



Report No.: TWN2606521-03E

Applicant: YAU WAI TRADING

Product: EVPAD Player

Model No.: EVPAD-13S, EVPAD-13P, EVPAD-13 PLUS, EVBOX-13MAX, EPLAY-13G

Trademark: EVPAD

Test Standards: FCC Part 15.247

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15.247 for the evaluation of electromagnetic compatibility

Approved By

Terry Tang



Terry Tang

Manager

Dated: July 13, 2026

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

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Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

ISED —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

FCC Designation Number: CN1251

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996
Site Listed with Federal Communications commission (FCC)
Registration Number: 744189
For 3m Anechoic Chamber
Site Listed with ISED of Ottawa, Canada
Registration Number: IC: 5205A
For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: YAU WAI TRADING
Address: WORKSHOP NO. 14, 4TH FLOOR LAURELS INDUSTRIAL CENTRE NO. 32 TAI YAU STREET KOWLOON, HONG KONG, China

1.3 Description of EUT

Product: EVPAD Player
Manufacturer: YAU WAI TRADING
Address: WORKSHOP NO. 14, 4TH FLOOR LAURELS INDUSTRIAL CENTRE NO. 32 TAI YAU STREET KOWLOON, HONG KONG, China
Trademark: EVPAD
Model Number: EVPAD-13S
Additional Model Number: EVPAD-13P, EVPAD-13 PLUS, EVBOX-13MAX, EPLAY-13G
Remark: These models are all identical in interior structure, electrical circuits and components, and just the model names and color are different for the marketing requirement.
Hardware Version: V1.1
Software Version: V1.0
Serial No.: 00226eab1234
Rating: Input: DC5.0V, 2000mA
Power Supply: Model: QL010-0502000VU
Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A, 10W
Type of Modulation IEEE 802.11b: DSSS (CCK, QPSK, DBPSK)
IEEE 802.11g/n (HT20, HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ax (HEW20, HEW40): OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)

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Frequency range	IEEE 802.11b/g/n (HT20)/ax (HEW20): 2412-2462MHz; IEEE 802.11n (HT40)/ax (HEW40): 2422-2452MHz
Channel Spacing	5MHz for IEEE 802.11b/g/n (HT20, HT40)/ax (HEW20, HEW40)
Air Data Rate	IEEE 802.11b: 11, 5.5, 2, 1 Mbps IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps IEEE 802.11n HT20/HT40: mcs0-mcs7 IEEE 802.11ax HEW20/HEW40: mcs0-mcs11
Frequency Selection	By software
Channel Number	IEEE 802.11b/g/n (HT20)/ax (HEW20): 11 Channels; IEEE 802.11n (HT40)/ ax (HEW40): 7 Channels;
Antenna:	FPC antenna. The gain of the antennas is 0.31dBi maximum. (Get from the antenna specification provided the applicant)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration
2026-06-15 to 2026-07-13

1.6 Test Uncertainty
Conducted Emissions Uncertainty =3.6dB
Radiated Emissions below 1GHz Uncertainty =4.7dB
Radiated Emissions above 1GHz Uncertainty =6.0dB
Conducted Power Uncertainty =6.0dB
Occupied Channel Bandwidth Uncertainty =5%
Note: The measurement uncertainty is for coverage factor of $k=2$ and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xie





2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2026-07-08	2027-07-07
LISN	R&S	EZH3-Z5	100294	2026-07-08	2027-07-07
LISN	R&S	EZH3-Z5	100253	2026-07-08	2027-07-07
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2026-07-08	2027-07-07
Loop Antenna	EMCO	6507	00078608	2026-07-08	2027-07-07
Spectrum	R&S	FSIQ26	100292	2026-07-08	2027-07-07
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2026-07-08	2027-07-07
Power sensor	Anritsu	MA2491A	32263	2026-07-08	2027-07-07
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESVB	826156/011	2026-07-08	2027-07-07
EMI Test Receiver	RS	ESCS 30	834115/006	2026-07-08	2027-07-07
Spectrum	HP/Agilent	E4407B	MY50441392	2026-07-08	2027-07-07
Spectrum	RS	FSP	1164.4391.38	2026-07-08	2027-07-07
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2026-07-08	2027-07-07
RF Cable	Zhengdi	7m	--	2026-07-08	2027-07-07
Pre-Amplifier	Schwarebeck	BBV9743	#218	2026-07-08	2027-07-07
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2026-07-08	2027-07-07
LISN	SCHAFFNER	NNB42	00012	2026-07-08	2027-07-07
ESPI Test Receiver	R&S	ESPI 3	100379	2026-07-08	2027-07-07
LISN	R&S	EZH3-Z5	100294	2026-07-08	2027-07-07

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3. DESCRIPTION OF TEST MODES

IEEE 802.11b, 802.11g, 802.11n (HT20) , 802.11ax (HEW20) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2412
Middle	2437
High	2462

IEEE 802.11b mode: 1Mbps data rate (worst case) was chosen for full testing. IEEE 802.11g mode: 6Mbps data rate (worst case) was chosen for full testing. IEEE 802.11n (HT20)/802.11ax (HEW20) mode: mcs0 (worst case) were chosen for full testing;

IEEE 802.11n (HT40) /802.11ax (HEW40) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2422
Middle	2437
High	2452

IEEE 802.11n (HT40)/ 802.11ax (HEW40) mode: mcs0 data rate (worst case) were chosen for full testing

- Note: 1. During the test, the duty cycle was set up to >98%
2. For 802.11ax mode only support full RU mode.

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth > 500kHz	Pass	Complies
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	Pass	Complies
FCC Part 15, Paragraph 15.109, 15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	Pass	Complies
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	Pass	Complies
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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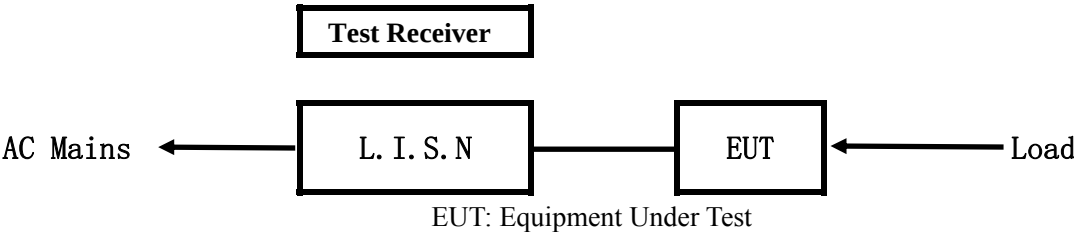
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

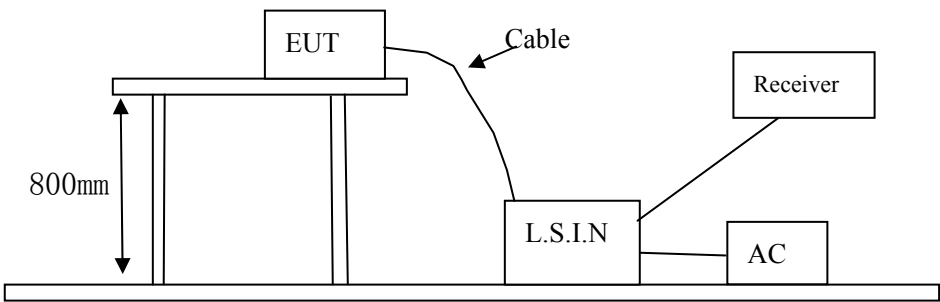


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

Test Voltage: 120V, 60Hz

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
EVPAD Player	YAU WAI TRADING	EVPAD-13S, EVPAD-13P, EVPAD-13 PLUS, EVBOX-13MAX, EPLAY-13G	2A4G813P13S

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

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Device	Manufacturer	Model	Rating
Flat Panel Monitor	DELL	U272QM	Input: 100-240V~, 50/60Hz, 2.5A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

A Setup the EUT and simulators as shown on follow

B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.	46.0
5.00 ~ 30.00	60.0	50.0

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

Note: Only the worst case was recorded in the test report.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

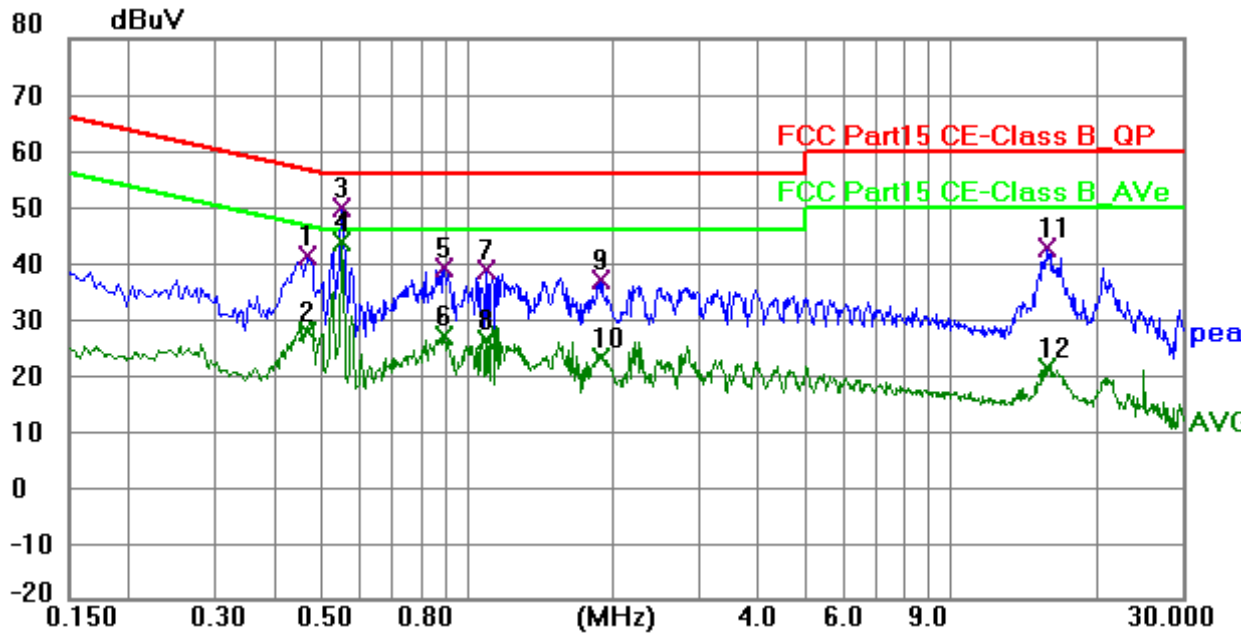
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.4660	31.06	10.35	41.41	56.58	-15.17	QP	P
2	0.4660	17.30	10.35	27.65	46.58	-18.93	AVG	P
3	0.5500	39.43	10.38	49.81	56.00	-6.19	QP	P
4	0.5500	33.33	10.38	43.71	46.00	-2.29	AVG	P
5	0.8980	28.80	10.39	39.19	56.00	-16.81	QP	P
6	0.8980	16.55	10.39	26.94	46.00	-19.06	AVG	P
7	1.0980	28.31	10.38	38.69	56.00	-17.31	QP	P
8	1.0980	15.71	10.38	26.09	46.00	-19.91	AVG	P
9	1.8860	26.87	10.20	37.07	56.00	-18.93	QP	P
10	1.8860	12.82	10.20	23.02	46.00	-22.98	AVG	P
11	15.8140	32.35	10.43	42.78	60.00	-17.22	QP	P
12	15.8140	10.66	10.43	21.09	50.00	-28.91	AVG	P

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

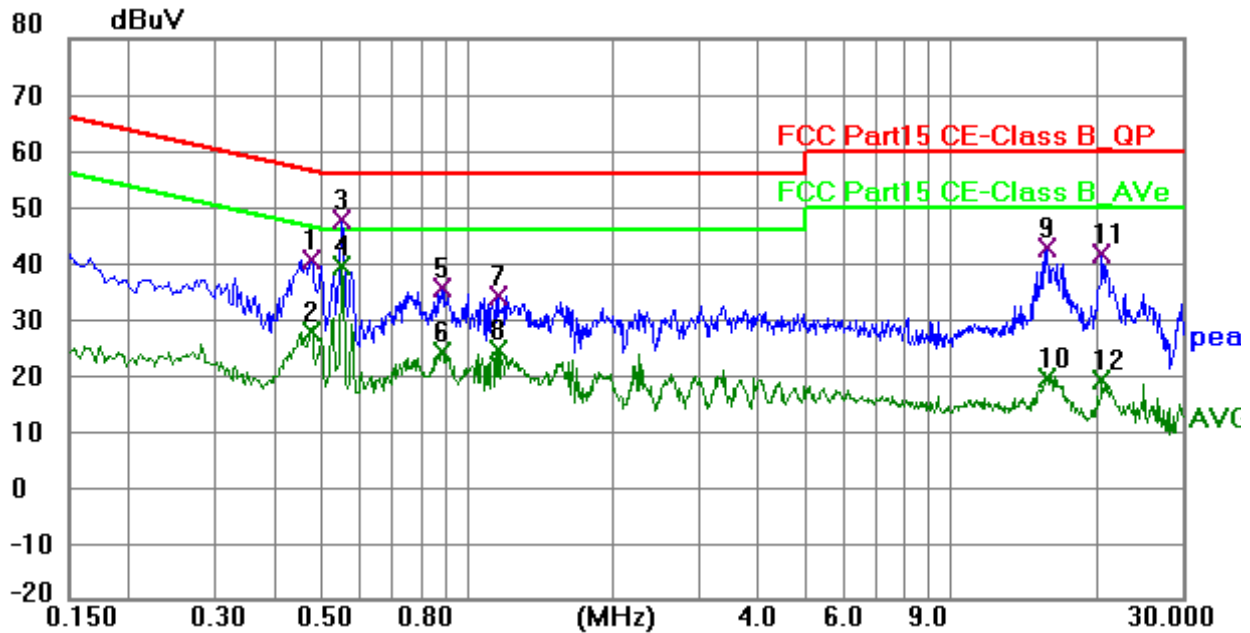
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.4740	30.18	10.36	40.54	56.44	-15.90	QP	P
2	0.4740	17.44	10.36	27.80	46.44	-18.64	AVG	P
3	0.5500	37.17	10.38	47.55	56.00	-8.45	QP	P
4	0.5500	28.96	10.38	39.34	46.00	-6.66	AVG	P
5	0.8820	25.28	10.39	35.67	56.00	-20.33	QP	P
6	0.8820	13.87	10.39	24.26	46.00	-21.74	AVG	P
7	1.1539	23.89	10.37	34.26	56.00	-21.74	QP	P
8	1.1539	13.95	10.37	24.32	46.00	-21.68	AVG	P
9	15.8100	32.14	10.43	42.57	60.00	-17.43	QP	P
10	15.8100	8.94	10.43	19.37	50.00	-30.63	AVG	P
11	20.4140	31.30	10.48	41.78	60.00	-18.22	QP	P
12	20.4140	8.65	10.48	19.13	50.00	-30.87	AVG	P

Note: Margin=Reading level+ Factor–Limit

Factor=LISN Factor + Cable Factor

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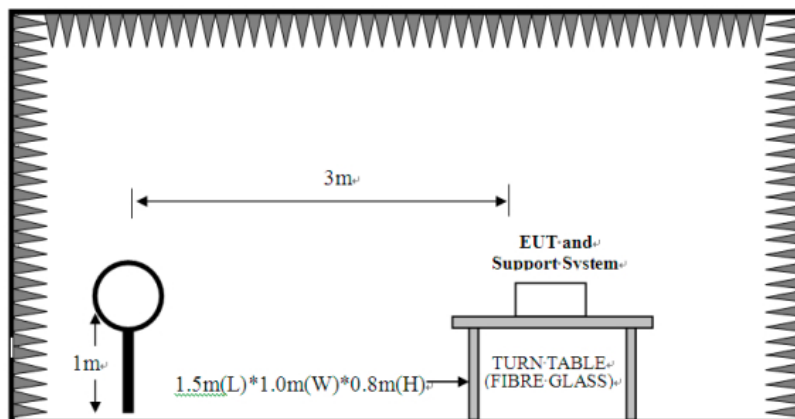
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2020+Cor 1-2023+C63.10a-2024 + Errata to C63.10a-2024.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a “QP” in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



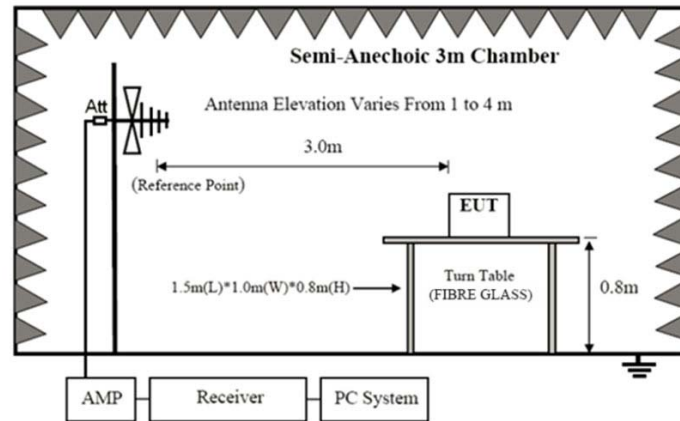
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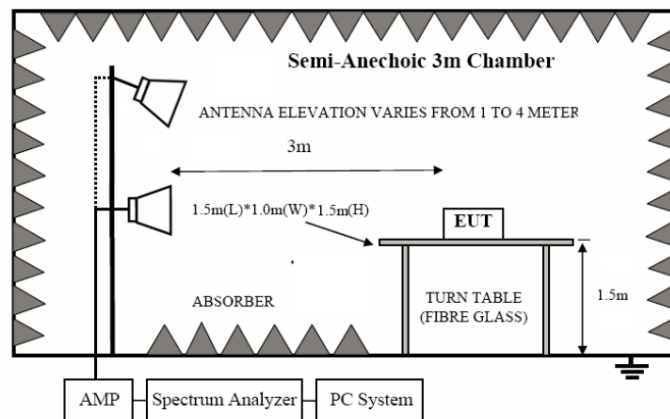
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For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation.

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Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.049	3	$20\log(2400/F(\text{kHz})) + 40\log(300/3)$
0.490-1.705	3	$20\log(24000/F(\text{kHz})) + 40\log(30/3)$
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- Note:
1. RF Voltage (dBuV) = $20 \log$ RF Voltage (μ V)
 2. In the Above Table, the higher limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
 4. Worse case were recorded in the test report. 802.11g was the worst case.
 5. For the radiated emissions from 30MHz-1000MHz, only the worst case was recorded and the middle channel (2437MHz) was the worst case.

Note: Only the worst case was recorded in the test report.

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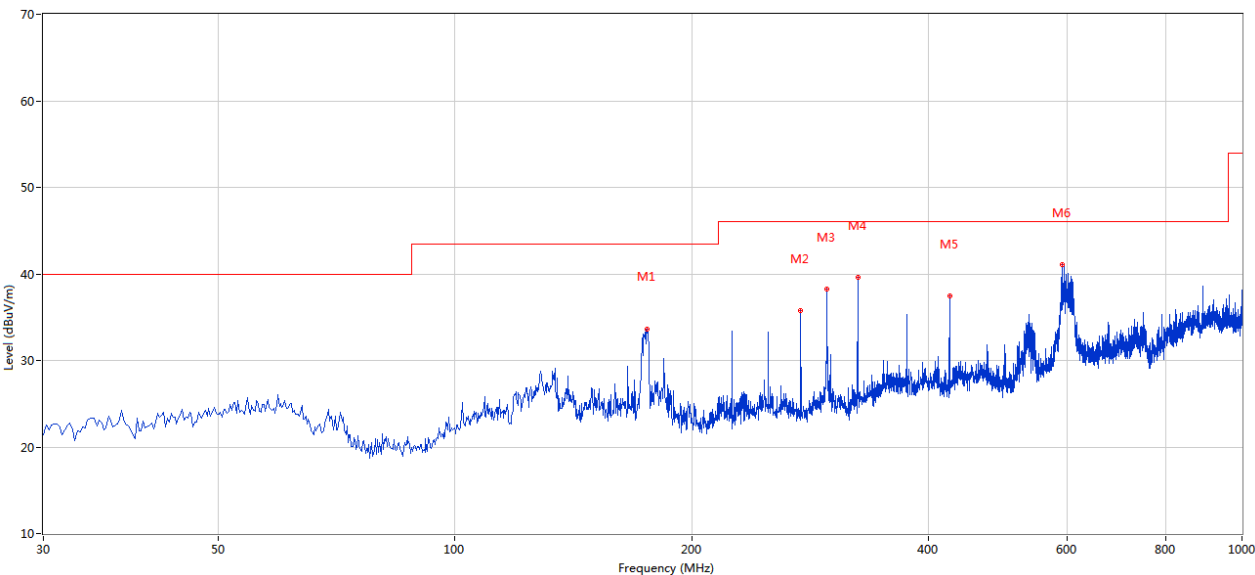
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Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**
Test Channel: Middle (2437MHz)
Results: **Pass**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	175.258	33.58	-11.52	40.0	6.42	Peak	262.00	100	Horizontal	Pass
2	274.925	35.81	-8.66	47.0	11.19	Peak	309.00	100	Horizontal	Pass
3	296.992	38.30	-7.54	47.0	8.70	Peak	120.00	100	Horizontal	Pass
4	324.880	39.59	-7.28	47.0	7.41	Peak	154.00	100	Horizontal	Pass
5	425.033	37.41	-4.66	47.0	9.59	Peak	256.00	100	Horizontal	Pass
6	590.417	41.09	-2.06	47.0	5.91	Peak	181.00	100	Horizontal	Pass

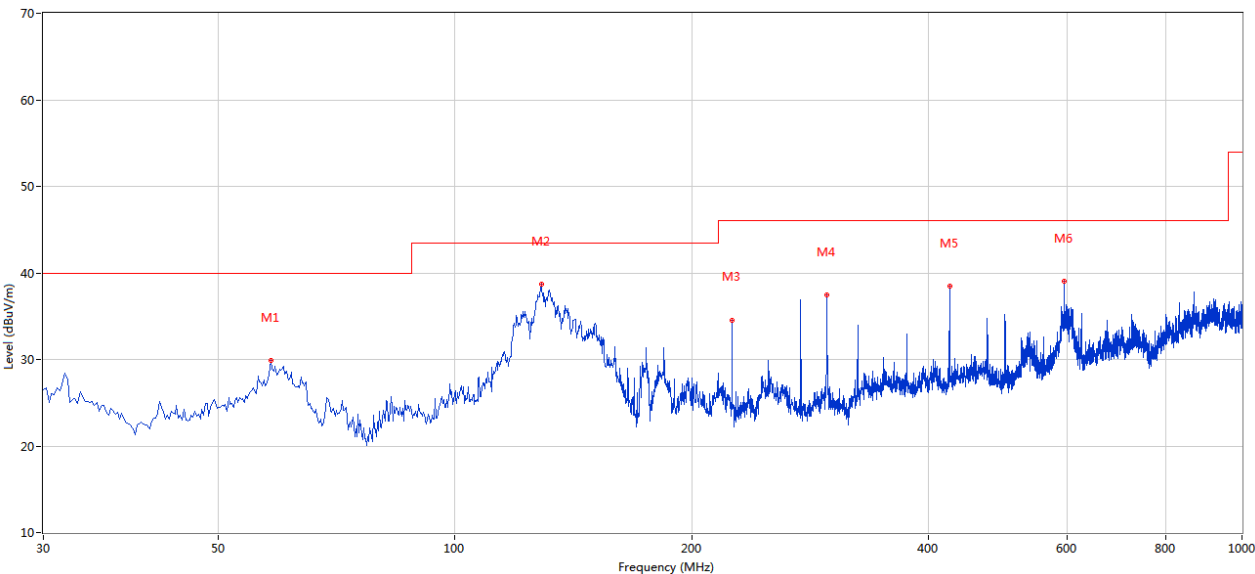
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Test result
General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting**
Test Channel: Middle (2437MHz)
Results: **Pass**



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	58.373	29.89	-8.70	40.0	10.11	Peak	301.00	100	Vertical	Pass
2	128.697	38.72	-10.97	43.5	4.78	Peak	70.00	100	Vertical	Pass
3	224.970	34.55	-10.23	46.0	11.45	Peak	324.00	100	Vertical	Pass
4	296.992	37.45	-7.54	46.0	8.55	Peak	316.00	100	Vertical	Pass
5	425.033	38.48	-4.66	46.0	7.52	Peak	55.00	100	Vertical	Pass
6	594.055	39.04	-2.35	46.0	6.96	Peak	211.00	100	Vertical	Pass

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Operation Mode: Transmitting under CH01 for 802.11b mode

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
4824.00	60.7 (PK) / 44.6(AV)	H	74(Peak)/ 54(AV)
4824.00	56.1 (PK) / 40.2(AV)	V	74(Peak)/ 54(AV)
7236.00	--	H/V	74(Peak)/ 54(AV)
9648.00	--	H/V	74(Peak)/ 54(AV)
12060	--	H/V	74(Peak)/ 54(AV)
14472	--	H/V	74(Peak)/ 54(AV)
16884	--	H/V	74(Peak)/ 54(AV)
19296	--	H/V	74(Peak)/ 54(AV)
21708	--	H/V	74(Peak)/ 54(AV)
24120	--	H/V	74(Peak)/ 54(AV)

Operation Mode: Transmitting under CH06 for 802.11b mode

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
4874.00	61.2 (PK)/ 45.6 (AV)	H	74(Peak)/ 54(AV)
4874.00	56.7 (PK)/ 41.3(AV)	V	74(Peak)/ 54(AV)
7311.00	--	H/V	74(Peak)/ 54(AV)
9748.00	--	H/V	74(Peak)/ 54(AV)
12185	--	H/V	74(Peak)/ 54(AV)
14622	--	H/V	74(Peak)/ 54(AV)
17059	--	H/V	74(Peak)/ 54(AV)
19496	--	H/V	74(Peak)/ 54(AV)
21933	--	H/V	74(Peak)/ 54(AV)
24370	--	H/V	74(Peak)/ 54(AV)

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Operation Mode: Transmitting under CH11 for 802.11b mode

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
4924	60.6(PK) / 44.1 (AV)	H	74(Peak)/ 54(AV)
4924	55.7 (PK) / 40.6 (AV)	V	74(Peak)/ 54(AV)
7368	--	H/V	74(Peak)/ 54(AV)
9848	--	H/V	74(Peak)/ 54(AV)
12310	--	H/V	74(Peak)/ 54(AV)
14772	--	H/V	74(Peak)/ 54(AV)
17234	--	H/V	74(Peak)/ 54(AV)
19696	--	H/V	74(Peak)/ 54(AV)
22158	--	H/V	74(Peak)/ 54(AV)
24620	--	H/V	74(Peak)/ 54(AV)

Note: 1. Result Level = Reading + Factor

2. Factor= AF + Cable Loss- Preamp

3. Margin = Result– Limit

4. For radiated Emissions from 18-25GHz and below 30MHz, it is only the floor noise and less than the limit for more than 20dB. No necessary to take down.

