

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	ZB32
Sample ID:	HC-C-202405-0231-03-02
Environmental Conditions	
Temperature:	25°C
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-202405-0231-142 The report only show the worst case data.	

Contents

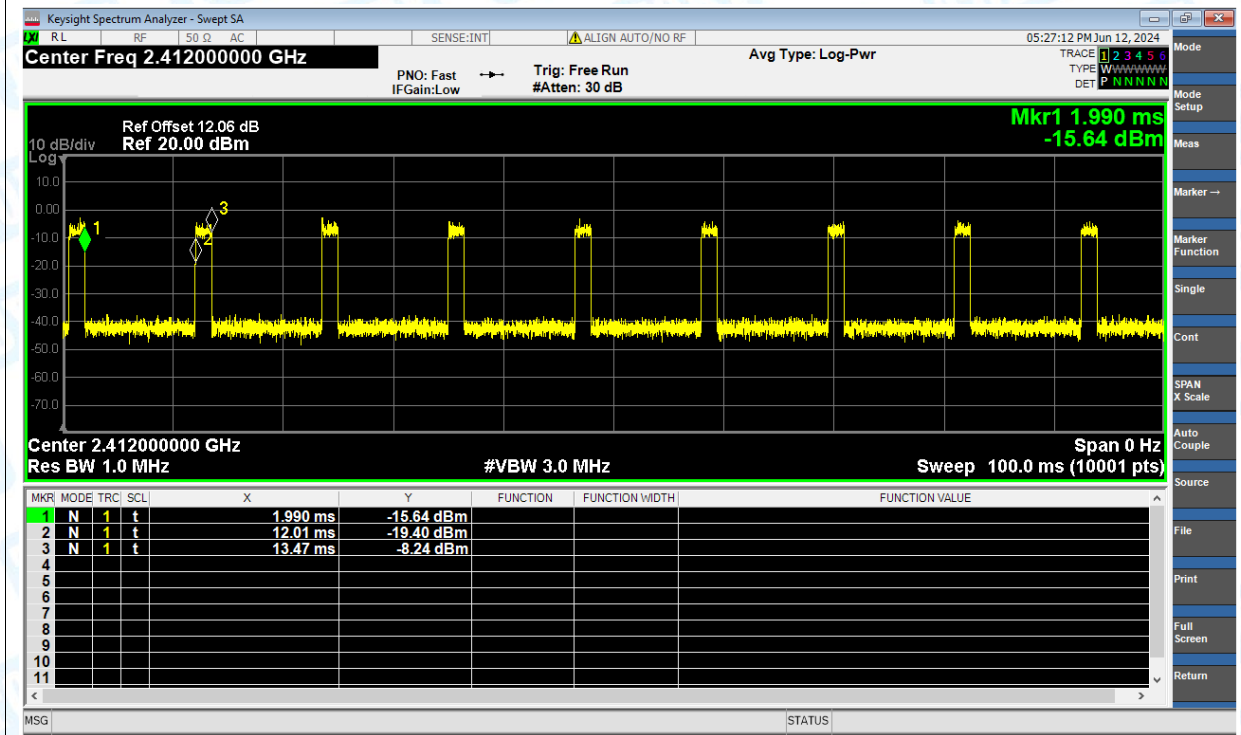
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1. Duty Cycle

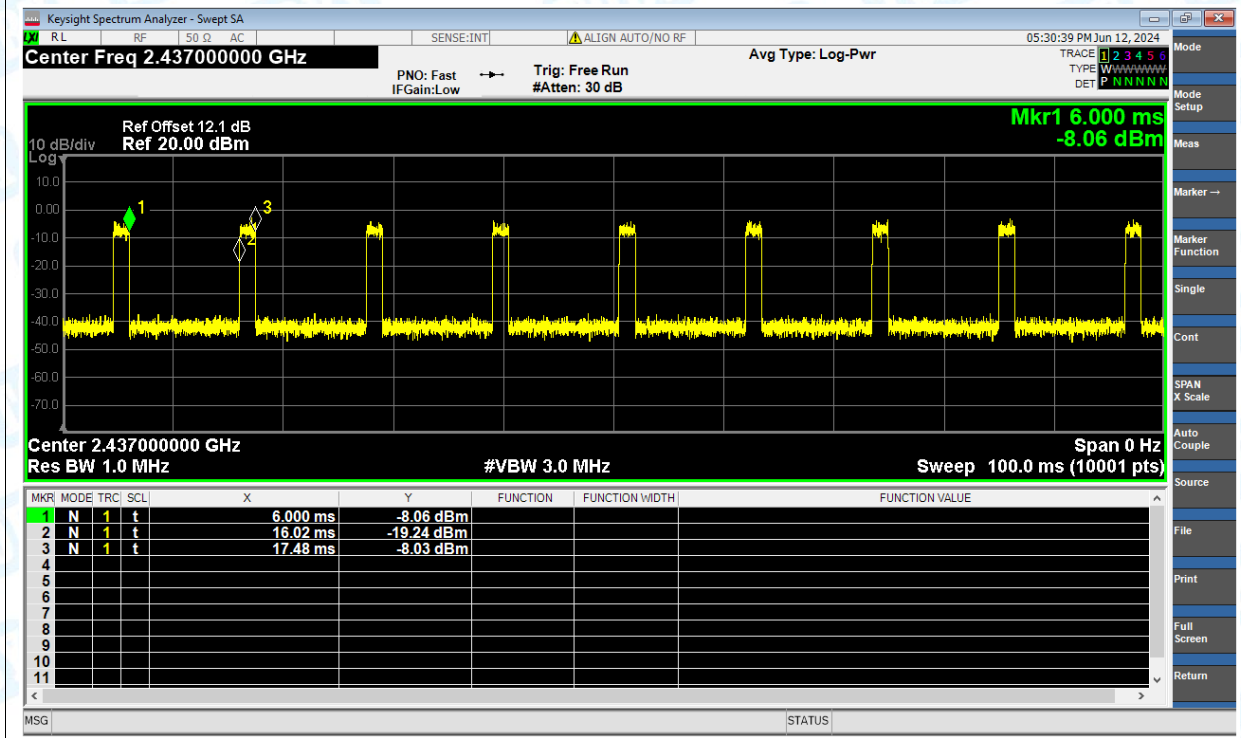
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax(VHT20)	2412	Ant1	12.72	8.96	0.68
NVNT	ax(VHT20)	2437	Ant1	12.72	8.96	0.68
NVNT	ax(VHT20)	2462	Ant1	12.71	8.96	0.68
NVNT	ax(VHT40)	2422	Ant1	6.67	11.76	1.39
NVNT	ax(VHT40)	2437	Ant1	6.68	11.75	1.39
NVNT	ax(VHT40)	2452	Ant1	6.77	11.69	1.37
NVNT	b	2412	Ant1	54.95	2.6	0.08
NVNT	b	2437	Ant1	54.97	2.6	0.08
NVNT	b	2462	Ant1	54.95	2.6	0.08
NVNT	g	2412	Ant1	16.83	7.74	0.49
NVNT	g	2437	Ant1	16.92	7.72	0.49
NVNT	g	2462	Ant1	16.83	7.74	0.49
NVNT	n(HT20)	2412	Ant1	15.94	7.98	0.53
NVNT	n(HT20)	2437	Ant1	15.94	7.98	0.53
NVNT	n(HT20)	2462	Ant1	15.86	8	0.53
NVNT	n(HT40)	2422	Ant1	8.21	10.86	1.11
NVNT	n(HT40)	2437	Ant1	8.21	10.86	1.11
NVNT	n(HT40)	2452	Ant1	8.13	10.9	1.12

