

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	10.1" Tablet
Test Model:	DL1050
Sample ID:	HC-C-202406-0032-01-02
Environmental Conditions	
Temperature:	23.7℃
Relative Humidity:	51.5%
Test Voltage:	DC 3.8V
Test Engineer:	MikeYan
Note: For a more detailed features description, please refer to the report TBR-C-202406-0032-42 The report only show the worst case data.	

Contents

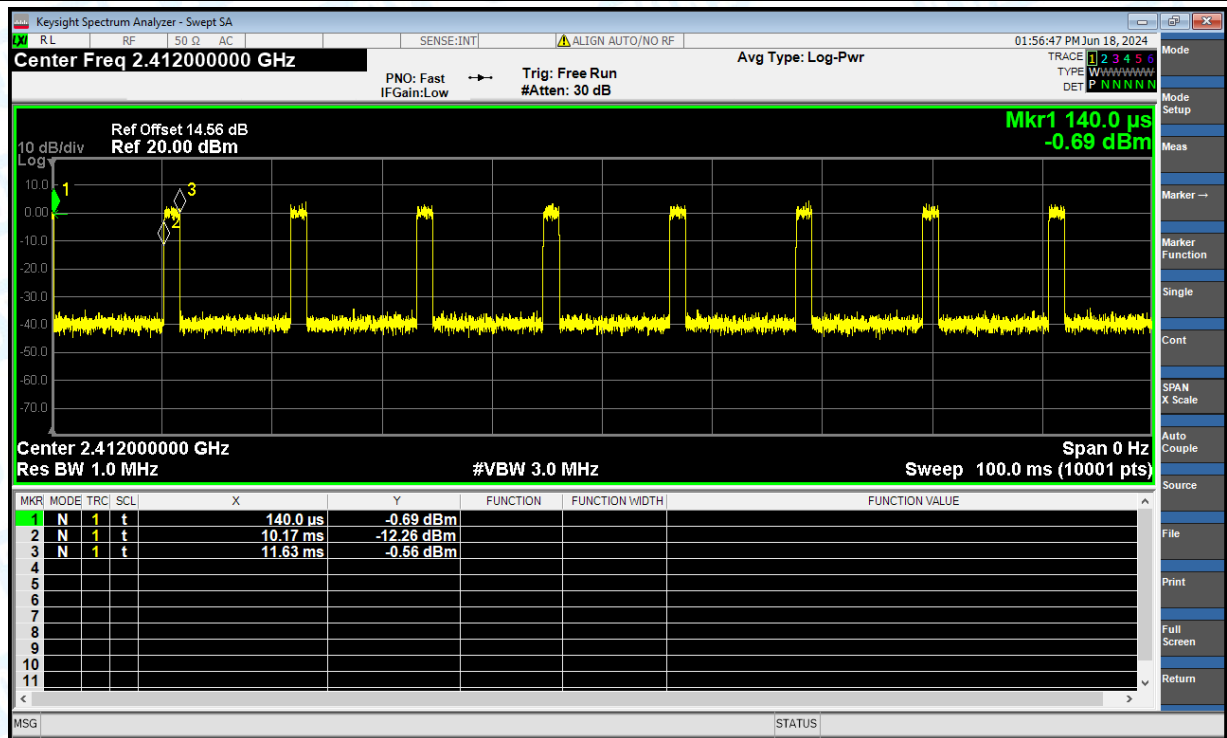
1. Duty Cycle.....	3
2. Maximum Conducted Output Power	13
3. -6dB Bandwidth	14
4. Occupied Channel Bandwidth	24
5. Maximum Power Spectral Density Level.....	34
6. Band Edge	44
7. Conducted RF Spurious Emission	57
8. Restrict Band	76

1. Duty Cycle

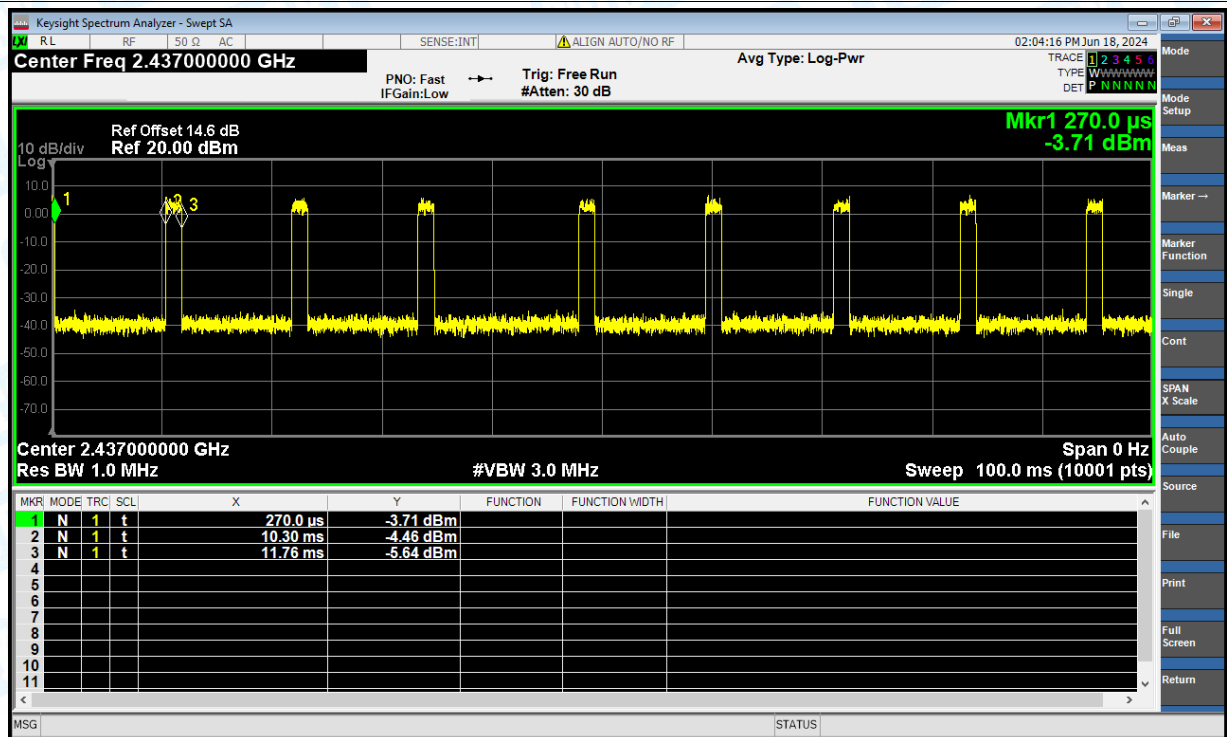
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax(VHT20)	2412	Ant1	12.71	8.96	0.68
NVNT	ax(VHT20)	2437	Ant1	12.71	8.96	0.68
NVNT	ax(VHT20)	2462	Ant1	12.63	8.99	0.69
NVNT	ax(VHT40)	2422	Ant1	6.95	11.58	1.33
NVNT	ax(VHT40)	2437	Ant1	6.95	11.58	1.33
NVNT	ax(VHT40)	2452	Ant1	7.04	11.52	1.32
NVNT	b	2412	Ant1	54.97	2.6	0.08
NVNT	b	2437	Ant1	54.99	2.6	0.08
NVNT	b	2462	Ant1	54.97	2.6	0.08
NVNT	g	2412	Ant1	16.83	7.74	0.49
NVNT	g	2437	Ant1	16.83	7.74	0.49
NVNT	g	2462	Ant1	16.92	7.72	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	8.39	10.76	1.09
NVNT	n(HT40)	2437	Ant1	8.49	10.71	1.08
NVNT	n(HT40)	2452	Ant1	8.39	10.76	1.09

