

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

General Description of EUT	
Product Name:	Tablet
Test Model:	Pad
Sample ID:	202307-0111-3-2#
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-202307-0111-41 The report only show the worst case data.	

Contents

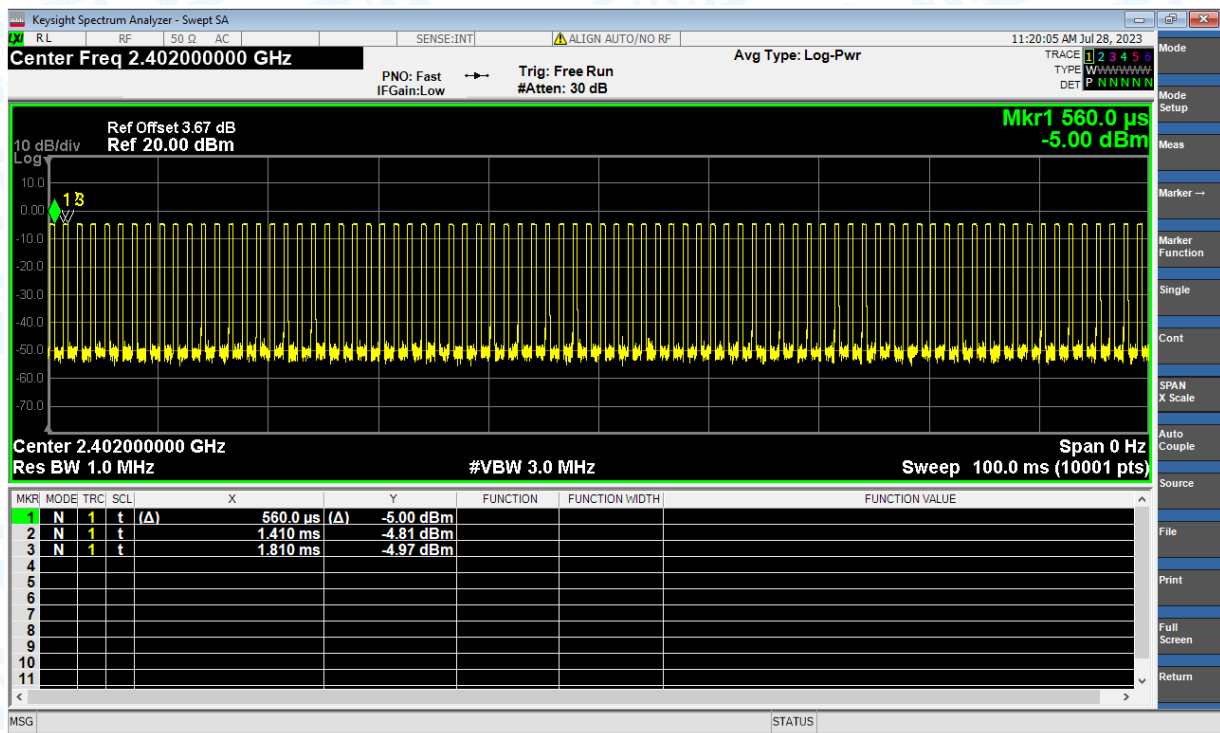
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1. Duty Cycle

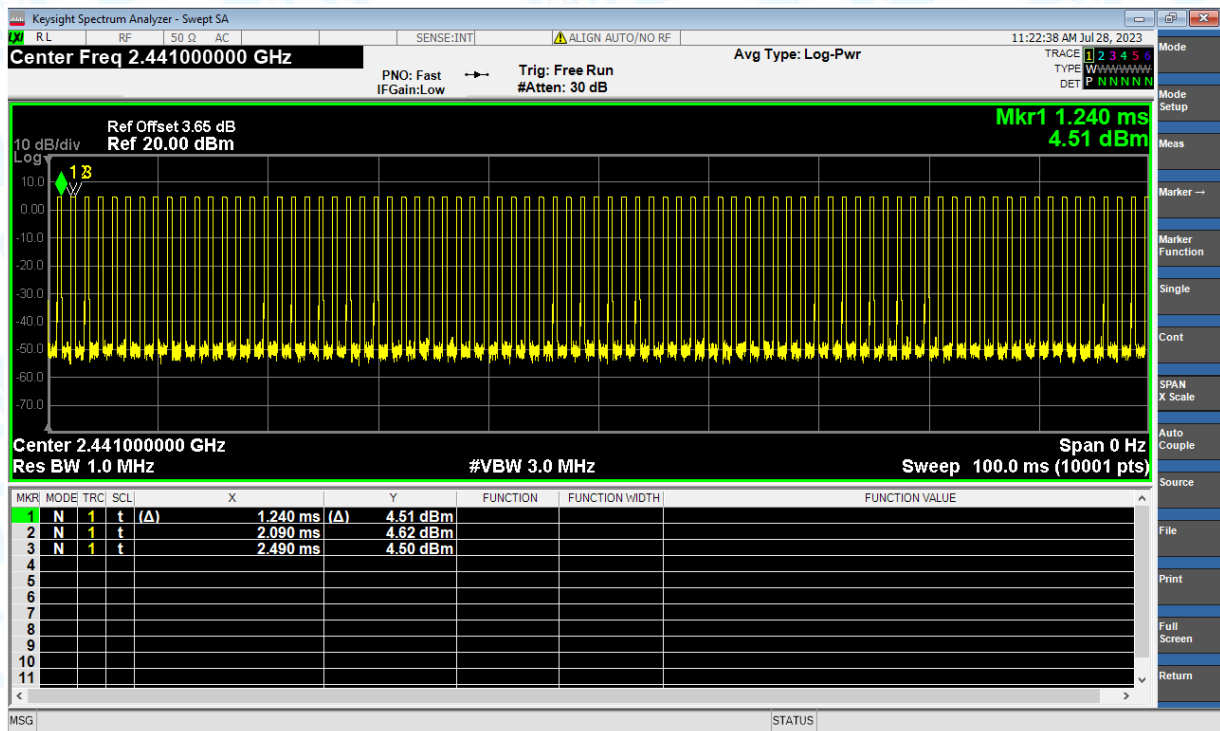
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	32	4.95	2.5
NVNT	1-DH1	2441	Ant1	32	4.95	2.5
NVNT	1-DH1	2480	Ant1	32.8	4.84	2.44
NVNT	2-DH1	2402	Ant1	32	4.95	2.5
NVNT	2-DH1	2441	Ant1	32	4.95	2.5
NVNT	2-DH1	2480	Ant1	32	4.95	2.5
NVNT	3-DH1	2402	Ant1	32	4.95	2.5
NVNT	3-DH1	2441	Ant1	32	4.95	2.5
NVNT	3-DH1	2480	Ant1	32	4.95	2.5

Test Graphs

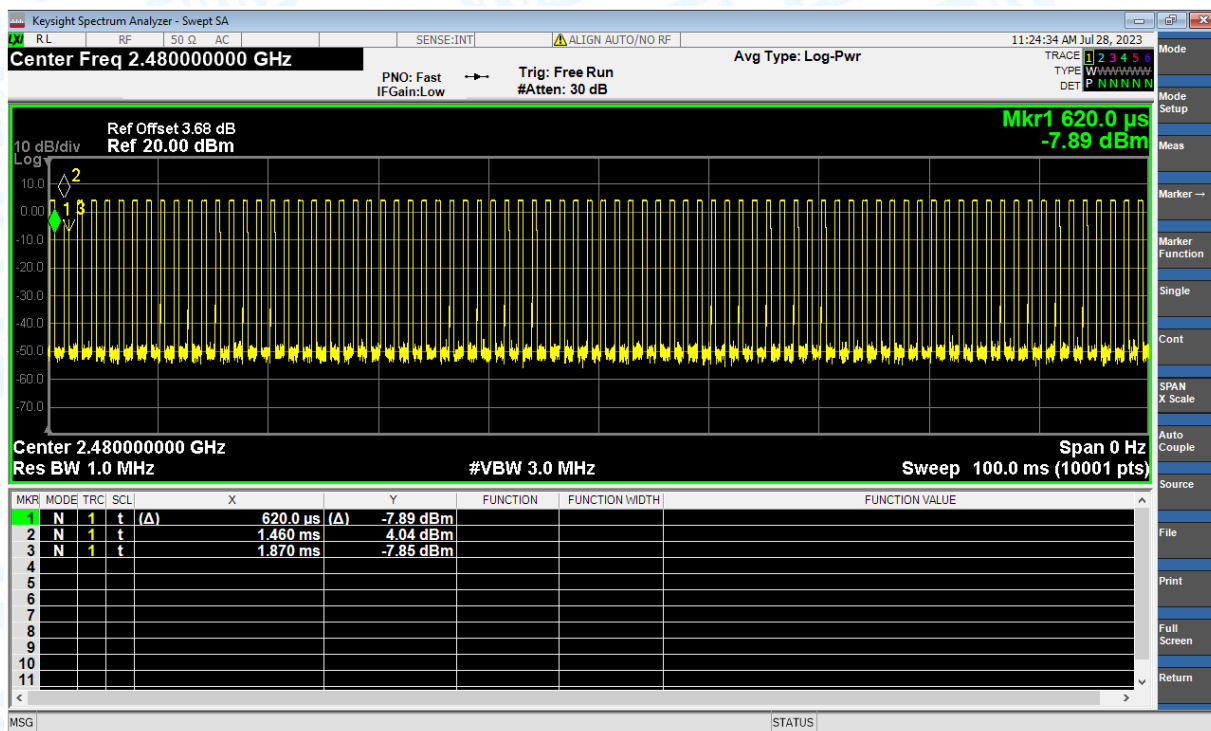
Duty Cycle NVNT 1-DH1 2402MHz Ant1



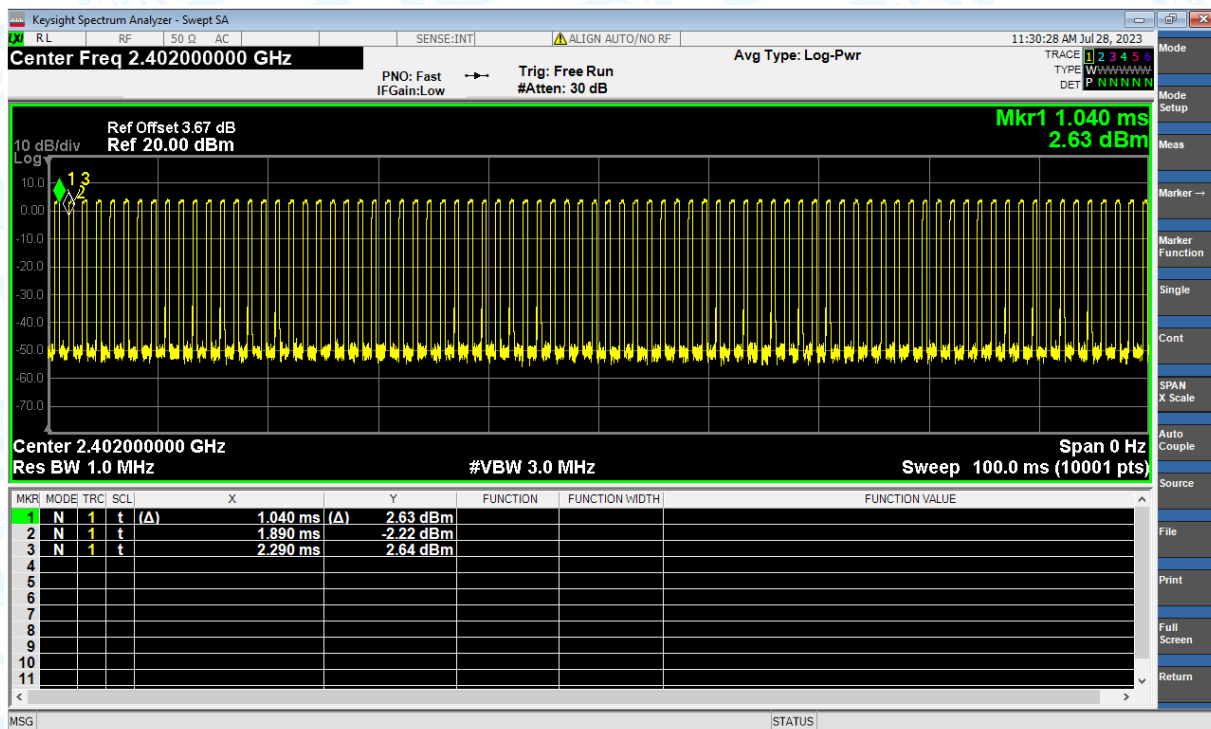
Duty Cycle NVNT 1-DH1 2441MHz Ant1



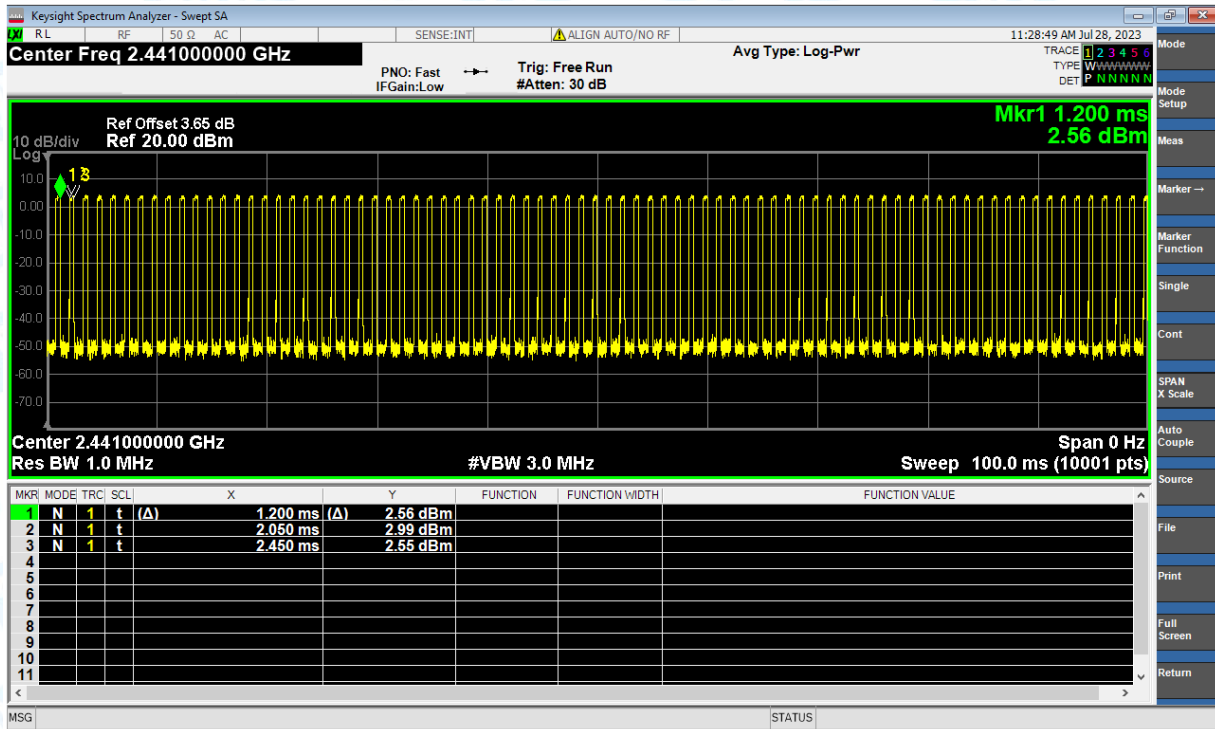
Duty Cycle NVNT 1-DH1 2480MHz Ant1



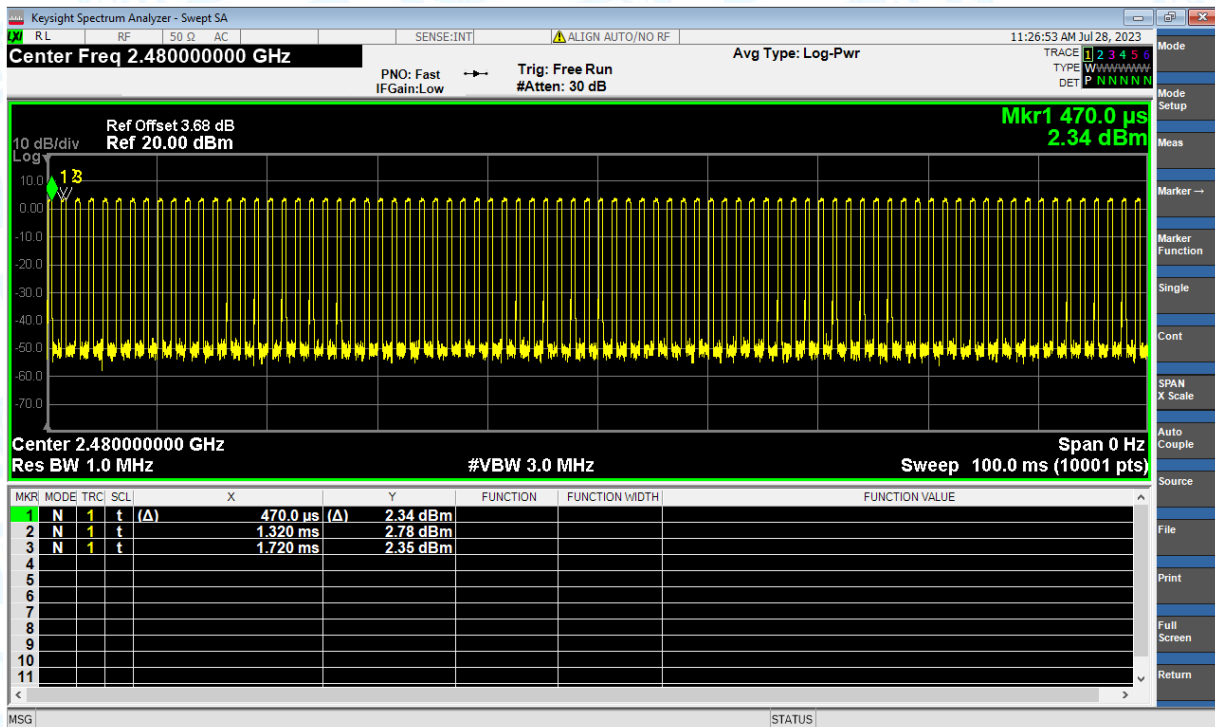
Duty Cycle NVNT 2-DH1 2402MHz Ant1



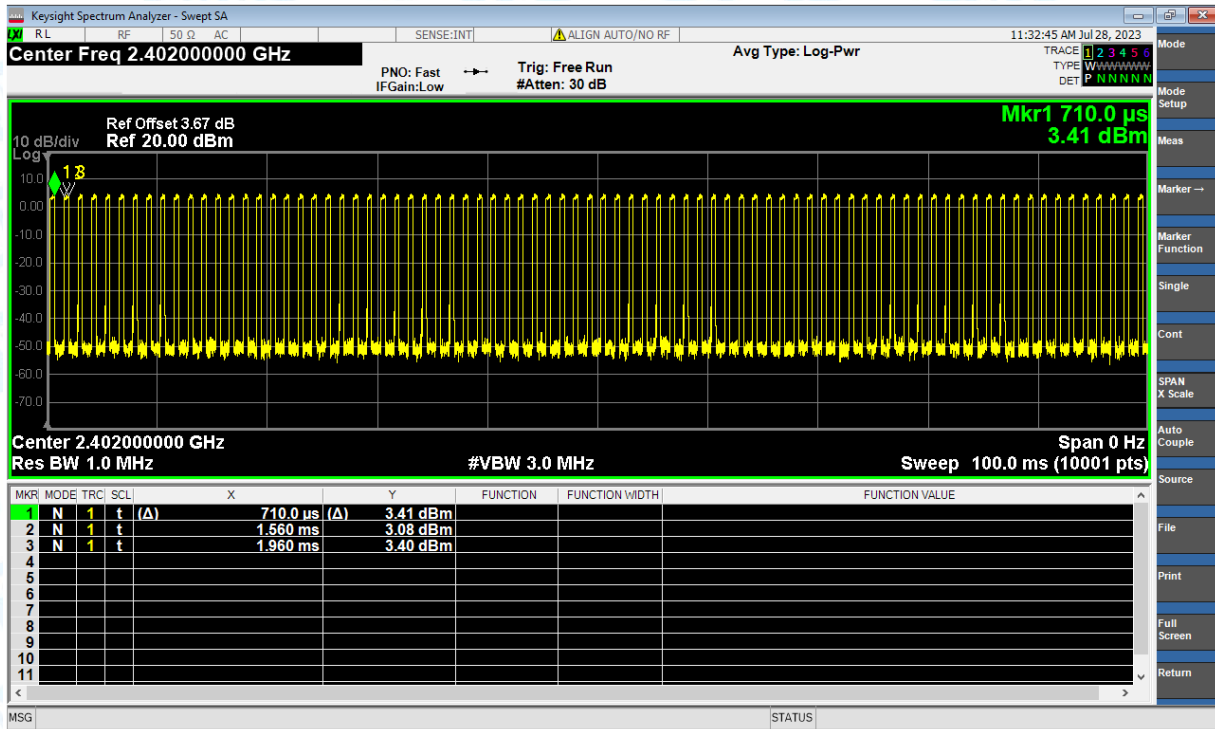
Duty Cycle NVNT 2-DH1 2441MHz Ant1



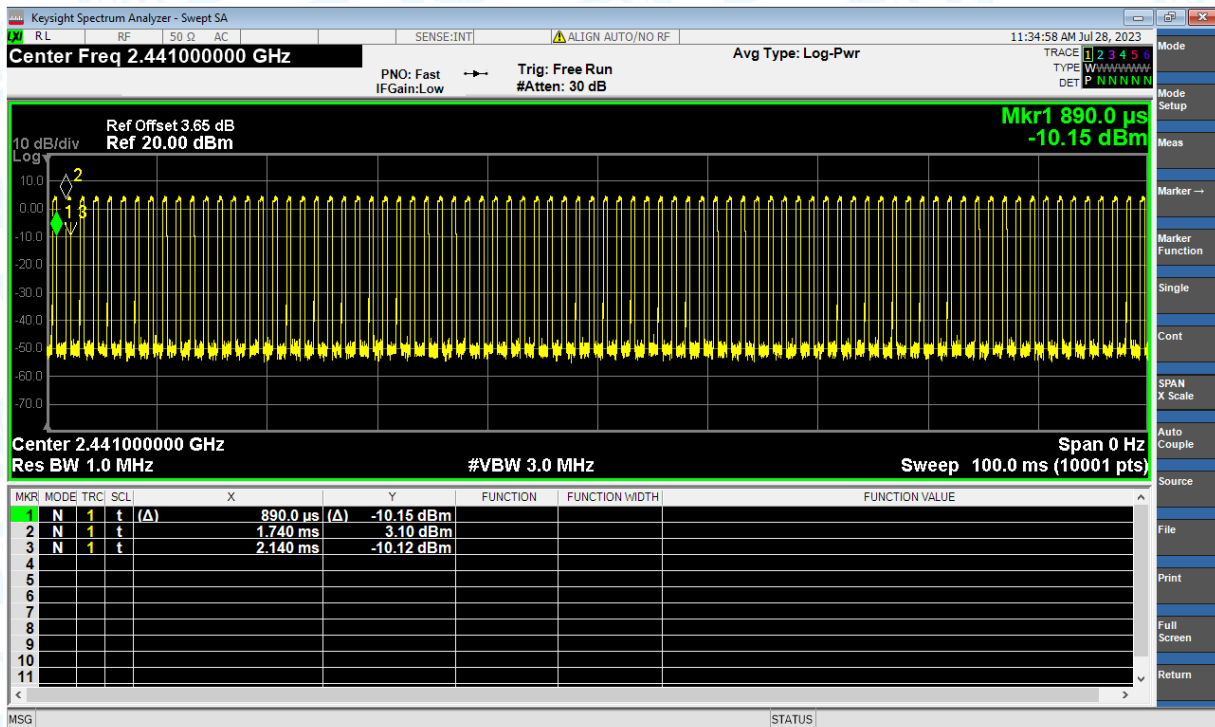
Duty Cycle NVNT 2-DH1 2480MHz Ant1

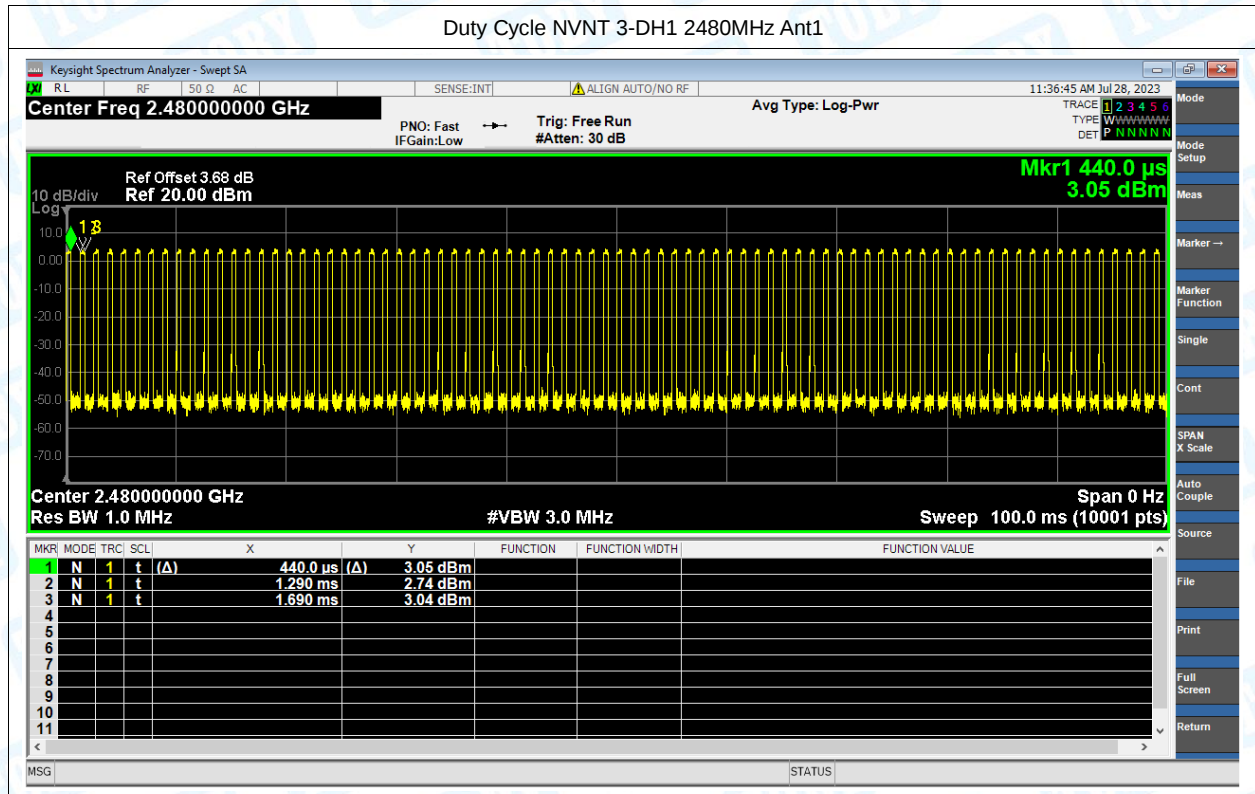


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



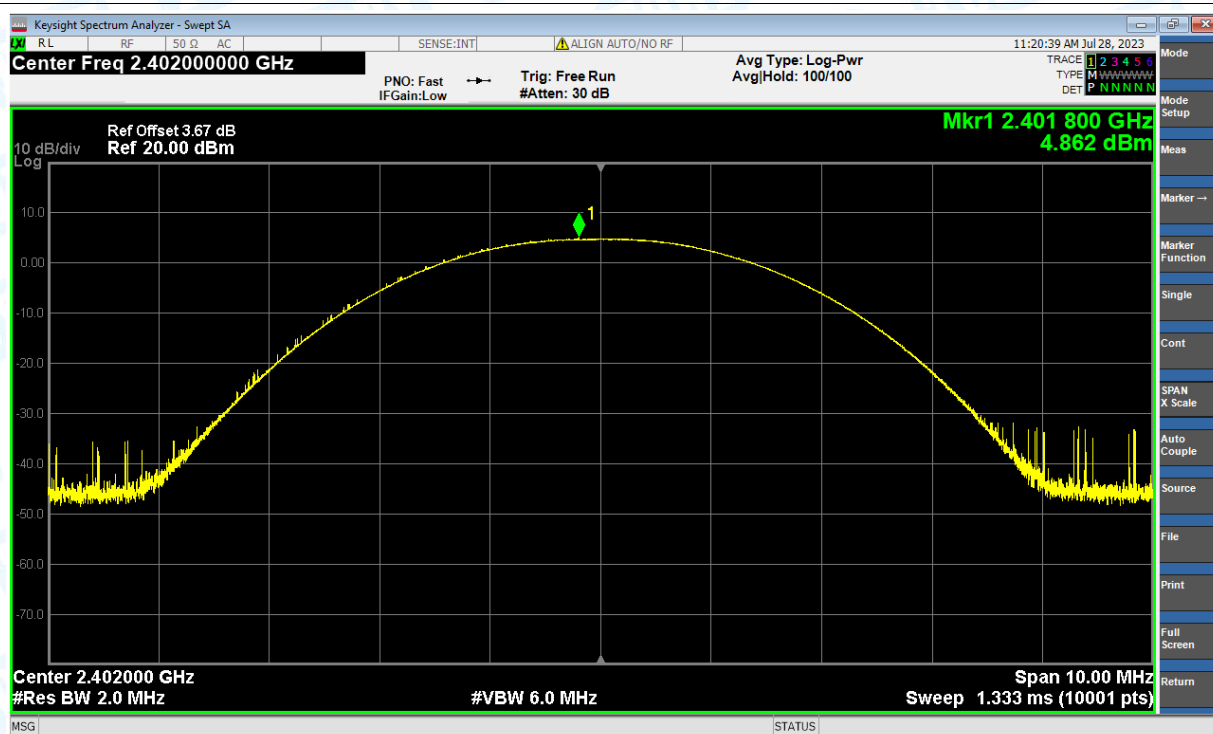


2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	4.862	21	Pass
NVNT	1-DH1	2441	Ant1	5.101	21	Pass
NVNT	1-DH1	2480	Ant1	4.472	21	Pass
NVNT	2-DH1	2402	Ant1	4.793	21	Pass
NVNT	2-DH1	2441	Ant1	4.763	21	Pass
NVNT	2-DH1	2480	Ant1	4.512	21	Pass
NVNT	3-DH1	2402	Ant1	5.044	21	Pass
NVNT	3-DH1	2441	Ant1	5.117	21	Pass
NVNT	3-DH1	2480	Ant1	4.8	21	Pass

