TEST REPORT

Report No: TWN2506340-04E

Applicant: YAU WAI TRADING

Product: EVPAD Player

Model No: EVPAD-12P, EVPAD-12S

Trademark: EVPAD

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: June 19, 2024

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

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada 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

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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 Industry Canada 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
Additional Trademark:	N/A
Model Number:	EVPAD-12P
Additional Model Number:	EVPAD-12S
Hardware Version:	V12
Software Version:	V12
Rating:	Input: DC5.0V, 2A
Power Supply:	Model: MDL010-0502000ZU Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A,10W
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 1: 5180MHz-5240MHz; 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

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IEEE 802.11ac (VHT20, VHT40): NSS1 mcs0-mcs9
IEEE 802.11ax (HEW20, HEW40): mcs0-mcs11

Antenna: FPC antenna used. The gain of the antennas is 4.22dBi 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 1			
802.11a / 11n HT20 /802.11ac VHT20/ 802.11ac HEW20		802.11n HT40 /802.11ac VHT40/ 802.11ax HEW40	
Channel	Frequency	Channel	Frequency
36	5180 MHz	38	5190 MHz
40	5200 MHz	46	5230 MHz
44	5220 MHz		
48	5240 MHz		
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 1			
802.11a / 11n HT20		802.11n HT40	
Channel	Frequency	Channel	Frequency
36	5180MHz	38	5190 MHz
40	5200 MHz	46	5230 MHz
48	5240 MHz		

Band 4			
802.11a / 11n HT20		802.11n HT40	
Channel	Frequency	Channel	Frequency
149	5745 MHz	151	5755 MHz

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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:2 Samples

1.5 Test Duration

2025-06-05 to 2025-06-19

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 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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic	--	--	N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2024-07-12	2025-07-11
RF Cable	Zhengdi	7m	--	2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

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 (a/1/2/3)	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 :2013 and ANSI C63.4 :2014
789033 D02 General UNII Test Procedures New Rules v01r04

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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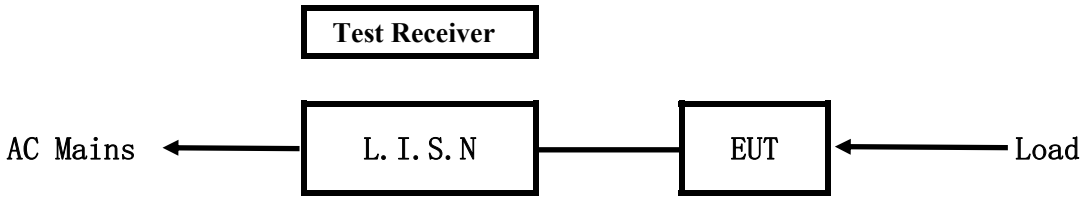
5. Power Line Conducted Emission Test

5.1 Schematics of the test



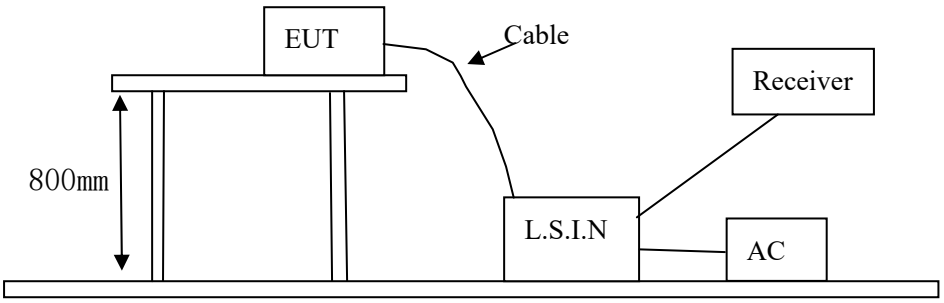
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2009.The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10–2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. 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-12P, EVPAD-12S	2A4G812P12S

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B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer	Model	Rating
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5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10 -2013.

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	56.0	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)

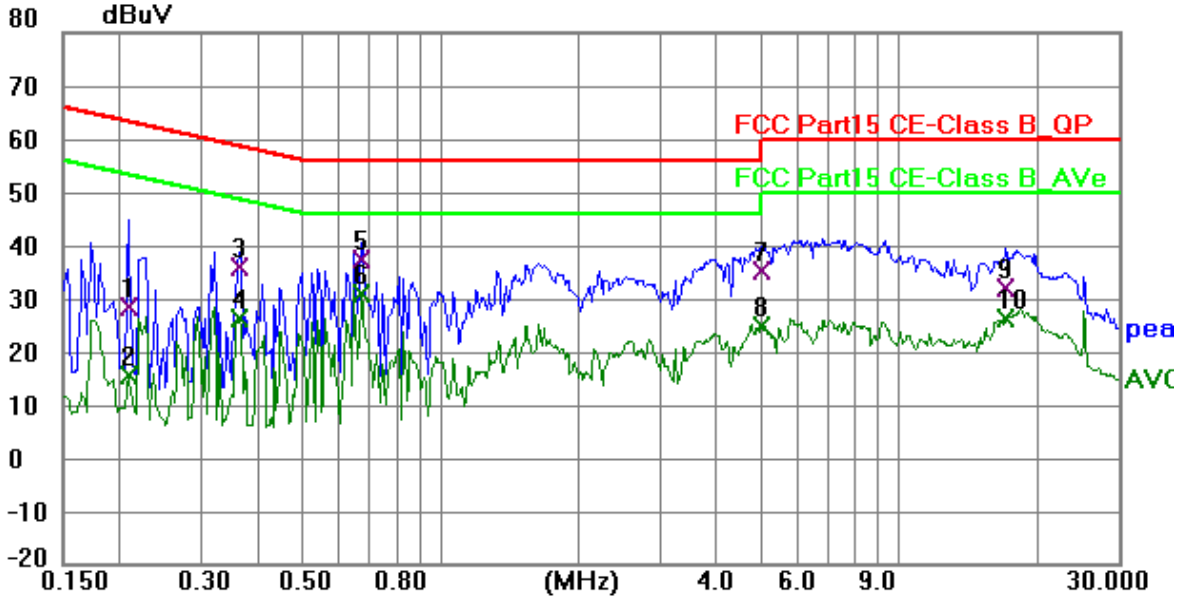
EUT Operating Environment

Temperature: 26℃ 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	0.2085	18.22	10.32	28.54	63.26	-34.72	QP	P
2	0.2085	5.06	10.32	15.38	53.26	-37.88	AVG	P
3	0.3645	25.61	10.36	35.97	58.63	-22.66	QP	P
4	0.3645	15.78	10.36	26.14	48.63	-22.49	AVG	P
5	0.6726	26.91	10.45	37.36	56.00	-18.64	QP	P
6	0.6726	20.46	10.45	30.91	46.00	-15.09	AVG	P
7	4.9812	23.05	12.29	35.34	56.00	-20.66	QP	P
8	4.9812	12.50	12.29	24.79	46.00	-21.21	AVG	P
9	17.0244	16.40	15.66	32.06	60.00	-27.94	QP	P
10	17.0244	10.58	15.66	26.24	50.00	-23.76	AVG	P

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

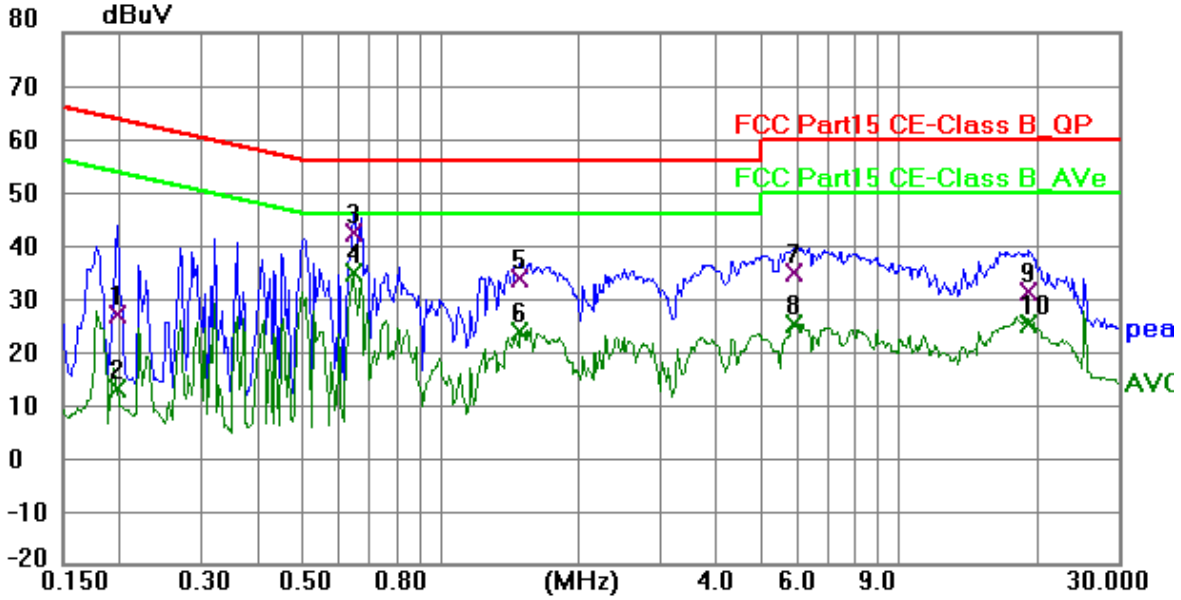
EUT Operating Environment

Temperature: 26℃ 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	0.1968	16.67	10.32	26.99	63.74	-36.75	QP	P
2	0.1968	2.86	10.32	13.18	53.74	-40.56	AVG	P
3	0.6453	31.77	10.44	42.21	56.00	-13.79	QP	P
4	0.6453	24.26	10.44	34.70	46.00	-11.30	AVG	P
5	1.4877	22.75	10.90	33.65	56.00	-22.35	QP	P
6	1.4877	12.96	10.90	23.86	46.00	-22.14	AVG	P
7	5.9250	22.33	12.55	34.88	60.00	-25.12	QP	P
8	5.9250	12.74	12.55	25.29	50.00	-24.71	AVG	P
9	19.1655	14.90	16.22	31.12	60.00	-28.88	QP	P
10	19.1655	8.97	16.22	25.19	50.00	-24.81	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 C63.10-2013. 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 C63.10-2013.

(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.

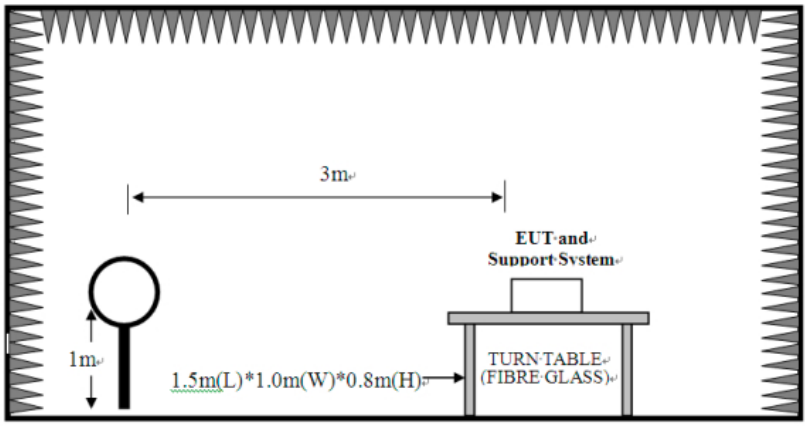
(4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.

(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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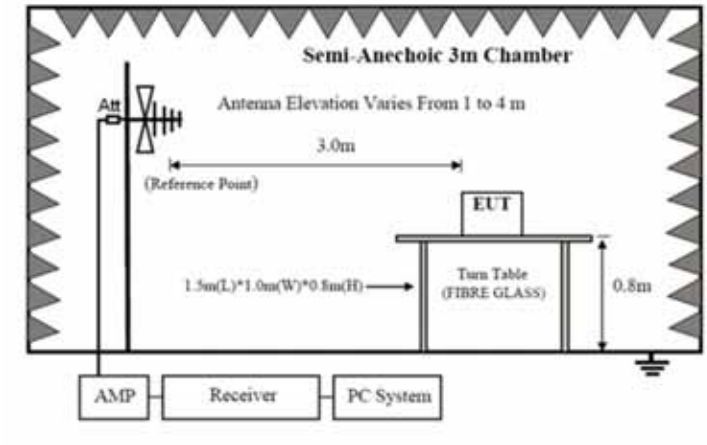
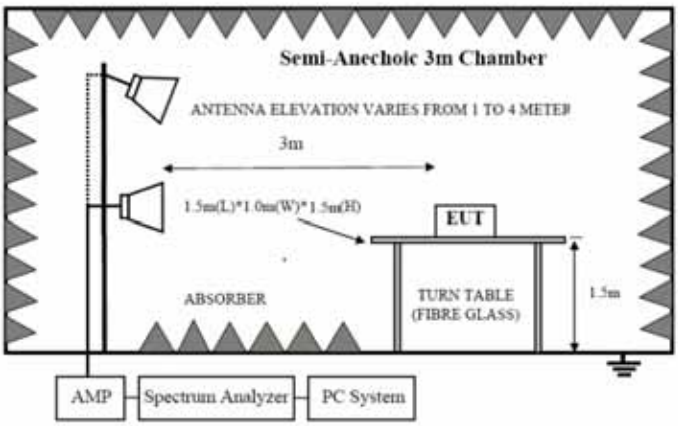
For radiated emissions from 30MHz to1GHz



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 (uV)
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.

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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**

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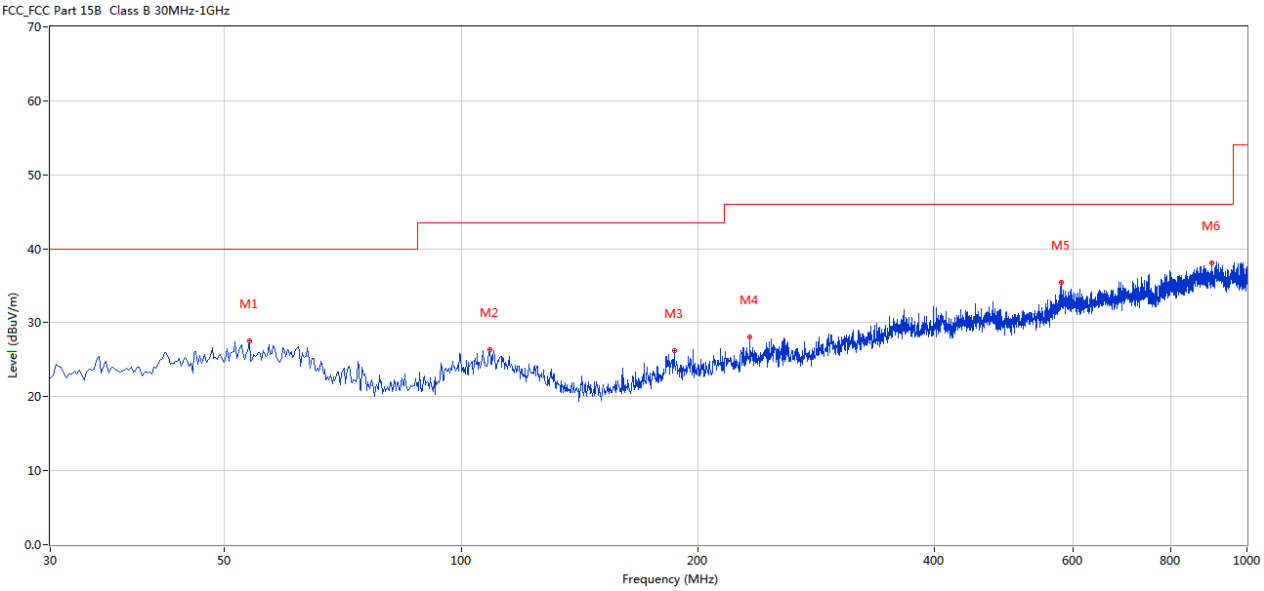
Test Figure:

H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.759	27.51	-5.16	40.0	12.49	Peak	324.00	100	Horizontal	Pass
2	108.793	26.32	-5.98	43.5	17.18	Peak	240.00	100	Horizontal	Pass
3	186.616	26.27	-7.24	43.5	17.23	Peak	96.00	100	Horizontal	Pass
4	232.922	28.04	-5.40	46.0	17.96	Peak	314.00	100	Horizontal	Pass
5	580.337	35.46	1.70	46.0	10.54	Peak		100	Horizontal	Pass
6	902.054	38.10	4.60	46.0	7.90	Peak	41.00	100	Horizontal	Pass

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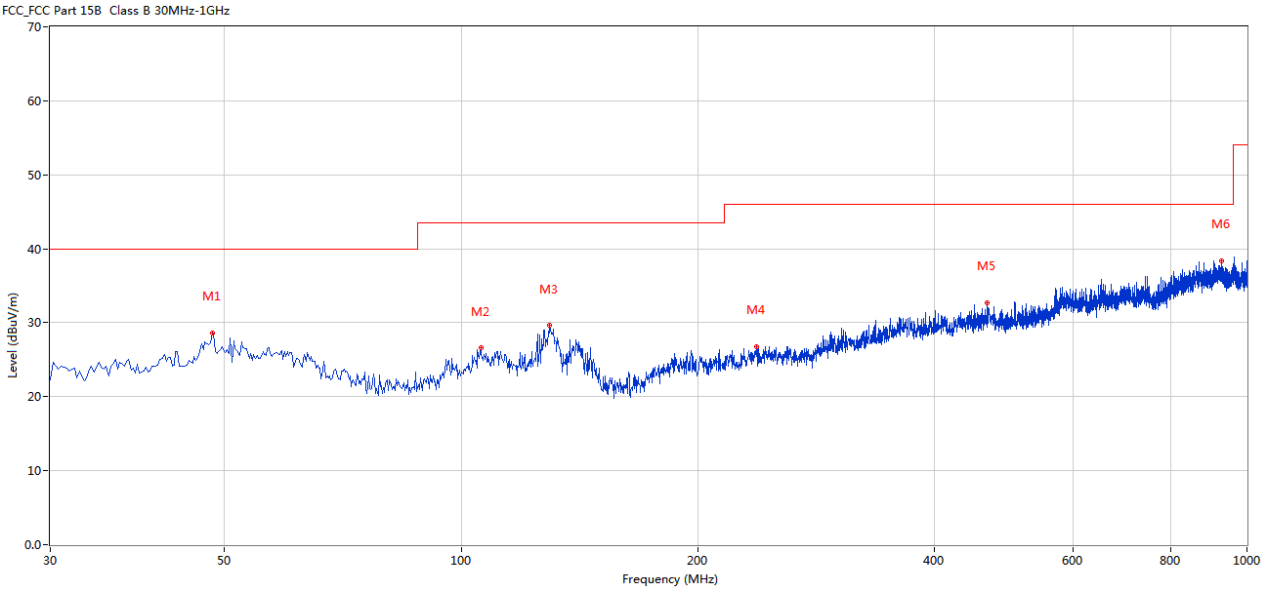
Test Figure:

V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.183	28.58	-5.34	40.0	11.42	Peak	154.00	100	Vertical	Pass
2	105.884	26.56	-6.16	43.5	16.94	Peak	181.00	100	Vertical	Pass
3	129.400	29.60	-8.55	43.5	13.90	Peak	207.00	100	Vertical	Pass
4	237.771	26.75	-5.52	46.0	19.25	Peak	248.00	100	Vertical	Pass
5	467.118	32.66	-0.42	46.0	13.34	Peak	129.00	100	Vertical	Pass
6	927.996	38.40	5.14	46.0	7.60	Peak	108.00	100	Vertical	Pass

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Operation Mode: Keeping Transmitting under CH36 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5180.00	99.23（PK）	V	Fundamental Frequency
5180.00	90.45（PK）	H	
10360	--	V	74(Peak)/ 54(AV)
10360	--	H	74(Peak)/ 54(AV)
15540	--	H/V	74(Peak)/ 54(AV)
20720	--	H/V	74(Peak)/ 54(AV)
25900	--	H/V	74(Peak)/ 54(AV)
31080	--	H/V	74(Peak)/ 54(AV)
36260	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Pre-amplifier
2. Remark "---" means that the emissions level is too low to be measured

Operation Mode: Keeping Transmitting under CH40 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5200.00	101.71（PK）	V	Fundamental Frequency
5200.00	93.30（PK）	H	
10400	--	V	74(Peak)/ 54(AV)
10400	--	H	74(Peak)/ 54(AV)
15600	--	V	74(Peak)/ 54(AV)
20800	--	H/V	74(Peak)/ 54(AV)
26000	--	H/V	74(Peak)/ 54(AV)
31200	--	H/V	74(Peak)/ 54(AV)
36400	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable - Pre-amplifier
2. Remark "---" means that the emissions level is too low to be measured

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Operation Mode: Keeping Transmitting under CH48 for 11a at 6Mbps

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB μ V/m)
5240.00	100.08（PK）	V	Fundamental Frequency
5240.00	90.76（PK）	H	
10480	--	V	74(Peak)/ 54(AV)
10480	--	H	74(Peak)/ 54(AV)
15720	--	H/V	74(Peak)/ 54(AV)
20960	--	H/V	74(Peak)/ 54(AV)
26200	--	H/V	74(Peak)/ 54(AV)
31440	--	H/V	74(Peak)/ 54(AV)
36680	--	H/V	74(Peak)/ 54(AV)

Note: 1. Level = Reading + AF + Cable – Pre-amplifier
2. Remark "---" means that the emissions level is too low to be measured

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	100.52（PK）	V	Fundamental Frequency
5745.00	90.41（PK）	H	
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

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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	102.40（PK）	V	Fundamental Frequency
5785.00	93.53（PK）	H	
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

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）	V	Fundamental Frequency
5825.00	86.98（PK）	H	
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	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	51.2	Limit	-27dBm/MHz
	EIRP (dBm)	-44.0		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 51.2 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=51.2-95.2=-44.0dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	42.6 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-52.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 42.6 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=42.6-95.2=-52.6dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	52.9 (PK)	Limit	-27dBm/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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.9dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.9-95.2=-42.3dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)-11a
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	44.8 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-50.4		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 44.8dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=44.8-95.2=-50.4dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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)	55.1 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-40.1		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 55.1 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=55.1-95.2=-40.1dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.5 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.5-95.2=-46.7dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 56.1dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=56.1-95.2=-39.1dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 50.6 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=50.6 -95.2=-44.6dBm
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	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	48.3(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.9		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.3 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.3-95.2=-46.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	42.4 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-52.8		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 42.4dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=42.4-95.2=-52.8dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	50.9(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-44.3		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 50.9dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=50.9-95.2=-44.3dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)-11n/HT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	46.5(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-48.7		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 46.5dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=46.5-95.2=-48.7dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.3dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.3-95.2=-42.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 46.7dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=46.7-95.2=-48.5dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 55.3dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=55.3-95.2= -39.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.3dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.3-95.2=-46.9dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	49.2(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.0		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 49.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=49.2-95.2=-46.0dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	46.1(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-49.1		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 46.1dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=46.1-95.2=-49.1dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	51.6(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-43.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 51.6dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=51.6-95.2=-43.6dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)-11n/HT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	48.2(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.0		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.2-95.2=-47.0dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.6 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.6 -95.2= -42.6dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 47.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=47.2-95.2=-48.0dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 55.6dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=55.6-95.2=-39.6dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 49.5 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=49.5-95.2=-45.7dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	48.3(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.9		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.3 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.3-95.2=-46.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	41.2 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-54.0		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 41.2 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=41.2-95.2=-54.0dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	51.6 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-43.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 51.6dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=51.6-95.2=-43.6dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)- 11ac VHT20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	44.6 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-50.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 44.6dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=44.6-95.2=-50.6dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 54.6 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=54.6-95.2=-40.6dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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)	48.0(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-47.2		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.0 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.0-95.2=-47.2dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 57.3dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=57.3-95.2=-37.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 53.2 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=53.2 -95.2=-42.0dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)-11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	48.1(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-47.1		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.1 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.1-95.2=-47.1dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)-11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	42.0 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-53.2		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 42.0dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=42.0-95.2=-53.2dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	52.5(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-42.7		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.5dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.5-95.2=-42.7dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)- 11ac VHT40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	45.8(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-49.4		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 45.8dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=45.8-95.2=-49.4dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 50.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=50.2-95.2=-45.0dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 45.1dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=45.1-95.2=-50.1dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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)	54.8 (PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-40.4		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 54.8dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=54.8-95.2= -40.4dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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)	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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.9dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.9-95.2=-46.3dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)-11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	48.5(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.7		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.5 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.5-95.2=-46.7dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 36 (5180MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	41.6 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-53.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 41.6 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=41.6-95.2=-53.6dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	50.2 (PK)	Limit	-27dBm/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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 50.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=50.2-95.2=-45.0dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 48 (5240MHz)- 11ax HEW20
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	43.3 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-51.9		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 43.3dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=43.3-95.2=-51.9dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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)	52.3 (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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.3 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.3-95.2=-42.9dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.9 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.9-95.2=-46.3dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 55.7dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=55.7-95.2=-39.5dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.9 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.9 -95.2=-42.3dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	48.5(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-46.7		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.5 dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.5-95.2=-46.7dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 38 (5190MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5150	PK (dBμV/m)	43.2 (PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-52.0		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 43.2dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=43.2-95.2=-52.0dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	52.9(PK)	Limit	-27dBm/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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 52.9dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=52.9-95.2=-42.3dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		Test Mode:	Channel 46 (5230MHz)- 11ax HEW40
Mode	Keeping Transmitting		Input Voltage	120V~
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		Detector	PK
5250	PK (dBμV/m)	47.6(PK)	Limit	-27dBm/MHz
	EIRP (dBm)	-47.6		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 47.6dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=47.6-95.2=-47.6dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 53.5dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=53.5-95.2=-41.7dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 48.8dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=48.8-95.2=-46.4dBm
2. RBW=1MHz, VBW=3MHz

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Restricted band Measurement				
EUT	EVPAD Player		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)	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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 56.1dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=56.1-95.2= -39.1dBm
2. RBW=1MHz, VBW=3MHz

Restricted band Measurement				
EUT	EVPAD Player		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)	49.8(PK)	Limit	-17dBm/MHz
	EIRP (dBm)	-45.4		
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:
EIRP[dBm] = E[dBμV/m] - 95.2
For Example, if E[dBμV/m]= 49.8dBμV/m,
EIRP[dBm] = E[dBμV/m] - 95.2=49.8-95.2=-45.4dBm
2. RBW=1MHz, VBW=3MHz

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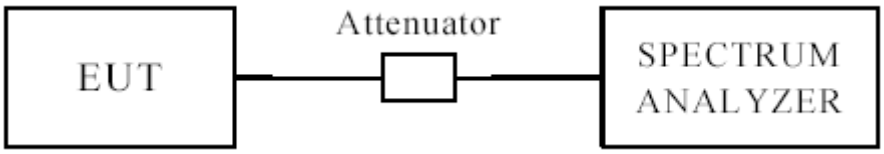
7.0 Emission Bandwidth

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≥ 3 × 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≥ 3 × 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

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	25.337	0.5	Pass
		5200		24.723	0.5	Pass
		5240		24.615	0.5	Pass
	n20	5180		26.146	0.5	Pass
		5200		25.088	0.5	Pass
		5240		25.509	0.5	Pass
	n40	5190		50.87	0.5	Pass
		5230		51.43	0.5	Pass
	ac20	5180		26.348	0.5	Pass
		5200		26.261	0.5	Pass
		5240		25.74	0.5	Pass
	ac40	5190		50.508	0.5	Pass
		5230		49.296	0.5	Pass
	ax20	5180		26.164	0.5	Pass
		5200		24.609	0.5	Pass
		5240		26.307	0.5	Pass
	ax40	5190		48.933	0.5	Pass
		5230		48.071	0.5	Pass

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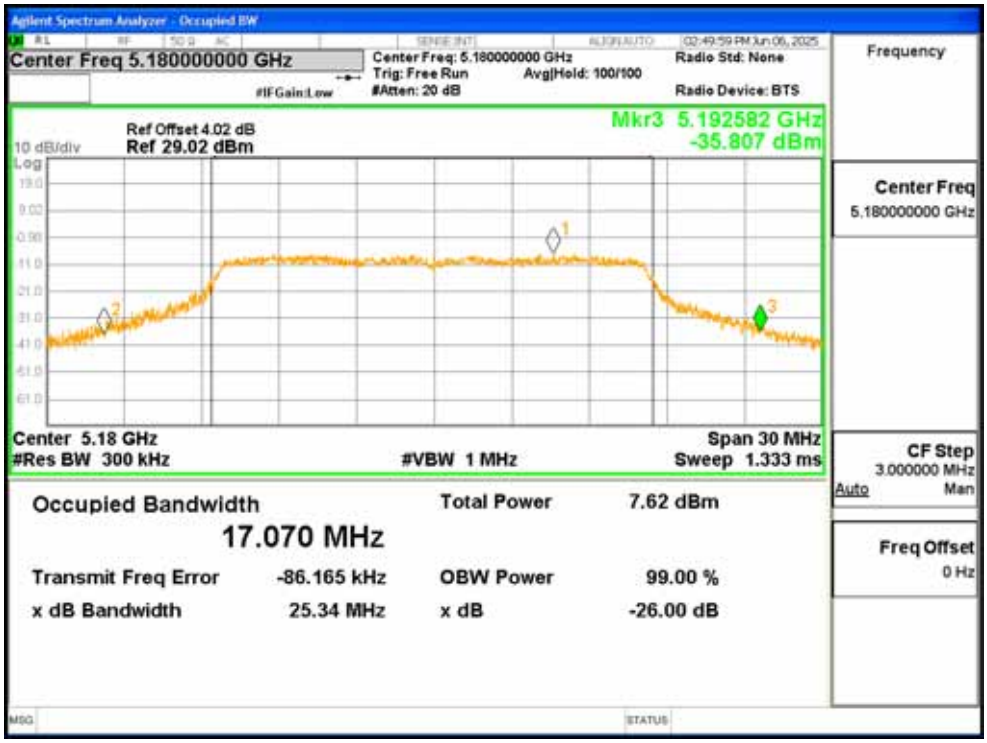
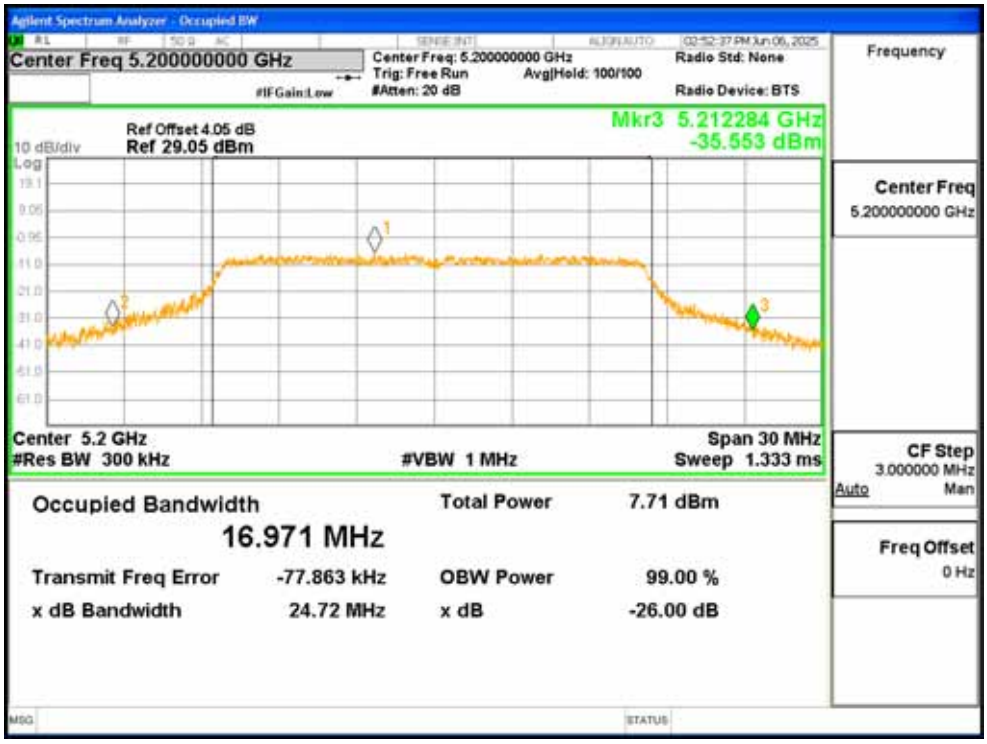
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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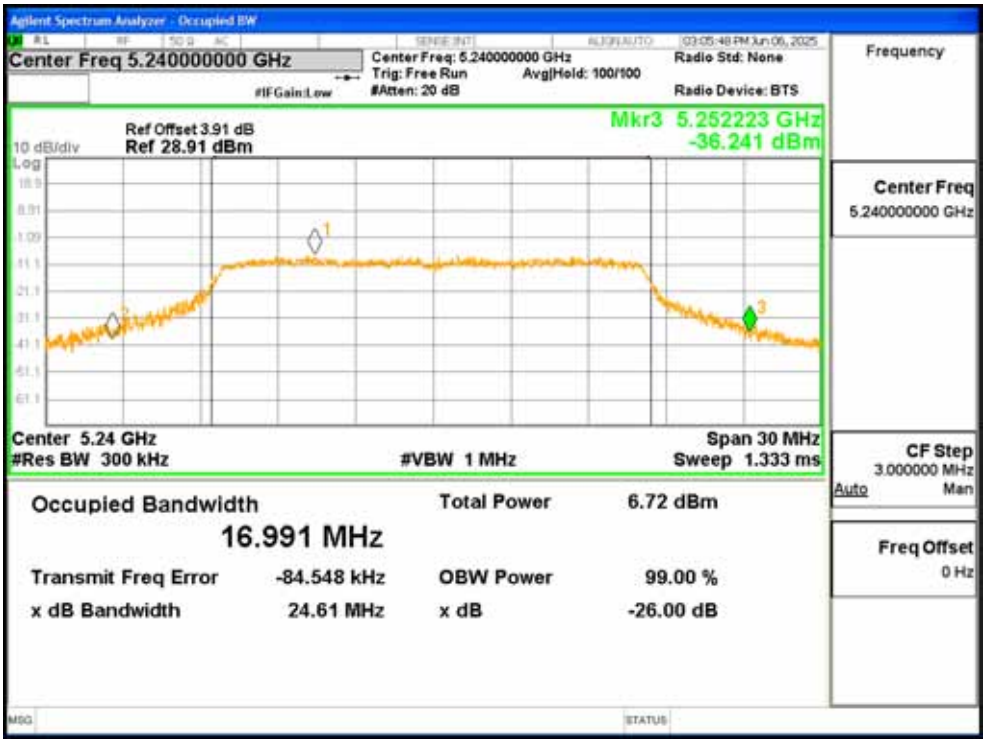
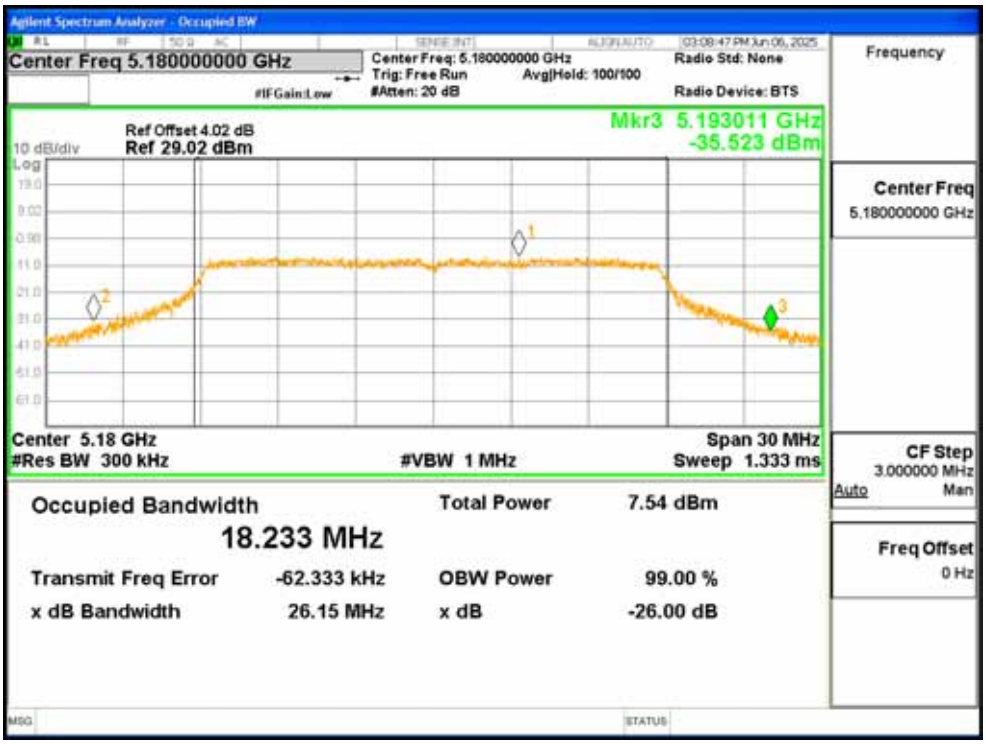
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



