



Report No: TWN2511329-04E

Applicant: Shenzhen Yichi innovation technology Co.,LTD

Product: Android Link Car Adapter Produce Parameters

Model No: H6D 4K TV Stick

Trademark: N/A

Test Standards: FCC Part 15 Subpart E, Paragraph 15.407

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15 Subpart C, Paragraph 15.247 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Manager

Dated: November 27, 2025

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

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Test Report Conclusion
Content

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	6
1.5	Test Duration	6
1.6	Test Uncertainty	6
1.7	Test By	6
2.0	List of Measurement Equipment	7
3.0	Technical Details	8
3.1	Summary of Test Results	8
3.2	Test Standards	8
4.0	EUT Modification	8
5.0	Power Line Conducted Emission Test	9
5.1	Schematics of the Test	9
5.2	Test Method and Test Procedure	9
5.3	Configuration of the EUT	9
5.4	EUT Operating Condition	10
5.5	Conducted Emission Limit	10
5.6	Test Result	10
6.0	Undesirable Emission and Restrict band	13
7.0	Bandwidth Measurement	35
8.0	Peak Transmit Power Measurement	56
9.0	Peak Power Spectral Density Measurement	67
10.0	Frequency Stability	78
11.0	Antenna Requirement	89
12.0	FCC ID Label	90
13.0	Photo of Test Setup and EUT View	91

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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: Shenzhen Yichi innovation technology Co.,LTD
Address: 1501, Building B, Shenye Century Industrial Centre, No.743, Choushi Road, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen, China.

1.3 Description of EUT

Product: Android Link Car Adapter Produce Parameters
Manufacturer: Shenzhen Yichi innovation technology Co.,LTD
Address: 1501, Building B, Shenye Century Industrial Centre, No.743, Choushi Road, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen, China.
Trademark: N/A
Additional Trademark: N/A
Model Number: H6D 4K TV Stick
Additional Model Number: N/A
Hardware Version: V1.1
Software Version: Android 12.0
Rating: Input: DC5.0V, 2A
Power Supply: Model: QL010-0502000UU
Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A
Type of Modulation IEEE 802.11a/n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK);
IEEE 802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)
IEEE 802.11ax: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)
Frequency Band 4: 5745MHz-5825MHz
Air Data Rate IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
IEEE 802.11n/HT20: mcs0-mcs7
IEEE 802.11n/HT40: mcs0-mcs7
IEEE 802.11ac (VHT20, VHT40): NSS1 mcs0-mcs9

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IEEE 802.11ax (HEW20, HEW40): mcs0-mcs11

Antenna: FPC antenna used. The gain of the antennas is 2.75dBi maximum. (Get from the antenna specification provided the applicant)

Test Mode: During testing, EUT was set to 100% duty cycle. 6Mbps air data rate was the worst case for 802.11a mode; mcs0 air data rate was the worst case for 802.11n mode; mcs0 air data rate was the worst case for 802.11ac and 802.11ax mode;

Frequency Selection By software

Each Channel Operation Frequency

Band 4			
802.11a / 11n HT20 /802.11ac VHT20/ 802.11ac HEW20		802.11n HT40 /802.11ac VHT40/ 802.11ax HEW40	
Channel	Frequency	Channel	Frequency
149	5745 MHz	151	5755 MHz
153	5765 MHz	159	5795 MHz
157	5785 MHz		
161	5825 MHz		

The selected test channels as follows:

Band 4			
802.11a / 11n HT20 /802.11ac VHT20/ 802.11ac HEW20		802.11n HT40 /802.11ac VHT40/ 802.11ax HEW40	
Channel	Frequency	Channel	Frequency
149	5745 MHz	151	5755 MHz
153	5765 MHz	159	5795 MHz
161	5825 MHz		

Note: 802.11ac VHT20/VHT40 and 802.11ax HEW20/HEW40 is similar with 802.11n HT20/HT40.

1.4 Submitted Sample:3 Samples

1.5 Test Duration

2025-11-03 to 2025-11-27

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%

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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

Andy Xing

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
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	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
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	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

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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3.0 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 15.407	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart E Paragraph 15.407 (b1/4/5/6/7), Part 15.205 and Part 15.209	Undesirable Emission and Restrict band	Pass	Complies
FCC Part 15, Paragraph 15.407 (a1/2/3)	Peak Transmit Power	Pass	Complies
FCC Part 15, Paragraph 15.407 (a)(6)	Peak Power Excursion	Pass	Complies
FCC Part 15, Paragraph 15.407 (a1/2/3)	Peak Power Spectral Density	Pass	Complies
FCC Part 15, Paragraph 15.407(g)	Frequency Stability	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247, ANSI C63.10-2020+Cor.1-2023
789033 D02 General UNII Test Procedures New Rules v01r04

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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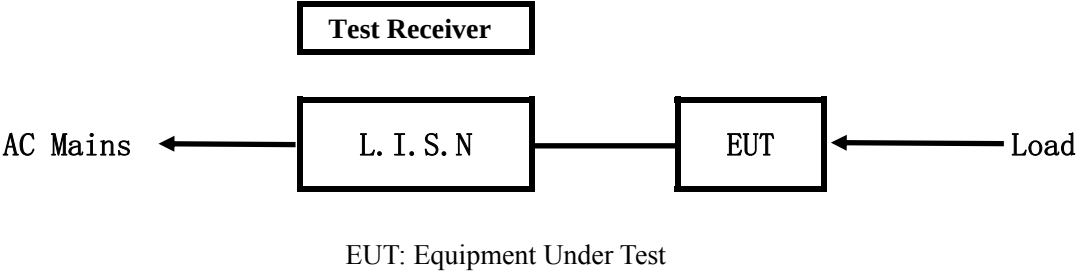
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

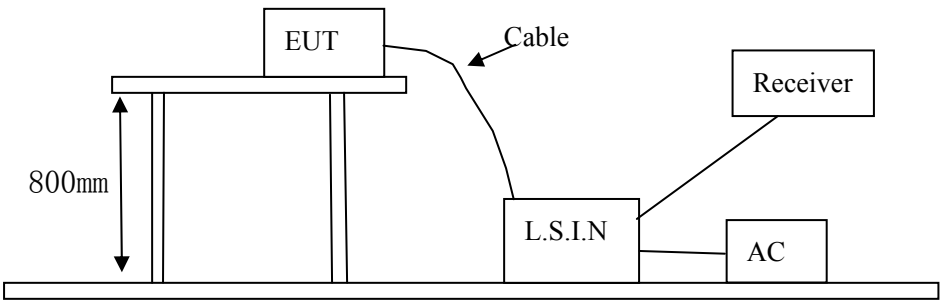


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. 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.

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. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Android Link Car Adapter Produce Parameters	Shenzhen Yichi innovation technology Co.,LTD	H6D 4K TV Stick	2BSRL-D105

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B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer	Model	Rating
Display	Dell	U2720QM	100-240V~, 50/60Hz, 2.5A

5.4 EUT Operating Condition

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

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 ~ .00	56.0	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)

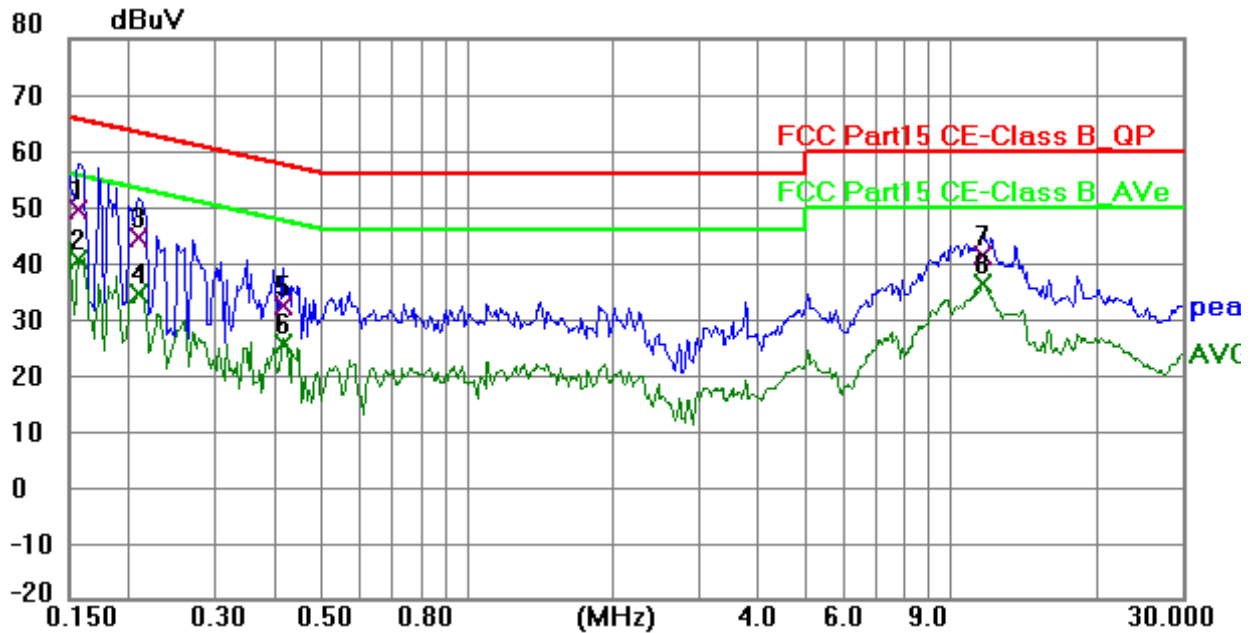
EUT Operating Environment

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

EUT set Condition: Keeping 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	0.1578	39.45	10.15	49.60	65.58	-15.98	QP	P
2	0.1578	30.25	10.15	40.40	55.58	-15.18	AVG	P
3	0.2085	34.26	10.13	44.39	63.26	-18.87	QP	P
4	0.2085	24.24	10.13	34.37	53.26	-18.89	AVG	P
5	0.4152	22.03	10.31	32.34	57.54	-25.20	QP	P
6	0.4152	15.37	10.31	25.68	47.54	-21.86	AVG	P
7	11.5995	30.90	10.39	41.29	60.00	-18.71	QP	P
8	11.5995	25.79	10.39	36.18	50.00	-13.82	AVG	P

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

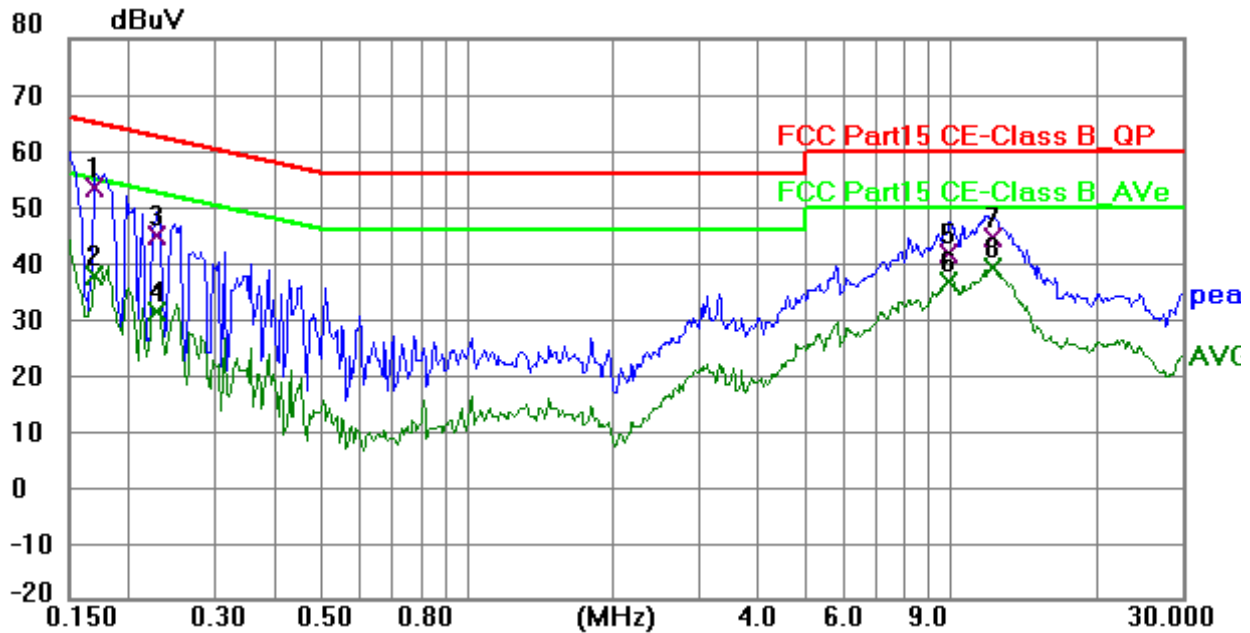
EUT Operating Environment

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

EUT set Condition: Keeping 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	0.1695	43.36	10.14	53.50	64.98	-11.48	QP	P
2	0.1695	27.63	10.14	37.77	54.98	-17.21	AVG	P
3	0.2280	34.76	10.14	44.90	62.52	-17.62	QP	P
4	0.2280	21.17	10.14	31.31	52.52	-21.21	AVG	P
5	9.8835	31.40	10.36	41.76	60.00	-18.24	QP	P
6	9.8835	26.41	10.36	36.77	50.00	-13.23	AVG	P
7	12.2508	34.24	10.39	44.63	60.00	-15.37	QP	P
8	12.2508	28.64	10.39	39.03	50.00	-10.97	AVG	P

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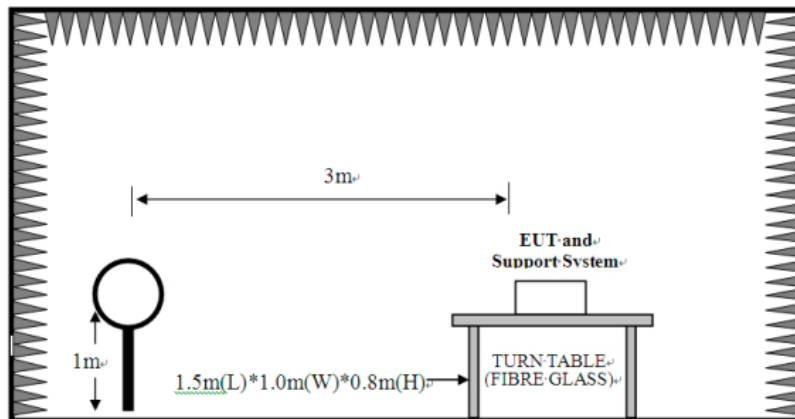
6 Undesirable Emission and Restrict band

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. The radiated test was performed at Timeway 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.
- (3) The frequency spectrum from 30 MHz to 40 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. 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



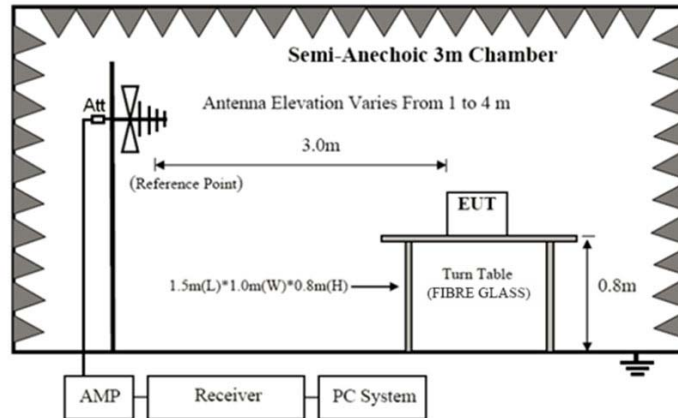
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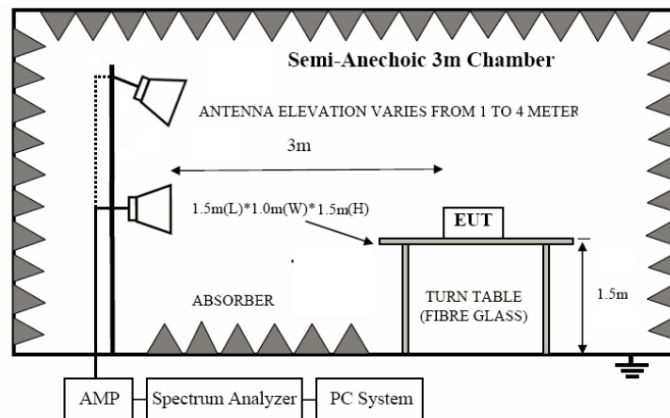
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For radiated emissions from 30MHz to 1GHz



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:

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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)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz
- (2) For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz.

- 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

Note: Only the worst case was recorded in the test report. 802.11a was the worst case.

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Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

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

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

The report refers only to the sample tested and does not apply to the bulk.

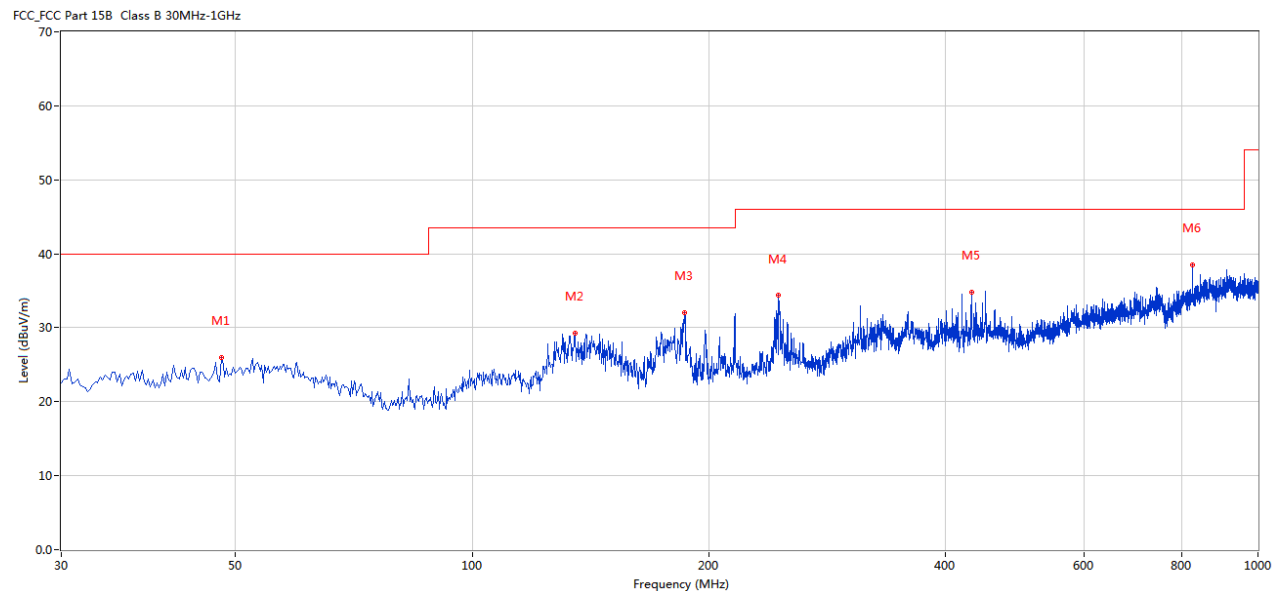
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Test Figure:

H



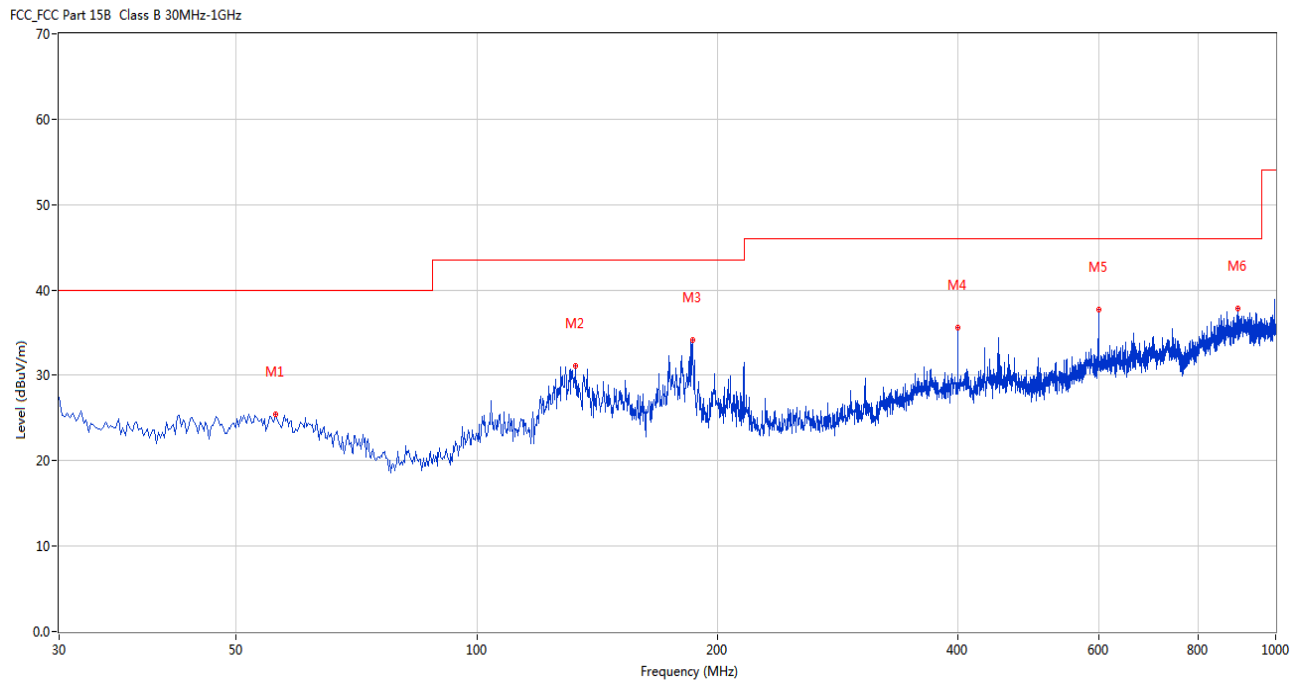
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.941	25.94	-8.84	40.0	14.06	Peak	293.00	100	Horizontal	Pass
2	135.219	29.23	-13.08	43.5	14.27	Peak	1.00	100	Horizontal	Pass
3	186.373	32.09	-10.77	43.5	11.41	Peak	104.00	100	Horizontal	Pass
4	245.529	34.35	-8.82	46.0	11.65	Peak	164.00	100	Horizontal	Pass
5	431.722	34.81	-4.30	46.0	11.19	Peak	211.00	100	Horizontal	Pass
6	825.201	38.46	0.59	46.0	7.54	Peak	182.00	100	Horizontal	Pass

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Test Figure:

V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	55.941	25.47	-8.53	40.0	14.53	Peak	312.00	100	Vertical	Pass
2	133.037	31.12	-11.76	43.5	12.38	Peak	251.00	100	Vertical	Pass
3	186.131	34.17	-10.77	43.5	9.33	Peak	243.00	100	Vertical	Pass
4	399.963	35.63	-4.94	46.0	10.37	Peak	328.00	100	Vertical	Pass
5	599.975	37.75	-1.52	46.0	8.25	Peak	319.00	100	Vertical	Pass
6	896.963	37.86	2.17	46.0	8.14	Peak	354.00	100	Vertical	Pass

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Operation Mode: Keeping Transmitting under CH149 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5745.00	98.52 (PK)	H	Fundamental Frequency
5745.00	90.41 (PK)	V	
11490	--	V	74(Peak)/ 54(AV)
11490	--	H	74(Peak)/ 54(AV)
17235	--	H/V	74(Peak)/ 54(AV)
22980	--	H/V	74(Peak)/ 54(AV)
28725	--	H/V	74(Peak)/ 54(AV)
34470	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
2. Remark "---" means that the emissions level is too low to be measured

Operation Mode: Keeping Transmitting under CH157 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5785.00	99.40 (PK)	H	Fundamental Frequency
5785.00	91.53 (PK)	V	
11570	--	V	74(Peak)/ 54(AV)
11570	--	H	74(Peak)/ 54(AV)
17355	--	H/V	74(Peak)/ 54(AV)
23140	--	H/V	74(Peak)/ 54(AV)
28925	--	H/V	74(Peak)/ 54(AV)
34710	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
2. Remark "---" means that the emissions level is too low to be measured

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Operation Mode: Keeping Transmitting under CH161 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5825.00	97.05 (PK)	H	Fundamental Frequency
5825.00	88.98 (PK)	V	
11650	--	V	74(Peak)/ 54(AV)
11650	--	H	74(Peak)/ 54(AV)
17475	--	H/V	74(Peak)/ 54(AV)
23300	--	H/V	74(Peak)/ 54(AV)
29125	--	H/V	74(Peak)/ 54(AV)
34950	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
2. Remark "---" means that the emissions level is too low to be measured

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	53.7 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-41.5		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 53.7 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.7 - 95.2 = -41.5 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	48.5(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-46.7		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 48.5 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.5 - 95.2 = -46.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	56.1(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-39.1		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 56.1\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 56.1 - 95.2 = -39.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	50.6 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-44.6		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 50.6\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.6 - 95.2 = -44.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	52.3 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.9		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 52.3\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.3 - 95.2 = -42.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	46.7(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-48.5		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 46.7\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 46.7 - 95.2 = -48.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	55.3 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-39.9		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 55.3\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.3 - 95.2 = -39.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	48.3 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-46.9		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 48.3\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.3 - 95.2 = -46.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	52.6(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.6		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 52.6 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.6 - 95.2 = -42.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	47.2(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-48.0		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 47.2 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.2 - 95.2 = -48.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	55.6 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-39.6		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 55.6\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.6 - 95.2 = -39.6\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	49.5(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-45.7		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 49.5\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.5 - 95.2 = -45.7\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	54.6 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-40.6		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 54.6 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 54.6 - 95.2 = -40.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	48.1(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-47.1		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 48.1 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.1 - 95.2 = -47.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	57.3(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-37.9		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 57.3\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 57.3 - 95.2 = -37.9\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	53.2(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.0		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 53.2\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.2 - 95.2 = -42.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	50.2 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-45.0		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 50.2\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.2 - 95.2 = -45.0\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	45.1(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-50.1		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 45.1\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.1 - 95.2 = -50.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	58.8 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-36.4		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 58.8\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 58.8 - 95.2 = -36.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	52.9(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.3		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 52.9\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.9 - 95.2 = -42.3\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	52.9 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.3		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 52.9 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.9 - 95.2 = -42.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 149 (5745MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	48.9(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-46.3		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 48.9 \text{ dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.9 - 95.2 = -46.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	55.7(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-39.5		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 55.7\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.7 - 95.2 = -39.5\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 161 (5825MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	52.9(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-42.3		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 52.9\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.9 - 95.2 = -42.3\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	53.5 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-41.7		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 53.5\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.5 - 95.2 = -41.7\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 151 (5755MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5725	PK (dBμV/m)	48.8(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-46.4		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 48.8\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.8 - 95.2 = -46.4\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	59.1 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-36.1		
Polarity	Horizontal		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 59.1\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 59.1 - 95.2 = -36.1\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	Android Link Car Adapter Produce Parameters		Test Mode:	Channel 159 (5795MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5850	PK (dBμV/m)	53.4 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-41.8		
Polarity	Vertical		--	--

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if $\text{E[dB}\mu\text{V/m]} = 53.4\text{dB}\mu\text{V/m}$,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.4 - 95.2 = -41.8\text{dBm}$$

2. RBW=1MHz, VBW=3MHz

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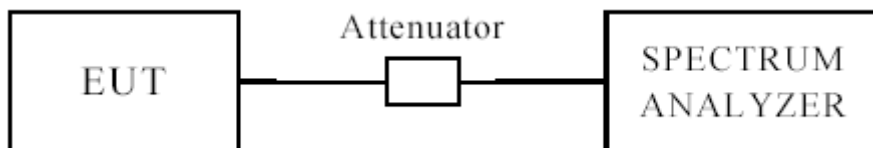
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7.0 Emission Bandwidth

7.1 Test Setup



7.3 Test Procedure for Emission Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW > 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 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

7.4 Test Procedure for Minimum Bandwidth for the Band 5725-5850MHz

1. Set RBW = 100 kHz.
2. Set $VBW \geq 3 \times RBW$.
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 frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.5 Test Procedure for 99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times OBW
3. Set RBW = 1% TO 5% of the OBW
4. Set $VBW \geq 3 \times RBW$
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Other, peak detection and max mode (until trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument

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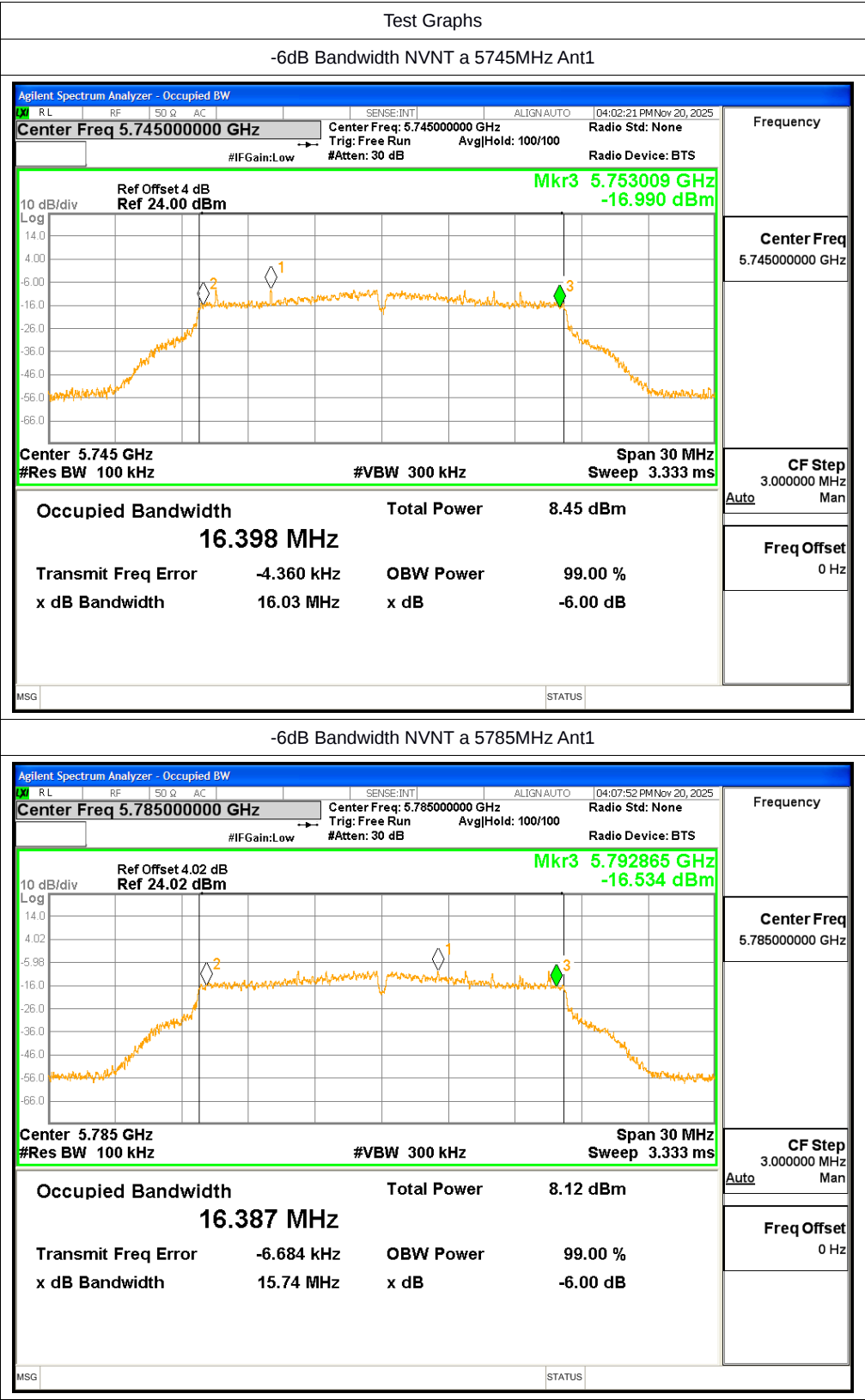


7.6 Test Result

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.027	0.5	Pass
		5785		15.743	0.5	Pass
		5825		16.046	0.5	Pass
	n20	5745		17.346	0.5	Pass
		5785		17.594	0.5	Pass
		5825		17.493	0.5	Pass
	n40	5755		35.954	0.5	Pass
		5795		36.189	0.5	Pass
	ac20	5745		17.191	0.5	Pass
		5785		17.582	0.5	Pass
		5825		17.206	0.5	Pass
	ac40	5755		35.745	0.5	Pass
		5795		36.261	0.5	Pass
	ax20	5745		17.502	0.5	Pass
		5785		17.036	0.5	Pass
		5825		17.516	0.5	Pass
	ax40	5755		35.161	0.5	Pass
		5795		35.38	0.5	Pass

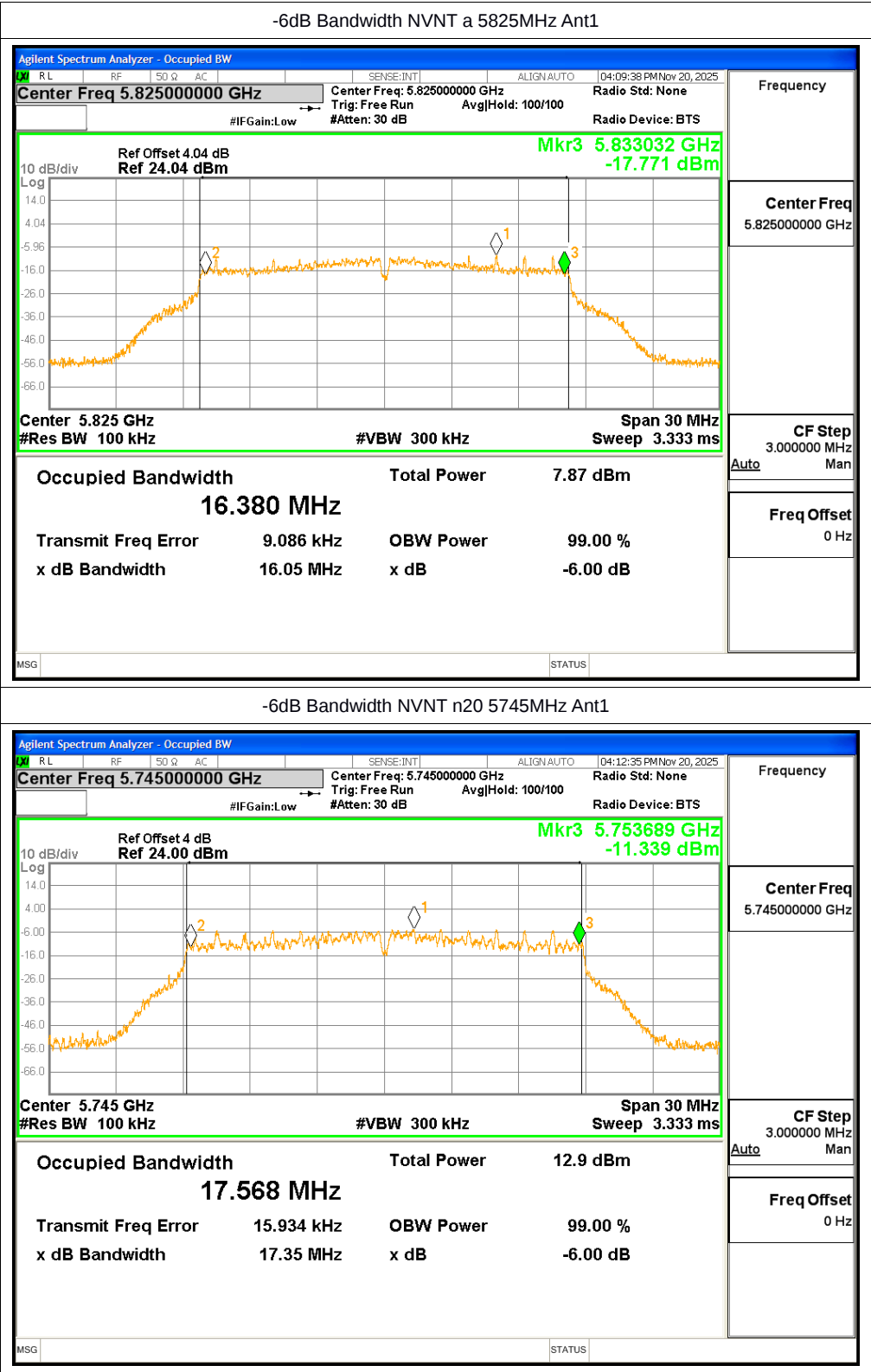
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

04:12:35 PM Nov 20, 2025

Center Freq 5.745000000 GHz

Center Freq: 5.745000000 GHz

Radio Std: None

#IF Gain: Low

Trig: Free Run

Avg/Hold: 100/100

Radio Device: BTS

Ref Offset 4 dB

Ref 24.00 dBm

Mkr3 5.753689 GHz

-11.339 dBm

Center 5.745 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 30 MHz

Sweep 3.333 ms

Occupied Bandwidth

Total Power

12.9 dBm

17.568 MHz

Transmit Freq Error

15.934 kHz

OBW Power

99.00 %

x dB Bandwidth

17.35 MHz

x dB

-6.00 dB

Frequency

Center Freq

5.745000000 GHz

CF Step

3.000000 MHz

Auto

Man

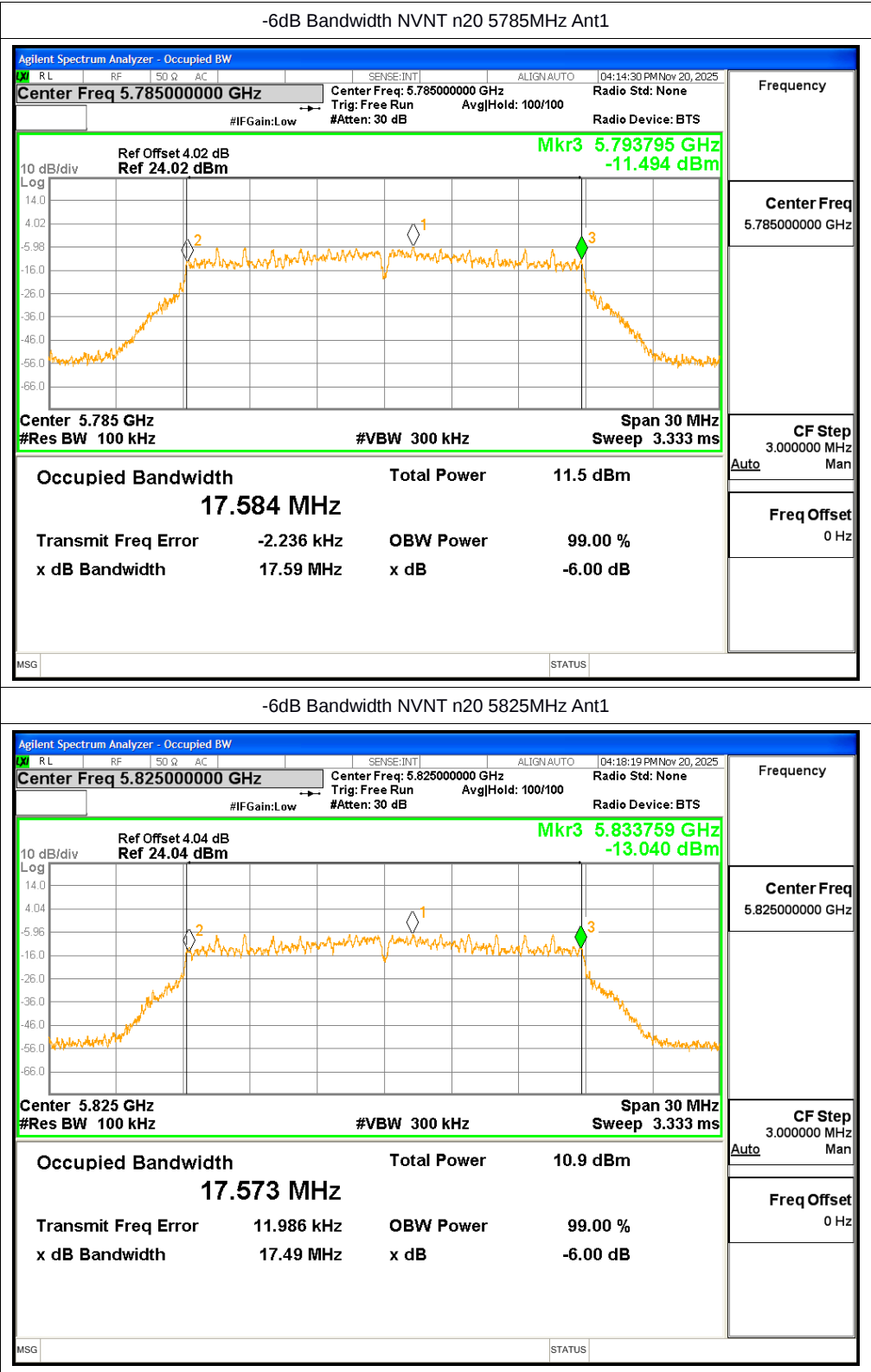
Freq Offset

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MSG

STATUS

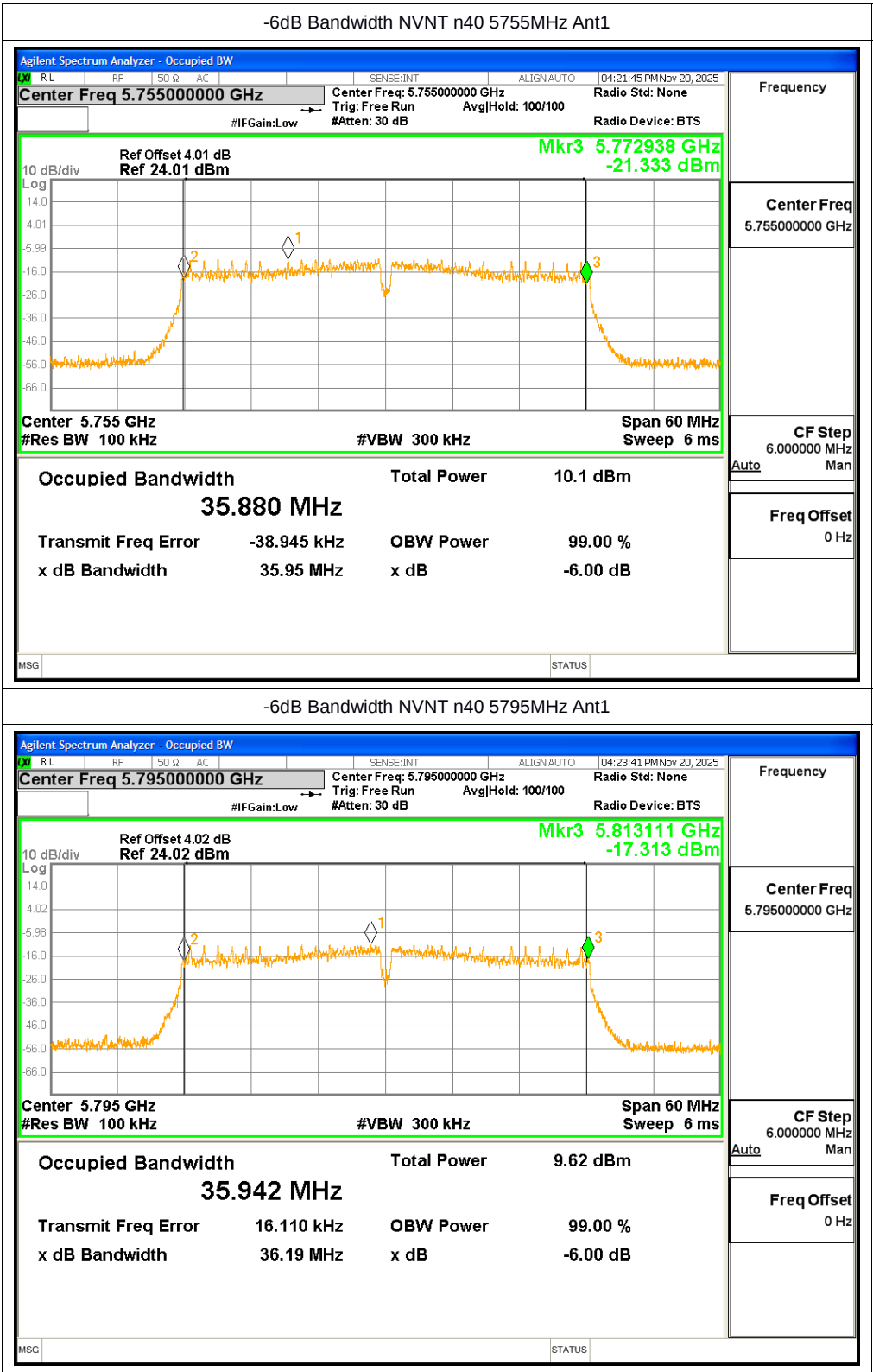
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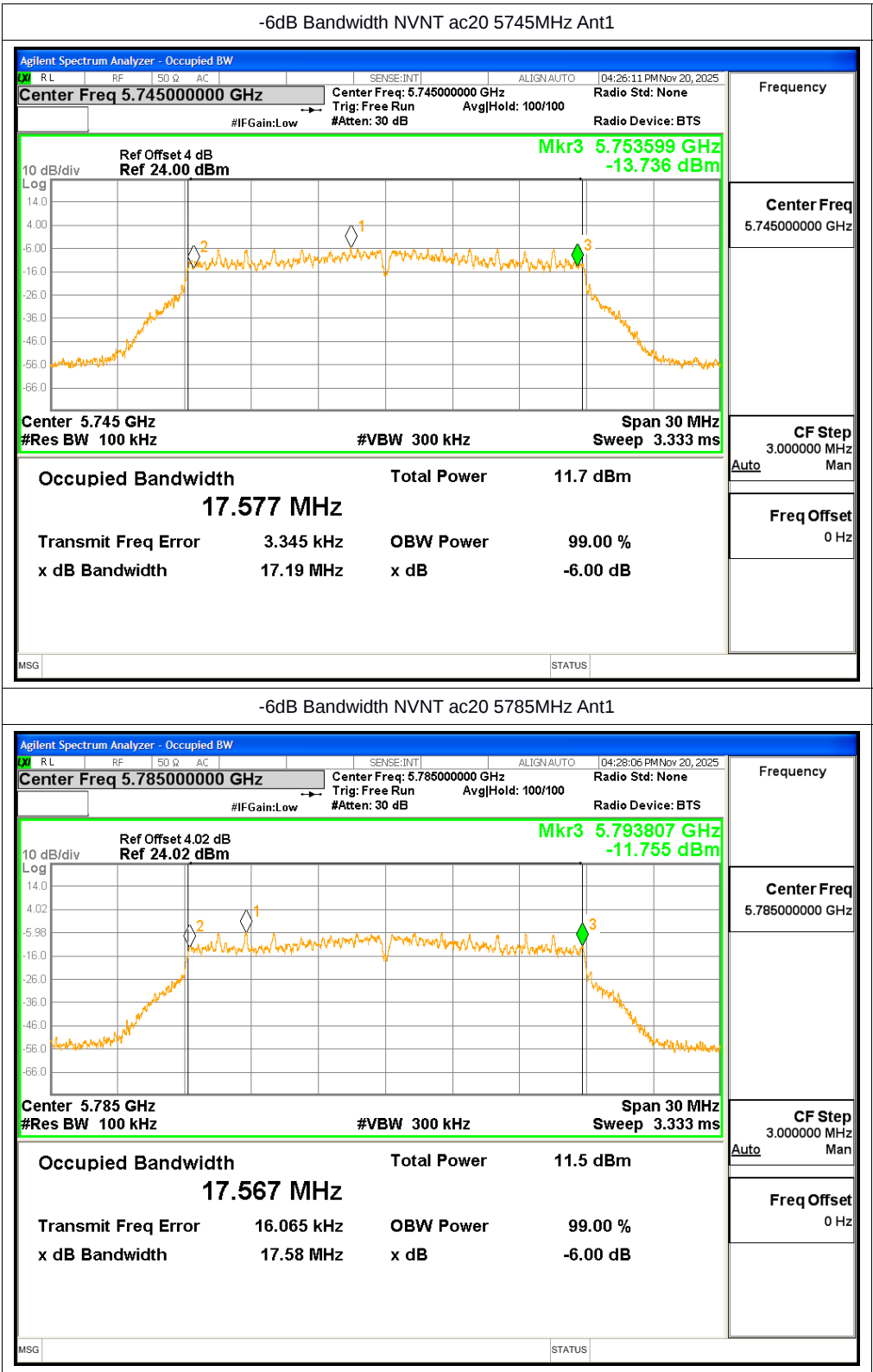
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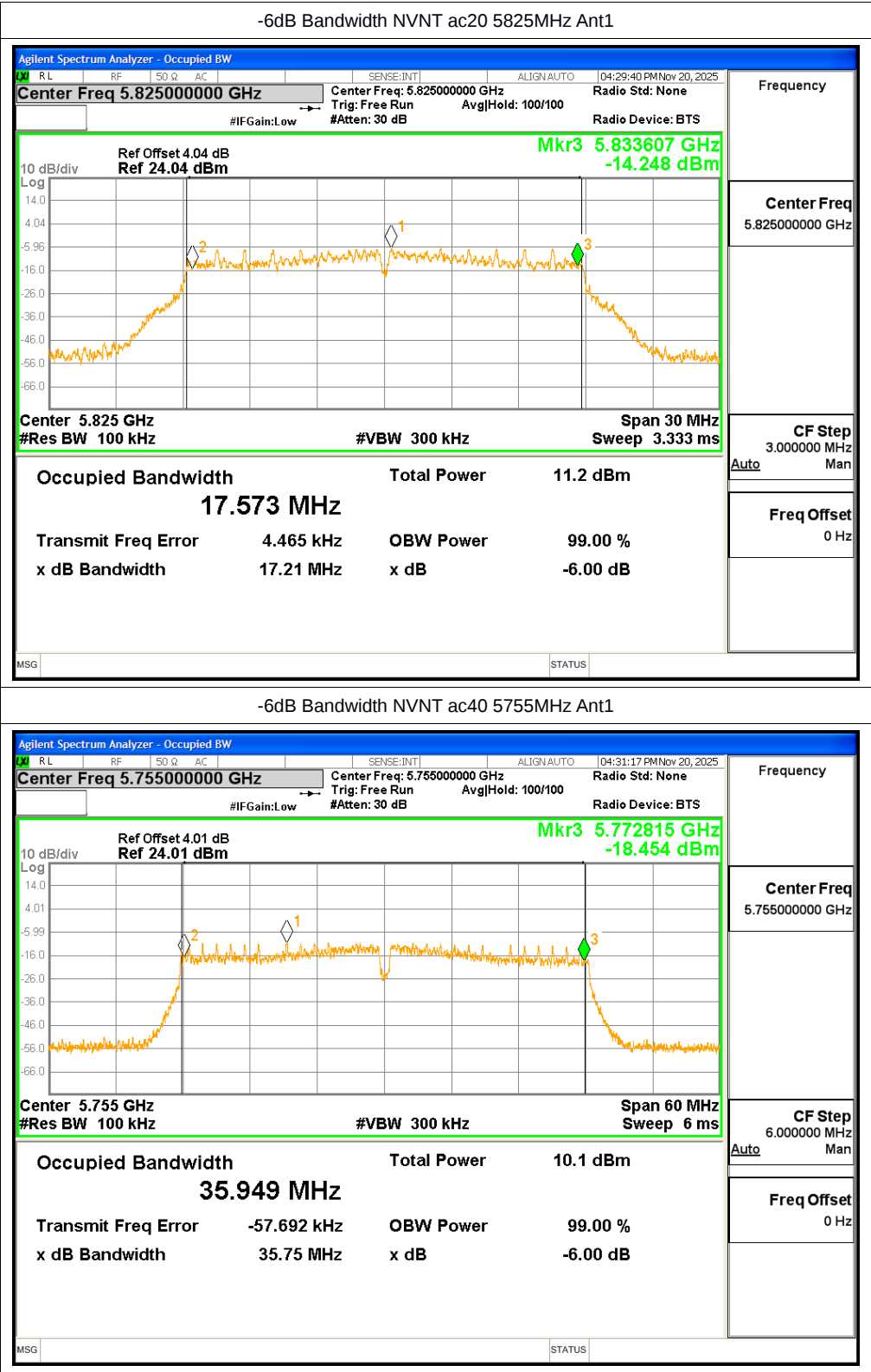
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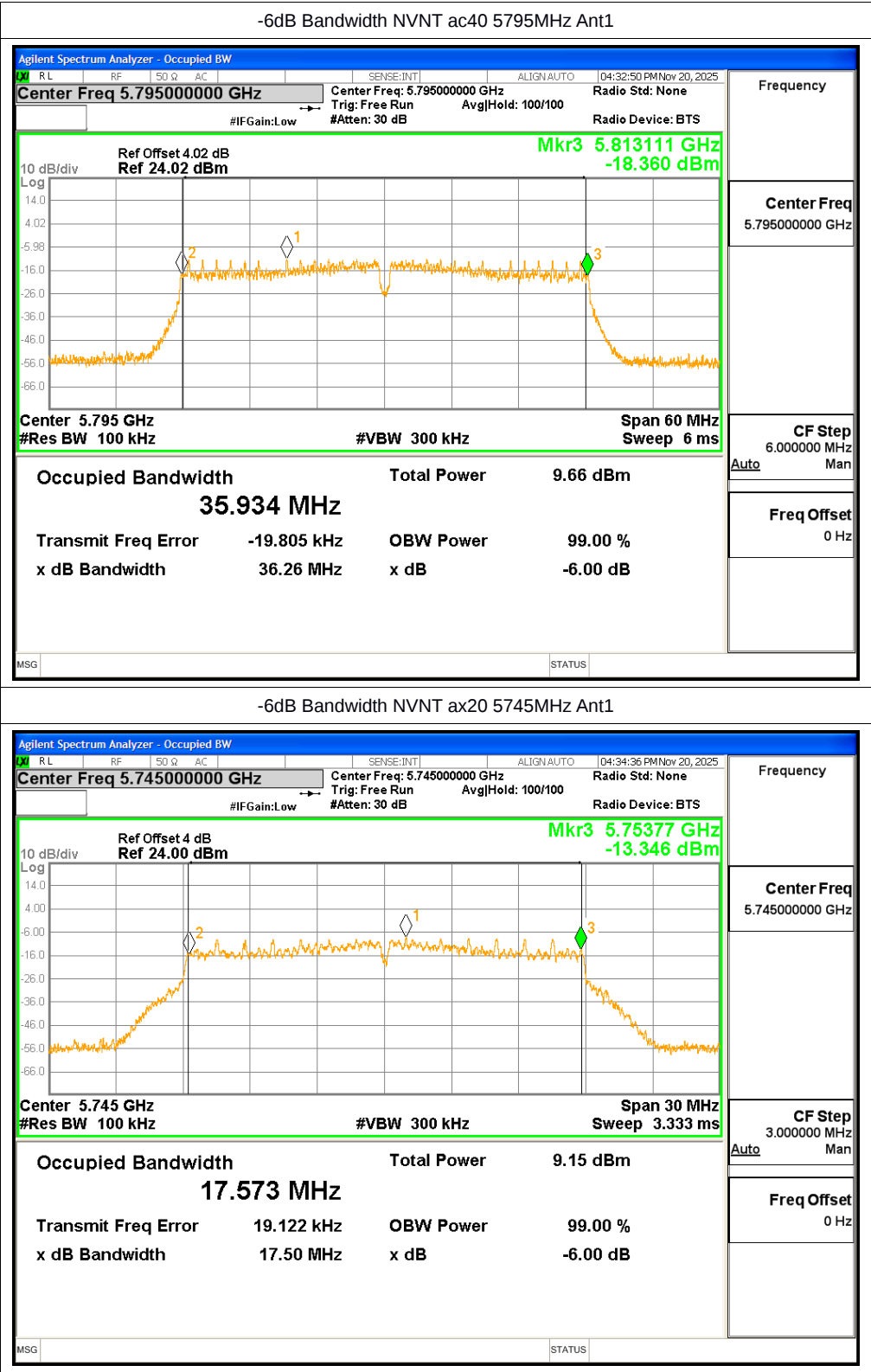
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