Test Graphs

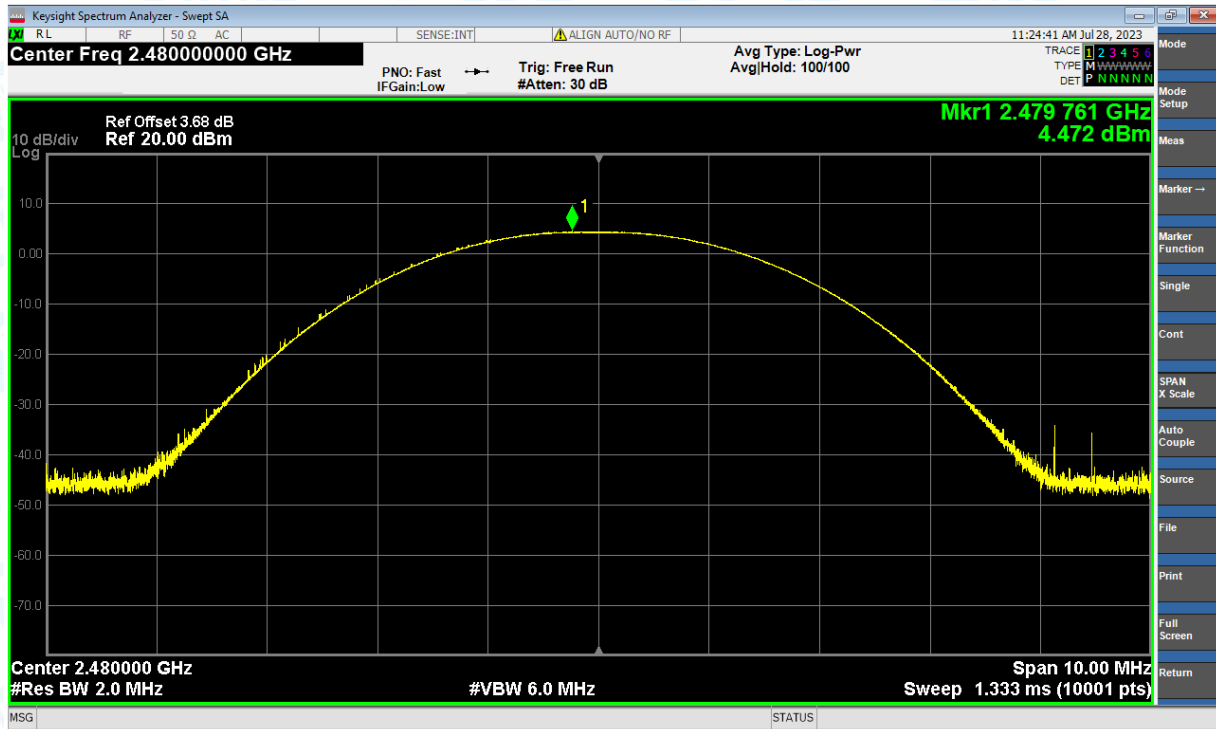
Power NVNT 1-DH1 2402MHz Ant1



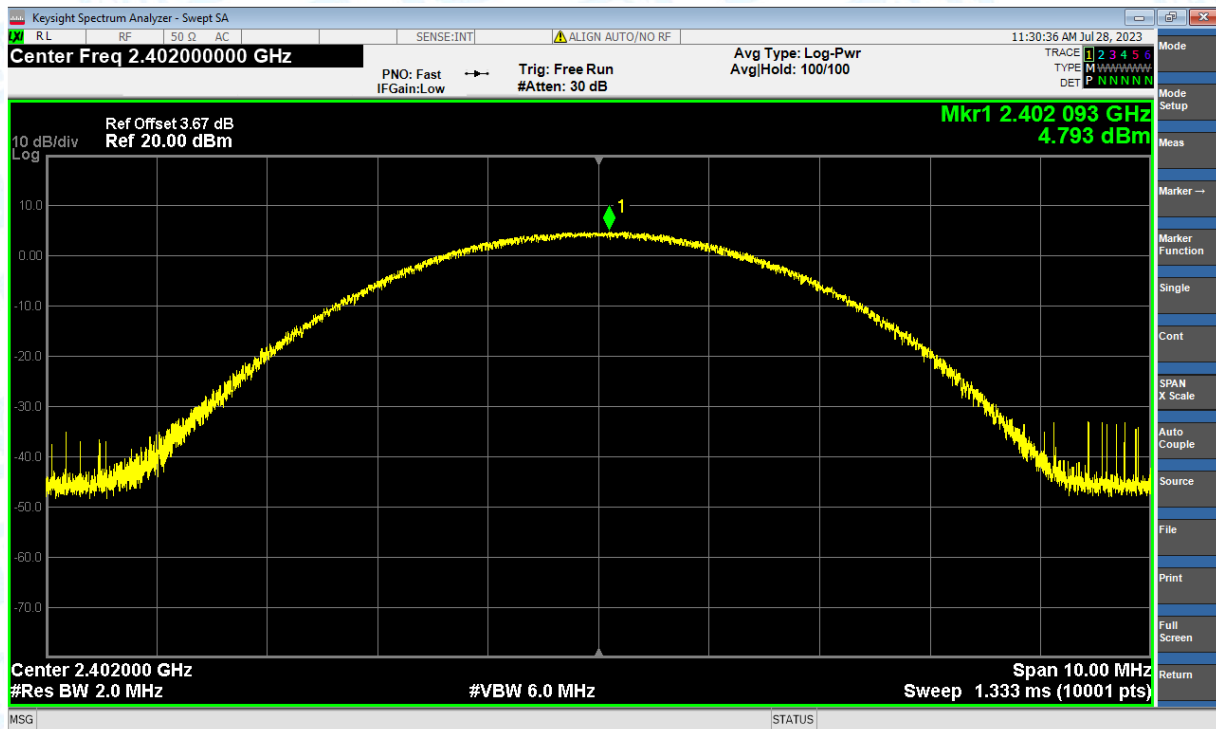
Power NVNT 1-DH1 2441MHz Ant1



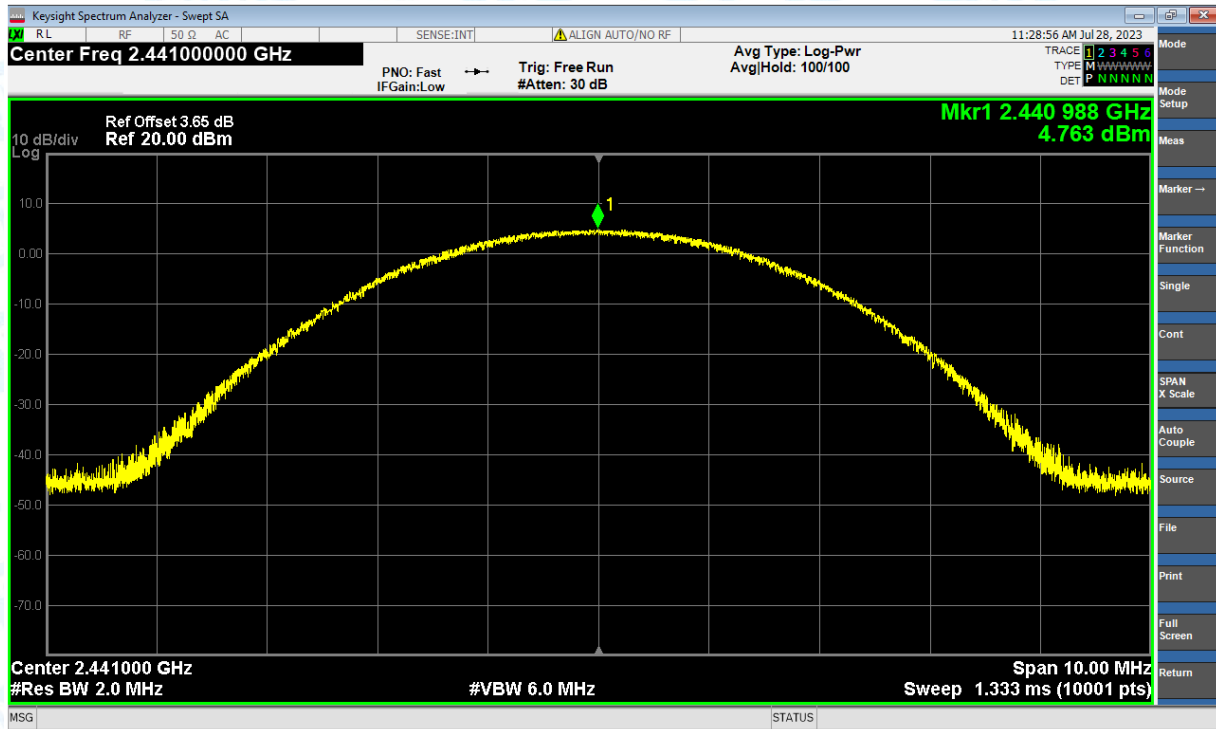
Power NVNT 1-DH1 2480MHz Ant1



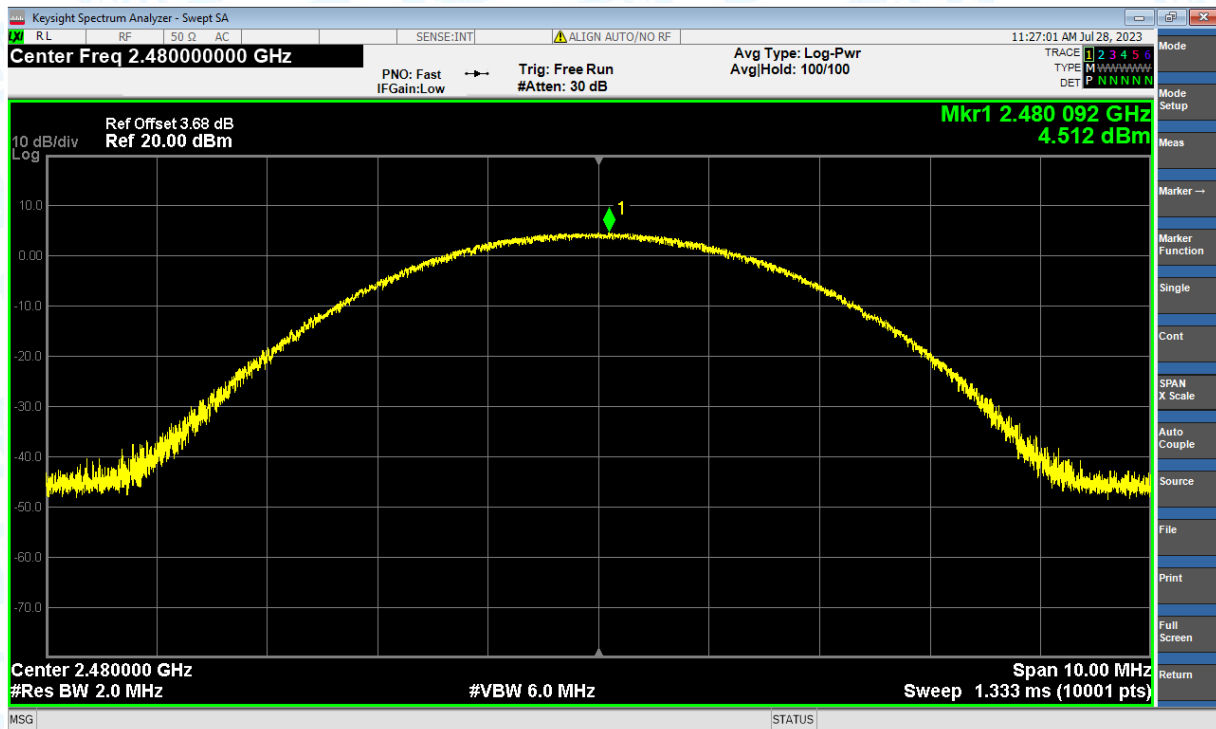
Power NVNT 2-DH1 2402MHz Ant1



Power NVNT 2-DH1 2441MHz Ant1



Power NVNT 2-DH1 2480MHz Ant1

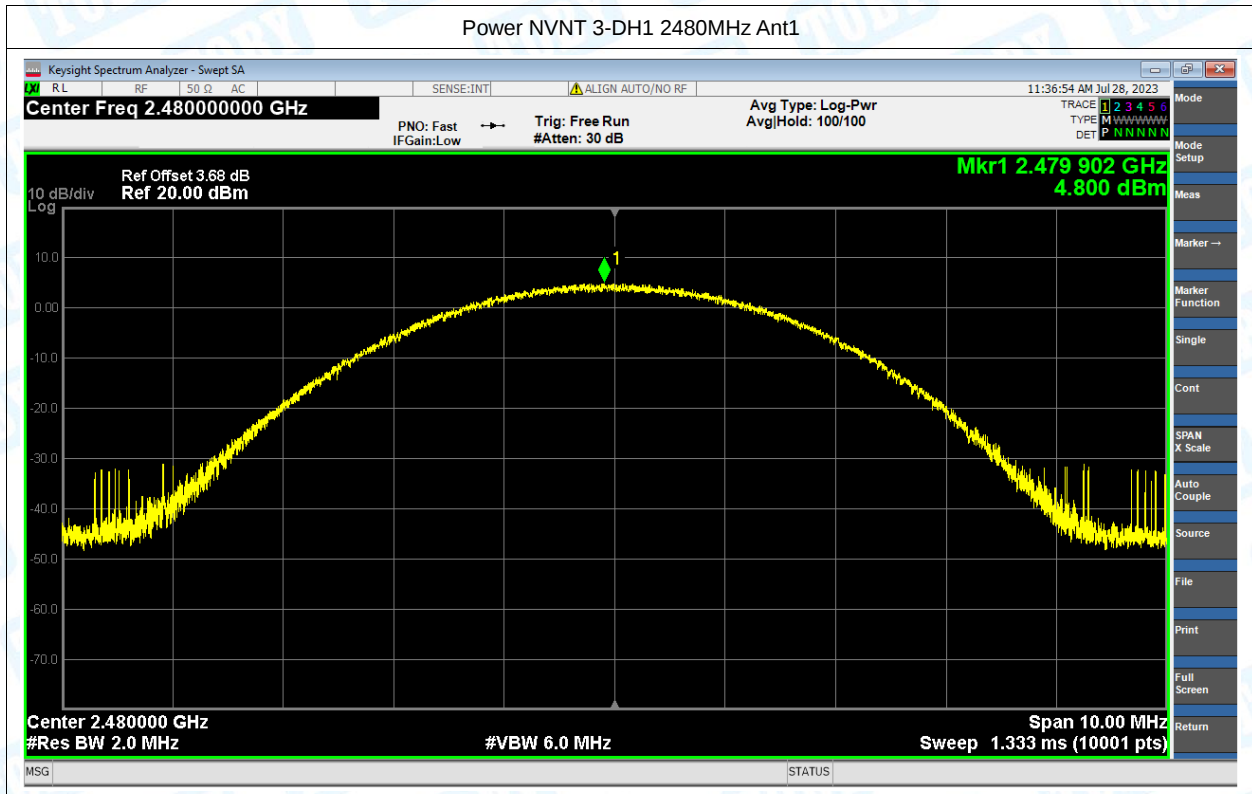


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



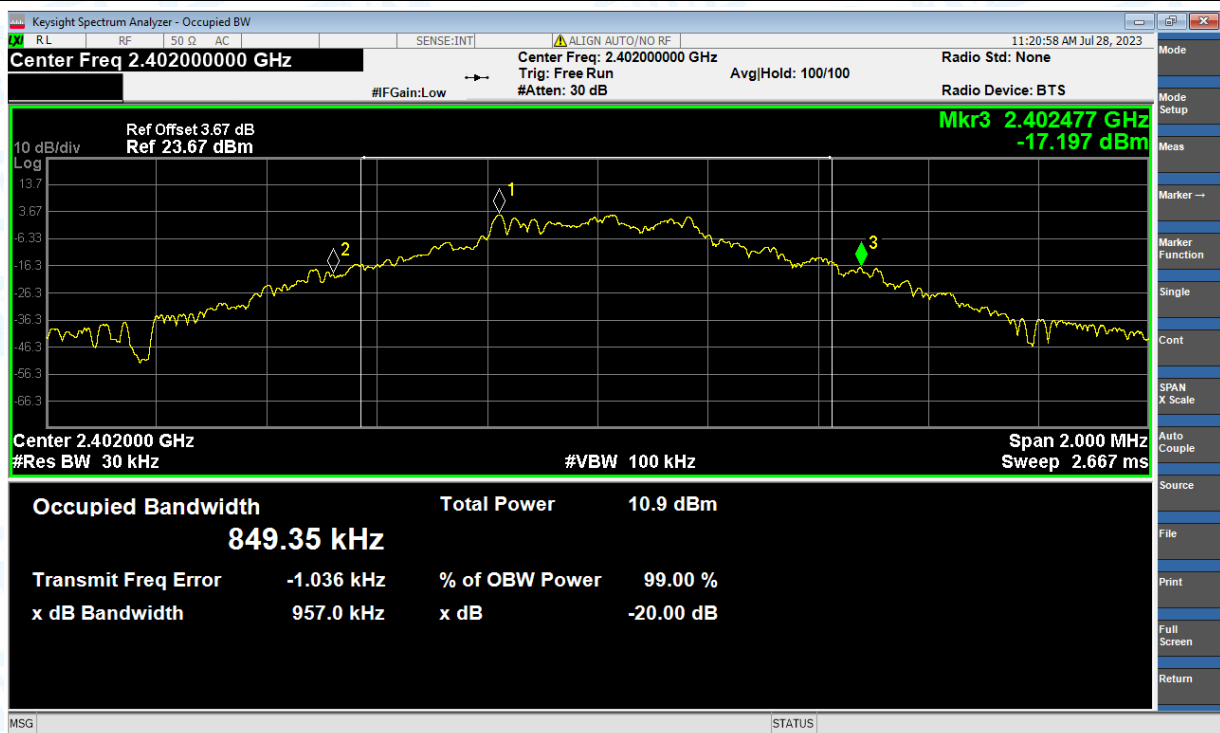


3. -20dB Bandwidth

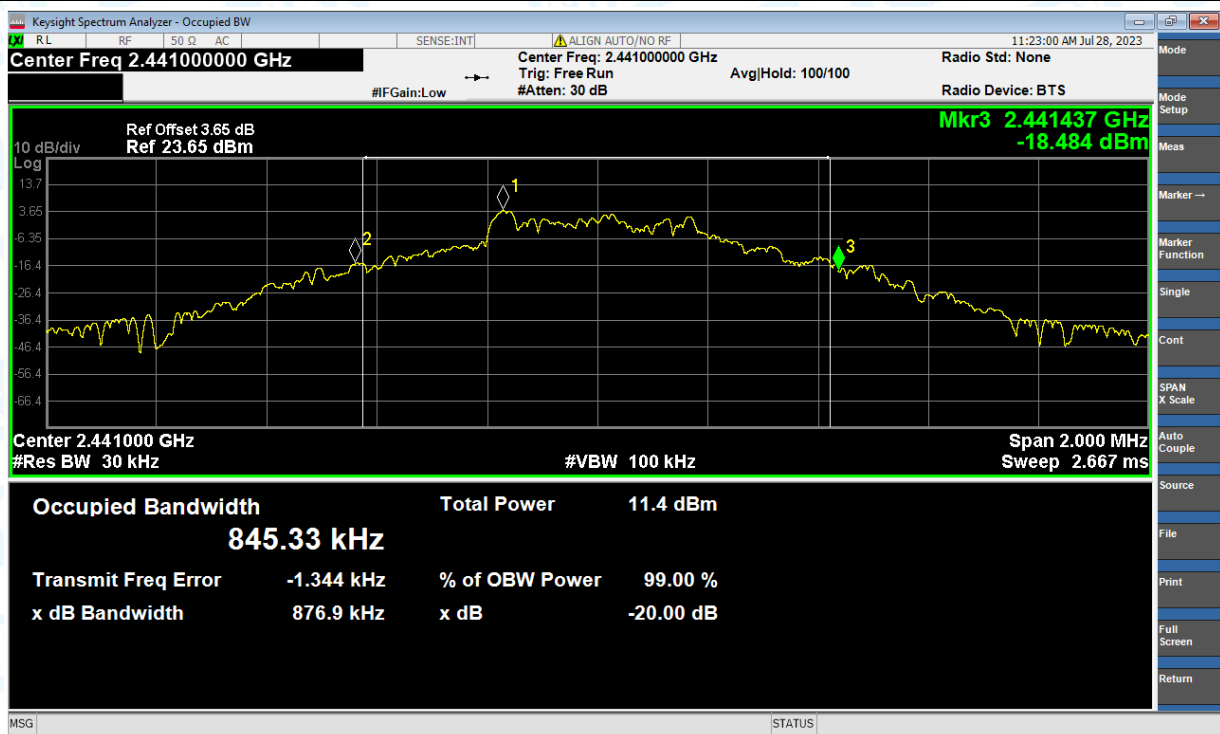
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.96	0	Pass
NVNT	1-DH1	2441	Ant1	0.88	0	Pass
NVNT	1-DH1	2480	Ant1	0.87	0	Pass
NVNT	2-DH1	2402	Ant1	1.26	0	Pass
NVNT	2-DH1	2441	Ant1	1.25	0	Pass
NVNT	2-DH1	2480	Ant1	1.26	0	Pass
NVNT	3-DH1	2402	Ant1	1.25	0	Pass
NVNT	3-DH1	2441	Ant1	1.25	0	Pass
NVNT	3-DH1	2480	Ant1	1.25	0	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



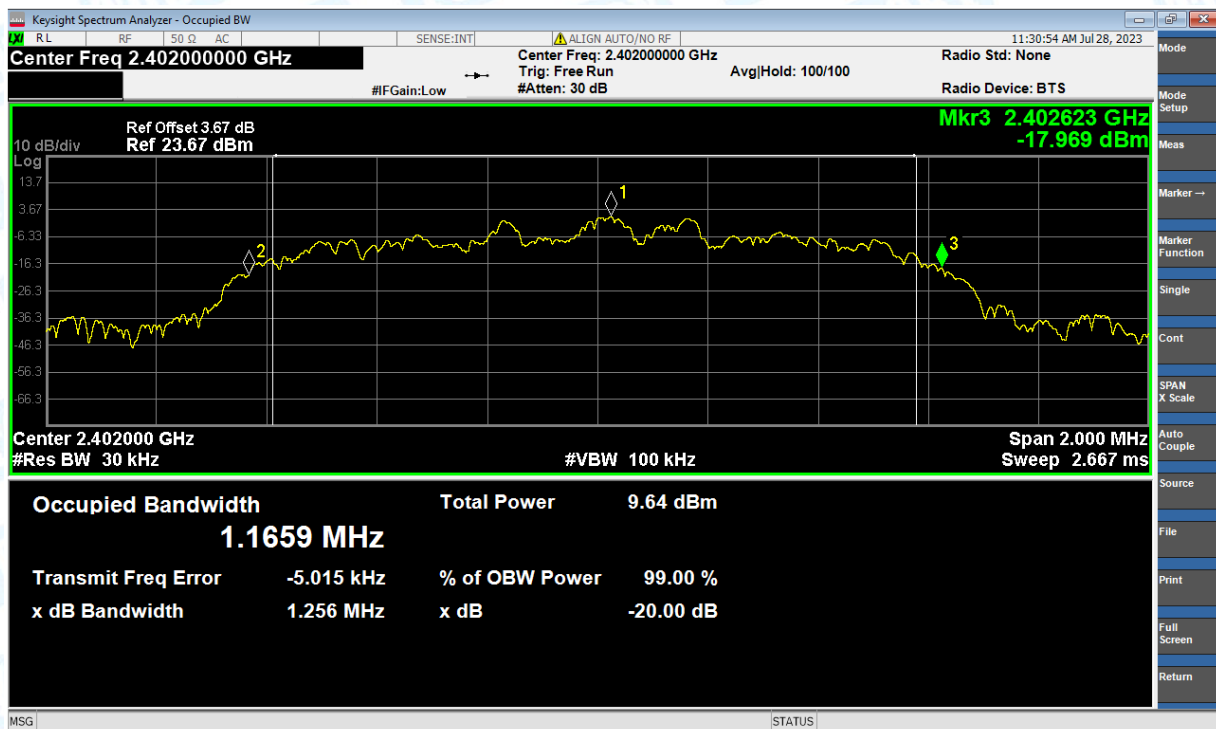
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



