

RF Test Data for 2.4G WiFi (Conducted Measurements)

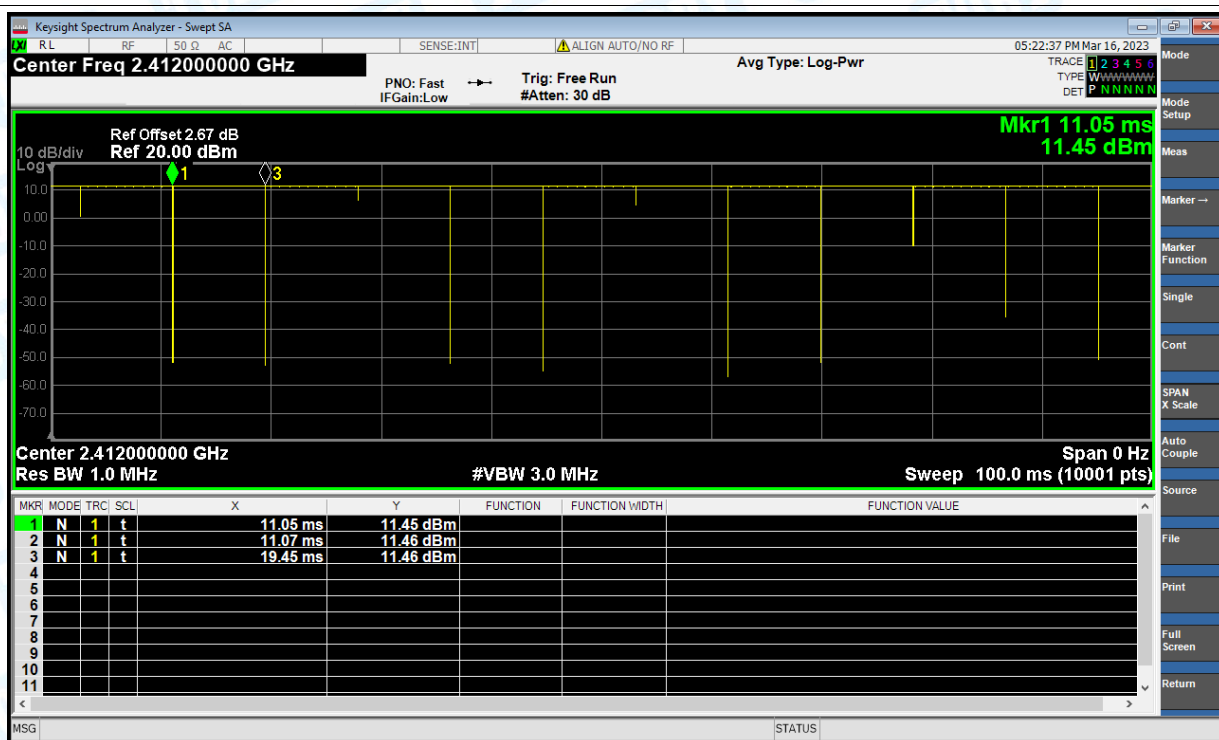
General Description of EUT	
Product Name:	2.4GHz Digital Wireless Video Baby Monitor
Test Model:	HB6081
Sample ID:	202303-0036-11-2#
Environmental Conditions	
Temperature:	24℃
Relative Humidity:	50%
Test Voltage:	DC 5V
Test Engineer:	huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202303-0036-18. The report only show the worst case data.	

Duty Cycle

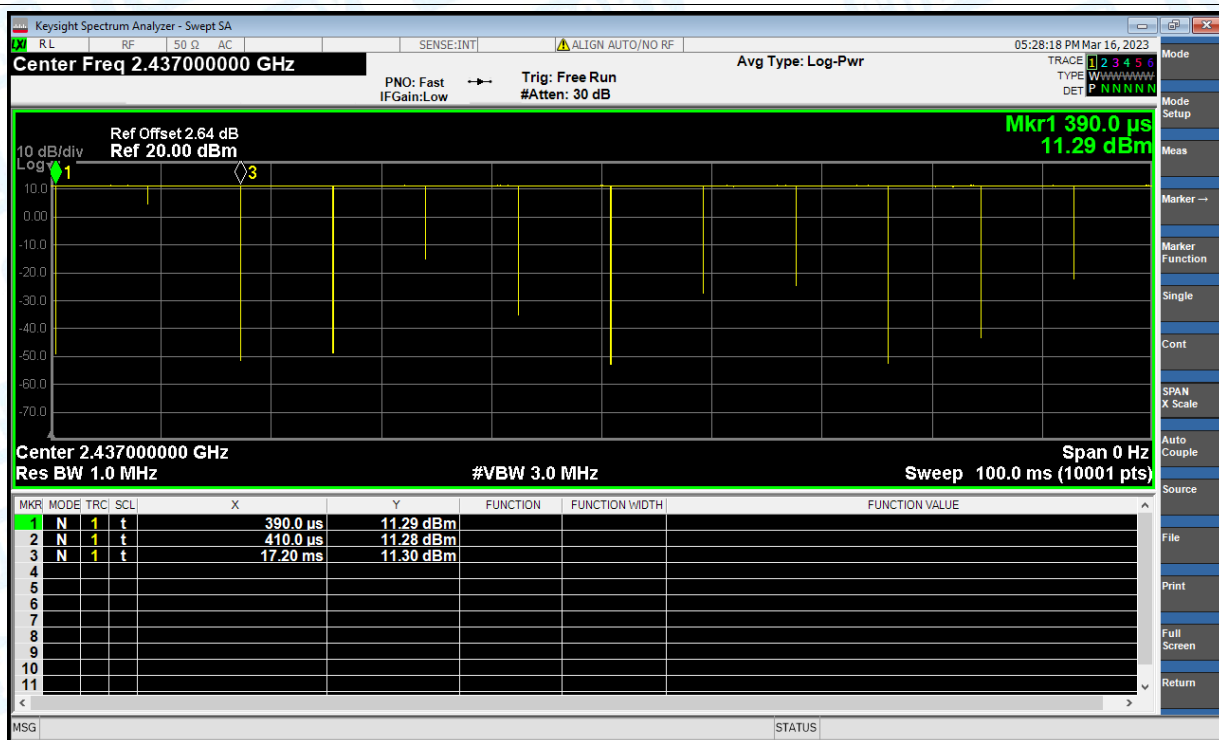
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.76	0.01	0.12
NVNT	b	2437	Ant1	99.88	0.01	0.06
NVNT	b	2462	Ant1	99.88	0.01	0.06
NVNT	g	2412	Ant1	98.58	0.06	0.72
NVNT	g	2437	Ant1	98.58	0.06	0.72
NVNT	g	2462	Ant1	98.58	0.06	0.72

Test Graphs

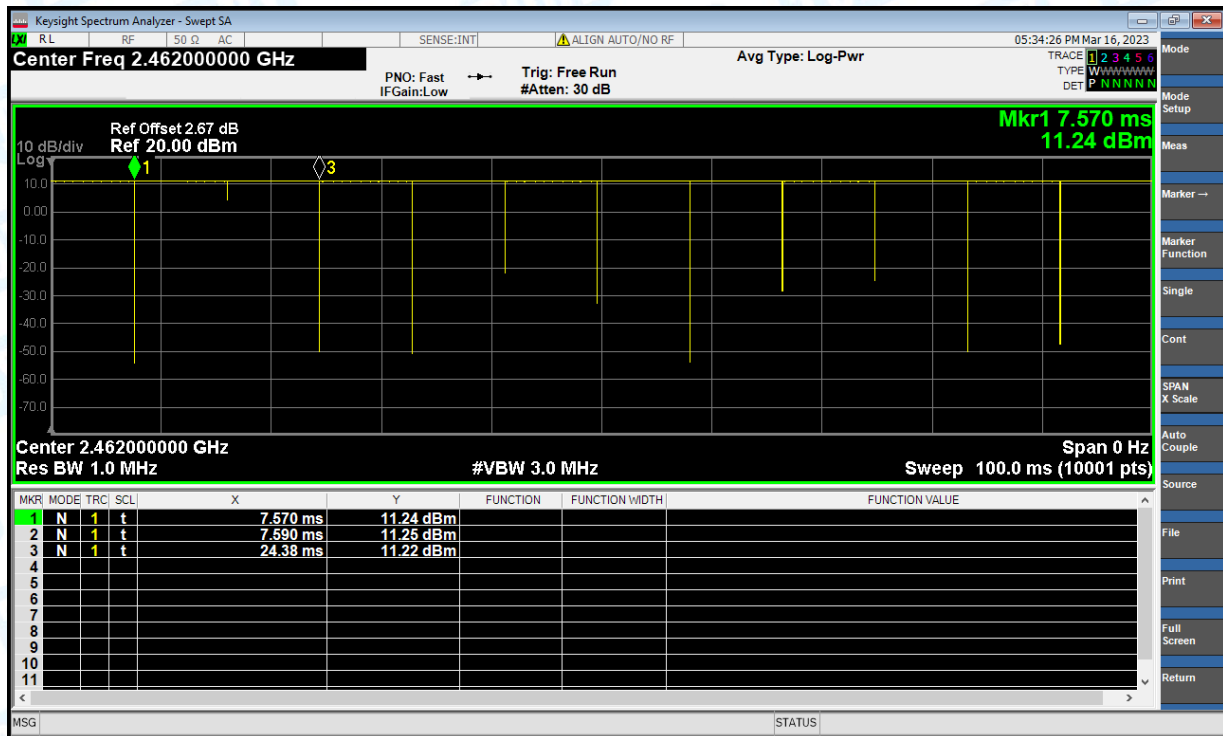
Duty Cycle NVNT b 2412MHz Ant1



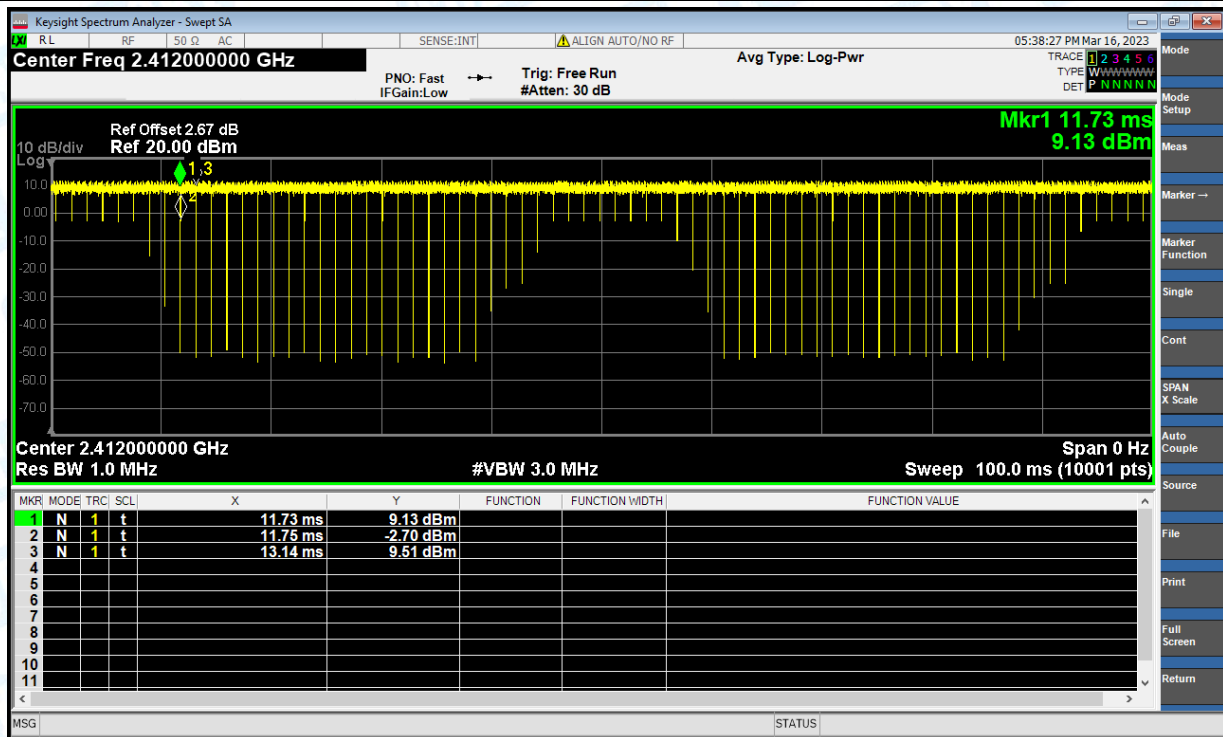
Duty Cycle NVNT b 2437MHz Ant1



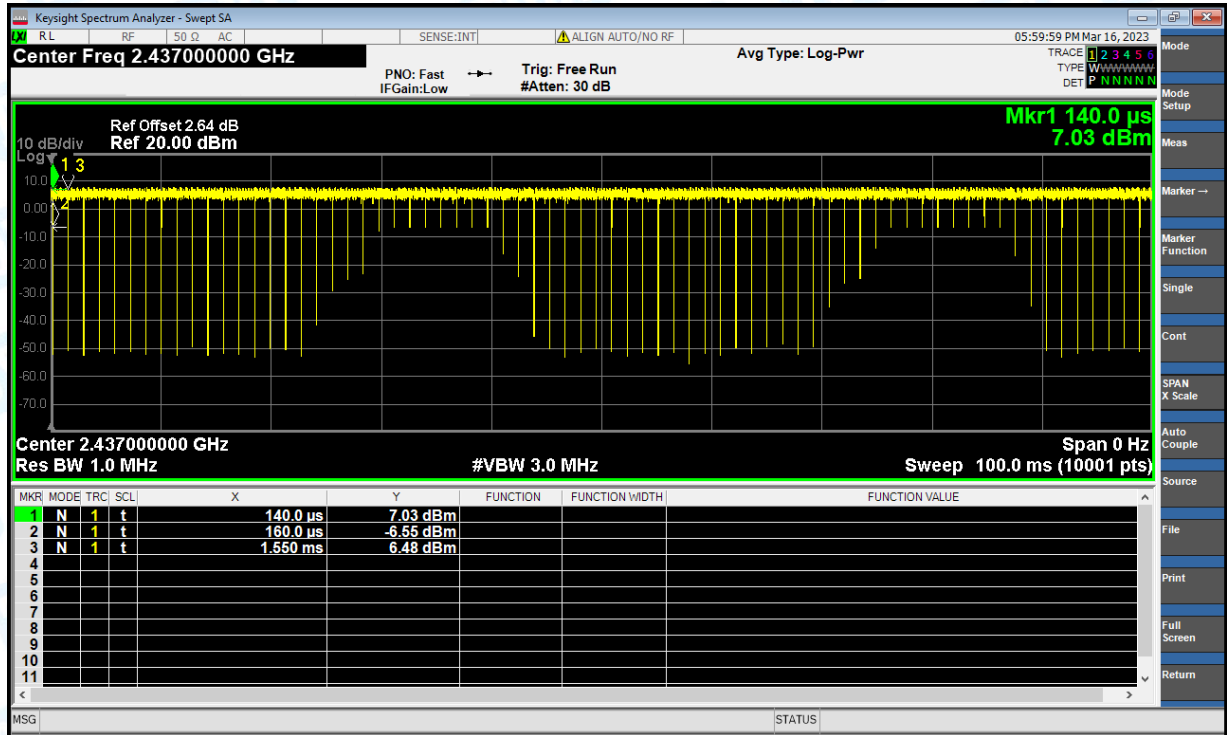
Duty Cycle NVNT b 2462MHz Ant1



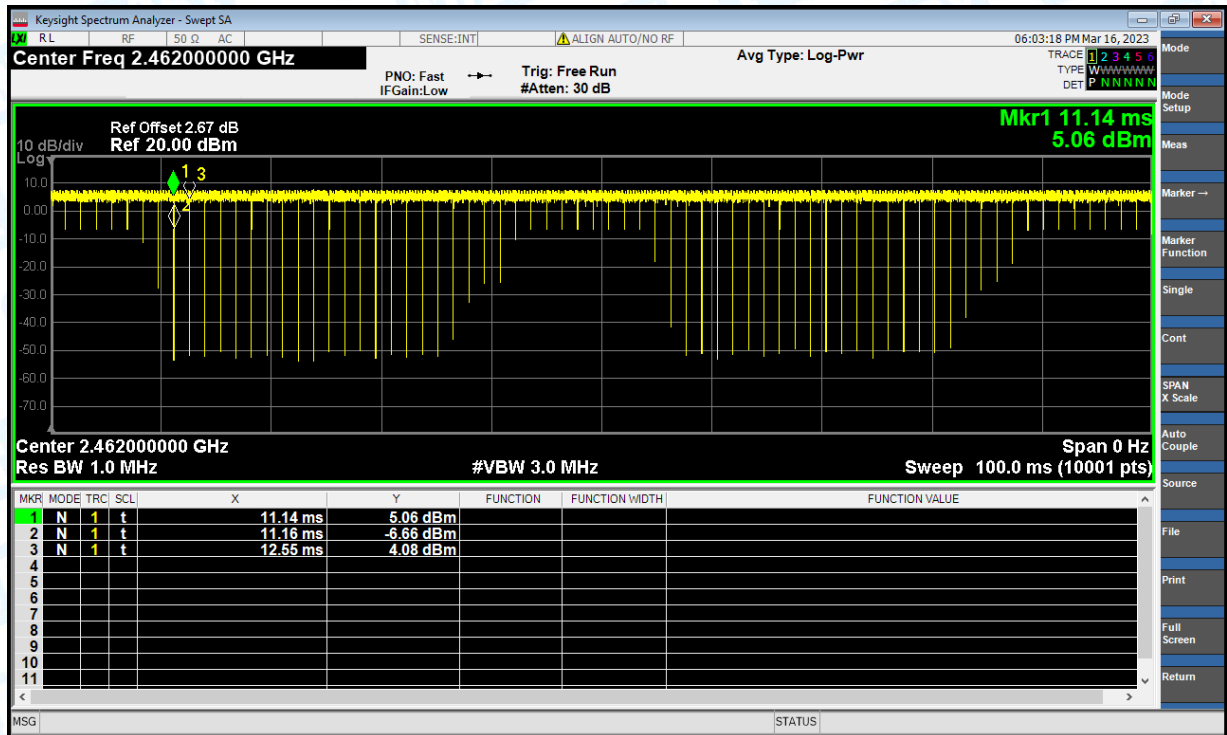
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