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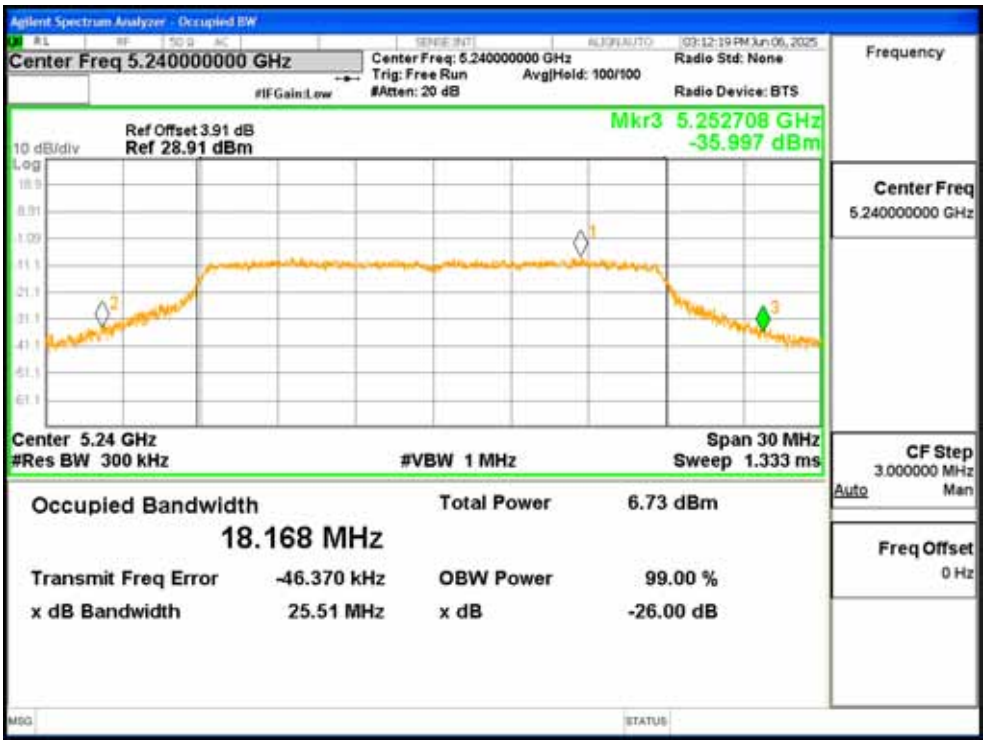
-26dB Bandwidth NVNT n20 5200MHz Ant1

-26dB Bandwidth NVNT n20 5240MHz Ant1



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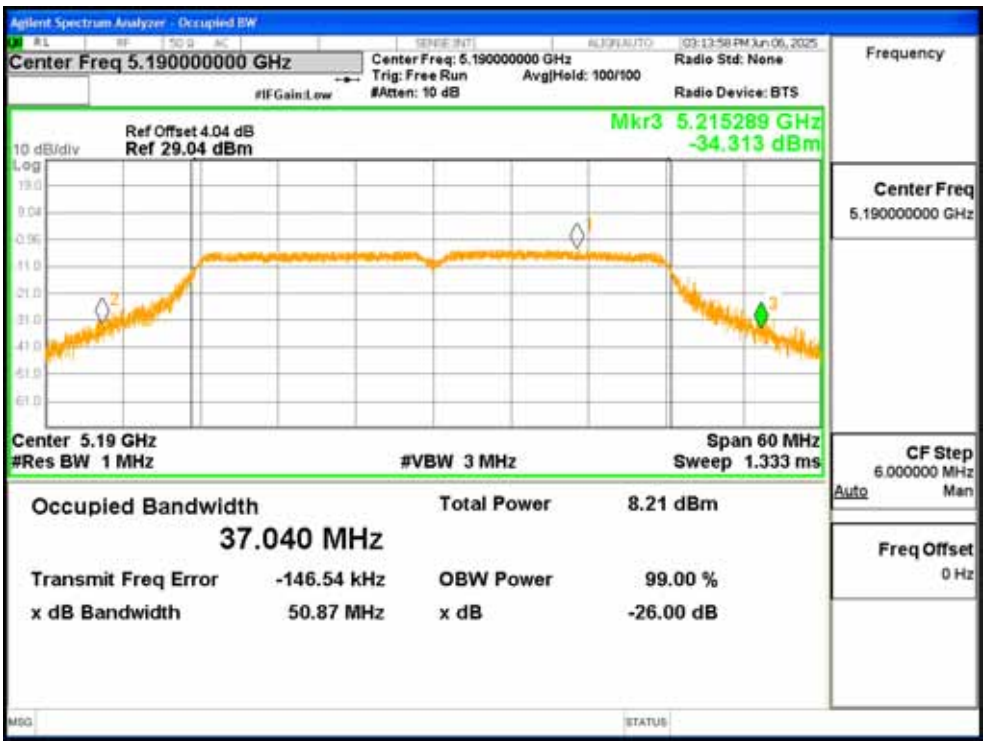
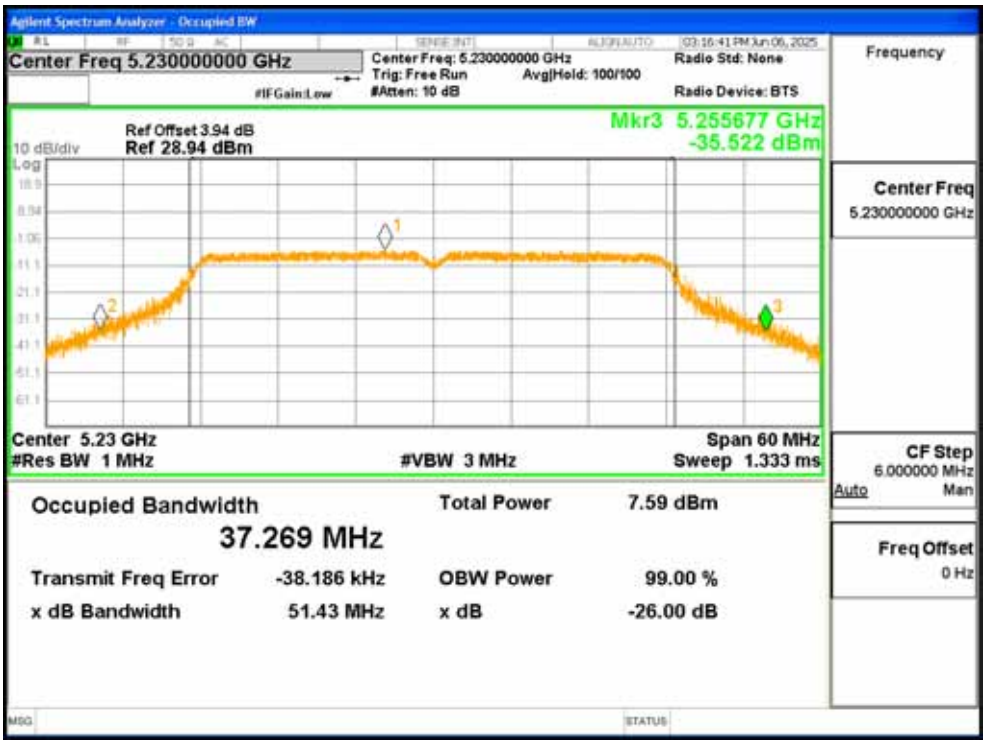
-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



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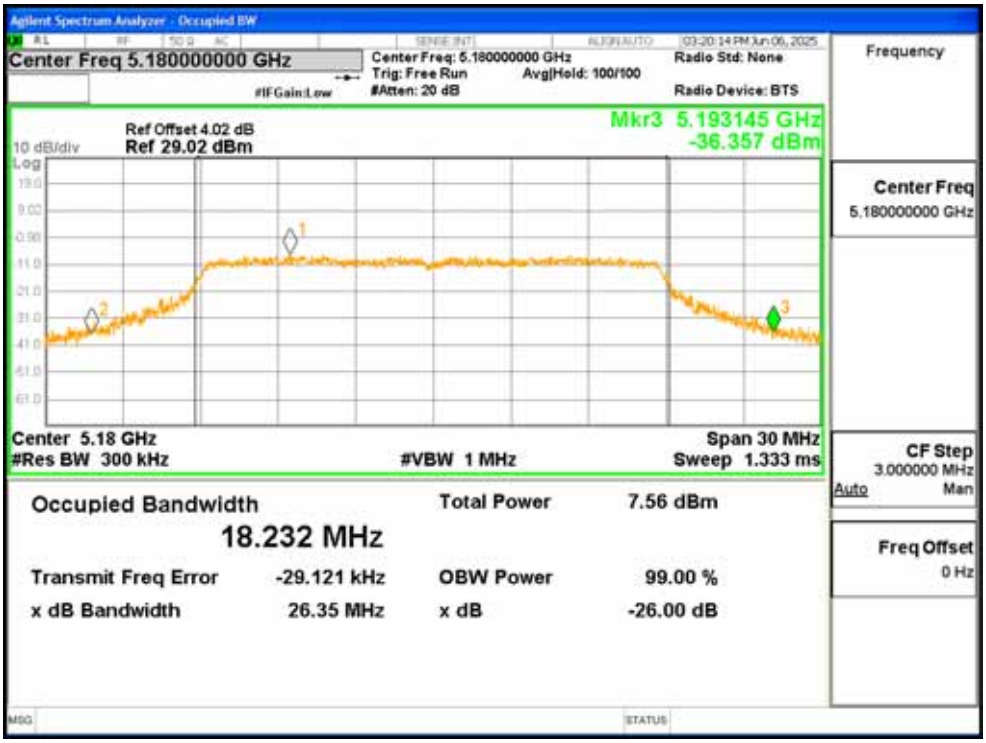
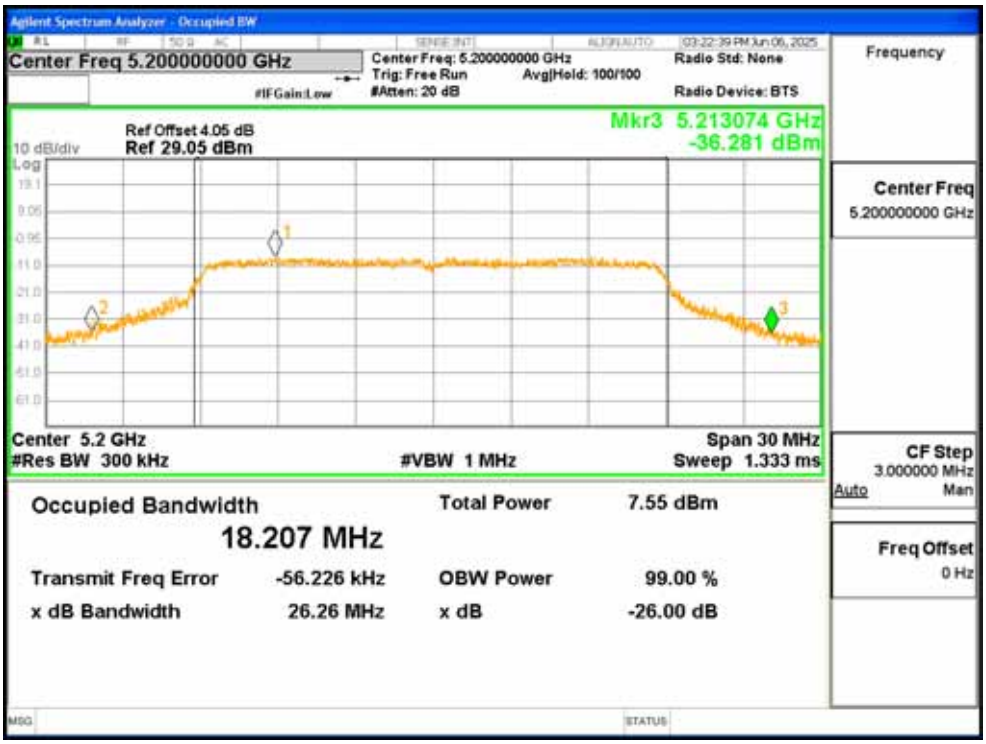
-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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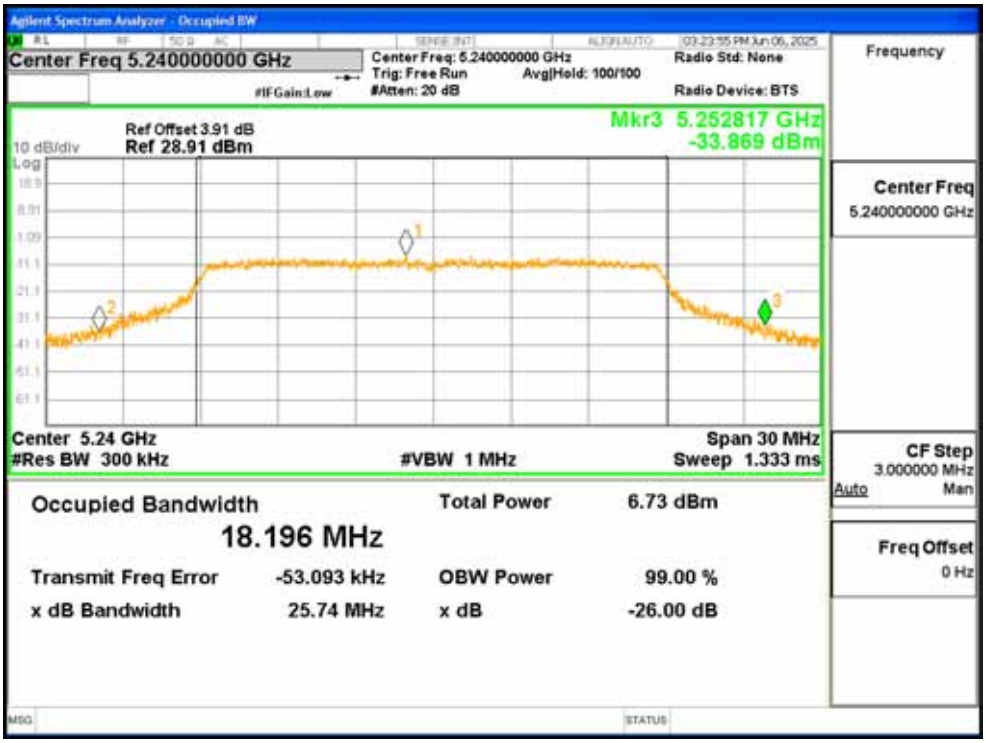
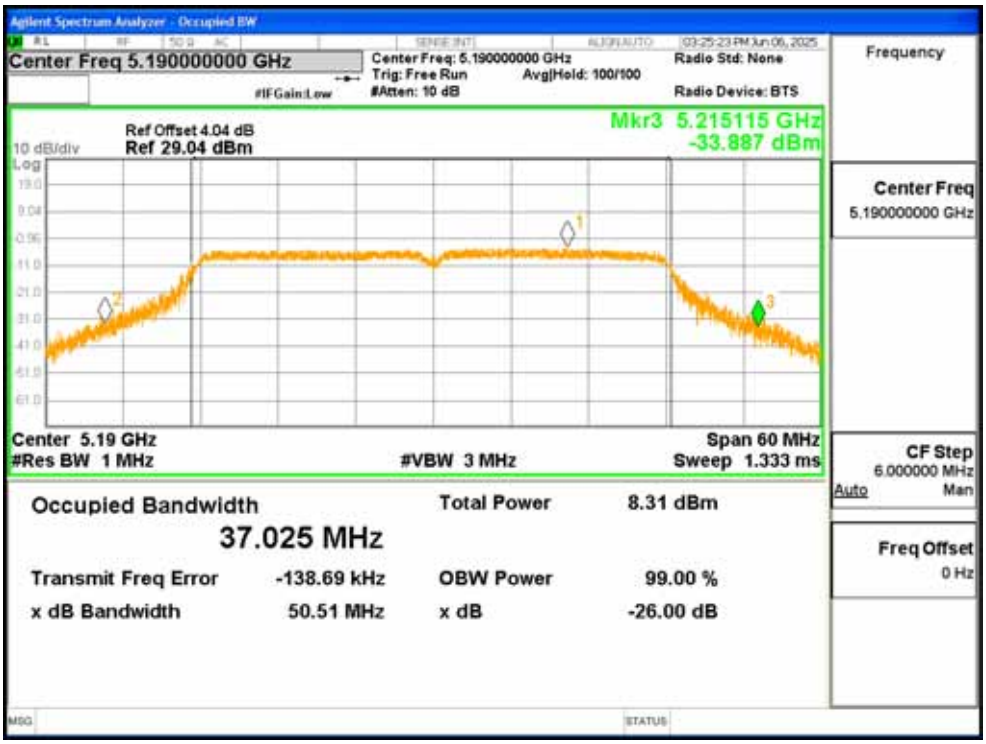
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



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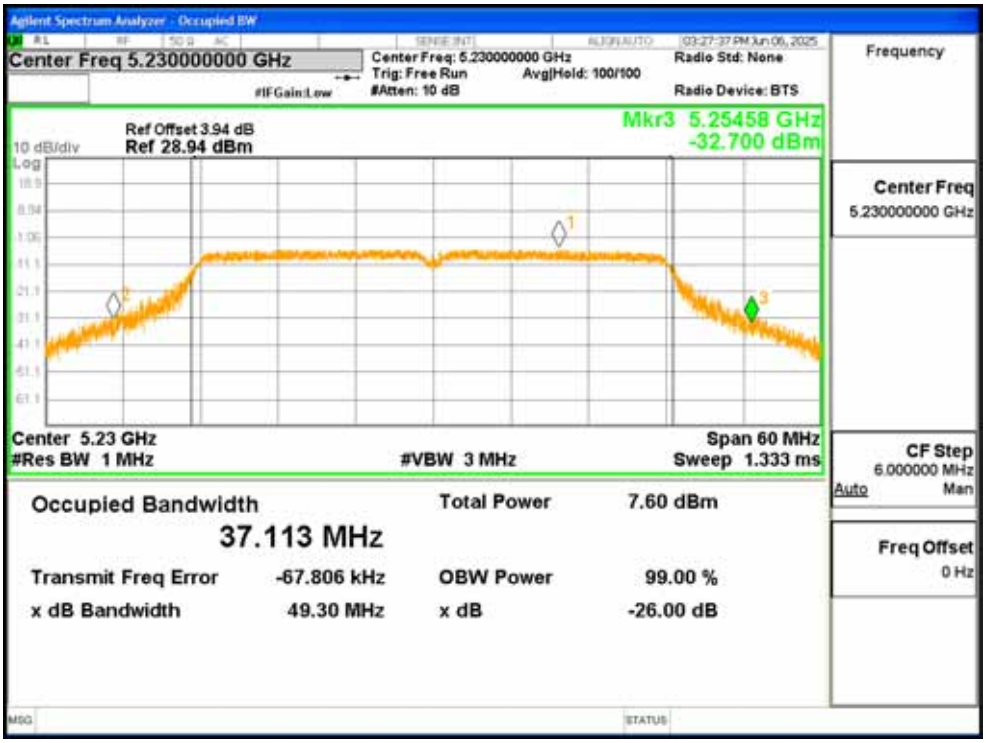
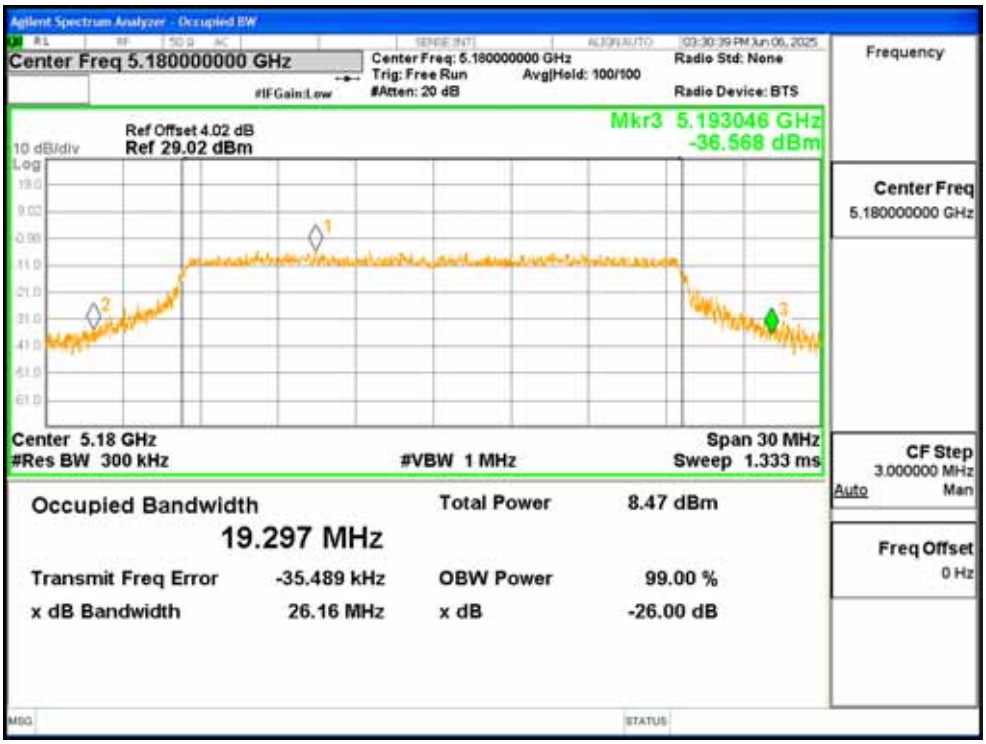
-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant1



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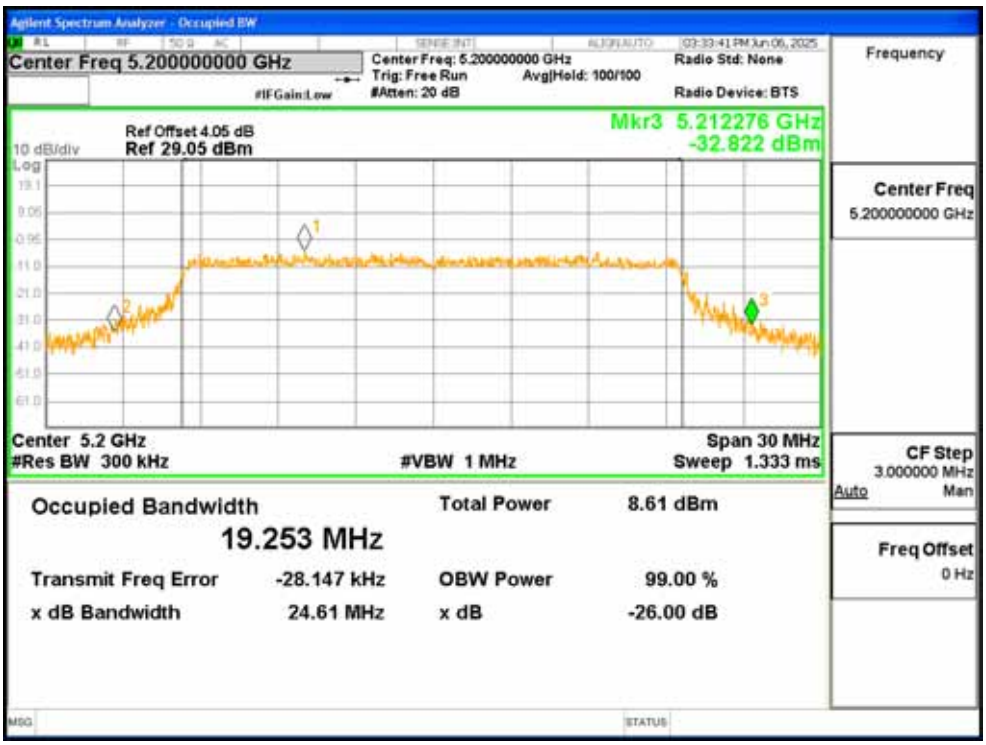
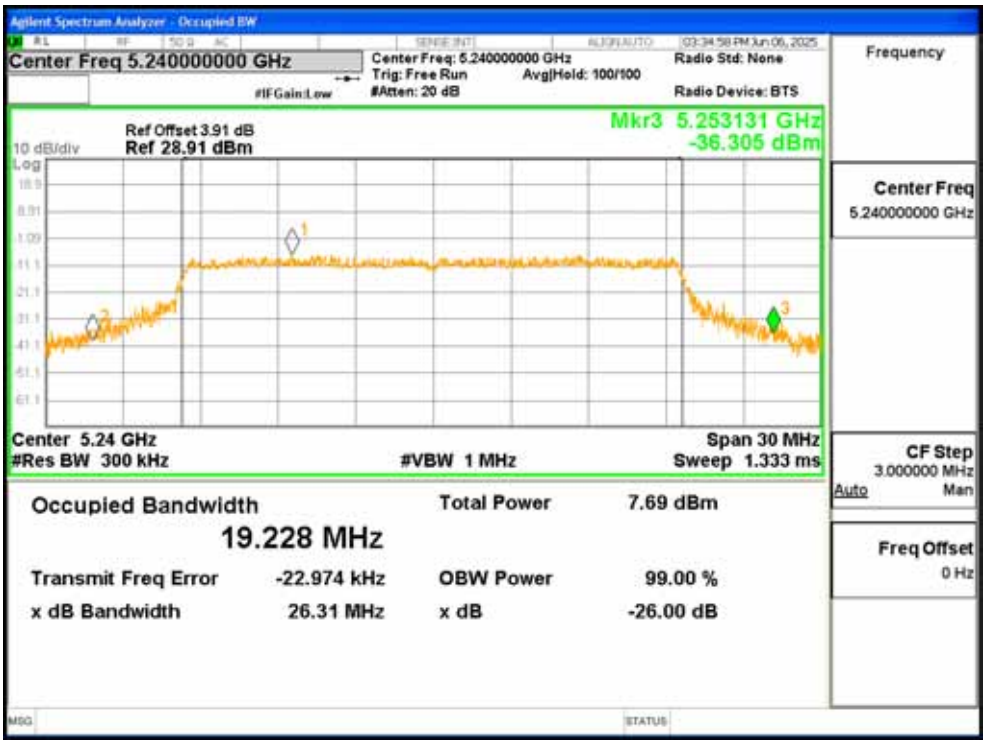
-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



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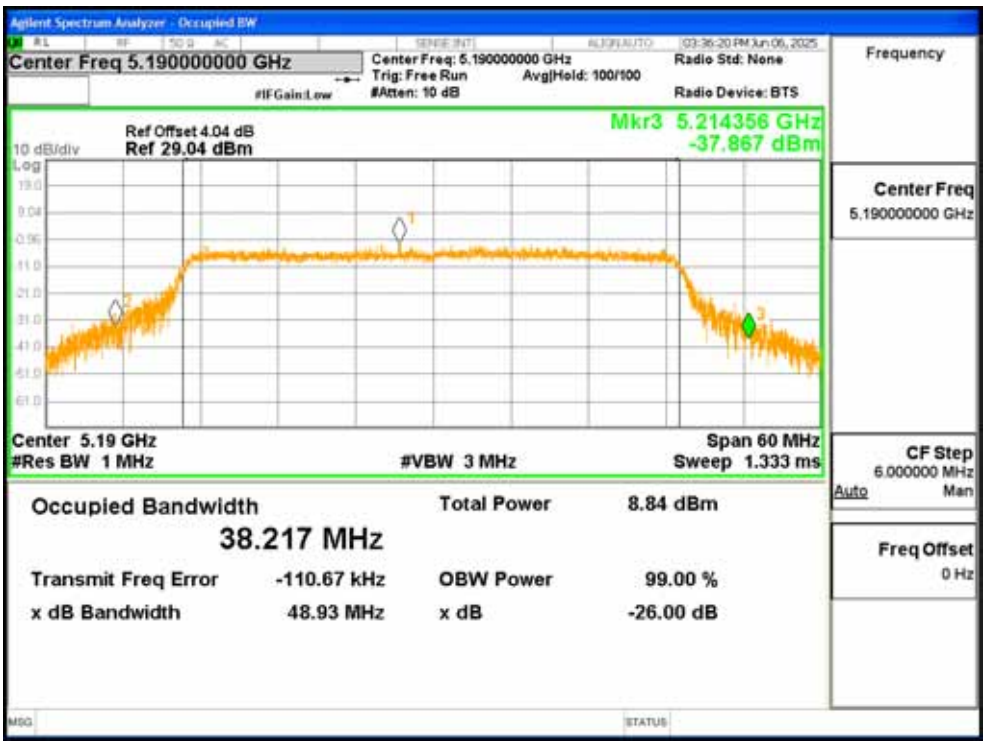
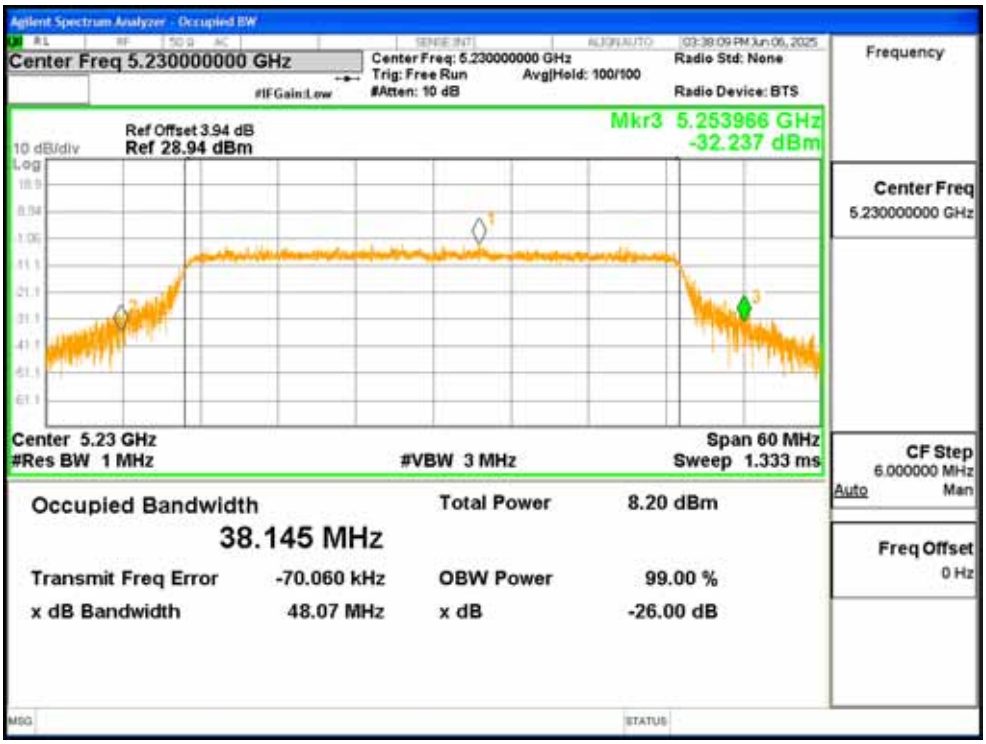
-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1



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Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.704
		5200		16.661
		5240		16.702
	n20	5180		17.966
		5200		17.92
		5240		17.918
	n40	5190		36.514
		5230		36.525
	ac20	5180		17.971
		5200		17.907
		5240		17.89
	ac40	5190		36.43
		5230		36.475
	ax20	5180		19.145
		5200		19.169
		5240		19.137
	ax40	5190		37.943
		5230		37.87

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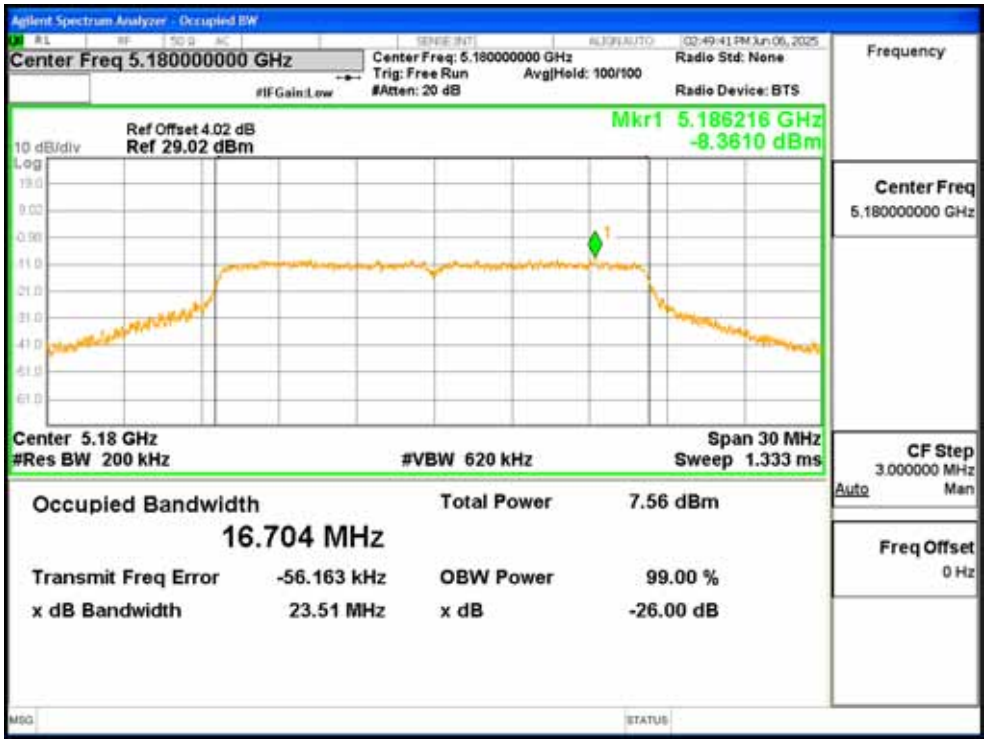
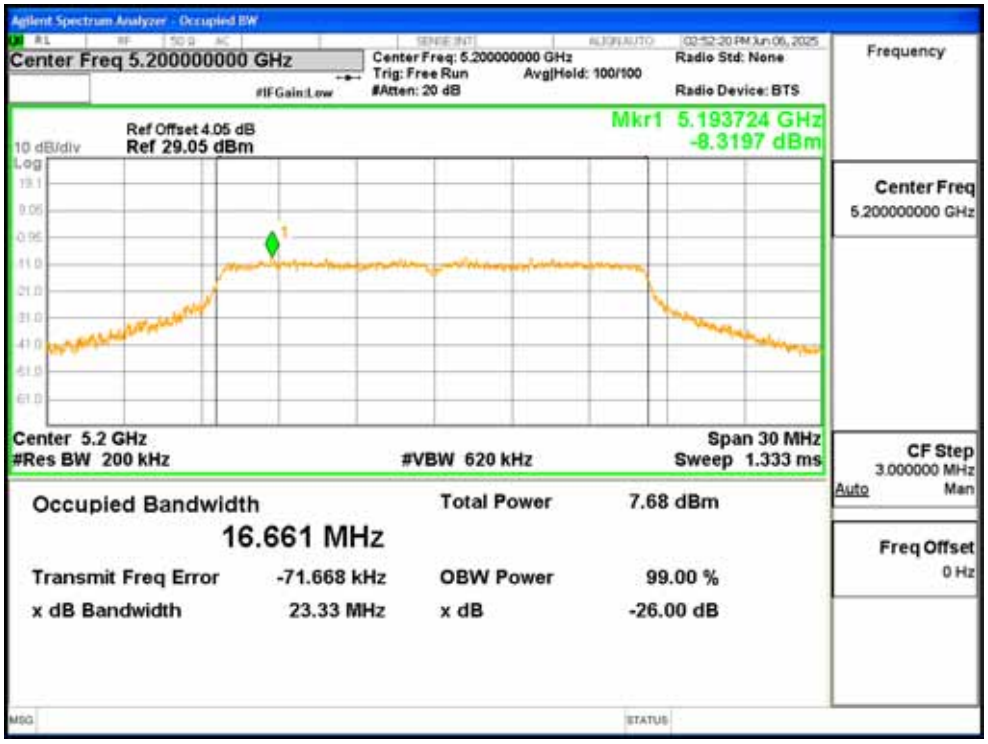
Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



