

RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	CP20
Sample ID:	HC-C-202305-0042-02-02
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202305-0042-2 The report only show the worst case data.	

Contents

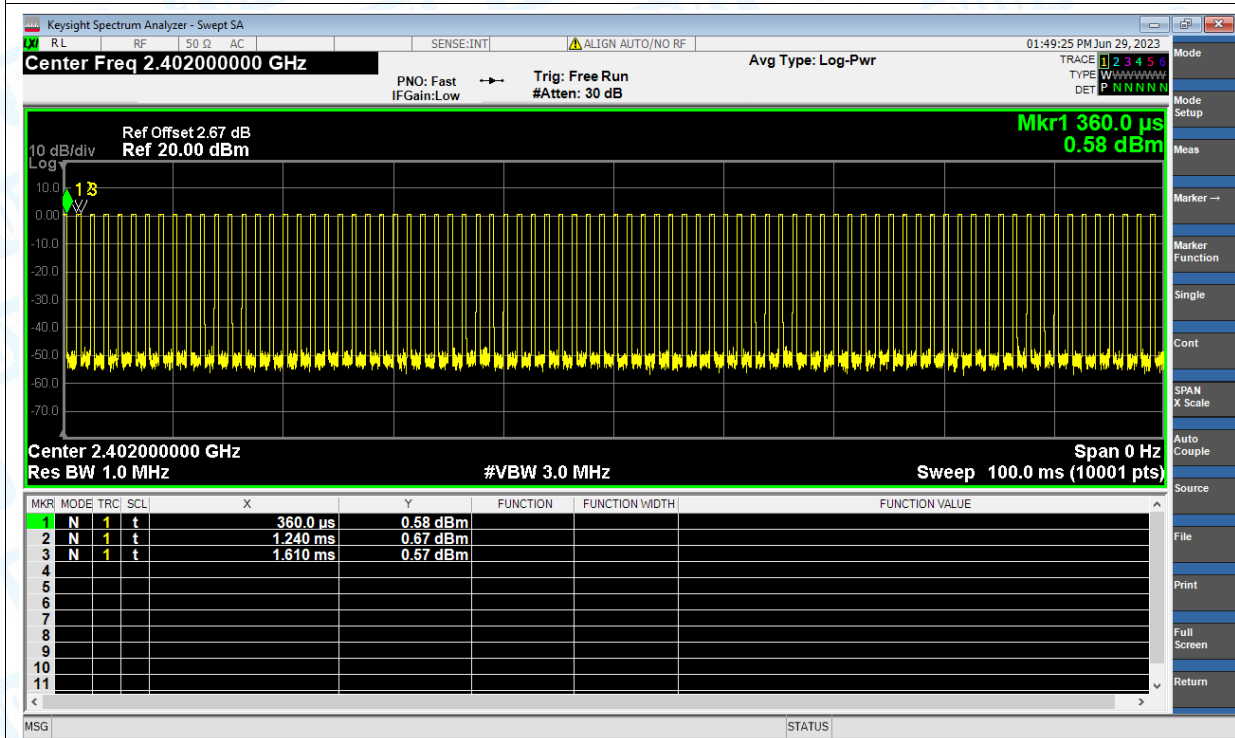
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1. Duty Cycle

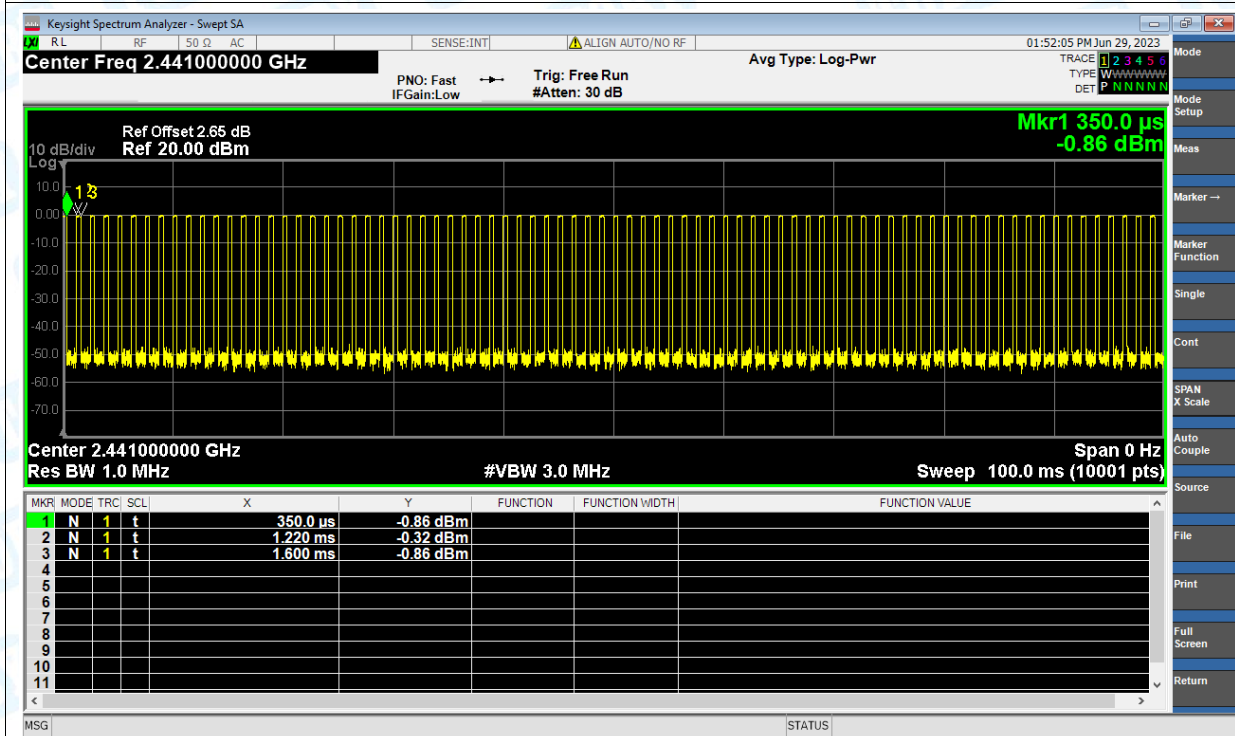
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	29.6	5.29	2.7
NVNT	1-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	3-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2480	Ant1	30.4	5.17	2.63

Test Graphs

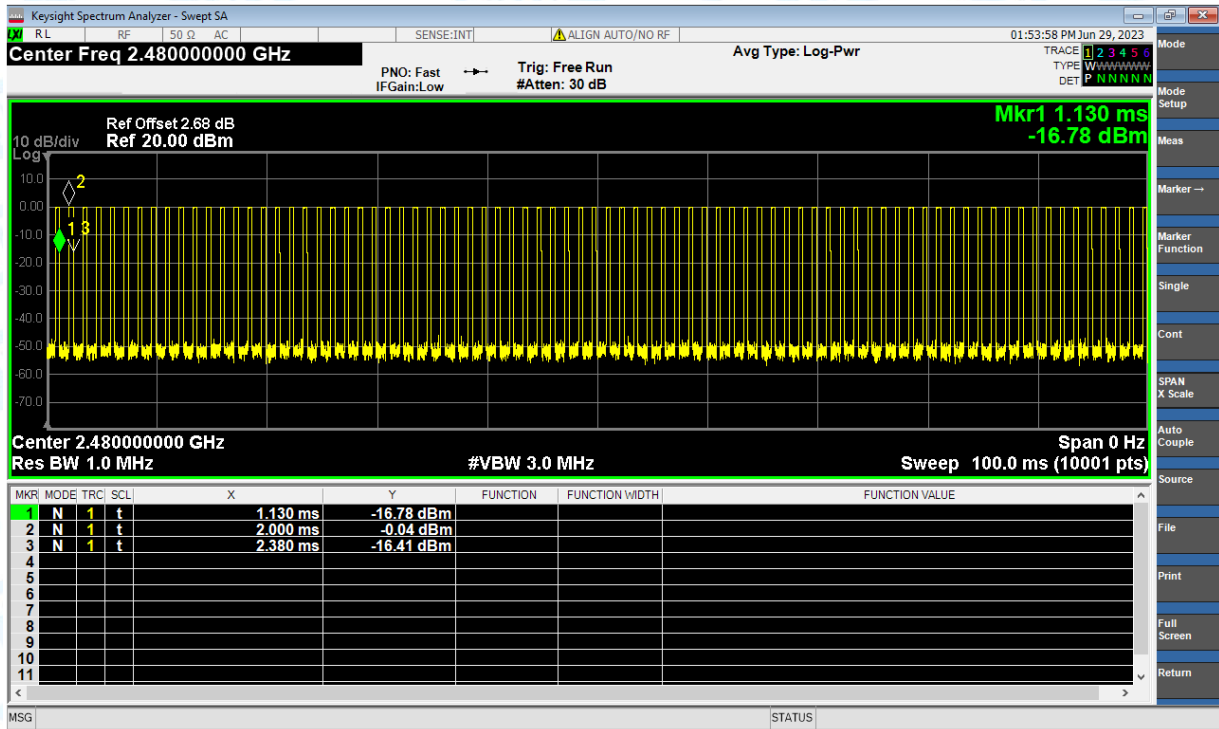
Duty Cycle NVNT 1-DH1 2402MHz Ant1



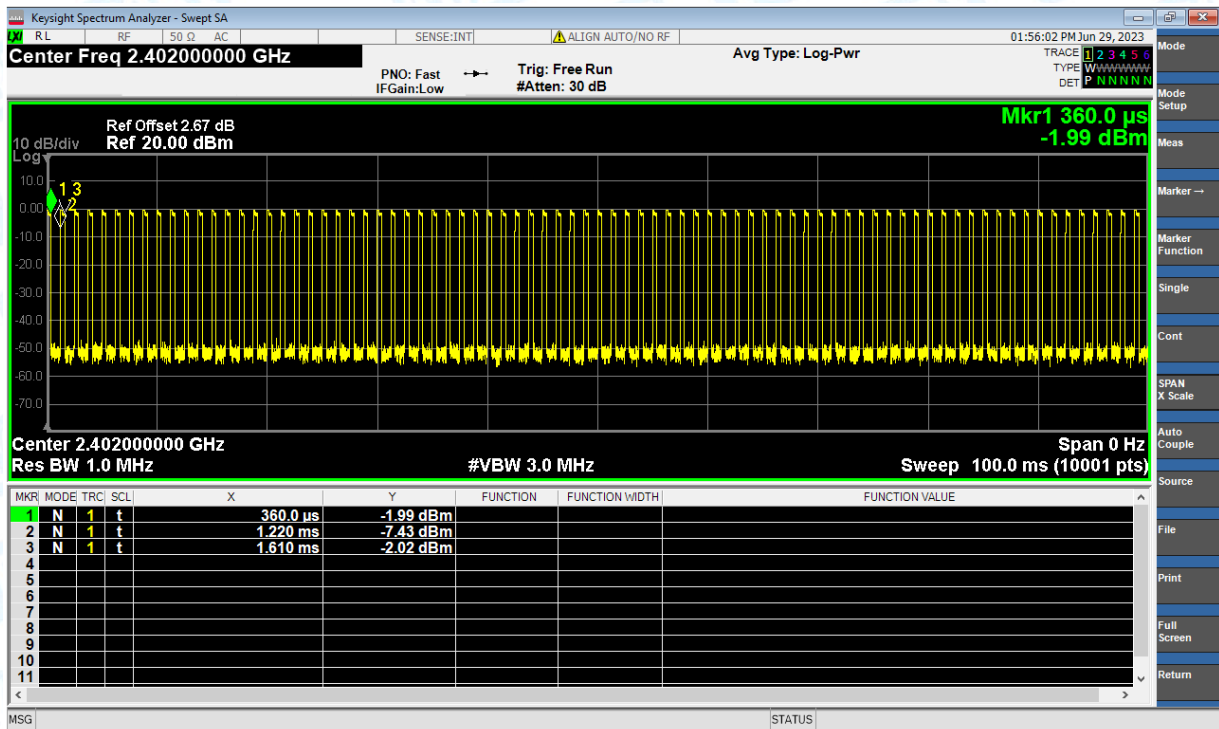
Duty Cycle NVNT 1-DH1 2441MHz Ant1



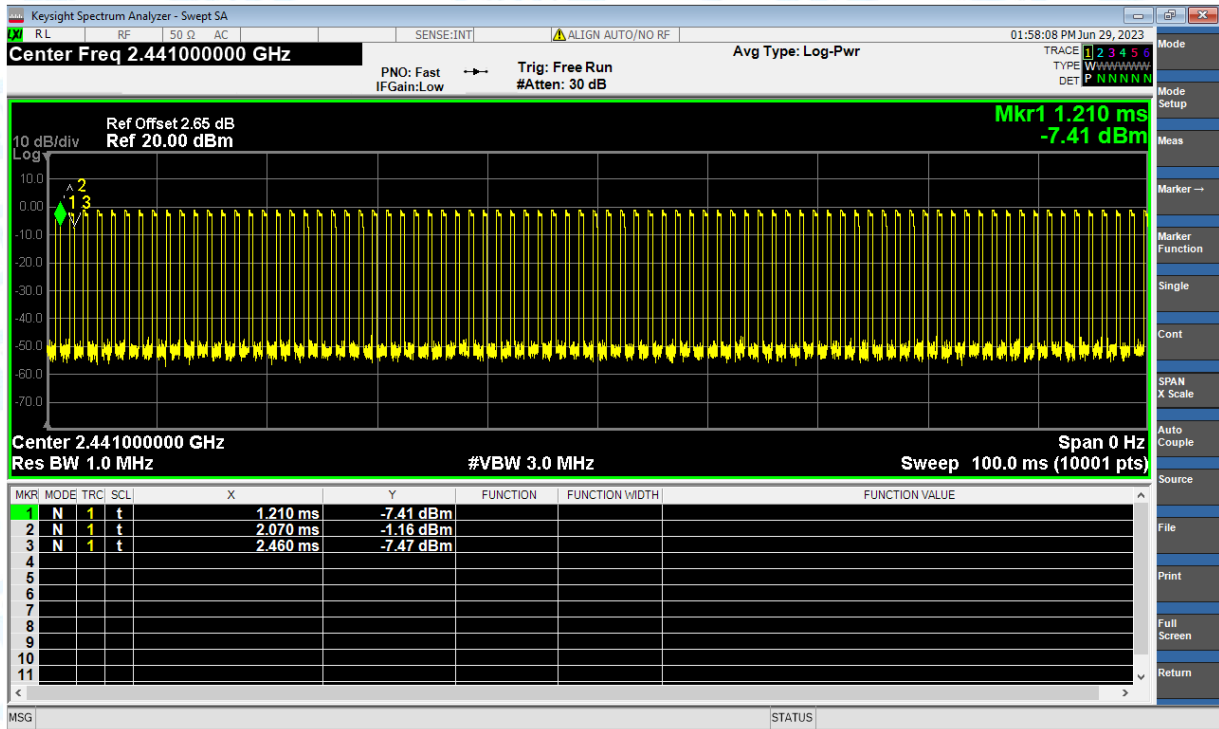
Duty Cycle NVNT 1-DH1 2480MHz Ant1



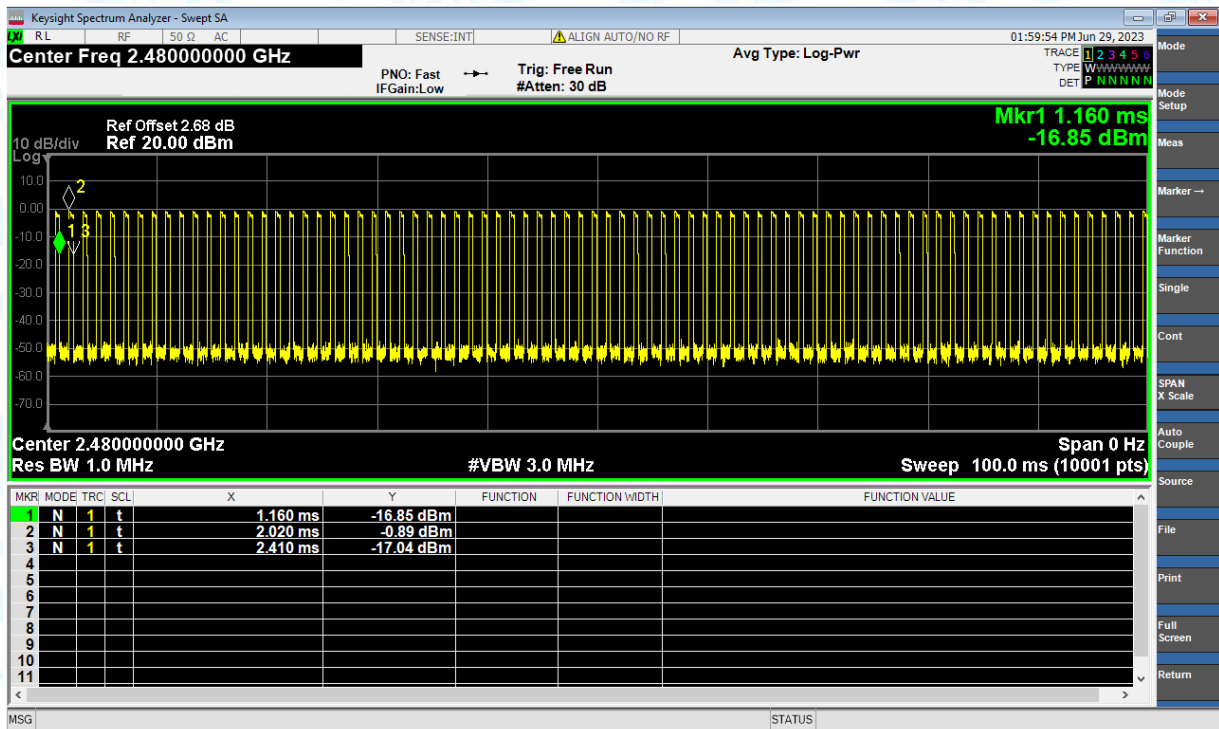
Duty Cycle NVNT 2-DH1 2402MHz Ant1



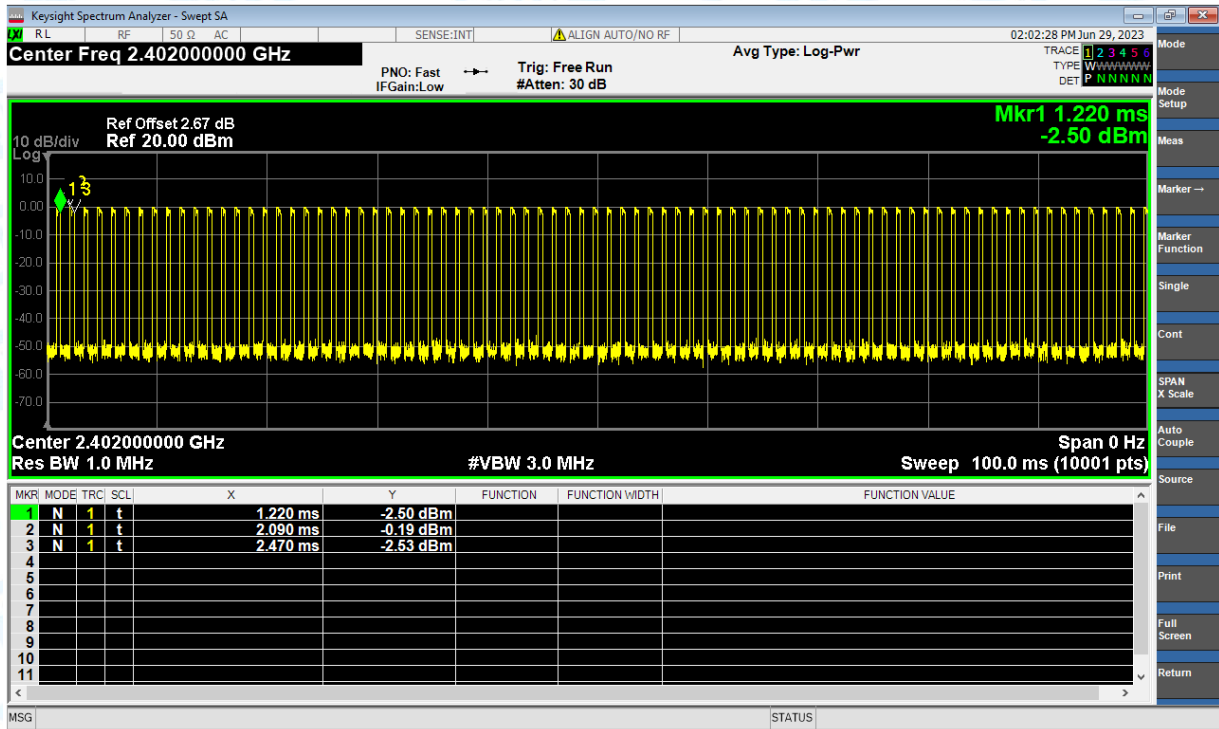
Duty Cycle NVNT 2-DH1 2441MHz Ant1



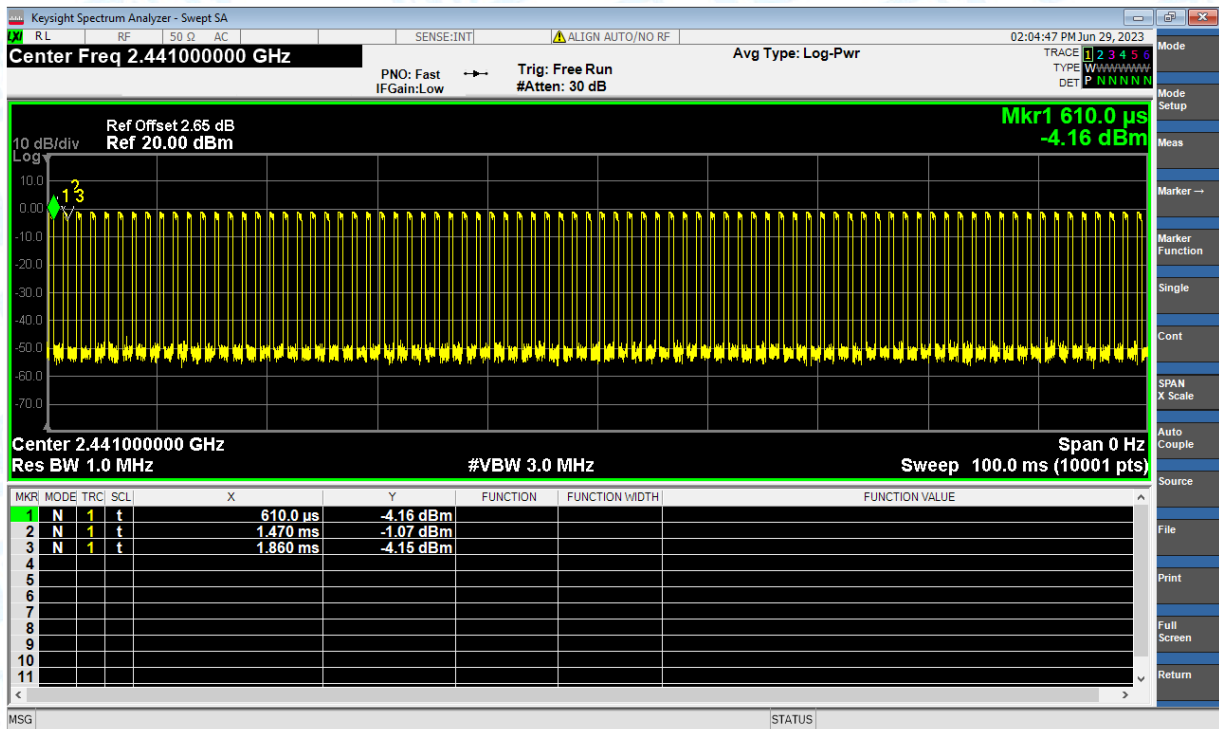
Duty Cycle NVNT 2-DH1 2480MHz Ant1

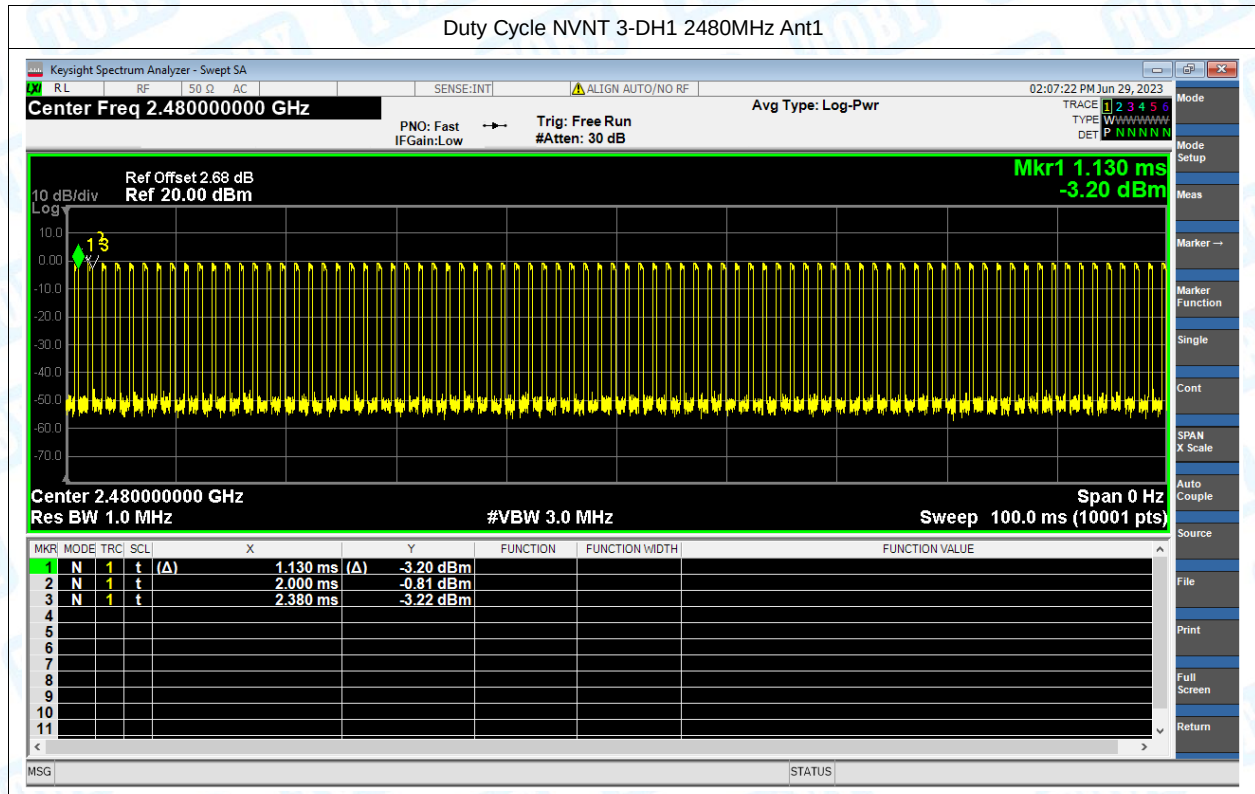


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



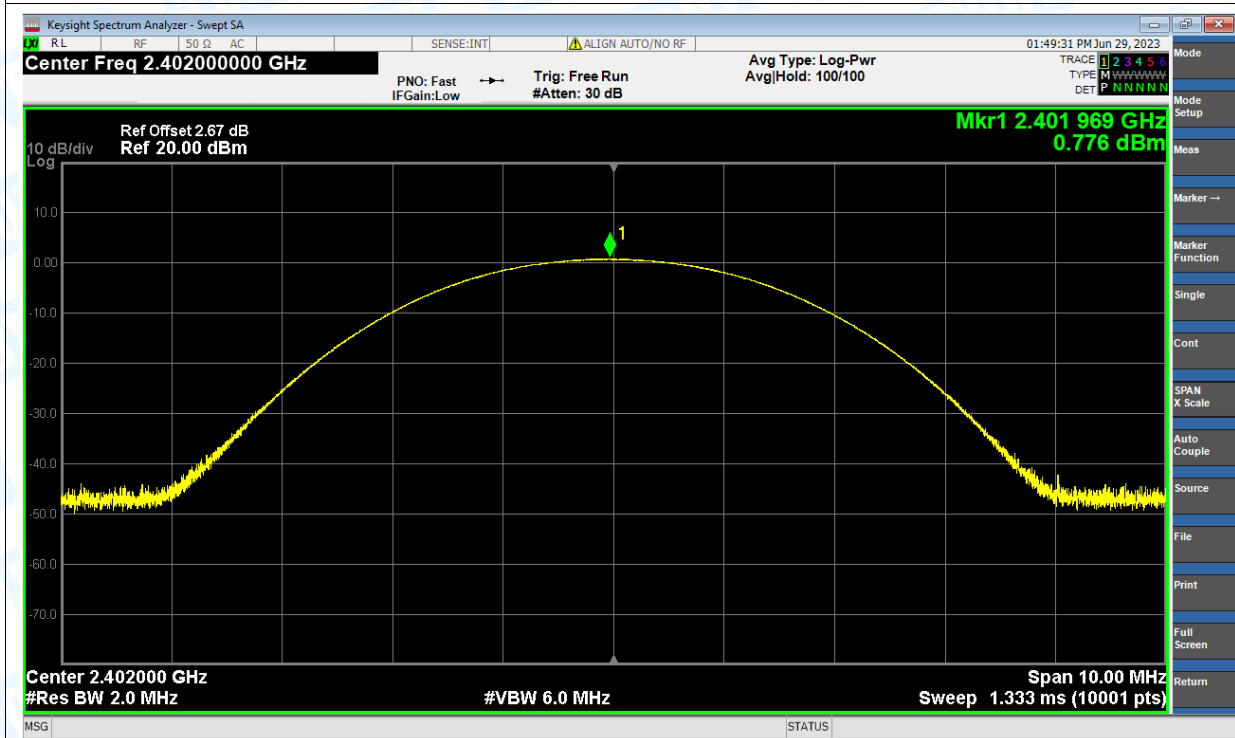


2. Maximum Conducted Output Power

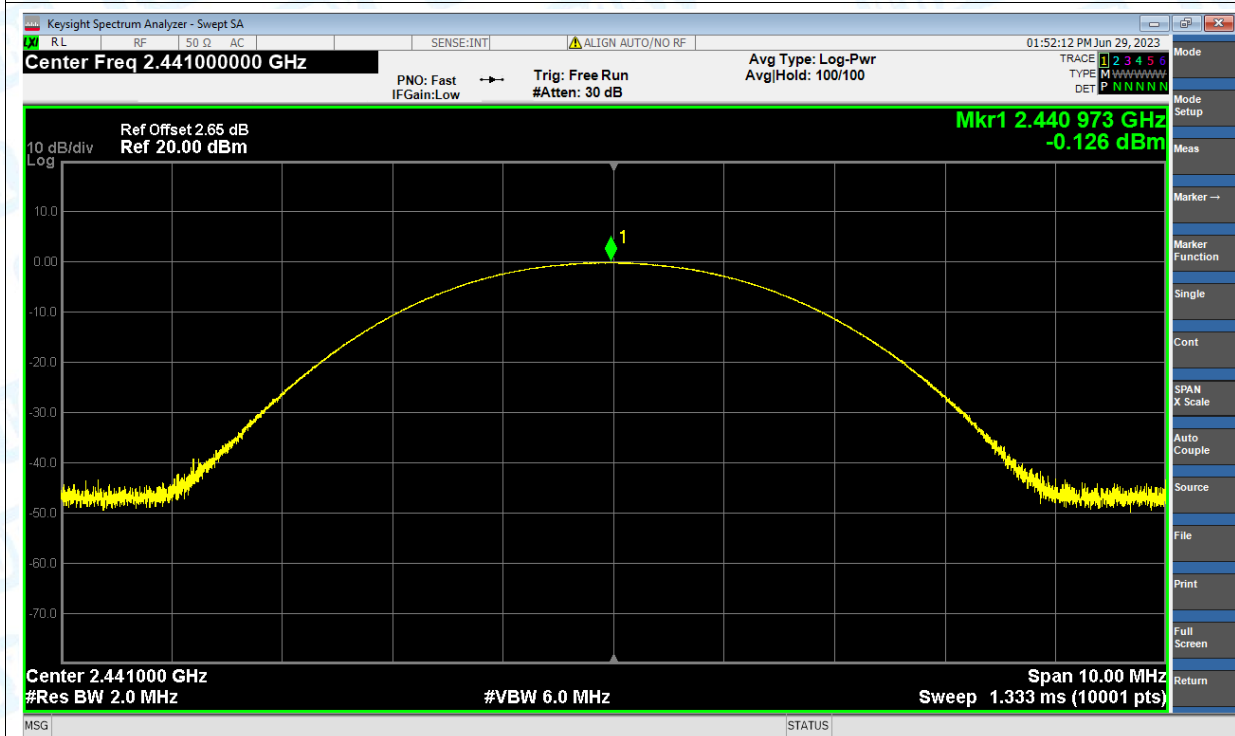
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.776	21	Pass
NVNT	1-DH1	2441	Ant1	-0.126	21	Pass
NVNT	1-DH1	2480	Ant1	0.088	21	Pass
NVNT	2-DH1	2402	Ant1	-0.136	21	Pass
NVNT	2-DH1	2441	Ant1	-1.049	21	Pass
NVNT	2-DH1	2480	Ant1	-0.772	21	Pass
NVNT	3-DH1	2402	Ant1	-0.068	21	Pass
NVNT	3-DH1	2441	Ant1	-0.951	21	Pass
NVNT	3-DH1	2480	Ant1	-0.681	21	Pass

