RF Test Report

For

Applicant Name:	**TECNO MOBILE LIMITED**
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
EUT Name:	Laptop Computer
Brand Name:	TECNO
Model Number:	T15RA
Series Model Number:	Refer to section 2

Issued By

Company Name:	**BTF Testing Lab (Shenzhen) Co., Ltd.**
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Report Number:	BTF230918R00303
Test Standards:	47 CFR Part 15.247
Test Conclusion:	Pass
FCC ID:	2ADYY-T15RA
Test Date:	2023-08-25 to 2023-09-21
Date of Issue:	2023-09-22
Prepared By:	Chris Liu / Project Engineer
Date:	2023-09-22
Approved By:	Ryan.CJ / EMC Manager
Date:	2023-09-22

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Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-09-22	Original
Note: Once the revision has been made, then previous versions reports are invalid.		

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BTF Testing Lab (Shenzhen) Co., Ltd.
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1 Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130
FCC Registration Number:	518915
Designation Number:	CN1330

1.3 Announcement

(1) The test report reference to the report template version v0.
(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
(3) The test report is invalid if there is any evidence and/or falsification.
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(6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 Product Information

2.1 Application Information

Company Name:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.2 Manufacturer Information

Company Name:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

2.3 Factory Information

Company Name:	GUANGXI SHANCHAUN TECHNOLOGY CO LTD
Address:	The Second Floor of Plant C01, Plant C02, Plant C03 and Plant D03 Guangxi Sannuo Smart Industrial Park, No.3, Gaoke Road, Beihai Industrial Park, BEIHAI, 536000 Guangxi, P.R.China

2.4 General Description of Equipment under Test (EUT)

EUT Name:	Laptop Computer
Test Model Number:	T15RA
Series Model Number:	N/A
Software Version:	Win 11 home
Hardware Version:	N156EAL01_MB_V11

2.5 Technical Information

Power Supply:	Li-ion Battery: 156 Rated Voltage: 11.55V Rated Capacity: 6060mAh/70Wh Typical Capacity: 6160mAh/71.14Wh Limited Charge Voltage: 13.2V
Power Adaptor:	Adapter1:TCW-A61S-65W Input: 100-240V~50/60Hz 1.5A Max Output: PD: 5V⎓3A 9V⎓3A 12V⎓3A 15V⎓3A 20V⎓3.25A PPS:3.3-11V⎓5A Max Adapter2: DS65-2 Input: 100-240V~50/60Hz 1.5A Max Output: 5.0V⎓3.0A 9.0V⎓3.0A 12.0V⎓3.0A 15.0V⎓3.0A 20.0V⎓3.25A 65.0W
Operation Frequency:	802.11b/g/n/ax(HT20): 2412MHz to 2462MHz; 802.11n/ax(HT40): 2422MHz to 2452MHz
Number of Channels:	802.11b/g/n/ax(HT20): 11 Channels; 802.11n/ax(HT40): 7 Channels
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g/n/ax: OFDM/OFDMA(BPSK,QPSK,16QAM,64QAM,256QAM,1024QAM;
Antenna Type:	Integral Antenna
MIAN Antenna Gain#:	2.37dBi
AUX Antenna Gain#:	3.49dBi

Note:

#: The antenna gain provided by the applicant, and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.

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3 Summary of Test Results

3.1 Test Standards

The tests were performed according to following standards:
47 CFR Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

3.2 Uncertainty of Test

Measurement	Value
Occupied Channel Bandwidth	69 KHz
RF output power, conducted	0.87 dB
Power Spectral Density, conducted	0.69 dB
Unwanted Emissions, conducted	0.94 dB
All emissions, radiated(<1GHz)	4.12 dB
All emissions, radiated(>1GHz)	4.16 dB
Temperature	0.82 °C
Humidity	4.1 %

3.3 Summary of Test Result

Item	Standard	Requirement	Result
Antenna requirement	47 CFR Part 15.247	Part 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15.247	47 CFR 15.207(a)	Pass
Occupied Bandwidth	47 CFR Part 15.247	47 CFR 15.247(a)(2)	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	47 CFR 15.247(b)(3)	Pass
Power Spectral Density	47 CFR Part 15.247	47 CFR 15.247(e)	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (below 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass
Emissions in restricted frequency bands (above 1GHz)	47 CFR Part 15.247	47 CFR 15.247(d)	Pass

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4 Test Configuration

4.1 Test Equipment List

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00953	2022-11-24	2023-11-23
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022-11-24	2023-11-23
V-LISN	SCHWARZBECK	NSLK 8127	01073	2022-11-24	2023-11-23
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWARZ	ESCI3	101422	2022-11-24	2023-11-23

Occupied Bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Maximum Conducted Output Power					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Power Spectral Density					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
RFTest software	/	V1.00	/	/	/

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RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Emissions in non-restricted frequency bands					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
RFTest software	/	V1.00	/	/	/
RF Control Unit	Techy	TR1029-1	/	2022-11-24	2023-11-23
RF Sensor Unit	Techy	TR1029-2	/	2022-11-24	2023-11-23
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022-11-24	2023-11-23
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022-11-24	2023-11-23
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022-11-24	2023-11-23
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022-11-24	2023-11-23

Band edge emissions (Radiated)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-26	2024-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23

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POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	2023-03-26	2024-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (below 1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-26	2024-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	2023-03-26	2024-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

Emissions in restricted frequency bands (above 1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-26	2024-03-25
Preamplifier	SCHWARZBECK	BBV9744	00246	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23

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POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplilifier	SCHWARZBECK	BBV9718D	00008	2023-03-26	2024-03-25
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021-11-28	2023-11-27

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4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 96.45%)
The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.	

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:
Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.
Mode
802.11b
802.11g
802.11n/ax(H20)
802.11n/ax(H40)

Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation
1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.2.According to ANSI C63.10 standards, the test results are both the “worst case” and “worst setup” 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20).Duty cycle setting during the transmission is 96.45% with maximum power setting for all modulations.	

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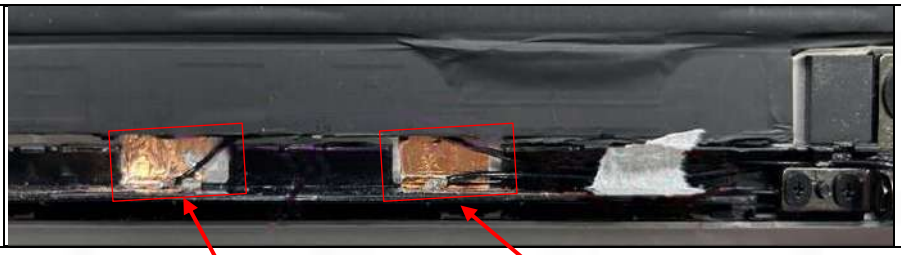
5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

5.1.1 Conclusion:



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6 Radio Spectrum Matter Test Results (RF)

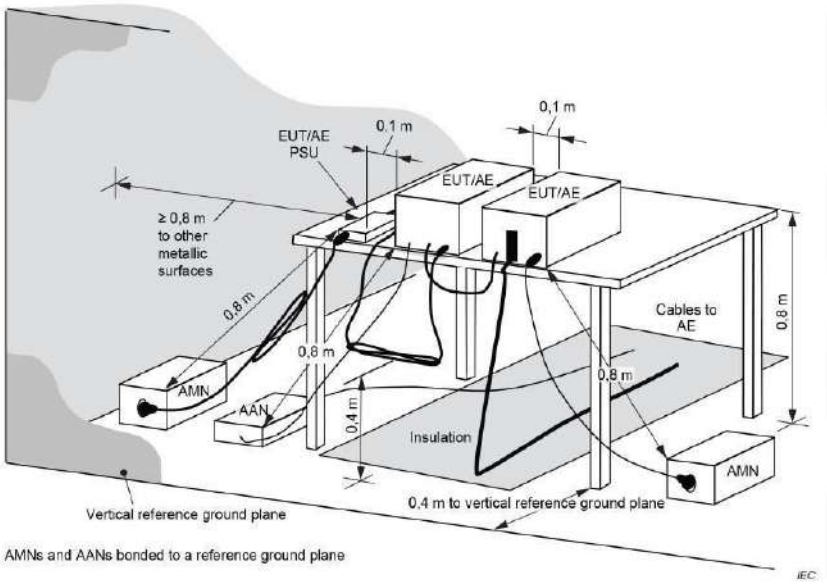
6.1 Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Method:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices
Test Limit:	Frequency of emission (MHz) / Conducted limit (dBμV): 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.

6.1.1 E.U.T. Operation:

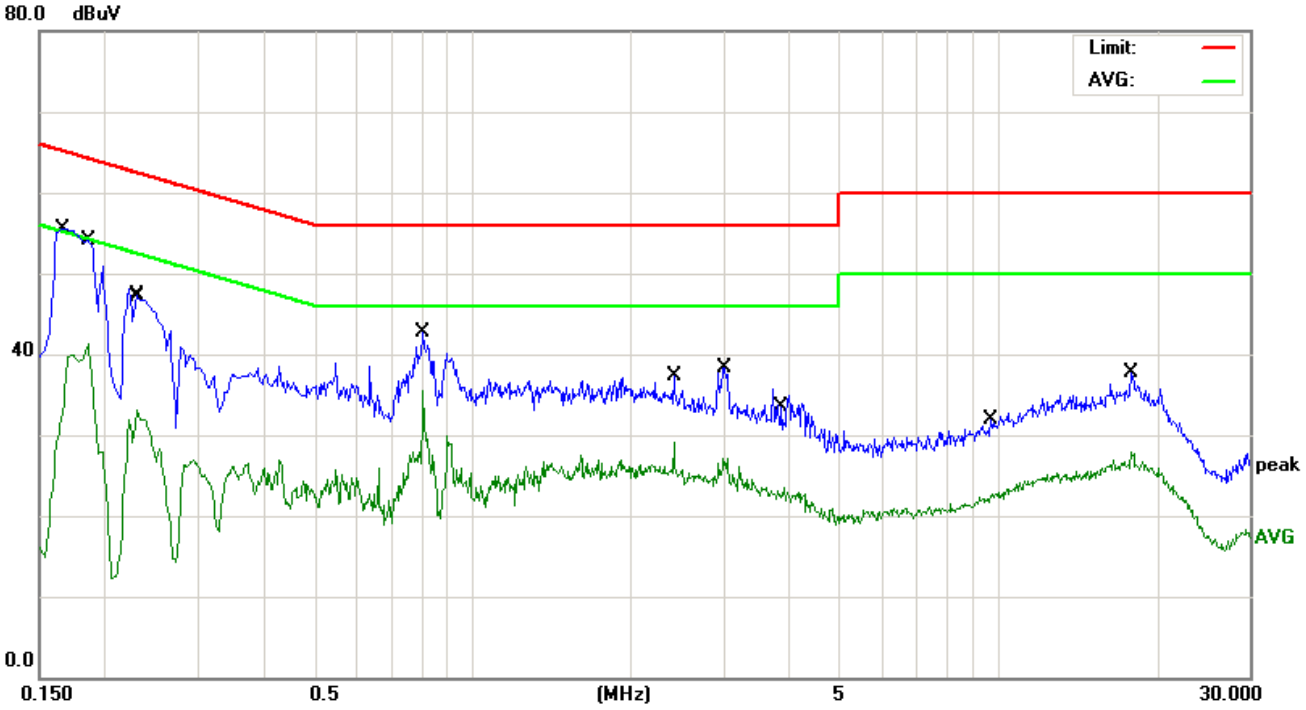
Operating Environment:	
Temperature:	24.8 °C
Humidity:	52.5 %
Atmospheric Pressure:	1010 mbar

6.1.2 Test Setup Diagram:



6.1.3 Test Data:

Line: Line / Band: 2.4G / BW: 20 / CH: M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1660	45.10	10.45	55.55	65.15	-9.60	QP
2		0.1860	30.89	10.45	41.34	54.21	-12.87	AVG
3		0.2300	22.71	10.46	33.17	52.45	-19.28	AVG
4		0.2340	36.31	10.46	46.77	62.30	-15.53	QP
5		0.8059	32.16	10.54	42.70	56.00	-13.30	QP
6		0.8059	25.01	10.54	35.55	46.00	-10.45	AVG
7		2.4180	18.47	10.71	29.18	46.00	-16.82	AVG
8		3.0140	27.65	10.72	38.37	56.00	-17.63	QP
9		3.9140	12.71	10.73	23.44	46.00	-22.56	AVG
10		9.6940	21.15	10.82	31.97	60.00	-28.03	QP
11		17.8980	26.51	11.11	37.62	60.00	-22.38	QP
12		17.8980	16.79	11.11	27.90	50.00	-22.10	AVG

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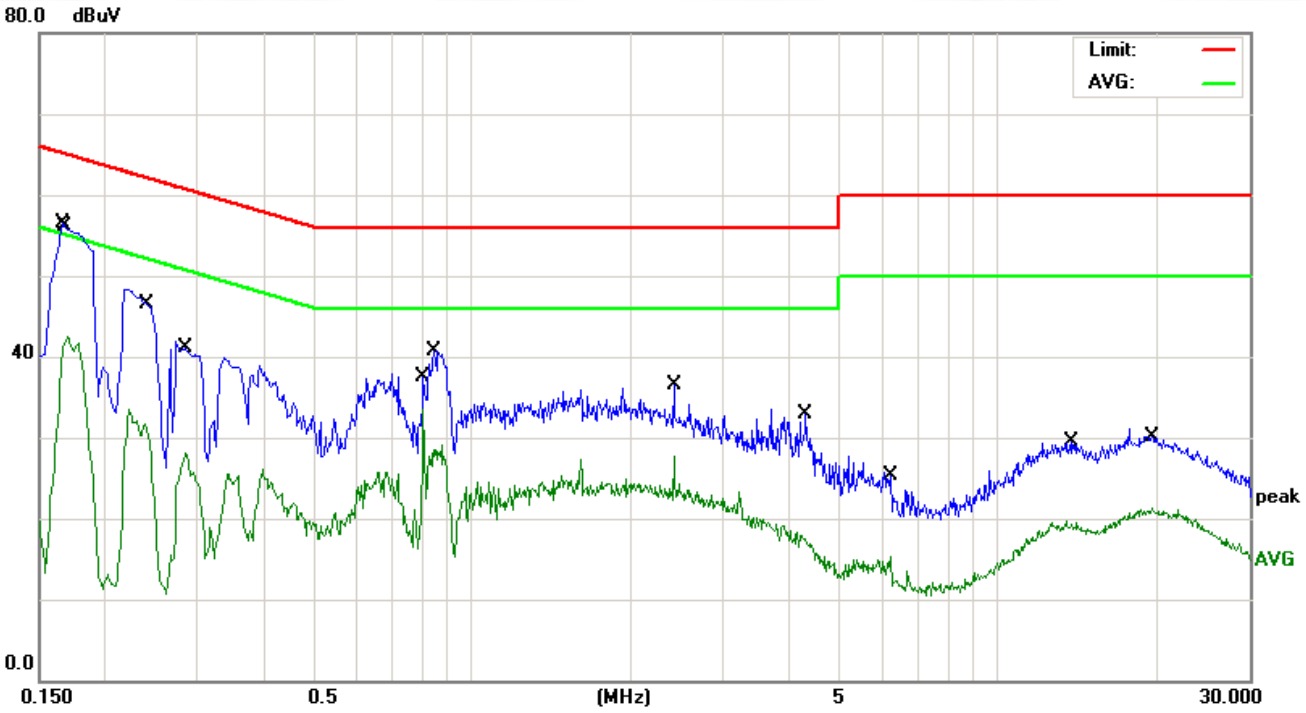
Line: Neutral / Band: 2.4G / BW: 20 / CH: M



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1660	45.98	10.45	56.43	65.15	-8.72	QP
2		0.1700	32.02	10.45	42.47	54.96	-12.49	AVG
3		0.2429	35.76	10.46	46.22	61.99	-15.77	QP
4		0.2860	17.61	10.47	28.08	50.64	-22.56	AVG
5		0.8059	22.96	10.54	33.50	46.00	-12.50	AVG
6		0.8460	30.18	10.54	40.72	56.00	-15.28	QP
7		2.4180	25.70	10.71	36.41	56.00	-19.59	QP
8		2.4180	16.98	10.71	27.69	46.00	-18.31	AVG
9		4.3100	22.22	10.73	32.95	56.00	-23.05	QP
10		6.2260	4.61	10.76	15.37	50.00	-34.63	AVG
11		13.7340	18.34	11.11	29.45	60.00	-30.55	QP
12		19.5980	10.24	11.06	21.30	50.00	-28.70	AVG

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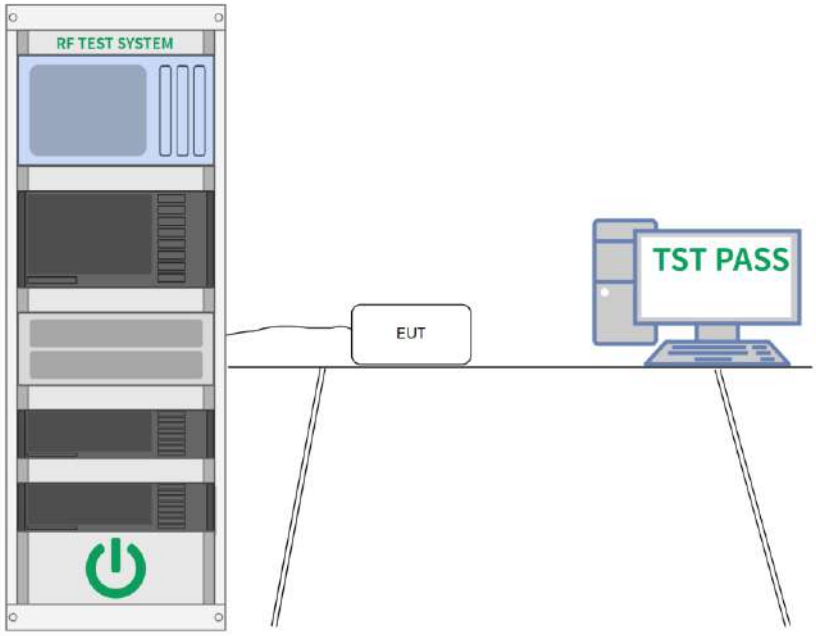
6.2 Occupied Bandwidth

Test Requirement:	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	DTS bandwidth
Test Limit:	Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Procedure:	a) Set RBW = 100 kHz. b) Set the VBW >= [3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) 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.

6.2.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

6.2.2 Test Setup Diagram:



6.2.3 Test Data:

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6.3 Maximum Conducted Output Power

Test Requirement:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	Maximum peak conducted output power
Test Limit:	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Procedure:	ANSI C63.10-2013, section 11.9.1 Maximum peak conducted output power

6.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

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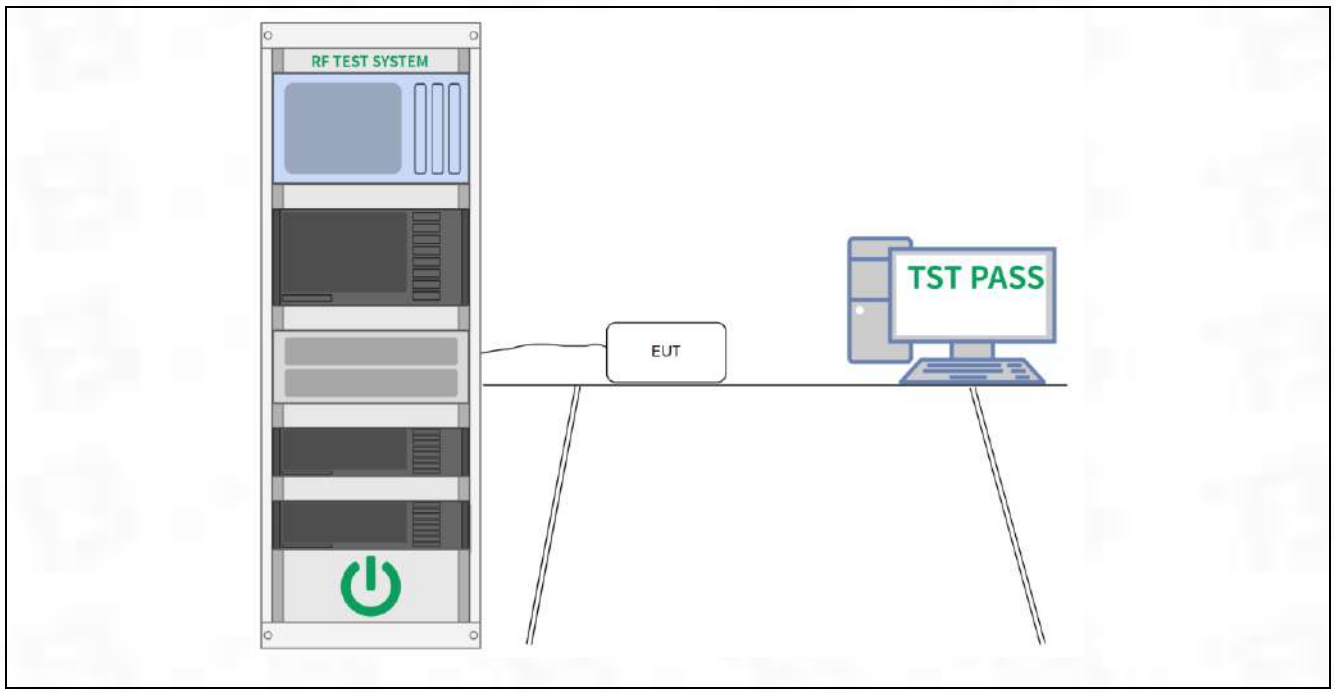
6.3.2 Test Setup Diagram:



6.3.3 Test Data:

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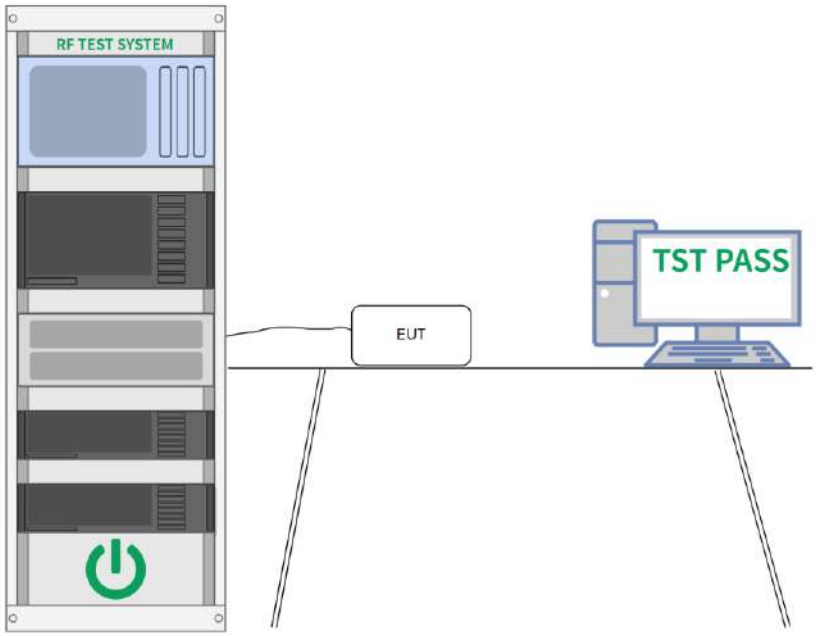
6.4 Power Spectral Density

Test Requirement:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	Maximum power spectral density level in the fundamental emission
Test Limit:	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

6.4.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

6.4.2 Test Setup Diagram:



6.4.3 Test Data:

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6.5 Emissions in non-restricted frequency bands

Test Requirement:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	Emissions in nonrestricted frequency bands
Test Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Procedure:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

6.5.1 E.U.T. Operation:

Operating Environment:	
Temperature:	23.6 °C
Humidity:	52.9 %
Atmospheric Pressure:	1010 mbar

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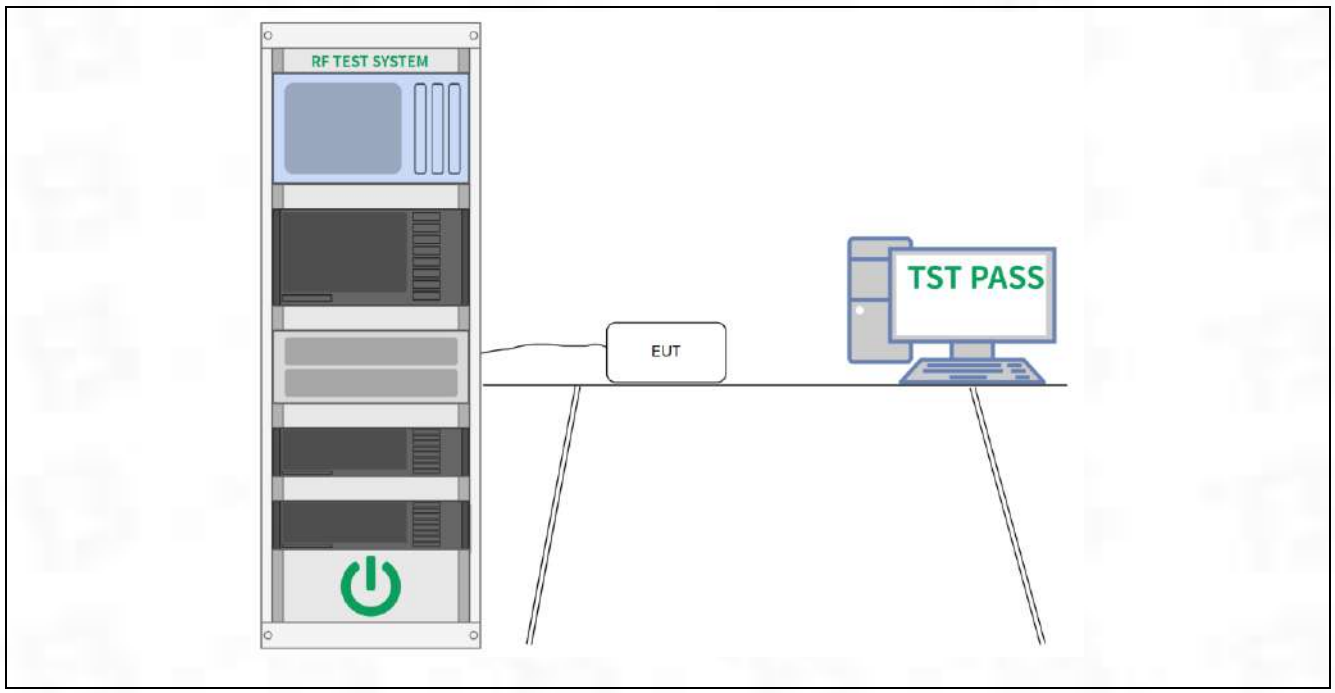
6.5.2 Test Setup Diagram:



6.5.3 Test Data:

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6.6 Band edge emissions (Radiated)

<table>
<tr><td>Test Requirement:</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`</td></tr>
<tr><td>Test Method:</td><td>Radiated emissions tests</td></tr>
<tr><td>Test Limit:</td><td>
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
</td></tr>
<tr><td>Procedure:</td><td>ANSI C63.10-2013 section 6.6.4</td></tr>
</table>

6.6.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

6.6.2 Test Data:

Test result for 802.11b Mode (the worst case)

Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel							
2390	65.79	-8.73	57.06	74	-16.94	H	PK
2390	47.16	-8.73	38.43	54	-15.57	H	AV
2390	66.34	-8.73	57.61	74	-16.39	V	PK
2390	50.11	-8.73	41.38	54	-12.62	V	AV
High Channel							
2483.5	69.86	-8.17	61.69	74	-12.31	H	PK
2483.5	47.52	-8.17	39.35	54	-14.65	H	AV
2483.5	68.94	-8.17	60.77	74	-13.23	V	PK
2483.5	45.85	-8.17	37.68	54	-16.32	V	AV

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6.7 Emissions in restricted frequency bands (below 1GHz)

<table>
<tr><td>Test Requirement:</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`</td></tr>
<tr><td>Test Method:</td><td>Radiated emissions tests</td></tr>
<tr><td>Test Limit:</td><td>
<table>
<tr><td>Frequency (MHz)</td><td>Field strength (microvolts/meter)</td><td>Measurement distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
</td></tr>
<tr><td>Procedure:</td><td>ANSI C63.10-2013 section 6.6.4</td></tr>
</table>

6.7.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

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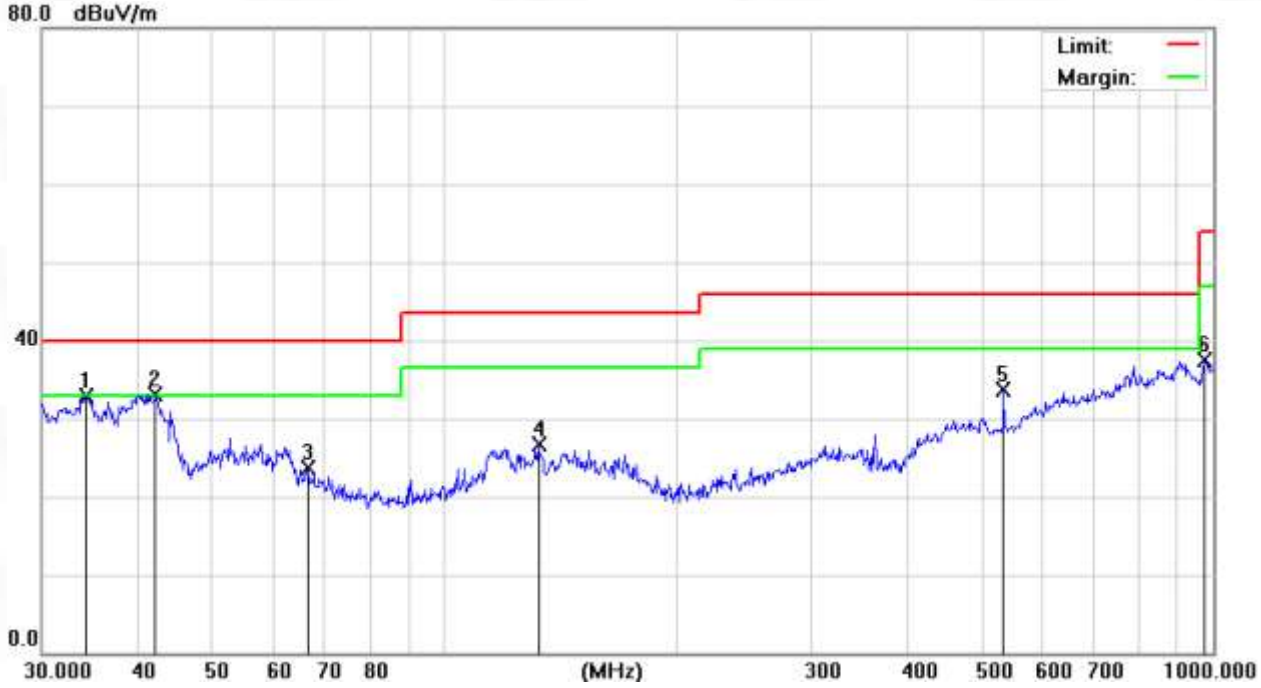
6.7.2 Test Data:

Note: All the mode have been tested, and only the worst case of 802.11n mode are in the report
TM4 / Polarization: Horizontal / Band: 2.4G / BW: 40 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		34.2760	49.41	-16.55	32.86	40.00	-7.14	QP
2	*	42.1542	49.58	-16.52	33.06	40.00	-6.94	QP
3		66.4989	40.32	-16.57	23.75	40.00	-16.25	QP
4		132.6850	43.62	-16.86	26.76	43.50	-16.74	QP
5		533.8321	50.79	-17.08	33.71	46.00	-12.29	QP
6		975.7529	51.61	-14.12	37.49	54.00	-16.51	QP

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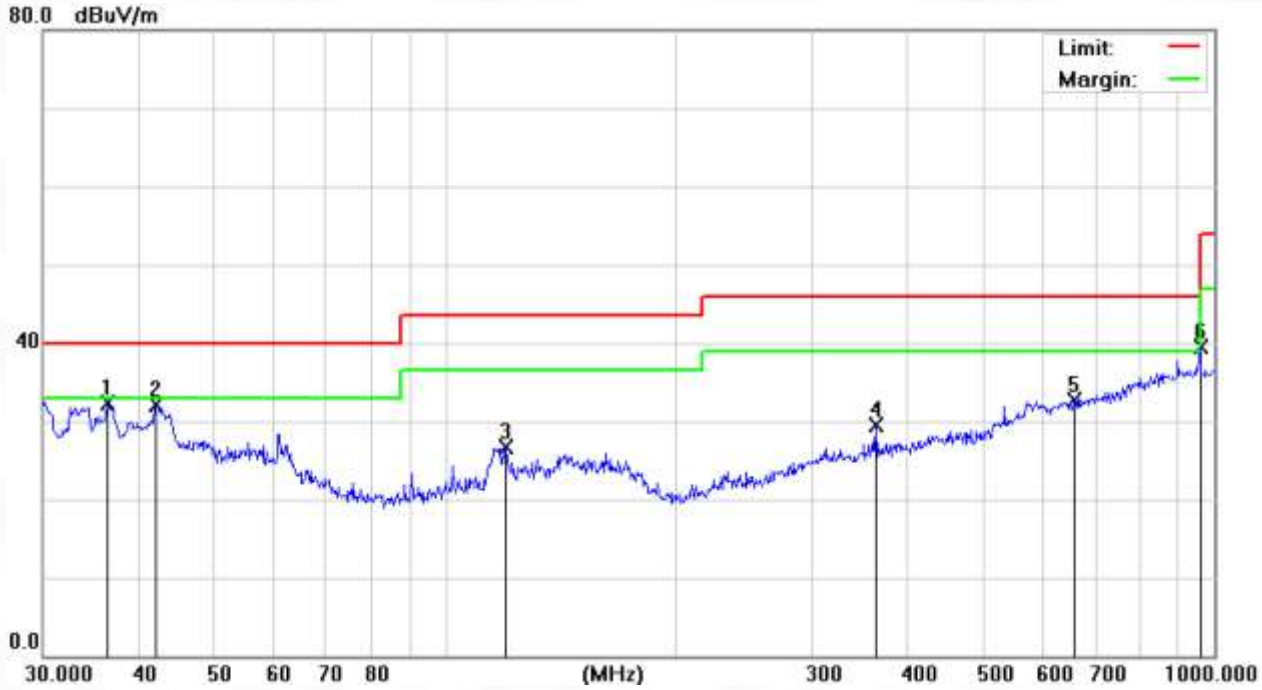
TM4 / Polarization: Vertical / Band: 2.4G / BW: 40 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		36.3814	29.35	2.94	32.29	40.00	-7.71	QP
2		42.0066	28.93	3.18	32.11	40.00	-7.89	QP
3		119.8556	25.60	1.16	26.76	43.50	-16.74	QP
4		362.9844	25.94	3.54	29.48	46.00	-16.52	QP
5		658.8362	22.73	9.90	32.63	46.00	-13.37	QP
6	*	958.7943	24.33	15.18	39.51	46.00	-6.49	QP

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6.8 Emissions in restricted frequency bands (above 1GHz)

<table>
<tr><td>Test Requirement:</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`</td></tr>
<tr><td>Test Method:</td><td>Radiated emissions tests</td></tr>
<tr><td>Test Limit:</td><td>
<table>
<tr><td>Frequency (MHz)</td><td>Field strength (microvolts/meter)</td><td>Measurement distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
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<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
</td></tr>
<tr><td>Procedure:</td><td>ANSI C63.10-2013 section 6.6.4</td></tr>
</table>

6.8.1 E.U.T. Operation:

Operating Environment:	
Temperature:	25.8 °C
Humidity:	51.2 %
Atmospheric Pressure:	1010 mbar

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6.8.2 Test Data:

20MHz(802.11b)-The worst

Freq. (MHz)	Low channel: 2412MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4824	V	60.21	40.23	74	54	-13.79	-13.77
7236	V	58.35	39.05	74	54	-15.65	-14.95
4824	H	59.59	40.83	74	54	-14.41	-13.17
7236	H	58.60	39.60	74	54	-15.40	-14.40

Freq. (MHz)	Middle channel: 2437MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4874	V	59.73	41.34	74	54	-14.27	-12.66
7311	V	59.75	39.47	74	54	-14.25	-14.53
4874	H	59.22	39.22	74	54	-14.78	-14.78
7311	H	58.12	39.12	74	54	-15.88	-14.88

Freq. (MHz)	High channel: 2462MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4924	V	58.99	41.73	74	54	-15.01	-12.27
7386	V	59.40	39.31	74	54	-14.60	-14.69
4924	H	58.57	40.15	74	54	-15.43	-13.85
7386	H	59.85	40.85	74	54	-14.15	-13.15

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40MHz(802.11ax)-The worst

Freq. (MHz)	Low channel: 2422MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4844	V	59.66	41.43	74	54	-14.34	-12.57
7266	V	59.49	39.37	74	54	-14.51	-14.63
4844	H	58.73	40.92	74	54	-15.27	-13.08
7266	H	59.63	40.63	74	54	-14.37	-13.37

Freq. (MHz)	Middle channel: 2437MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4874	V	59.13	40.64	74	54	-14.87	-13.36
7311	V	58.92	40.20	74	54	-15.08	-13.80
4874	H	58.70	39.12	74	54	-15.30	-14.88
7311	H	59.31	40.31	74	54	-14.69	-13.69

Freq. (MHz)	High channel: 2452MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4904	V	58.84	41.06	74	54	-15.16	-12.94
7356	V	59.16	40.72	74	54	-14.84	-13.28
4904	H	59.12	40.50	74	54	-14.88	-13.50
7356	H	59.35	40.35	74	54	-14.65	-13.65

Note:

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.

2. Emission Level= Reading Level+ Probe Factor +Cable Loss.

Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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Appendix

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1. Bandwidth

1.1 BW

1.1.1 Test Result

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.024	0.5	Pass
b	2437	Ant1	10.099	0.5	Pass
b	2462	Ant1	10.102	0.5	Pass
g	2412	Ant1	15.107	0.5	Pass
g	2437	Ant1	15.123	0.5	Pass
g	2462	Ant1	15.132	0.5	Pass
n20	2412	Ant1	15.115	0.5	Pass
n20	2437	Ant1	15.102	0.5	Pass
n20	2462	Ant1	15.102	0.5	Pass
n40	2422	Ant1	35.01	0.5	Pass
n40	2437	Ant1	35.053	0.5	Pass
n40	2452	Ant1	35.077	0.5	Pass
ax20	2412	Ant1	15.169	0.5	Pass
ax20	2437	Ant1	17.23	0.5	Pass
ax20	2462	Ant1	15.123	0.5	Pass
ax40	2422	Ant1	35.097	0.5	Pass
ax40	2437	Ant1	35.097	0.5	Pass
ax40	2452	Ant1	35.436	0.5	Pass

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1.1.2 Test Graph

Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

-6dB Bandwidth NVNT b 2437MHz Ant1

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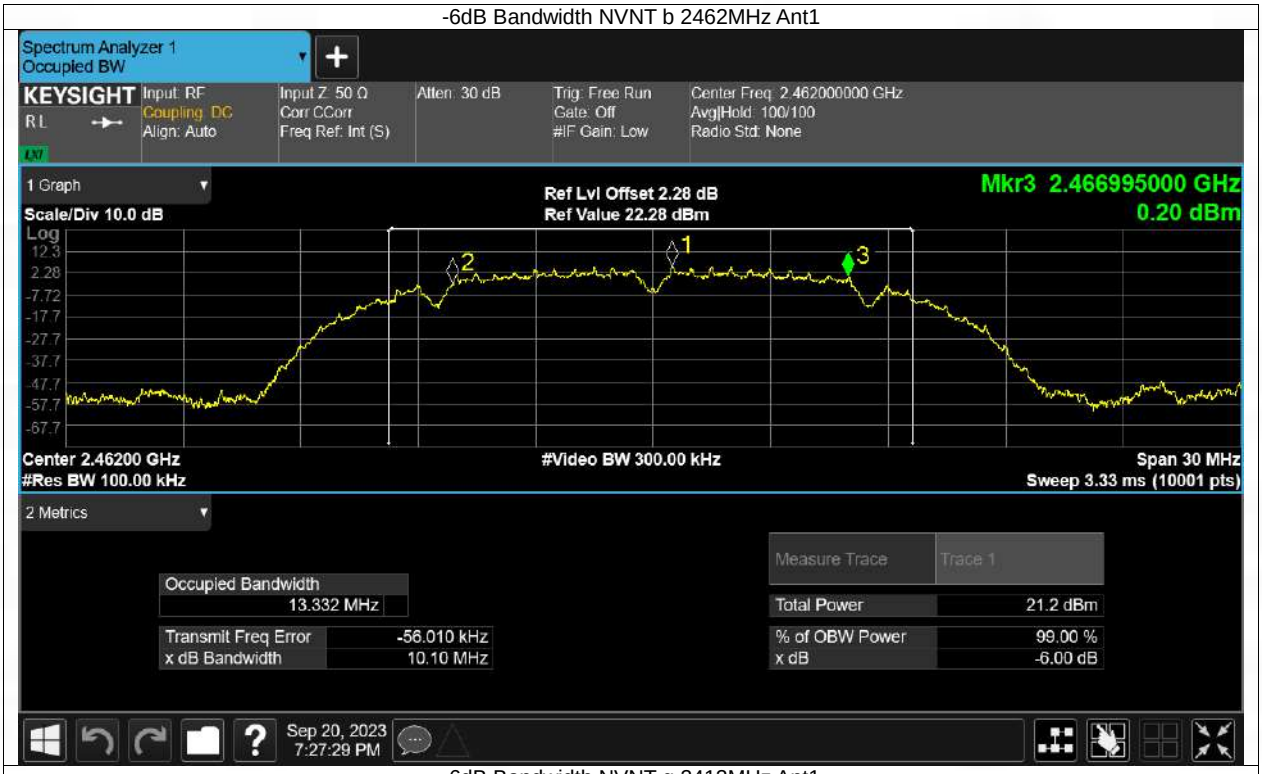
-6dB Bandwidth NVNT b 2462MHz Ant1



-6dB Bandwidth NVNT g 2412MHz Ant1

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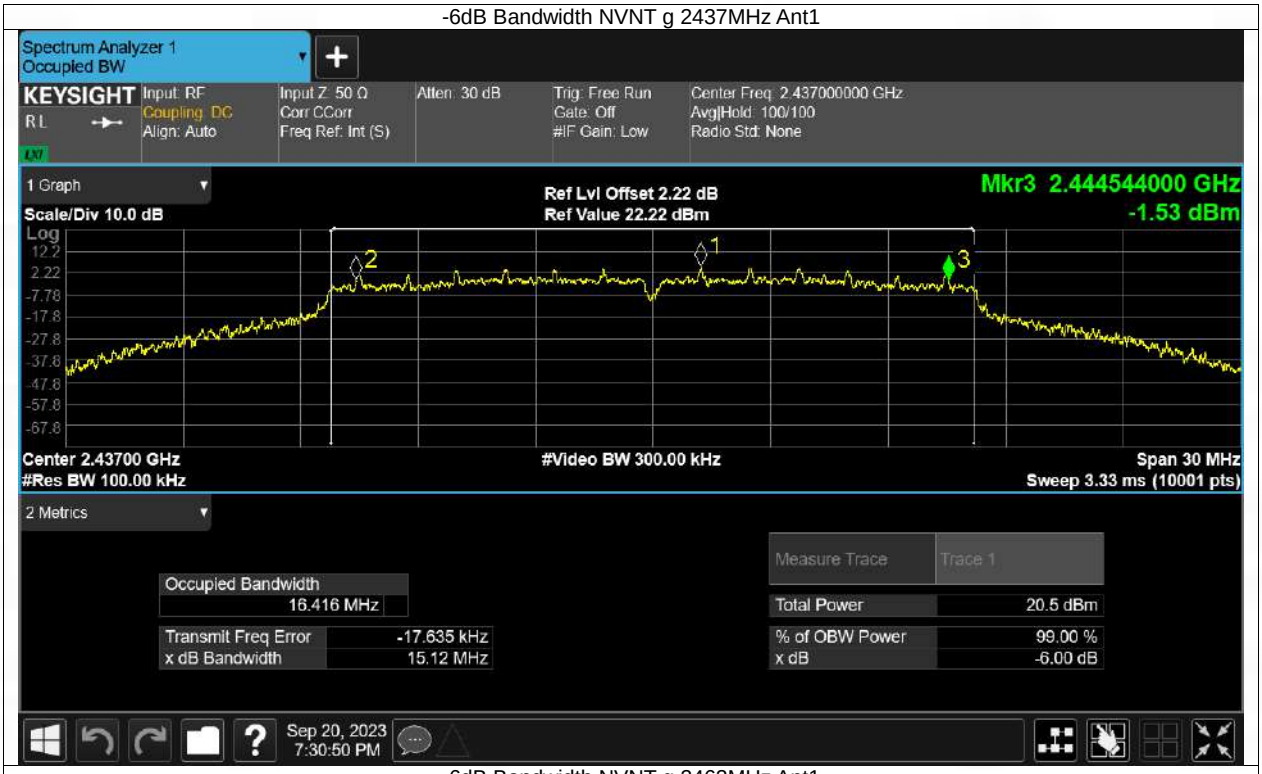
-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1

