

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet
Test Model:	CP20 Pro
Sample ID:	202203-0192-4-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	ZKN Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202203-0192-62 The report only show the worst case data.	

Contents

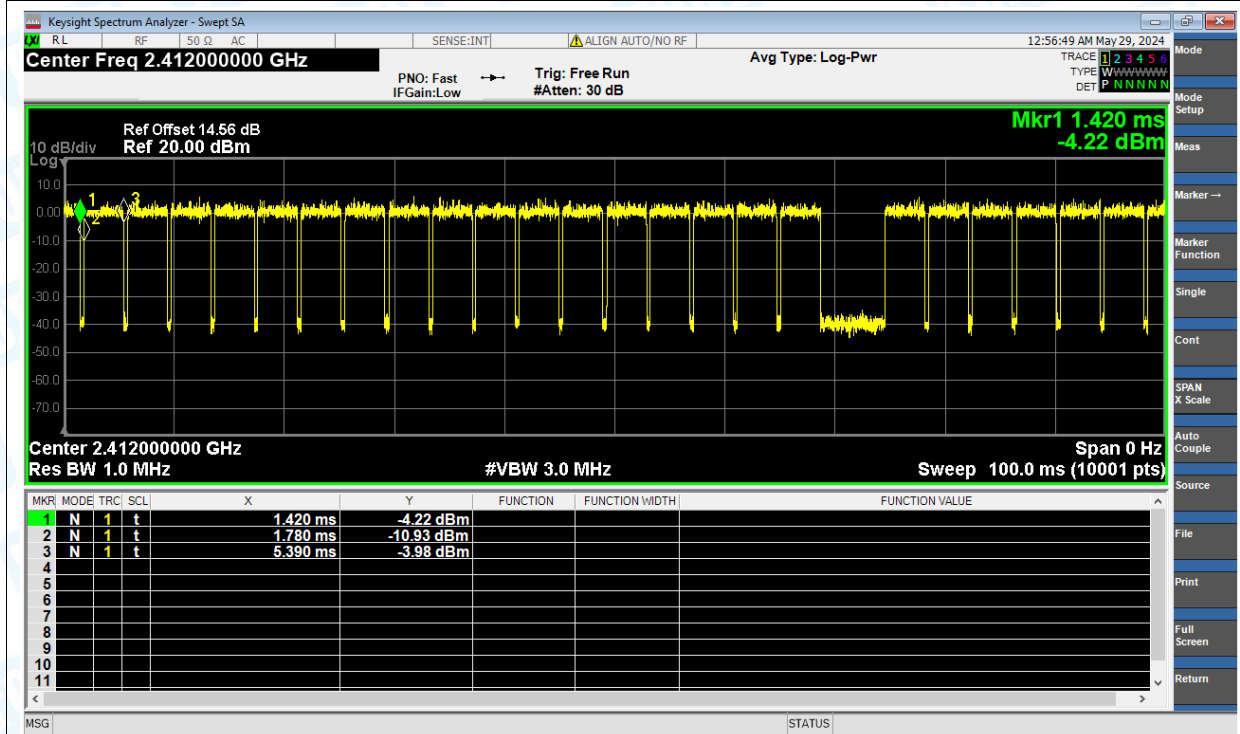
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1. Duty Cycle

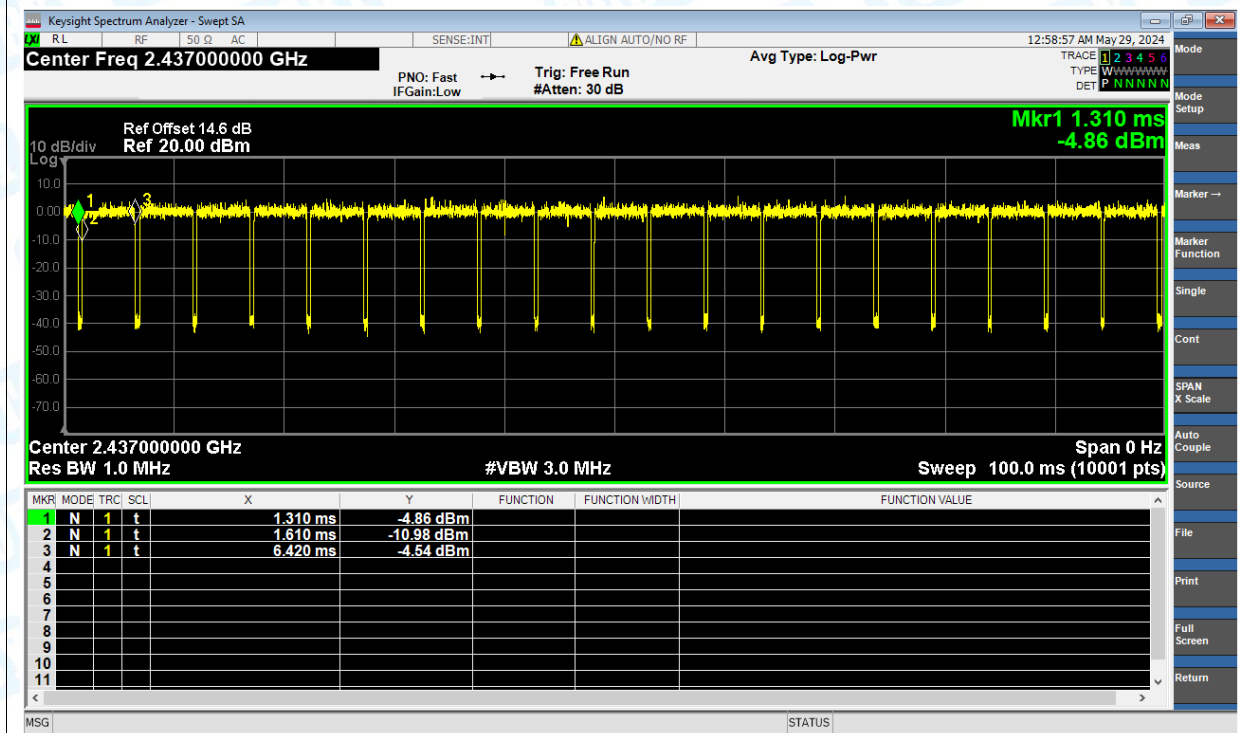
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax(VHT20)	2412	Ant1	90.93	0.41	0.28
NVNT	ax(VHT20)	2437	Ant1	94.13	0.26	0.21
NVNT	ax(VHT20)	2462	Ant1	90.05	0.46	0.28
NVNT	ax(VHT40)	2422	Ant1	94.89	0.23	0.19
NVNT	ax(VHT40)	2437	Ant1	93.56	0.29	0.24
NVNT	ax(VHT40)	2452	Ant1	91.72	0.38	0.24
NVNT	b	2412	Ant1	98.14	0.08	0.07
NVNT	b	2437	Ant1	98.33	0.07	0.07
NVNT	b	2462	Ant1	98.78	0.05	0.07
NVNT	g	2412	Ant1	93.08	0.31	0.2
NVNT	g	2437	Ant1	94.27	0.26	0.2
NVNT	g	2462	Ant1	93.93	0.27	0.2
NVNT	n(HT20)	2412	Ant1	93.85	0.28	0.21
NVNT	n(HT20)	2437	Ant1	92.2	0.35	0.21
NVNT	n(HT20)	2462	Ant1	93.29	0.3	0.21
NVNT	n(HT40)	2422	Ant1	89.44	0.48	0.33
NVNT	n(HT40)	2437	Ant1	91.75	0.37	0.22
NVNT	n(HT40)	2452	Ant1	91.92	0.37	0.22