5. Note: the final peak measurement results less than the AV limit. No necessary to take down the final AV measurement result

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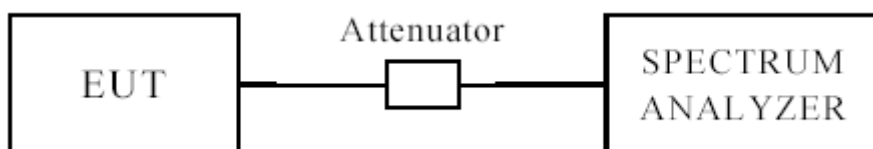
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7.0 6dB Bandwidth Measurement

7.1 Test Setup



7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

7.3 Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.4 Test Result

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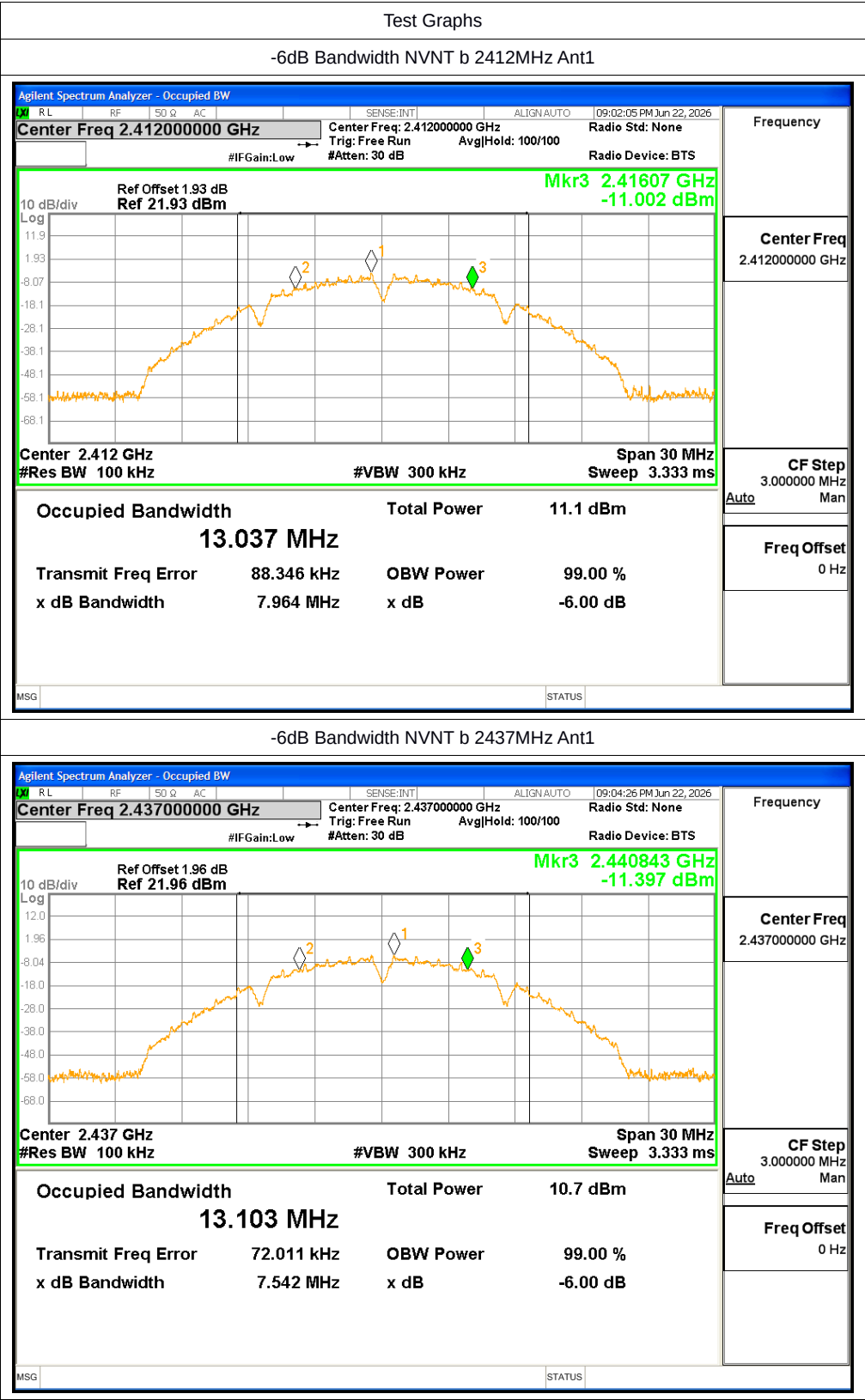
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6dB Occupied Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.964	0.5	Pass
		2437		7.542	0.5	Pass
		2462		7.516	0.5	Pass
	g	2412		15.072	0.5	Pass
		2437		14.304	0.5	Pass
		2462		15.298	0.5	Pass
	n20	2412		12.601	0.5	Pass
		2437		16.772	0.5	Pass
		2462		17.172	0.5	Pass
	n40	2422		32.853	0.5	Pass
		2437		35.027	0.5	Pass
		2452		30.03	0.5	Pass
	ax20	2412		10.06	0.5	Pass
		2437		13.793	0.5	Pass
		2462		15.685	0.5	Pass
	ax40	2422		35.512	0.5	Pass
		2437		34.98	0.5	Pass
		2452		31.662	0.5	Pass

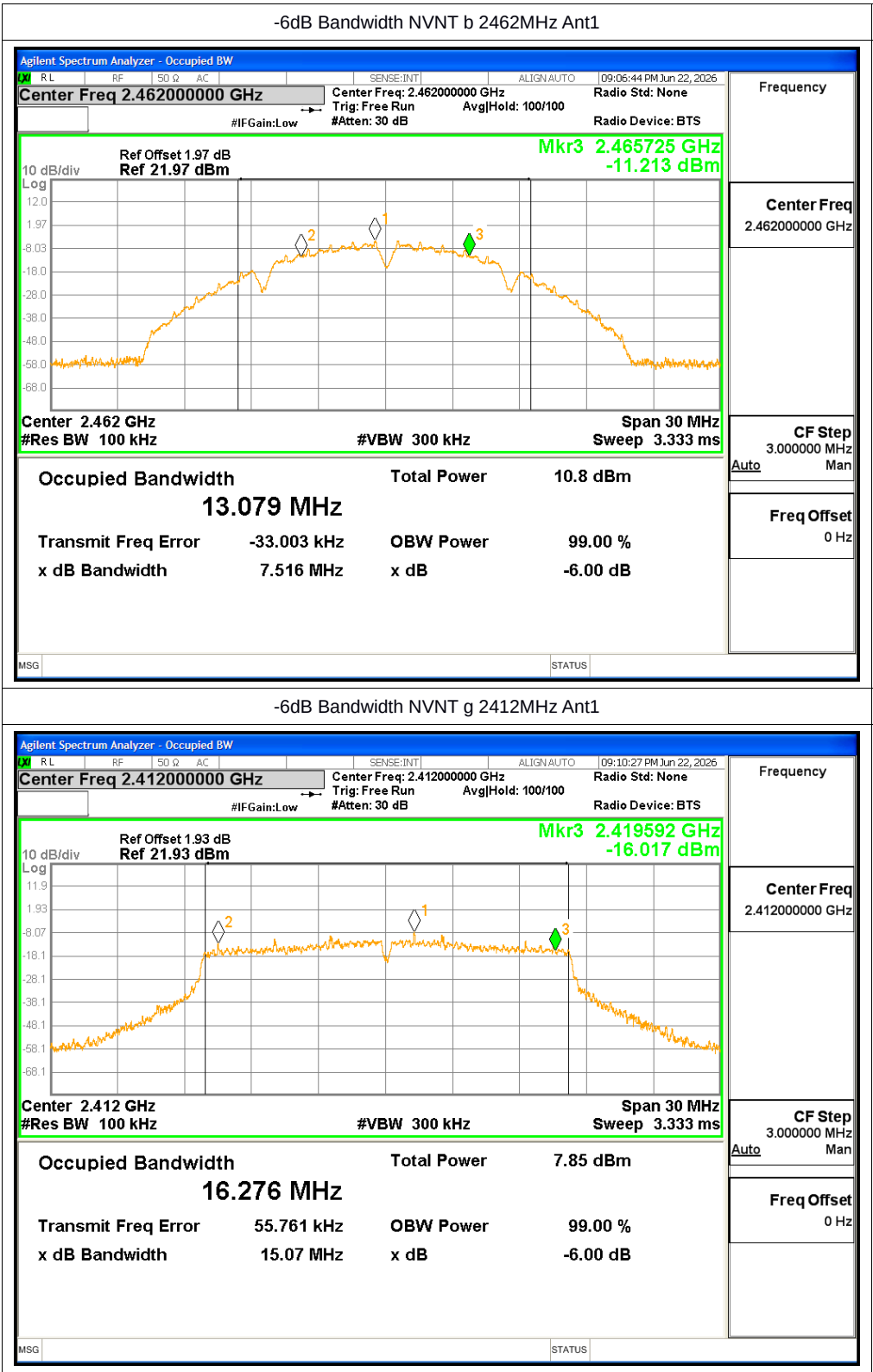
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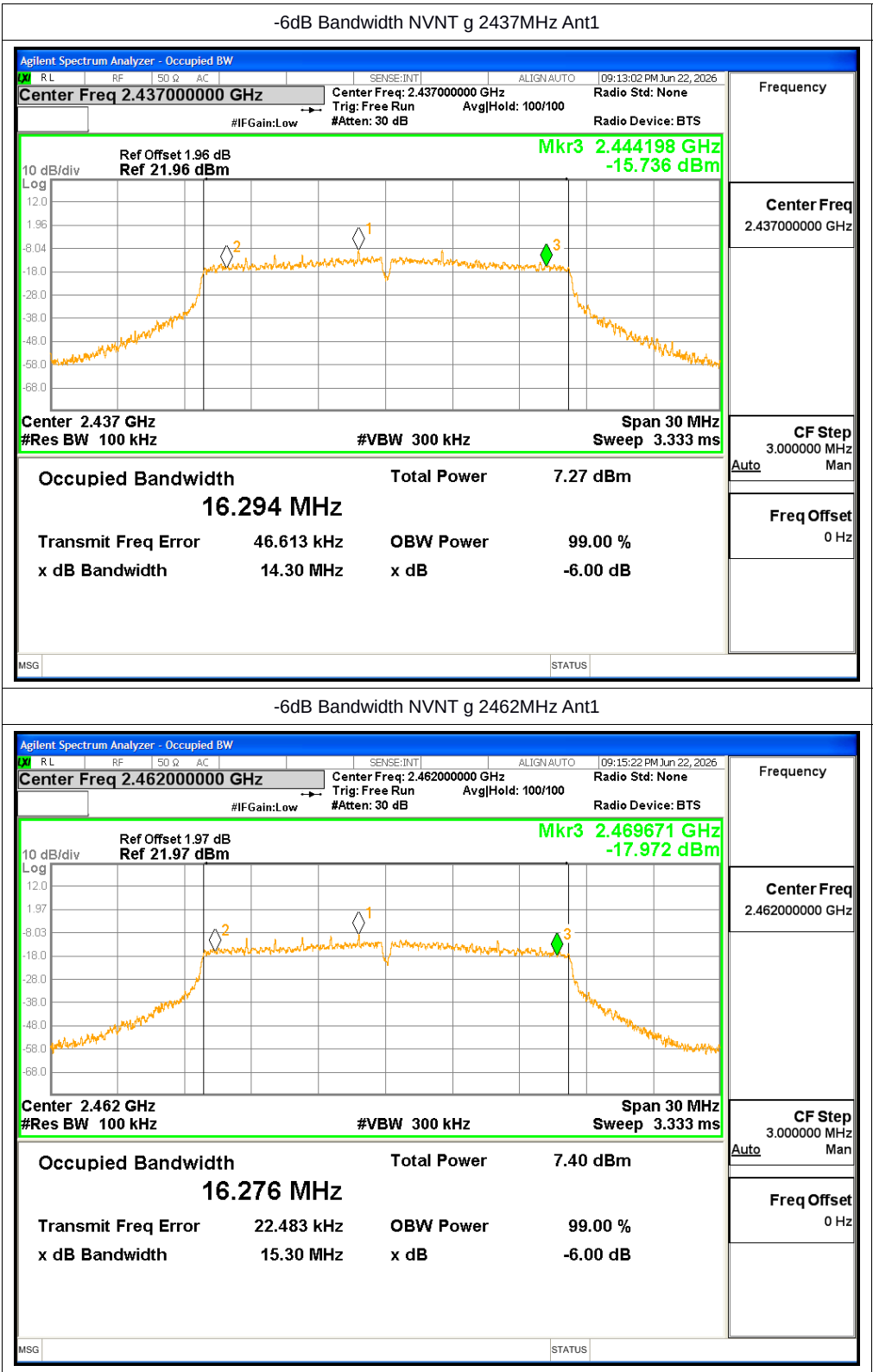
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

09:15:22 PM Jun 22, 2026

Center Freq 2.462000000 GHz

Center Freq: 2.462000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#IF Gain: Low

#Atten: 30 dB

Radio Device: BTS

10 dB/div

Log

Ref Offset 1.97 dB

Ref 21.97 dBm

Mkr3 2.469671 GHz

-17.972 dBm

Center 2.462 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 30 MHz

Sweep 3.333 ms

Occupied Bandwidth

16.276 MHz

Total Power

7.40 dBm

Transmit Freq Error

22.483 kHz

OBW Power

99.00 %

x dB Bandwidth

15.30 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

2.462000000 GHz

CF Step

3.000000 MHz

Auto

Man

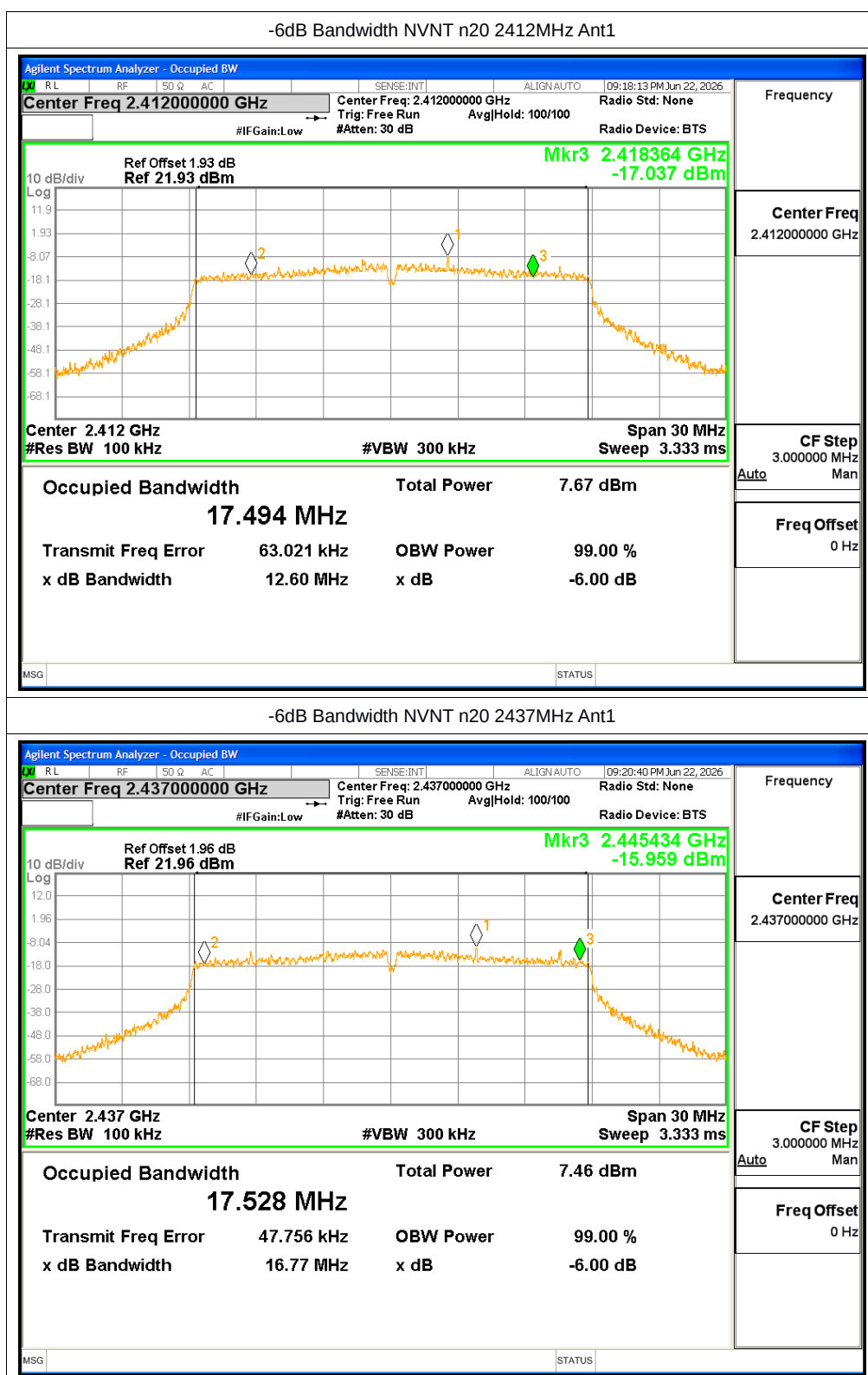
Freq Offset

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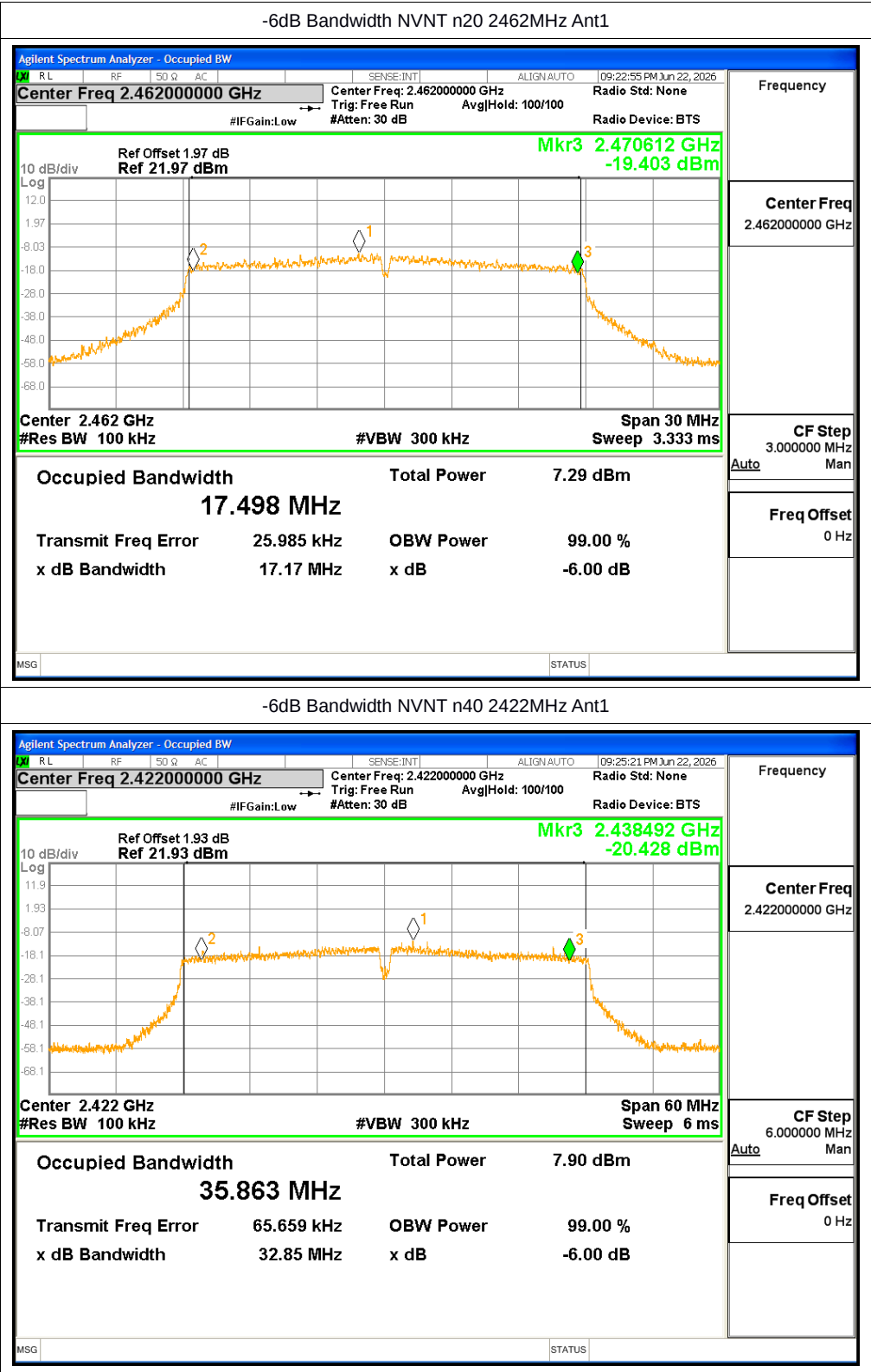
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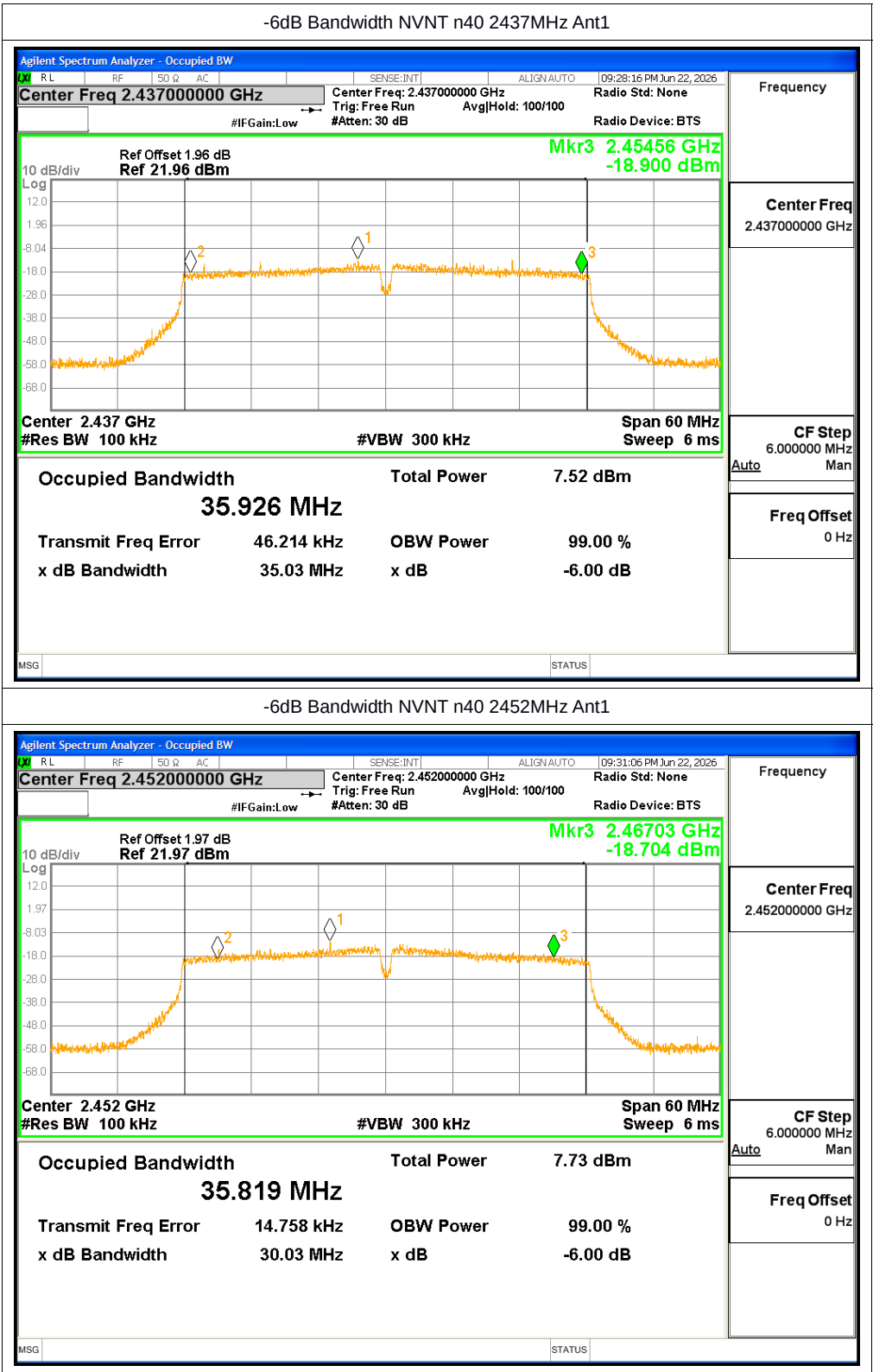
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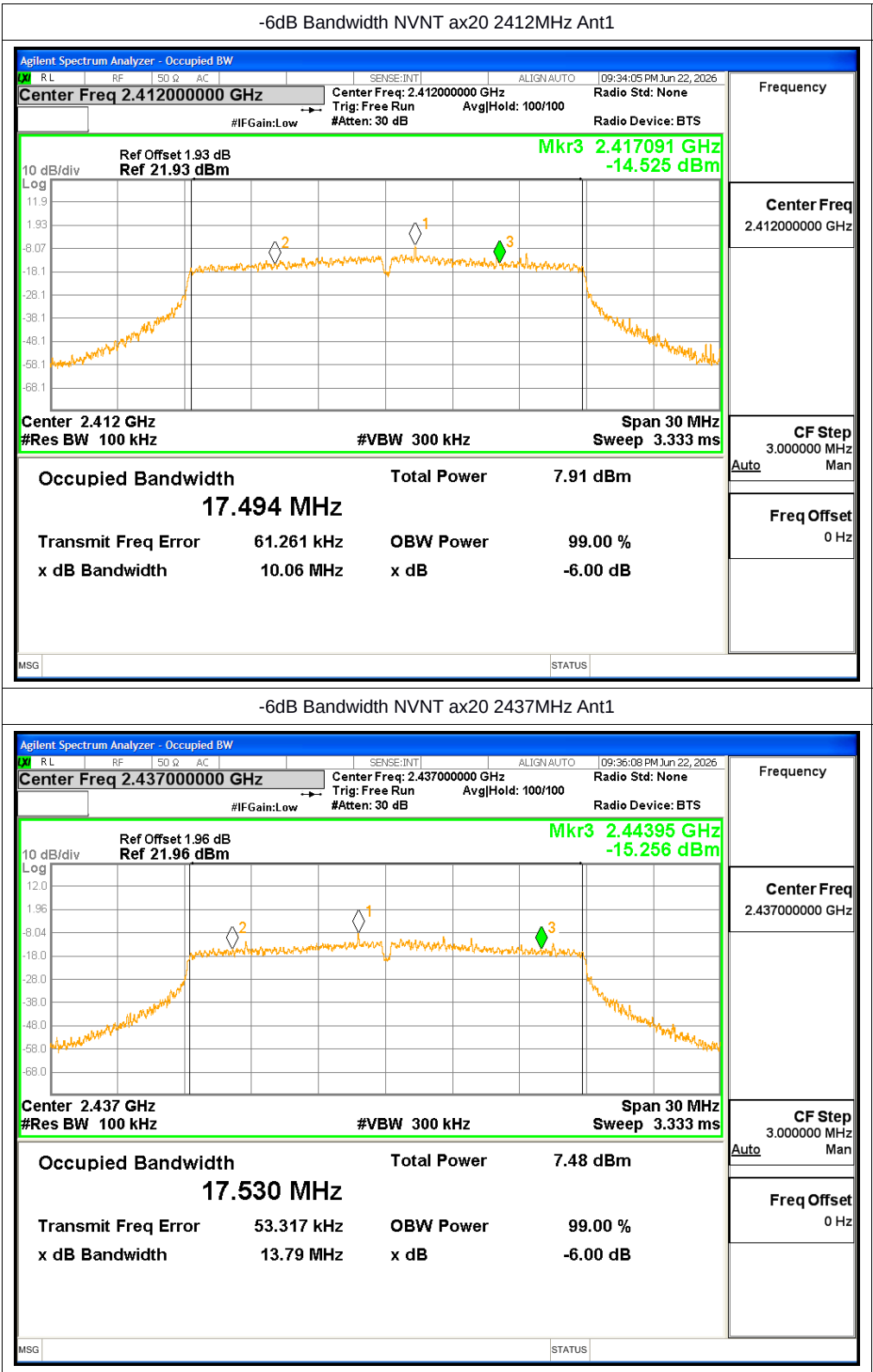
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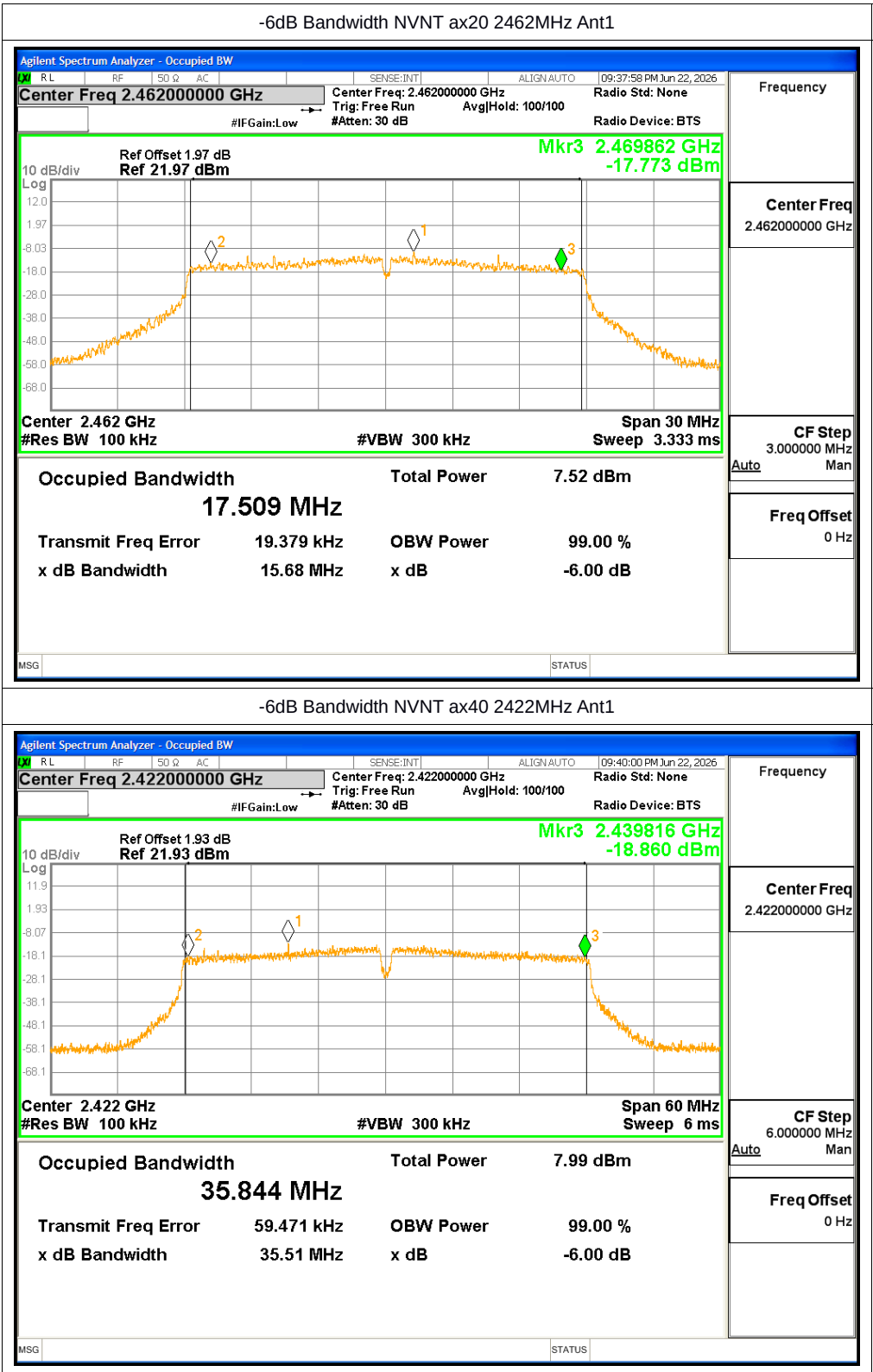
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