Test Graphs

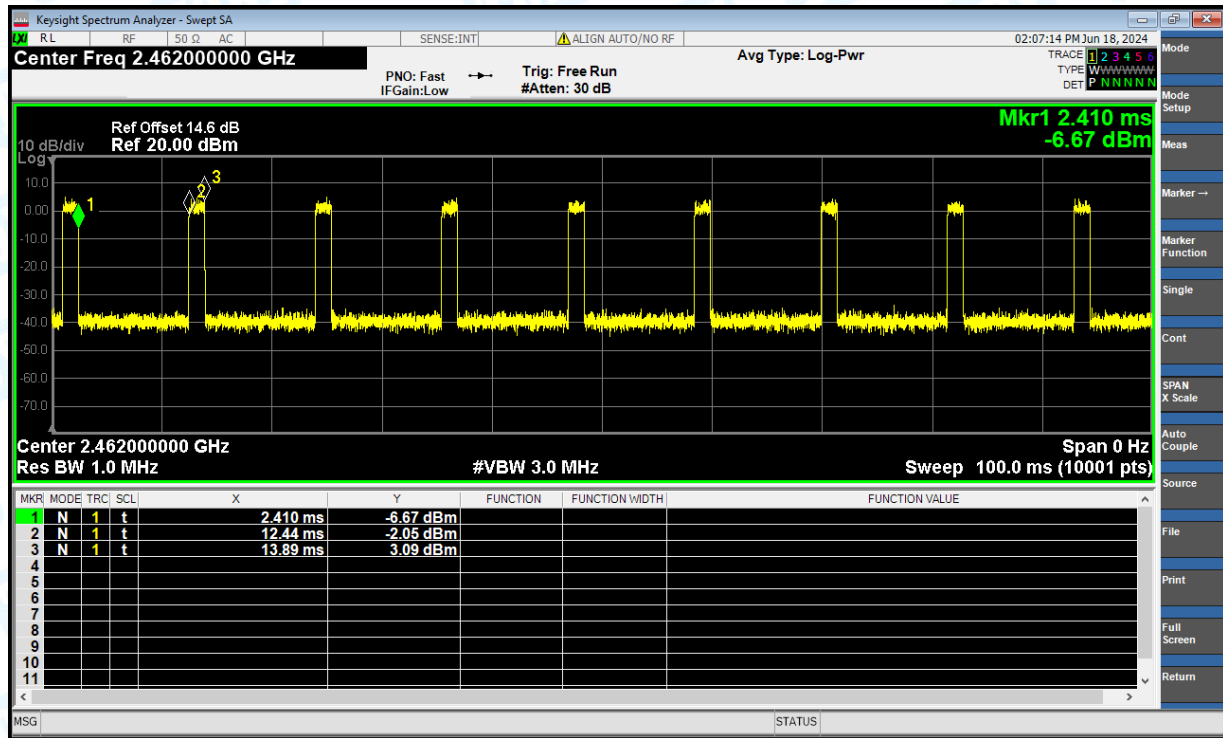
Duty Cycle NVNT ax(VHT20) 2412MHz Ant1



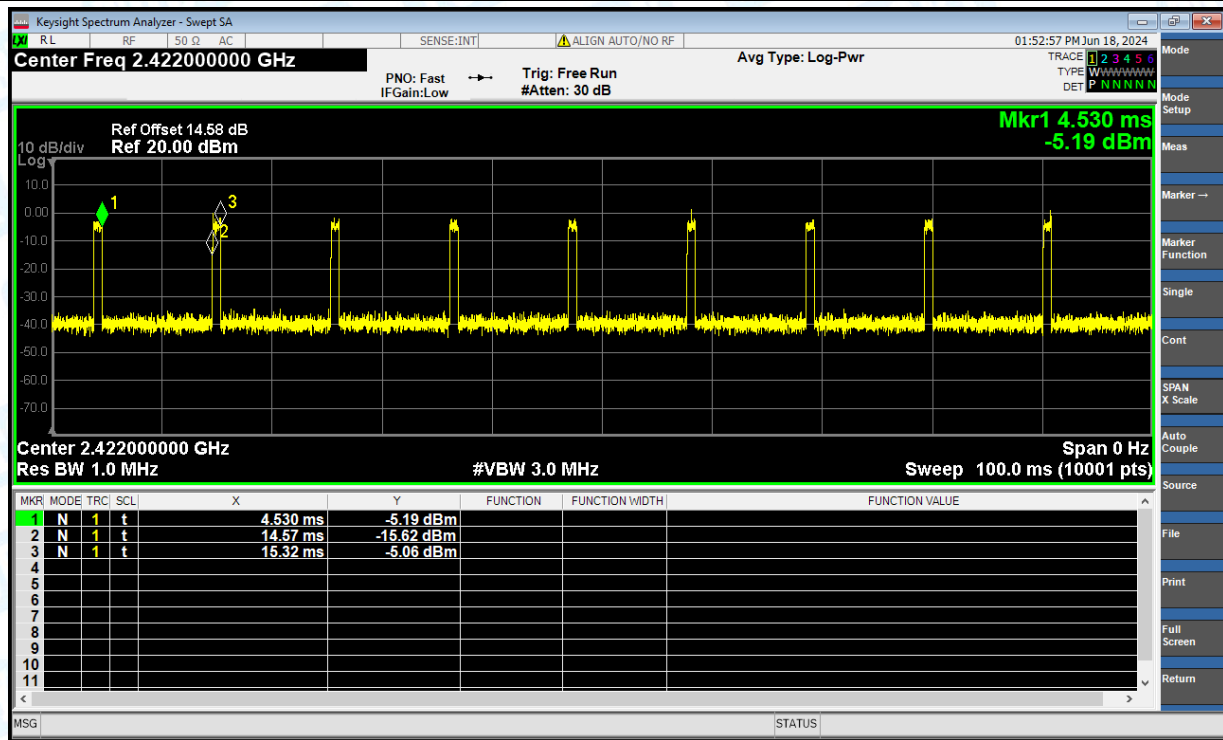
Duty Cycle NVNT ax(VHT20) 2437MHz Ant1



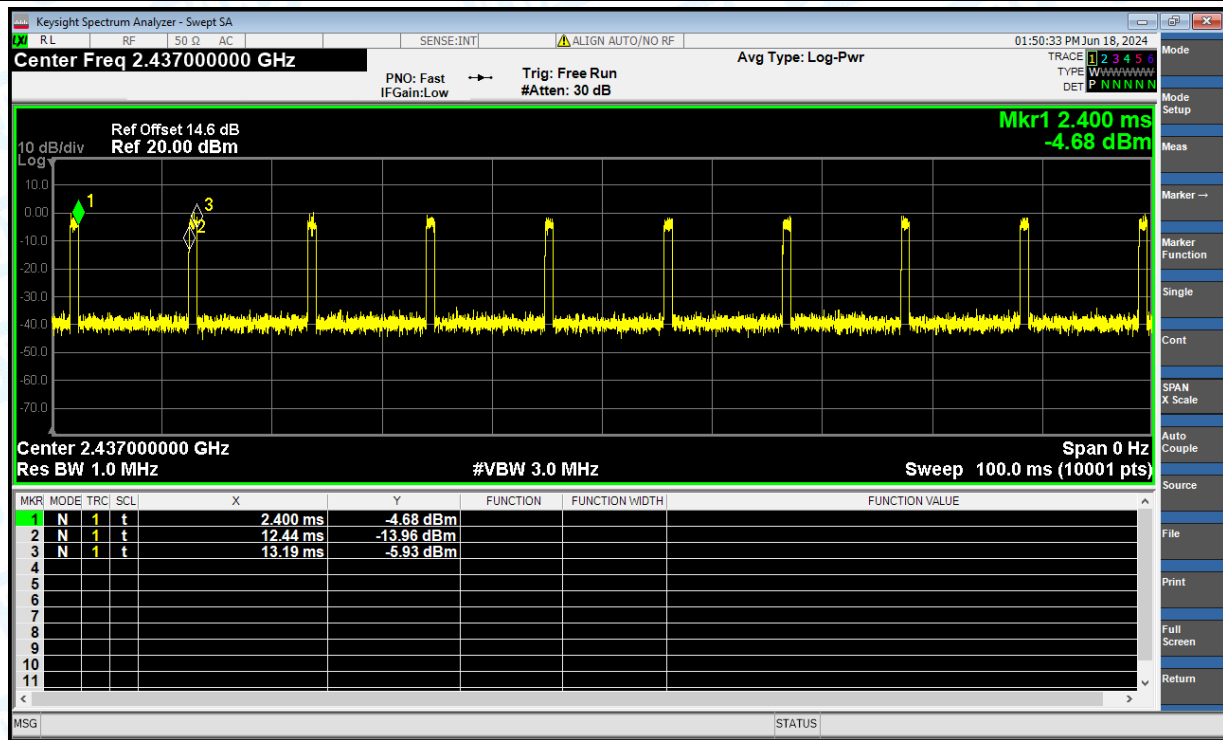
Duty Cycle NVNT ax(VHT20) 2462MHz Ant1



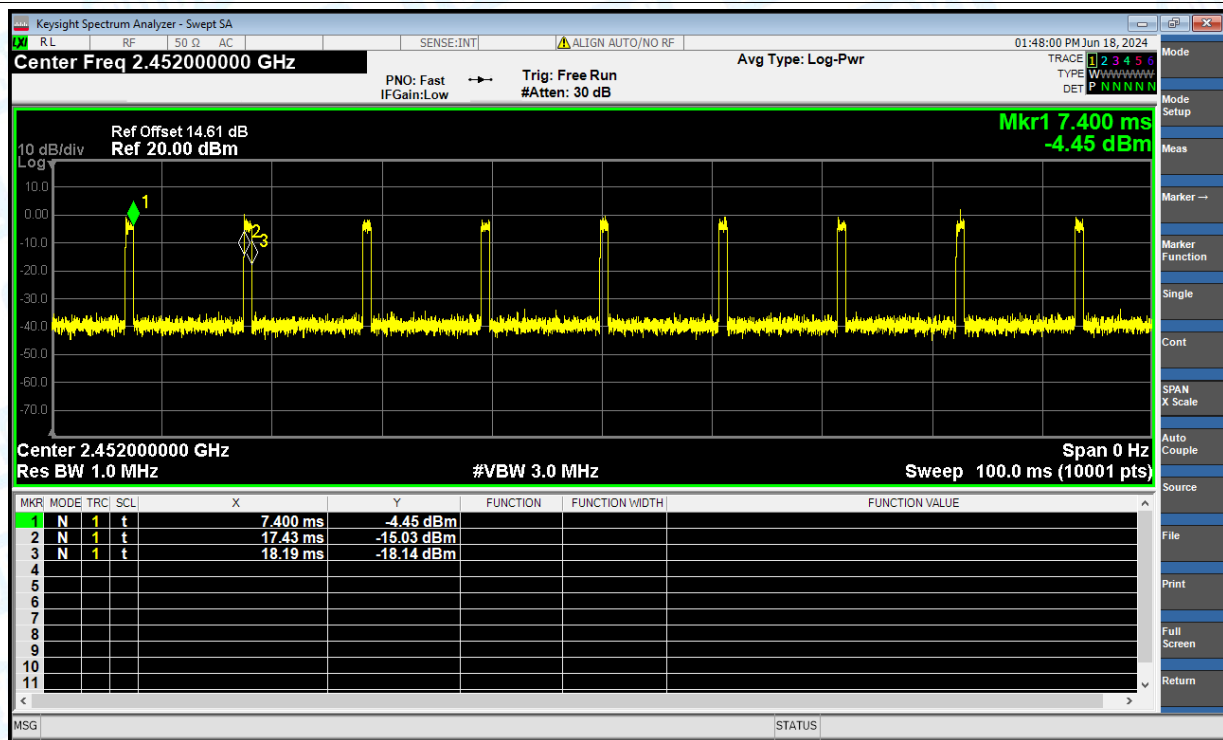
Duty Cycle NVNT ax(VHT40) 2422MHz Ant1



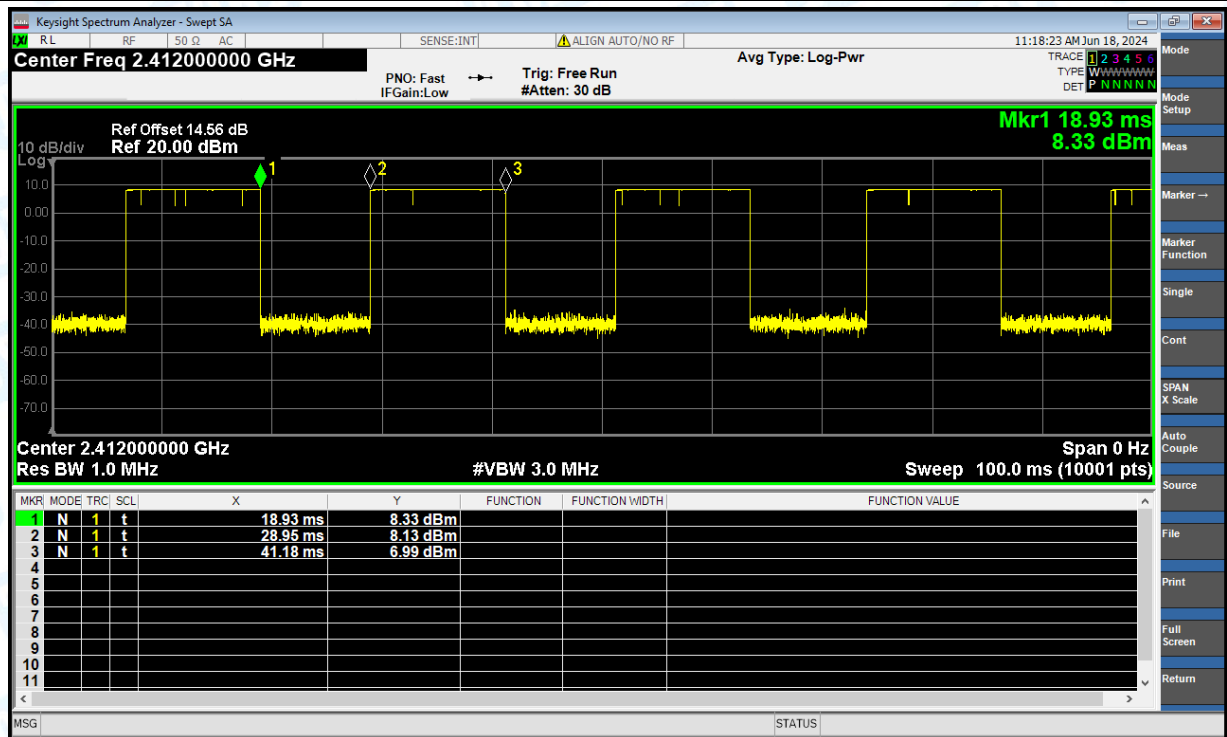
Duty Cycle NVNT ax(VHT40) 2437MHz Ant1



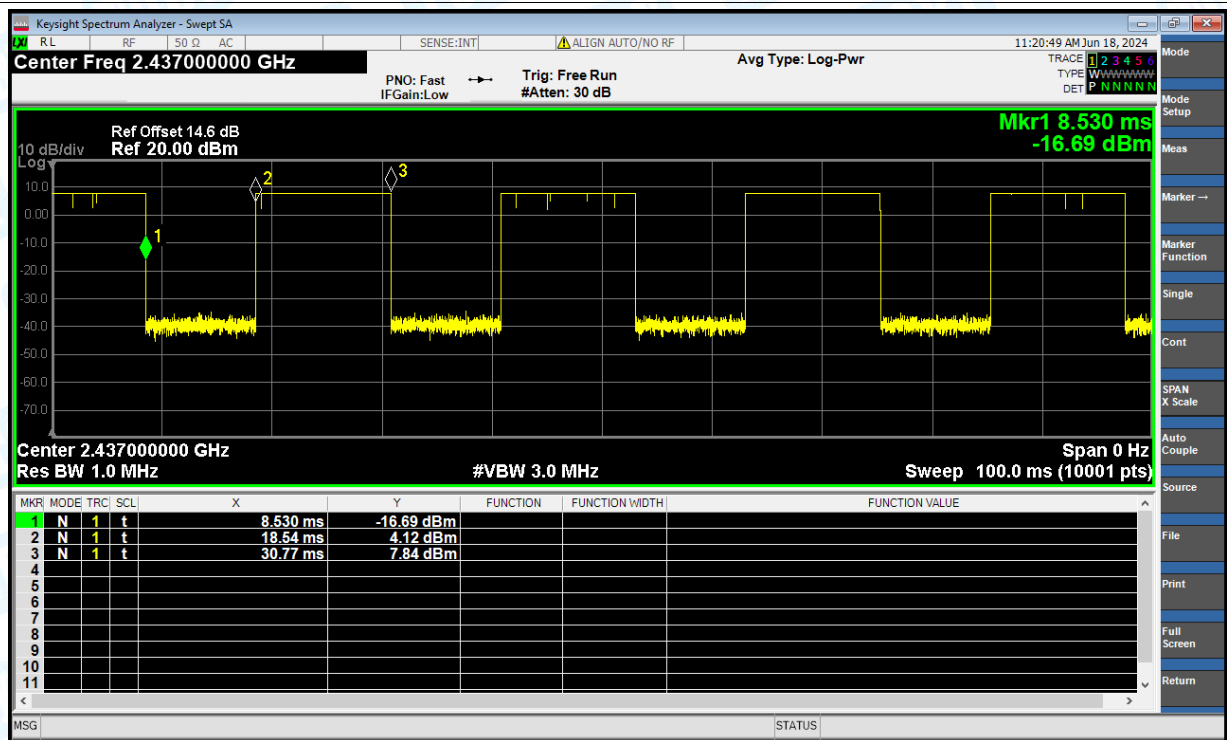
Duty Cycle NVNT ax(VHT40) 2452MHz Ant1



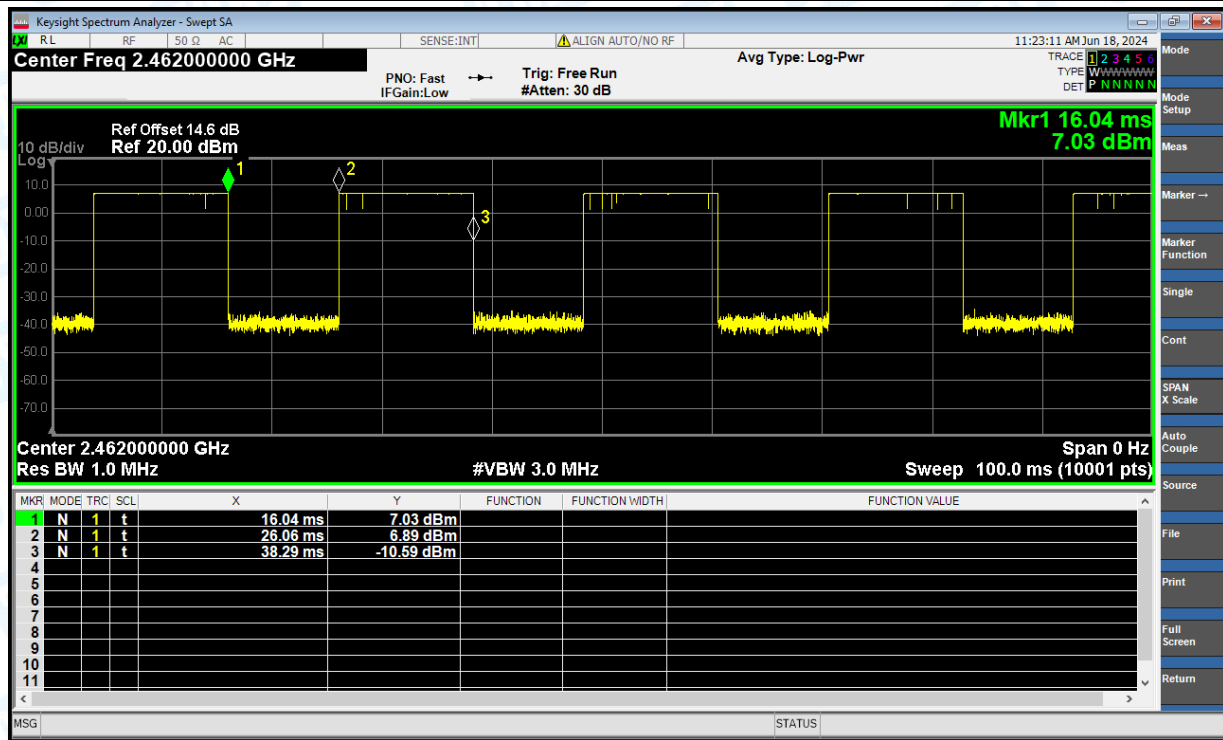
Duty Cycle NVNT b 2412MHz Ant1



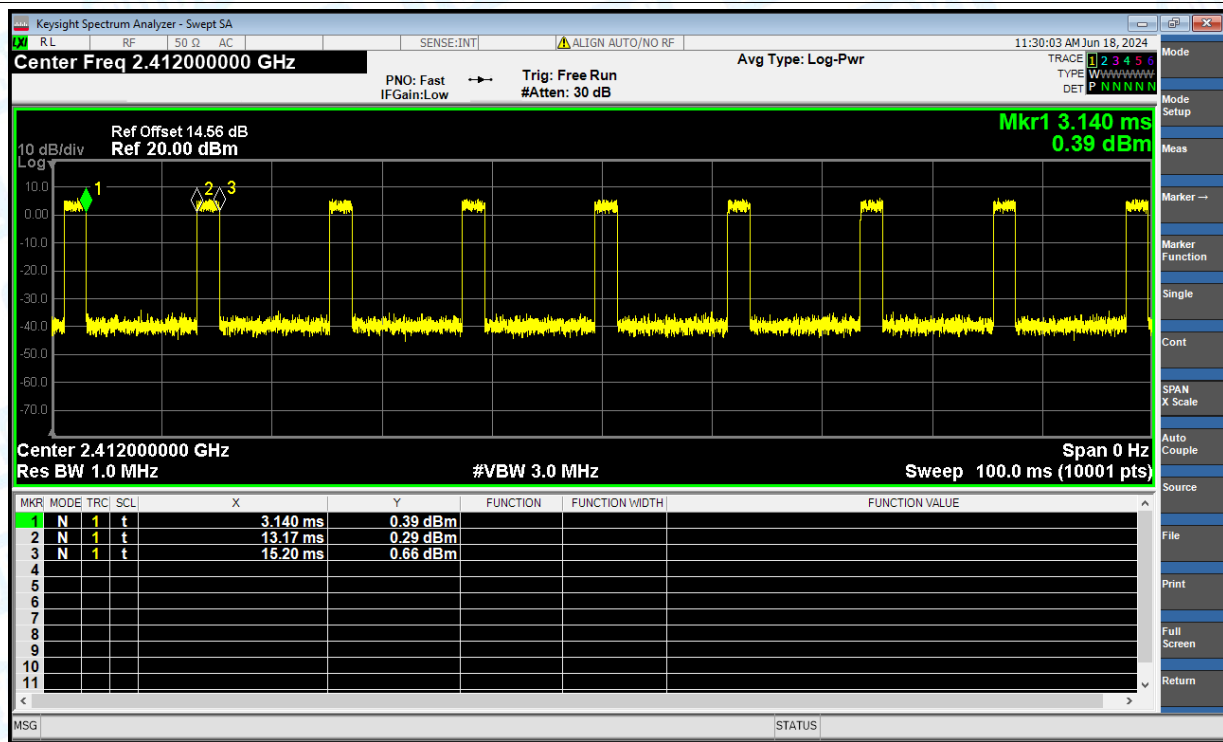
Duty Cycle NVNT b 2437MHz Ant1



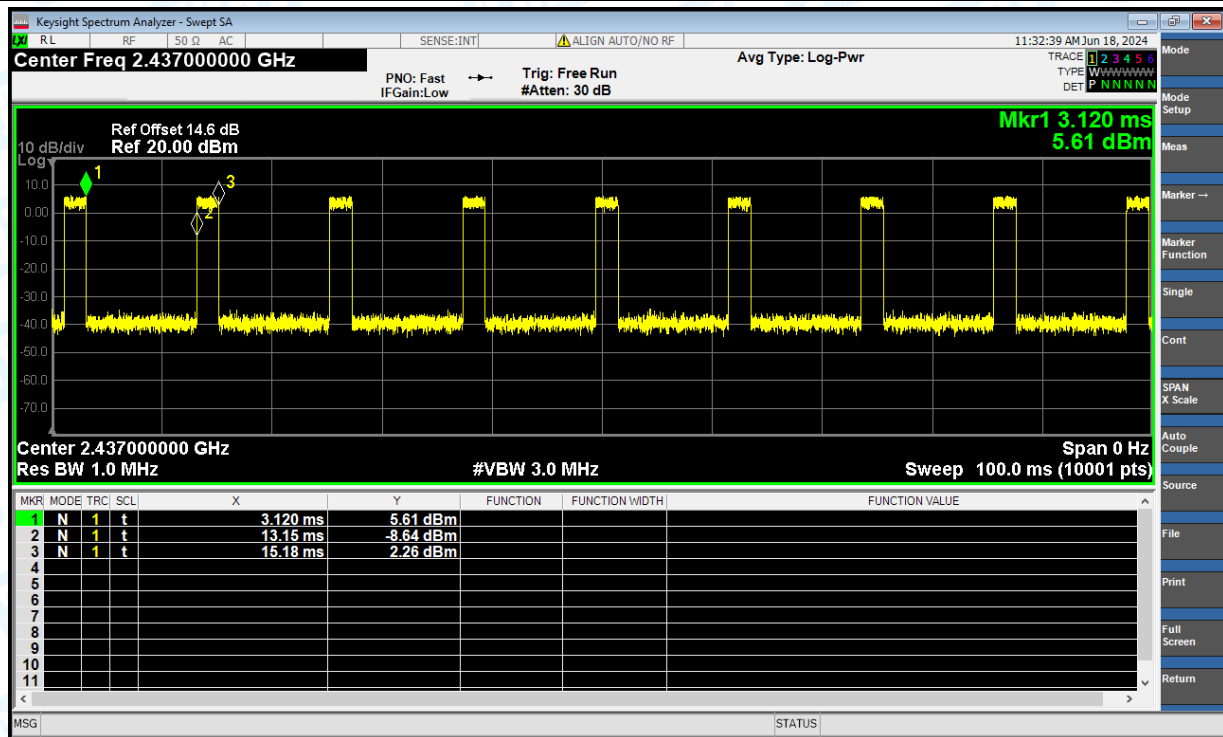
Duty Cycle NVNT b 2462MHz Ant1



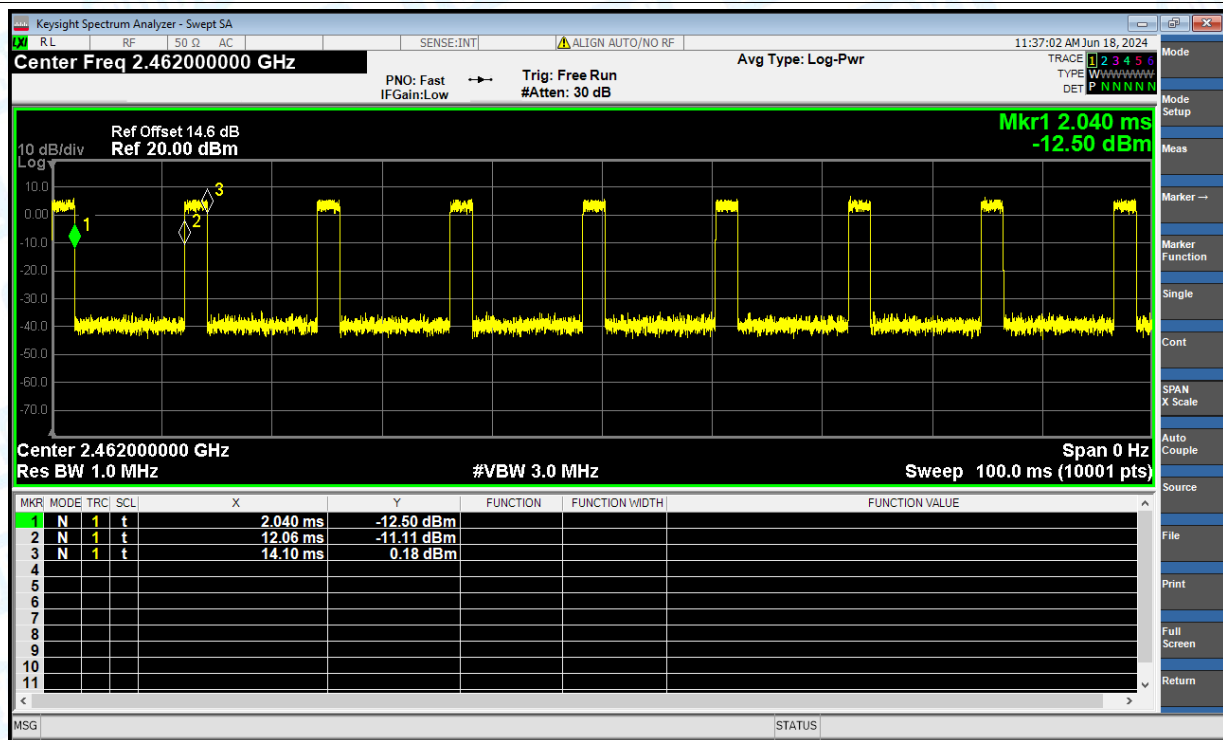
Duty Cycle NVNT g 2412MHz Ant1



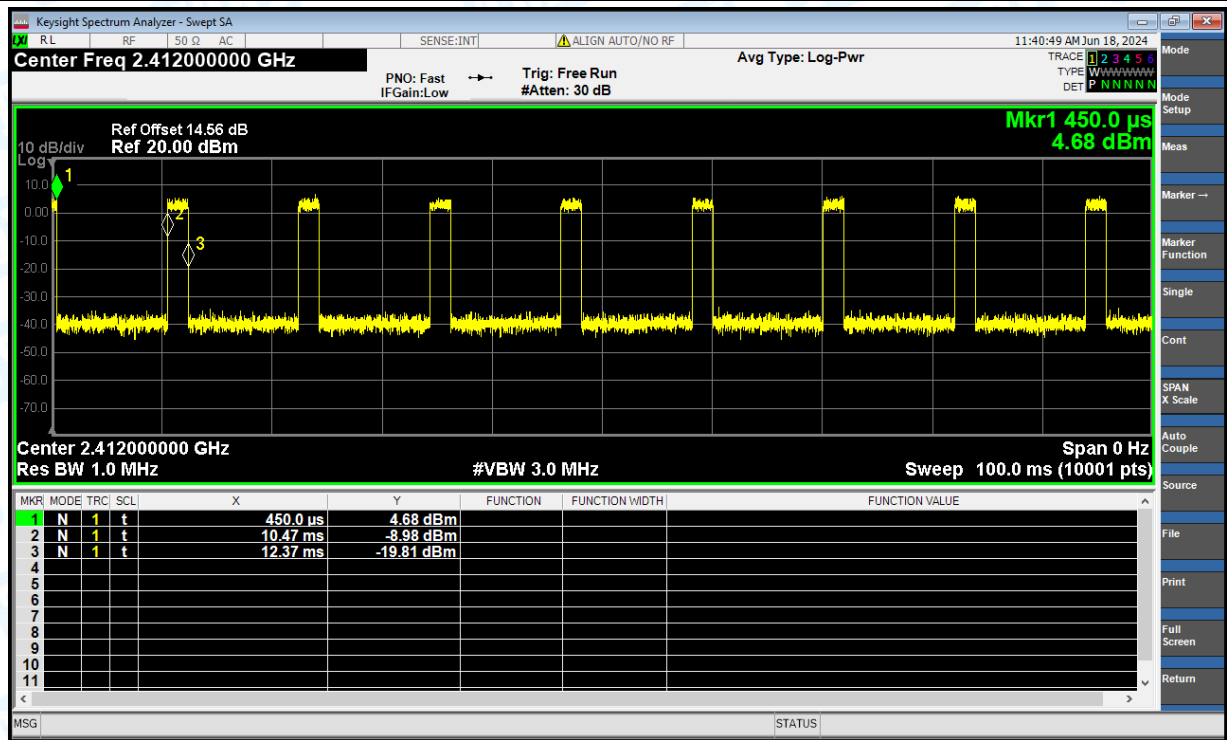
Duty Cycle NVNT g 2437MHz Ant1



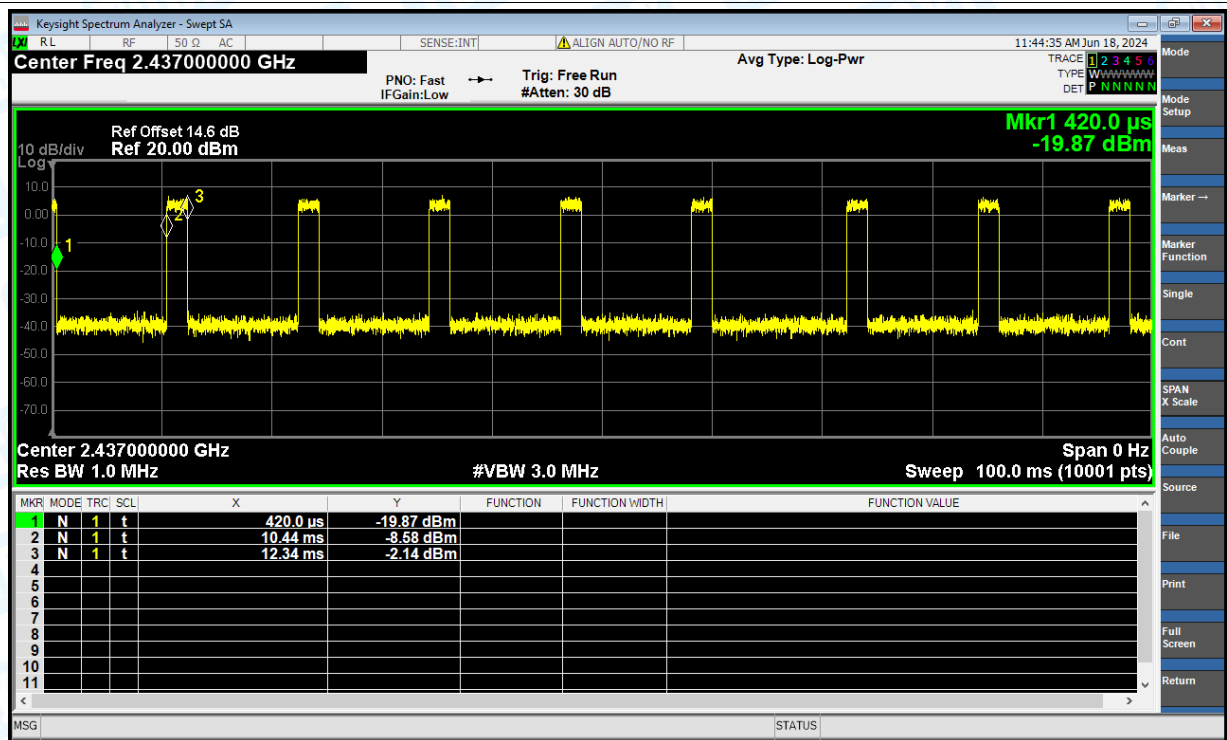
Duty Cycle NVNT g 2462MHz Ant1



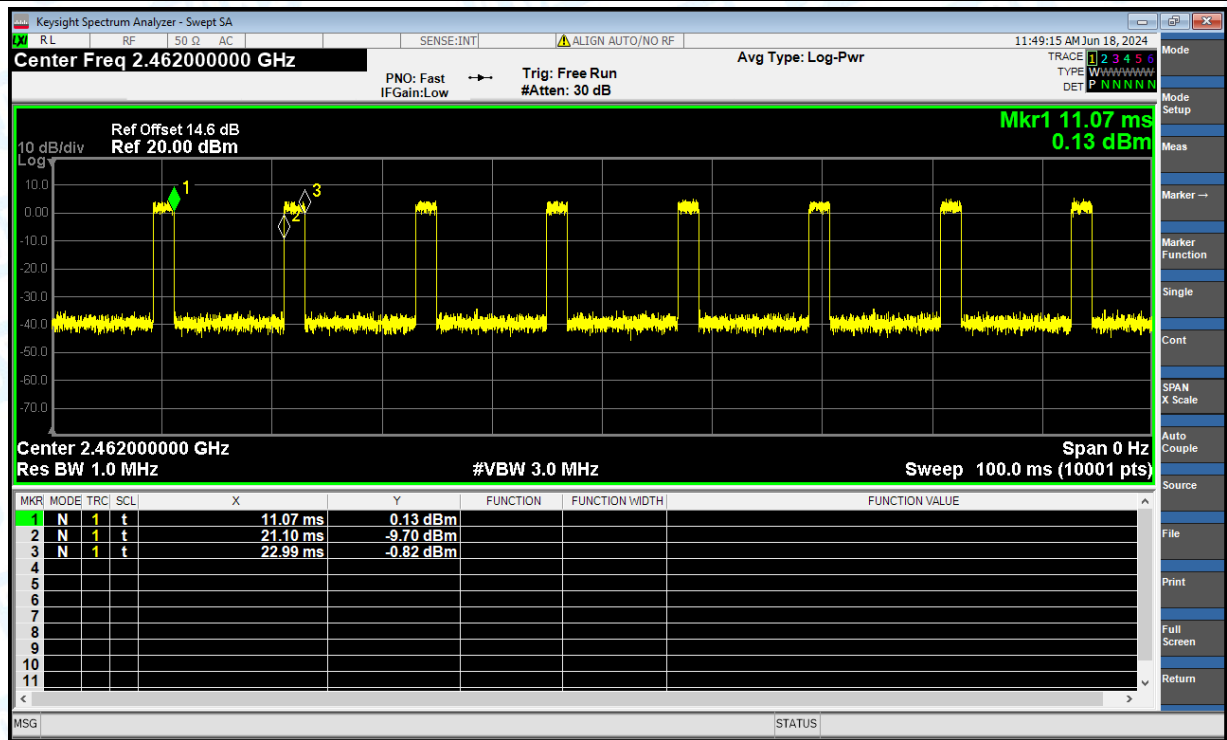
Duty Cycle NVNT n(HT20) 2412MHz Ant1



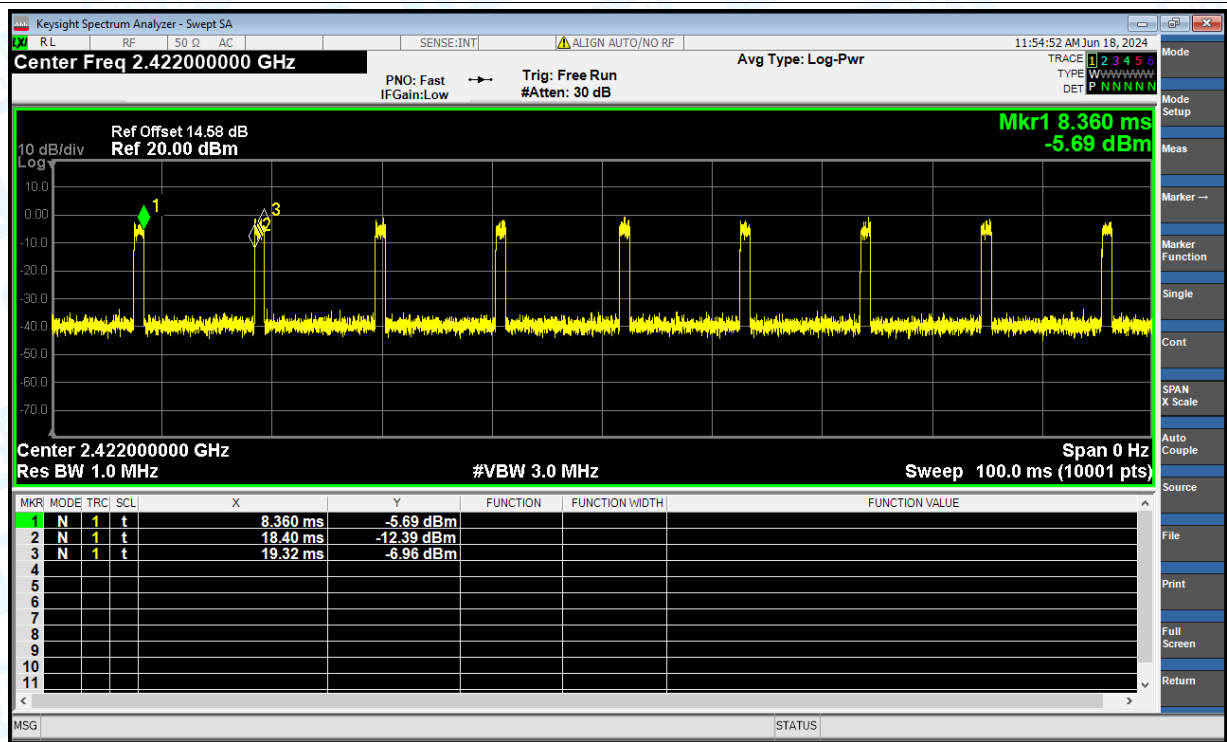
Duty Cycle NVNT n(HT20) 2437MHz Ant1



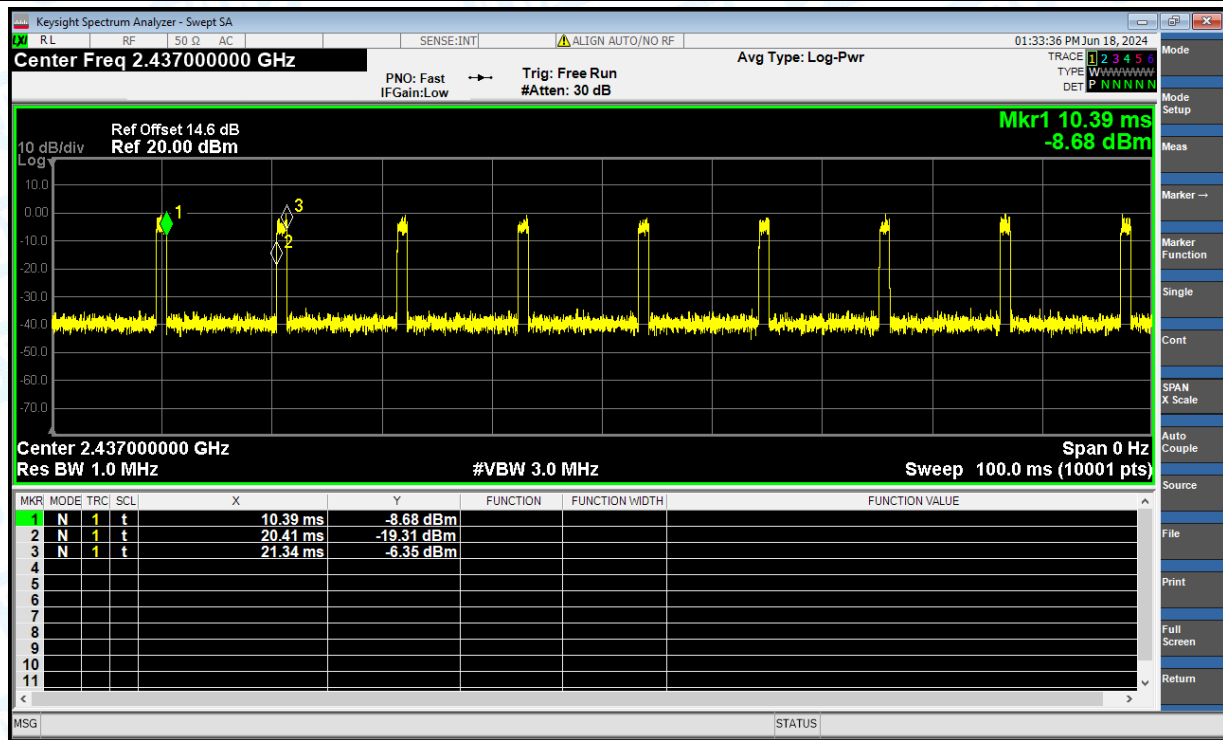
Duty Cycle NVNT n(HT20) 2462MHz Ant1



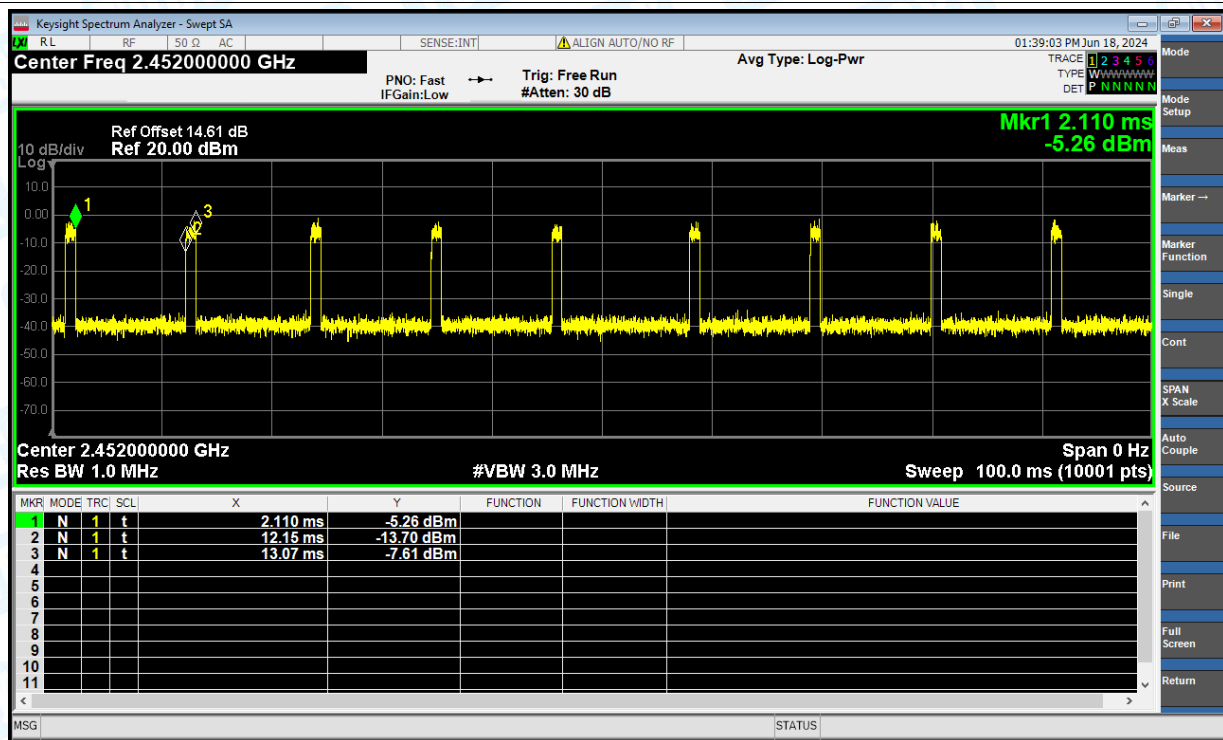
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2. Maximum Conducted Output Power

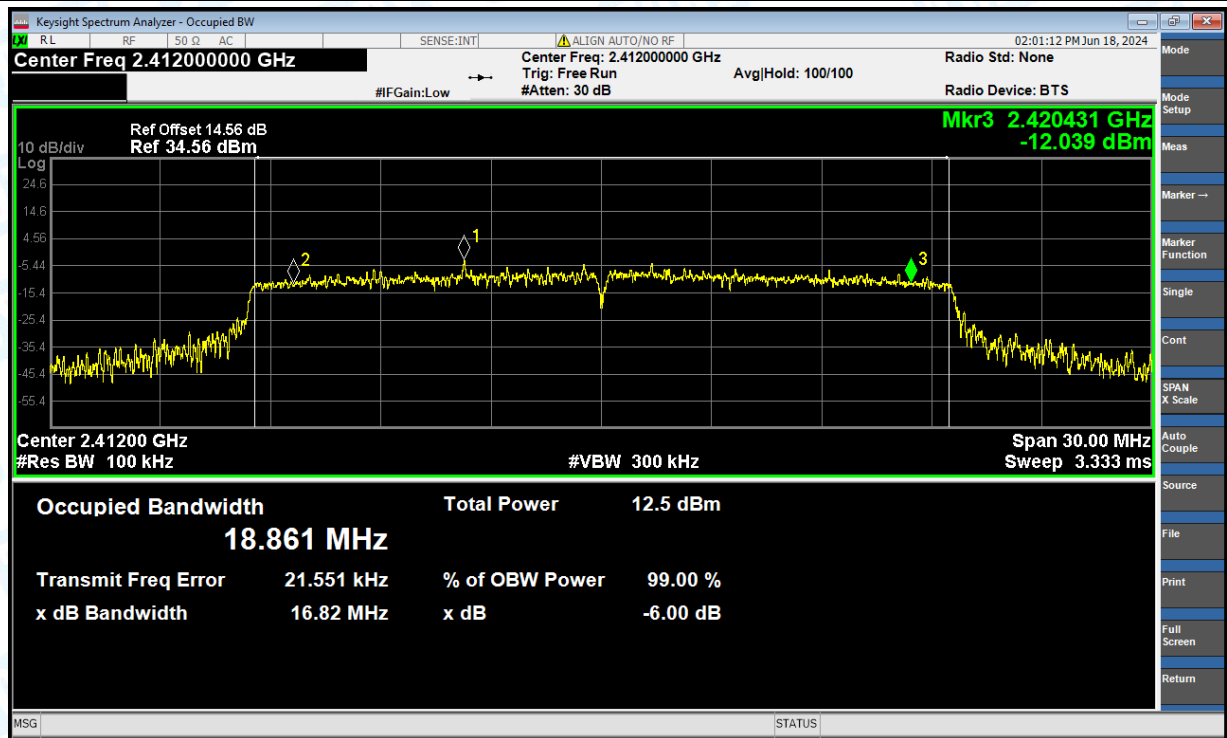
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	17	30	Pass
NVNT	ax(VHT20)	2437	Ant1	17.69	30	Pass
NVNT	ax(VHT20)	2462	Ant1	17.15	30	Pass
NVNT	ax(VHT40)	2422	Ant1	16.67	30	Pass
NVNT	ax(VHT40)	2437	Ant1	17.48	30	Pass
NVNT	ax(VHT40)	2452	Ant1	17.11	30	Pass
NVNT	b	2412	Ant1	15.62	30	Pass
NVNT	b	2437	Ant1	15.4	30	Pass
NVNT	b	2462	Ant1	15.15	30	Pass
NVNT	g	2412	Ant1	17.07	30	Pass
NVNT	g	2437	Ant1	17.68	30	Pass
NVNT	g	2462	Ant1	17.08	30	Pass
NVNT	n(HT20)	2412	Ant1	17.2	30	Pass
NVNT	n(HT20)	2437	Ant1	16.89	30	Pass
NVNT	n(HT20)	2462	Ant1	16.26	30	Pass
NVNT	n(HT40)	2422	Ant1	17.68	30	Pass
NVNT	n(HT40)	2437	Ant1	17.38	30	Pass
NVNT	n(HT40)	2452	Ant1	17.18	30	Pass

