

RF Test Data for 2.4G WiFi (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet
Test Model:	B10
Sample ID:	HC-C-202511-0314-01-01
Environmental Conditions	
Temperature:	25.6℃
Relative Humidity:	46.8%
Test Voltage:	DC 3.85V
Test Engineer:	Lily zhang
Note: For a more detailed features description, please refer to the report TBR-C-202511-0314-191 The report only show the worst case data.	

Contents

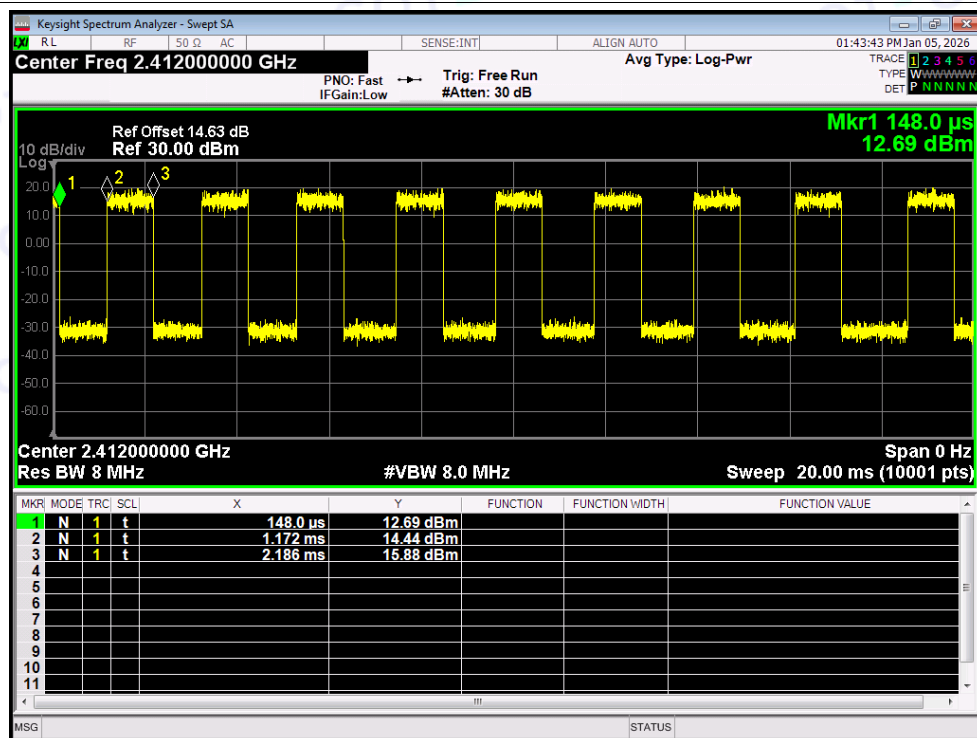
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1. Duty Cycle

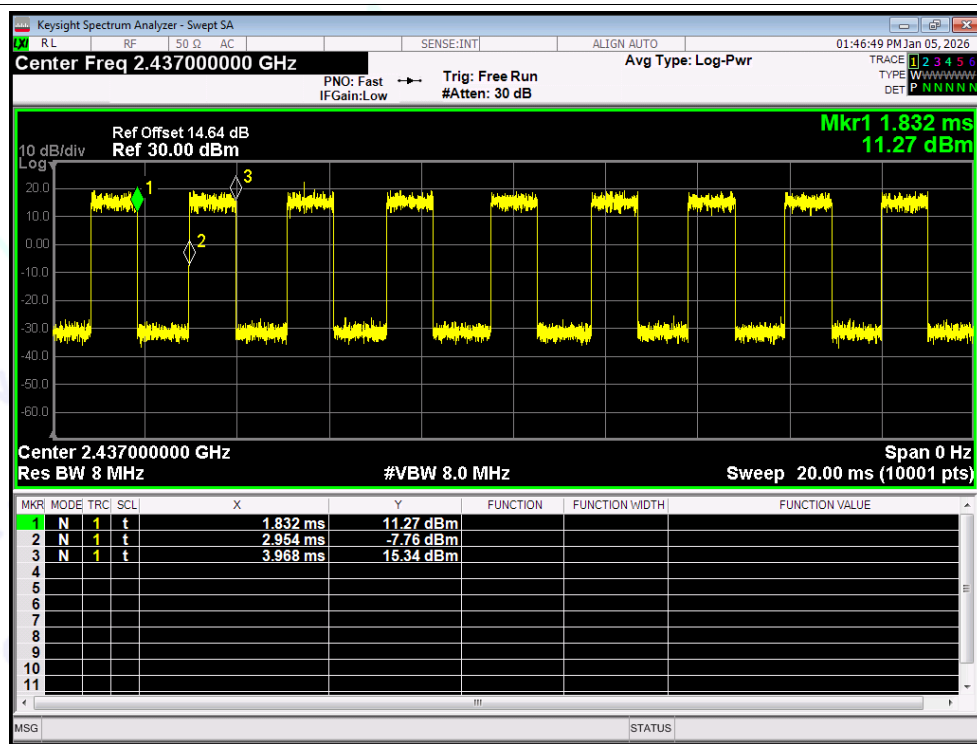
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax(VHT20)	2412	Ant1	49.75	3.03	0.99
NVNT	ax(VHT20)	2437	Ant1	47.47	3.24	0.99
NVNT	ax(VHT20)	2462	Ant1	46.09	3.36	0.99
NVNT	ax(VHT40)	2422	Ant1	32.21	4.92	1.87
NVNT	ax(VHT40)	2437	Ant1	32.05	4.94	1.87
NVNT	ax(VHT40)	2452	Ant1	32.21	4.92	1.87
NVNT	b	2412	Ant1	88.18	0.55	0.12
NVNT	b	2437	Ant1	88.66	0.52	0.12
NVNT	b	2462	Ant1	87.85	0.56	0.12
NVNT	g	2412	Ant1	53.79	2.69	0.72
NVNT	g	2437	Ant1	46.52	3.32	0.72
NVNT	g	2462	Ant1	54.93	2.6	0.72
NVNT	n(HT20)	2412	Ant1	54.21	2.66	0.77
NVNT	n(HT20)	2437	Ant1	52.29	2.82	0.77
NVNT	n(HT20)	2462	Ant1	54.07	2.67	0.77
NVNT	n(HT40)	2422	Ant1	37.35	4.28	1.55
NVNT	n(HT40)	2437	Ant1	37.57	4.25	1.55
NVNT	n(HT40)	2452	Ant1	37.18	4.3	1.55