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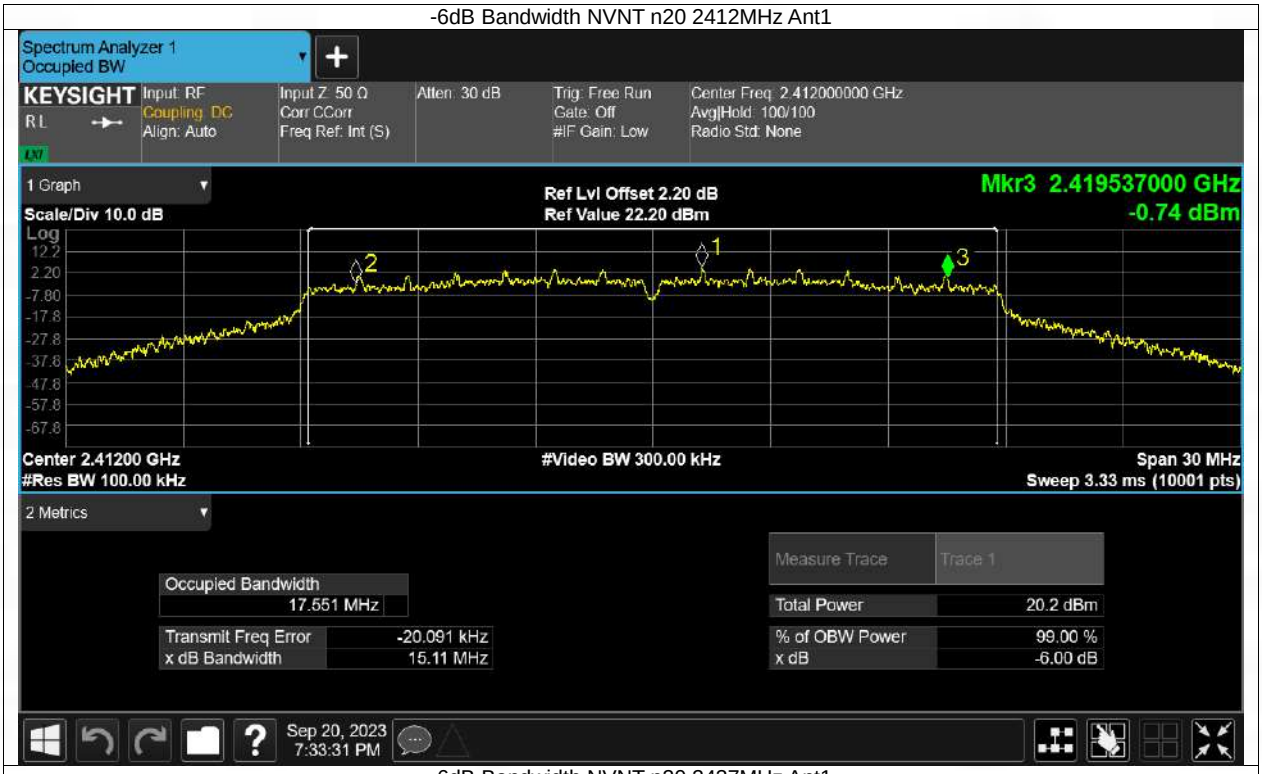
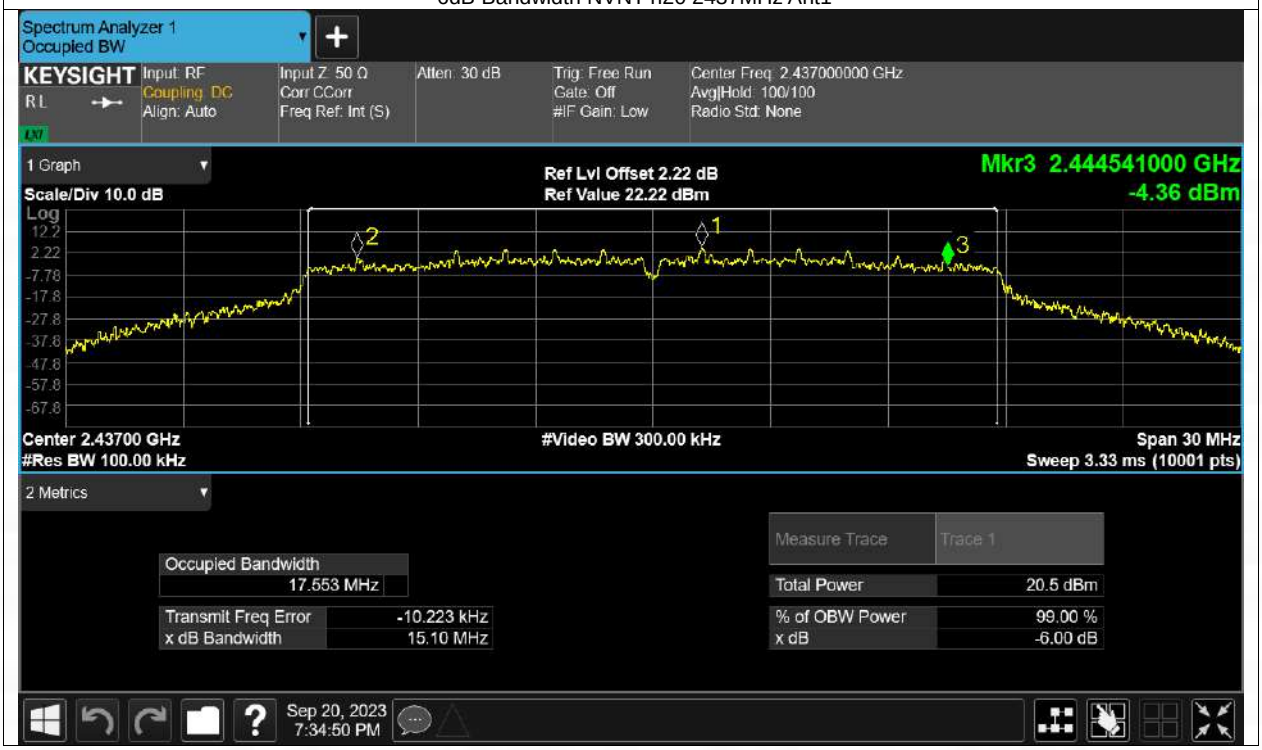
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



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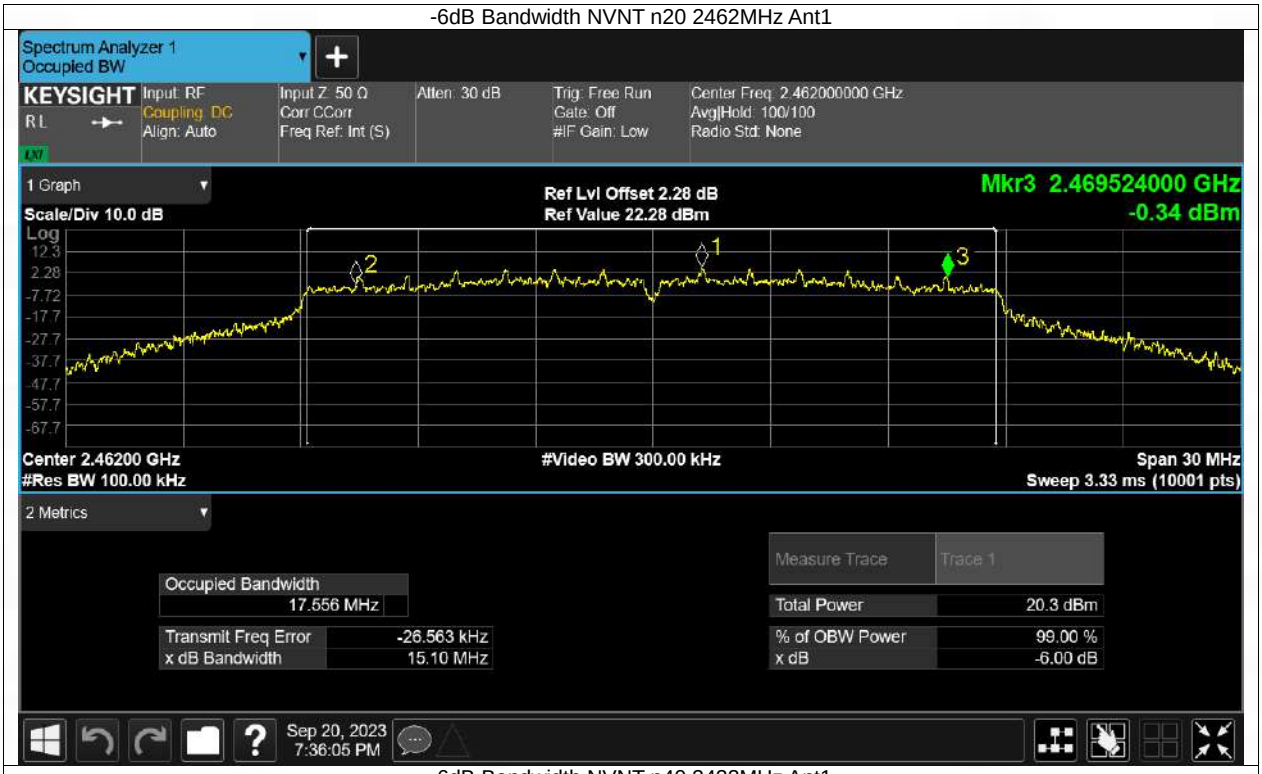
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1

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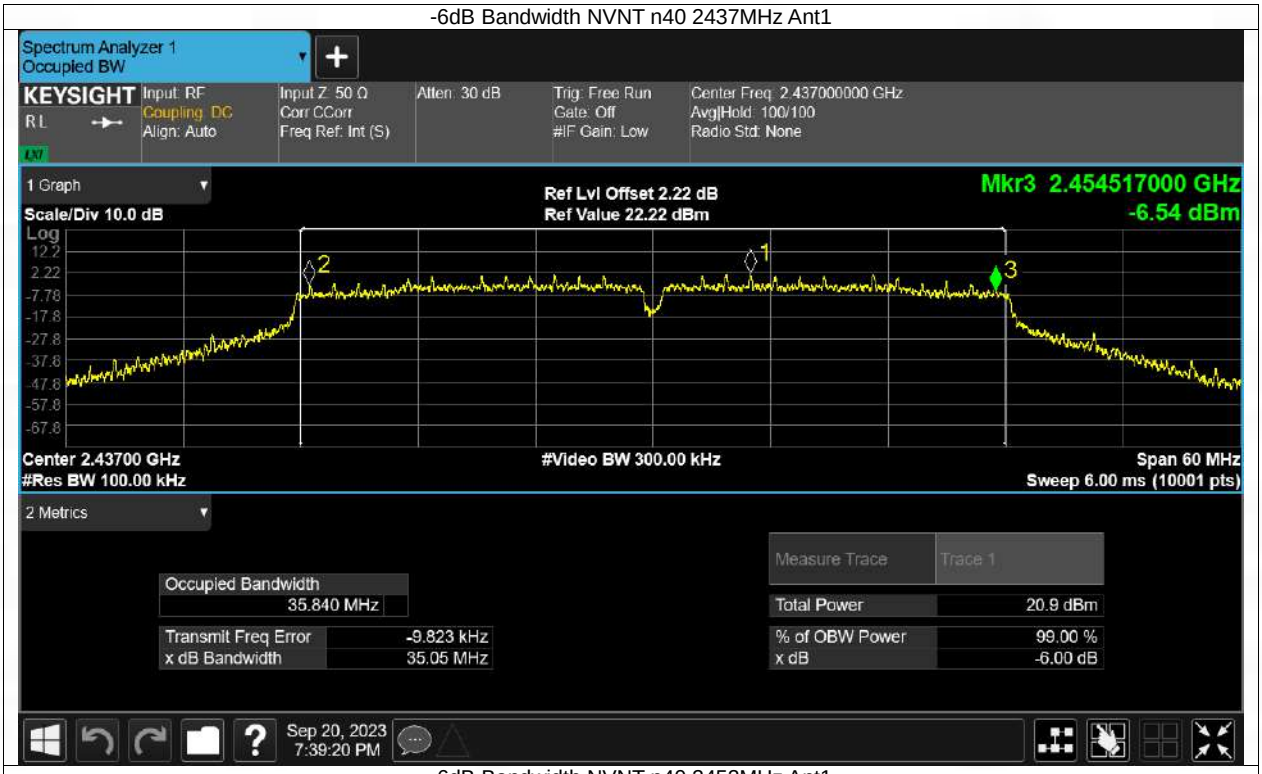
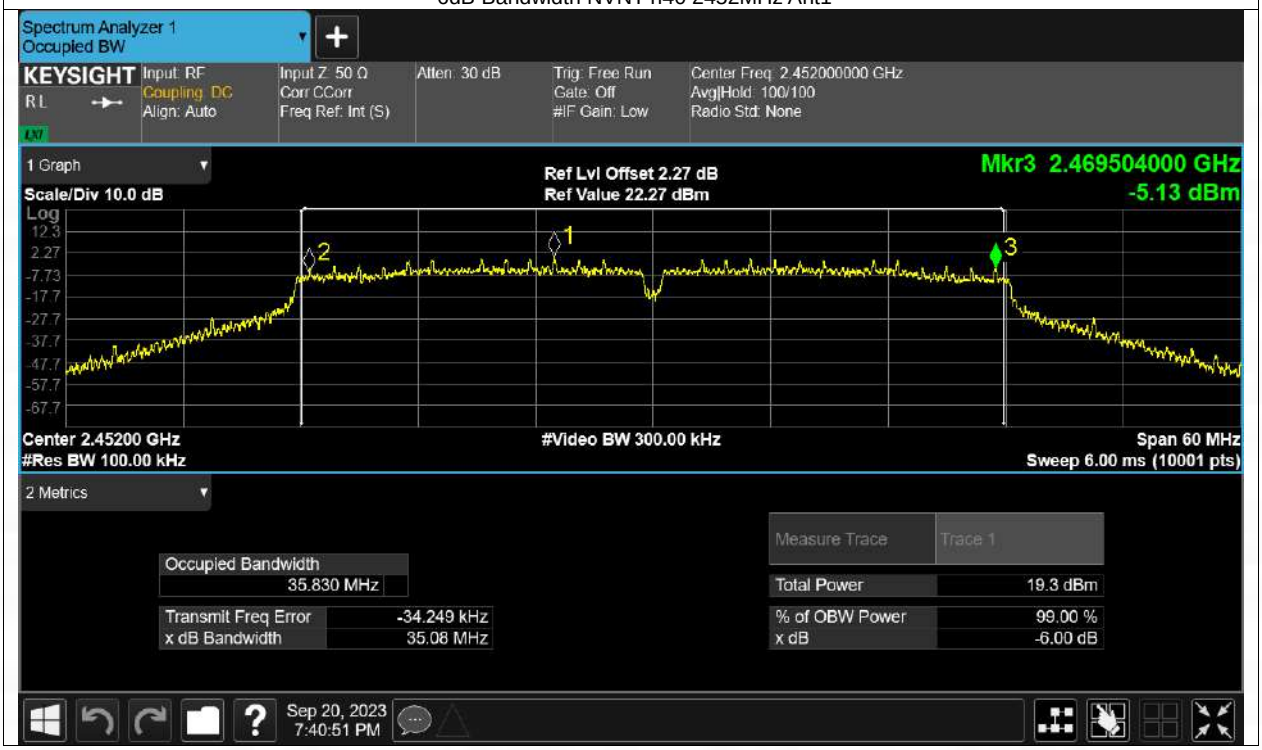
-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



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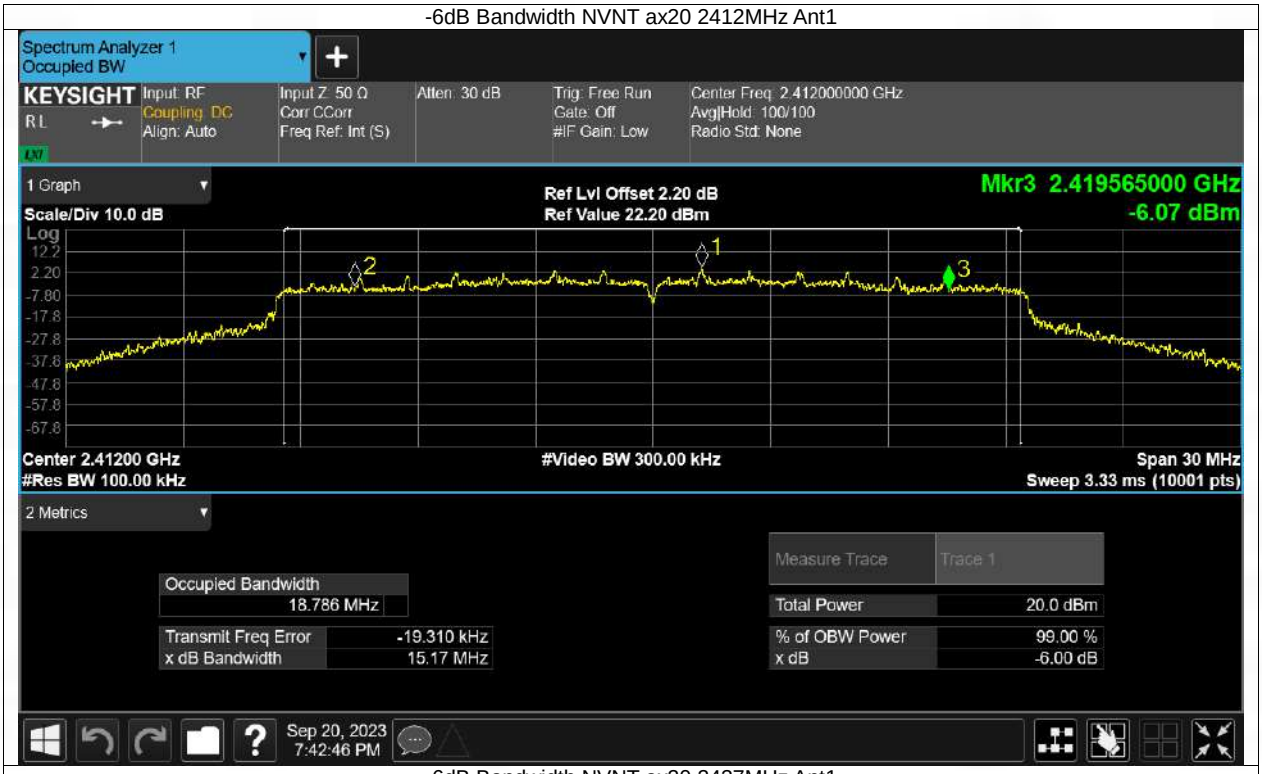
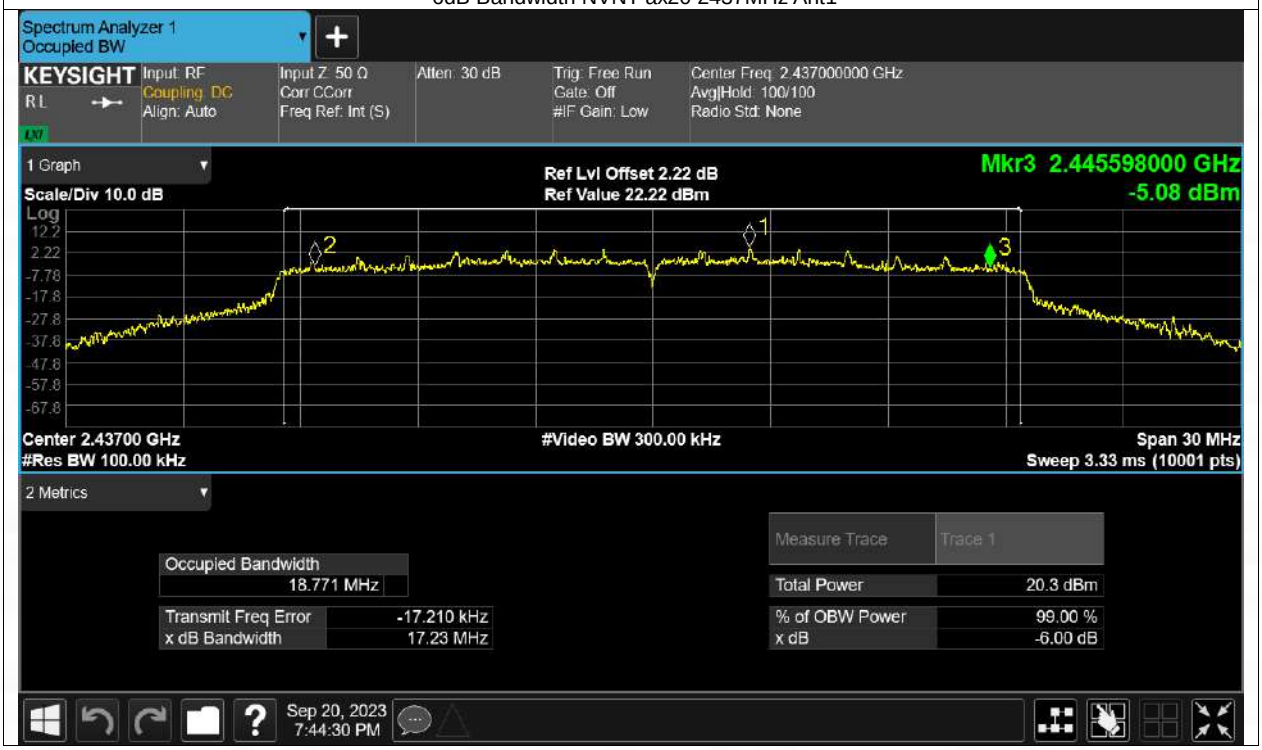
-6dB Bandwidth NVNT ax20 2412MHz Ant1



-6dB Bandwidth NVNT ax20 2437MHz Ant1



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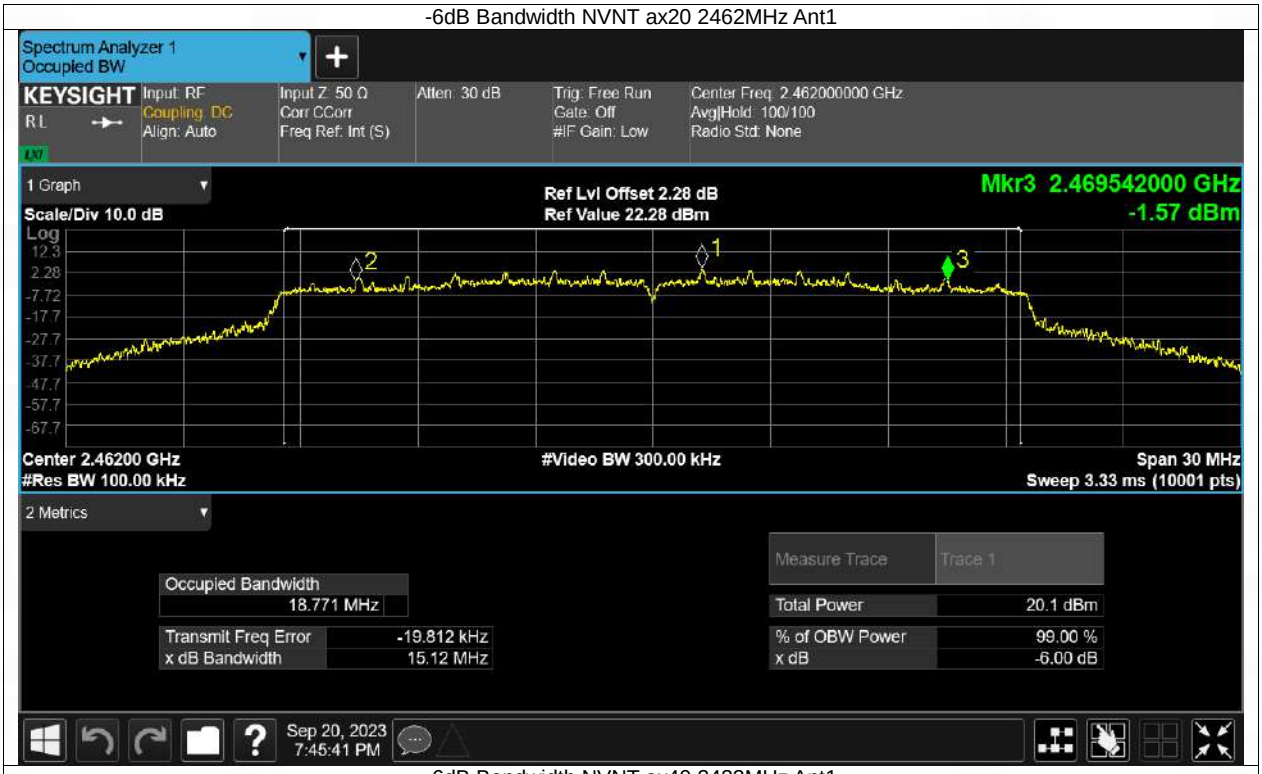
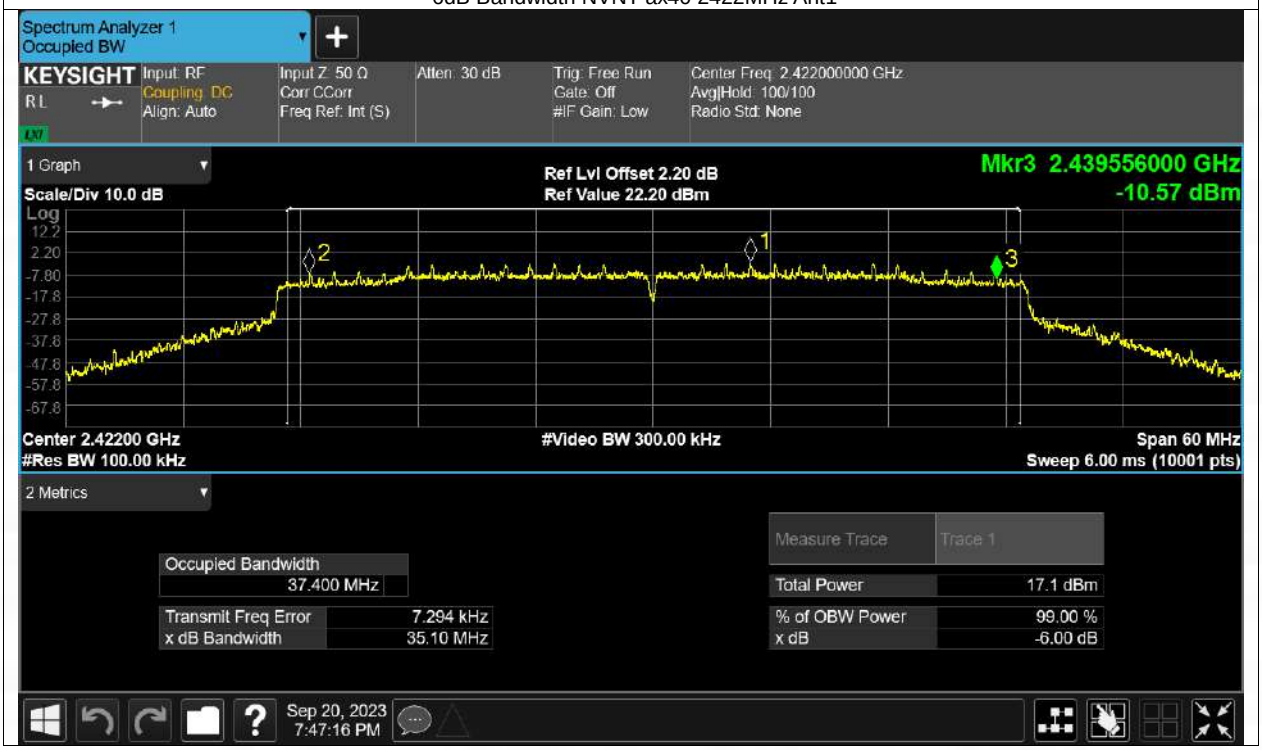
-6dB Bandwidth NVNT ax20 2462MHz Ant1



-6dB Bandwidth NVNT ax40 2422MHz Ant1



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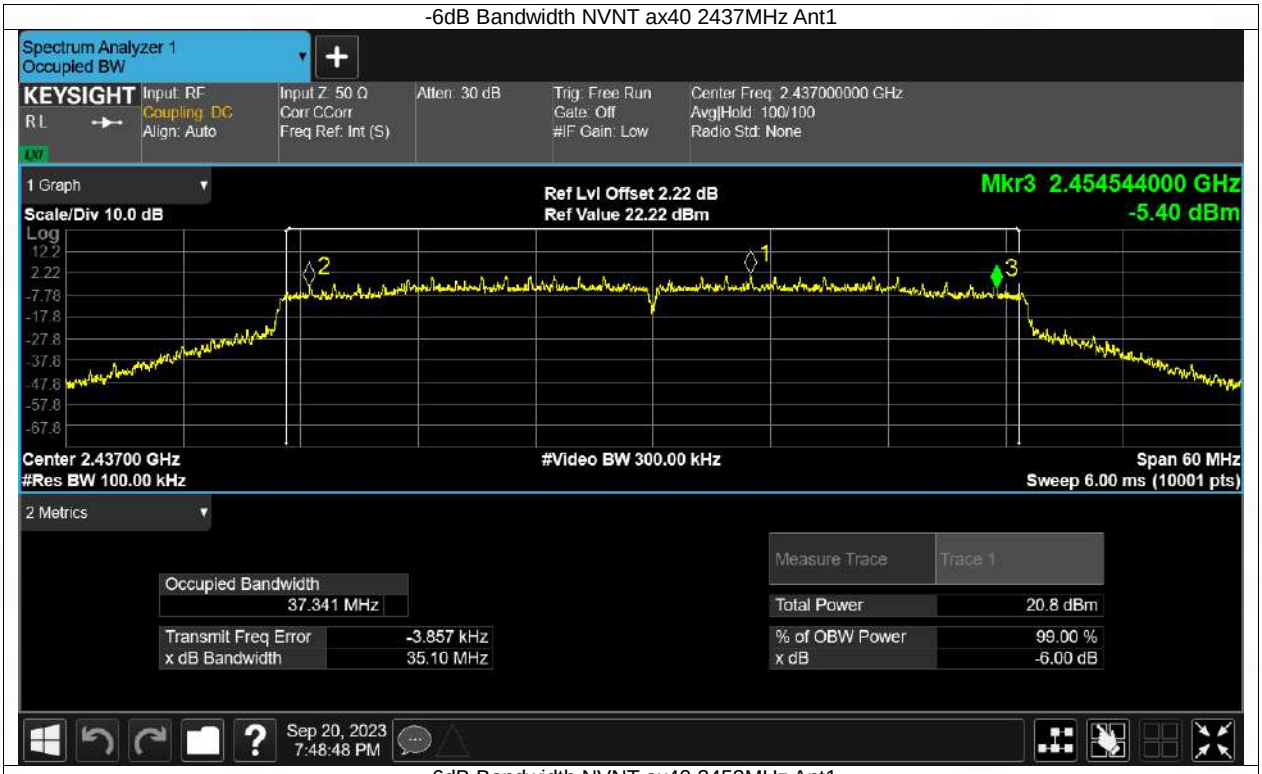
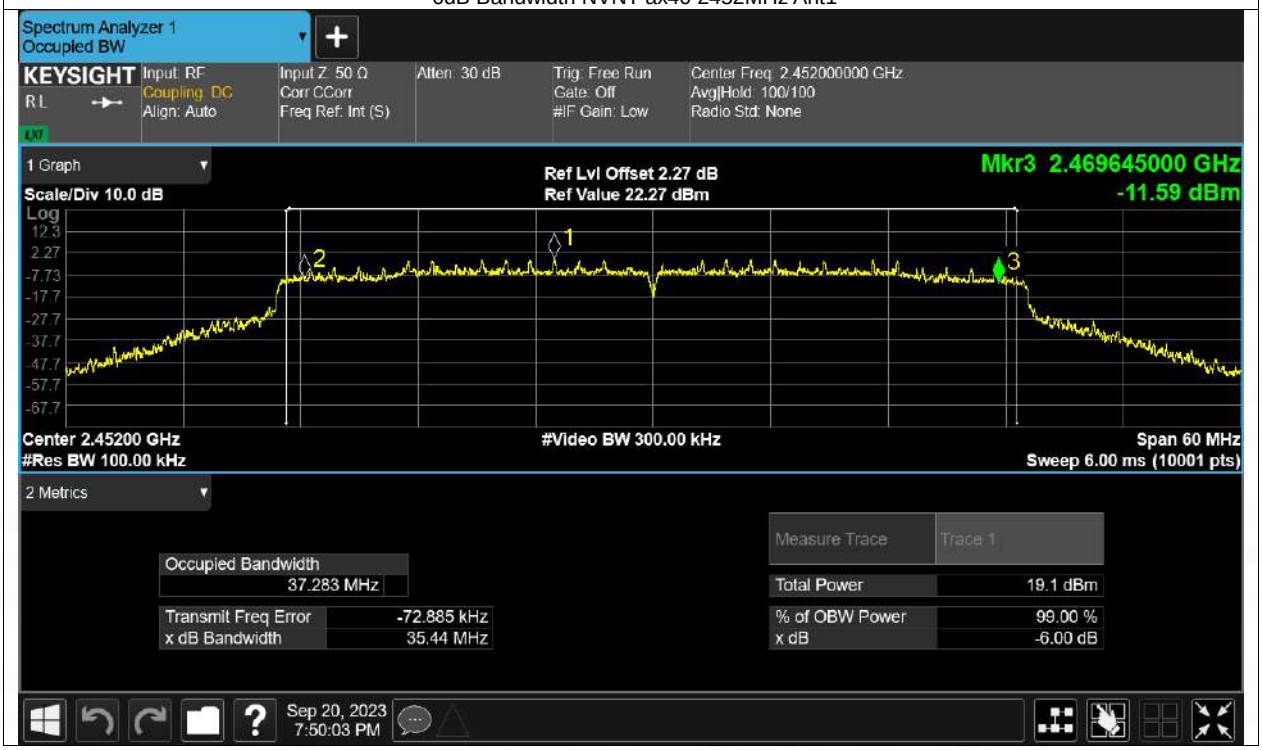
-6dB Bandwidth NVNT ax40 2437MHz Ant1



-6dB Bandwidth NVNT ax40 2452MHz Ant1



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2. Maximum Conducted Output Power

2. 1 Power

2. 1.1 Test Result

MAIN ANT1

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	15.96	30	Pass
b	2437	15.92	30	Pass
b	2462	15.94	30	Pass
g	2412	18.09	30	Pass
g	2437	18.37	30	Pass
g	2462	18.16	30	Pass
n20	2412	18.02	30	Pass
n20	2437	18.35	30	Pass
n20	2462	18.08	30	Pass
n40	2422	15.28	30	Pass
n40	2437	18.7	30	Pass
n40	2452	17.22	30	Pass
ax20	2412	15.92	30	Pass
ax20	2437	15.85	30	Pass
ax20	2462	15.9	30	Pass
ax40	2422	15.32	30	Pass
ax40	2437	18.68	30	Pass
ax40	2452	17.24	30	Pass

AUX ANT2

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	16.34	30	Pass
b	2437	16.18	30	Pass
b	2462	16.15	30	Pass
g	2412	18.64	30	Pass
g	2437	18.82	30	Pass
g	2462	17.86	30	Pass
n20	2412	18.58	30	Pass
n20	2437	18.63	30	Pass
n20	2462	17.78	30	Pass
n40	2422	15.72	30	Pass
n40	2437	18.98	30	Pass
n40	2452	18.44	30	Pass
ax20	2412	19.14	30	Pass
ax20	2437	19.11	30	Pass
ax20	2462	18.32	30	Pass
ax40	2422	16.23	30	Pass
ax40	2437	19.38	30	Pass
ax40	2452	18.88	30	Pass

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MIMO Mode

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
n20	2412	21.32	30	Pass
n20	2437	21.50	30	Pass
n20	2462	20.94	30	Pass
n40	2422	18.52	30	Pass
n40	2437	21.85	30	Pass
n40	2452	20.88	30	Pass
ax20	2412	20.83	30	Pass
ax20	2437	20.79	30	Pass
ax20	2462	20.29	30	Pass
ax40	2422	18.81	30	Pass
ax40	2437	22.05	30	Pass
ax40	2452	21.15	30	Pass

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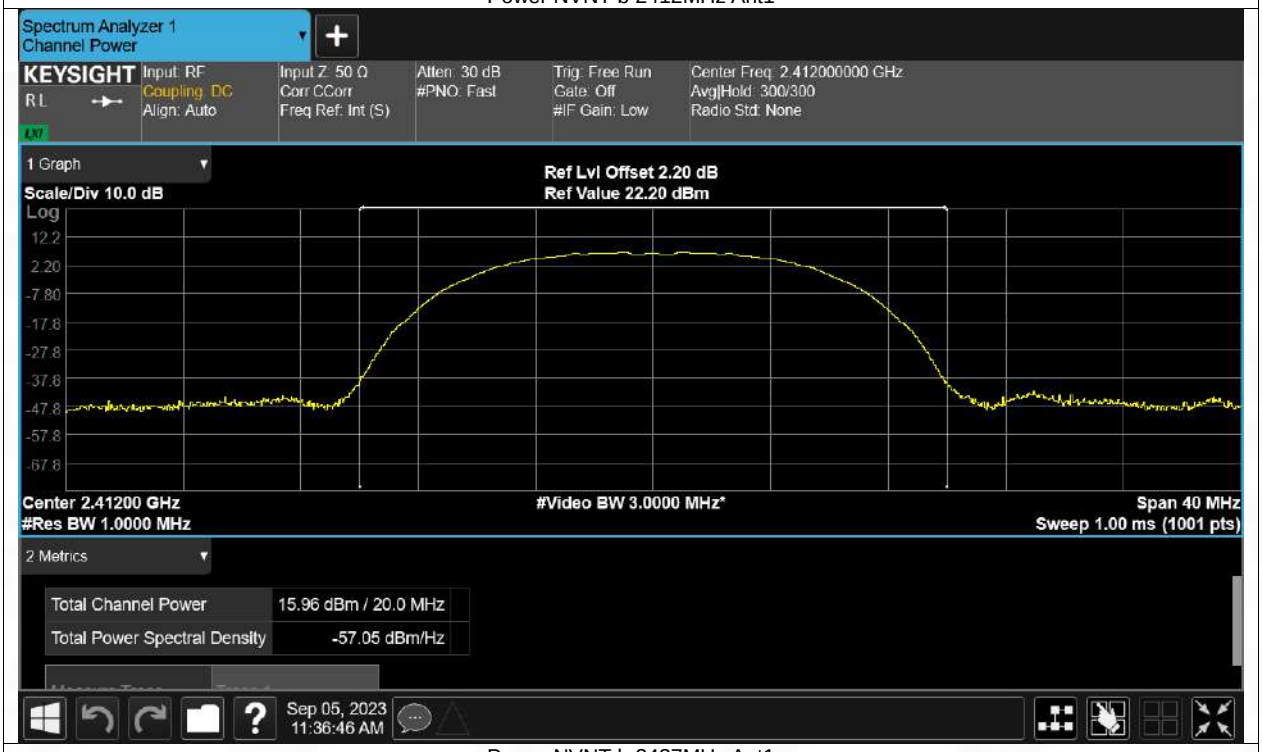
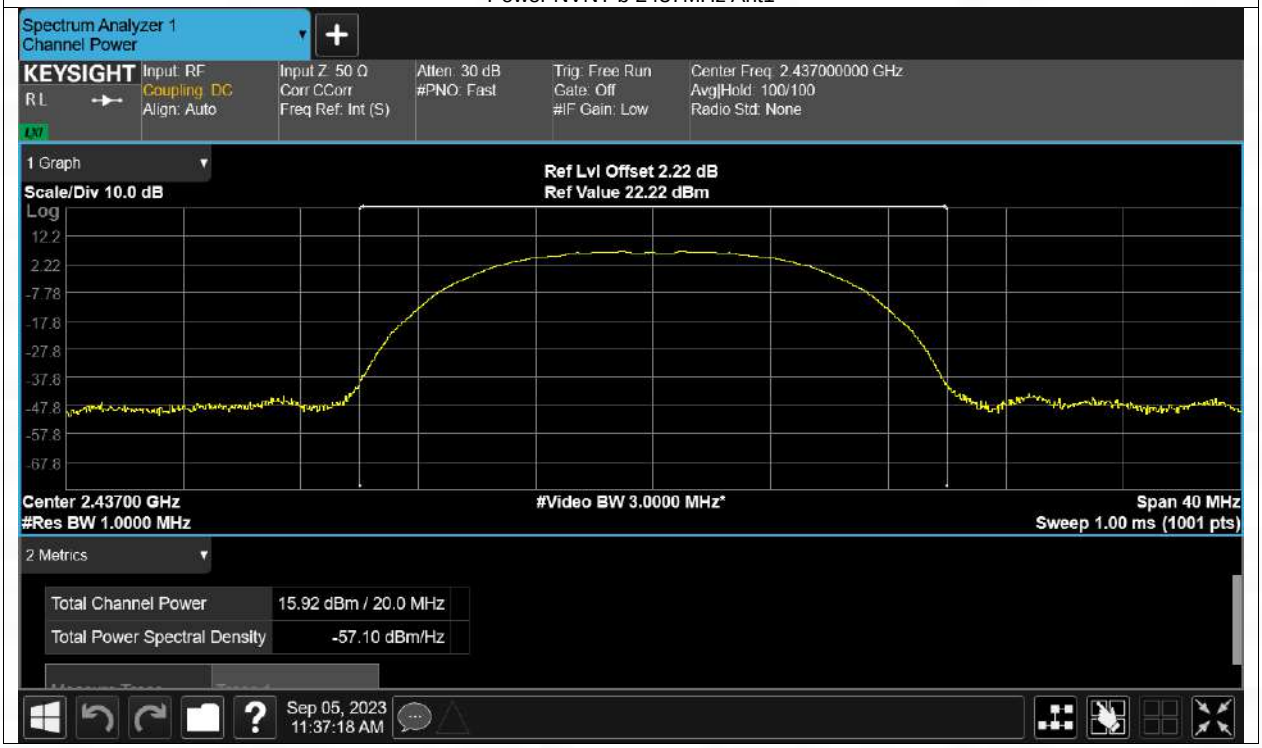
2. 1.2 Test Graph

ANT1

Test Graphs
Power NVNT b 2412MHz Ant1



Power NVNT b 2437MHz Ant1



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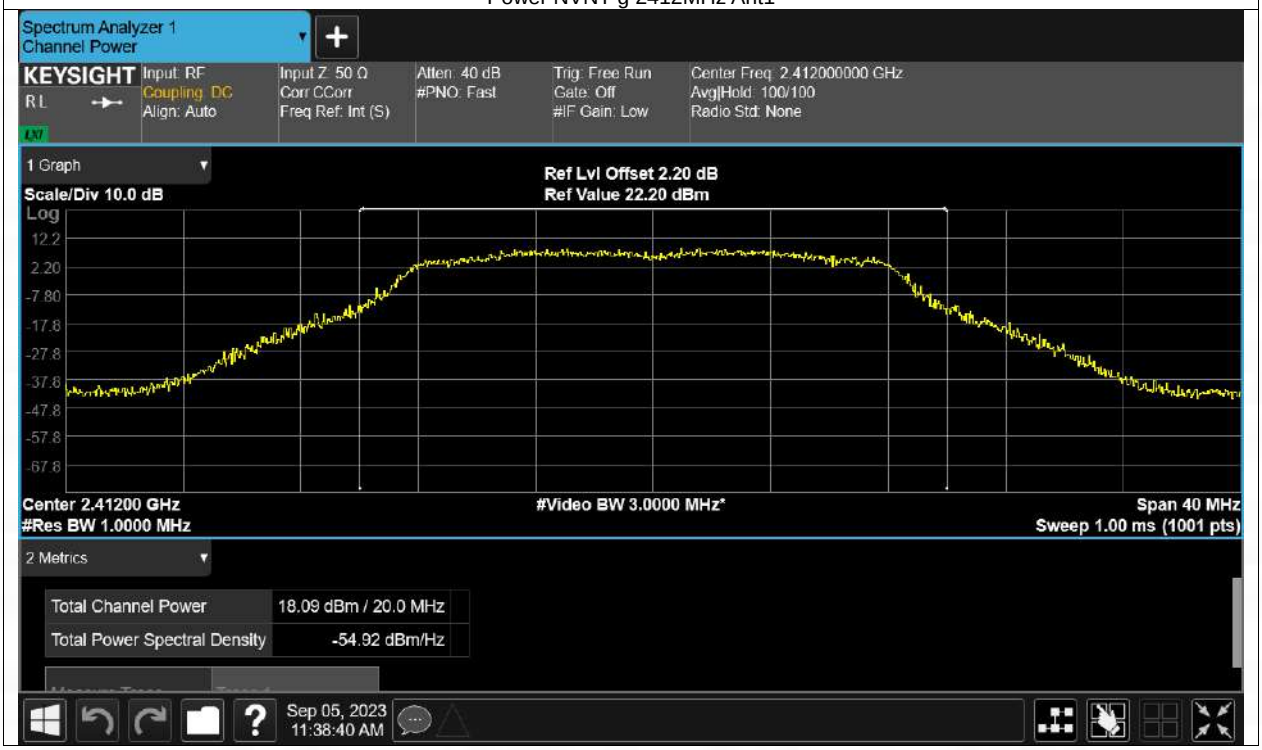
Power NVNT b 2462MHz Ant1