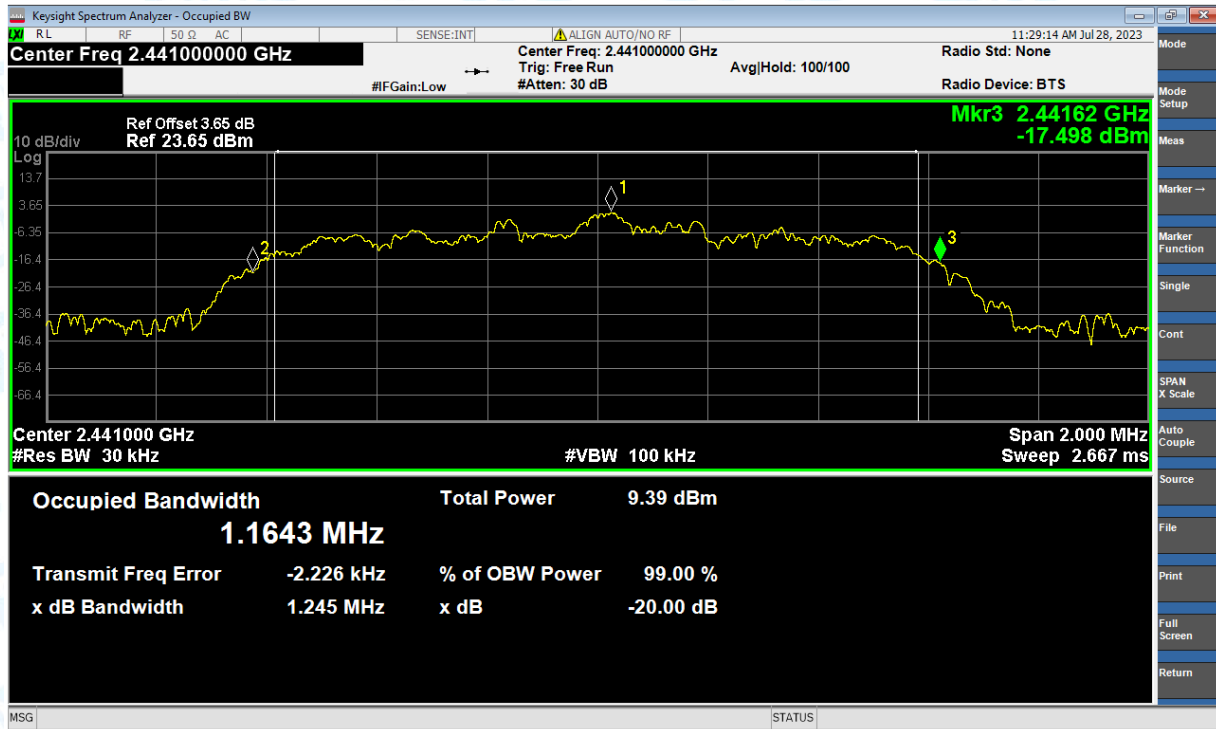
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



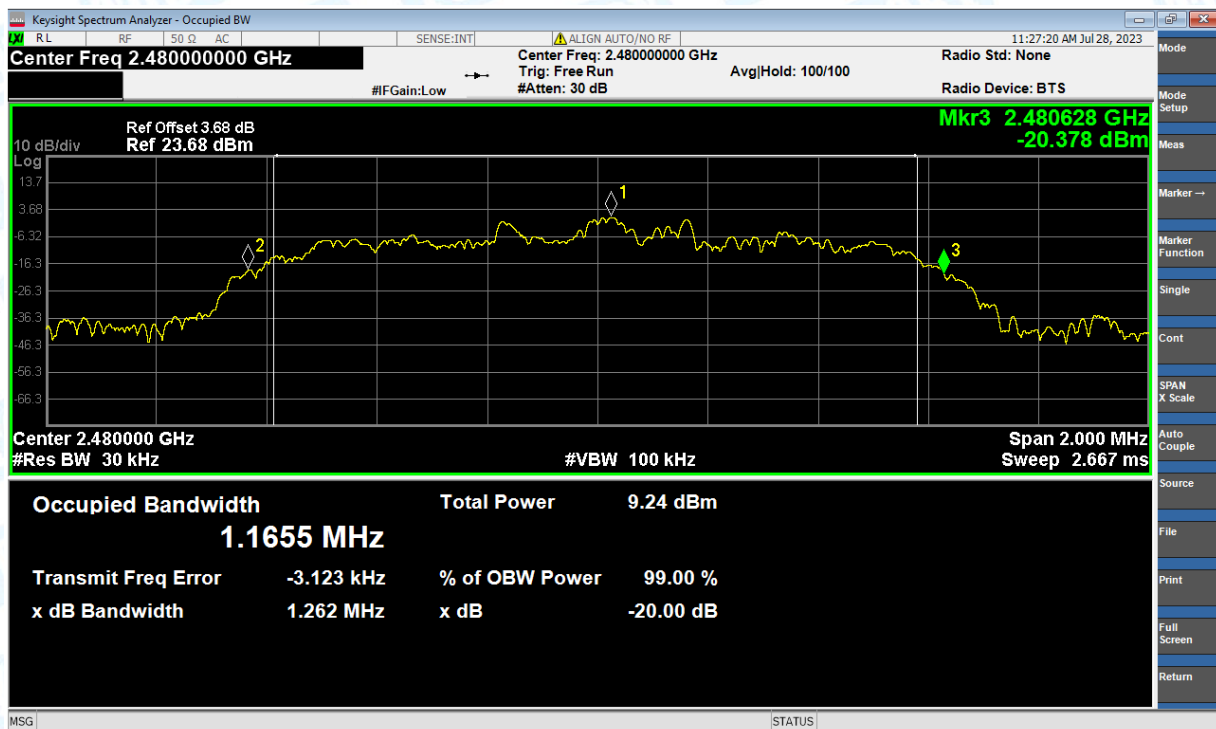
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



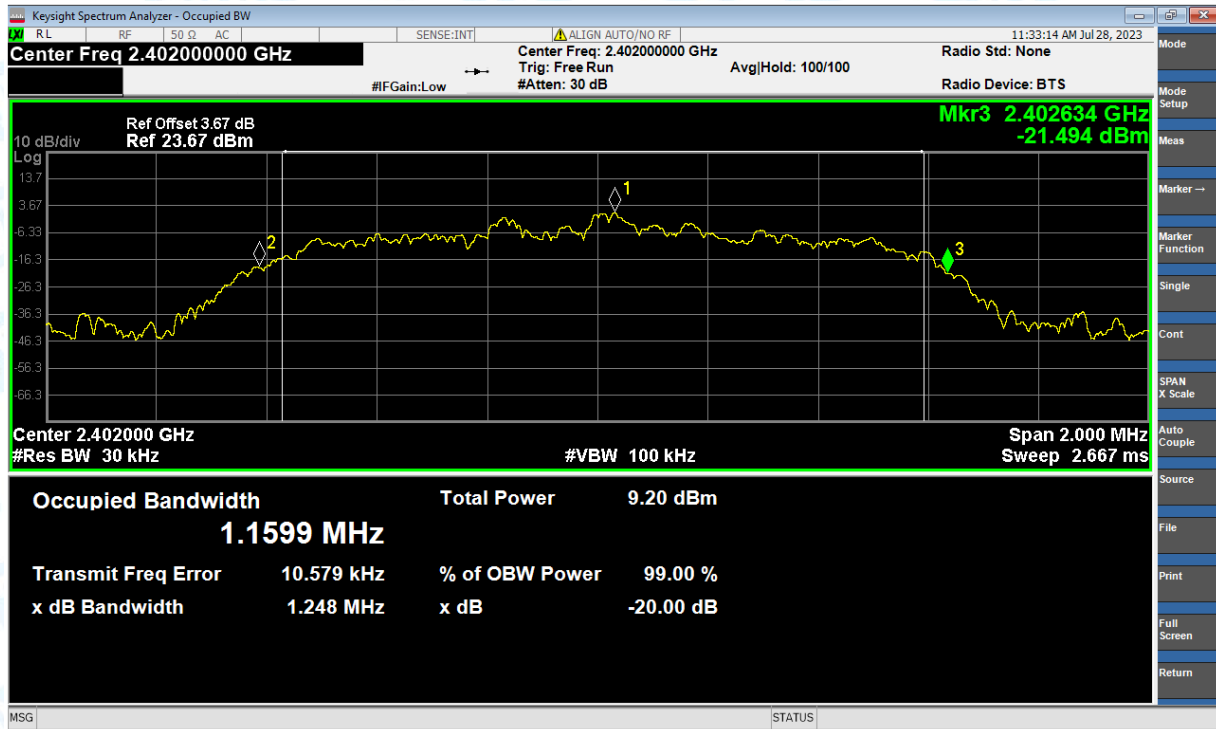
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



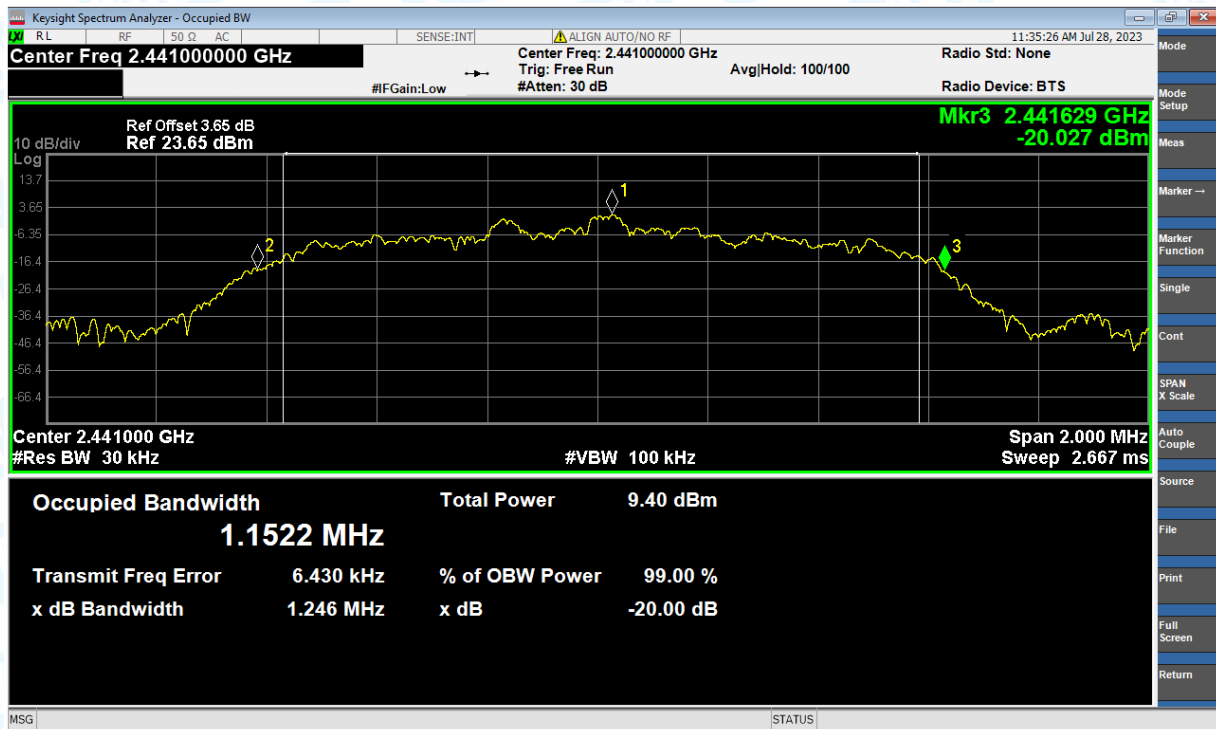
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

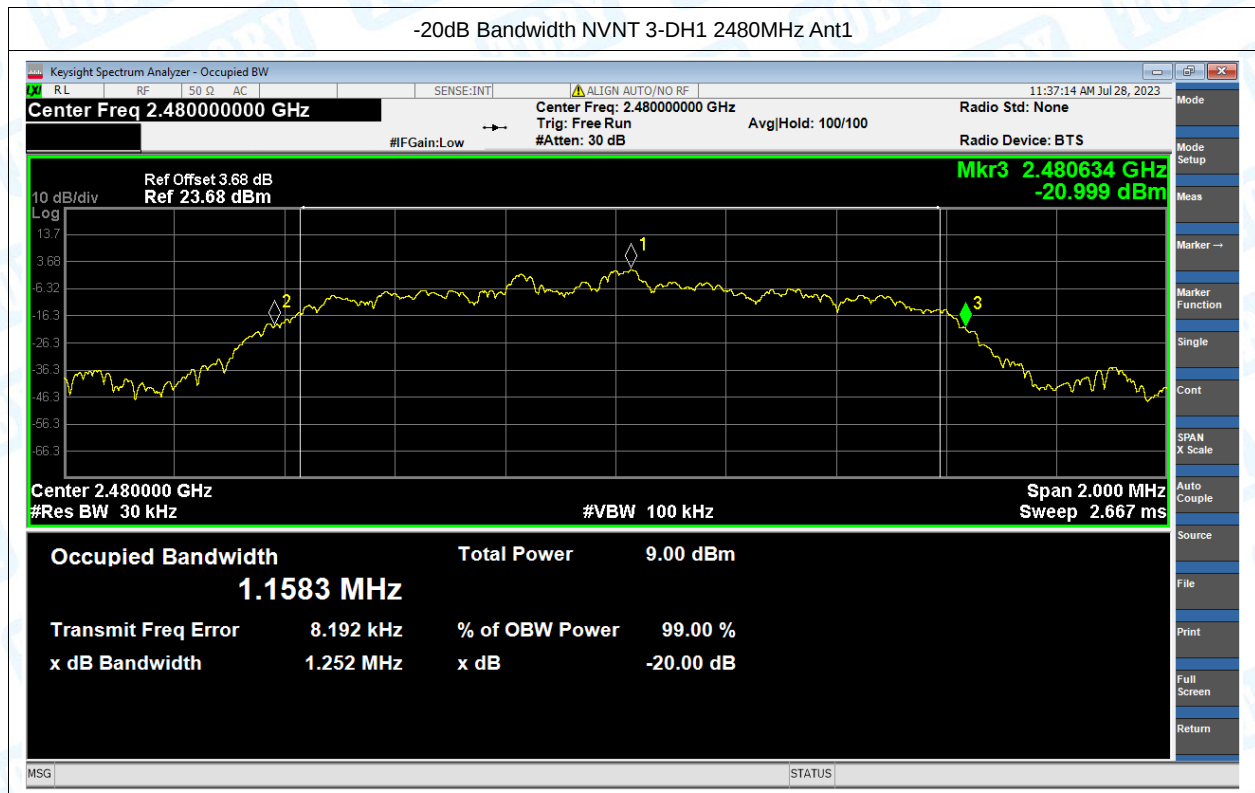


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1





4. Occupied Channel Bandwidth

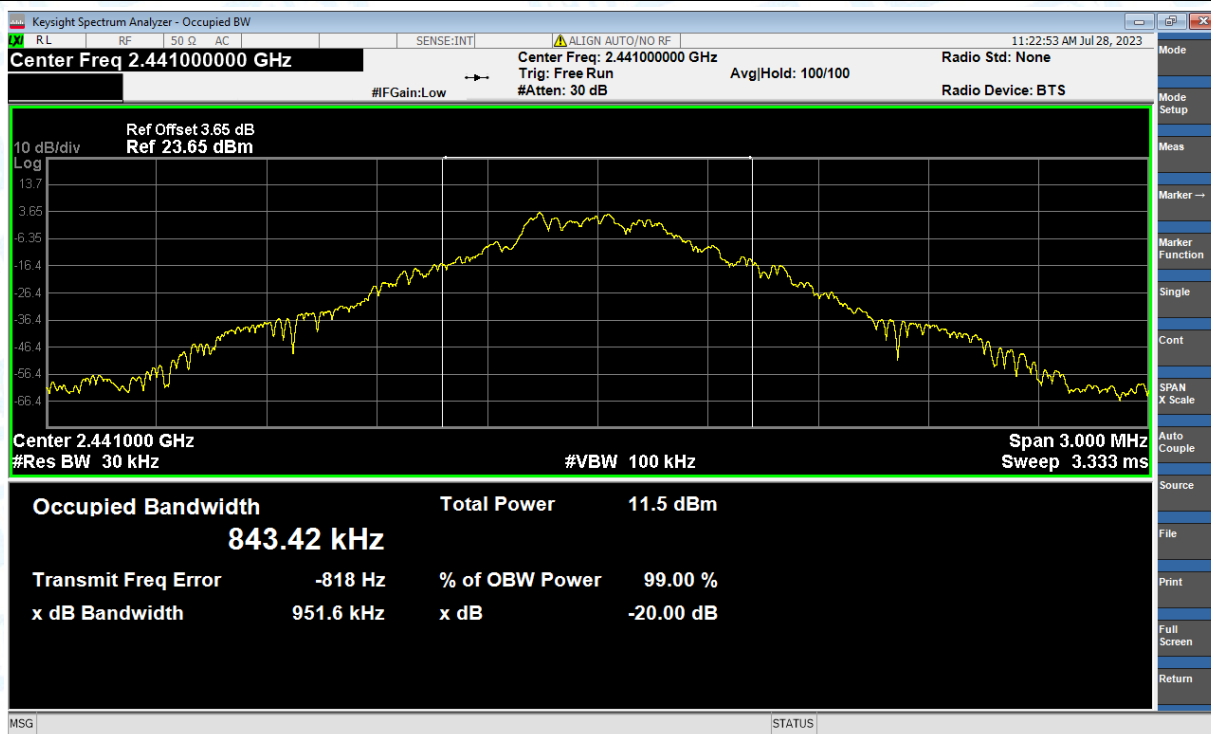
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.841
NVNT	1-DH1	2441	Ant1	0.843
NVNT	1-DH1	2480	Ant1	0.843
NVNT	2-DH1	2402	Ant1	1.163
NVNT	2-DH1	2441	Ant1	1.168
NVNT	2-DH1	2480	Ant1	1.154
NVNT	3-DH1	2402	Ant1	1.161
NVNT	3-DH1	2441	Ant1	1.156
NVNT	3-DH1	2480	Ant1	1.16