Test Graphs

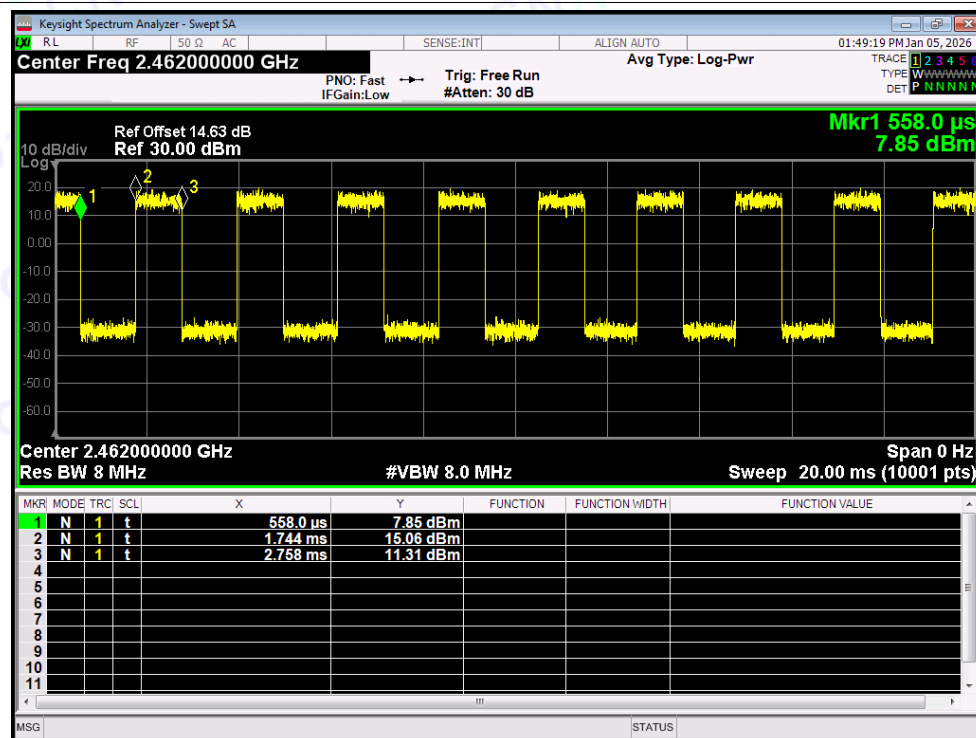
Duty Cycle NVNT ax(VHT20) 2412MHz Ant1



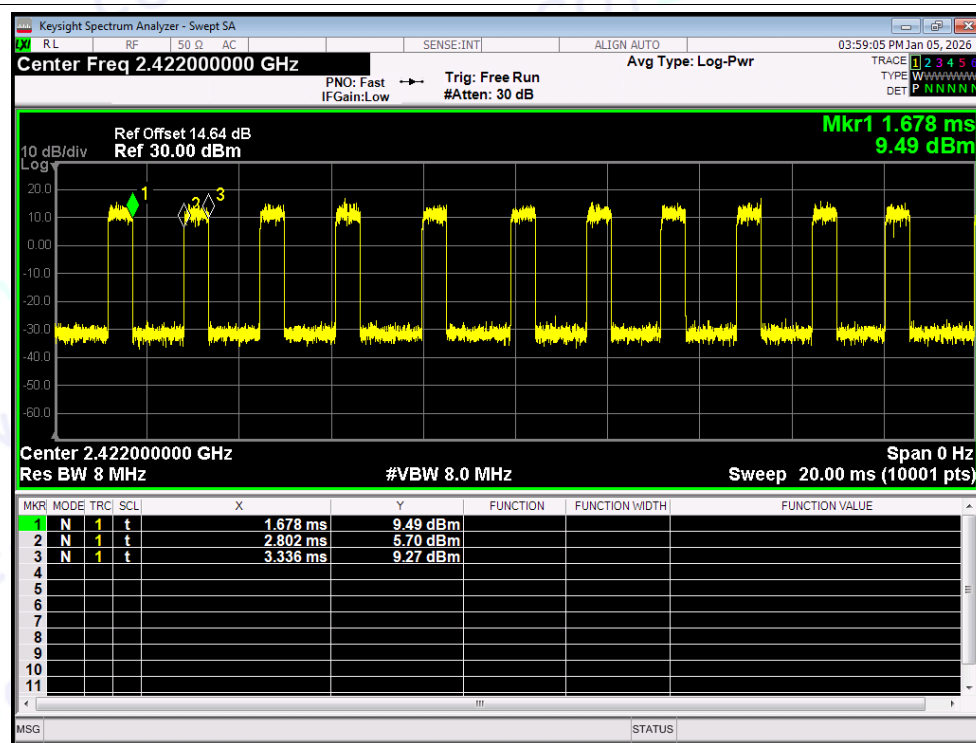
Duty Cycle NVNT ax(VHT20) 2437MHz Ant1



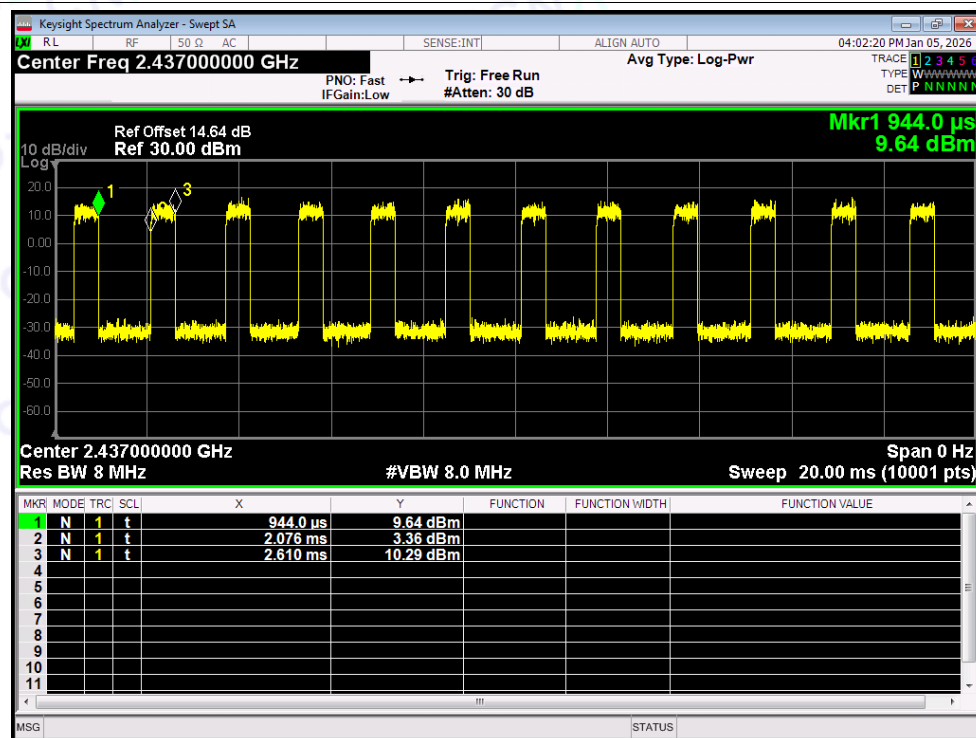
Duty Cycle NVNT ax(VHT20) 2462MHz Ant1



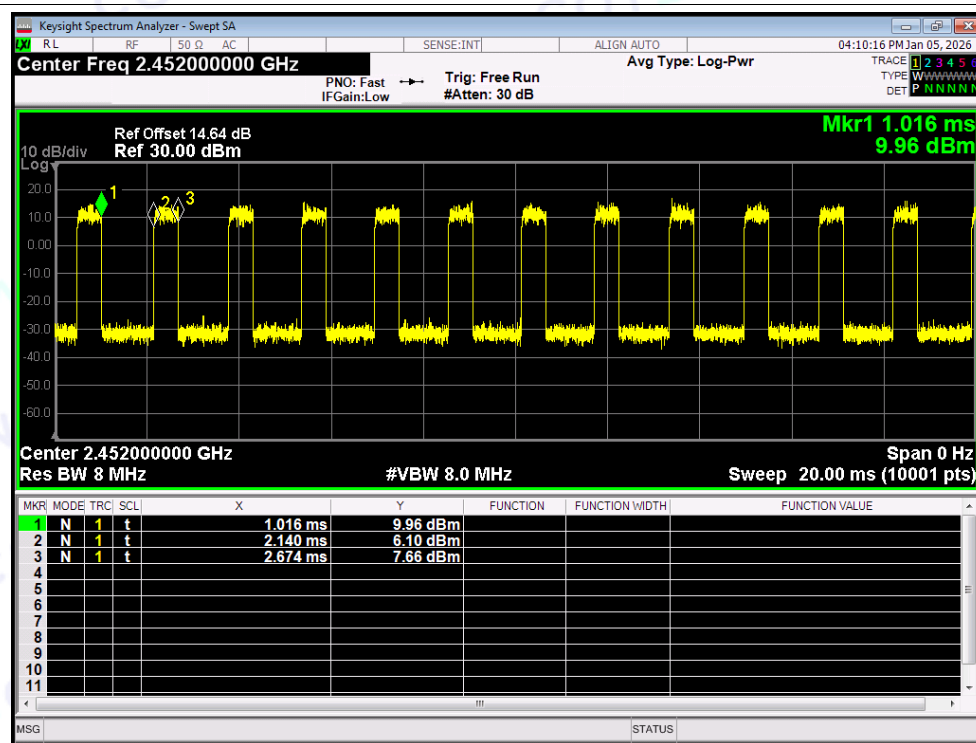
Duty Cycle NVNT ax(VHT40) 2422MHz Ant1



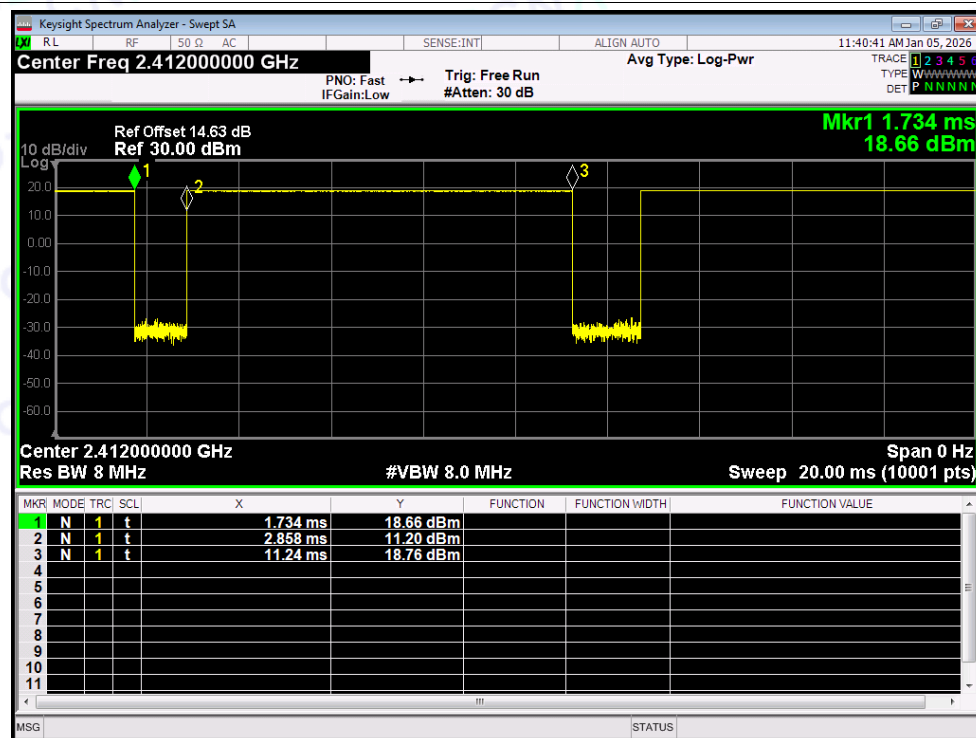
Duty Cycle NVNT ax(VHT40) 2437MHz Ant1



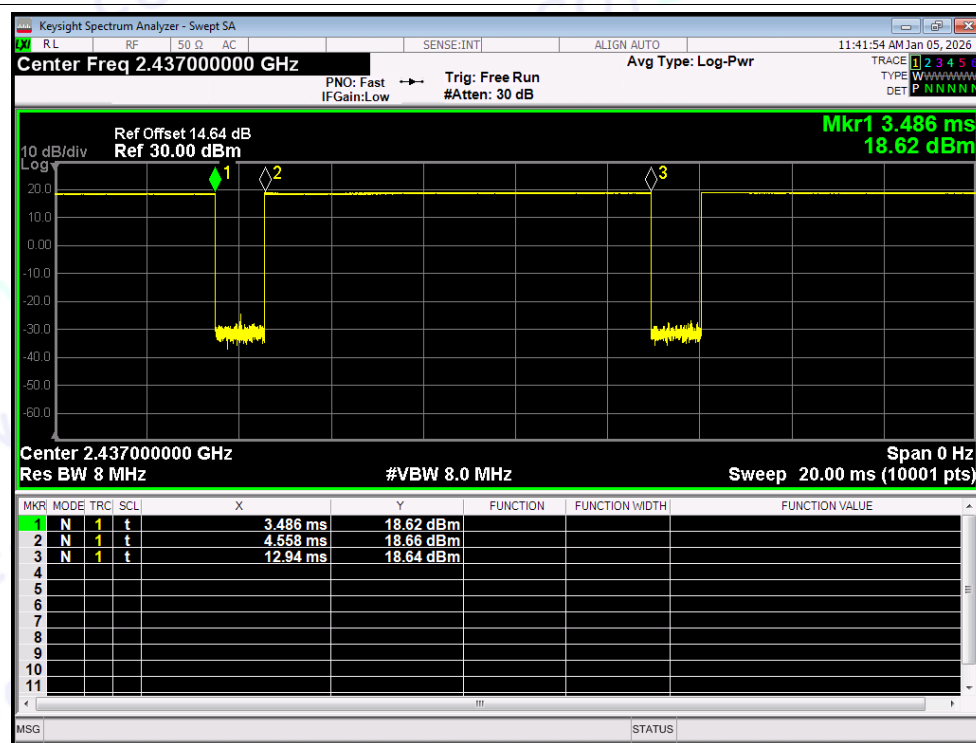
Duty Cycle NVNT ax(VHT40) 2452MHz Ant1



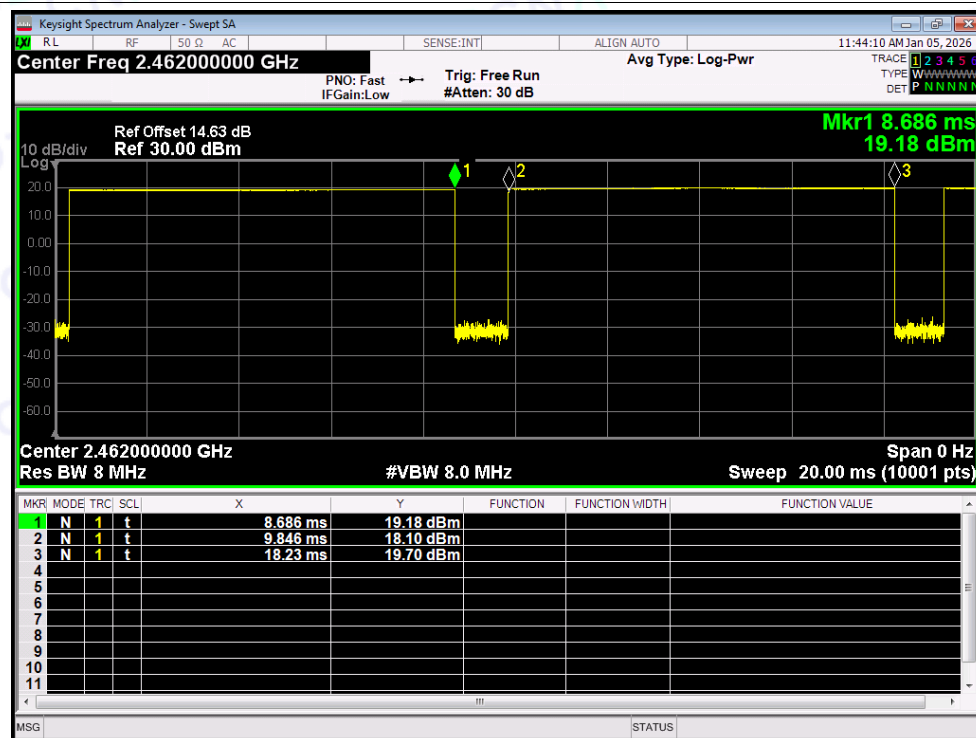
Duty Cycle NVNT b 2412MHz Ant1



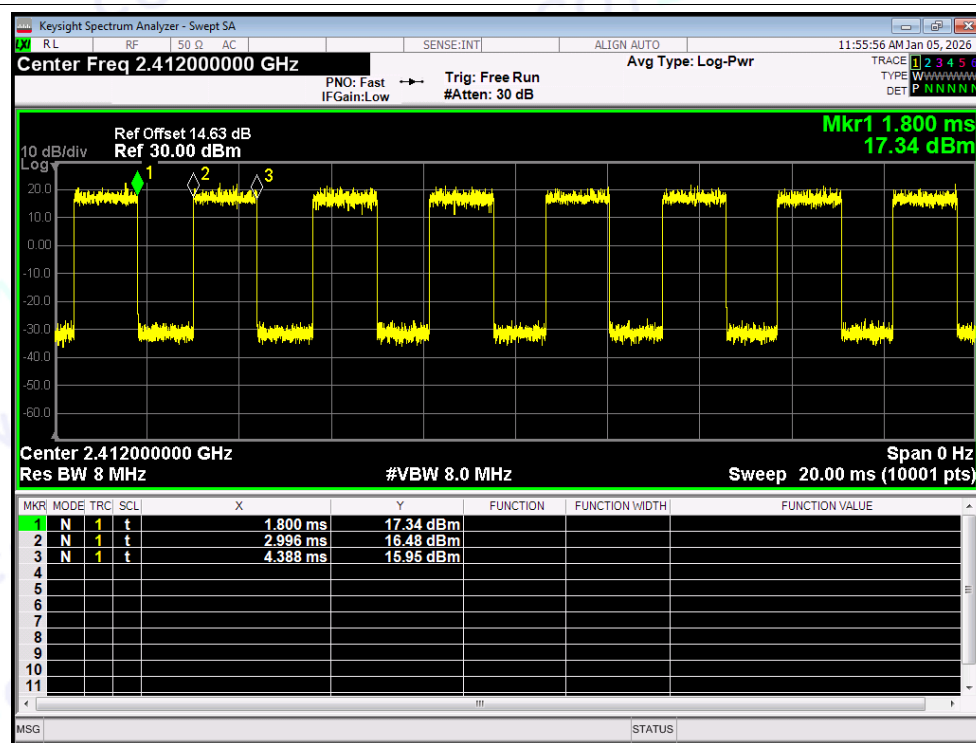
Duty Cycle NVNT b 2437MHz Ant1



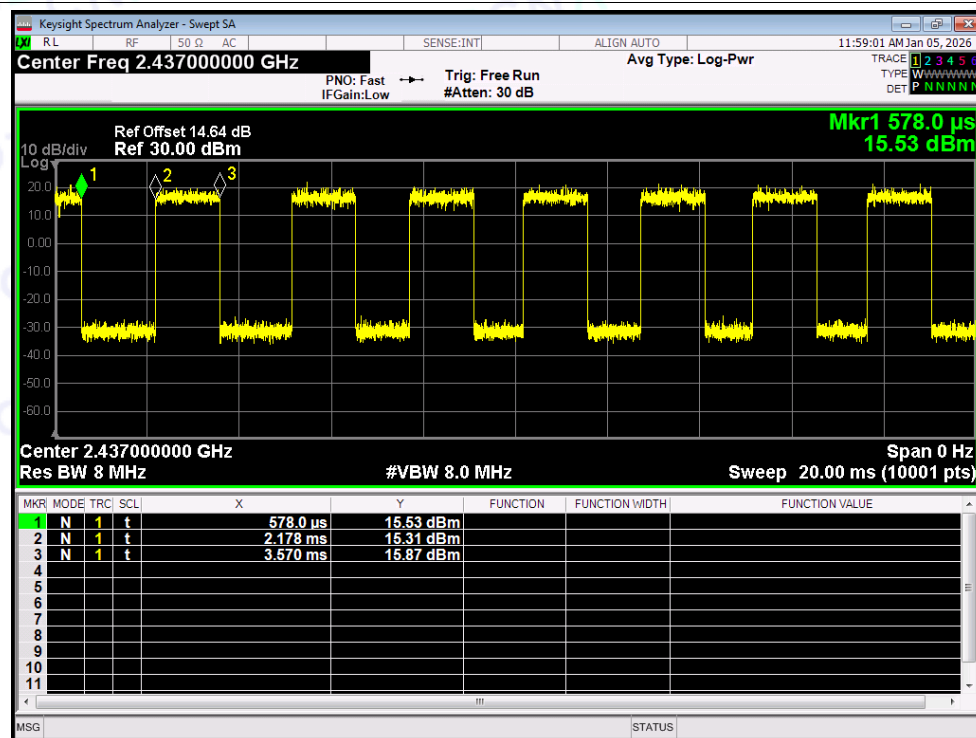
Duty Cycle NVNT b 2462MHz Ant1



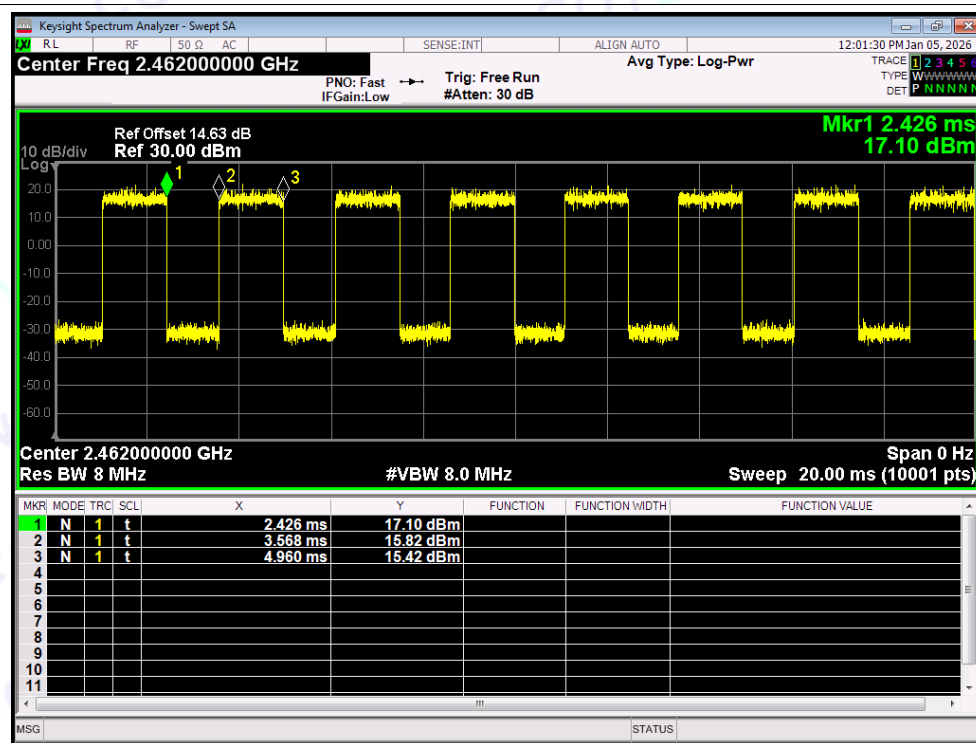
Duty Cycle NVNT g 2412MHz Ant1



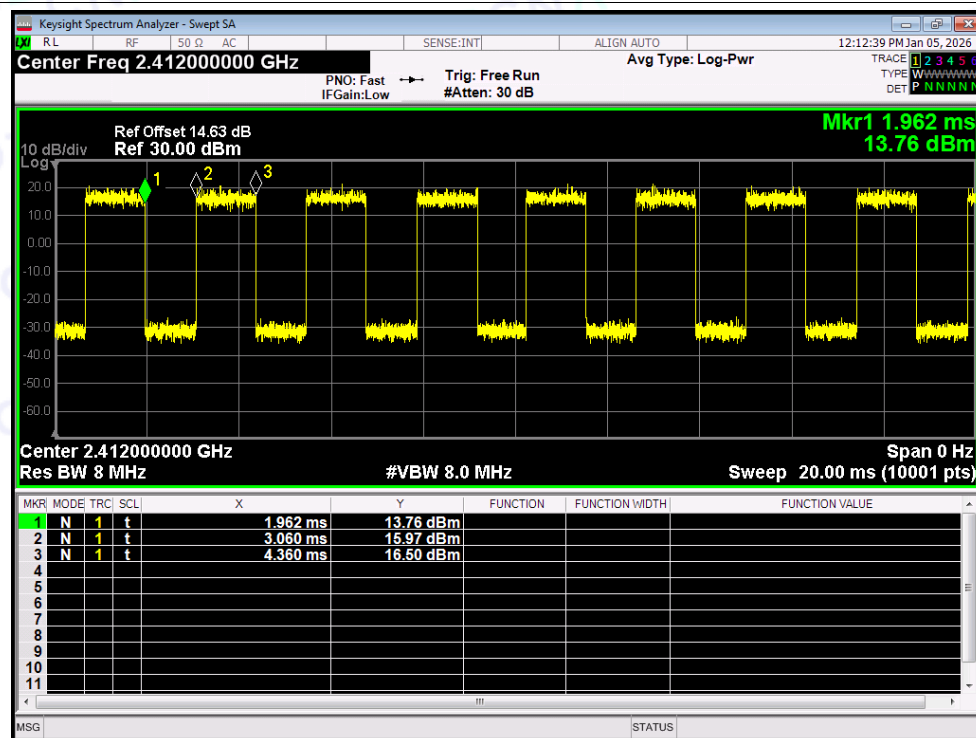
Duty Cycle NVNT g 2437MHz Ant1



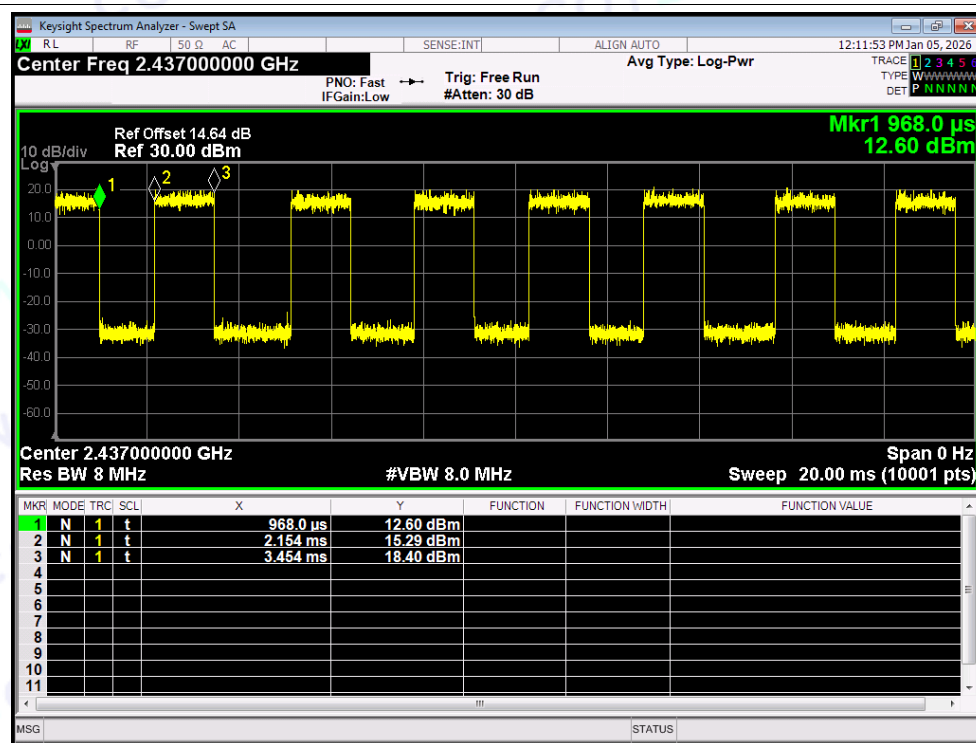
Duty Cycle NVNT g 2462MHz Ant1



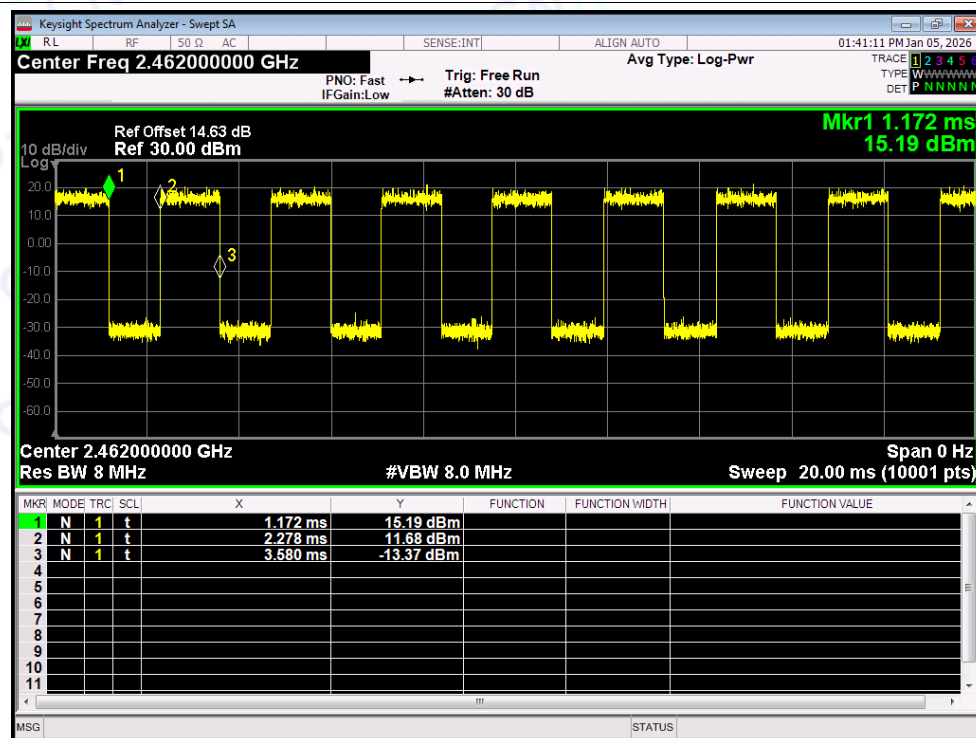
Duty Cycle NVNT n(HT20) 2412MHz Ant1



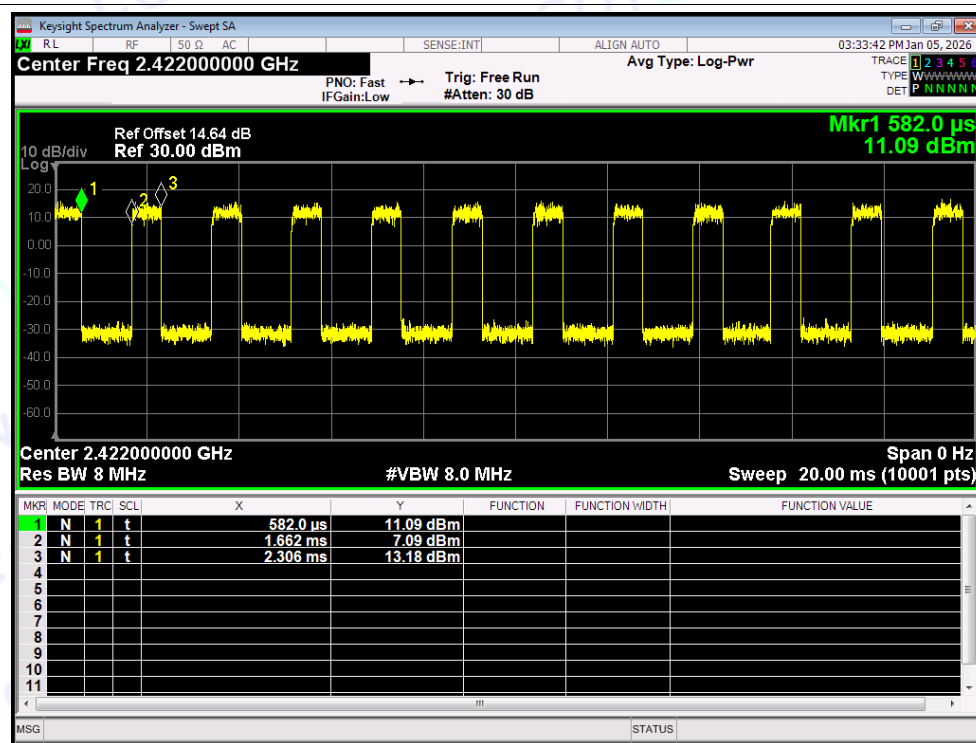
Duty Cycle NVNT n(HT20) 2437MHz Ant1



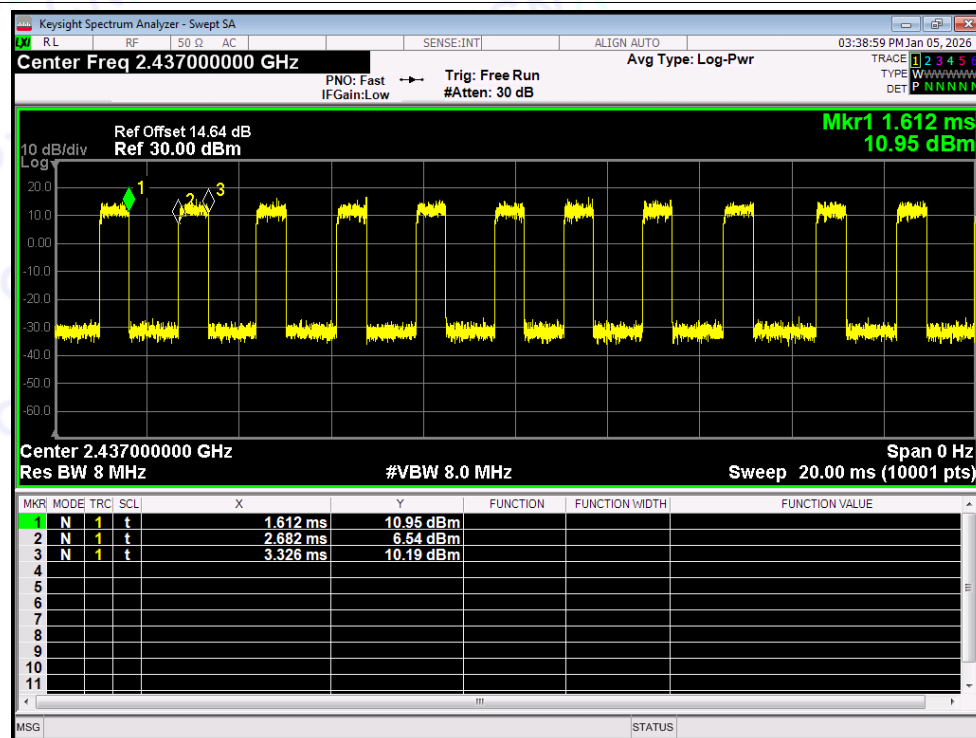
Duty Cycle NVNT n(HT20) 2462MHz Ant1



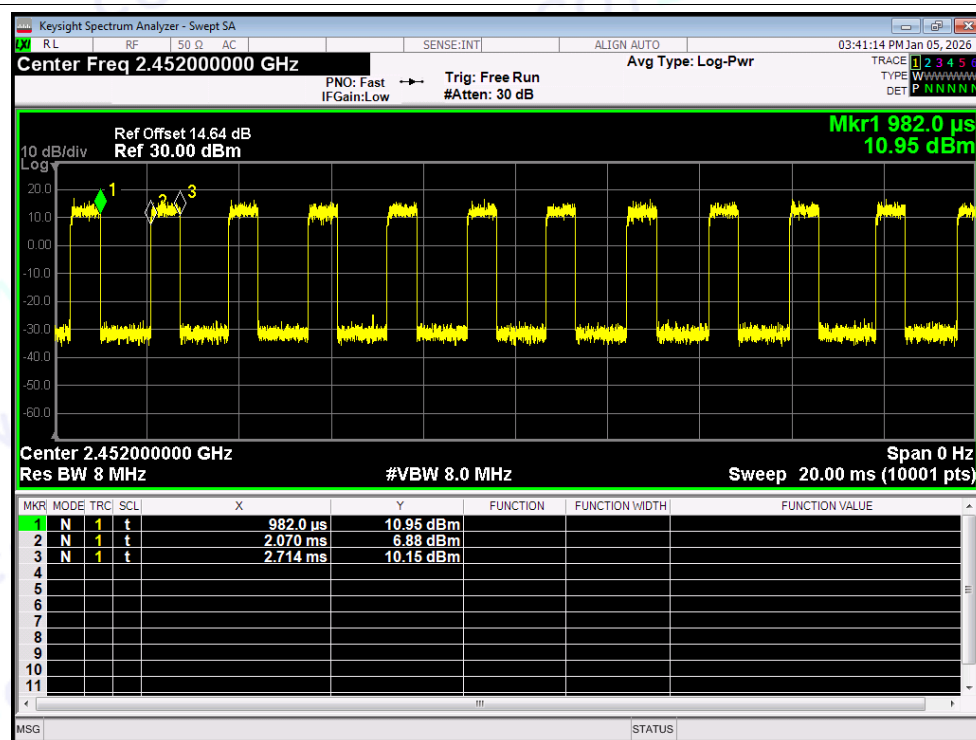
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



2. Maximum Conducted Output Power

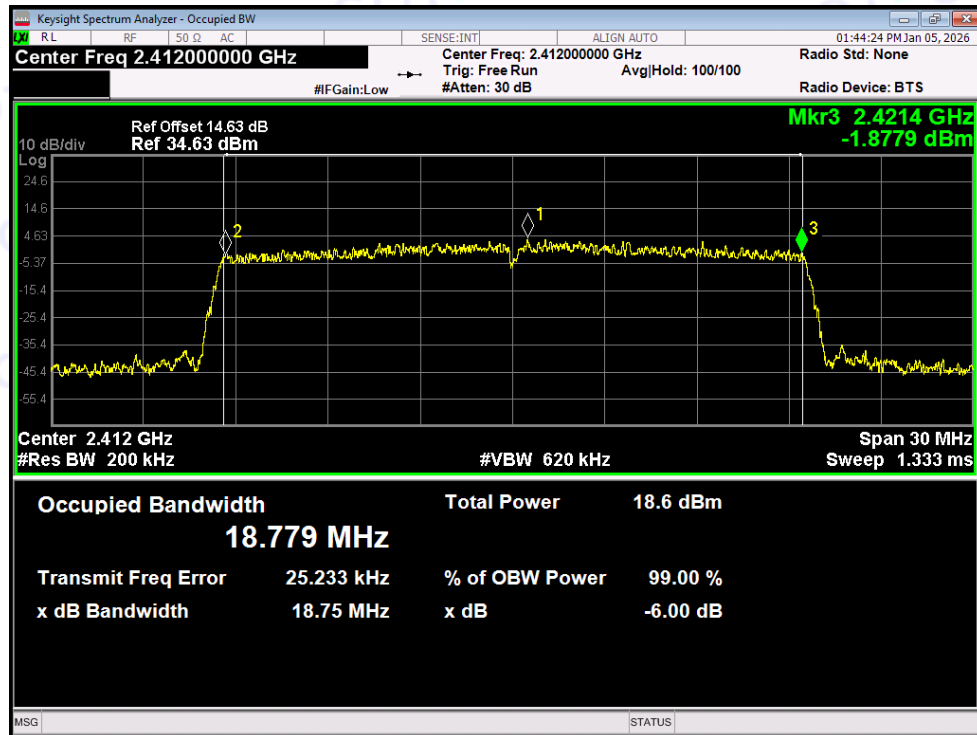
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	8.62	3.38	12	30	Pass
NVNT	ax(VHT20)	2437	Ant1	8.4	3.17	11.57	30	Pass
NVNT	ax(VHT20)	2462	Ant1	8.62	3.21	11.83	30	Pass
NVNT	ax(VHT40)	2422	Ant1	8.46	5.13	13.59	30	Pass
NVNT	ax(VHT40)	2437	Ant1	8.61	4.97	13.58	30	Pass
NVNT	ax(VHT40)	2452	Ant1	8.94	5.13	14.07	30	Pass
NVNT	b	2412	Ant1	9.56	0.58	10.14	30	Pass
NVNT	b	2437	Ant1	9.24	0.51	9.75	30	Pass
NVNT	b	2462	Ant1	9.55	0.55	10.1	30	Pass
NVNT	g	2412	Ant1	8.59	3	11.59	30	Pass
NVNT	g	2437	Ant1	8.29	2.87	11.16	30	Pass
NVNT	g	2462	Ant1	8.55	2.75	11.3	30	Pass
NVNT	n(HT20)	2412	Ant1	8.5	2.67	11.17	30	Pass
NVNT	n(HT20)	2437	Ant1	8.19	2.66	10.85	30	Pass
NVNT	n(HT20)	2462	Ant1	8.38	2.66	11.04	30	Pass
NVNT	n(HT40)	2422	Ant1	8.2	4.42	12.62	30	Pass
NVNT	n(HT40)	2437	Ant1	8.38	4.37	12.75	30	Pass
NVNT	n(HT40)	2452	Ant1	8.71	4.16	12.87	30	Pass

3. -6dB Bandwidth

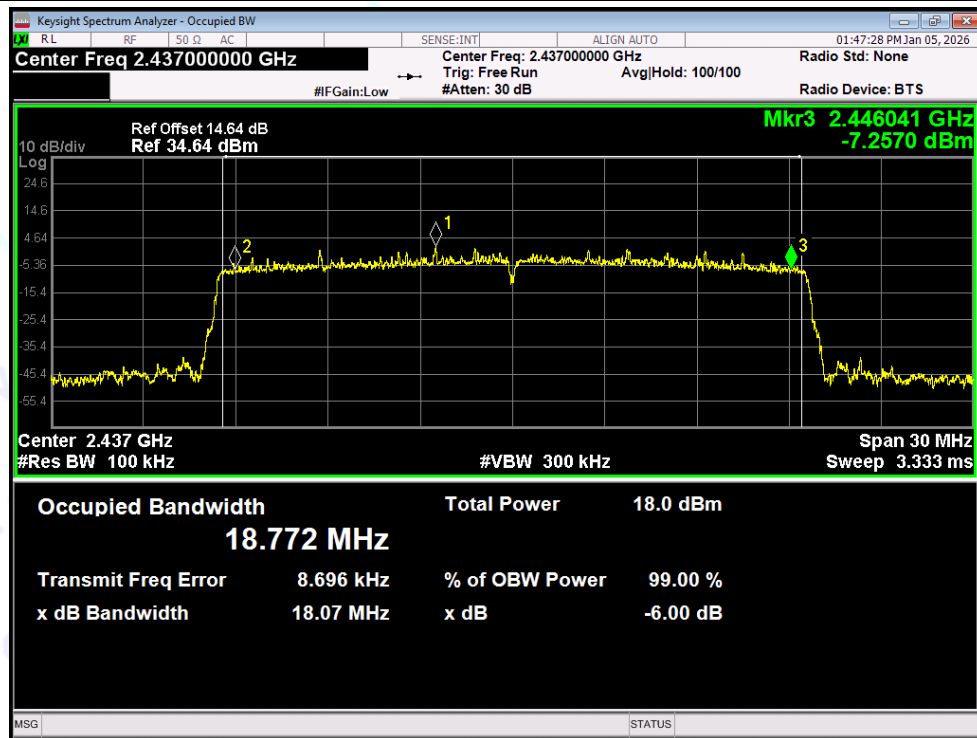
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax(VHT20)	2412	Ant1	18.75	0.5	Pass
NVNT	ax(VHT20)	2437	Ant1	18.07	0.5	Pass
NVNT	ax(VHT40)	2422	Ant1	36.37	0.5	Pass
NVNT	ax(VHT40)	2437	Ant1	36.79	0.5	Pass
NVNT	ax(VHT40)	2452	Ant1	37.56	0.5	Pass
NVNT	b	2412	Ant1	8.11	0.5	Pass
NVNT	b	2437	Ant1	8.12	0.5	Pass
NVNT	b	2462	Ant1	8.11	0.5	Pass
NVNT	g	2412	Ant1	15.25	0.5	Pass
NVNT	g	2437	Ant1	15.95	0.5	Pass
NVNT	g	2462	Ant1	15.95	0.5	Pass
NVNT	n(HT20)	2412	Ant1	15.86	0.5	Pass
NVNT	n(HT20)	2437	Ant1	15.92	0.5	Pass
NVNT	n(HT20)	2462	Ant1	16.46	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.22	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.4	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.46	0.5	Pass

Test Graphs

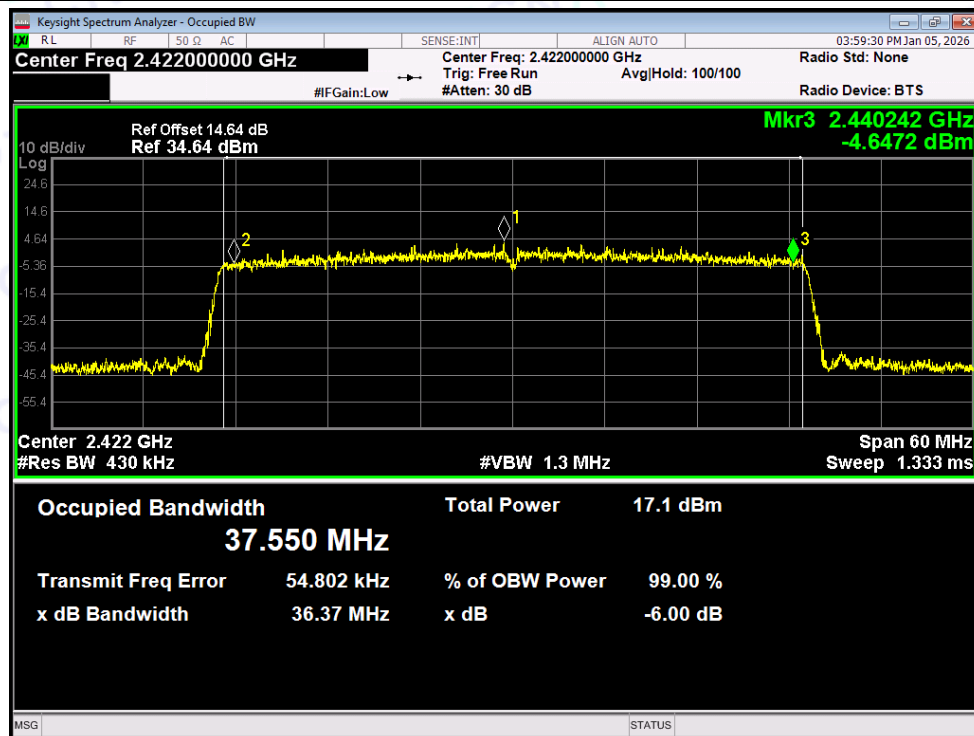
-6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



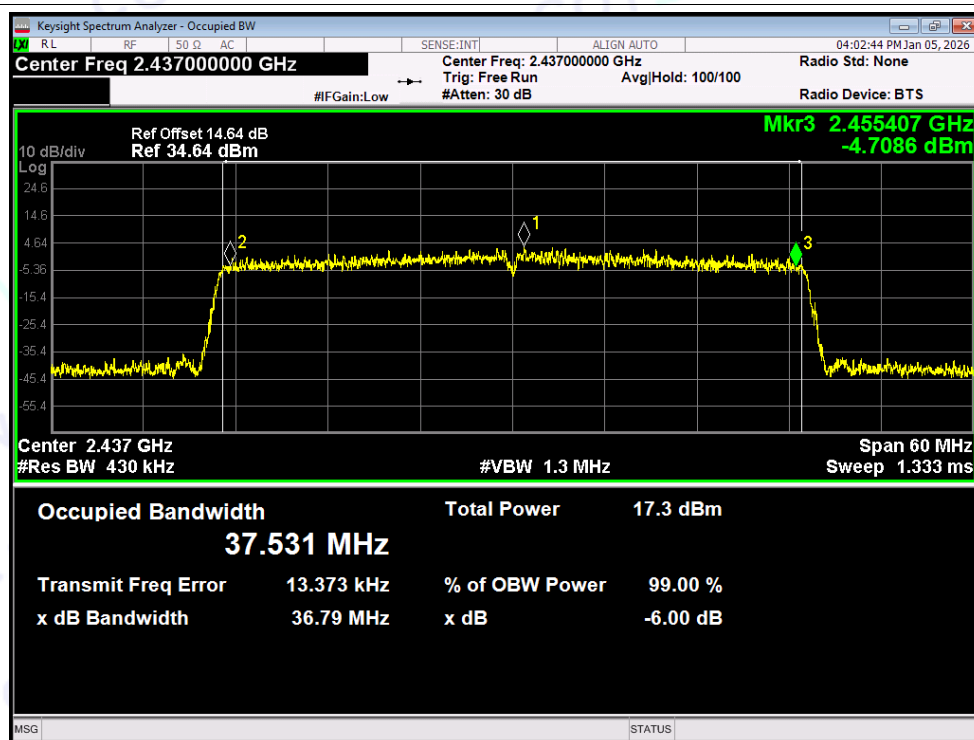
-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



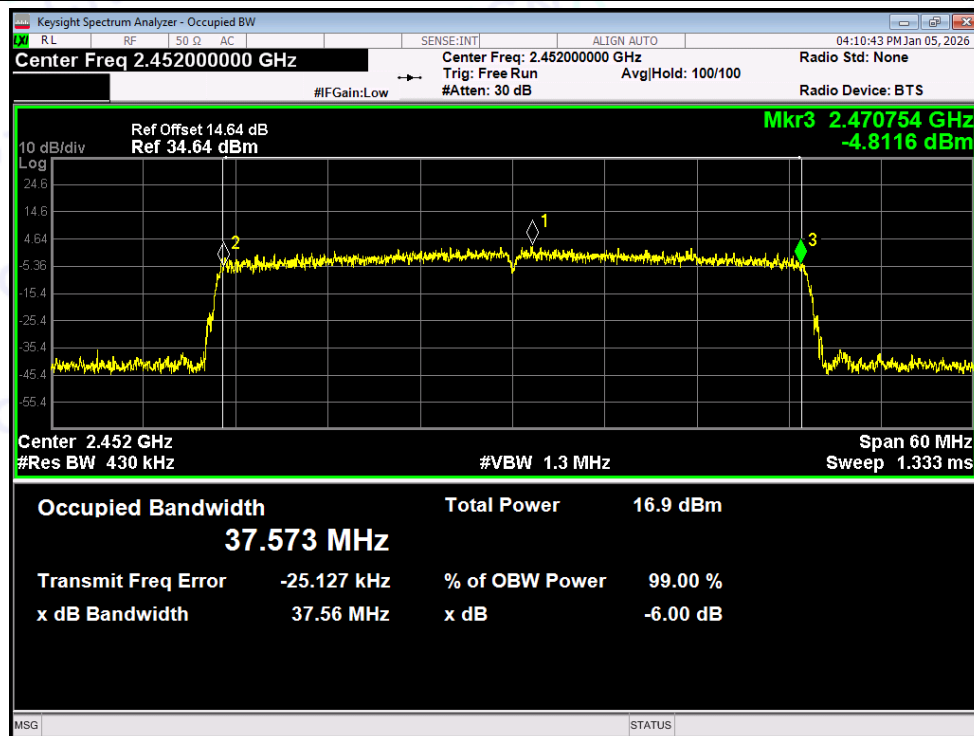
-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



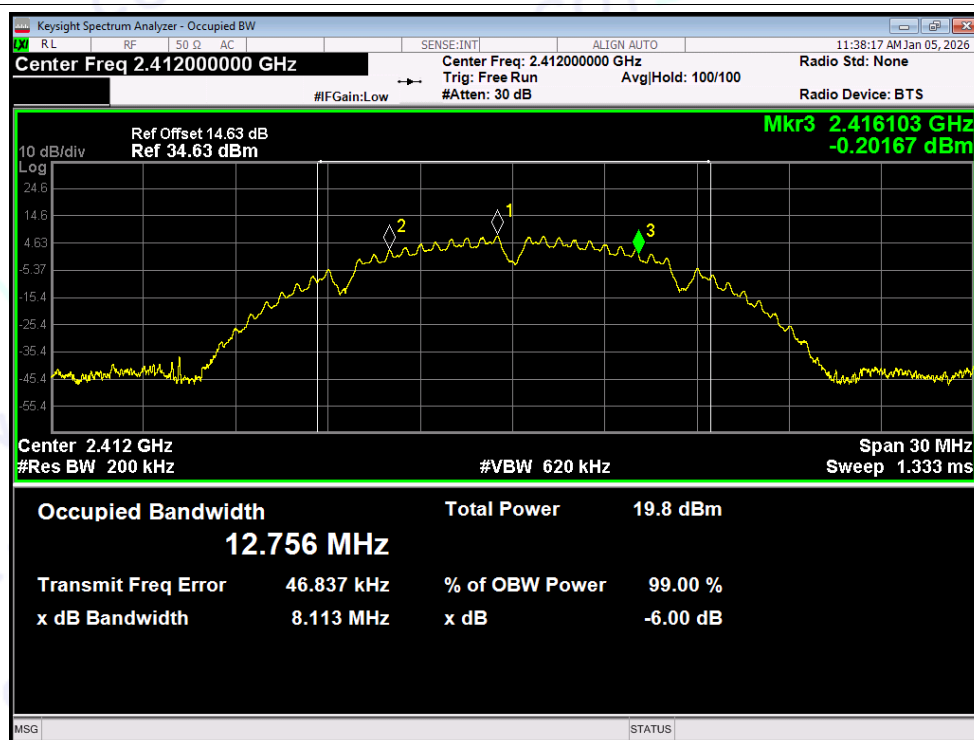
-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



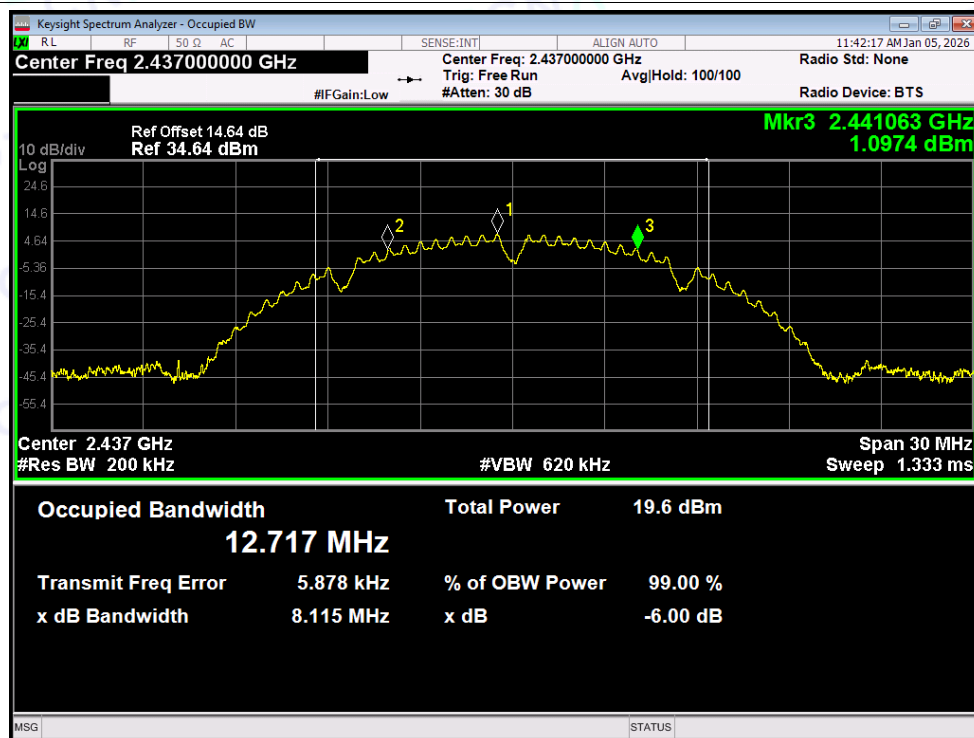
-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1