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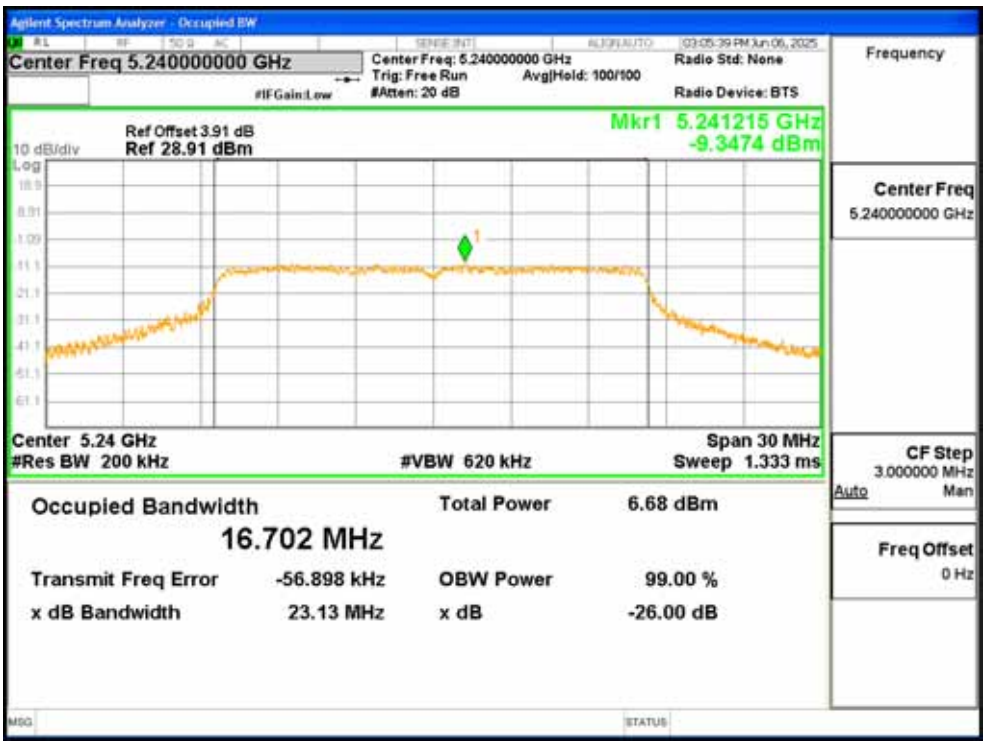
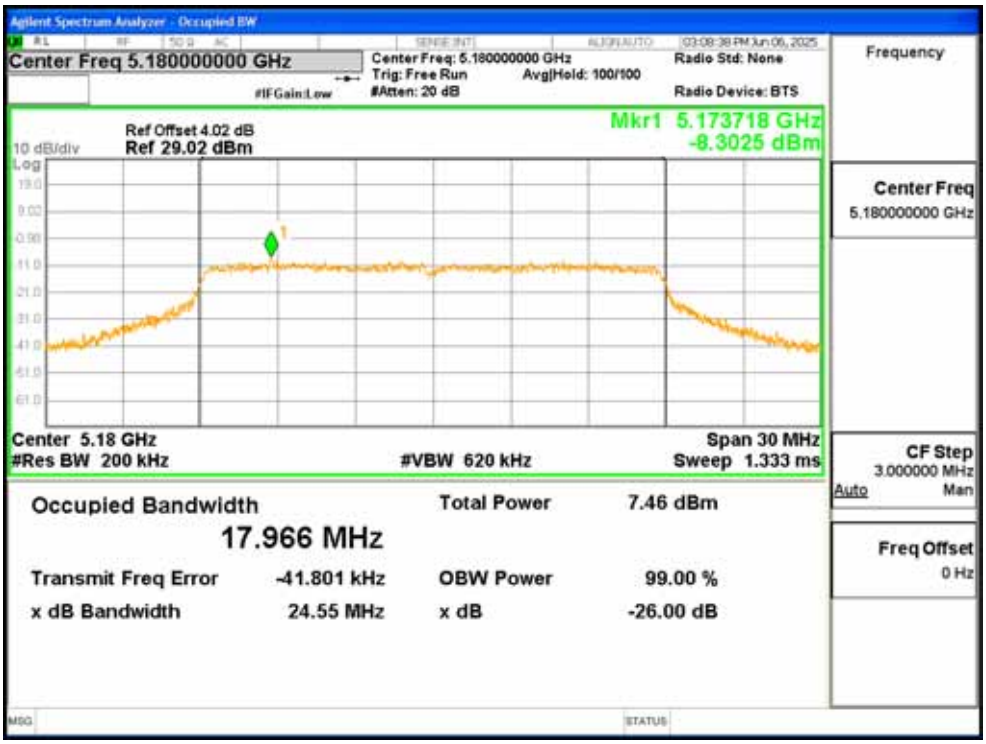
OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1



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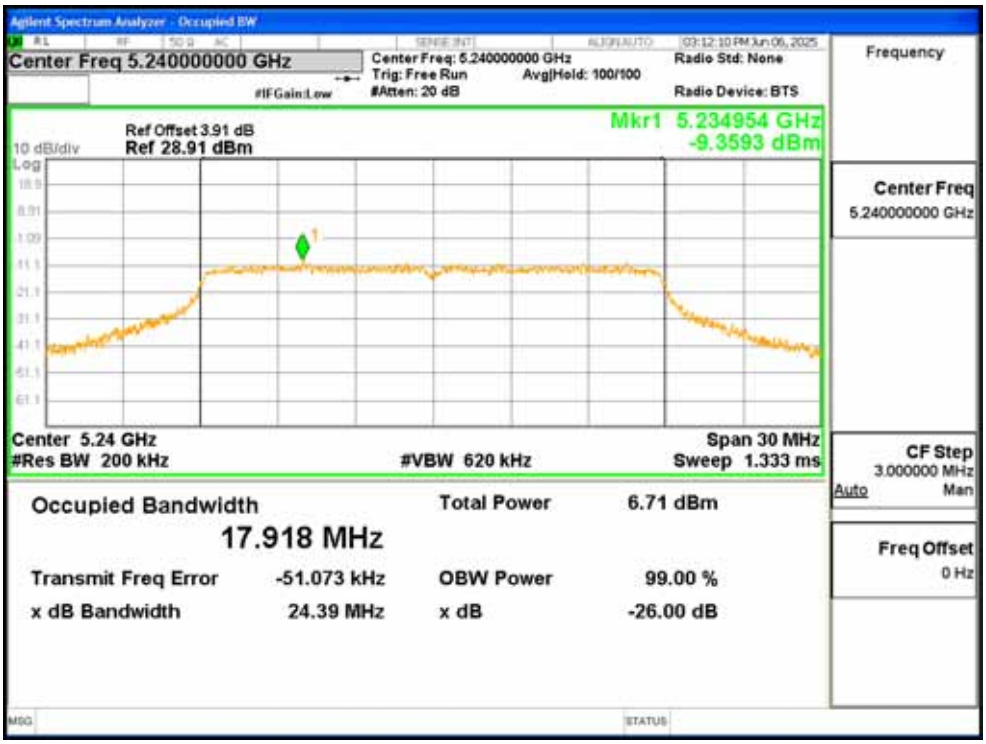
OBW NVNT n20 5200MHz Ant1

OBW NVNT n20 5240MHz Ant1



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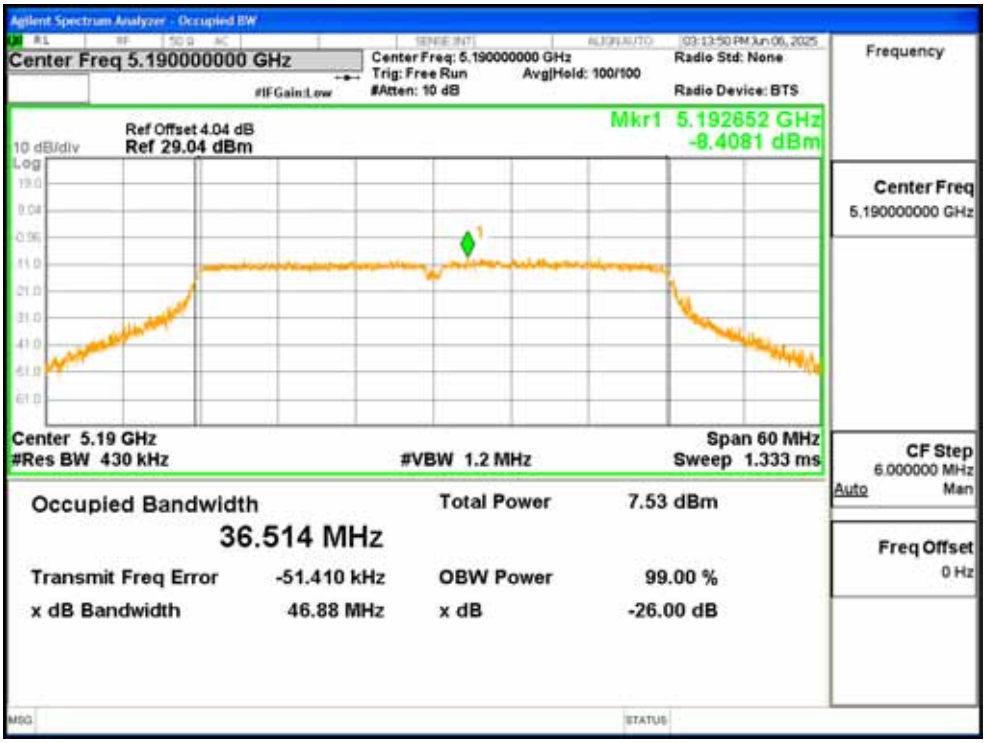
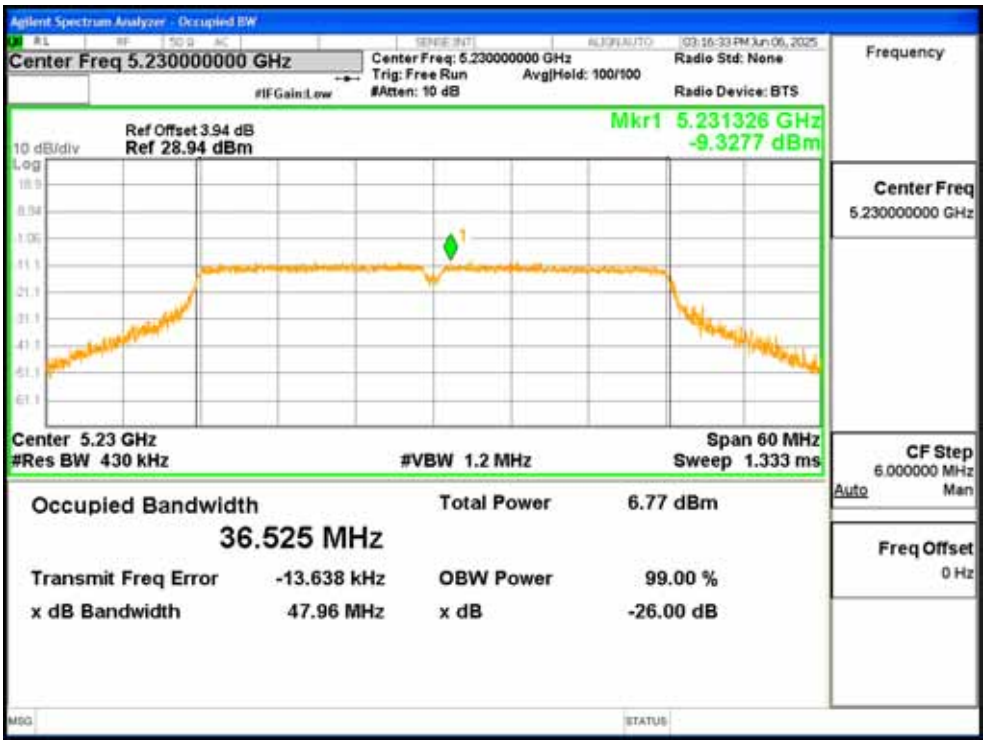
OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



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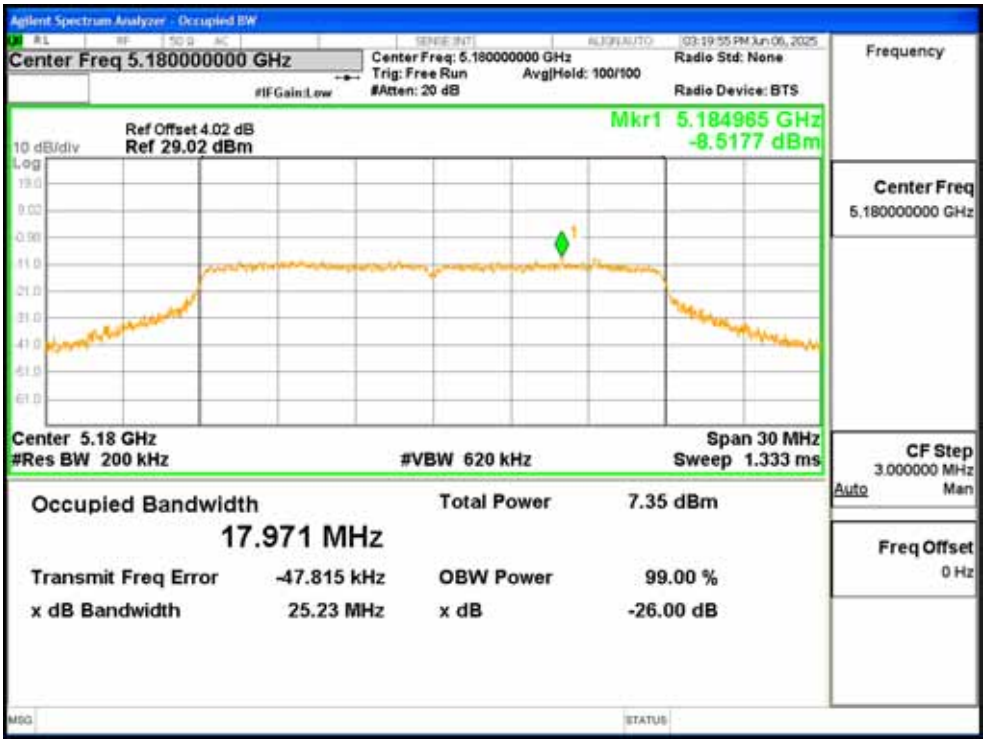
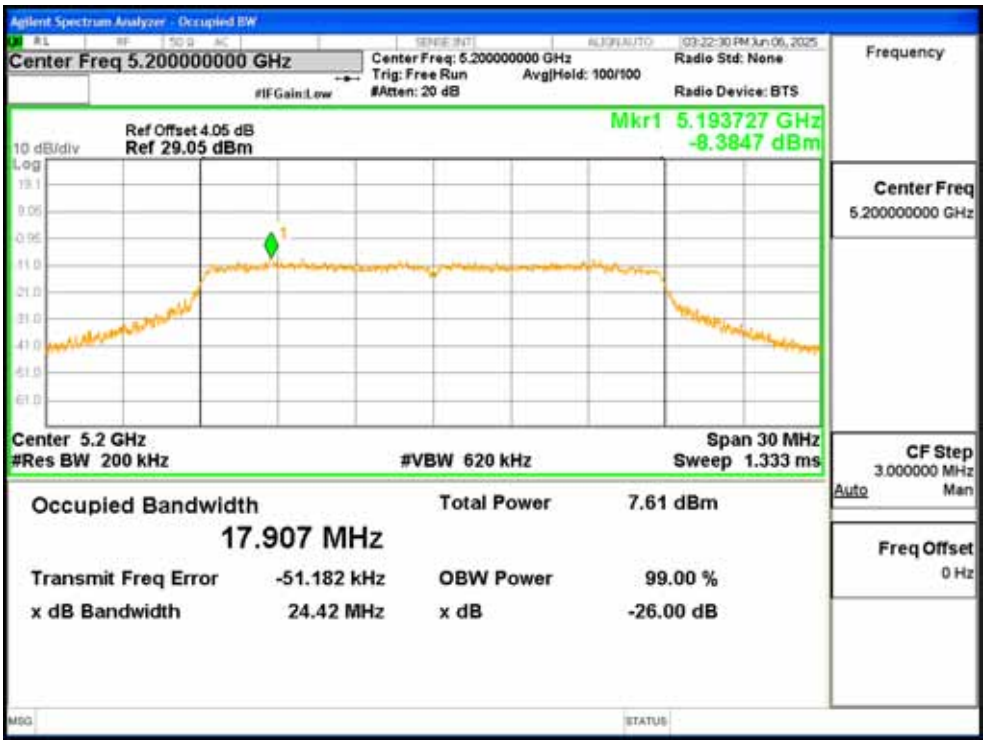
OBW NVNT ac20 5180MHz Ant1



OBW NVNT ac20 5200MHz Ant1



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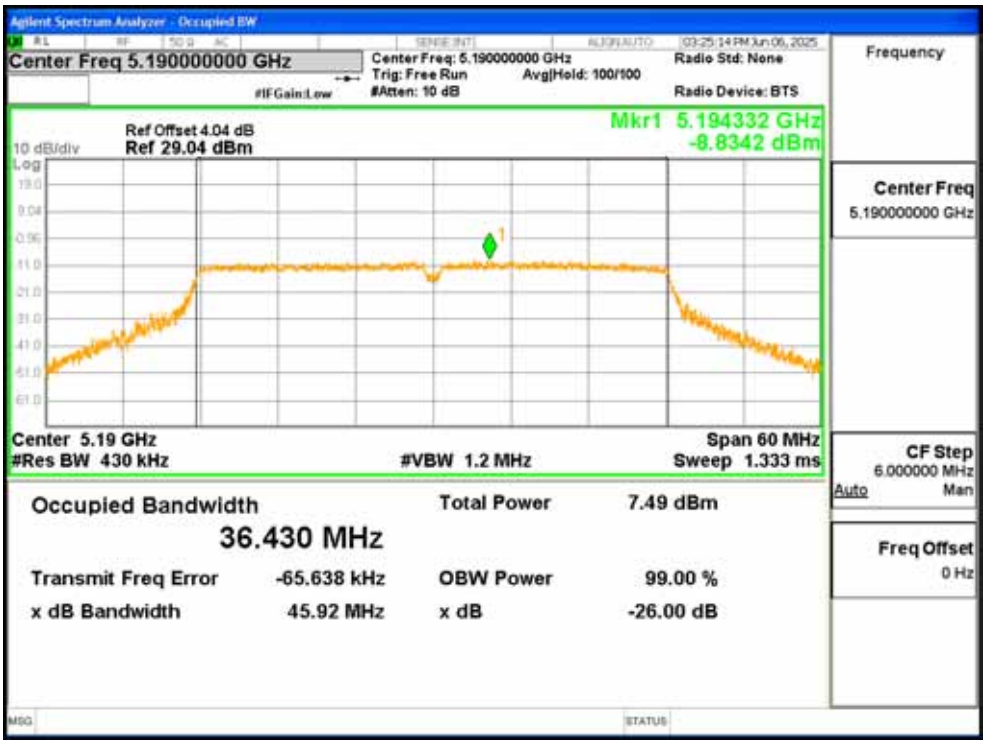
OBW NVNT ac20 5240MHz Ant1

OBW NVNT ac40 5190MHz Ant1



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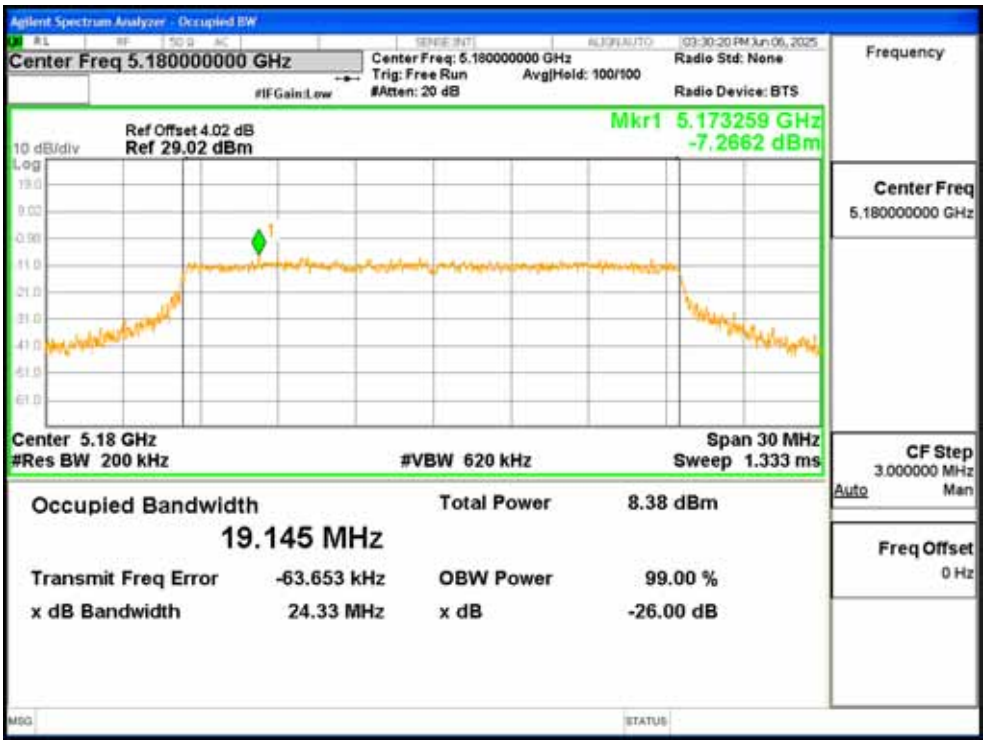
OBW NVNT ac40 5230MHz Ant1

OBW NVNT ax20 5180MHz Ant1



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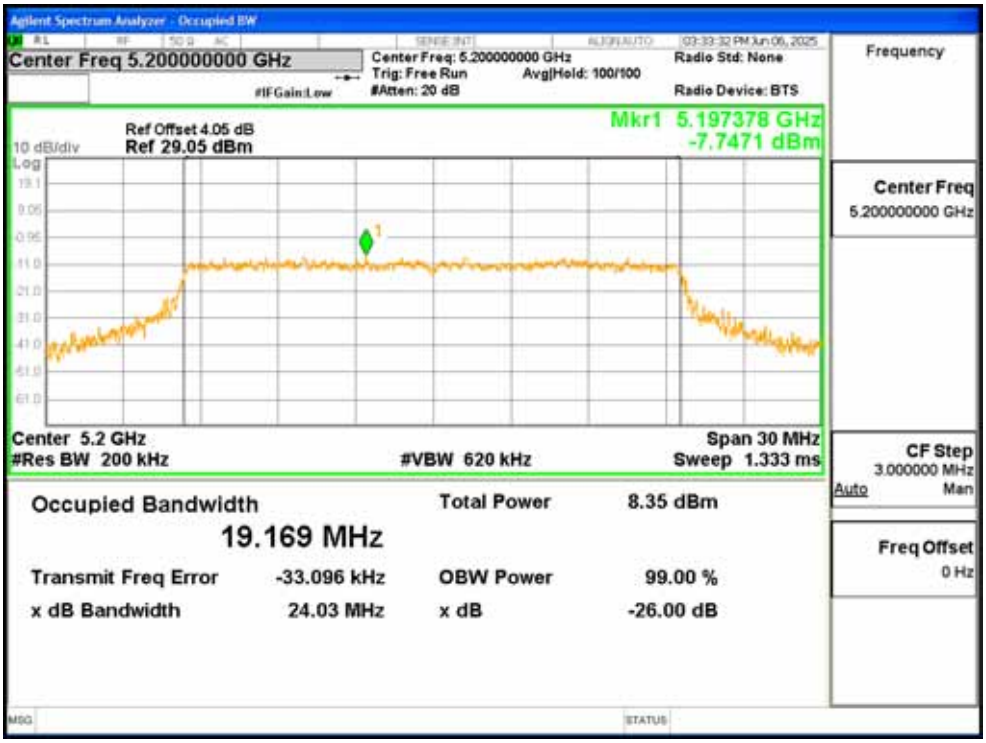
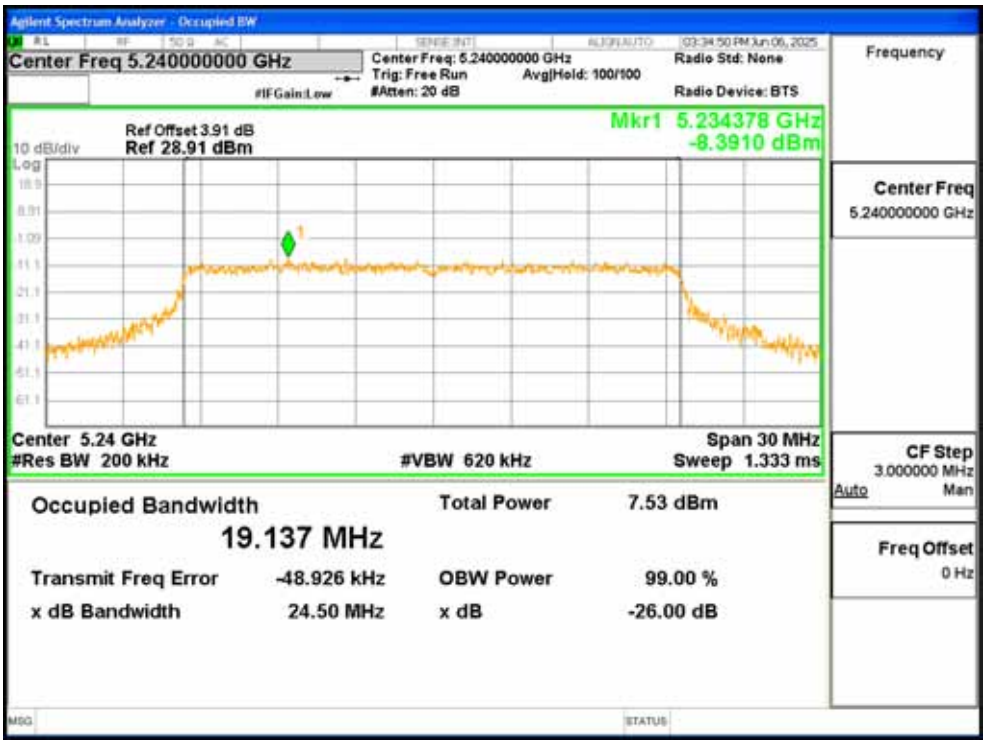
OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1



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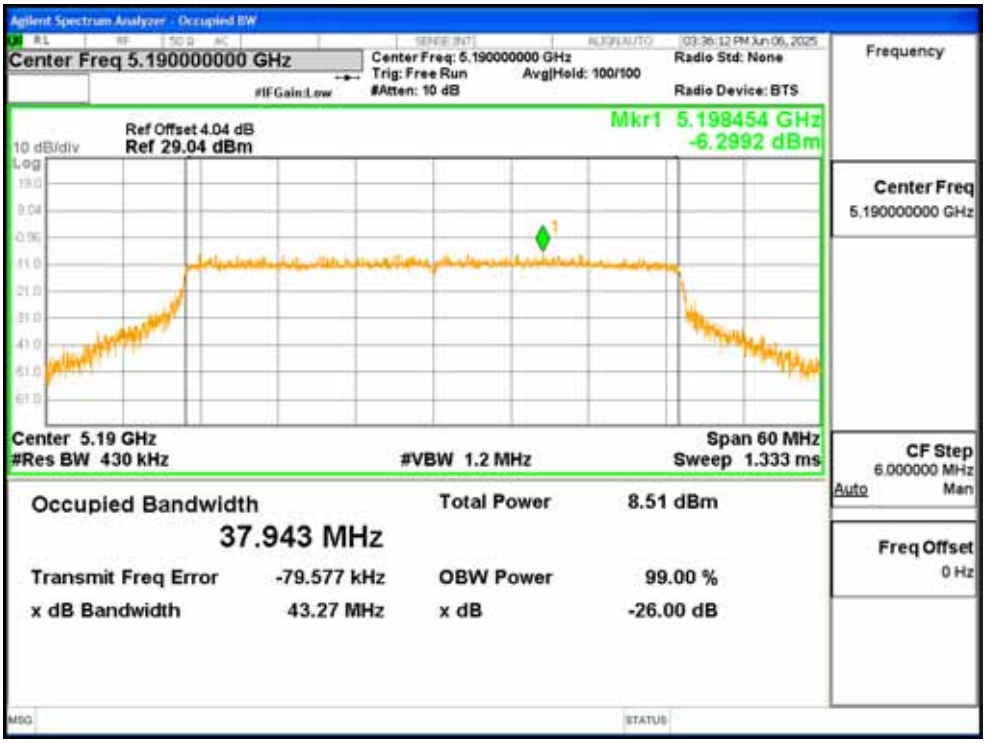
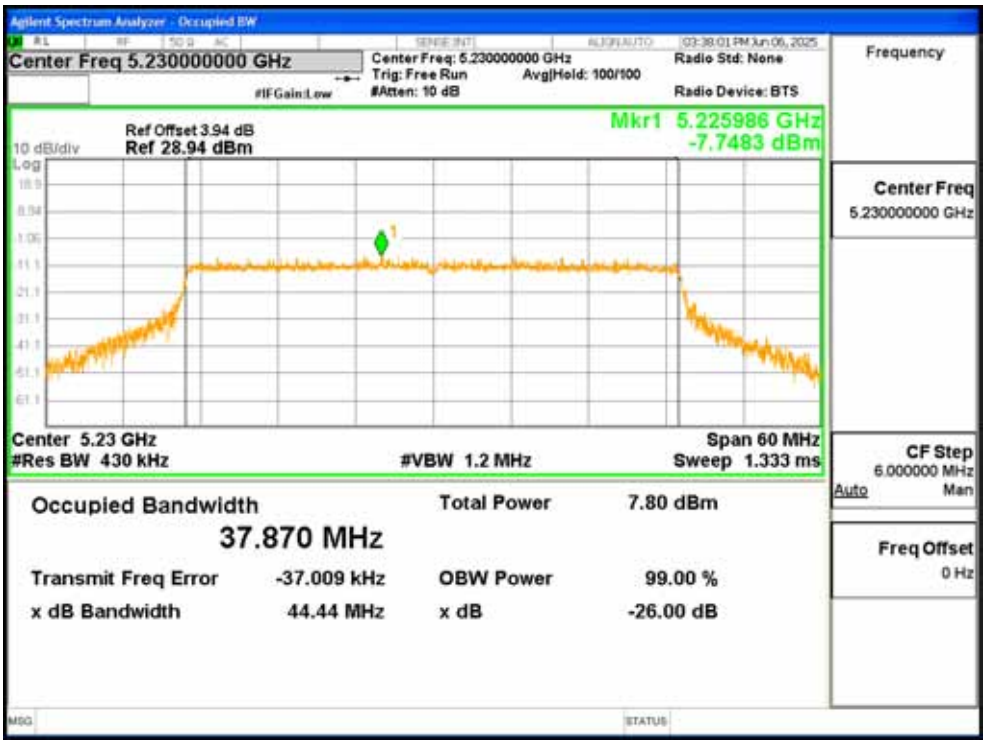
OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1



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-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.374	0.5	Pass
		5785		16.321	0.5	Pass
		5825		16.33	0.5	Pass
	n20	5745		17.605	0.5	Pass
		5785		17.604	0.5	Pass
		5825		17.565	0.5	Pass
	n40	5755		35.744	0.5	Pass
		5795		36.321	0.5	Pass
	ac20	5745		17.544	0.5	Pass
		5785		17.575	0.5	Pass
		5825		17.589	0.5	Pass
	ac40	5755		36.332	0.5	Pass
		5795		36.33	0.5	Pass
	ax20	5745		18.843	0.5	Pass
		5785		18.901	0.5	Pass
		5825		19.066	0.5	Pass
	ax40	5755		37.422	0.5	Pass
		5795		37.837	0.5	Pass

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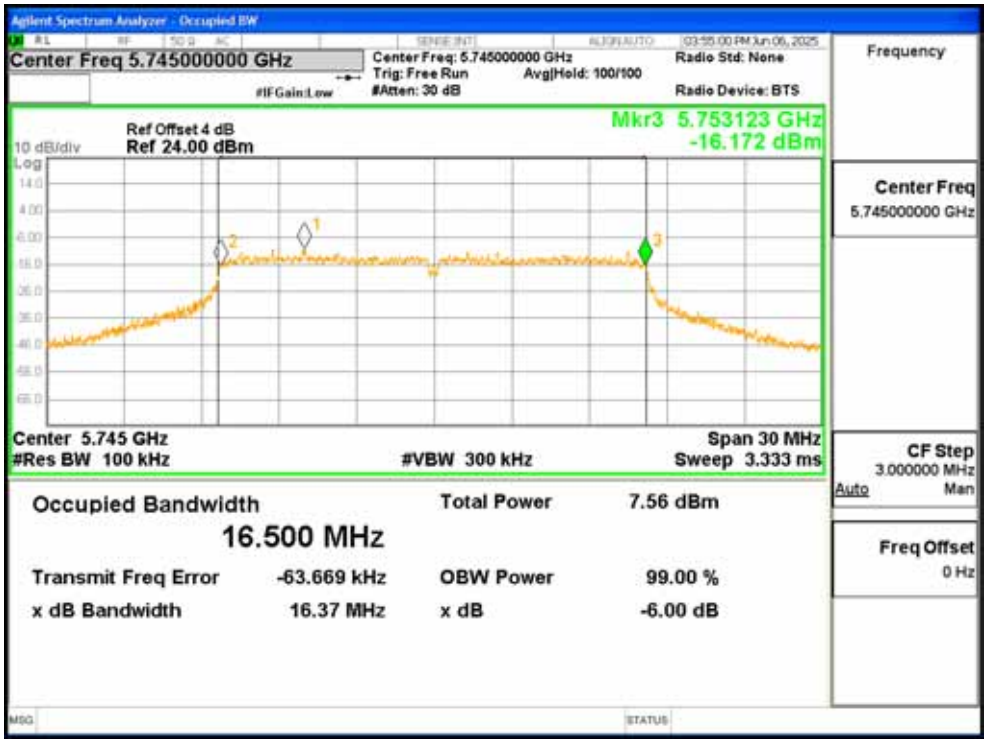
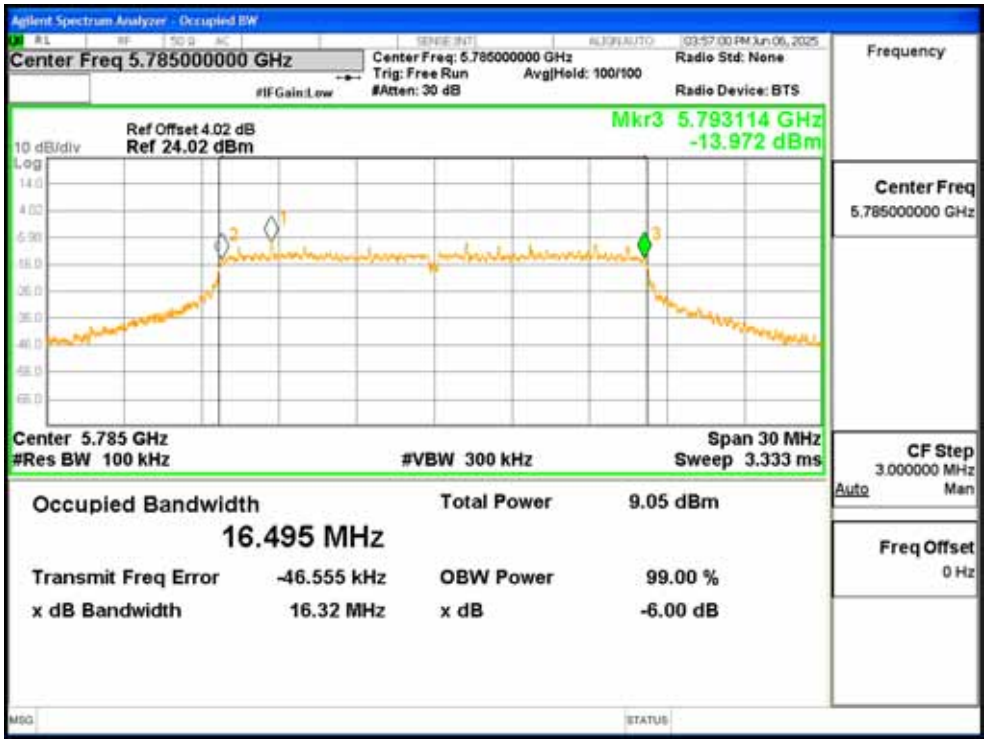
Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1