Test Graphs

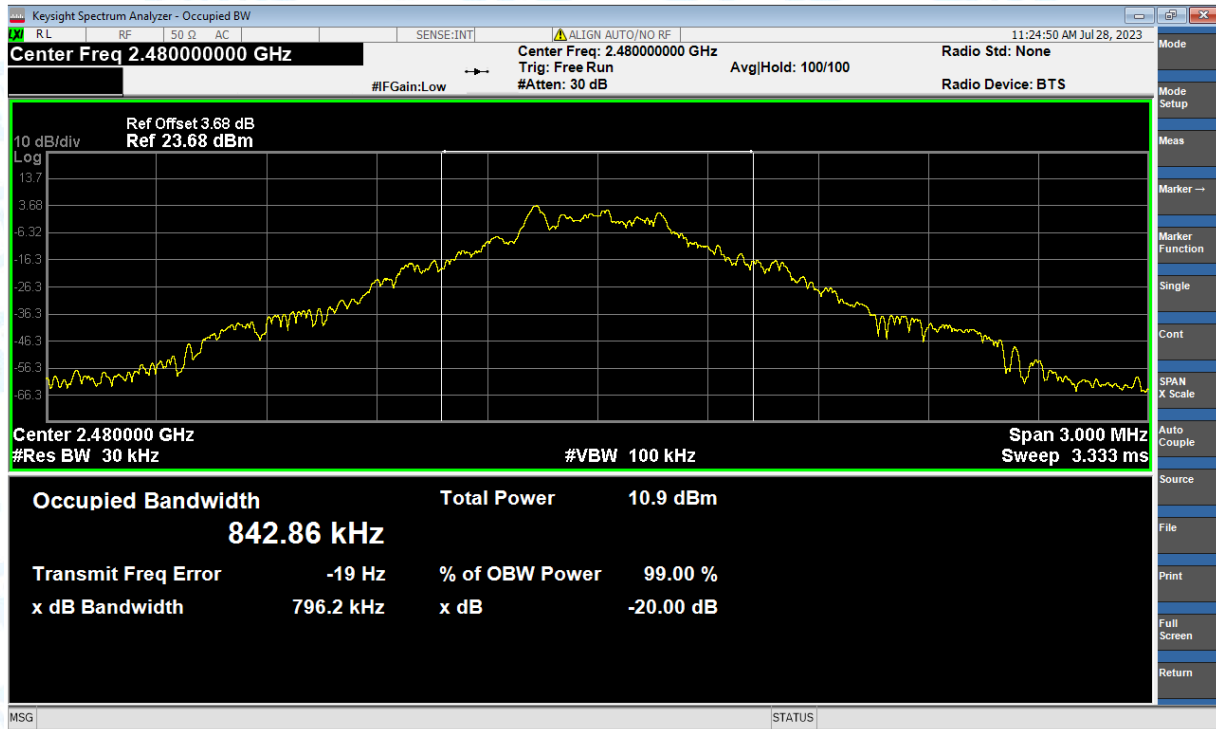
OBW NVNT 1-DH1 2402MHz Ant1



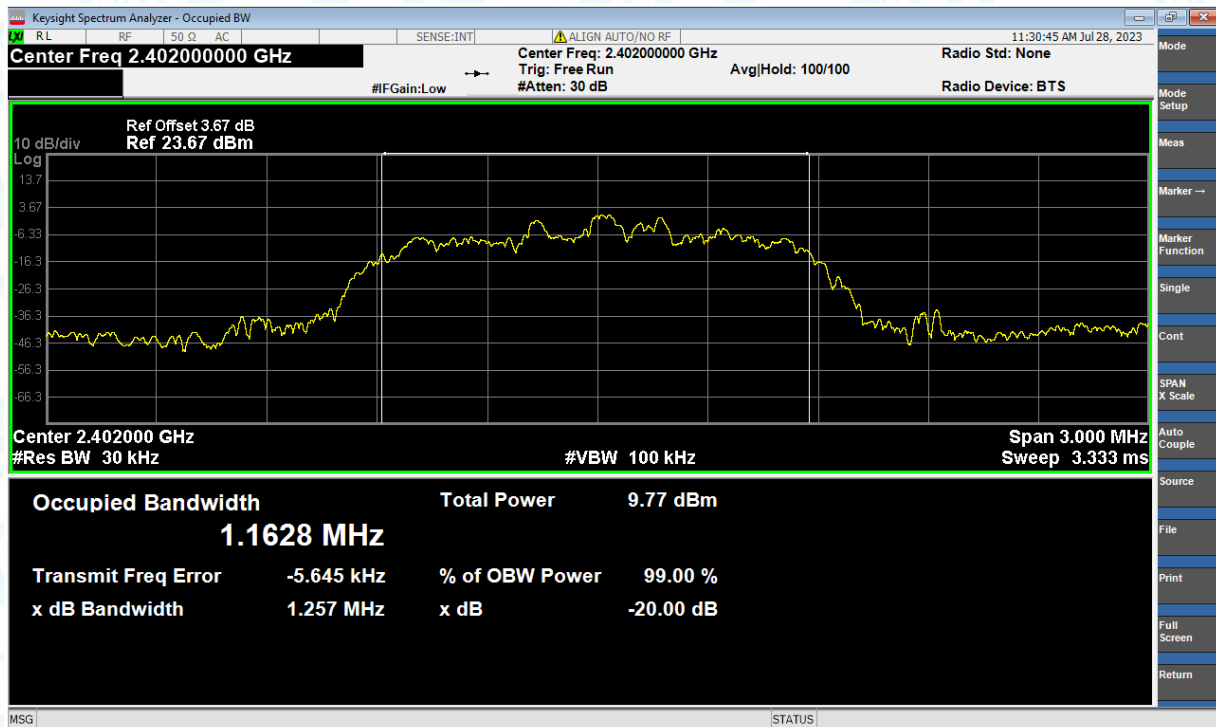
OBW NVNT 1-DH1 2441MHz Ant1



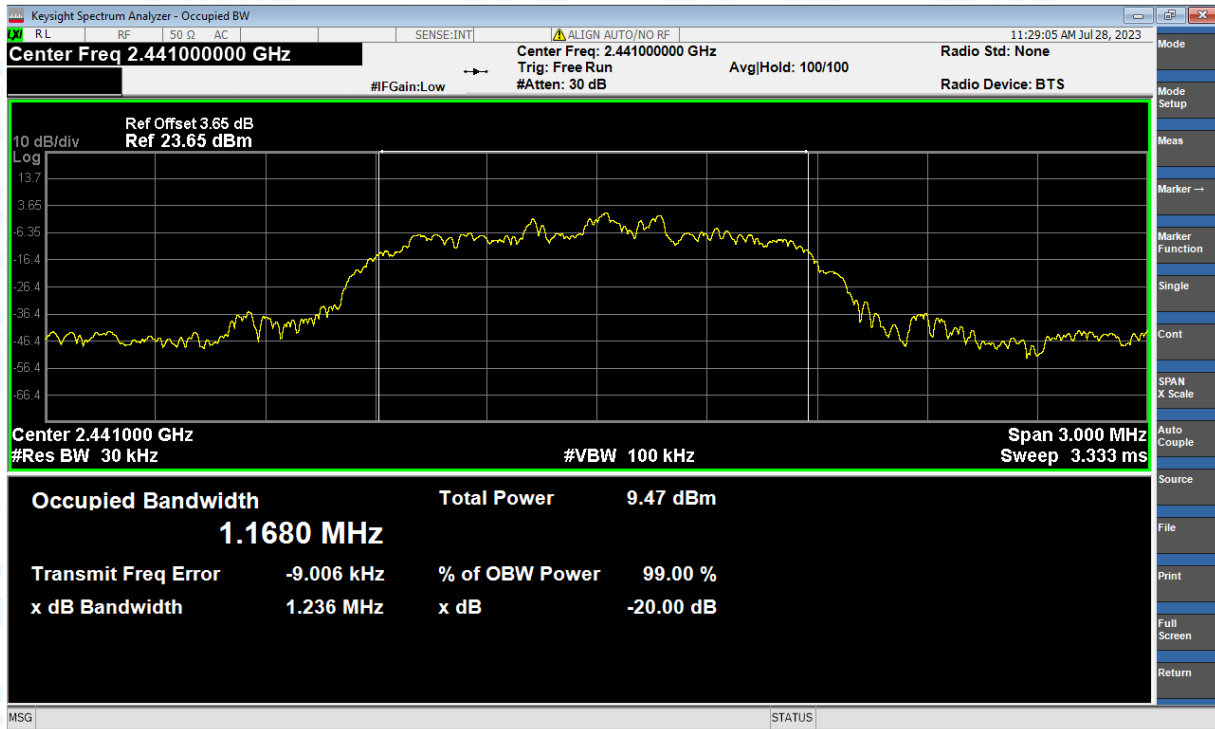
OBW NVNT 1-DH1 2480MHz Ant1



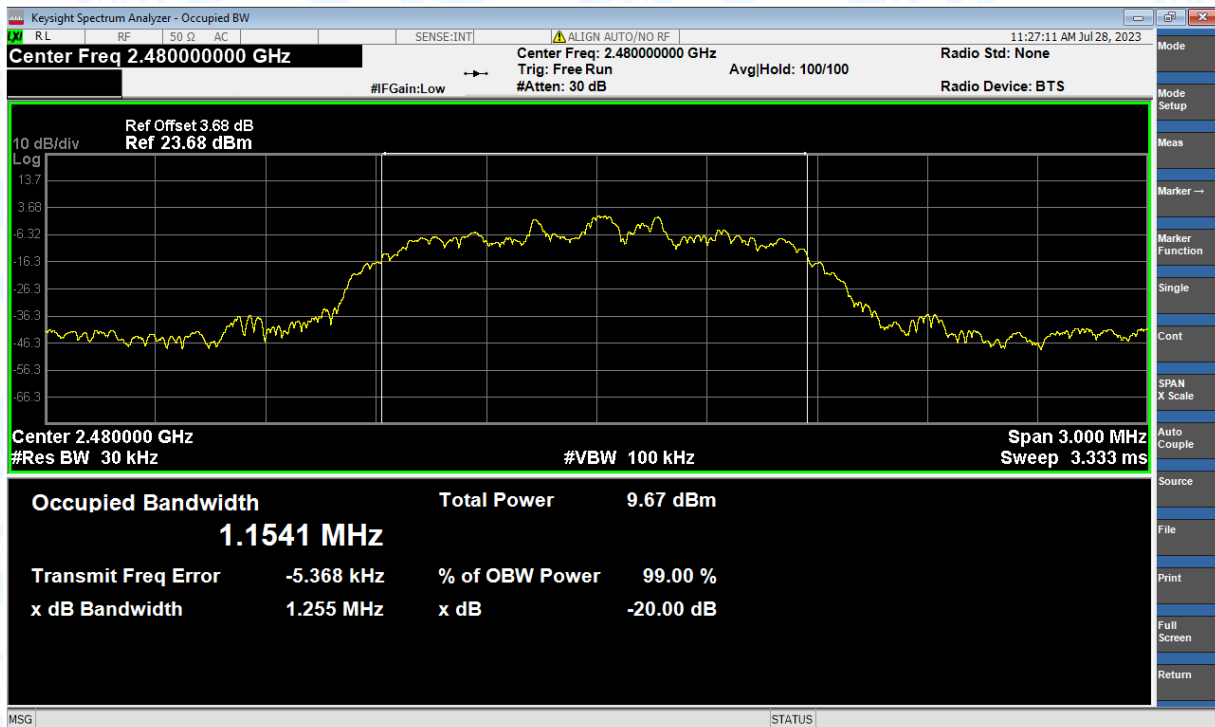
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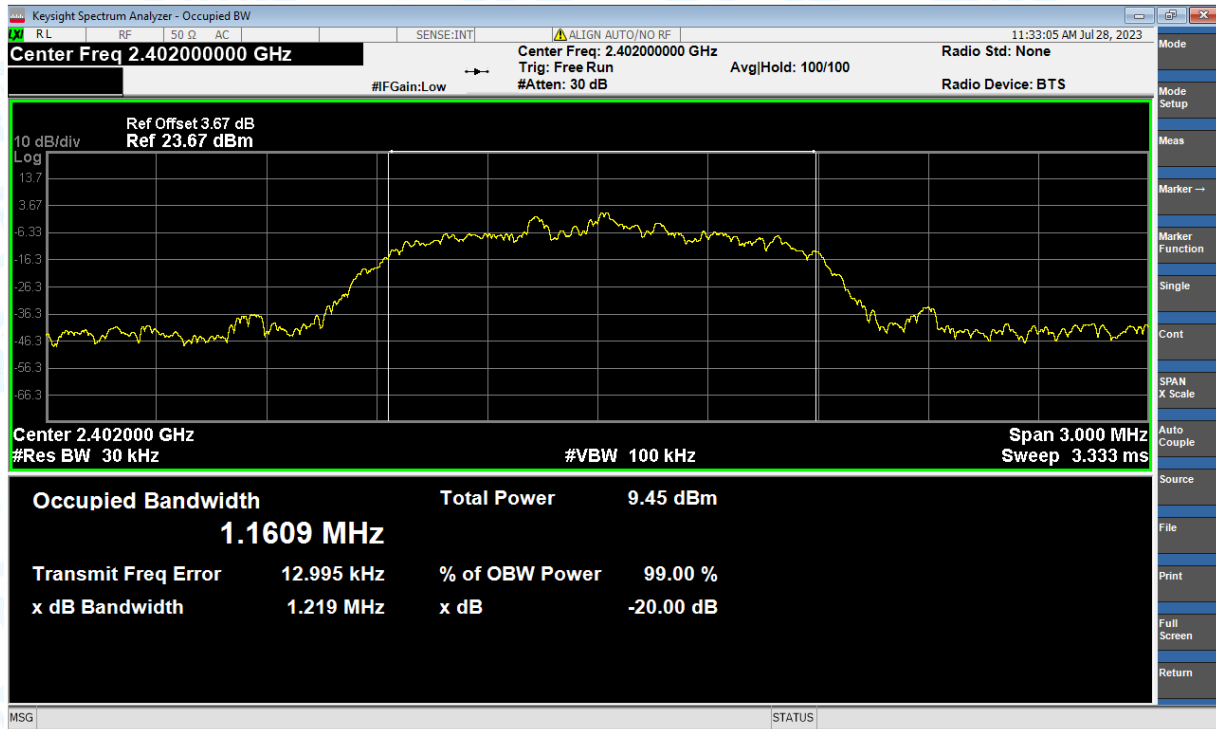
OBW NVNT 2-DH1 2441MHz Ant1



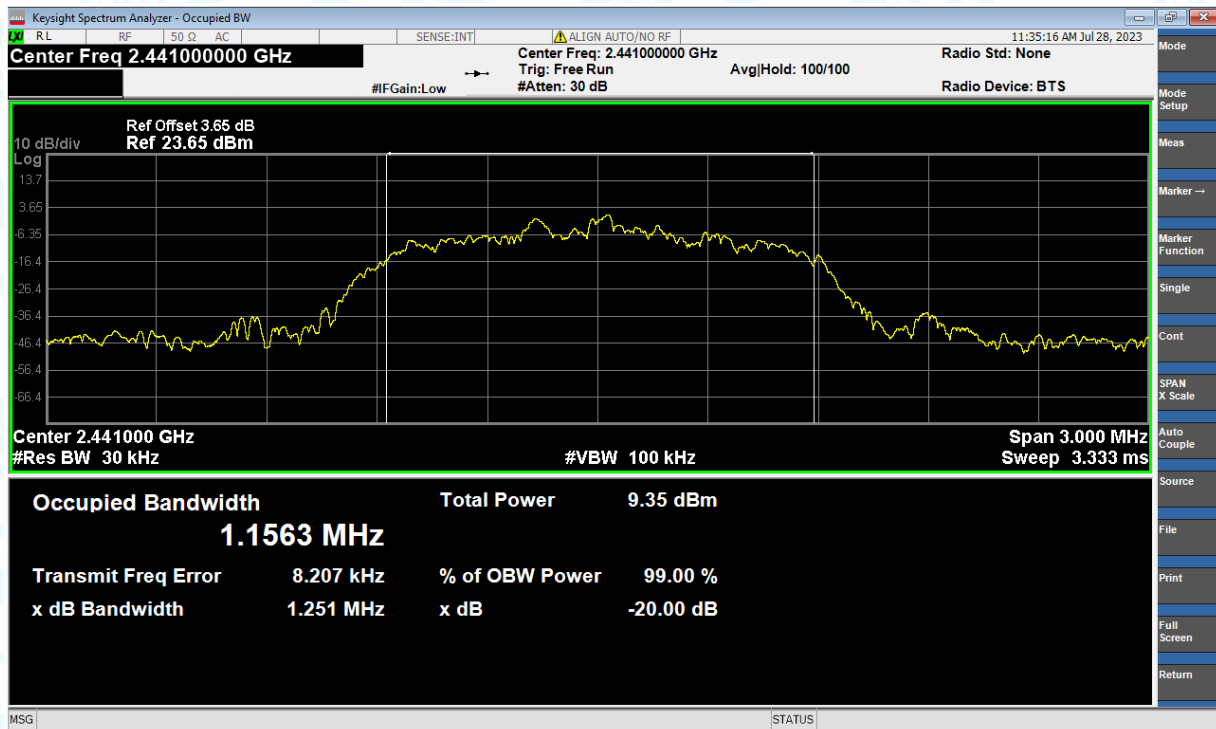
OBW NVNT 2-DH1 2480MHz Ant1

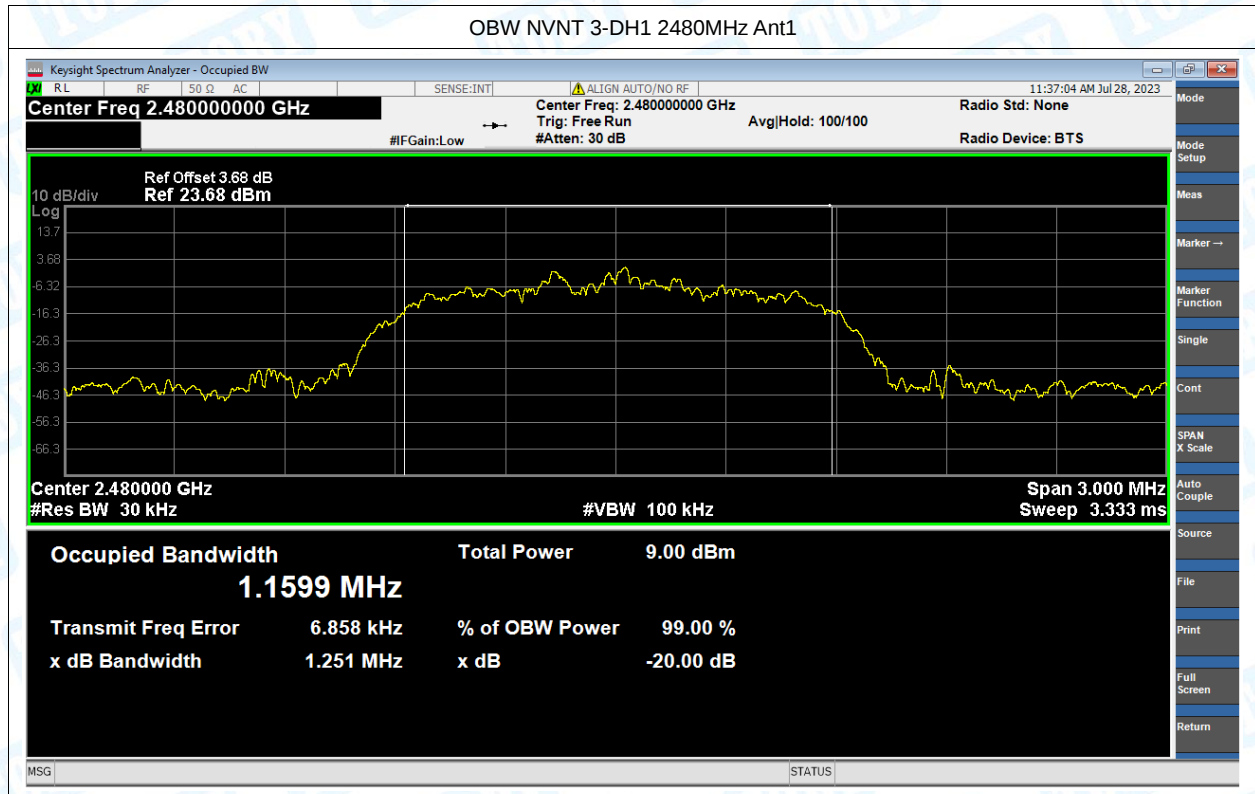


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



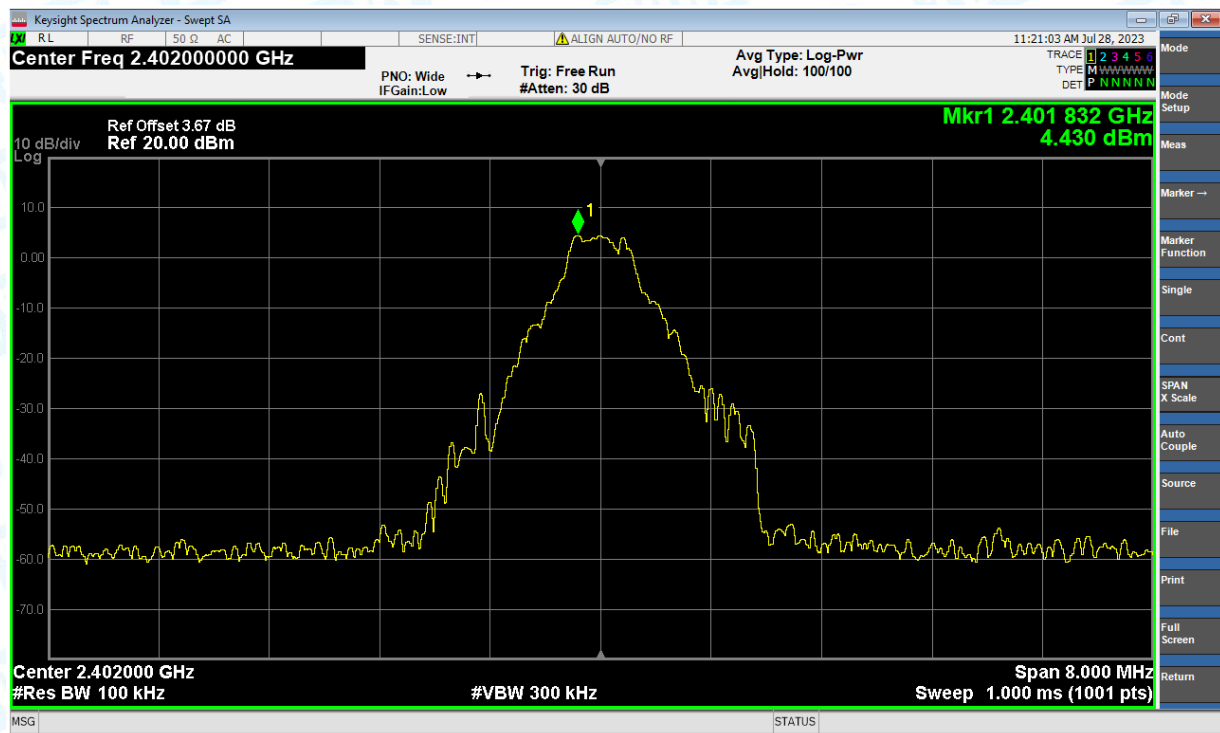


5. Band Edge

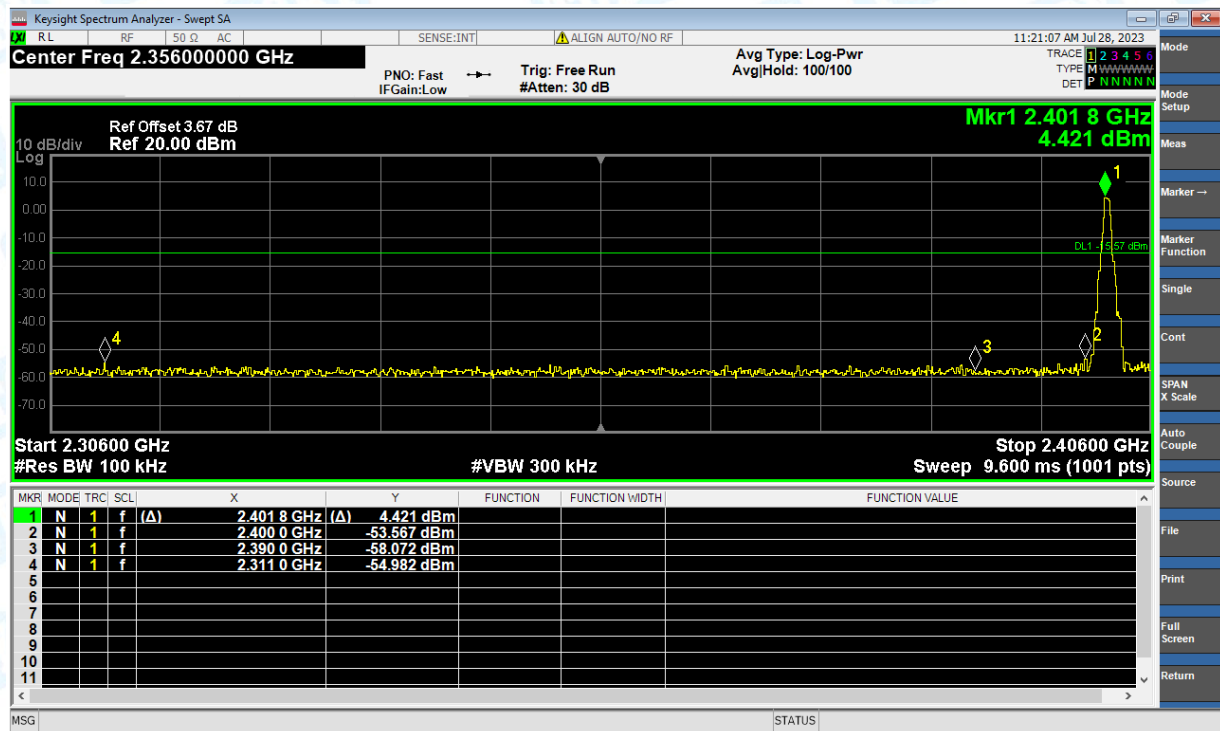
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-59.41	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-59.27	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-58.22	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-58.28	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-57.76	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-58.04	-20	Pass

Test Graphs

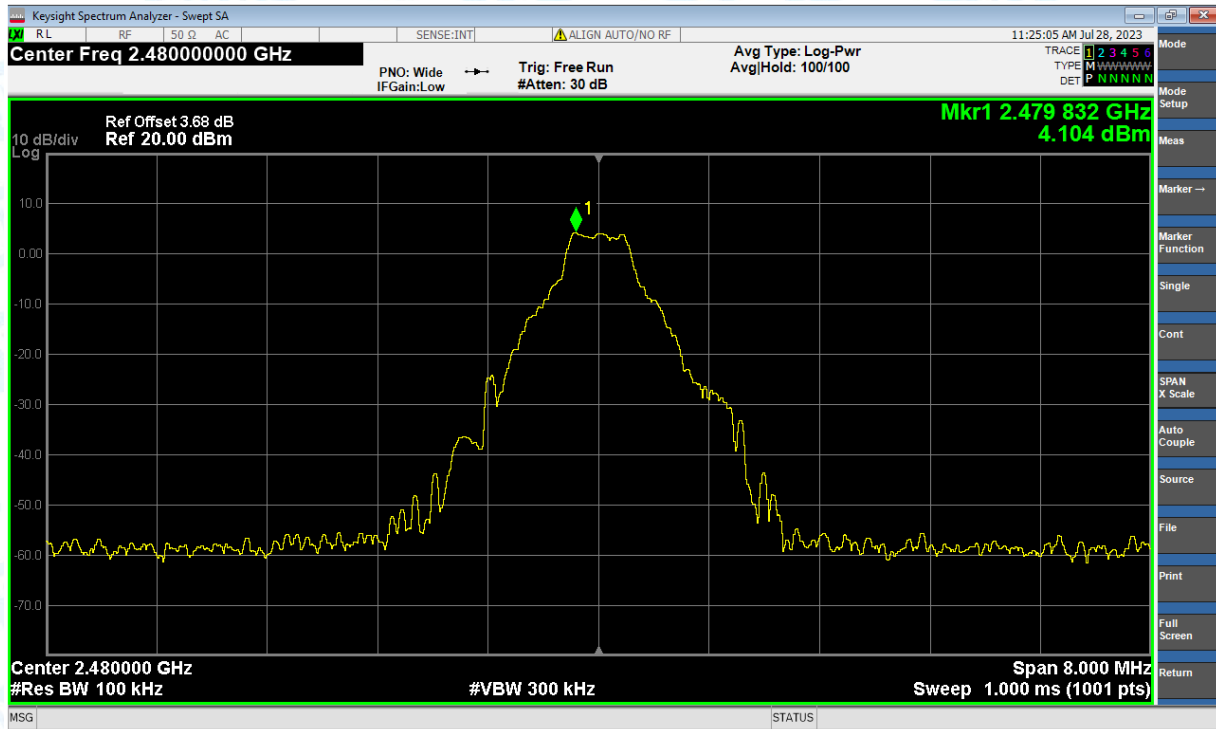
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



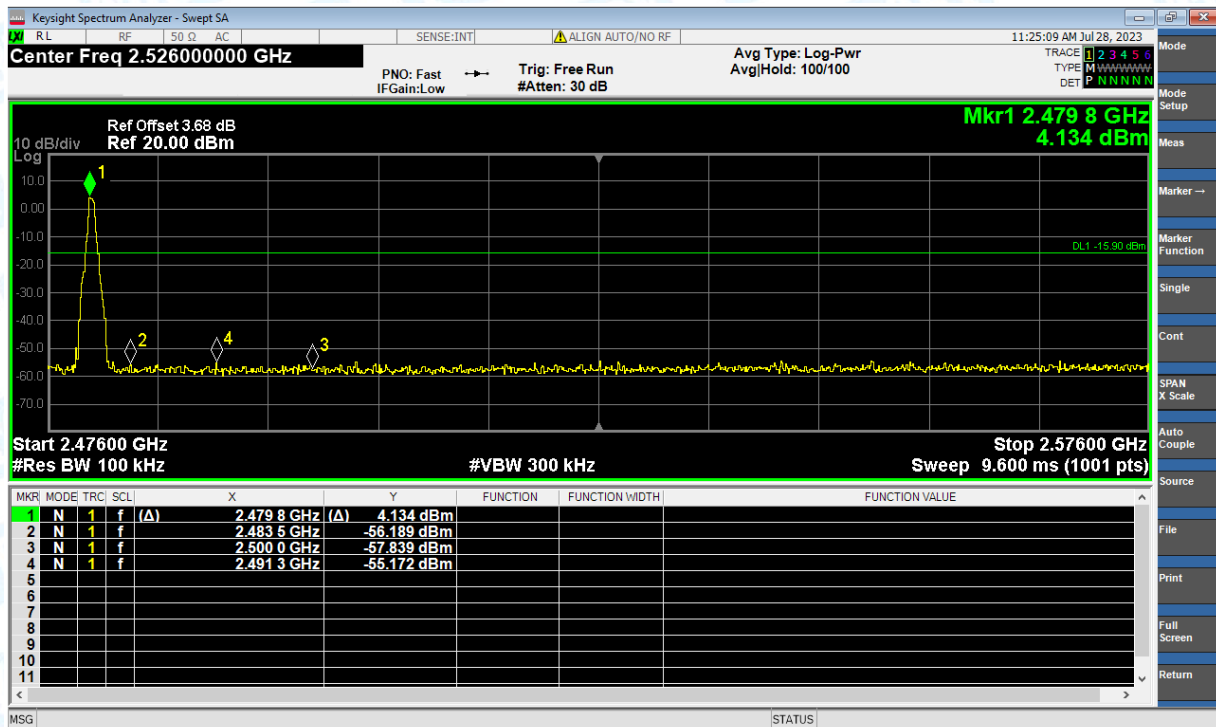
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



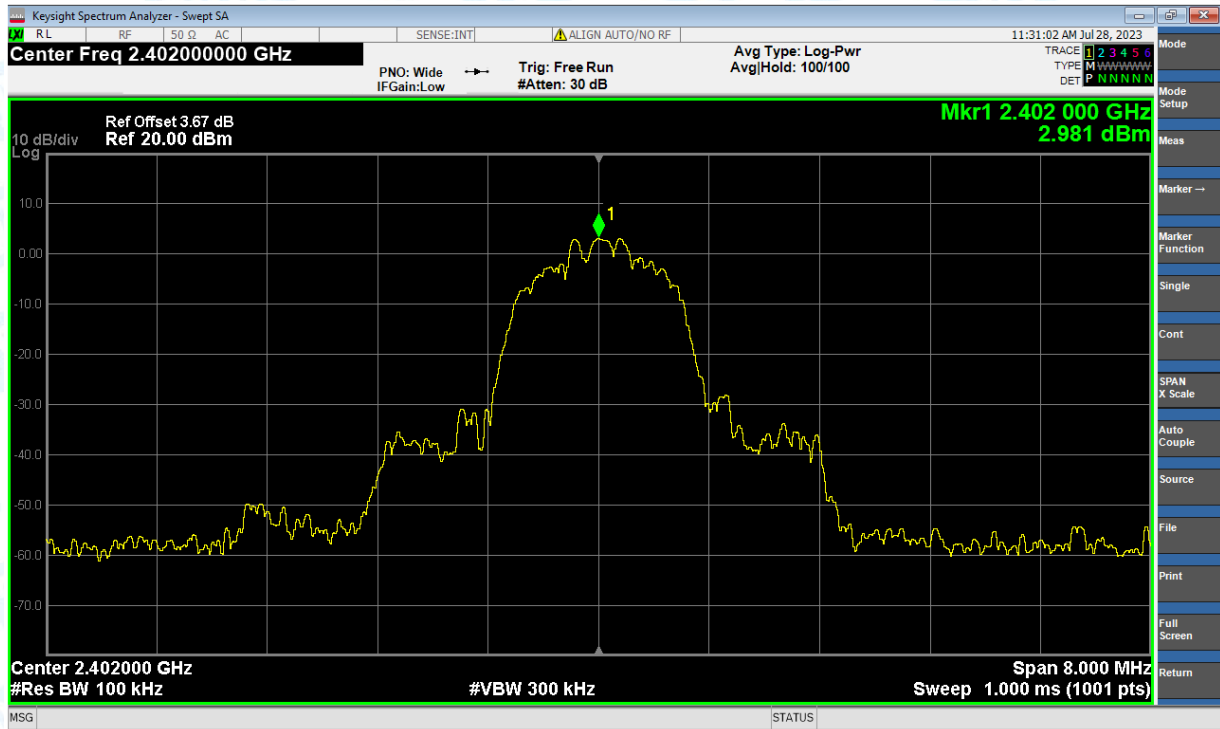
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