Test Graphs

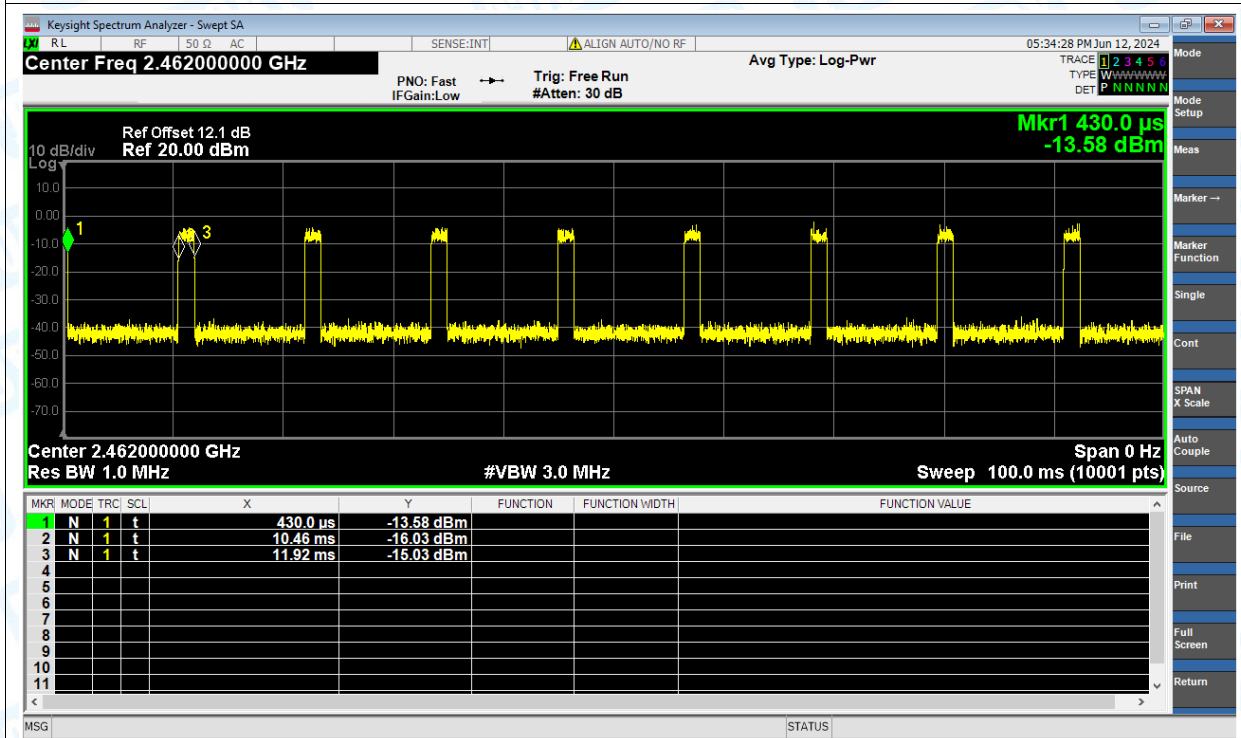
Duty Cycle NVNT ax(VHT20) 2412MHz Ant1



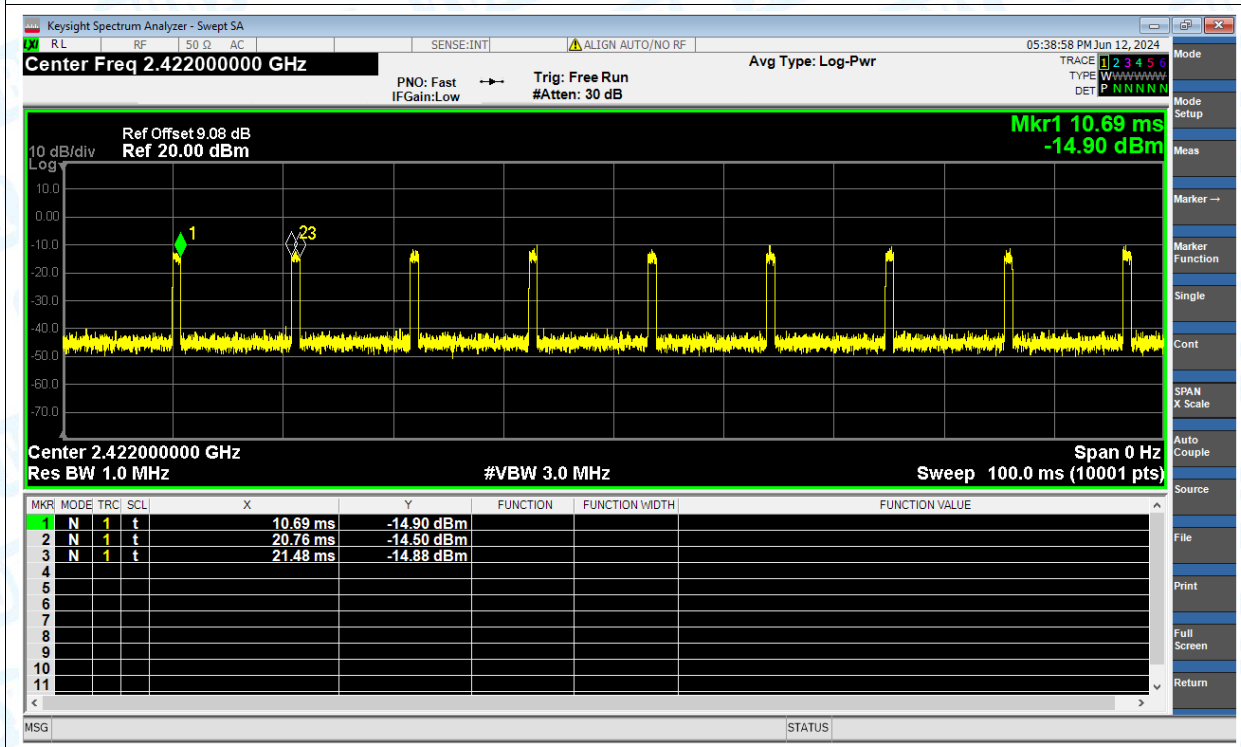
Duty Cycle NVNT ax(VHT20) 2437MHz Ant1



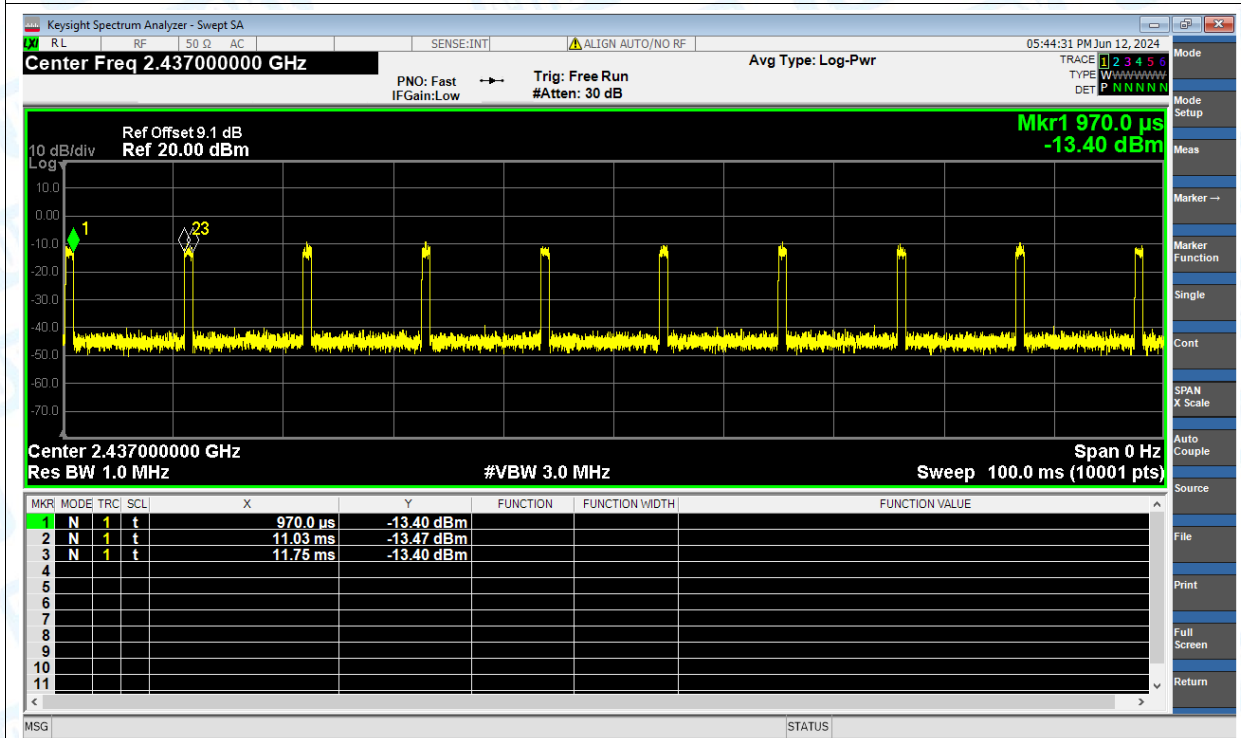
Duty Cycle NVNT ax(VHT20) 2462MHz Ant1



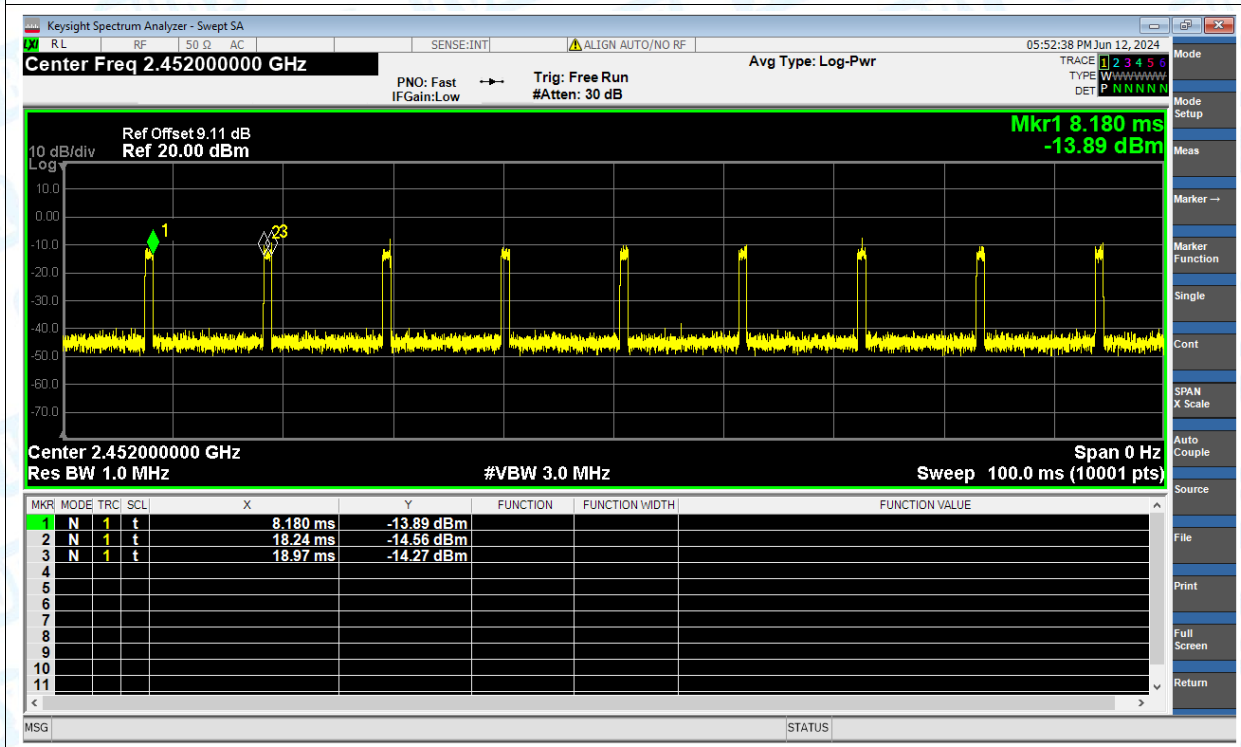
Duty Cycle NVNT ax(VHT40) 2422MHz Ant1



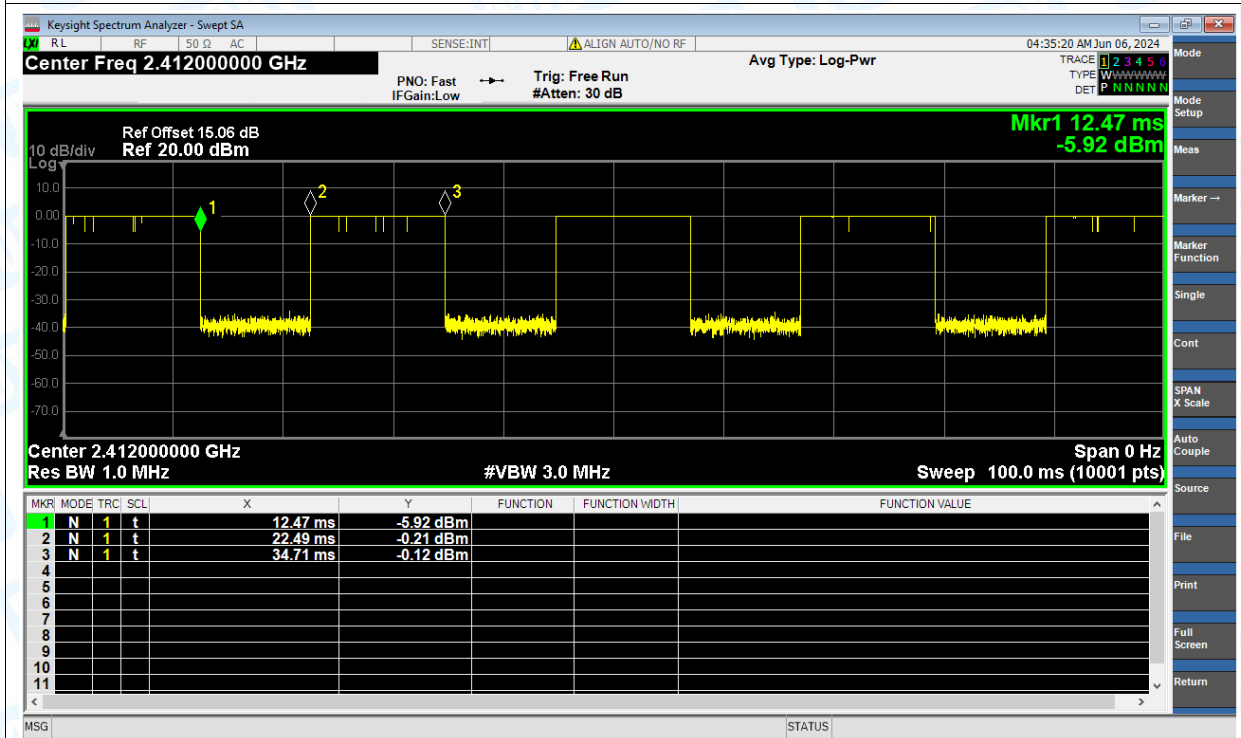
Duty Cycle NVNT ax(VHT40) 2437MHz Ant1



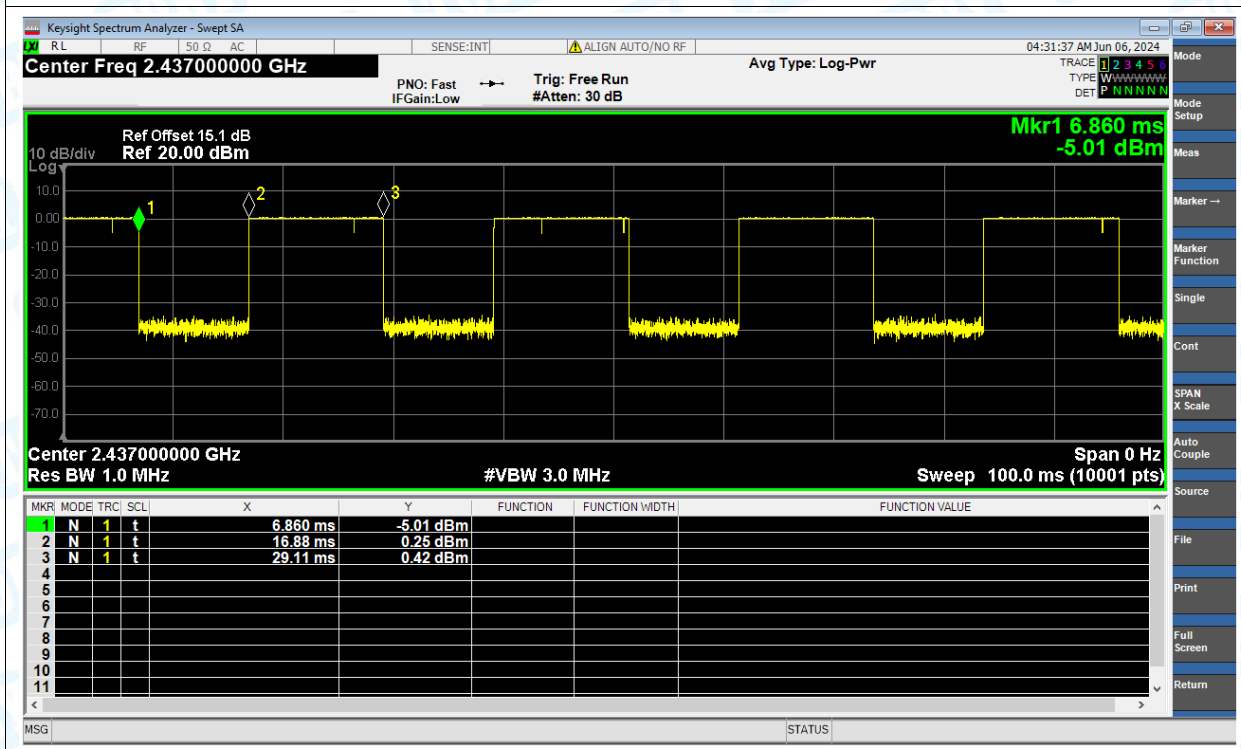
Duty Cycle NVNT ax(VHT40) 2452MHz Ant1



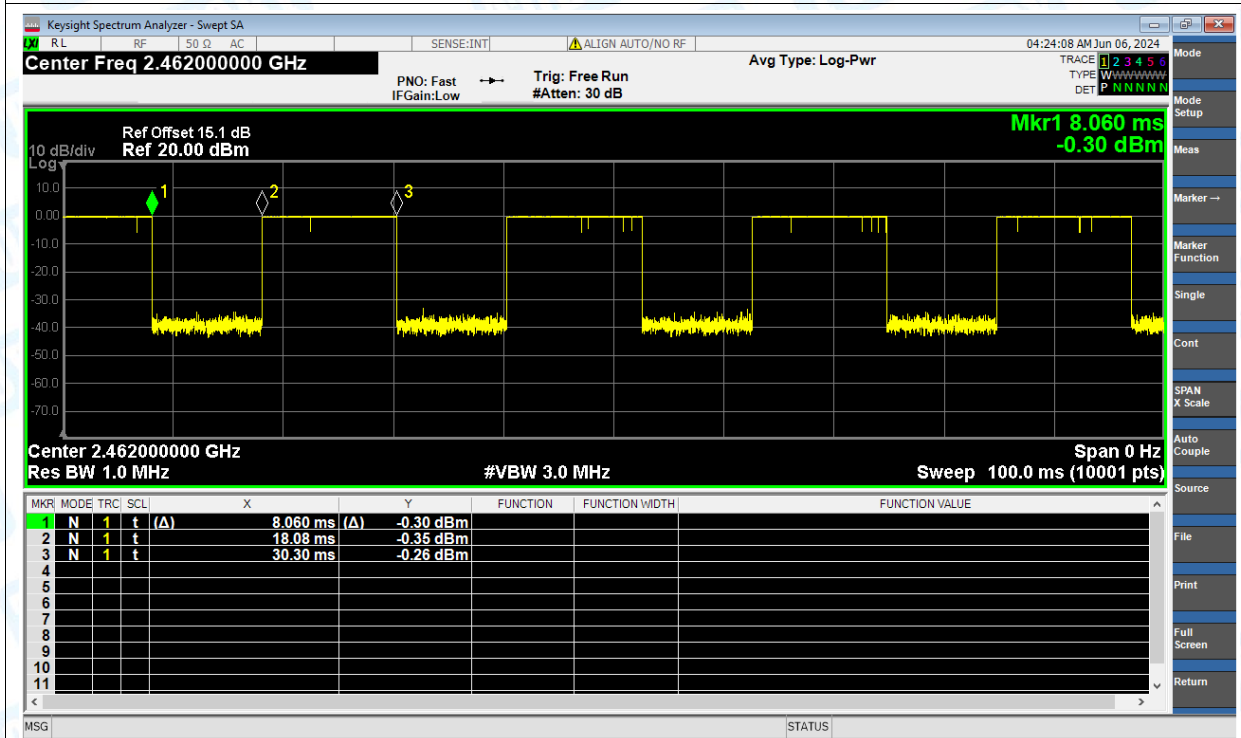
Duty Cycle NVNT b 2412MHz Ant1



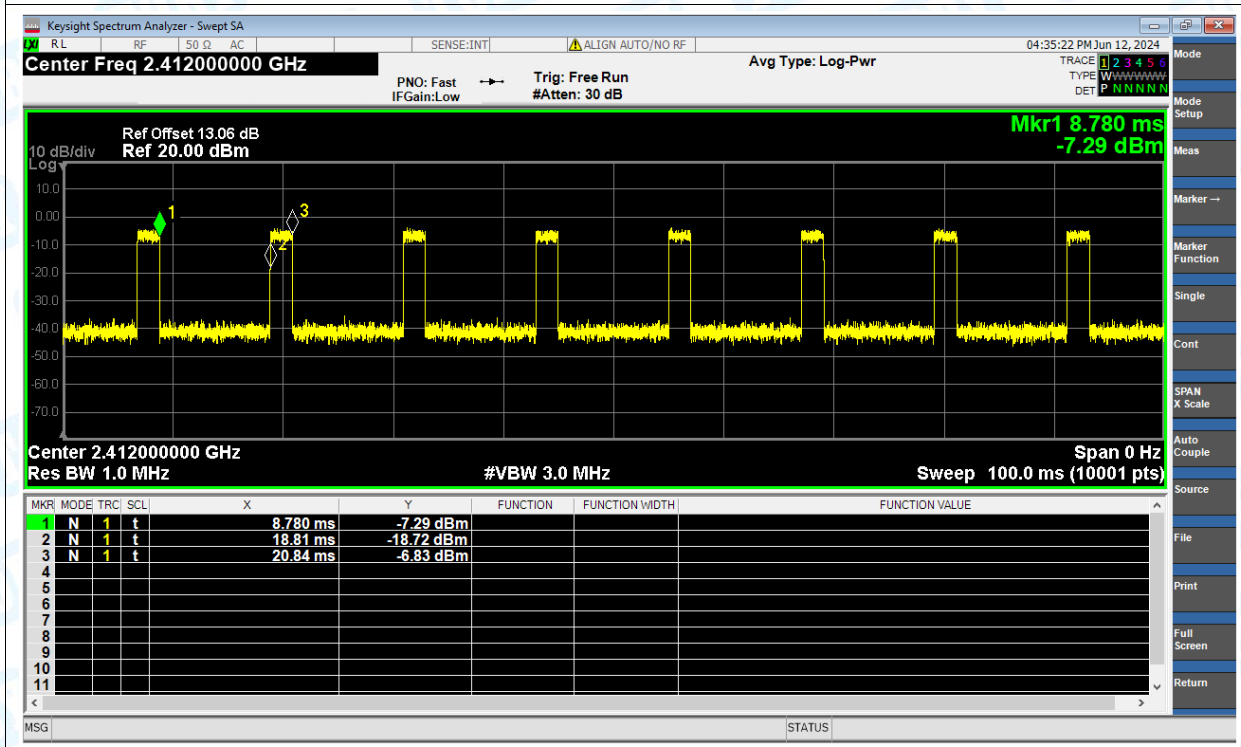
Duty Cycle NVNT b 2437MHz Ant1



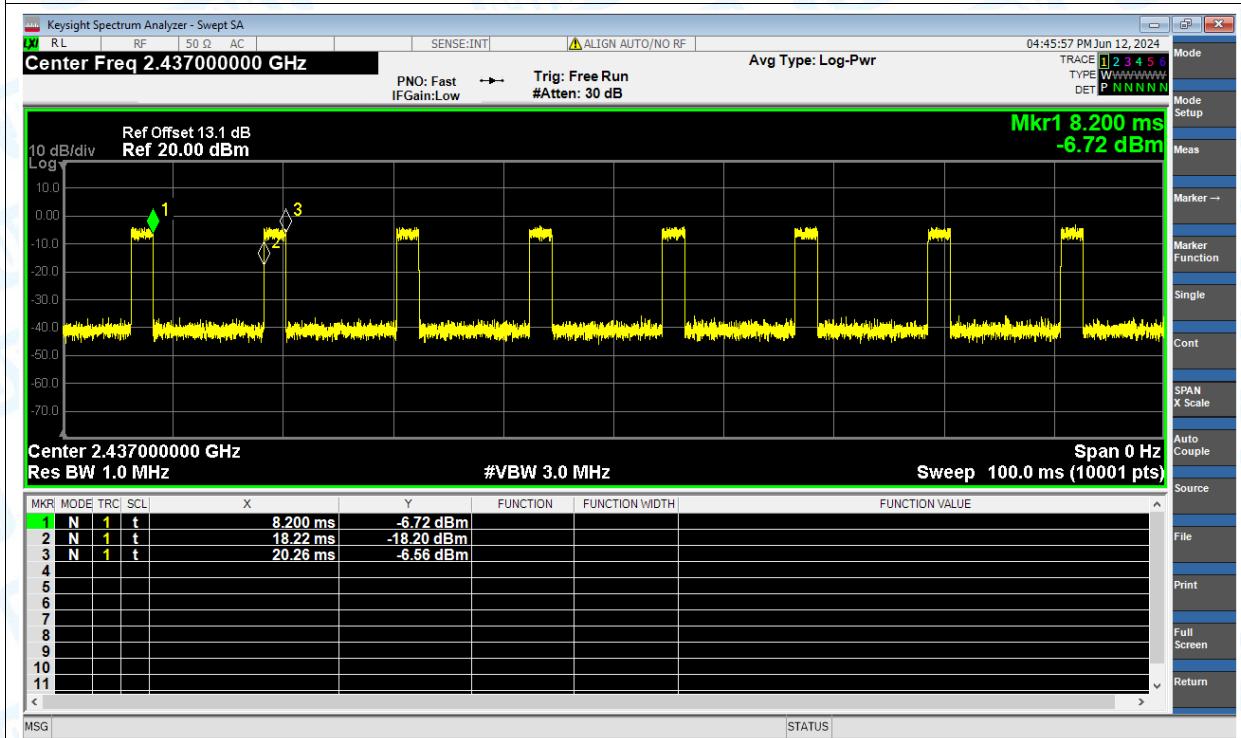
Duty Cycle NVNT b 2462MHz Ant1



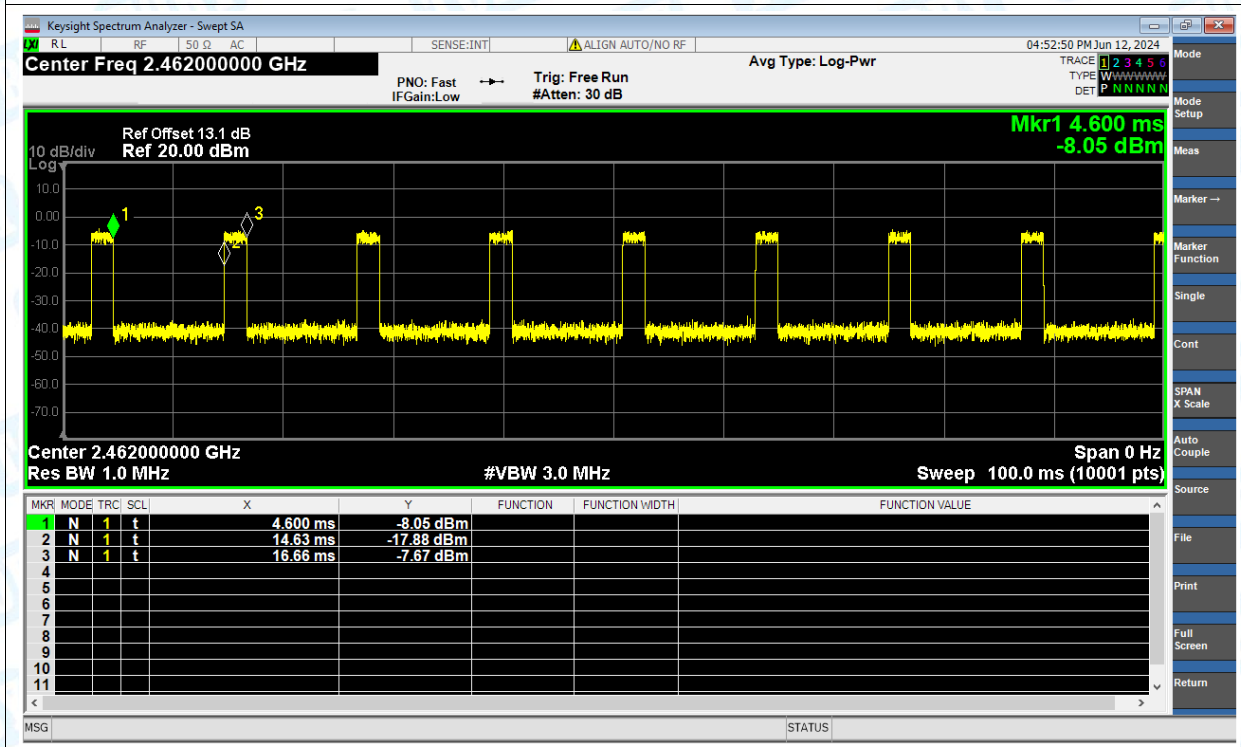
Duty Cycle NVNT g 2412MHz Ant1



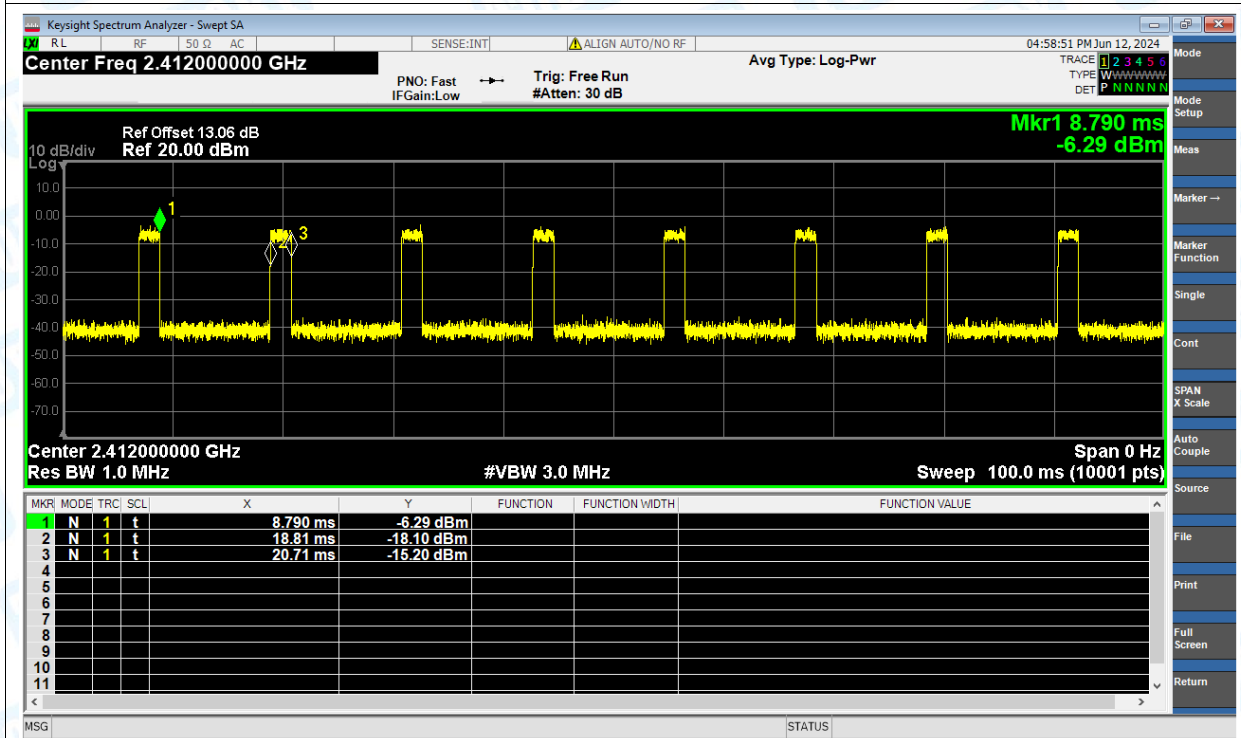
Duty Cycle NVNT g 2437MHz Ant1



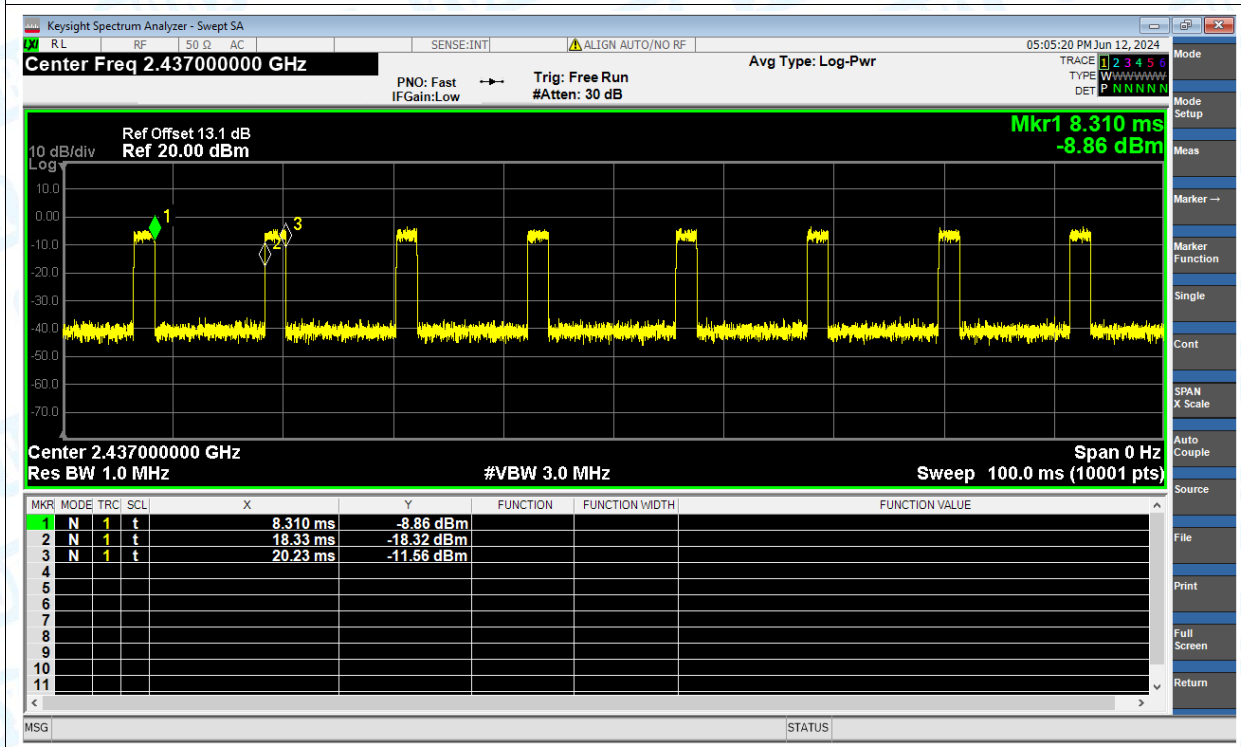
Duty Cycle NVNT g 2462MHz Ant1



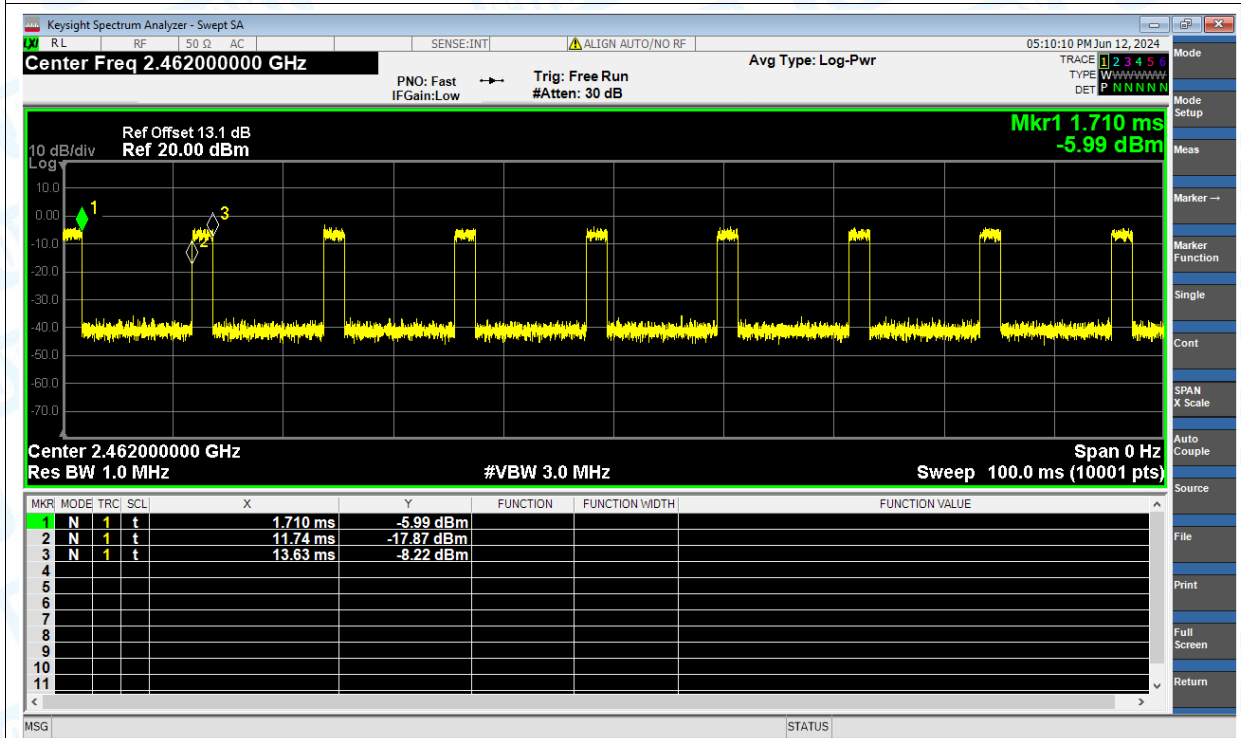
Duty Cycle NVNT n(HT20) 2412MHz Ant1



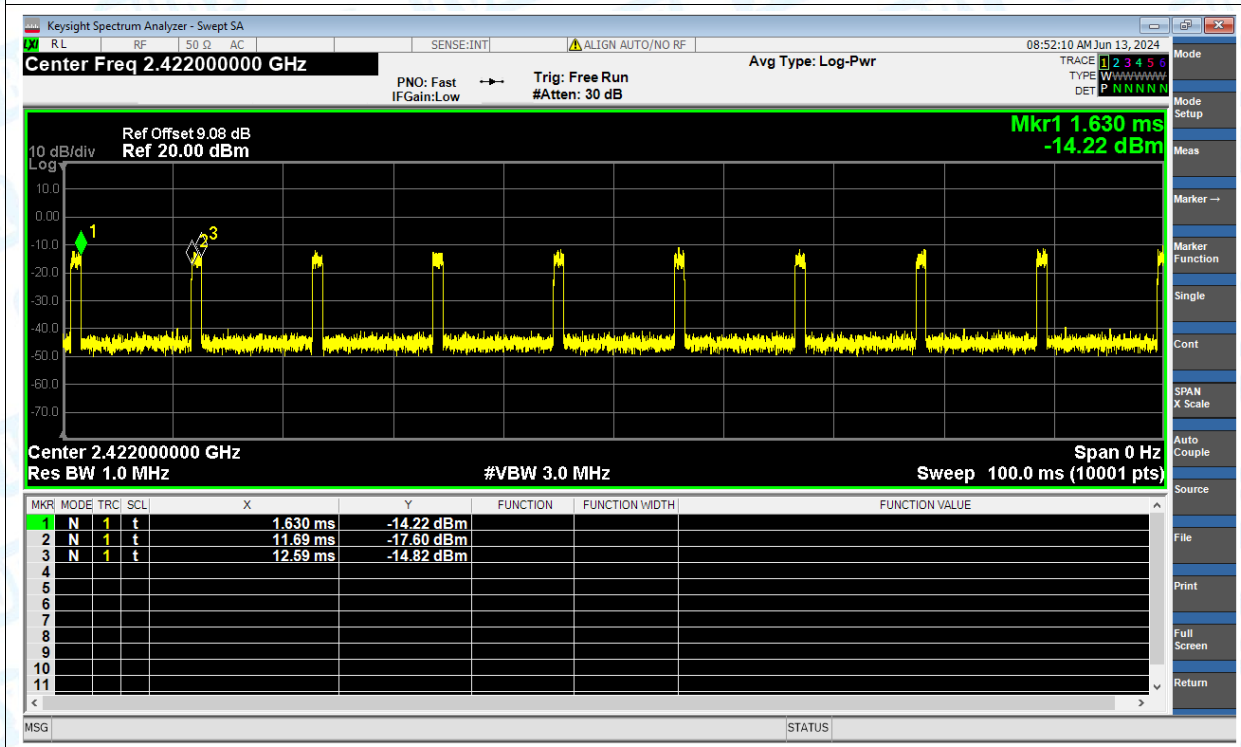
Duty Cycle NVNT n(HT20) 2437MHz Ant1



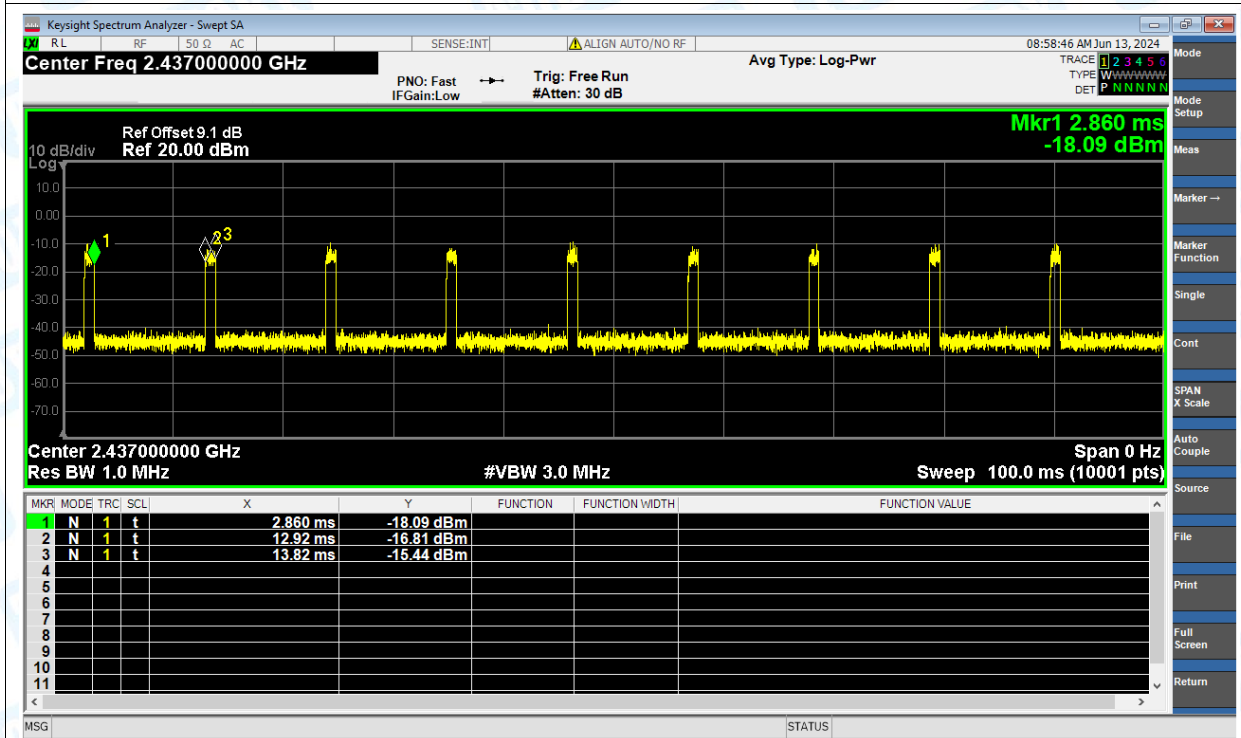
Duty Cycle NVNT n(HT20) 2462MHz Ant1



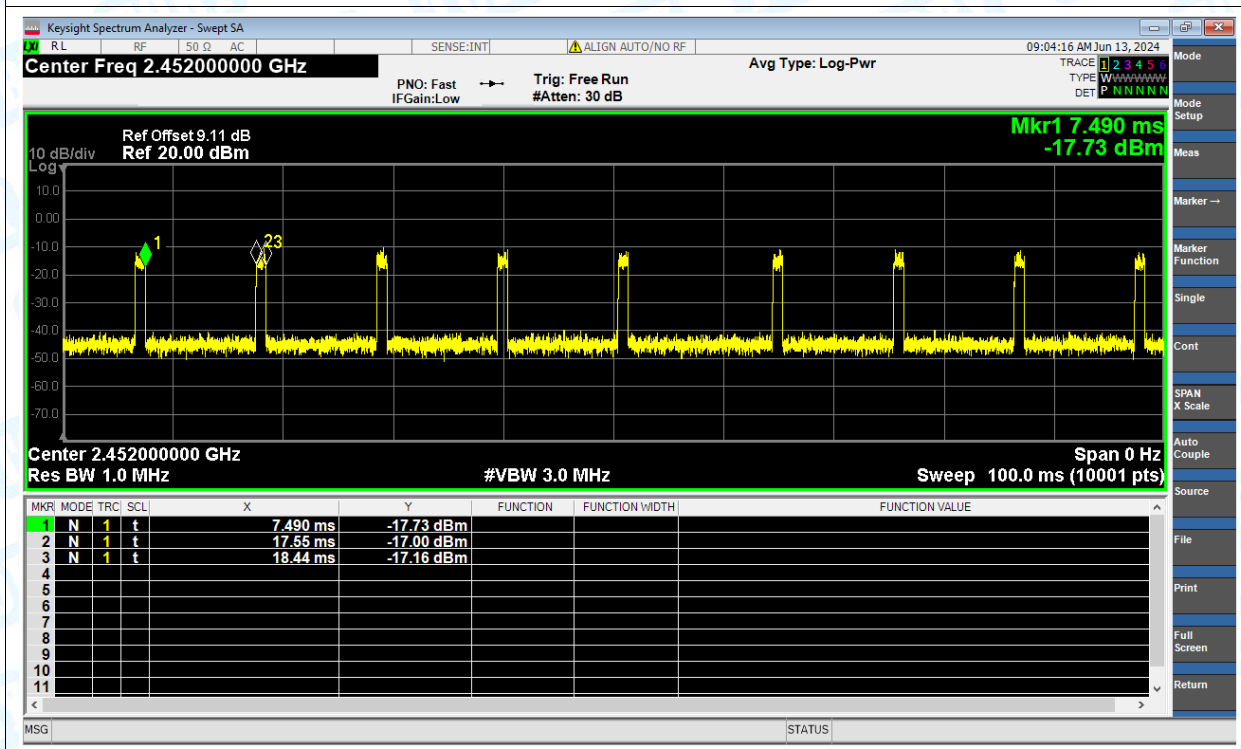
Duty Cycle NVNT n(HT40) 2422MHz Ant1



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	7.26	30	Pass
NVNT	ax(VHT20)	2437	Ant1	7.37	30	Pass
NVNT	ax(VHT20)	2462	Ant1	7.31	30	Pass
NVNT	ax(VHT40)	2422	Ant1	7.69	30	Pass
NVNT	ax(VHT40)	2437	Ant1	7.1	30	Pass
NVNT	ax(VHT40)	2452	Ant1	7.45	30	Pass
NVNT	b	2412	Ant1	7.62	30	Pass
NVNT	b	2437	Ant1	7.09	30	Pass
NVNT	b	2462	Ant1	7.34	30	Pass
NVNT	g	2412	Ant1	7.19	30	Pass
NVNT	g	2437	Ant1	7.32	30	Pass
NVNT	g	2462	Ant1	7.34	30	Pass
NVNT	n(HT20)	2412	Ant1	7.36	30	Pass
NVNT	n(HT20)	2437	Ant1	7.47	30	Pass
NVNT	n(HT20)	2462	Ant1	7.51	30	Pass
NVNT	n(HT40)	2422	Ant1	7.95	30	Pass
NVNT	n(HT40)	2437	Ant1	7.42	30	Pass
NVNT	n(HT40)	2452	Ant1	7.96	30	Pass

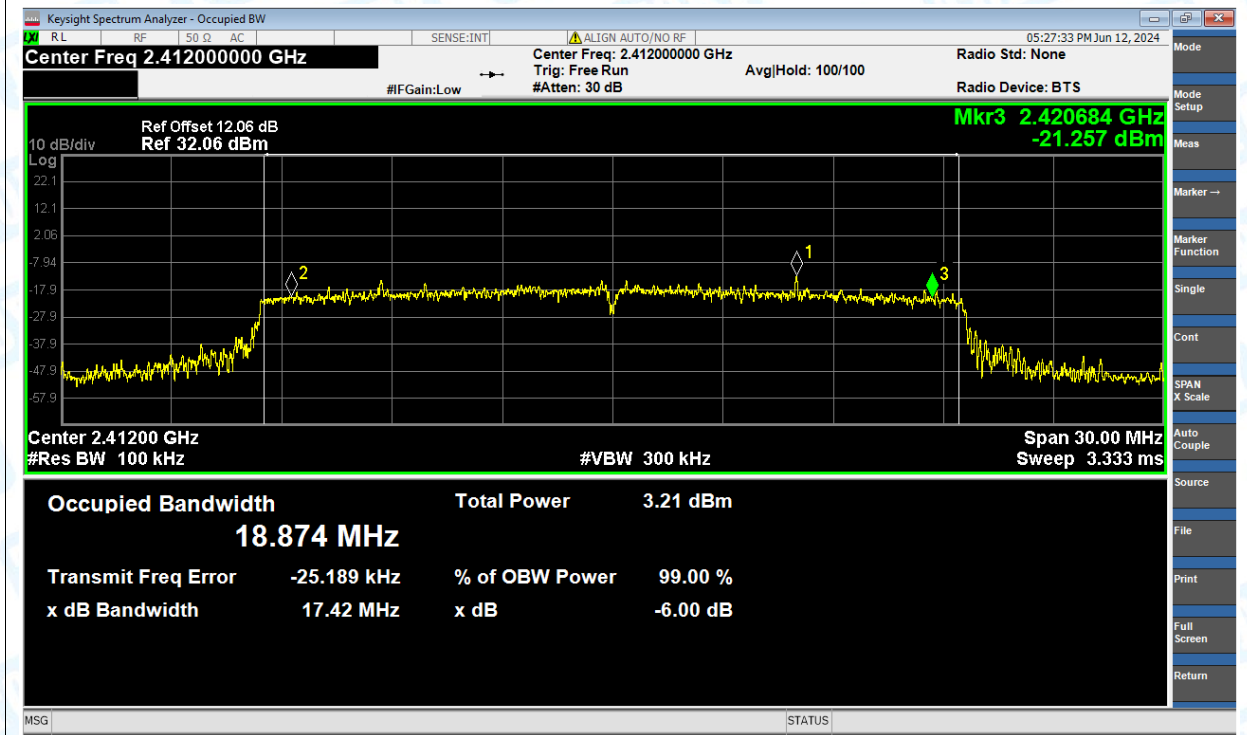
Note: The duty factor has been compensated into the result.

