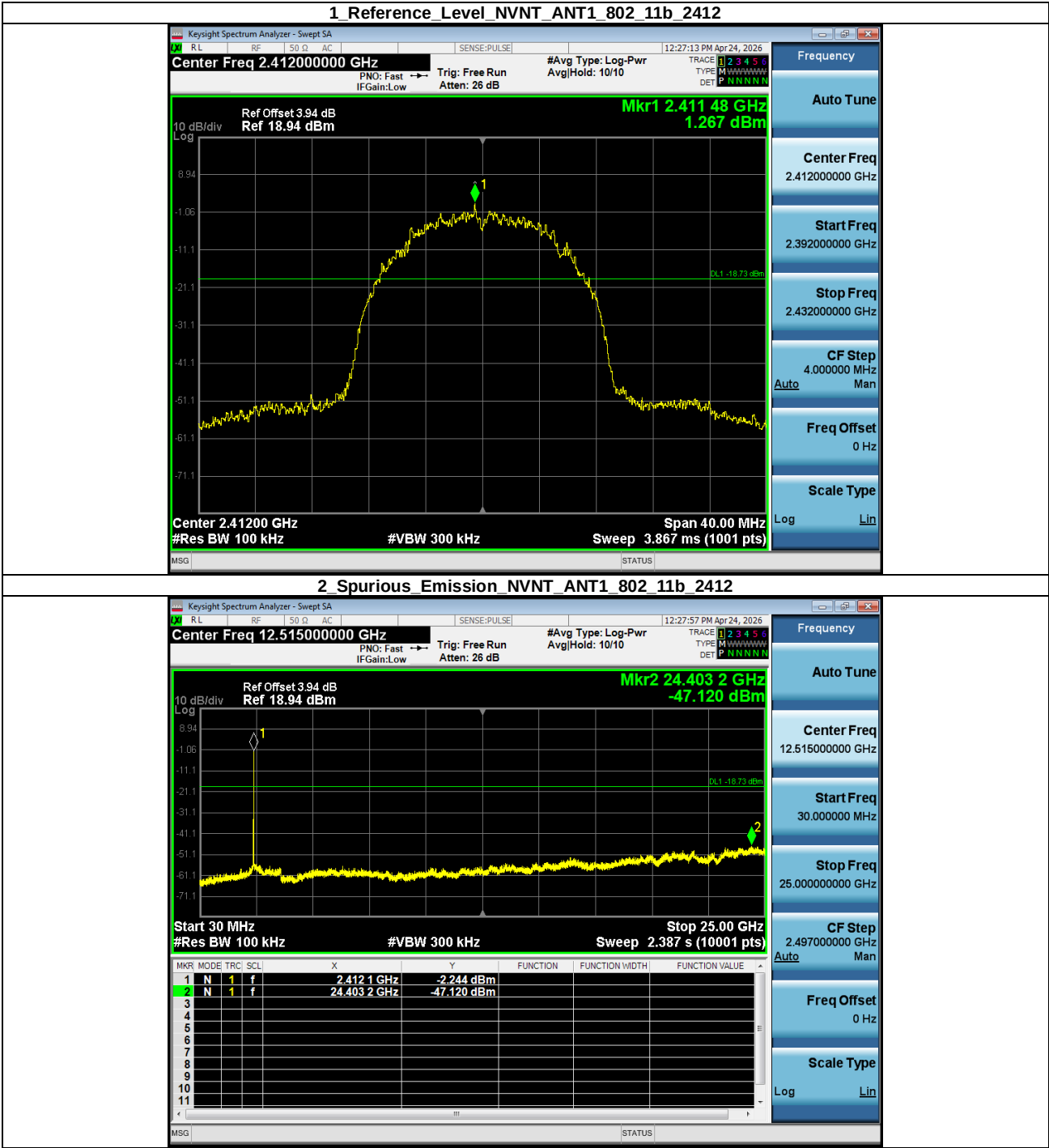
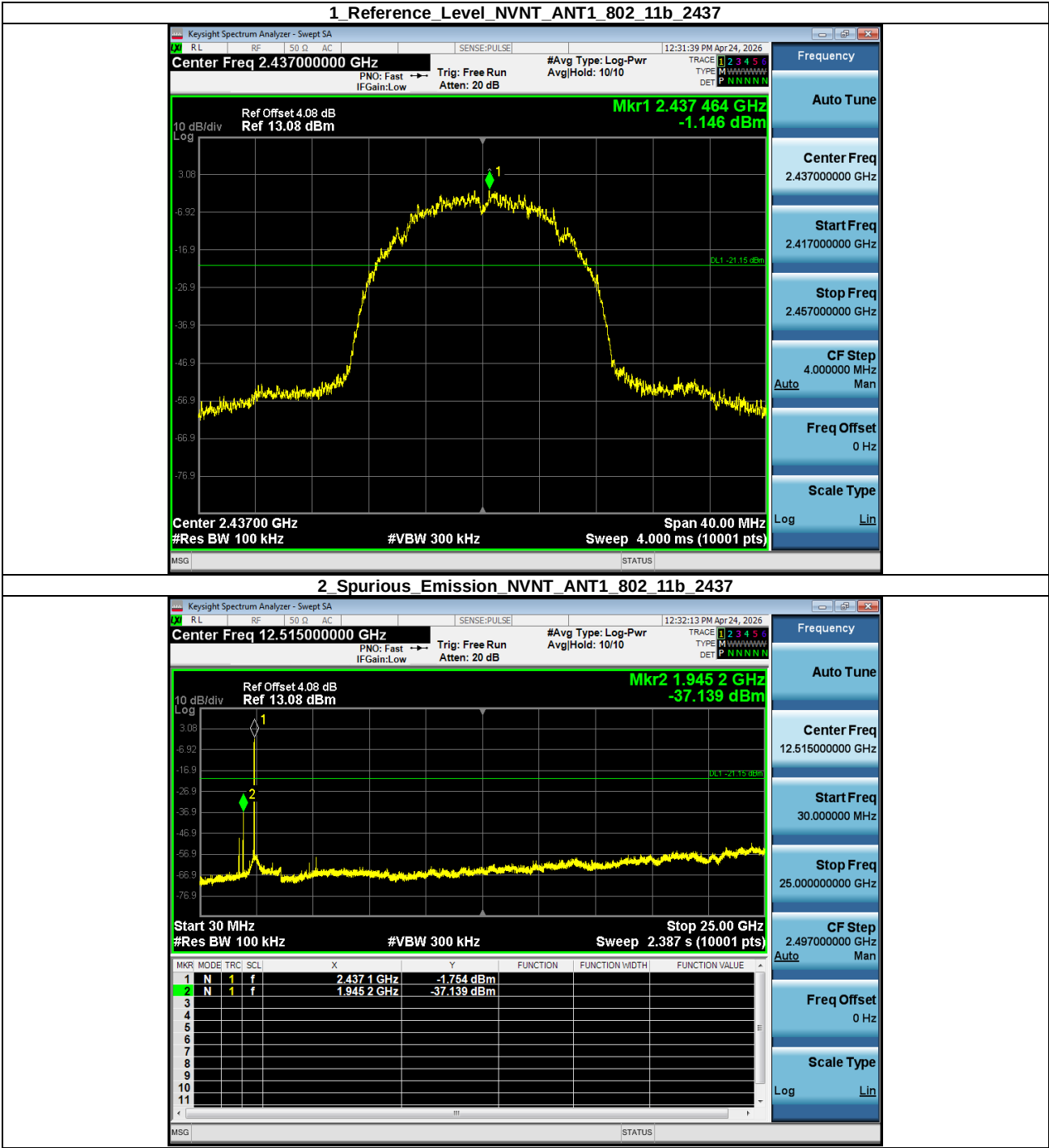
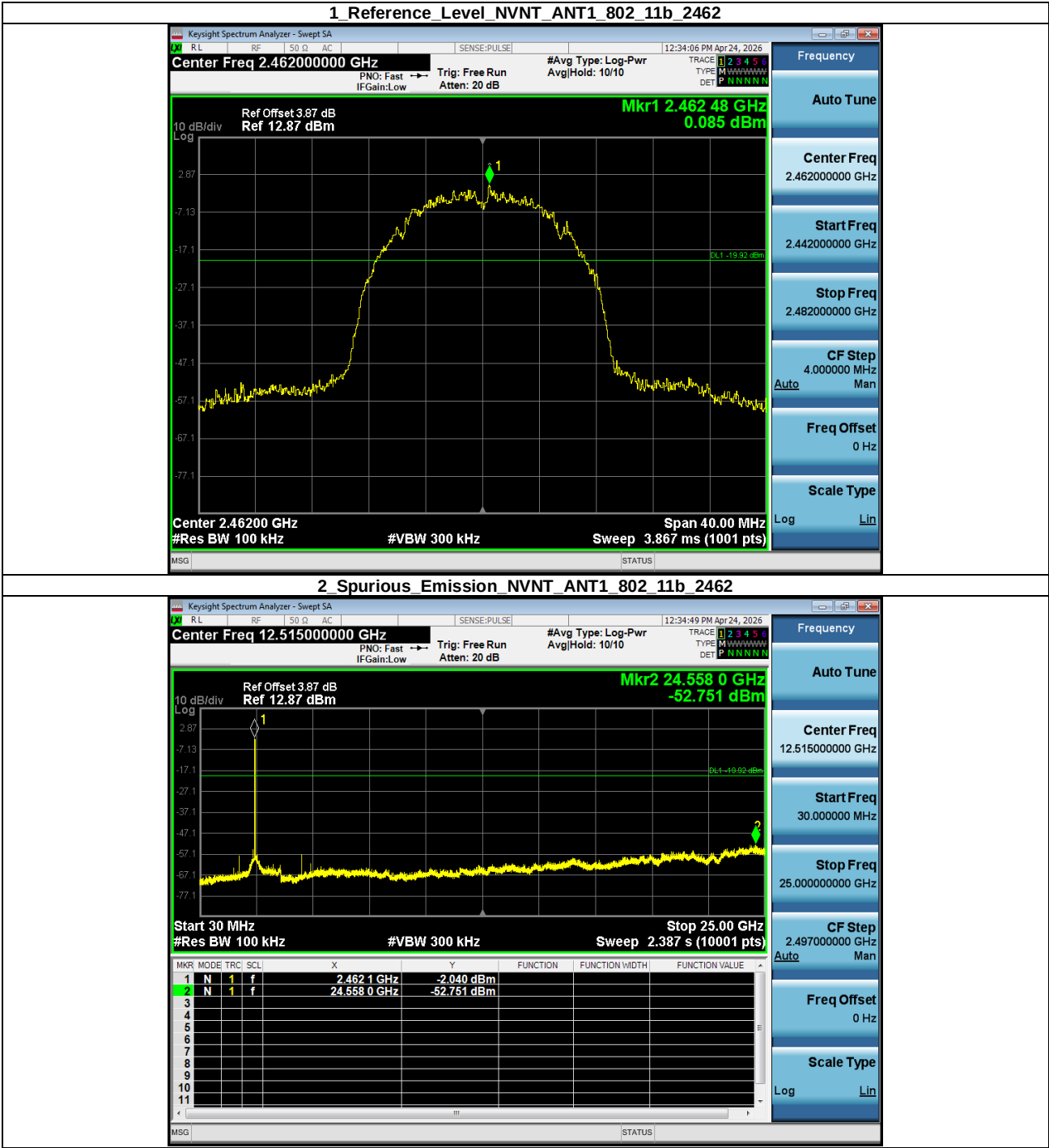
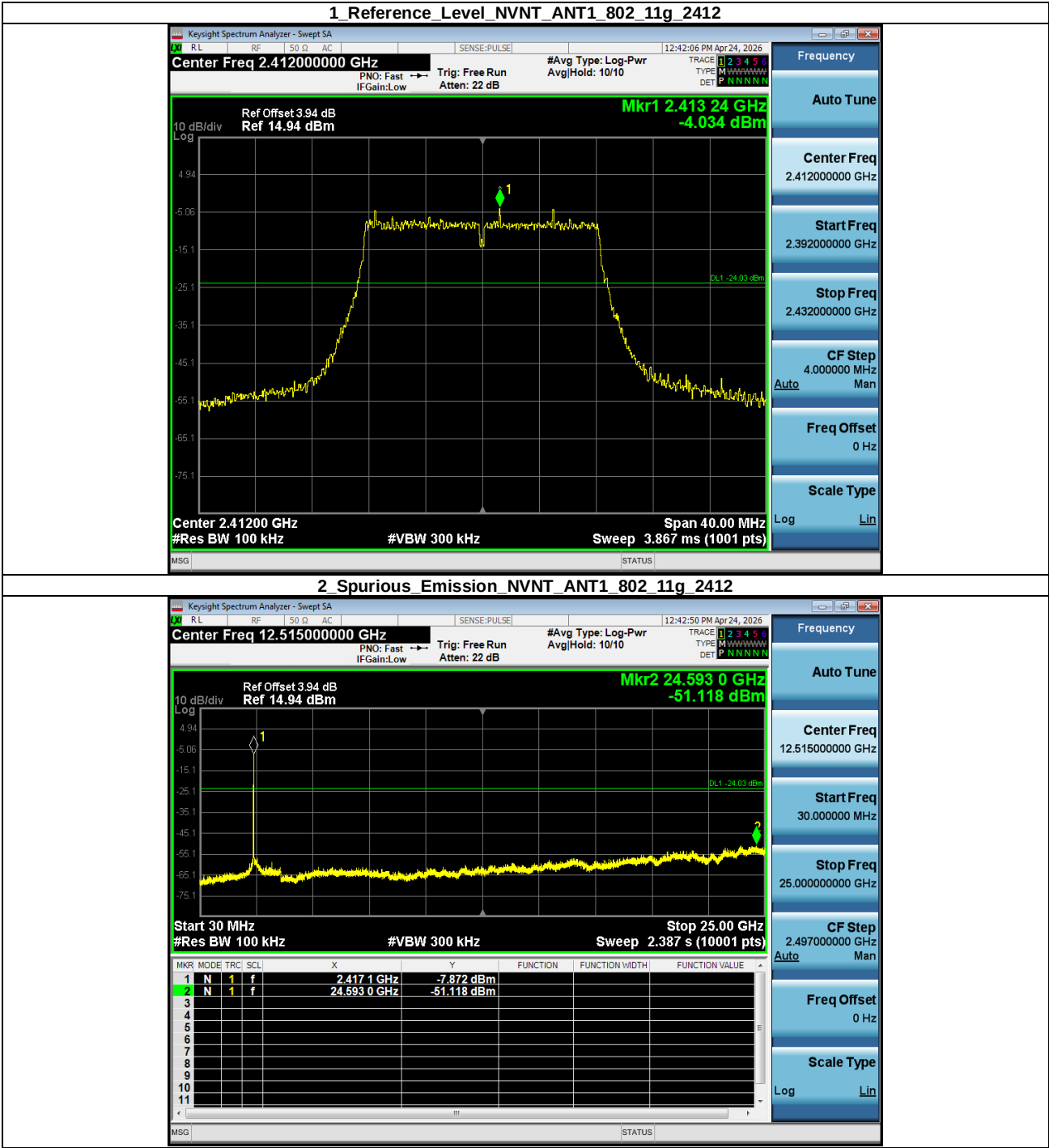
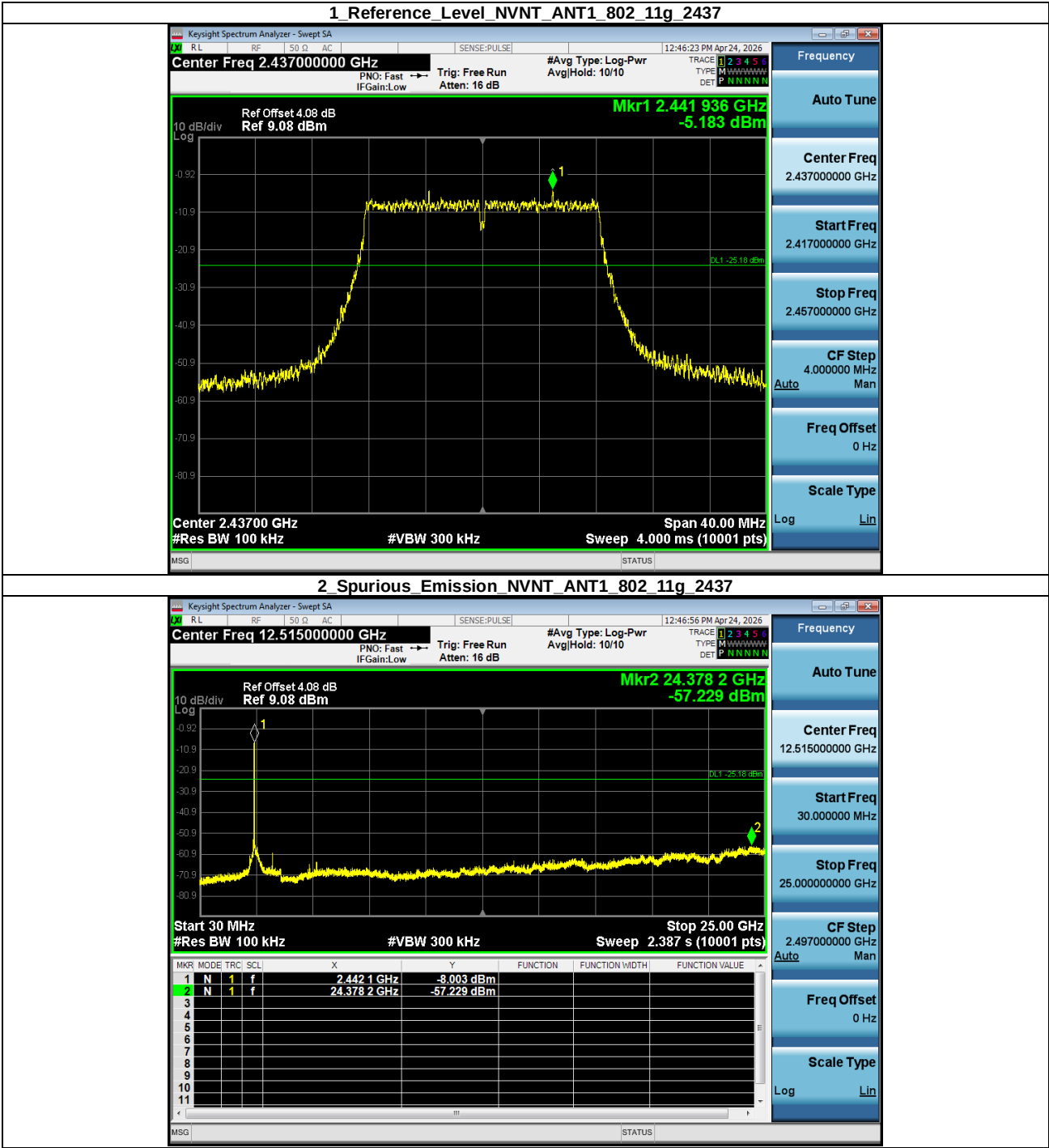