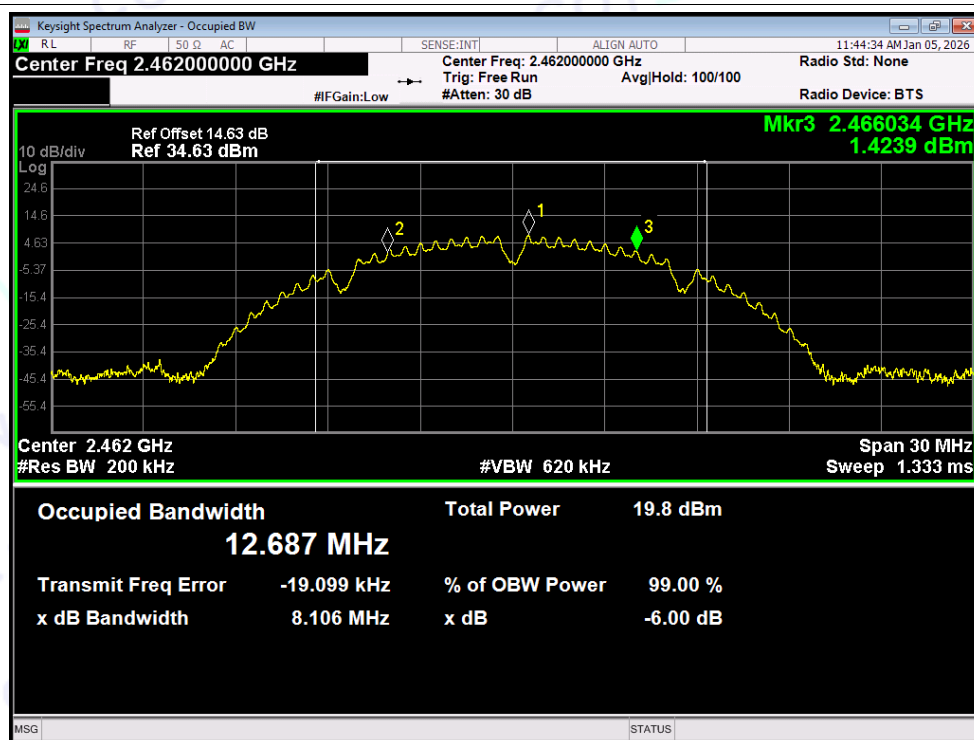
-6dB Bandwidth NVNT b 2412MHz Ant1



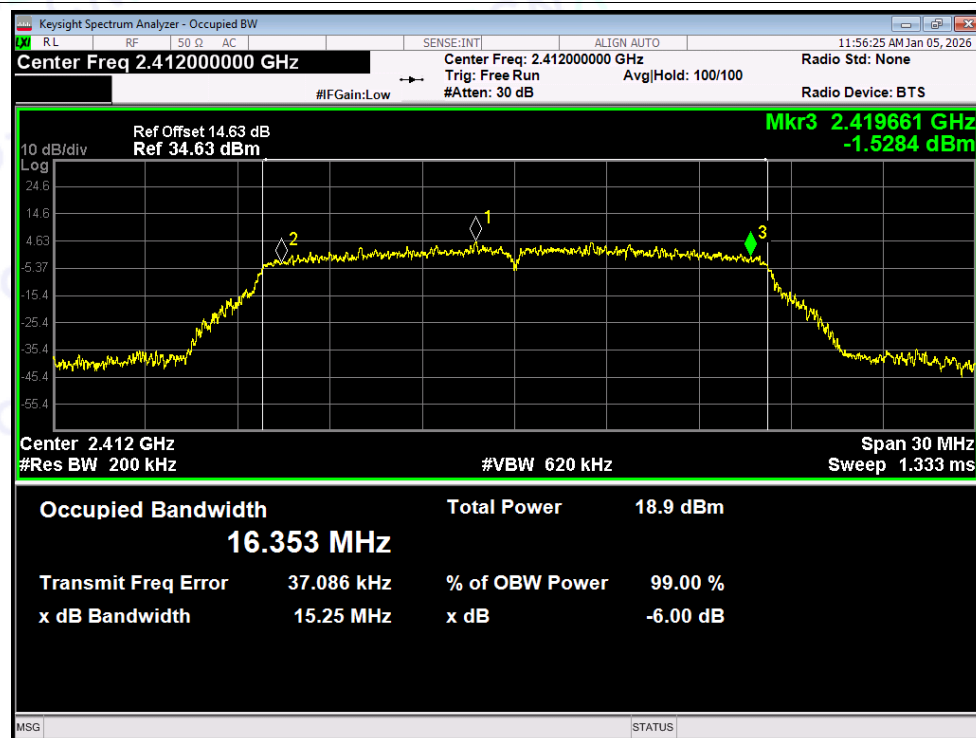
-6dB Bandwidth NVNT b 2437MHz Ant1



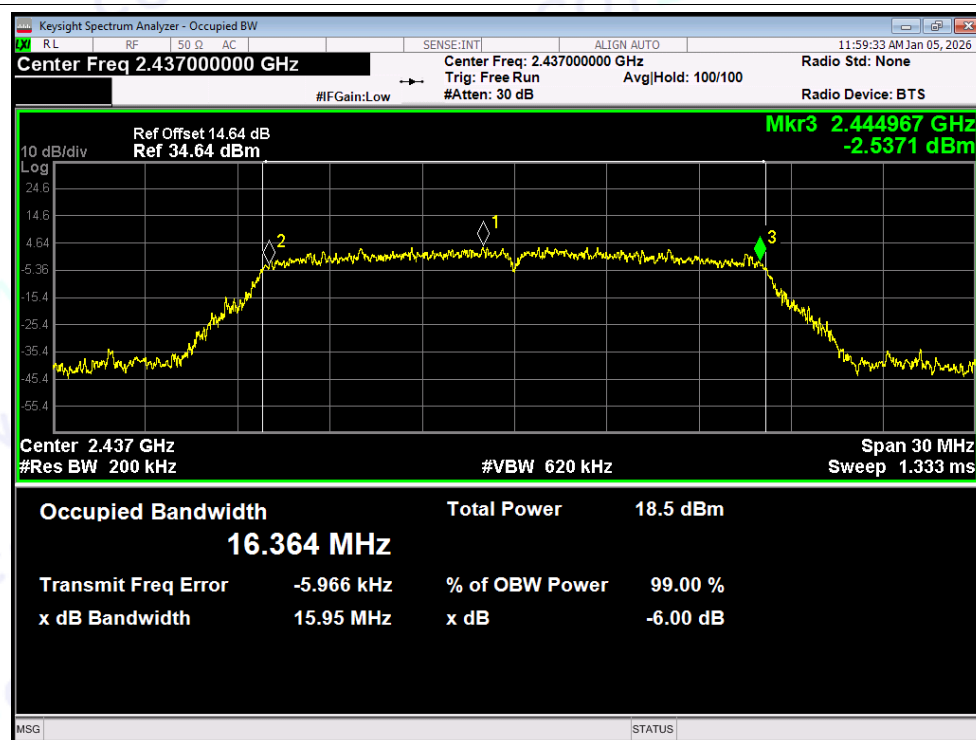
-6dB Bandwidth NVNT b 2462MHz Ant1



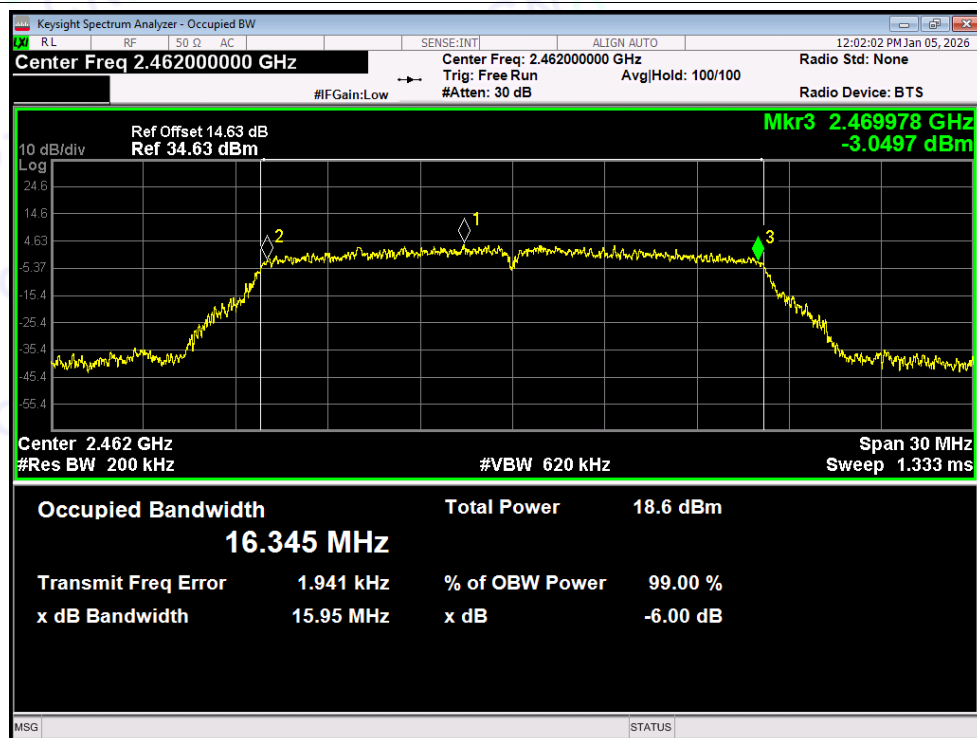
-6dB Bandwidth NVNT g 2412MHz Ant1



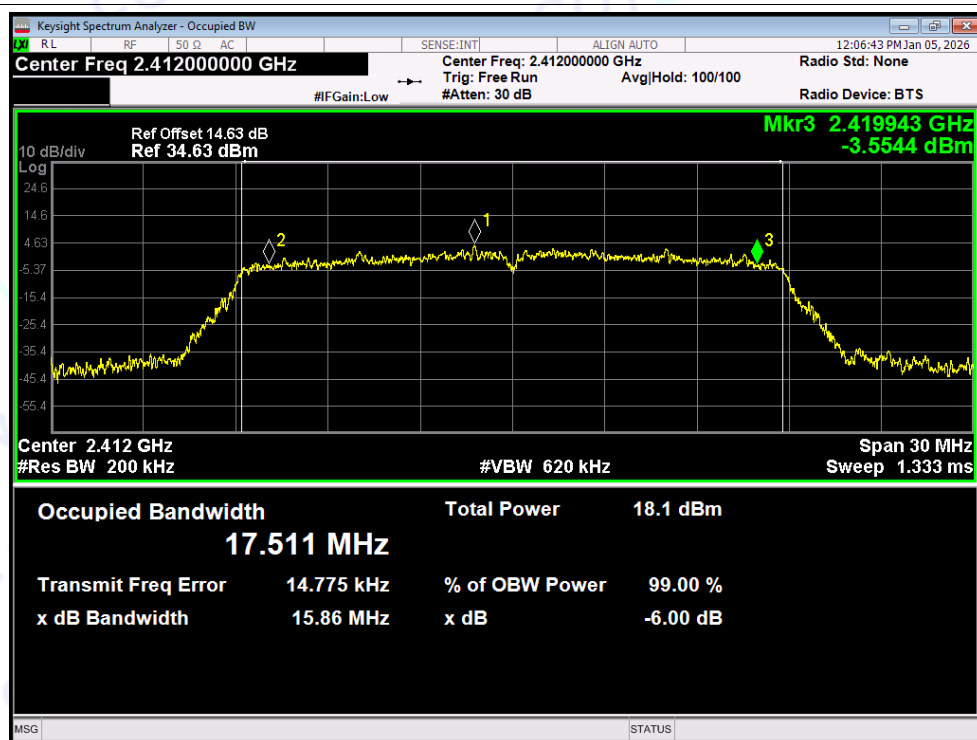
-6dB Bandwidth NVNT g 2437MHz Ant1



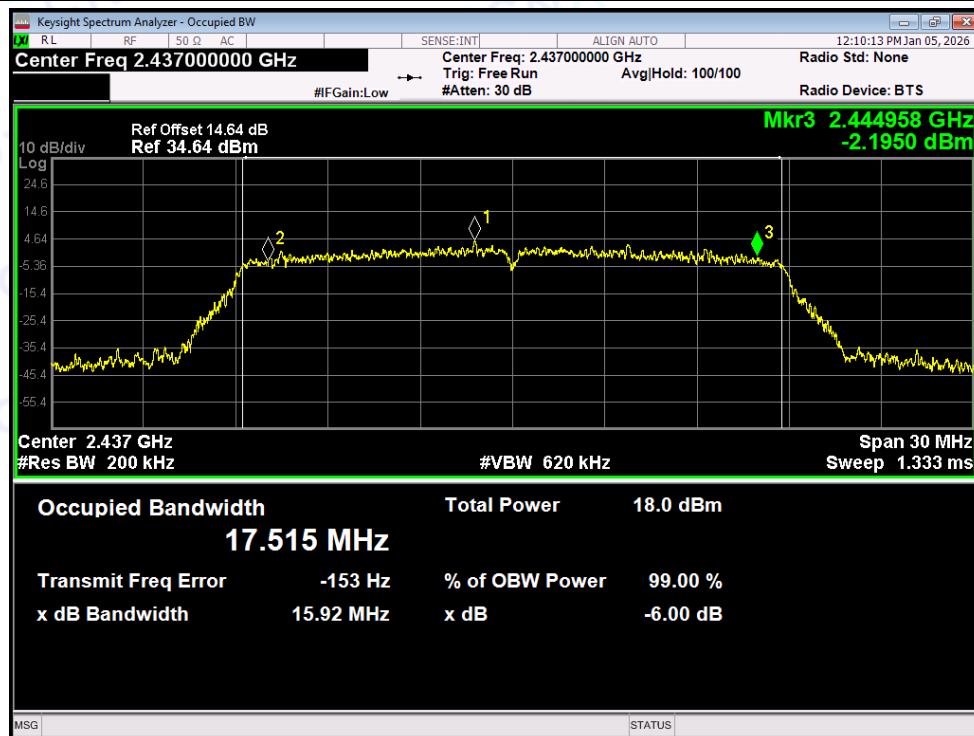
-6dB Bandwidth NVNT g 2462MHz Ant1



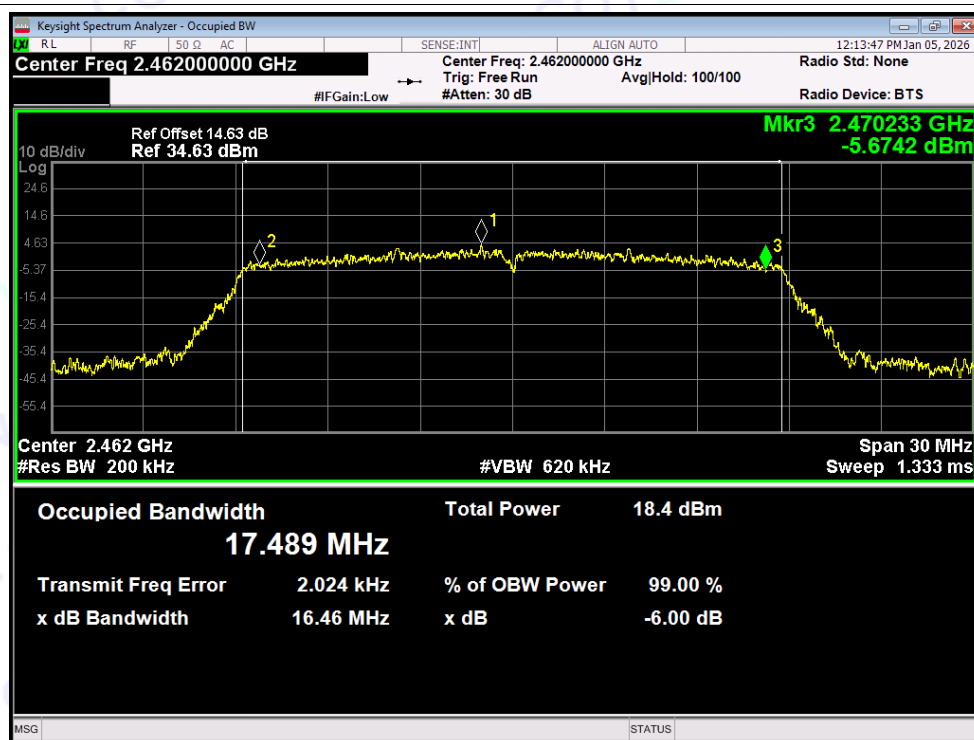
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



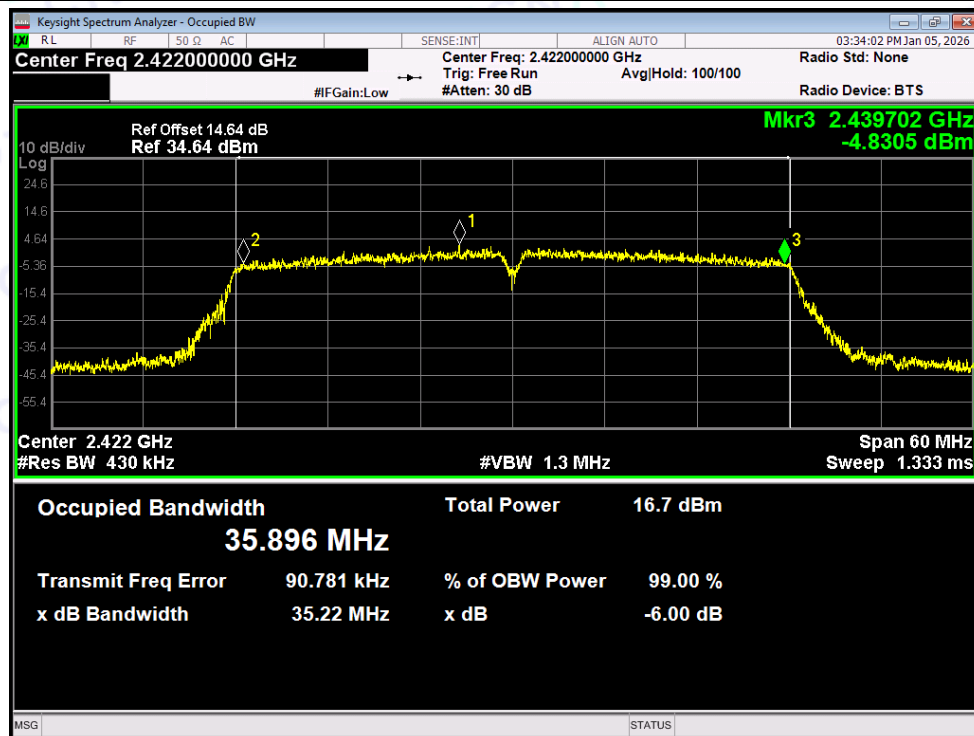
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



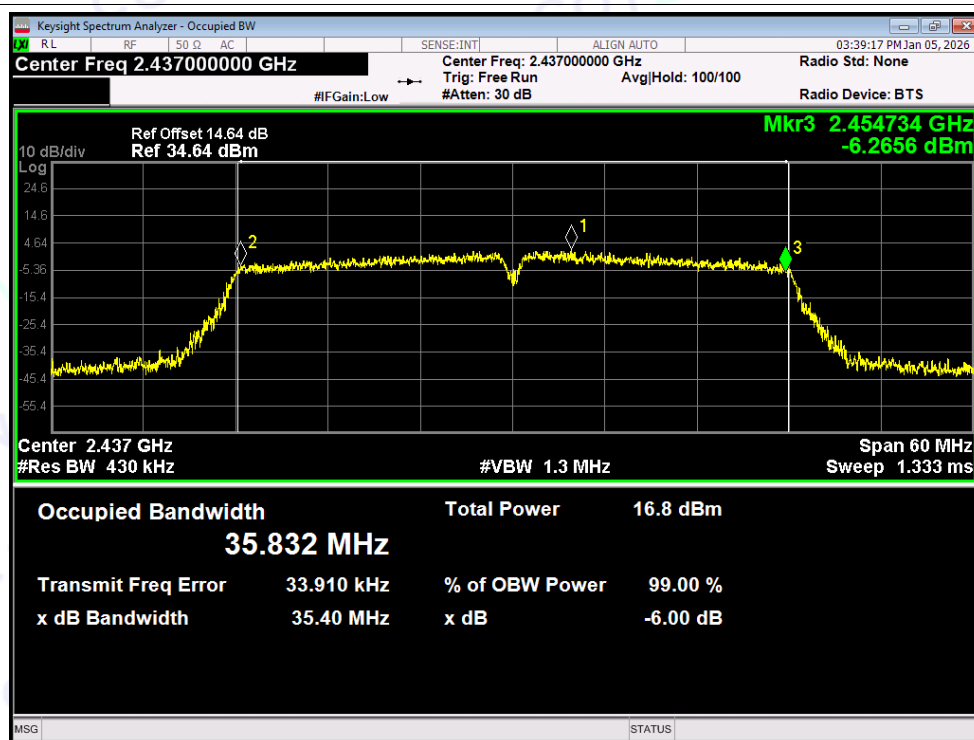
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1

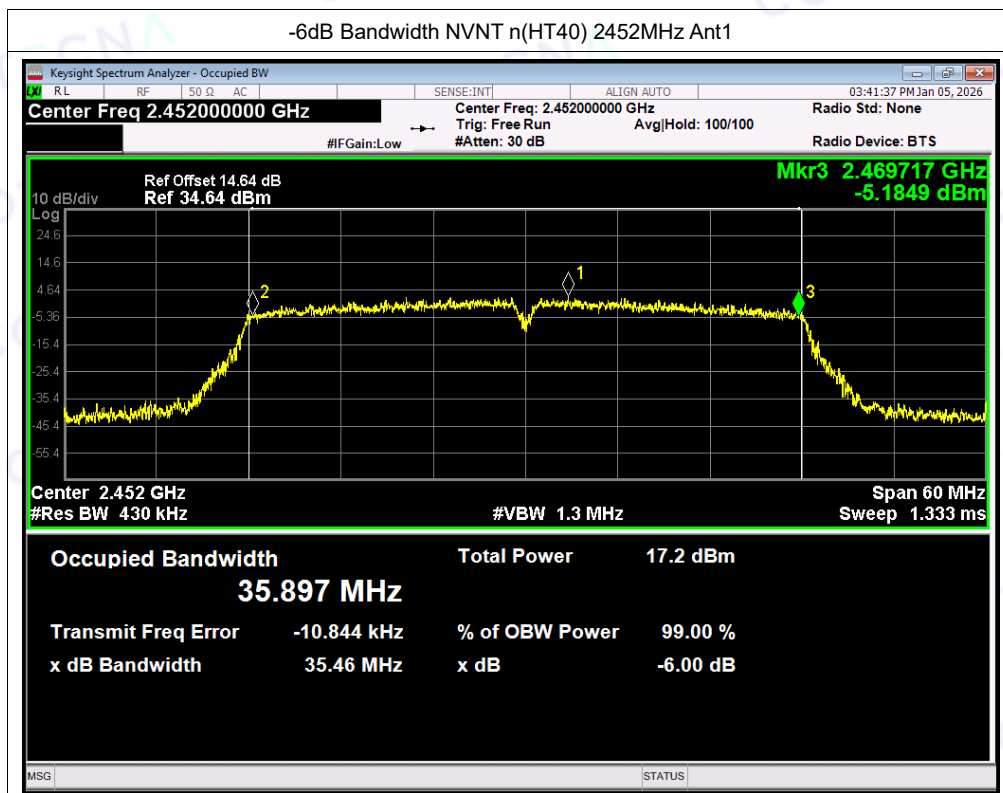


-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



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



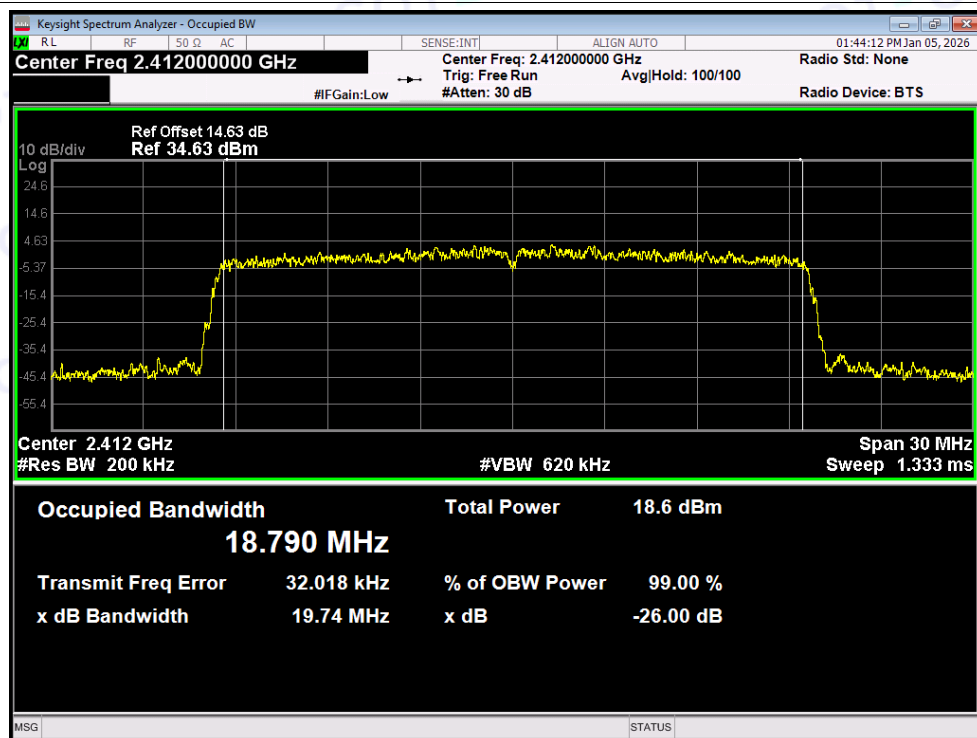


4. Occupied Channel Bandwidth

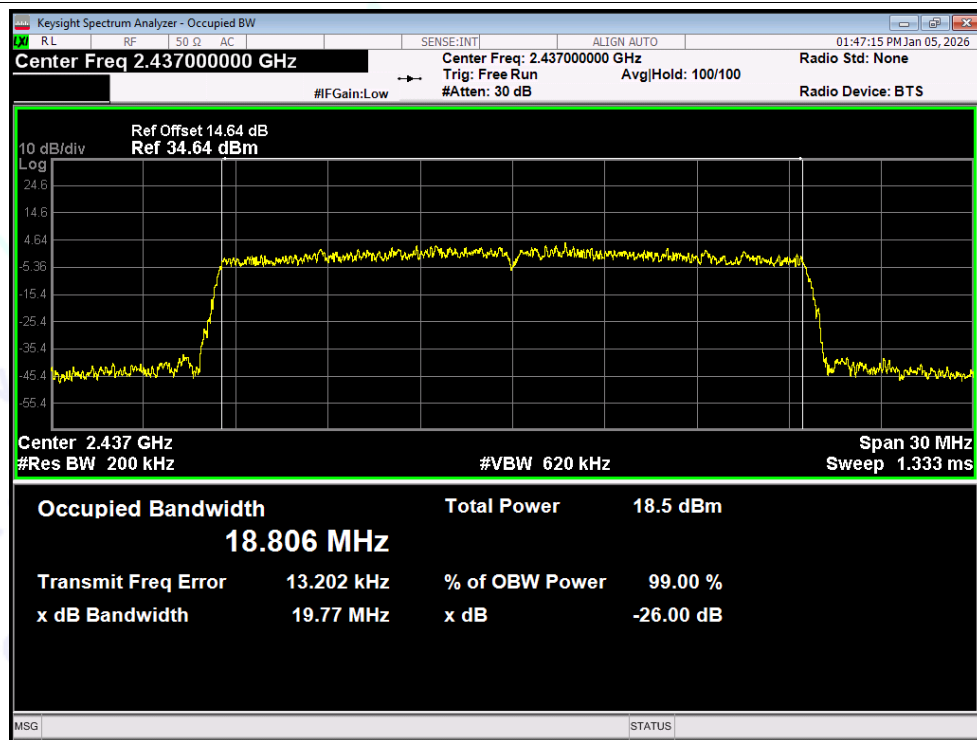
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax(VHT20)	2412	Ant1	18.79
NVNT	ax(VHT20)	2437	Ant1	18.806
NVNT	ax(VHT40)	2422	Ant1	37.547
NVNT	ax(VHT40)	2437	Ant1	37.557
NVNT	ax(VHT40)	2452	Ant1	37.523
NVNT	b	2412	Ant1	12.733
NVNT	b	2437	Ant1	12.711
NVNT	b	2462	Ant1	12.675
NVNT	g	2412	Ant1	16.37
NVNT	g	2437	Ant1	16.365
NVNT	g	2462	Ant1	16.358
NVNT	n(HT20)	2412	Ant1	17.507
NVNT	n(HT20)	2437	Ant1	17.533
NVNT	n(HT20)	2462	Ant1	17.502
NVNT	n(HT40)	2422	Ant1	35.908
NVNT	n(HT40)	2437	Ant1	35.882
NVNT	n(HT40)	2452	Ant1	35.977