3. -6dB Bandwidth

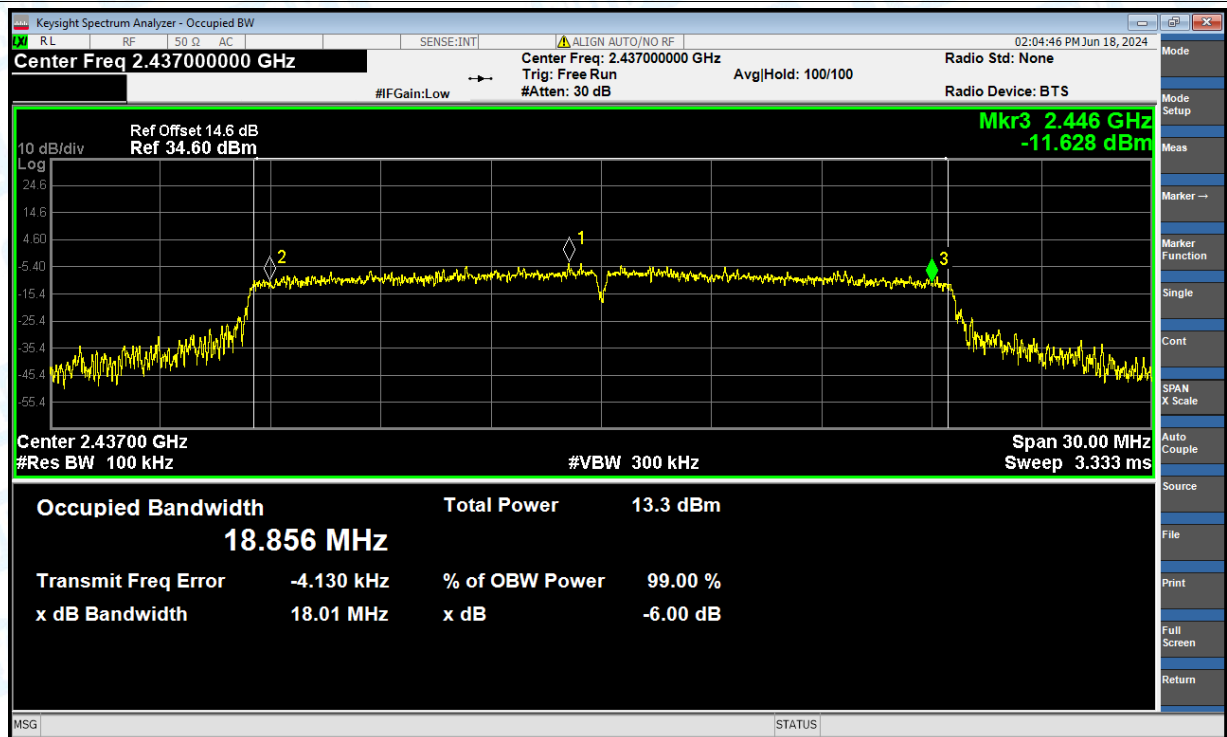
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax(VHT20)	2412	Ant1	16.82	0.5	Pass
NVNT	ax(VHT20)	2437	Ant1	18.01	0.5	Pass
NVNT	ax(VHT20)	2462	Ant1	16.76	0.5	Pass
NVNT	ax(VHT40)	2422	Ant1	36.45	0.5	Pass
NVNT	ax(VHT40)	2437	Ant1	34.57	0.5	Pass
NVNT	ax(VHT40)	2452	Ant1	32.86	0.5	Pass
NVNT	b	2412	Ant1	8.61	0.5	Pass
NVNT	b	2437	Ant1	9.09	0.5	Pass
NVNT	b	2462	Ant1	9.07	0.5	Pass
NVNT	g	2412	Ant1	15.62	0.5	Pass
NVNT	g	2437	Ant1	16.25	0.5	Pass
NVNT	g	2462	Ant1	16.03	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.55	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.57	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.57	0.5	Pass
NVNT	n(HT40)	2422	Ant1	36.3	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.29	0.5	Pass
NVNT	n(HT40)	2452	Ant1	33.86	0.5	Pass

Test Graphs

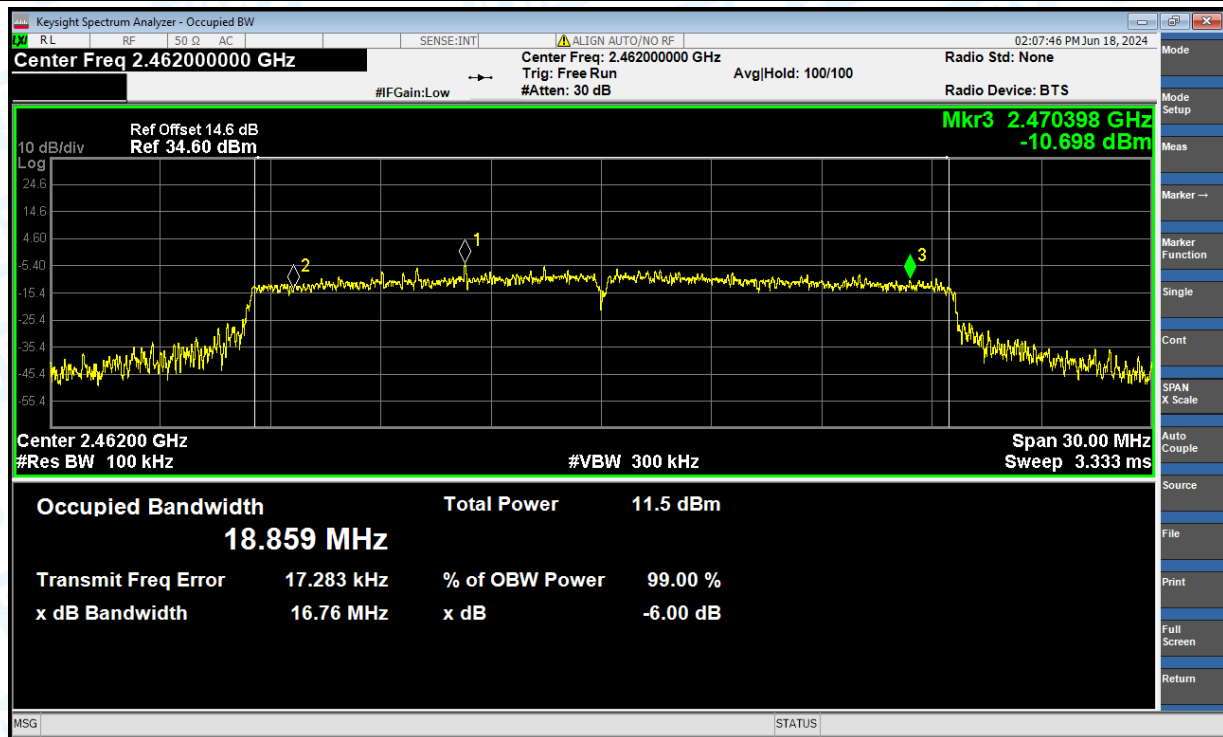
-6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



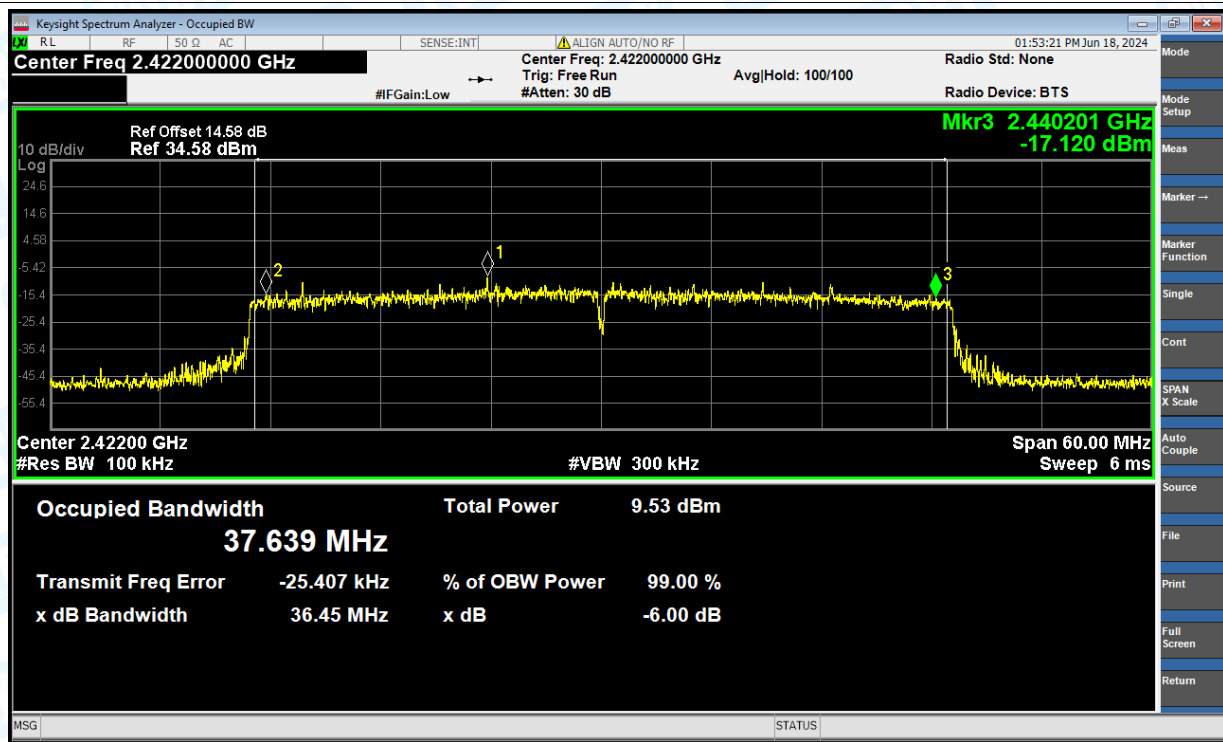
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



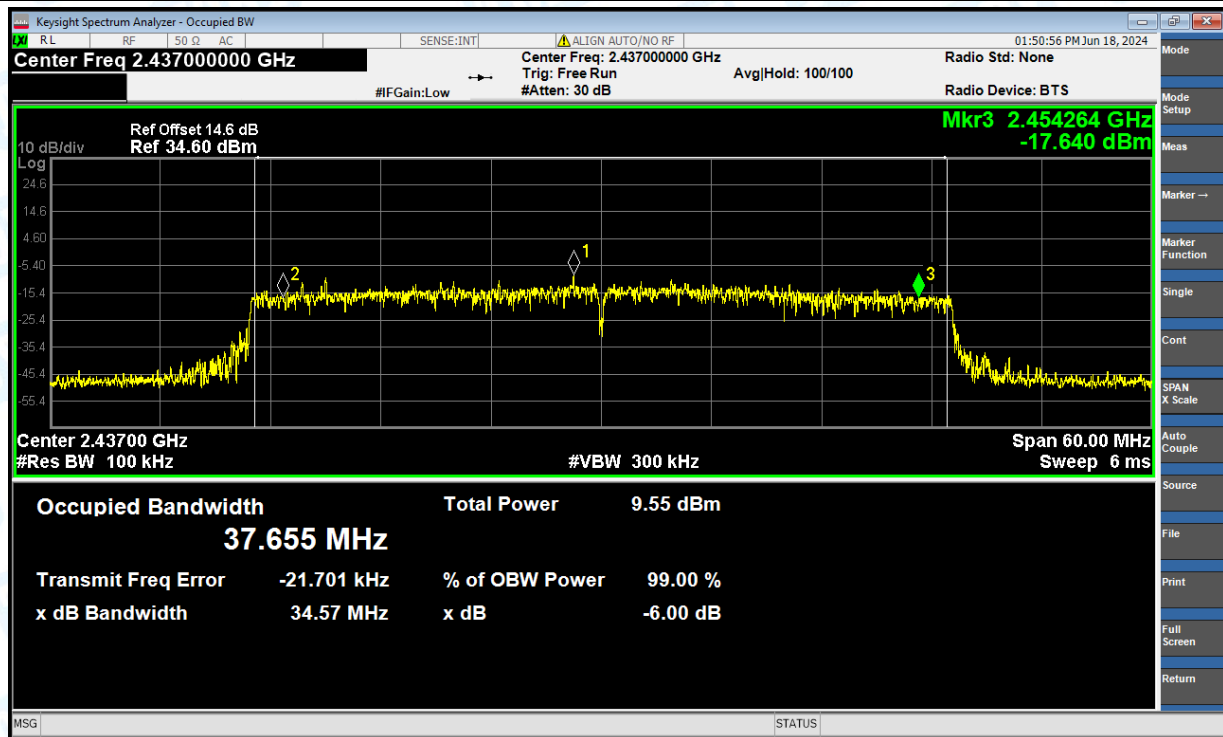
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant1



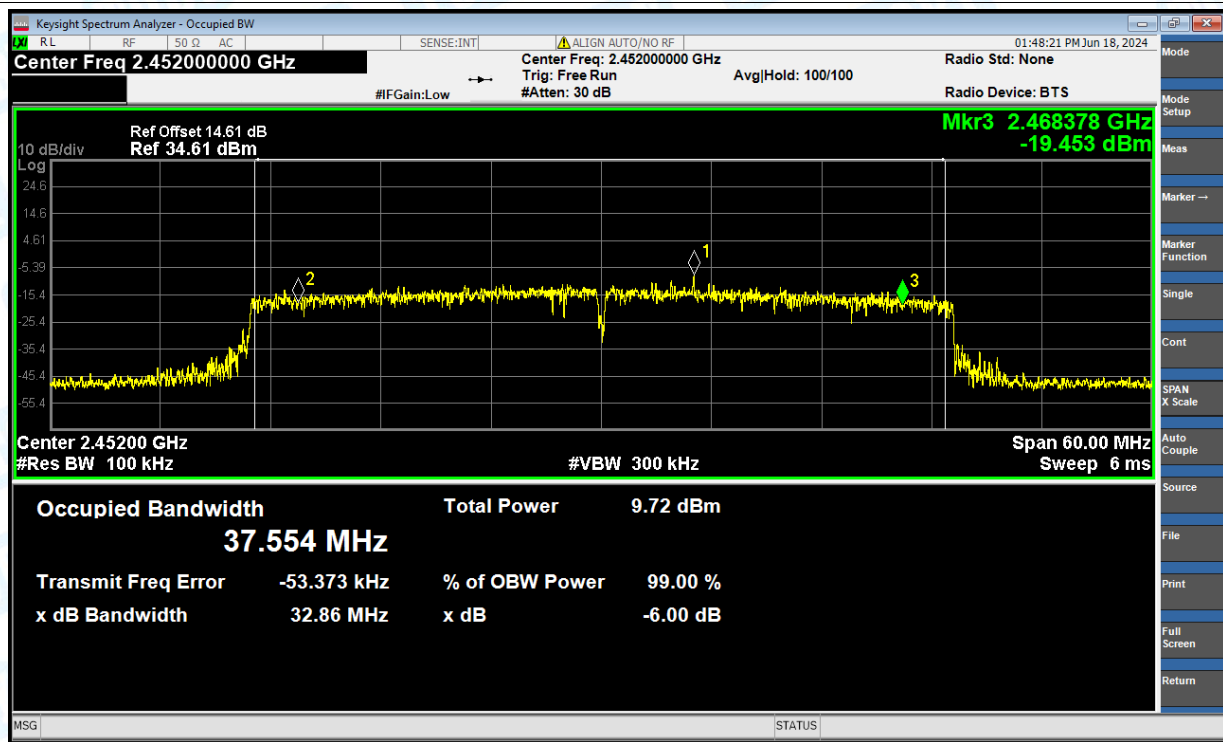
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



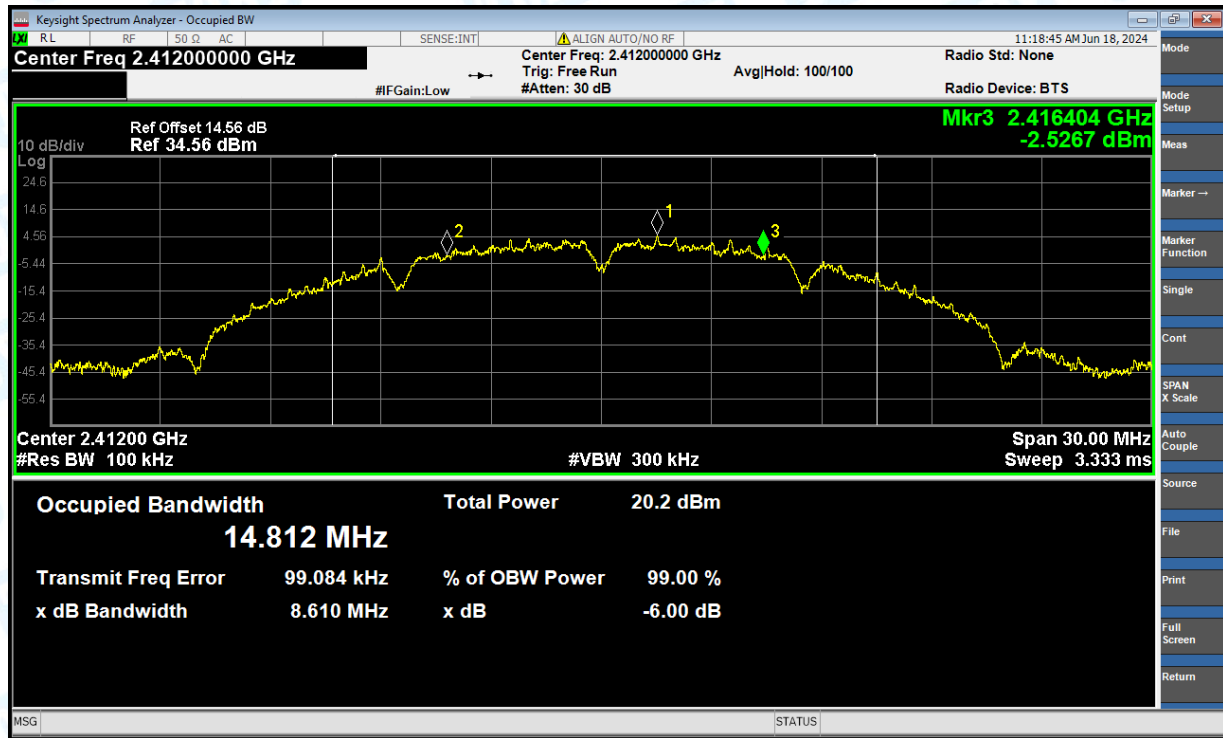
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



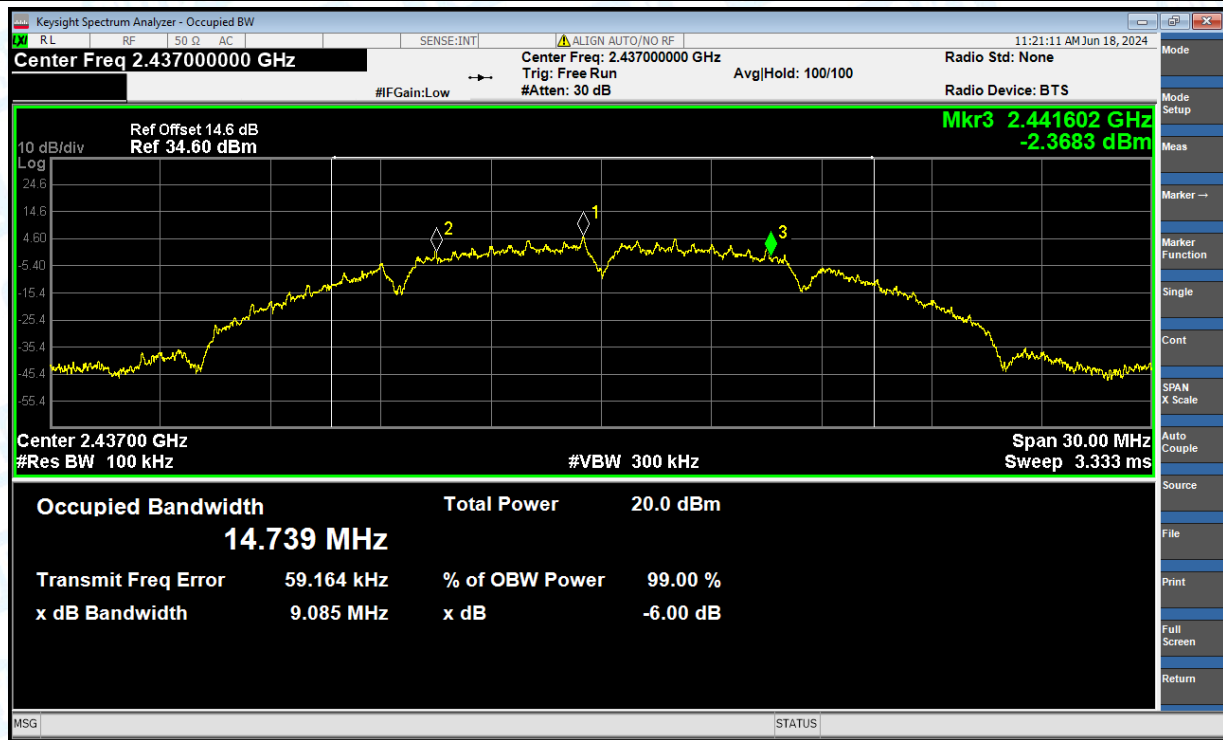
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1