04:34:36 PM Nov 20, 2025

Center Freq 5.745000000 GHz

Center Freq: 5.745000000 GHz

Radio Std: None

#IF Gain: Low

Trig: Free Run

Avg/Hold: 100/100

Radio Device: BTS

Ref Offset 4 dB

Ref 24.00 dBm

Mkr3 5.75377 GHz

-13.346 dBm

Center 5.745 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 30 MHz

Sweep 3.333 ms

Occupied Bandwidth

Total Power

9.15 dBm

17.573 MHz

Transmit Freq Error

19.122 kHz

OBW Power

99.00 %

x dB Bandwidth

17.50 MHz

x dB

-6.00 dB

Frequency

Center Freq

5.745000000 GHz

CF Step

3.000000 MHz

Auto

Man

Freq Offset

0 Hz

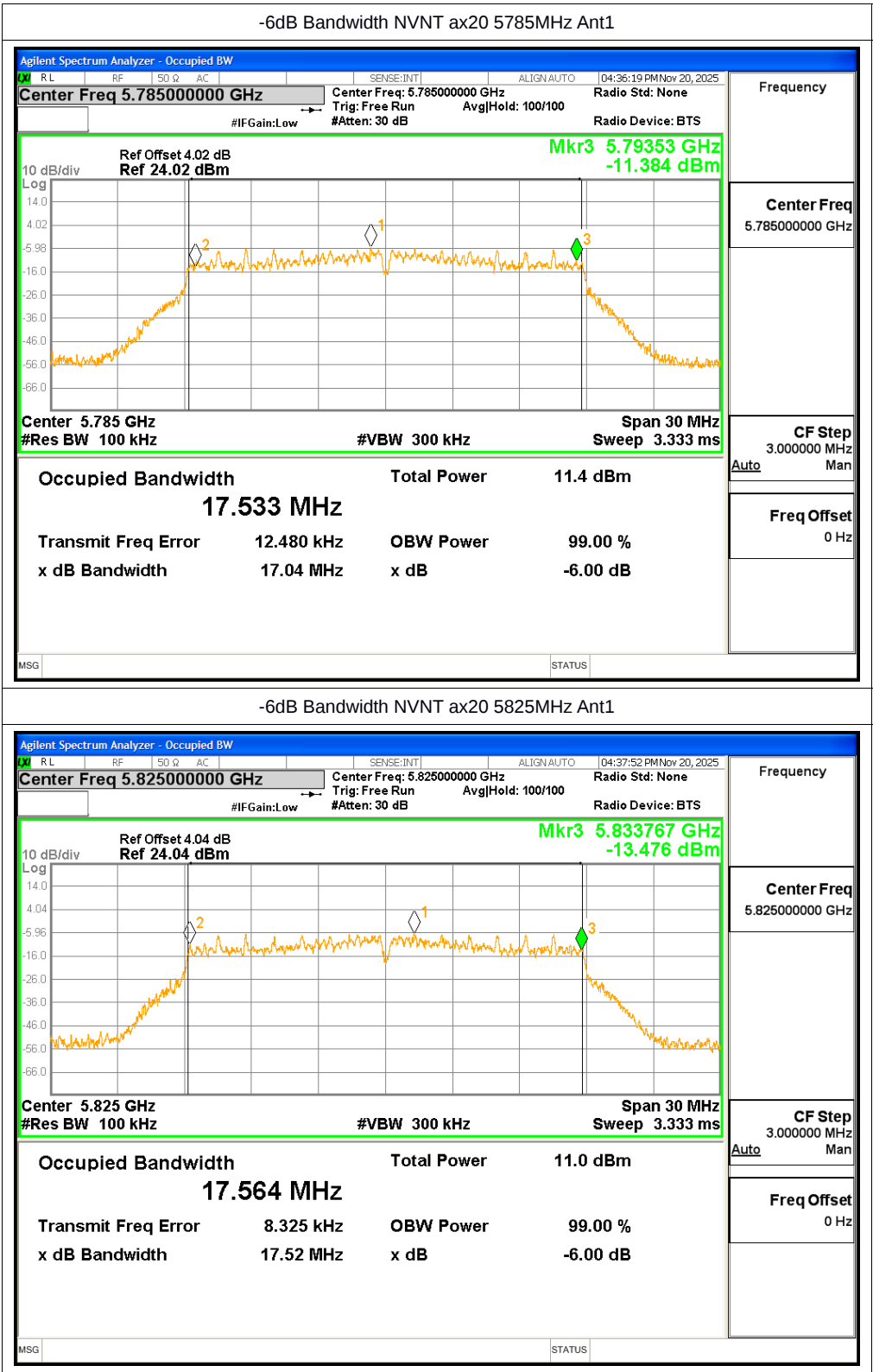
MSG

STATUS

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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

04:37:52 PM Nov 20, 2025

Center Freq 5.825000000 GHz

Center Freq: 5.825000000 GHz

Radio Std: None

#IF Gain: Low

Trig: Free Run

Avg/Hold: 100/100

Radio Device: BTS

Ref Offset 4.04 dB

Ref 24.04 dBm

Mkr3 5.833767 GHz

-13.476 dBm

Center 5.825 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 30 MHz

Sweep 3.333 ms

Occupied Bandwidth

17.564 MHz

Total Power

11.0 dBm

Transmit Freq Error

8.325 kHz

OBW Power

99.00 %

x dB Bandwidth

17.52 MHz

x dB

-6.00 dB

Frequency

Center Freq

5.825000000 GHz

CF Step

3.000000 MHz

Auto

Man

Freq Offset

0 Hz

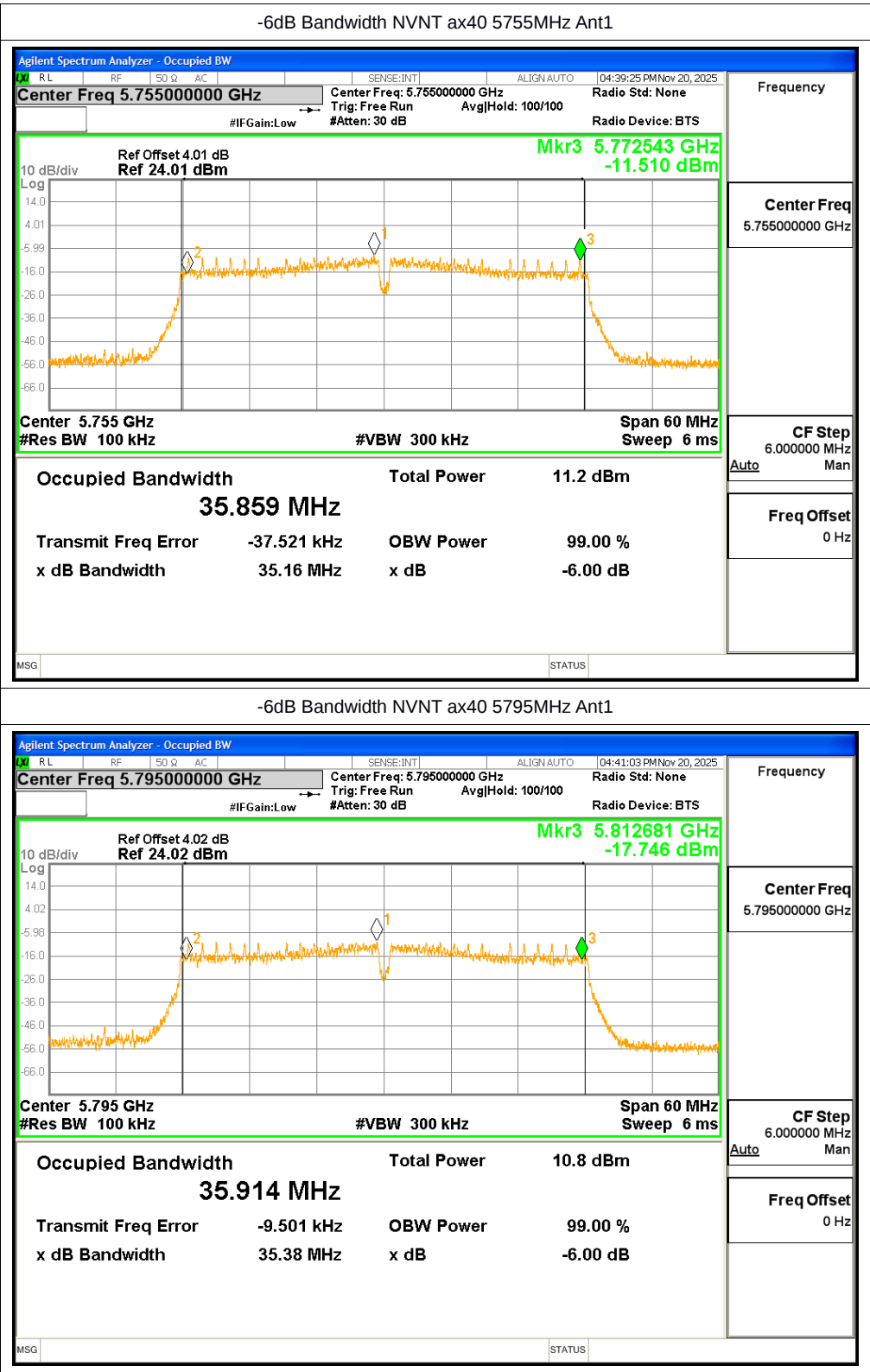
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Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

SENSE:INT

ALIGN: AUTO

04:41:03 PM Nov 20, 2025

Center Freq 5.795000000 GHz

Center Freq: 5.795000000 GHz

Radio Std: None

#IF Gain: Low

Trig: Free Run

Avg/Hold: 100/100

Radio Device: BTS

Ref Offset 4.02 dB

Ref 24.02 dBm

Mkr3 5.812681 GHz

-17.746 dBm

Center 5.795 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60 MHz

Sweep 6 ms

Occupied Bandwidth

35.914 MHz

Total Power

10.8 dBm

Transmit Freq Error

-9.501 kHz

OBW Power

99.00 %

x dB Bandwidth

35.38 MHz

x dB

-6.00 dB

MSG

STATUS

Frequency

Center Freq

5.795000000 GHz

CF Step

6.000000 MHz

Auto

Man

Freq Offset

0 Hz

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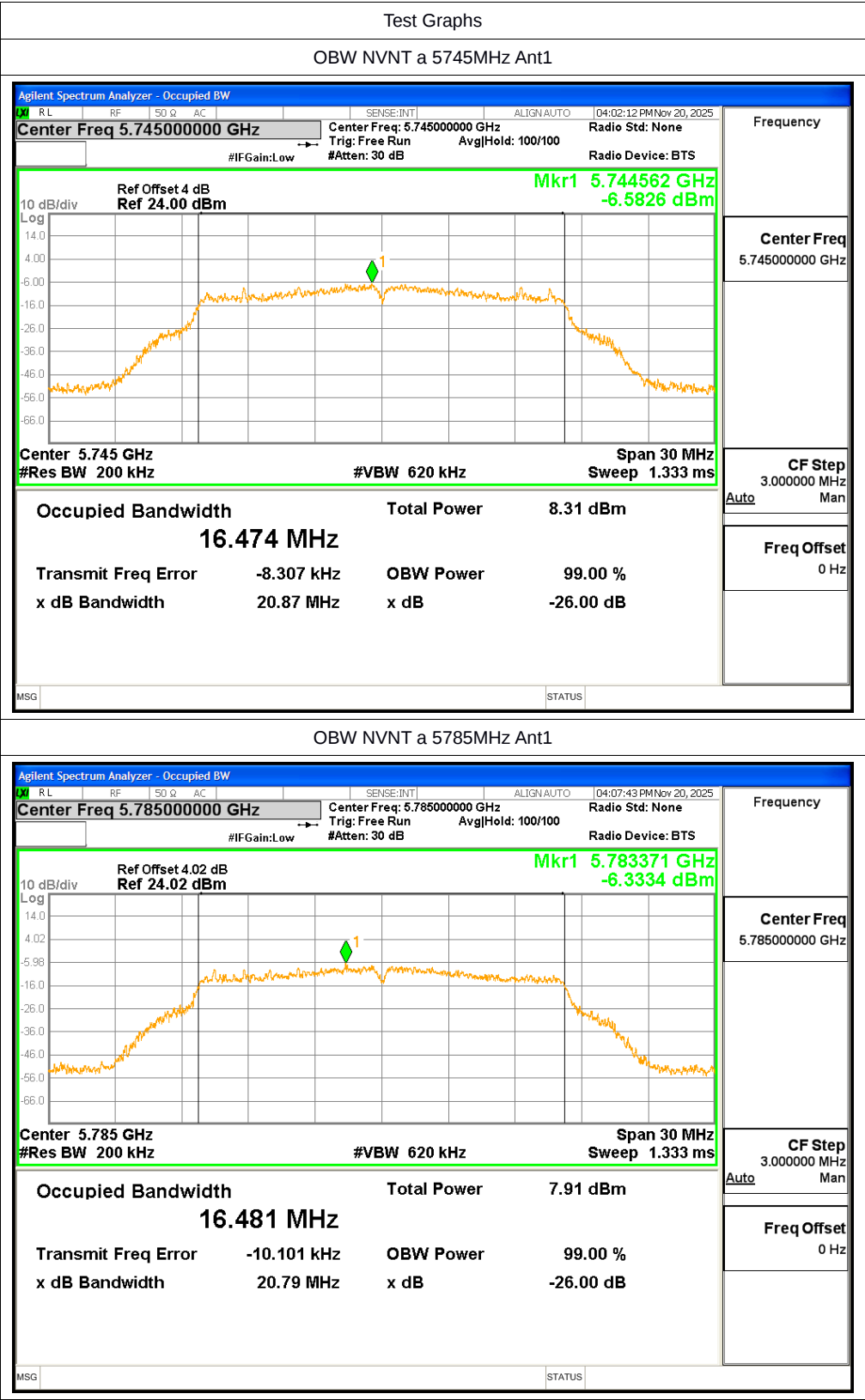
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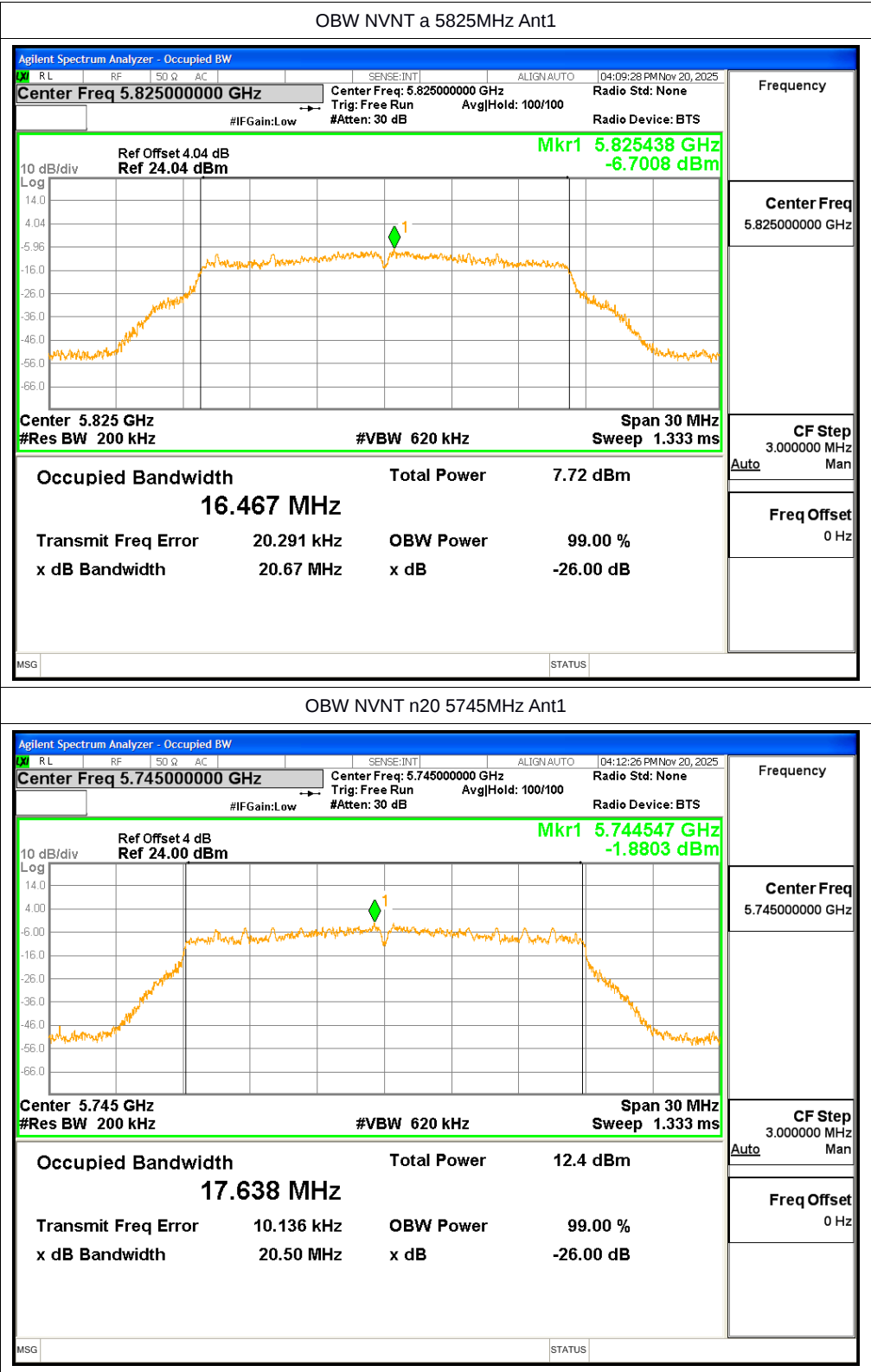


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.474
		5785		16.481
		5825		16.467
	n20	5745		17.638
		5785		17.611
		5825		17.581
	n40	5755		35.99
		5795		36.044
	ac20	5745		17.608
		5785		17.587
		5825		17.598
	ac40	5755		35.973
		5795		36.051
	ax20	5745		17.616
		5785		17.576
		5825		17.606
	ax40	5755		35.968
		5795		36.108

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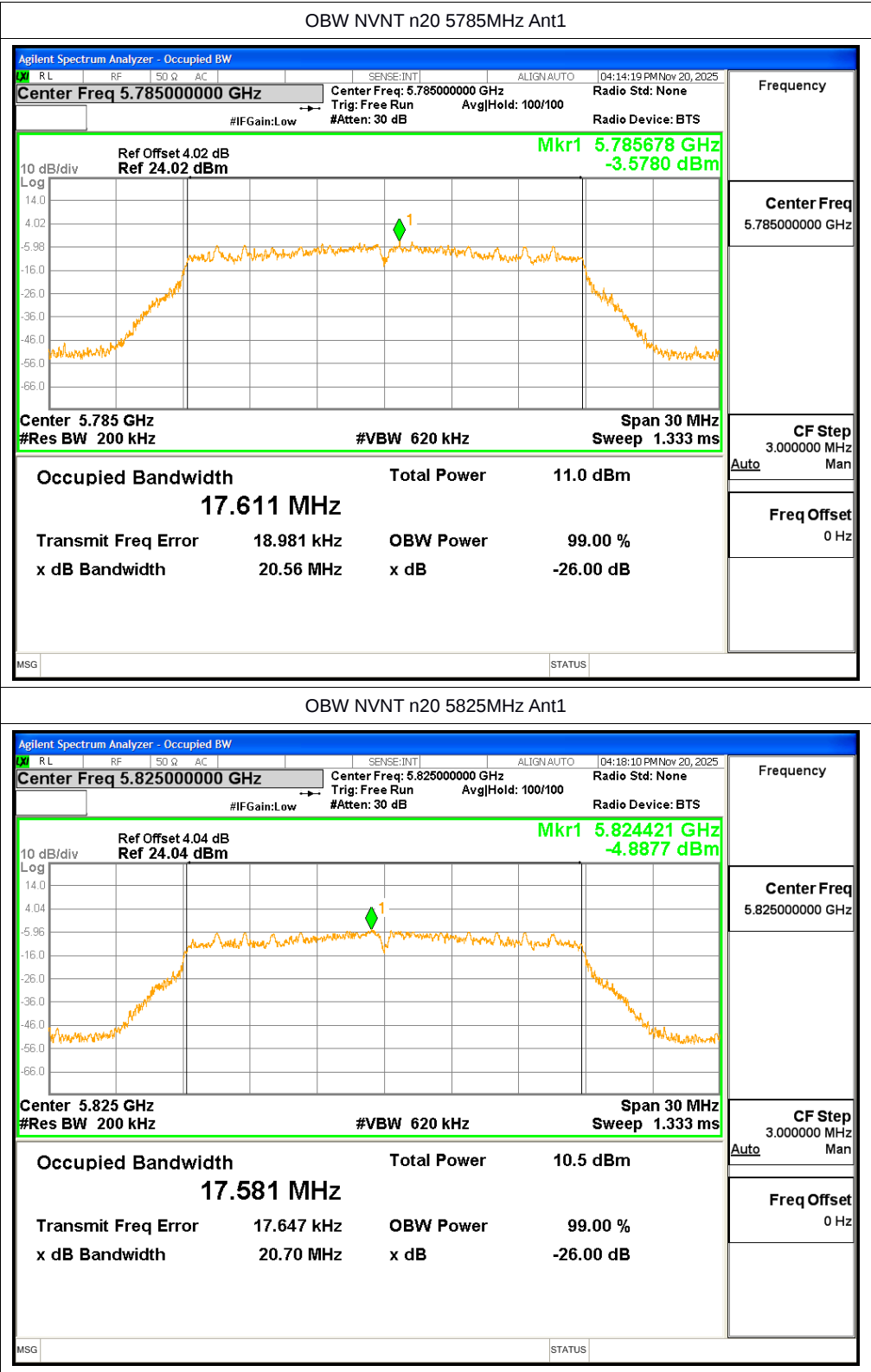