Test Graphs

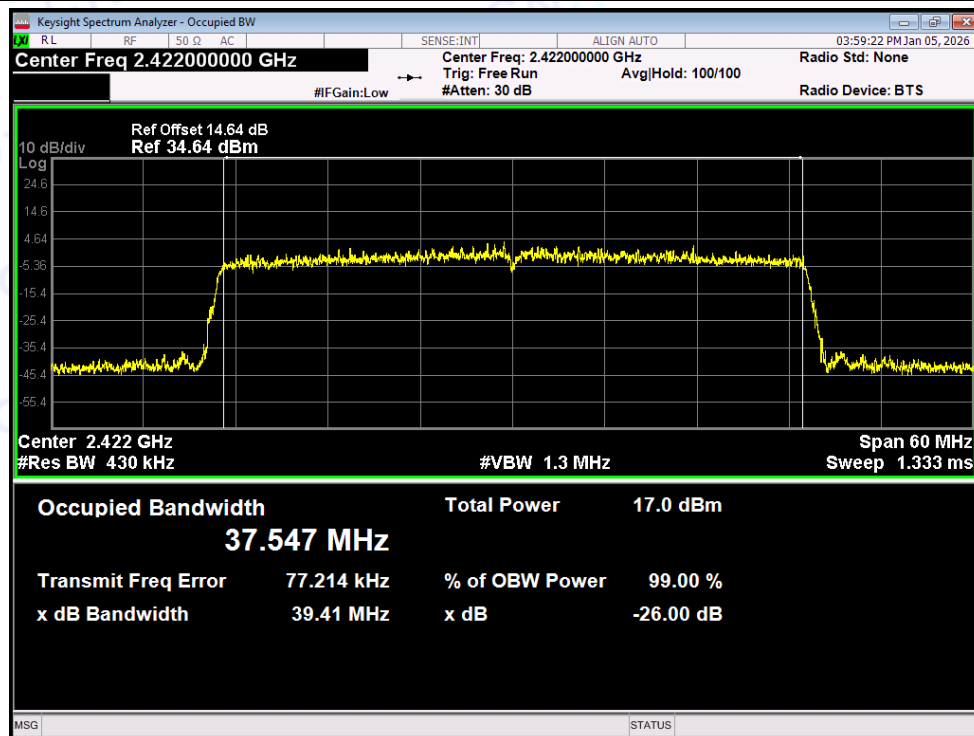
OBW NVNT ax(VHT20) 2412MHz Ant1



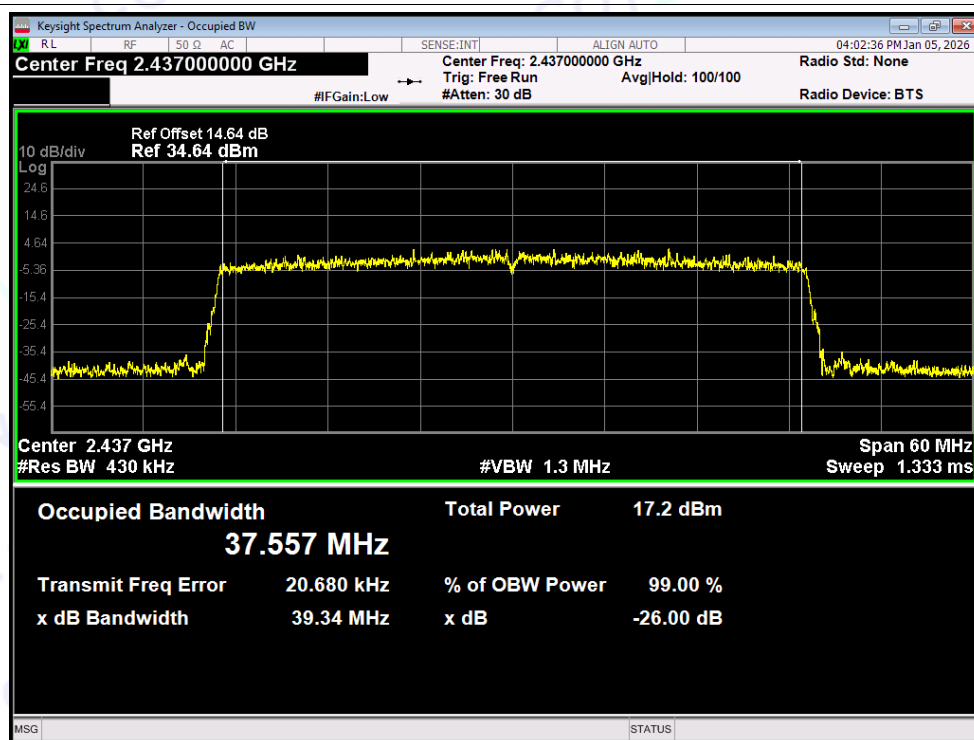
OBW NVNT ax(VHT20) 2437MHz Ant1



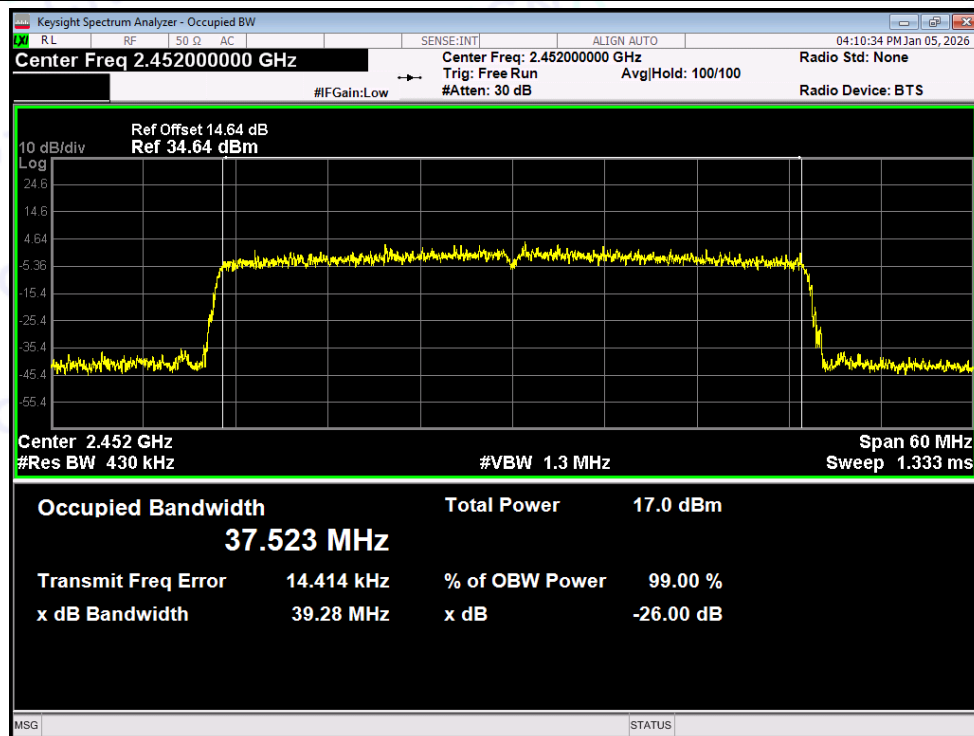
OBW NVNT ax(VHT40) 2422MHz Ant1



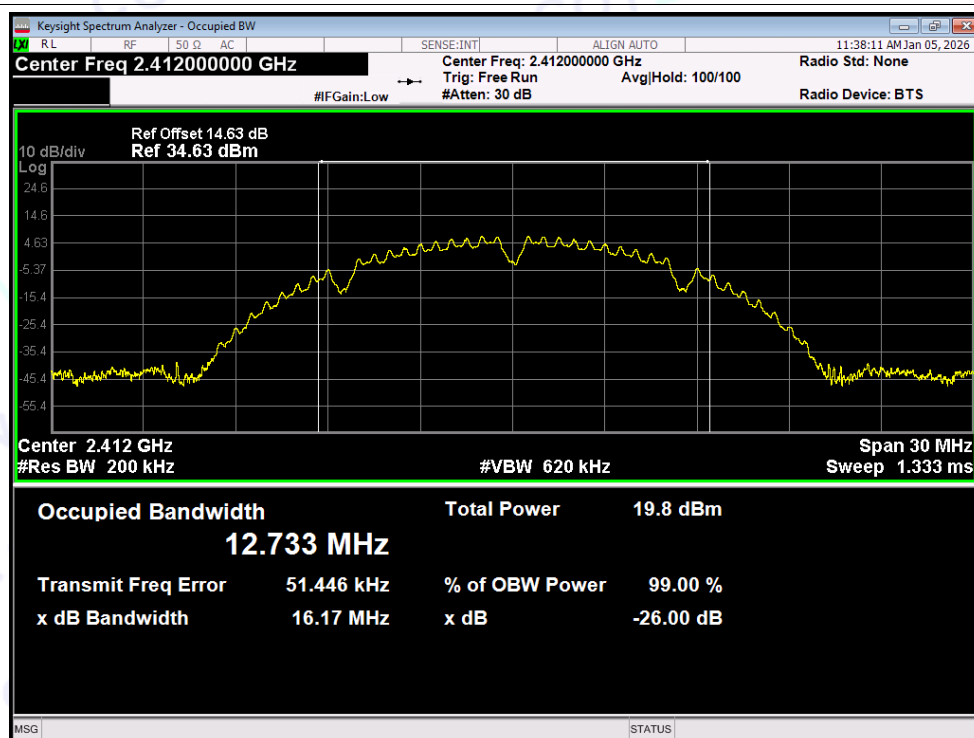
OBW NVNT ax(VHT40) 2437MHz Ant1



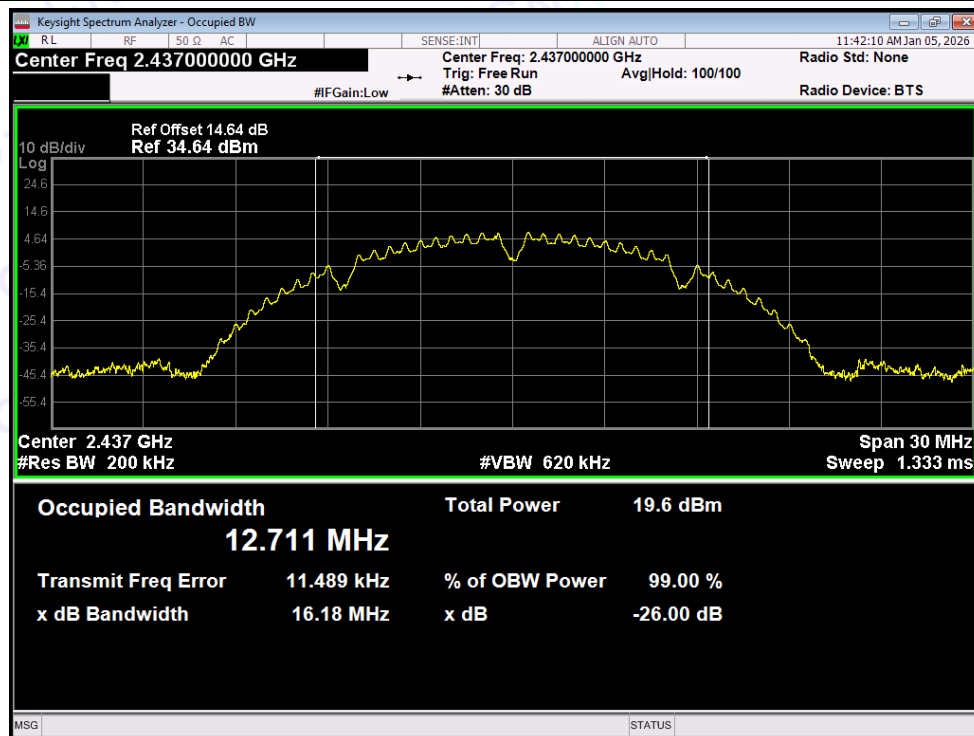
OBW NVNT ax(VHT40) 2452MHz Ant1



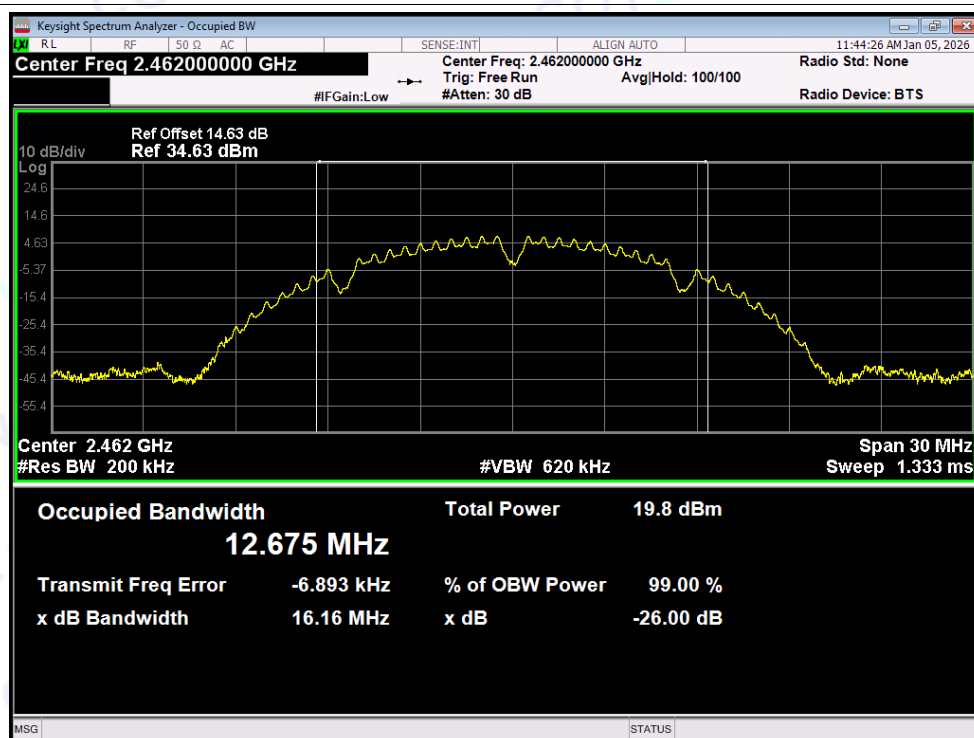
OBW NVNT b 2412MHz Ant1



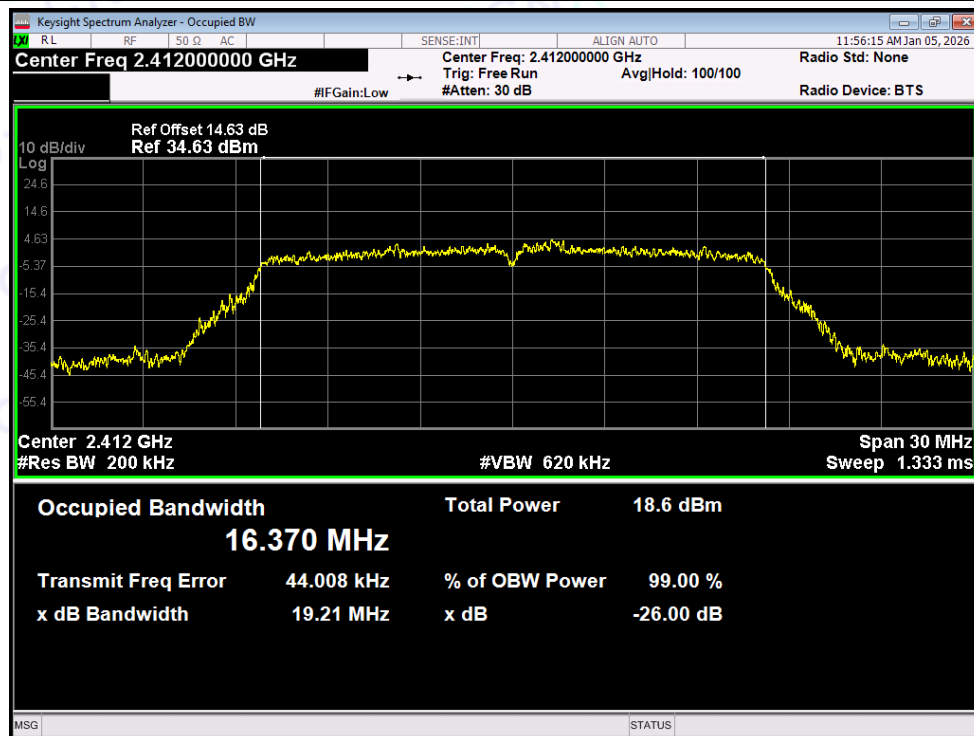
OBW NVNT b 2437MHz Ant1



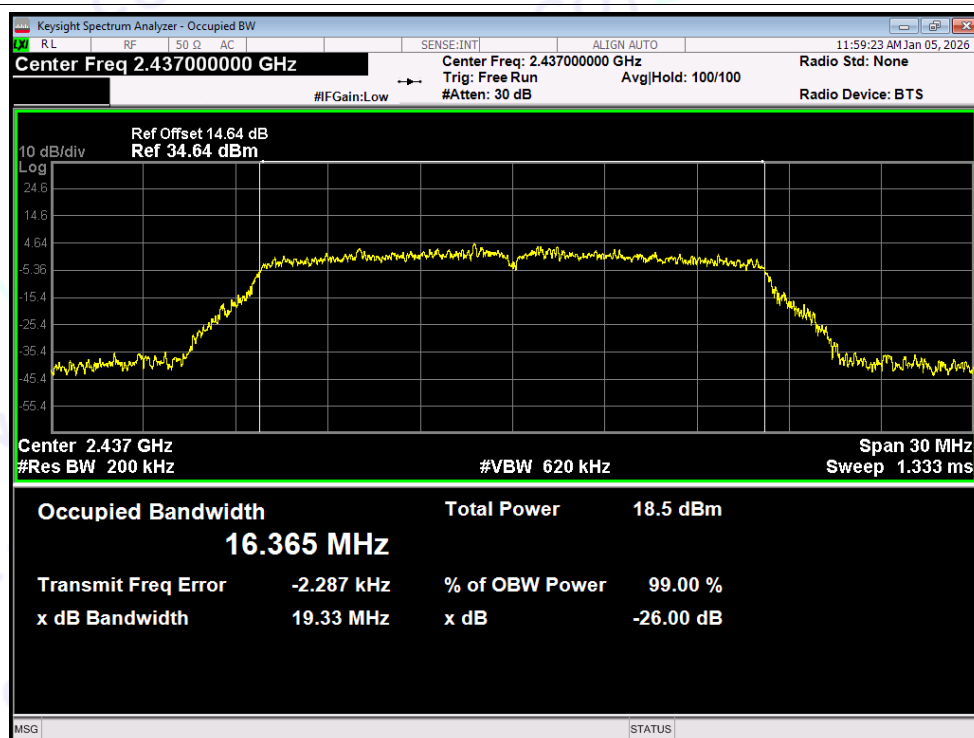
OBW NVNT b 2462MHz Ant1



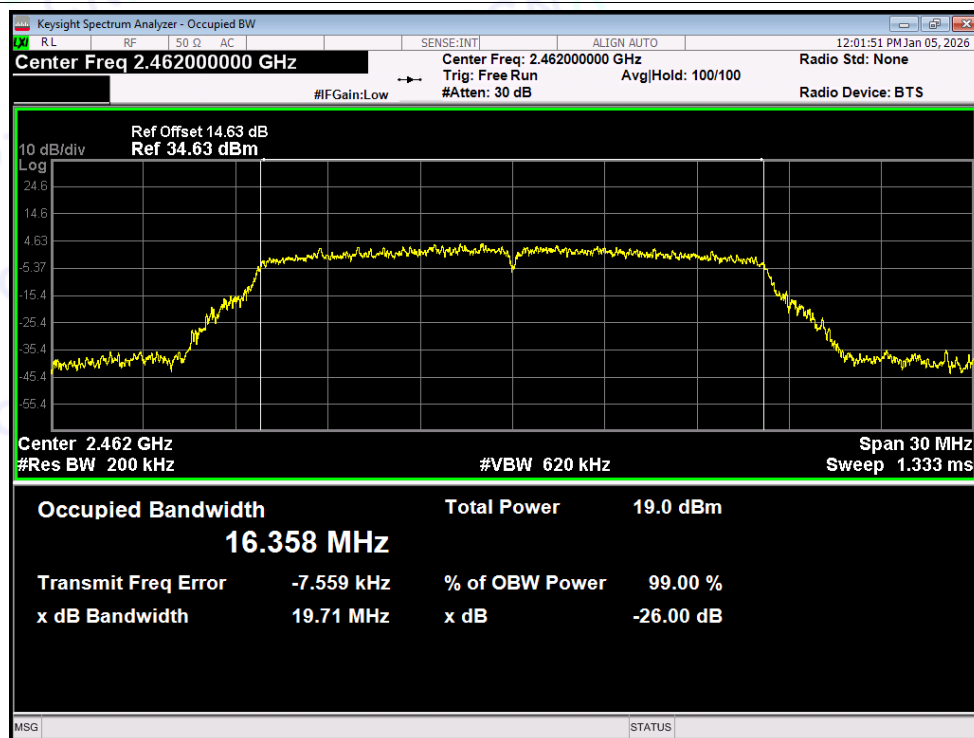
OBW NVNT g 2412MHz Ant1



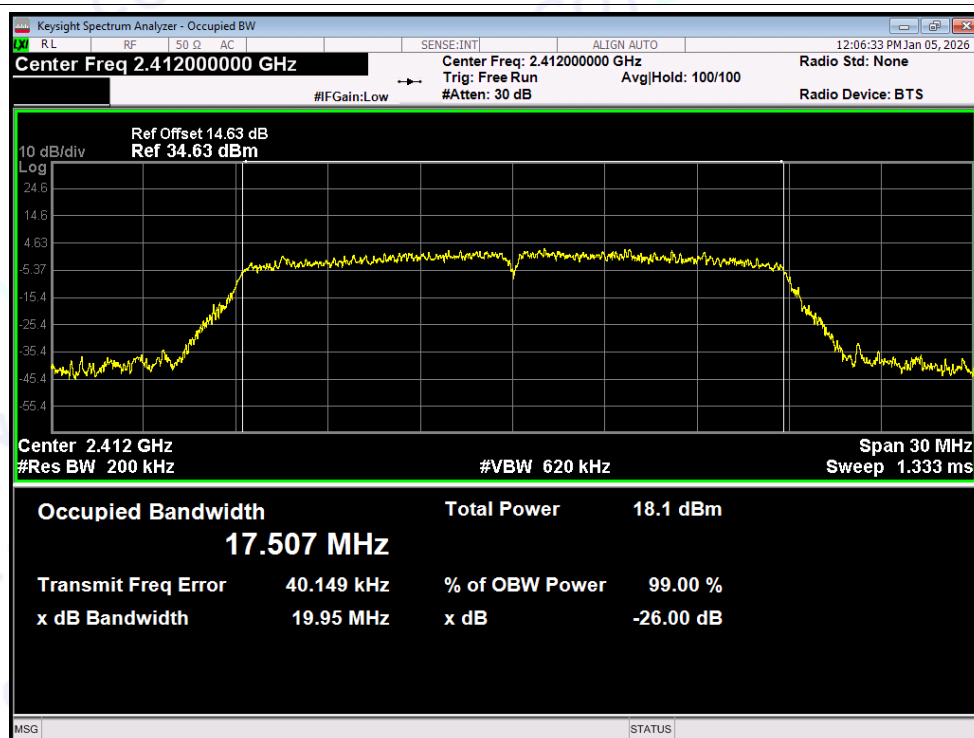
OBW NVNT g 2437MHz Ant1



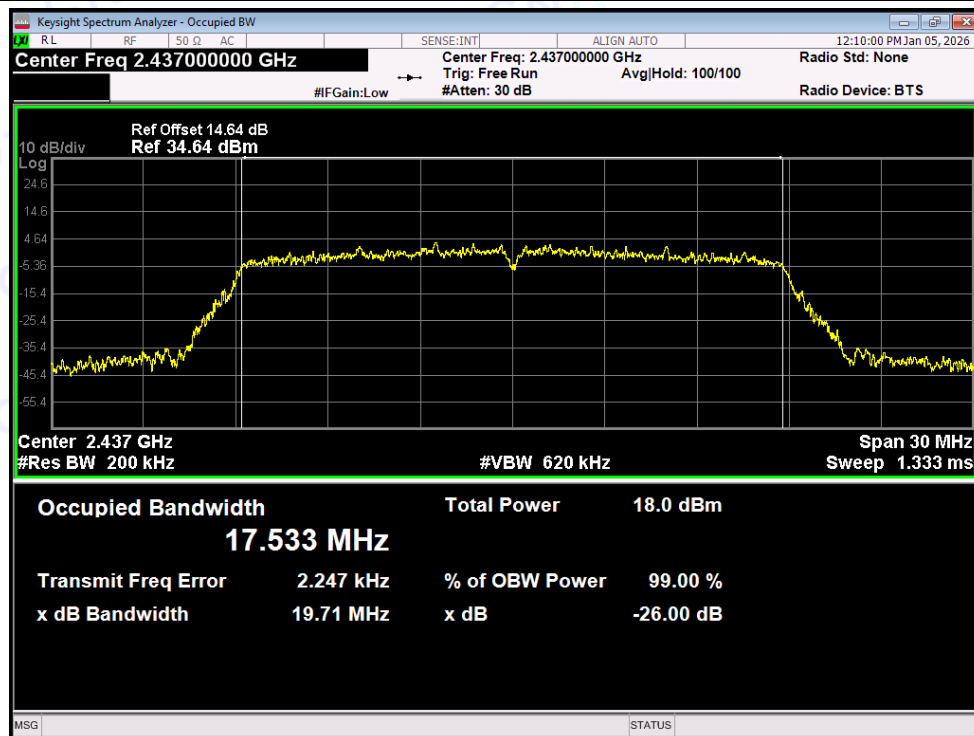
OBW NVNT g 2462MHz Ant1



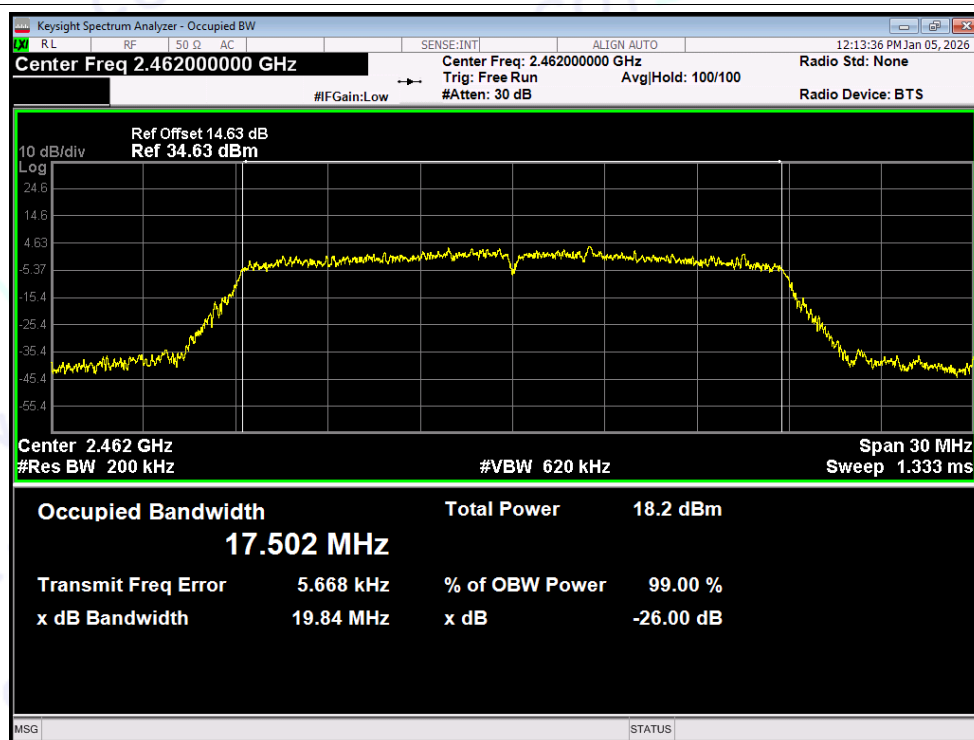
OBW NVNT n(HT20) 2412MHz Ant1



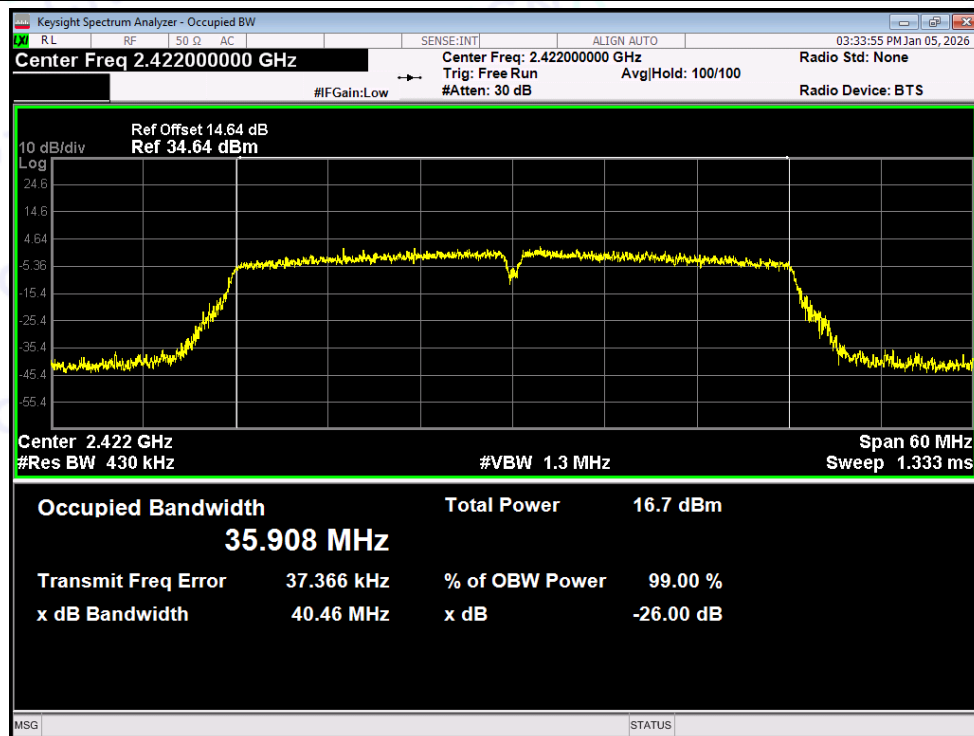
OBW NVNT n(HT20) 2437MHz Ant1



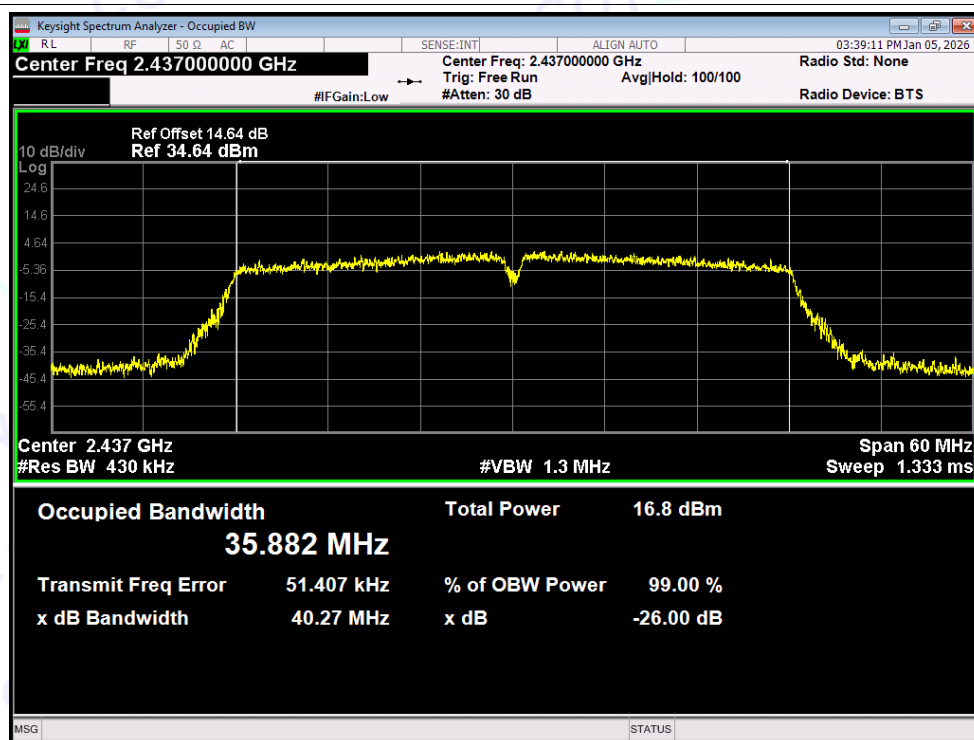
OBW NVNT n(HT20) 2462MHz Ant1

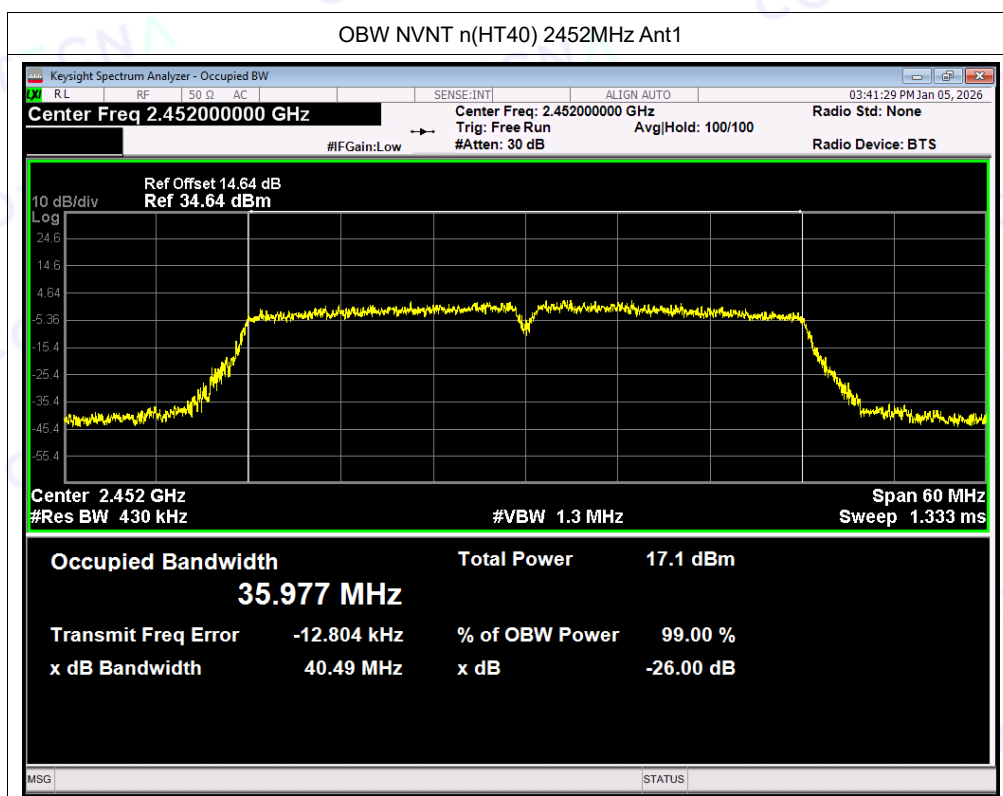


OBW NVNT n(HT40) 2422MHz Ant1



OBW NVNT n(HT40) 2437MHz Ant1



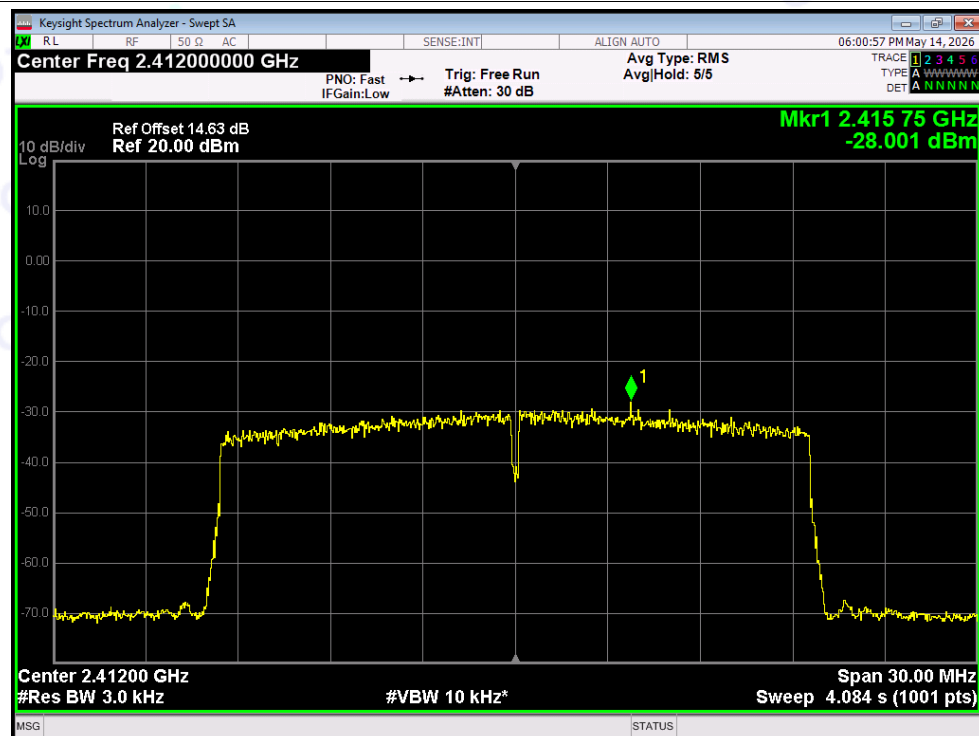


5. Maximum Power Spectral Density Level

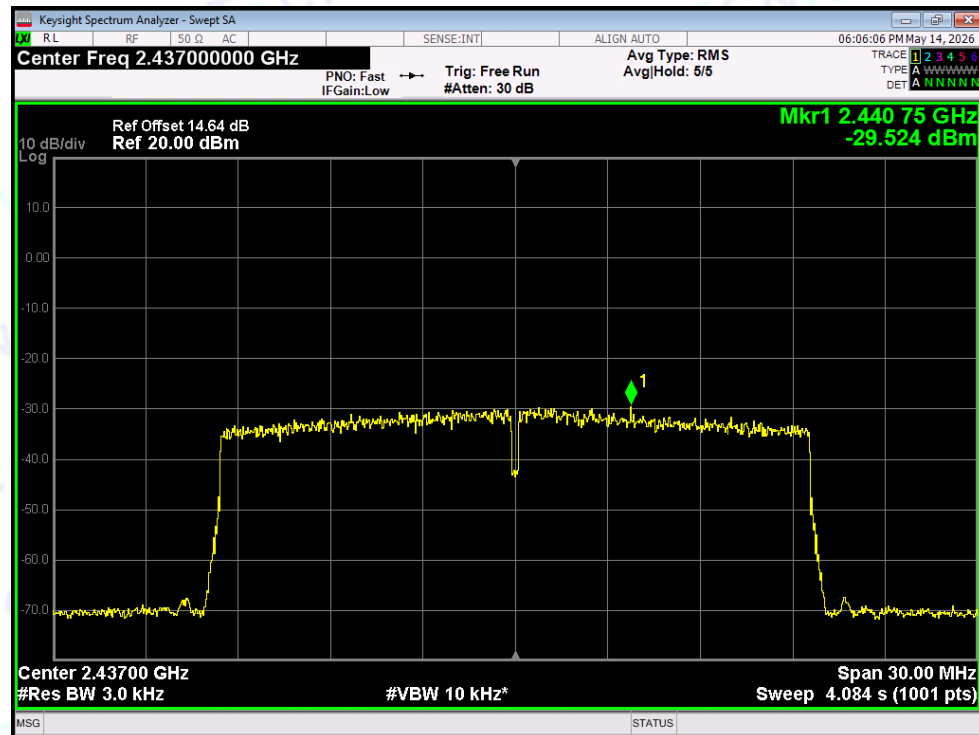
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-28.001	8	Pass
NVNT	ax(VHT20)	2437	Ant1	-29.524	8	Pass
NVNT	ax(VHT20)	2462	Ant1	-29.453	8	Pass
NVNT	ax(VHT40)	2422	Ant1	-34.527	8	Pass
NVNT	ax(VHT40)	2437	Ant1	-34.126	8	Pass
NVNT	ax(VHT40)	2452	Ant1	-33.603	8	Pass
NVNT	b	2412	Ant1	-22.416	8	Pass
NVNT	b	2437	Ant1	-22.594	8	Pass
NVNT	b	2462	Ant1	-21.878	8	Pass
NVNT	g	2412	Ant1	-26.961	8	Pass
NVNT	g	2437	Ant1	-27.286	8	Pass
NVNT	g	2462	Ant1	-27.146	8	Pass
NVNT	n(HT20)	2412	Ant1	-27.969	8	Pass
NVNT	n(HT20)	2437	Ant1	-27.625	8	Pass
NVNT	n(HT20)	2462	Ant1	-27.271	8	Pass
NVNT	n(HT40)	2422	Ant1	-31.995	8	Pass
NVNT	n(HT40)	2437	Ant1	-31.8	8	Pass
NVNT	n(HT40)	2452	Ant1	-32.072	8	Pass

