



TEST REPORT

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Manufacturer: Earda Technologies Co.,Ltd
Address of Manufacturer: Block A, LianFeng Creative Industry Park,2 JiSheng Road.,HuangGe Town, NanSha District, Guangzhou, PRC
Product Name: WIFI &BT Module
Model No.: EWN-8822CSE2AA
Trade Mark: N/A
FCC ID: 2AMM6-EWN8822CSE2AA
Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of Test: Aug.28, 2026-Oct.12, 2026
Date of report issued: Oct.13, 2026

Remark:

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The report would be invalid without specific stamp of test institute and the signatures of compiler and approver

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1 Test Summary

Test Item	Section in CFR 47	Result	Test by
Antenna requirement	47CFR part 15.203	Pass	/
AC Power Line Conducted Emission	47CFR part 15.207	Pass	Jason Huang
Conducted Output Power	47CFR part 15.407 (a)(1)/(a)(3)	Pass	Oliver Wang
26dB Bandwidth	47CFR part 15.407 (a)(12)	Pass	Oliver Wang
6dB Bandwidth	47CFR part 15.407 (e)	Pass	Oliver Wang
Power Spectral Density	47CFR part 15.407(a)(1)/(a)(3)	Pass	Oliver Wang
Band Edge	47CFR part 15.407(b)(1)/(b)(4)	Pass	Oliver Wang
Spurious Emission	47CFR part 15.205/15.209 47CFR part 15.407(b)(1)/(b)(4)/(b)(8)	Pass	Jason Huang
Dynamic Frequency Selection (DFS)	RSS-247 §7.3.6	Pass	Oliver Wang

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. DFS Test according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and ANSI C63.4-2014 (methods for DFS compliance)
3. Test according to ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 ,
KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
4. Note: Compliance determination rules
 - 1).The Compliance determination of test results does not take into account measurement uncertainty. Measurement results are determined based on regulatory limitations or requirements specified by the applicant/manufacture. If measurement uncertainty is taken into account, the applicant/manufacture will bear all possible risks of non-compliance.
 - 2).The measurement uncertainty please refer to each test result in the "Measurement Uncertainty"

1.1 Measurement Uncertainty

Test Item	Measurement Uncertainty	Notes
Occupied Channel Bandwidth	0.72%	(1)
RF output power, conducted	±0.67 dB	(1)
Power Spectral Density, conducted	±0.51 dB	(1)
Unwanted Emissions, conducted	±0.64 dB	(1)
AC Power Line Conducted Emission	± 3.38 dB	(1)
Radiated emissions 9K-30MHz	±4.26 dB	(1)
Radiated emissions 30M- 1GHz	±4.88 dB	(1)
Radiated emissions 1GHz-18GHz	± 4.16 dB	(1)
Radiated emissions 18GHz-40GHz	±4.14 dB	(1)
Frequency error	Uc=6X10 ⁻⁷	(1)
Duty Cycle	0.03	(1)
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.		

2 General Information

2.1 General Description of EUT

Product Name:	WIFI & BT Module
Model No.:	EWN-8822CSE2AA
Difference of model(s)	N/A
Test Model:	EWN-8822CSE2AA
Hardware Version:	EWN-8822CSE2AA-1
Software Version:	N/A
Power supply:	DC 12V From adapter with ac 100-240V 50/60Hz
Adapter information:	N/A
Battery:	N/A
Radio Technology:	5G RLAN
Operation Frequency:	☒ 5180-5240MHz for 802.11a/n20/ac20; 5190-5230MHz for 802.11n40/ac40; 5210MHz for 802.11ac80 ☒ 5260-5320MHz for 802.11a/n20/ac20; 5270-5310MHz for 802.11n40/ac40; 5290MHz for 802.11ac80 ☒ 5500-5700 MHz for 802.11a/n20/ac20; 5510-5670 MHz for 802.11n40/ac40; 5530-5610MHz for 802.11 ac80 ☒ 5745-5825 MHz for 802.11a/n20/ac20; 5755-5795 MHz for 802.11n40/ac40; 5775MHz for 802.11 ac80
Channel numbers:	☒ 4 channels for 802.11a/n20/ac20 in the 5180-5240MHz band; 2 channels for 802.11 n40/ac40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; ☒ 4 channels for 802.11a/n20/ac20 in the 5260-5310MHz band; 2 channels for 802.11 n40/ac40 in the 5270-5310MHz band ; 1 channels for 802.11 ac80 in the 5290MHz band ; ☒ 11 channels for 802.11a/n20/ac20 in the 5500-5700MHz band ; 5 channels for 802.11 n40/ac40 in the 5510-5670MHz band ; 2 channels for 802.11 ac80 in the 5530-5610MHz band ☒ 5 channels for 802.11a/n20/ac20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ac40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band
Channel bandwidth:	802.11a/n20/ ac20 : 20MHz 802.11n40/ac40 : 40MHz 802.11ac80: 80MHz
Modulation technology:	Orthogonal Frequency Division Multiplexing (OFDM) with BPSK/QPSK/16QAM/64QAM/256QAM
Antenna Type:	FPC antenna
Antenna transmit mode:	MIMO (2TX, 2RX)
Antenna gain:	5.2G WIFI ANT1:2.16dBi and WIFI ANT2:-1.01dBi MIMO :3.73dBi 5.3G WIFI ANT1:1.76dBi and WIFI ANT2:-1.01dBi MIMO :3.50dBi 5.6G WIFI ANT1:0.57dBi and WIFI ANT2:-3.22dBi MIMO :1.89dBi 5.8G WIFI ANT1:0.58dBi and WIFI ANT2:-3.53dBi MIMO :1.78dBi
<i>Note: 1.For more details, refer to the user's manual of the EUT.</i> <i>2.Antenna information is provided by applicant, Testing lab is not responsible for the accuracy of the information</i> <i>3. MIMO mode: Directional gain = 10 log[(10G1 /20 + 10G2 /20 + ... + 10GN /20)2 /NANT] dBi</i>	

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	38	5190MHz	40	5200MHz	42	5210MHz
44	5220MHz	46	5230MHz	48	5240MHz	/	/
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260MHz	54	5270MHz	56	5280MHz	58	5290MHz
60	5300MHz	62	5310MHz	64	5320MHz		
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
100	5500MHz	102	5510MHz	104	5520MHz	106	5530MHz
108	5540MHz	110	5550MHz	112	5560MHz	116	5580MHz
118	5590MHz	120	5600MHz	122	5610MHz	124	5620MHz
126	5630MHz	128	5640MHz	132	5660MHz	134	5670MHz
136	5680MHz	138	5690MHz	140	5700MHz		
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	151	5755MHz	153	5765MHz	155	5775MHz
157	5785MHz	159	5795MHz	161	5805MHz	/	/
165	5825MHz	/					

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)		
	802.11 a /n20/ac20/	802.11 n40/ac40/	802.11ac80
Lowest channel	5180	5190	5210
Middle channel	5200		
Highest channel	5240	5230	

Test channel	Frequency (MHz)		
	802.11 a /n20/ac20/	802.11 n40/ac40/	802.11ac80
Lowest channel	5260	5270	5290
Middle channel	5280		
Highest channel	5320	5310	

Test channel	Frequency (MHz)		
	802.11 a /n20/ac20/	802.11 n40/ac40/	802.11ac80
Lowest channel	5500	5510	5530
Middle channel	5560	5590	
Highest channel	5700	5670	5610

Test channel	Frequency (MHz)		
	802.11 a /n20/ac20	802.11 n40/ac40	802.11ac80
Lowest channel	5745	5755	5775
Middle channel	5785		
Highest channel	5825	5795	

2.2 Table for Class II Change

Modifications	Performance Checking
Add an FPC antenna XLK-IEC22-RK3568-WFI2-V2.0/XLK-IEC22-RK3568-WFI1-V2.0 (see antenna test report or internal photos for antenna size and gain details)	1. Band Edge 2. Spurious Emission 3. DFS Test 4. AC Power Line Conducted Emission 5. Conducted Output Power 6. 26dB Bandwidth and 99% Occupied Bandwidth 7. 6dB Bandwidth 8. Power Spectral Density 9. Frequency Stability

2.3 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
<i>Remark: the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data...</i>	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11a/n 20/ac20CH36/ CH40/ CH 48 802.11a/n 20/ac20CH52/ CH56/ CH 64 802.11a/n 20/ac20CH100/ CH112/ CH 140 802.11a/n 20/ac 20CH149/ CH157/ CH165
Mode 2	802.11n40/ac40CH38/ CH46 802.11n40/ac40CH54/ CH62 802.11n40/ac40CH 102/CH118/ CH134 802.11n40/ac40CH 151/CH159
Mode 3	802.11 ac80 CH 42/CH 58/CH 106/CH 122/CH155
Mode 4	/

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

2.4 Description of Support Units

No.	Description	Manufacturer	Model	Serial Number
1	Laptop	DELL	Vostro 3520	/
2	Adapter	SOY	SOY-1200500-327	/
3	Router	ASUS	RT-AX58U	FCC ID:MSQ-RTAXJ300

2.5 Test Facility

Test laboratory:	Shenzhen ETR Standard Technology Co., Ltd.
CNAS Registration Number:	L11864
A2LA Certificate Number:	6640.01
FCC Designation Number:	CN1326
FCC Test Firm Registration:	183064
IC Company Number:	28440
IC CAB identifier:	CN0132
Laboratory location:	No.103, No.10, Phase I, Zone 3, Xinxing Industrial Park, Xinhe, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

2.6 Additional Instructions

Test Software	ADB serial port command
Power level setup	Default



3 Test Instruments list

Conducted Emission

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI3	102696	2026.3.05	2027.3.04
2	Artificial power network	schwarabeck	NSLK8127	8127483	2026.3.05	2027.3.04
3	Artificial power network	ETS	3186/2NM	1132	2026.3.05	2027.3.04
4	10dB attenuator	HUBER+SUHNER	10dB	/	2026.3.05	2027.3.04
5	Cable 4	HUBER SUNNER	3M	/	2026.3.05	2027.3.04
6	Absorbing Clamp	schwarabeck	MDS21	D69250	2026.3.05	2027.3.04

Radiated Emission & RF Conducted test:

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101032	2026.3.05	2027.3.04
2	Broadband antenna	schwarabeck	VULB9168	1064	2026.3.11	2028.3.10
3	Horn antenna	schwarabeck	BBHA9120D	9120D-1145	2026.3.08	2028.3.07
4	Amplifier	EMtrace	RP01A	50117	2026.3.05	2027.3.04
5	Amplifier	Space-Dtronics	EWLAN0118G-P40	19113001	2026.3.05	2027.3.04
6	Spectrum analyzer	KEYSIGHT	N9020A	MY55370280	2026.3.05	2027.3.04
7	Power detector meter	MWRFTtest	MW100-PSB	MW201020JYT	2026.3.05	2027.3.04
8	Signal generator	Agilent	N5182A	MY49060455	2026.3.05	2027.3.04
9	Spectrum analyzer	Rohde&schwarz	FSV-40N	102137	2026.3.05	2027.3.04
10	Amplifier	SKET	LNPA_1840-50	SK2019040302	2026.3.05	2027.3.04
11	Horn antenna	schwarabeck	BBHA 9170	946	2026.3.08	2028.3.07
12	Loop antenna	schwarabeck	FMZB 1519 B	128	2026.3.08	2028.3.07
13	Cable 6	HUBER SUNNER	0.5M	/	2026.3.05	2027.3.04
14	Cable7	HUBER SUNNER	2.0M	/	2026.3.05	2027.3.04
15	Cable8	HUBER SUNNER	6.0M	/	2026.3.05	2027.3.04
16	Filter	Xin bo	XBLBQ-GTA29	210410-3-2	2026.3.05	2027.3.04
17	Power Sensor	Keysight	U2021XA	MY54111006	2026.3.05	2027.3.04
18	Temp. & Humidity Chamber	Jiecheng Instrument	QA-LP-80	20160705001	2026/3/06	2027/3/05

Note: the calibration interval of the above test instruments is 12 or 24 months and the calibrations are traceable to international system unit (SI).

Software Name	Manufacturer	Model	Version
RF test software	WCNRFtest	WCN-Regulatory	Ver:26.08.2501
RF test software	MWRFTtest	MTS 8310	V2.0.0.0
Conducted test software	EZ-EMC	Farad	Ver.EMC-CON 3A1.1
Radiated test software	EZ-EMC	Farad	Ver.FA-03A2 RE

4 Test results and Measurement Data

4.1 Antenna requirement

Standard requirement:	47CFR Part 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna:	
The antenna is FPC antenna, the best case gain of the antenna is 5.2G WIFI ANT1:2.16dBi and WIFI ANT2:-1.01dBi/5.3G WIFI ANT1:1.76dBi and WIFI ANT2:-1.01dBi/5.6G WIFI ANT1:0.57dBi and WIFI ANT2:-3.22dBi /5.8G WIFI ANT1:0.58dBi and WIFI ANT2:-3.53dBi, reference to the ET-26084429EP for details.	

4.2 Conducted Emissions

Test Requirement:	47CFR Part 15.207						
Test Method:	ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 §6.2						
Test Frequency Range:	150KHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto						
Limit:	Frequency range (MHz)		Limit (dBuV)				
			Quasi-peak		Average		
	0.15-0.5		66 to 56*		56 to 46*		
	0.5-5		56		46		
	5-30		60		50		
* Decreases with the logarithm of the frequency.							
Test setup:	Reference Plane 40cm LISN AUX Equipment E.U.T 80cm LISN Filter EMI Receiver AC power Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m						
Test procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on conducted measurement.						
Test Instruments:	Refer to section 3.0 for details						
Test mode:	Refer to section 2.2 for details						
Test environment:	Temp.:	26.1°C	Humid.:	54%	Press.:	1012mbar	
Test voltage:	AC 120V 60Hz						
Test results:	Pass						

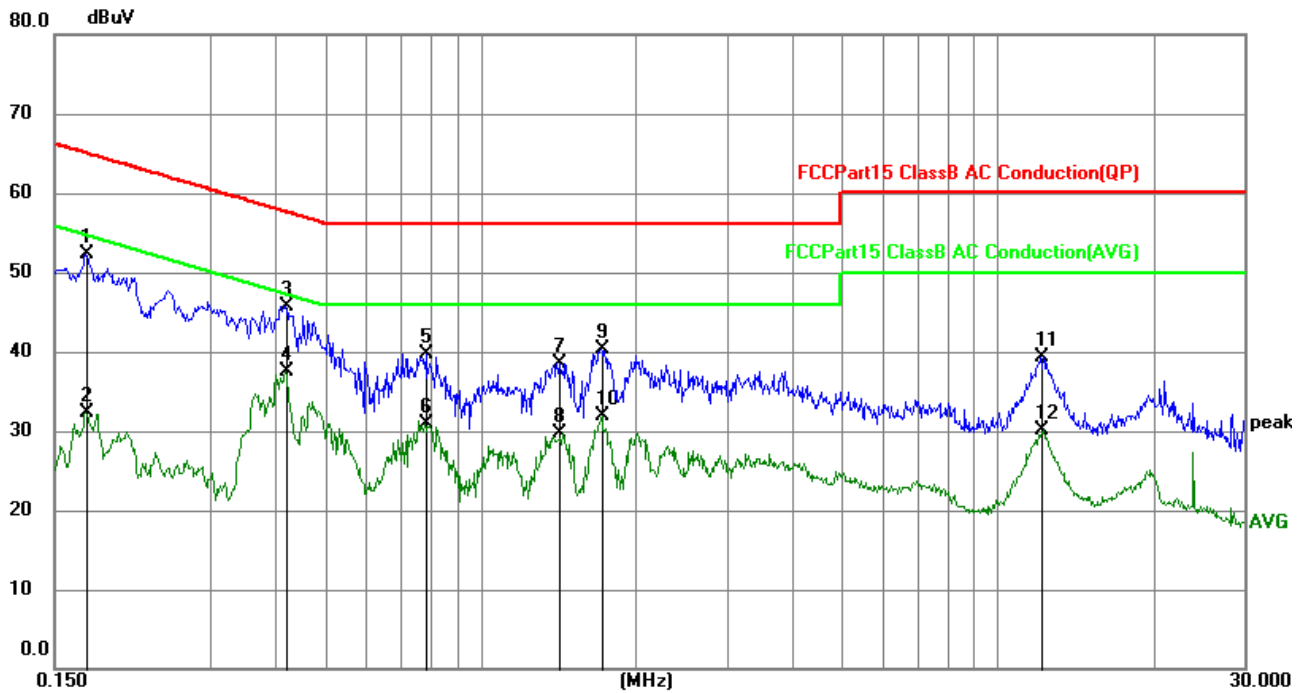
Remark:

1. Both high voltage and low voltage have been tested, and the report only shows the worst case data with AC 120V/60Hz.

2. All mode have been tested, the report only shows the ANT1+ANT2 worst mode (802.11ac20 5180MHz)

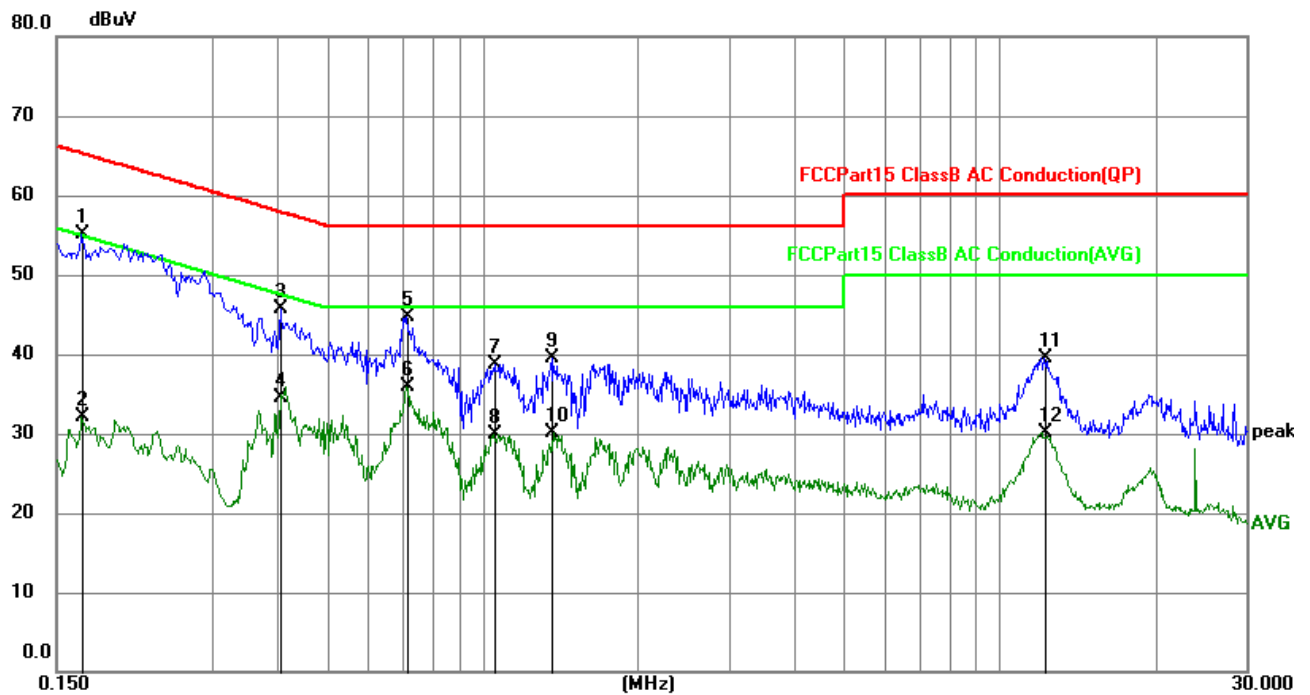
Measurement Result

Line:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1723	42.38	9.97	52.35	64.85	-12.50	QP
2	0.1723	22.38	9.97	32.35	54.85	-22.50	AVG
3	0.4200	35.60	10.05	45.65	57.45	-11.80	QP
4	0.4200	27.54	10.05	37.59	47.45	-9.86	AVG
5	0.7842	29.58	10.09	39.67	56.00	-16.33	QP
6	0.7842	20.78	10.09	30.87	46.00	-15.13	AVG
7	1.4189	28.40	10.05	38.45	56.00	-17.55	QP
8	1.4189	19.63	10.05	29.68	46.00	-16.32	AVG
9	1.7157	30.33	10.03	40.36	56.00	-15.64	QP
10	1.7157	21.94	10.03	31.97	46.00	-14.03	AVG
11	12.1379	29.19	10.05	39.24	60.00	-20.76	QP
12	12.1379	20.04	10.05	30.09	50.00	-19.91	AVG

Neutral:

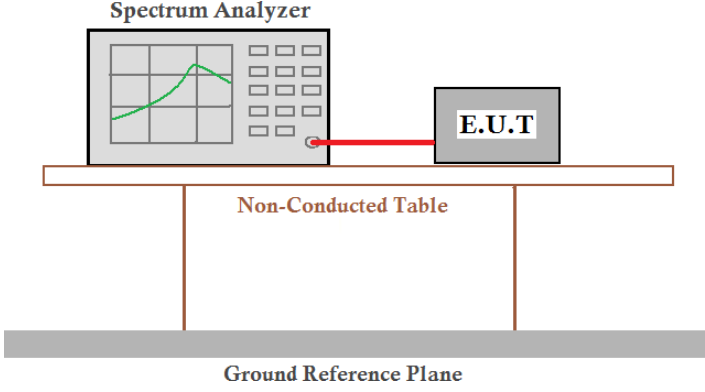


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1680	45.19	9.97	55.16	65.06	-9.90	QP
2	0.1680	22.11	9.97	32.08	55.06	-22.98	AVG
3	0.4062	35.60	10.05	45.65	57.73	-12.08	QP
4	0.4062	24.54	10.05	34.59	47.73	-13.14	AVG
5	0.7124	34.71	10.08	44.79	56.00	-11.21	QP
6	0.7124	25.90	10.08	35.98	46.00	-10.02	AVG
7	1.0544	28.69	10.08	38.77	56.00	-17.23	QP
8	1.0544	19.85	10.08	29.93	46.00	-16.07	AVG
9	1.3649	29.39	10.05	39.44	56.00	-16.56	QP
10	1.3649	20.14	10.05	30.19	46.00	-15.81	AVG
11	12.2187	29.39	10.05	39.44	60.00	-20.56	QP
12	12.2187	20.04	10.05	30.09	50.00	-19.91	AVG

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

4.3 Duty cycle

Test Method :	ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024§ § 12.2	
Limit:	/	
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 22.8°C	Humid.: 46%RH
Test voltage:	DC 12V	
Test results:	Pass	



Measurement Result

5180-5240MHz

ANT1

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

5260-5320MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

Duty cycle factor (dB) = $10 * \log (1 / \text{Duty cycle})$



5500-5700MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

5745-5825 MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11ac40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

Duty cycle factor (dB) = $10 * \log (1 / \text{Duty cycle})$



5180-5240MHz

ANT2

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

5260-5320MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

Duty cycle factor (dB) = $10 * \log (1/ \text{Duty cycle})$



5500-5700MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11a40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

5745-5825 MHz

Mode	Duty cycle (%)	Duty cycle factor (dB)
TX 802.11a Mode	100	0.00
TX 802.11n20 Mode	100	0.00
TX 802.11ac20 Mode	100	0.00
TX 802.11n40 Mode	100	0.00
TX 802.11ac40 Mode	100	0.00
TX 802.11ac80 Mode	100	0.00

