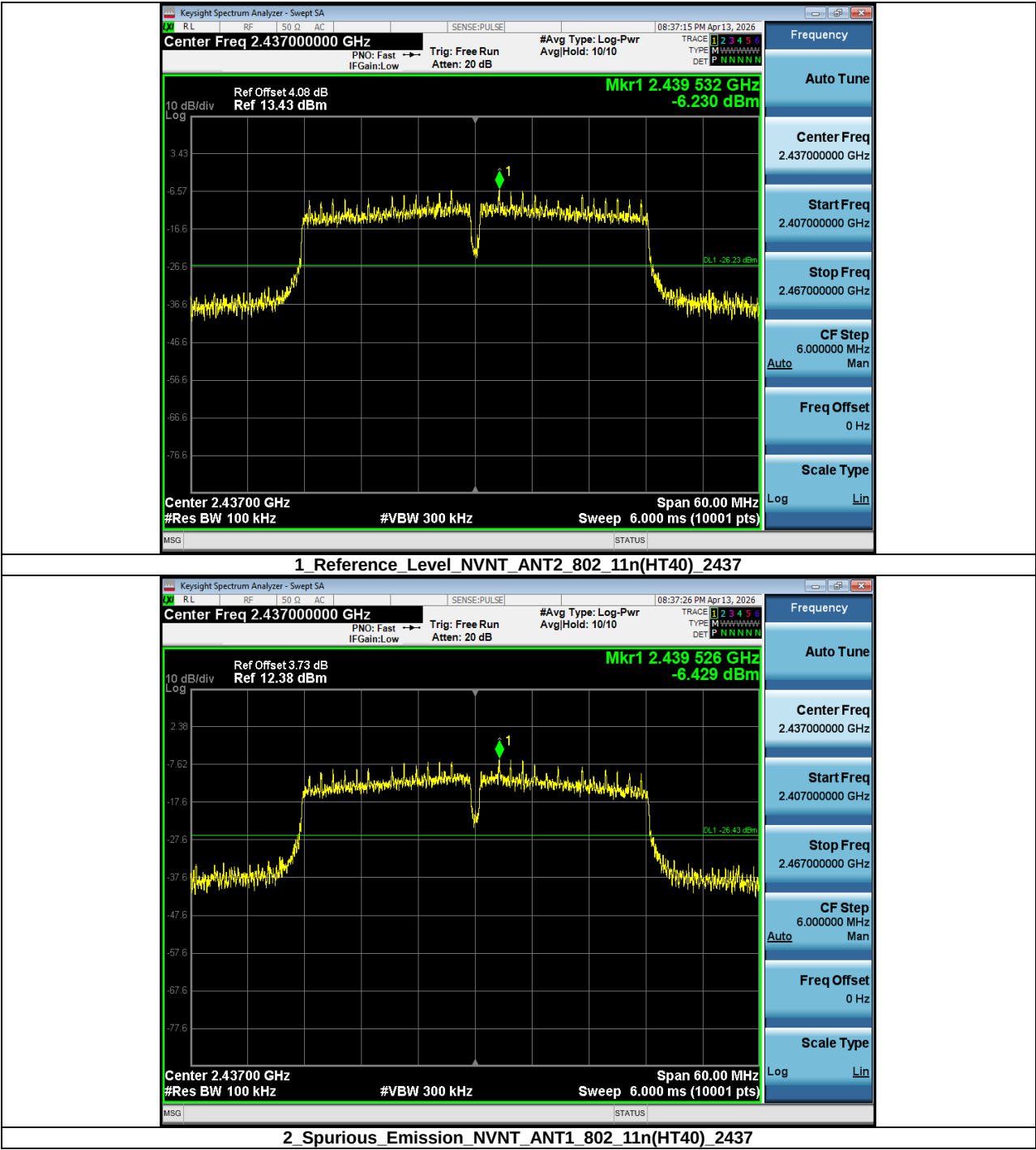
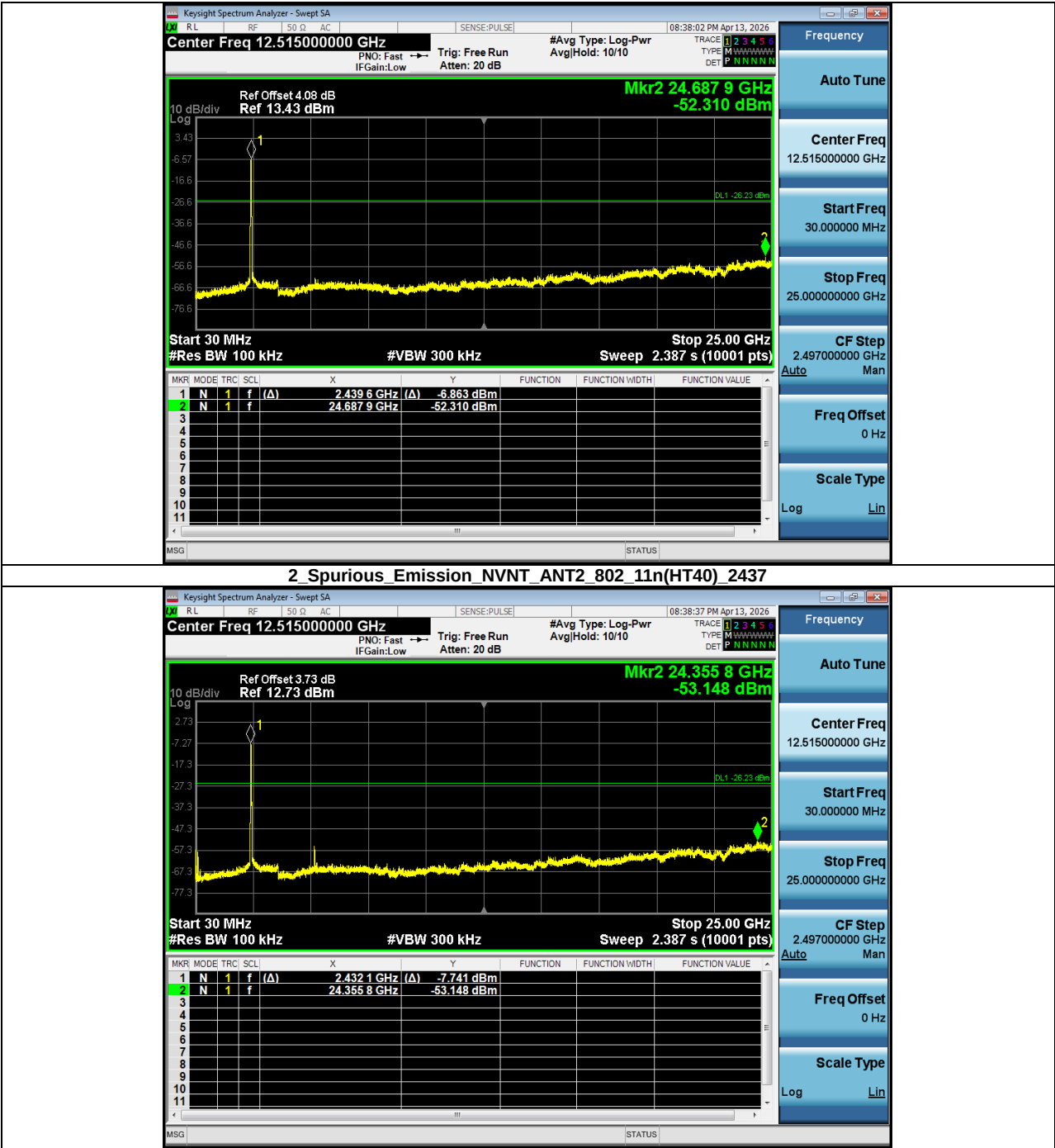
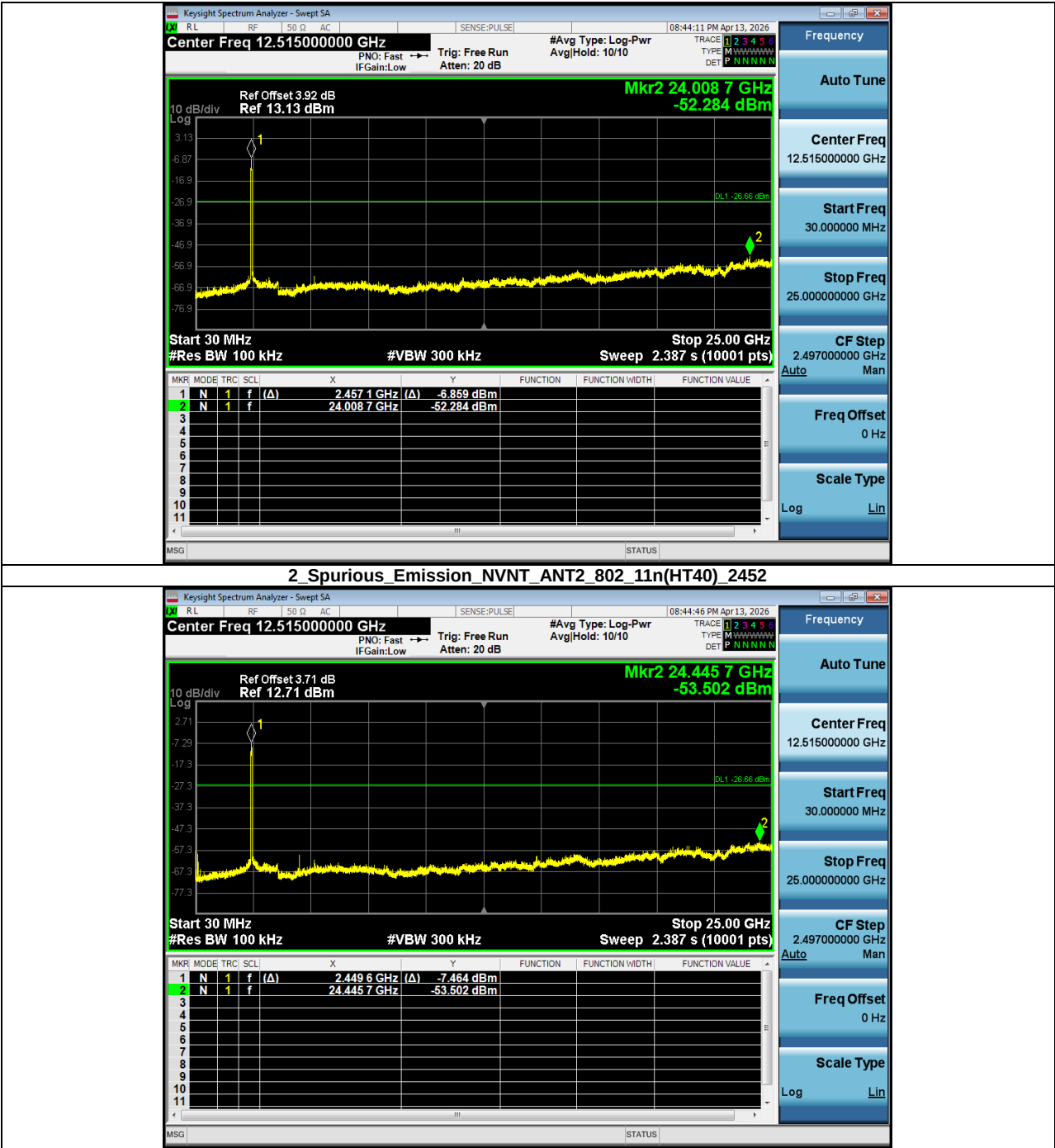






1 Reference Level NVNT_ANT1_802_11n(HT40)_2452





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)

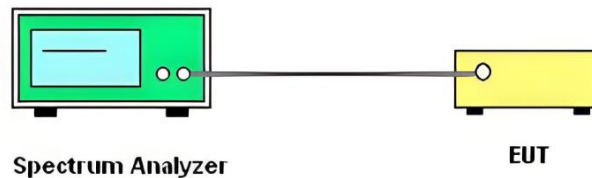
6.2. Test Procedure

ANSI C63.10-2020+COR.1-2023+Cor.1-2023, section 11.9.1 Maximum peak conducted output power.

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

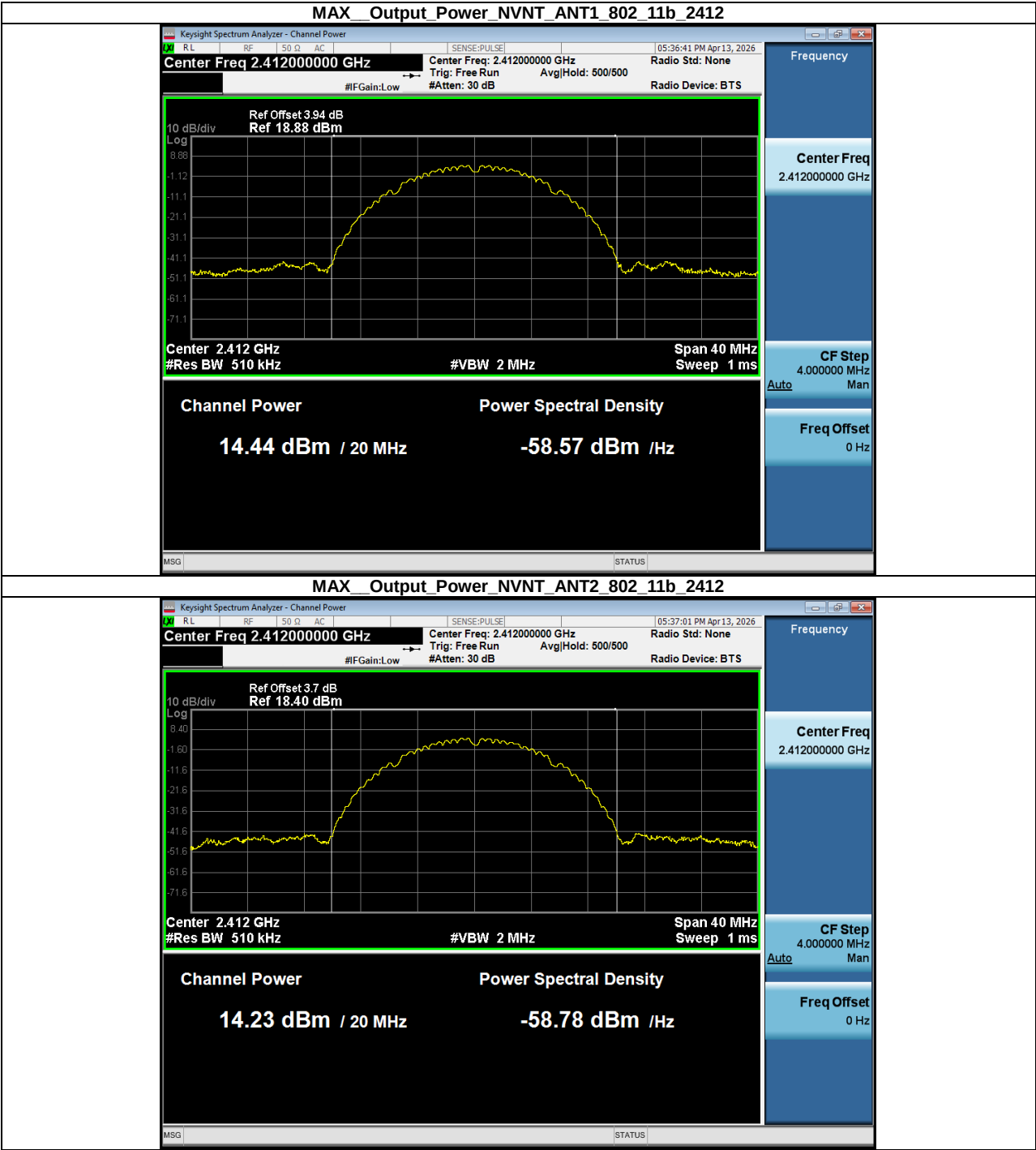
- a) Set the RBW $\geq$ DTS bandwidth.
- b) Set VBW $\geq [3 \times \text{RBW}]$.
- c) Set span $\geq [3 \times \text{RBW}]$.
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