Test Graphs

Power NVNT 1-DH1 2402MHz Ant1



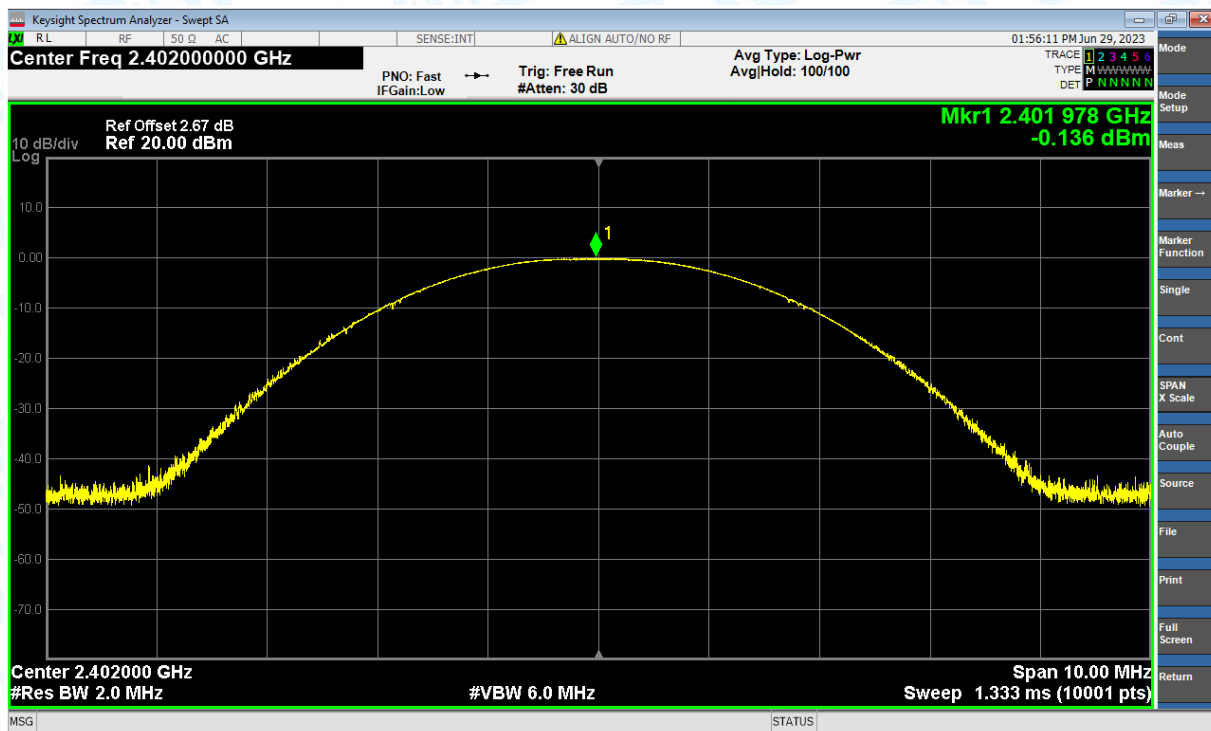
Power NVNT 1-DH1 2441MHz Ant1



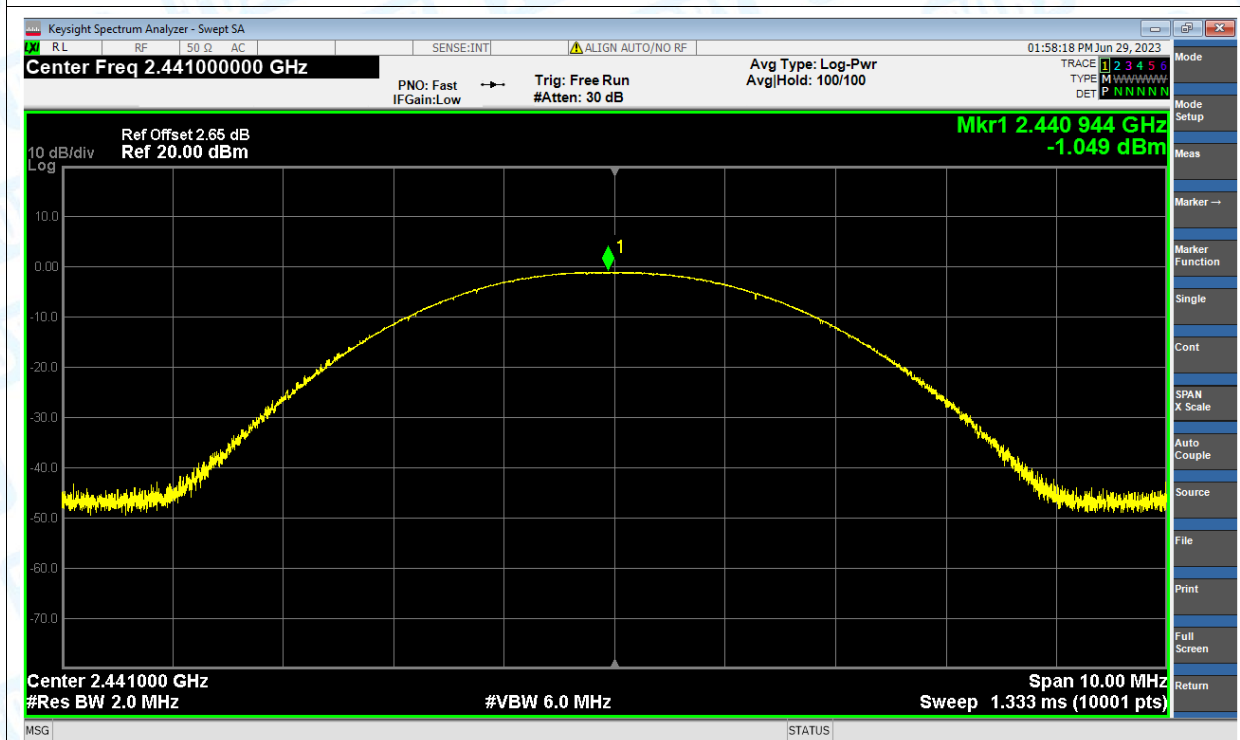
Power NVNT 1-DH1 2480MHz Ant1



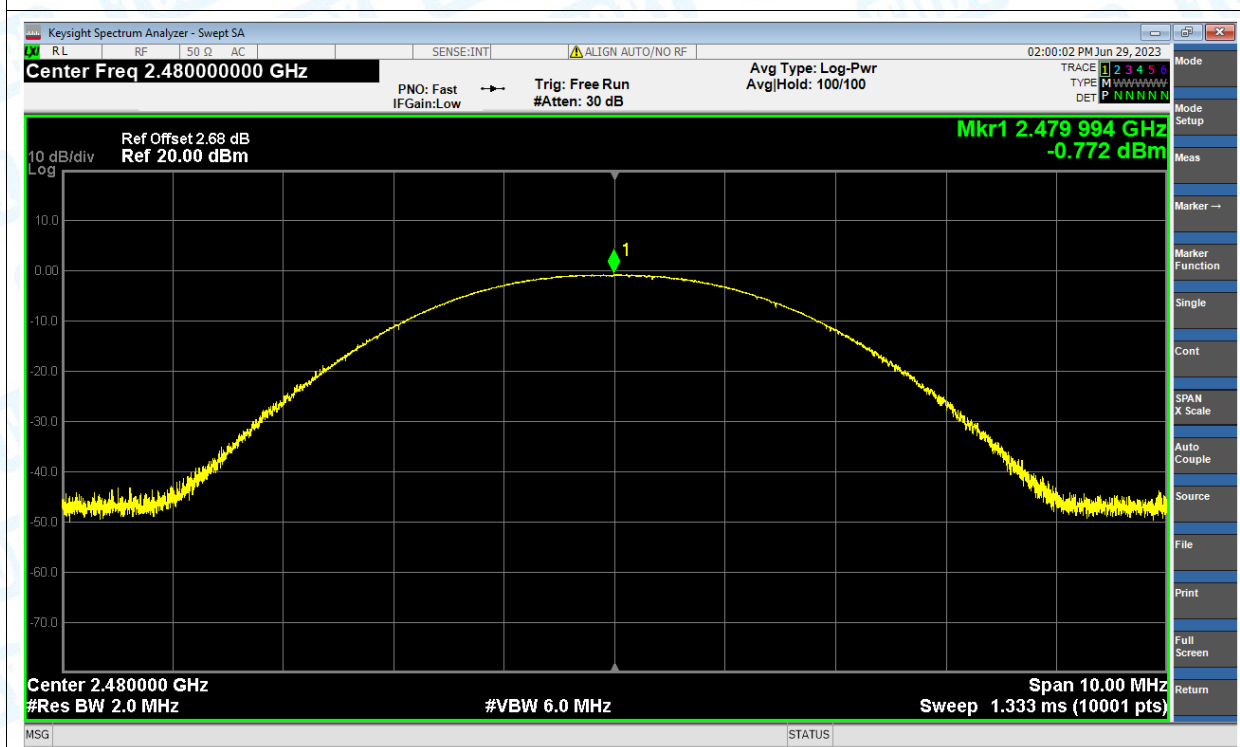
Power NVNT 2-DH1 2402MHz Ant1



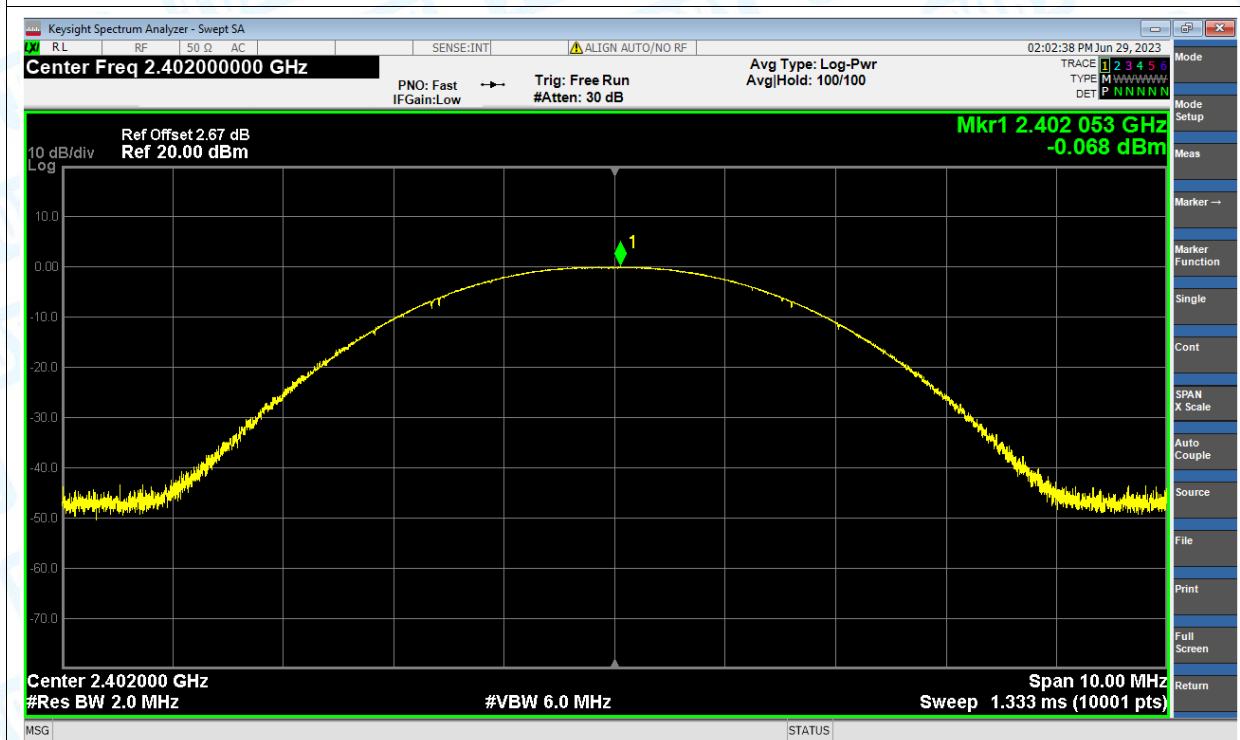
Power NVNT 2-DH1 2441MHz Ant1



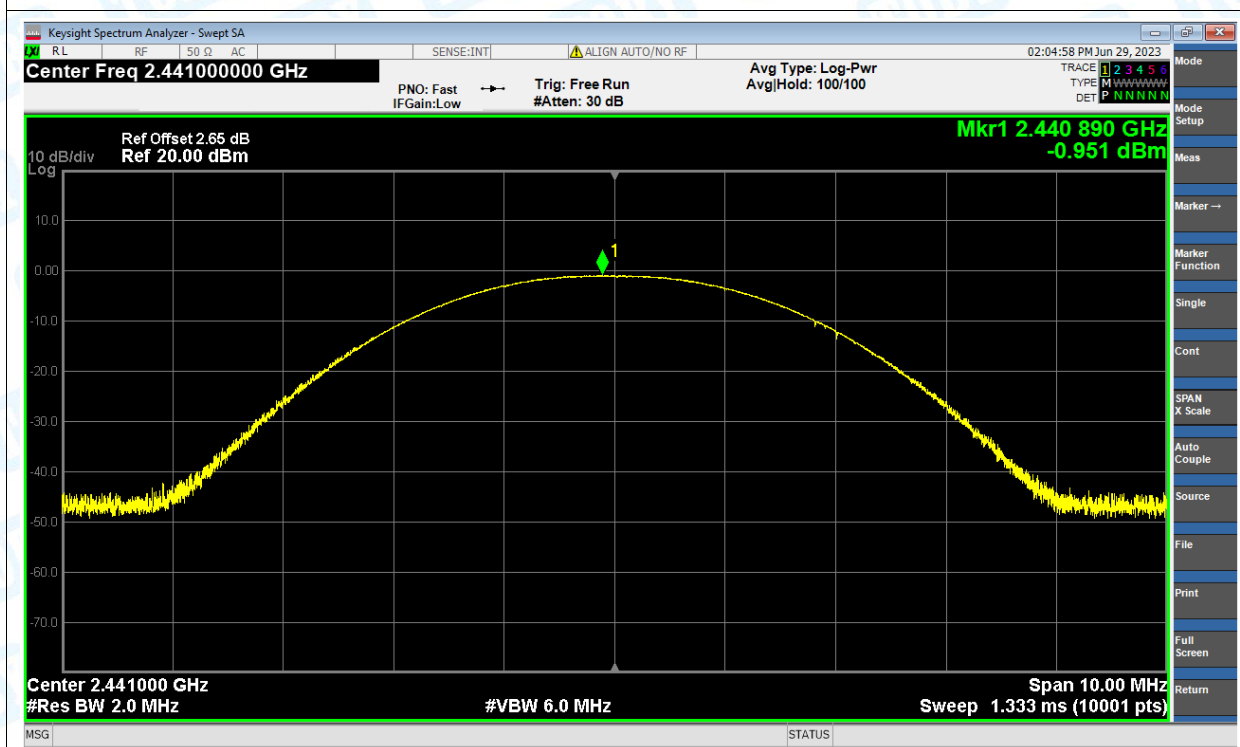
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



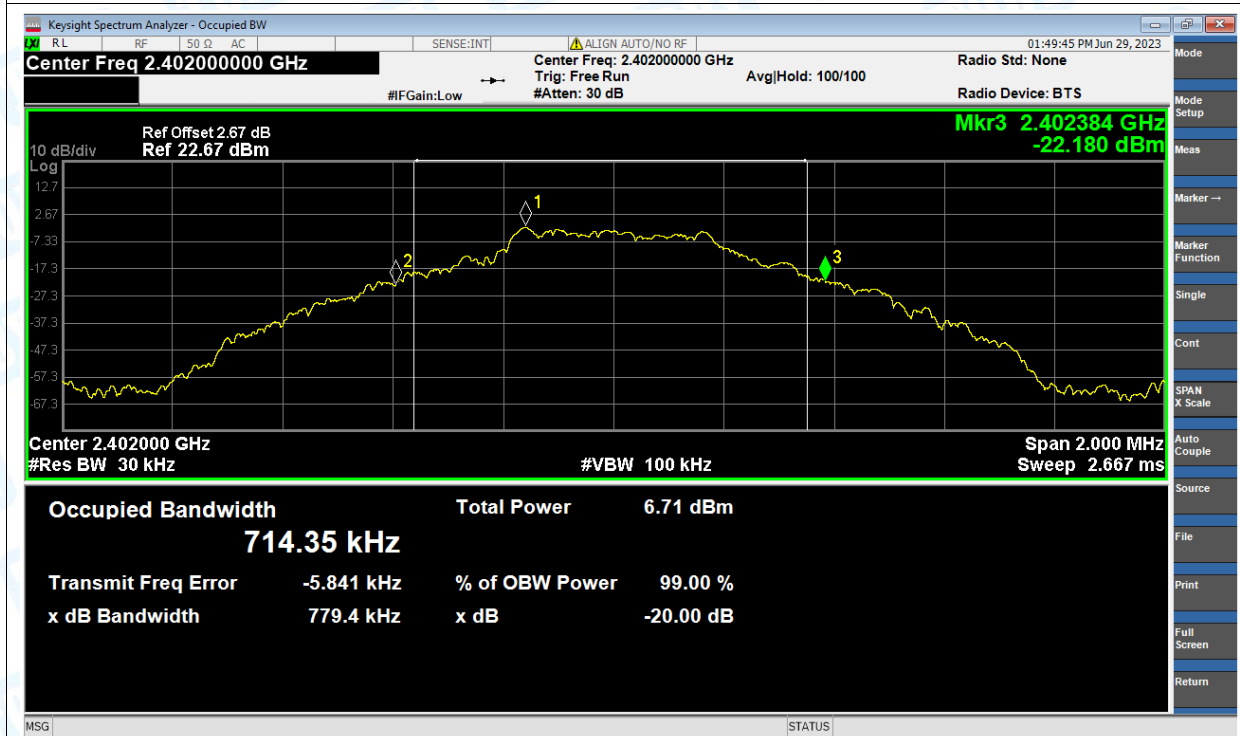


3. -20dB Bandwidth

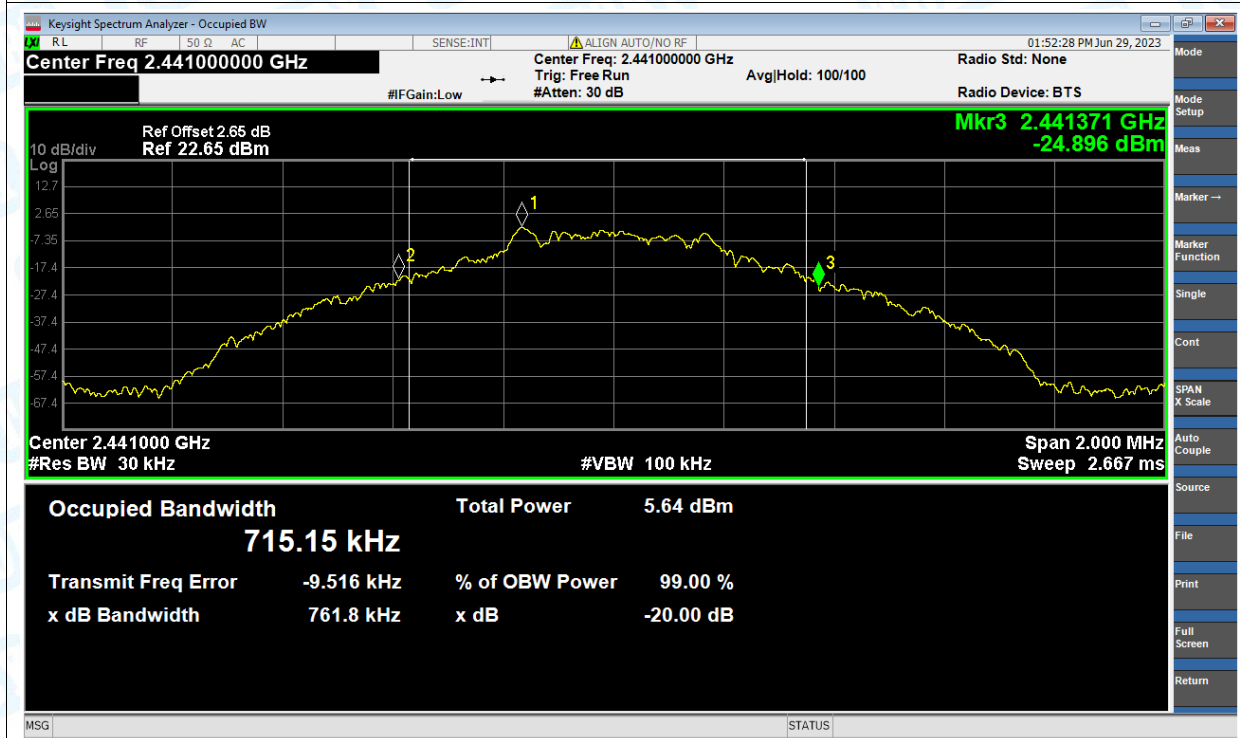
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.78	0	Pass
NVNT	1-DH1	2441	Ant1	0.76	0	Pass
NVNT	1-DH1	2480	Ant1	0.84	0	Pass
NVNT	2-DH1	2402	Ant1	1.24	0	Pass
NVNT	2-DH1	2441	Ant1	1.2	0	Pass
NVNT	2-DH1	2480	Ant1	1.21	0	Pass
NVNT	3-DH1	2402	Ant1	1.21	0	Pass
NVNT	3-DH1	2441	Ant1	1.22	0	Pass
NVNT	3-DH1	2480	Ant1	1.21	0	Pass

Test Graphs

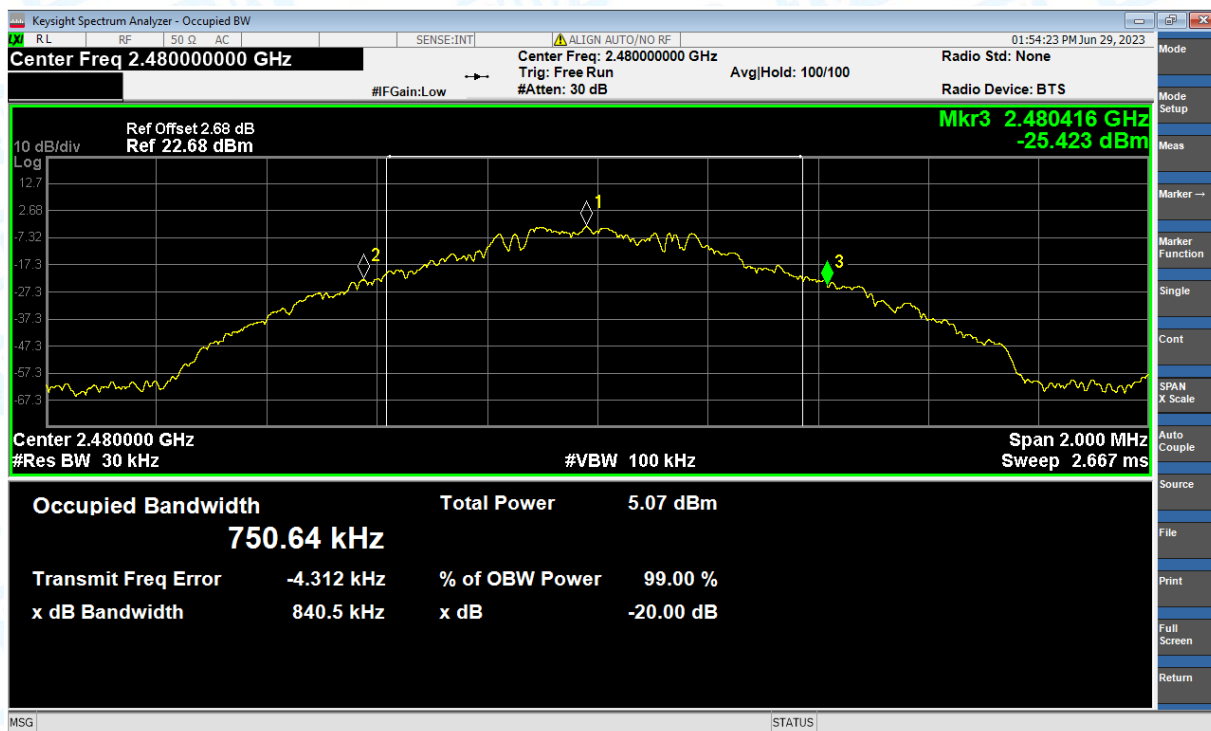
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



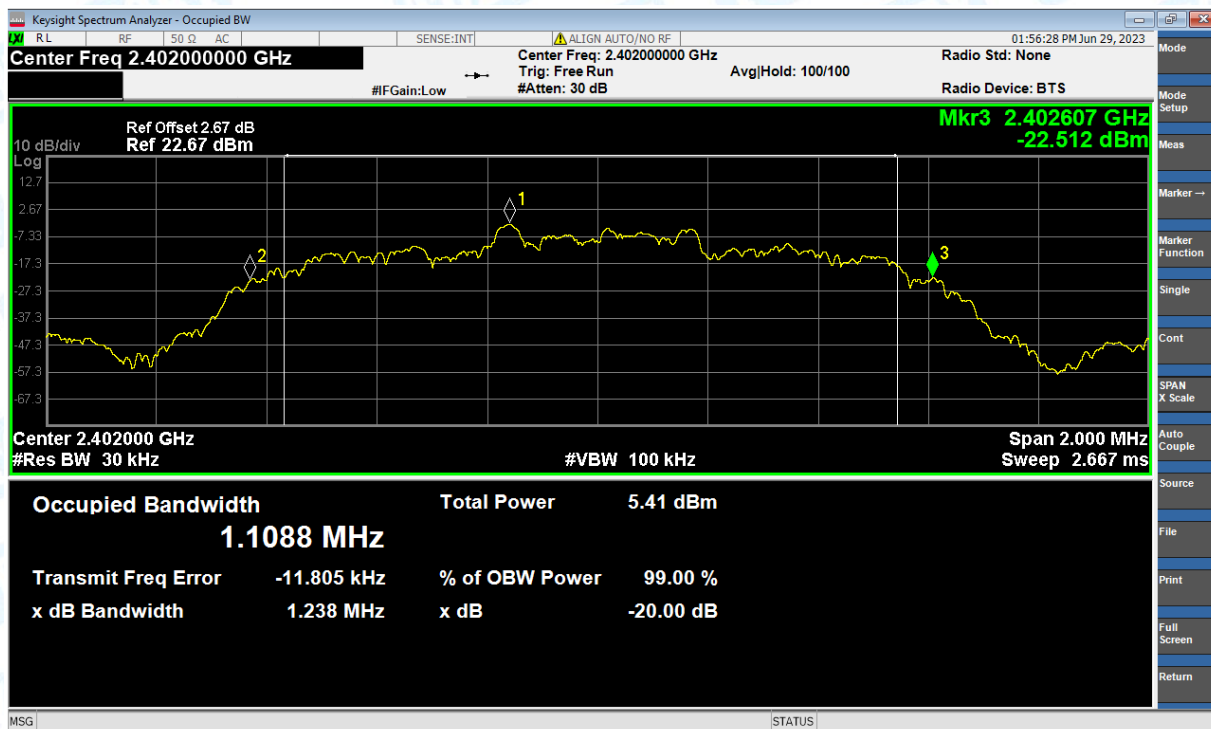
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



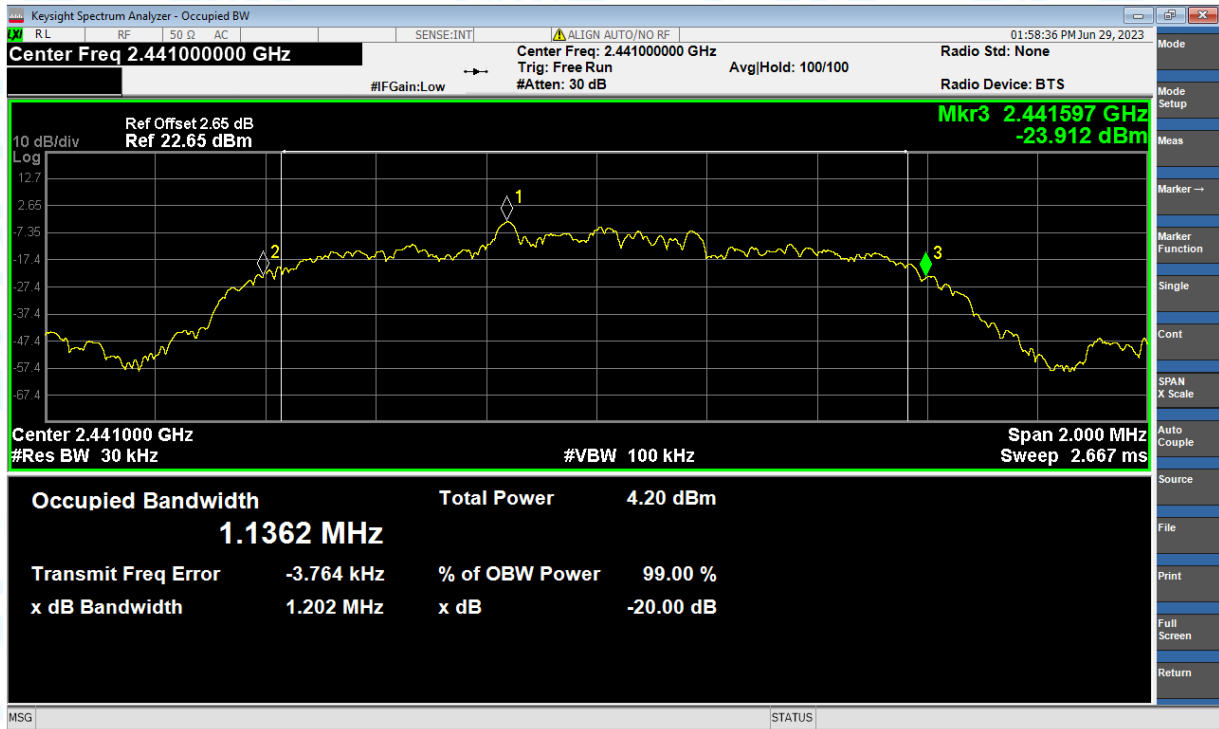
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



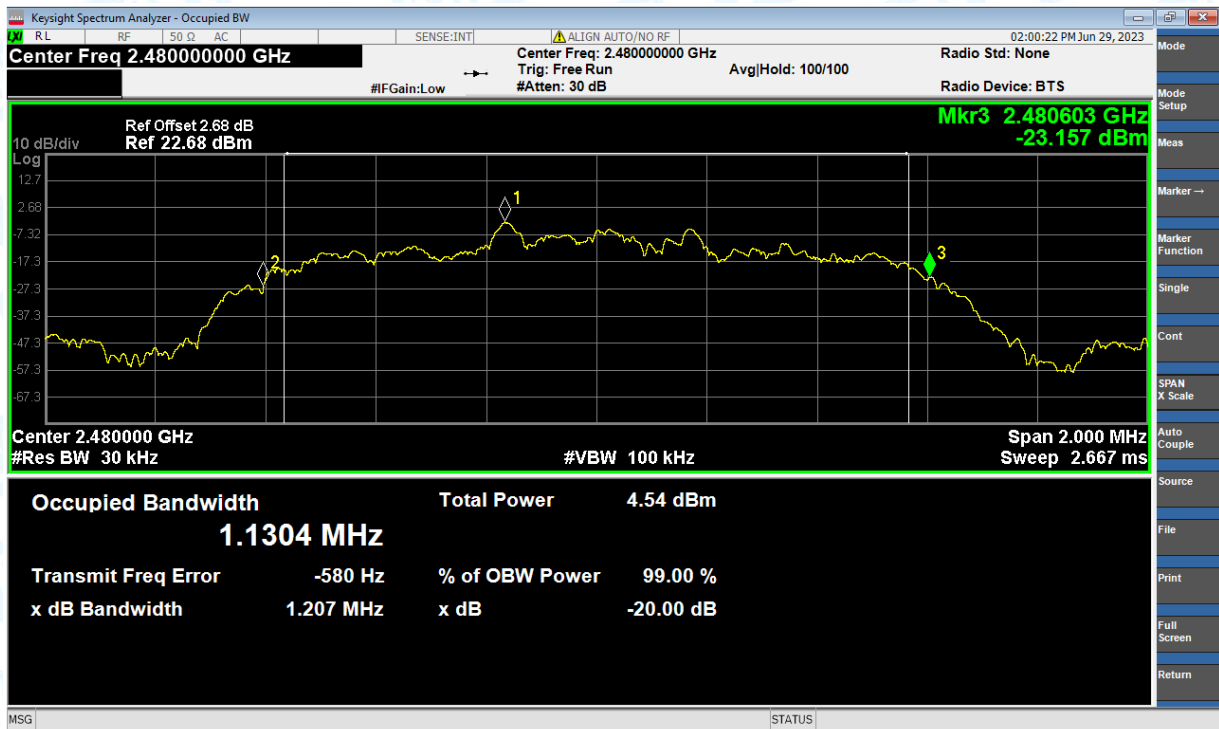
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



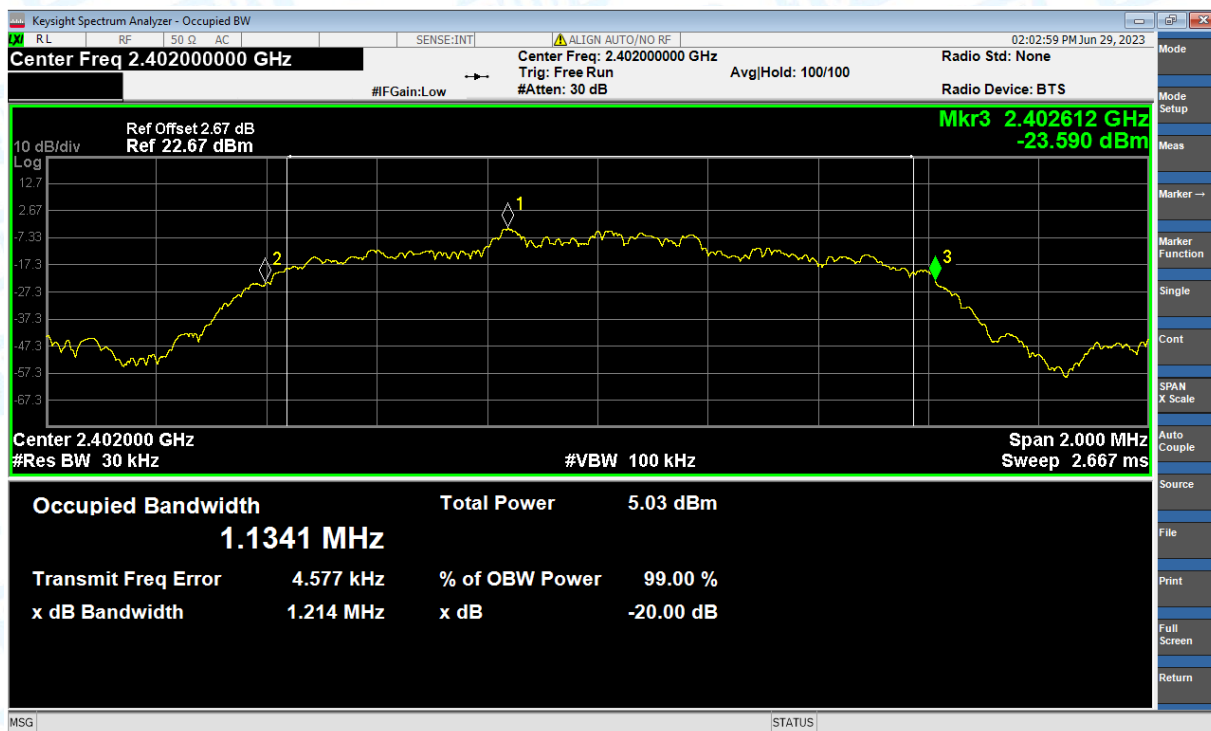
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



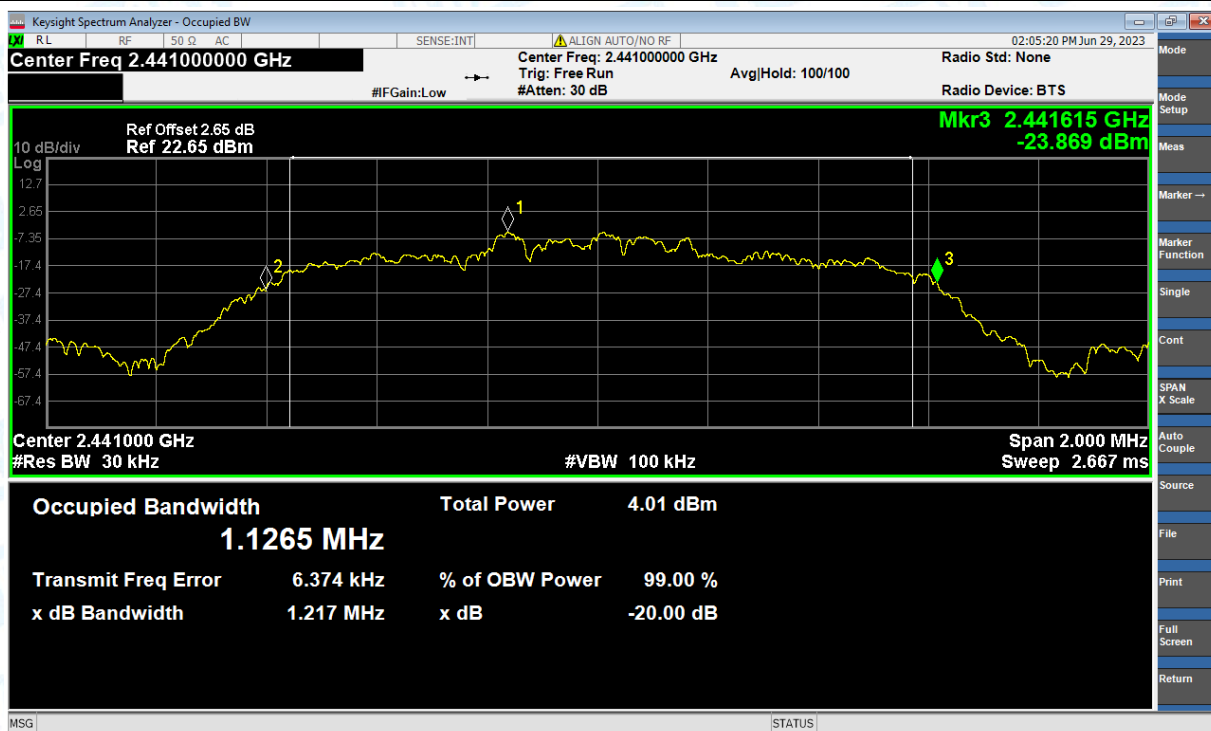
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