Test Graphs

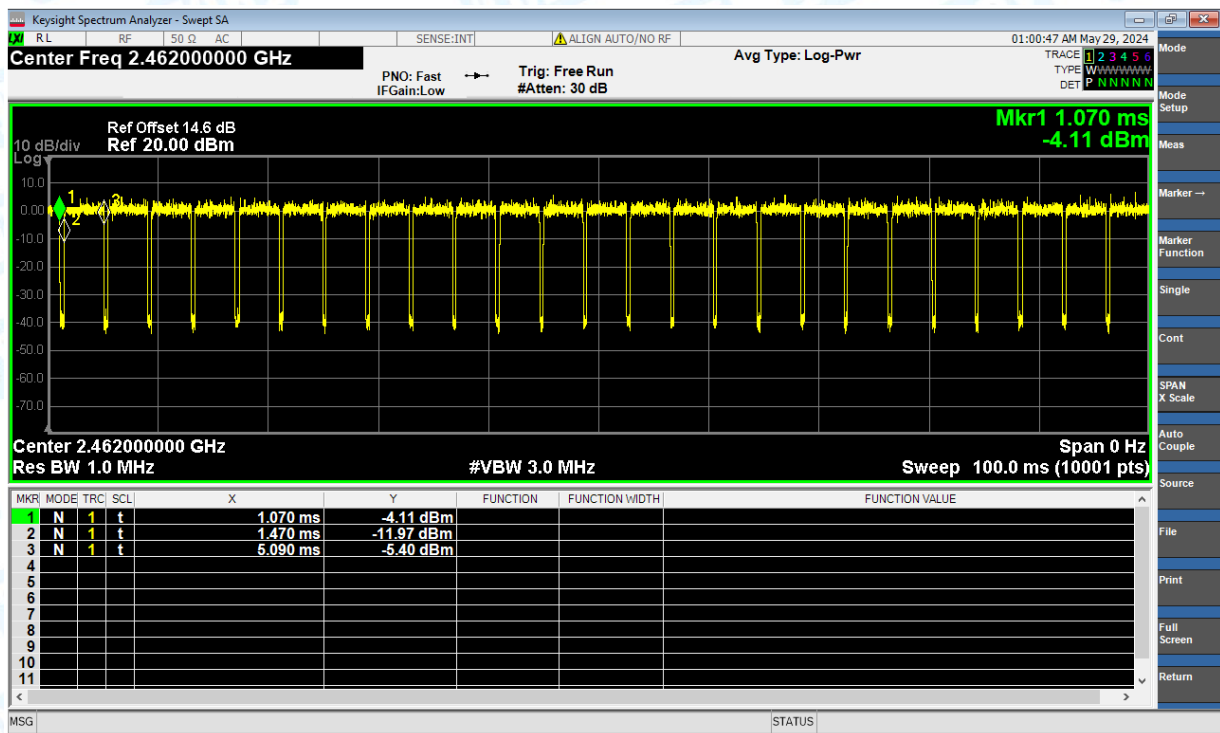
Duty Cycle NVNT ax(VHT20) 2412MHz Ant1



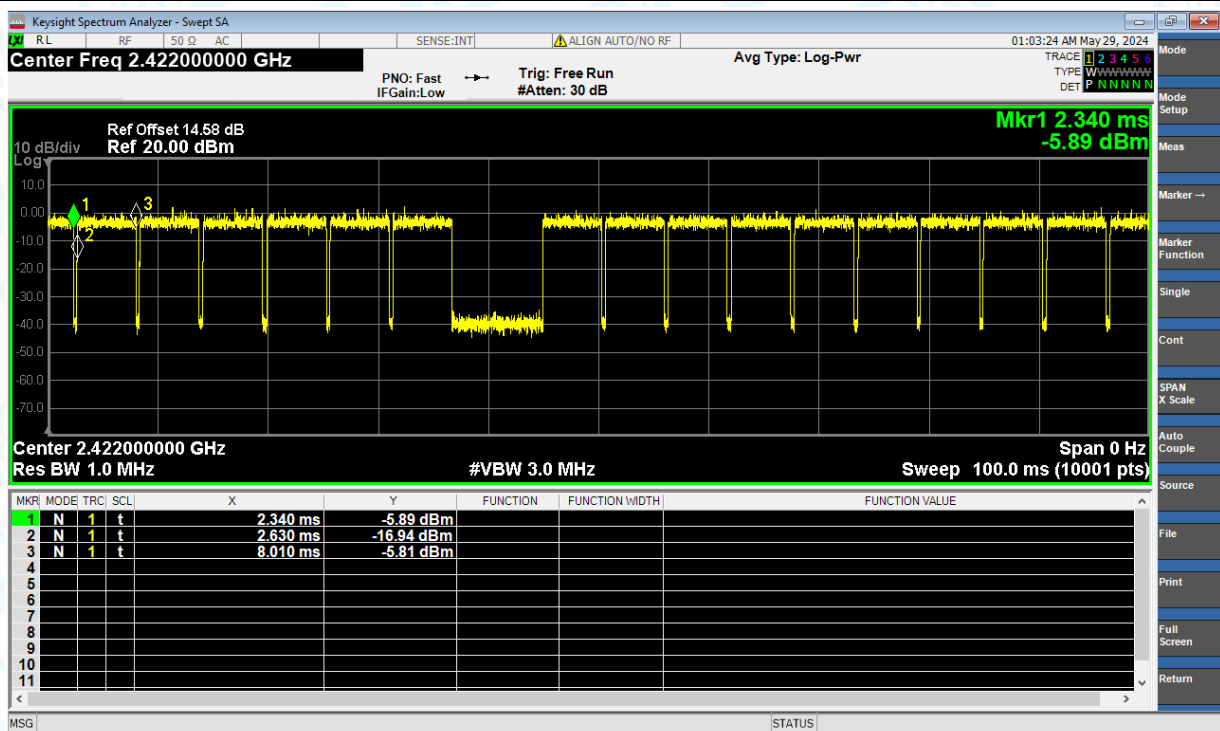
Duty Cycle NVNT ax(VHT20) 2437MHz Ant1



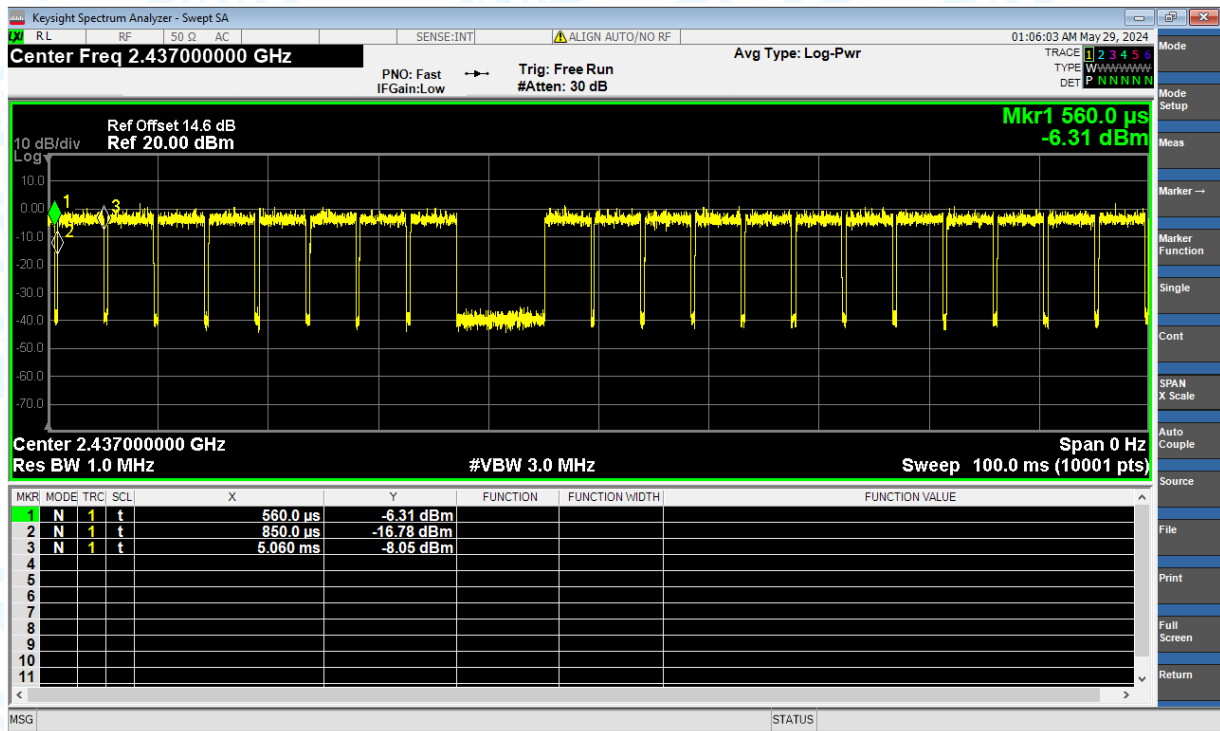
Duty Cycle NVNT ax(VHT20) 2462MHz Ant1



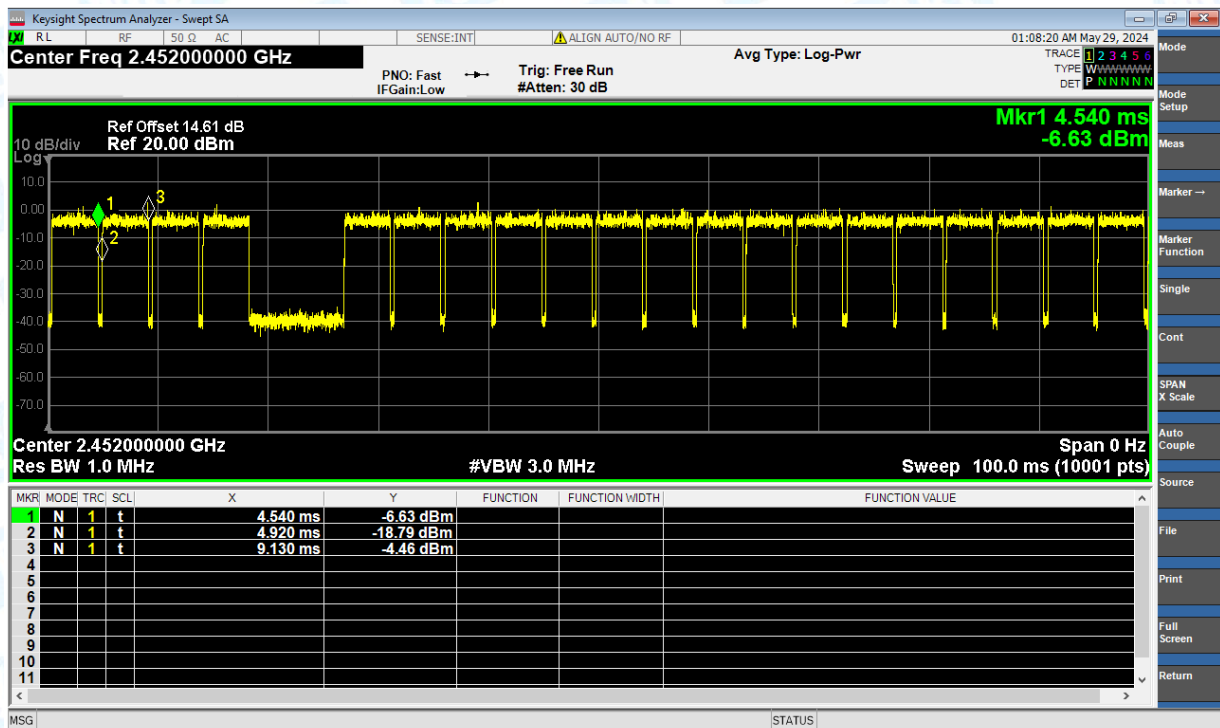
Duty Cycle NVNT ax(VHT40) 2422MHz Ant1



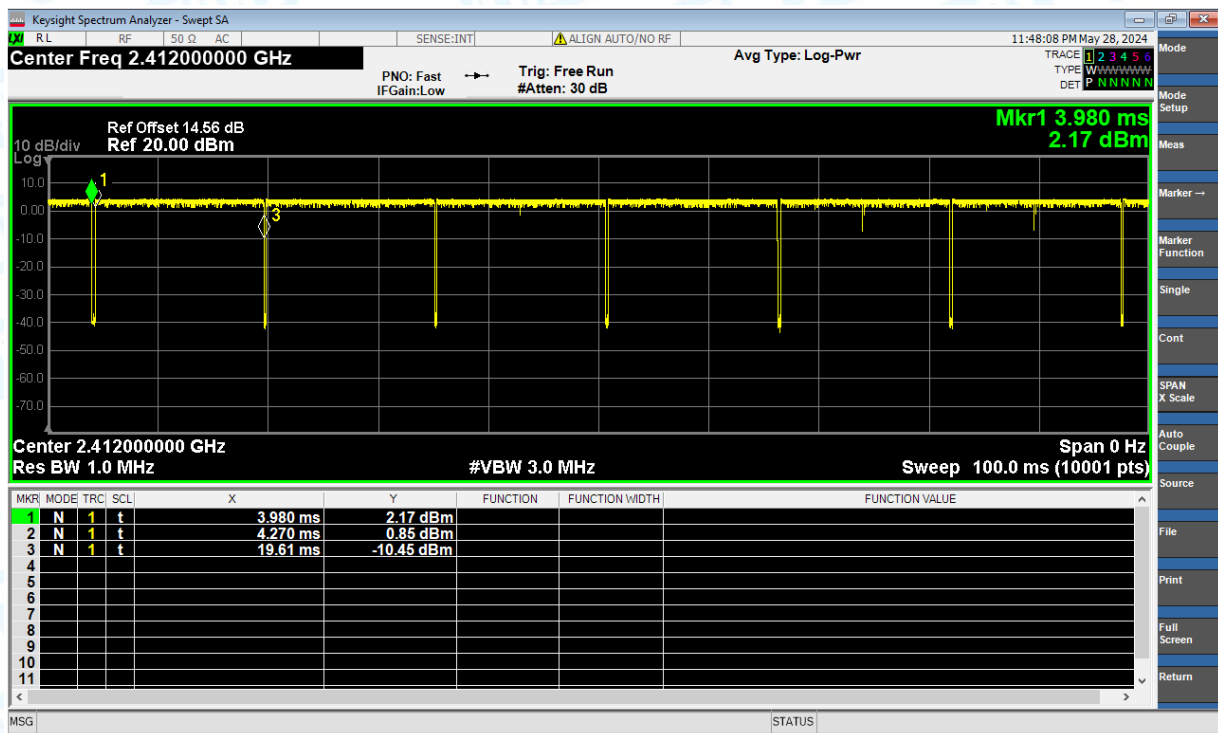
Duty Cycle NVNT ax(VHT40) 2437MHz Ant1



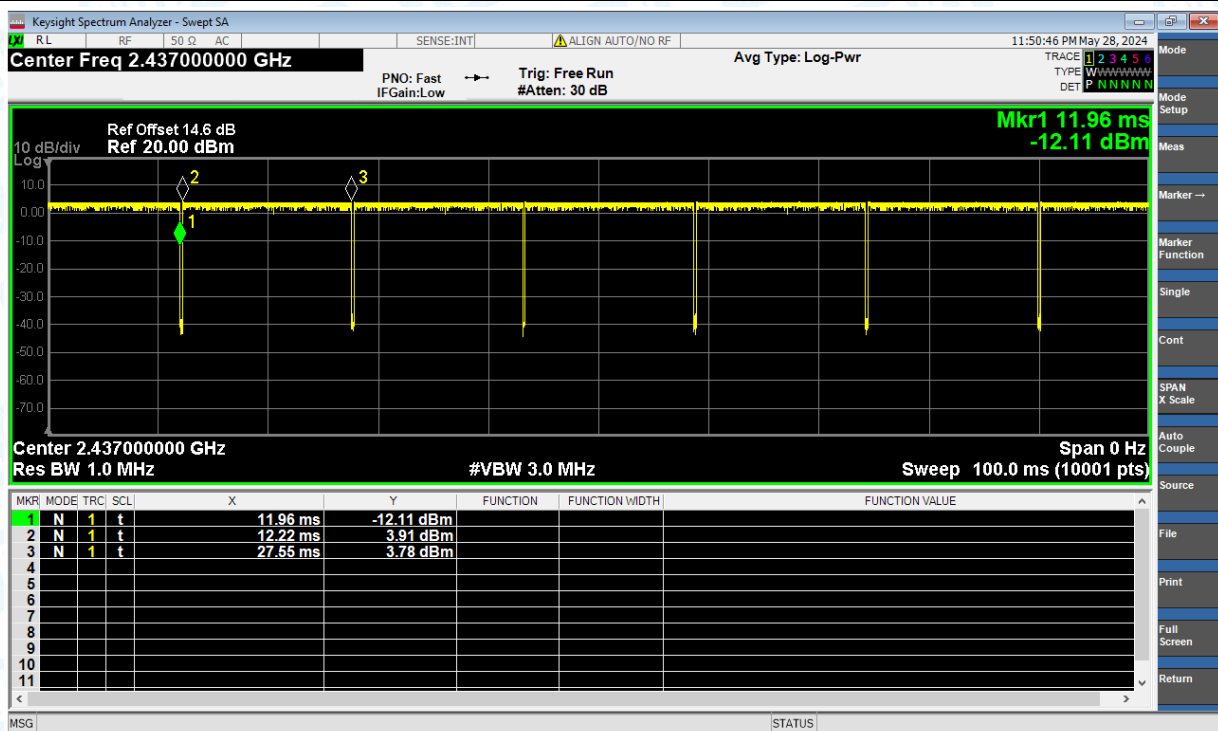
Duty Cycle NVNT ax(VHT40) 2452MHz Ant1



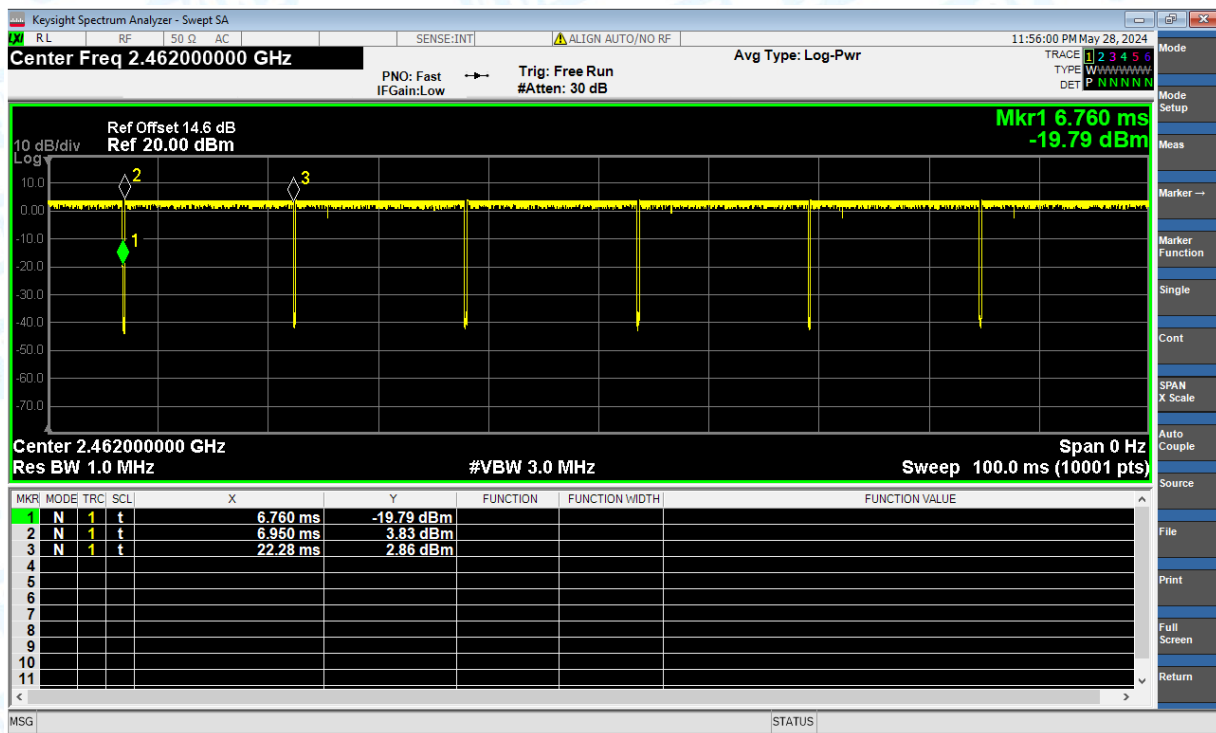
Duty Cycle NVNT b 2412MHz Ant1



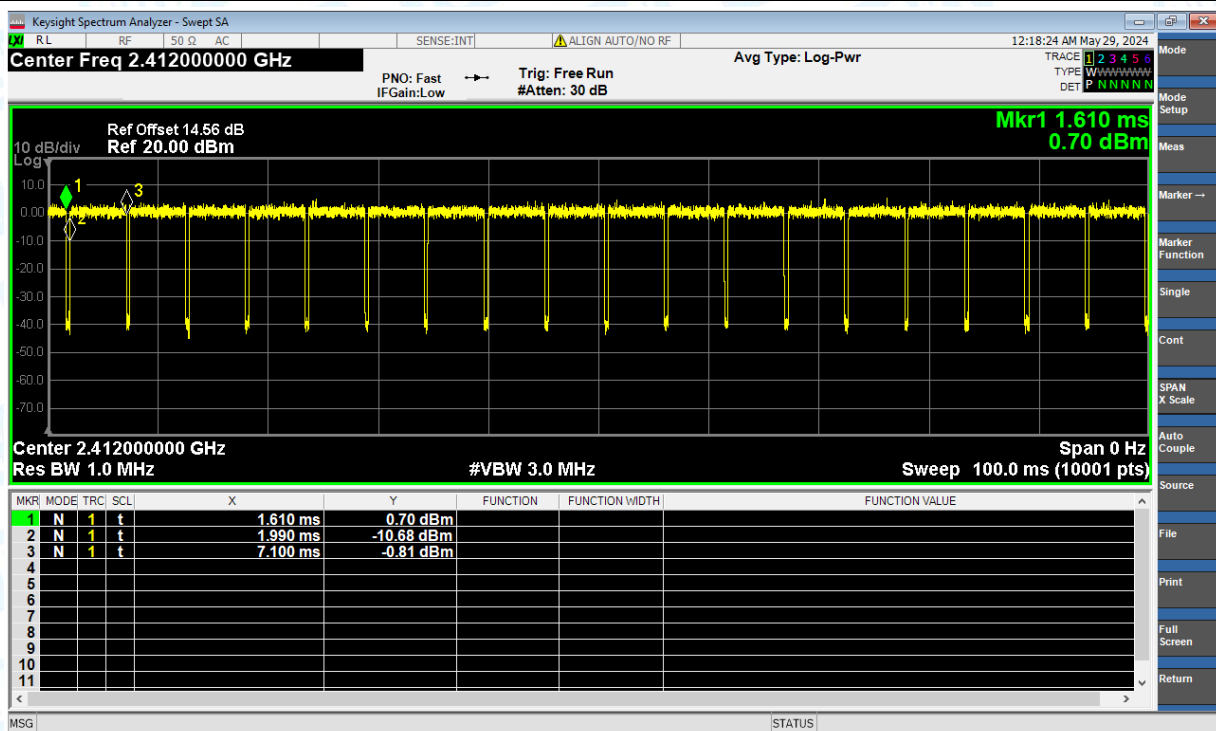
Duty Cycle NVNT b 2437MHz Ant1



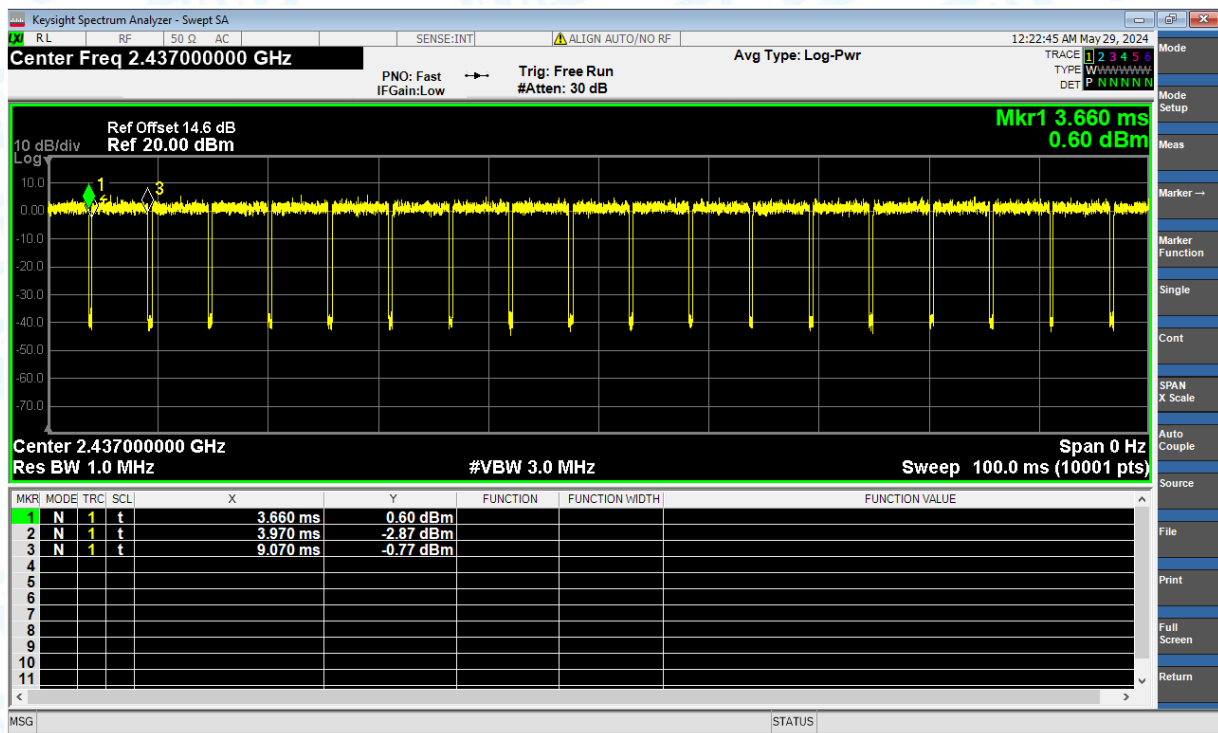
Duty Cycle NVNT b 2462MHz Ant1



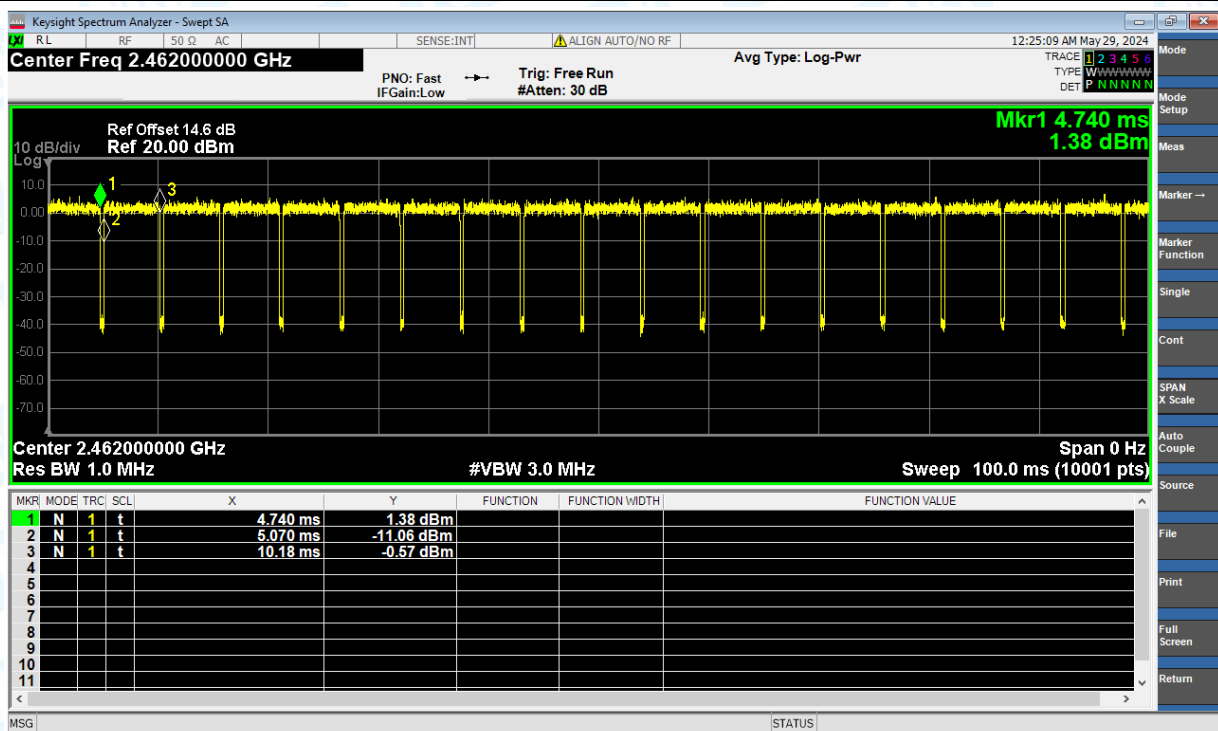
Duty Cycle NVNT g 2412MHz Ant1



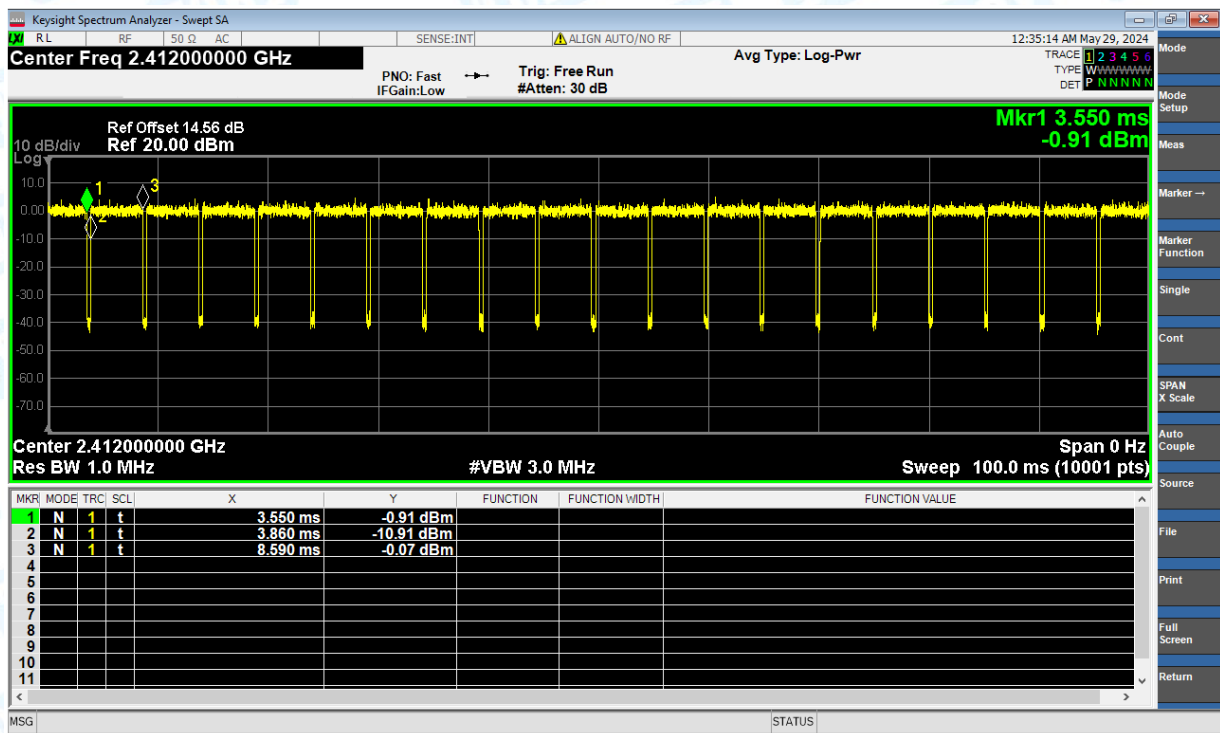
Duty Cycle NVNT g 2437MHz Ant1



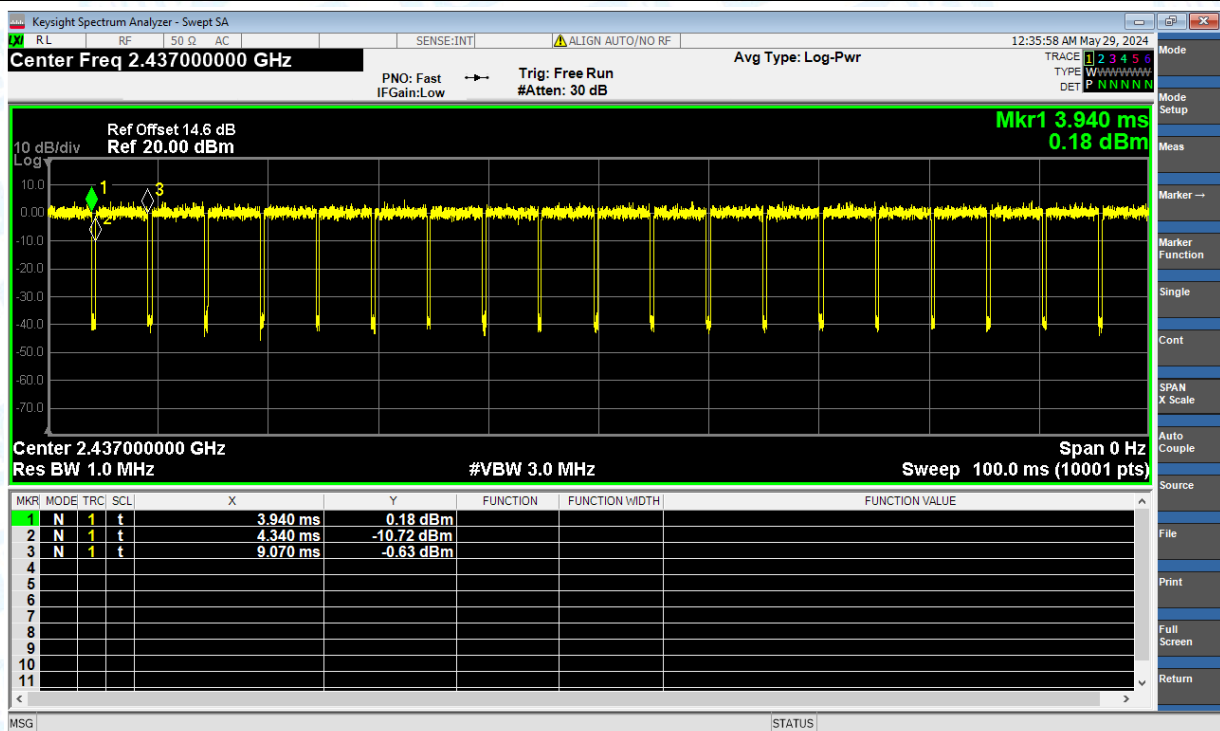
Duty Cycle NVNT g 2462MHz Ant1



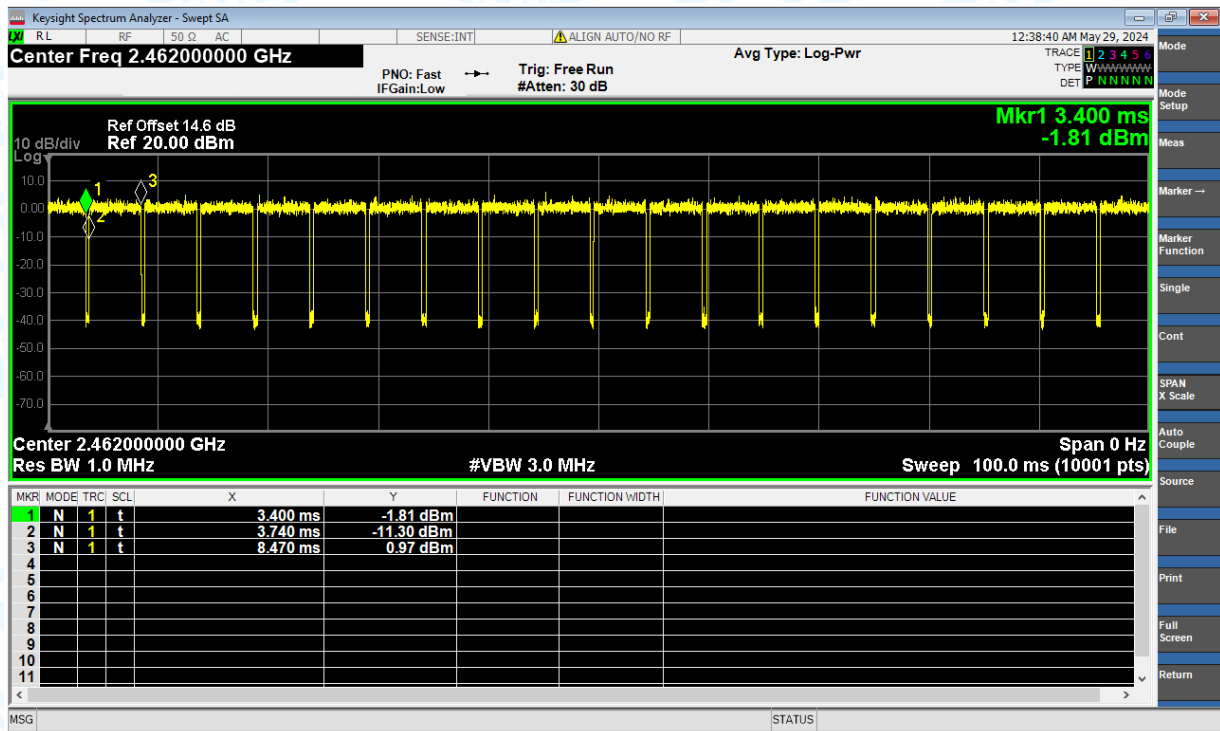
Duty Cycle NVNT n(HT20) 2412MHz Ant1



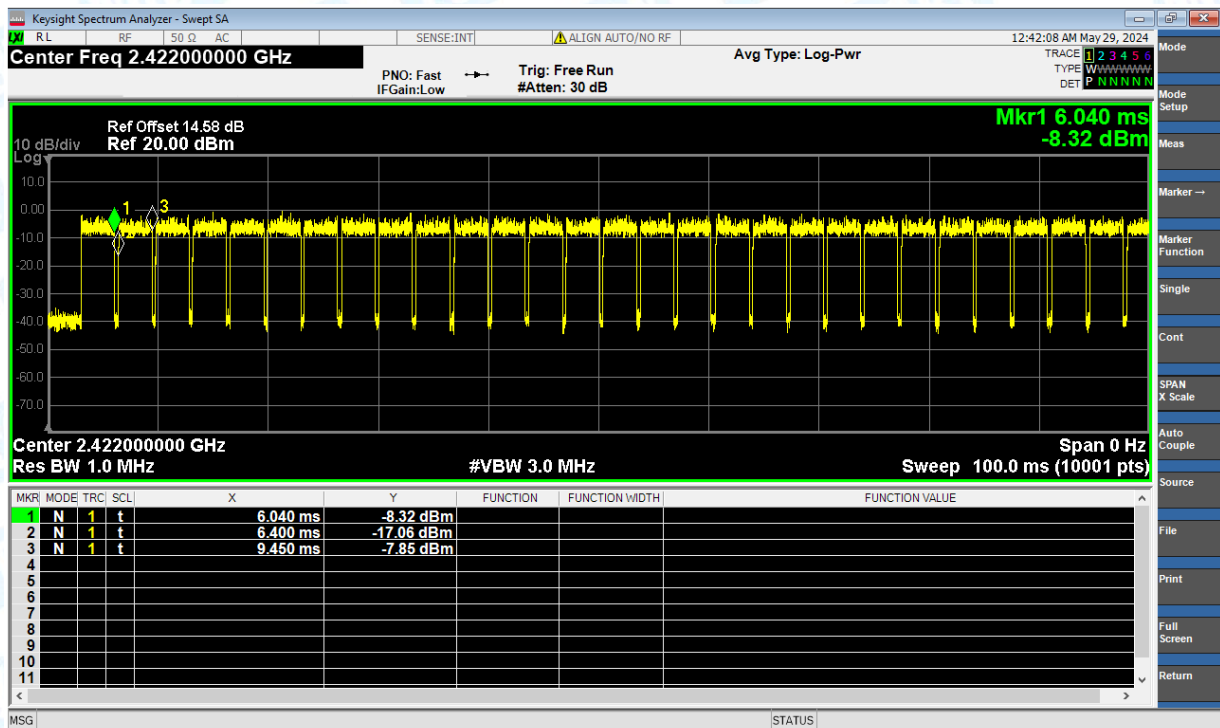
Duty Cycle NVNT n(HT20) 2437MHz Ant1



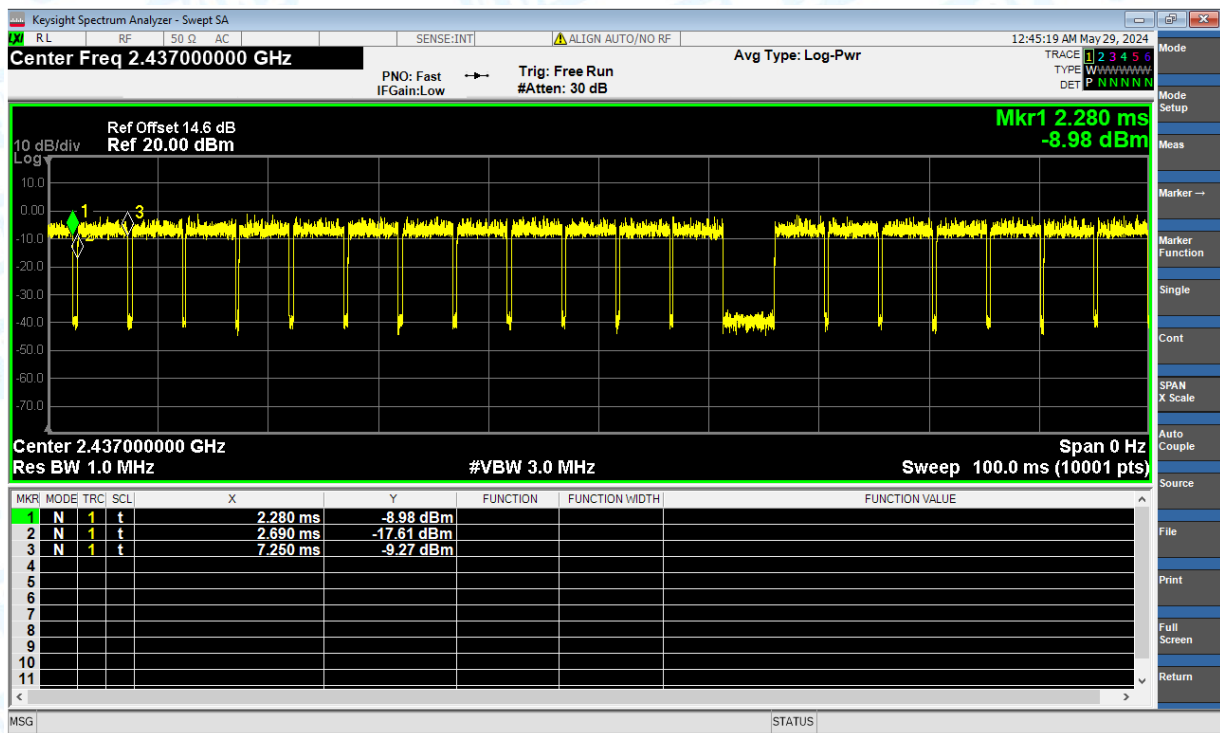
Duty Cycle NVNT n(HT20) 2462MHz Ant1



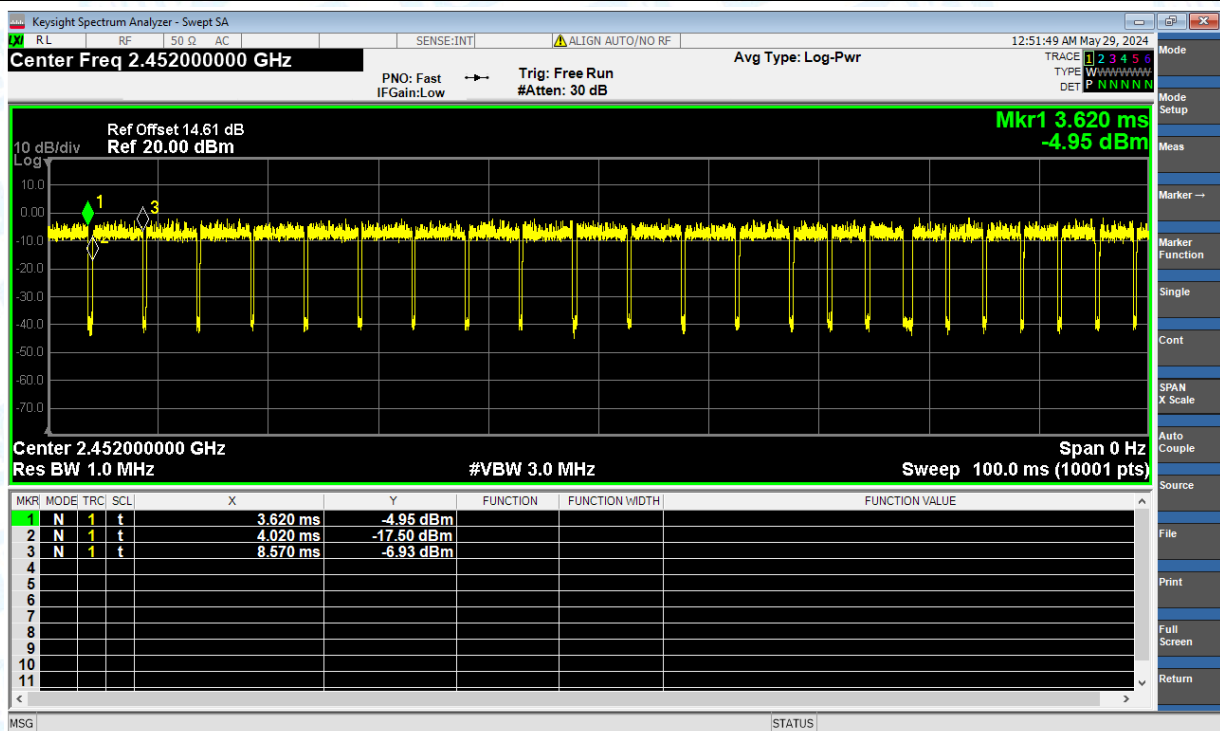
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	7.79	30	Pass
NVNT	ax(VHT20)	2437	Ant1	7.72	30	Pass
NVNT	ax(VHT20)	2462	Ant1	7.79	30	Pass
NVNT	ax(VHT40)	2422	Ant1	7.6	30	Pass
NVNT	ax(VHT40)	2437	Ant1	7.3	30	Pass
NVNT	ax(VHT40)	2452	Ant1	7.02	30	Pass
NVNT	b	2412	Ant1	7.53	30	Pass
NVNT	b	2437	Ant1	7.05	30	Pass
NVNT	b	2462	Ant1	7.57	30	Pass
NVNT	g	2412	Ant1	7.6	30	Pass
NVNT	g	2437	Ant1	7.56	30	Pass
NVNT	g	2462	Ant1	7.85	30	Pass
NVNT	n(HT20)	2412	Ant1	7.59	30	Pass
NVNT	n(HT20)	2437	Ant1	7.7	30	Pass
NVNT	n(HT20)	2462	Ant1	7.95	30	Pass
NVNT	n(HT40)	2422	Ant1	7.84	30	Pass
NVNT	n(HT40)	2437	Ant1	7.36	30	Pass
NVNT	n(HT40)	2452	Ant1	7.33	30	Pass

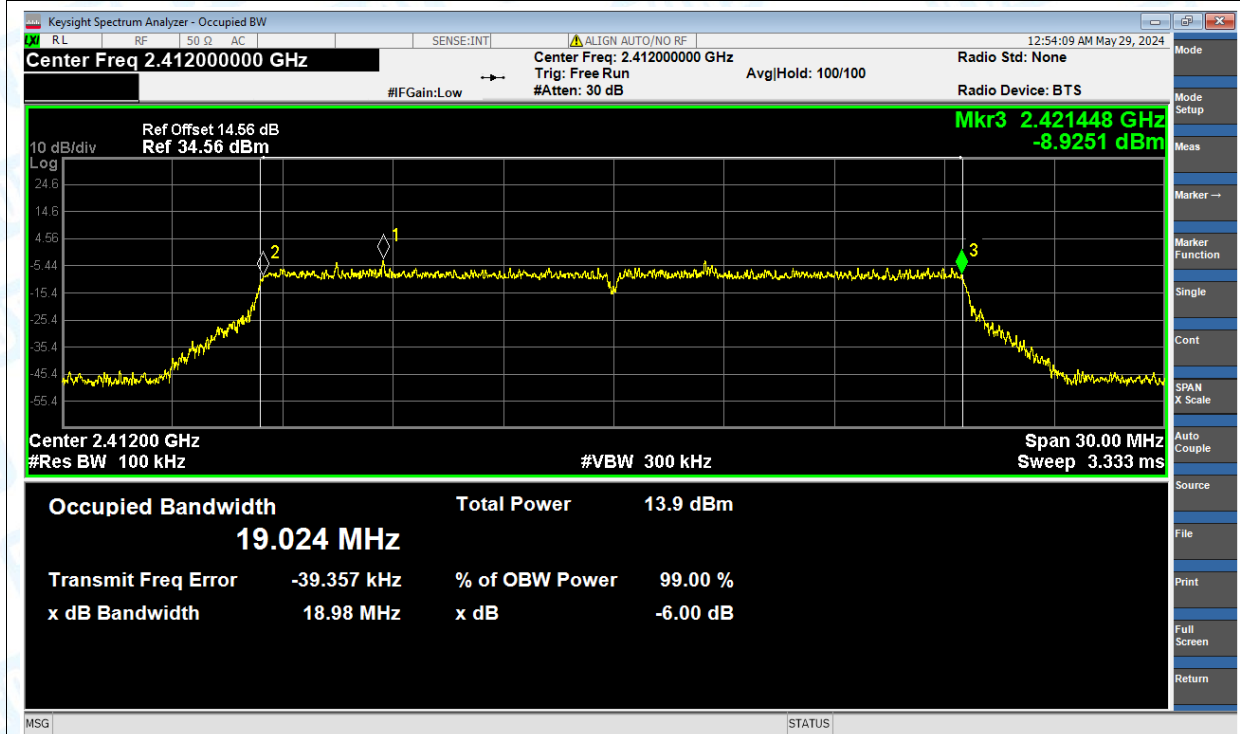
Note: The duty factor has been compensated into the result.