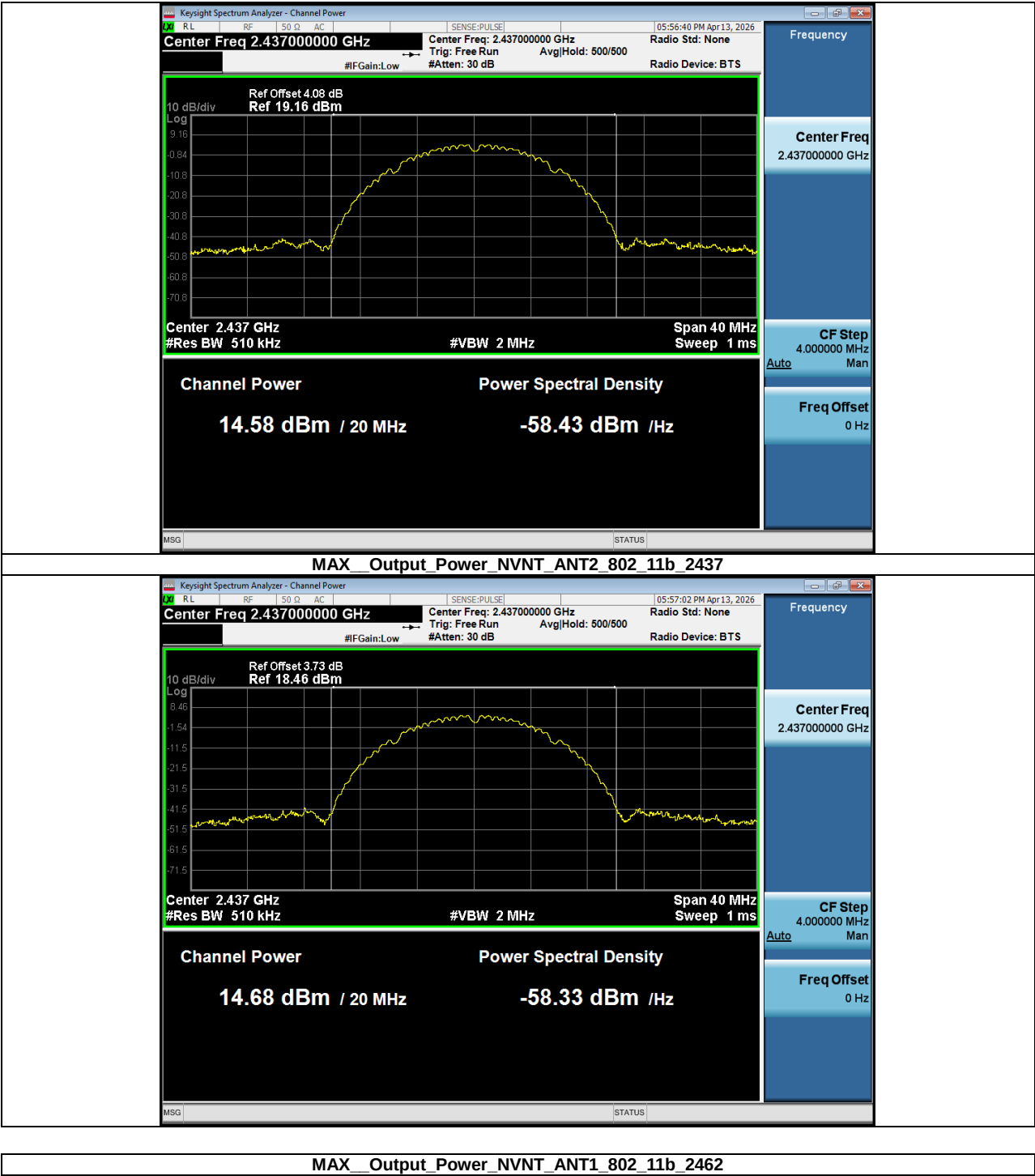
6.3. Test Setup

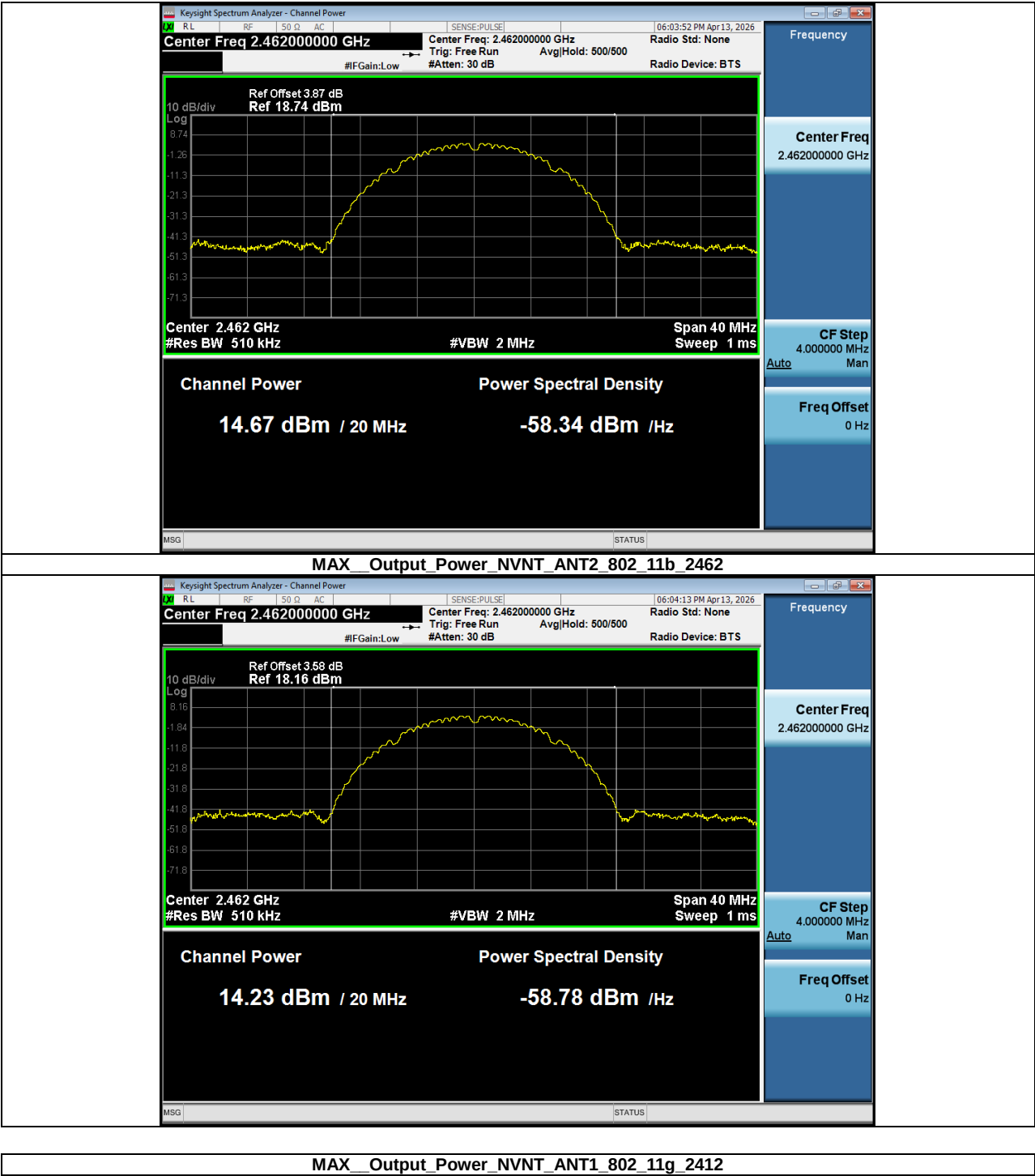


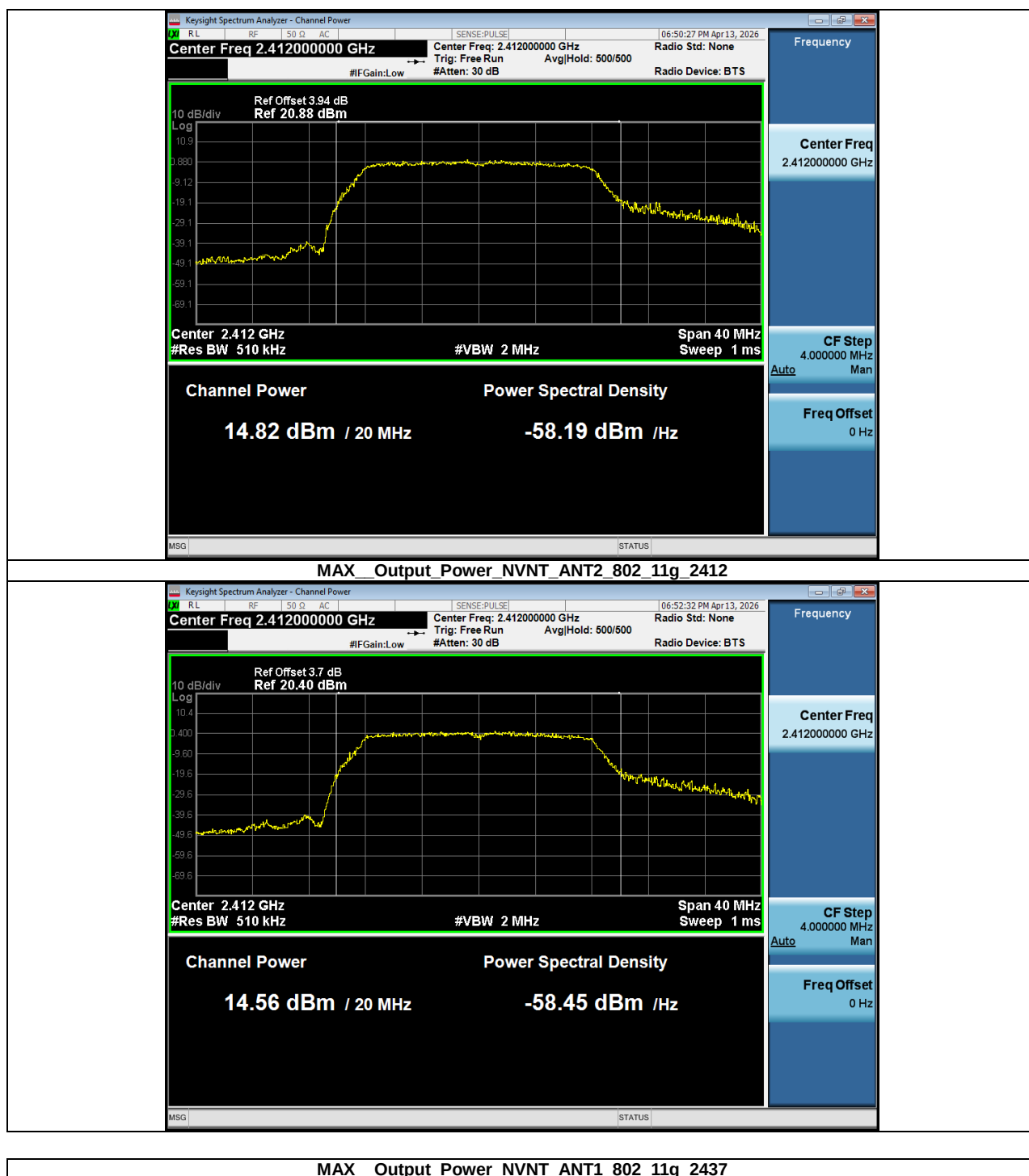
6.4. Test Results

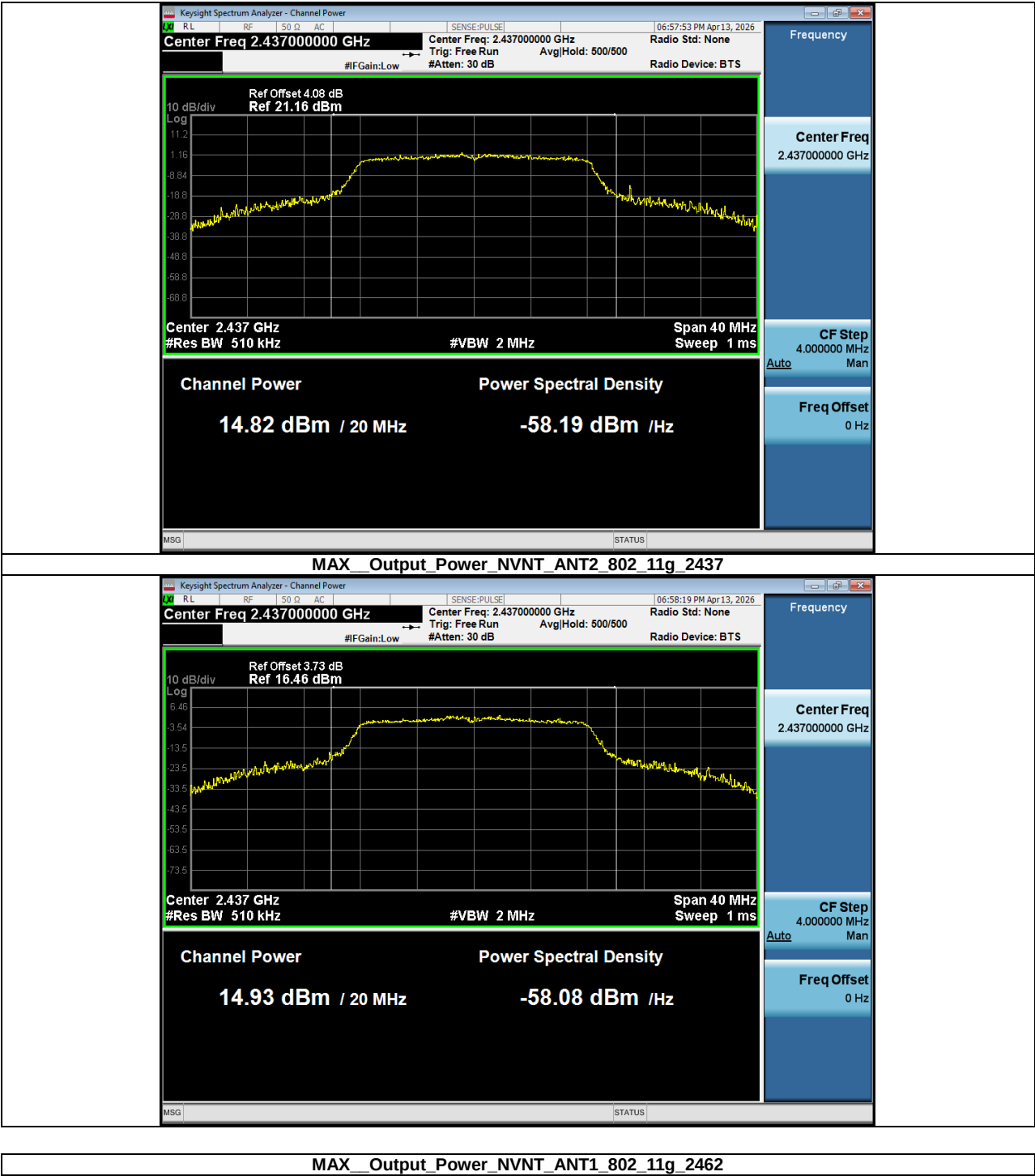
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	14.44	N/A	14.44	30	Pass
NVNT	ANT2	802.11b	2412.00	Peak	14.23	N/A	14.23	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	14.58	N/A	14.58	30	Pass
NVNT	ANT2	802.11b	2437.00	Peak	14.68	N/A	14.68	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	14.67	N/A	14.67	30	Pass
NVNT	ANT2	802.11b	2462.00	Peak	14.23	N/A	14.23	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	14.82	N/A	14.82	30	Pass
NVNT	ANT2	802.11g	2412.00	Peak	14.56	N/A	14.56	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	14.82	N/A	14.82	30	Pass
NVNT	ANT2	802.11g	2437.00	Peak	14.93	N/A	14.93	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	15.00	N/A	15.00	30	Pass
NVNT	ANT2	802.11g	2462.00	Peak	14.47	N/A	14.47	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	13.46	N/A	13.46	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	Peak	14.23	N/A	14.23	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	15.02	N/A	15.02	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	Peak	13.85	N/A	13.85	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	14.21	N/A	14.21	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	Peak	13.87	N/A	13.87	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	14.67	N/A	14.67	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	Peak	13.68	N/A	13.68	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	14.85	N/A	14.85	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	Peak	13.68	N/A	13.68	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	14.22	N/A	14.22	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	Peak	13.54	N/A	13.54	30	Pass



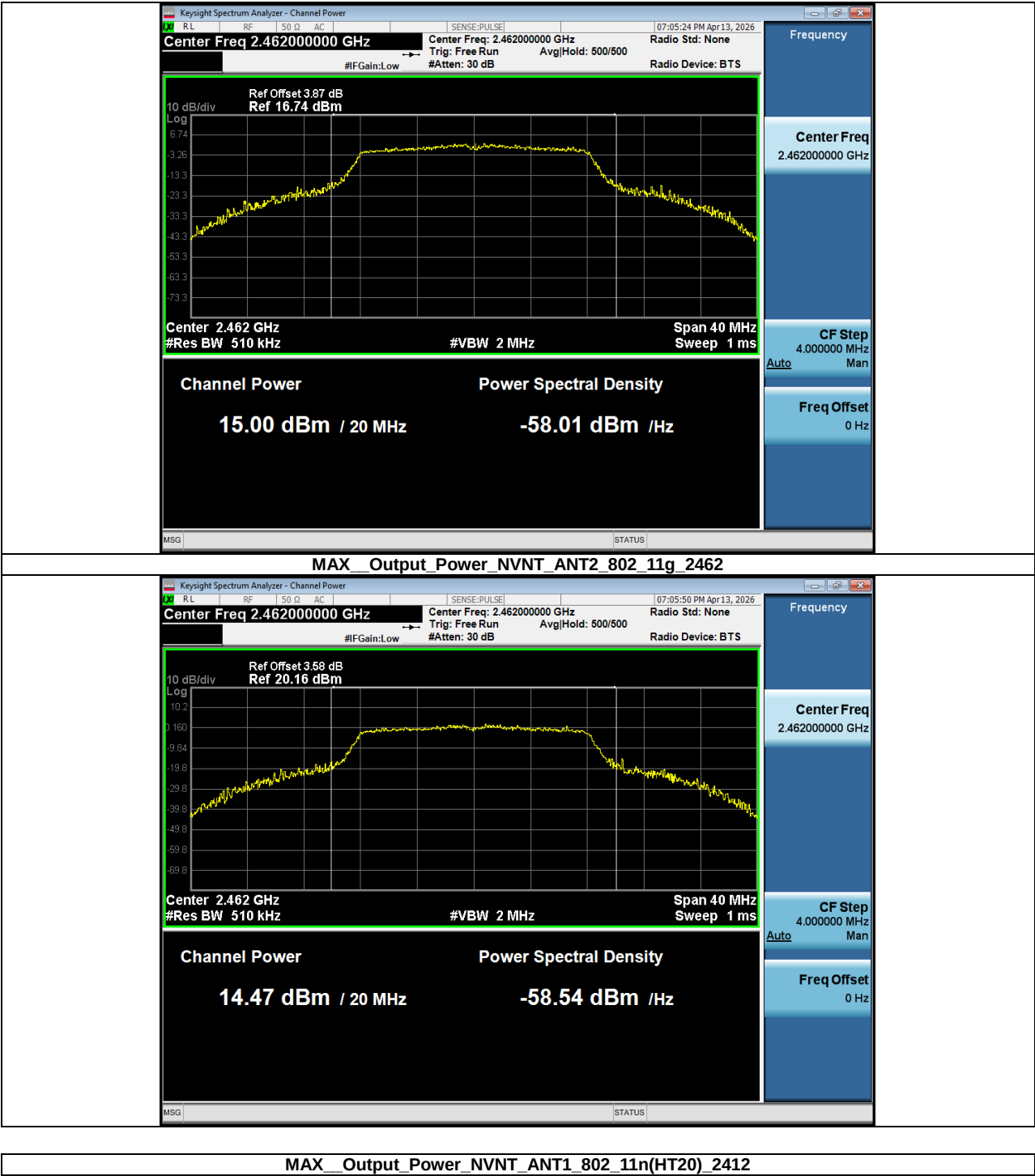


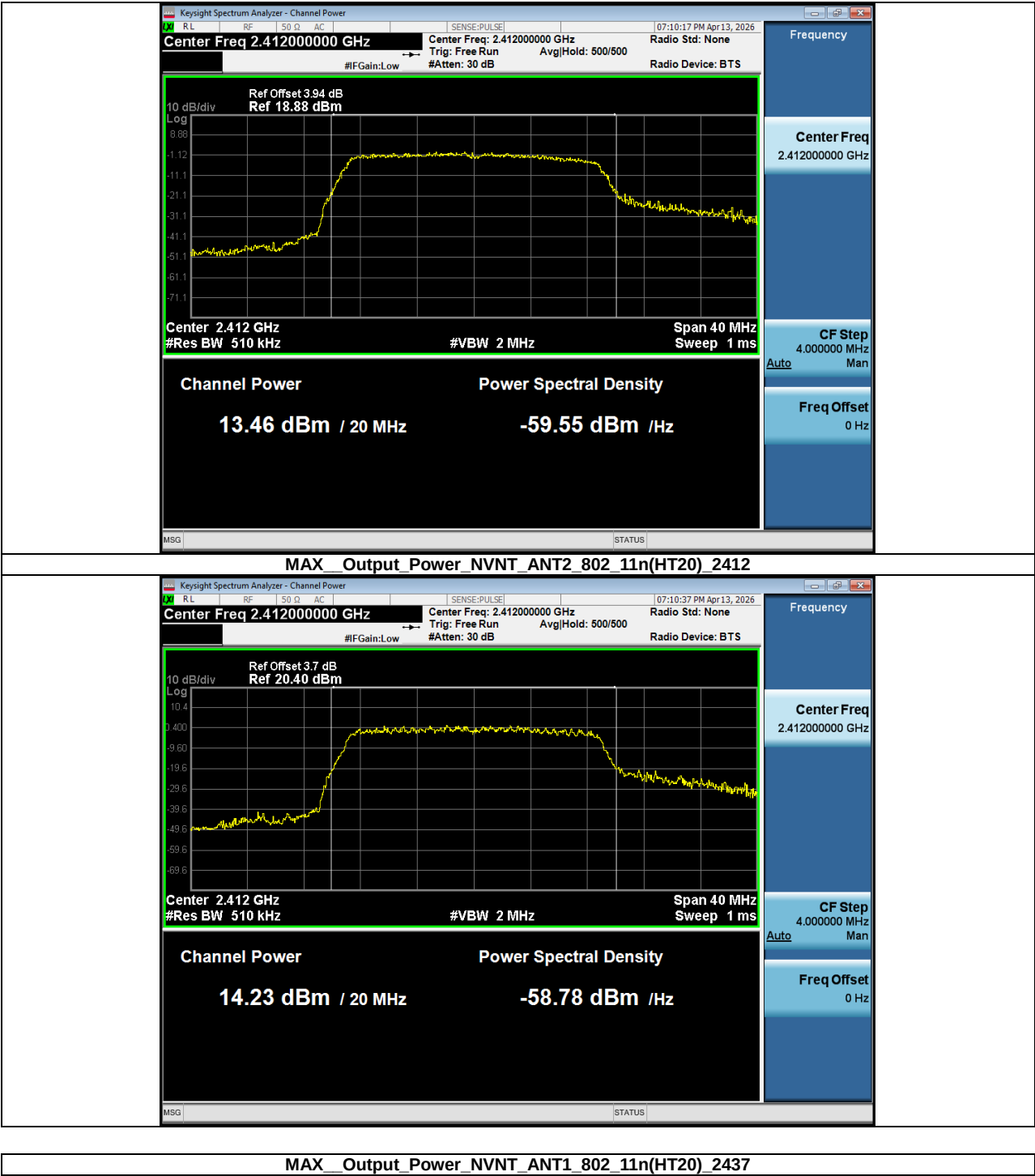




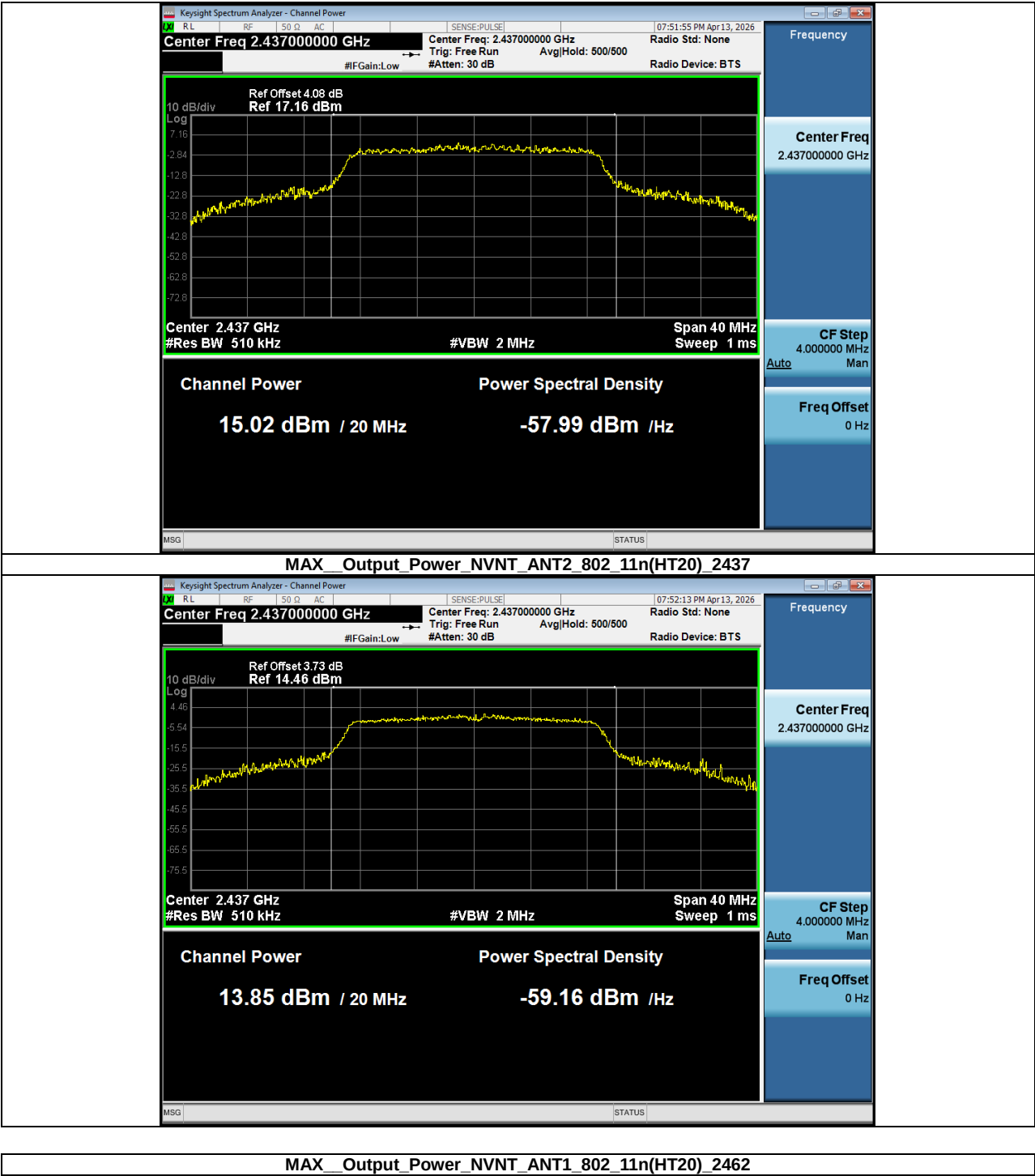


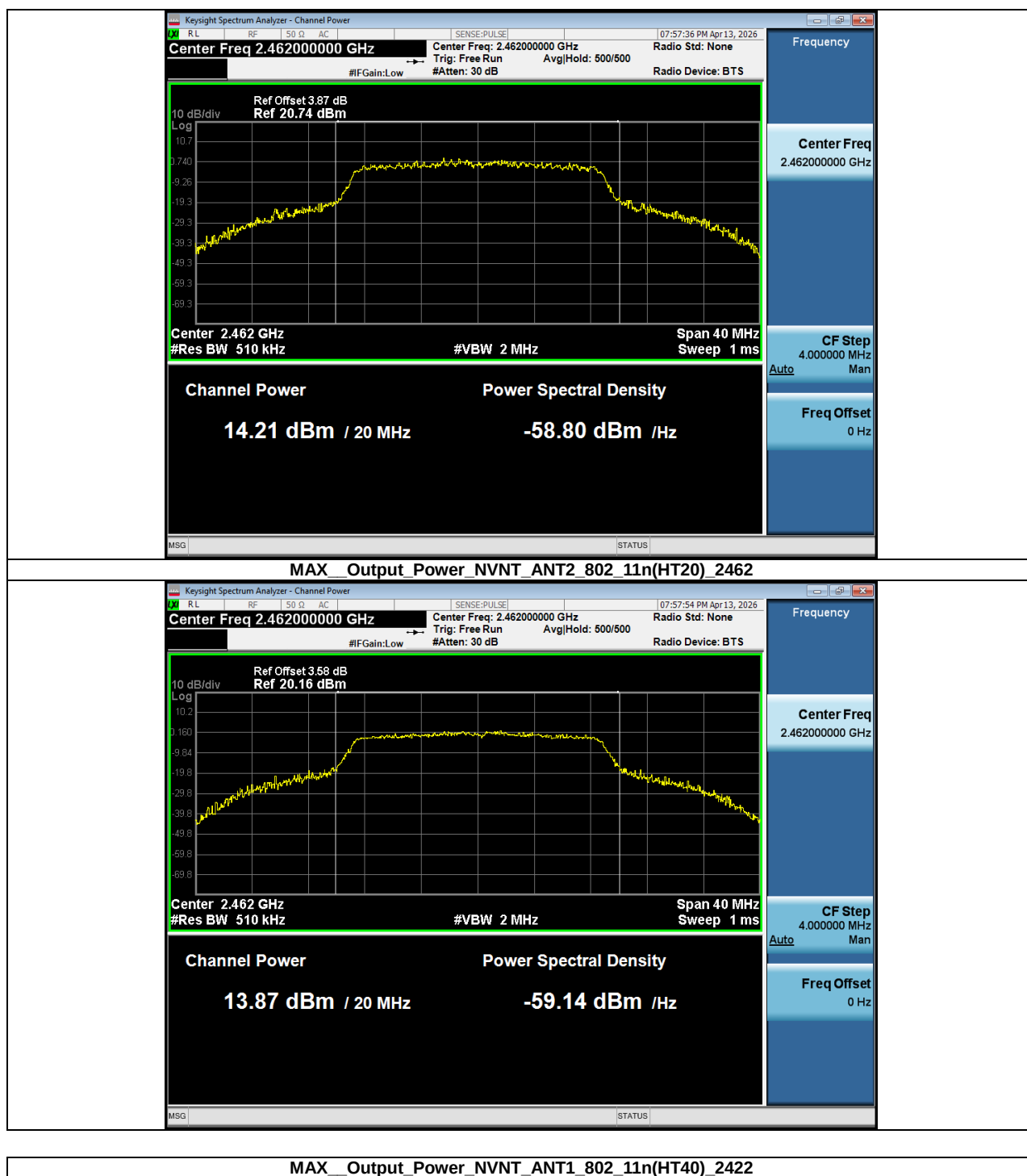
MAX Output Power_NVNT_ANT1_802_11g_2462

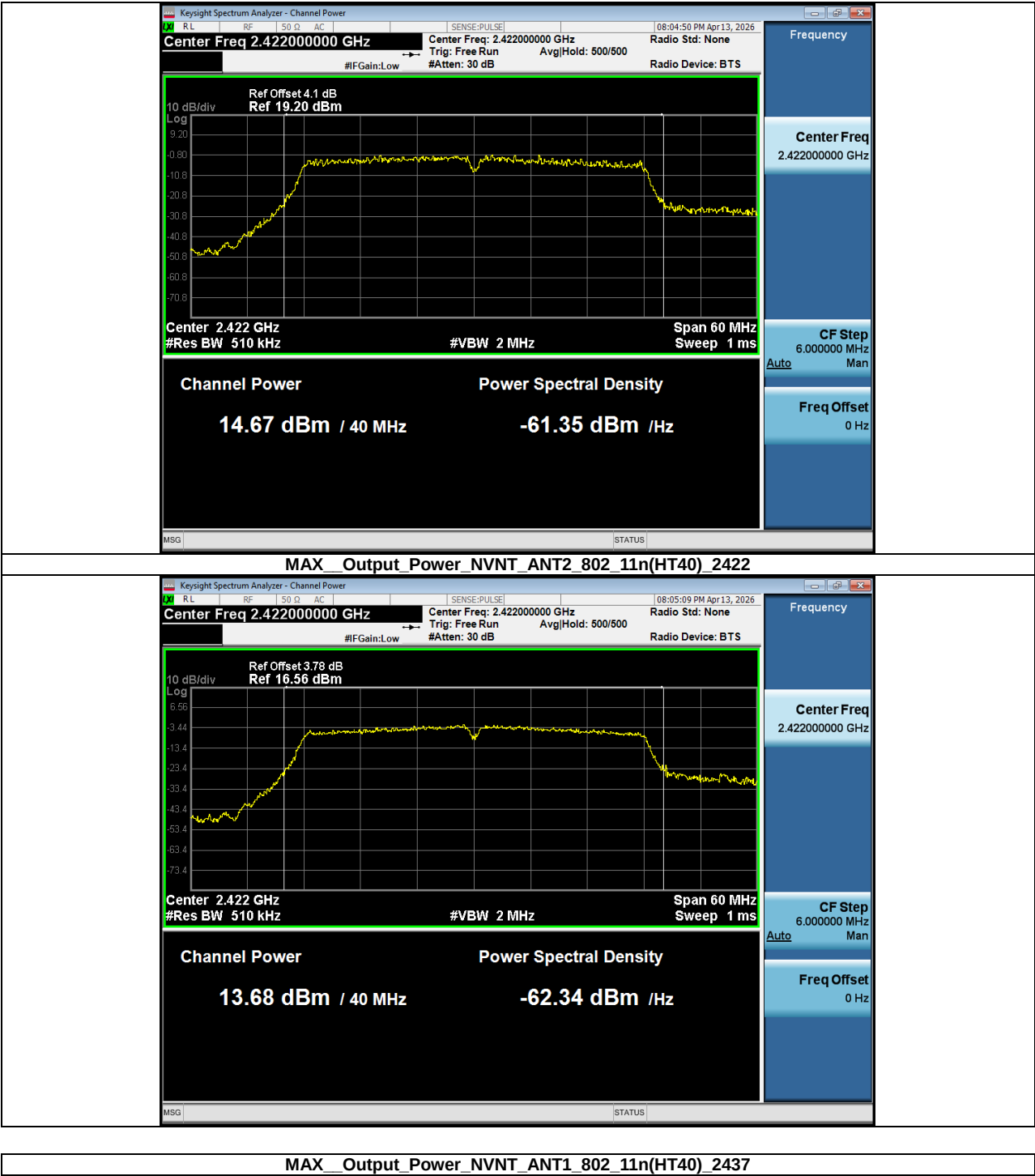




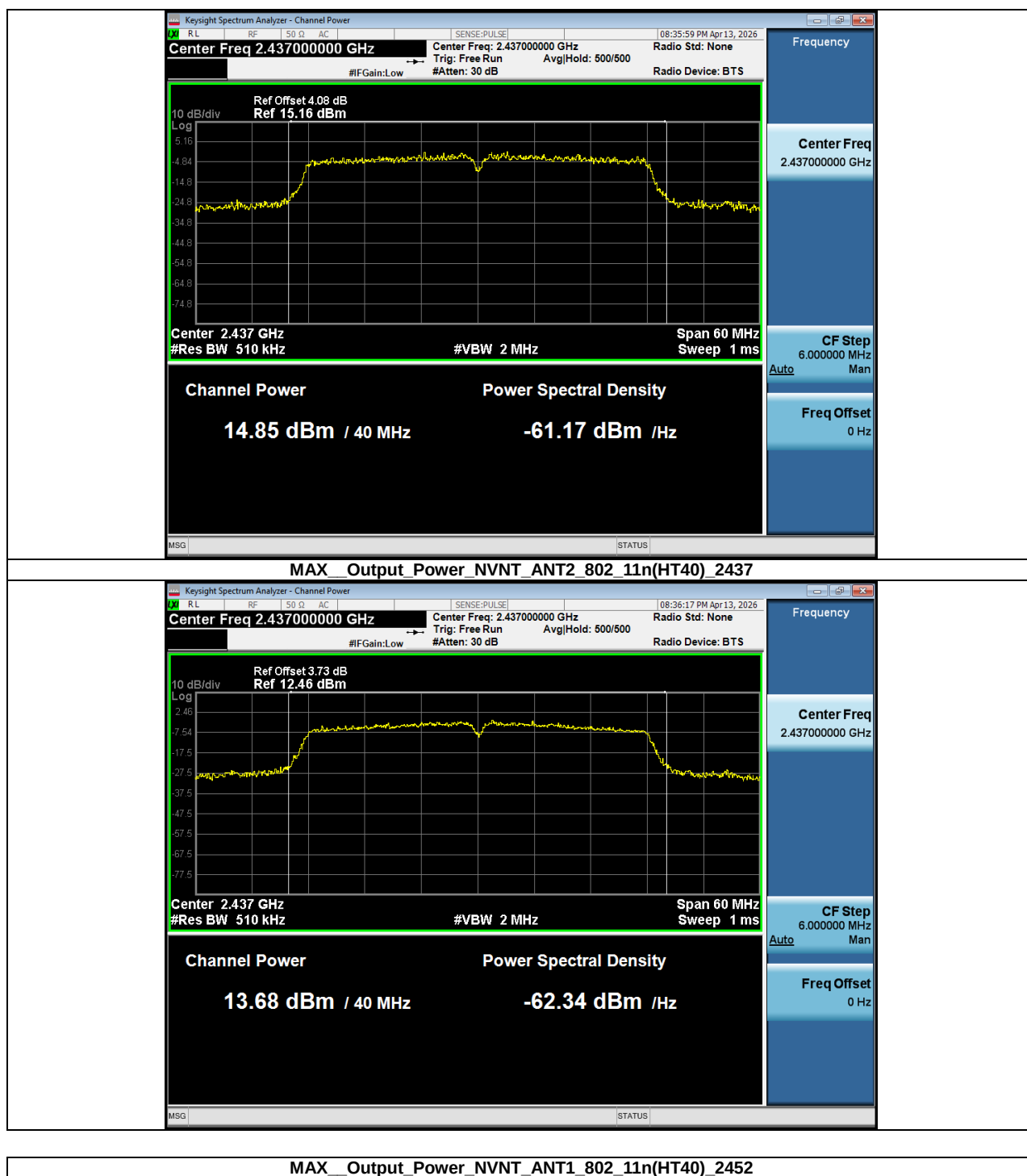
MAX Output Power_NVNT_ANT1_802_11n(HT20)_2437

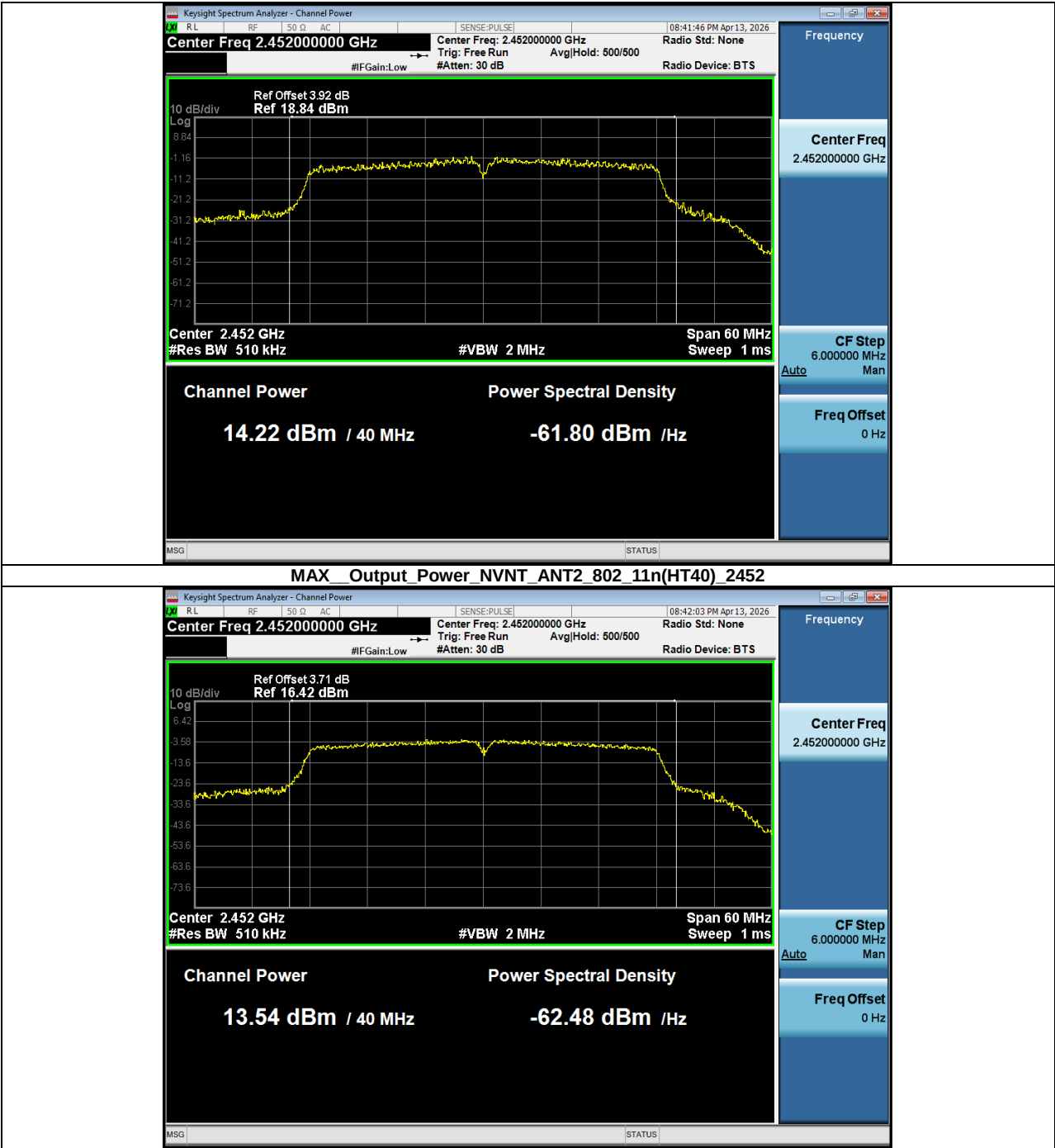






MAX Output Power_NVNT_ANT1_802_11n(HT40)_2437





Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted_Power(dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	16.87	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	17.49	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	17.05	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	17.21	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	17.32	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	16.91	30	Pass

Note: 1. The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.