09:40:00 PM Jun 22, 2026

Center Freq 2.422000000 GHz

Center Freq: 2.422000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#IFGain: Low

#Atten: 30 dB

Radio Device: BTS

10 dB/div

Log

Ref Offset 1.93 dB

Ref 21.93 dBm

Mkr3 2.439816 GHz

-18.860 dBm

Center 2.422 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 6 ms

Occupied Bandwidth

35.844 MHz

Total Power

7.99 dBm

Transmit Freq Error

59.471 kHz

OBW Power

99.00 %

x dB Bandwidth

35.51 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

2.422000000 GHz

CF Step

6.000000 MHz

Auto

Man

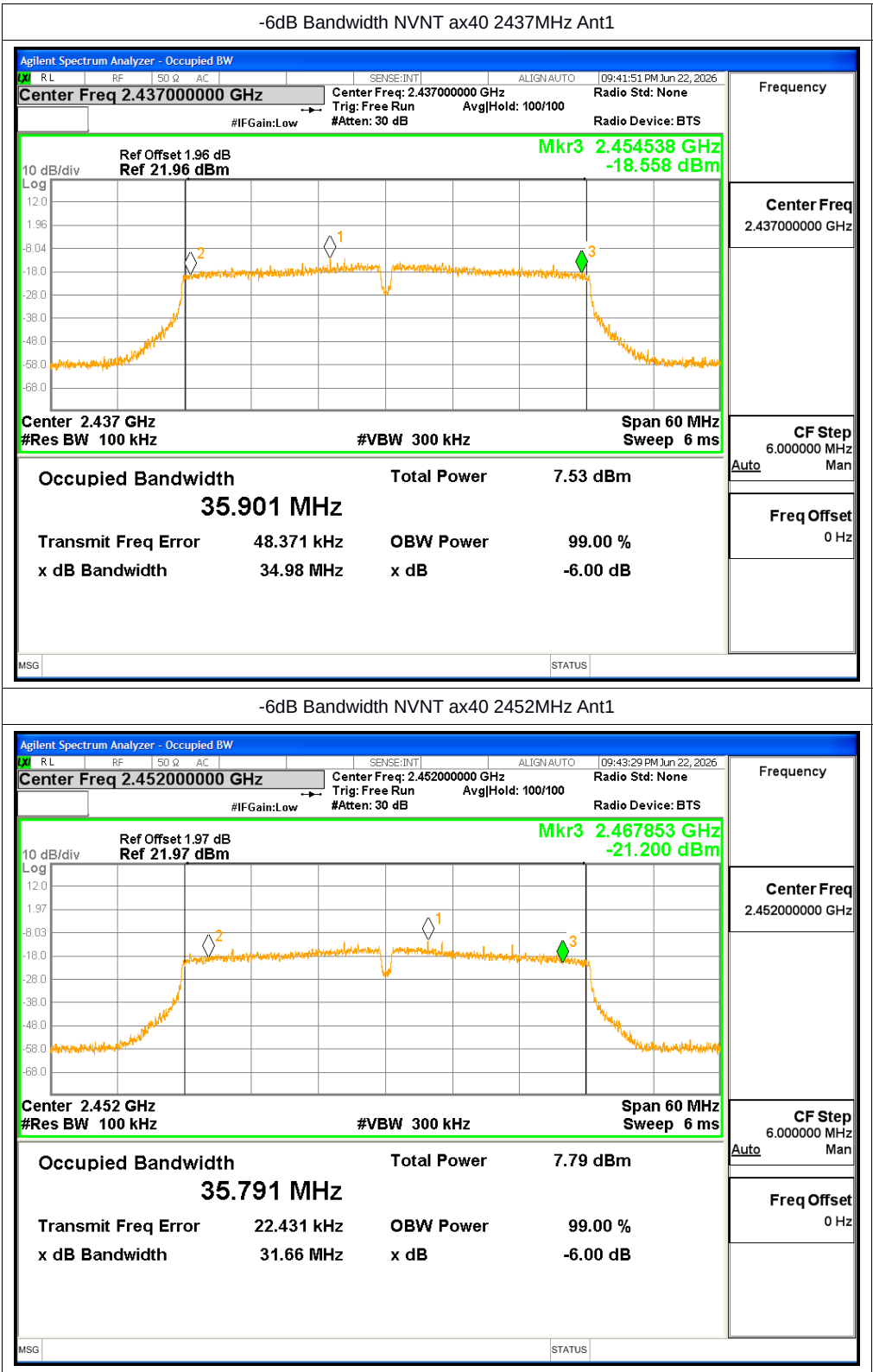
Freq Offset

0 Hz

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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

09:43:29 PM Jun 22, 2026

Center Freq 2.452000000 GHz

Center Freq: 2.452000000 GHz

Radio Std: None

#IF Gain: Low

Trig: Free Run

Avg/Hold: 100/100

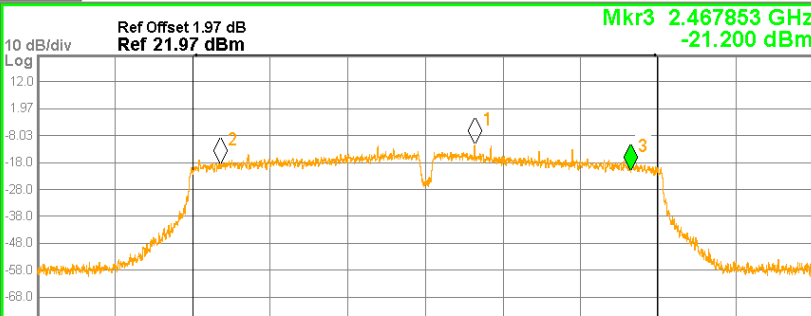
Radio Device: BTS

Ref Offset 1.97 dB

Ref 21.97 dBm

Mkr3 2.467853 GHz

-21.200 dBm



Center 2.452 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 6 ms

Occupied Bandwidth

35.791 MHz

Total Power

7.79 dBm

Transmit Freq Error

22.431 kHz

OBW Power

99.00 %

x dB Bandwidth

31.66 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

2.452000000 GHz

CF Step

6.000000 MHz

Auto

Man

Freq Offset

0 Hz

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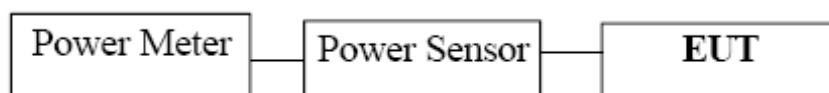
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8. Maximum Output Power

8.1 Test Setup



8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: The PK power was measured

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8.4 Test Results

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	7.98	0	7.98	30	Pass
		2437		7.58	0	7.58	30	Pass
		2462		7.62	0	7.62	30	Pass
	g	2412		9.06	0	9.06	30	Pass
		2437		8.57	0	8.57	30	Pass
		2462		8.68	0	8.68	30	Pass
	n20	2412		9.2	0	9.2	30	Pass
		2437		8.73	0	8.73	30	Pass
		2462		8.78	0	8.78	30	Pass
	n40	2422		9.07	0	9.07	30	Pass
		2437		8.67	0	8.67	30	Pass
		2452		8.95	0	8.95	30	Pass
	ax20	2412		9.34	0	9.34	30	Pass
		2437		8.84	0	8.84	30	Pass
		2462		8.97	0	8.97	30	Pass
	ax40	2422		9.34	0	9.34	30	Pass
		2437		8.94	0	8.94	30	Pass
		2452		9.15	0	9.15	30	Pass

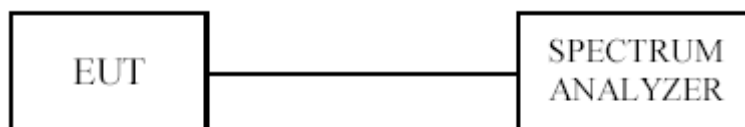
- Note: 1. The worst-cases were recorded
2. The result basic equation calculation as follow:
Power Output = Power Reading + Cable loss
3. The worse case was recorded

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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

9.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq$ 300 kHz.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be $\leq$ 8 dBm/3kHz.

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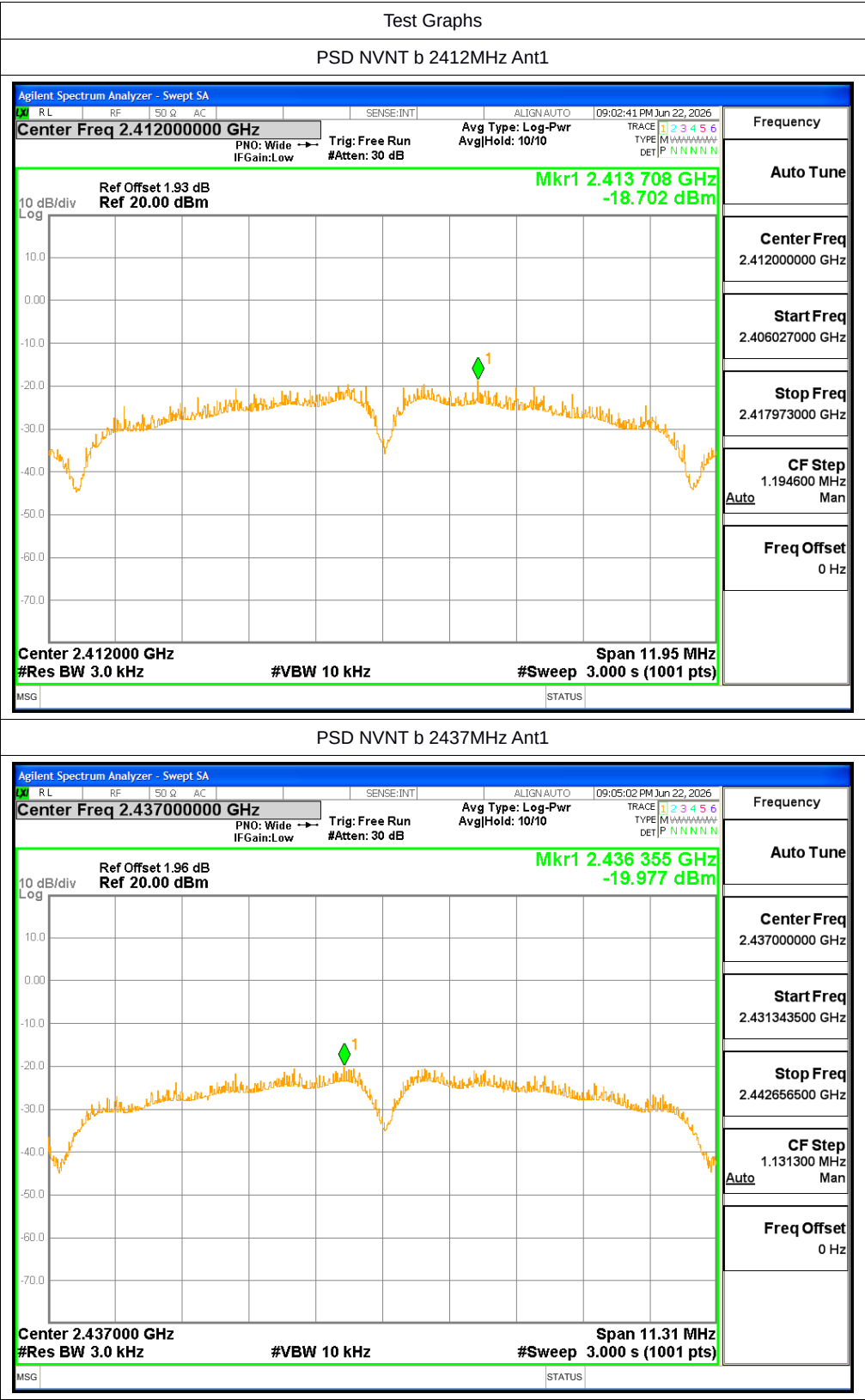
9.4 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-18.7	0	-18.7	8	Pass
		2437		-19.98	0	-19.98	8	Pass
		2462		-18.44	0	-18.44	8	Pass
	g	2412		-21.96	0	-21.96	8	Pass
		2437		-23.87	0	-23.87	8	Pass
		2462		-24.14	0	-24.14	8	Pass
	n20	2412		-22.7	0	-22.7	8	Pass
		2437		-22.06	0	-22.06	8	Pass
		2462		-22.5	0	-22.5	8	Pass
	n40	2422		-24.68	0	-24.68	8	Pass
		2437		-26.66	0	-26.66	8	Pass
		2452		-25.91	0	-25.91	8	Pass
	ax20	2412		-6.83	0	-6.83	8	Pass
		2437		-9.64	0	-9.64	8	Pass
		2462		-8.09	0	-8.09	8	Pass
	ax40	2422		-11.65	0	-11.65	8	Pass
		2437		-12.42	0	-12.42	8	Pass
		2452		-11.56	0	-11.56	8	Pass