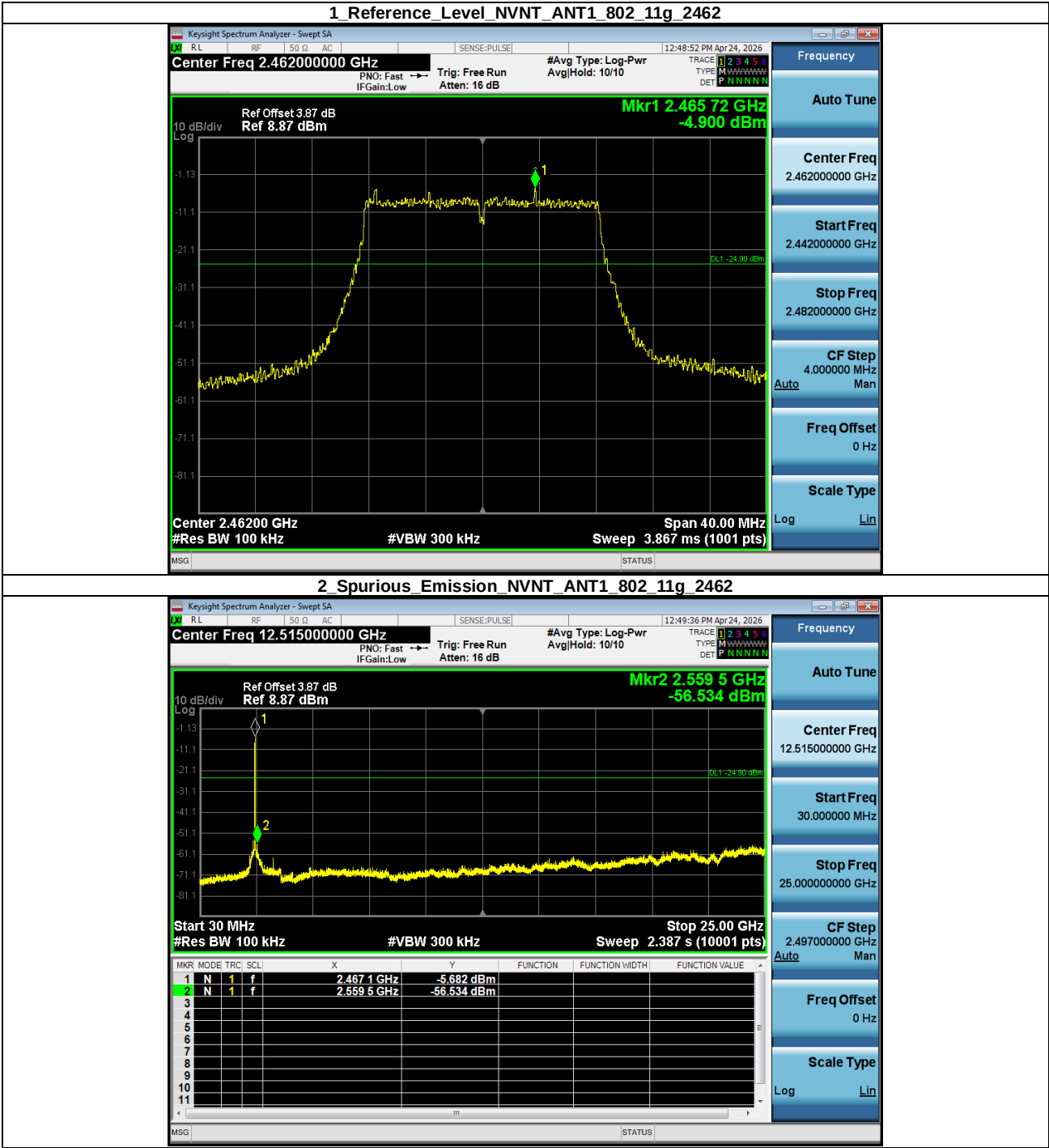


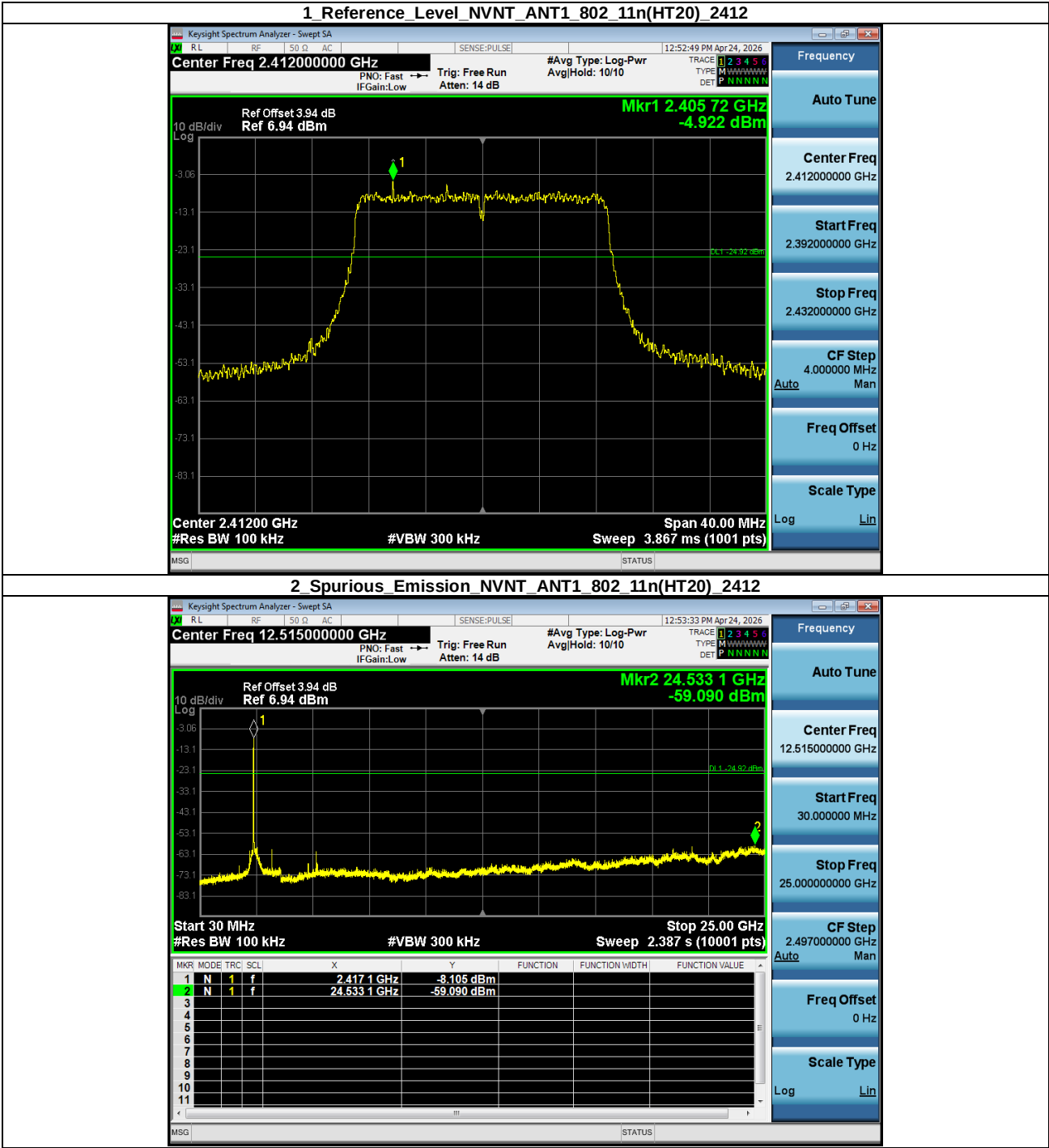


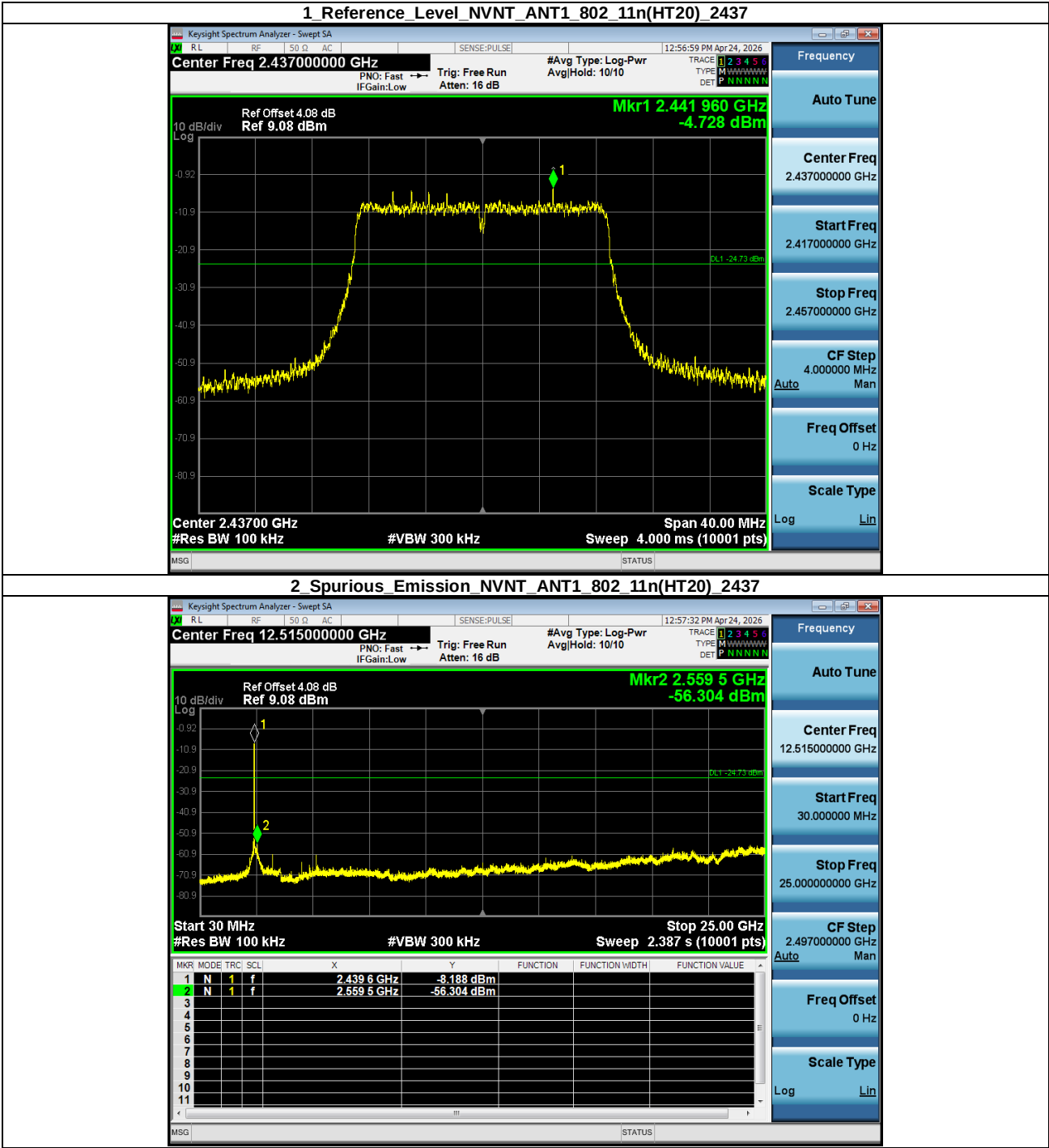


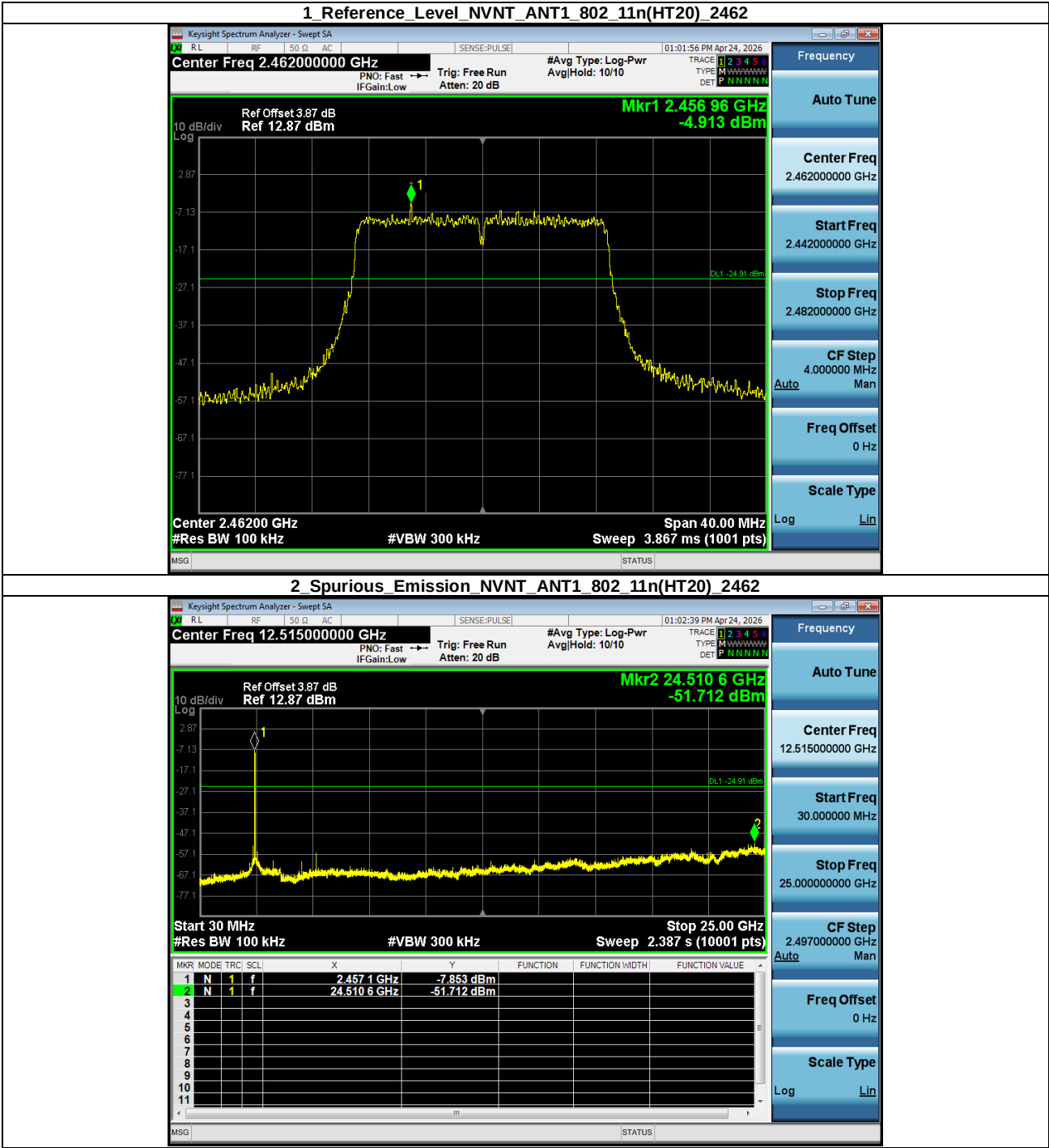


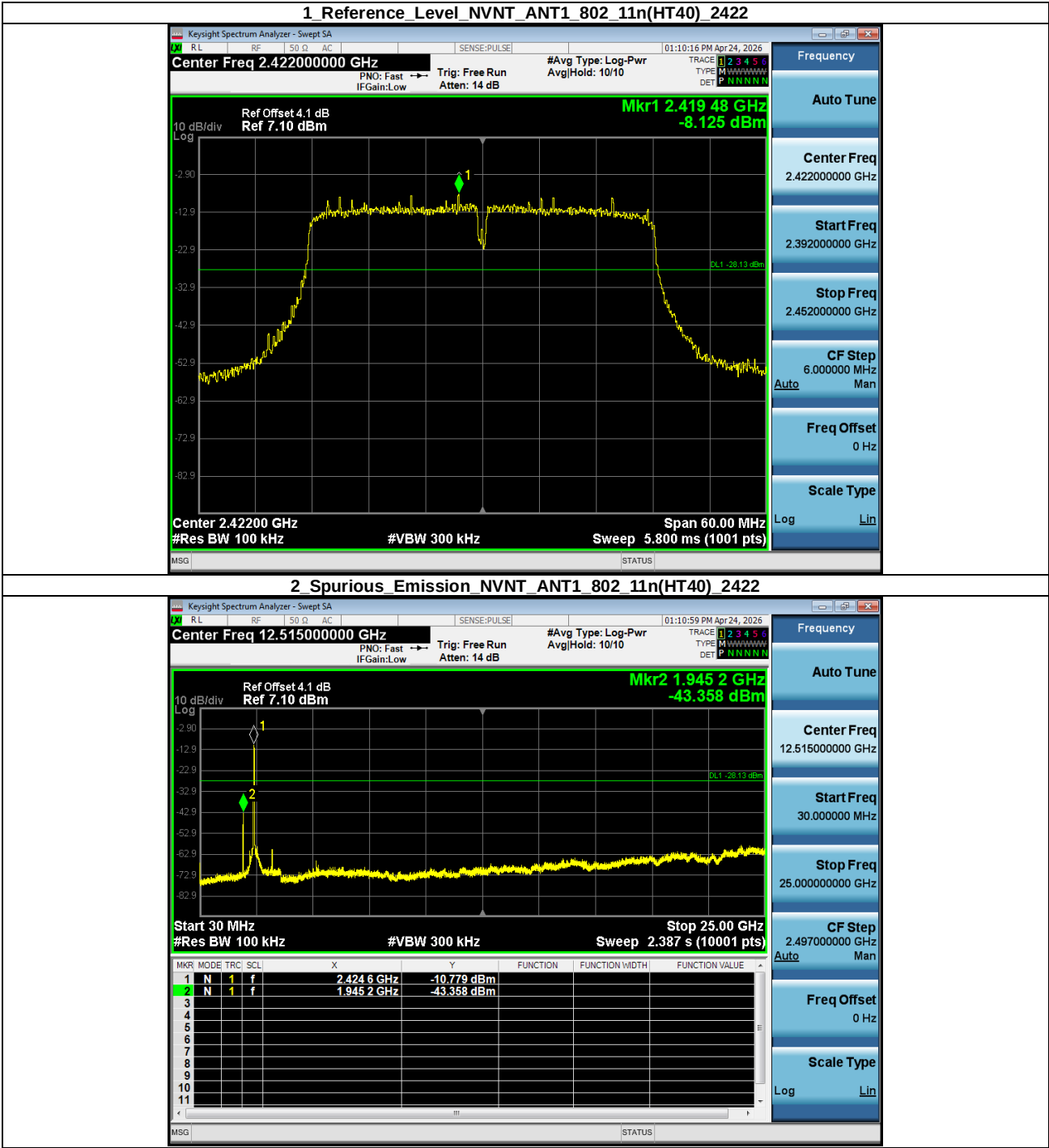


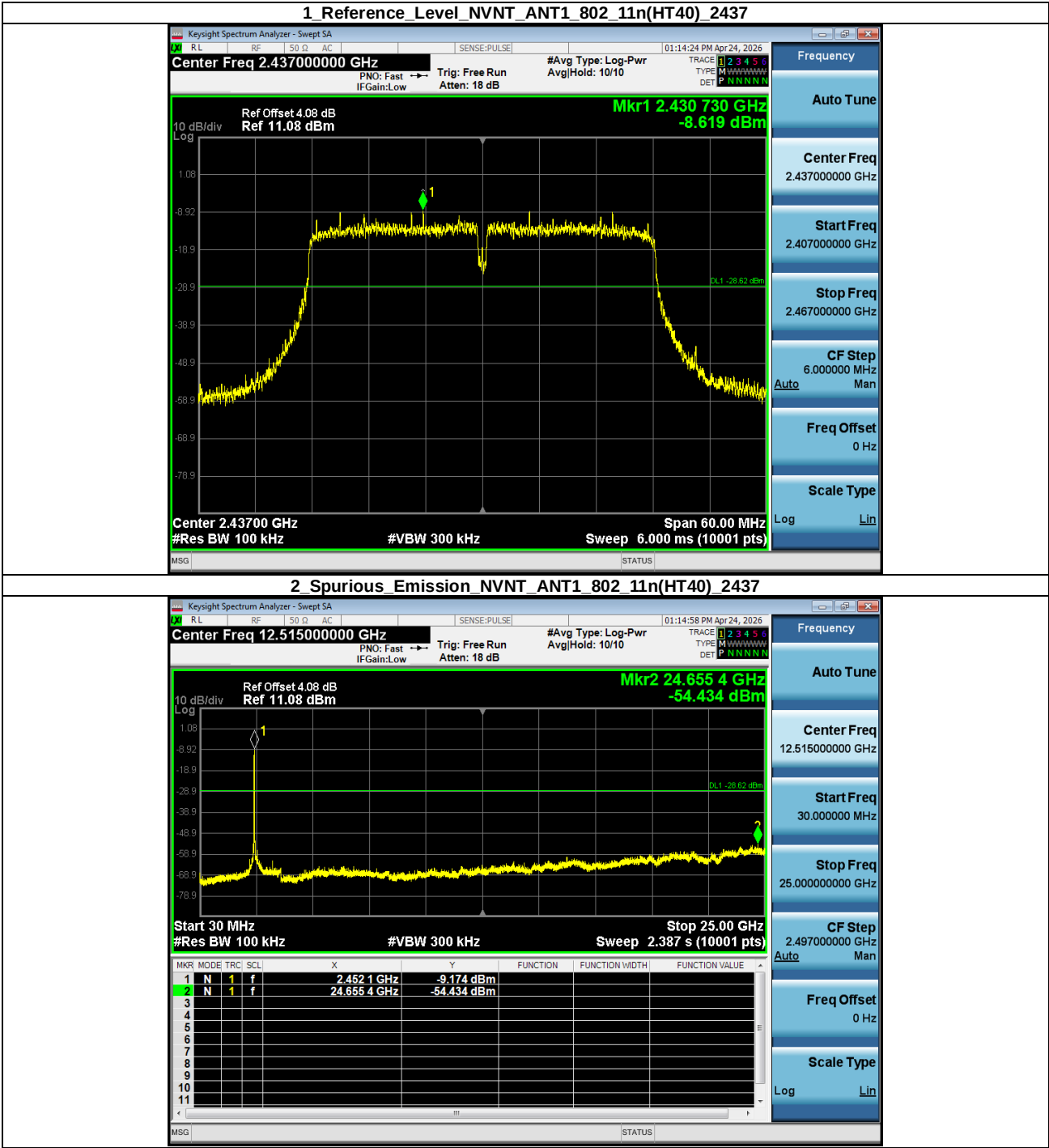


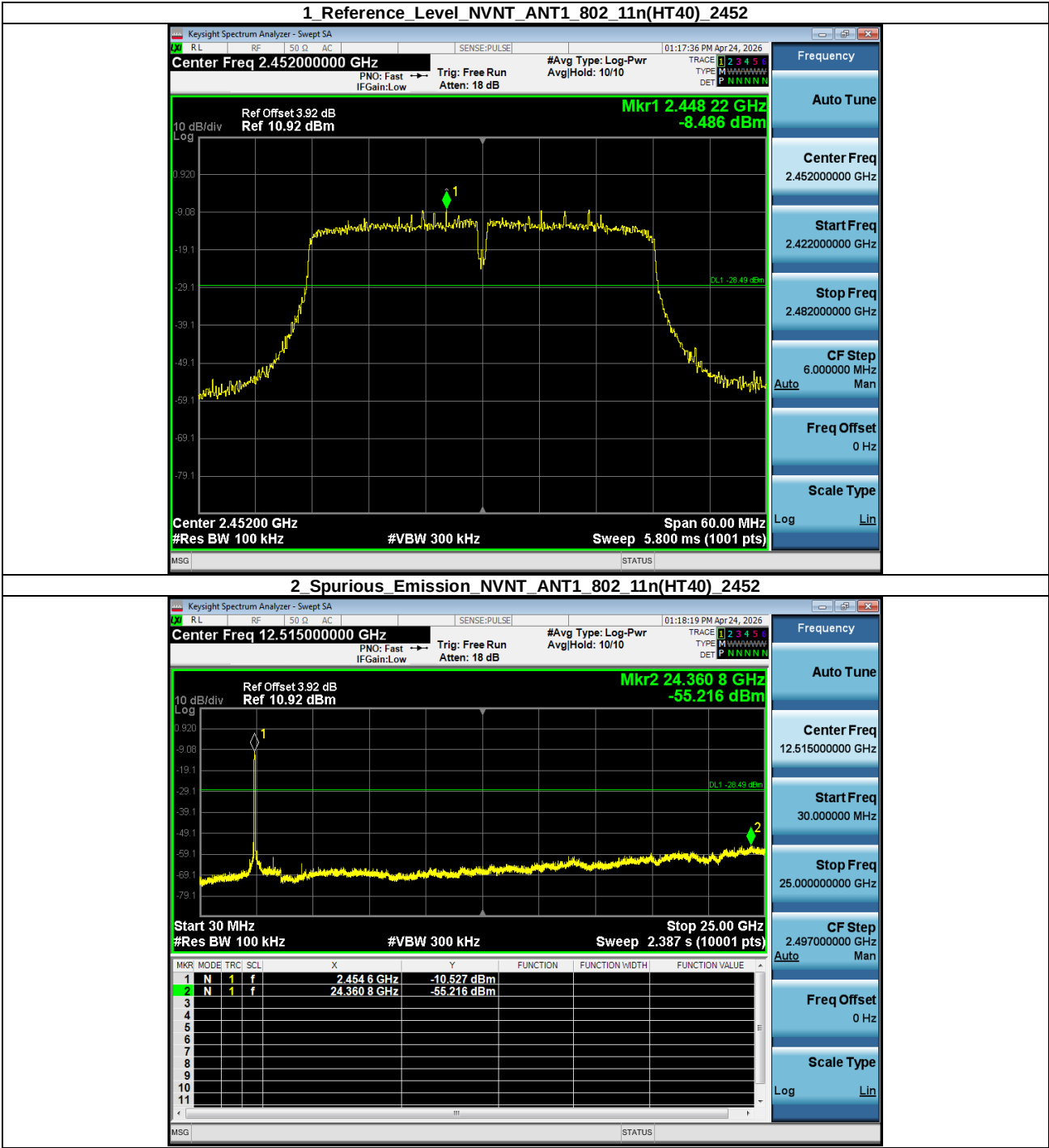












6. Conducted Maximum Output Power

6.1. Test limits

Please refer RSS-247 & FCC Part 15.247.

Regulation 15.247(b) The limit of Maximum Peak Output Power Measurement is 1 W(30dBm)

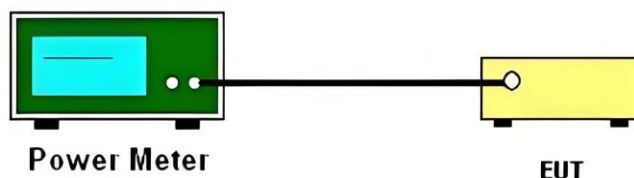
6.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

1. Place the EUT on the table and set it in transmitting mode.
2. Connected the EUT's antenna port to peak power meter.
3. Measure out each mode and each bands peak output power of EUT.

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

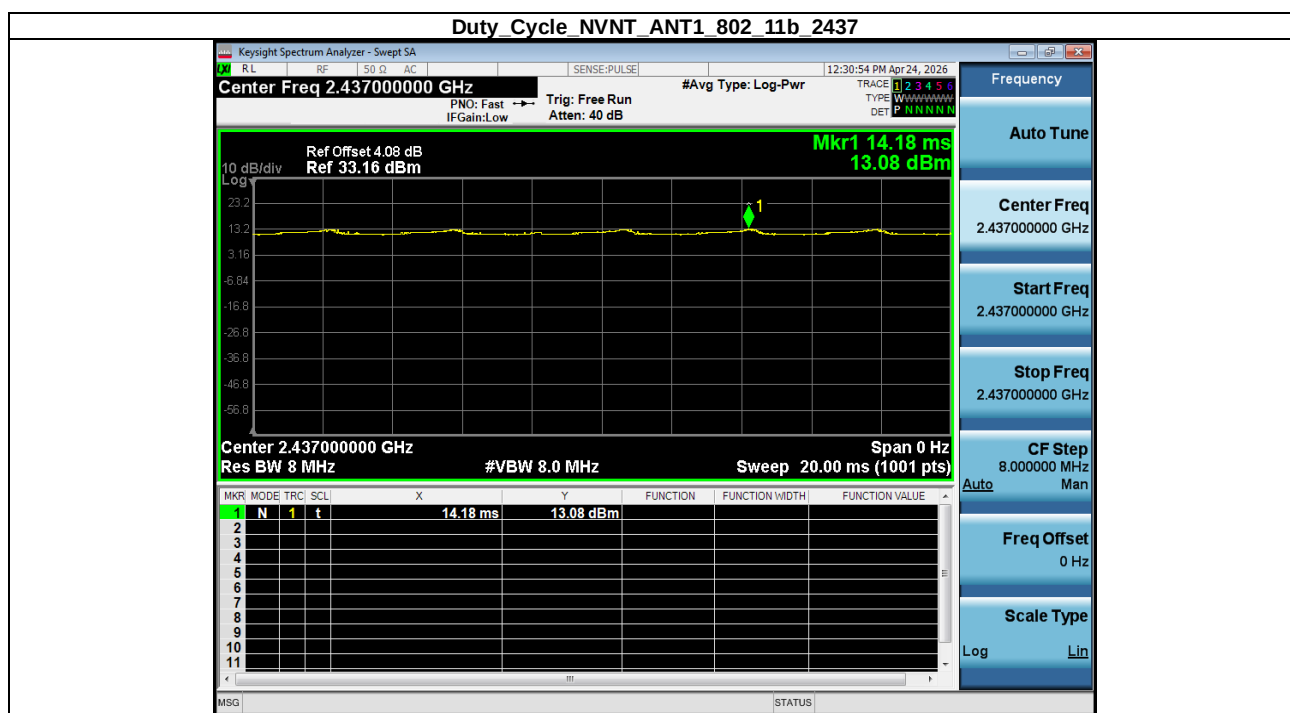
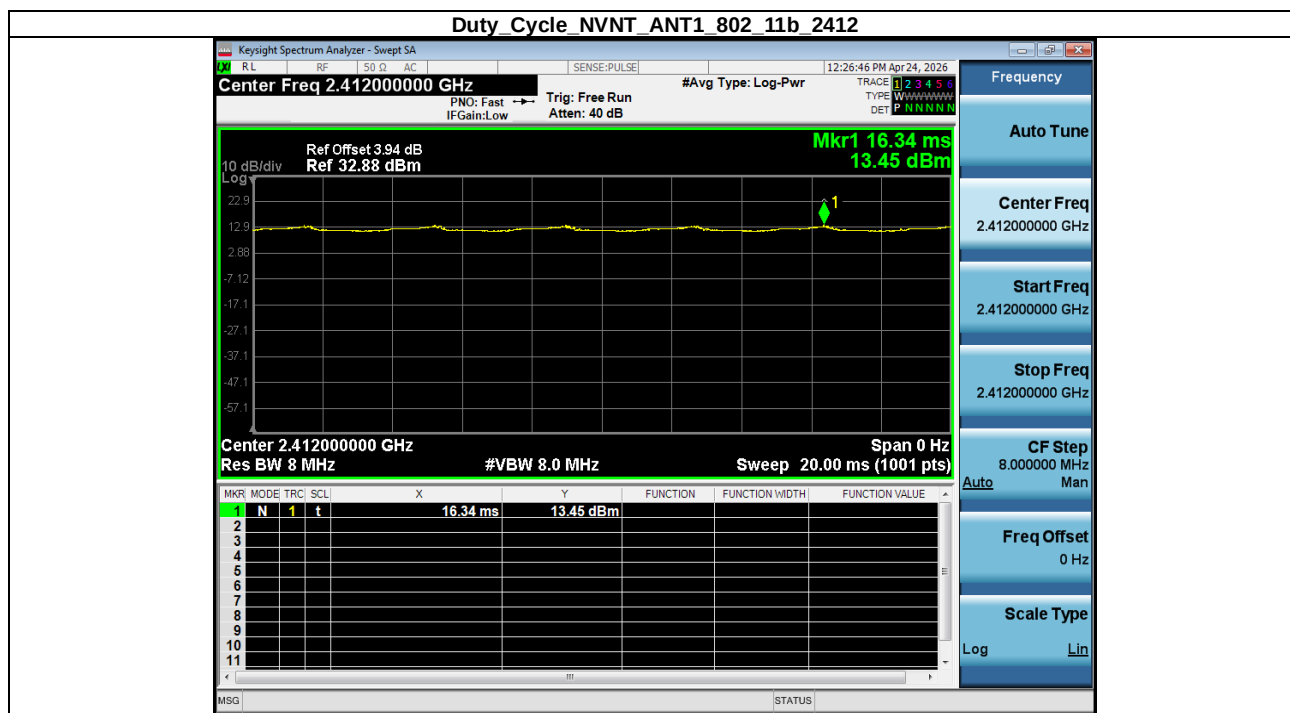
6.3. Test Setup

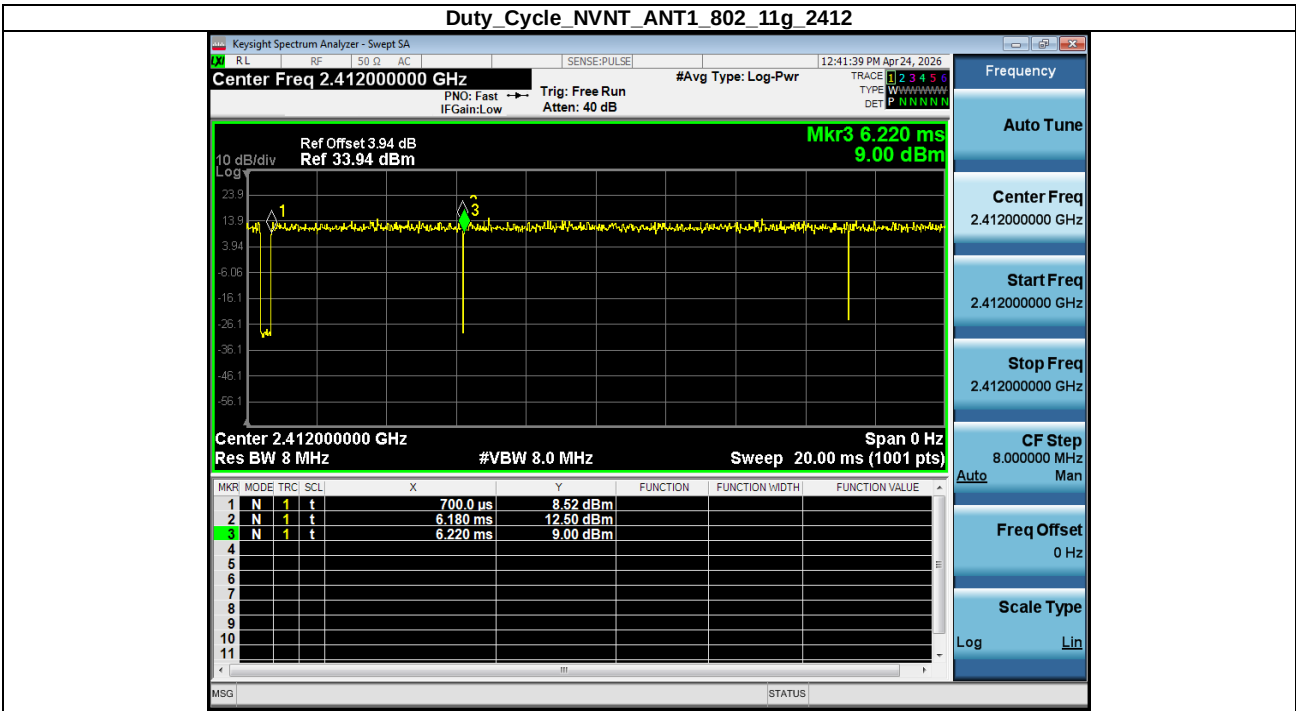
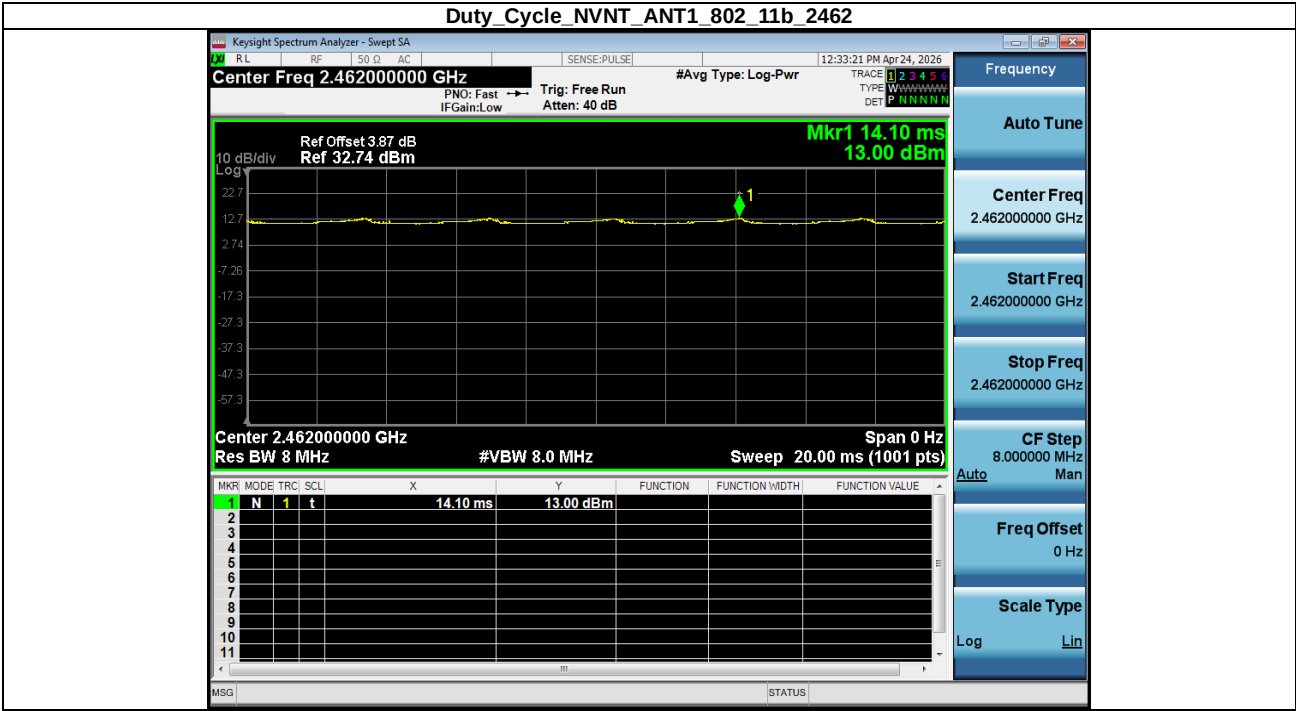


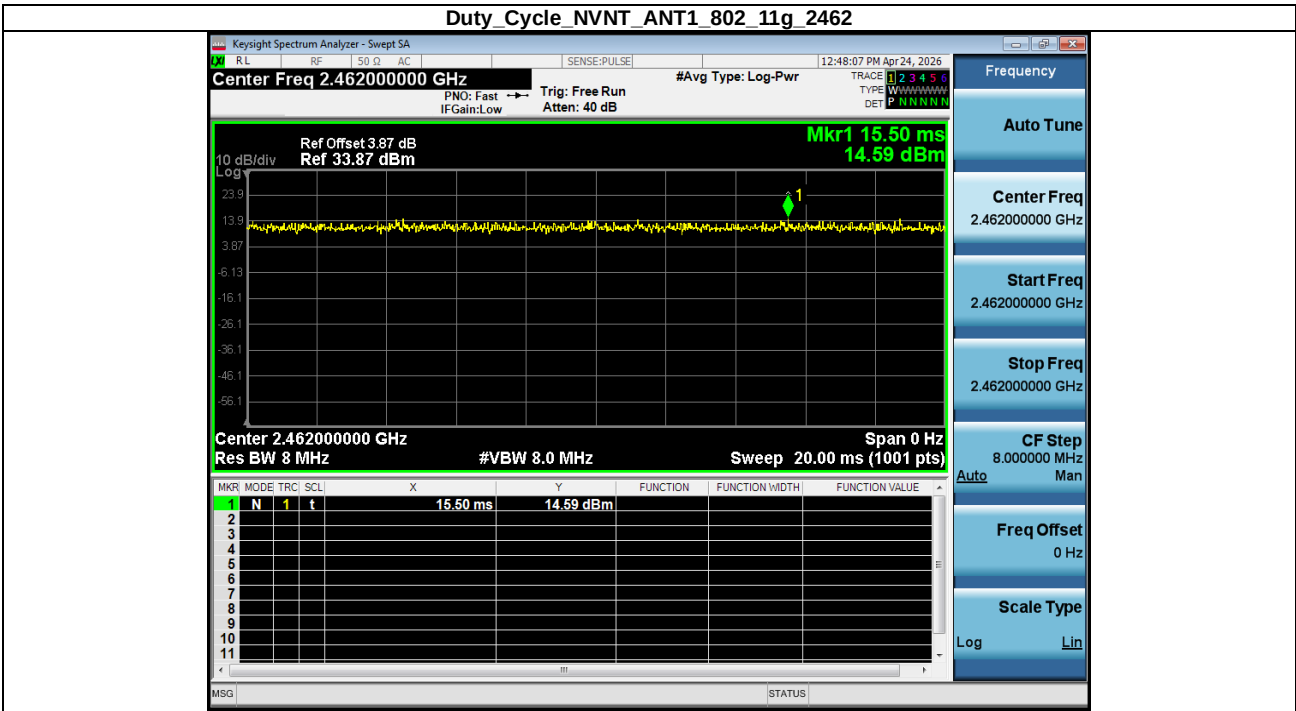
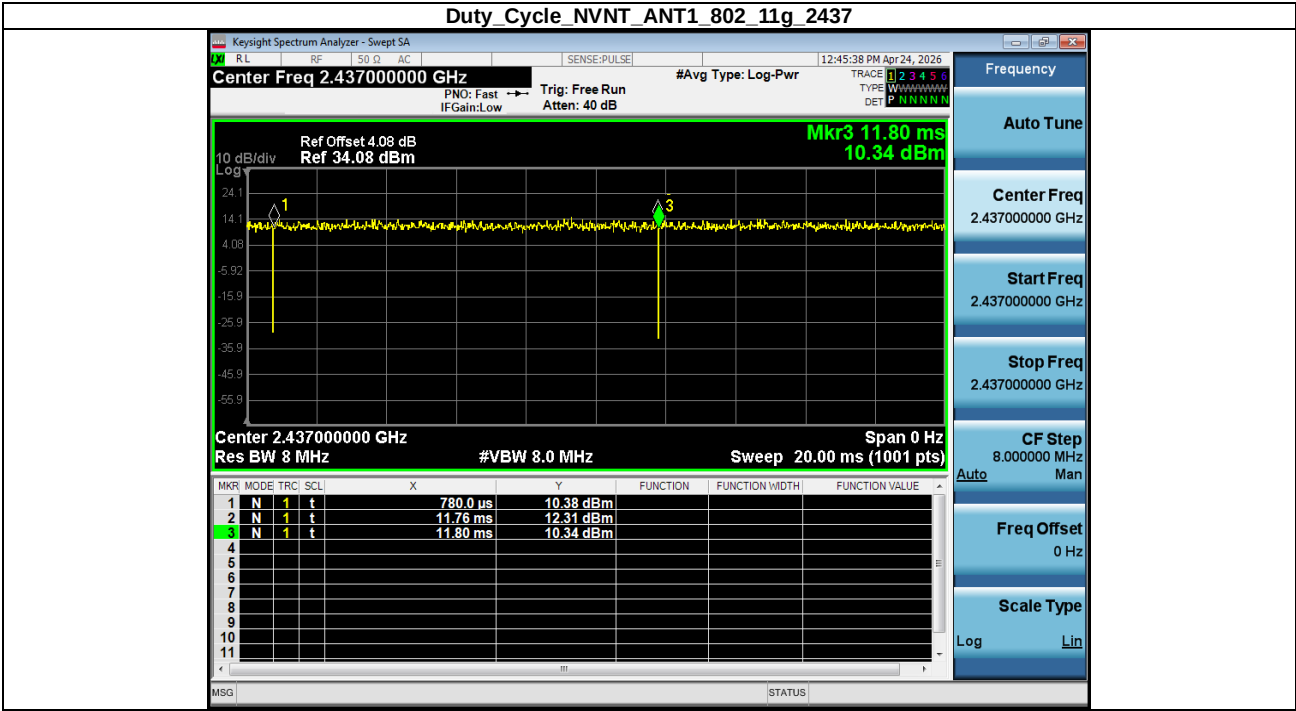
6.4. Test Results