Maximum Conducted Output Power

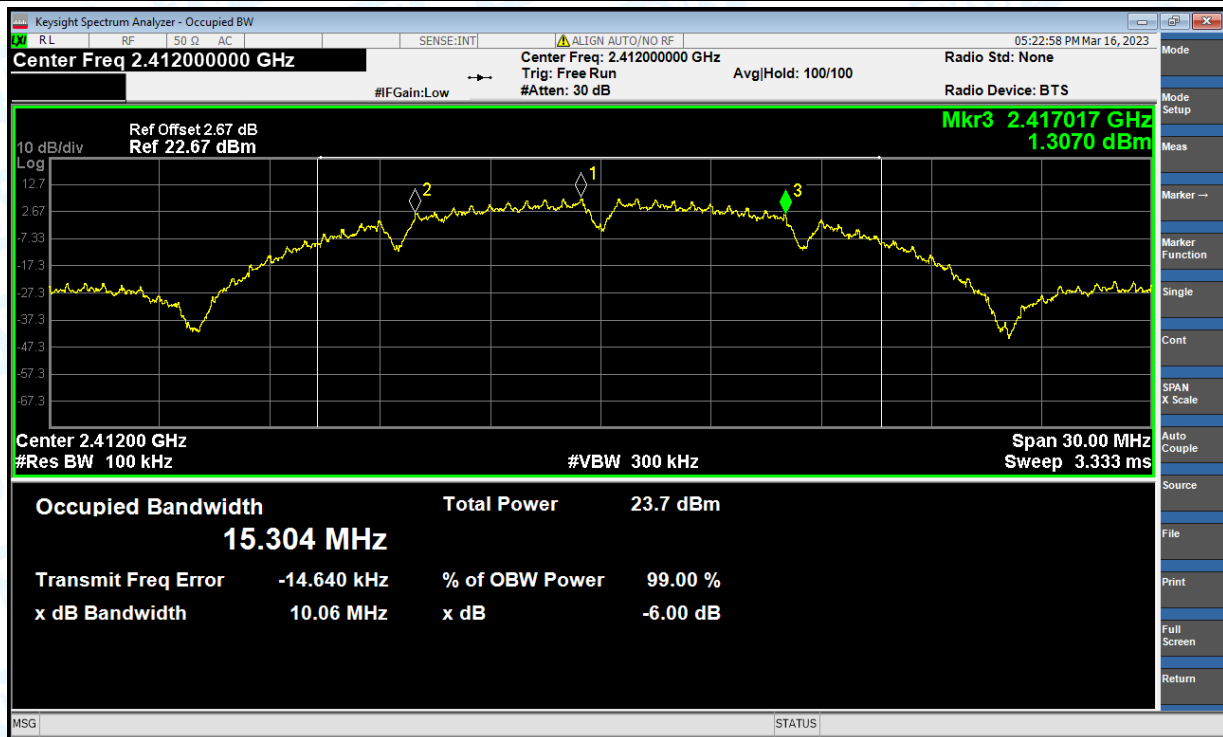
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.301	30	Pass
NVNT	b	2437	Ant1	17.162	30	Pass
NVNT	b	2462	Ant1	17.085	30	Pass
NVNT	g	2412	Ant1	13.836	30	Pass
NVNT	g	2437	Ant1	13.295	30	Pass
NVNT	g	2462	Ant1	13.178	30	Pass

-6dB Bandwidth

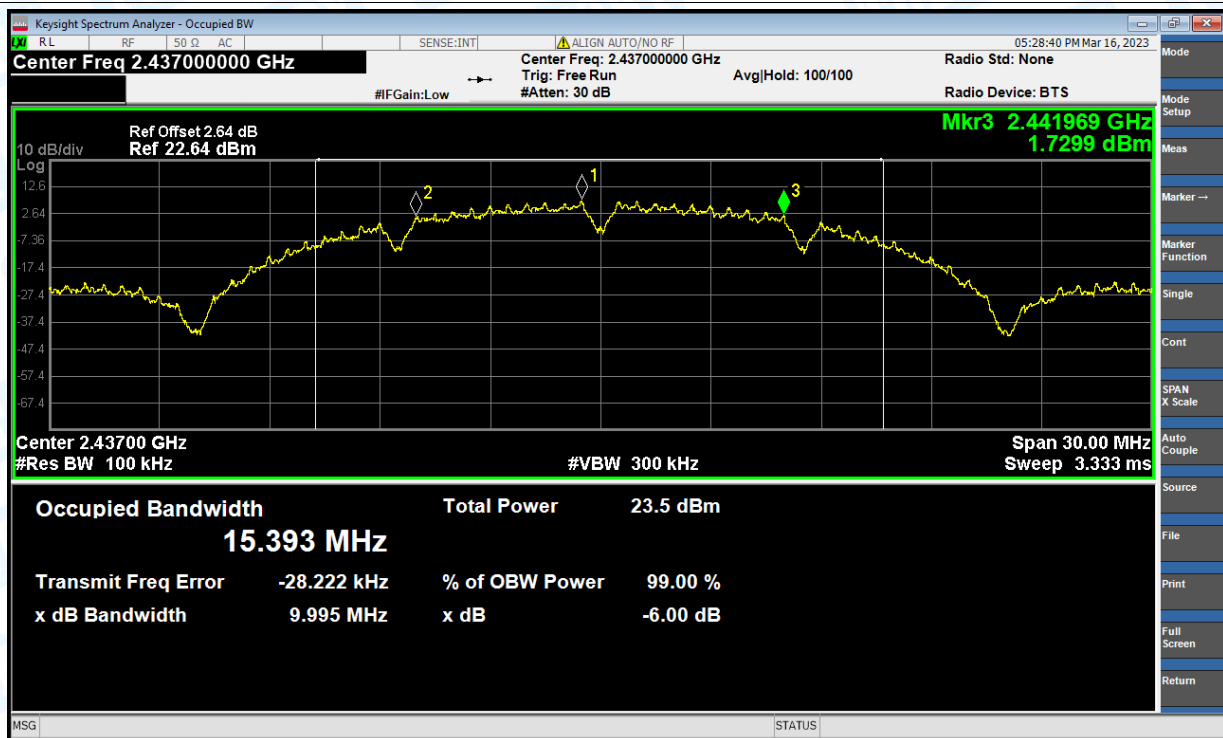
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.06	0.5	Pass
NVNT	b	2437	Ant1	10	0.5	Pass
NVNT	b	2462	Ant1	10.06	0.5	Pass
NVNT	g	2412	Ant1	16.34	0.5	Pass
NVNT	g	2437	Ant1	16.34	0.5	Pass
NVNT	g	2462	Ant1	16.34	0.5	Pass

Test Graphs

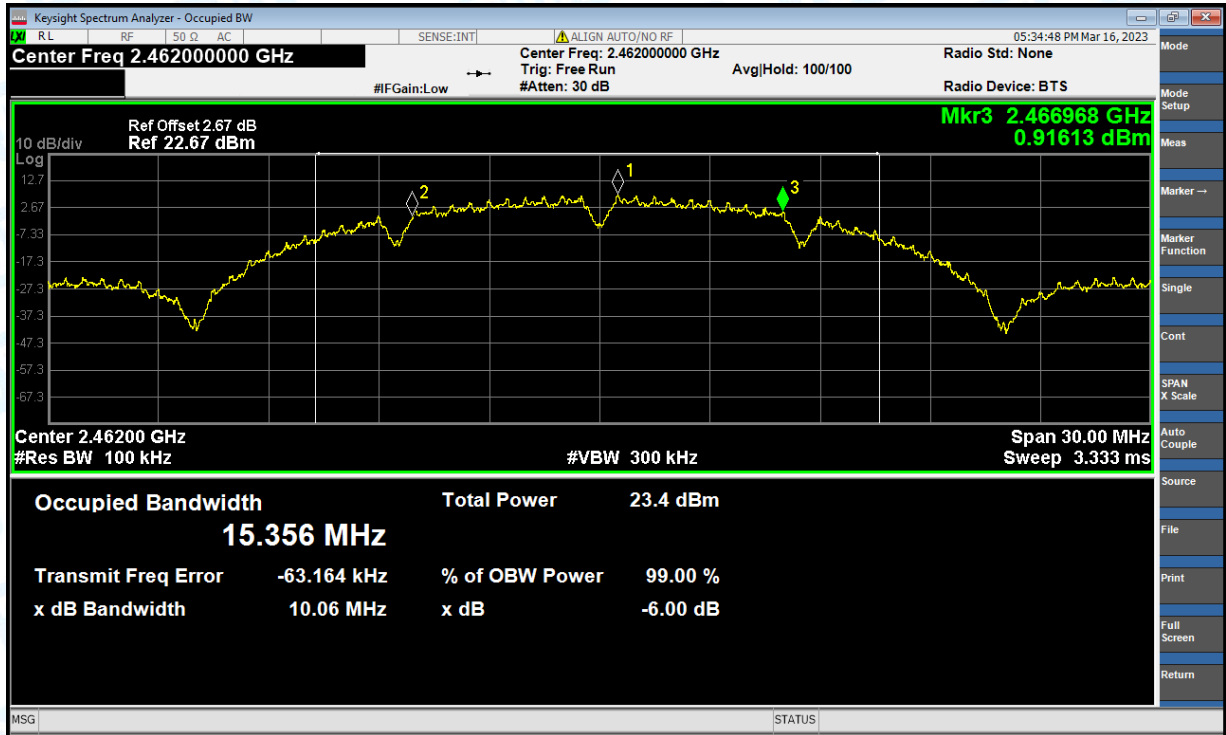
-6dB Bandwidth NVNT b 2412MHz Ant1



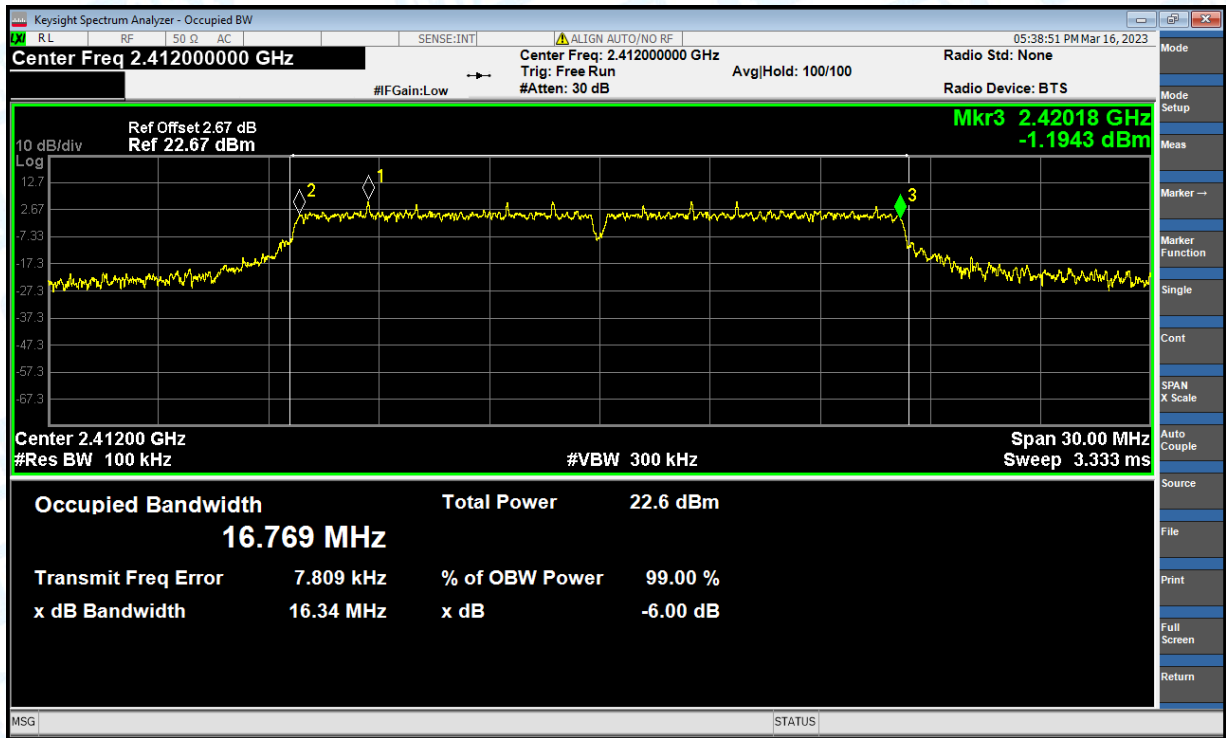
-6dB Bandwidth NVNT b 2437MHz Ant1



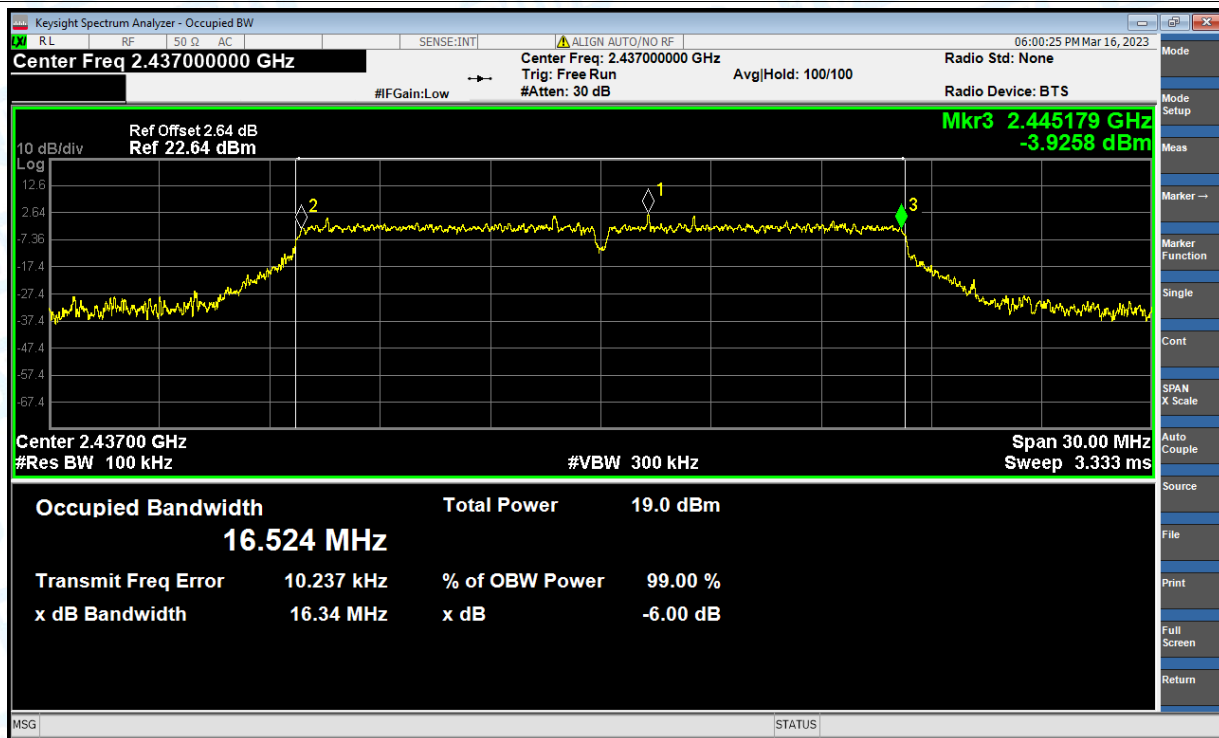
-6dB Bandwidth NVNT b 2462MHz Ant1



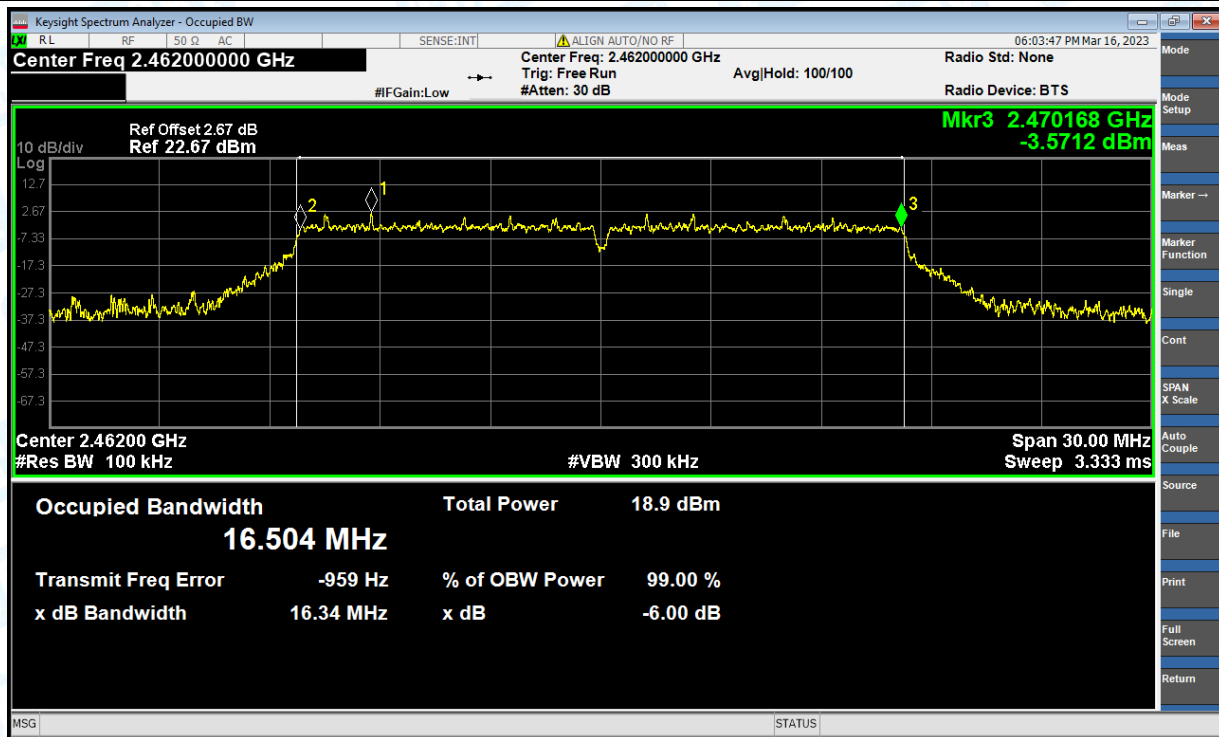
-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1