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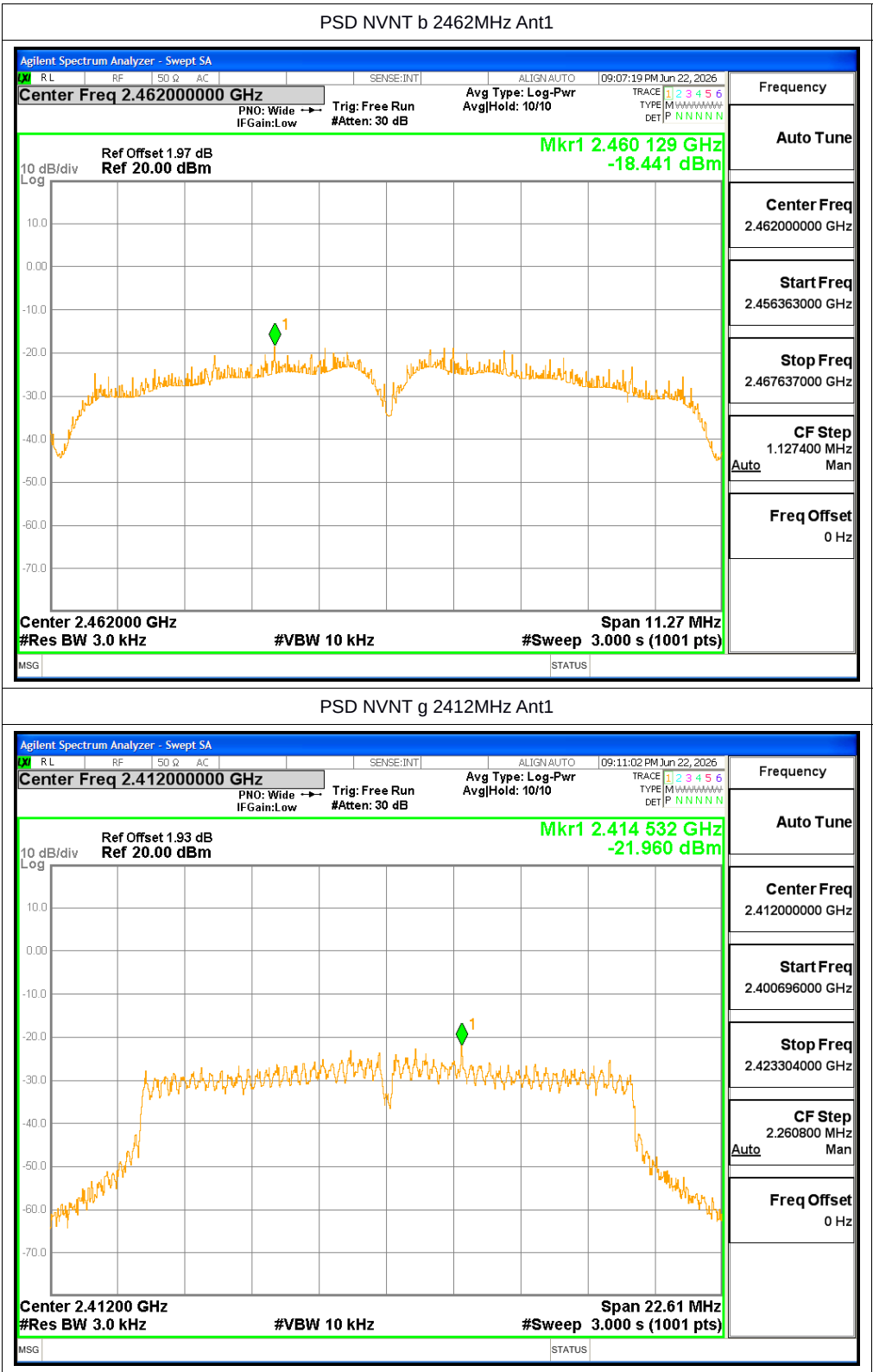
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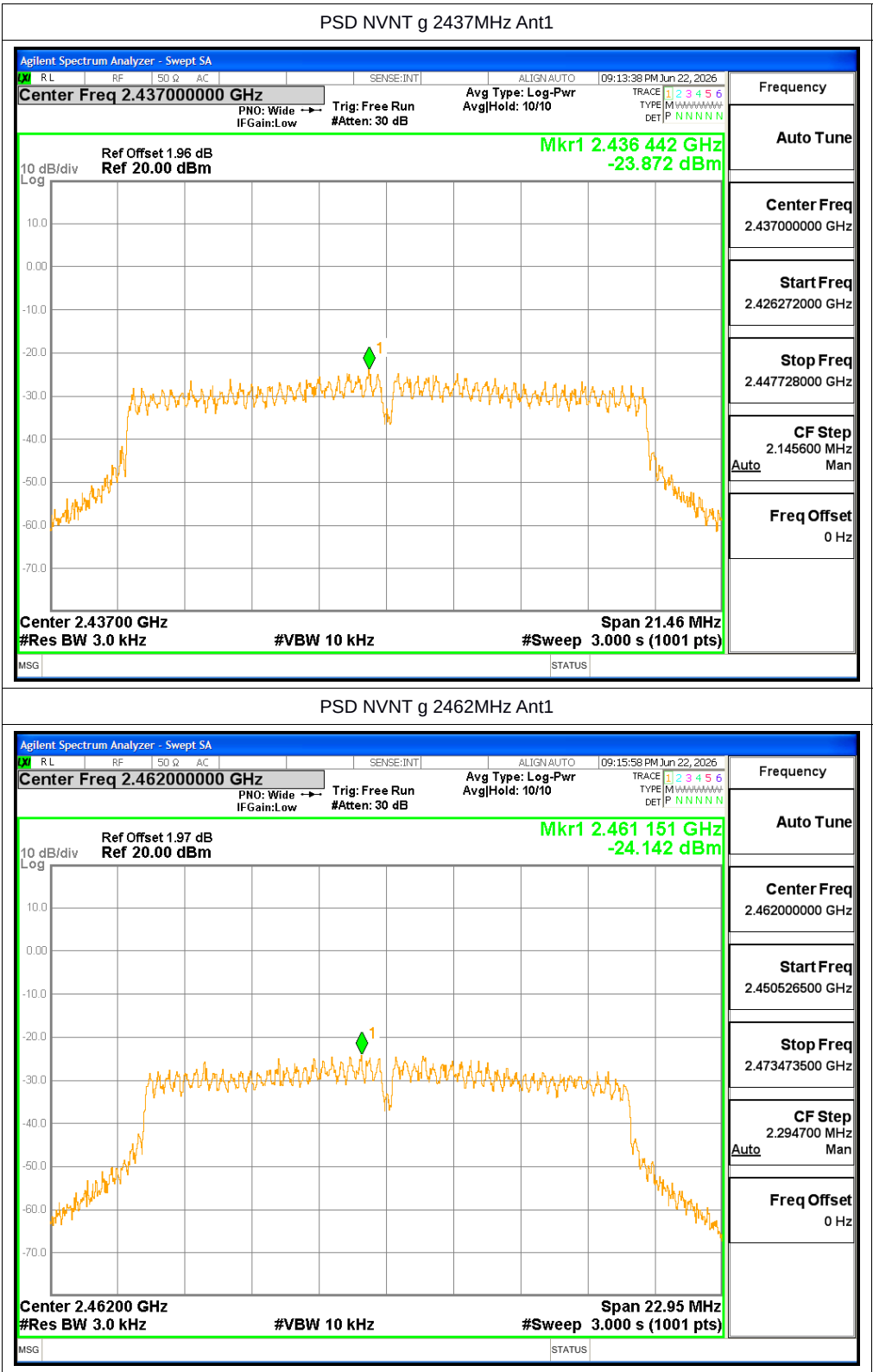
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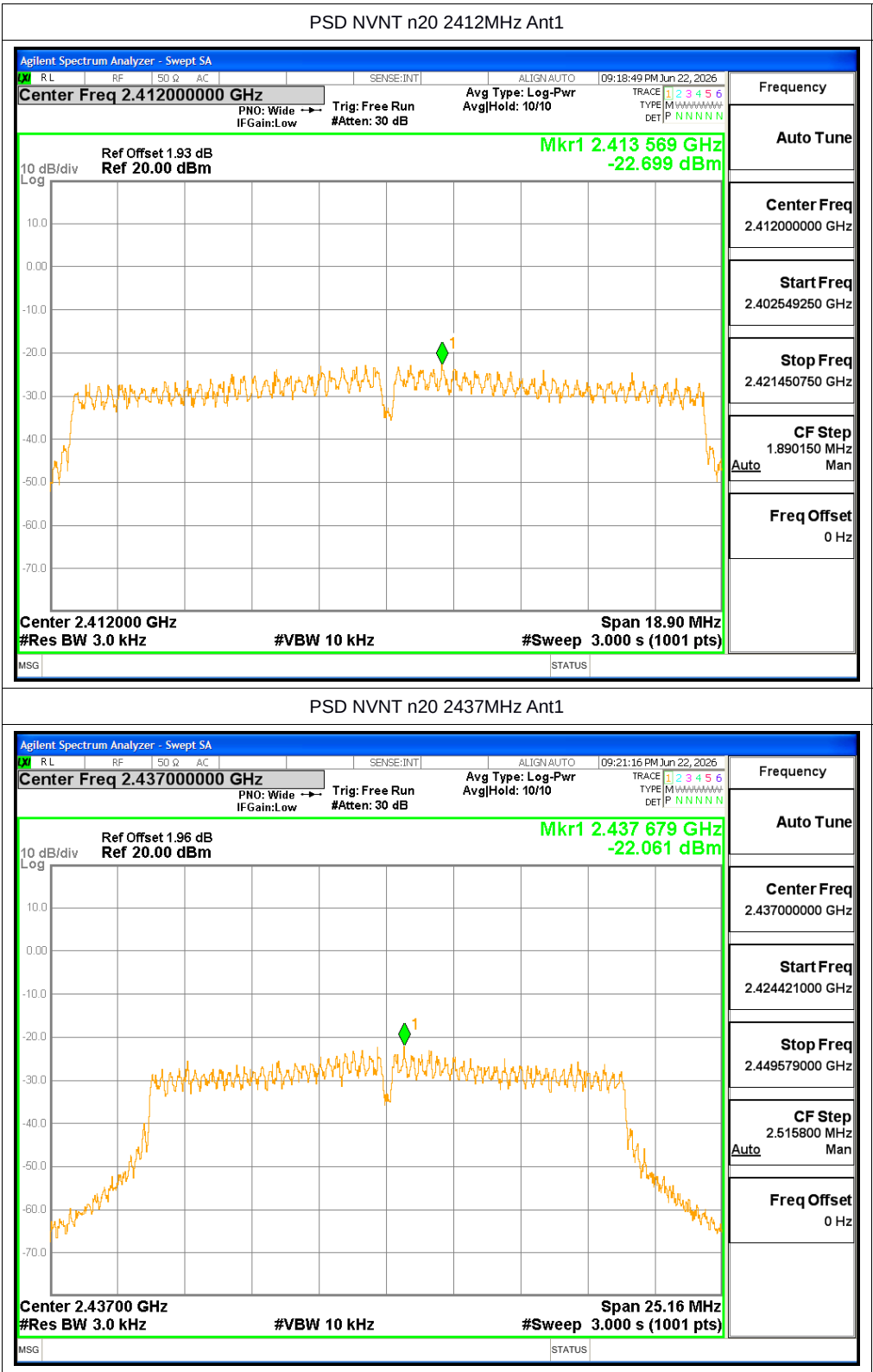
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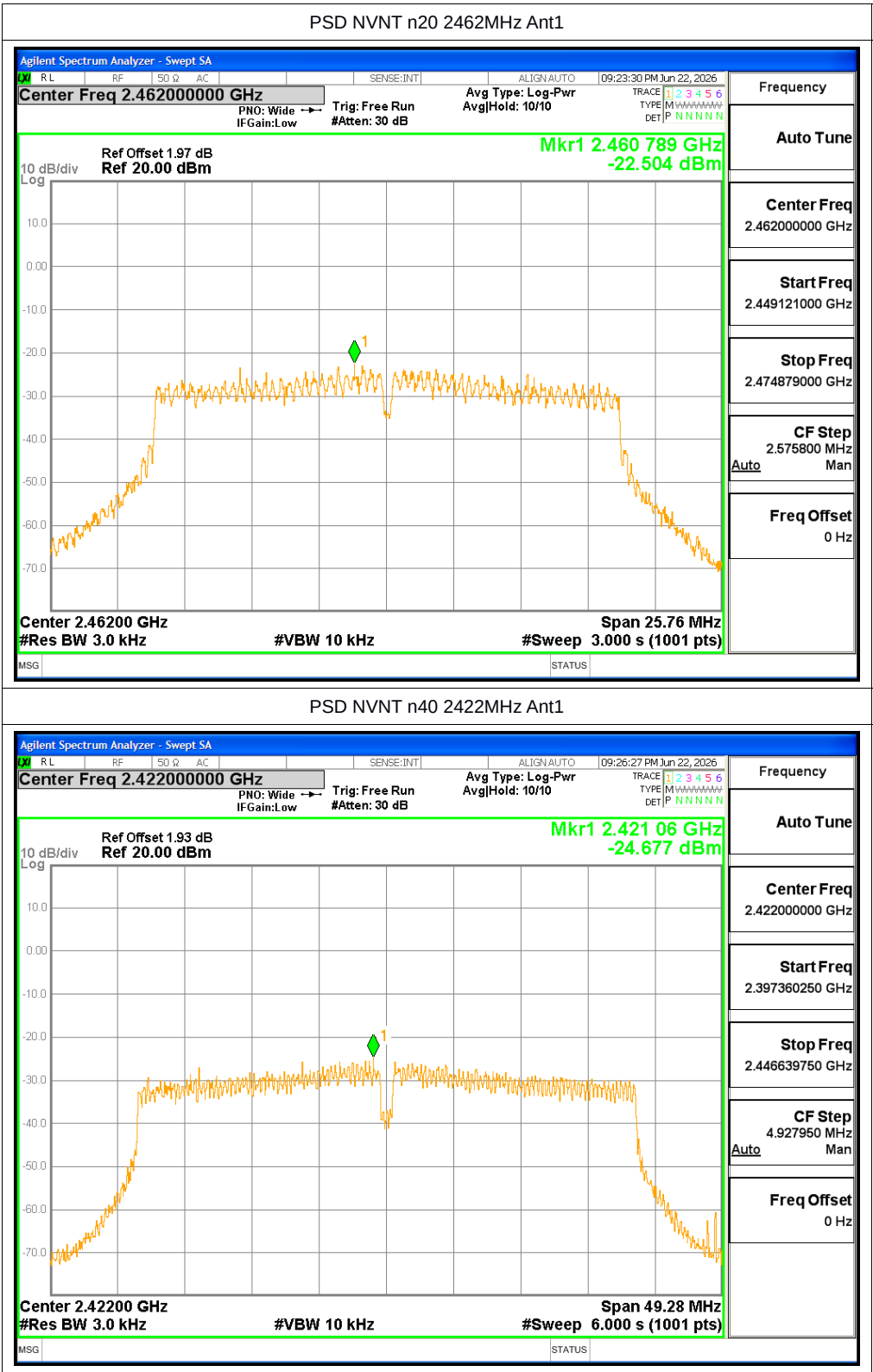
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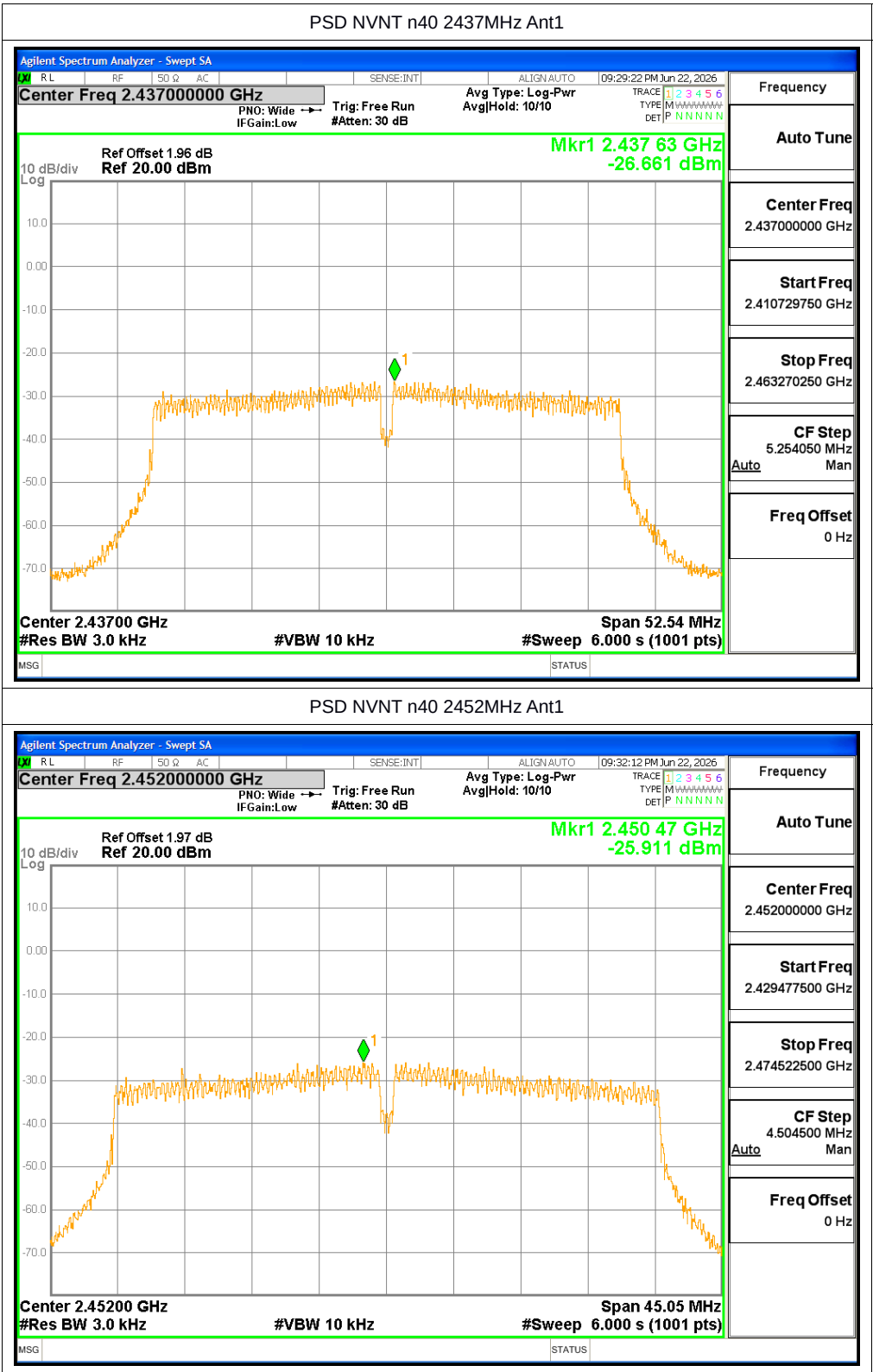
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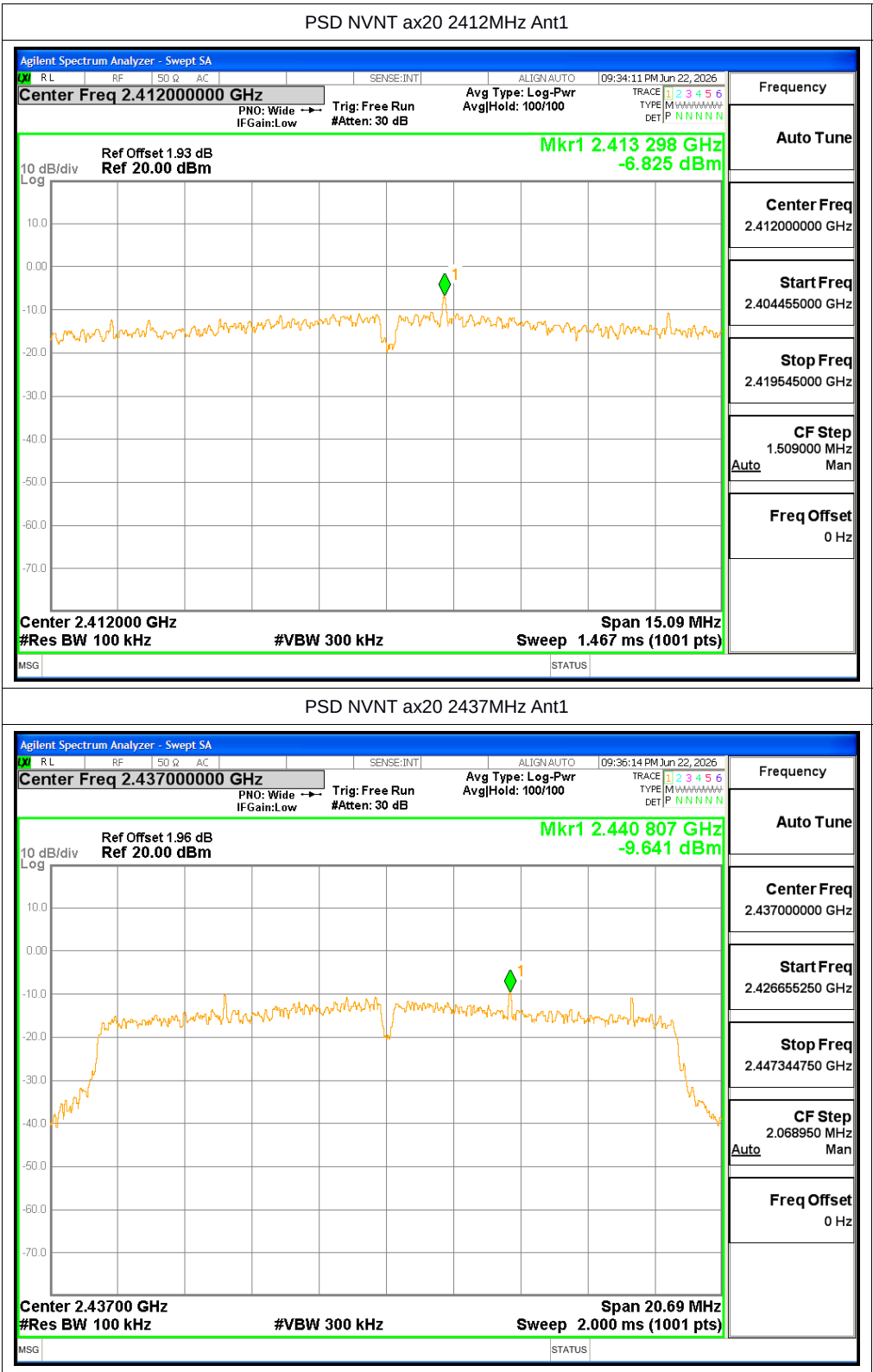
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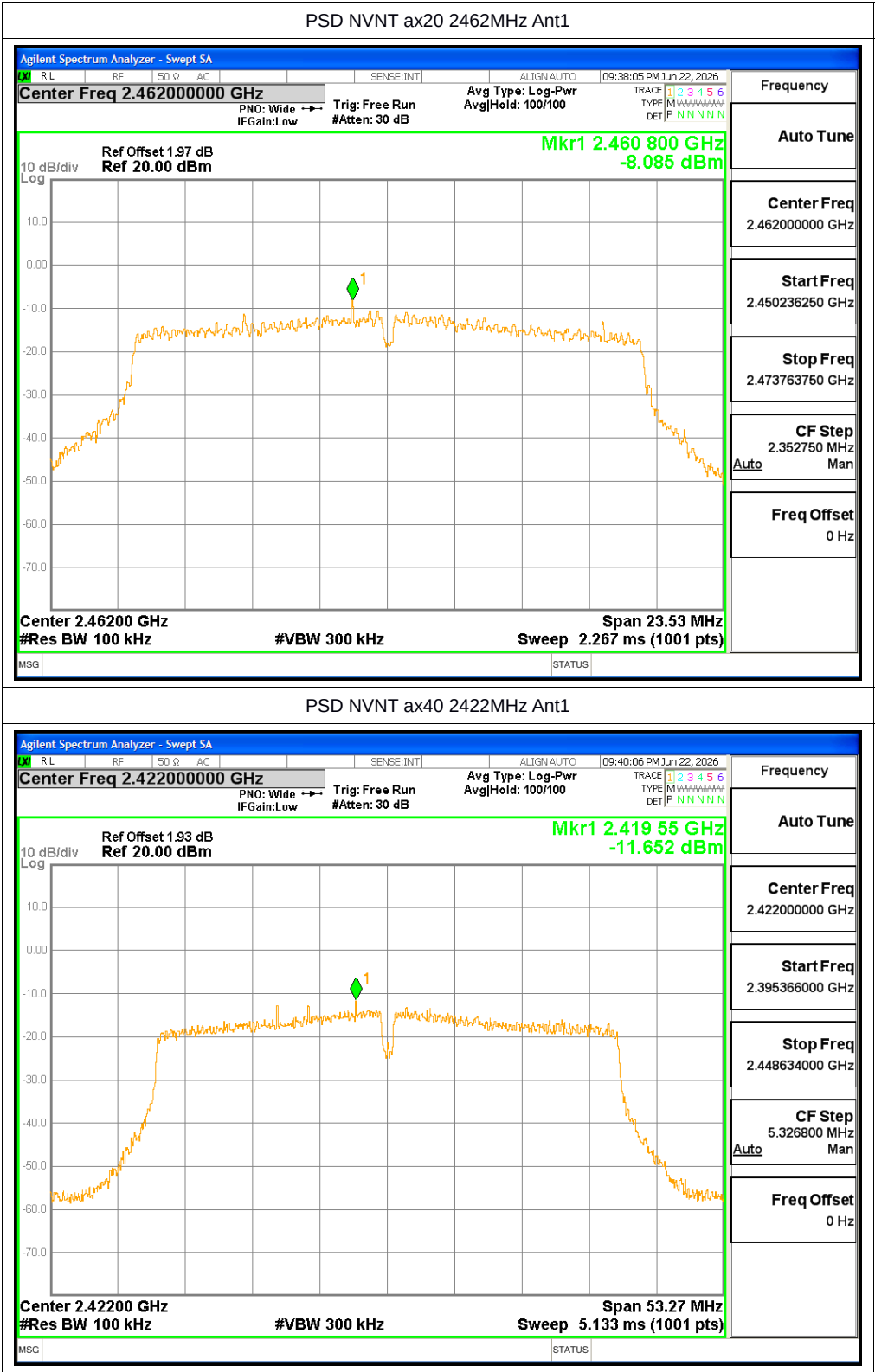
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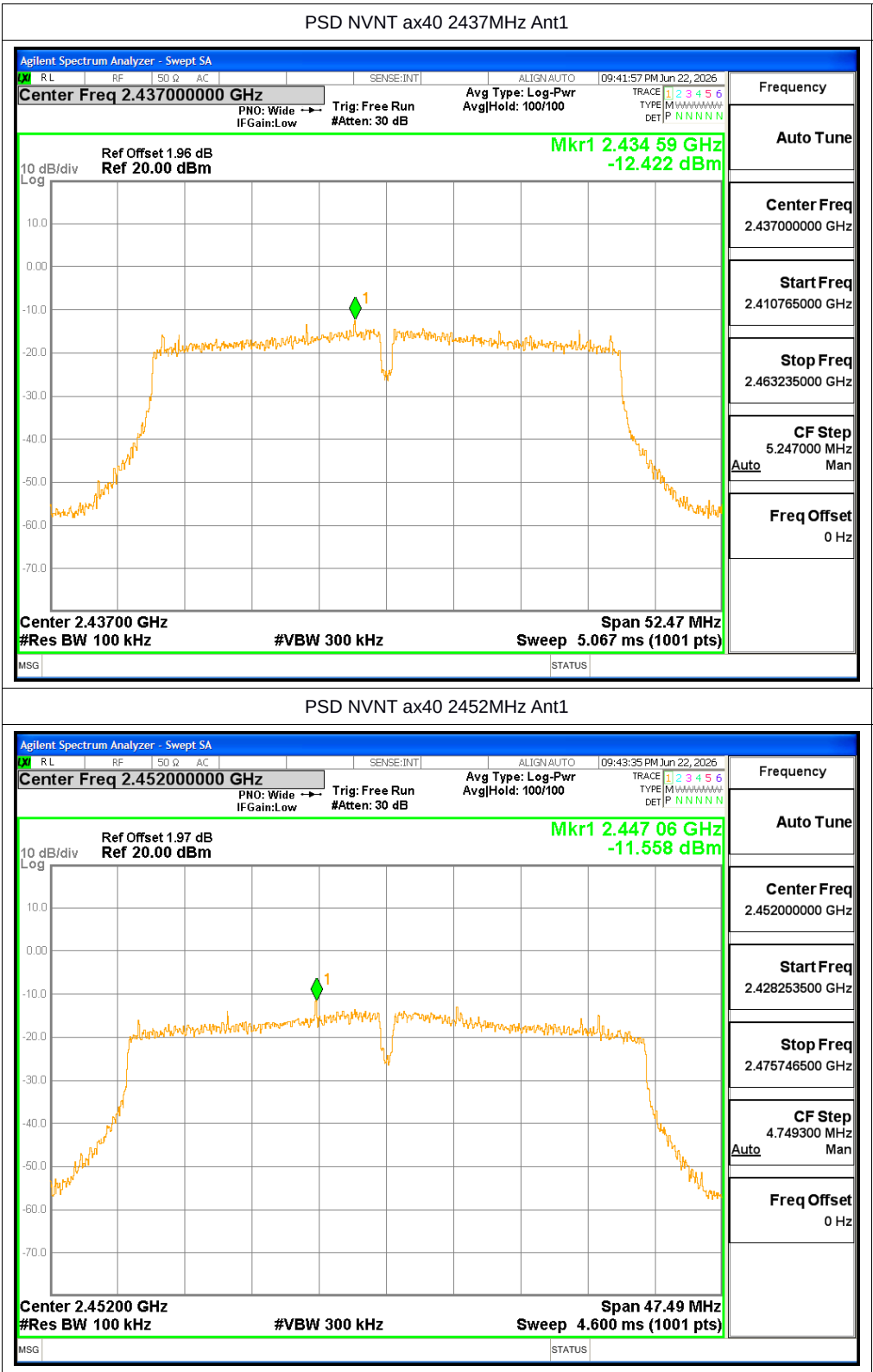
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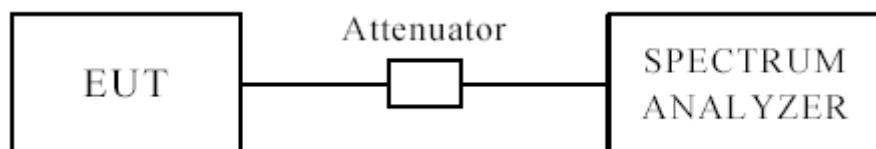
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10 Out of Band Measurement

10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

10.2 Limits of Out of Band Emissions Measurement

1. Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

10.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test. (Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=100, VBW=300 kHz. A conducted measurement used

10.4 Test Result

Please see next pages

Note: 1. for band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

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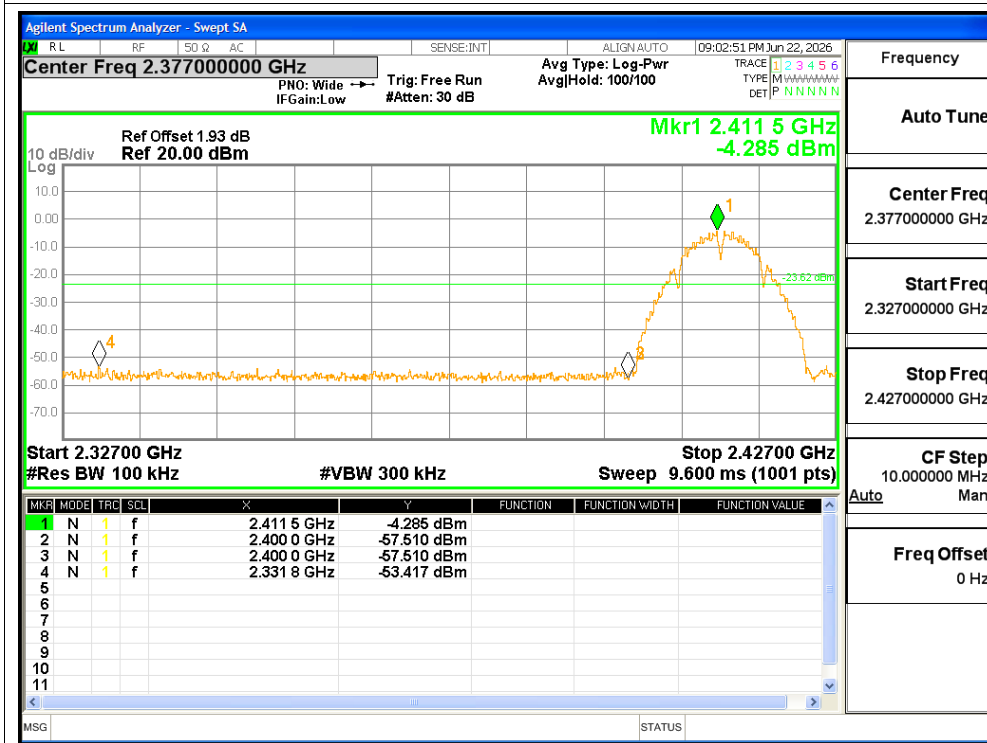
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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.79	-20	Pass
		2462		-49.96	-20	Pass
	g	2412		-38.92	-20	Pass
		2462		-44.94	-20	Pass
	n20	2412		-37.14	-20	Pass
		2462		-45.23	-20	Pass
	n40	2422		-40.95	-20	Pass
		2452		-40.67	-20	Pass
	ax20	2412		-38.89	-20	Pass
		2462		-44.12	-20	Pass
	ax40	2422		-40.61	-20	Pass
		2452		-41.81	-20	Pass

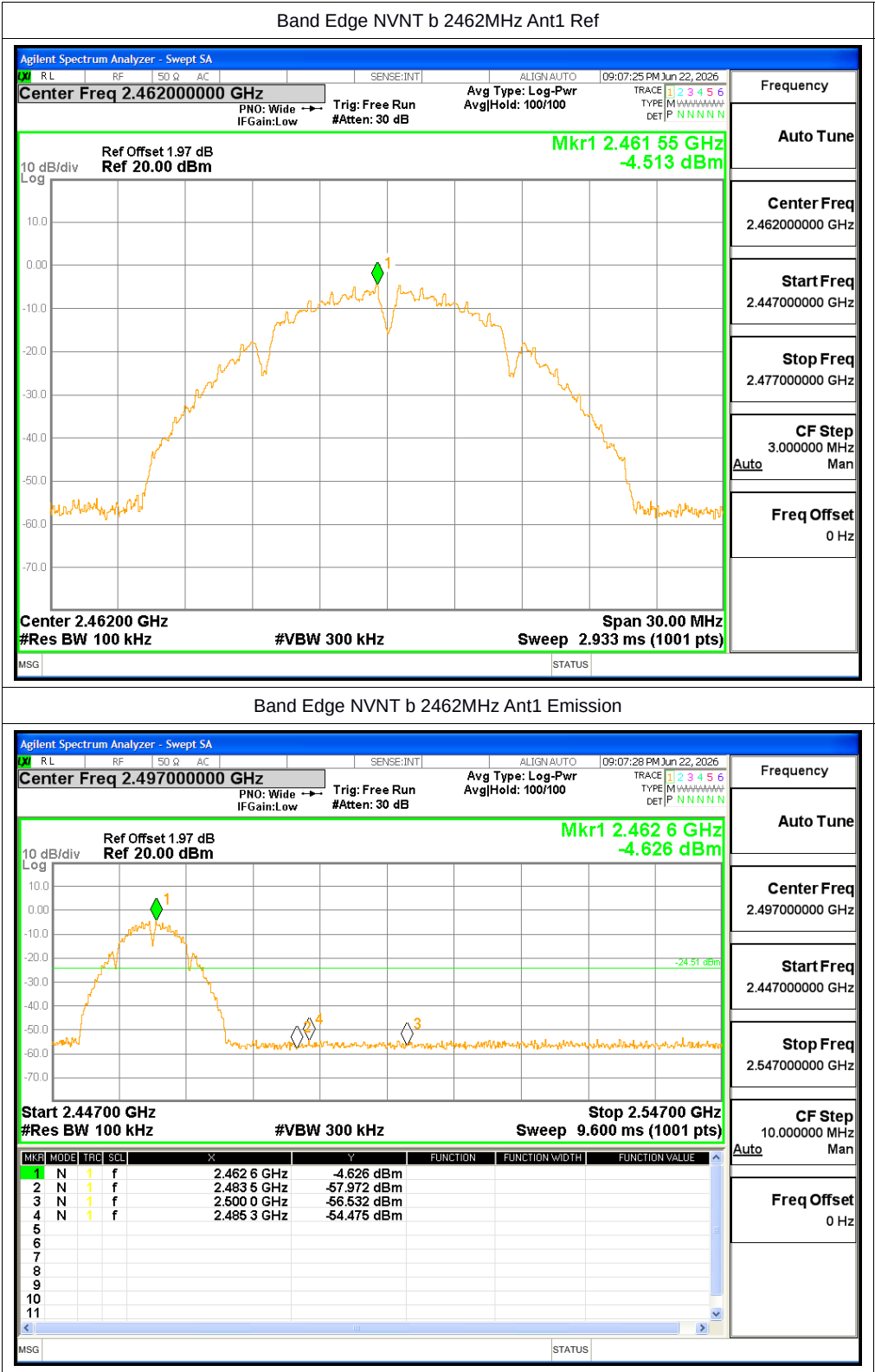
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Band Edge NVNT b 2412MHz Ant1 Ref