Duty cycle factor (dB) = $10 * \log (1 / \text{Duty cycle})$

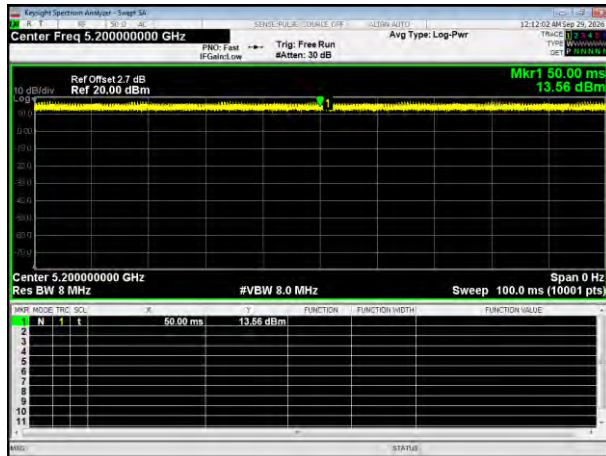


Test plot

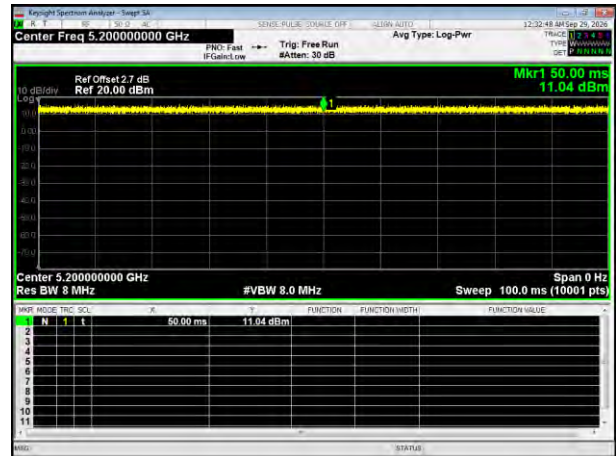
ANT1

5180-5240MHz

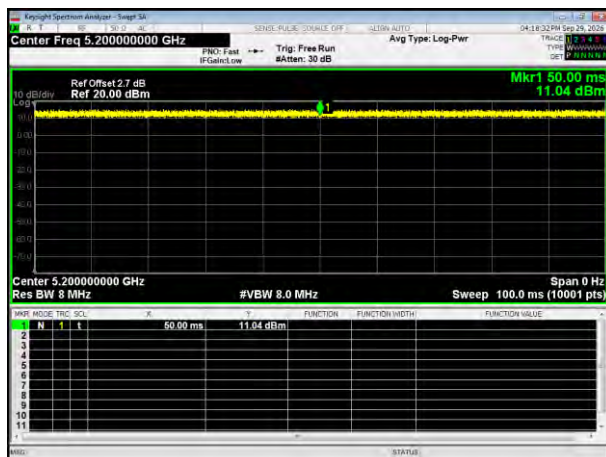
(802.11a) plot



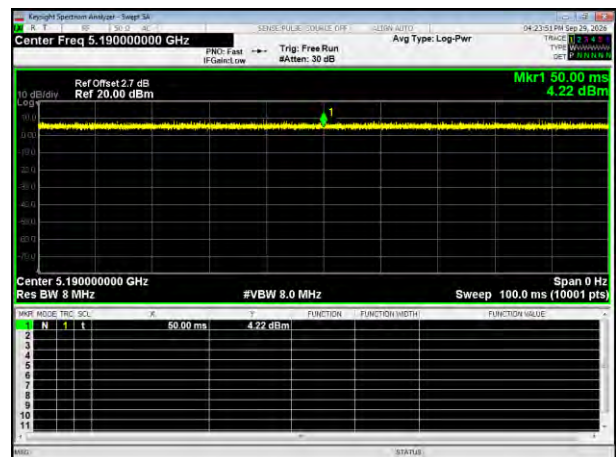
(802.11 n20) plot



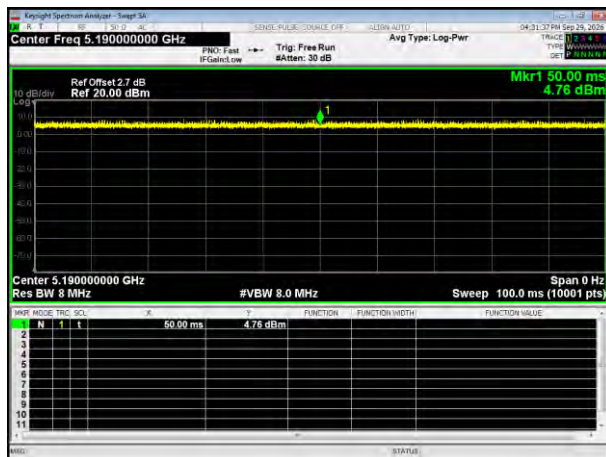
(802.11ac20) plot



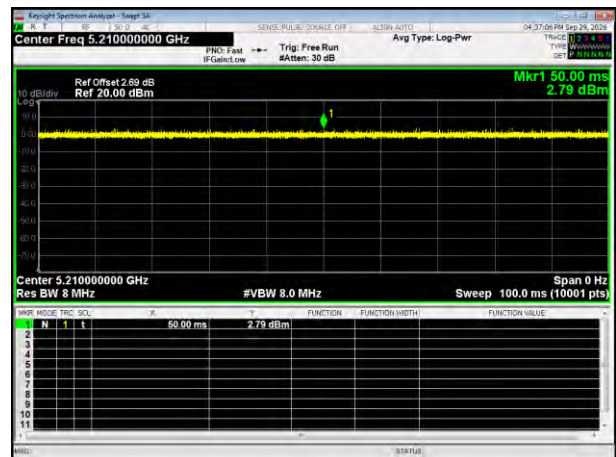
(802.11 n40) plot



(802.11ac40) plot



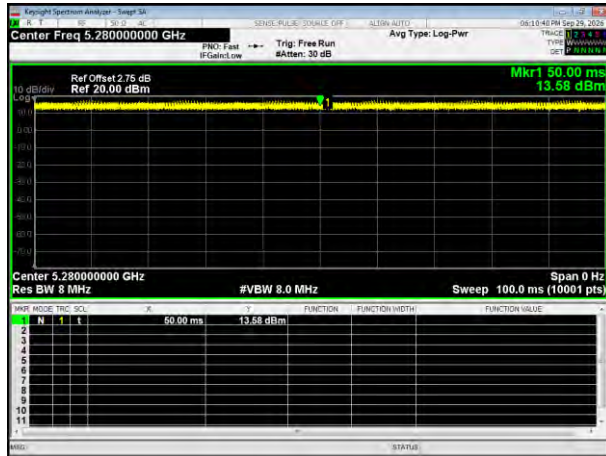
(802.11ac80) plot



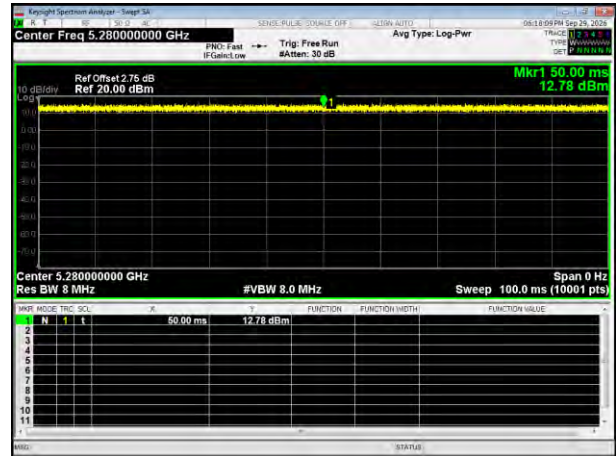


5260-5320 MHz

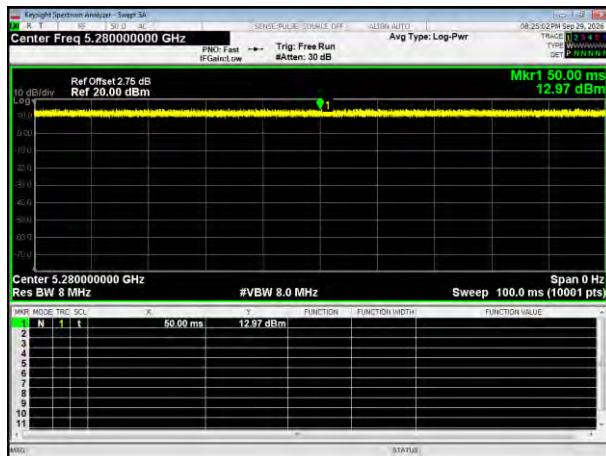
(802.11a) plot



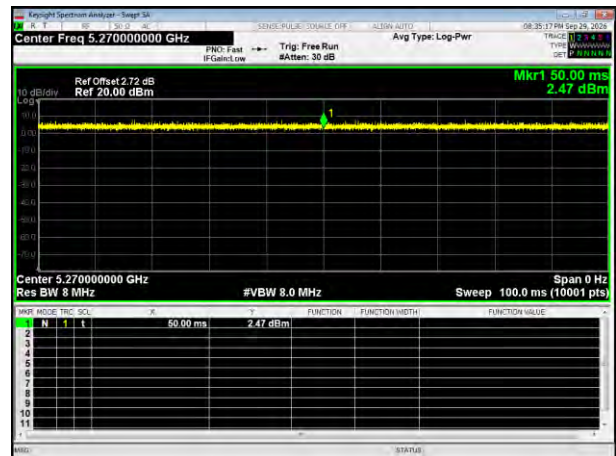
(802.11 n20) plot



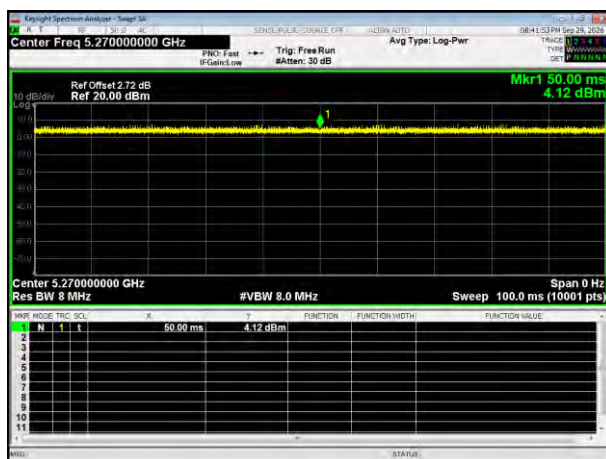
(802.11ac20) plot



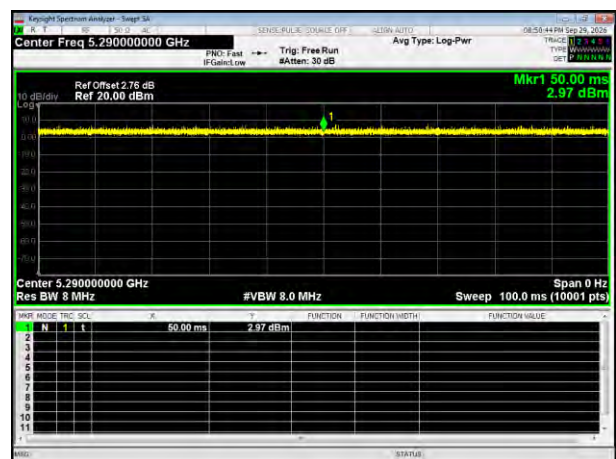
(802.11 n40) plot



(802.11ac40) plot



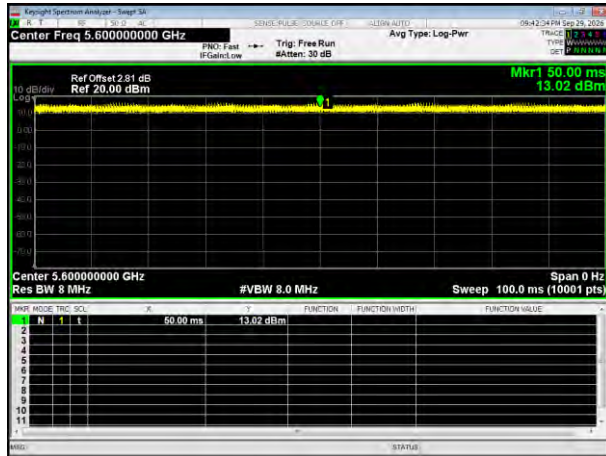
(802.11ac80) plot



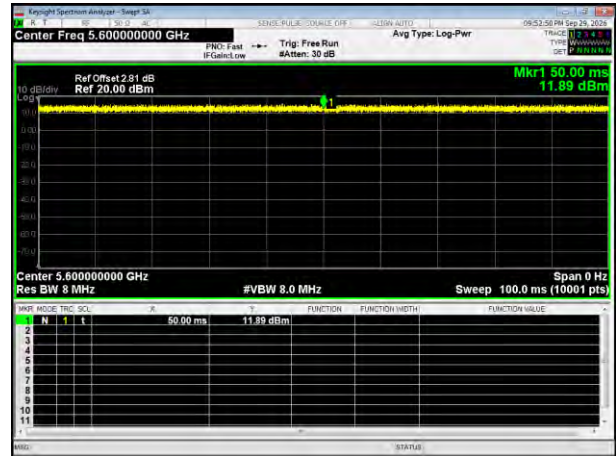


5500-5700 MHz

(802.11a) plot



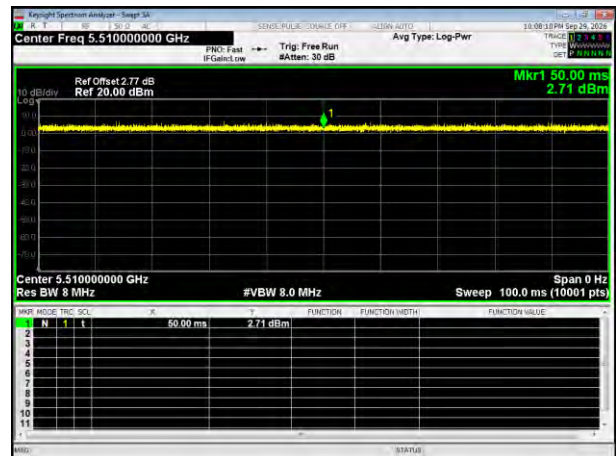
(802.11 n20) plot



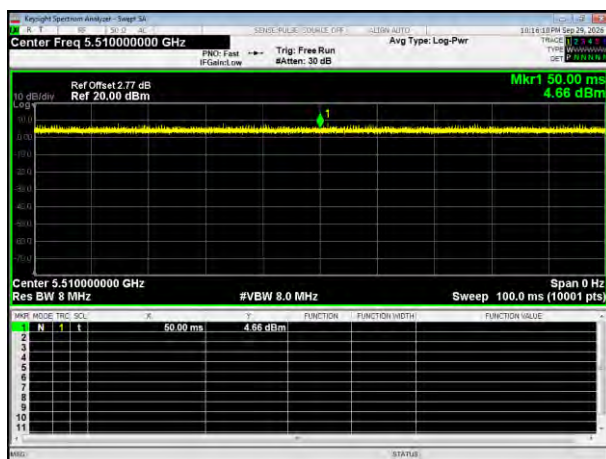
(802.11ac20) plot



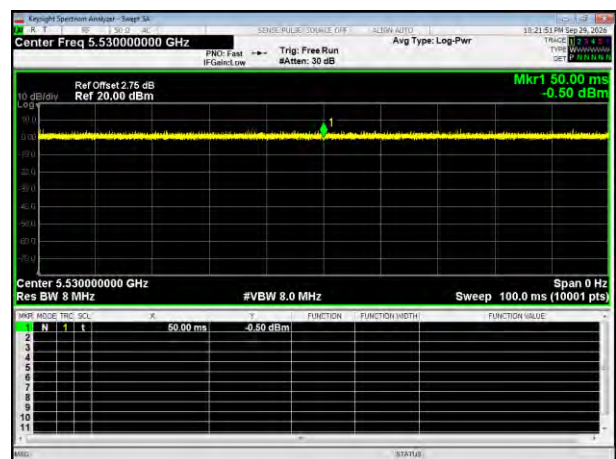
(802.11 n40) plot



(802.11ac40) plot



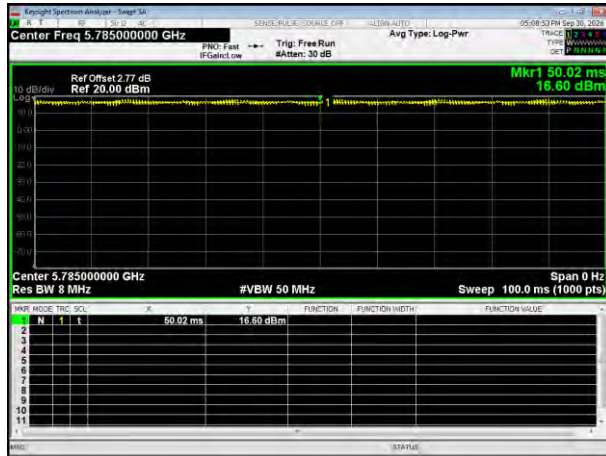
(802.11ac80) plot



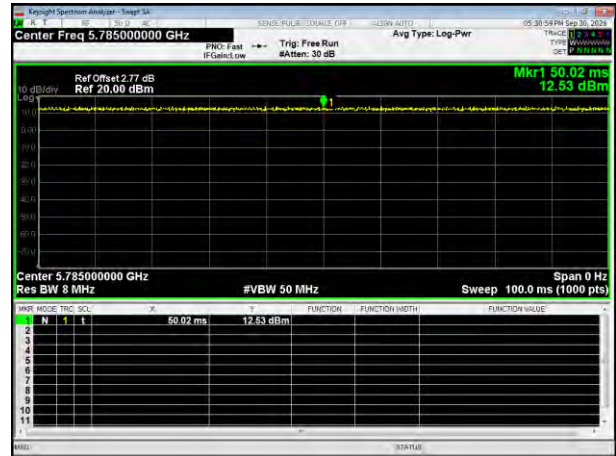


5745-5825 MHz

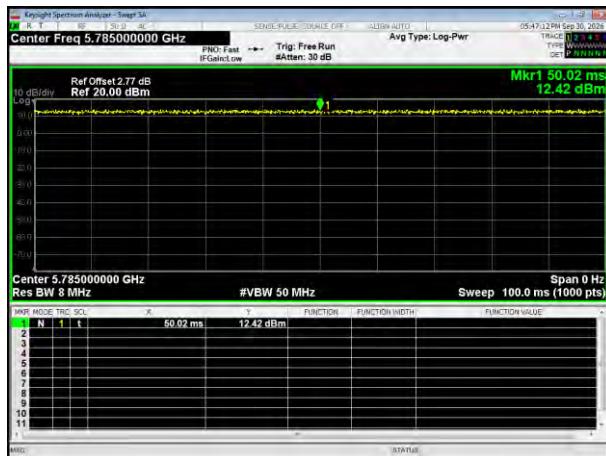
(802.11a) plot



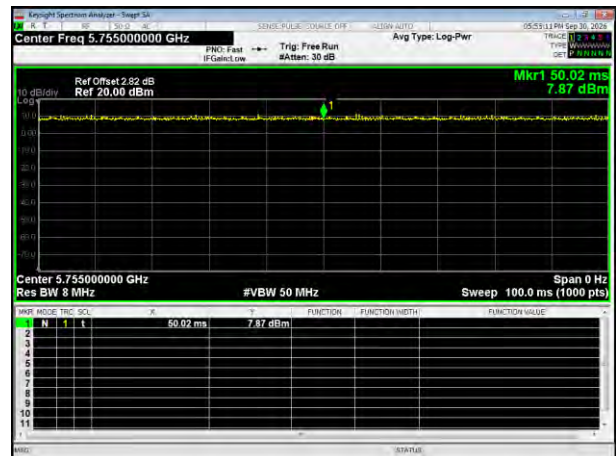
(802.11 n20) plot



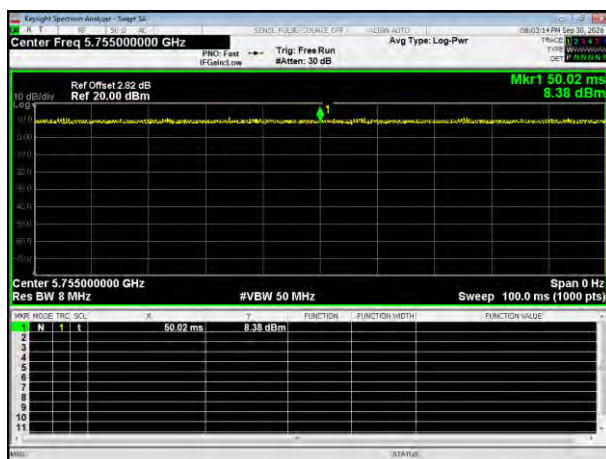
(802.11ac20) plot



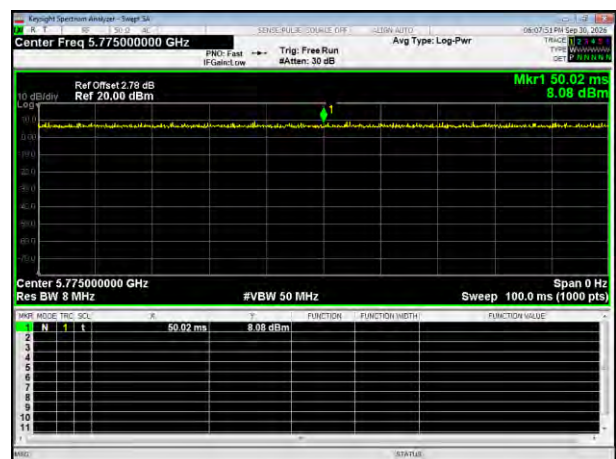
(802.11 n40) plot



(802.11ac40) plot



(802.11ac80) plot



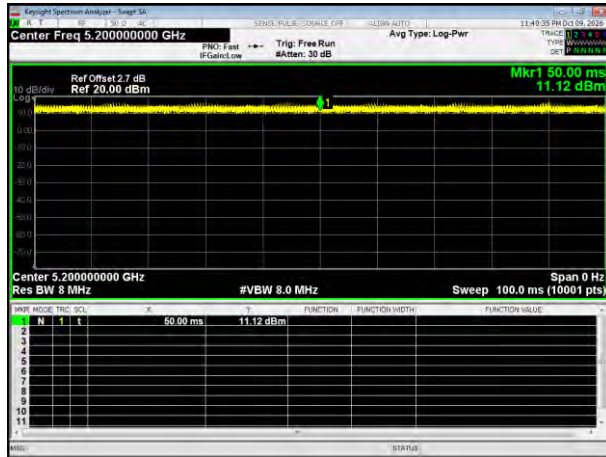


Test plot

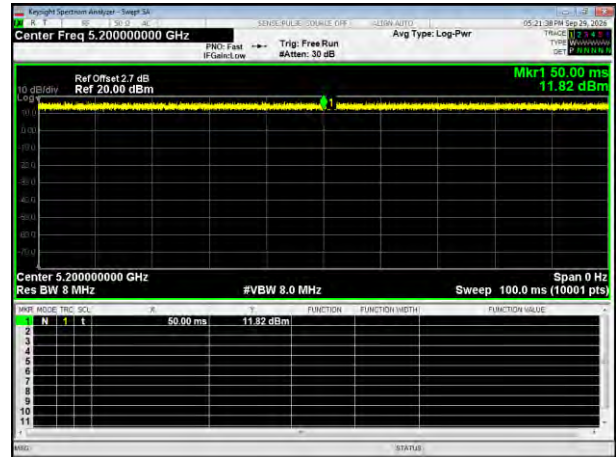
ANT2

5180-5240MHz

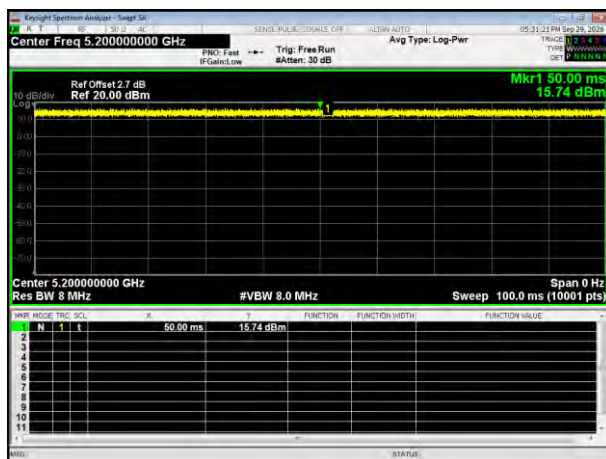
(802.11a) plot



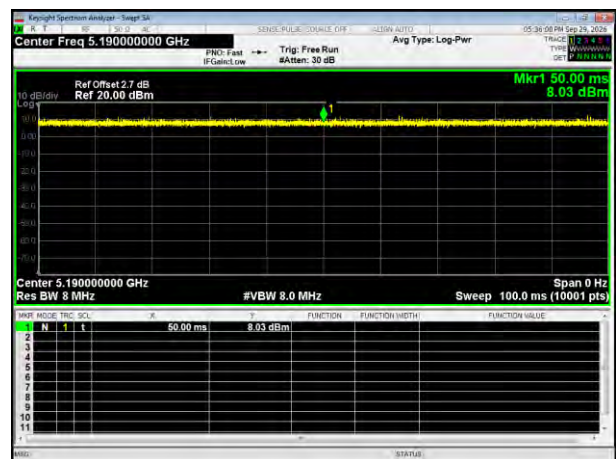
(802.11 n20) plot



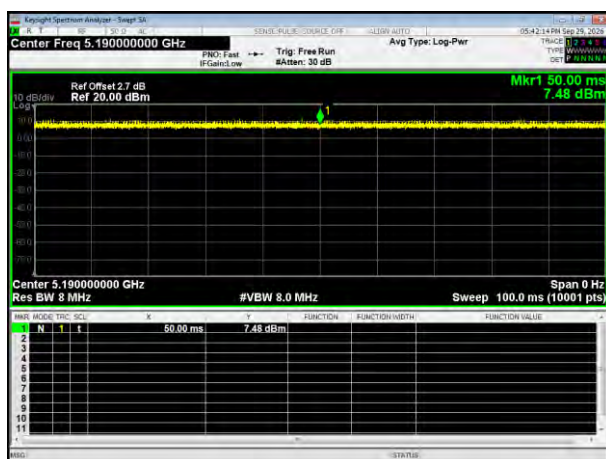
(802.11ac20) plot



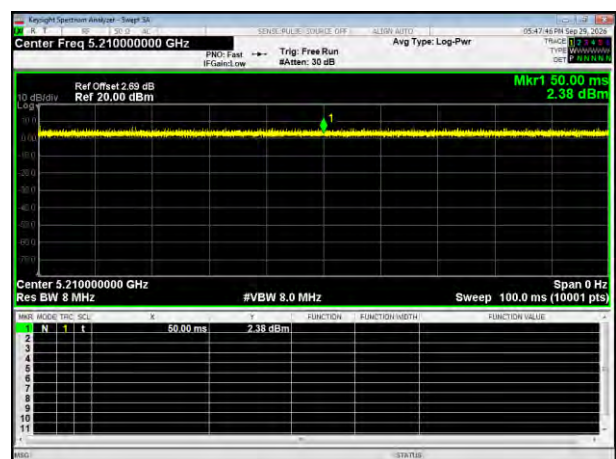
(802.11 n40) plot



(802.11ac40) plot



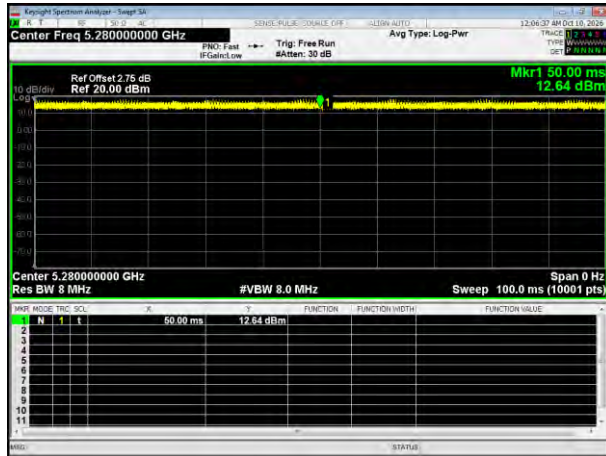
(802.11ac80) plot



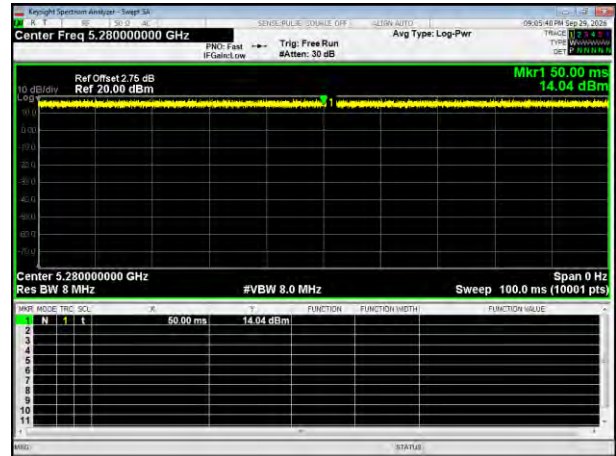


5260-5320 MHz

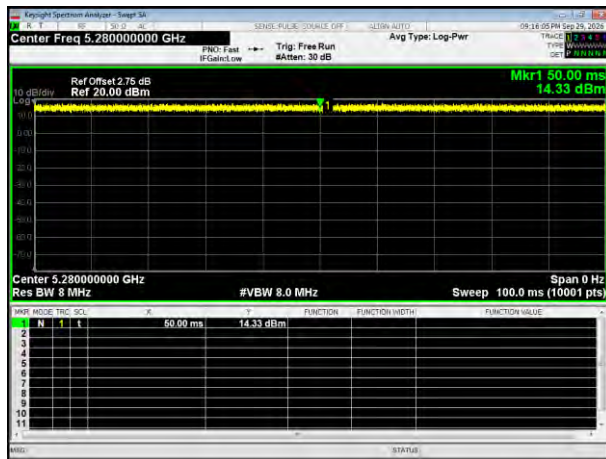
(802.11a) plot



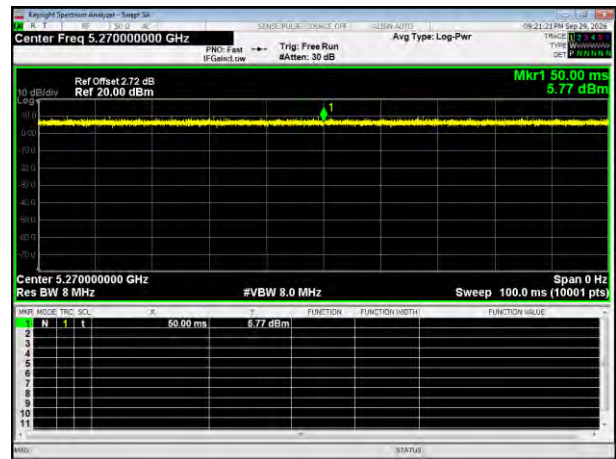
(802.11 n20) plot



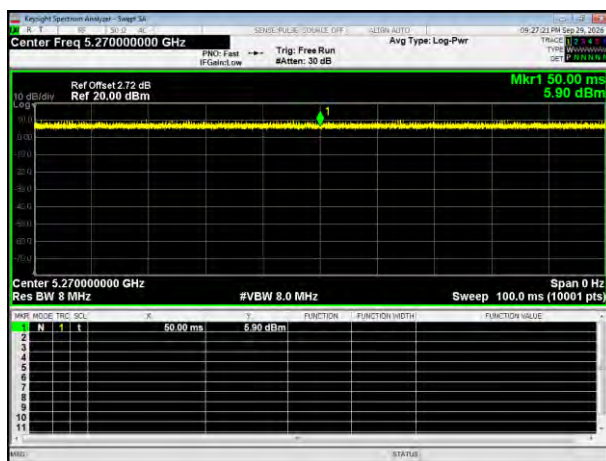
(802.11ac20) plot



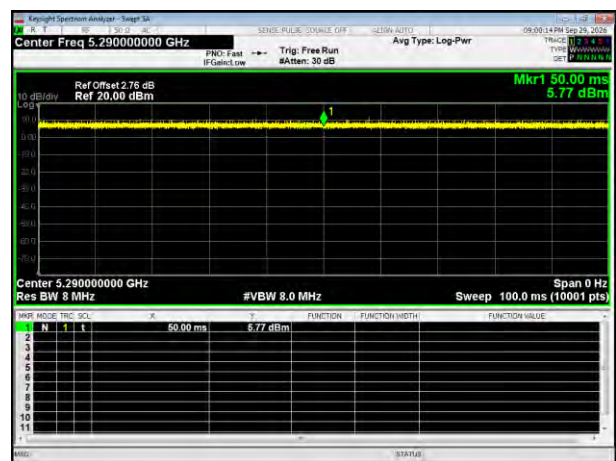
(802.11 n40) plot



(802.11ac40) plot



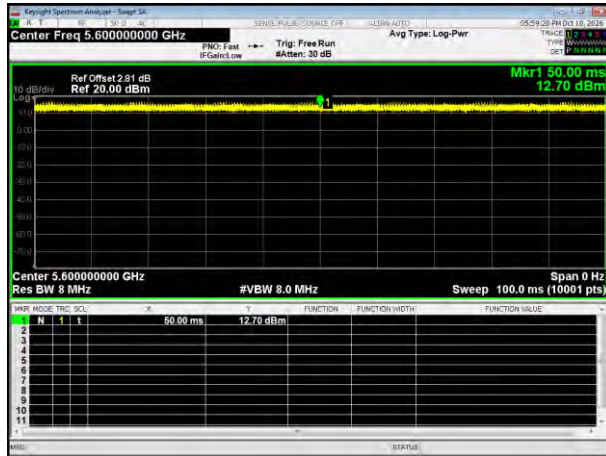
(802.11ac80) plot



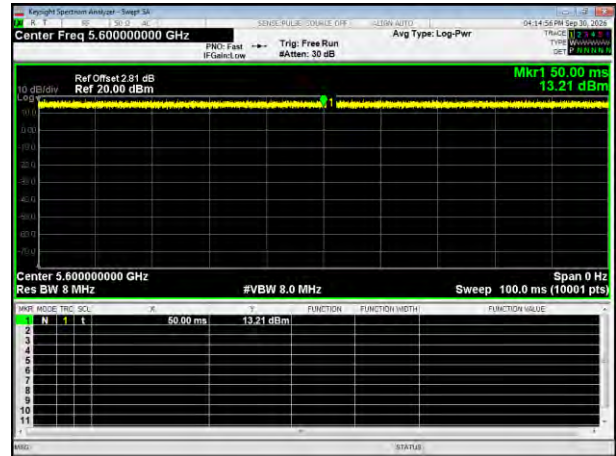


5500-5700 MHz

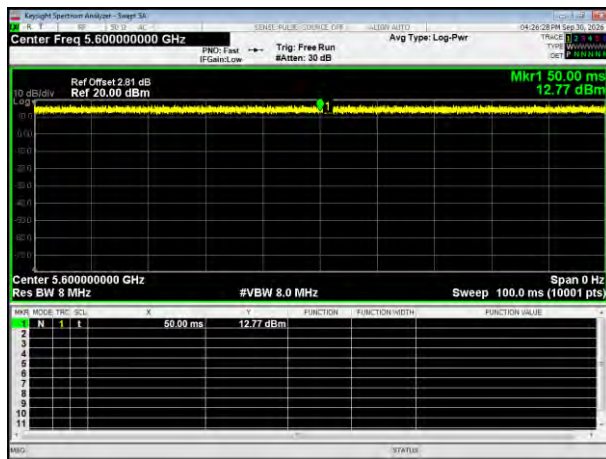
(802.11a) plot



(802.11 n20) plot



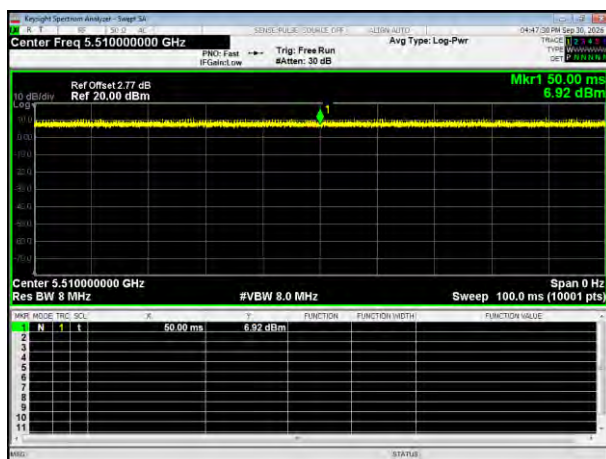
(802.11ac20) plot



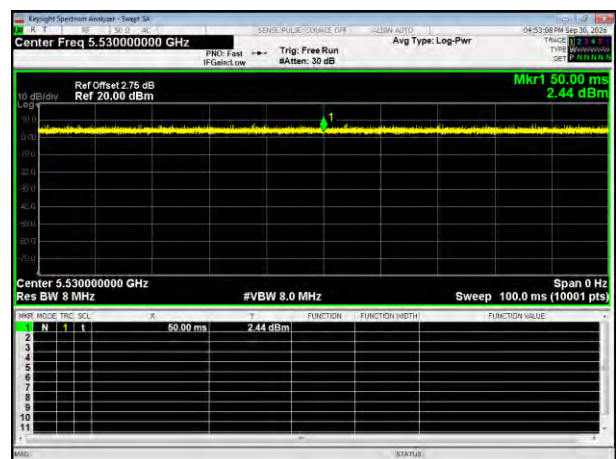
(802.11 n40) plot



(802.11ac40) plot



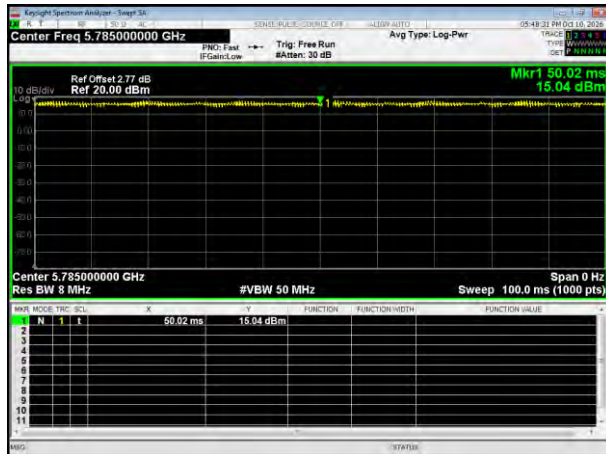
(802.11ac80) plot



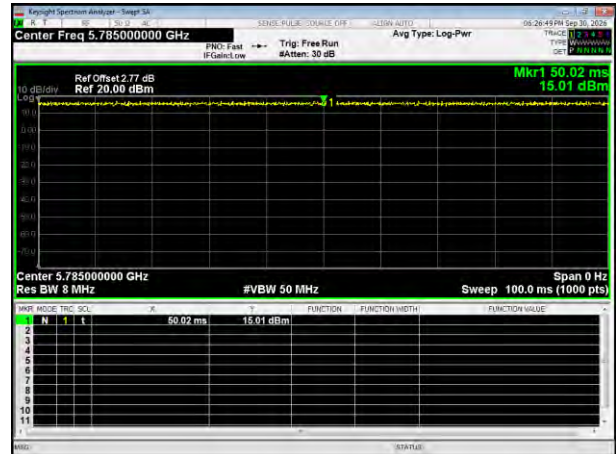


5745-5825 MHz

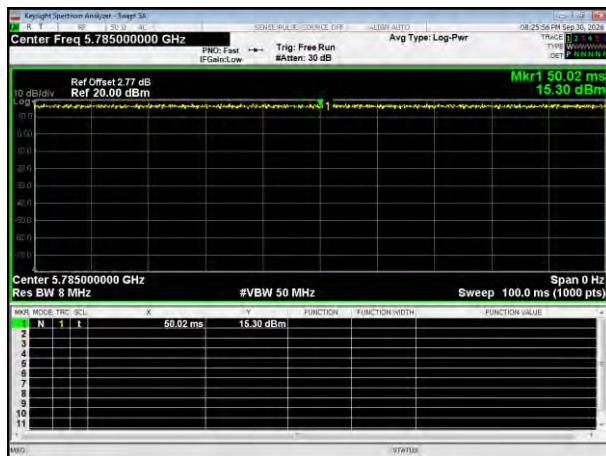
(802.11a) plot



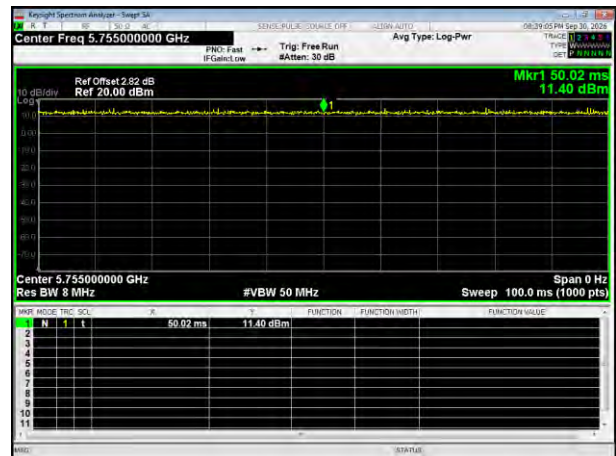
(802.11 n20) plot



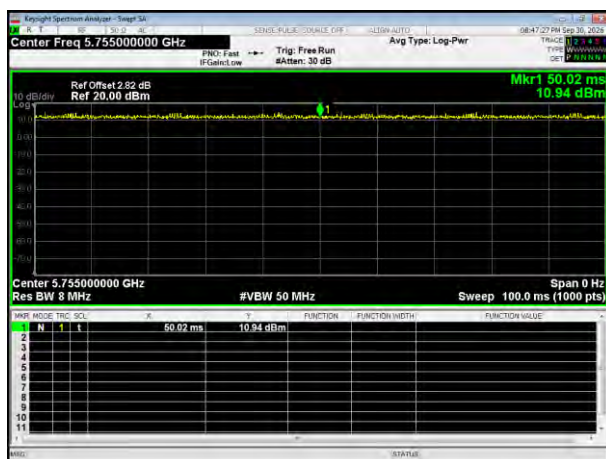
(802.11ac20) plot



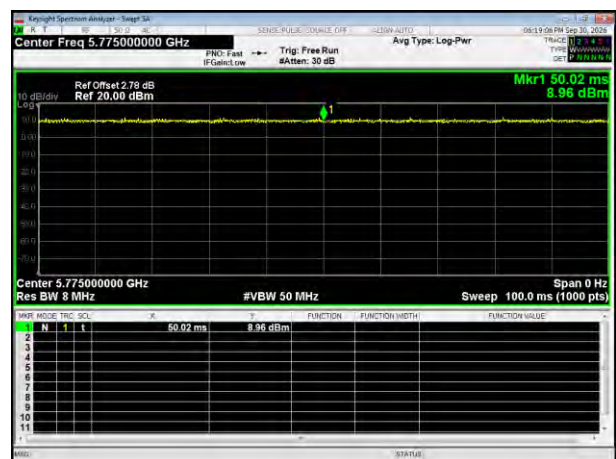
(802.11 n40) plot



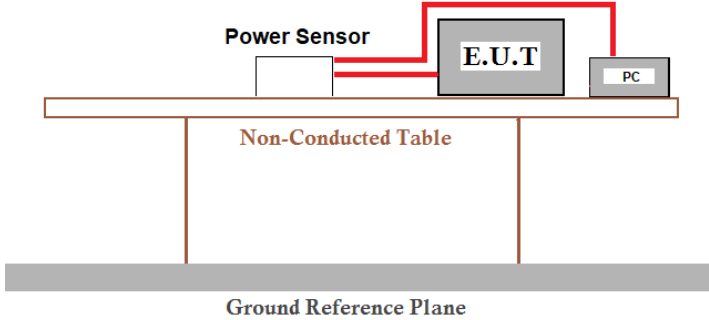
(802.11ac40) plot



(802.11ac80) plot



4.4 Conducted Output Power

Test Requirement:	47CFR Part 15.407 (a)(1)/(a)(3)	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 § 12.4.3.1	
Limit:	5150-5250MHz : e.i.r.p. shall not exceed 250 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. 5250-5350 MHz: conducted output power shall not exceed 250 mW or $10 + 10 \log_{10} B$, dBm, 5500-5700 MHz: conducted output power shall not exceed 250 mW or $10 + 10 \log_{10} B$, dBm, 5725~5850MHz : conducted output power shall not exceed 1 W	
Test setup:		
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 22.3°C	Humid.: 60%RH
Test voltage:	DC 12V	
Test results:	Pass	



Measurement Result

ANT1

5180-5240MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Conducted output power
	(MHz)	(dB)	(dBm)	(dBm)
TX 802.11a Mode				
CH36	5180	0.00	13.01	13.01
CH40	5200	0.00	14.16	14.16
CH48	5240	0.00	13.04	13.04
TX 802.11n20 Mode				
CH36	5180	0.00	9.13	9.13
CH40	5200	0.00	9.88	9.88
CH48	5240	0.00	9.63	9.63
TX 802.11ac20 Mode				
CH36	5180	0.00	9.03	9.03
CH40	5200	0.00	9.12	9.12
CH48	5240	0.00	9.21	9.21
TX 802.11n40 Mode				
CH38	5190	0.00	8.64	8.64
CH46	5230	0.00	9.11	9.11
TX 802.11ac40 Mode				
CH38	5190	0.00	8.85	8.85
CH46	5230	0.00	9.17	9.17
TX 802.11ac80 Mode				
CH42	5210	0.00	6.08	6.08

ANT2

5180-5240MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Conducted output power
	(MHz)	(dB)	(dBm)	(dBm)
TX 802.11a Mode				
CH36	5180	0.00	12.14	12.14
CH40	5200	0.00	12.54	12.54
CH48	5240	0.00	14.54	14.54
TX 802.11n20 Mode				
CH36	5180	0.00	9.28	9.28
CH40	5200	0.00	9.19	9.19
CH48	5240	0.00	9.72	9.72
TX 802.11ac20 Mode				
CH36	5180	0.00	9.89	9.89
CH40	5200	0.00	9.33	9.33
CH48	5240	0.00	9.87	9.87
TX 802.11n40 Mode				
CH38	5190	0.00	9.44	9.44
CH46	5230	0.00	9.93	9.93
TX 802.11ac40 Mode				
CH38	5190	0.00	9.49	9.49
CH46	5230	0.00	9.59	9.59
TX 802.11ac80 Mode				
CH42	5210	0.00	7.04	7.04



ANT1+ANT2

5180-5240MHz

Test Channel	Frequency	Conducted output power ANT1	Conducted output power ANT2	MIMO Conducted output power
	(MHz)	(dBm)	(dBm)	(dBm)
TX 802.11n20 Mode				
CH36	5180	9.13	9.28	12.22
CH40	5200	9.88	9.19	12.55
CH48	5240	9.63	9.72	12.69
TX 802.11ac20 Mode				
CH36	5180	9.03	9.89	12.48
CH40	5200	9.12	9.33	12.24
CH48	5240	9.21	9.87	12.56
TX 802.11n40 Mode				
CH38	5190	8.64	9.44	12.06
CH46	5230	9.11	9.93	12.54
TX 802.11ac40 Mode				
CH38	5190	8.85	9.49	12.19
CH46	5230	9.17	9.59	12.39
TX 802.11ac80 Mode				
CH42	5210	6.08	7.04	9.58



ANT1

5260-5320MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
	TX 802.11a Mode					
CH52	5260	0.00	13.69	13.69	24	Pass
CH56	5280	0.00	14.00	14.00	24	Pass
CH64	5320	0.00	14.39	14.39	24	Pass
	TX 802.11 n20 Mode					
CH52	5260	0.00	11.49	11.49	24	Pass
CH56	5280	0.00	12.95	12.95	24	Pass
CH64	5320	0.00	11.93	11.93	24	Pass
	TX 802.11 ac20 Mode					
CH52	5260	0.00	12.07	12.07	24	Pass
CH56	5280	0.00	11.82	11.82	24	Pass
CH64	5320	0.00	12.22	12.22	24	Pass
	TX 802.11 n40 Mode					
CH54	5270	0.00	7.24	7.24	24	Pass
CH62	5310	0.00	7.52	7.52	24	Pass
	TX 802.11 ac40 Mode					
CH54	5270	0.00	7.37	7.37	24	Pass
CH62	5310	0.00	7.70	7.70	24	Pass
	TX 802.11 ac80 Mode					
CH58	5290	0.00	6.29	6.29	24	Pass

ANT2

5260-5320MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
	TX 802.11a Mode					
CH52	5260	0.00	13.94	13.94	24	Pass
CH56	5280	0.00	14.30	14.30	24	Pass
CH64	5320	0.00	14.44	14.44	24	Pass
	TX 802.11 n20 Mode					
CH52	5260	0.00	13.01	13.01	24	Pass
CH56	5280	0.00	13.42	13.42	24	Pass
CH64	5320	0.00	13.23	13.23	24	Pass
	TX 802.11 ac20 Mode					