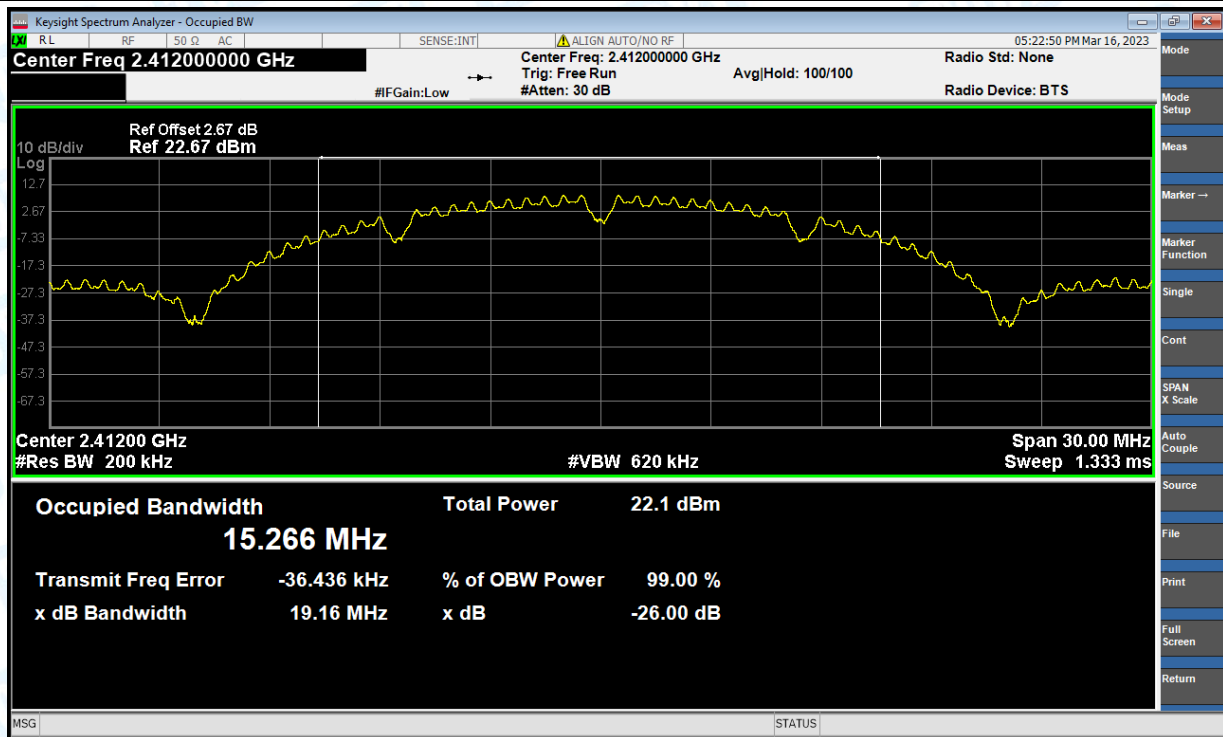


Occupied Channel Bandwidth

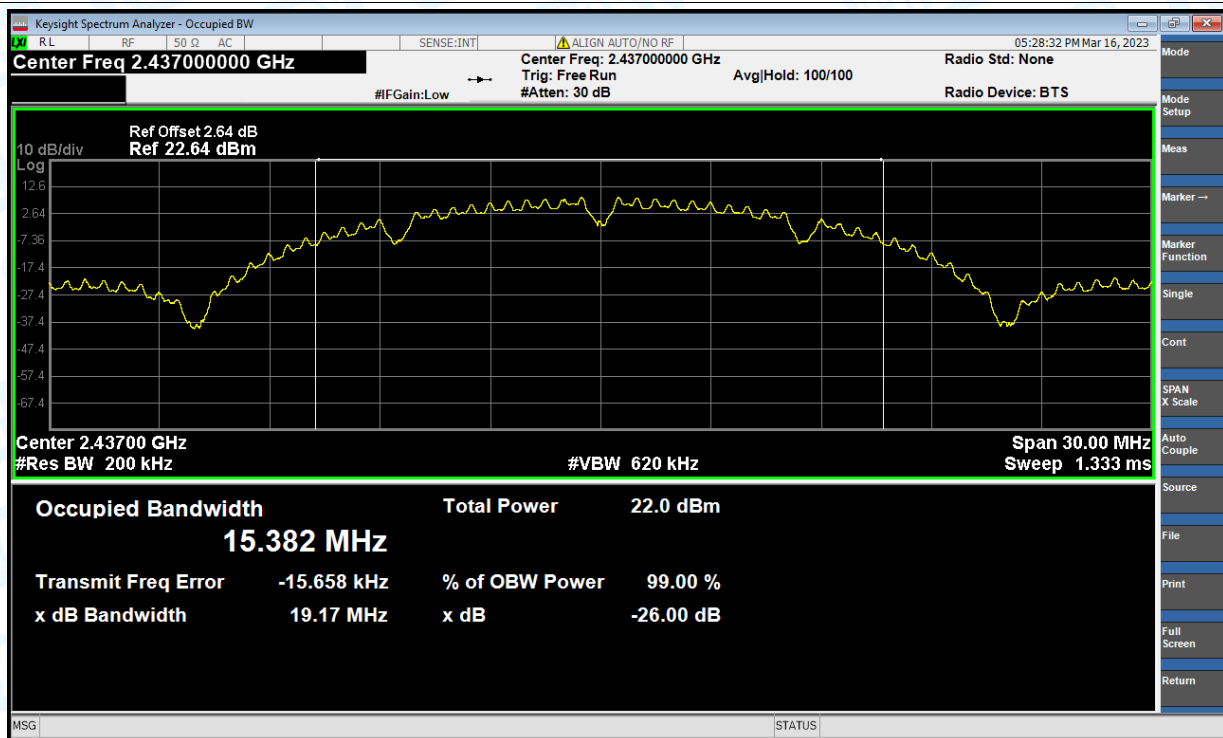
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	15.266
NVNT	b	2437	Ant1	15.382
NVNT	b	2462	Ant1	15.356
NVNT	g	2412	Ant1	17.024
NVNT	g	2437	Ant1	16.685
NVNT	g	2462	Ant1	16.692

