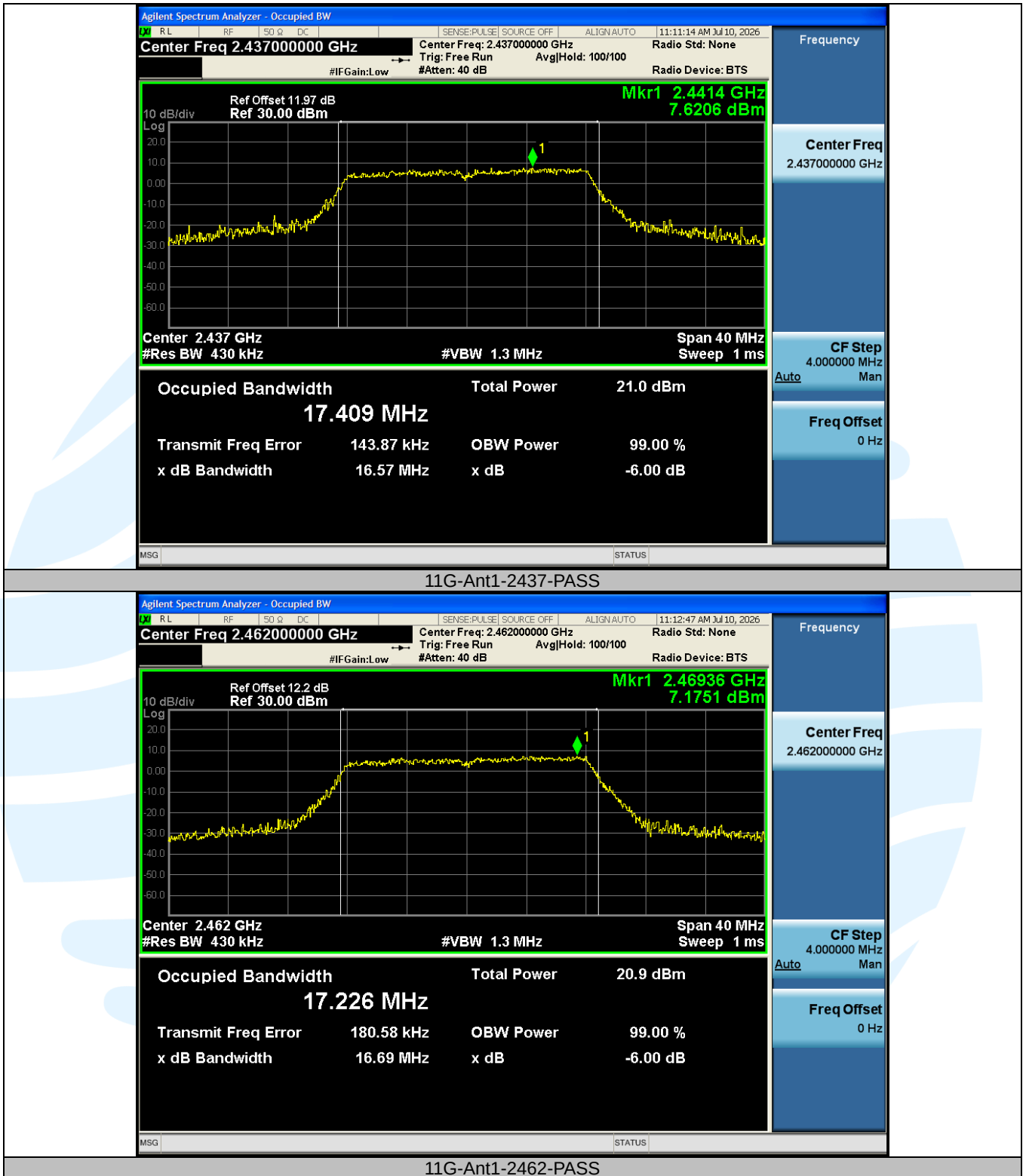
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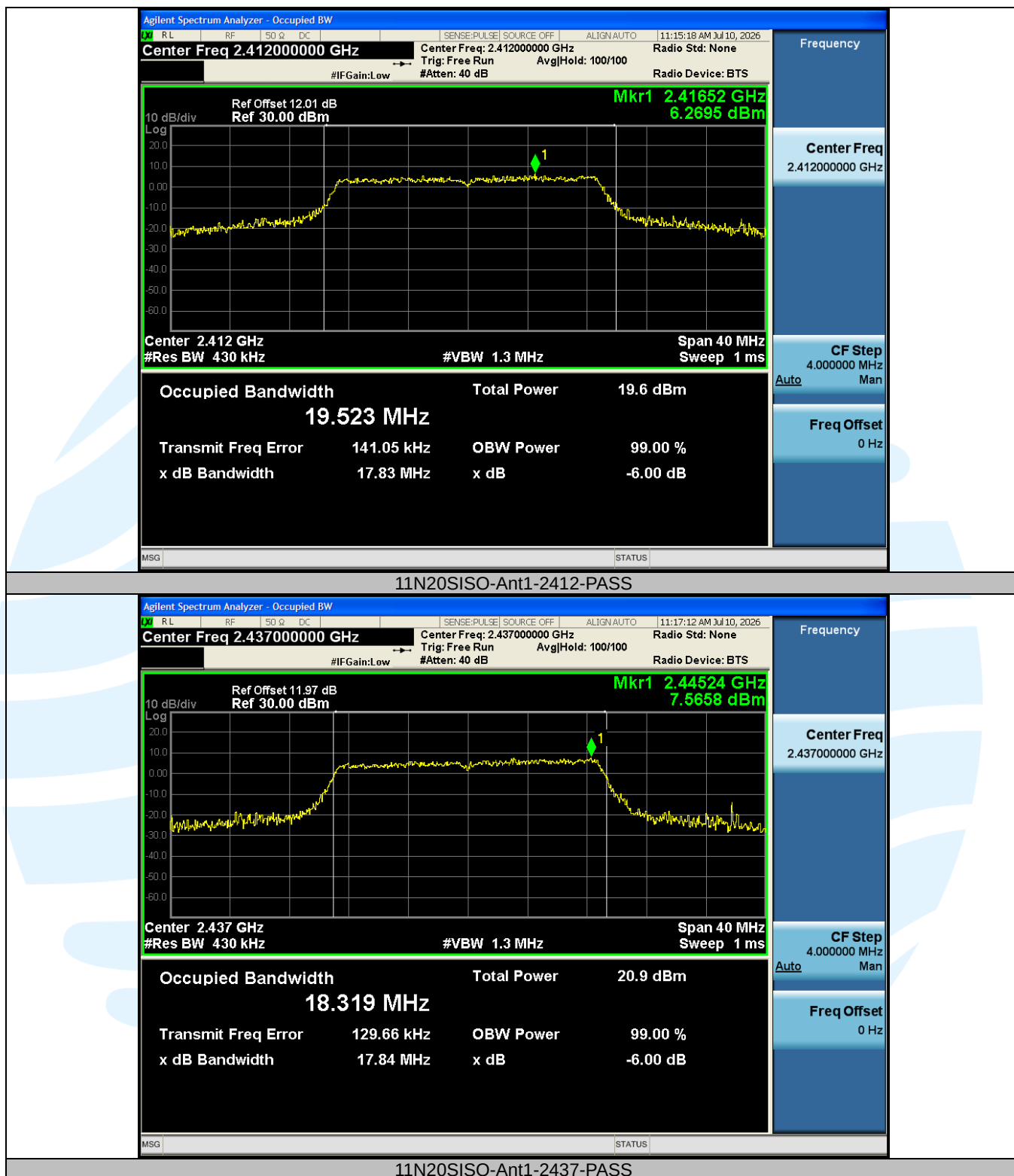
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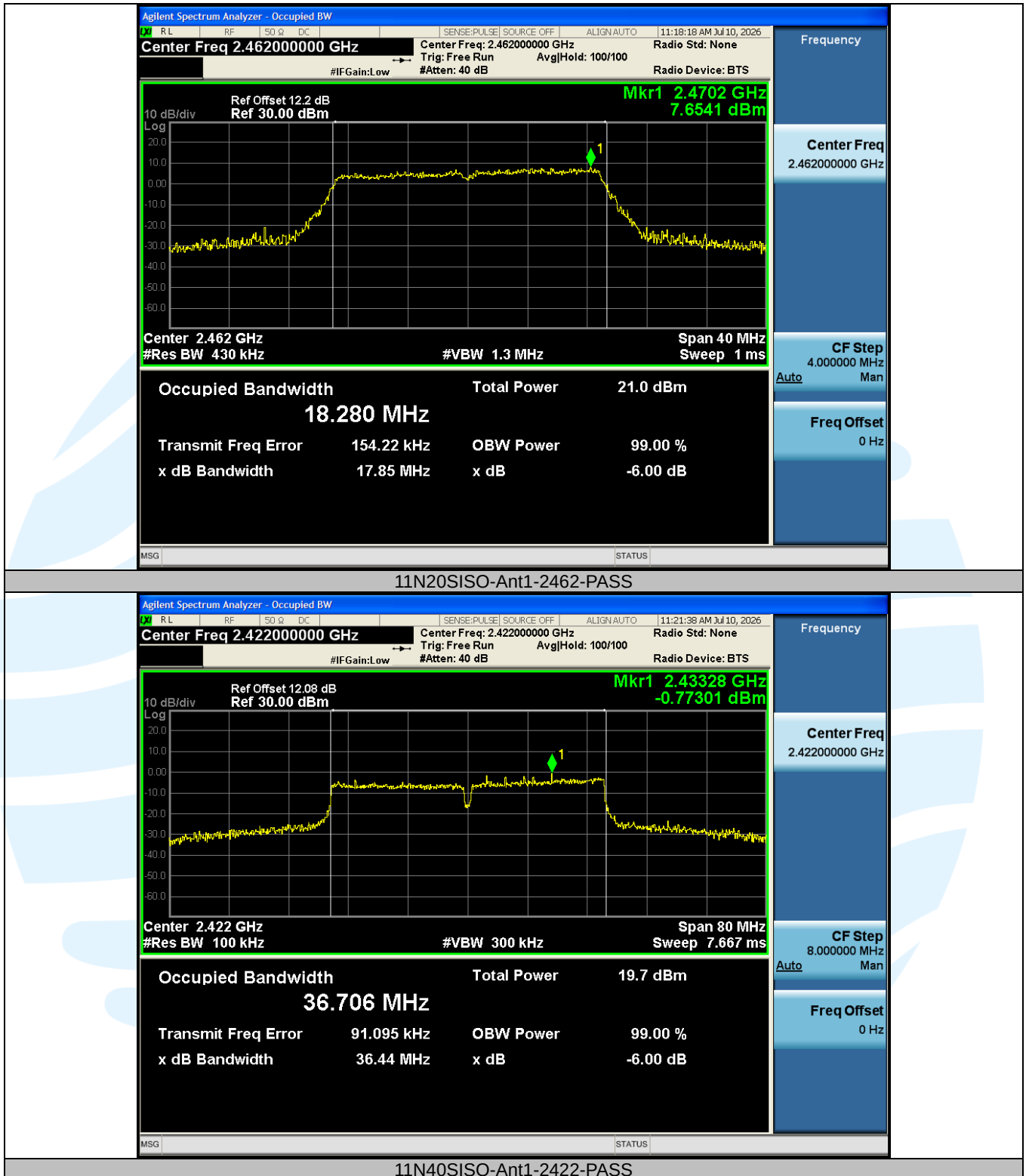
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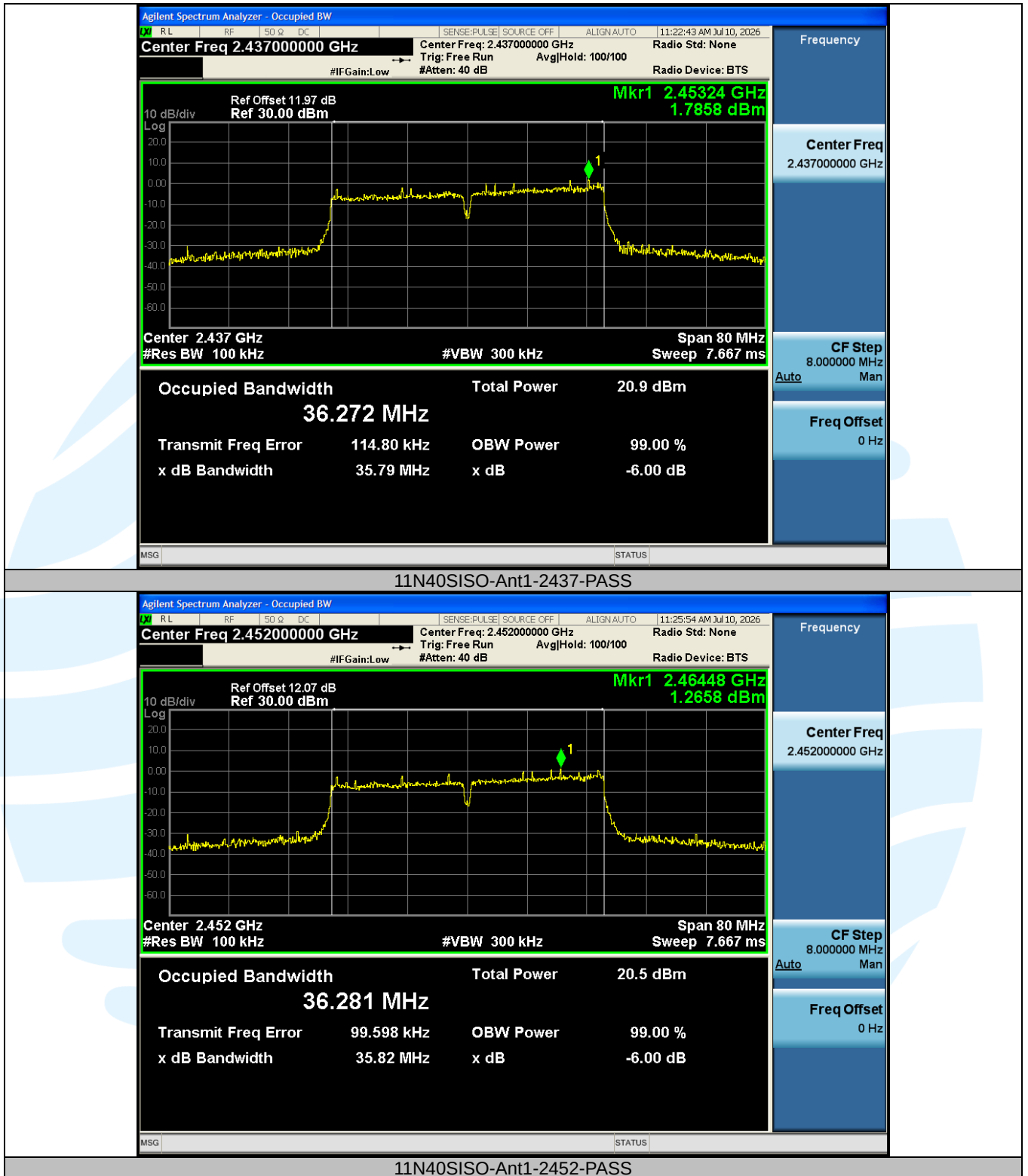
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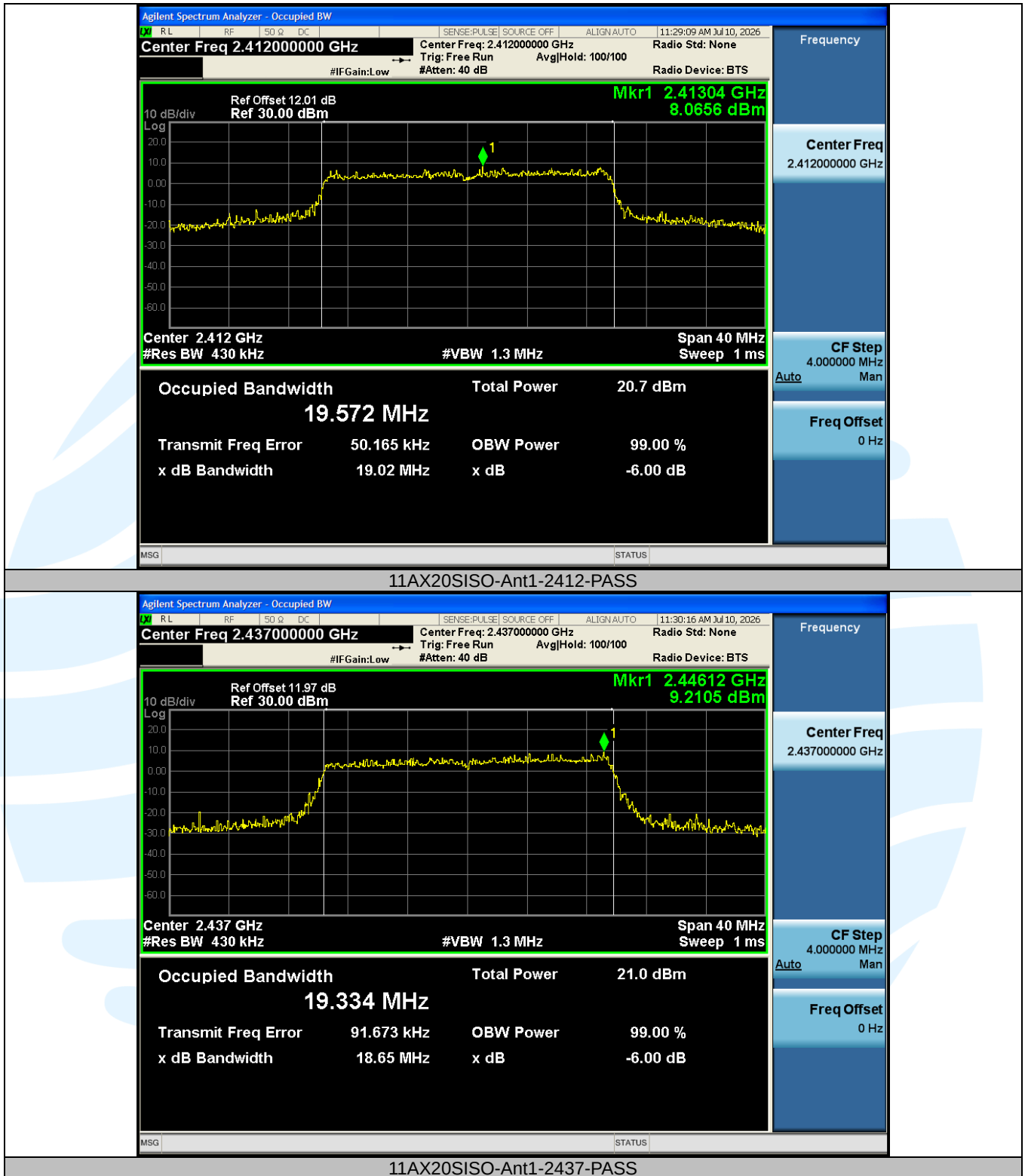
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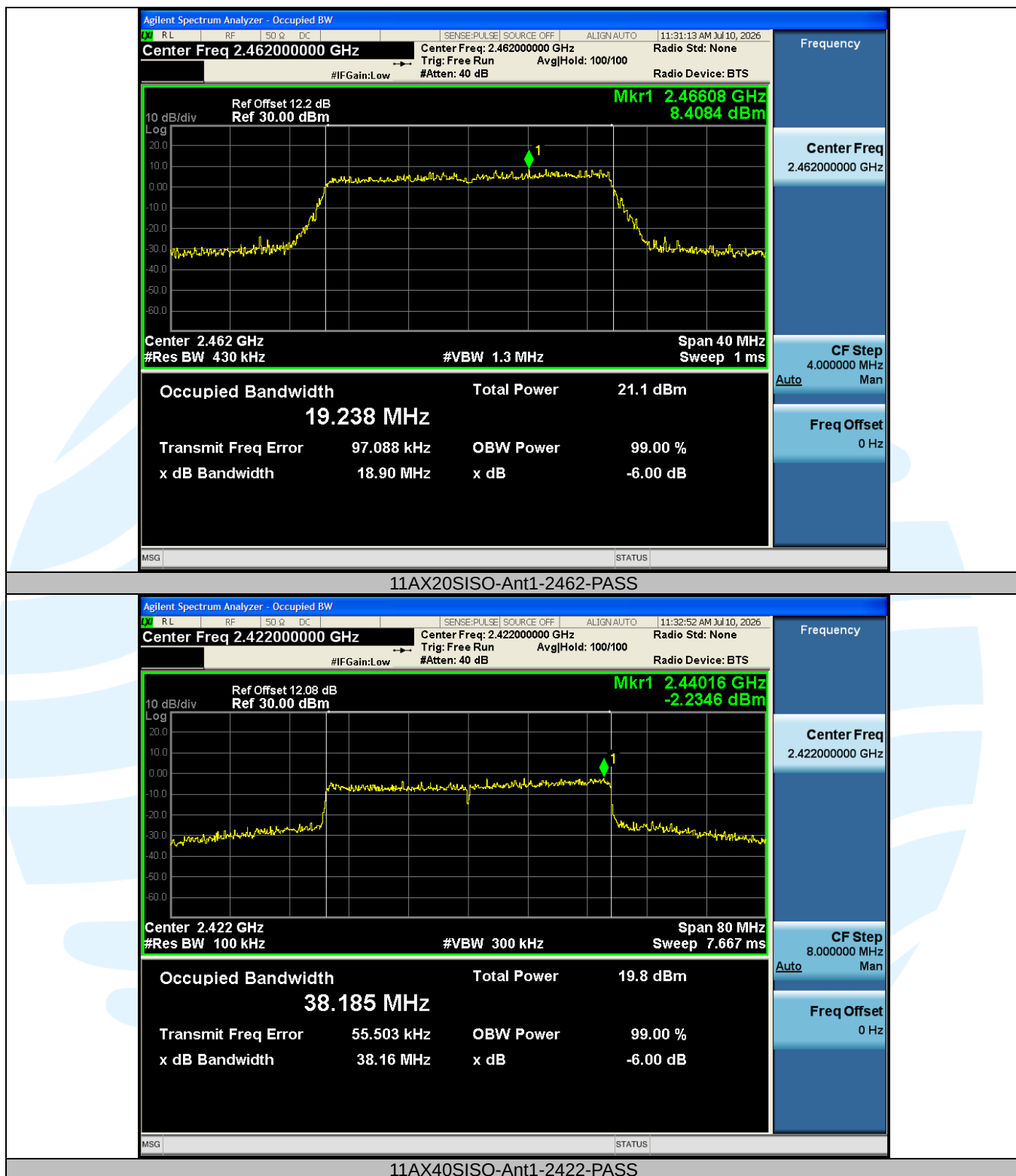
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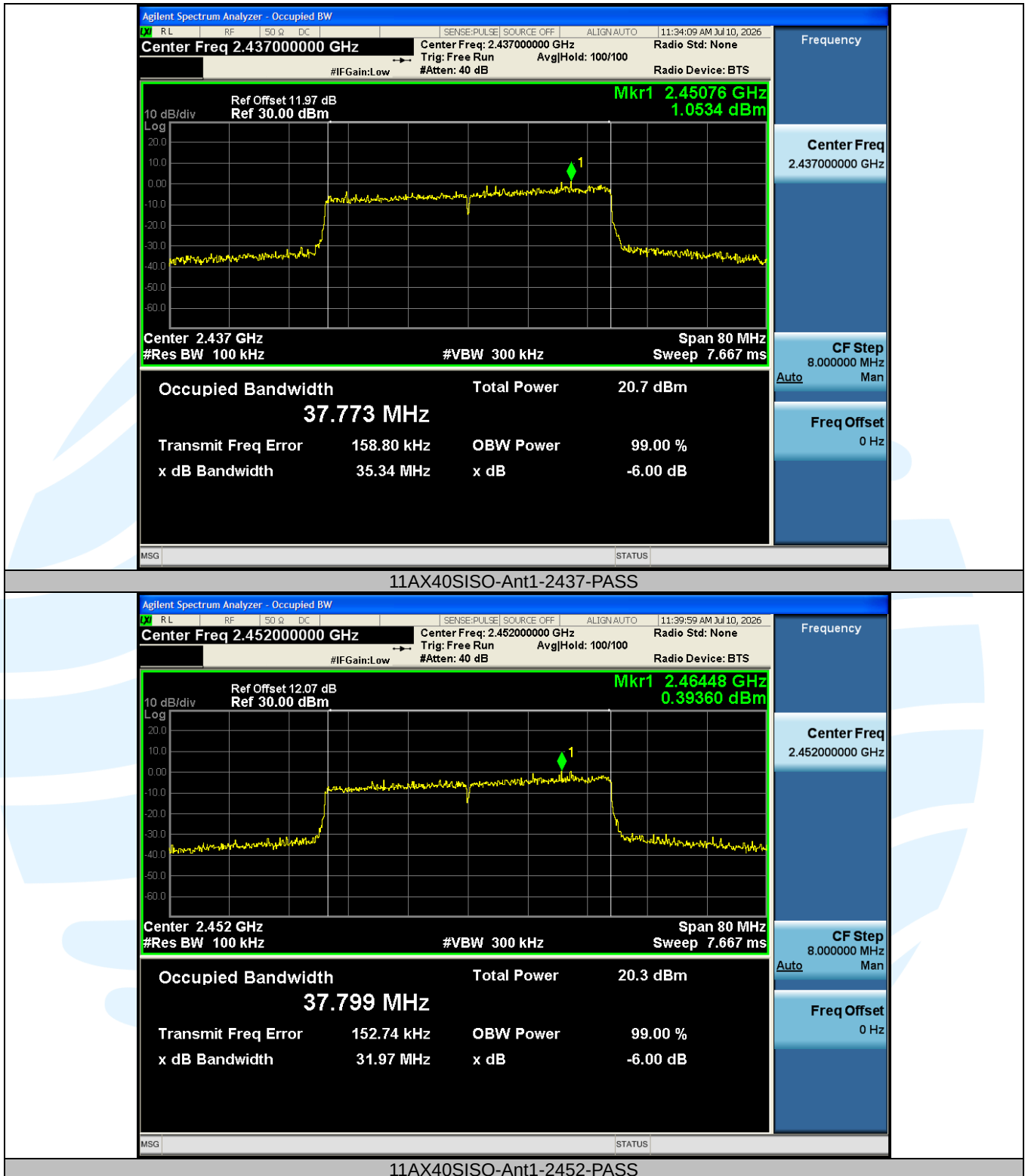