Test Graphs

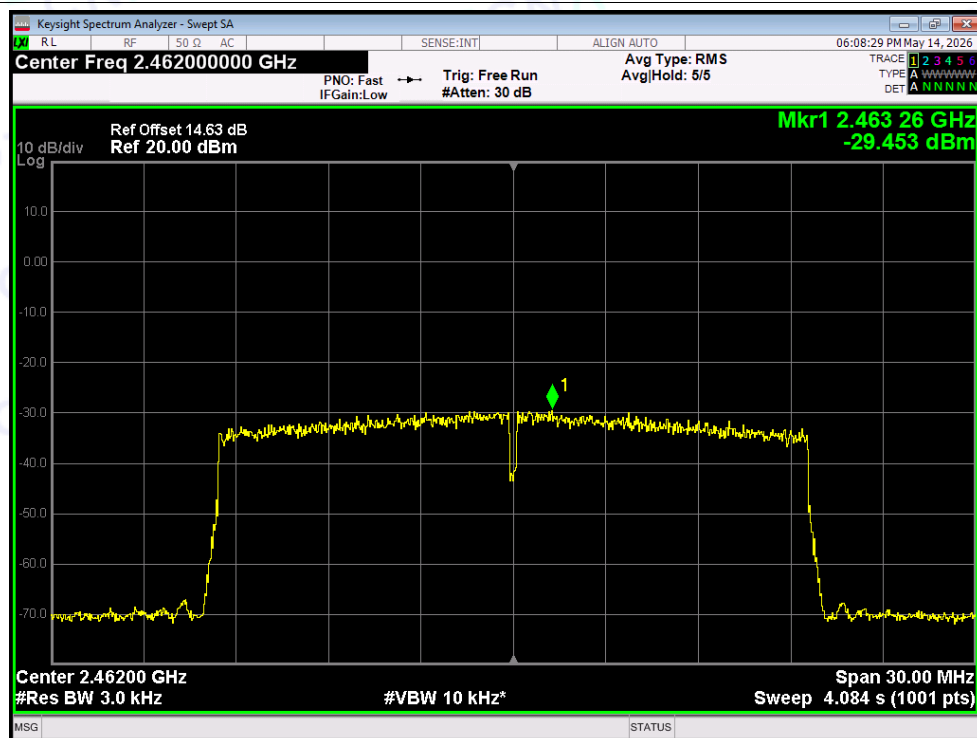
PSD NVNT ax(VHT20) 2412MHz Ant1



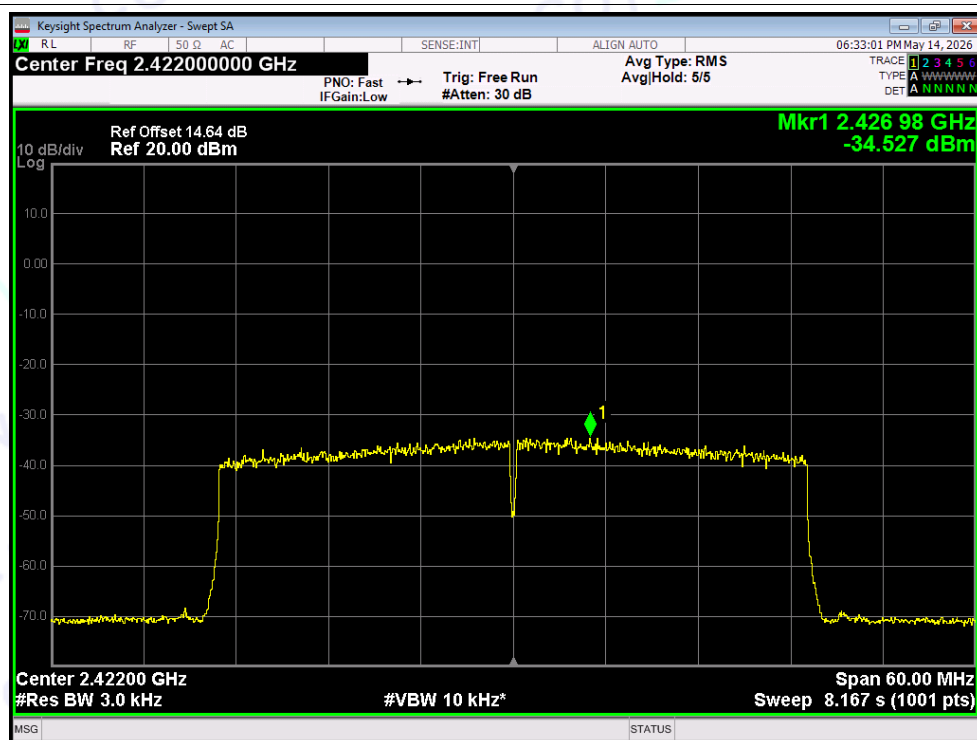
PSD NVNT ax(VHT20) 2437MHz Ant1



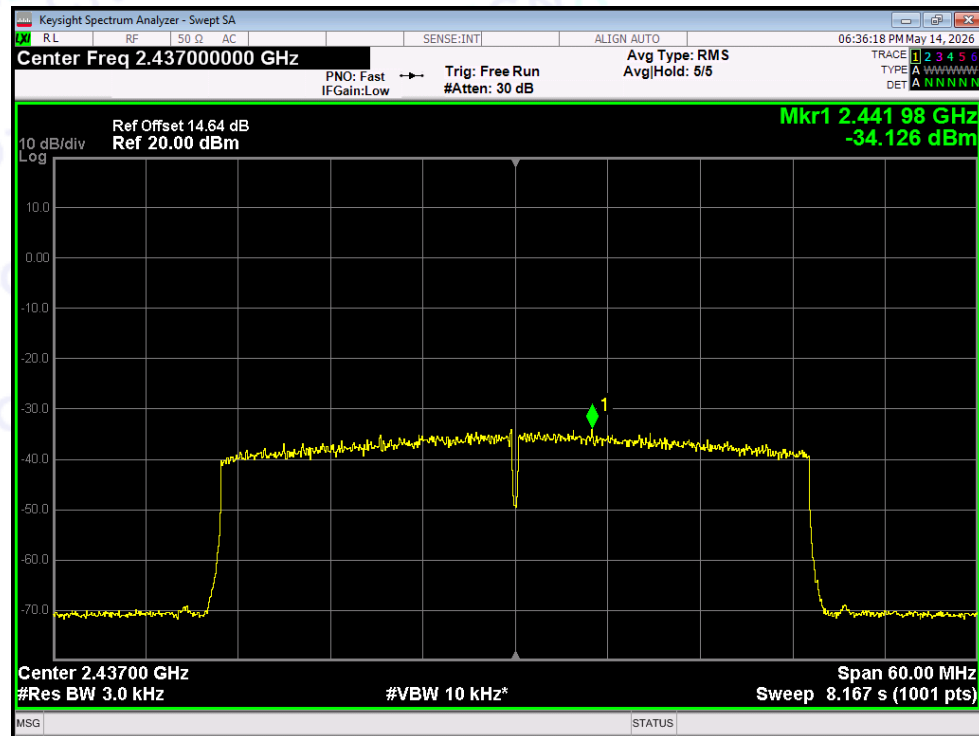
PSD NVNT ax(VHT20) 2462MHz Ant1



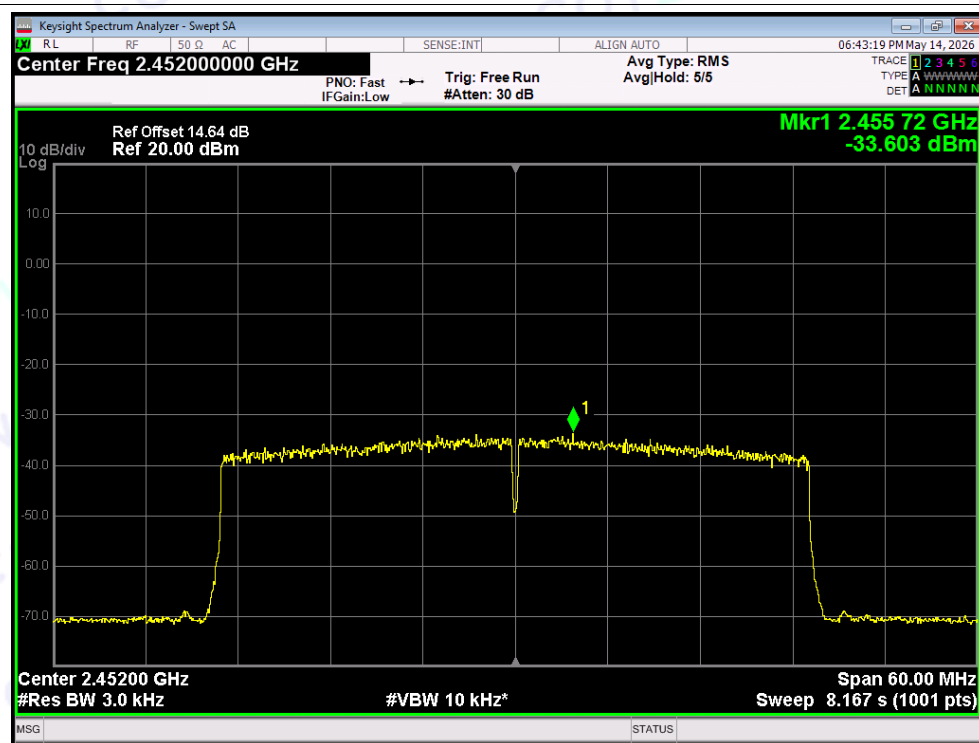
PSD NVNT ax(VHT40) 2422MHz Ant1



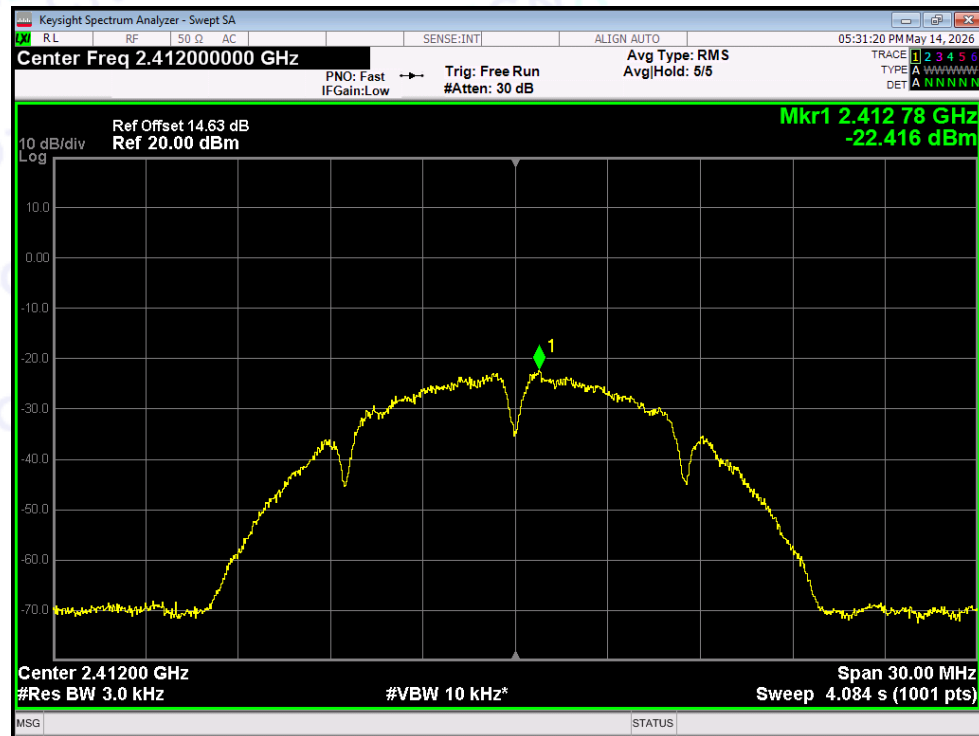
PSD NVNT ax(VHT40) 2437MHz Ant1



PSD NVNT ax(VHT40) 2452MHz Ant1



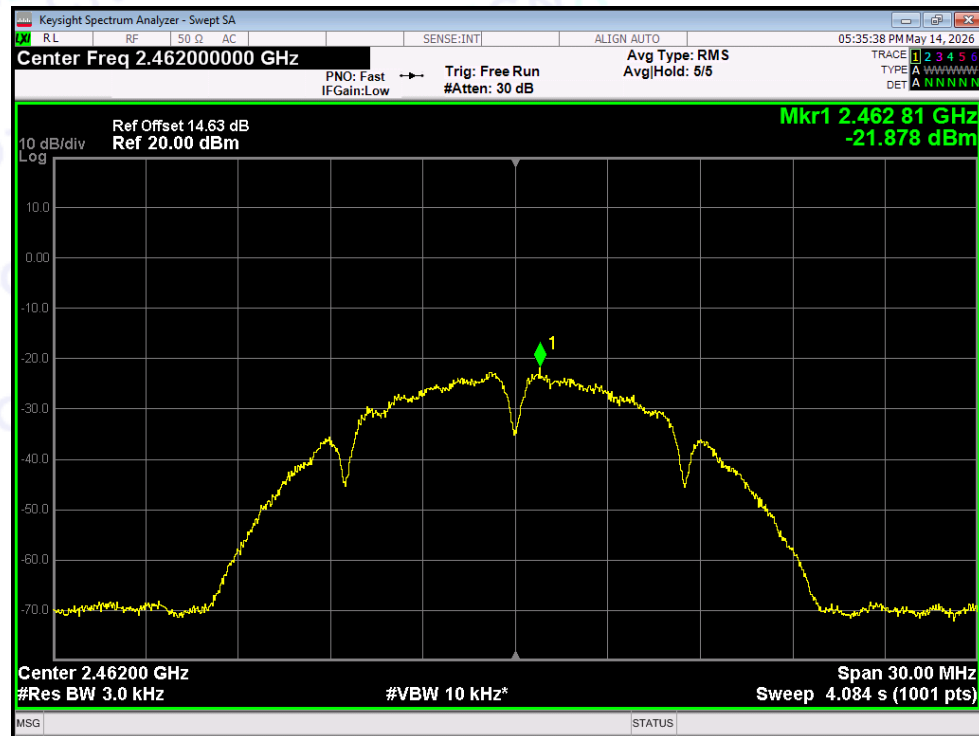
PSD NVNT b 2412MHz Ant1



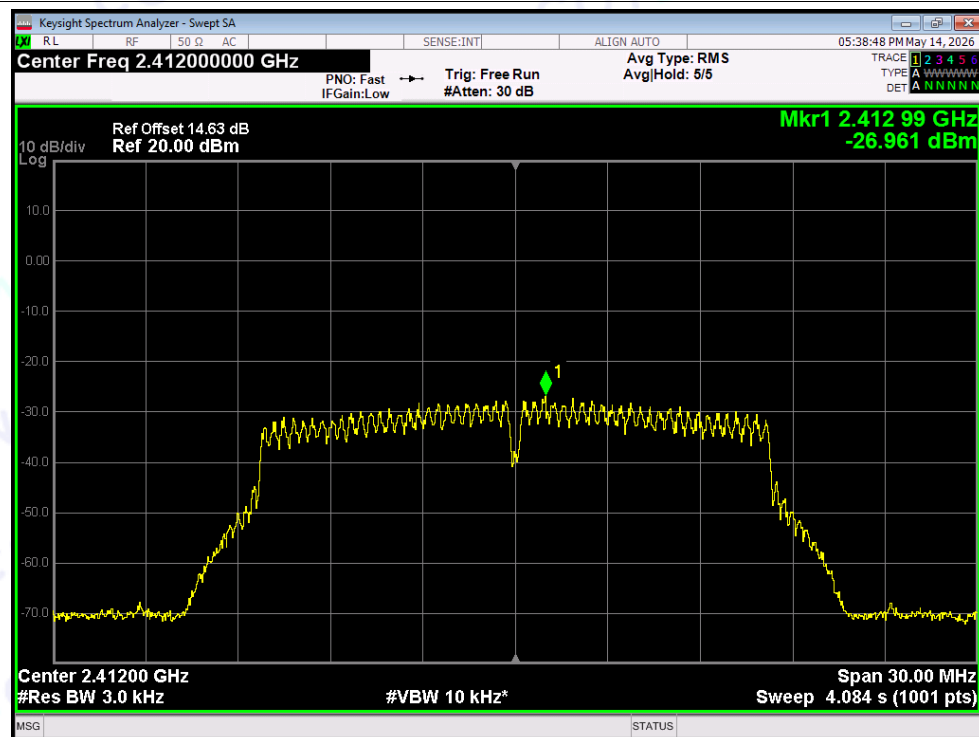
PSD NVNT b 2437MHz Ant1



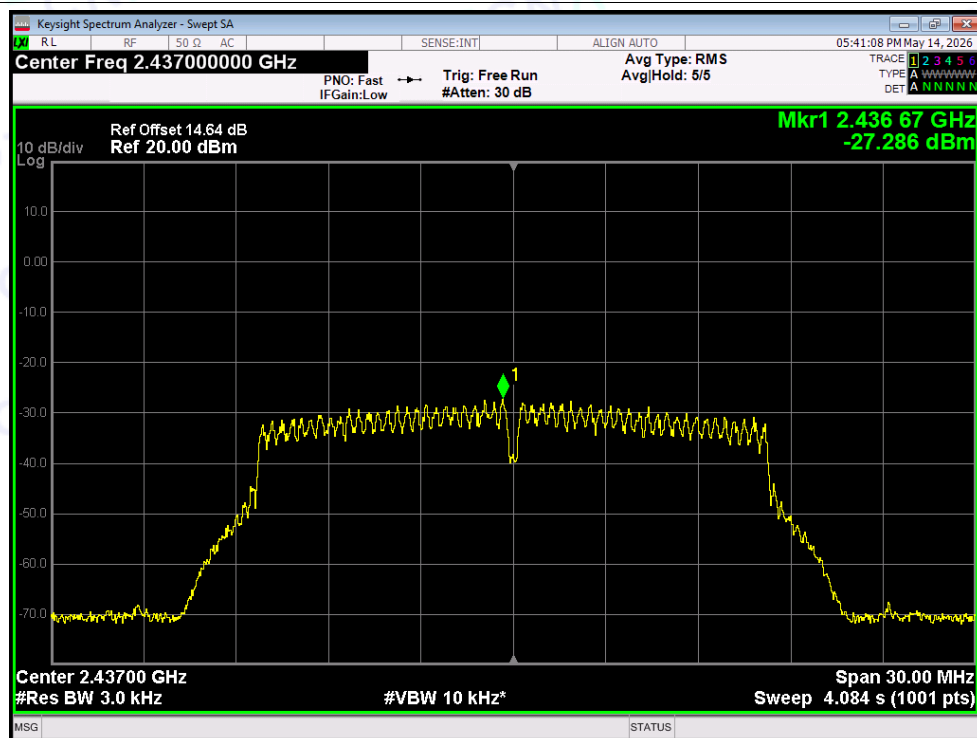
PSD NVNT b 2462MHz Ant1



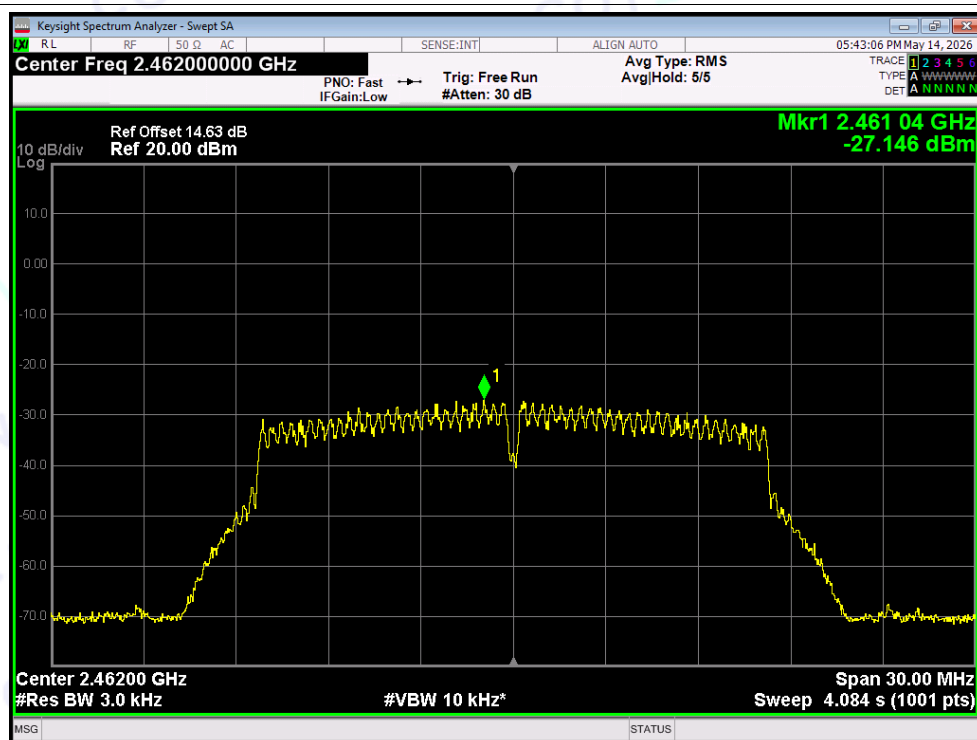
PSD NVNT g 2412MHz Ant1



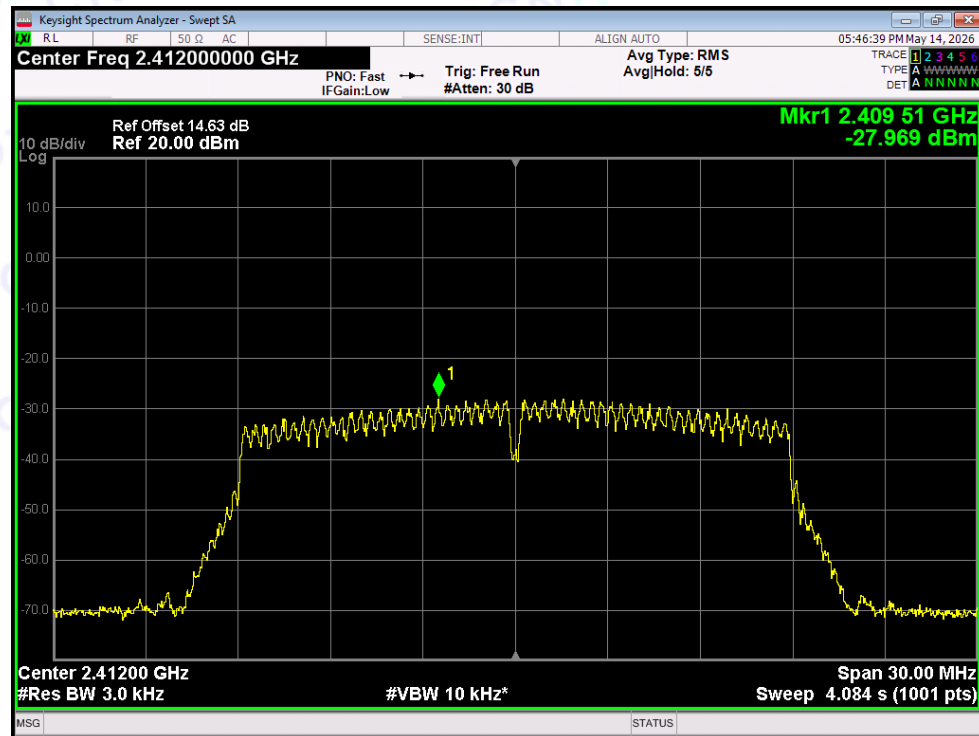
PSD NVNT g 2437MHz Ant1



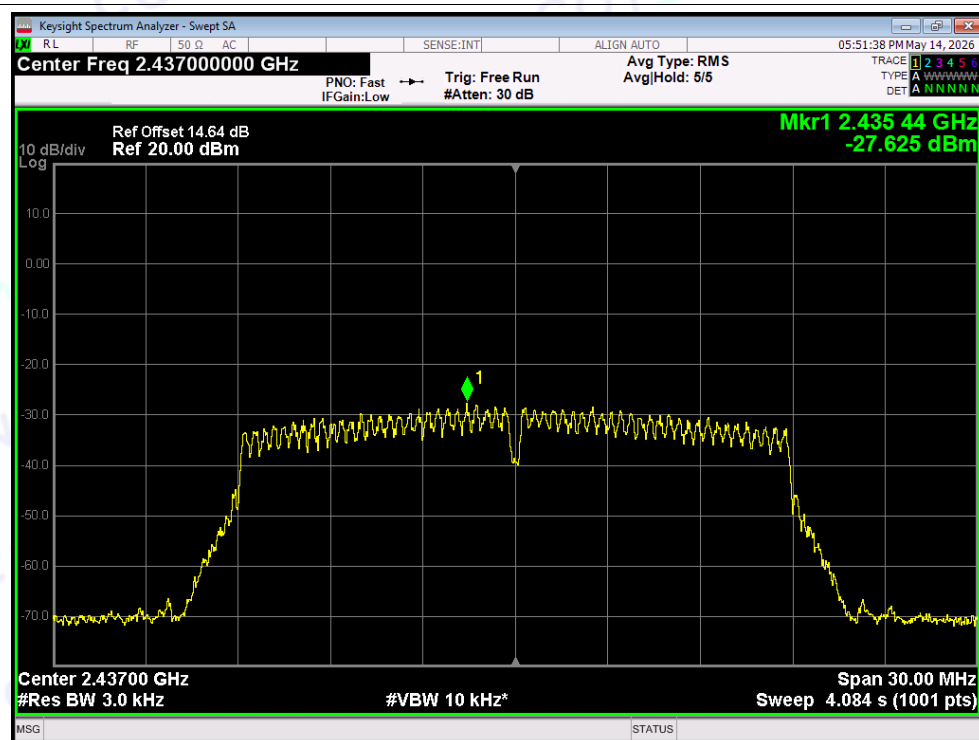
PSD NVNT g 2462MHz Ant1



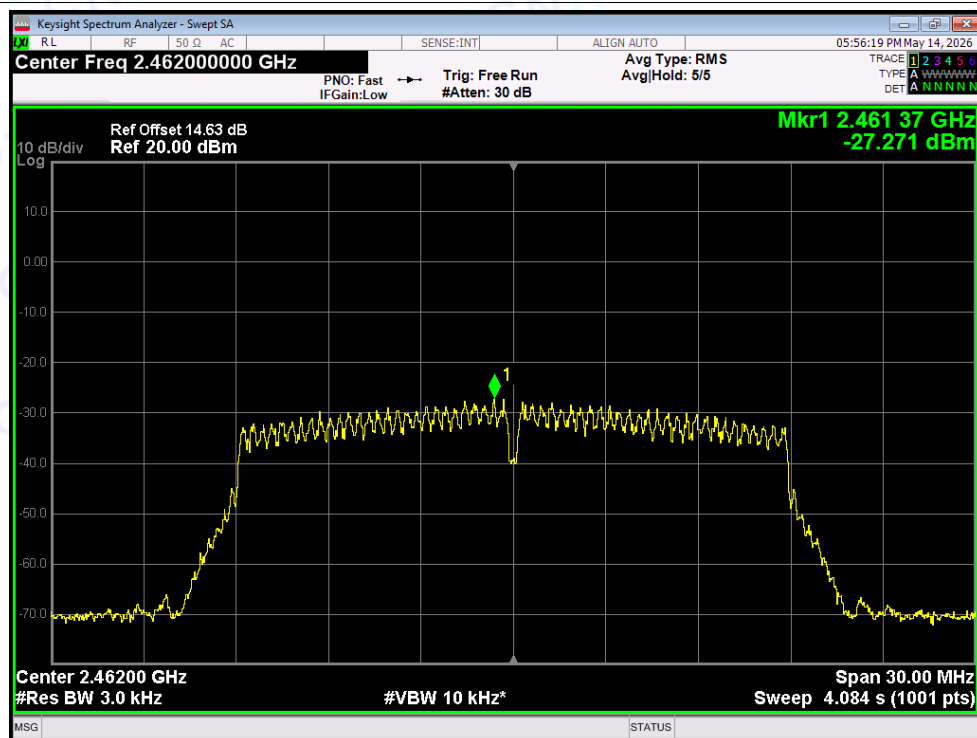
PSD NVNT n(HT20) 2412MHz Ant1



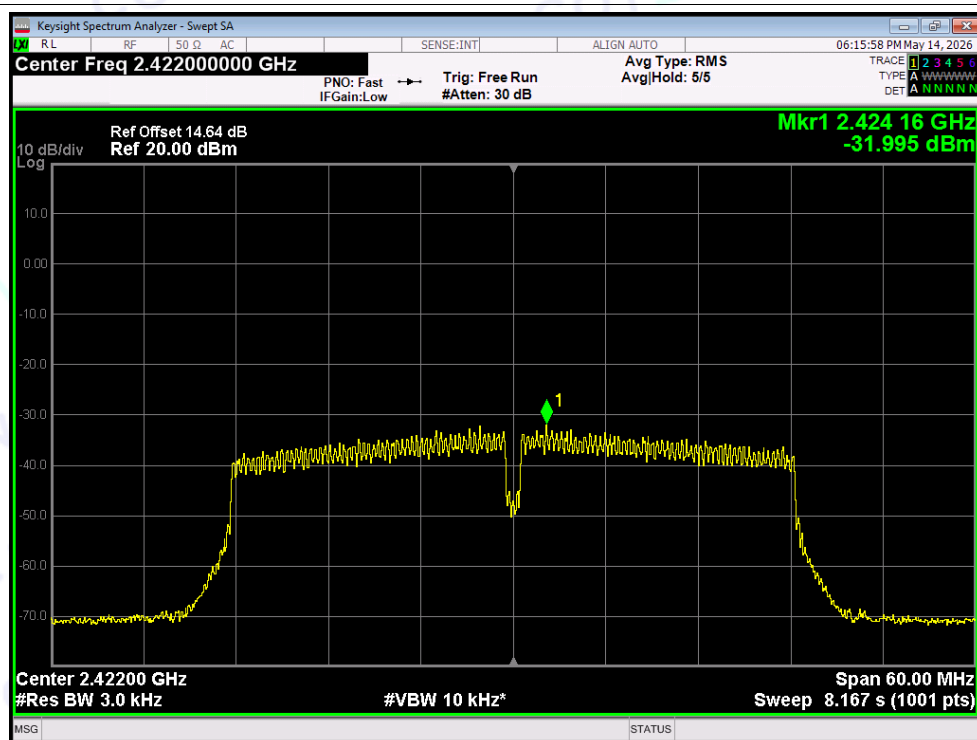
PSD NVNT n(HT20) 2437MHz Ant1



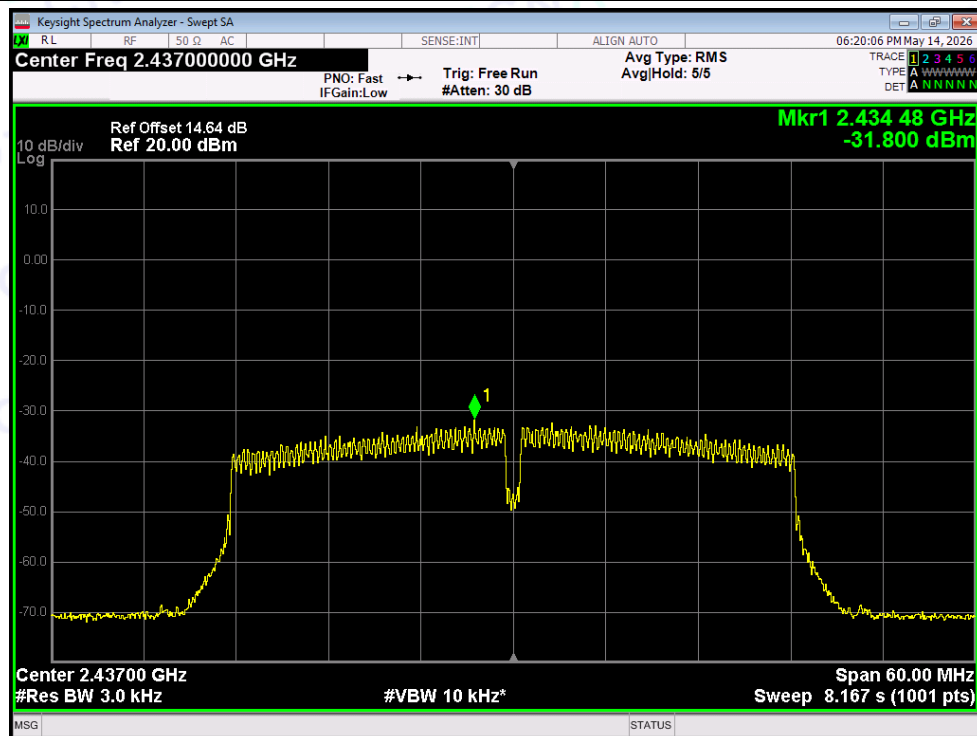
PSD NVNT n(HT20) 2462MHz Ant1



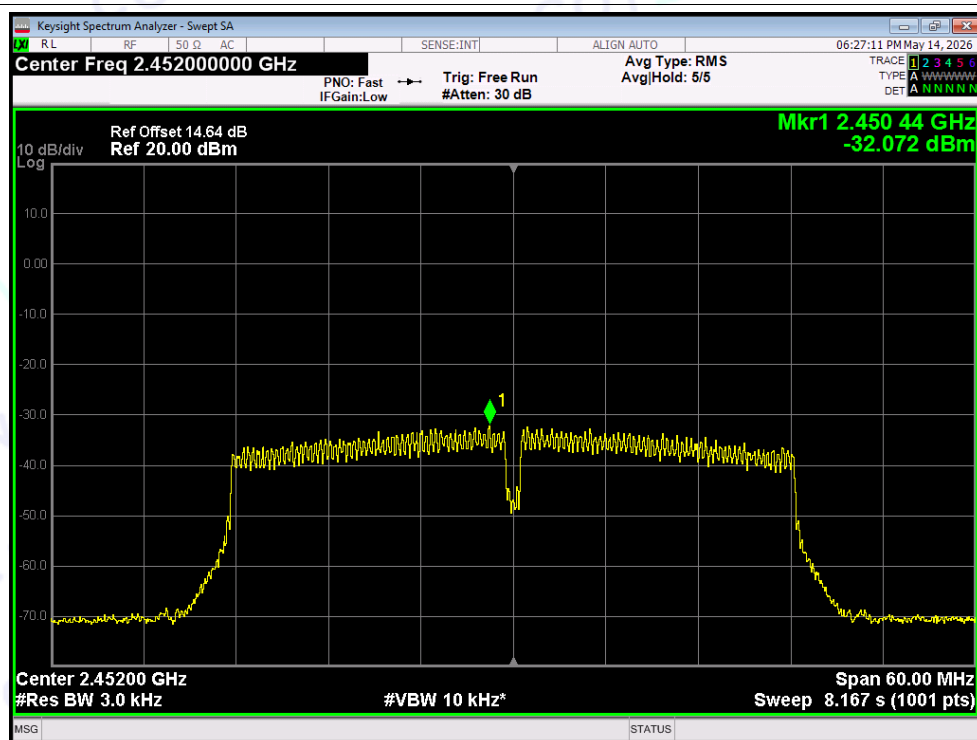
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



PSD NVNT n(HT40) 2452MHz Ant1

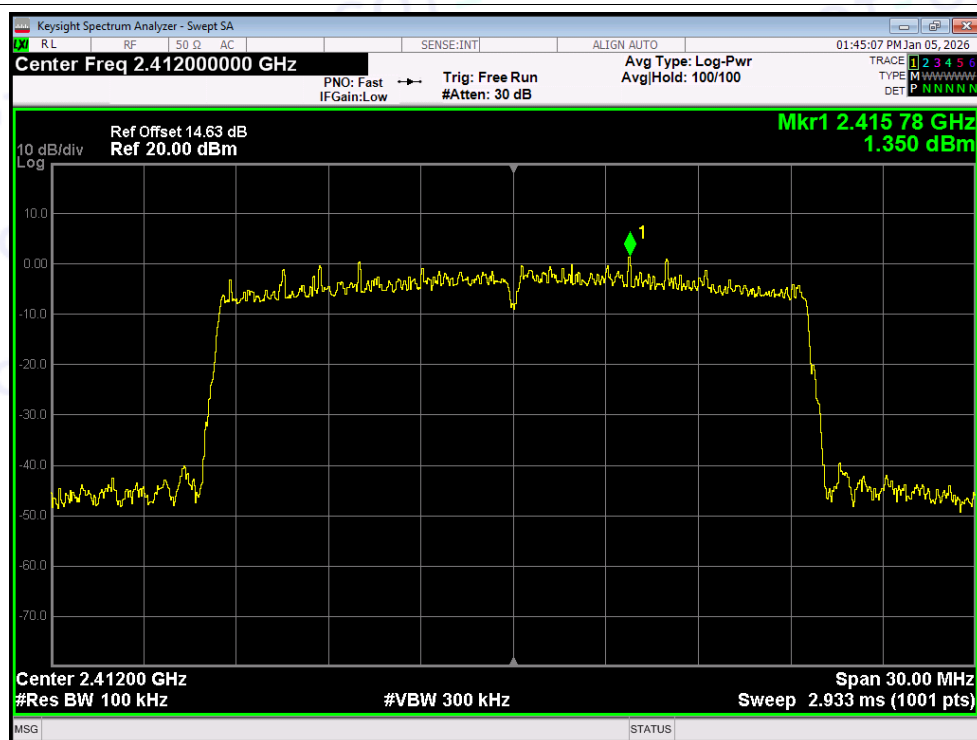


6. Band Edge

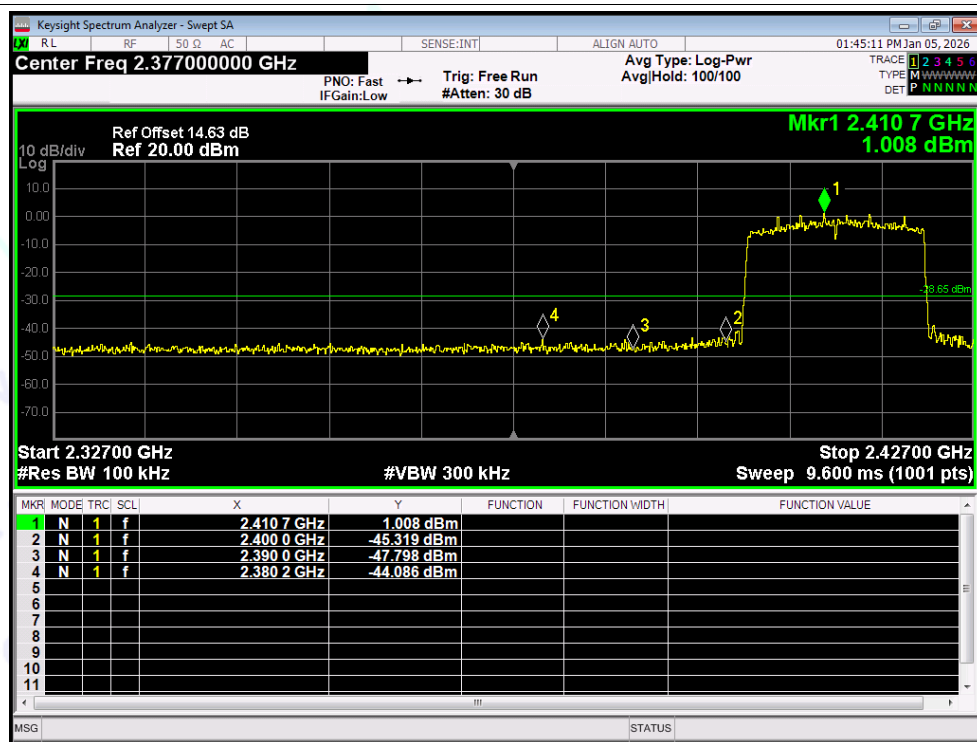
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-45.44	-30	Pass
NVNT	ax(VHT40)	2422	Ant1	-41.85	-30	Pass
NVNT	ax(VHT40)	2452	Ant1	-41.91	-30	Pass
NVNT	b	2412	Ant1	-51.03	-30	Pass
NVNT	b	2462	Ant1	-51.02	-30	Pass
NVNT	g	2412	Ant1	-46.29	-30	Pass
NVNT	g	2462	Ant1	-46.22	-30	Pass
NVNT	n(HT20)	2412	Ant1	-48.35	-30	Pass
NVNT	n(HT20)	2462	Ant1	-46.35	-30	Pass
NVNT	n(HT40)	2422	Ant1	-43.12	-30	Pass
NVNT	n(HT40)	2452	Ant1	-42.59	-30	Pass

Test Graphs

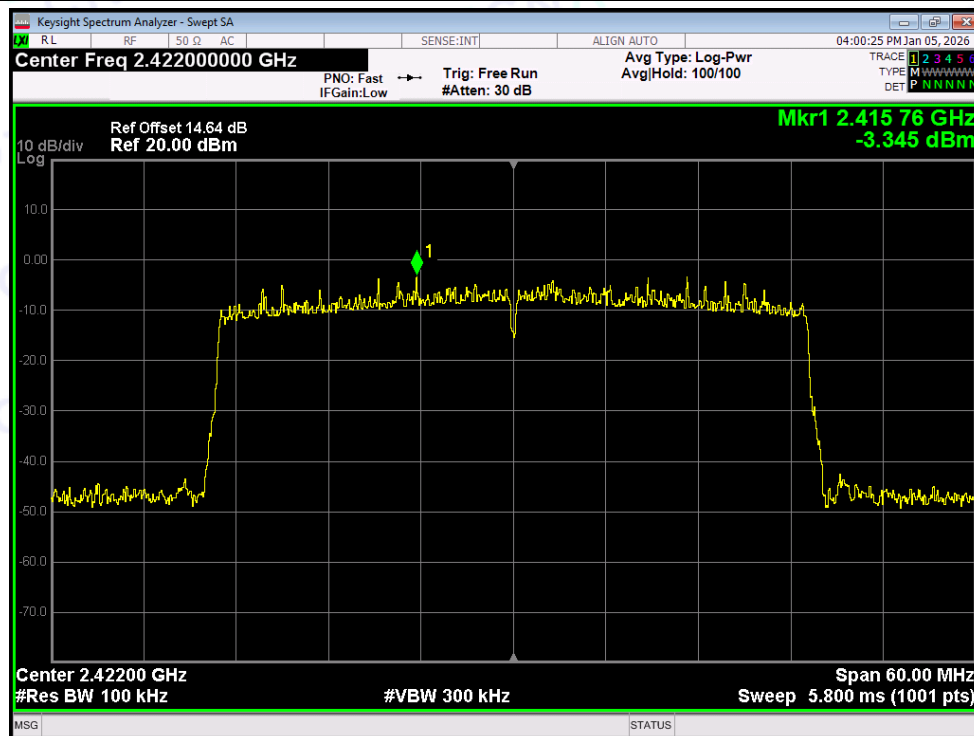
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Ref



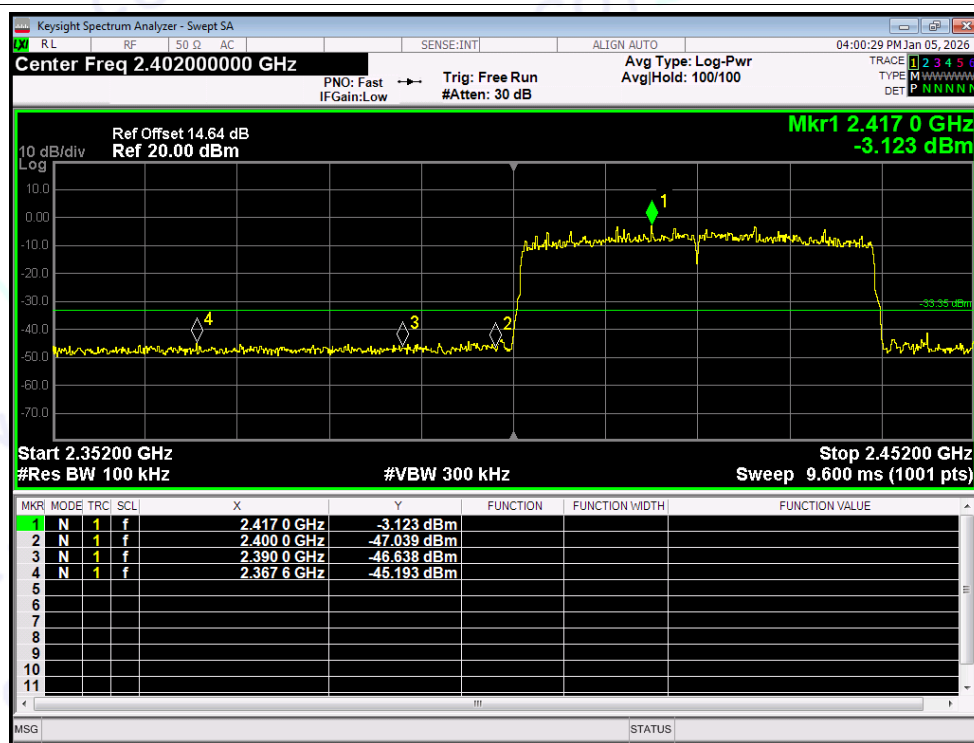
Band Edge NVNT ax(VHT20) 2412MHz Ant1 Emission



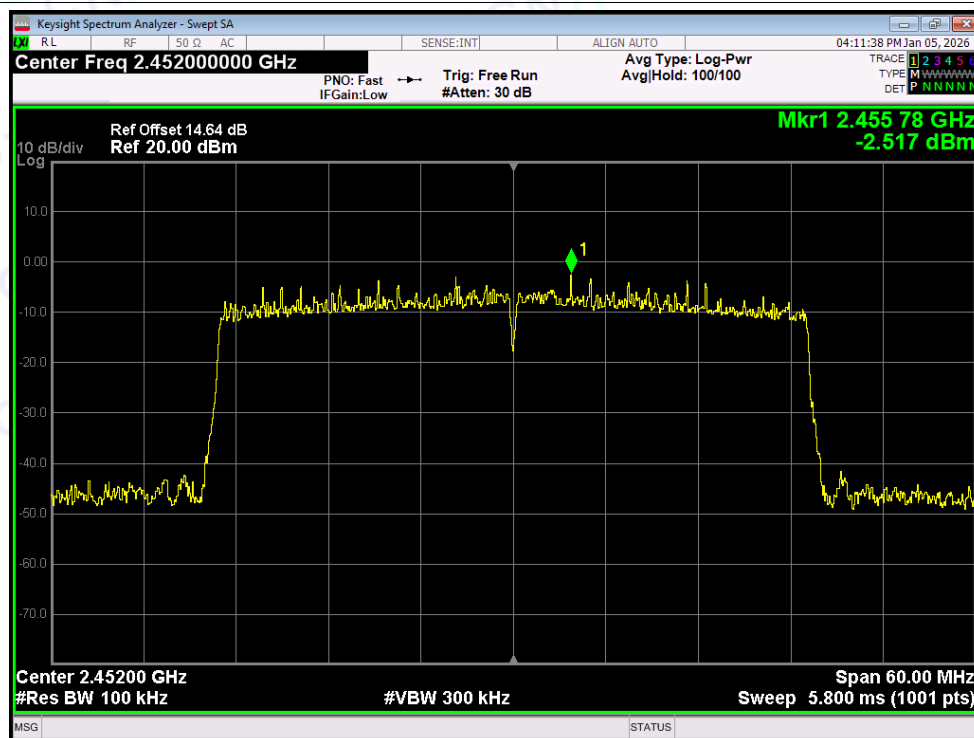
Band Edge NVNT ax(VHT40) 2422MHz Ant1 Ref



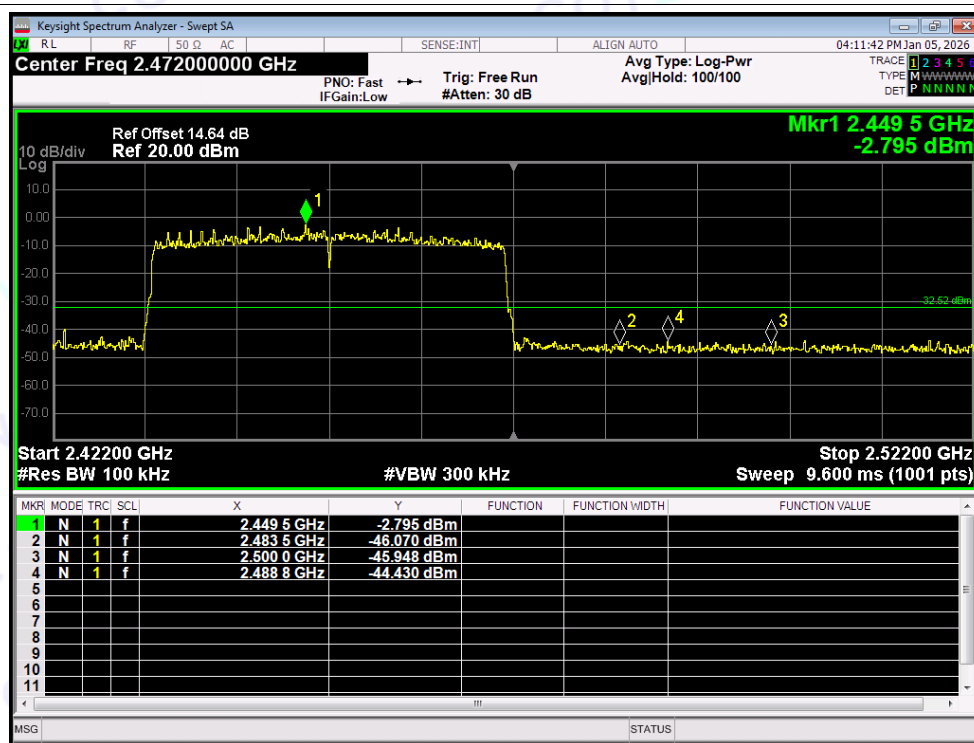
Band Edge NVNT ax(VHT40) 2422MHz Ant1 Emission