Test Graphs

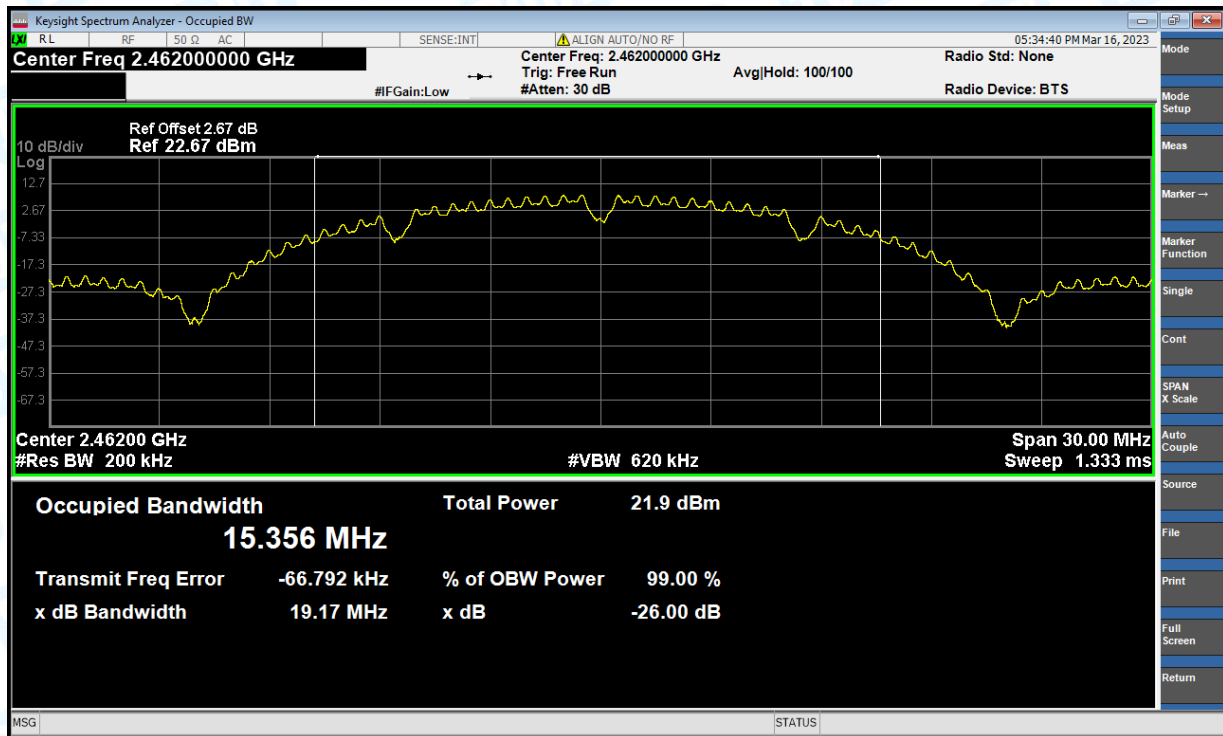
OBW NVNT b 2412MHz Ant1



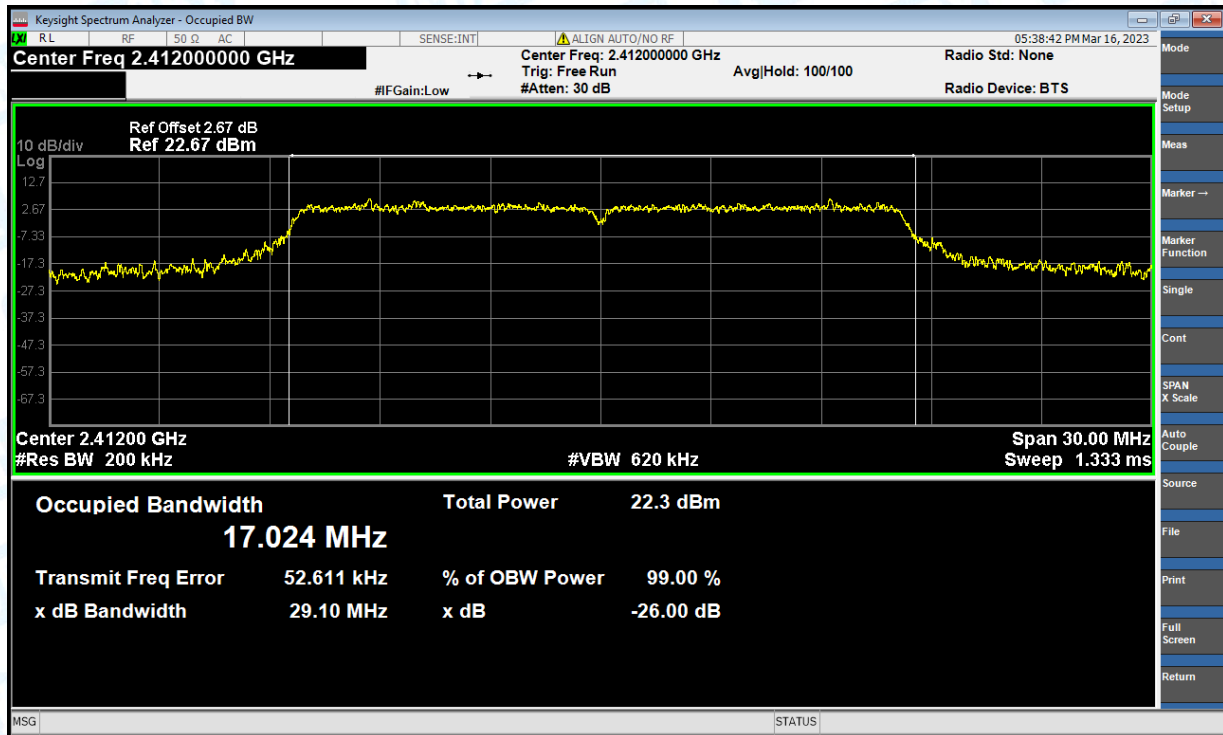
OBW NVNT b 2437MHz Ant1



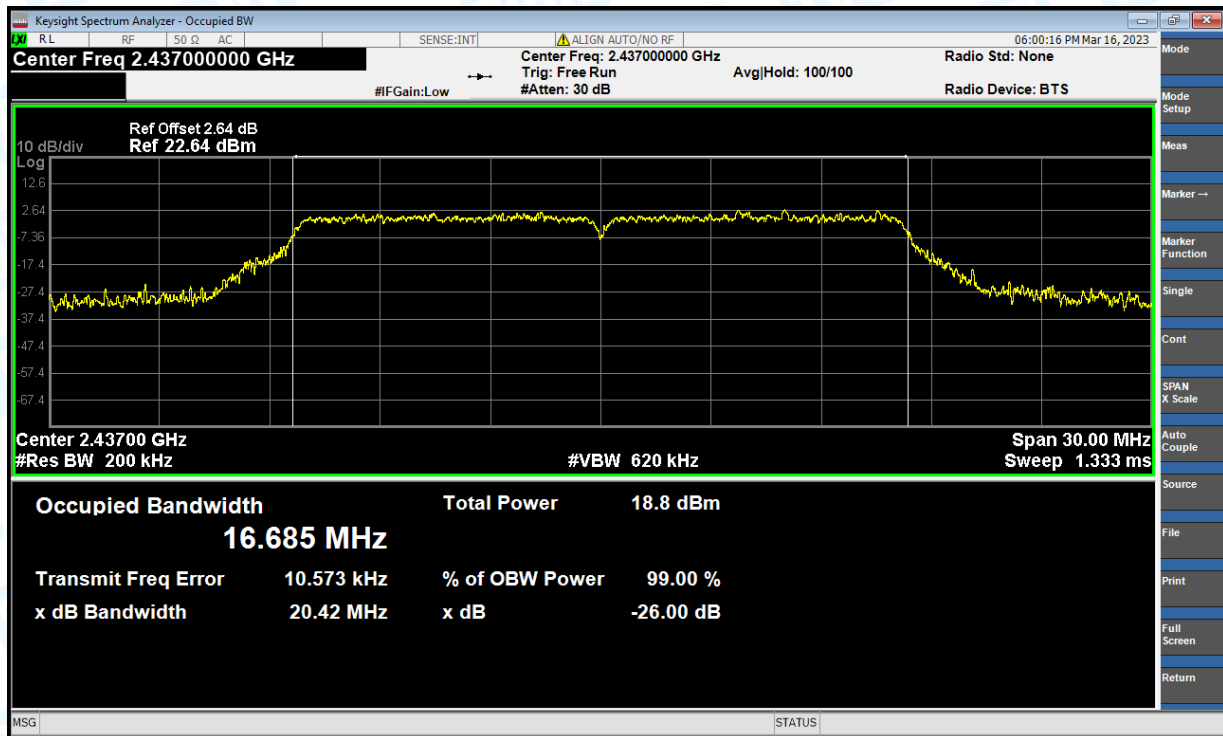
OBW NVNT b 2462MHz Ant1



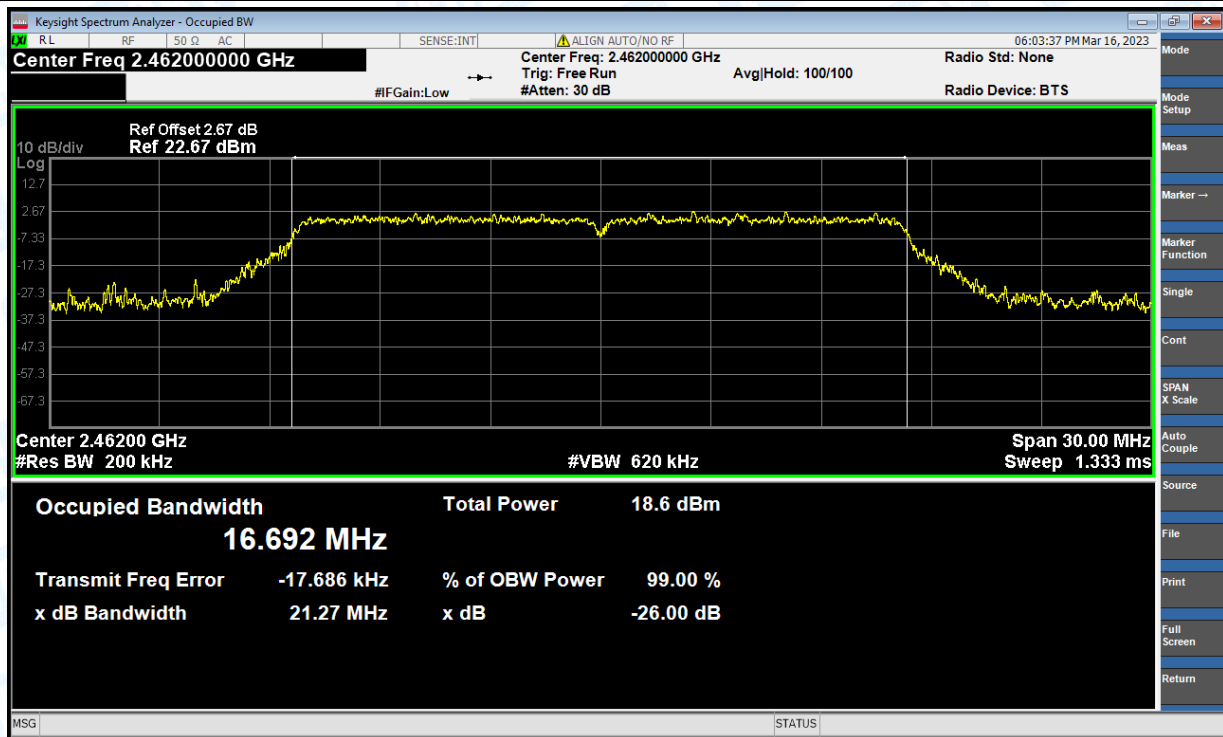
OBW NVNT g 2412MHz Ant1



OBW NVNT g 2437MHz Ant1



OBW NVNT g 2462MHz Ant1

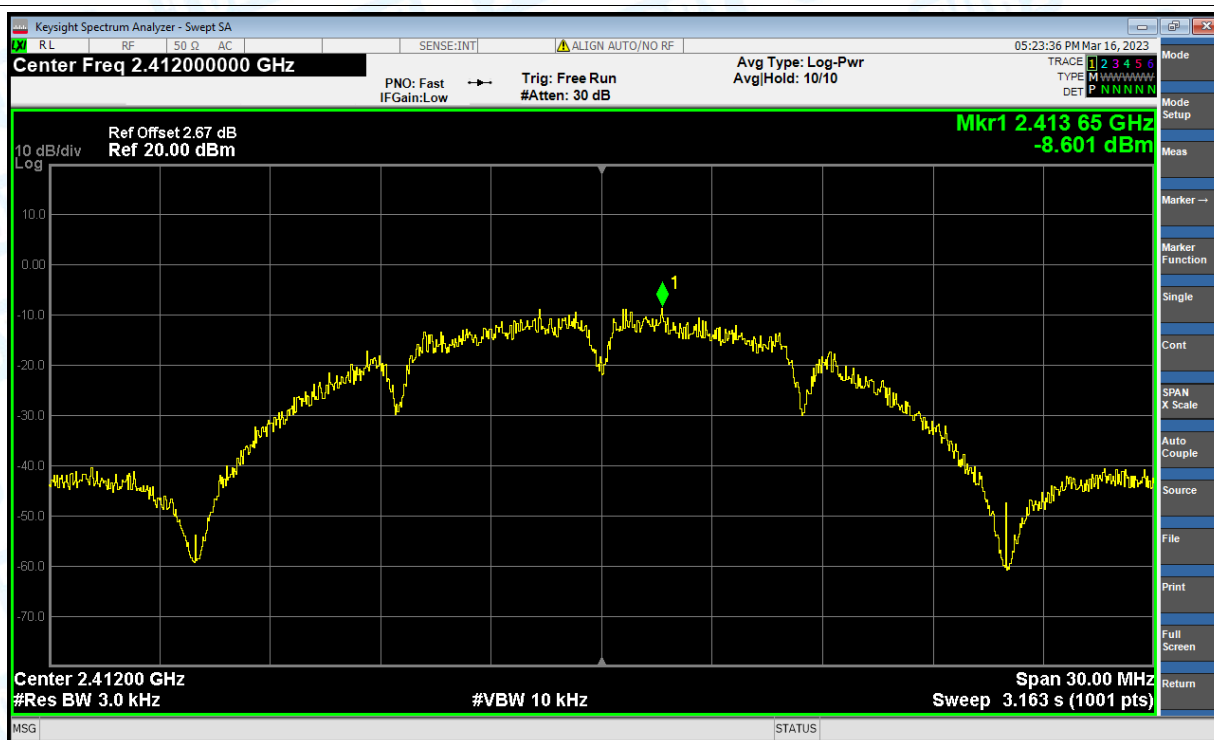


Maximum Power Spectral Density Level

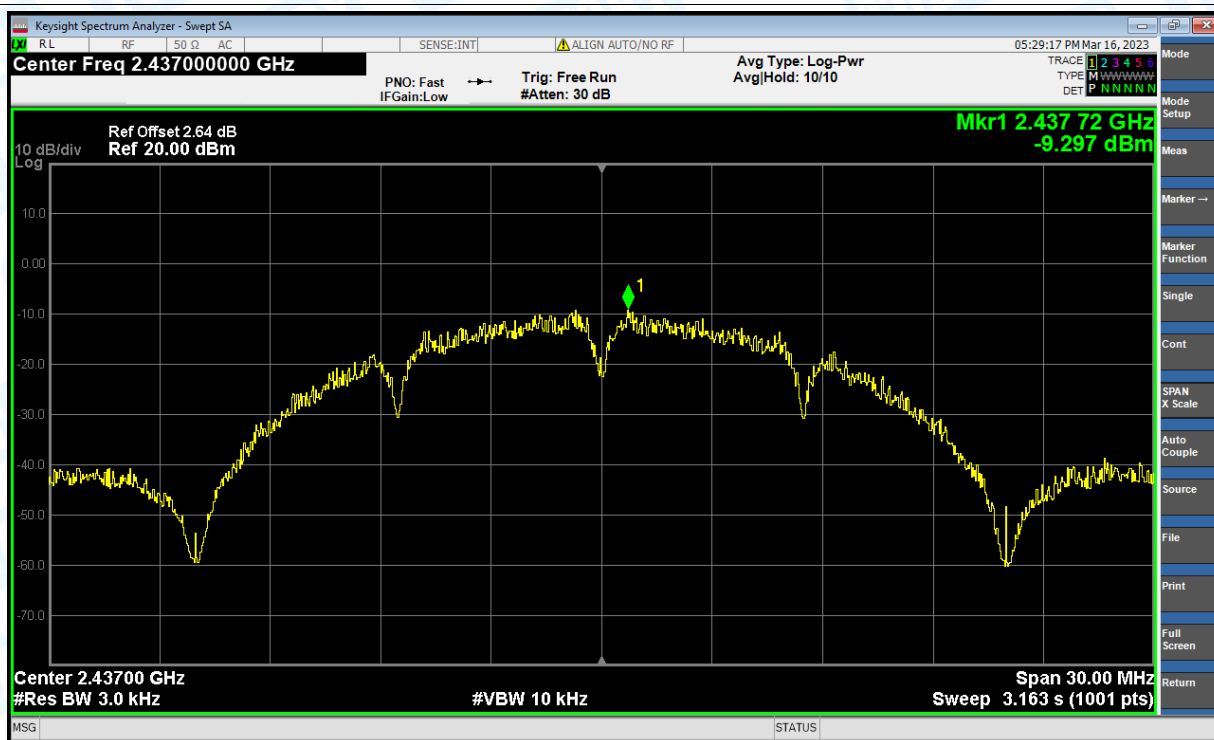
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-8.601	8	Pass
NVNT	b	2437	Ant1	-9.297	8	Pass
NVNT	b	2462	Ant1	-9.344	8	Pass
NVNT	g	2412	Ant1	-10.204	8	Pass
NVNT	g	2437	Ant1	-12.771	8	Pass
NVNT	g	2462	Ant1	-13.112	8	Pass

Test Graphs

PSD NVNT b 2412MHz Ant1



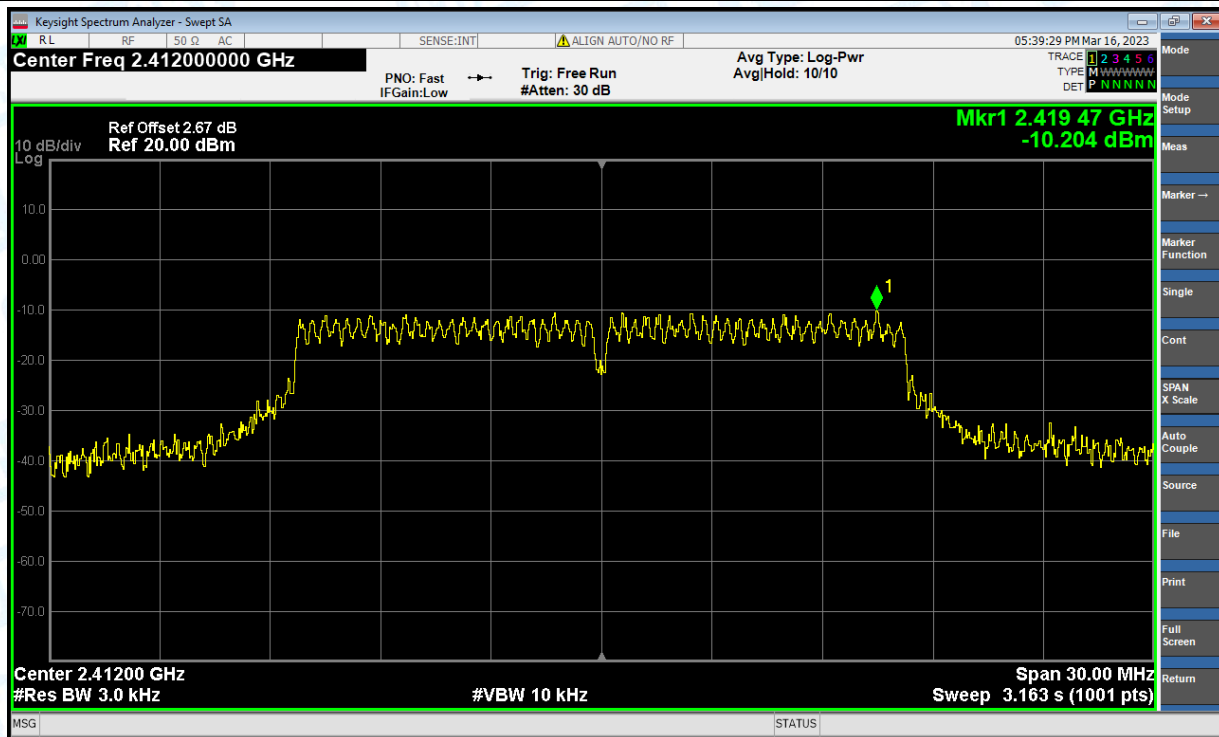
PSD NVNT b 2437MHz Ant1



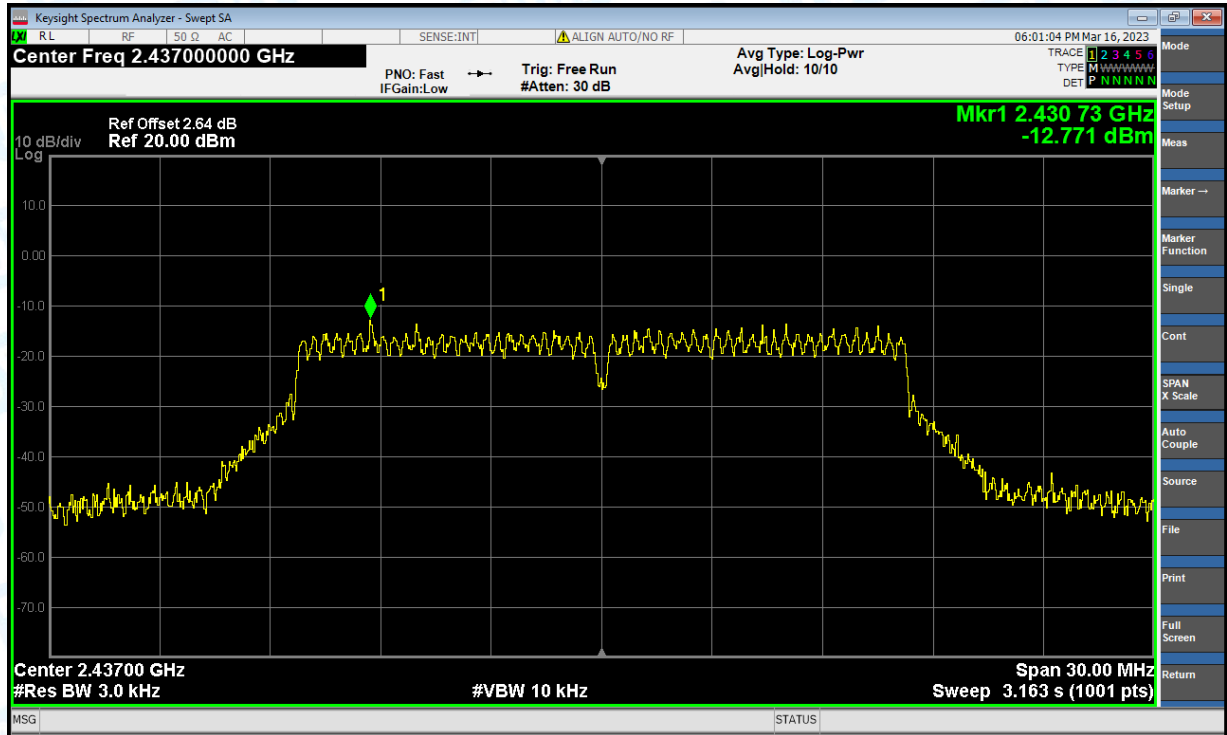
PSD NVNT b 2462MHz Ant1



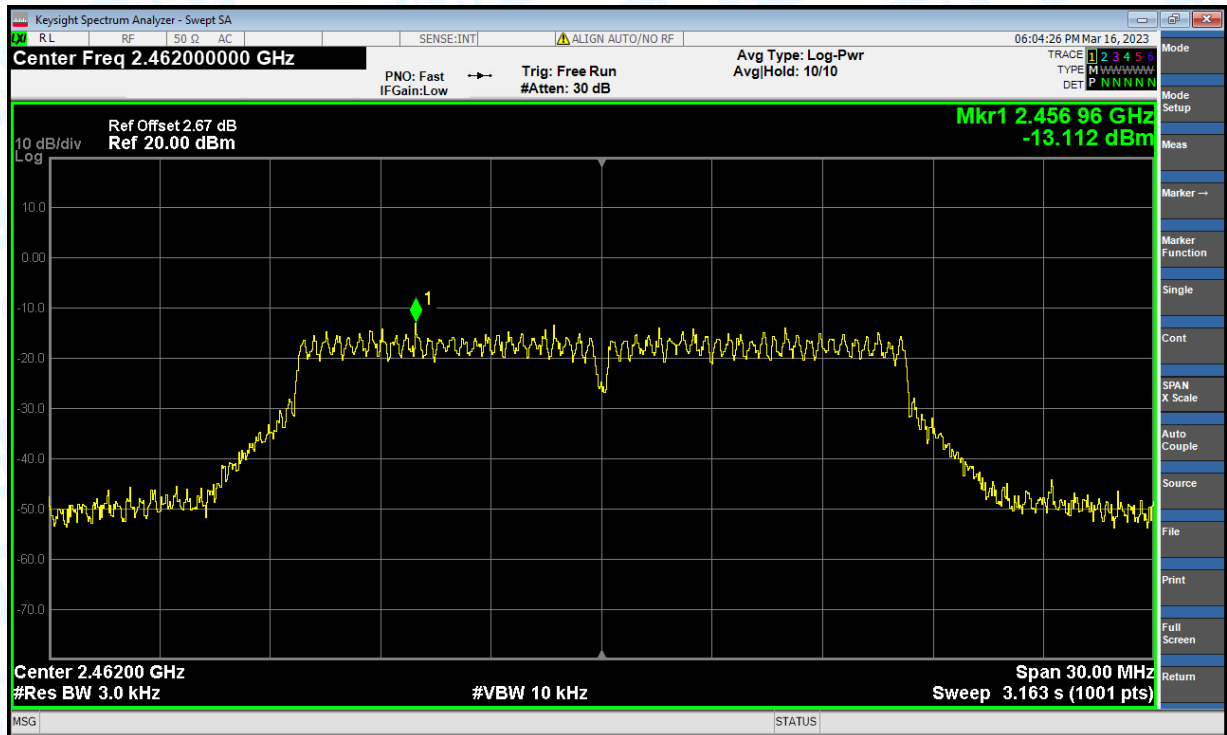
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1