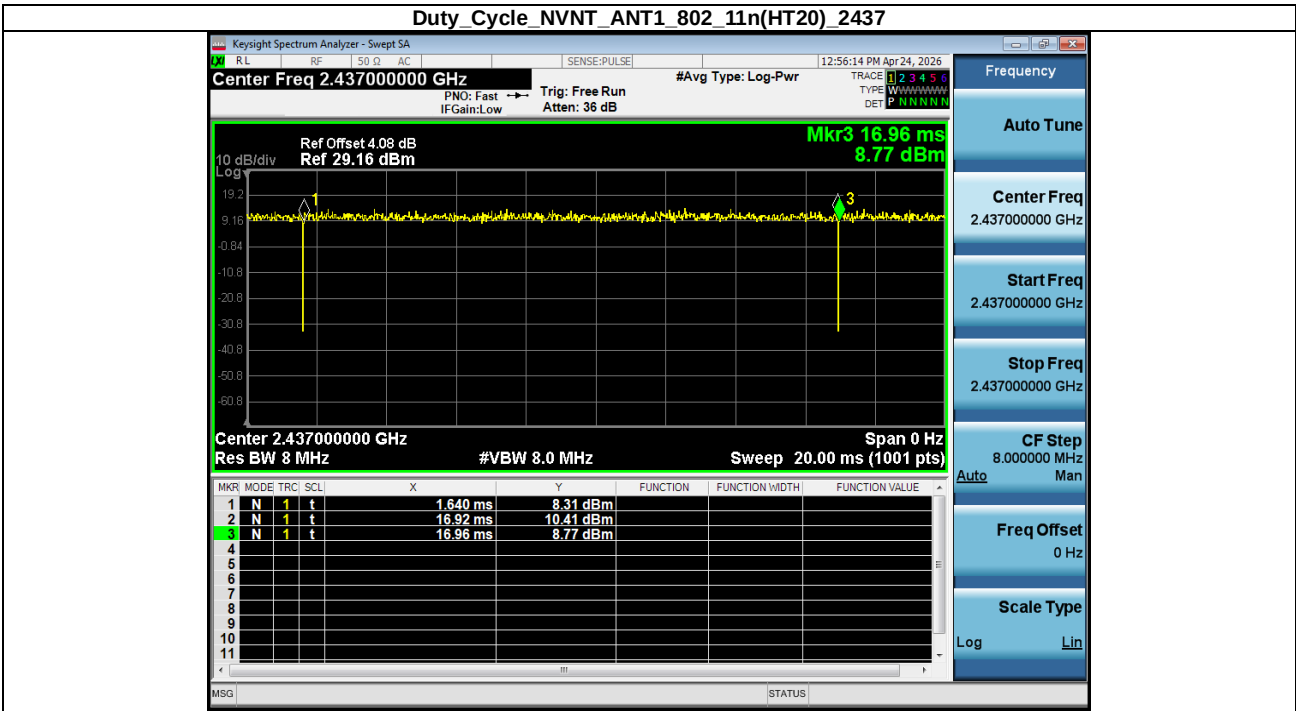
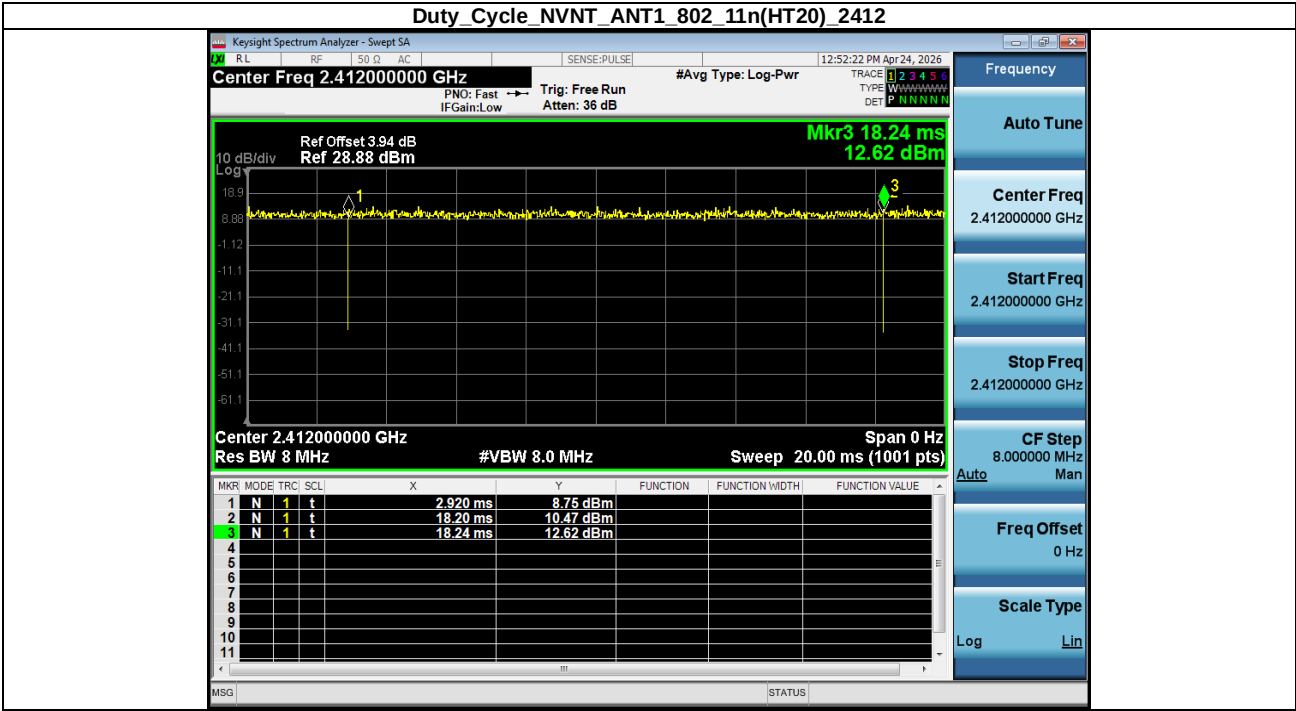
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	15.40	N/A	15.40	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	14.69	N/A	14.69	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	14.80	N/A	14.80	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	14.78	N/A	14.78	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	13.95	N/A	13.95	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	13.83	N/A	13.83	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	14.02	N/A	14.02	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	13.29	N/A	13.29	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	13.17	N/A	13.17	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	13.62	N/A	13.62	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	12.90	N/A	12.90	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	12.87	N/A	12.87	30	Pass

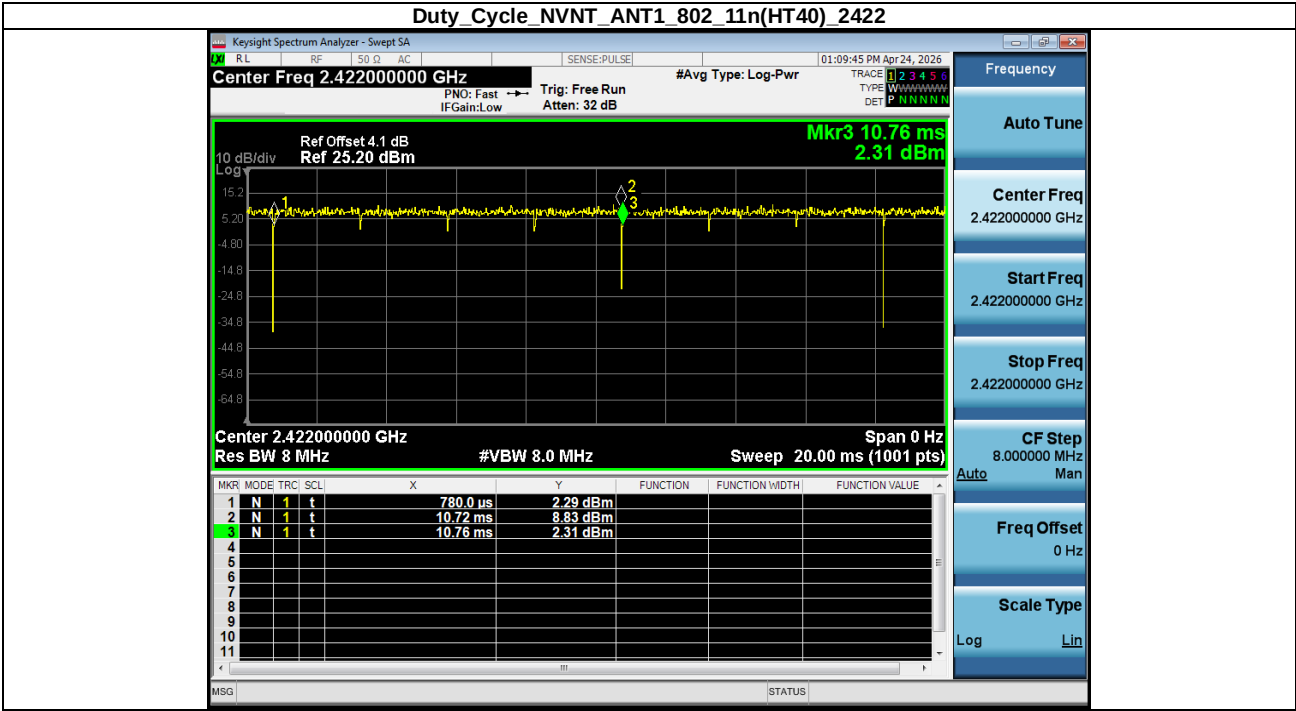
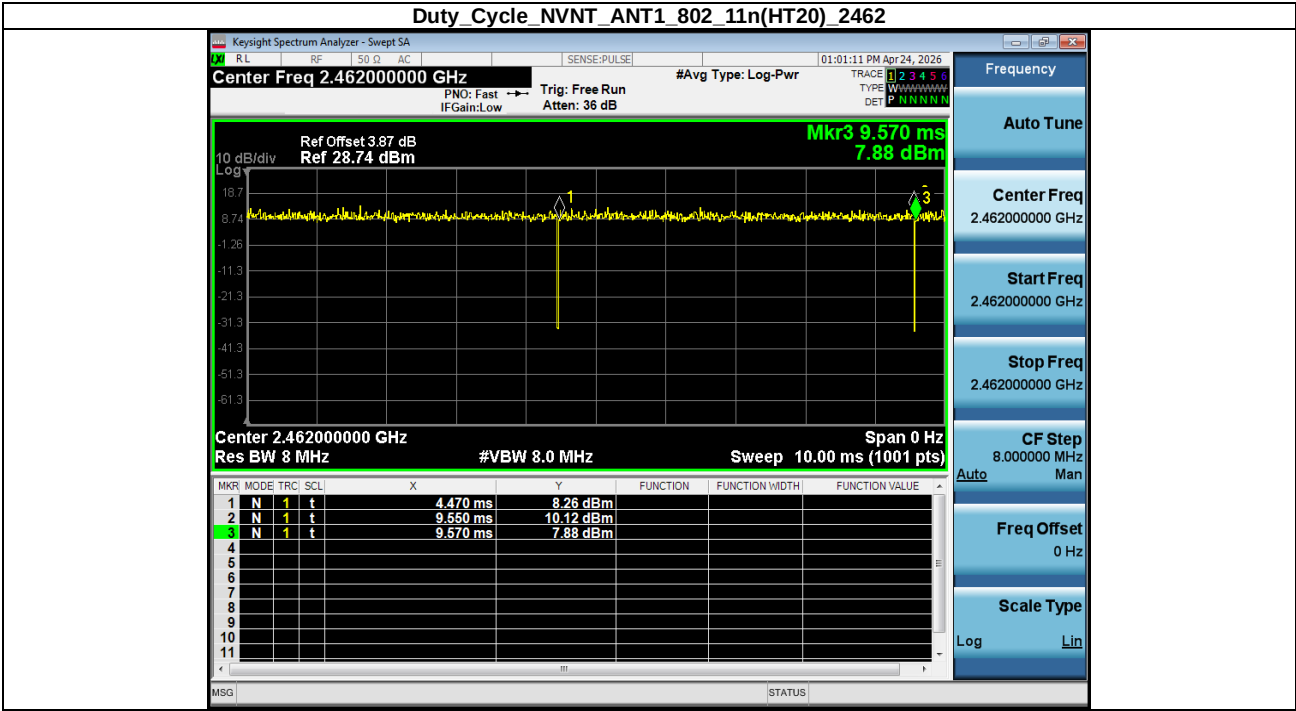
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	99.64	0.00
NVNT	ANT1	802.11g	2437.00	99.82	0.00
NVNT	ANT1	802.11g	2462.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	99.87	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	99.87	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	99.80	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	99.80	0.00
NVNT	ANT1	802.11n(HT40)	2437.00	99.80	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	99.80	0.00

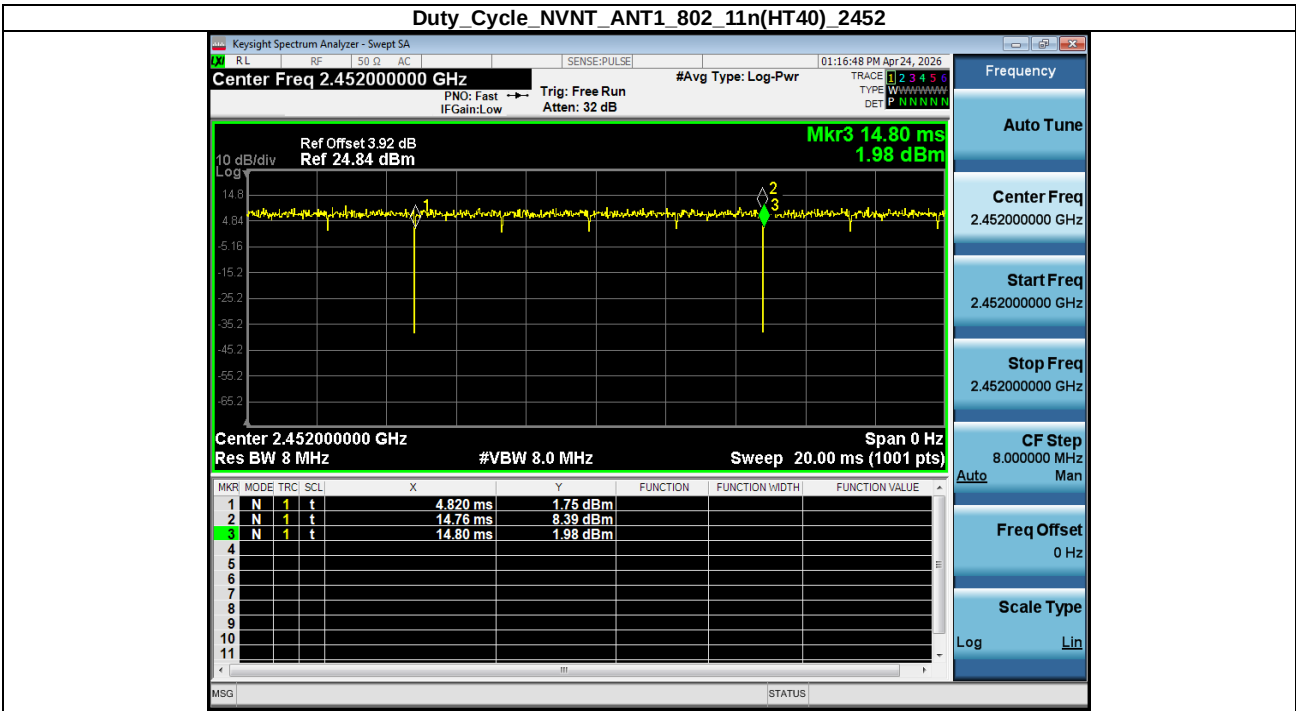
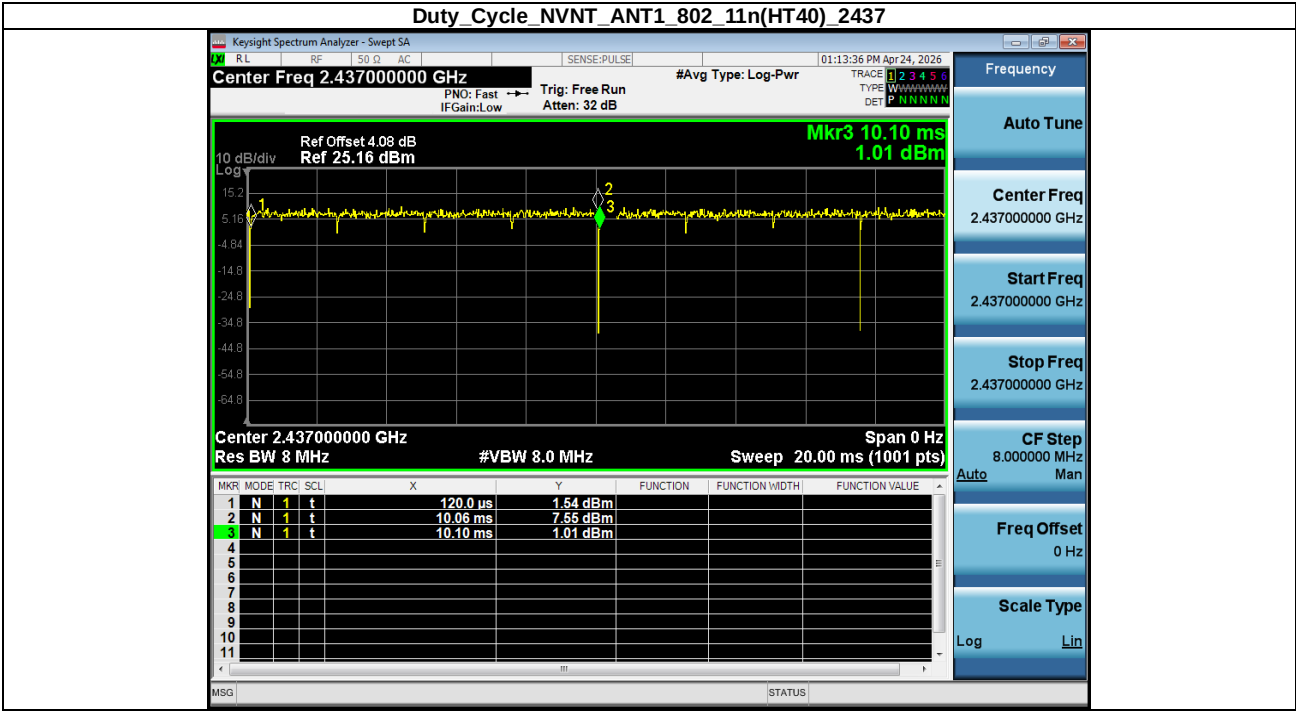












7. Peak Power Spectral Density

7.1. Test limits

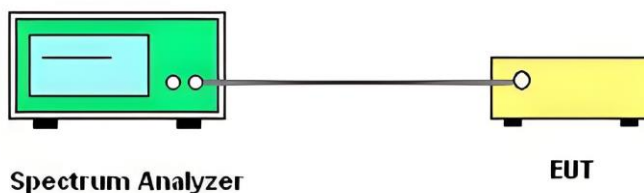
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of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

7.2. Test Procedure

Details see the KDB558074 D01 Meas Guidance v05r02

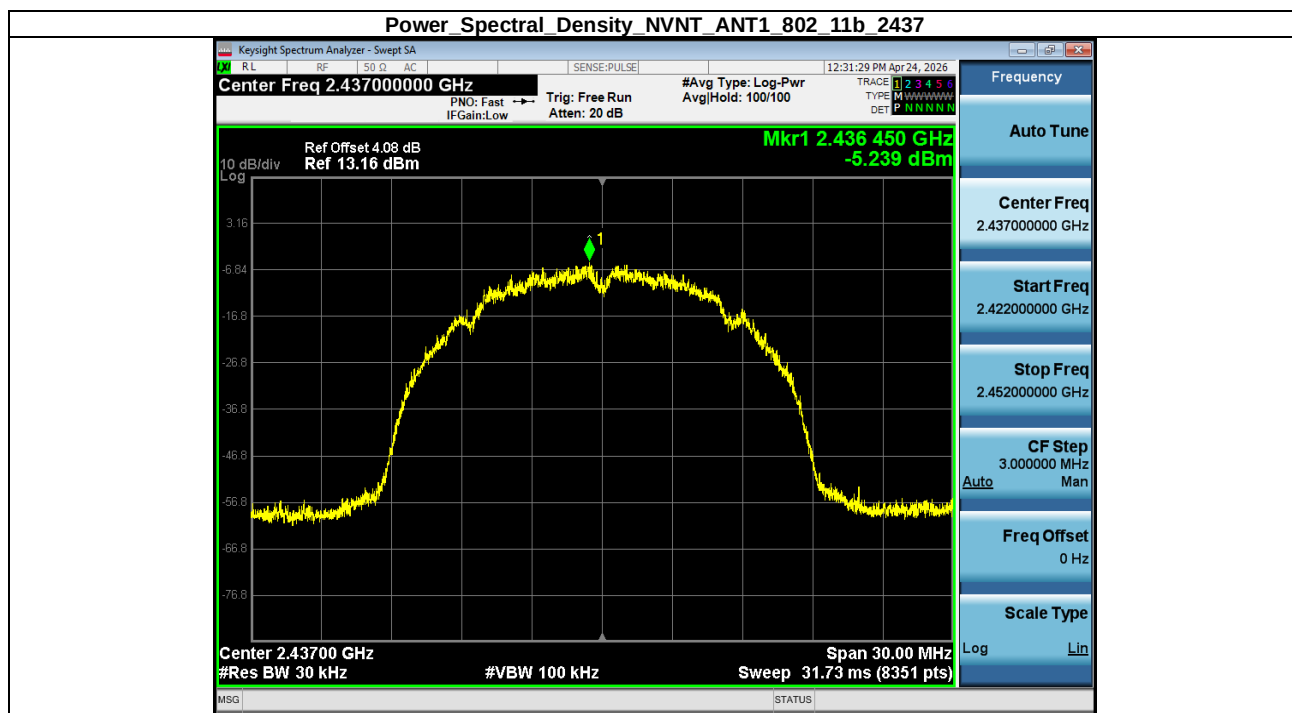
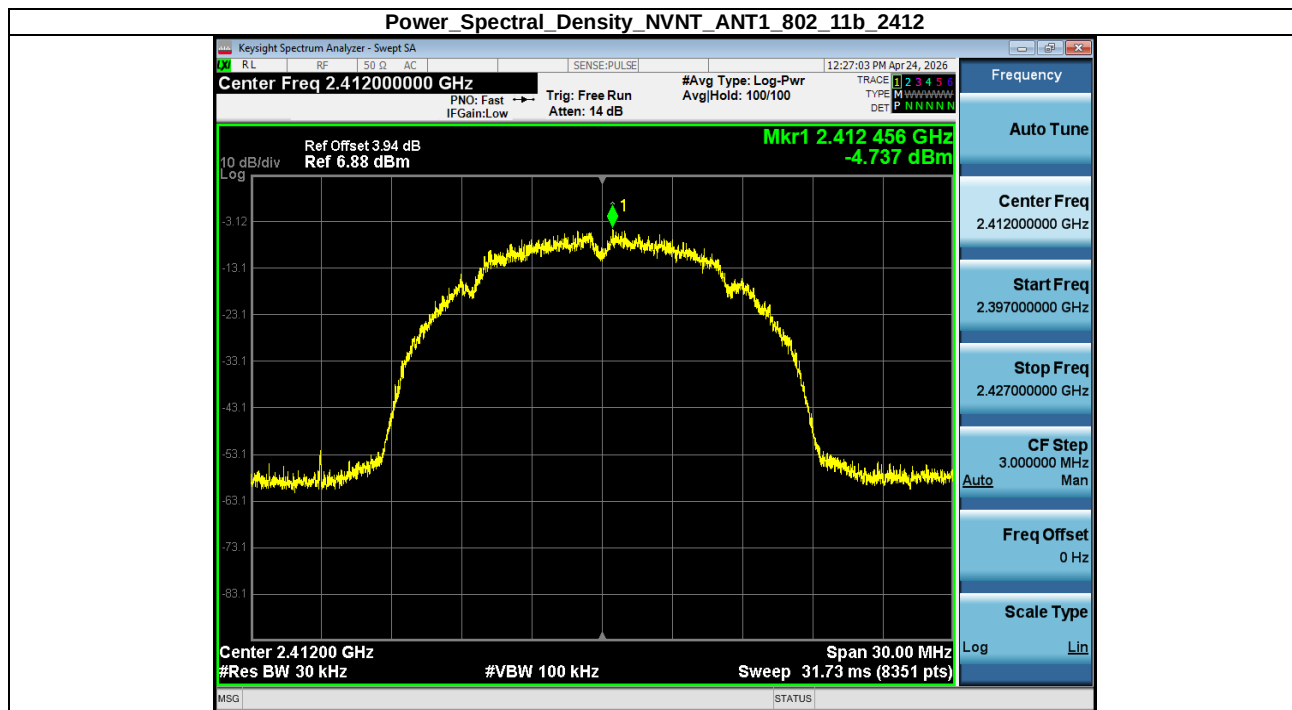
1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW = 30kHz(Set the RBW to: $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$), VBW = 100kHz(Set the VBW $\geq 3 \times \text{RBW}$), span $\geq 1.5 \times \text{DTS bandwidth}$., detail see the test plot.
4. Record the max reading.
5. Repeat the above procedure until the measurements for all frequencies are completed.

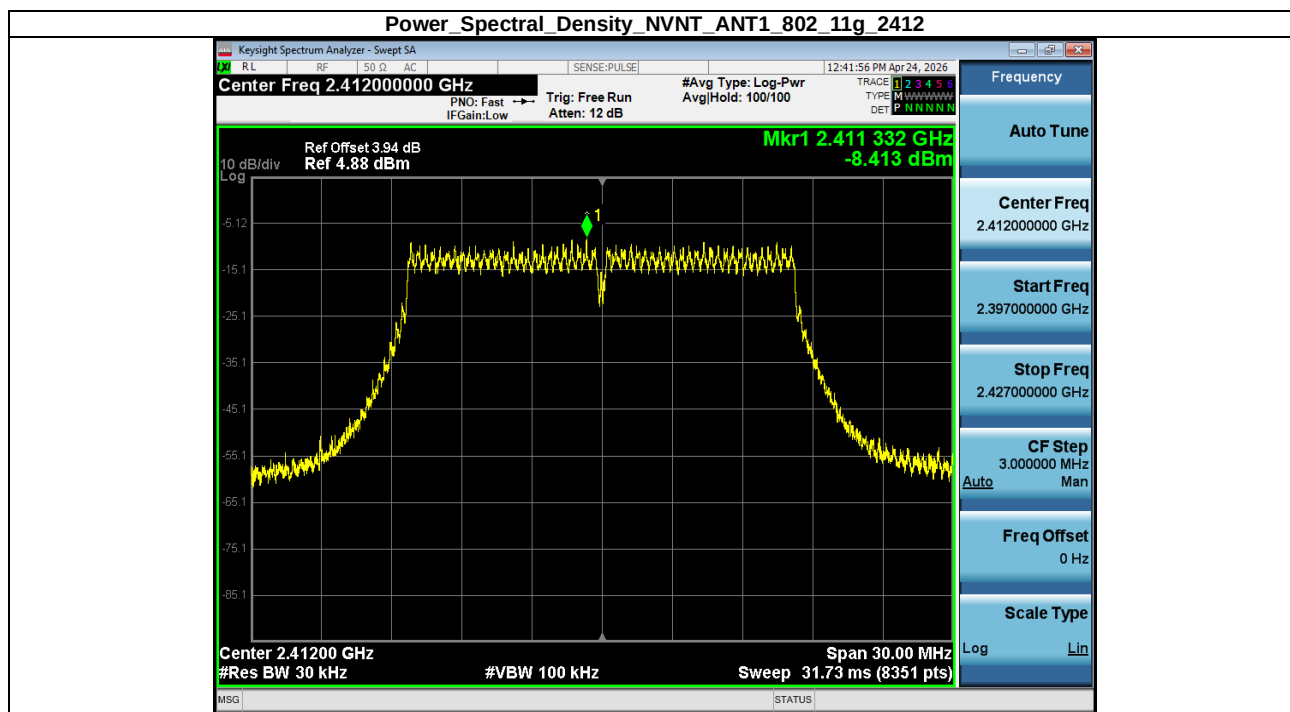
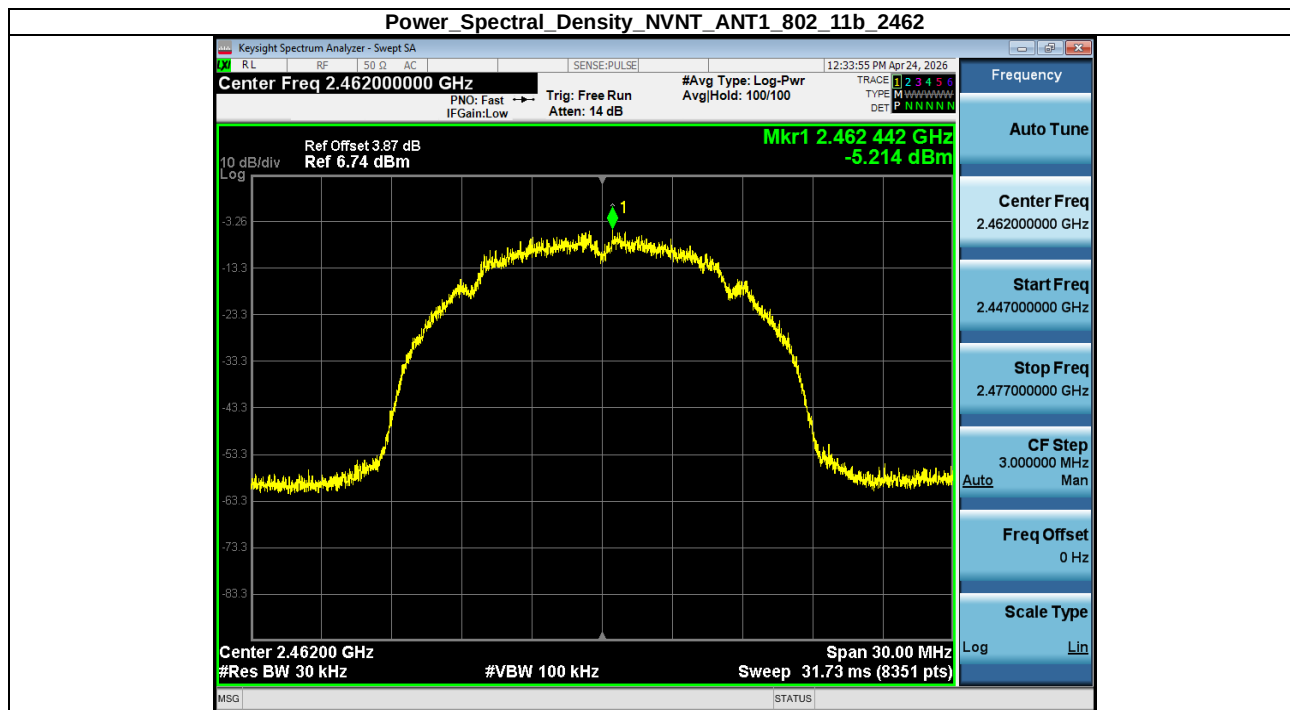
7.3. Test Setup