(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+....)

Duty cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT2	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.76	0.00
NVNT	ANT2	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT2	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	97.26	0.12
NVNT	ANT2	802.11g	2412.00	97.26	0.12
NVNT	ANT1	802.11g	2437.00	97.26	0.12
NVNT	ANT2	802.11g	2437.00	97.26	0.12
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	ANT2	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	94.59	0.24
NVNT	ANT2	802.11n(HT20)	2412.00	94.59	0.24
NVNT	ANT1	802.11n(HT20)	2437.00	94.59	0.24
NVNT	ANT2	802.11n(HT20)	2437.00	94.59	0.24
NVNT	ANT1	802.11n(HT20)	2462.00	94.44	0.25
NVNT	ANT2	802.11n(HT20)	2462.00	94.59	0.24
NVNT	ANT1	802.11n(HT40)	2422.00	90.48	0.43
NVNT	ANT2	802.11n(HT40)	2422.00	90.00	0.46
NVNT	ANT1	802.11n(HT40)	2437.00	90.00	0.46
NVNT	ANT2	802.11n(HT40)	2437.00	90.00	0.46
NVNT	ANT1	802.11n(HT40)	2452.00	90.00	0.46
NVNT	ANT2	802.11n(HT40)	2452.00	95.00	0.22

7. Peak Power Spectral Density

7.1. Test limits

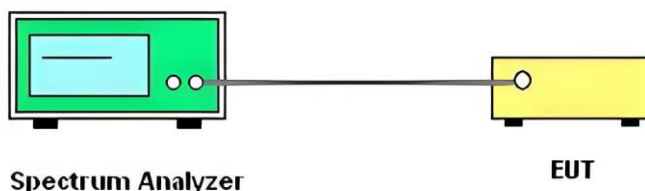
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of 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

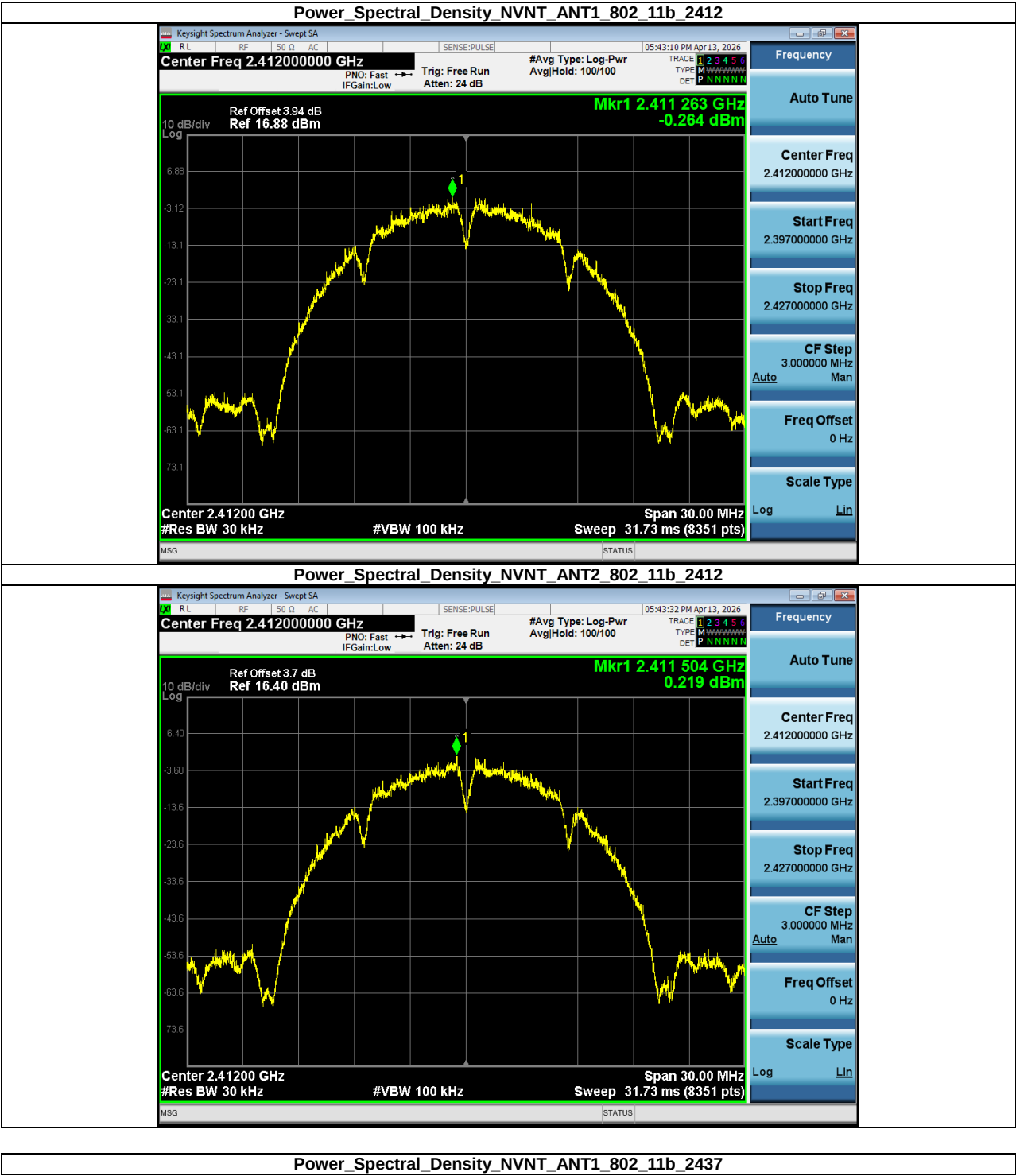
1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as $RBW = 30\text{kHz}$ (Set the RBW to: $3\text{ kHz} \leq RBW \leq 100\text{ kHz}$), $VBW = 300\text{kHz}$ (Set the $VBW \geq 3 \times RBW$), $\text{span} \geq 1.5 \times \text{DTS bandwidth}$., detail see the test plot.
4. Record the max reading.
5. Repeat the above procedure until the measurements for all frequencies are completed.

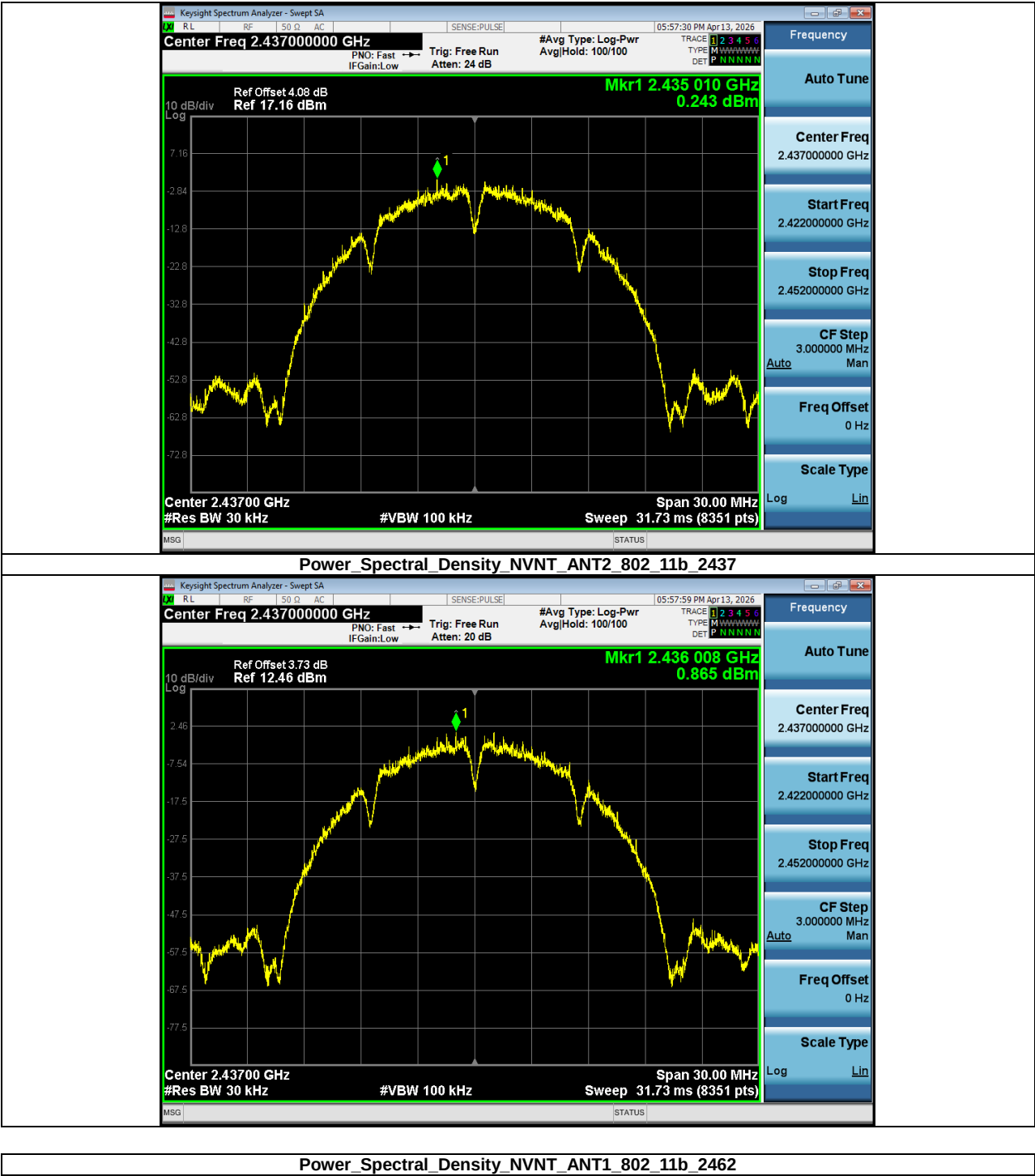
7.3. Test Setup

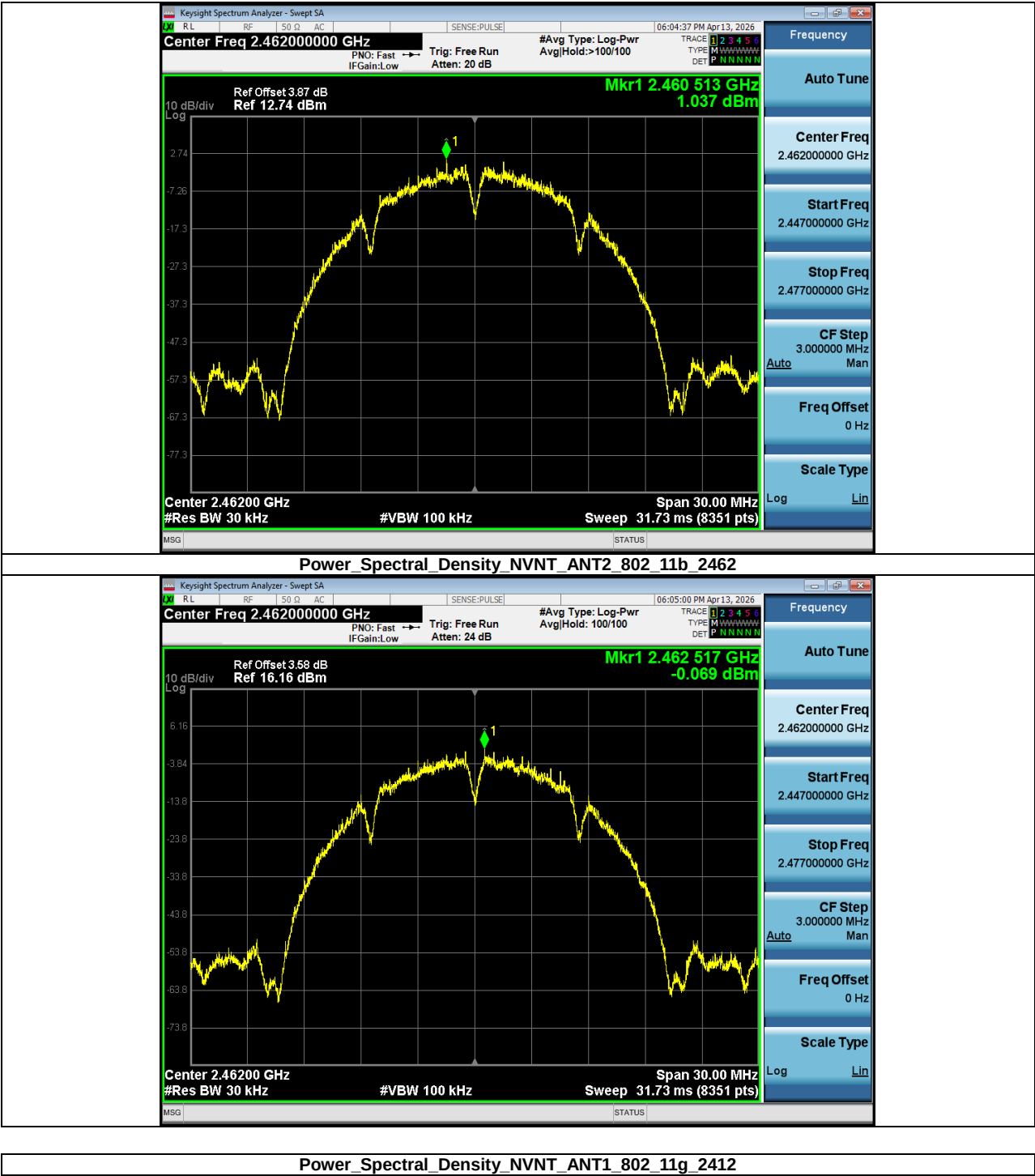


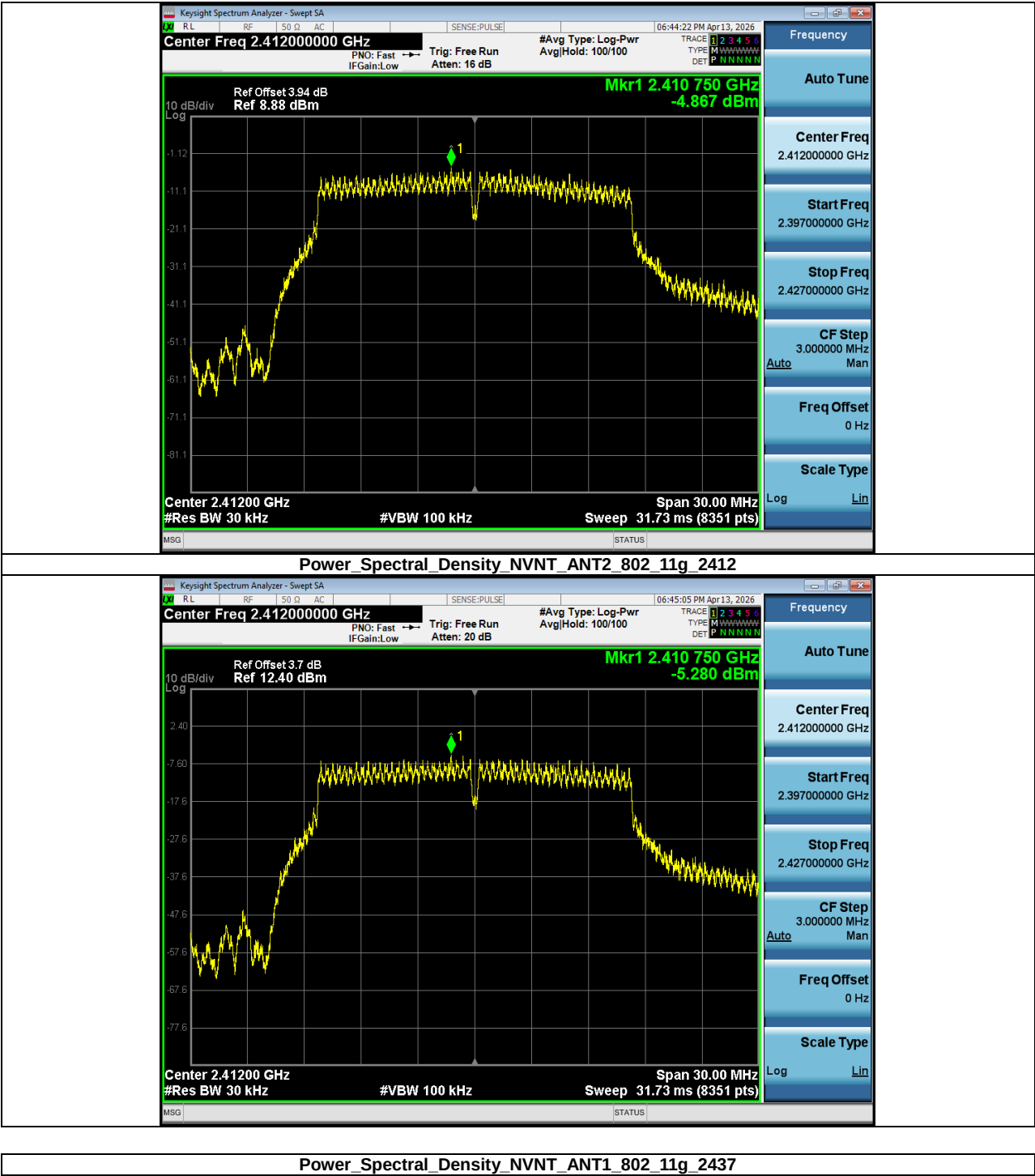
7.4. Test Results

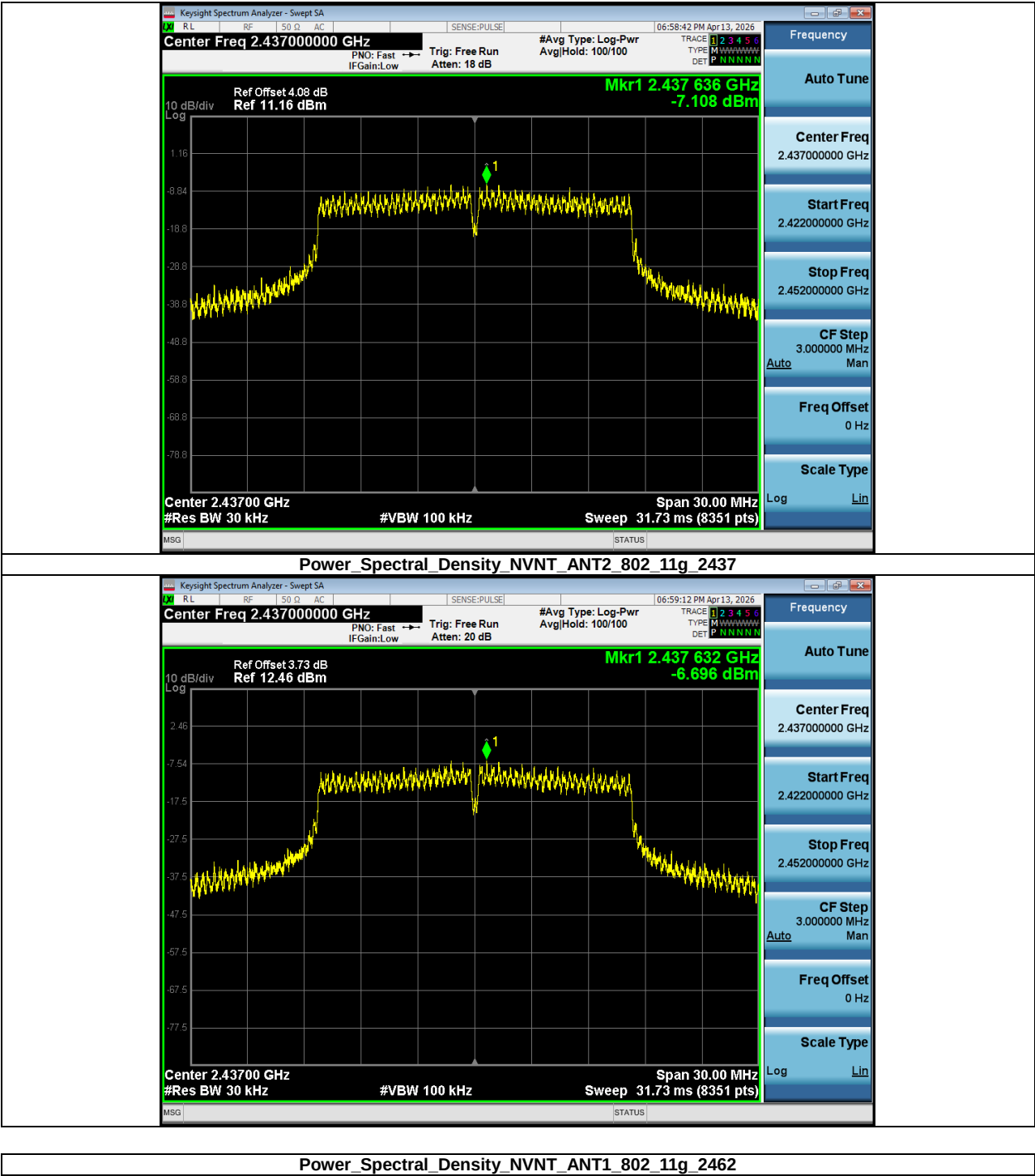
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-0.26	-10.00	-10.26	8	Pass
NVNT	ANT2	802.11b	2412.00	0.22	-10.00	-9.78	8	Pass
NVNT	ANT1	802.11b	2437.00	0.24	-10.00	-9.76	8	Pass
NVNT	ANT2	802.11b	2437.00	0.86	-10.00	-9.13	8	Pass
NVNT	ANT1	802.11b	2462.00	1.04	-10.00	-8.96	8	Pass
NVNT	ANT2	802.11b	2462.00	-0.07	-10.00	-10.07	8	Pass
NVNT	ANT1	802.11g	2412.00	-4.87	-10.00	-14.87	8	Pass
NVNT	ANT2	802.11g	2412.00	-5.28	-10.00	-15.28	8	Pass
NVNT	ANT1	802.11g	2437.00	-7.11	-10.00	-17.11	8	Pass
NVNT	ANT2	802.11g	2437.00	-6.70	-10.00	-16.70	8	Pass
NVNT	ANT1	802.11g	2462.00	-6.89	-10.00	-16.89	8	Pass
NVNT	ANT2	802.11g	2462.00	-7.17	-10.00	-17.17	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-8.66	-10.00	-18.66	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-8.59	-10.00	-18.59	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-7.69	-10.00	-17.69	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-8.67	-10.00	-18.67	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-7.68	-10.00	-17.68	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-8.25	-10.00	-18.25	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-10.70	-10.00	-20.70	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-10.68	-10.00	-20.68	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-10.77	-10.00	-20.77	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-10.66	-10.00	-20.66	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-11.40	-10.00	-21.40	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-10.78	-10.00	-20.78	8	Pass