3.-6dB Bandwidth

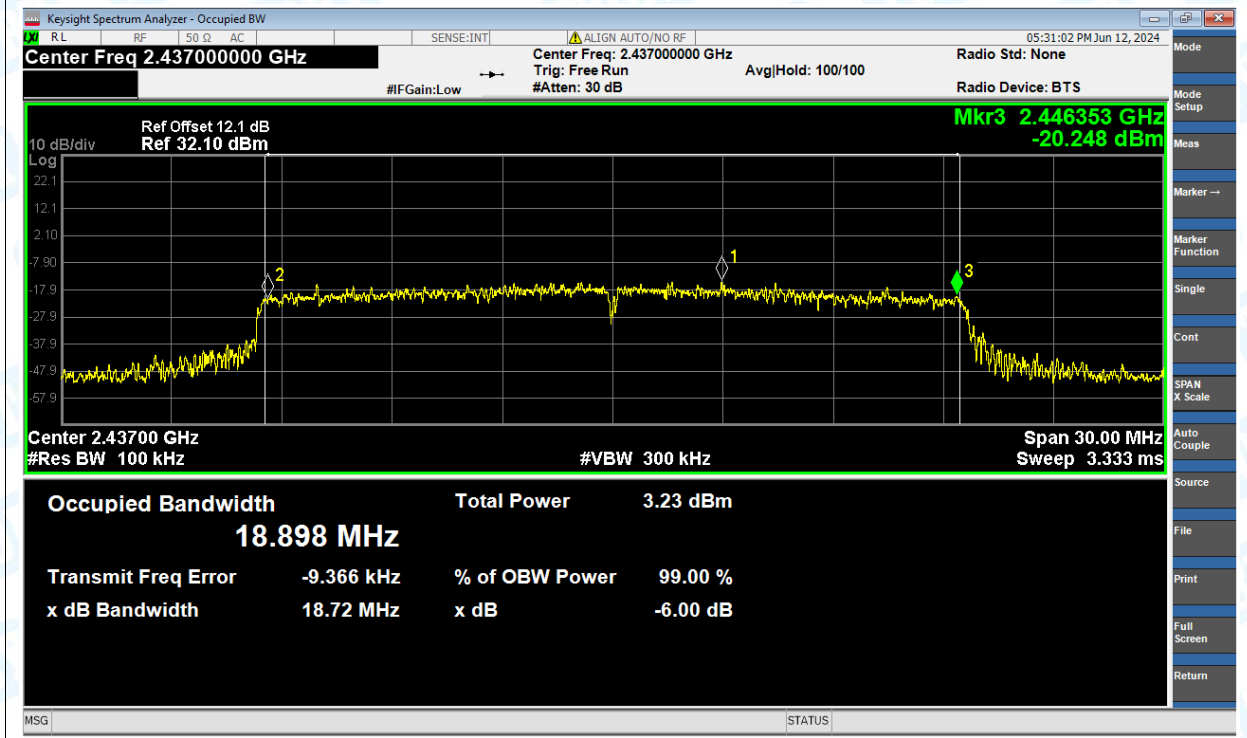
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax(VHT20)	2412	Ant1	17.42	0.5	Pass
NVNT	ax(VHT20)	2437	Ant1	18.72	0.5	Pass
NVNT	ax(VHT20)	2462	Ant1	18.11	0.5	Pass
NVNT	ax(VHT40)	2422	Ant1	35.36	0.5	Pass
NVNT	ax(VHT40)	2437	Ant1	34.2	0.5	Pass
NVNT	ax(VHT40)	2452	Ant1	36.86	0.5	Pass
NVNT	b	2412	Ant1	8.52	0.5	Pass
NVNT	b	2437	Ant1	9.52	0.5	Pass
NVNT	b	2462	Ant1	10.03	0.5	Pass
NVNT	g	2412	Ant1	16.29	0.5	Pass
NVNT	g	2437	Ant1	16.31	0.5	Pass
NVNT	g	2462	Ant1	16.16	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.51	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.55	0.5	Pass
NVNT	n(HT20)	2462	Ant1	15.69	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.68	0.5	Pass
NVNT	n(HT40)	2437	Ant1	36.26	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.64	0.5	Pass

Test Graphs

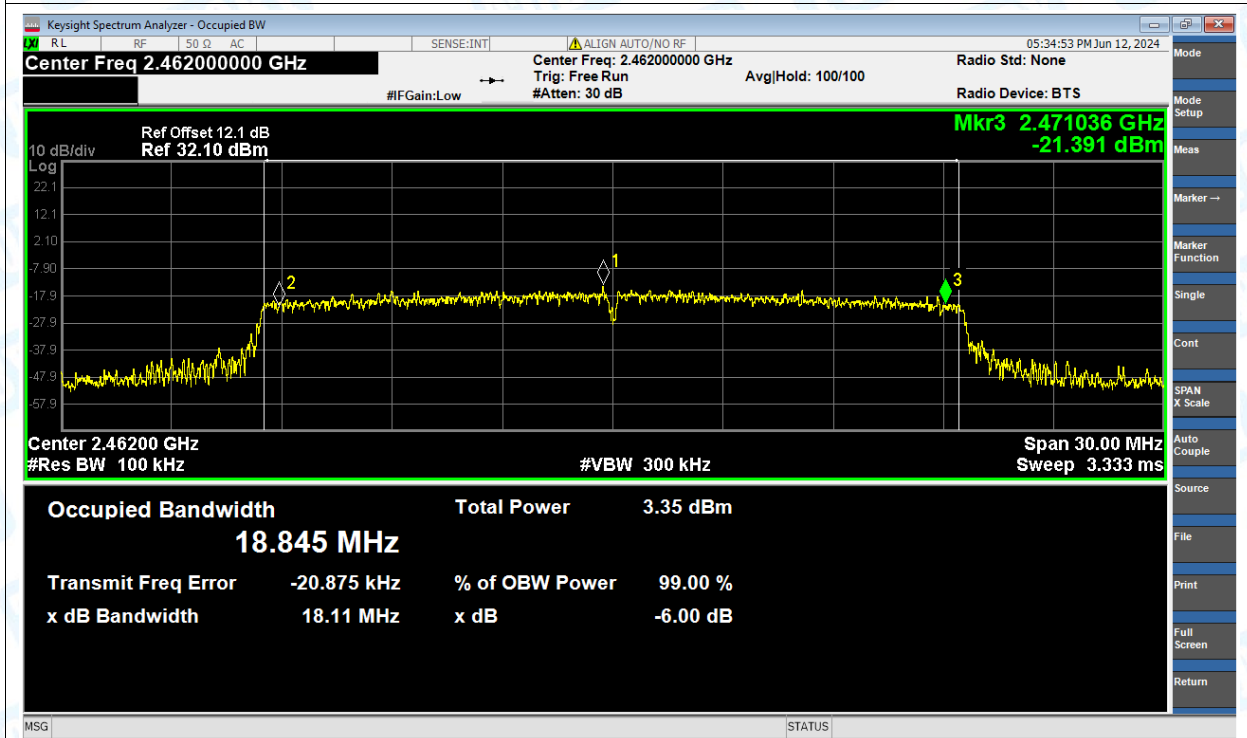
-6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



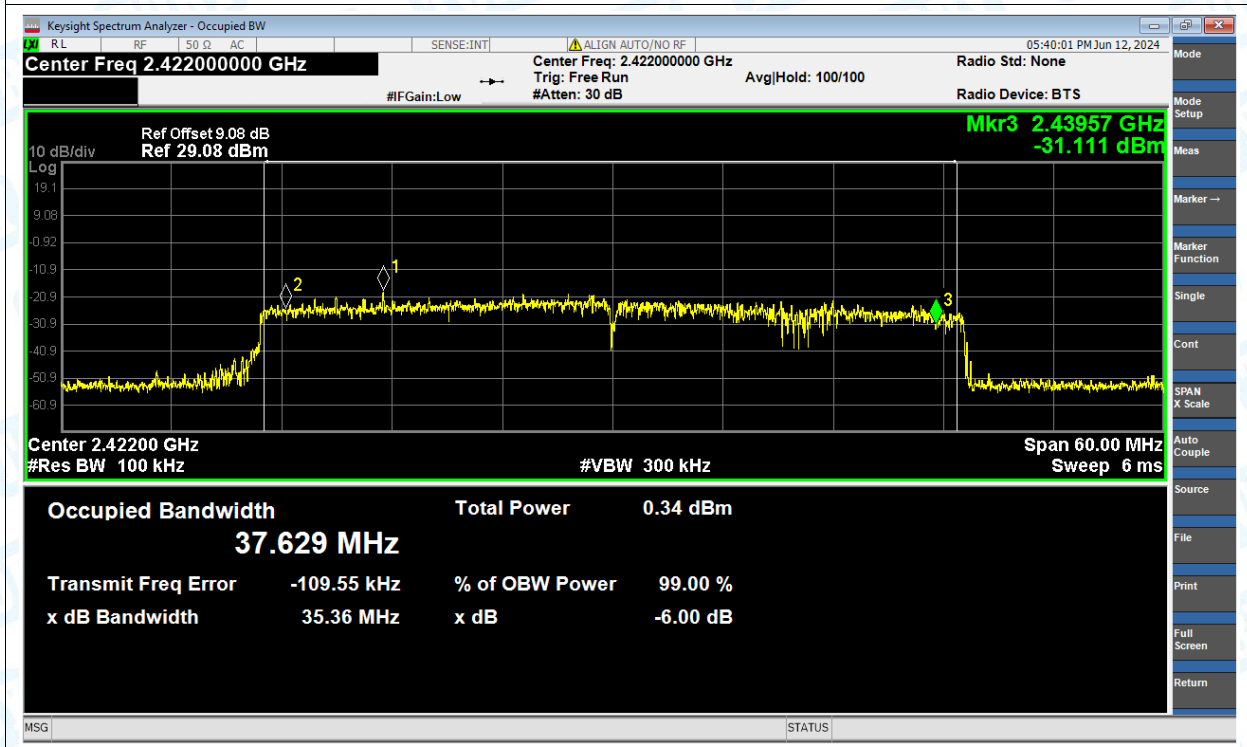
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



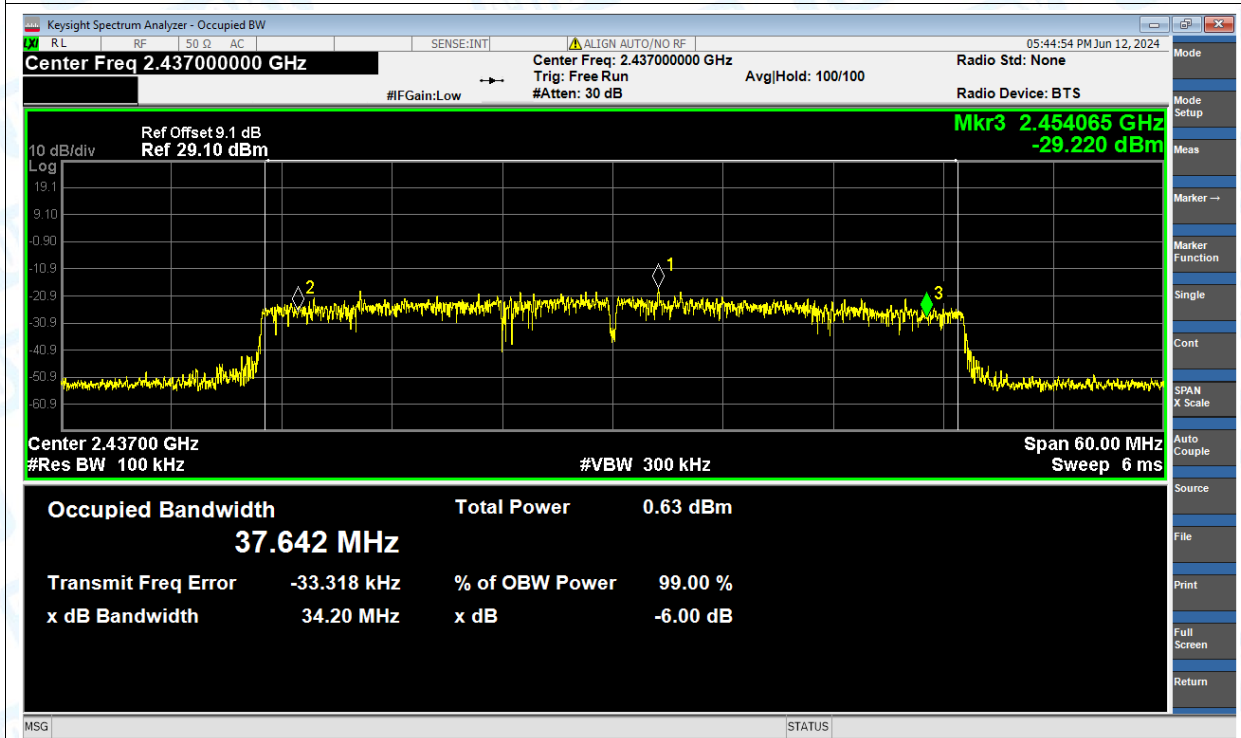
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant1



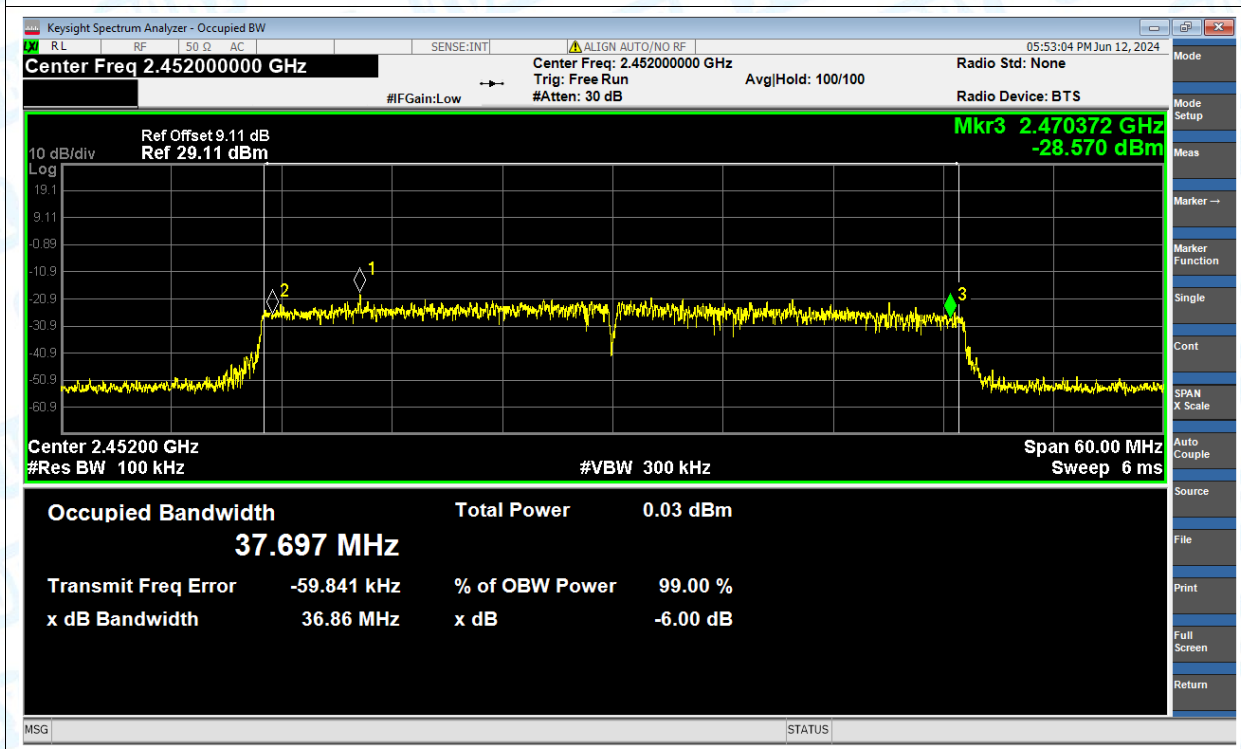
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



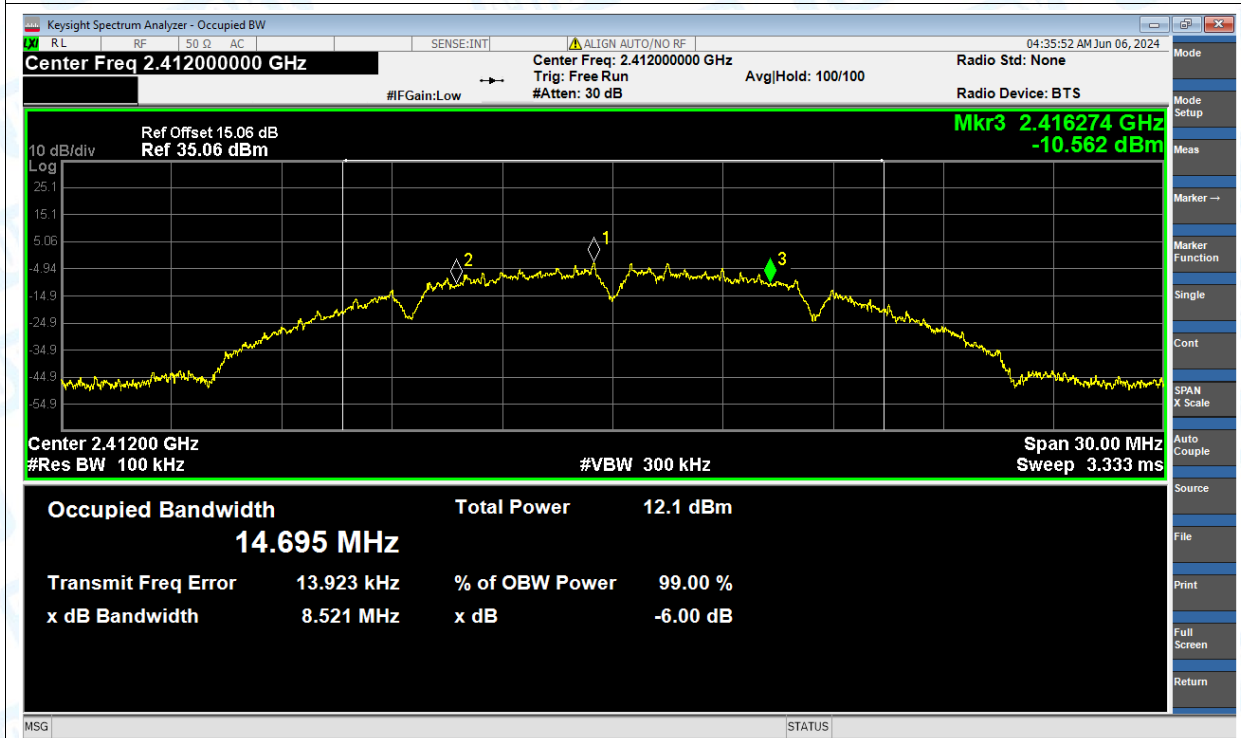
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



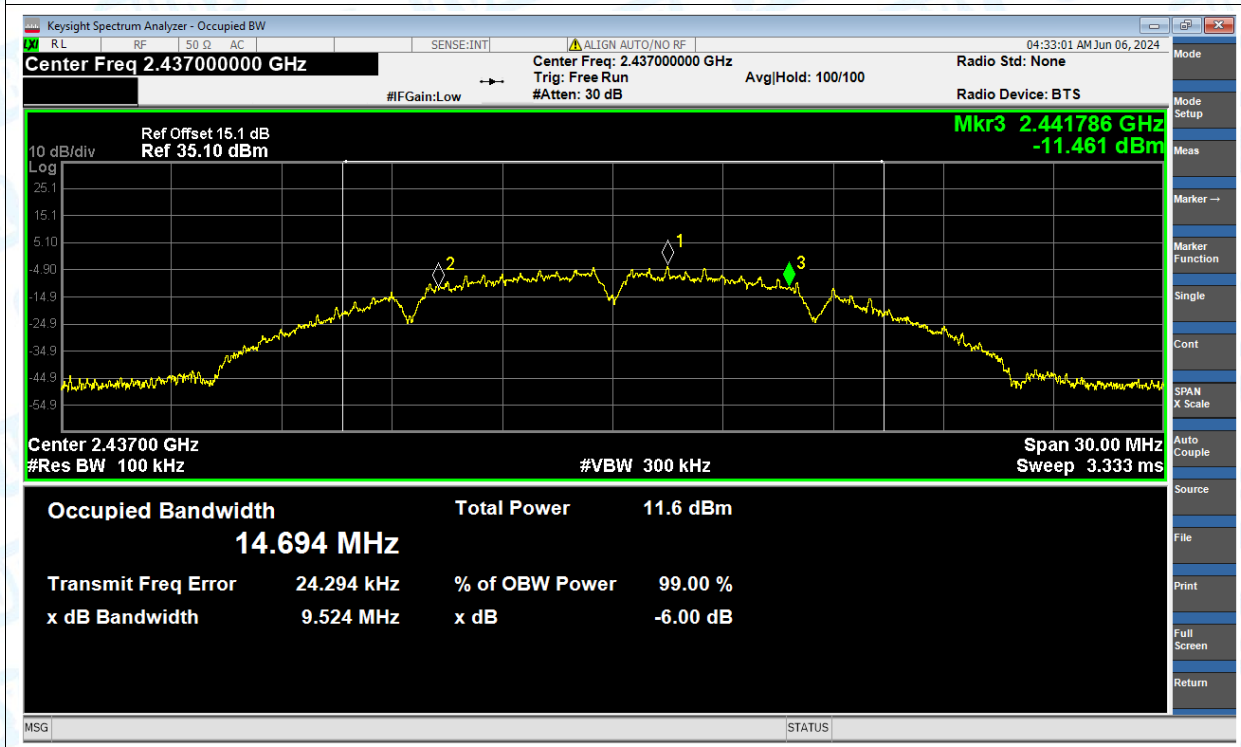
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1