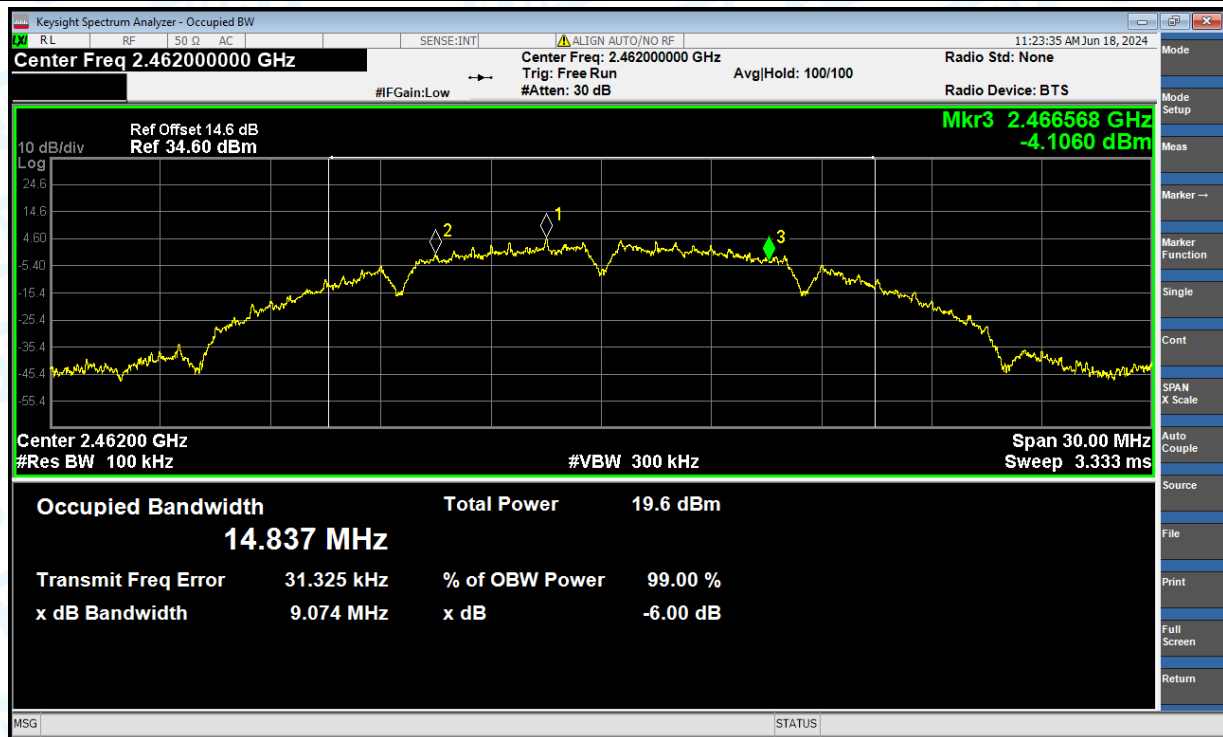
-6dB Bandwidth NVNT b 2412MHz Ant1



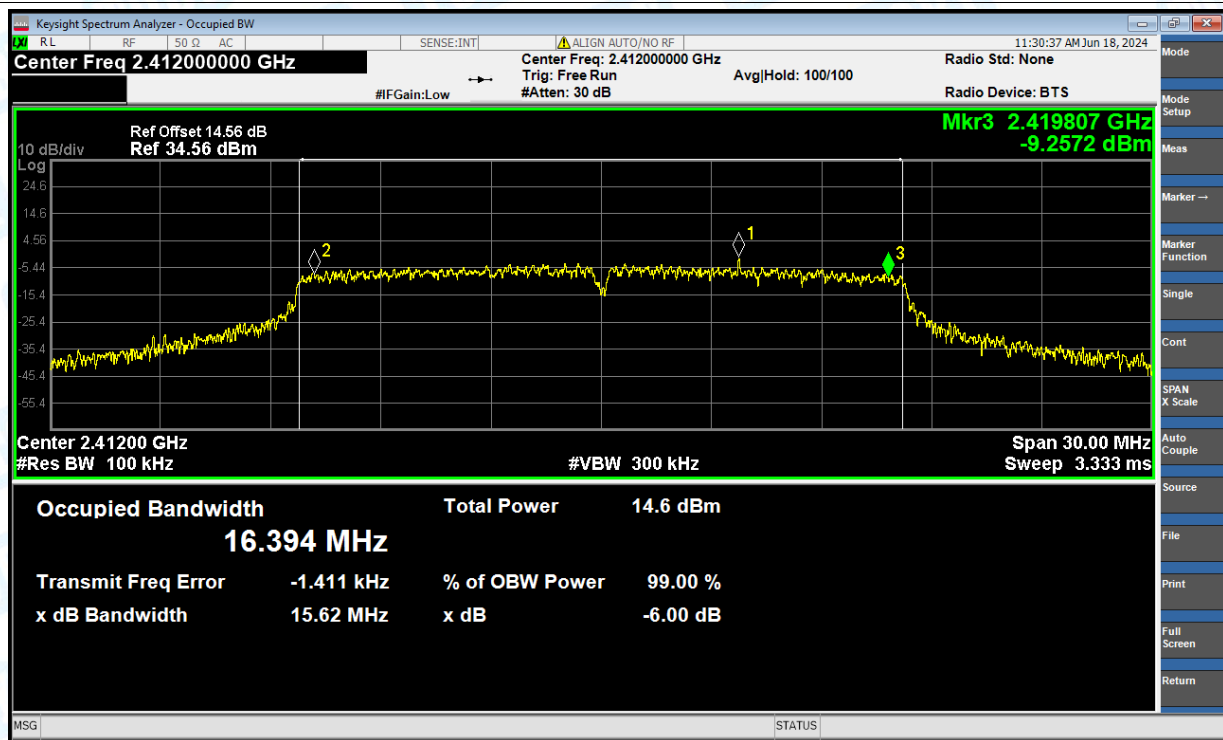
-6dB Bandwidth NVNT b 2437MHz Ant1



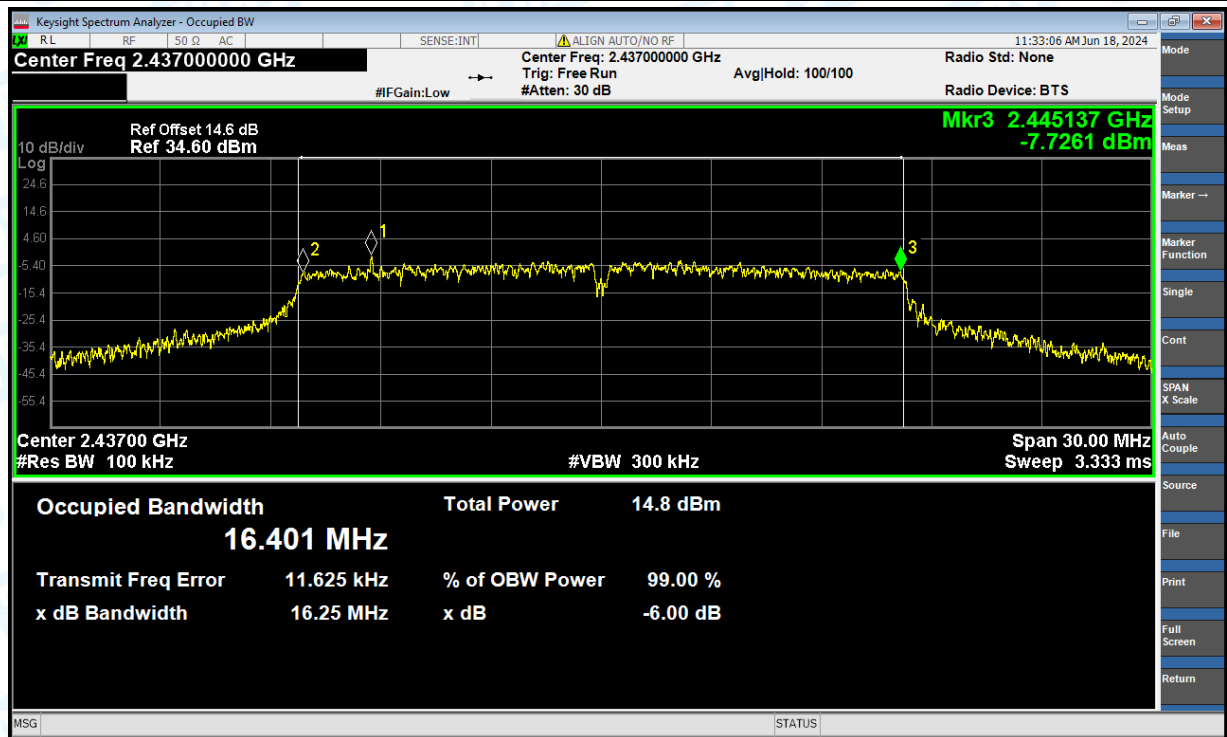
-6dB Bandwidth NVNT b 2462MHz Ant1



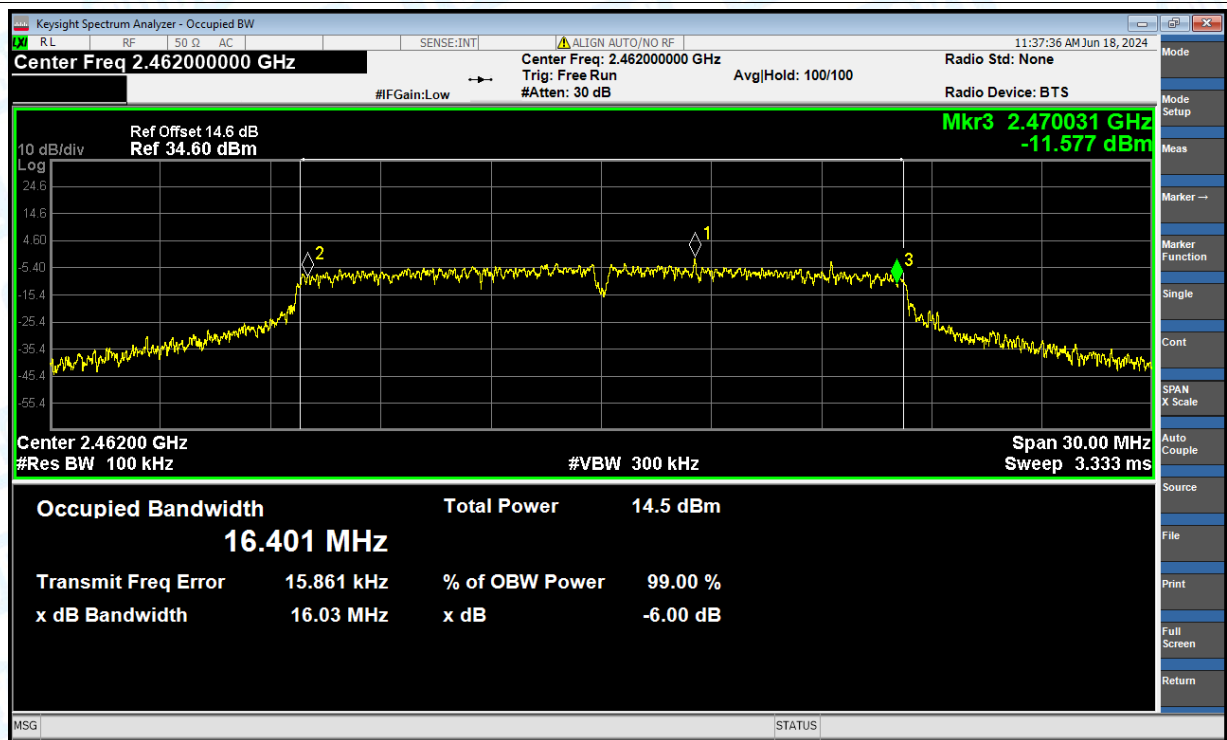
-6dB Bandwidth NVNT g 2412MHz Ant1



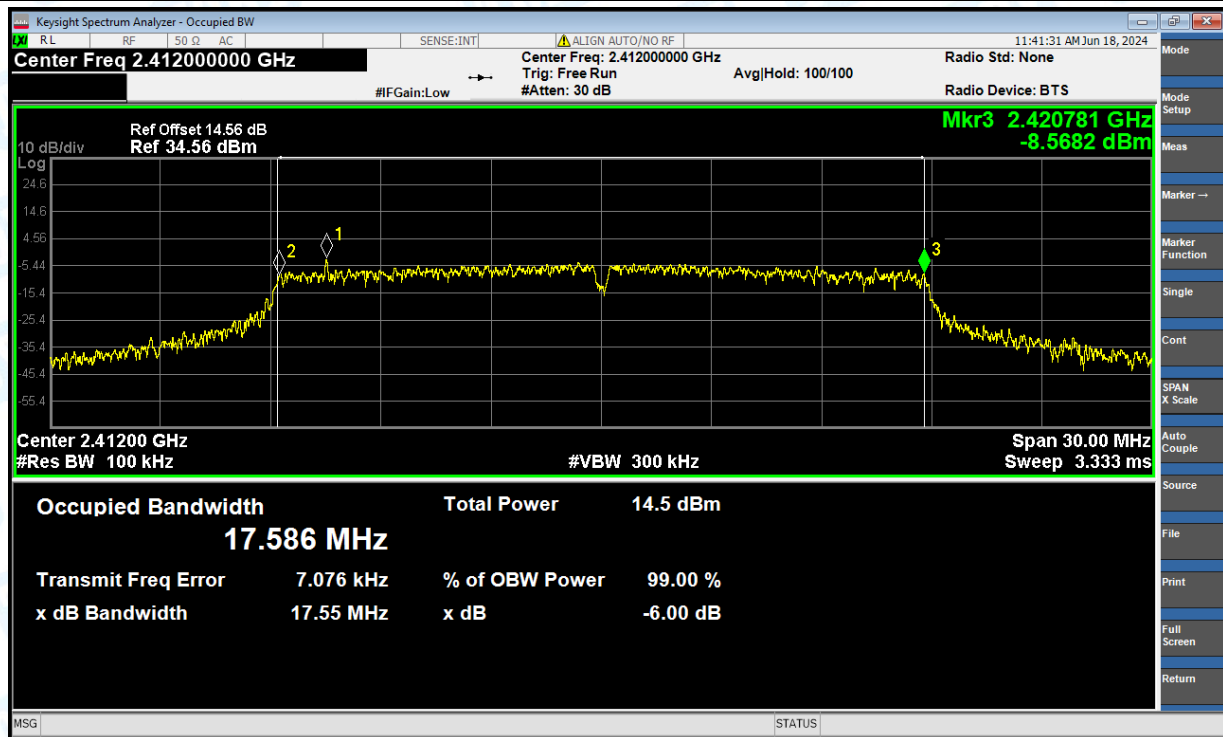
-6dB Bandwidth NVNT g 2437MHz Ant1



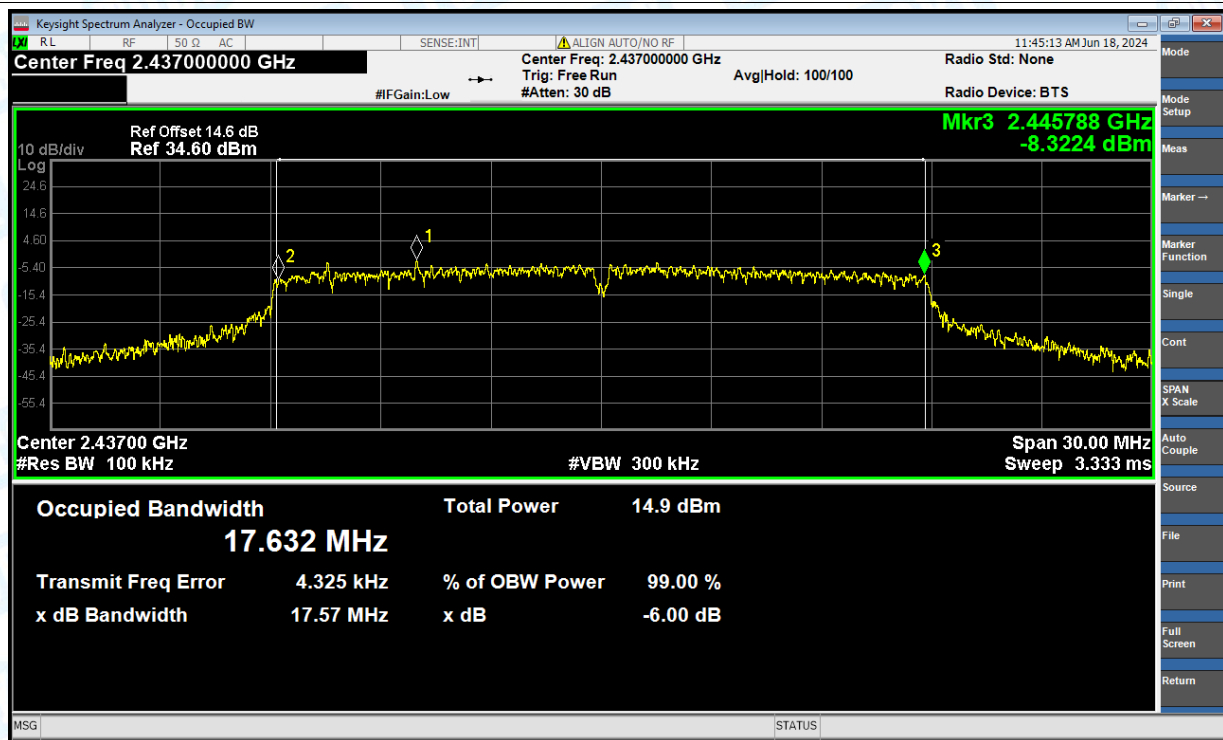
-6dB Bandwidth NVNT g 2462MHz Ant1



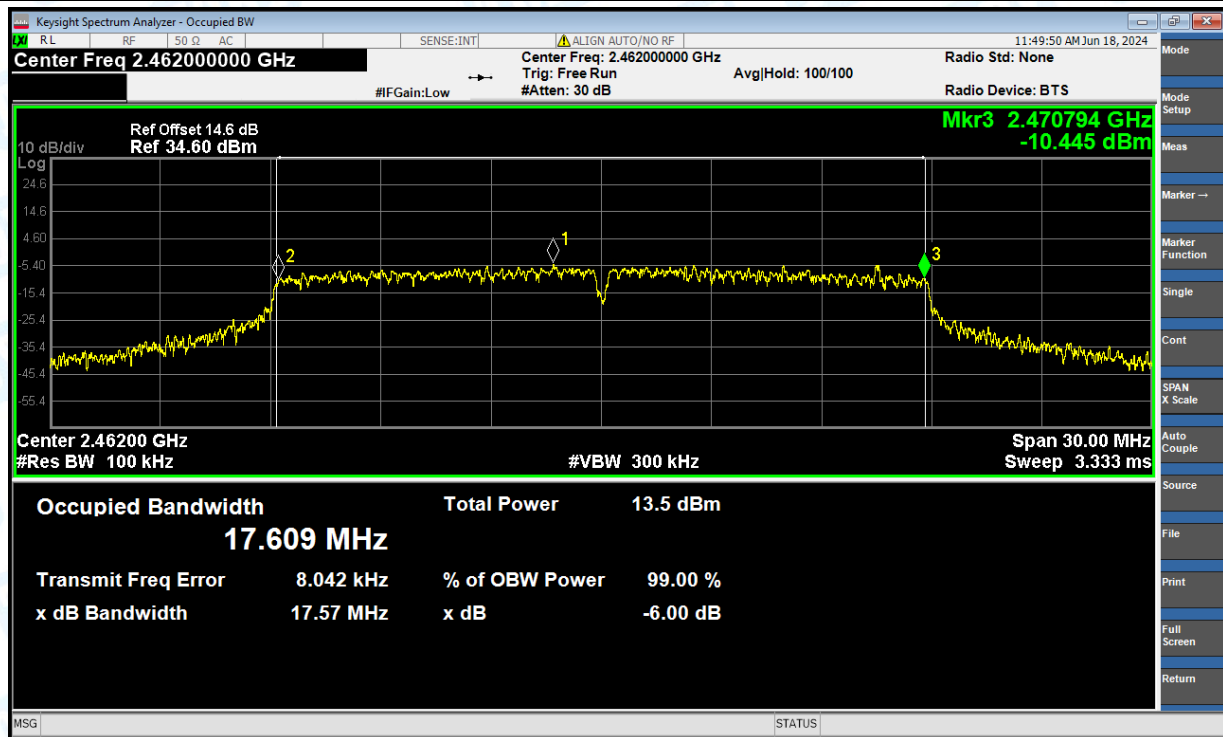
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



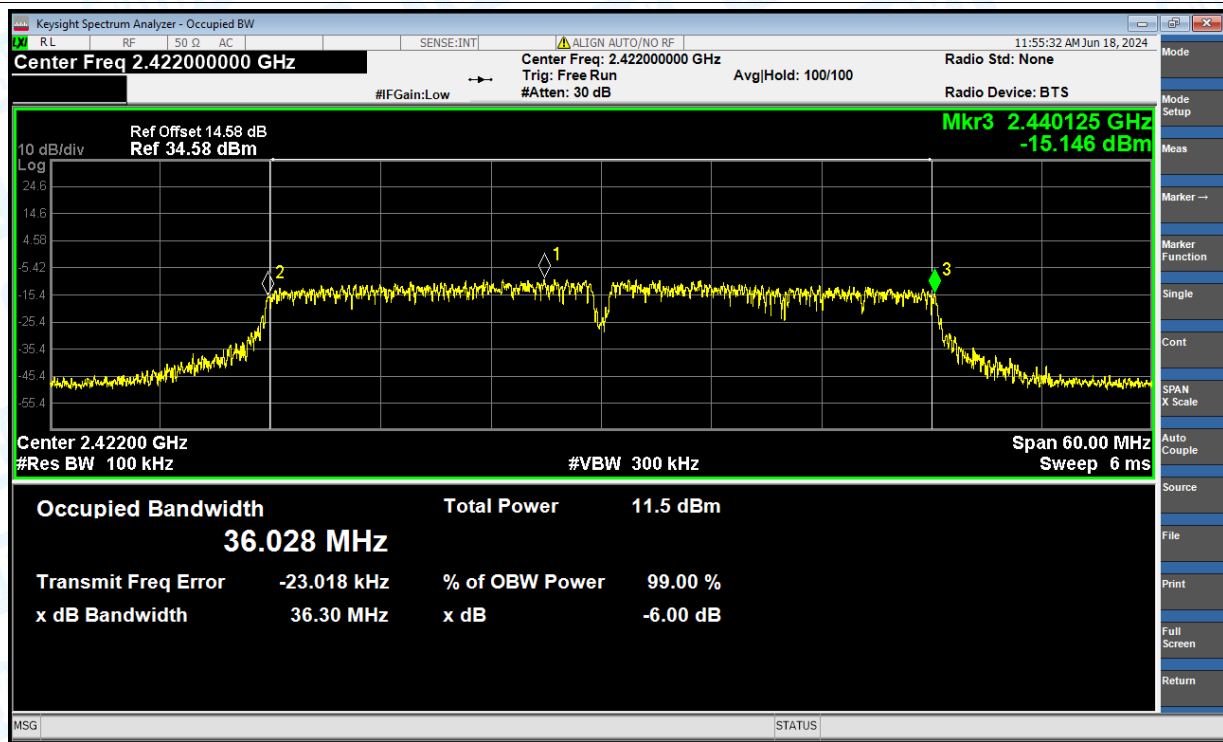
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



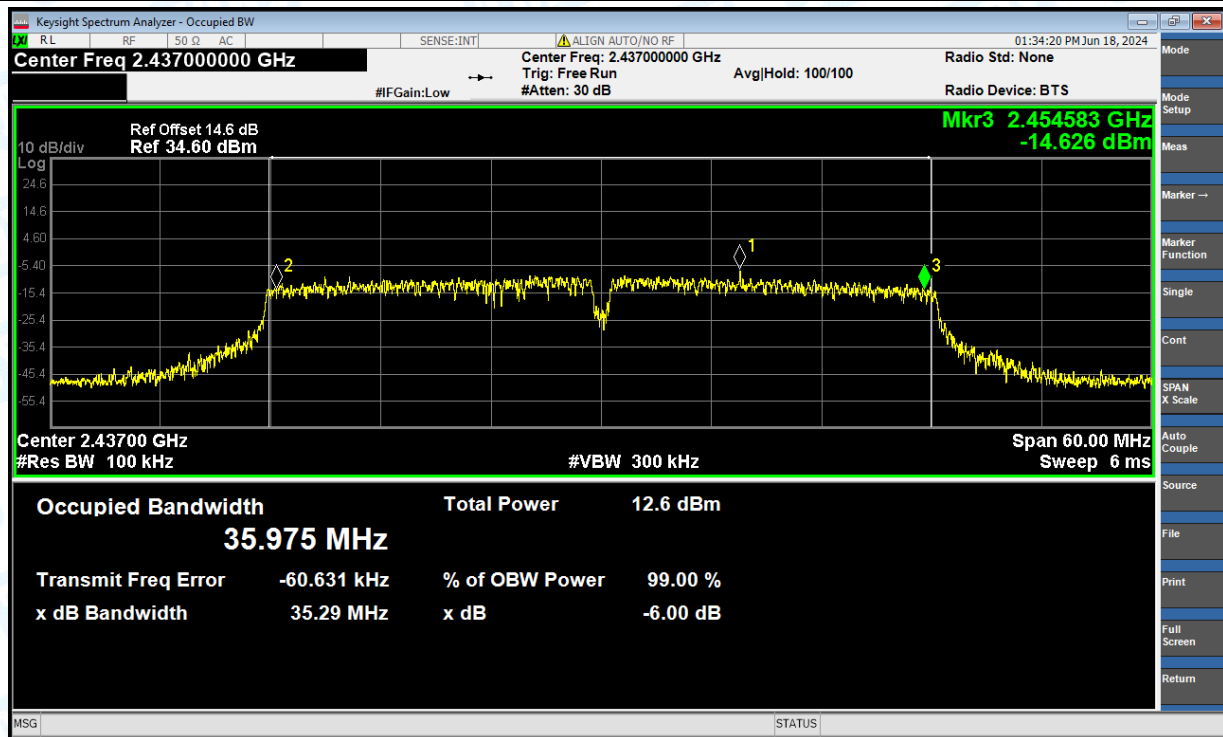
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



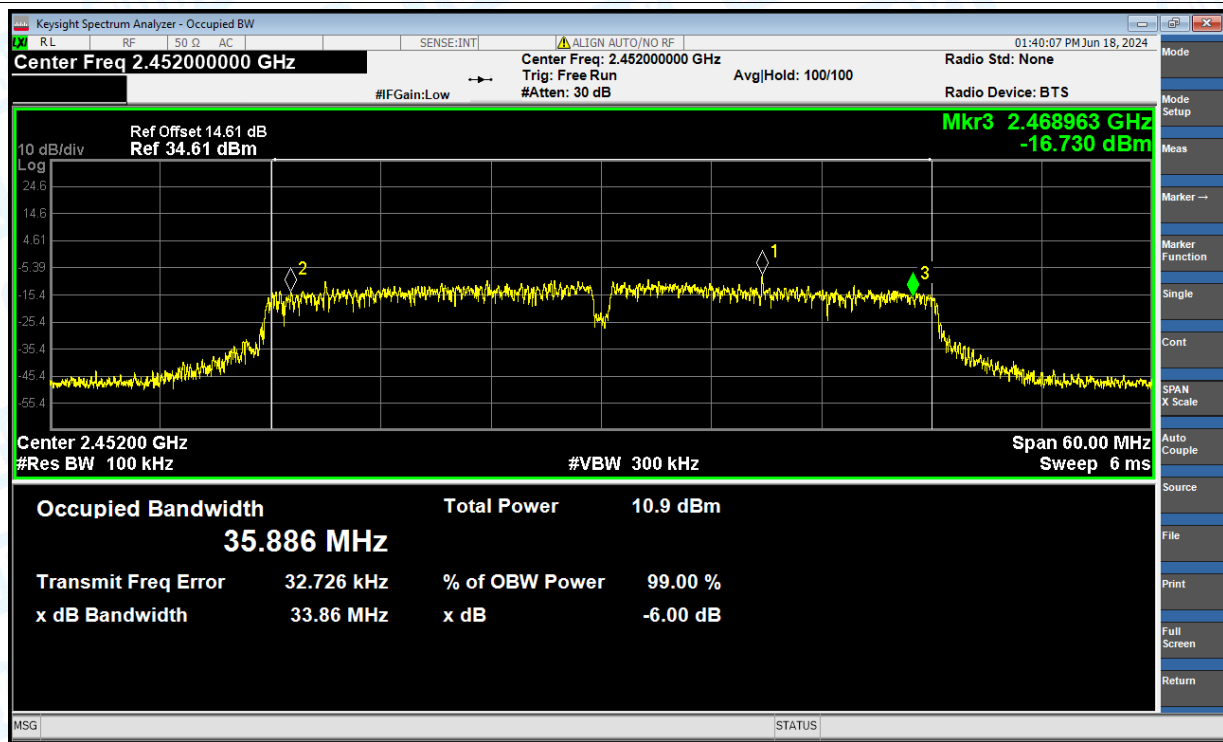
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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



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

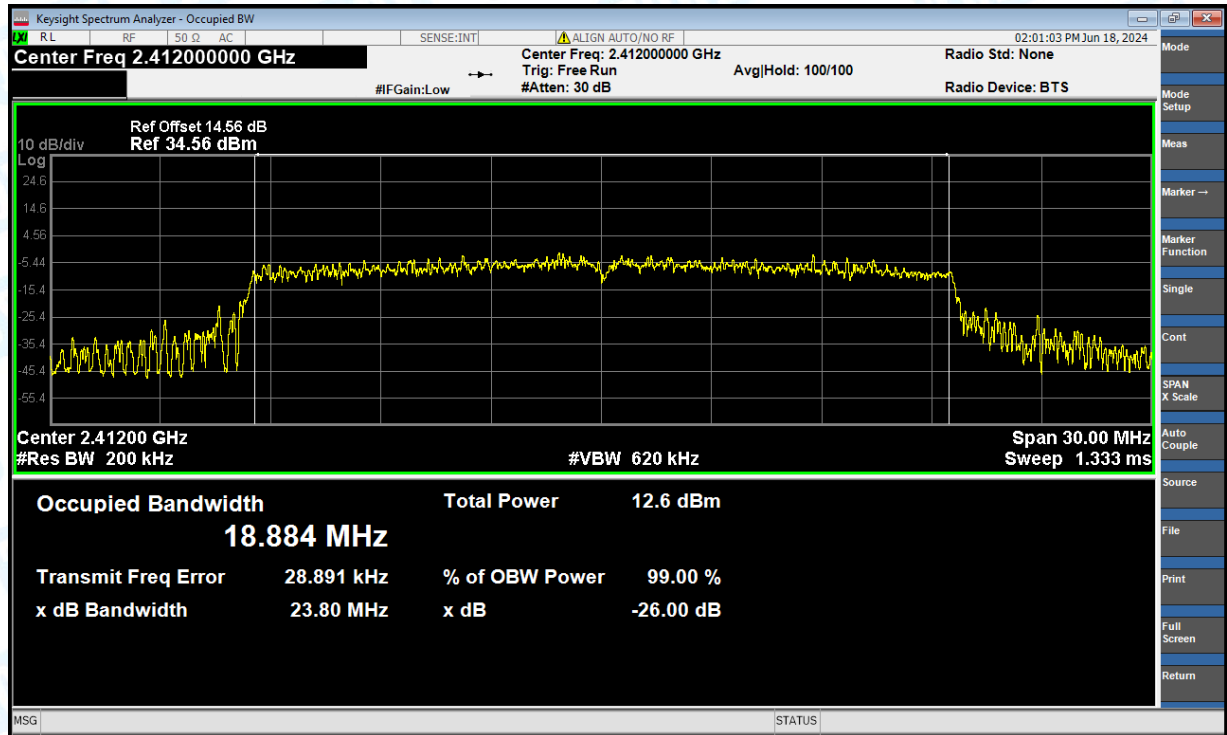


4. Occupied Channel Bandwidth

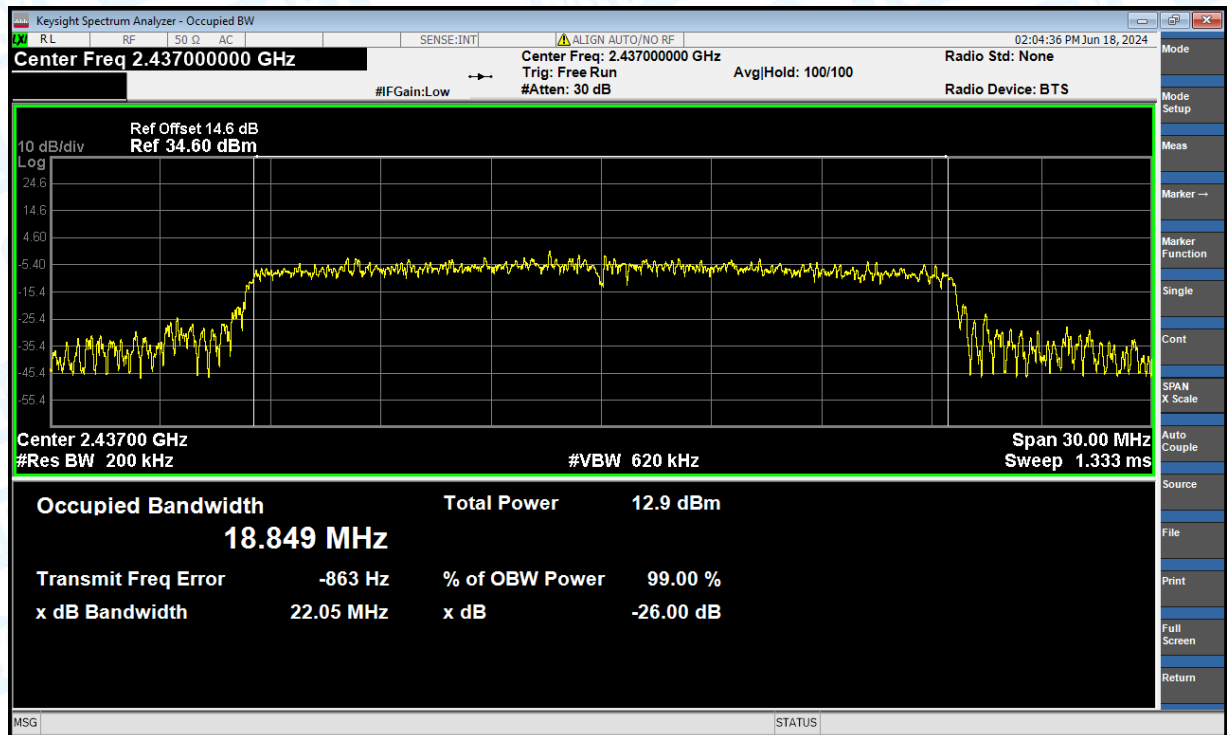
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax(VHT20)	2412	Ant1	18.884
NVNT	ax(VHT20)	2437	Ant1	18.849
NVNT	ax(VHT20)	2462	Ant1	18.883
NVNT	ax(VHT40)	2422	Ant1	37.669
NVNT	ax(VHT40)	2437	Ant1	37.699
NVNT	ax(VHT40)	2452	Ant1	37.369
NVNT	b	2412	Ant1	14.79
NVNT	b	2437	Ant1	14.847
NVNT	b	2462	Ant1	14.85
NVNT	g	2412	Ant1	16.478
NVNT	g	2437	Ant1	16.465
NVNT	g	2462	Ant1	16.475
NVNT	n(HT20)	2412	Ant1	17.719
NVNT	n(HT20)	2437	Ant1	17.667
NVNT	n(HT20)	2462	Ant1	17.667
NVNT	n(HT40)	2422	Ant1	36.172
NVNT	n(HT40)	2437	Ant1	36.157
NVNT	n(HT40)	2452	Ant1	36.045