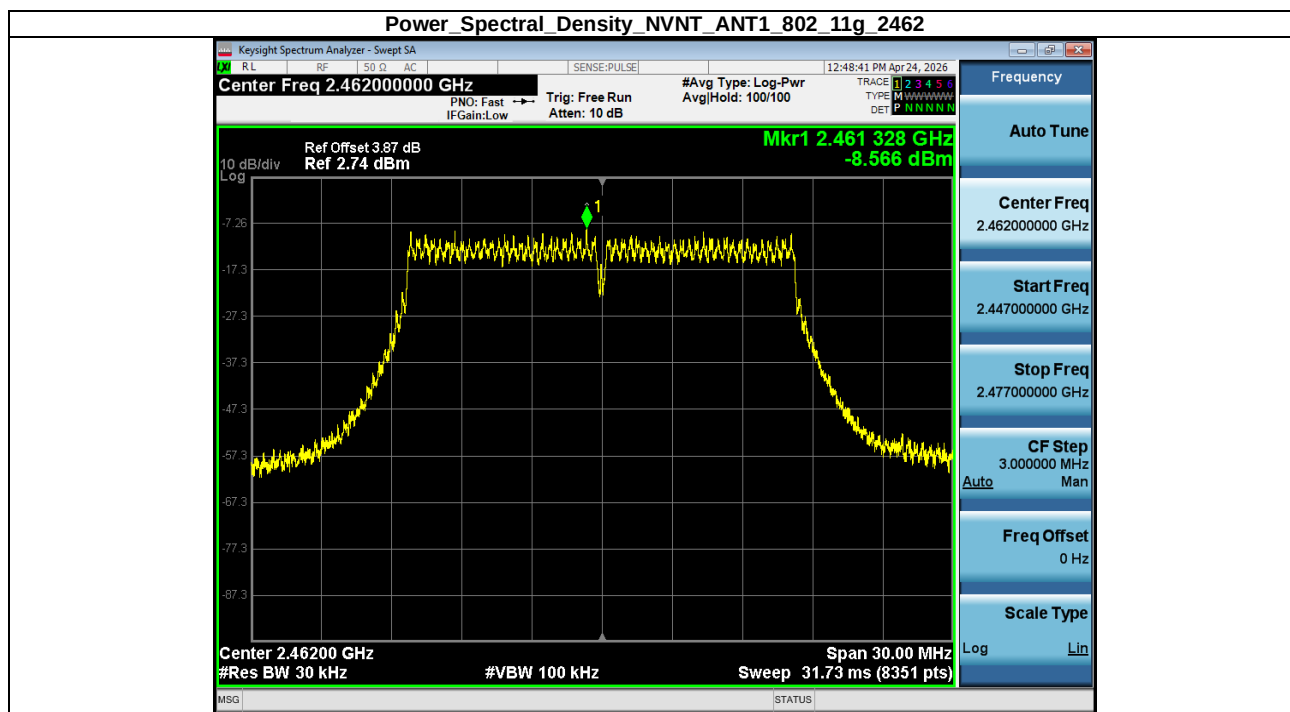
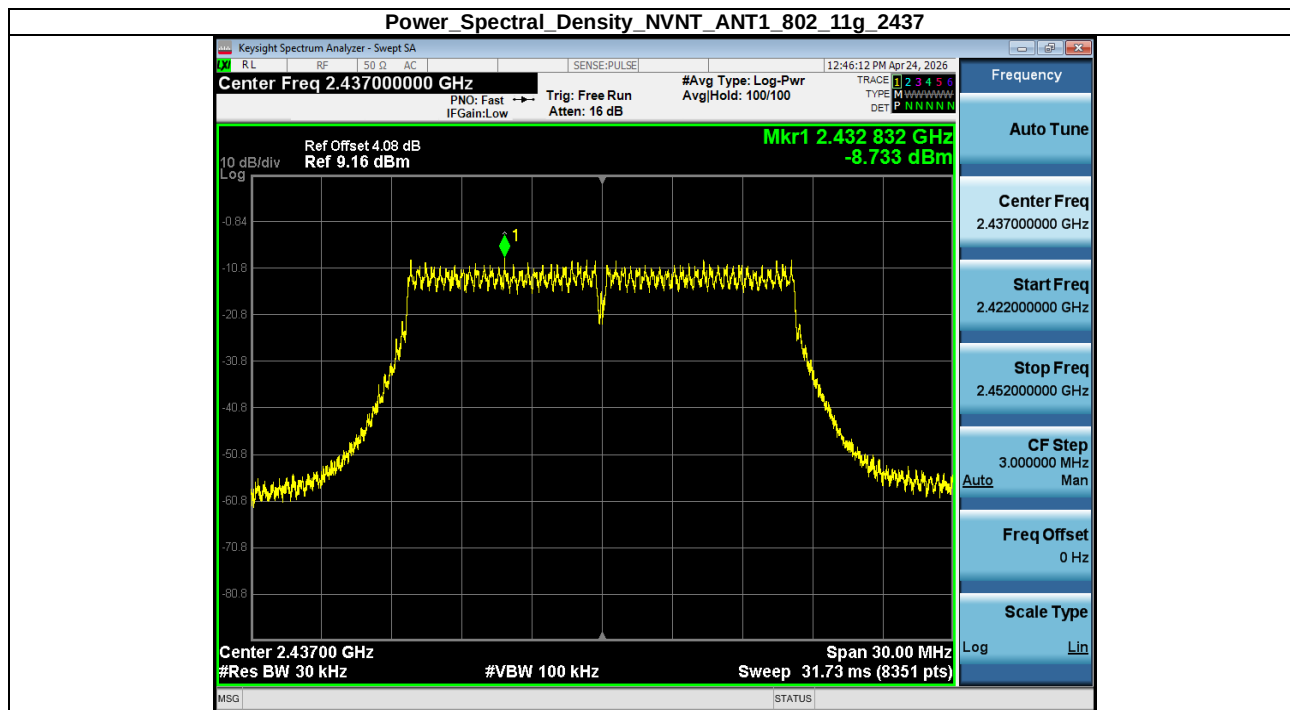


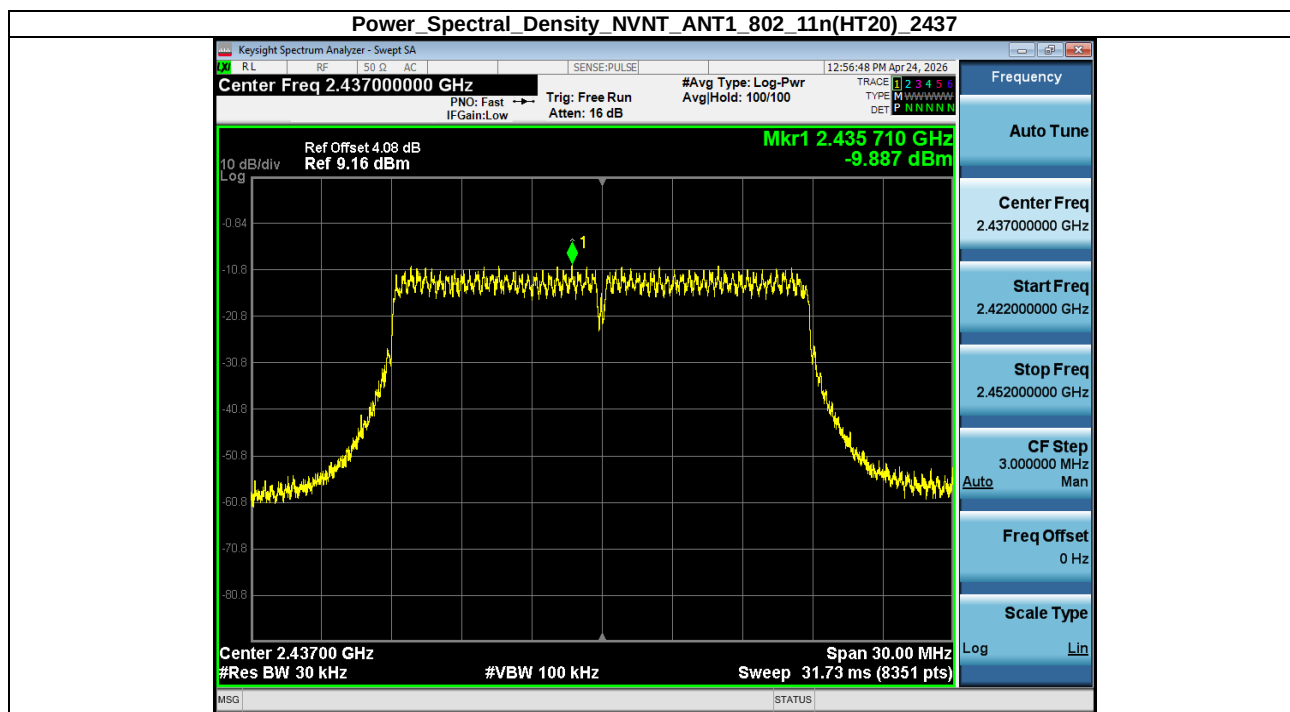
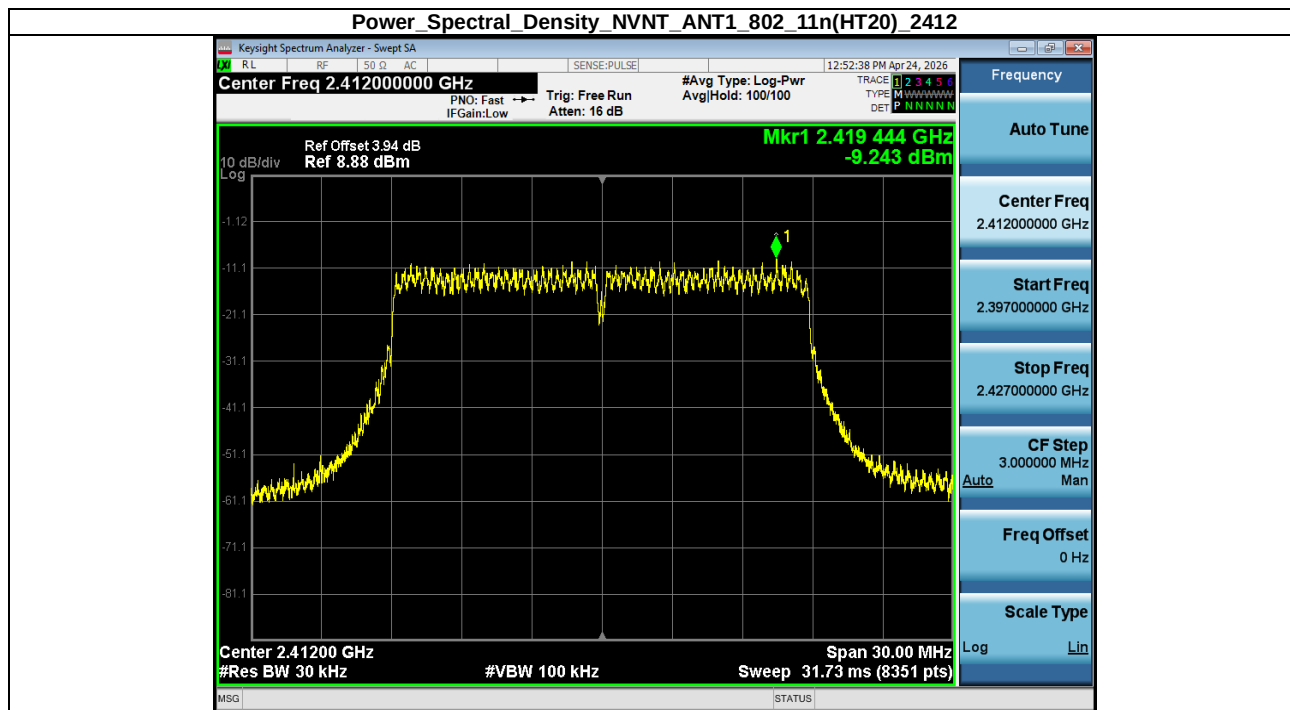
7.4. Test Results

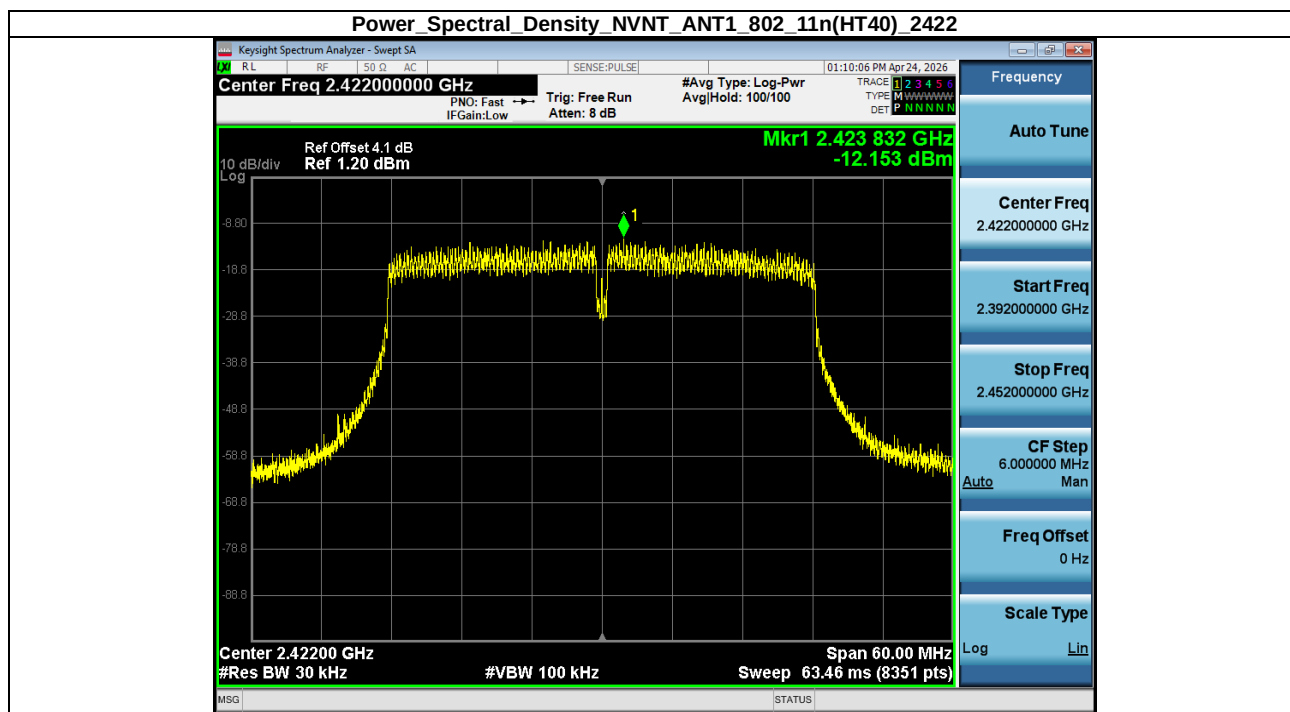
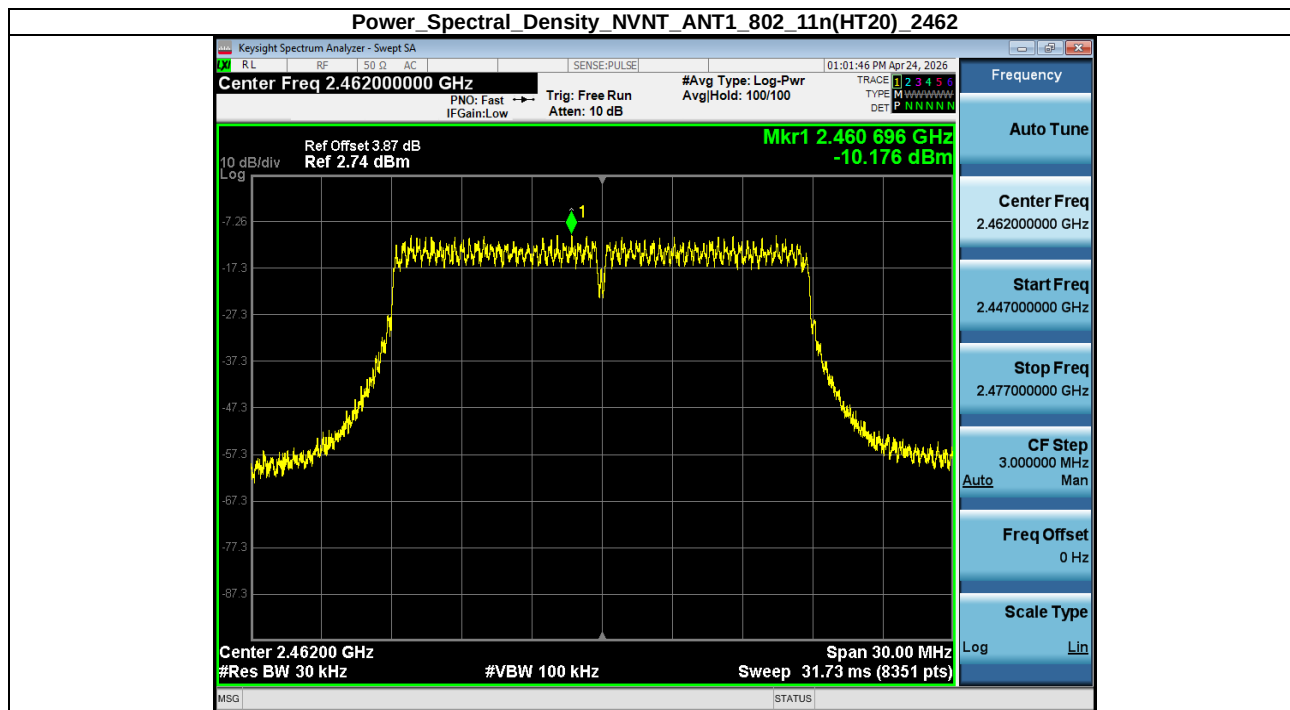
Condition	Antenna	Modulation	Frequency (MHz)	SA PSD(dBm/30kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-4.74	8	Pass
NVNT	ANT1	802.11b	2437.00	-5.24	8	Pass
NVNT	ANT1	802.11b	2462.00	-5.21	8	Pass
NVNT	ANT1	802.11g	2412.00	-8.41	8	Pass
NVNT	ANT1	802.11g	2437.00	-8.73	8	Pass
NVNT	ANT1	802.11g	2462.00	-8.57	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-9.24	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-9.89	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-10.18	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-12.15	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-12.83	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-12.38	8	Pass

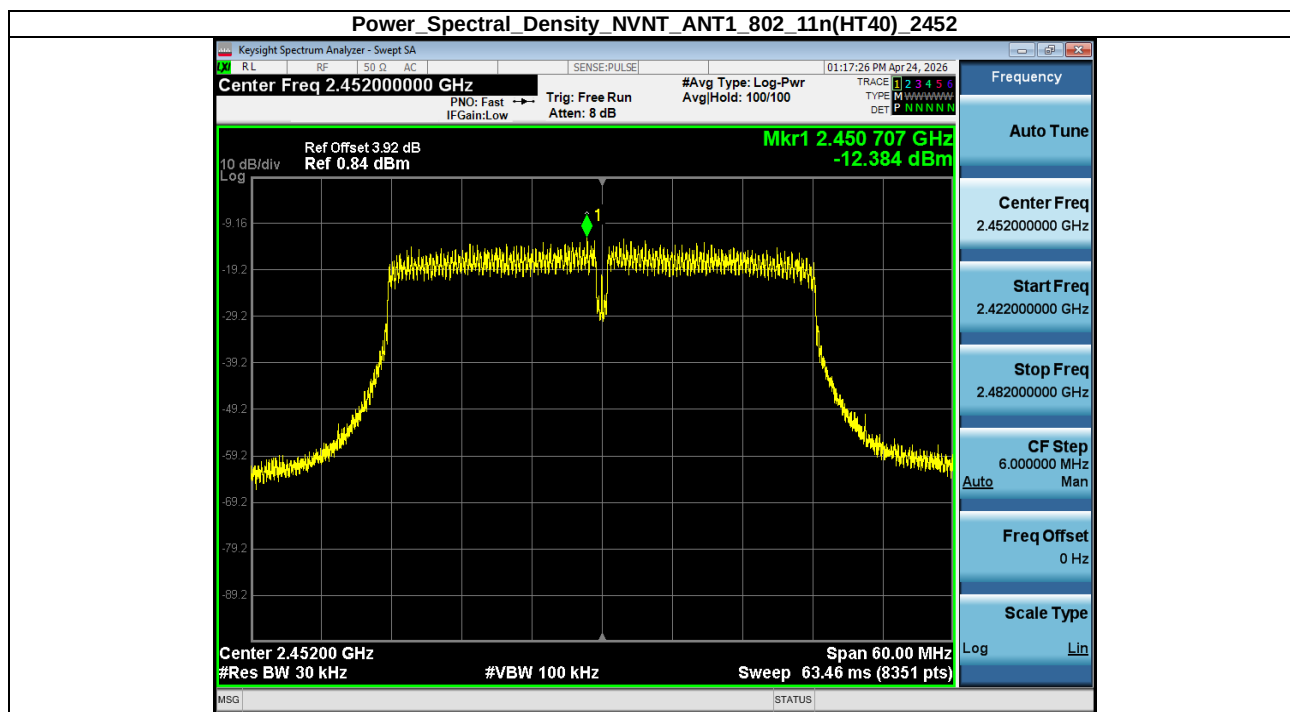
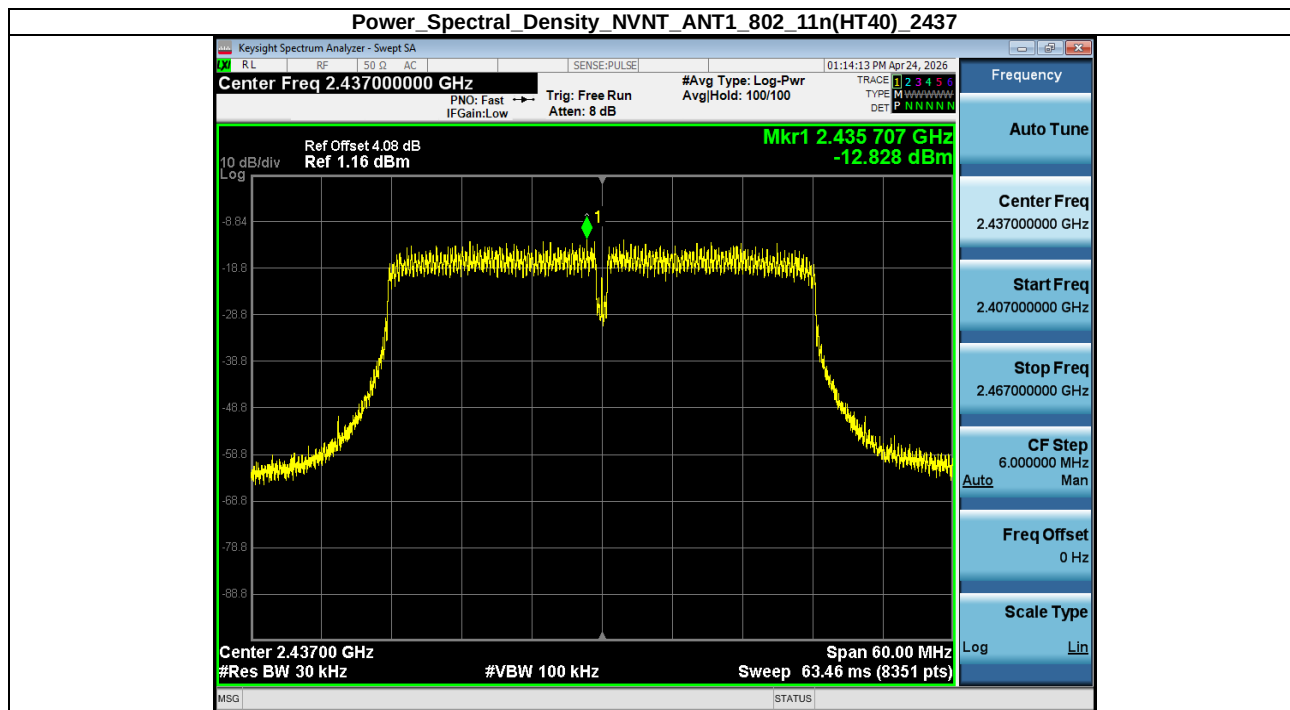












8. Occupied Bandwidth

8.1. Test limits

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

8.2. Test Procedure

Details see the ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.9.3 and section 11.8.1

DTS bandwidth

- The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.
- The test receiver set RBW = 100kHz, VBW $\geq$ 3*RBW =300kHz, Peak Detector, Sweep time set auto, detail see the test plot.

Occupied bandwidth-power bandwidth (99%) measurement procedure

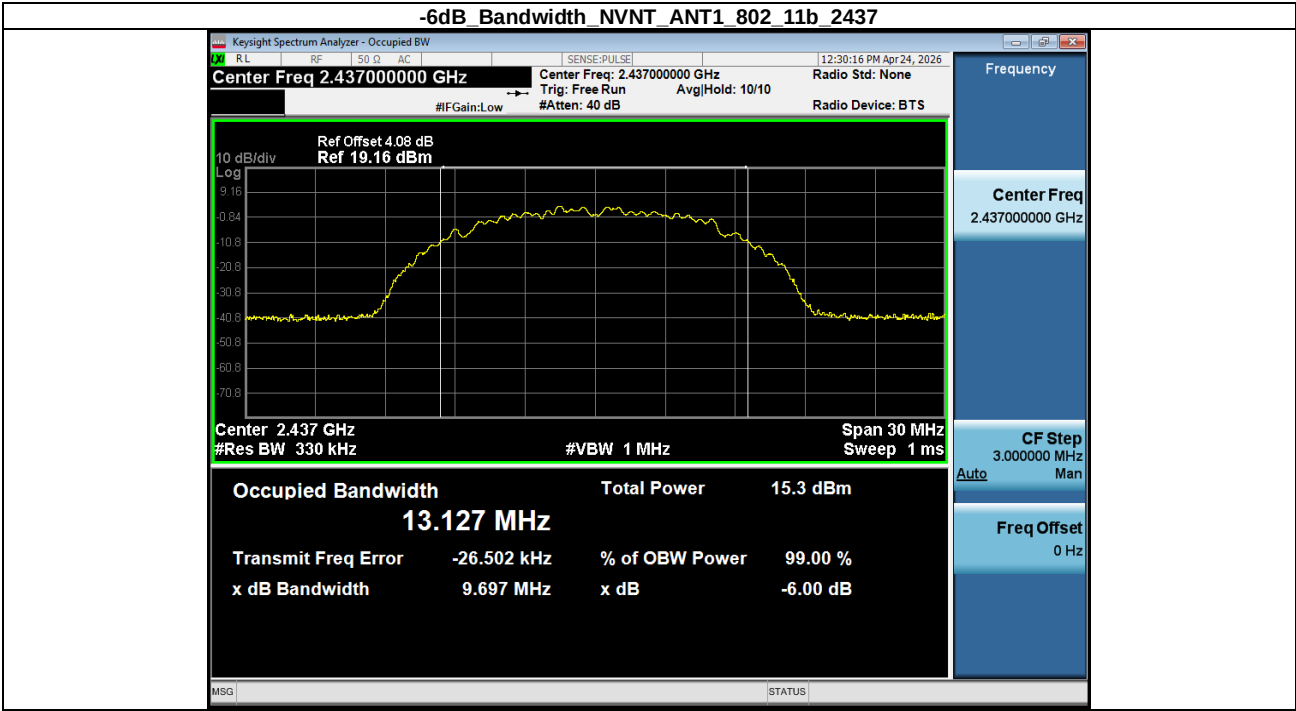
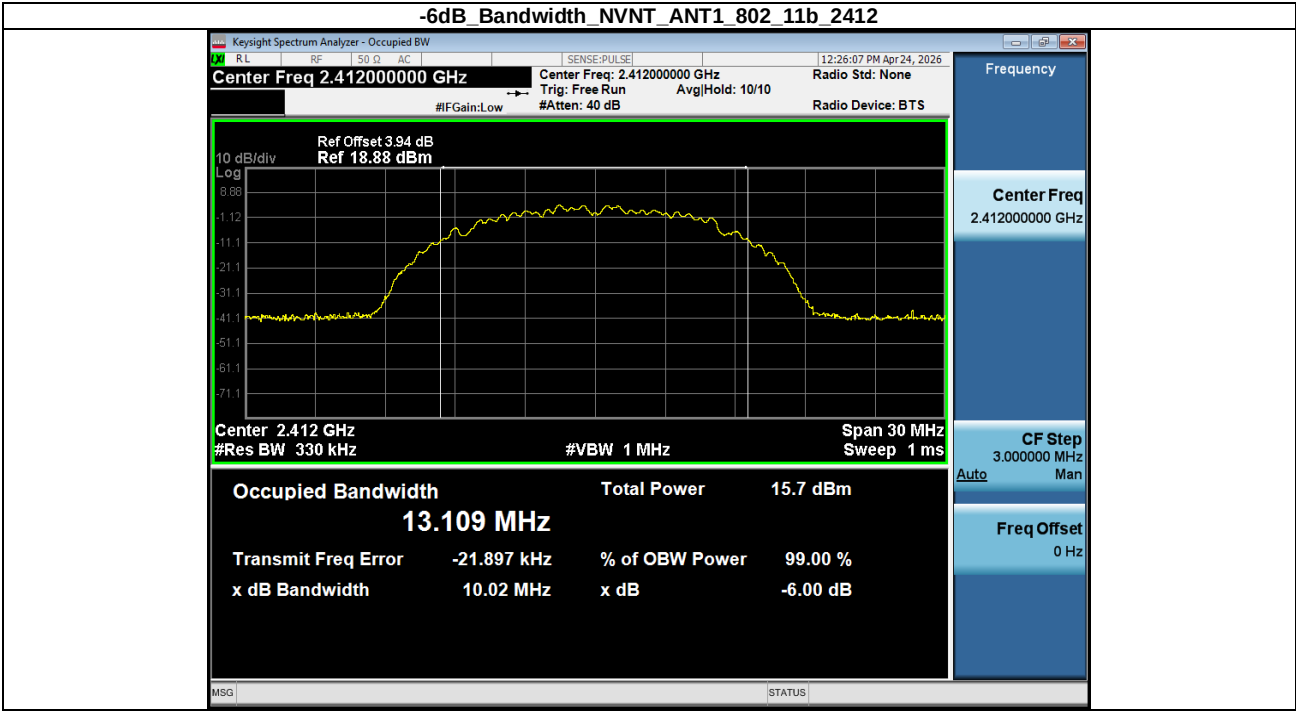
- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than 10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