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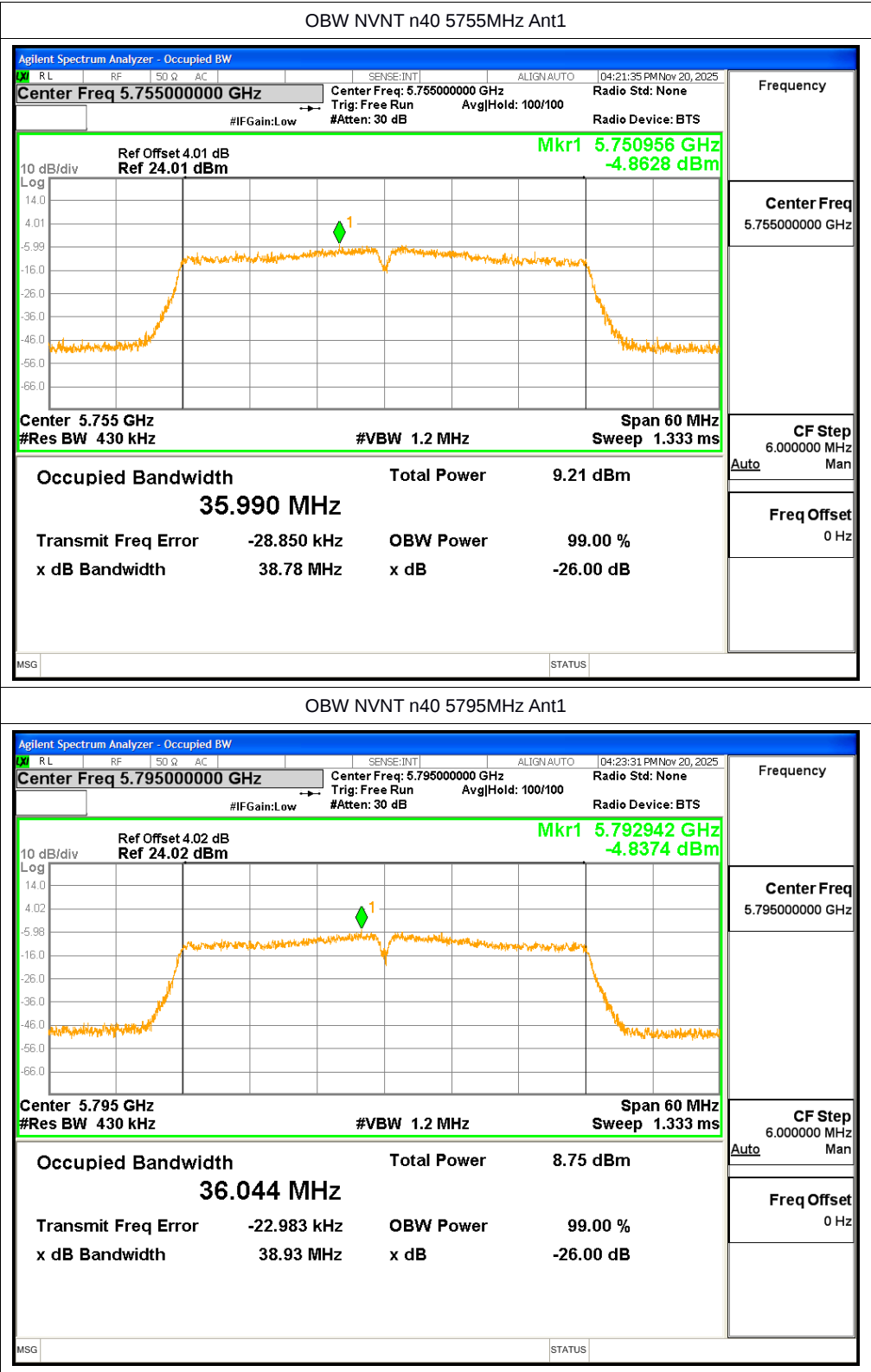
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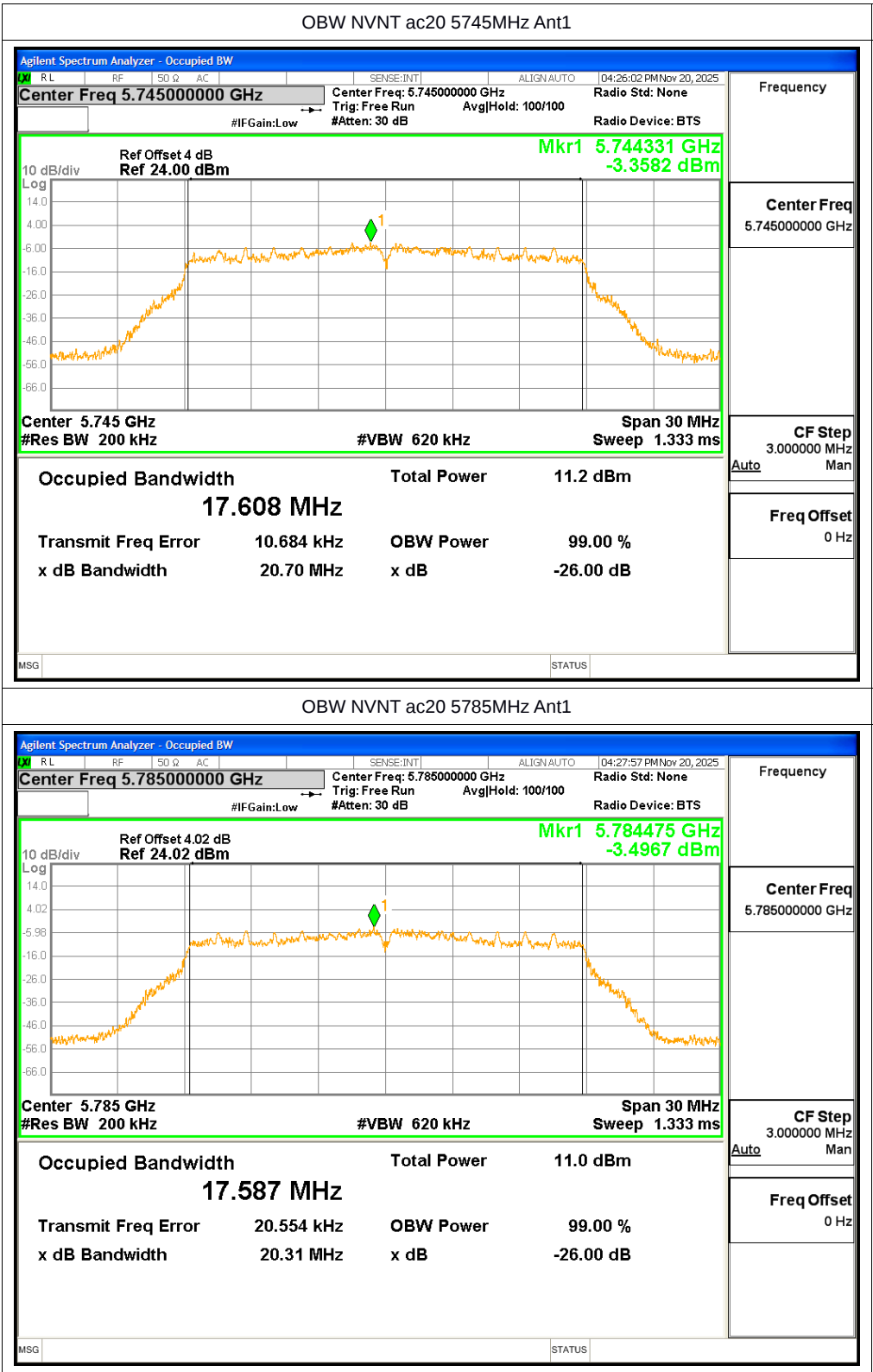
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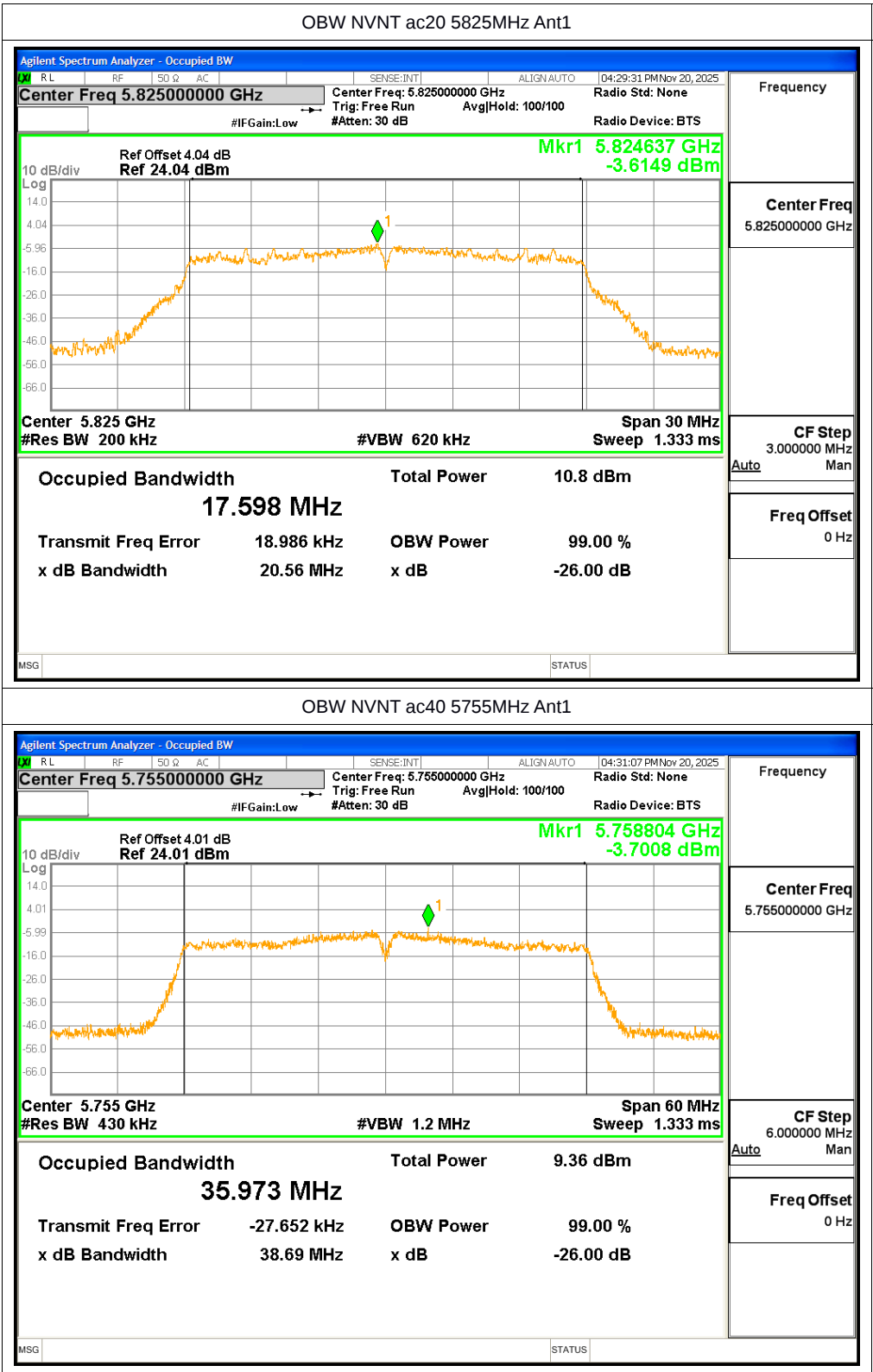
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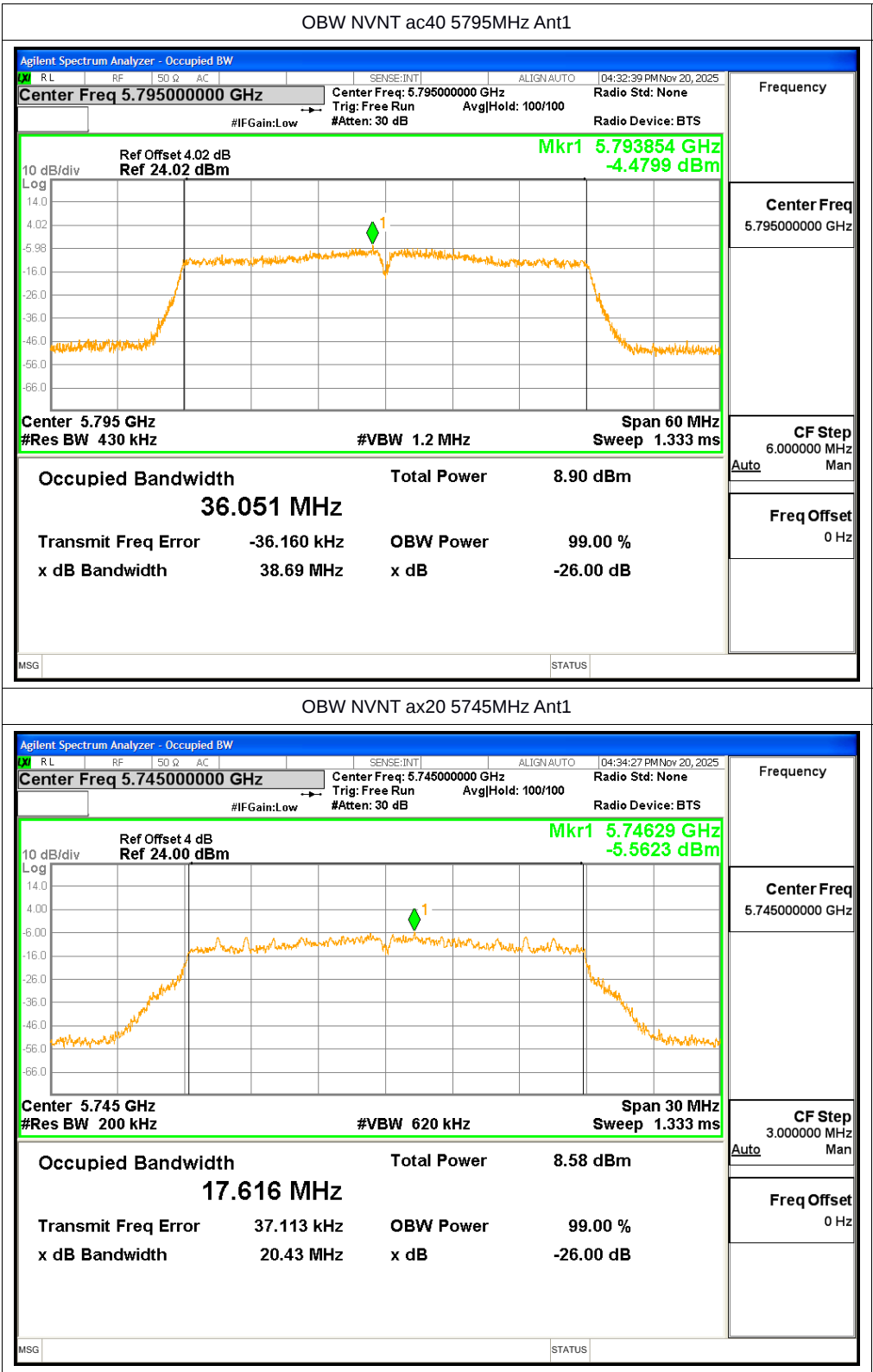
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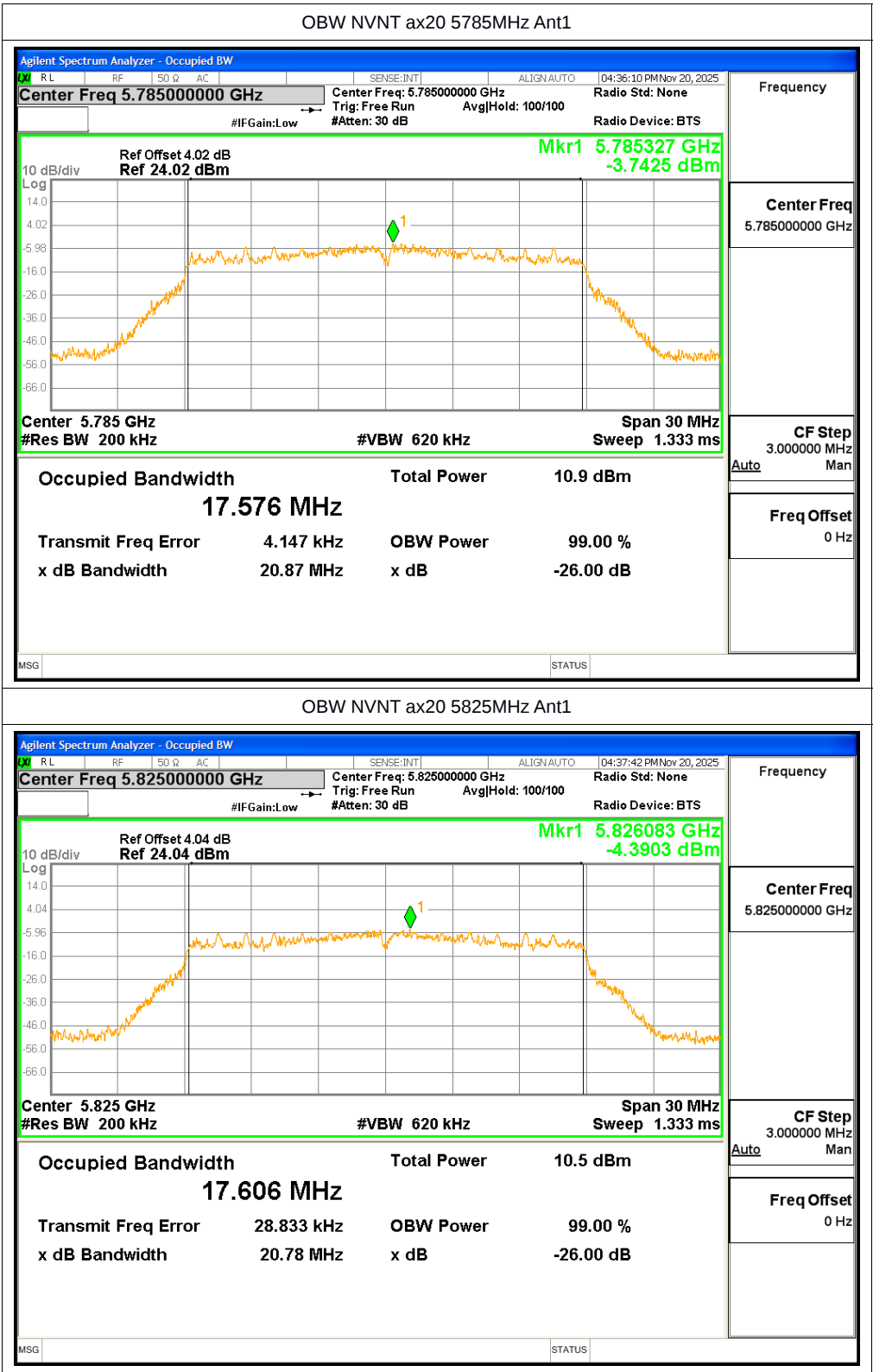
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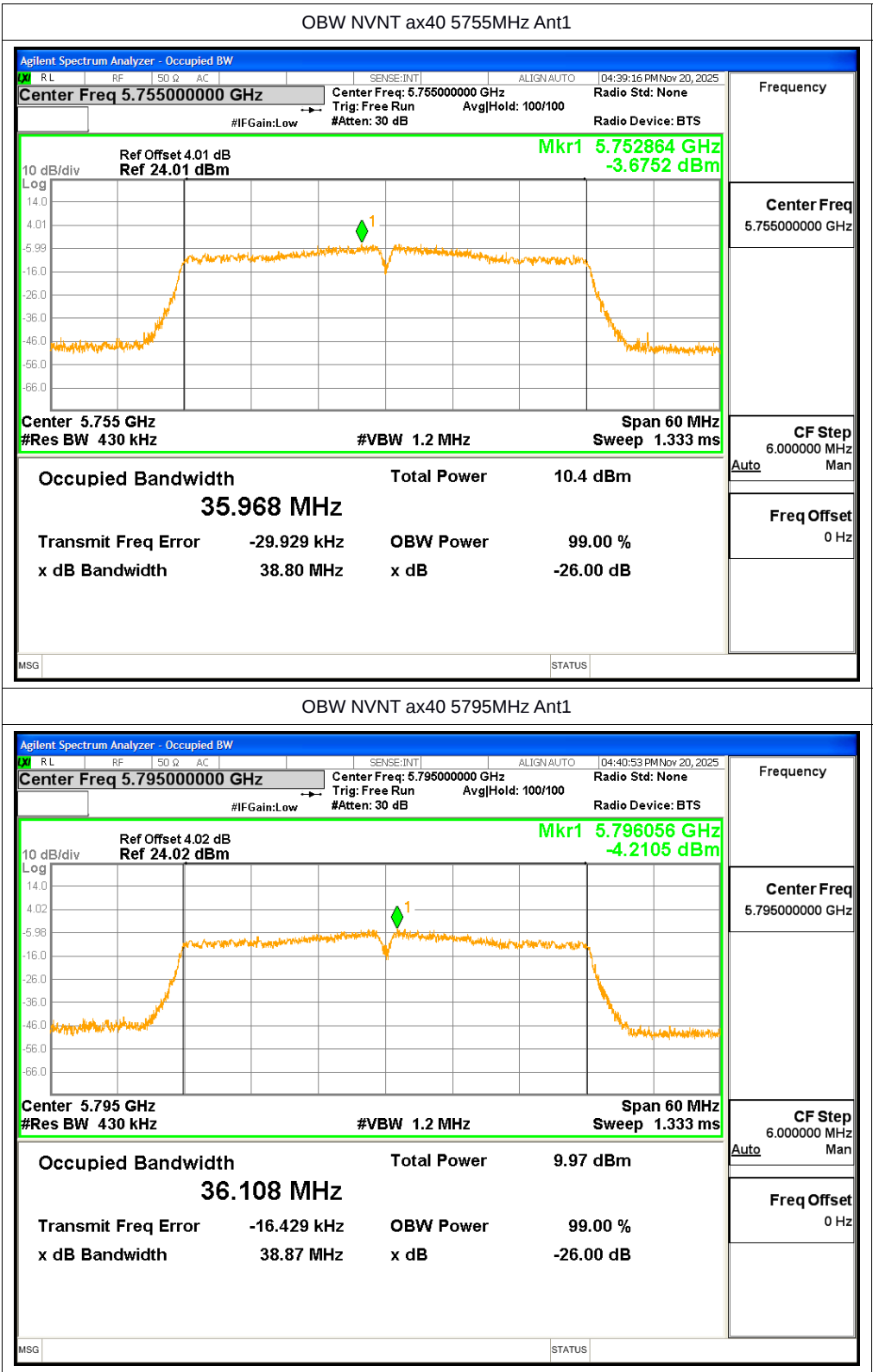
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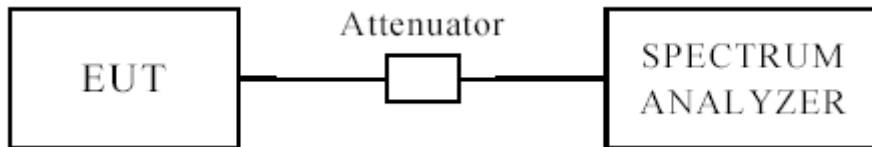
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8.0 Peak Transmit Power Measurement

8.1 Test Setup



8.2 Limits of Peak Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) $\cong$ (Max. e.i.r.p 125mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
		Mobile and Portable client device	250mW (24 dBm)
U-NII-2A	--		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	--		250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	√		1 Watt (30 dBm)

8.3 Test Procedure

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

Note: the average power was measured

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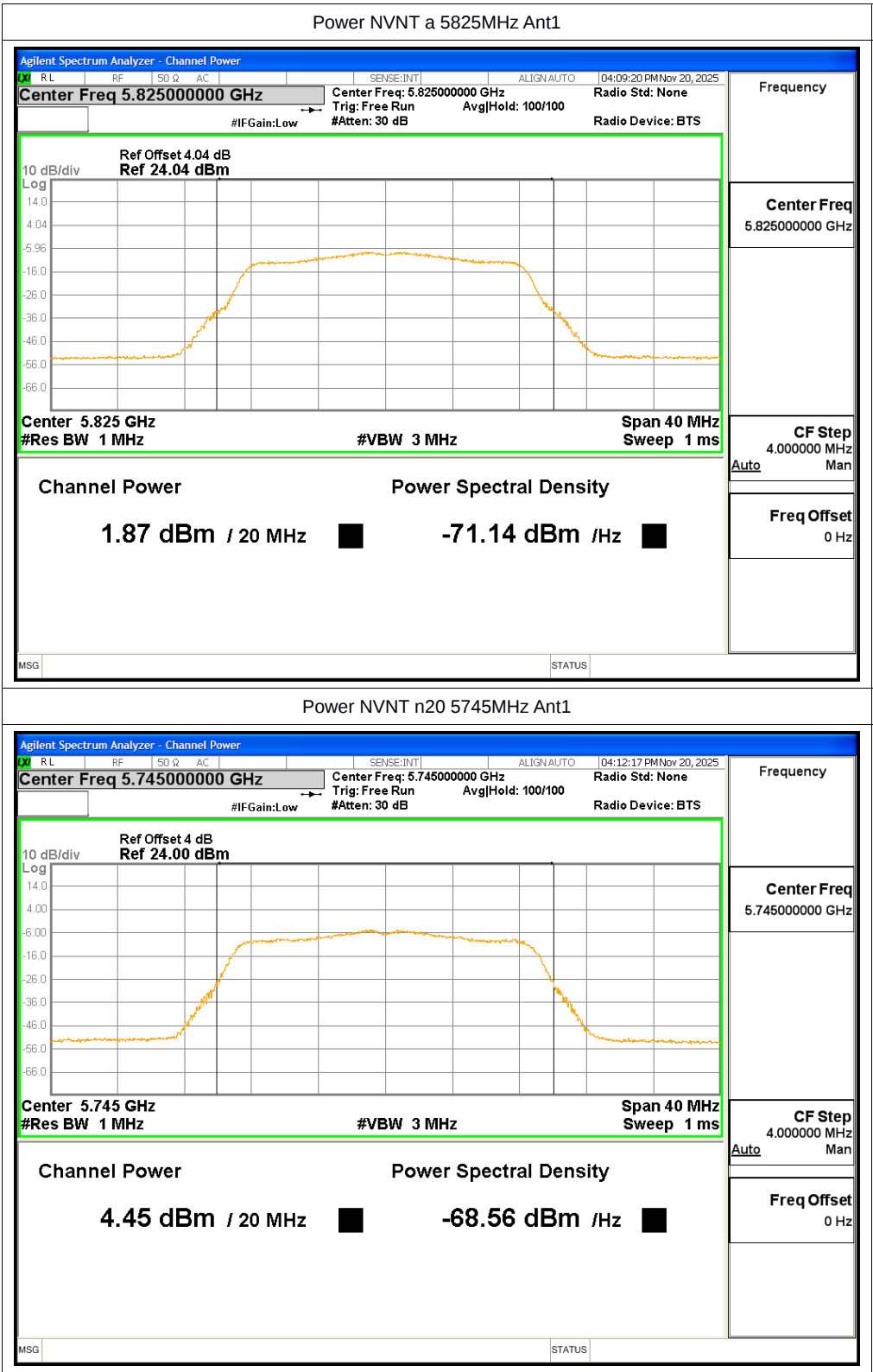


8.4 Test Results

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.49	0	2.49	30	Pass
		5785		2.16	0	2.16	30	Pass
		5825		1.87	0	1.87	30	Pass
	n20	5745		4.45	0	4.45	30	Pass
		5785		2.89	0	2.89	30	Pass
		5825		2.41	0	2.41	30	Pass
	n40	5755		1.97	0	1.97	30	Pass
		5795		1.64	0	1.64	30	Pass
	ac20	5745		3.21	0	3.21	30	Pass
		5785		2.93	0	2.93	30	Pass
		5825		2.7	0	2.7	30	Pass
	ac40	5755		2.19	0	2.19	30	Pass
		5795		1.68	0	1.68	30	Pass
	ax20	5745		0.62	0	0.62	30	Pass
		5785		2.8	0	2.8	30	Pass
		5825		2.65	0	2.65	30	Pass
	ax40	5755		3.24	0	3.24	30	Pass
		5795		2.9	0	2.9	30	Pass

- Note: 1. At final test to get the worst-case emission at mcs0 for CH36, CH40, CH48, CH149, CH153 and CH161
2. The result basic equation calculation as follow:
Average Power Output = AV Power Reading + Cable loss + Attenuator
3. The worse case was recorded