Power NVNT g 2412MHz Ant1



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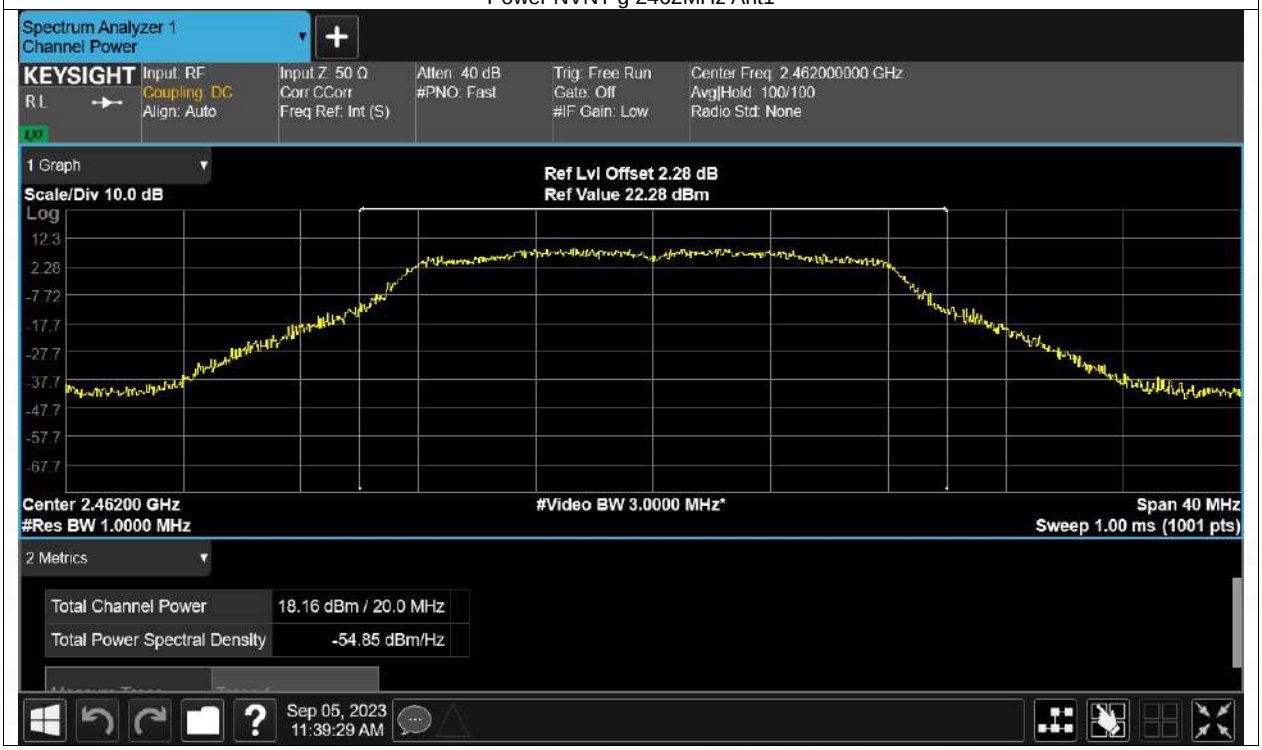
Power NVNT g 2437MHz Ant1

Power NVNT g 2462MHz Ant1



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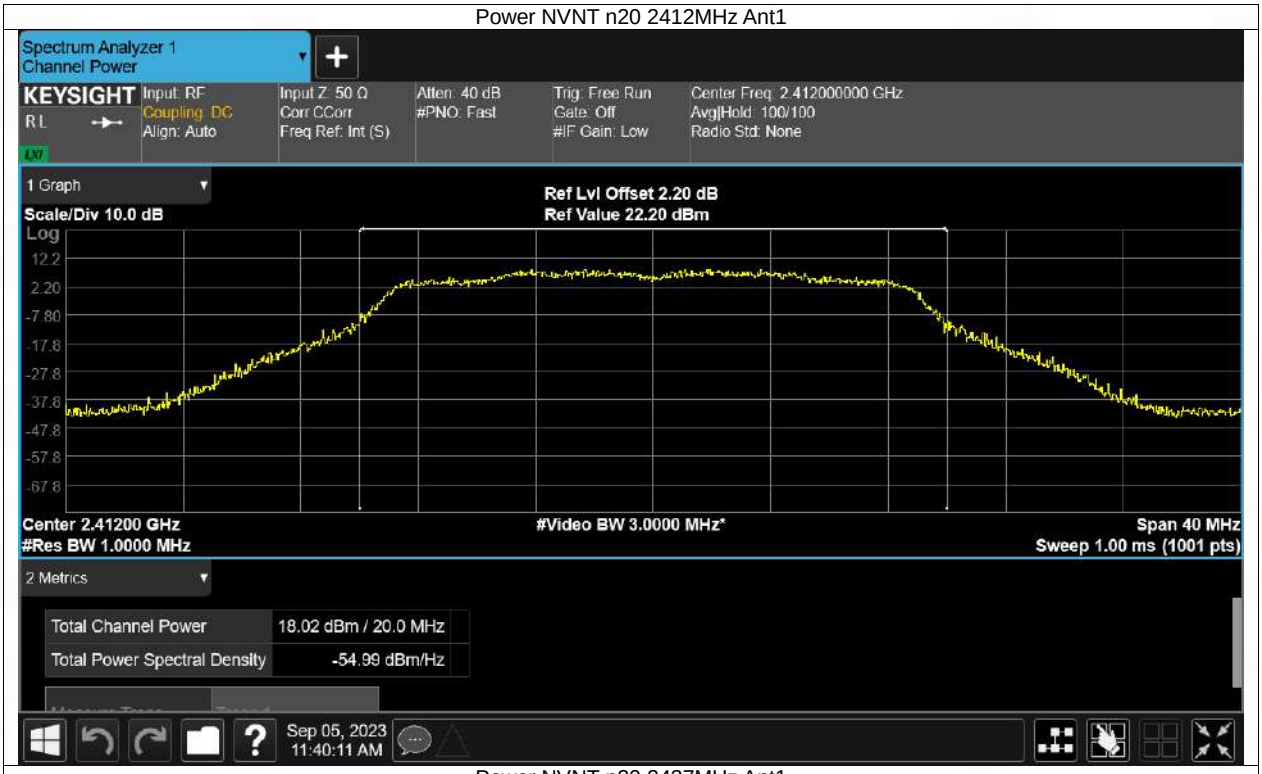
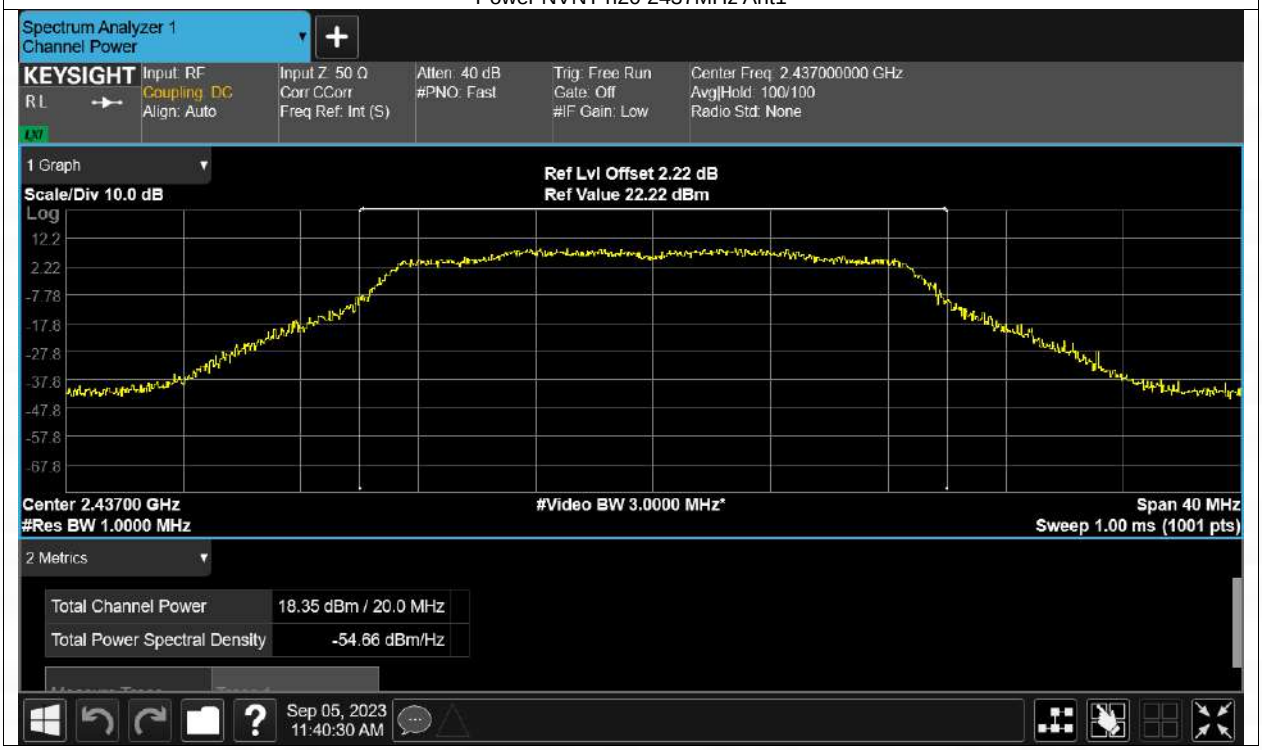
Power NVNT n20 2412MHz Ant1



Power NVNT n20 2437MHz Ant1



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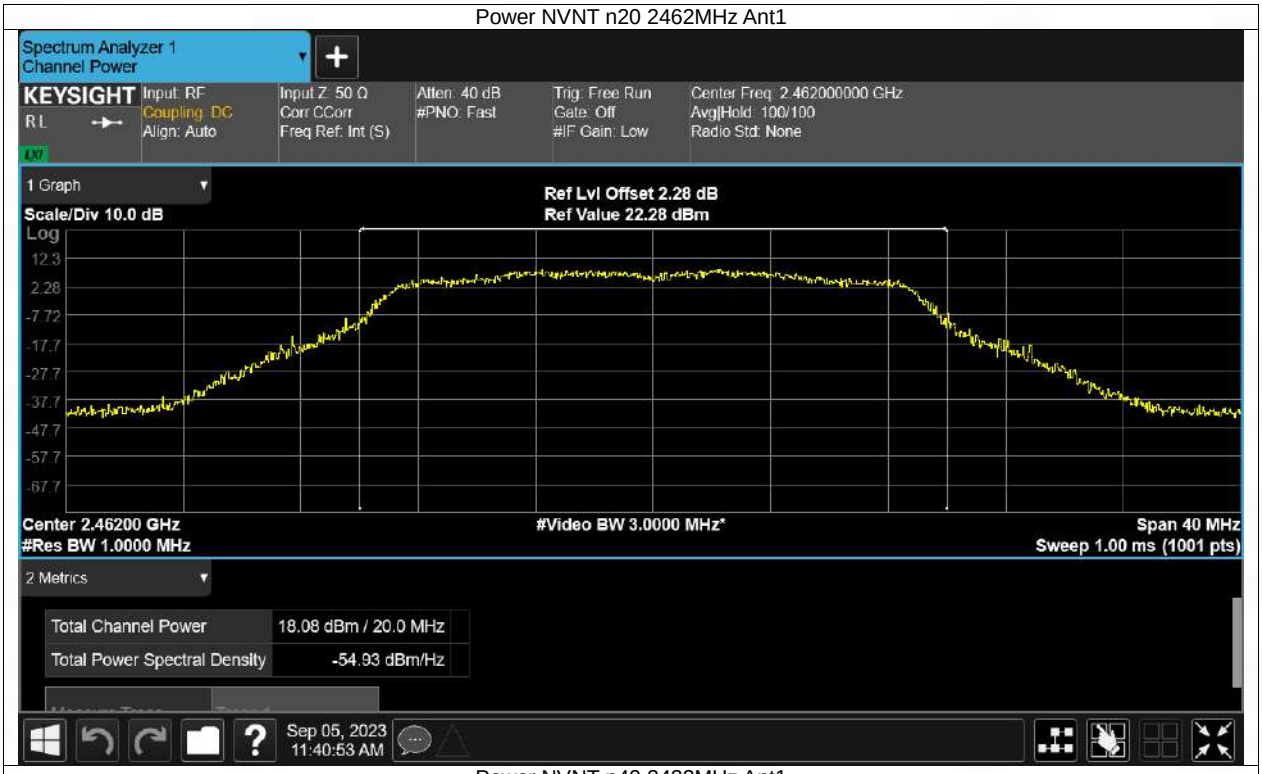
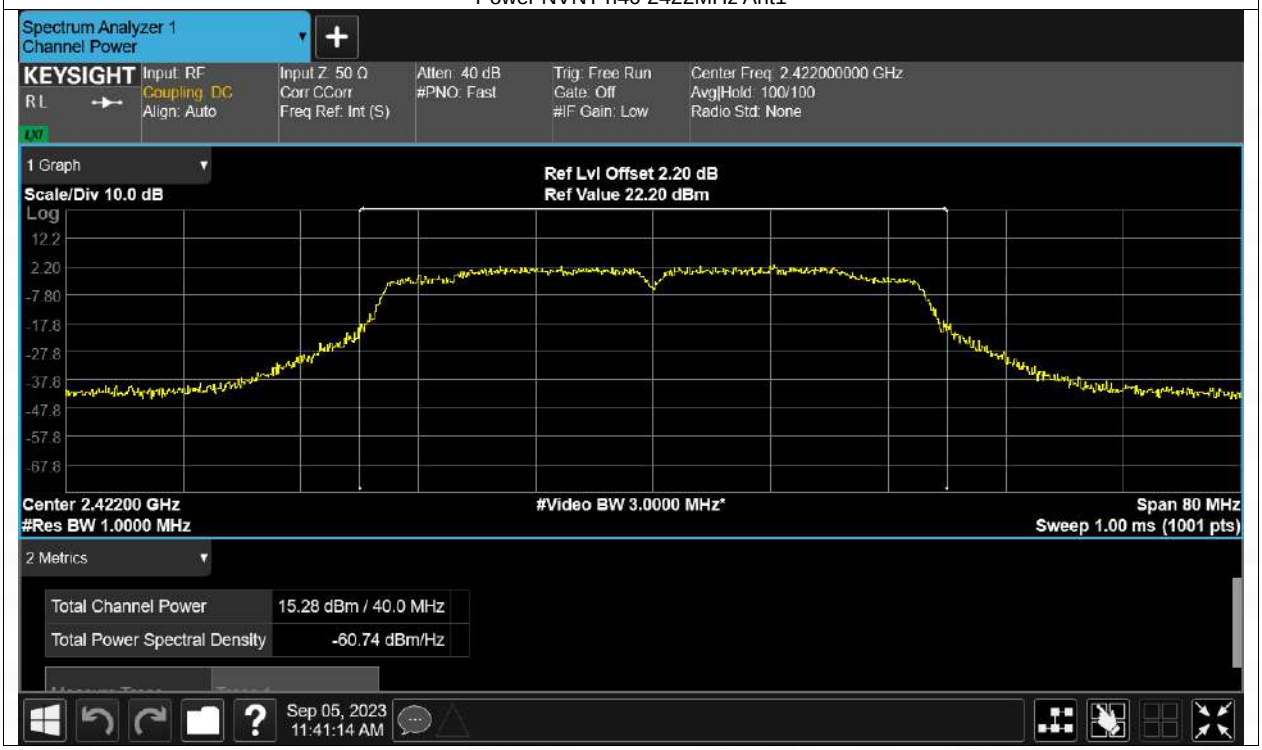
Power NVNT n20 2462MHz Ant1



Power NVNT n40 2422MHz Ant1



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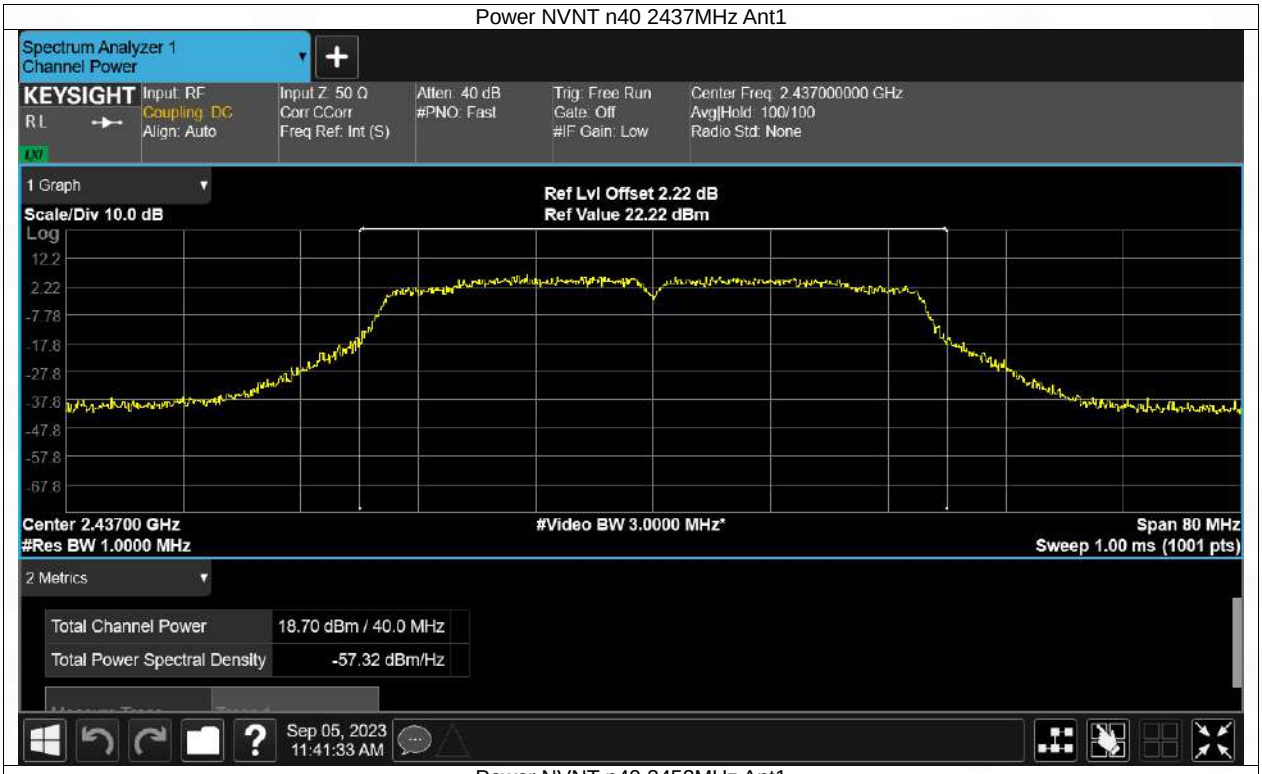
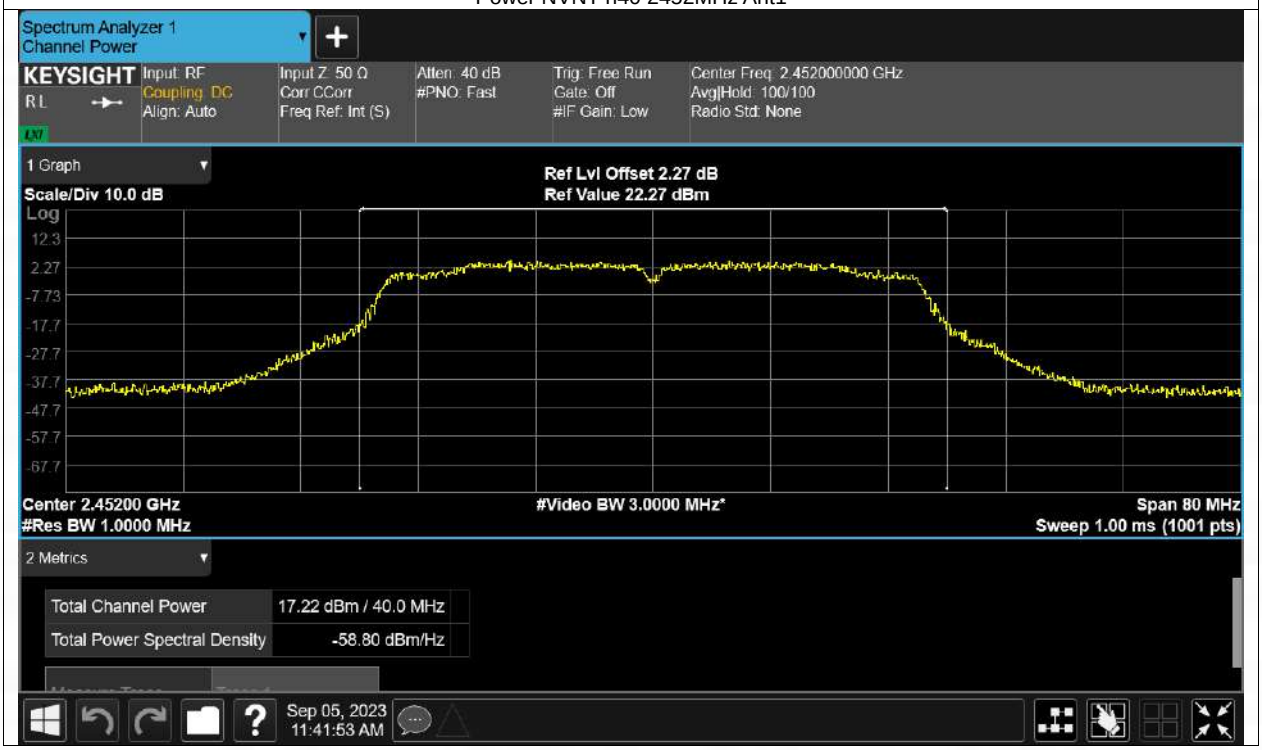
Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1



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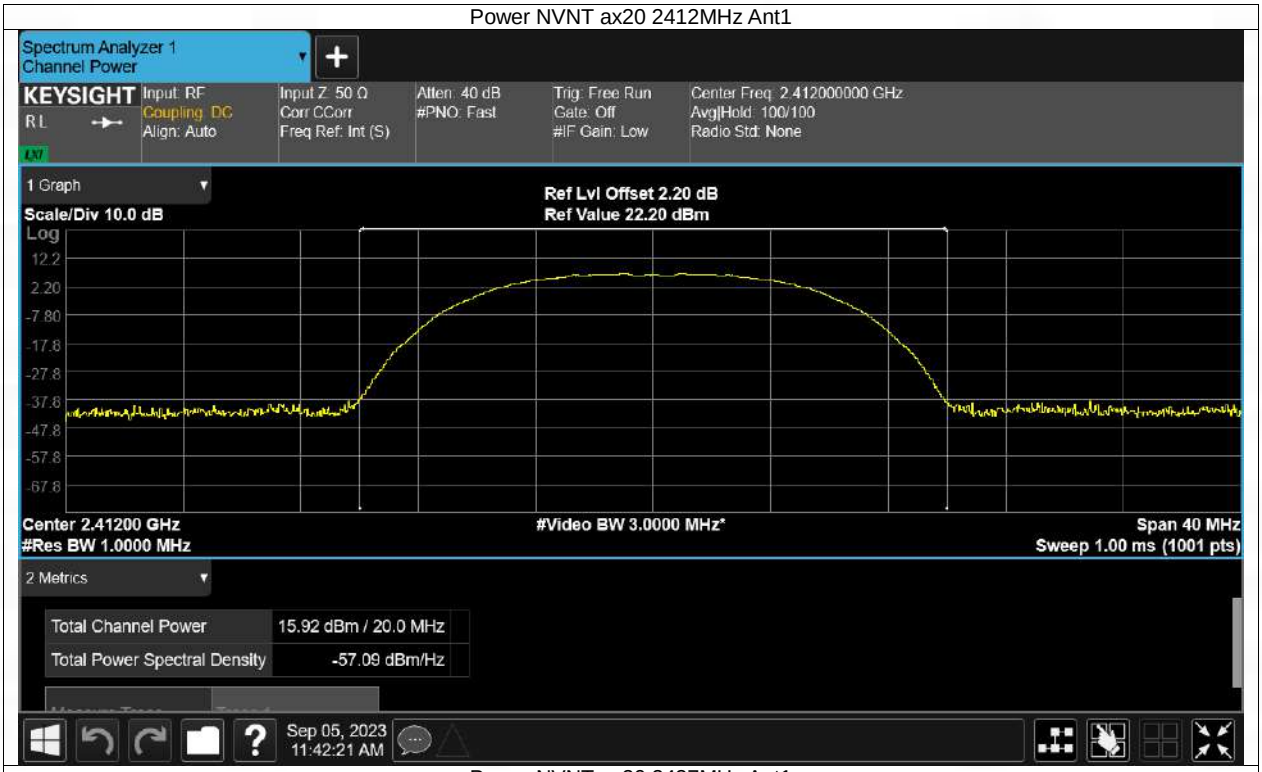
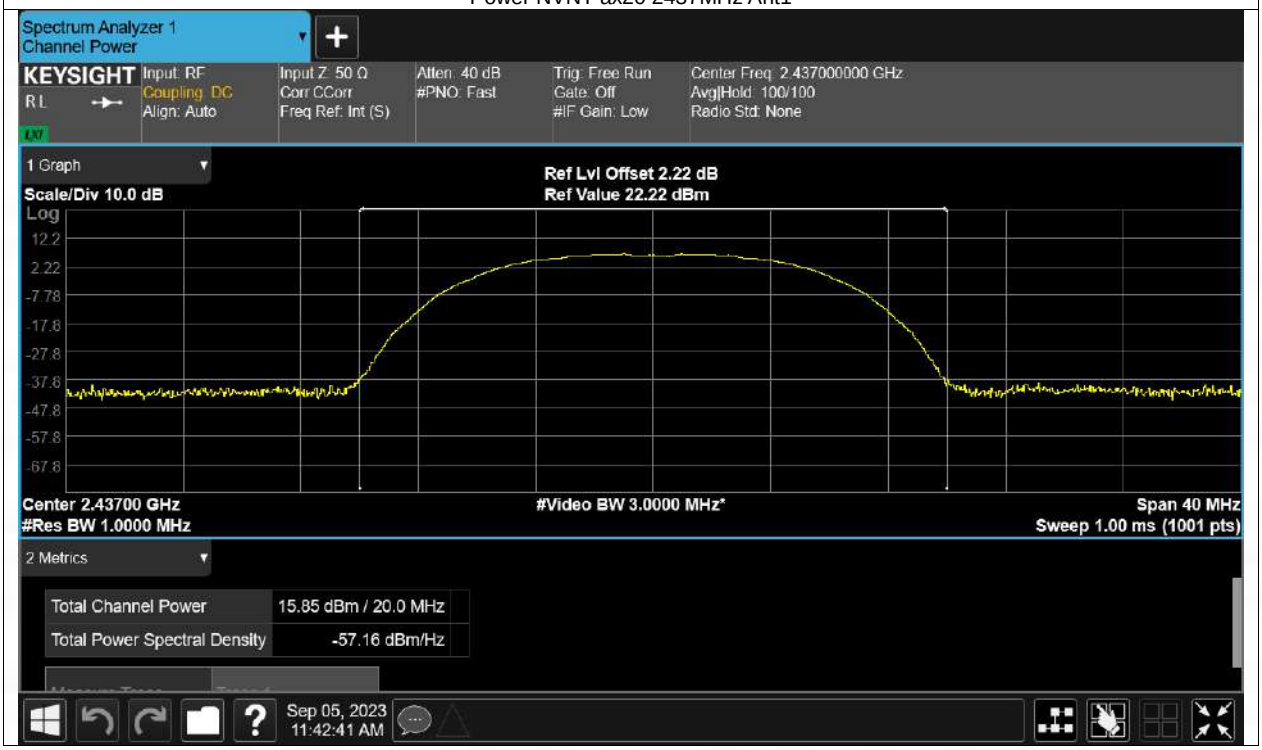
Power NVNT ax20 2412MHz Ant1



Power NVNT ax20 2437MHz Ant1



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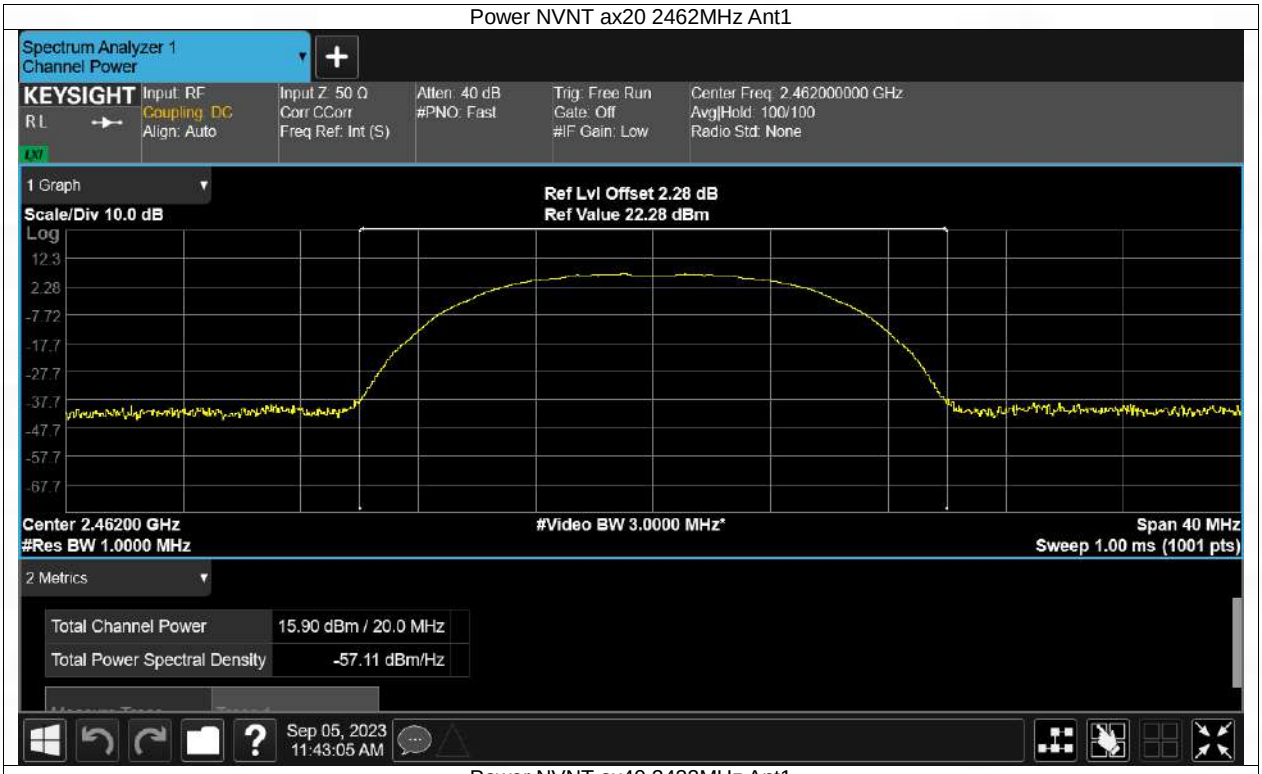
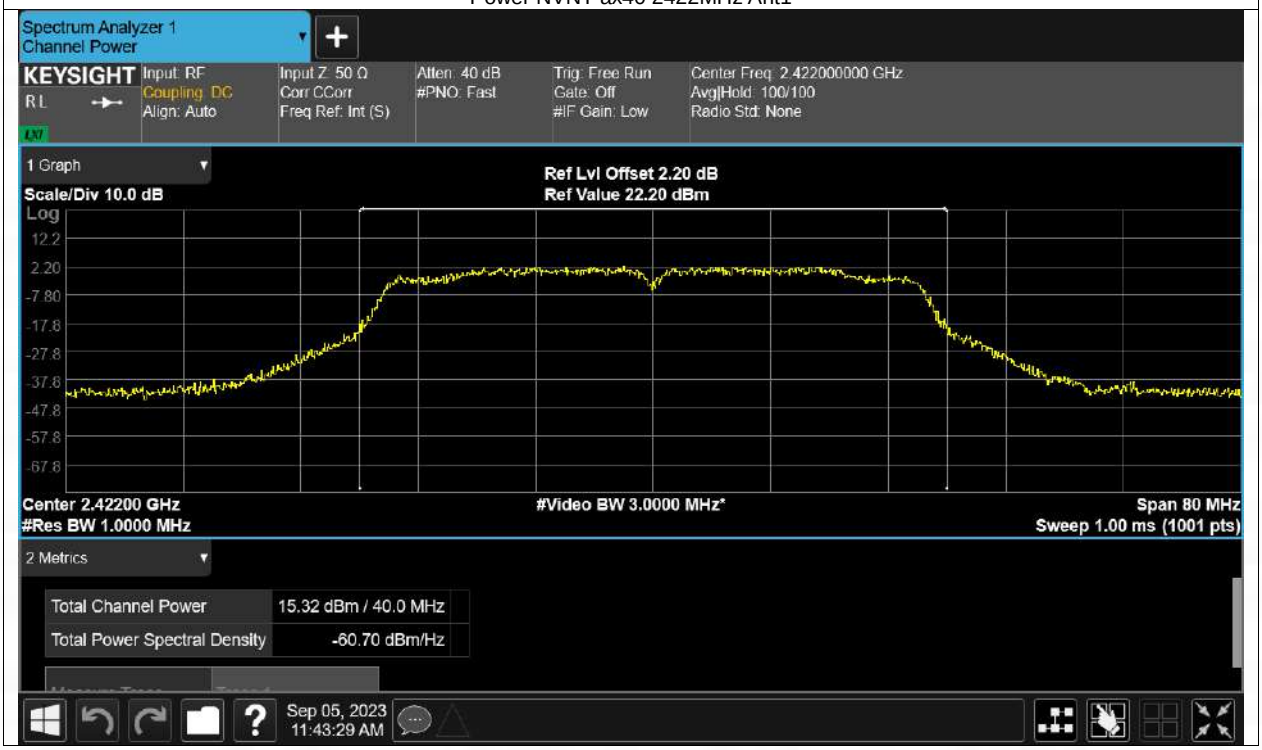
Power NVNT ax20 2462MHz Ant1



Power NVNT ax40 2422MHz Ant1



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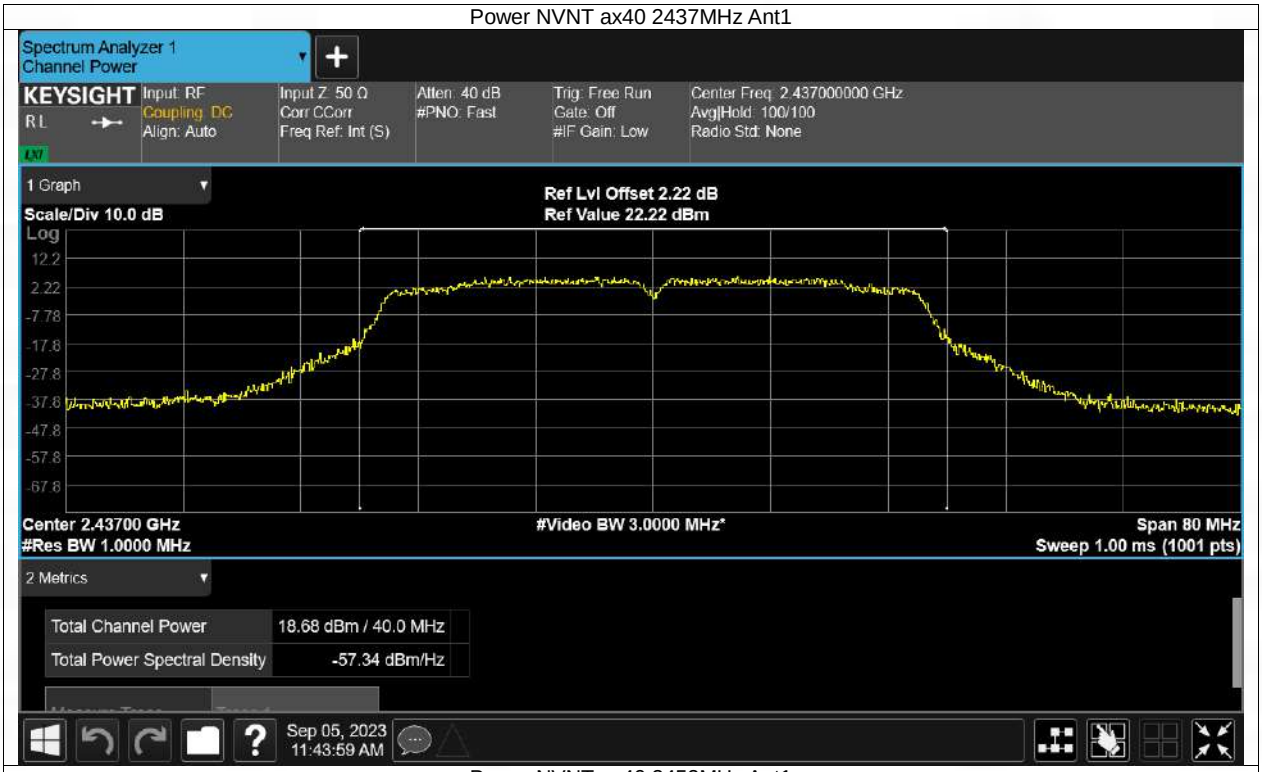
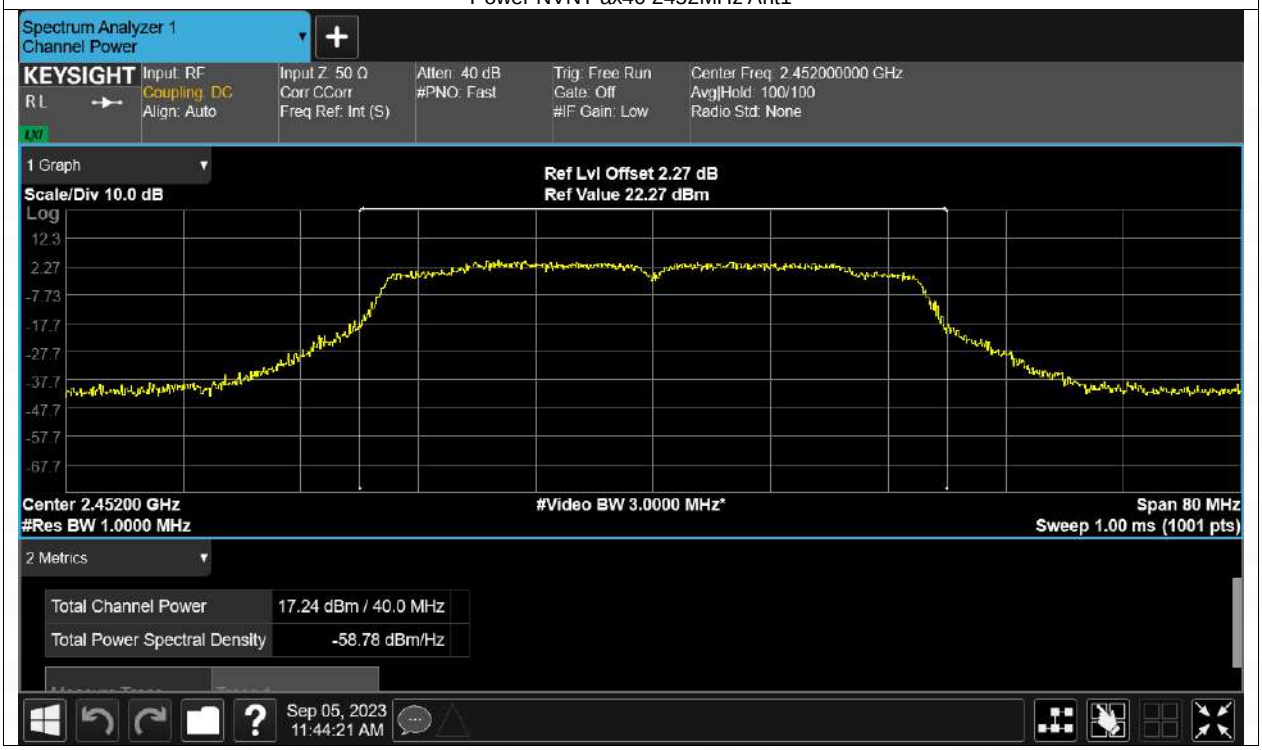
Power NVNT ax40 2437MHz Ant1



Power NVNT ax40 2452MHz Ant1



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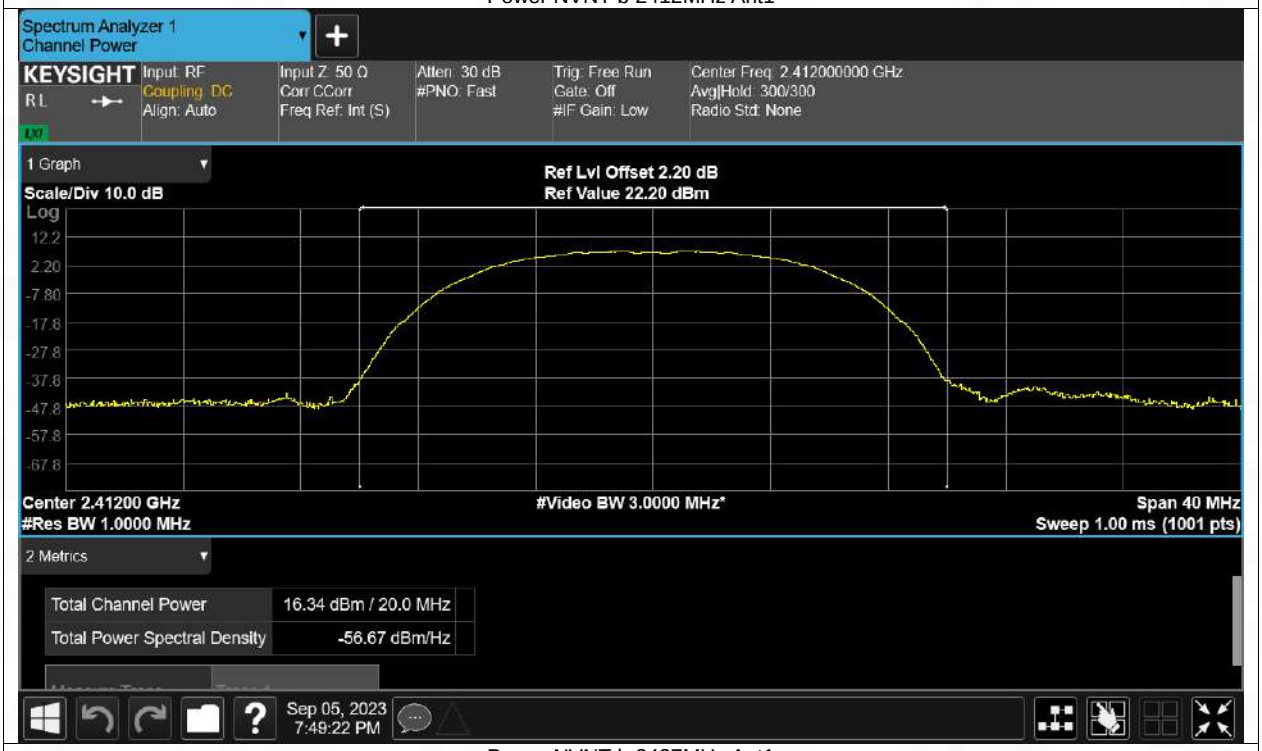
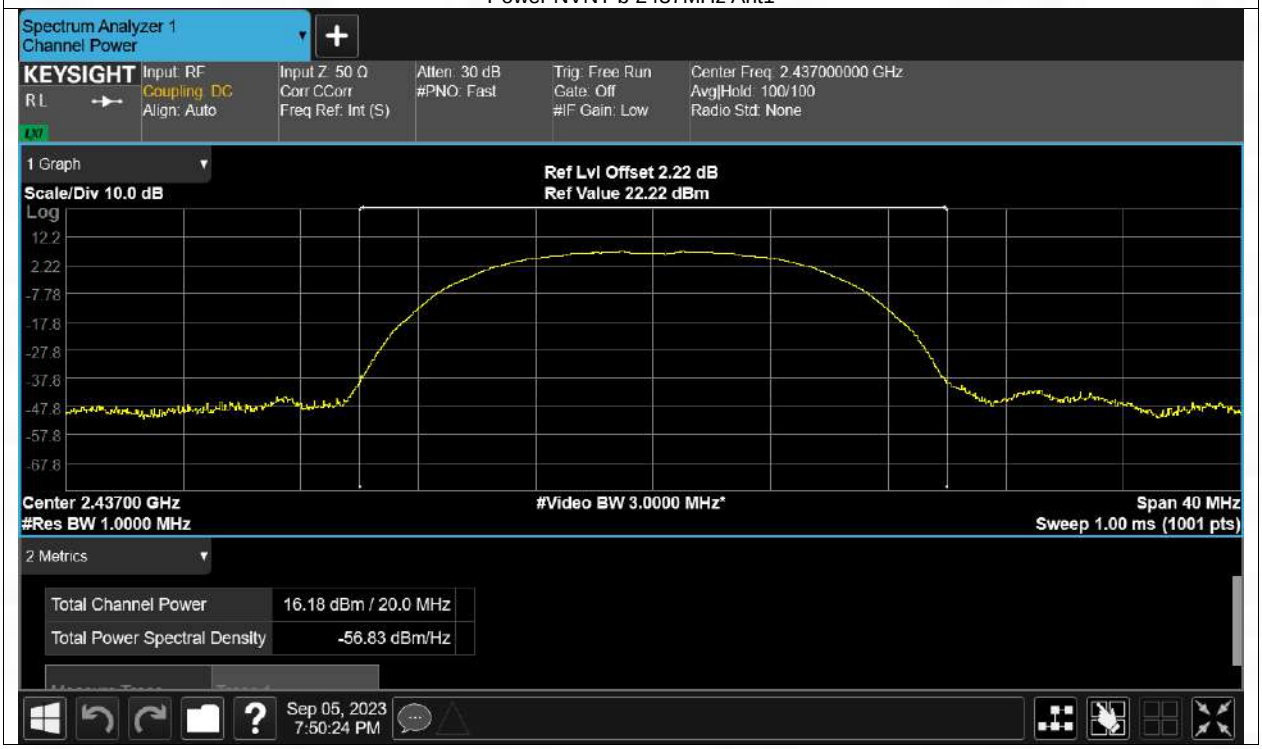
ANT2