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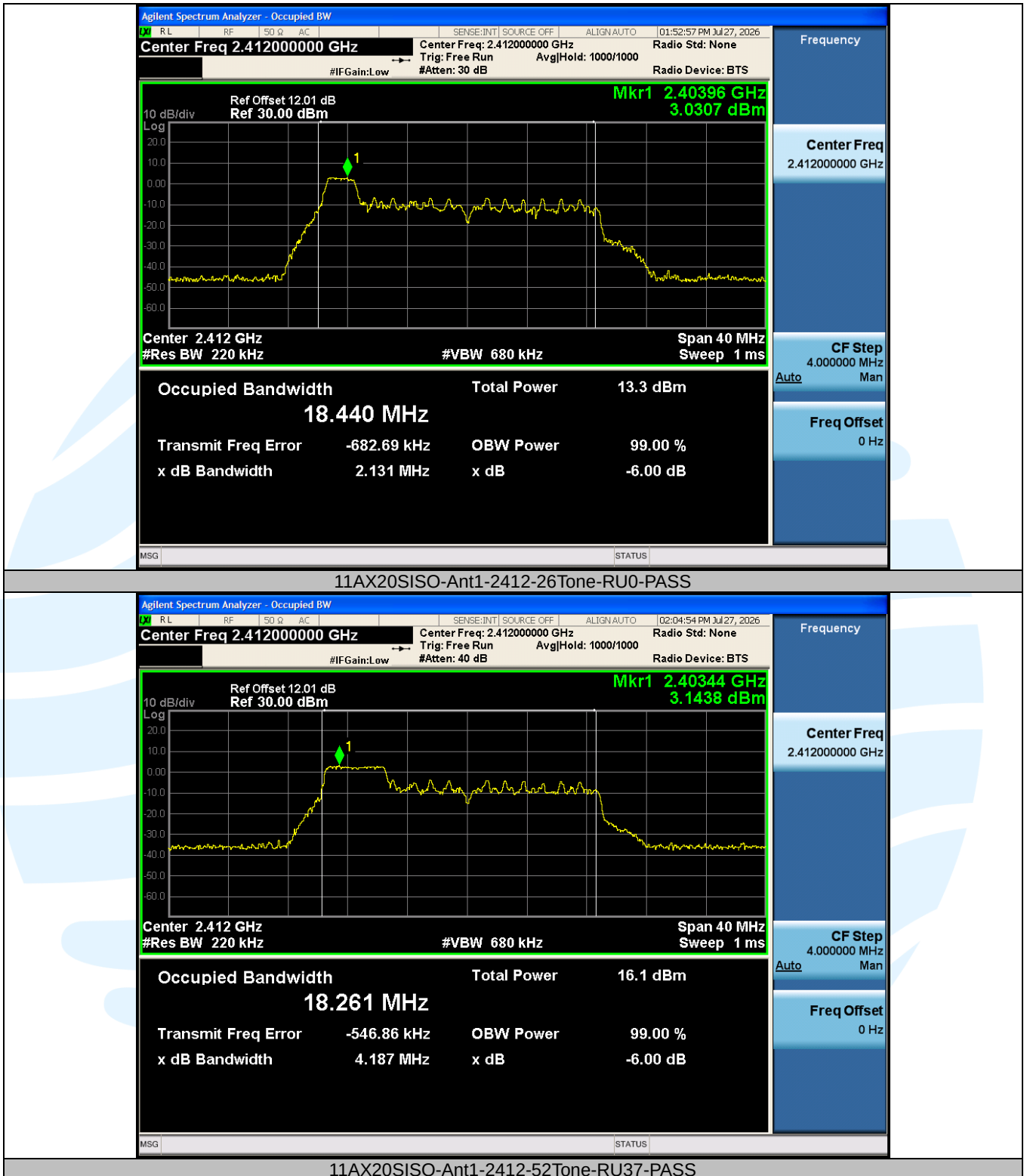


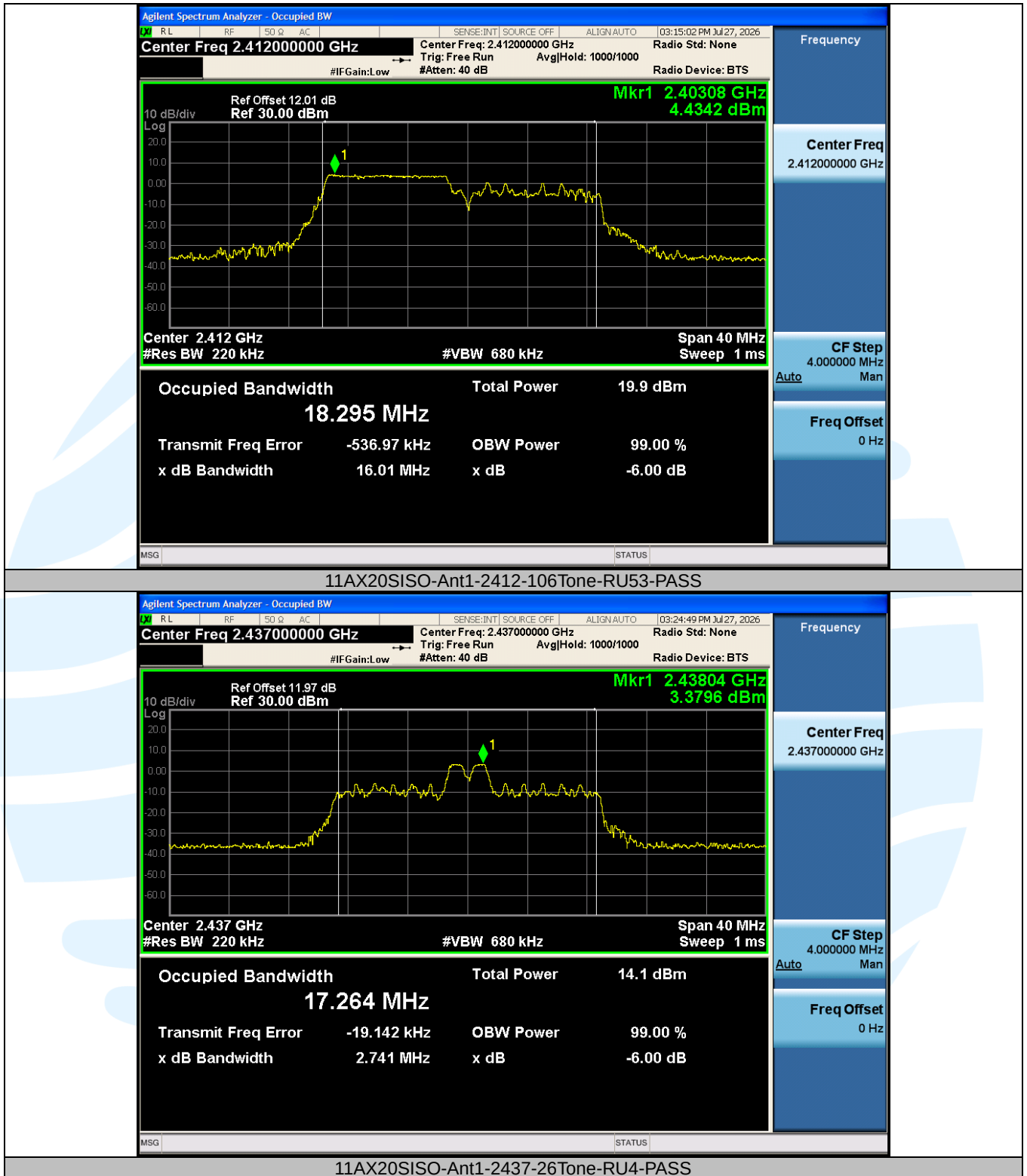


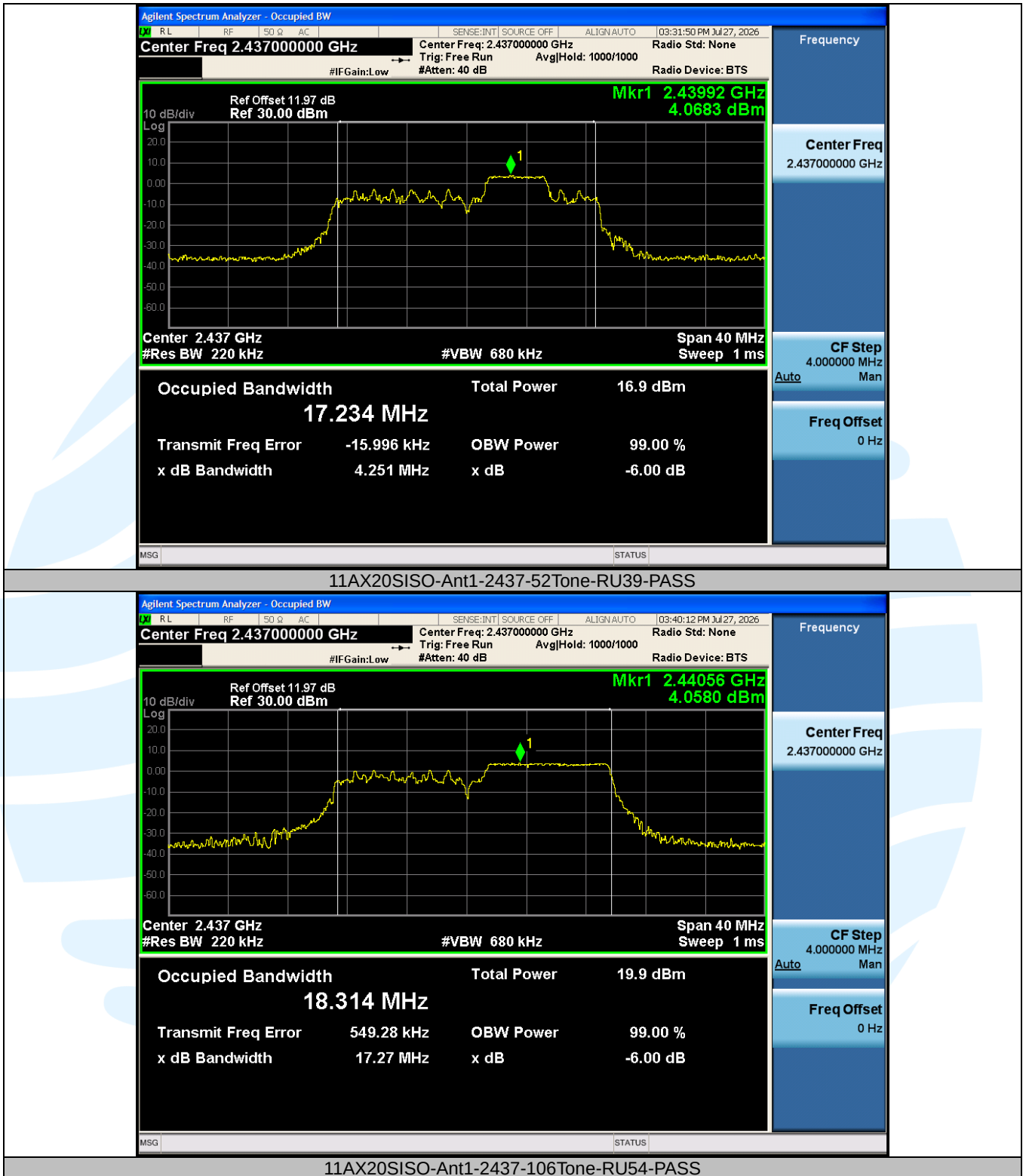


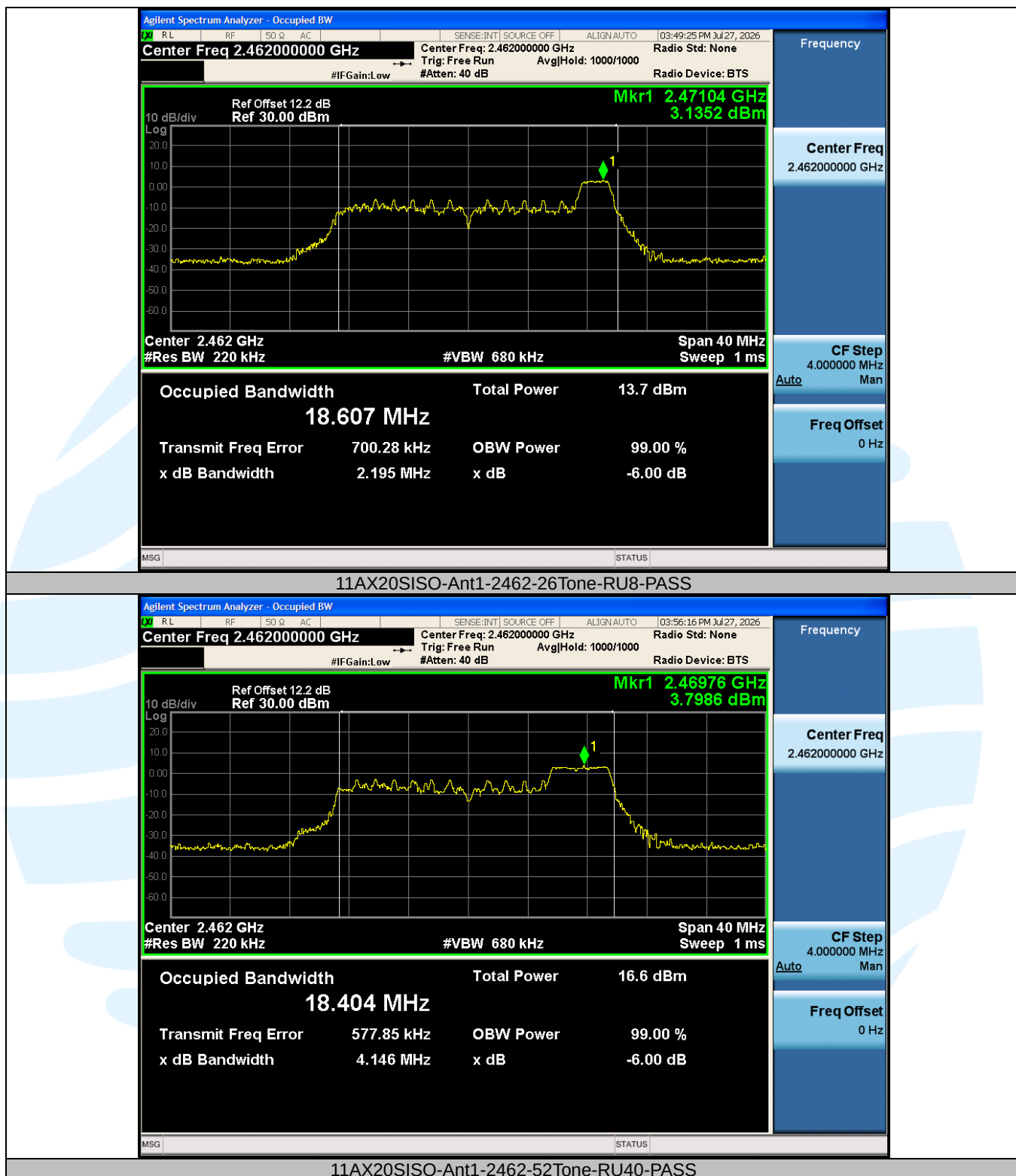












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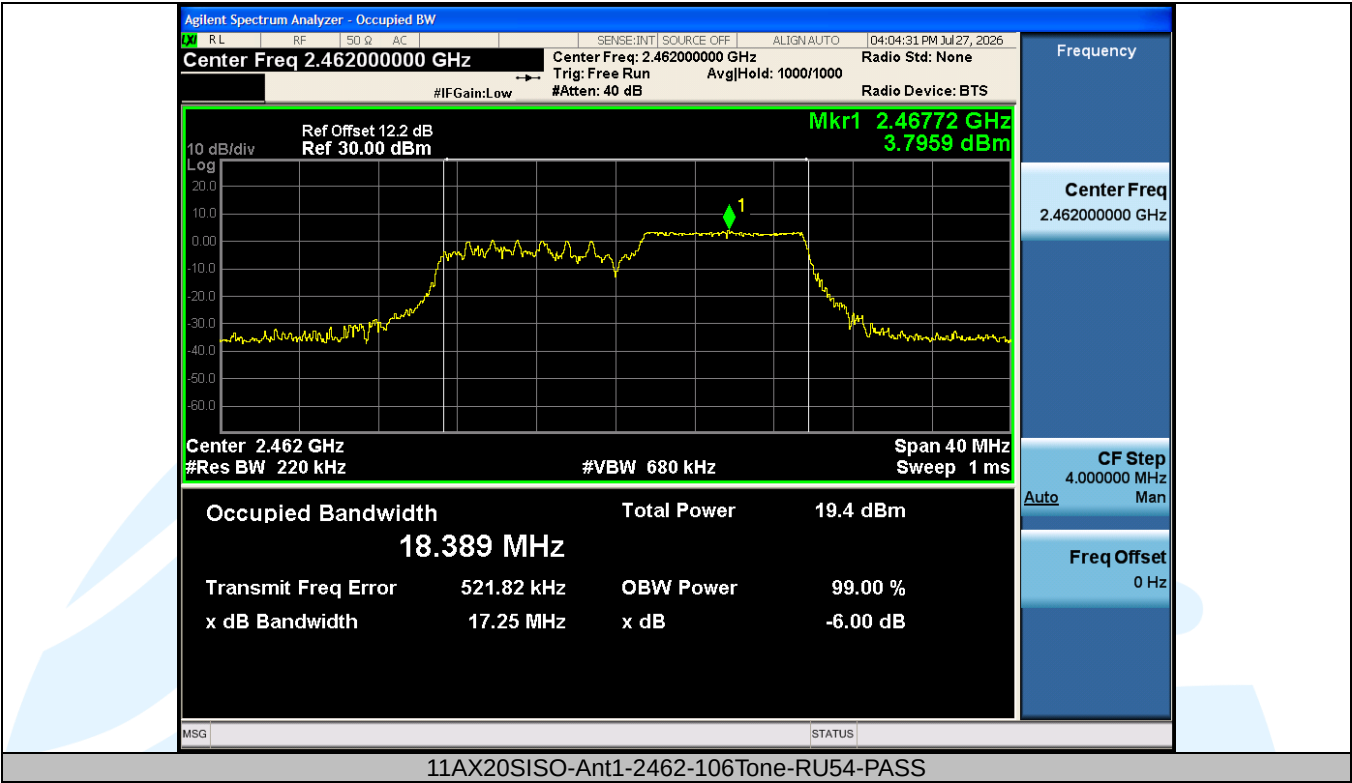
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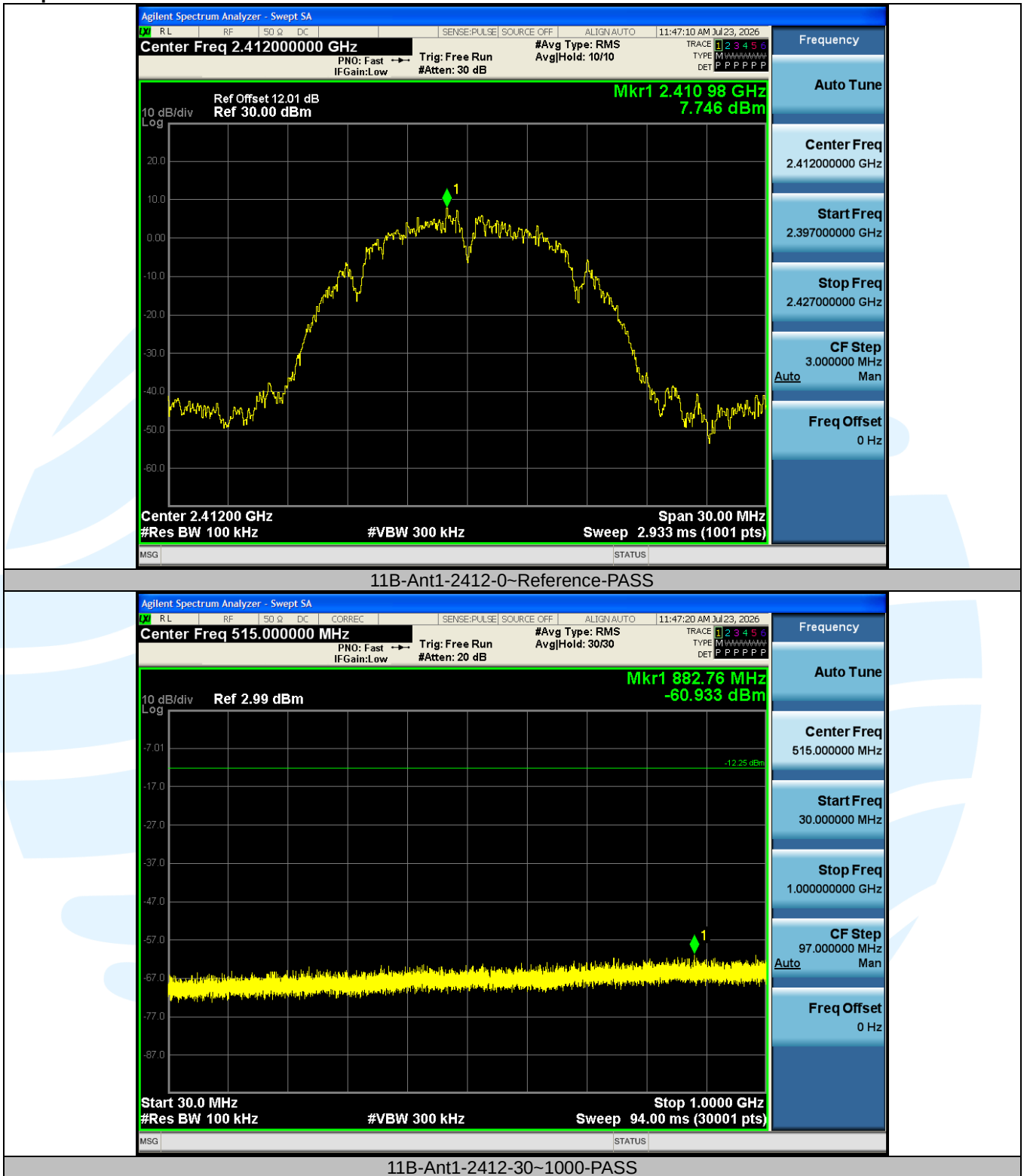
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A.4 CONDUCTED OUT OF BAND EMISSION