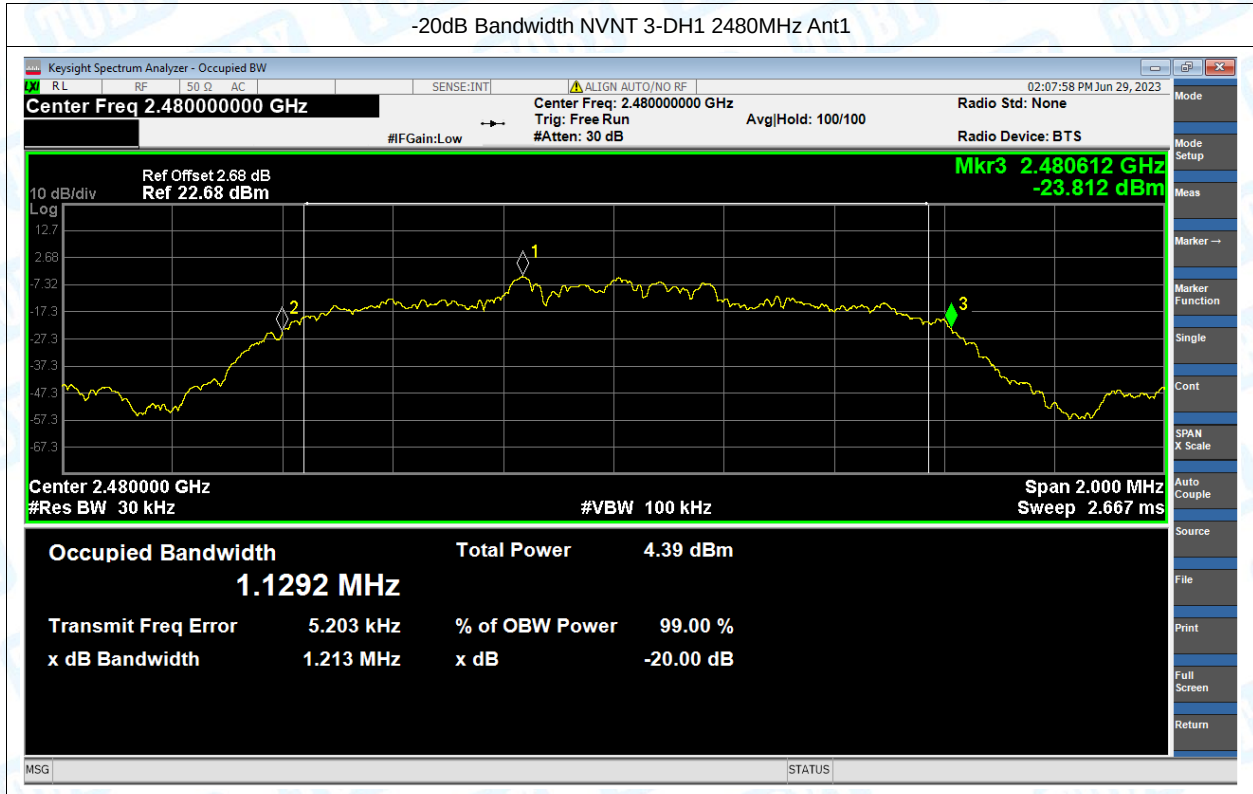


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



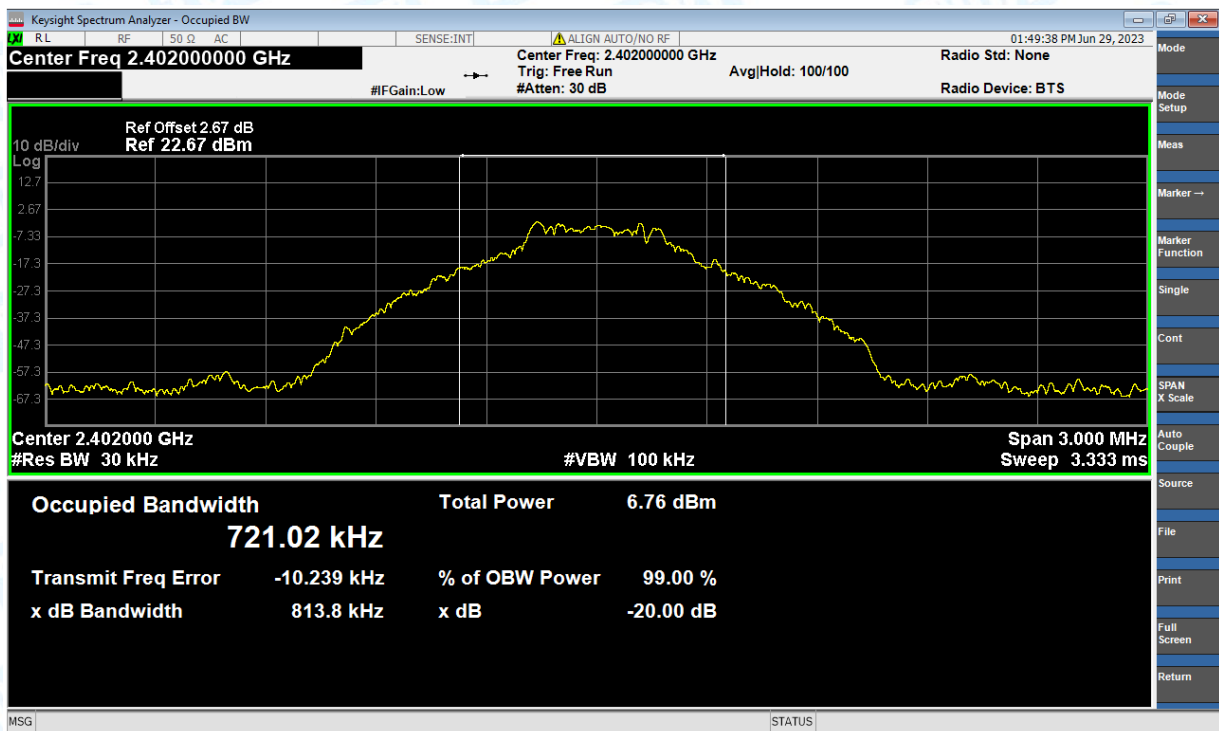


4. Occupied Channel Bandwidth

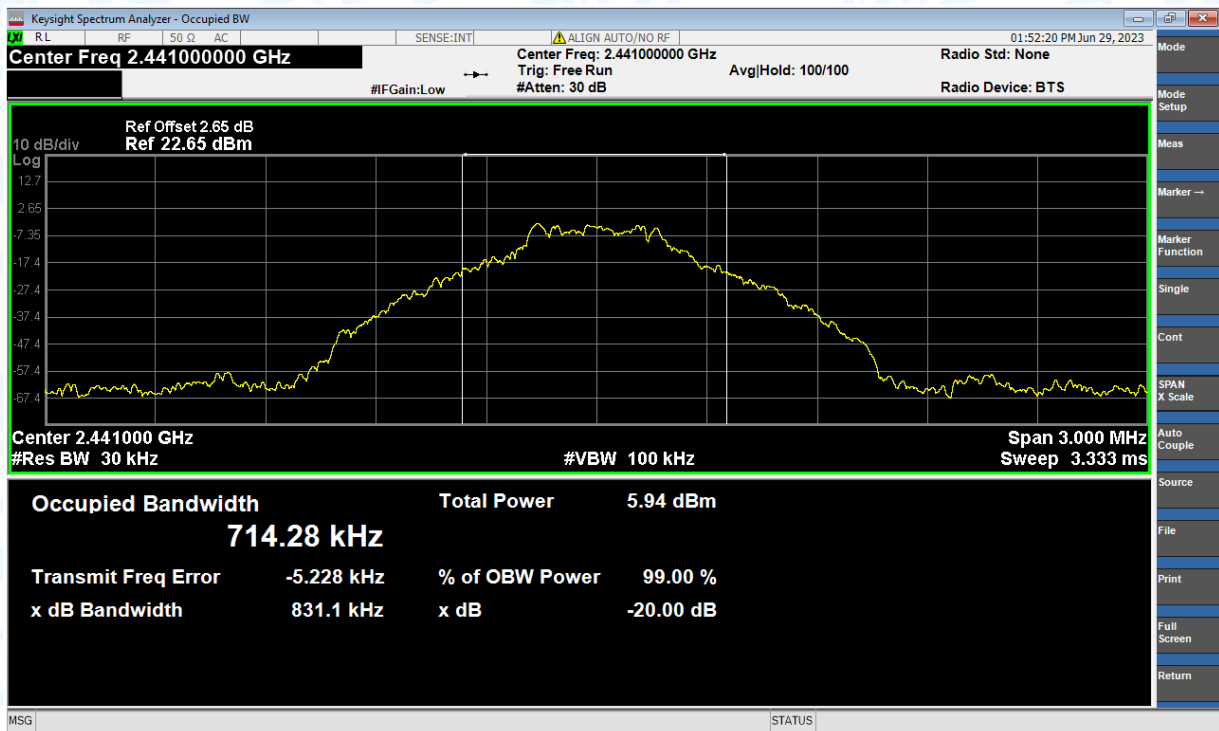
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.721
NVNT	1-DH1	2441	Ant1	0.714
NVNT	1-DH1	2480	Ant1	0.735
NVNT	2-DH1	2402	Ant1	1.134
NVNT	2-DH1	2441	Ant1	1.137
NVNT	2-DH1	2480	Ant1	1.163
NVNT	3-DH1	2402	Ant1	1.133
NVNT	3-DH1	2441	Ant1	1.122
NVNT	3-DH1	2480	Ant1	1.136

Test Graphs

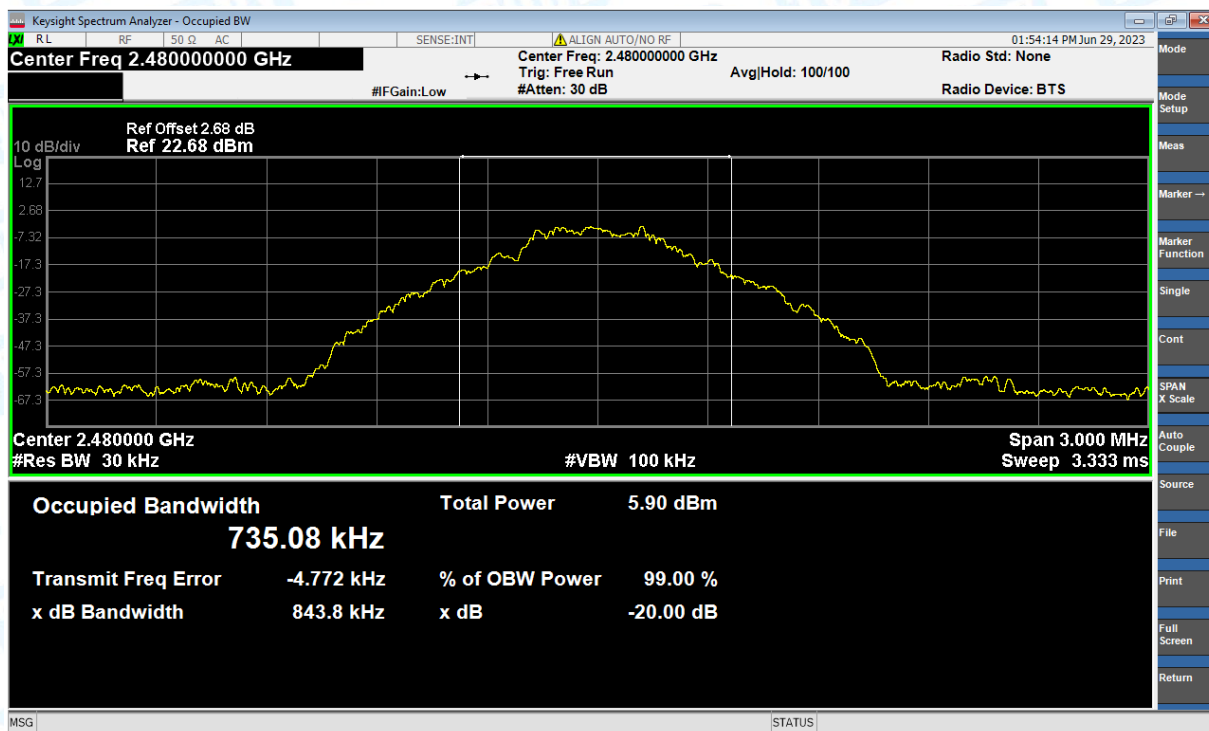
OBW NVNT 1-DH1 2402MHz Ant1



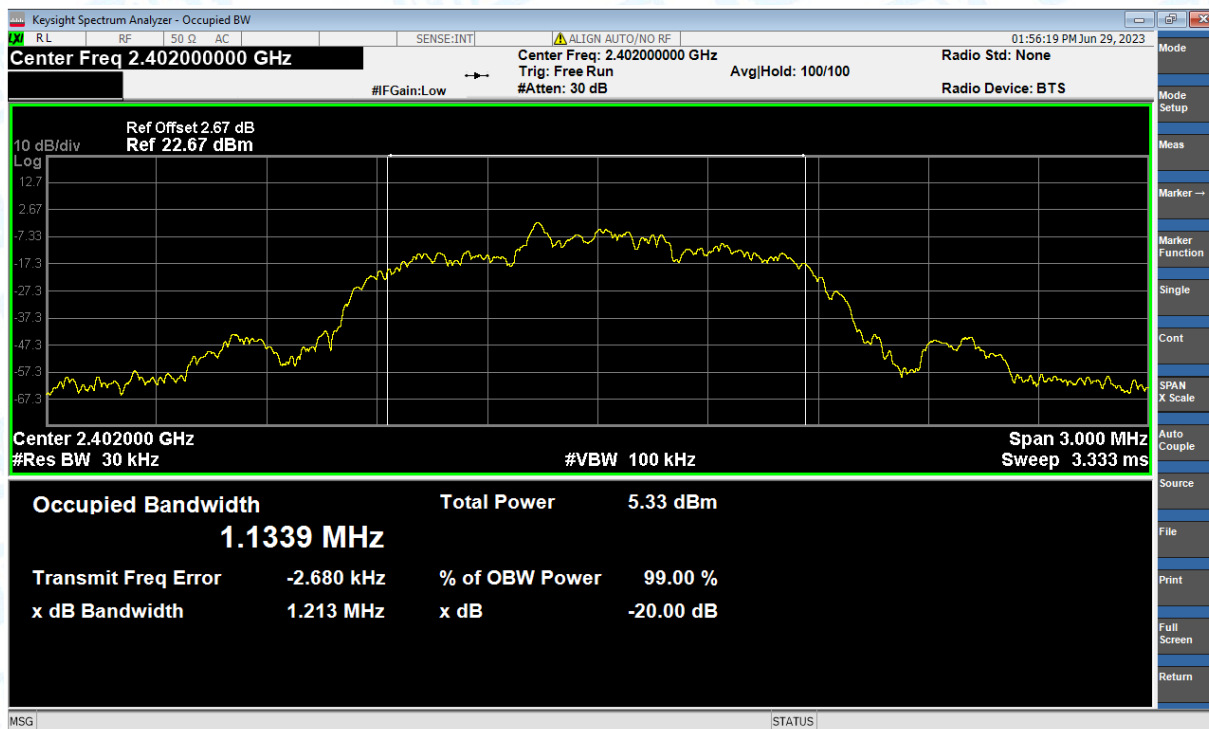
OBW NVNT 1-DH1 2441MHz Ant1



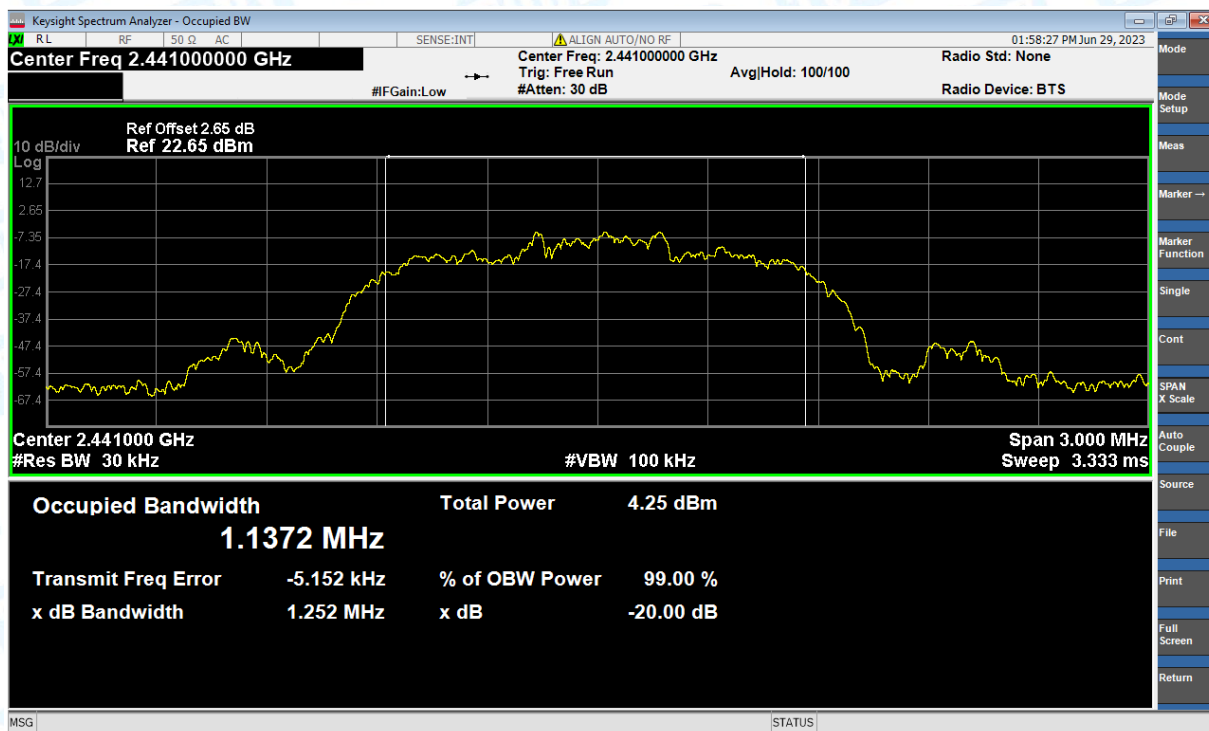
OBW NVNT 1-DH1 2480MHz Ant1



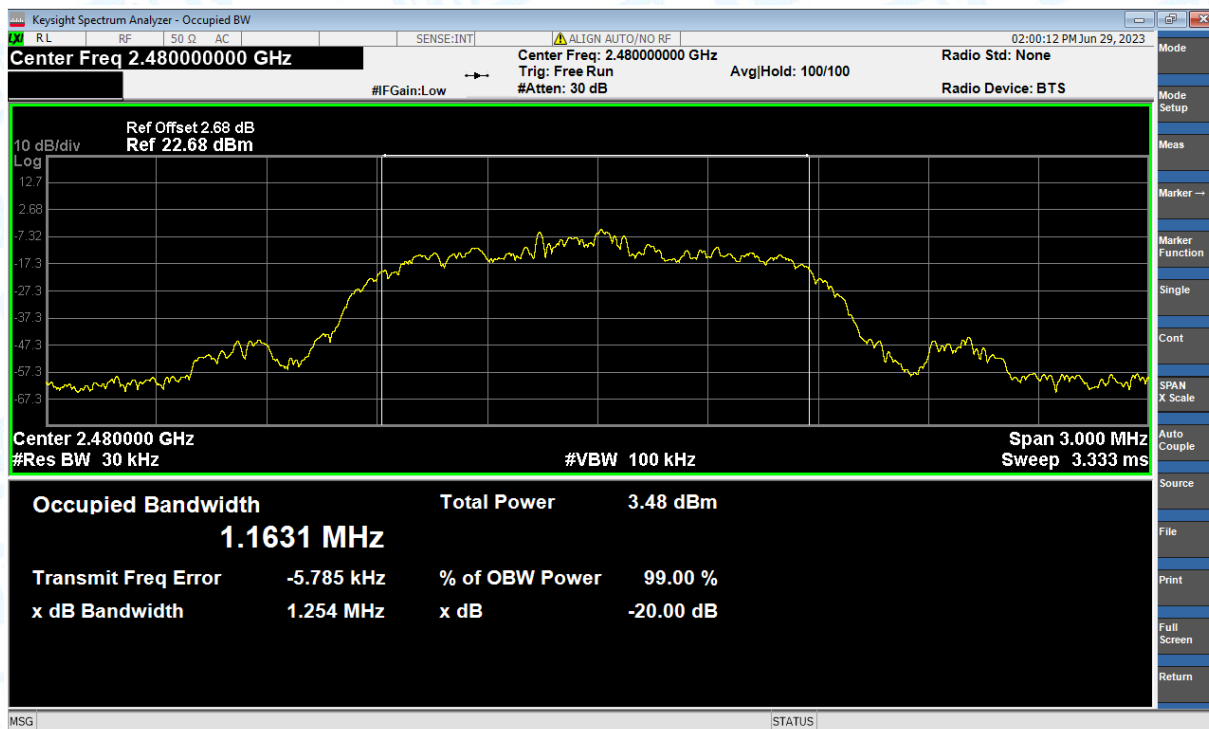
OBW NVNT 2-DH1 2402MHz Ant1



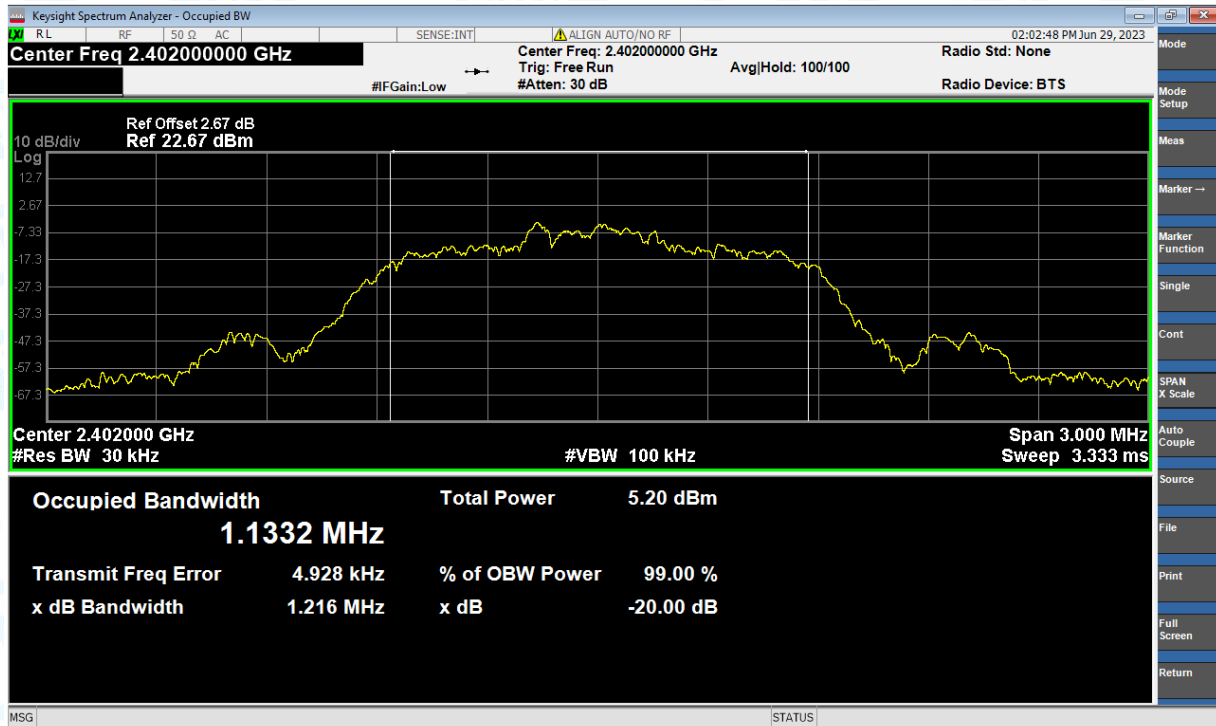
OBW NVNT 2-DH1 2441MHz Ant1



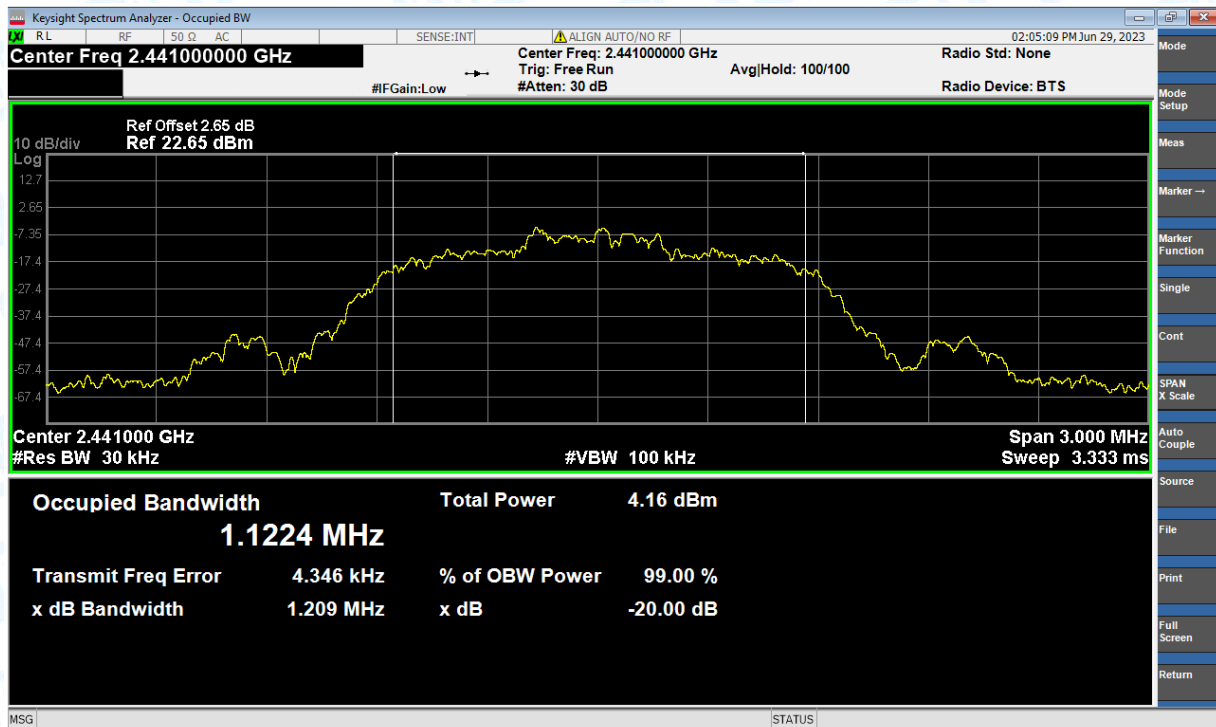
OBW NVNT 2-DH1 2480MHz Ant1

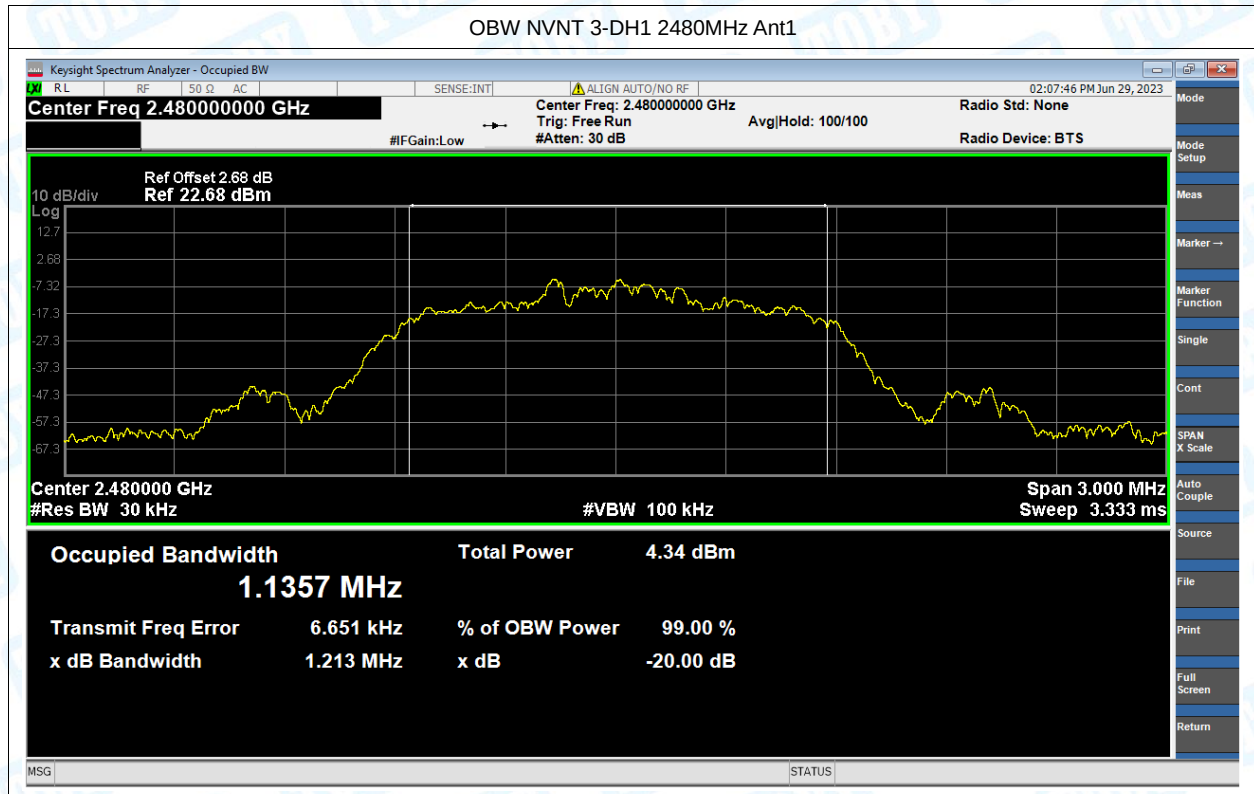


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



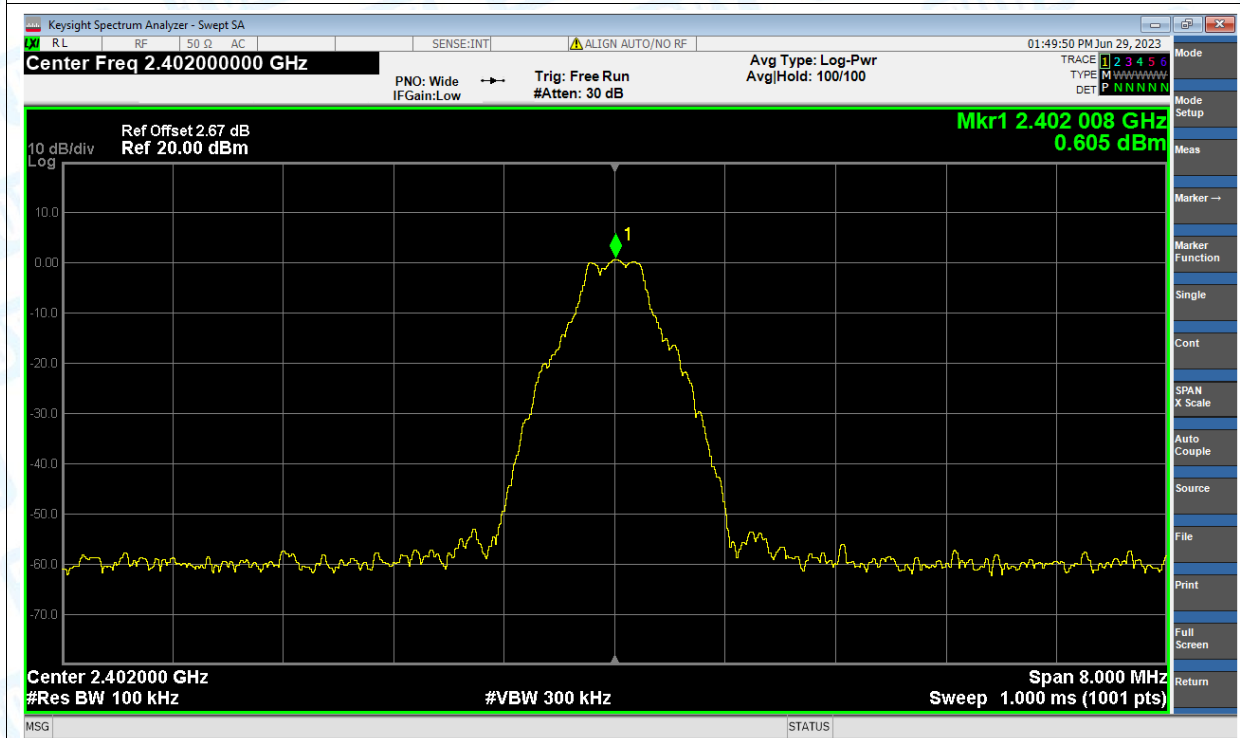


5. Band Edge

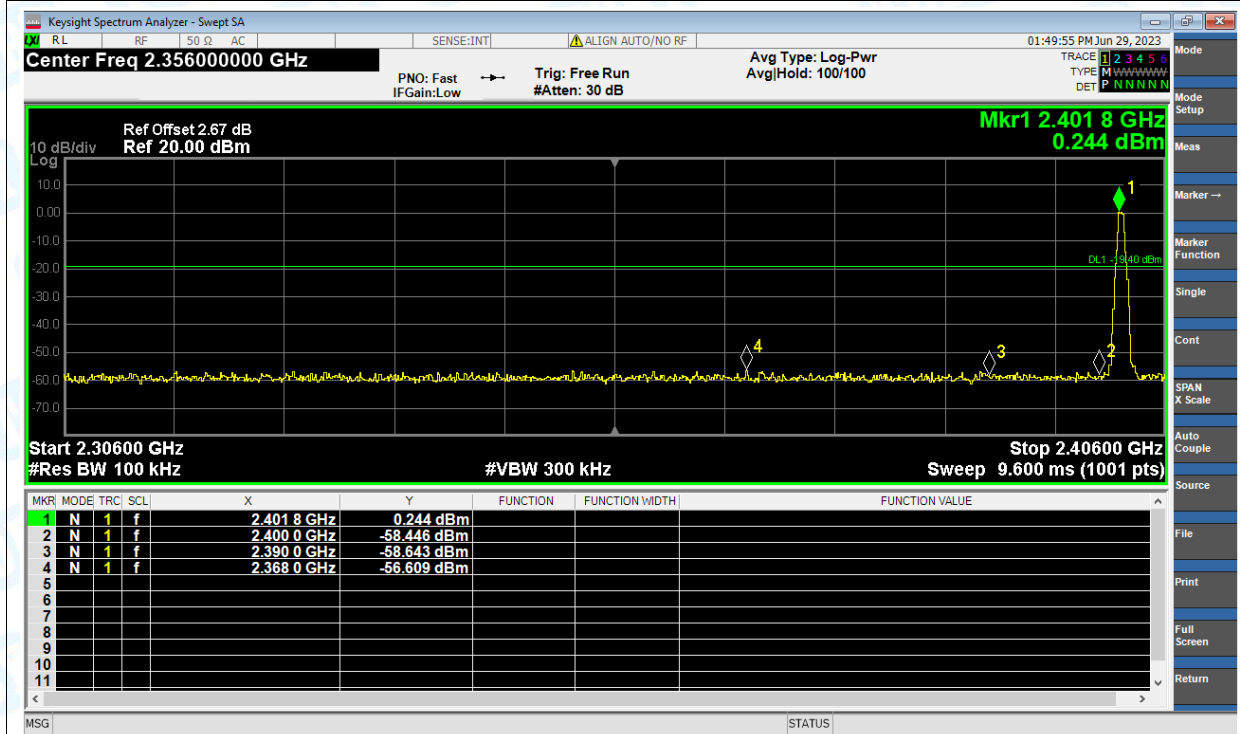
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.22	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.58	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-55.13	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.76	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-55.81	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-54.85	-20	Pass

Test Graphs

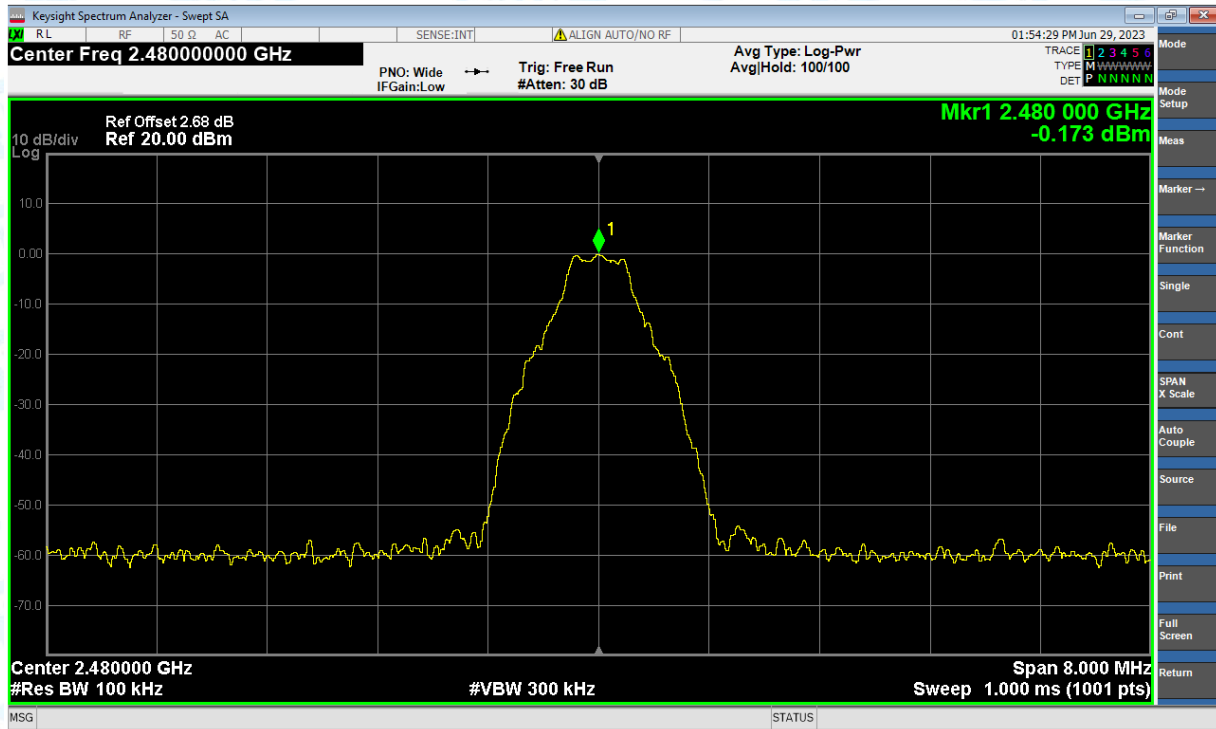
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