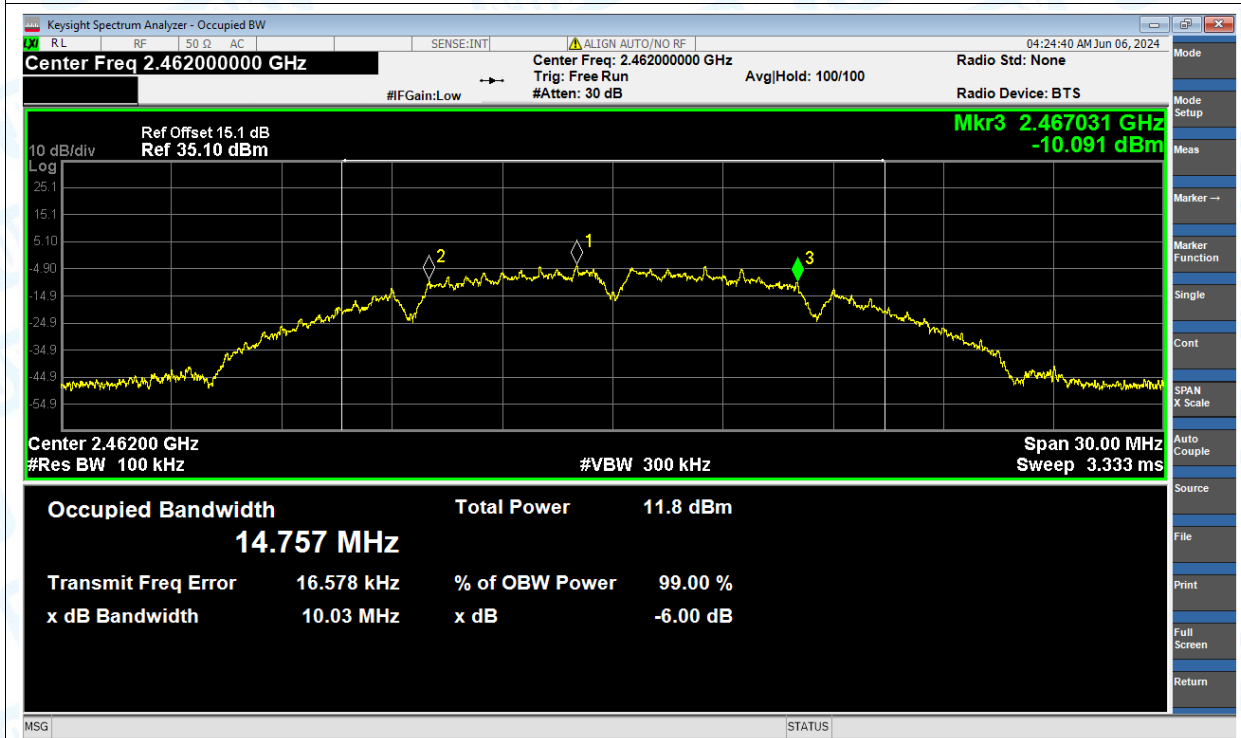
-6dB Bandwidth NVNT b 2412MHz Ant1



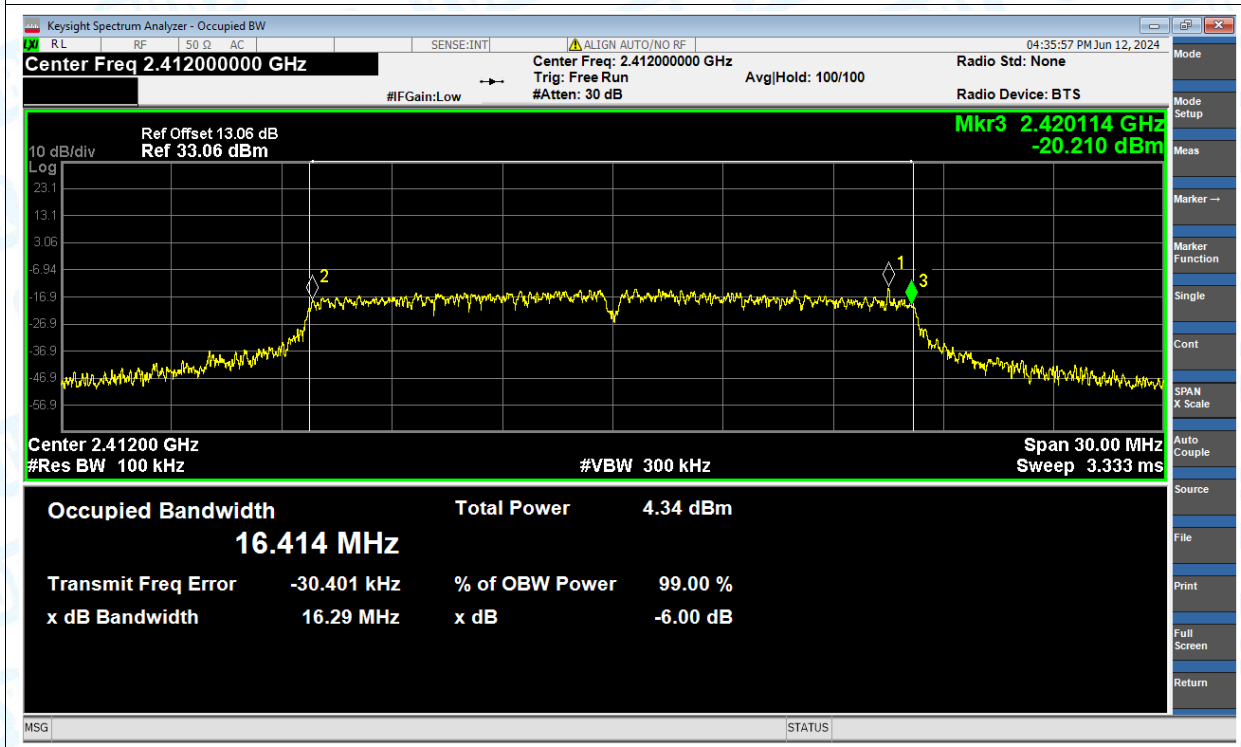
-6dB Bandwidth NVNT b 2437MHz Ant1



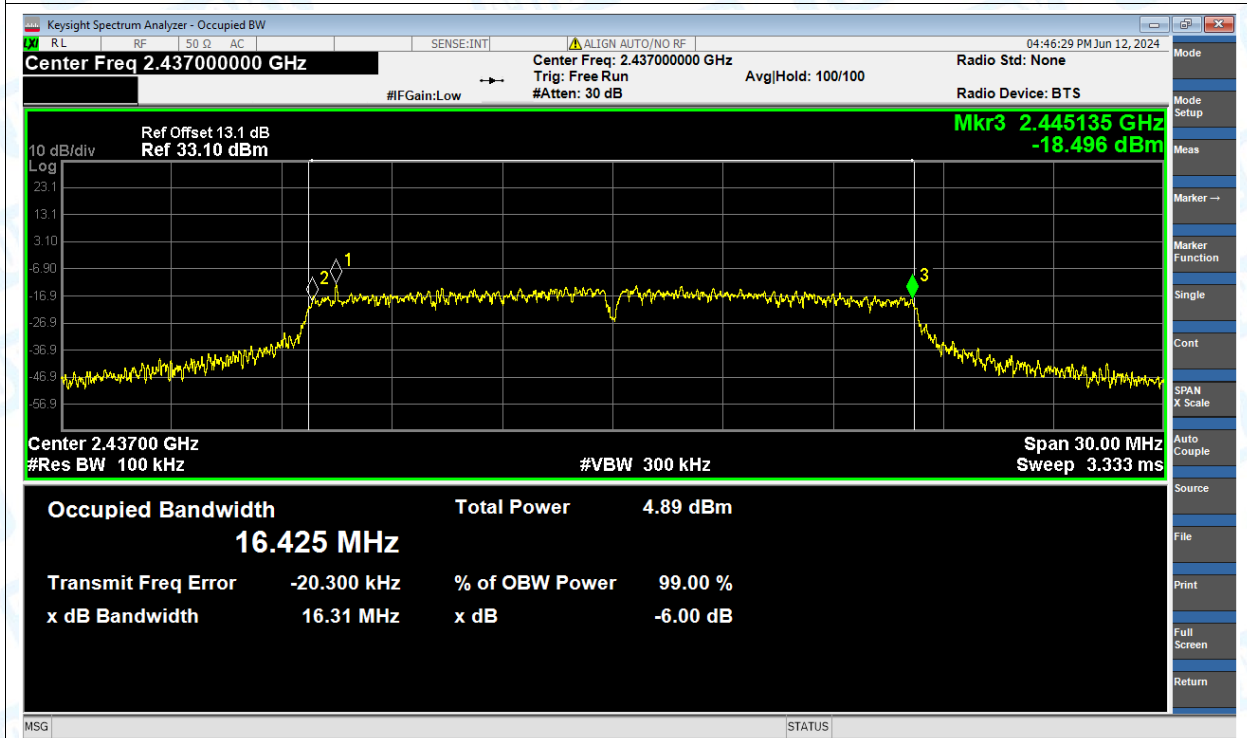
-6dB Bandwidth NVNT b 2462MHz Ant1



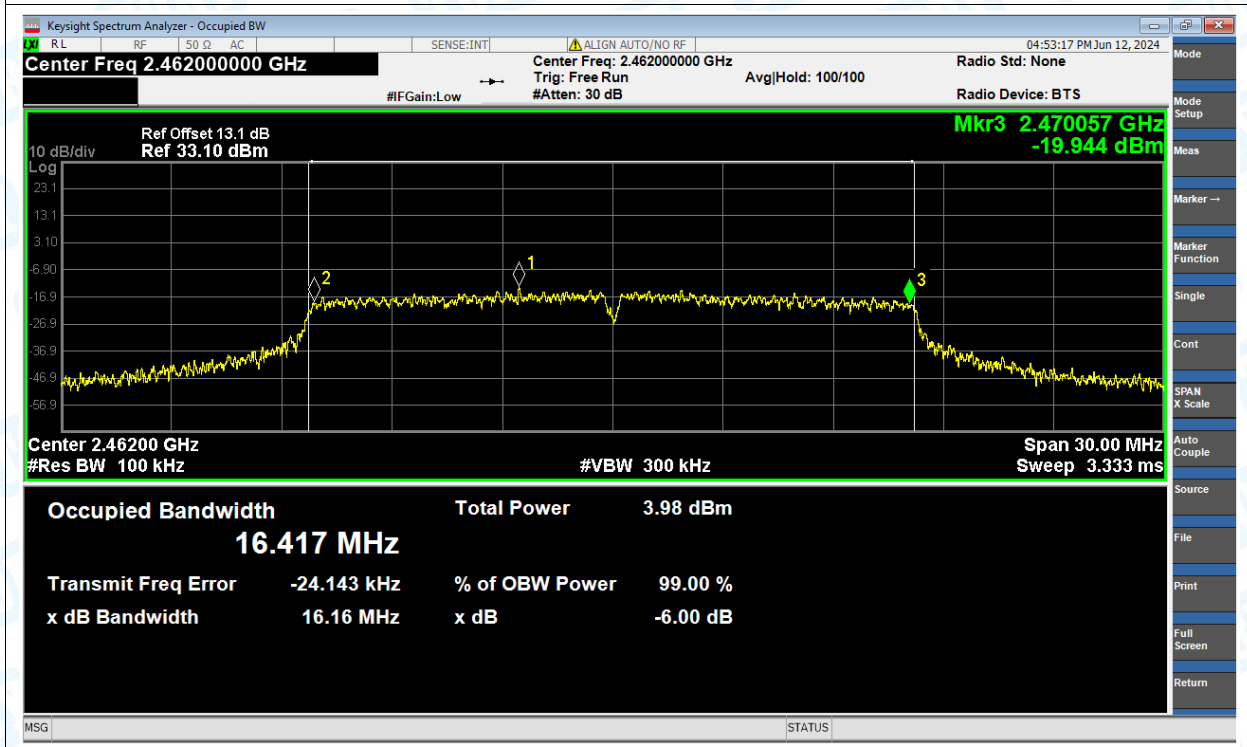
-6dB Bandwidth NVNT g 2412MHz Ant1



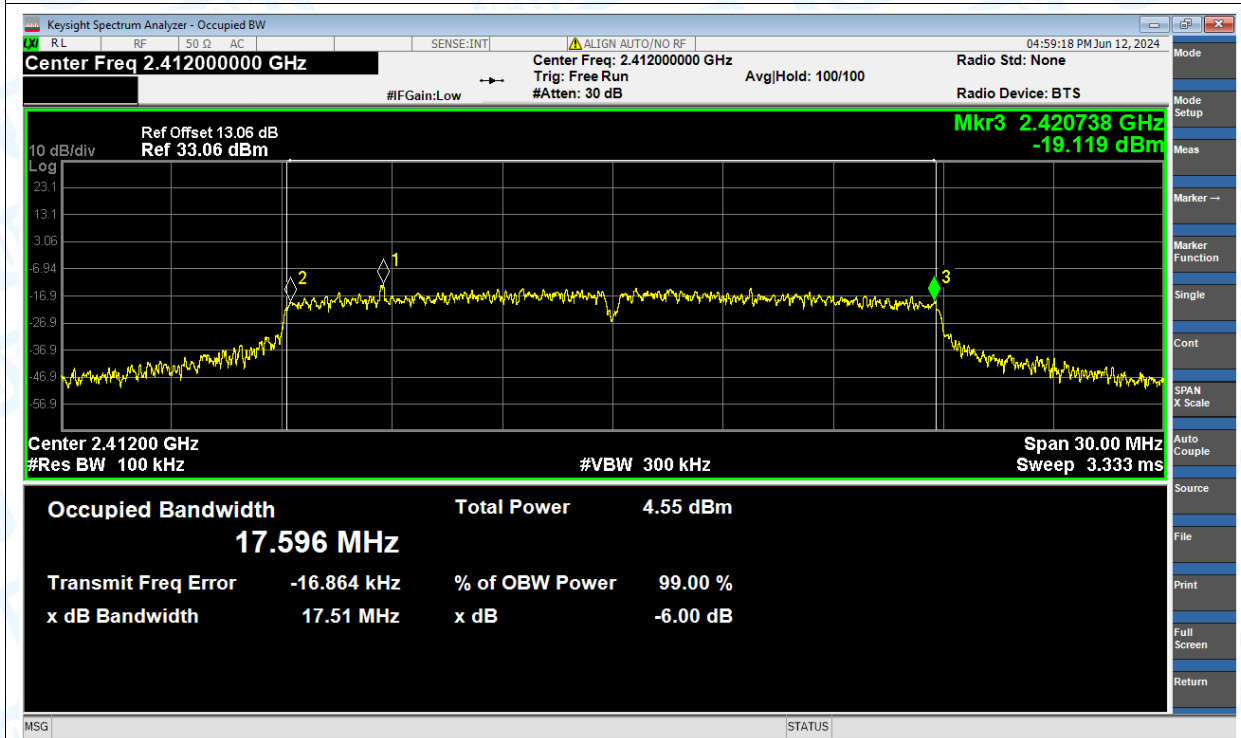
-6dB Bandwidth NVNT g 2437MHz Ant1



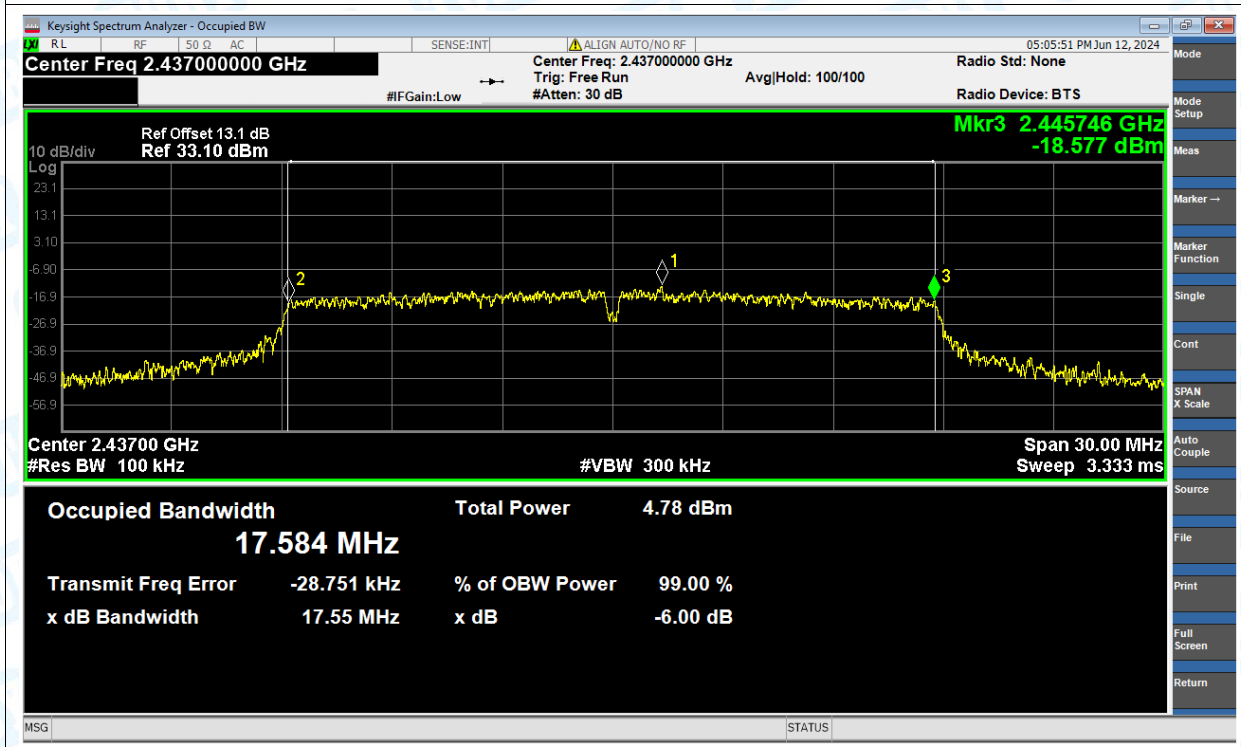
-6dB Bandwidth NVNT g 2462MHz Ant1



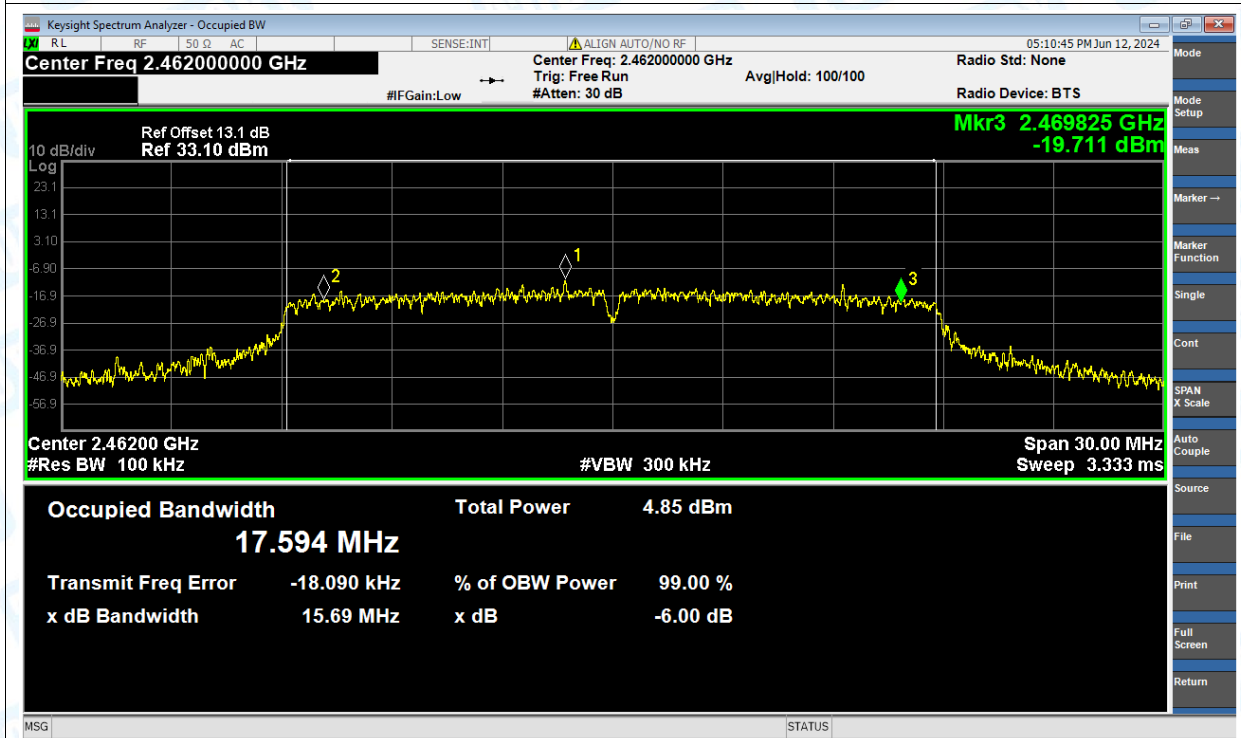
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



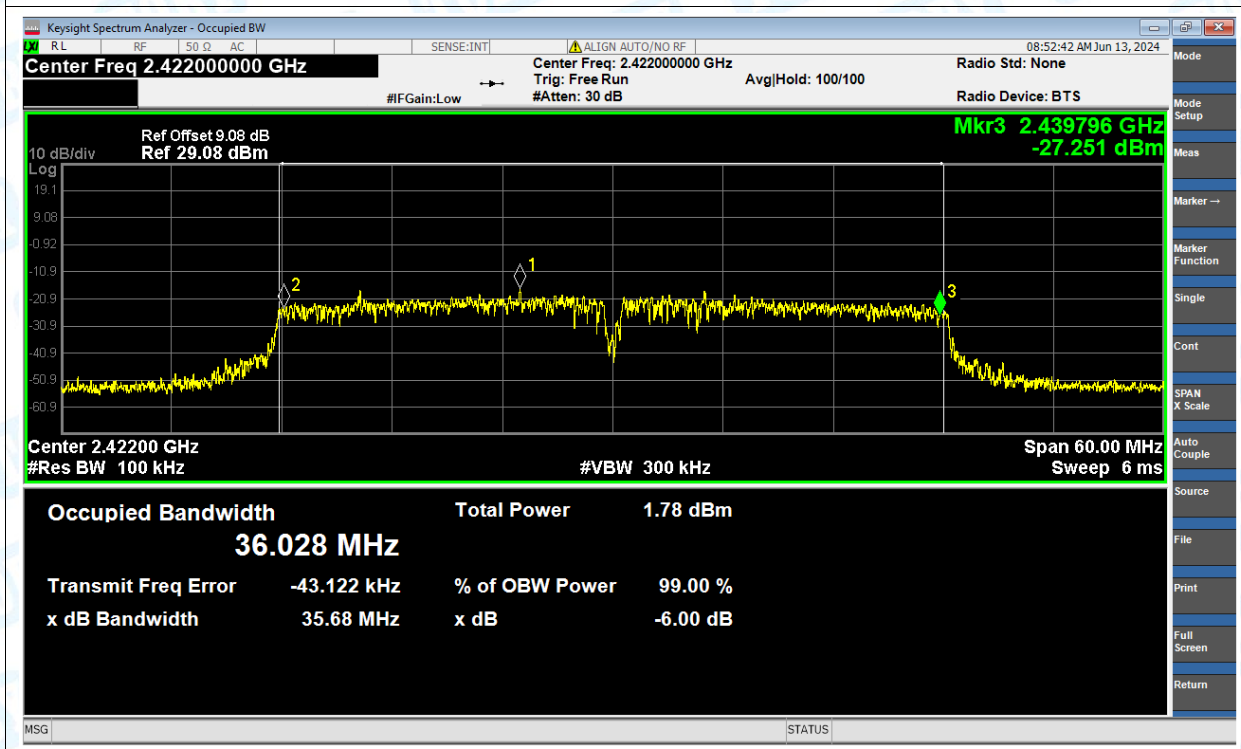
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



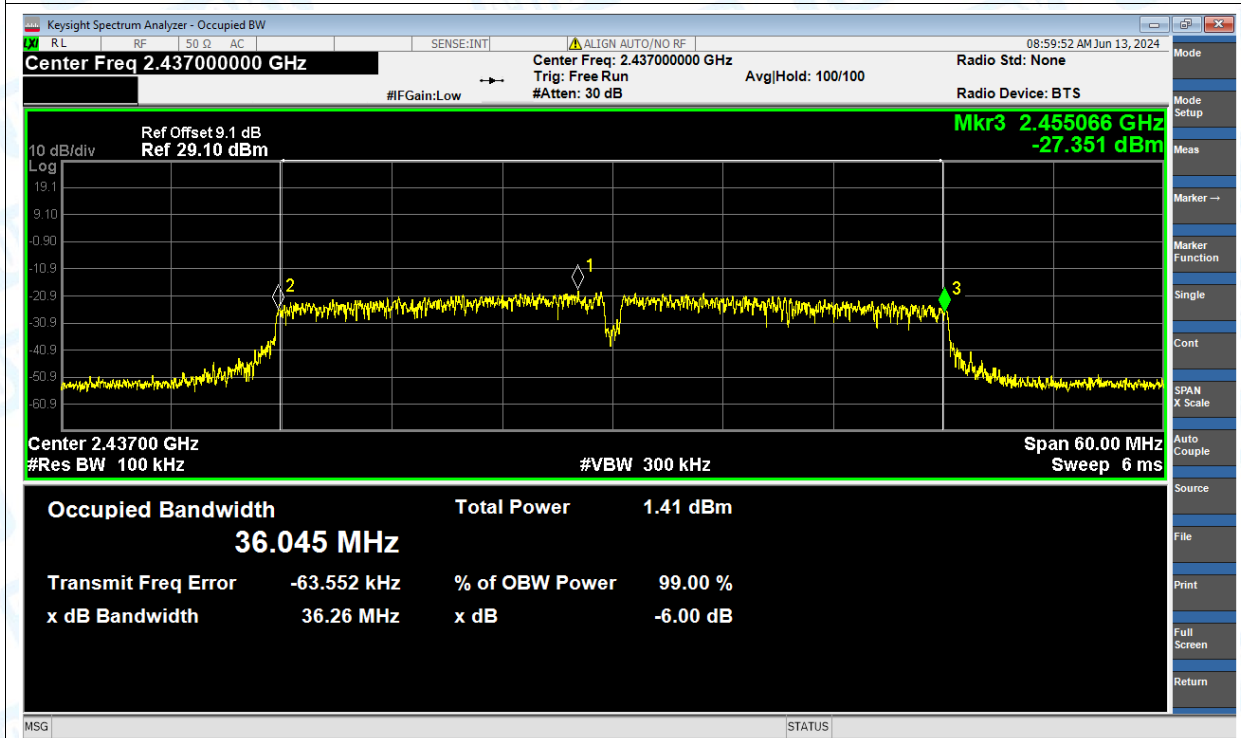
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



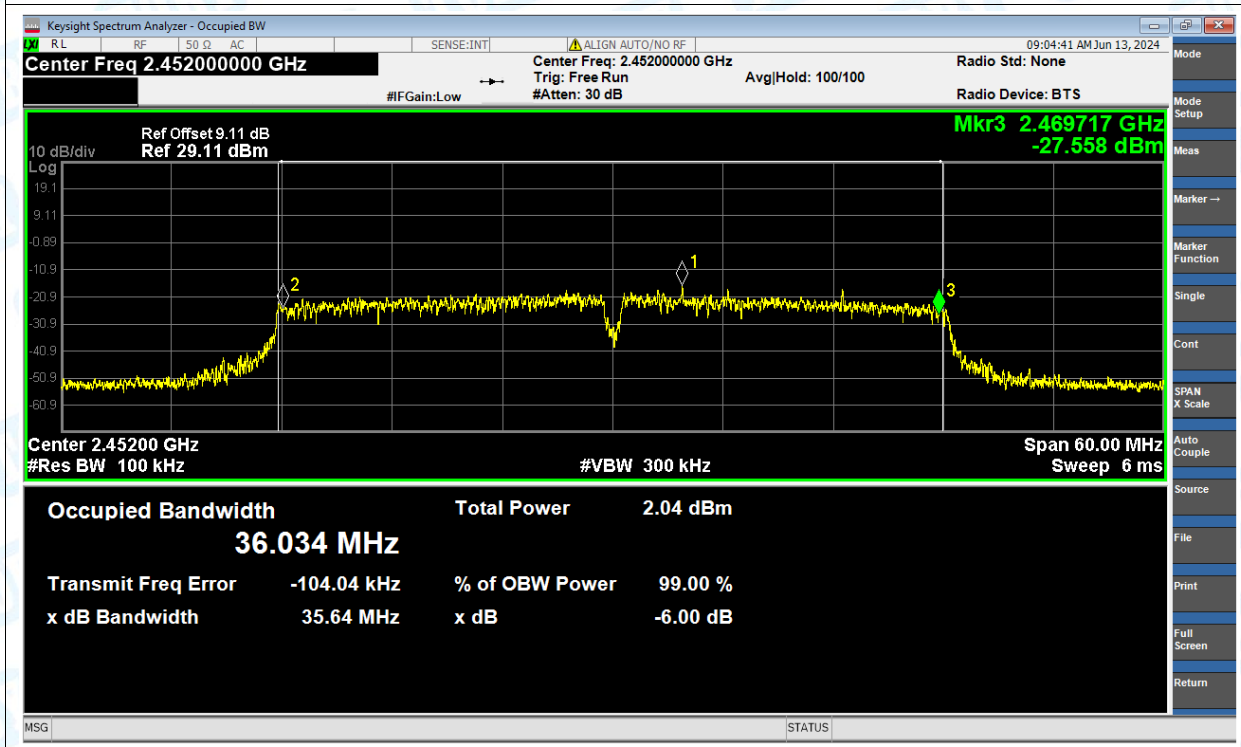
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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



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

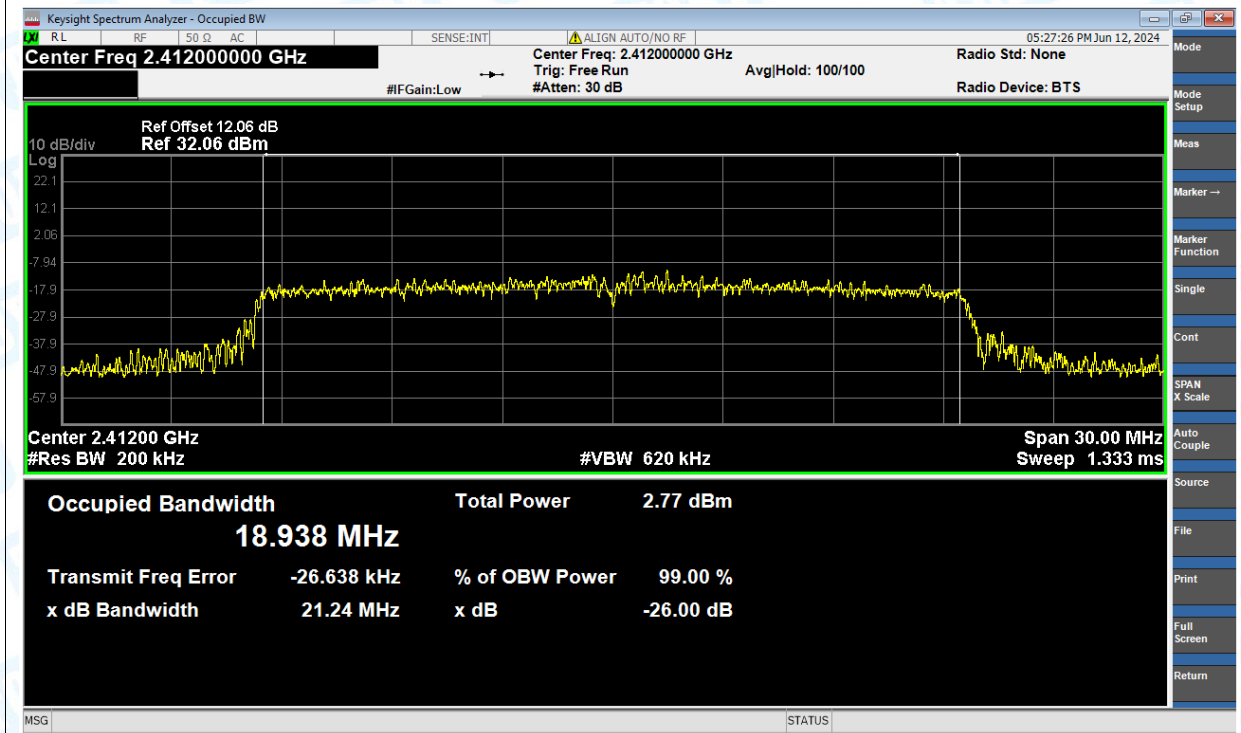


4.Occupied Channel Bandwidth

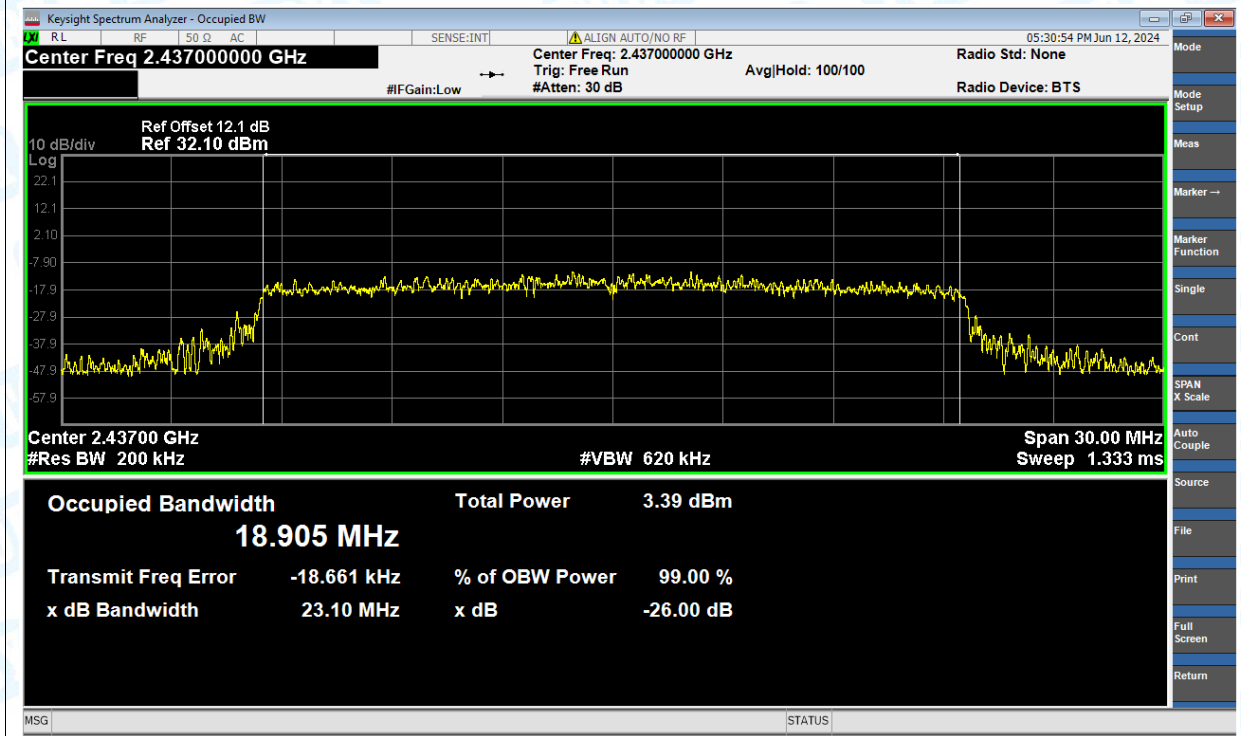
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax(VHT20)	2412	Ant1	18.938
NVNT	ax(VHT20)	2437	Ant1	18.905
NVNT	ax(VHT20)	2462	Ant1	18.921
NVNT	ax(VHT40)	2422	Ant1	37.526
NVNT	ax(VHT40)	2437	Ant1	37.642
NVNT	ax(VHT40)	2452	Ant1	37.672
NVNT	b	2412	Ant1	14.872
NVNT	b	2437	Ant1	14.89
NVNT	b	2462	Ant1	14.907
NVNT	g	2412	Ant1	16.493
NVNT	g	2437	Ant1	16.512
NVNT	g	2462	Ant1	16.437
NVNT	n(HT20)	2412	Ant1	17.714
NVNT	n(HT20)	2437	Ant1	17.694
NVNT	n(HT20)	2462	Ant1	17.685
NVNT	n(HT40)	2422	Ant1	36.08
NVNT	n(HT40)	2437	Ant1	36.111
NVNT	n(HT40)	2452	Ant1	36.096