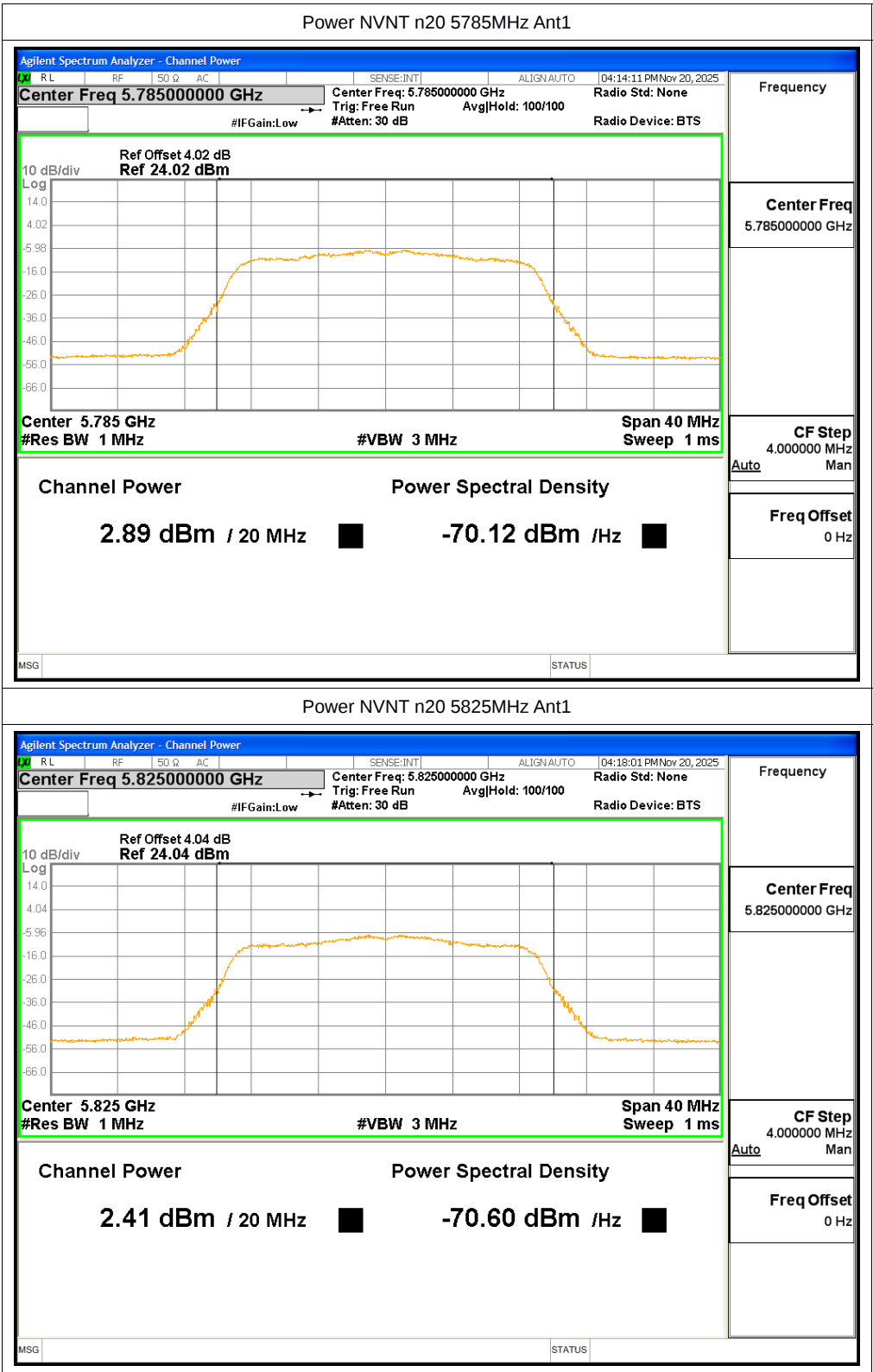
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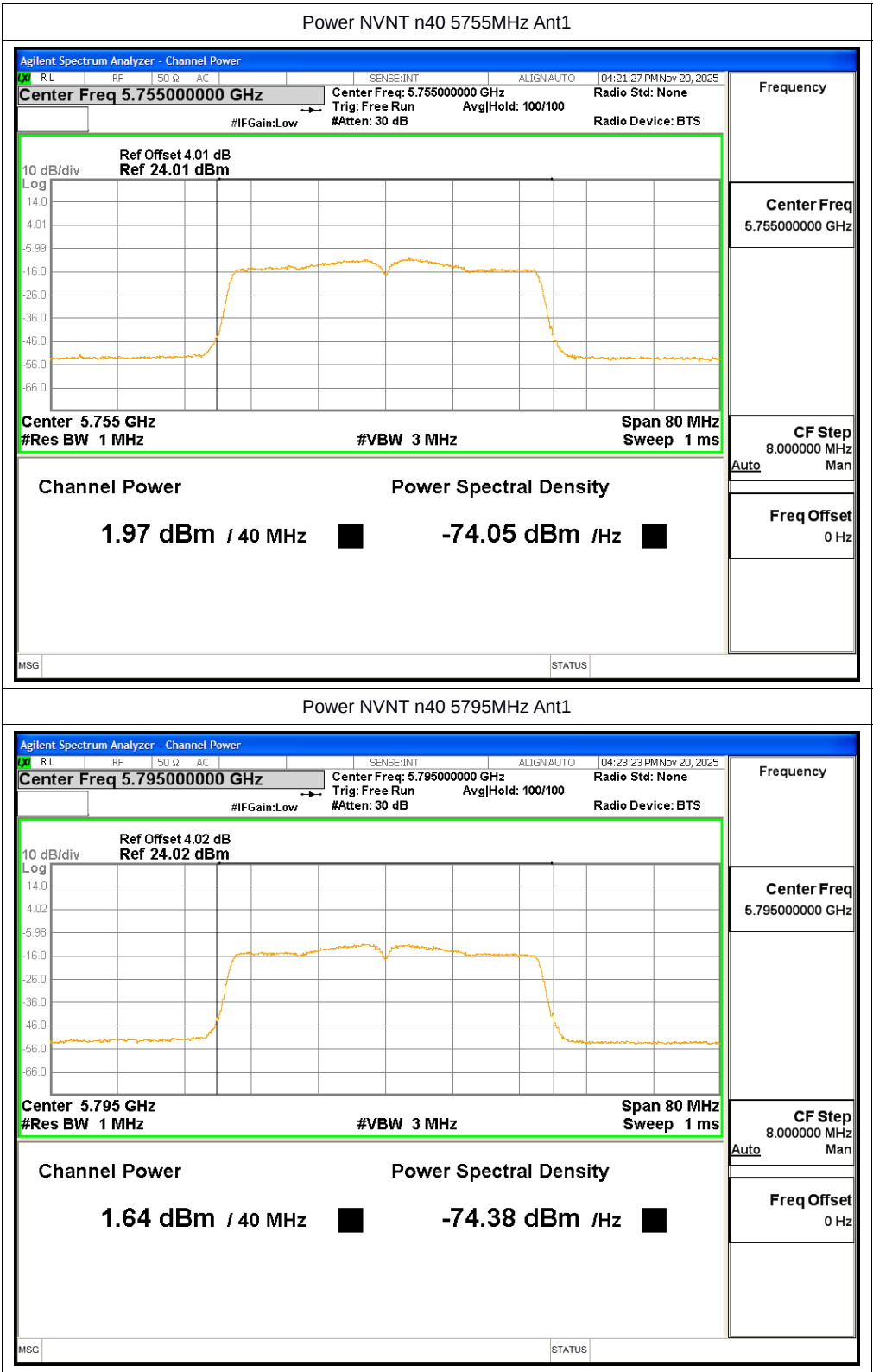
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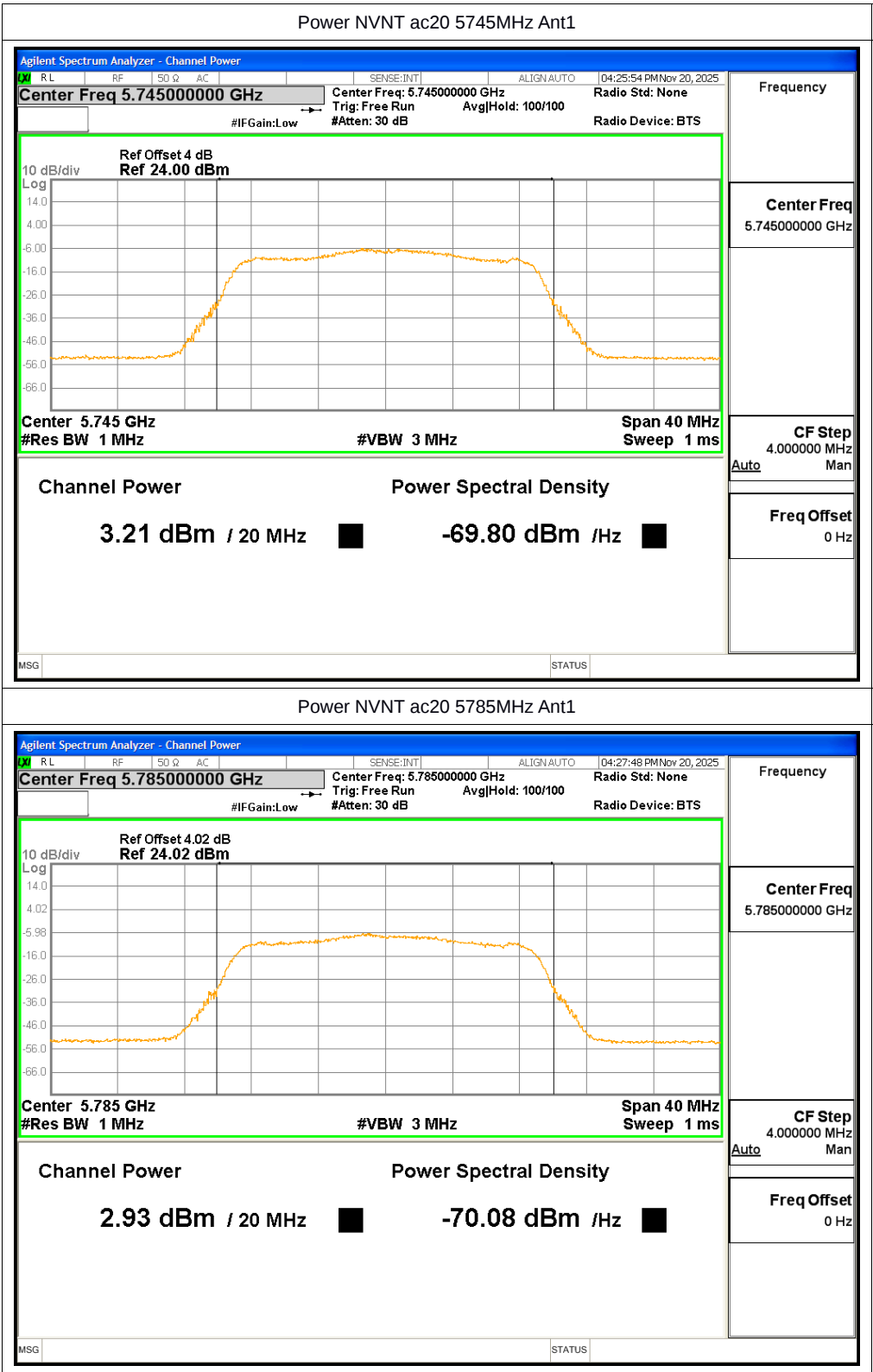
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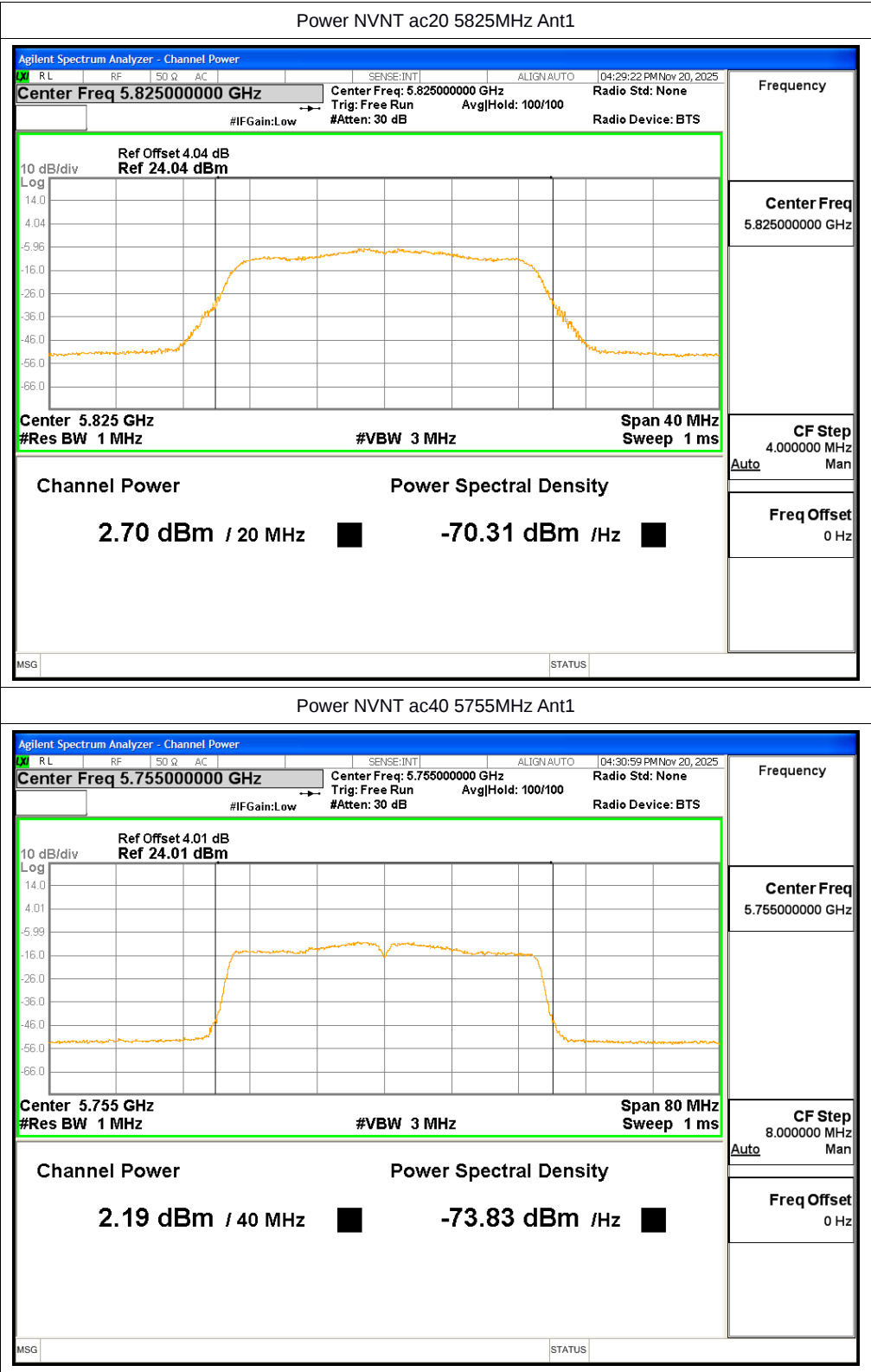
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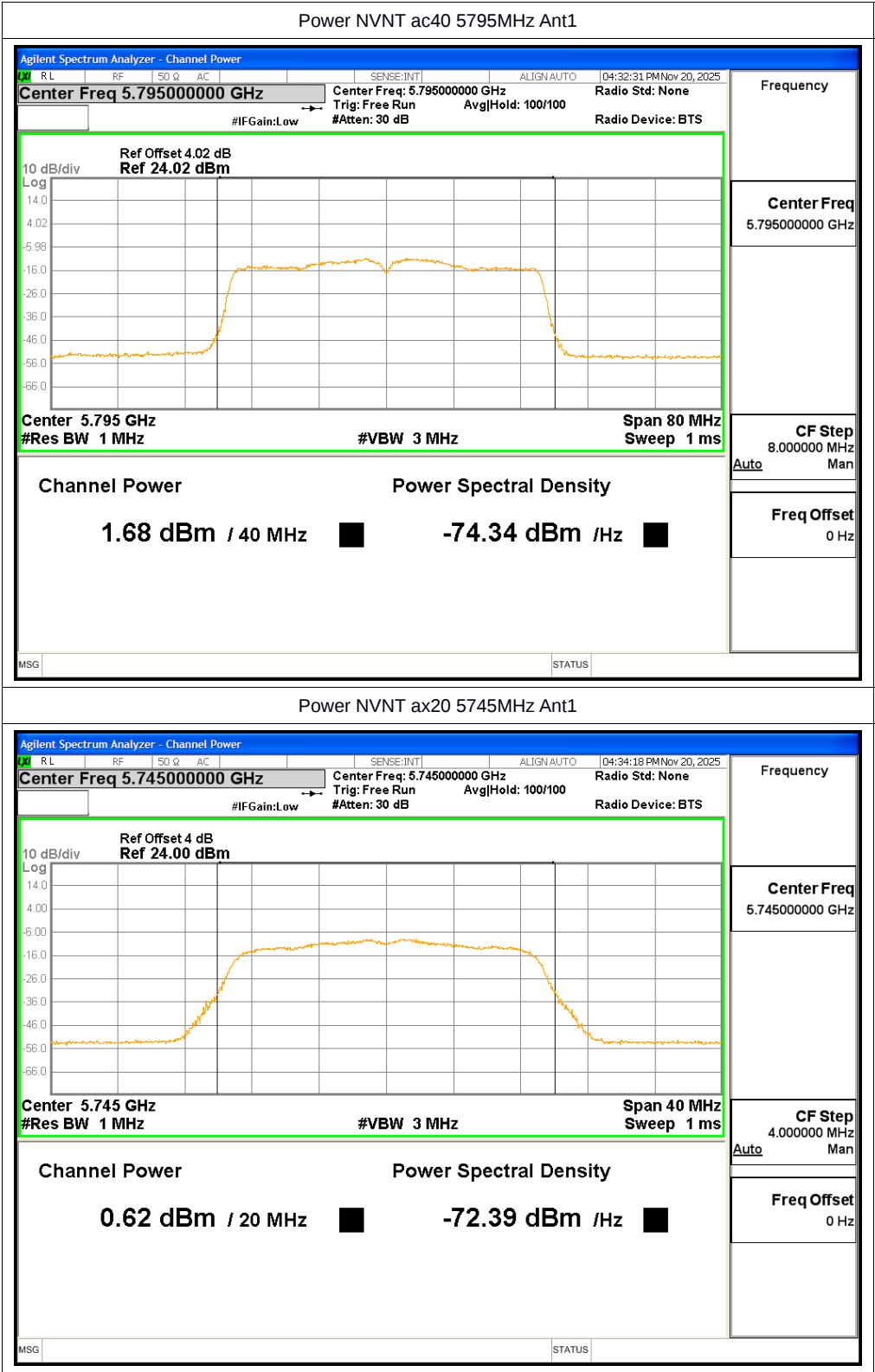
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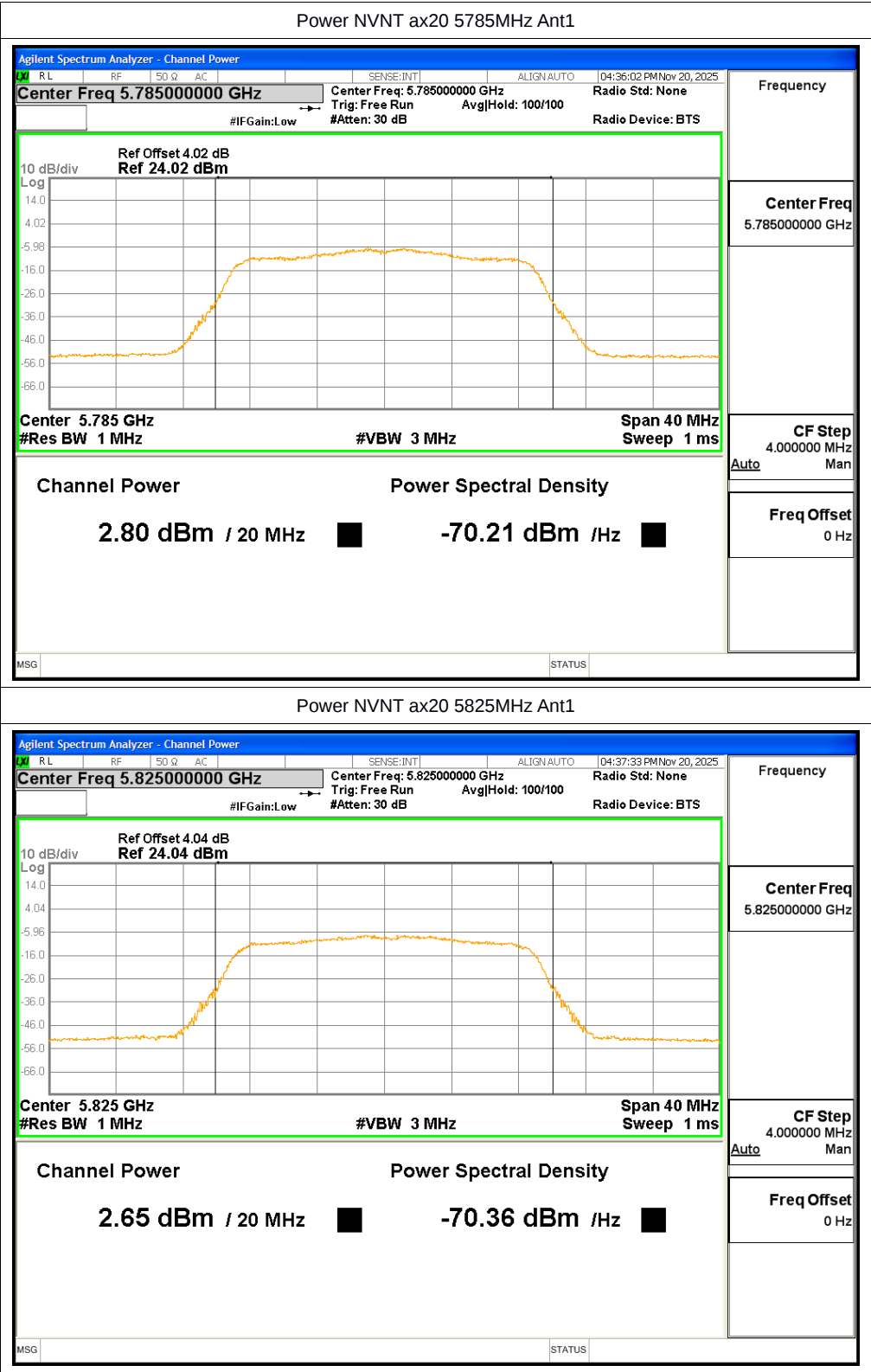
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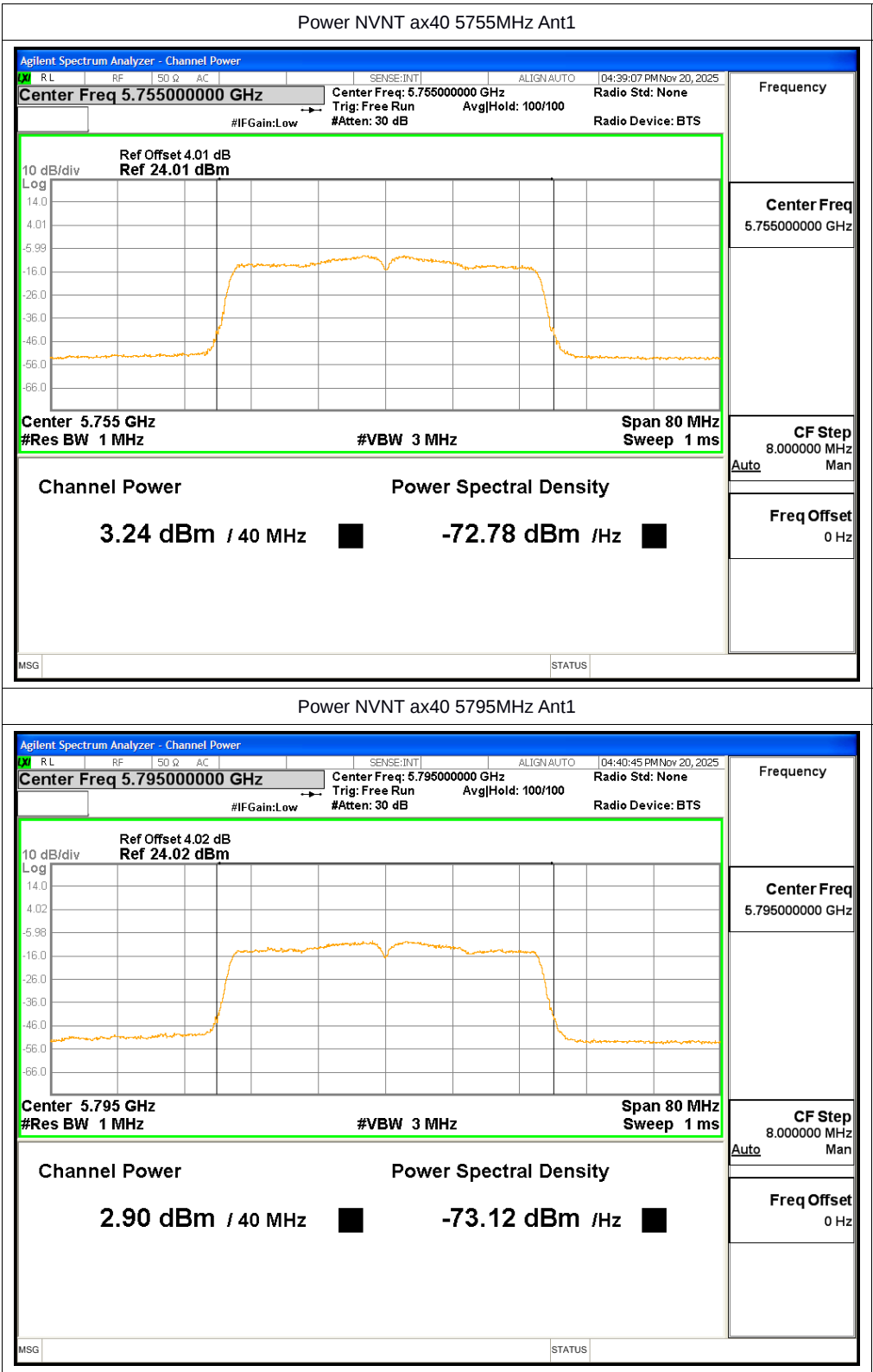
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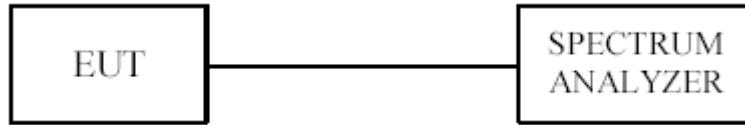
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
		Mobile and Portable client device	11dBm/MHz
U-NII-2A	--		11dBm/MHz
U-NII-2C	--		11dBm/MHz
U-NII-3	✓		30dBm/500kHz

9.3 Test Procedure

1. The EUT was directly connected to the spectrum analyzer
2. Set the RBW = 510kHz
3. Set the VBW = 1.5MHz
4. Set the span to encompass the entire emissions bandwidth (EBW) of the signal
5. Detector = RMS
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.

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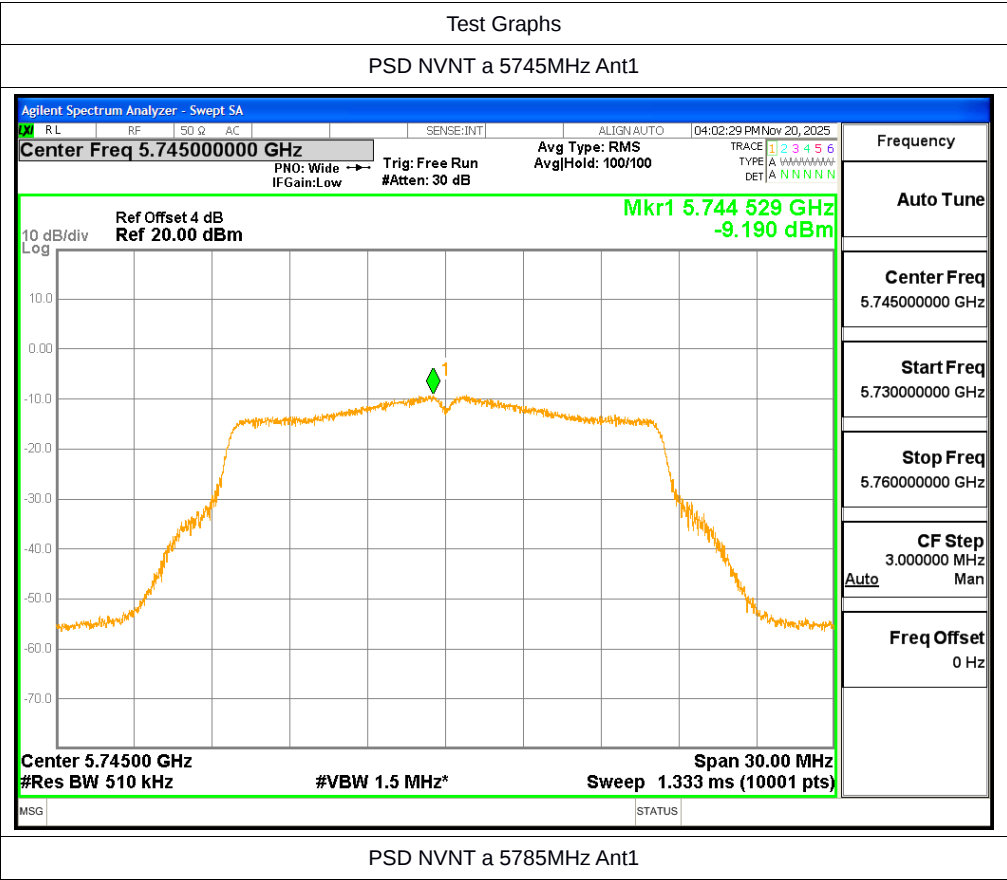
9.4 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-9.19	0	-9.19	30	Pass
		5785		-9.23	0	-9.23	30	Pass
		5825		-9.89	0	-9.89	30	Pass
	n20	5745		-7.25	0	-7.25	30	Pass
		5785		-8.9	0	-8.9	30	Pass
		5825		-9.51	0	-9.51	30	Pass
	n40	5755		-12.73	0	-12.73	30	Pass
		5795		-13.44	0	-13.44	30	Pass
	ac20	5745		-8.2	0	-8.2	30	Pass
		5785		-8.81	0	-8.81	30	Pass
		5825		-9.25	0	-9.25	30	Pass
	ac40	5755		-12.76	0	-12.76	30	Pass
		5795		-13.13	0	-13.13	30	Pass
	ax20	5745		-11.26	0	-11.26	30	Pass
		5785		-8.81	0	-8.81	30	Pass
		5825		-8.8	0	-8.8	30	Pass
	ax40	5755		-11.72	0	-11.72	30	Pass
		5795		-12.31	0	-12.31	30	Pass