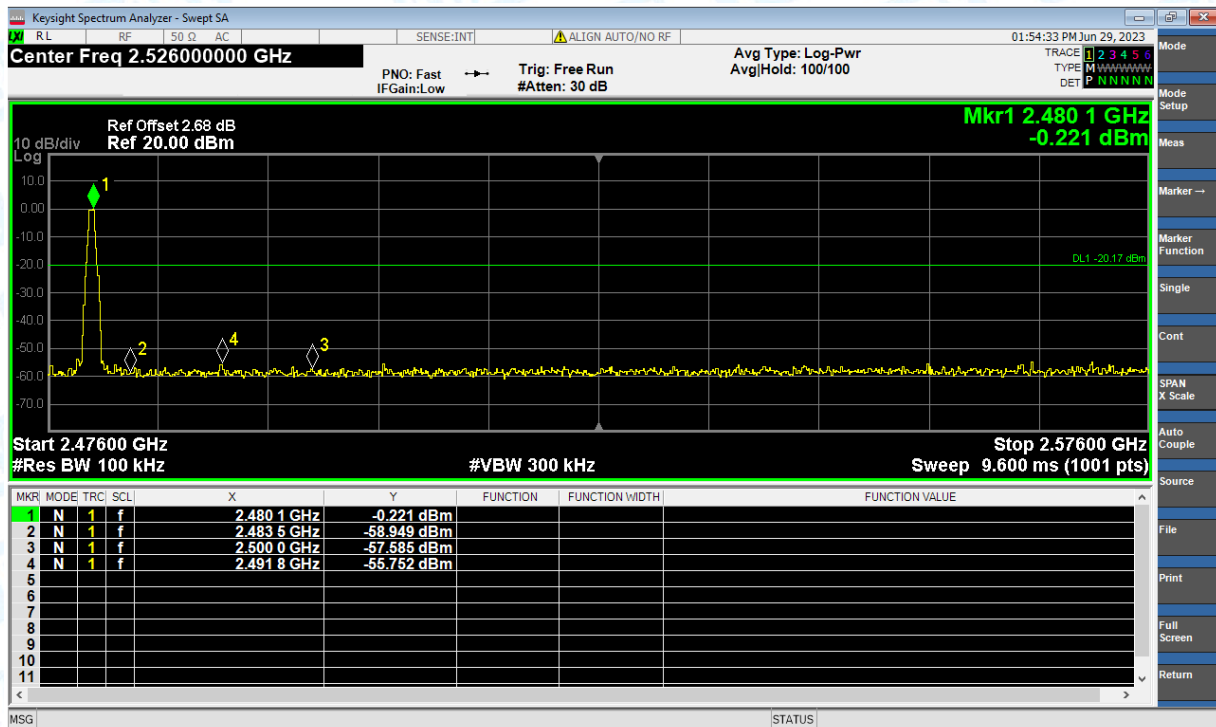
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



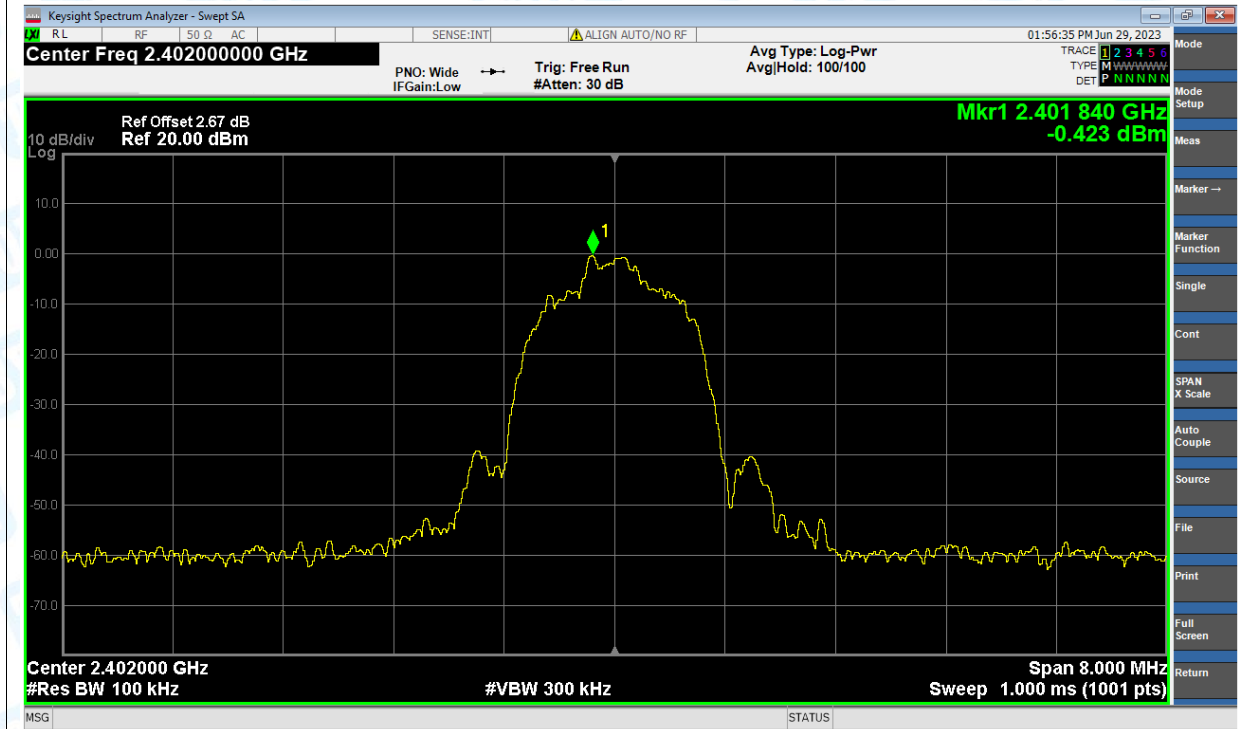
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



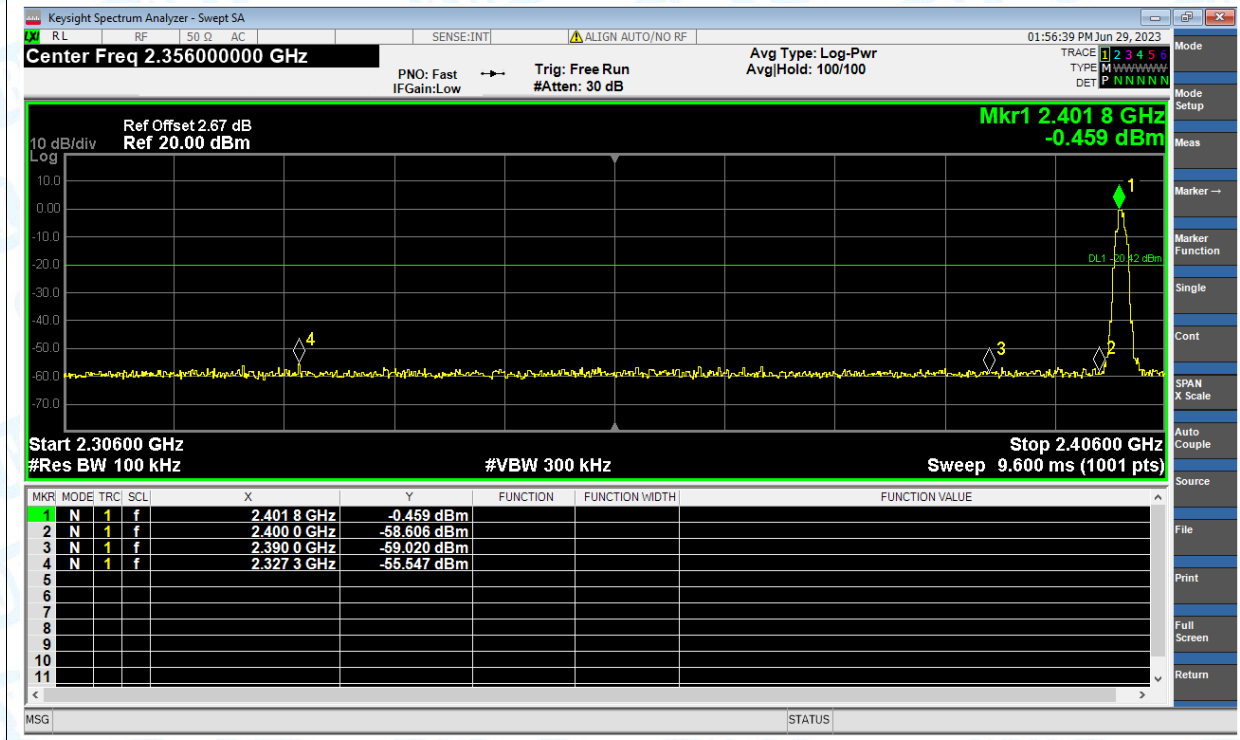
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



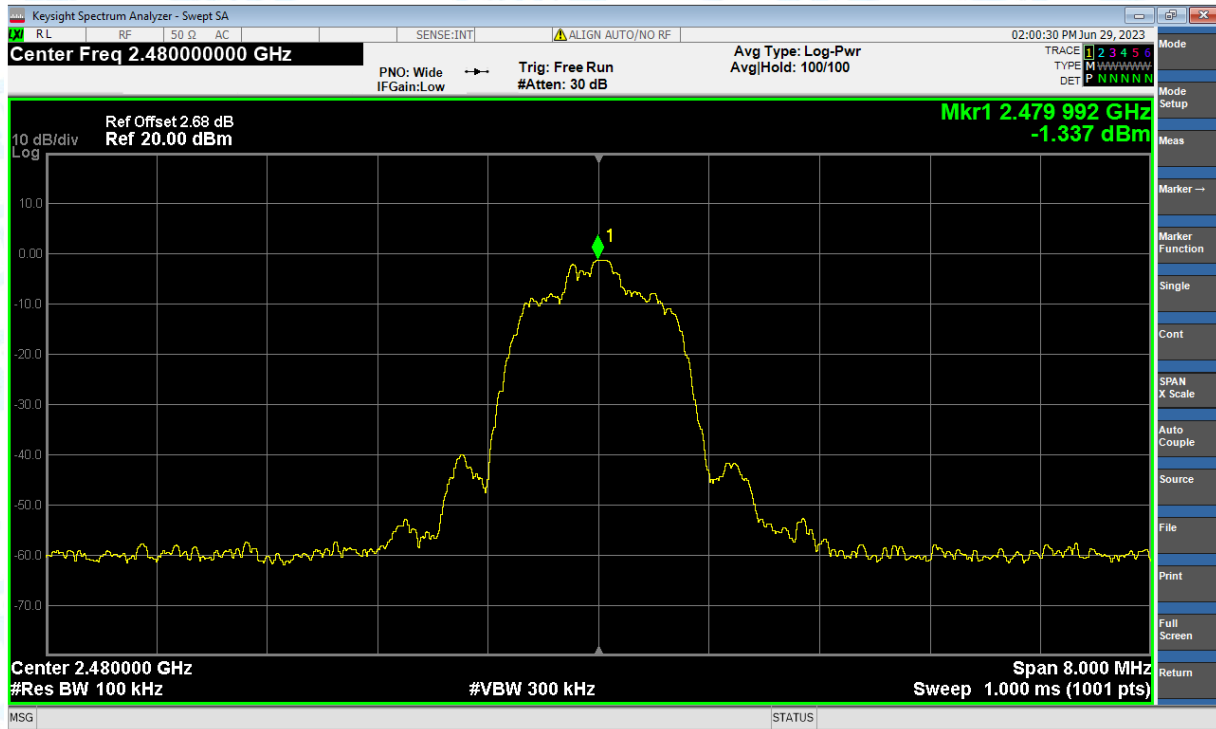
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



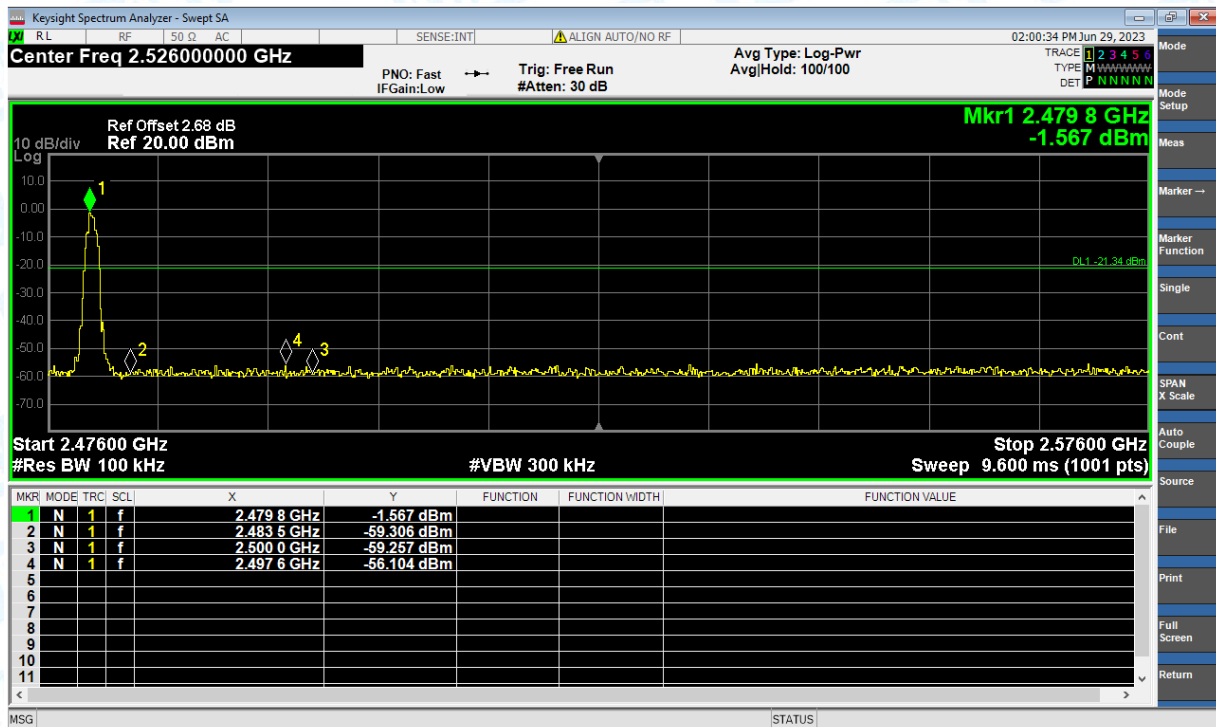
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



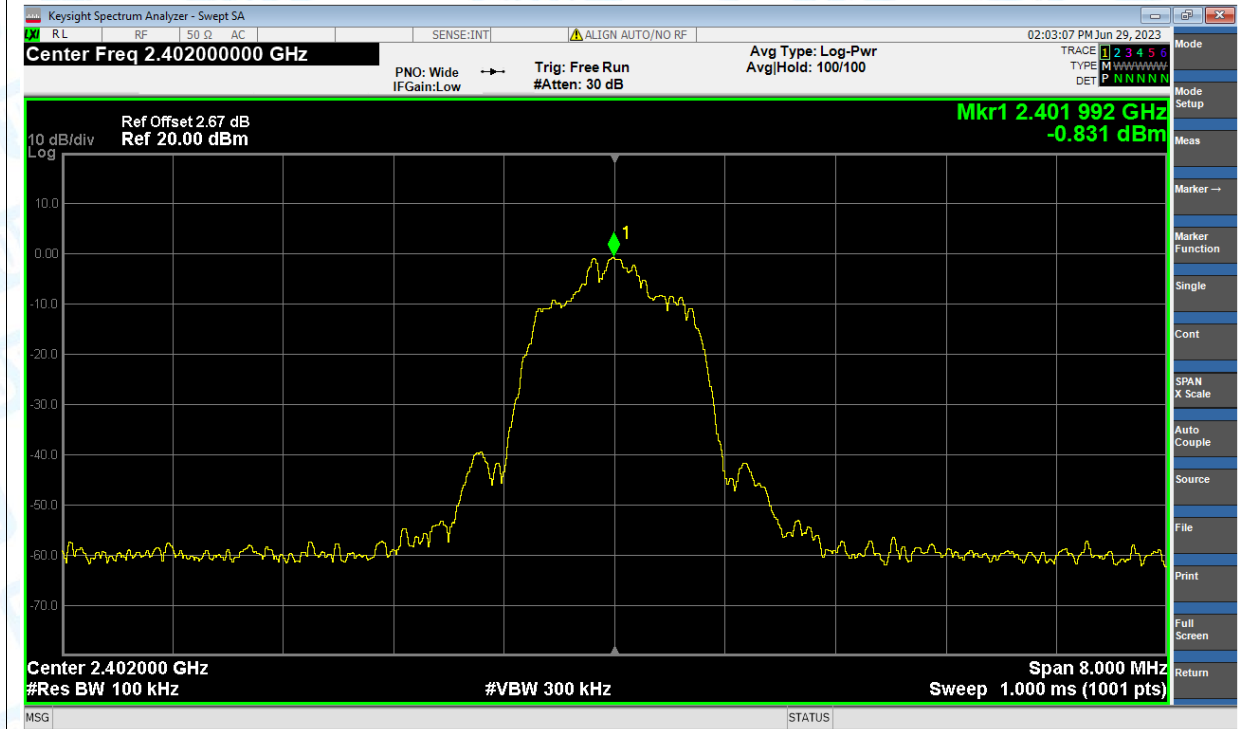
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



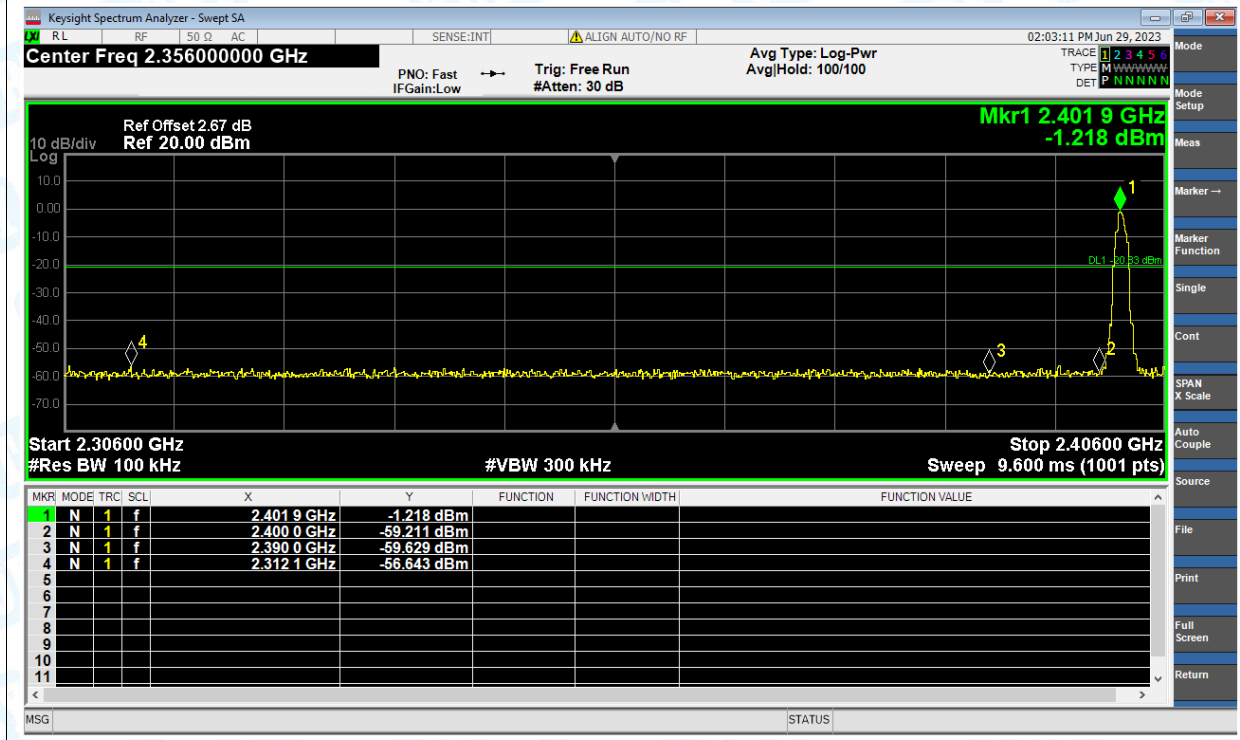
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



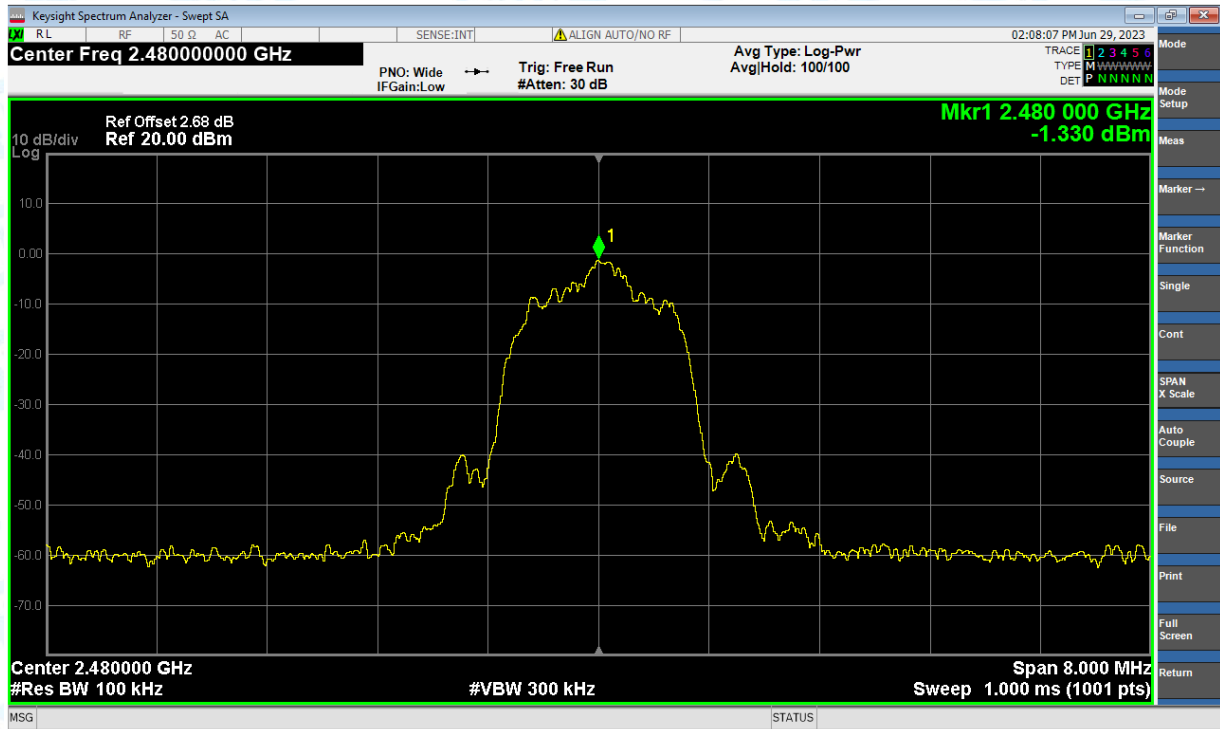
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



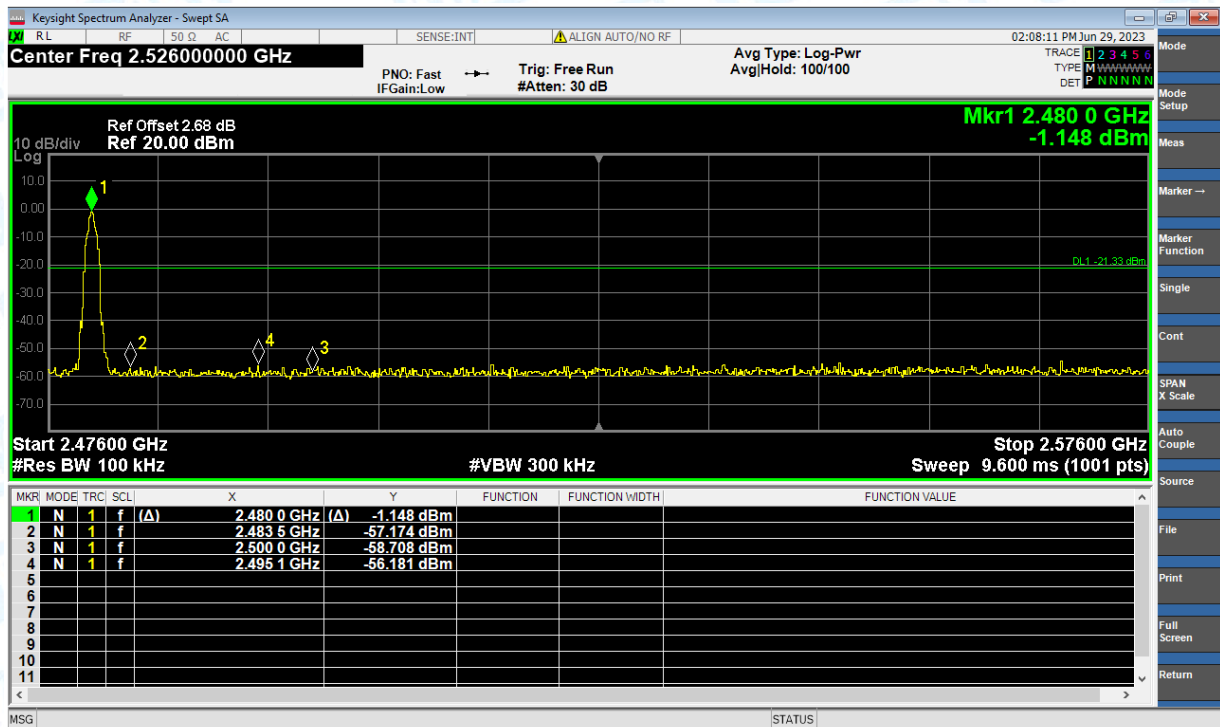
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

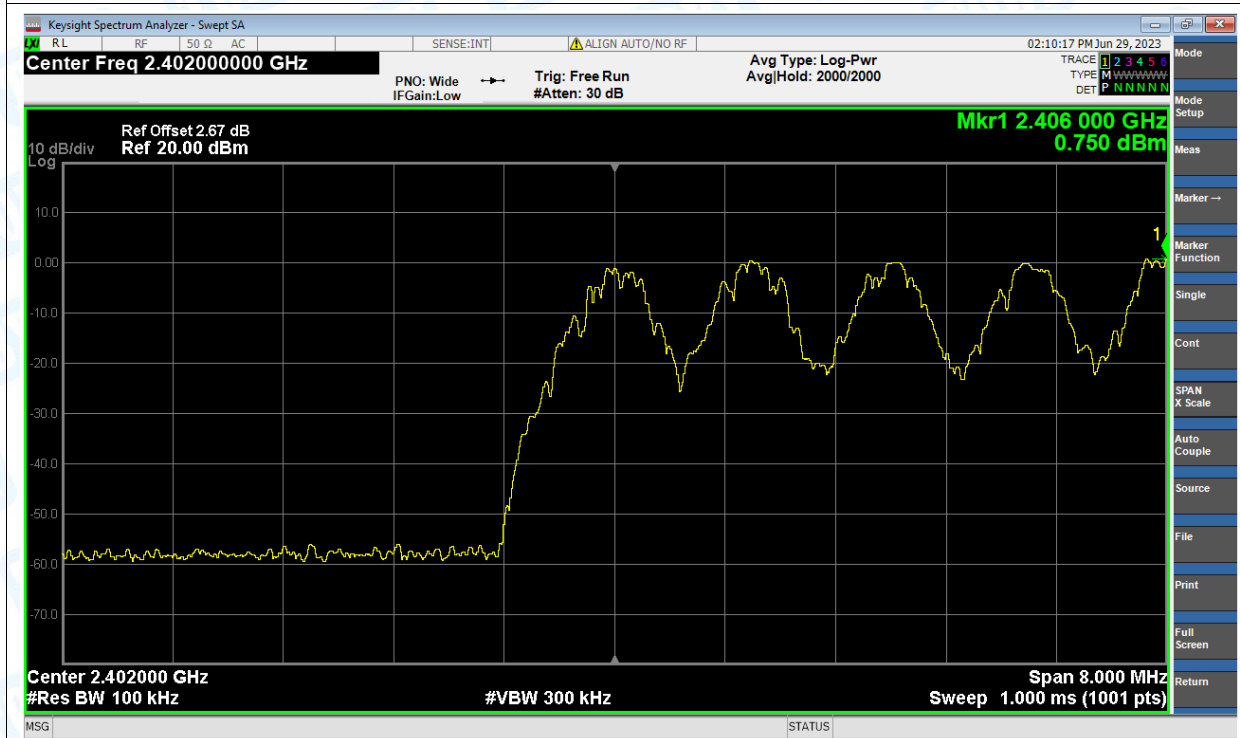


6. Band Edge(Hopping)

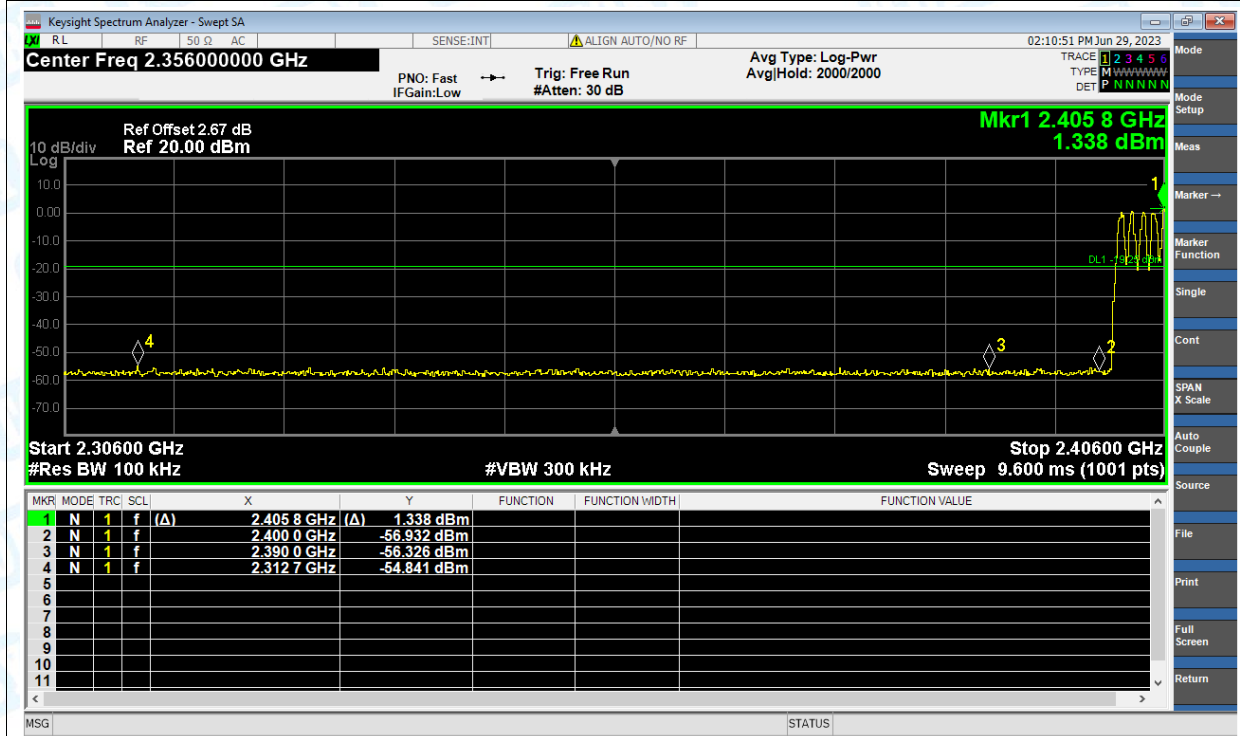
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.59	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-54.63	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-55.21	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-53.32	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-53.67	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-53.65	-20	Pass

Test Graphs

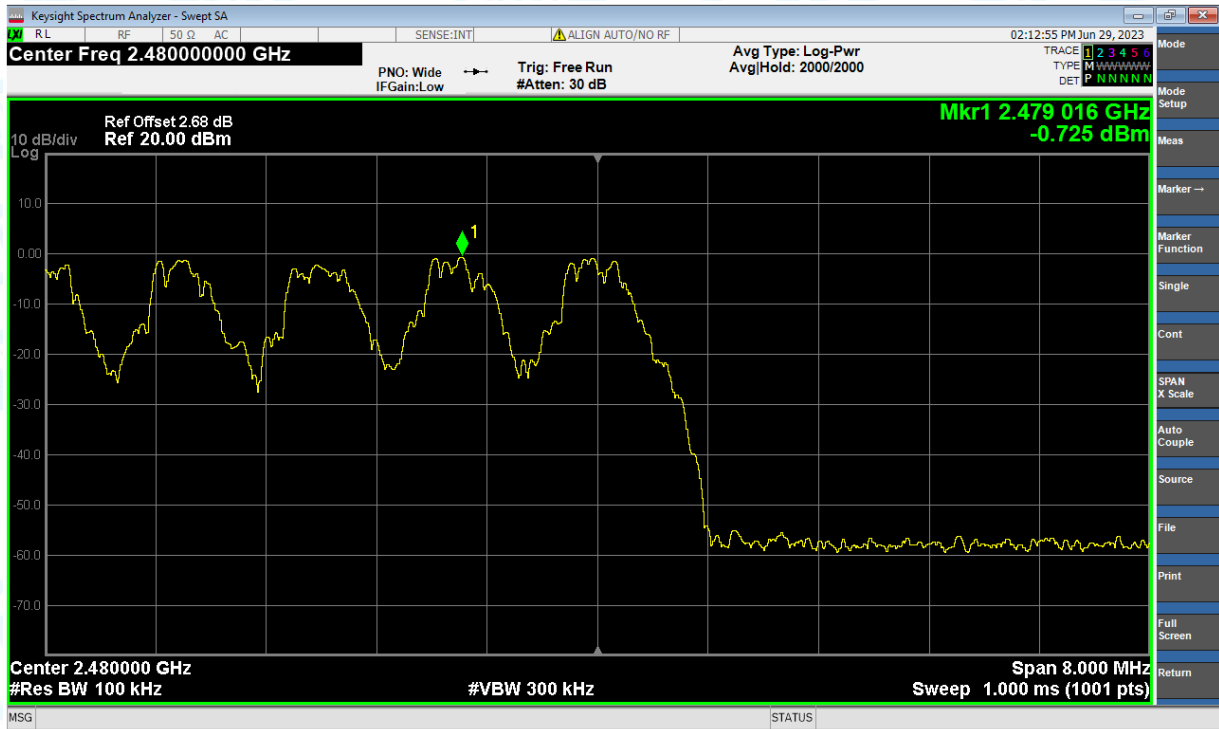
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