Band Edge NVNT ax(VHT40) 2452MHz Ant1 Ref



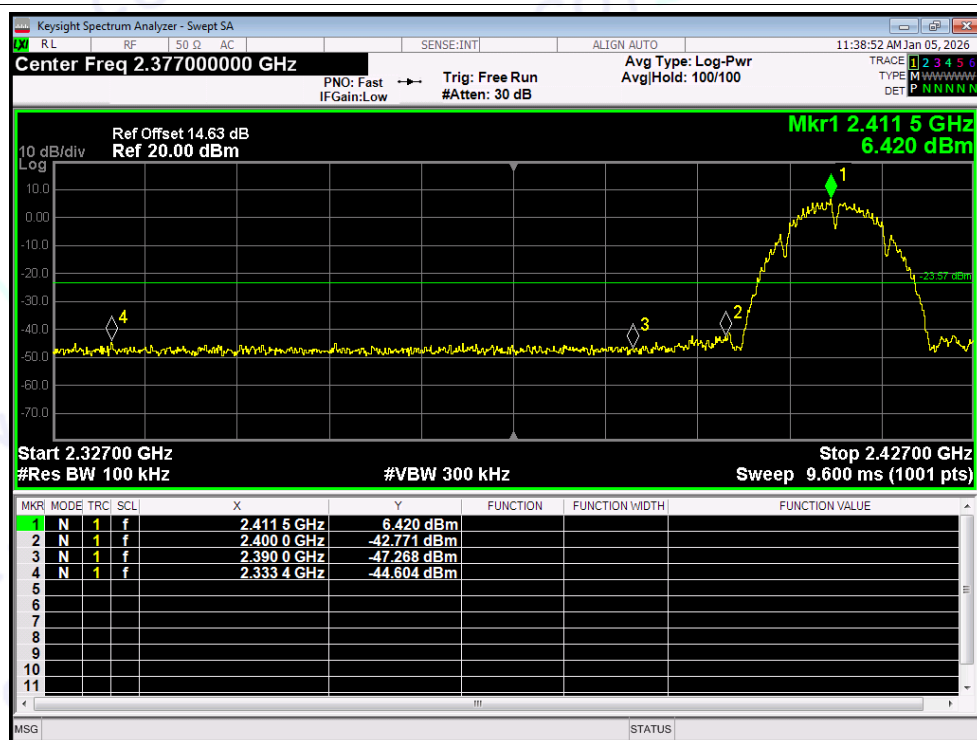
Band Edge NVNT ax(VHT40) 2452MHz Ant1 Emission



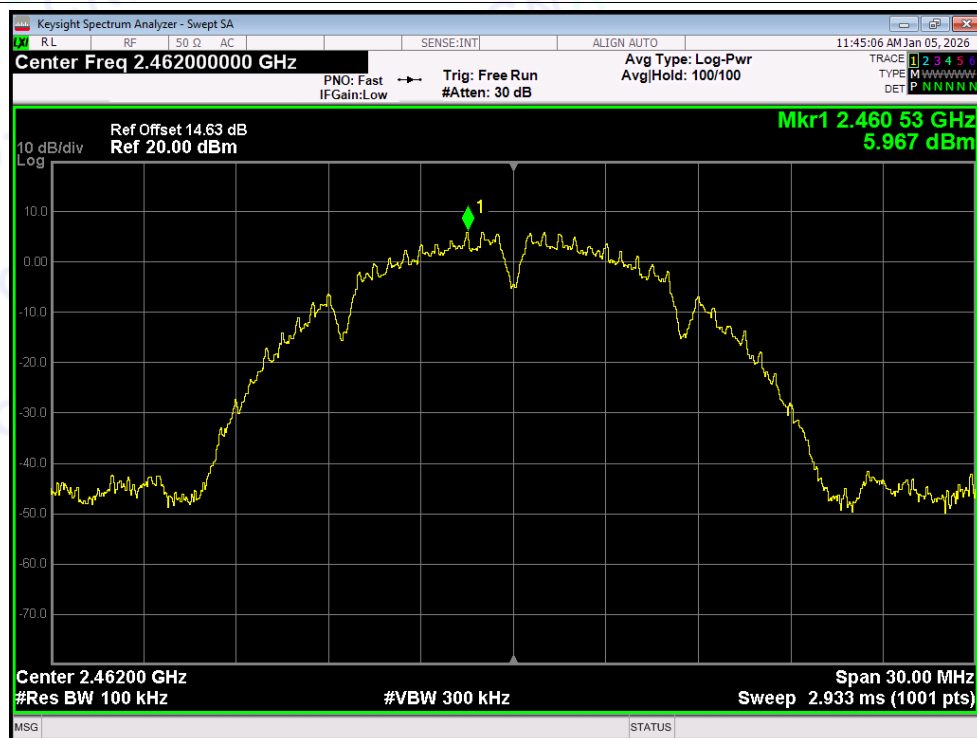
Band Edge NVNT b 2412MHz Ant1 Ref



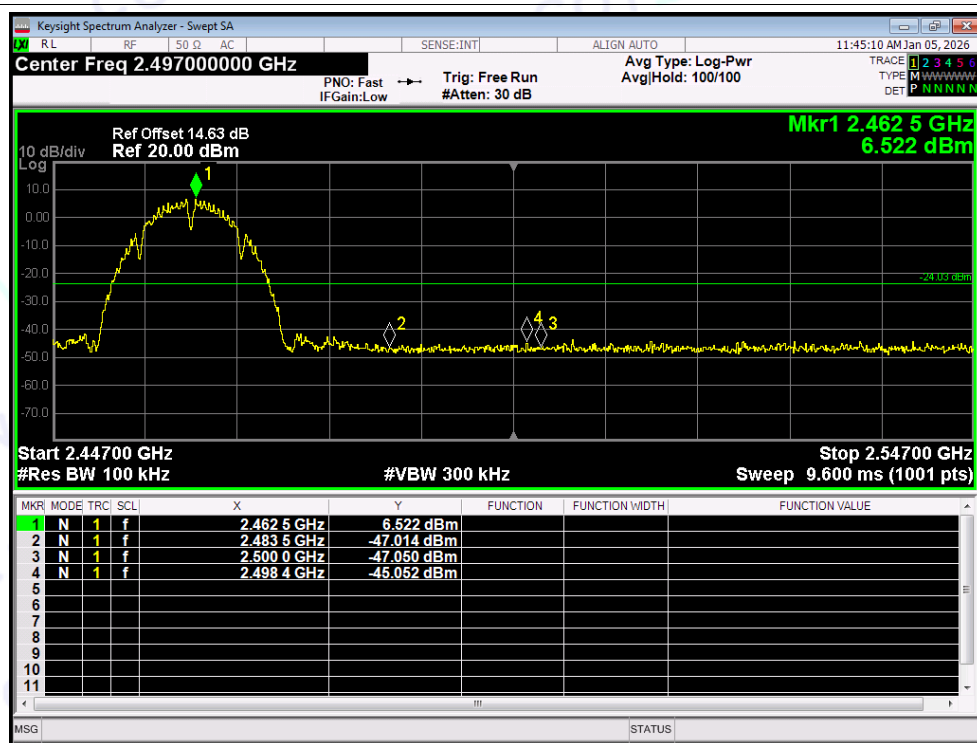
Band Edge NVNT b 2412MHz Ant1 Emission



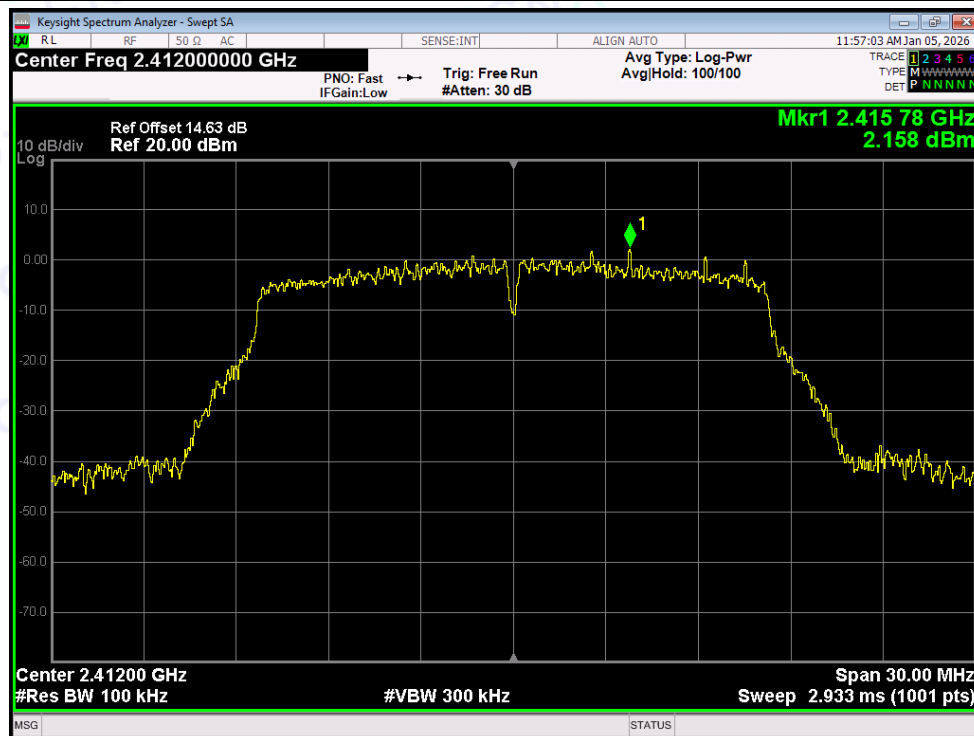
Band Edge NVNT b 2462MHz Ant1 Ref



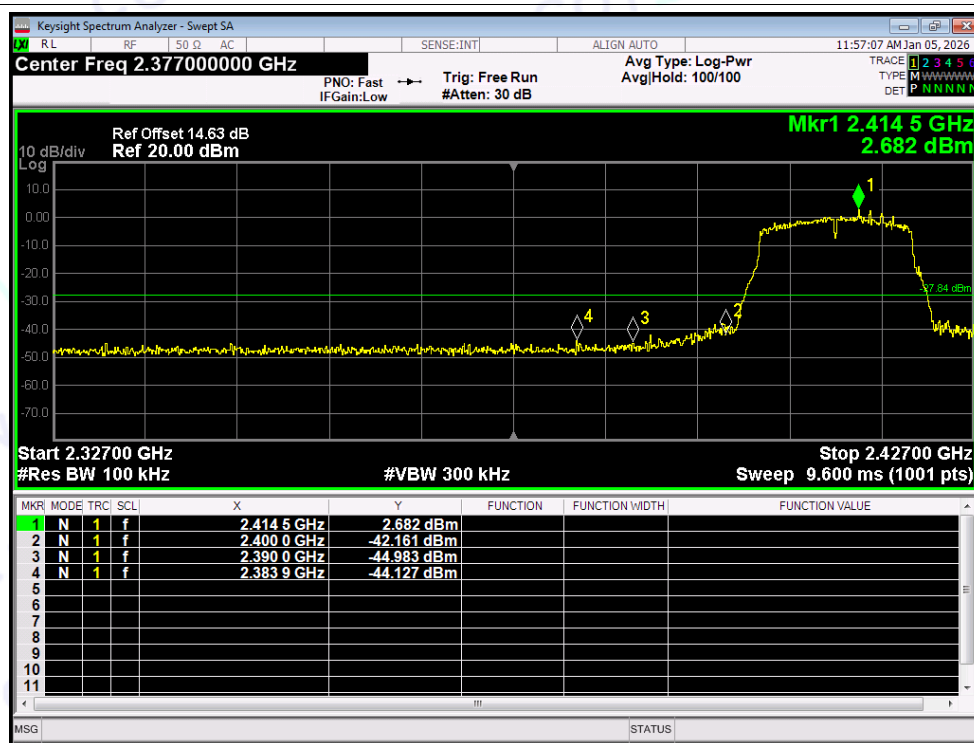
Band Edge NVNT b 2462MHz Ant1 Emission



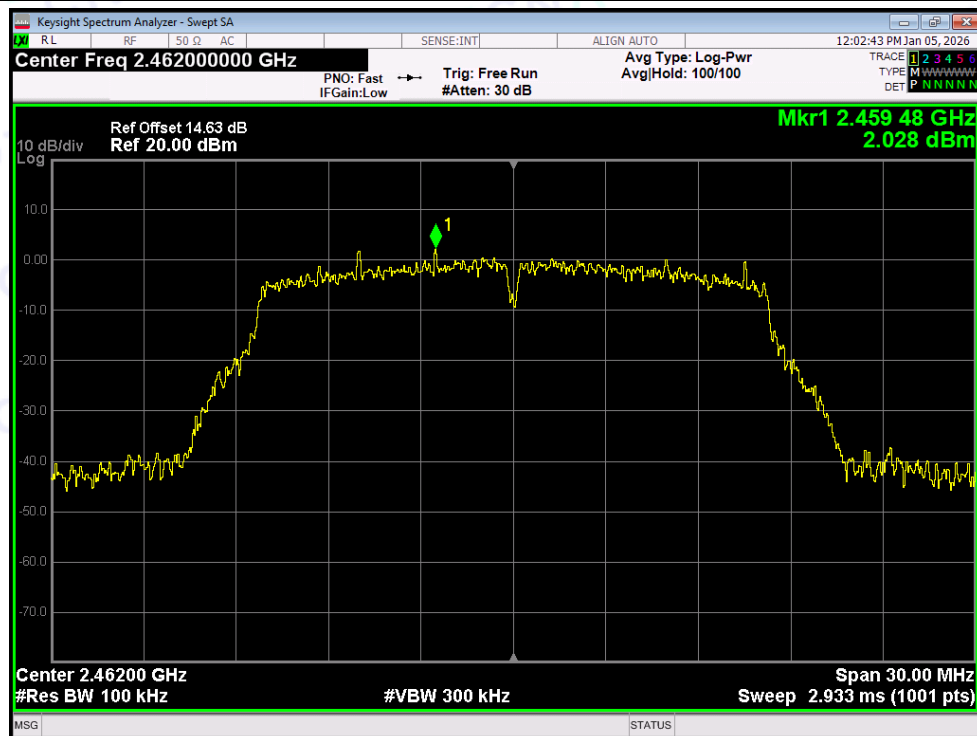
Band Edge NVNT g 2412MHz Ant1 Ref



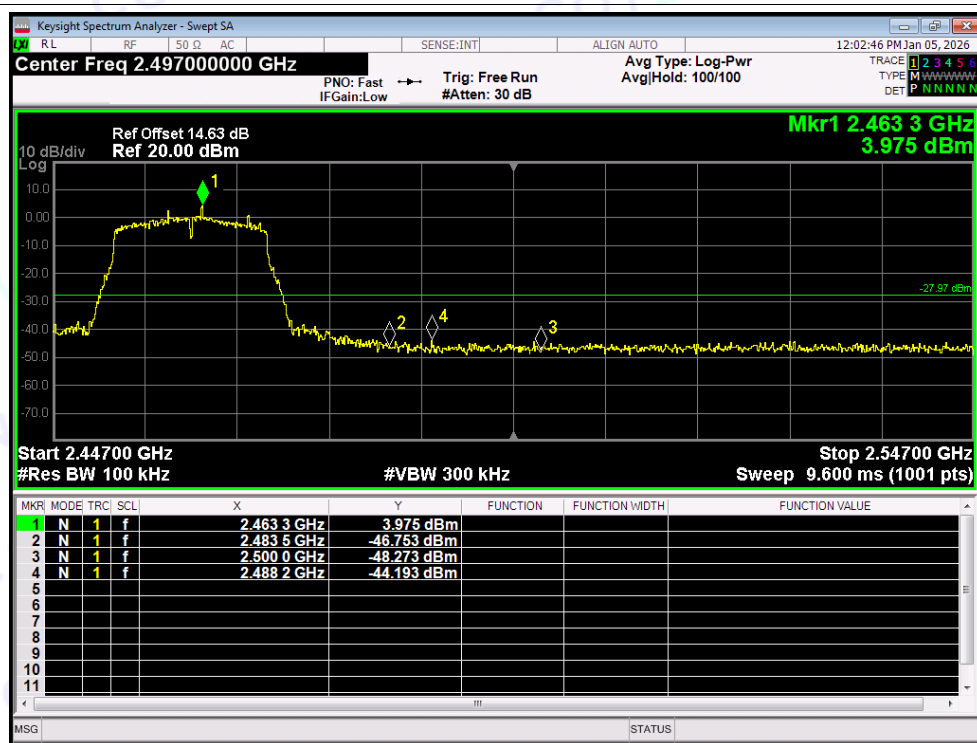
Band Edge NVNT g 2412MHz Ant1 Emission



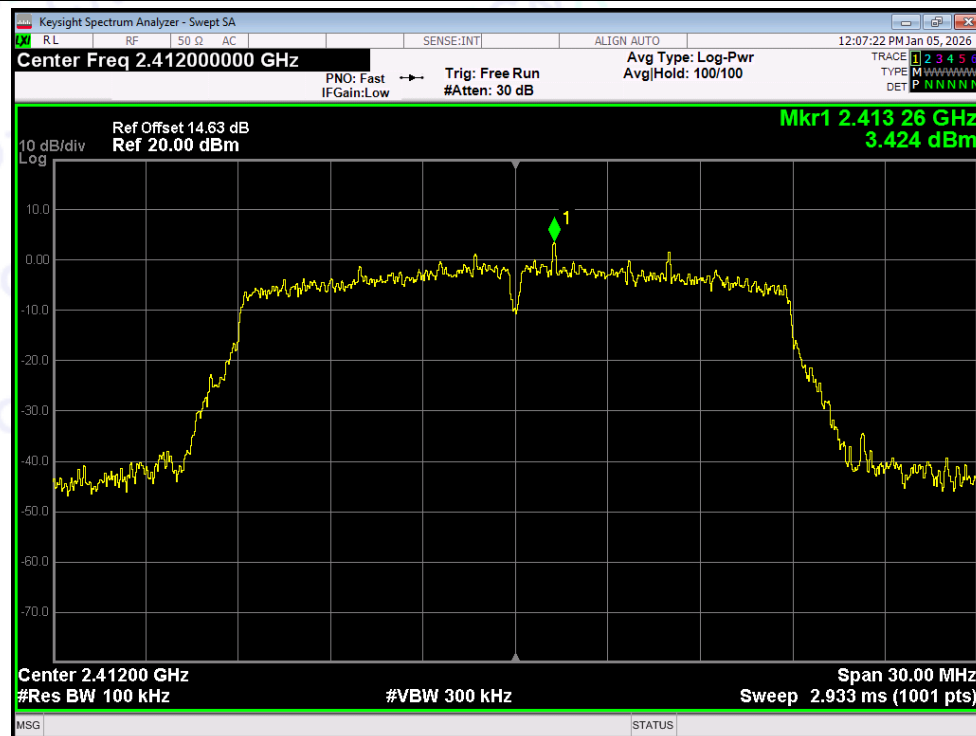
Band Edge NVNT g 2462MHz Ant1 Ref



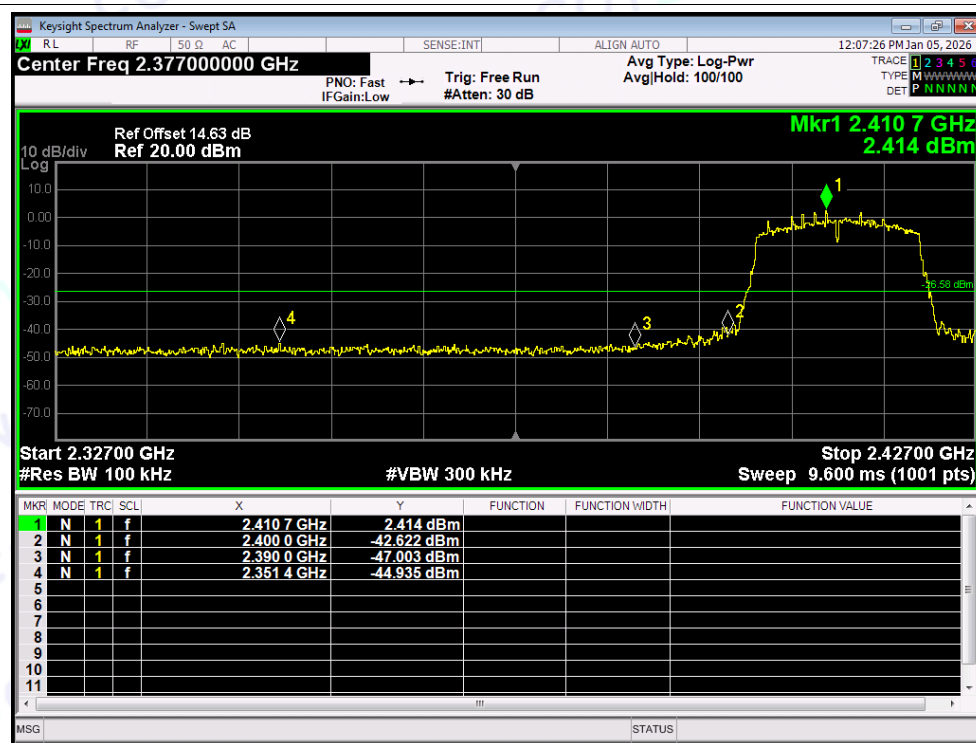
Band Edge NVNT g 2462MHz Ant1 Emission



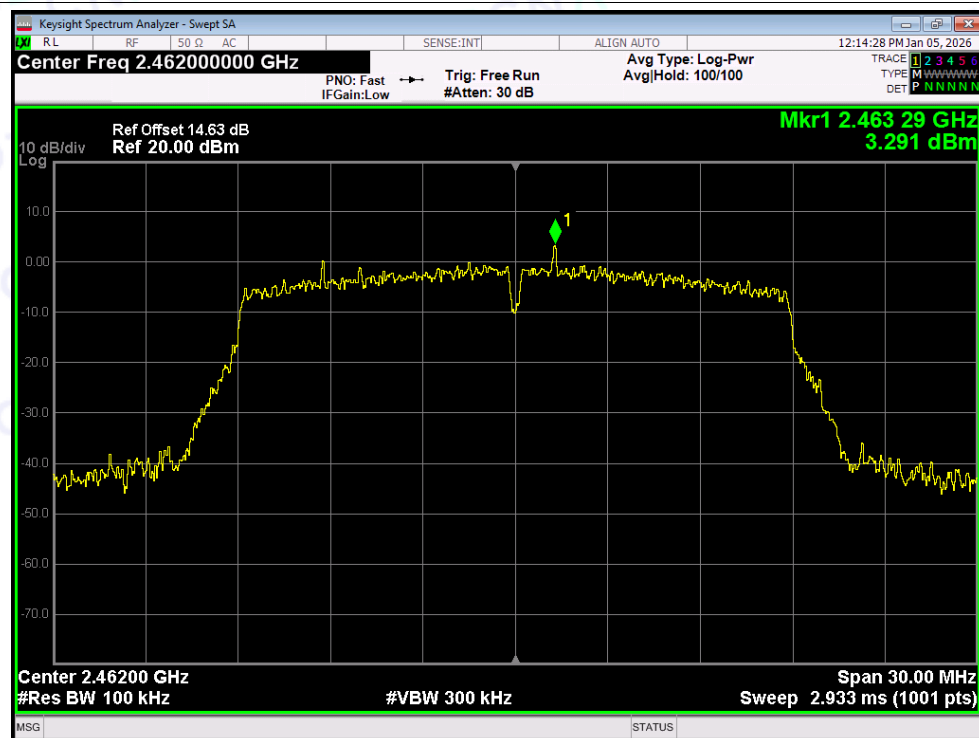
Band Edge NVNT n(HT20) 2412MHz Ant1 Ref



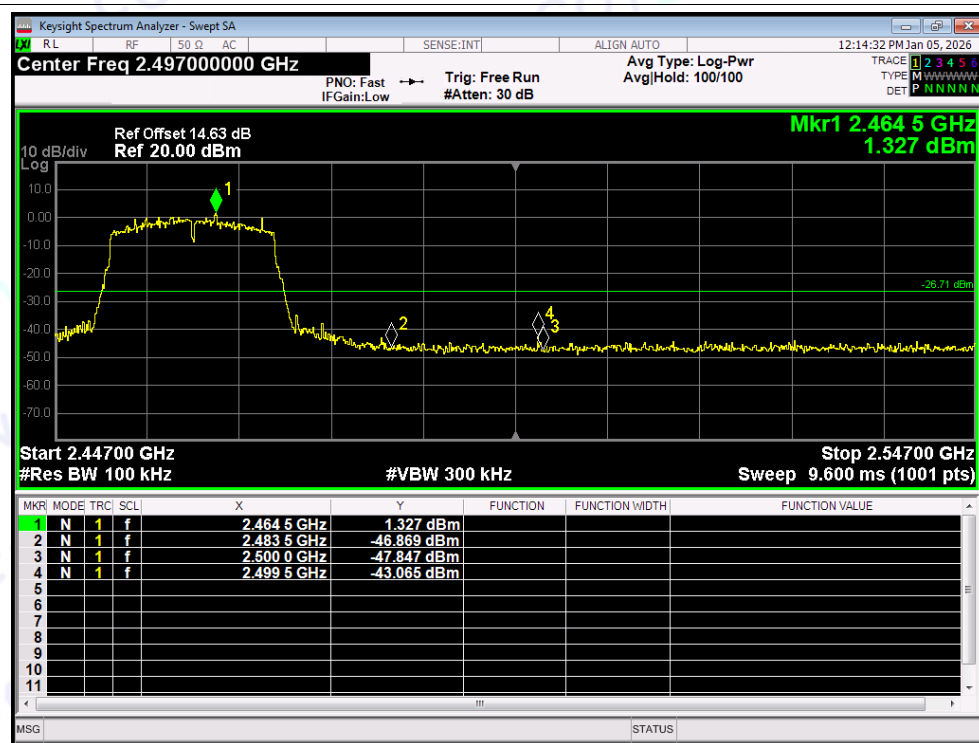
Band Edge NVNT n(HT20) 2412MHz Ant1 Emission



Band Edge NVNT n(HT20) 2462MHz Ant1 Ref



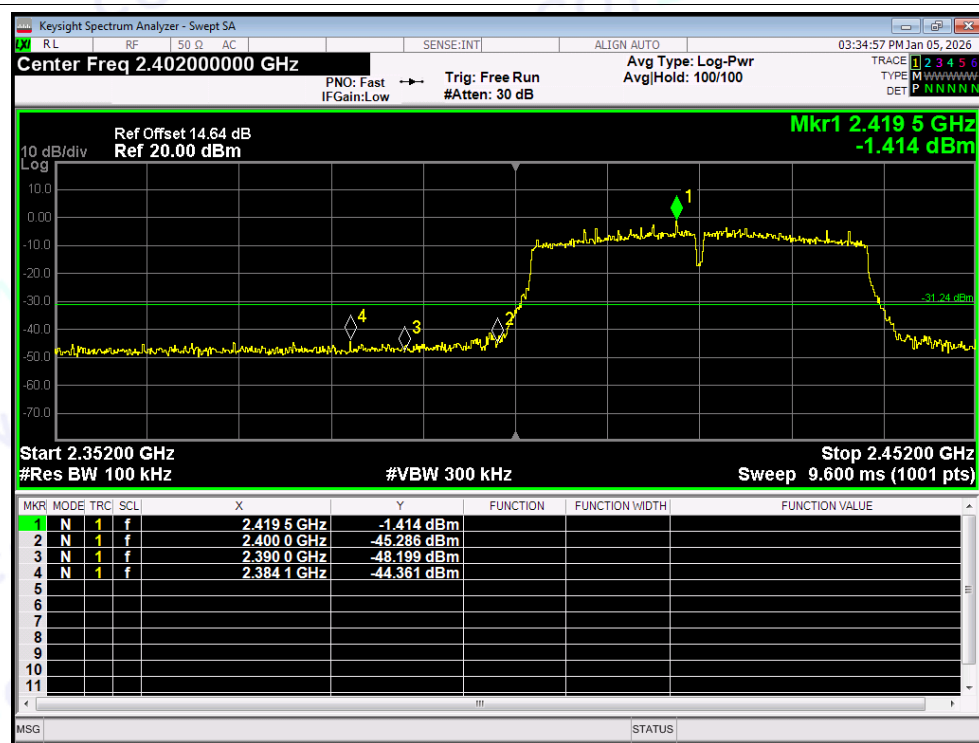
Band Edge NVNT n(HT20) 2462MHz Ant1 Emission



Band Edge NVNT n(HT40) 2422MHz Ant1 Ref



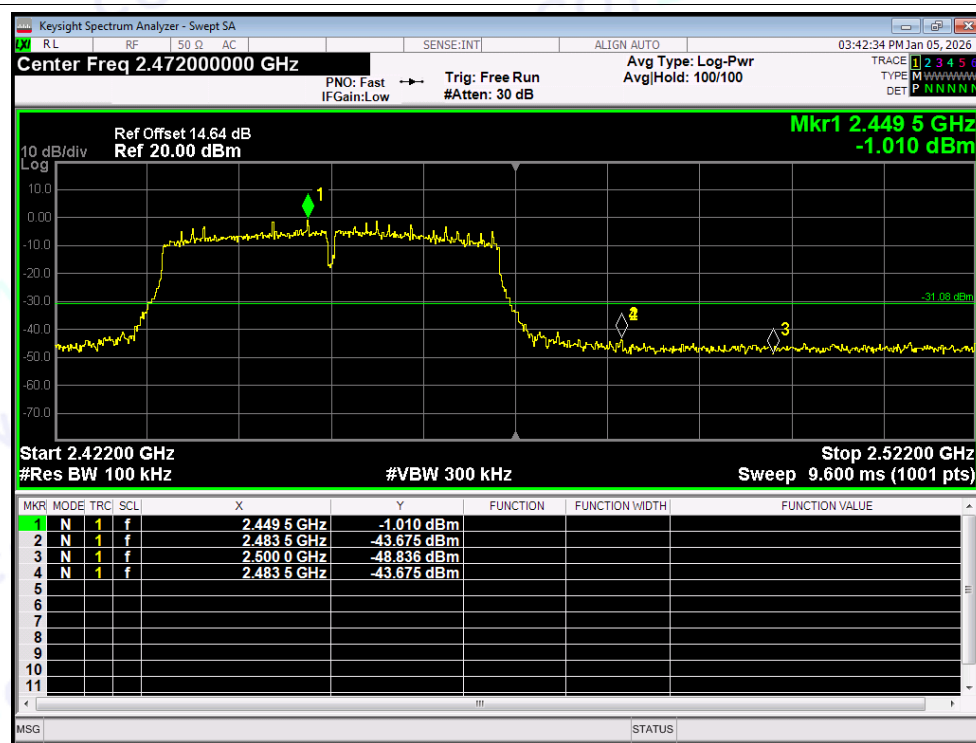
Band Edge NVNT n(HT40) 2422MHz Ant1 Emission



Band Edge NVNT n(HT40) 2452MHz Ant1 Ref



Band Edge NVNT n(HT40) 2452MHz Ant1 Emission

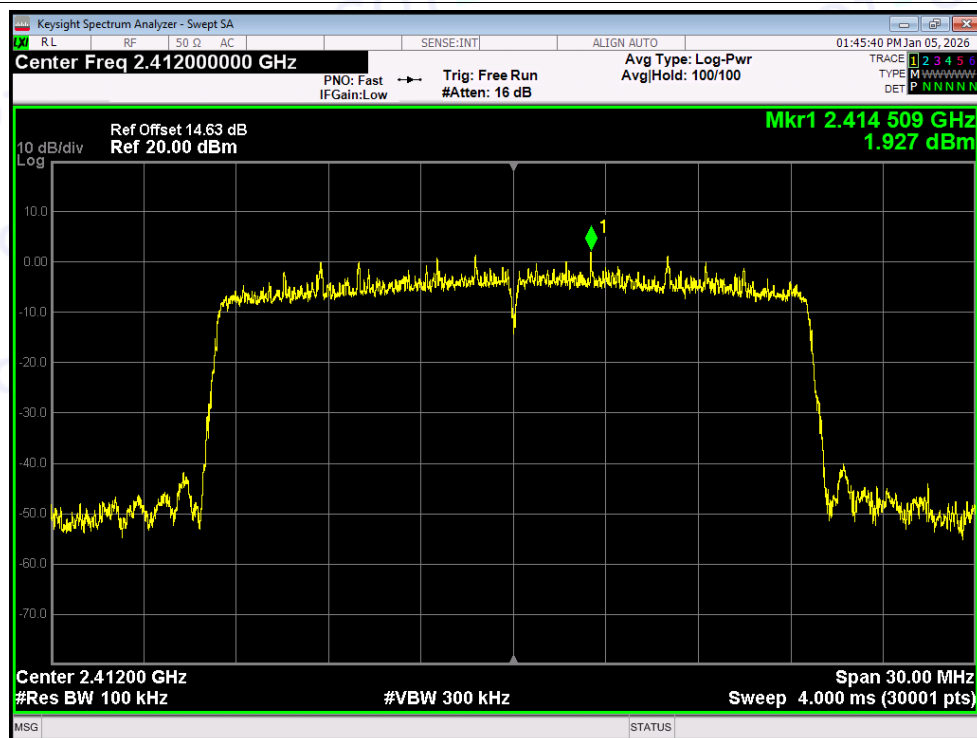


7. Conducted RF Spurious Emission

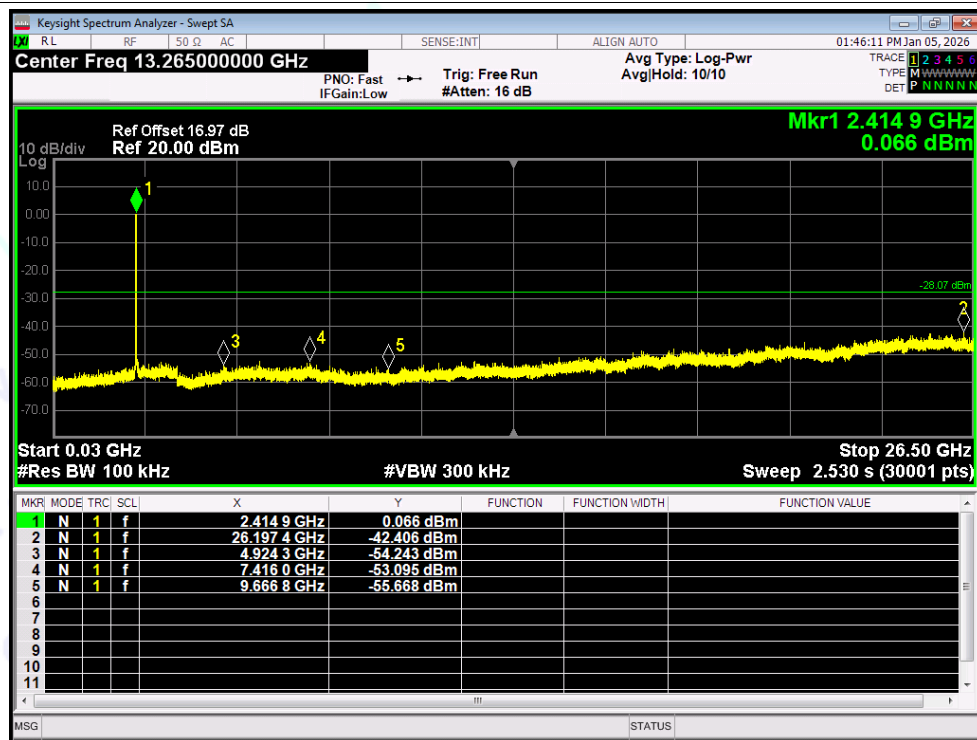
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ax(VHT20)	2412	Ant1	-44.34	-30	Pass
NVNT	ax(VHT20)	2437	Ant1	-43.98	-30	Pass
NVNT	ax(VHT40)	2422	Ant1	-40.45	-30	Pass
NVNT	ax(VHT40)	2437	Ant1	-40.74	-30	Pass
NVNT	ax(VHT40)	2452	Ant1	-40.12	-30	Pass
NVNT	b	2412	Ant1	-49.25	-30	Pass
NVNT	b	2437	Ant1	-49.3	-30	Pass
NVNT	b	2462	Ant1	-49.55	-30	Pass
NVNT	g	2412	Ant1	-45.62	-30	Pass
NVNT	g	2437	Ant1	-44.89	-30	Pass
NVNT	g	2462	Ant1	-44.45	-30	Pass
NVNT	n(HT20)	2412	Ant1	-44.79	-30	Pass
NVNT	n(HT20)	2437	Ant1	-45.15	-30	Pass
NVNT	n(HT20)	2462	Ant1	-44.99	-30	Pass
NVNT	n(HT40)	2422	Ant1	-41.71	-30	Pass
NVNT	n(HT40)	2437	Ant1	-41.51	-30	Pass
NVNT	n(HT40)	2452	Ant1	-42.28	-30	Pass