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	7.75	7.75	---	PASS
11B	Ant1	2412	30~1000	7.75	-60.93	≤-12.25	PASS
11B	Ant1	2412	1000~26500	7.75	-29.22	≤-12.25	PASS
11B	Ant1	2437	0~Reference	7.13	7.13	---	PASS
11B	Ant1	2437	30~1000	7.13	-59.73	≤-12.87	PASS
11B	Ant1	2437	1000~26500	7.13	-30.69	≤-12.87	PASS
11B	Ant1	2462	0~Reference	5.87	5.87	---	PASS
11B	Ant1	2462	30~1000	5.87	-60.92	≤-14.13	PASS
11B	Ant1	2462	1000~26500	5.87	-30.19	≤-14.13	PASS
11G	Ant1	2412	0~Reference	-0.53	-0.53	---	PASS
11G	Ant1	2412	30~1000	-0.53	-60.75	≤-20.53	PASS
11G	Ant1	2412	1000~26500	-0.53	-29.93	≤-20.53	PASS
11G	Ant1	2437	0~Reference	-0.21	-0.21	---	PASS
11G	Ant1	2437	30~1000	-0.21	-61.28	≤-20.21	PASS
11G	Ant1	2437	1000~26500	-0.21	-29.6	≤-20.21	PASS
11G	Ant1	2462	0~Reference	-0.69	-0.69	---	PASS
11G	Ant1	2462	30~1000	-0.69	-61.48	≤-20.69	PASS
11G	Ant1	2462	1000~26500	-0.69	-29.64	≤-20.69	PASS
11N20SISO	Ant1	2412	0~Reference	3.00	3.00	---	PASS
11N20SISO	Ant1	2412	30~1000	3.00	-60.63	≤-17	PASS
11N20SISO	Ant1	2412	1000~26500	3.00	-29.43	≤-17	PASS
11N20SISO	Ant1	2437	0~Reference	-0.28	-0.28	---	PASS
11N20SISO	Ant1	2437	30~1000	-0.28	-61.11	≤-20.28	PASS