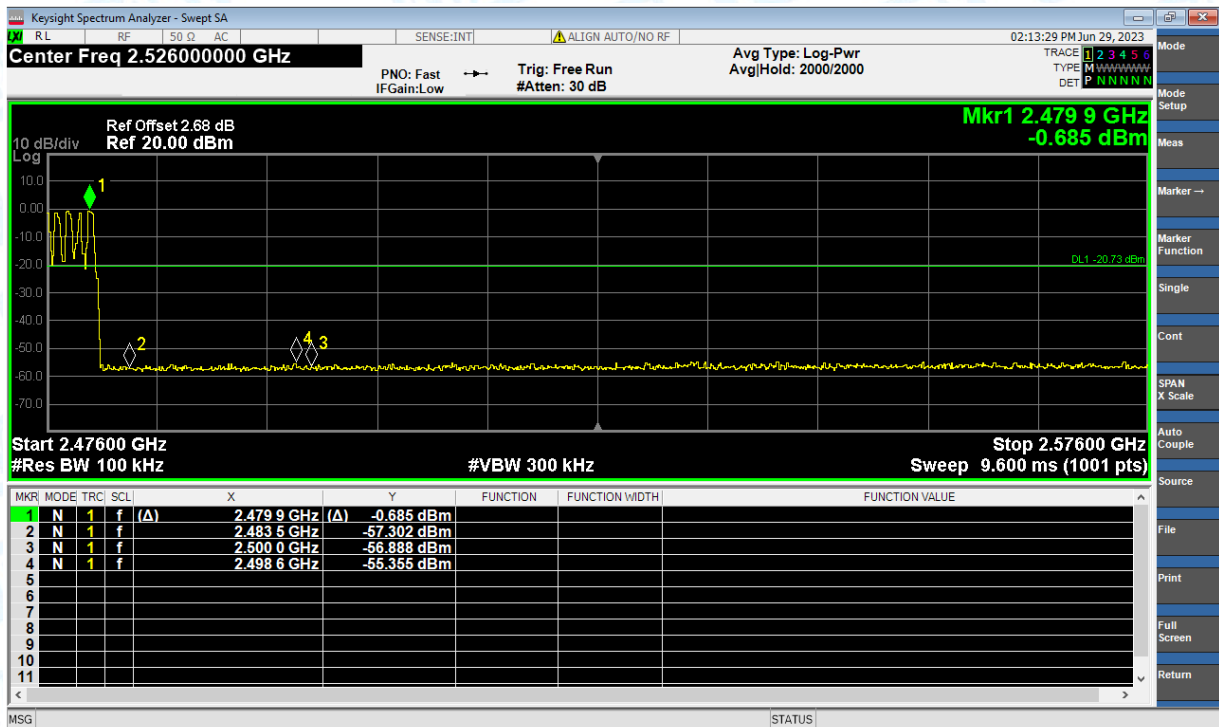
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



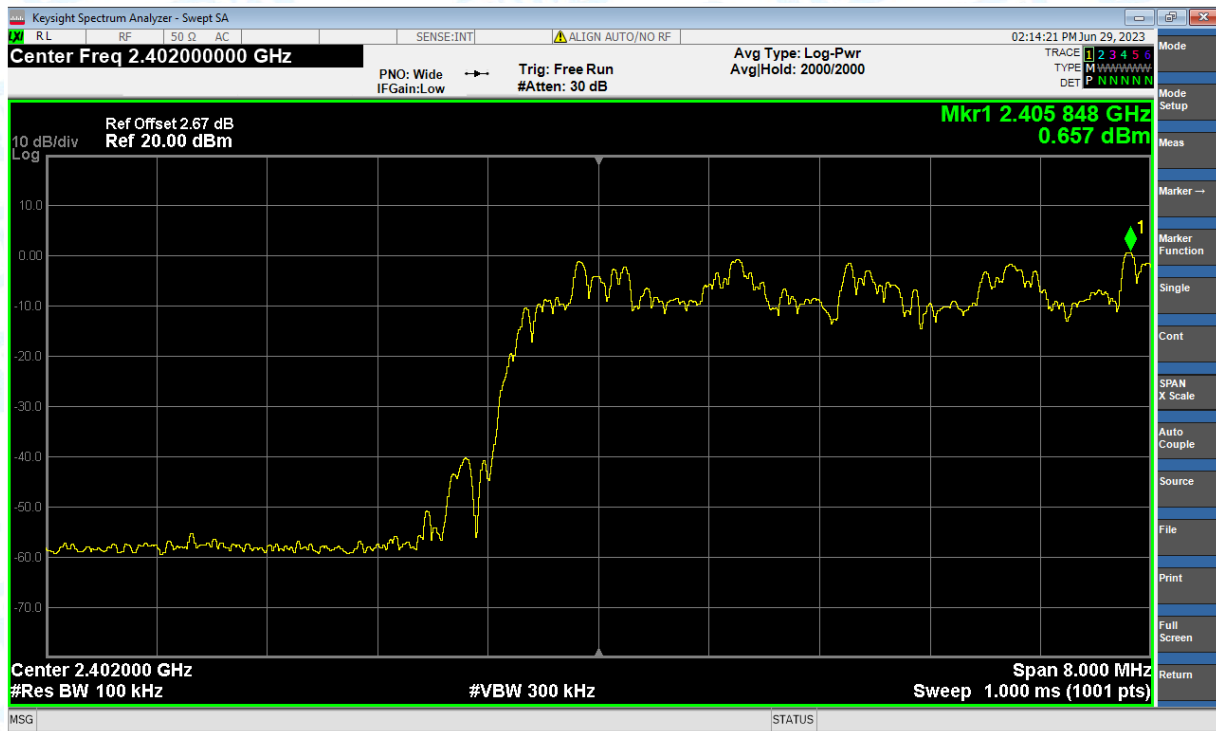
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



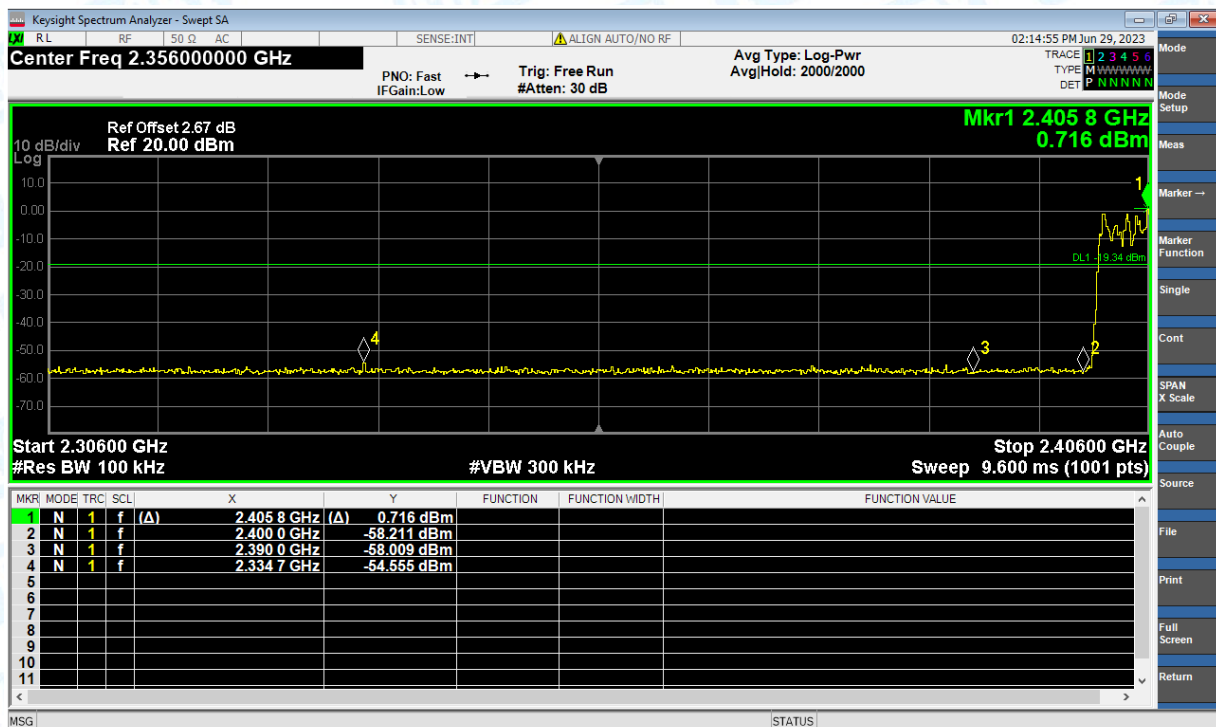
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



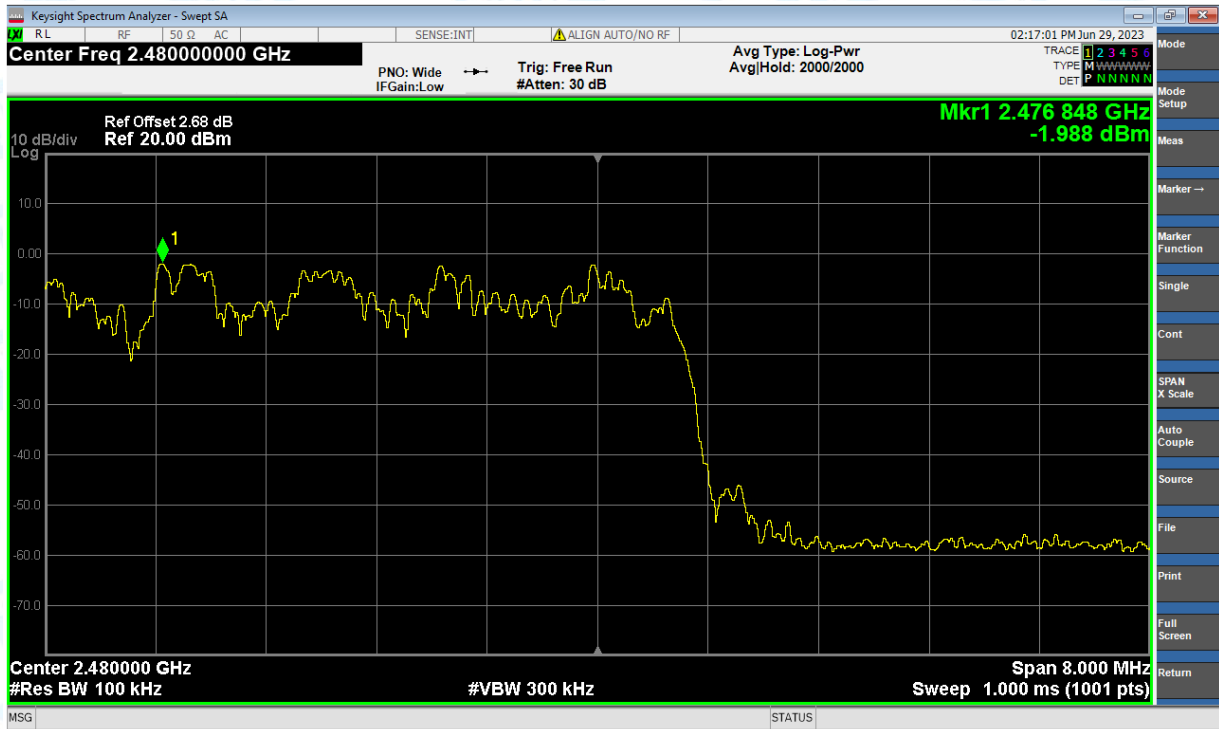
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



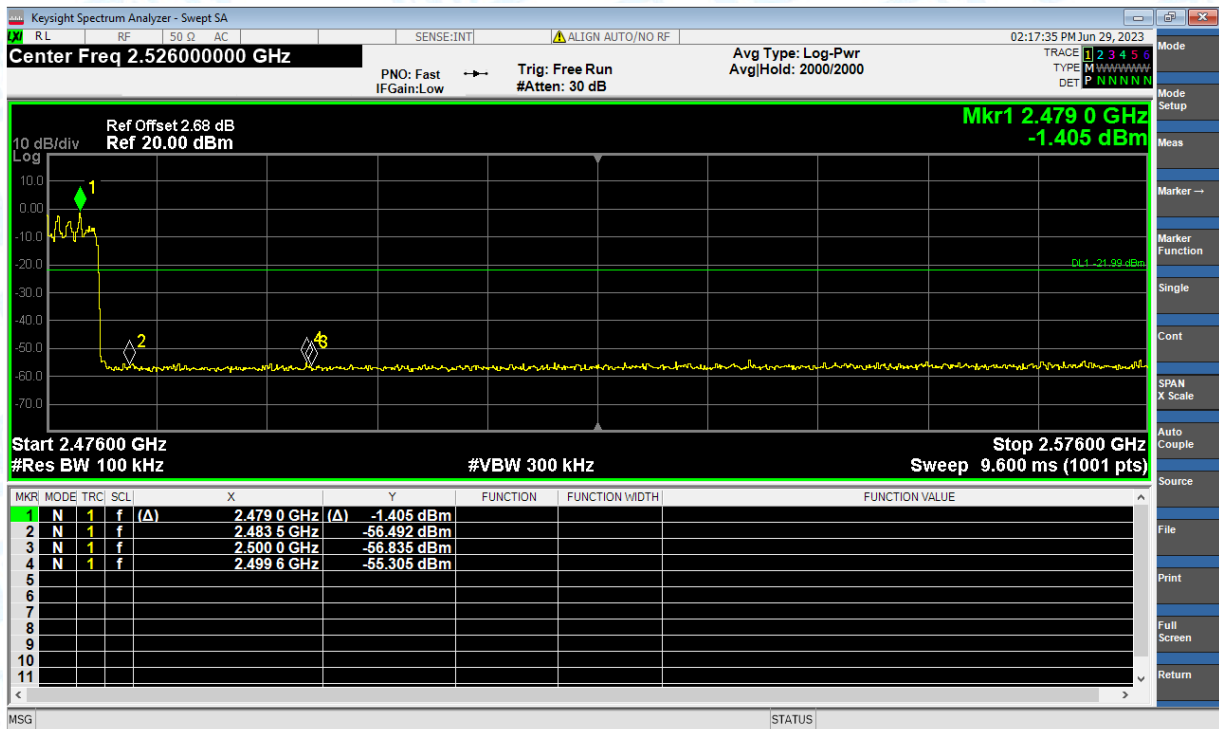
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



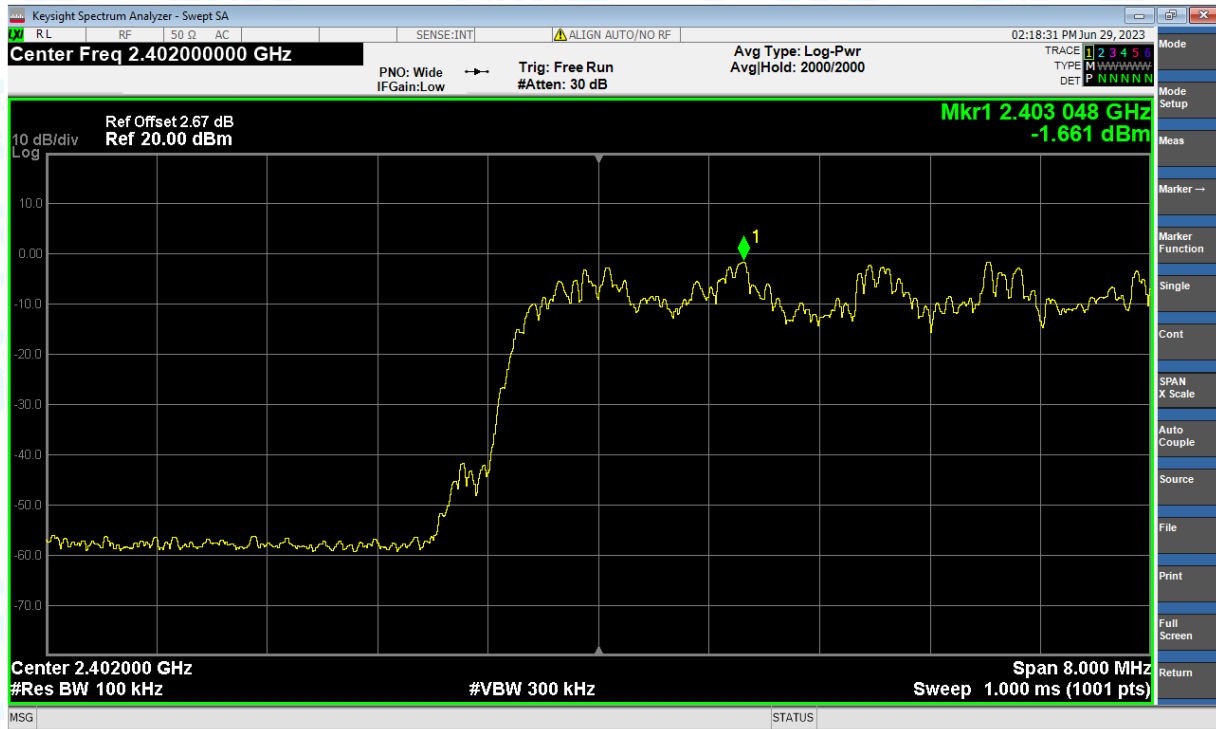
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



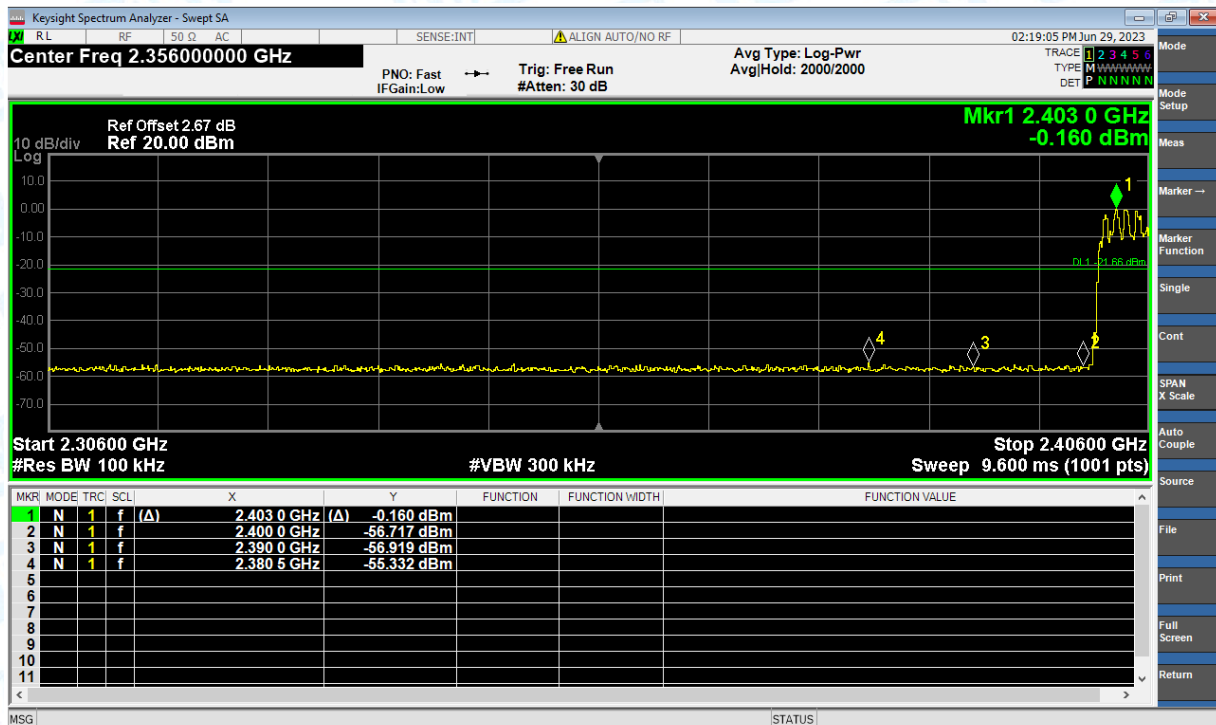
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



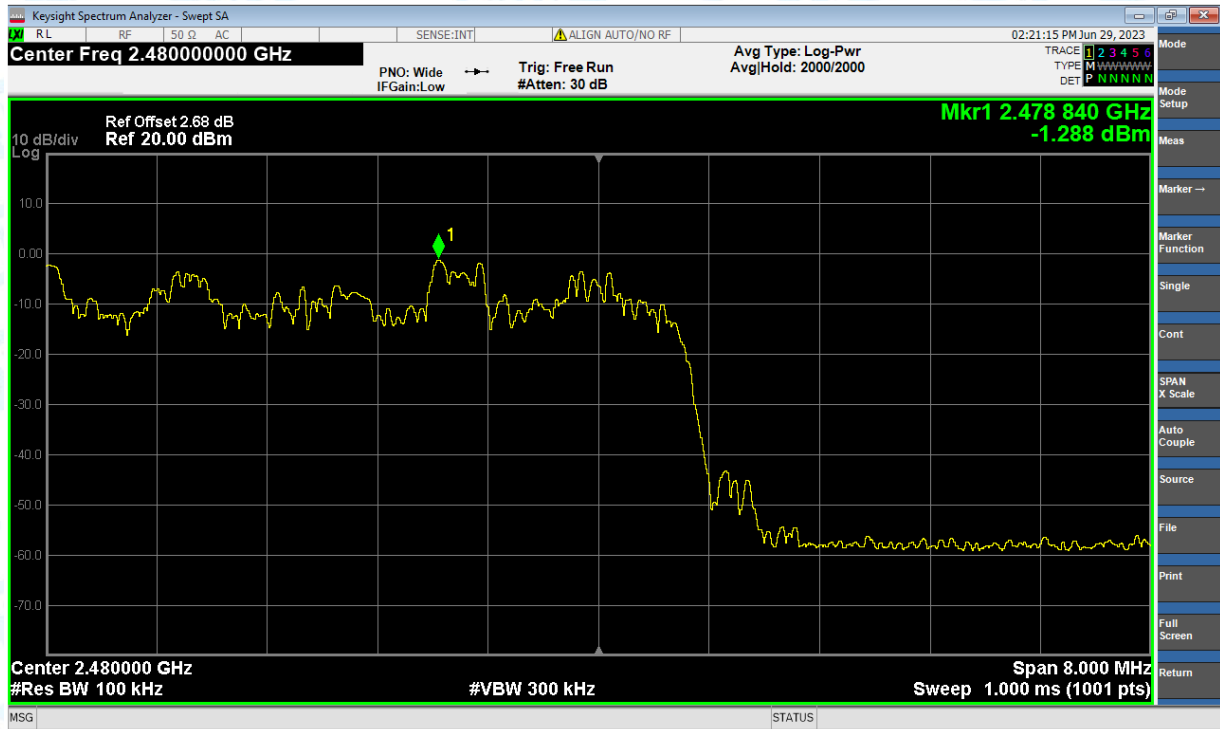
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



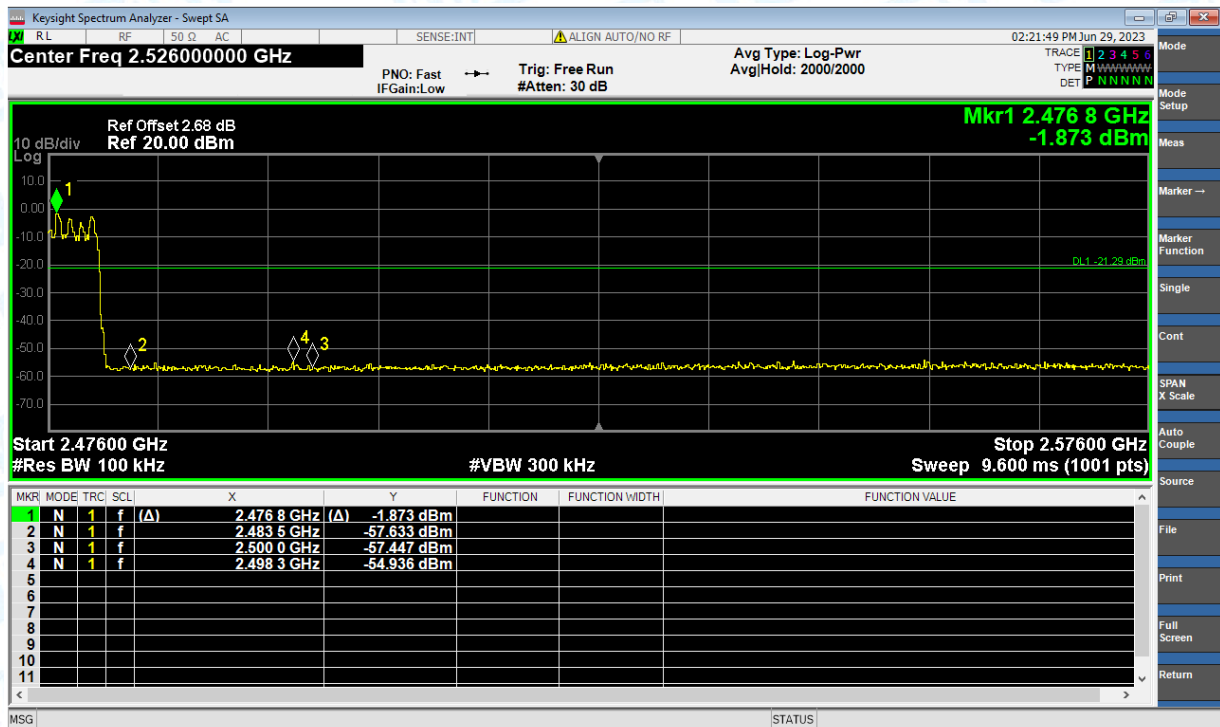
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

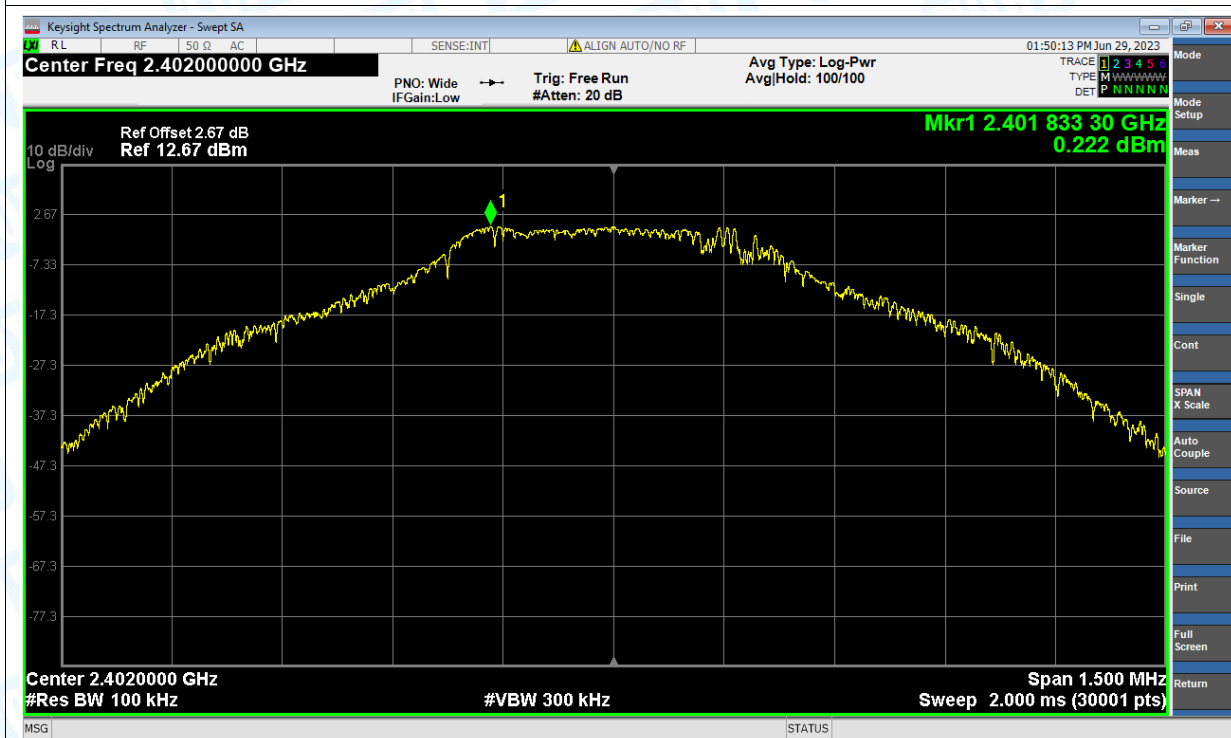


7. Conducted RF Spurious Emission

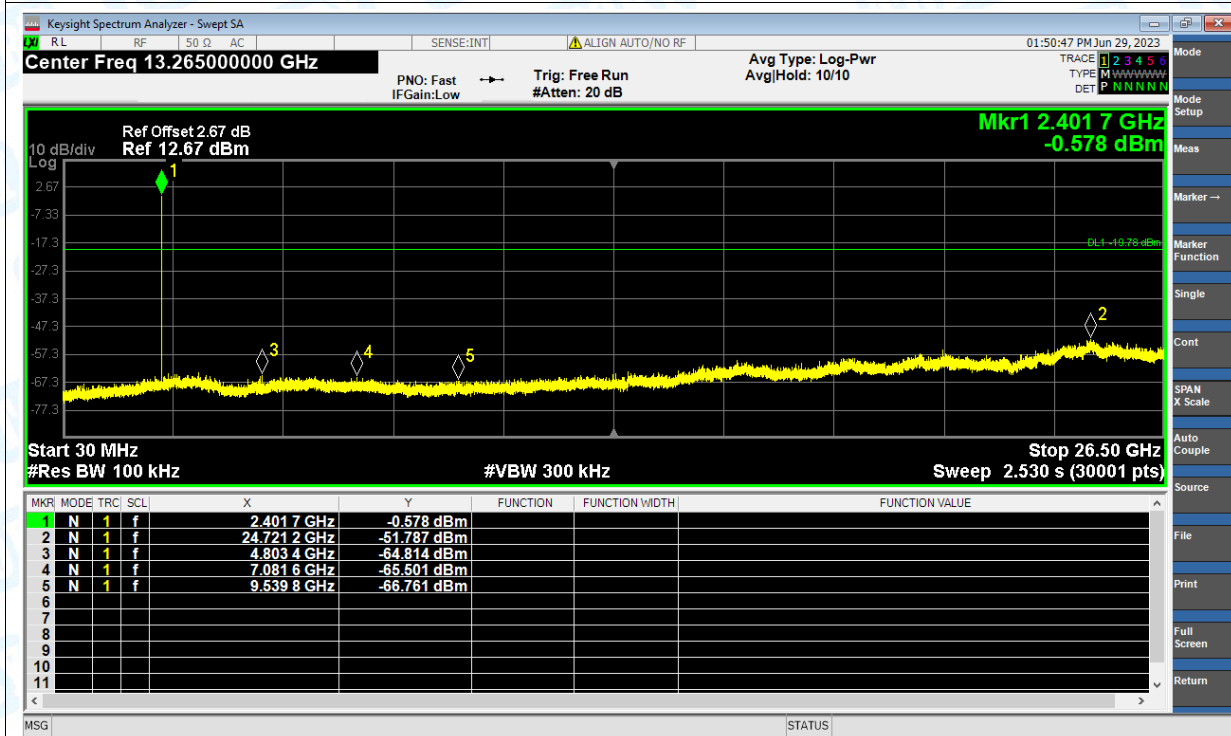
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-52.01	-20	Pass
NVNT	1-DH1	2441	Ant1	-43.11	-20	Pass
NVNT	1-DH1	2480	Ant1	-50.82	-20	Pass
NVNT	2-DH1	2402	Ant1	-51.67	-20	Pass
NVNT	2-DH1	2441	Ant1	-49.91	-20	Pass
NVNT	2-DH1	2480	Ant1	-50.42	-20	Pass
NVNT	3-DH1	2402	Ant1	-51.28	-20	Pass
NVNT	3-DH1	2441	Ant1	-50.72	-20	Pass
NVNT	3-DH1	2480	Ant1	-51.21	-20	Pass

Test Graphs

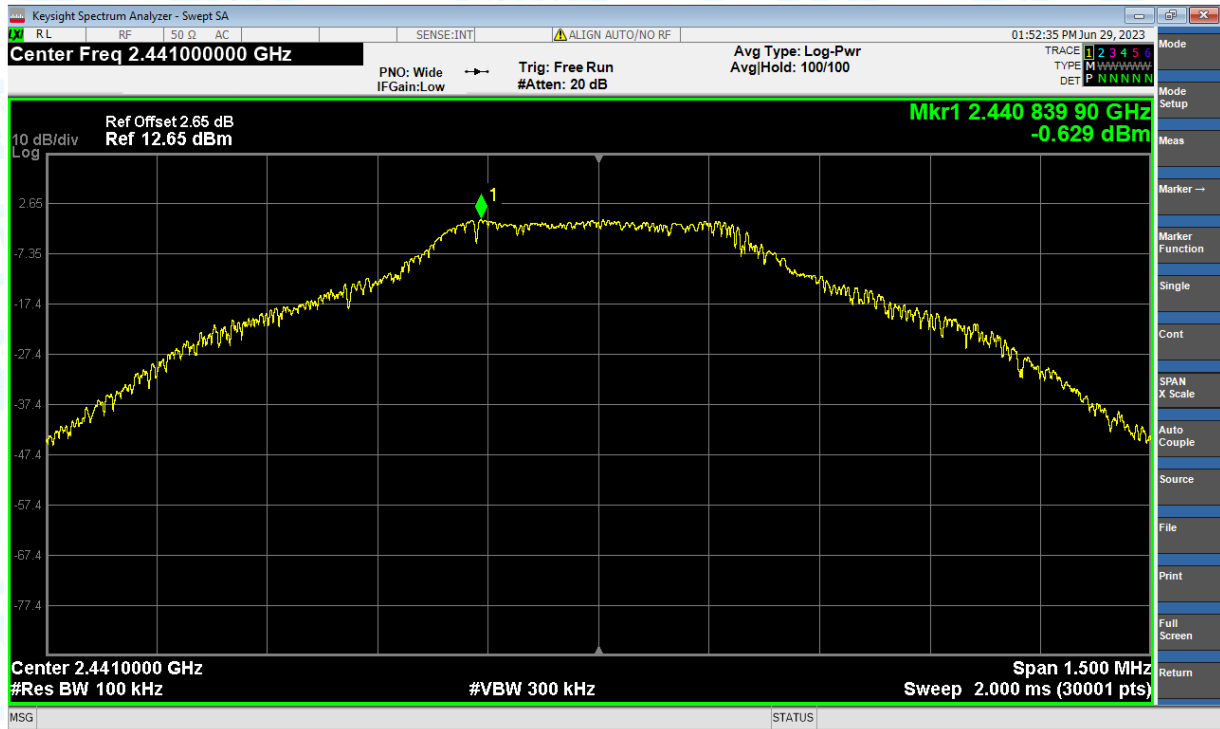
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



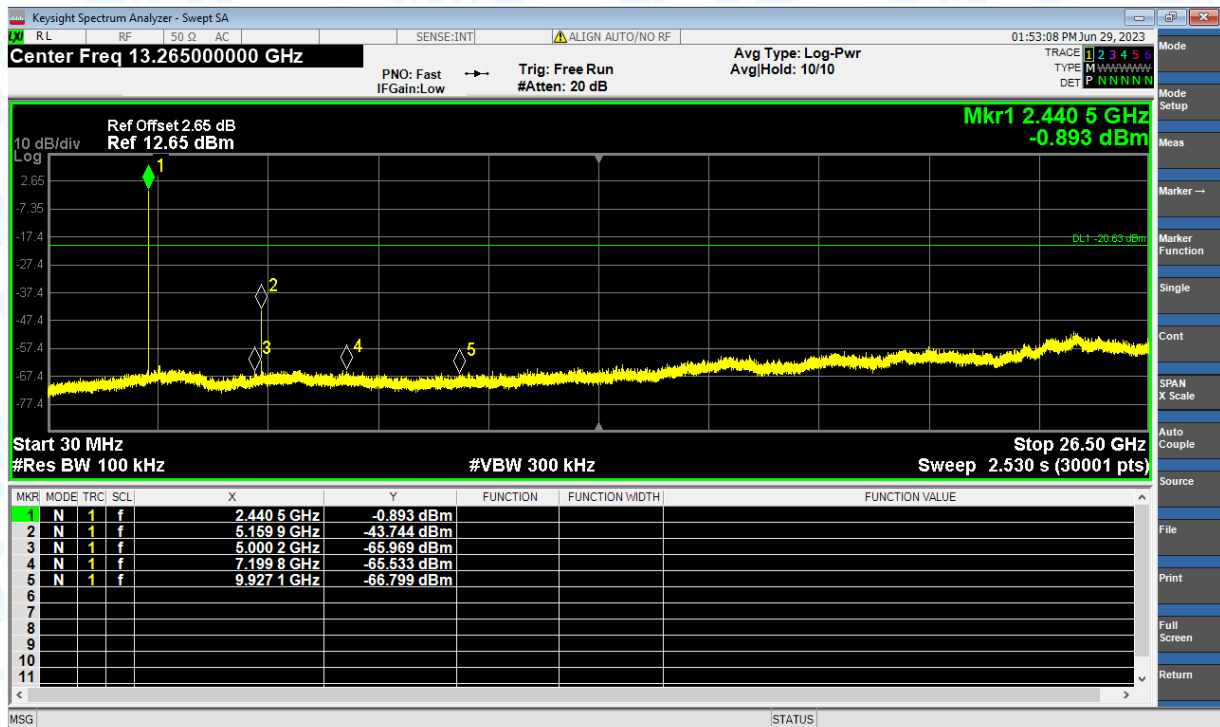
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