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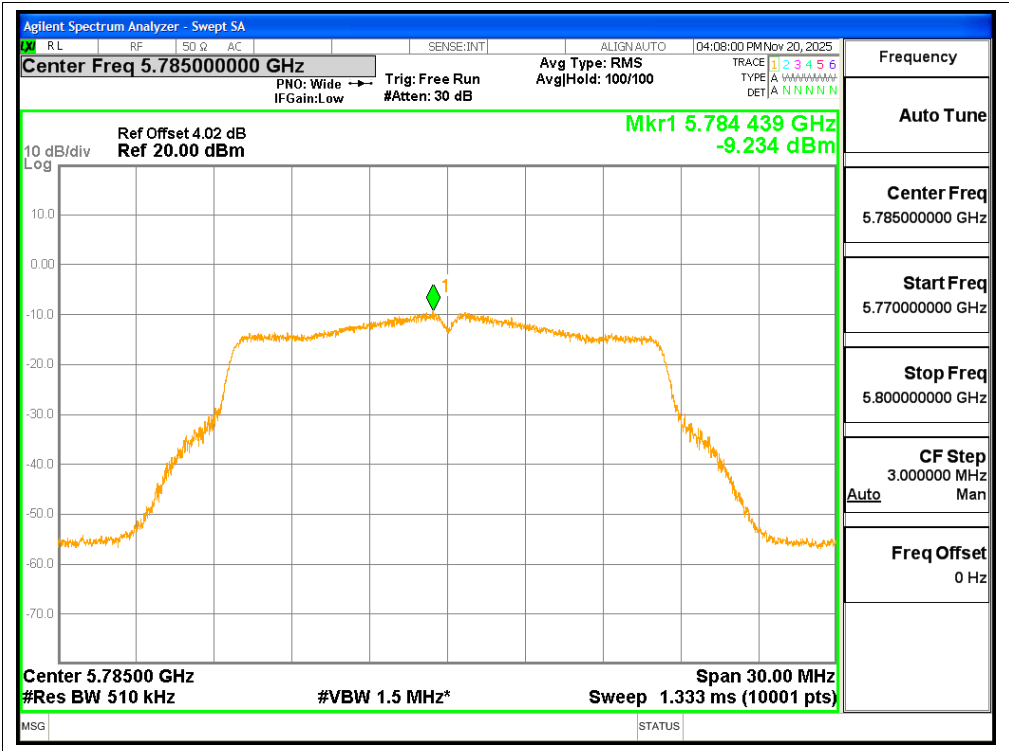
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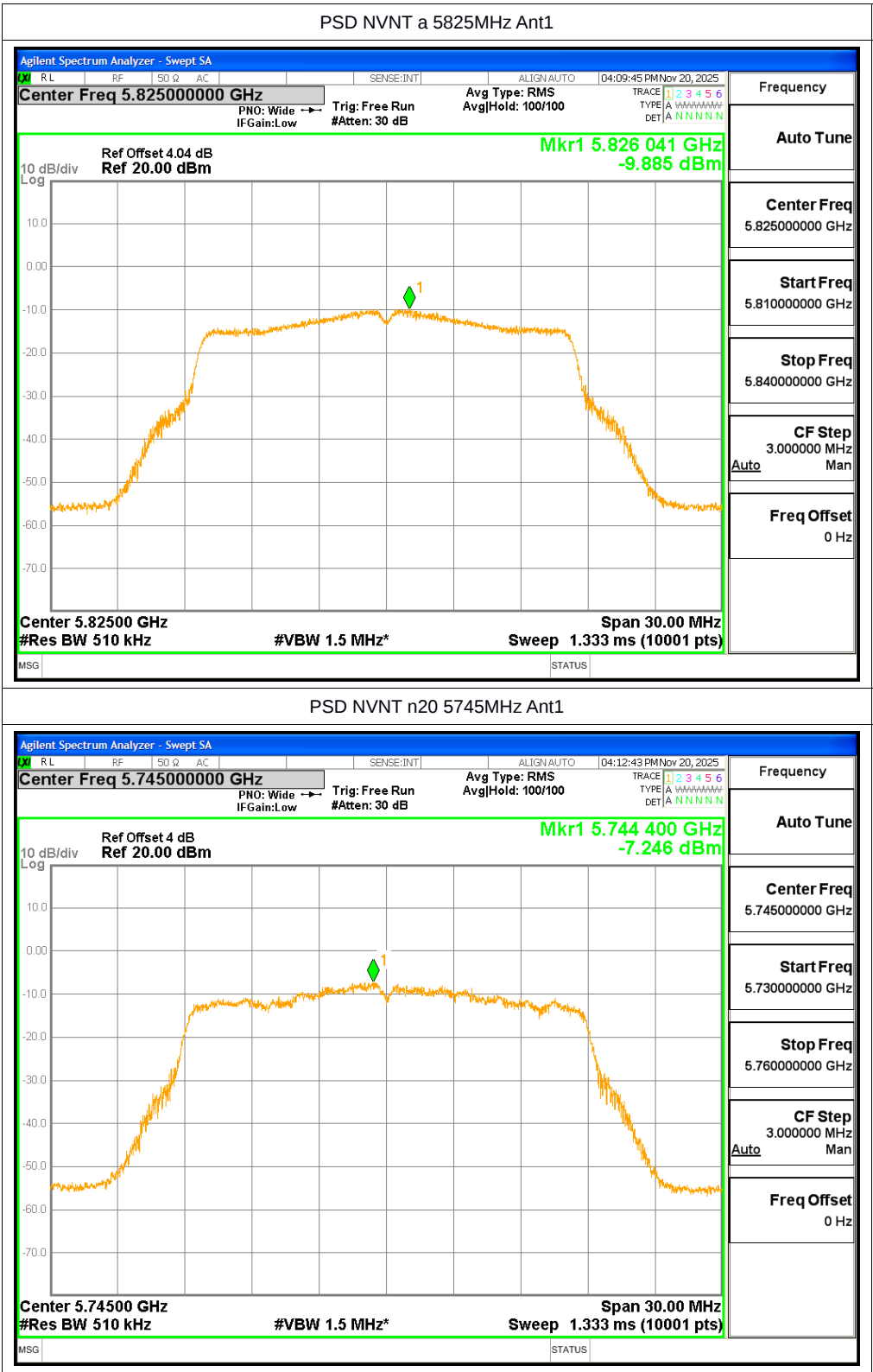
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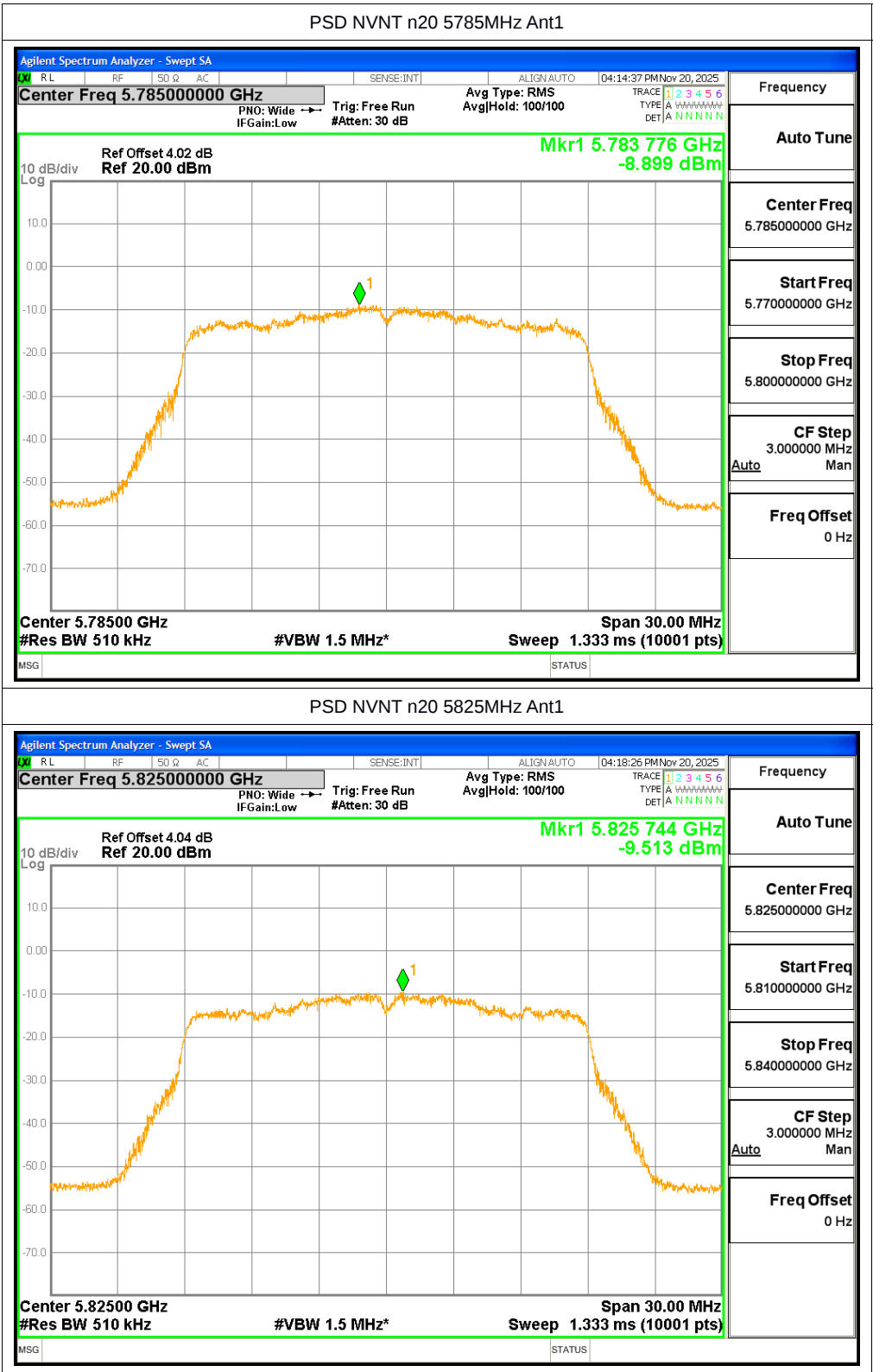
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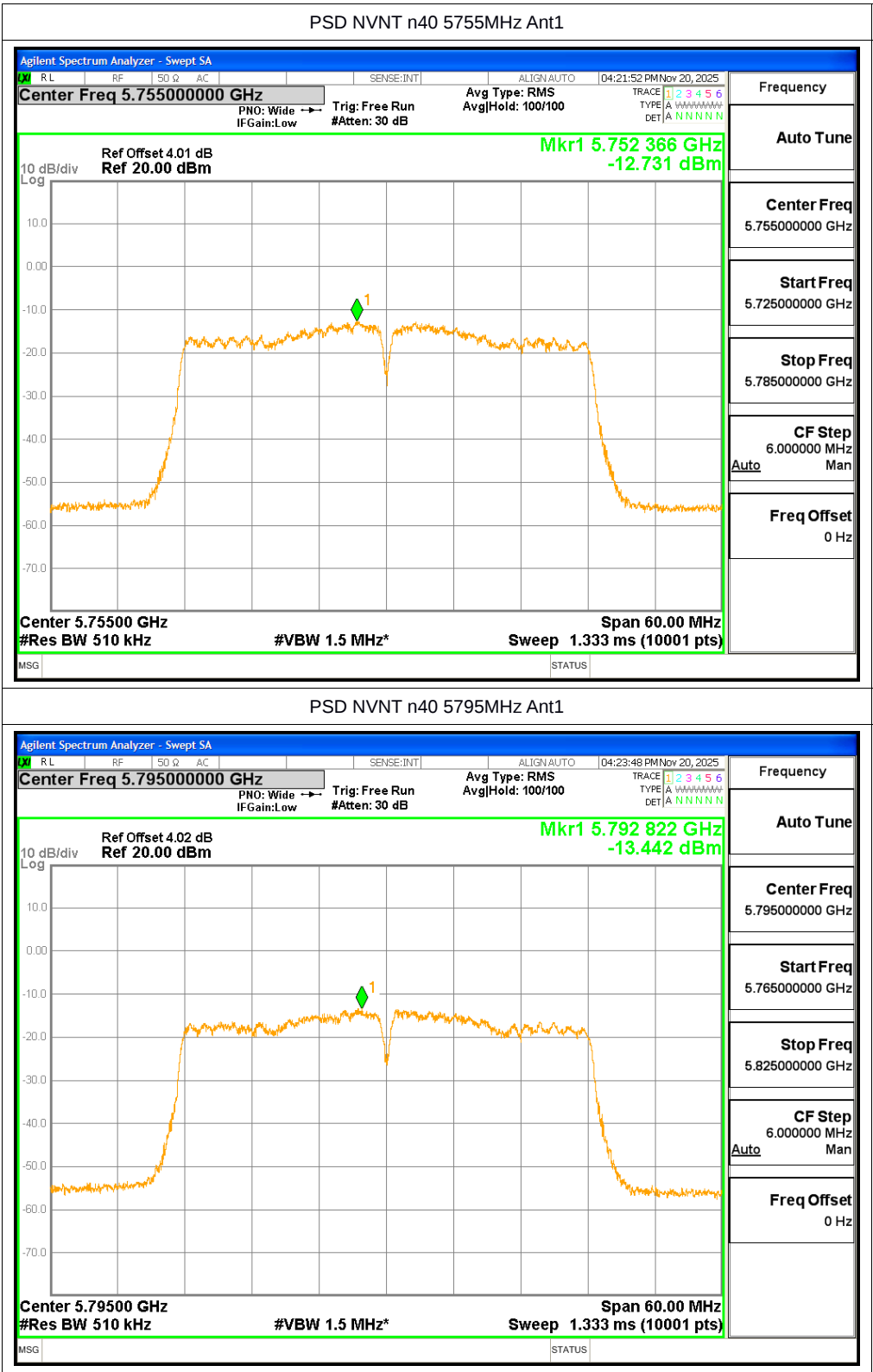
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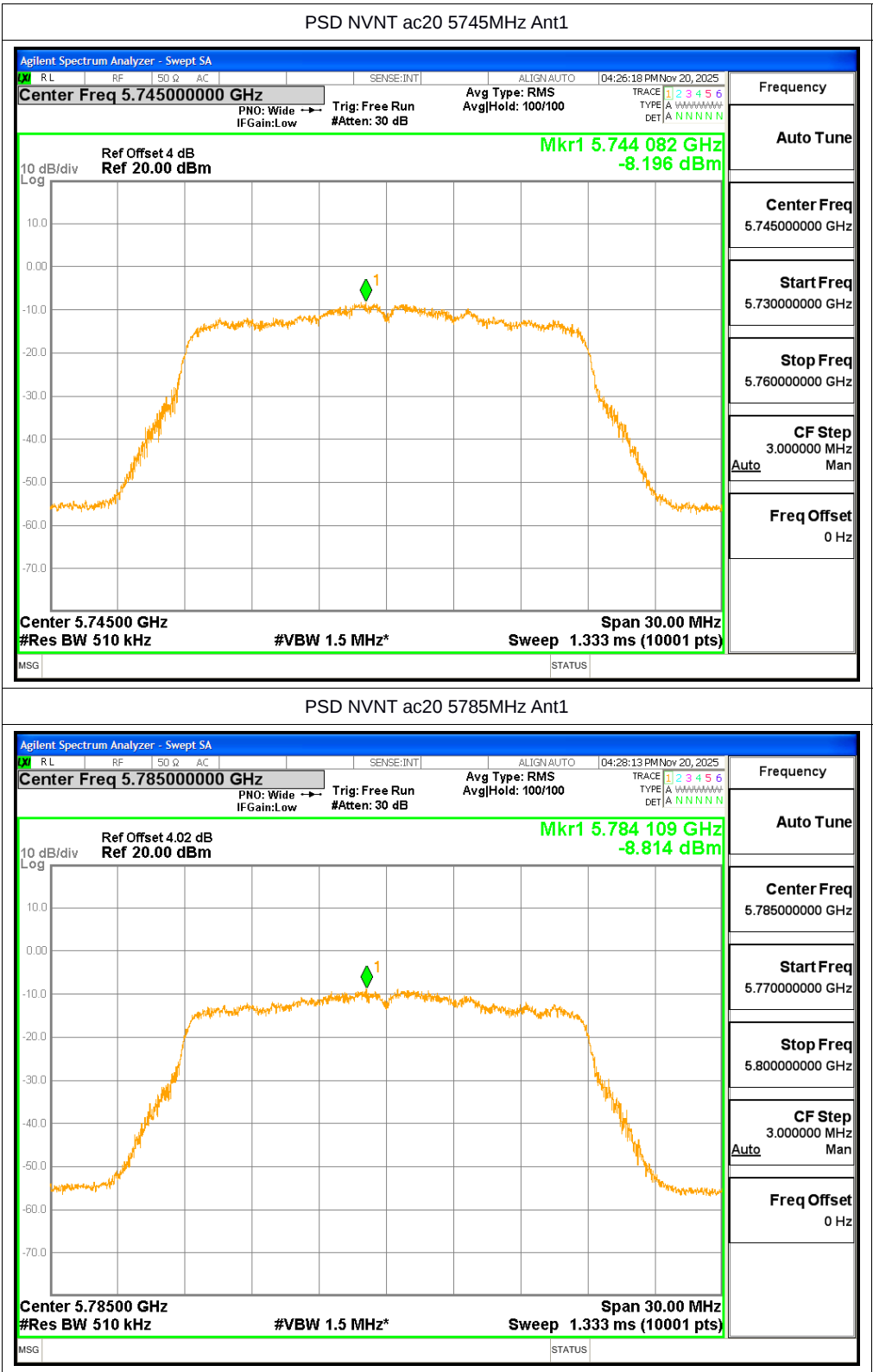
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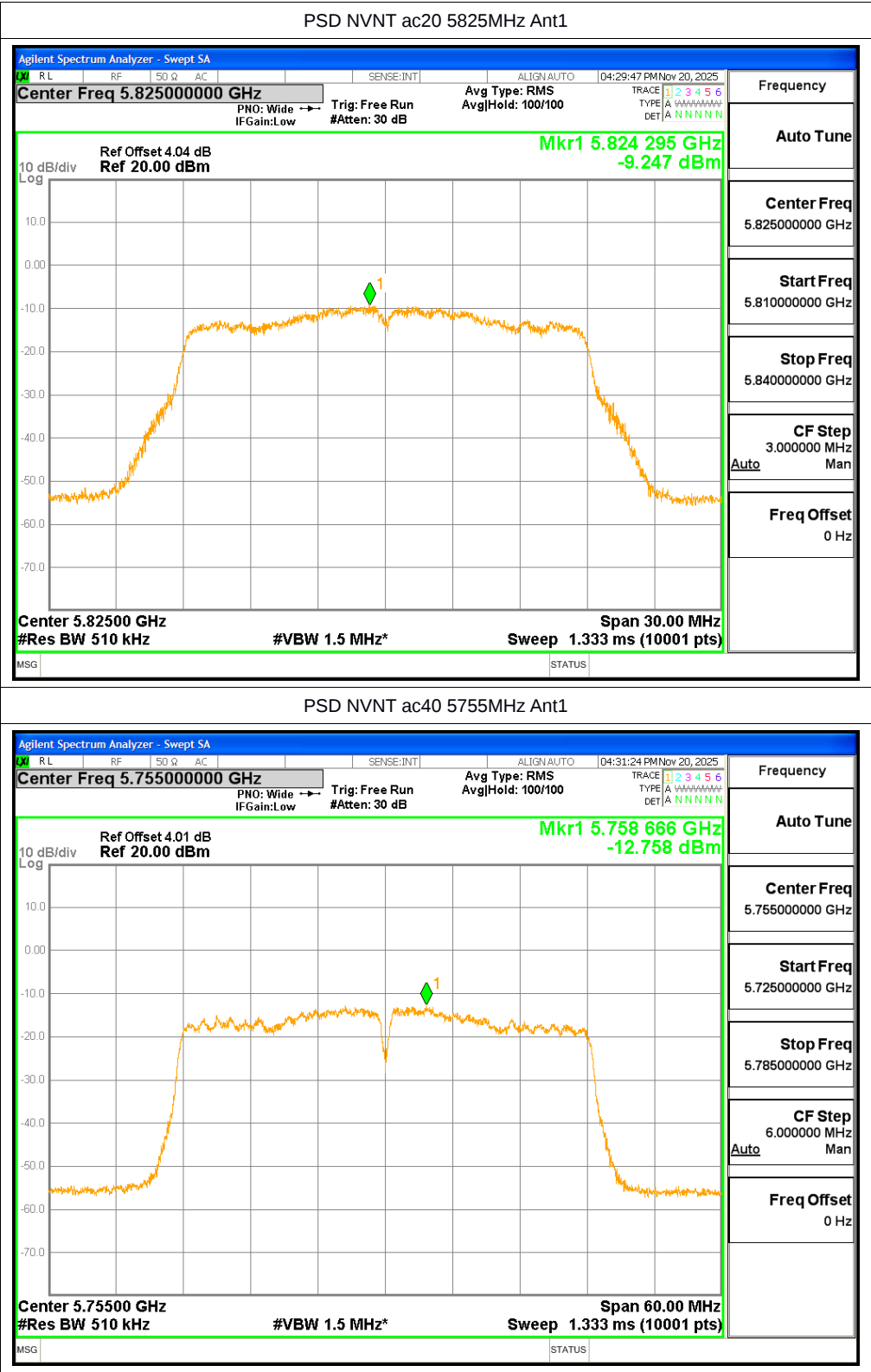
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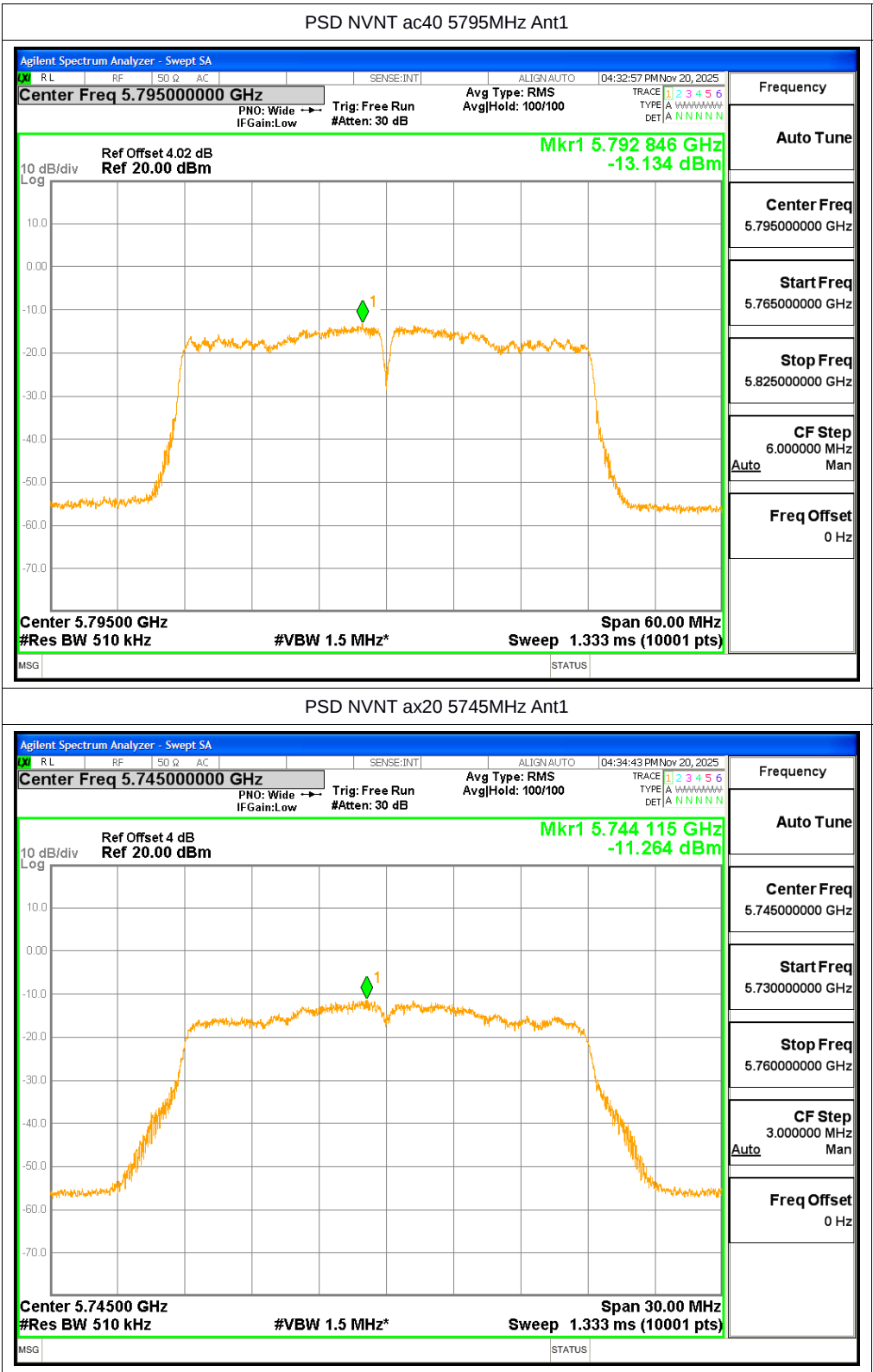
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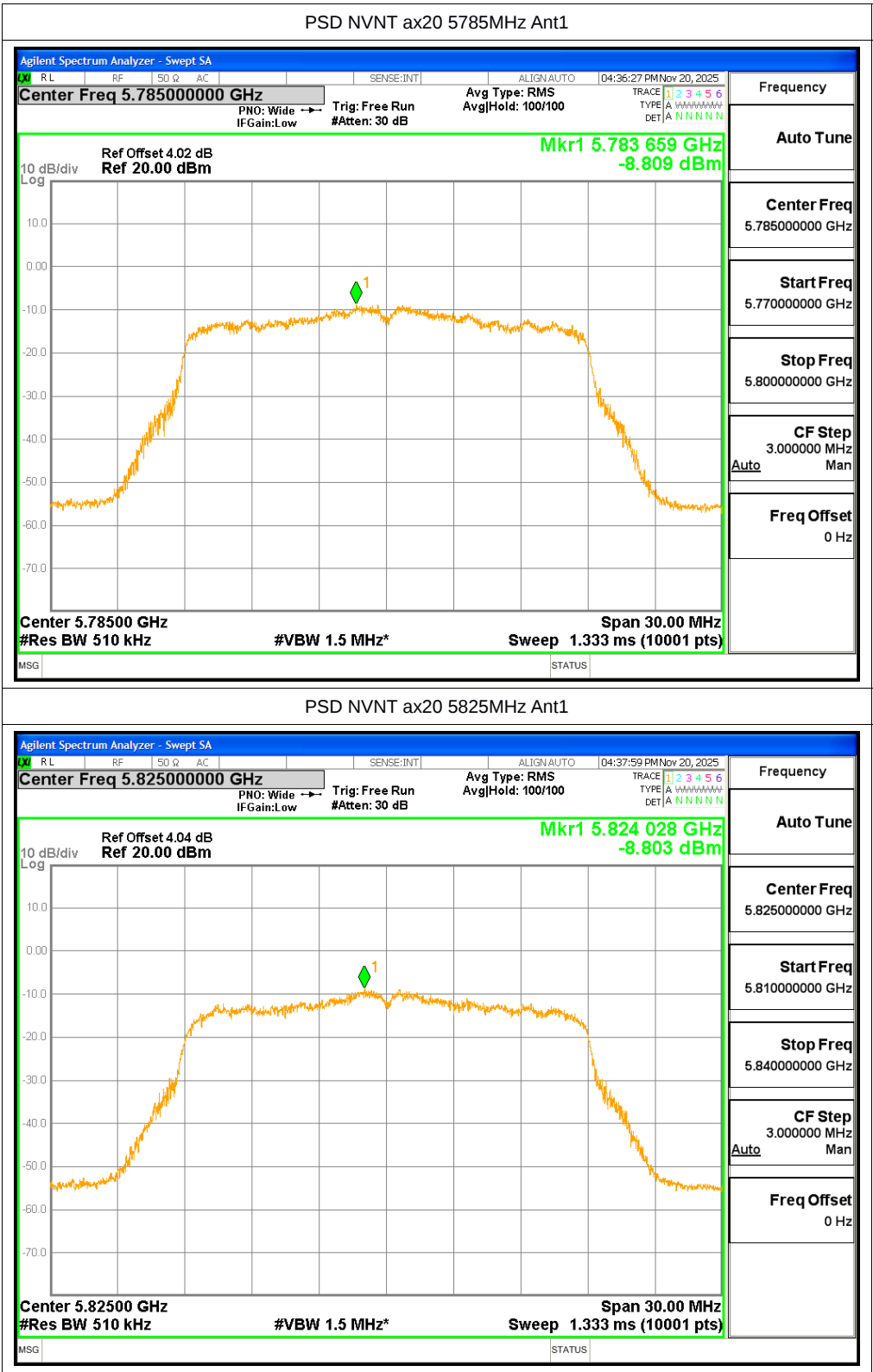
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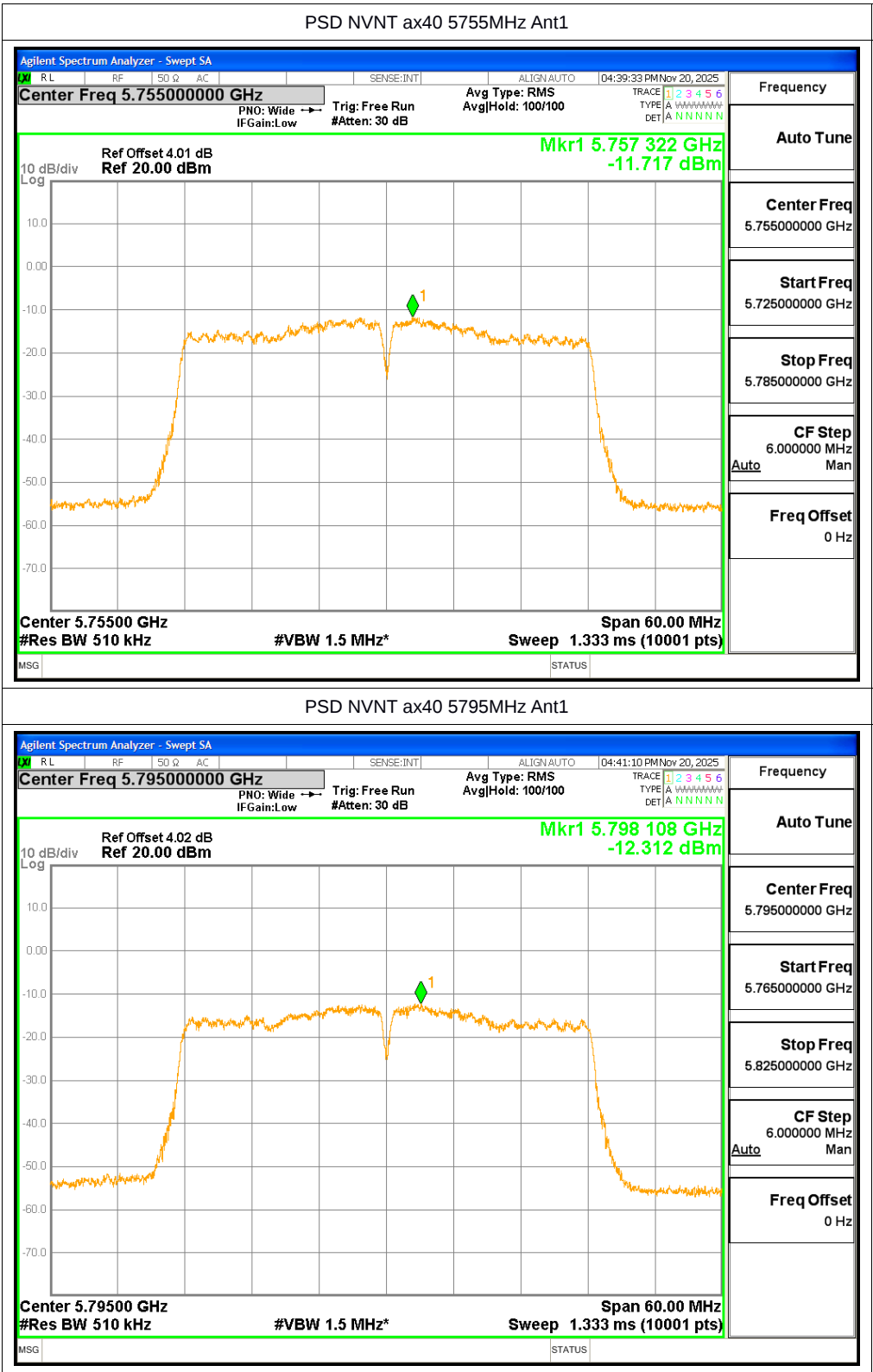
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10.0 Frequency Stability