Band Edge

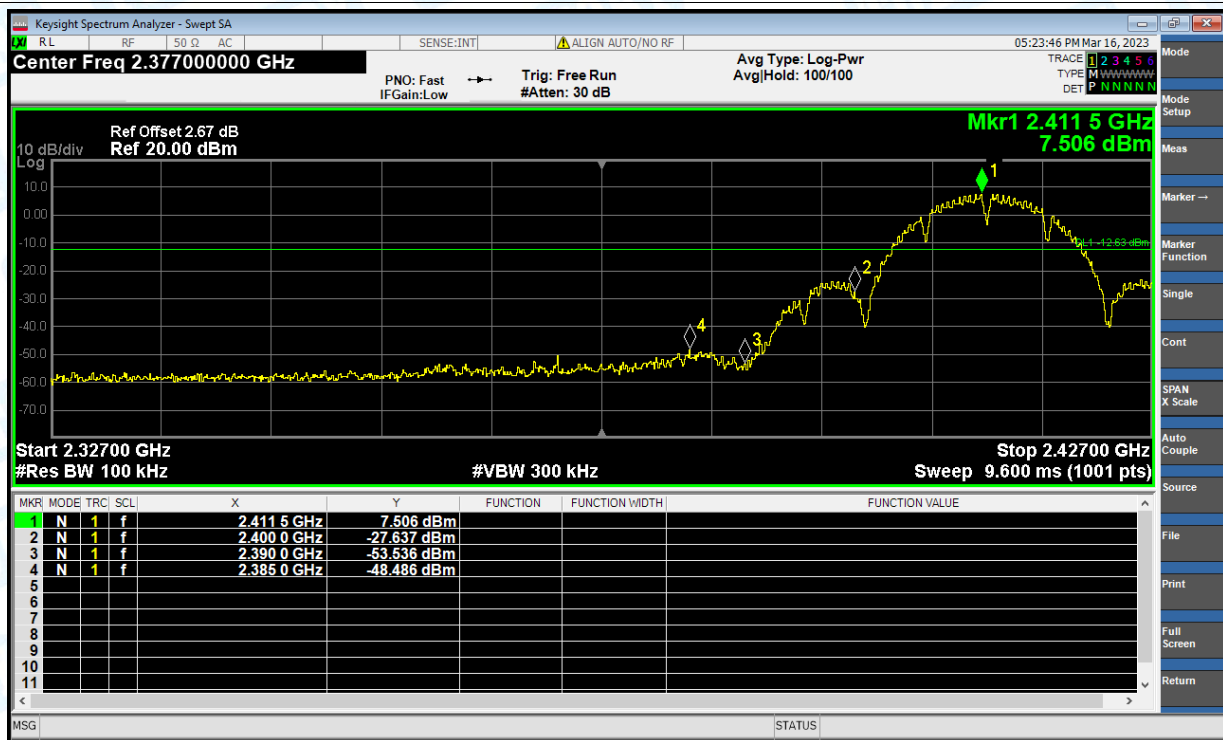
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.86	-20	Pass
NVNT	b	2462	Ant1	-53.31	-20	Pass
NVNT	g	2412	Ant1	-39.08	-20	Pass
NVNT	g	2462	Ant1	-44.75	-20	Pass

Test Graphs

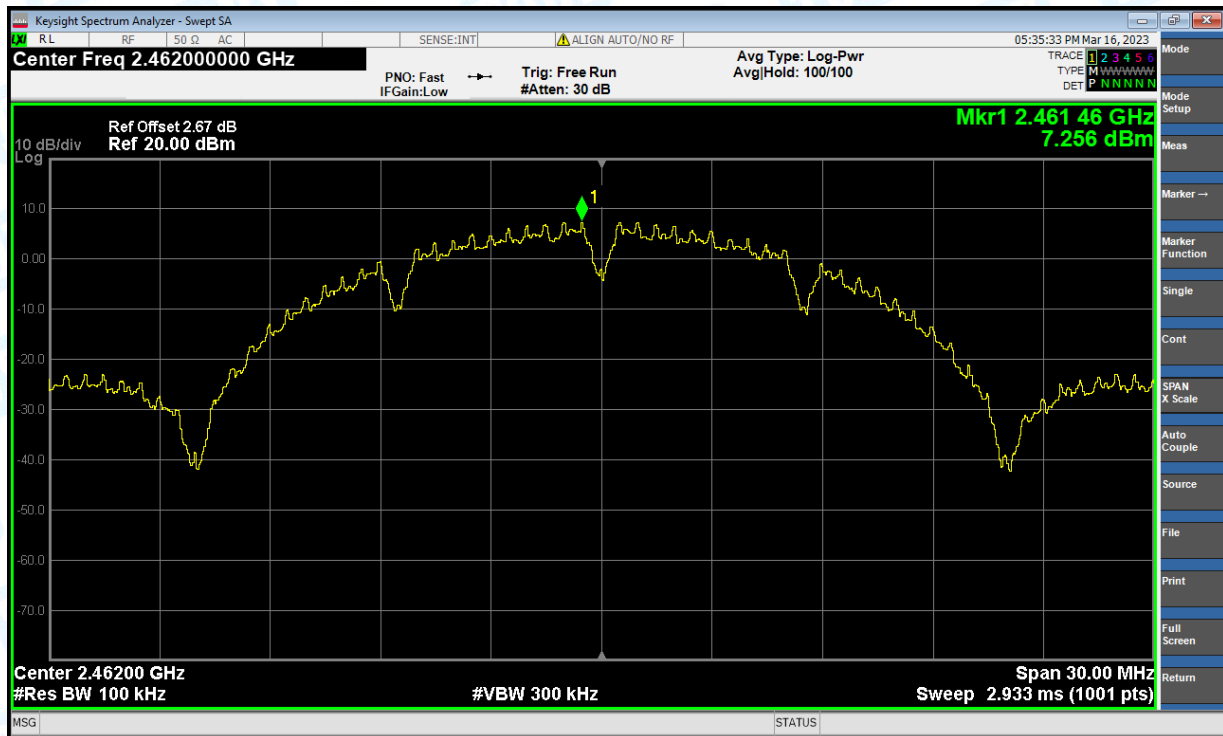
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



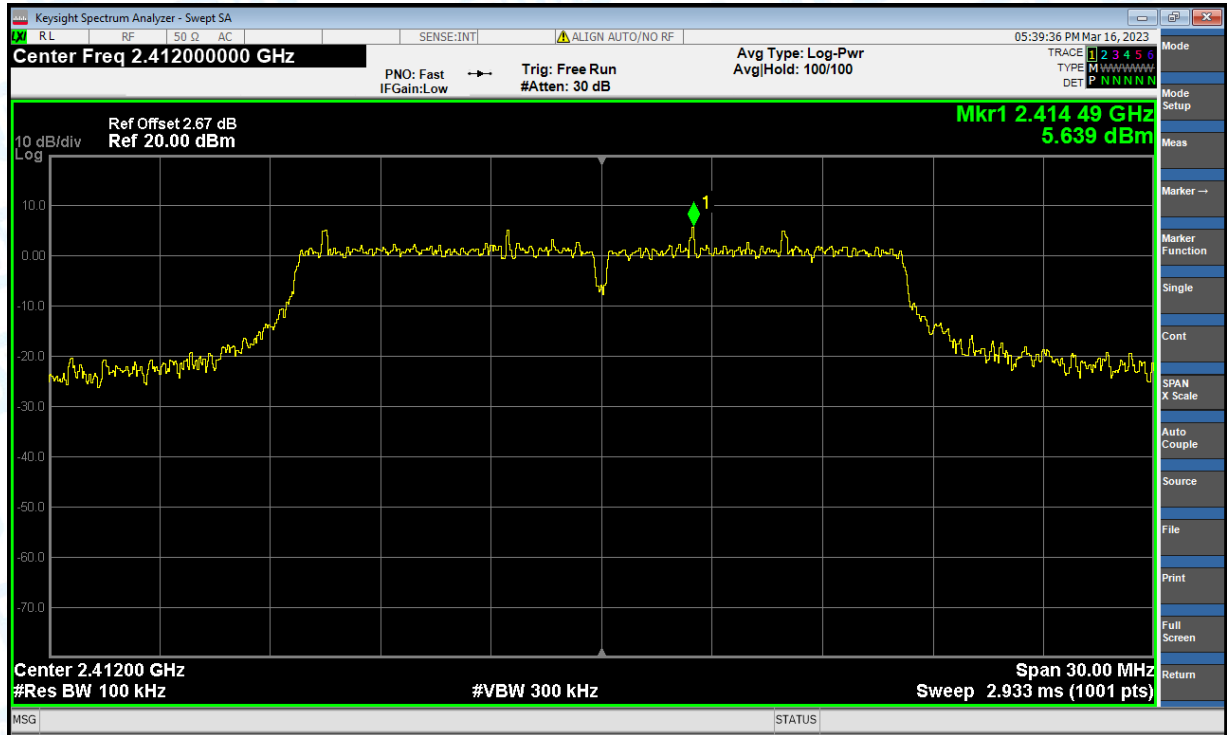
Band Edge NVNT b 2462MHz Ant1 Ref



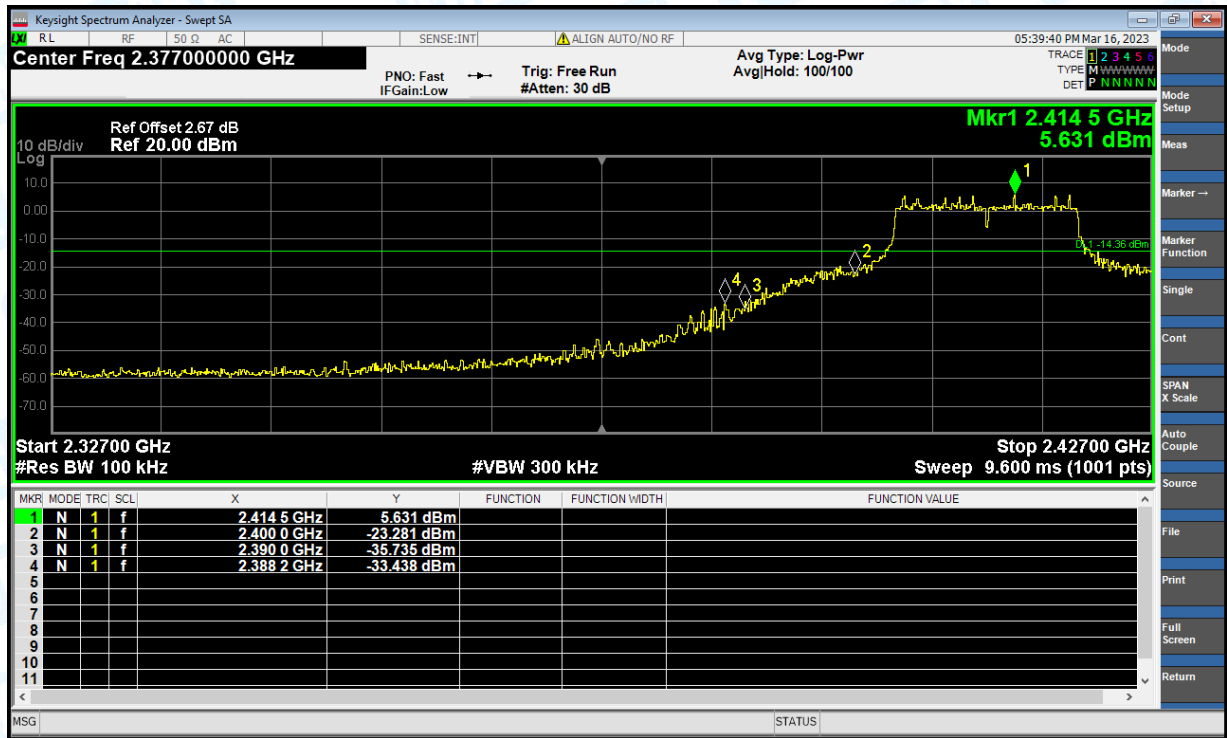
Band Edge NVNT b 2462MHz Ant1 Emission



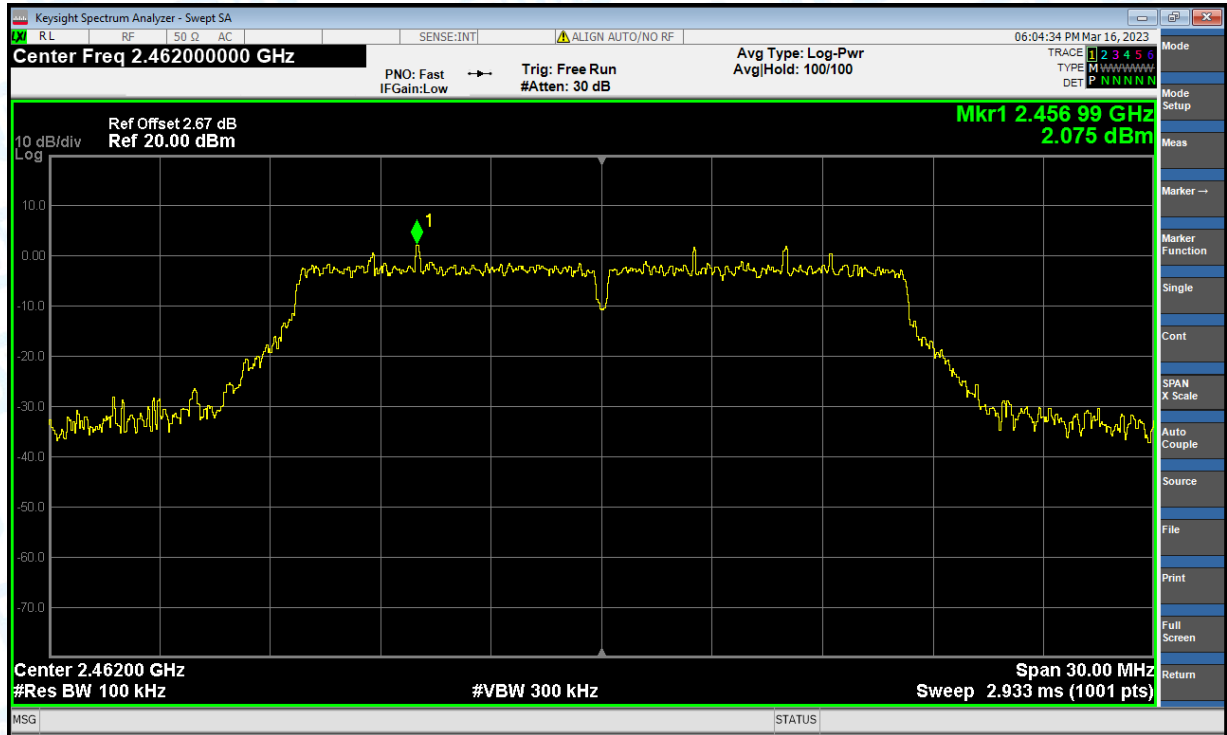
Band Edge NVNT g 2412MHz Ant1 Ref



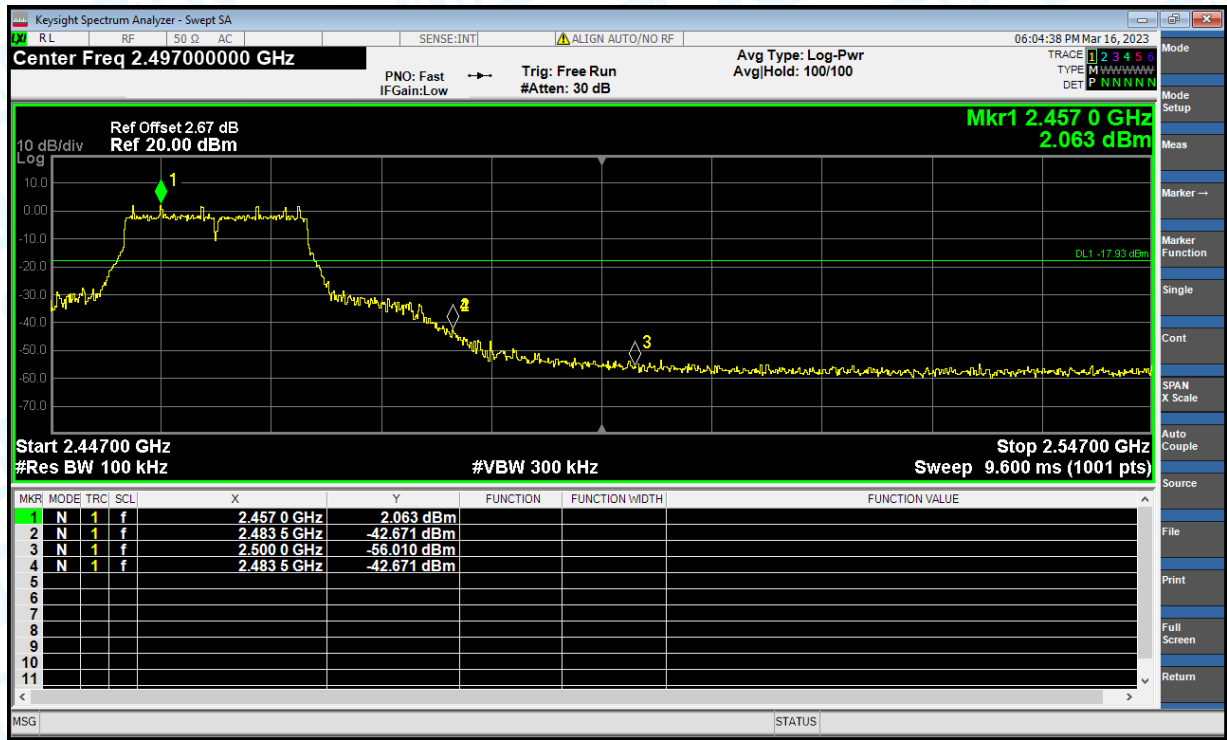
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission