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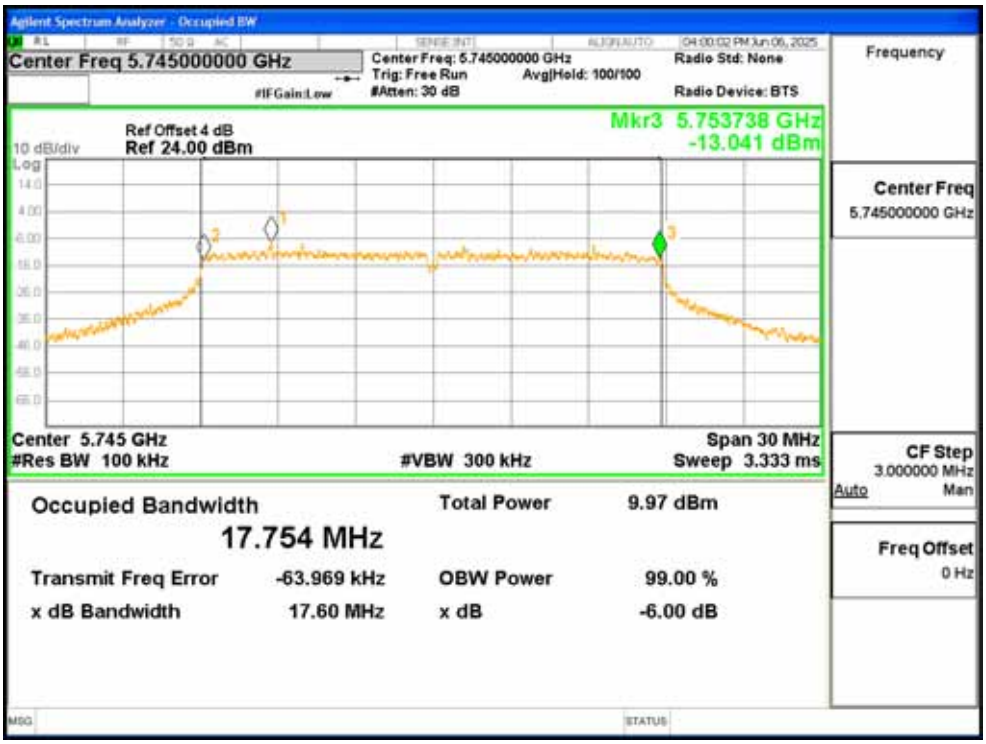
-6dB Bandwidth NVNT a 5825MHz Ant1

-6dB Bandwidth NVNT n20 5745MHz Ant1



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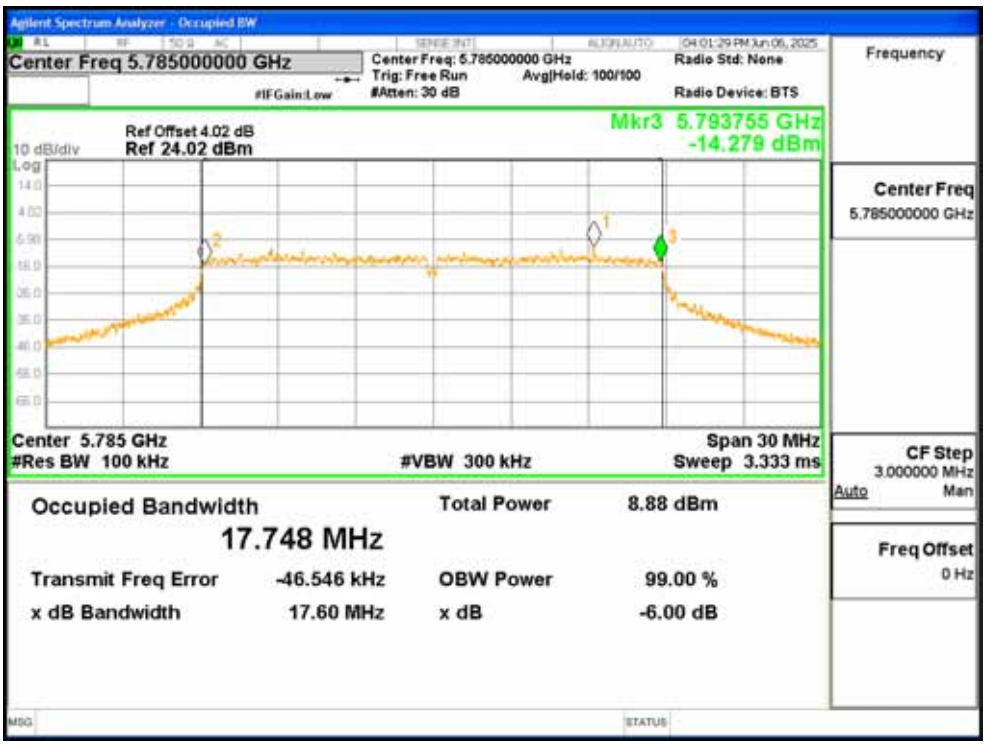
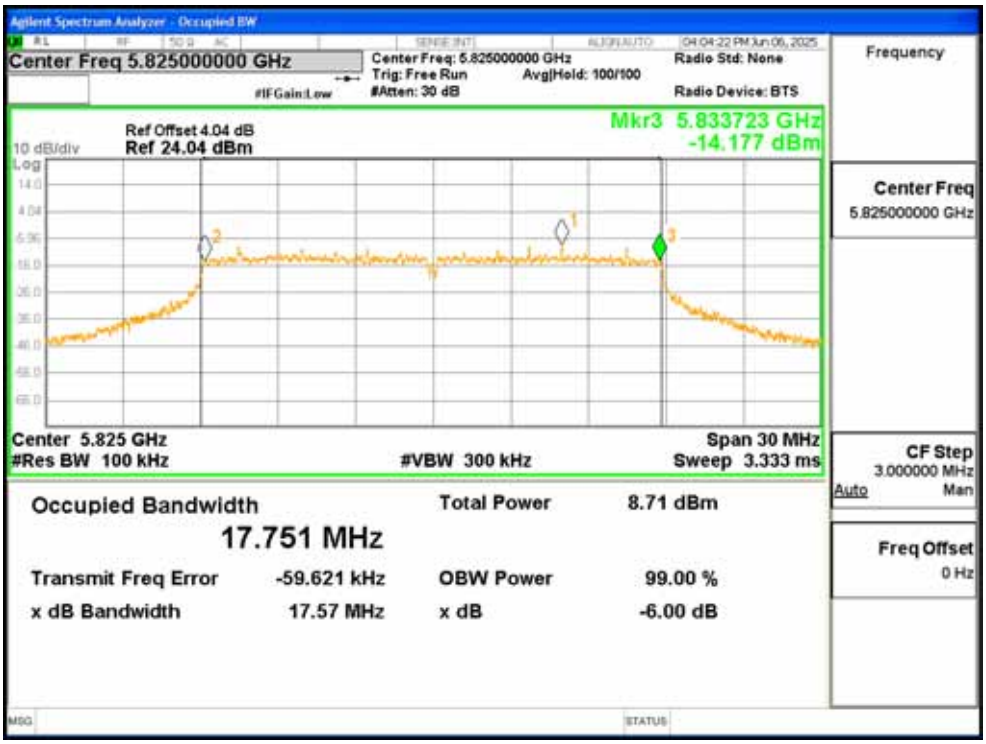
-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



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-6dB Bandwidth NVNT n40 5755MHz Ant1

-6dB Bandwidth NVNT n40 5795MHz Ant1

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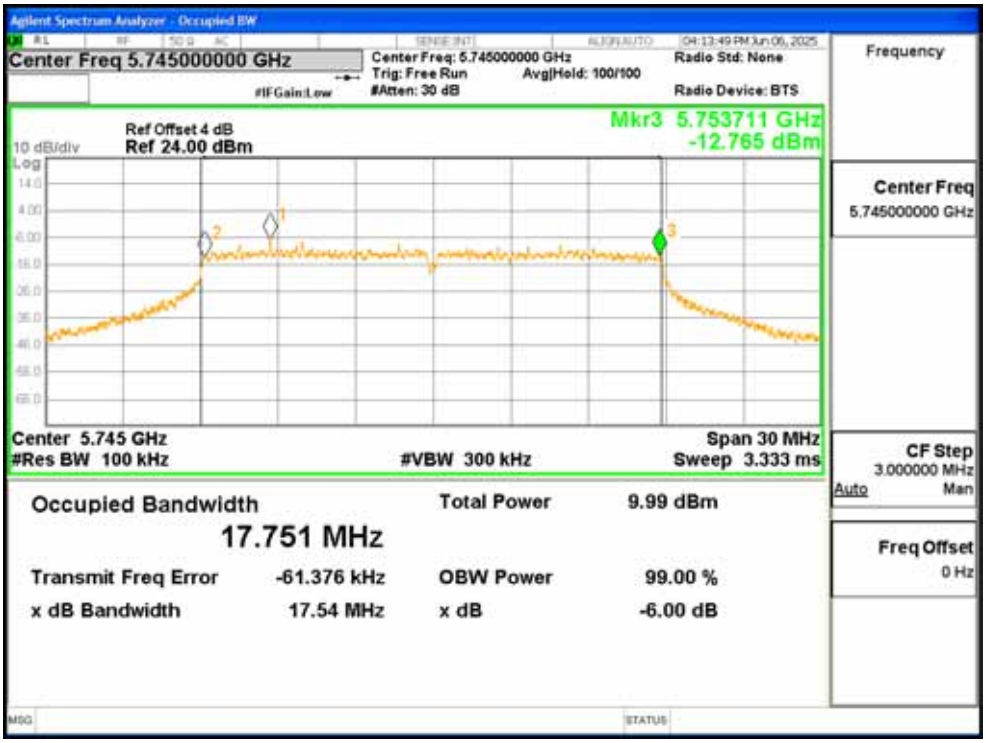
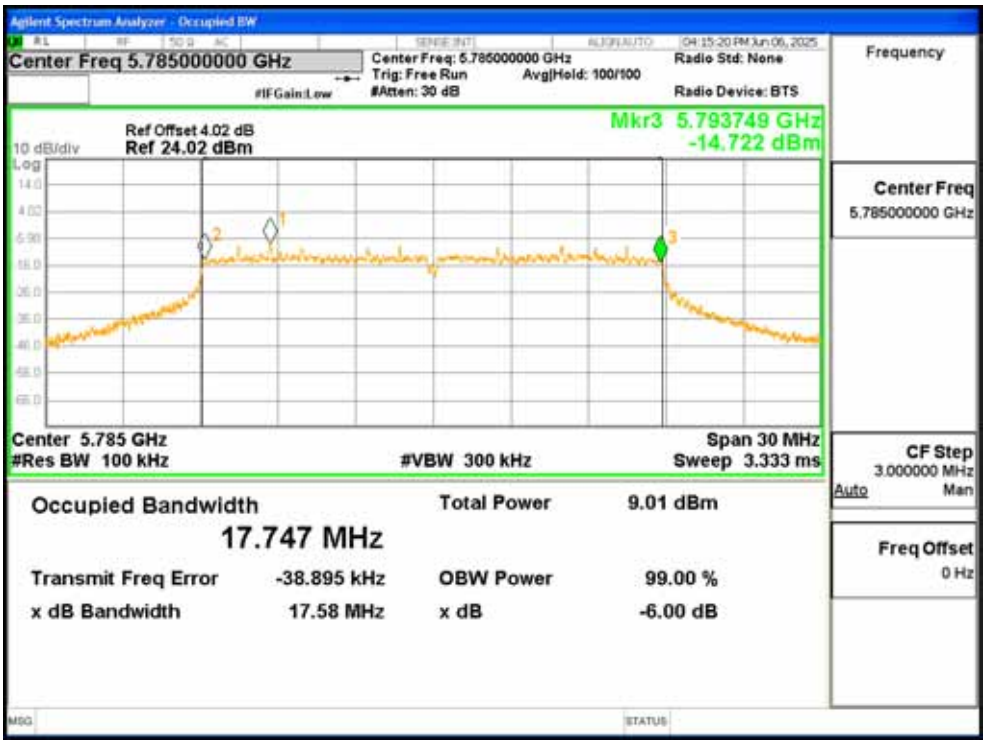
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1



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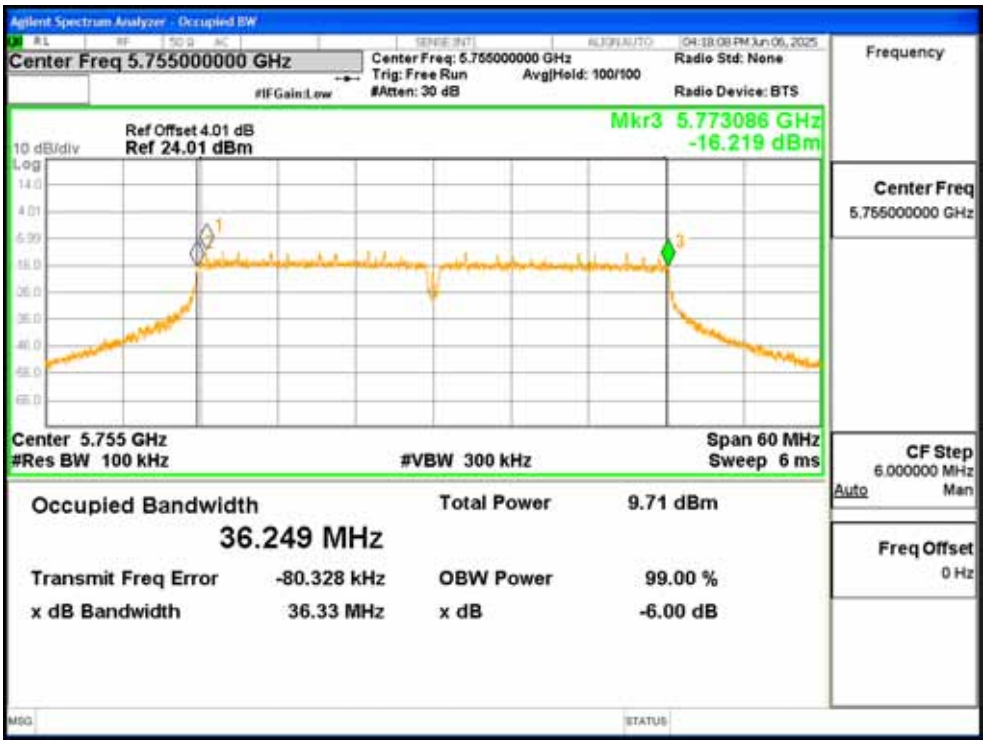
-6dB Bandwidth NVNT ac20 5825MHz Ant1

-6dB Bandwidth NVNT ac40 5755MHz Ant1



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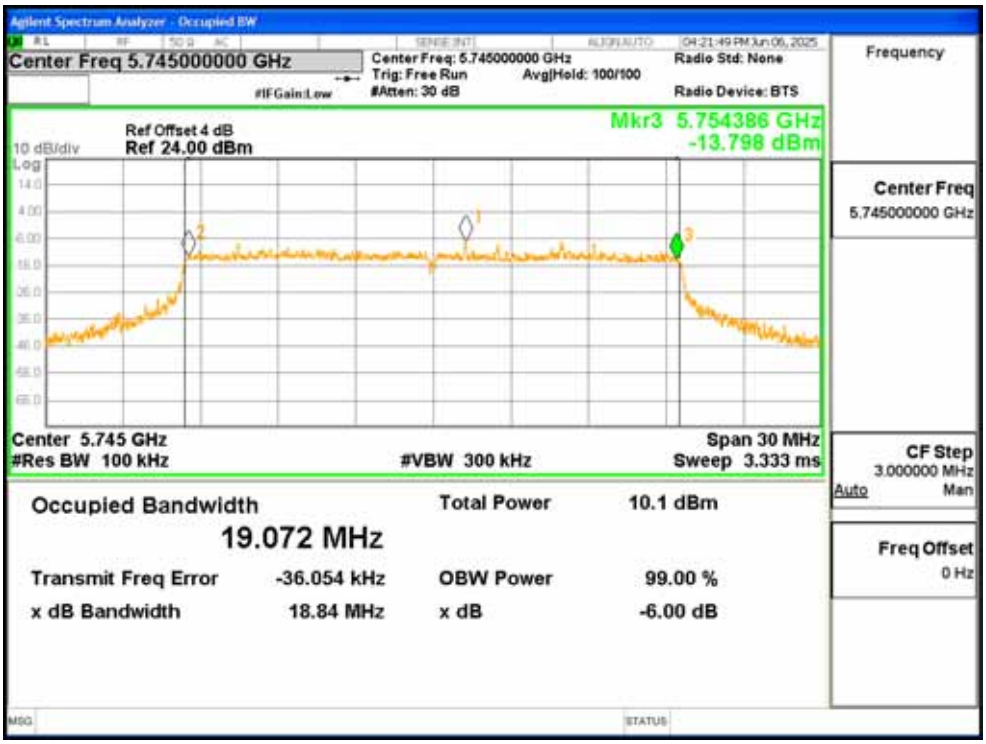
-6dB Bandwidth NVNT ac40 5795MHz Ant1

-6dB Bandwidth NVNT ax20 5745MHz Ant1



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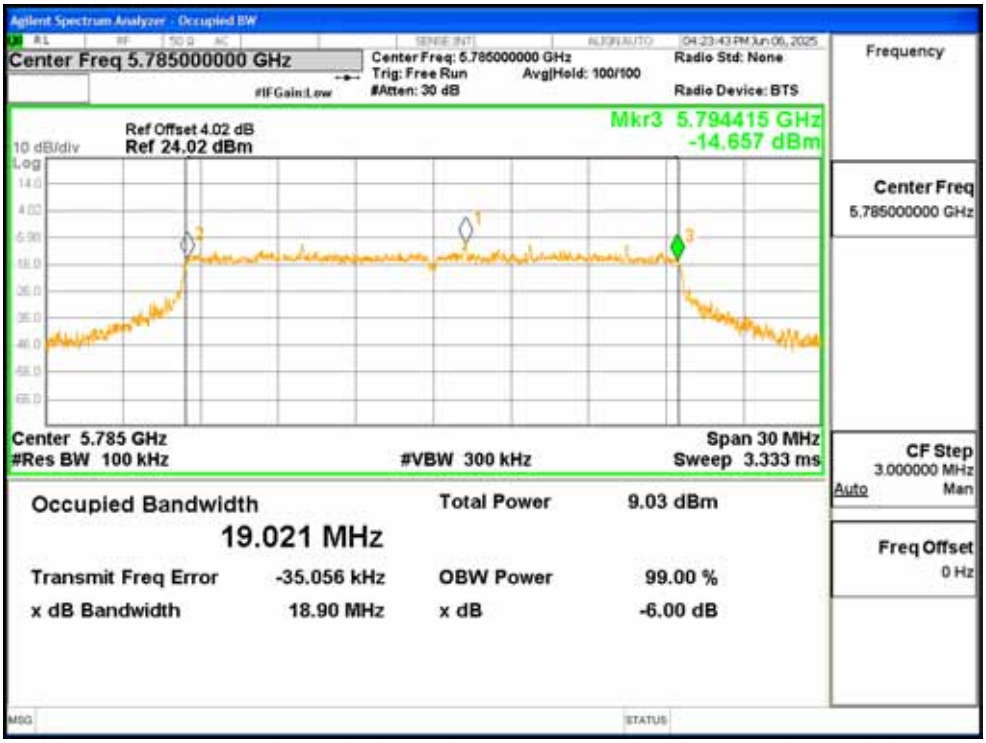
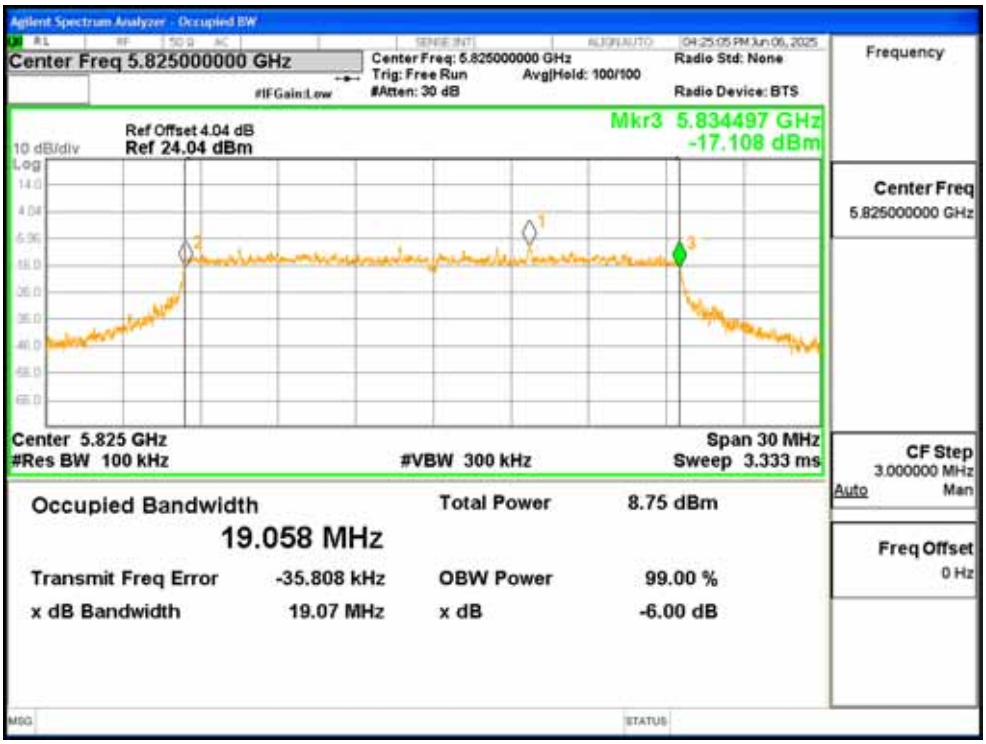
-6dB Bandwidth NVNT ax20 5785MHz Ant1



-6dB Bandwidth NVNT ax20 5825MHz Ant1



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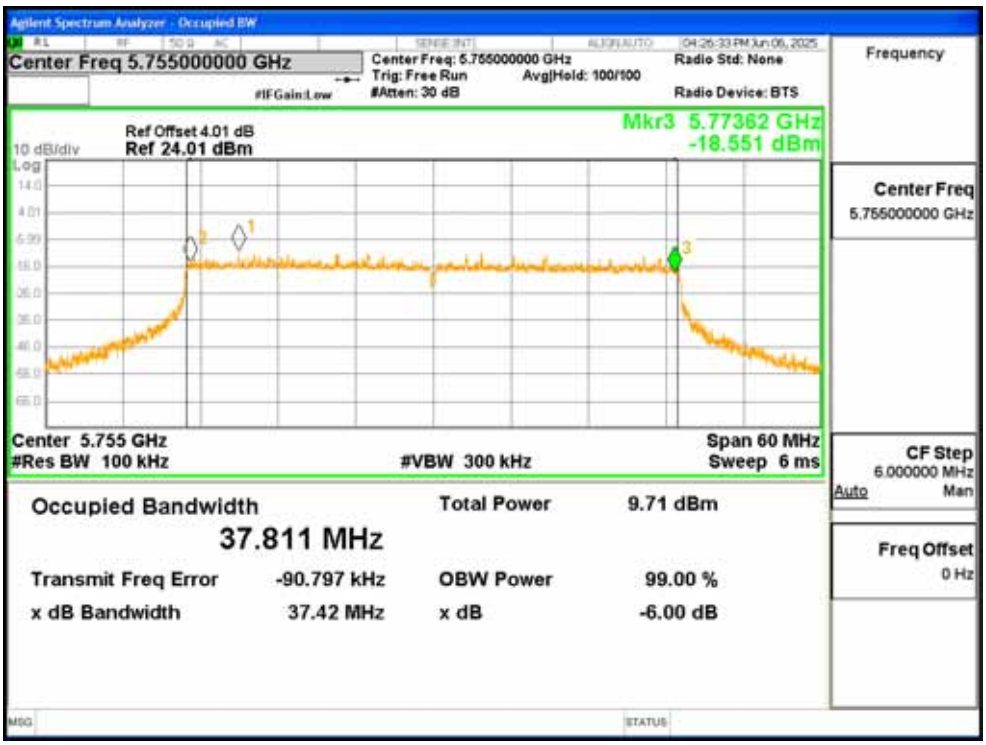
-6dB Bandwidth NVNT ax40 5755MHz Ant1



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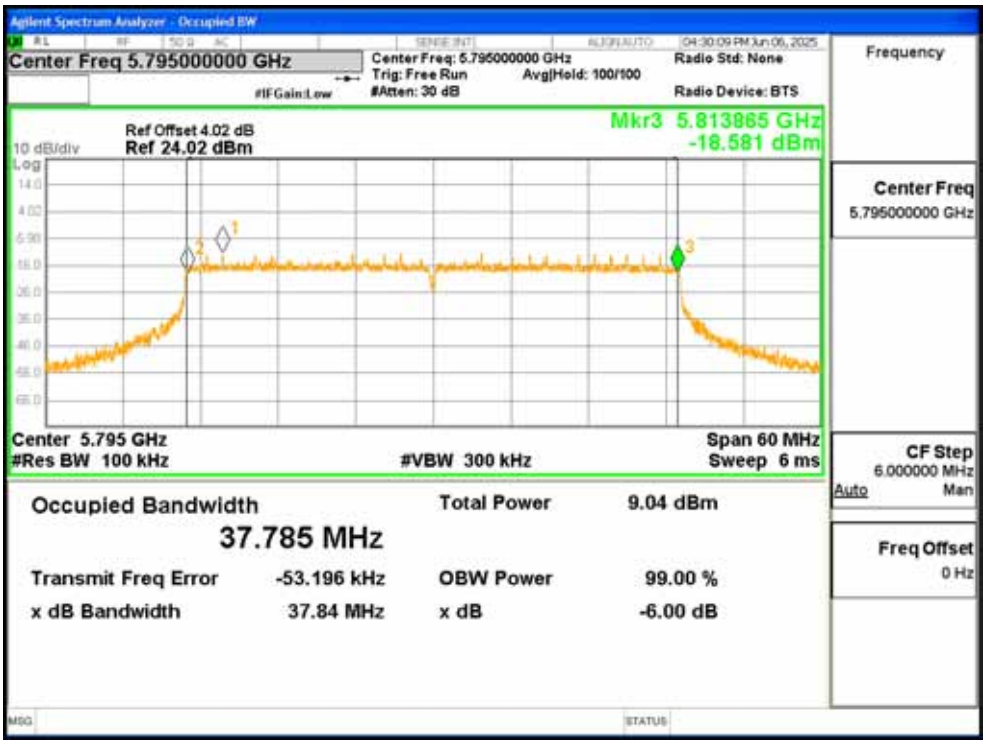

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Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.705
		5785		16.696
		5825		16.724
	n20	5745		17.921
		5785		17.904
		5825		17.936
	n40	5755		36.564
		5795		36.572
	ac20	5745		17.947
		5785		17.94
		5825		17.938
	ac40	5755		36.596
		5795		36.6
	ax20	5745		19.138
		5785		19.104
		5825		19.141
	ax40	5755		37.945
		5795		37.965

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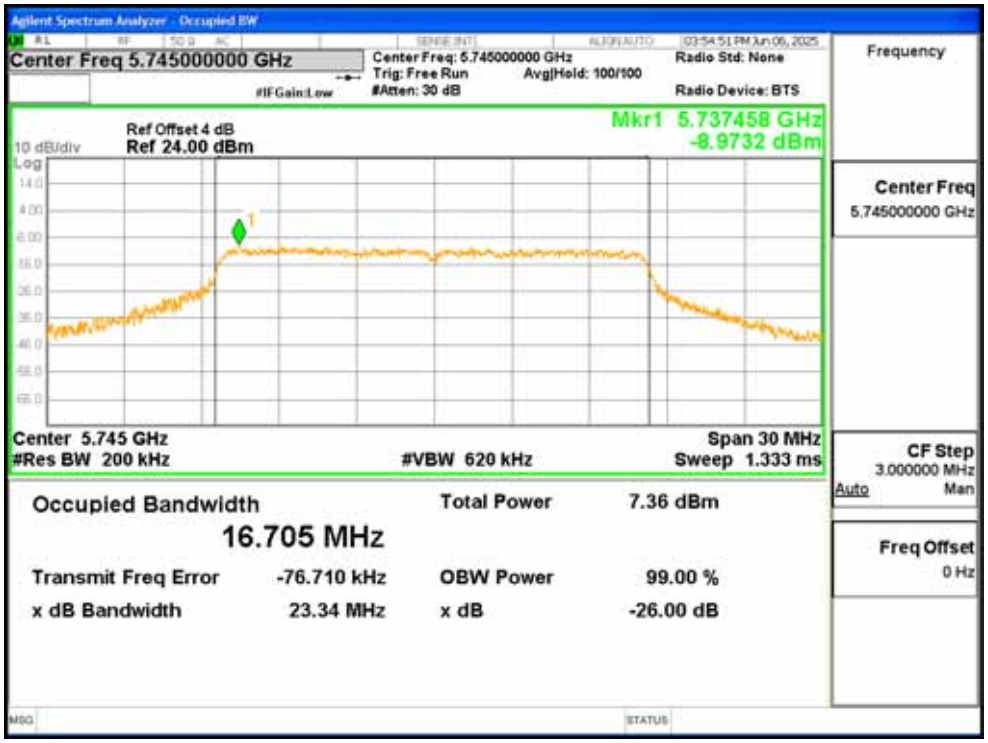
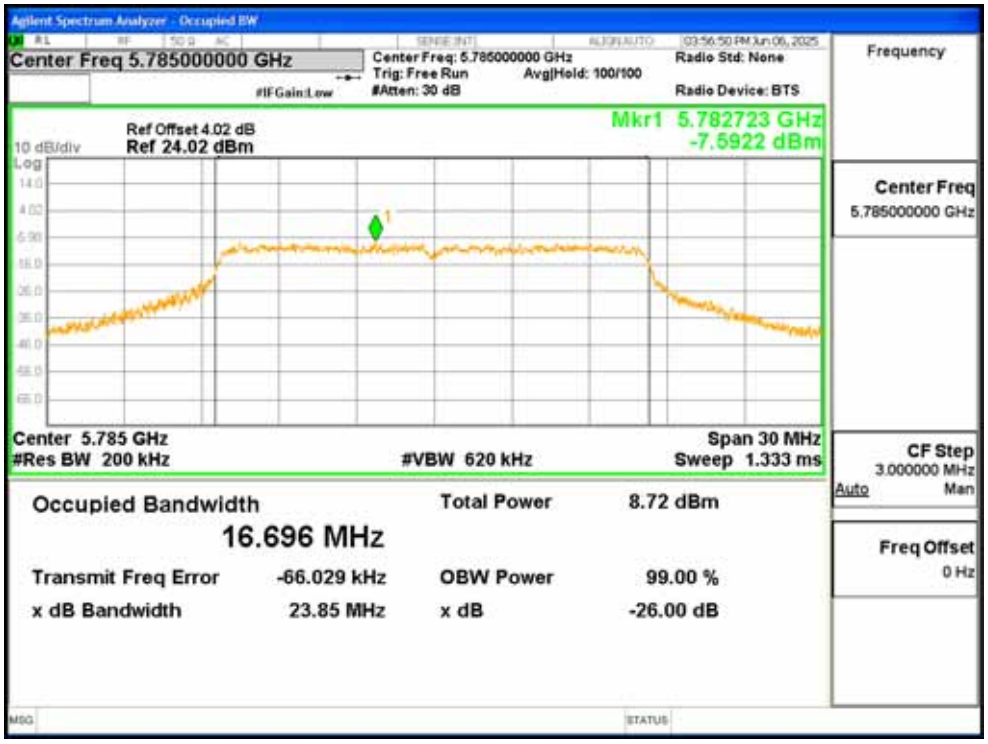
Test Graphs

OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1



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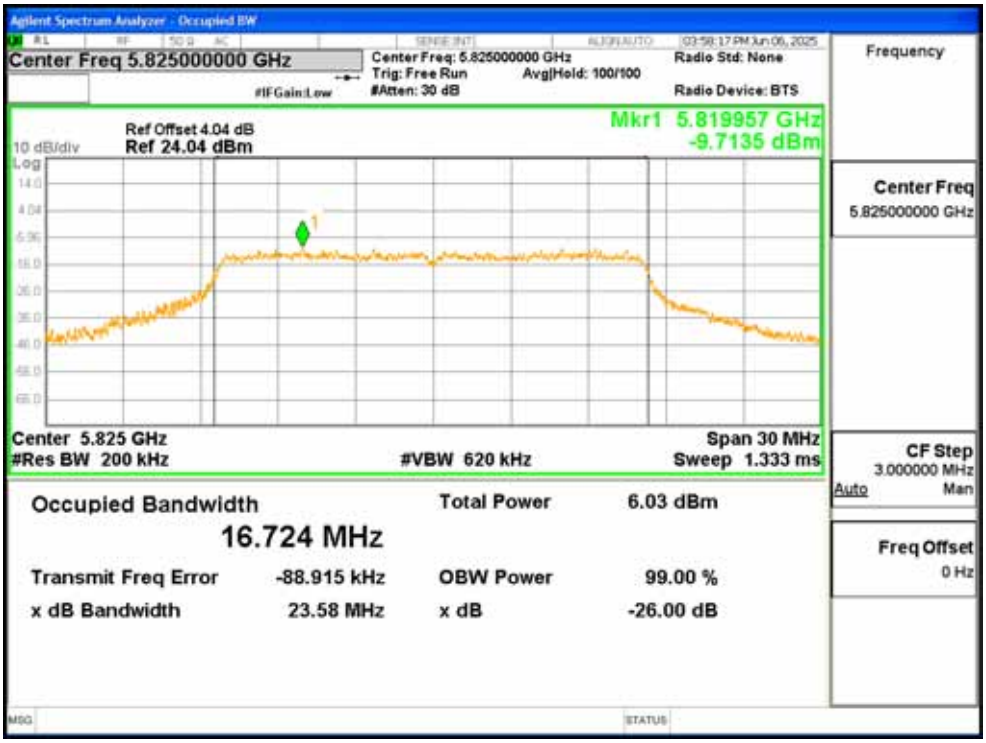
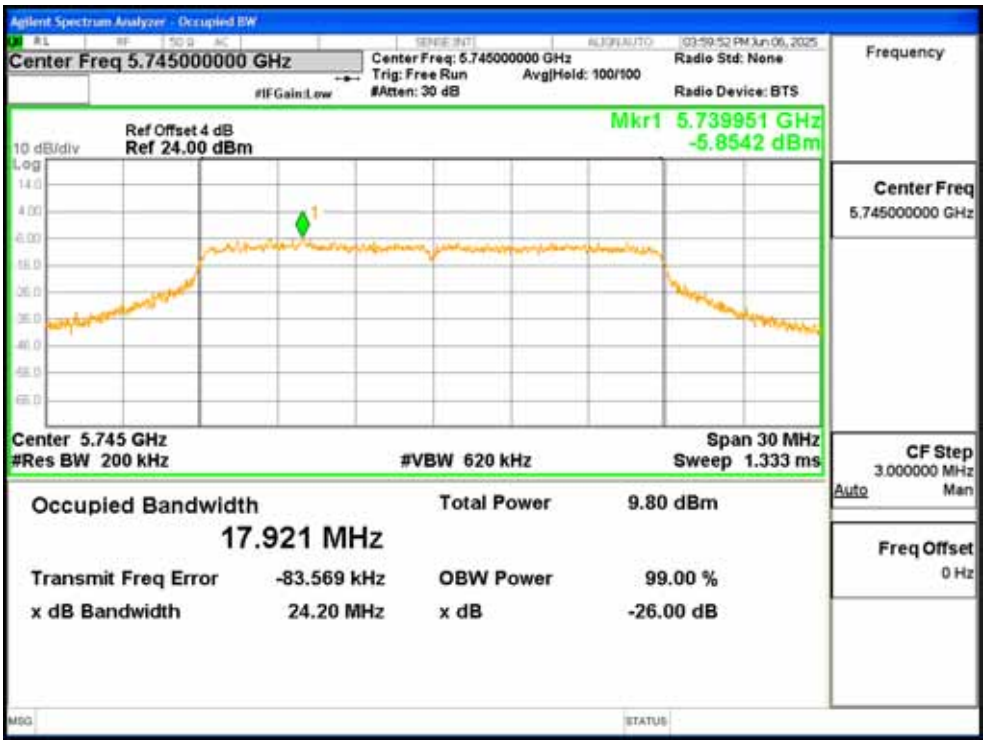
OBW NVNT a 5825MHz Ant1