10.1 Limits of Frequency Stability Measurement

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.02\%$ of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees

10.2 Test Procedure

1. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at $+20$ degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

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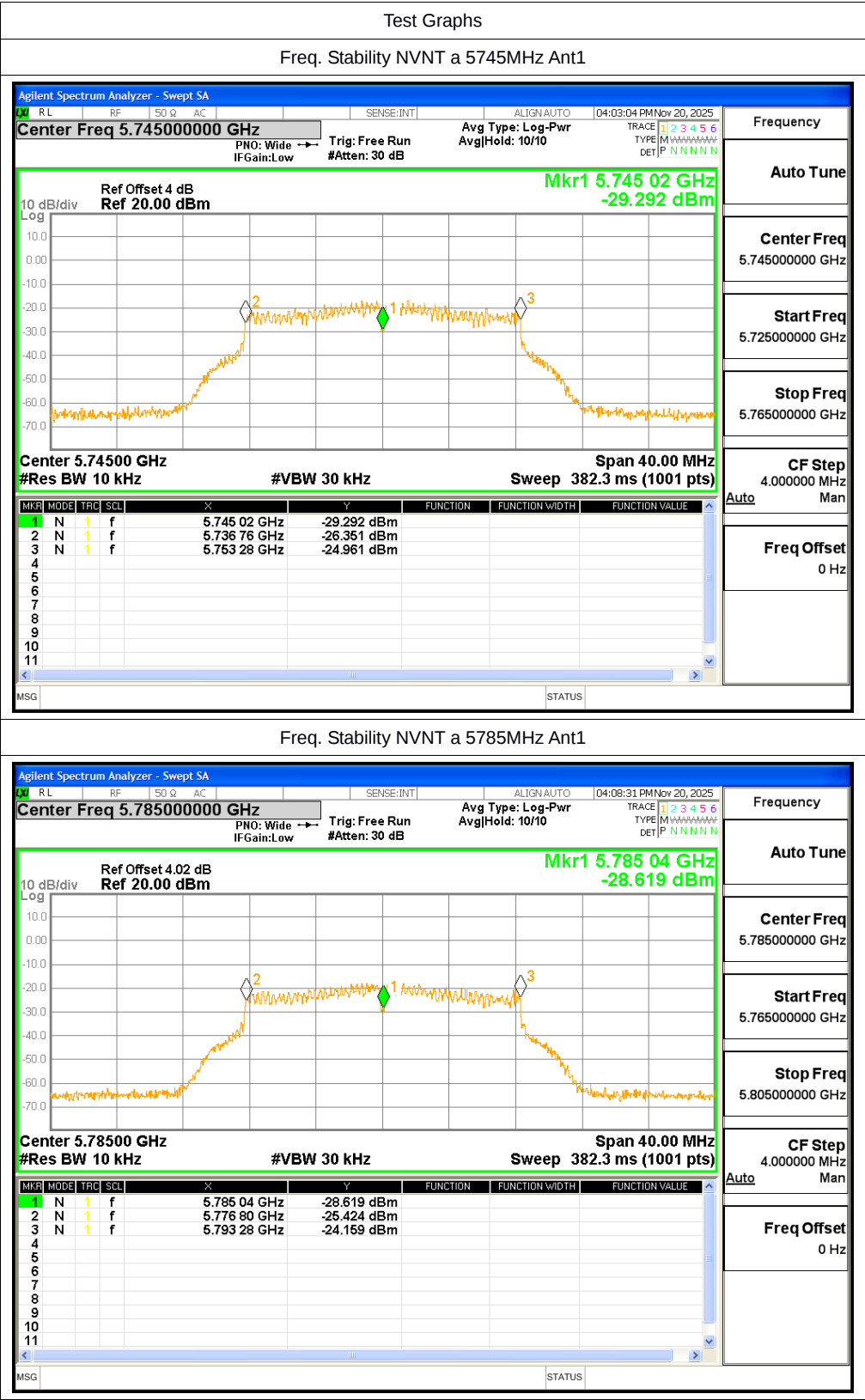
10.3 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5745.02	20000	3.48	25	Pass
		5785		5785.04	40000	6.91	25	Pass
		5825		5825.02	20000	3.43	25	Pass
	n20	5745		5745.04	40000	6.96	25	Pass
		5785		5785	0	0	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	n40	5755		5755	0	0	25	Pass
		5795		5795.04	40000	6.9	25	Pass
	ac20	5745		5745	0	0	25	Pass
		5785		5785.02	20000	3.46	25	Pass
		5825		5825	0	0	25	Pass
	ac40	5755		5755	0	0	25	Pass
		5795		5795.04	40000	6.9	25	Pass
	ax20	5745		5744.98	-20000	-3.48	25	Pass
		5785		5785	0	0	25	Pass
		5825		5824.98	-20000	-3.43	25	Pass
	ax40	5755		5755	0	0	25	Pass
		5795		5795.04	40000	6.9	25	Pass

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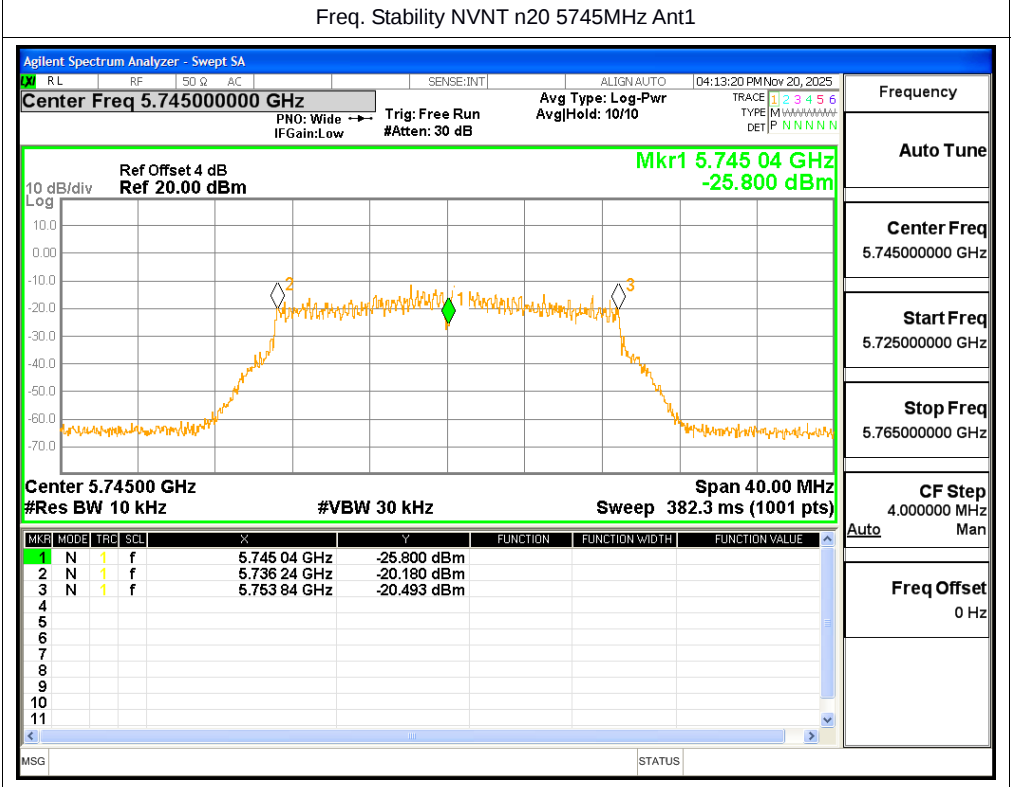
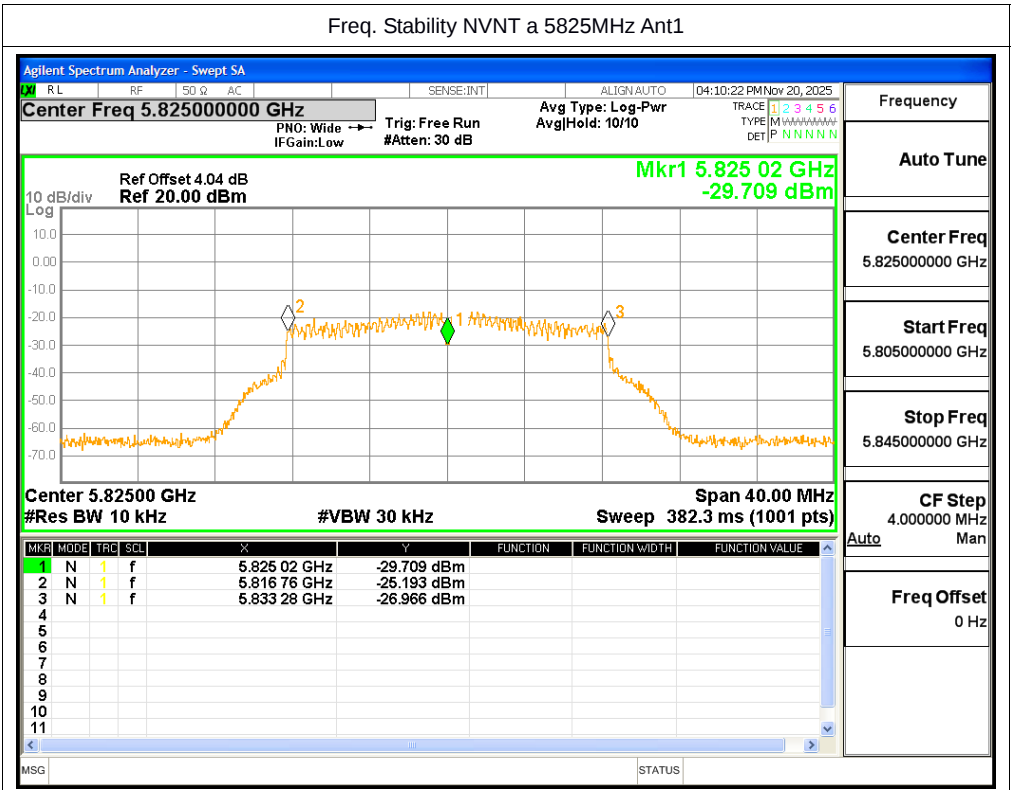
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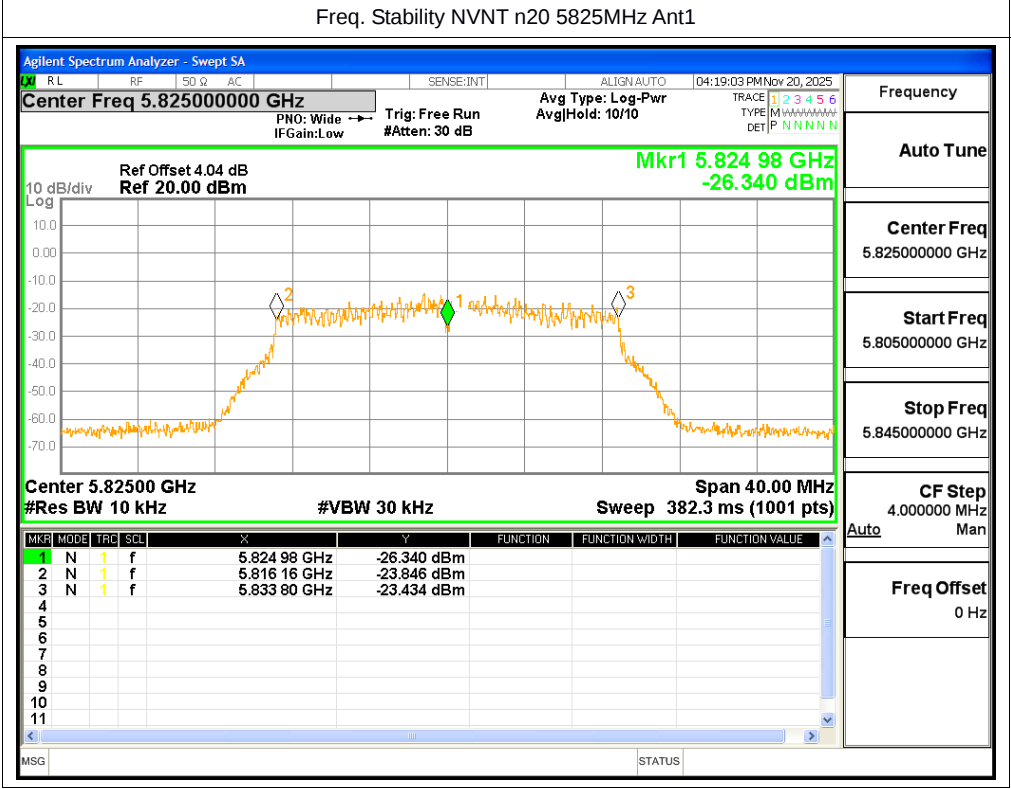
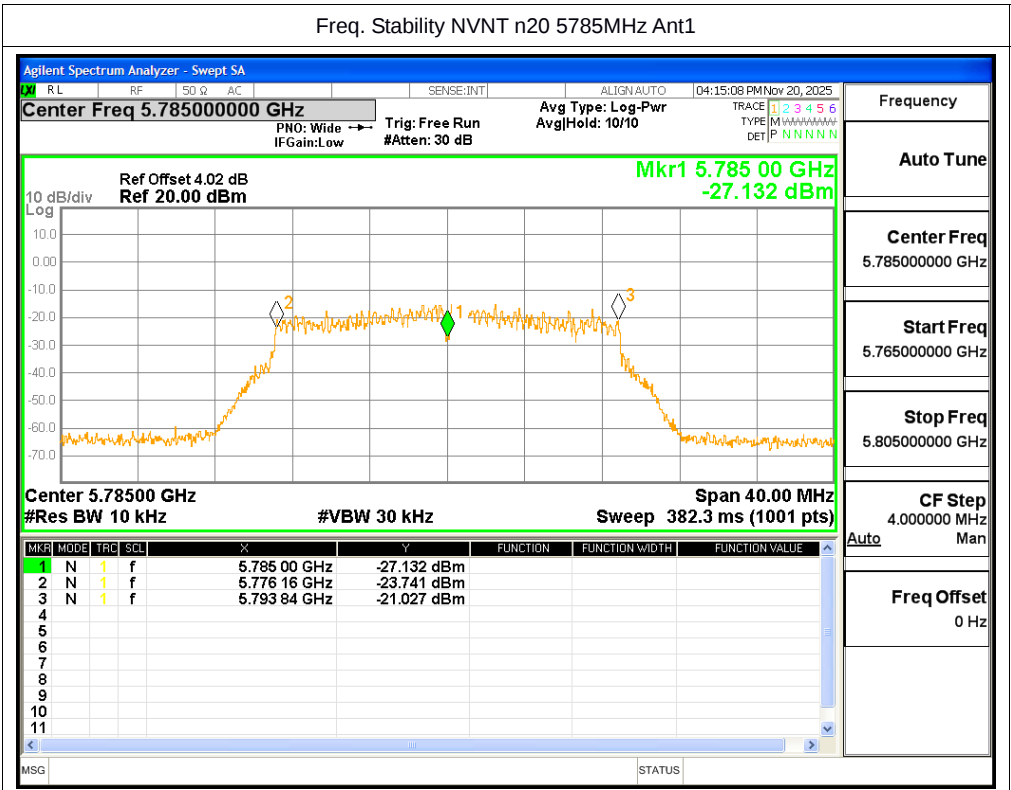
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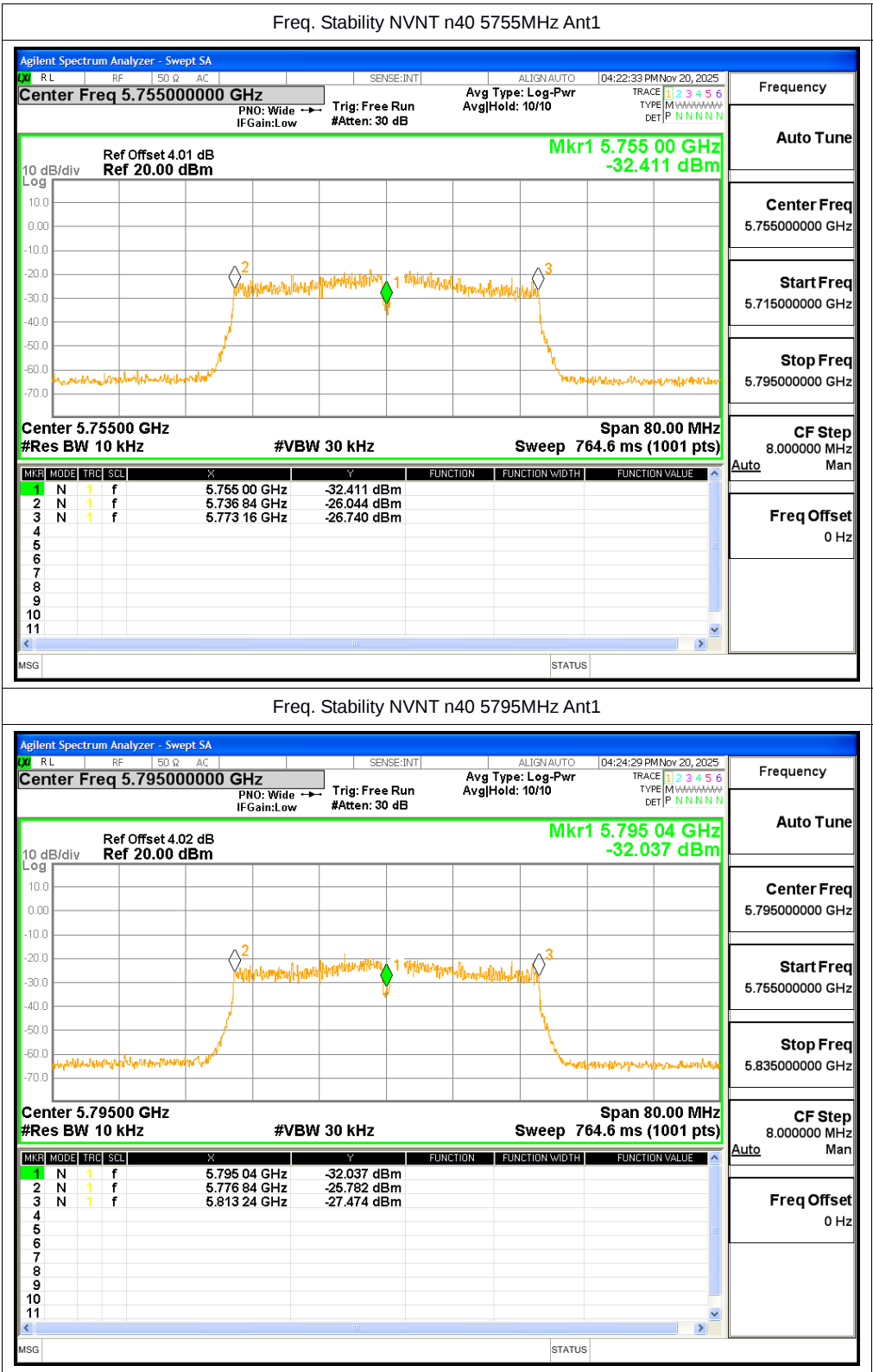
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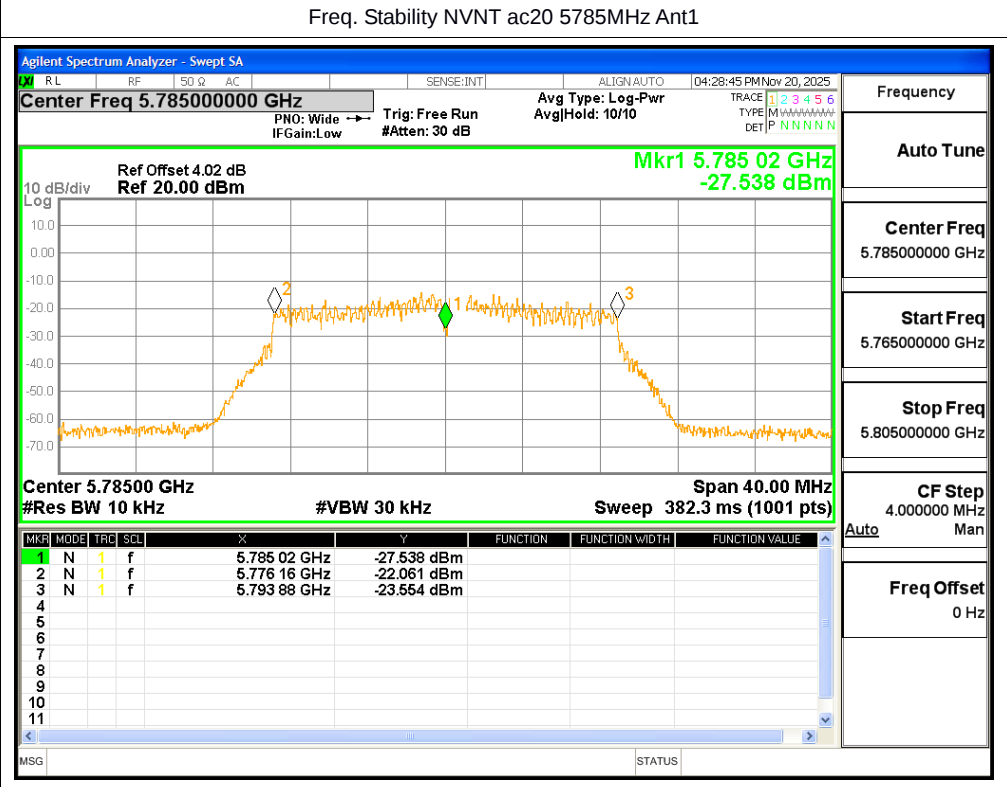
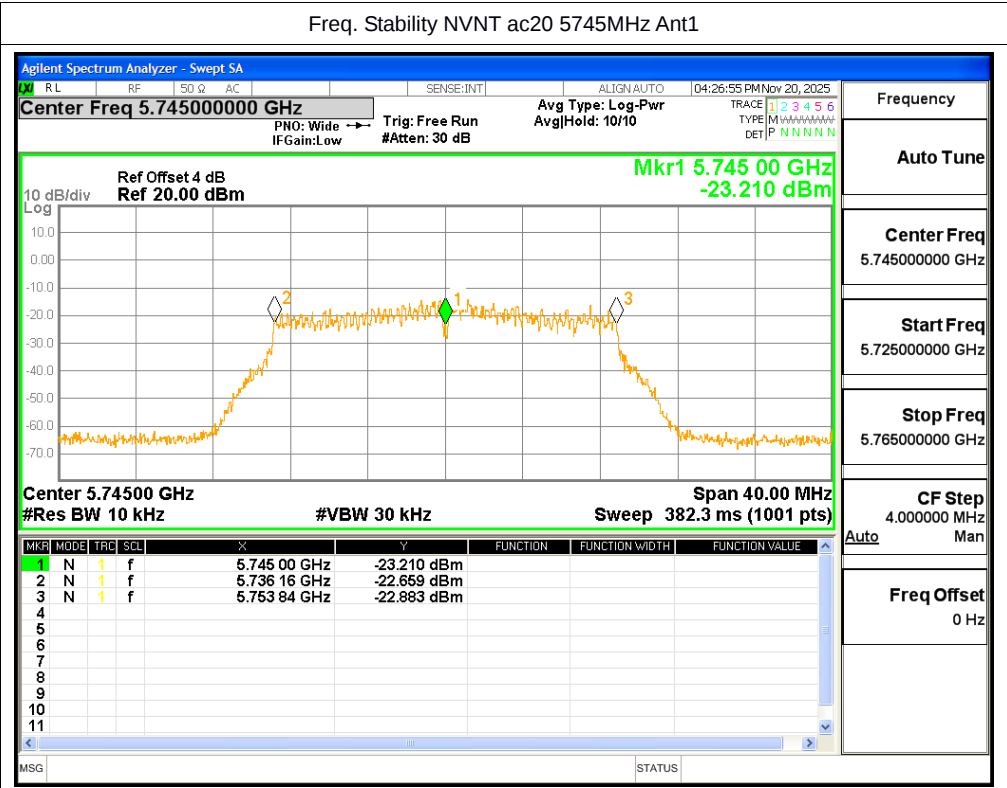
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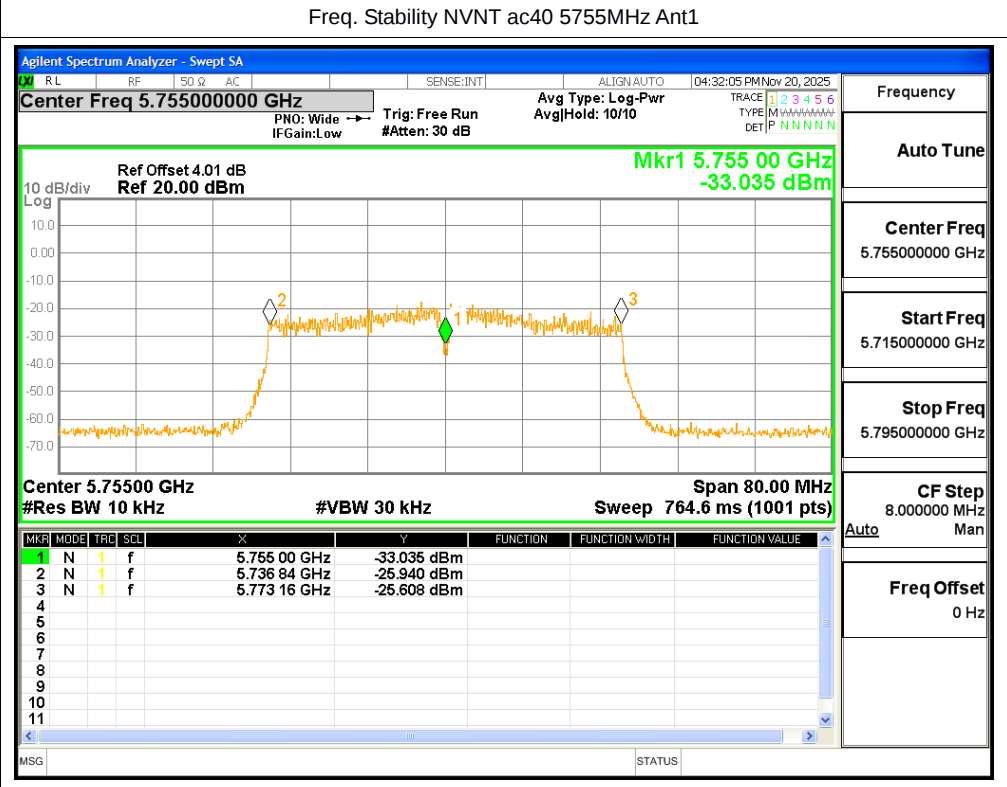
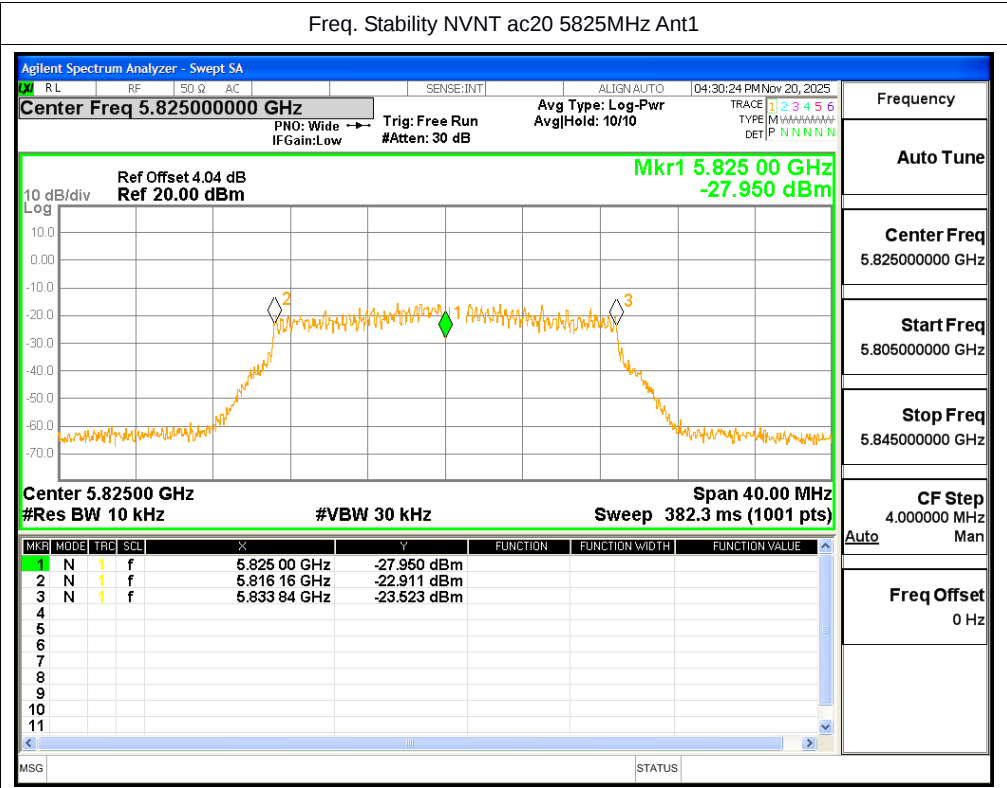
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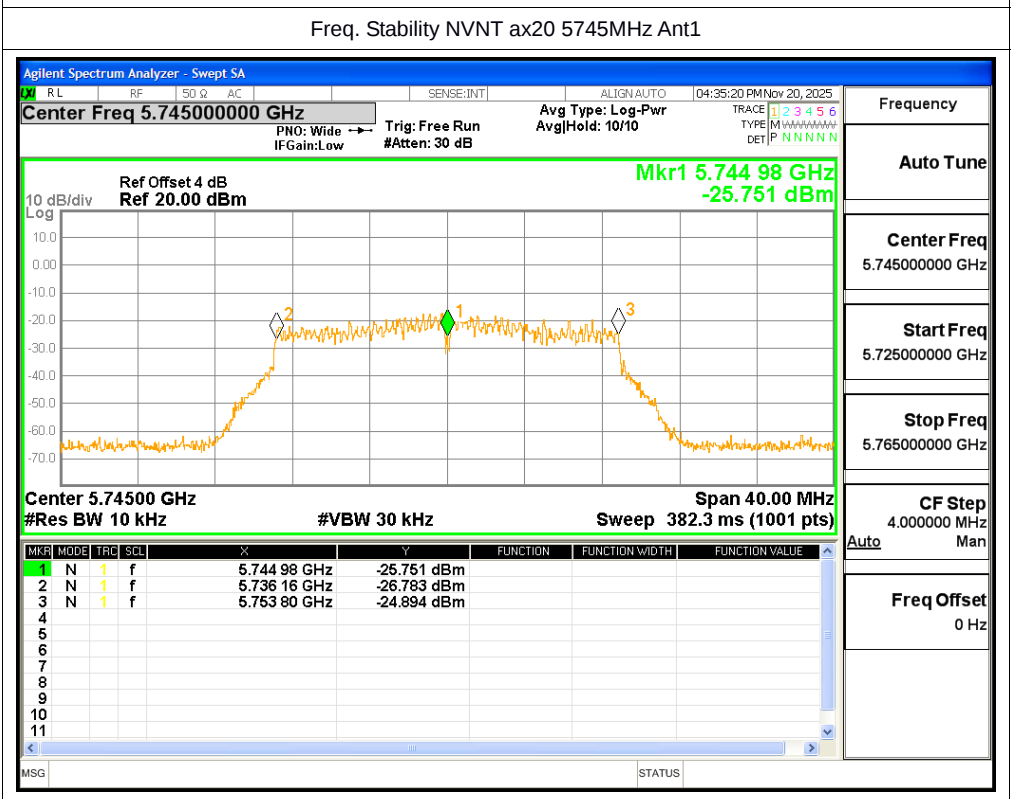
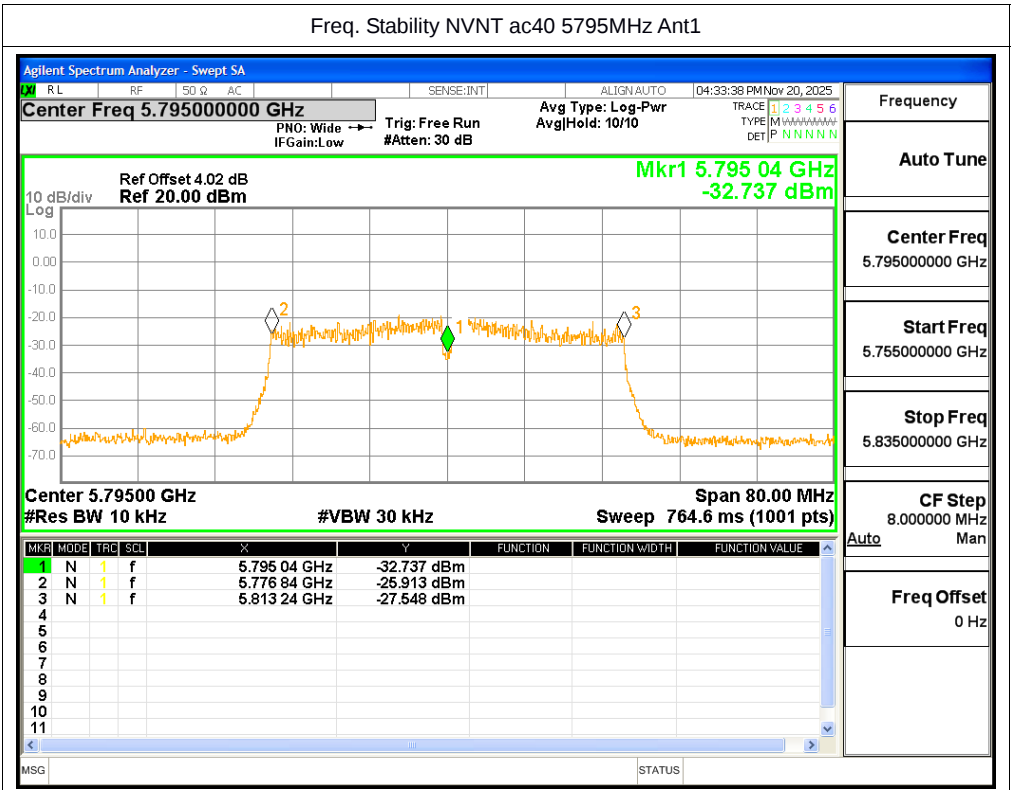
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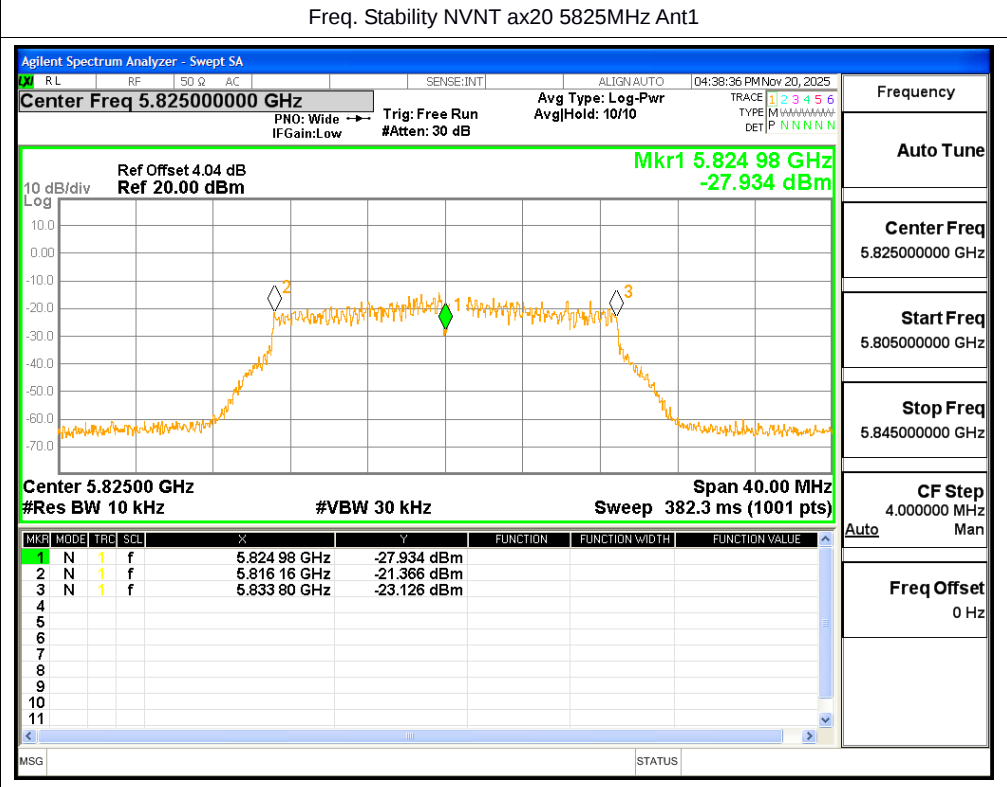
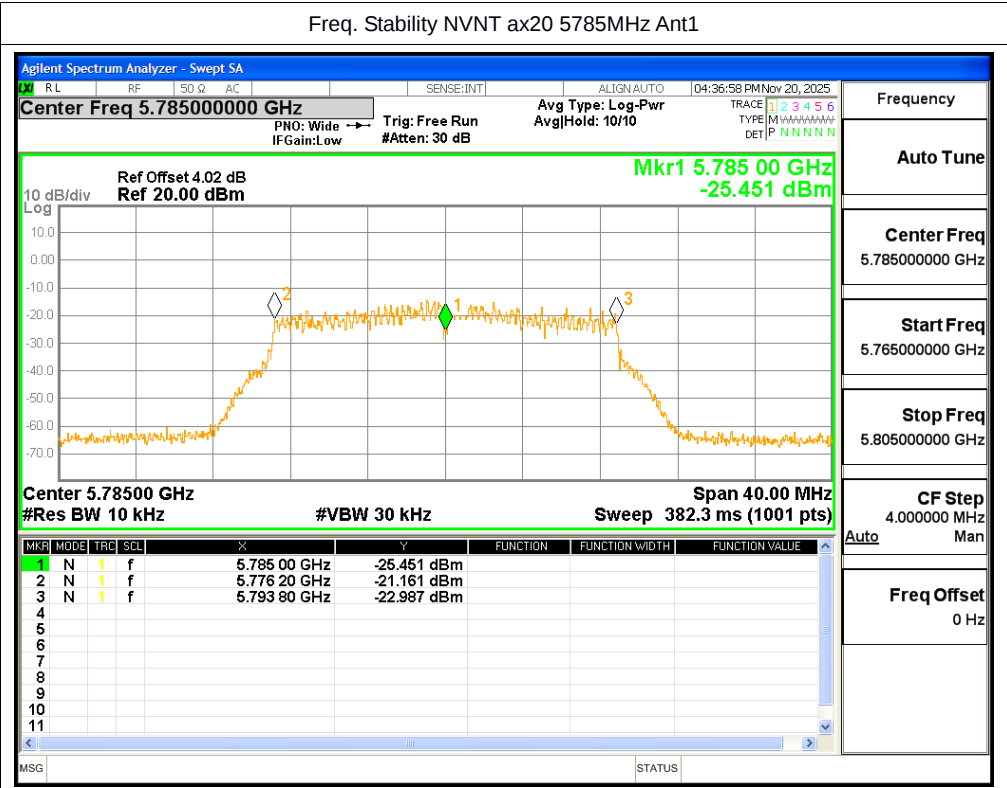
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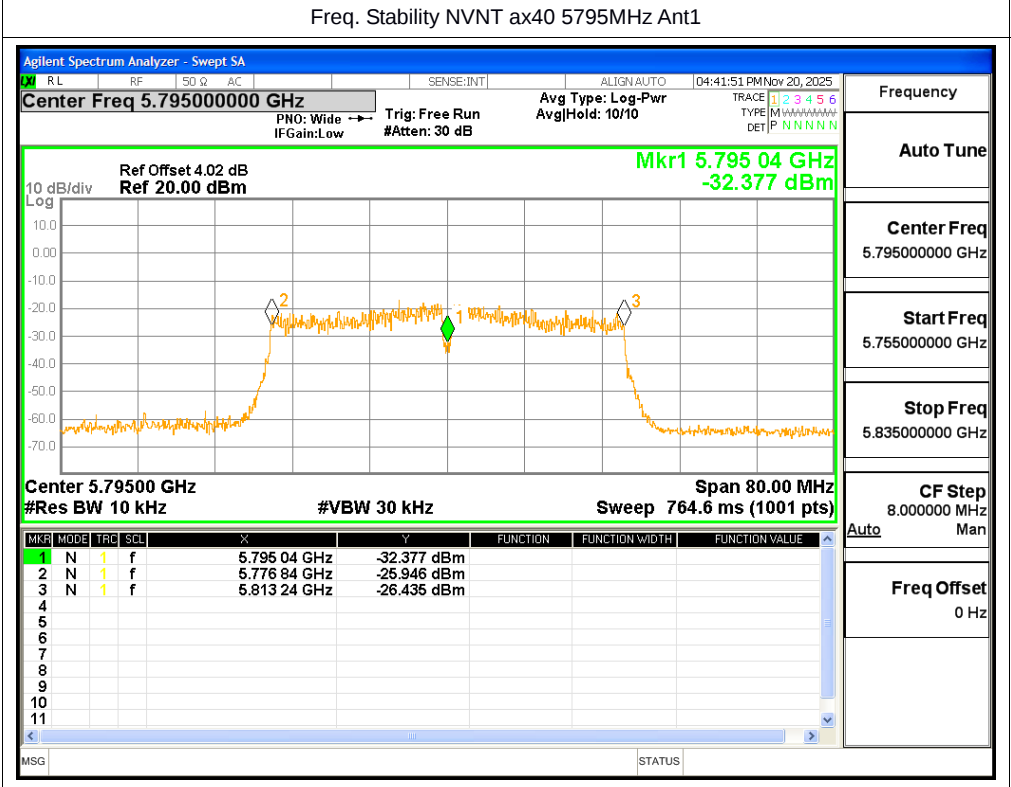
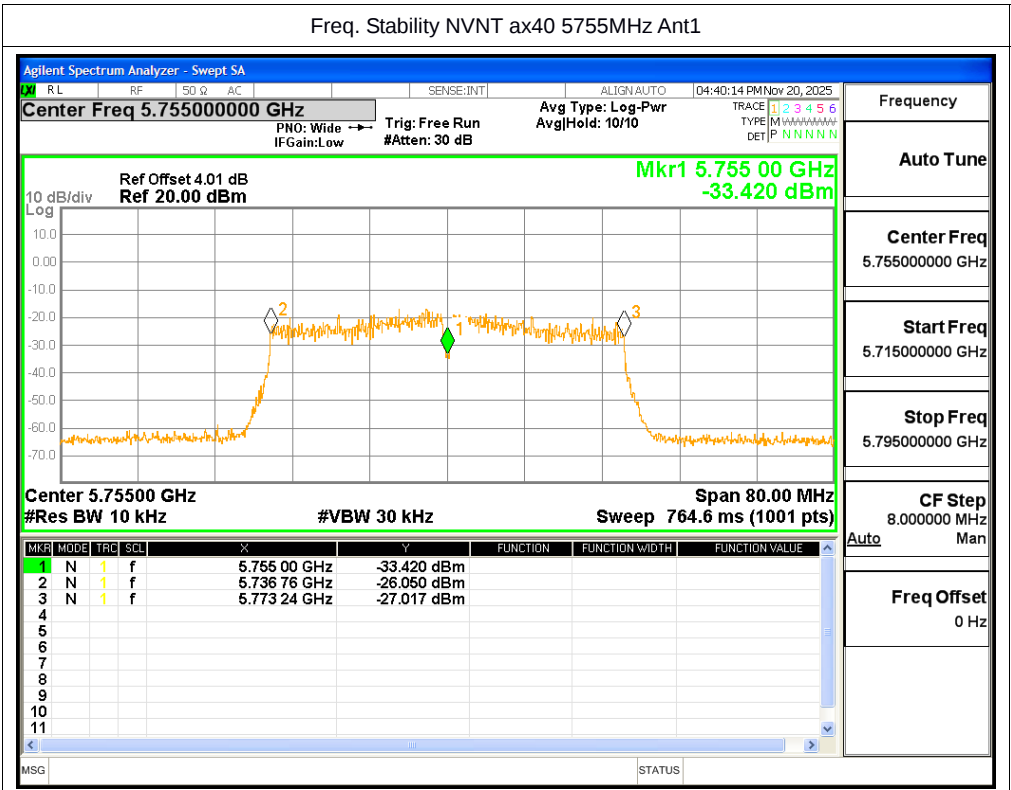
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11.0 Antenna Requirement