Test Graphs
Power NVNT b 2412MHz Ant1



Power NVNT b 2437MHz Ant1



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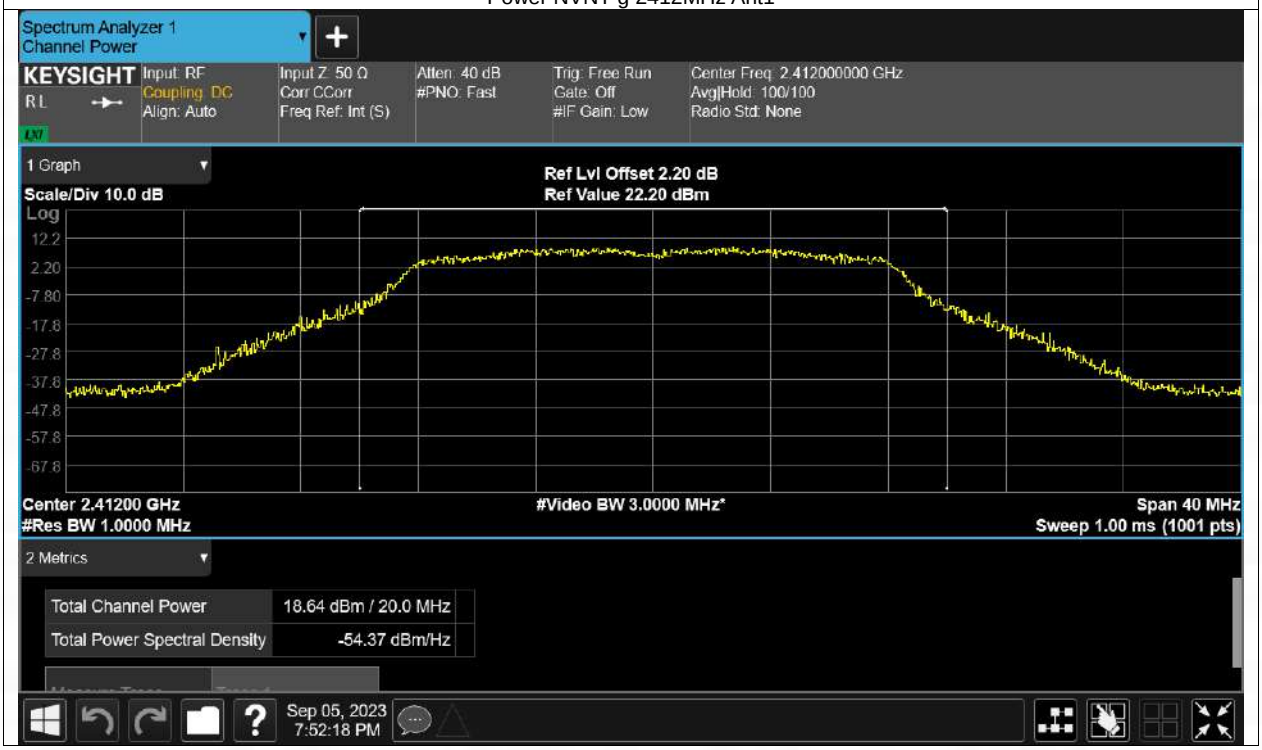
Power NVNT b 2462MHz Ant1

Power NVNT g 2412MHz Ant1



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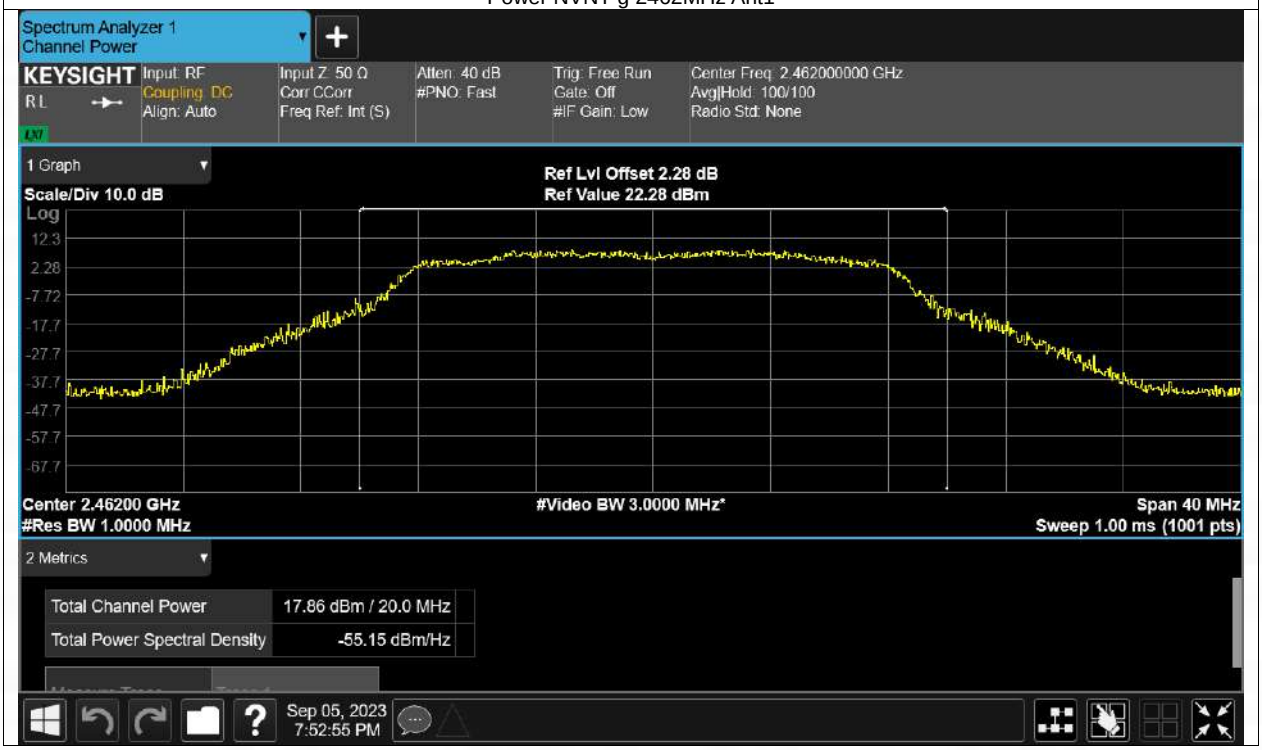
Power NVNT g 2437MHz Ant1

Power NVNT g 2462MHz Ant1



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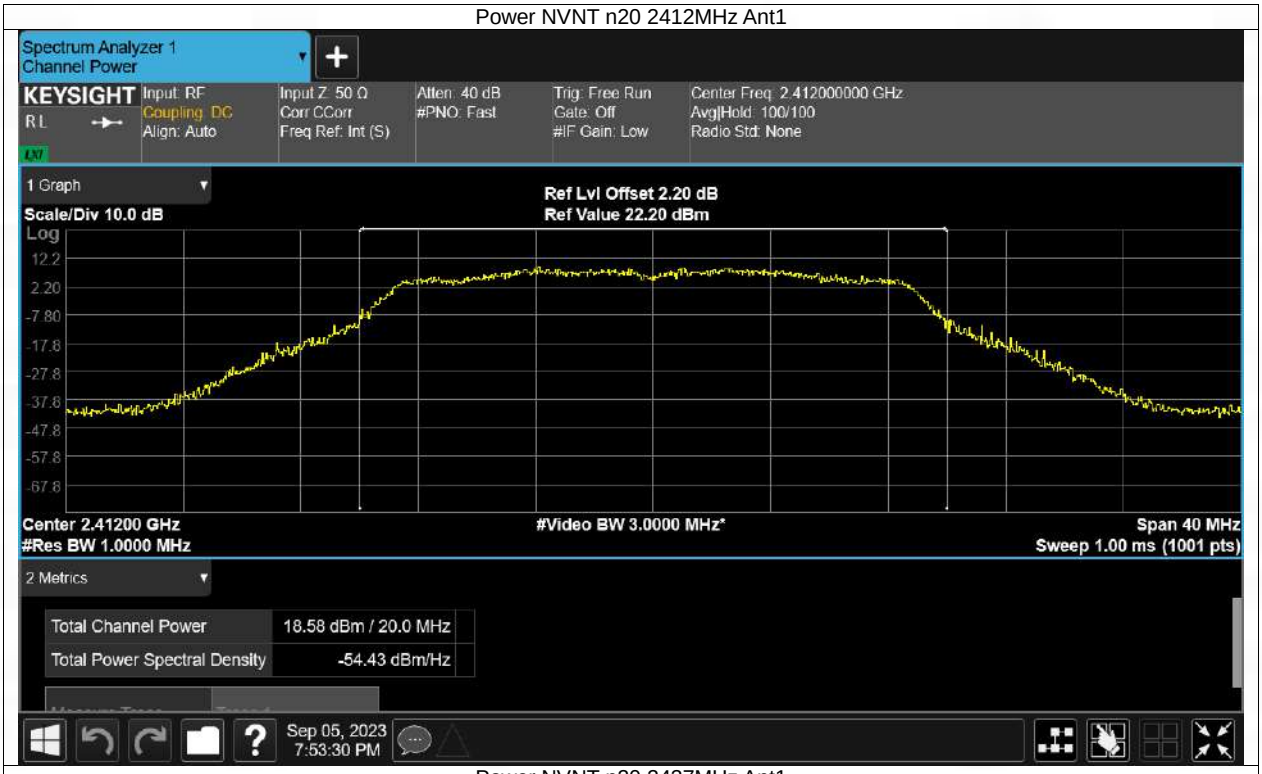
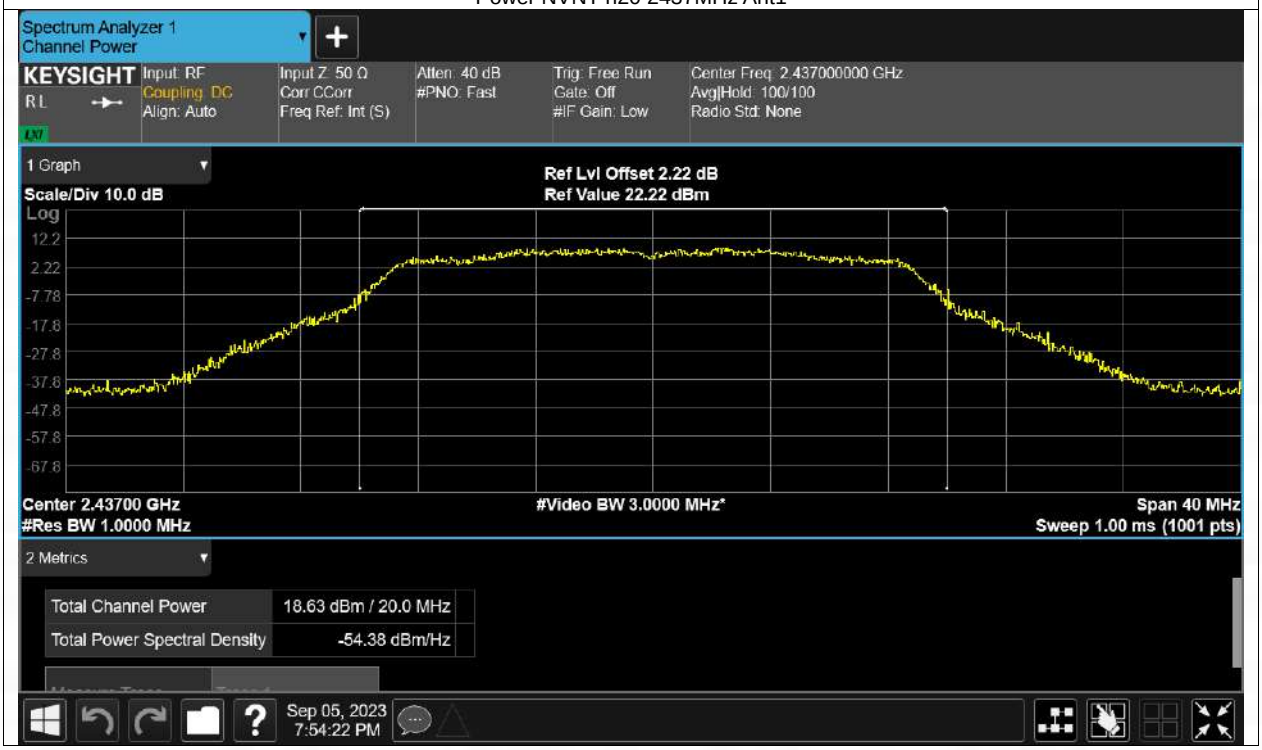
Power NVNT n20 2412MHz Ant1



Power NVNT n20 2437MHz Ant1



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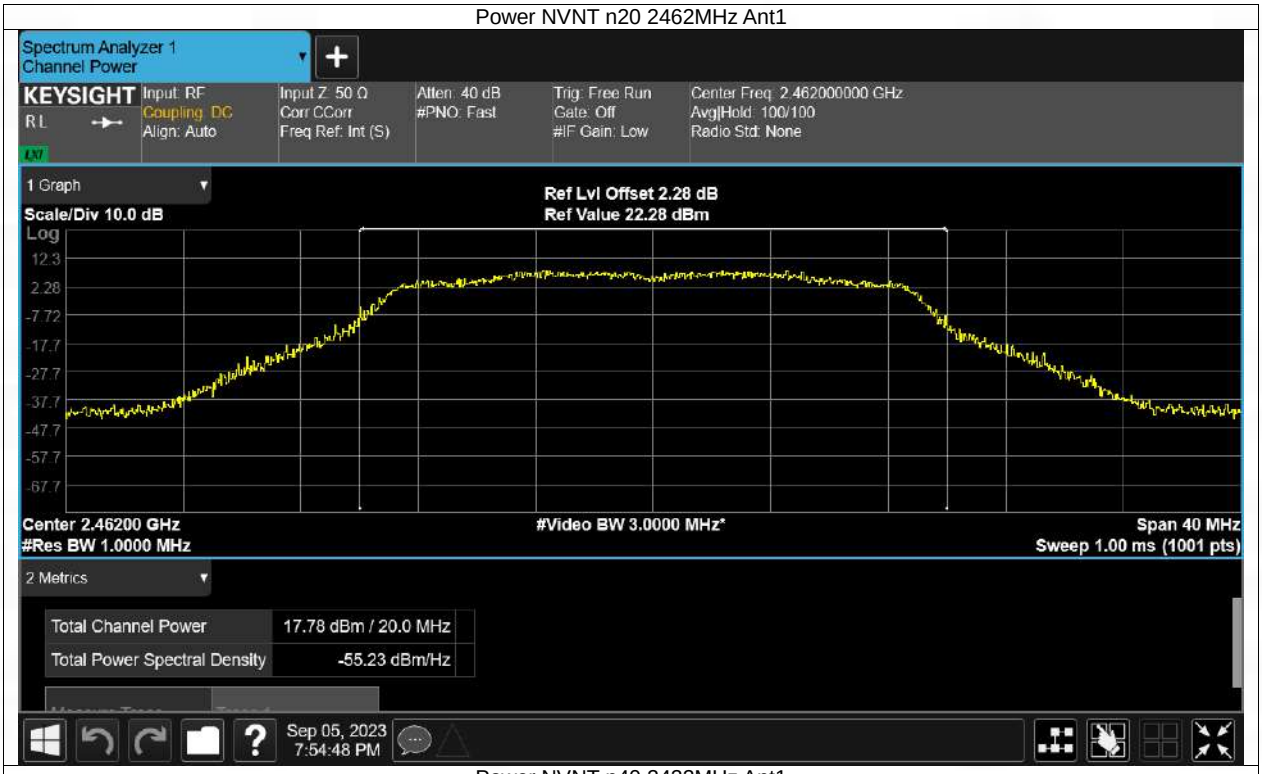
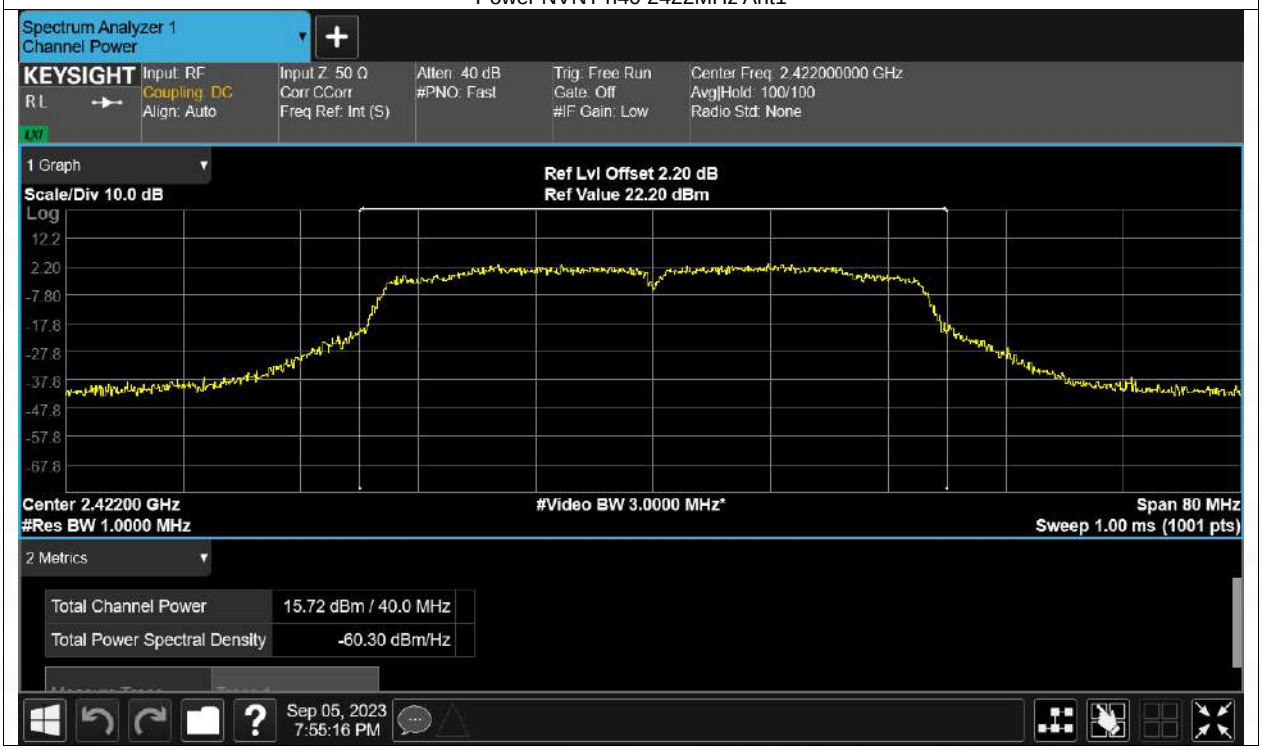
Power NVNT n20 2462MHz Ant1



Power NVNT n40 2422MHz Ant1



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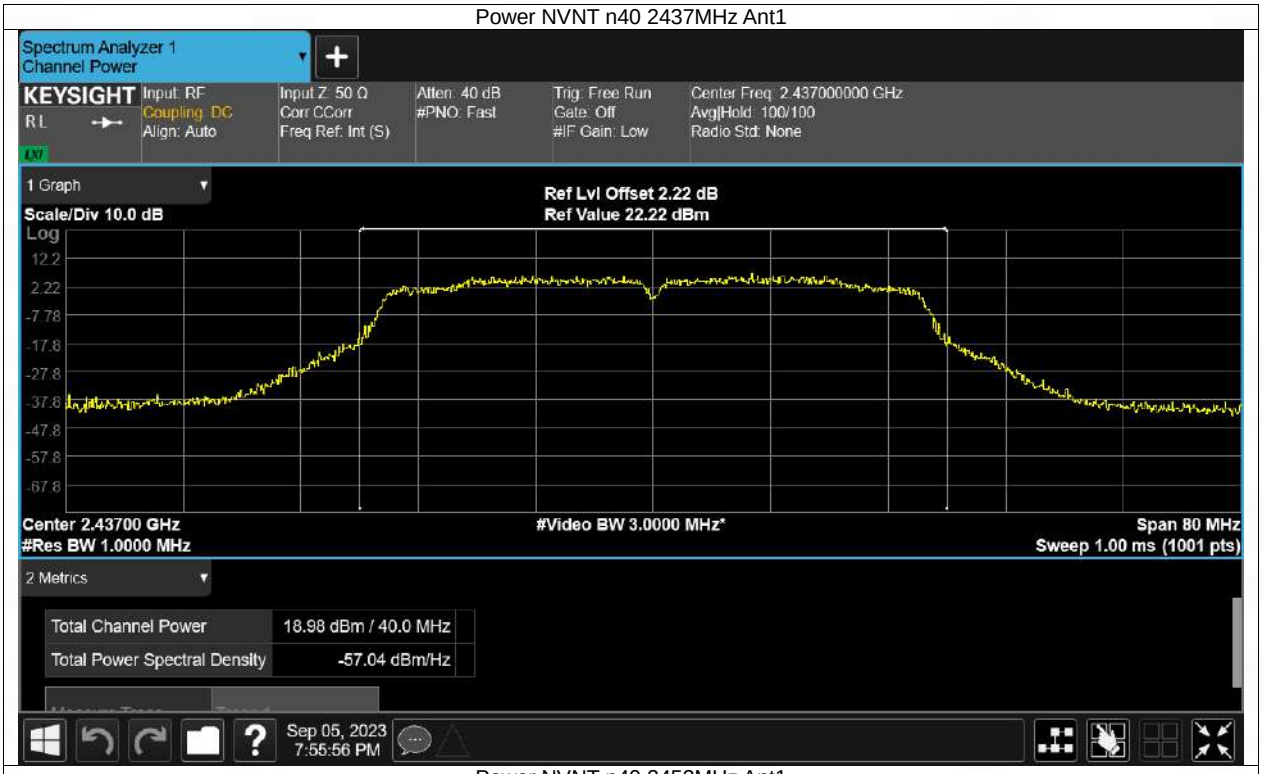
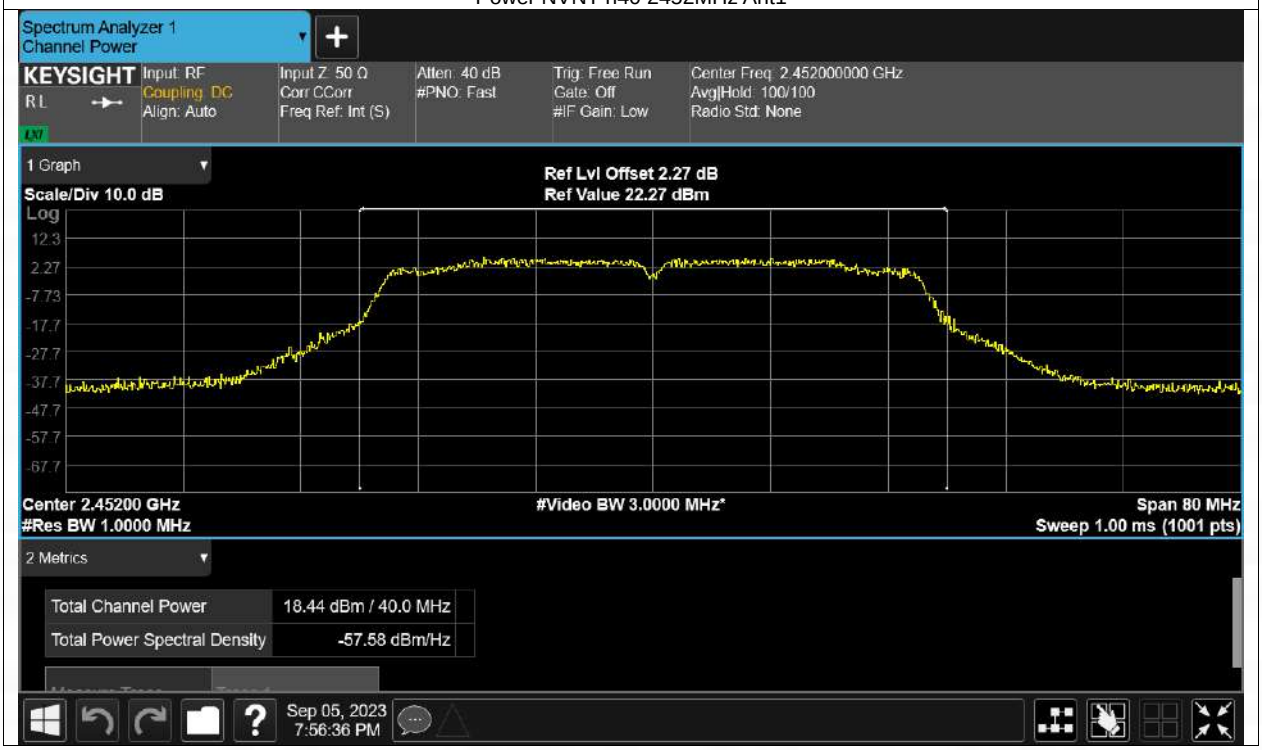
Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1



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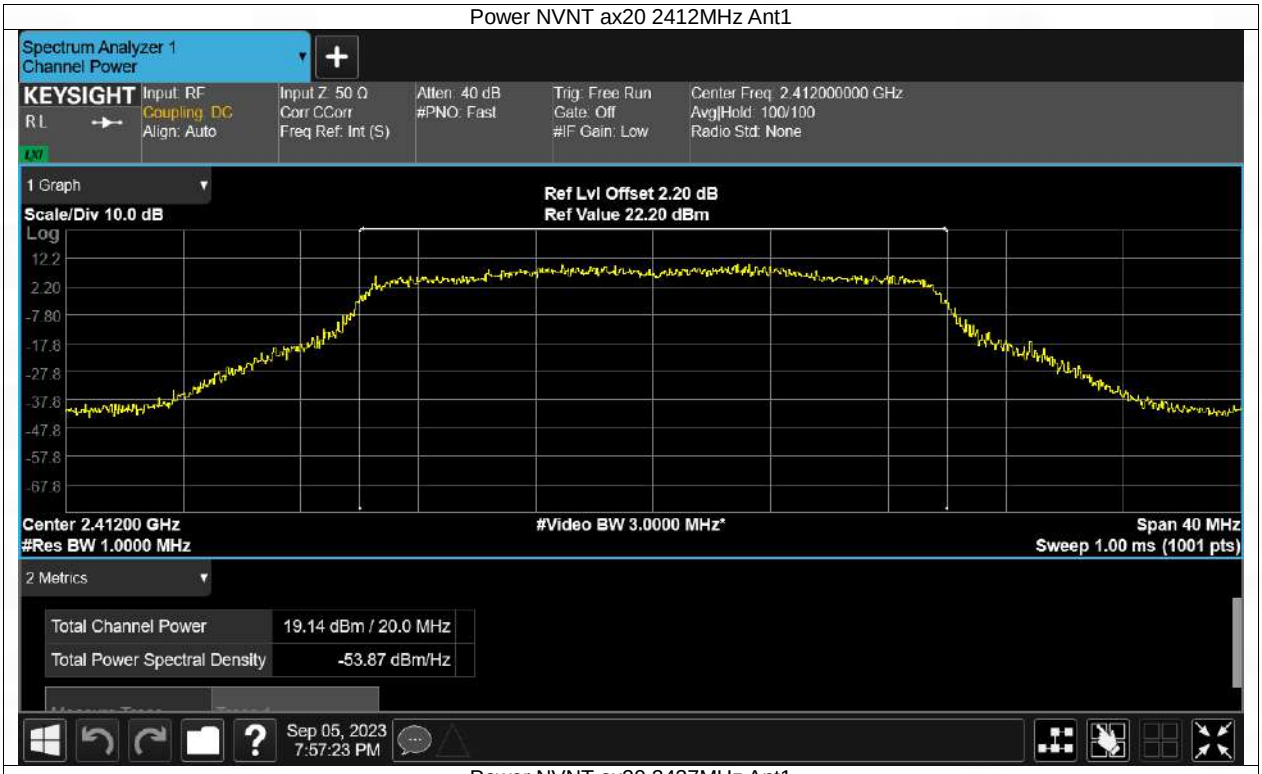
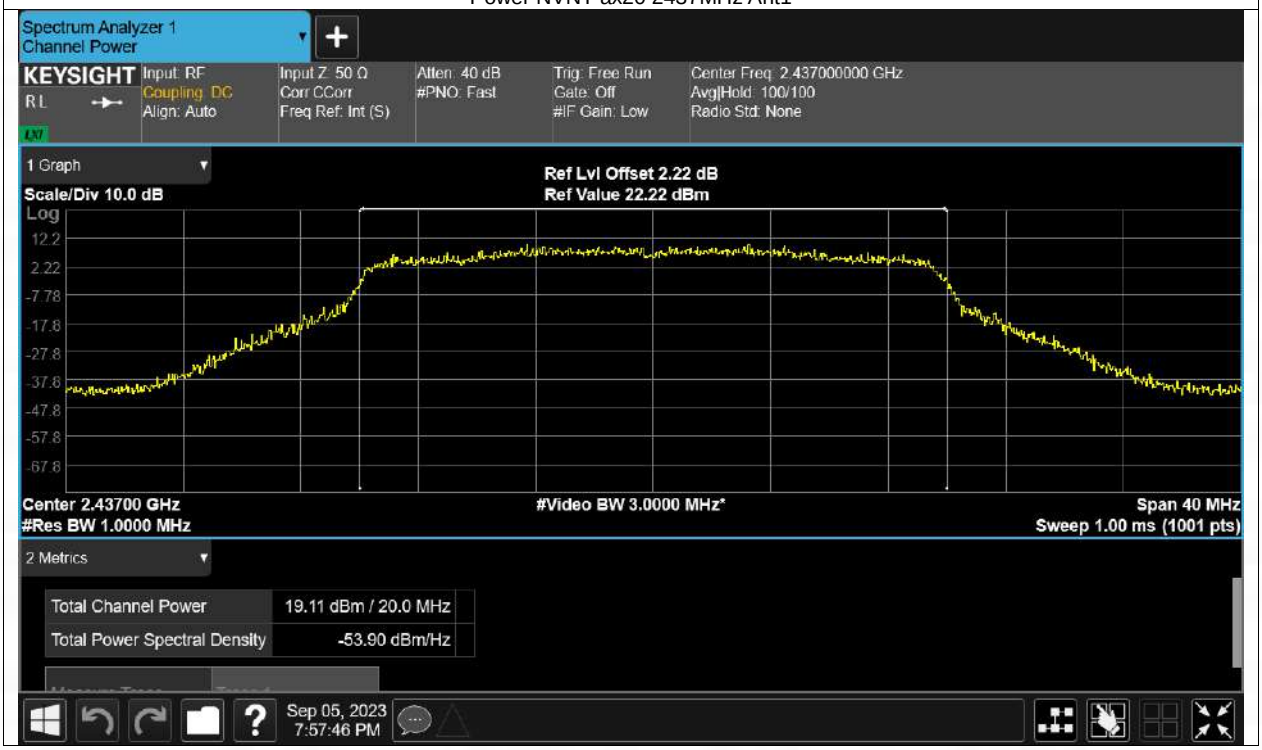
Power NVNT ax20 2412MHz Ant1



Power NVNT ax20 2437MHz Ant1



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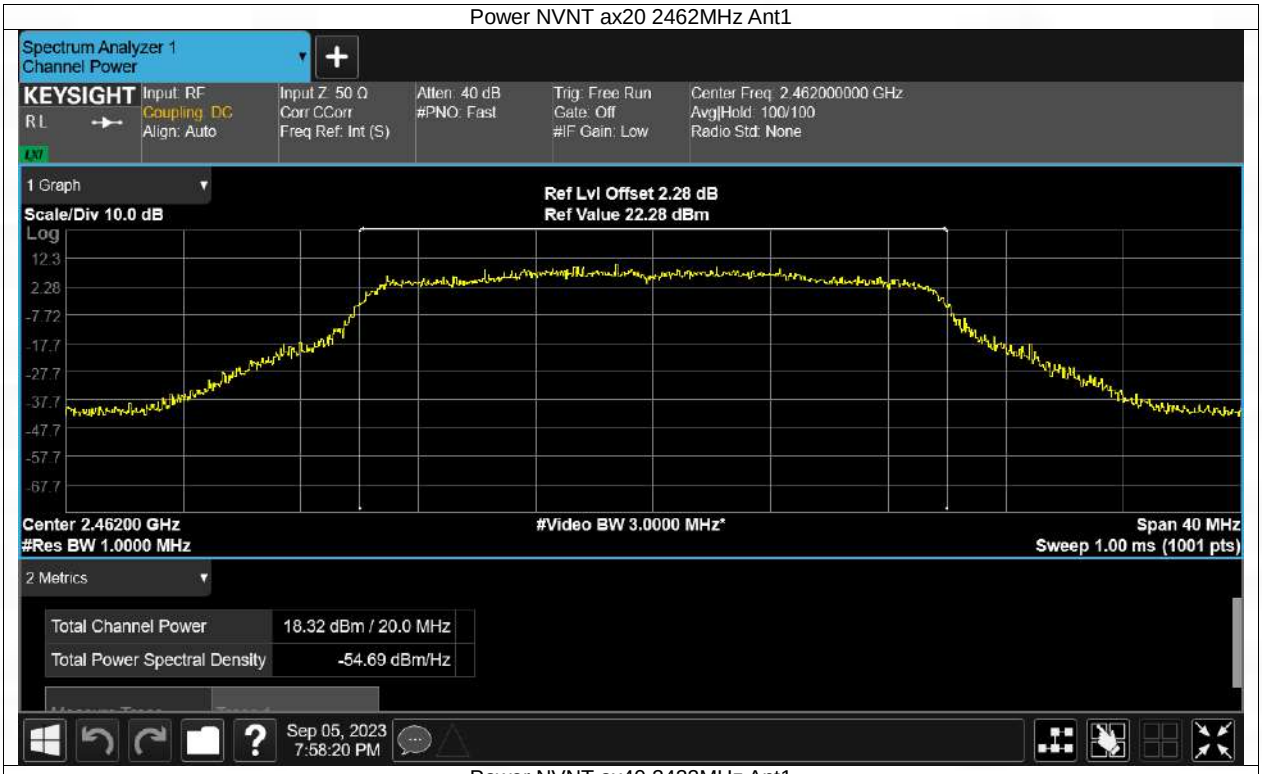
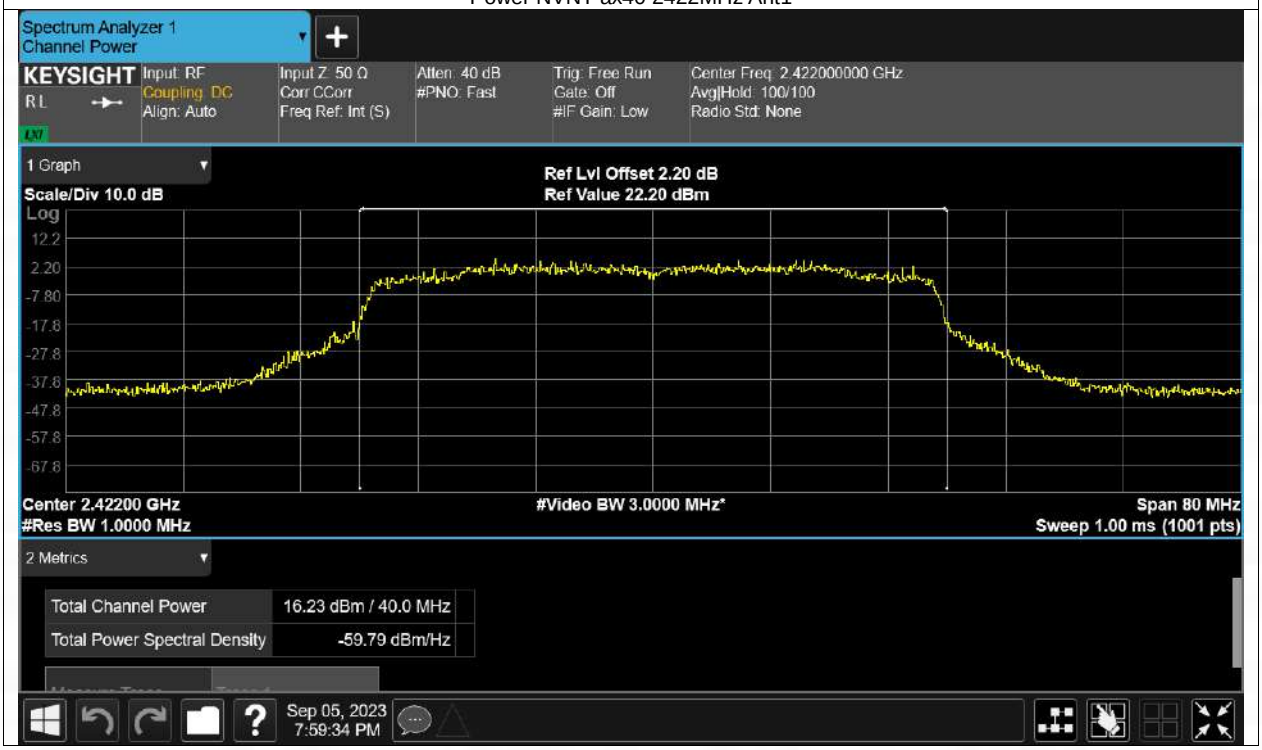
Power NVNT ax20 2462MHz Ant1



Power NVNT ax40 2422MHz Ant1



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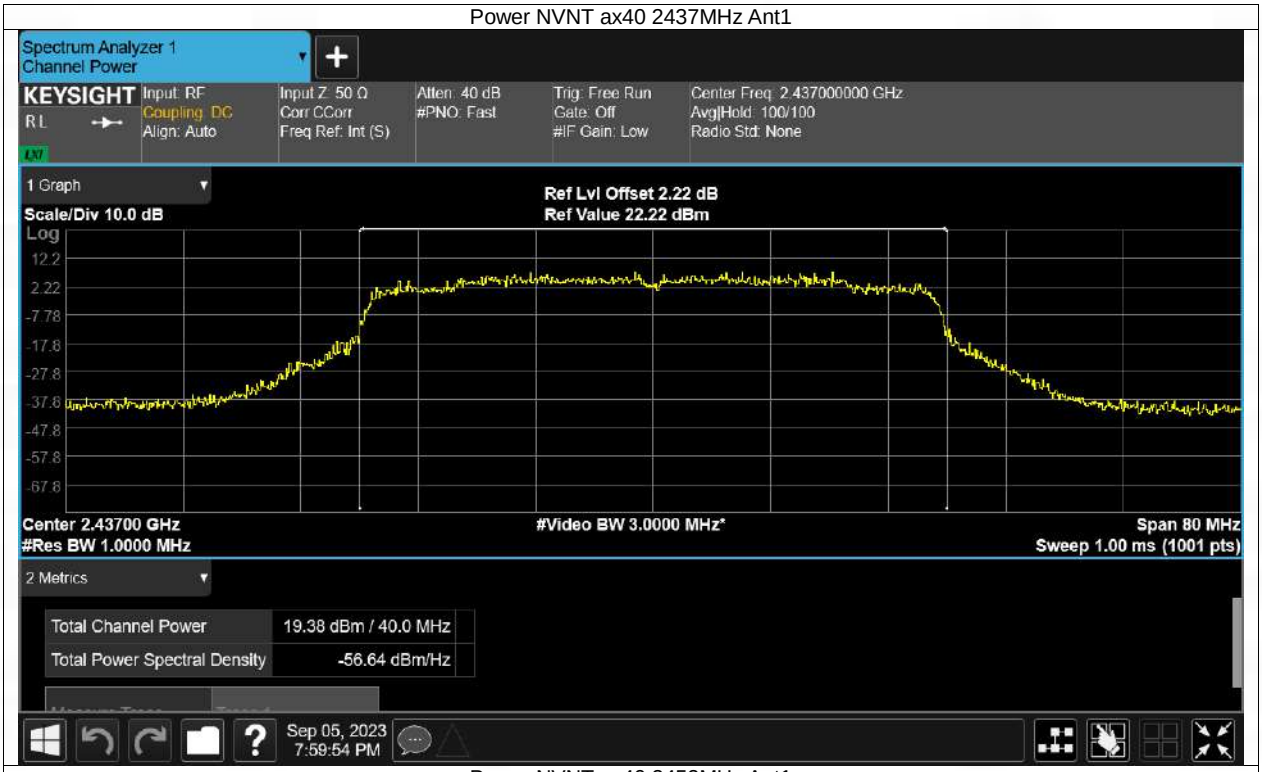
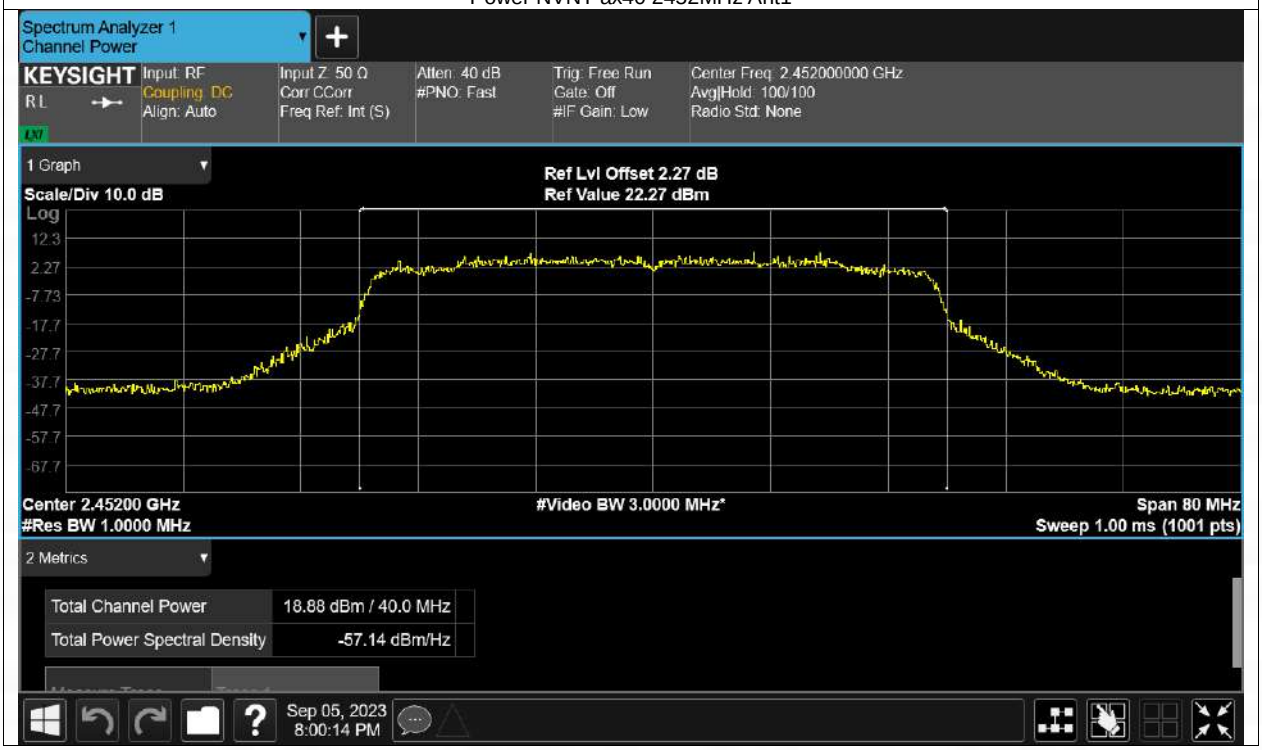
Power NVNT ax40 2437MHz Ant1