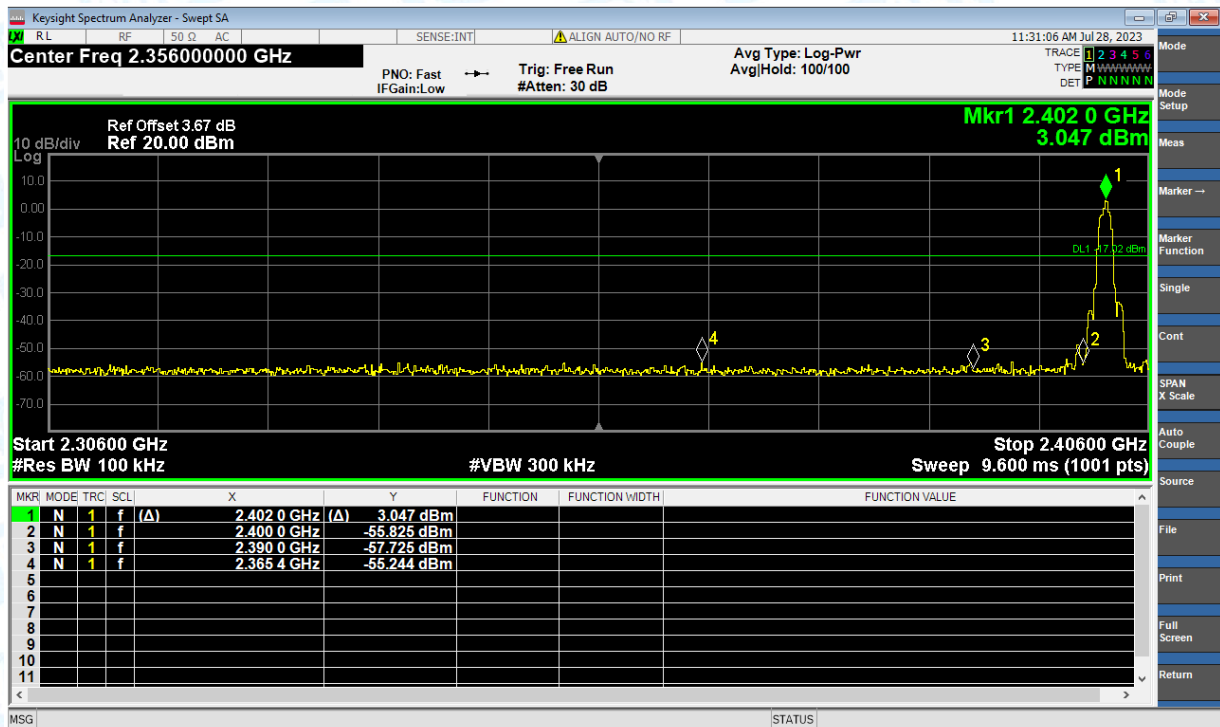
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



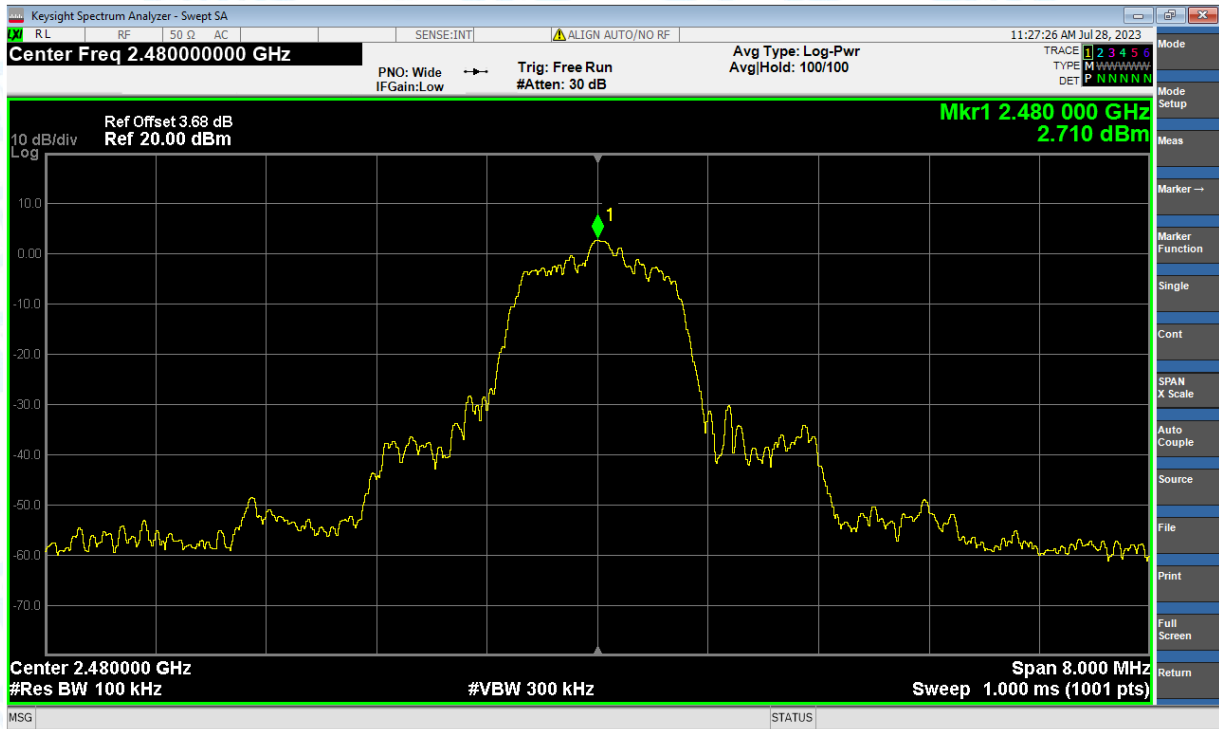
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



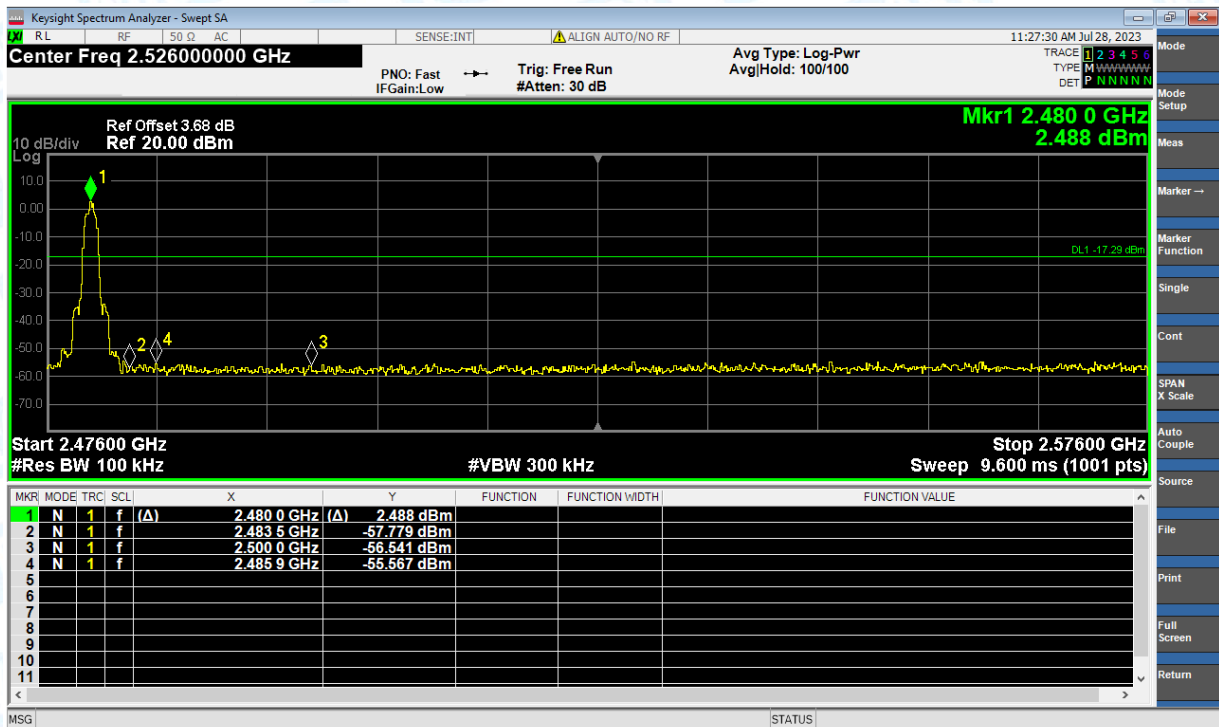
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



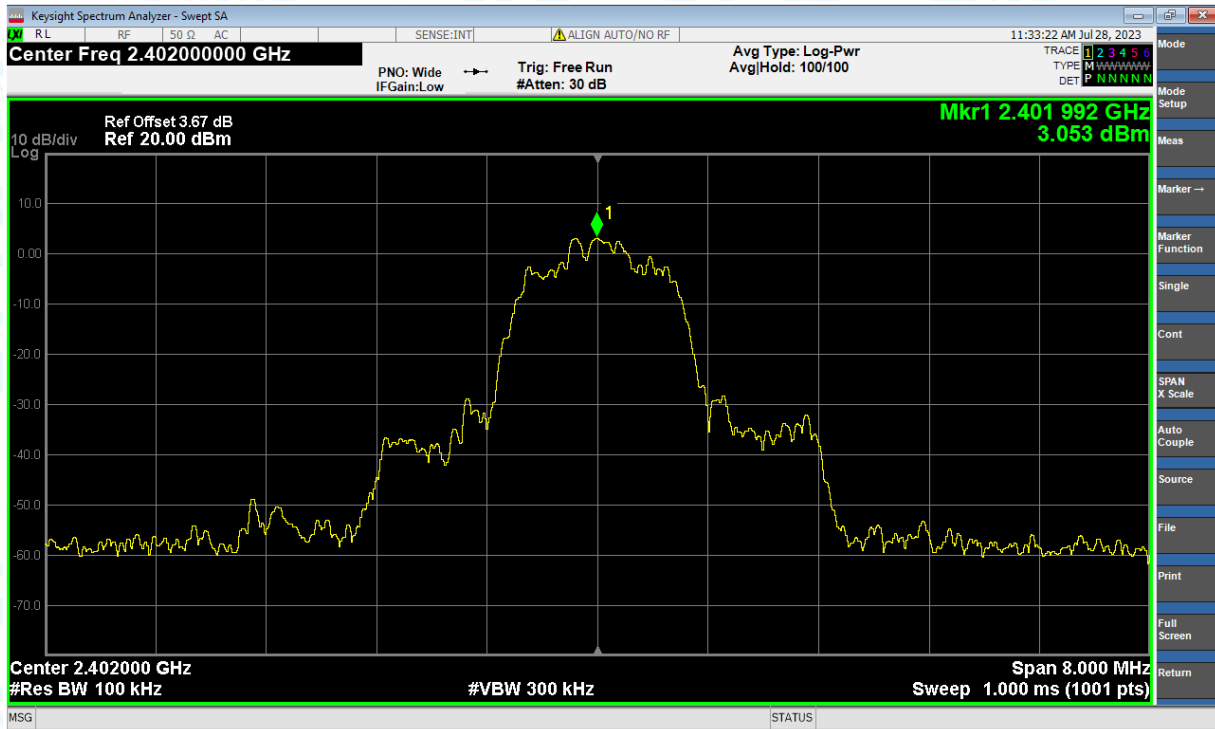
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



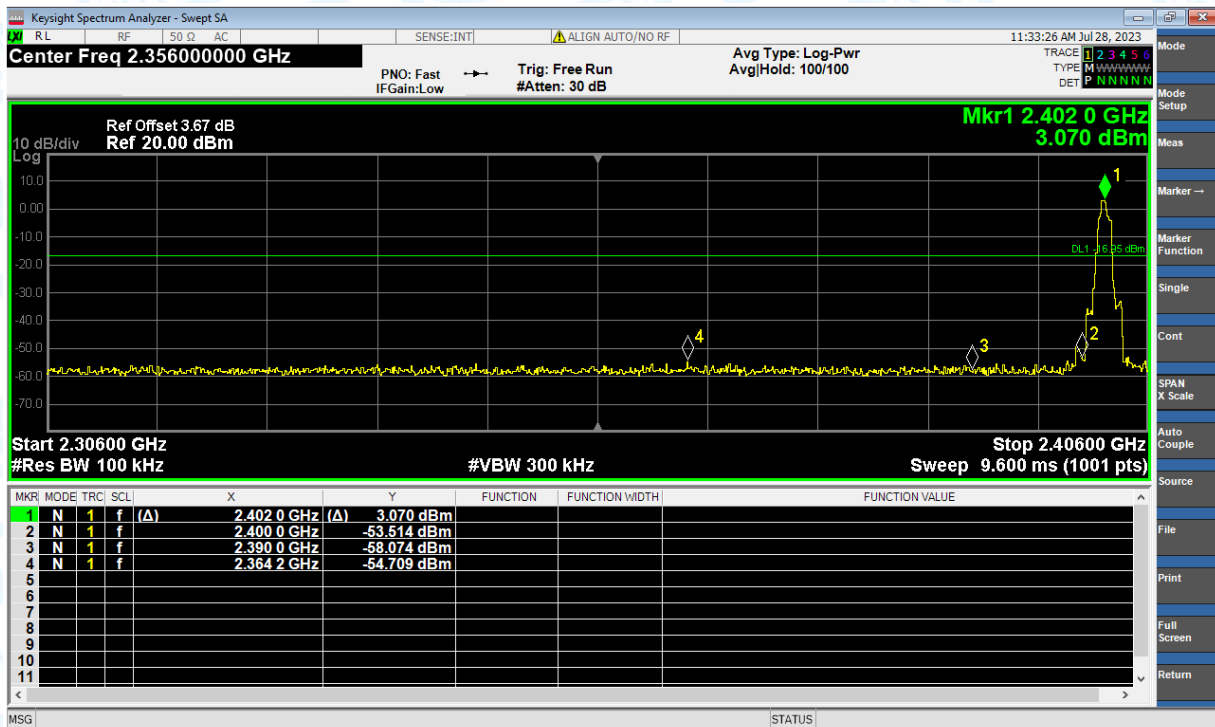
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



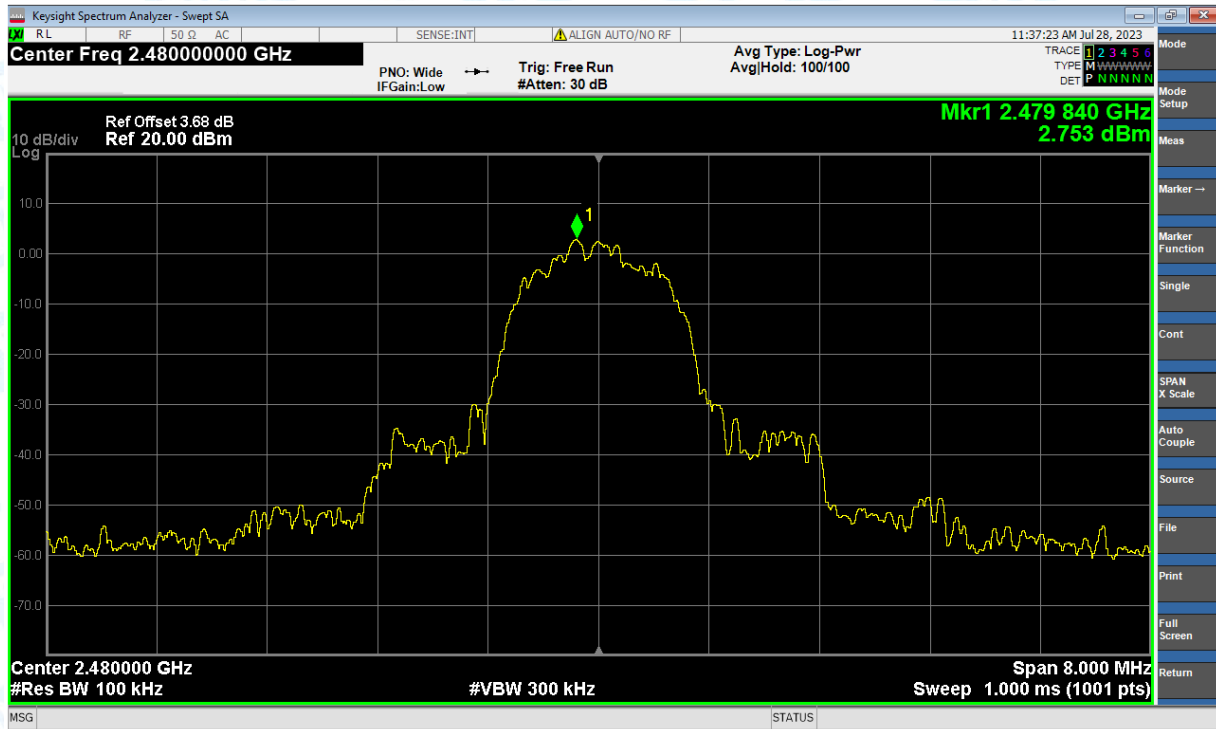
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



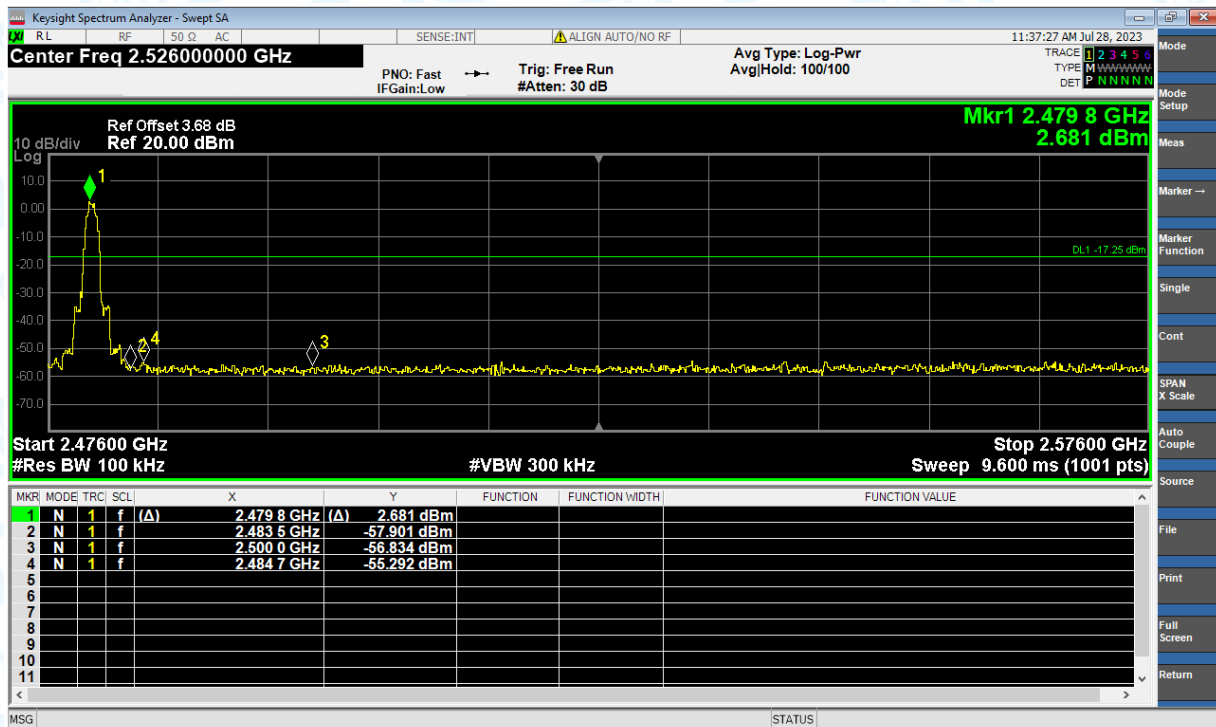
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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

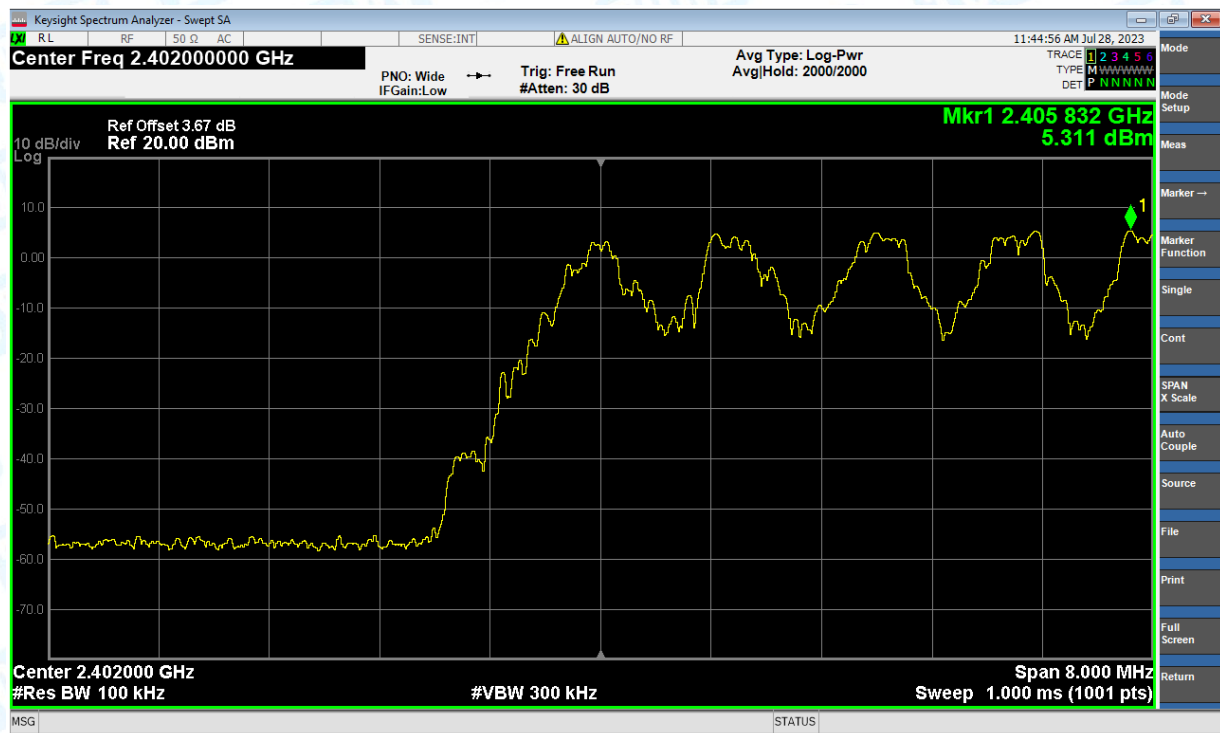


6. Band Edge(Hopping)

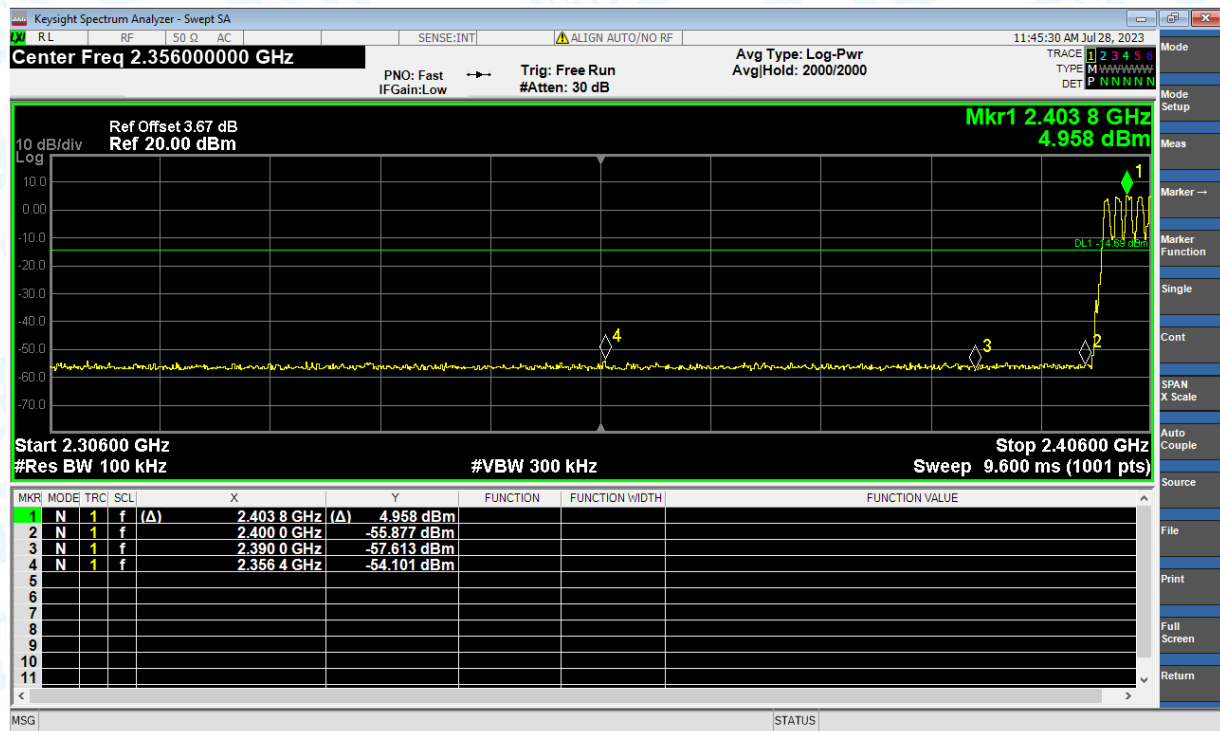
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-59.41	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-58.57	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-57.39	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-57.07	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-57.15	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-56.82	-20	Pass

Test Graphs

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



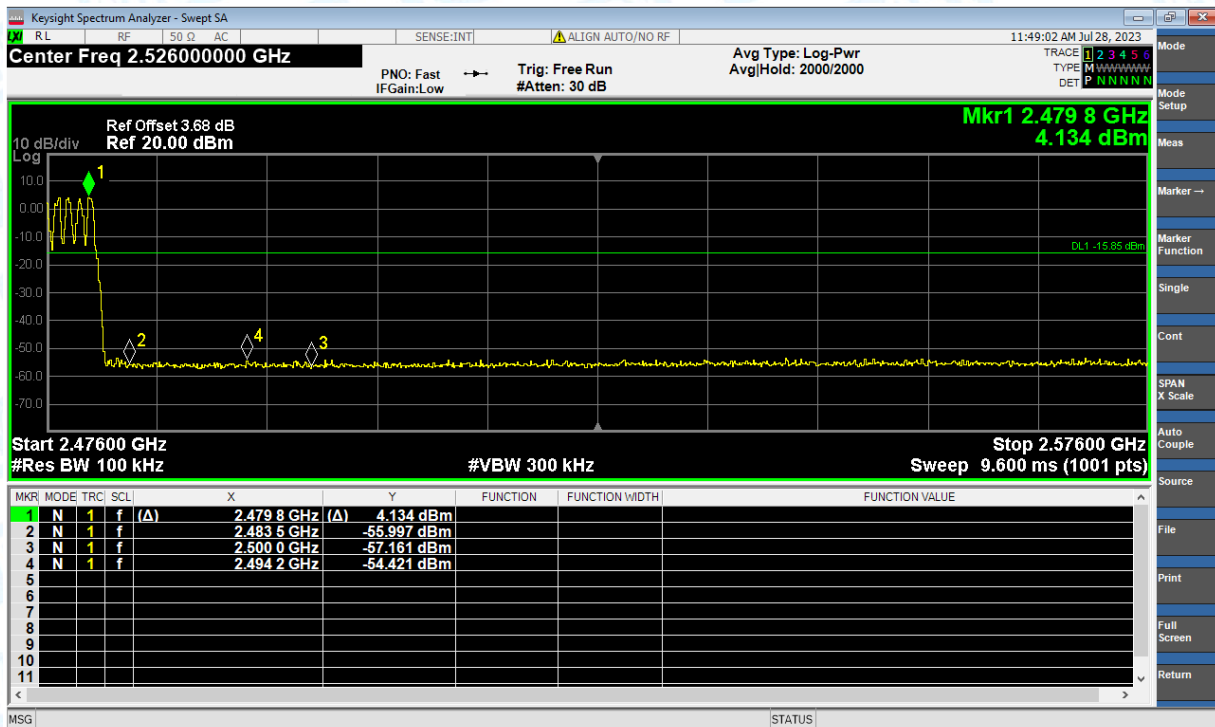
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