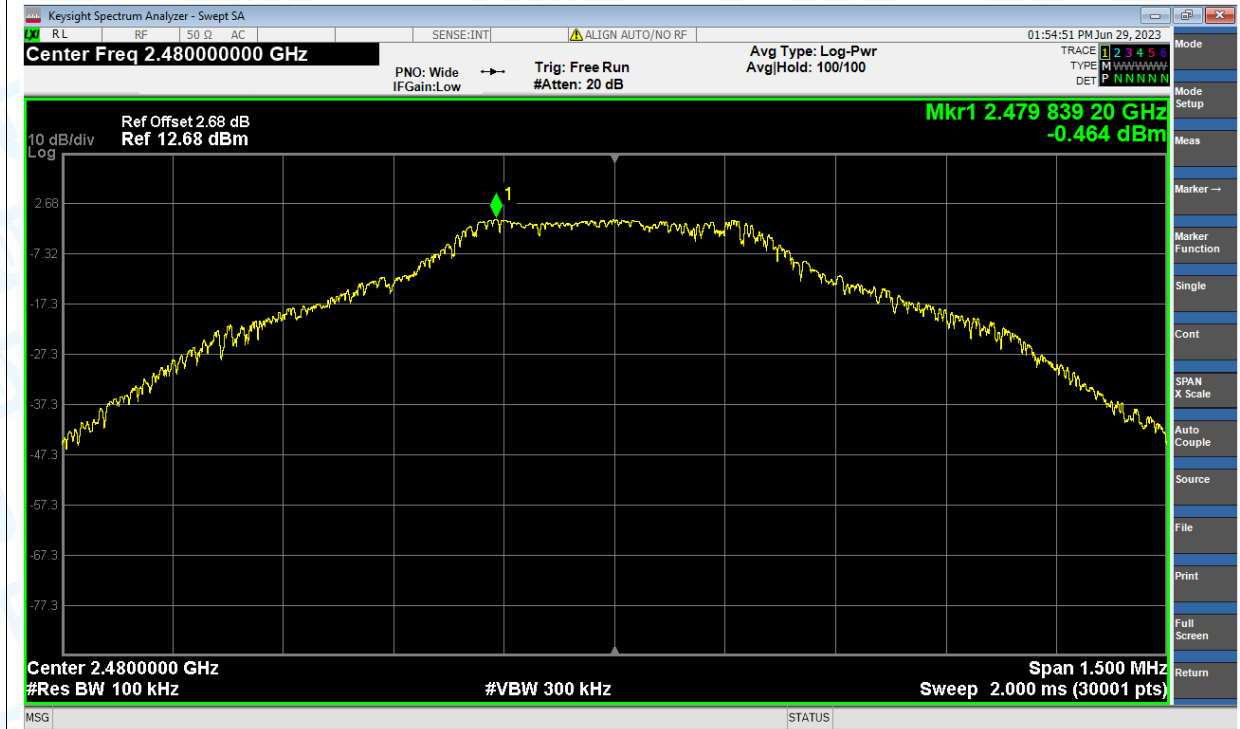
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



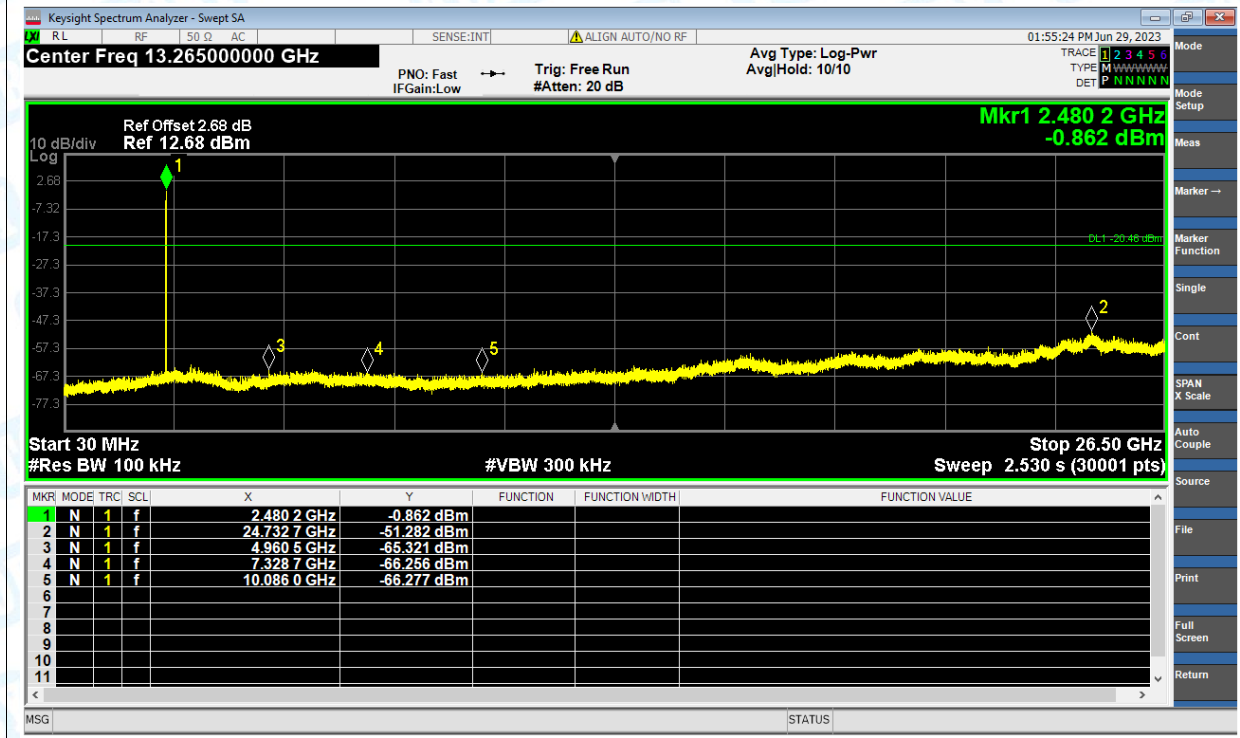
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



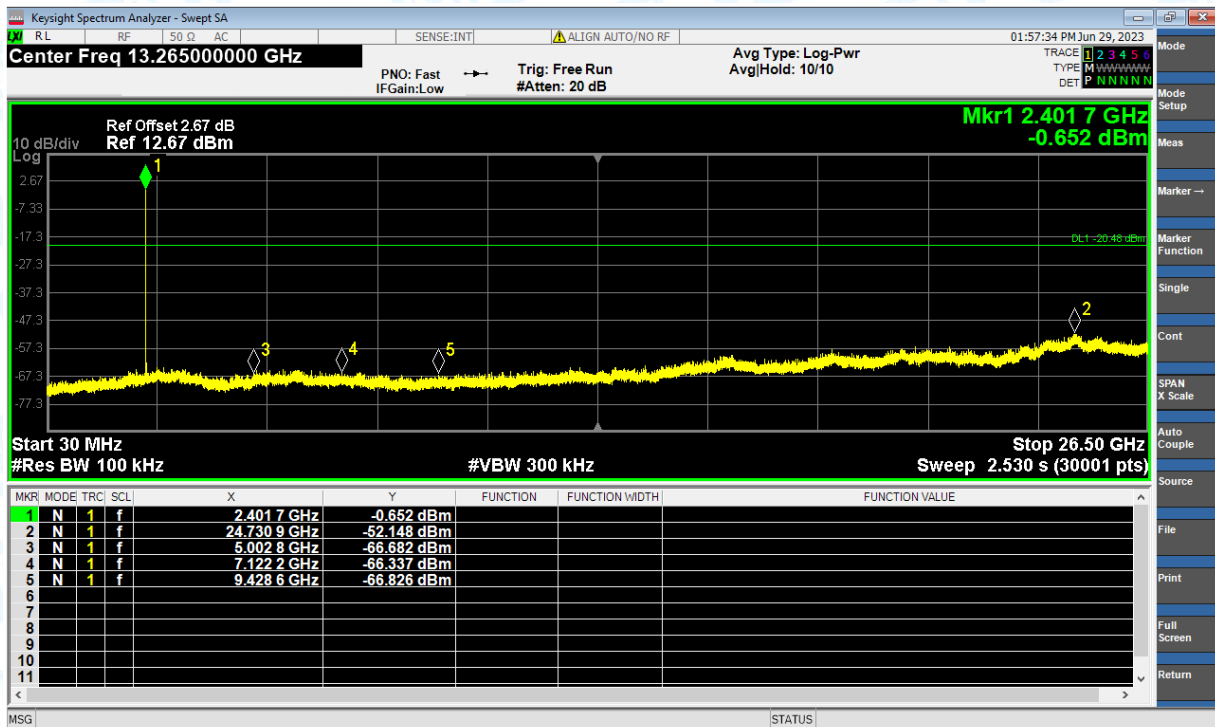
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



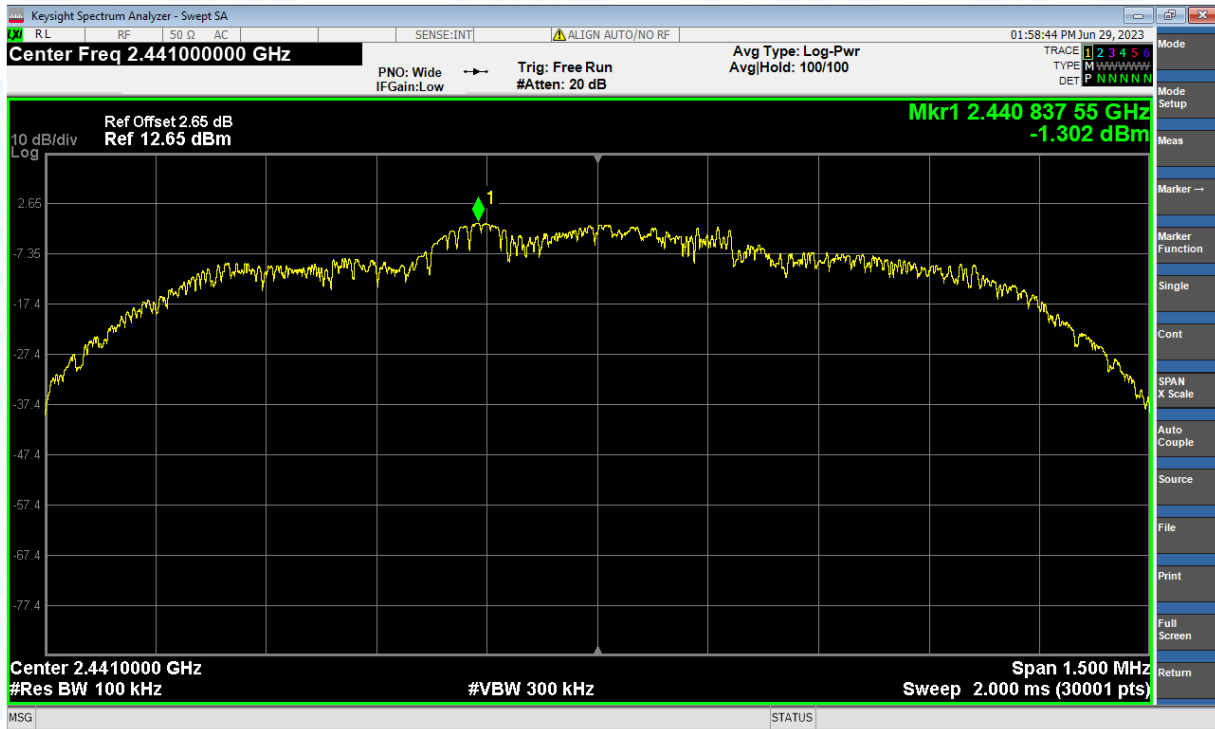
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



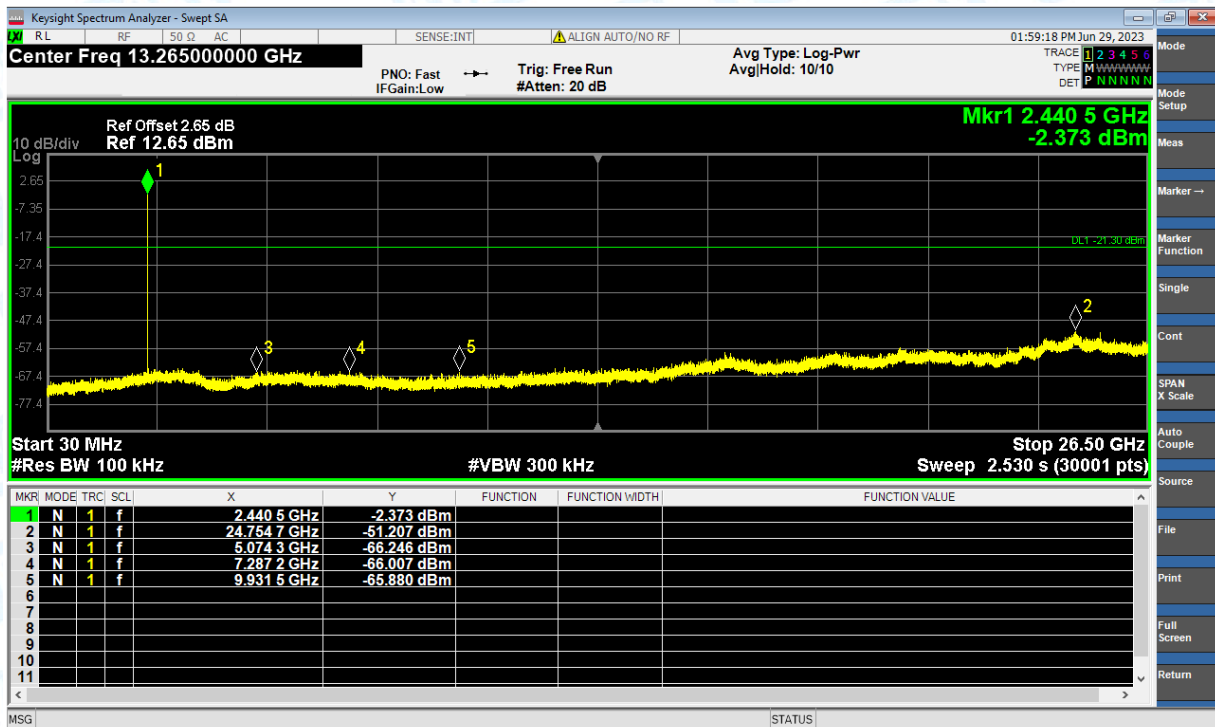
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



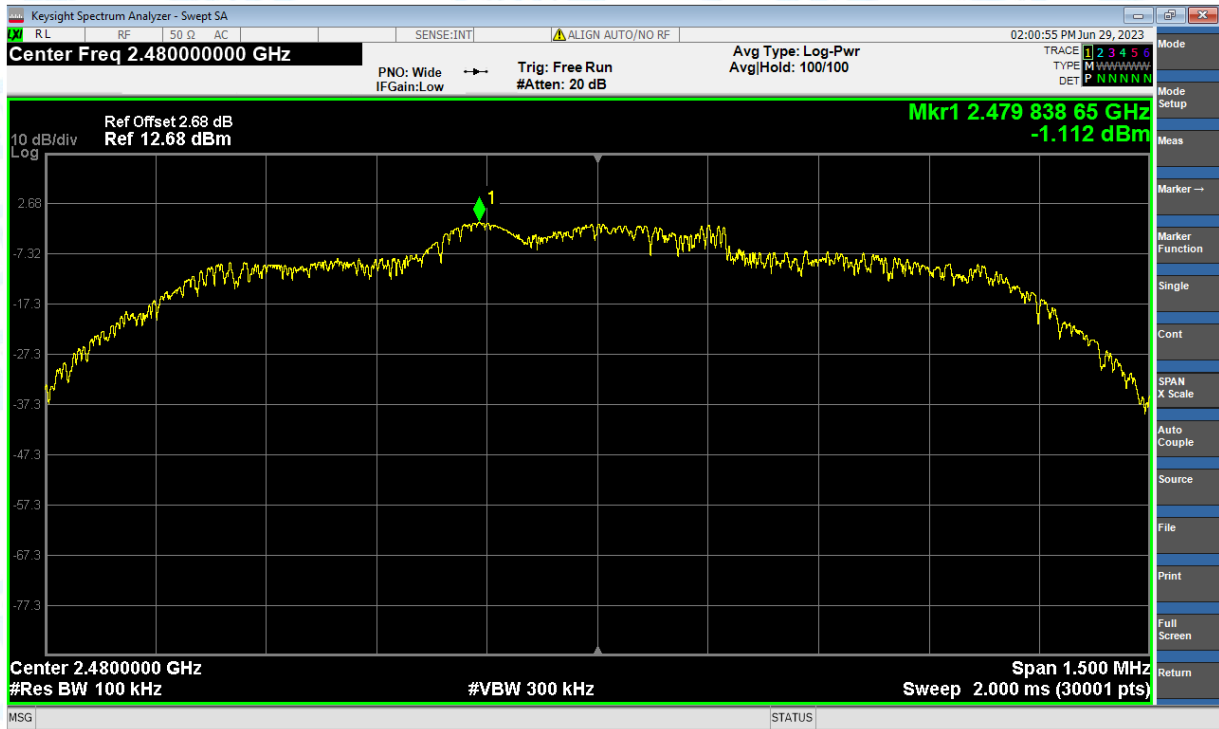
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



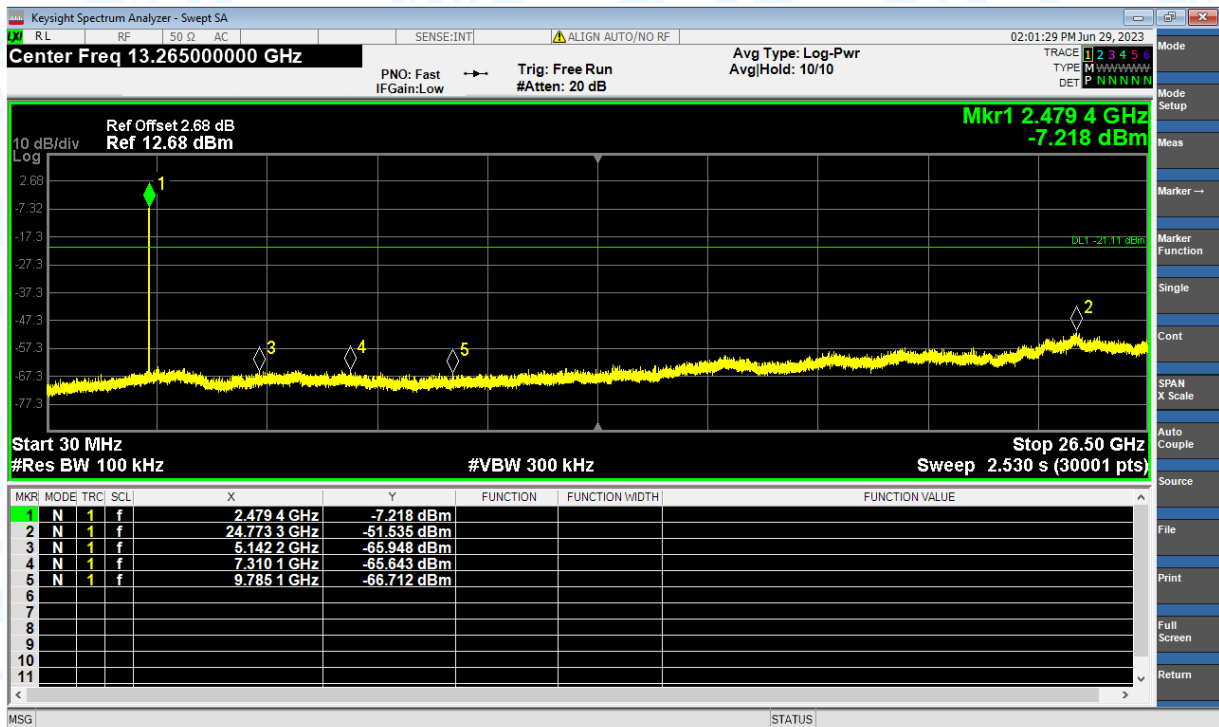
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



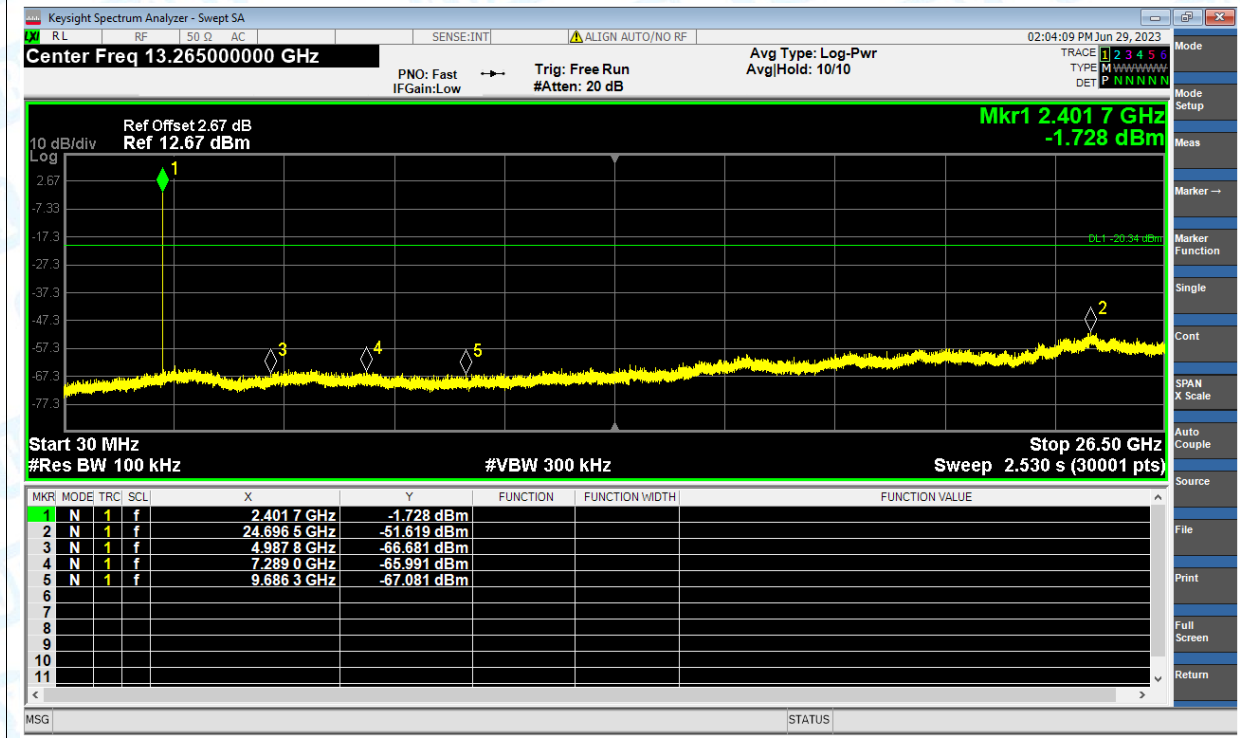
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



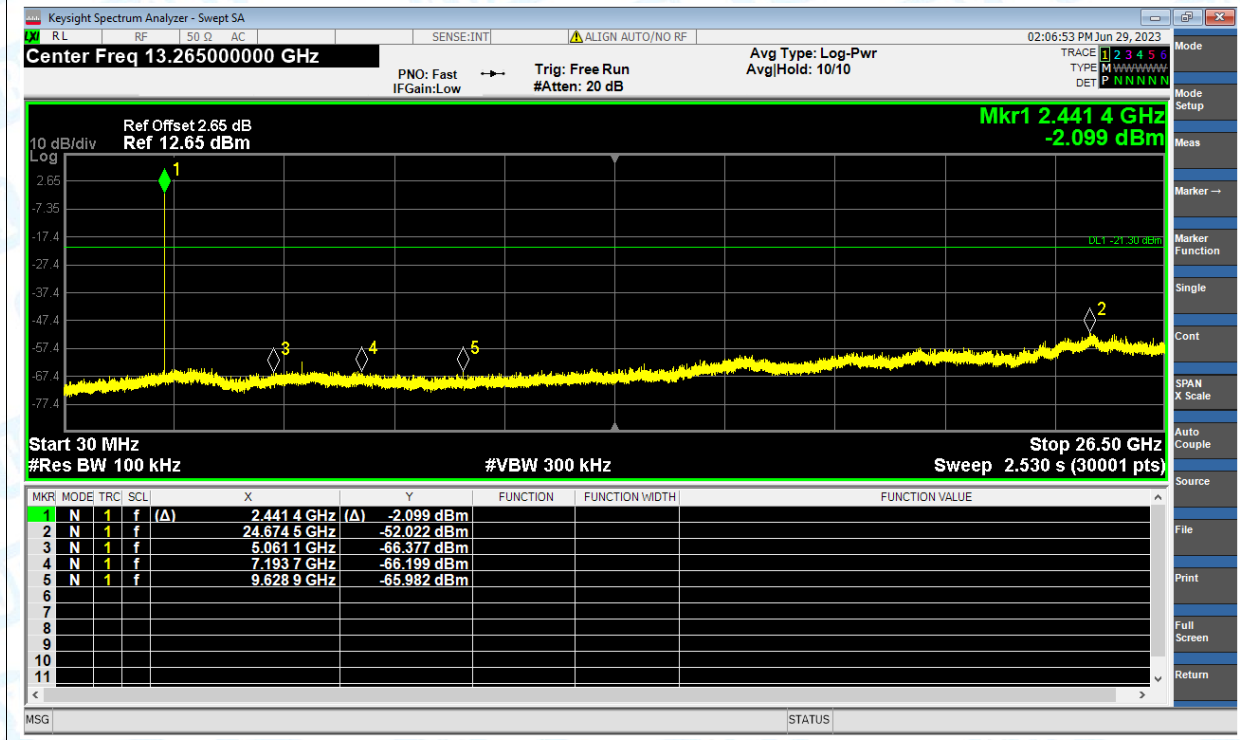
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



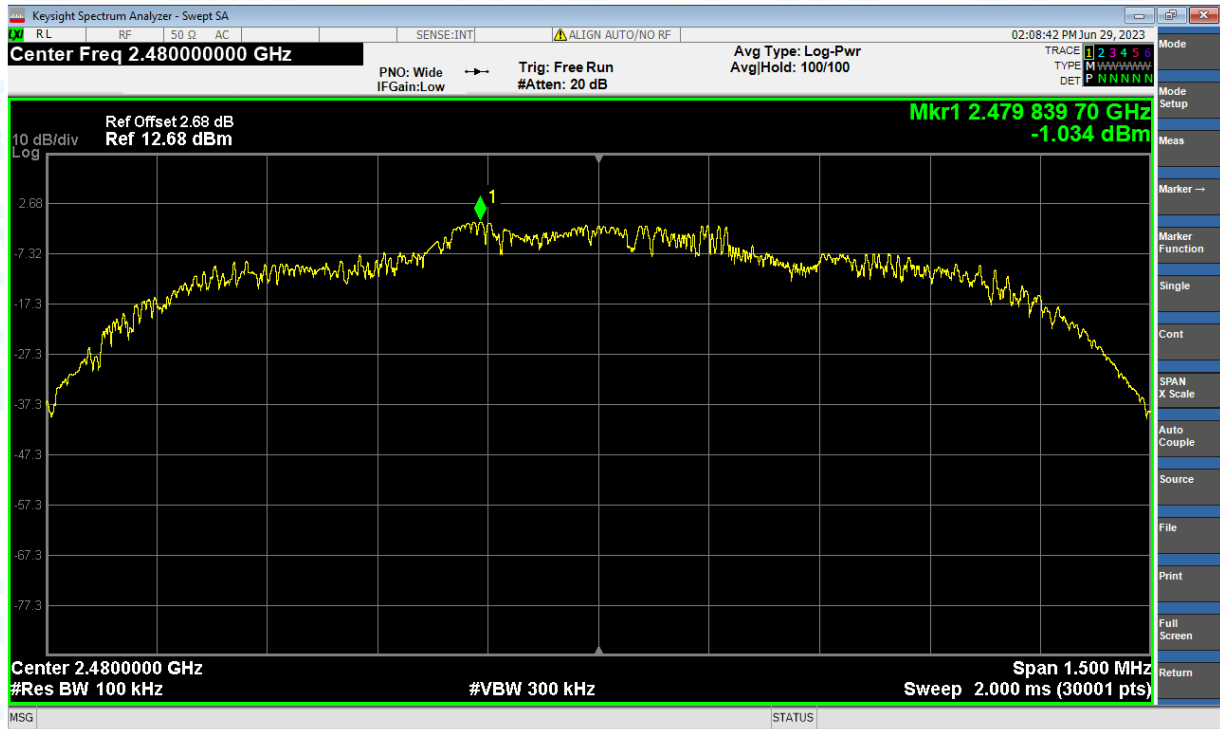
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



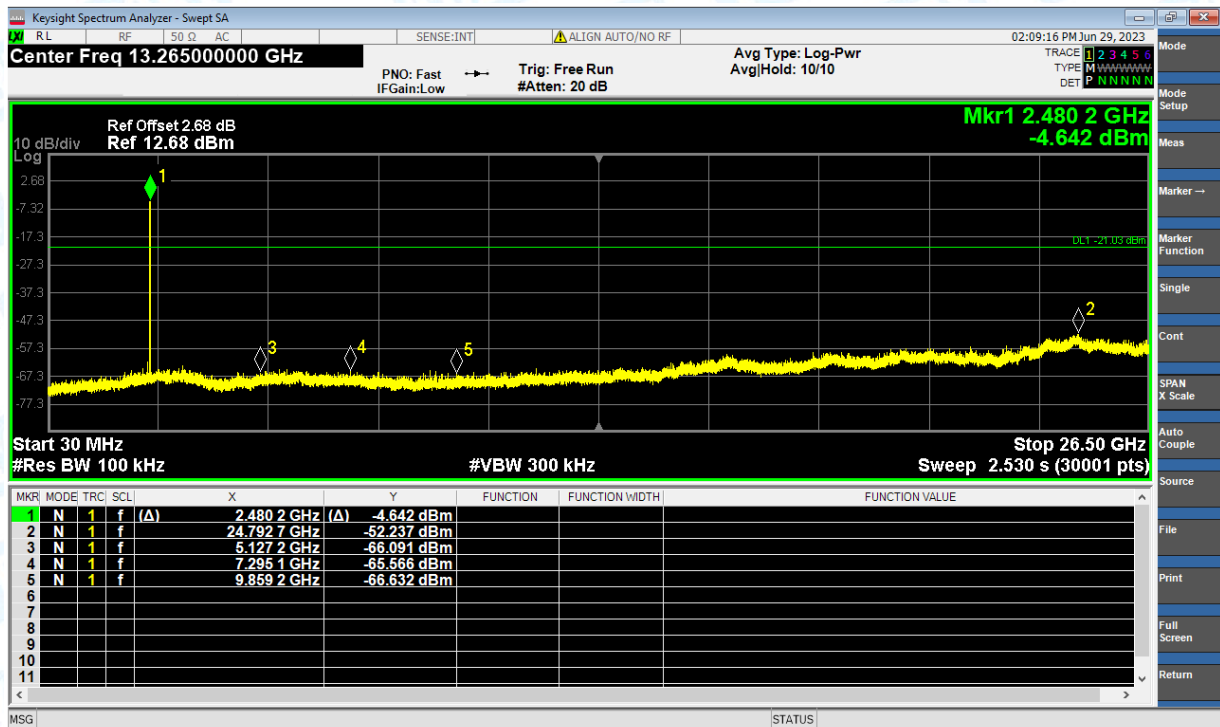
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

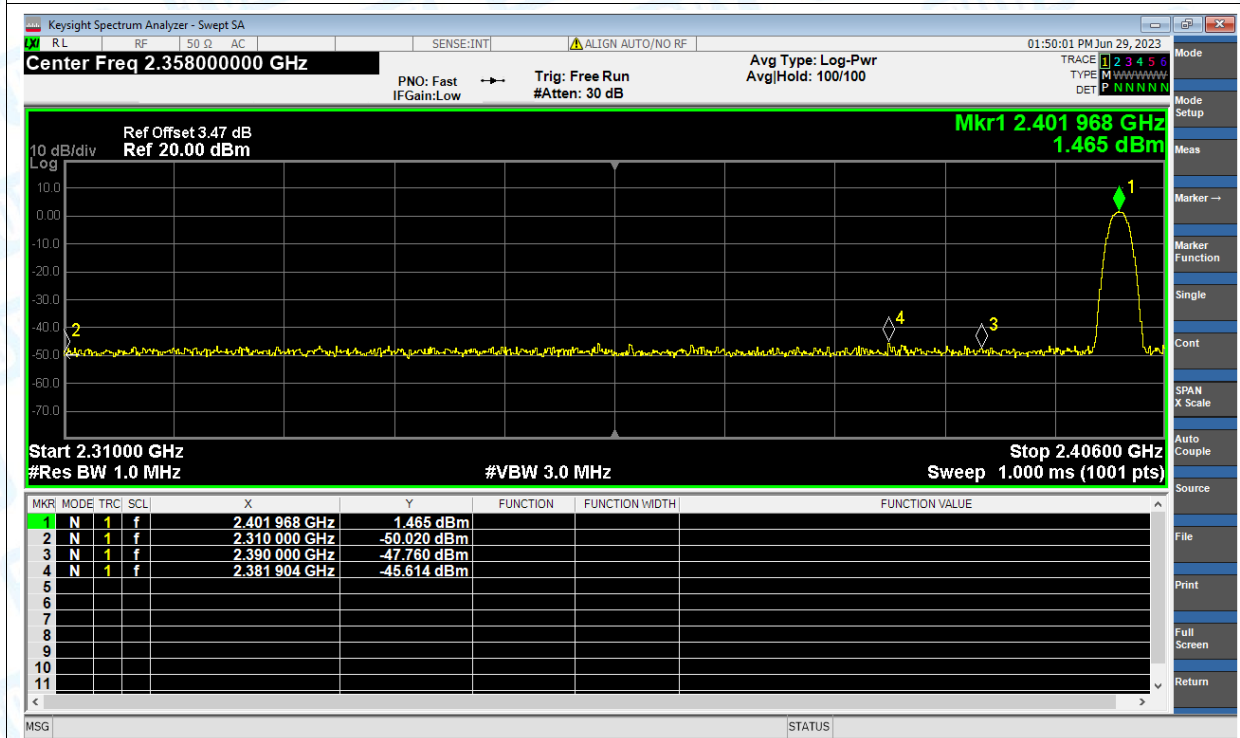


8. Restrict Band

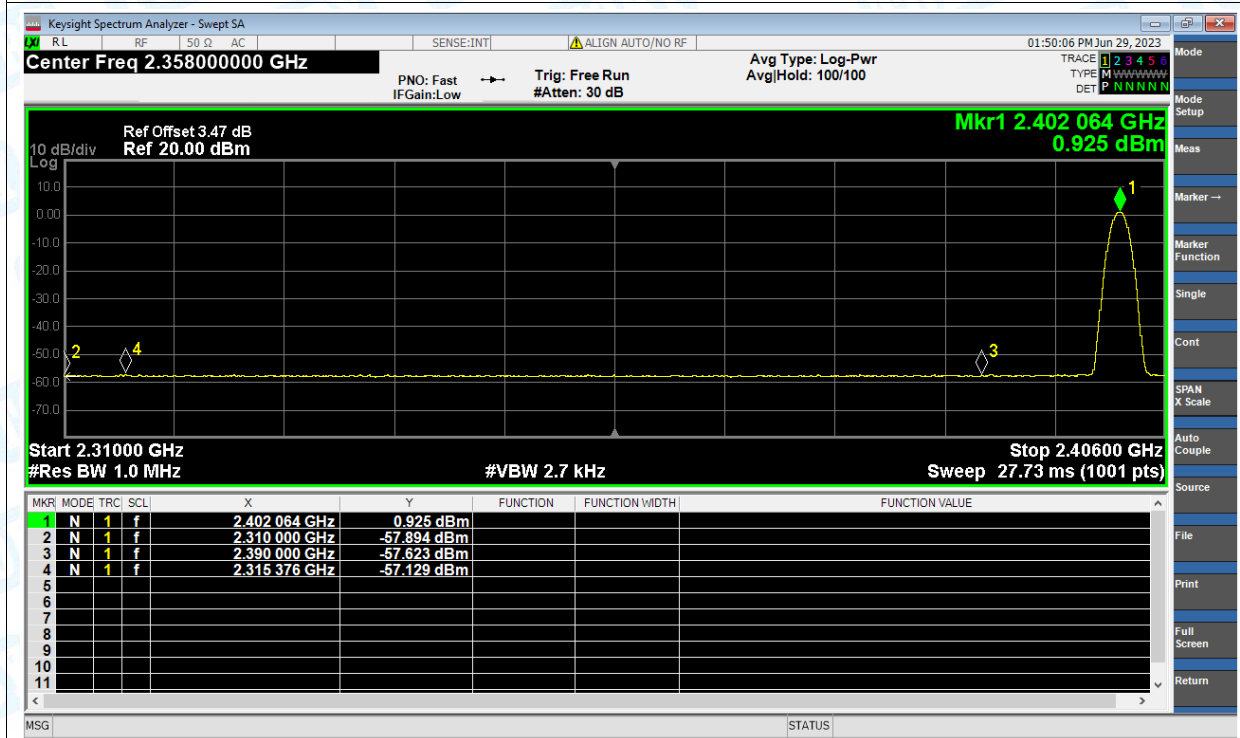
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-50.02	2	47.24	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-57.89	2	39.37	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2381.904	-45.61	2	51.65	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2315.376	-57.13	2	40.13	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-47.05	2	50.21	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-57.65	2	39.61	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-49.14	2	48.12	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-57.49	2	39.77	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2486.752	-45.11	2	52.15	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2497.576	-56.97	2	40.29	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-47.58	2	49.68	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-57.75	2	39.51	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-49.93	2	47.33	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-57.63	2	39.63	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2340.528	-44.51	2	52.75	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2319.024	-57.24	2	40.02	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-48.82	2	48.44	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-57.52	2	39.74	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-48.75	2	48.51	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-57.52	2	39.74	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2493.208	-45.37	2	51.89	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2496.88	-57.14	2	40.12	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-49.06	2	48.2	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-57.61	2	39.65	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-48.39	2	48.87	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-57.53	2	39.73	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2388.432	-45.9	2	51.36	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2365.008	-57.02	2	40.24	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-47.56	2	49.7	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-57.55	2	39.71	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-48.34	2	48.92	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-57.52	2	39.74	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2485.408	-45.9	2	51.36	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2492.416	-57.02	2	40.24	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-47.64	2	49.62	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-57.54	2	39.72	Average	54	Pass