Power NVNT ax40 2452MHz Ant1



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3. Maximum Power Spectral Density

3.1 PSD

3.1.1 Test Result

ANT1

Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	-8.7	8	Pass
b	2437	-8.65	8	Pass
b	2462	-8.72	8	Pass
g	2412	-10.11	8	Pass
g	2437	-9.69	8	Pass
g	2462	-10.13	8	Pass
n20	2412	-11.12	8	Pass
n20	2437	-10.72	8	Pass
n20	2462	-10.95	8	Pass
n40	2422	-16.64	8	Pass
n40	2437	-13.02	8	Pass
n40	2452	-14.57	8	Pass
ax20	2412	-12.04	8	Pass
ax20	2437	-11.72	8	Pass
ax20	2462	-12.18	8	Pass
ax40	2422	-18.57	8	Pass
ax40	2437	-14.85	8	Pass
ax40	2452	-16.42	8	Pass

ANT2

Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
b	2412	-9.17	8	Pass
b	2437	-8.77	8	Pass
b	2462	-8.83	8	Pass
g	2412	-10.37	8	Pass
g	2437	-9.96	8	Pass
g	2462	-10.08	8	Pass
n20	2412	-11.4	8	Pass
n20	2437	-11.22	8	Pass
n20	2462	-11.34	8	Pass
n40	2422	-17.03	8	Pass
n40	2437	-13.42	8	Pass
n40	2452	-14.87	8	Pass
ax20	2412	-12.51	8	Pass
ax20	2437	-12.12	8	Pass
ax20	2462	-12.56	8	Pass
ax40	2422	-18.8	8	Pass
ax40	2437	-15.26	8	Pass
ax40	2452	-16.7	8	Pass

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MIMO Mode

Mode	Frequency (MHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
n20	2412	-8.25	8	Pass
n20	2437	-7.95	8	Pass
n20	2462	-8.13	8	Pass
n40	2422	-13.82	8	Pass
n40	2437	-10.21	8	Pass
n40	2452	-11.71	8	Pass
ax20	2412	-9.26	8	Pass
ax20	2437	-8.91	8	Pass
ax20	2462	-9.36	8	Pass
ax40	2422	-15.67	8	Pass
ax40	2437	-12.04	8	Pass
ax40	2452	-13.55	8	Pass

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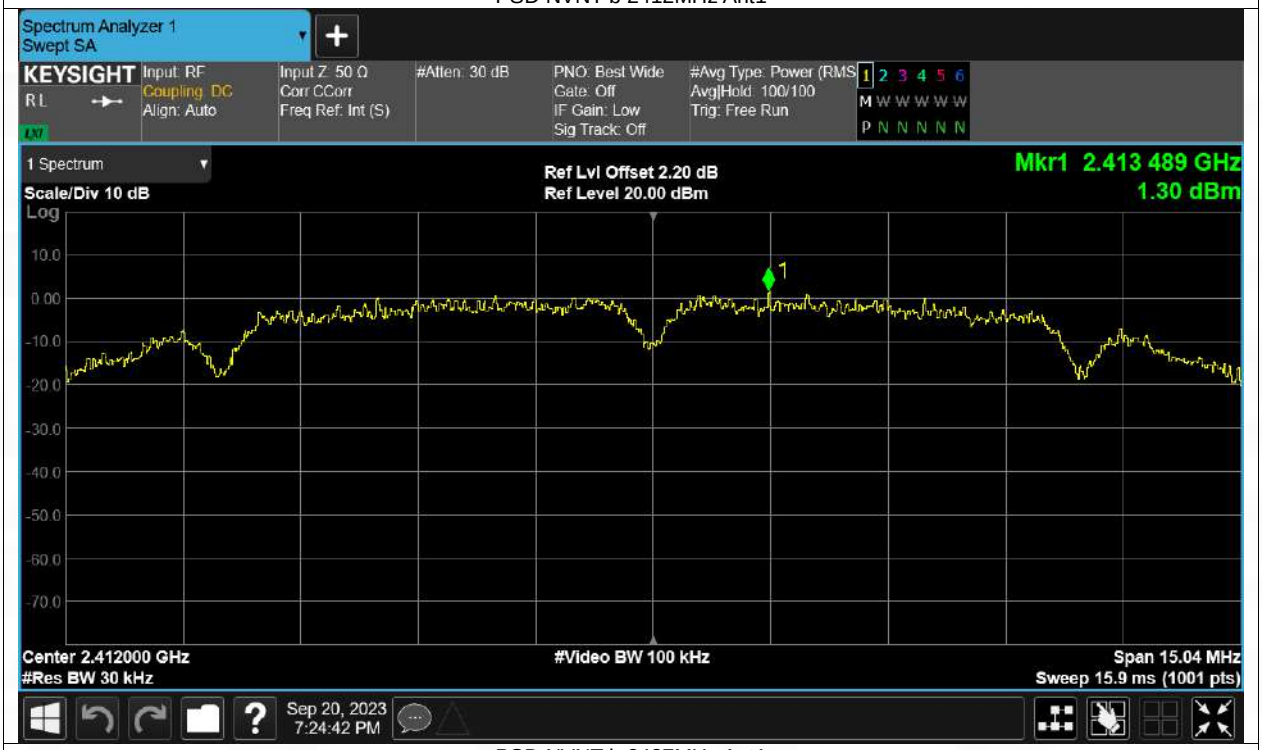
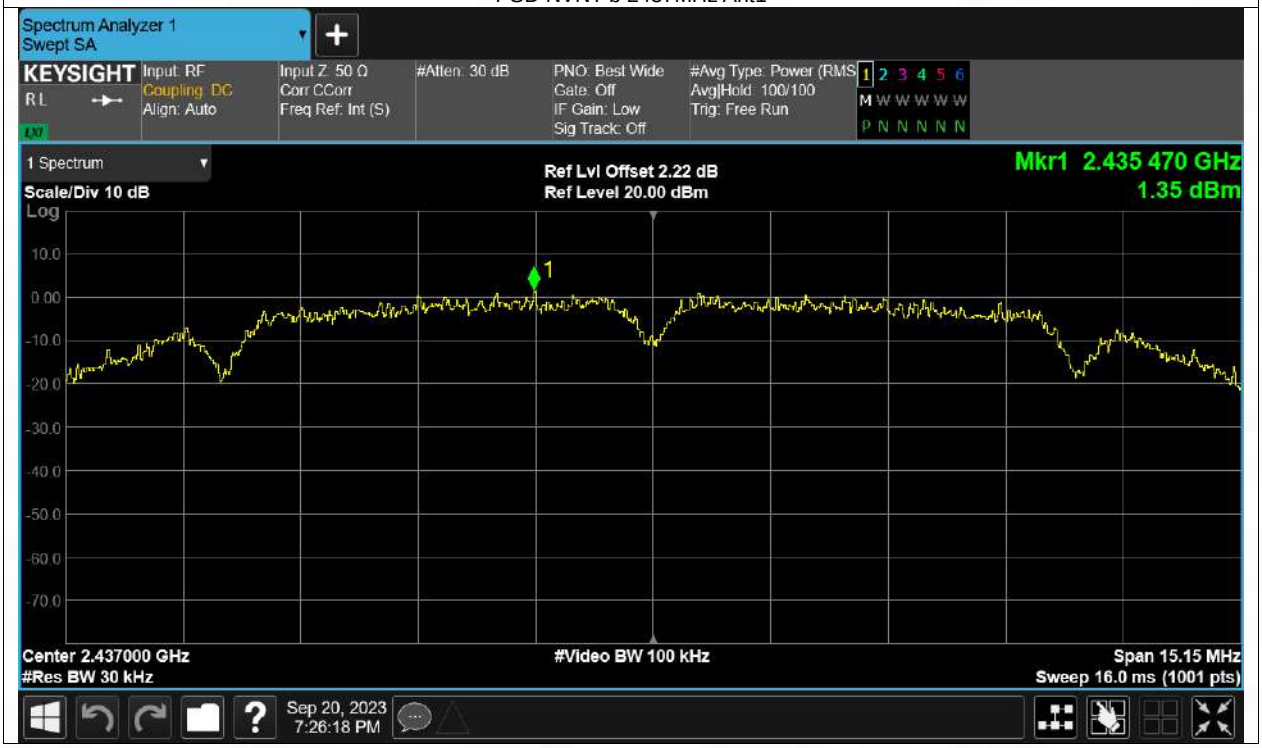
3.1.2 Test Graph

ANT1

Test Graphs
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



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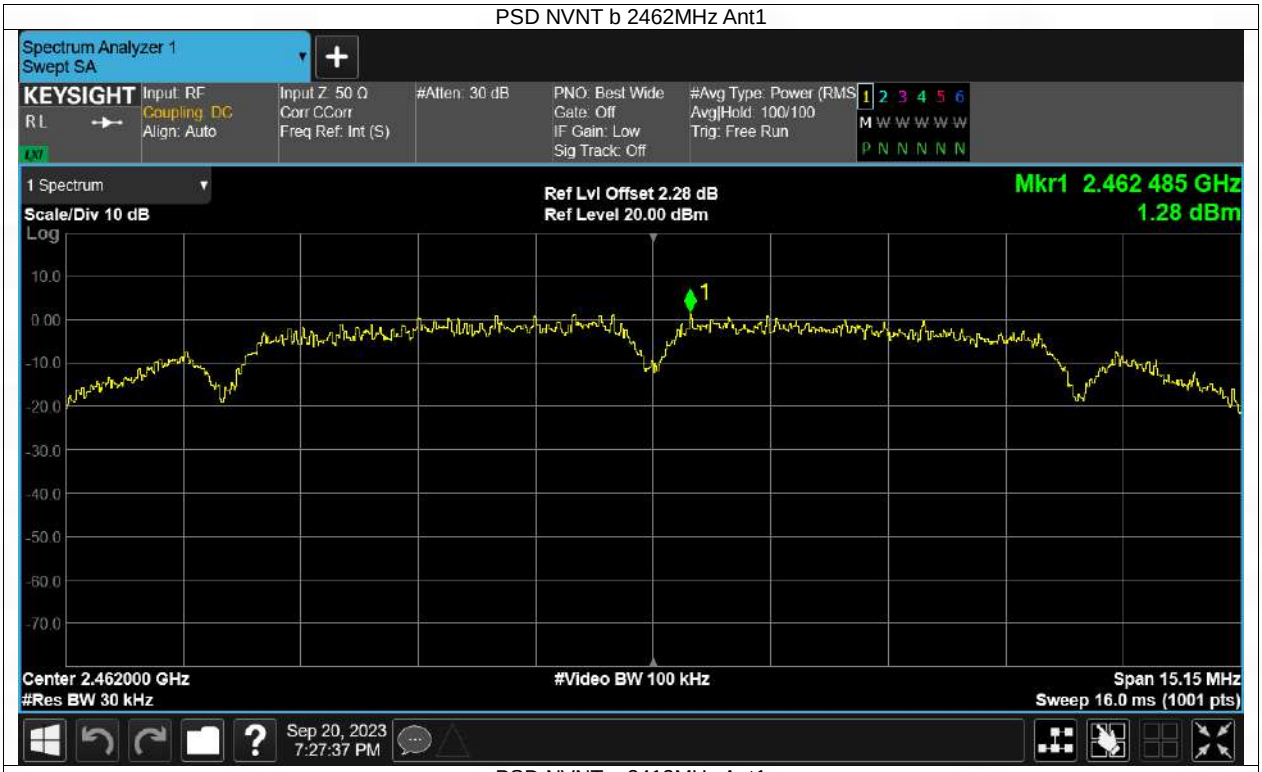
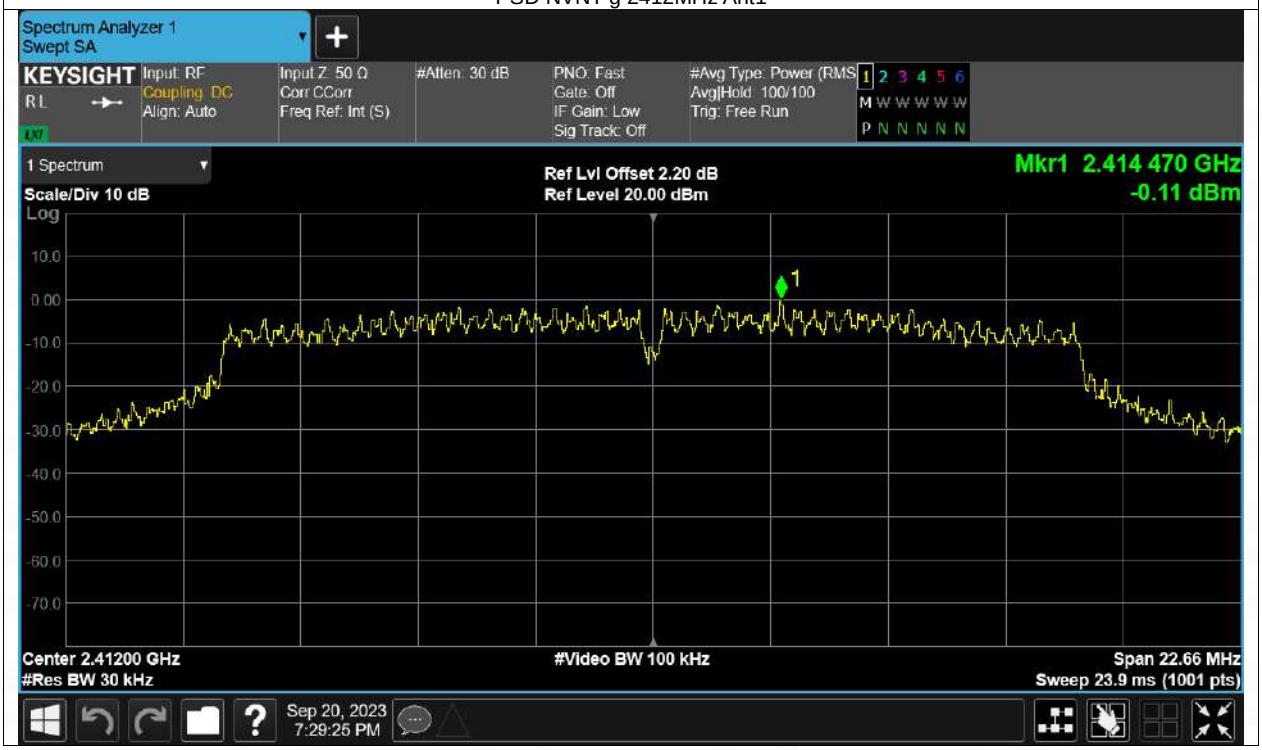
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



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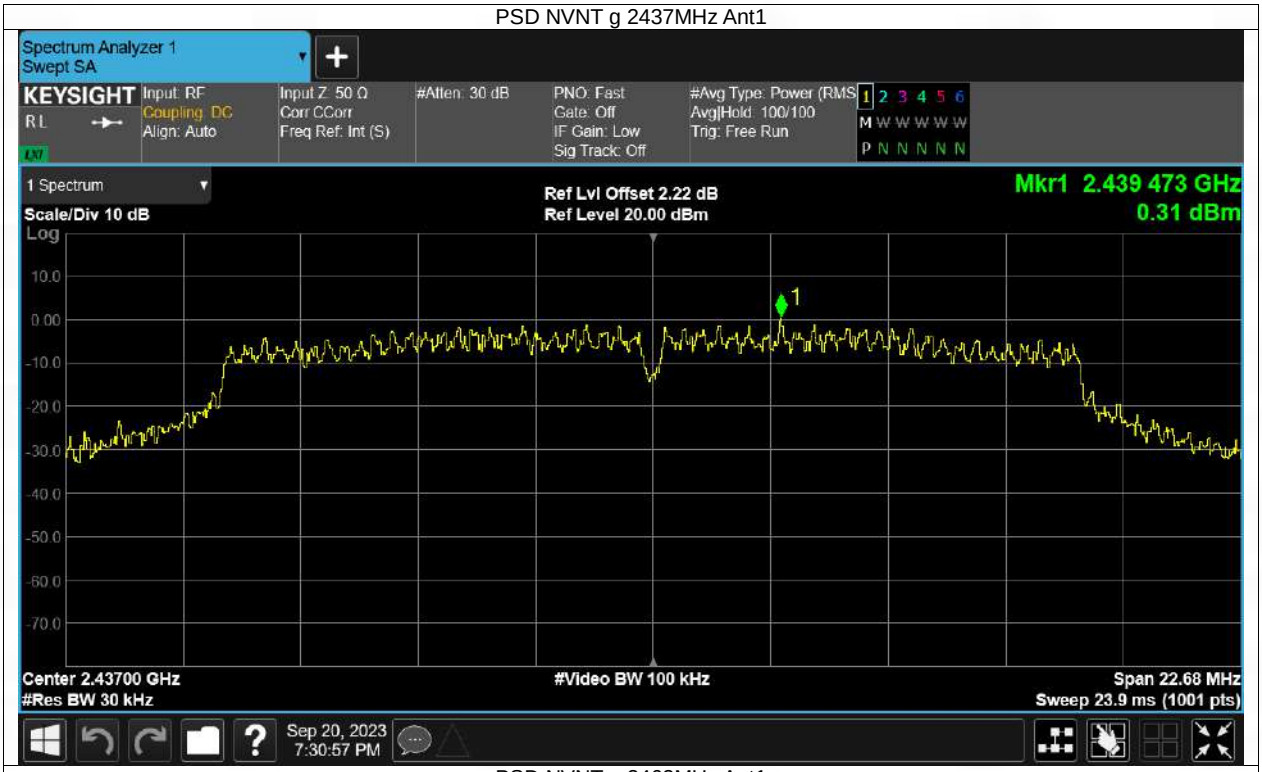
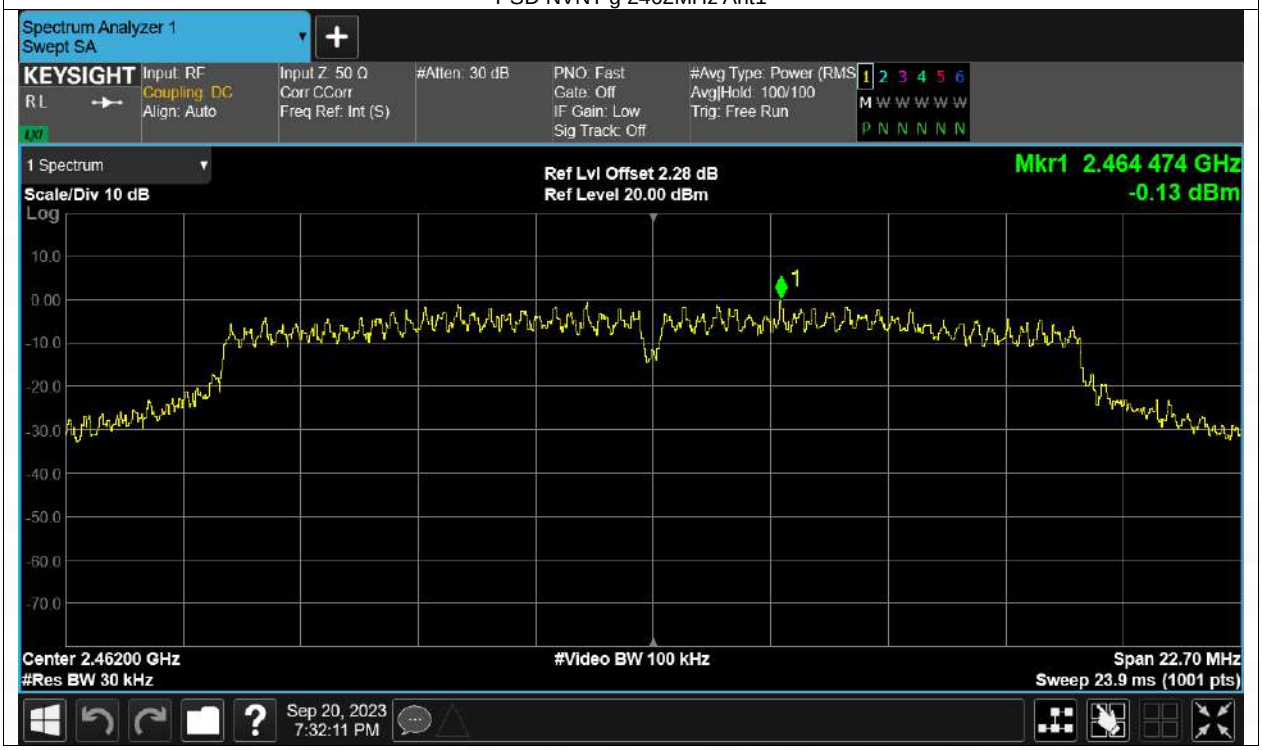
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



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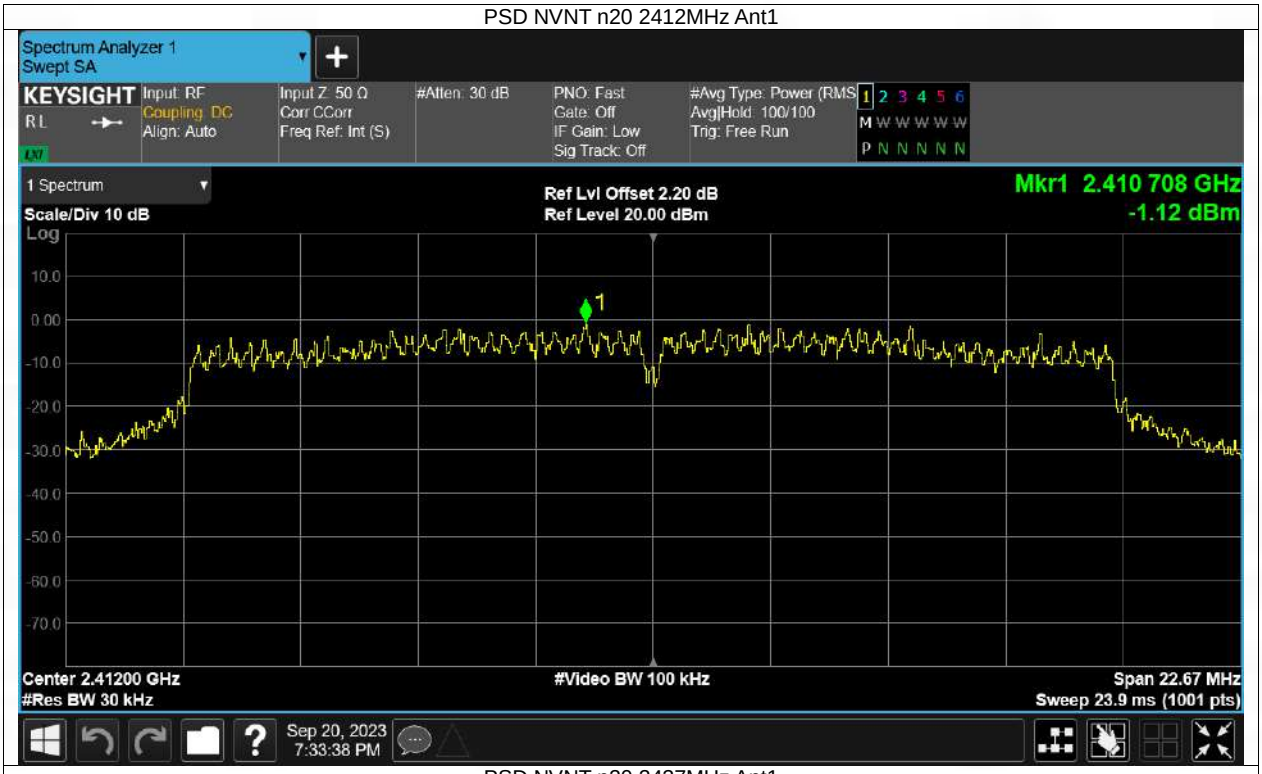
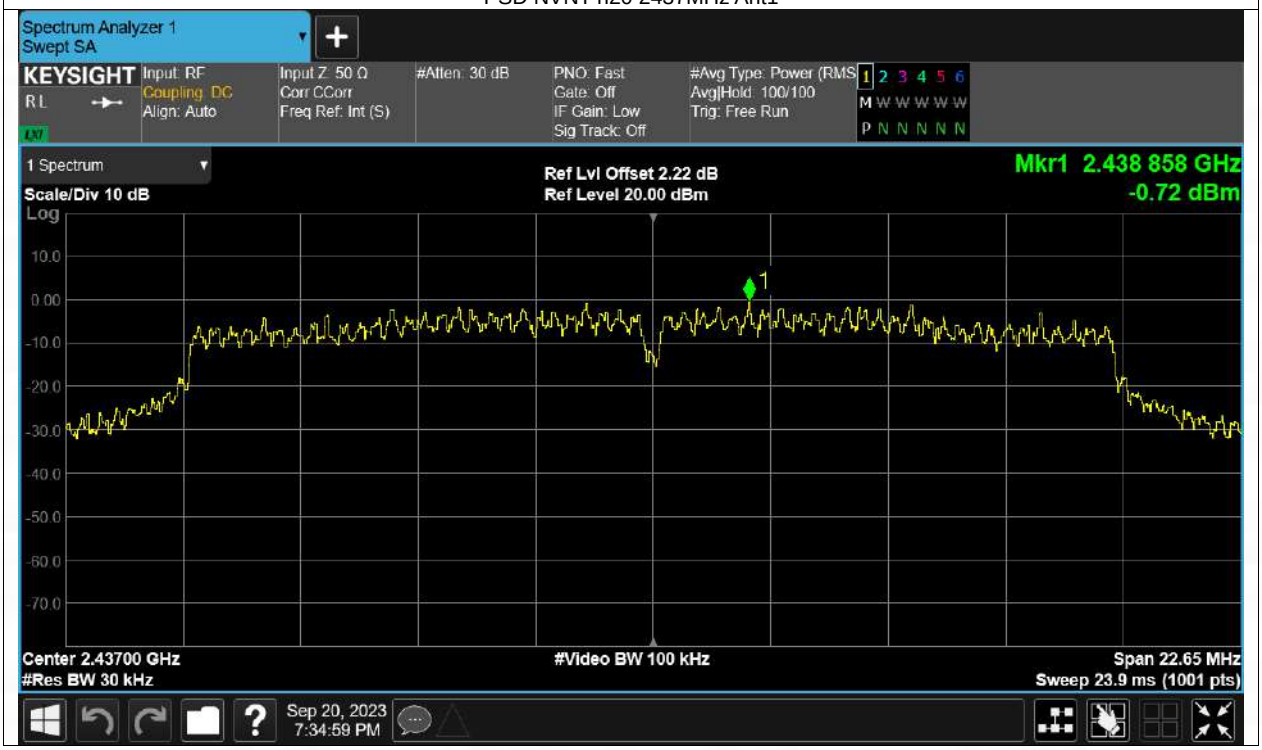
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



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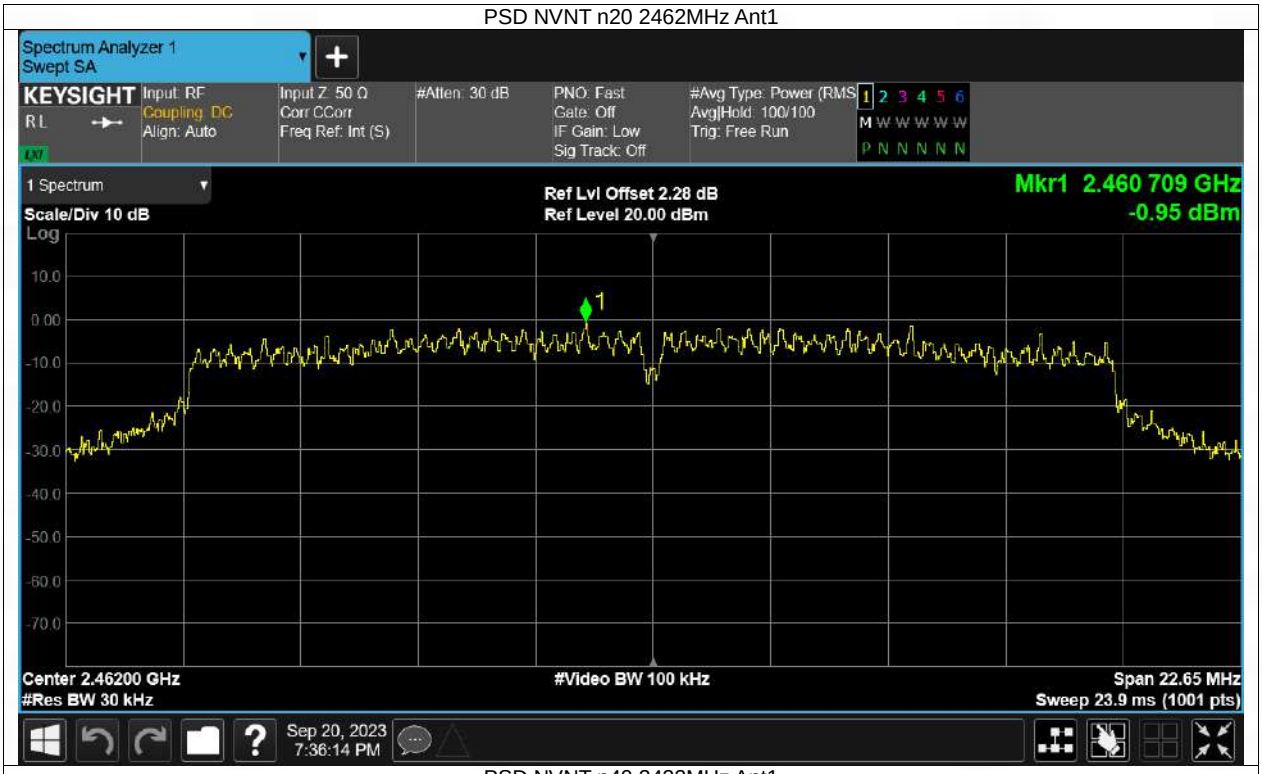
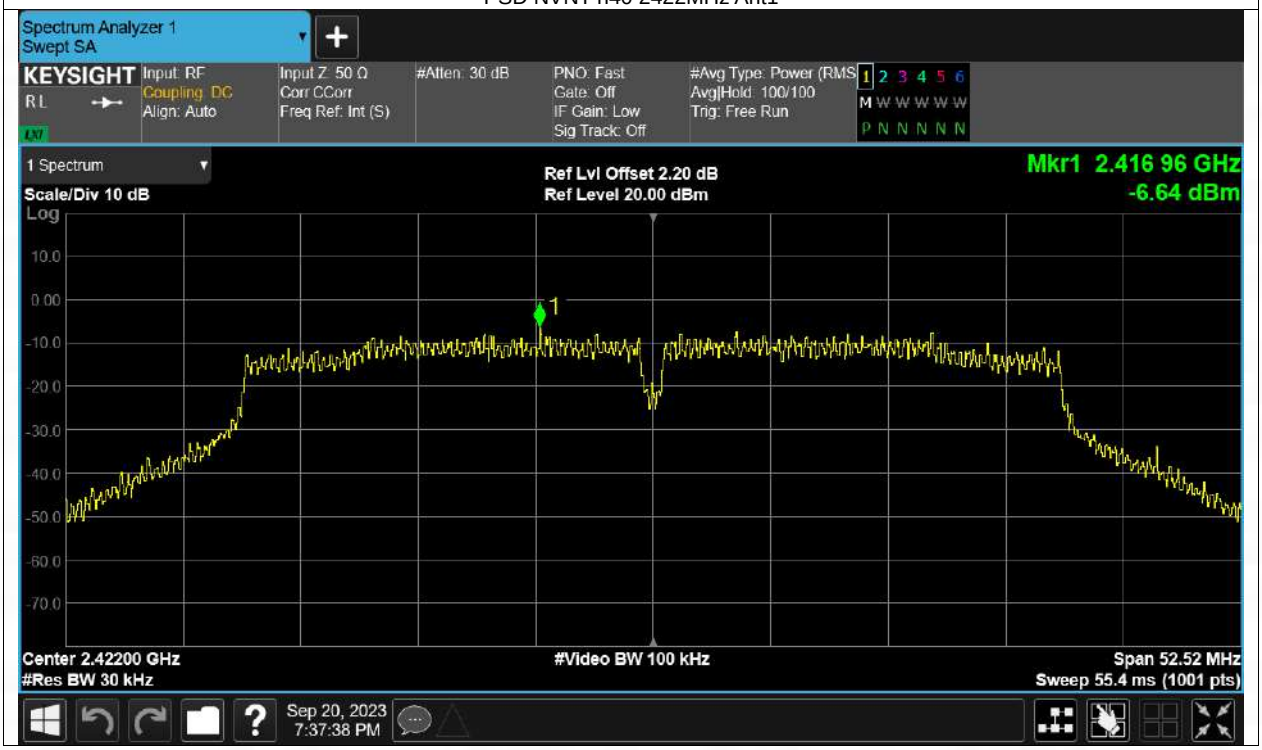
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



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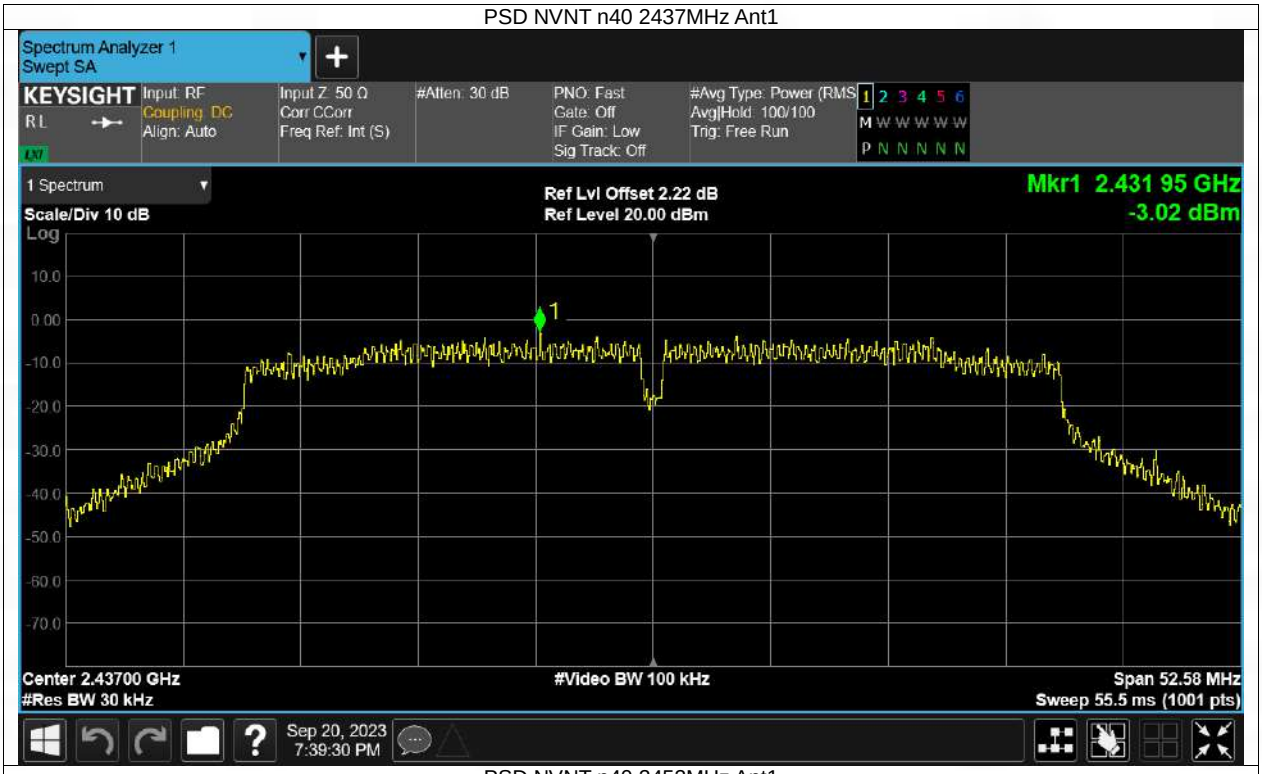
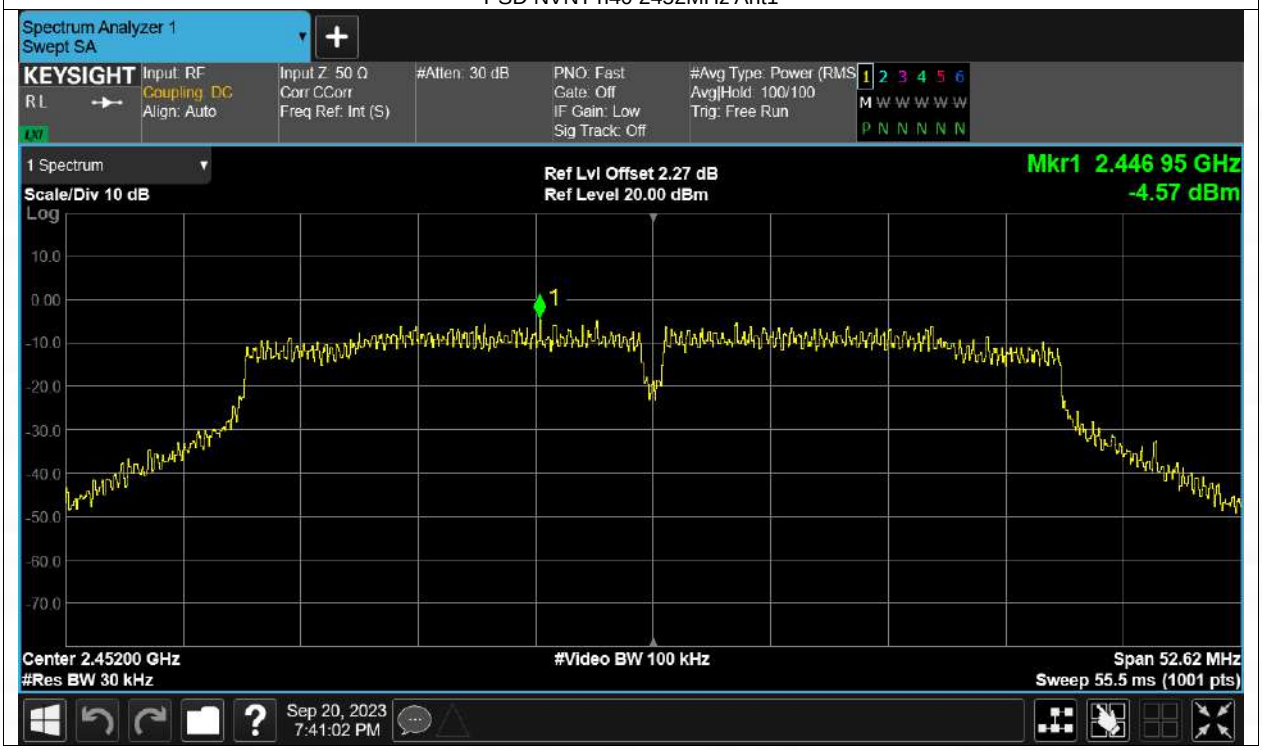
PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



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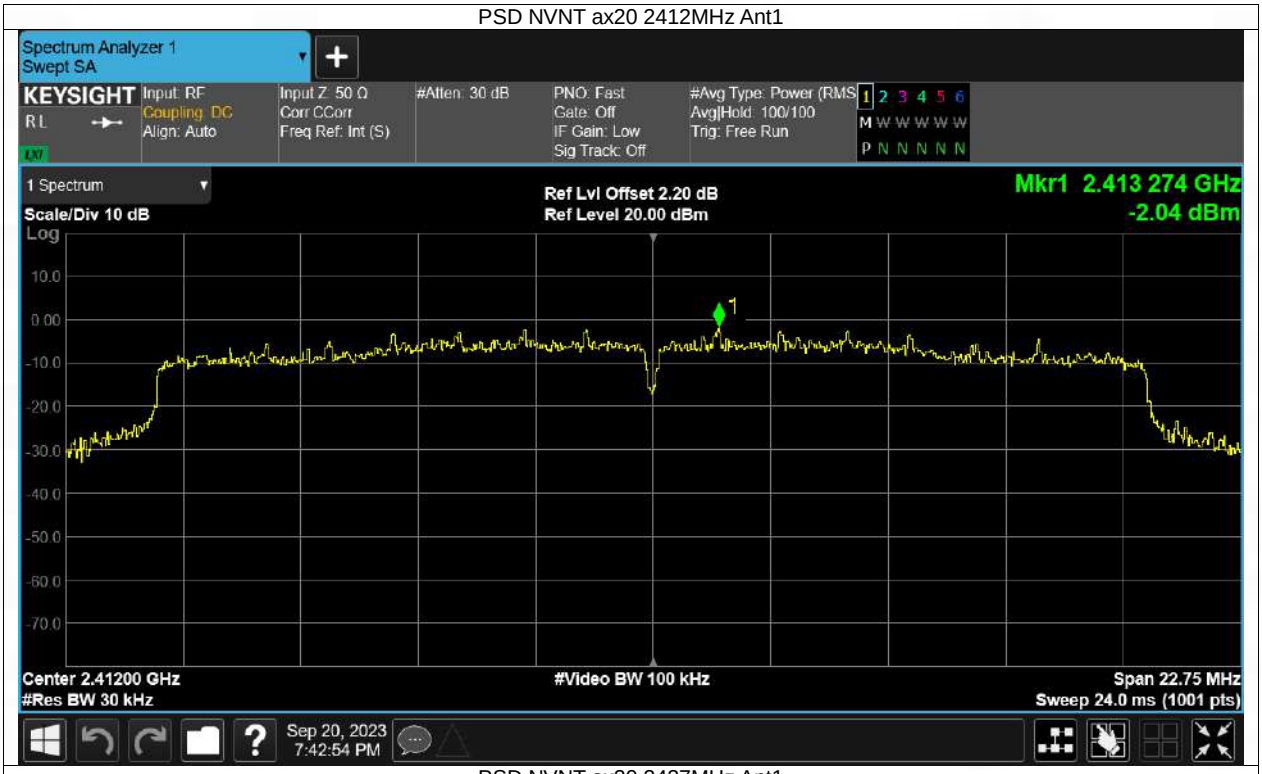
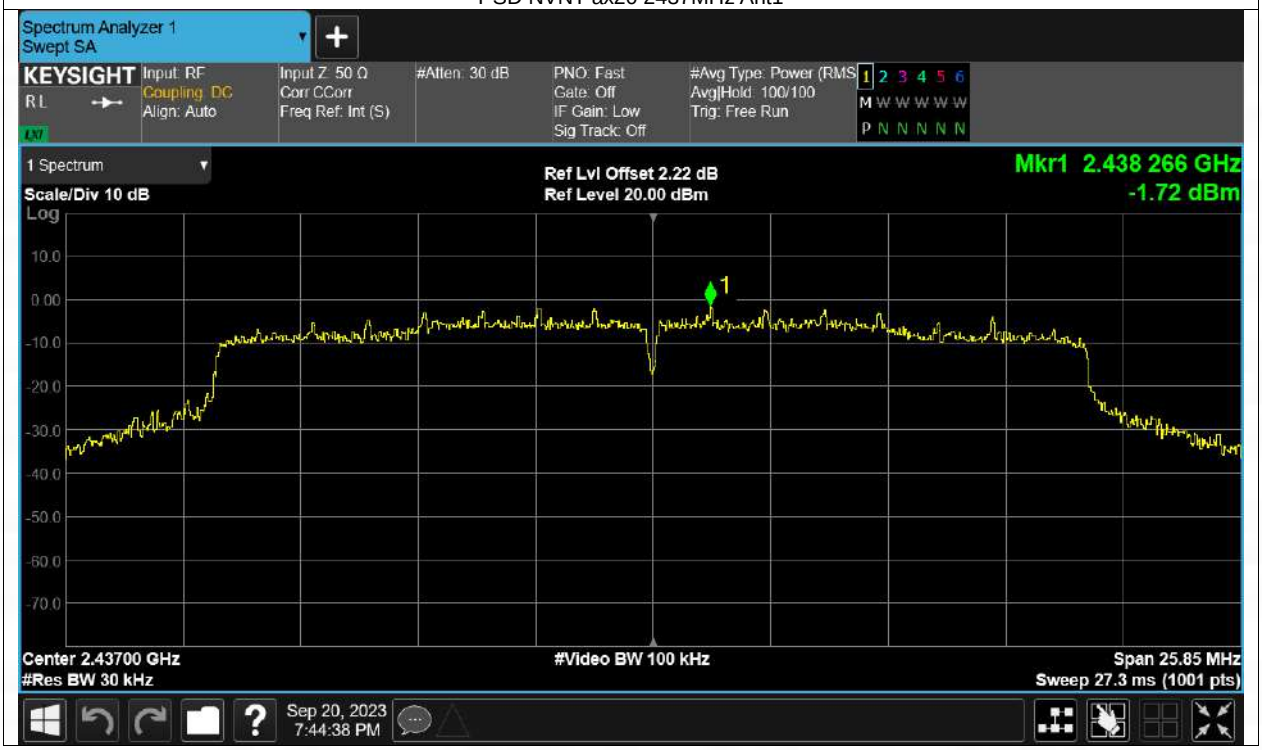
PSD NVNT ax20 2412MHz Ant1