3. -6dB Bandwidth

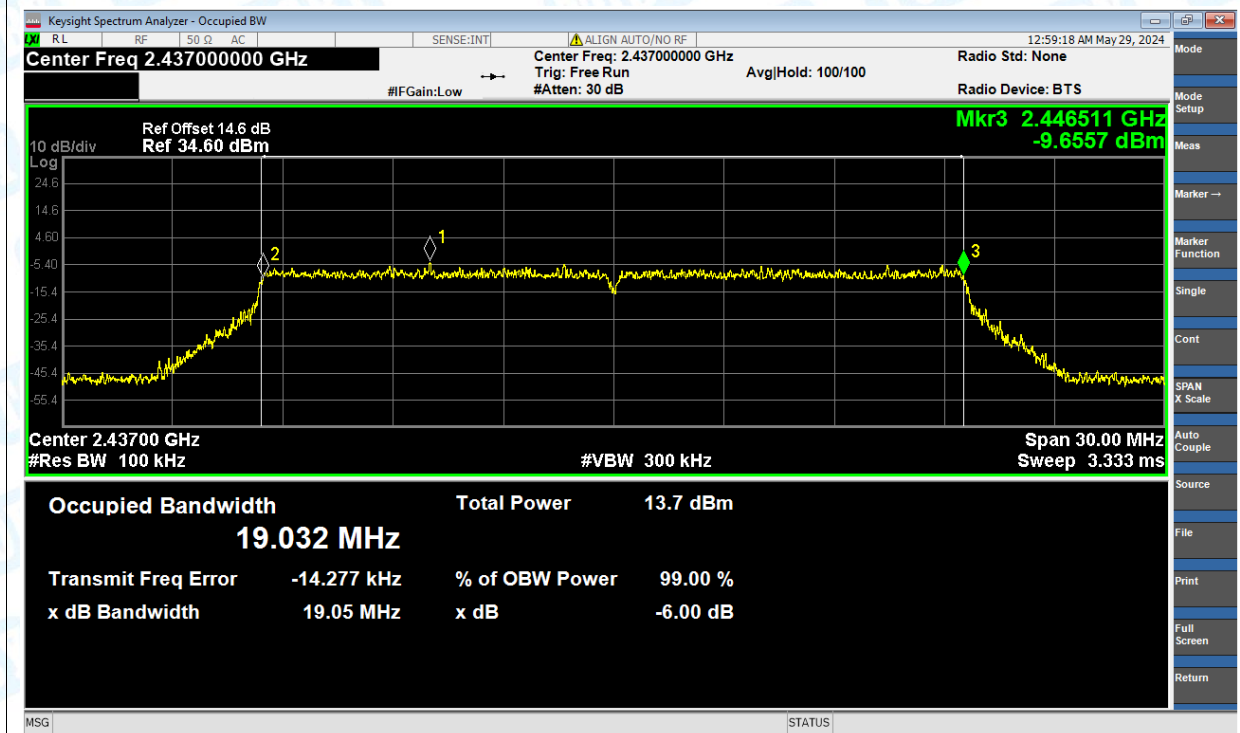
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax(VHT20)	2412	Ant1	18.98	0.5	Pass
NVNT	ax(VHT20)	2437	Ant1	19.05	0.5	Pass
NVNT	ax(VHT20)	2462	Ant1	19.04	0.5	Pass
NVNT	ax(VHT40)	2422	Ant1	37.91	0.5	Pass
NVNT	ax(VHT40)	2437	Ant1	37.96	0.5	Pass
NVNT	ax(VHT40)	2452	Ant1	37.94	0.5	Pass
NVNT	b	2412	Ant1	7.76	0.5	Pass
NVNT	b	2437	Ant1	7.8	0.5	Pass
NVNT	b	2462	Ant1	8.14	0.5	Pass
NVNT	g	2412	Ant1	16.49	0.5	Pass
NVNT	g	2437	Ant1	16.4	0.5	Pass
NVNT	g	2462	Ant1	16.46	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.67	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.71	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.81	0.5	Pass
NVNT	n(HT40)	2422	Ant1	36.35	0.5	Pass
NVNT	n(HT40)	2437	Ant1	36.49	0.5	Pass
NVNT	n(HT40)	2452	Ant1	36.39	0.5	Pass

Test Graphs

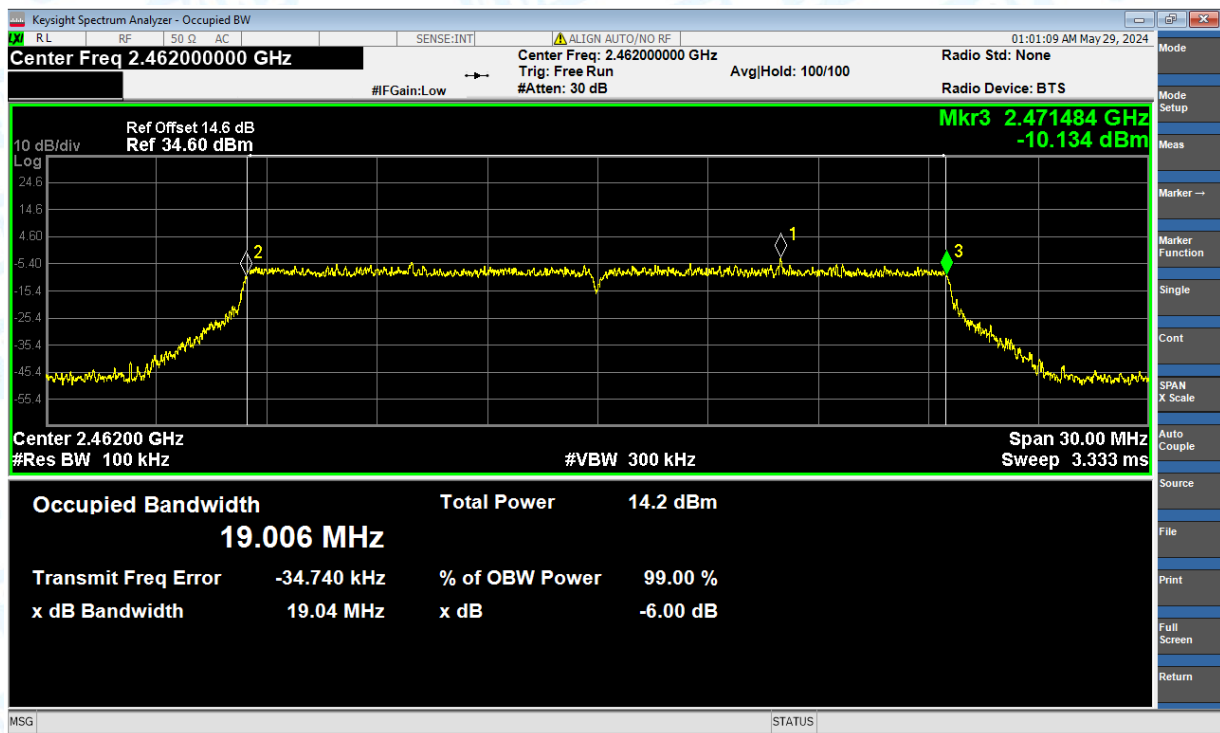
-6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



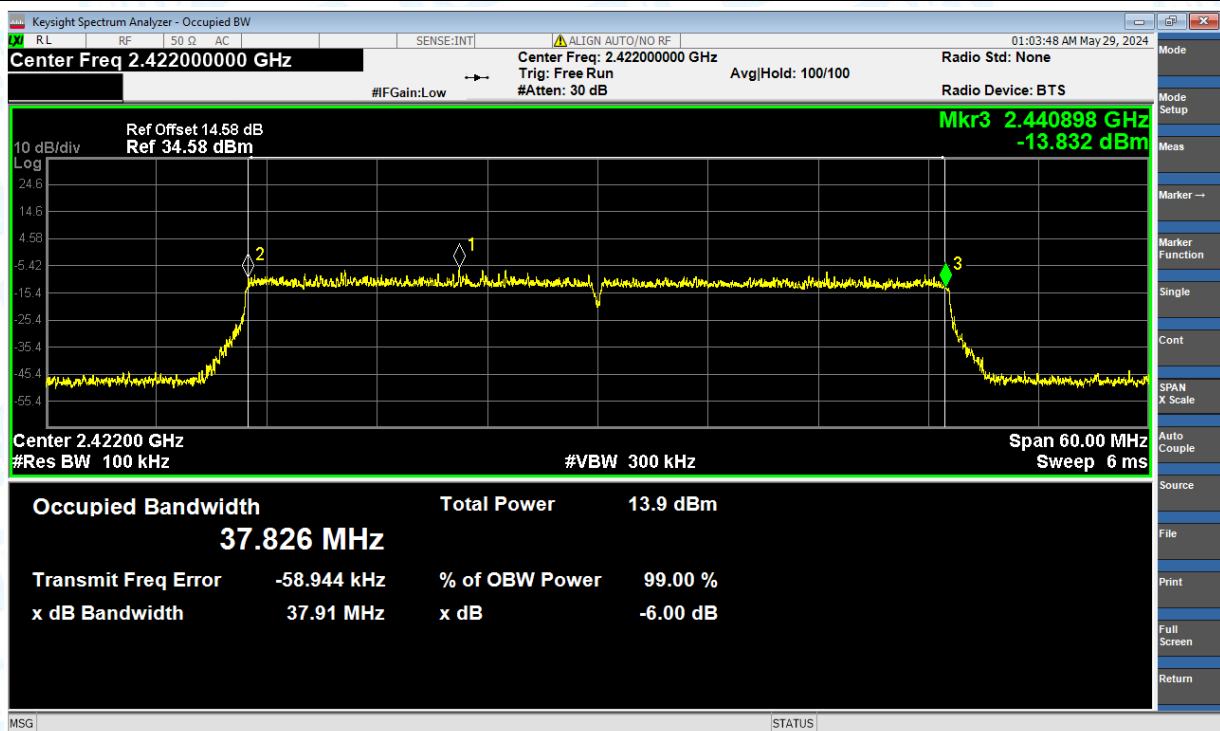
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



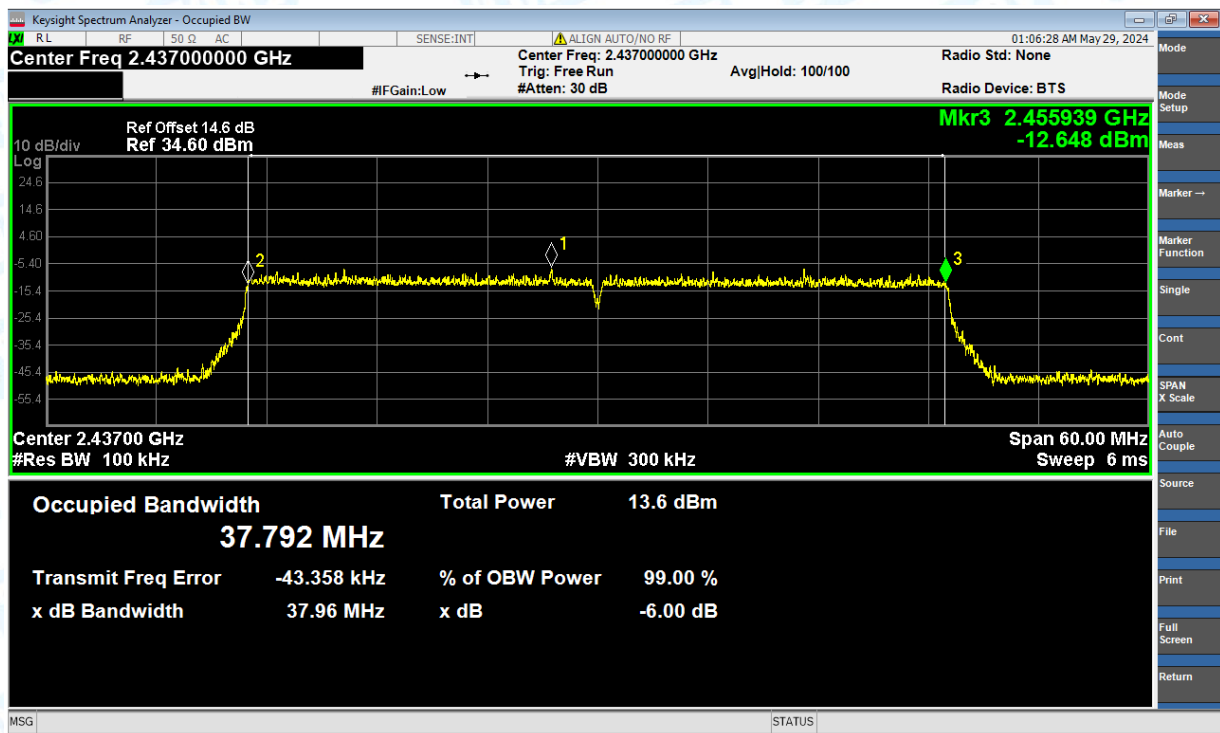
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant1



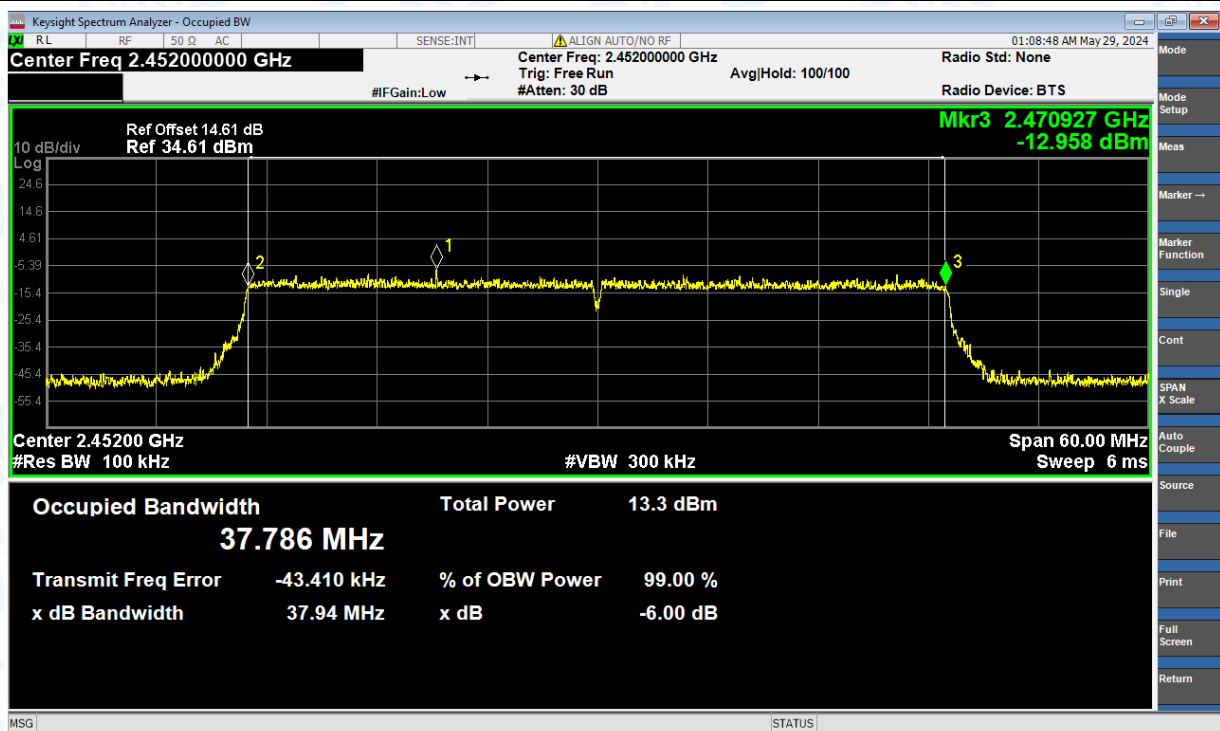
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



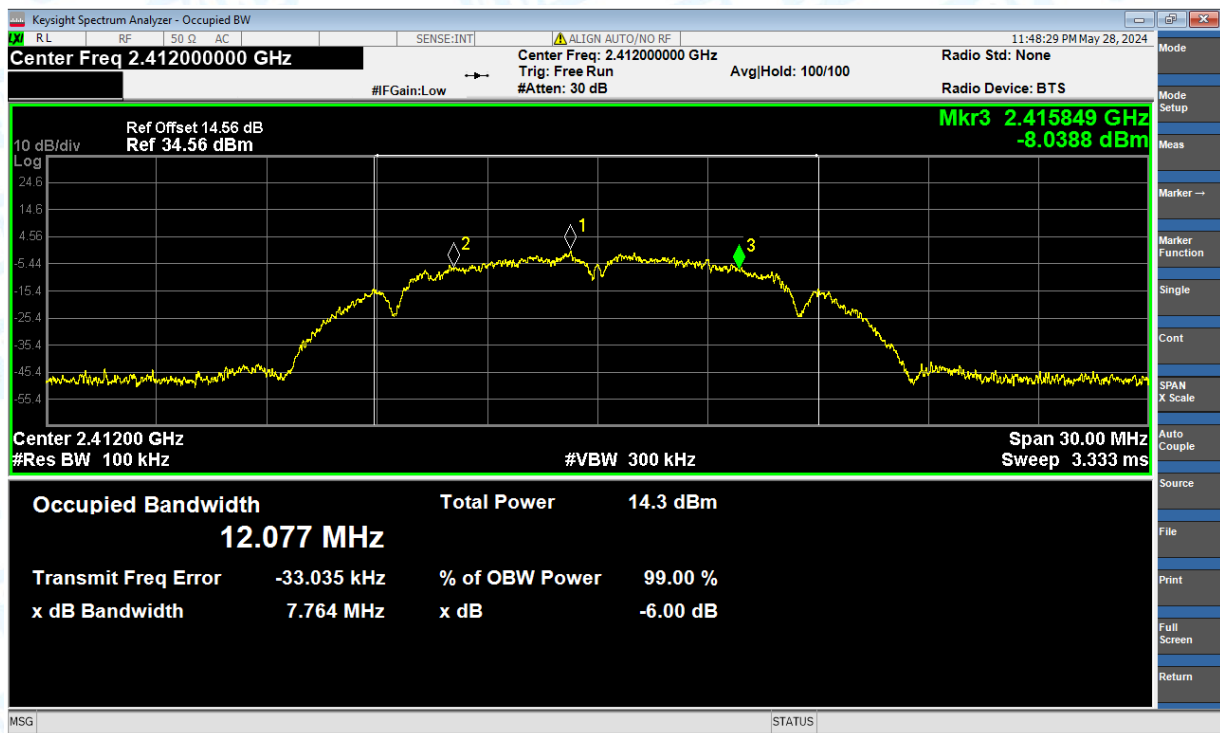
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



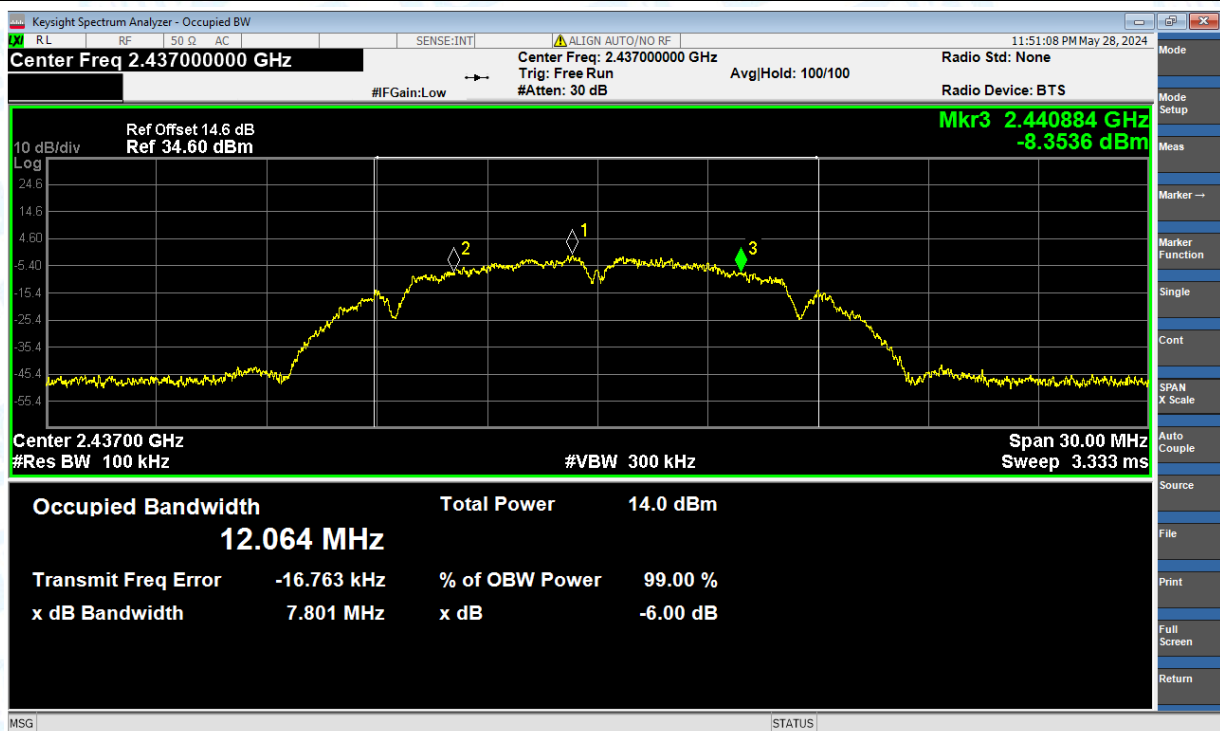
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1