Test Graphs

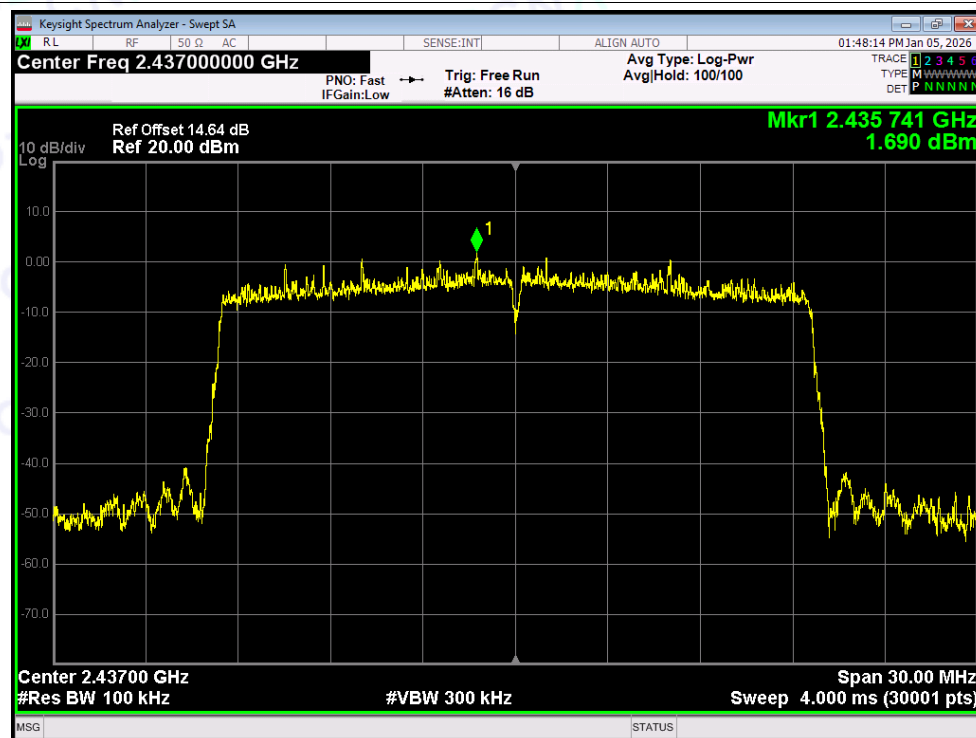
Tx. Spurious NVNT ax(VHT20) 2412MHz Ant1 Ref



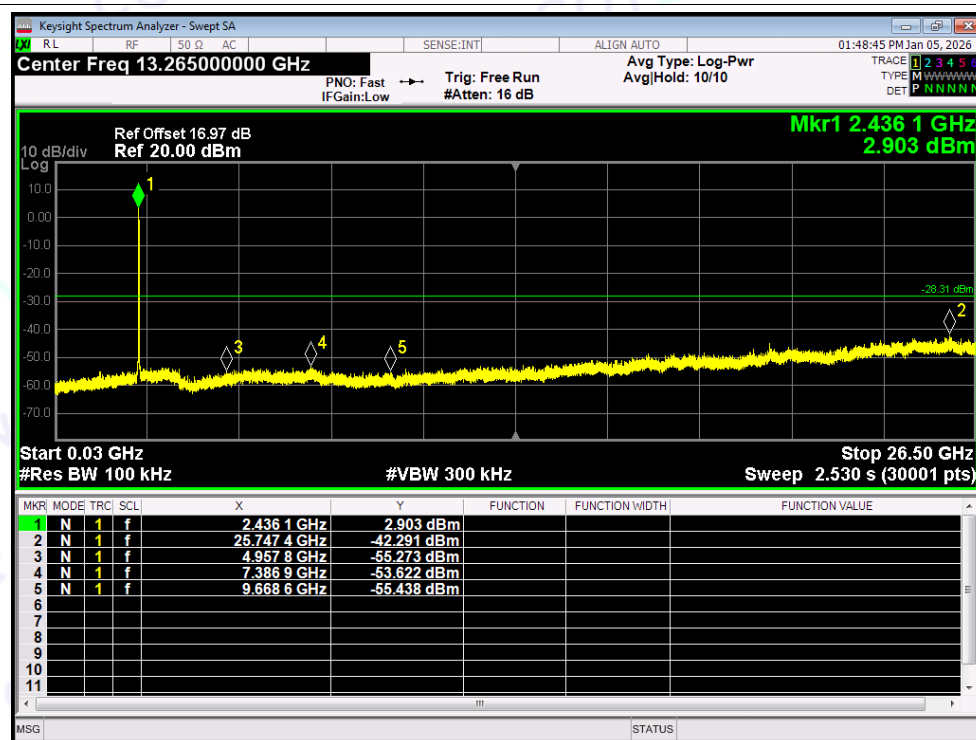
Tx. Spurious NVNT ax(VHT20) 2412MHz Ant1 Emission



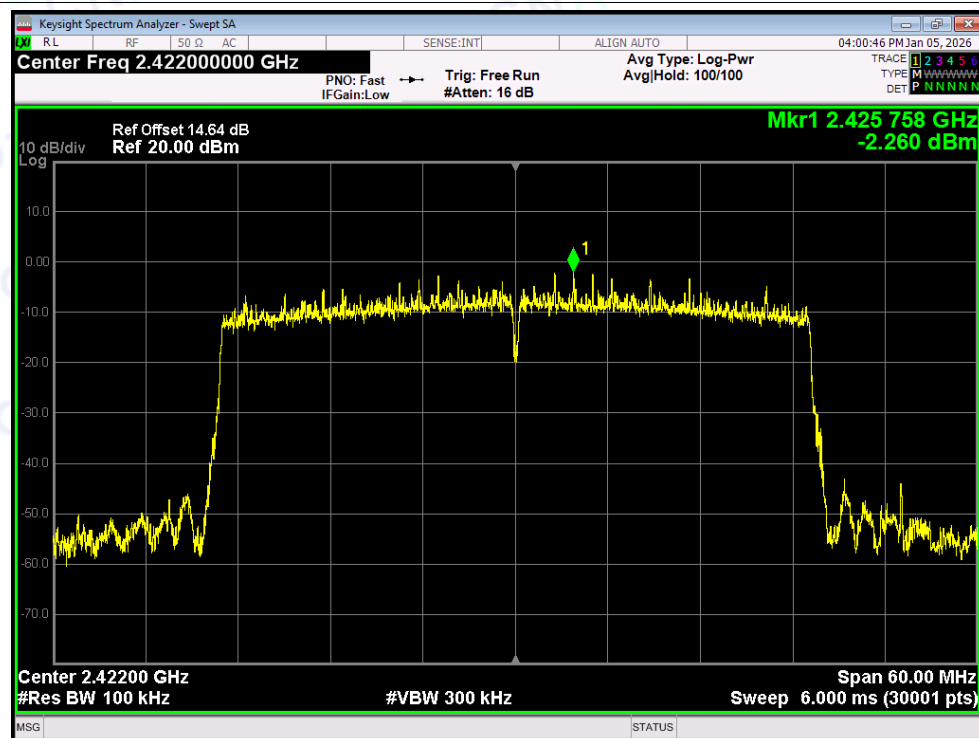
Tx. Spurious NVNT ax(VHT20) 2437MHz Ant1 Ref



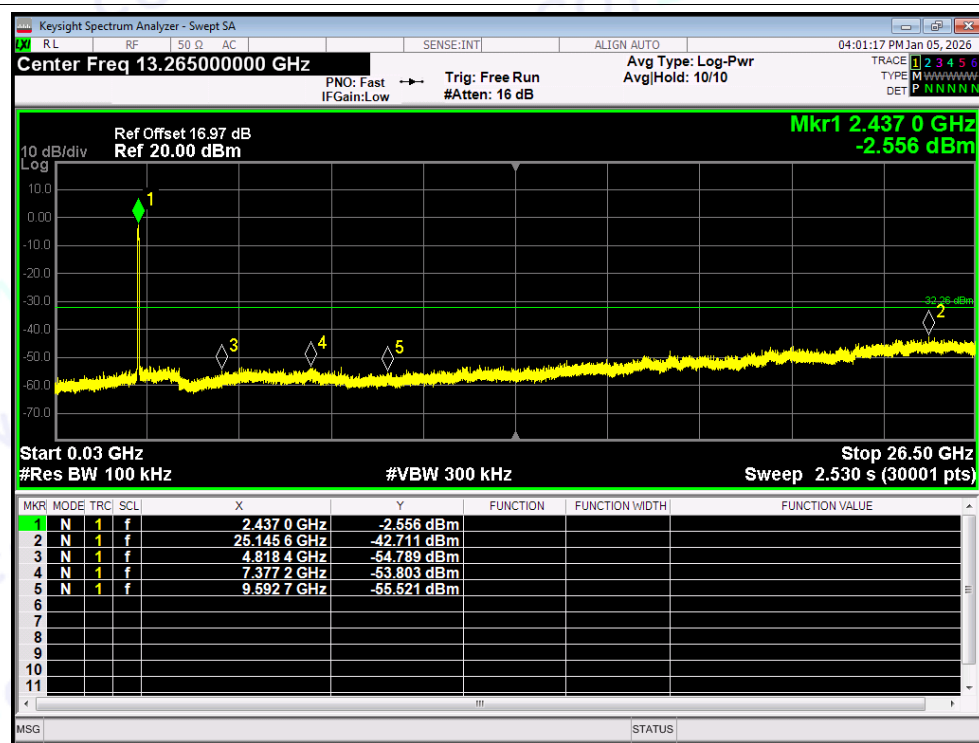
Tx. Spurious NVNT ax(VHT20) 2437MHz Ant1 Emission



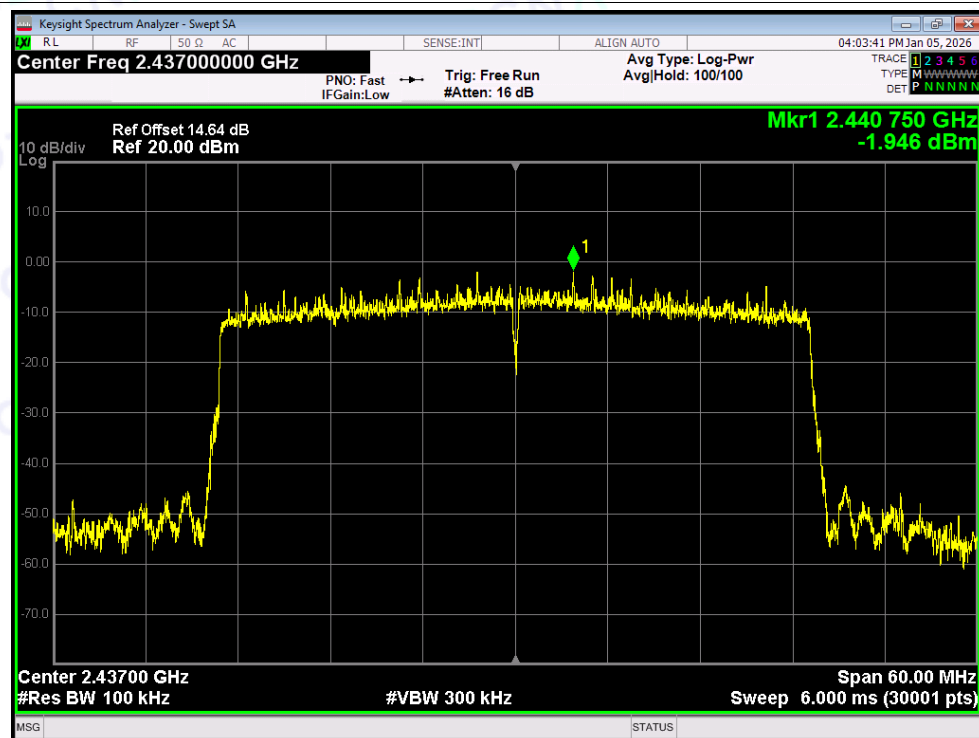
Tx. Spurious NVNT ax(VHT40) 2422MHz Ant1 Ref



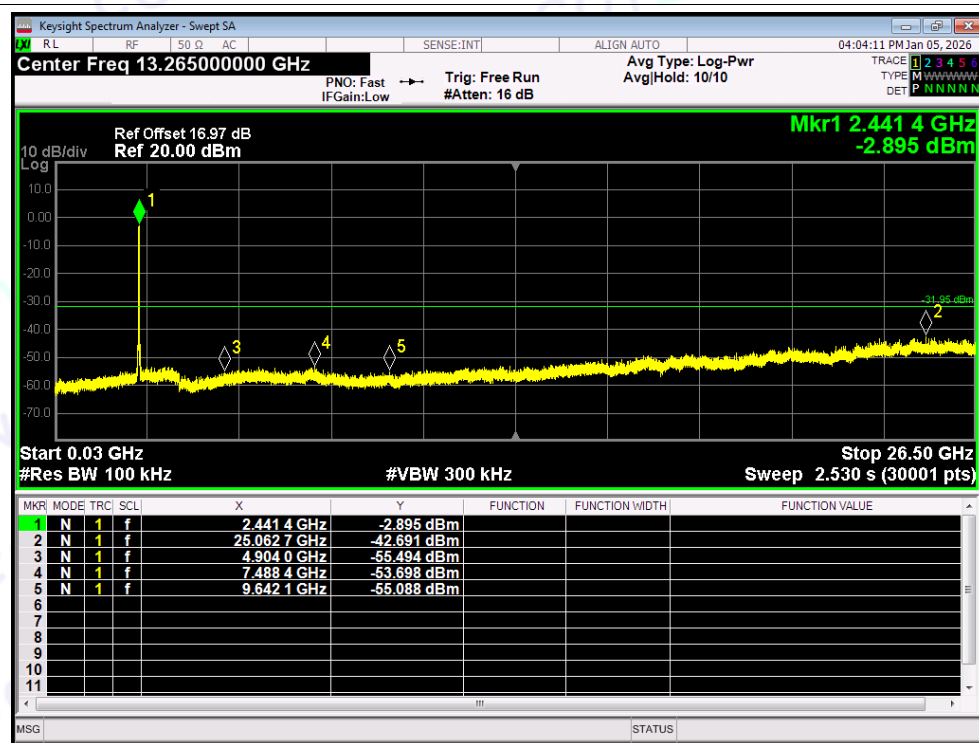
Tx. Spurious NVNT ax(VHT40) 2422MHz Ant1 Emission



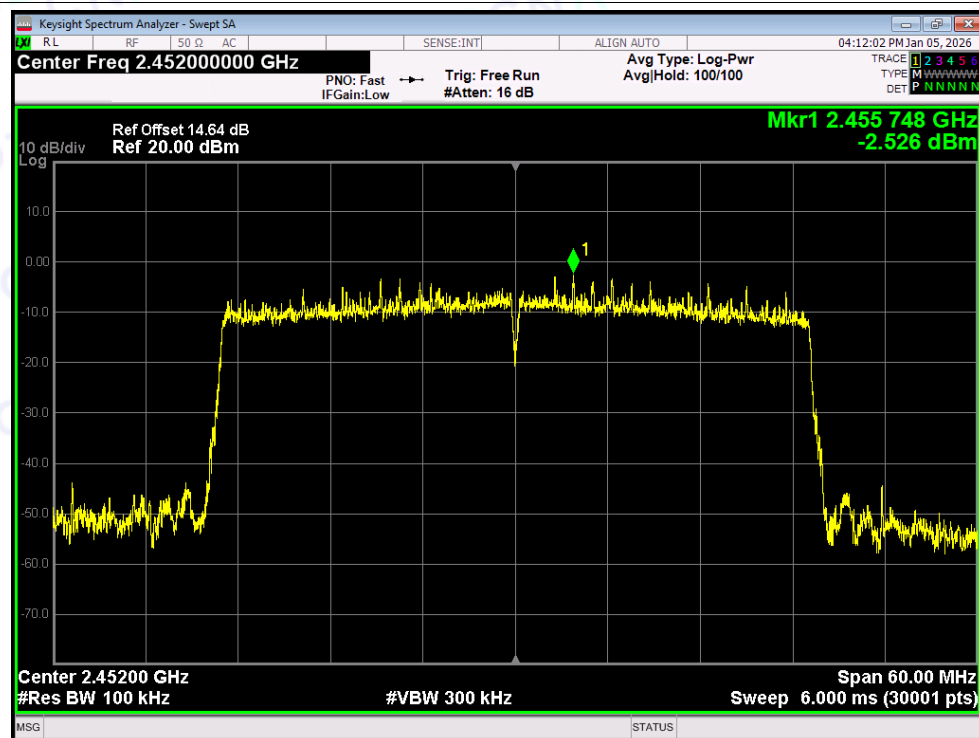
Tx. Spurious NVNT ax(VHT40) 2437MHz Ant1 Ref



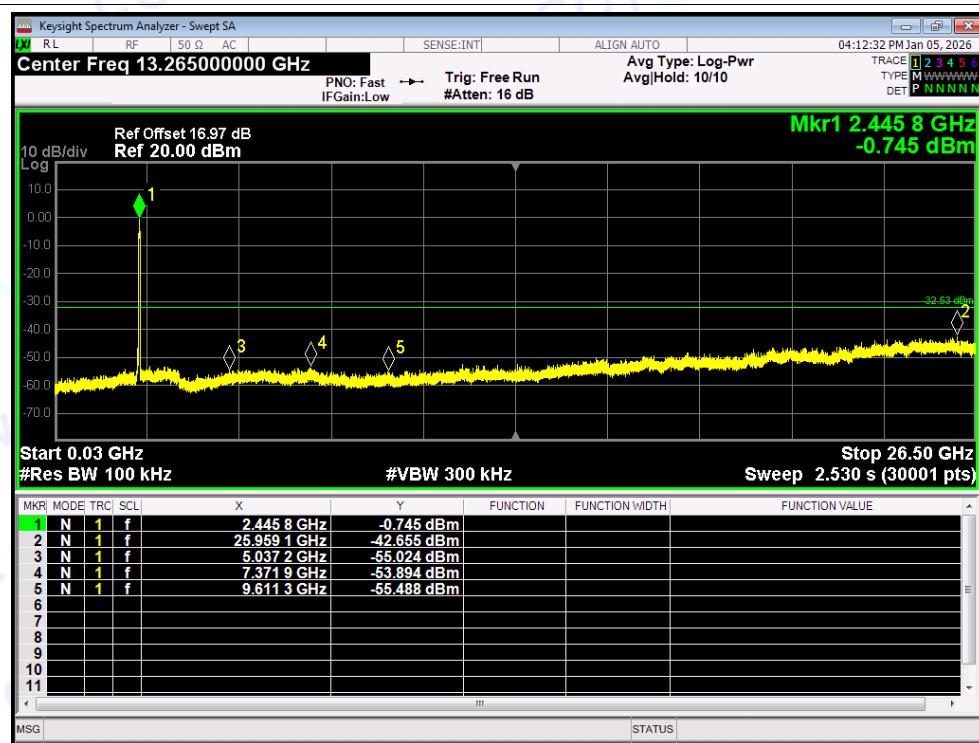
Tx. Spurious NVNT ax(VHT40) 2437MHz Ant1 Emission



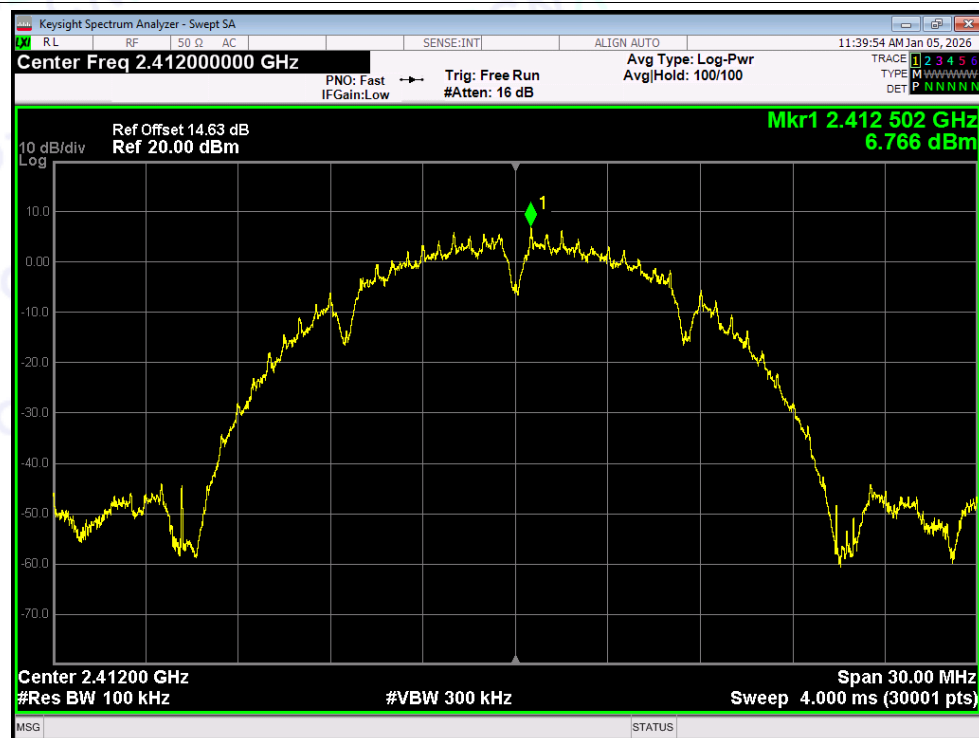
Tx. Spurious NVNT ax(VHT40) 2452MHz Ant1 Ref



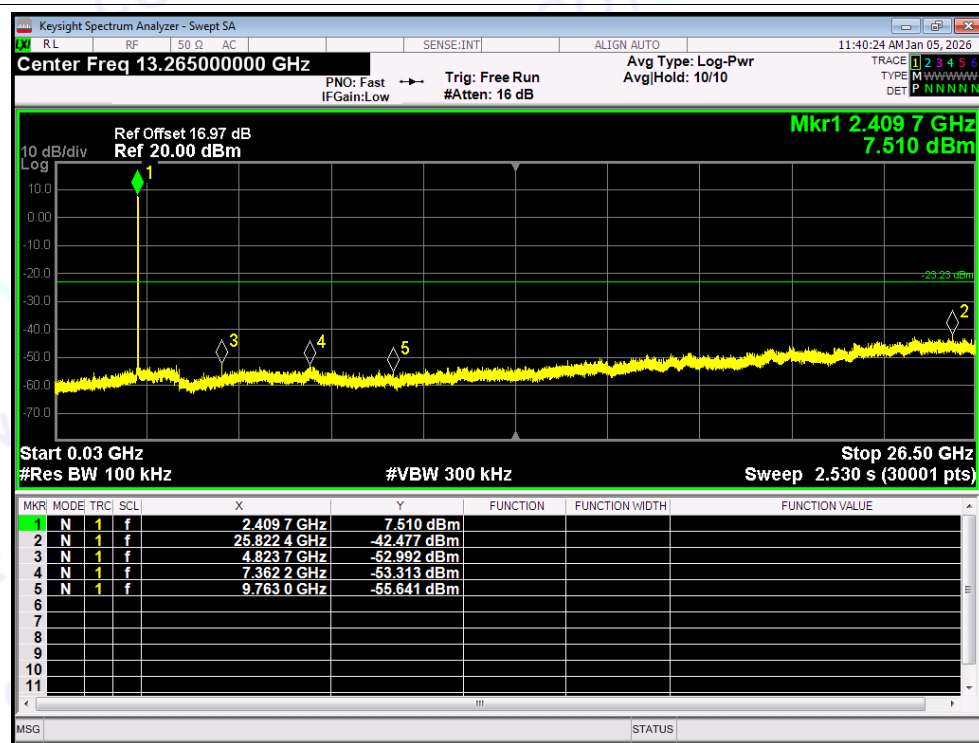
Tx. Spurious NVNT ax(VHT40) 2452MHz Ant1 Emission



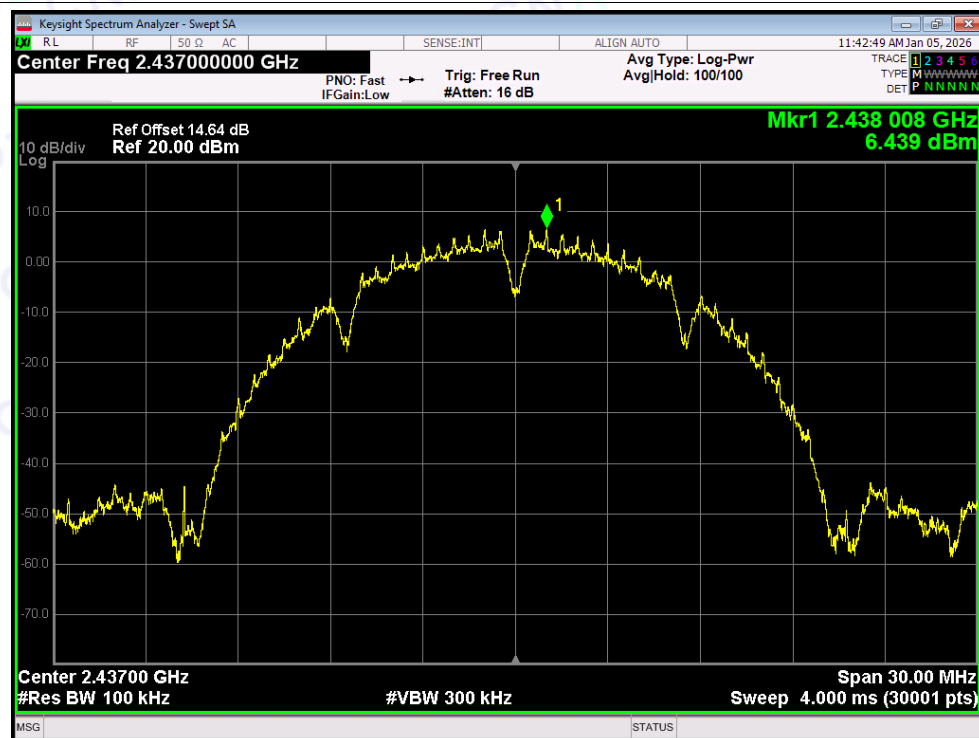
Tx. Spurious NVNT b 2412MHz Ant1 Ref



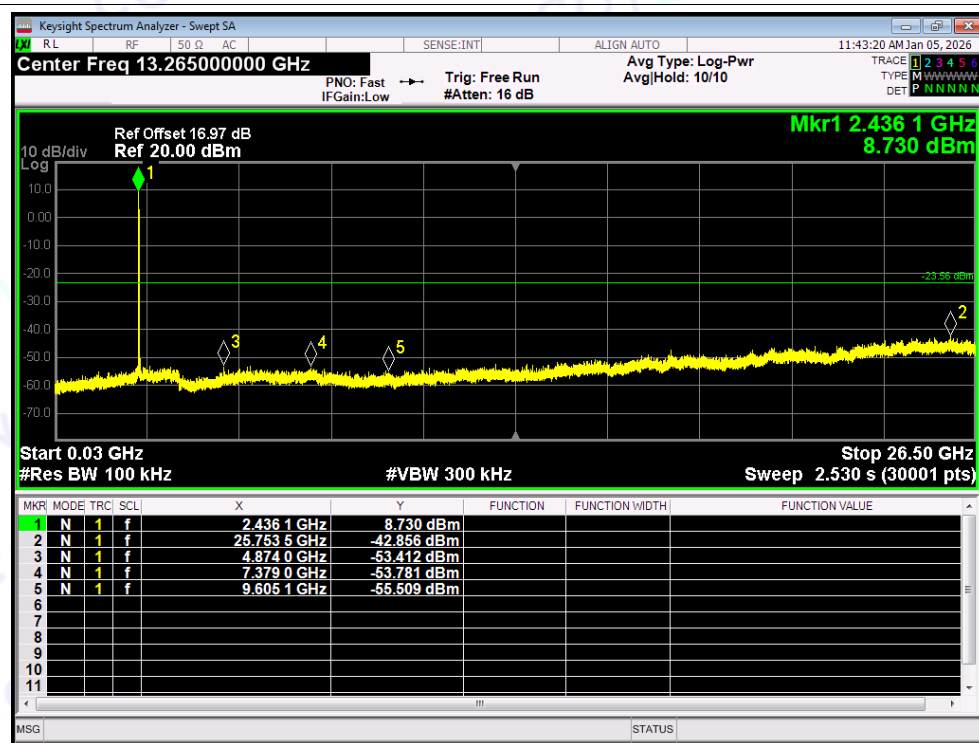
Tx. Spurious NVNT b 2412MHz Ant1 Emission



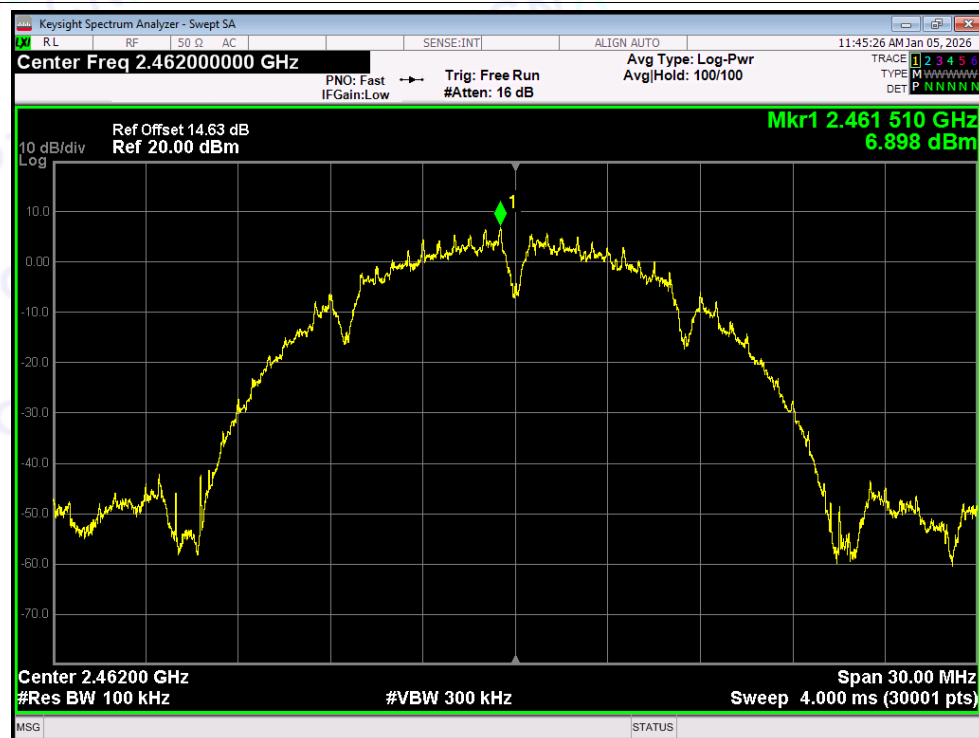
Tx. Spurious NVNT b 2437MHz Ant1 Ref



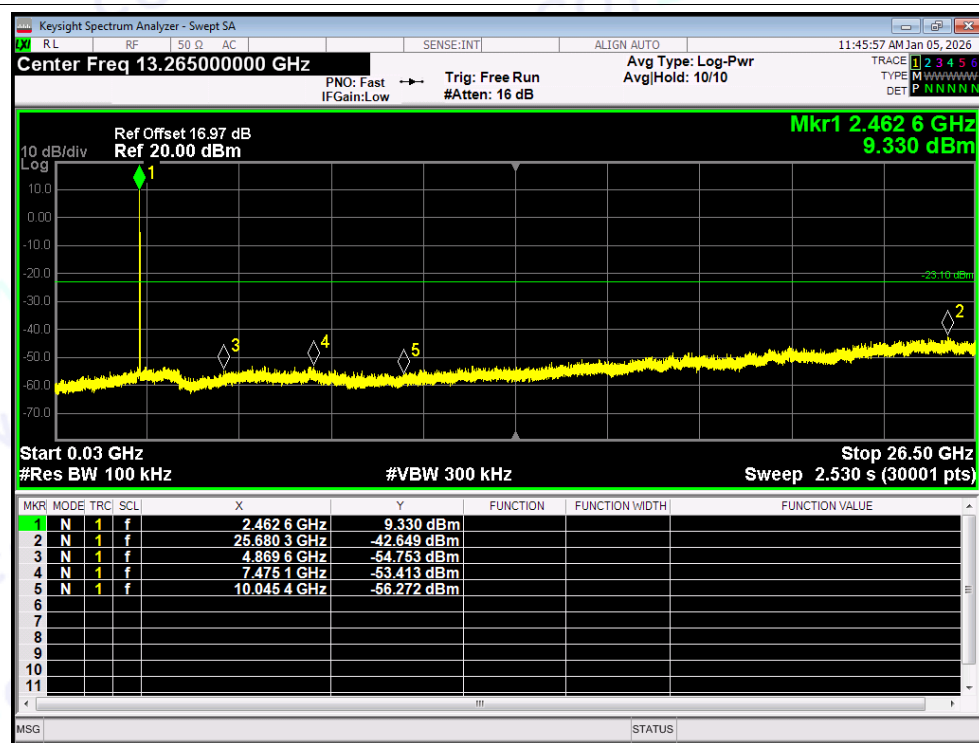
Tx. Spurious NVNT b 2437MHz Ant1 Emission



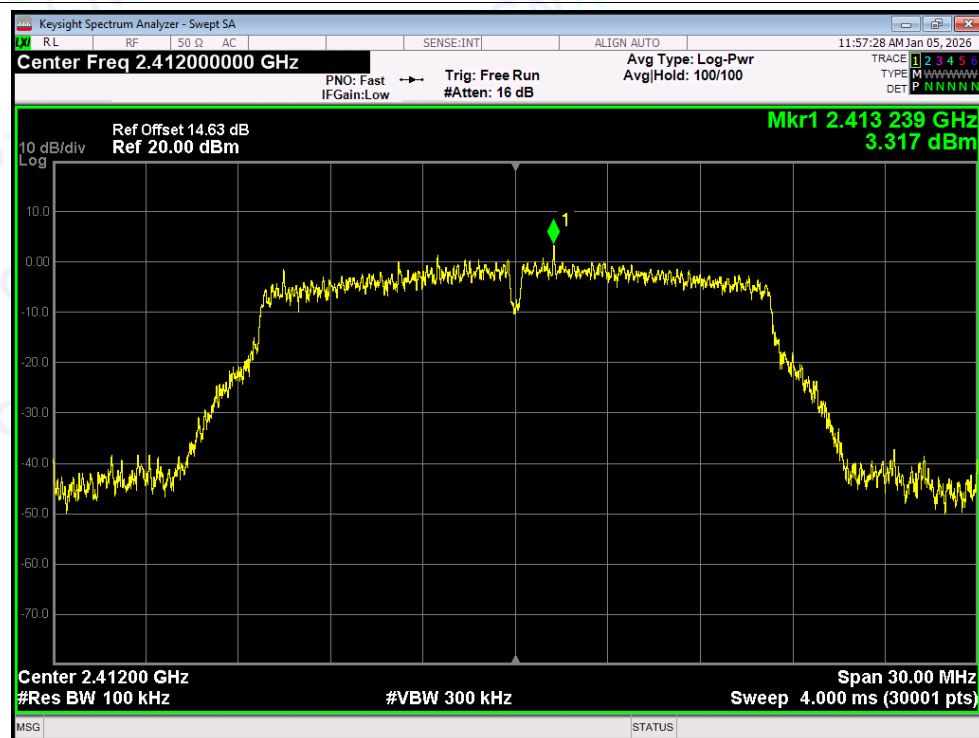
Tx. Spurious NVNT b 2462MHz Ant1 Ref



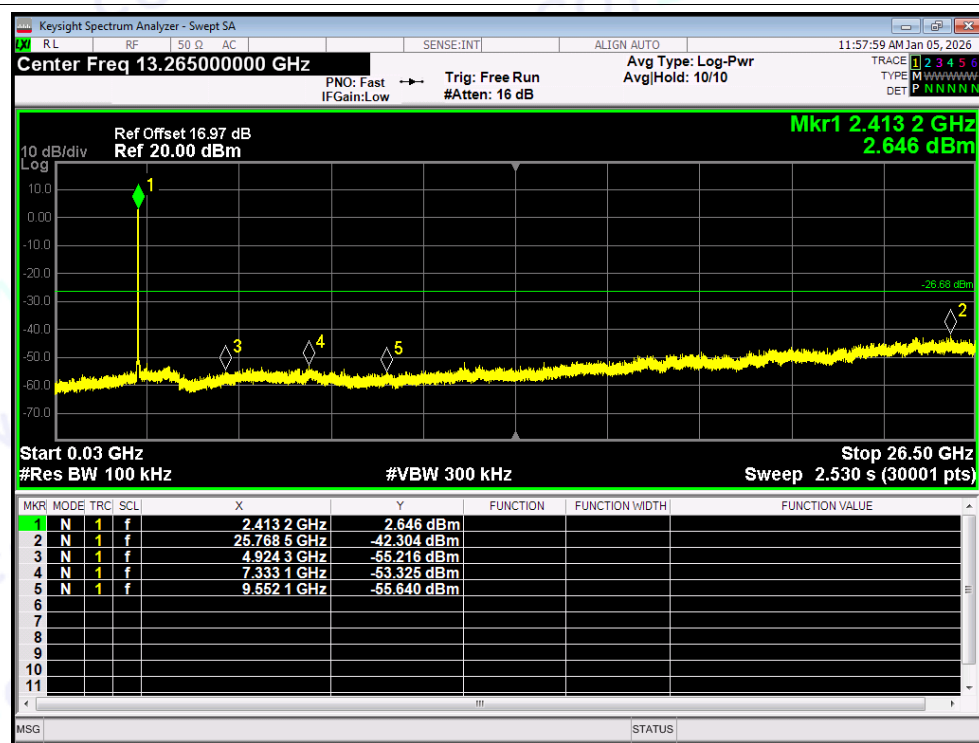
Tx. Spurious NVNT b 2462MHz Ant1 Emission