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



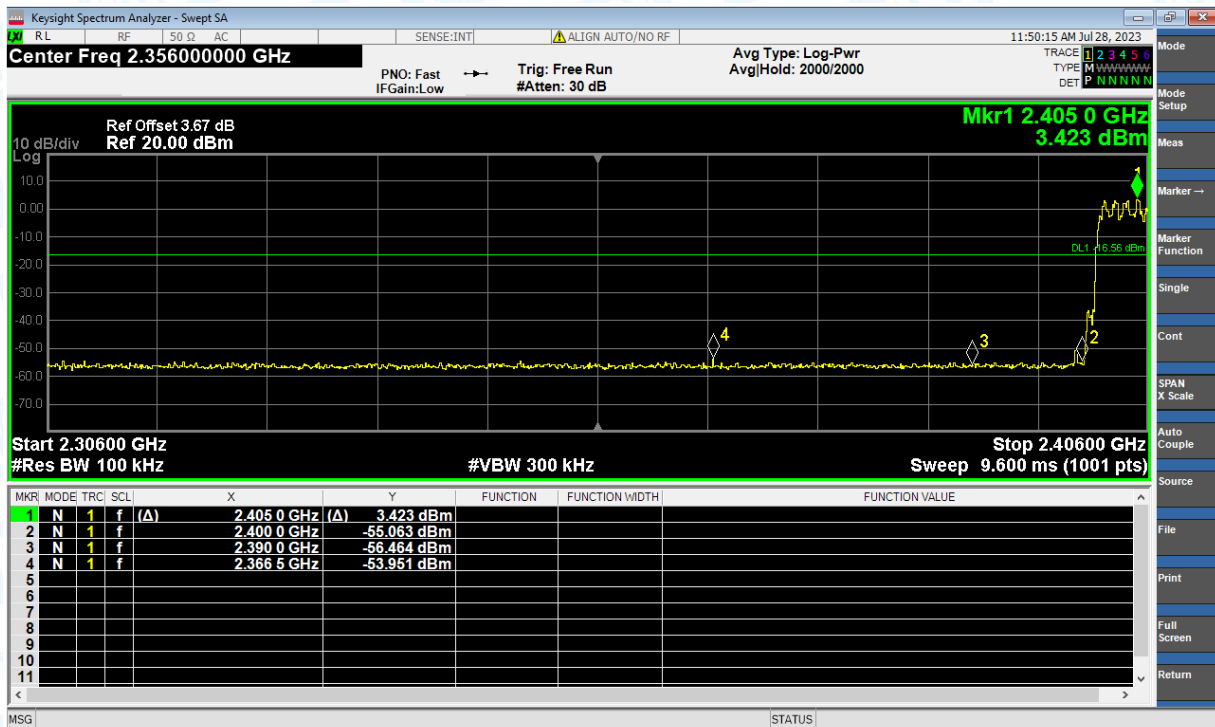
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



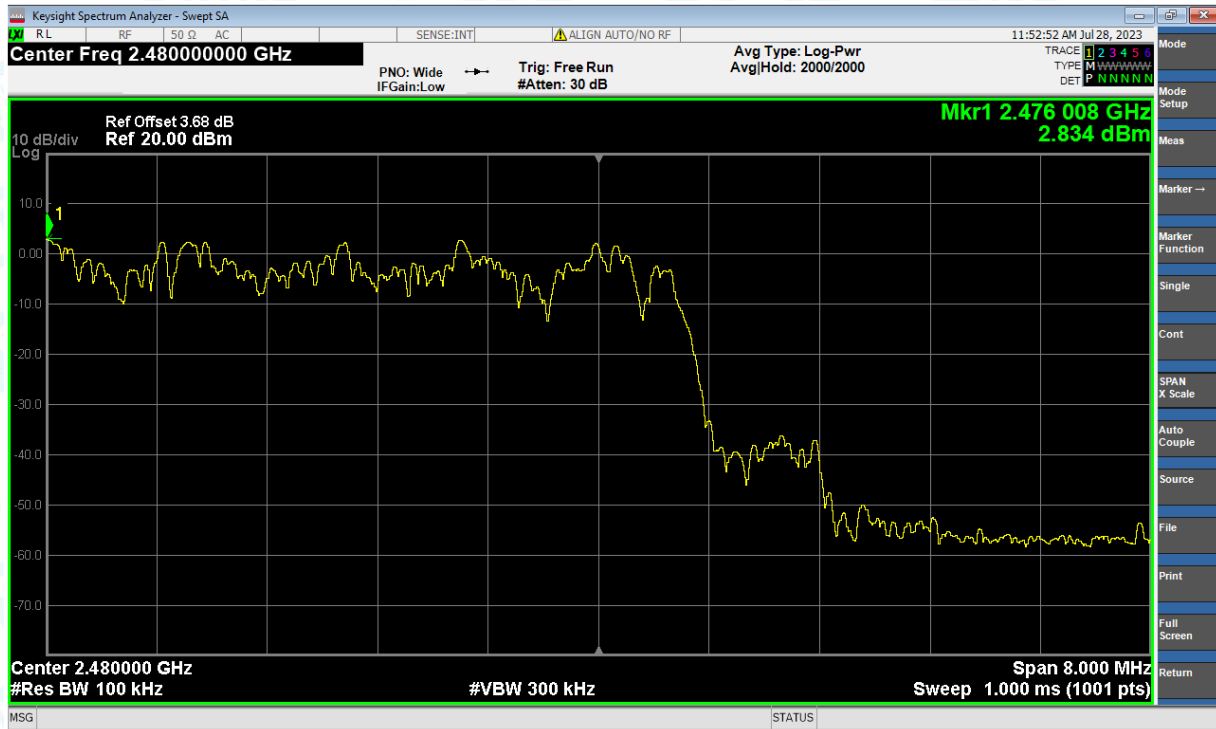
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



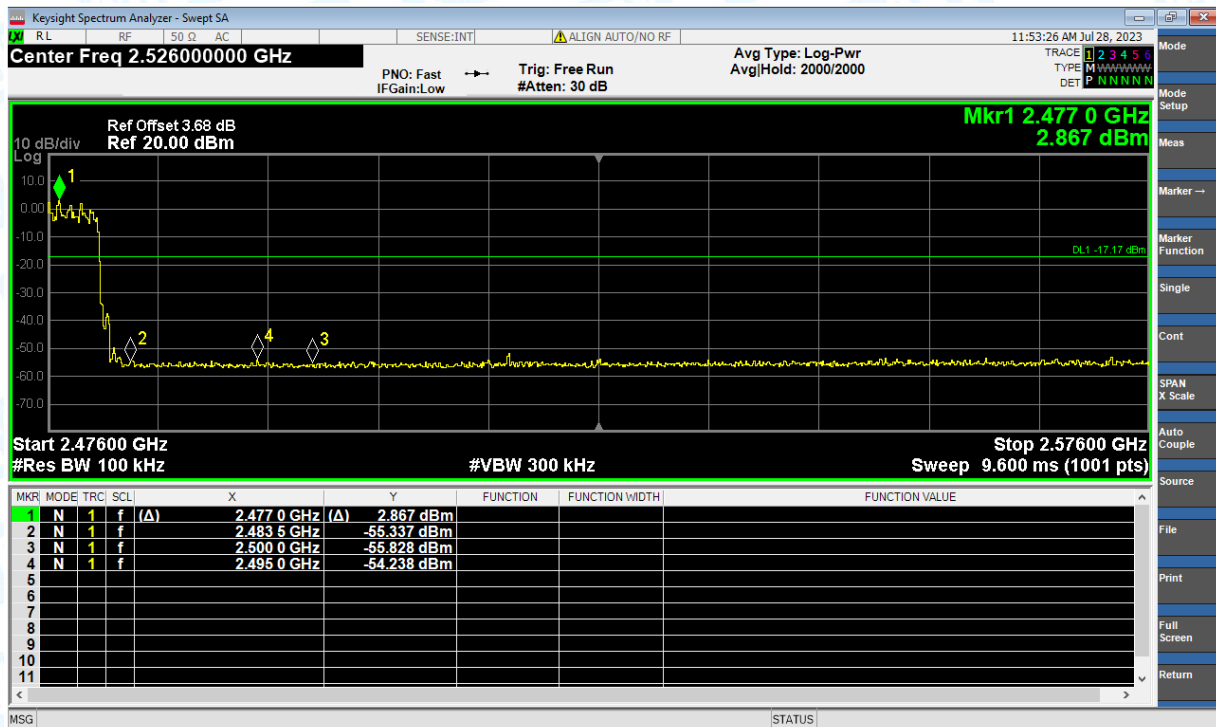
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



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



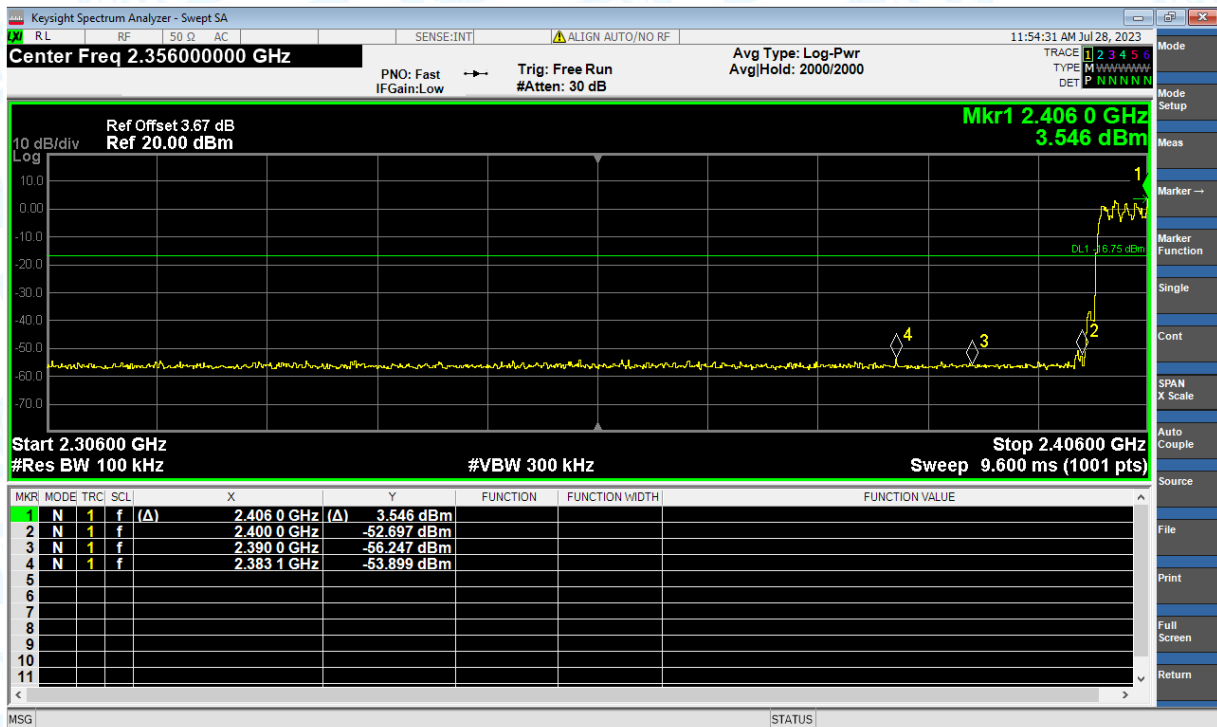
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



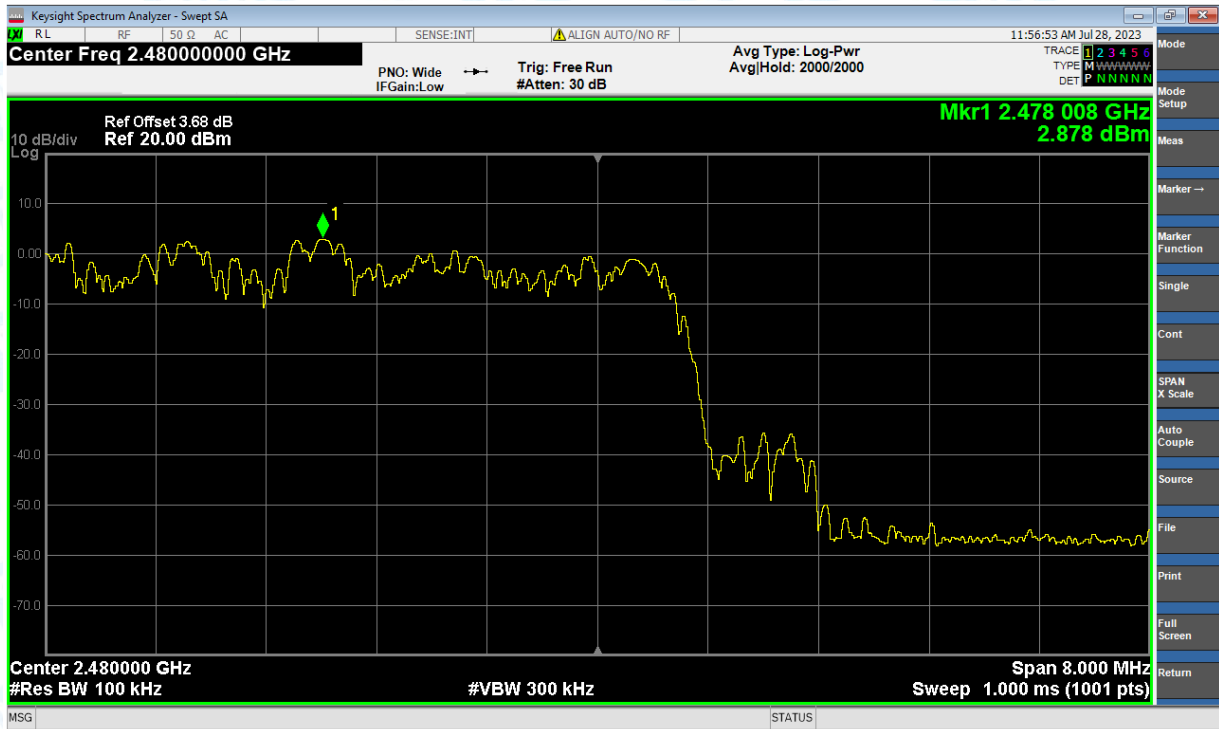
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



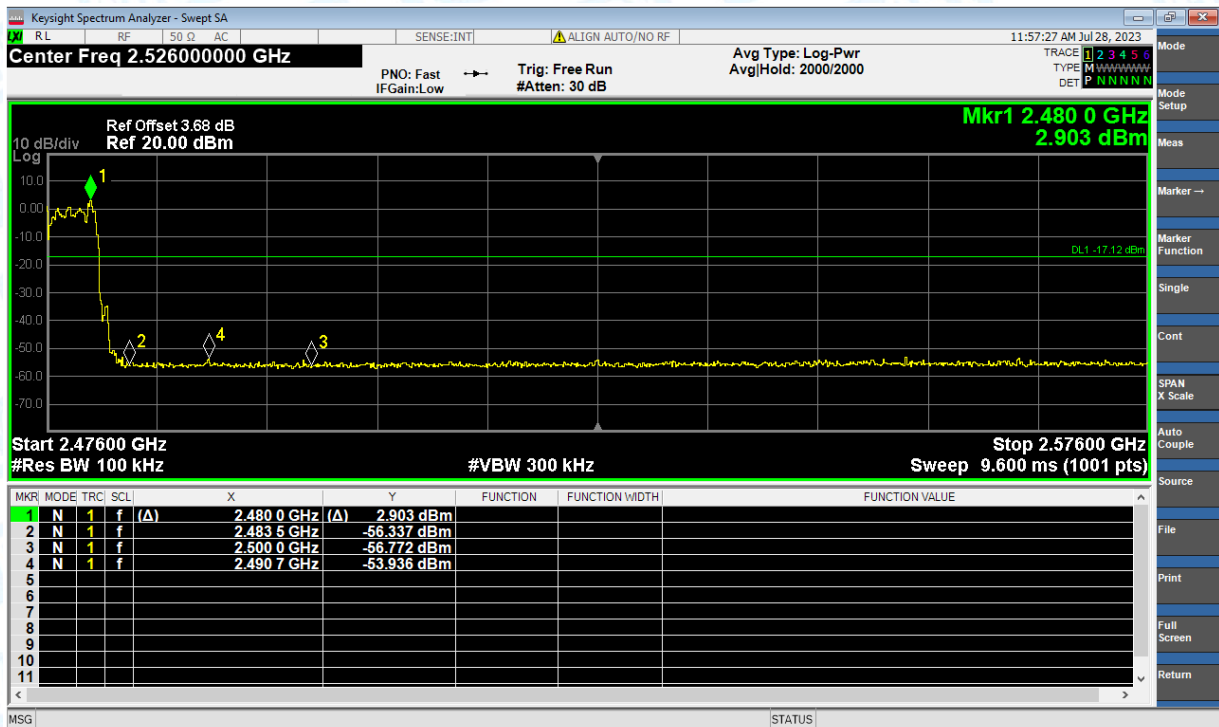
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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

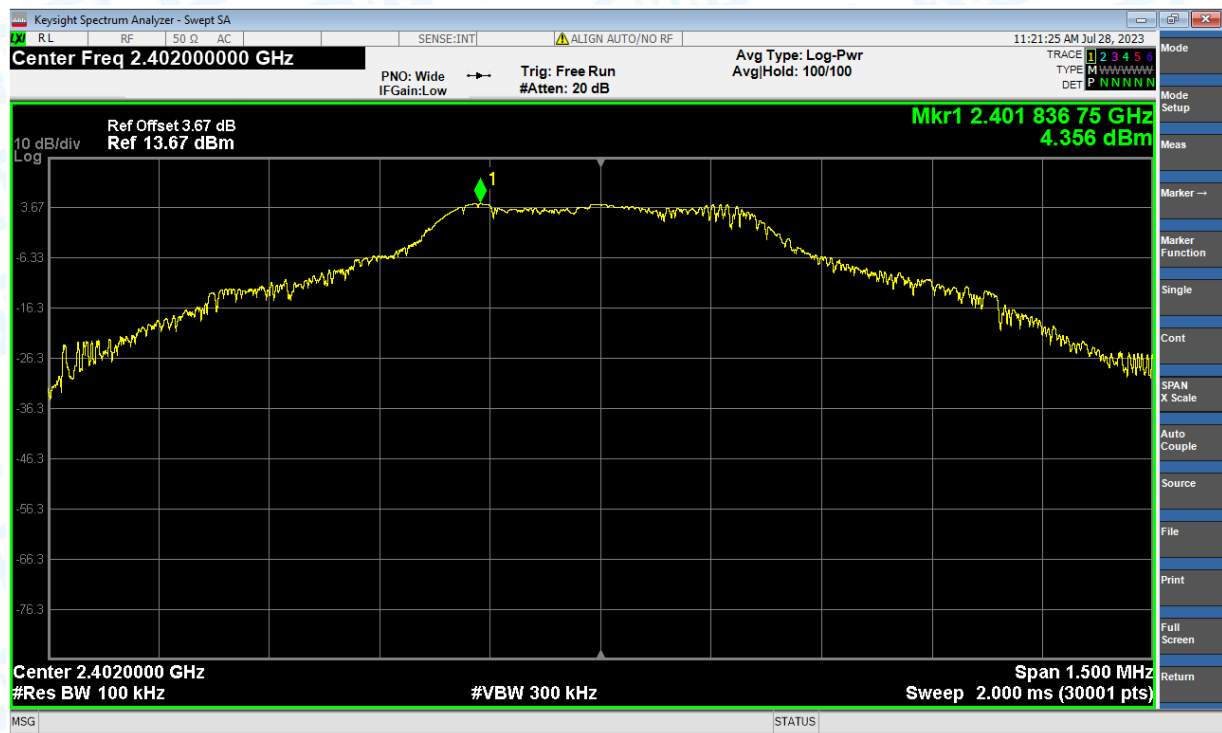


7. Conducted RF Spurious Emission

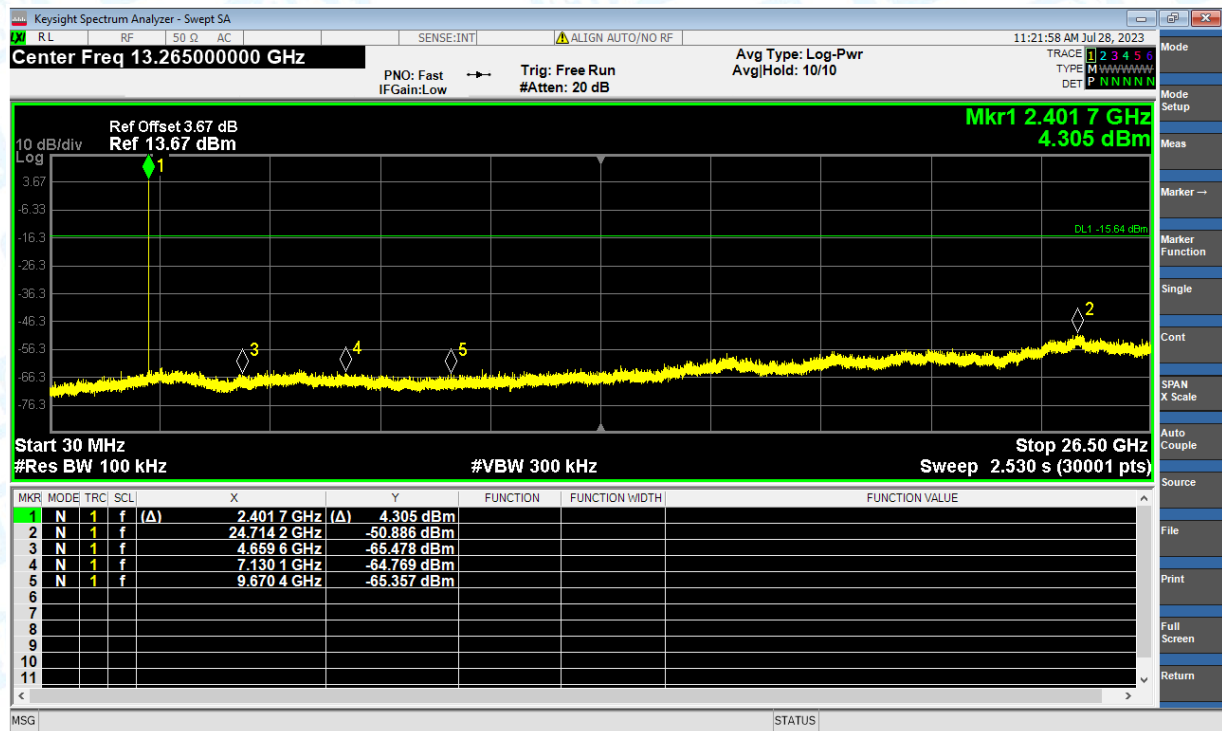
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-55.25	-20	Pass
NVNT	1-DH1	2441	Ant1	-55.3	-20	Pass
NVNT	1-DH1	2480	Ant1	-54.57	-20	Pass
NVNT	2-DH1	2402	Ant1	-53.73	-20	Pass
NVNT	2-DH1	2441	Ant1	-53.04	-20	Pass
NVNT	2-DH1	2480	Ant1	-52.24	-20	Pass
NVNT	3-DH1	2402	Ant1	-53.39	-20	Pass
NVNT	3-DH1	2441	Ant1	-53.75	-20	Pass
NVNT	3-DH1	2480	Ant1	-52.88	-20	Pass

Test Graphs

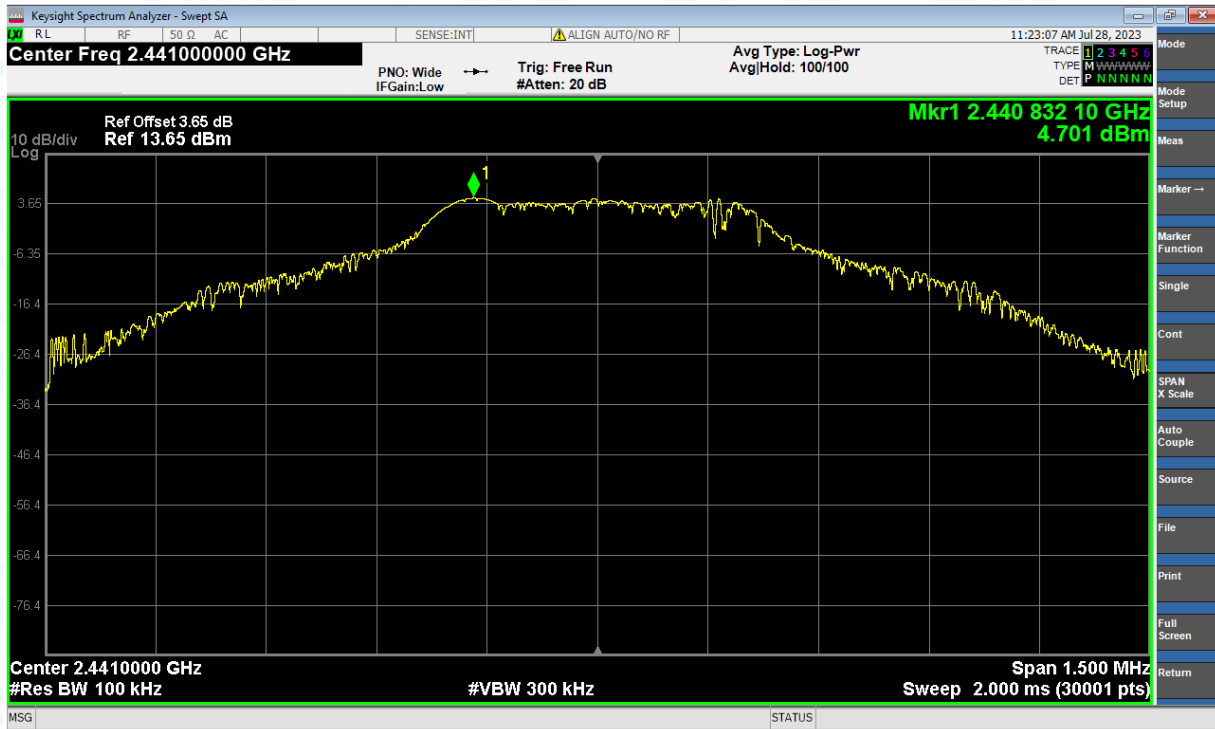
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