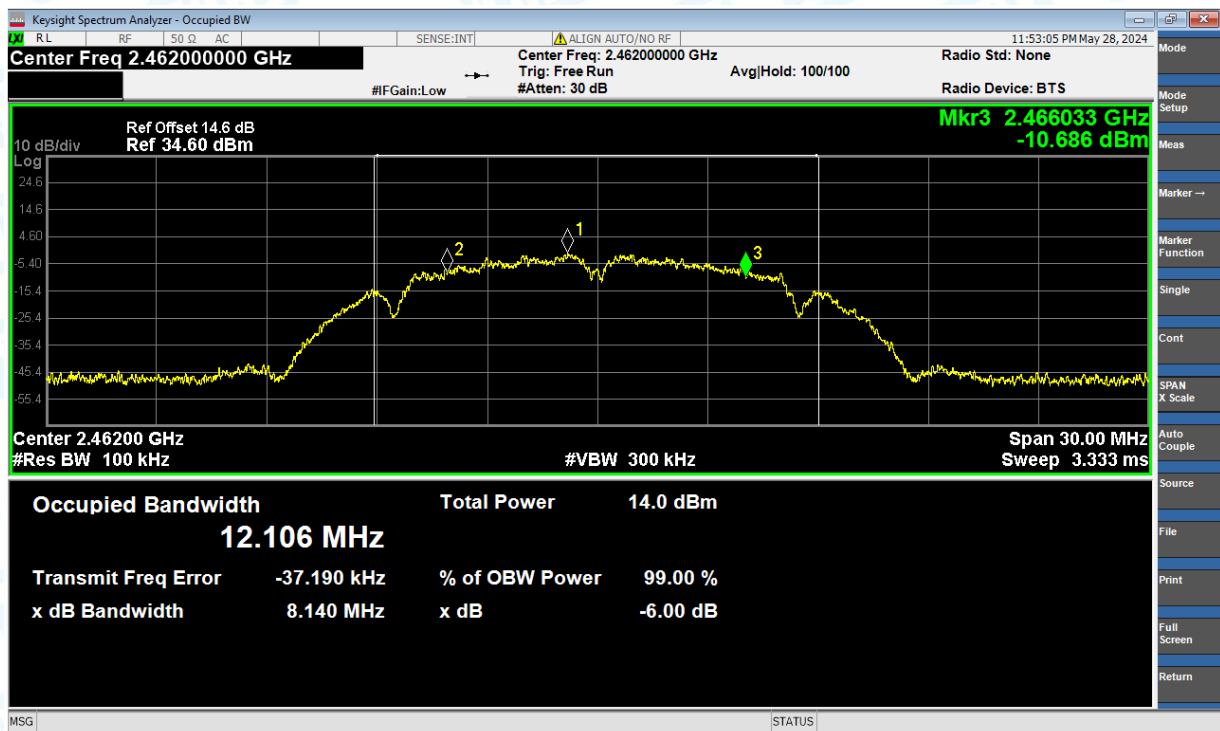
-6dB Bandwidth NVNT b 2412MHz Ant1



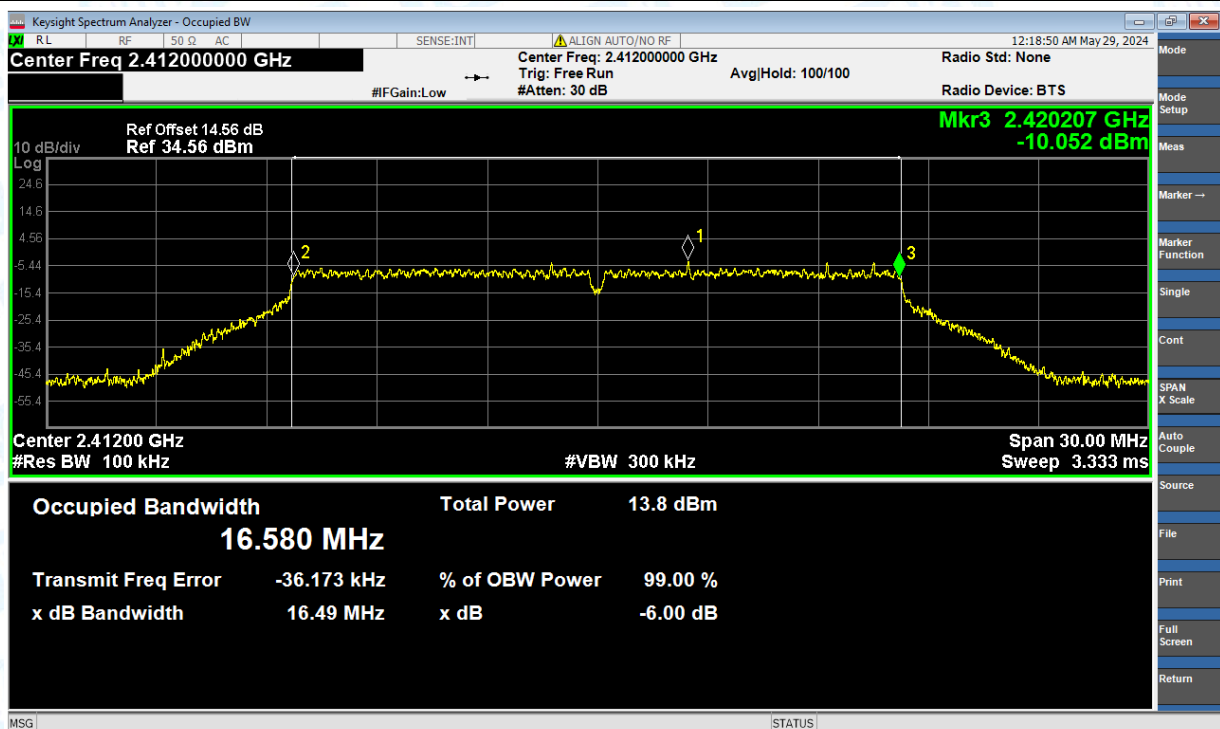
-6dB Bandwidth NVNT b 2437MHz Ant1



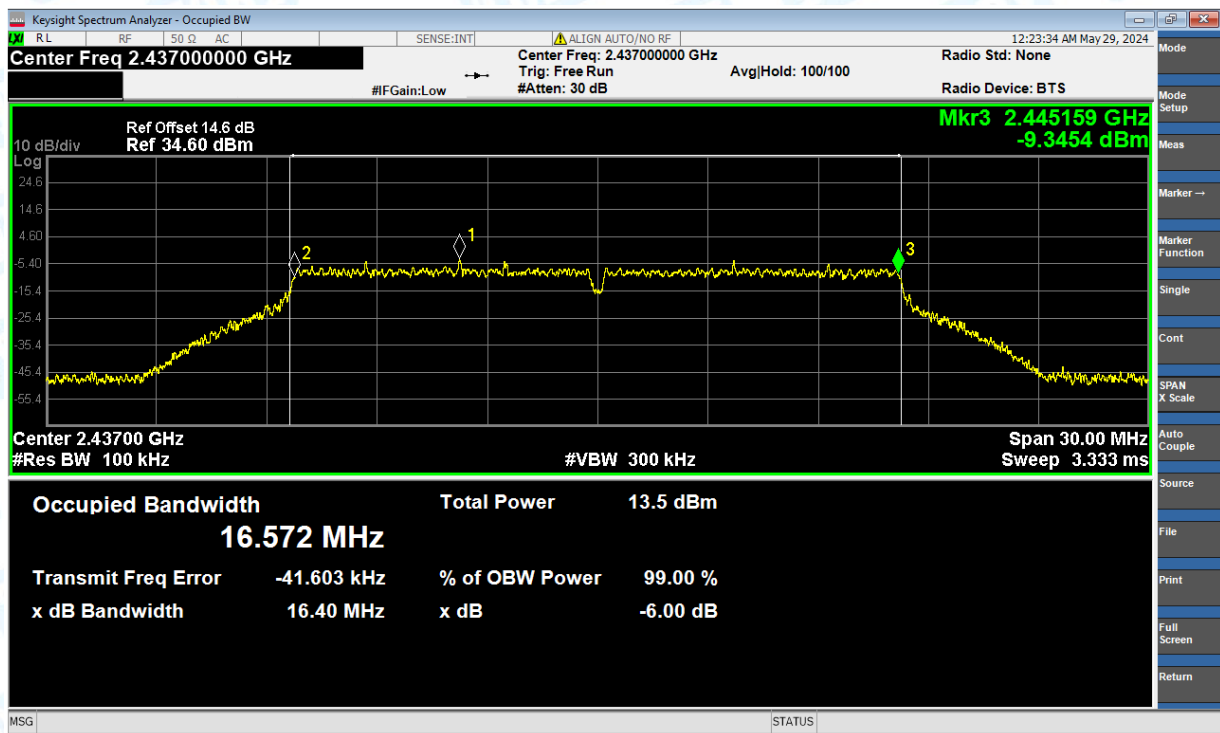
-6dB Bandwidth NVNT b 2462MHz Ant1



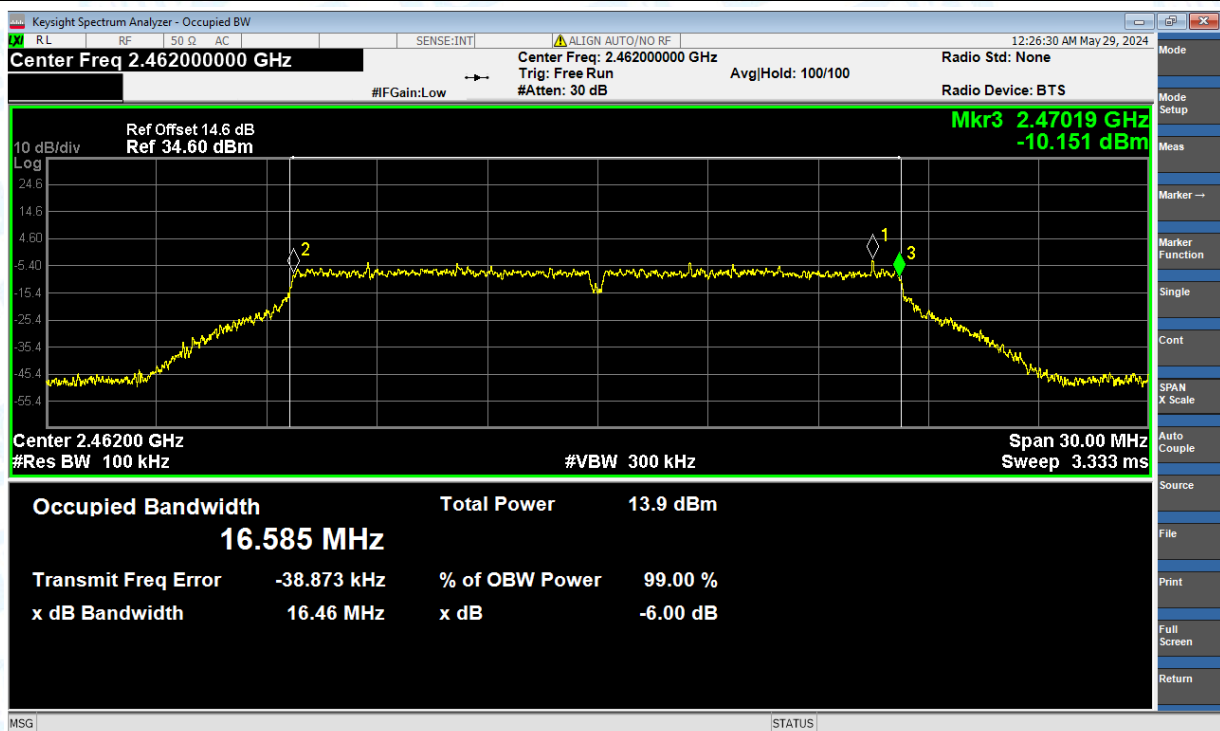
-6dB Bandwidth NVNT g 2412MHz Ant1



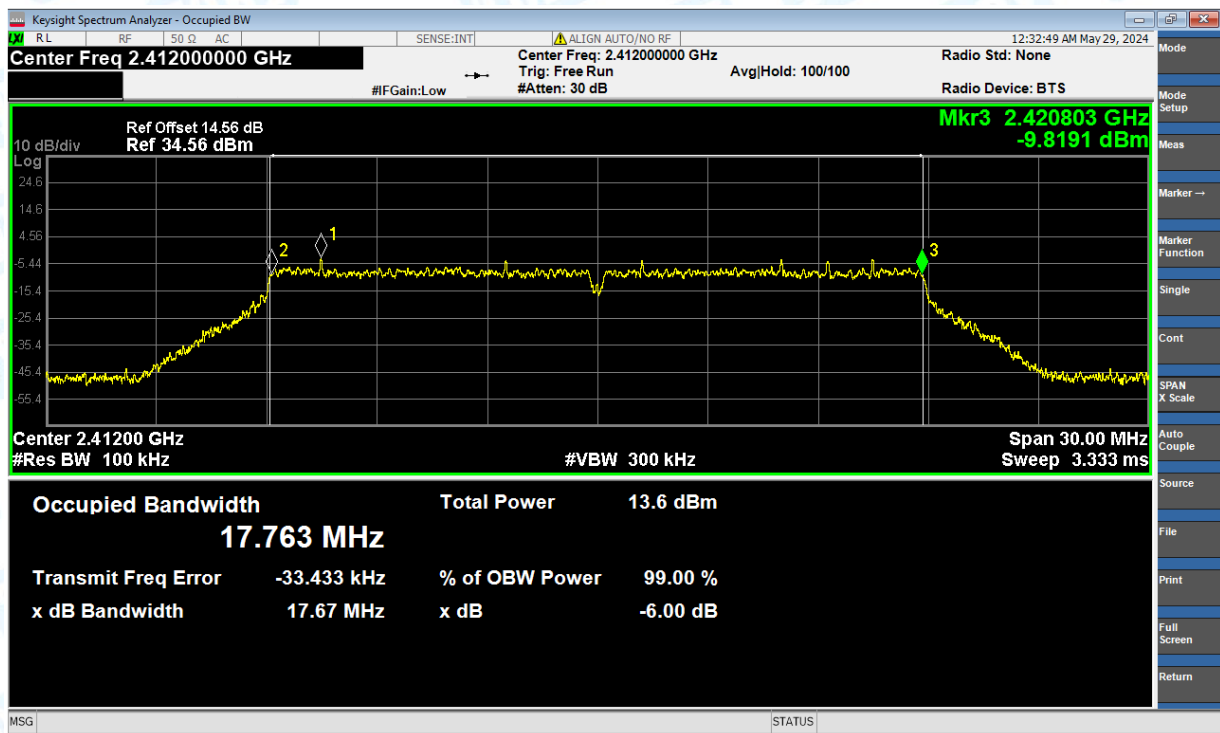
-6dB Bandwidth NVNT g 2437MHz Ant1



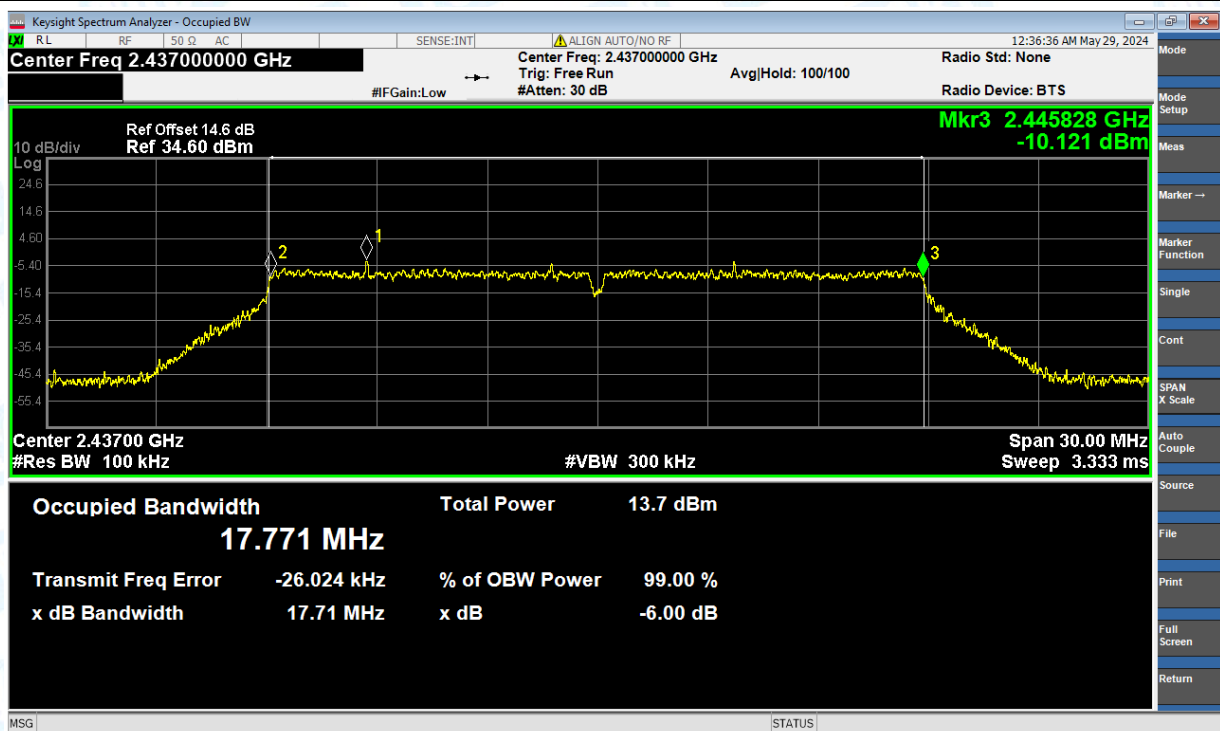
-6dB Bandwidth NVNT g 2462MHz Ant1



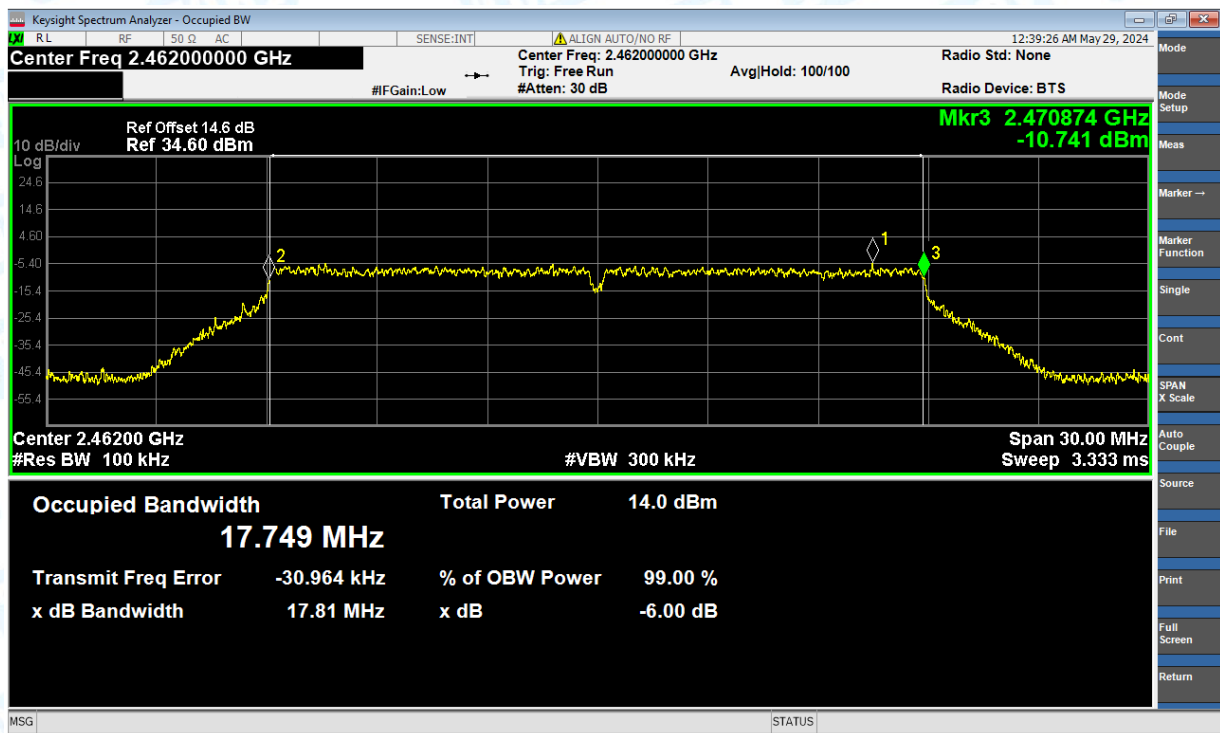
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



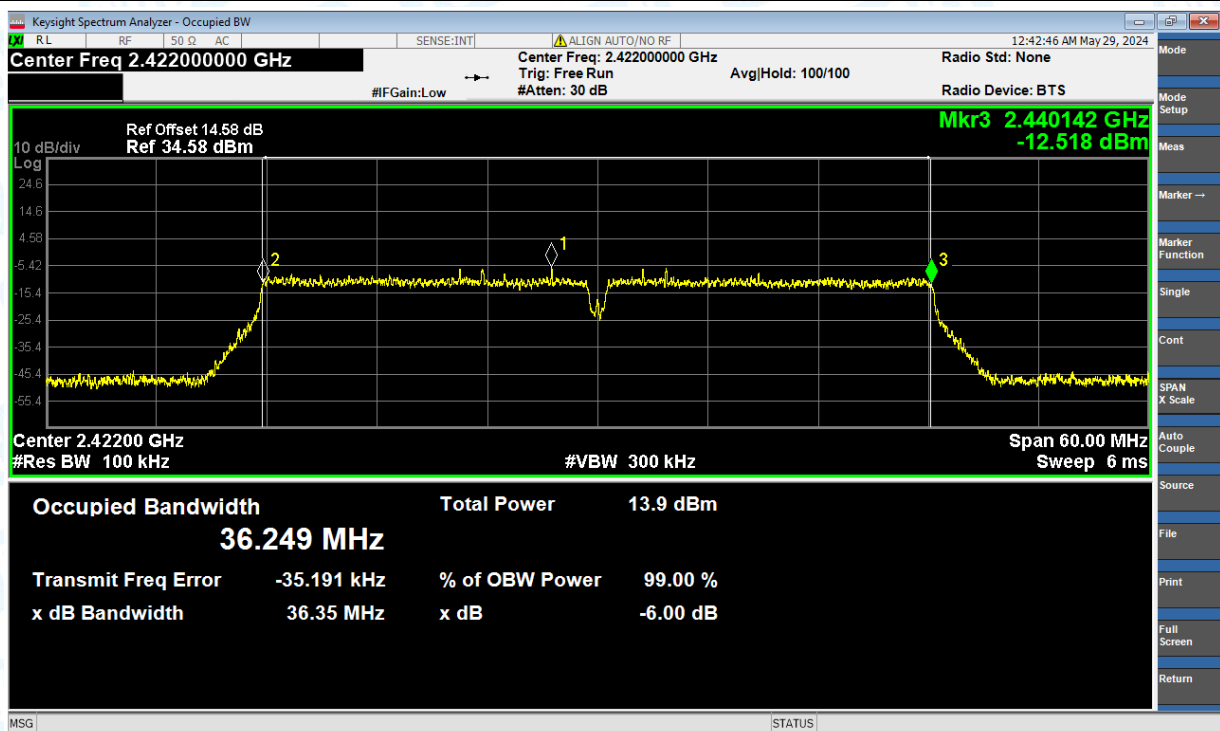
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



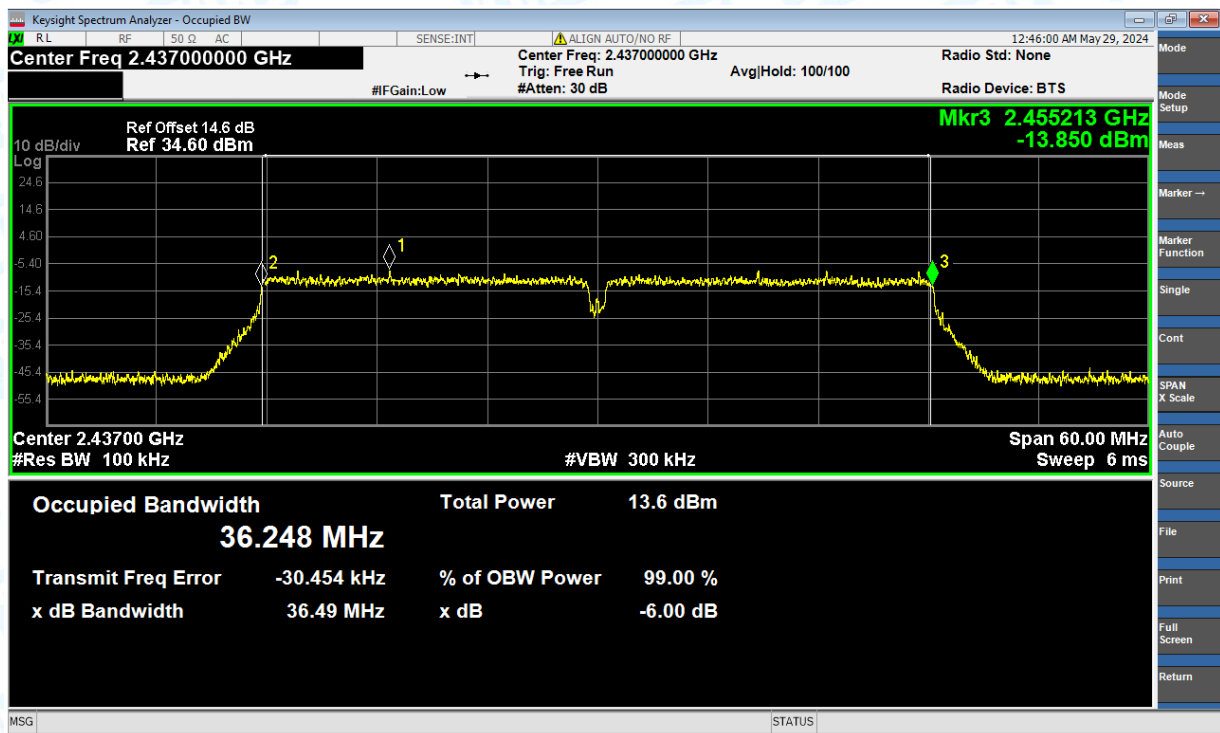
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



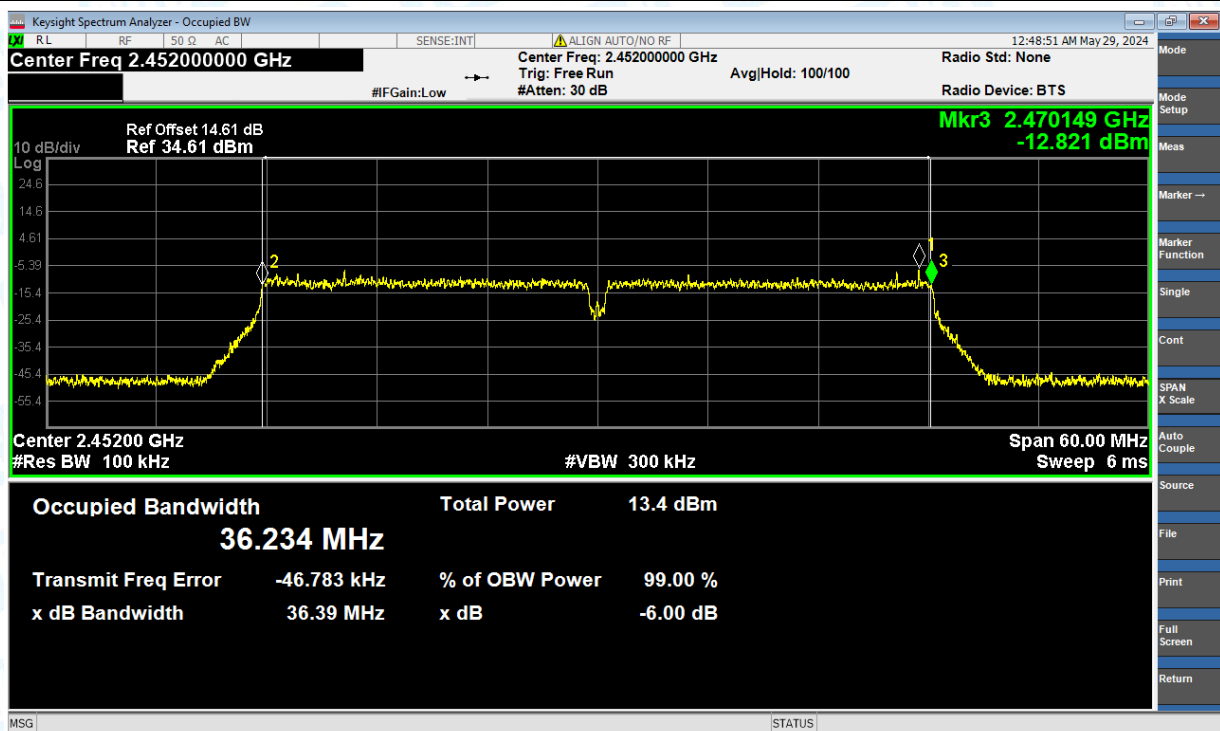
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1

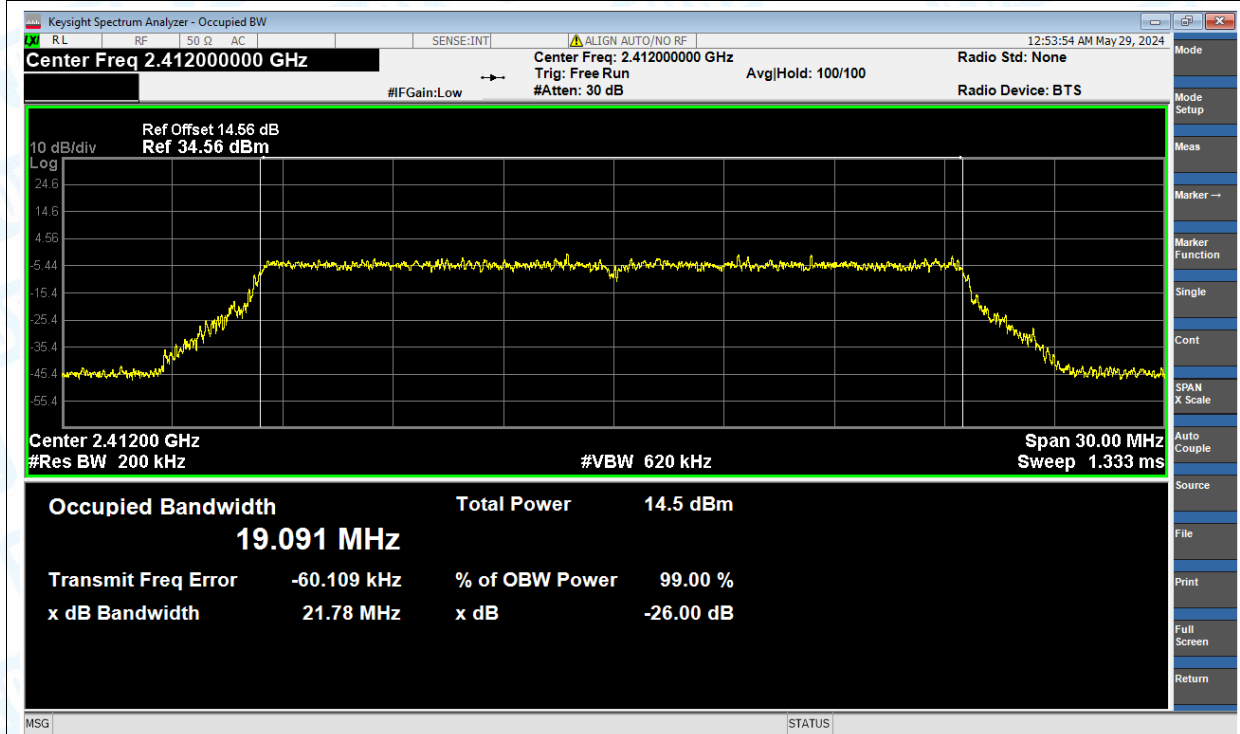


4. Occupied Channel Bandwidth

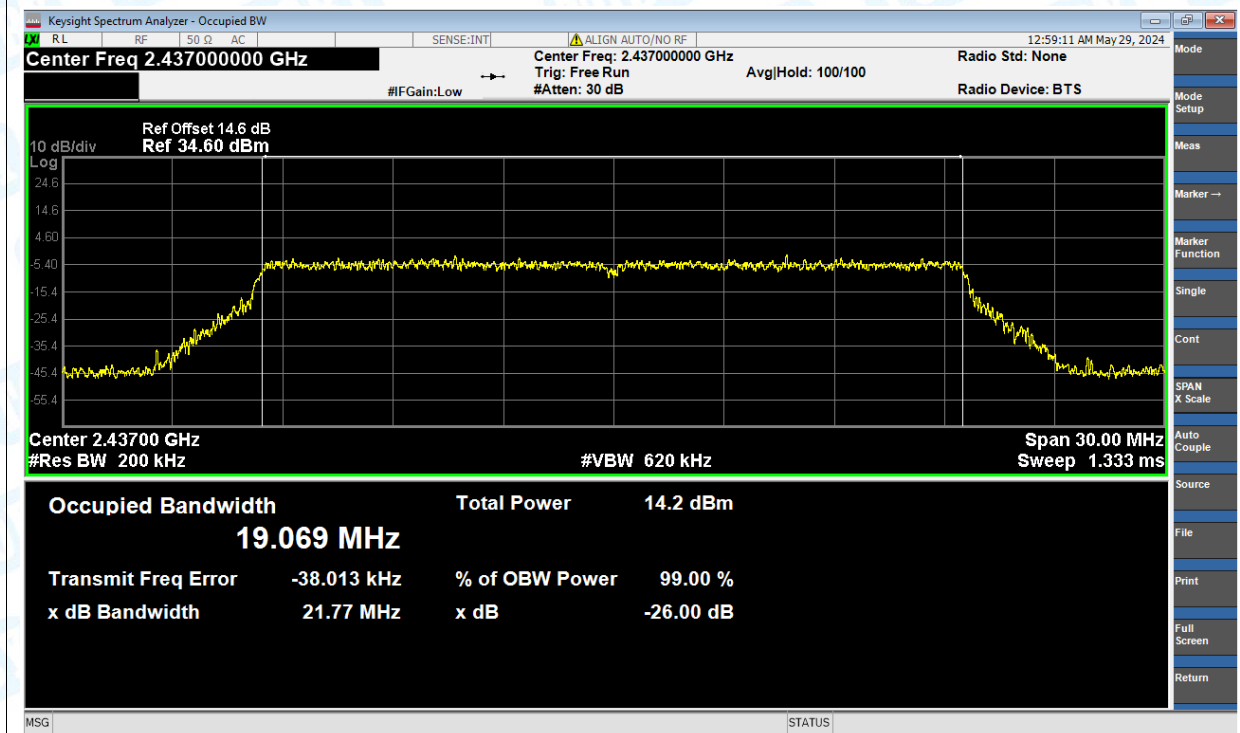
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax(VHT20)	2412	Ant1	19.091
NVNT	ax(VHT20)	2437	Ant1	19.069
NVNT	ax(VHT20)	2462	Ant1	19.14
NVNT	ax(VHT40)	2422	Ant1	37.922
NVNT	ax(VHT40)	2437	Ant1	37.851
NVNT	ax(VHT40)	2452	Ant1	37.871
NVNT	b	2412	Ant1	12.114
NVNT	b	2437	Ant1	12.118
NVNT	b	2462	Ant1	12.068
NVNT	g	2412	Ant1	16.794
NVNT	g	2437	Ant1	16.819
NVNT	g	2462	Ant1	16.814
NVNT	n(HT20)	2412	Ant1	17.939
NVNT	n(HT20)	2437	Ant1	17.944
NVNT	n(HT20)	2462	Ant1	17.889
NVNT	n(HT40)	2422	Ant1	36.427
NVNT	n(HT40)	2437	Ant1	36.416
NVNT	n(HT40)	2452	Ant1	36.417