Test Graphs

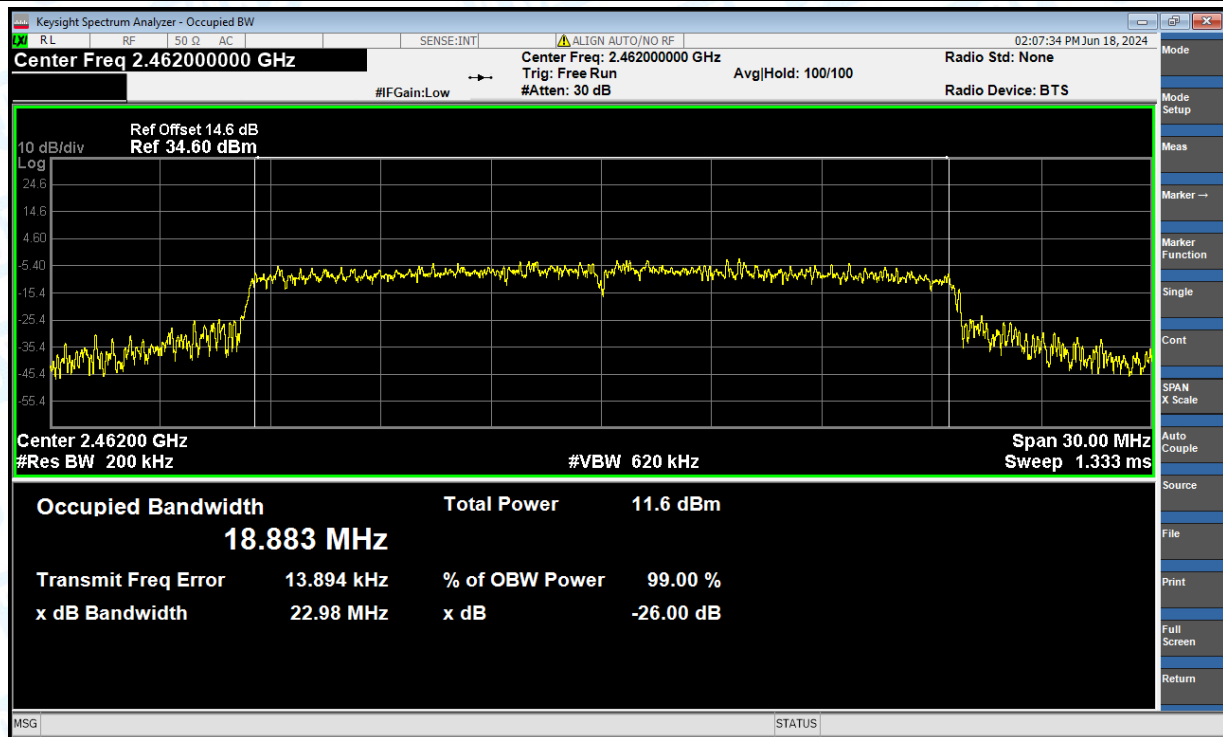
OBW NVNT ax(VHT20) 2412MHz Ant1



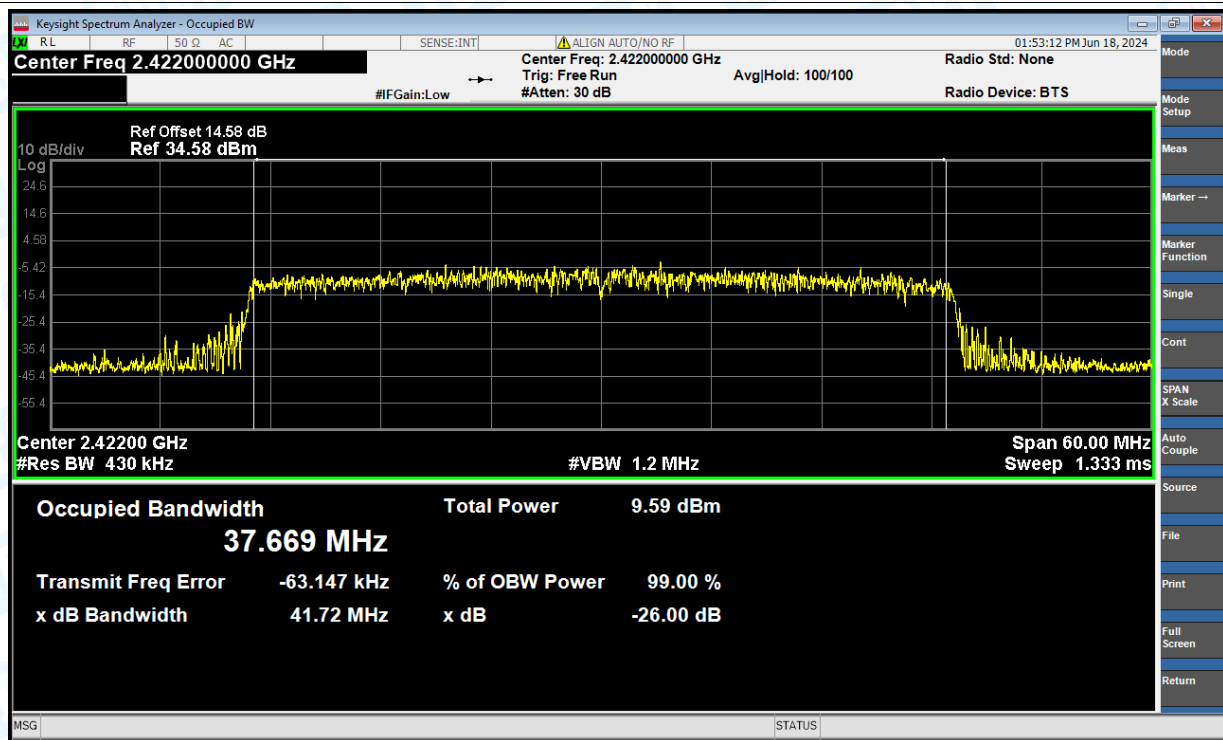
OBW NVNT ax(VHT20) 2437MHz Ant1



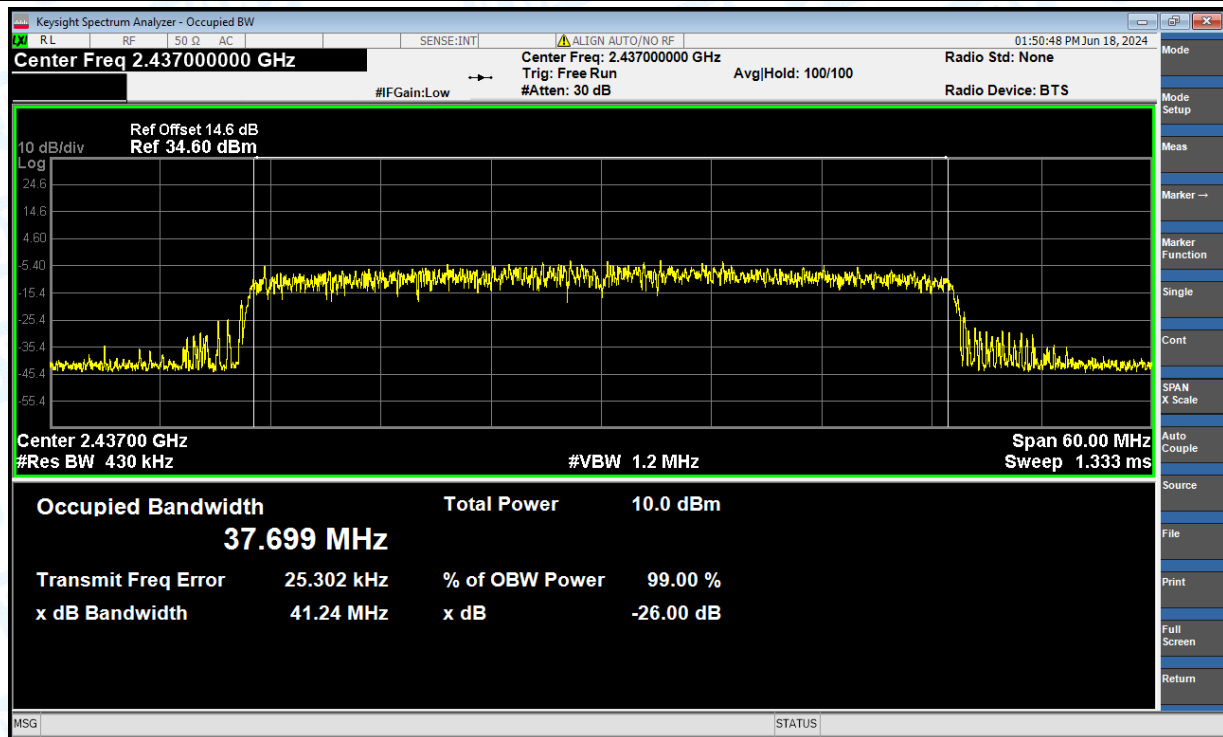
OBW NVNT ax(VHT20) 2462MHz Ant1



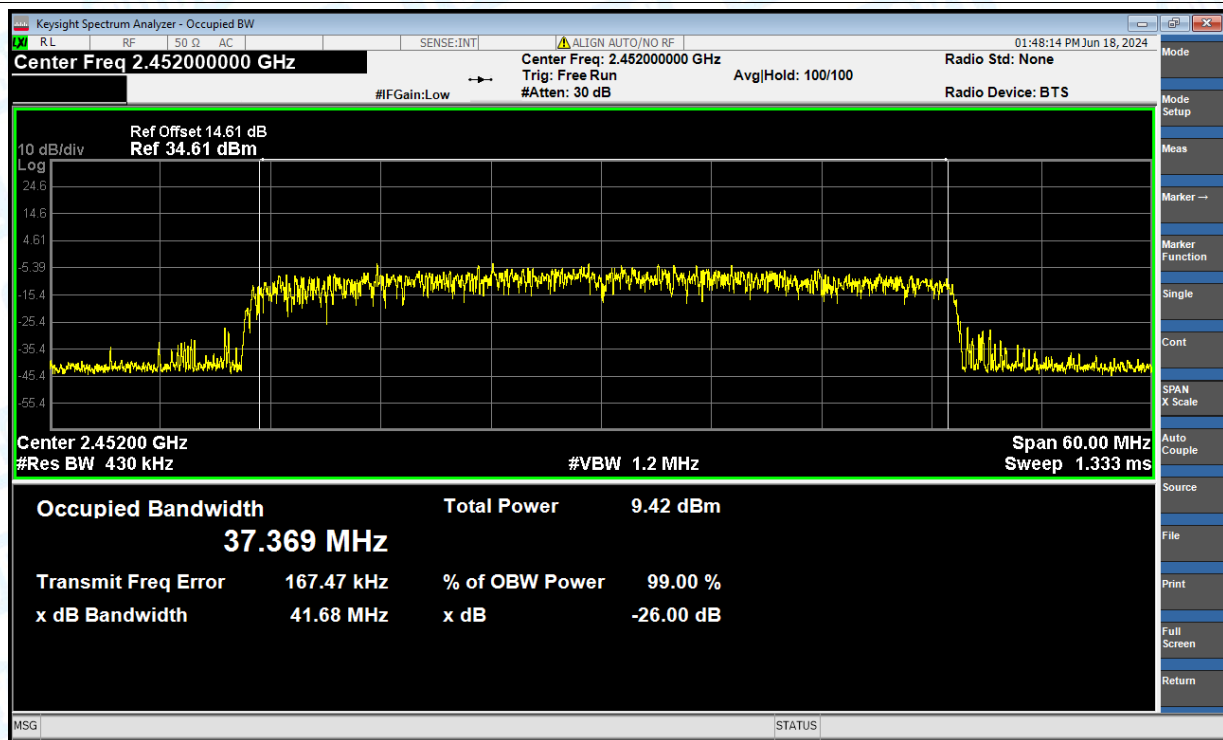
OBW NVNT ax(VHT40) 2422MHz Ant1



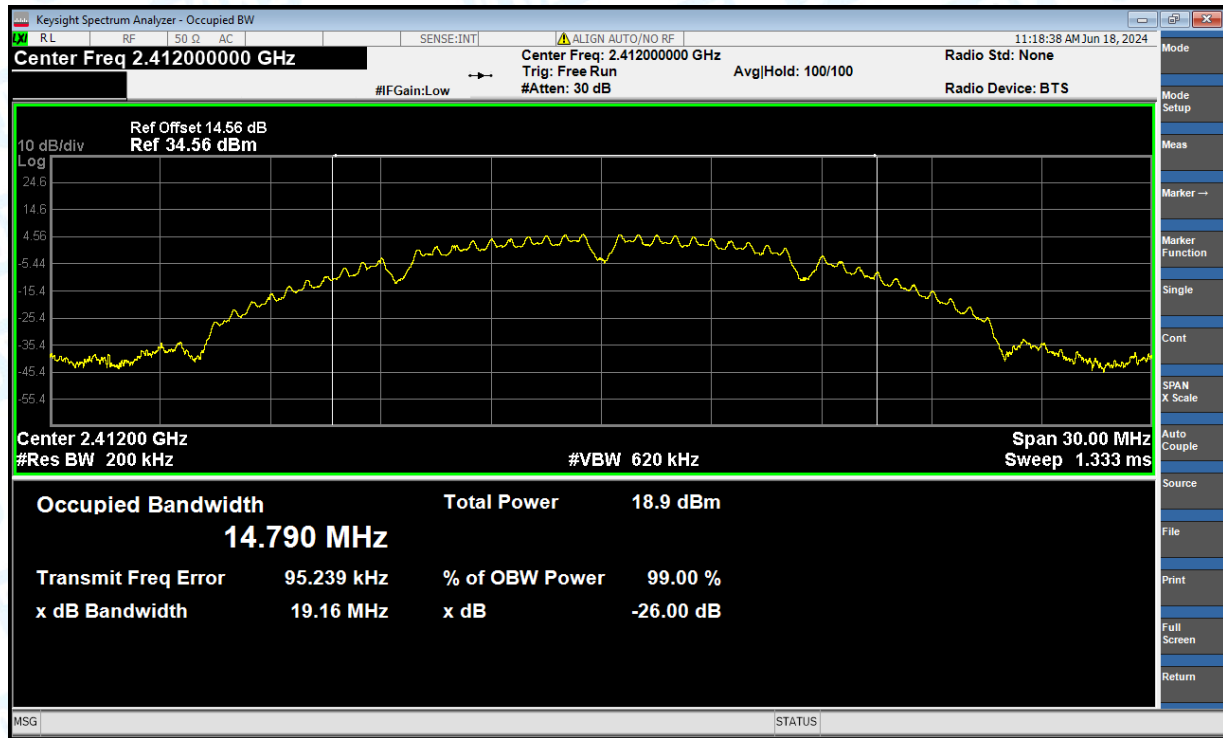
OBW NVNT ax(VHT40) 2437MHz Ant1



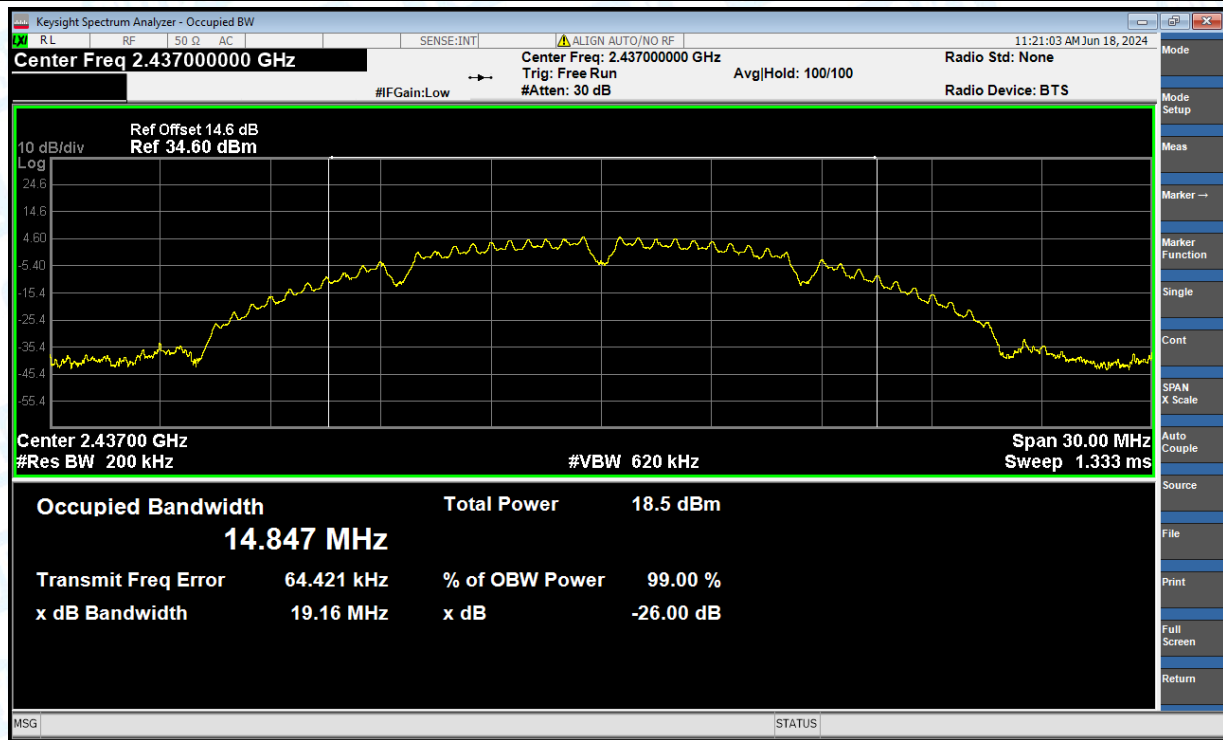
OBW NVNT ax(VHT40) 2452MHz Ant1



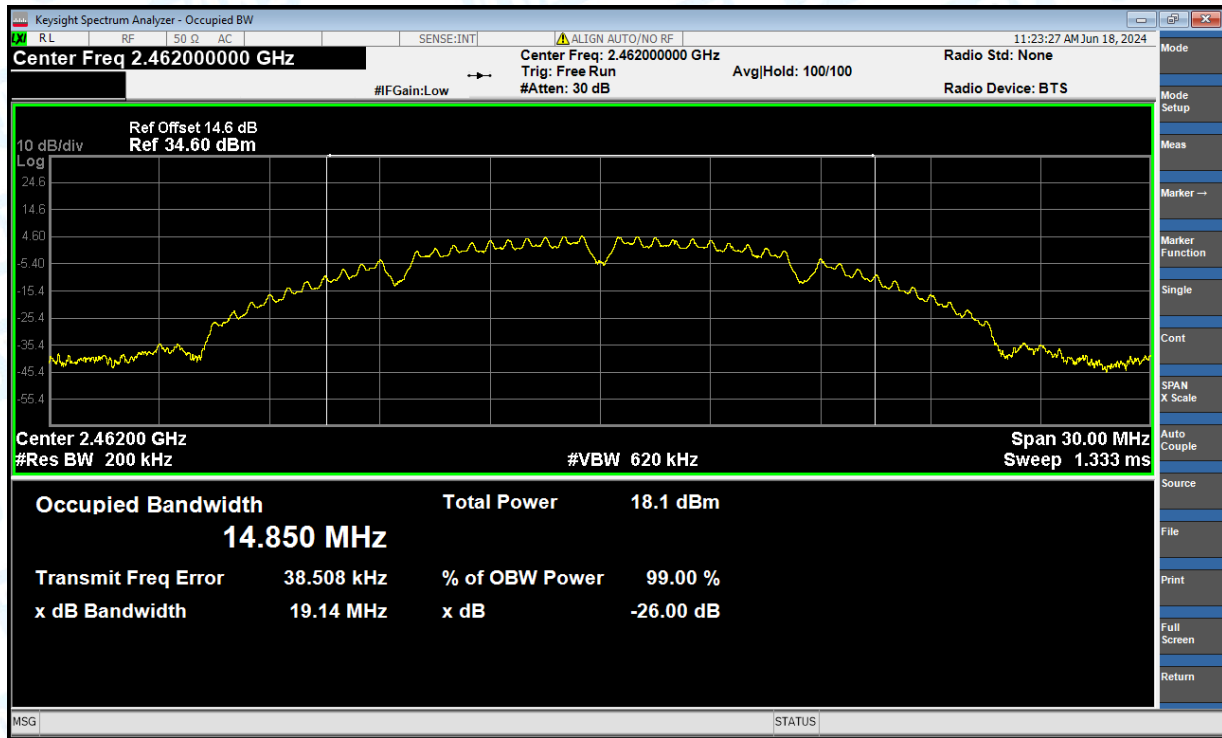
OBW NVNT b 2412MHz Ant1



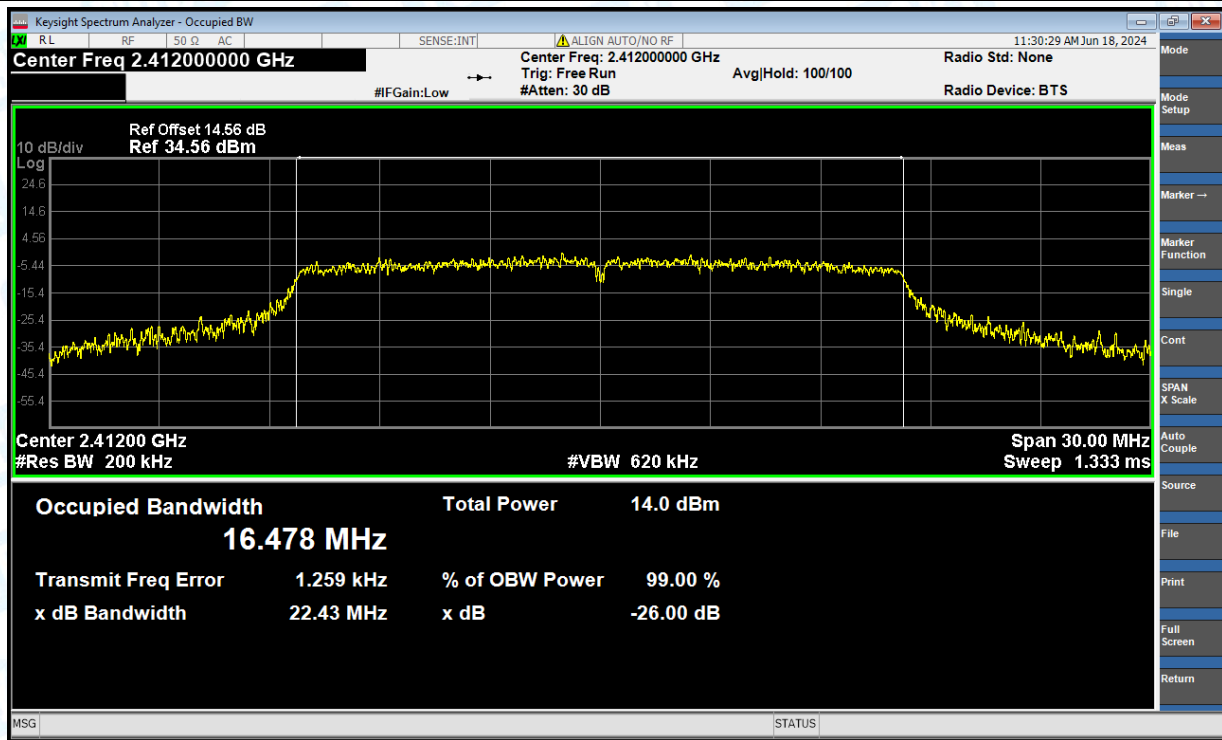
OBW NVNT b 2437MHz Ant1



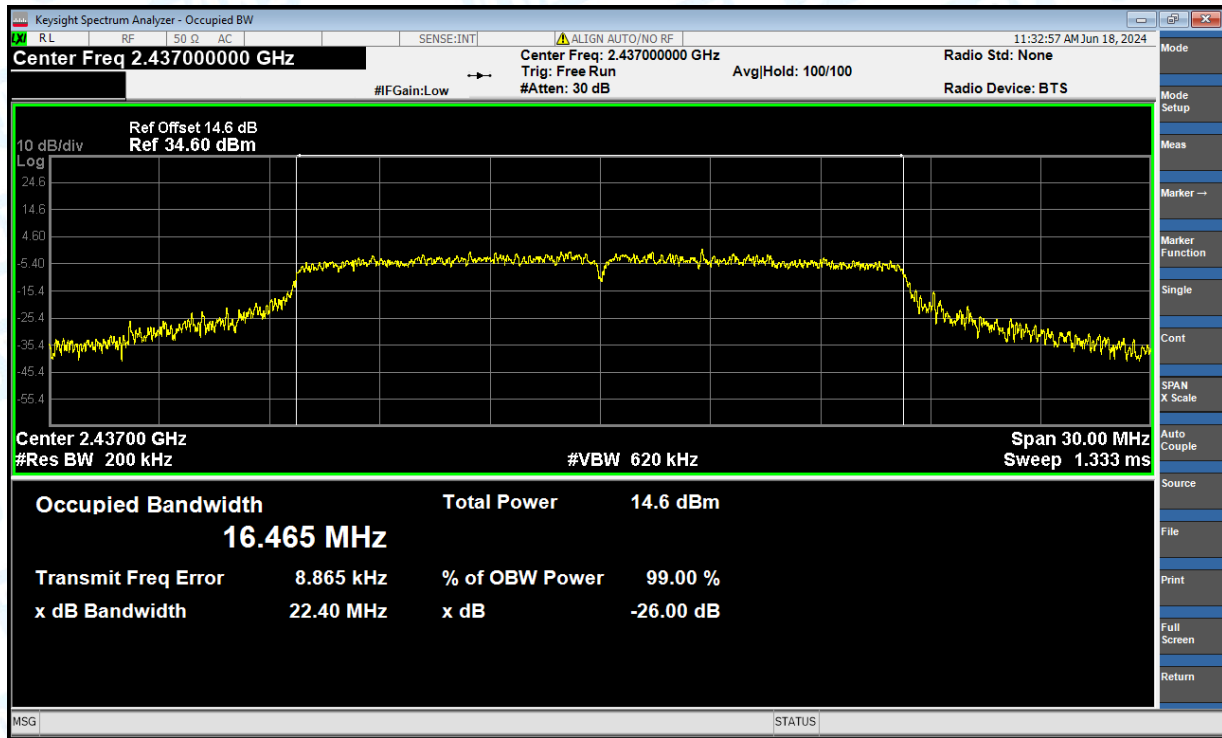
OBW NVNT b 2462MHz Ant1



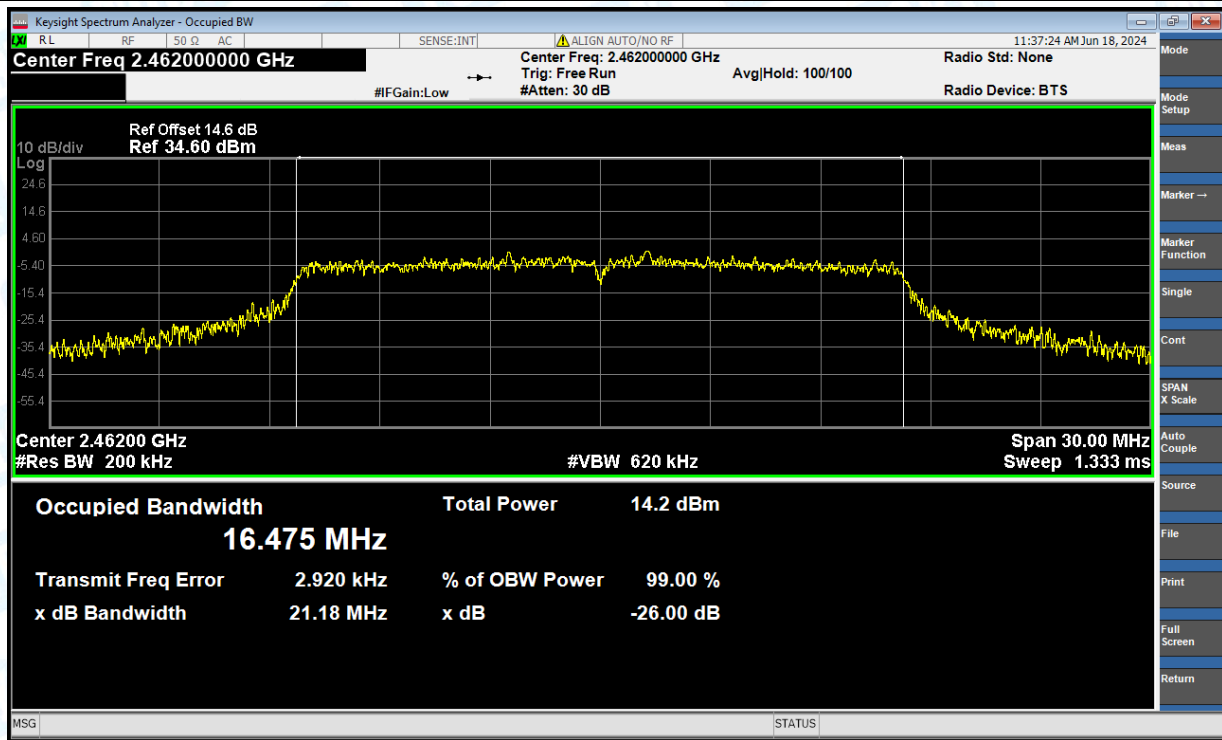
OBW NVNT g 2412MHz Ant1



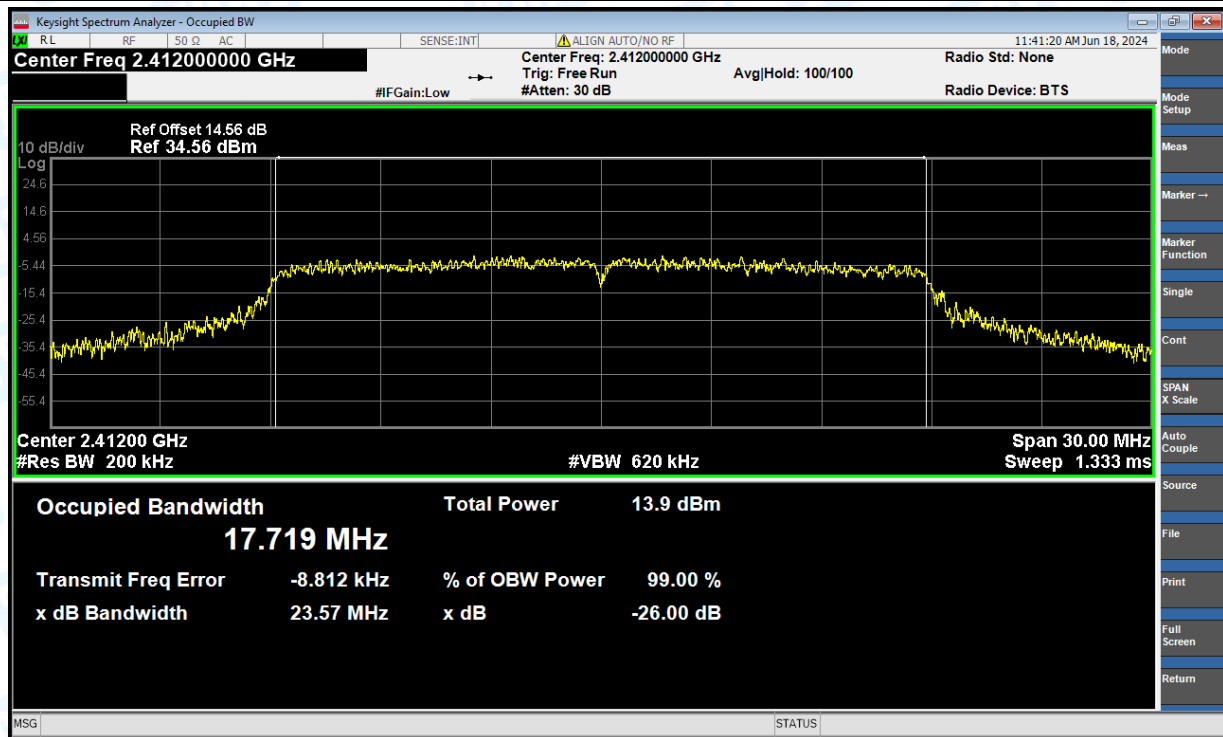
OBW NVNT g 2437MHz Ant1



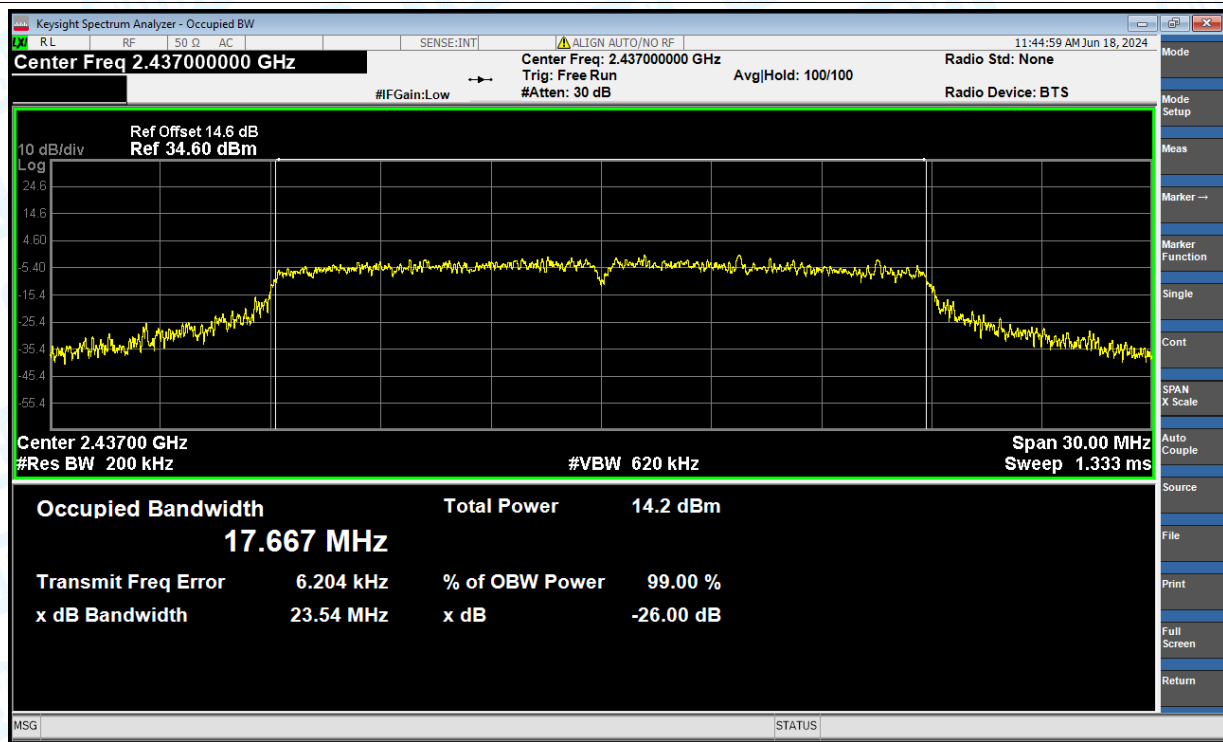
OBW NVNT g 2462MHz Ant1



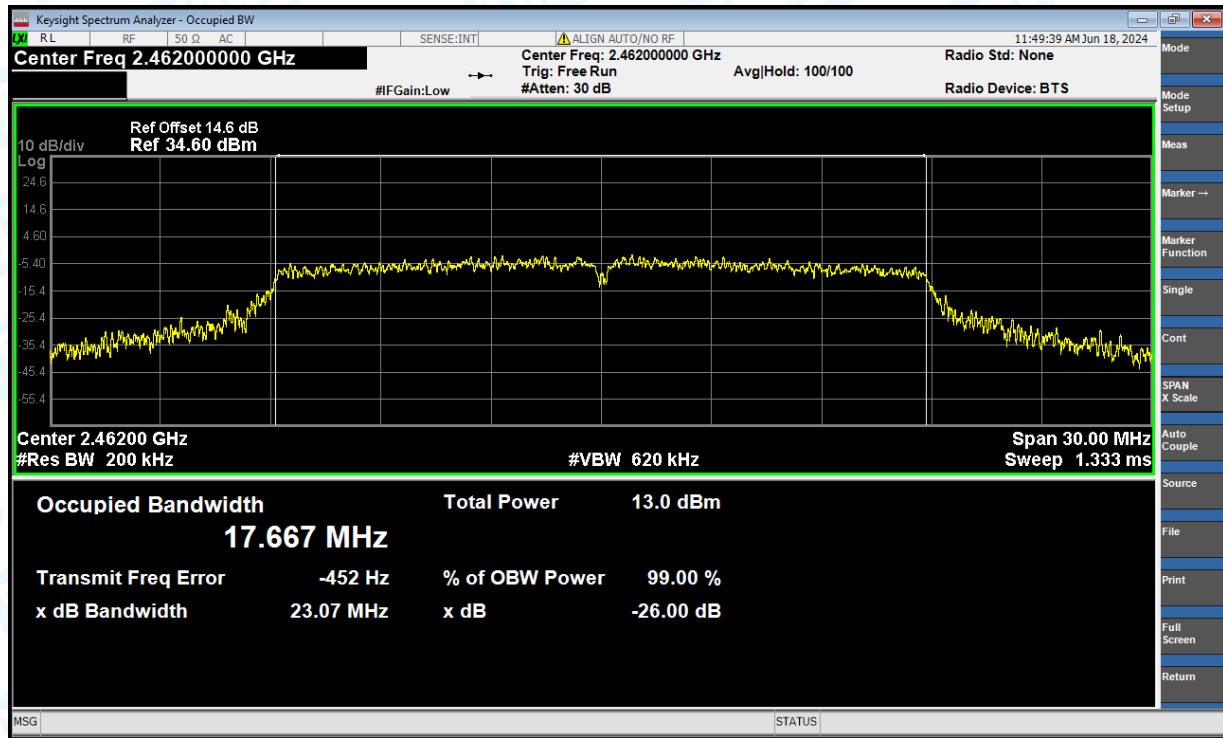
OBW NVNT n(HT20) 2412MHz Ant1



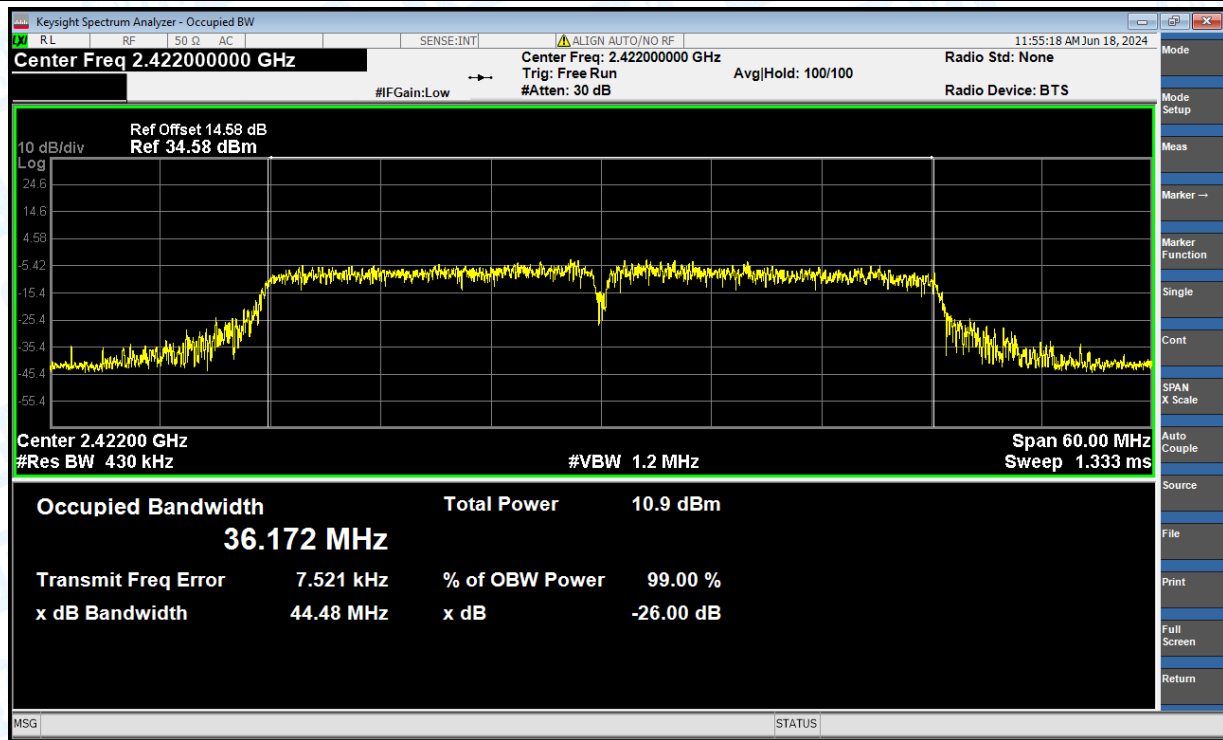
OBW NVNT n(HT20) 2437MHz Ant1