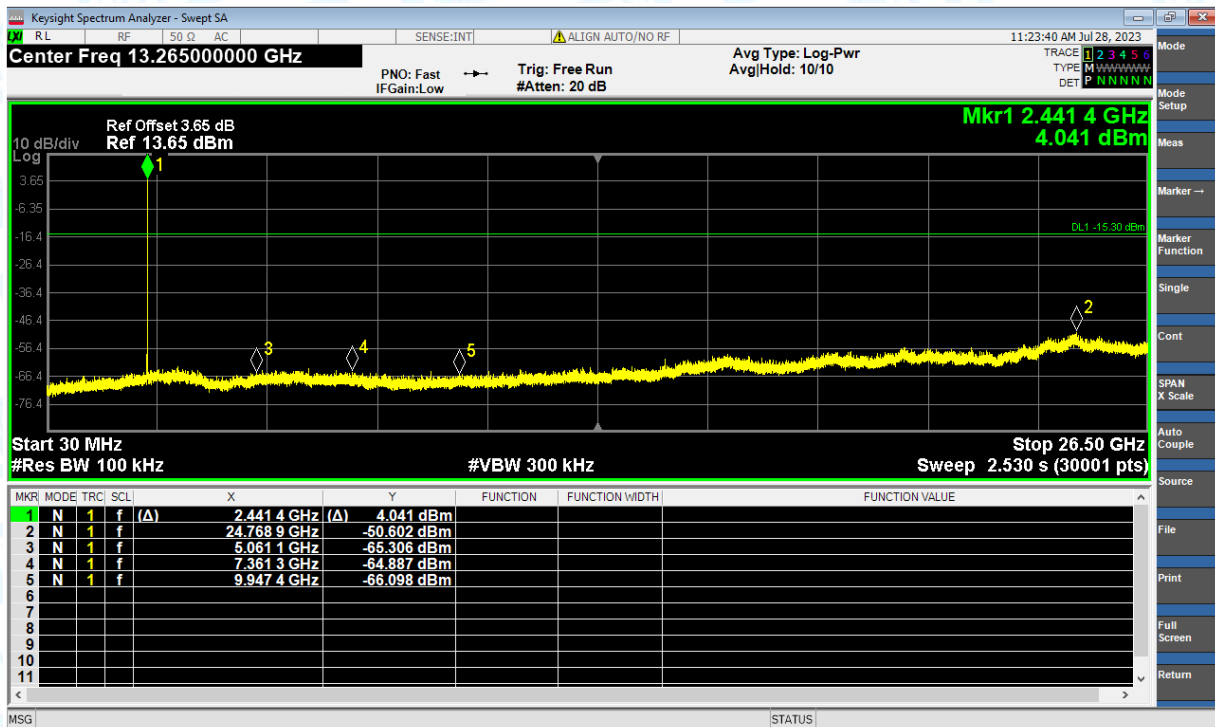
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



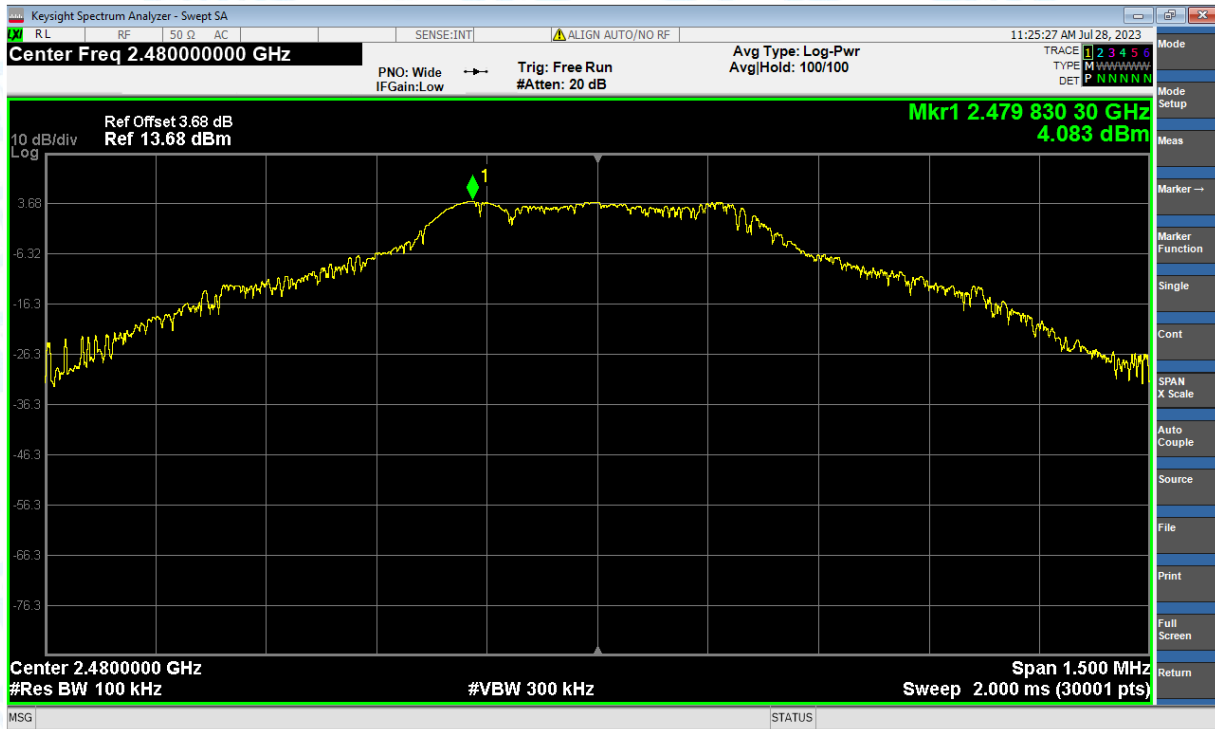
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



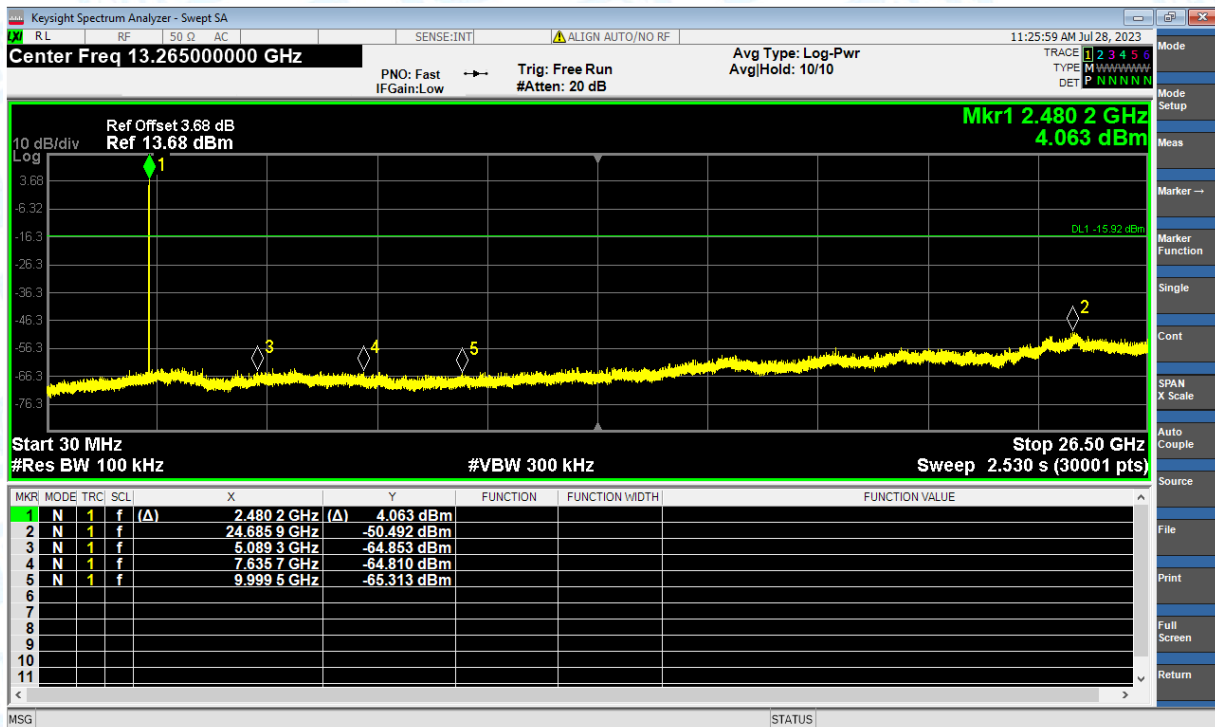
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



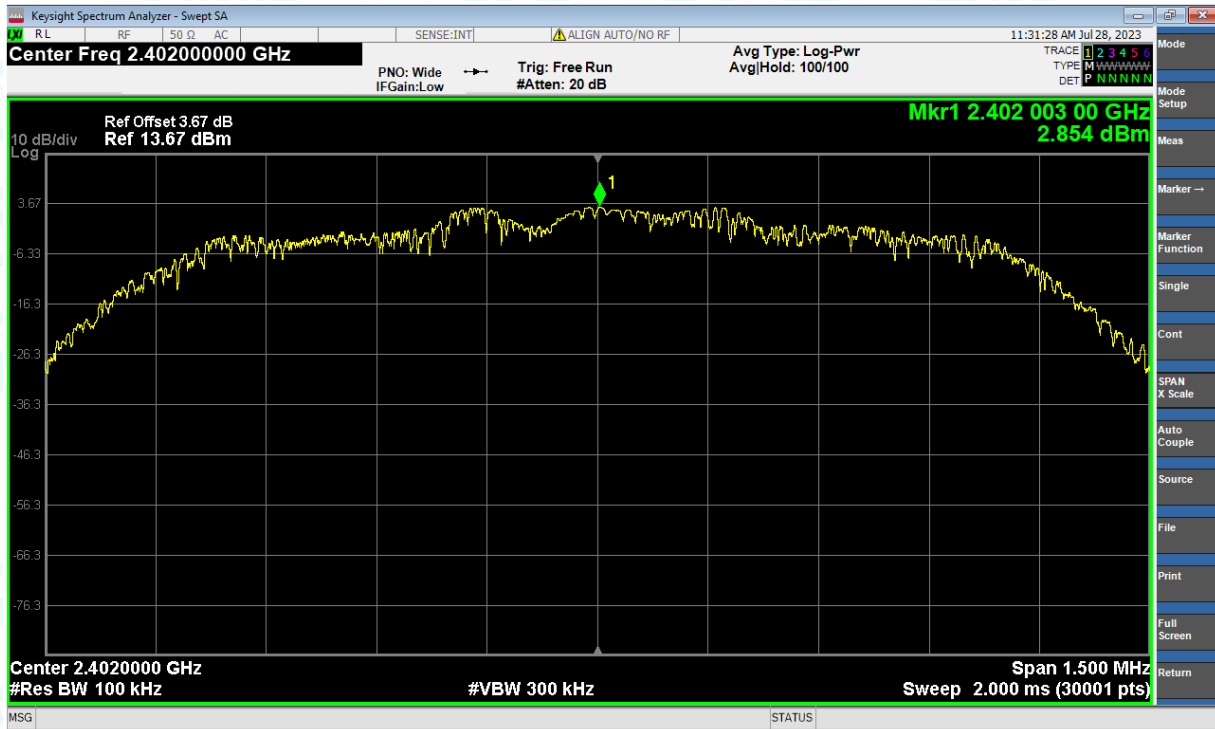
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



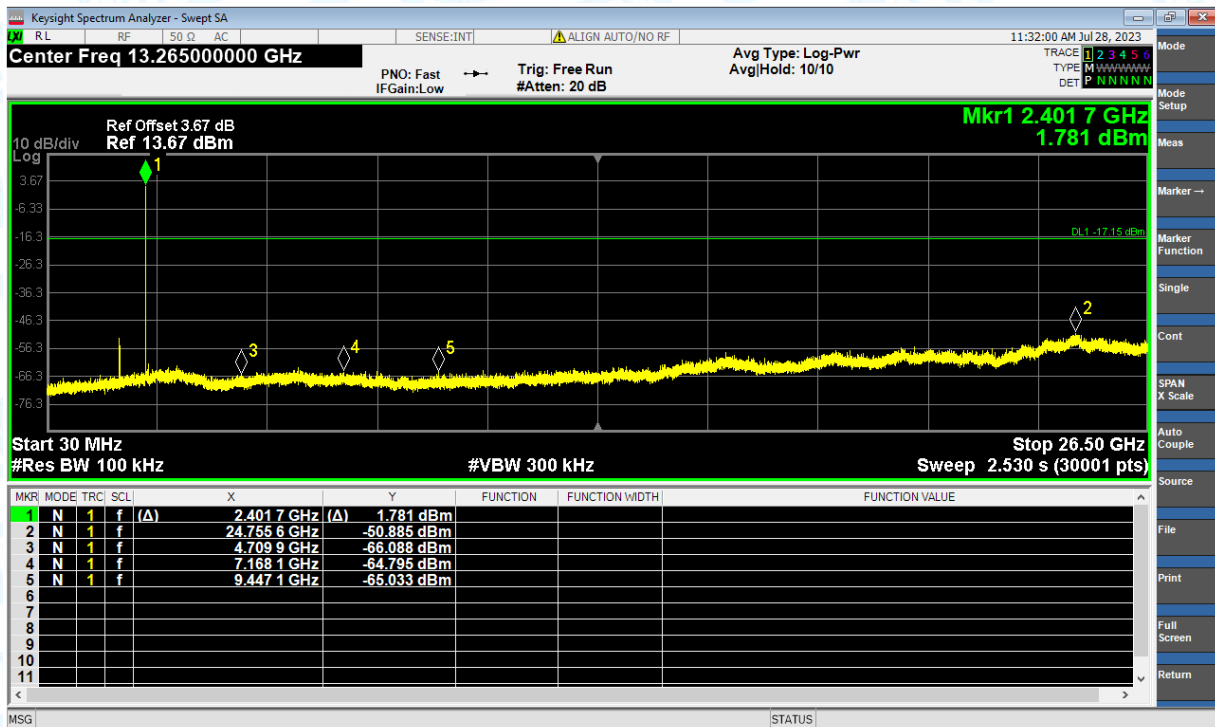
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



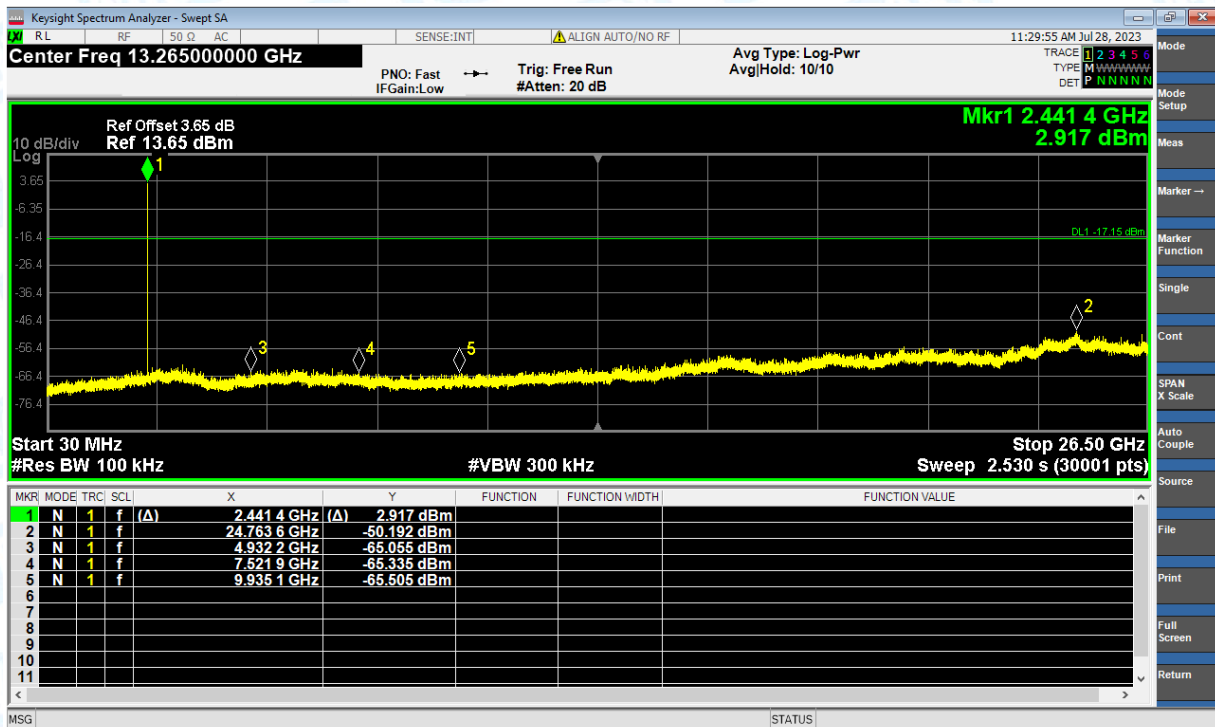
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



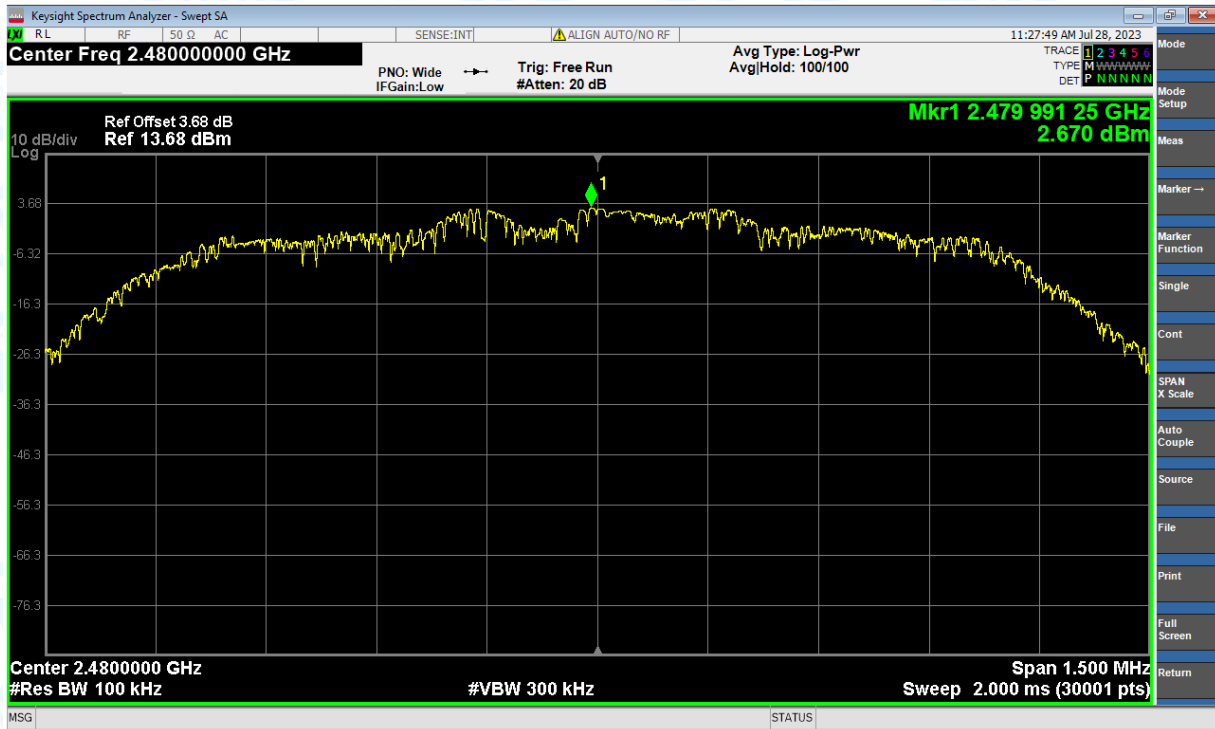
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



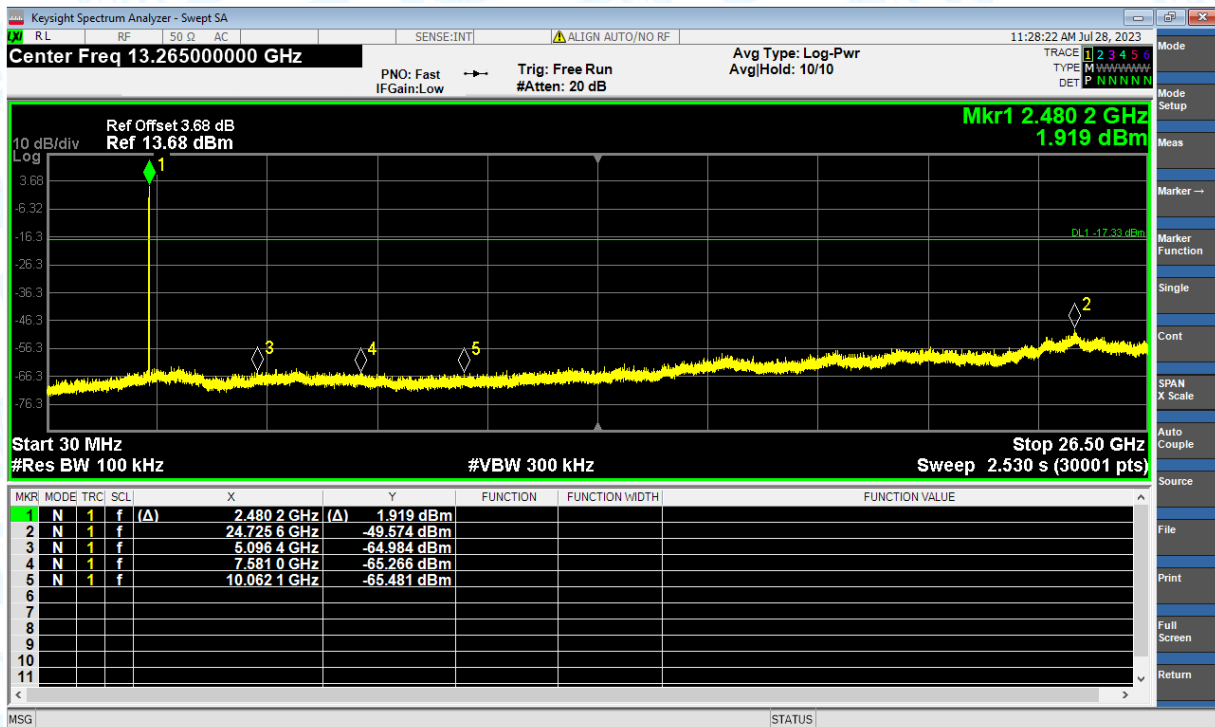
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



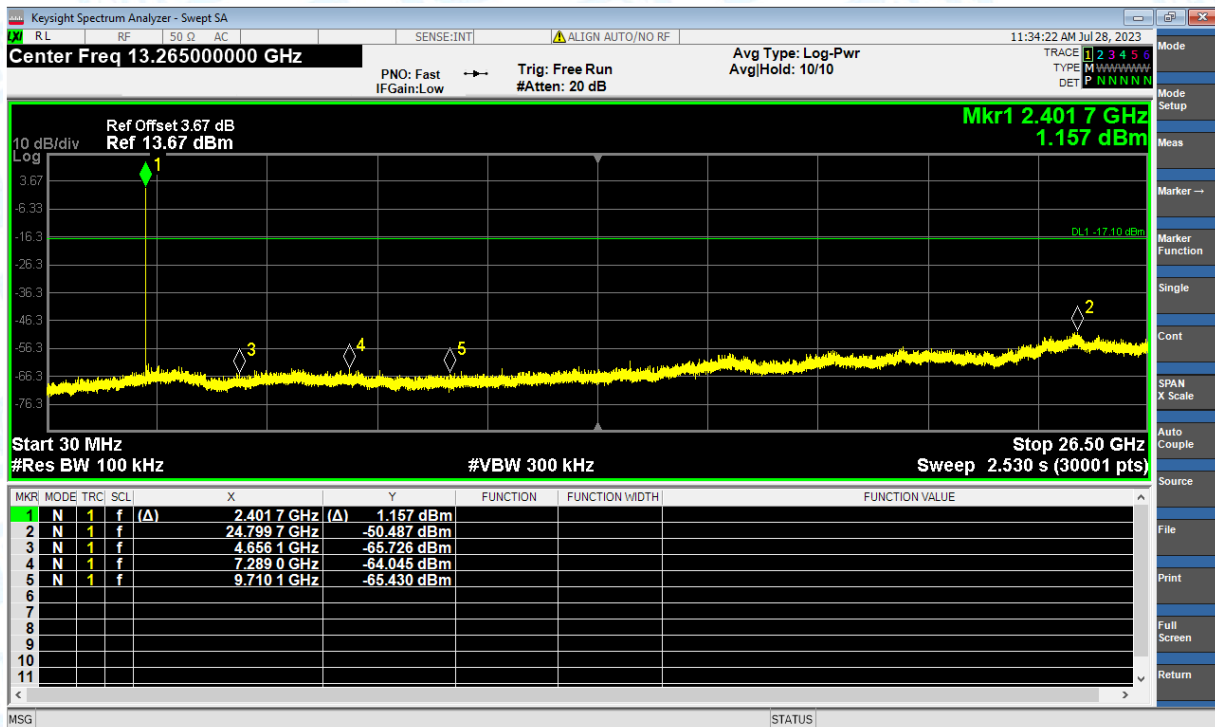
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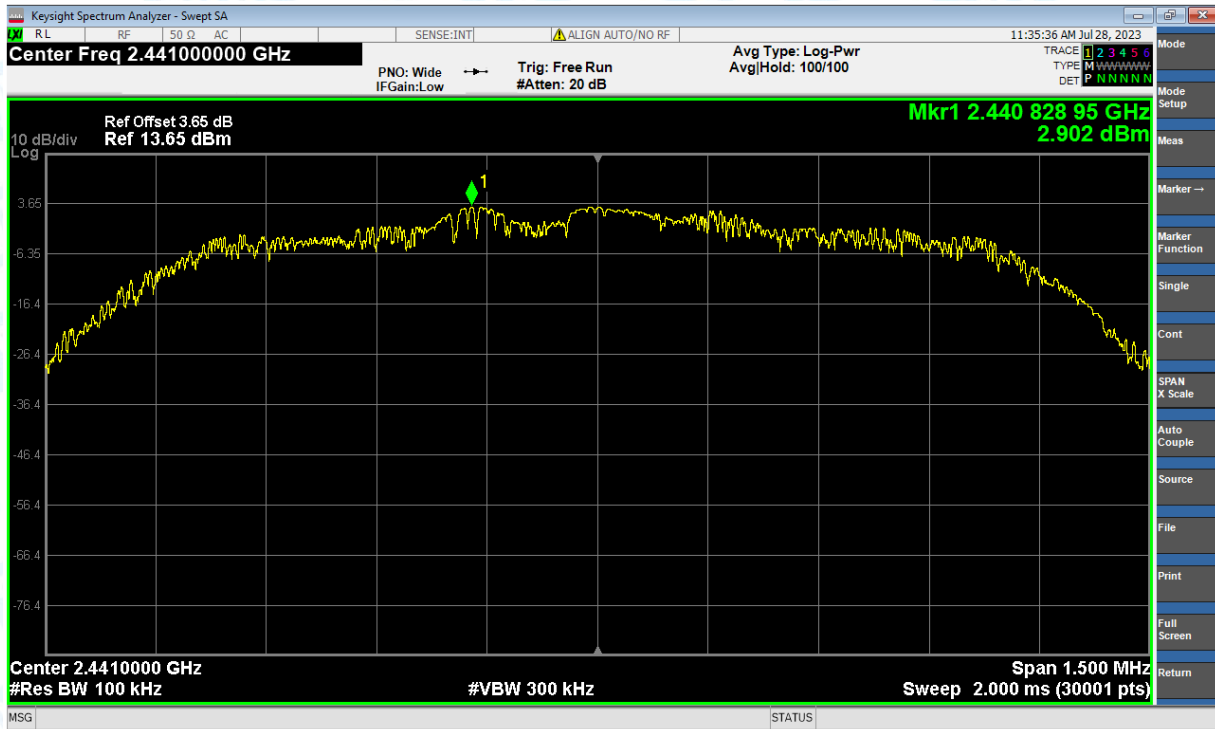
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