OBW NVNT n20 5745MHz Ant1



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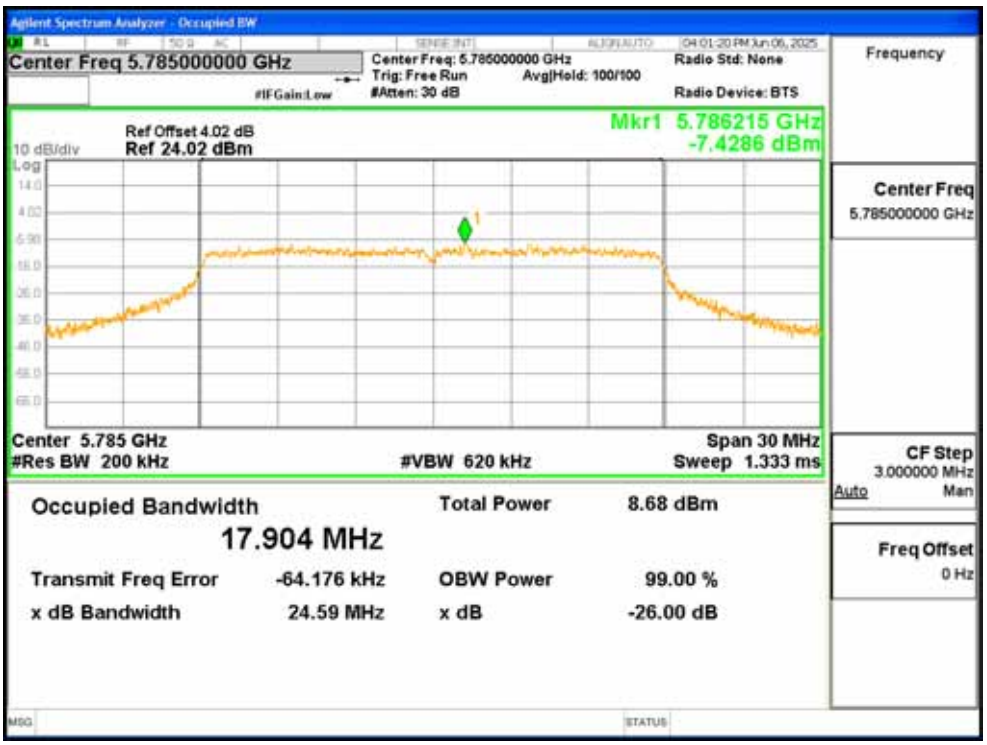
OBW NVNT n20 5785MHz Ant1



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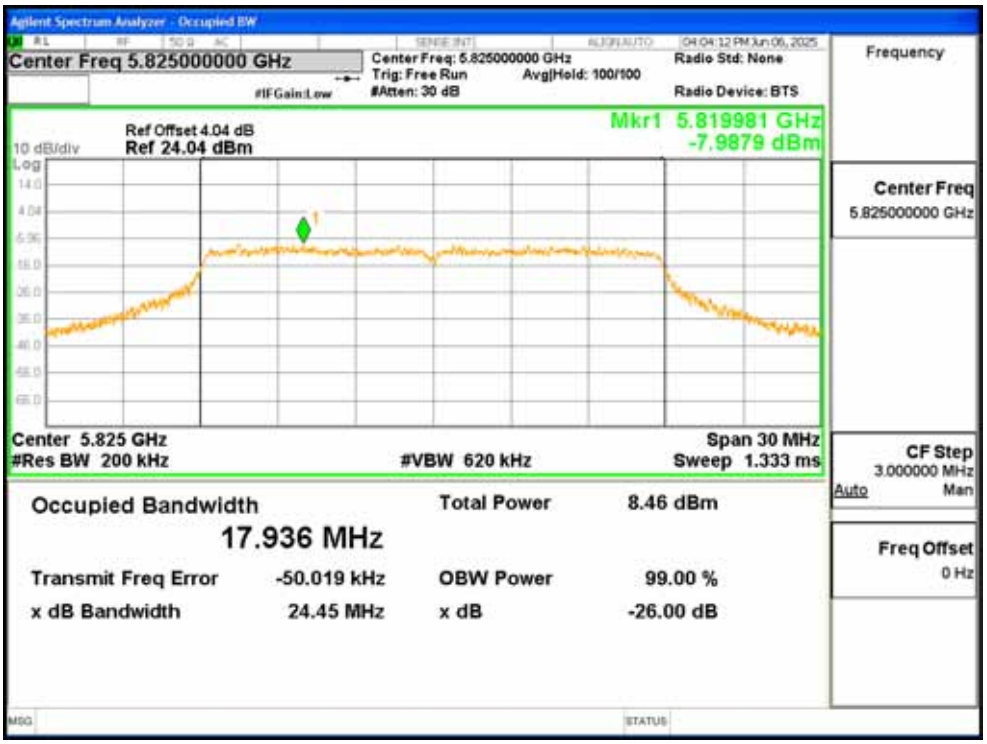

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OBW NVNT n40 5755MHz Ant1

OBW NVNT n40 5795MHz Ant1

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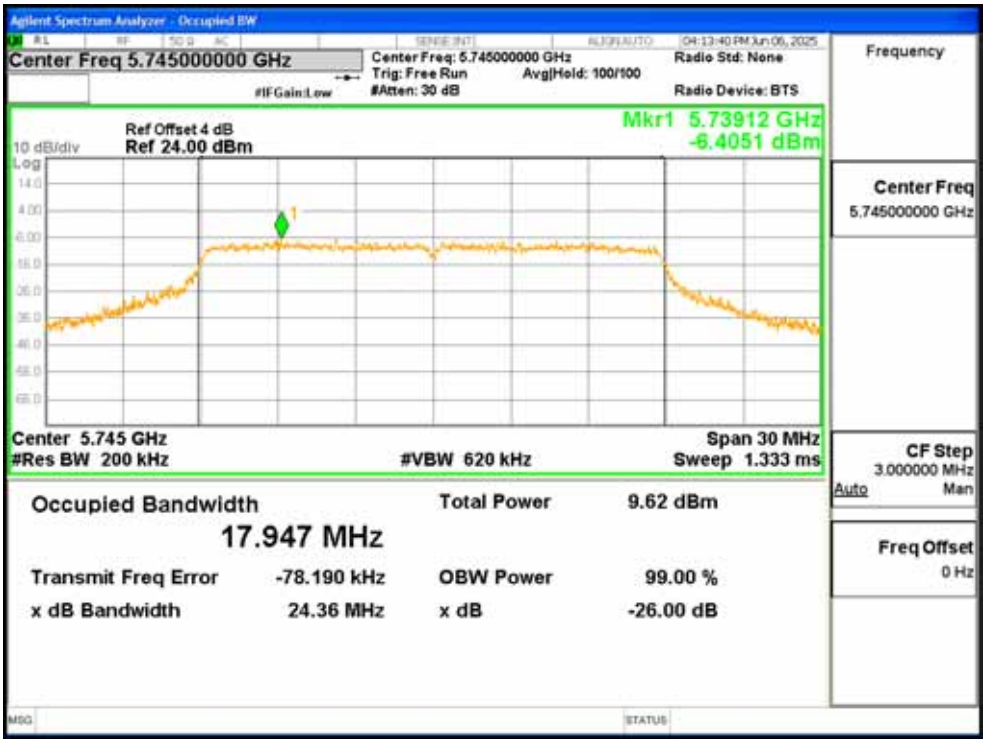
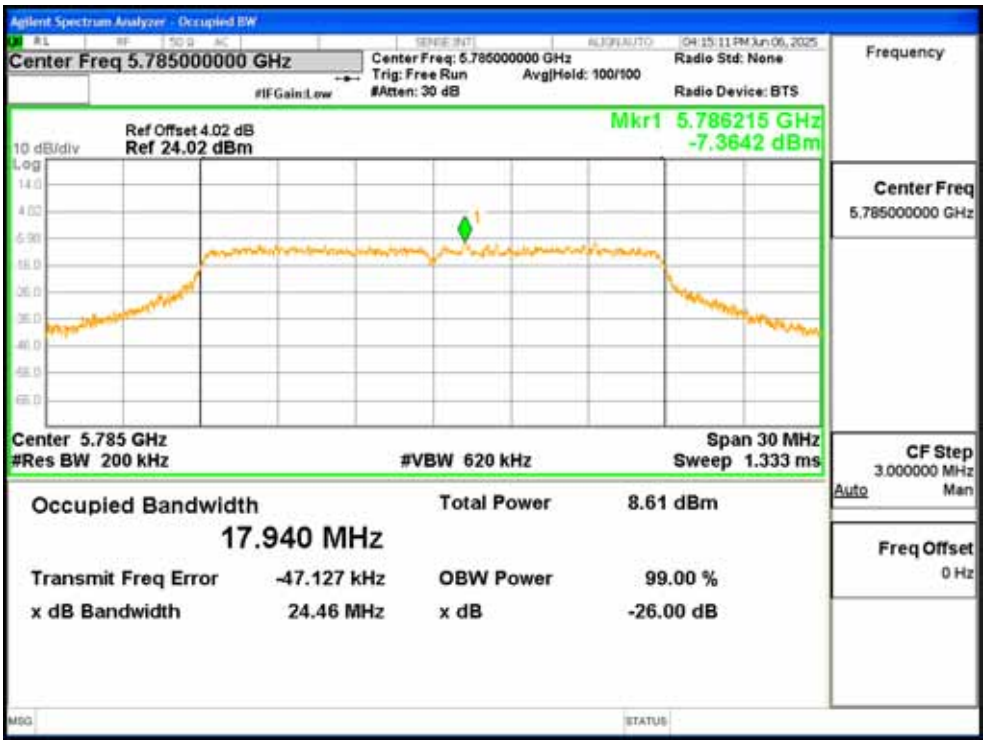
OBW NVNT ac20 5745MHz Ant1



OBW NVNT ac20 5785MHz Ant1



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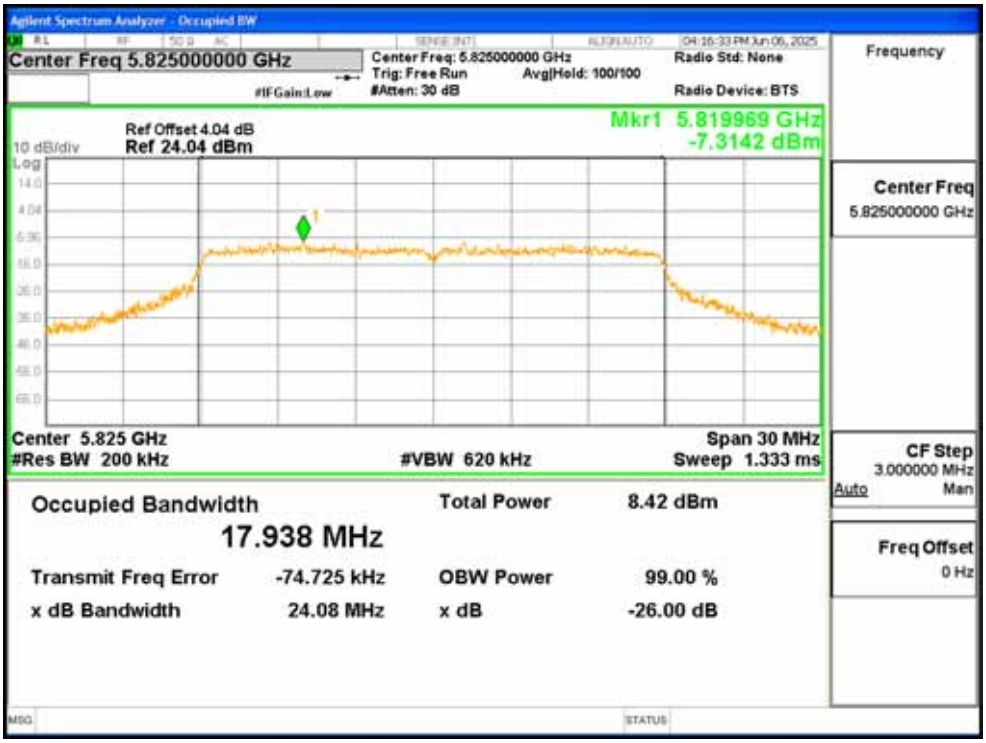
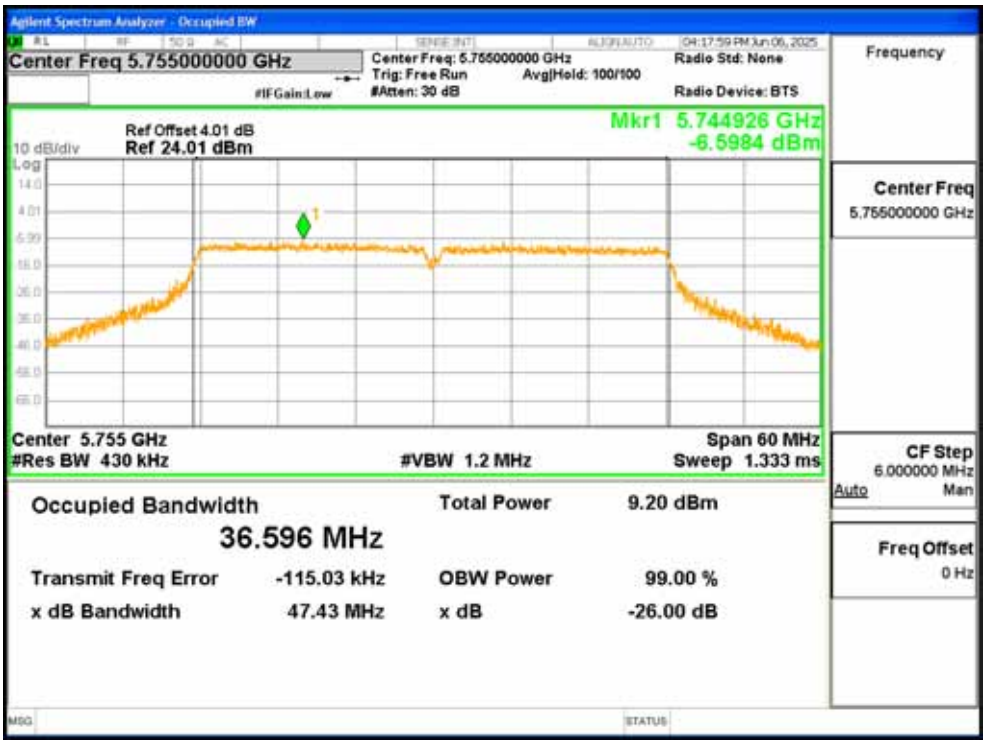
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



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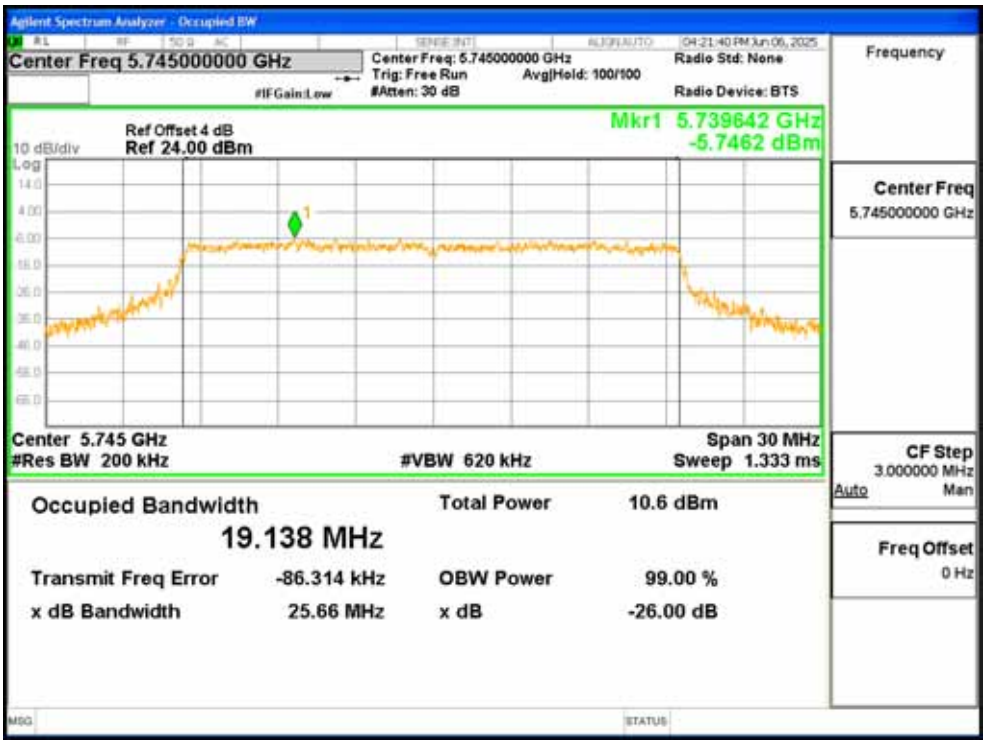
OBW NVNT ac40 5795MHz Ant1

OBW NVNT ax20 5745MHz Ant1



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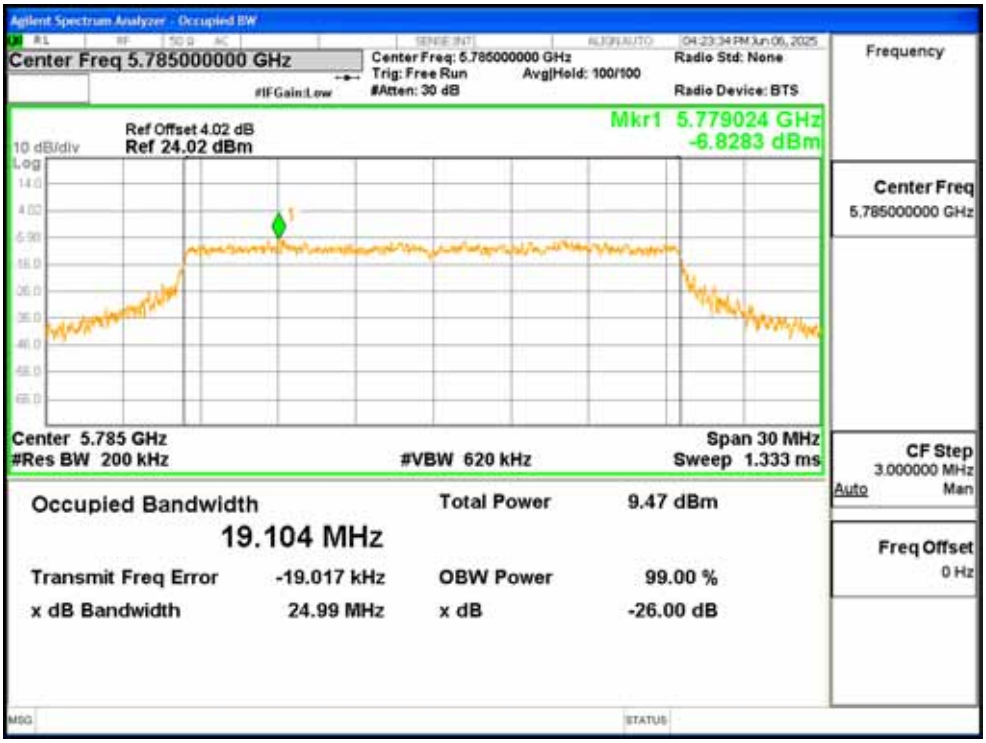
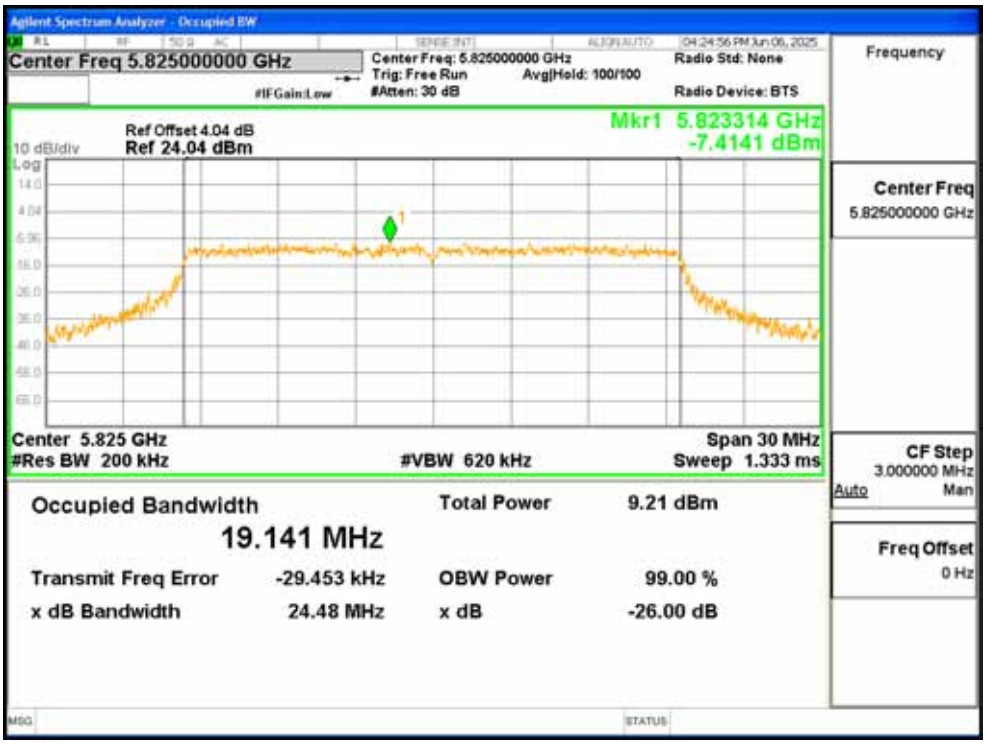
OBW NVNT ax20 5785MHz Ant1



OBW NVNT ax20 5825MHz Ant1



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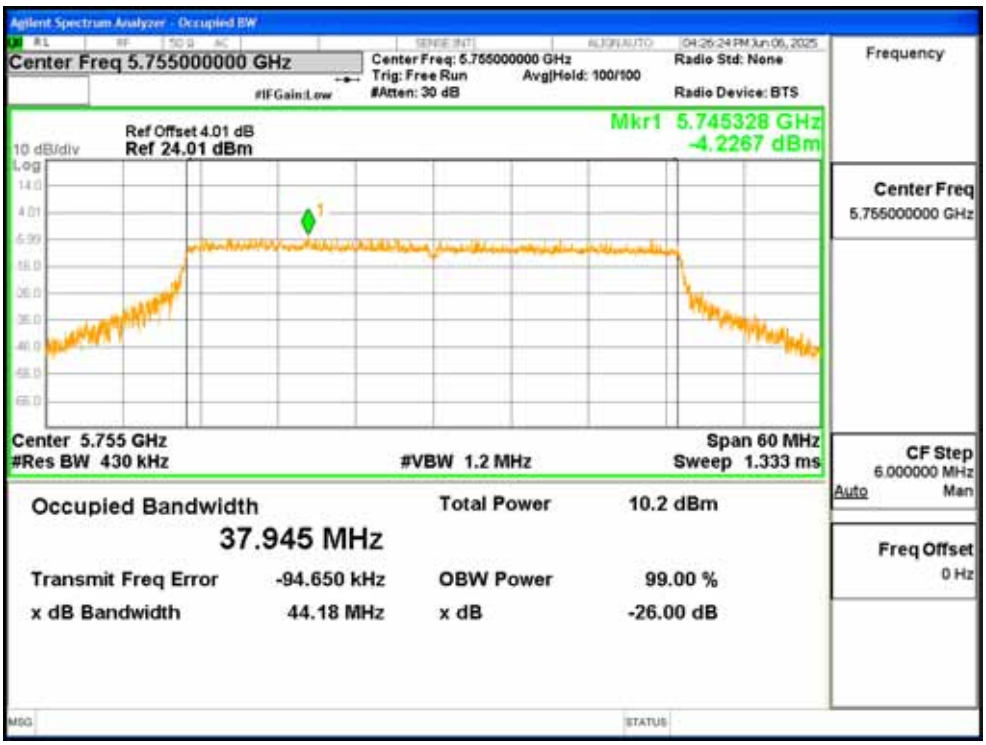
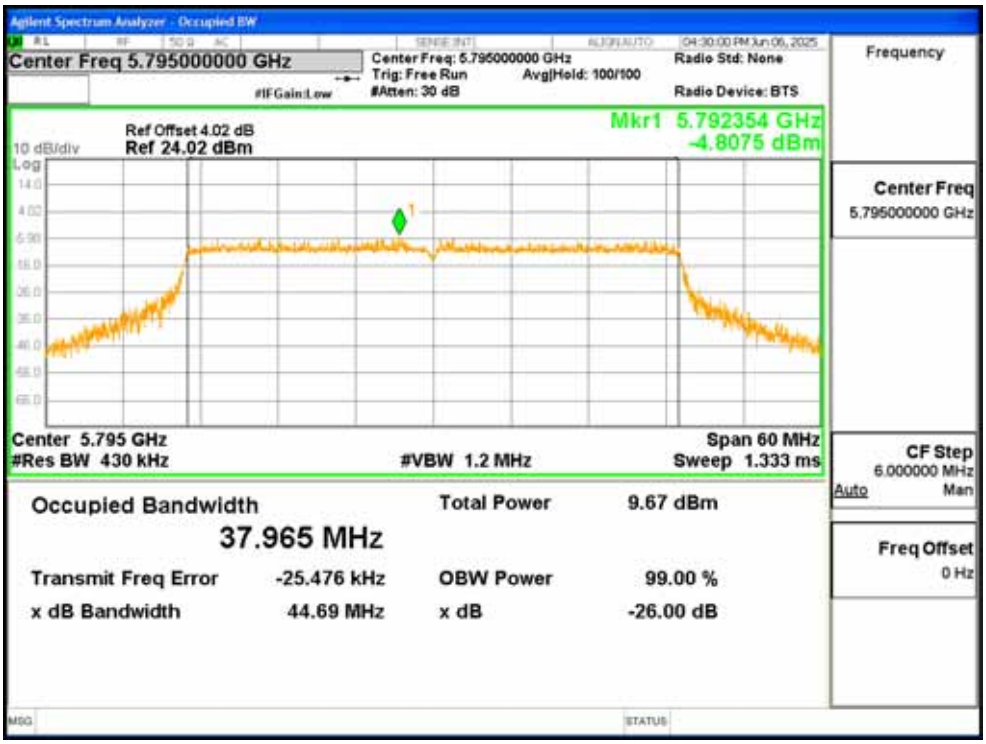
OBW NVNT ax40 5755MHz Ant1



OBW NVNT ax40 5795MHz Ant1



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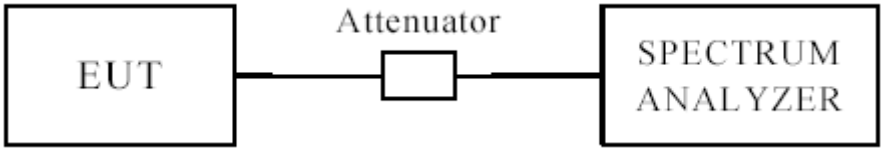
8.0 Peak Transmit Power Measurement

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) ≦(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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8.4Test Results

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1	0	1	24	Pass
		5200		1.66	0	1.66	24	Pass
		5240		1.12	0	1.12	24	Pass
	n20	5180		0.67	0	0.67	24	Pass
		5200		-2.41	0	-2.41	24	Pass
		5240		1.13	0	1.13	24	Pass
	n40	5190		0.88	0	0.88	24	Pass
		5230		1.63	0	1.63	24	Pass
	ac20	5180		0.67	0	0.67	24	Pass
		5200		1.57	0	1.57	24	Pass
		5240		1.11	0	1.11	24	Pass
	ac40	5190		0.89	0	0.89	24	Pass
		5230		1.62	0	1.62	24	Pass
	ax20	5180		0.73	0	0.73	24	Pass
		5200		1.62	0	1.62	24	Pass
		5240		1.14	0	1.14	24	Pass
	ax40	5190		0.98	0	0.98	24	Pass
		5230		1.7	0	1.7	24	Pass

Note: 1. At finial test to get the worst-case emission at 6Mbps 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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Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	1.67	0.14	1.67	30	Pass
		5785		2.91	0.14	2.91	30	Pass
		5825		0.28	0.33	0.28	30	Pass
	n20	5745		4.01	0.16	4.01	30	Pass
		5785		2.92	0.27	2.92	30	Pass
		5825		2.71	0.31	2.71	30	Pass
	n40	5755		3.14	2.06	3.14	30	Pass
		5795		2.36	8.65	2.36	30	Pass
	ac20	5745		4.05	0.36	4.05	30	Pass
		5785		2.92	0.37	2.92	30	Pass
		5825		2.64	0.23	2.64	30	Pass
	ac40	5755		2.97	0.58	2.97	30	Pass
		5795		2.57	8.77	2.57	30	Pass
	ax20	5745		3.98	0.5	3.98	30	Pass
		5785		2.85	1.04	2.85	30	Pass
		5825		2.5	0.47	2.5	30	Pass
	ax40	5755		2.71	0.89	2.71	30	Pass
		5795		2.46	0.29	2.46	30	Pass

Note: 1. At finial 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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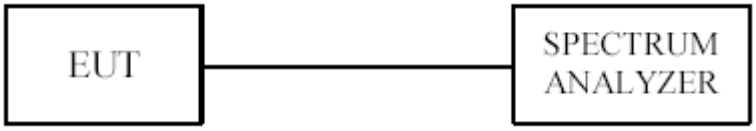
9. Power Spectral Density Measurement

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 = 1MHz or 500kHz
3. Set the VBW =3MHz or 2MHz
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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9.4Test Result

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-8.6	0	-8.6	11	Pass
		5200		-8.55	0	-8.55	11	Pass
		5240		-9.7	0	-9.7	11	Pass
	n20	5180		-8.83	0	-8.83	11	Pass
		5200		-12.98	0	-12.98	11	Pass
		5240		-9.85	0	-9.85	11	Pass
	n40	5190		-12.1	0	-12.1	11	Pass
		5230		-13.07	0	-13.07	11	Pass
	ac20	5180		-9.03	0	-9.03	11	Pass
		5200		-8.92	0	-8.92	11	Pass
		5240		-9.61	0	-9.61	11	Pass
	ac40	5190		-12.19	0	-12.19	11	Pass
		5230		-12.94	0	-12.94	11	Pass
	ax20	5180		-9.39	0	-9.39	11	Pass
		5200		-8.76	0	-8.76	11	Pass
		5240		-9.98	0	-9.98	11	Pass
	ax40	5190		-12.32	0	-12.32	11	Pass
		5230		-13.3	0	-13.3	11	Pass

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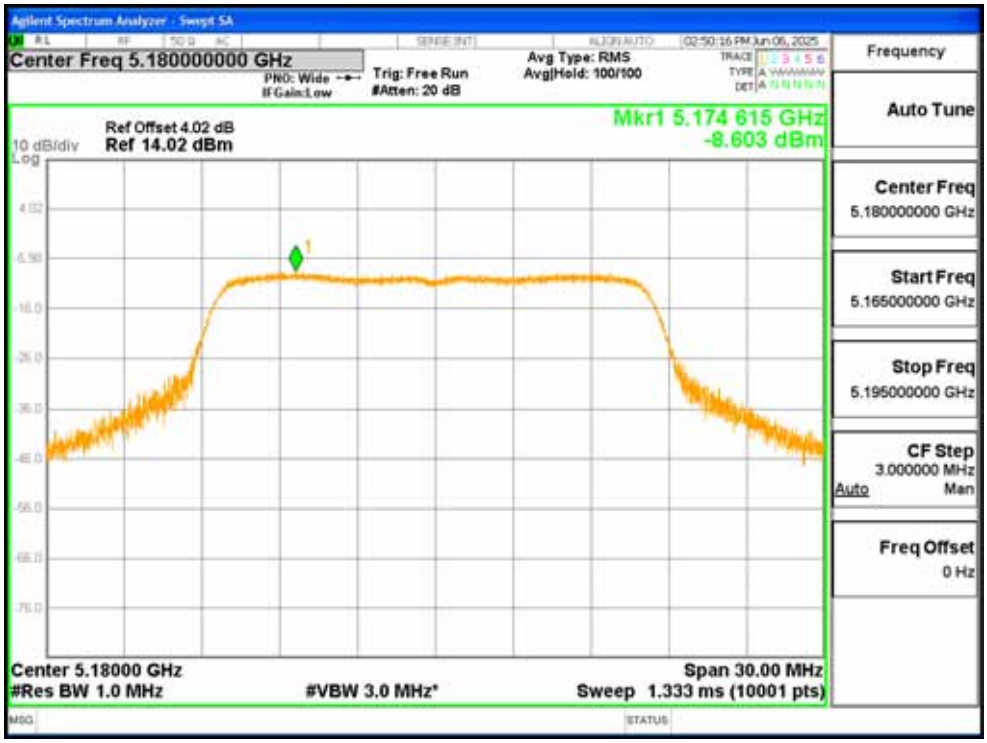
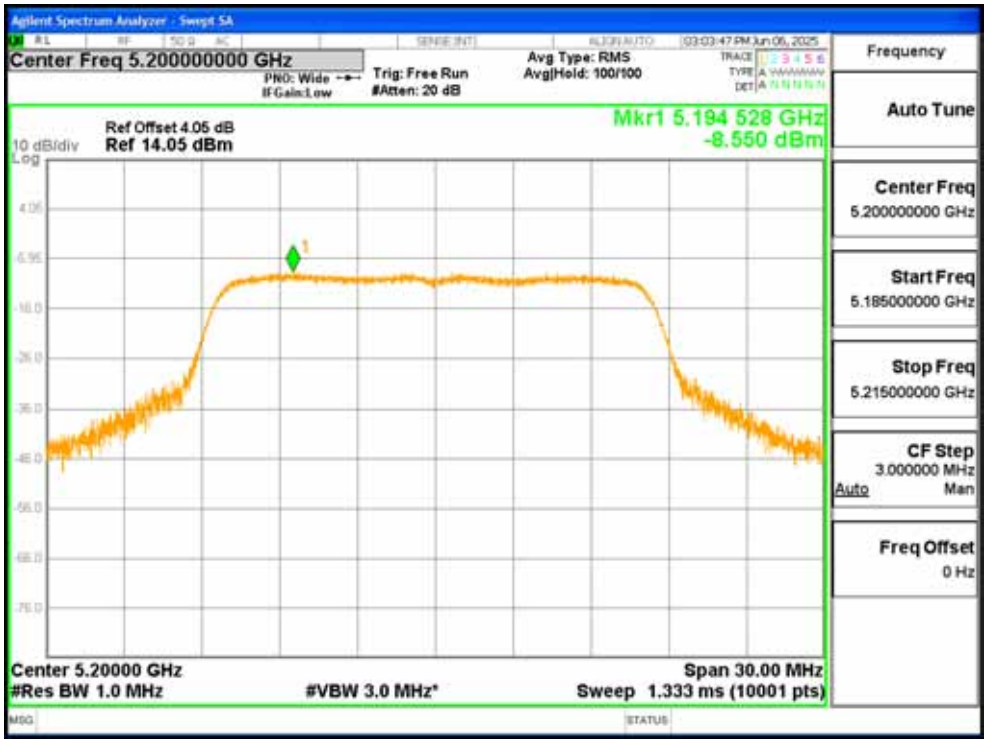
Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