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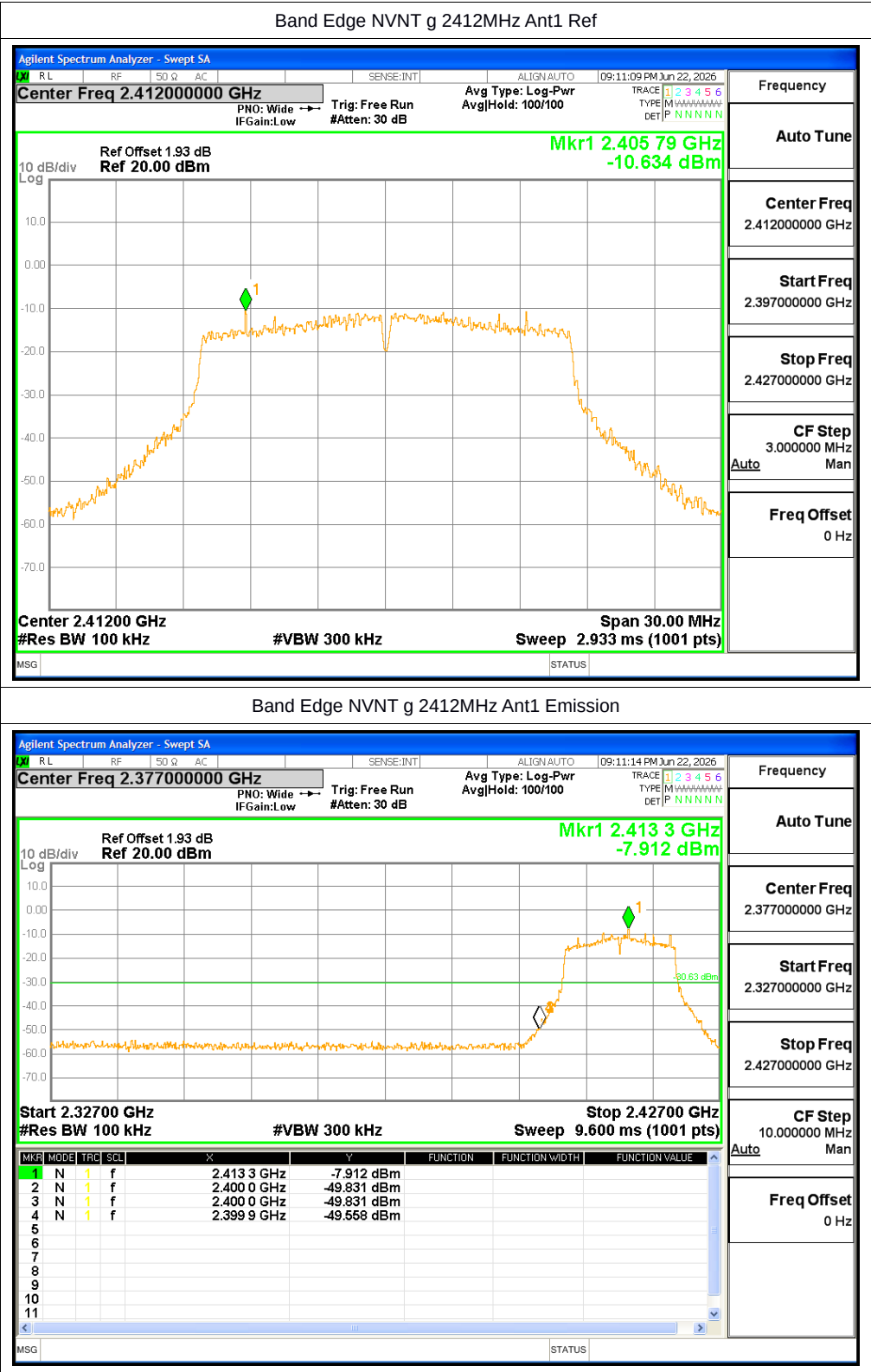
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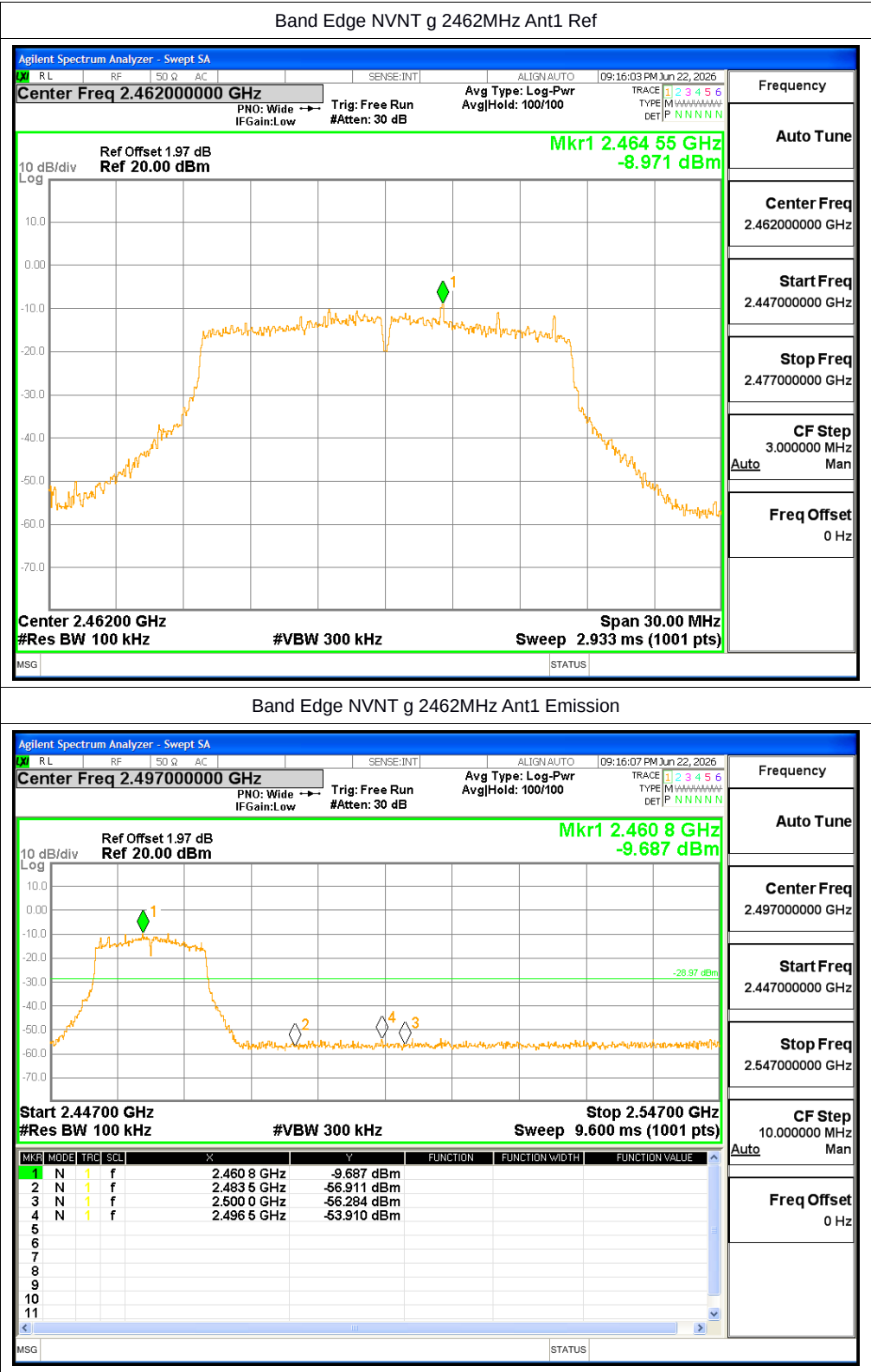
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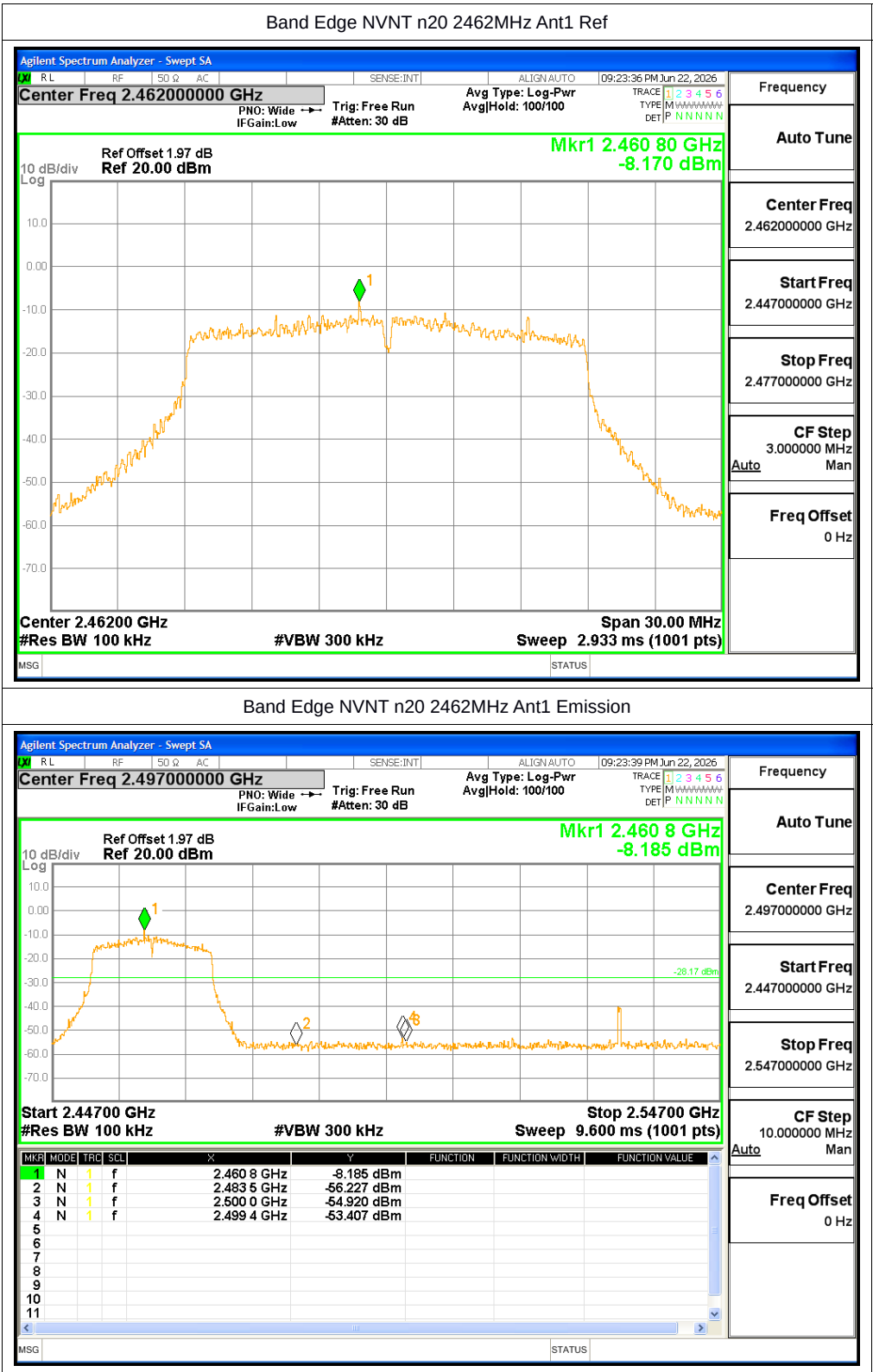
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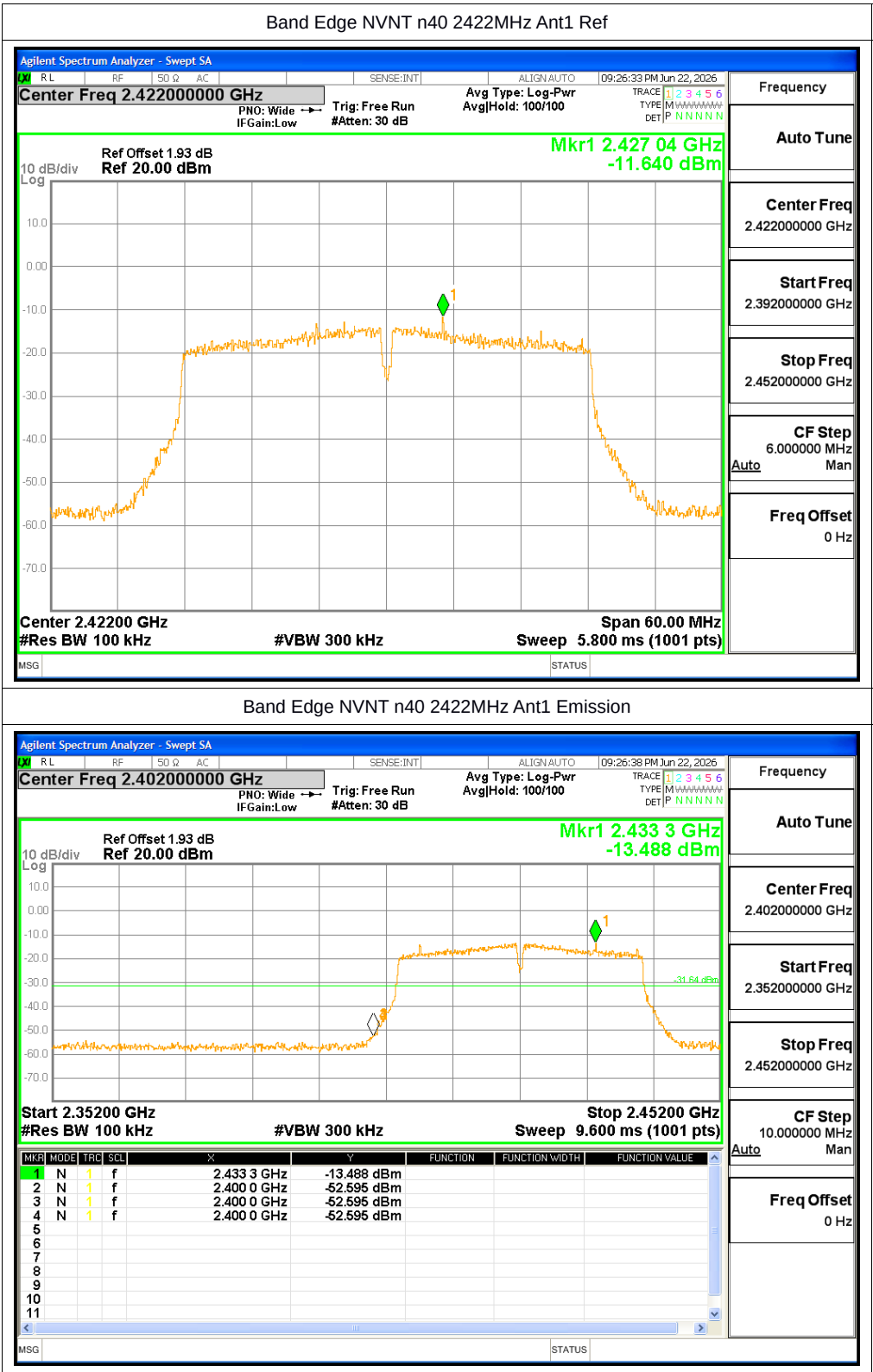
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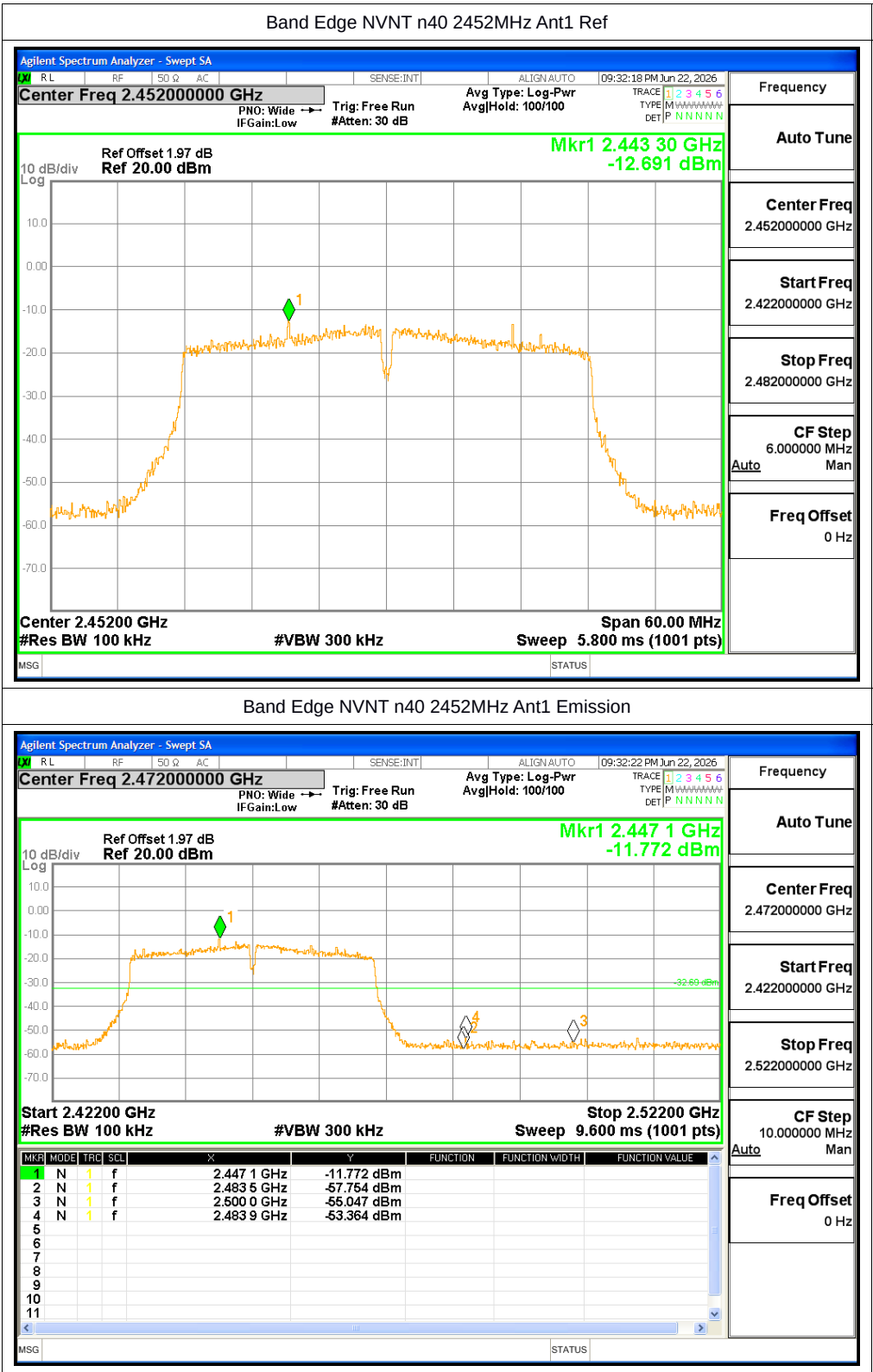
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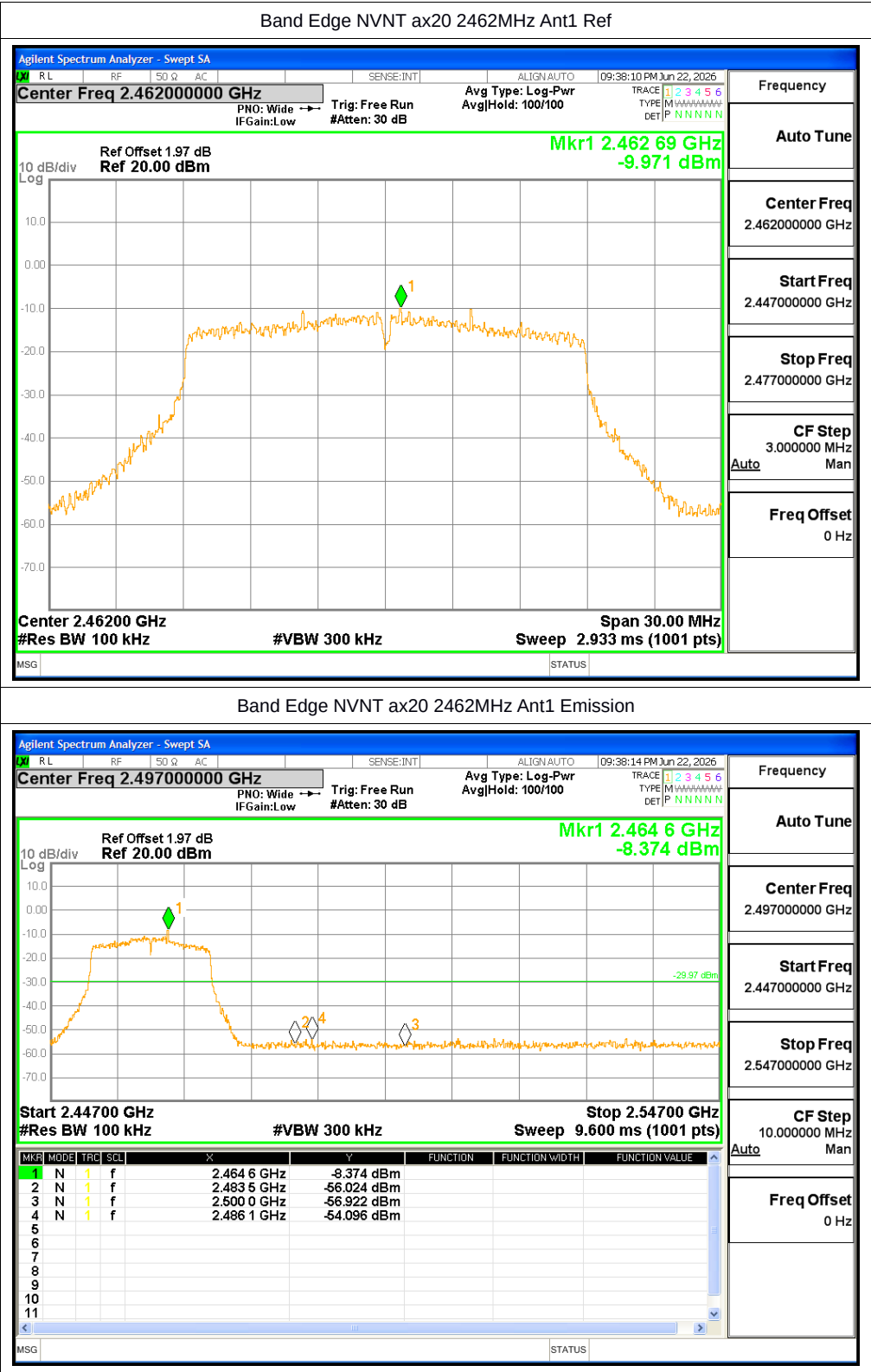
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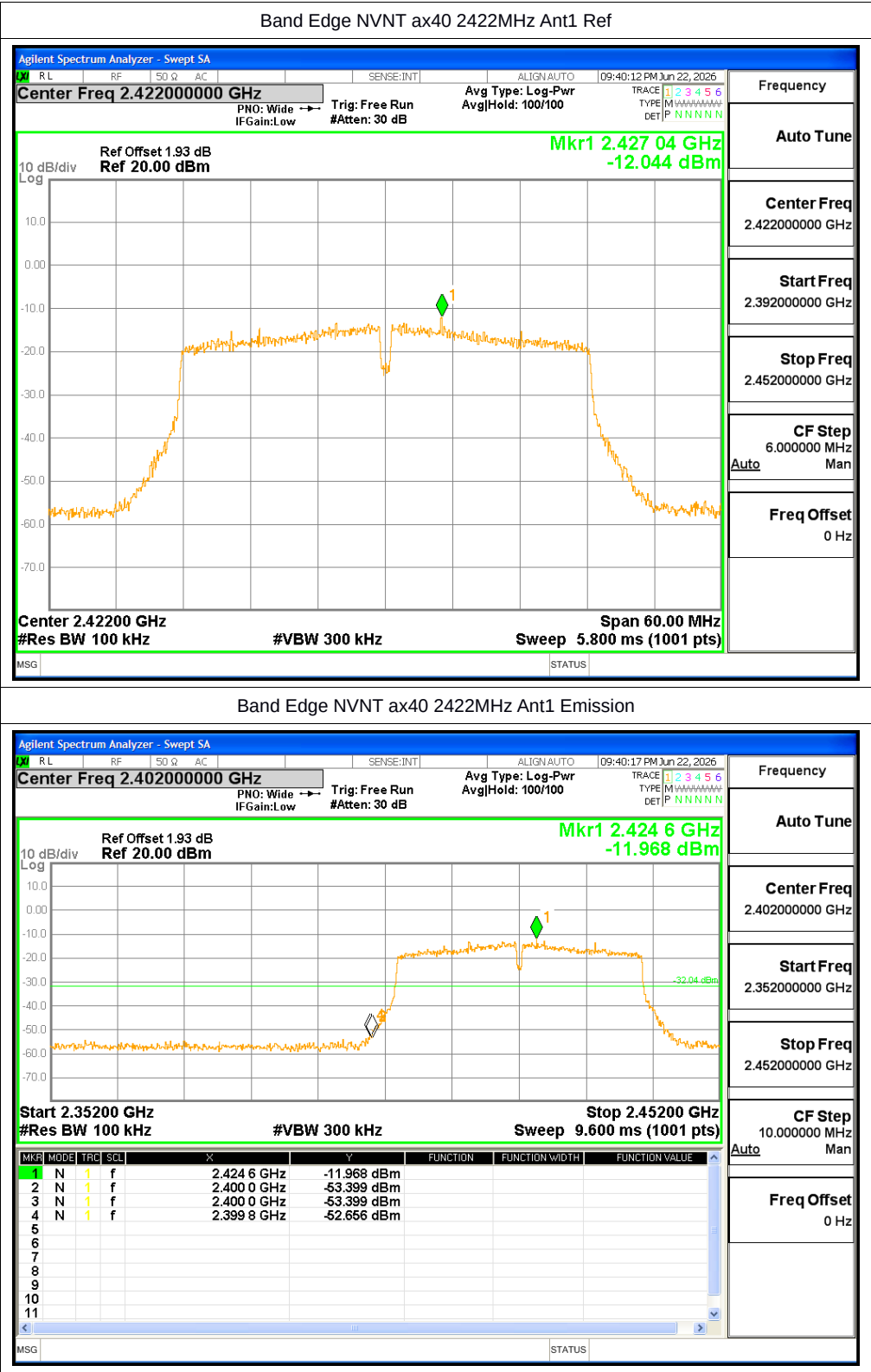
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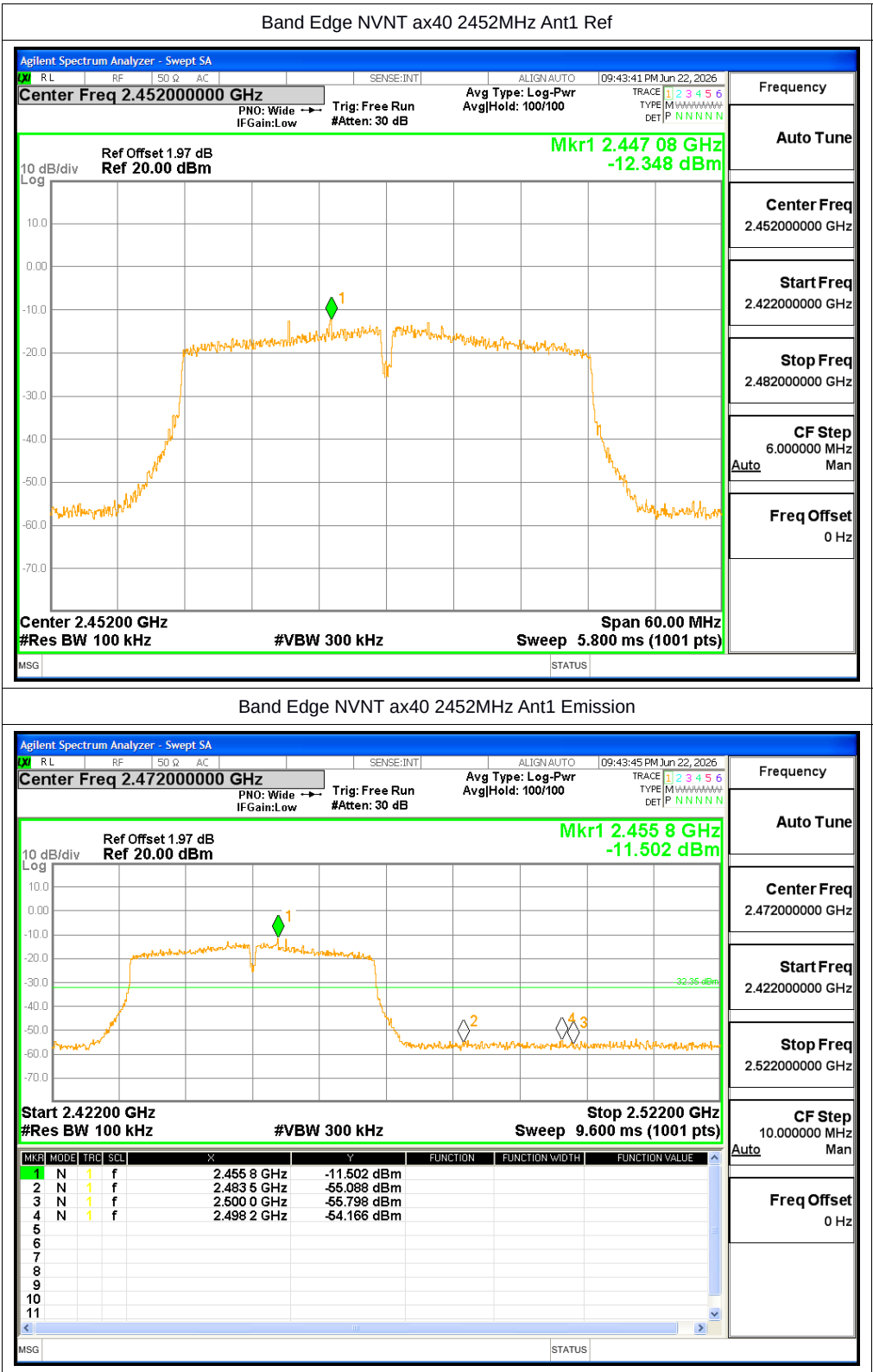
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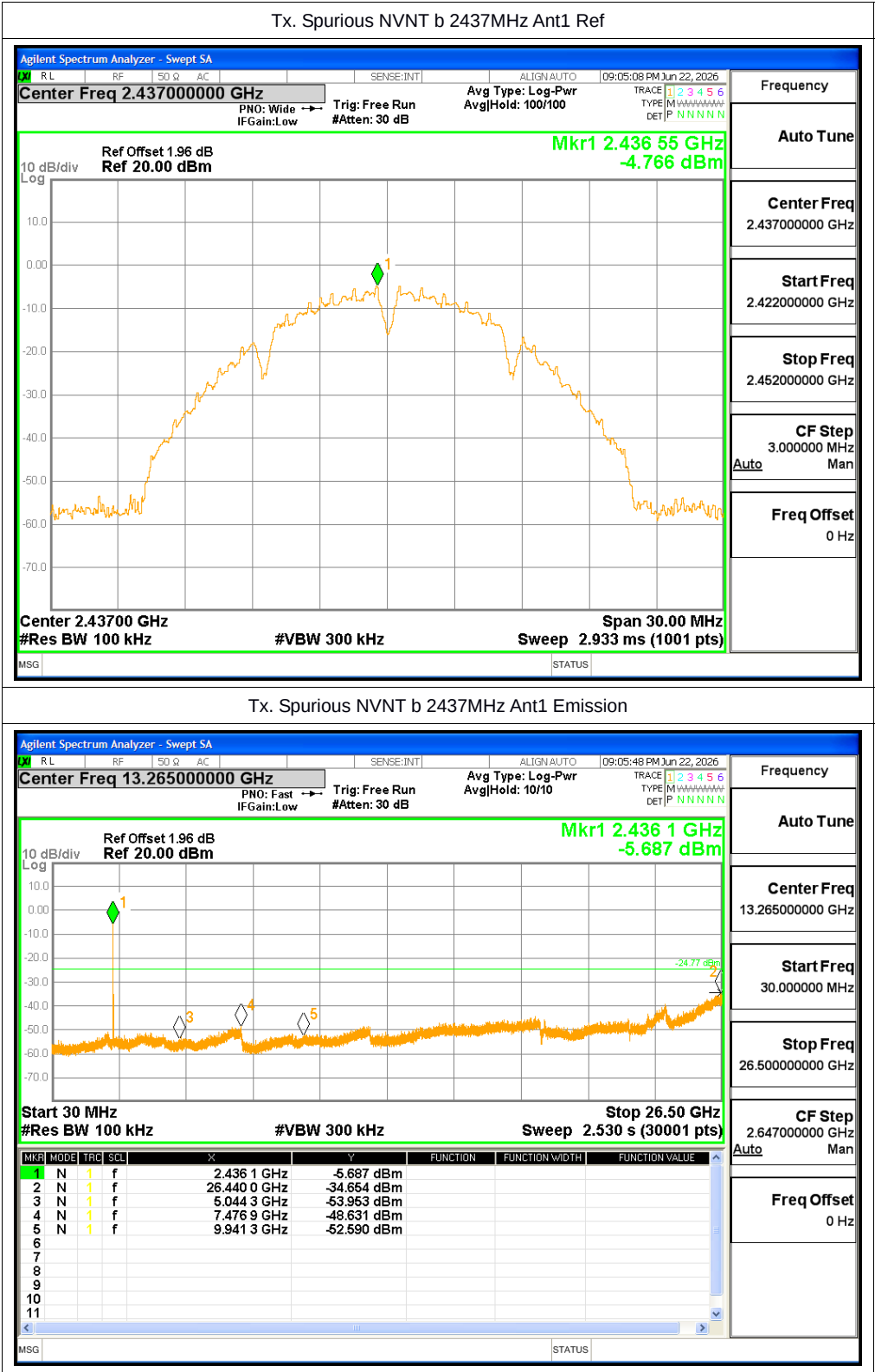
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-30.28	-20	Pass
		2437		-29.88	-20	Pass
		2462		-29.76	-20	Pass
	g	2412		-23.4	-20	Pass
		2437		-25.52	-20	Pass
		2462		-24.81	-20	Pass
	n20	2412		-25.23	-20	Pass
		2437		-22.99	-20	Pass
		2462		-25.81	-20	Pass
	n40	2422		-22.78	-20	Pass
		2437		-20.22	-20	Pass
		2452		-22.52	-20	Pass
	ax20	2412		-26.46	-20	Pass
		2437		-24.79	-20	Pass
		2462		-27	-20	Pass
	ax40	2422		-21.28	-20	Pass
		2437		-22.15	-20	Pass
		2452		-22.3	-20	Pass