Test Graphs

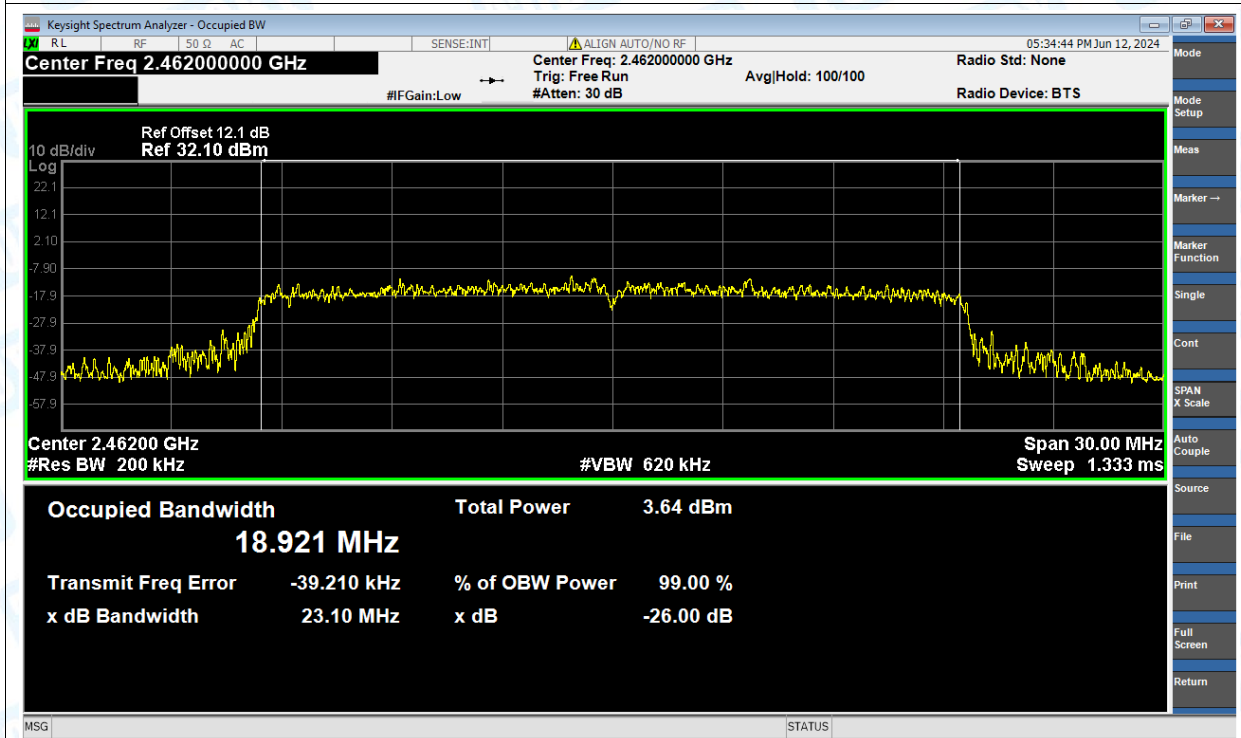
OBW NVNT ax(VHT20) 2412MHz Ant1



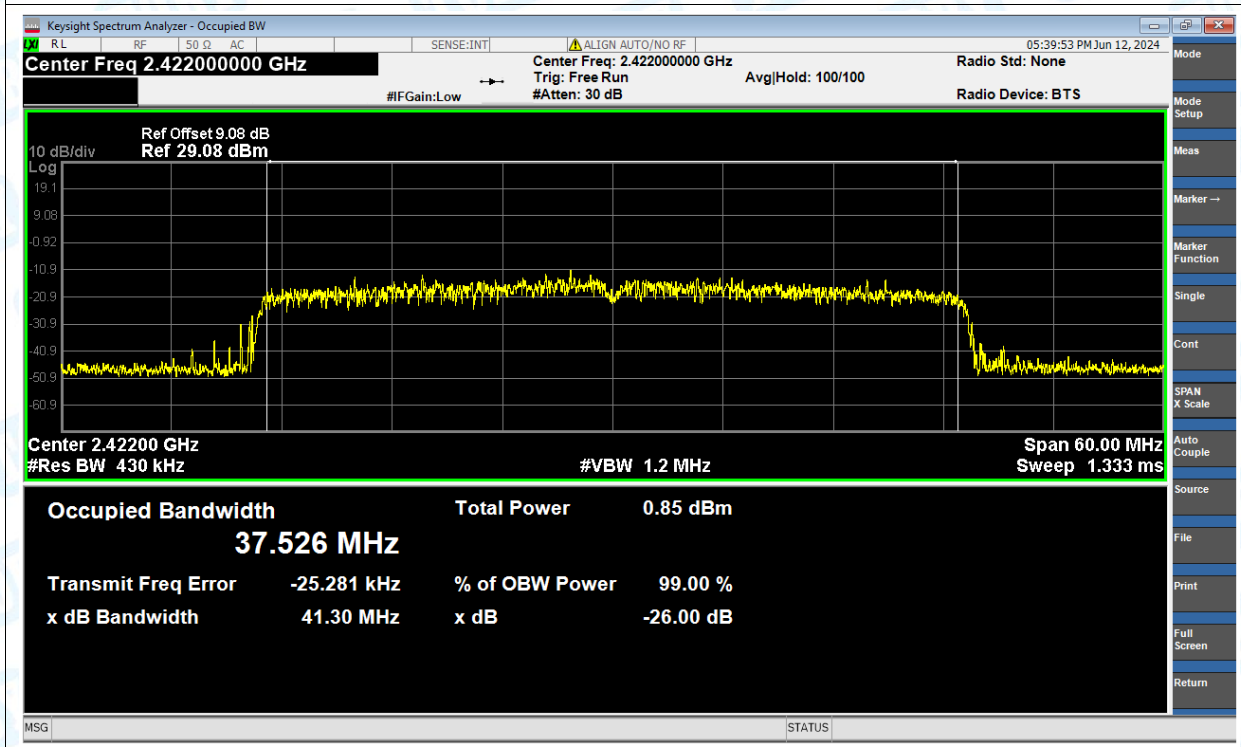
OBW NVNT ax(VHT20) 2437MHz Ant1



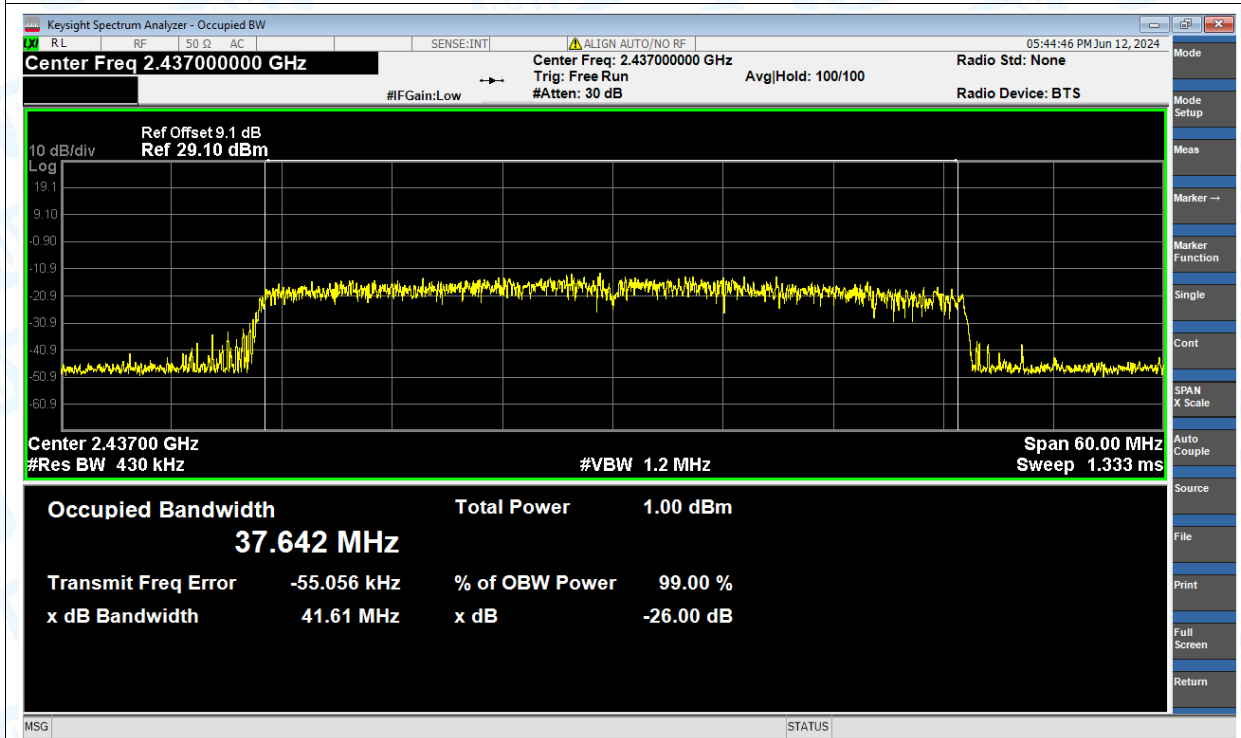
OBW NVNT ax(VHT20) 2462MHz Ant1



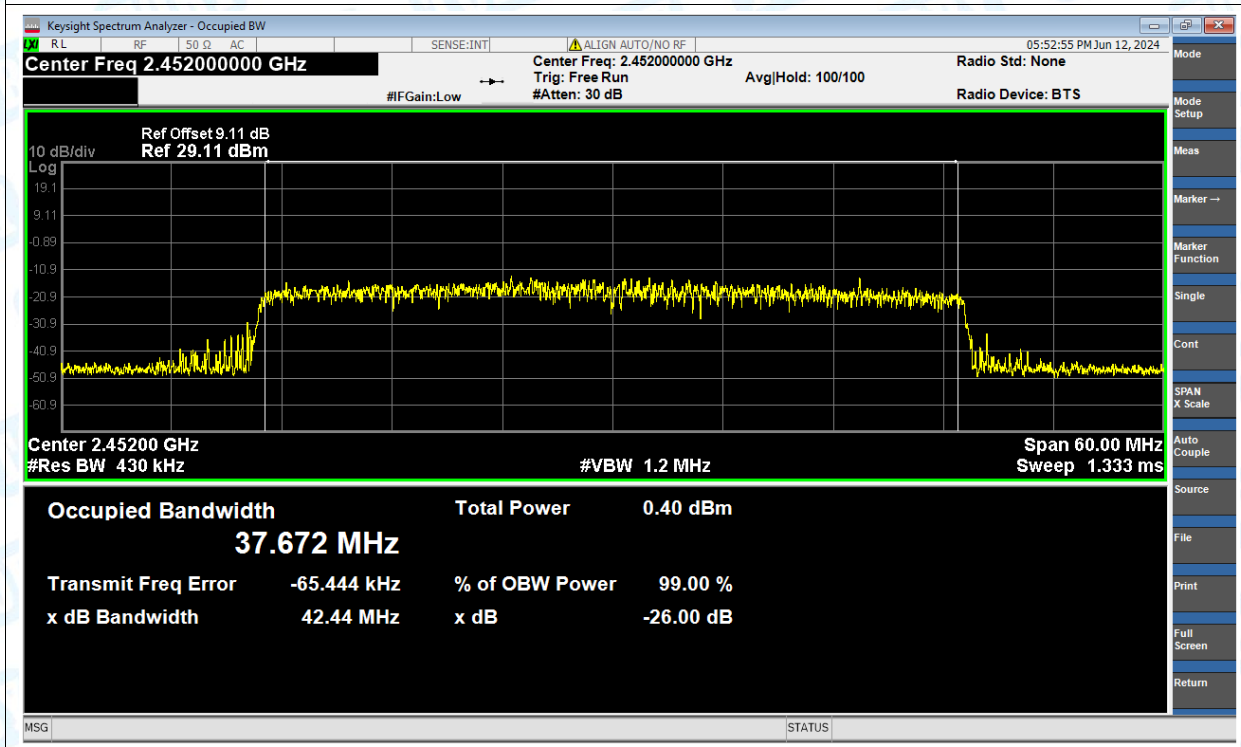
OBW NVNT ax(VHT40) 2422MHz Ant1



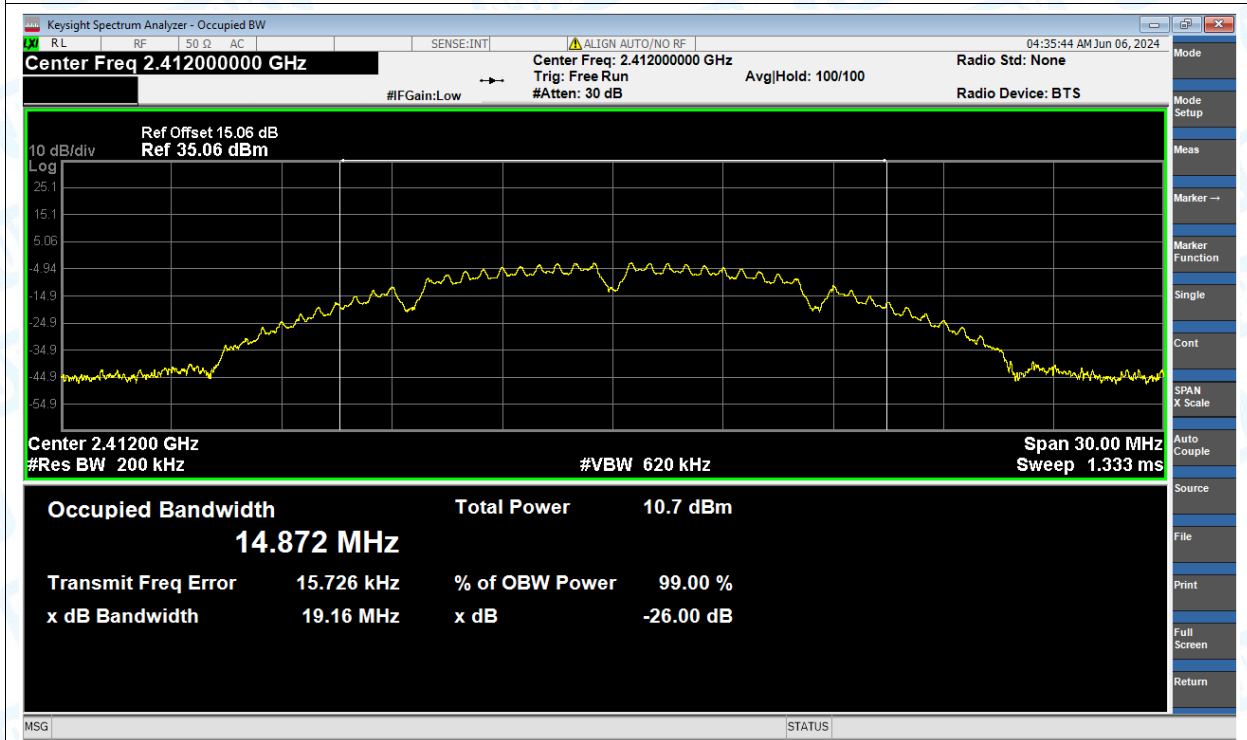
OBW NVNT ax(VHT40) 2437MHz Ant1



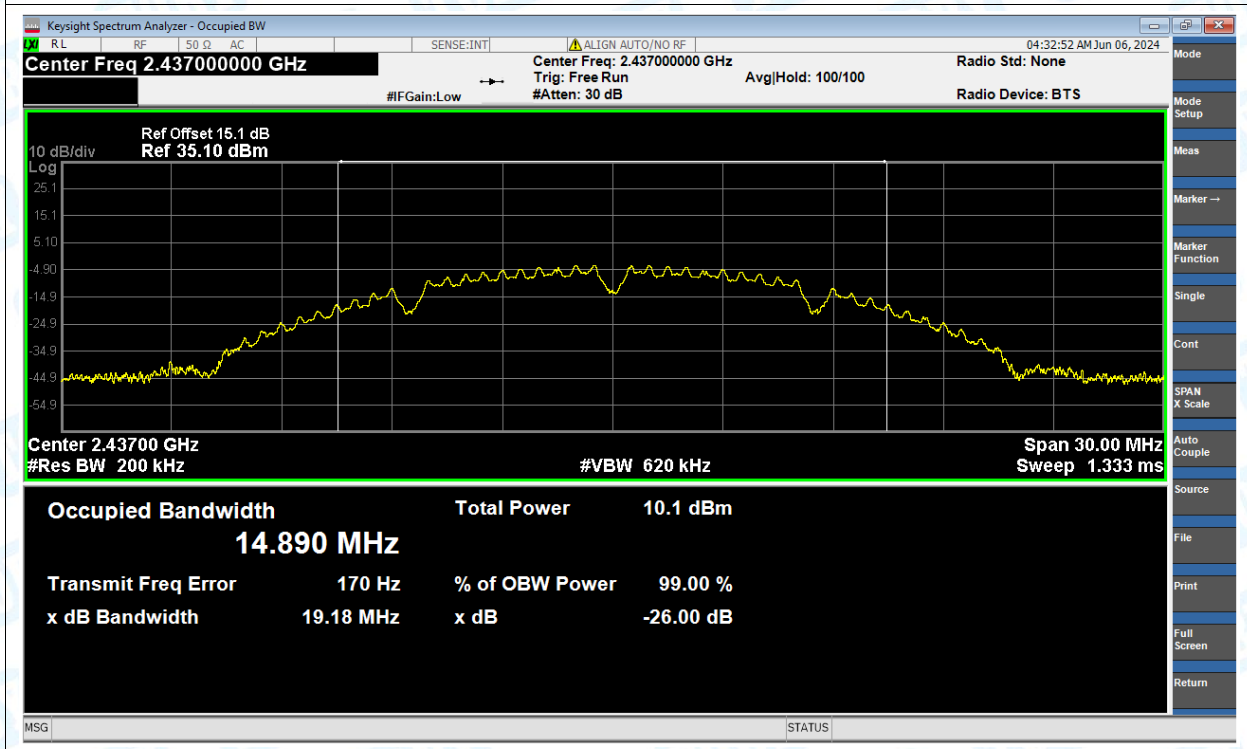
OBW NVNT ax(VHT40) 2452MHz Ant1



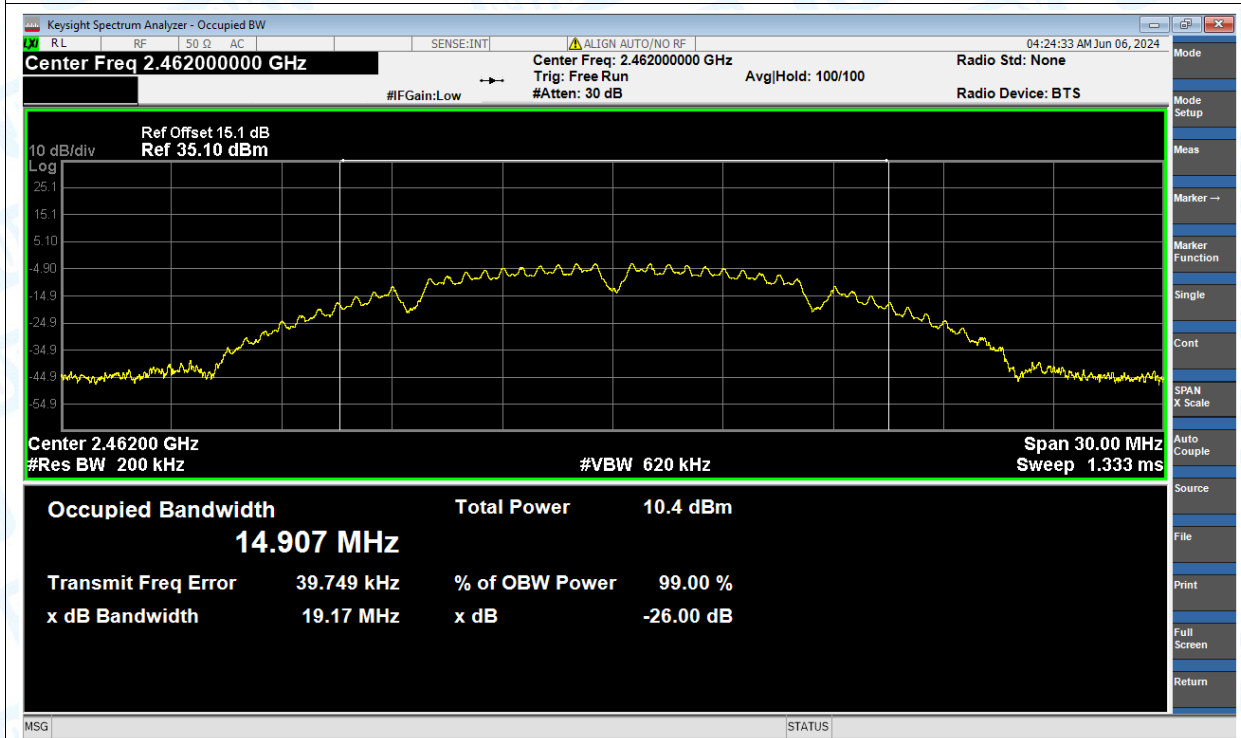
OBV NVNT b 2412MHz Ant1



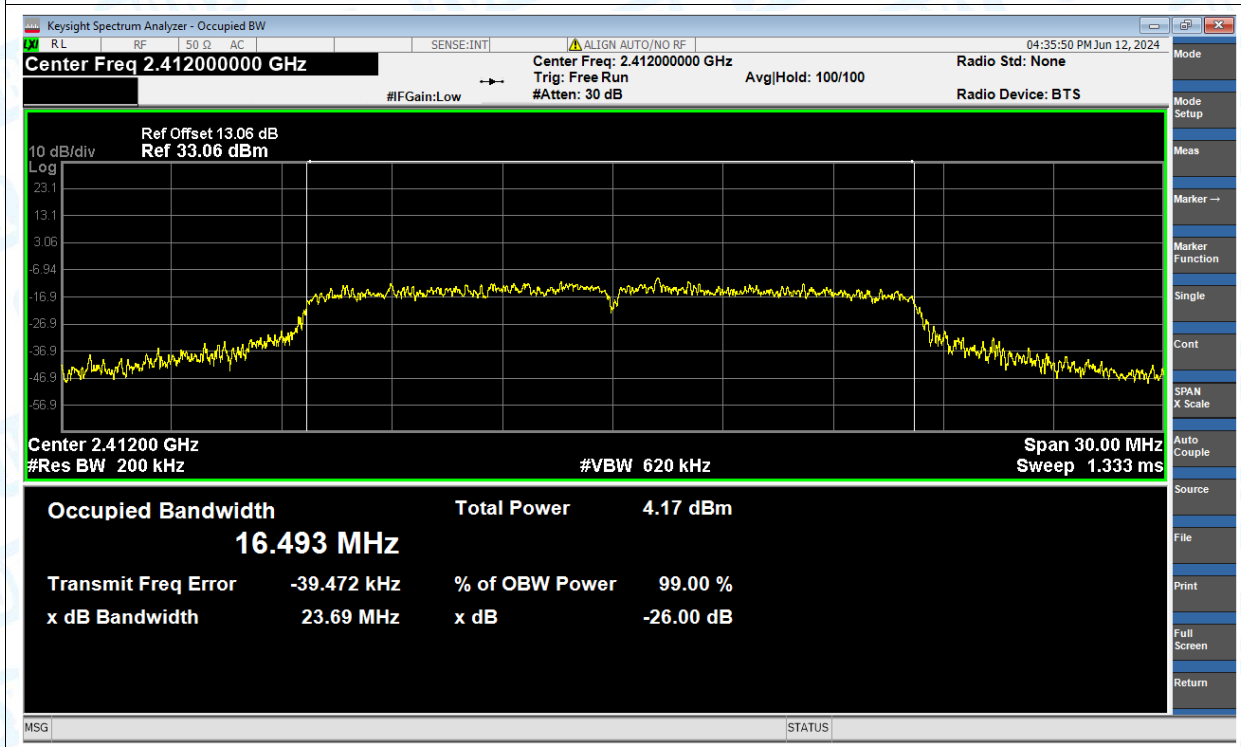
OBV NVNT b 2437MHz Ant1



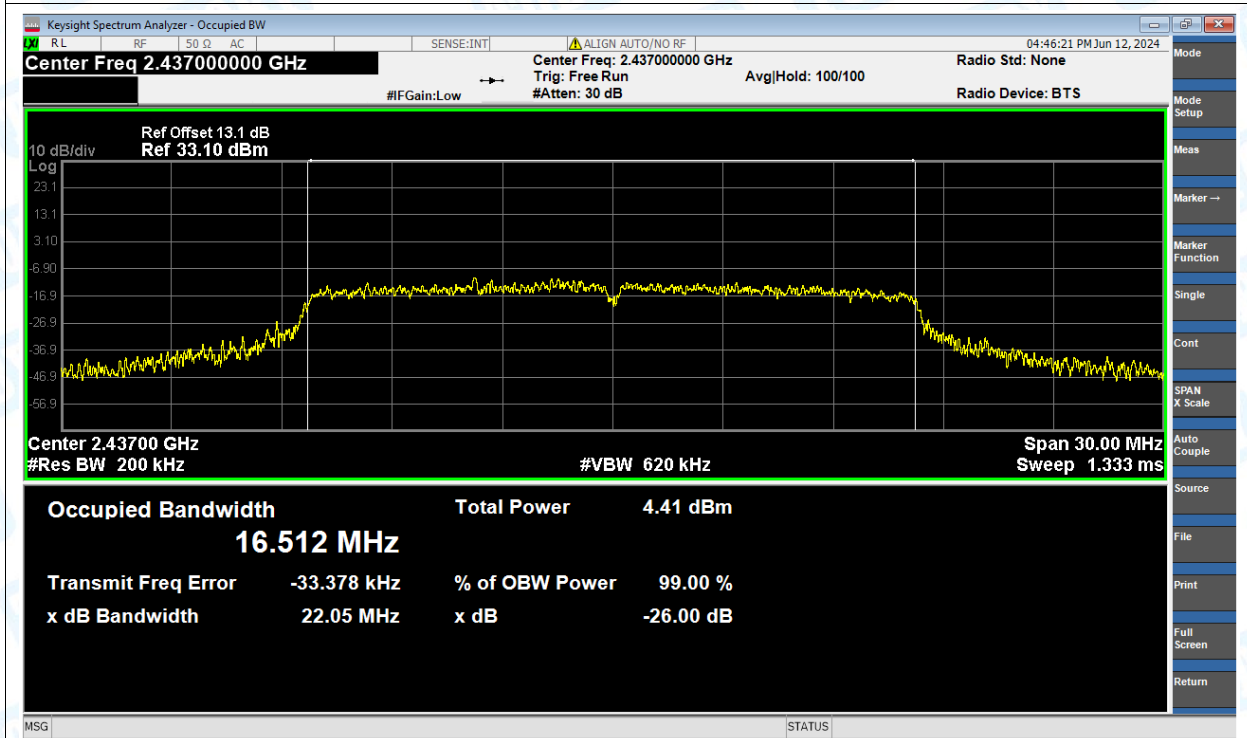
OBW NVNT b 2462MHz Ant1



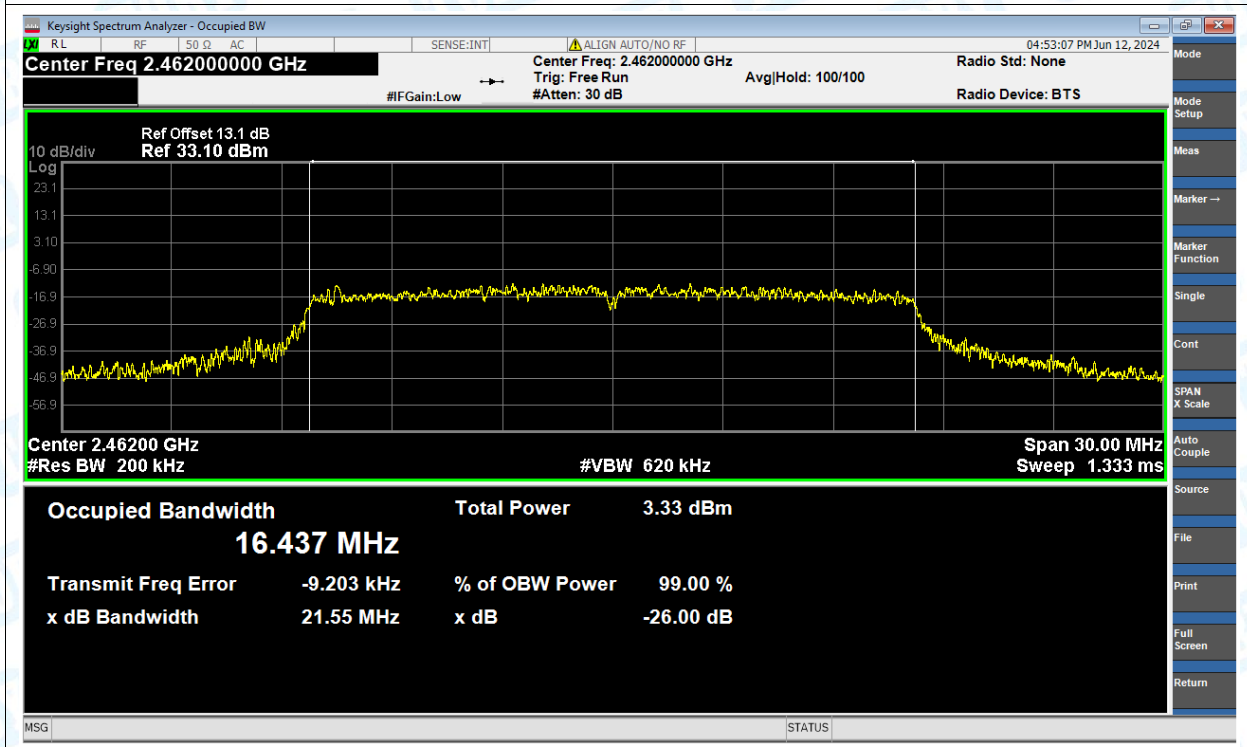
OBW NVNT g 2412MHz Ant1



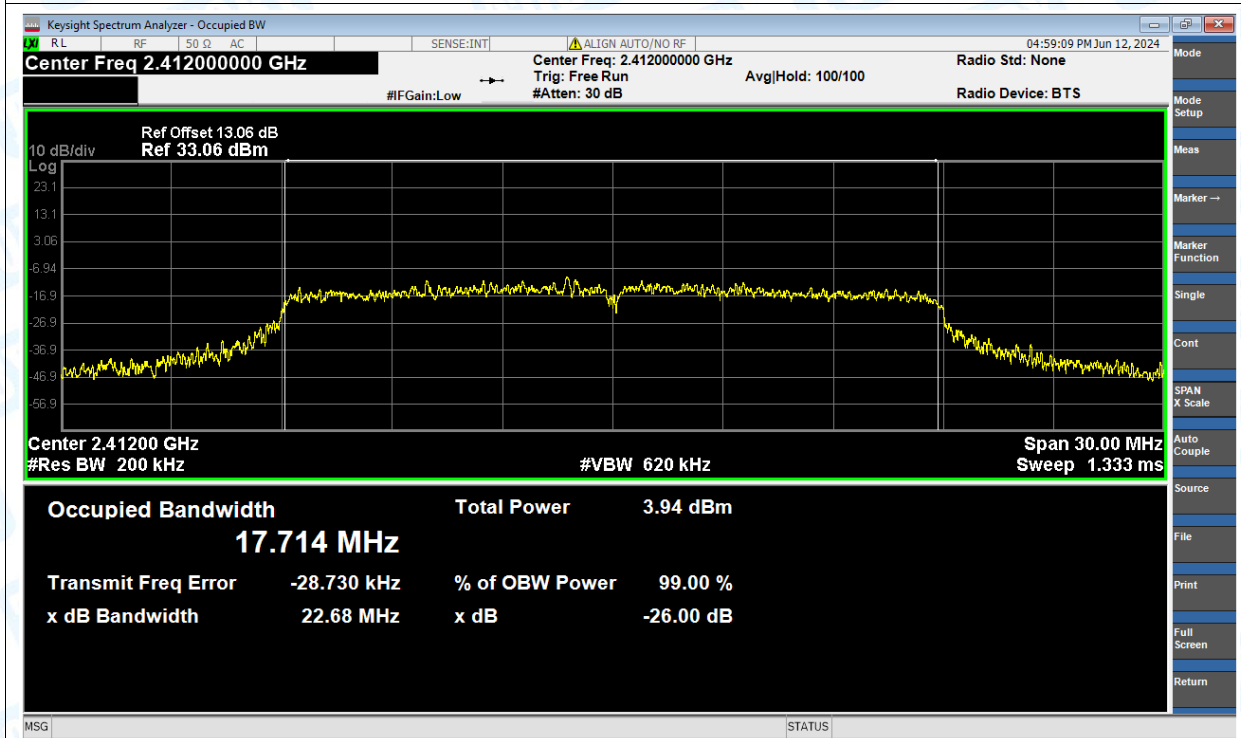
OBW NVNT g 2437MHz Ant1



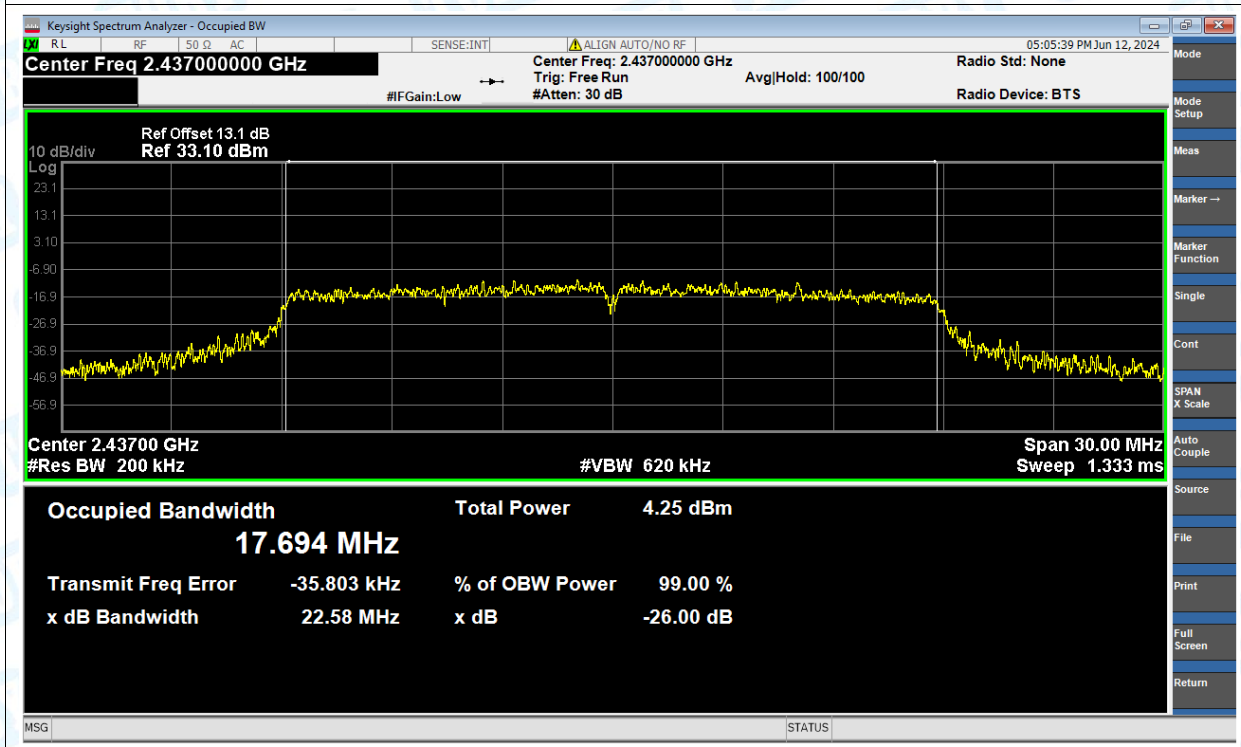
OBW NVNT g 2462MHz Ant1



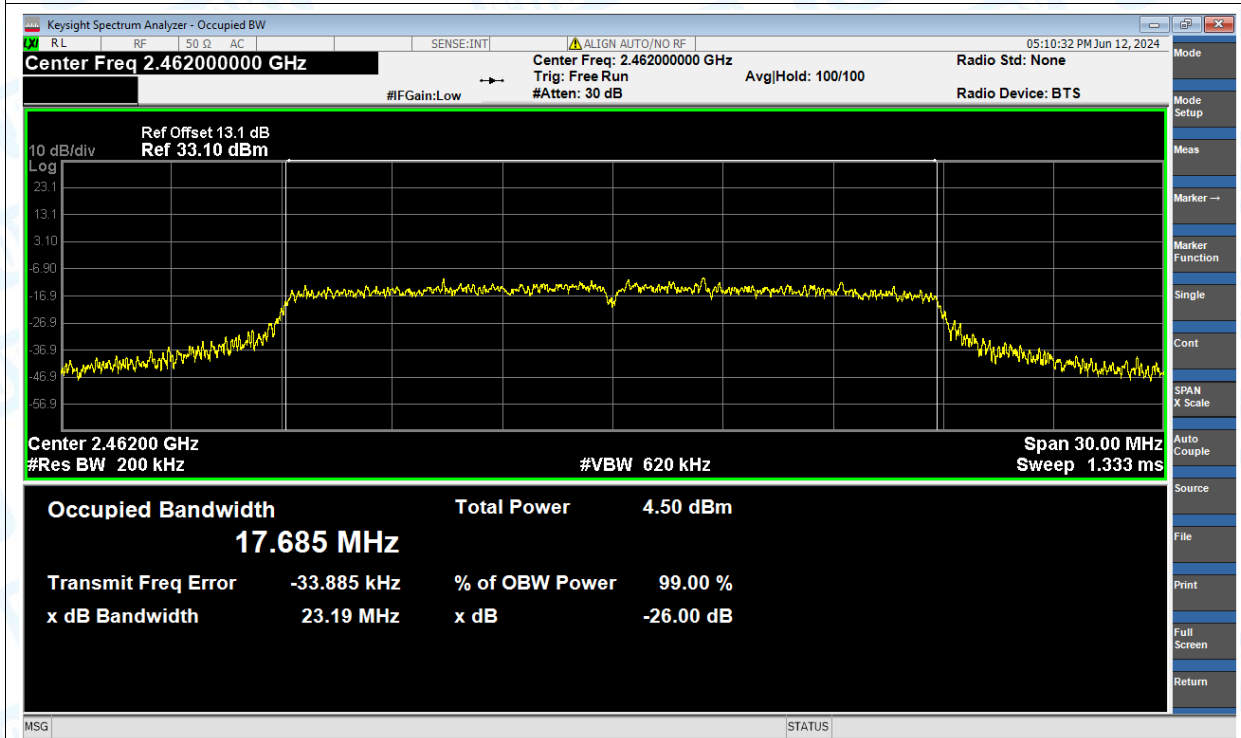
OBW NVNT n(HT20) 2412MHz Ant1



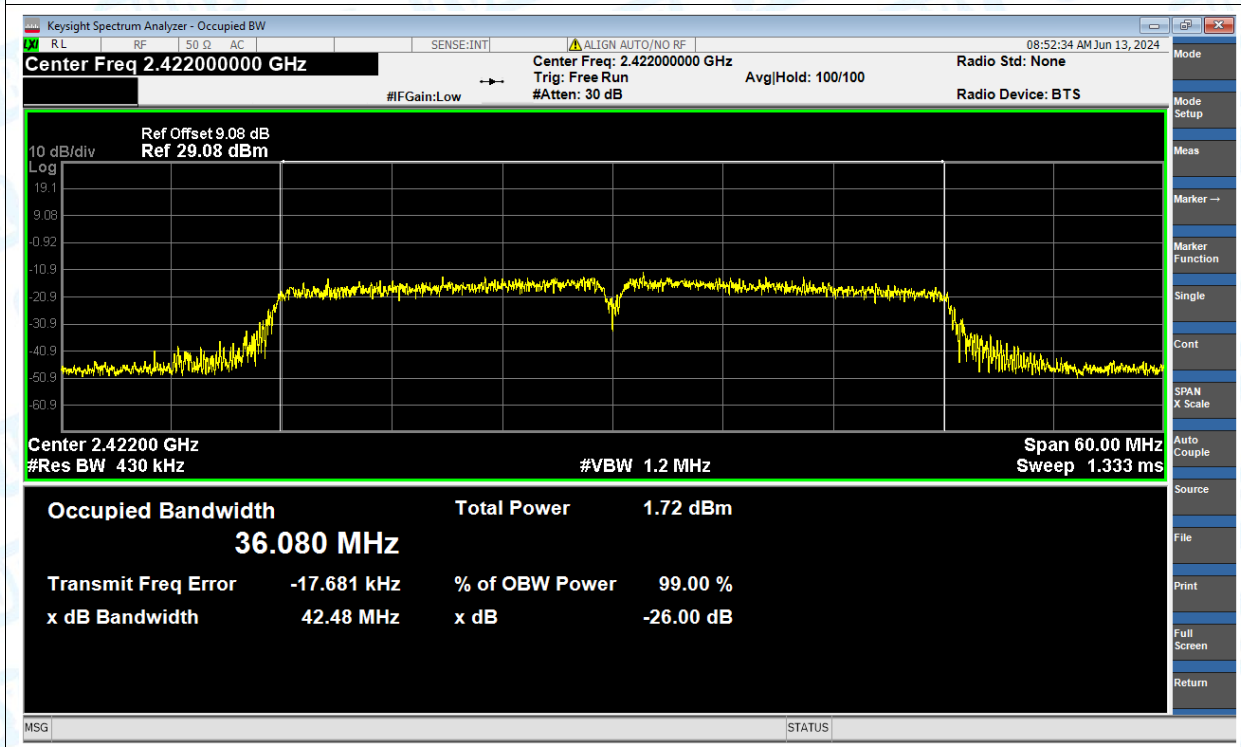
OBW NVNT n(HT20) 2437MHz Ant1



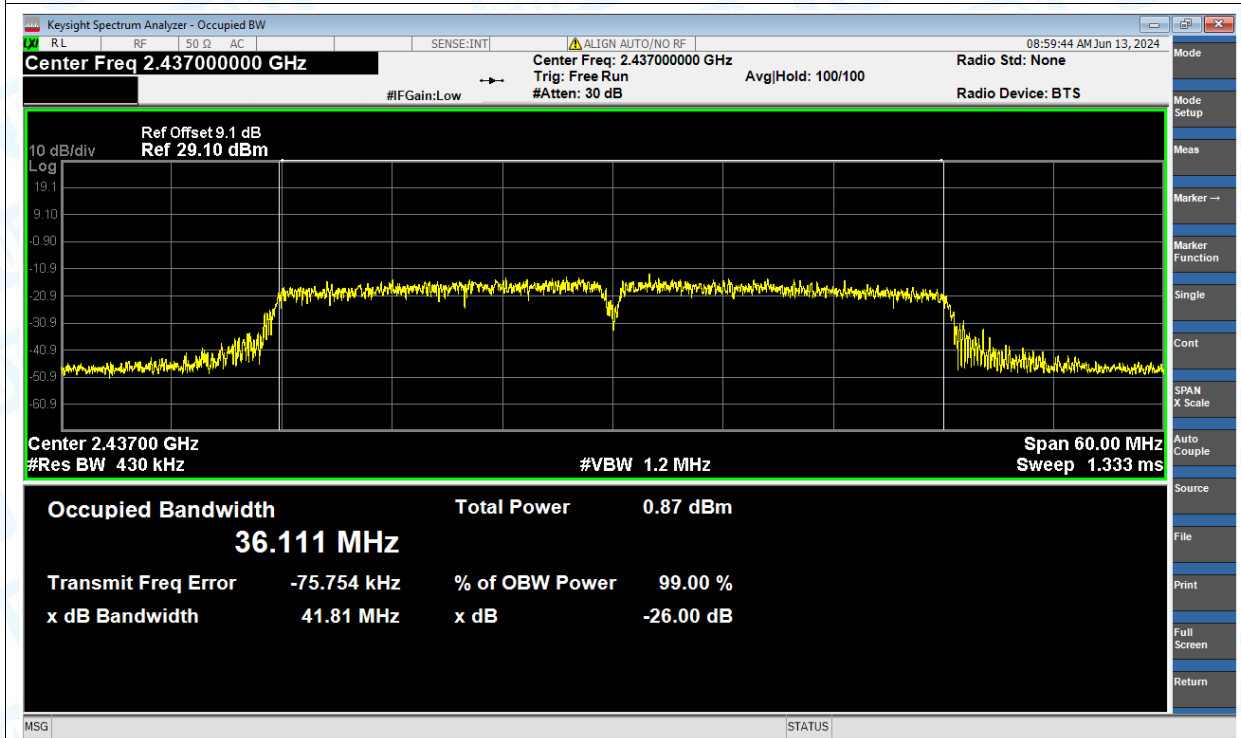