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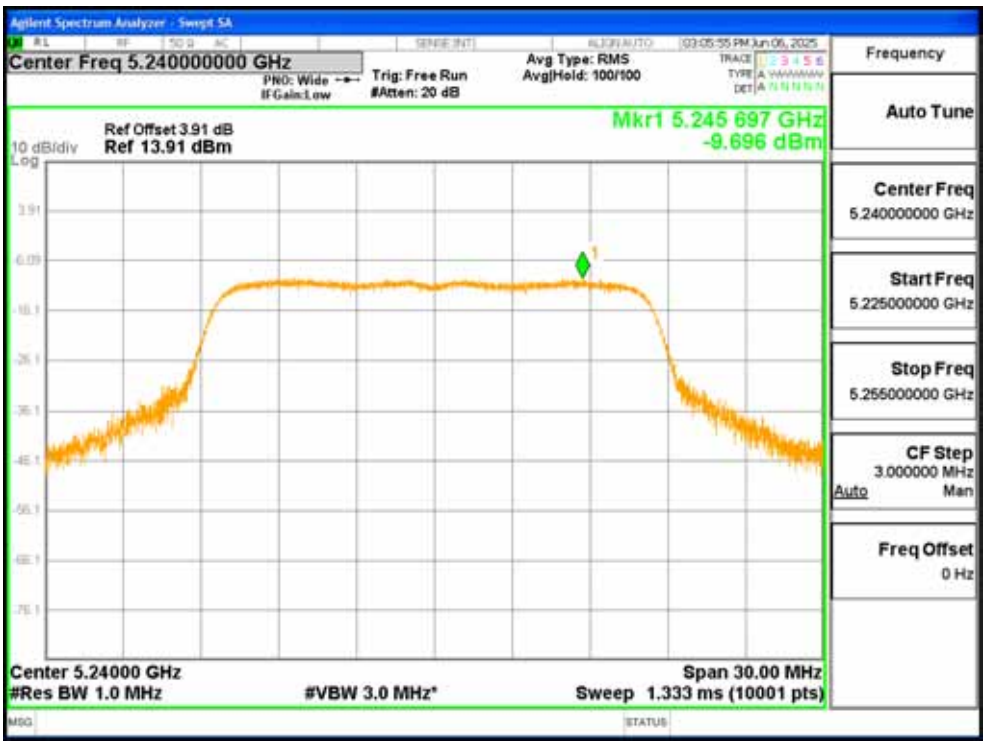
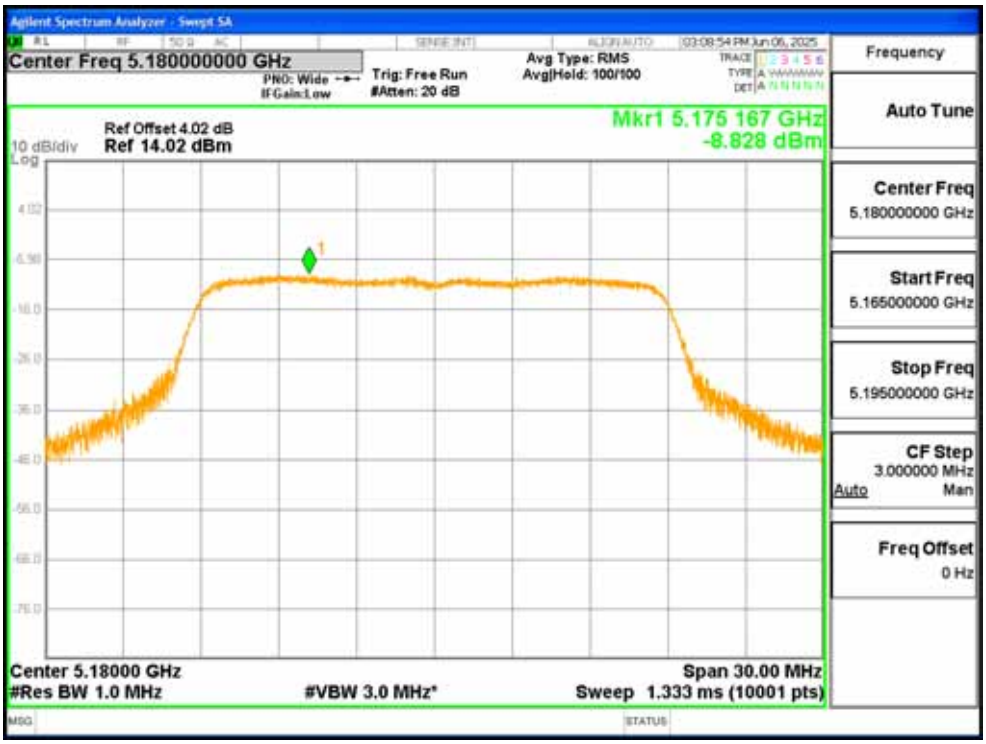
PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



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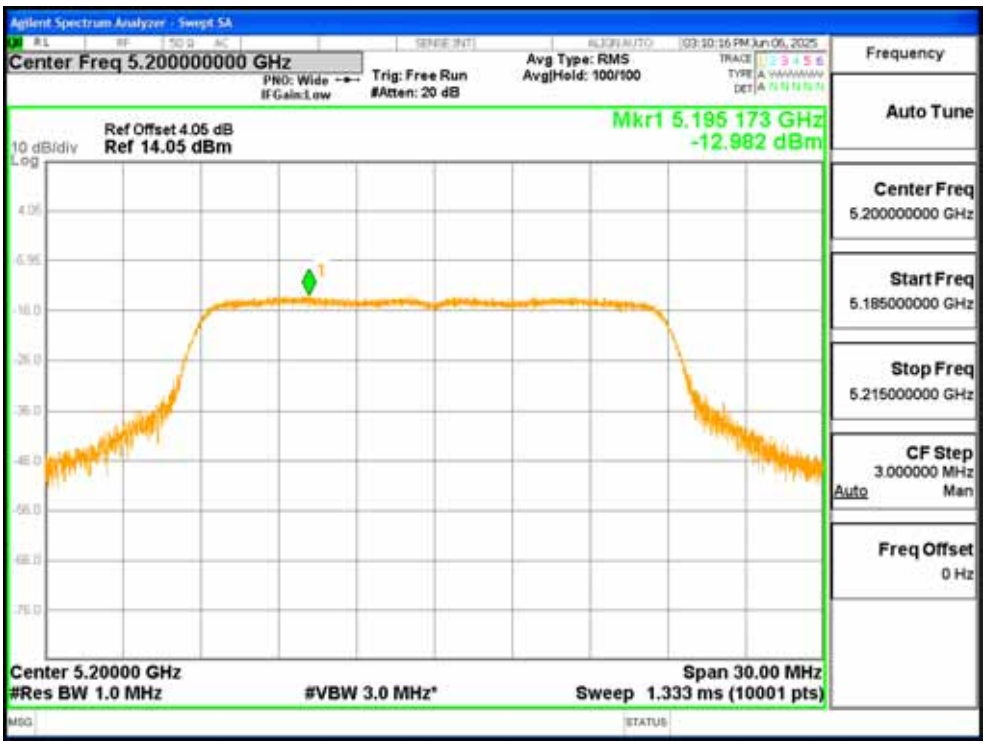
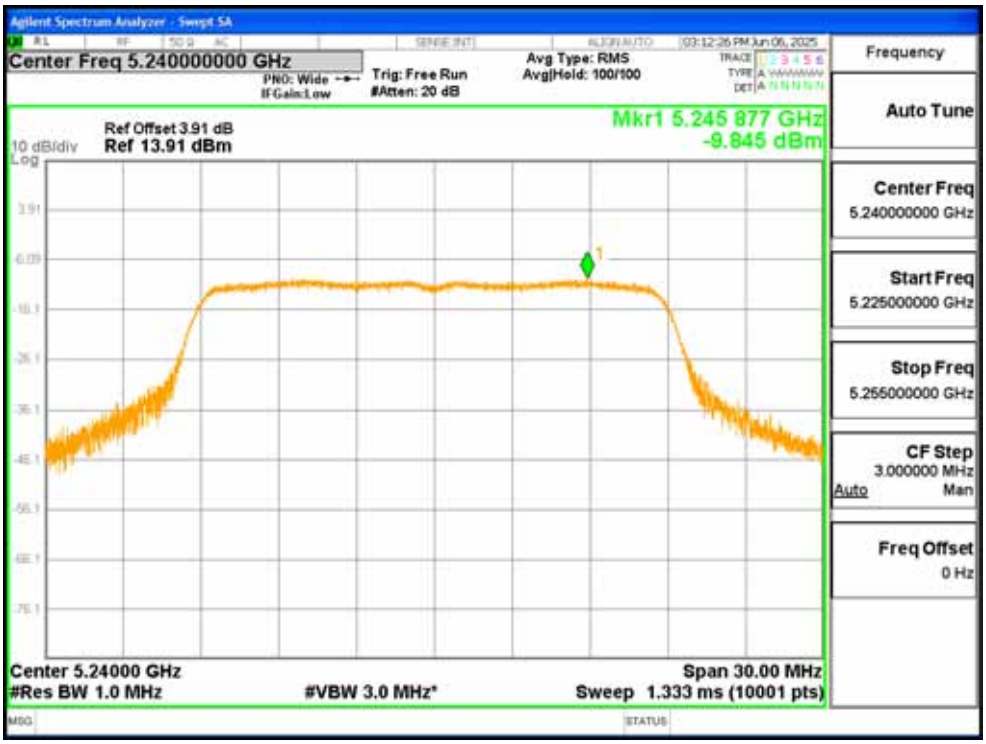
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



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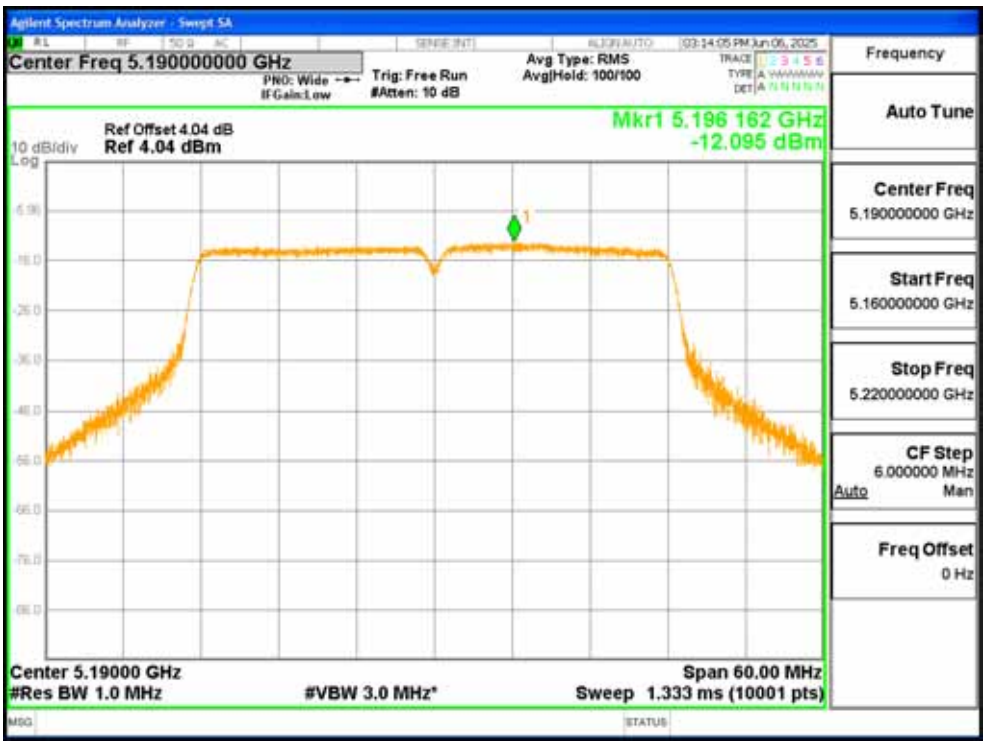
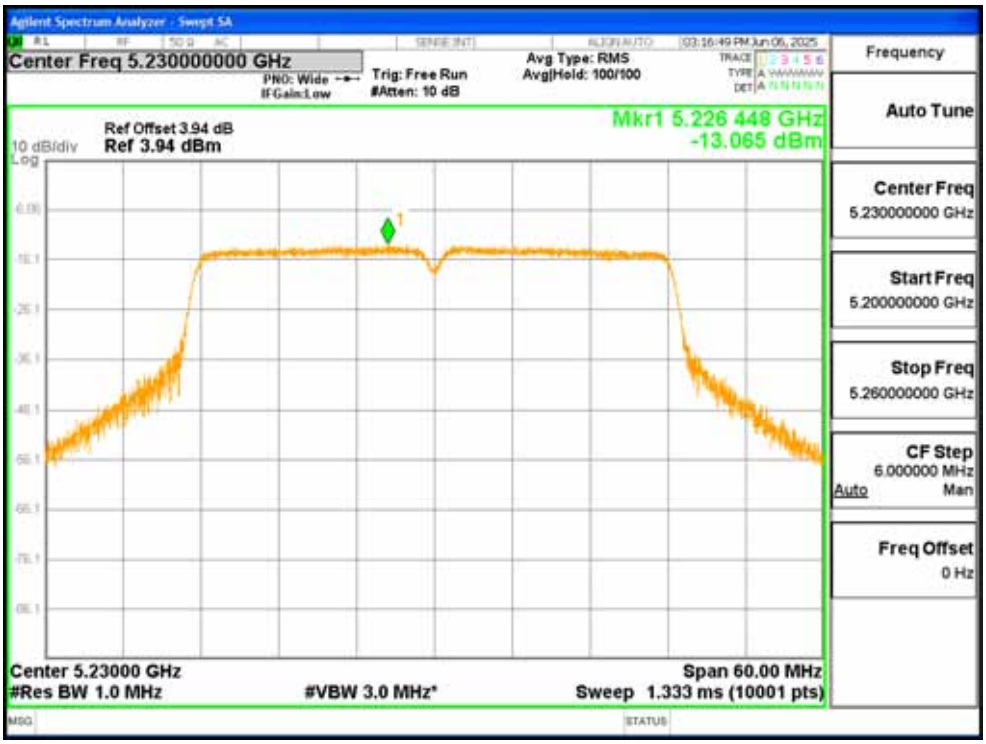
PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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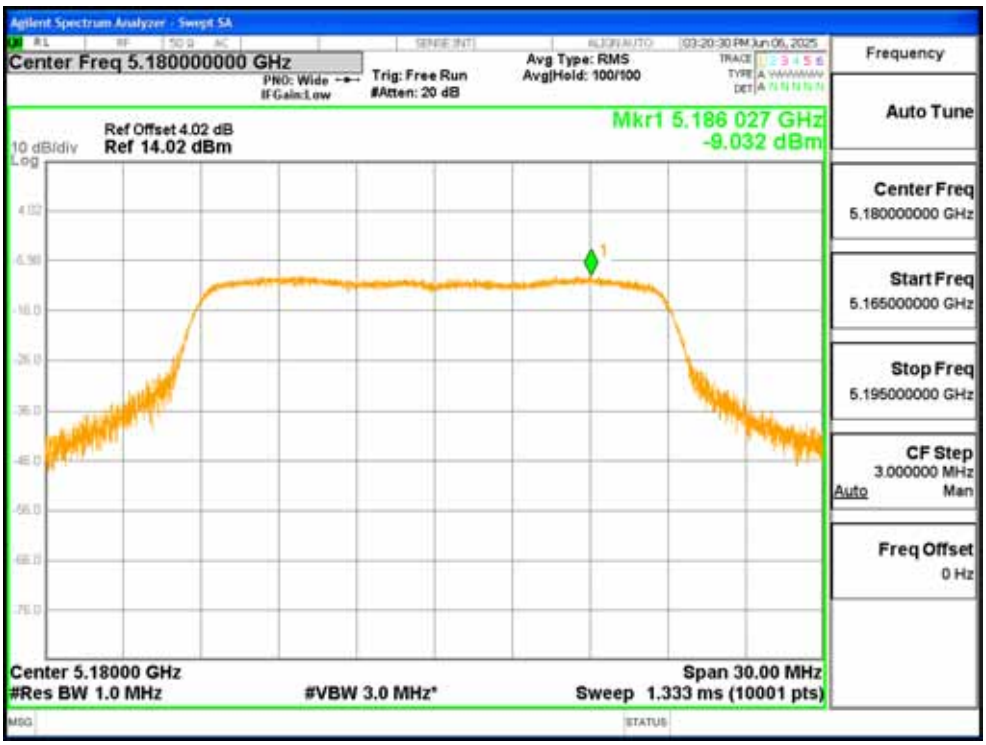
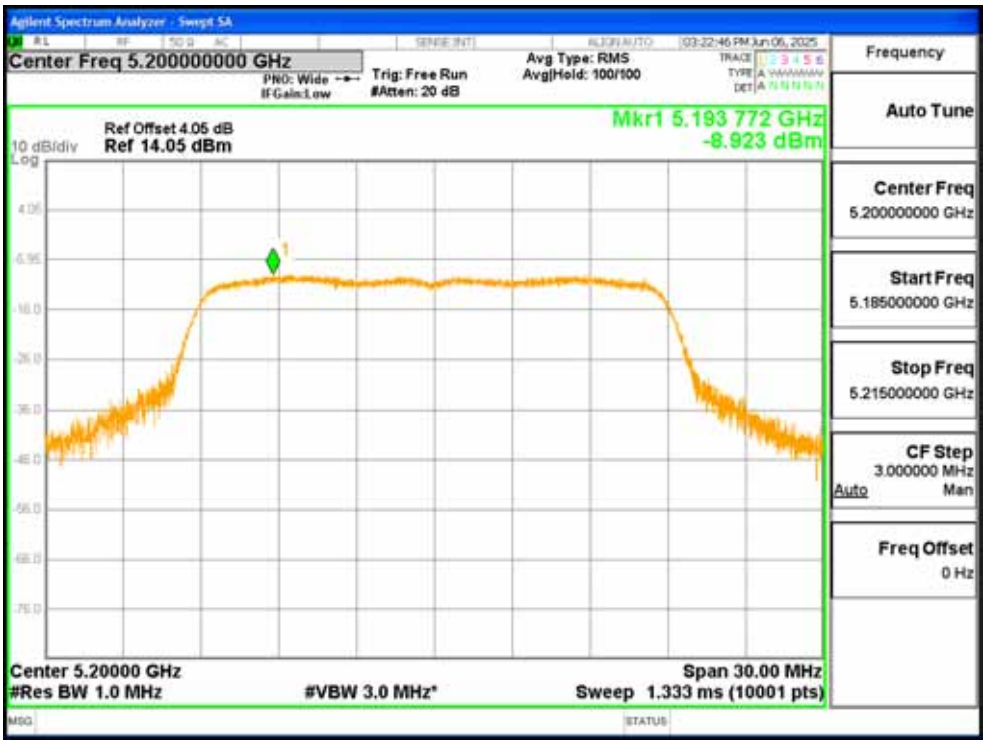
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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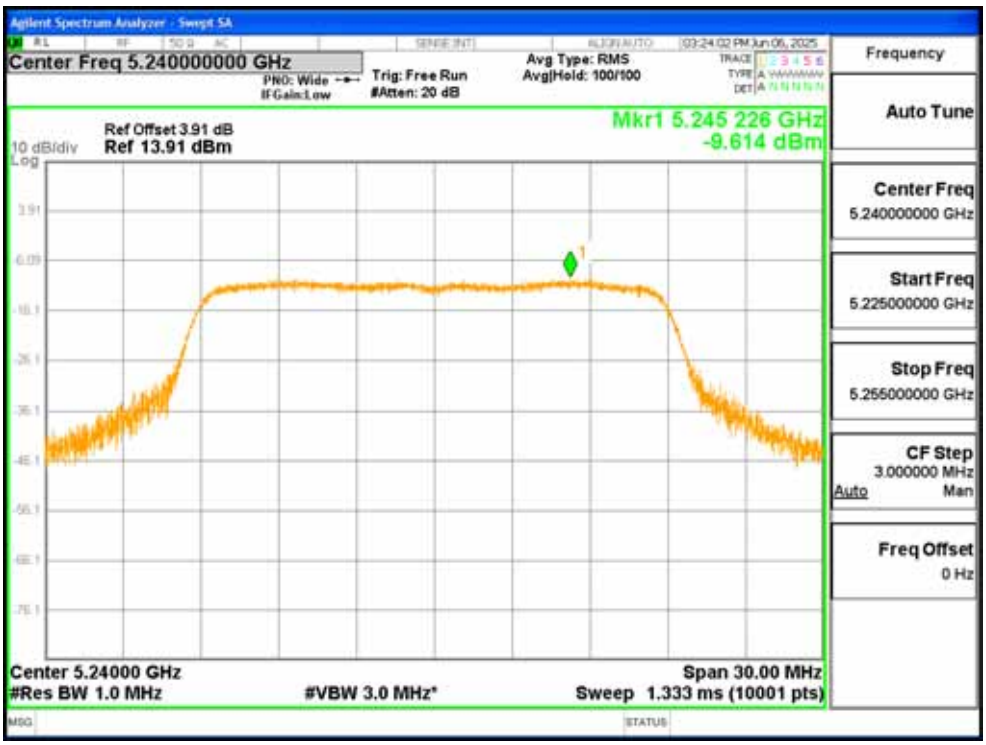
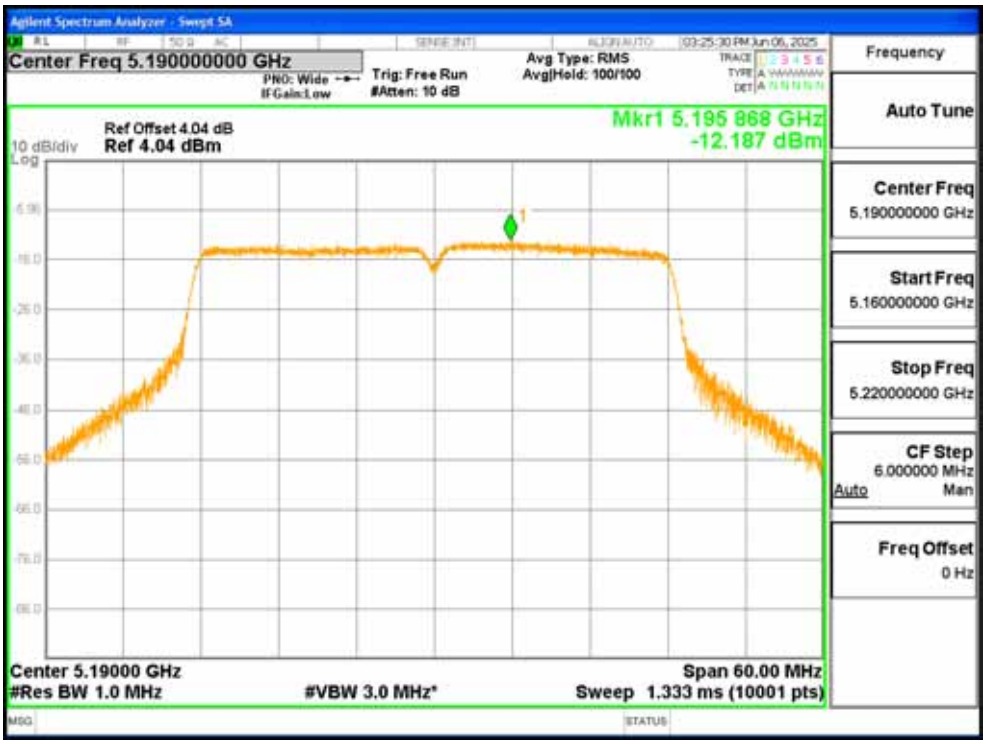
PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1



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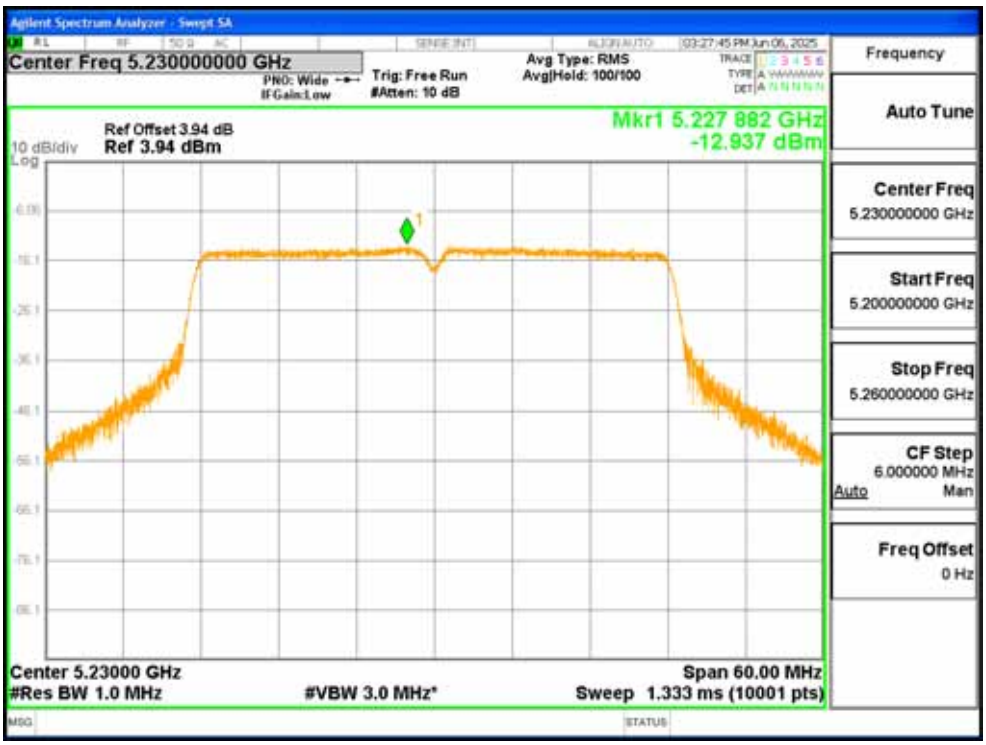
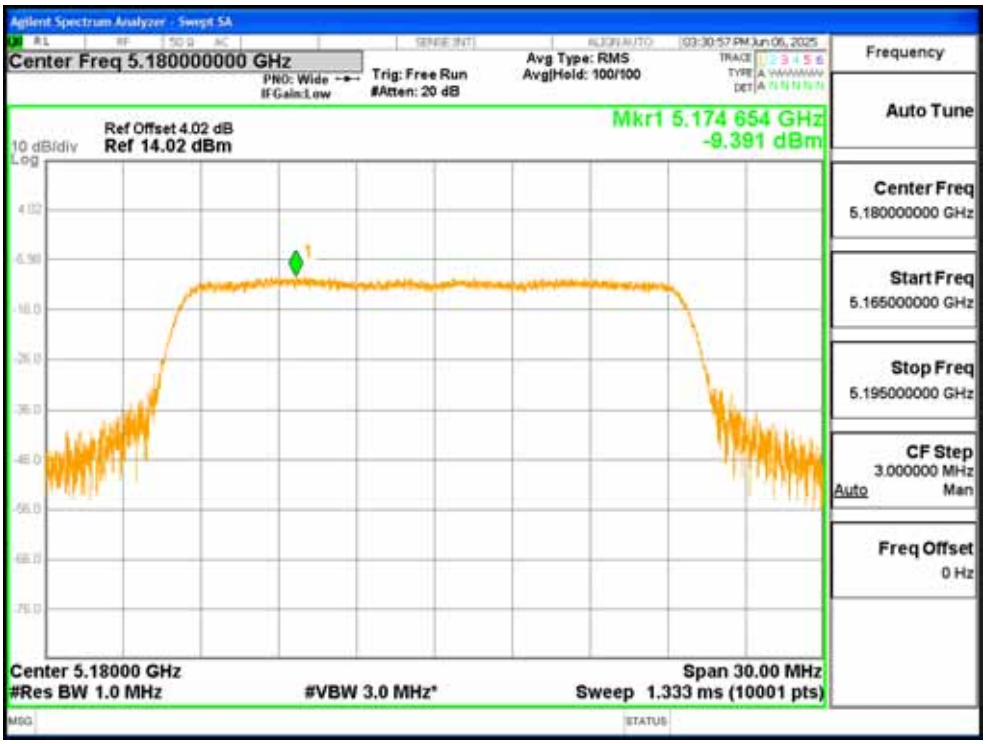
PSD NVNT ac40 5230MHz Ant1



PSD NVNT ax20 5180MHz Ant1



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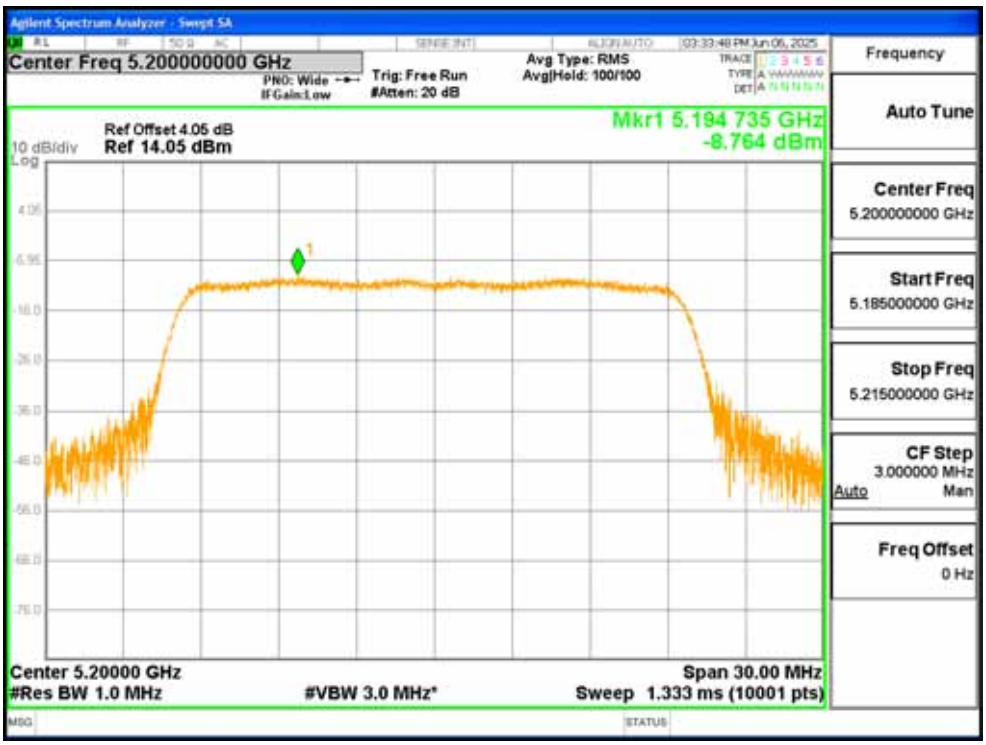
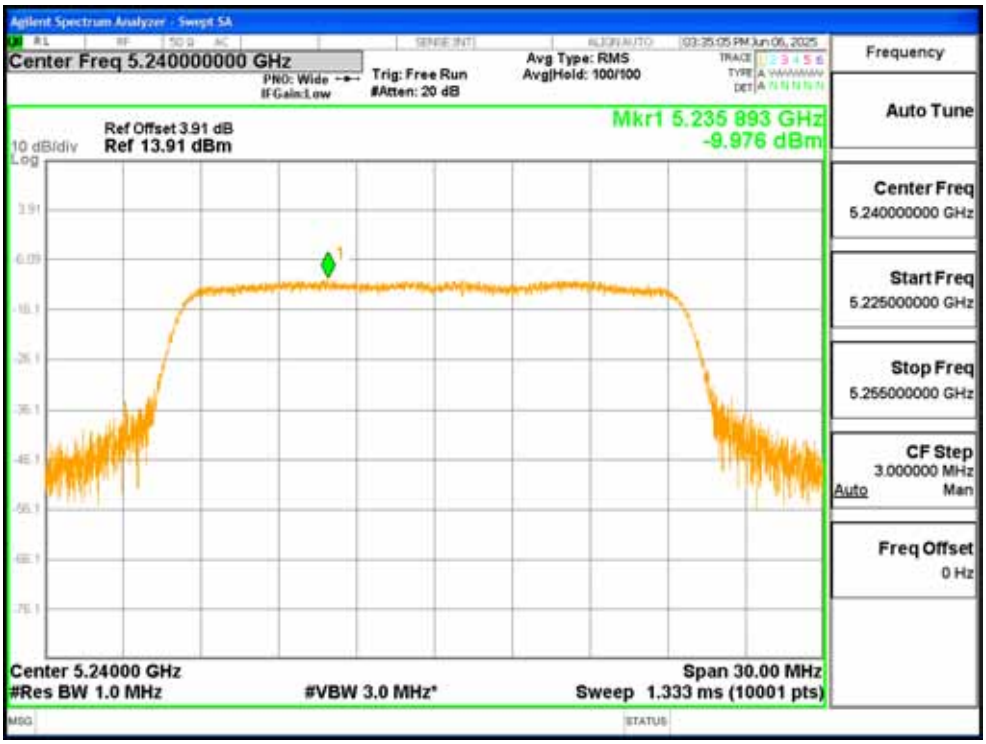
PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



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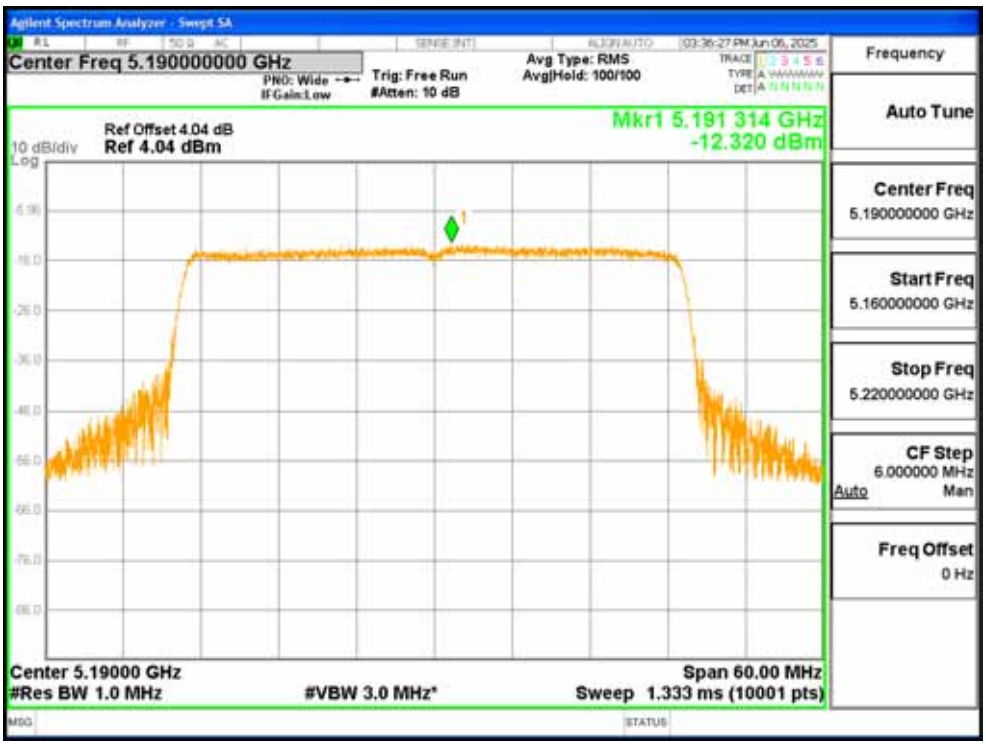
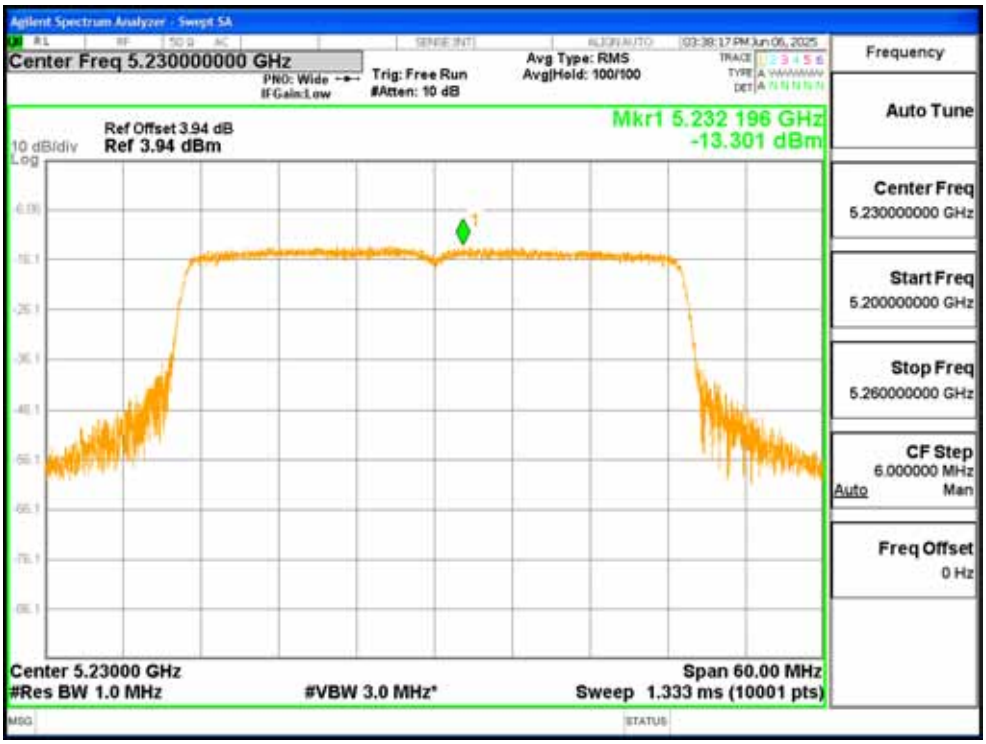
PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1