CH52	5260	0.00	13.12	13.12	24	Pass
CH56	5280	0.00	13.04	13.04	24	Pass
CH64	5320	0.00	13.25	13.25	24	Pass
	TX 802.11 n40 Mode					
CH54	5270	0.00	8.57	8.57	24	Pass
CH62	5310	0.00	9.36	9.36	24	Pass
	TX 802.11 ac40 Mode					
CH54	5270	0.00	8.09	8.09	24	Pass
CH62	5310	0.00	9.23	9.23	24	Pass
	TX 802.11 ac80 Mode					
CH58	5290	0.00	8.21	8.21	24	Pass



ANT1+ANT2

Test Channel	Frequency	Conducted output power ANT1	Conducted output power ANT2	MIMO Conducte d output power	Limit	Result
	(MHz)	(dBm)	(dBm)	(dBm)	dBm	
	TX 802.11 n20 Mode					
CH52	5260	11.49	13.01	15.29	24	Pass
CH56	5280	12.95	13.42	16.20	24	Pass
CH64	5320	11.93	13.23	15.61	24	Pass
	TX 802.11 ac20 Mode					
CH52	5260	12.07	13.12	15.62	24	Pass
CH56	5280	11.82	13.04	15.46	24	Pass
CH64	5320	12.22	13.25	15.76	24	Pass
	TX 802.11 n40 Mode					
CH54	5270	7.24	8.57	10.94	24	Pass
CH62	5310	7.52	9.36	11.50	24	Pass
	TX 802.11 ac40 Mode					
CH54	5270	7.37	8.09	10.75	24	Pass
CH62	5310	7.7	9.23	11.51	24	Pass
	TX 802.11 ac80 Mode					
CH58	5290	6.29	8.21	10.31	24	Pass



ANT1 5500-5700MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
	TX 802.11a Mode					
CH100	5500	0.00	11.94	11.94	24	Pass
CH120	5600	0.00	12.41	12.41	24	Pass
CH140	5700	0.00	12.27	12.27	24	Pass
	TX 802.11 n20 Mode					
CH100	5500	0.00	12.30	12.30	24	Pass
CH120	5600	0.00	12.73	12.73	24	Pass
CH140	5700	0.00	12.90	12.90	24	Pass
	TX 802.11 ac20 Mode					
CH100	5500	0.00	11.52	11.52	24	Pass
CH120	5600	0.00	12.65	12.65	24	Pass
CH140	5700	0.00	12.10	12.10	24	Pass
	TX 802.11 n40 Mode					
CH102	5510	0.00	6.34	6.34	24	Pass
CH118	5590	0.00	7.21	7.21	24	Pass
CH134	5670	0.00	7.44	7.44	24	Pass
	TX 802.11 ac40 Mode					
CH102	5510	0.00	7.33	7.33	24	Pass
CH118	5590	0.00	7.60	7.60	24	Pass
CH134	5670	0.00	7.45	7.45	24	Pass
	TX 802.11 ac80 Mode					
CH106	5530	0.00	6.76	6.76	24	Pass
CH112	5610	0.00	6.35	6.35	24	Pass



ANT2 5500-5700MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
	TX 802.11a Mode					
CH100	5500	0.00	14.37	14.37	24	Pass
CH120	5600	0.00	13.16	13.16	24	Pass
CH140	5700	0.00	14.43	14.43	24	Pass
	TX 802.11 n20 Mode					
CH100	5500	0.00	14.04	14.04	24	Pass
CH120	5600	0.00	13.17	13.17	24	Pass
CH140	5700	0.00	14.05	14.05	24	Pass
	TX 802.11 ac20 Mode					
CH100	5500	0.00	13.14	13.14	24	Pass
CH120	5600	0.00	12.30	12.30	24	Pass
CH140	5700	0.00	13.03	13.03	24	Pass
	TX 802.11 n40 Mode					
CH102	5510	0.00	8.07	8.07	24	Pass
CH118	5590	0.00	8.22	8.22	24	Pass
CH134	5670	0.00	7.35	7.35	24	Pass
	TX 802.11 ac40 Mode					
CH102	5510	0.00	9.96	9.96	24	Pass
CH118	5590	0.00	8.10	8.10	24	Pass
CH134	5670	0.00	8.70	8.70	24	Pass
	TX 802.11 ac80 Mode					
CH106	5530	0.00	8.03	8.03	24	Pass
CH112	5610	0.00	7.28	7.28	24	Pass

ANT1+ANT2 5500-5700MHz

Test Channel	Frequency	Conducted output power ANT1	Conducted output power ANT2	MIMO Conducted output power	Limit	Result
	(MHz)	(dBm)	(dBm)	(dBm)	dBm	
	TX 802.11 n20 Mode					
CH100	5500	12.30	14.04	16.22	24	Pass
CH120	5600	12.73	13.17	15.96	24	Pass
CH140	5700	12.90	14.05	16.50	24	Pass
	TX 802.11 ac20 Mode					
CH100	5500	11.52	13.14	15.38	24	Pass
CH120	5600	12.65	12.30	15.49	24	Pass
CH140	5700	12.10	13.03	15.59	24	Pass
	TX 802.11 n40 Mode					
CH102	5510	6.34	8.07	10.26	24	Pass
CH118	5590	7.21	8.22	10.74	24	Pass
CH134	5670	7.44	7.35	10.41	24	Pass
	TX 802.11 ac40 Mode					
CH102	5510	7.33	9.96	11.75	24	Pass
CH118	5590	7.60	8.10	10.86	24	Pass
CH134	5670	7.45	8.70	11.11	24	Pass
	TX 802.11 ac80 Mode					
CH106	5530	6.76	8.03	10.43	24	Pass
CH112	5610	6.35	7.28	9.84	24	Pass



ANT1

5745-5825 MHz

Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
TX 802.11a Mode						
CH149	5745	0.00	13.66	13.66	30	Pass
CH157	5785	0.00	14.41	14.41	30	Pass
CH165	5825	0.00	13.16	13.16	30	Pass
TX 802.11 n20 Mode						
CH149	5745	0.00	11.32	11.32	30	Pass
CH157	5785	0.00	11.07	11.07	30	Pass
CH165	5825	0.00	10.11	10.11	30	Pass
TX 802.11 ac20 Mode						
CH149	5745	0.00	10.36	10.36	30	Pass
CH157	5785	0.00	11.08	11.08	30	Pass
CH165	5825	0.00	10.44	10.44	30	Pass
TX 802.11 n40 Mode						
CH151	5755	0.00	10.44	10.44	30	Pass
CH159	5795	0.00	11.45	11.45	30	Pass
TX 802.11 ac40 Mode						
CH151	5755	0.00	11.05	11.05	30	Pass
CH159	5795	0.00	10.91	10.91	30	Pass
TX 802.11 ac80 Mode						
CH155	5775	0.00	11.22	11.22	30	Pass

ANT2

5745-5825 MHz

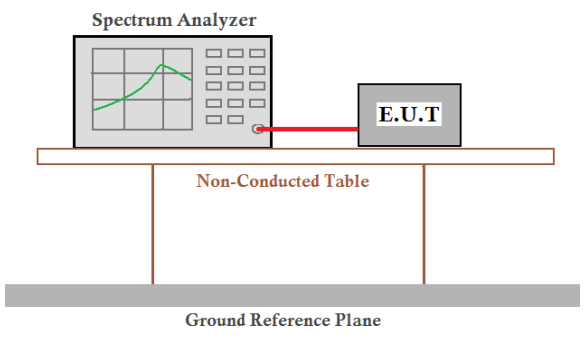
Test Channel	Frequency	Duty cycle factor	Conducted output power	Maximum Power	Limit	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
TX 802.11a Mode						
CH149	5745	0.00	13.22	13.22	30	Pass
CH157	5785	0.00	14.09	14.09	30	Pass
CH165	5825	0.00	12.37	12.37	30	Pass
TX 802.11 n20 Mode						
CH149	5745	0.00	12.25	12.25	30	Pass
CH157	5785	0.00	12.06	12.06	30	Pass
CH165	5825	0.00	12.70	12.70	30	Pass
TX 802.11 ac20 Mode						
CH149	5745	0.00	11.95	11.95	30	Pass
CH157	5785	0.00	13.89	13.89	30	Pass
CH165	5825	0.00	12.10	12.10	30	Pass
TX 802.11 n40 Mode						
CH151	5755	0.00	11.93	11.93	30	Pass
CH159	5795	0.00	12.21	12.21	30	Pass
TX 802.11 ac40 Mode						
CH151	5755	0.00	12.11	12.11	30	Pass
CH159	5795	0.00	12.97	12.97	30	Pass
TX 802.11 ac80 Mode						
CH155	5775	0.00	12.21	12.21	30	Pass



ANT1+ANT2
5745-5825 MHz

Test Channel	Frequency	Conducted output power ANT1	Conducted output power ANT2	MIMO Conducted output power	Limit	Result
	(MHz)	(dBm)	(dBm)	(dBm)	dBm	
TX 802.11 n20 Mode						
CH149	5745	11.32	14.25	15.92	30	Pass
CH157	5785	11.07	14.06	15.70	30	Pass
CH165	5825	10.11	13.7	15.10	30	Pass
TX 802.11 ac20 Mode						
CH149	5745	10.36	13.95	15.35	30	Pass
CH157	5785	11.08	14.89	16.20	30	Pass
CH165	5825	10.44	14.10	15.47	30	Pass
TX 802.11 n40 Mode						
CH151	5755	10.44	13.93	15.37	30	Pass
CH159	5795	11.45	14.21	15.95	30	Pass
TX 802.11 ac40 Mode						
CH151	5755	11.05	14.11	15.72	30	Pass
CH159	5795	10.91	13.97	15.58	30	Pass
TX 802.11 ac80 Mode						
CH155	5775	11.22	12.21	14.74	30	Pass

4.5 Occupy Bandwidth

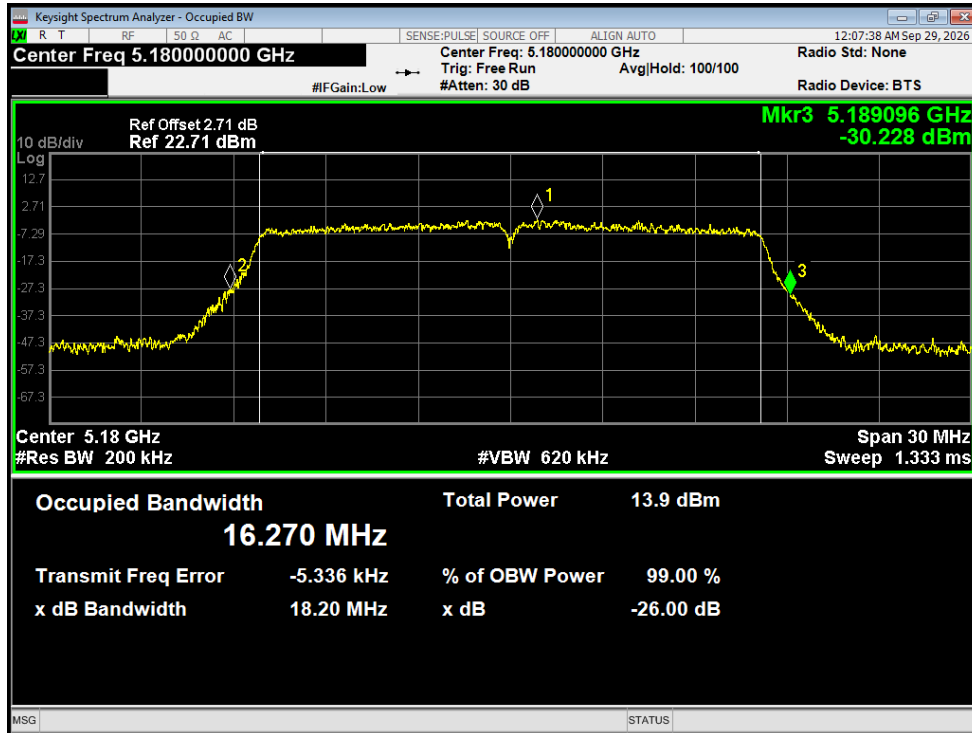
Test Requirement:	47CFR Part 15.407(a)(12)&15.407(e),	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01, ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024§12.5	
Limit:	Measurements in the 5.725-5.85 GHz band, the minimum bandwidth 6 dB bandwidth of U-NII devices shall be at least 500KHz. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.	
Test setup:		
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 22.3°C	Humid.: 60%RH
Test voltage:	DC 12V	
Test results:	Pass	

Measurement Result

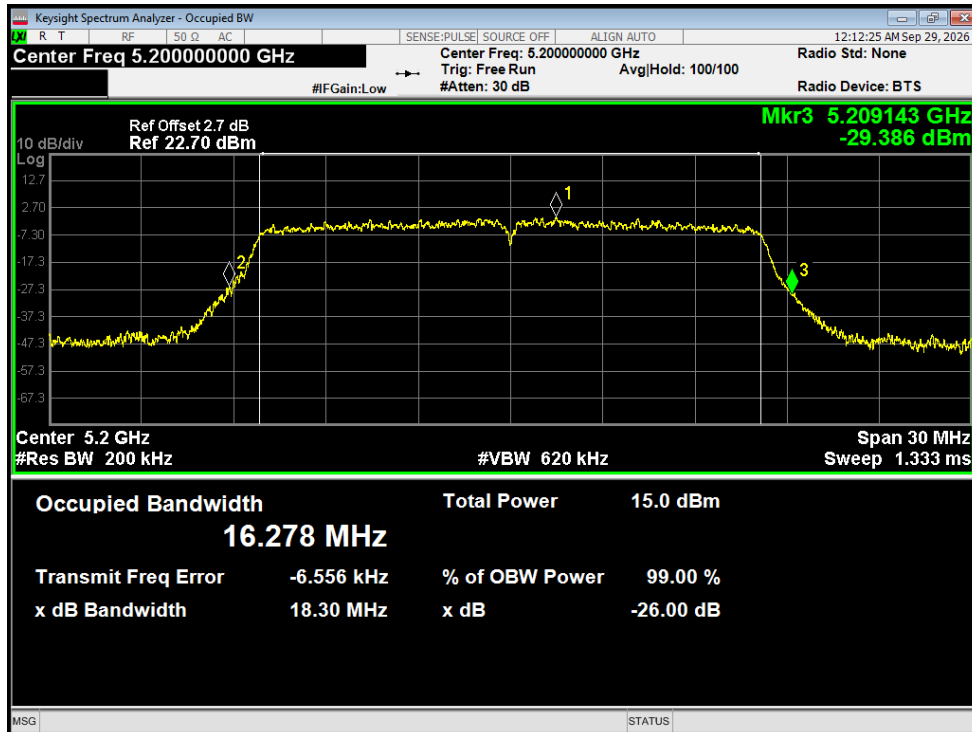
5180-5240MHz

Test CH	-26dB Channel Bandwidth (MHz)						Result
	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80	
Lowest	18.20	19.20	19.20	38.73	38.83	--	Pass
Middle	18.30	19.26	18.95	--	--	80.75	
Highest	18.18	19.23	19.25	38.88	38.76	--	