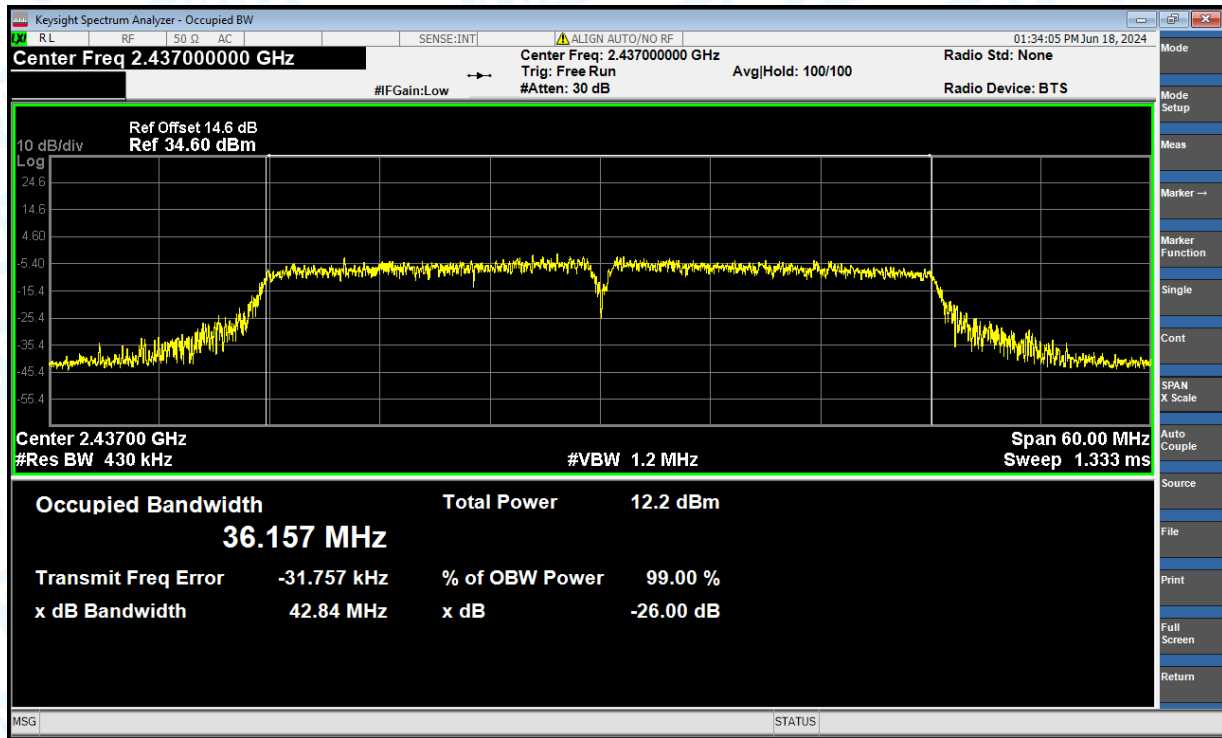
OBW NVNT n(HT20) 2462MHz Ant1



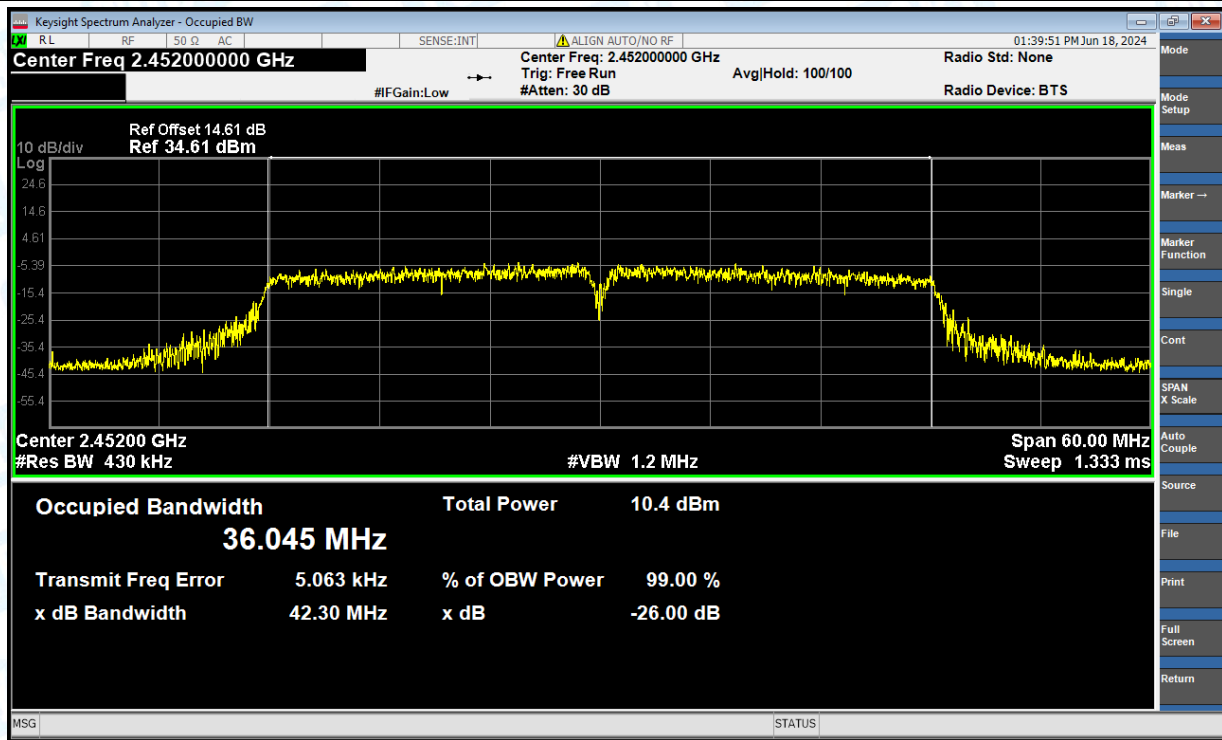
OBW NVNT n(HT40) 2422MHz Ant1



OBW NVNT n(HT40) 2437MHz Ant1



OBW NVNT n(HT40) 2452MHz Ant1

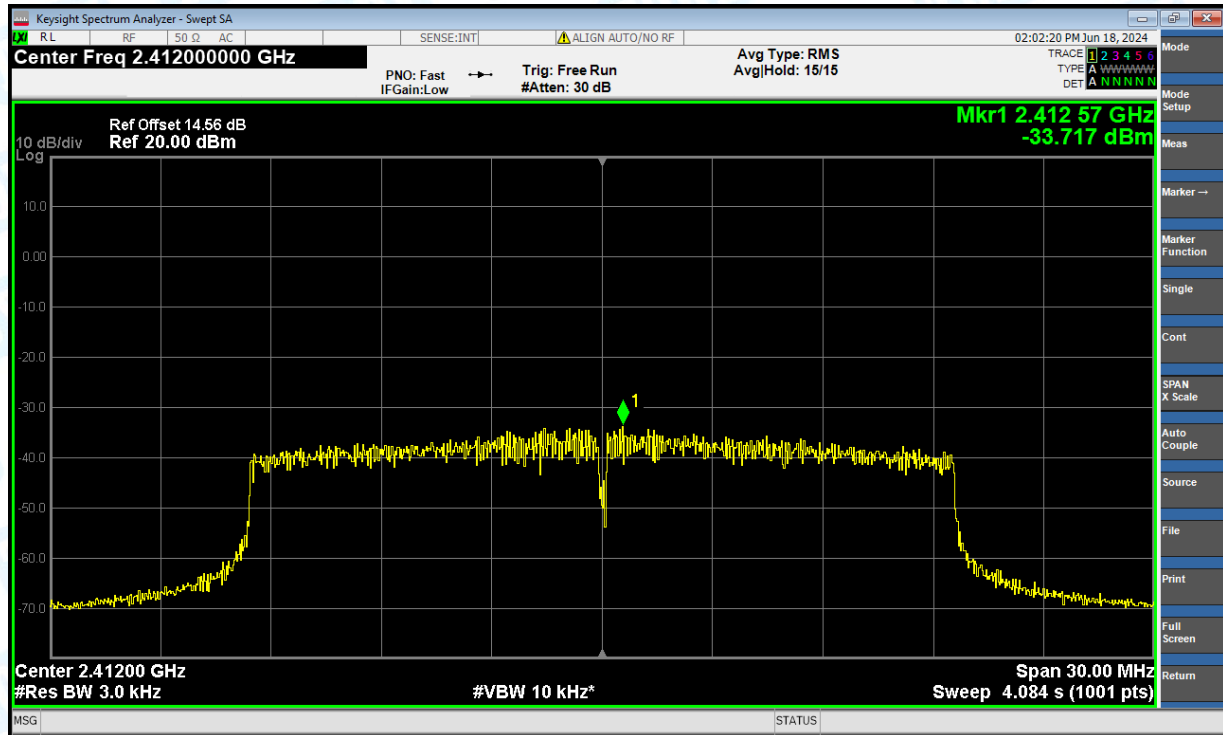


5. Maximum Power Spectral Density Level

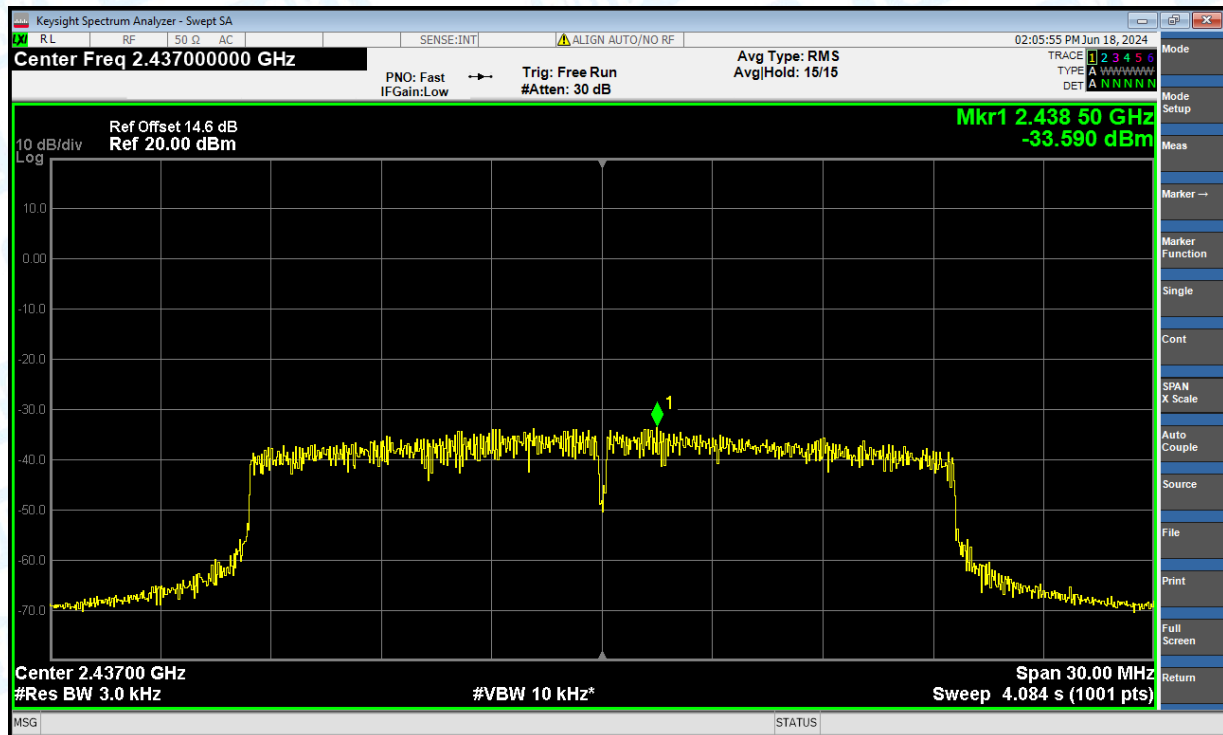
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-33.717	8	Pass
NVNT	ax(VHT20)	2437	Ant1	-33.59	8	Pass
NVNT	ax(VHT20)	2462	Ant1	-33.778	8	Pass
NVNT	ax(VHT40)	2422	Ant1	-41.832	8	Pass
NVNT	ax(VHT40)	2437	Ant1	-41.724	8	Pass
NVNT	ax(VHT40)	2452	Ant1	-41.58	8	Pass
NVNT	b	2412	Ant1	-19.406	8	Pass
NVNT	b	2437	Ant1	-20.081	8	Pass
NVNT	b	2462	Ant1	-19.149	8	Pass
NVNT	g	2412	Ant1	-29.483	8	Pass
NVNT	g	2437	Ant1	-30.136	8	Pass
NVNT	g	2462	Ant1	-31.263	8	Pass
NVNT	n(HT20)	2412	Ant1	-30.121	8	Pass
NVNT	n(HT20)	2437	Ant1	-31.163	8	Pass
NVNT	n(HT20)	2462	Ant1	-31.218	8	Pass
NVNT	n(HT40)	2422	Ant1	-39.759	8	Pass
NVNT	n(HT40)	2437	Ant1	-38.469	8	Pass
NVNT	n(HT40)	2452	Ant1	-40.548	8	Pass