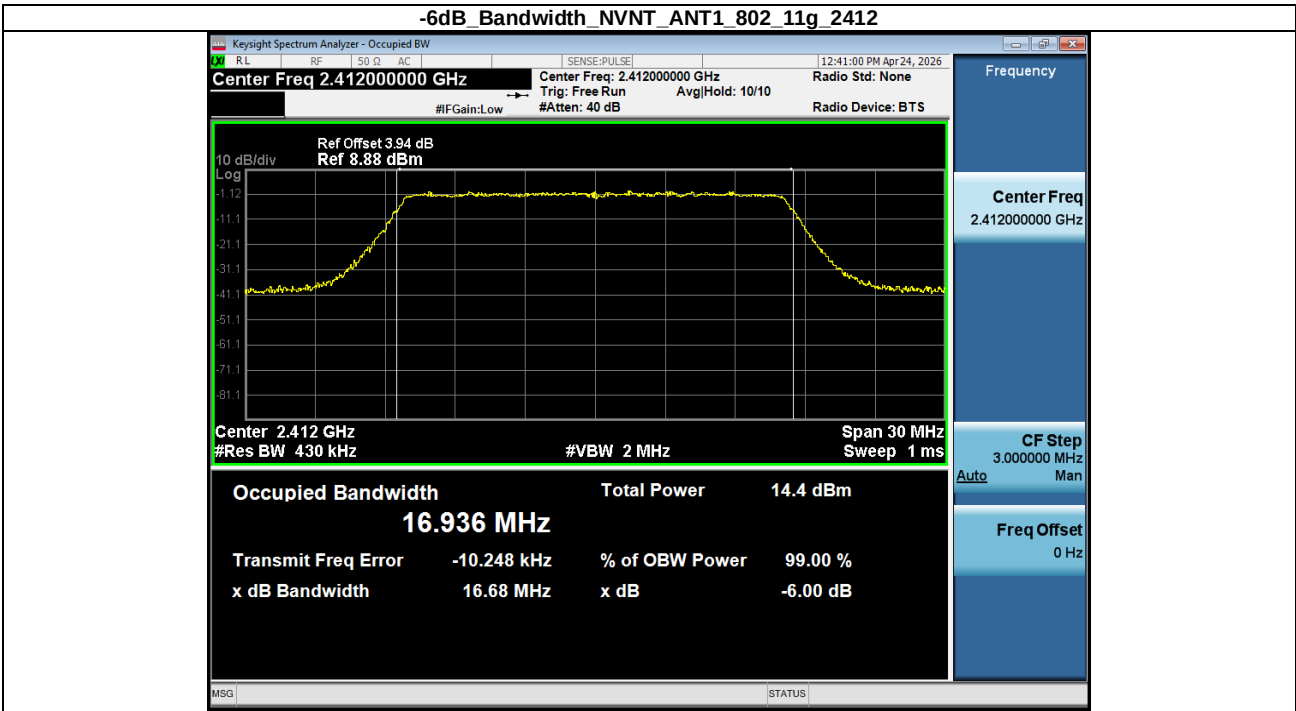
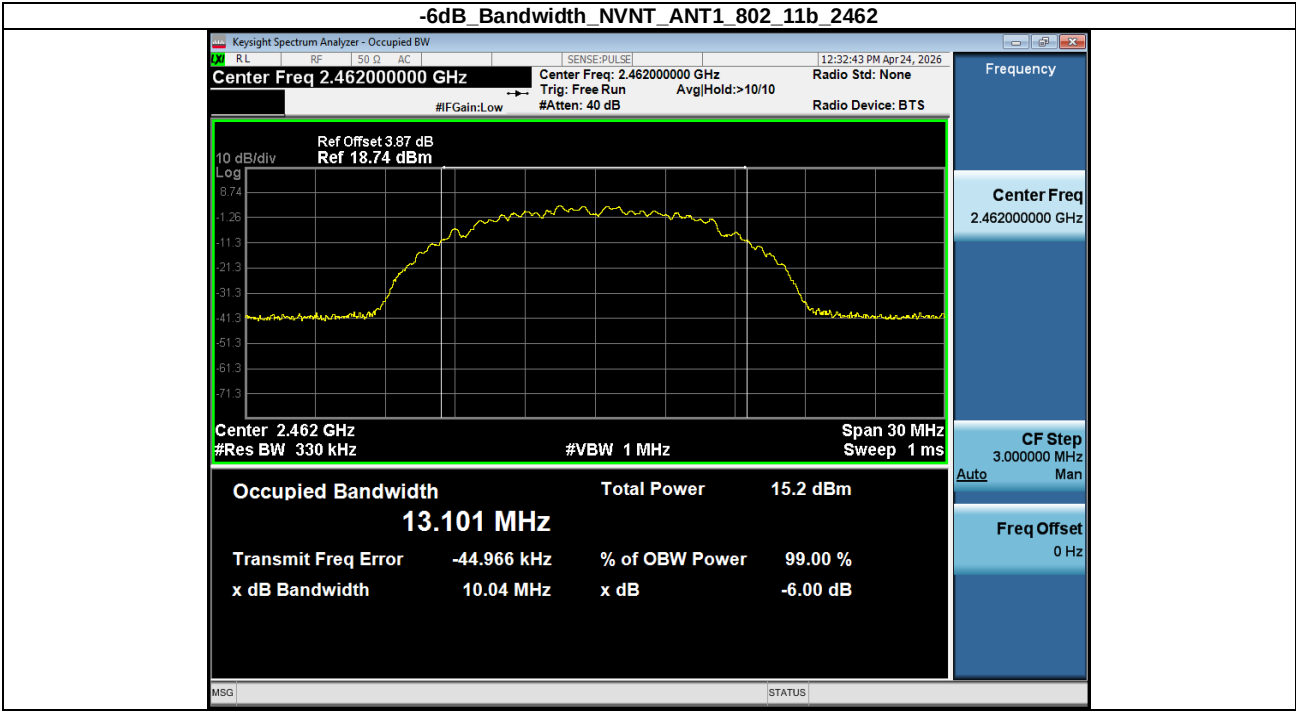
8.3. Test Setup

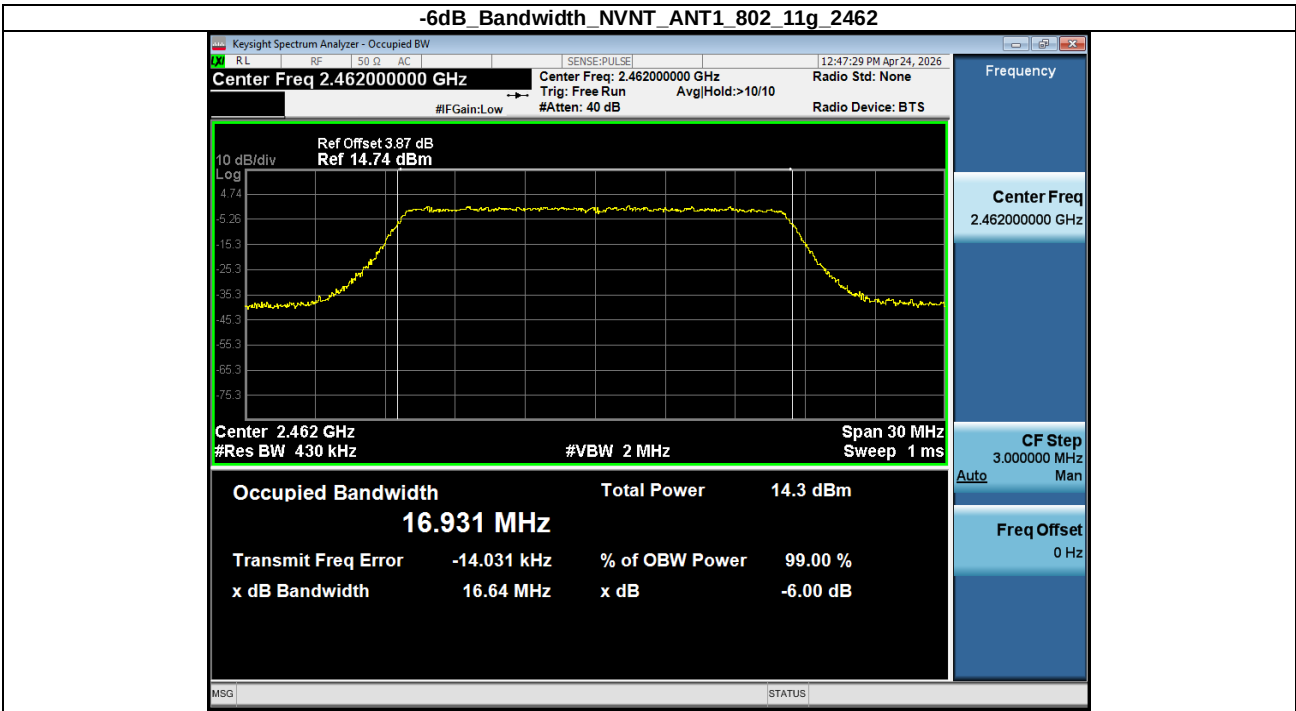
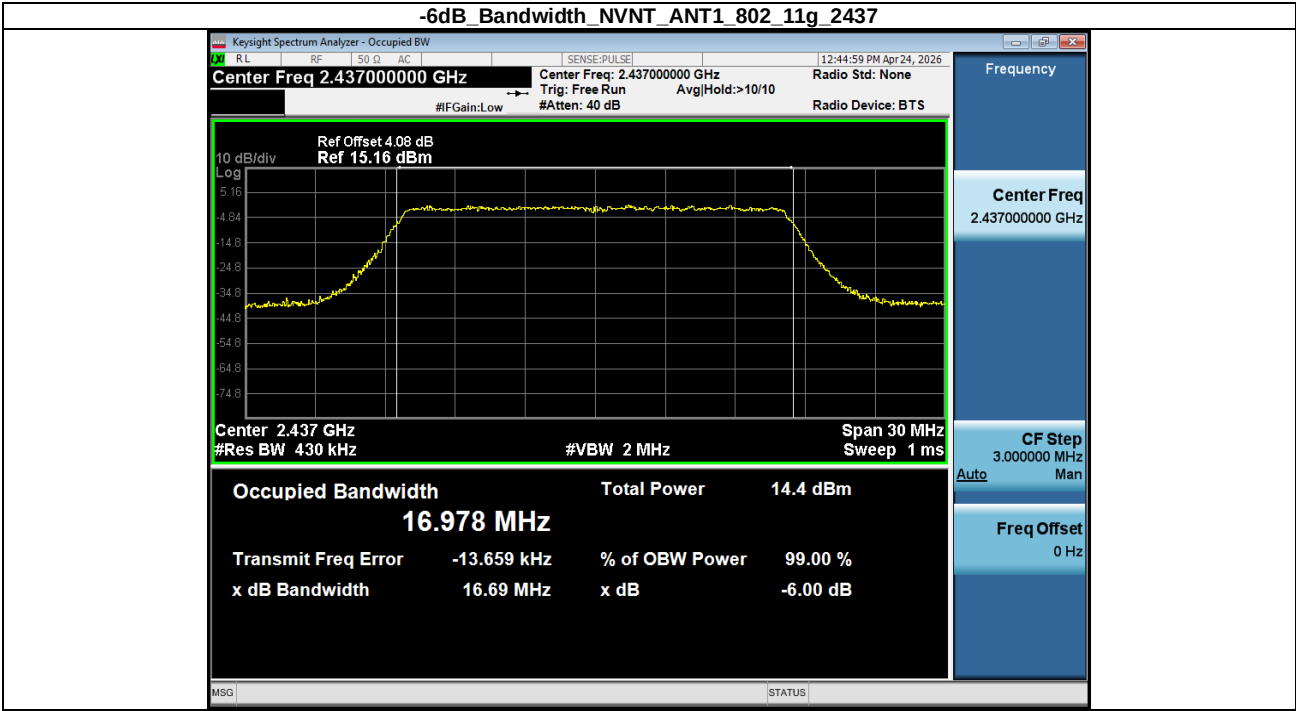


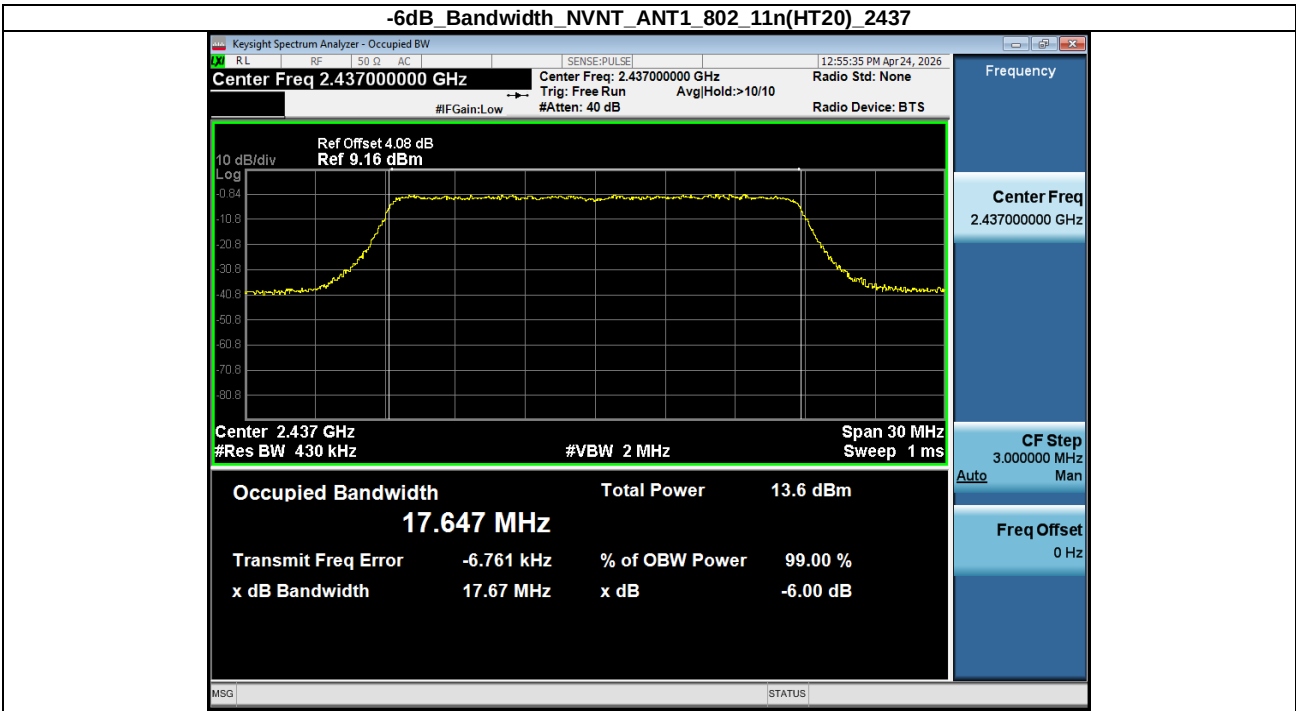
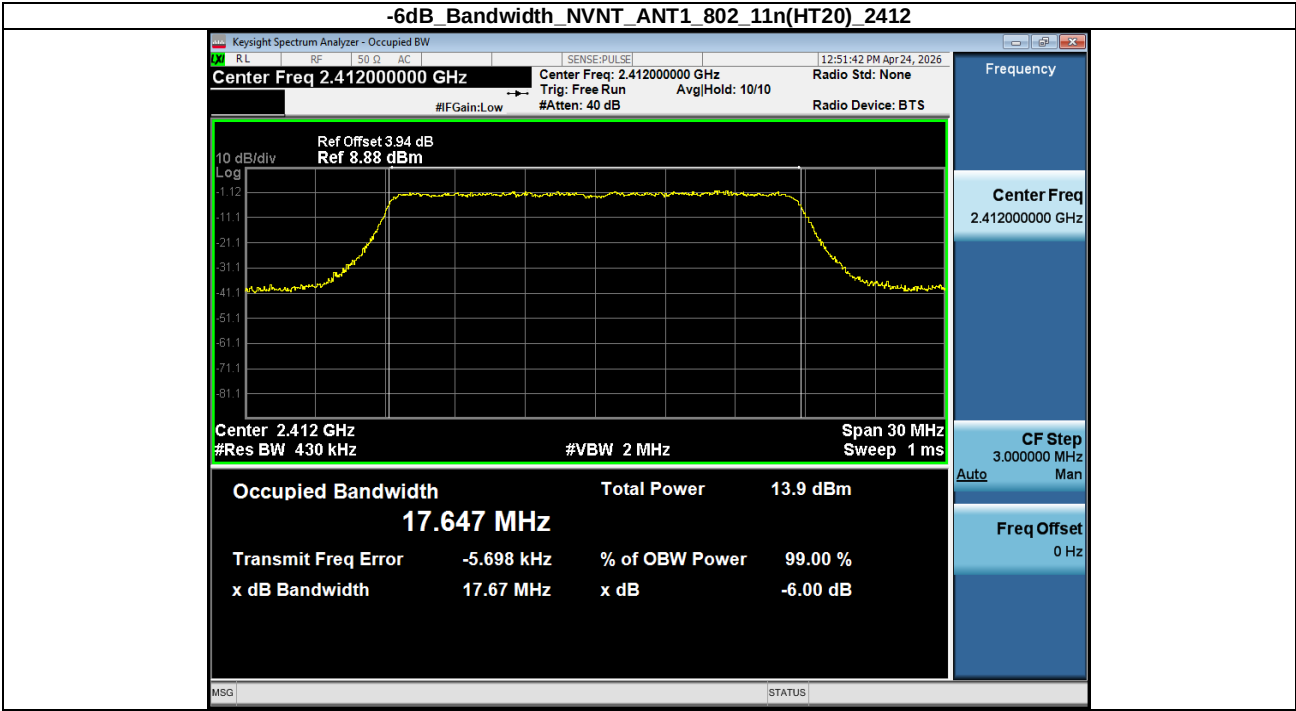
8.4. Test Results

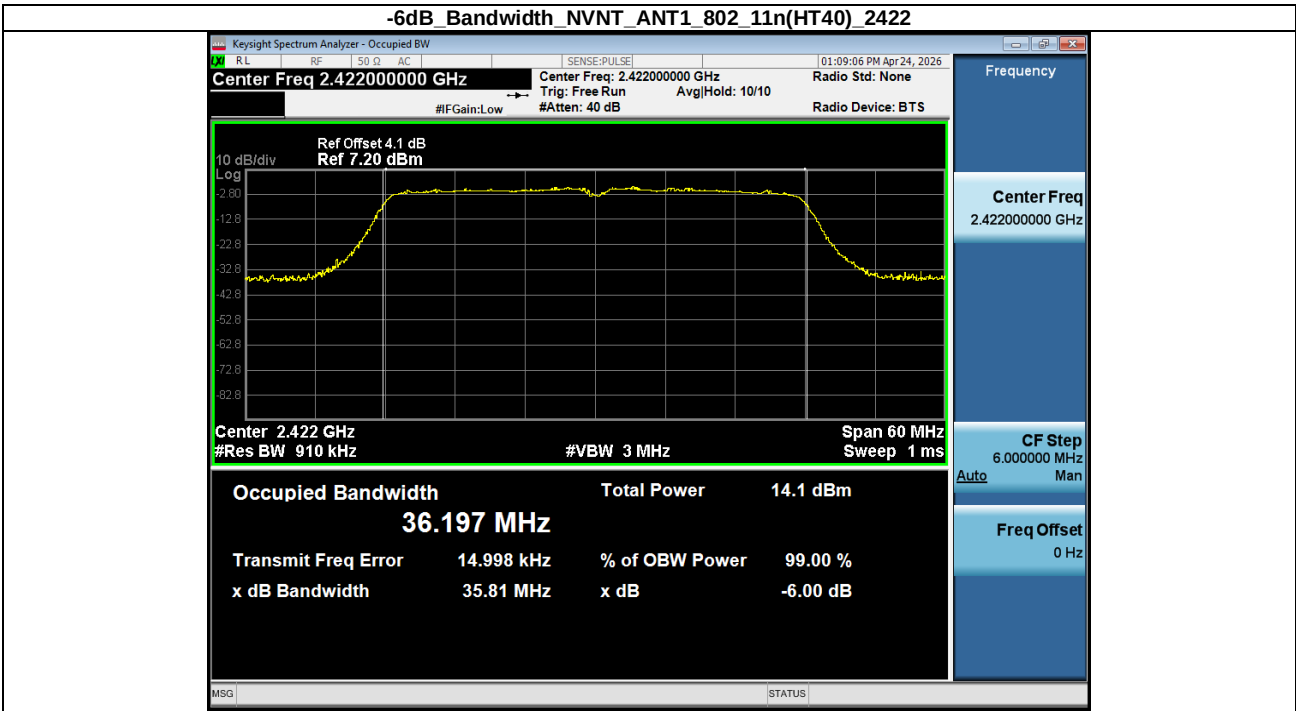
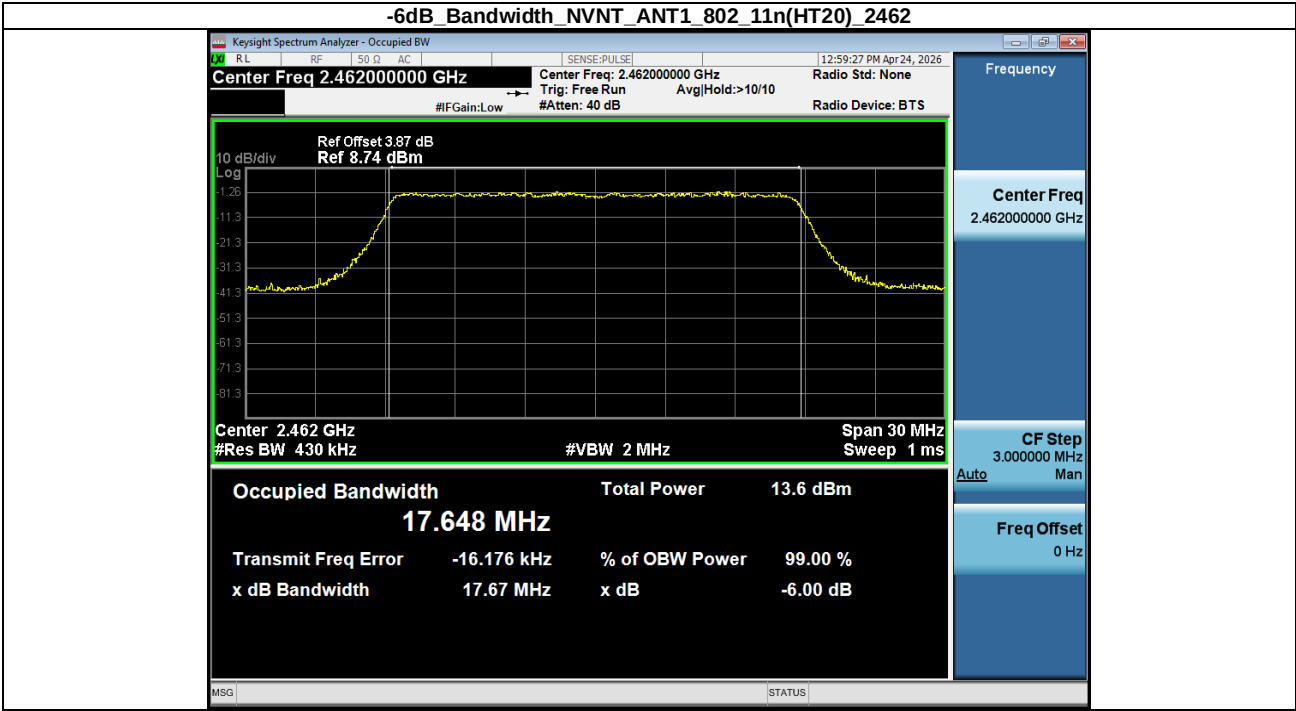
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.02	500	Pass
NVNT	ANT1	802.11b	2437.00	9.70	500	Pass
NVNT	ANT1	802.11b	2462.00	10.04	500	Pass
NVNT	ANT1	802.11g	2412.00	16.68	500	Pass
NVNT	ANT1	802.11g	2437.00	16.69	500	Pass
NVNT	ANT1	802.11g	2462.00	16.64	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.67	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.67	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.67	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.81	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.04	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.88	500	Pass

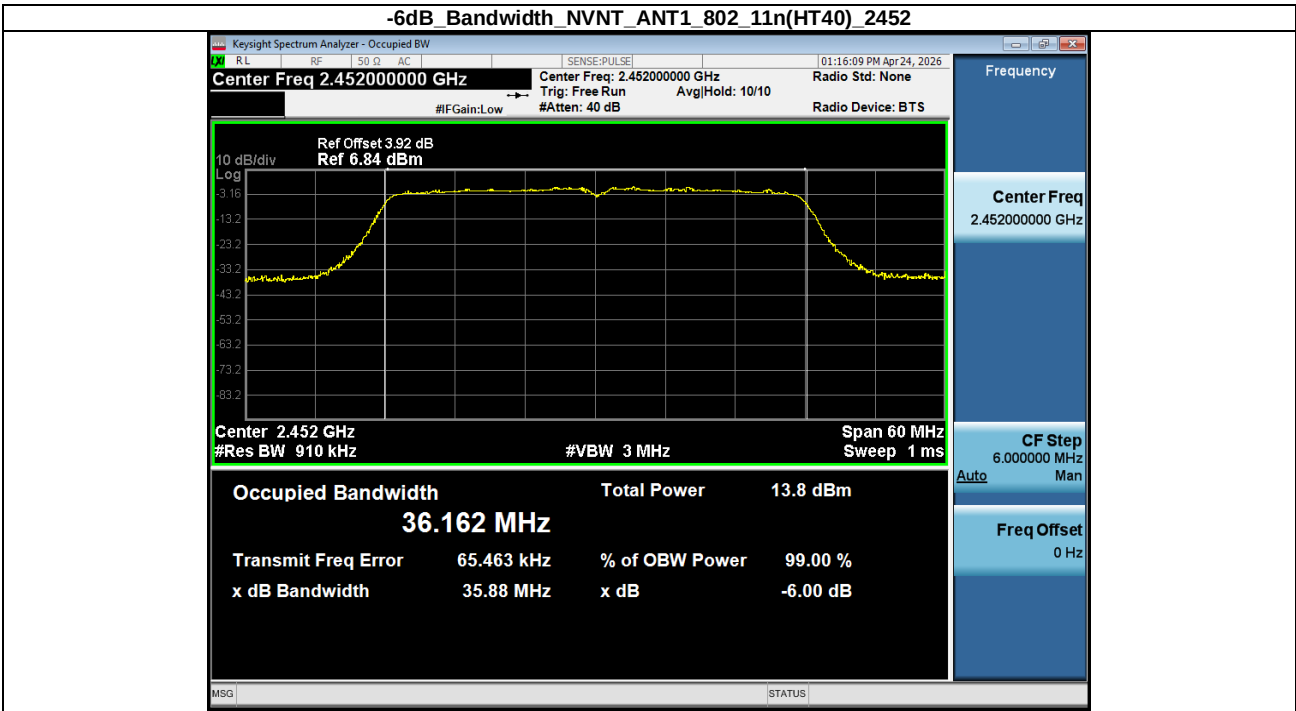
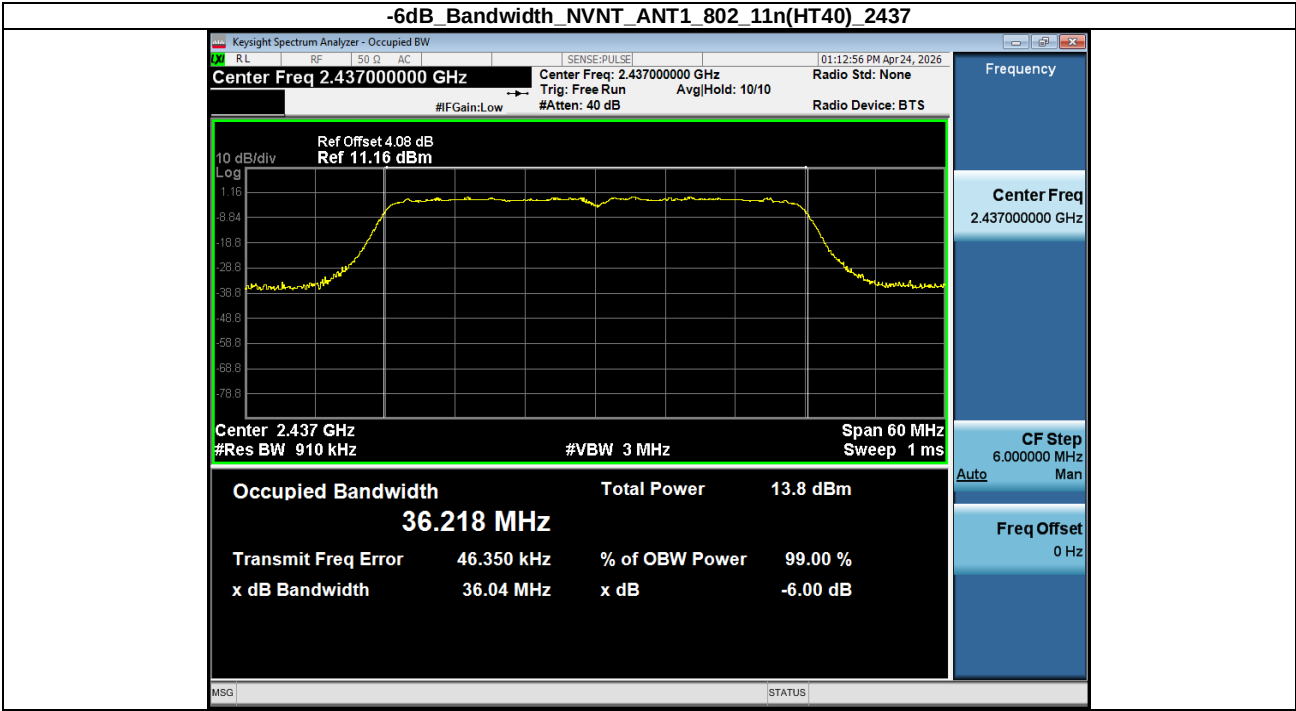