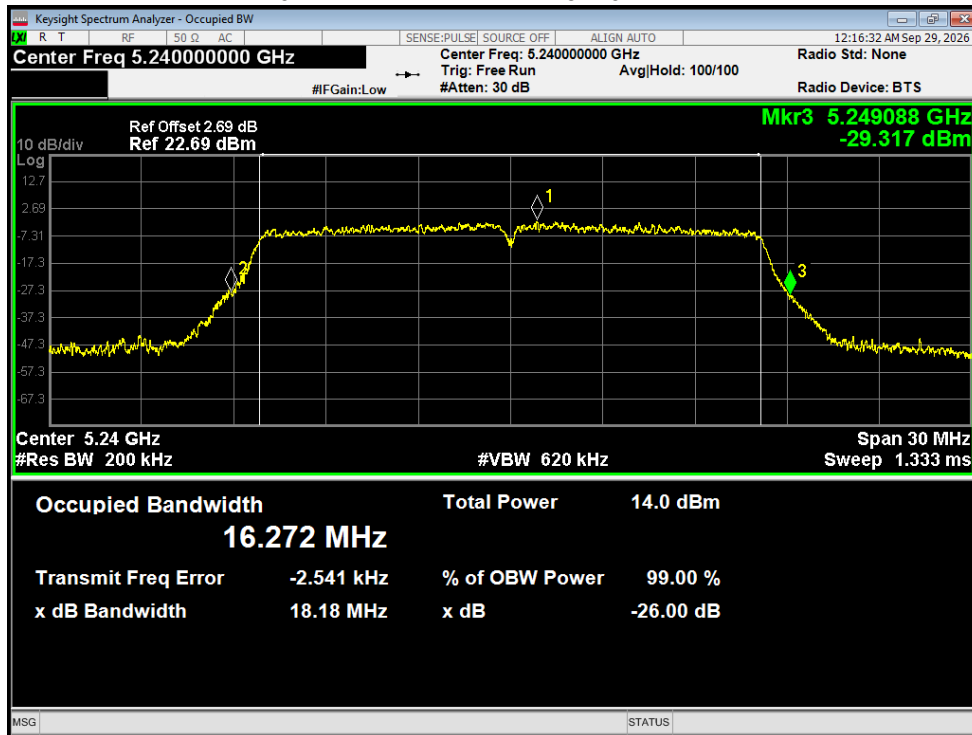
-26dB Bandwidth NVNT a 5180MHz Ant1



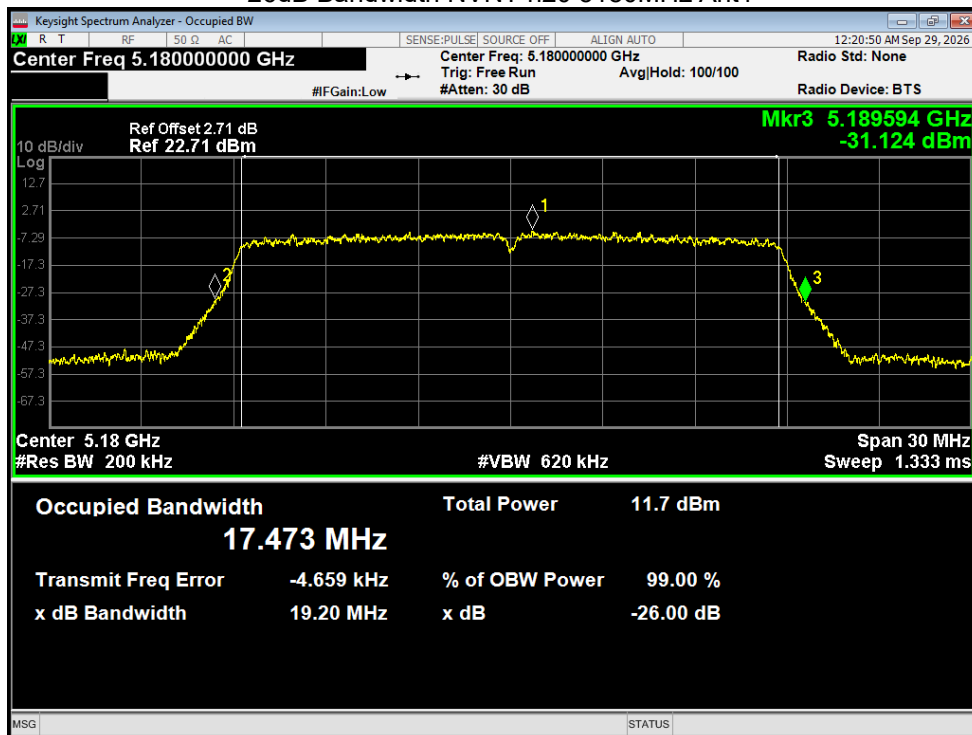
-26dB Bandwidth NVNT a 5200MHz Ant1



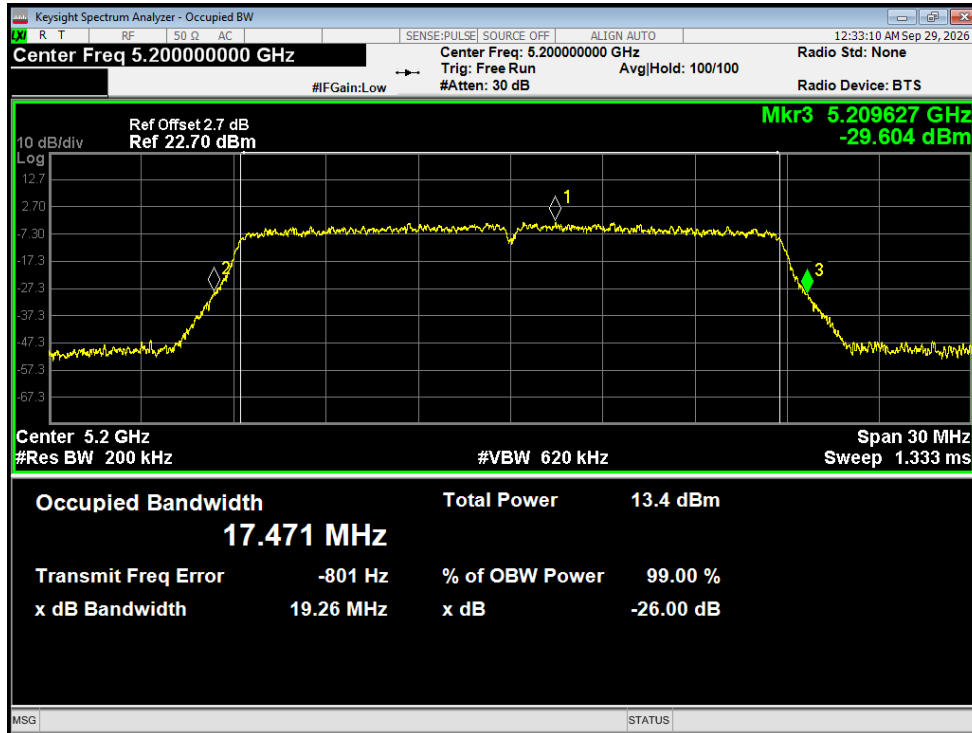
-26dB Bandwidth NVNT a 5240MHz Ant1



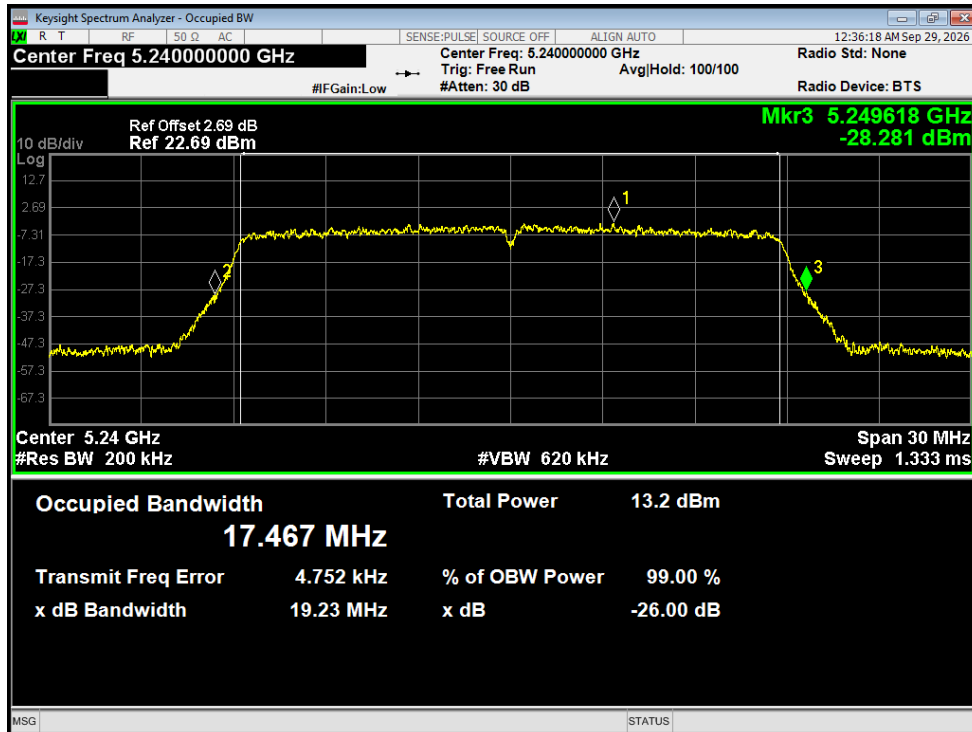
-26dB Bandwidth NVNT n20 5180MHz Ant1



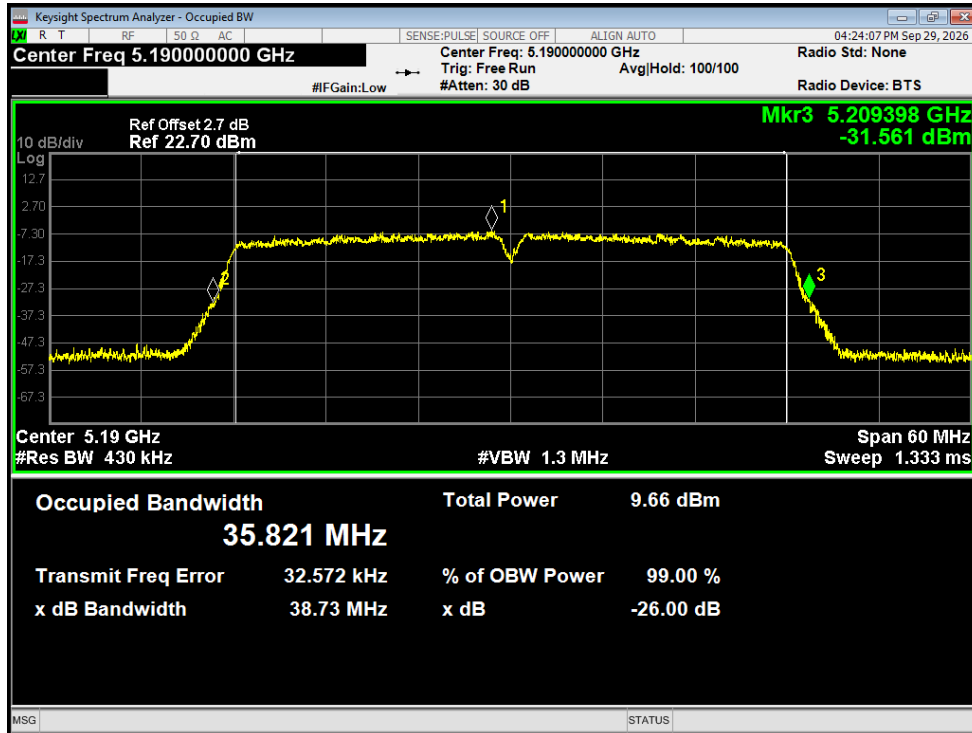
-26dB Bandwidth NVNT n20 5200MHz Ant1



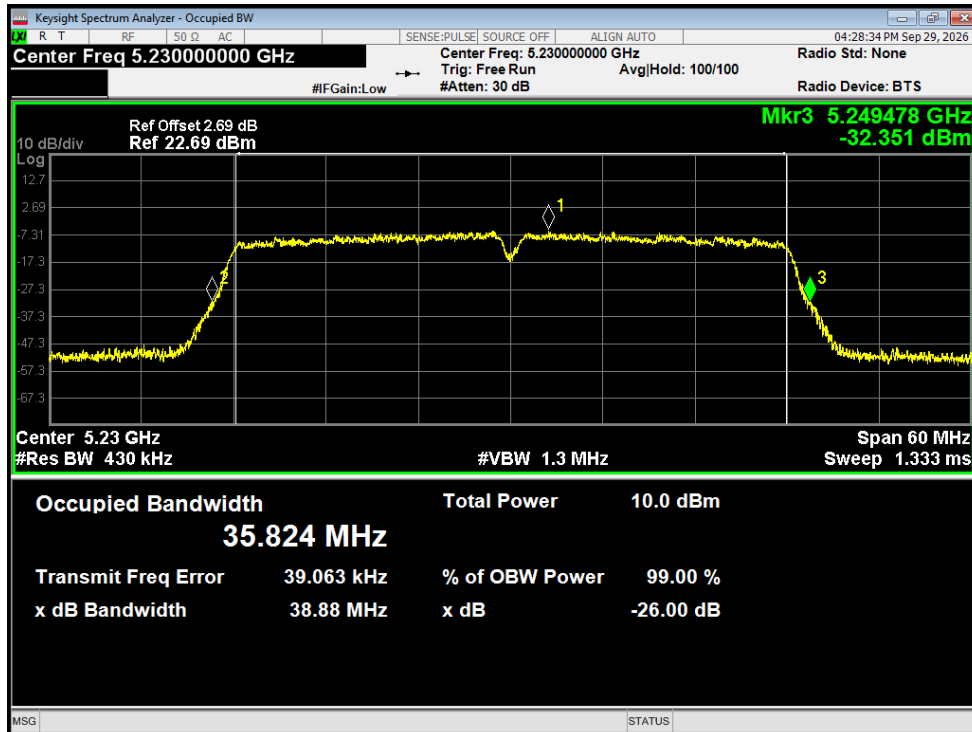
-26dB Bandwidth NVNT n20 5240MHz Ant1



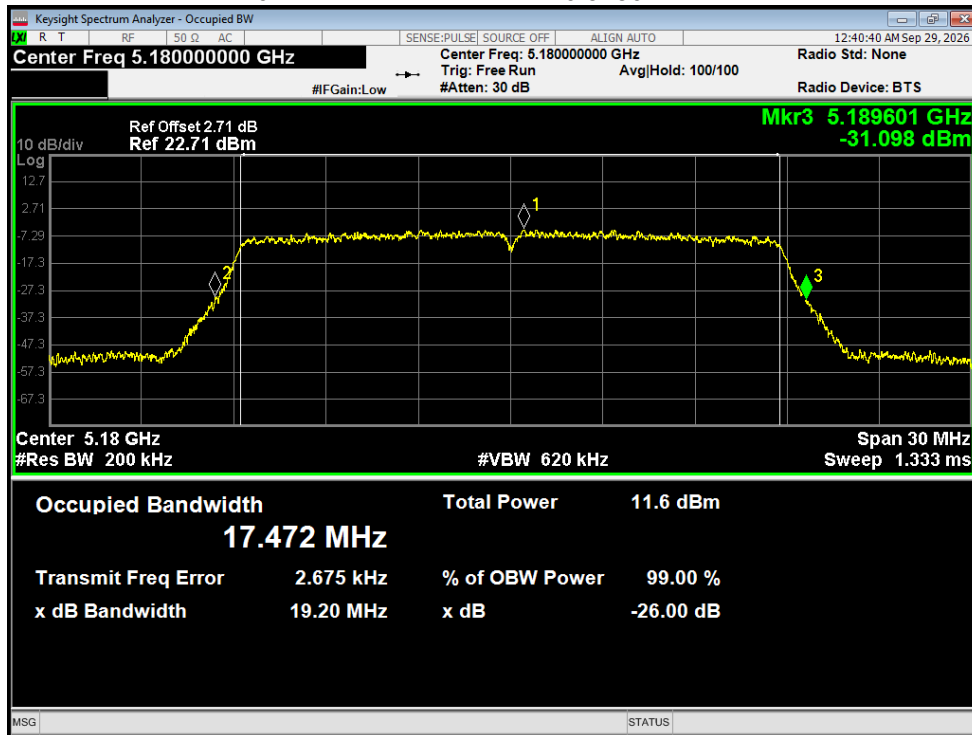
-26dB Bandwidth NVNT n40 5190MHz Ant1



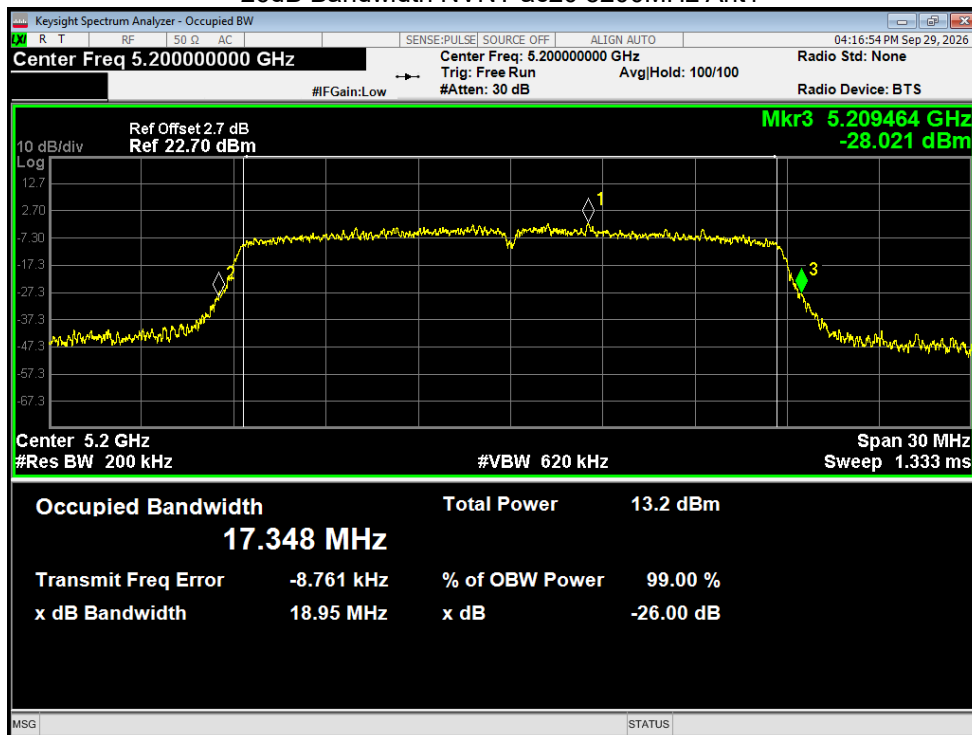
-26dB Bandwidth NVNT n40 5230MHz Ant1



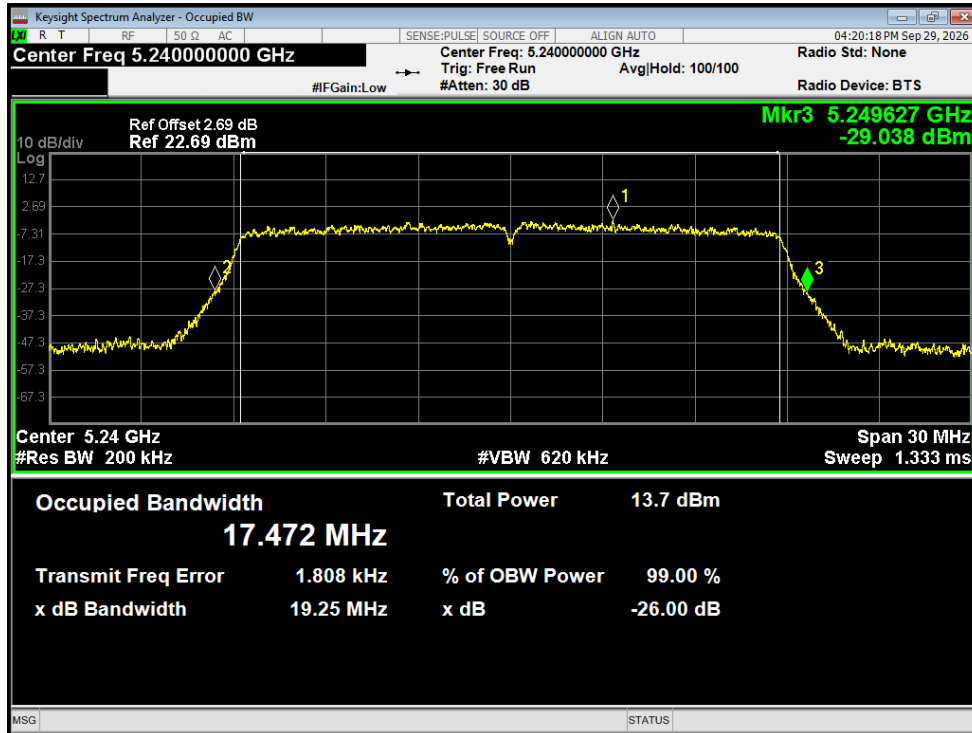
-26dB Bandwidth NVNT ac20 5180MHz Ant1



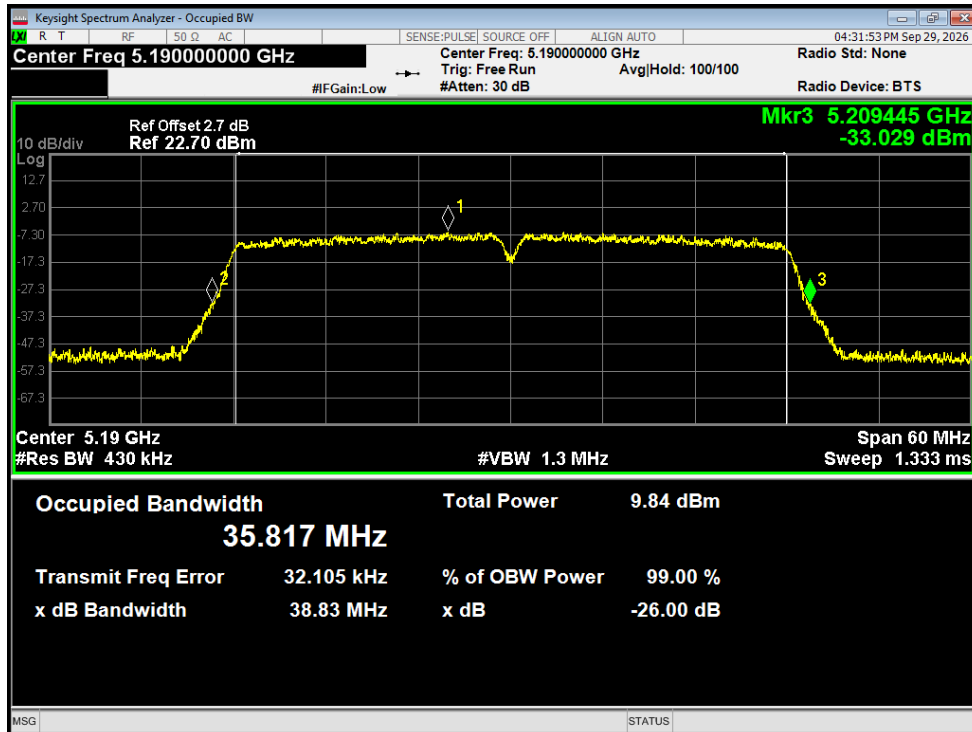
-26dB Bandwidth NVNT ac20 5200MHz Ant1



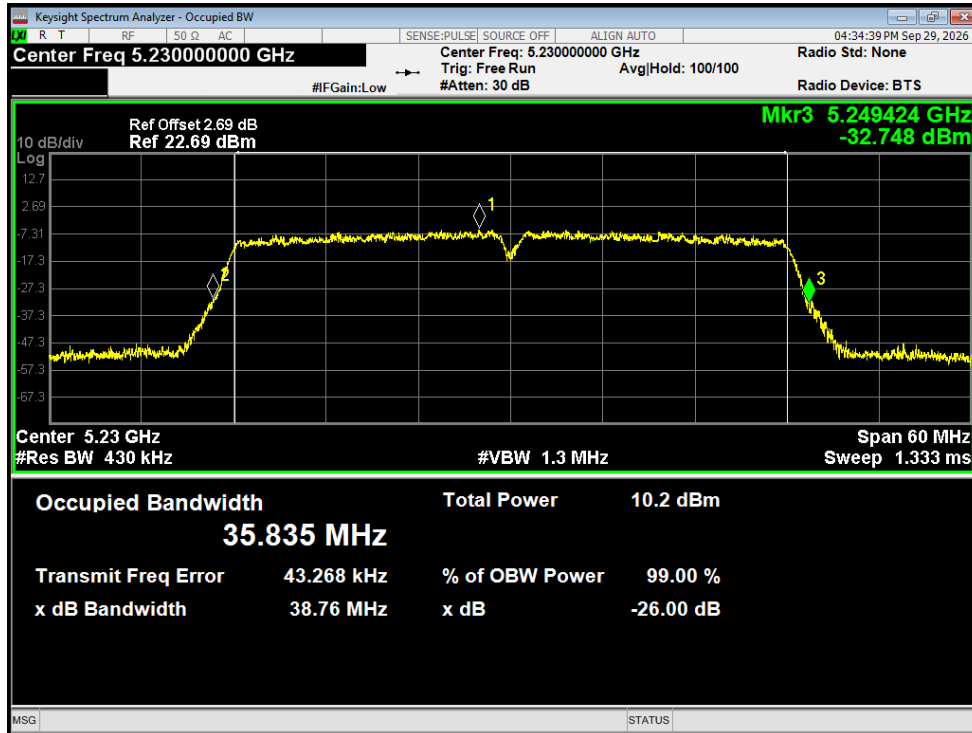
-26dB Bandwidth NVNT ac20 5240MHz Ant1



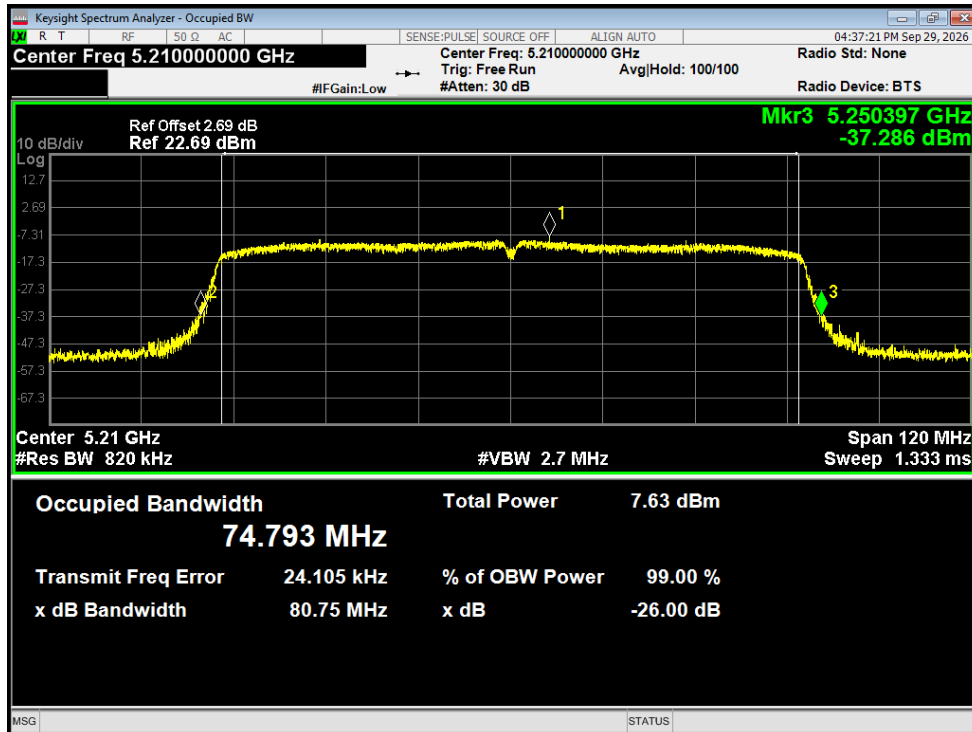
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





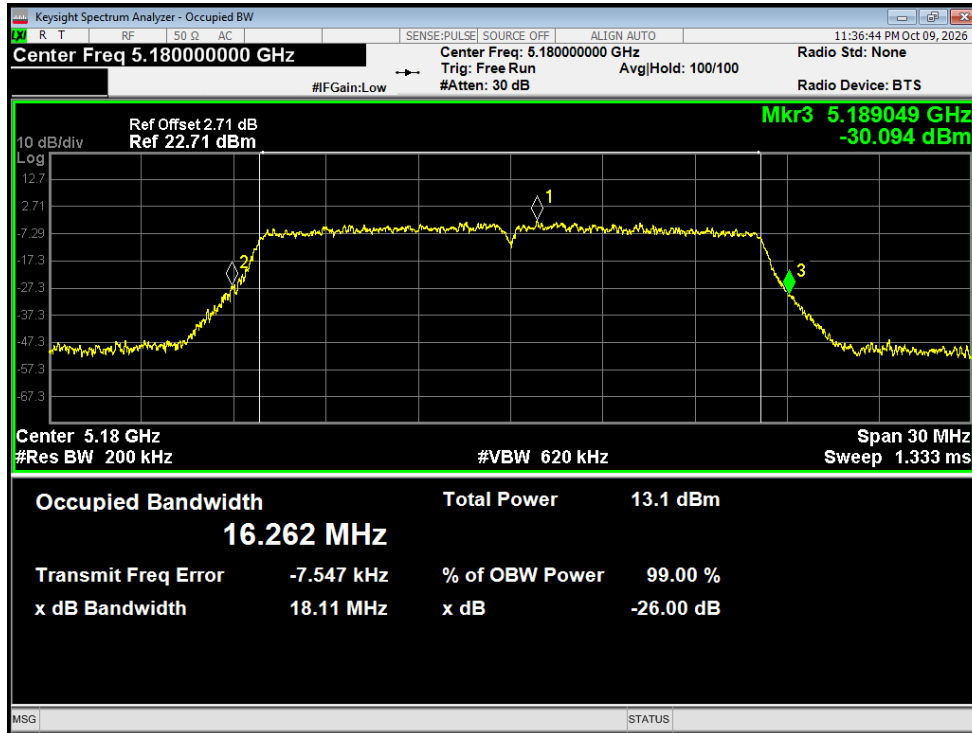
ANT2

5180-5240MHz

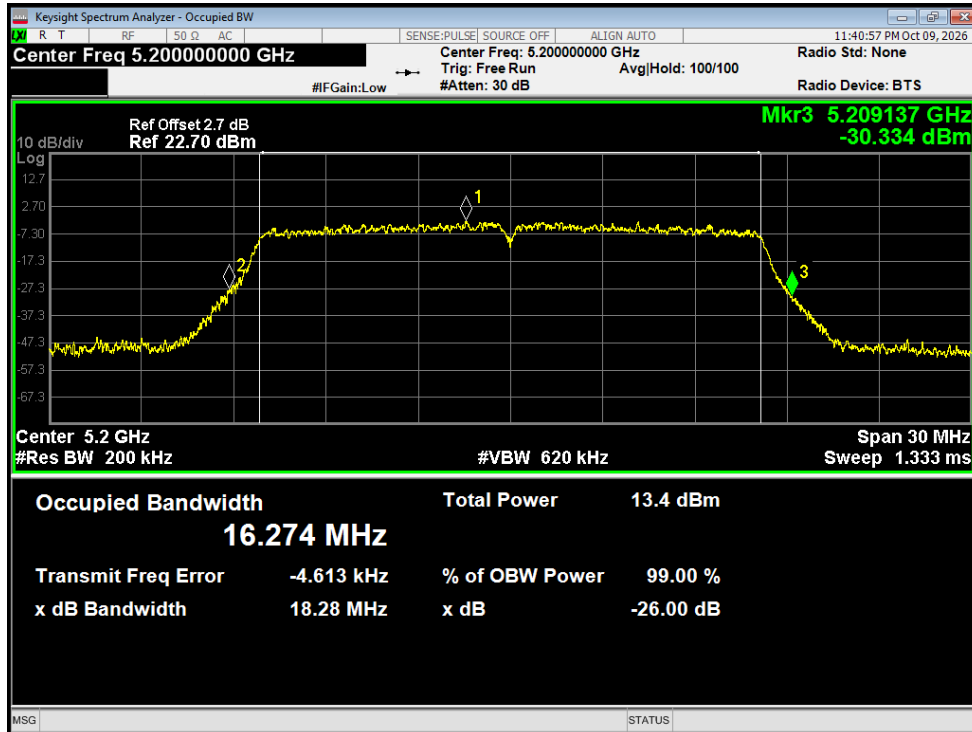
Test CH	-26dB Channel Bandwidth (MHz)						Result
	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80	
Lowest	18.11	19.16	19.22	38.69	38.83	--	Pass
Middle	18.28	19.18	19.20	--	--	80.64	
Highest	19.20	19.12	19.28	38.81	38.88	--	