Test Graphs

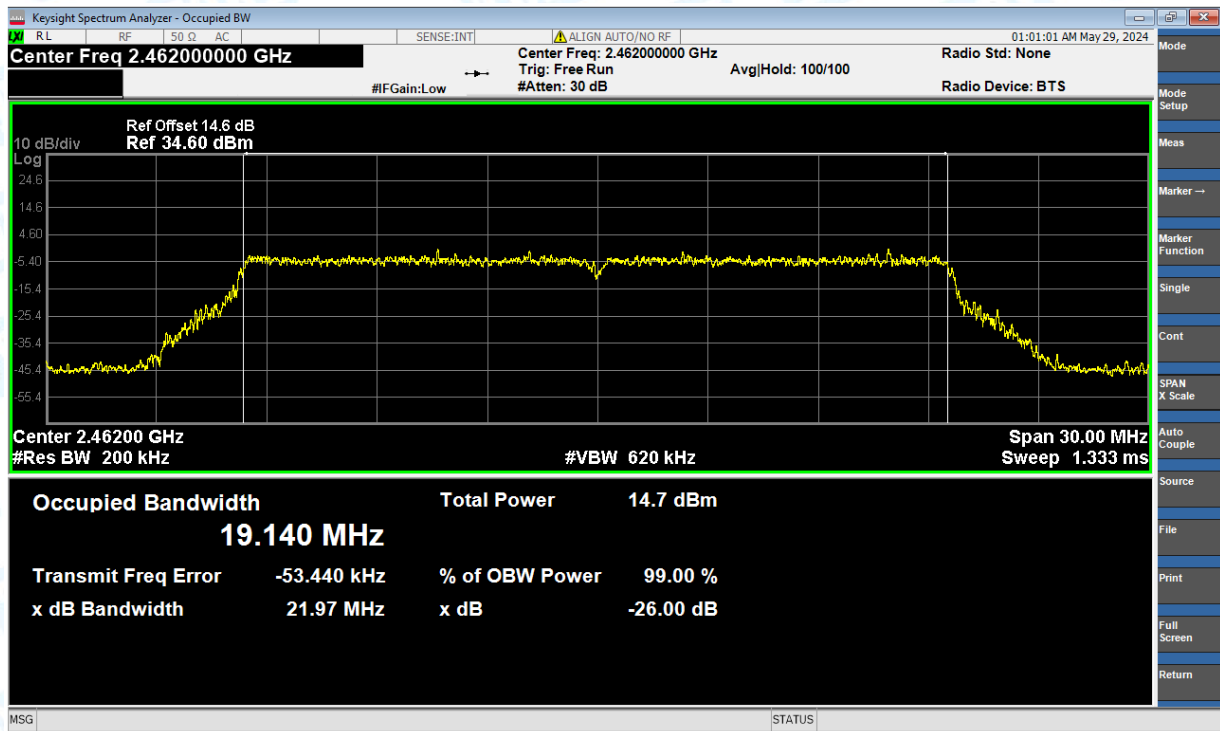
OBW NVNT ax(VHT20) 2412MHz Ant1



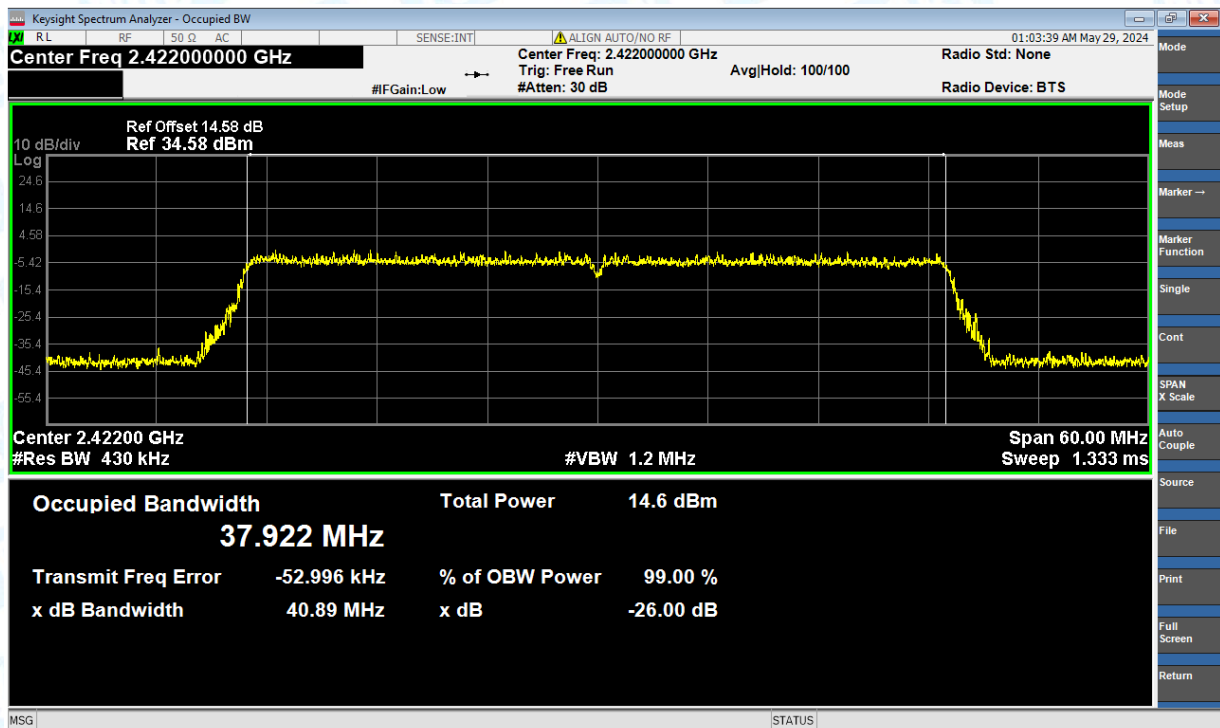
OBW NVNT ax(VHT20) 2437MHz Ant1



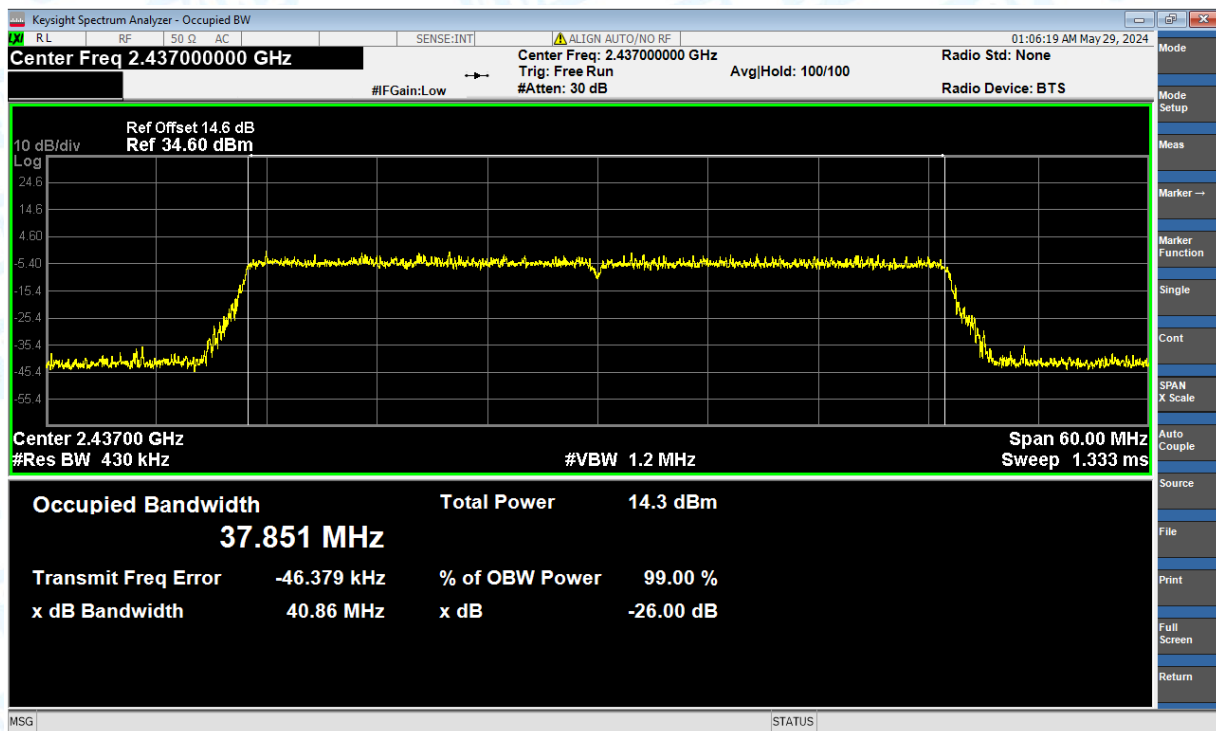
OBW NVNT ax(VHT20) 2462MHz Ant1



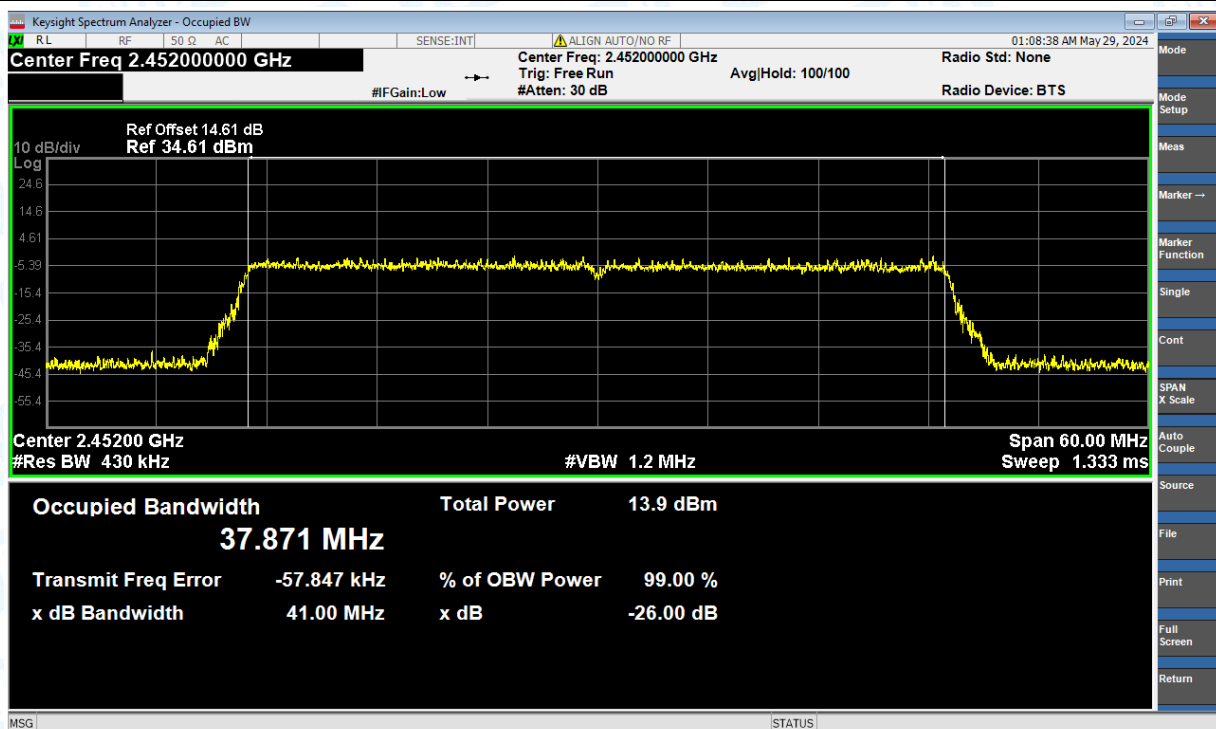
OBW NVNT ax(VHT40) 2422MHz Ant1



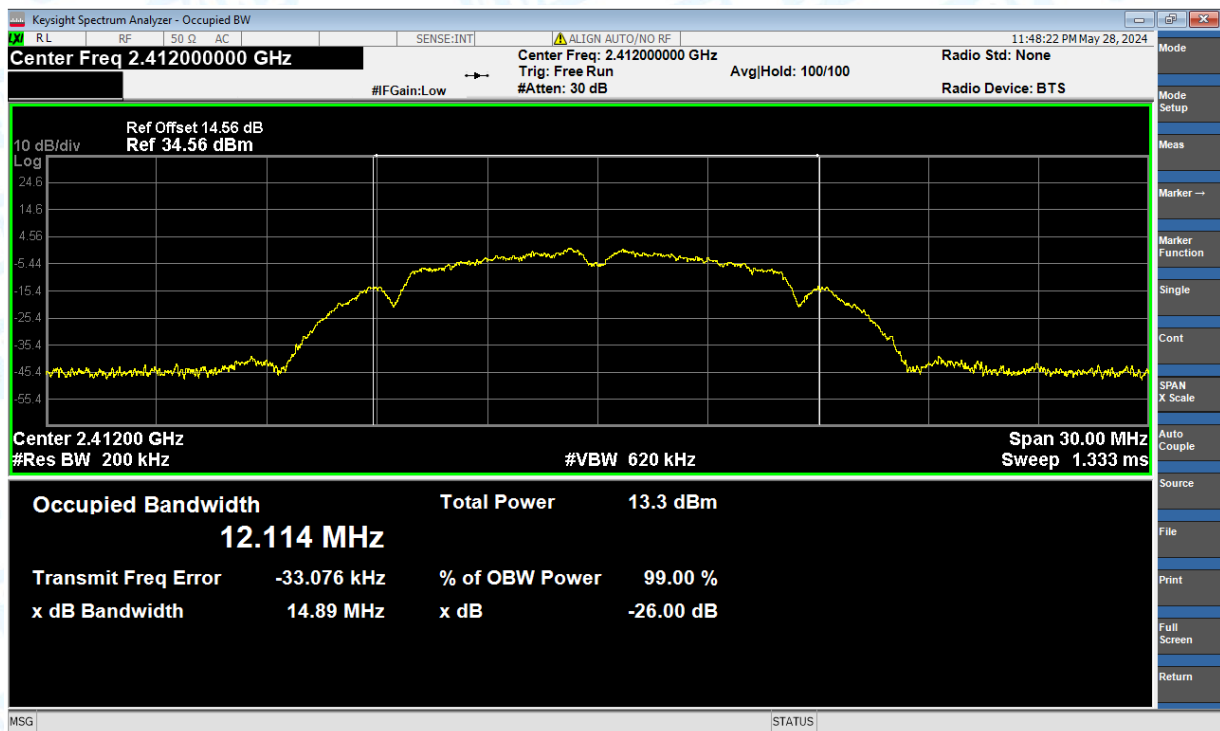
OBW NVNT ax(VHT40) 2437MHz Ant1



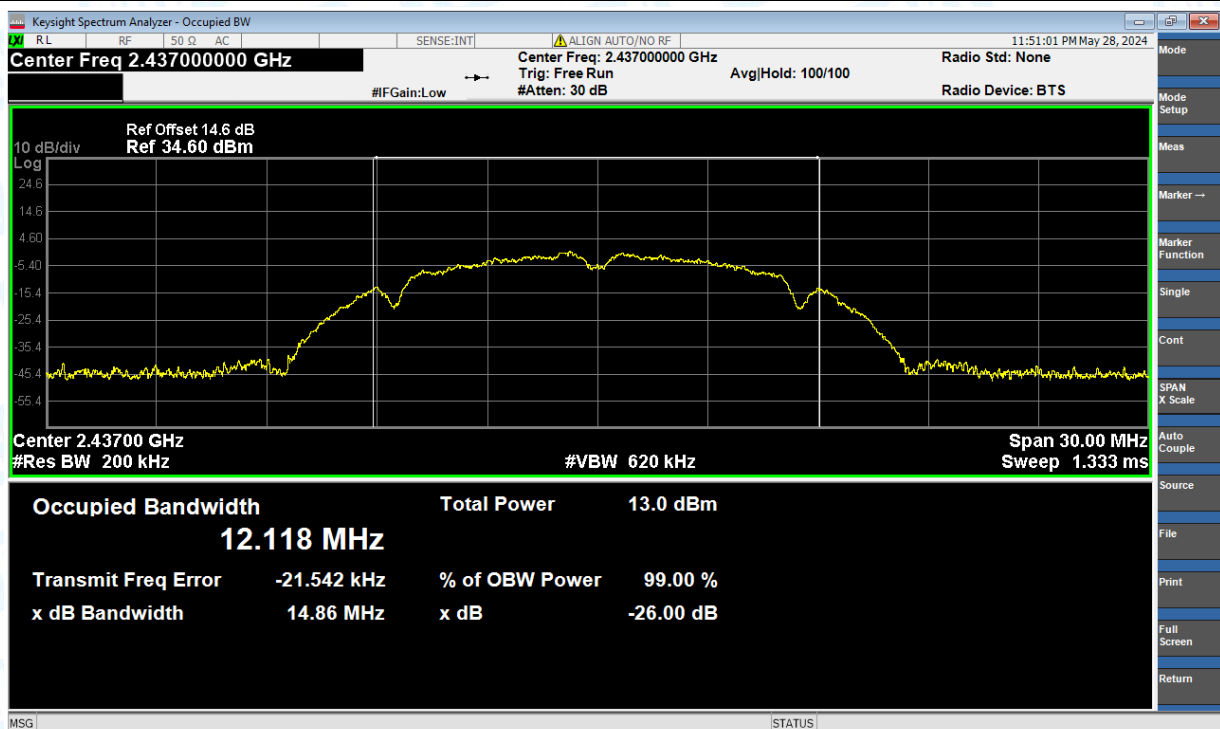
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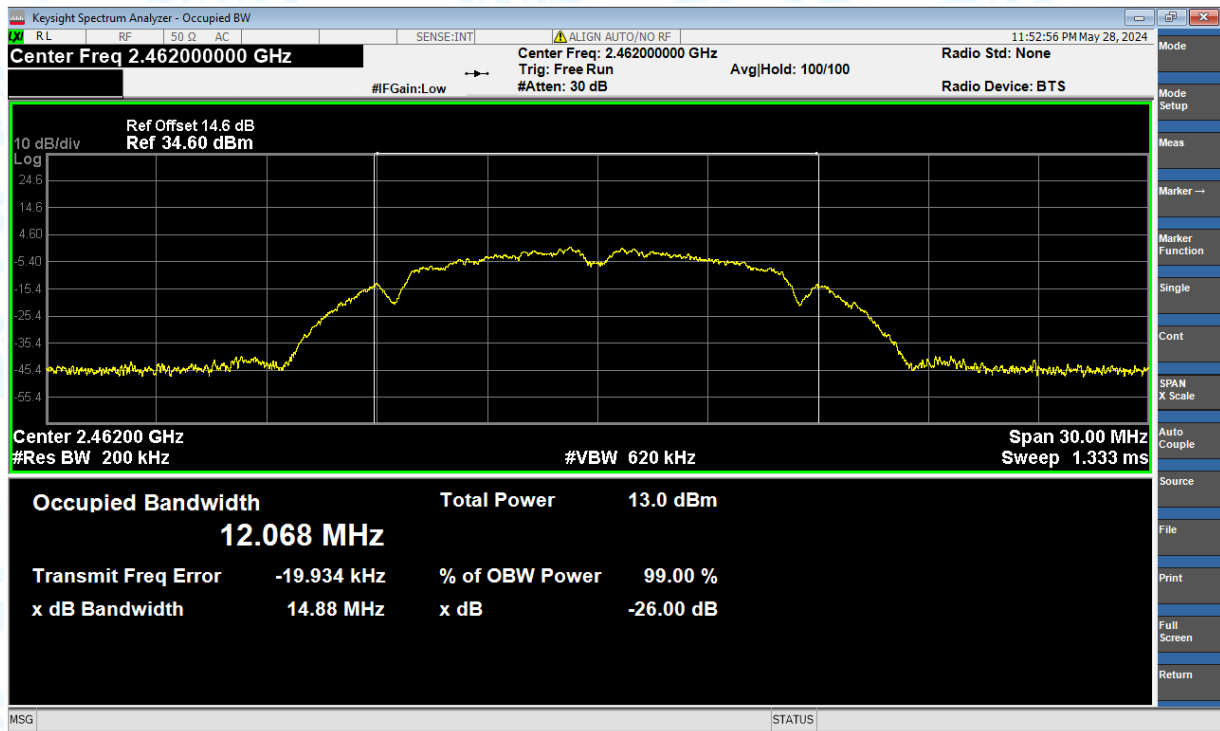
OBW NVNT b 2412MHz Ant1