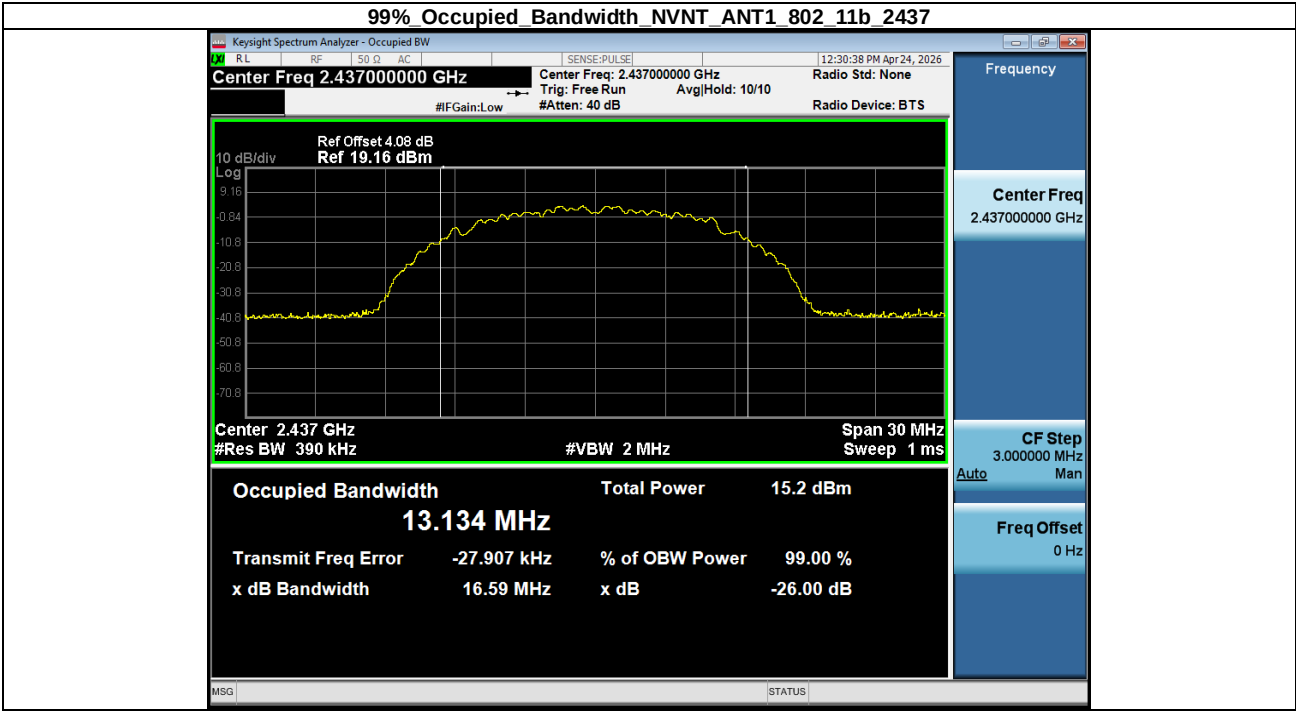
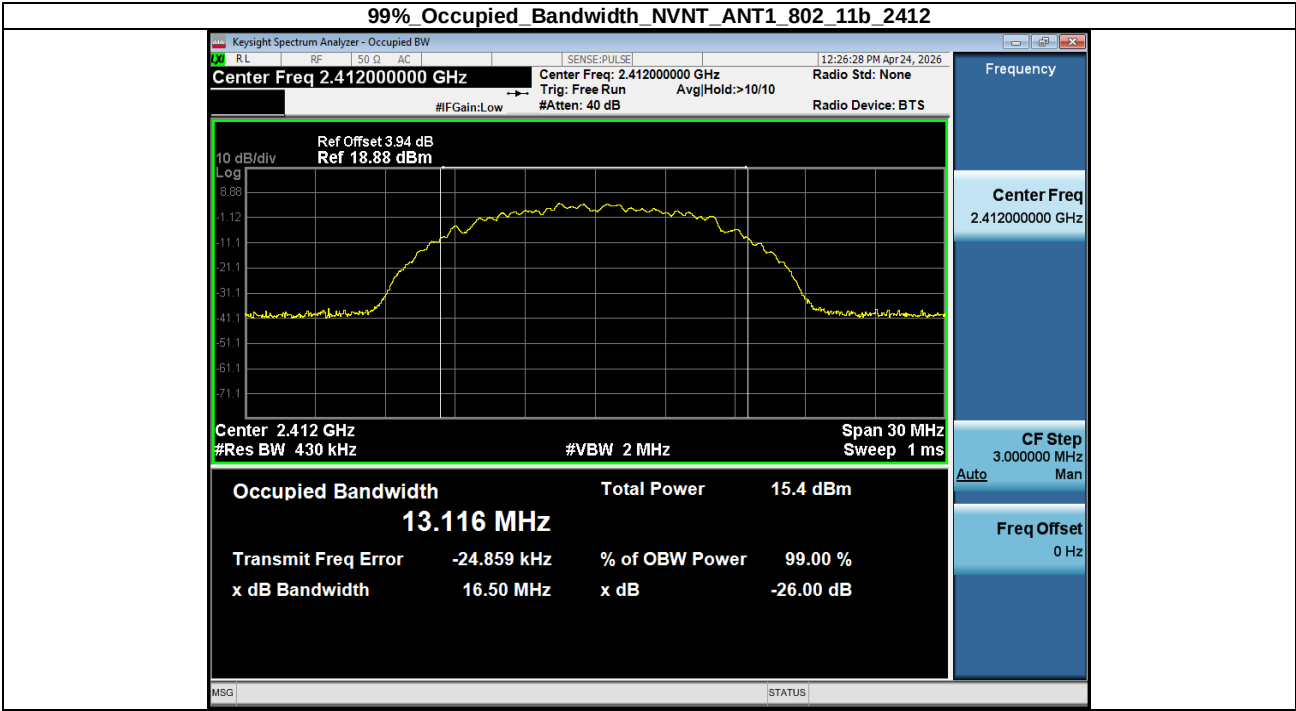


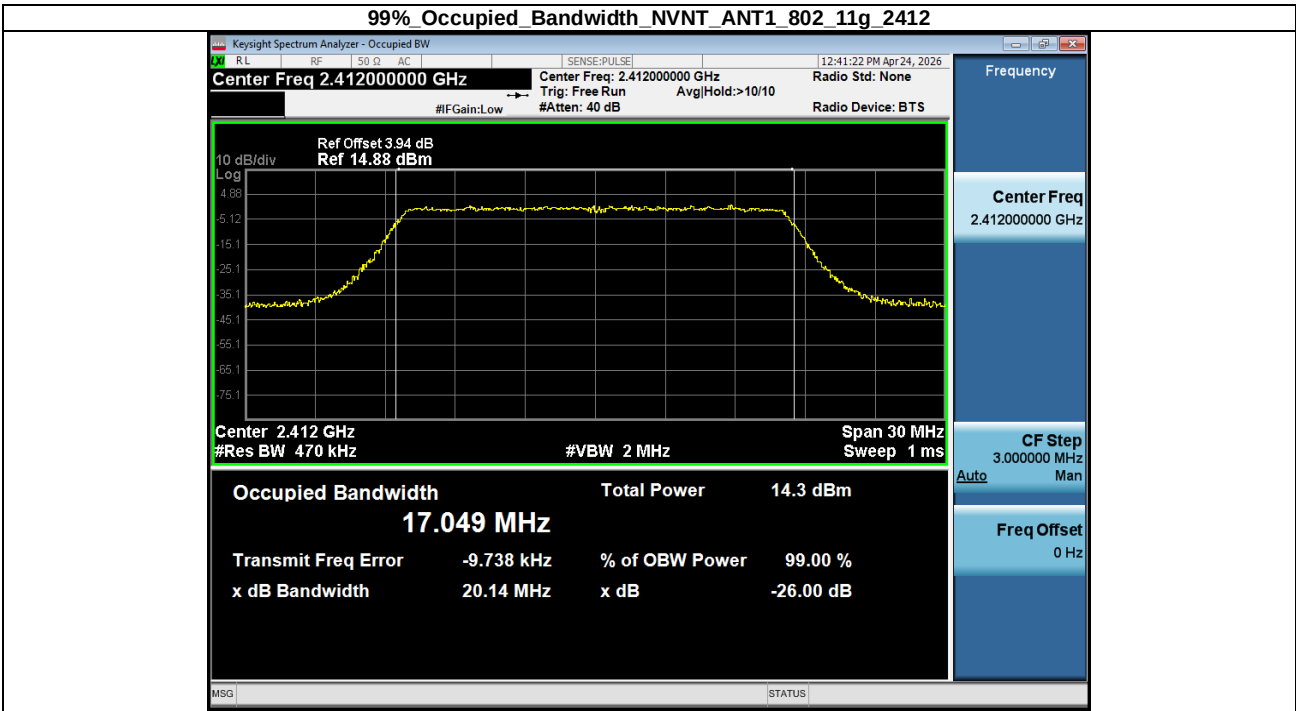
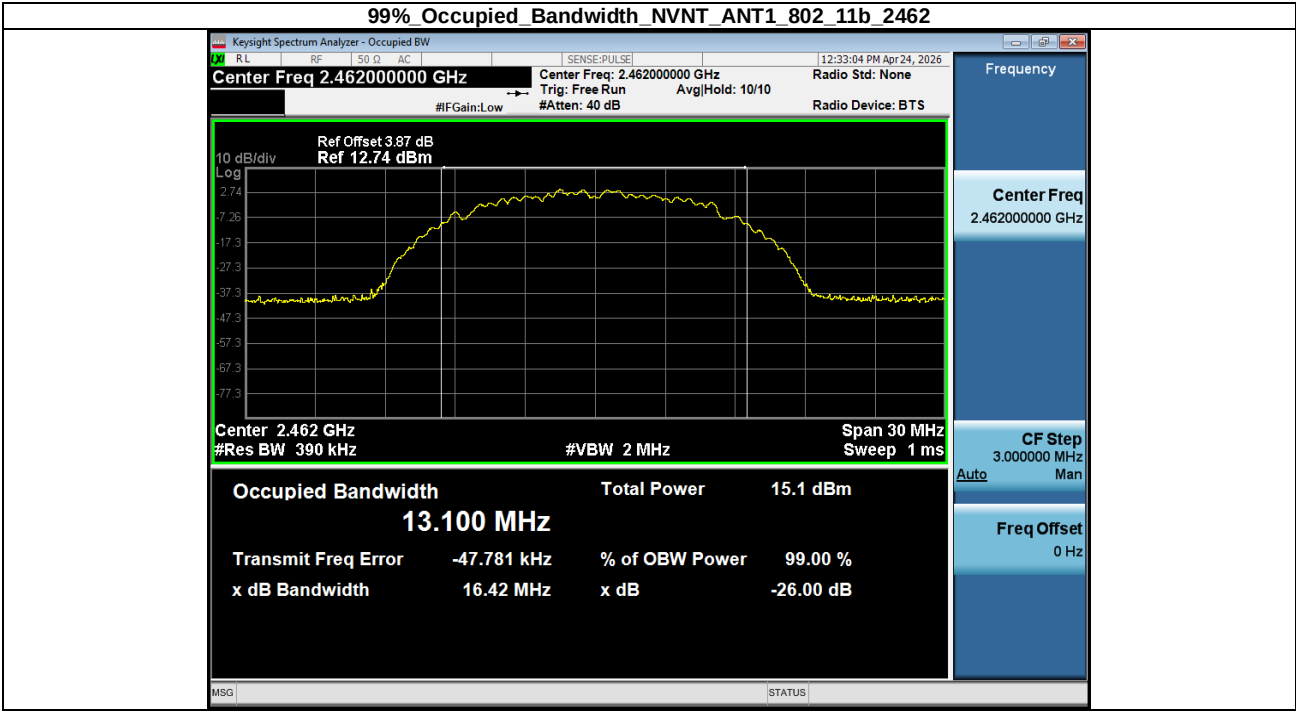


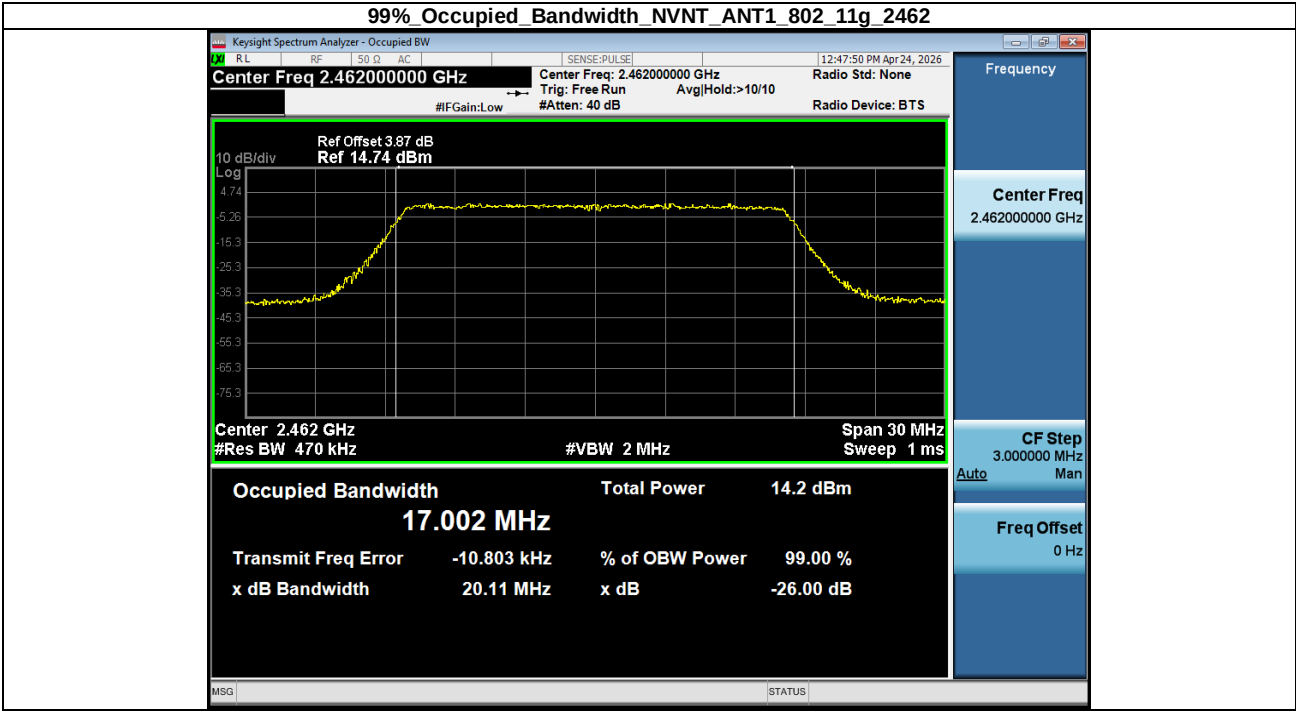
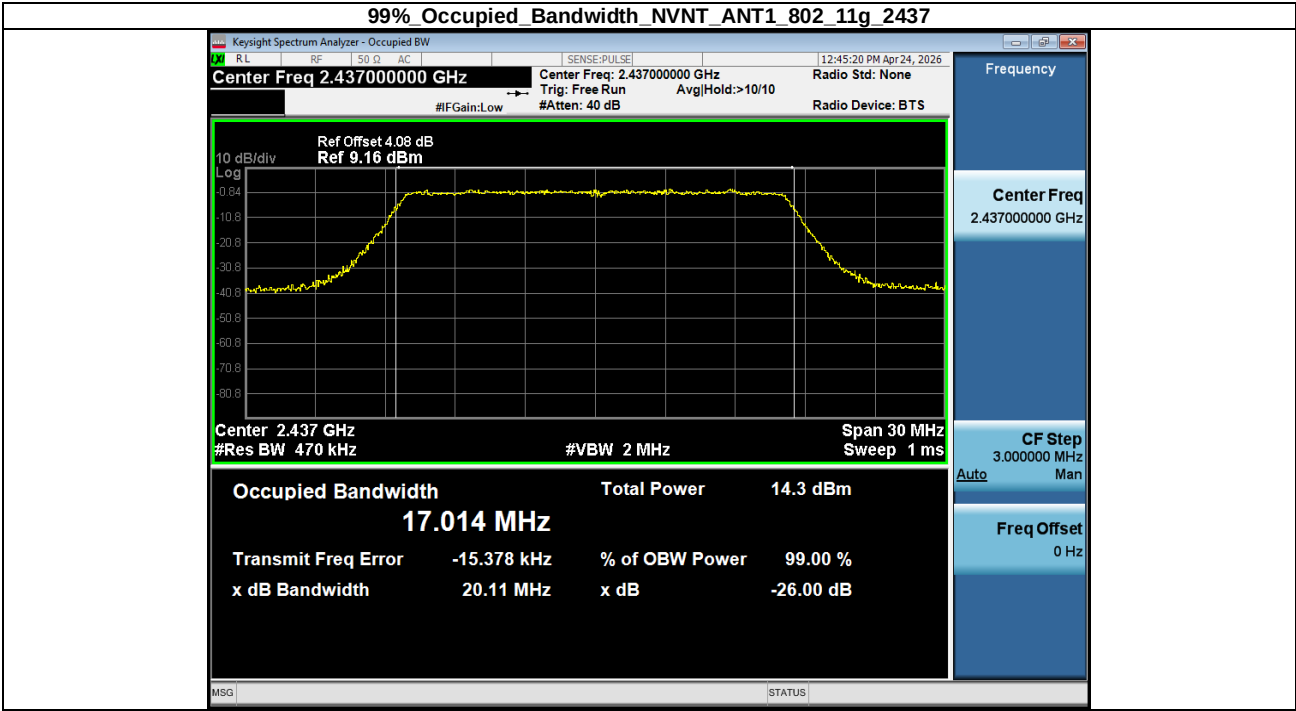


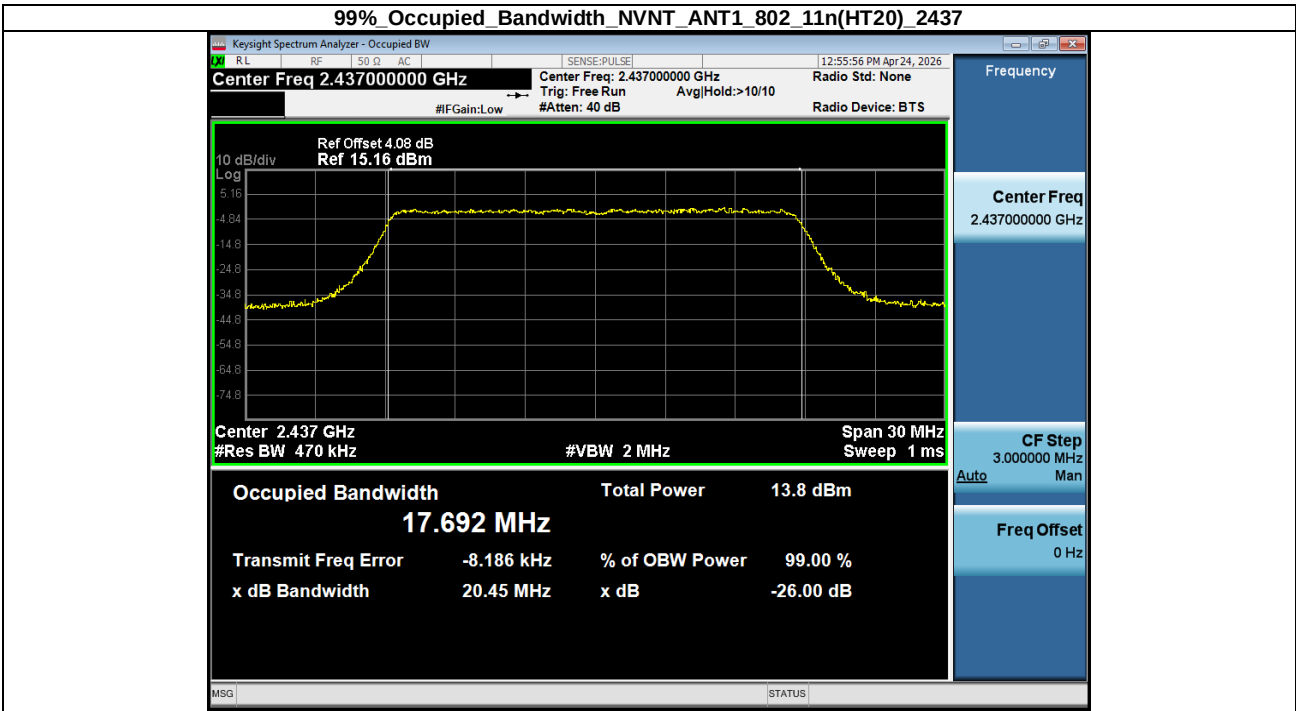
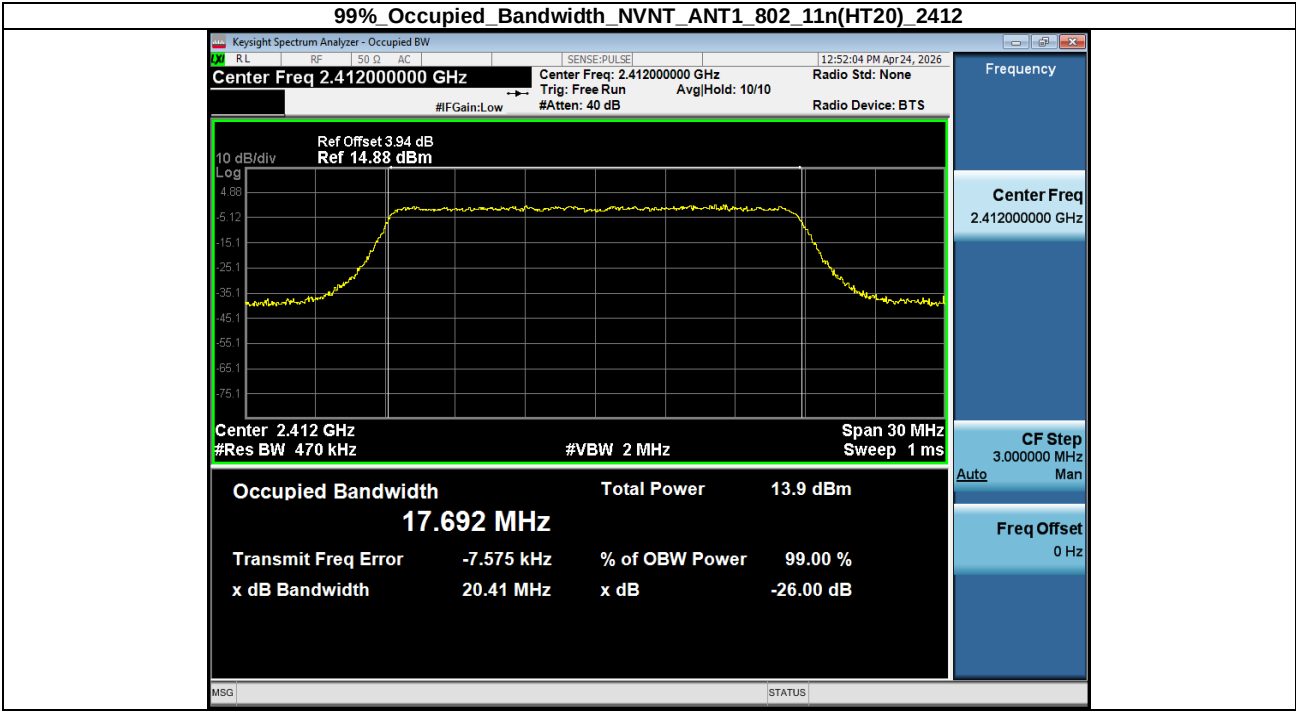


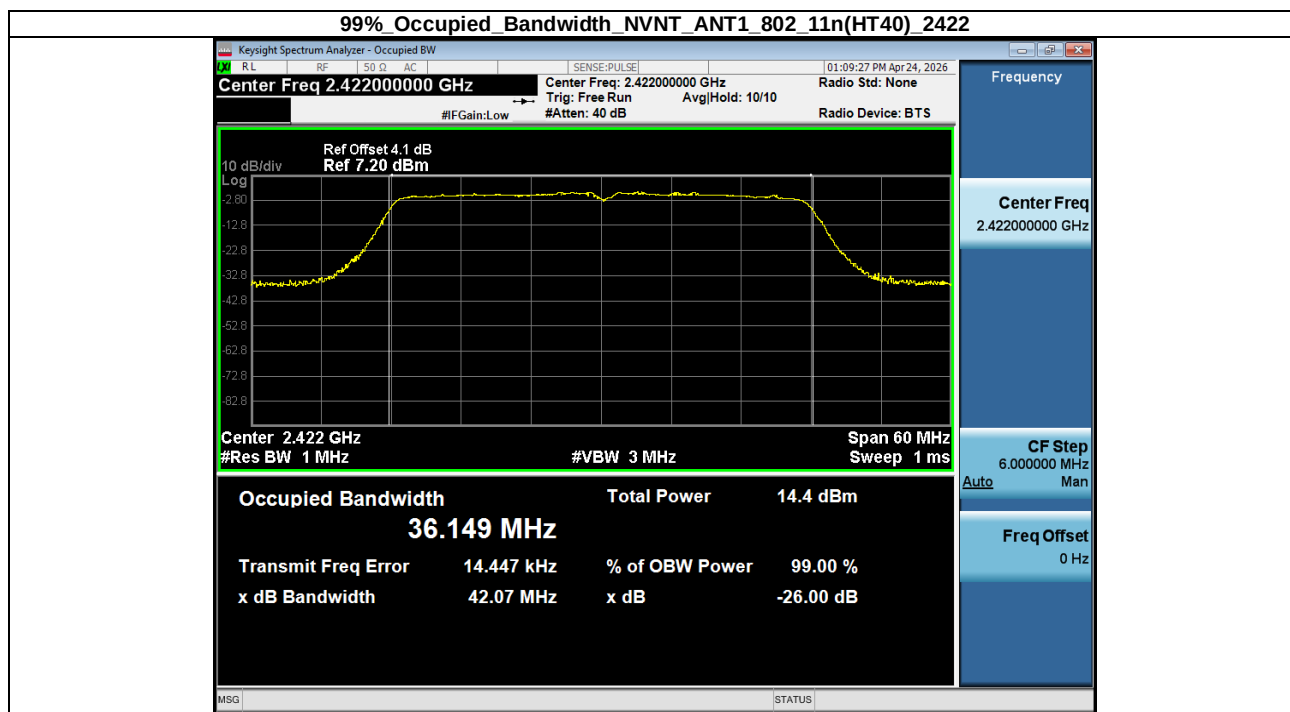
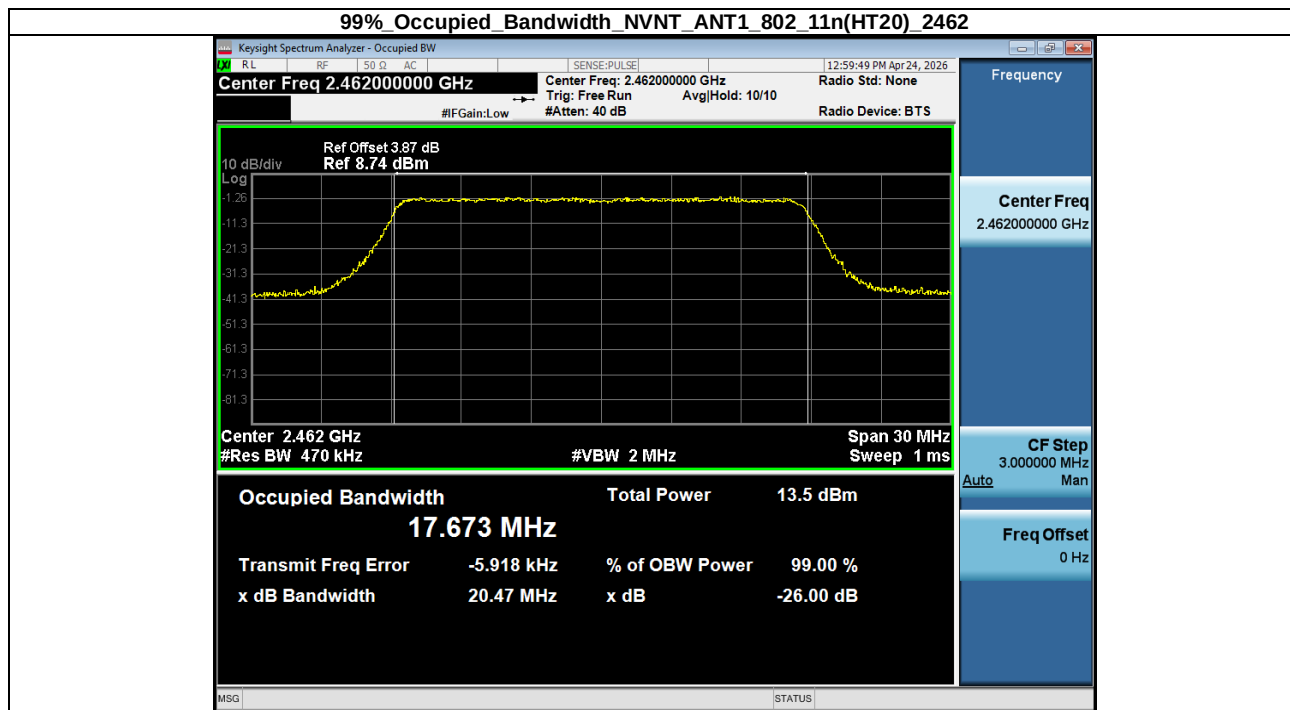
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.116
NVNT	ANT1	802.11b	2437.00	13.134
NVNT	ANT1	802.11b	2462.00	13.100
NVNT	ANT1	802.11g	2412.00	17.049
NVNT	ANT1	802.11g	2437.00	17.014
NVNT	ANT1	802.11g	2462.00	17.002
NVNT	ANT1	802.11n(HT20)	2412.00	17.692
NVNT	ANT1	802.11n(HT20)	2437.00	17.692
NVNT	ANT1	802.11n(HT20)	2462.00	17.673
NVNT	ANT1	802.11n(HT40)	2422.00	36.149
NVNT	ANT1	802.11n(HT40)	2437.00	36.195
NVNT	ANT1	802.11n(HT40)	2452.00	36.152

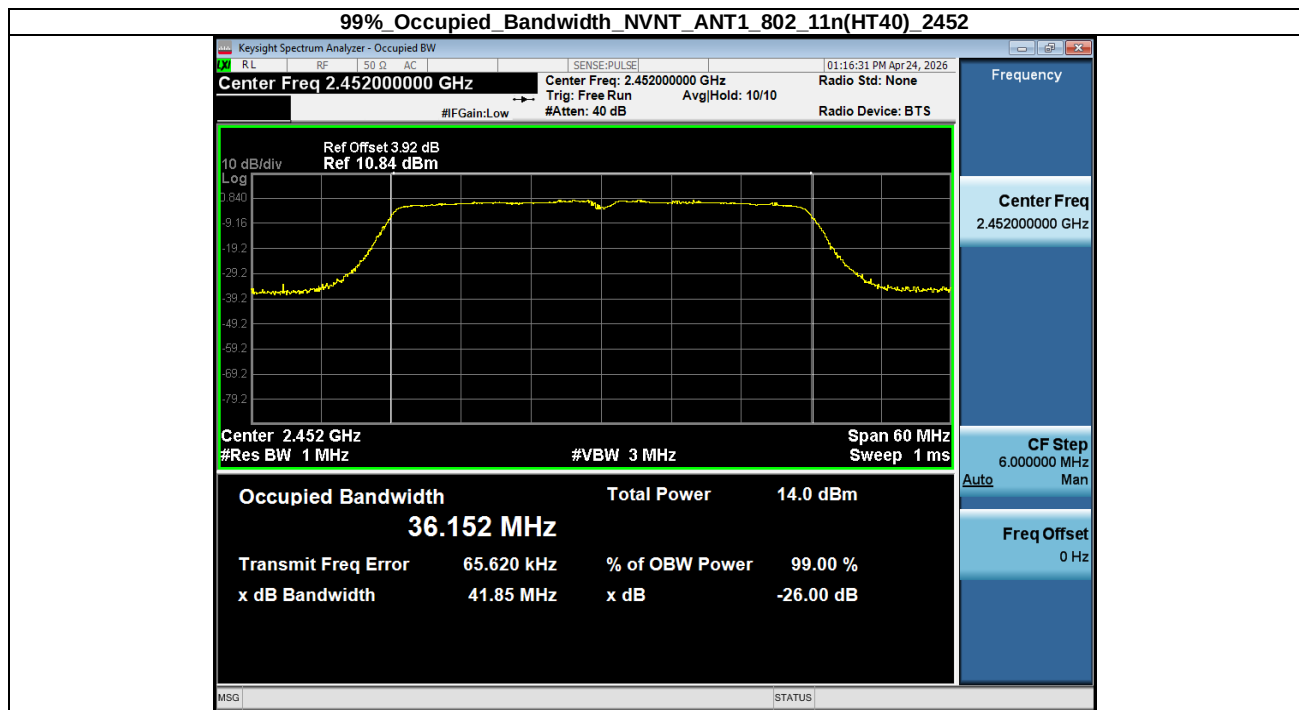
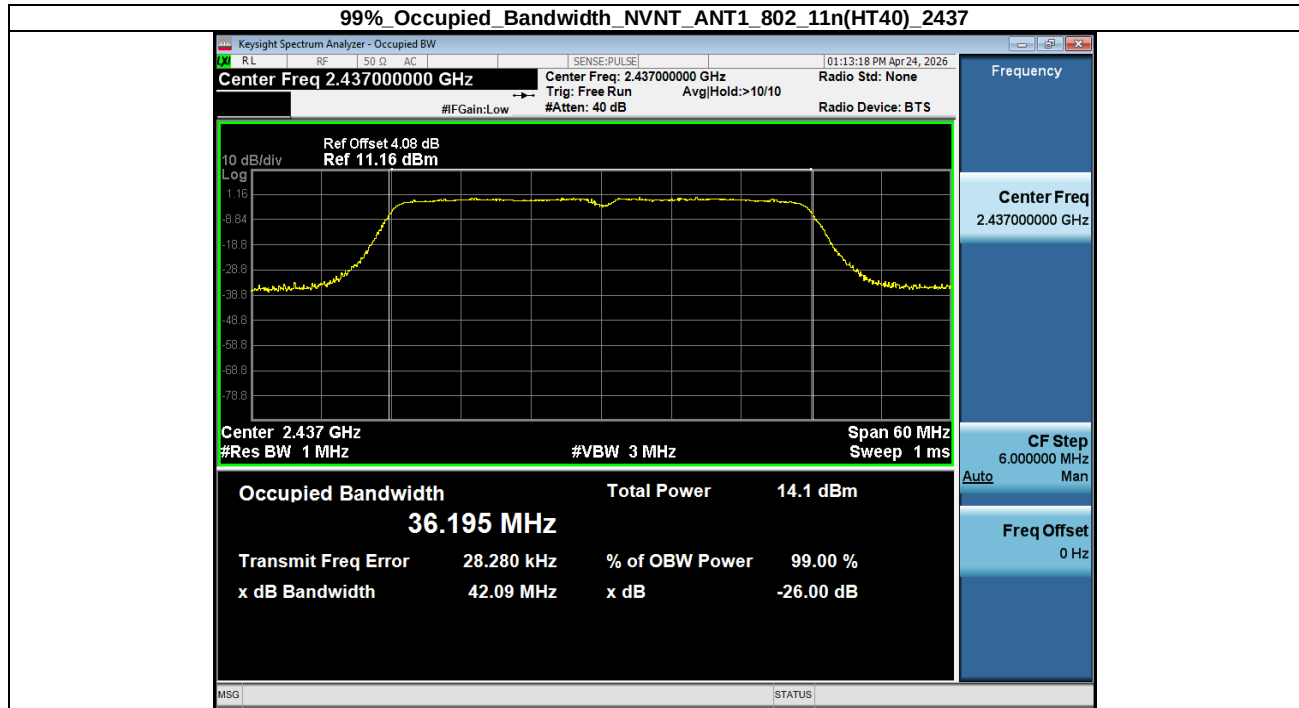












9. Band Edge Test

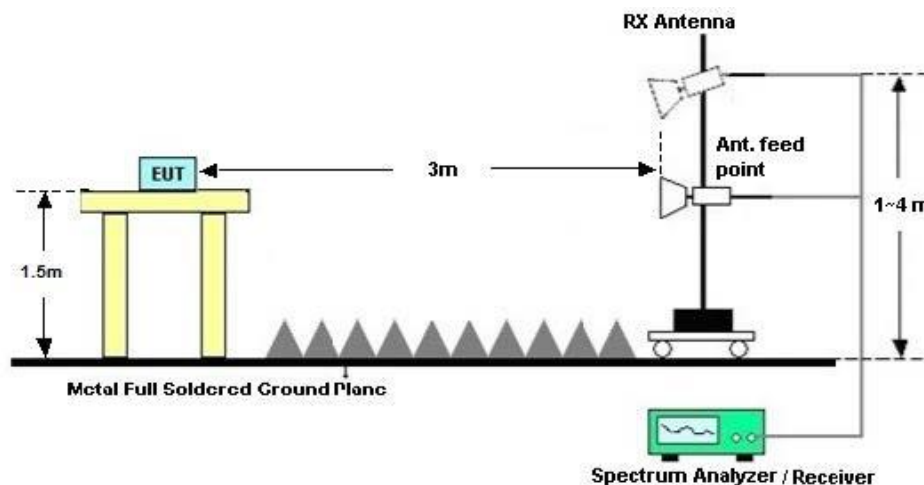
9.1. Test Limit

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)).