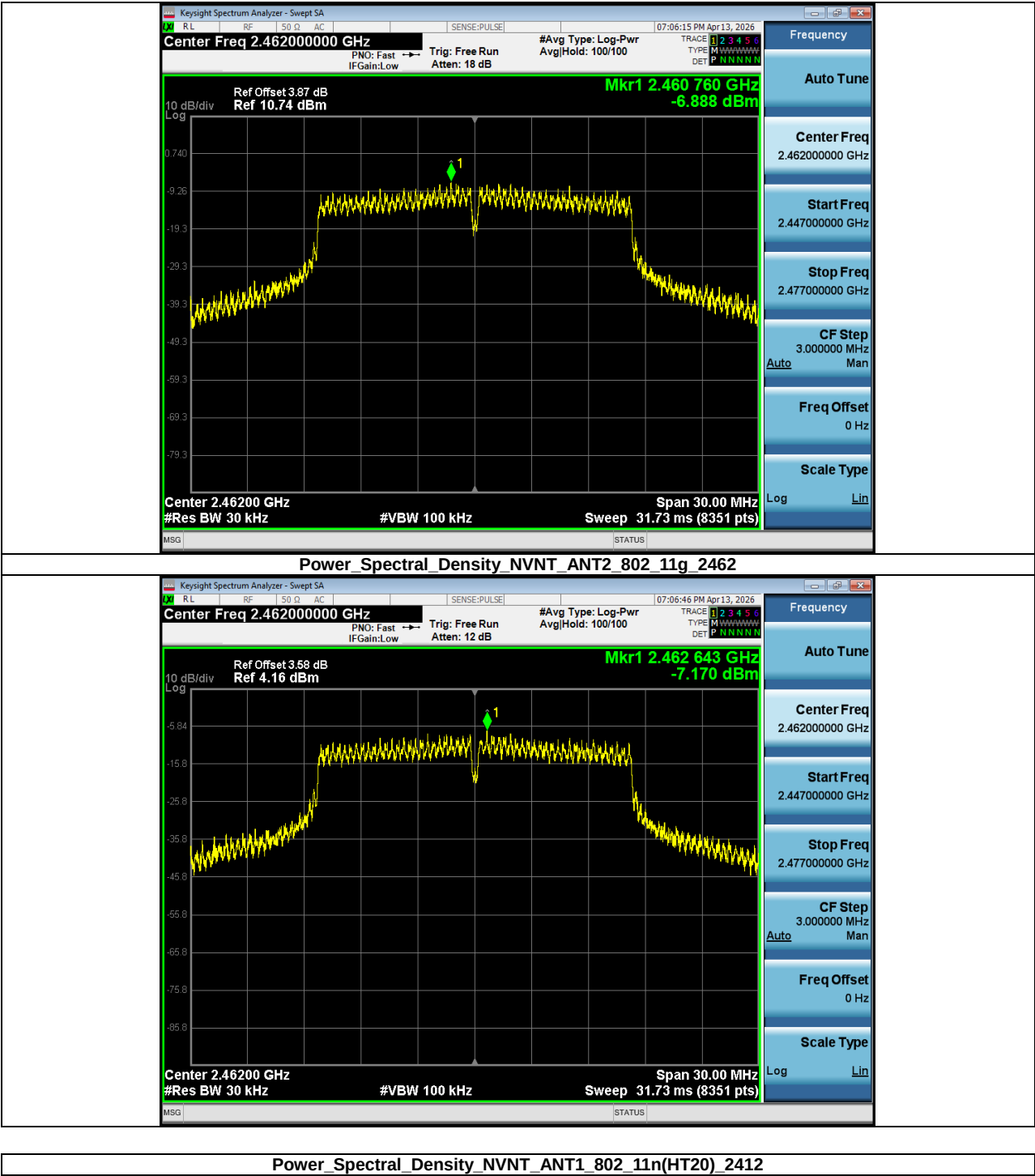


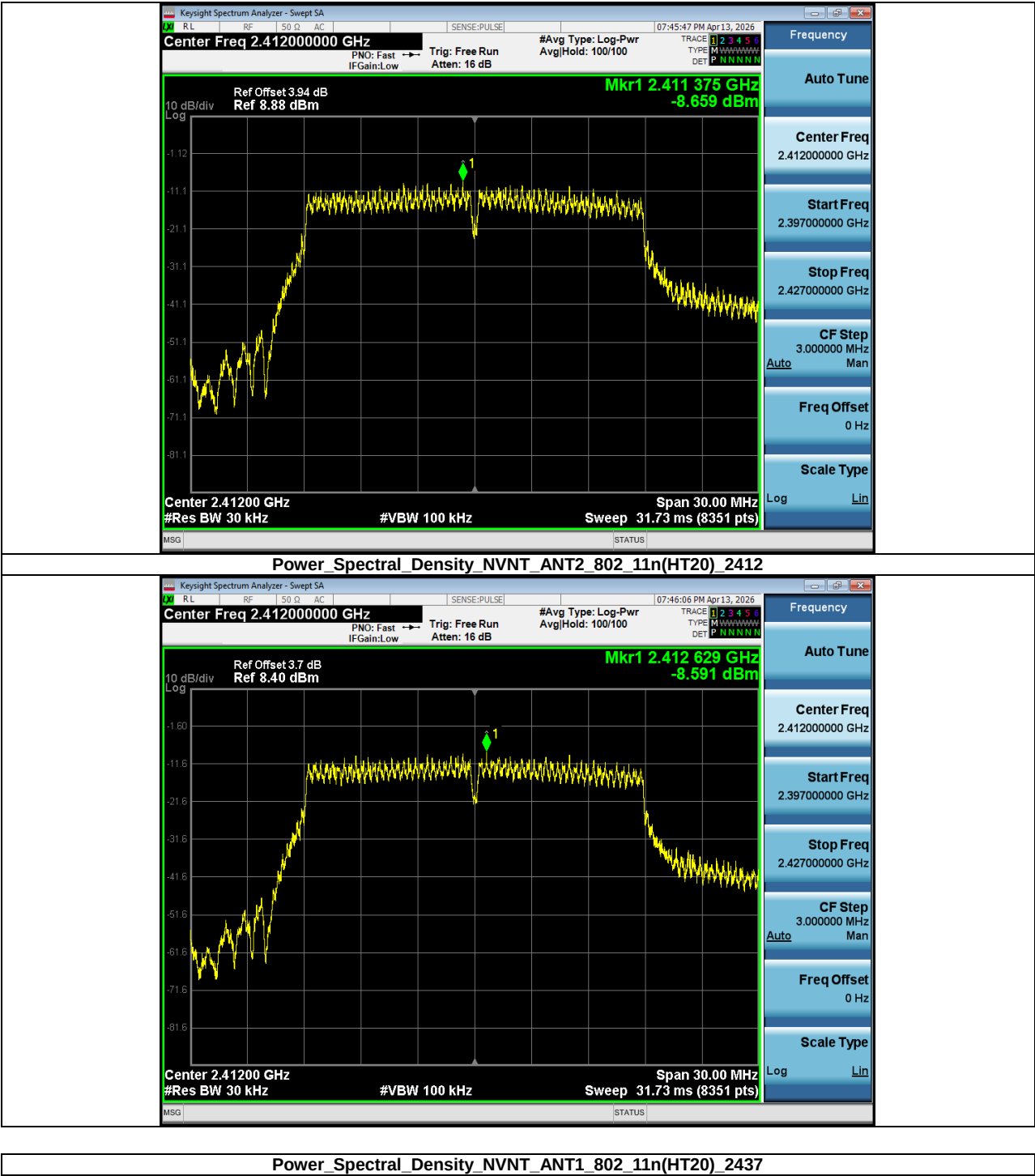


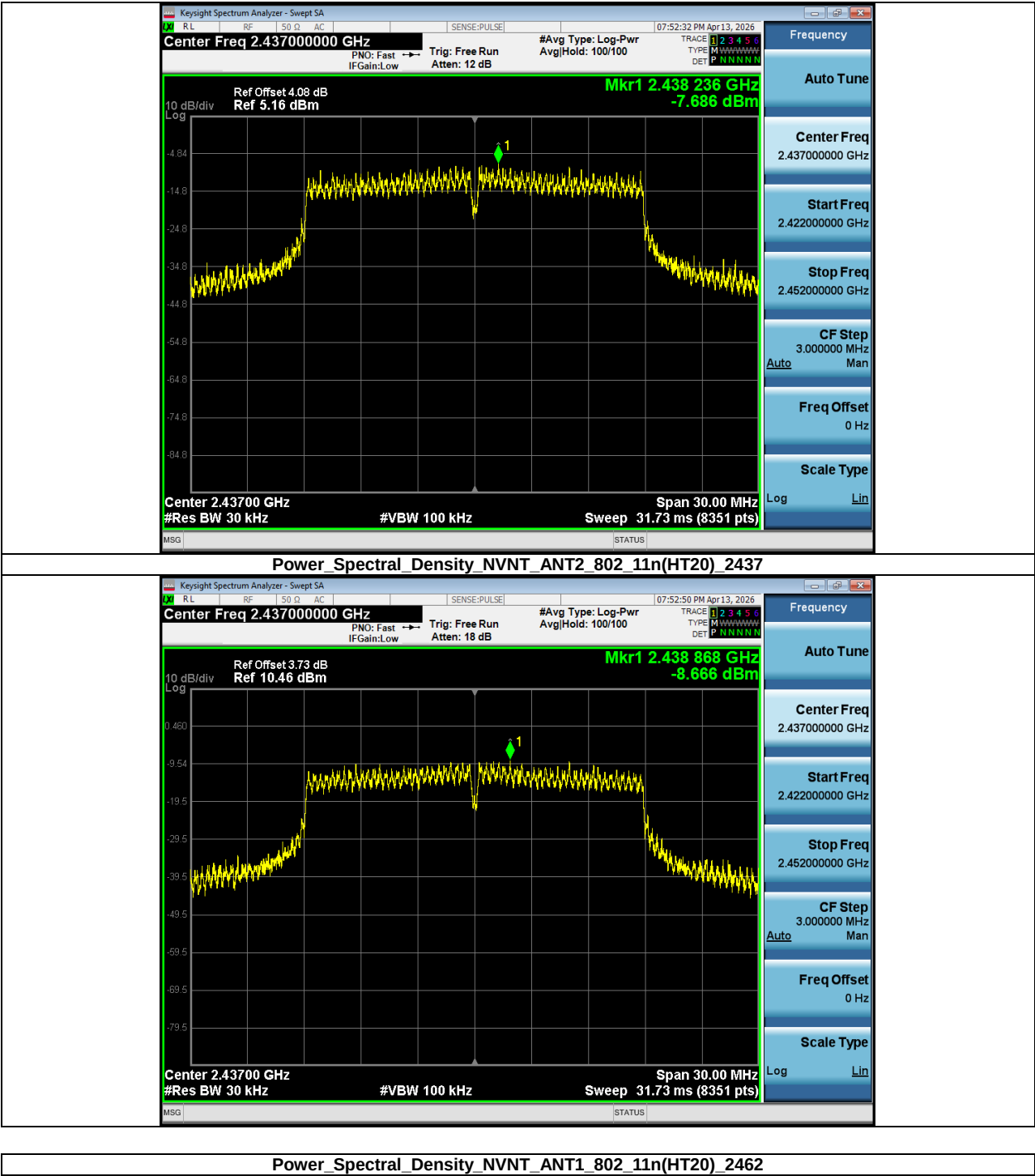


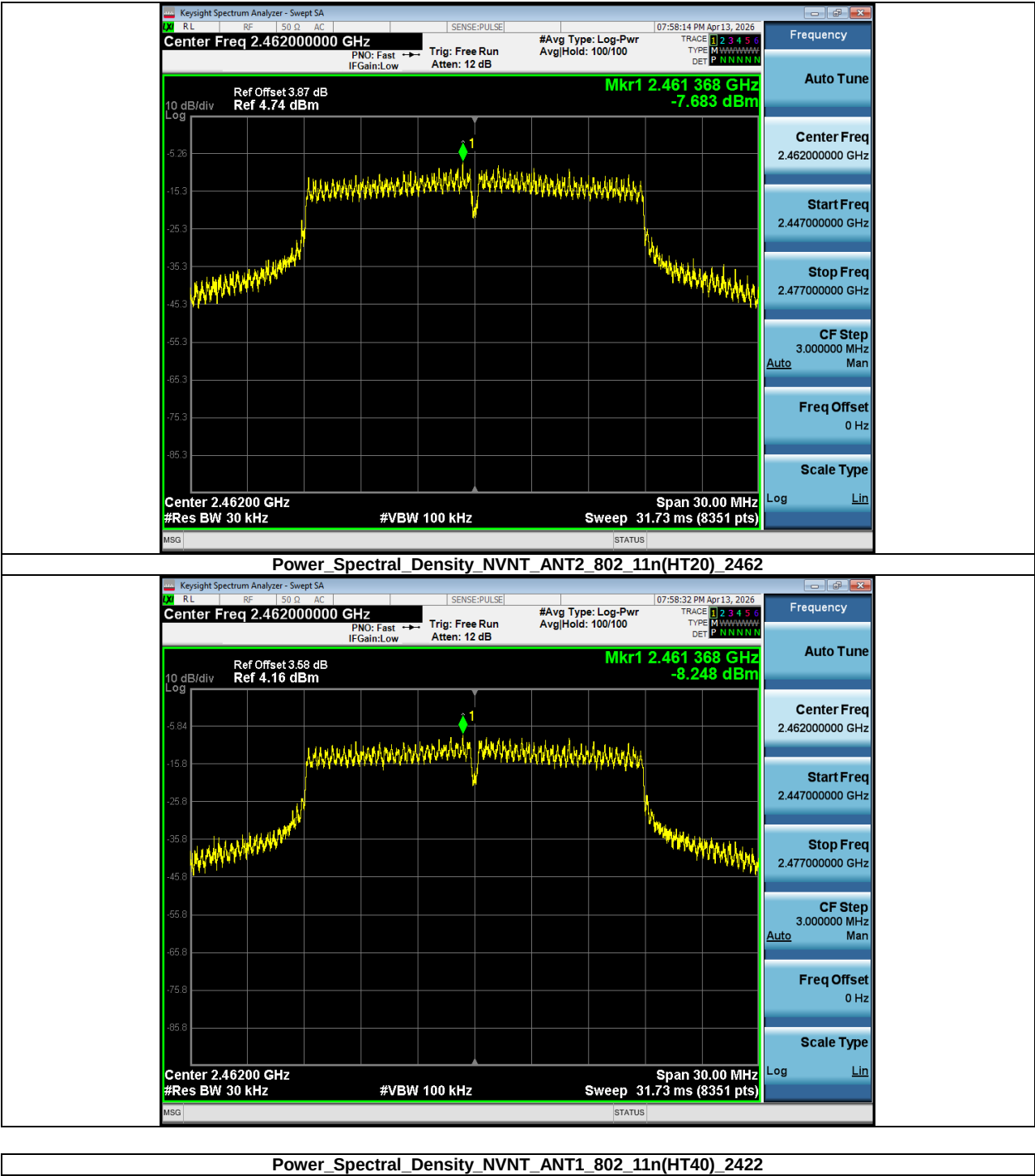


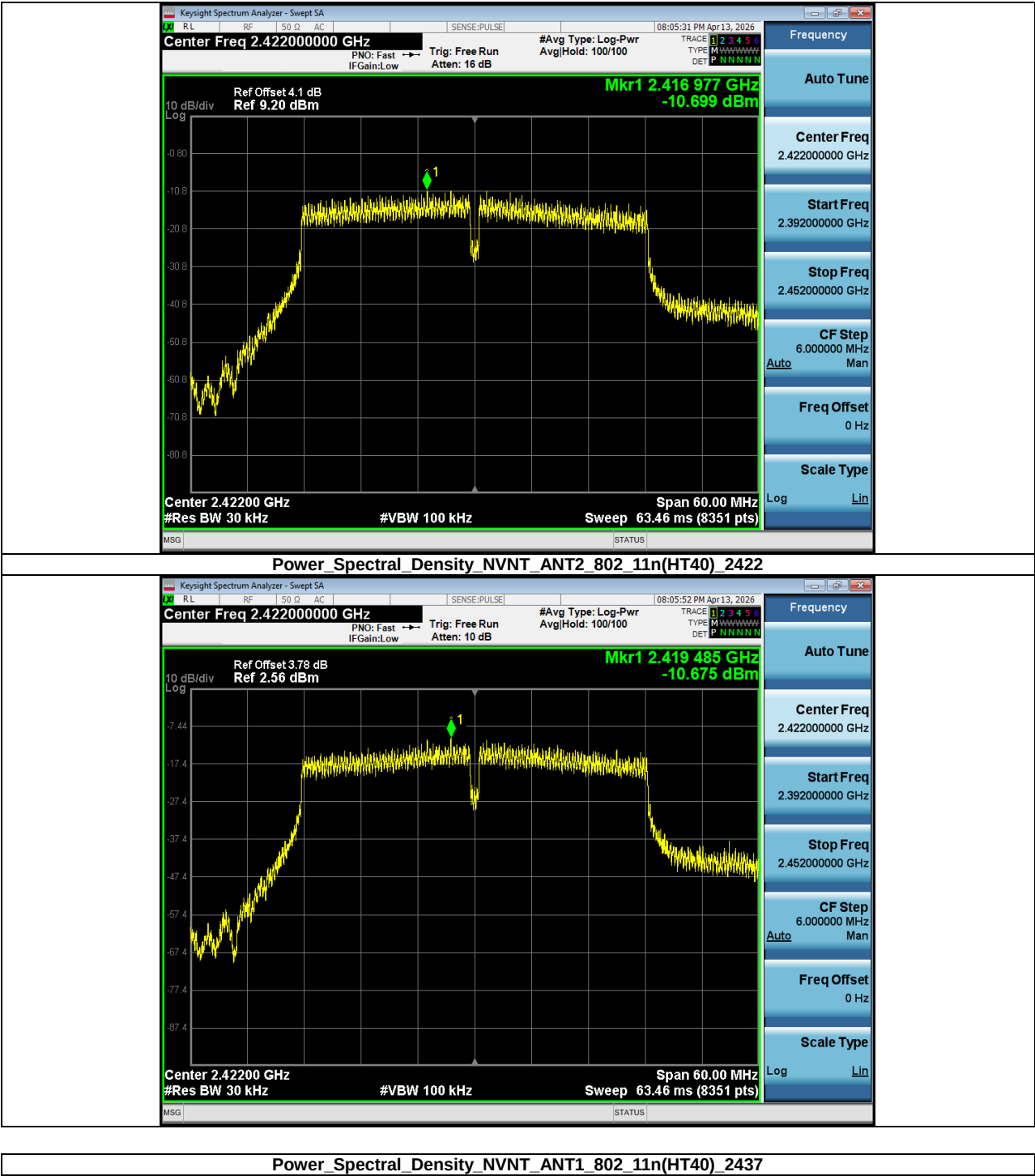


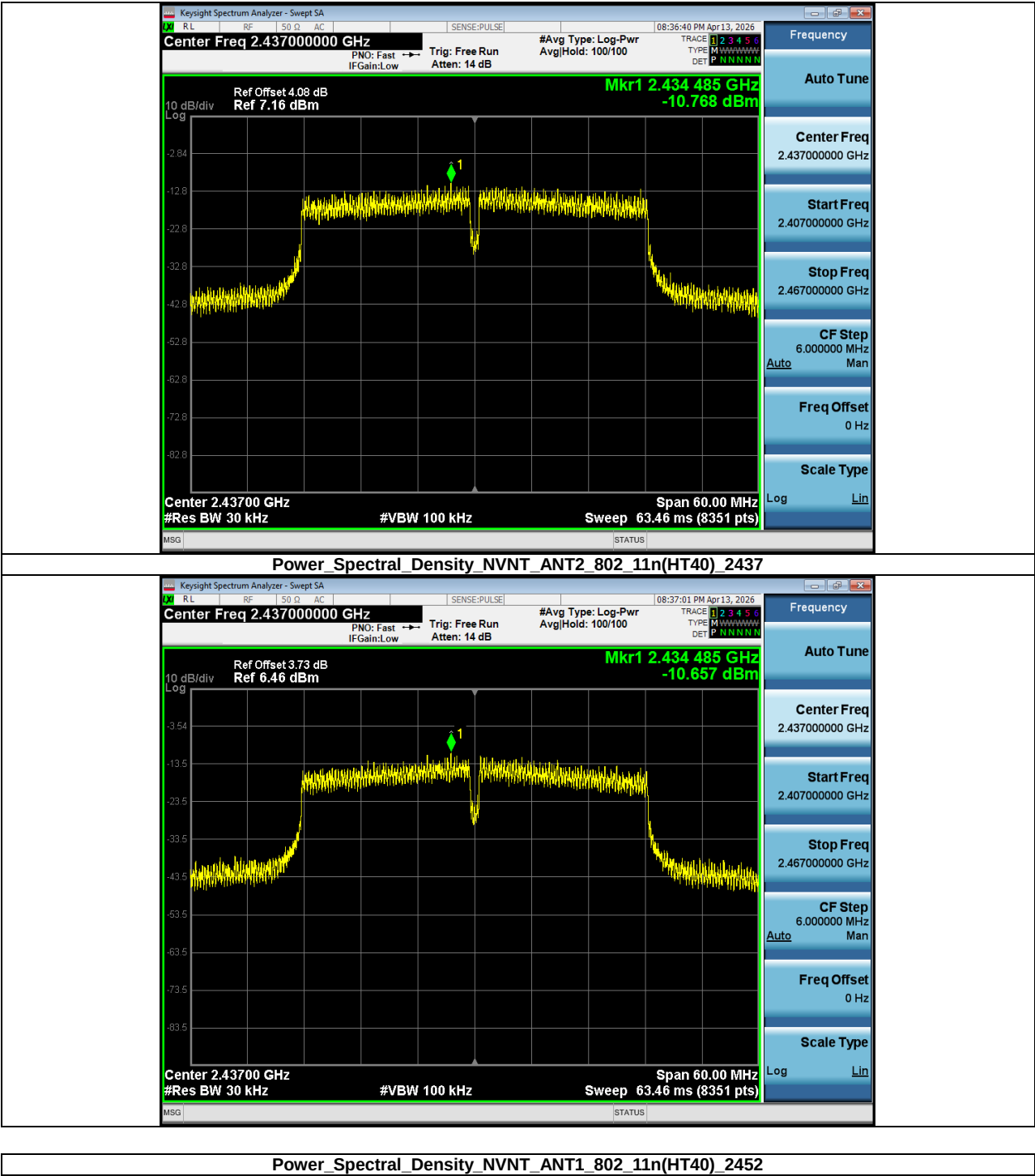


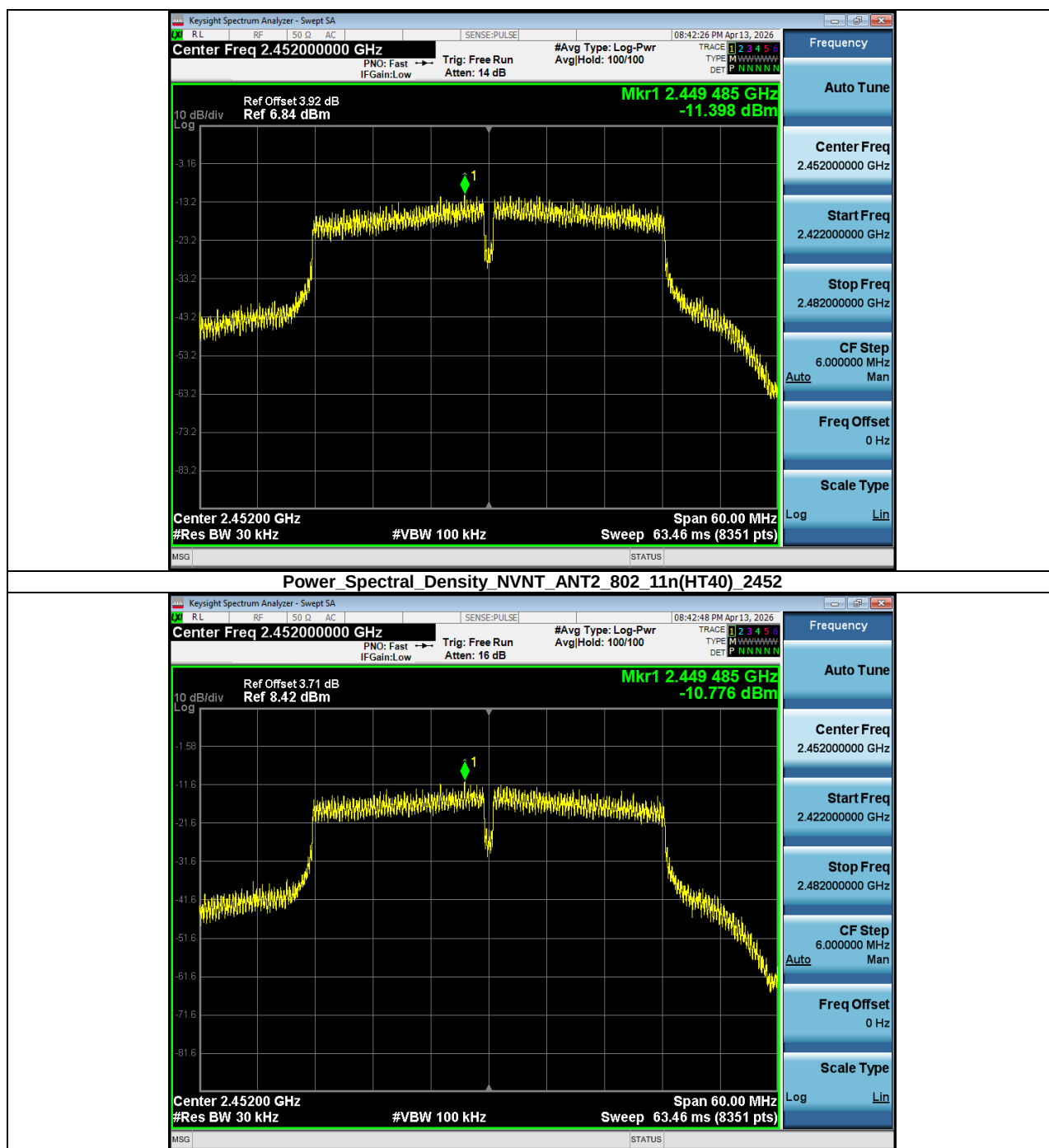




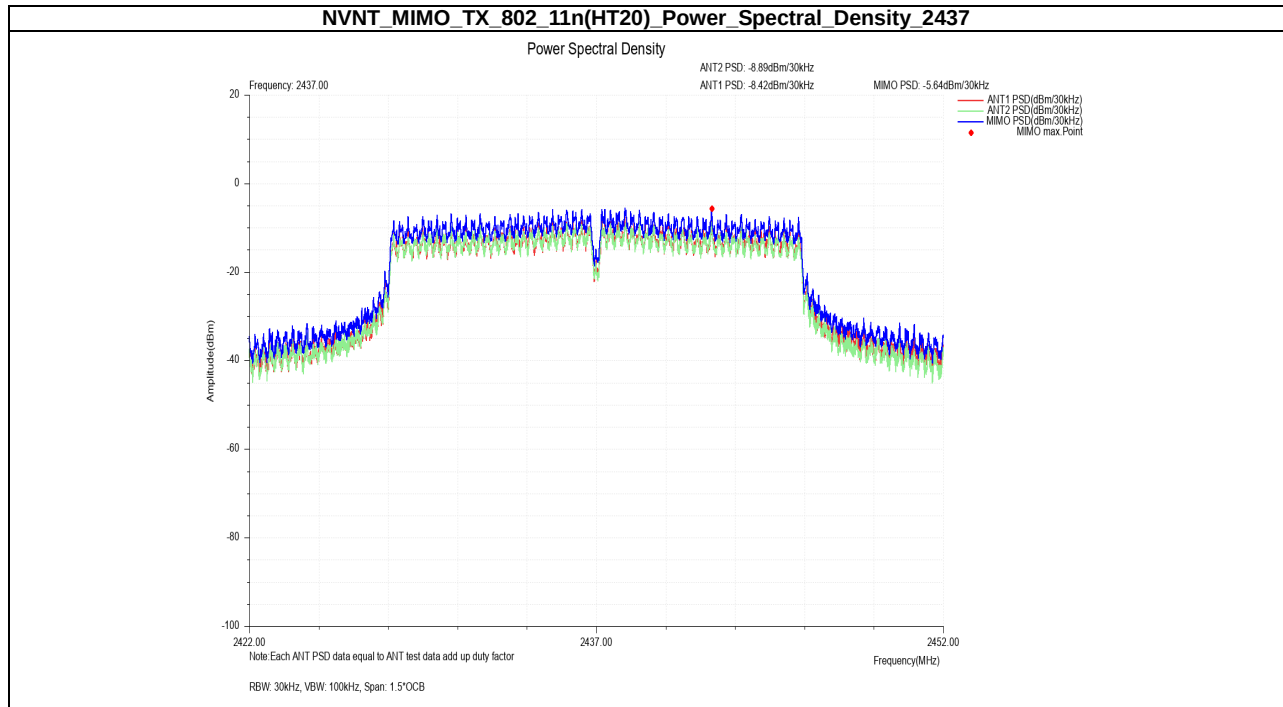
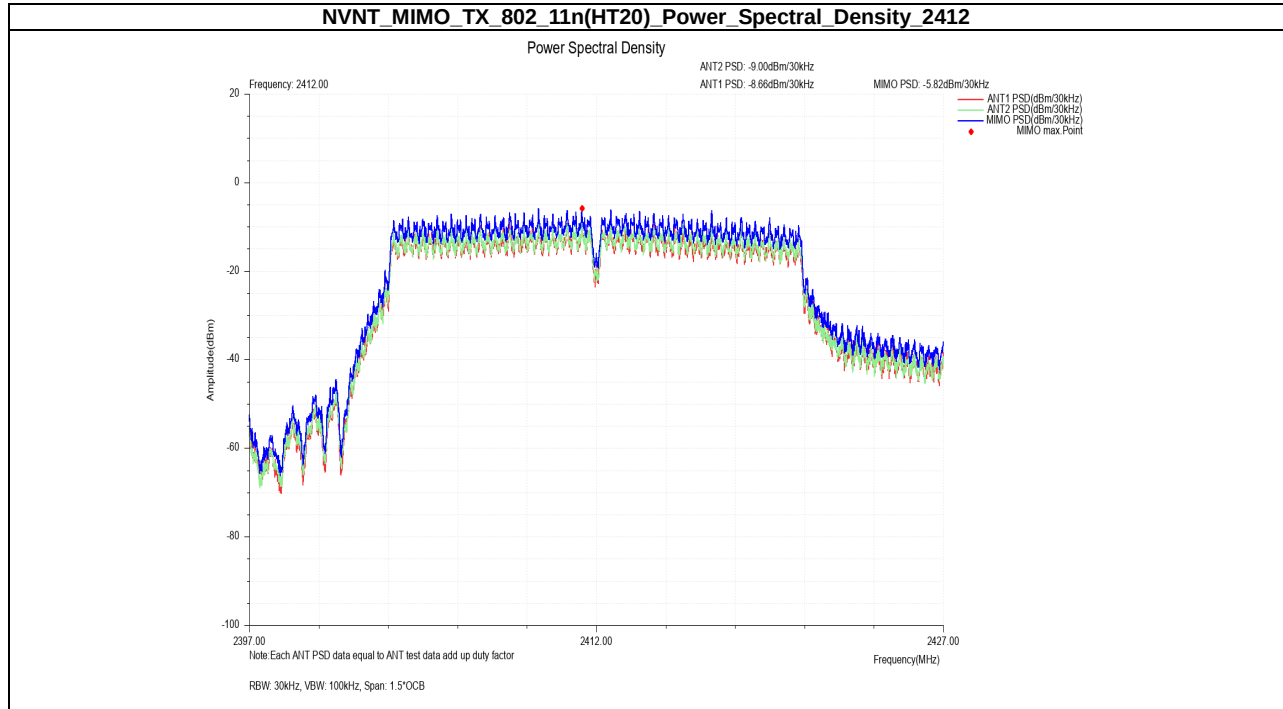