OBW NVNT n(HT20) 2462MHz Ant1



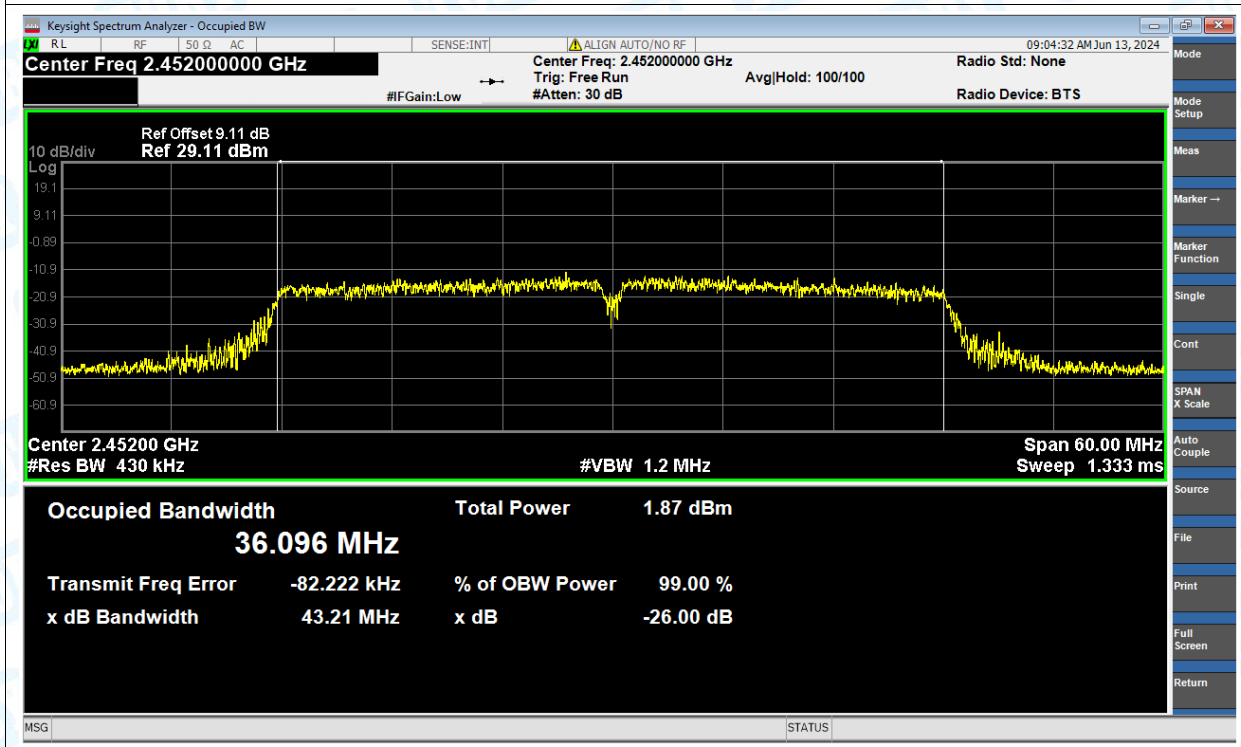
OBW NVNT n(HT40) 2422MHz Ant1



OBV NVNT n(HT40) 2437MHz Ant1



OBV NVNT n(HT40) 2452MHz Ant1



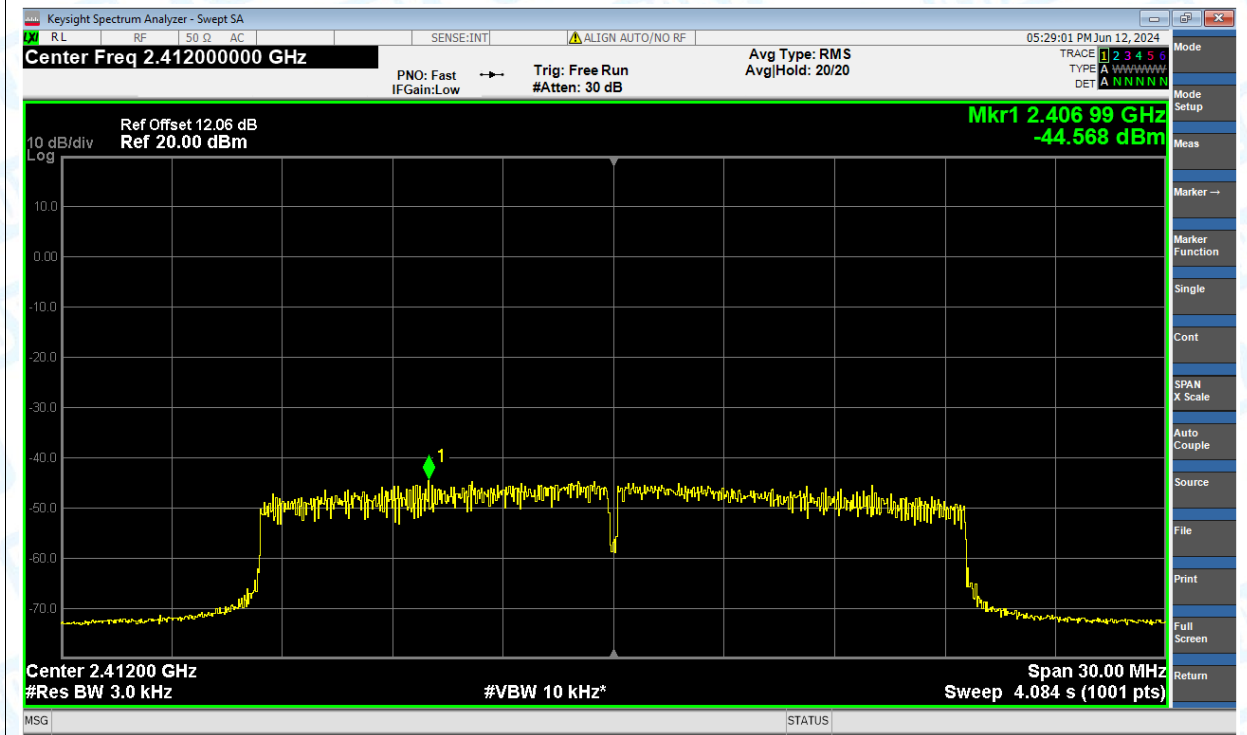
5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-44.568	8	Pass
NVNT	ax(VHT20)	2437	Ant1	-43.504	8	Pass
NVNT	ax(VHT20)	2462	Ant1	-43.619	8	Pass
NVNT	ax(VHT40)	2422	Ant1	-52.276	8	Pass
NVNT	ax(VHT40)	2437	Ant1	-52.716	8	Pass
NVNT	ax(VHT40)	2452	Ant1	-51.808	8	Pass
NVNT	b	2412	Ant1	-26.981	8	Pass
NVNT	b	2437	Ant1	-27.993	8	Pass
NVNT	b	2462	Ant1	-28.22	8	Pass
NVNT	g	2412	Ant1	-41.02	8	Pass
NVNT	g	2437	Ant1	-39.969	8	Pass
NVNT	g	2462	Ant1	-39.969	8	Pass
NVNT	n(HT20)	2412	Ant1	-39.744	8	Pass
NVNT	n(HT20)	2437	Ant1	-40.362	8	Pass
NVNT	n(HT20)	2462	Ant1	-41.225	8	Pass
NVNT	n(HT40)	2422	Ant1	-49.731	8	Pass
NVNT	n(HT40)	2437	Ant1	-49.684	8	Pass
NVNT	n(HT40)	2452	Ant1	-49.396	8	Pass

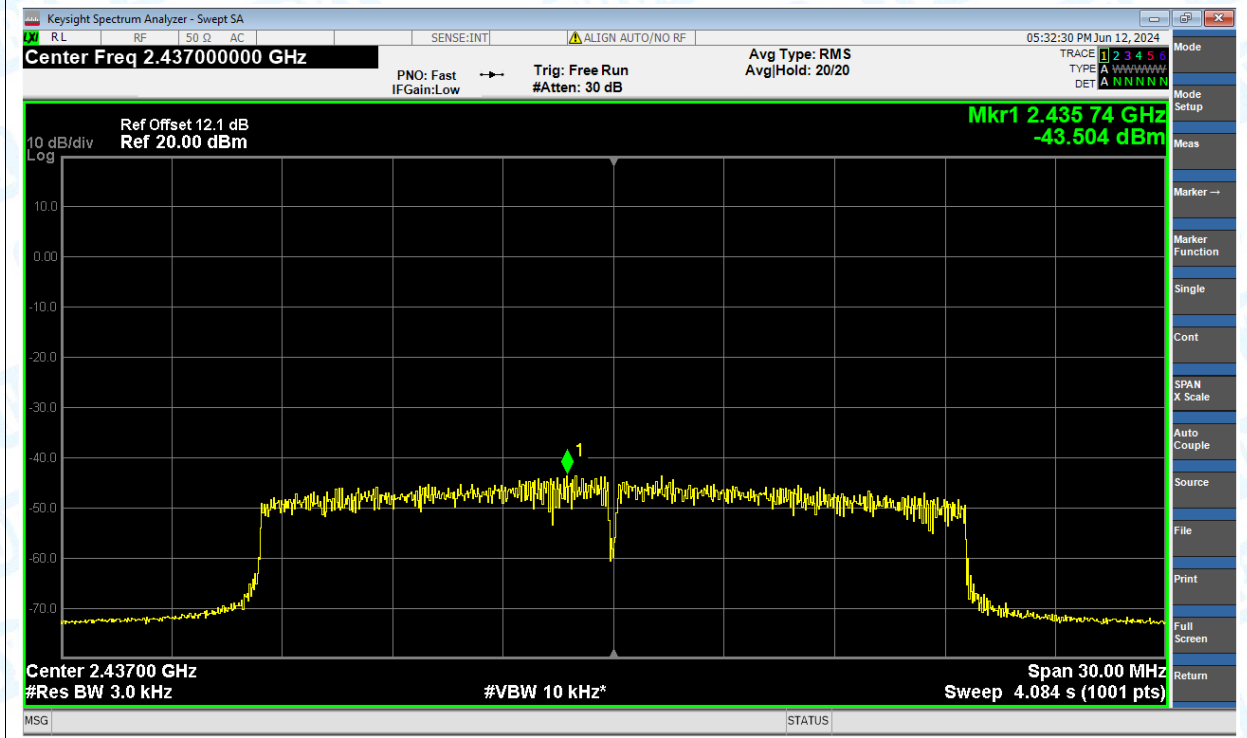
Note: The duty factor has been compensated into the result.

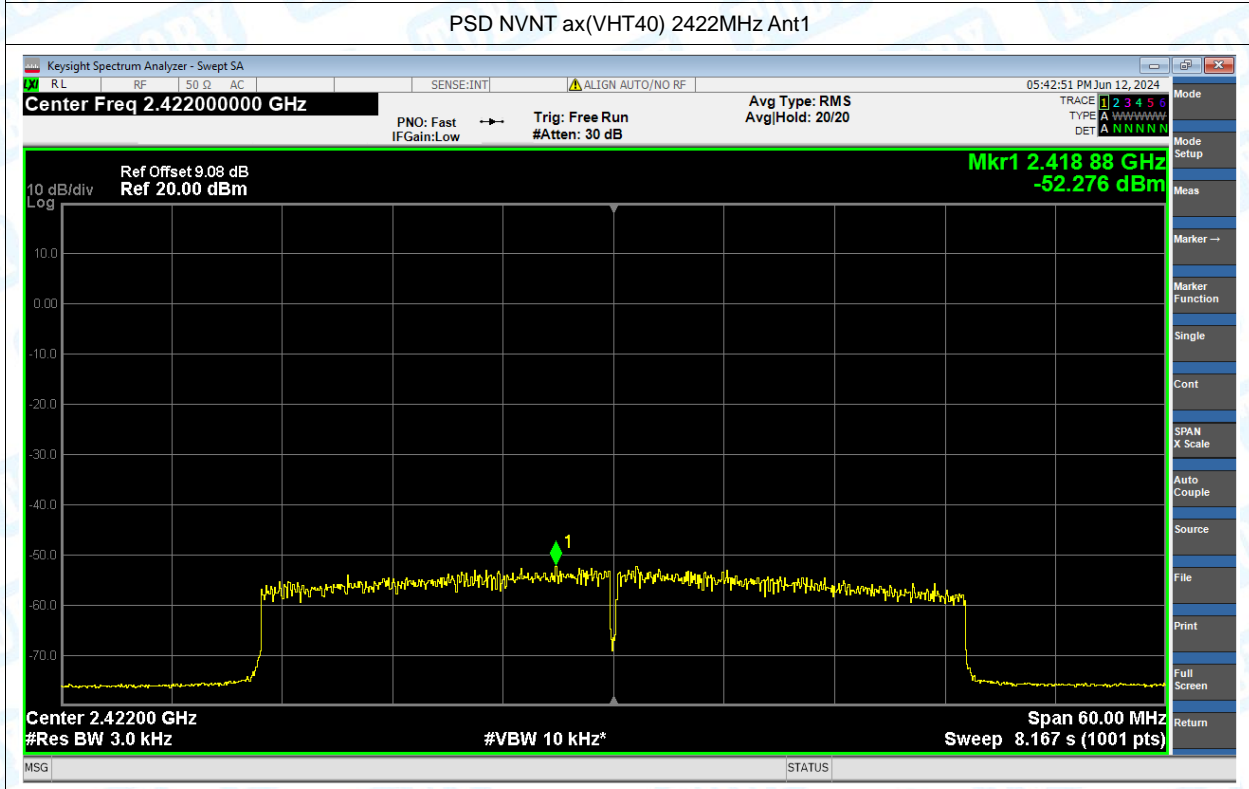
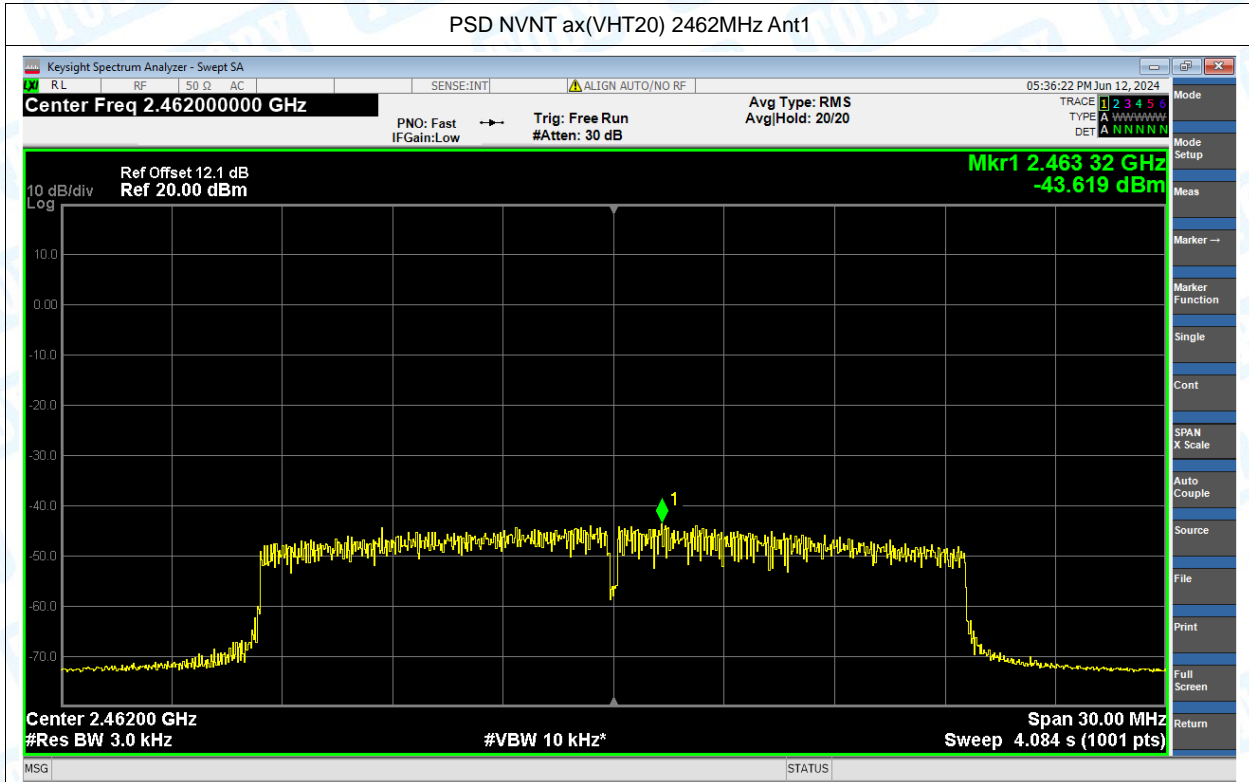
Test Graphs