Remark: "---"is not applicable

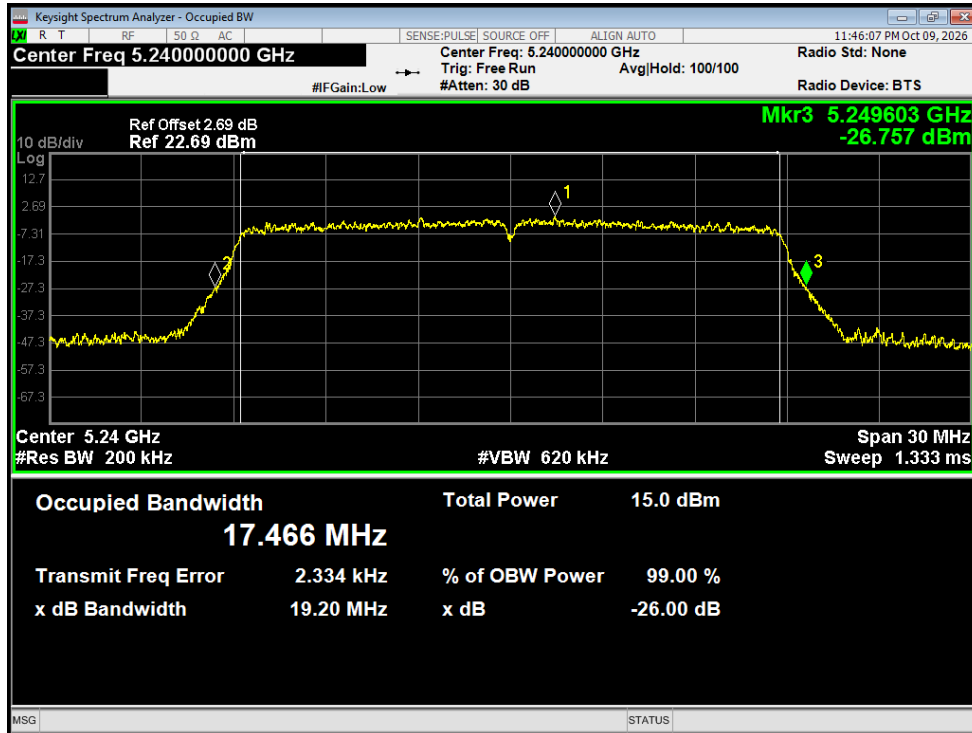
-26dB Bandwidth NVNT a 5180MHz Ant1



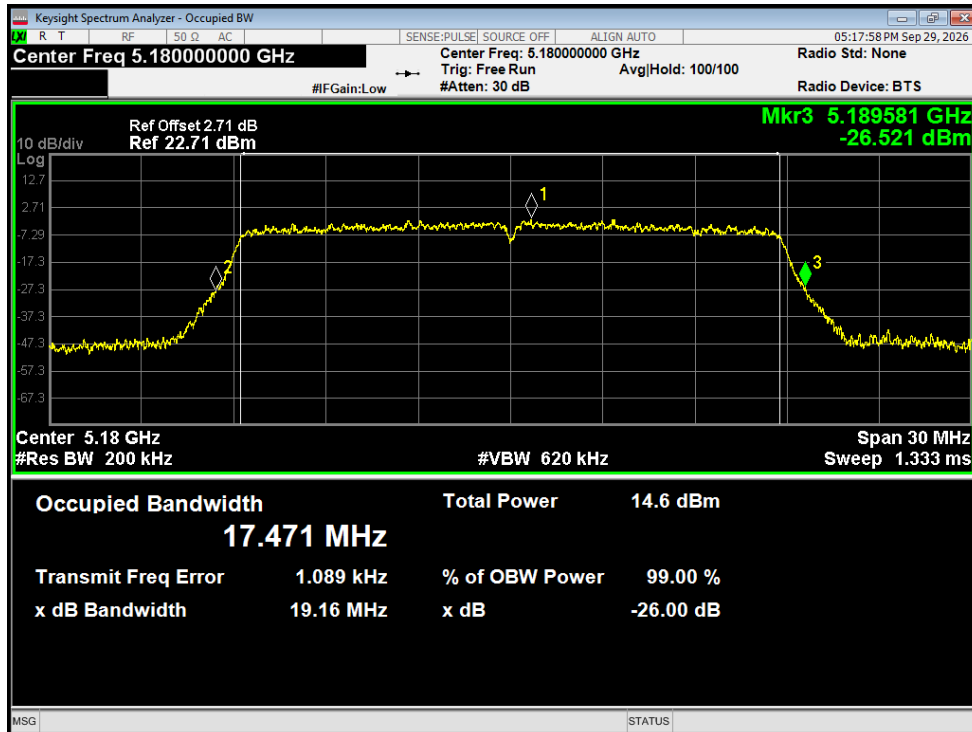
-26dB Bandwidth NVNT a 5200MHz Ant1



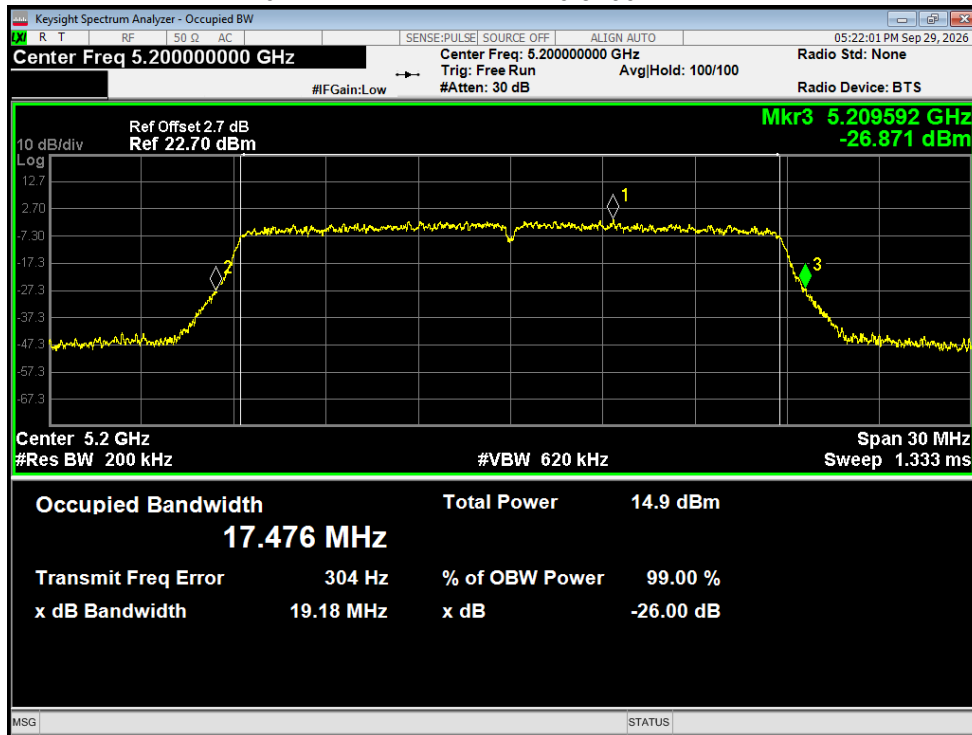
-26dB Bandwidth NVNT a 5240MHz Ant1



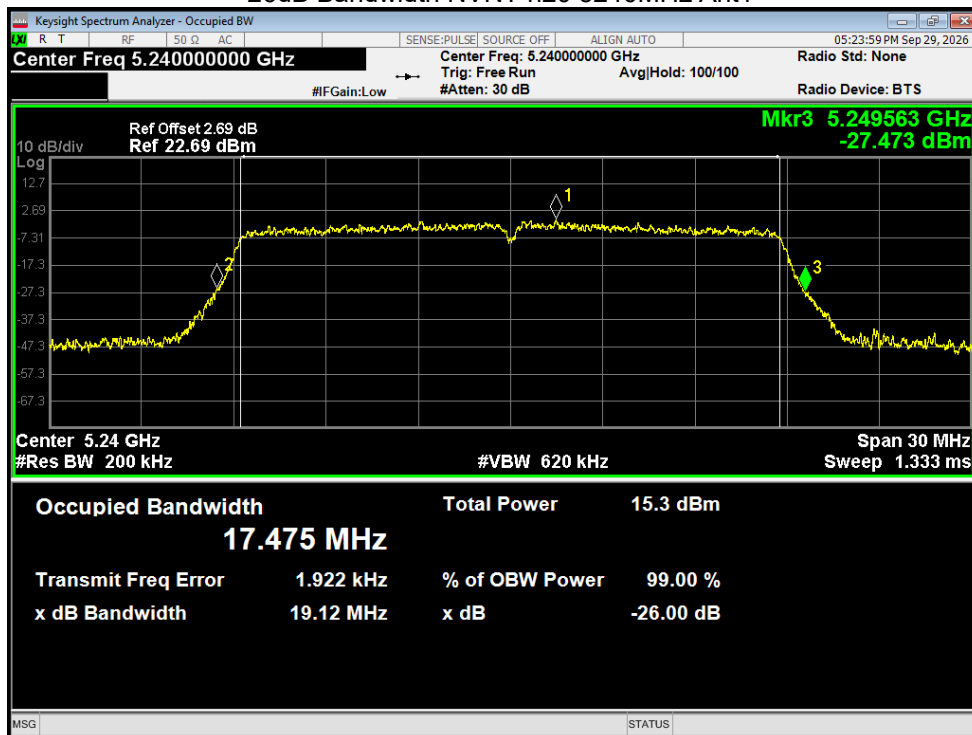
-26dB Bandwidth NVNT n20 5180MHz Ant1



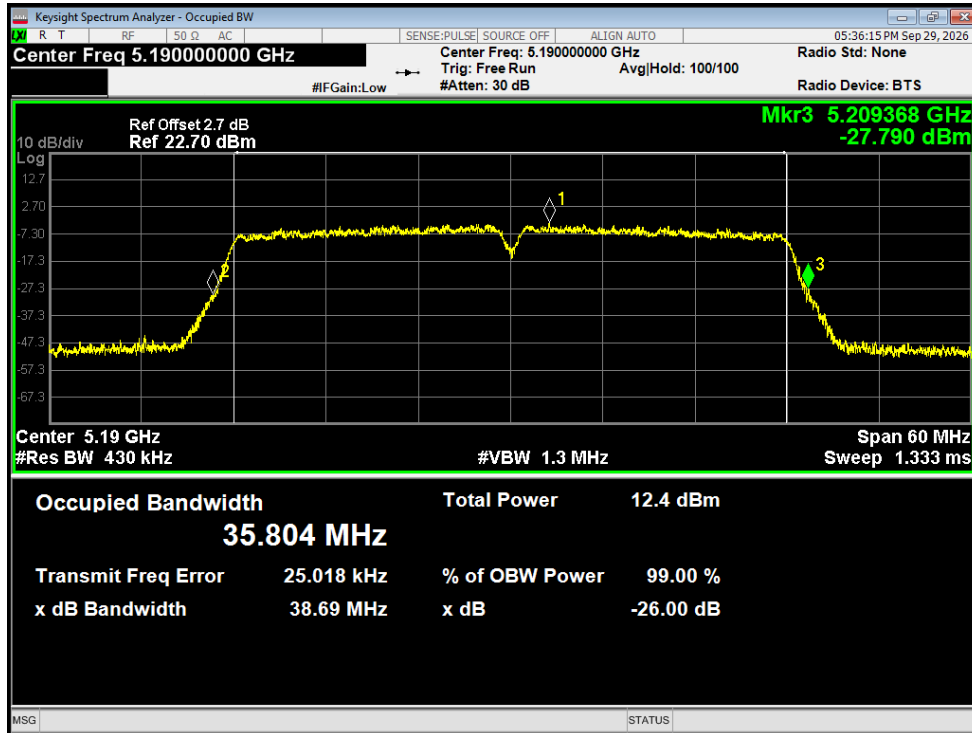
-26dB Bandwidth NVNT n20 5200MHz Ant1



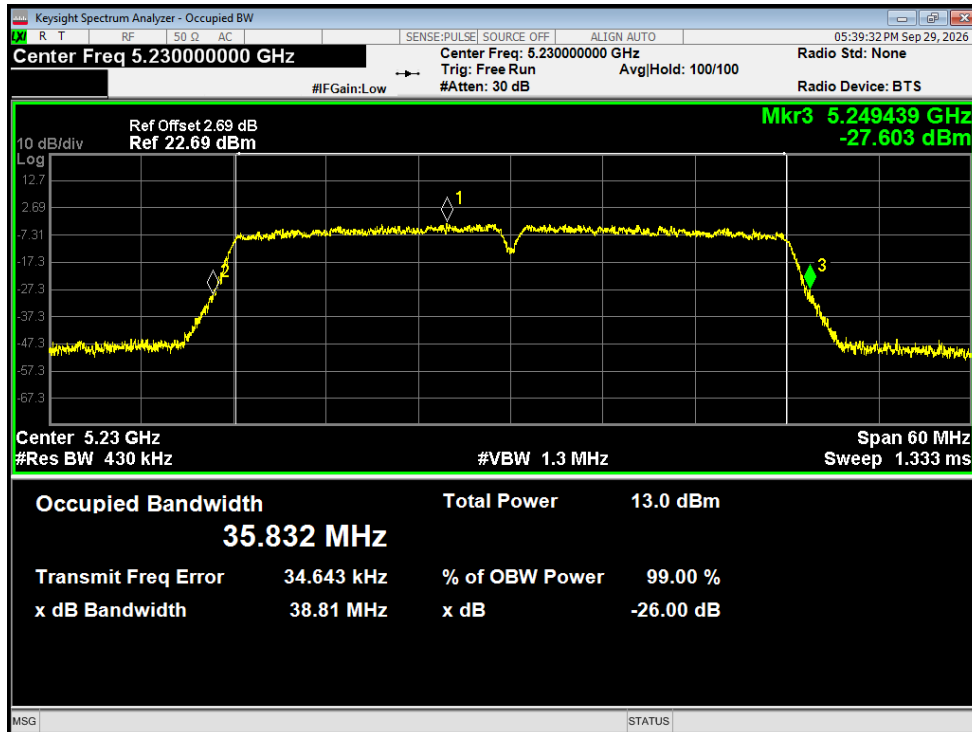
-26dB Bandwidth NVNT n20 5240MHz Ant1



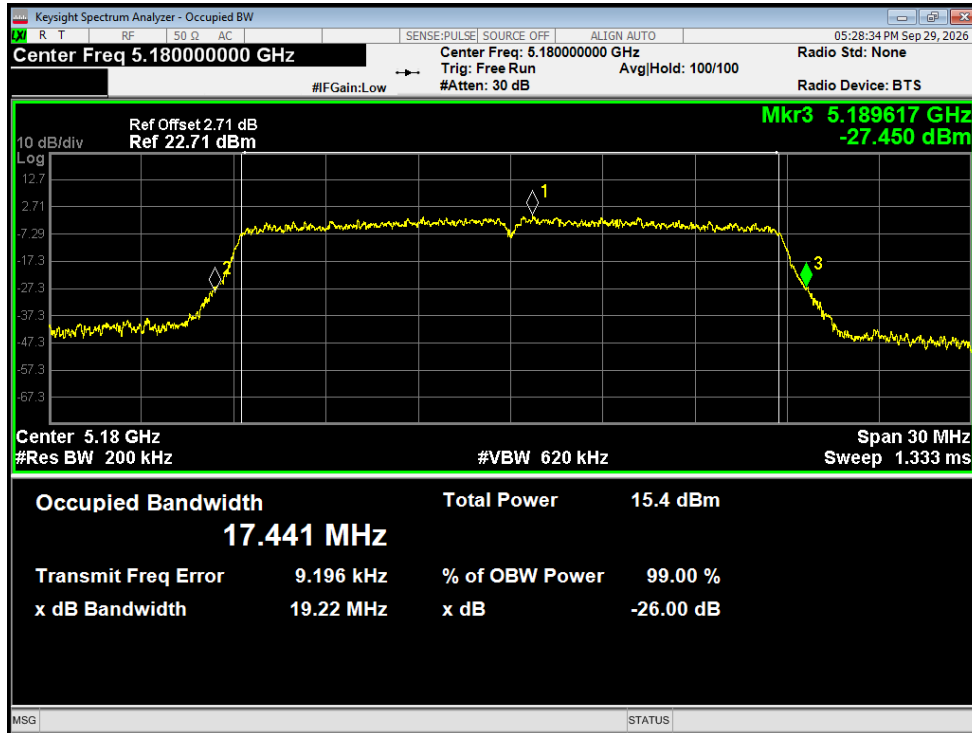
-26dB Bandwidth NVNT n40 5190MHz Ant1



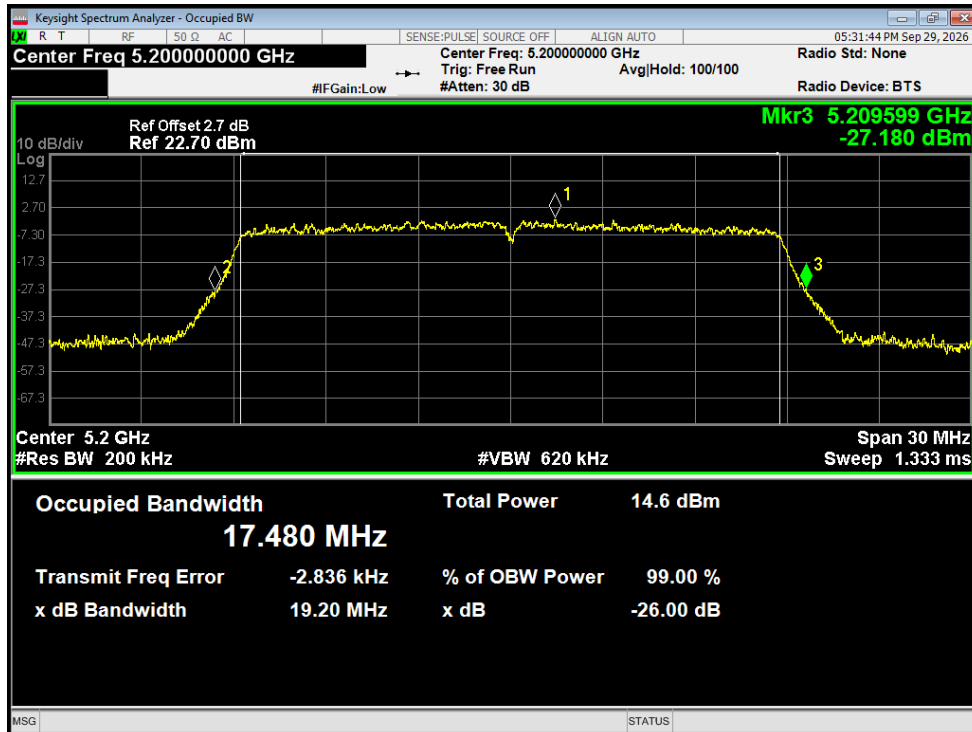
-26dB Bandwidth NVNT n40 5230MHz Ant1



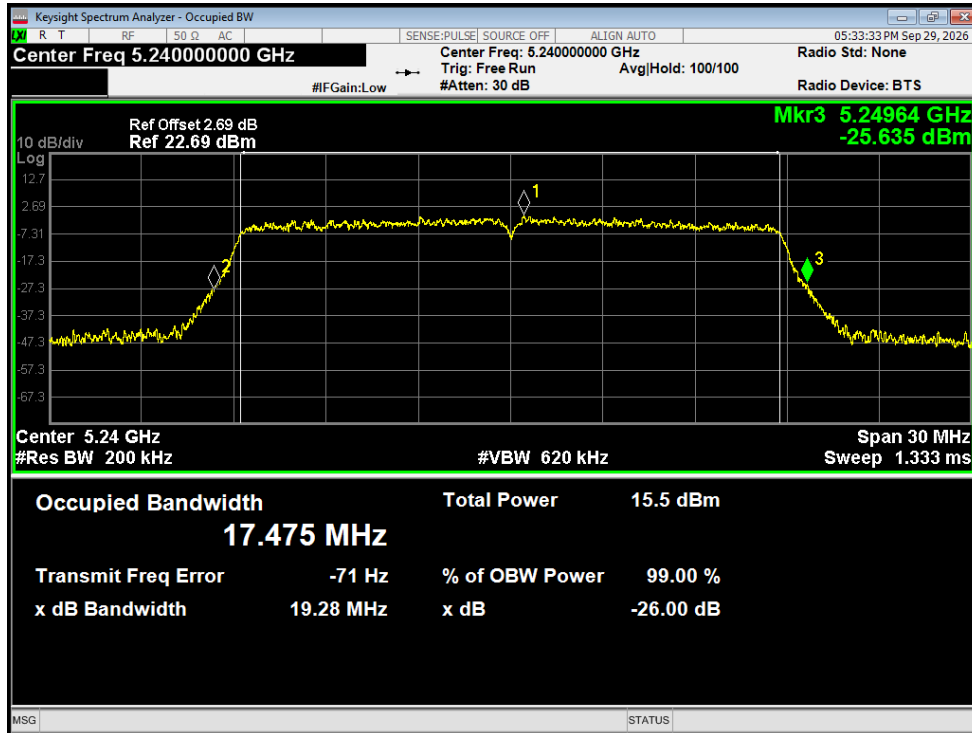
-26dB Bandwidth NVNT ac20 5180MHz Ant1



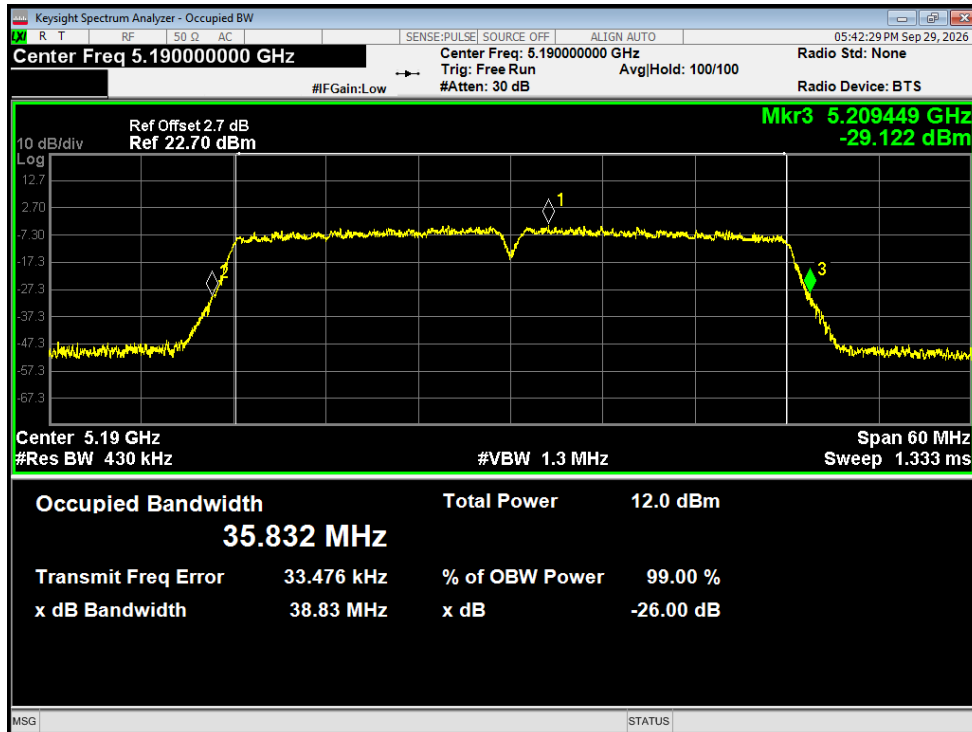
-26dB Bandwidth NVNT ac20 5200MHz Ant1



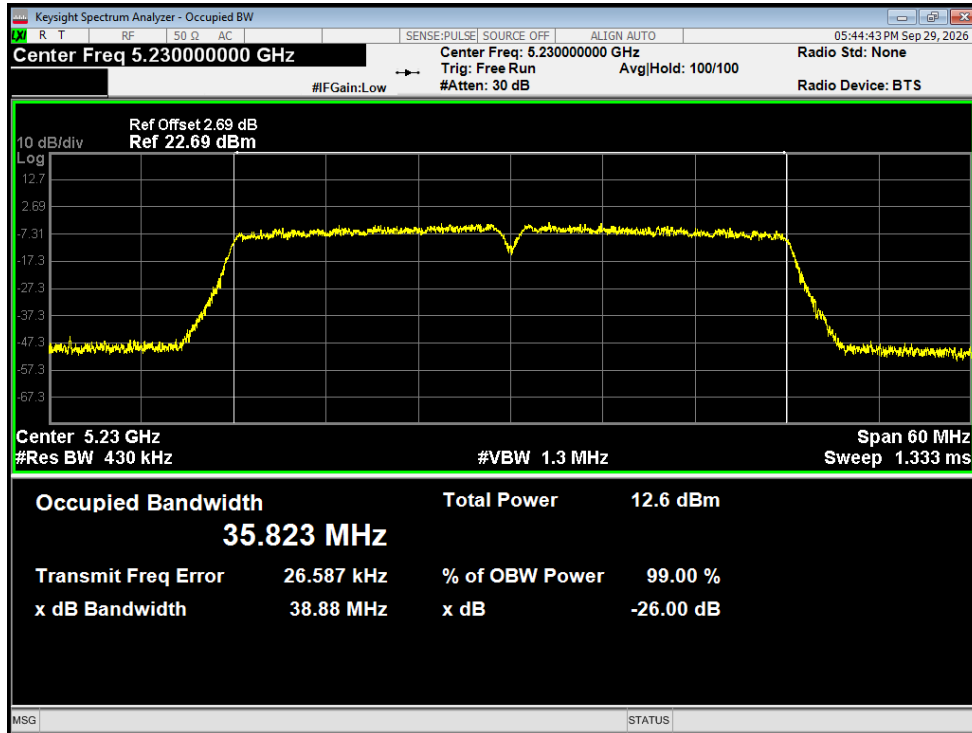
-26dB Bandwidth NVNT ac20 5240MHz Ant1



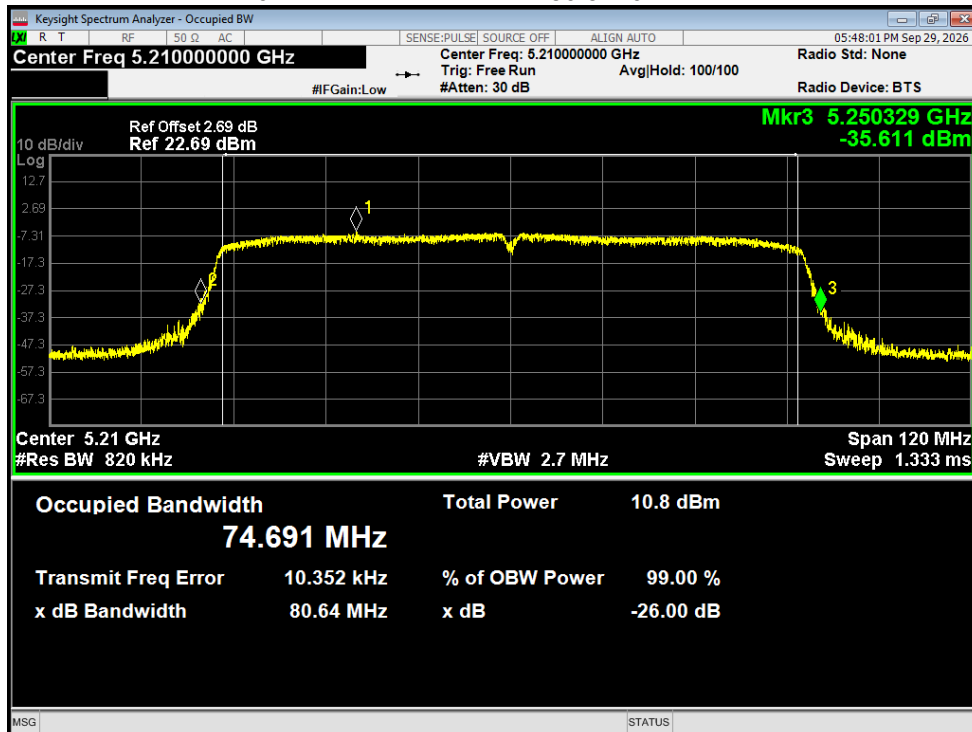
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





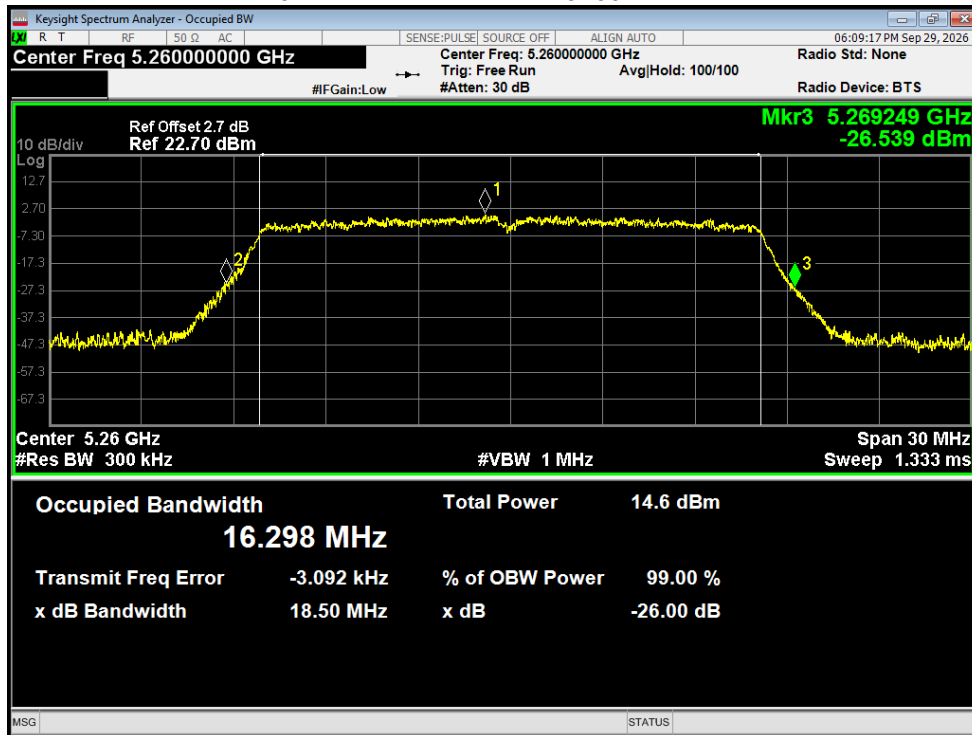
ANT1

5260-5320MHz

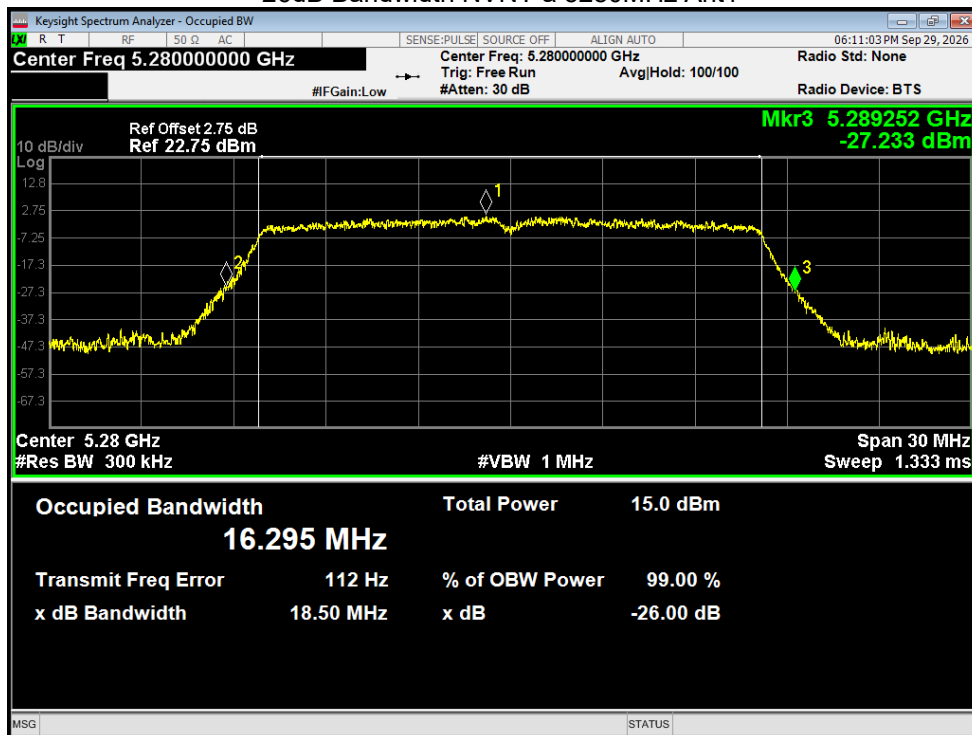
Test CH	-26dB Channel Bandwidth (MHz)						Result
	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80	
Lowest	18.50	19.46	19.40	38.66	38.48	--	Pass
Middle	18.50	19.36	19.48	--	--	78.99	
Highest	18.56	19.42	19.43	38.68	38.53	--	