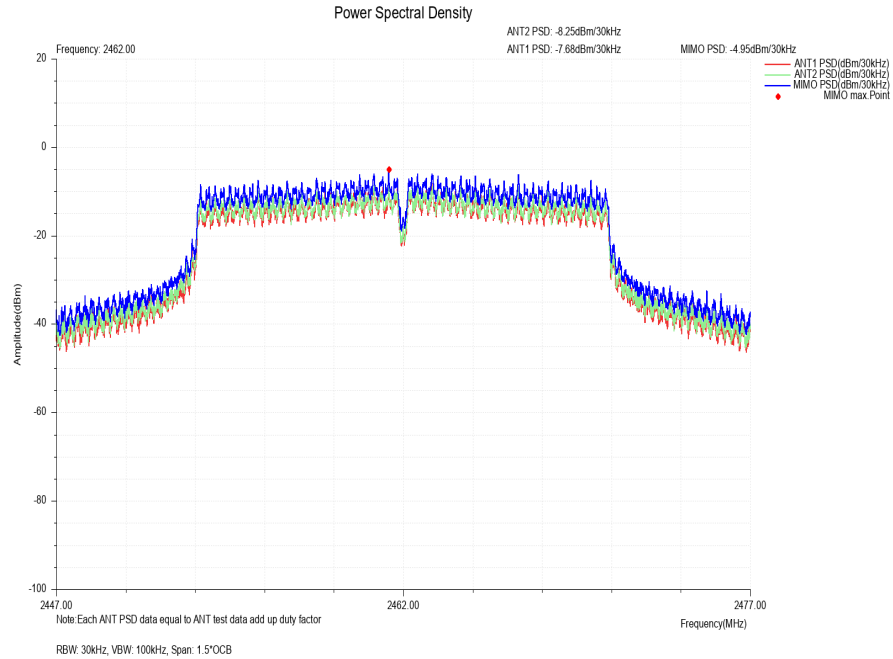
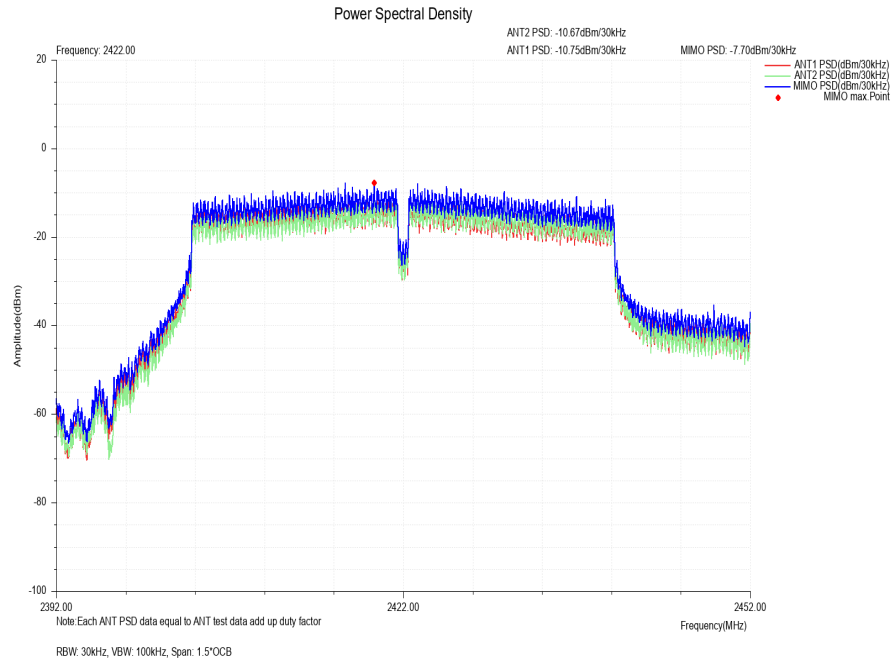


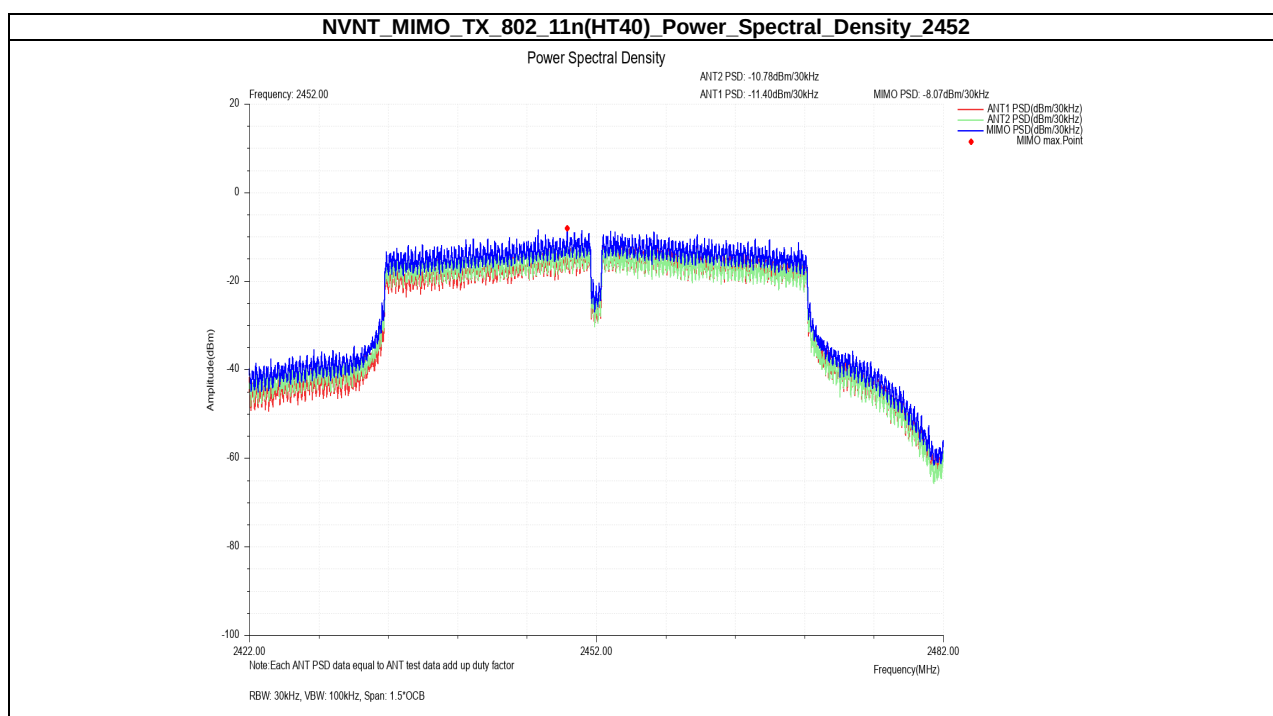
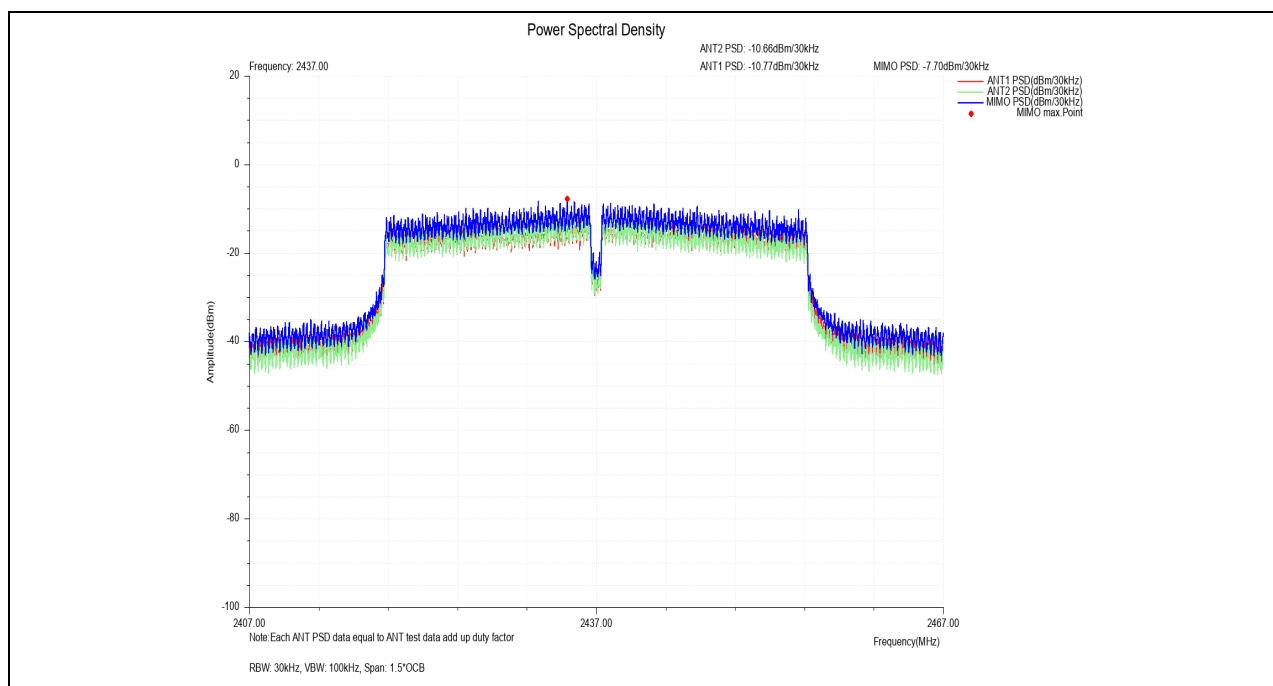




Condition	Antenna	Modulation	Frequency (MHz)	SA_MIMO_PSD (dBm/30kHz)	RB factor(dB)	MIMO_PSD(dBm/3kHz)	limit(dBm /3kHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	-5.82	-10	-15.82	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	-5.64	-10	-15.64	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	-4.95	-10	-14.95	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	-7.70	-10	-17.70	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	-7.70	-10	-17.70	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	-8.07	-10	-18.07	8	Pass



NVNT_MIMO_TX_802_11n(HT20) Power Spectral Density 2462**NVNT_MIMO_TX_802_11n(HT40) Power Spectral Density 2422****NVNT_MIMO_TX_802_11n(HT40) Power Spectral Density 2437**



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+COR.1-2023 section 6.9.3 and section 11.8.1

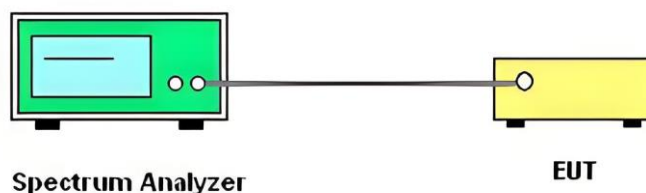
DTS bandwidth

- a) 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.
- b) 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

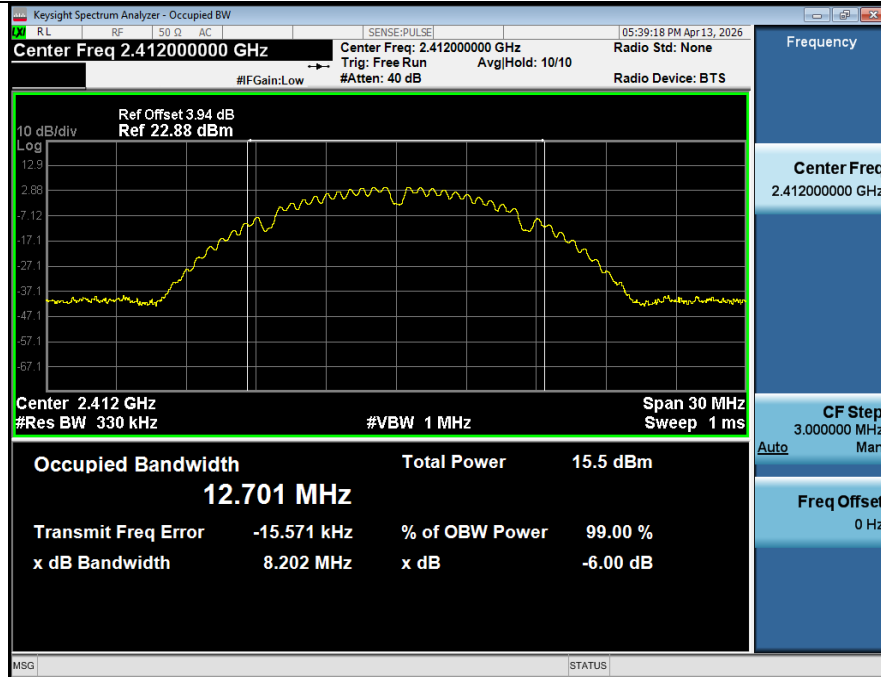
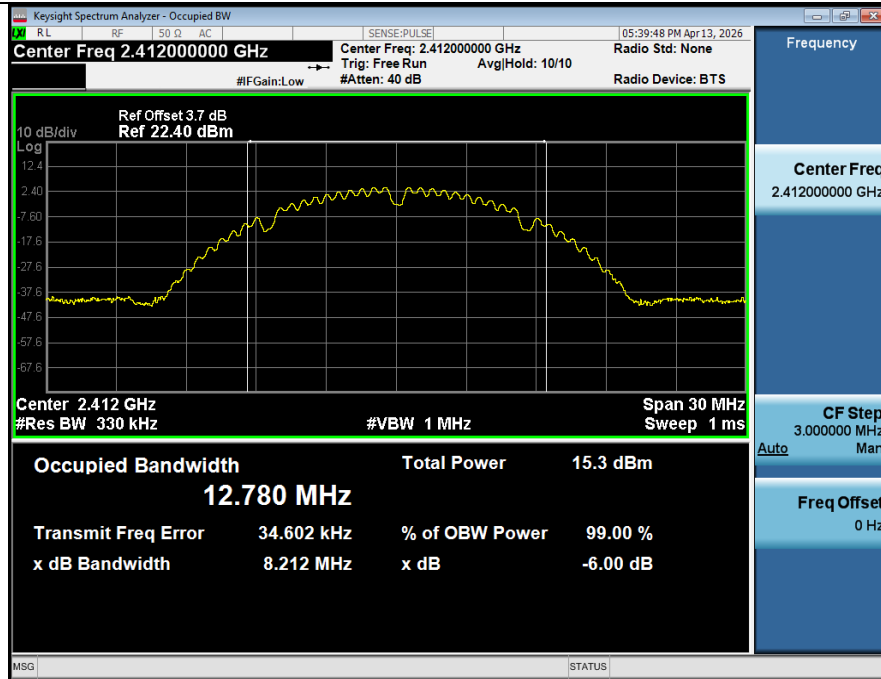
- c) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- d) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- e) 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.