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

9.2. Block Diagram of Test Setup



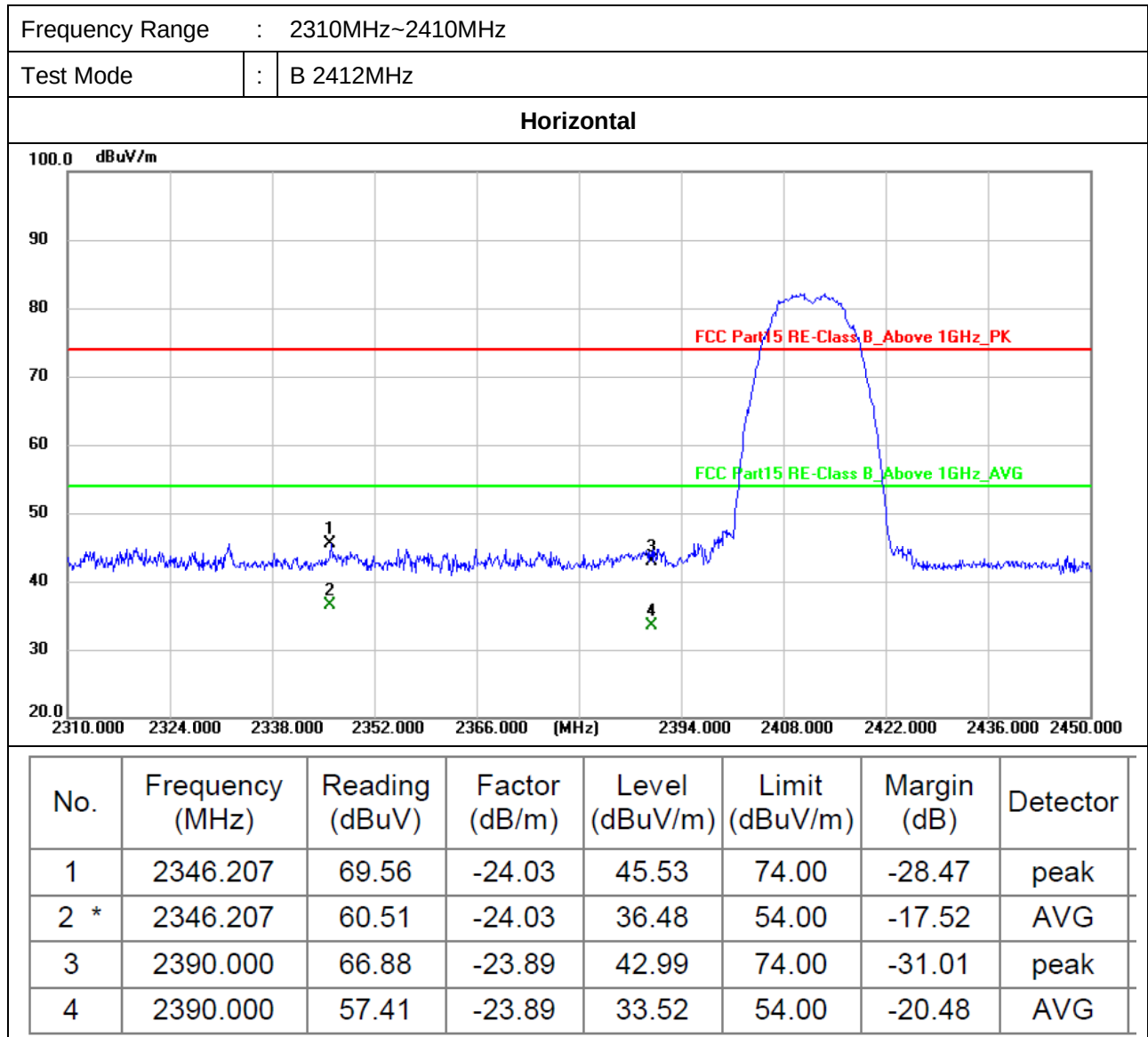
9.3. Test Procedure

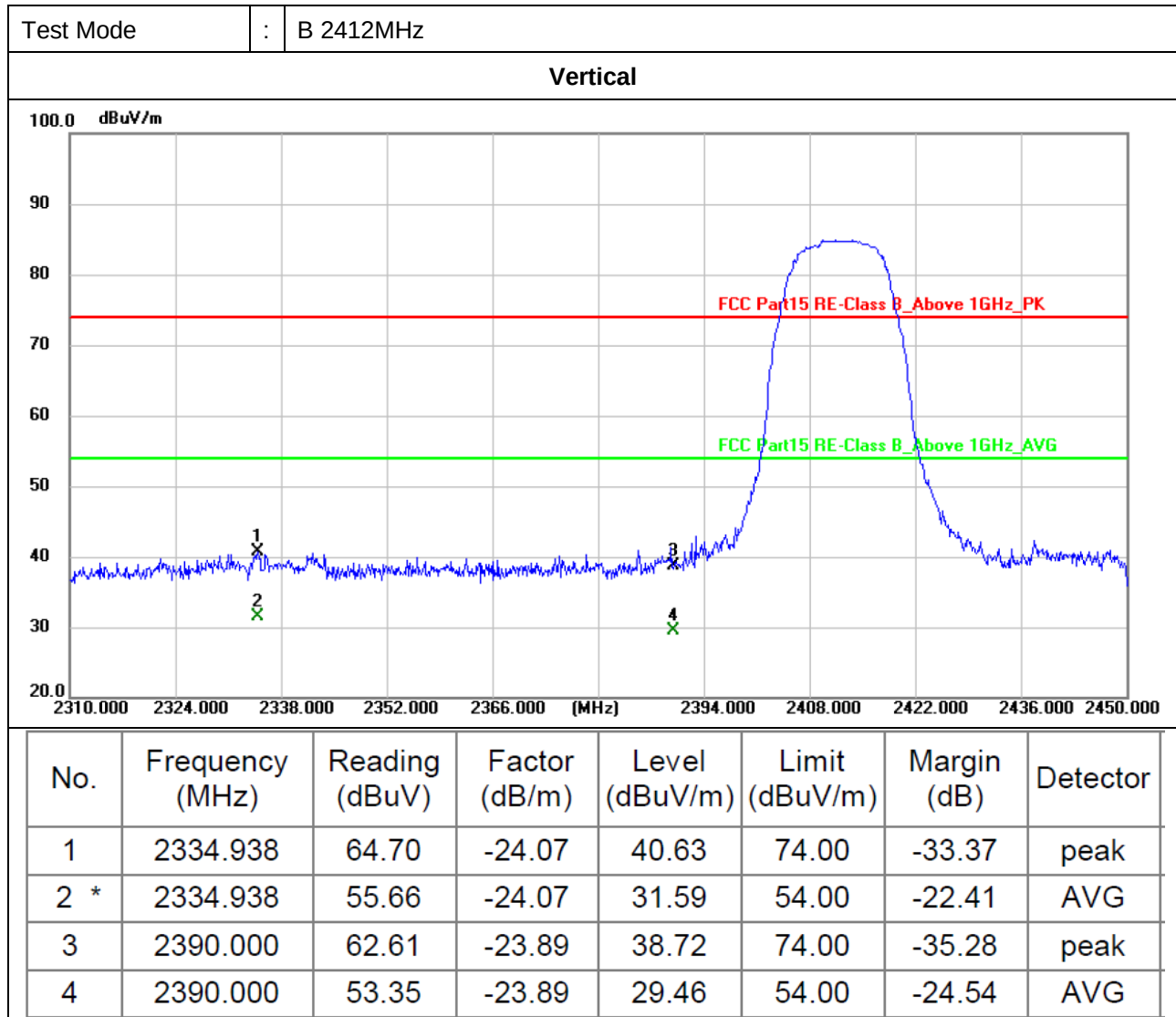
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.10.5.2
 All restriction band and non- restriction band have been tested, only worse case is reported.
 Details see the KDB558074 D01 Meas Guidance v05r02

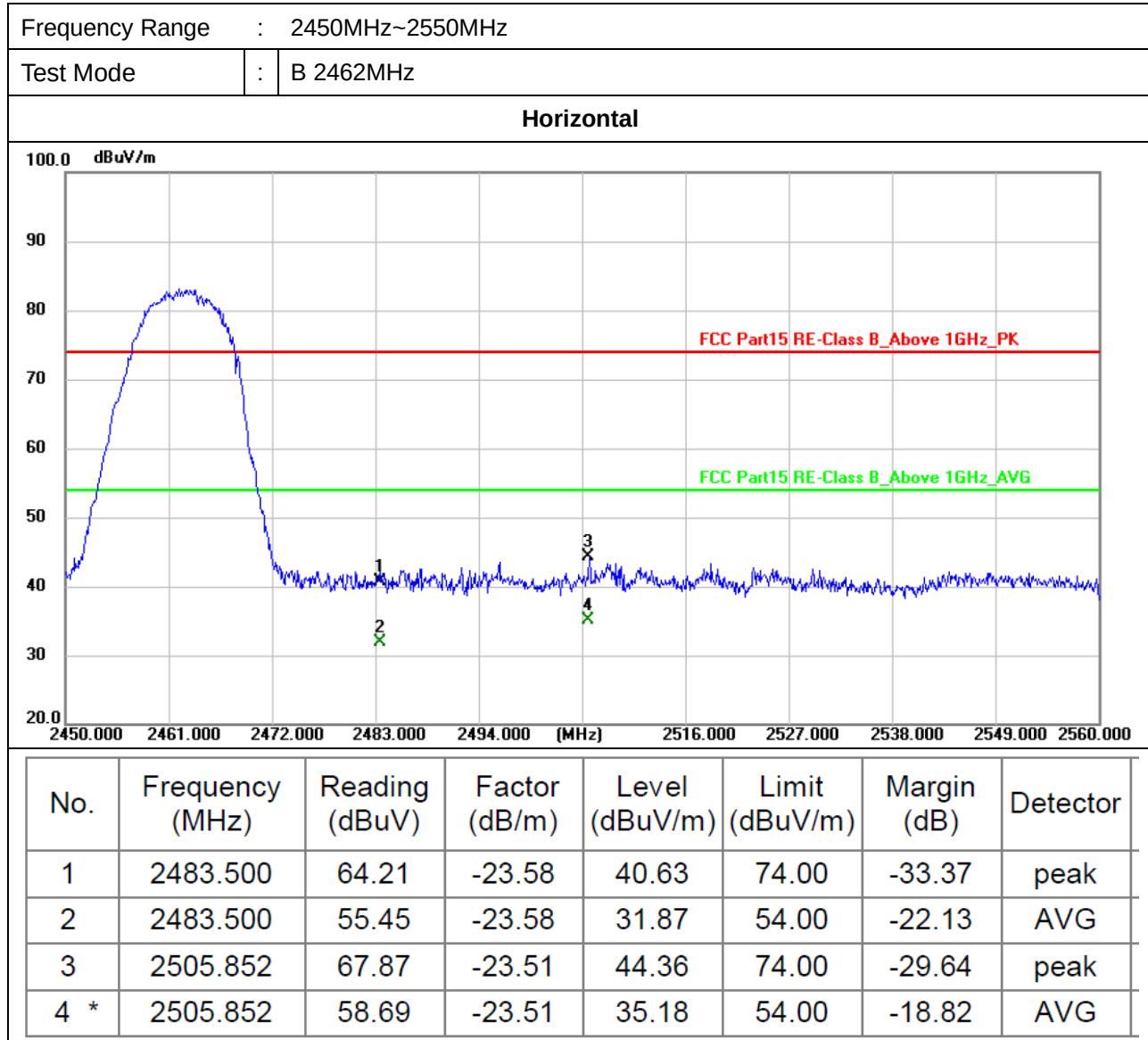
1. Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission
2. Check the spurious emissions out of band.
3. RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 10Hz, RMS detector for AV value.

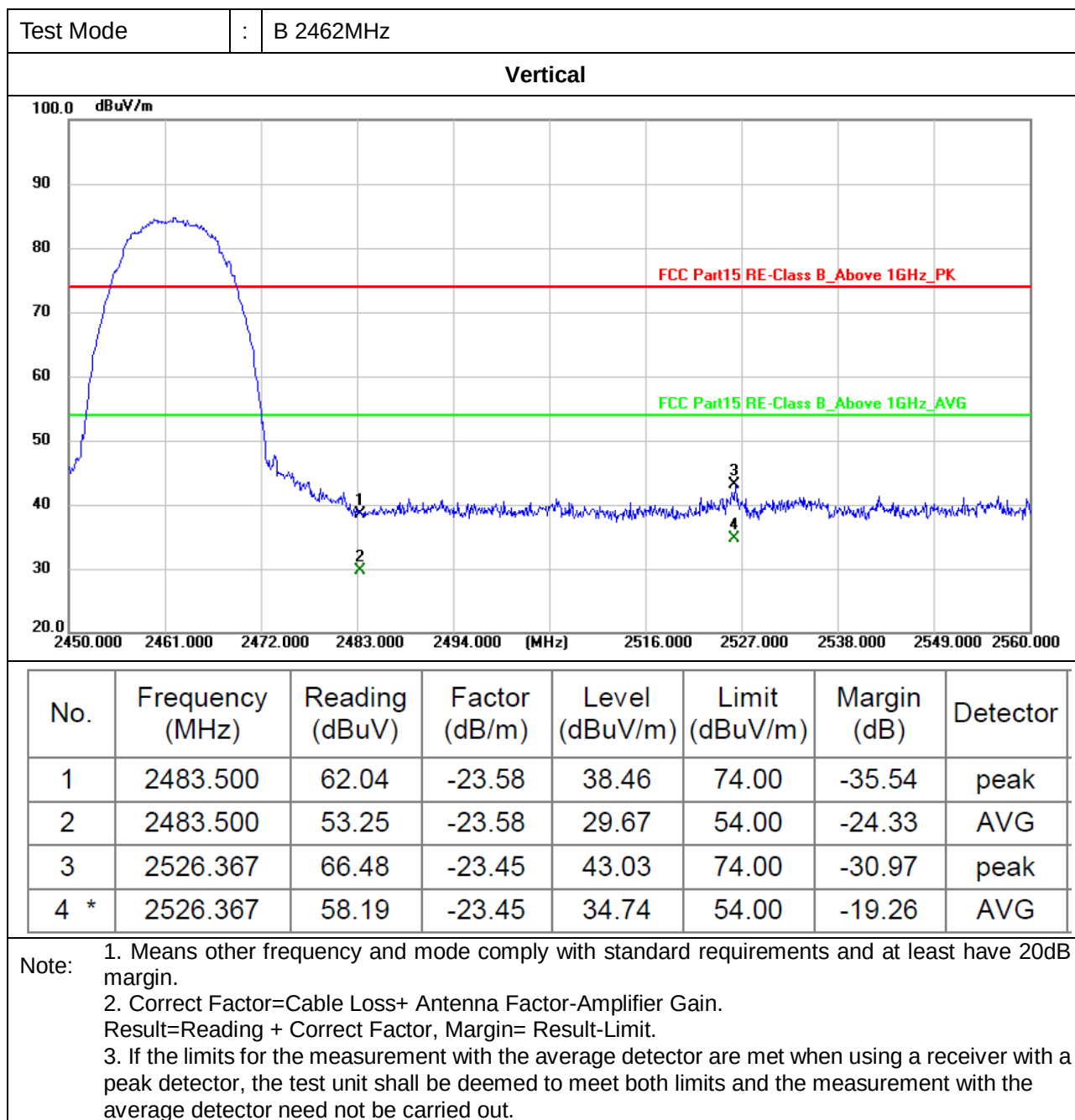
9.4. Test Results

Test Date	: 2026.04.28	Temperature	: 26°C
Test Engineer	: Felix Pang	Humidity	: 54%
Test Results	: PASS		