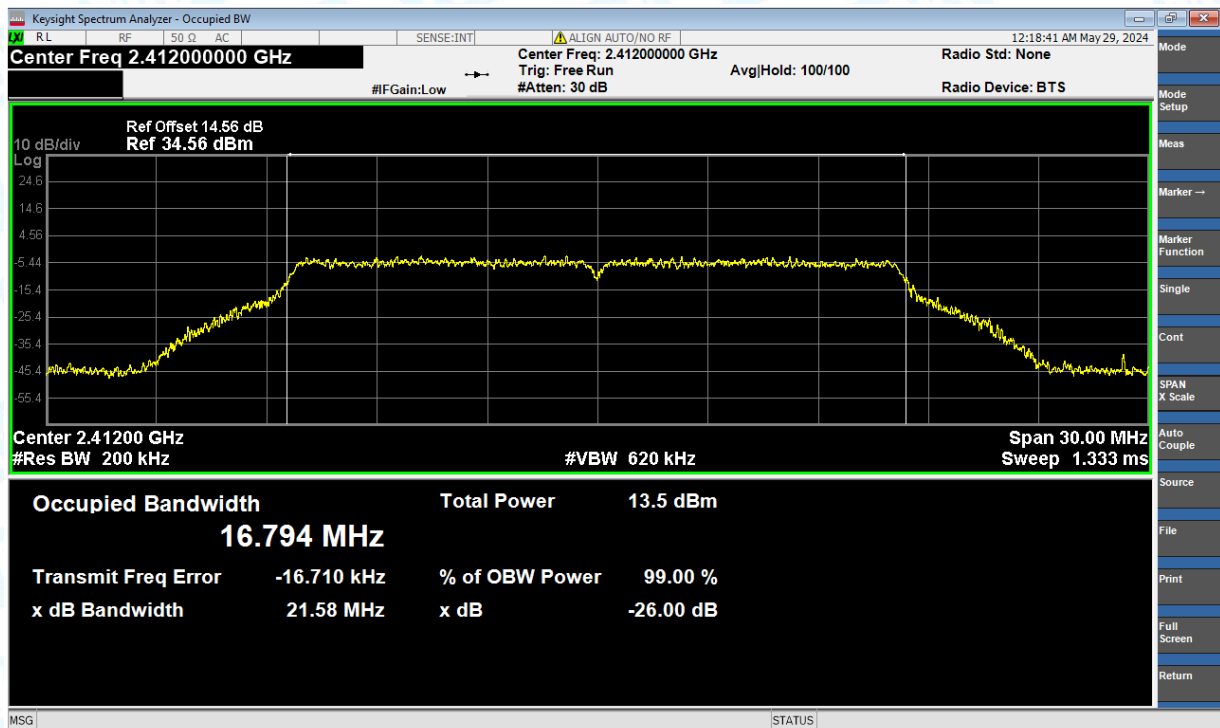
OBW NVNT b 2437MHz Ant1



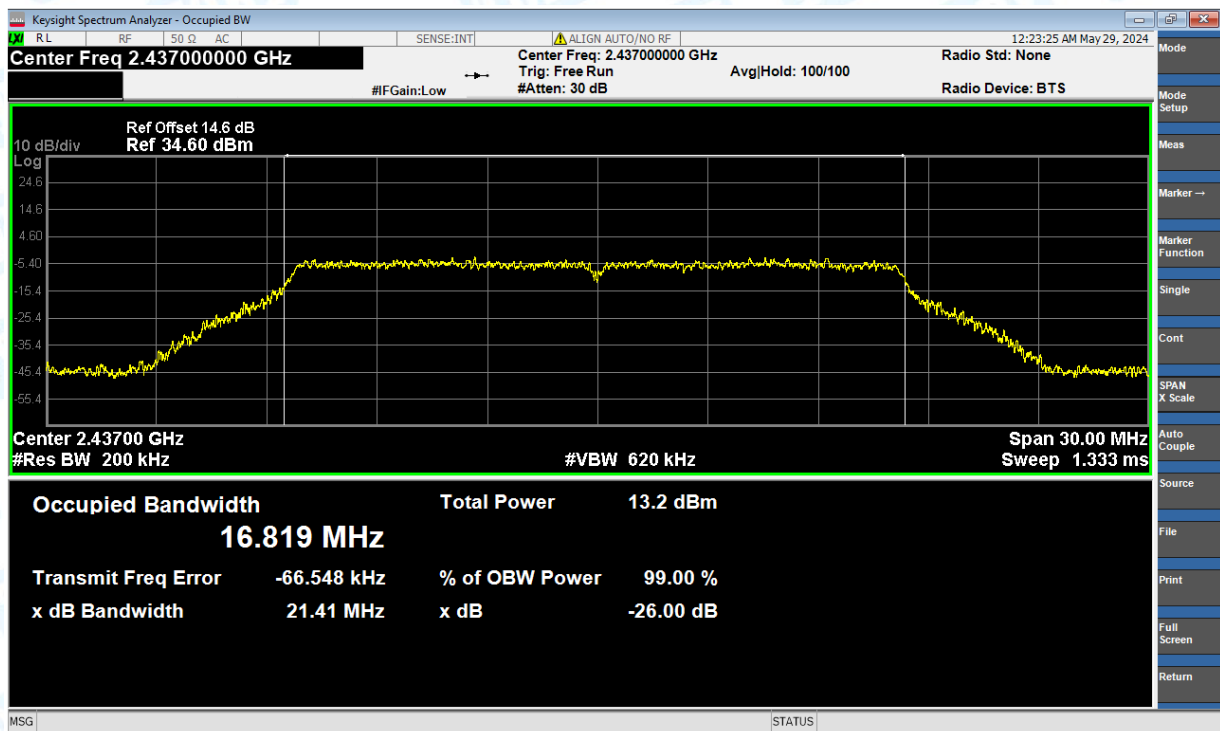
OBW NVNT b 2462MHz Ant1



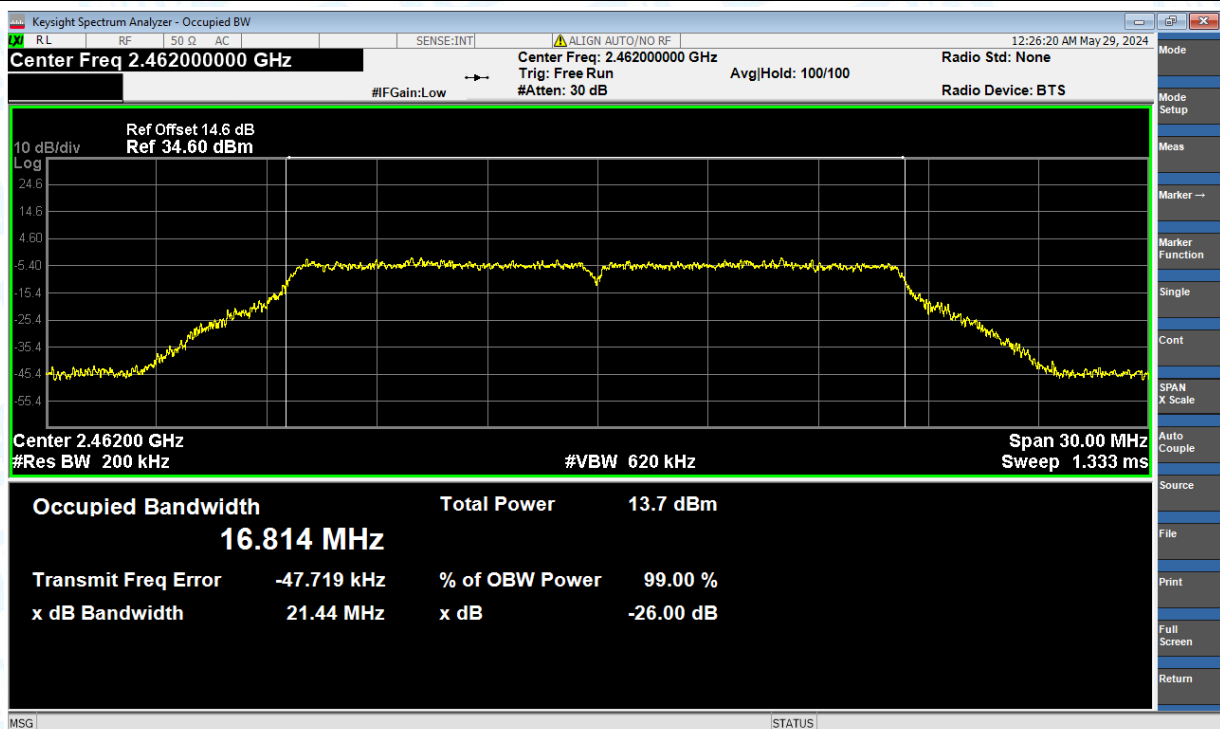
OBW NVNT g 2412MHz Ant1



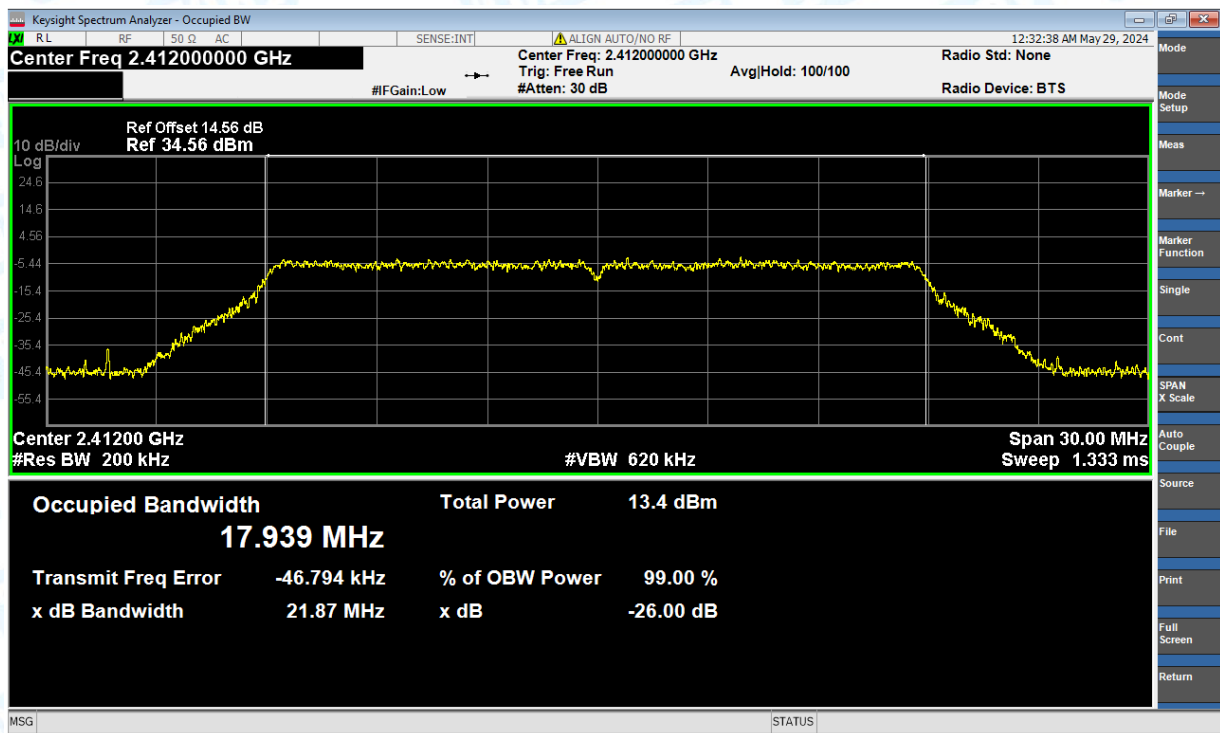
OBW NVNT g 2437MHz Ant1



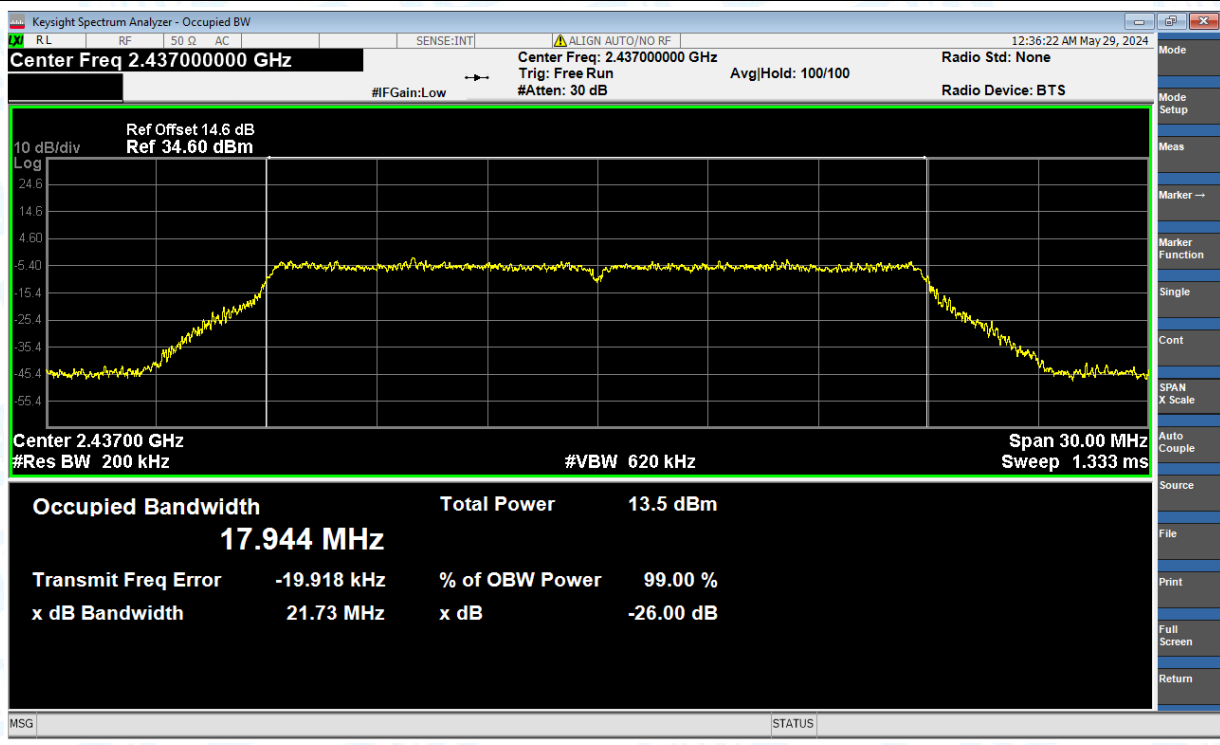
OBW NVNT g 2462MHz Ant1



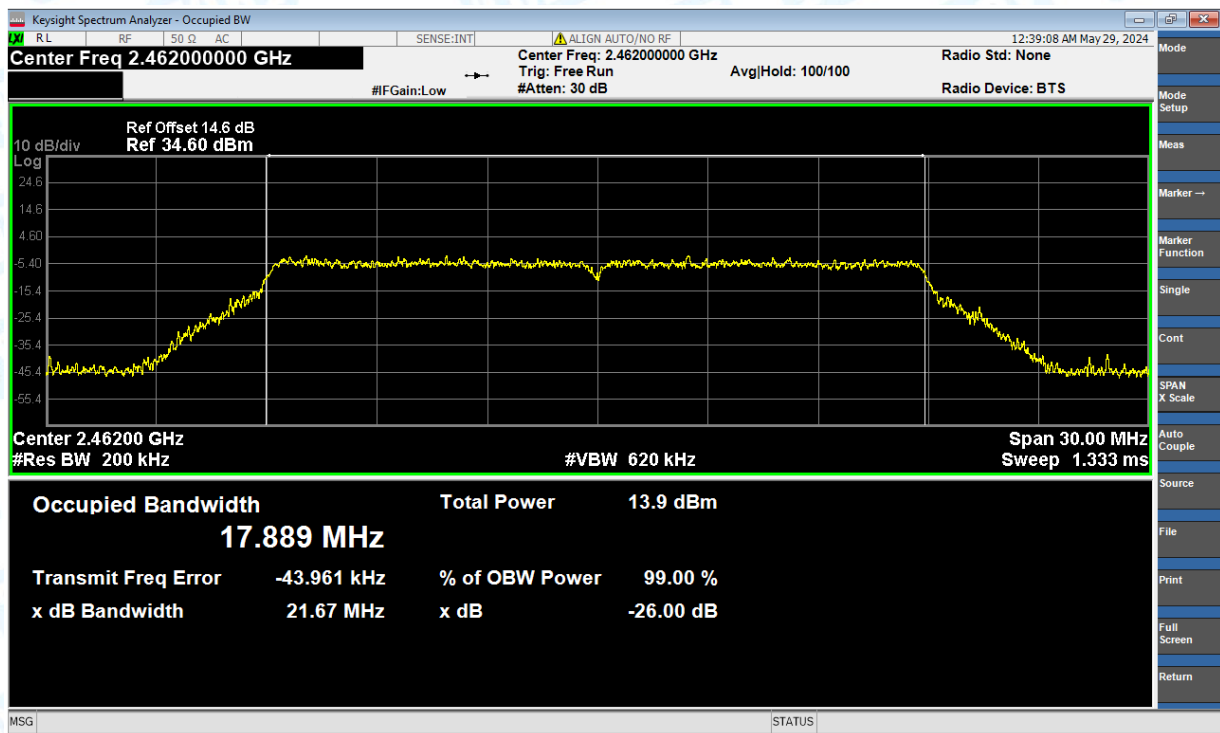
OBW NVNT n(HT20) 2412MHz Ant1



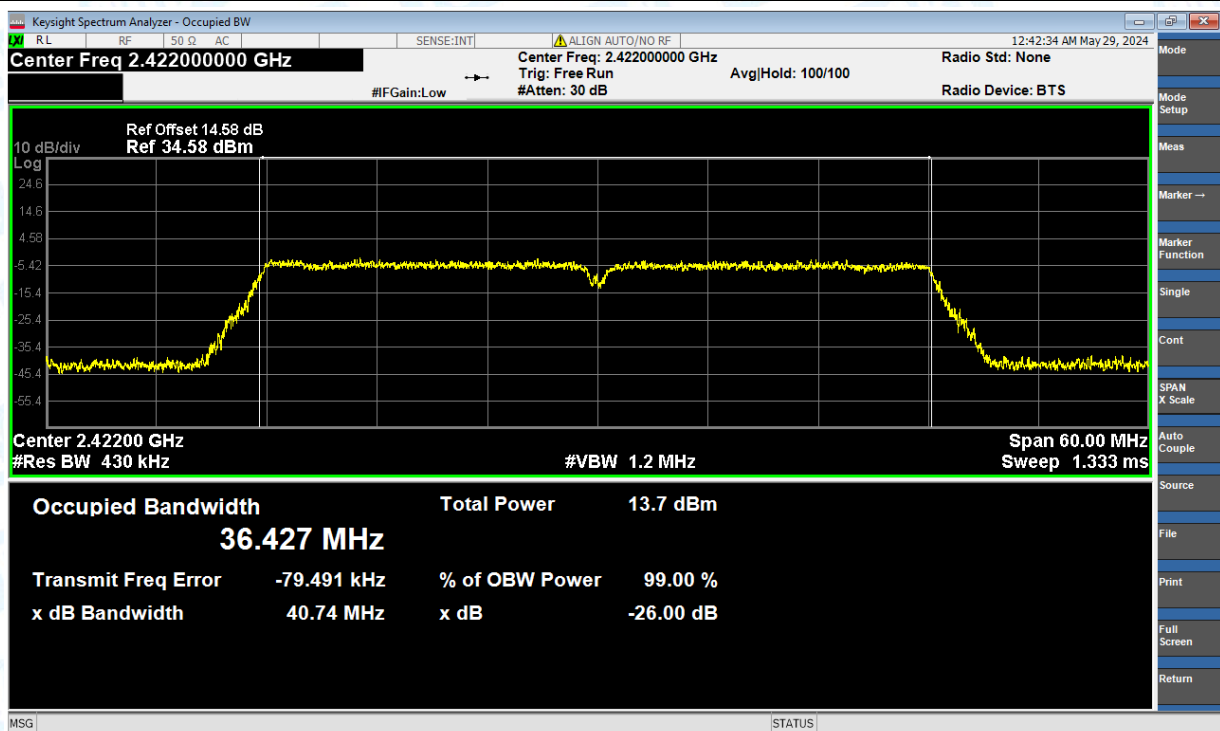
OBW NVNT n(HT20) 2437MHz Ant1



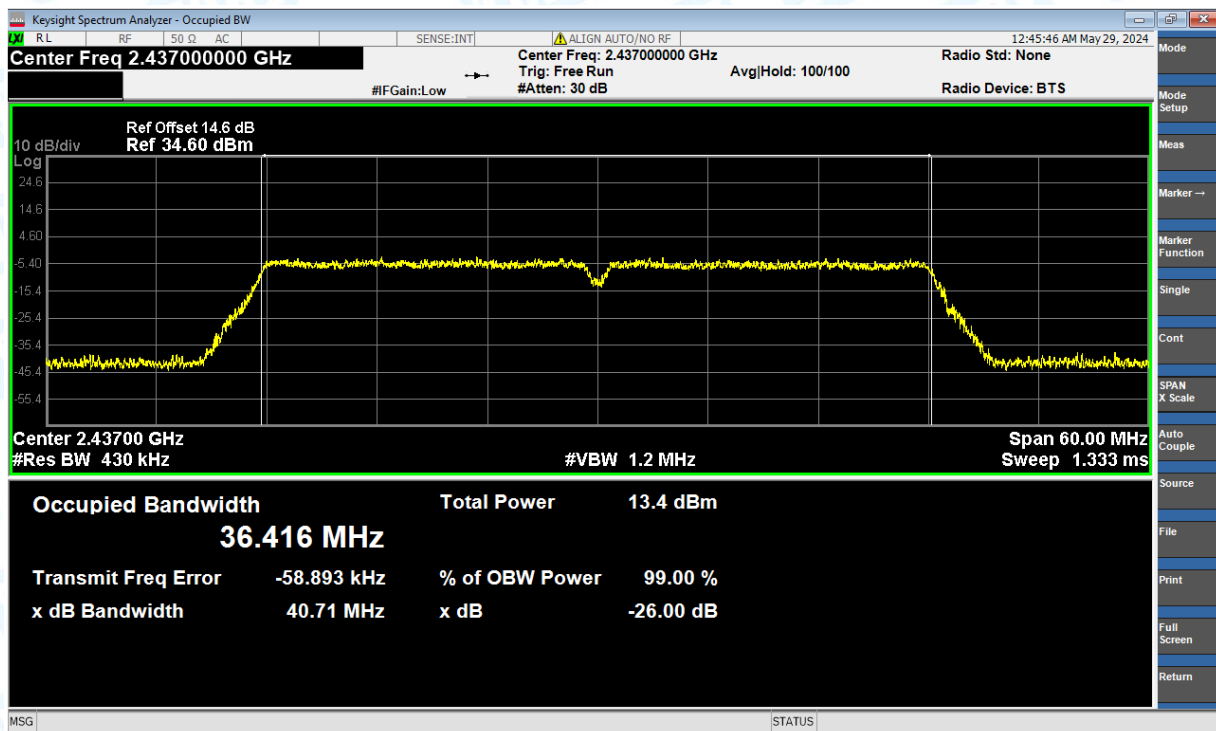
OBW NVNT n(HT20) 2462MHz Ant1



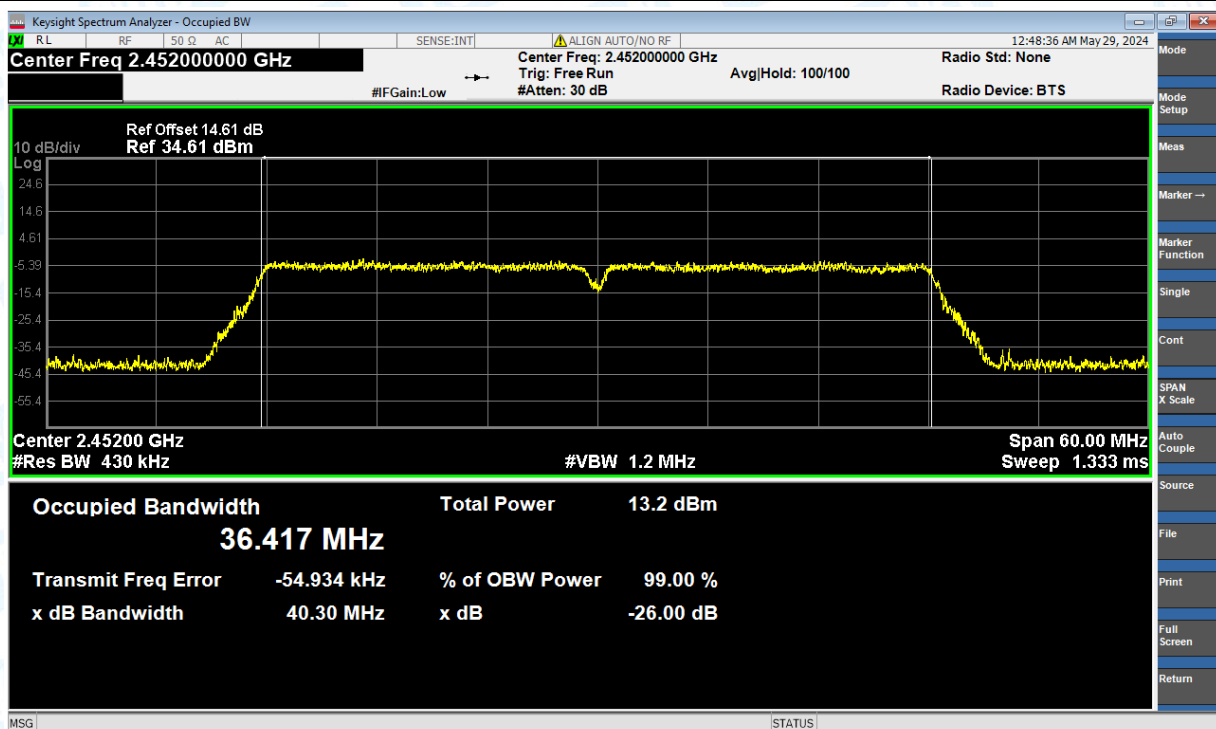
OBW NVNT n(HT40) 2422MHz Ant1



OBW NVNT n(HT40) 2437MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant1



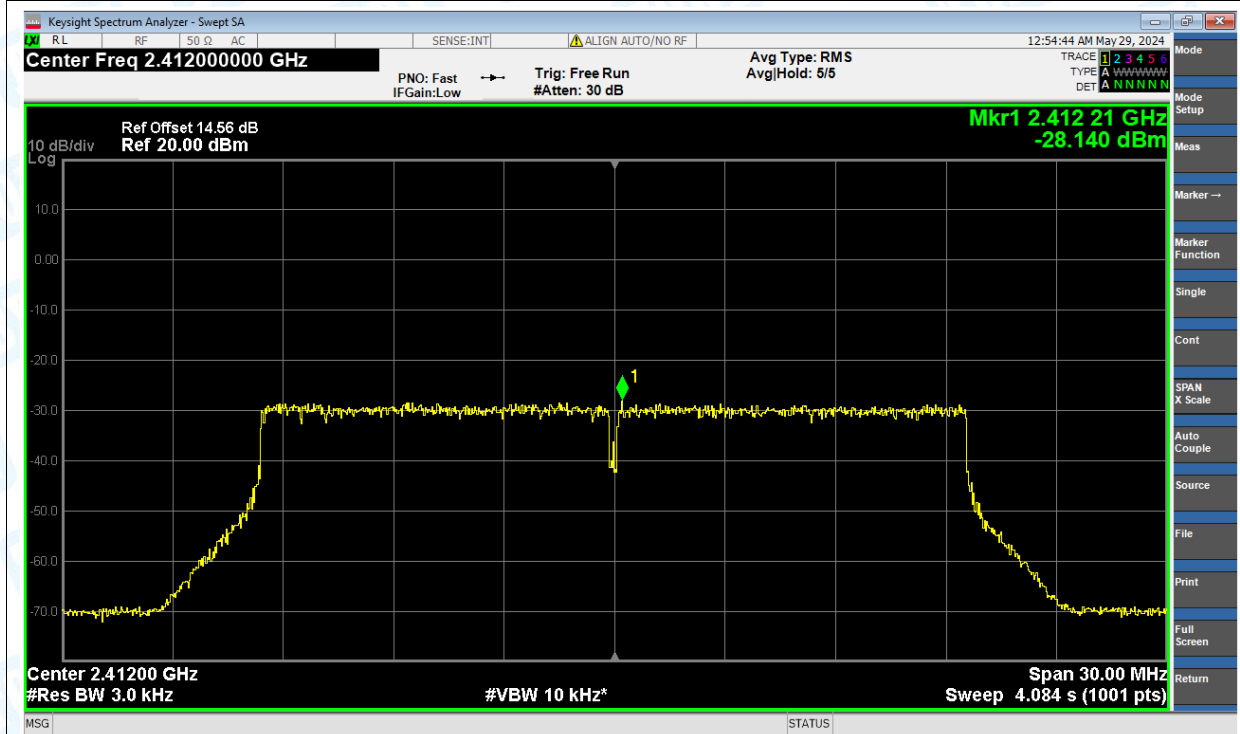
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-28.14	8	Pass
NVNT	ax(VHT20)	2437	Ant1	-28.186	8	Pass
NVNT	ax(VHT20)	2462	Ant1	-28.315	8	Pass
NVNT	ax(VHT40)	2422	Ant1	-31.835	8	Pass
NVNT	ax(VHT40)	2437	Ant1	-32.103	8	Pass
NVNT	ax(VHT40)	2452	Ant1	-32.33	8	Pass
NVNT	b	2412	Ant1	-20.332	8	Pass
NVNT	b	2437	Ant1	-20.82	8	Pass
NVNT	b	2462	Ant1	-21.257	8	Pass
NVNT	g	2412	Ant1	-27.141	8	Pass
NVNT	g	2437	Ant1	-27.197	8	Pass
NVNT	g	2462	Ant1	-26.458	8	Pass
NVNT	n(HT20)	2412	Ant1	-27.125	8	Pass
NVNT	n(HT20)	2437	Ant1	-26.673	8	Pass
NVNT	n(HT20)	2462	Ant1	-26.782	8	Pass
NVNT	n(HT40)	2422	Ant1	-30.325	8	Pass
NVNT	n(HT40)	2437	Ant1	-30.227	8	Pass
NVNT	n(HT40)	2452	Ant1	-30.803	8	Pass

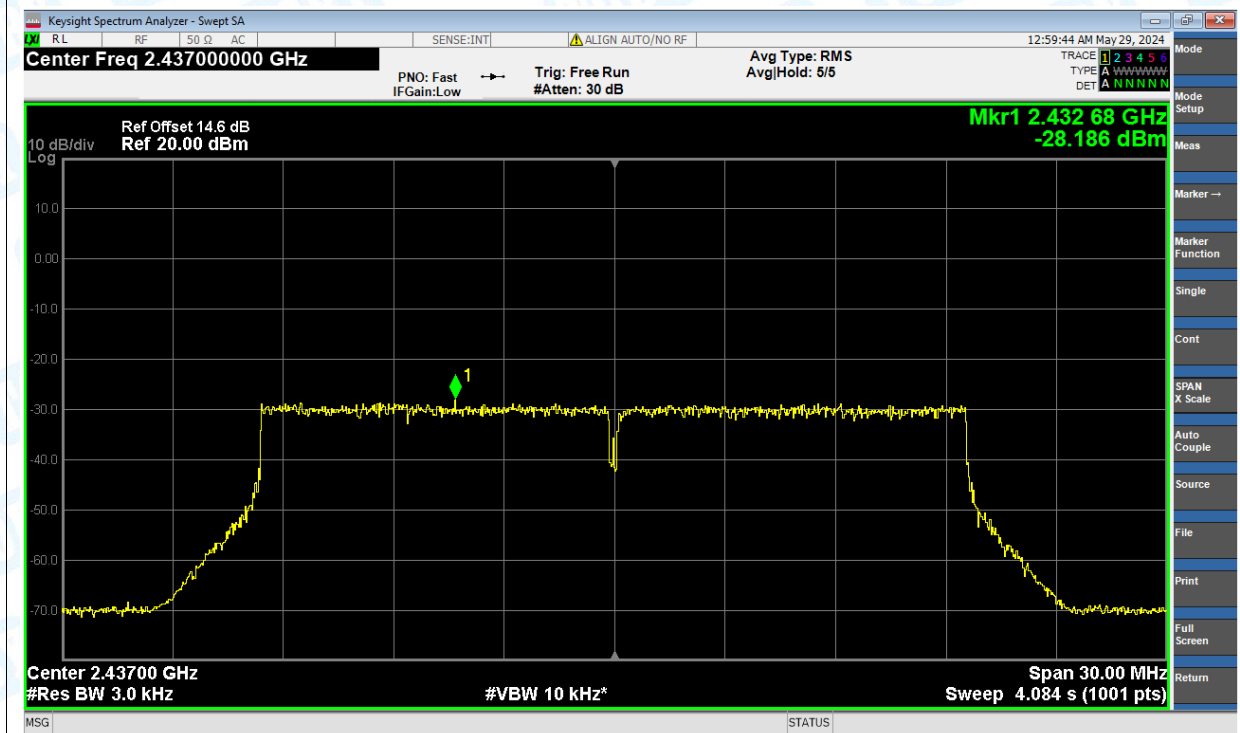
Note: The duty factor has been compensated into the result.