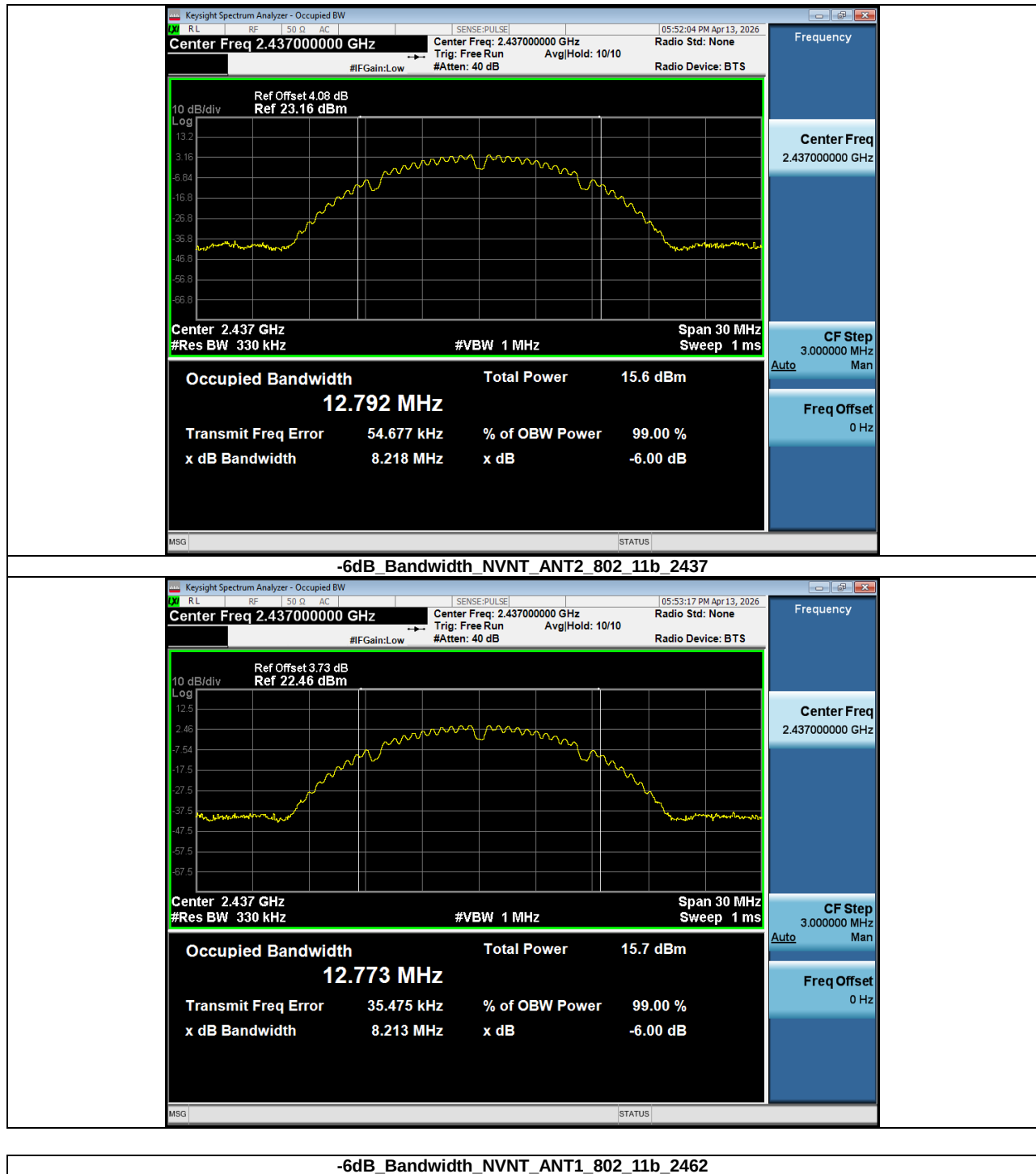
8.3. Test Setup

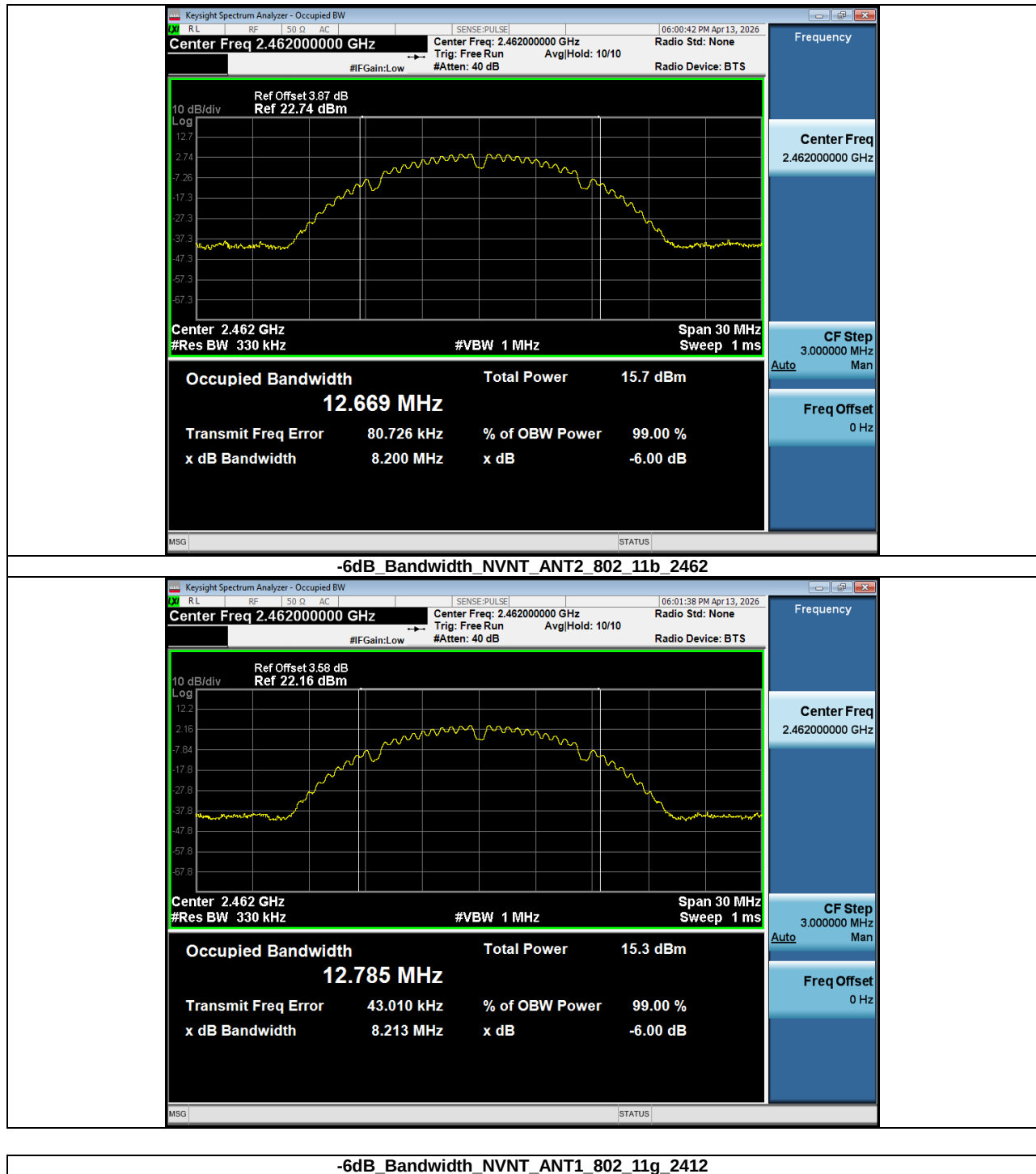


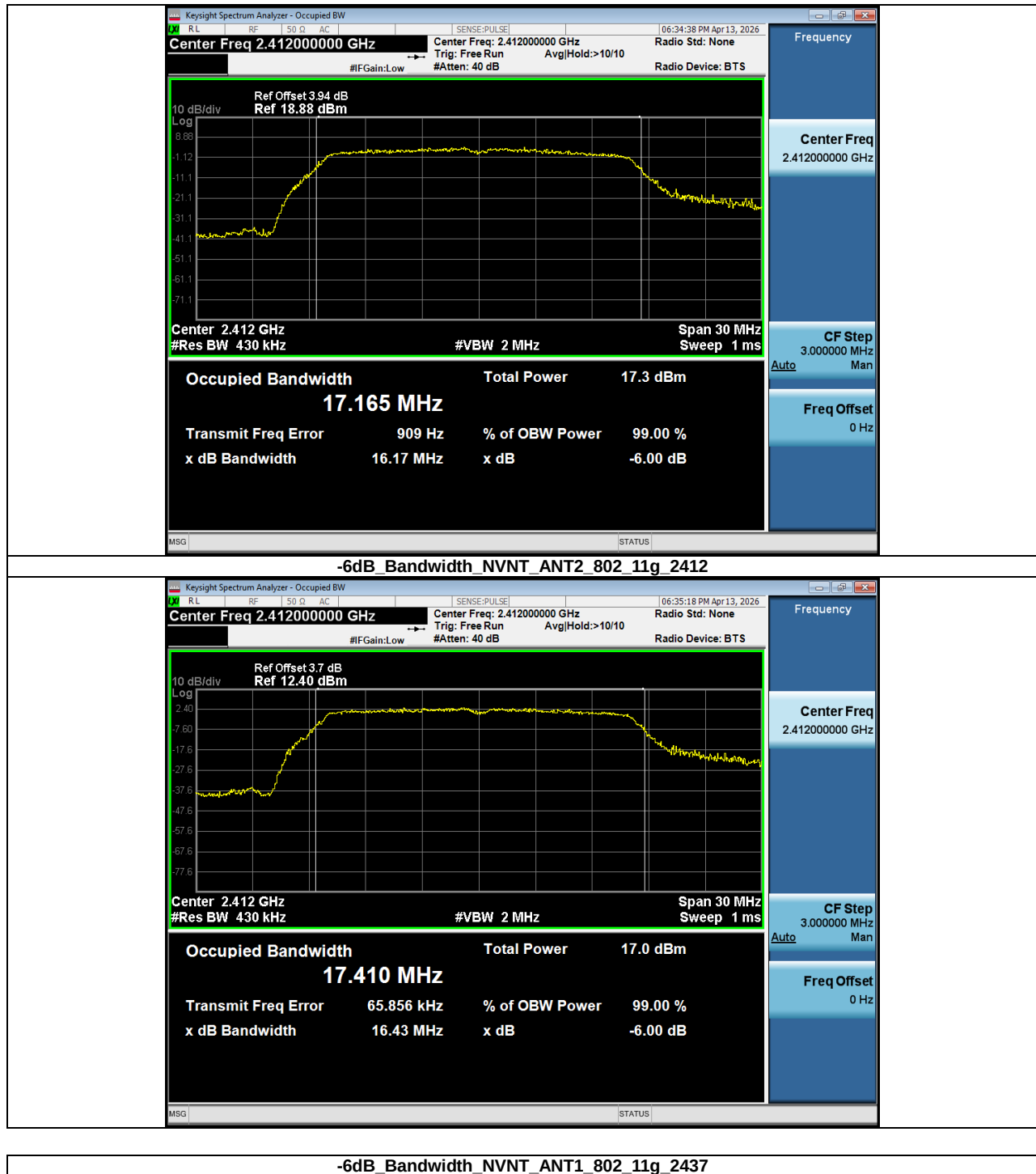
8.4. Test Results

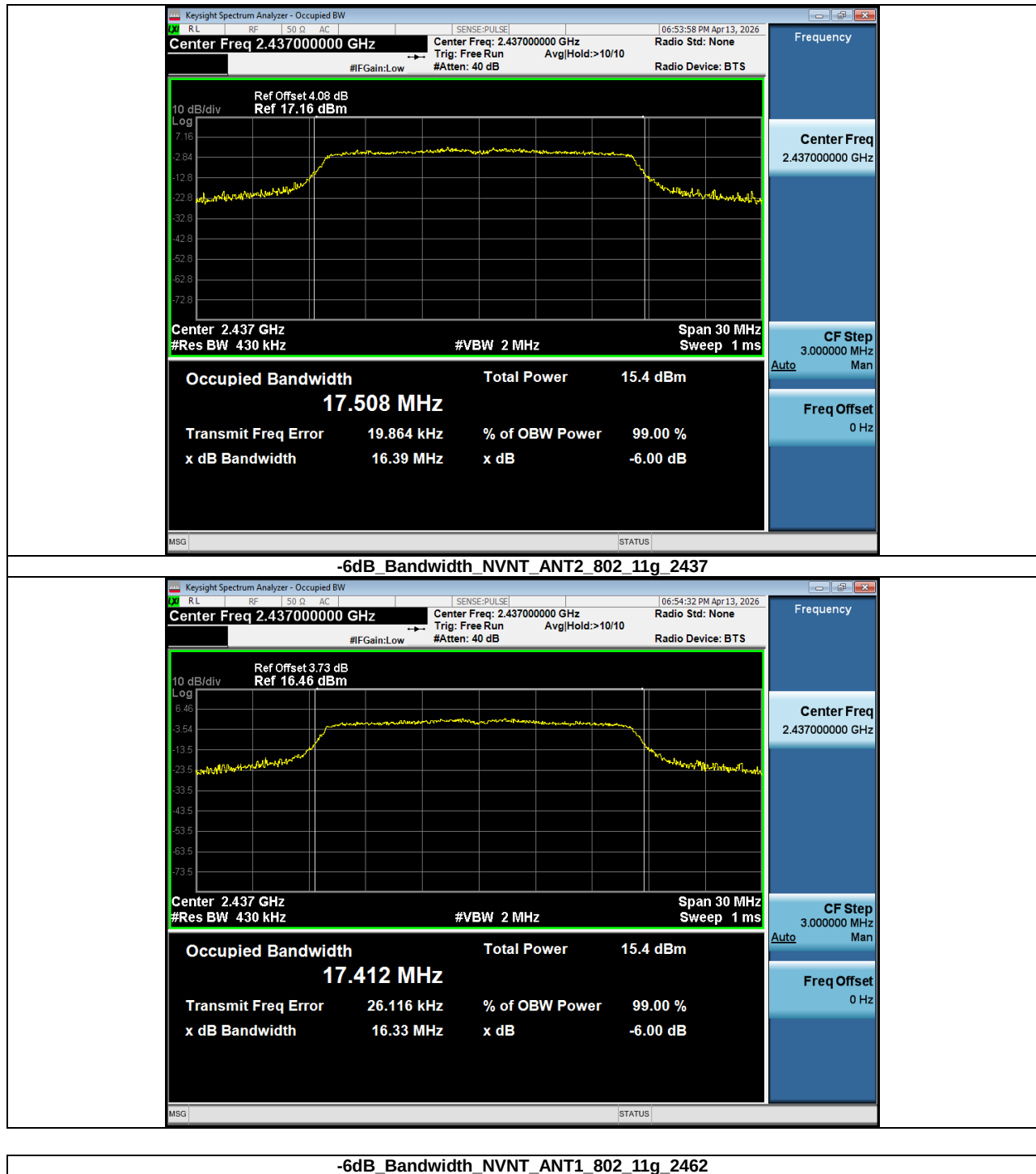
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.20	500	Pass
NVNT	ANT2	802.11b	2412.00	8.21	500	Pass
NVNT	ANT1	802.11b	2437.00	8.22	500	Pass
NVNT	ANT2	802.11b	2437.00	8.21	500	Pass
NVNT	ANT1	802.11b	2462.00	8.20	500	Pass
NVNT	ANT2	802.11b	2462.00	8.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.17	500	Pass
NVNT	ANT2	802.11g	2412.00	16.43	500	Pass
NVNT	ANT1	802.11g	2437.00	16.39	500	Pass
NVNT	ANT2	802.11g	2437.00	16.33	500	Pass
NVNT	ANT1	802.11g	2462.00	16.34	500	Pass
NVNT	ANT2	802.11g	2462.00	16.29	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.52	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	17.68	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.63	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	17.57	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.33	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.63	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	35.88	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.24	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	35.70	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.64	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	35.94	500	Pass

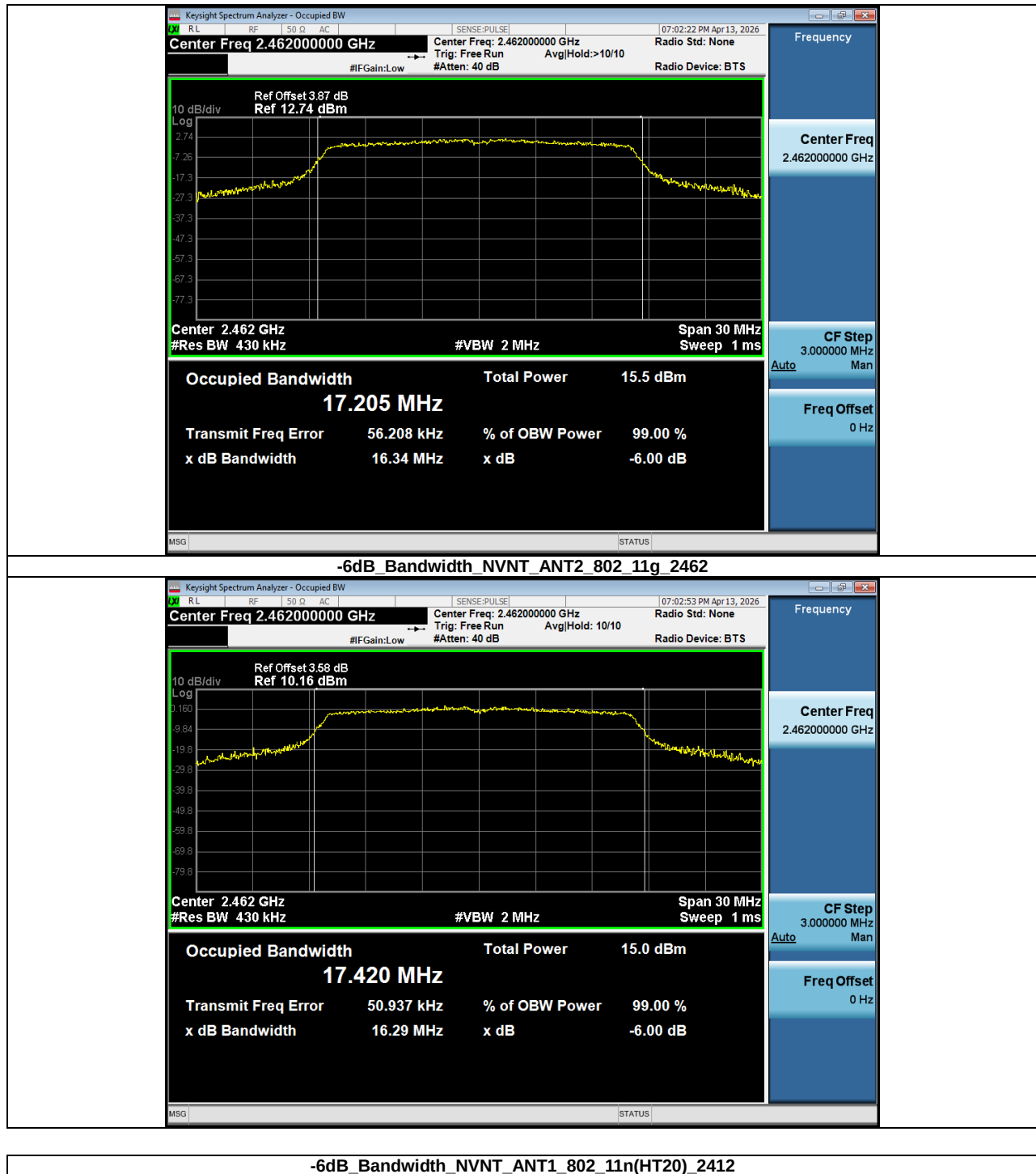
-6dB_Bandwidth_NVNT_ANT1_802_11b_2412**-6dB_Bandwidth_NVNT_ANT2_802_11b_2412****-6dB_Bandwidth_NVNT_ANT1_802_11b_2437**