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Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-11.67	0	-11.67	30	Pass
		5785		-10.51	0	-10.51	30	Pass
		5825		-13.1	0	-13.1	30	Pass
	n20	5745		-9.54	0	-9.54	30	Pass
		5785		-10.75	0	-10.75	30	Pass
		5825		-10.87	0	-10.87	30	Pass
	n40	5755		-13.36	0	-13.36	30	Pass
		5795		-14.22	0	-14.22	30	Pass
	ac20	5745		-9.62	0	-9.62	30	Pass
		5785		-10.89	0	-10.89	30	Pass
		5825		-10.88	0	-10.88	30	Pass
	ac40	5755		-13.33	0	-13.33	30	Pass
		5795		-14.39	0	-14.39	30	Pass
	ax20	5745		-9.62	0	-9.62	30	Pass
		5785		-10.74	0	-10.74	30	Pass
		5825		-11.19	0	-11.19	30	Pass
	ax40	5755		-13.23	0	-13.23	30	Pass
		5795		-14.66	0	-14.66	30	Pass

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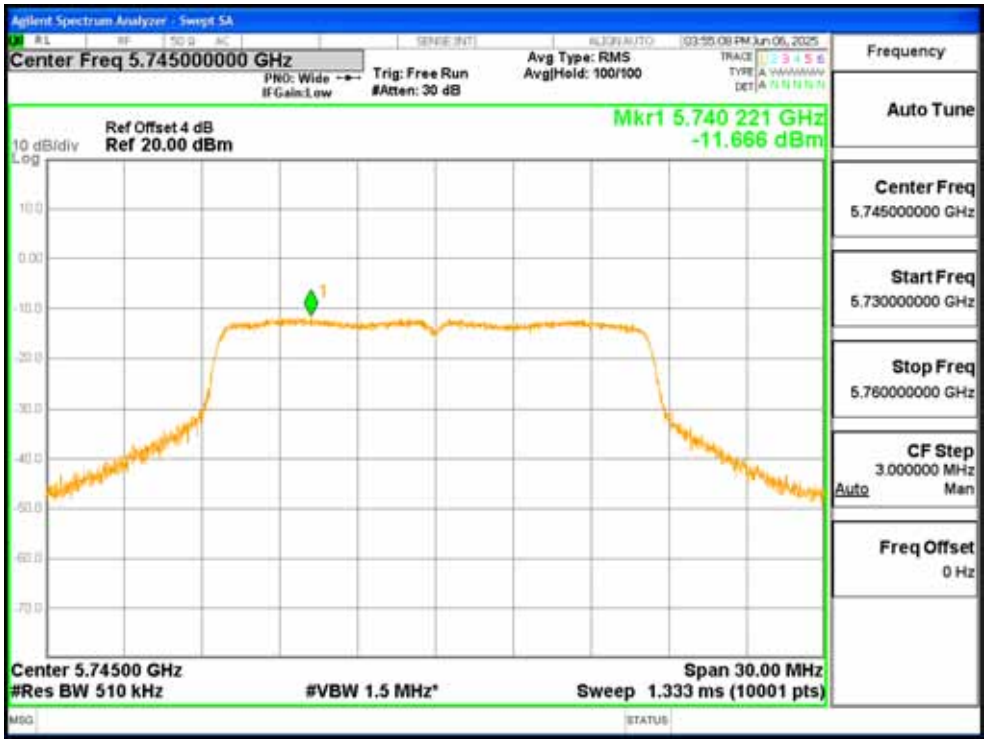
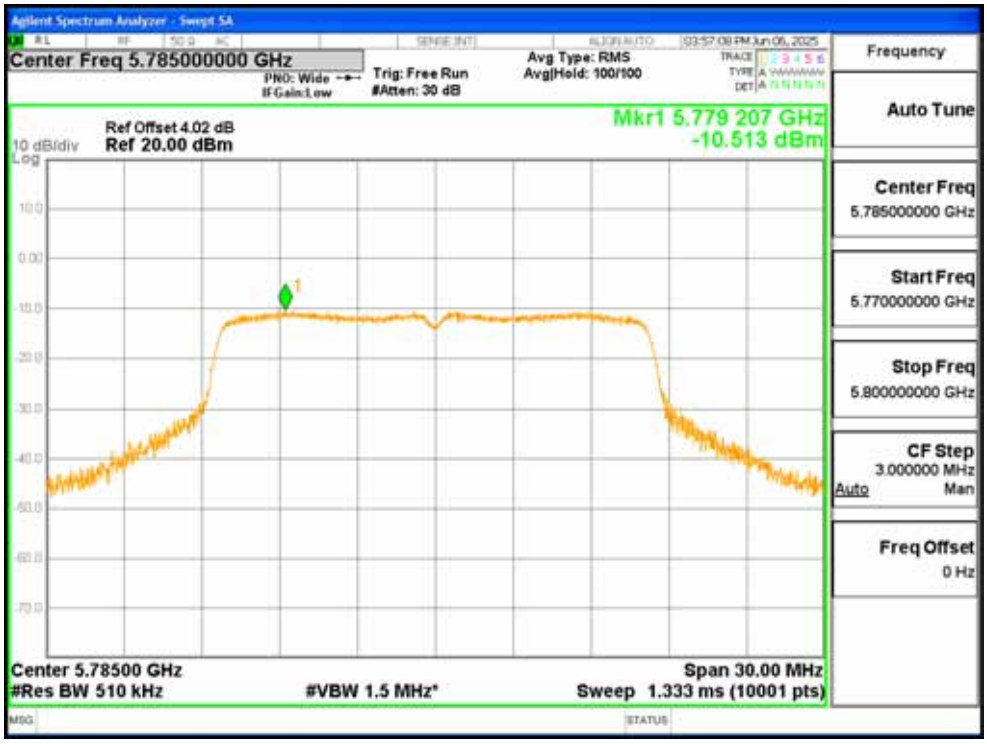
Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



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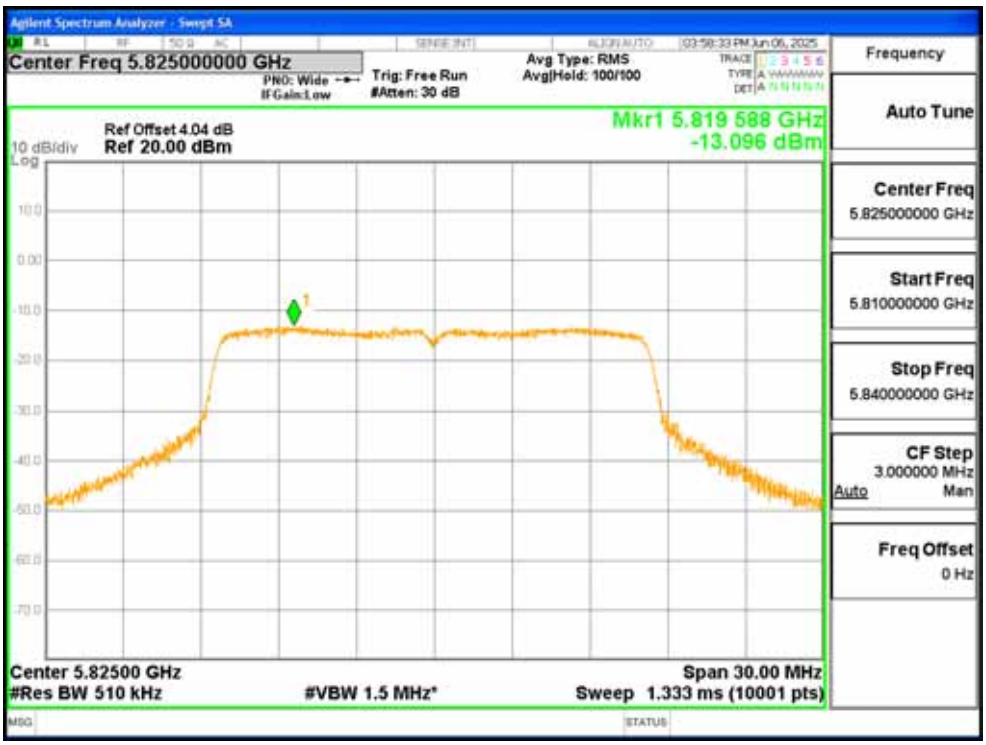
PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

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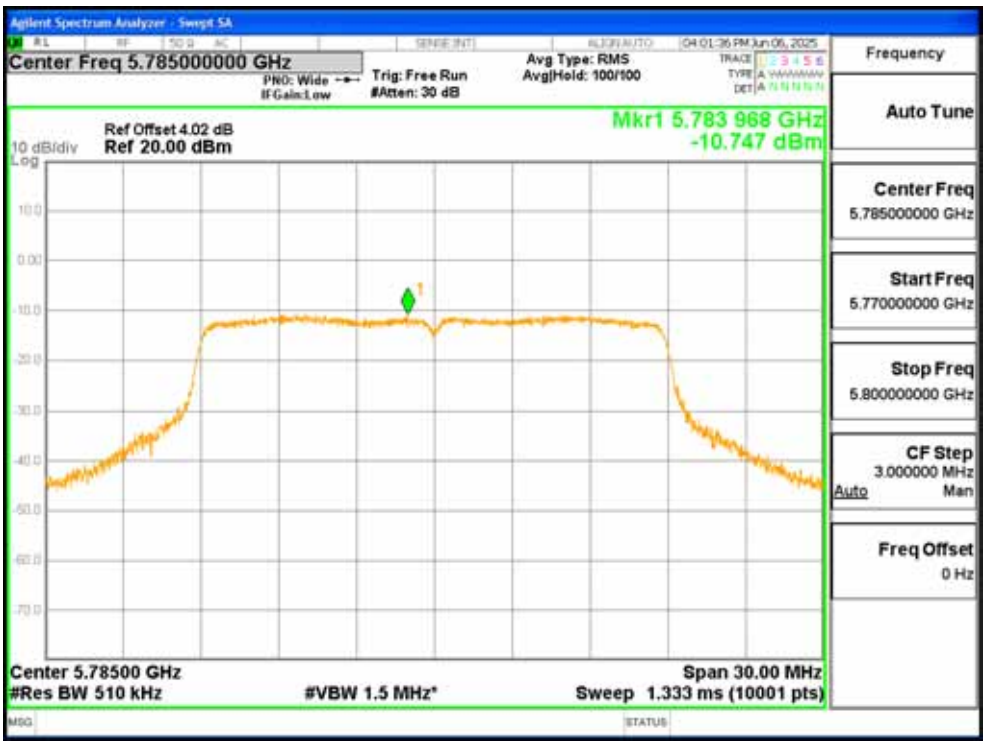
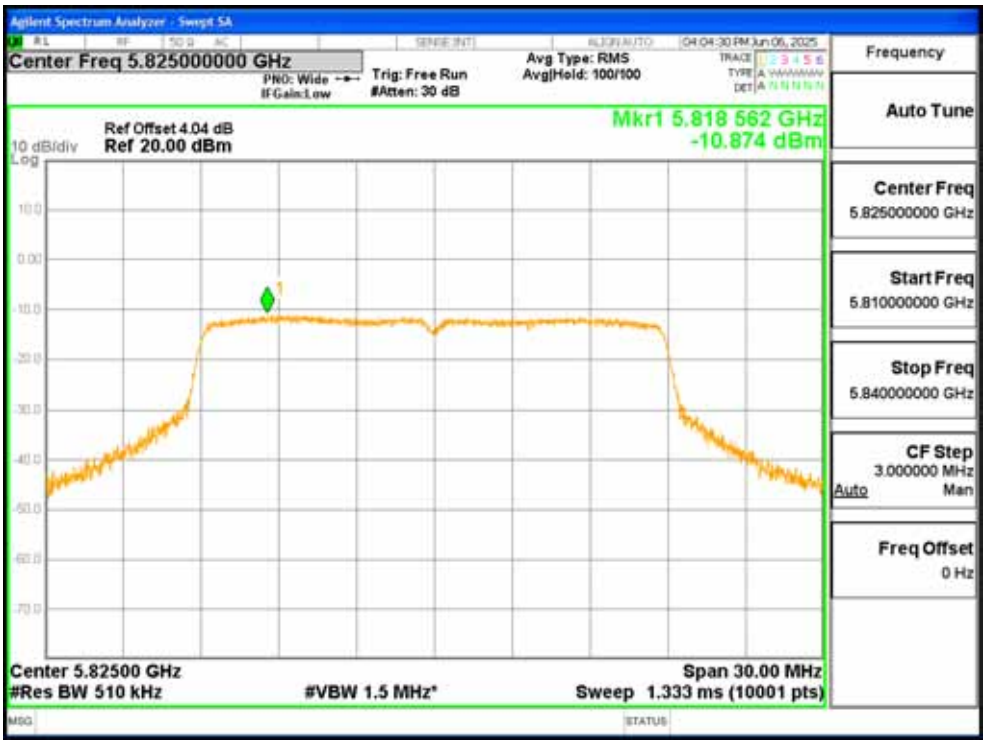
PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



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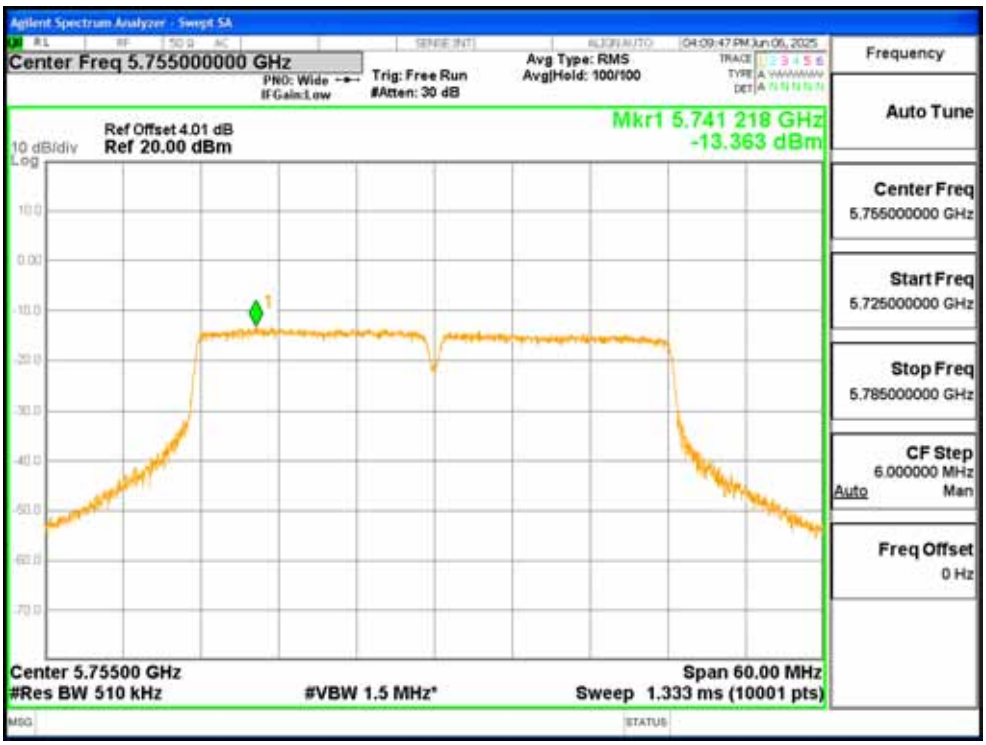
PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1

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PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1

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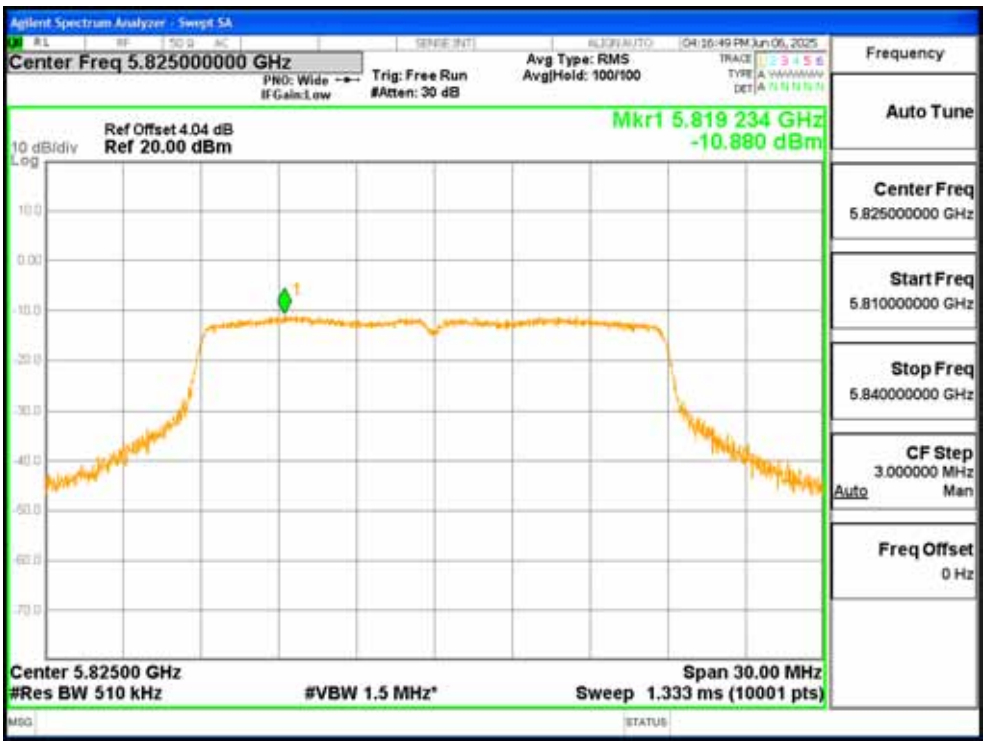
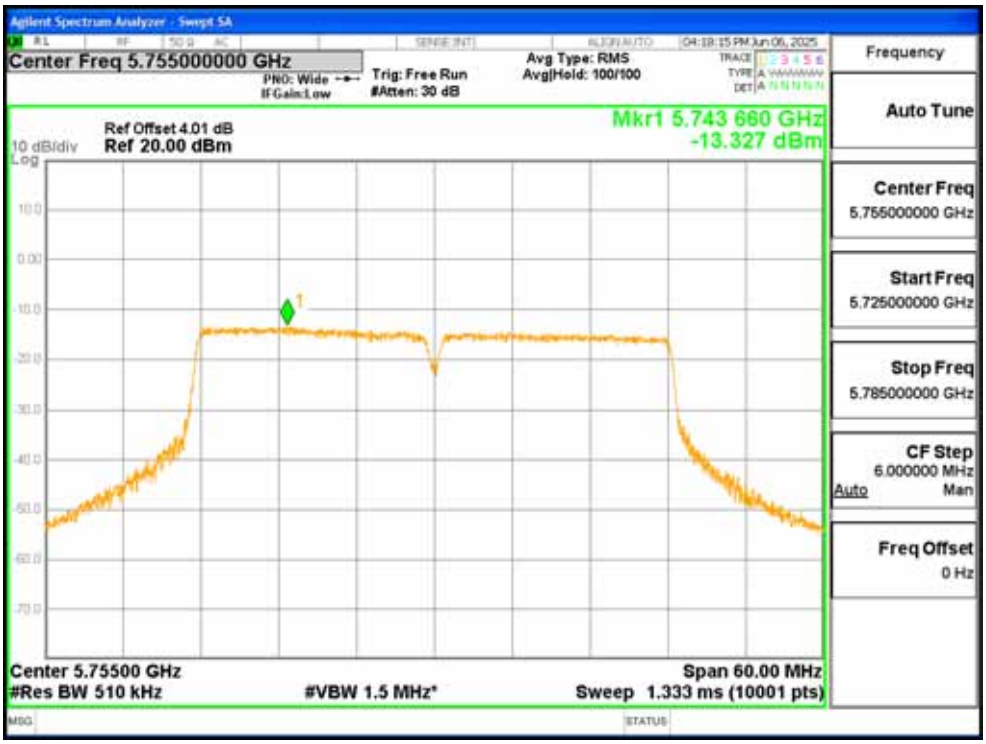
PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



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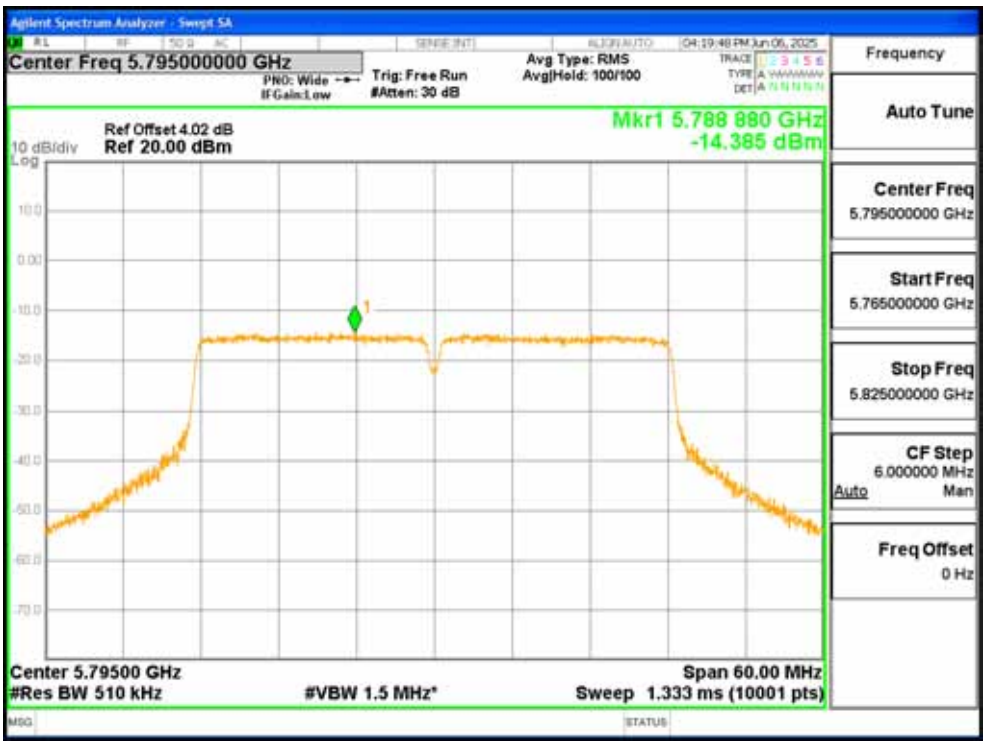
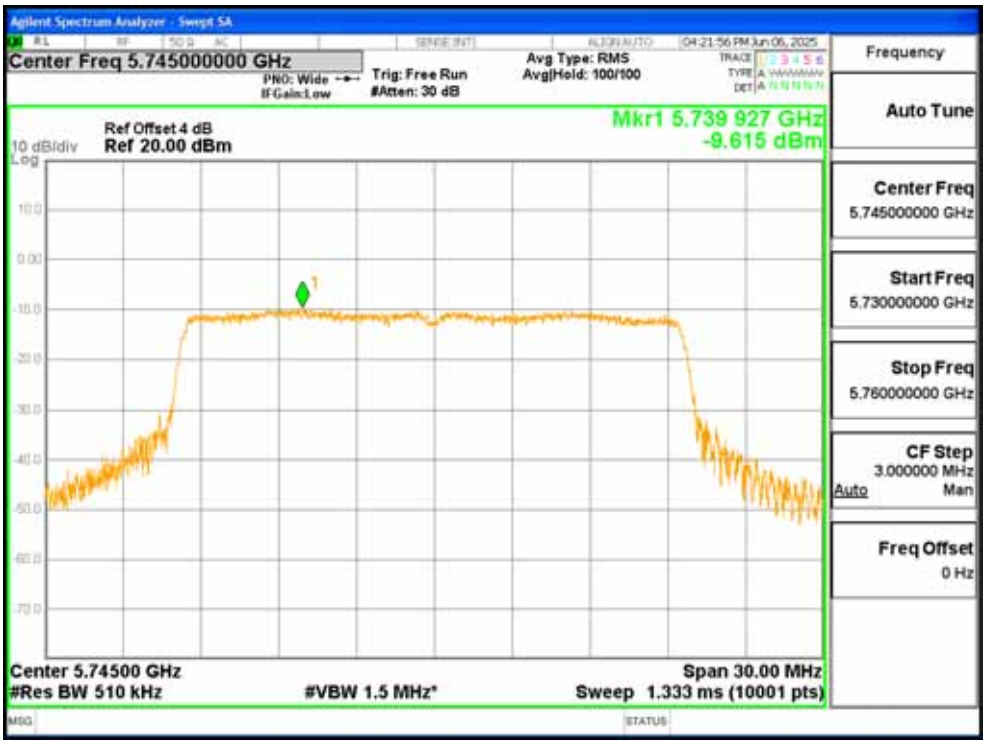
PSD NVNT ac40 5795MHz Ant1



PSD NVNT ax20 5745MHz Ant1



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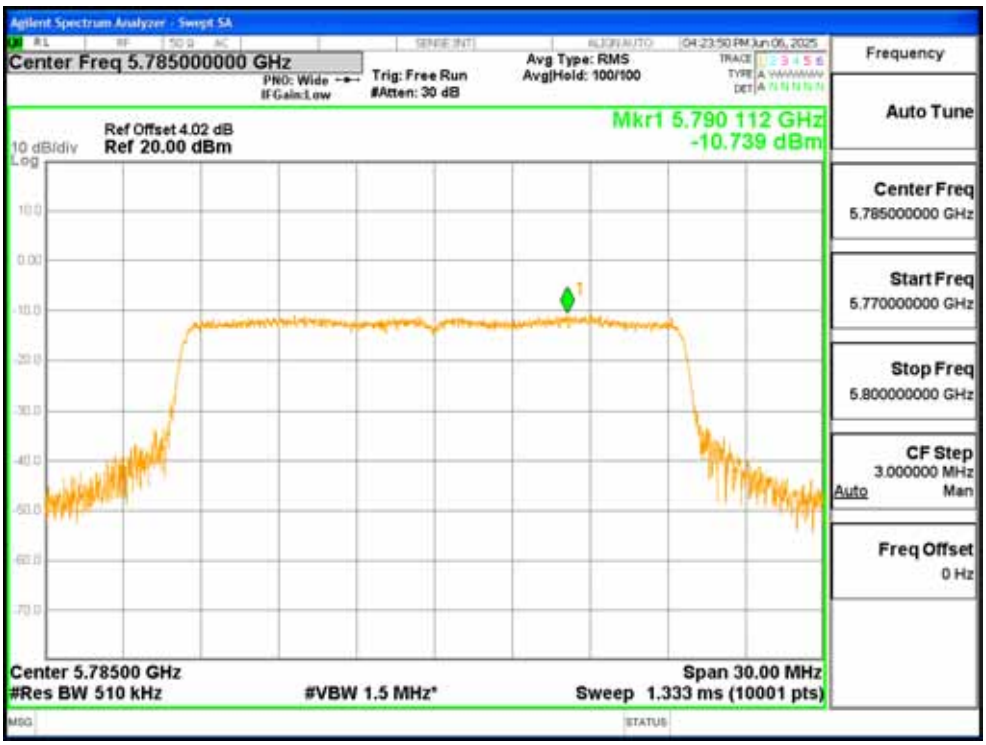
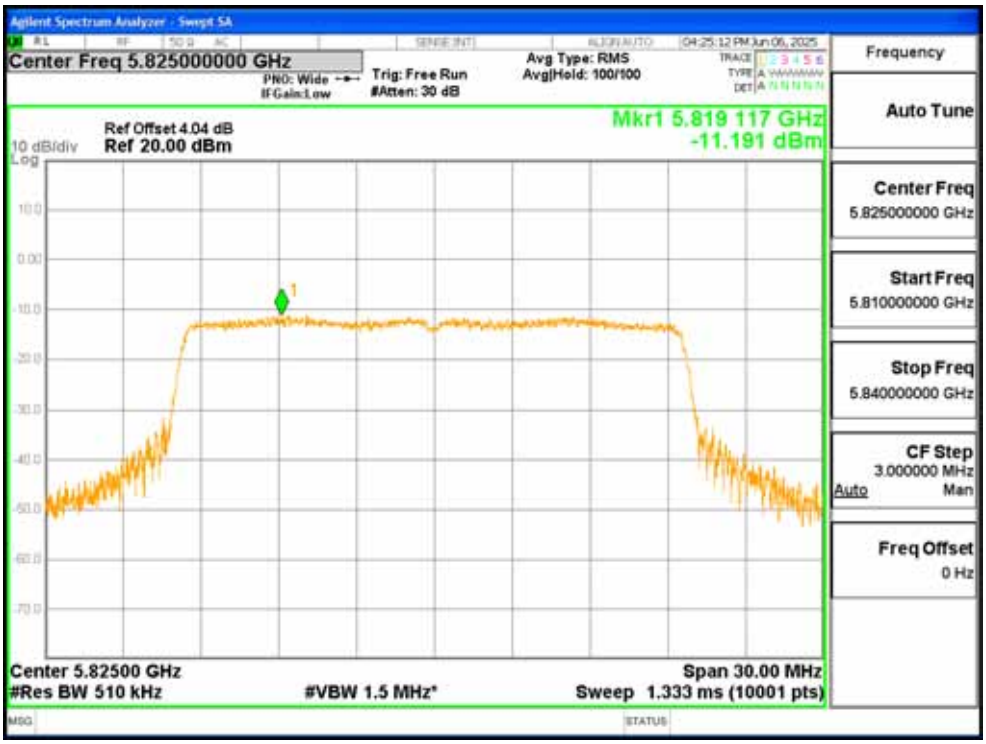
PSD NVNT ax20 5785MHz Ant1



PSD NVNT ax20 5825MHz Ant1



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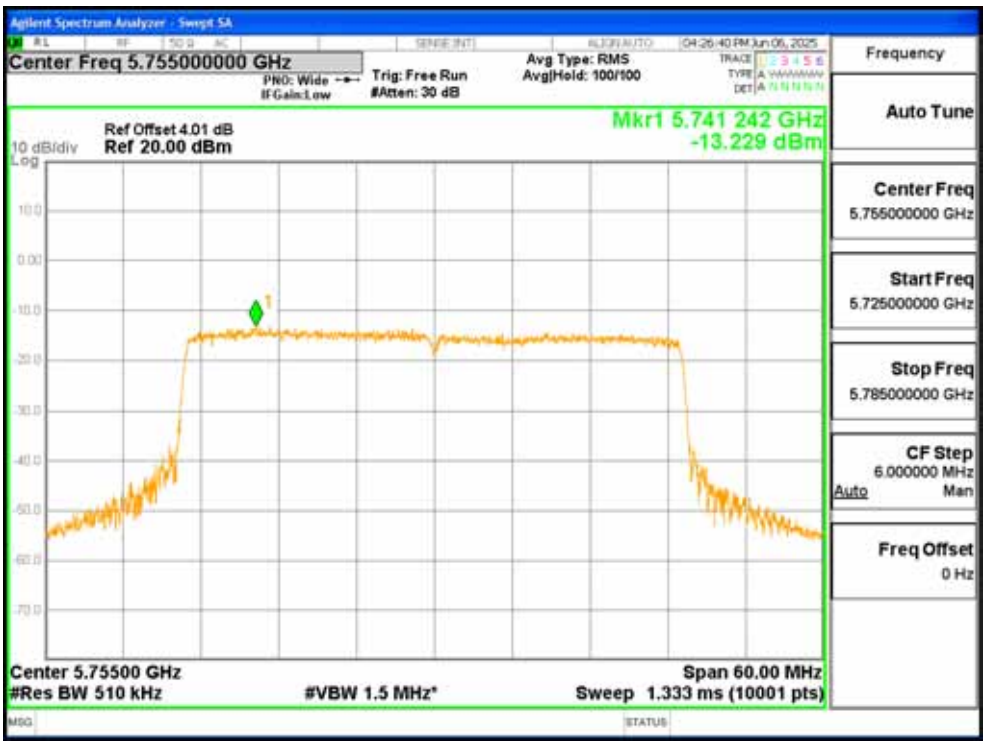
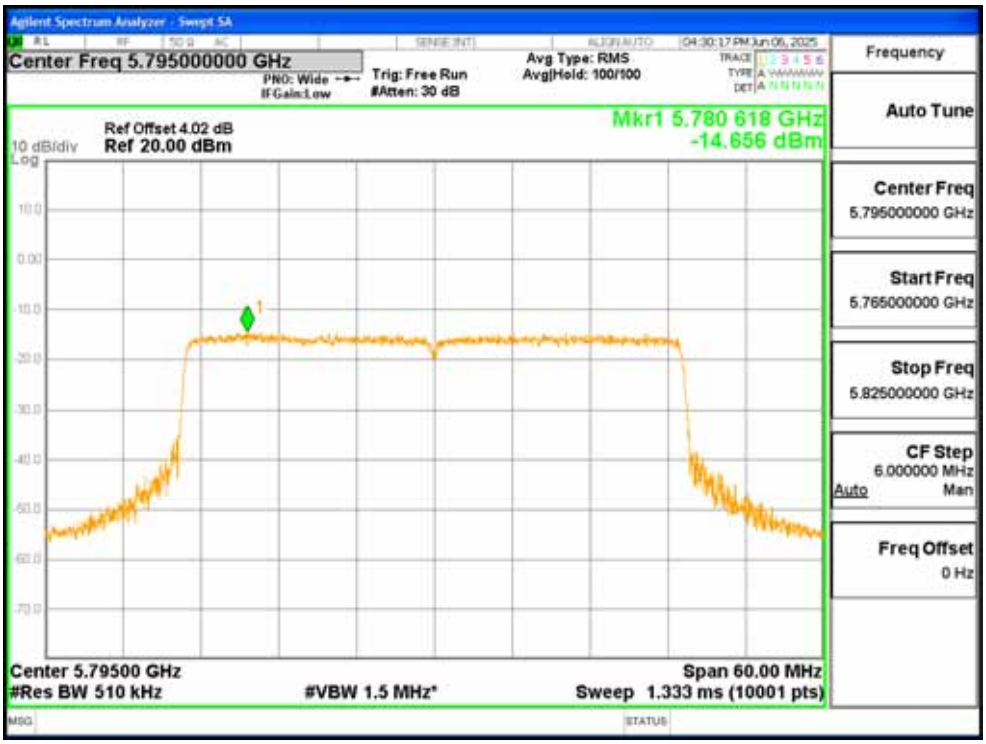
PSD NVNT ax40 5755MHz Ant1



PSD NVNT ax40 5795MHz Ant1



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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 +/- 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	5180	Ant1	5179.96	-40000	-7.72	25	Pass
		5200		5199.96	-40000	-7.69	25	Pass
		5240		5239.96	-40000	-7.63	25	Pass
	n20	5180		5179.98	-20000	-3.86	25	Pass
		5200		5199.96	-40000	-7.69	25	Pass
		5240		5239.96	-40000	-7.63	25	Pass
	n40	5190		5190	0	0	25	Pass
		5230		5229.96	-40000	-7.65	25	Pass
	ac20	5180		5179.96	-40000	-7.72	25	Pass
		5200		5199.96	-40000	-7.69	25	Pass
		5240		5239.96	-40000	-7.63	25	Pass
	ac40	5190		5189.92	-80000	-15.41	25	Pass
		5230		5229.96	-40000	-7.65	25	Pass
	ax20	5180		5179.96	-40000	-7.72	25	Pass
		5200		5199.96	-40000	-7.69	25	Pass
		5240		5239.96	-40000	-7.63	25	Pass
	ax40	5190		5189.96	-40000	-7.71	25	Pass
		5230		5229.96	-40000	-7.65	25	Pass

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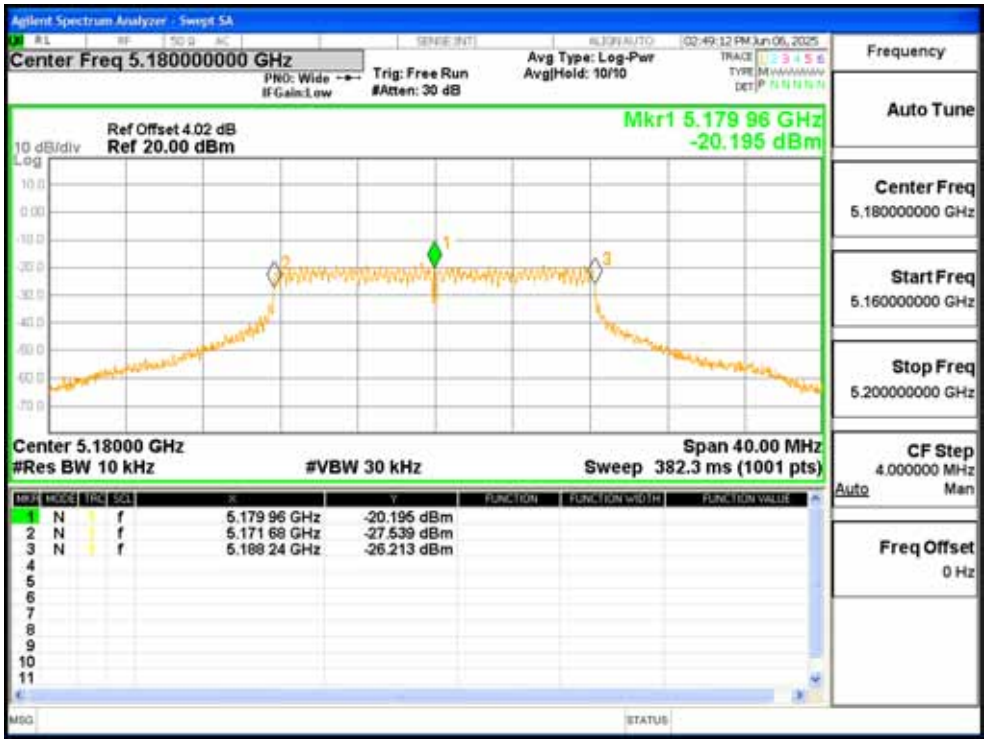
Test Graphs