11N20SISO	Ant1	2437	1000~26500	-0.28	-29.97	≤-20.28	PASS
11N20SISO	Ant1	2462	0~Reference	-0.35	-0.35	---	PASS
11N20SISO	Ant1	2462	30~1000	-0.35	-60.89	≤-20.35	PASS
11N20SISO	Ant1	2462	1000~26500	-0.35	-30.47	≤-20.35	PASS
11N40SISO	Ant1	2422	0~Reference	-1.47	-1.47	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.47	-60.22	≤-21.47	PASS
11N40SISO	Ant1	2422	1000~26500	-1.47	-30.76	≤-21.47	PASS
11N40SISO	Ant1	2437	0~Reference	-2.97	-2.97	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.97	-60.65	≤-22.97	PASS
11N40SISO	Ant1	2437	1000~26500	-2.97	-30.72	≤-22.97	PASS
11N40SISO	Ant1	2452	0~Reference	-3.05	-3.05	---	PASS
11N40SISO	Ant1	2452	30~1000	-3.05	-60.94	≤-23.05	PASS
11N40SISO	Ant1	2452	1000~26500	-3.05	-29.9	≤-23.05	PASS
11AX20SISO	Ant1	2412	0~Reference	-1.27	-1.27	---	PASS
11AX20SISO	Ant1	2412	30~1000	-1.27	-60.81	≤-21.27	PASS
11AX20SISO	Ant1	2412	1000~26500	-1.27	-30.18	≤-21.27	PASS
11AX20SISO	Ant1	2437	0~Reference	-1.02	-1.02	---	PASS
11AX20SISO	Ant1	2437	30~1000	-1.02	-61.04	≤-21.02	PASS
11AX20SISO	Ant1	2437	1000~26500	-1.02	-30.37	≤-21.02	PASS
11AX20SISO	Ant1	2462	0~Reference	-1.52	-1.52	---	PASS