Test Graphs

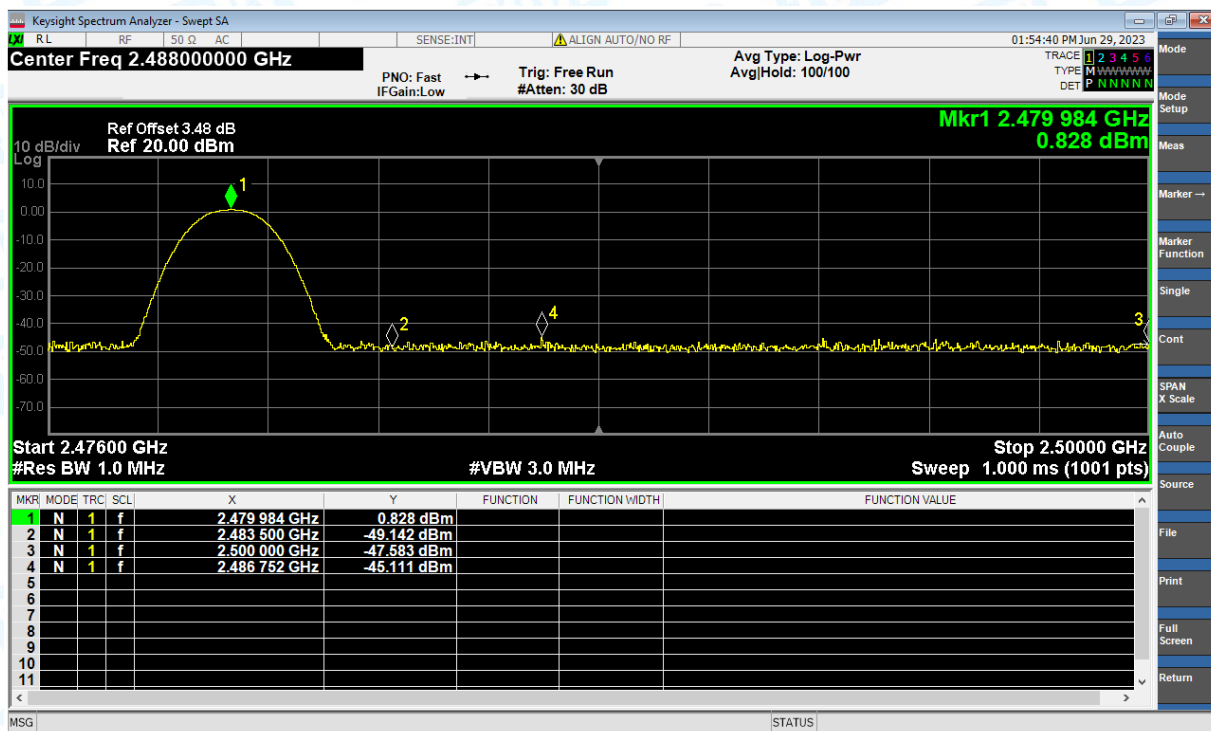
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



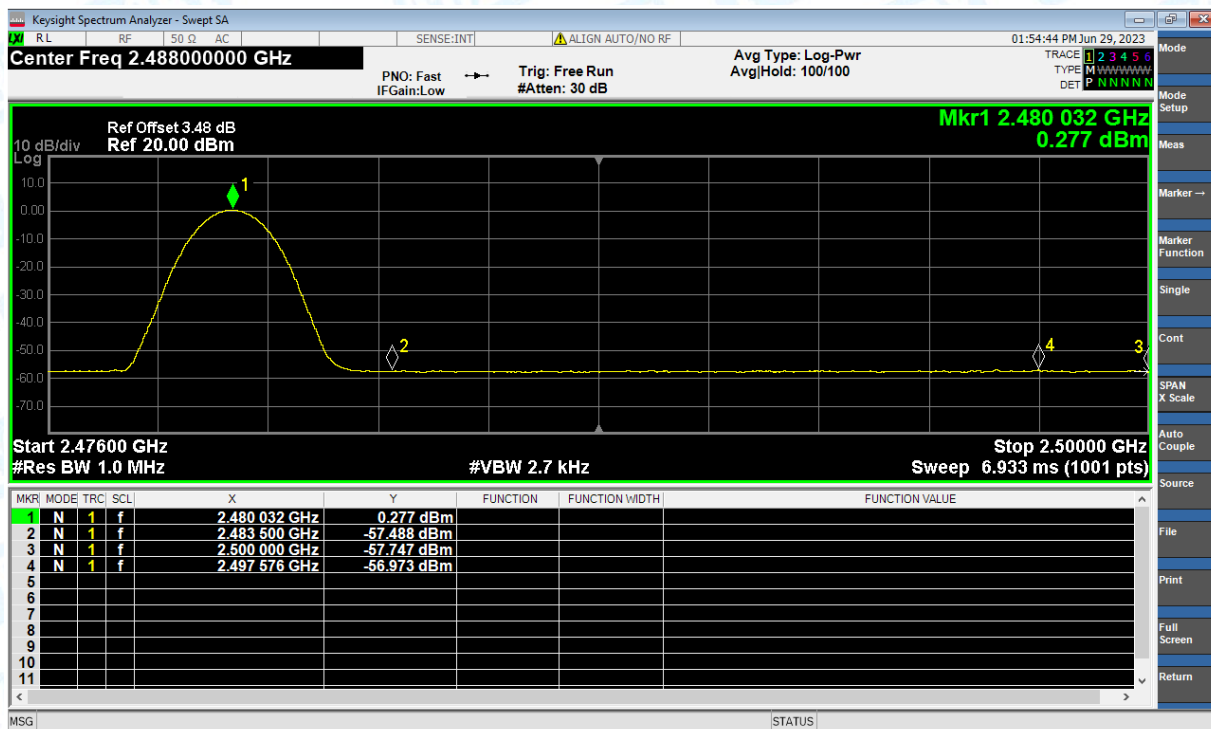
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



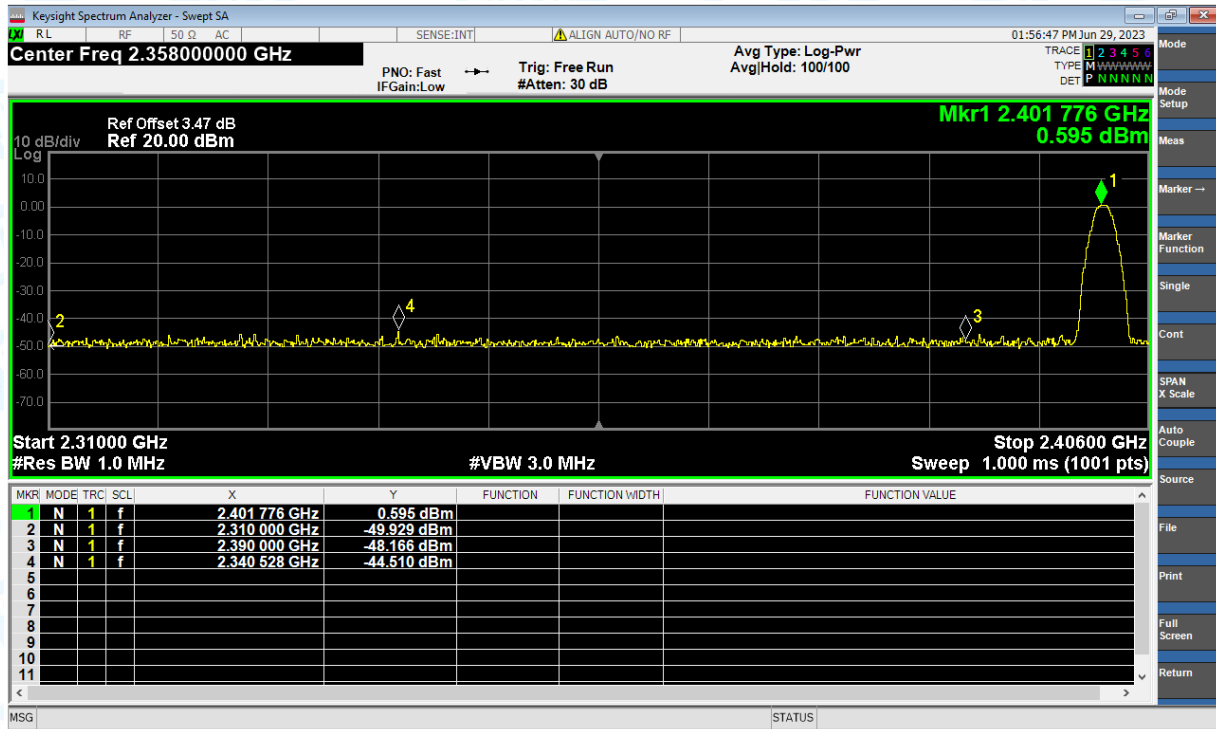
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



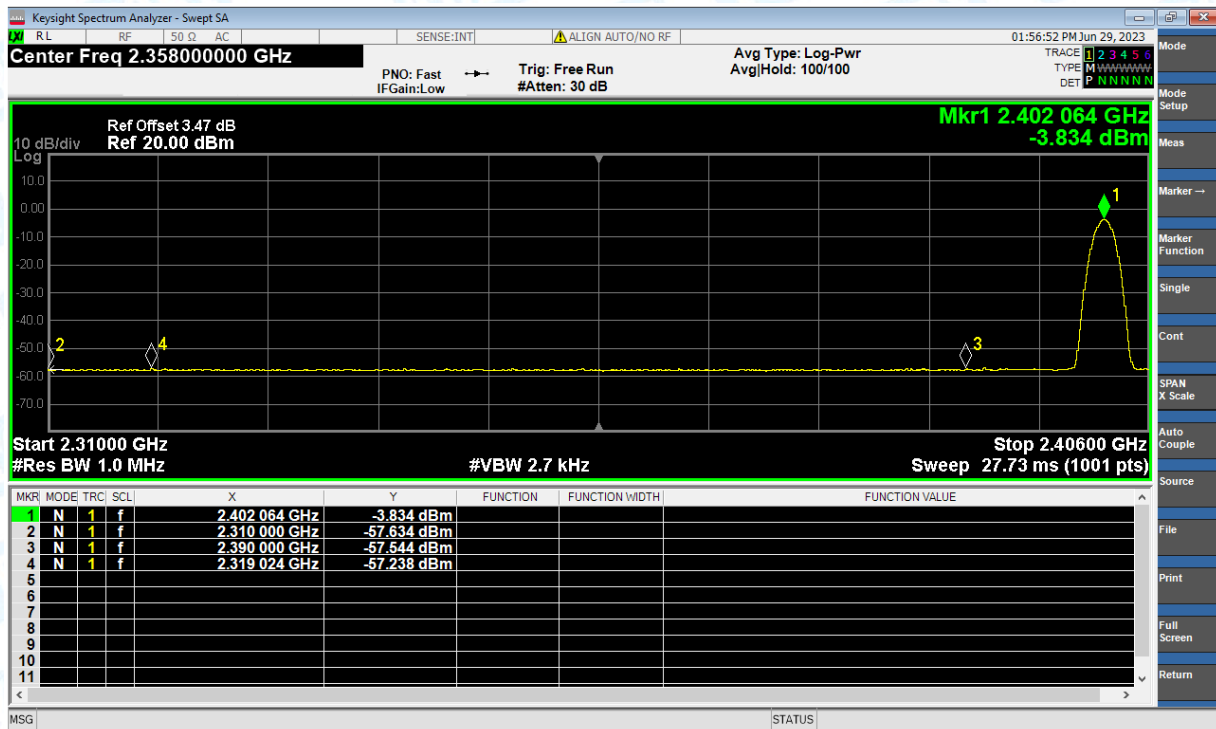
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



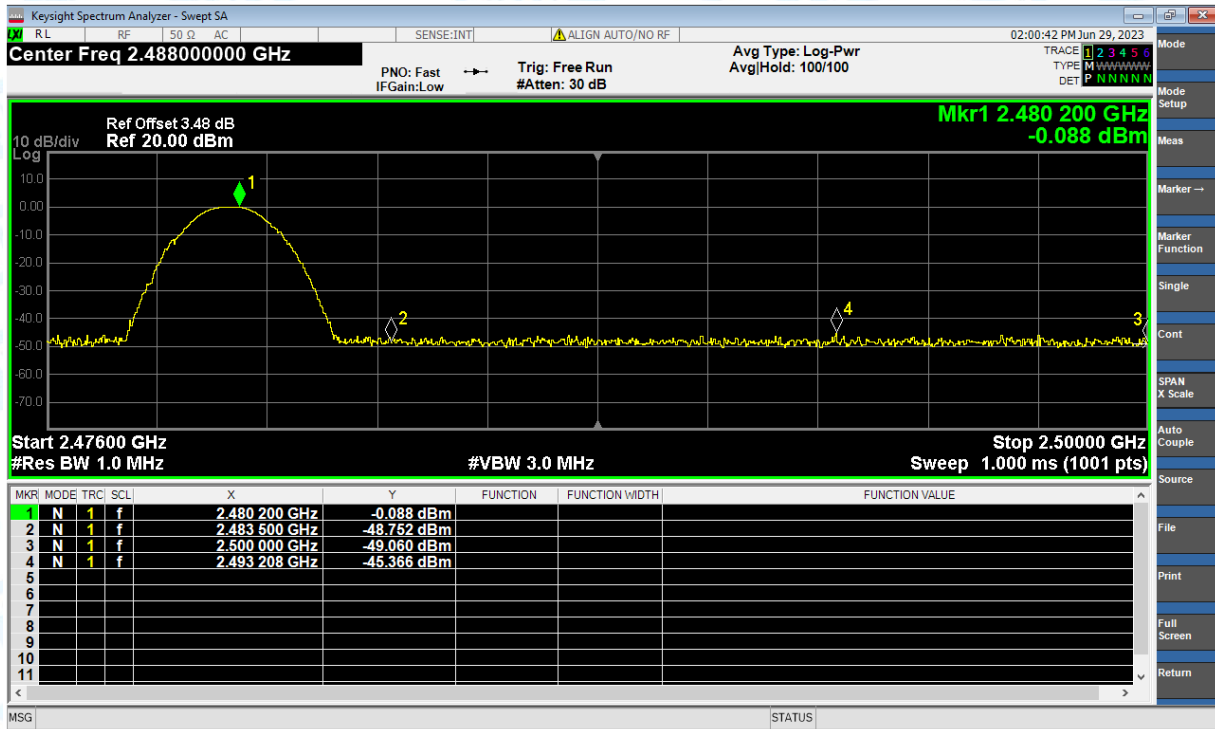
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



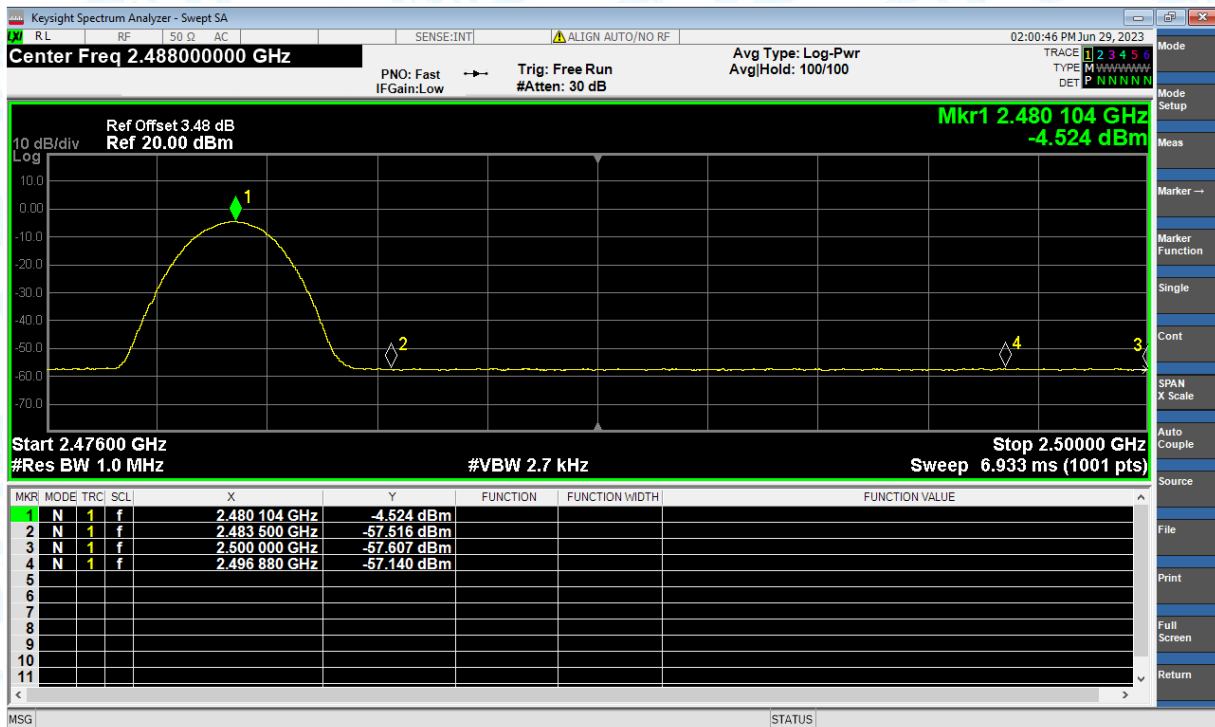
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



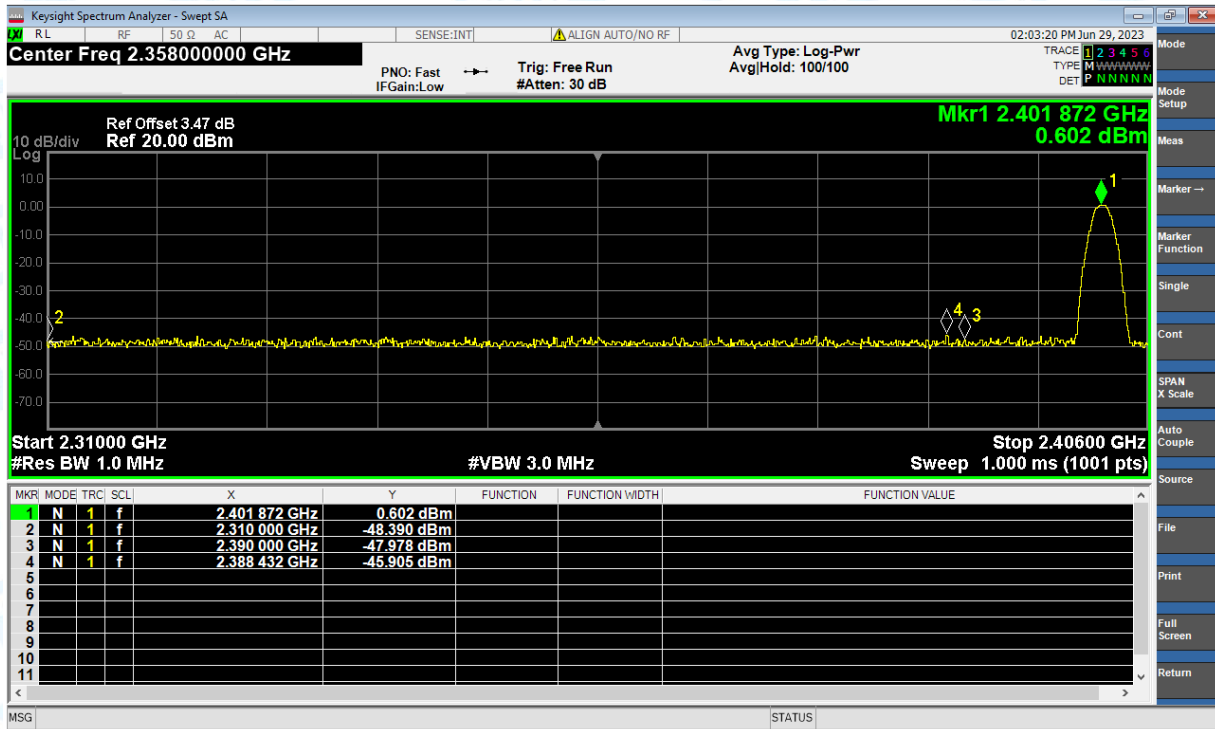
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



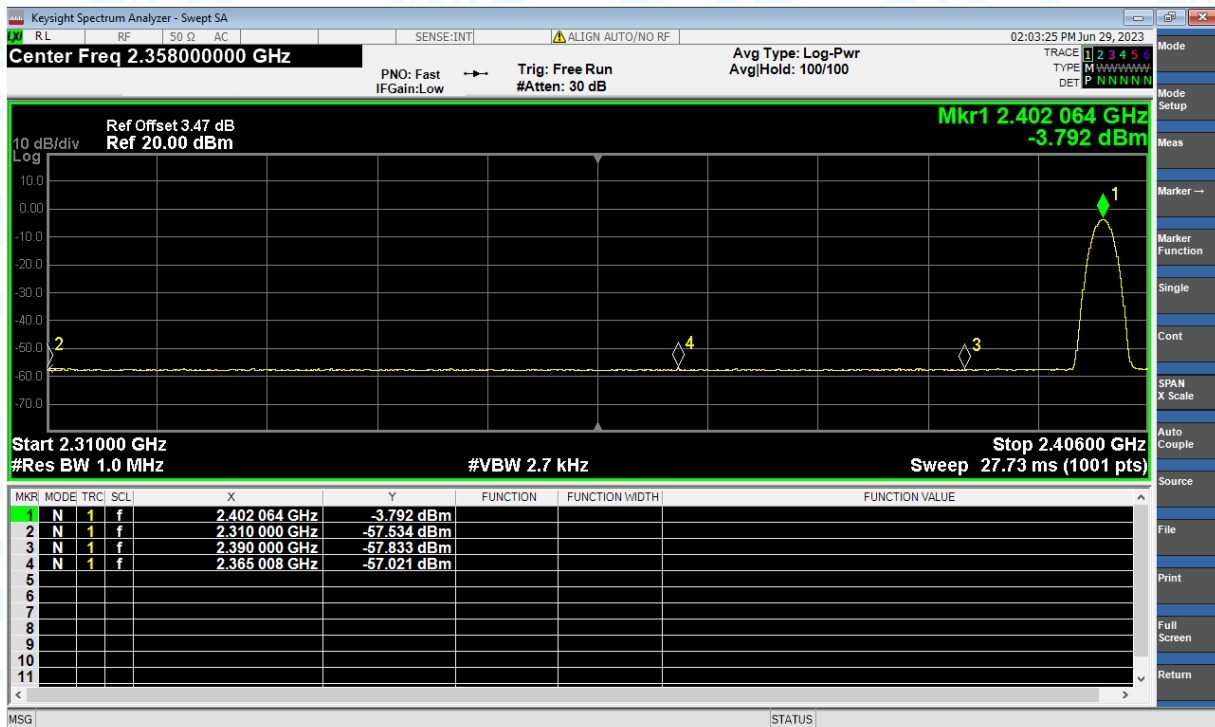
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



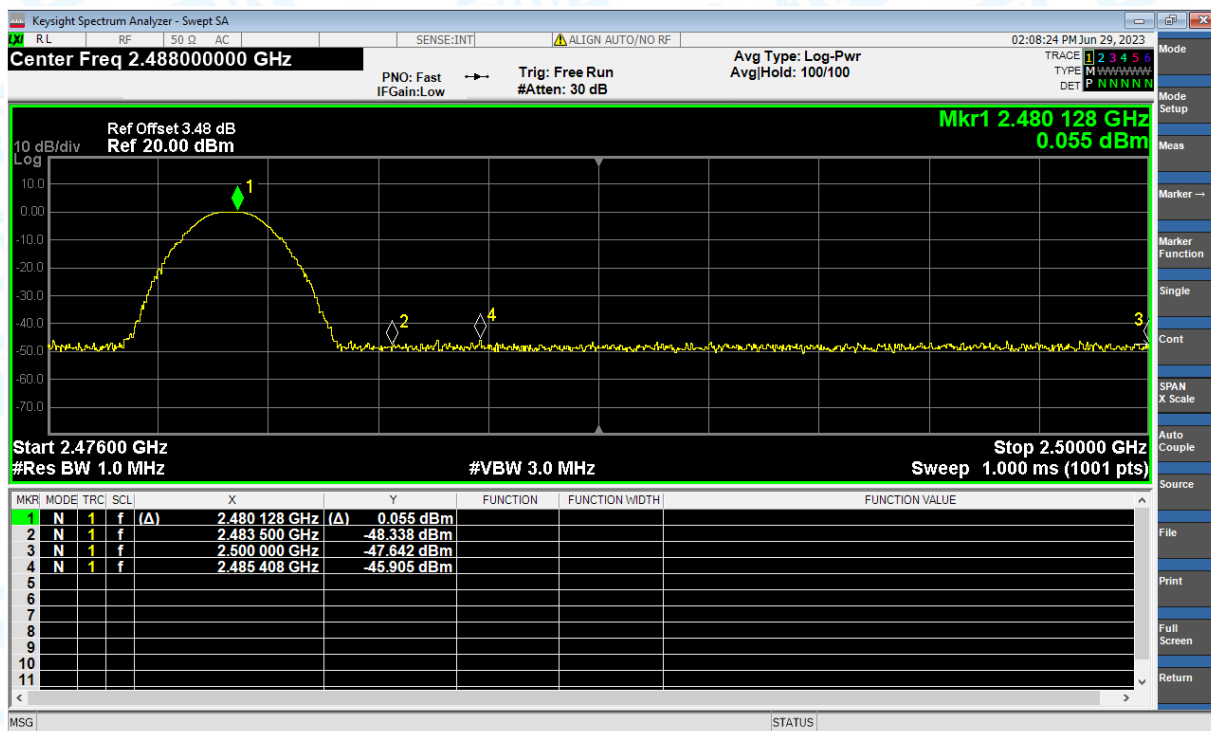
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



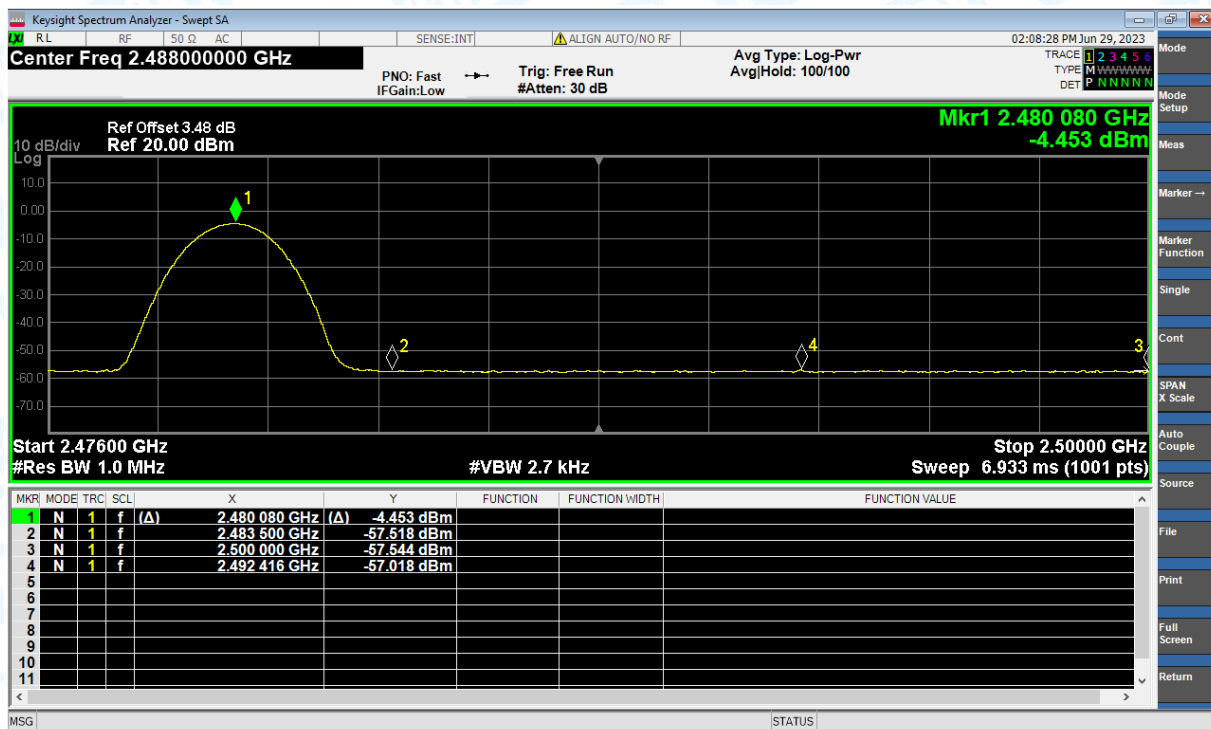
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average



9. Carrier Frequencies Separation

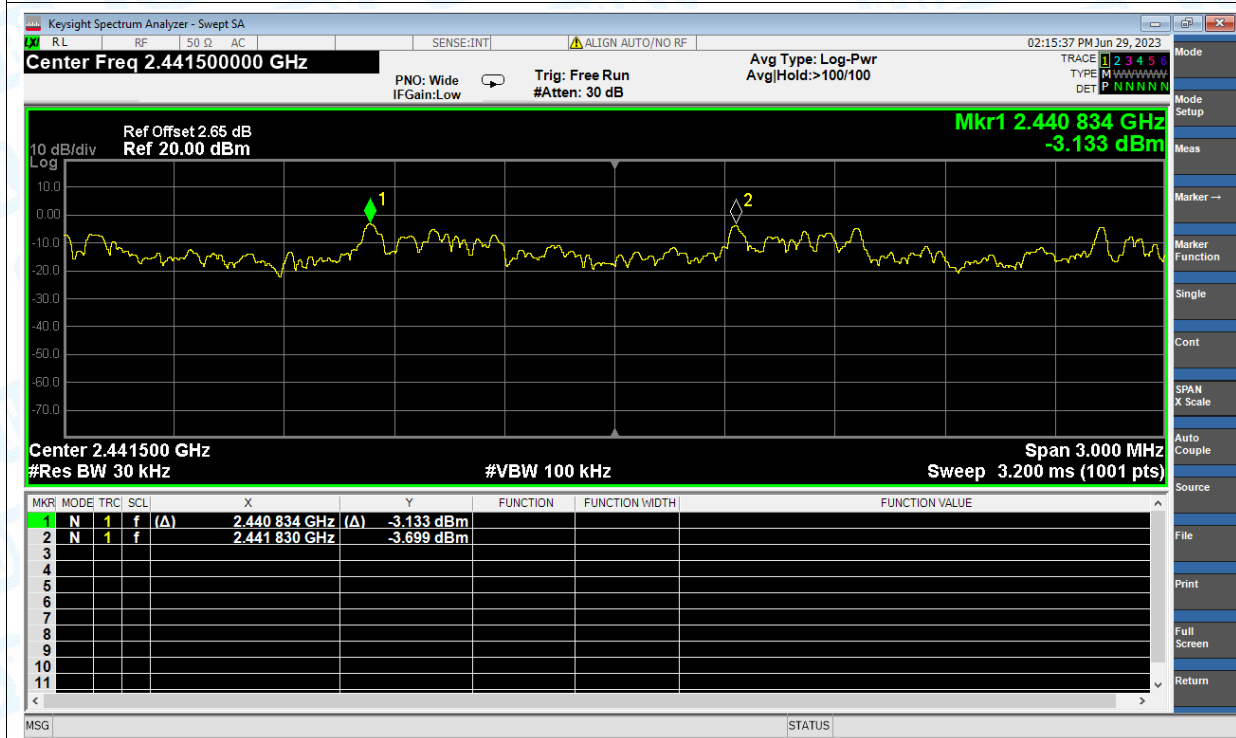
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.023	2441.974	0.951	0.507	Pass
NVNT	2-DH1	Ant1	2440.834	2441.83	0.996	0.8	Pass
NVNT	3-DH1	Ant1	2441.002	2441.839	0.837	0.813	Pass

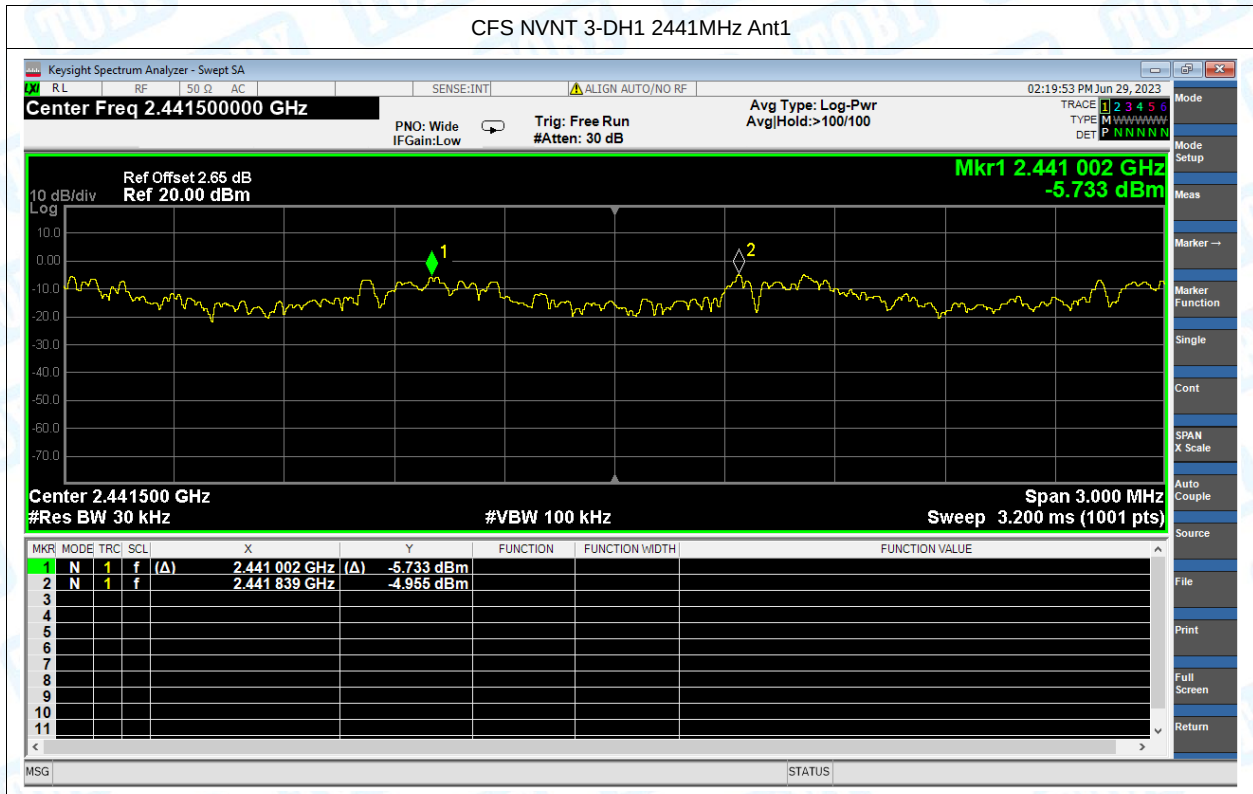
Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