Test Graphs

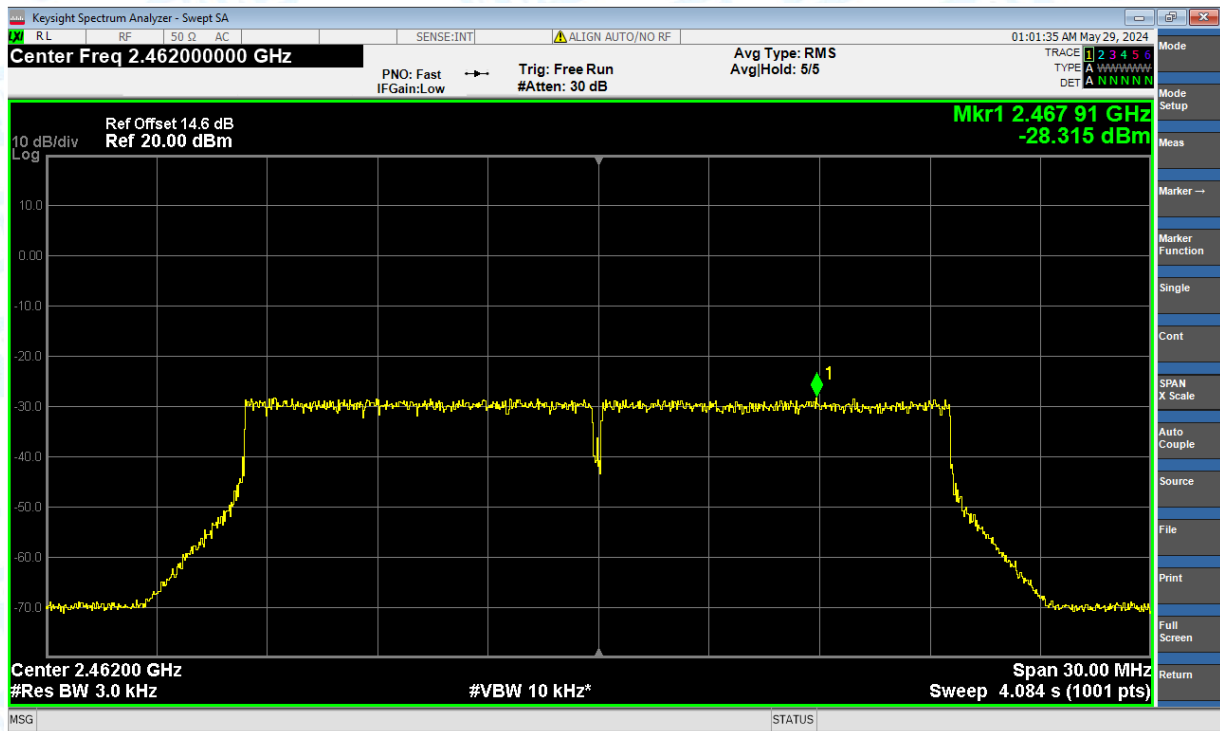
PSD NVNT ax(VHT20) 2412MHz Ant1



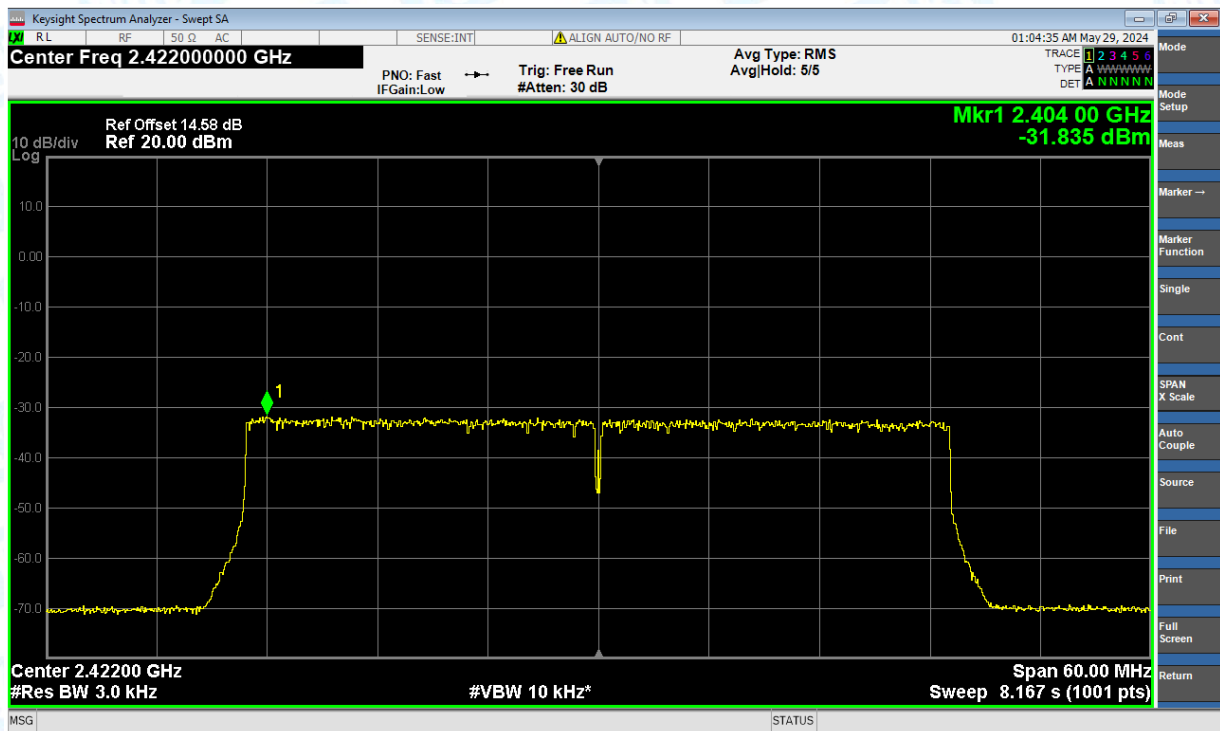
PSD NVNT ax(VHT20) 2437MHz Ant1



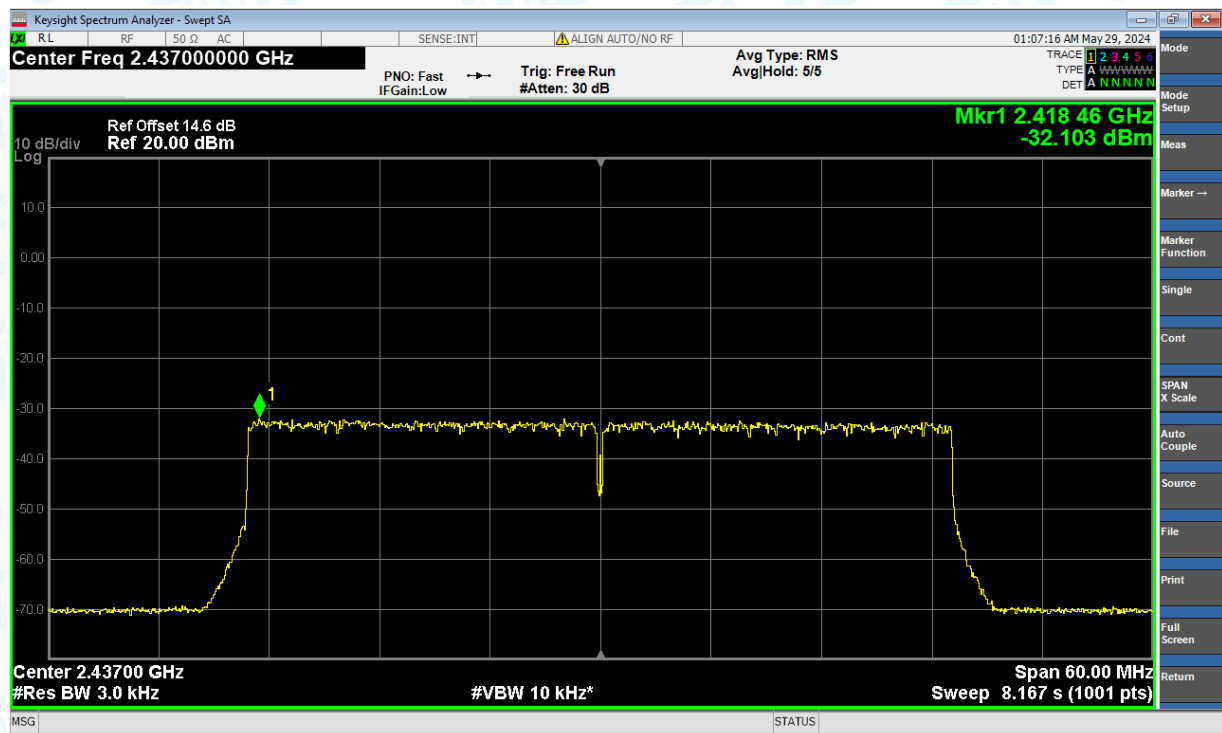
PSD NVNT ax(VHT20) 2462MHz Ant1



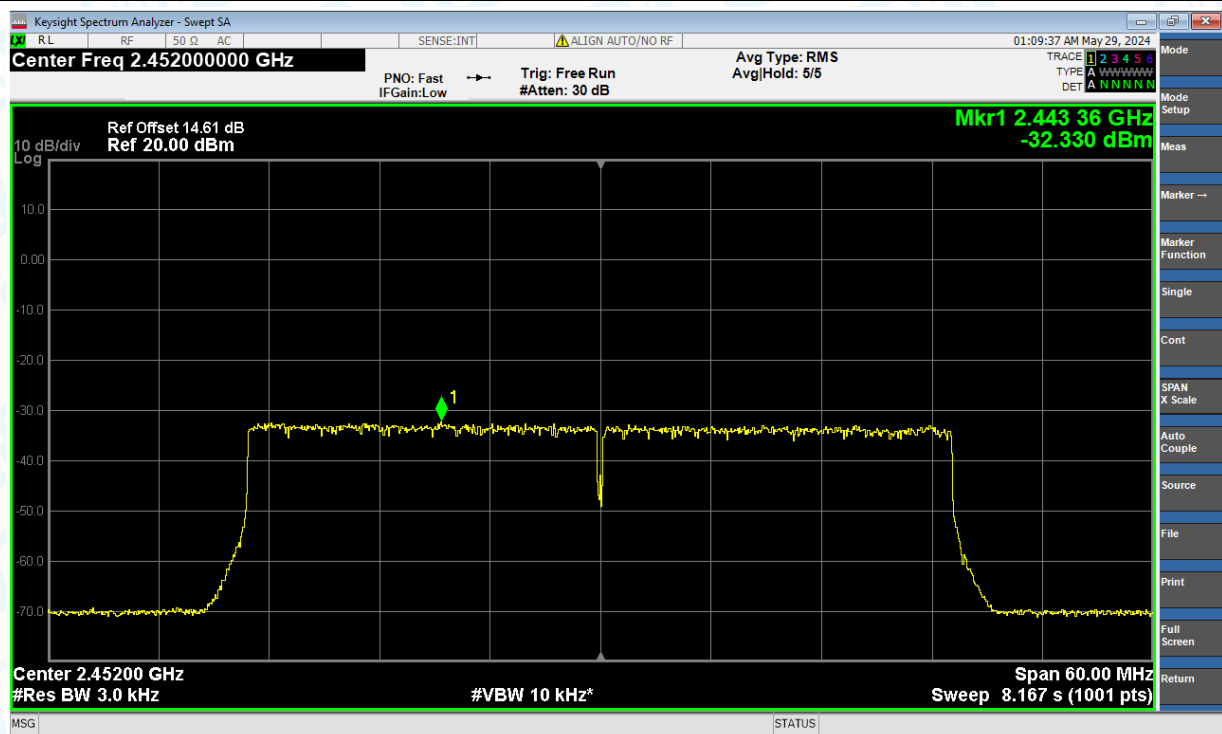
PSD NVNT ax(VHT40) 2422MHz Ant1



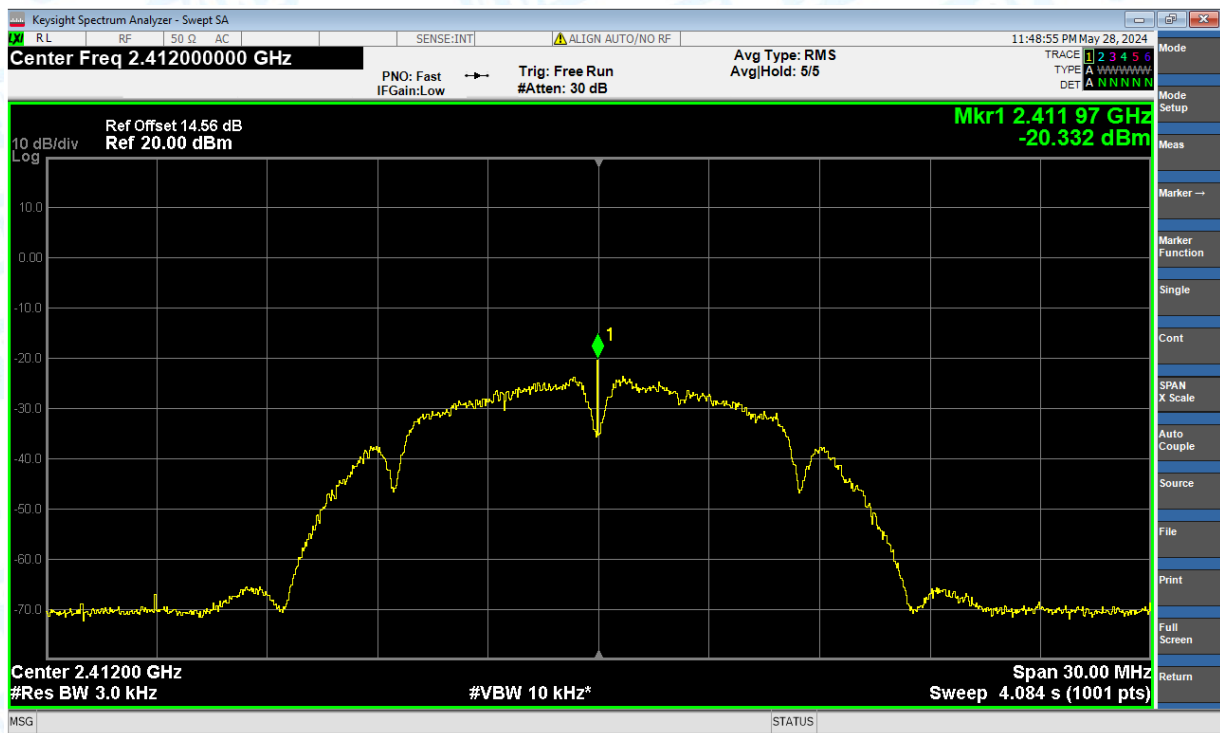
PSD NVNT ax(VHT40) 2437MHz Ant1



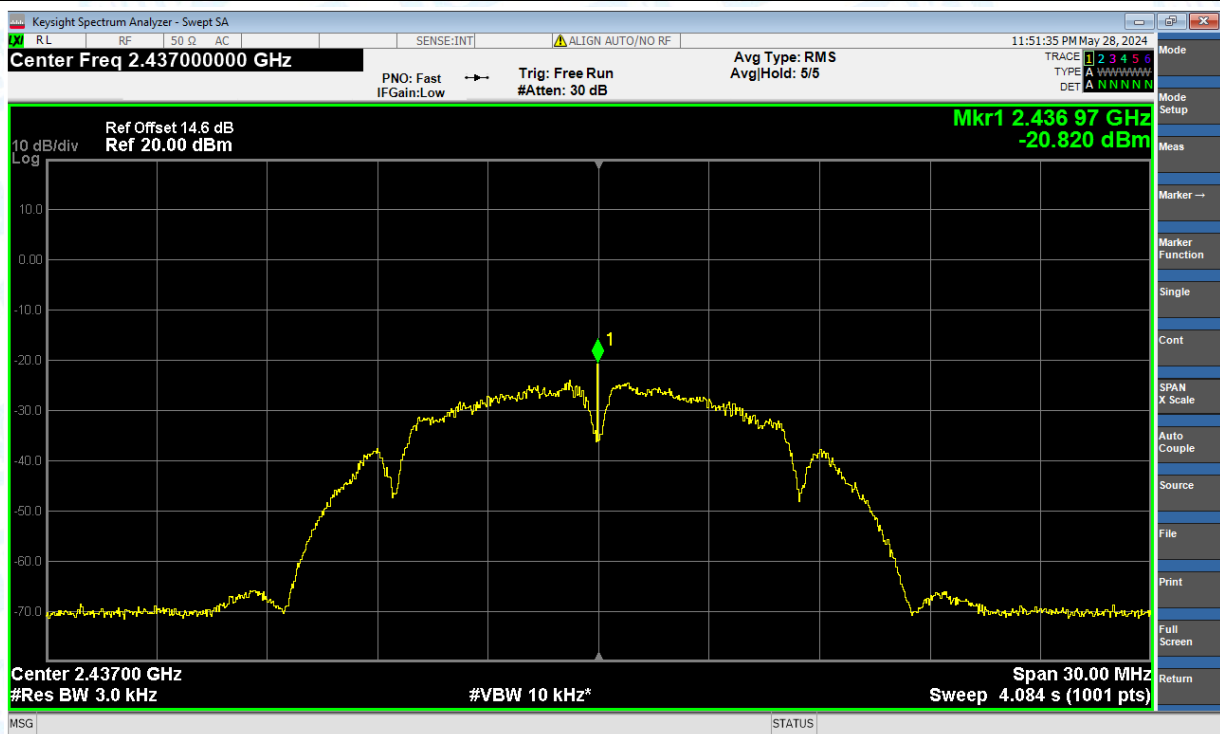
PSD NVNT ax(VHT40) 2452MHz Ant1



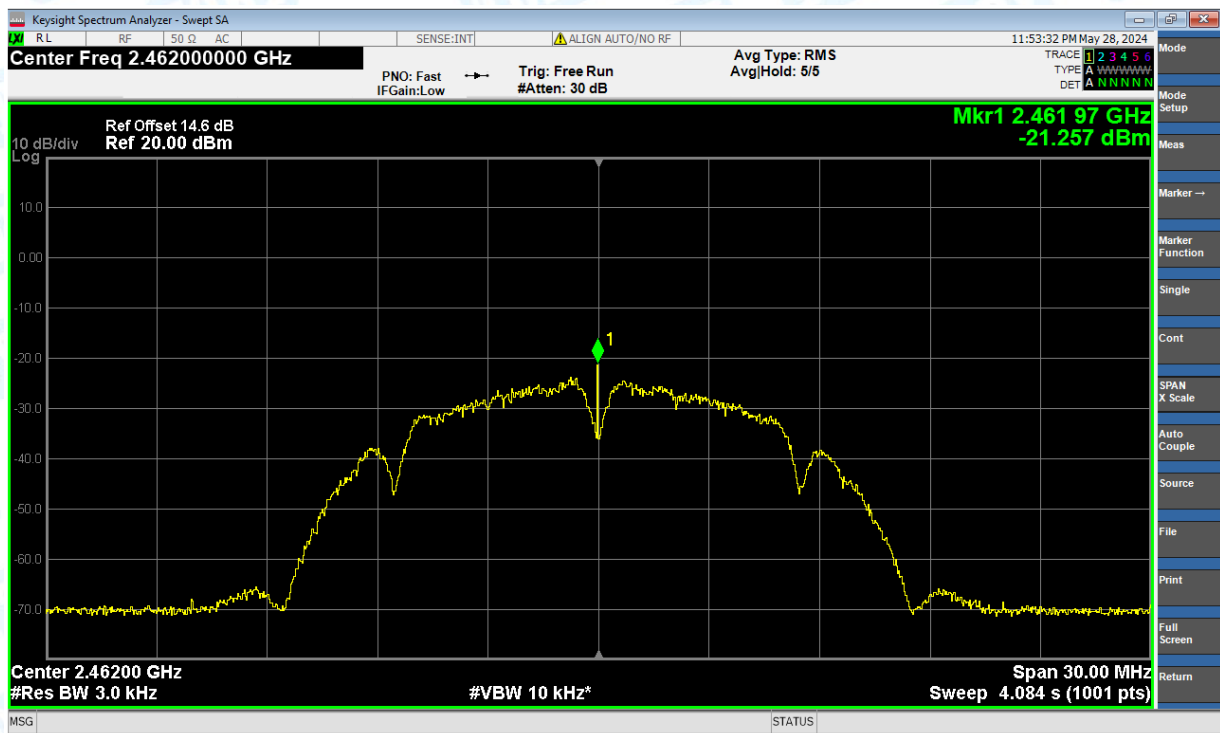
PSD NVNT b 2412MHz Ant1



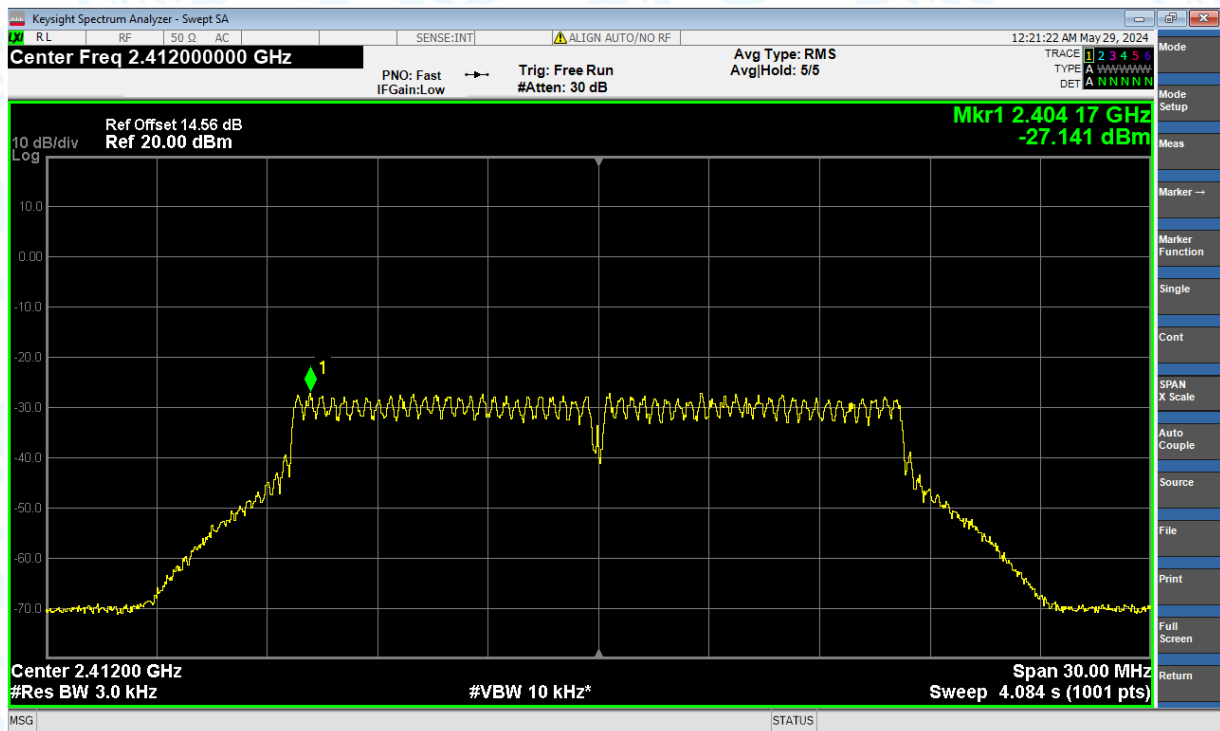
PSD NVNT b 2437MHz Ant1



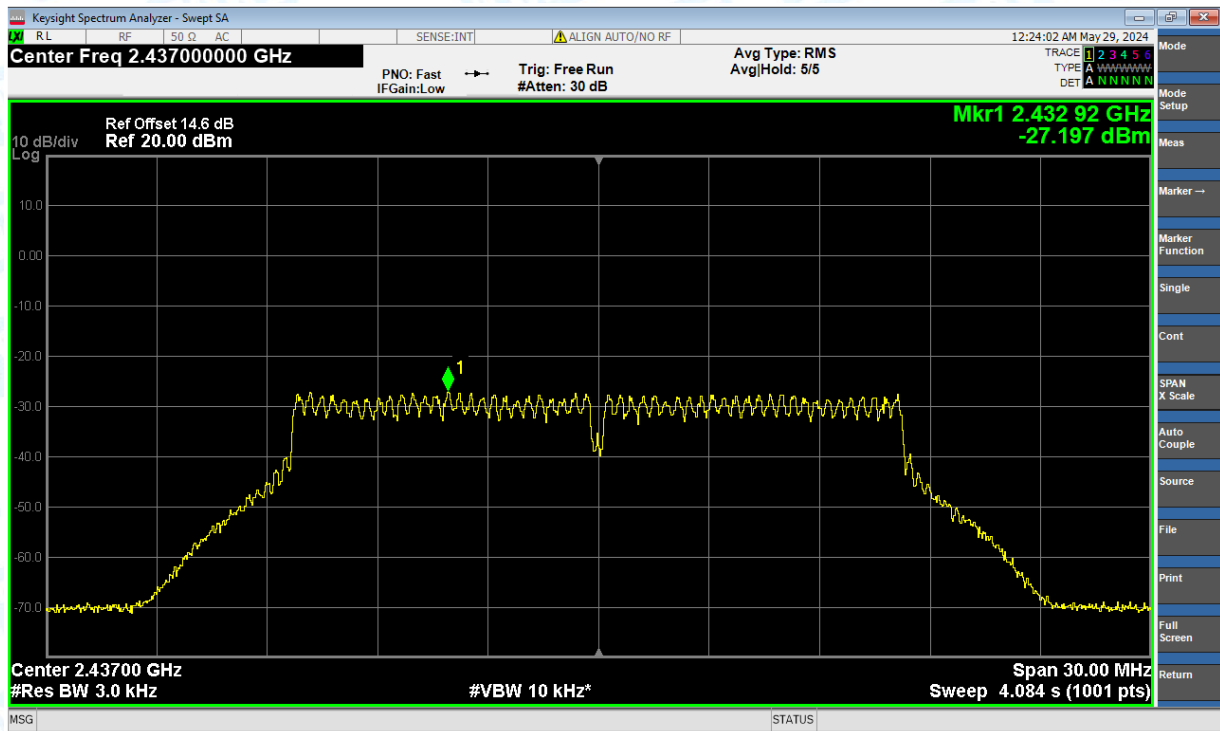
PSD NVNT b 2462MHz Ant1



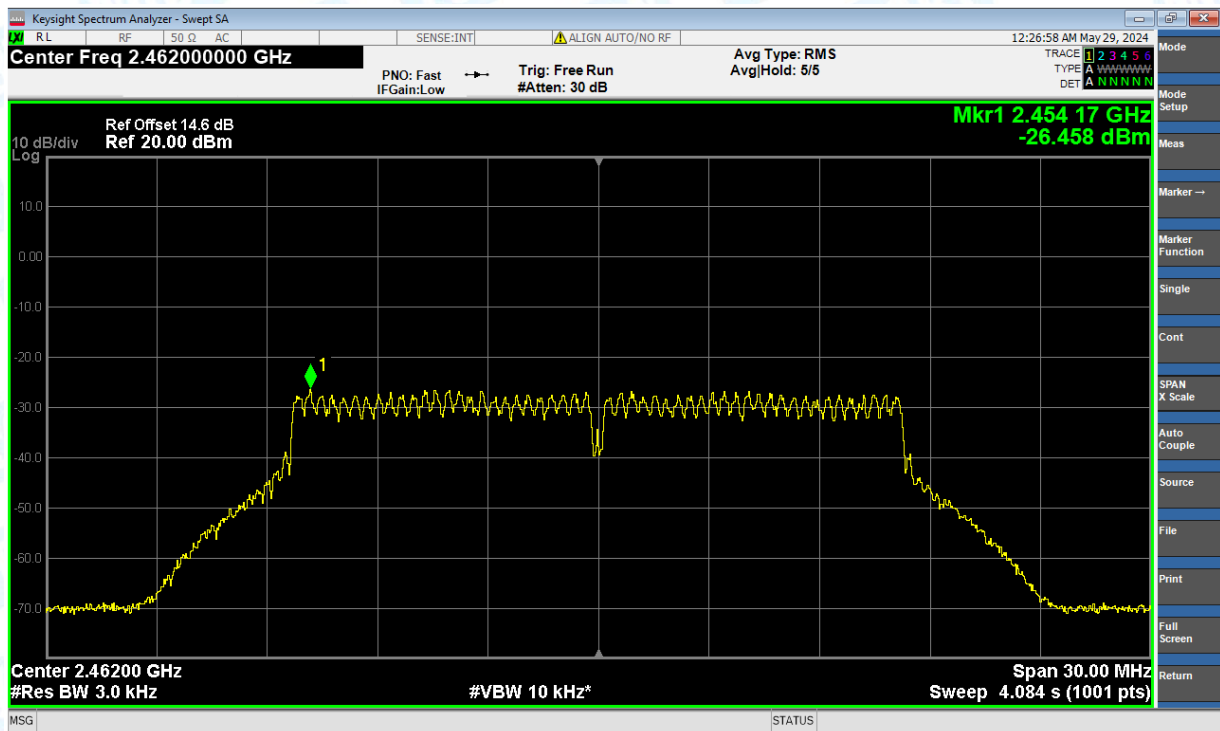
PSD NVNT g 2412MHz Ant1



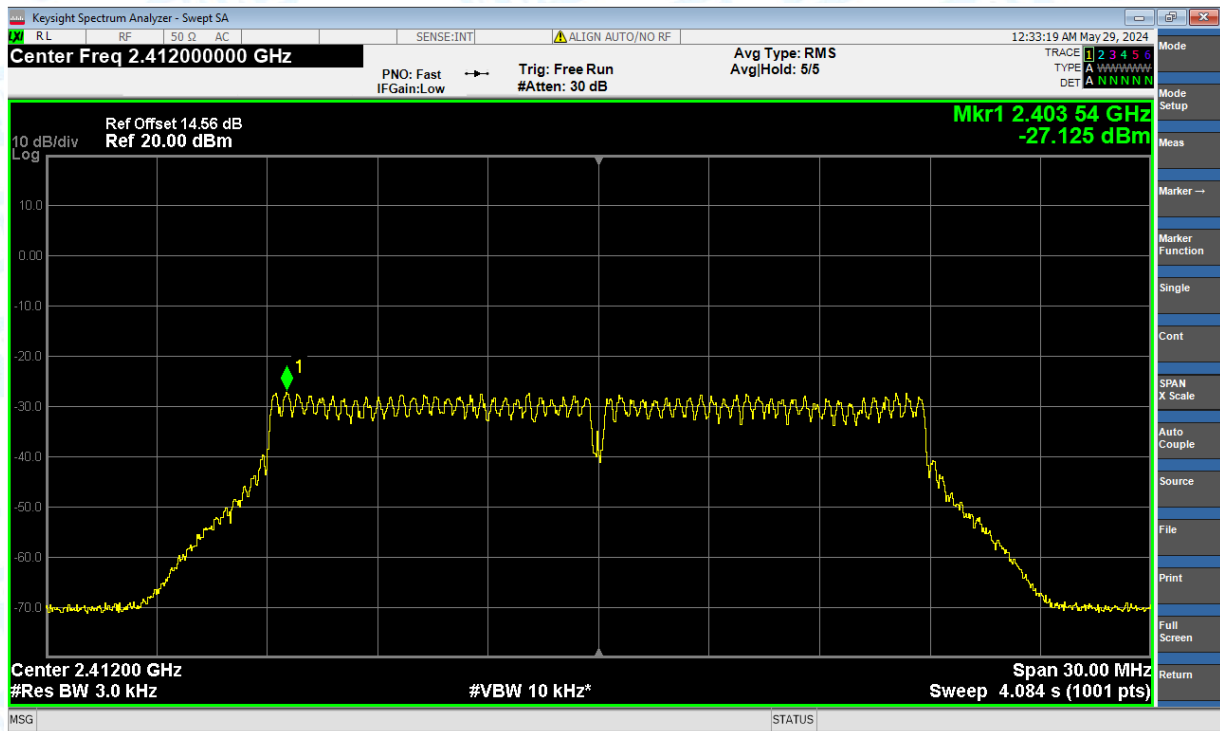
PSD NVNT g 2437MHz Ant1



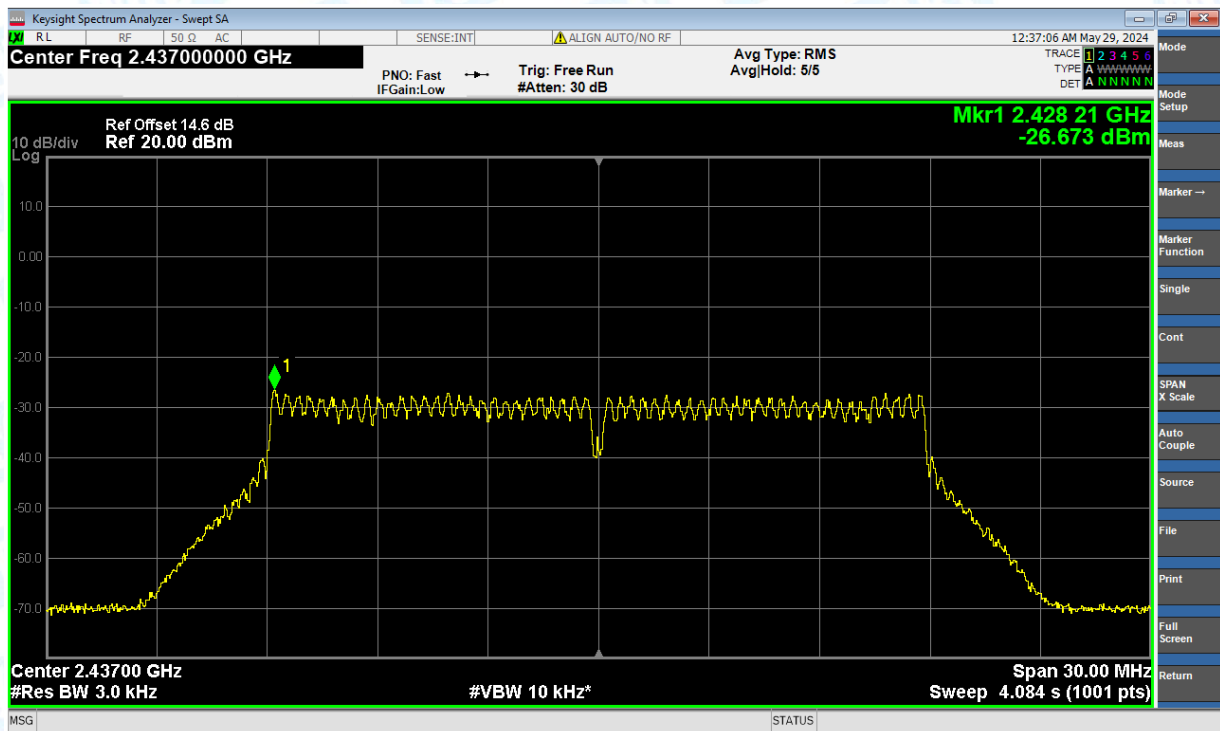
PSD NVNT g 2462MHz Ant1



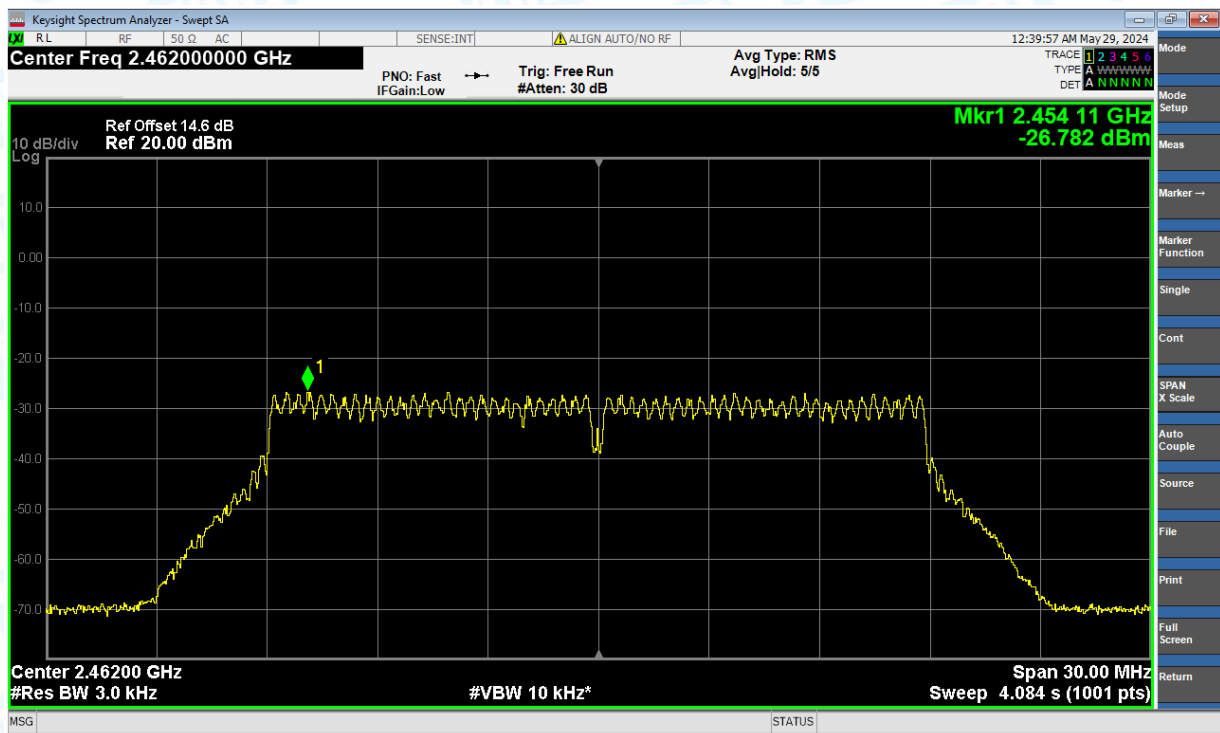
PSD NVNT n(HT20) 2412MHz Ant1



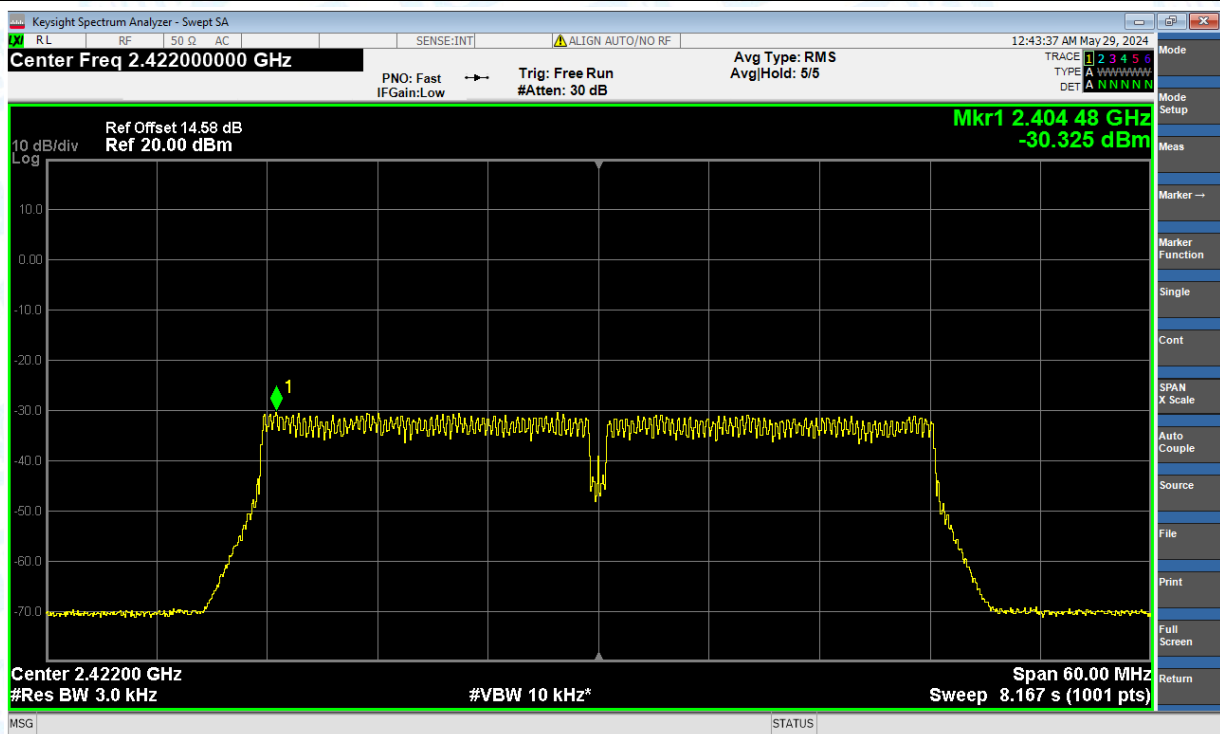
PSD NVNT n(HT20) 2437MHz Ant1



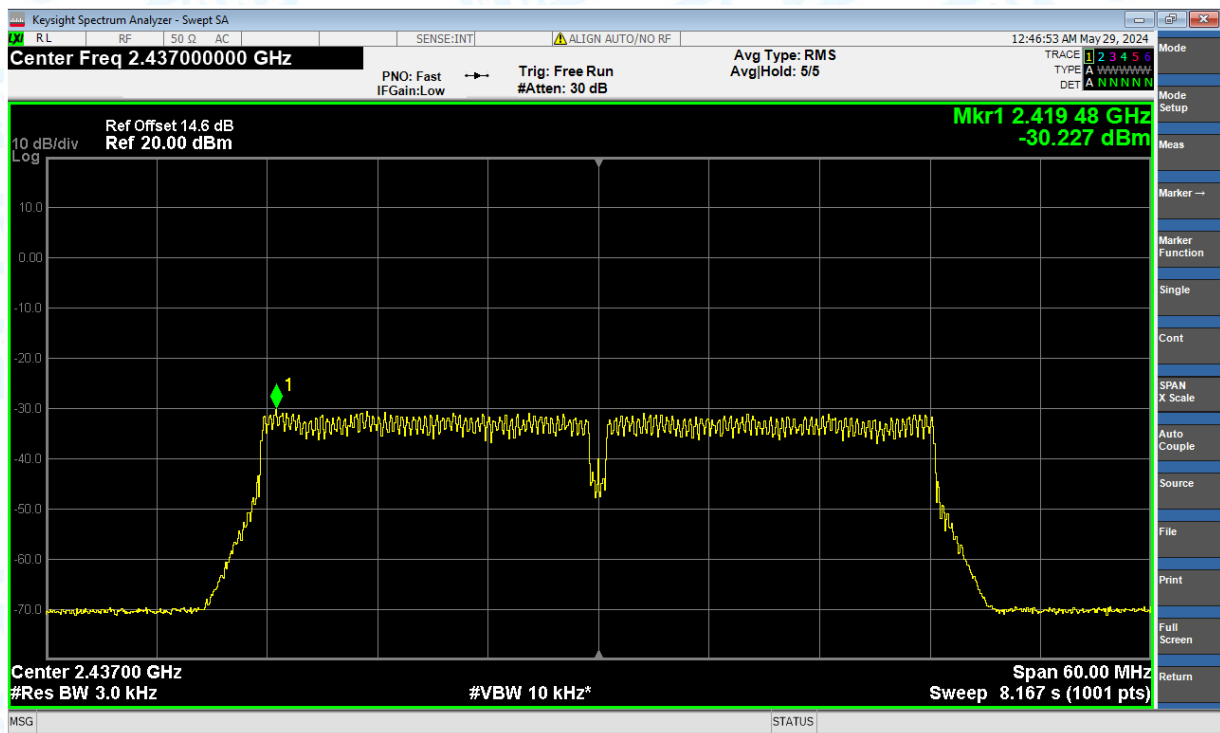
PSD NVNT n(HT20) 2462MHz Ant1



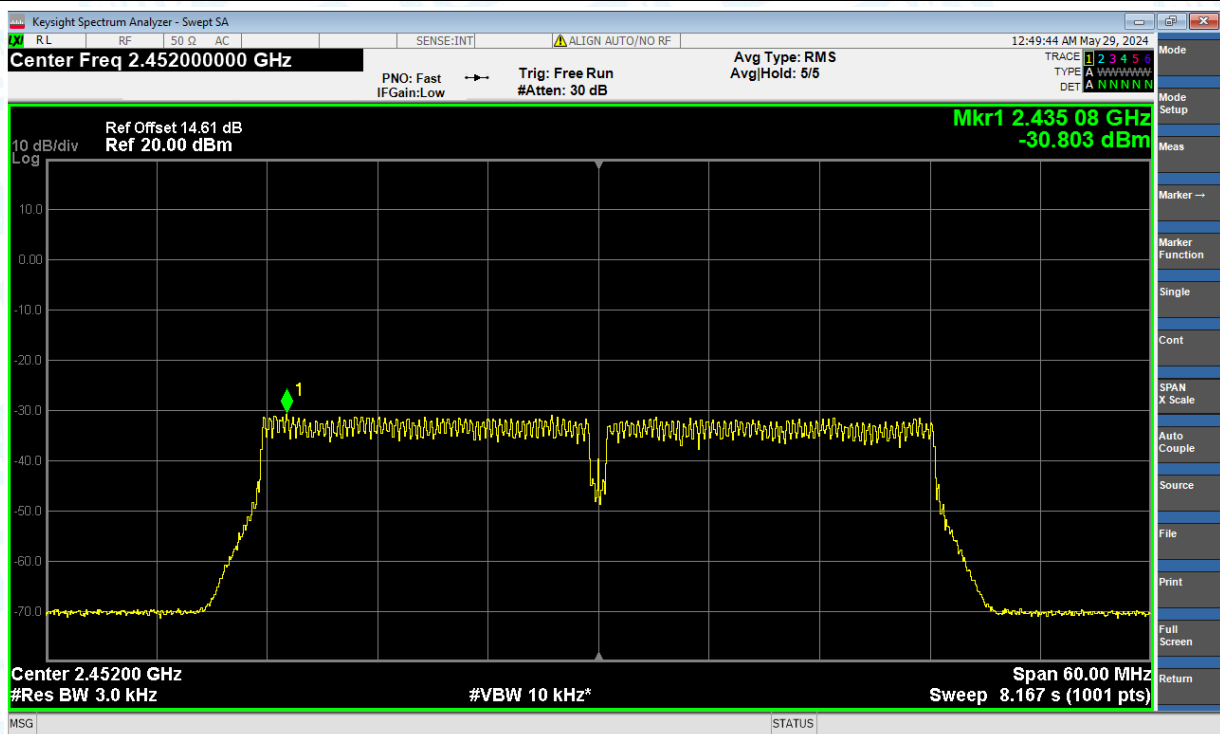
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant1



6. Band Edge

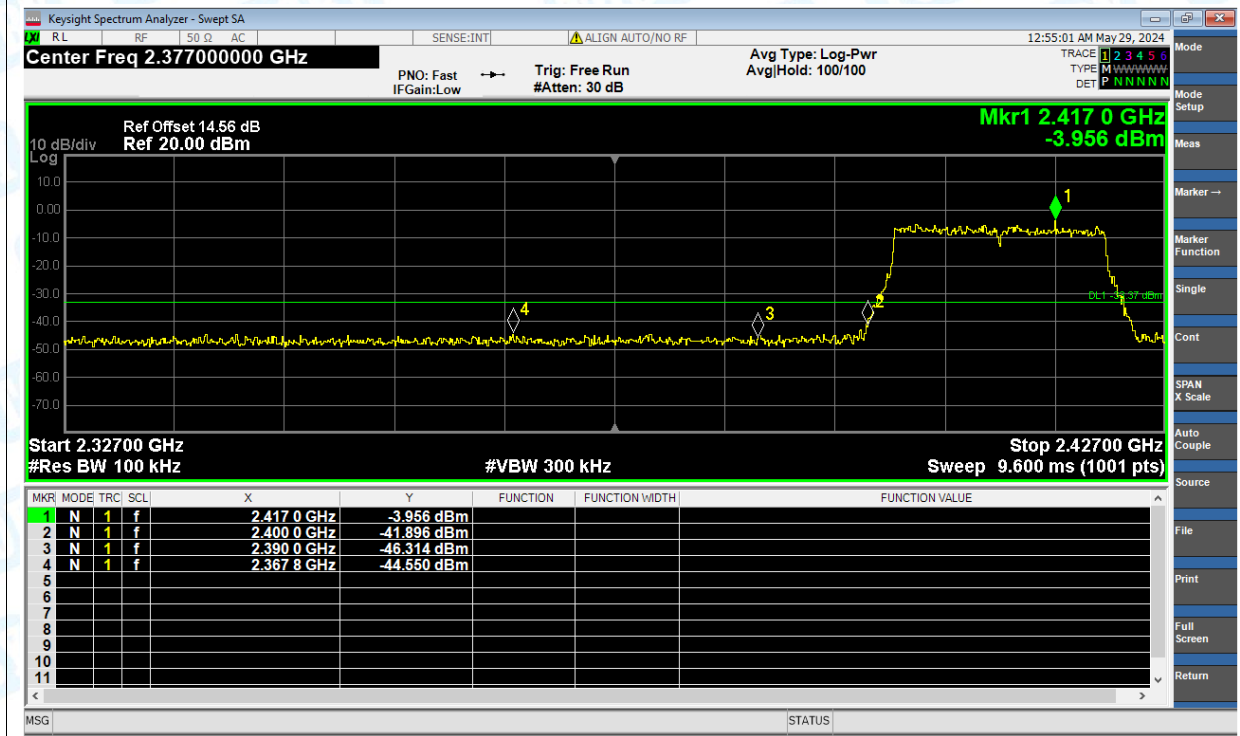