11AX20SISO	Ant1	2462	30~1000	-1.52	-60.3	≤-21.52	PASS
11AX20SISO	Ant1	2462	1000~26500	-1.52	-29.73	≤-21.52	PASS
11AX40SISO	Ant1	2422	0~Reference	-5.03	-5.03	---	PASS
11AX40SISO	Ant1	2422	30~1000	-5.03	-60.97	≤-25.03	PASS
11AX40SISO	Ant1	2422	1000~26500	-5.03	-29.4	≤-25.03	PASS
11AX40SISO	Ant1	2437	0~Reference	-4.90	-4.90	---	PASS
11AX40SISO	Ant1	2437	30~1000	-4.90	-60.92	≤-24.9	PASS
11AX40SISO	Ant1	2437	1000~26500	-4.90	-29.29	≤-24.9	PASS
11AX40SISO	Ant1	2452	0~Reference	-5.74	-5.74	---	PASS
11AX40SISO	Ant1	2452	30~1000	-5.74	-61.11	≤-25.74	PASS
11AX40SISO	Ant1	2452	1000~26500	-5.74	-30.48	≤-25.74	PASS

Test Graphs



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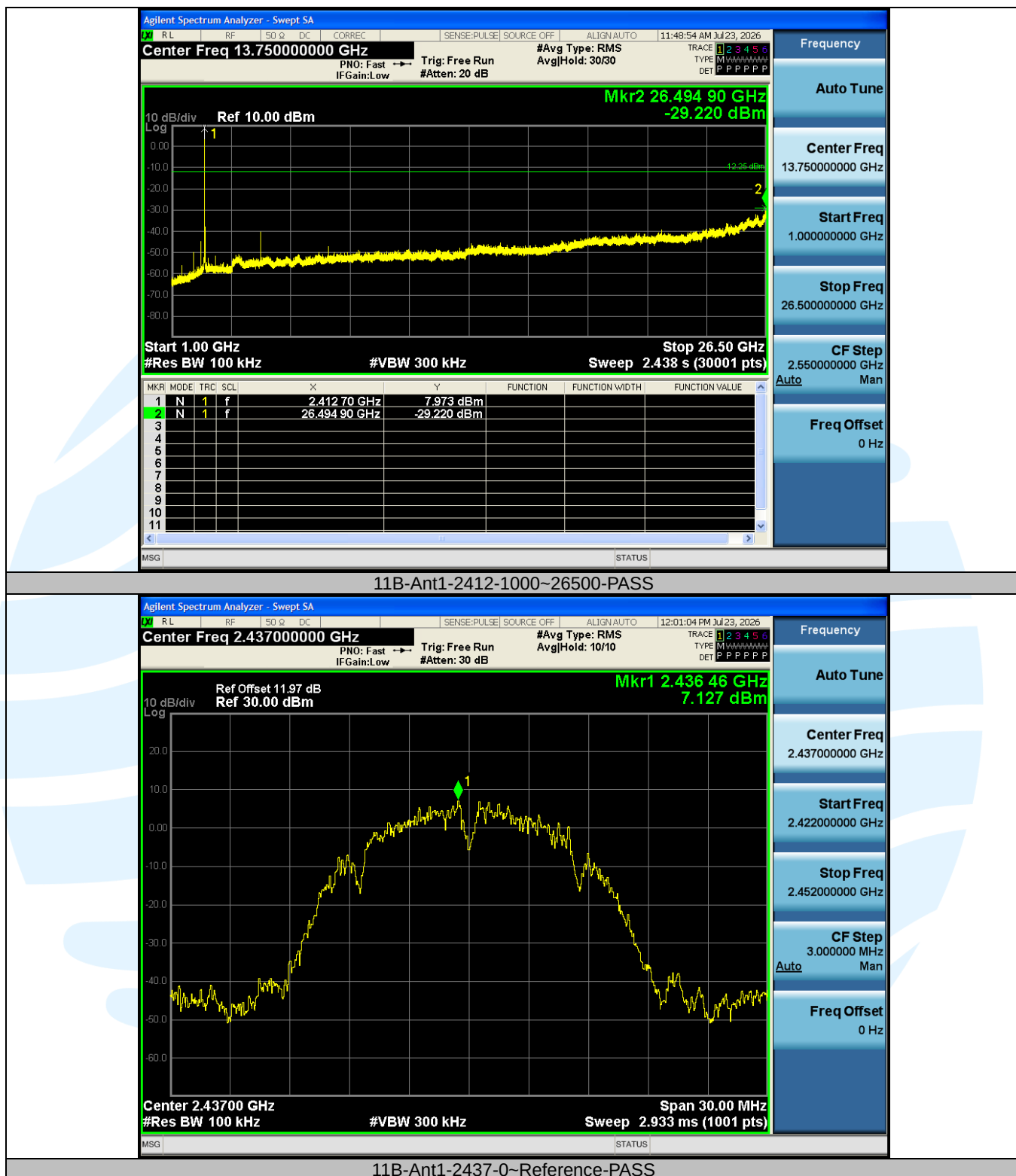
Tel: +86-755-28230888

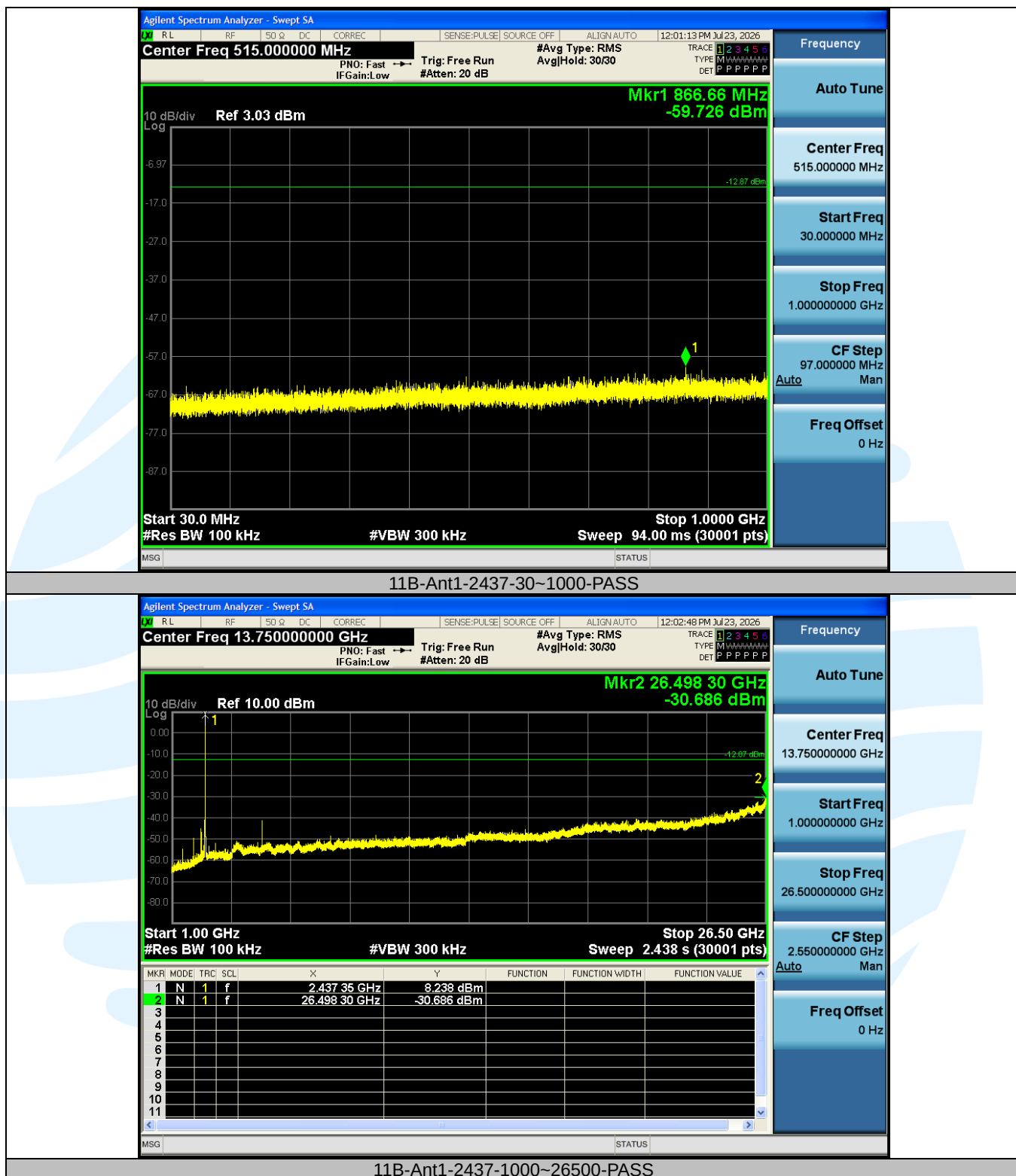
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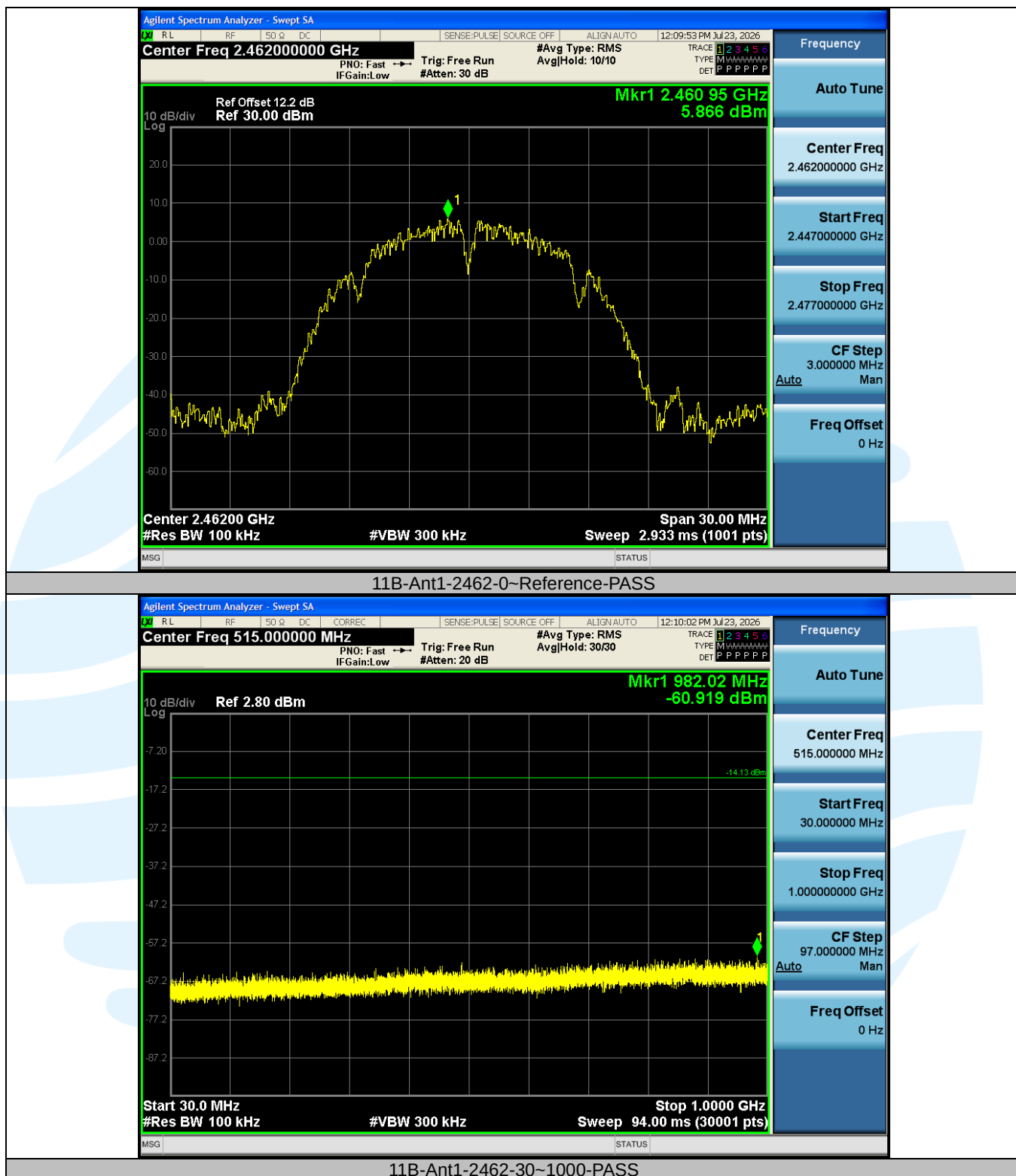
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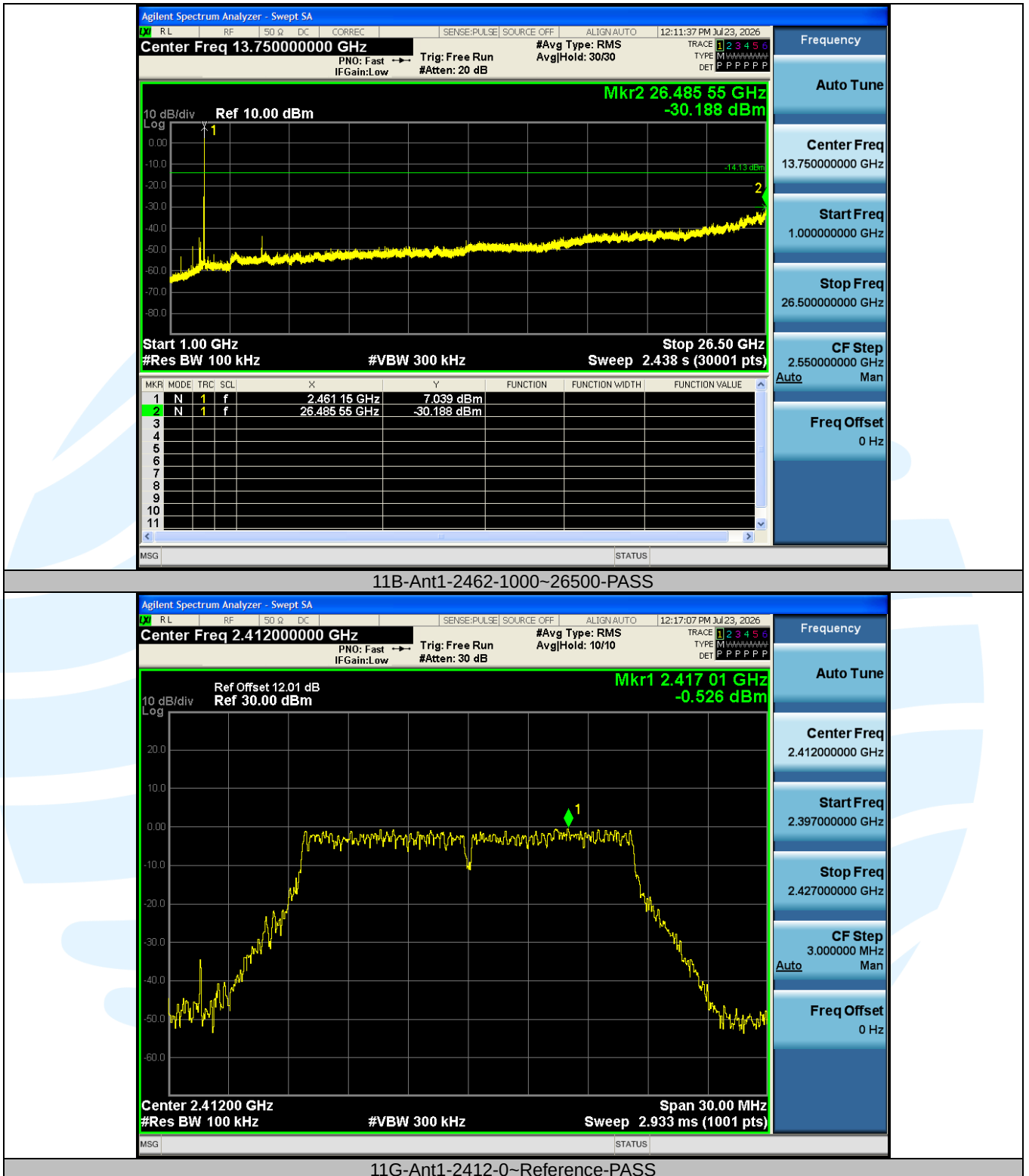
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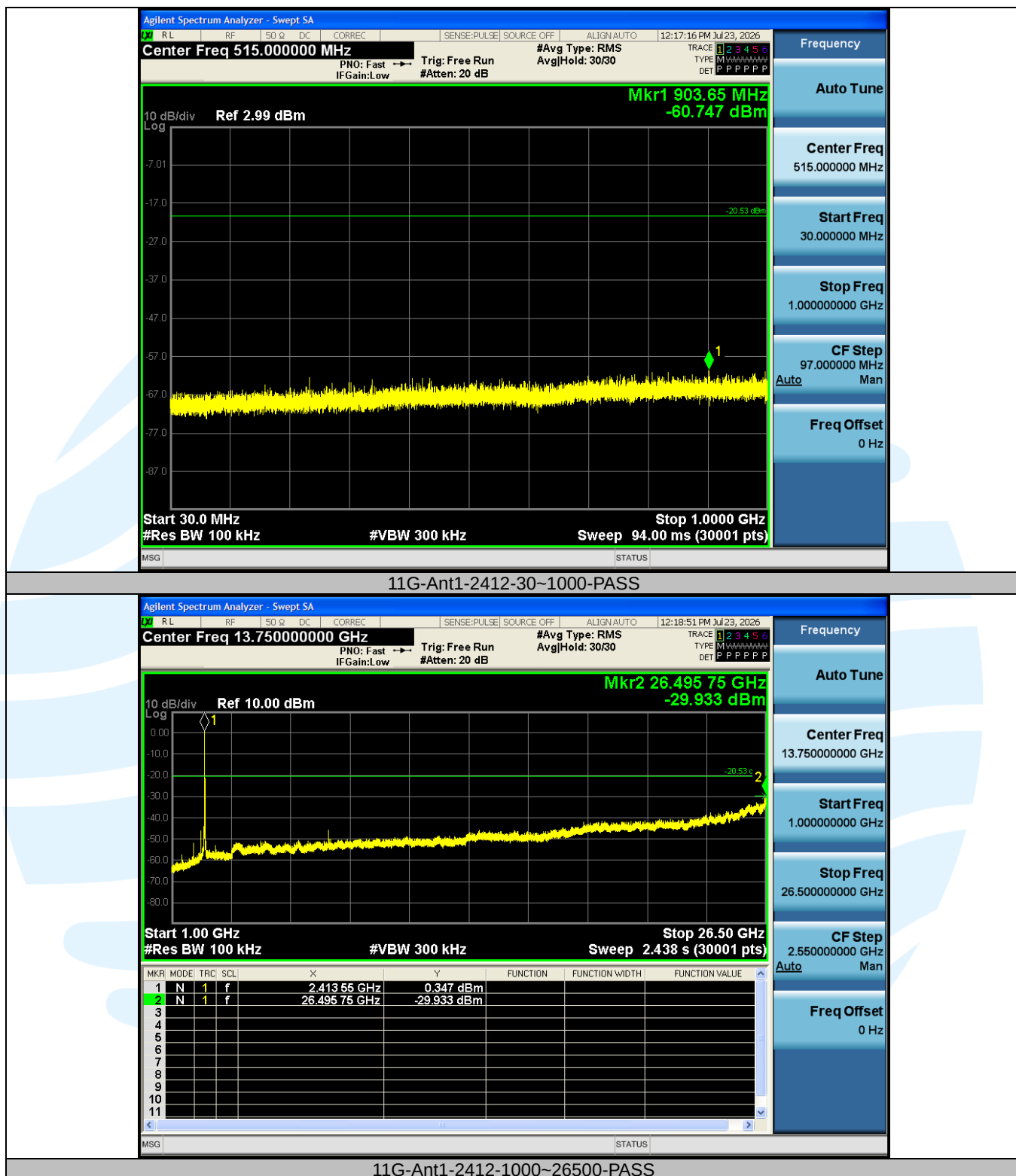
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