Test Graphs

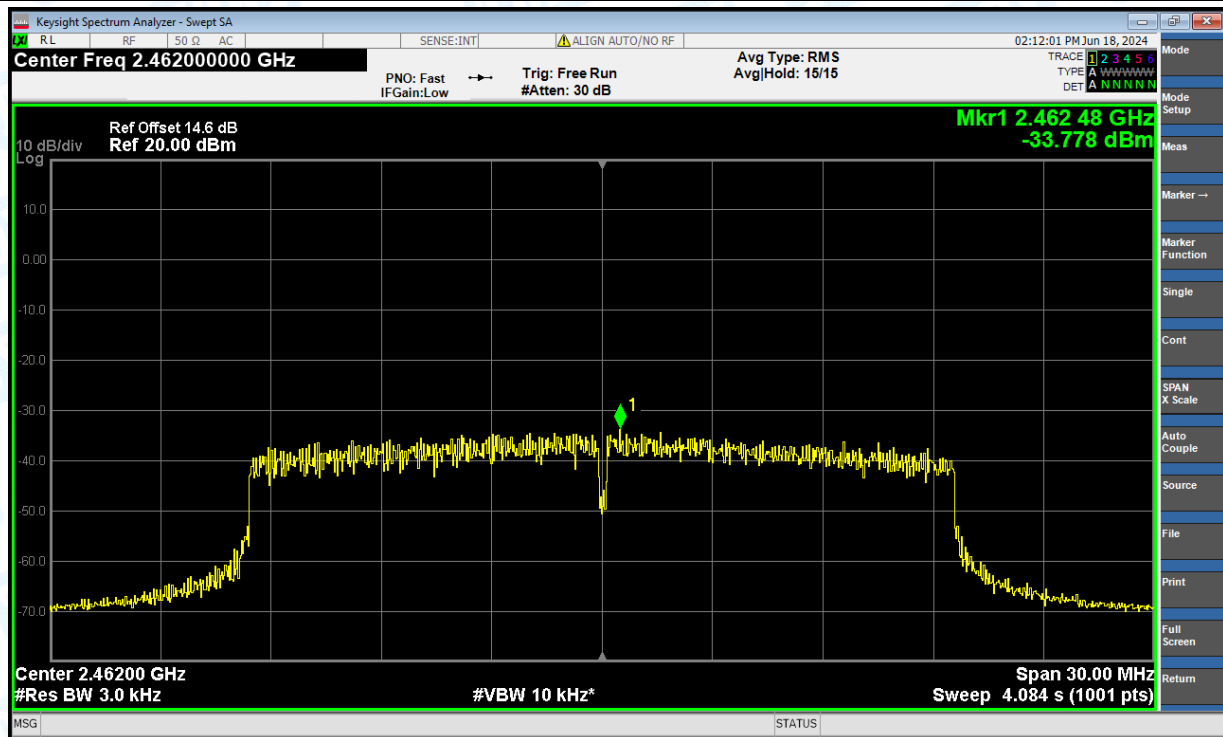
PSD NVNT ax(VHT20) 2412MHz Ant1



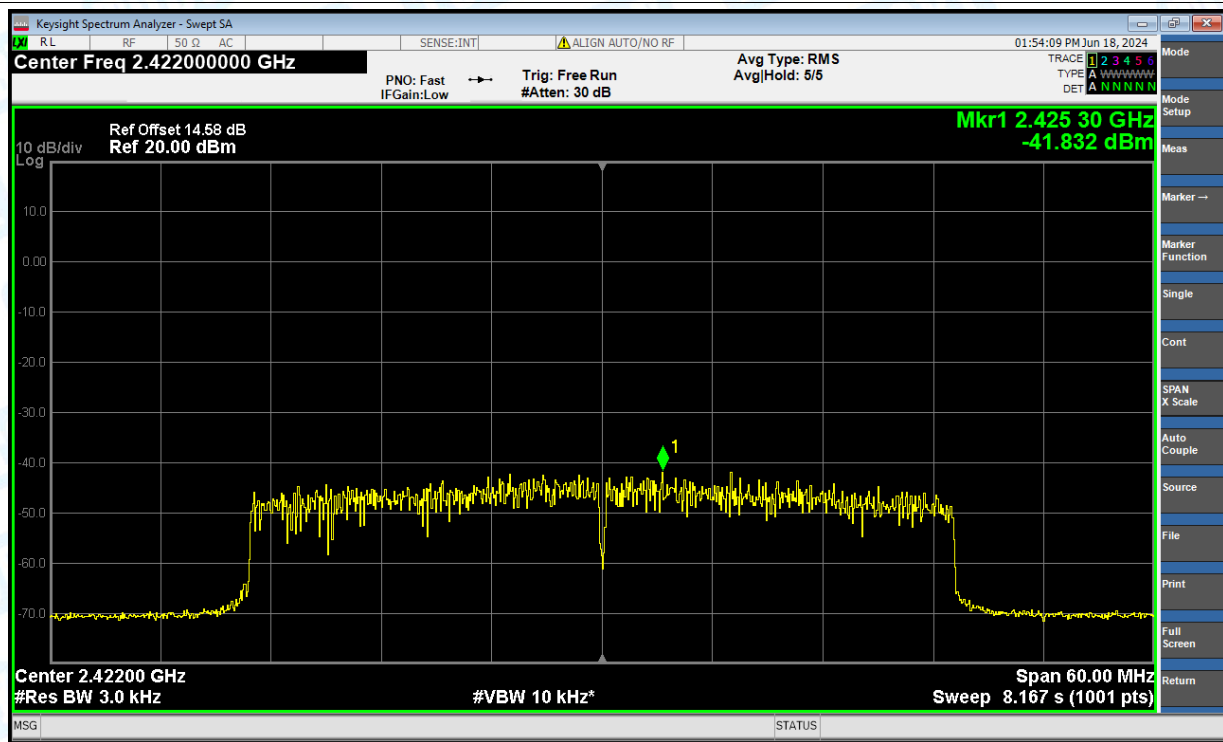
PSD NVNT ax(VHT20) 2437MHz Ant1



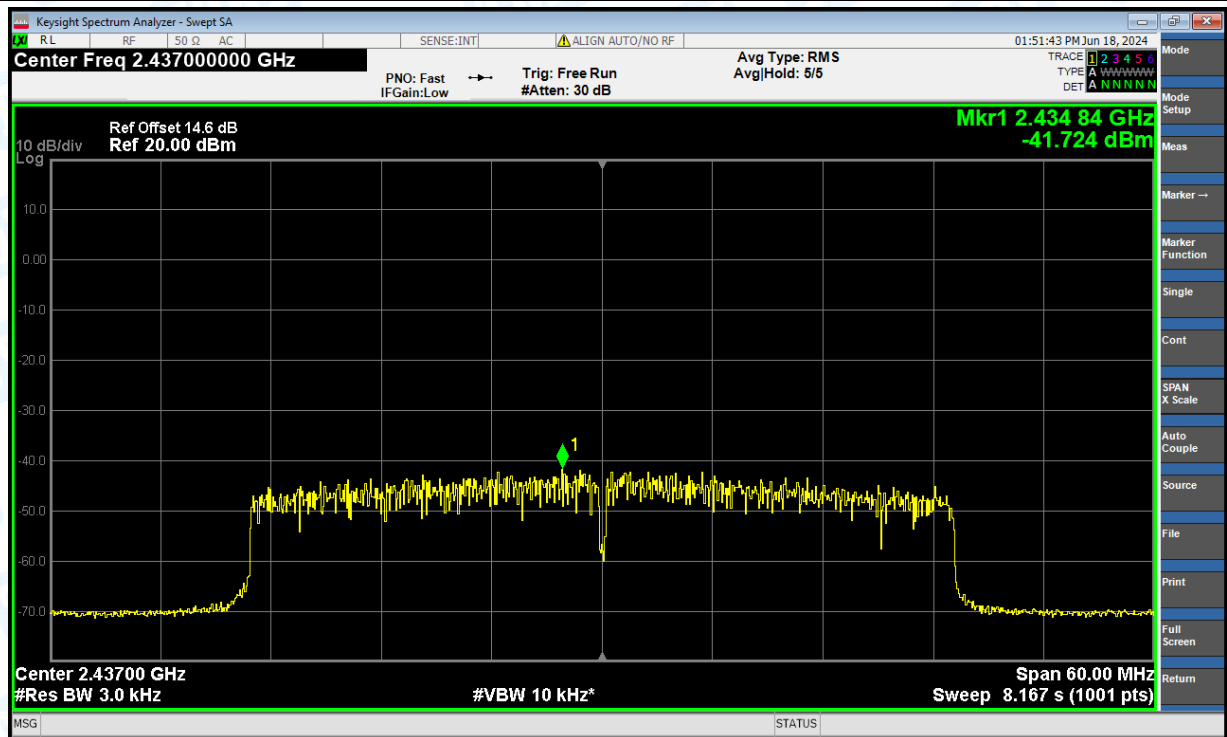
PSD NVNT ax(VHT20) 2462MHz Ant1



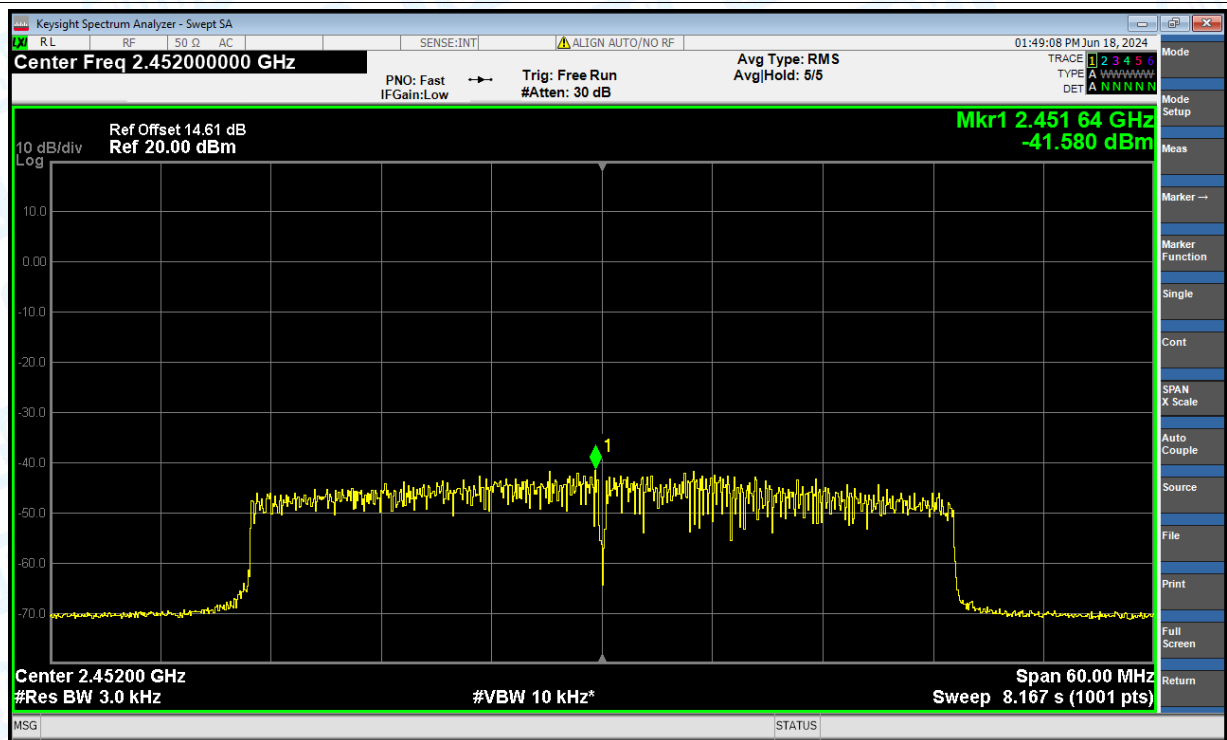
PSD NVNT ax(VHT40) 2422MHz Ant1



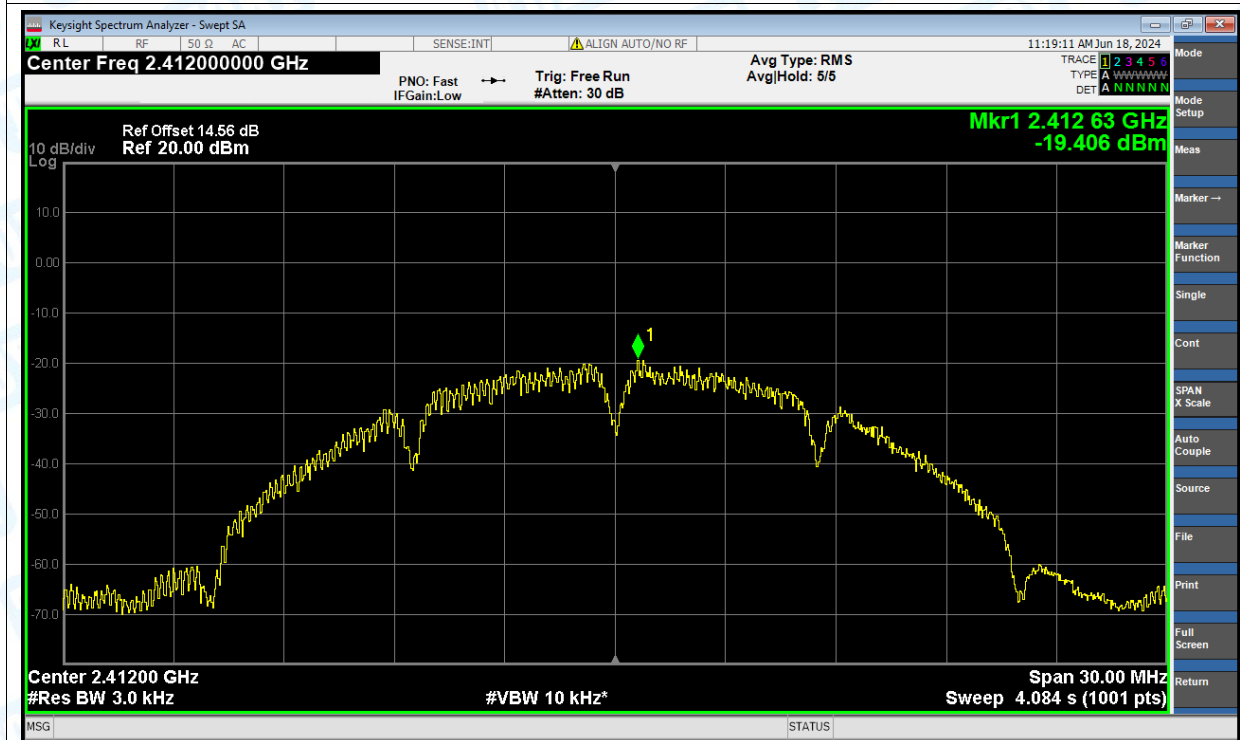
PSD NVNT ax(VHT40) 2437MHz Ant1



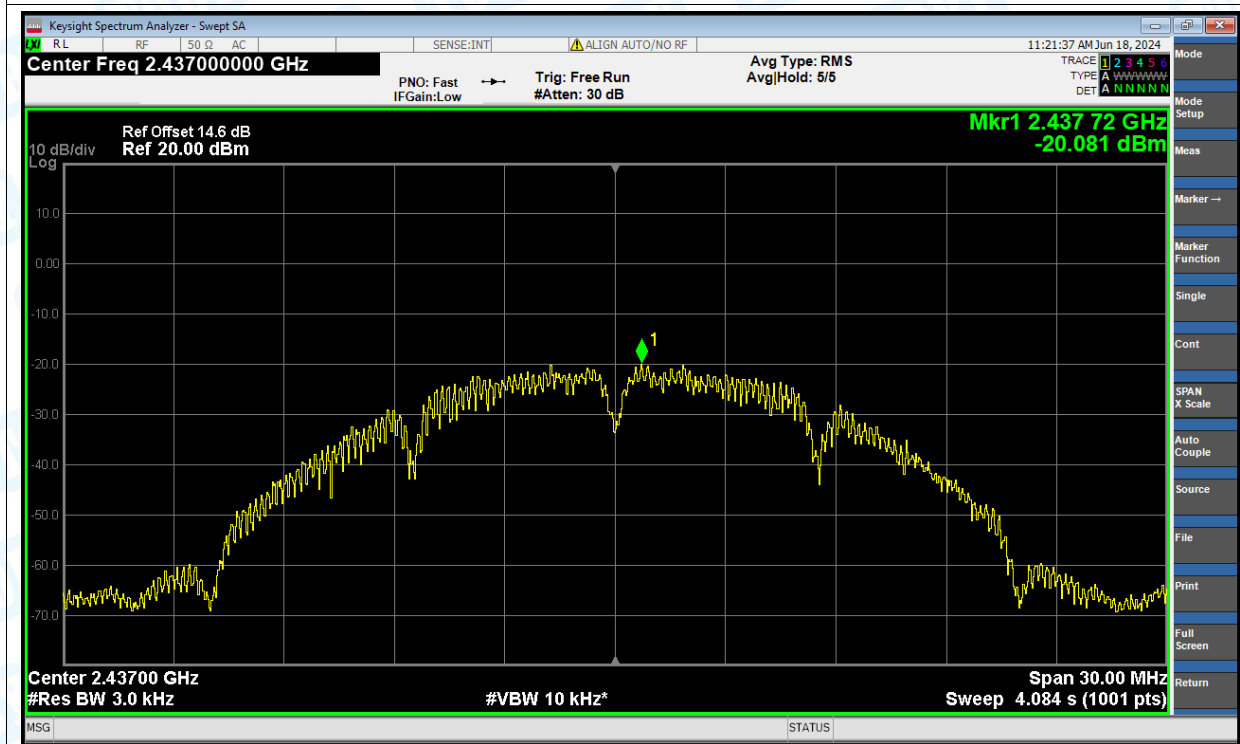
PSD NVNT ax(VHT40) 2452MHz Ant1



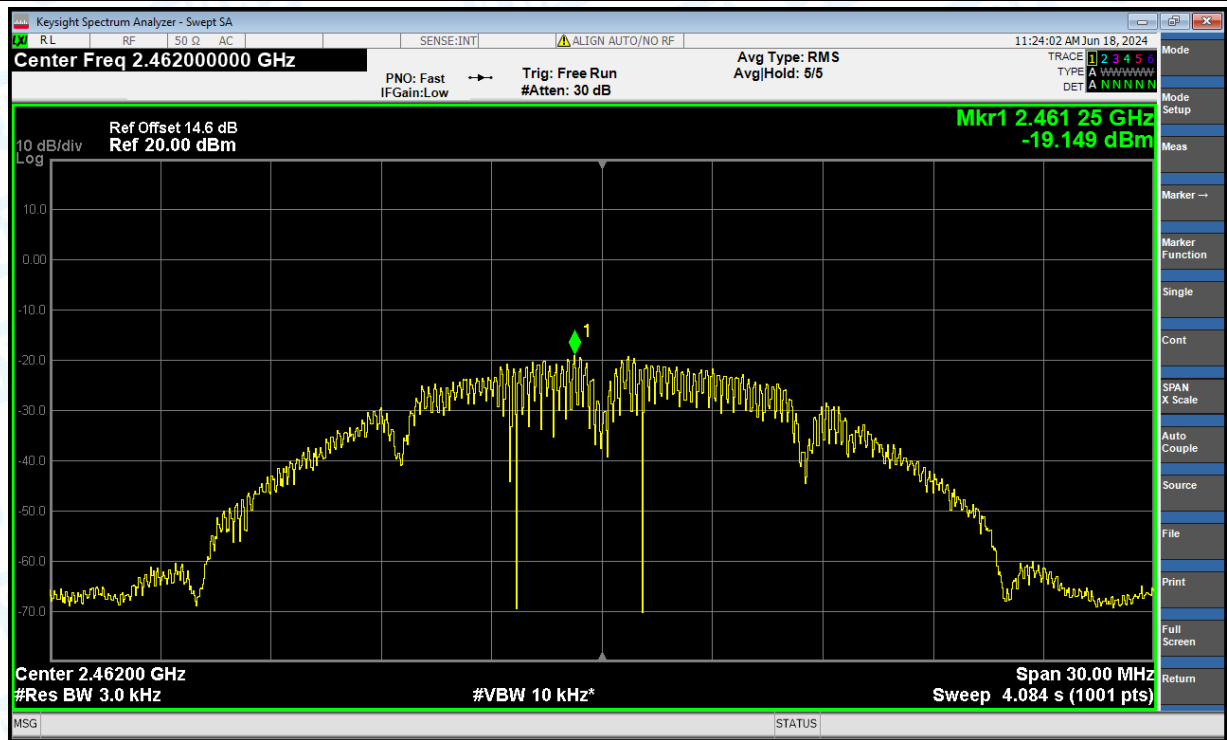
PSD NVNT b 2412MHz Ant1



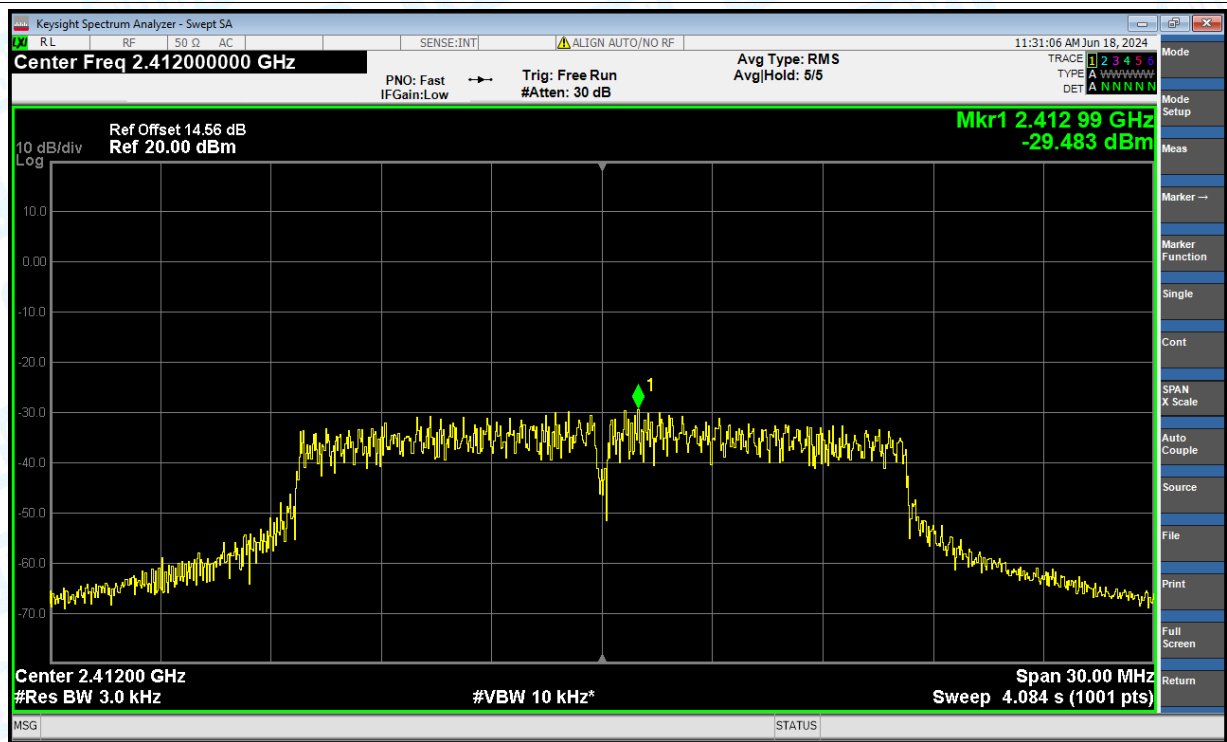
PSD NVNT b 2437MHz Ant1



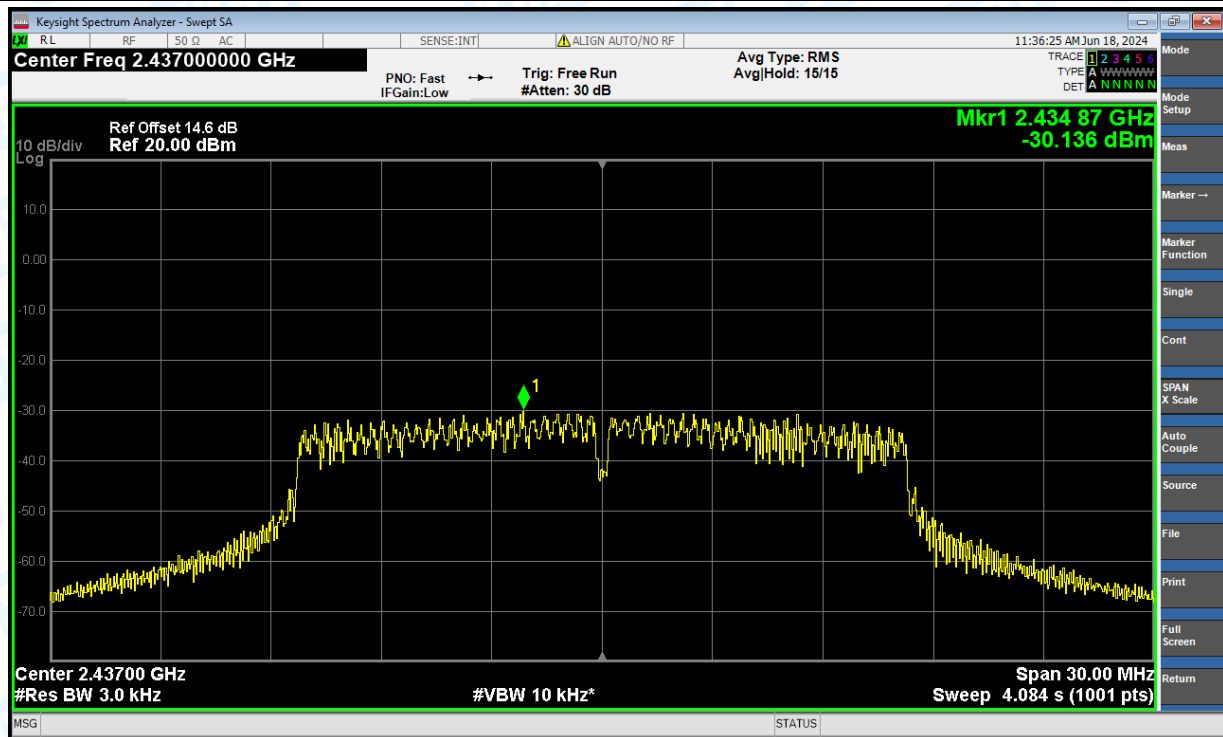
PSD NVNT b 2462MHz Ant1



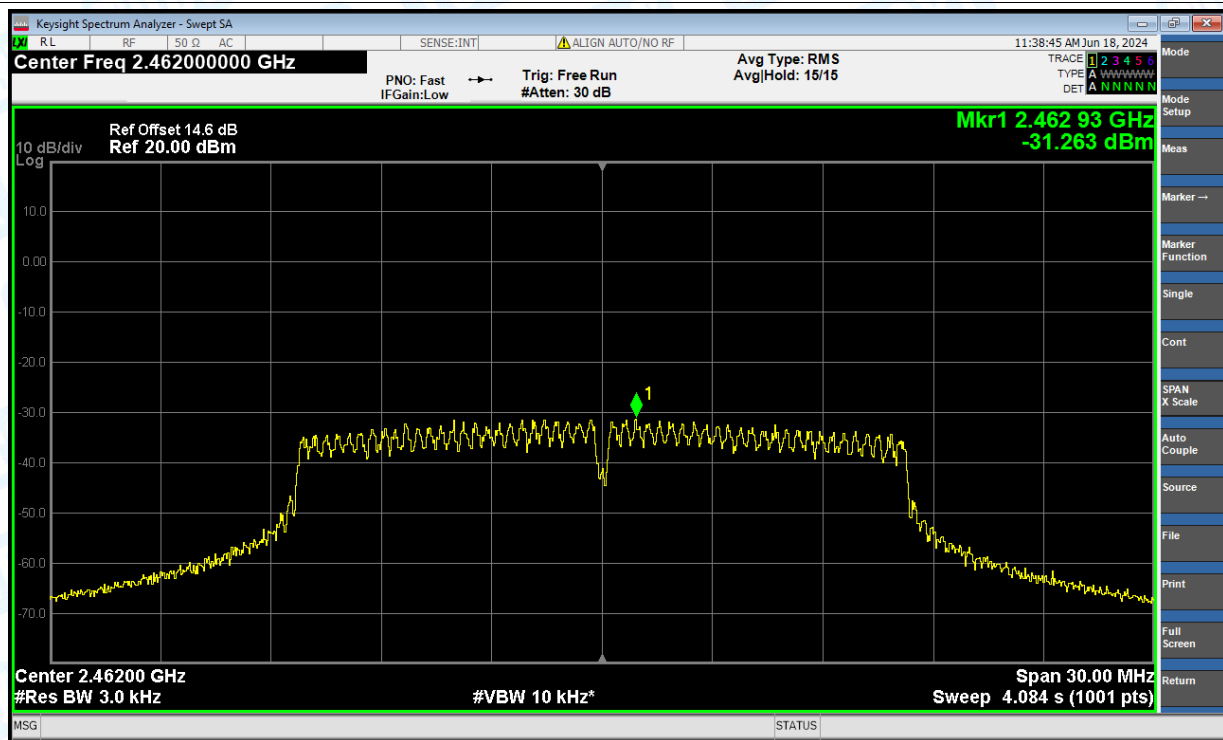
PSD NVNT g 2412MHz Ant1



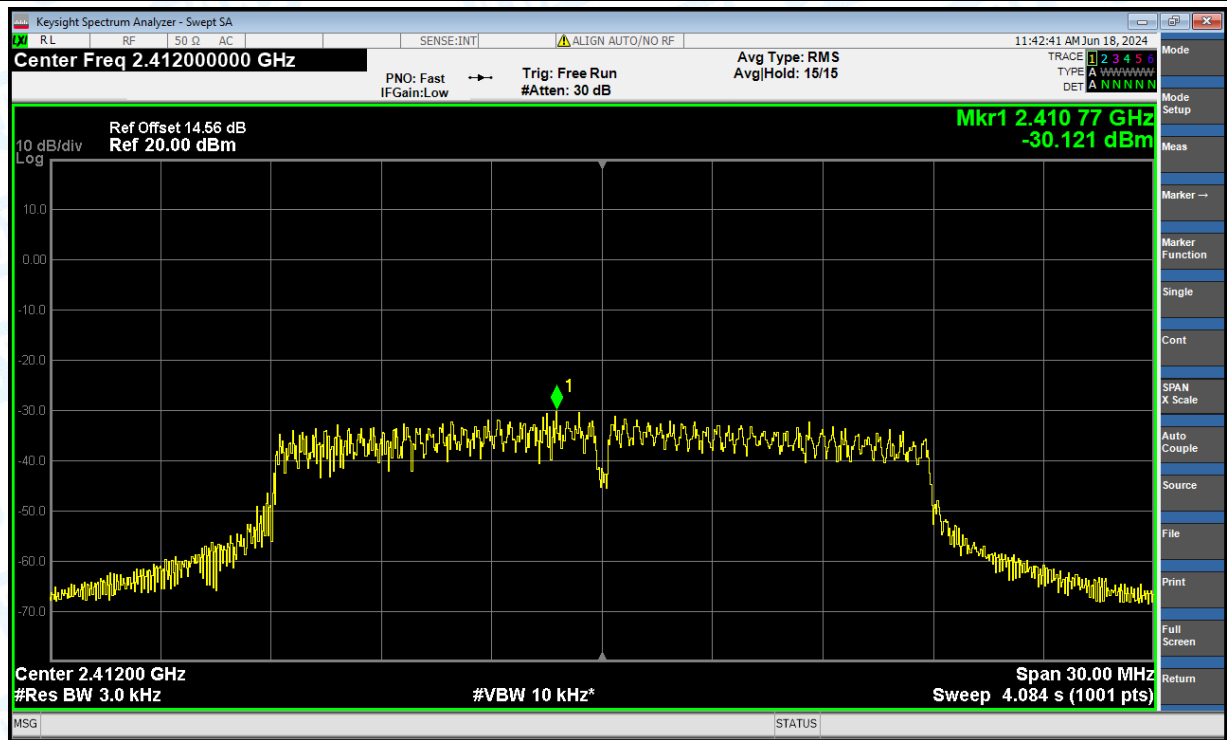
PSD NVNT g 2437MHz Ant1



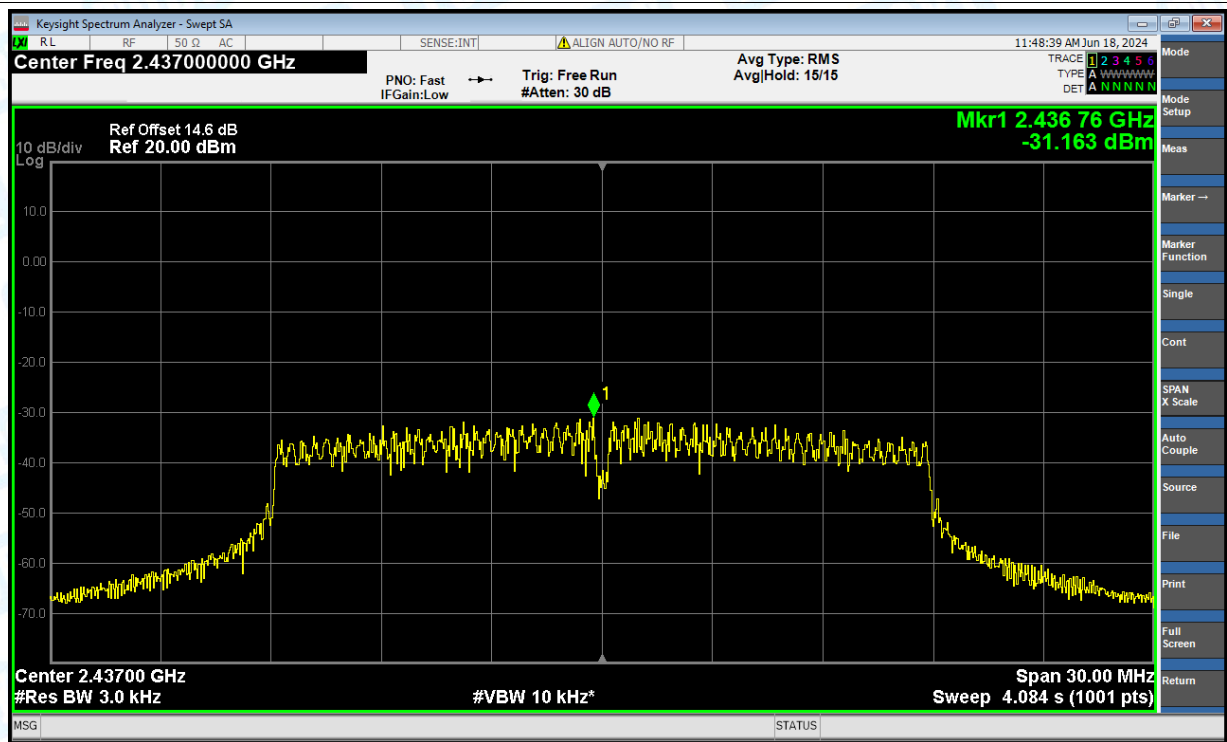
PSD NVNT g 2462MHz Ant1



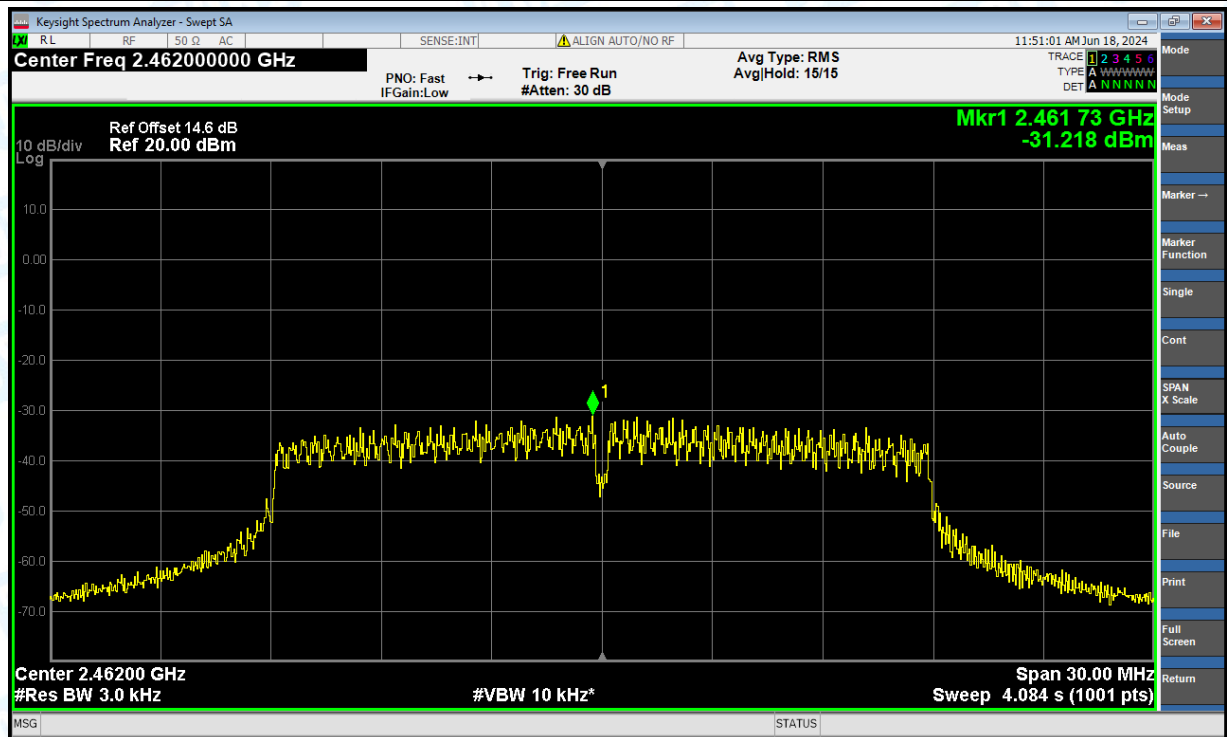
PSD NVNT n(HT20) 2412MHz Ant1



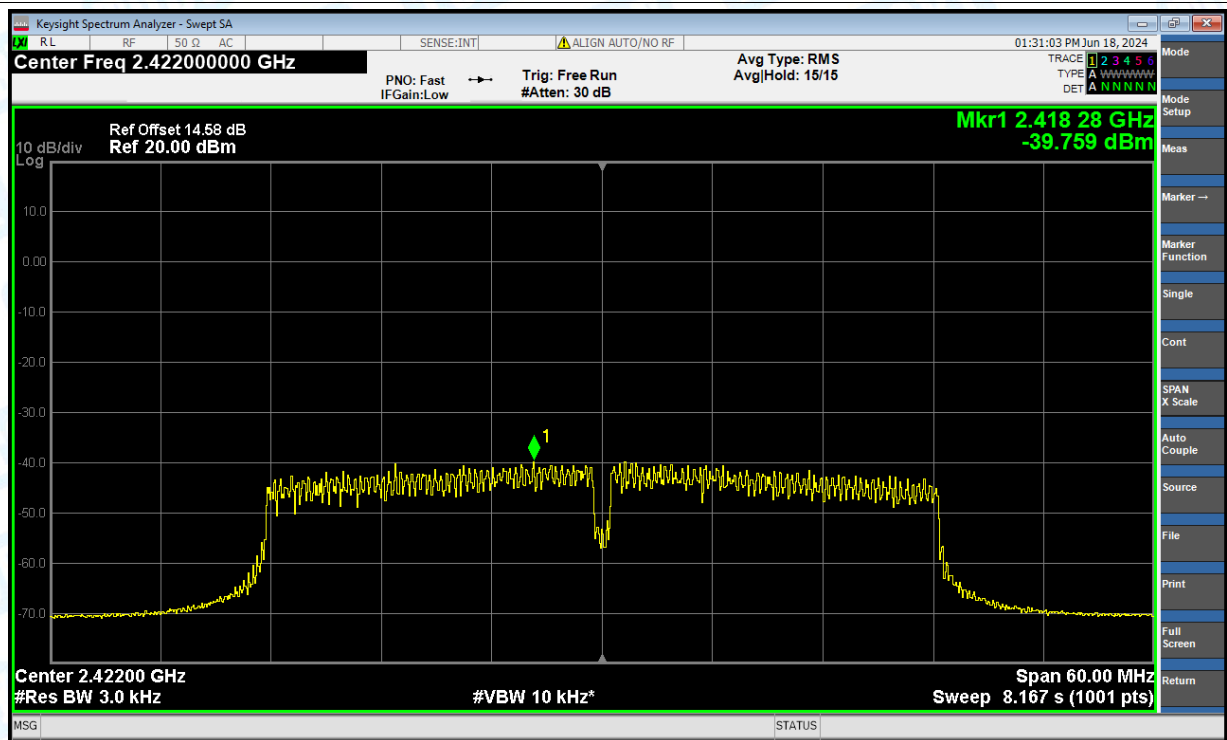
PSD NVNT n(HT20) 2437MHz Ant1



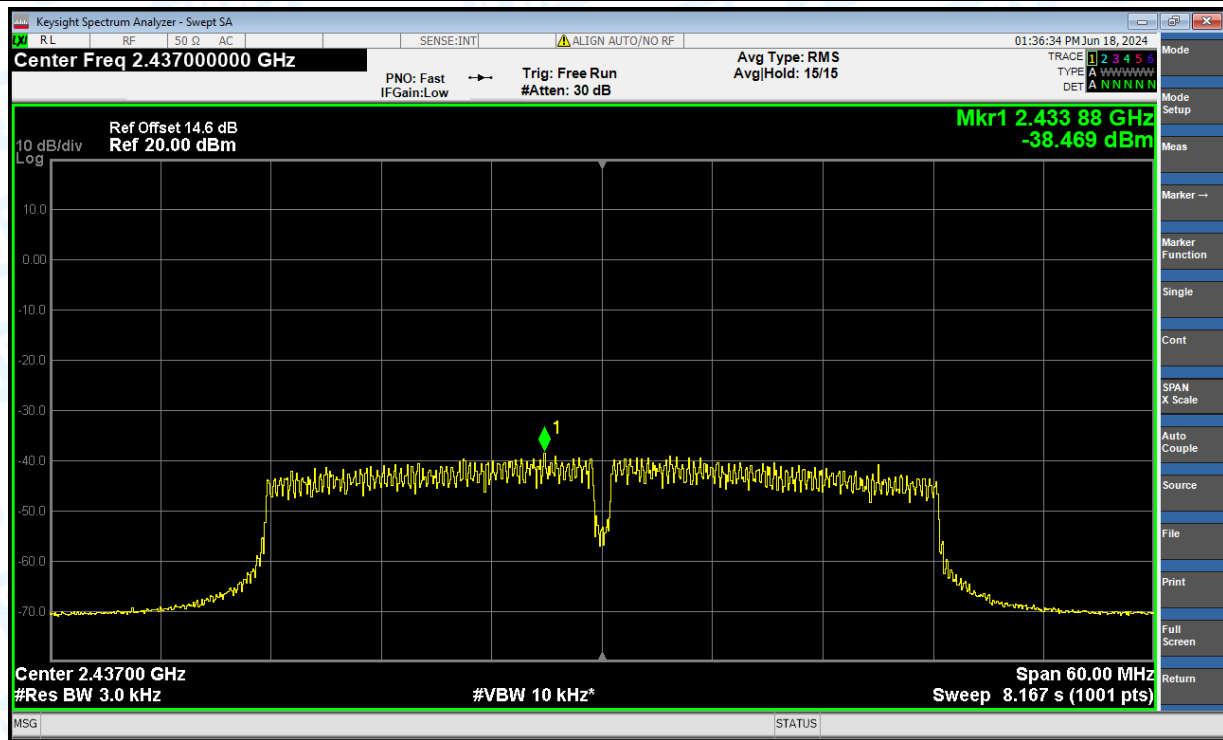
PSD NVNT n(HT20) 2462MHz Ant1



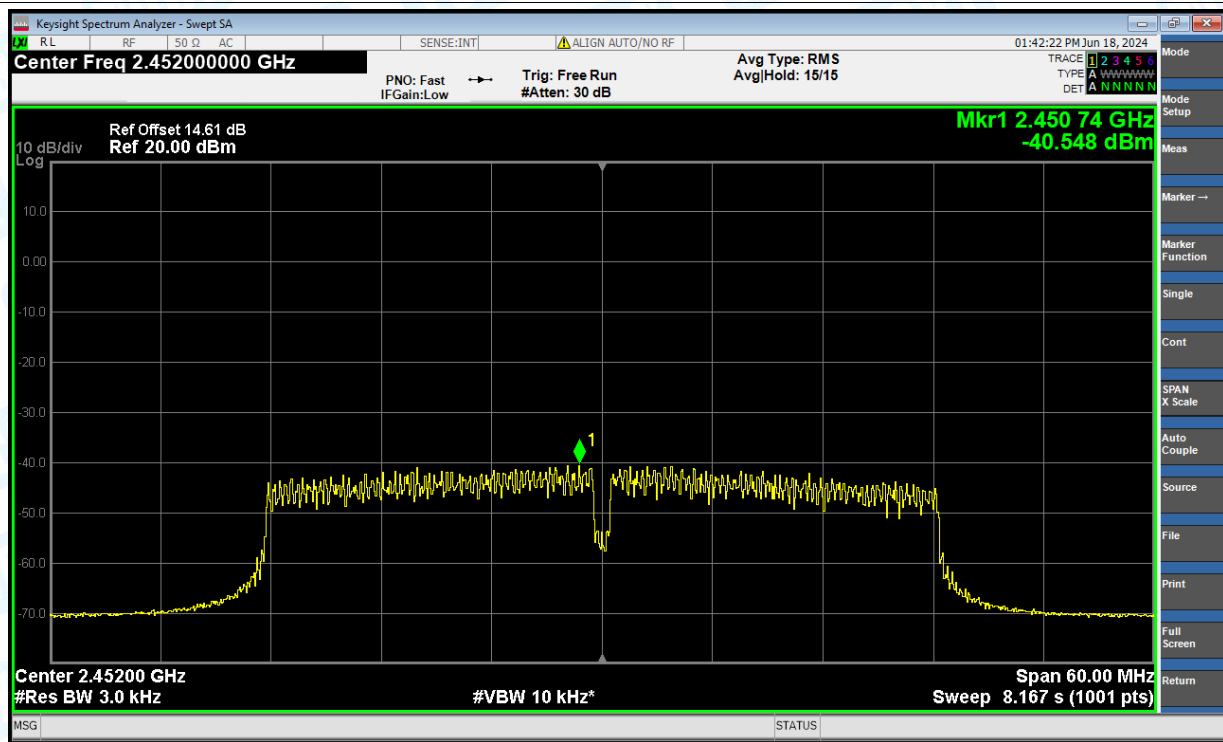