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 2.75dBi maximum. (Get from the antenna specification provided the applicant)

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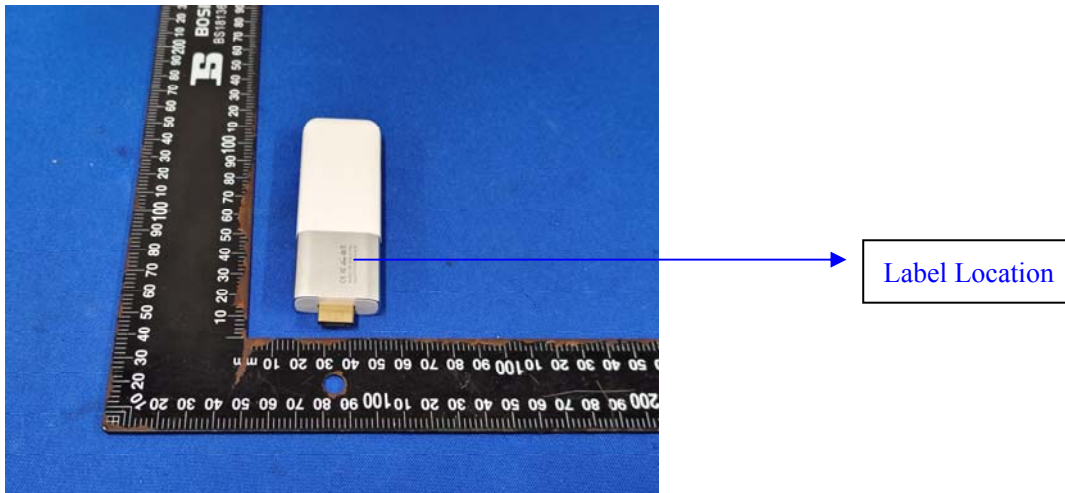


12.0 FCC ID Label

FCC ID: 2BSRL-D105

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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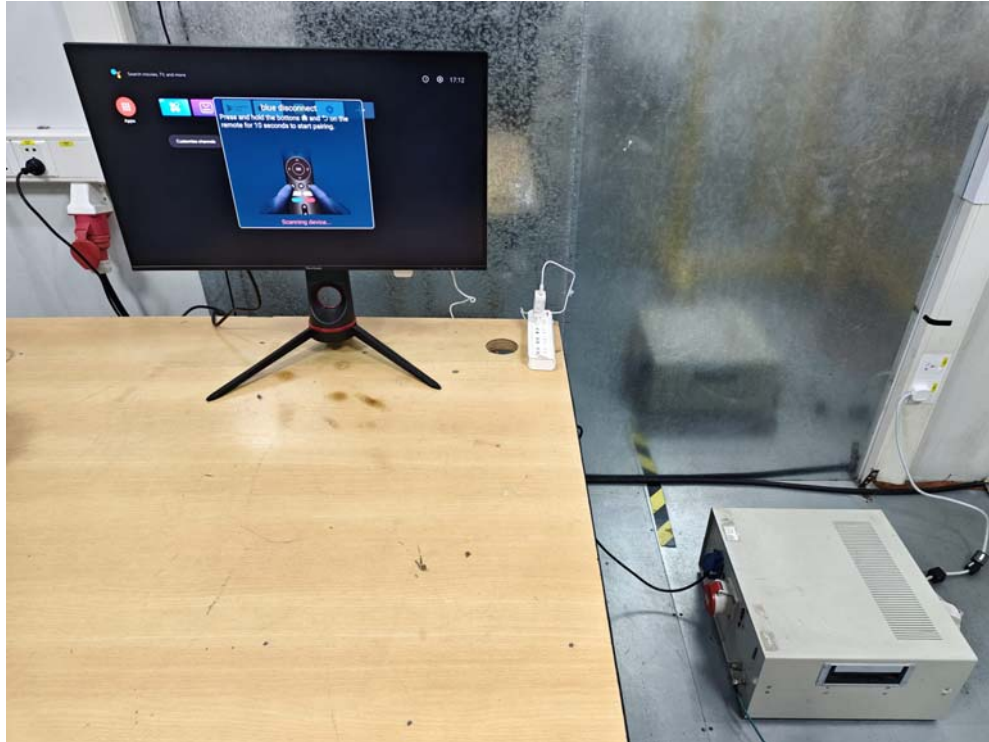
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13.0 Photo of testing

Conducted Emission Test Setup:



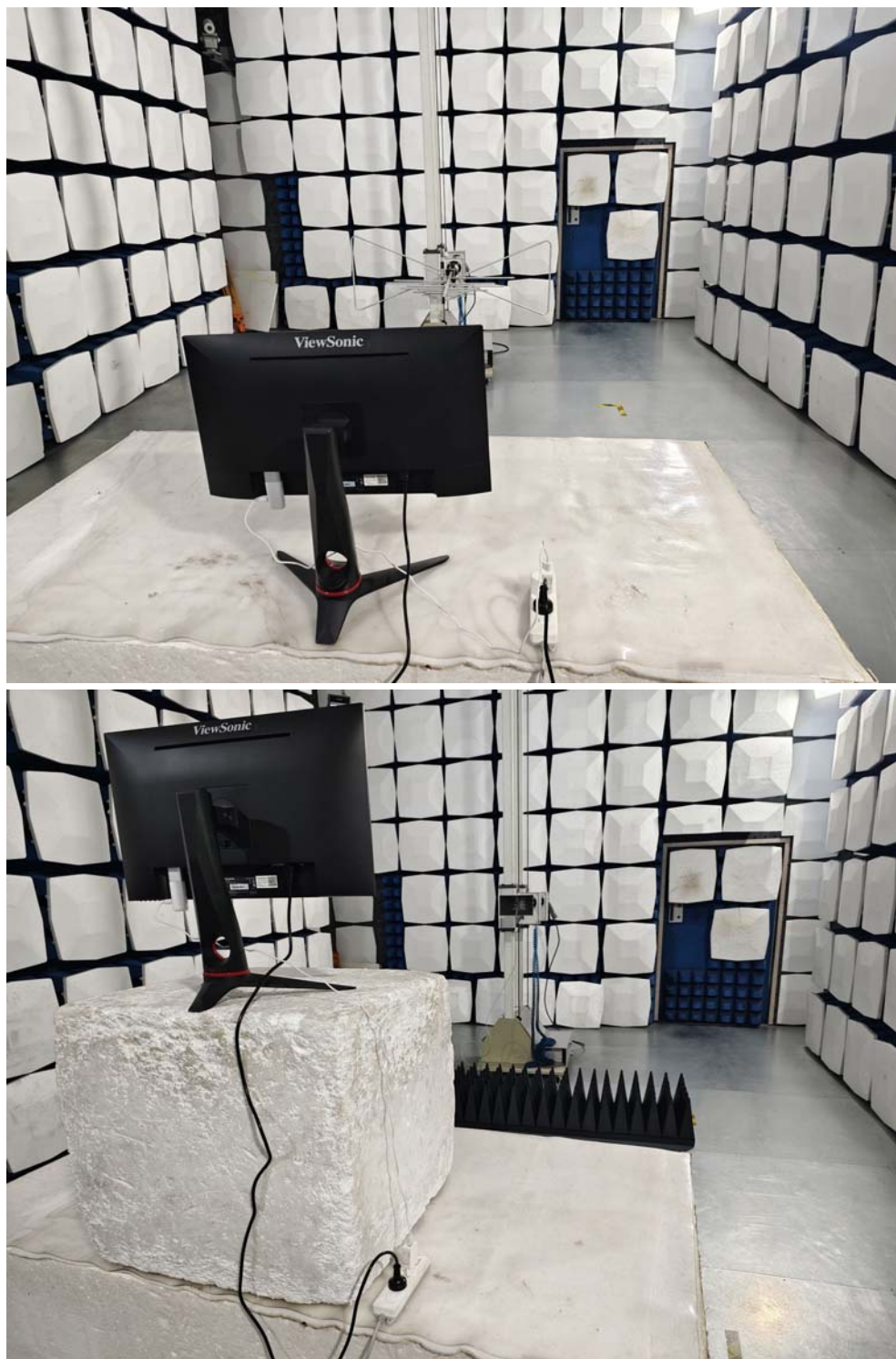
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Radiated Emission Test Setup



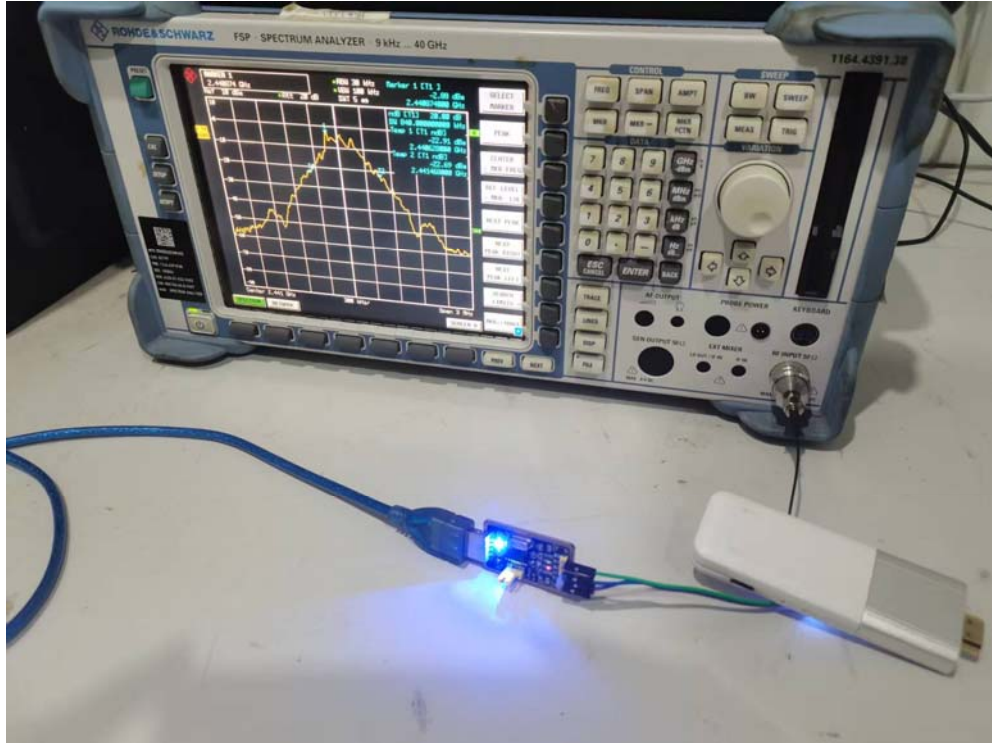
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RF test view



Photos of EUT

Please see test report TWN2511329-01E

--End of the report--

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