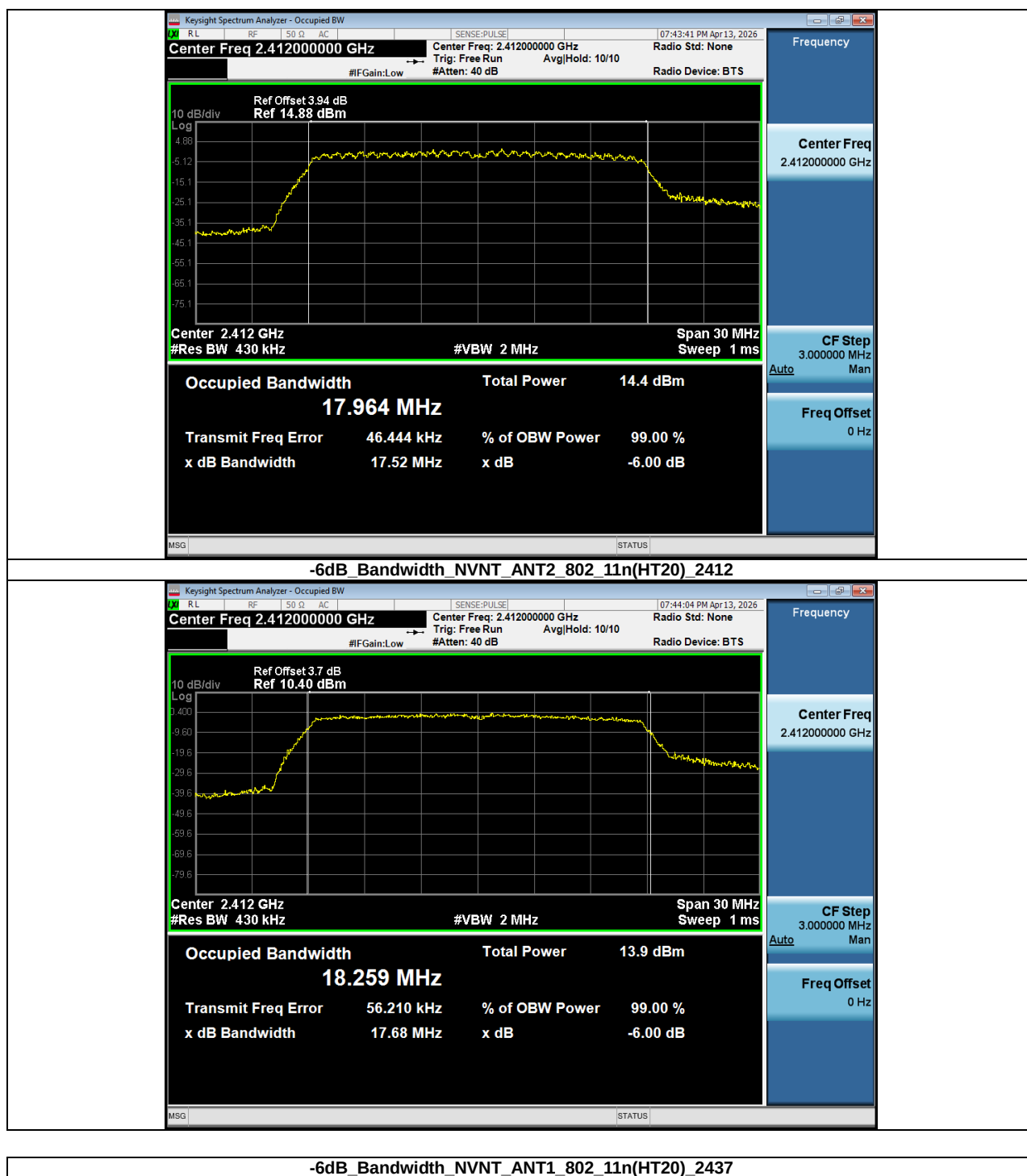


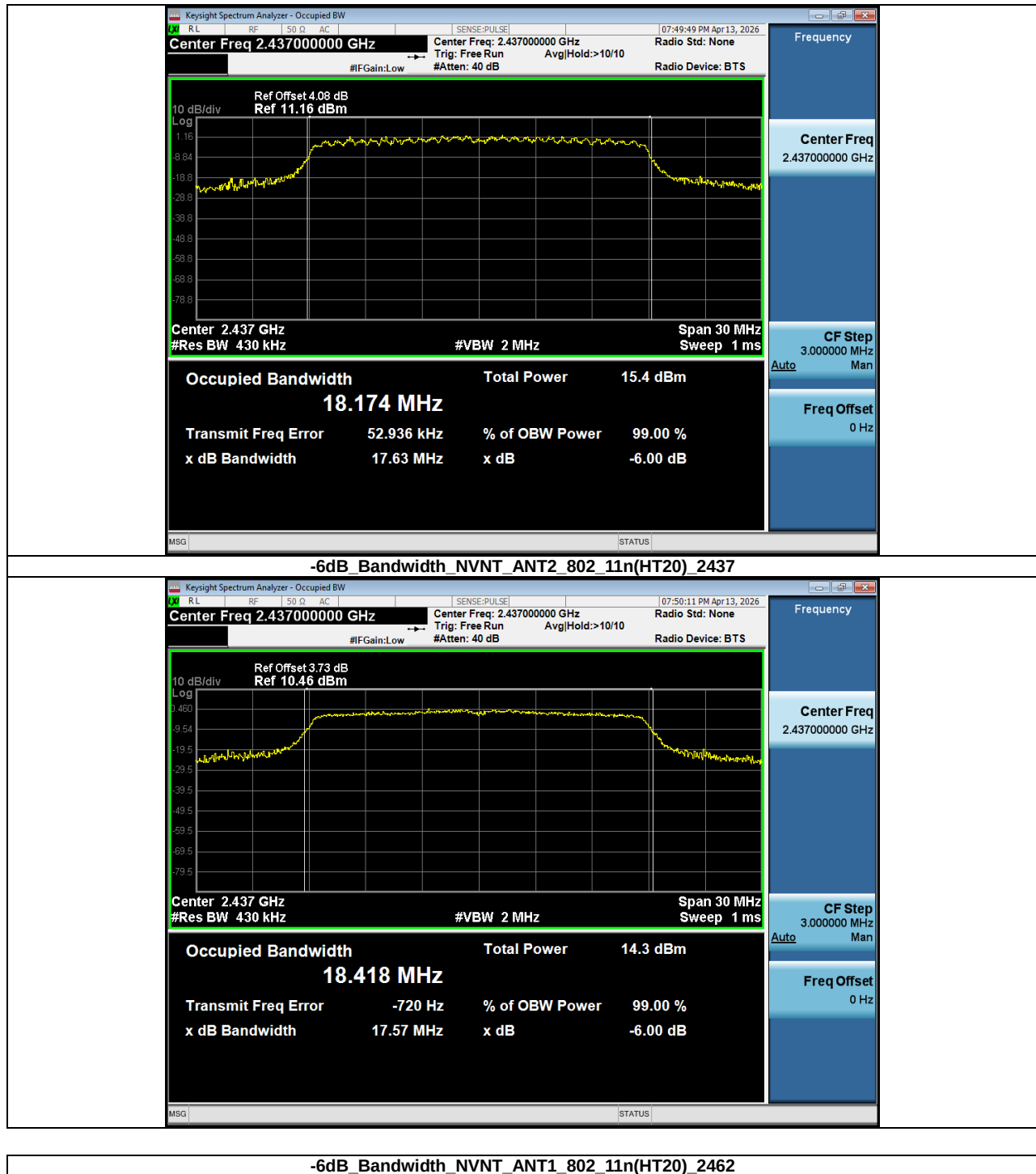


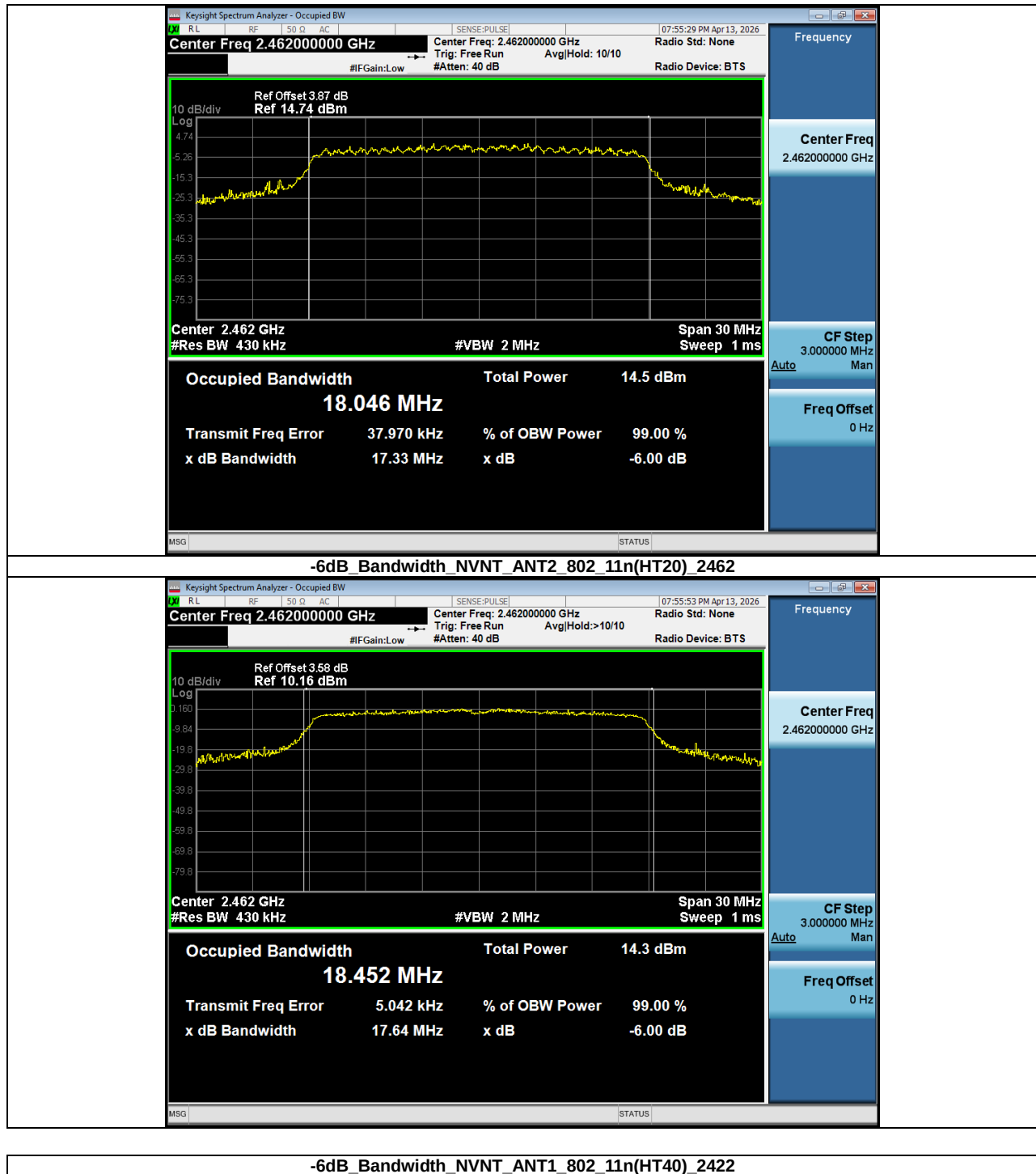


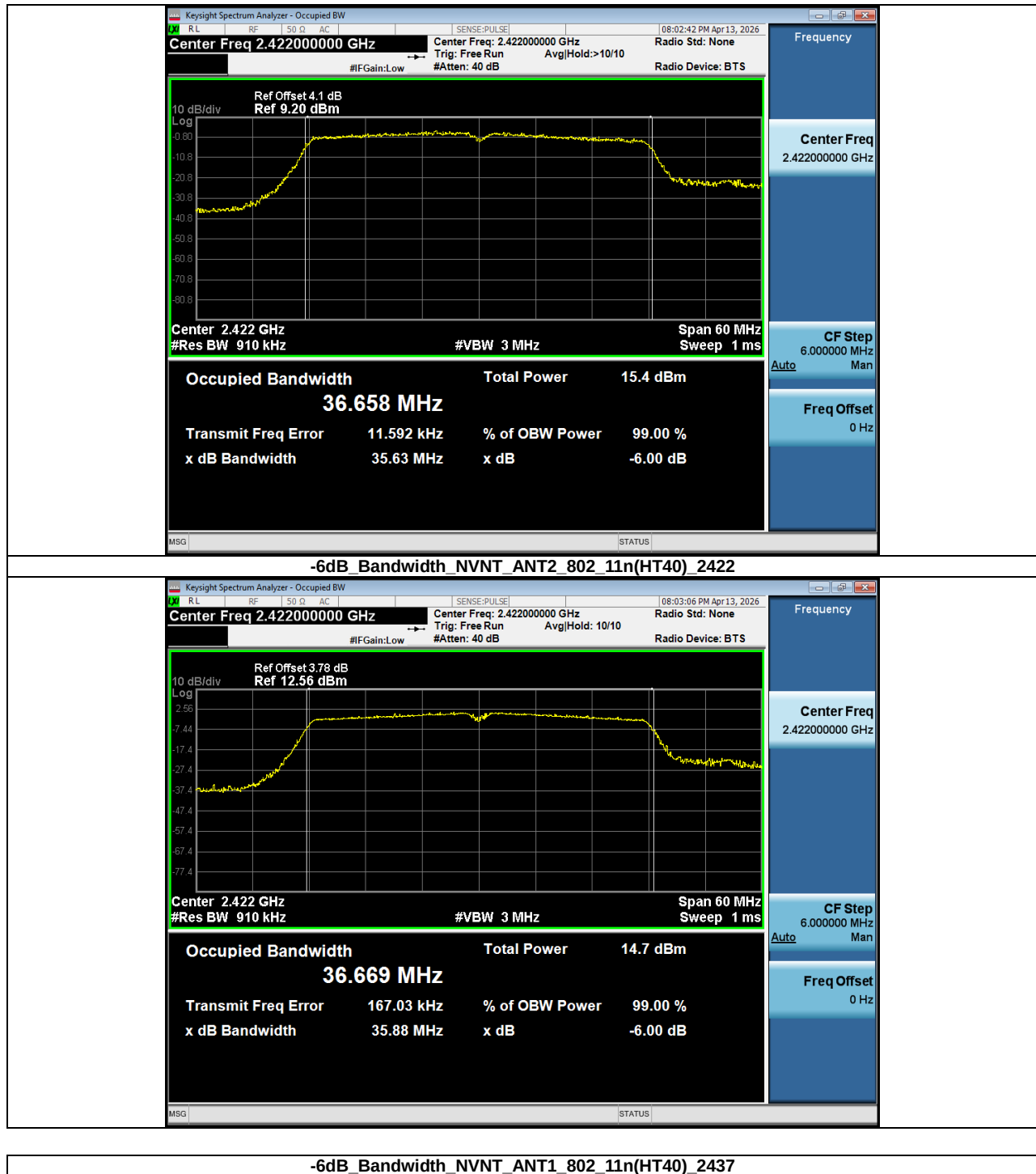


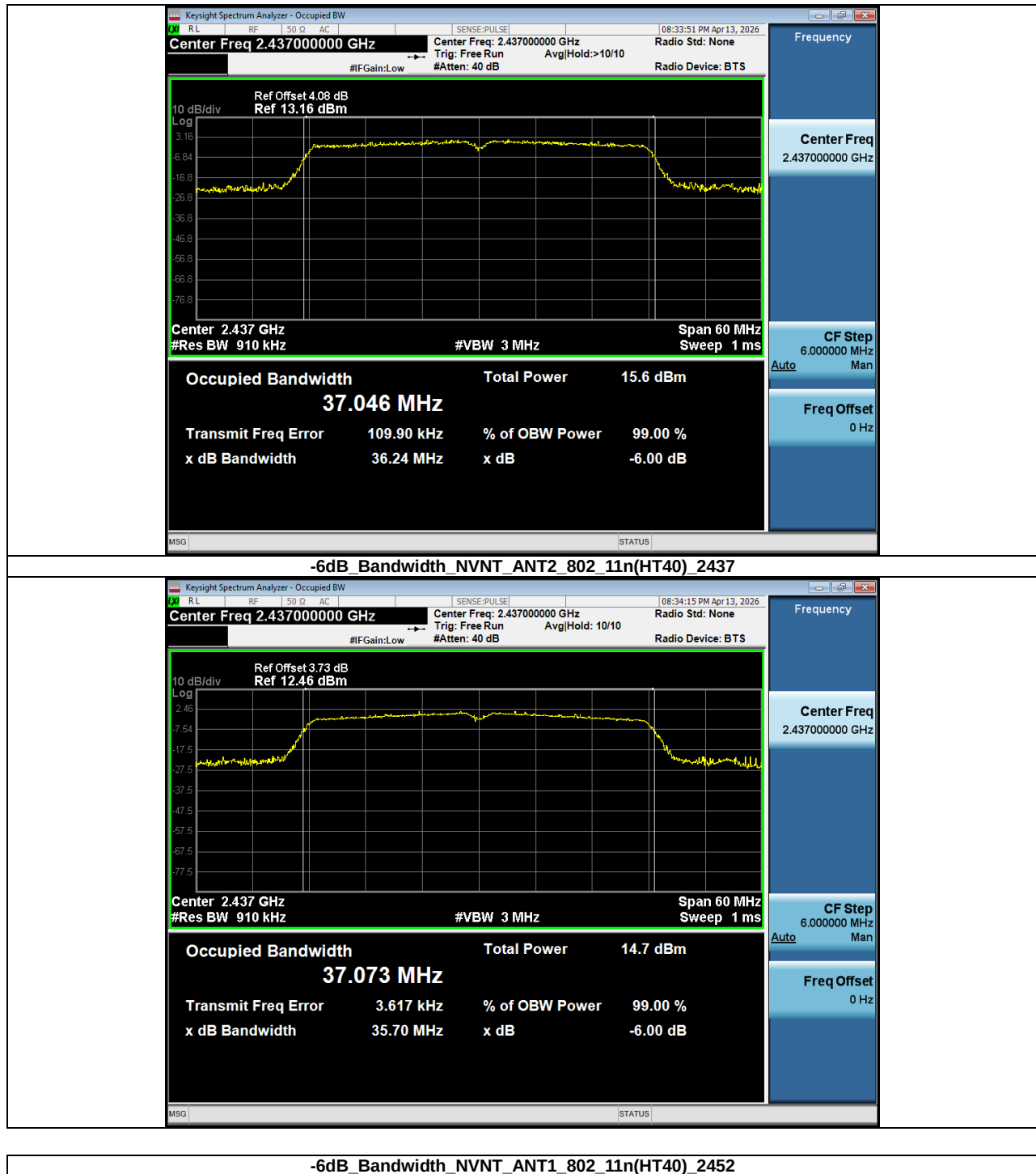


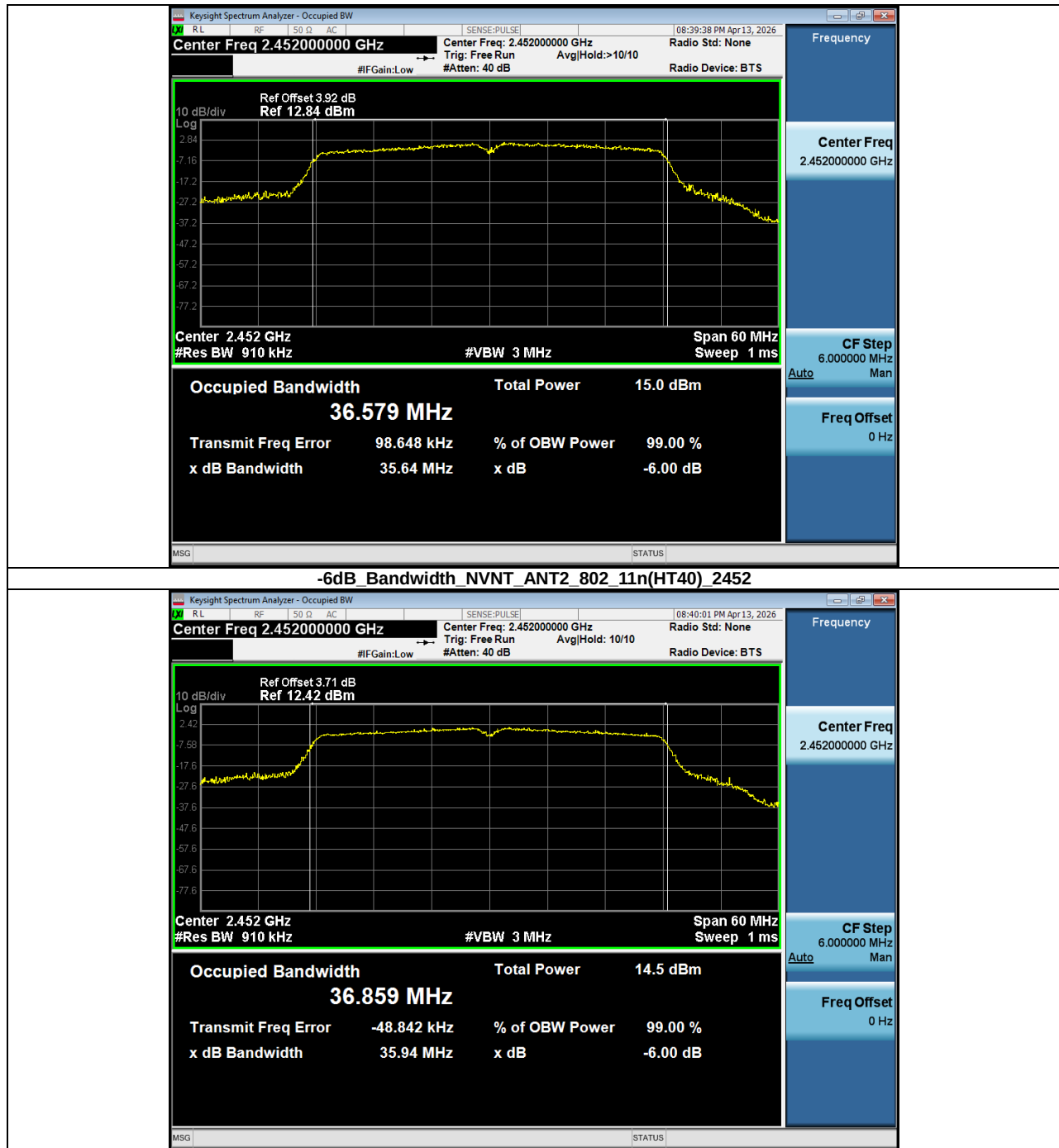






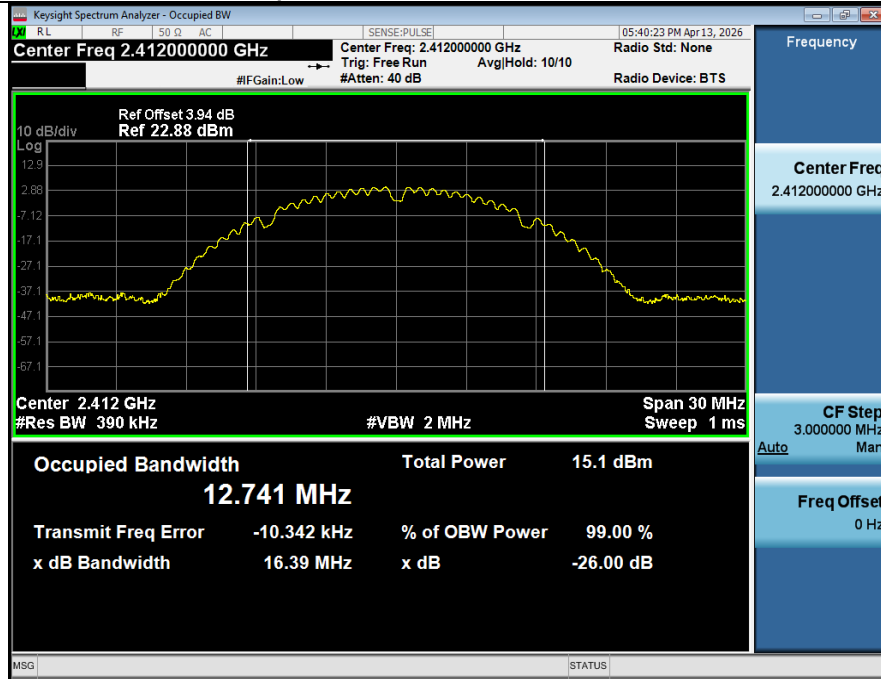




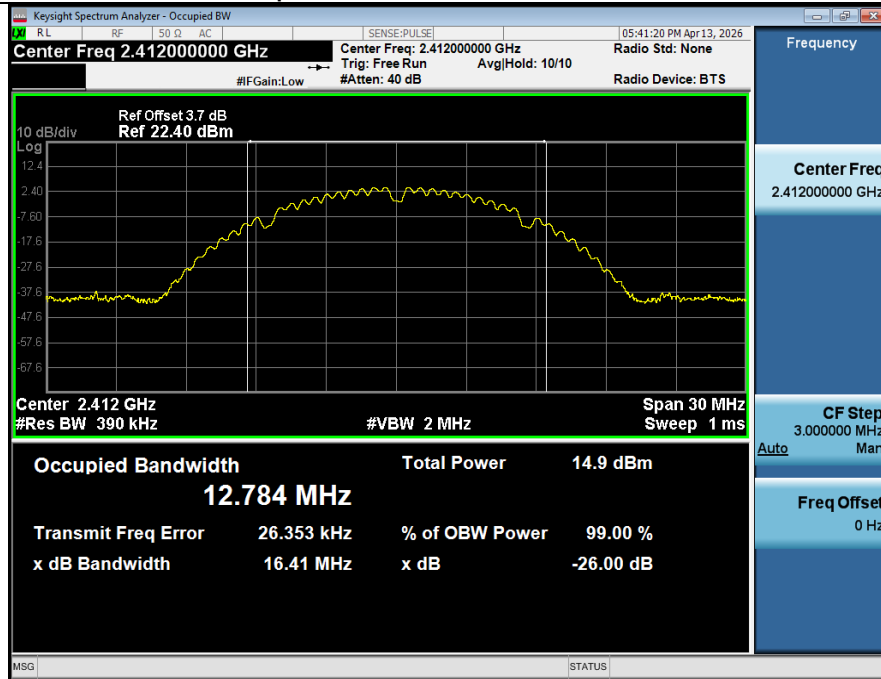


Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.741
NVNT	ANT2	802.11b	2412.00	12.784
NVNT	ANT1	802.11b	2437.00	12.783
NVNT	ANT2	802.11b	2437.00	12.771
NVNT	ANT1	802.11b	2462.00	12.682
NVNT	ANT2	802.11b	2462.00	12.769
NVNT	ANT1	802.11g	2412.00	17.476
NVNT	ANT2	802.11g	2412.00	17.652
NVNT	ANT1	802.11g	2437.00	18.141
NVNT	ANT2	802.11g	2437.00	17.818
NVNT	ANT1	802.11g	2462.00	17.654
NVNT	ANT2	802.11g	2462.00	17.897
NVNT	ANT1	802.11n(HT20)	2412.00	18.140
NVNT	ANT2	802.11n(HT20)	2412.00	18.361
NVNT	ANT1	802.11n(HT20)	2437.00	18.651
NVNT	ANT2	802.11n(HT20)	2437.00	18.790
NVNT	ANT1	802.11n(HT20)	2462.00	18.293
NVNT	ANT2	802.11n(HT20)	2462.00	18.975
NVNT	ANT1	802.11n(HT40)	2422.00	36.759
NVNT	ANT2	802.11n(HT40)	2422.00	36.804
NVNT	ANT1	802.11n(HT40)	2437.00	37.487
NVNT	ANT2	802.11n(HT40)	2437.00	36.981
NVNT	ANT1	802.11n(HT40)	2452.00	36.648
NVNT	ANT2	802.11n(HT40)	2452.00	36.879

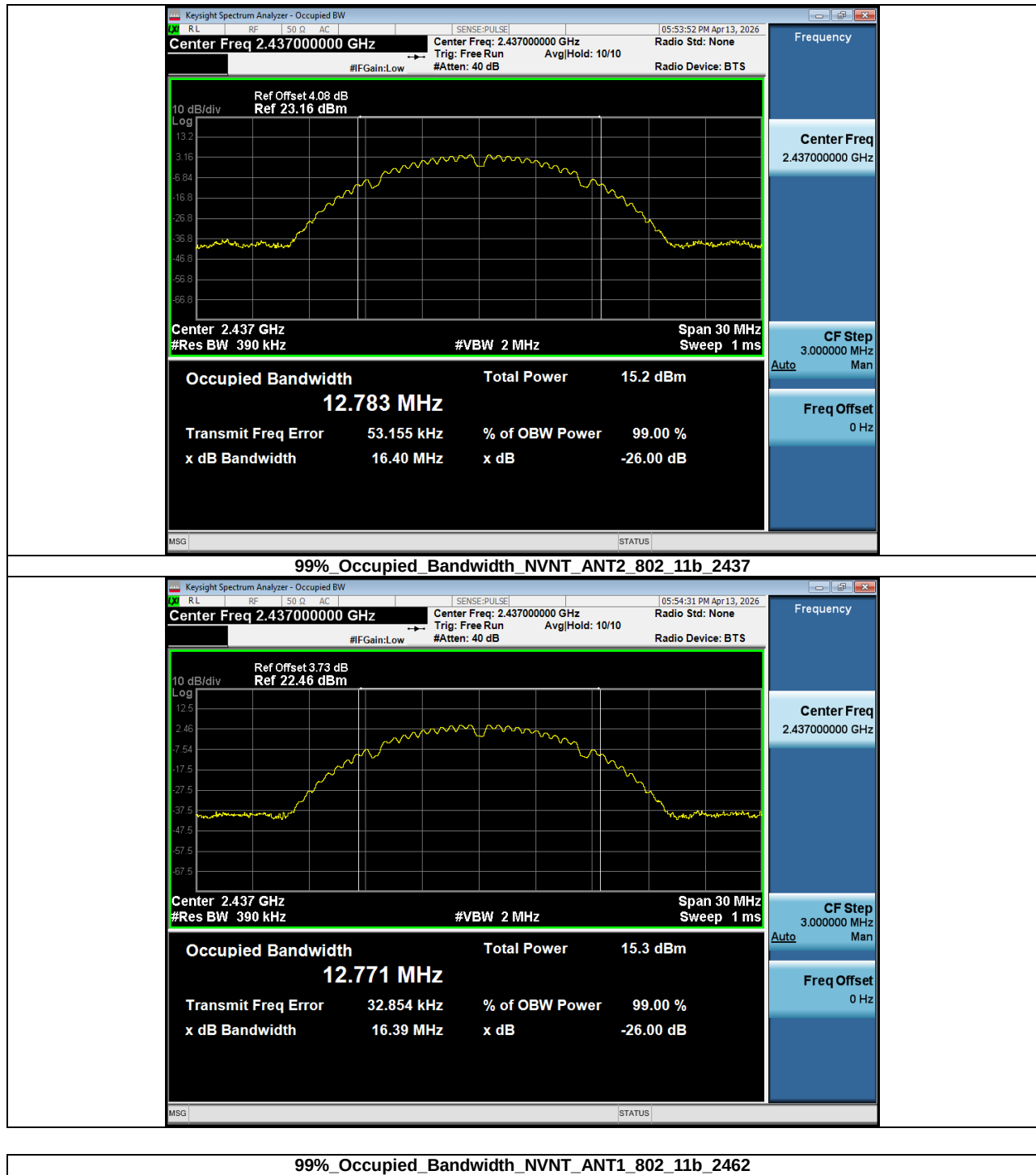
99% Occupied Bandwidth NVNT_ANT1_802_11b_2412

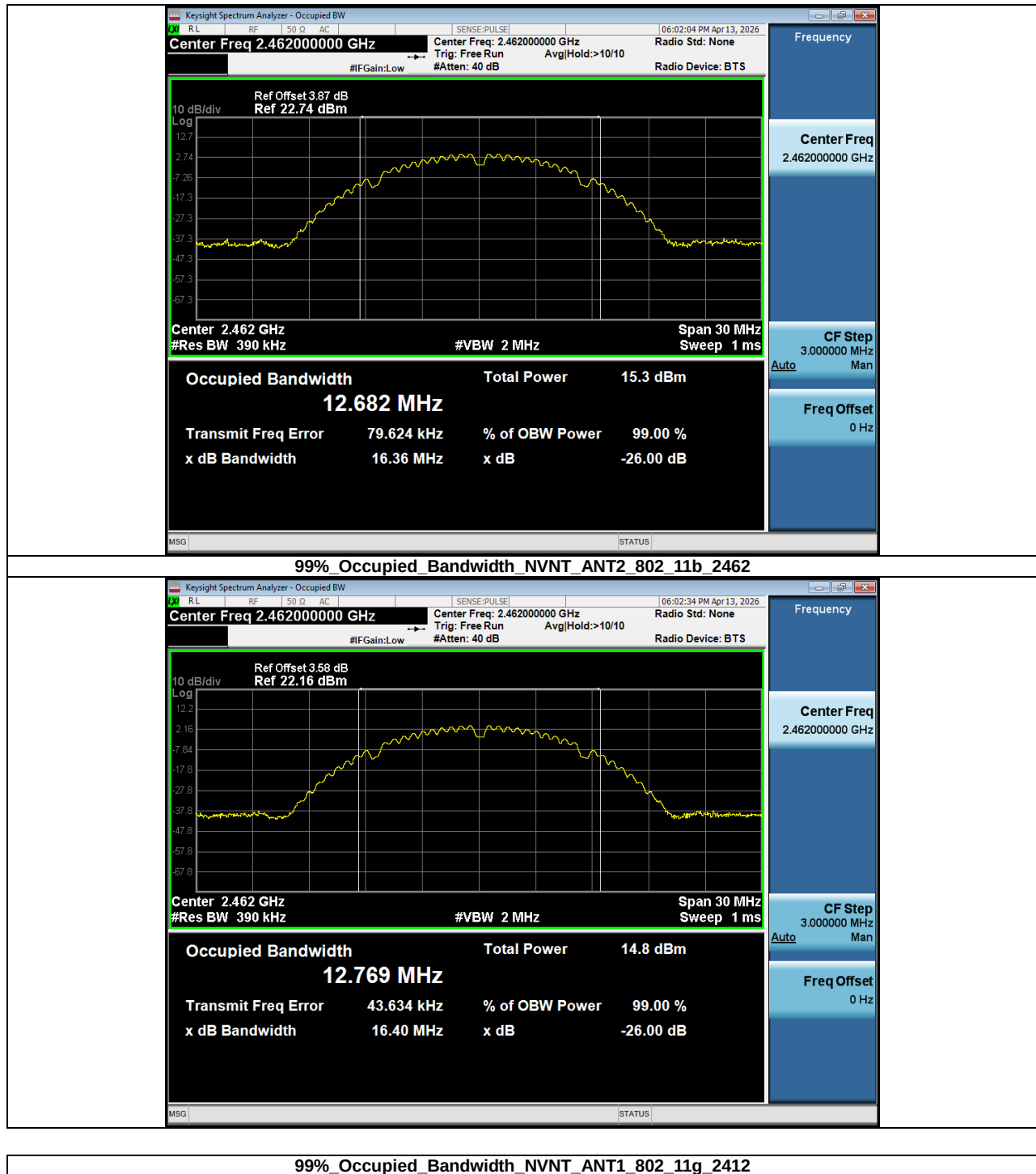


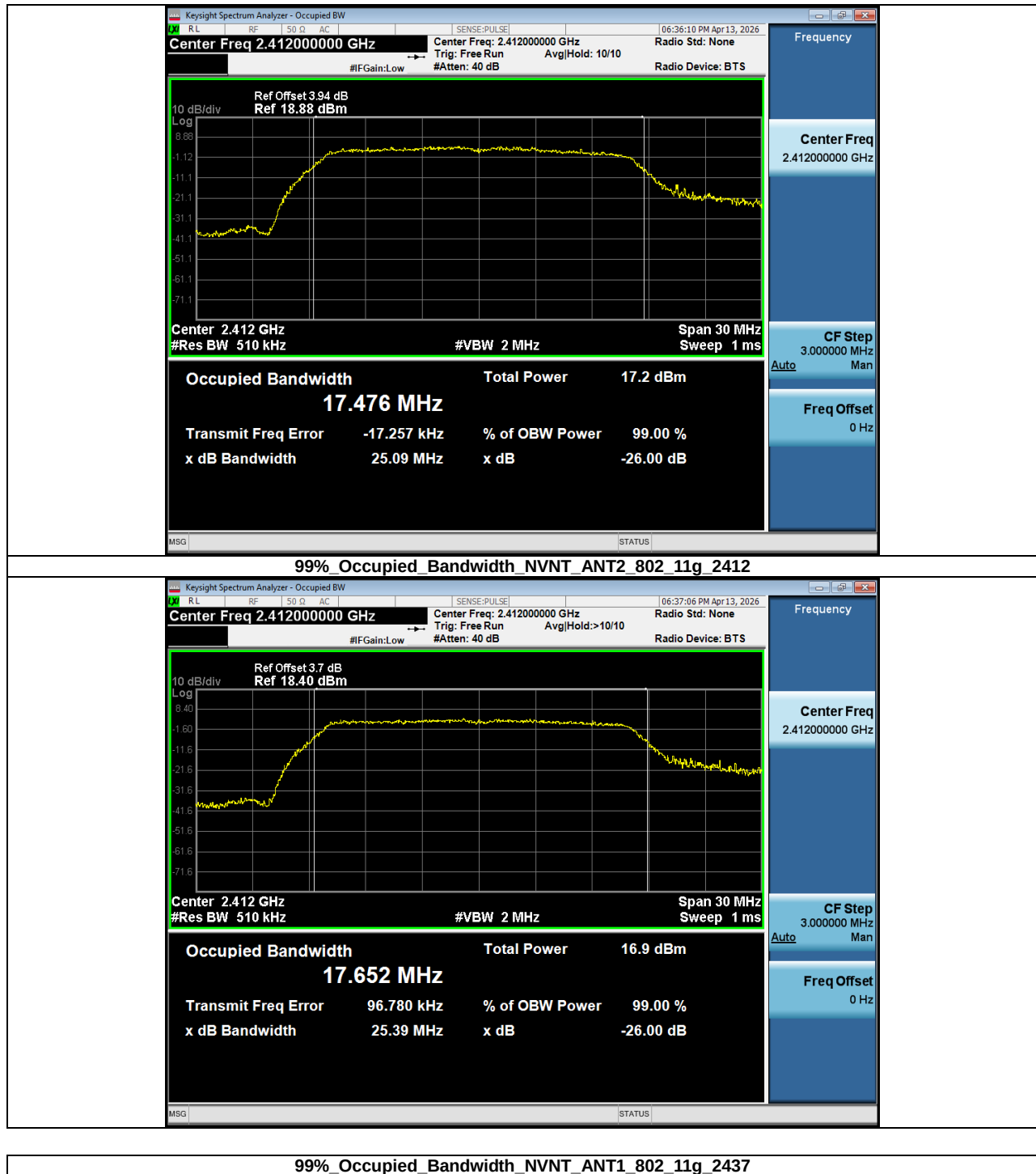
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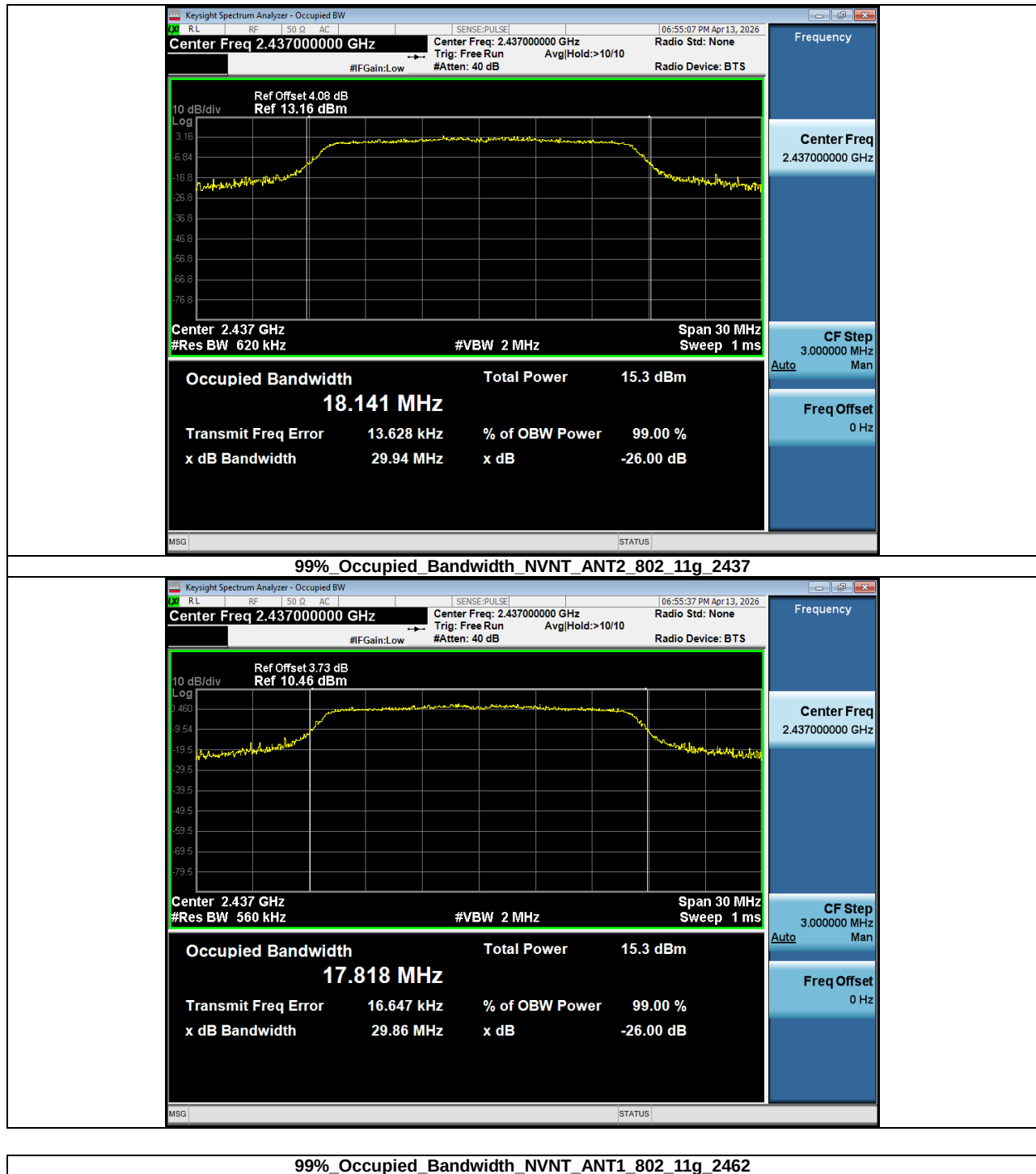


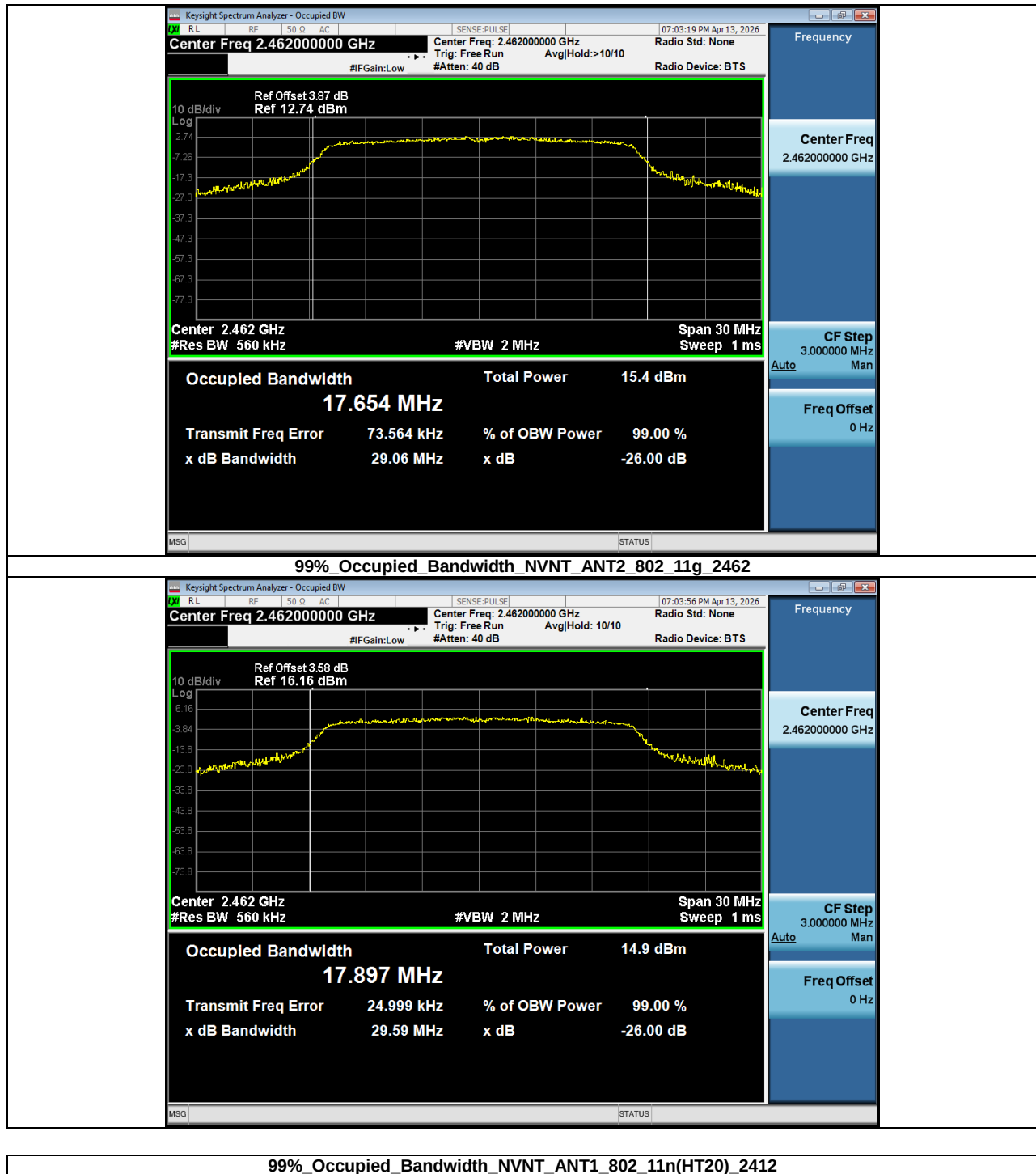
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437