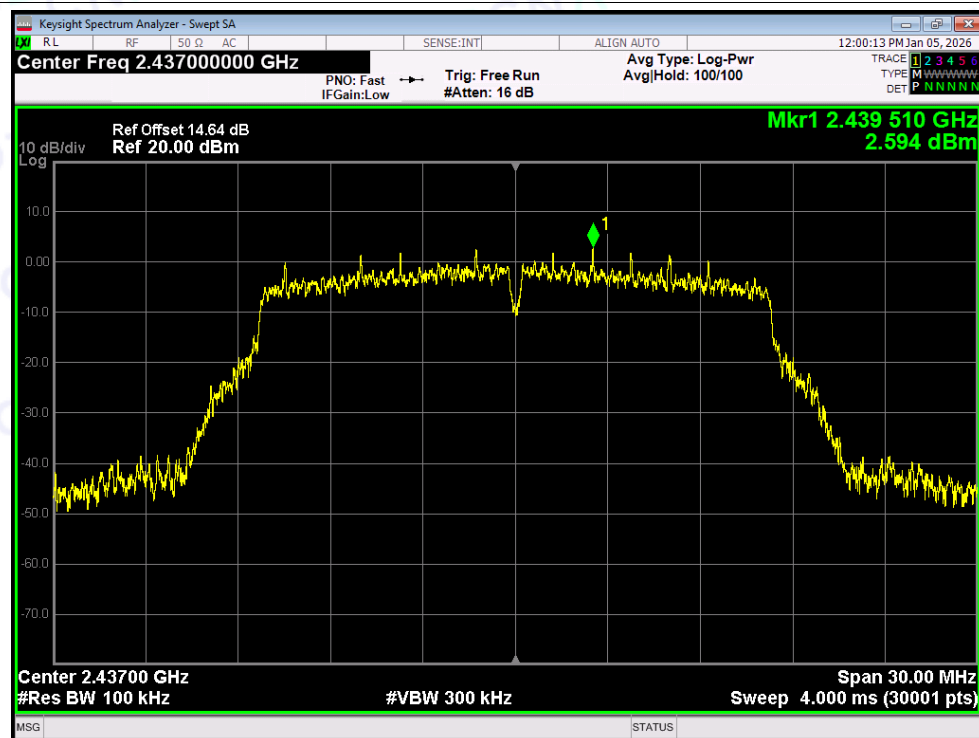
Tx. Spurious NVNT g 2412MHz Ant1 Ref



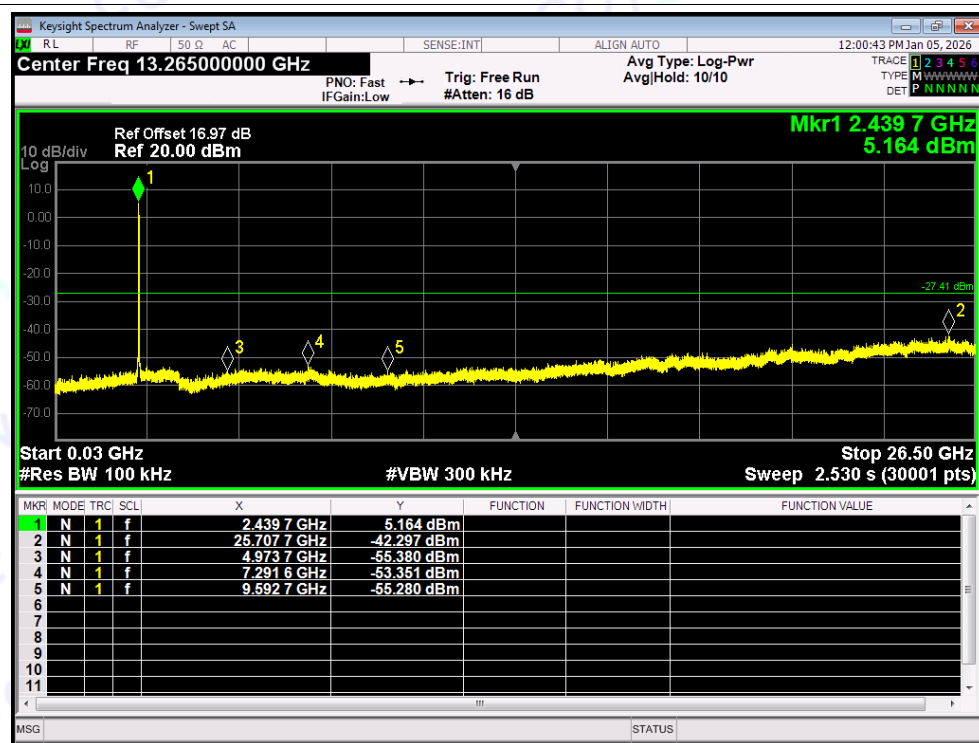
Tx. Spurious NVNT g 2412MHz Ant1 Emission



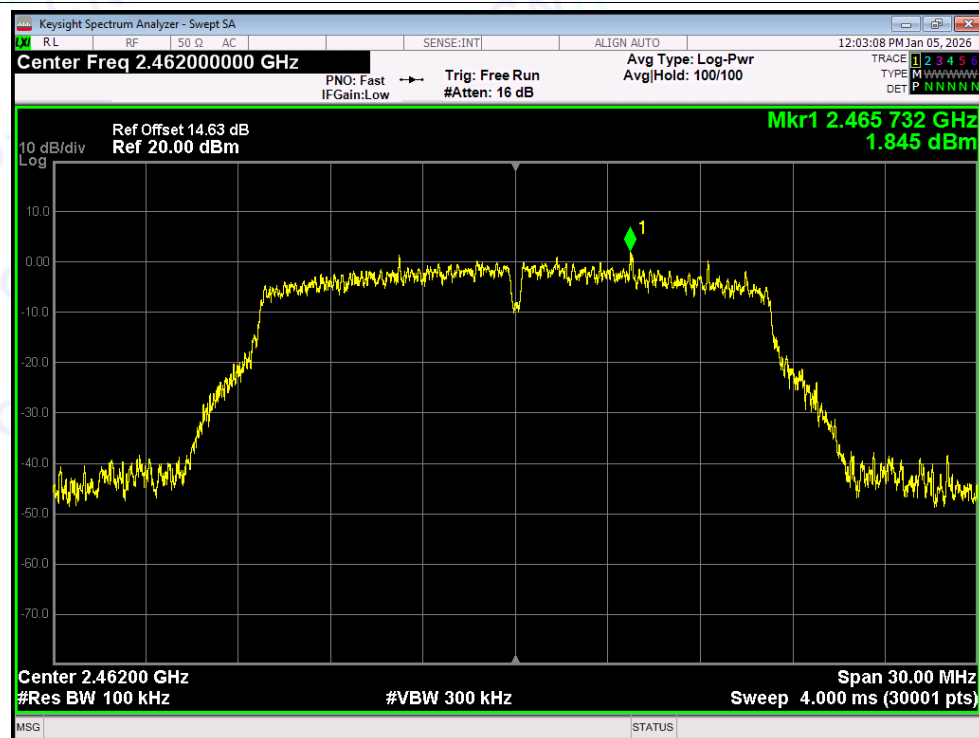
Tx. Spurious NVNT g 2437MHz Ant1 Ref



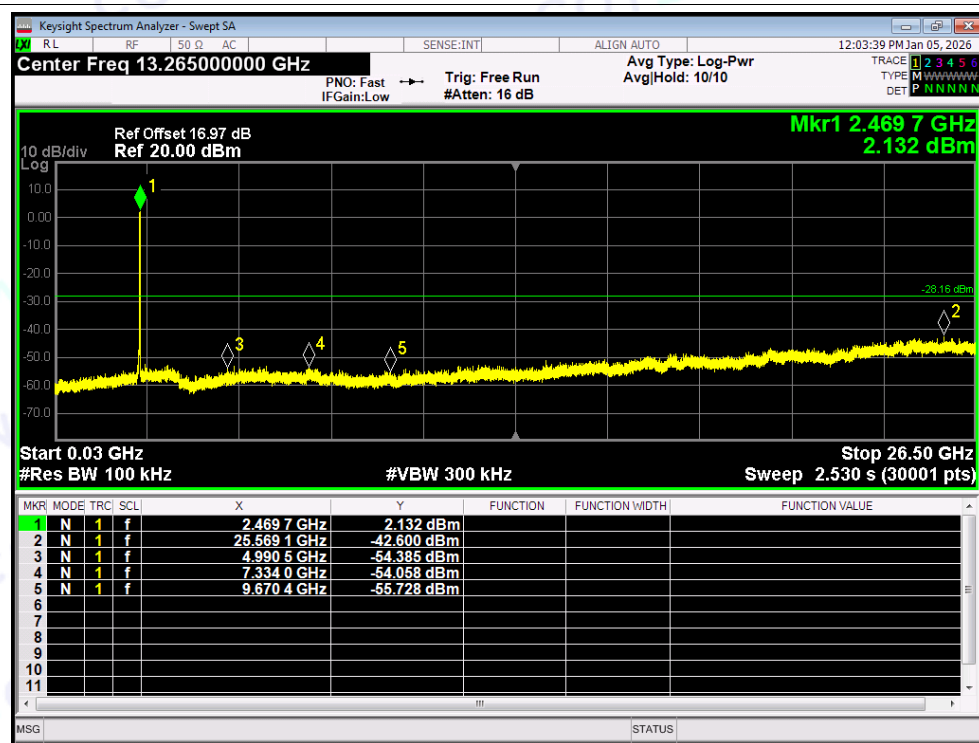
Tx. Spurious NVNT g 2437MHz Ant1 Emission



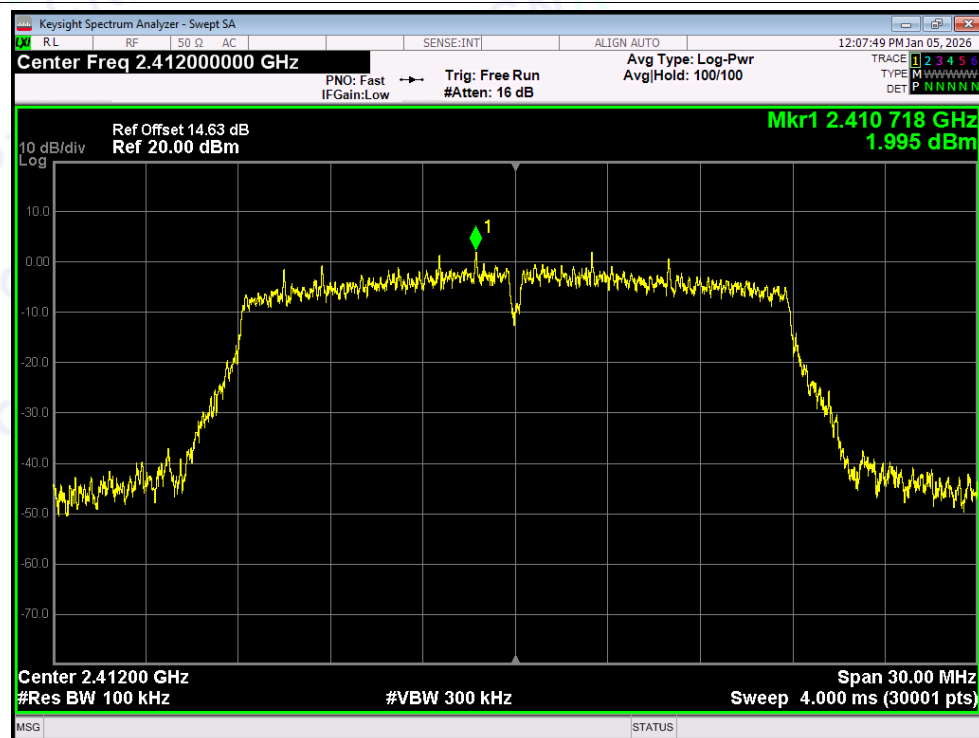
Tx. Spurious NVNT g 2462MHz Ant1 Ref



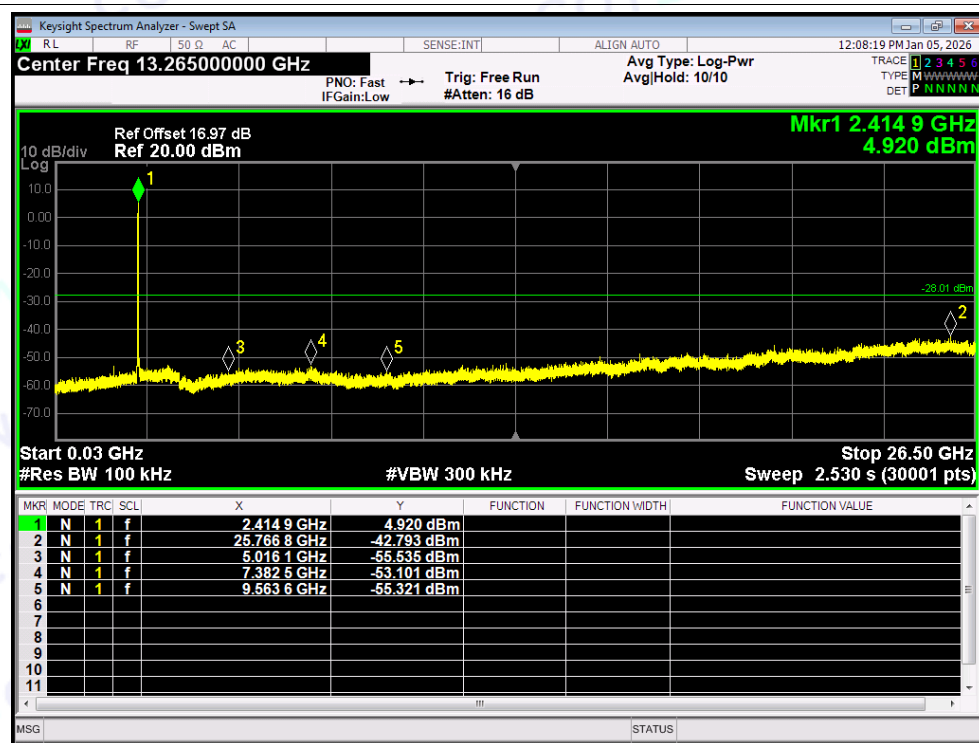
Tx. Spurious NVNT g 2462MHz Ant1 Emission



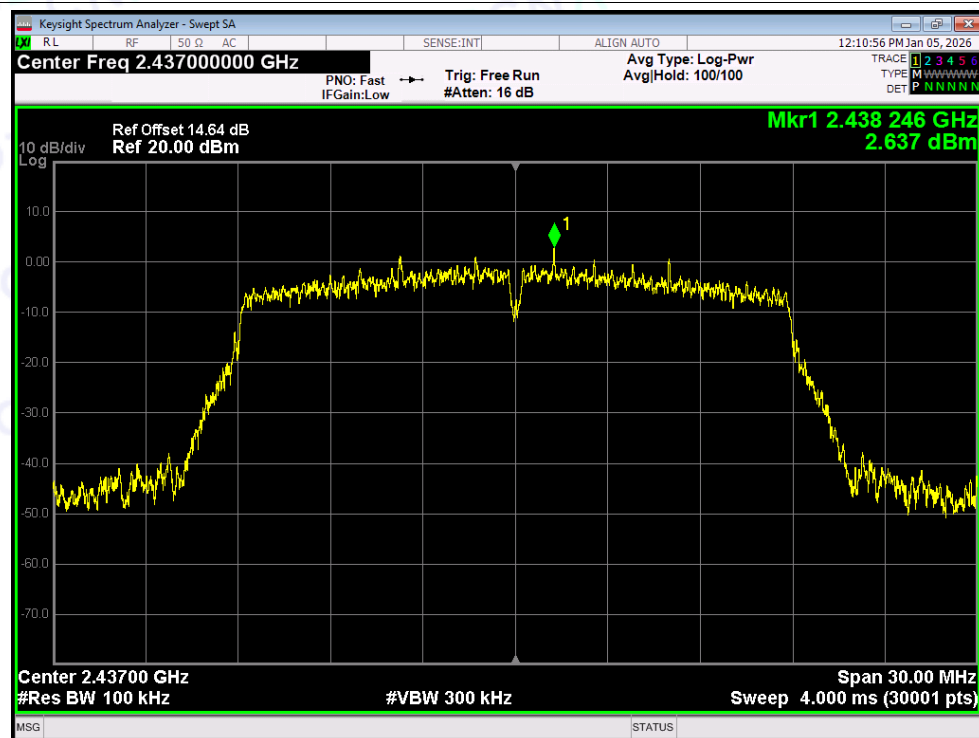
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



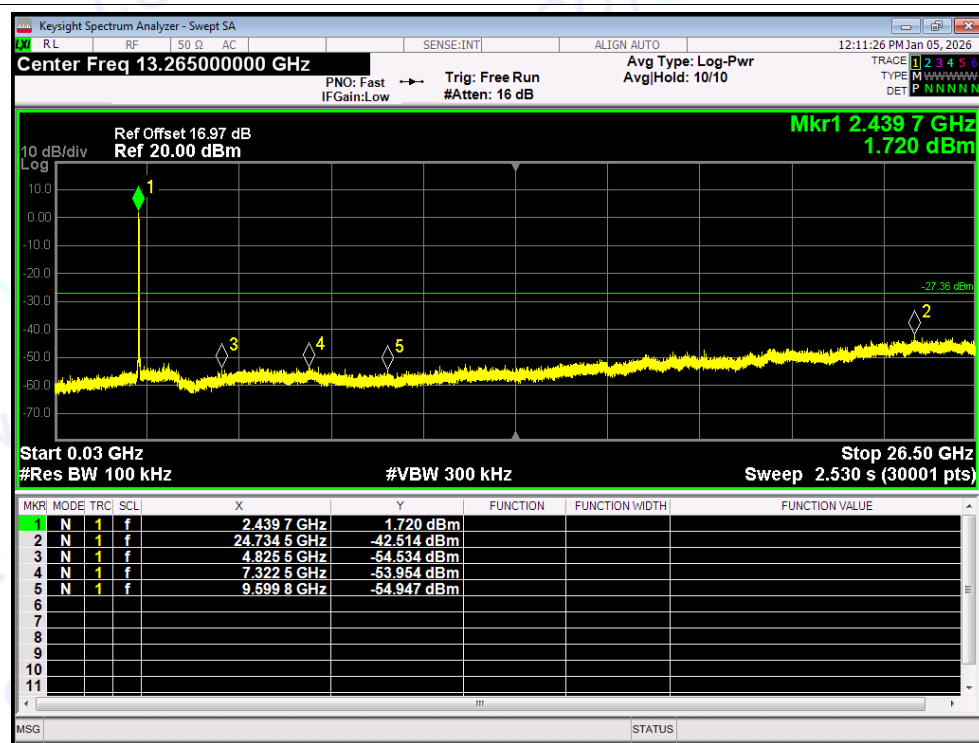
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



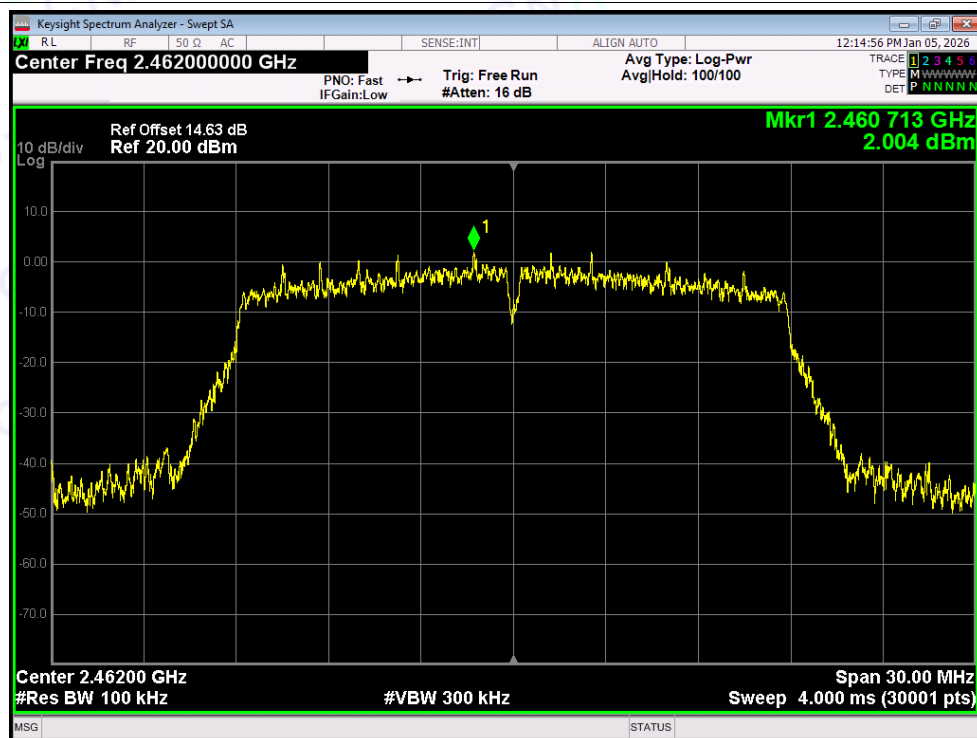
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref



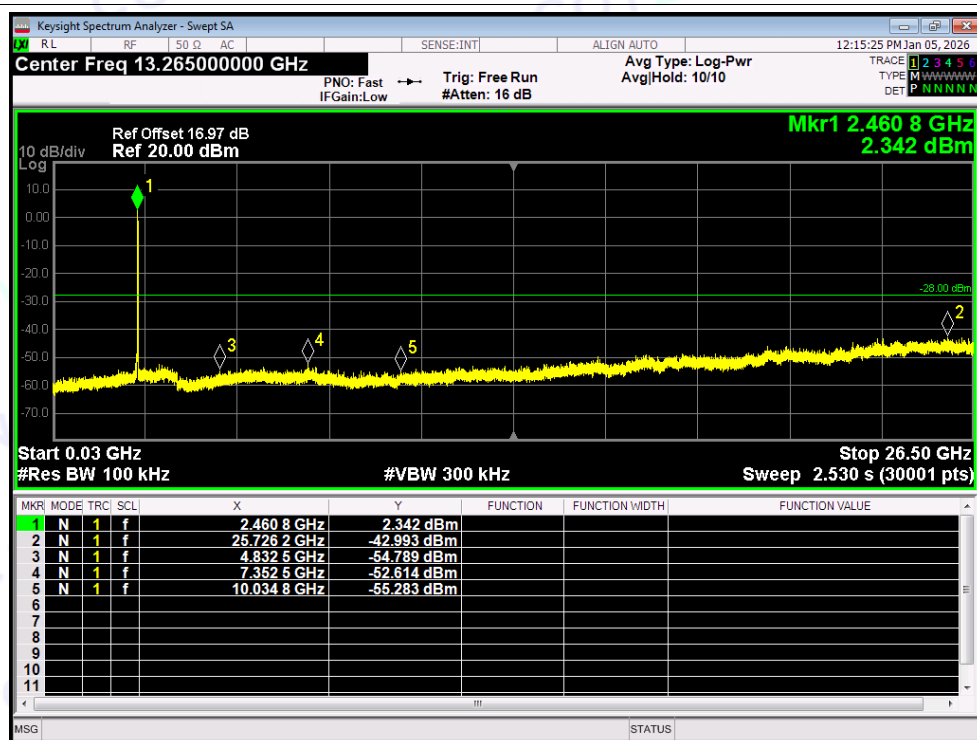
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission



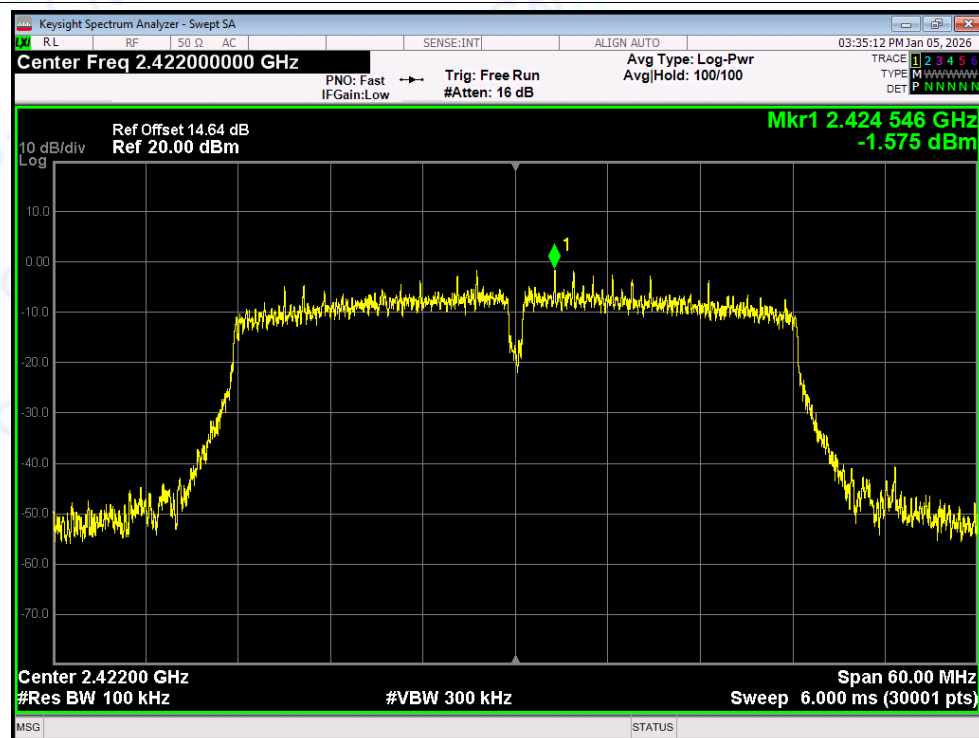
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Ref



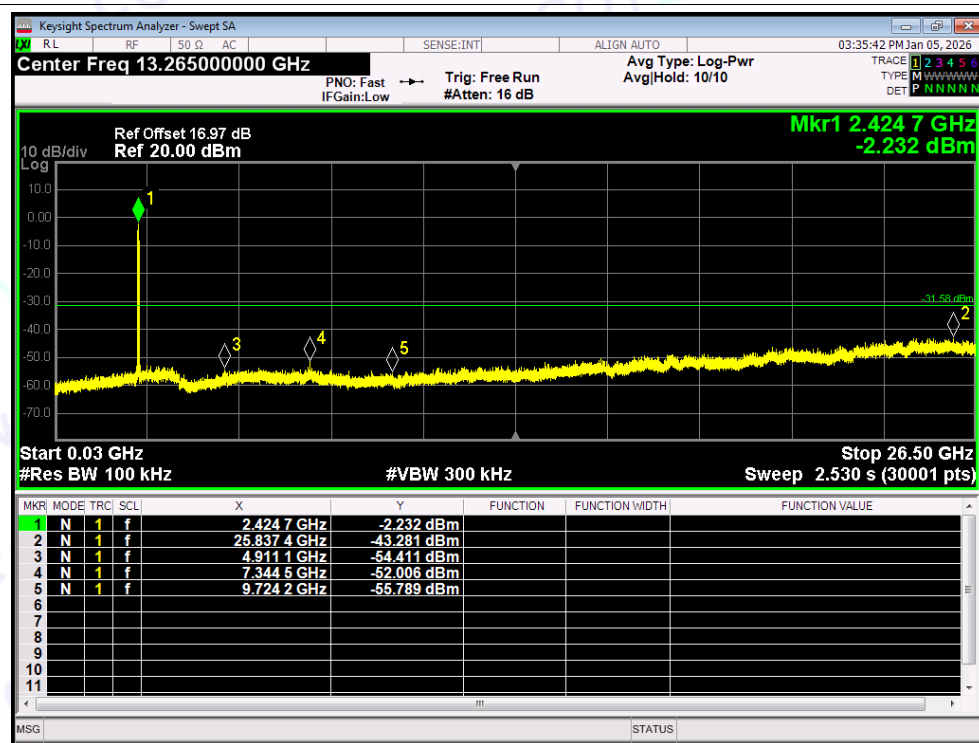
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



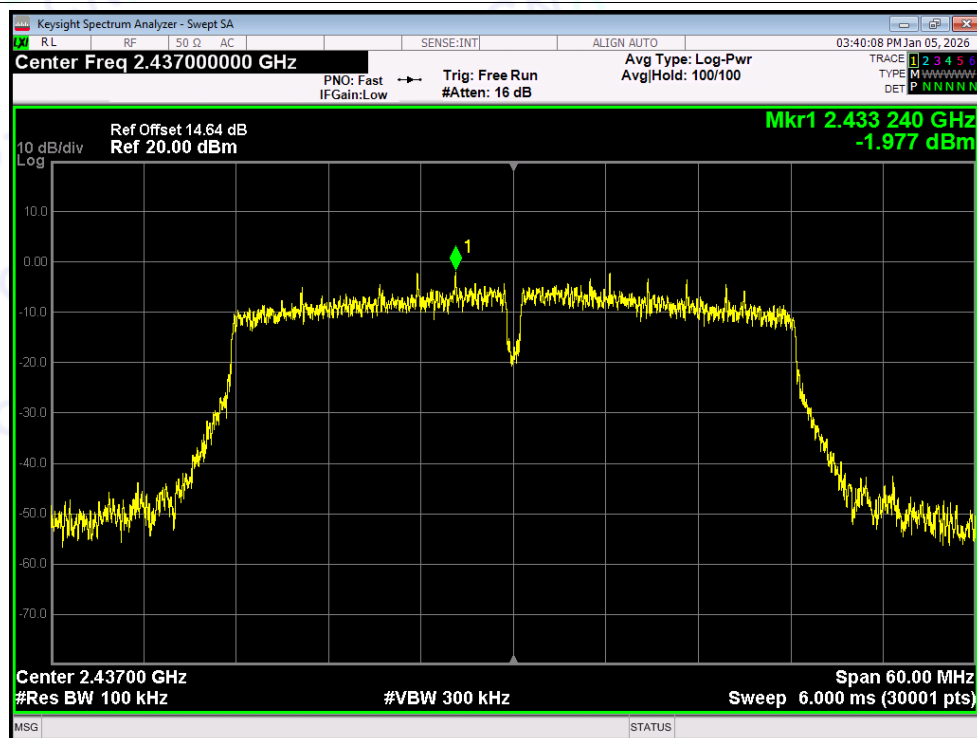
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref



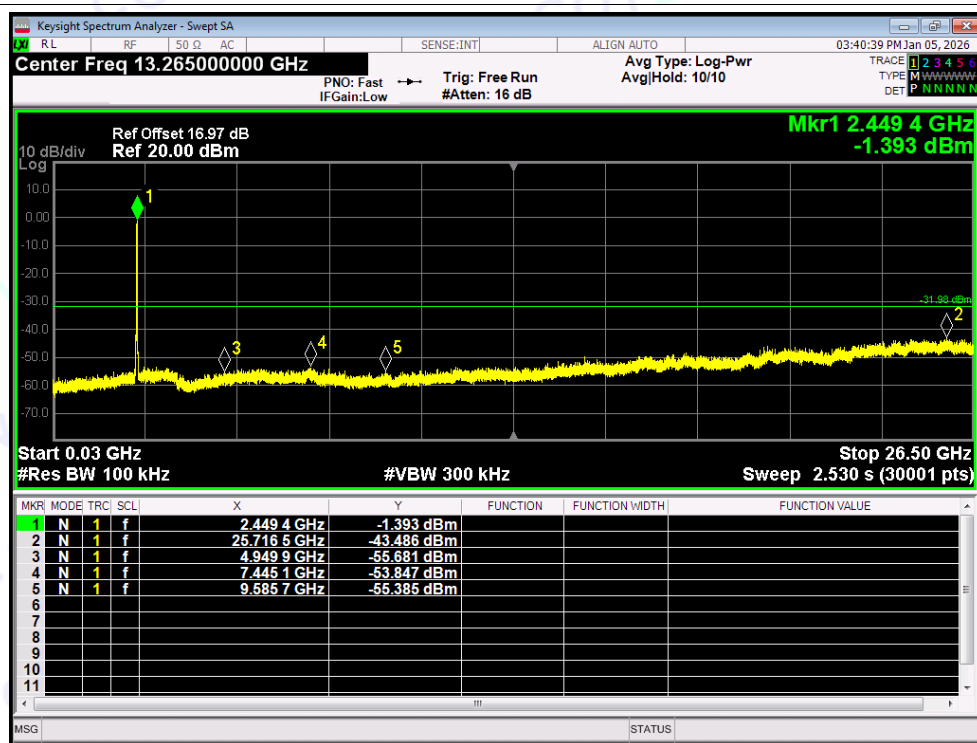
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission



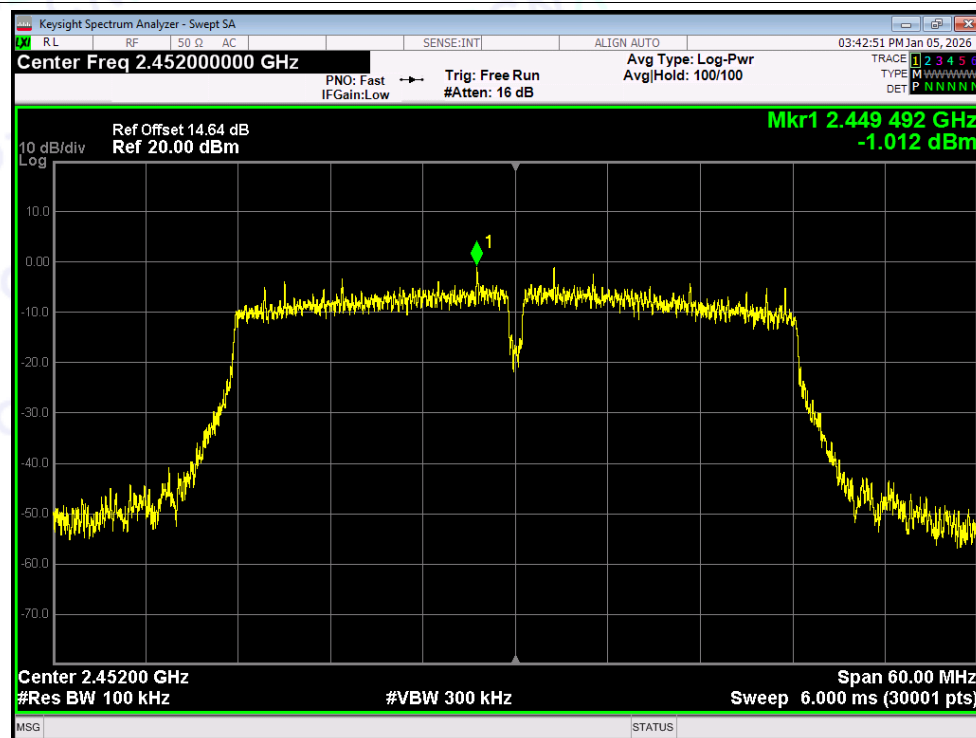
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Ref



Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Ref



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Emission