PSD NVNT ax20 2437MHz Ant1



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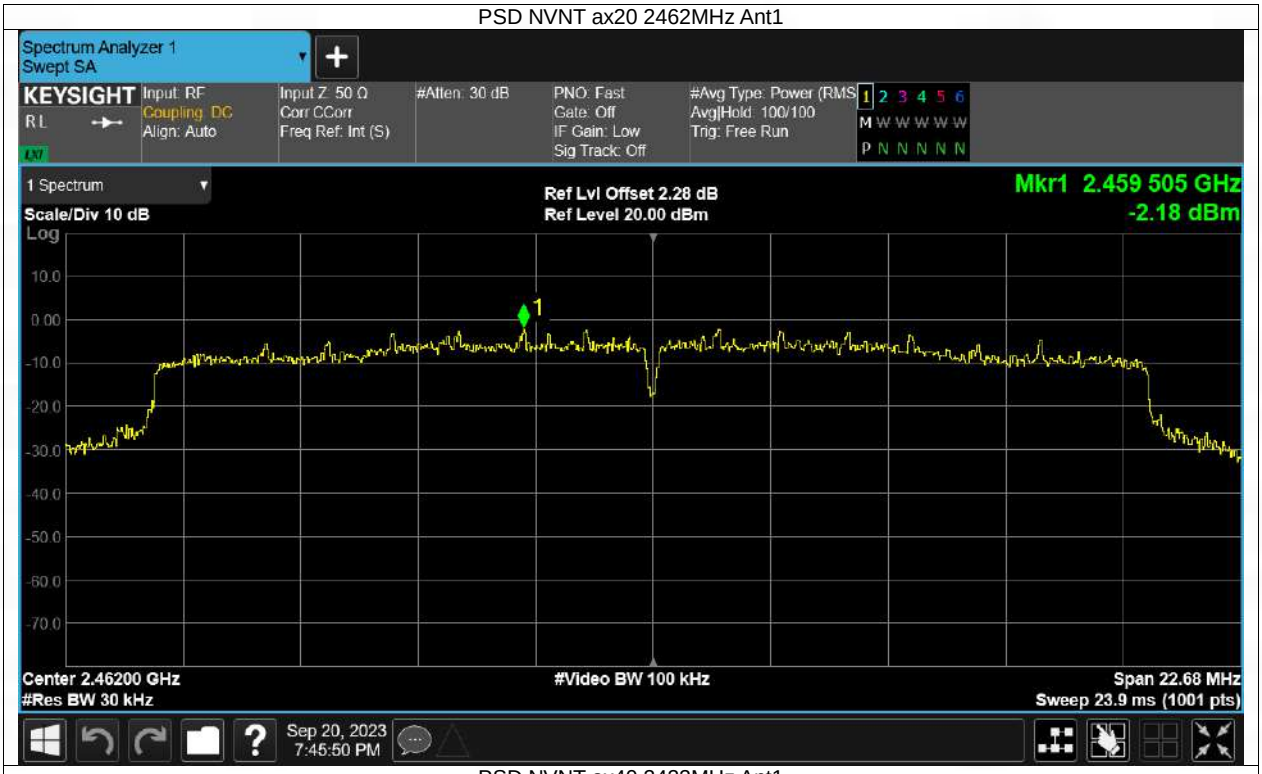
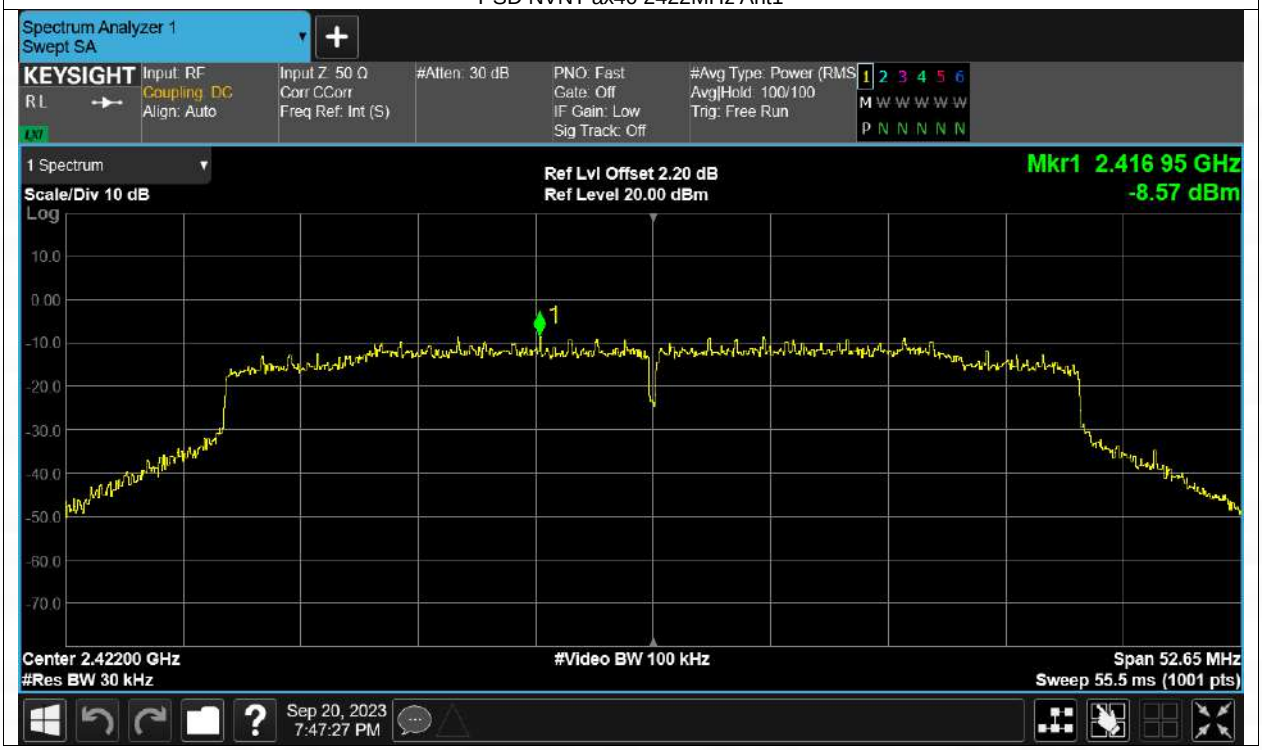
PSD NVNT ax20 2462MHz Ant1



PSD NVNT ax40 2422MHz Ant1



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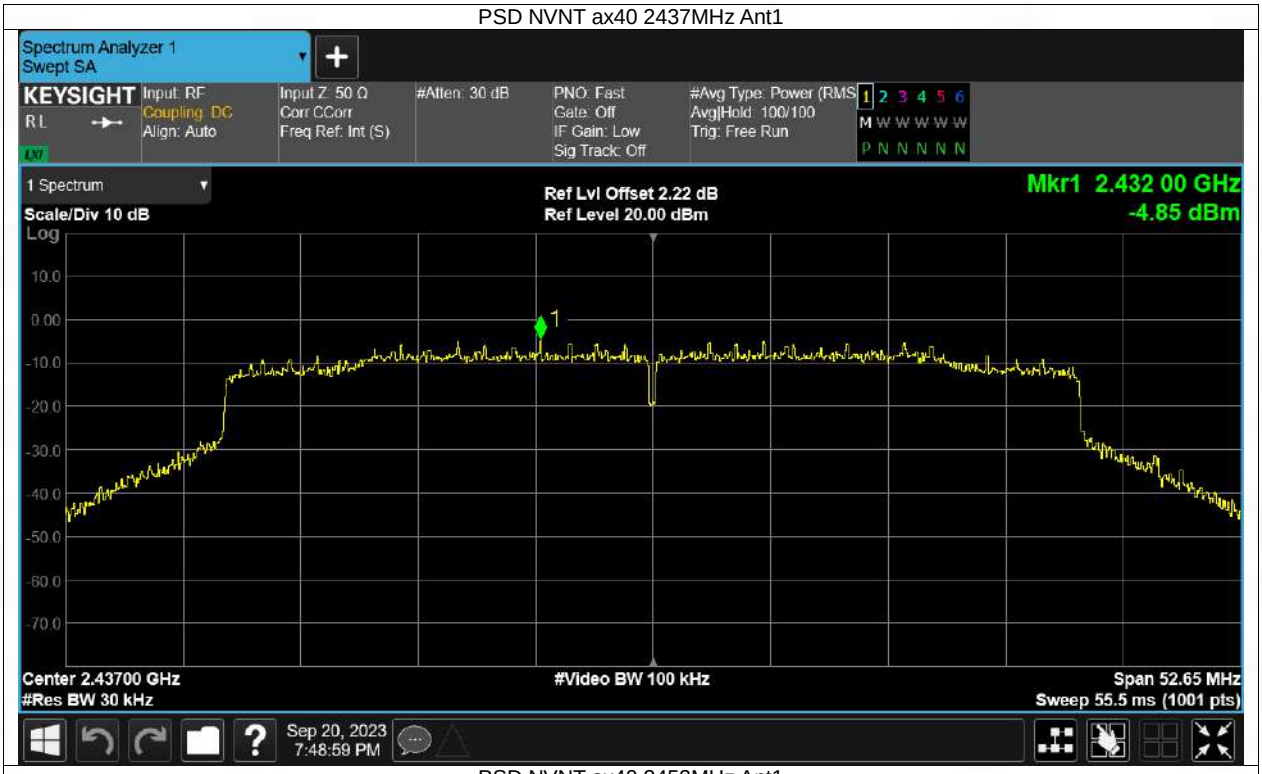
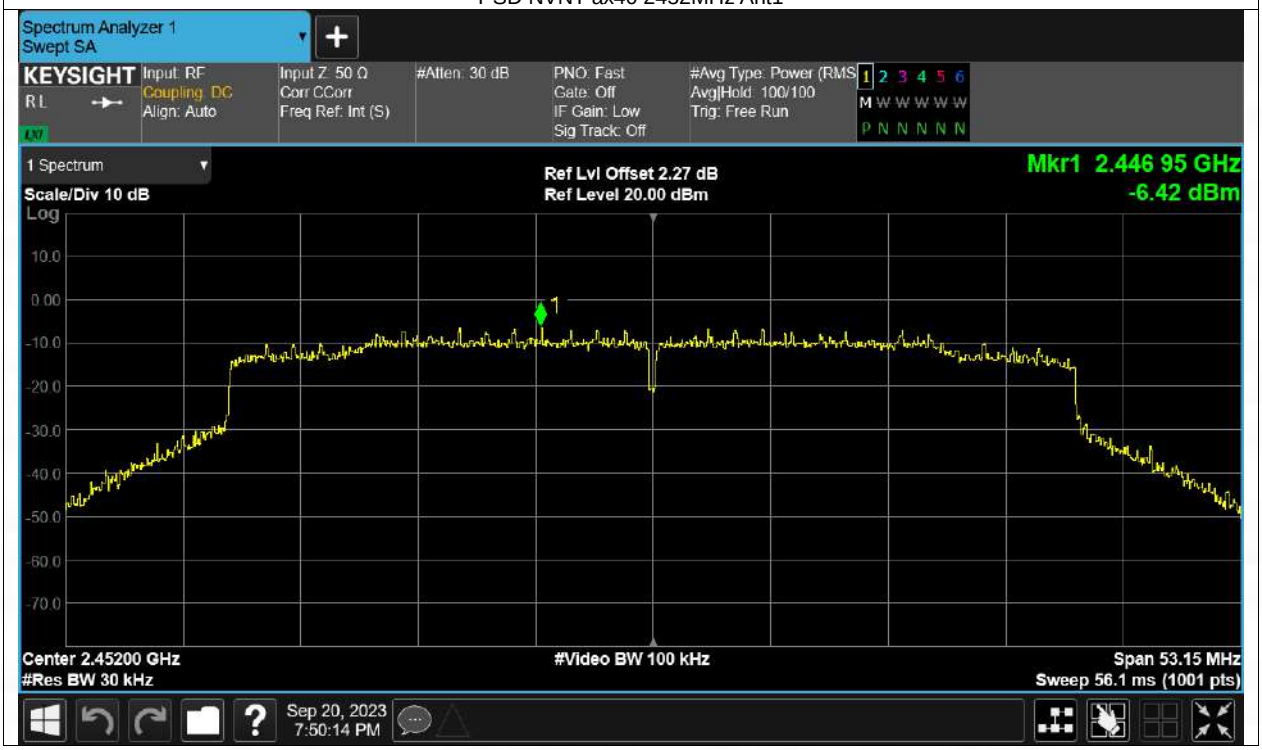
PSD NVNT ax40 2437MHz Ant1



PSD NVNT ax40 2452MHz Ant1



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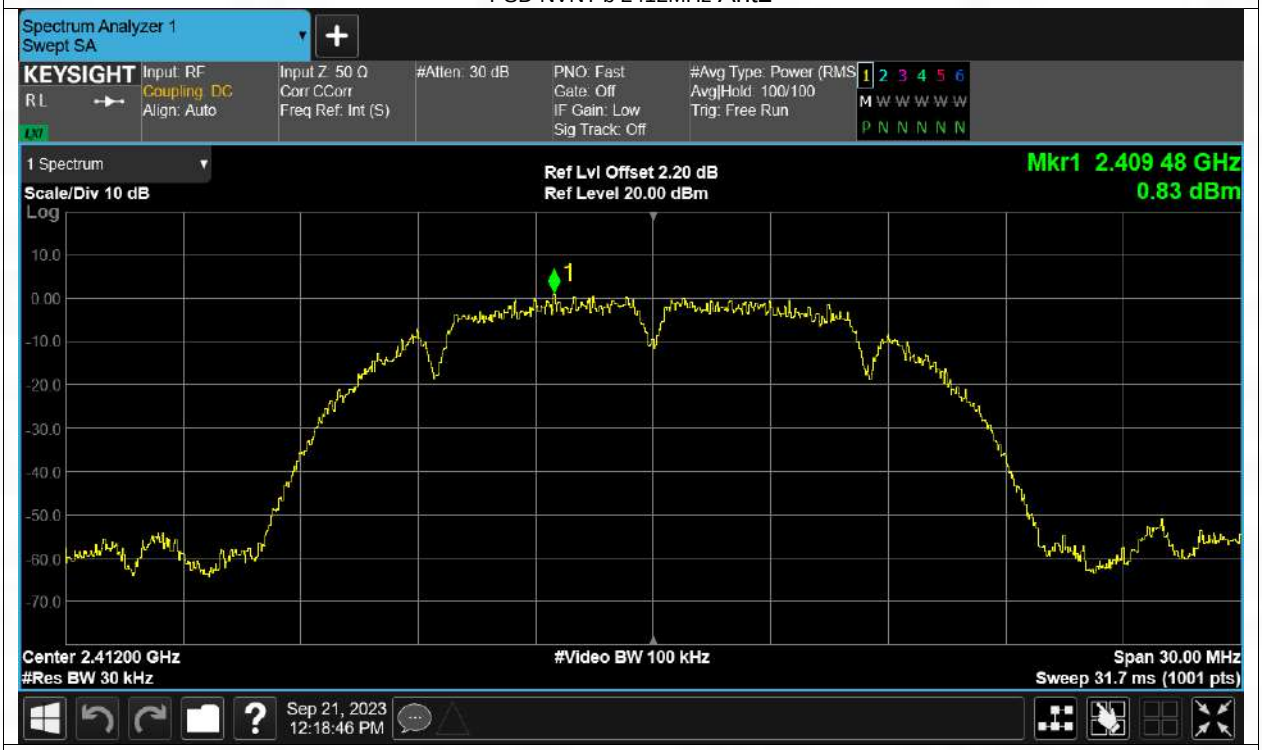
ANT2

Test Graphs
PSD NVNT b 2412MHz Ant2



PSD NVNT b 2437MHz Ant2

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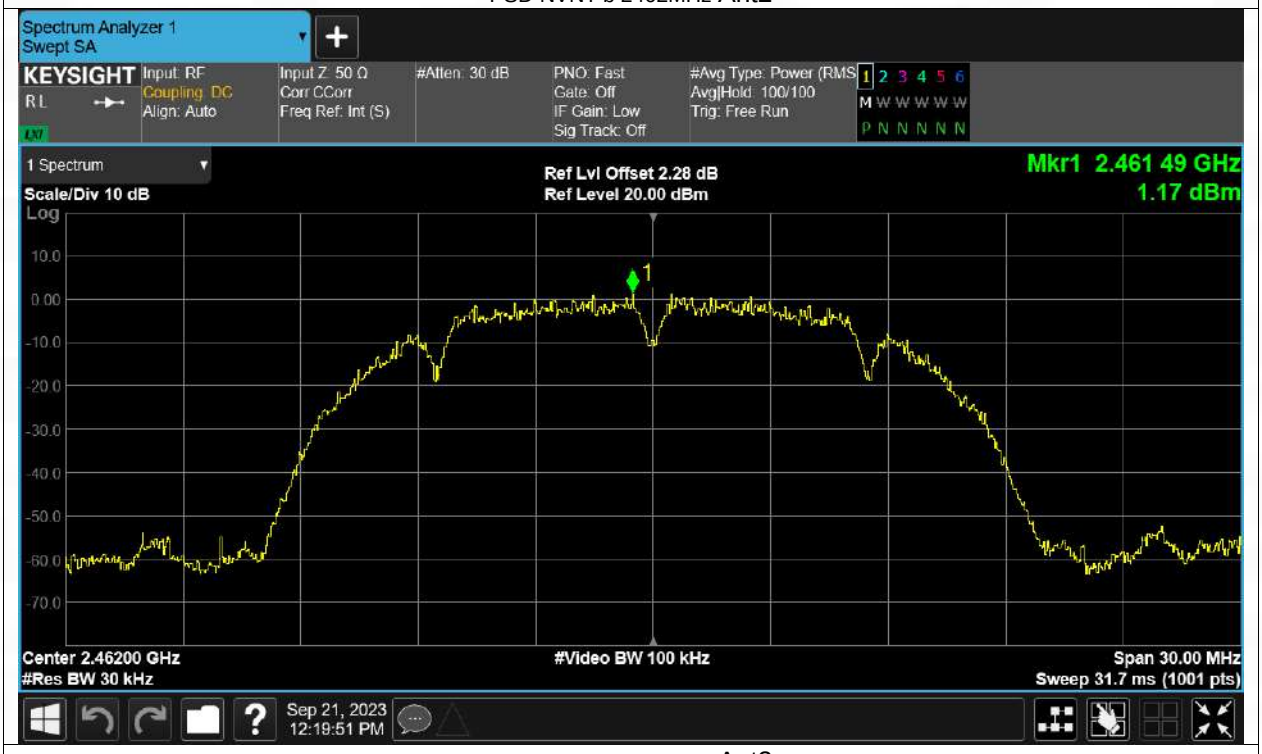
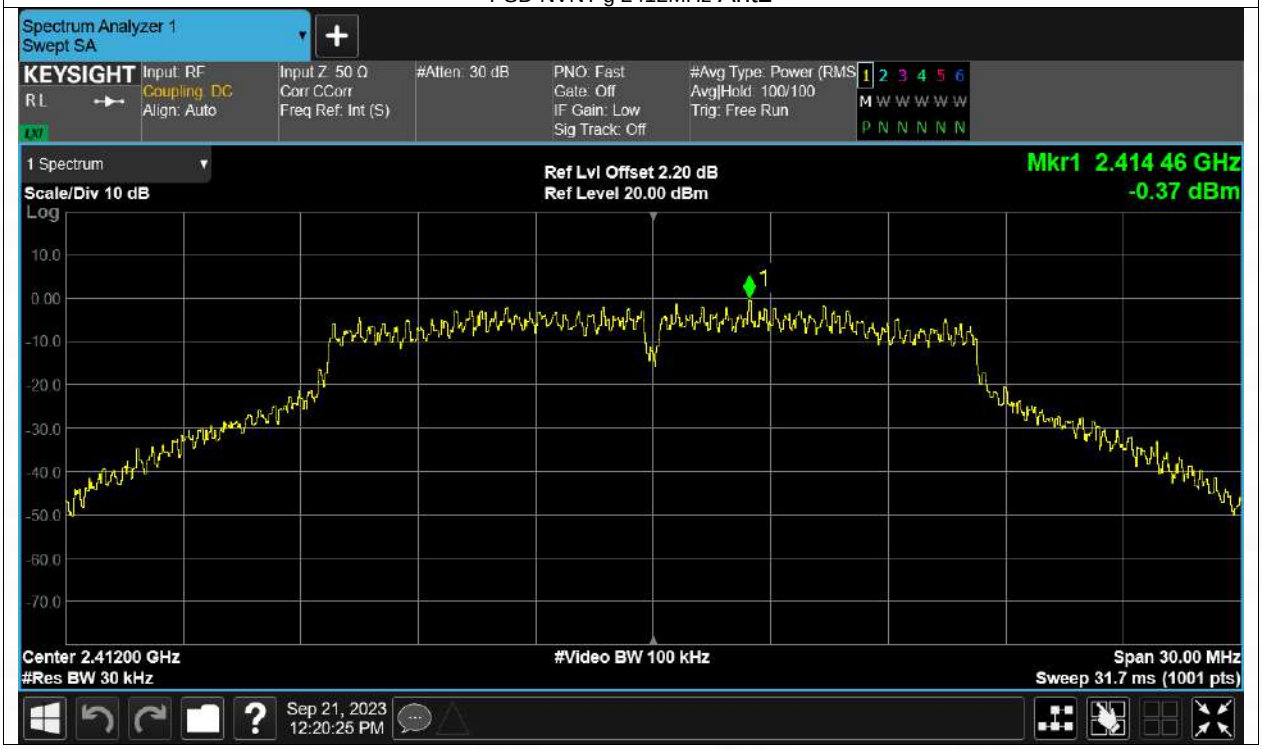
PSD NVNT b 2462MHz Ant2



PSD NVNT g 2412MHz Ant2



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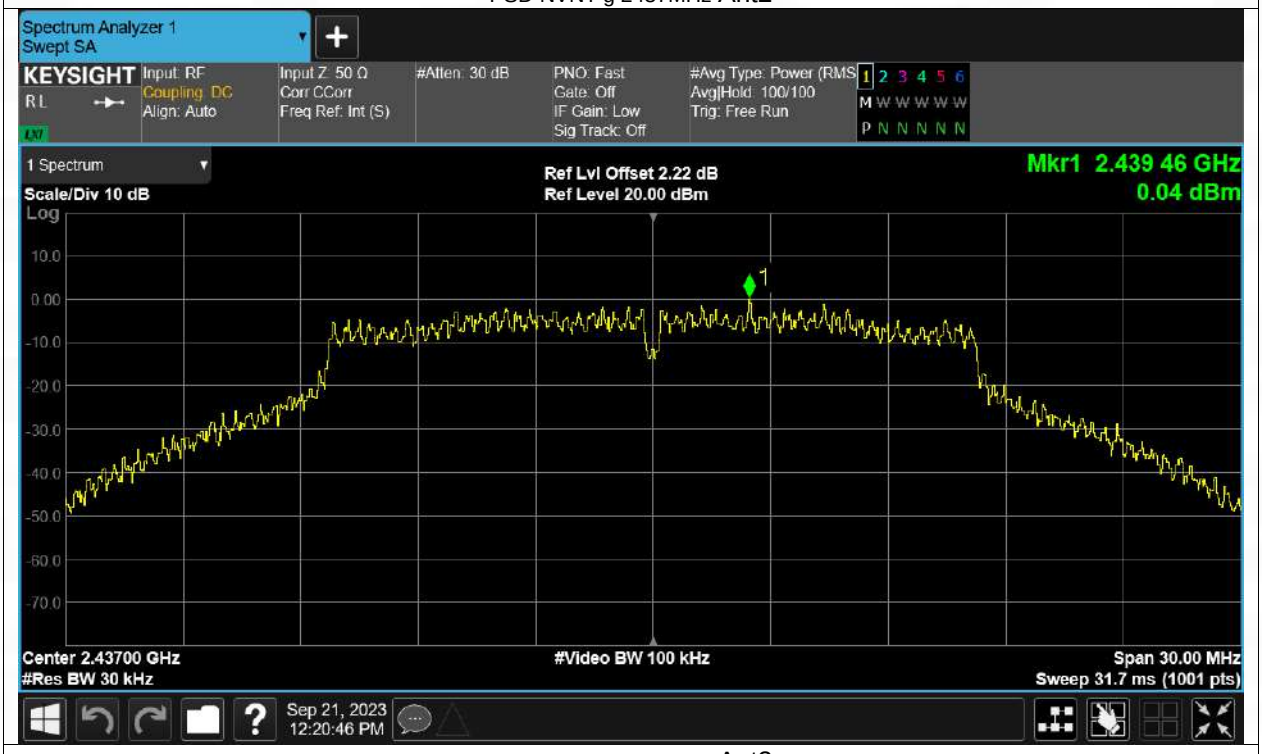
PSD NVNT g 2437MHz Ant2



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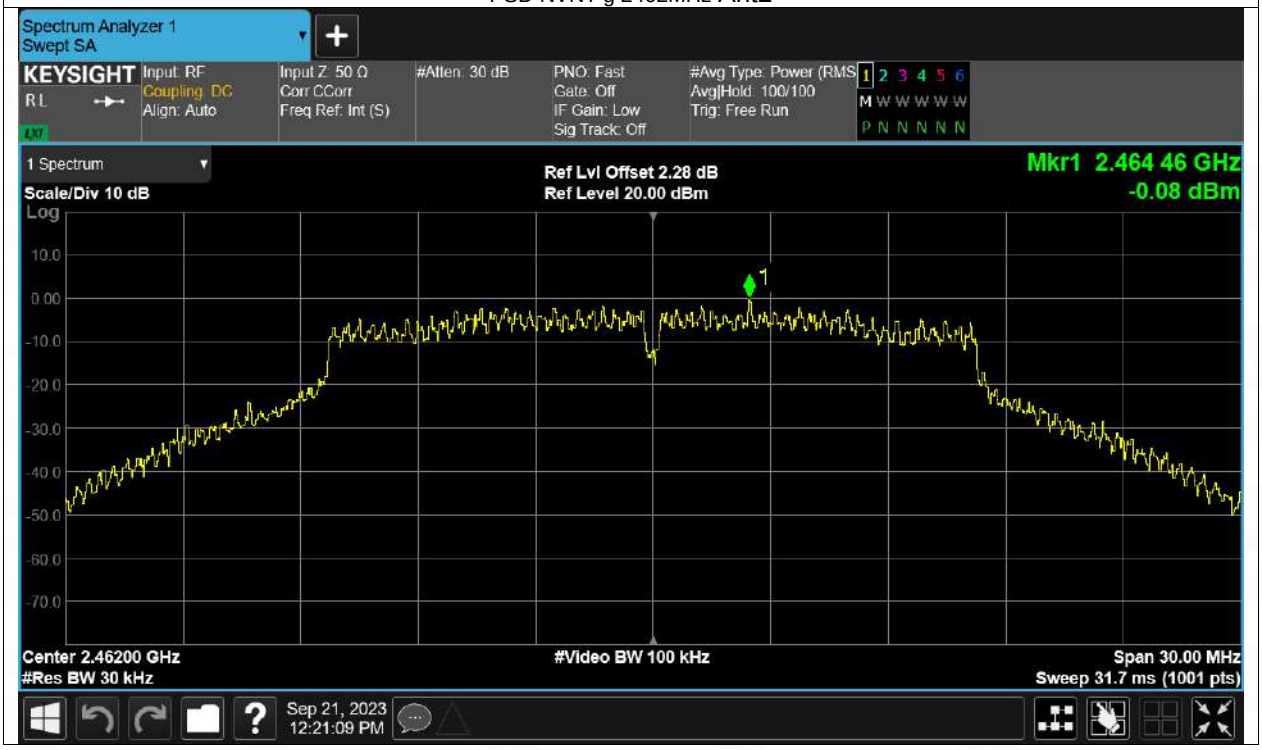

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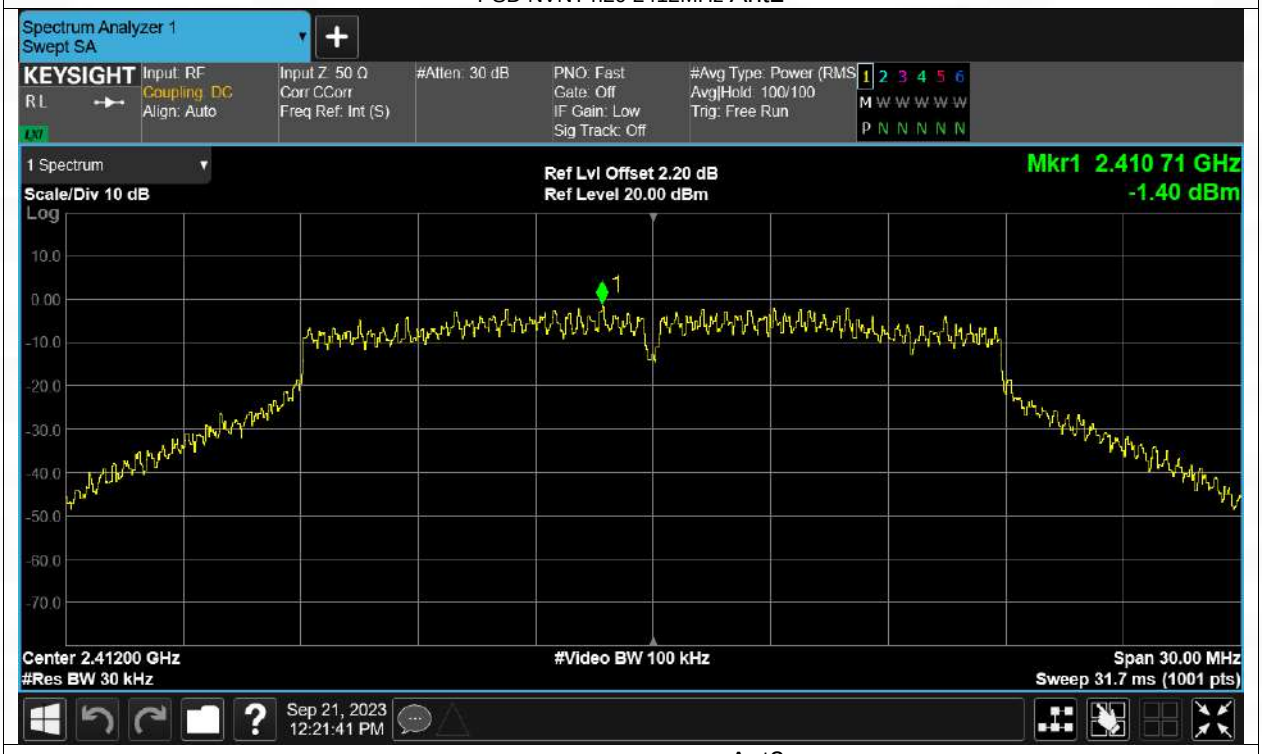
PSD NVNT n20 2412MHz Ant2



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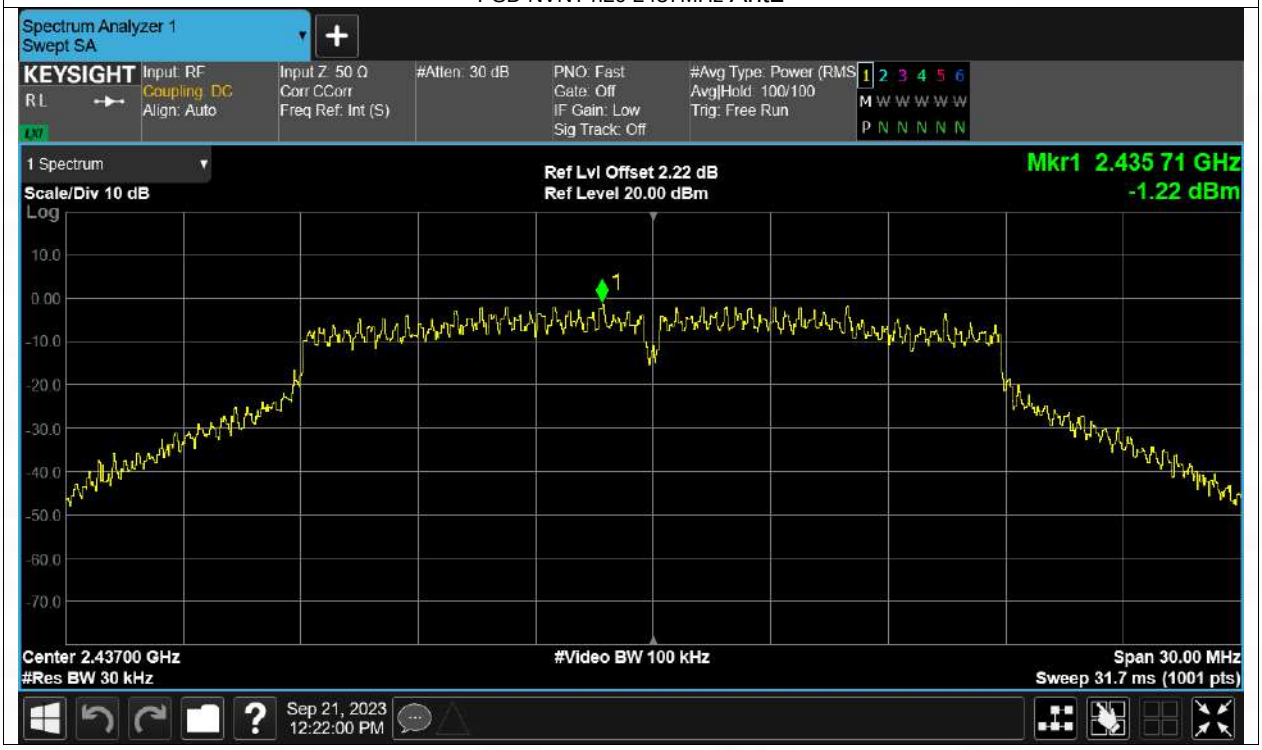

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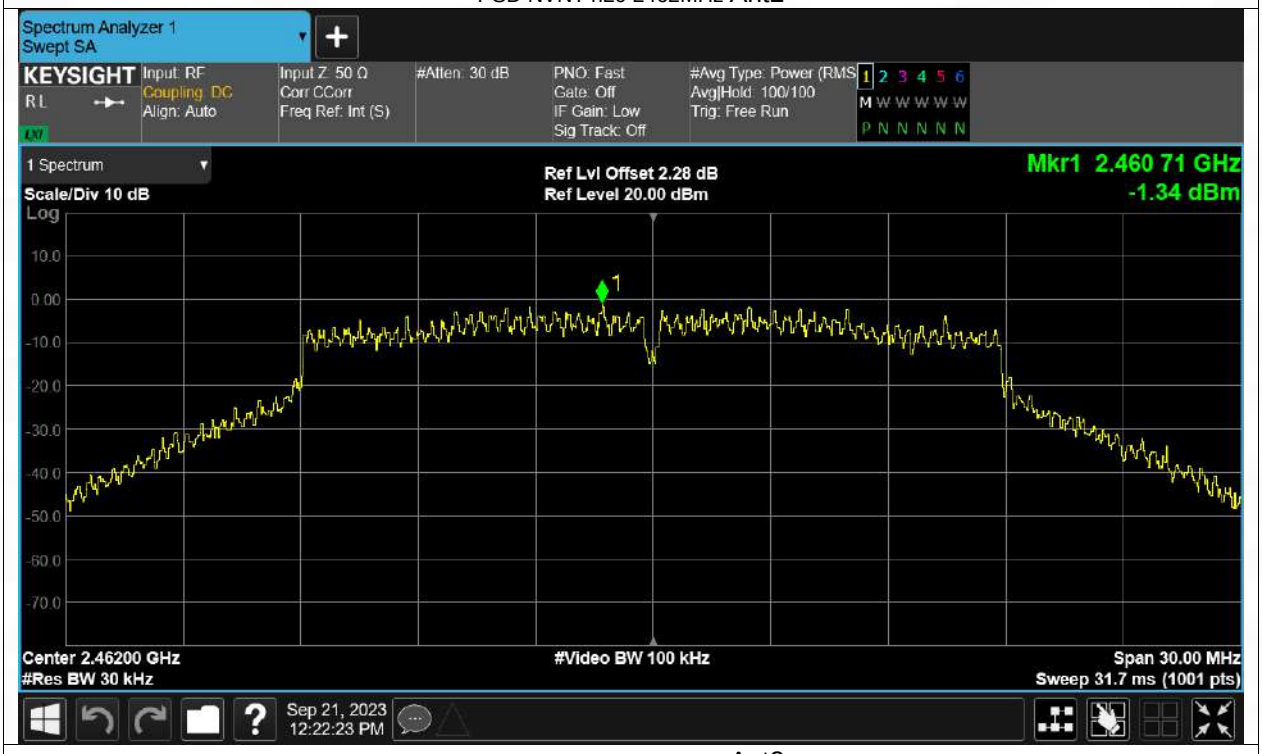

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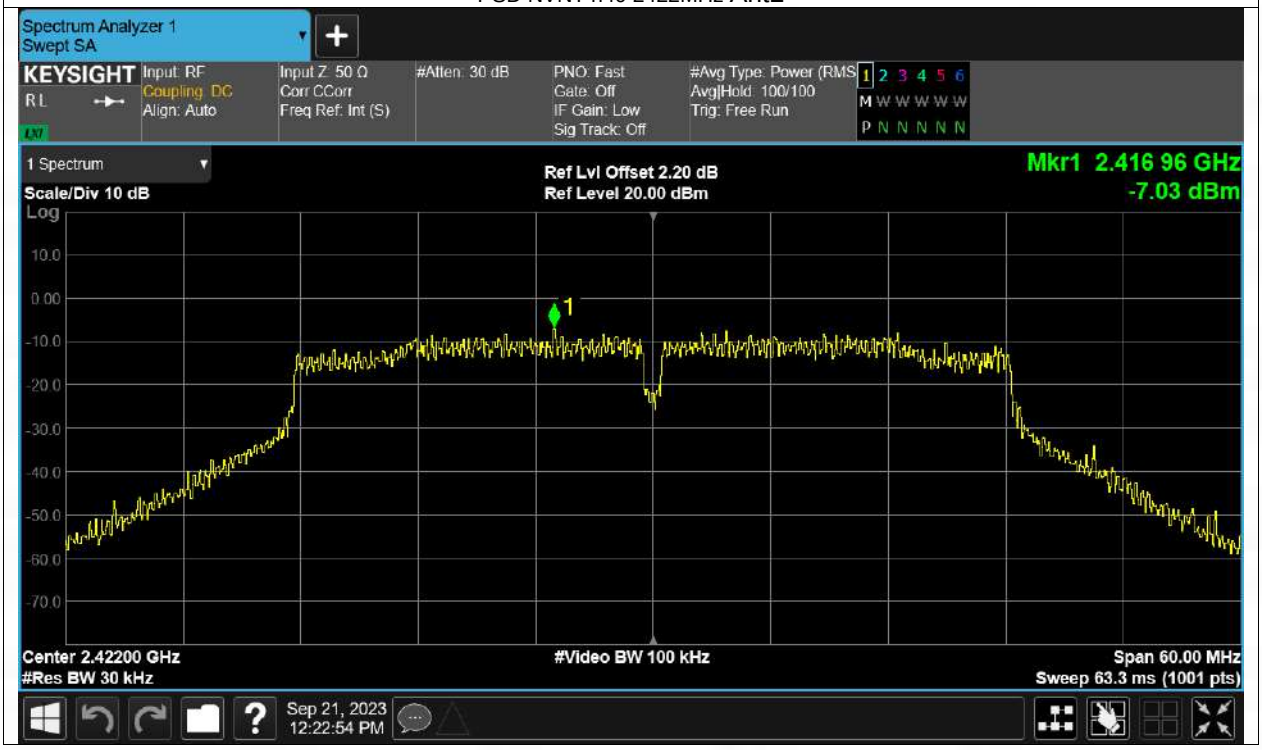

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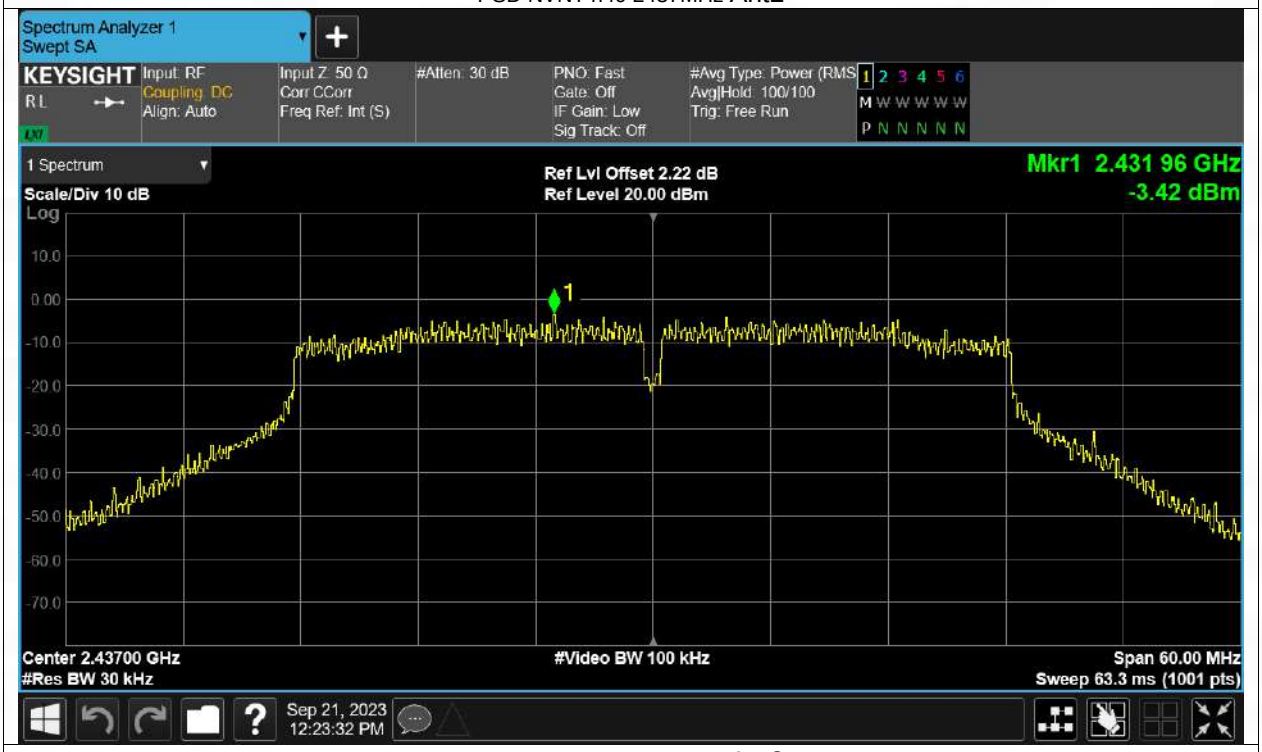
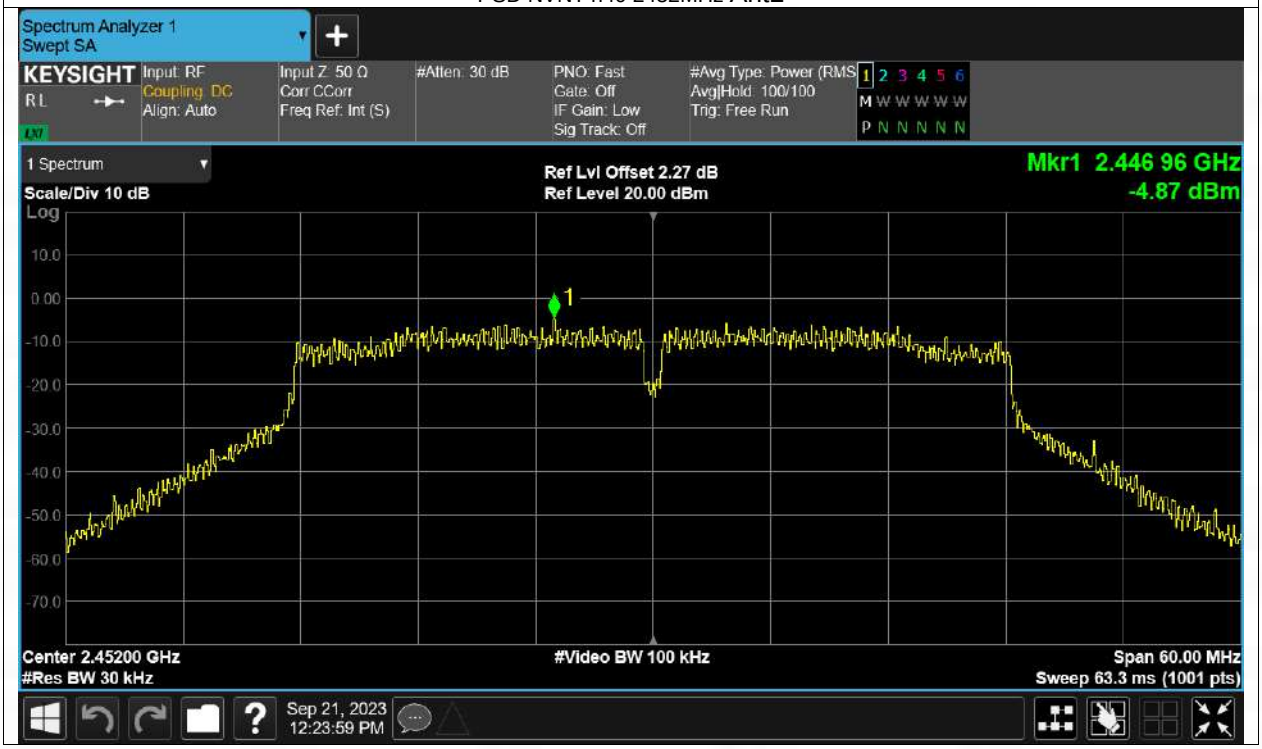
PSD NVNT n40 2437MHz Ant2