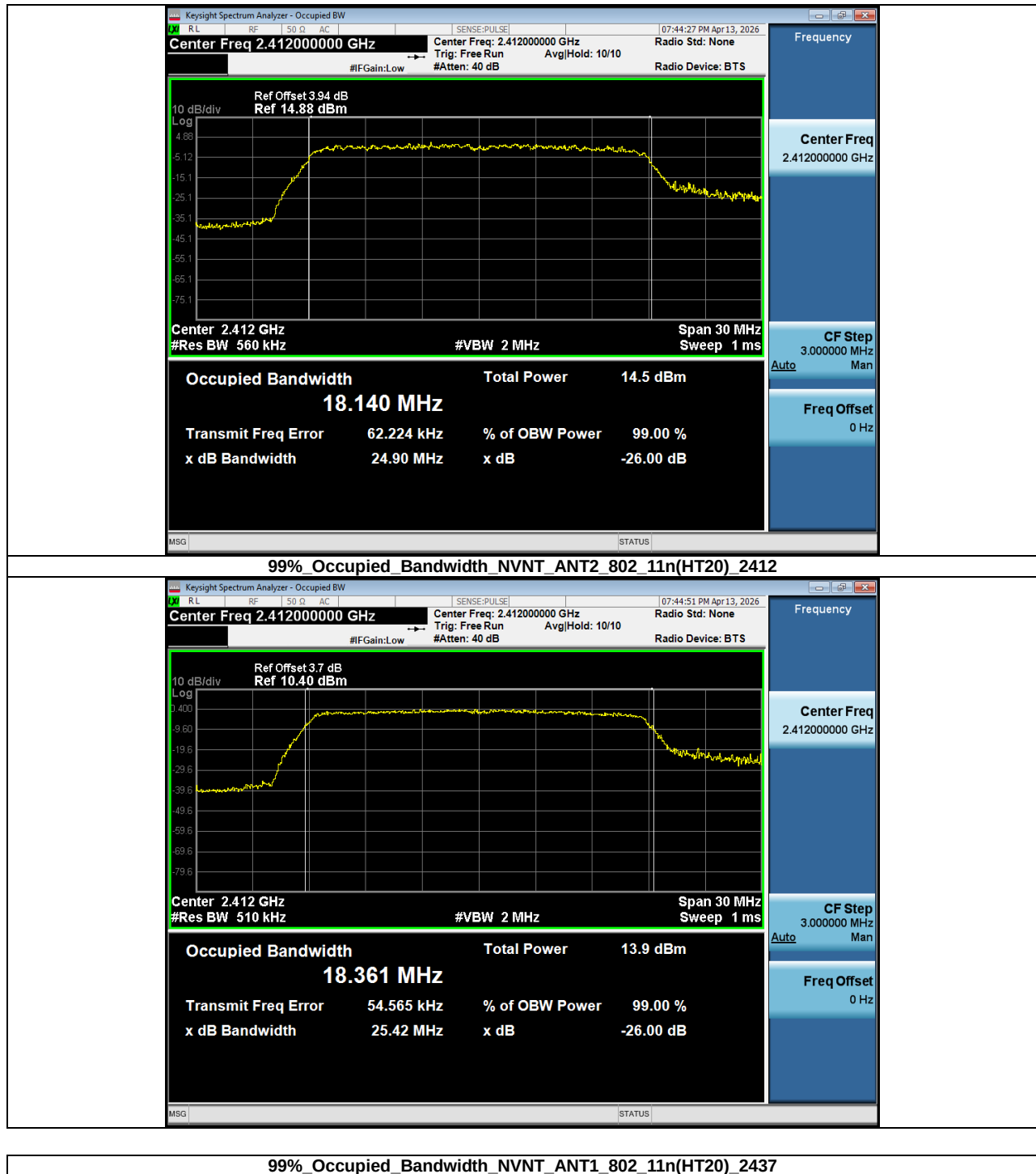


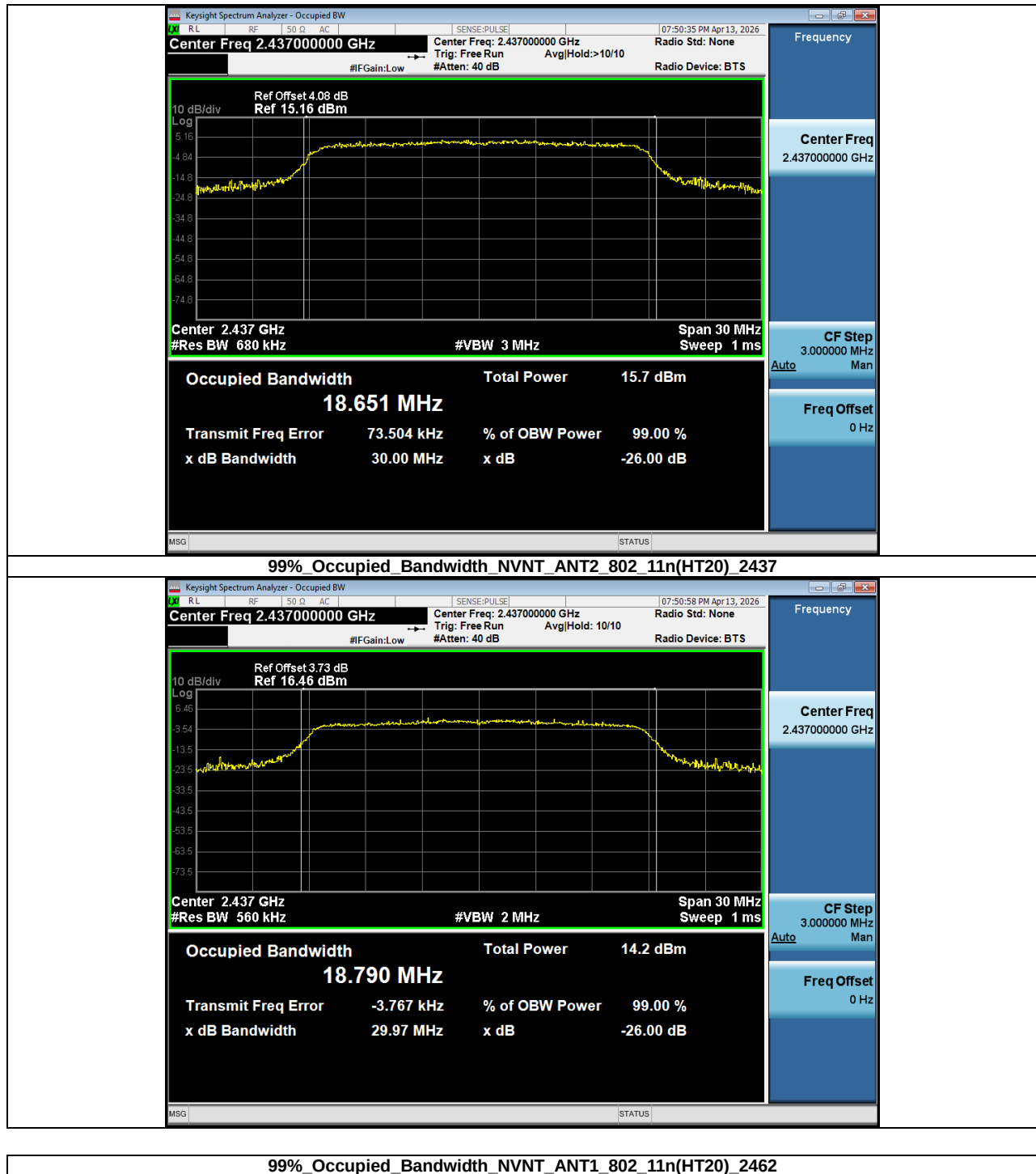


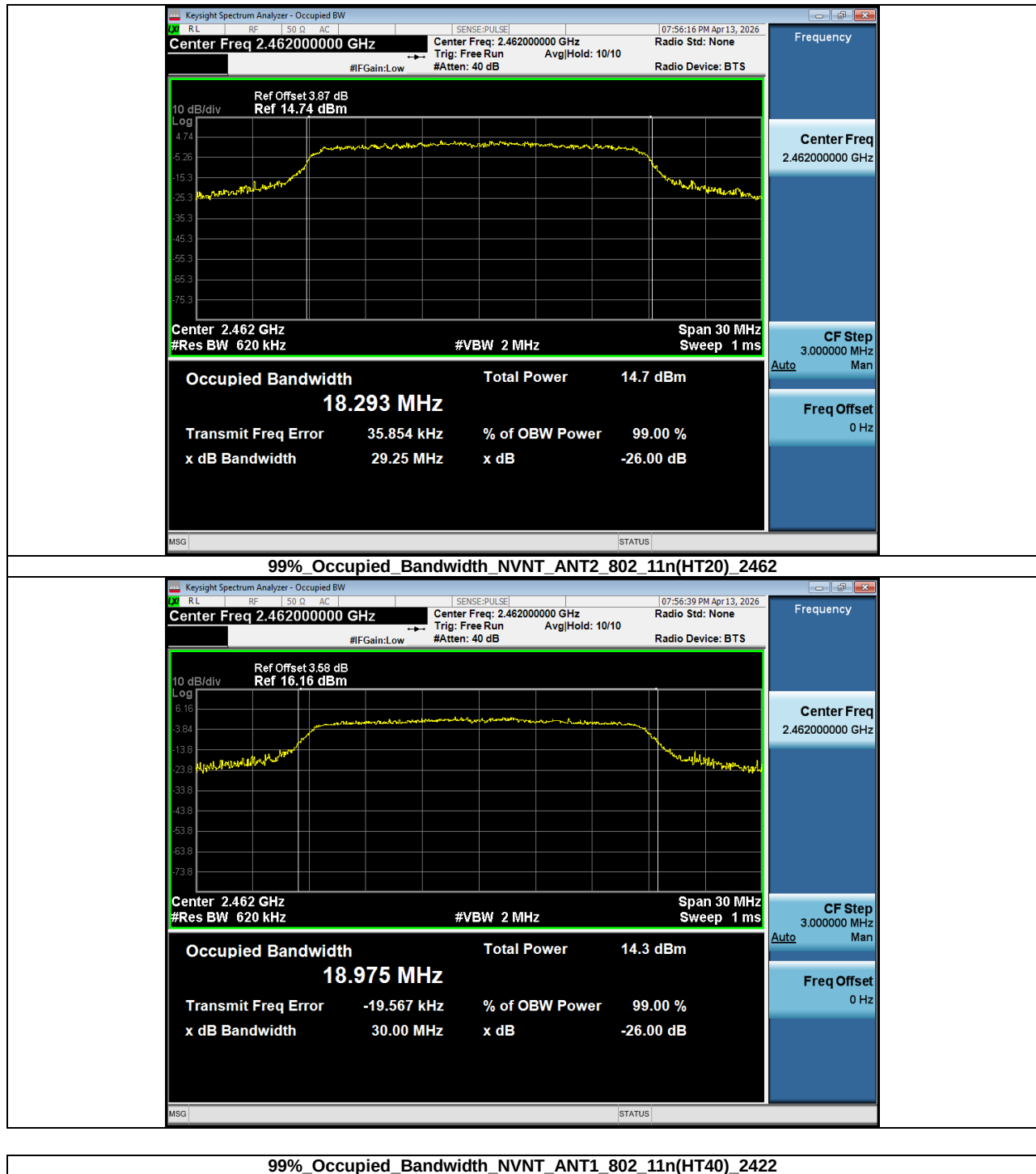


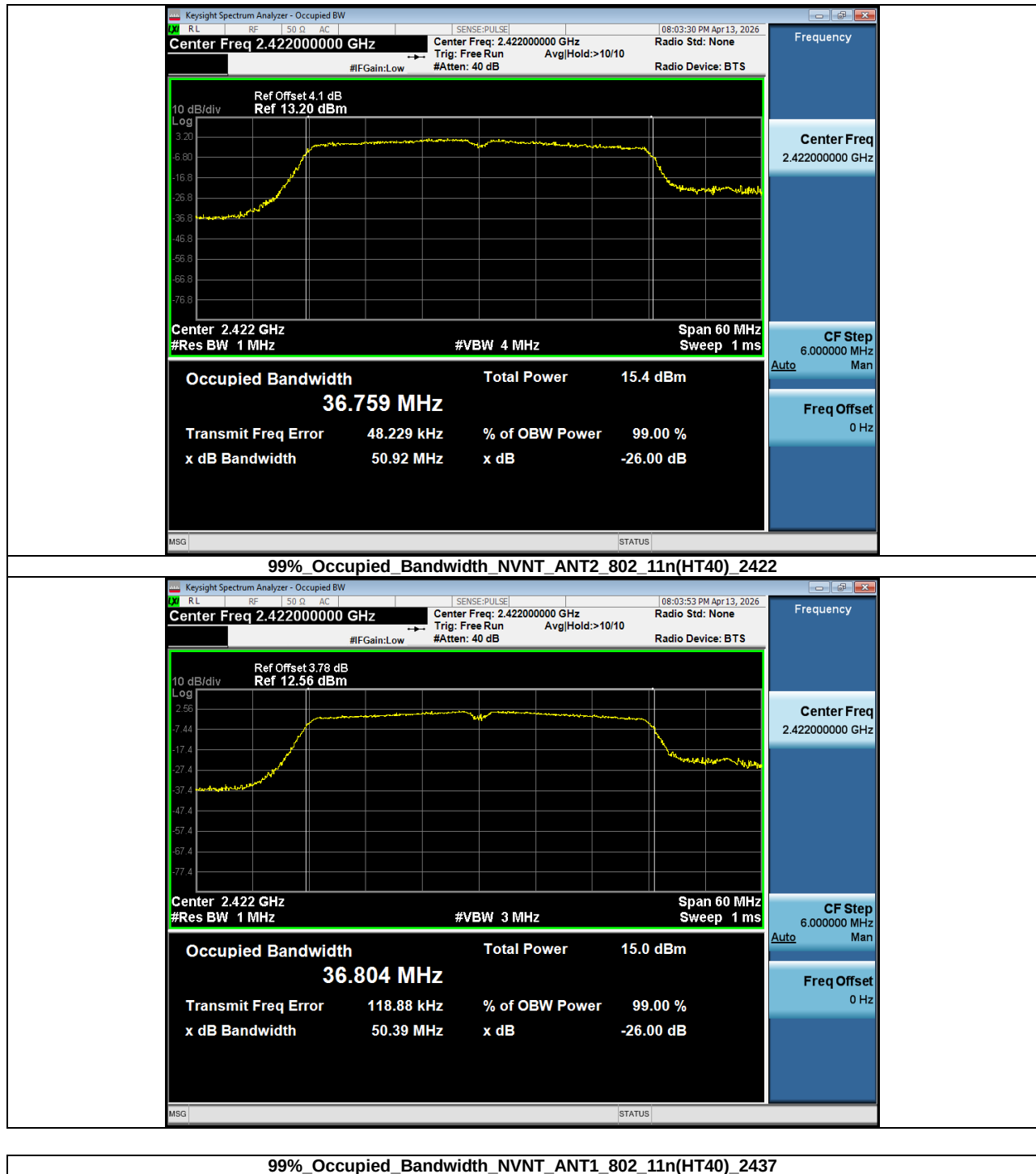


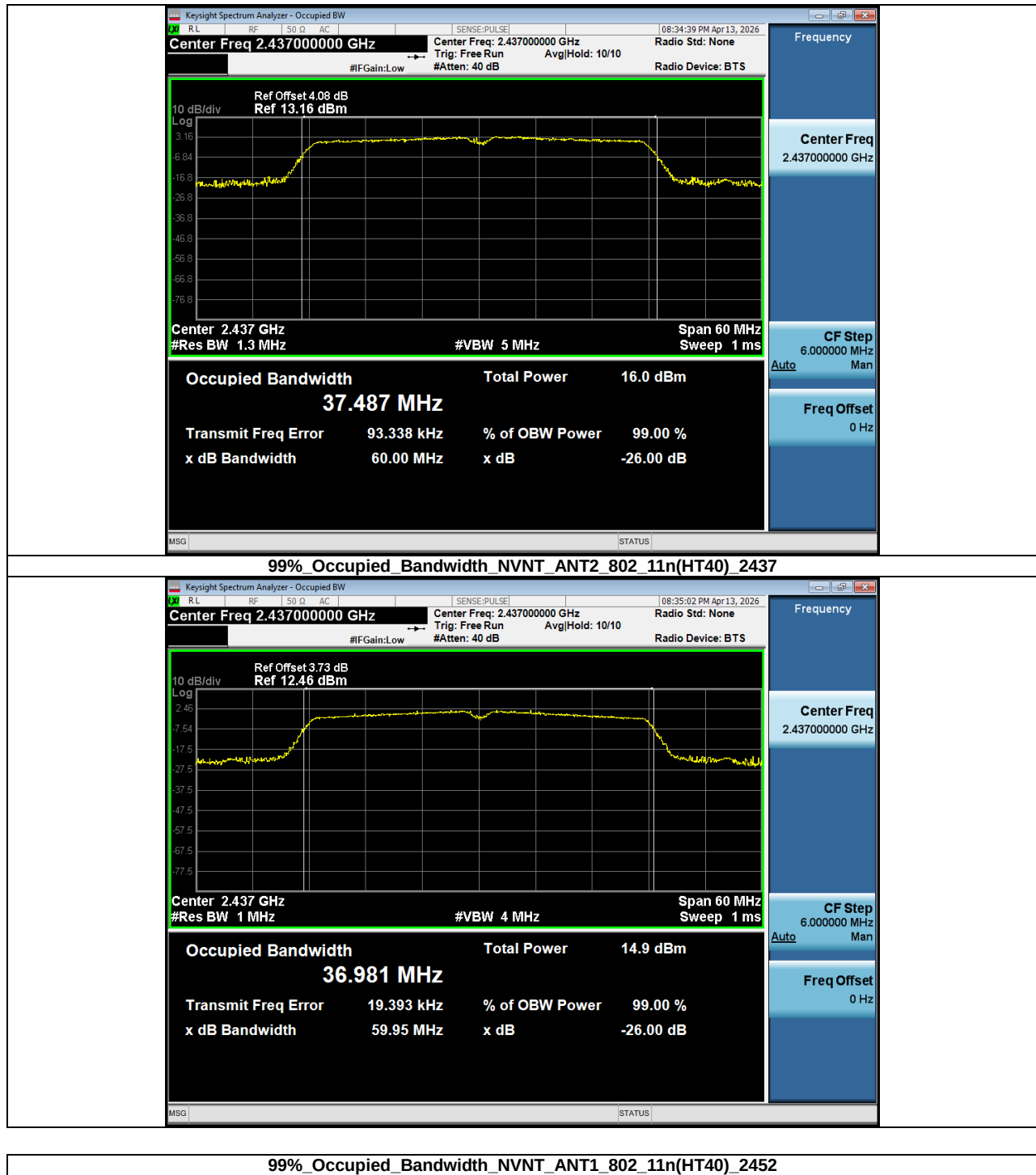


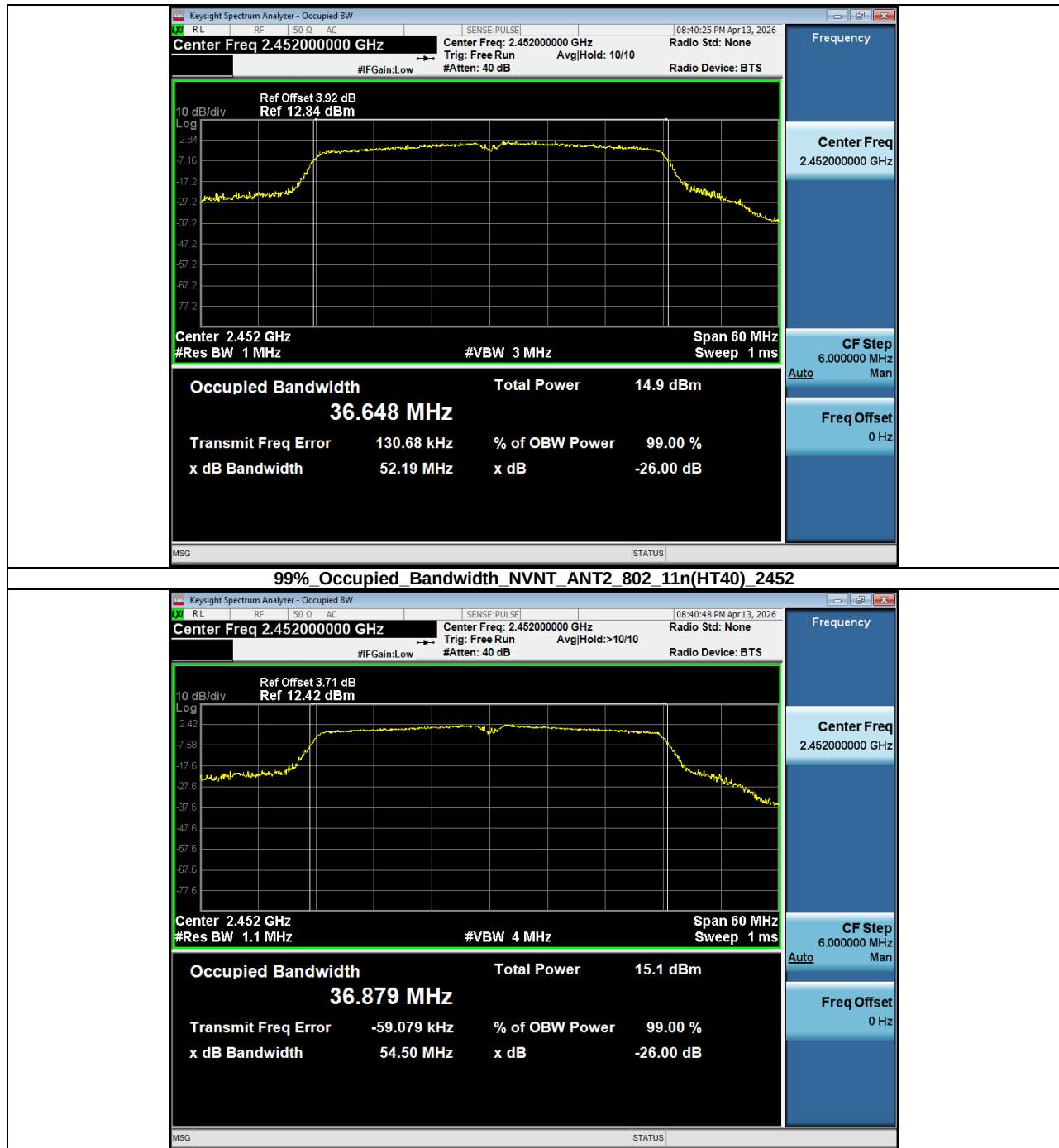












9. Band Edge Test

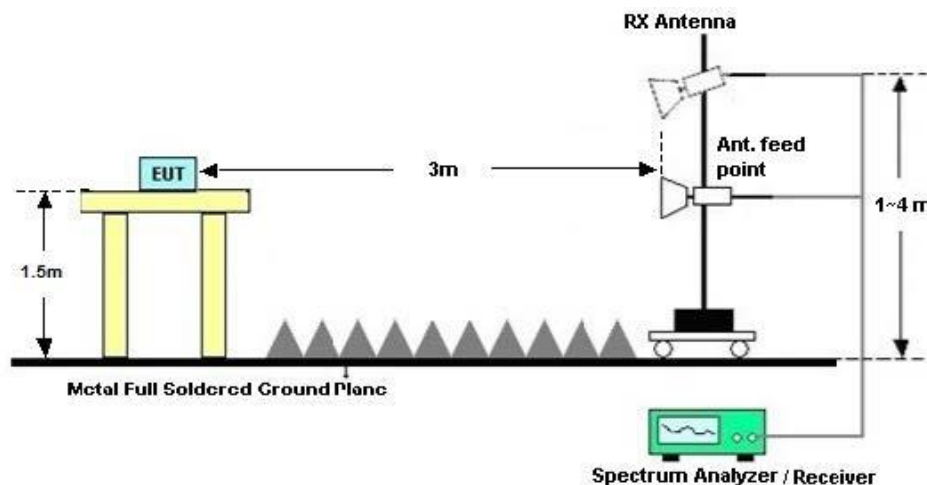
9.1. Test Limit

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 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					: 2026.04.13				Temperature				: 26℃						
Test Engineer					: Jensen Wang				Humidity				: 54%						
Test Results																: PASS			
Frequency Range																: 2310MHz~2410MHz			
Test Mode																: IEEE 802.11b TX 2412MHz			
No.		Freq MHz		Polarity		Reading (dBuV/m)		Correct Factor		Result (dBuV/m)		Limit (dBuV/m)		Margin		Remark			
1		2390		H		60.51		-20.45		40.06		74.00		-33.94		Peak			
2		2390		H		--		-20.45		40.06		54.00		-13.94		Avg			
3		2400		H		61.83		-20.41		41.42		74.00		-32.58		Peak			
4		2400		H		--		-20.41		41.42		54.00		-12.58		Avg			
1		2390		V		58.78		-20.45		38.33		74.00		-35.67		Peak			
2		2390		V		--		-20.45		38.33		54.00		-15.67		Avg			
3		2400		V		62.79		-20.41		42.38		74.00		-31.62		Peak			
4		2400		V		--		-20.41		42.38		54.00		-11.62		Avg			
Frequency Range																: 2450MHz~2550MHz			
Test Mode																: IEEE 802.11b TX 2462MHz			
1		2483.5		H		63.00		-20.15		42.85		74.00		-31.15		Peak			
2		2483.5		H		--		-20.15		42.85		54.00		-11.15		Avg			
1		2483.5		V		64.75		-20.15		44.60		74.00		-29.40		Peak			
2		2483.5		V		--		-20.15		44.60		54.00		-9.40		Avg			
Note:		1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.																	

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11g TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.62	-20.45	40.17	74.00	-33.83	Peak
2	2390	H	--	-20.45	40.17	54.00	-13.83	Avg
3	2400	H	61.42	-20.41	41.01	74.00	-32.99	Peak
4	2400	H	--	-20.41	41.01	54.00	-12.99	Avg
1	2390	V	59.79	-20.45	39.34	74.00	-34.66	Peak
2	2390	V	--	-20.45	39.34	54.00	-14.66	Avg
3	2400	V	63.42	-20.41	43.01	74.00	-30.99	Peak
4	2400	V	--	-20.41	43.01	54.00	-10.99	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11g TX 2462MHz								
1	2483.5	H	63.71	-20.15	43.56	74.00	-30.44	Peak
2	2483.5	H	--	-20.15	43.56	54.00	-10.44	Avg
1	2483.5	V	64.85	-20.15	44.70	74.00	-29.30	Peak
2	2483.5	V	--	-20.15	44.70	54.00	-9.30	Avg
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.							

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT20 TX 2412MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.90	-20.45	40.45	74.00	-33.55	Peak
2	2390	H	--	-20.45	40.45	54.00	-13.55	Avg
3	2400	H	63.41	-20.41	43.00	74.00	-31.00	Peak
4	2400	H	--	-20.41	43.00	54.00	-11.00	Avg
1	2390	V	58.96	-20.45	38.51	74.00	-35.49	Peak
2	2390	V	--	-20.45	38.51	54.00	-15.49	Avg
3	2400	V	62.33	-20.41	41.92	74.00	-32.08	Peak
4	2400	V	--	-20.41	41.92	54.00	-12.08	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT20 TX 2462MHz								
1	2483.5	H	60.31	-20.15	40.16	74.00	-33.84	Peak
2	2483.5	H	--	-20.15	40.16	54.00	-13.84	Avg
1	2483.5	V	65.98	-20.15	45.83	74.00	-28.17	Peak
2	2483.5	V	--	-20.15	45.83	54.00	-8.17	Avg
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.							

Frequency Range : 2310MHz~2410MHz								
Test Mode : IEEE 802.11n/HT40 TX 2422MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.27	-20.45	37.82	74.00	-36.18	Peak
2	2390	H	--	-20.45	37.82	54.00	-16.18	Avg
3	2400	H	62.99	-20.41	42.58	74.00	-31.42	Peak
4	2400	H	--	-20.41	42.58	54.00	-11.42	Avg
1	2390	V	59.44	-20.45	38.99	74.00	-35.01	Peak
2	2390	V	--	-20.45	38.99	54.00	-15.01	Avg
3	2400	V	63.84	-20.41	43.43	74.00	-30.57	Peak
4	2400	V	--	-20.41	43.43	54.00	-10.57	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : IEEE 802.11n/HT40 TX 2452MHz								
1	2483.5	H	62.62	-20.15	42.47	74.00	-31.53	Peak
2	2483.5	H	--	-20.15	42.47	54.00	-11.53	Avg
1	2483.5	V	65.55	-20.15	45.40	74.00	-28.60	Peak
2	2483.5	V	--	-20.15	45.40	54.00	-8.60	Avg
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor, Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.							

Note : Except for mode b/g, other modes test the MIMO status.

The test result of SISO mode reflects the worst data between antenna 1 and antenna 2.

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 **appendix I Test Setup Photo** for details.

12. Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

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