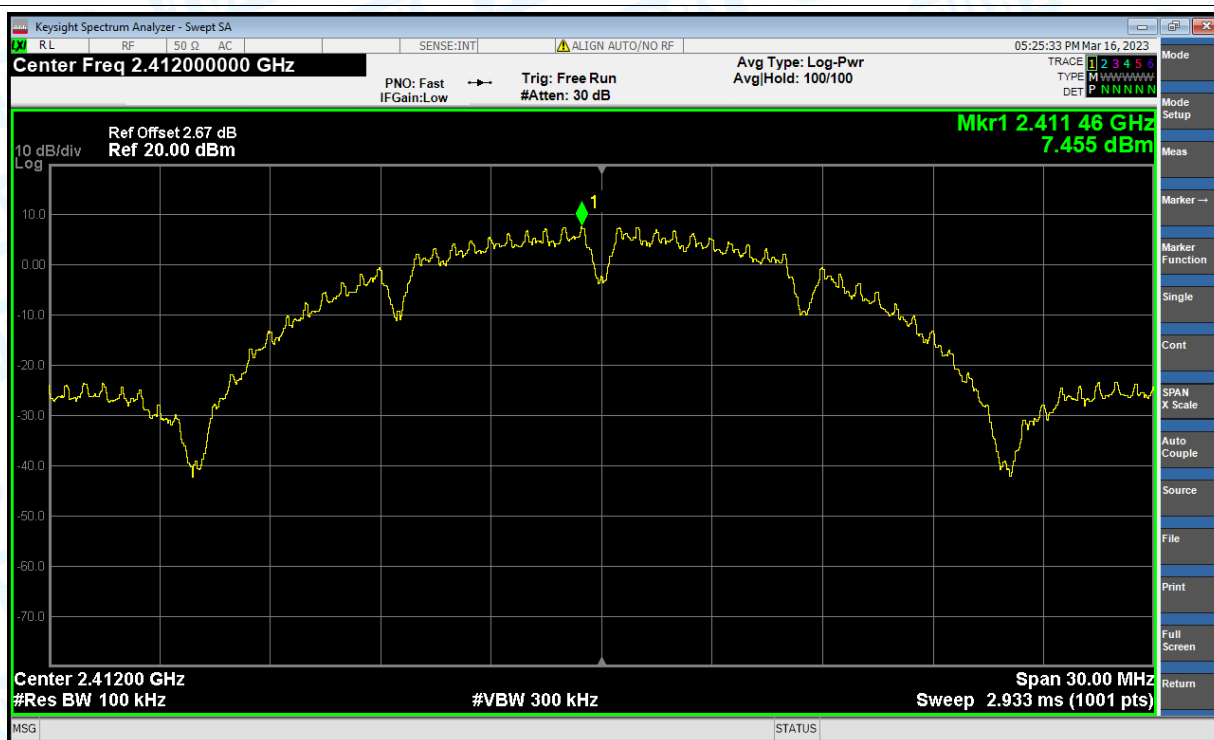


Conducted RF Spurious Emission

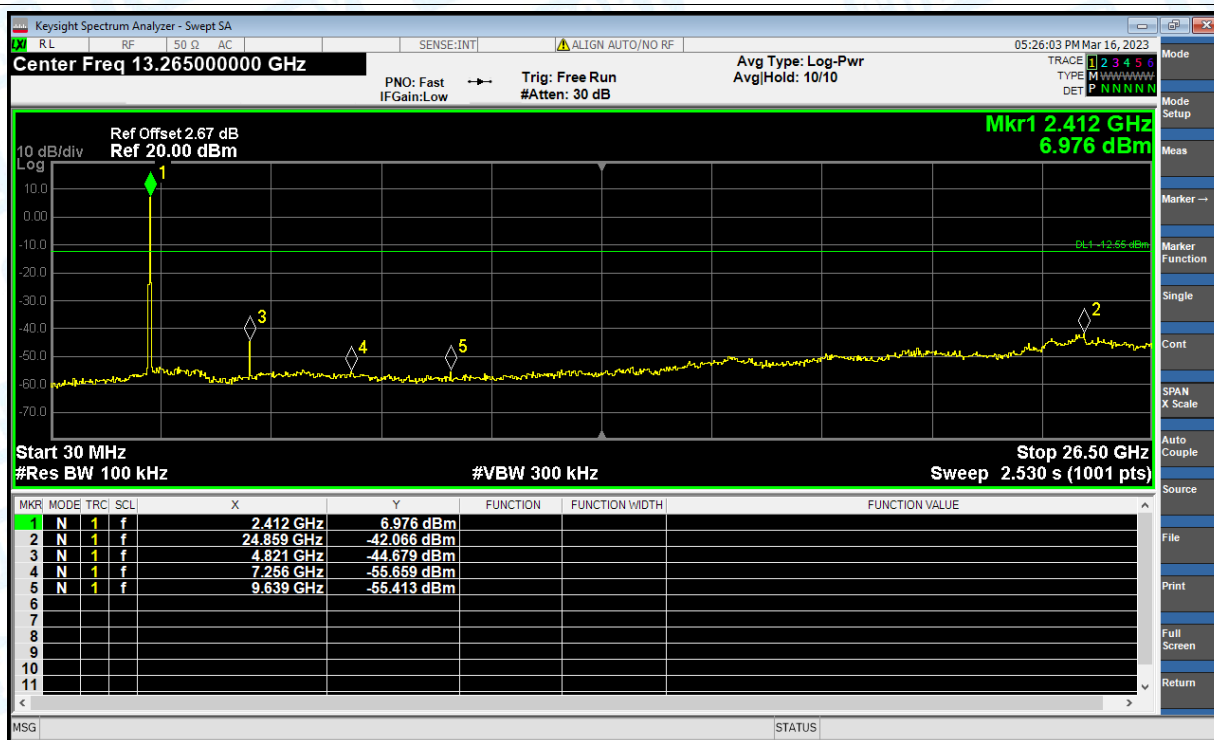
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.53	-20	Pass
NVNT	b	2437	Ant1	-48.09	-20	Pass
NVNT	b	2462	Ant1	-49.84	-20	Pass
NVNT	g	2412	Ant1	-48.25	-20	Pass
NVNT	g	2437	Ant1	-44.22	-20	Pass
NVNT	g	2462	Ant1	-43.84	-20	Pass

Test Graphs

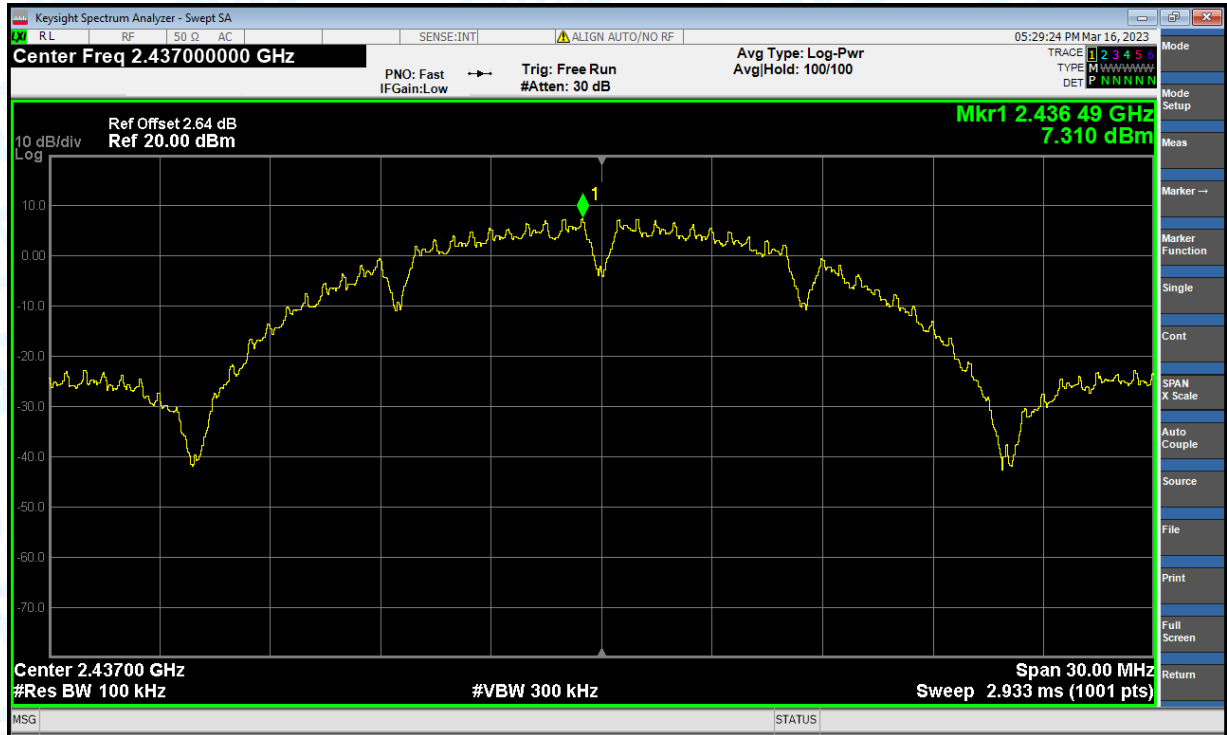
Tx. Spurious NVNT b 2412MHz Ant1 Ref



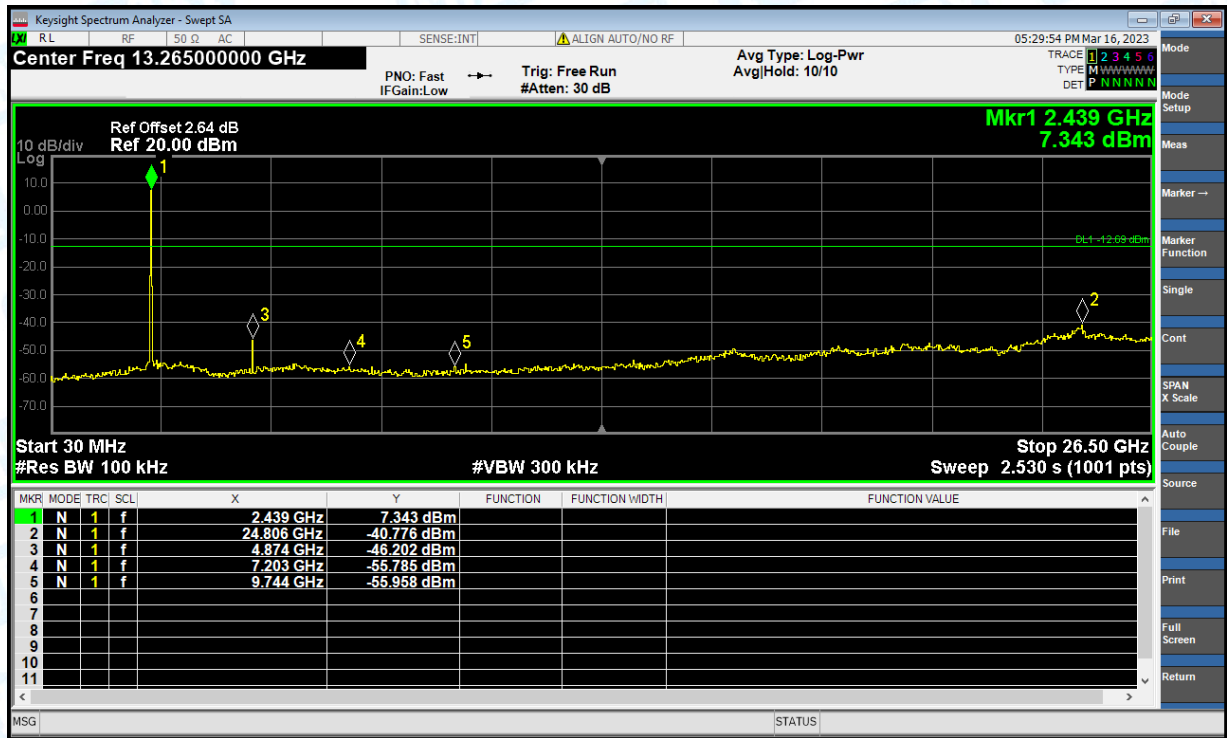
Tx. Spurious NVNT b 2412MHz Ant1 Emission