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant1



6. Band Edge

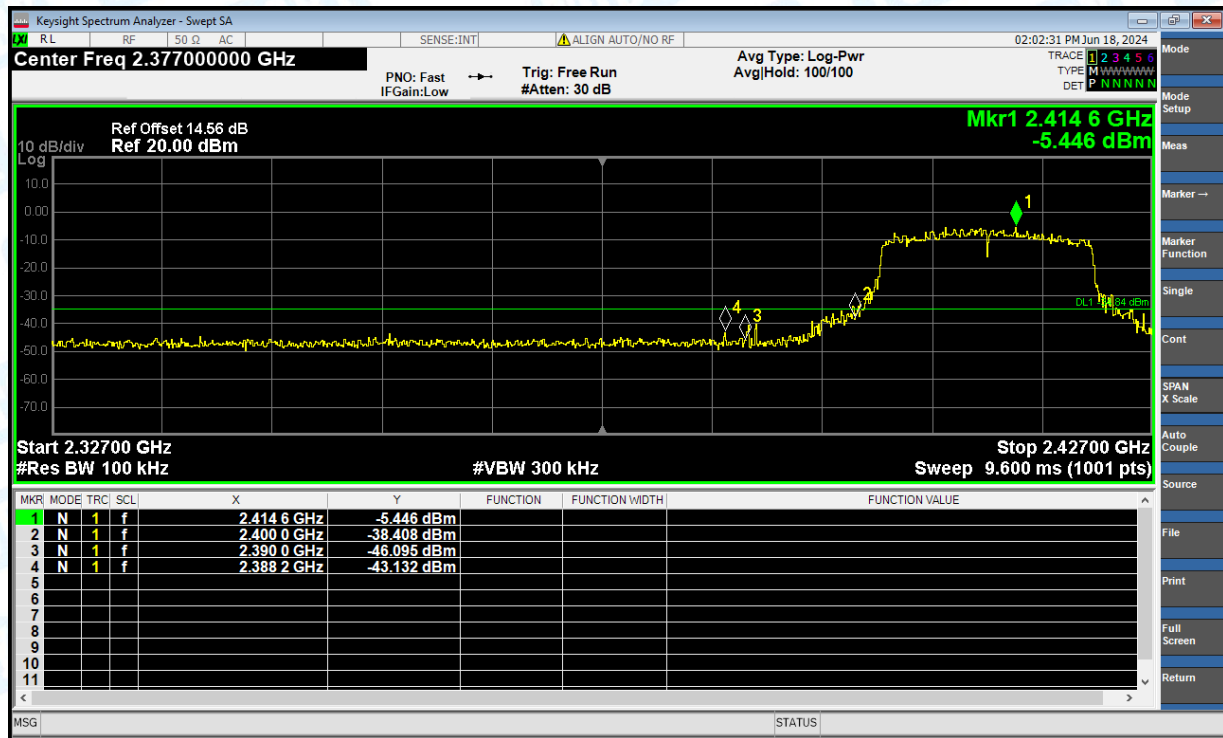
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-38.29	-30	Pass
NVNT	ax(VHT20)	2462	Ant1	-40.26	-30	Pass
NVNT	ax(VHT40)	2422	Ant1	-35.06	-30	Pass
NVNT	ax(VHT40)	2452	Ant1	-36.08	-30	Pass
NVNT	b	2412	Ant1	-49.13	-30	Pass
NVNT	b	2462	Ant1	-47.82	-30	Pass
NVNT	g	2412	Ant1	-39.69	-30	Pass
NVNT	g	2462	Ant1	-41.02	-30	Pass
NVNT	n(HT20)	2412	Ant1	-40.62	-30	Pass
NVNT	n(HT20)	2462	Ant1	-39.63	-30	Pass
NVNT	n(HT40)	2422	Ant1	-38.45	-30	Pass
NVNT	n(HT40)	2452	Ant1	-37.01	-30	Pass

Test Graphs

Band Edge NVNT ax(VHT20) 2412MHz Ant1 Ref



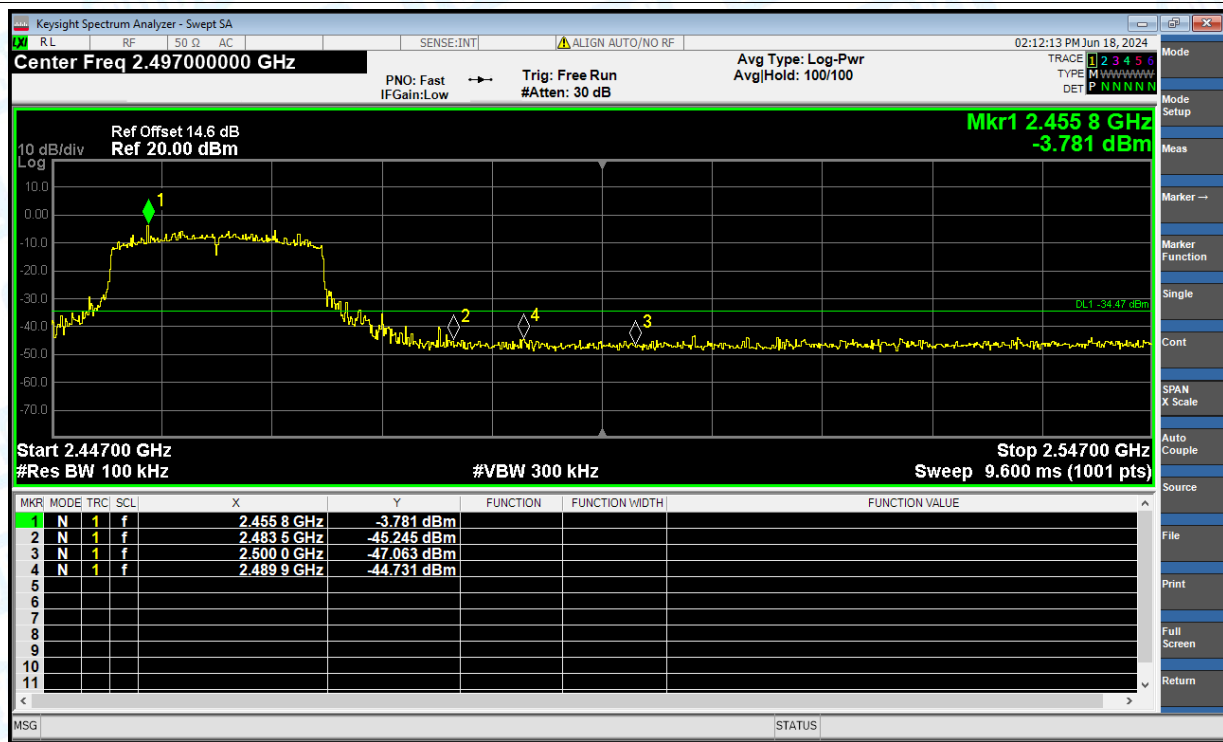
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Emission



Band Edge NVNT ax(VHT20) 2462MHz Ant1 Ref



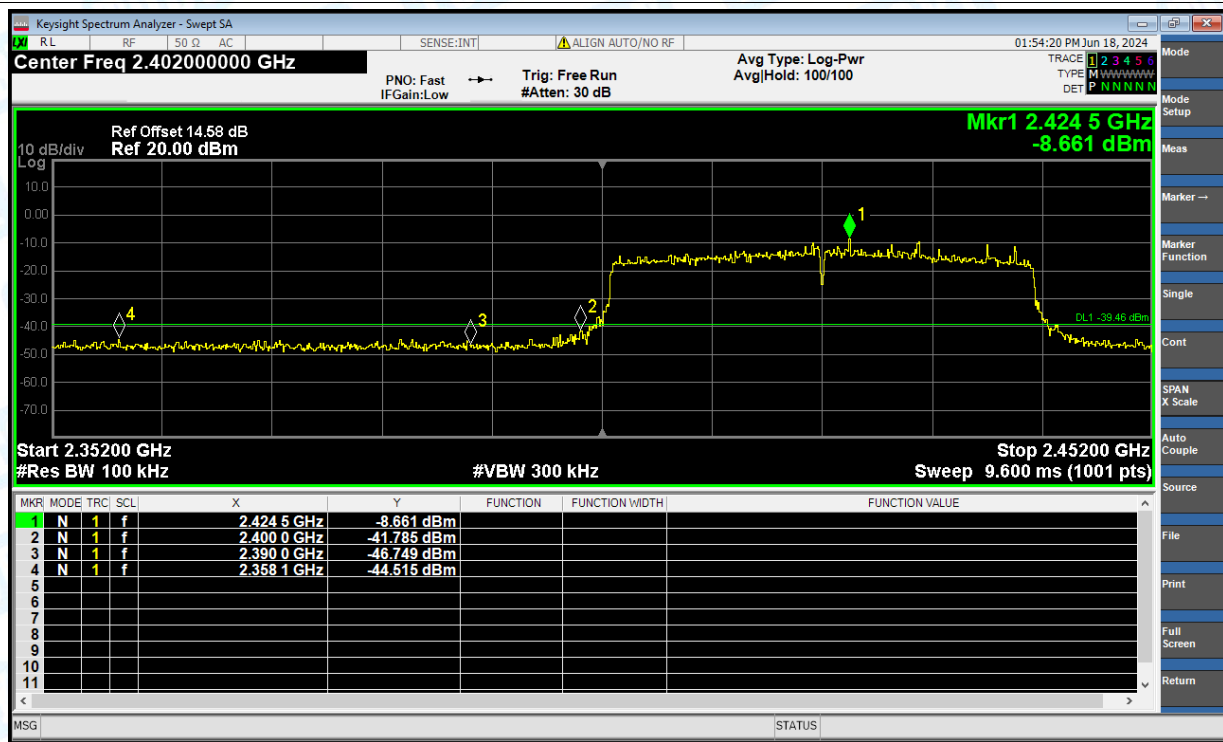
Band Edge NVNT ax(VHT20) 2462MHz Ant1 Emission



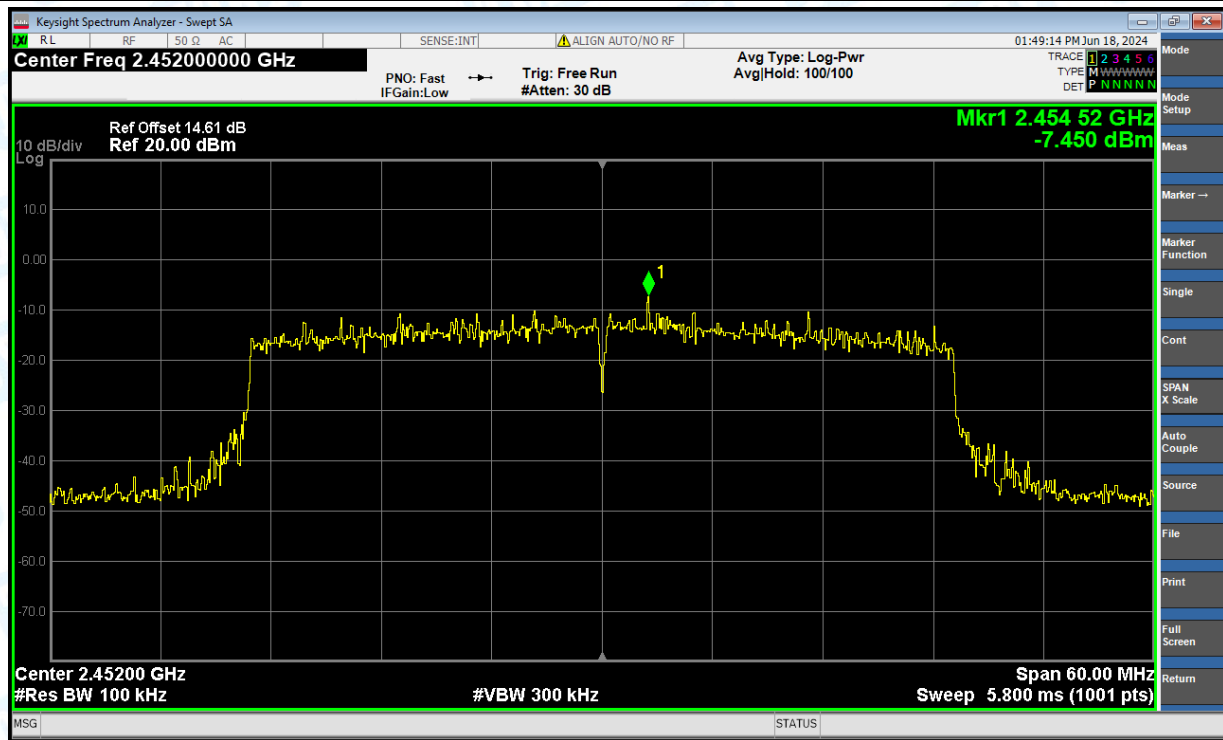
Band Edge NVNT ax(VHT40) 2422MHz Ant1 Ref



Band Edge NVNT ax(VHT40) 2422MHz Ant1 Emission



Band Edge NVNT ax(VHT40) 2452MHz Ant1 Ref



Band Edge NVNT ax(VHT40) 2452MHz Ant1 Emission