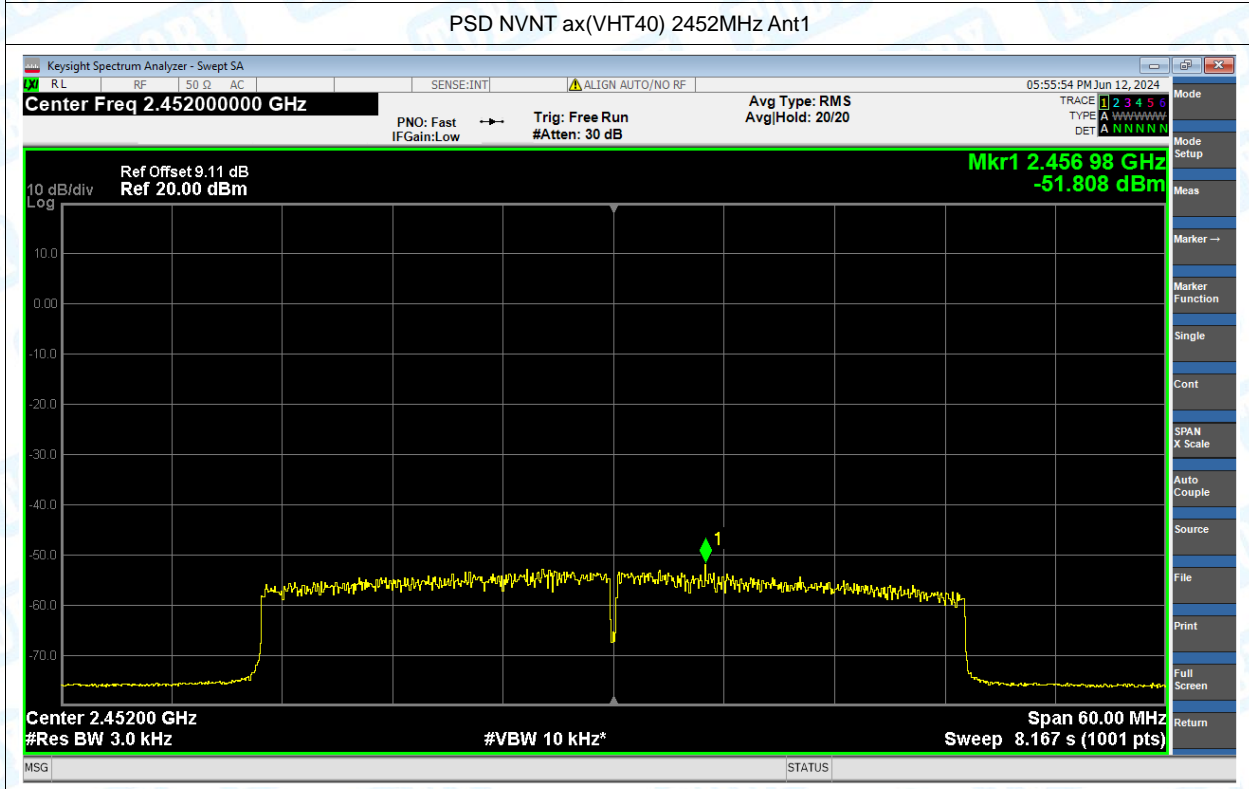
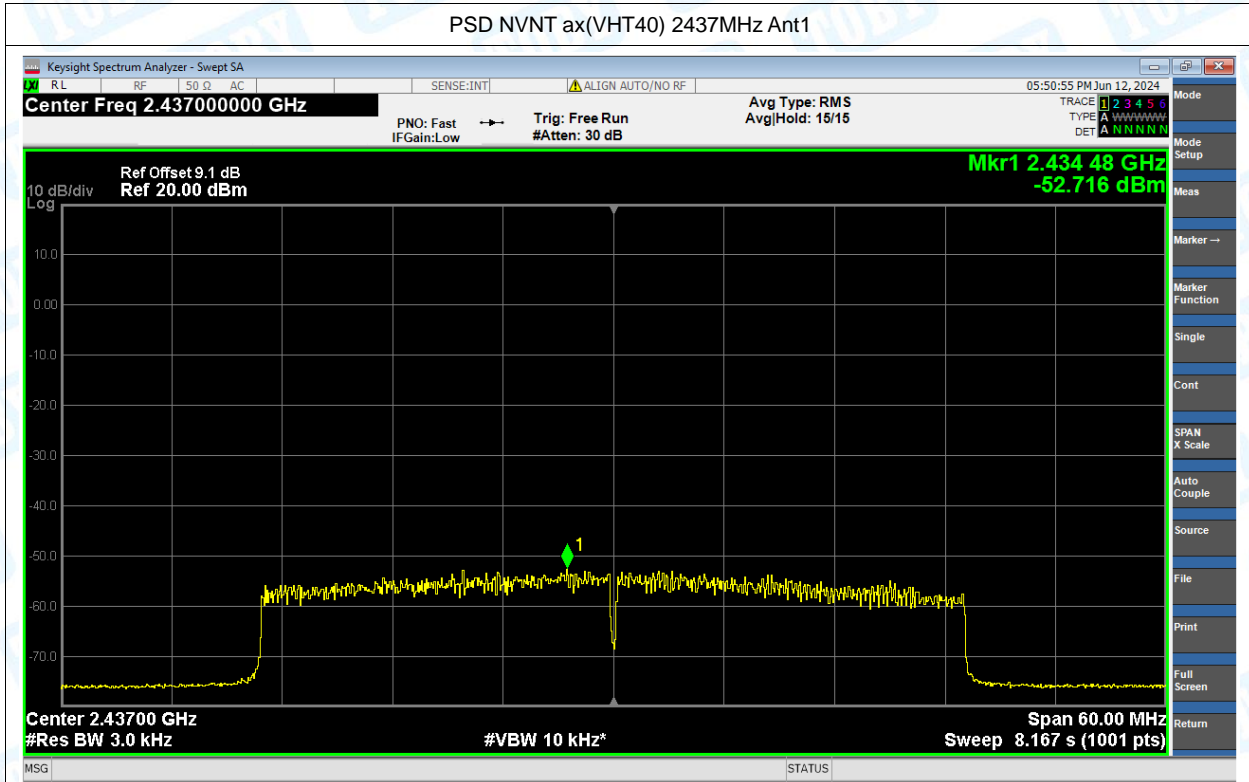
PSD NVNT ax(VHT20) 2412MHz Ant1



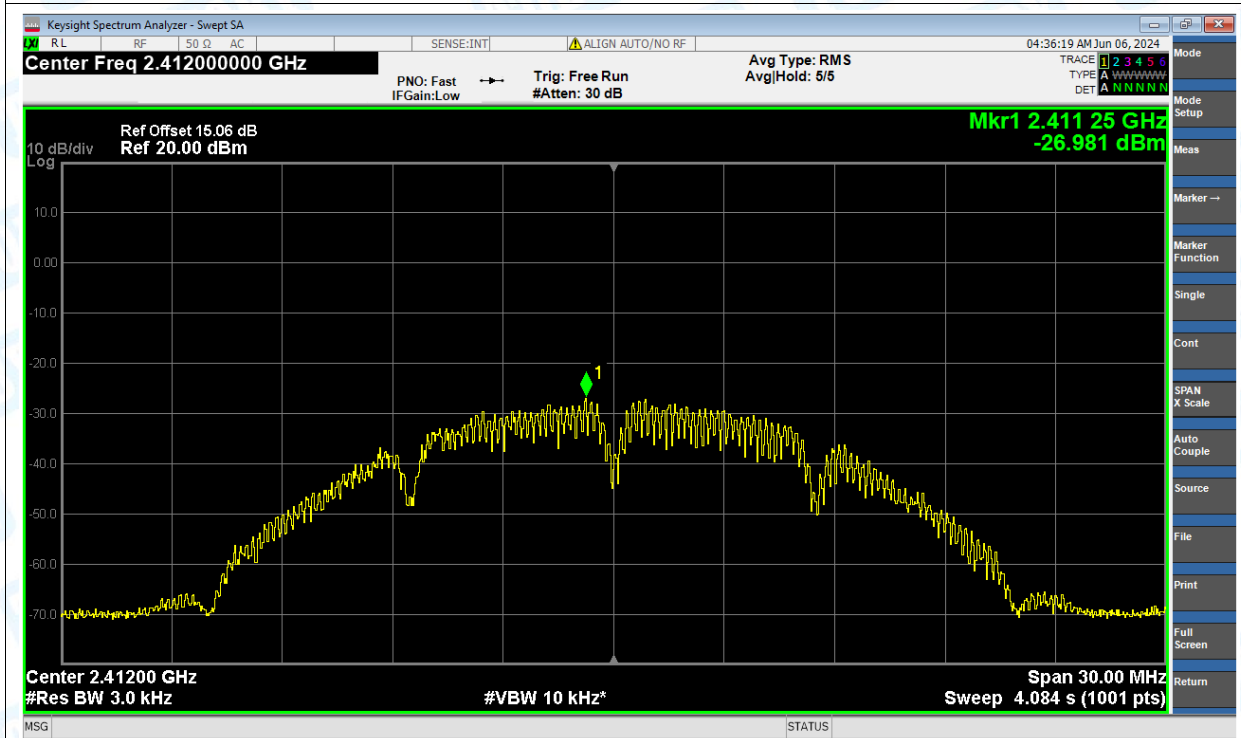
PSD NVNT ax(VHT20) 2437MHz Ant1



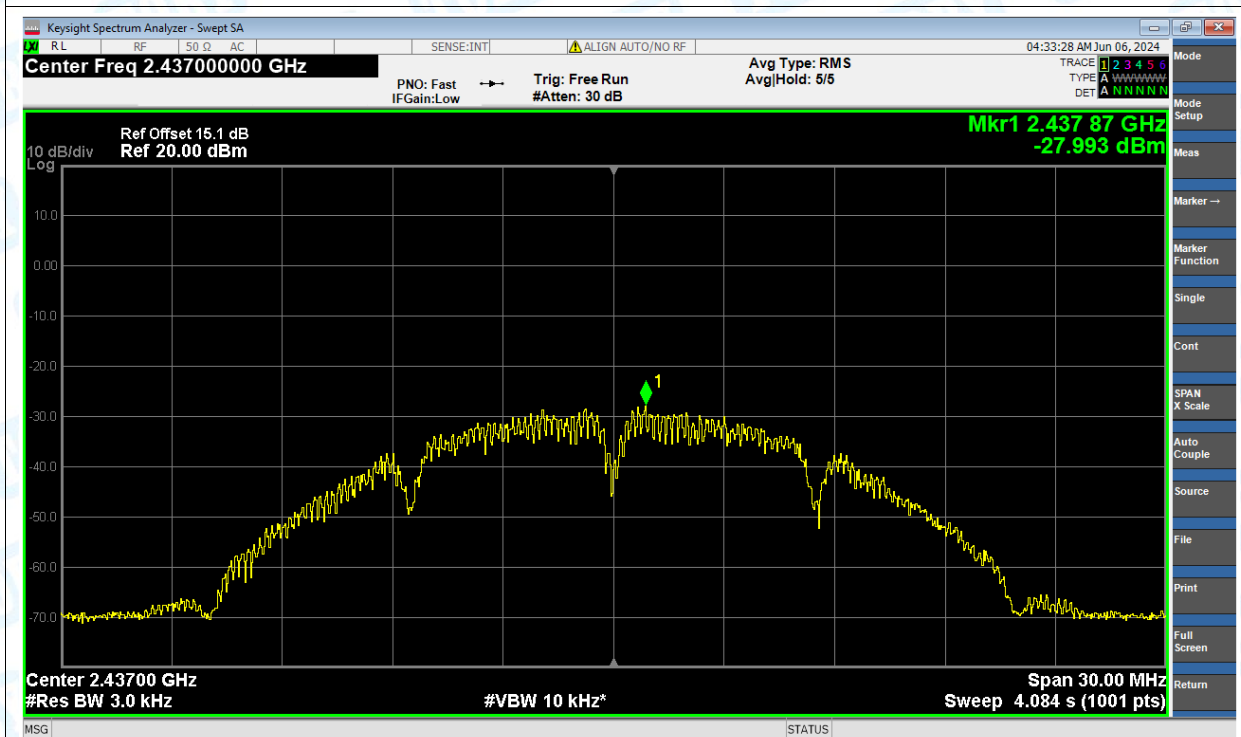




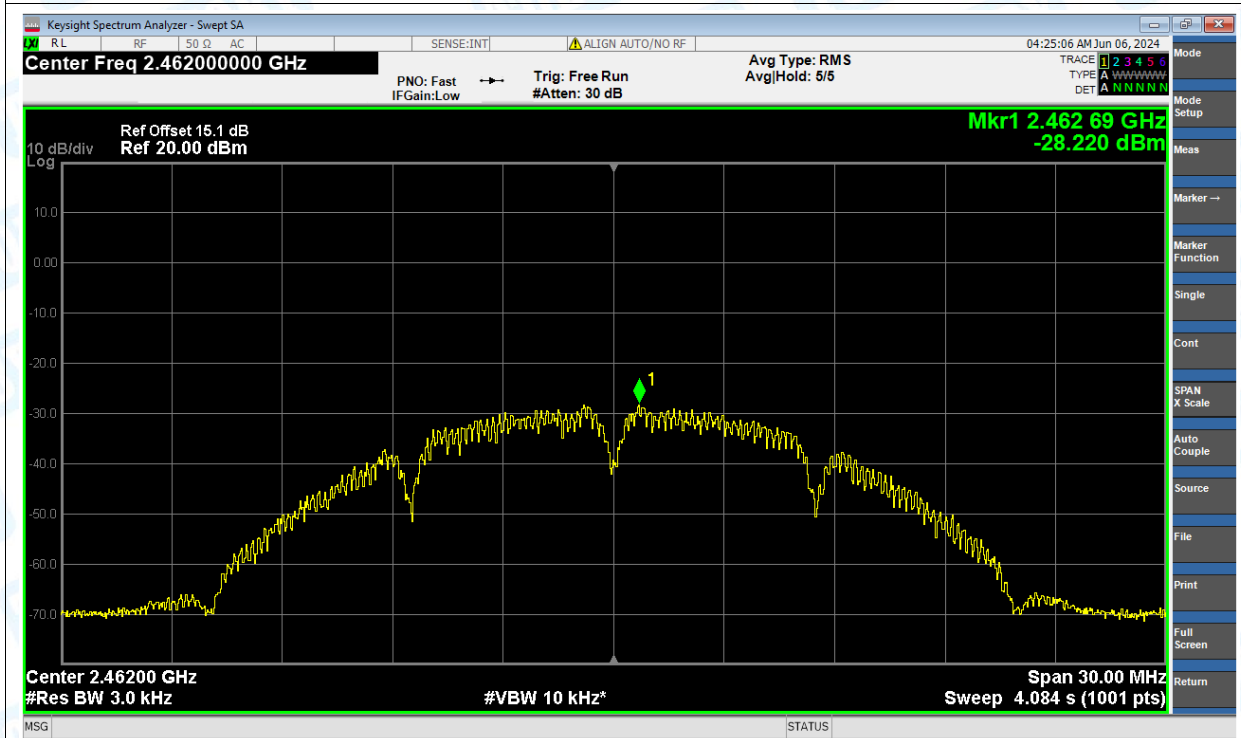
PSD NVNT b 2412MHz Ant1



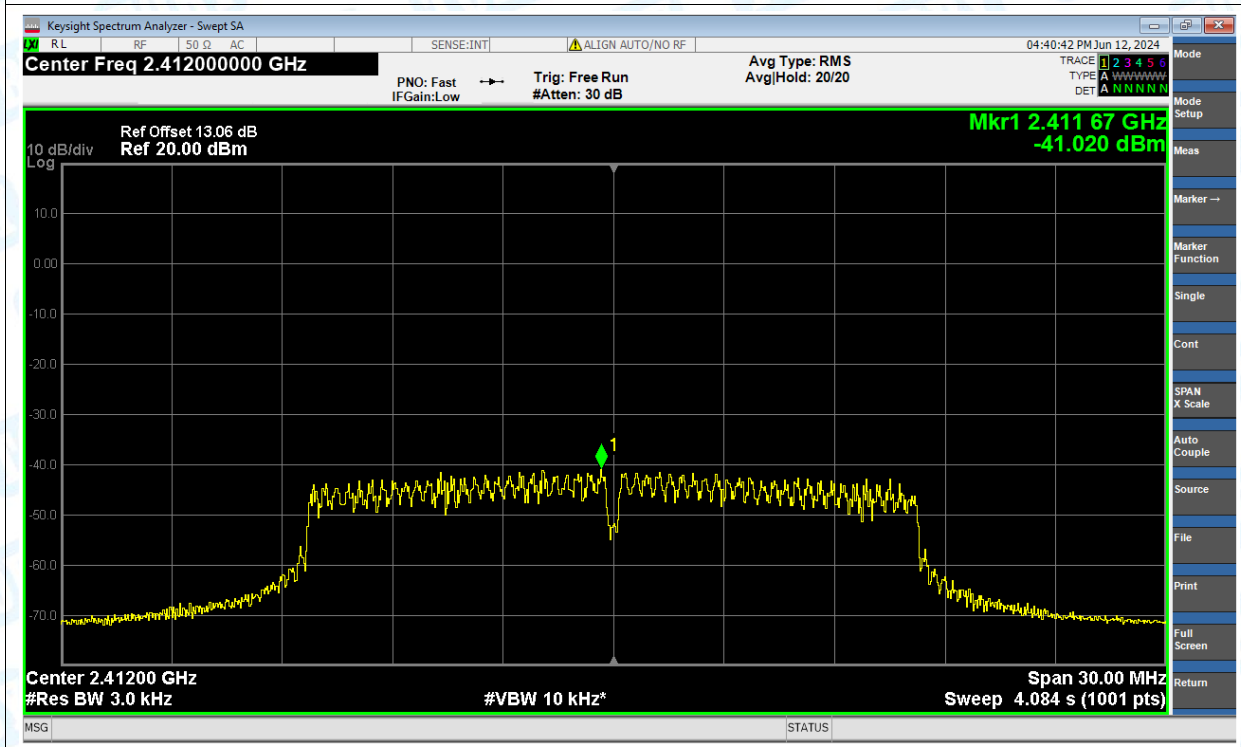
PSD NVNT b 2437MHz Ant1

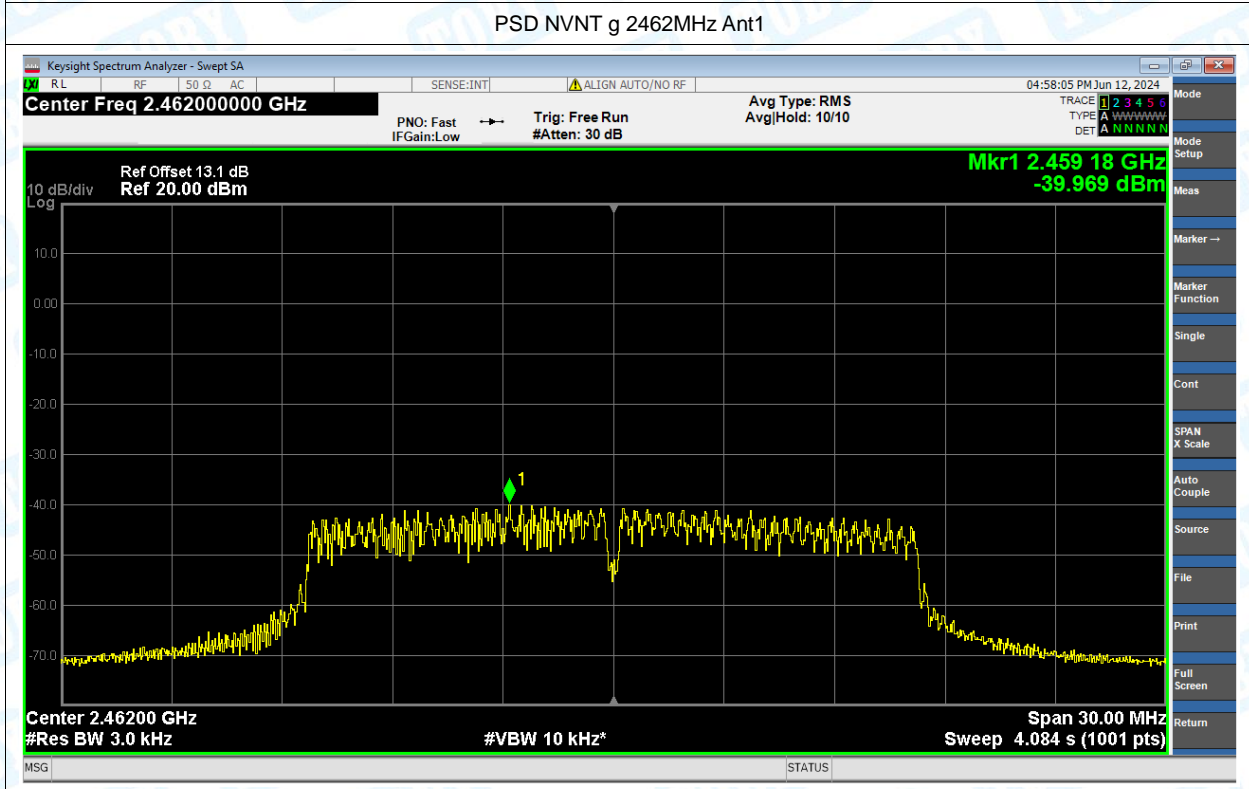
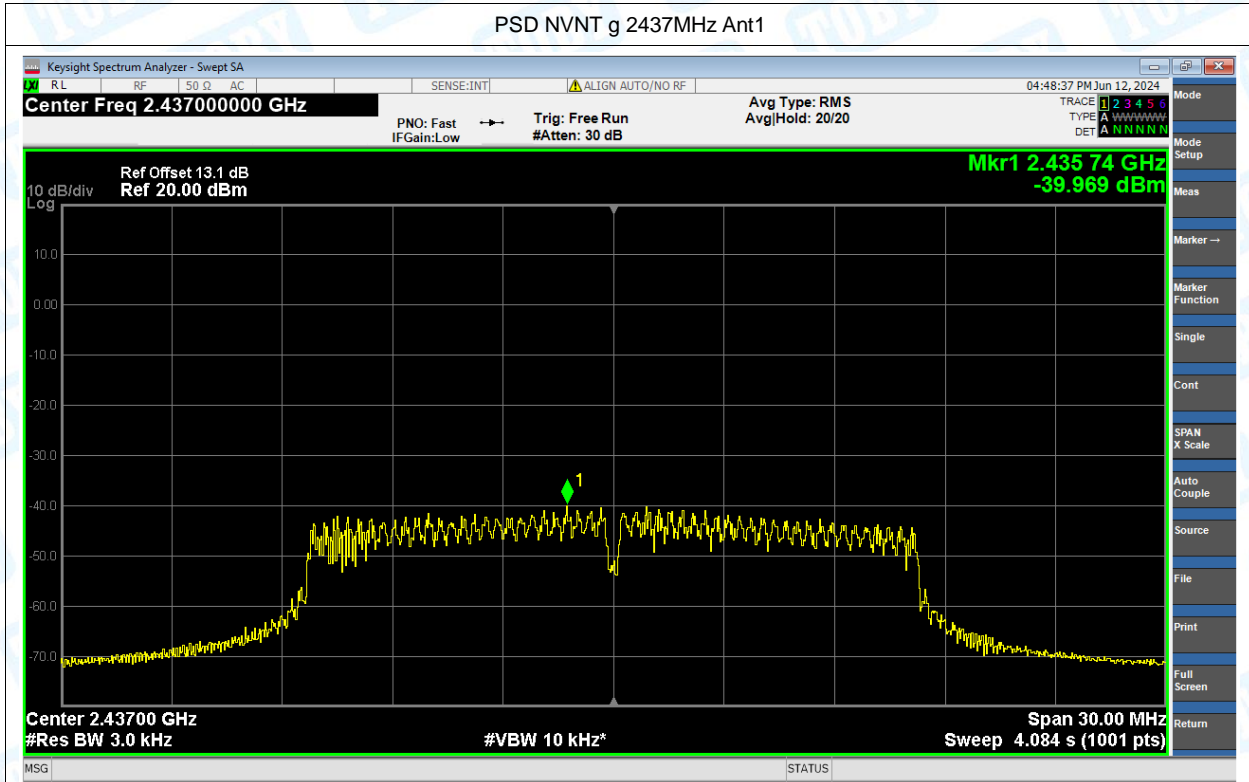