PSD NVNT n40 2452MHz Ant2



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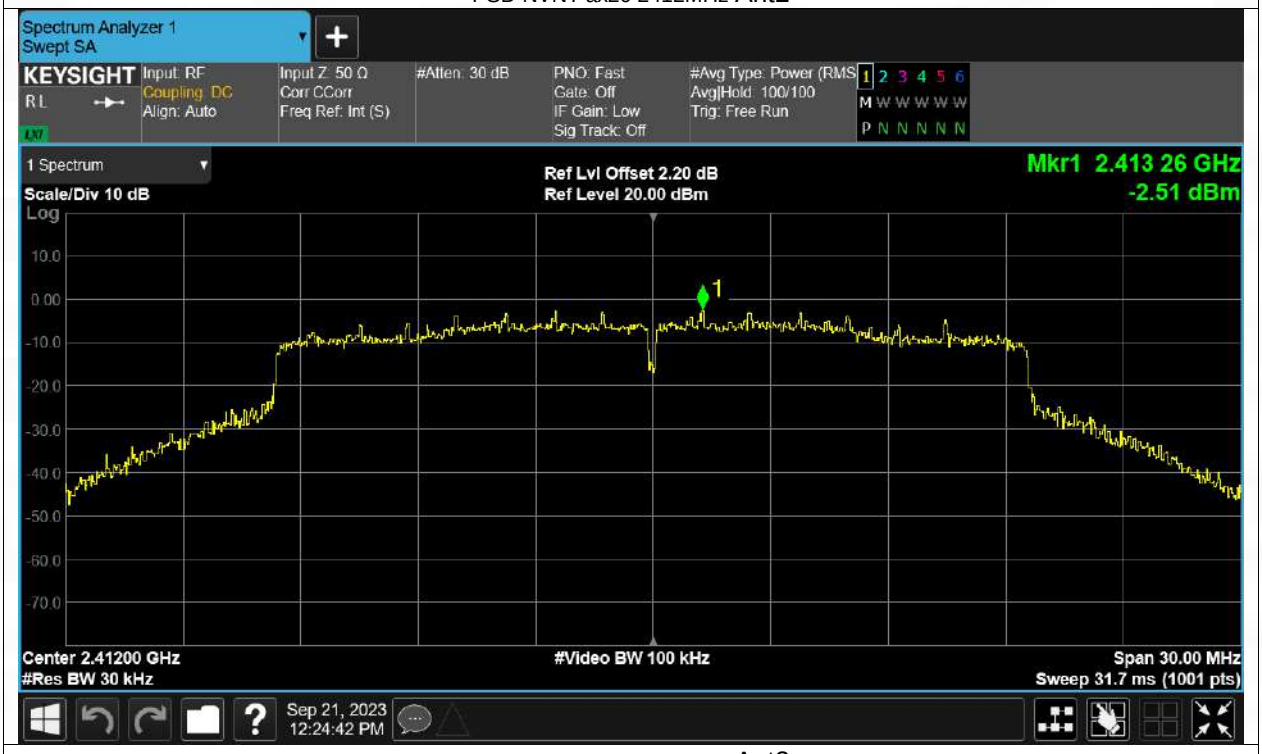
PSD NVNT ax20 2412MHz Ant2



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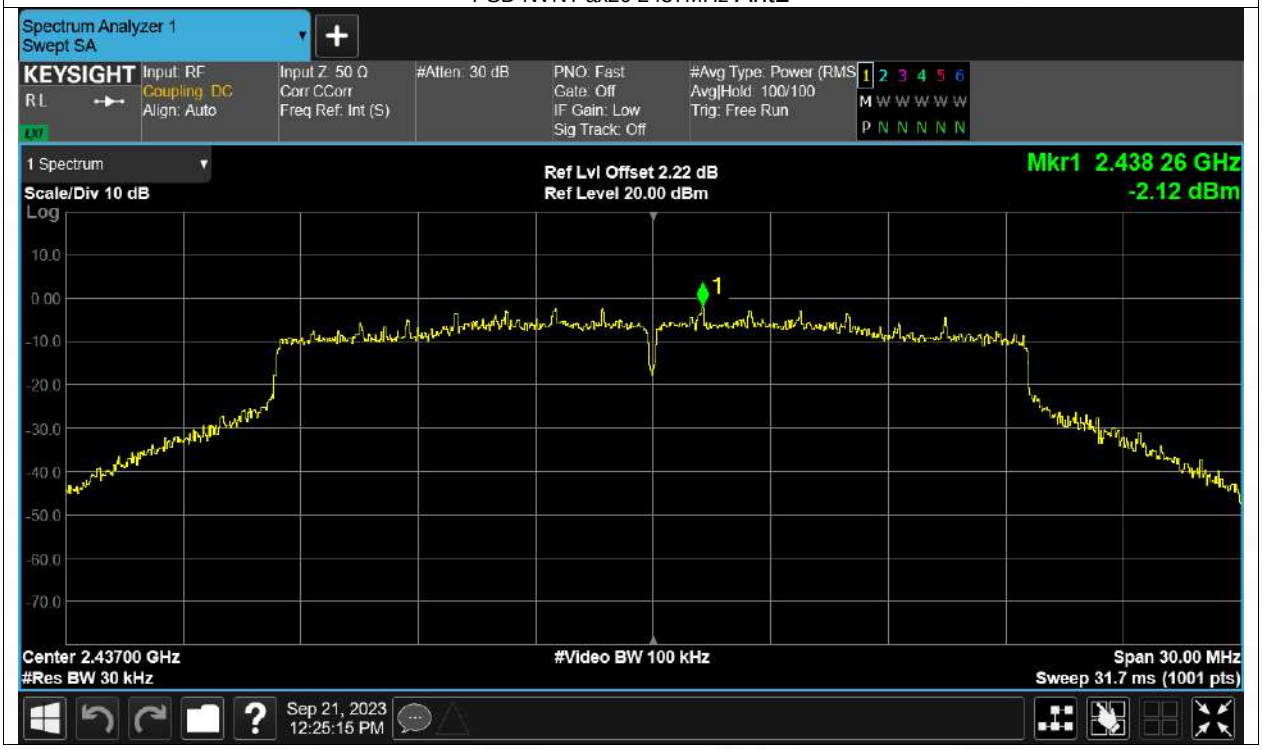

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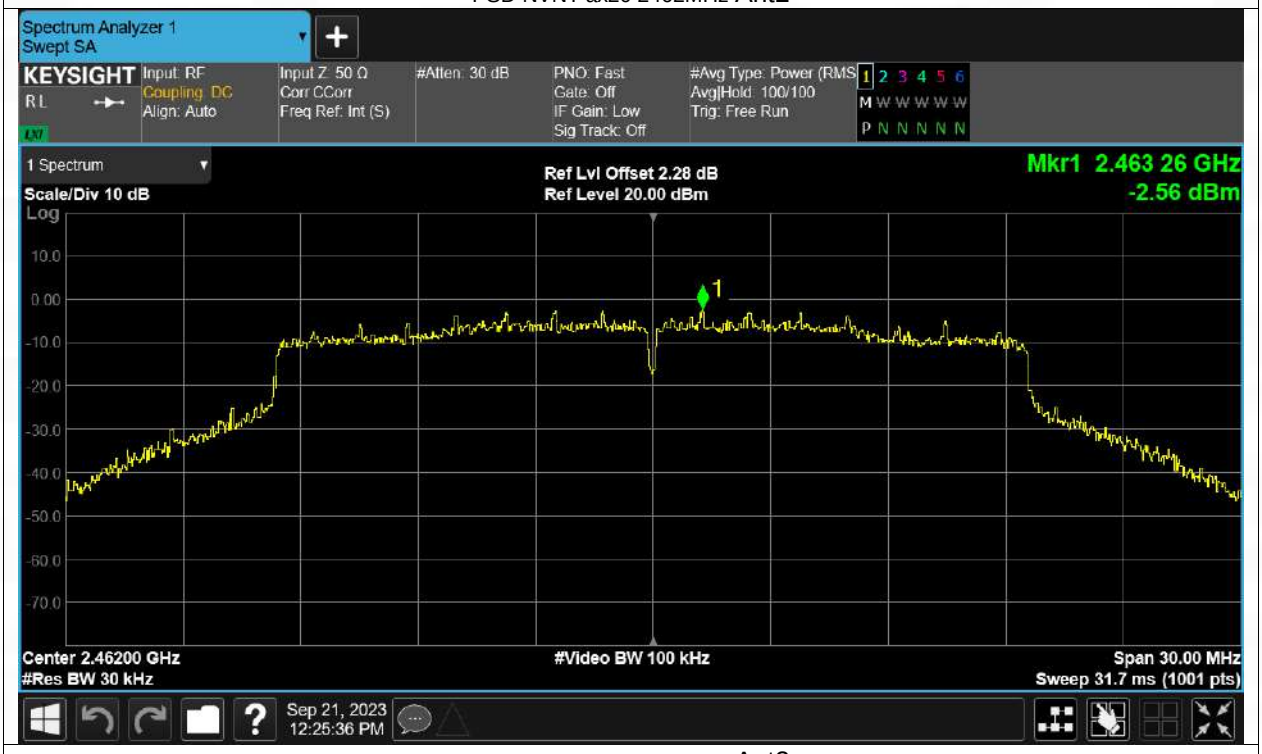
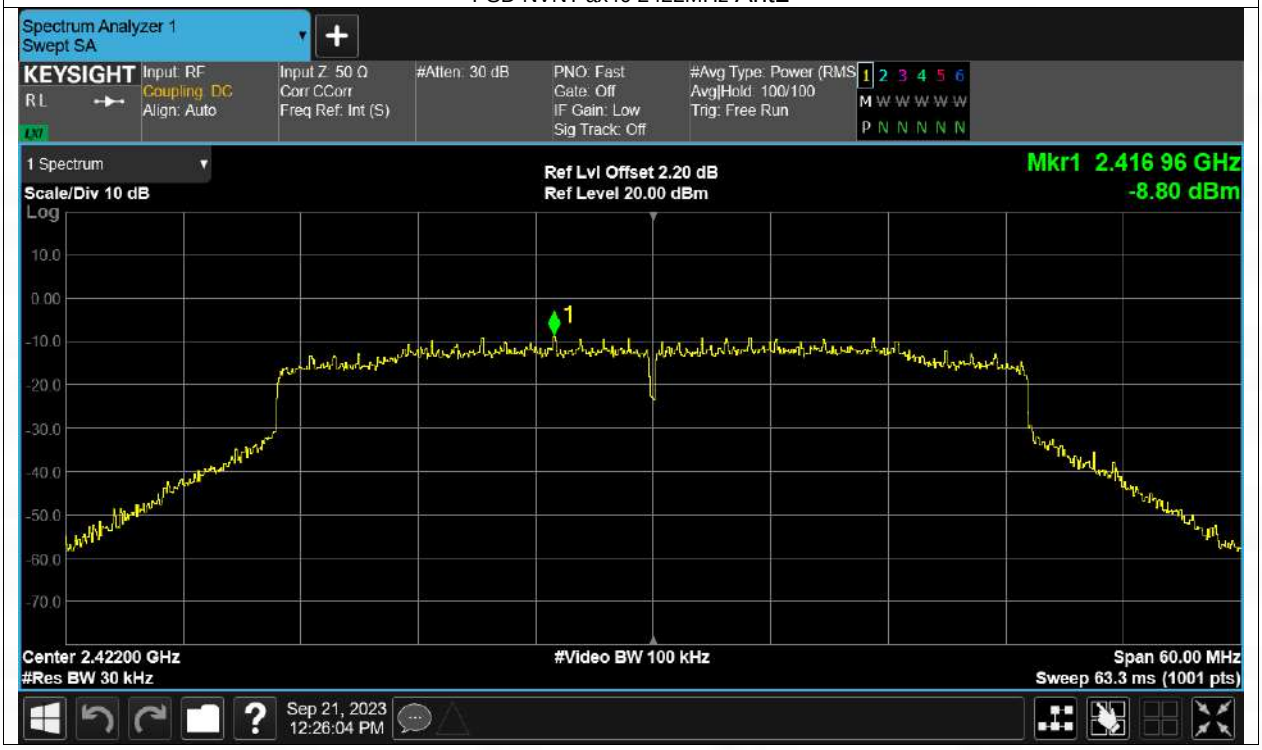
PSD NVNT ax20 2462MHz Ant2



PSD NVNT ax40 2422MHz Ant2



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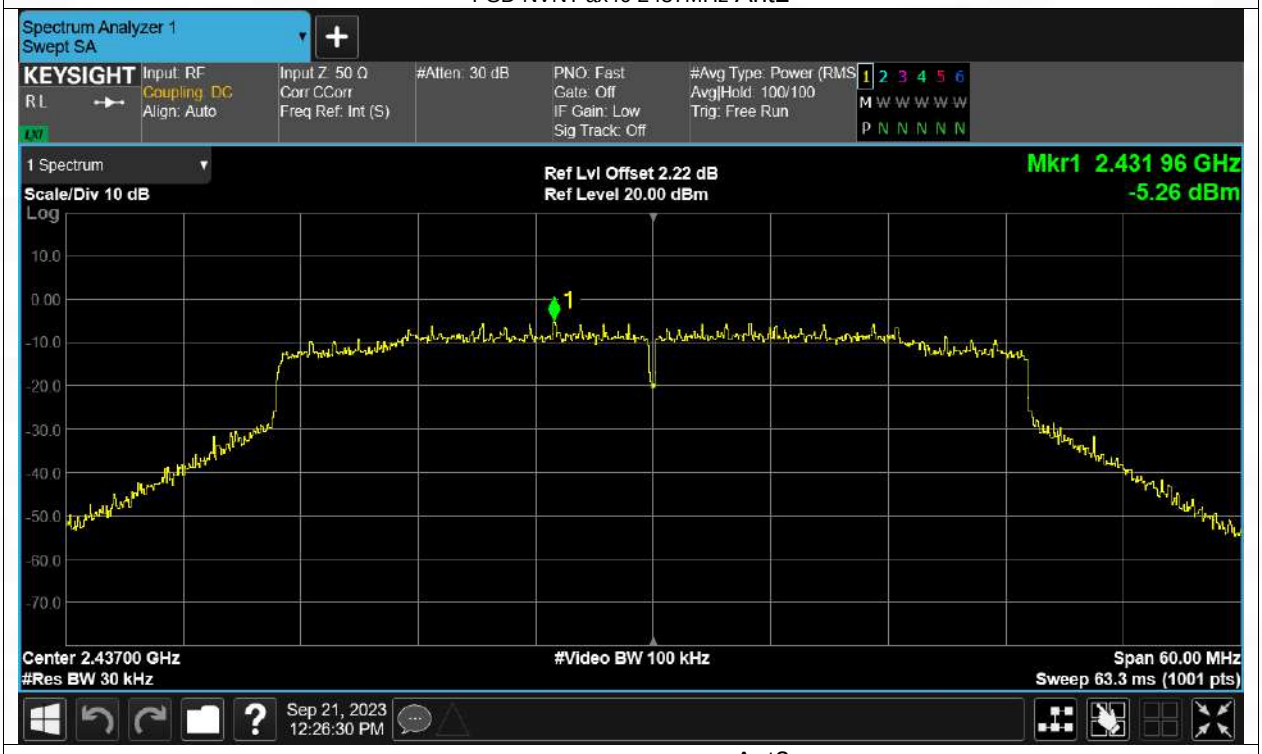
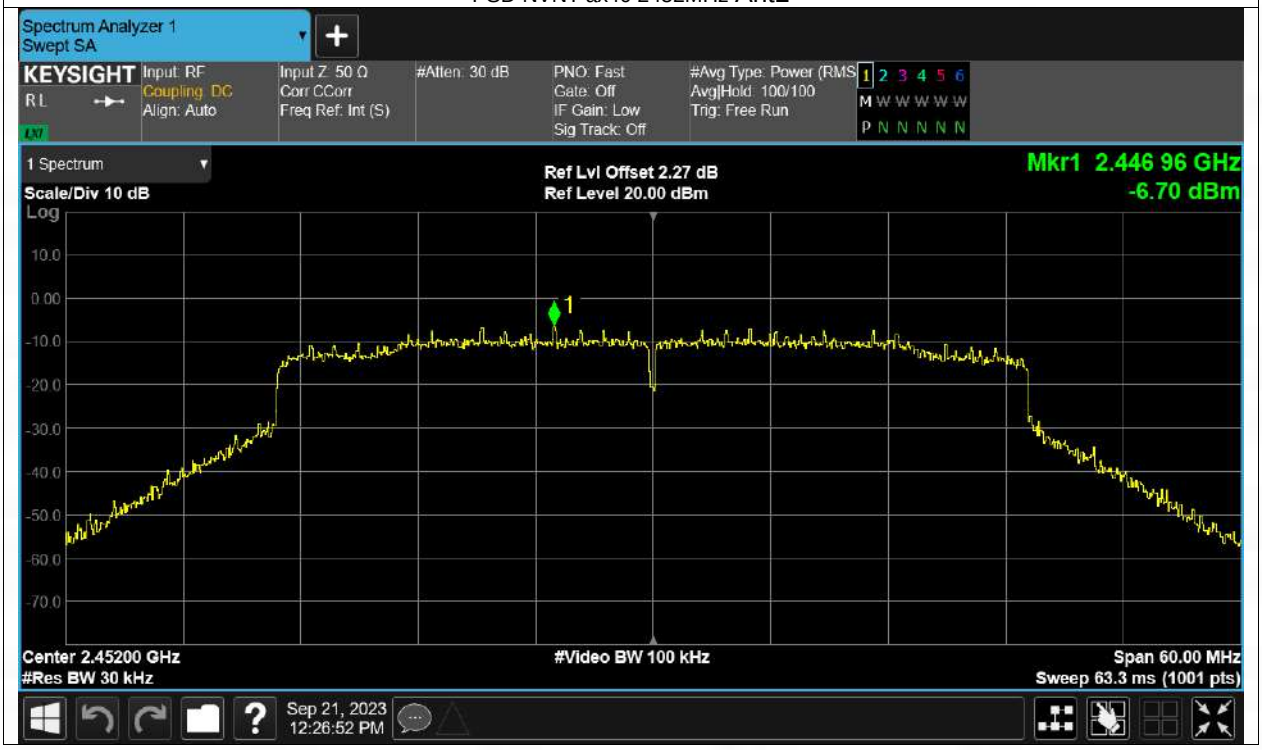
PSD NVNT ax40 2437MHz Ant2



PSD NVNT ax40 2452MHz Ant2



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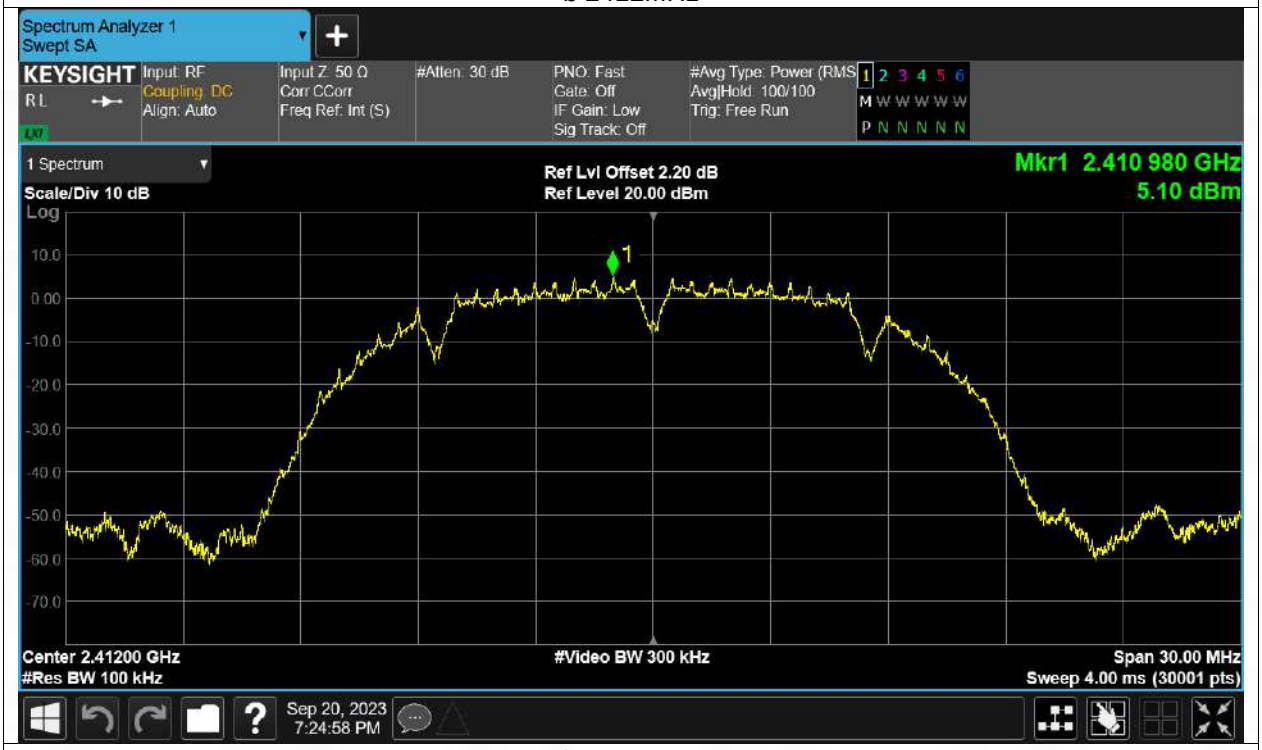
4. Unwanted Emissions In Non-restricted Frequency Bands

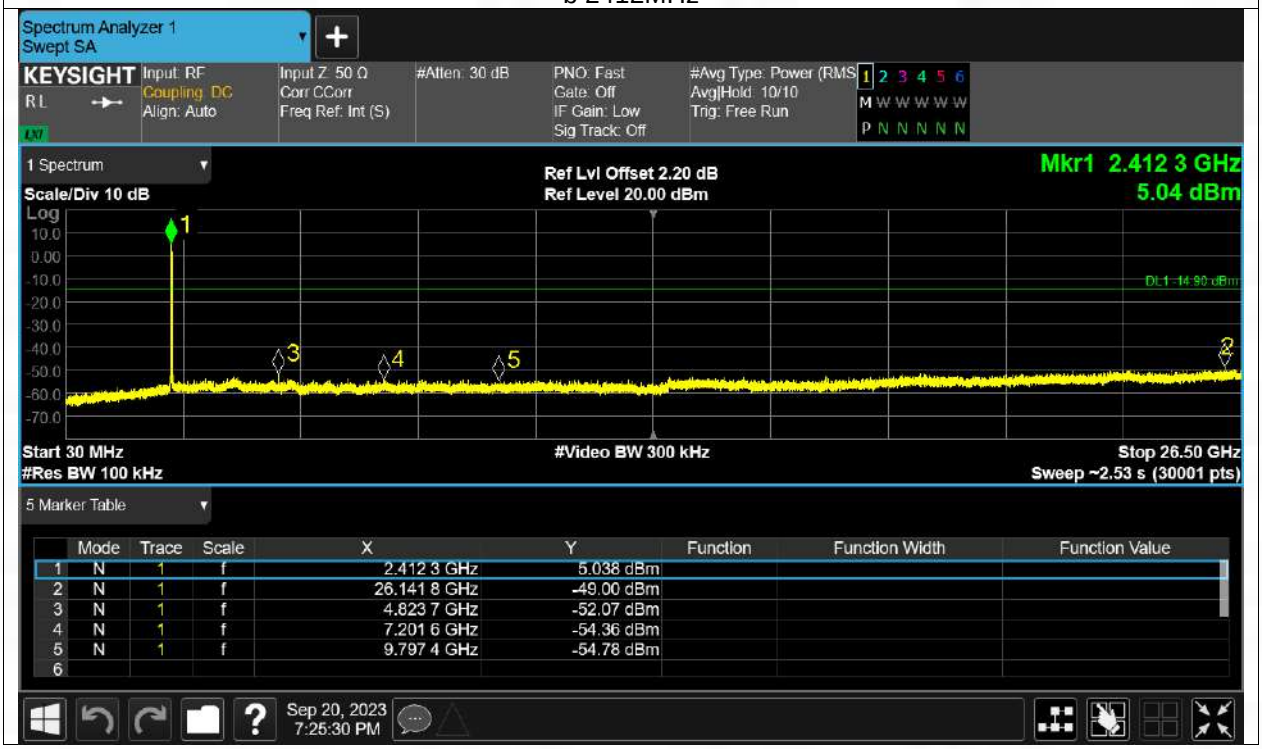
4.1 Test Result(pass)

4.2 Test Graph

Test Graphs
b 2412MHz



b 2412MHz



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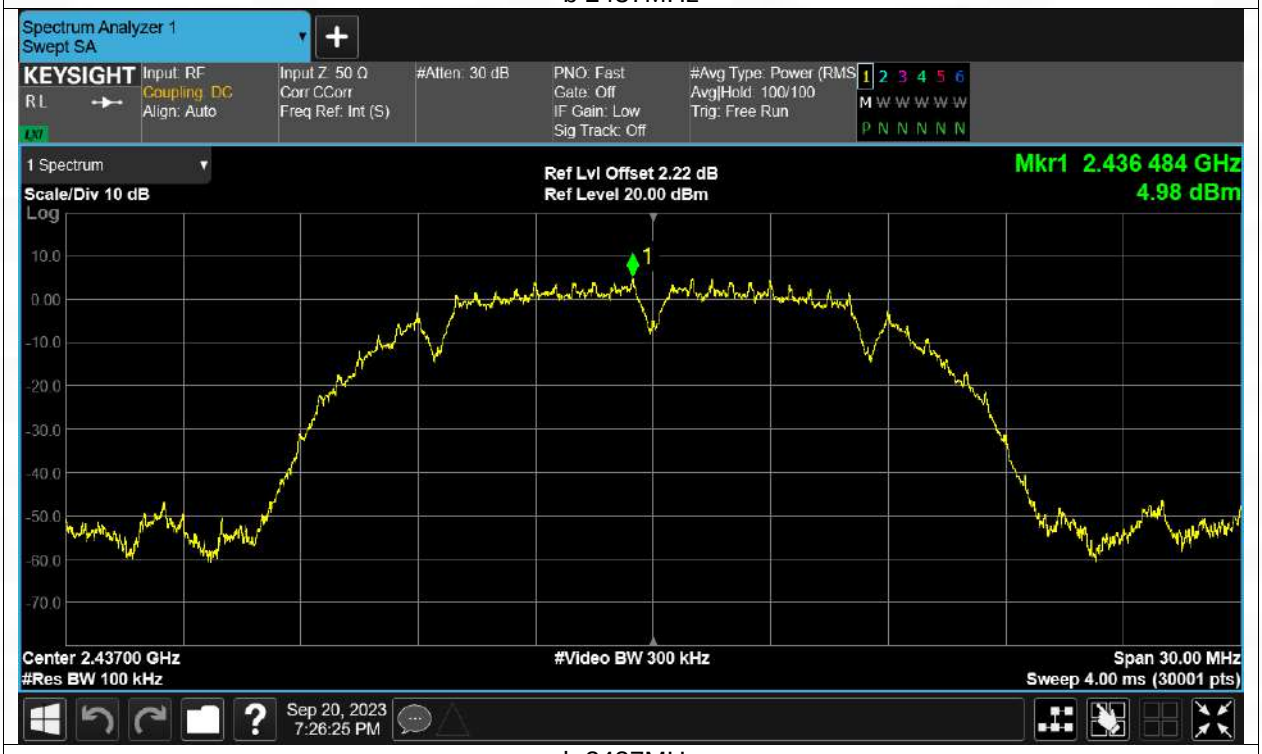
b 2437MHz



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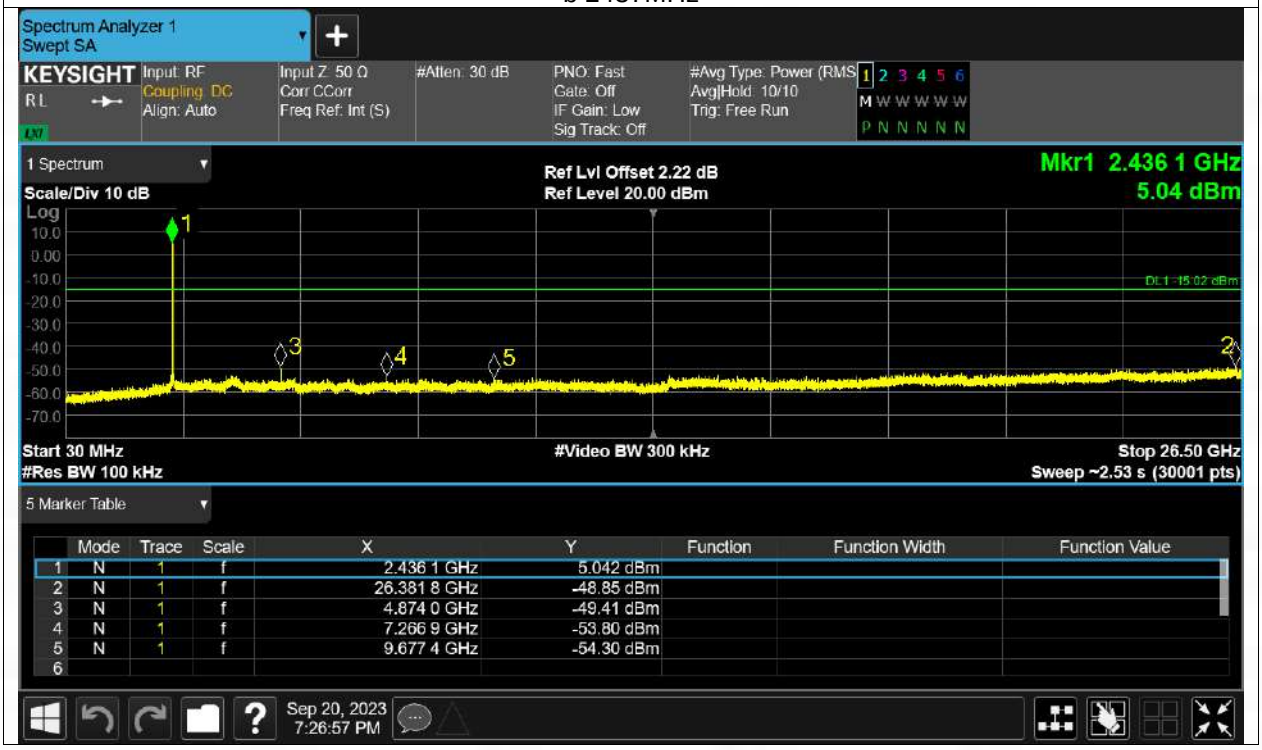

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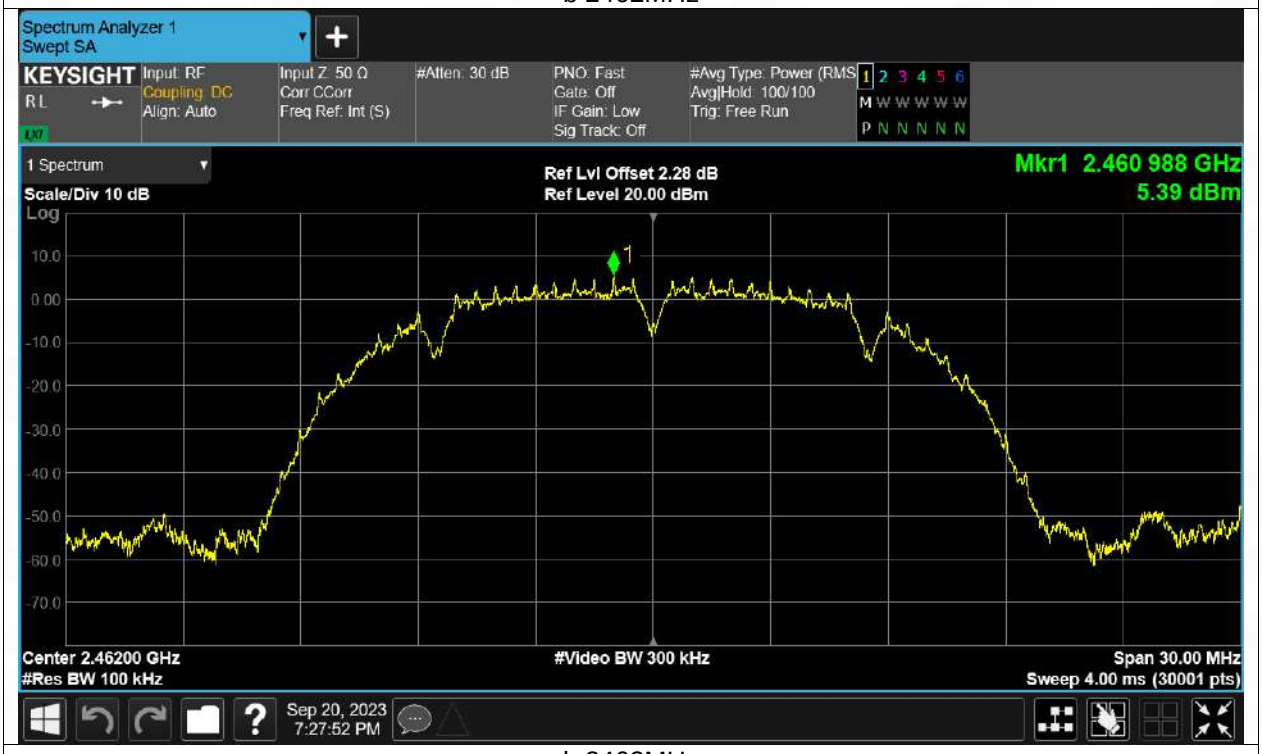
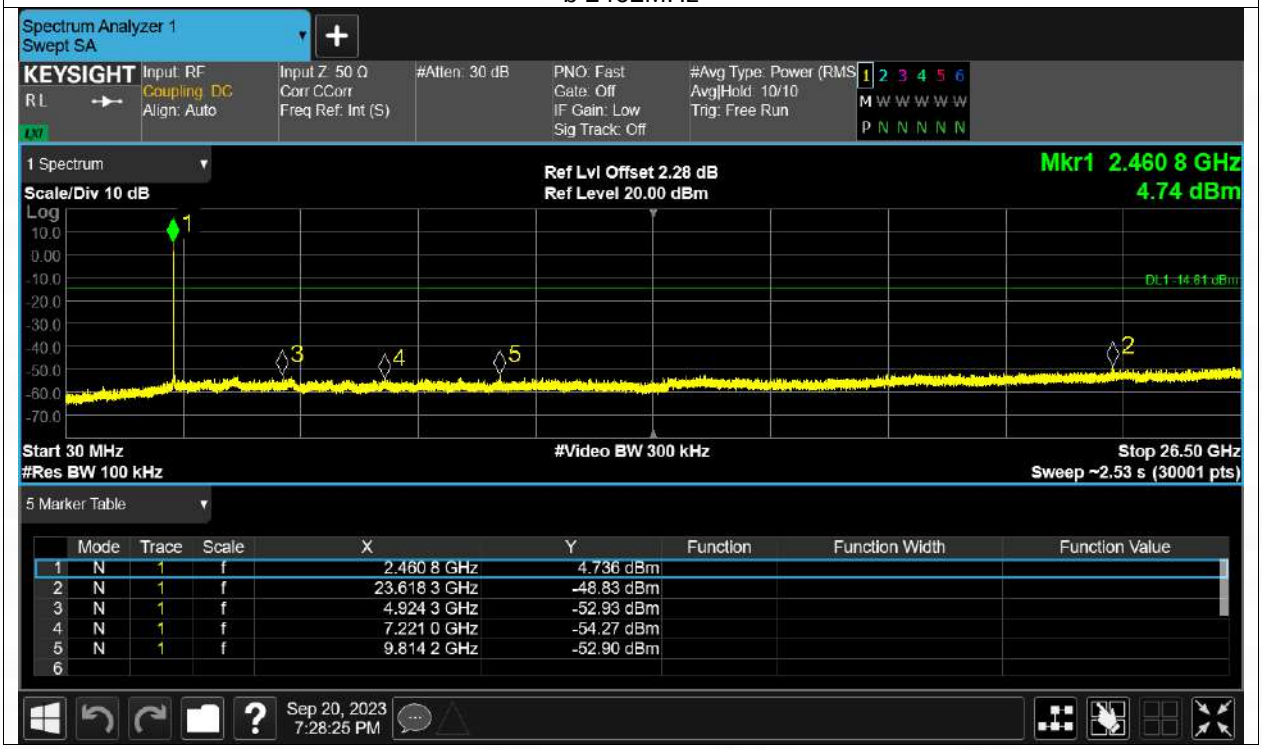
b 2462MHz



b 2462MHz



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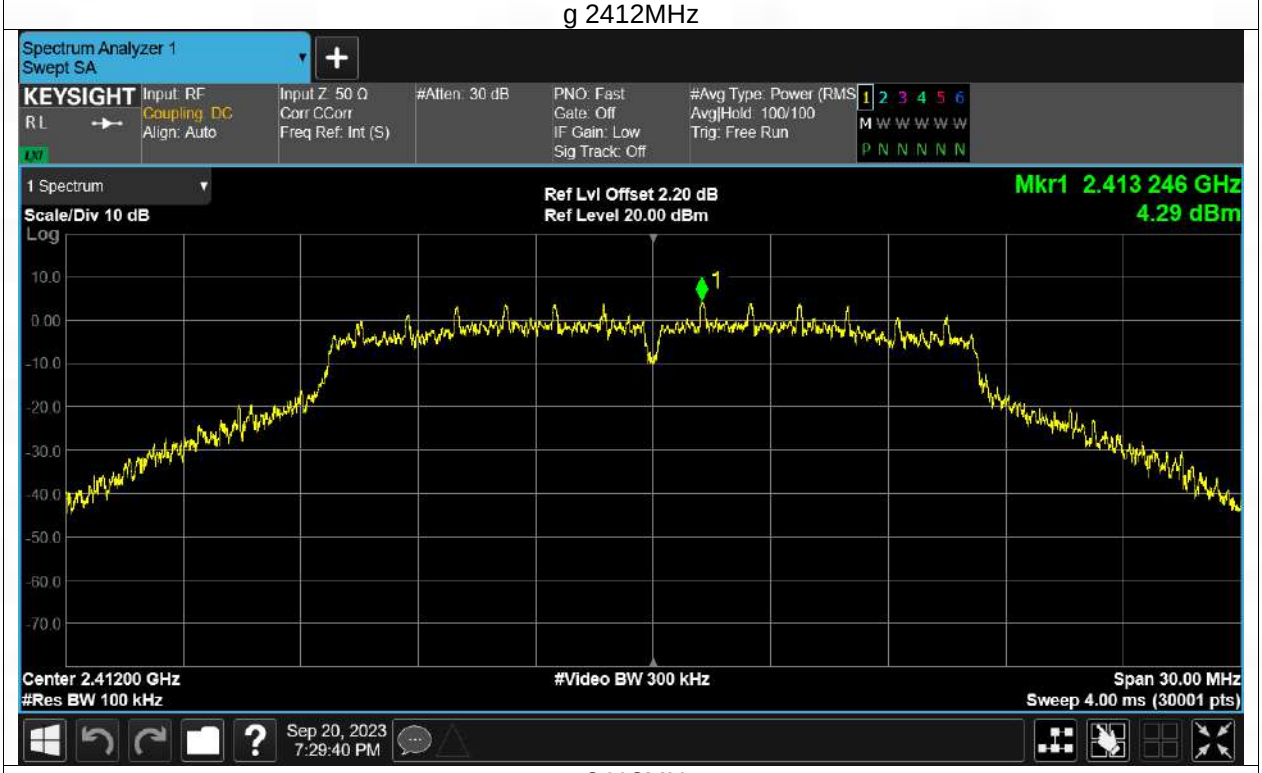
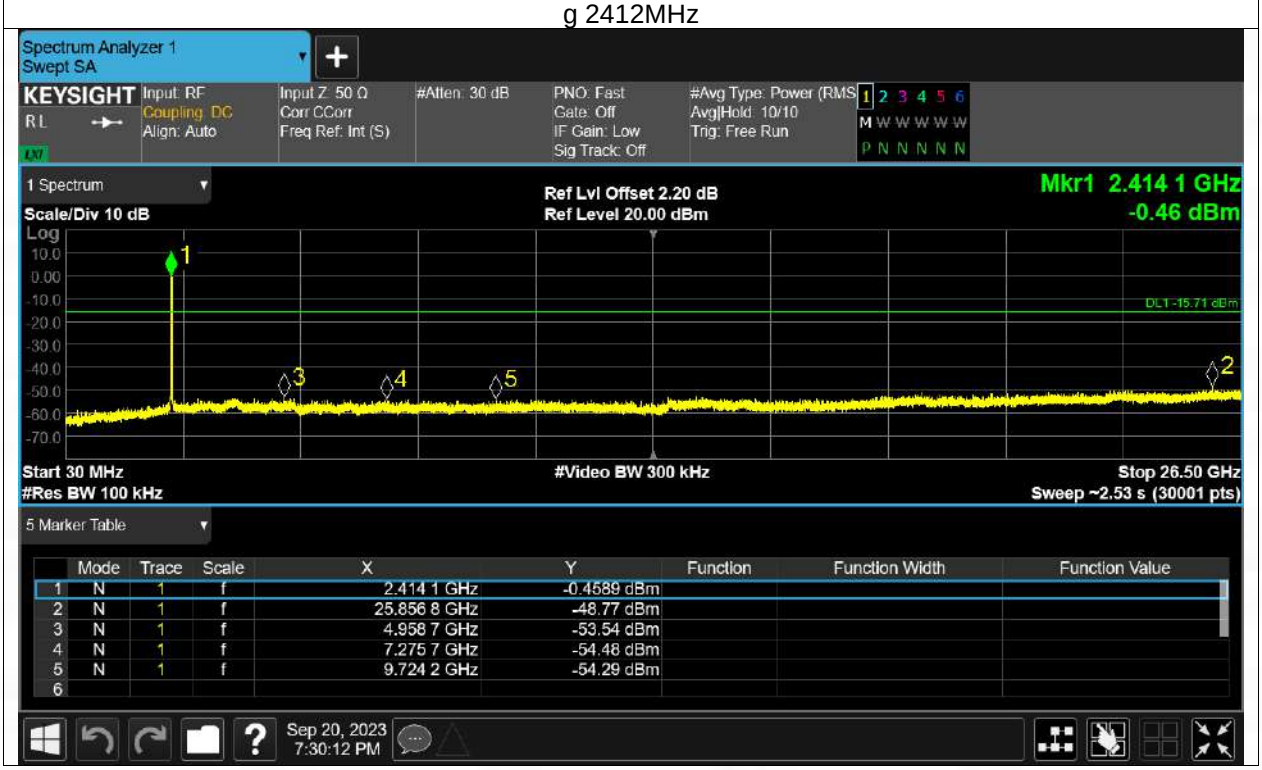
g 2412MHz