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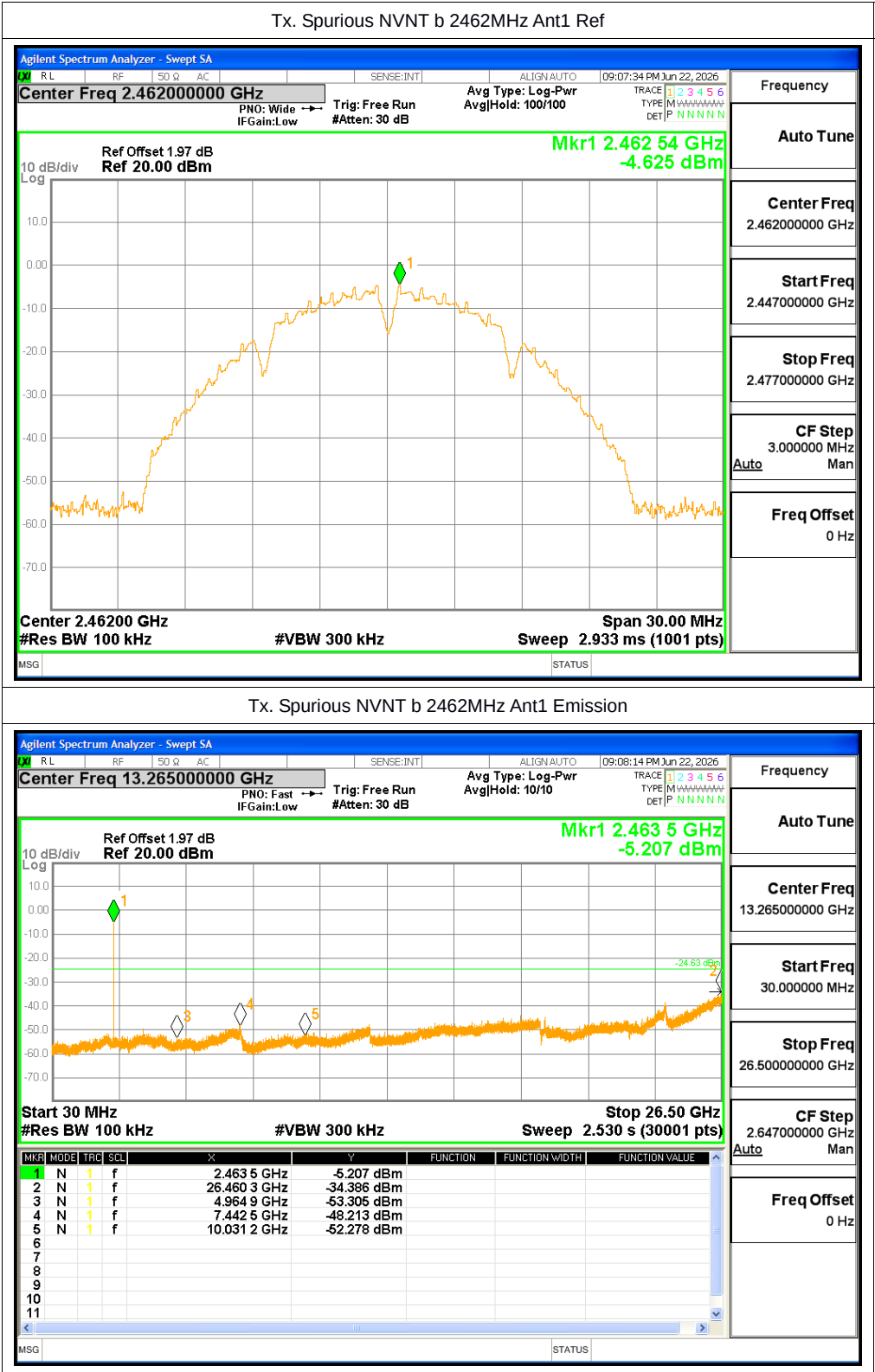
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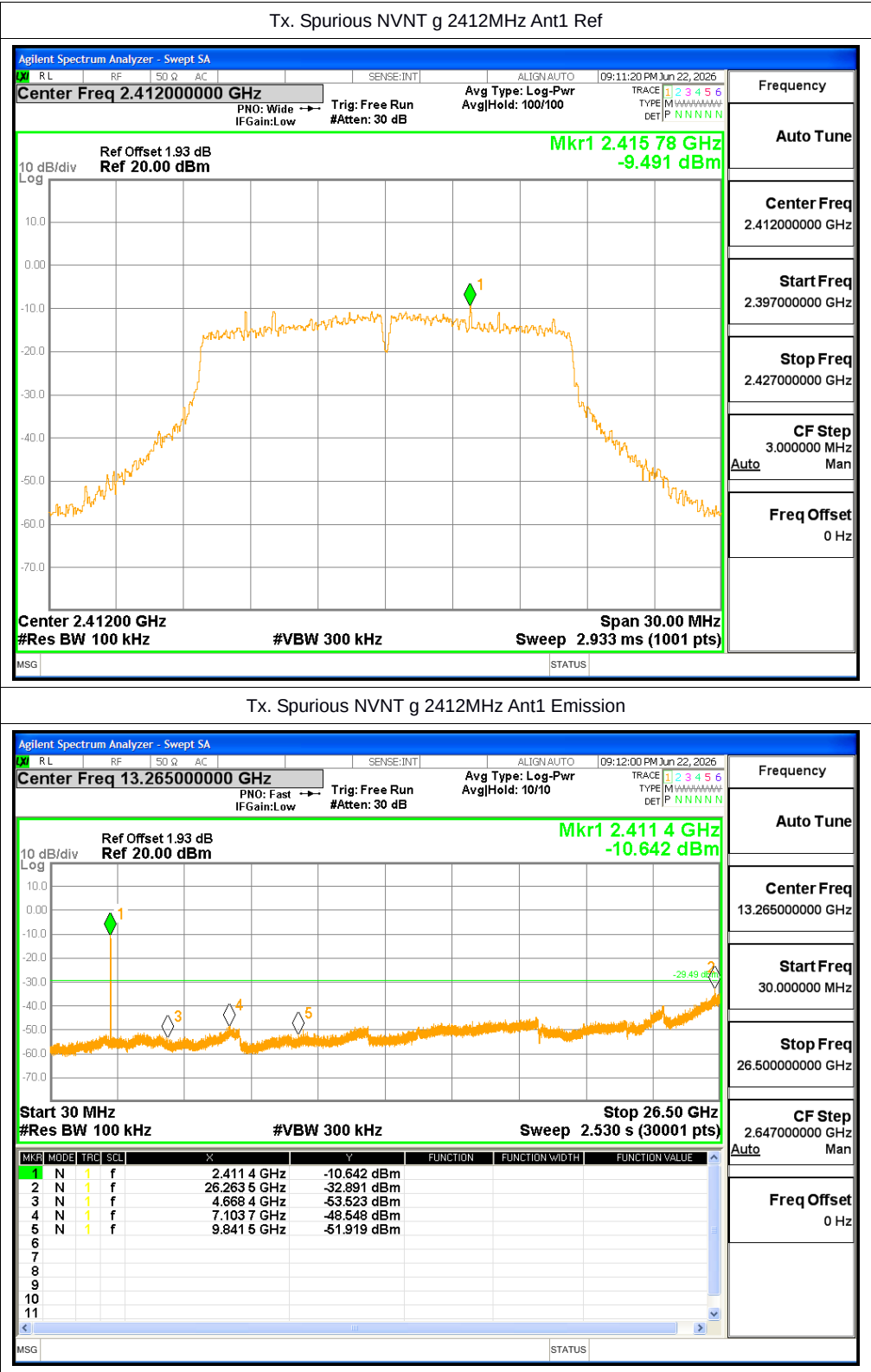
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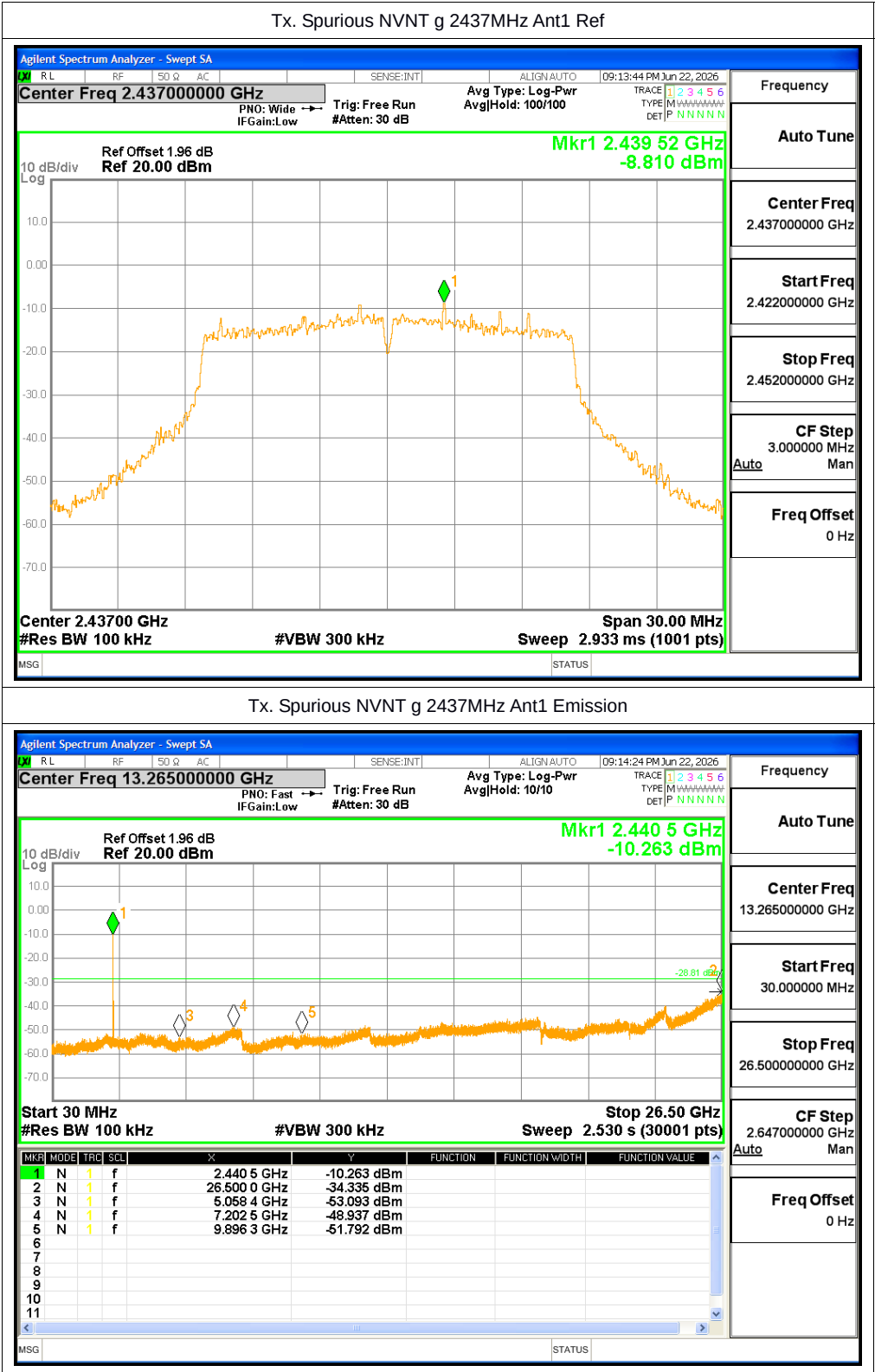
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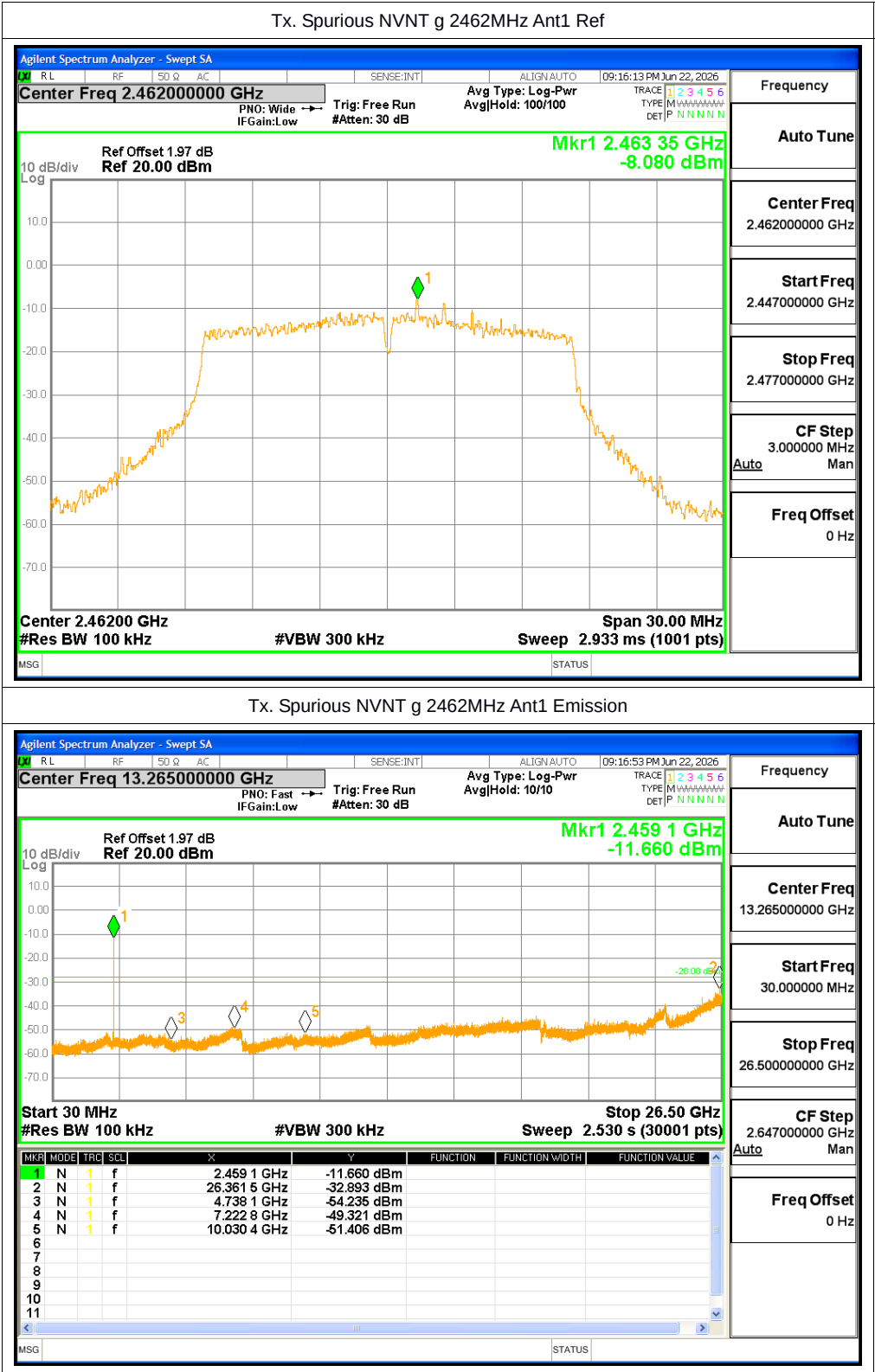
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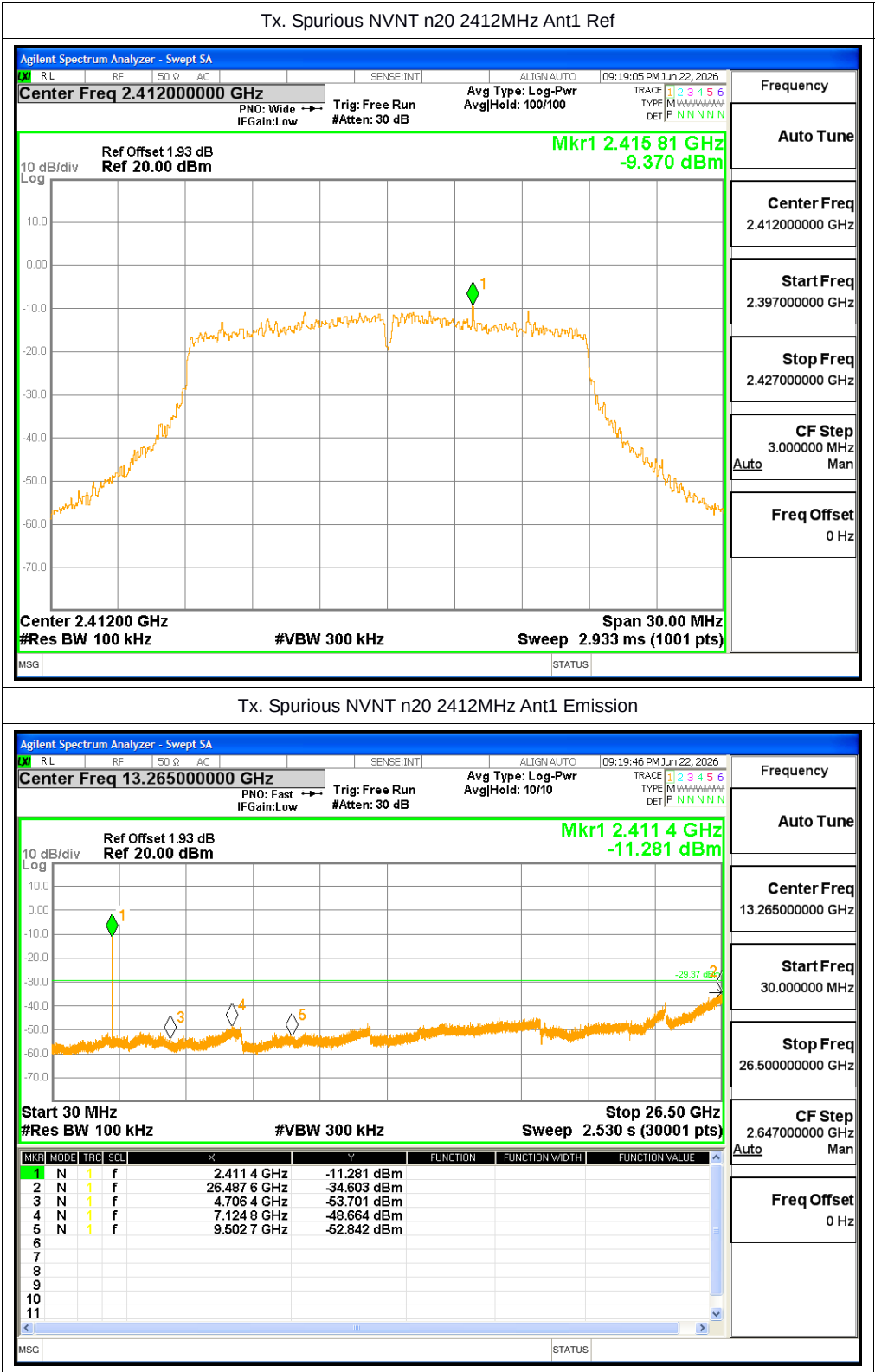
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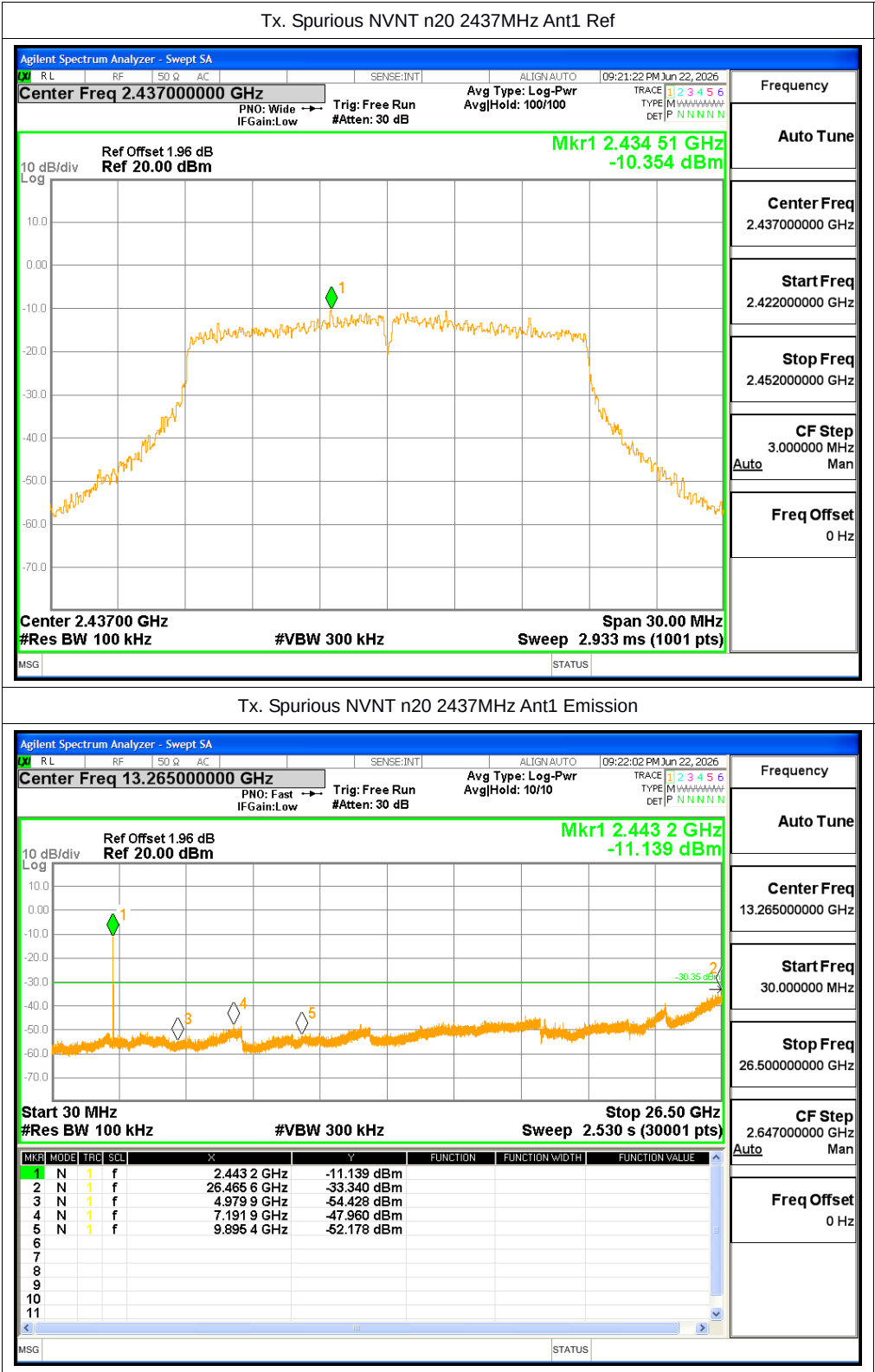
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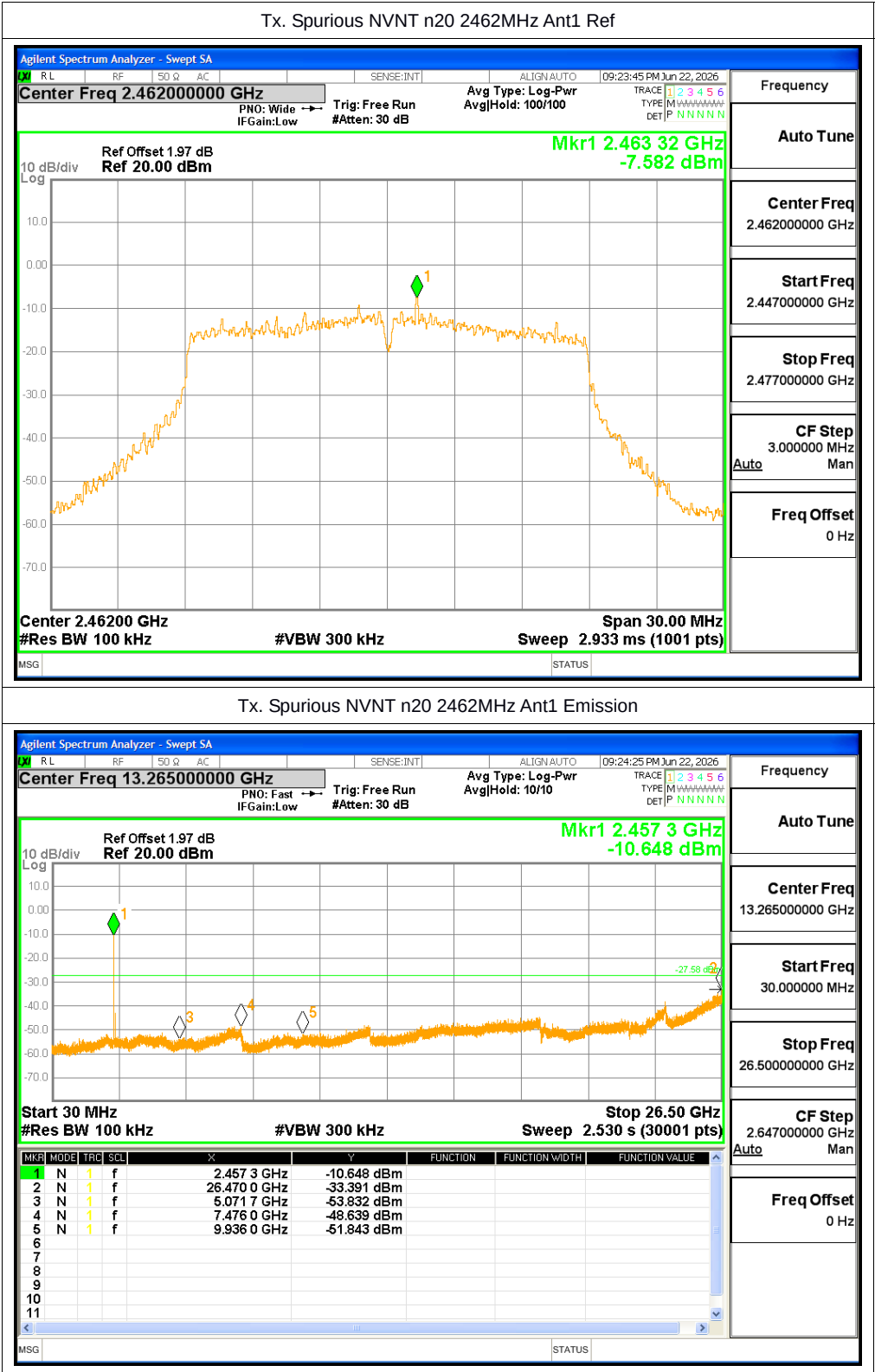
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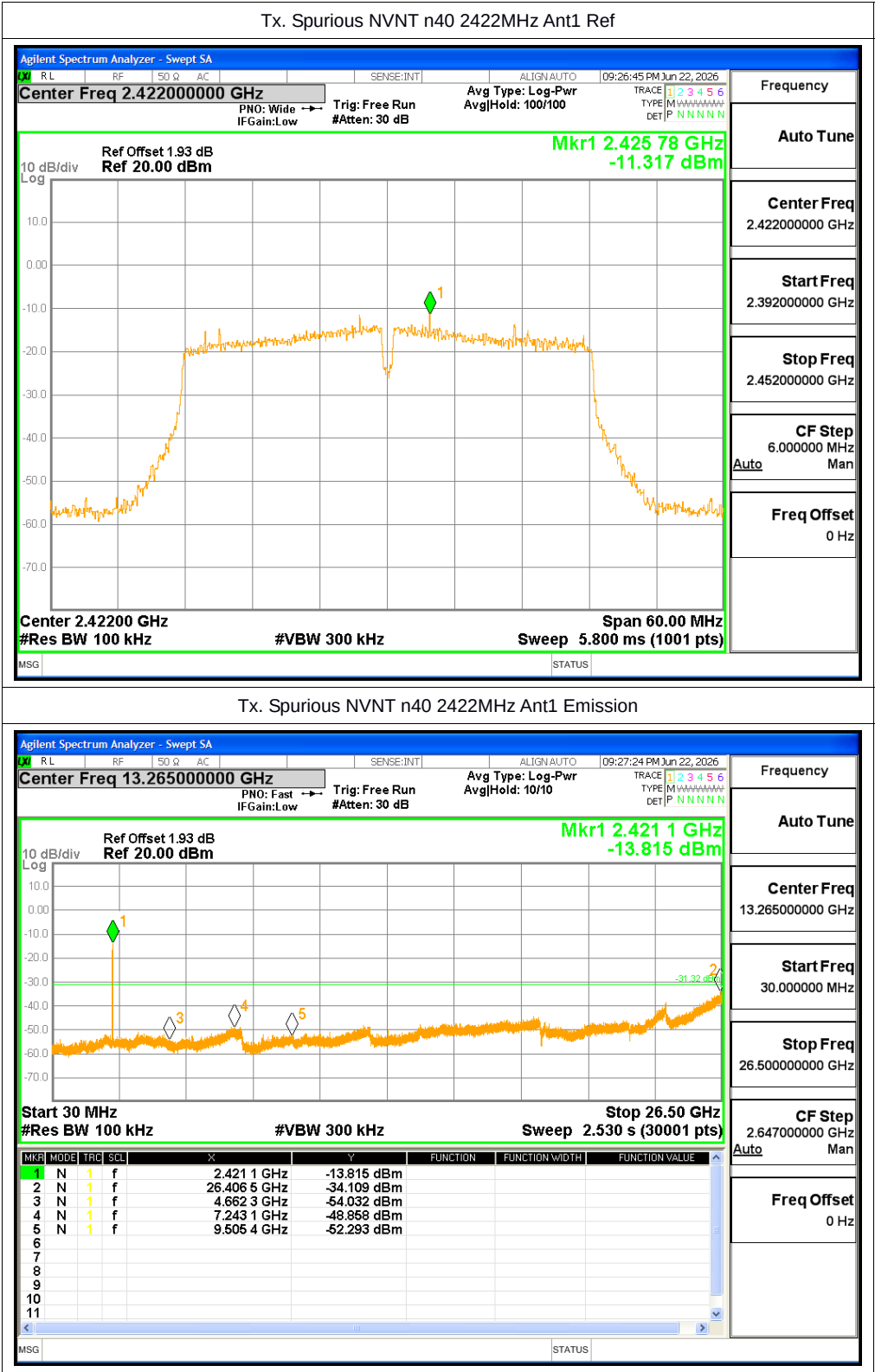
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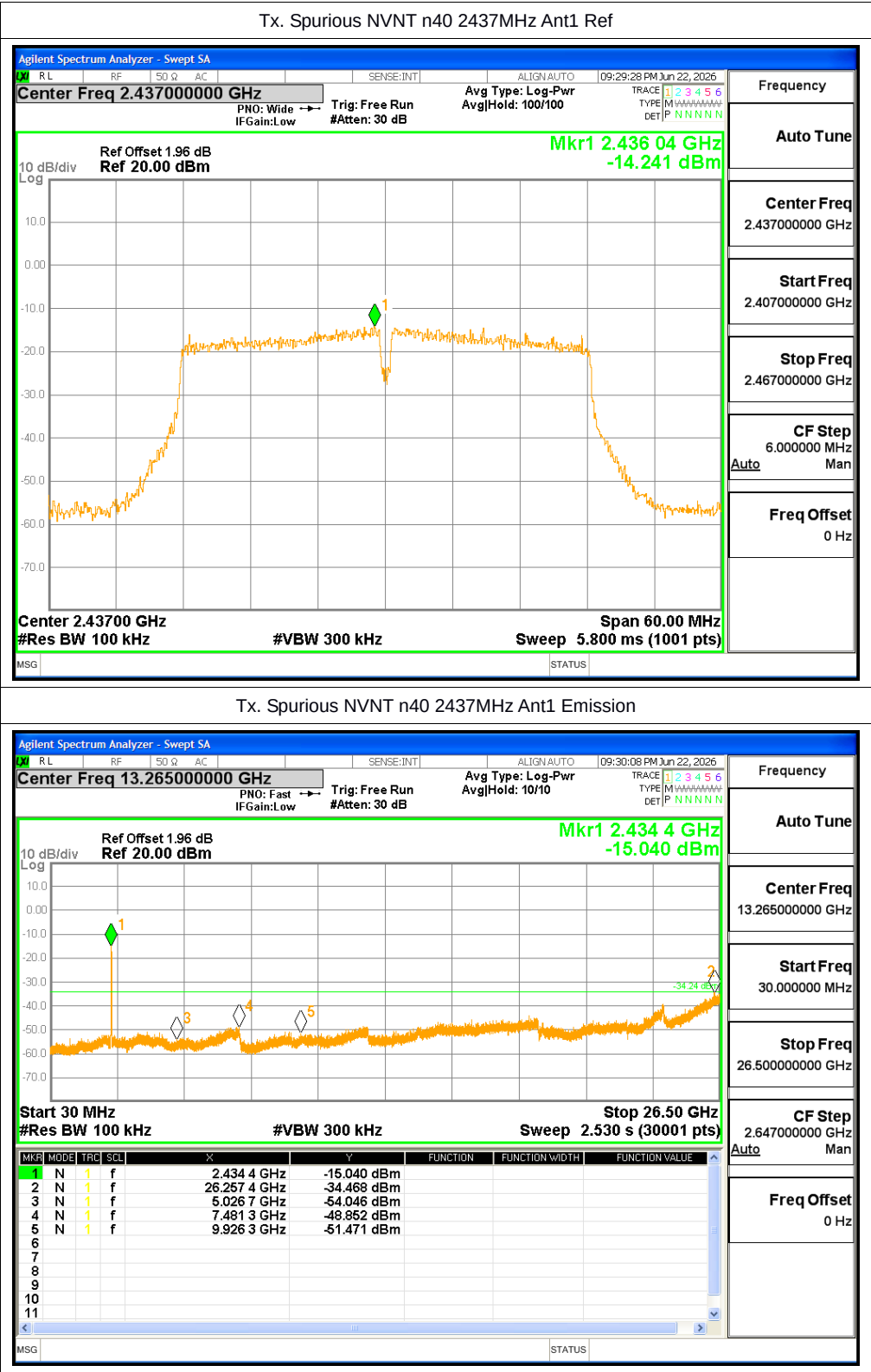
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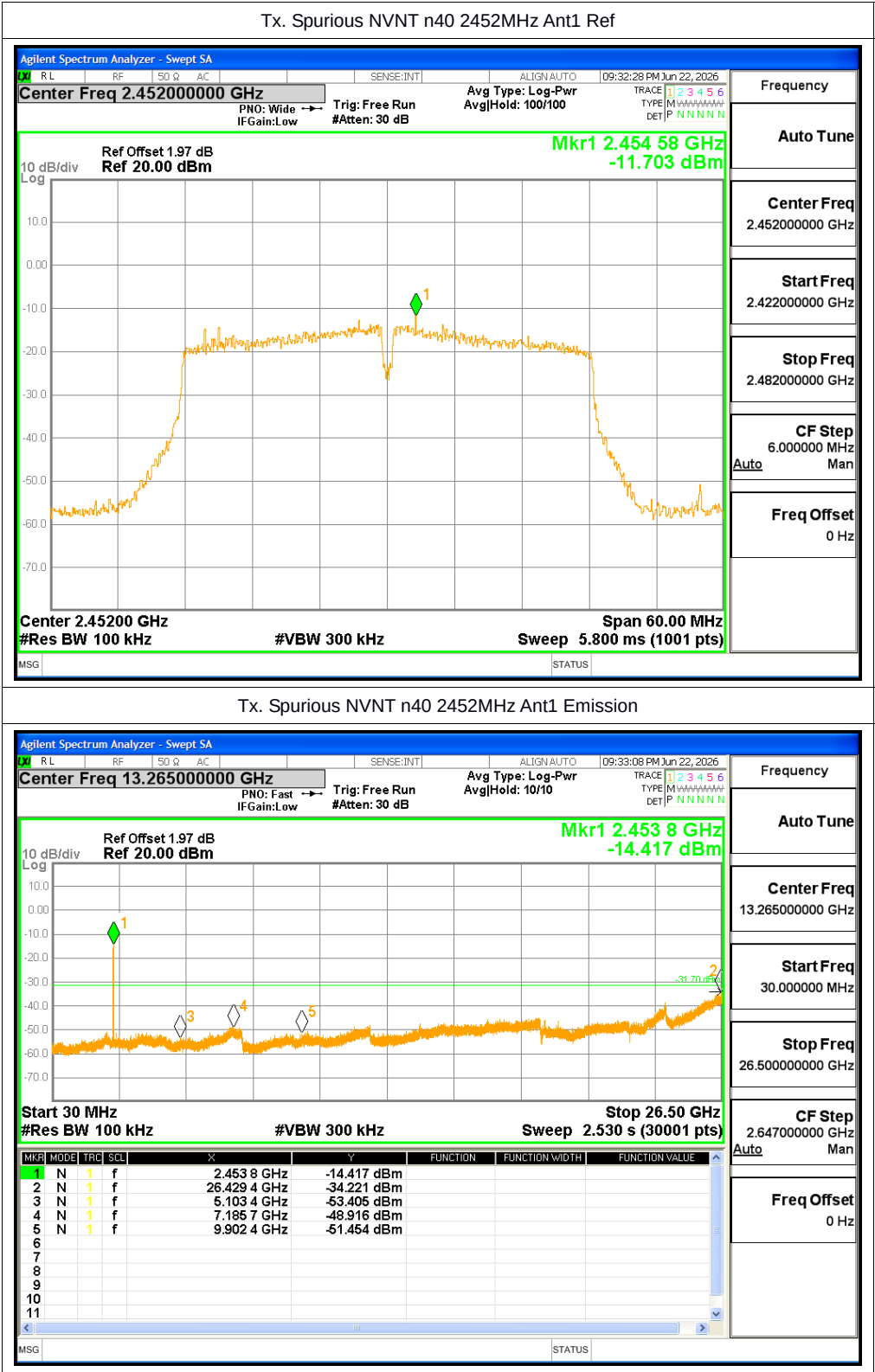