Freq. Stability NVNT a 5180MHz Ant1



Freq. Stability NVNT a 5200MHz Ant1

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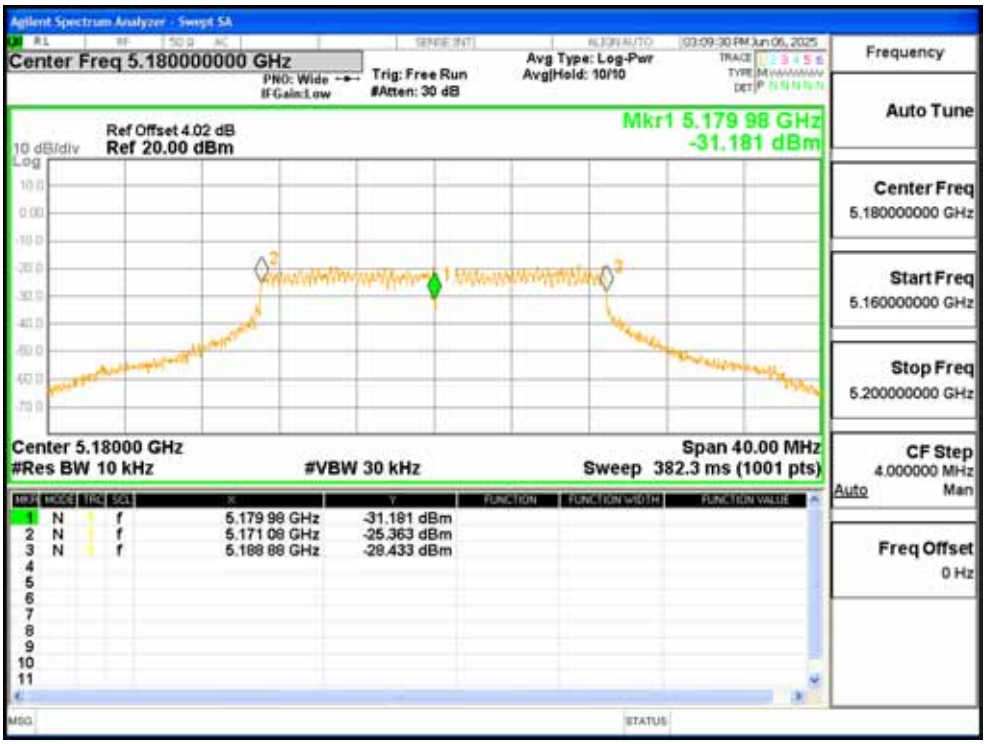
Freq. Stability NVNT a 5240MHz Ant1

Freq. Stability NVNT n20 5180MHz Ant1



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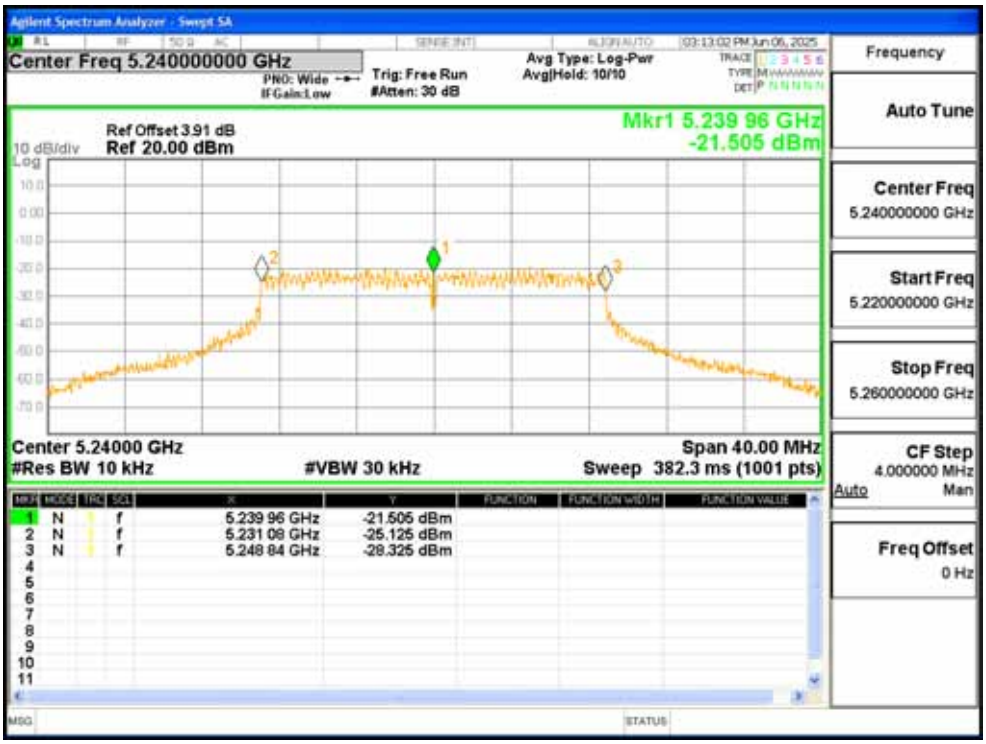
Freq. Stability NVNT n20 5200MHz Ant1

Freq. Stability NVNT n20 5240MHz Ant1



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Freq. Stability NVNT n40 5190MHz Ant1

Freq. Stability NVNT n40 5230MHz Ant1

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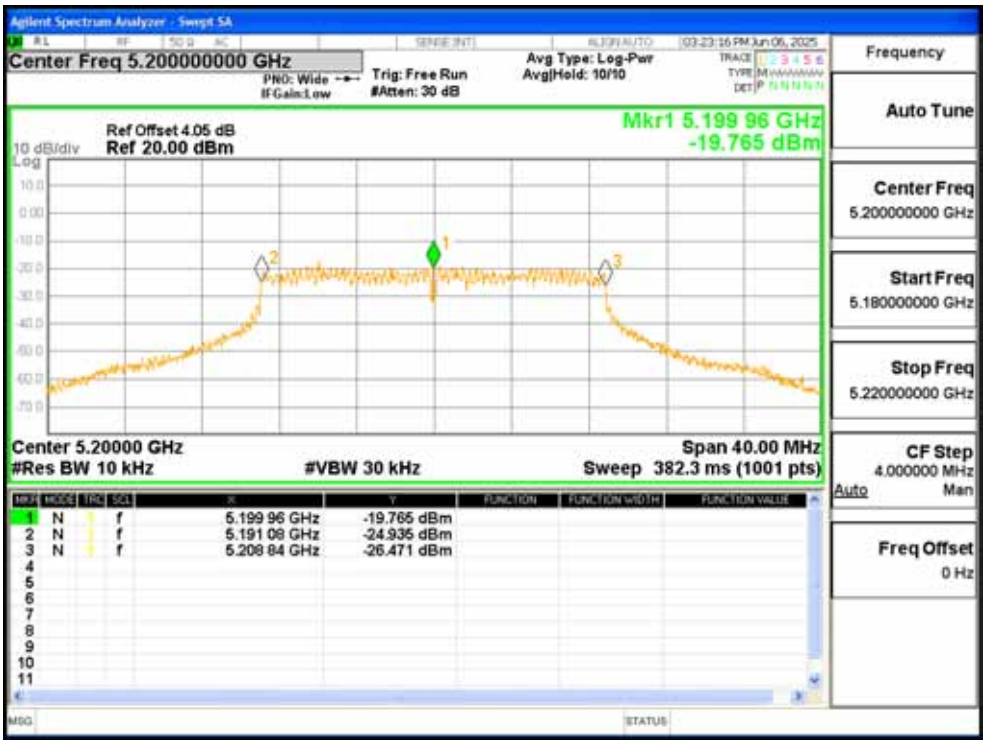
Freq. Stability NVNT ac20 5180MHz Ant1

Freq. Stability NVNT ac20 5200MHz Ant1



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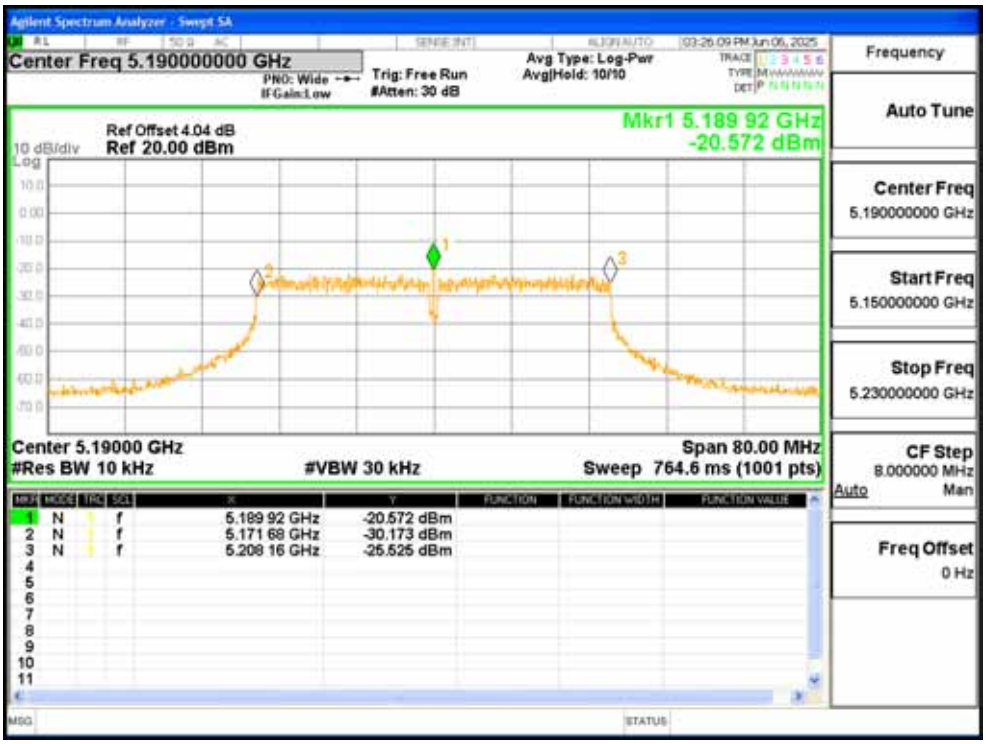
Freq. Stability NVNT ac20 5240MHz Ant1

Freq. Stability NVNT ac40 5190MHz Ant1



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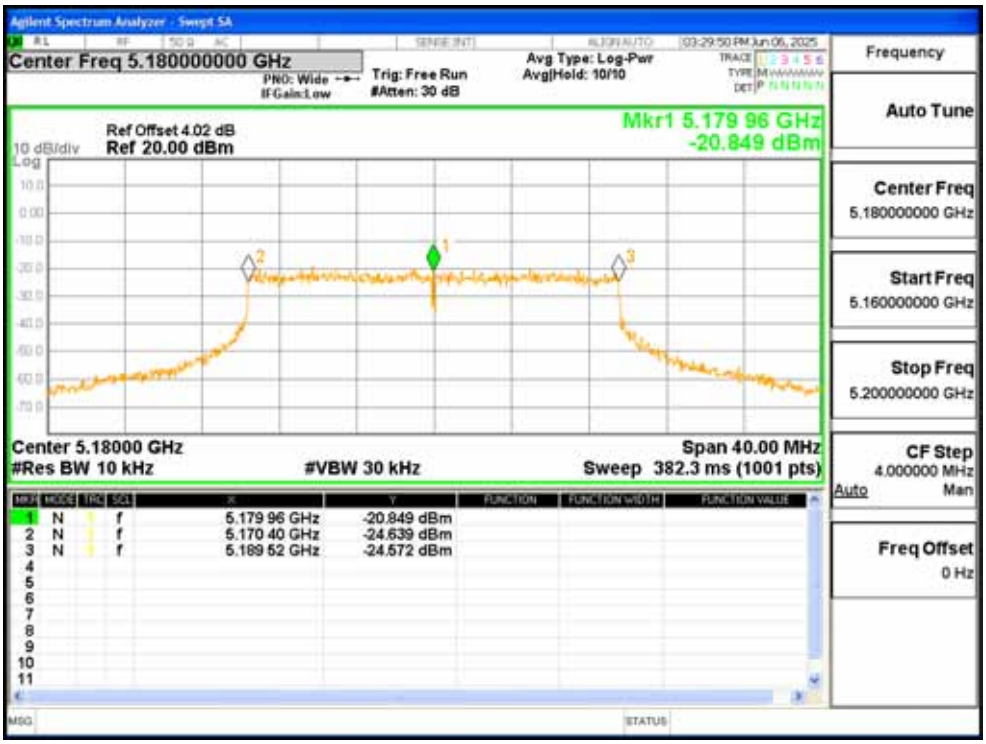
Freq. Stability NVNT ac40 5230MHz Ant1

Freq. Stability NVNT ax20 5180MHz Ant1



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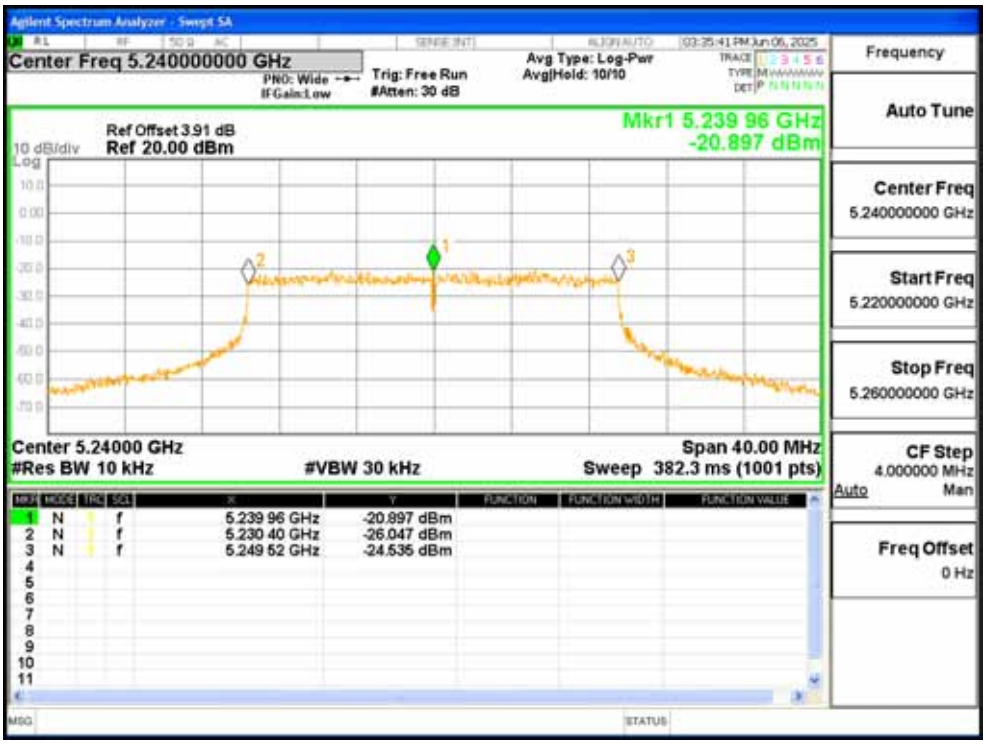
Freq. Stability NVNT ax20 5200MHz Ant1

Freq. Stability NVNT ax20 5240MHz Ant1



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Freq. Stability NVNT ax40 5190MHz Ant1

Freq. Stability NVNT ax40 5230MHz Ant1

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Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5744.94	-60000	-10.44	25	Pass
		5785		5784.96	-40000	-6.91	25	Pass
		5825		5824.94	-60000	-10.3	25	Pass
	n20	5745		5744.94	-60000	-10.44	25	Pass
		5785		5784.98	-20000	-3.46	25	Pass
		5825		5824.94	-60000	-10.3	25	Pass
	n40	5755		5754.96	-40000	-6.95	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass
	ac20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.94	-60000	-10.37	25	Pass
		5825		5824.96	-40000	-6.87	25	Pass
	ac40	5755		5754.96	-40000	-6.95	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass
	ax20	5745		5744.96	-40000	-6.96	25	Pass
		5785		5784.96	-40000	-6.91	25	Pass
		5825		5824.96	-40000	-6.87	25	Pass
	ax40	5755		5754.96	-40000	-6.95	25	Pass
		5795		5794.96	-40000	-6.9	25	Pass

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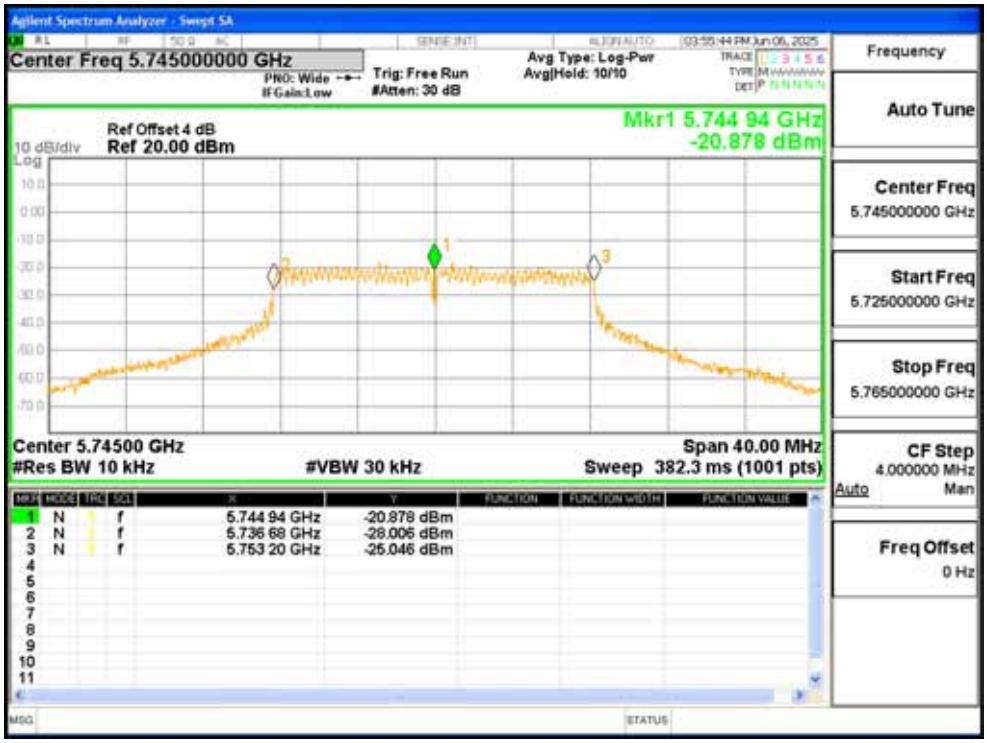
Test Graphs

Freq. Stability NVNT a 5745MHz Ant1



Freq. Stability NVNT a 5785MHz Ant1

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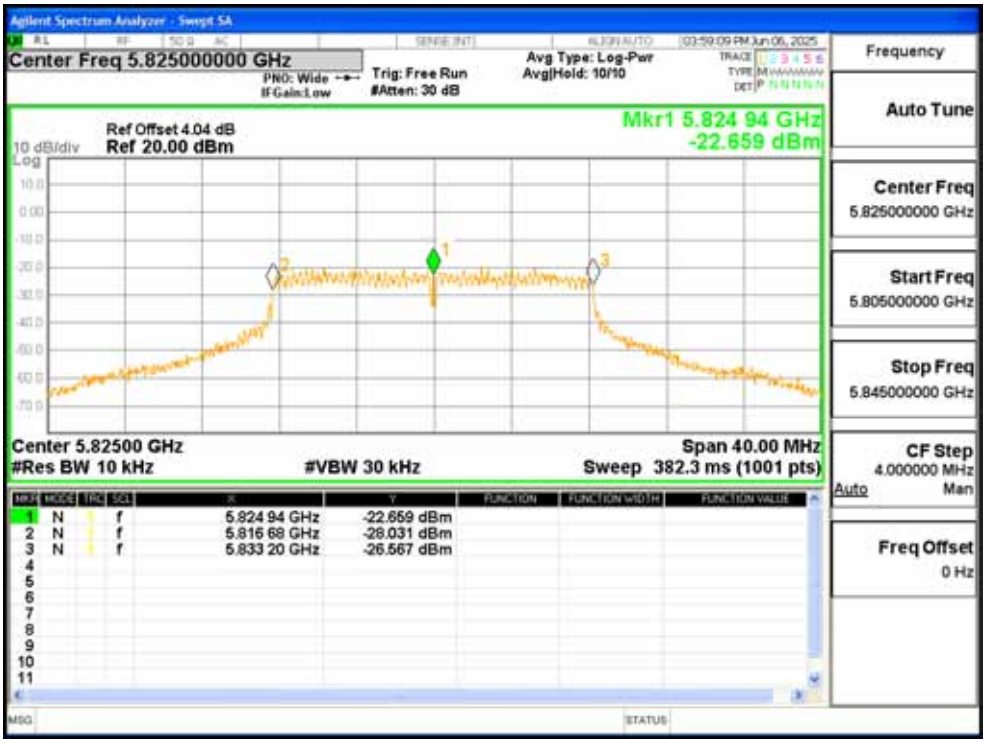
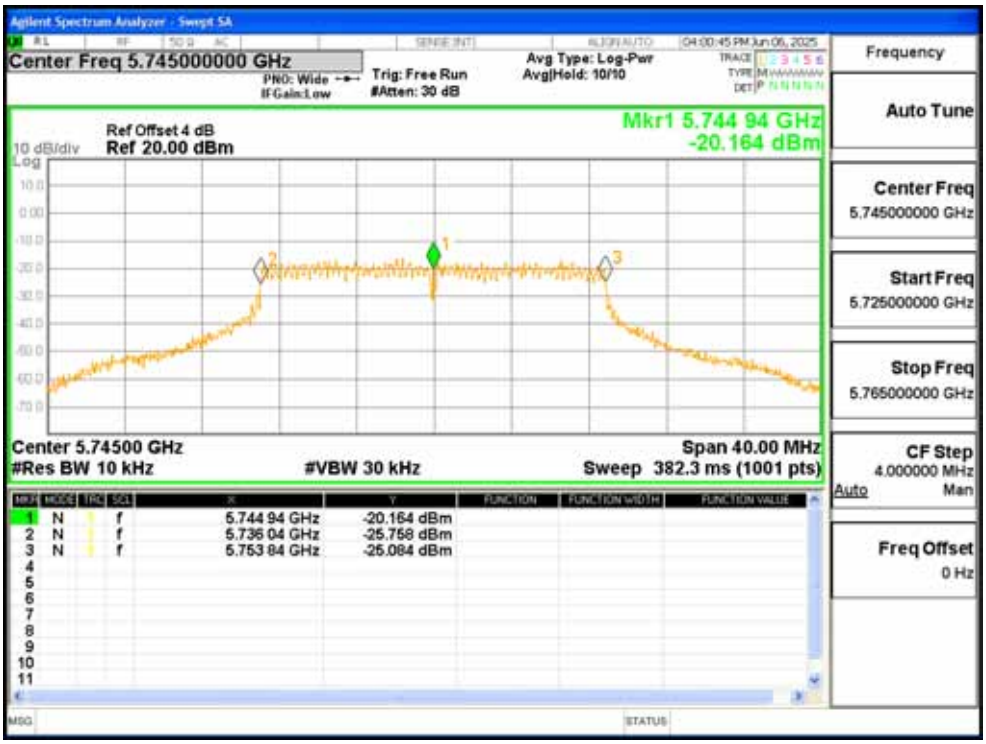
Freq. Stability NVNT a 5825MHz Ant1



Freq. Stability NVNT n20 5745MHz Ant1



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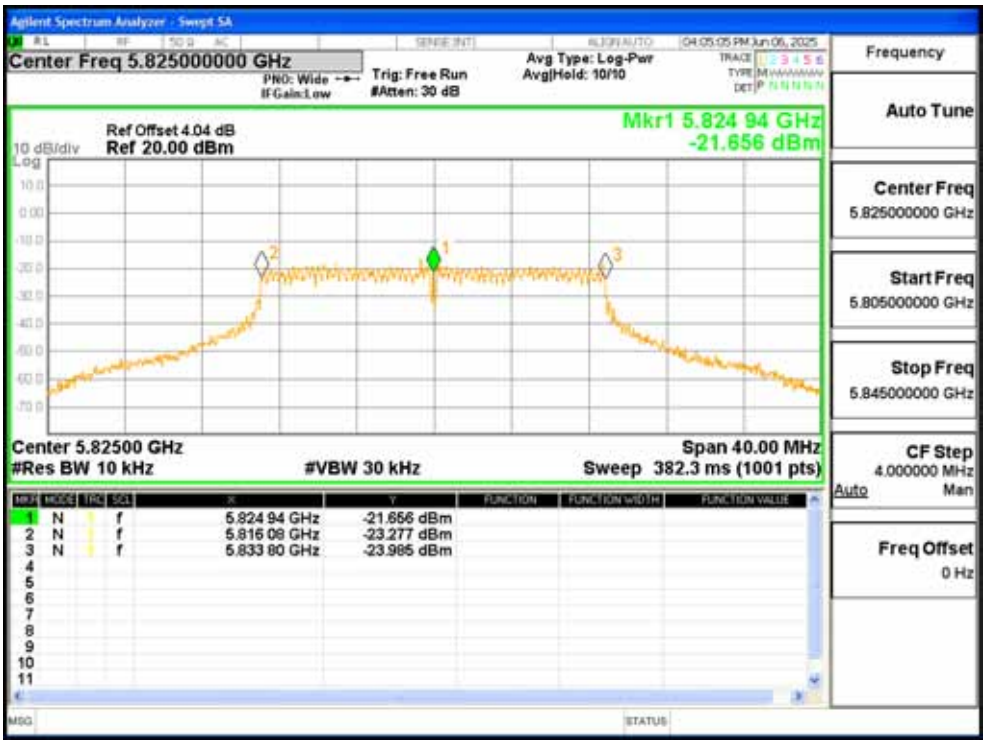
Freq. Stability NVNT n20 5785MHz Ant1

Freq. Stability NVNT n20 5825MHz Ant1



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Freq. Stability NVNT n40 5755MHz Ant1

Freq. Stability NVNT n40 5795MHz Ant1

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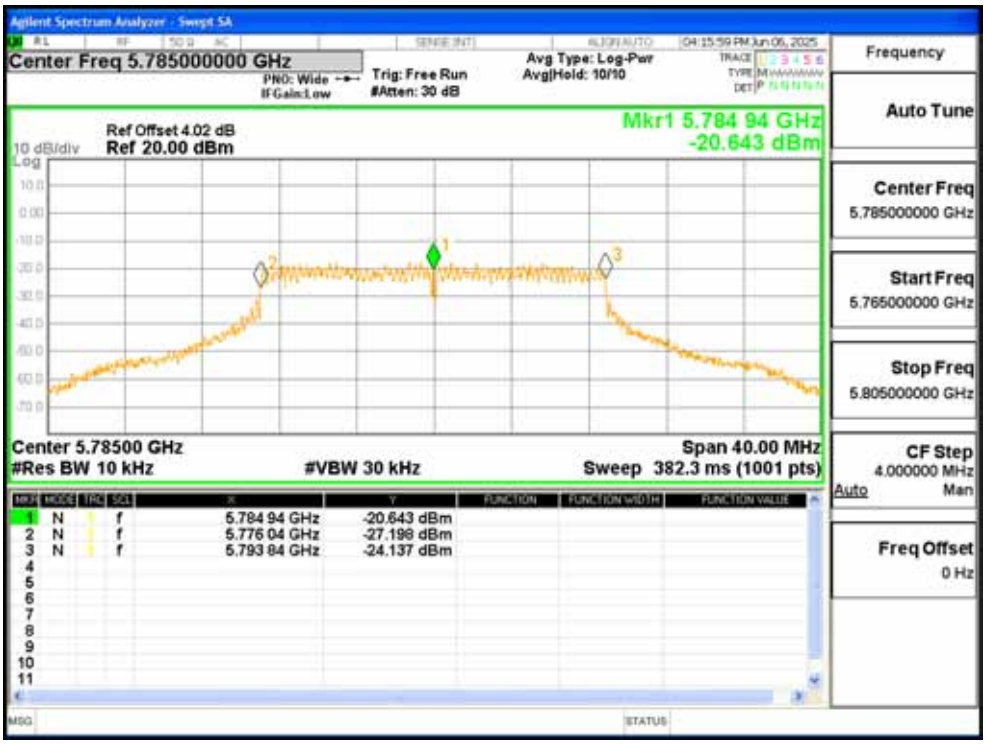
Freq. Stability NVNT ac20 5745MHz Ant1

Freq. Stability NVNT ac20 5785MHz Ant1



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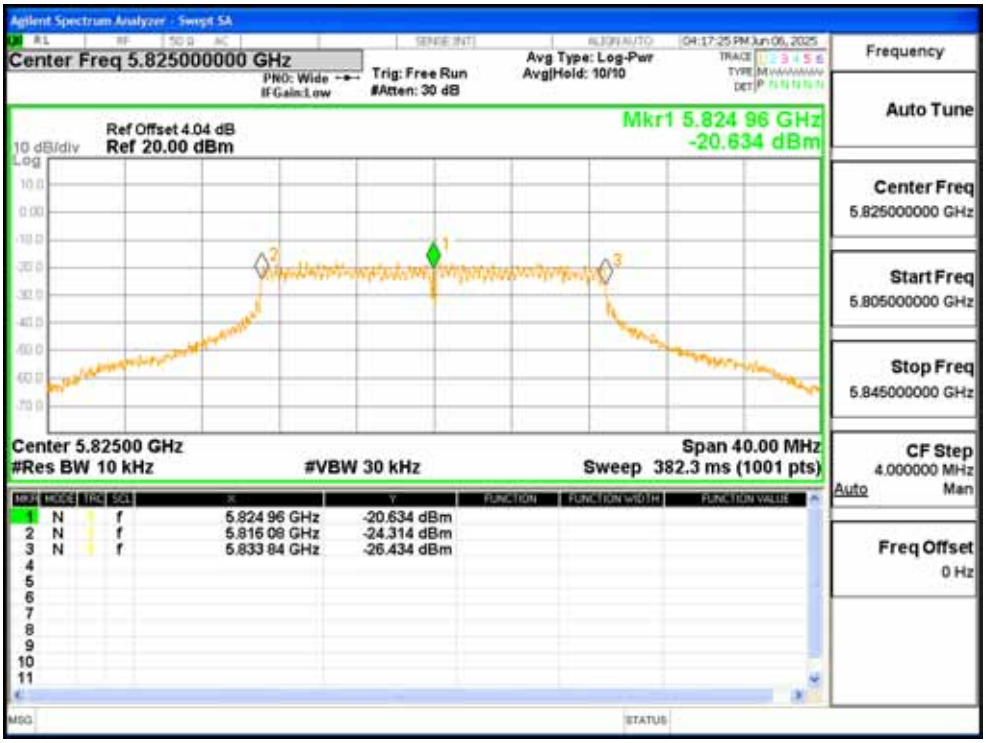
Freq. Stability NVNT ac20 5825MHz Ant1



Freq. Stability NVNT ac40 5755MHz Ant1

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Freq. Stability NVNT ac40 5795MHz Ant1

Freq. Stability NVNT ax20 5745MHz Ant1

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Freq. Stability NVNT ax20 5785MHz Ant1

Freq. Stability NVNT ax20 5825MHz Ant1

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Freq. Stability NVNT ax40 5755MHz Ant1

Freq. Stability NVNT ax40 5795MHz Ant1

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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 mount 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 4.22dBi maximum. (Get from the antenna specification provided the applicant)

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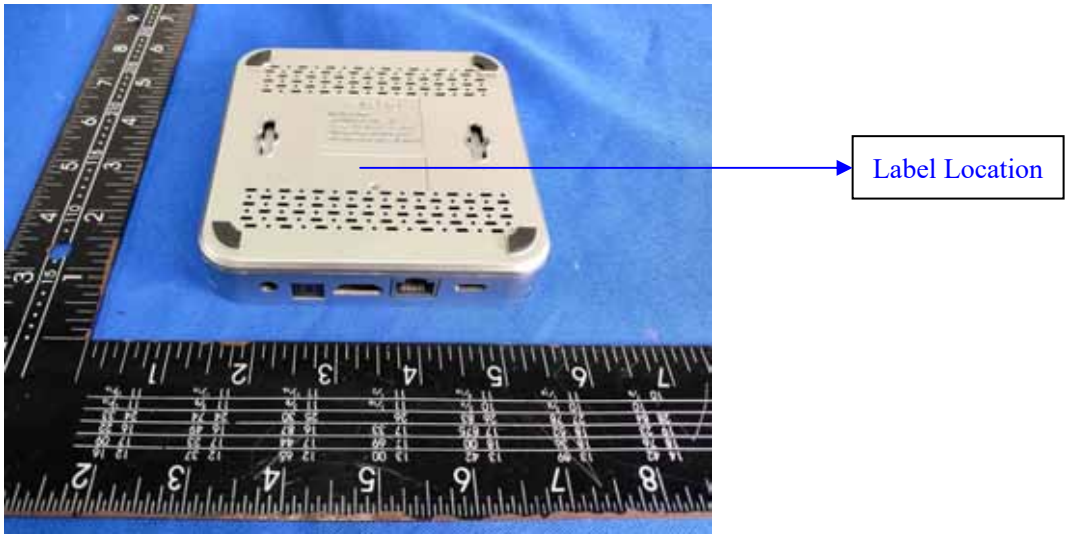
12.0 FCC ID Label

FCC ID: 2A4G812P12S

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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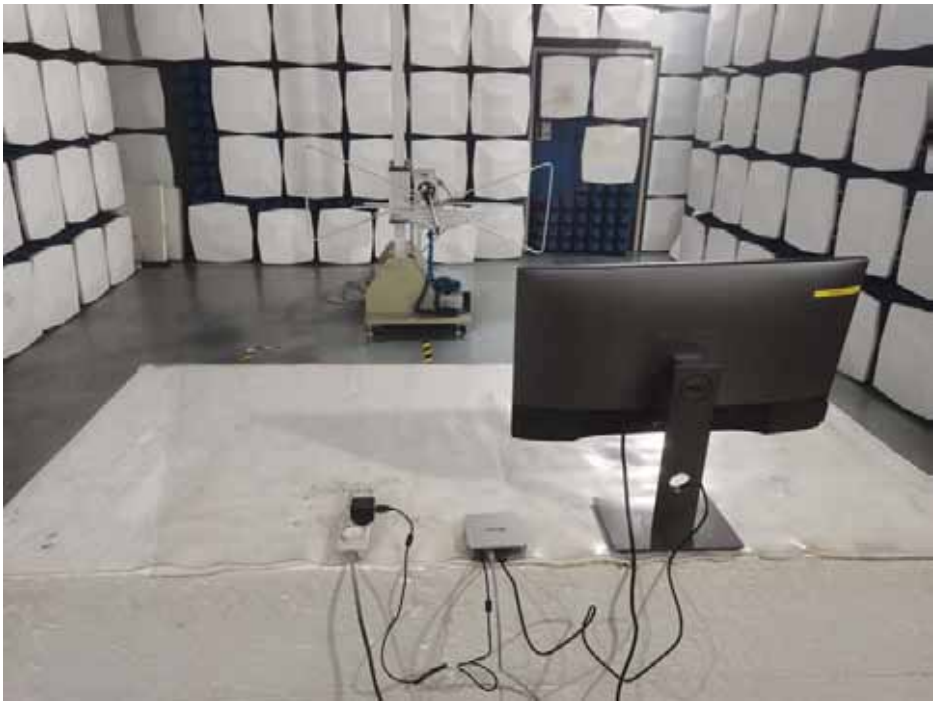
Radiated Emission Test Setup



Photos of EUT

Please see test report TWN2506340-01E

--End of the report--

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