g 2412MHz



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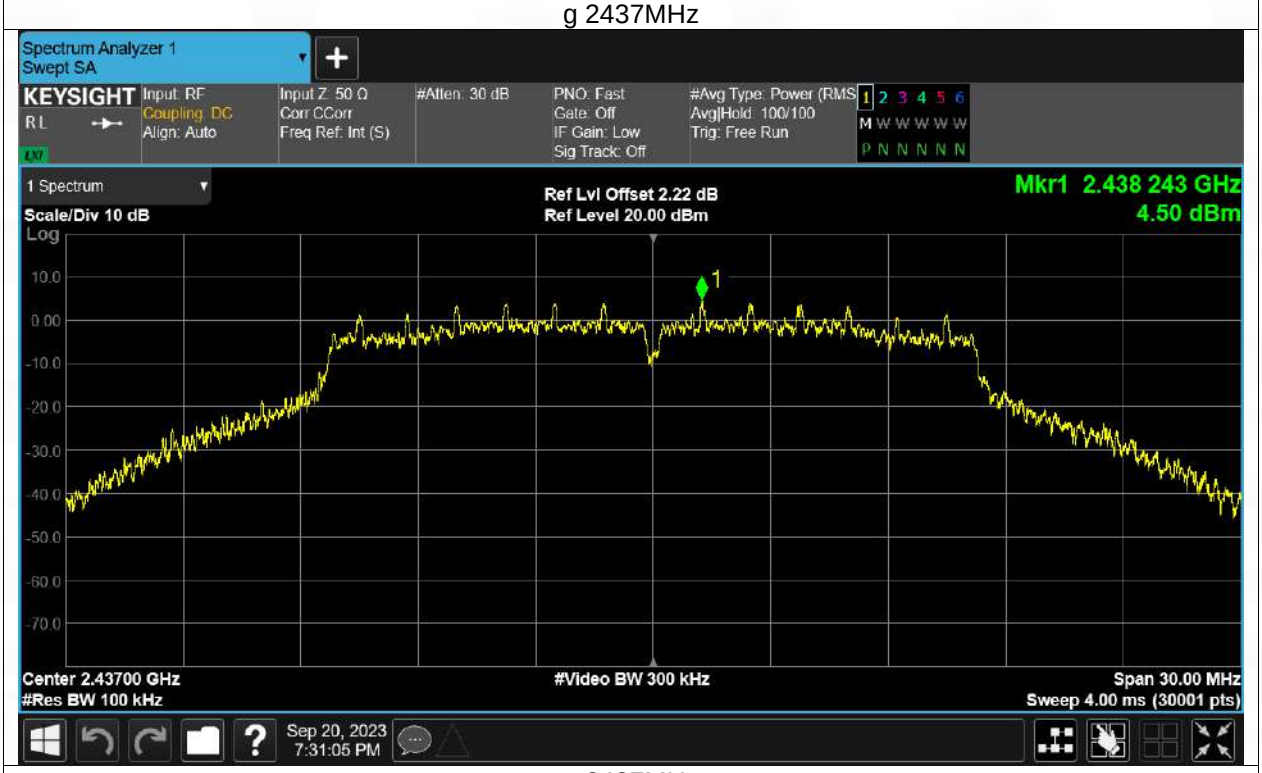
g 2437MHz



g 2437MHz

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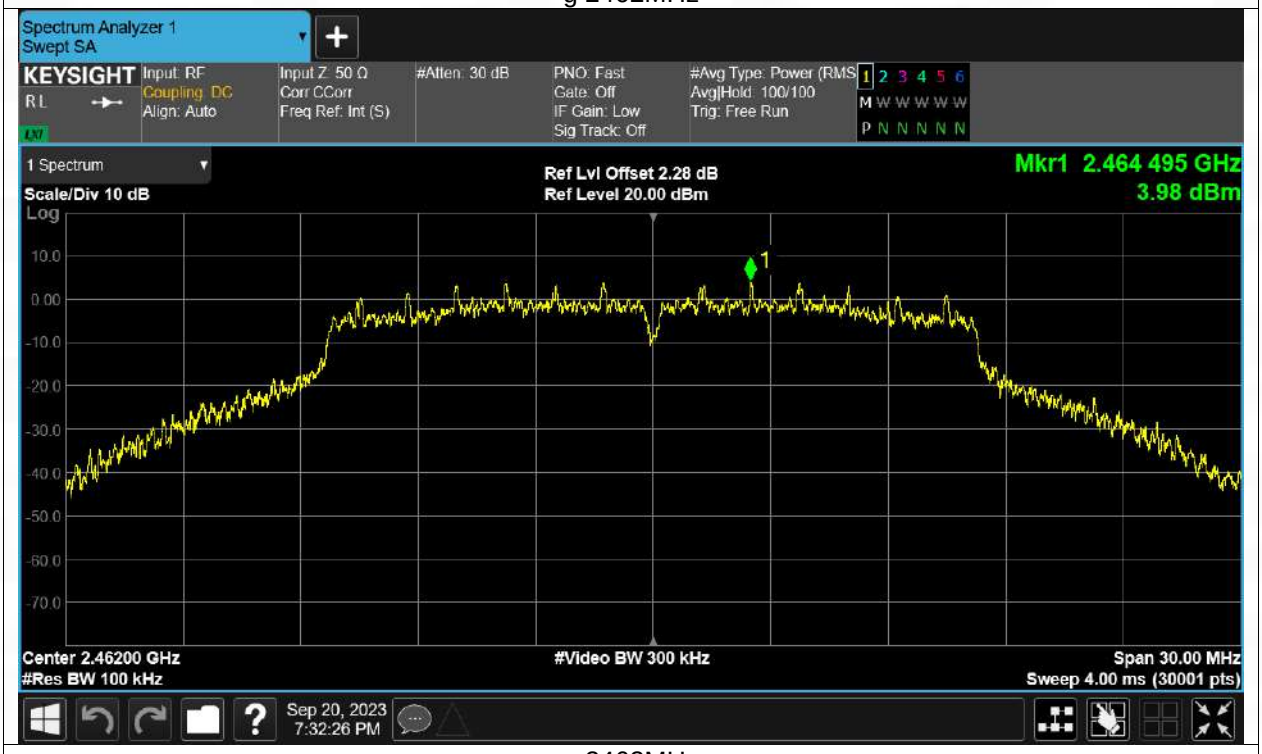
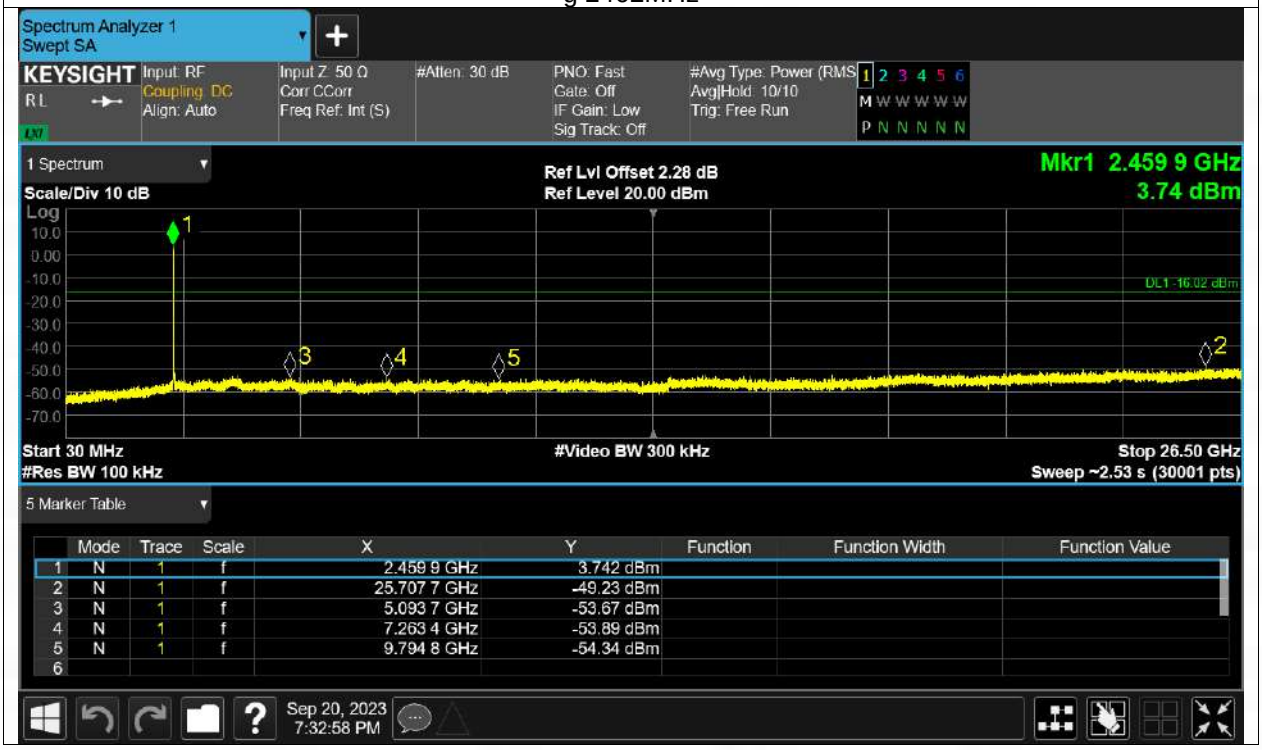
g 2462MHz



g 2462MHz



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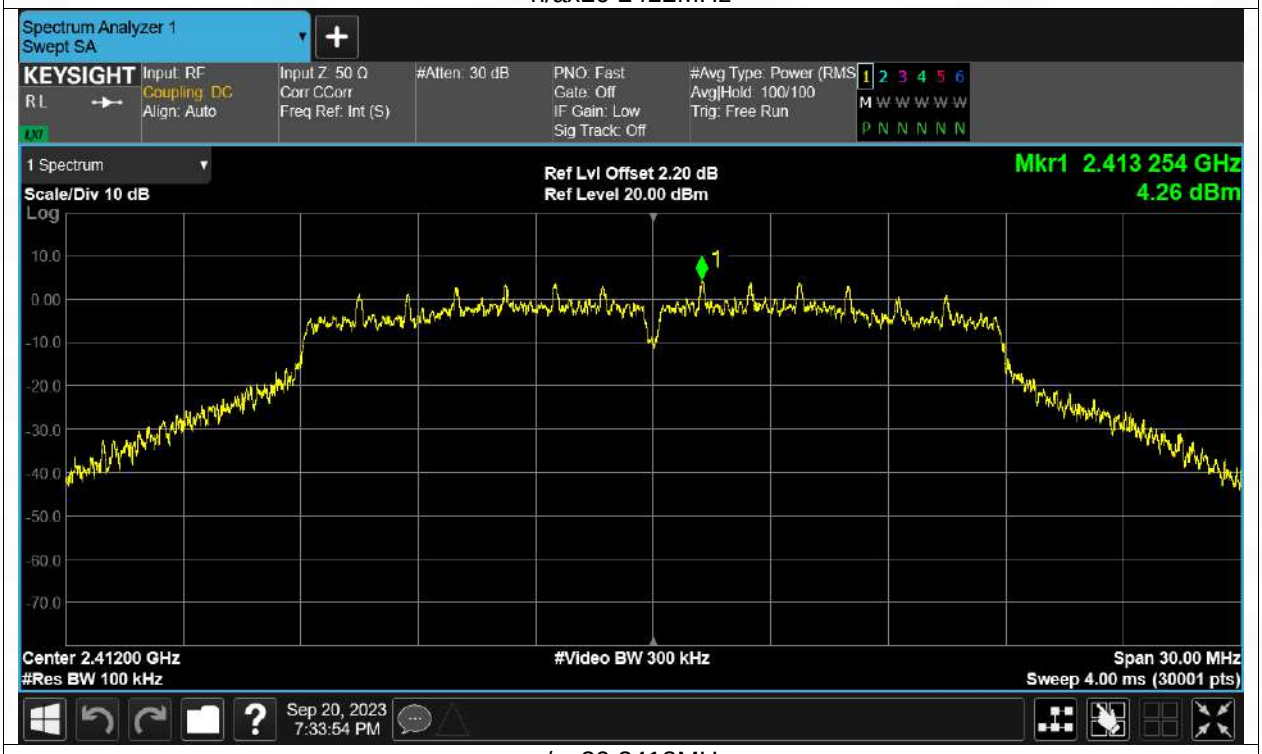
n/ax20 2412MHz



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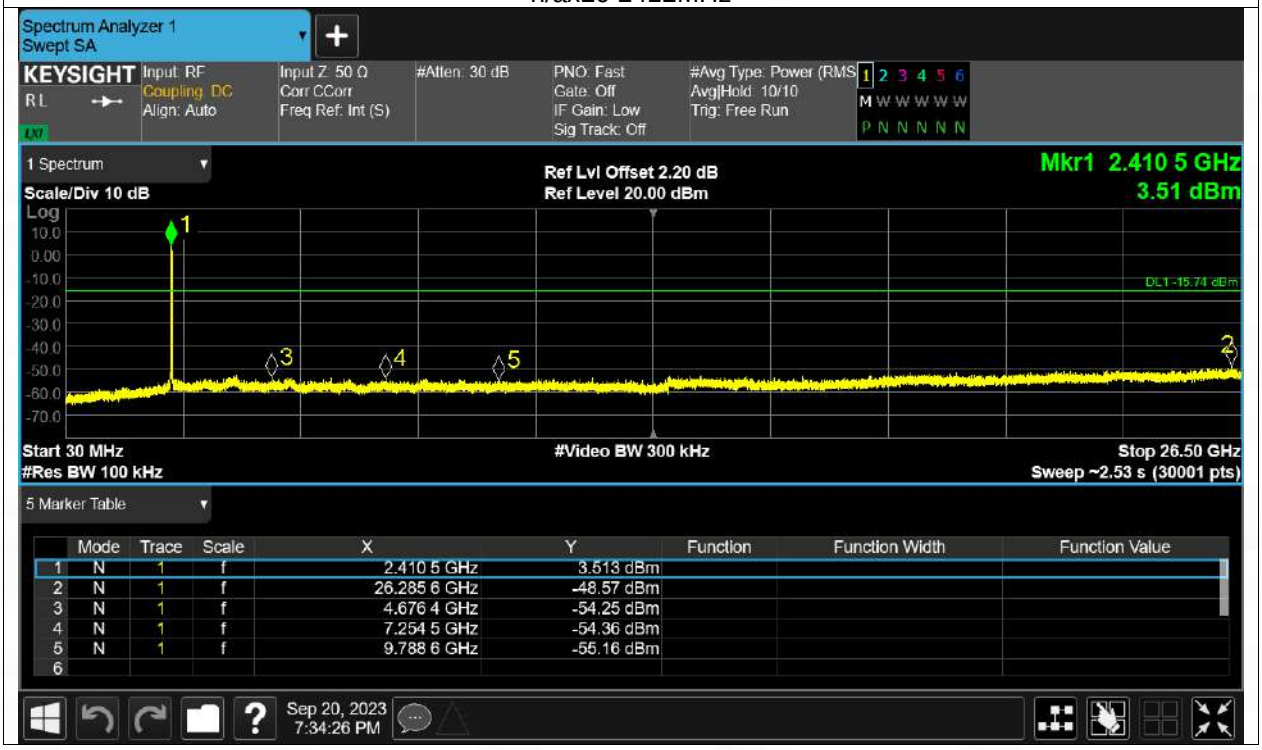

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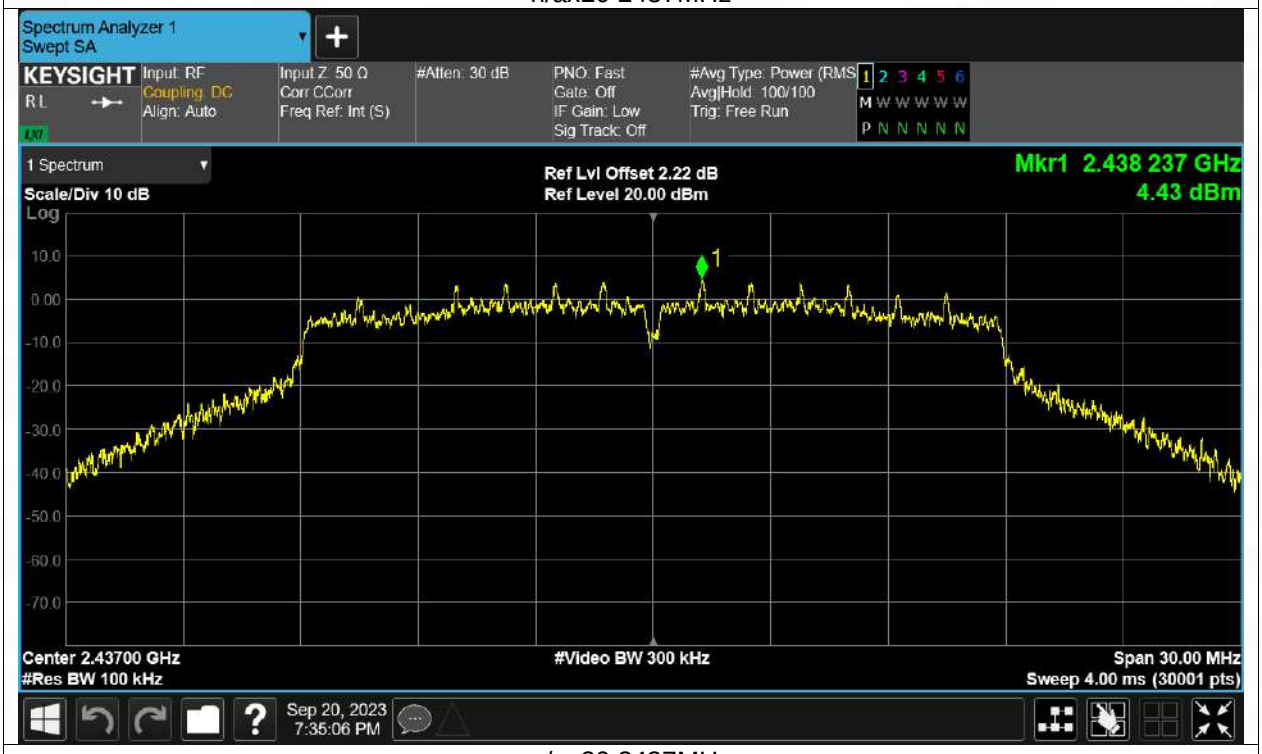
n/ax20 2437MHz



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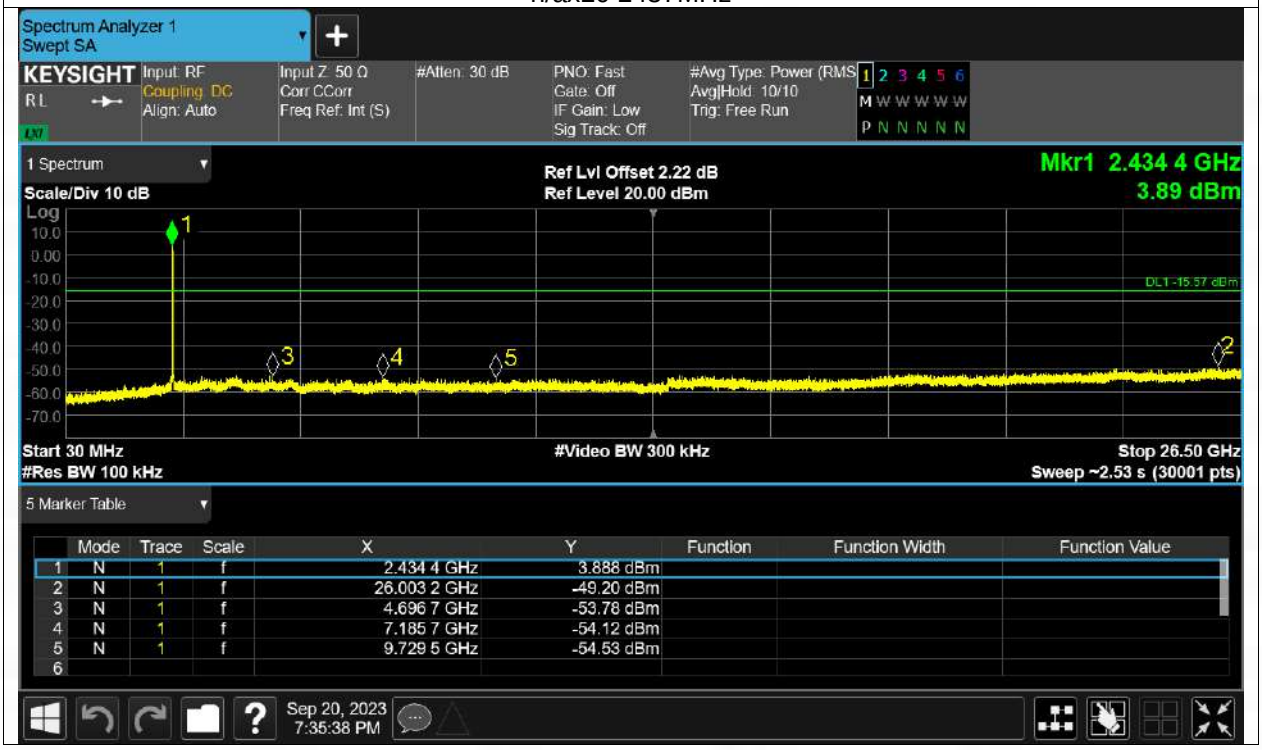

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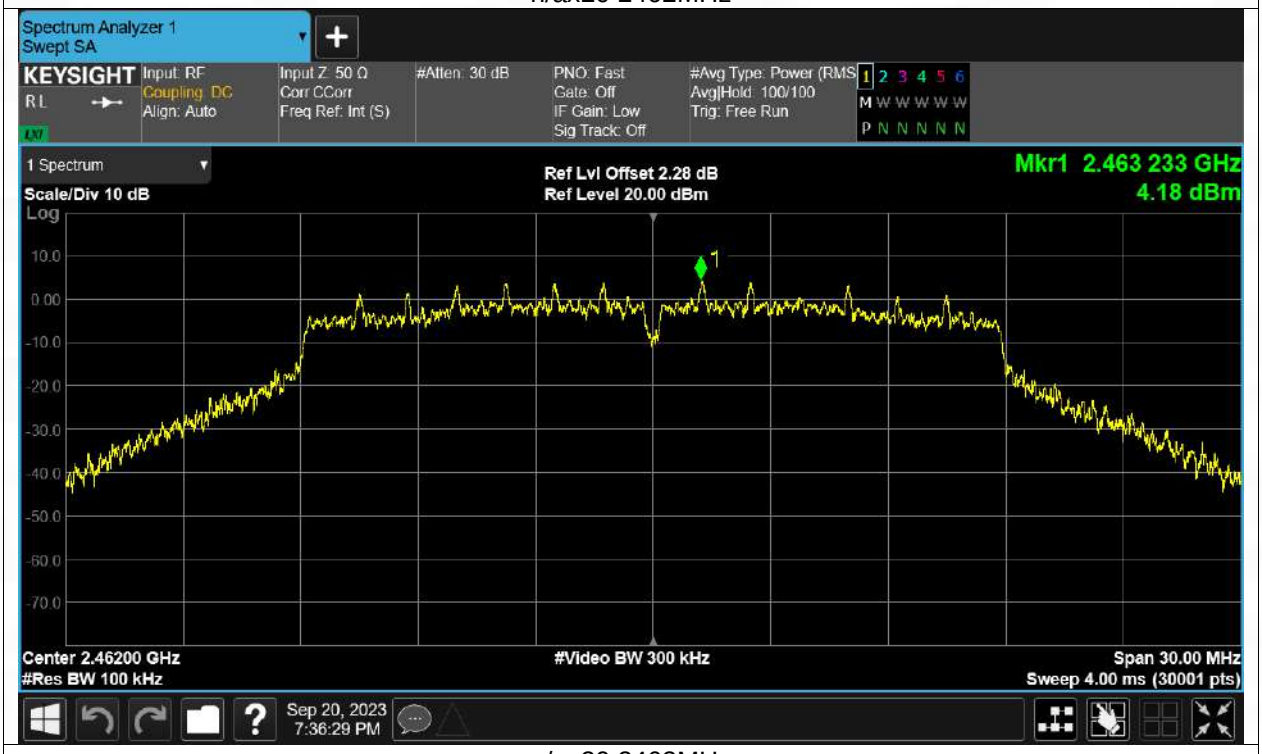
n/ax20 2462MHz



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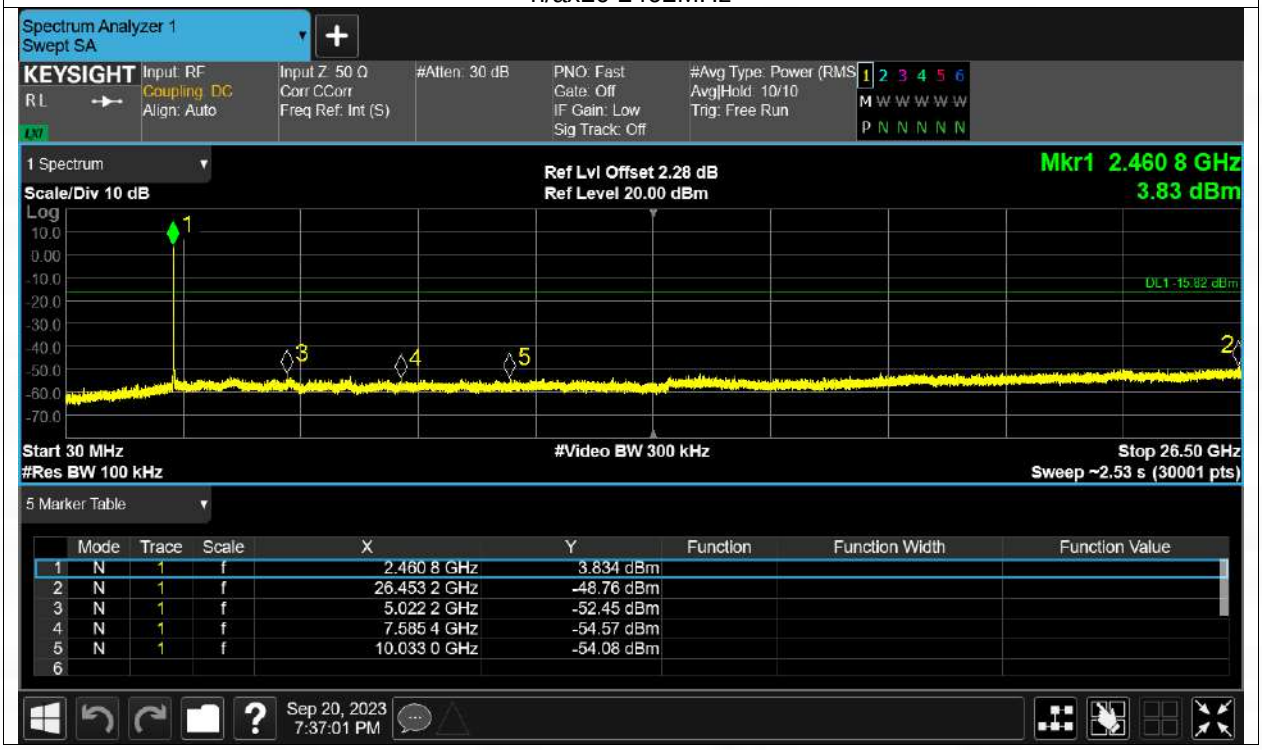

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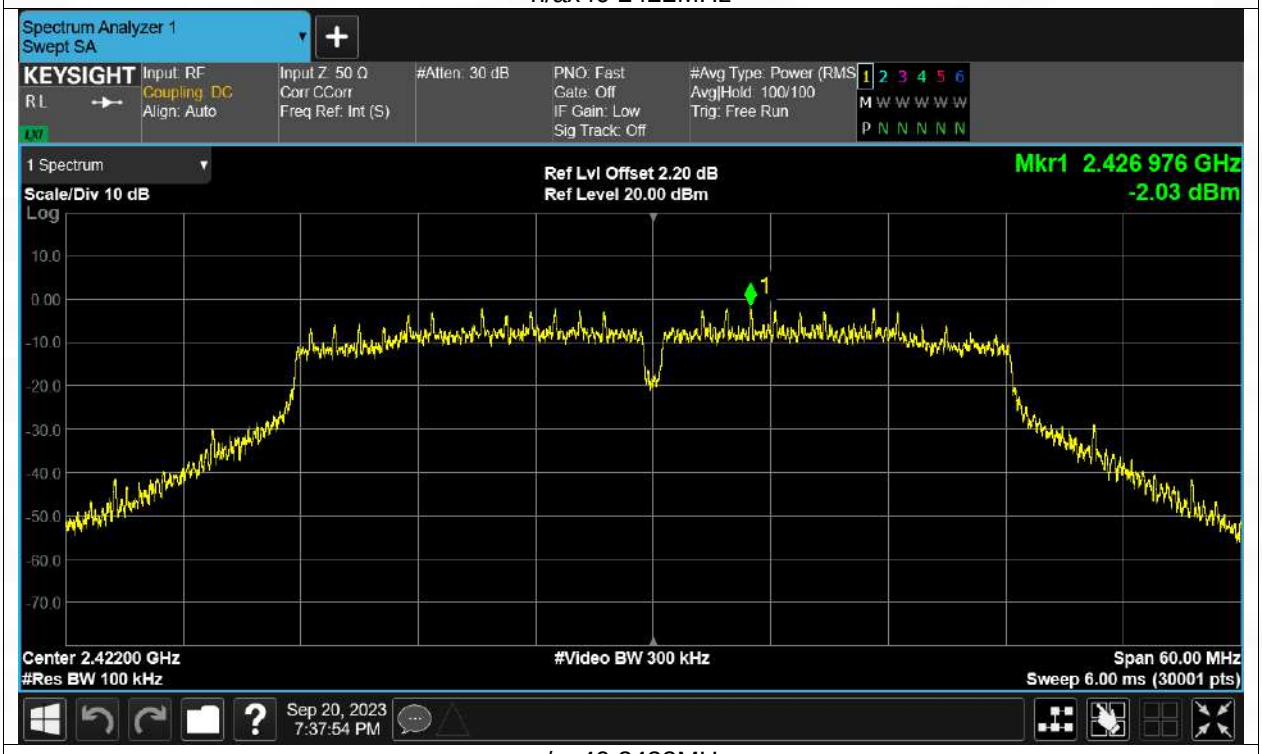
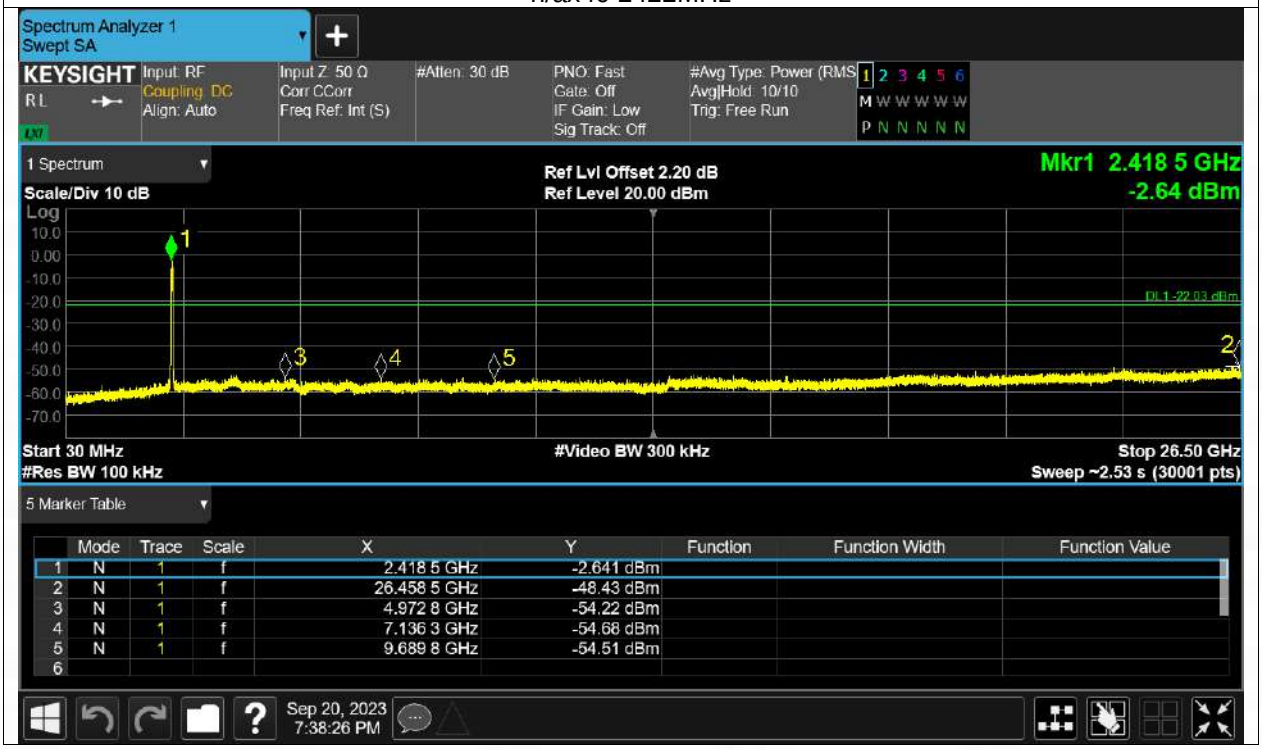
n/ax40 2422MHz



n/ax40 2422MHz



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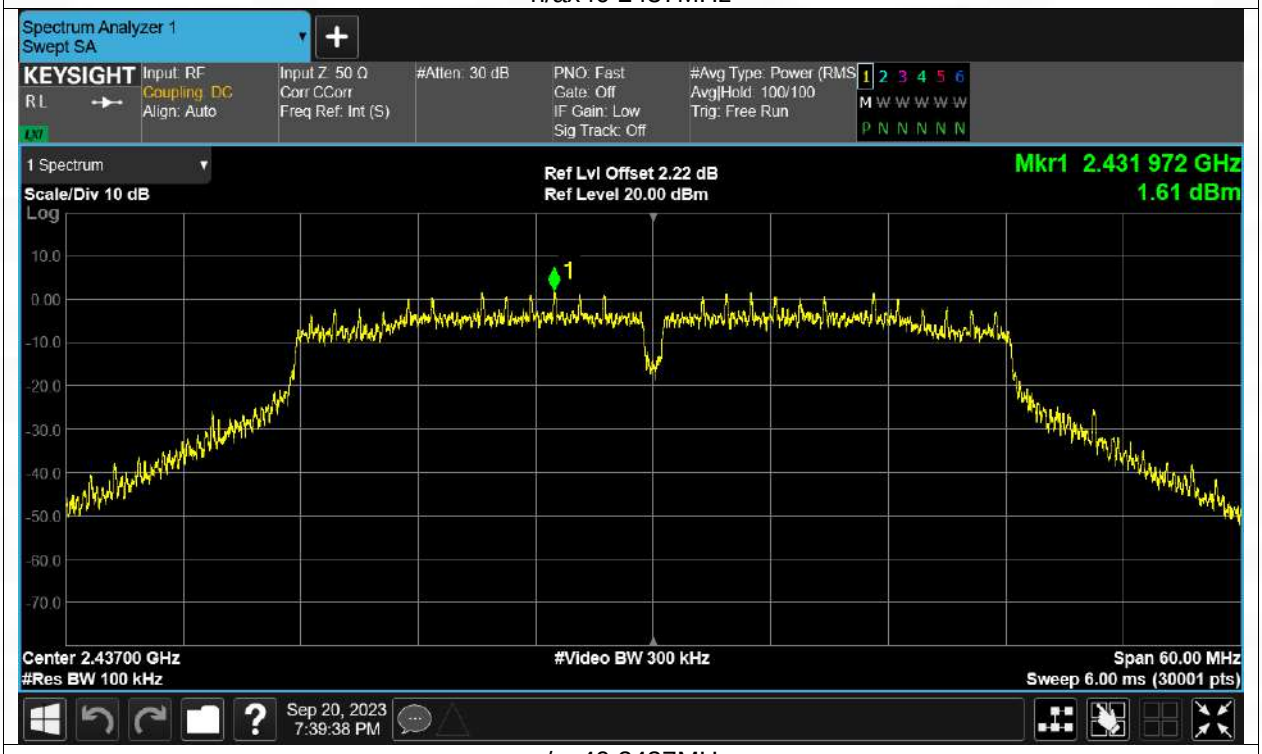
n/ax40 2437MHz



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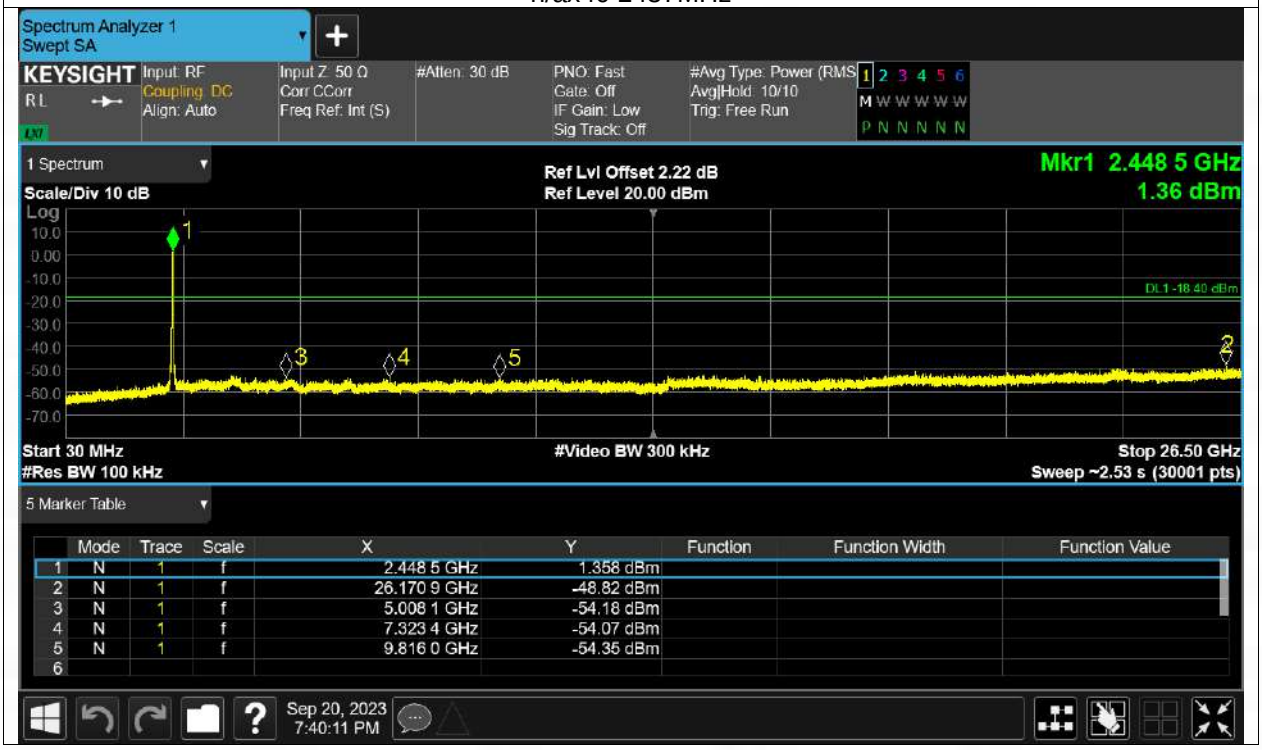

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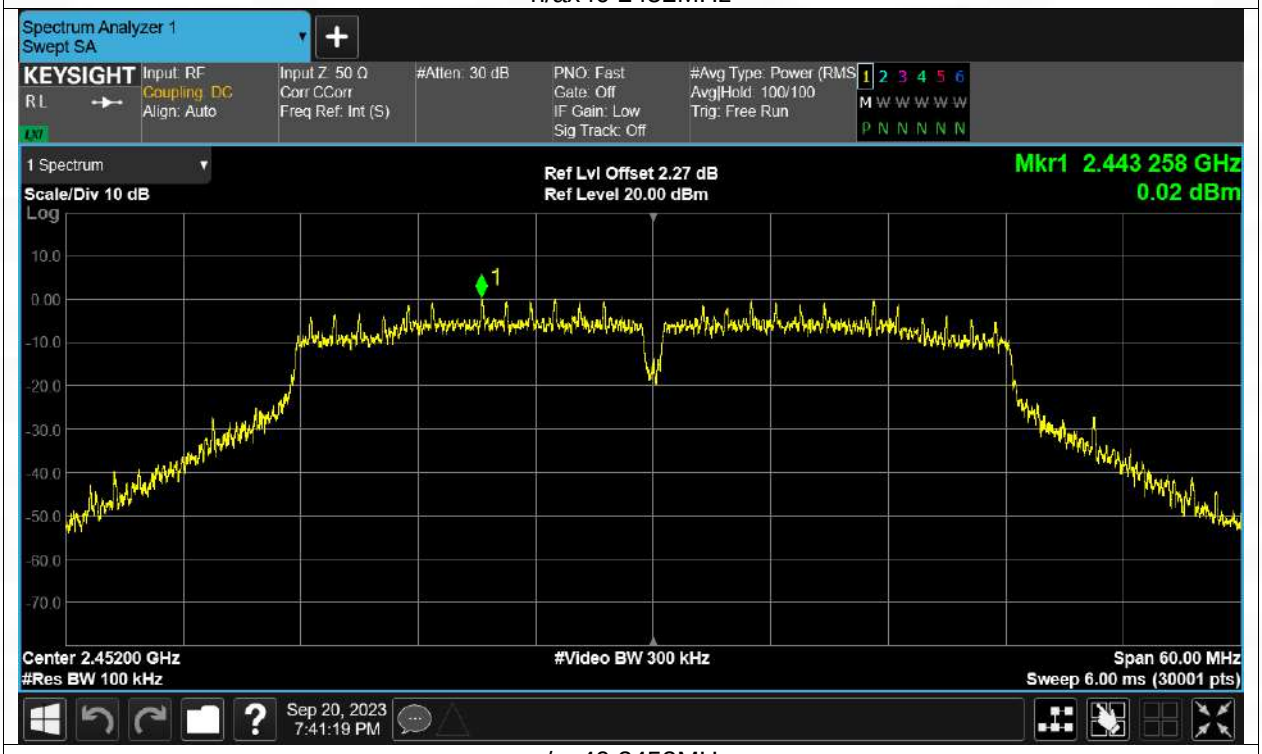
n/ax40 2452MHz



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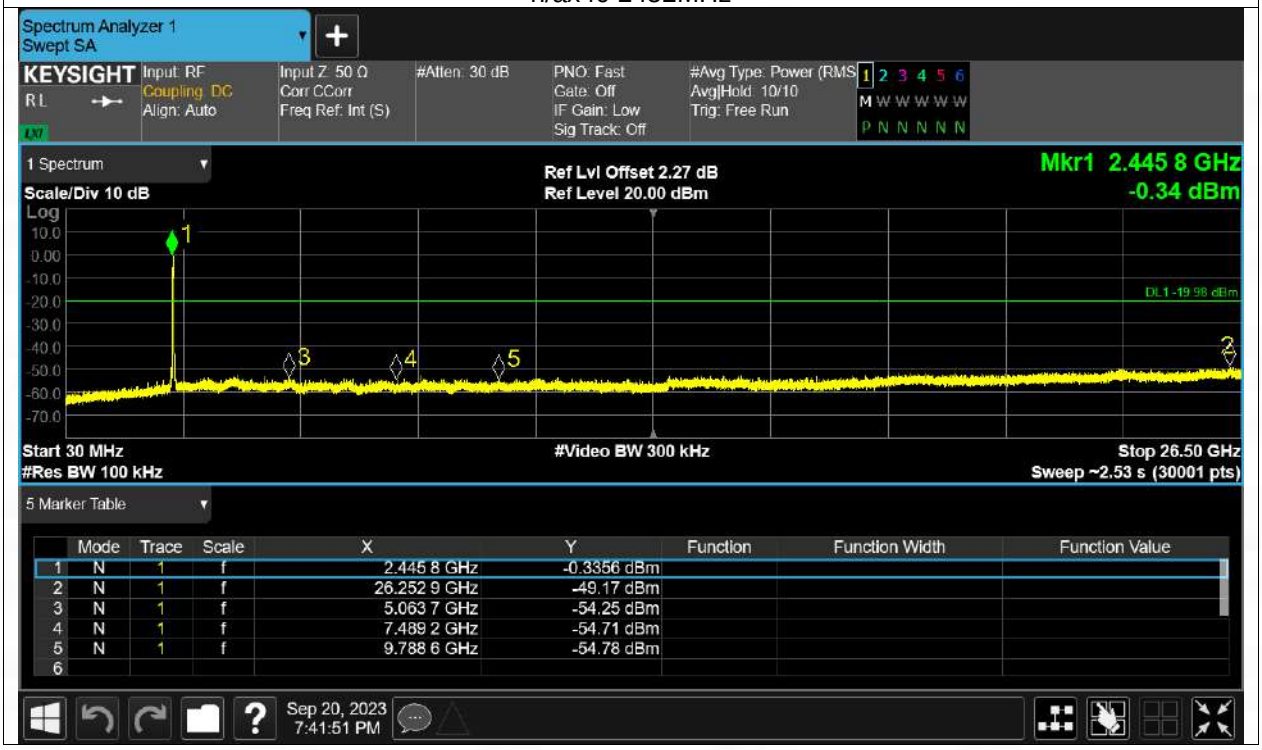

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