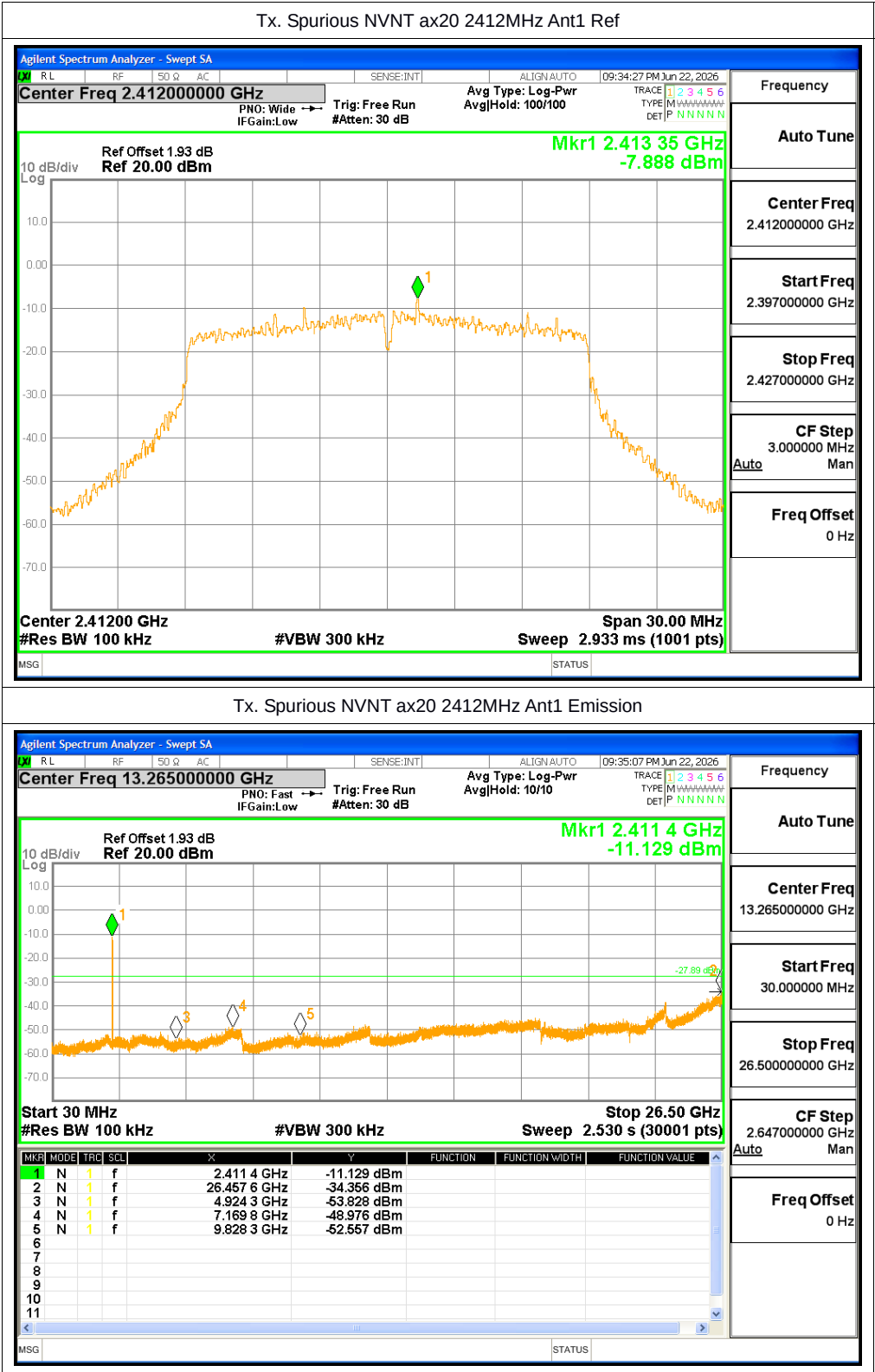
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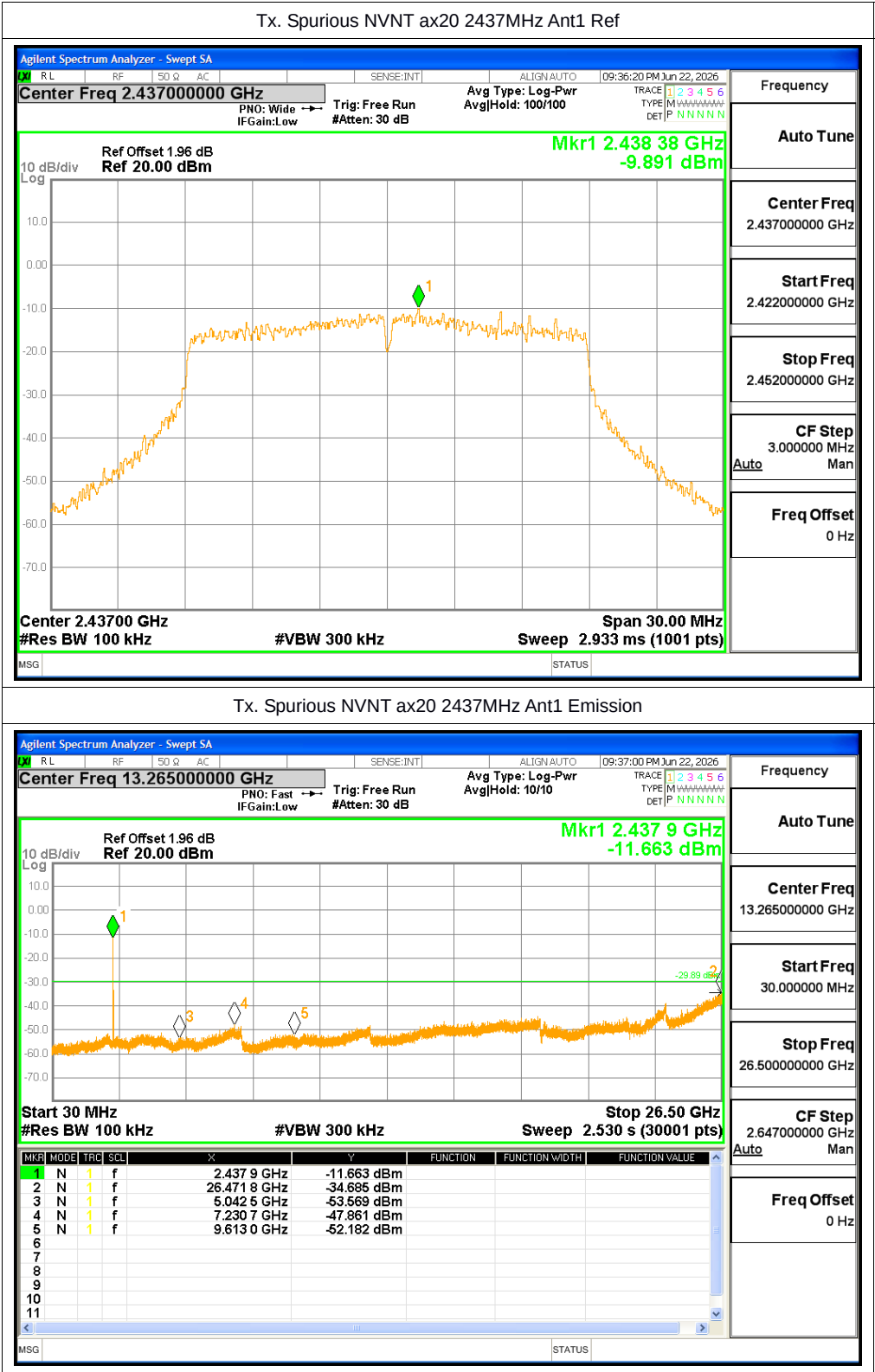