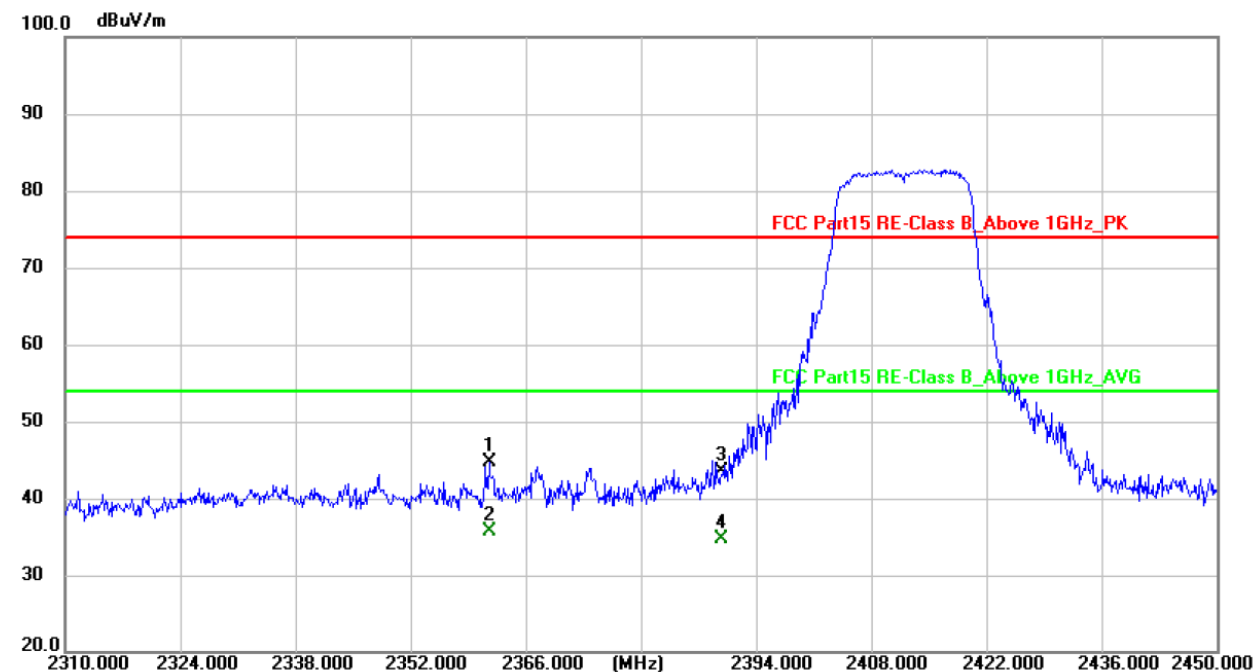




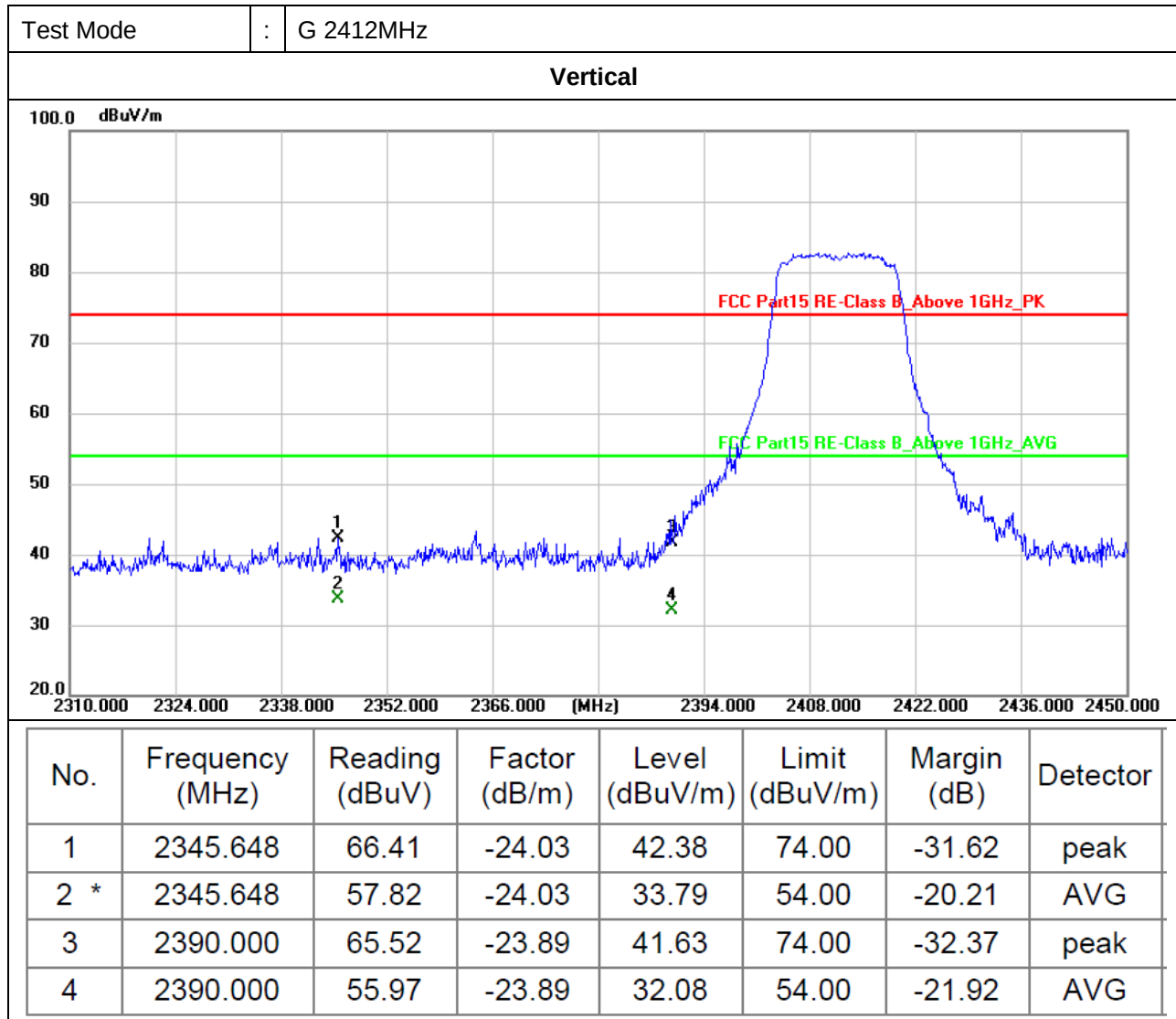
Frequency Range : 2310MHz~2410MHz

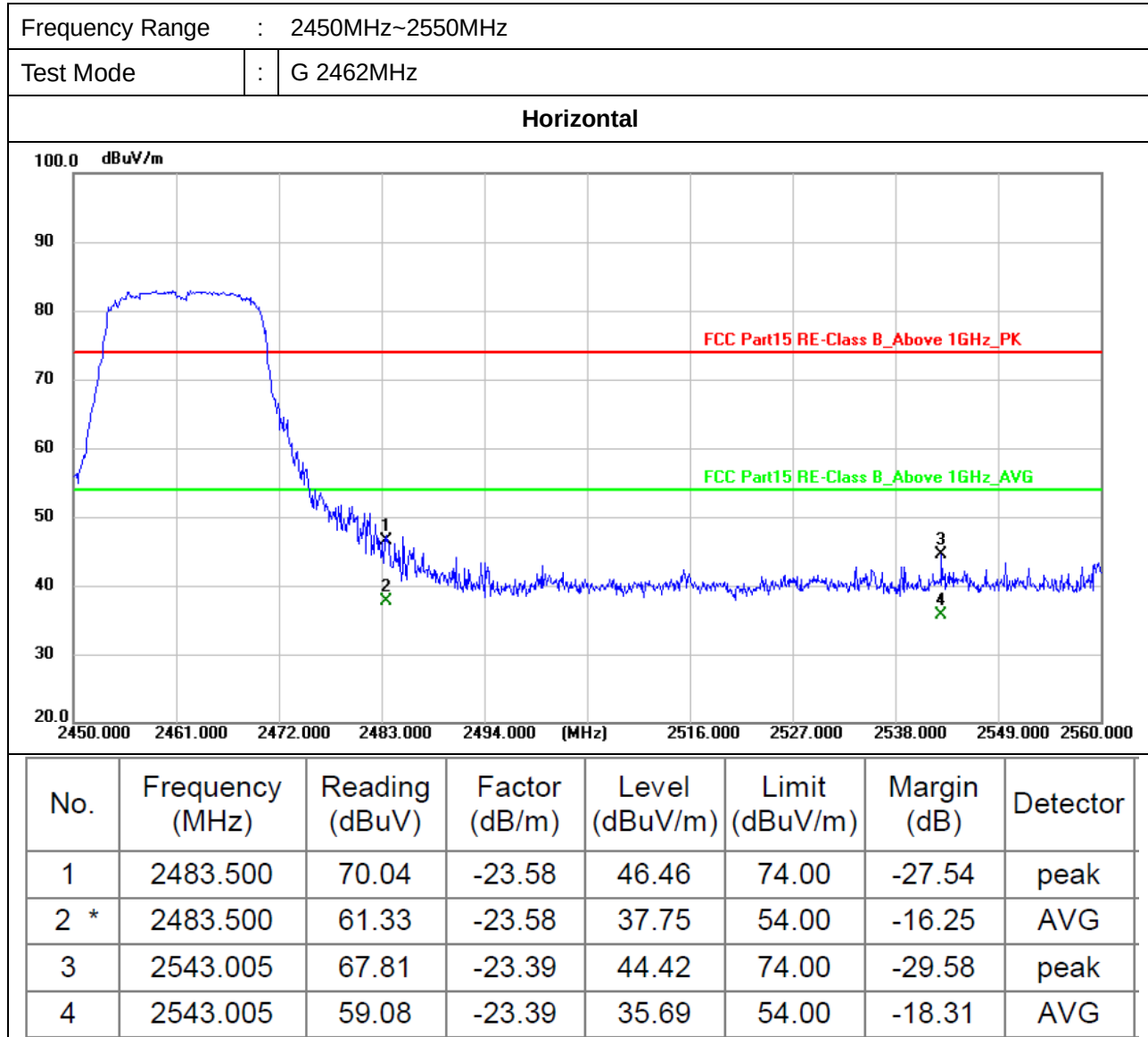
Test Mode : G 2412MHz

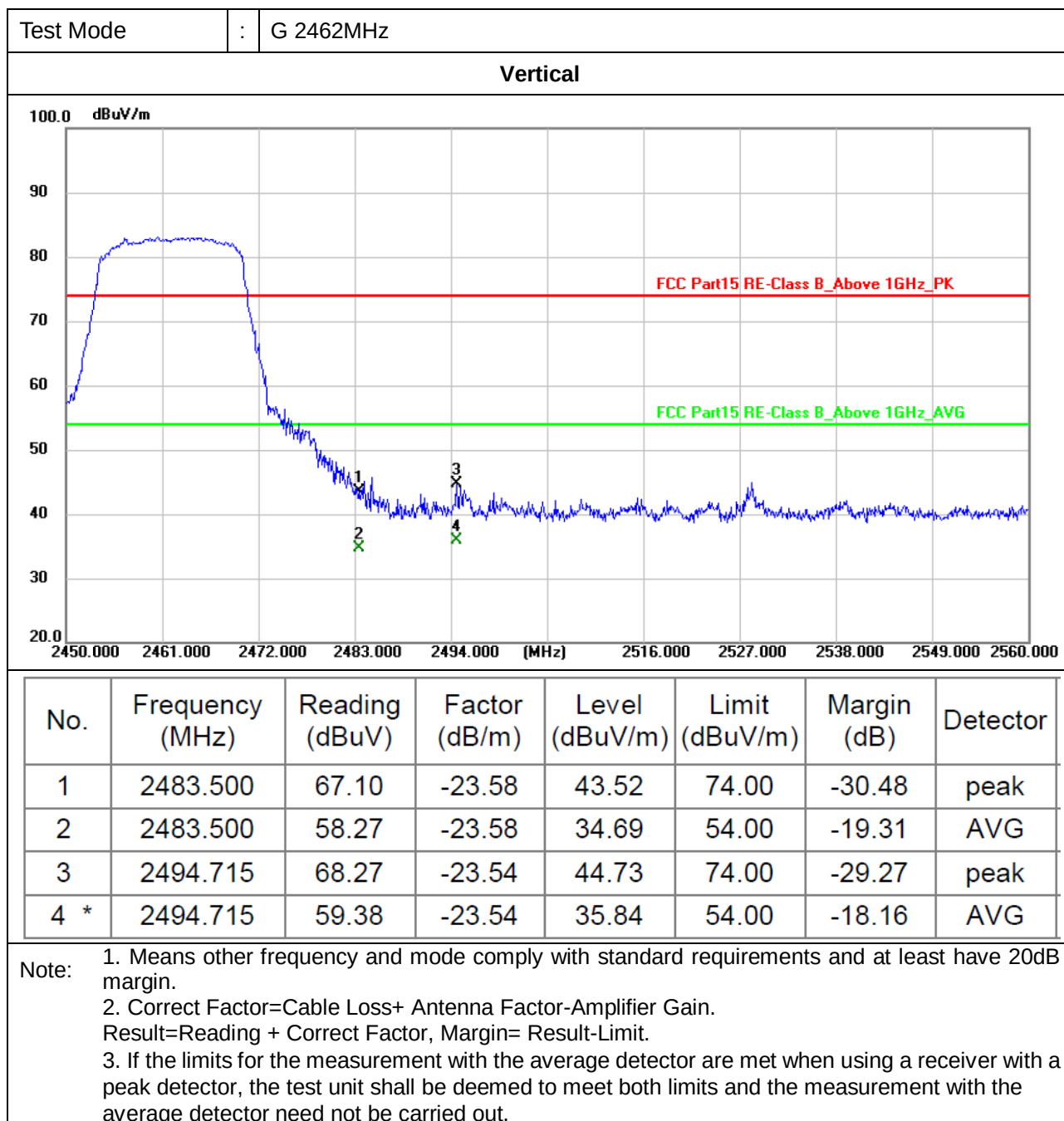
Horizontal

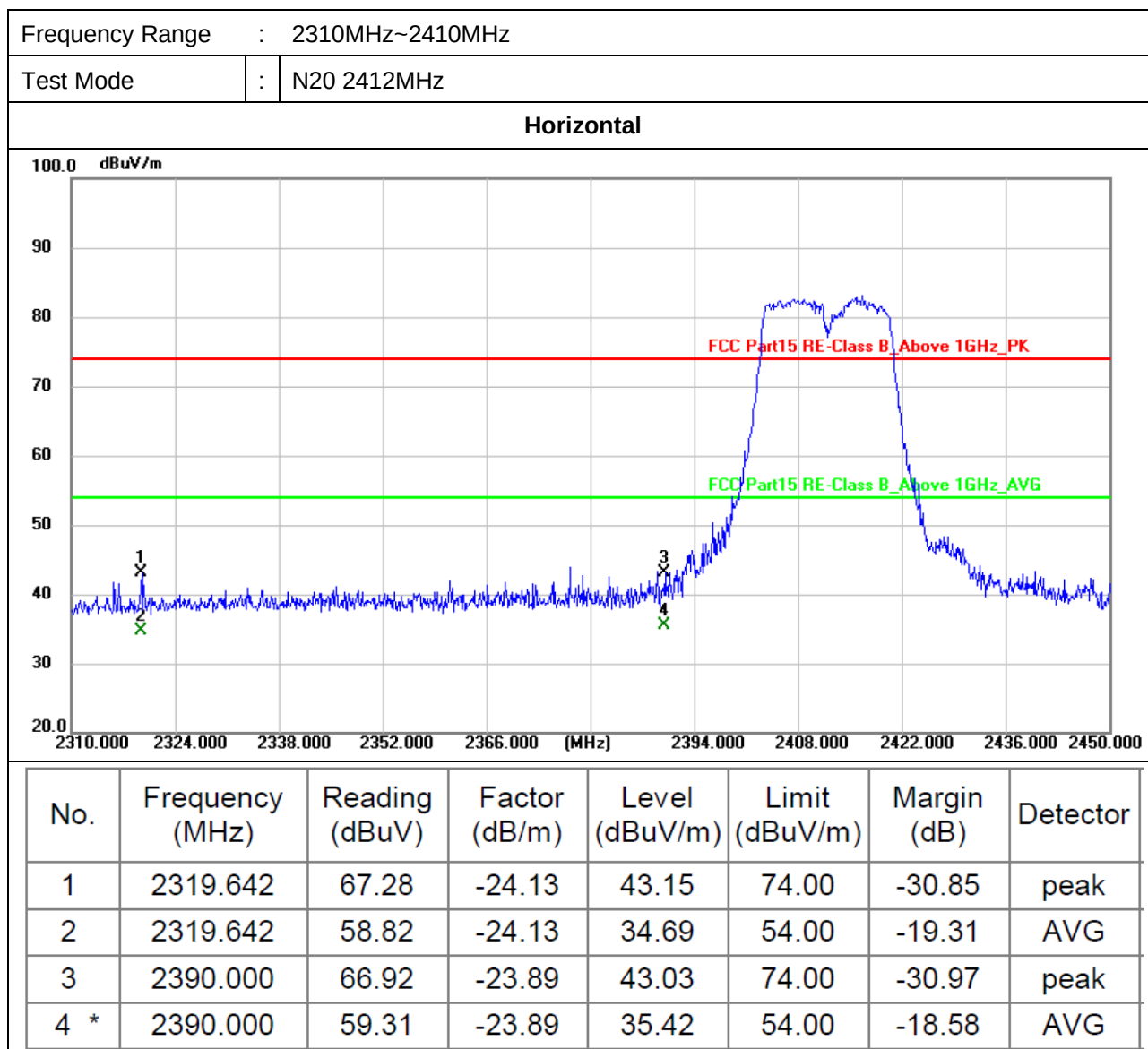


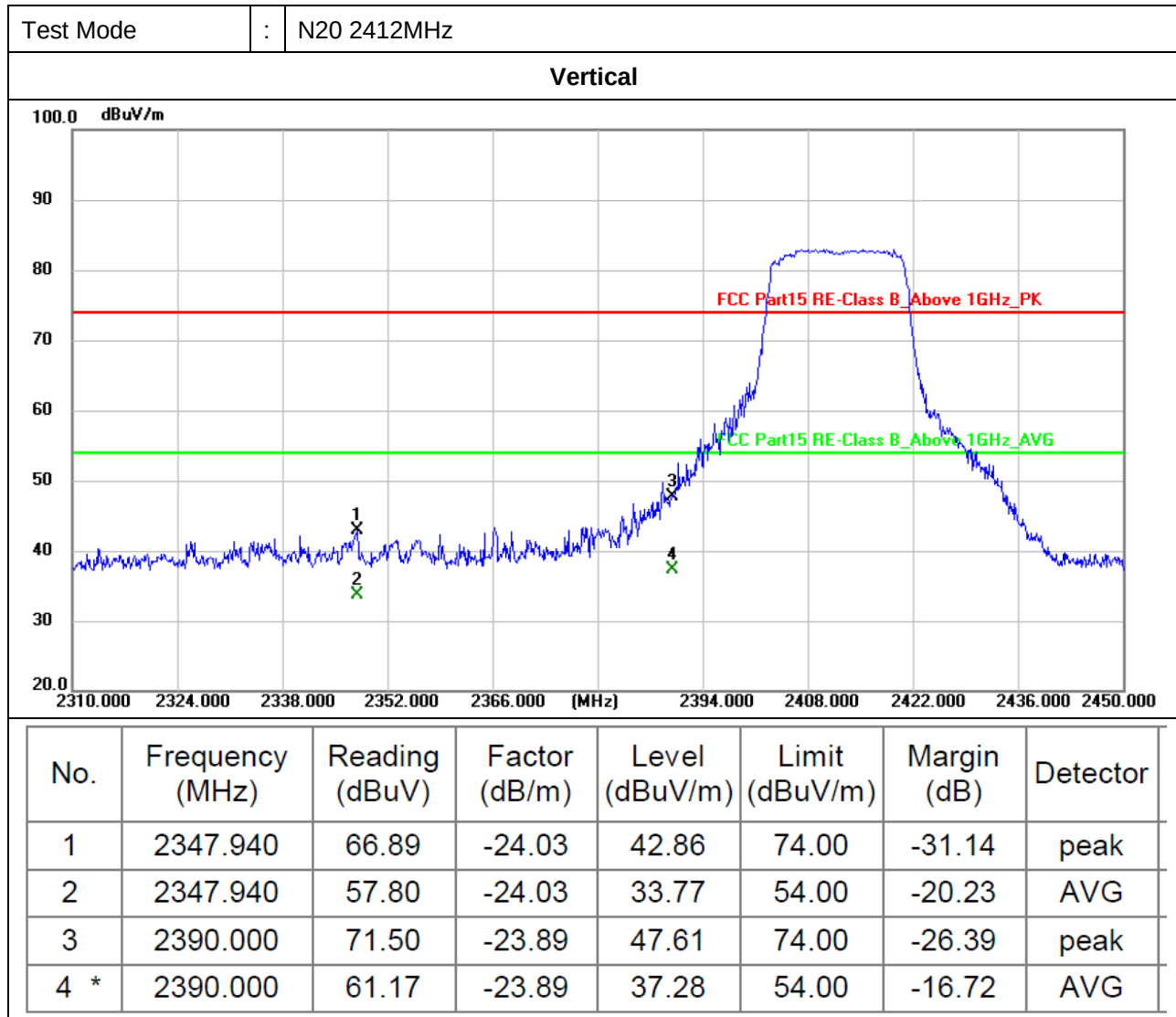
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2361.520	68.69	-23.99	44.70	74.00	-29.30	peak
2 *	2361.520	59.60	-23.99	35.61	54.00	-18.39	AVG
3	2390.000	67.38	-23.89	43.49	74.00	-30.51	peak
4	2390.000	58.67	-23.89	34.78	54.00	-19.22	AVG

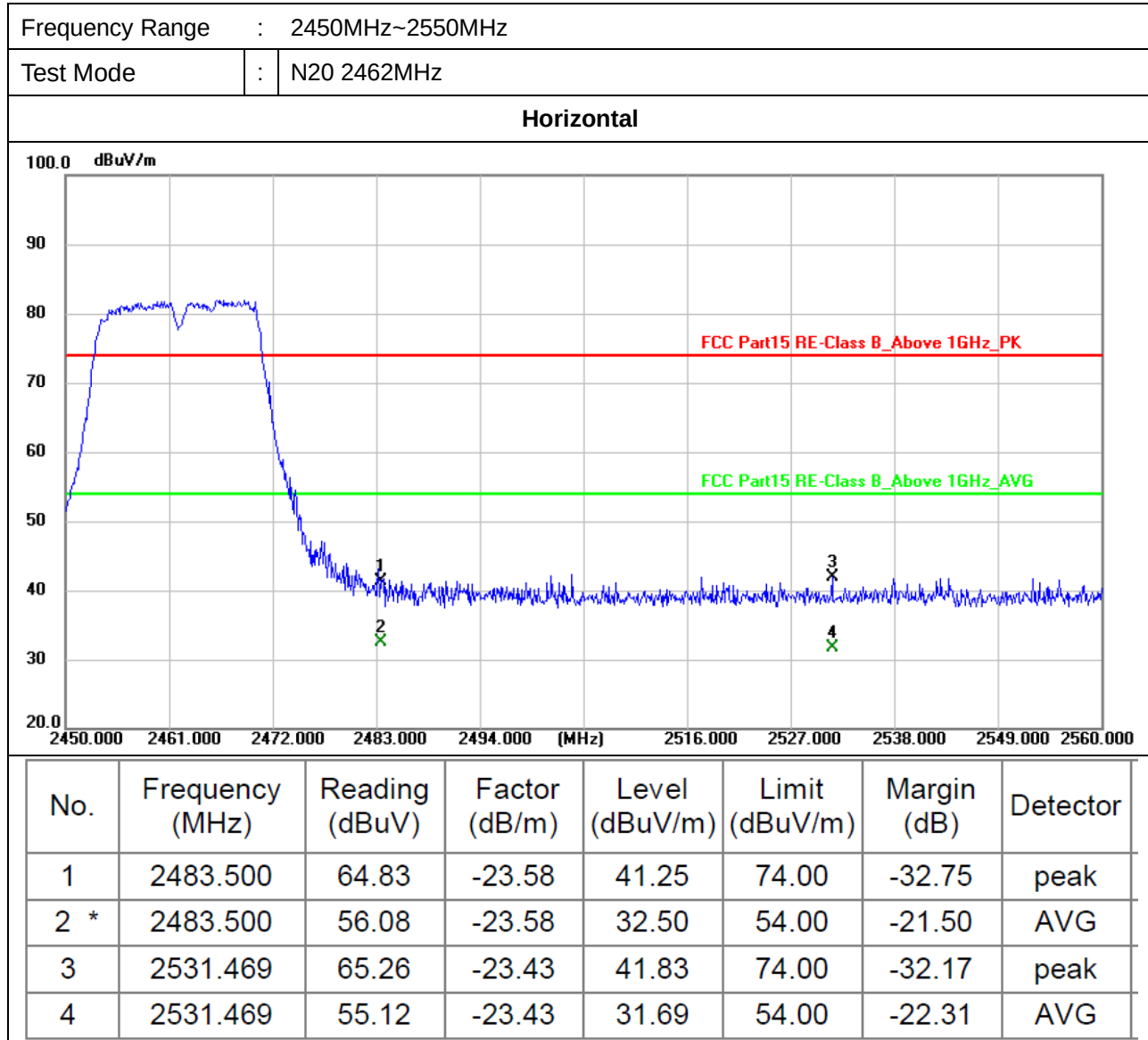


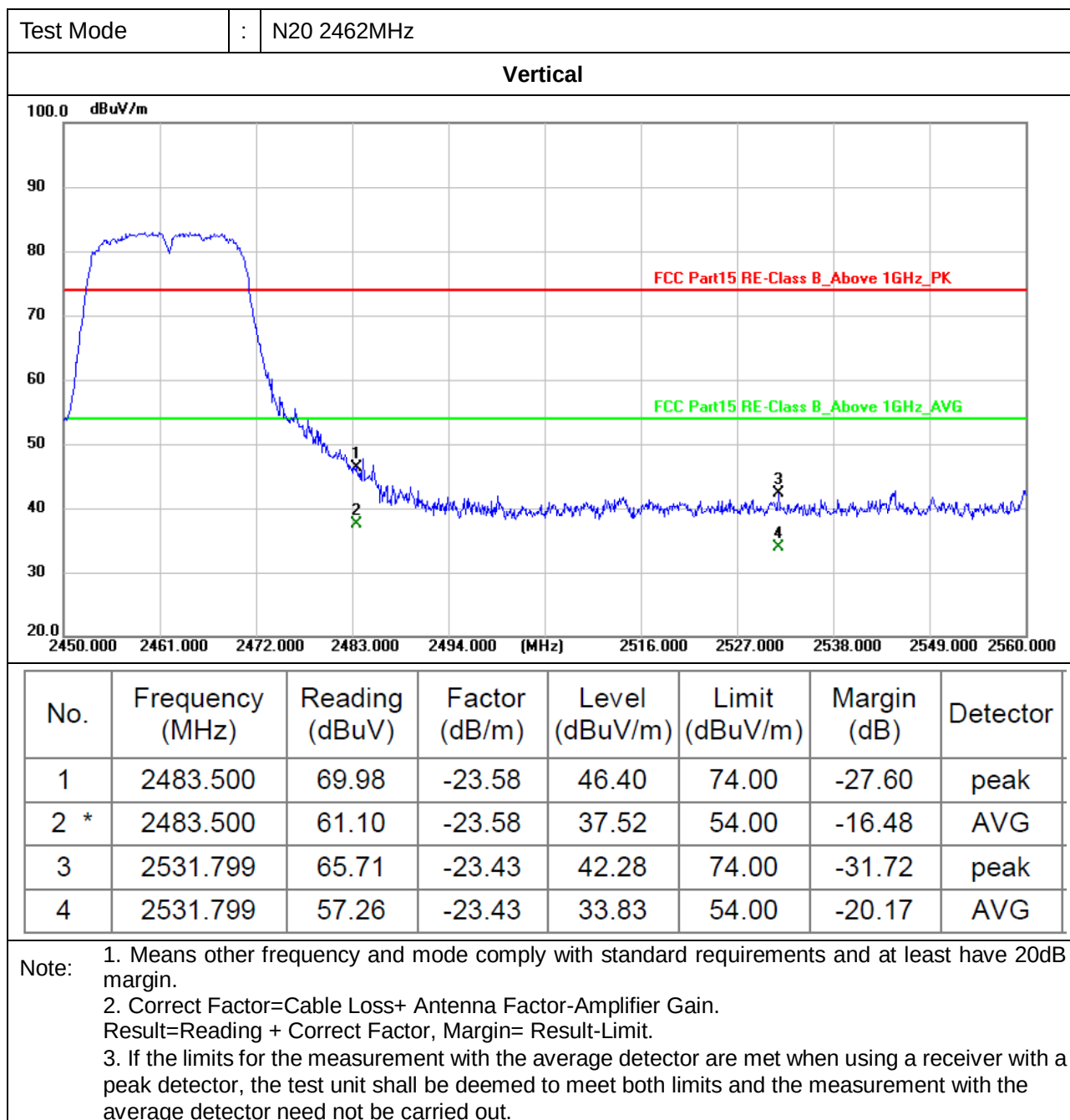








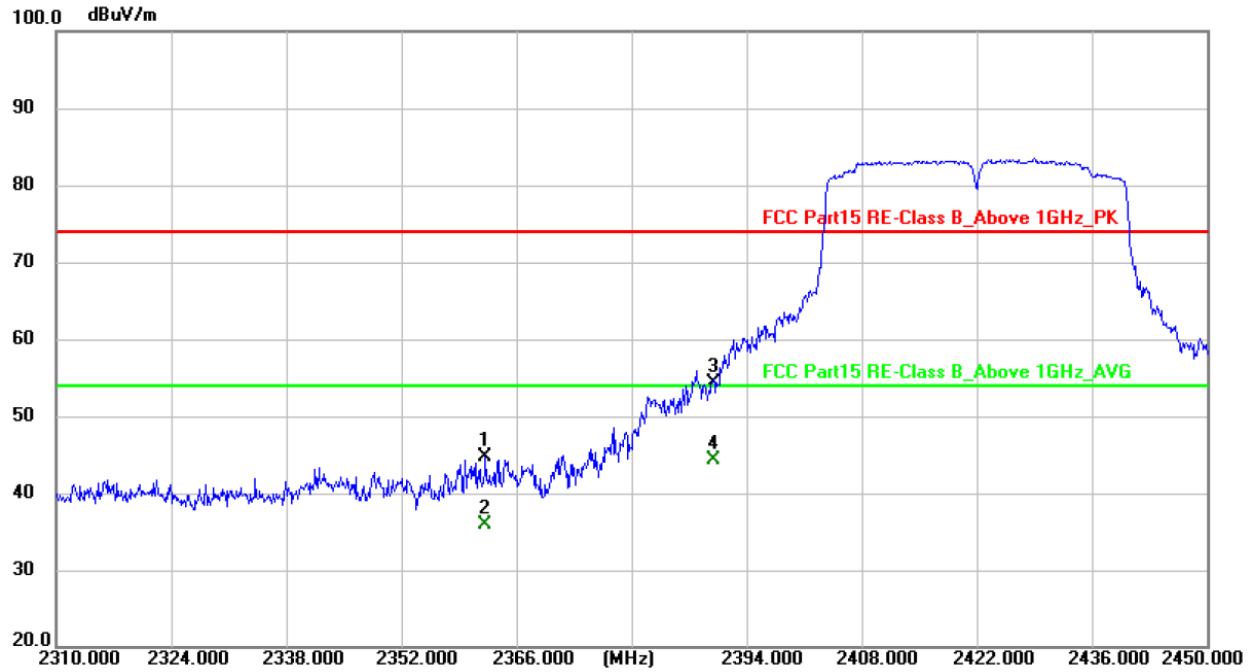




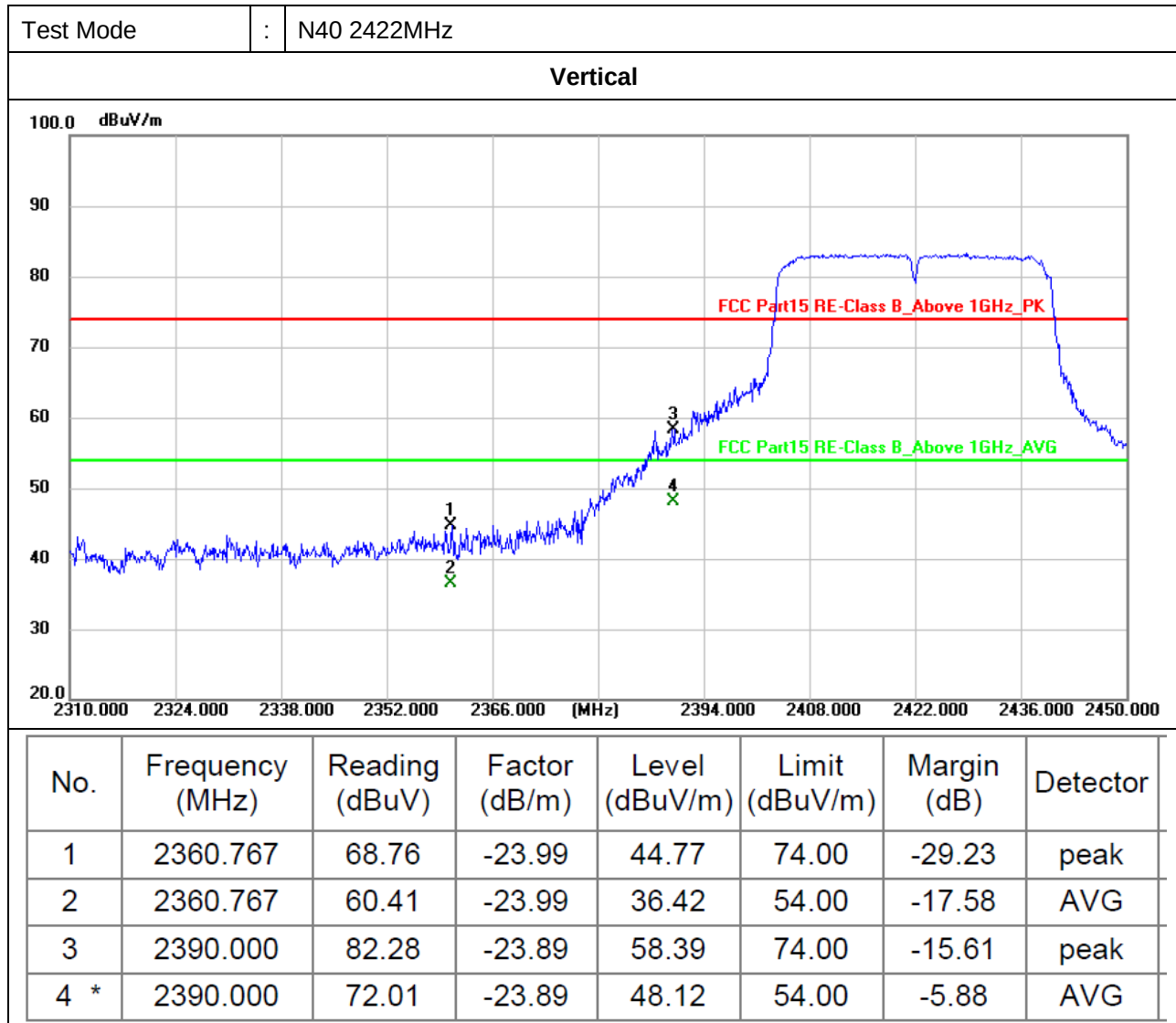
Frequency Range : 2310MHz~2410MHz

Test Mode : N40 2422MHz

Horizontal



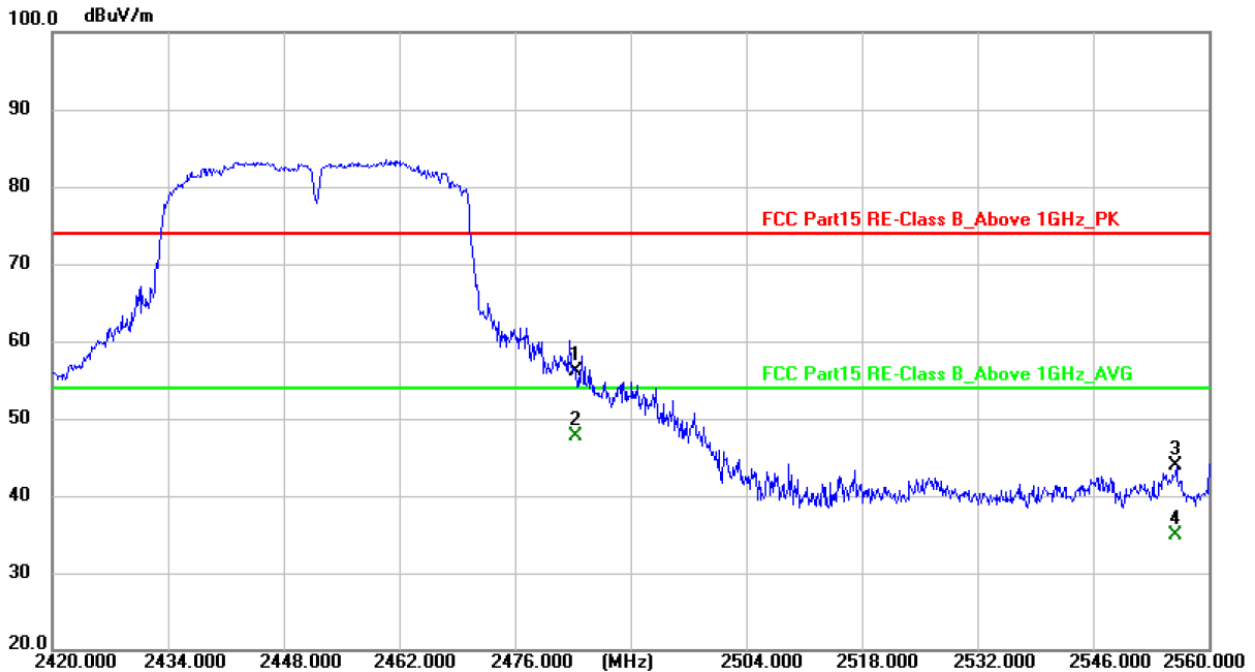
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2362.220	68.60	-23.98	44.62	74.00	-29.38	peak
2	2362.220	59.83	-23.98	35.85	54.00	-18.15	AVG
3	2390.000	78.18	-23.89	54.29	74.00	-19.71	peak
4 *	2390.000	68.25	-23.89	44.36	54.00	-9.64	AVG



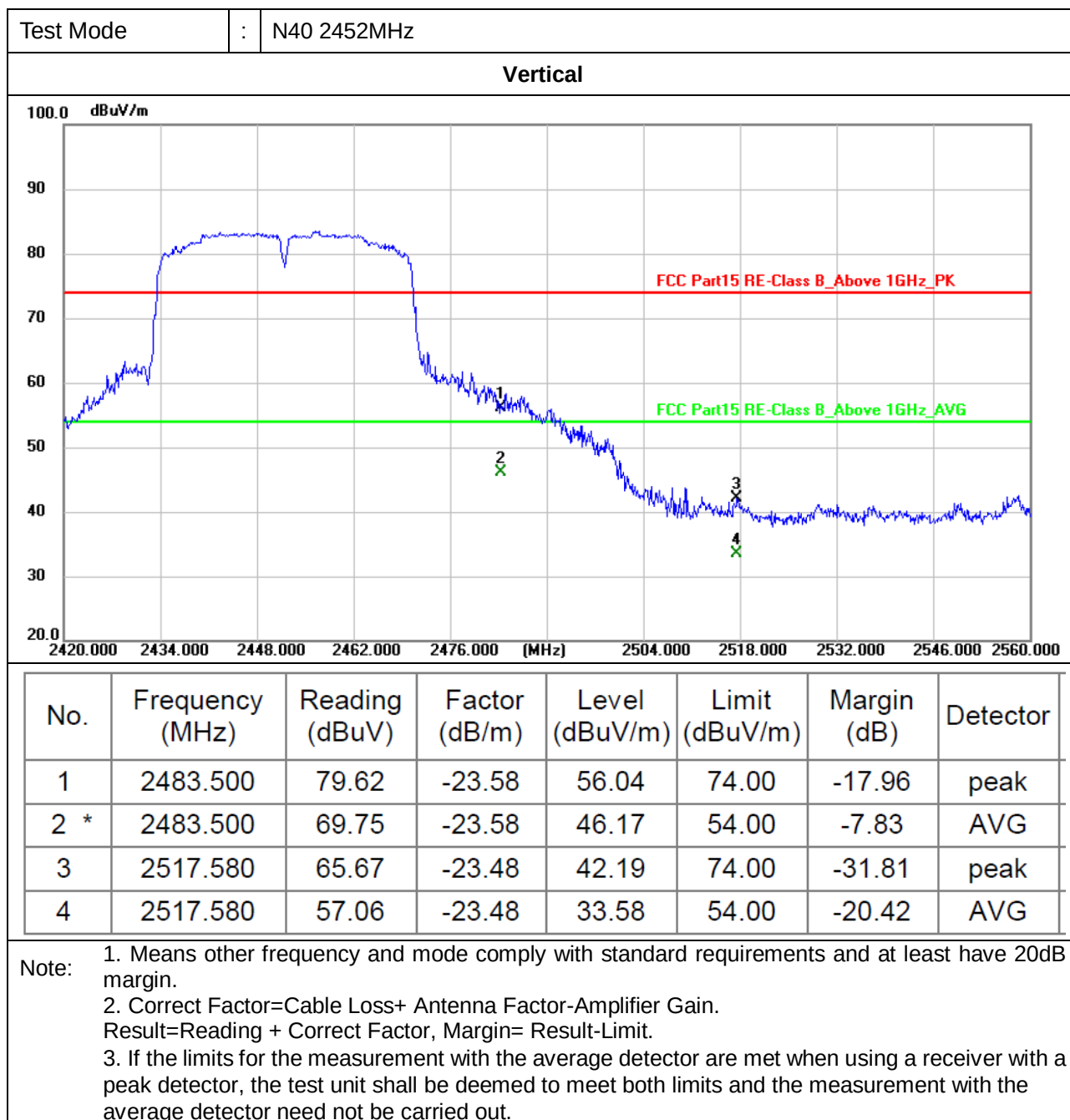
Frequency Range : 2450MHz~2550MHz

Test Mode : N40 2452MHz

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2483.500	79.74	-23.58	56.16	74.00	-17.84	peak
2 *	2483.500	71.19	-23.58	47.61	54.00	-6.39	AVG
3	2556.097	67.19	-23.35	43.84	74.00	-30.16	peak
4	2556.097	58.33	-23.35	34.98	54.00	-19.02	AVG



10. Antenna Requirement

10.1. Standard 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. 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.

10.2. Results

The EUT antenna is internal antenna. It complies with the standard requirement.

11. Photos of test setup

Reference to the **psi2604194-C01-R01 appendix I Test Setup Photo** for details.

12. Photos of EUT

Reference to the **psi2604194-C01-R01 appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----