PSD NVNT b 2462MHz Ant1

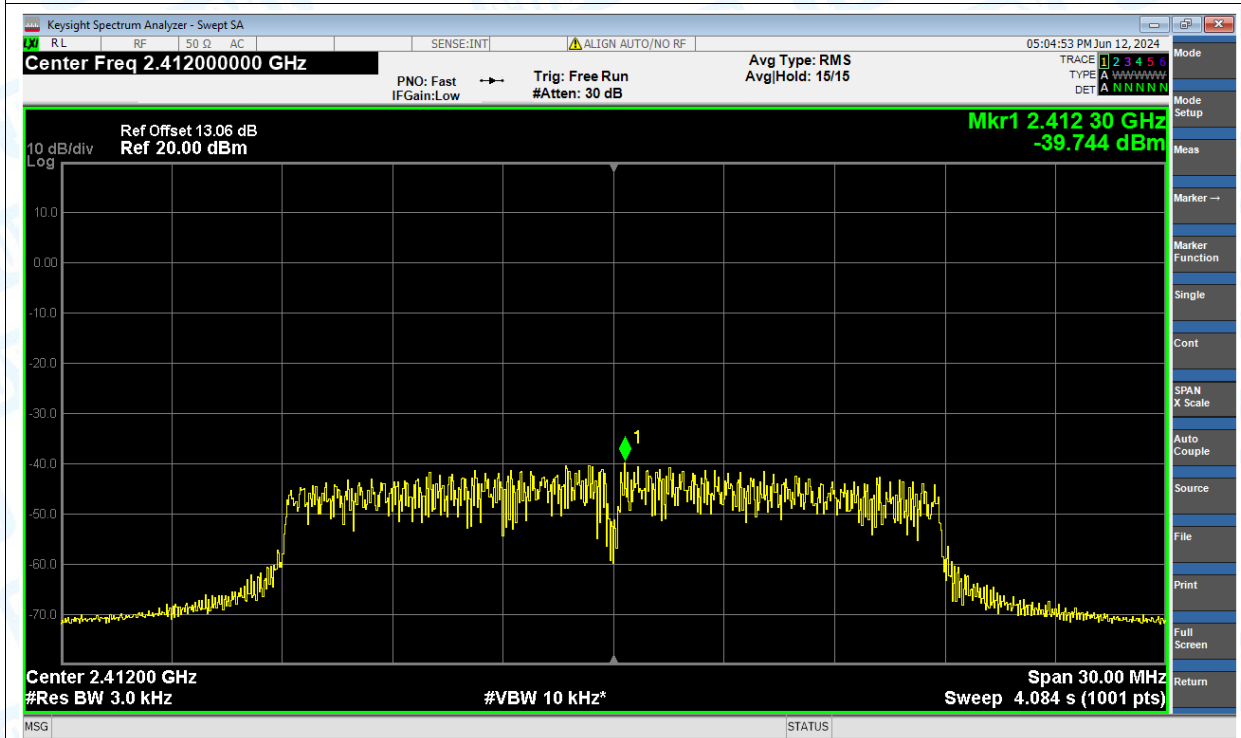


PSD NVNT g 2412MHz Ant1

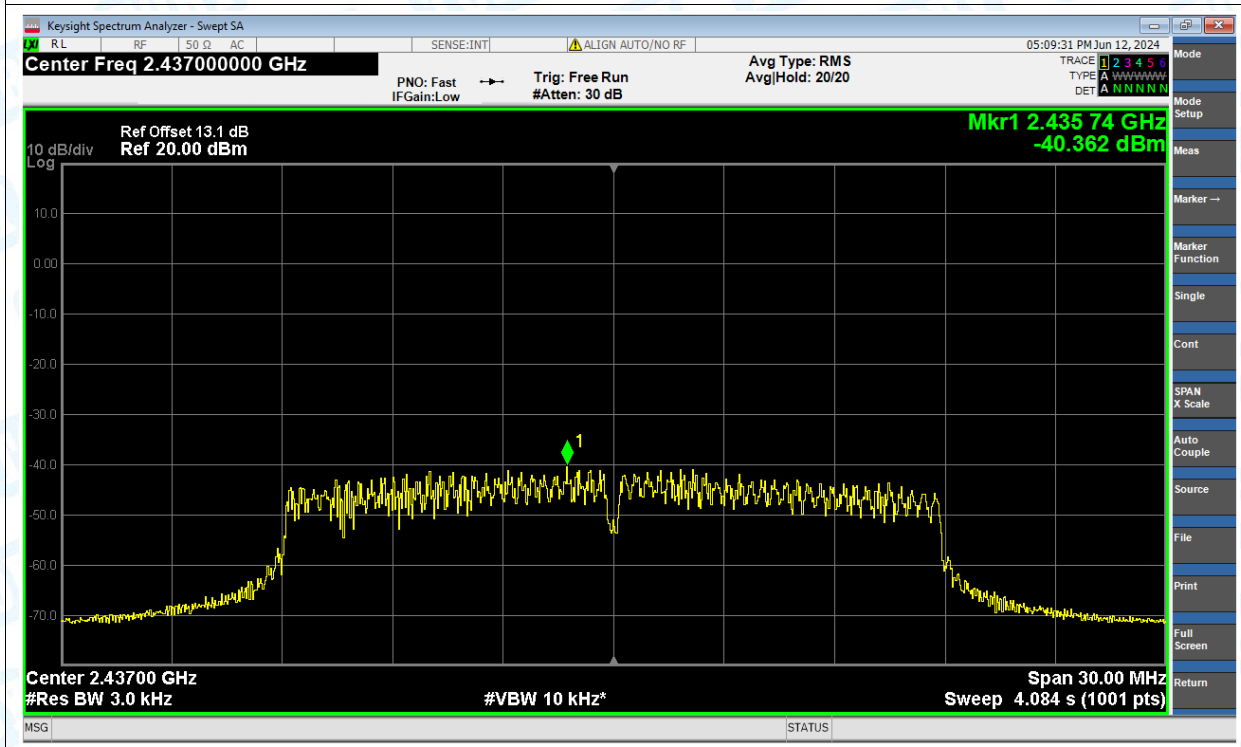




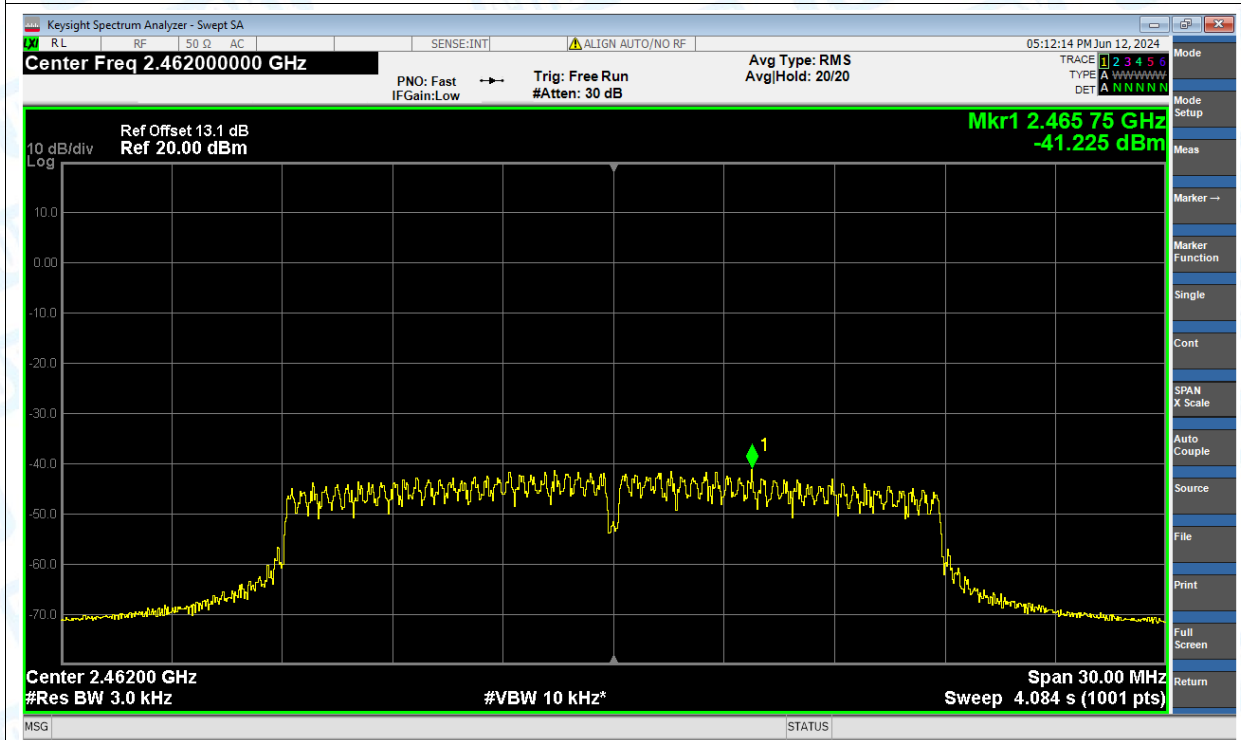
PSD NVNT n(HT20) 2412MHz Ant1



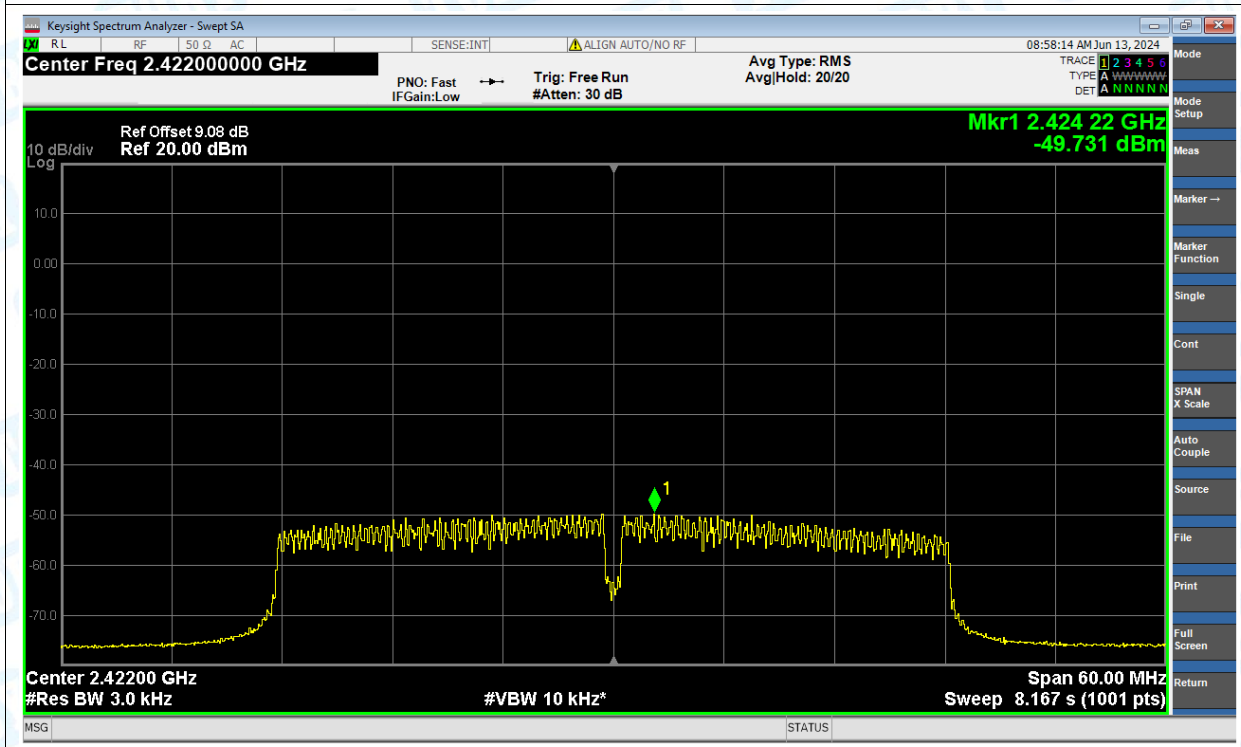
PSD NVNT n(HT20) 2437MHz Ant1



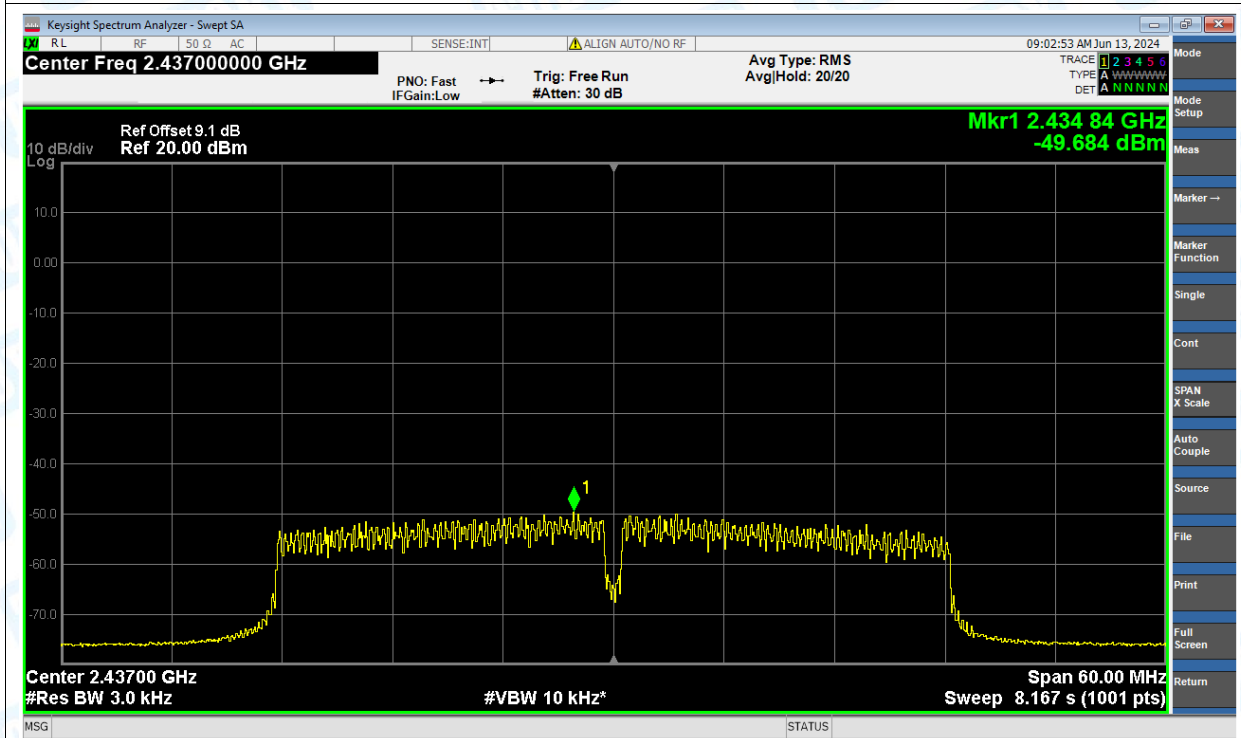
PSD NVNT n(HT20) 2462MHz Ant1



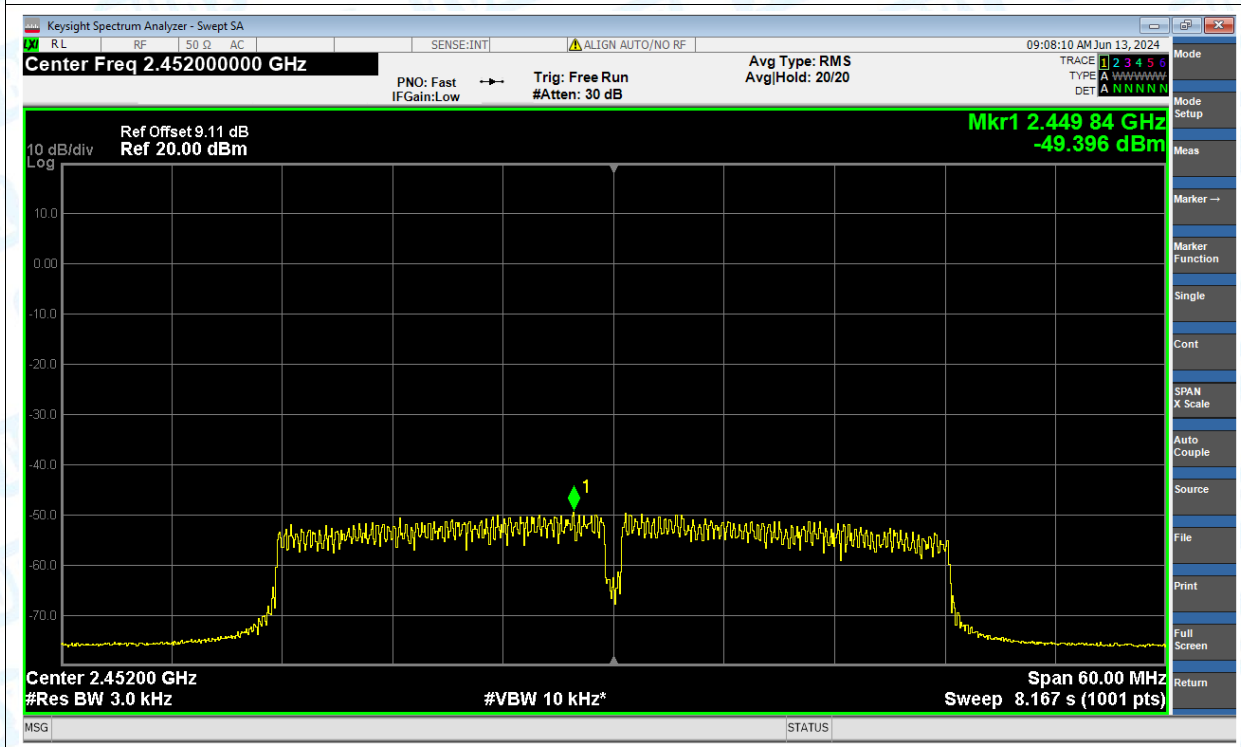
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant1

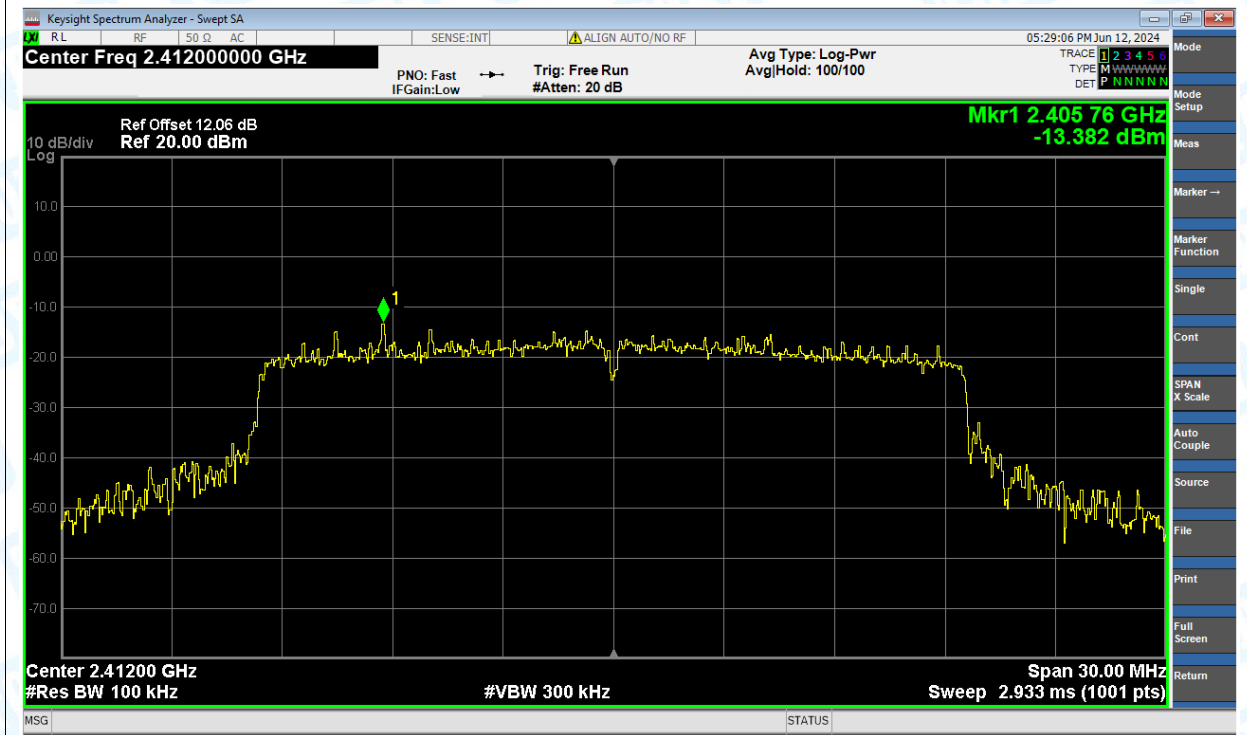


6. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-43.18	-30	Pass
NVNT	ax(VHT20)	2462	Ant1	-44.24	-30	Pass
NVNT	ax(VHT40)	2422	Ant1	-38.03	-30	Pass
NVNT	ax(VHT40)	2452	Ant1	-39.86	-30	Pass
NVNT	b	2412	Ant1	-39.6	-30	Pass
NVNT	b	2462	Ant1	-39.89	-30	Pass
NVNT	g	2412	Ant1	-45.15	-30	Pass
NVNT	g	2462	Ant1	-41.35	-30	Pass
NVNT	n(HT20)	2412	Ant1	-41.93	-30	Pass
NVNT	n(HT20)	2462	Ant1	-43.2	-30	Pass
NVNT	n(HT40)	2422	Ant1	-40.95	-30	Pass
NVNT	n(HT40)	2452	Ant1	-41.2	-30	Pass

Test Graphs

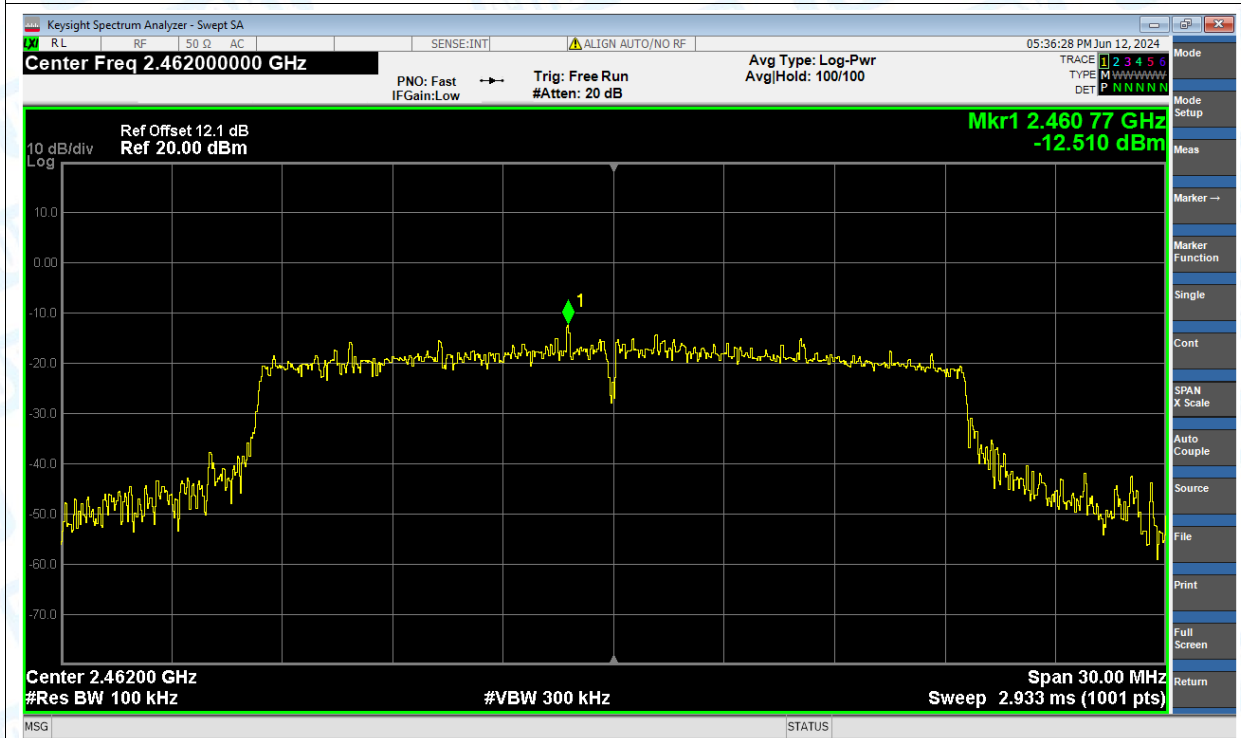
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Ref



Band Edge NVNT ax(VHT20) 2412MHz Ant1 Emission

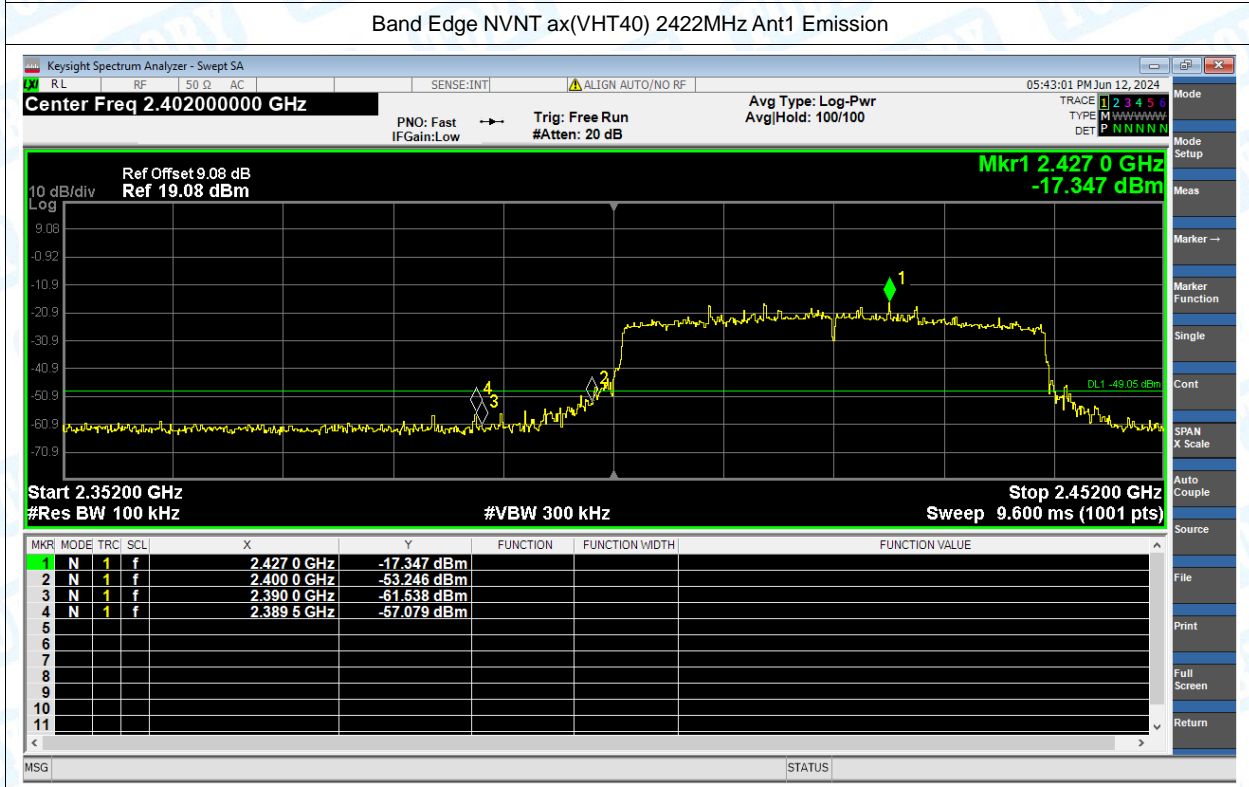
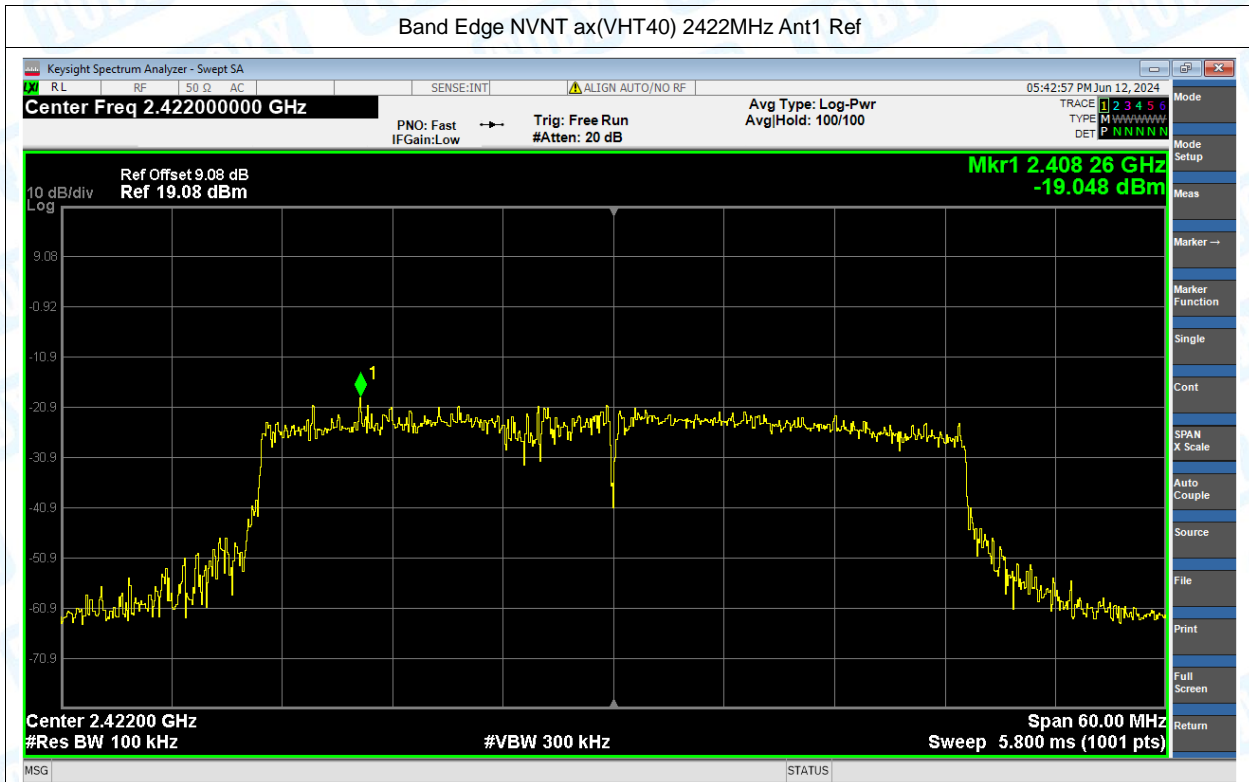


Band Edge NVNT ax(VHT20) 2462MHz Ant1 Ref

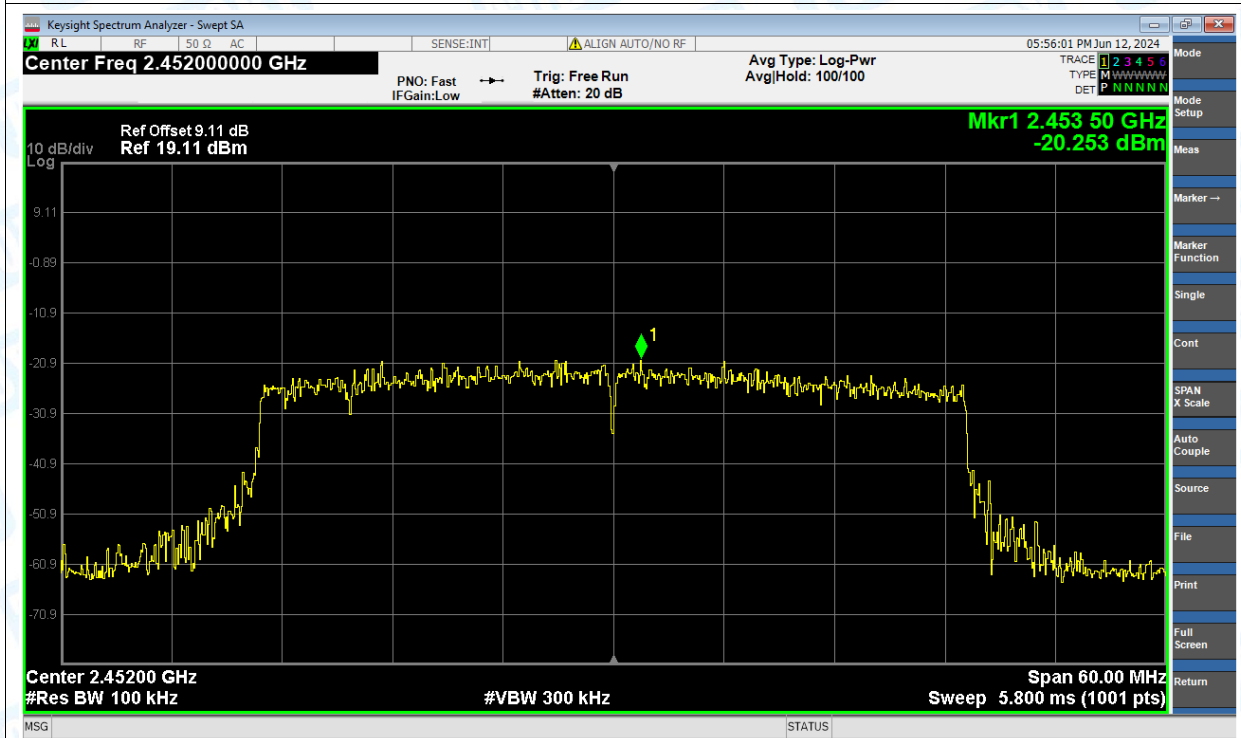


Band Edge NVNT ax(VHT20) 2462MHz Ant1 Emission





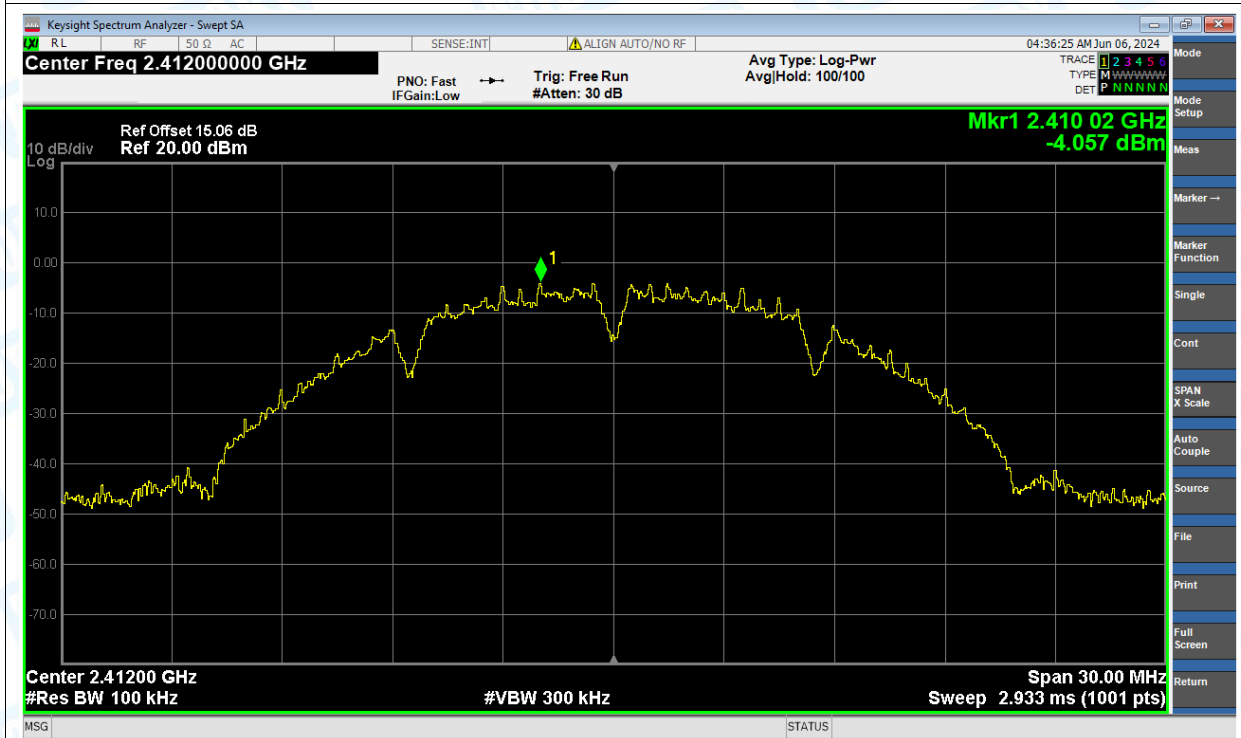
Band Edge NVNT ax(VHT40) 2452MHz Ant1 Ref



Band Edge NVNT ax(VHT40) 2452MHz Ant1 Emission



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission