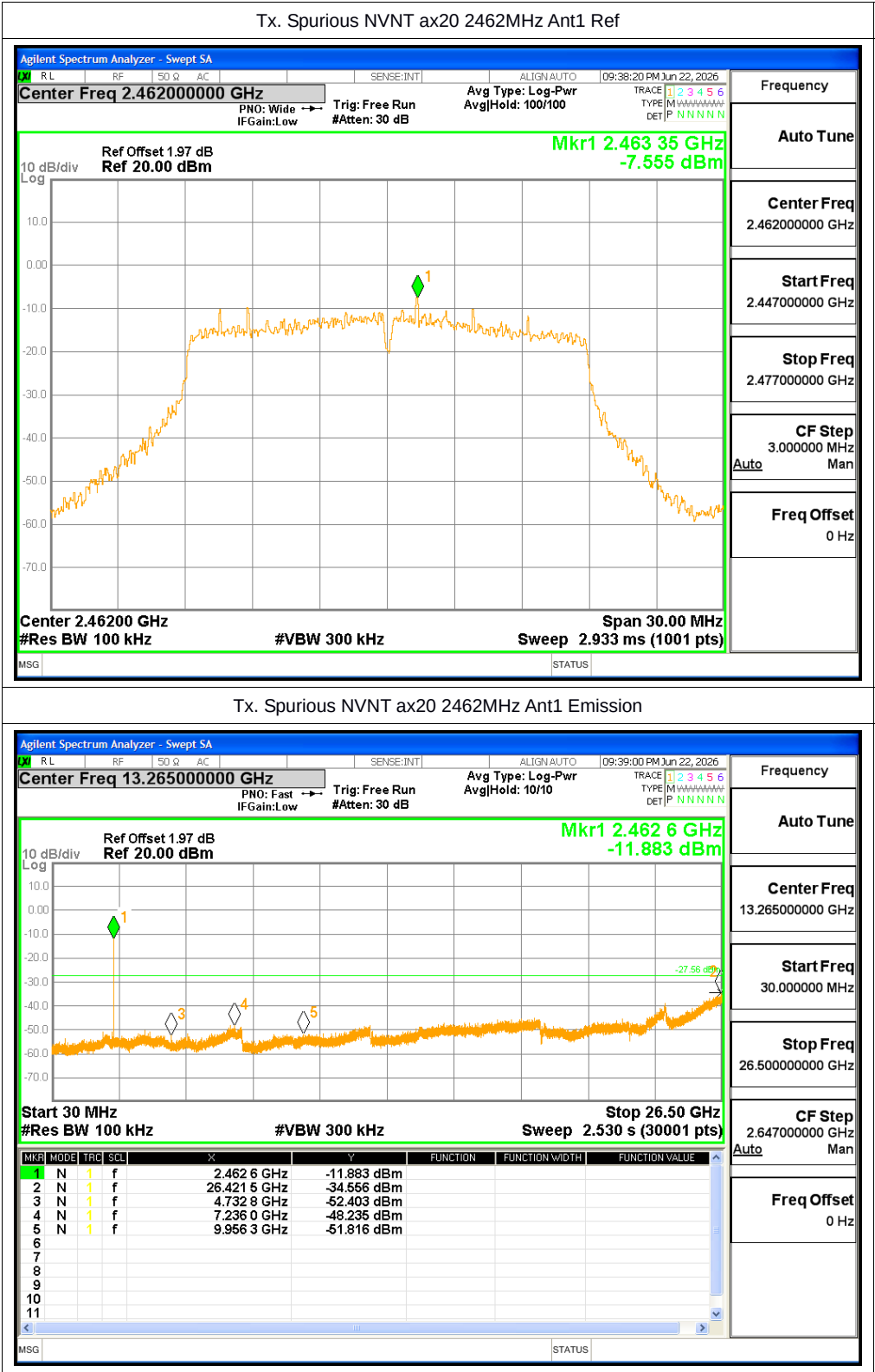


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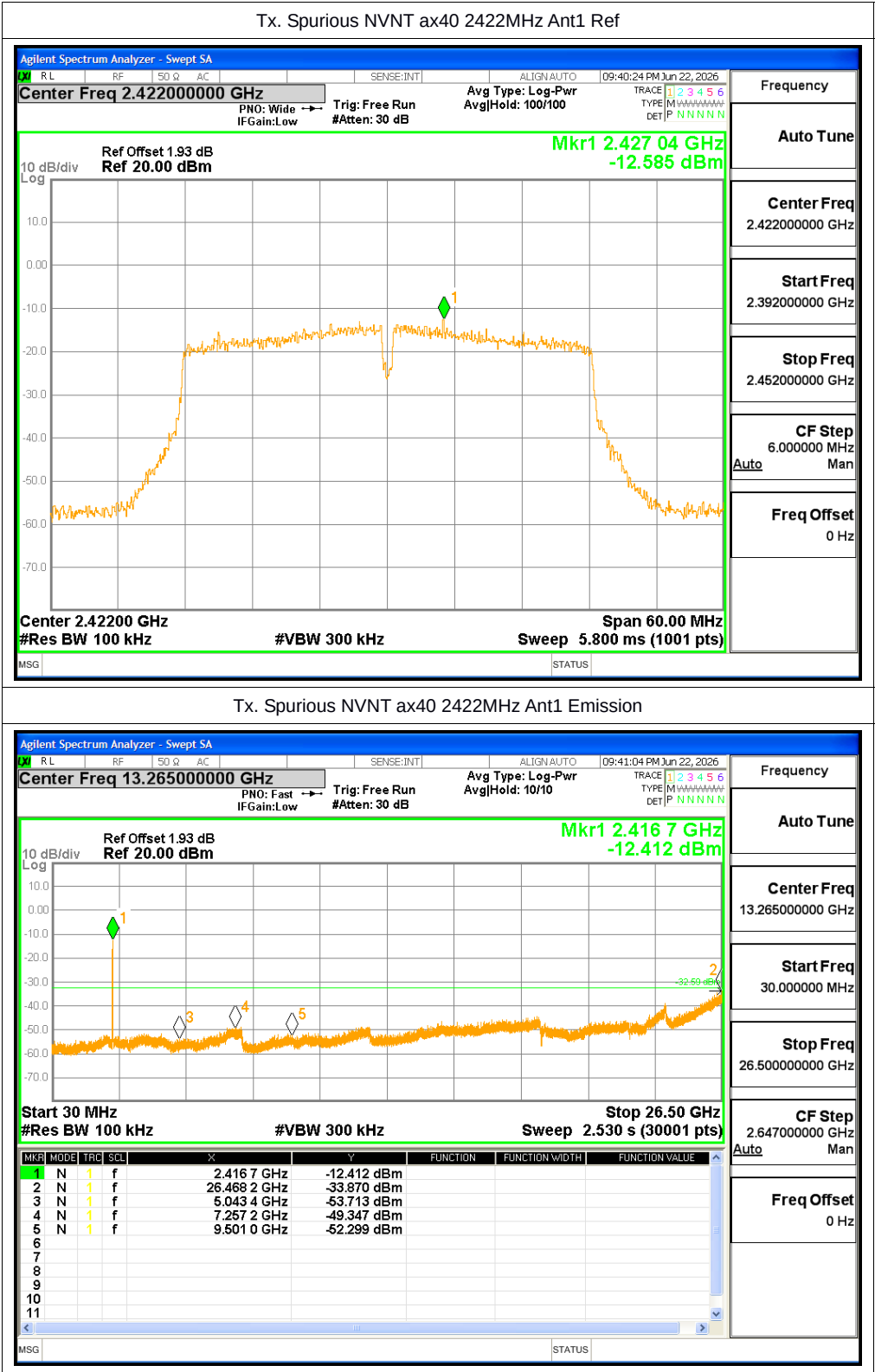




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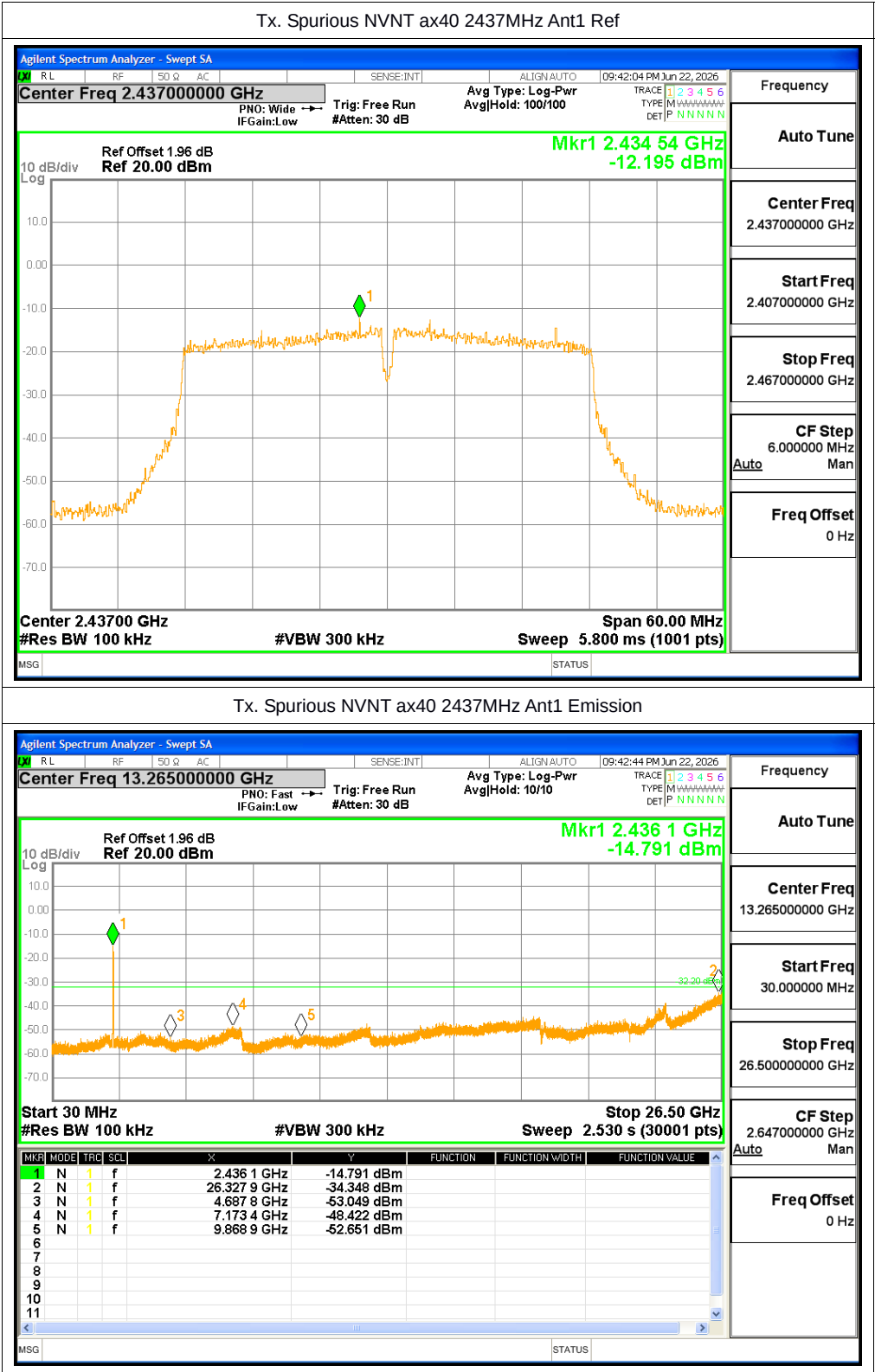
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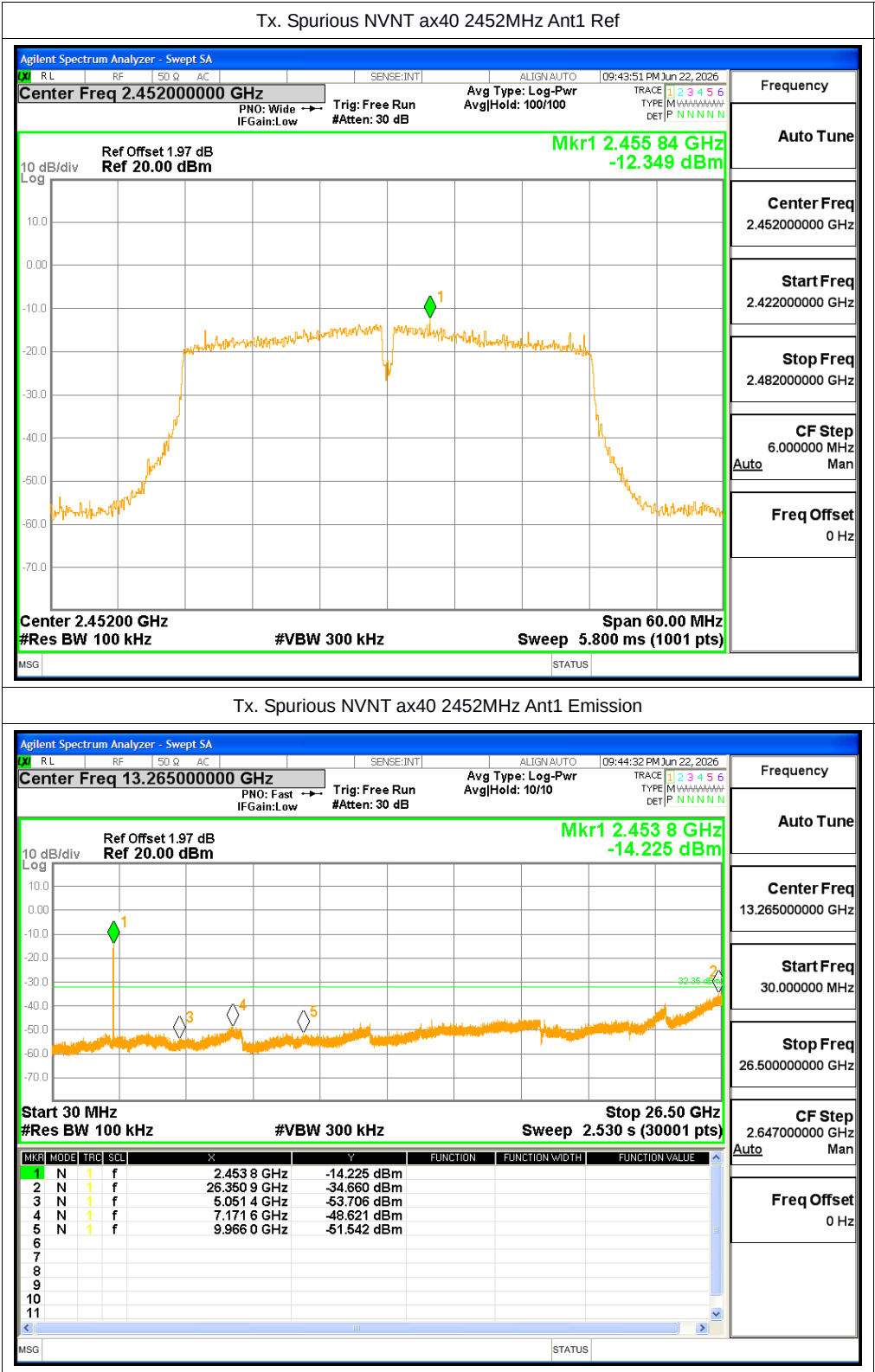
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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11b mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	44.20	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11b mode, Vertical					
2390	PK (dBμV/m)	41.75	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player		Model	EVPAD-13S
Mode	Keeping Transmitting		Test Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11b mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	43.53	Limit	74(dBμV/m)
	AV (dBμV/m)	-		54(dBμV/m)
802.11b mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	40.35	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11g mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	45.59	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11g mode, Vertical					
2390	PK (dBμV/m)	43.01	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11g mode, High Channel, Horizontal					
2483.5	PK (dBμV/m)	51.65	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11g mode, High Channel, Vertical					
2483.5	PK (dBμV/m)	46.93	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT20 mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	46.39	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11n HT20 mode, Vertical					
2390	PK (dBμV/m)	44.71	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT20 mode, High Channel, Horizontal					
2483.5	PK (dBμV/m)	52.13	Limit	74(dBμV/m)	
	AV (dBμV/m)	37.26		54(dBμV/m)	
802.11n HT20 mode, High Channel, Vertical					
2483.5	PK (dBμV/m)	47.61	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11n HT40 mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	46.91	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11n HT40 mode, Vertical					
2390	PK (dBμV/m)	45.63	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player		Model	EVPAD-13S
Mode	Keeping Transmitting		Test Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11n H40 mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	58.65	Limit	74(dBμV/m)
	AV (dBμV/m)	43.19		54(dBμV/m)
802.11n H40 mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	50.98	Limit	74(dBμV/m)
	AV (dBμV/m)	35.23		54(dBμV/m)

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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11ax HEW20 mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	46.05	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11ax HEW20 mode, Vertical					
2390	PK (dBμV/m)	44.31	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player		Model	EVPAD-13S
Mode	Keeping Transmitting		Test Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11ax HEW20 mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	52.91	Limit	74(dBμV/m)
	AV (dBμV/m)	47.33		54(dBμV/m)
802.11ax HEW20 mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	46.89	Limit	74(dBμV/m)
	AV (dBμV/m)	--		54(dBμV/m)

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10.5 Restricted band Measurement

EUT	EVPAD Player			Model	EVPAD-13S
Mode	Keeping Transmitting			Test Voltage	120V~
Temperature	24 deg. C,			Humidity	56% RH
Test Result:	Pass			Detector	PK
802.11ax HEW40 mode, Low Channel, Horizontal					
2390	PK (dBμV/m)	47.62	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	
802.11ax HEW40 mode, Vertical					
2390	PK (dBμV/m)	45.35	Limit	74(dBμV/m)	
	AV (dBμV/m)	--		54(dBμV/m)	

10.5 Restricted band Measurement

EUT	EVPAD Player		Model	EVPAD-13S
Mode	Keeping Transmitting		Test Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
802.11ax HEW40 mode, High Channel, Horizontal				
2483.5	PK (dBμV/m)	60.53	Limit	74(dBμV/m)
	AV (dBμV/m)	44.12		54(dBμV/m)
802.11ax HEW40 mode, High Channel, Vertical				
2483.5	PK (dBμV/m)	52.17	Limit	74(dBμV/m)
	AV (dBμV/m)	36.29		54(dBμV/m)

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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

FPC antenna used. The gain of the antennas is 0.31dBi maximum. (Get from the antenna specification provided the applicant)

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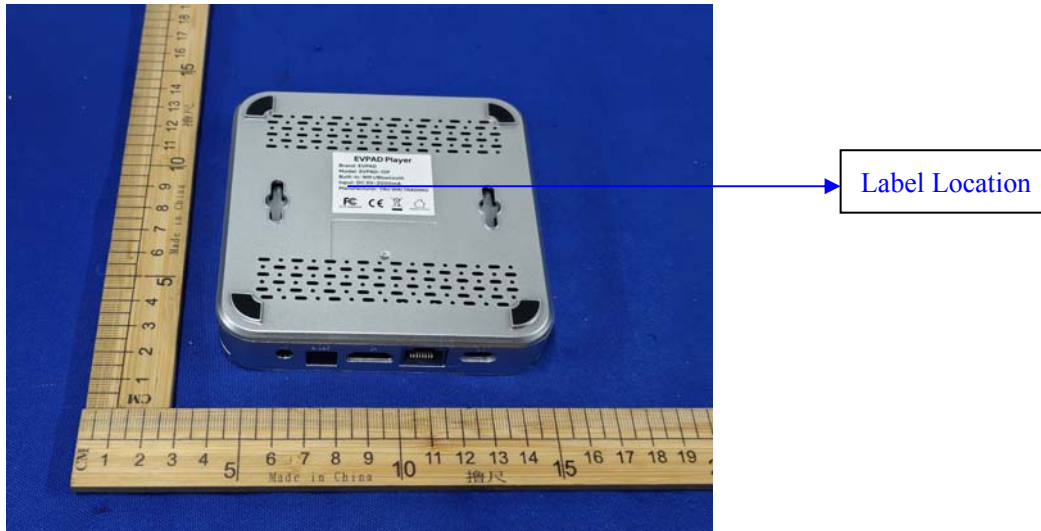


12.0 FCC ID Label

FCC ID: 2A4G813P13S

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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13.0 Photo of testing

Conducted Emission Test Setup:



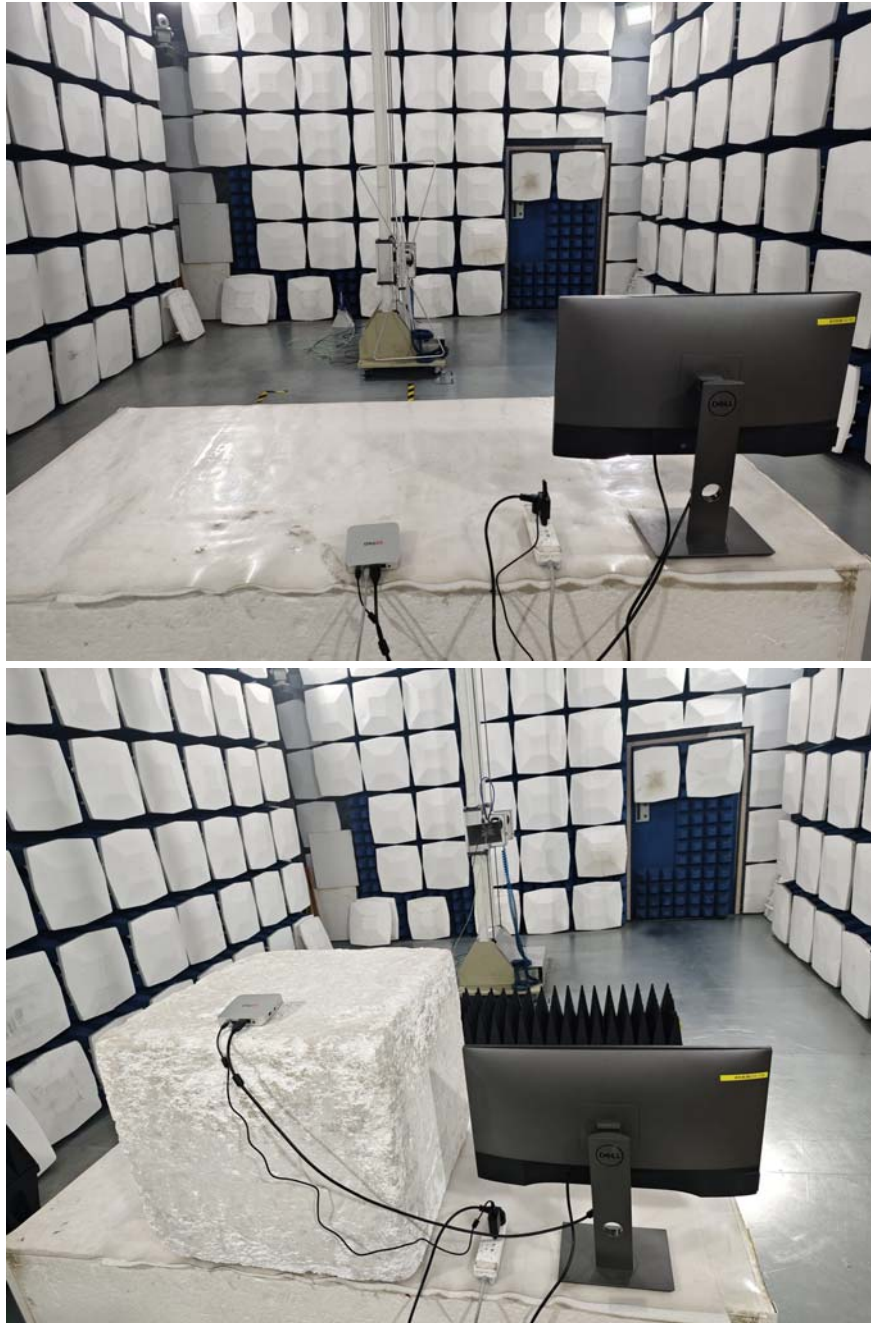
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Radiated Emission Test Setup:



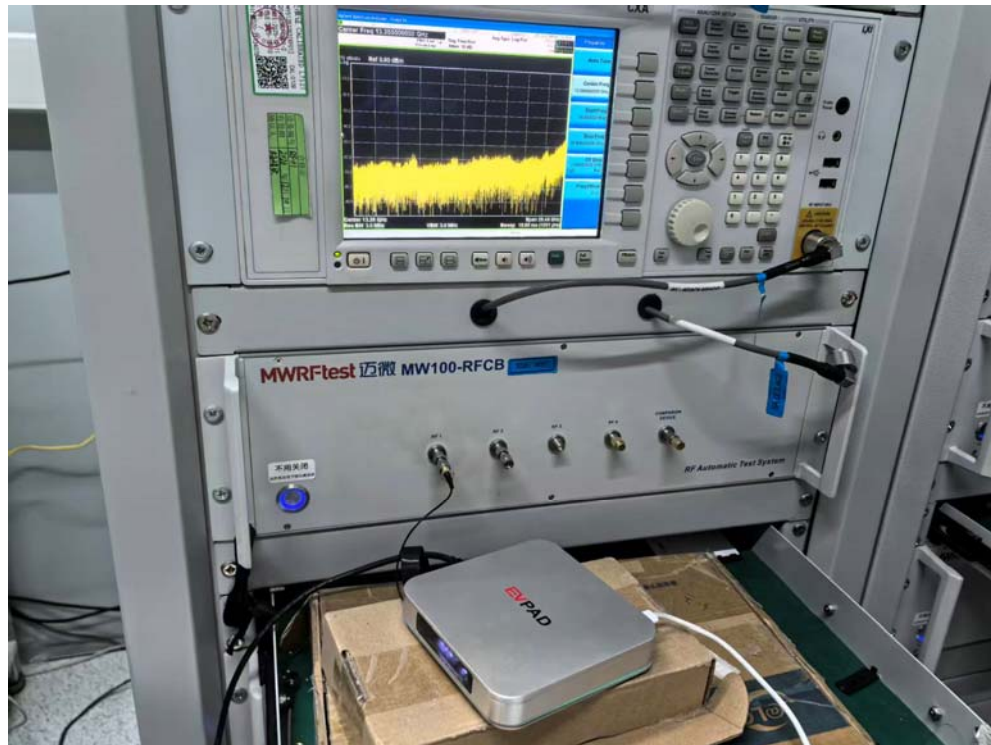
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RF test view



Photographs – EUT

Please refer test report TWN2606521-01E

-End of the report-

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