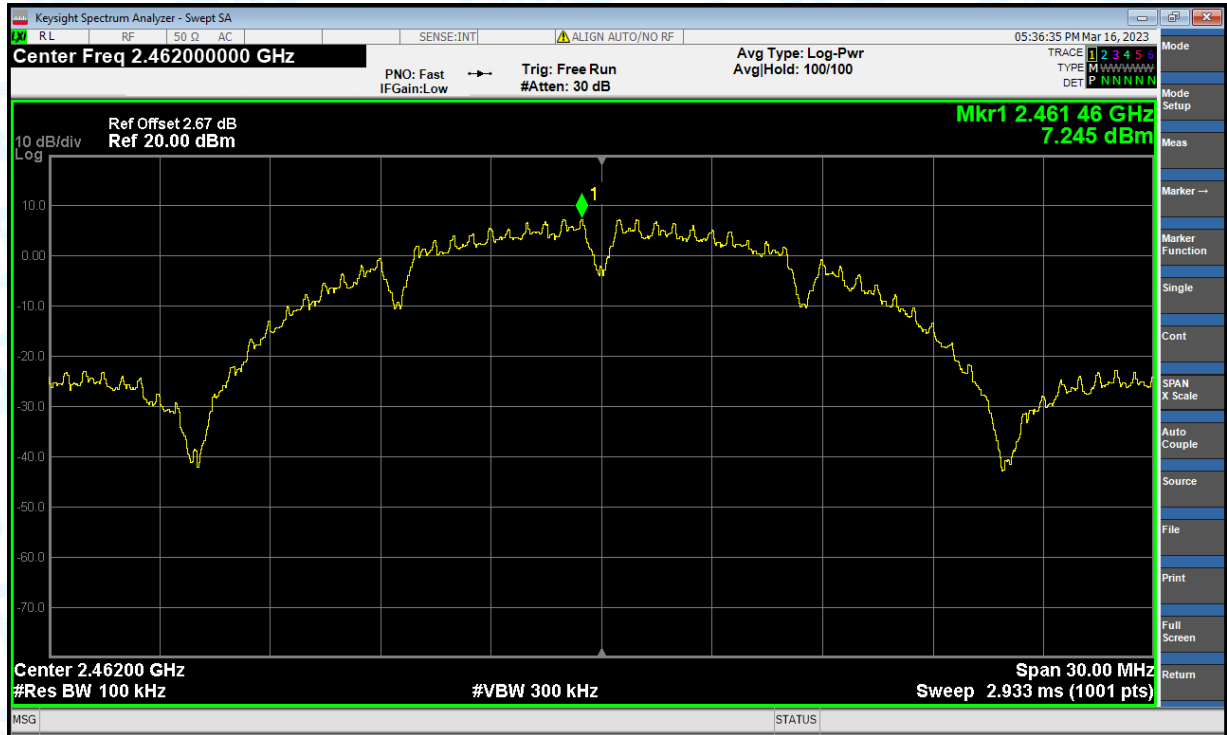
Tx. Spurious NVNT b 2437MHz Ant1 Ref



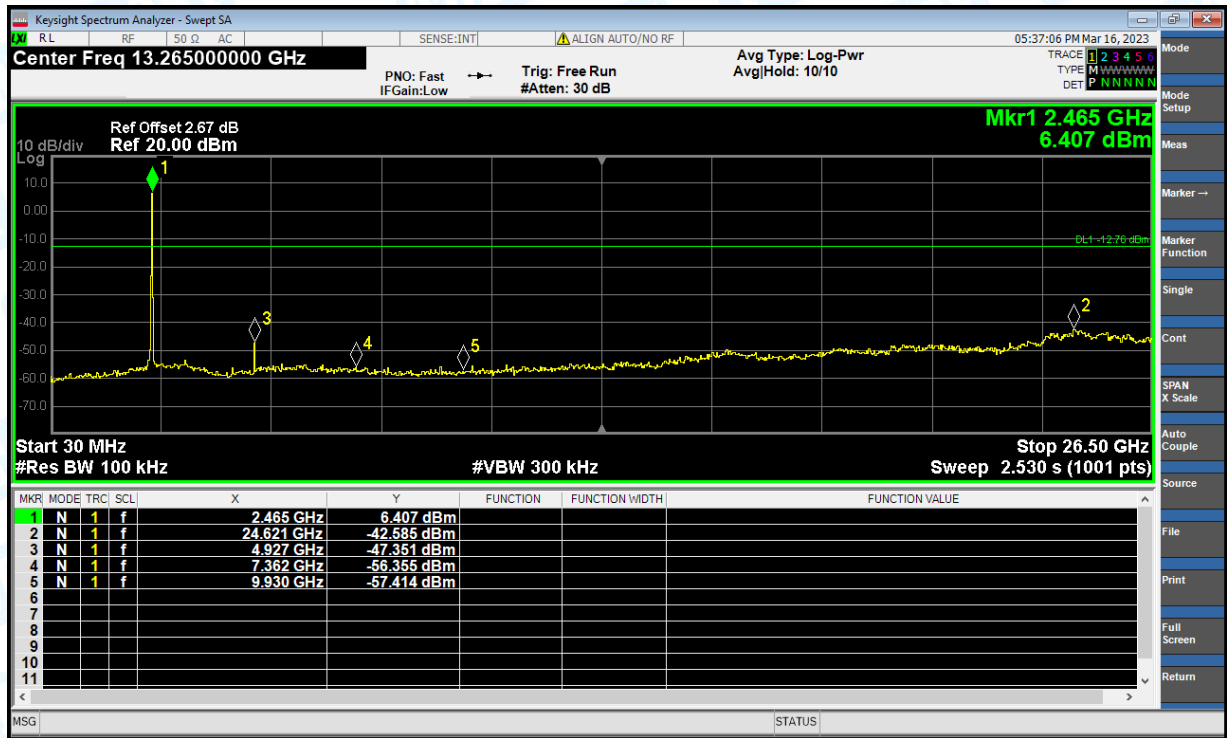
Tx. Spurious NVNT b 2437MHz Ant1 Emission



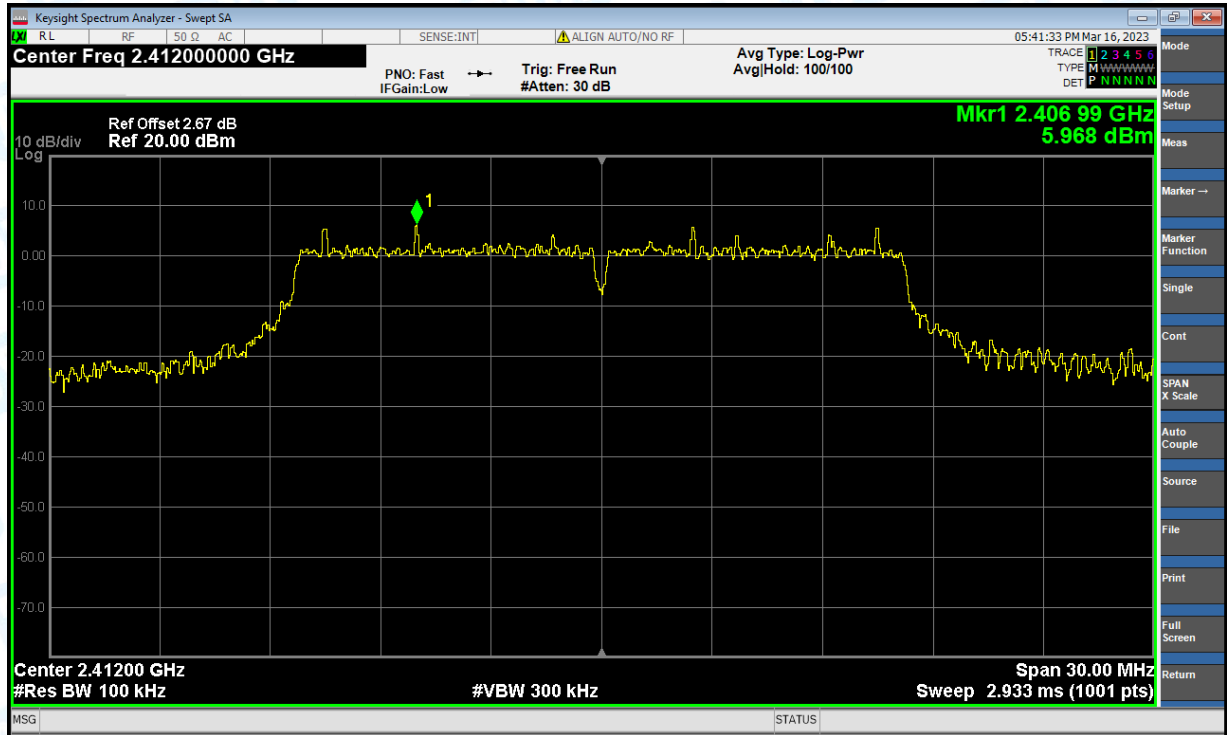
Tx. Spurious NVNT b 2462MHz Ant1 Ref



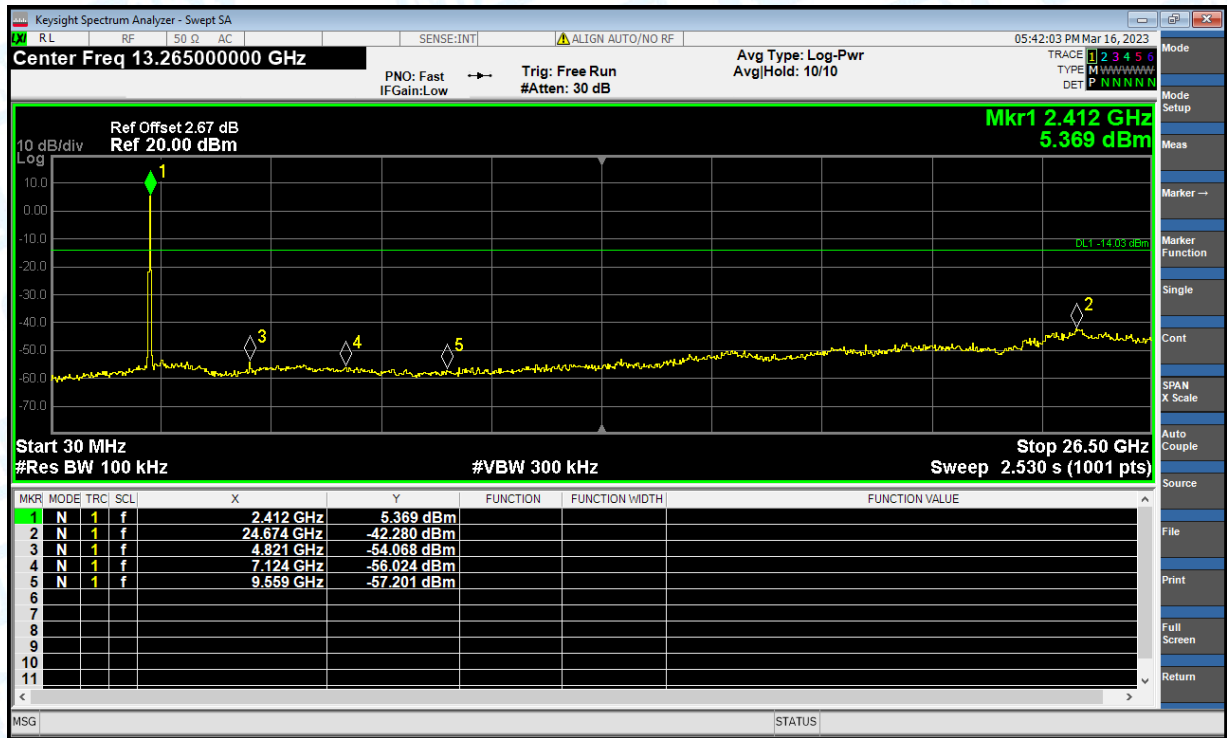
Tx. Spurious NVNT b 2462MHz Ant1 Emission



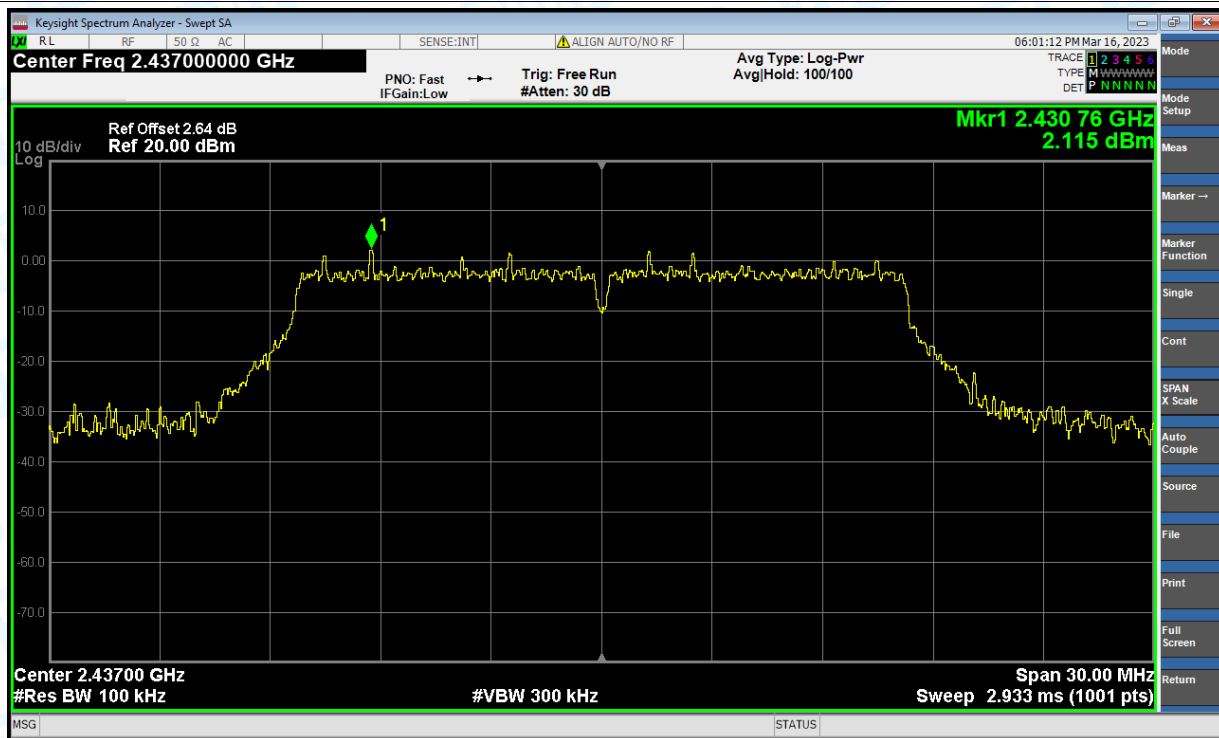
Tx. Spurious NVNT g 2412MHz Ant1 Ref



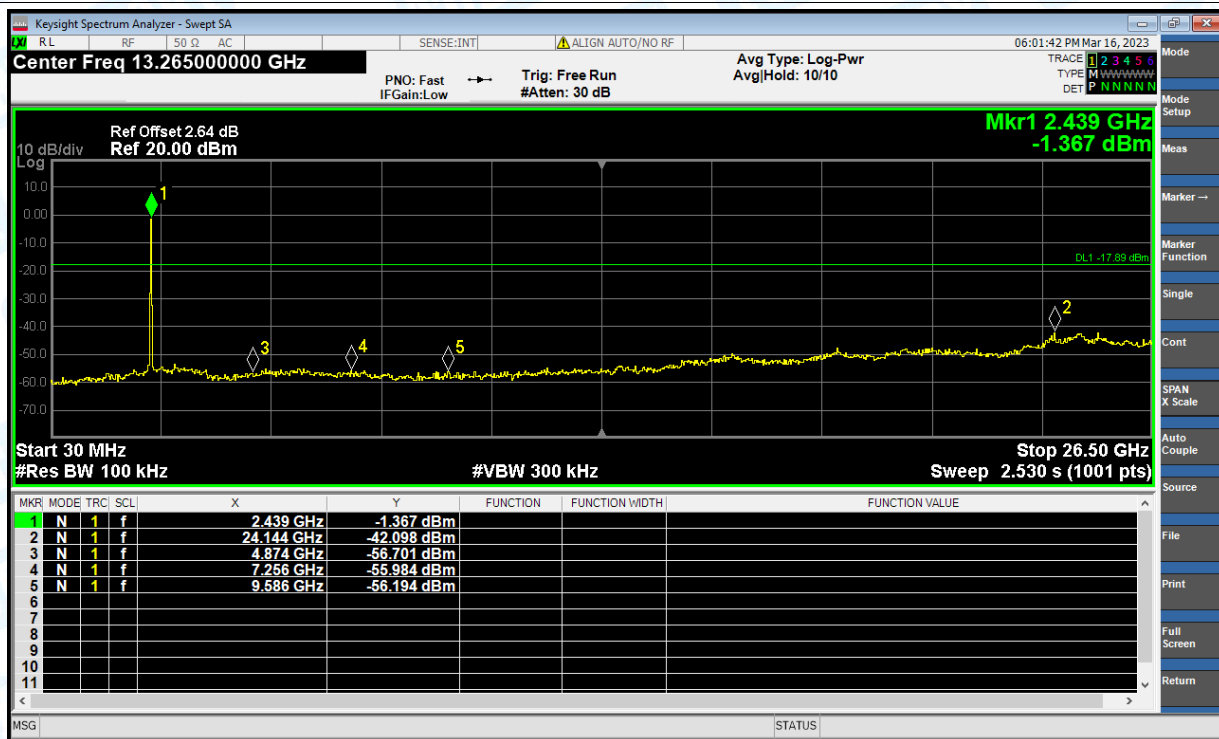
Tx. Spurious NVNT g 2412MHz Ant1 Emission