Remark: "---"is not applicable

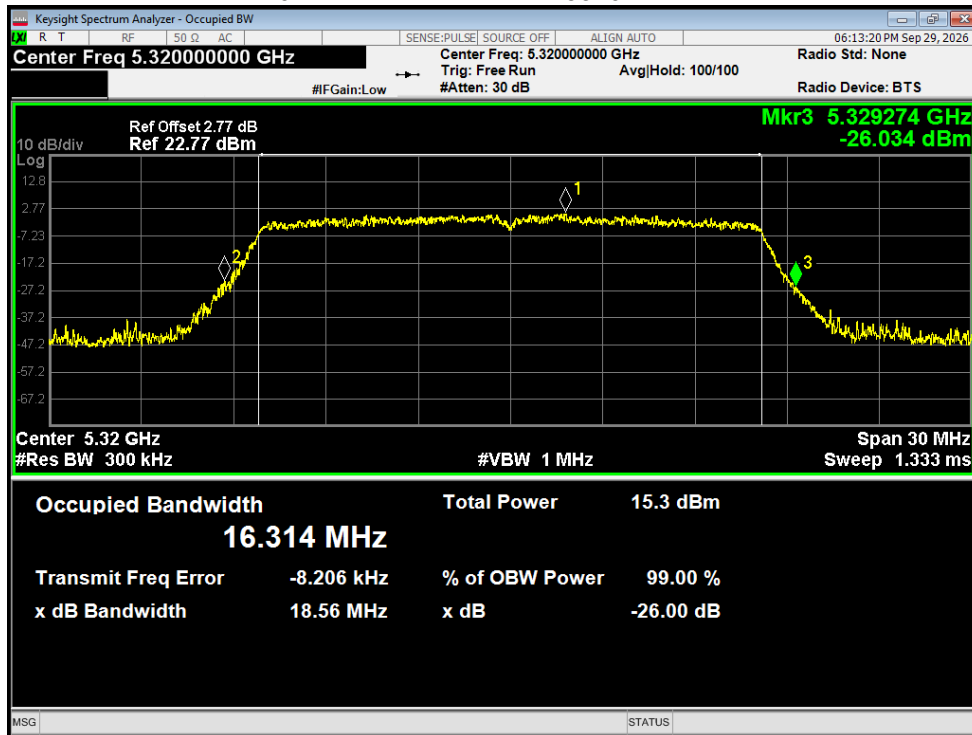
-26dB Bandwidth NVNT a 5260MHz Ant1



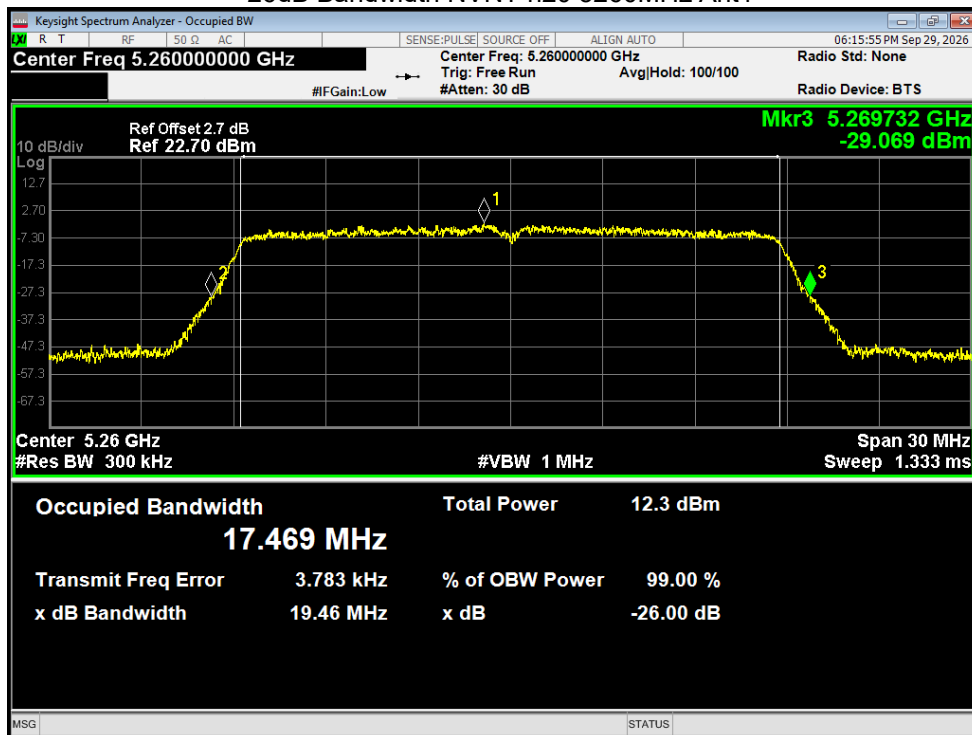
-26dB Bandwidth NVNT a 5280MHz Ant1



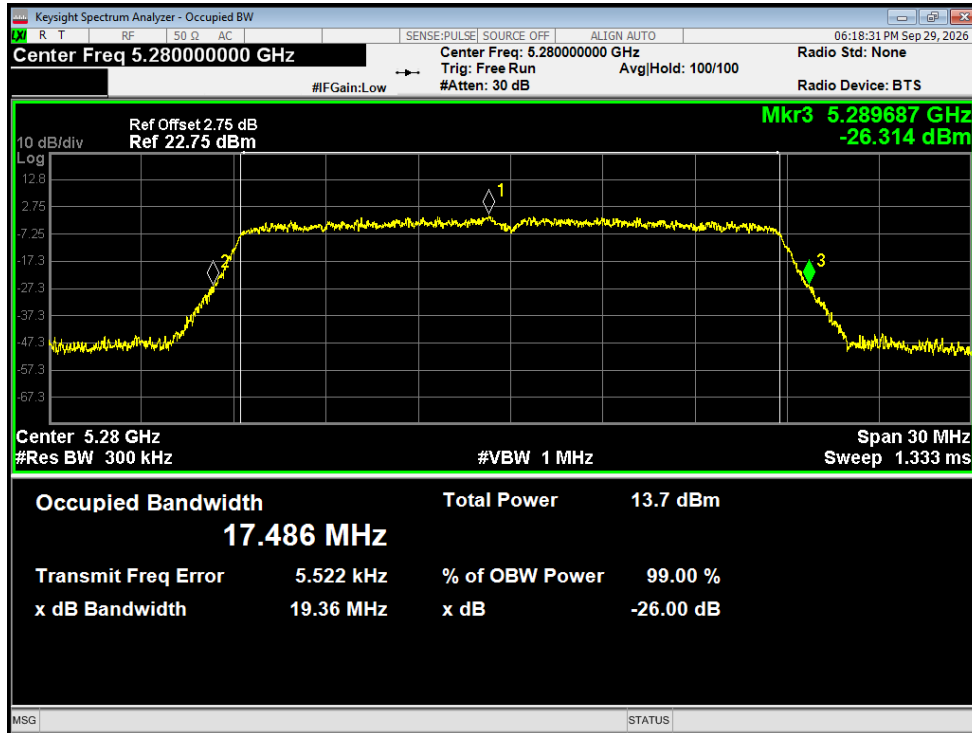
-26dB Bandwidth NVNT a 5320MHz Ant1



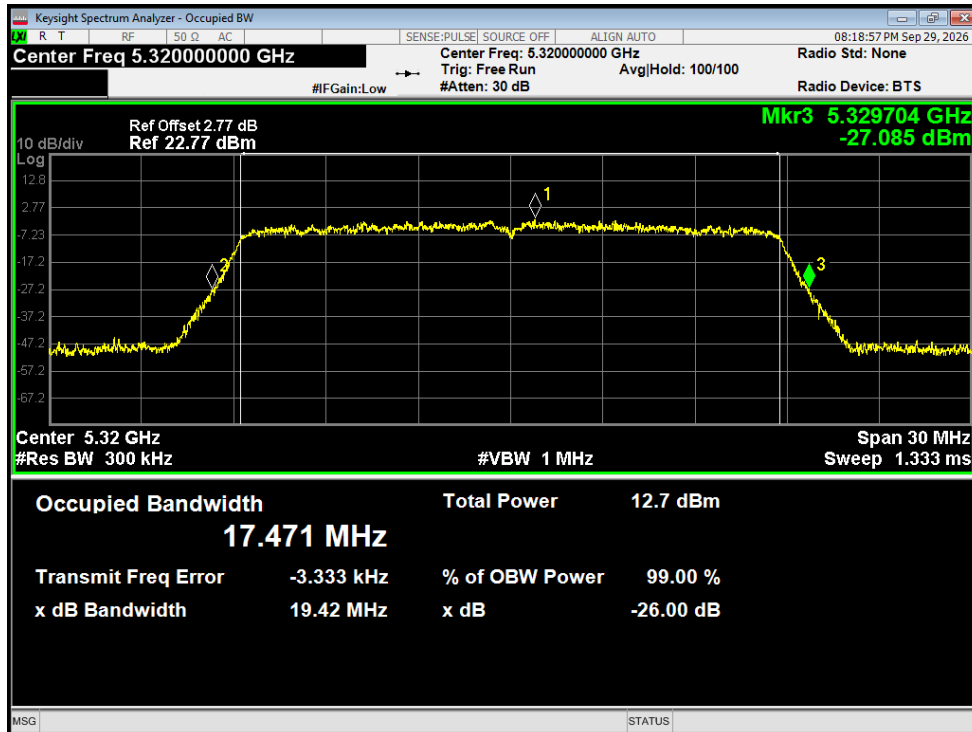
-26dB Bandwidth NVNT n20 5260MHz Ant1



-26dB Bandwidth NVNT n20 5280MHz Ant1

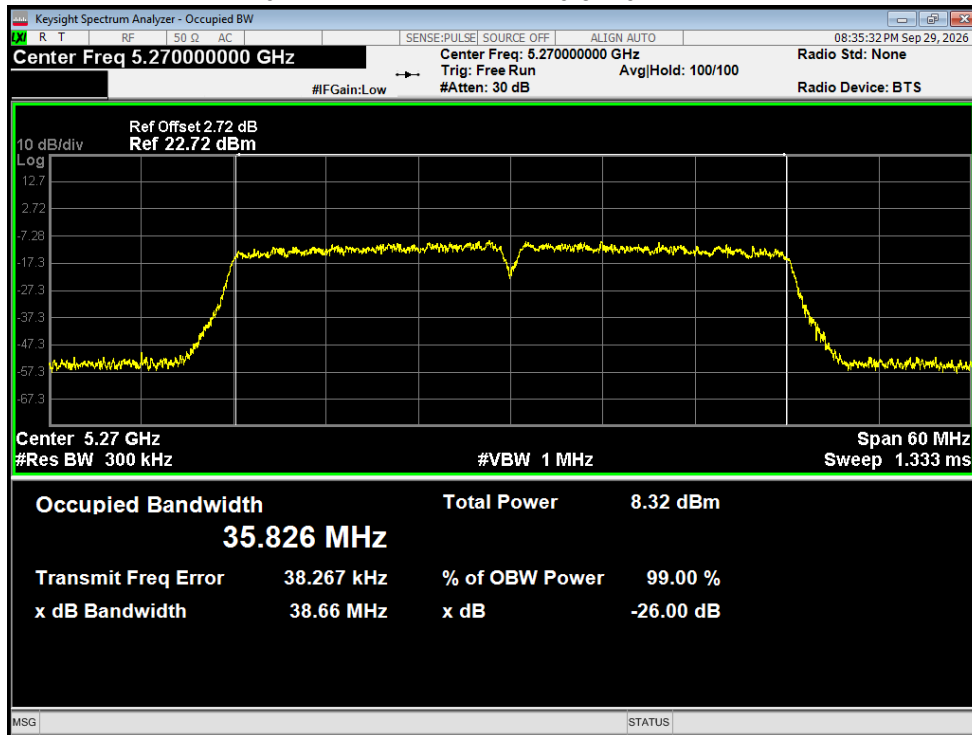


-26dB Bandwidth NVNT n20 5320MHz Ant1

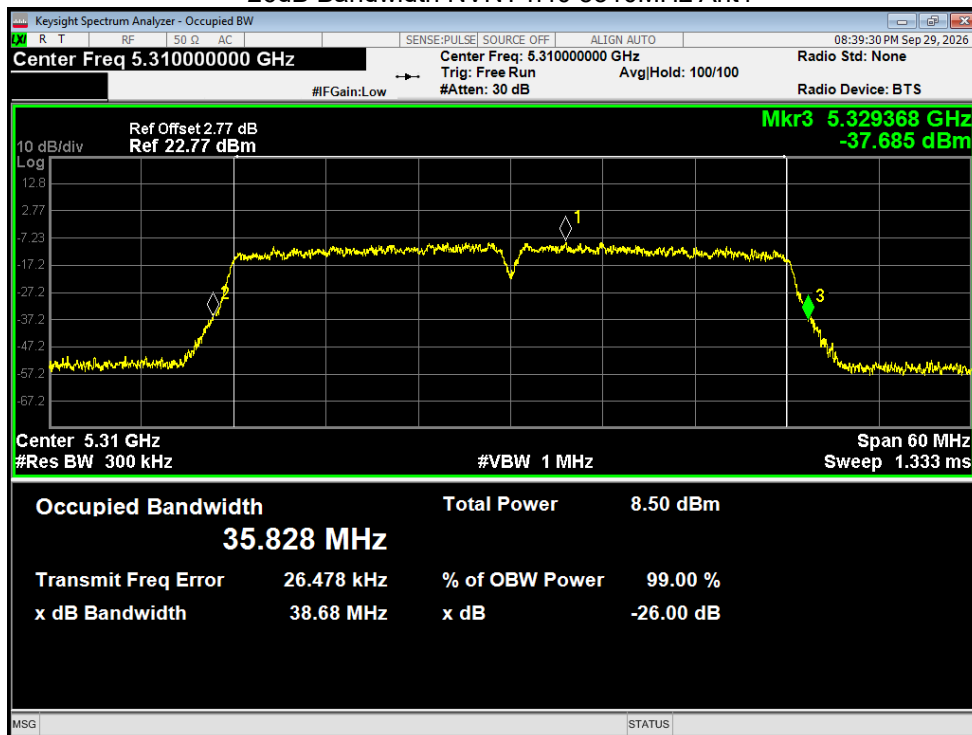




-26dB Bandwidth NVNT n40 5270MHz Ant1

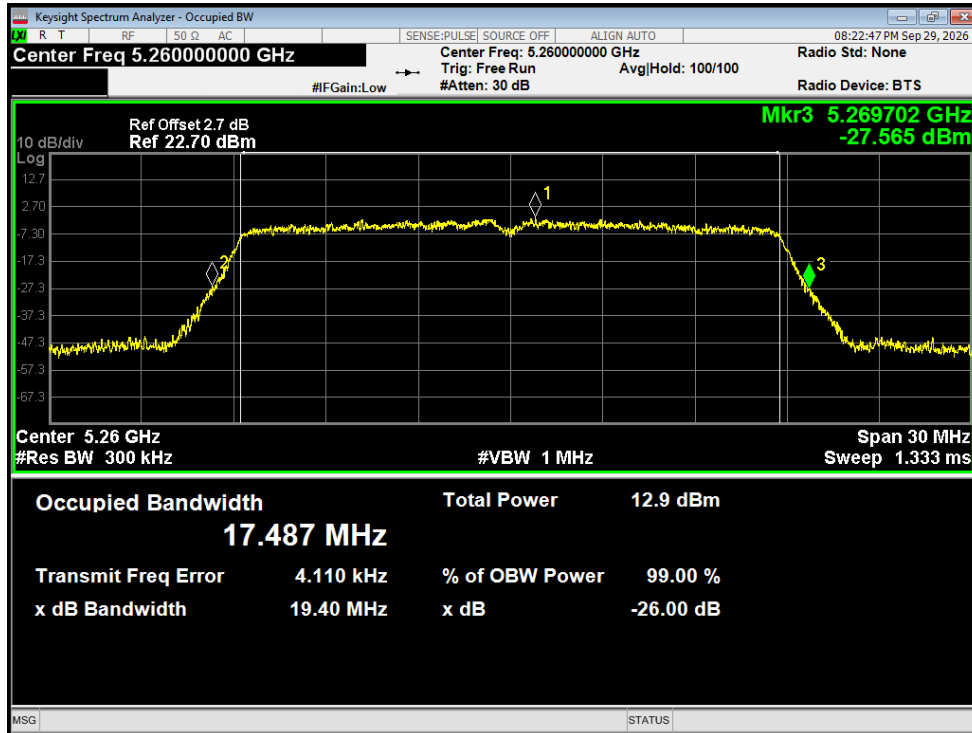


-26dB Bandwidth NVNT n40 5310MHz Ant1

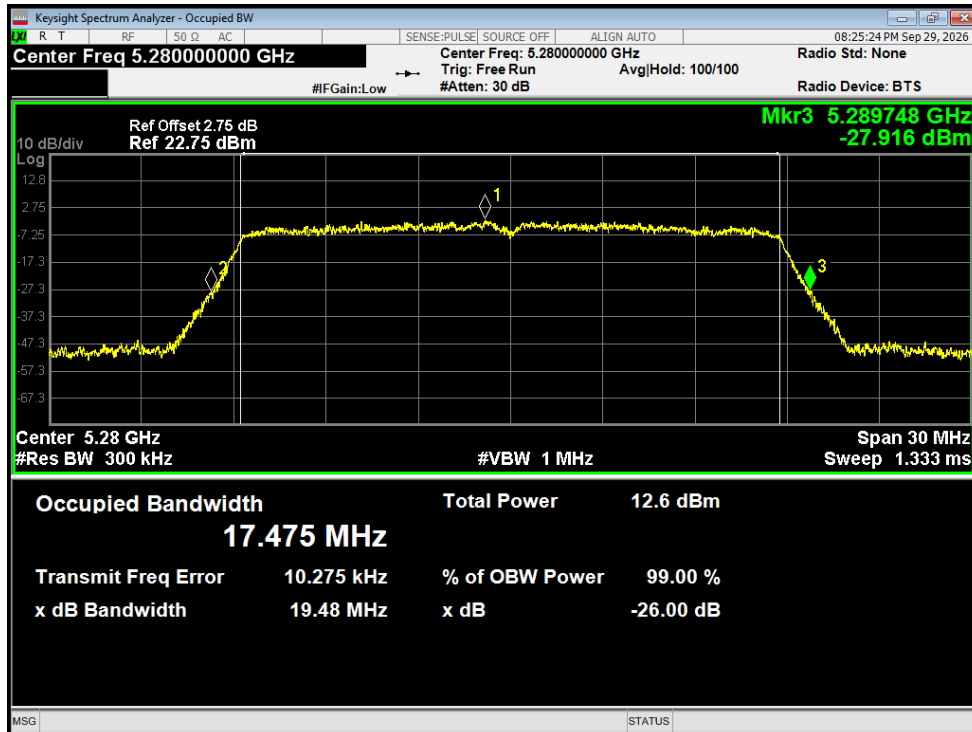




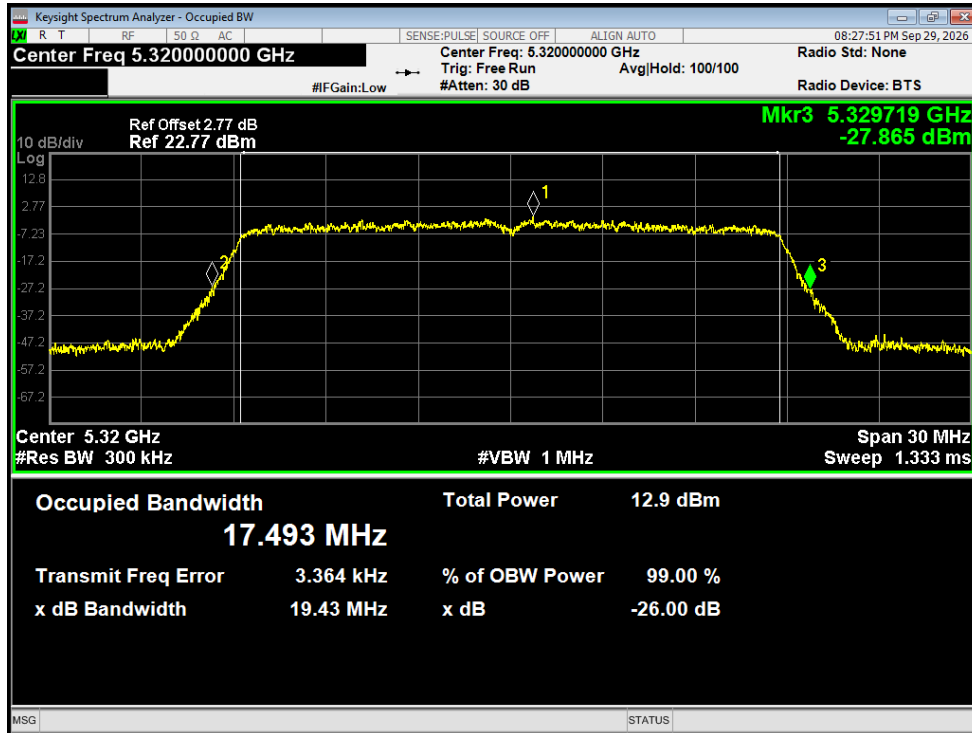
-26dB Bandwidth NVNT ac20 5260MHz Ant1



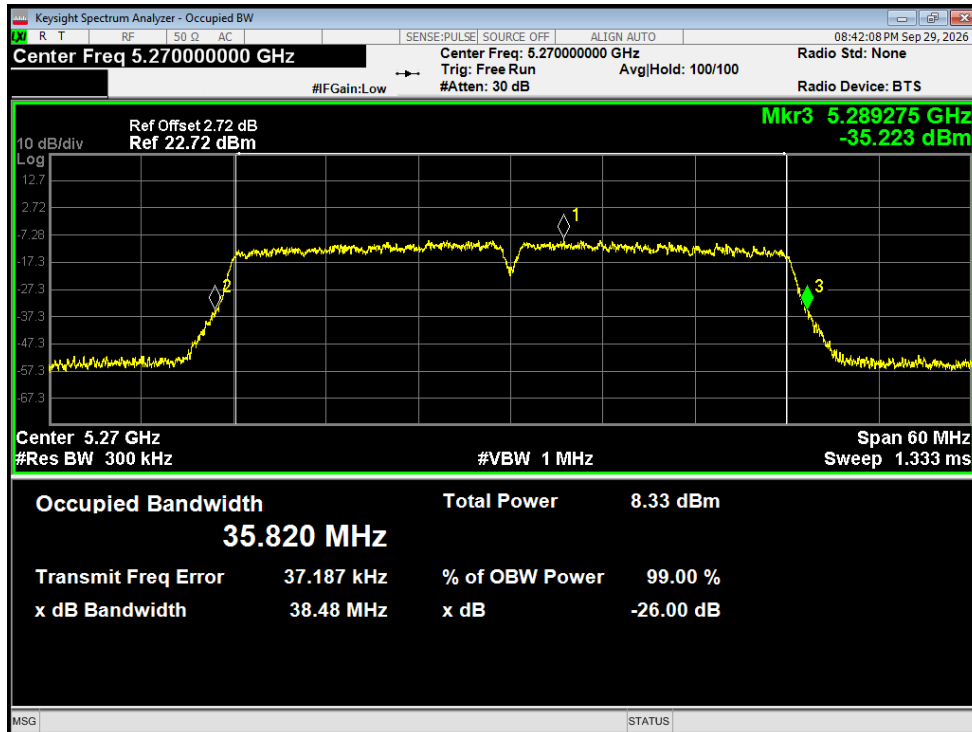
-26dB Bandwidth NVNT ac20 5280MHz Ant1



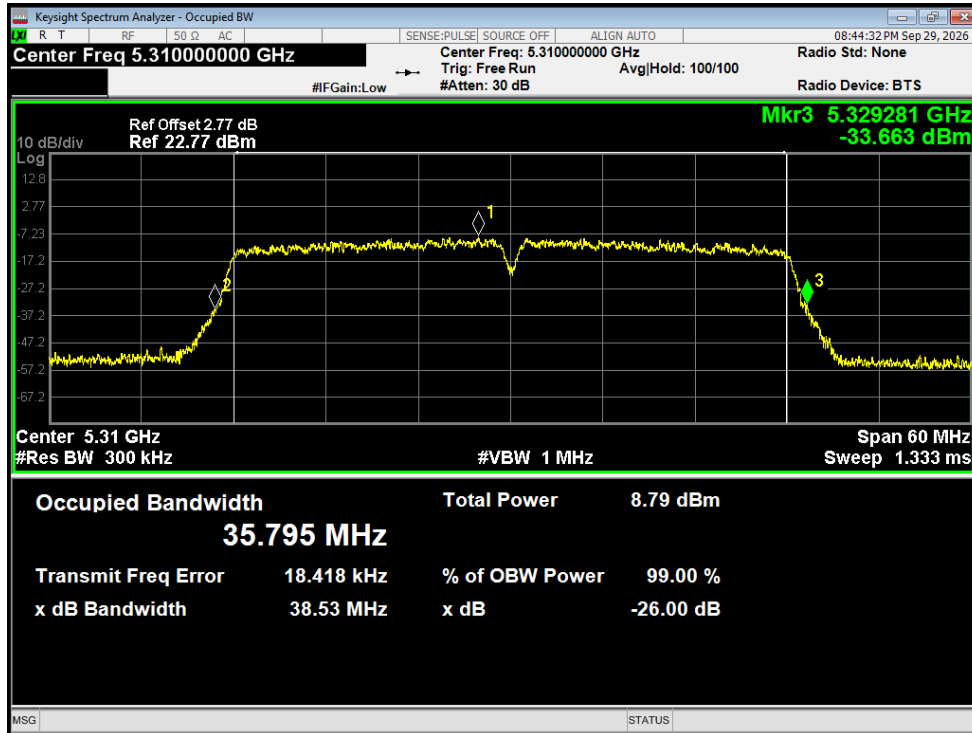
-26dB Bandwidth NVNT ac20 5320MHz Ant1



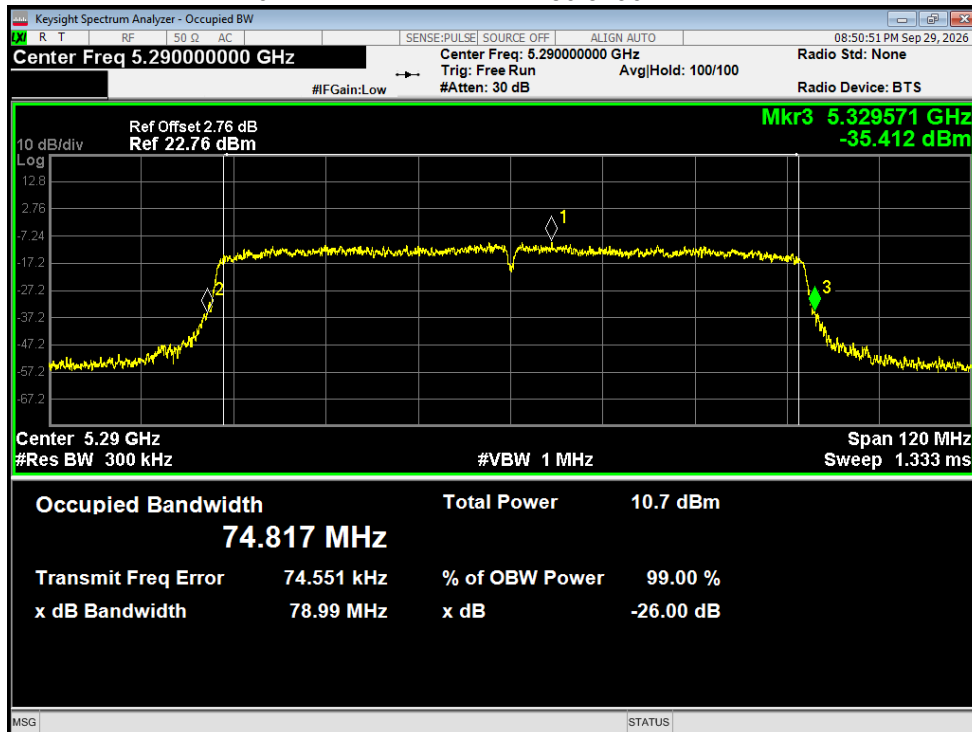
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1





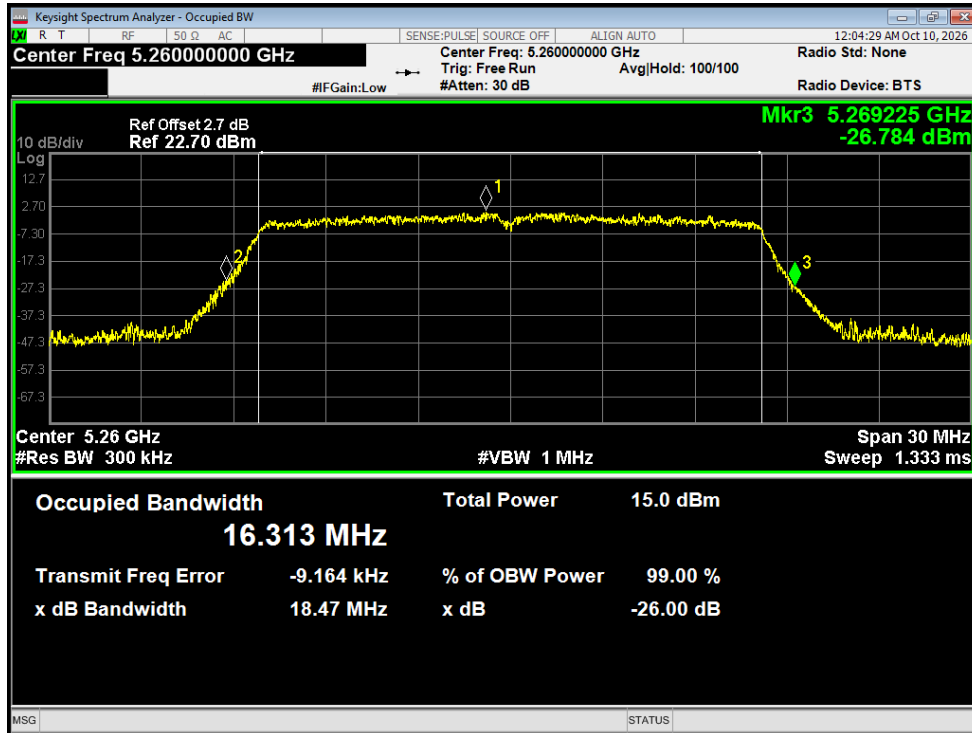
ANT2

5260-5320MHz

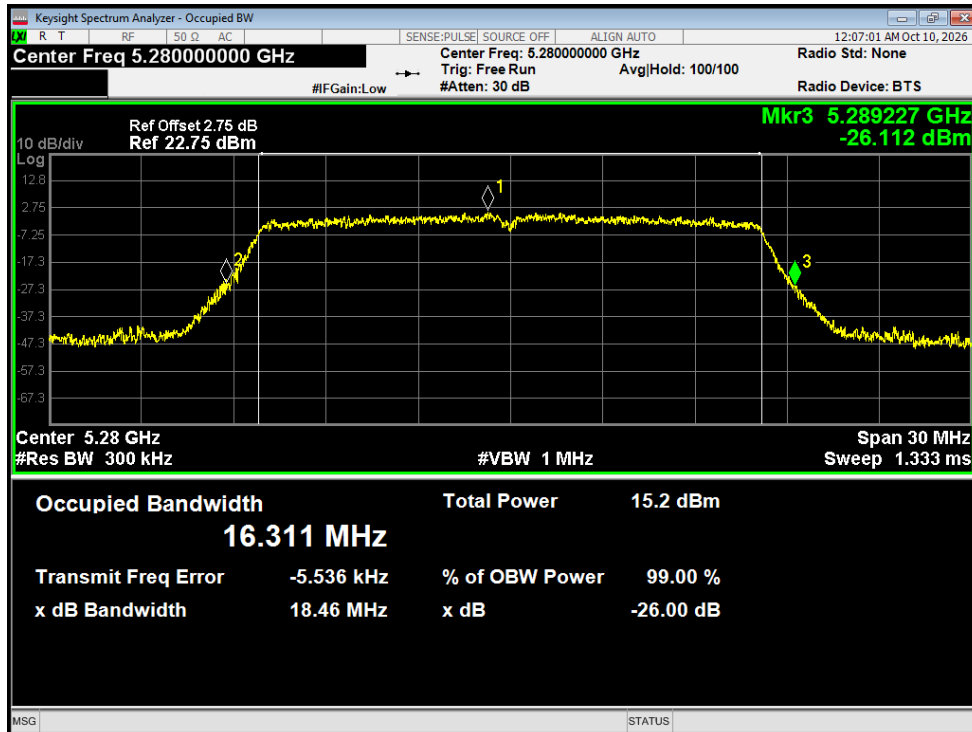
Test CH	-26dB Channel Bandwidth (MHz)						Result
	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80	
Lowest	18.47	19.44	19.41	38.63	38.70	--	Pass
Middle	18.46	19.35	19.30	--	--	79.33	
Highest	18.52	19.40	19.43	38.53	38.48	--	

Remark: "---" is not applicable

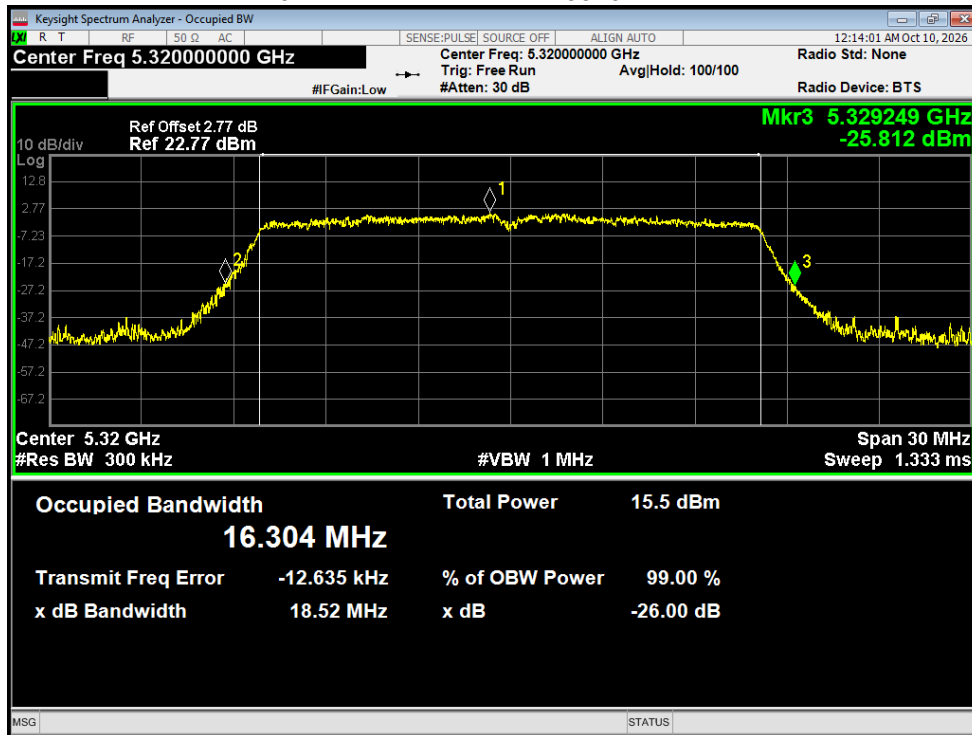
-26dB Bandwidth NVNT a 5260MHz Ant1



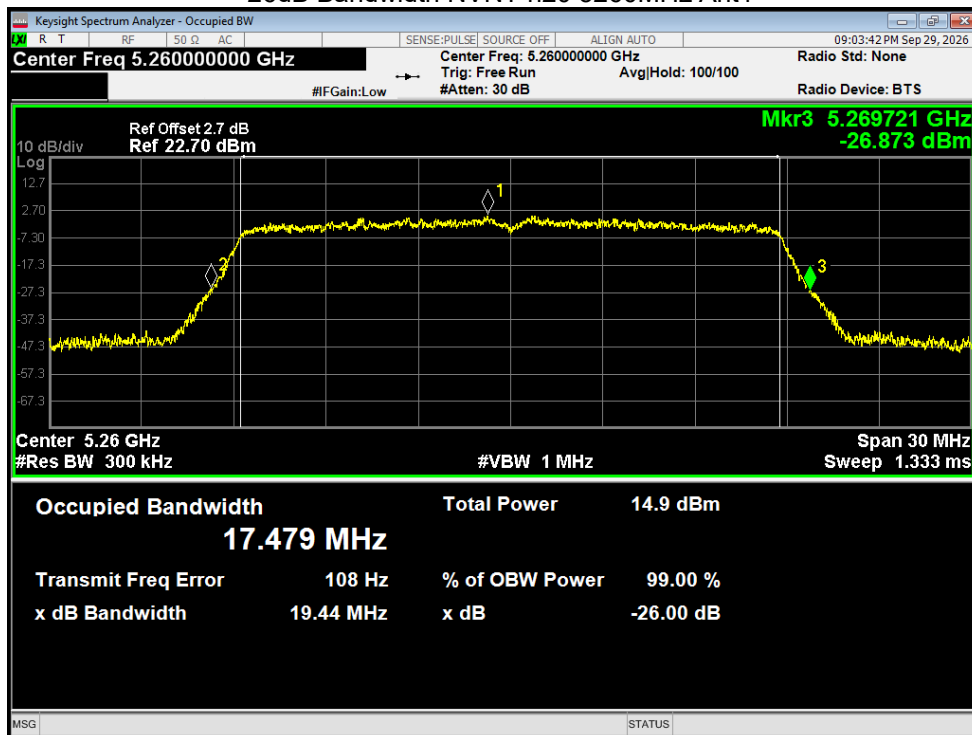
-26dB Bandwidth NVNT a 5280MHz Ant1



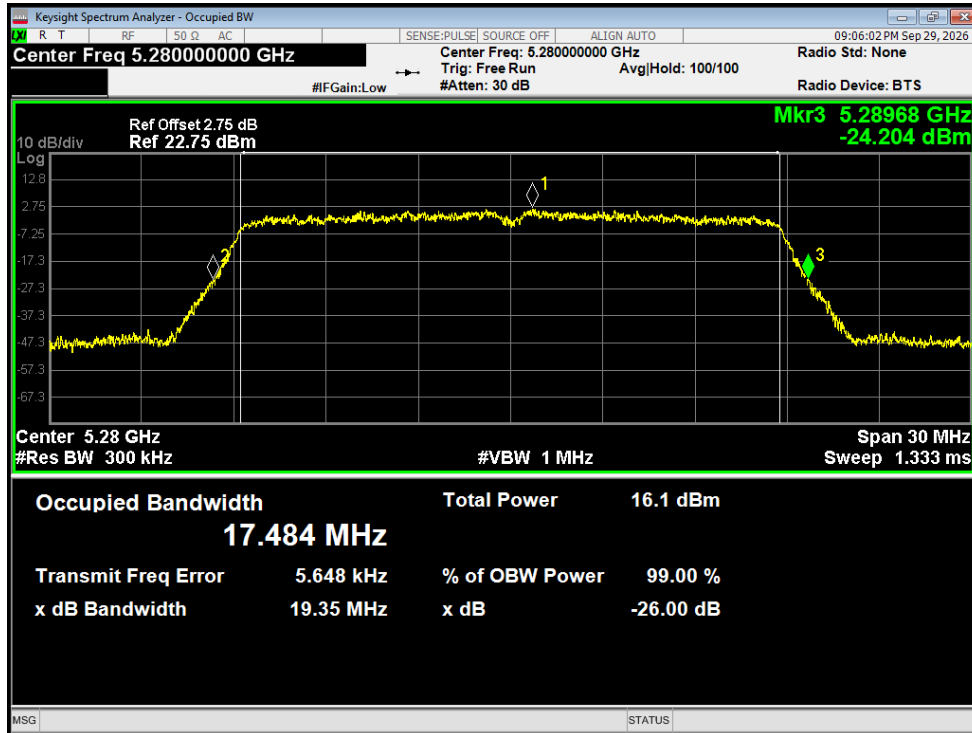
-26dB Bandwidth NVNT a 5320MHz Ant1



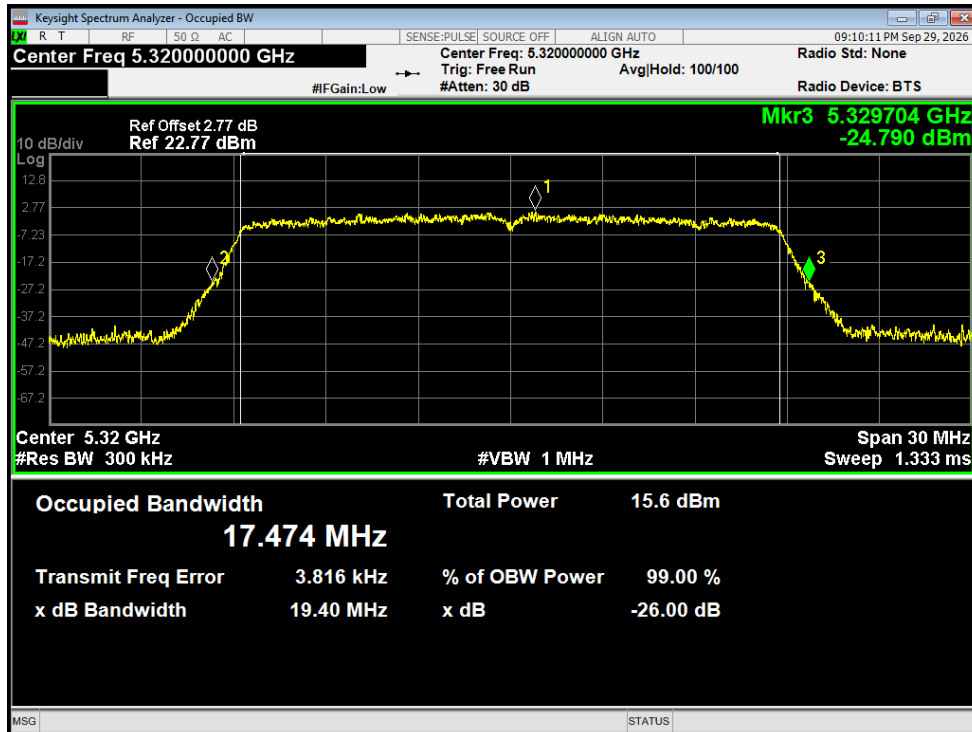
-26dB Bandwidth NVNT n20 5260MHz Ant1



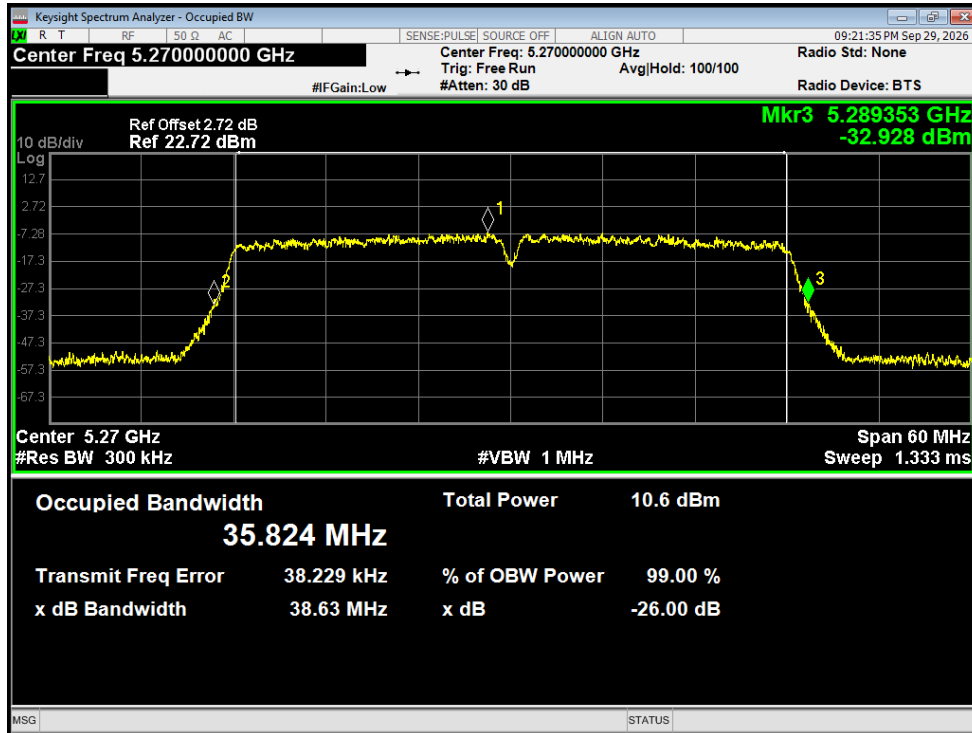
-26dB Bandwidth NVNT n20 5280MHz Ant1



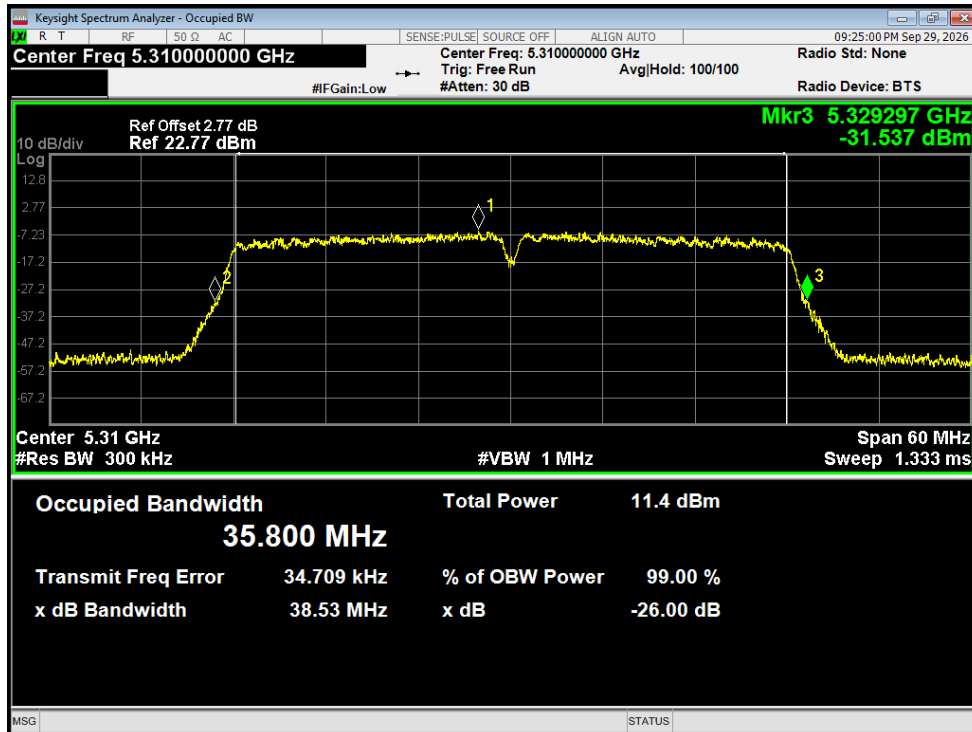
-26dB Bandwidth NVNT n20 5320MHz Ant1



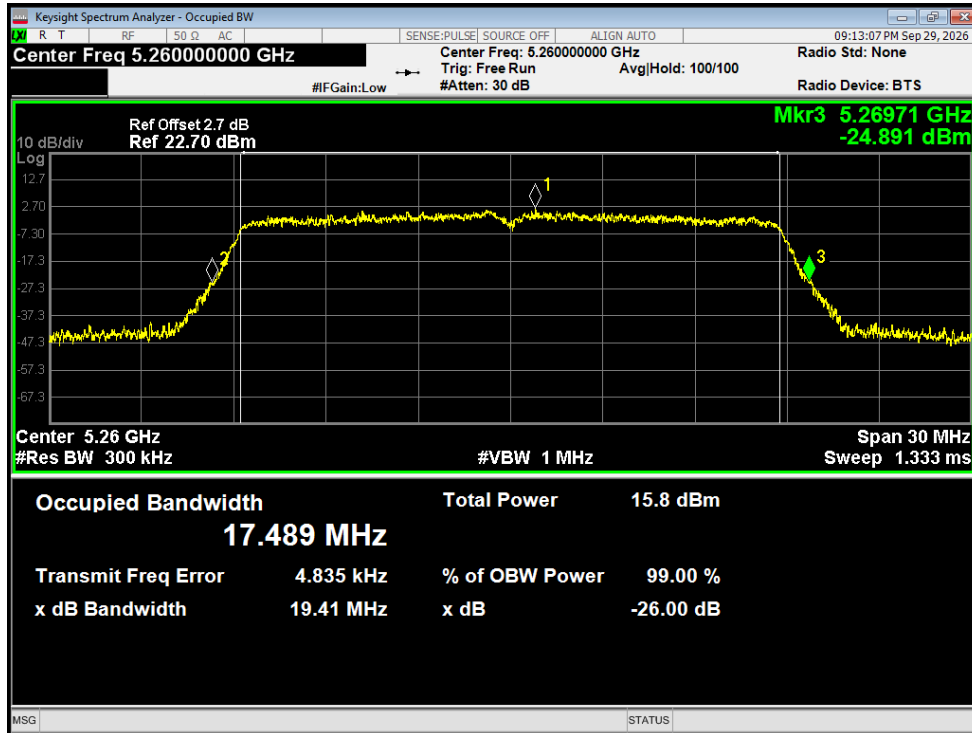
-26dB Bandwidth NVNT n40 5270MHz Ant1



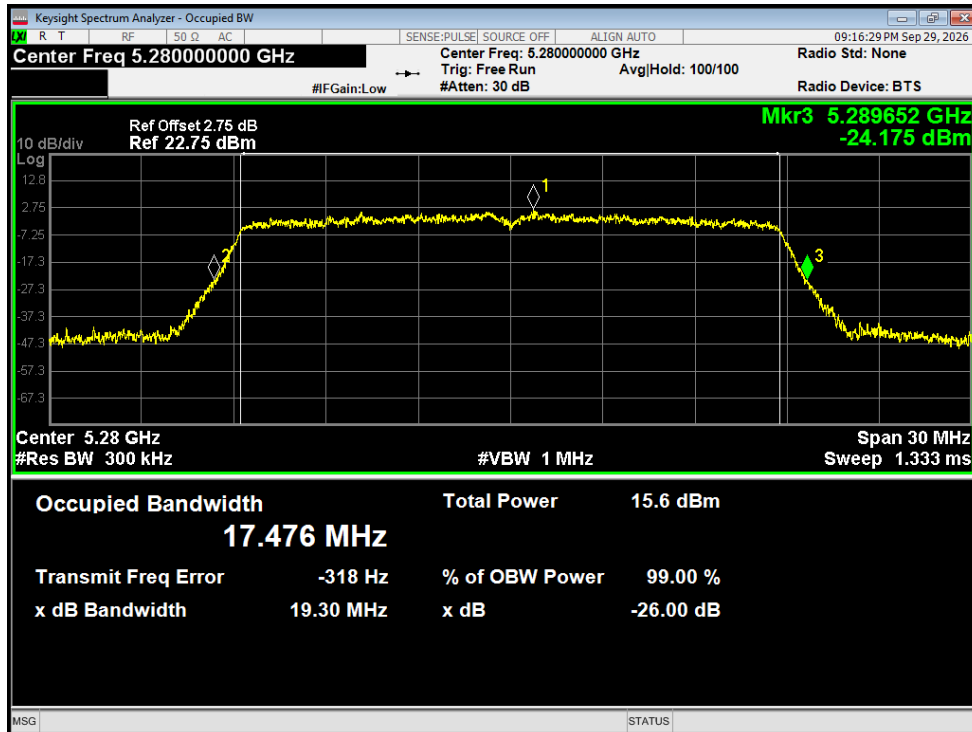
-26dB Bandwidth NVNT n40 5310MHz Ant1



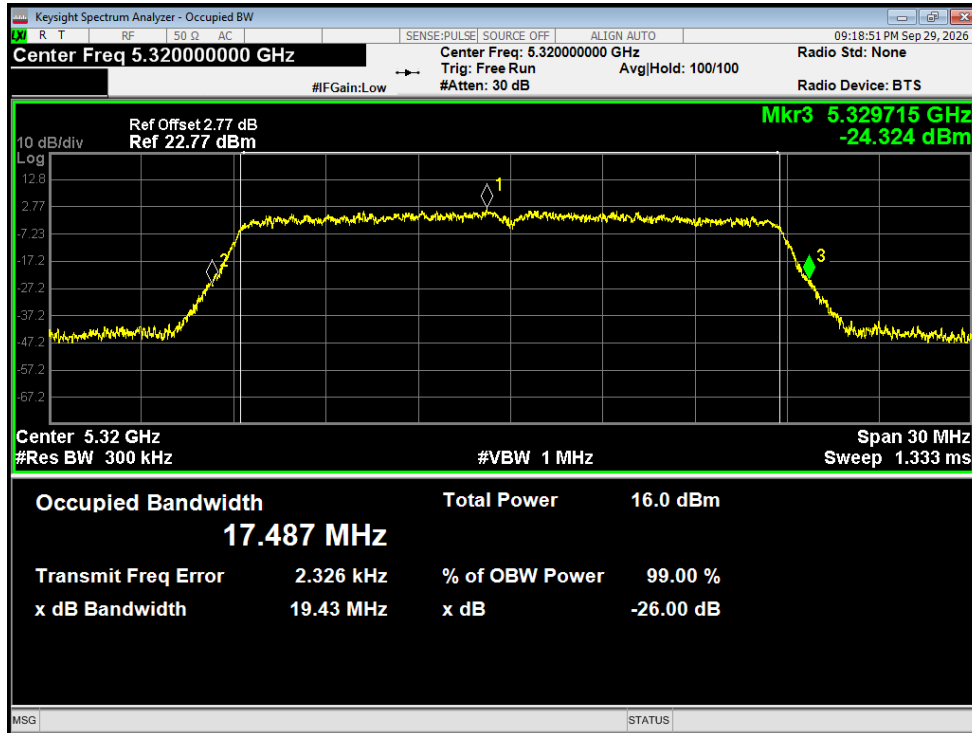
-26dB Bandwidth NVNT ac20 5260MHz Ant1



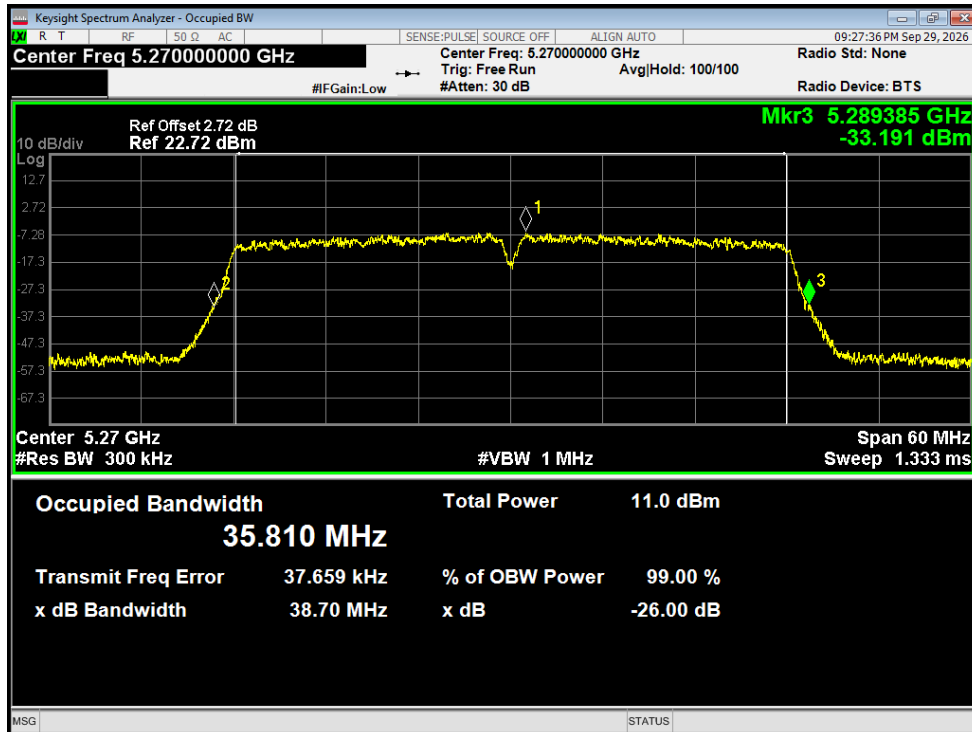
-26dB Bandwidth NVNT ac20 5280MHz Ant1



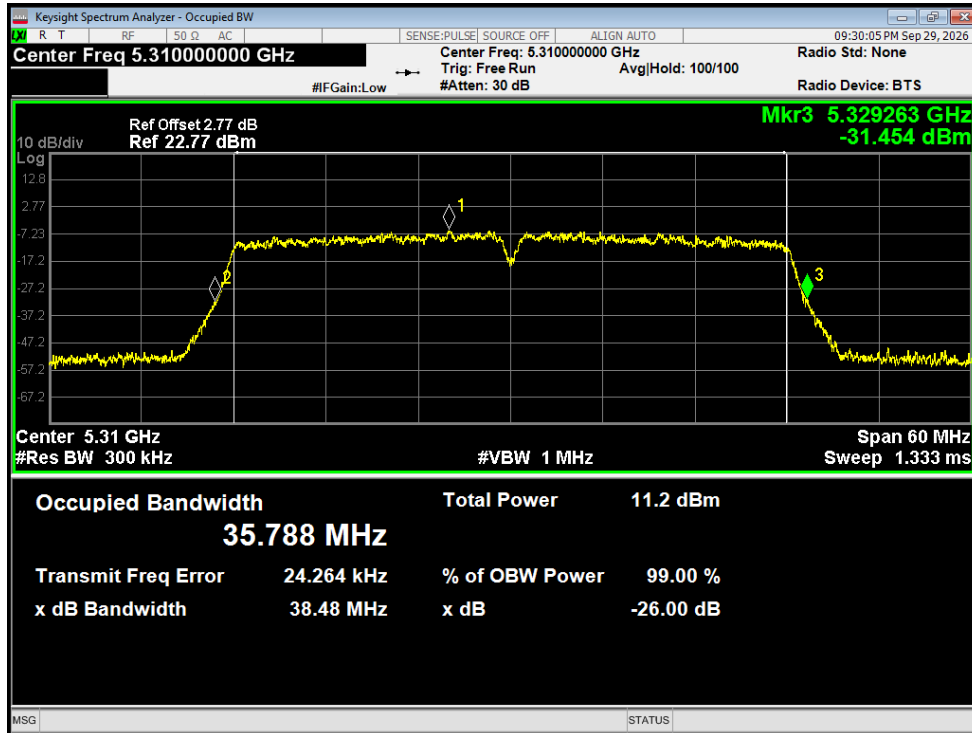
-26dB Bandwidth NVNT ac20 5320MHz Ant1



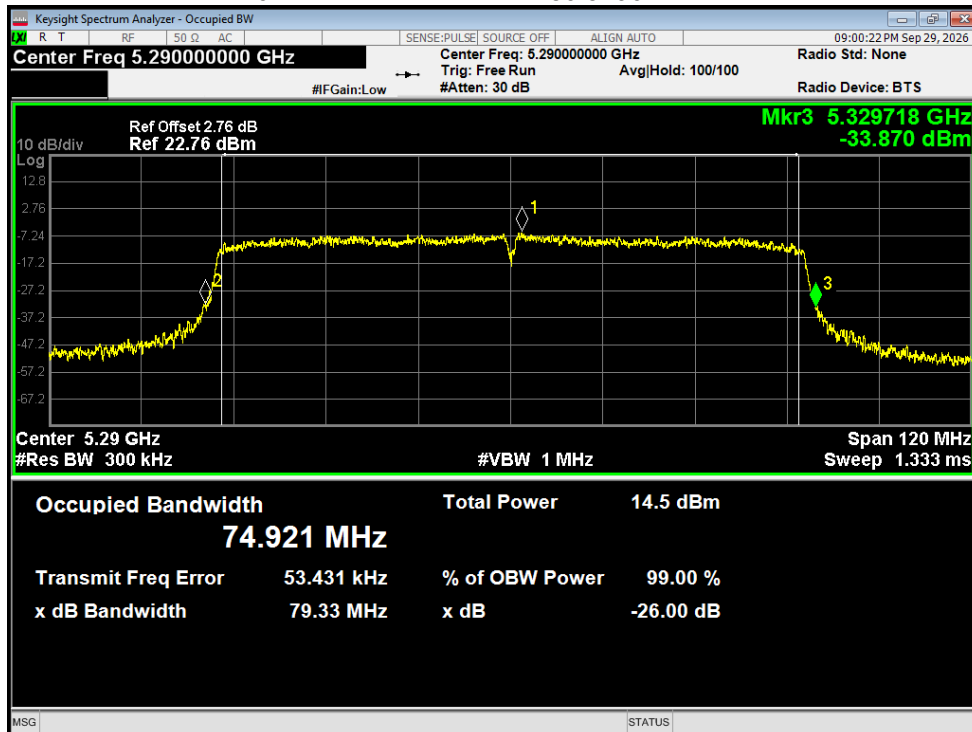
-26dB Bandwidth NVNT ac40 5270MHz Ant1



-26dB Bandwidth NVNT ac40 5310MHz Ant1



-26dB Bandwidth NVNT ac80 5290MHz Ant1





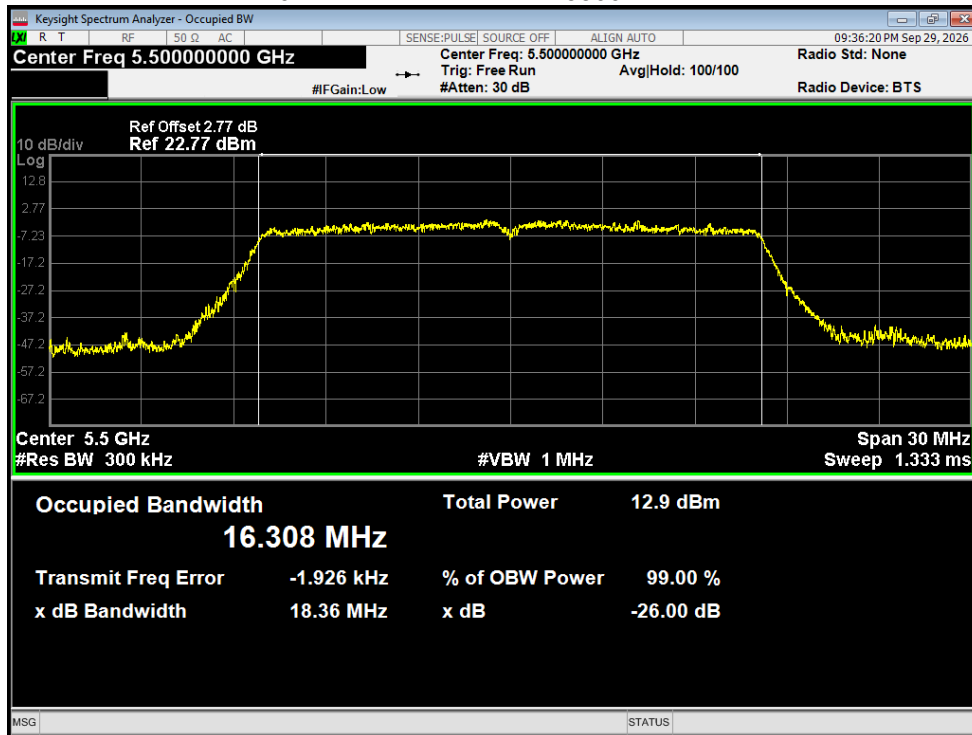
ANT1

5500-5700MHz

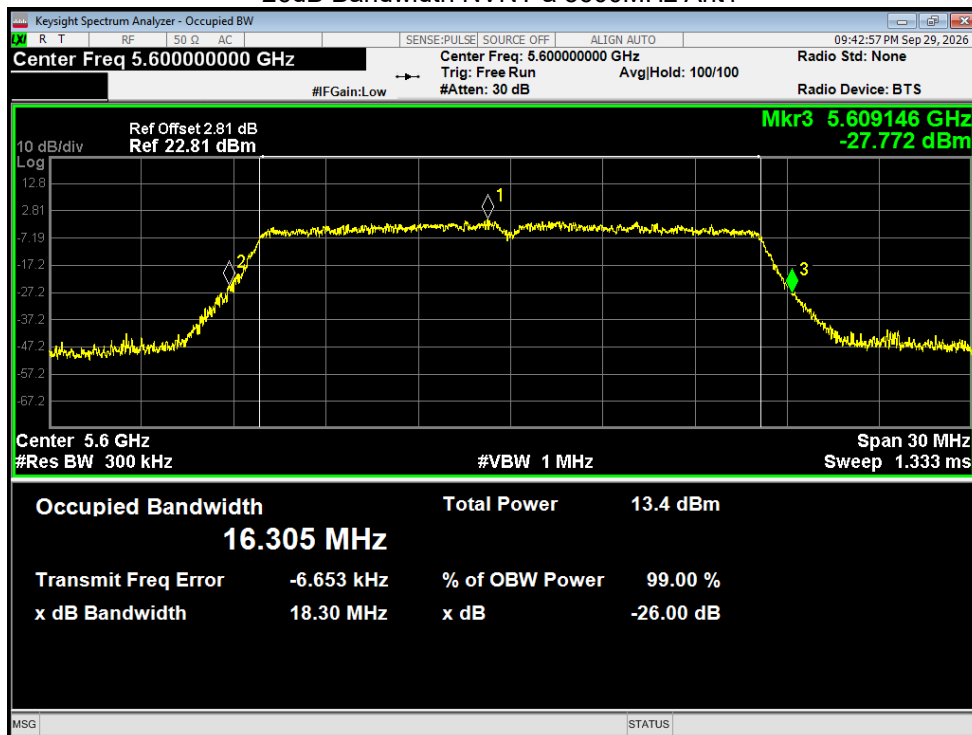