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-41.18	-30	Pass
NVNT	ax(VHT20)	2462	Ant1	-38.97	-30	Pass
NVNT	ax(VHT40)	2422	Ant1	-37.51	-30	Pass
NVNT	ax(VHT40)	2452	Ant1	-37.03	-30	Pass
NVNT	b	2412	Ant1	-43.39	-30	Pass
NVNT	b	2462	Ant1	-43.7	-30	Pass
NVNT	g	2412	Ant1	-40.25	-30	Pass
NVNT	g	2462	Ant1	-40.58	-30	Pass
NVNT	n(HT20)	2412	Ant1	-40.34	-30	Pass
NVNT	n(HT20)	2462	Ant1	-41.26	-30	Pass
NVNT	n(HT40)	2422	Ant1	-37.2	-30	Pass
NVNT	n(HT40)	2452	Ant1	-37.39	-30	Pass

Test Graphs

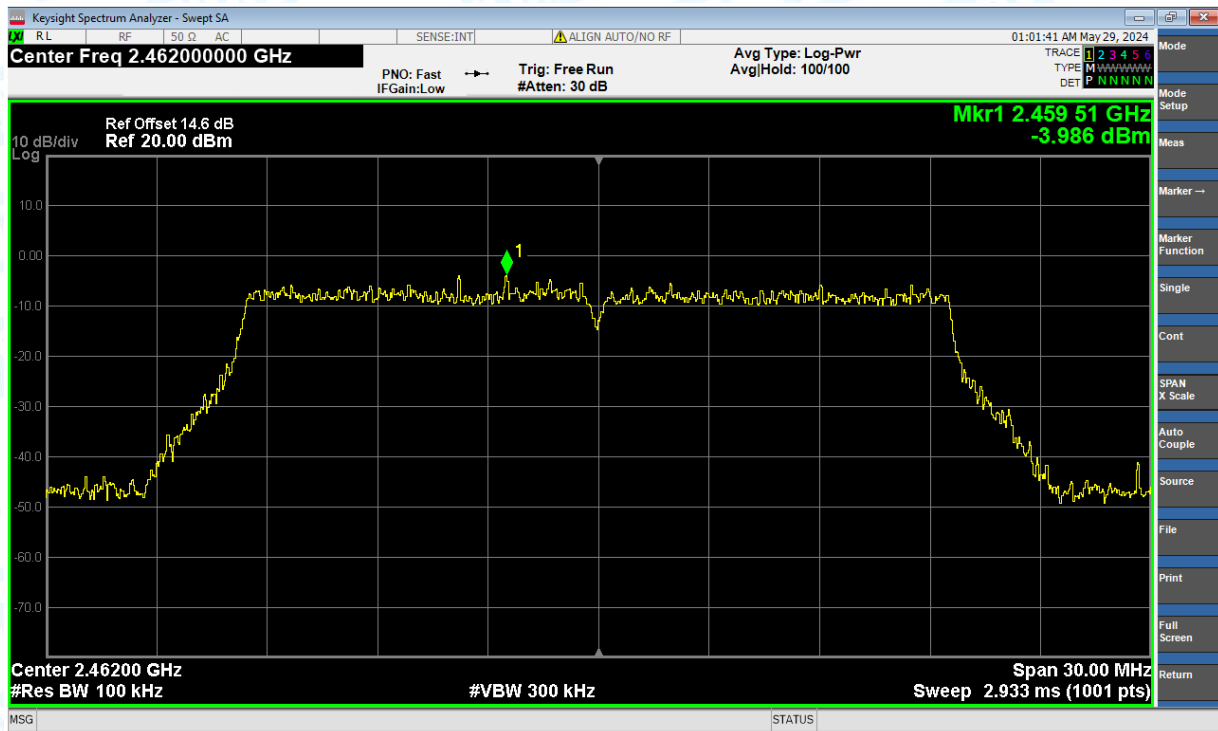
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Ref



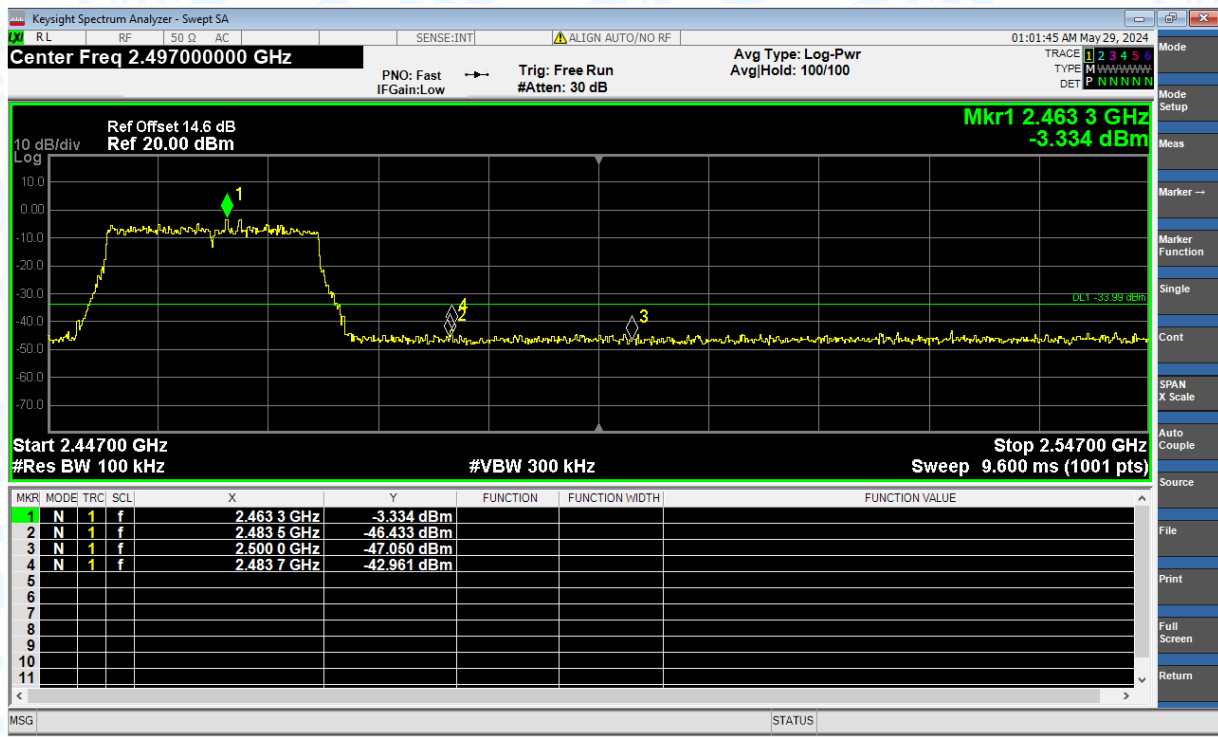
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Emission



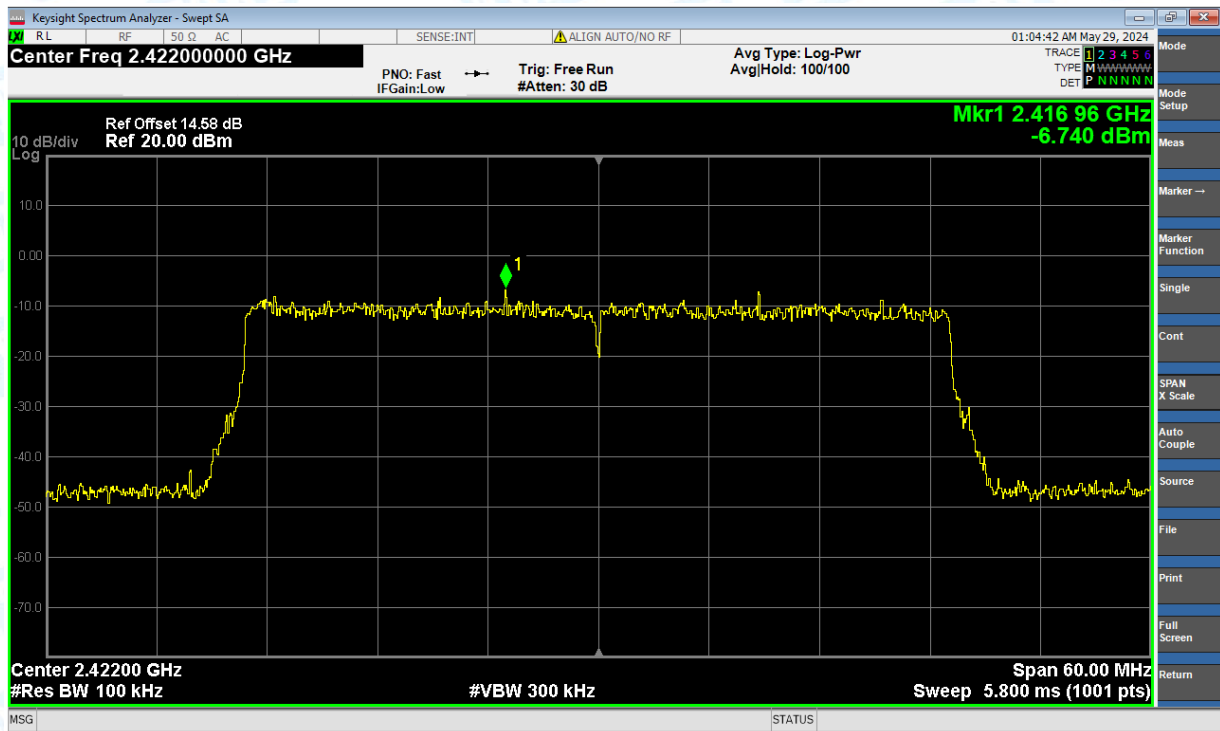
Band Edge NVNT ax(VHT20) 2462MHz Ant1 Ref



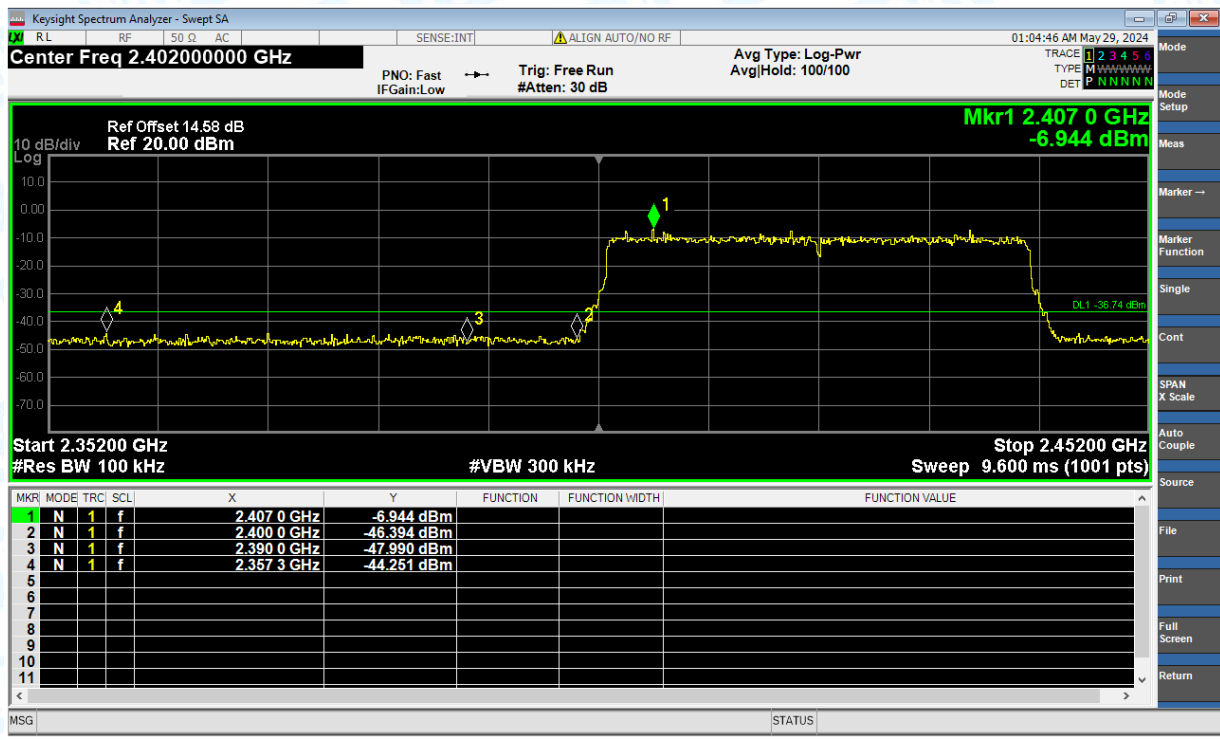
Band Edge NVNT ax(VHT20) 2462MHz Ant1 Emission



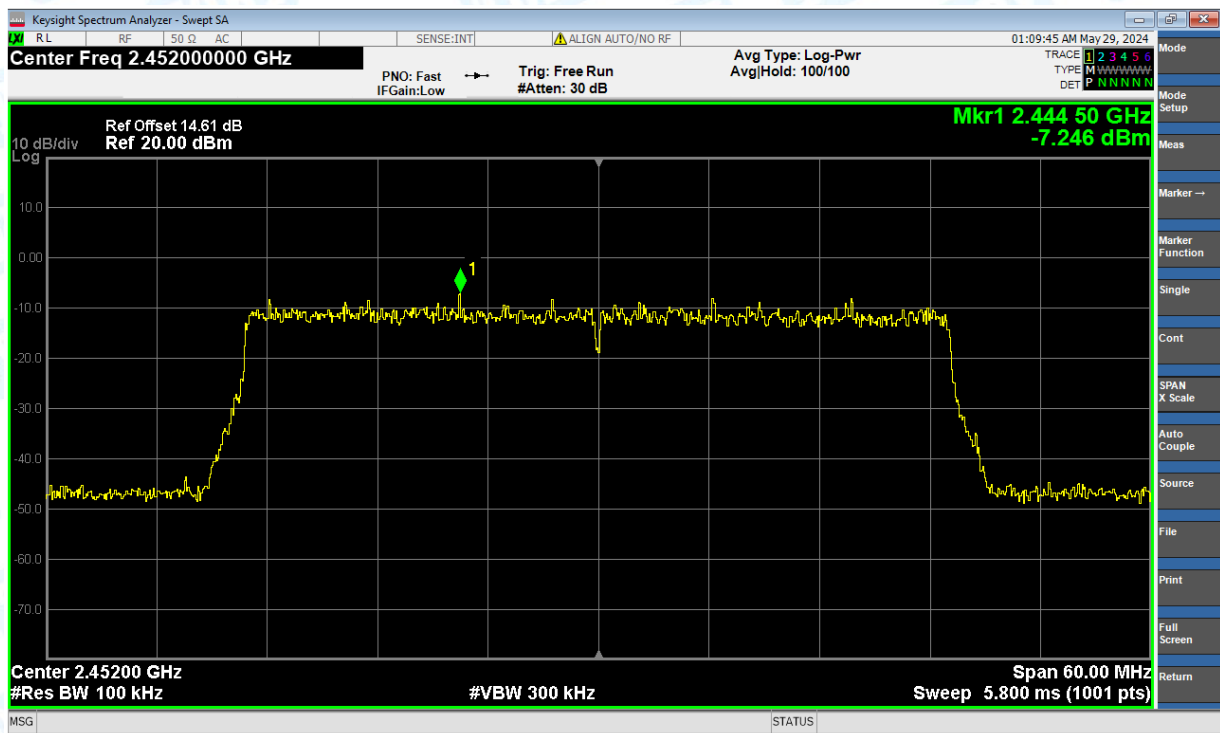
Band Edge NVNT ax(VHT40) 2422MHz Ant1 Ref



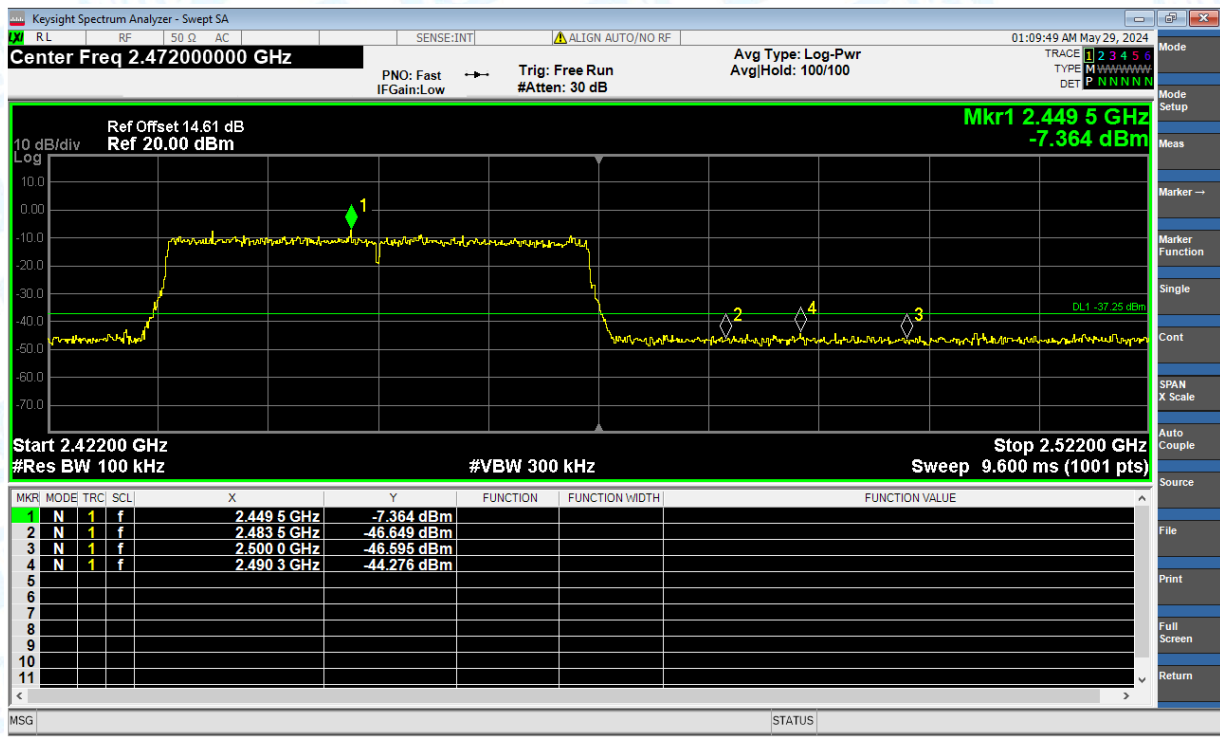
Band Edge NVNT ax(VHT40) 2422MHz Ant1 Emission



Band Edge NVNT ax(VHT40) 2452MHz Ant1 Ref



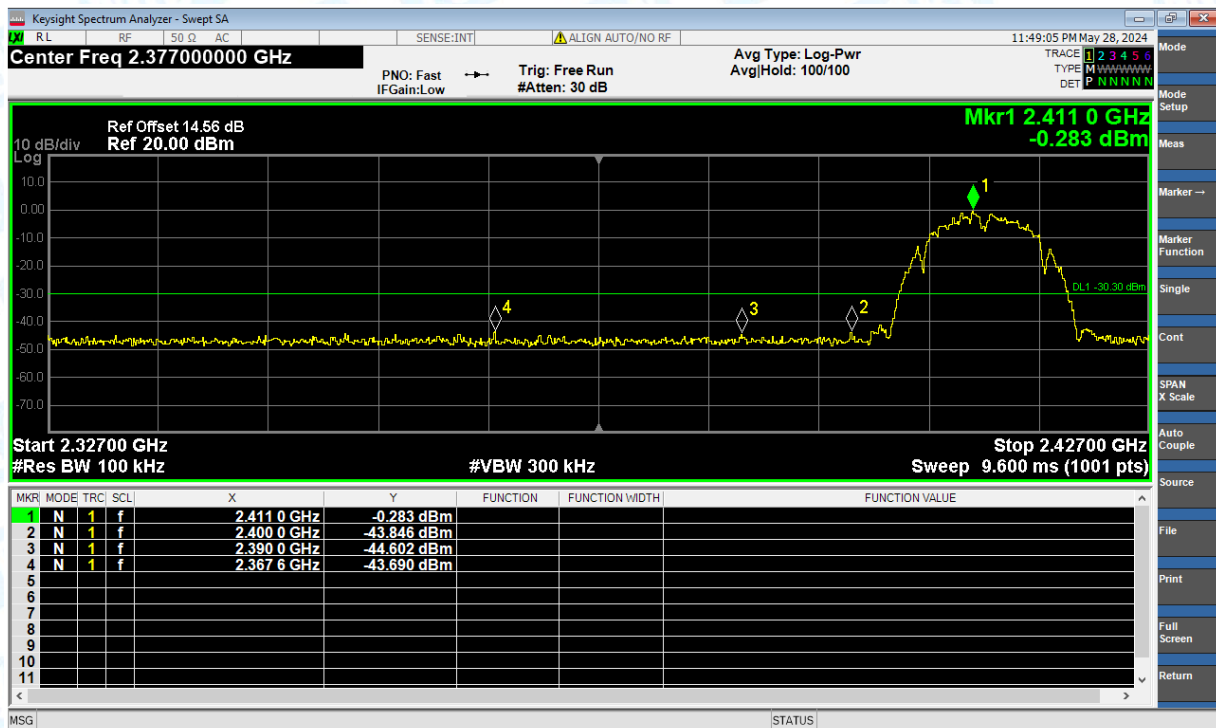
Band Edge NVNT ax(VHT40) 2452MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission