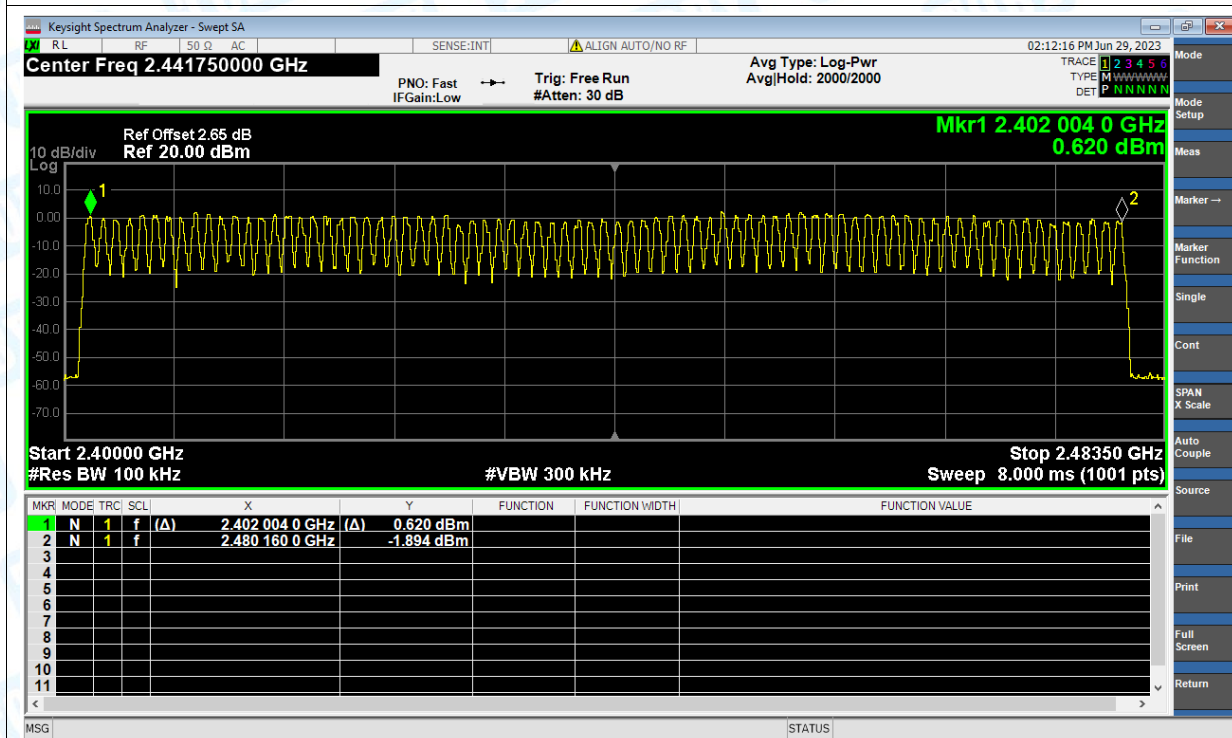


10. Number of Hopping Channel

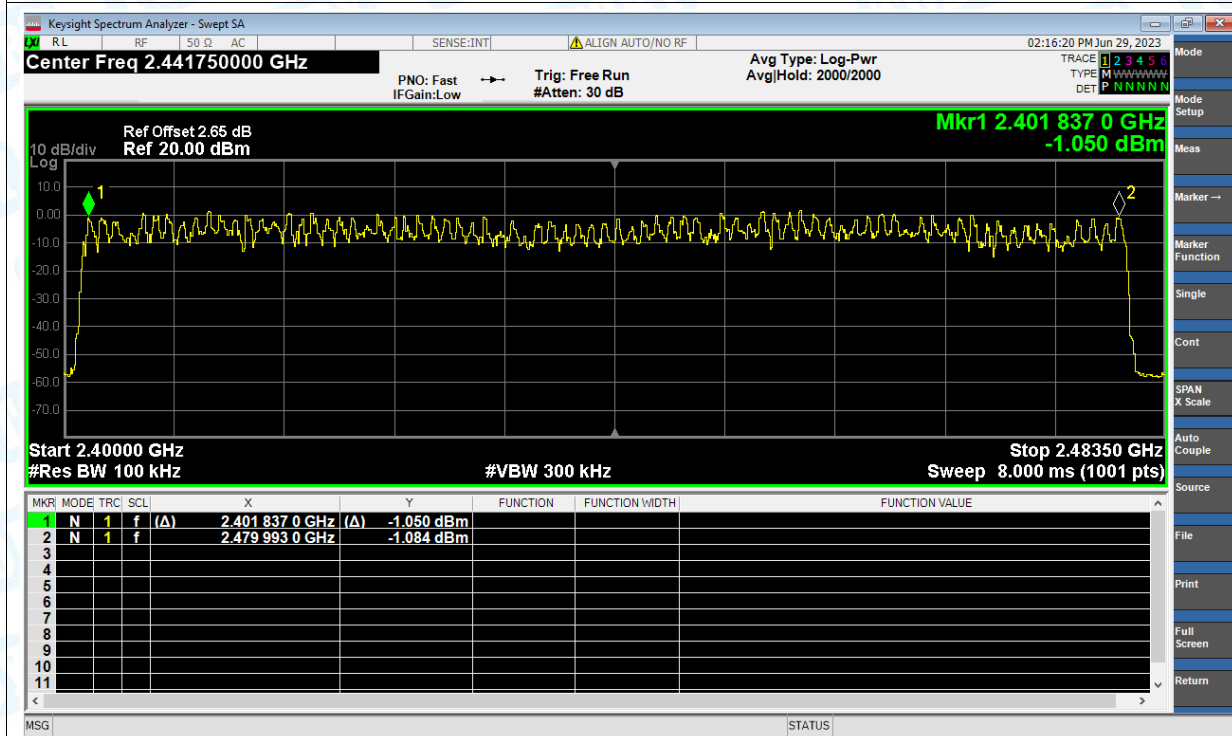
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

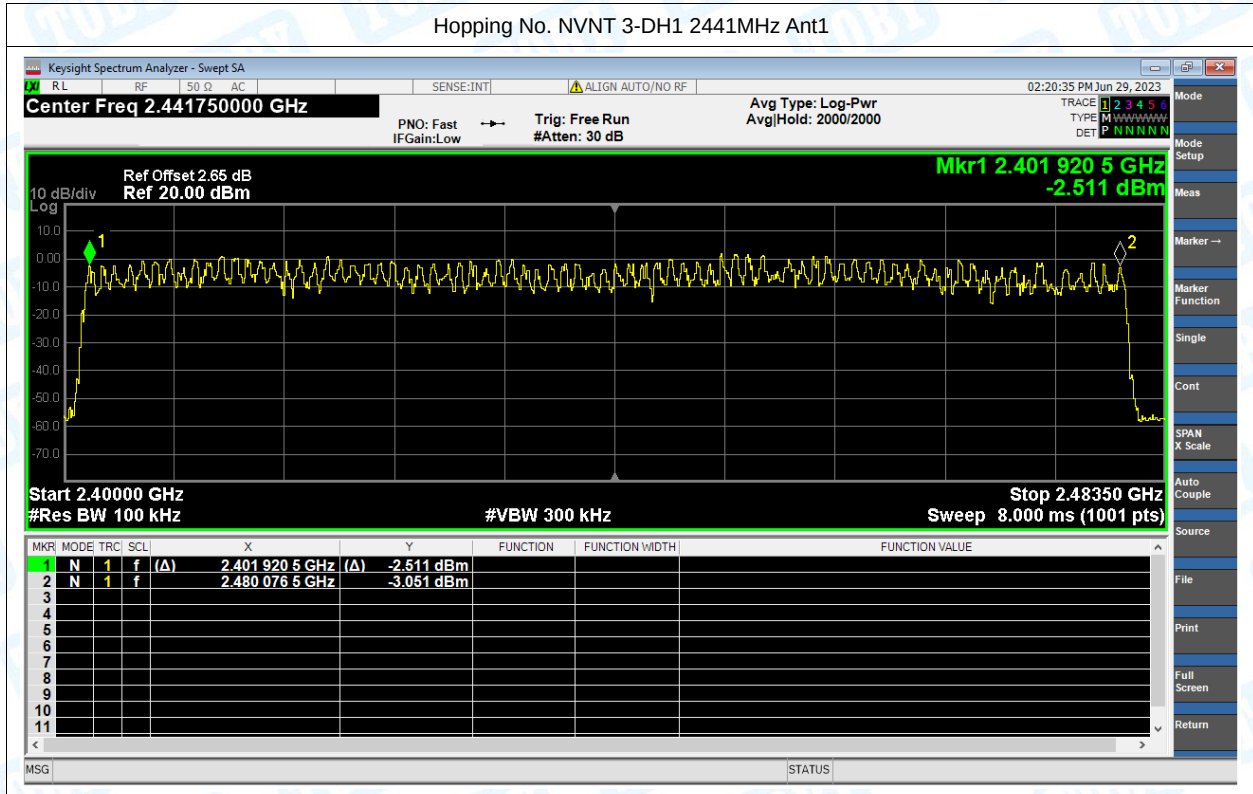
Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



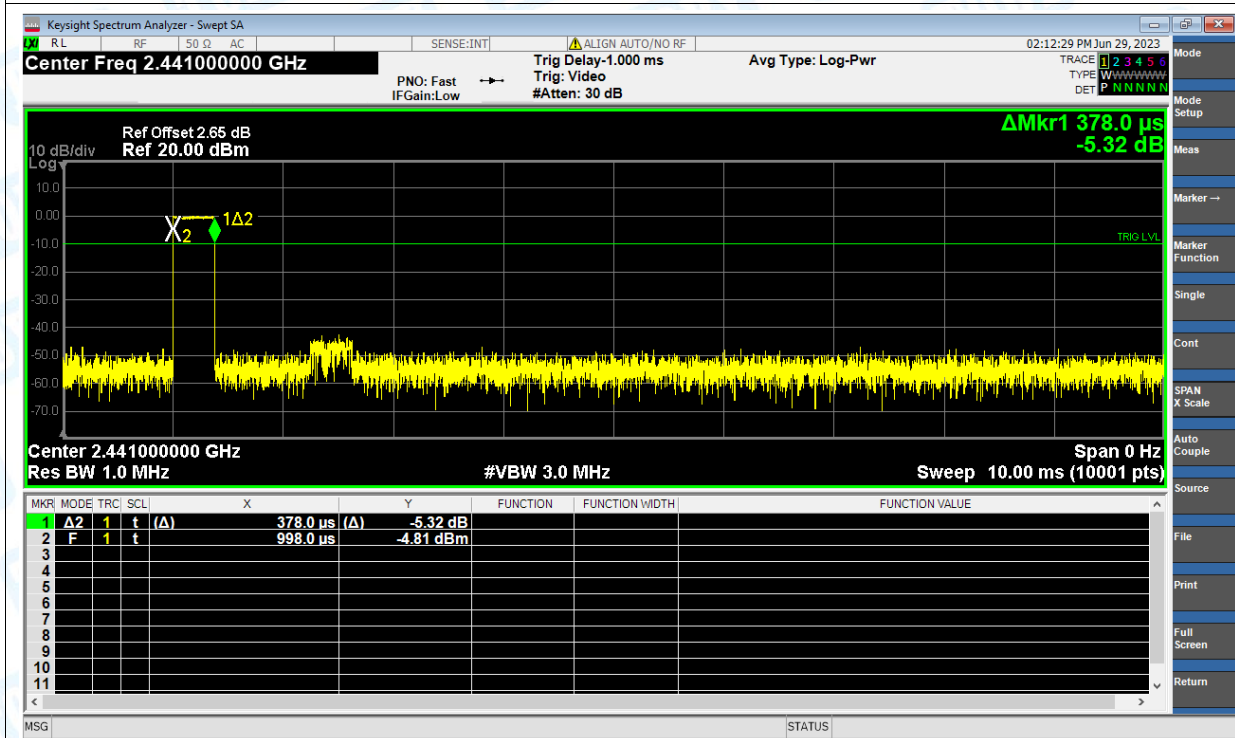


11. Dwell Time

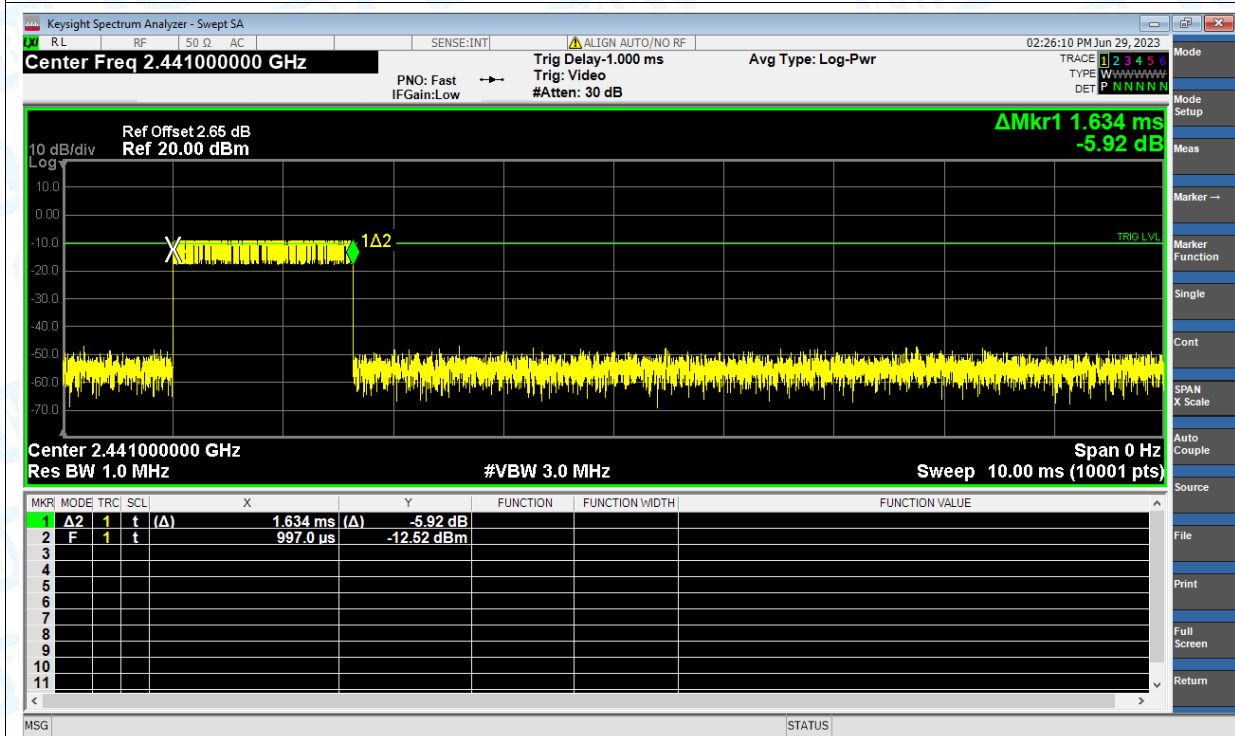
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.378	120.96	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.634	261.44	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.881	307.307	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.383	122.56	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.637	261.92	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.884	307.627	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.386	123.52	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.636	261.76	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	307.947	31600	400	Pass

Test Graphs

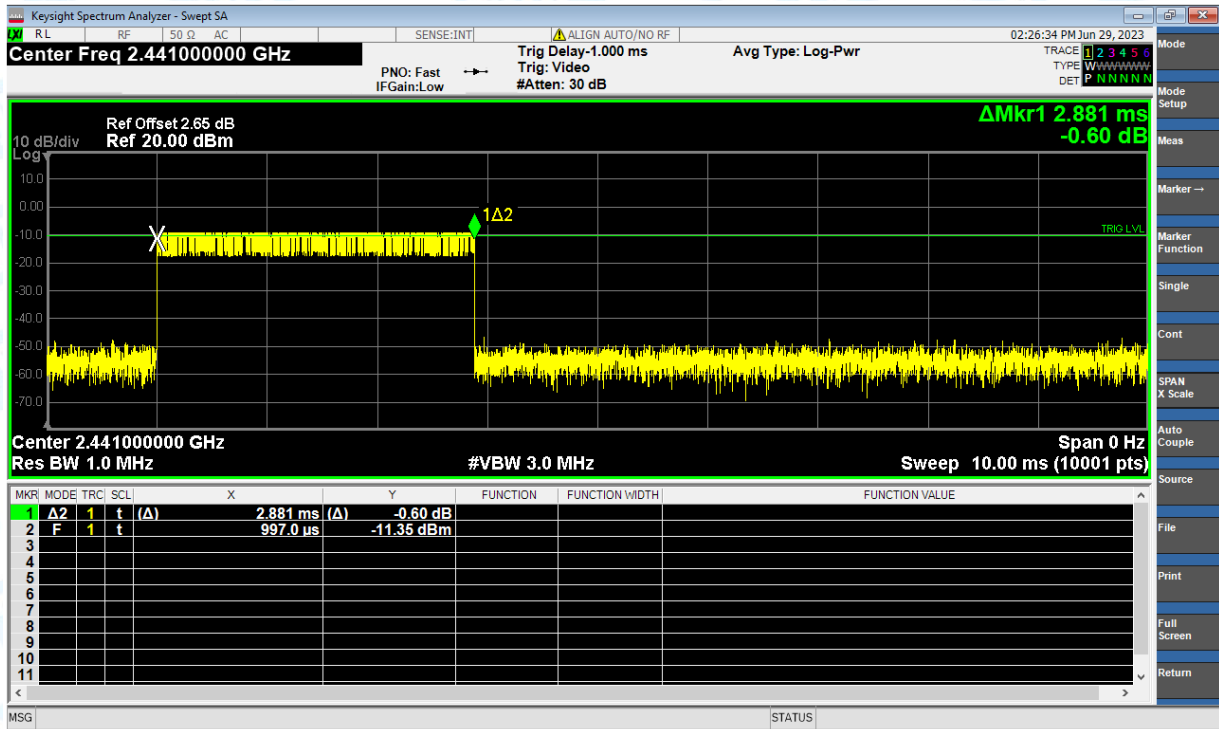
Dwell NVNT 1-DH1 2441MHz Ant1



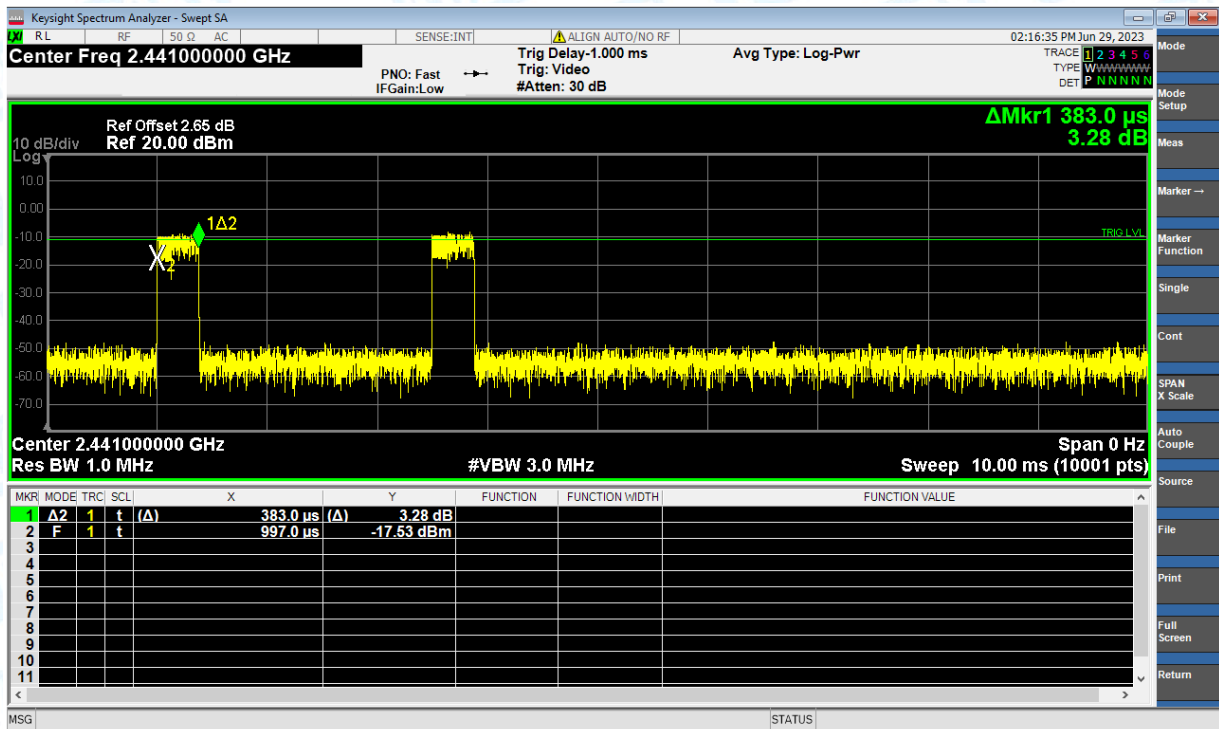
Dwell NVNT 1-DH3 2441MHz Ant1



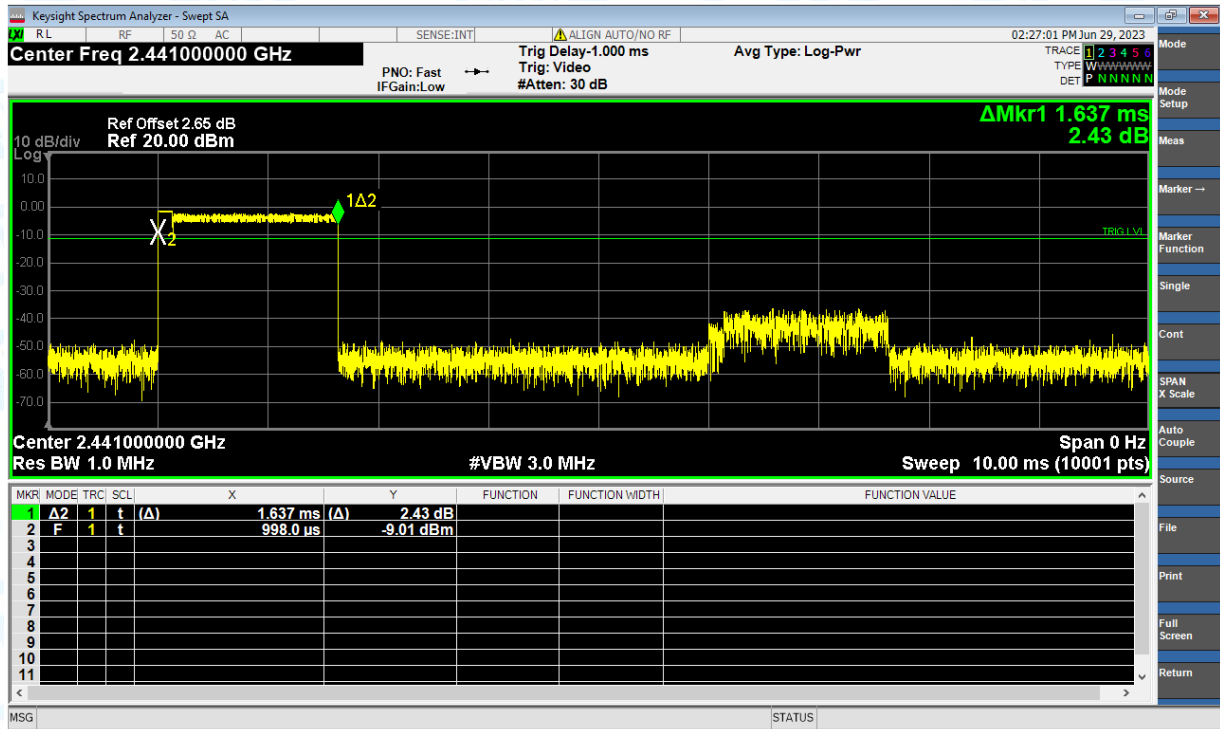
Dwell NVNT 1-DH5 2441MHz Ant1



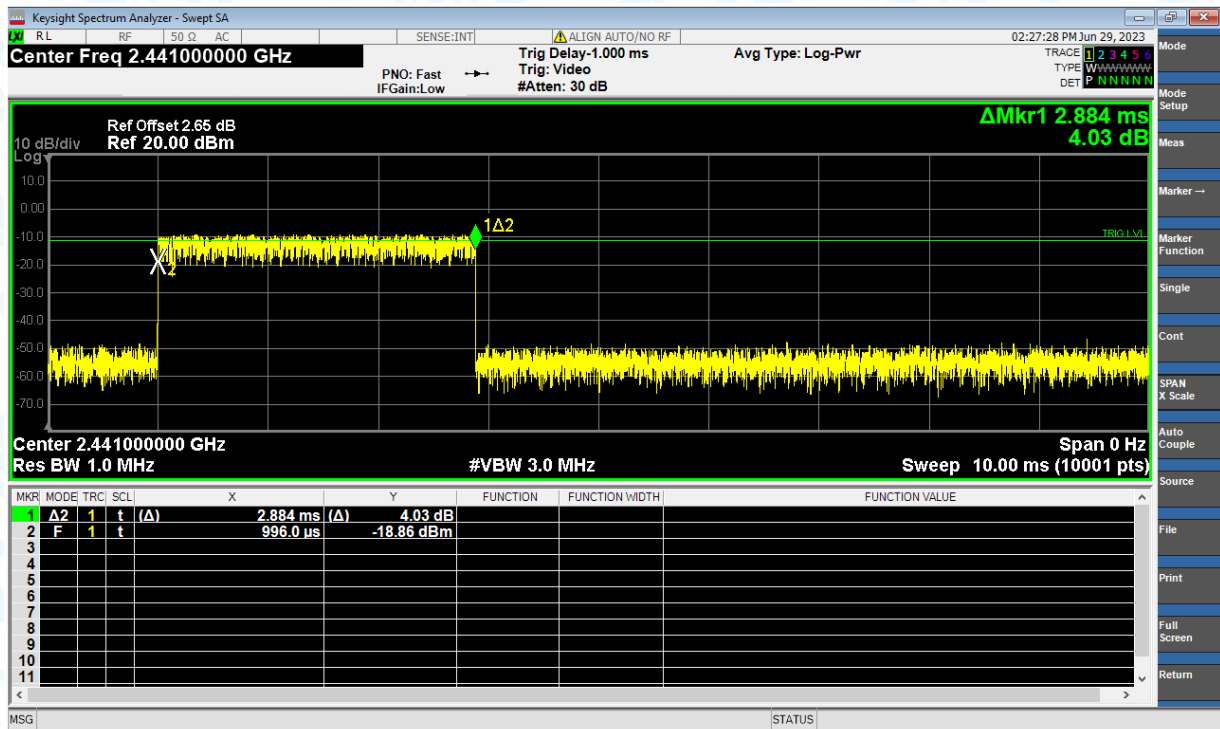
Dwell NVNT 2-DH1 2441MHz Ant1



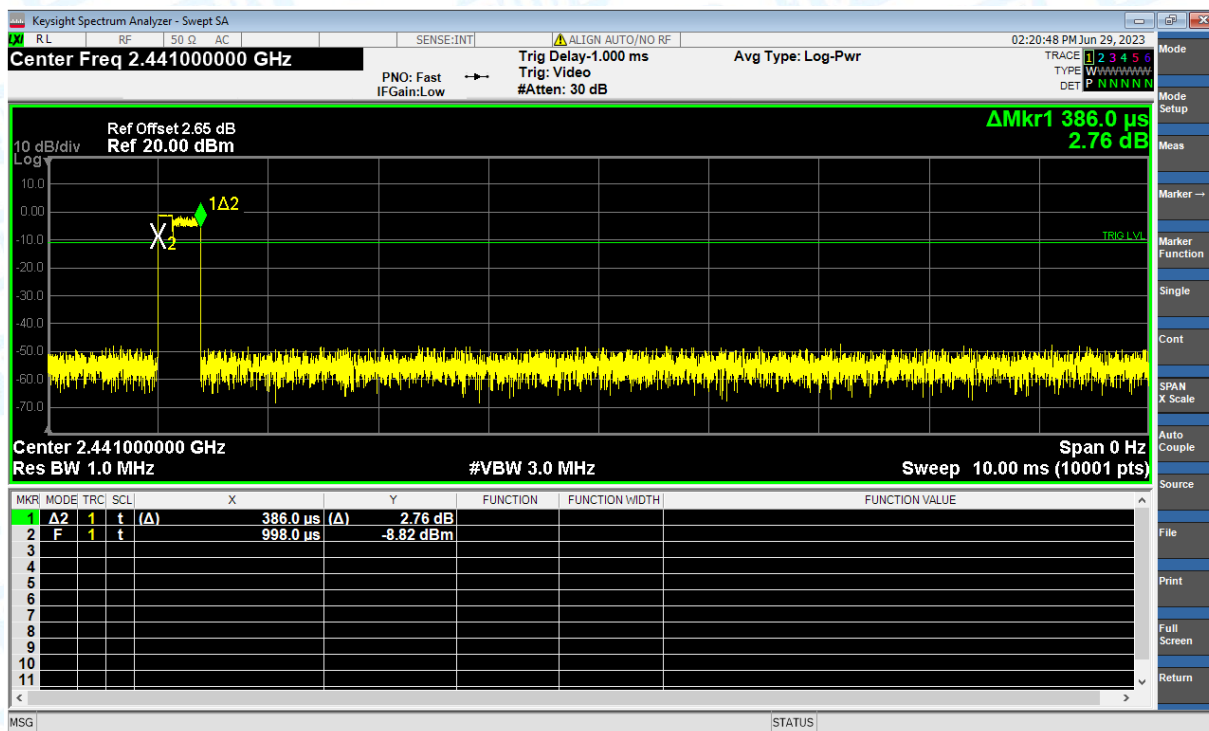
Dwell NVNT 2-DH3 2441MHz Ant1



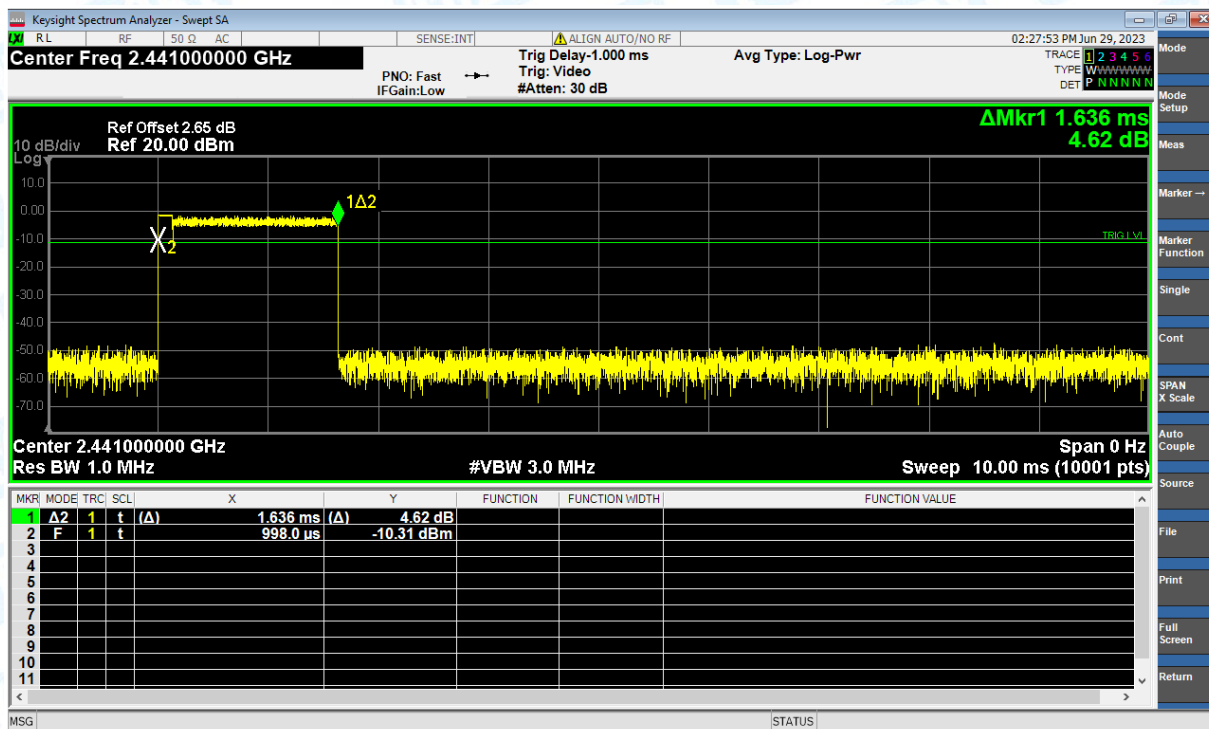
Dwell NVNT 2-DH5 2441MHz Ant1

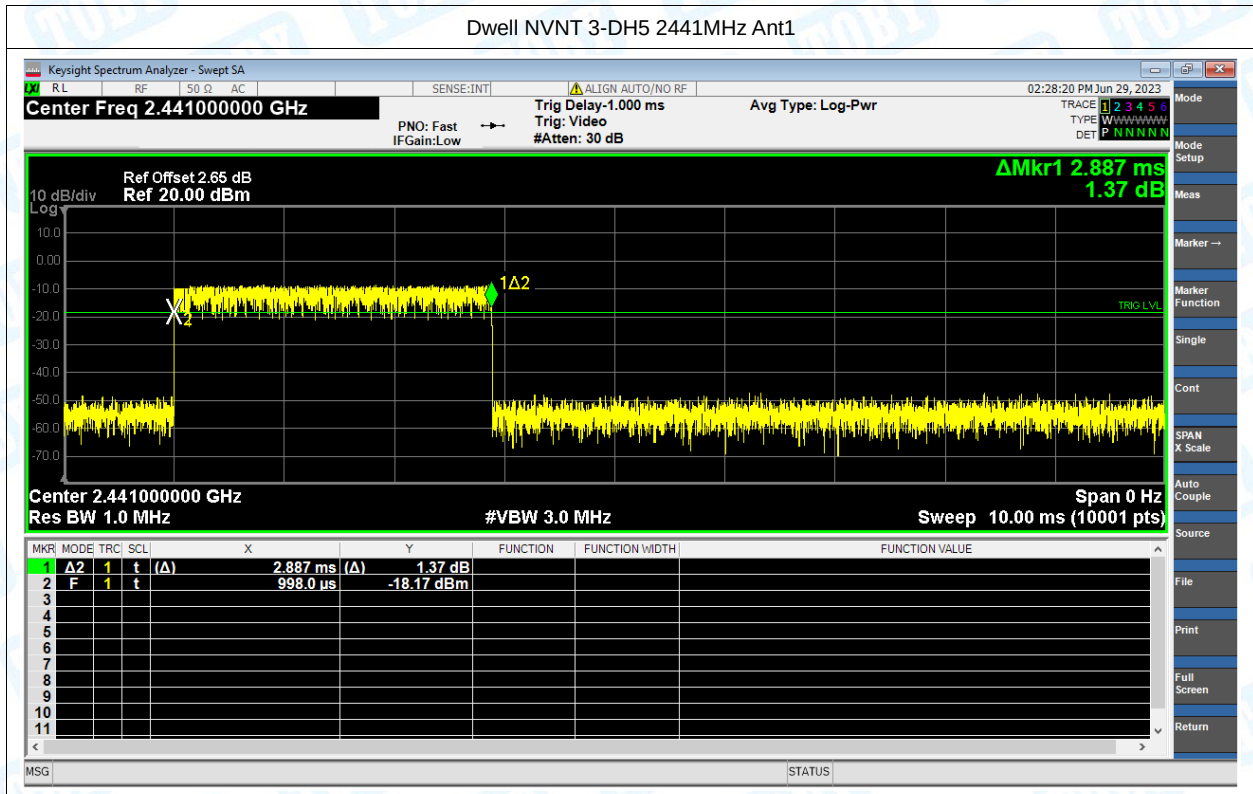


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





-----END OF THE REPORT-----