Test CH	-26dB Channel Bandwidth (MHz)						Result
	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80	
Lowest	18.36	19.31	19.39	38.46	38.53	79.22	Pass
Middle	18.30	19.37	19.38	38.61	38.66	--	
Highest	18.44	19.53	19.28	38.55	38.49	79.62	

Remark: "---"is not applicable

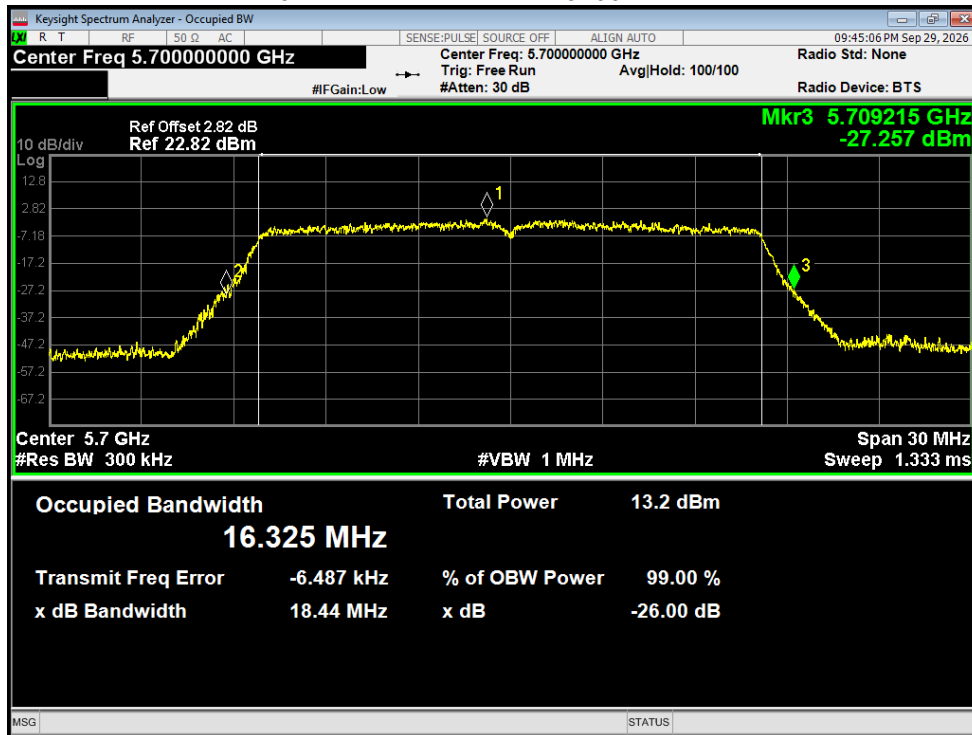
-26dB Bandwidth NVNT a 5500MHz Ant1



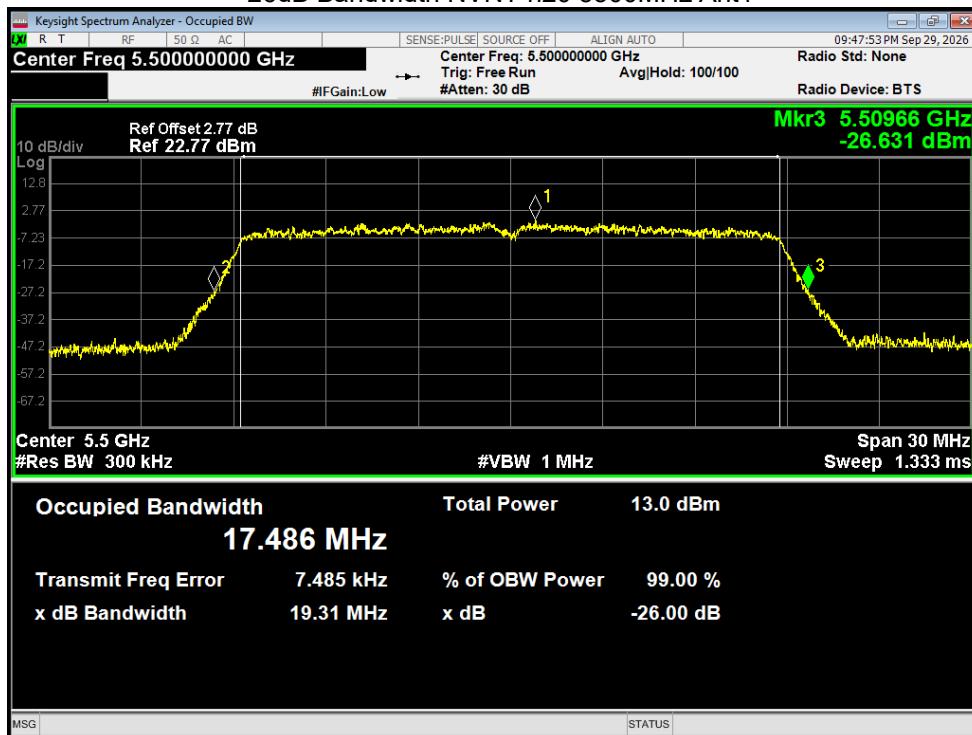
-26dB Bandwidth NVNT a 5600MHz Ant1



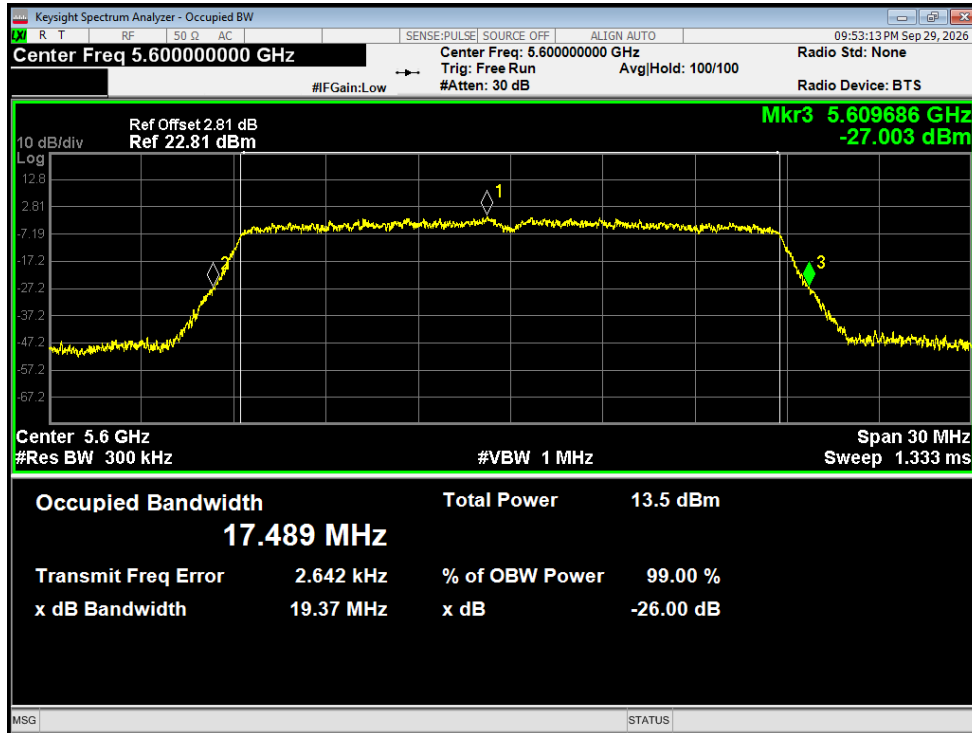
-26dB Bandwidth NVNT a 5700MHz Ant1



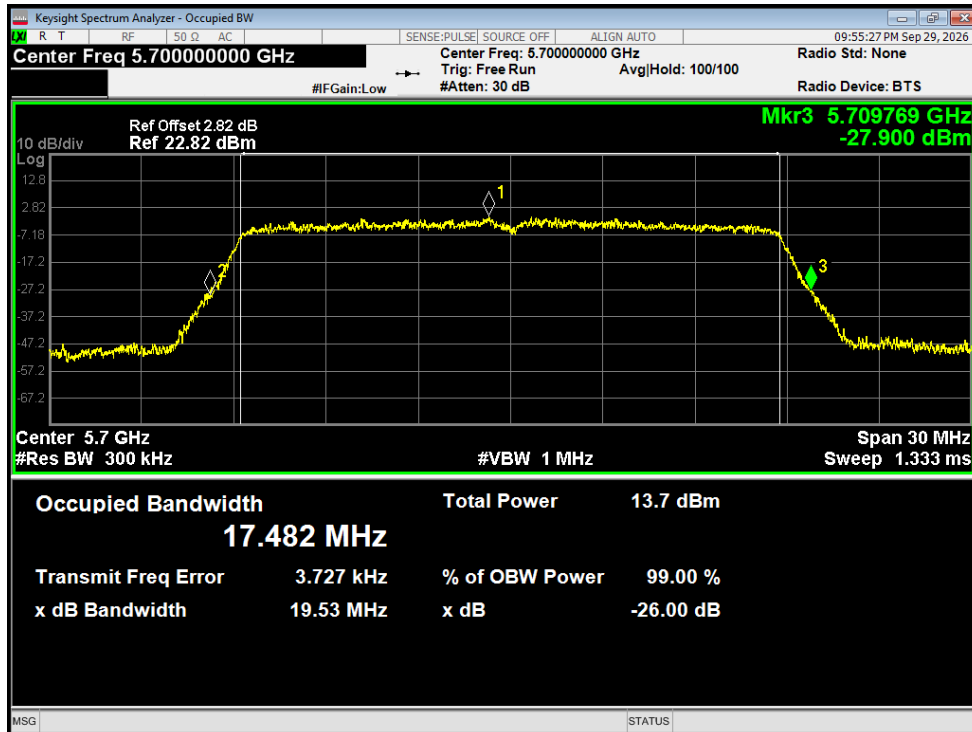
-26dB Bandwidth NVNT n20 5500MHz Ant1



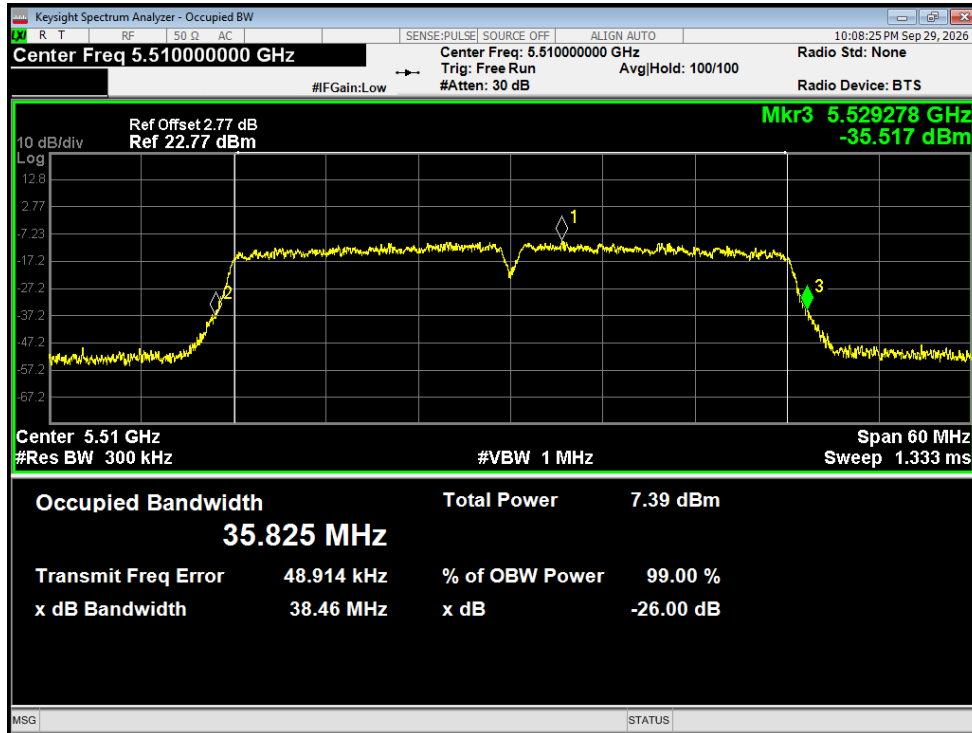
-26dB Bandwidth NVNT n20 5600MHz Ant1



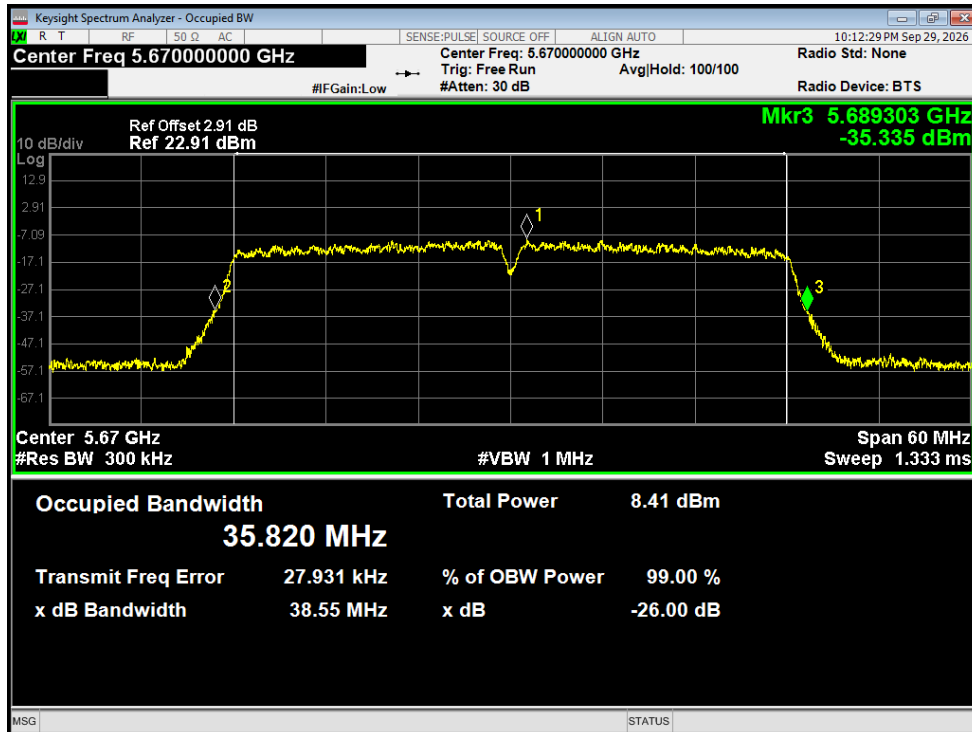
-26dB Bandwidth NVNT n20 5700MHz Ant1



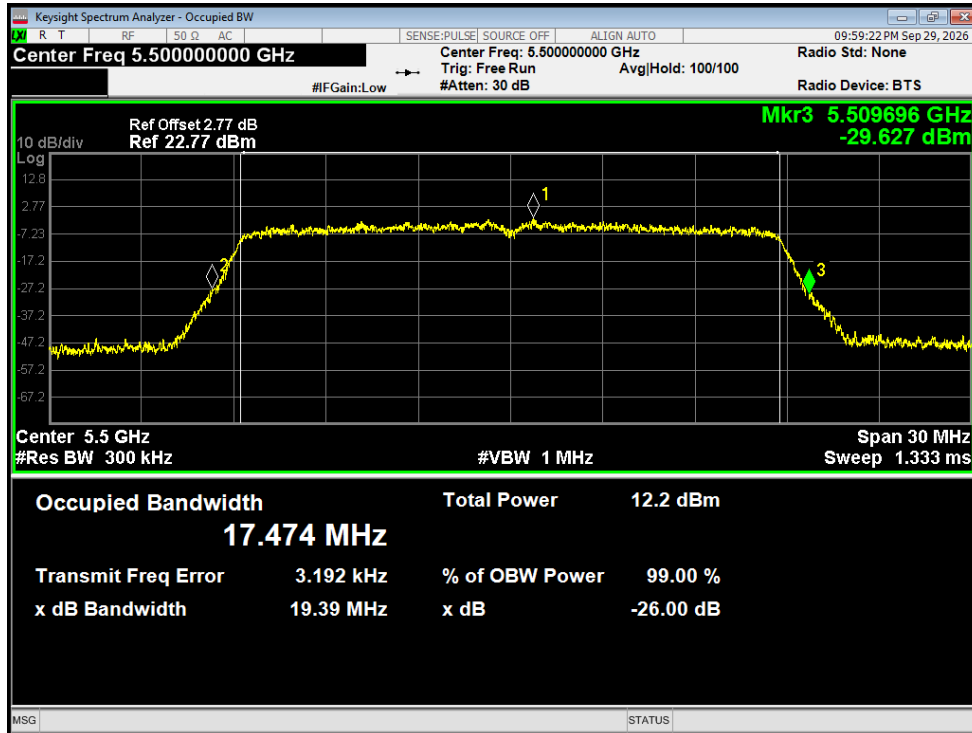
-26dB Bandwidth NVNT n40 5510MHz Ant1



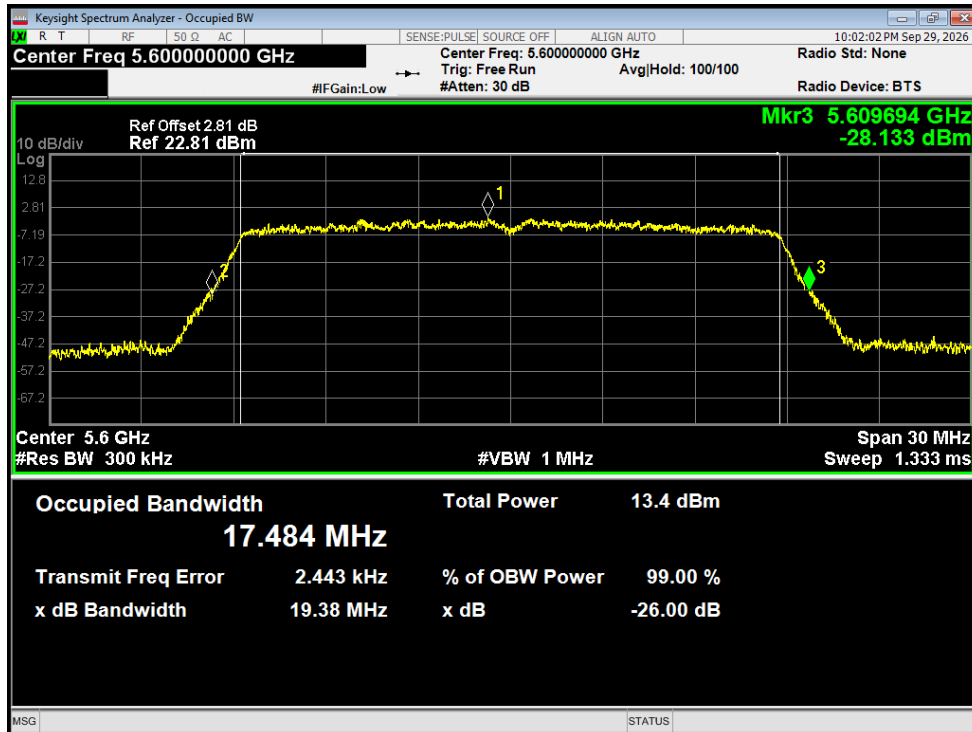
-26dB Bandwidth NVNT n40 5670MHz Ant1



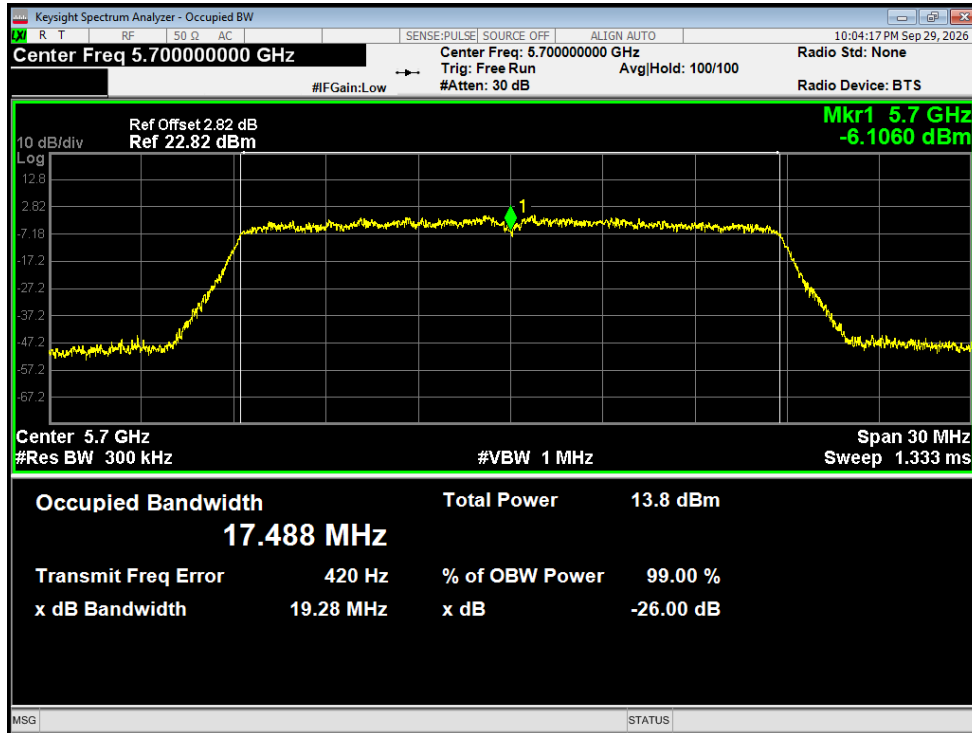
-26dB Bandwidth NVNT ac20 5500MHz Ant1



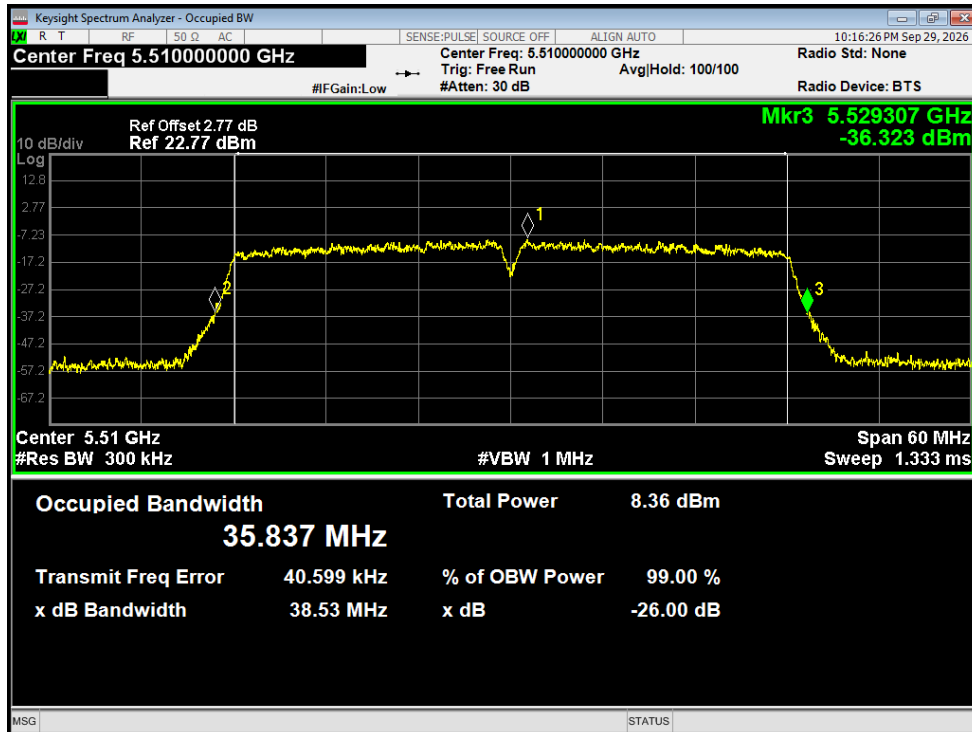
-26dB Bandwidth NVNT ac20 5600MHz Ant1



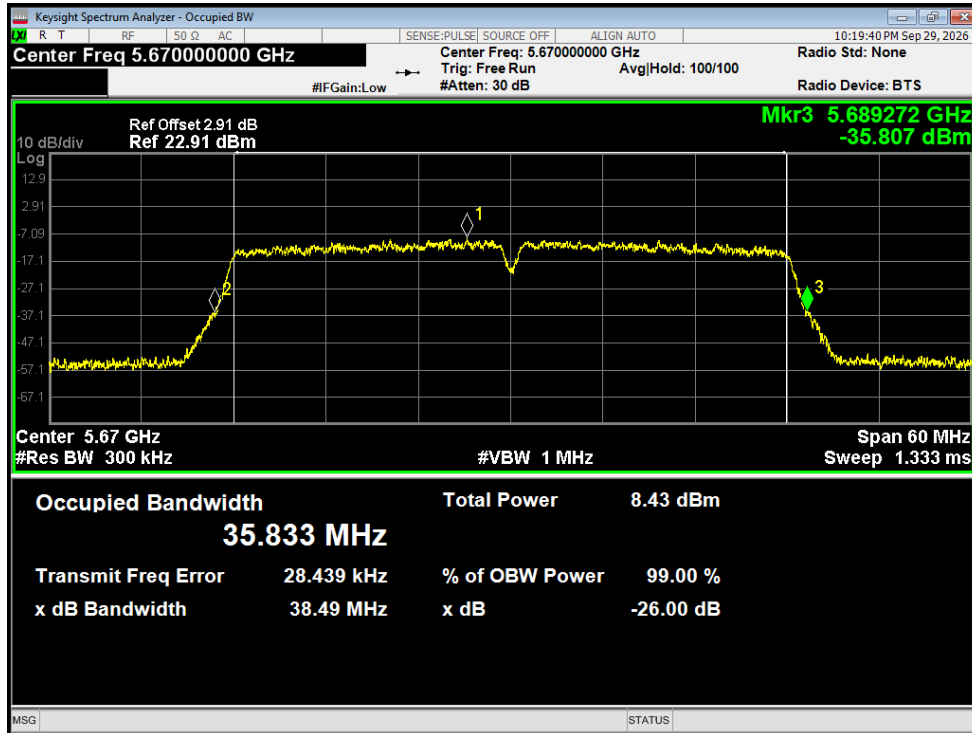
-26dB Bandwidth NVNT ac20 5700MHz Ant1



-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1