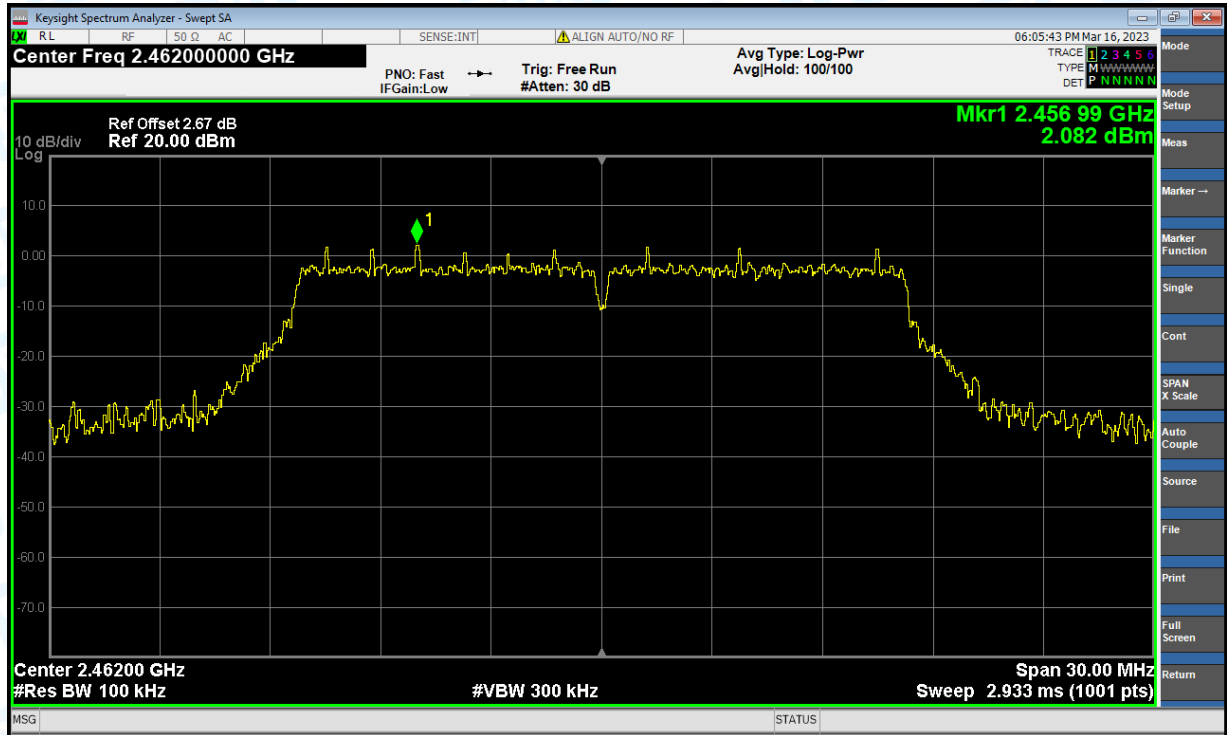
Tx. Spurious NVNT g 2437MHz Ant1 Ref



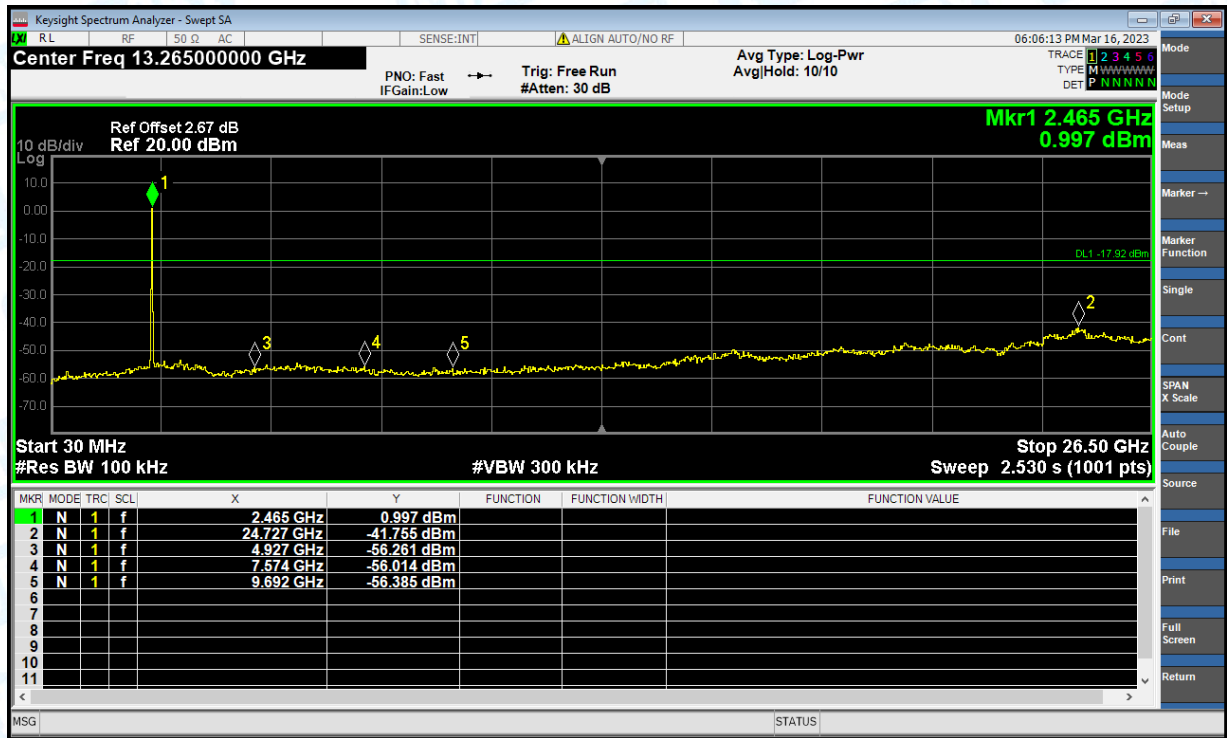
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission

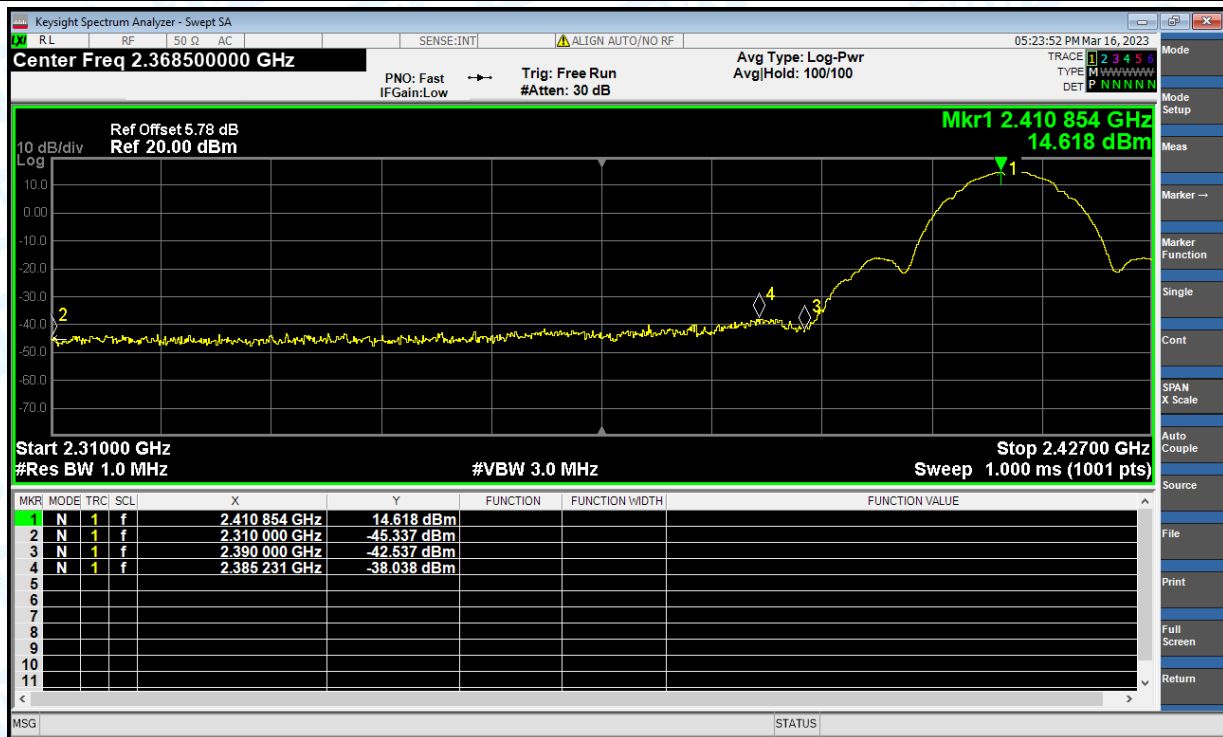


Restrict Band

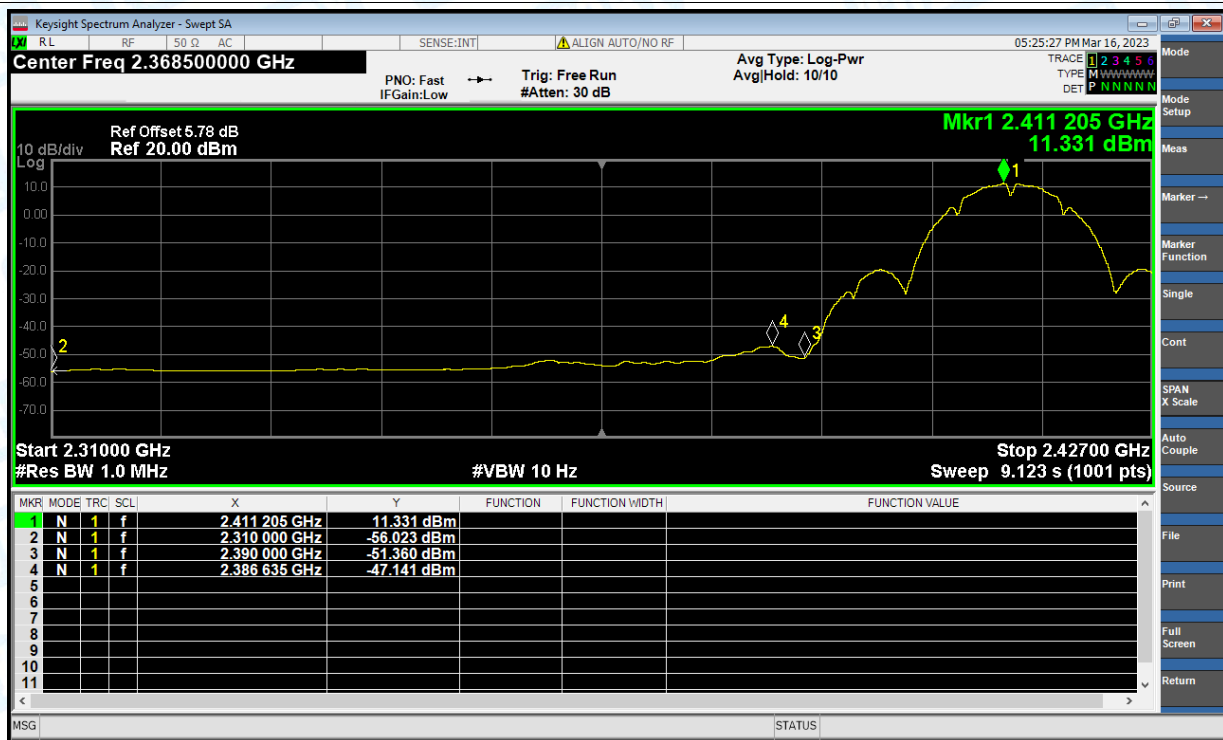
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-45.34	3.11	53.03	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-56.02	3.11	42.35	Average	54	Pass
NVNT	b	2412	Ant1	2385.231	-38.04	3.11	60.33	Peak	74	Pass
NVNT	b	2412	Ant1	2386.635	-47.14	3.11	51.23	Average	54	Pass
NVNT	b	2412	Ant1	2390	-42.54	3.11	55.83	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-51.36	3.11	47.01	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-39.43	3.11	58.94	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-48.38	3.11	49.99	Average	54	Pass
NVNT	b	2462	Ant1	2488.34	-37.09	3.11	61.28	Peak	74	Pass
NVNT	b	2462	Ant1	2486.697	-46.2	3.11	52.17	Average	54	Pass
NVNT	b	2462	Ant1	2500	-43.29	3.11	55.08	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-53.58	3.11	44.79	Average	54	Pass
NVNT	g	2412	Ant1	2310	-46.94	3.11	51.43	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-56.01	3.11	42.36	Average	54	Pass
NVNT	g	2412	Ant1	2389.326	-30.98	3.11	67.39	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-45.45	3.11	52.92	Average	54	Pass
NVNT	g	2412	Ant1	2390	-33.76	3.11	64.61	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-45.19	3.11	53.18	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-31.1	3.11	67.27	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-44.4	3.11	53.97	Average	54	Pass
NVNT	g	2462	Ant1	2483.57	-27.77	3.11	70.6	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-44.4	3.11	53.97	Average	54	Pass
NVNT	g	2462	Ant1	2500	-43.38	3.11	54.99	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-53.51	3.11	44.86	Average	54	Pass

Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak



Restrict Band NVNT b 2412MHz Ant1 Average



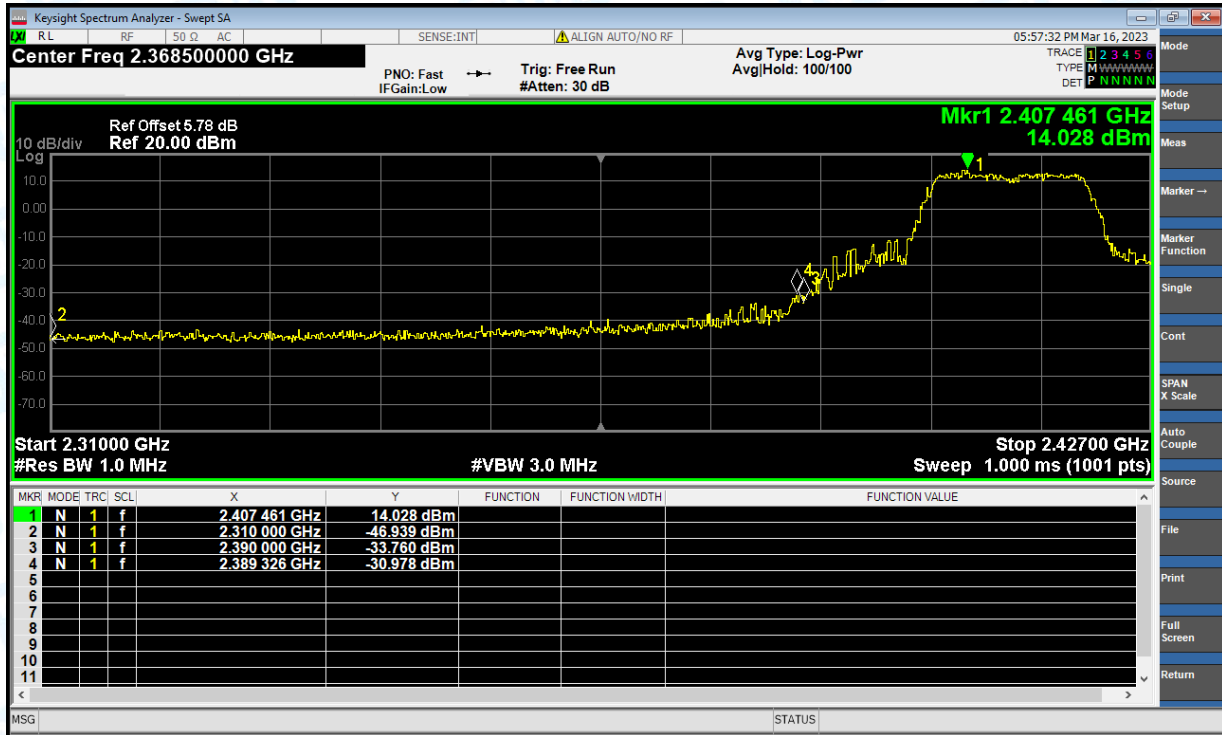
Restrict Band NVNT b 2462MHz Ant1 Peak



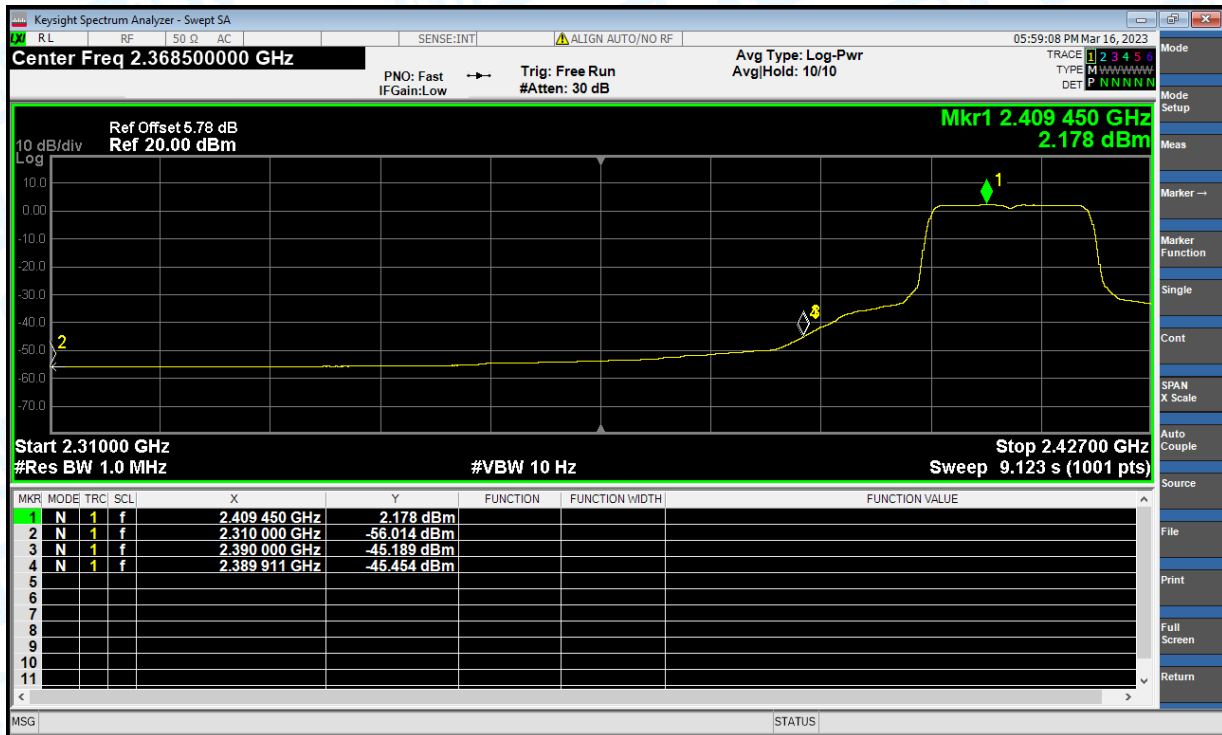
Restrict Band NVNT b 2462MHz Ant1 Average



Restrict Band NVNT g 2412MHz Ant1 Peak



Restrict Band NVNT g 2412MHz Ant1 Average



Restrict Band NVNT g 2462MHz Ant1 Peak



Restrict Band NVNT g 2462MHz Ant1 Average