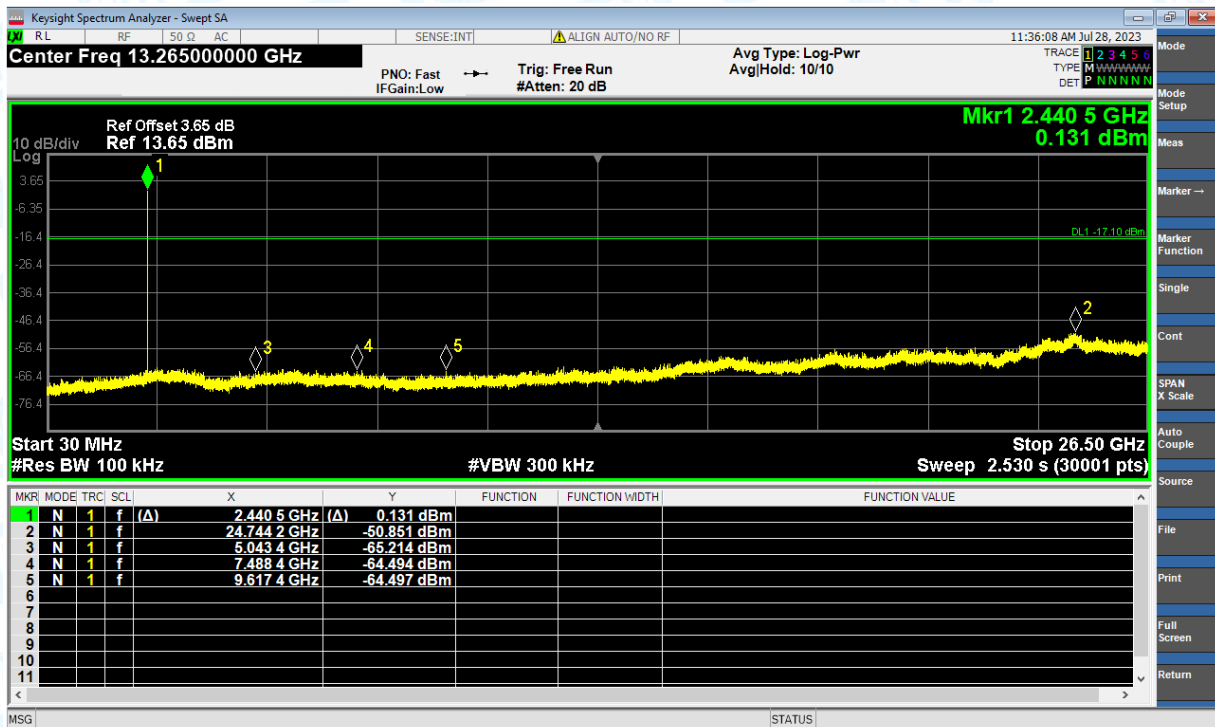
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



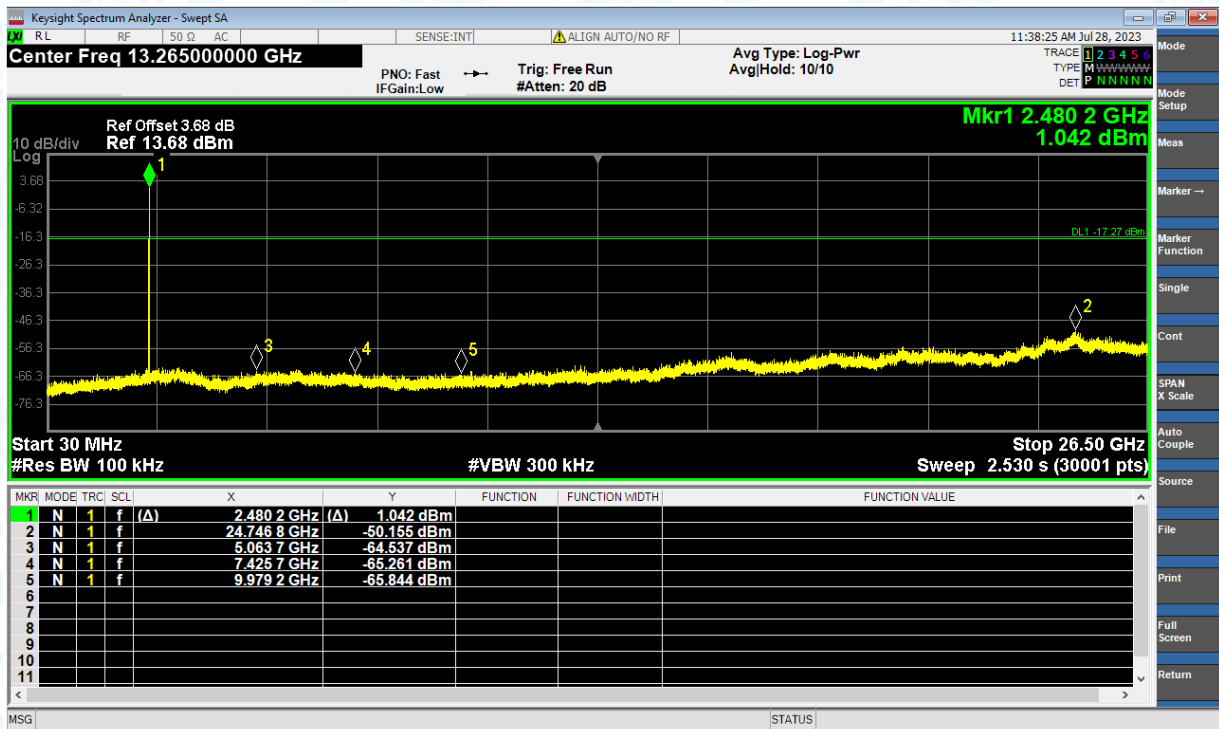
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

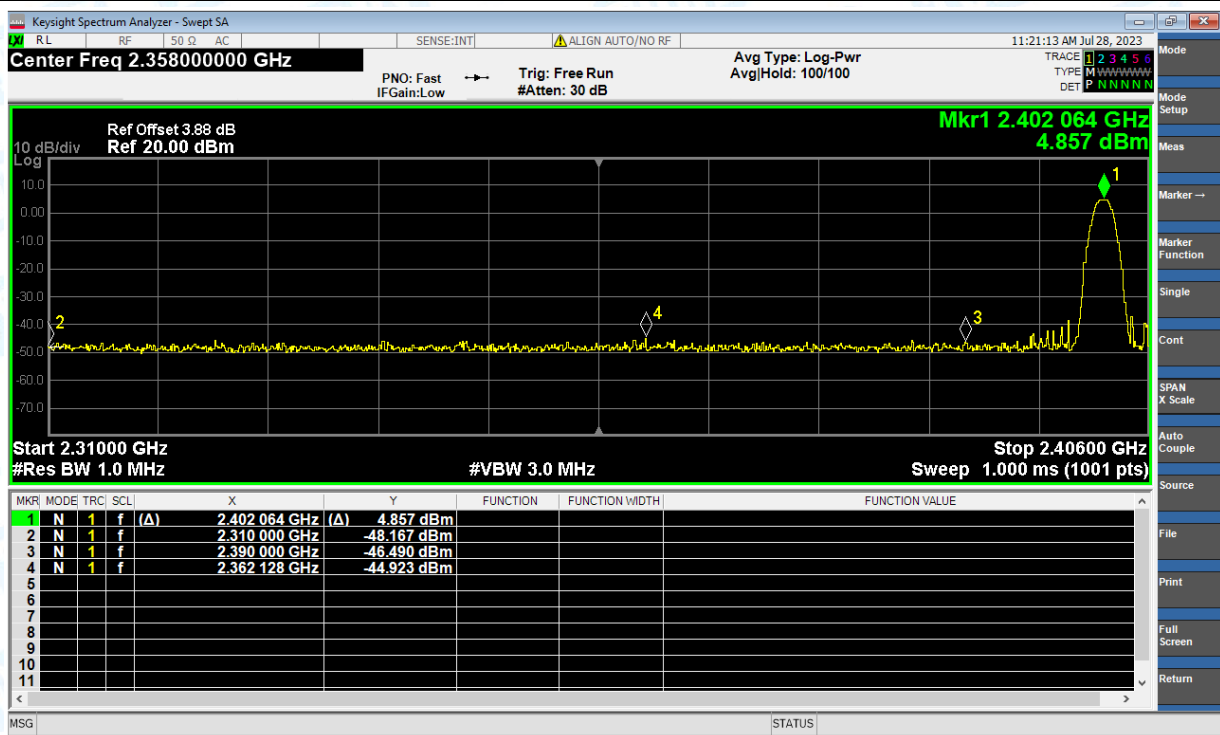


8. Restrict Band

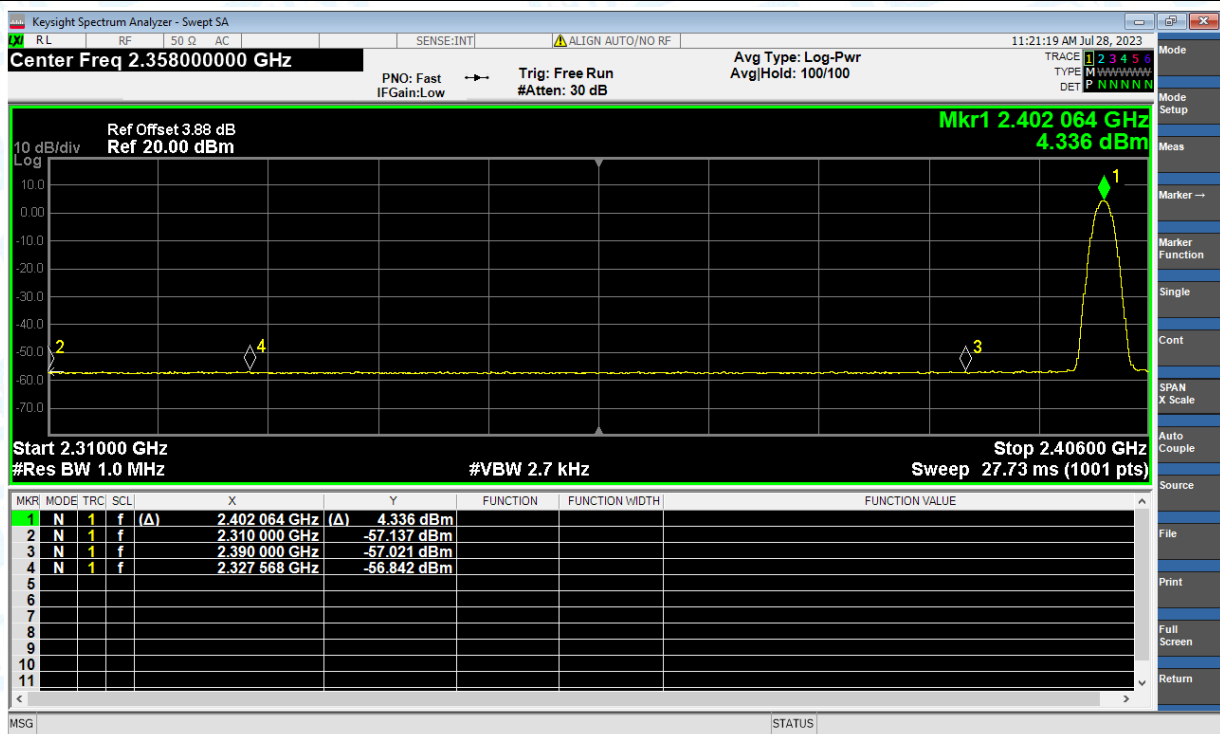
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-48.17	2	49.09	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-57.14	2	40.12	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2362.128	-44.92	2	52.34	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2327.568	-56.84	2	40.42	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-46.76	2	50.5	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-57.13	2	40.13	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-48.25	2	49.01	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-56.75	2	40.51	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2484.76	-38.11	2	59.15	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.656	-56.43	2	40.83	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-48.88	2	48.38	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-57.1	2	40.16	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-47.56	2	49.7	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-57.26	2	40	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2386.512	-44.71	2	52.55	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2363.952	-56.6	2	40.66	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-47.84	2	49.42	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-57.19	2	40.07	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-45.46	2	51.8	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-56.31	2	40.95	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2485.264	-44.99	2	52.27	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.584	-56.1	2	41.16	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-48.18	2	49.08	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-56.77	2	40.49	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-48.69	2	48.57	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-57.23	2	40.03	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2335.056	-44.61	2	52.65	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2336.4	-56.73	2	40.53	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-46.58	2	50.68	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-57.16	2	40.1	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-47.58	2	49.68	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-56.06	2	41.2	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.608	-37.14	2	60.12	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.776	-56.02	2	41.24	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-47.57	2	49.69	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-57.05	2	40.21	Average	54	Pass

Test Graphs

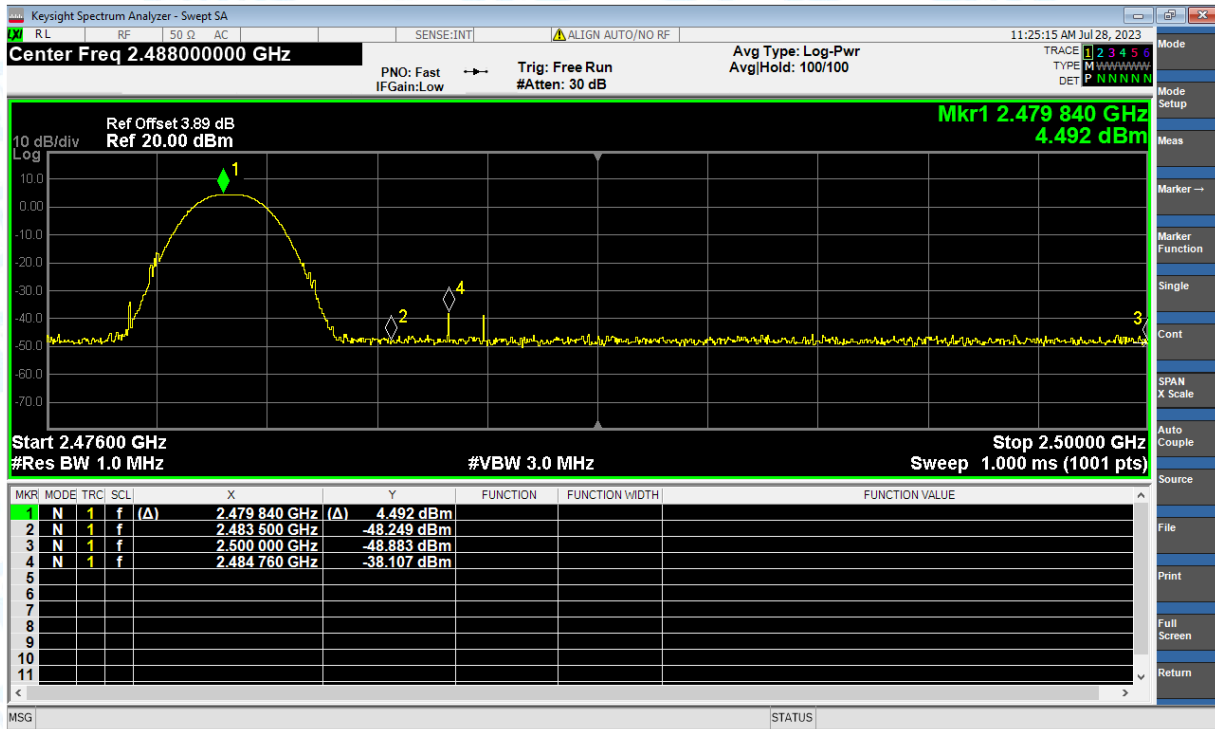
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



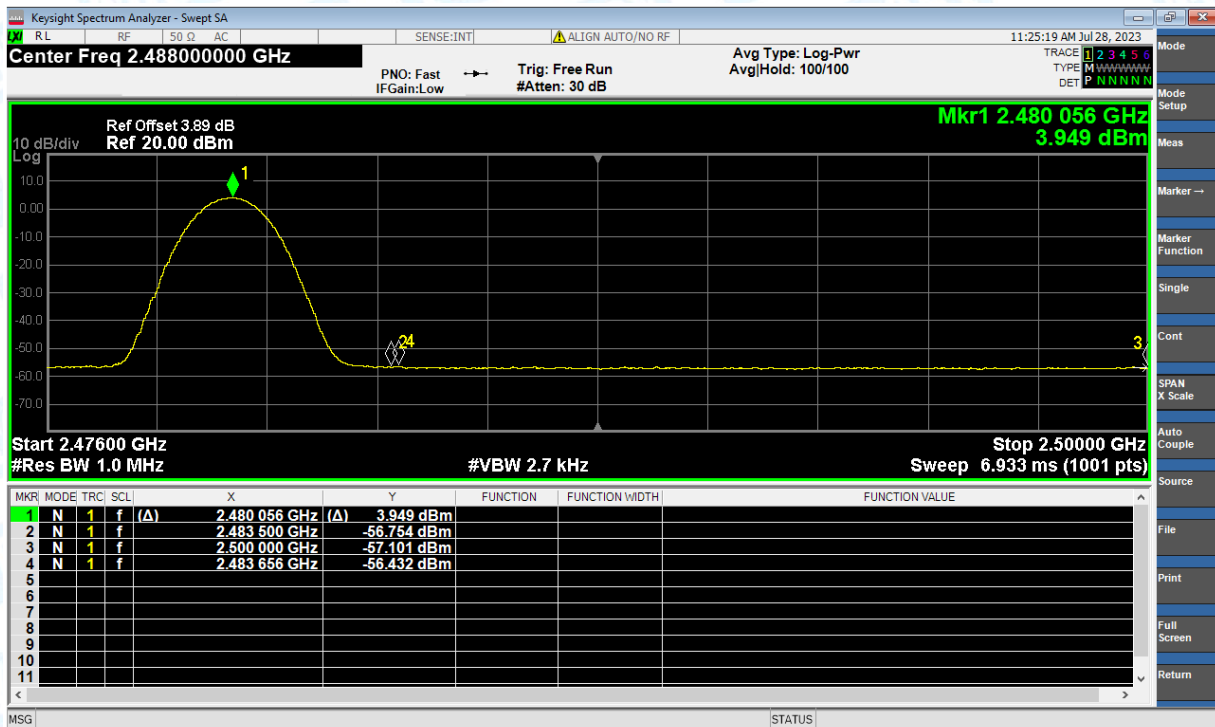
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



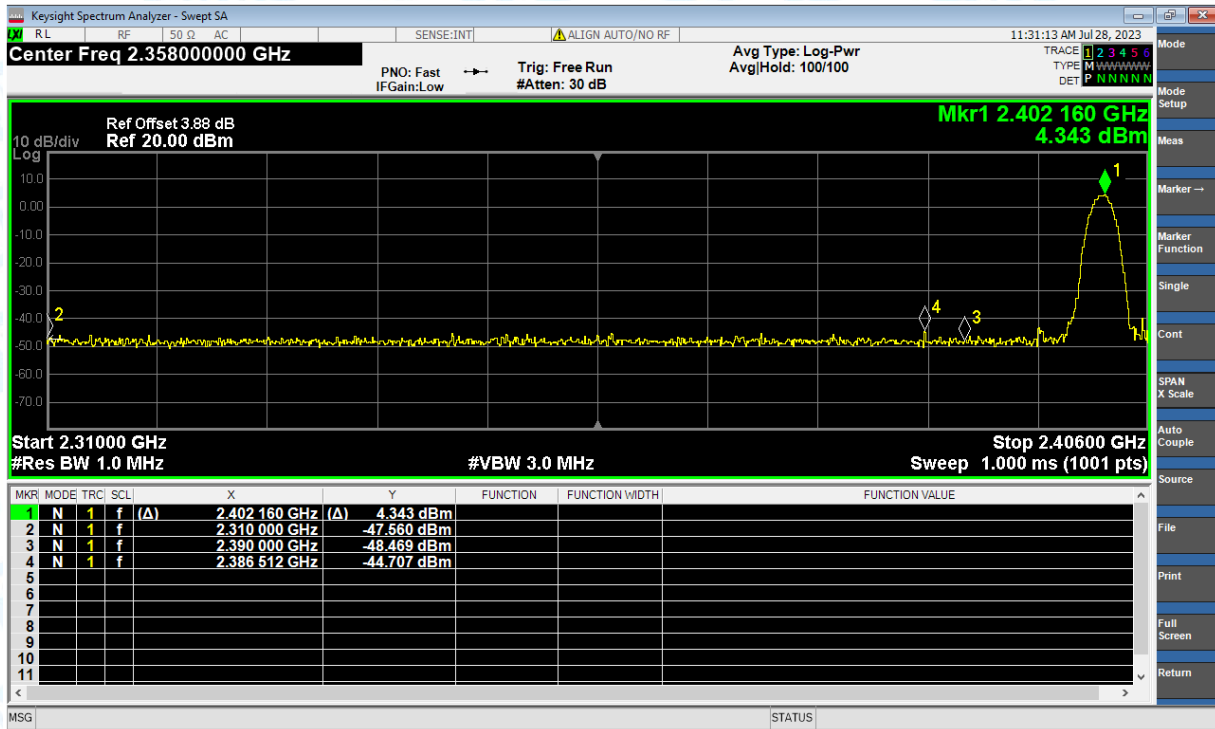
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



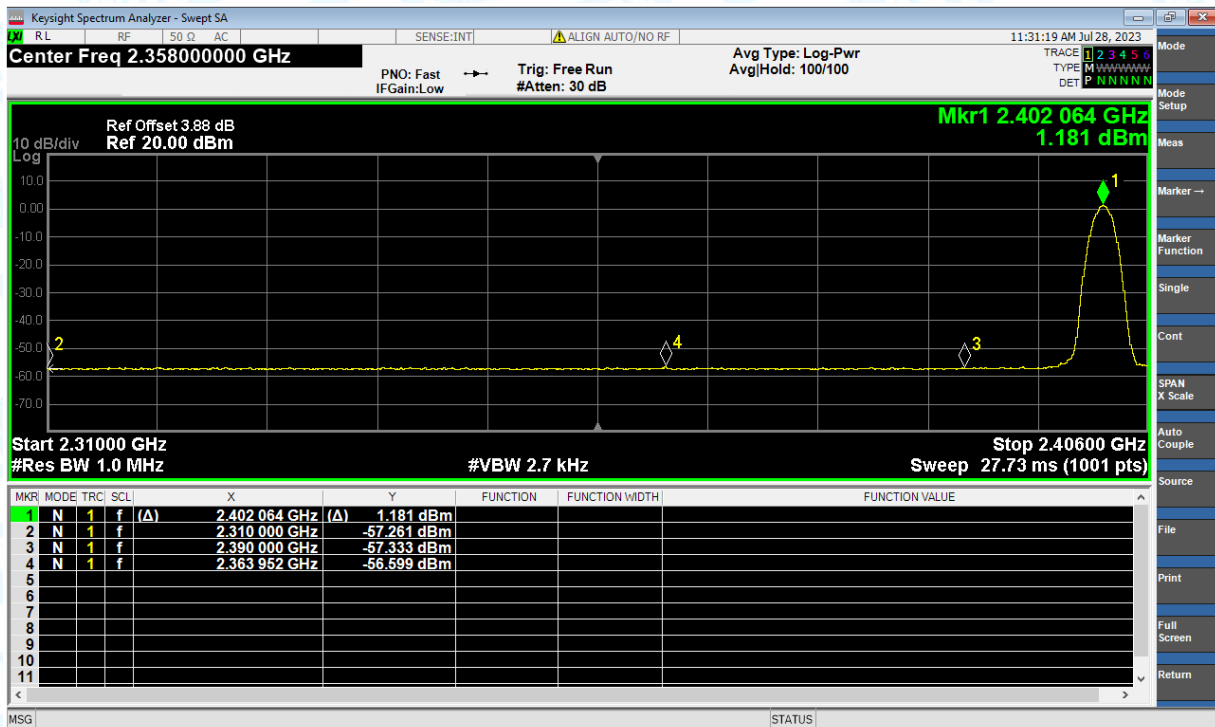
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



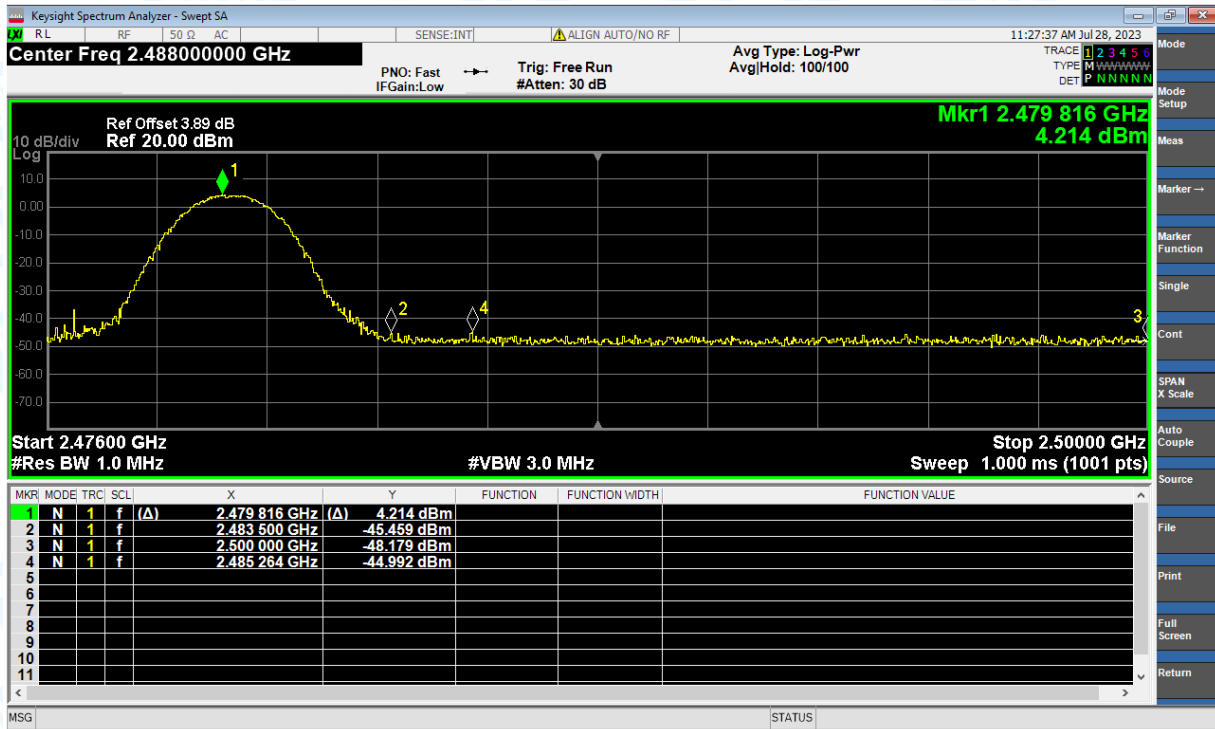
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



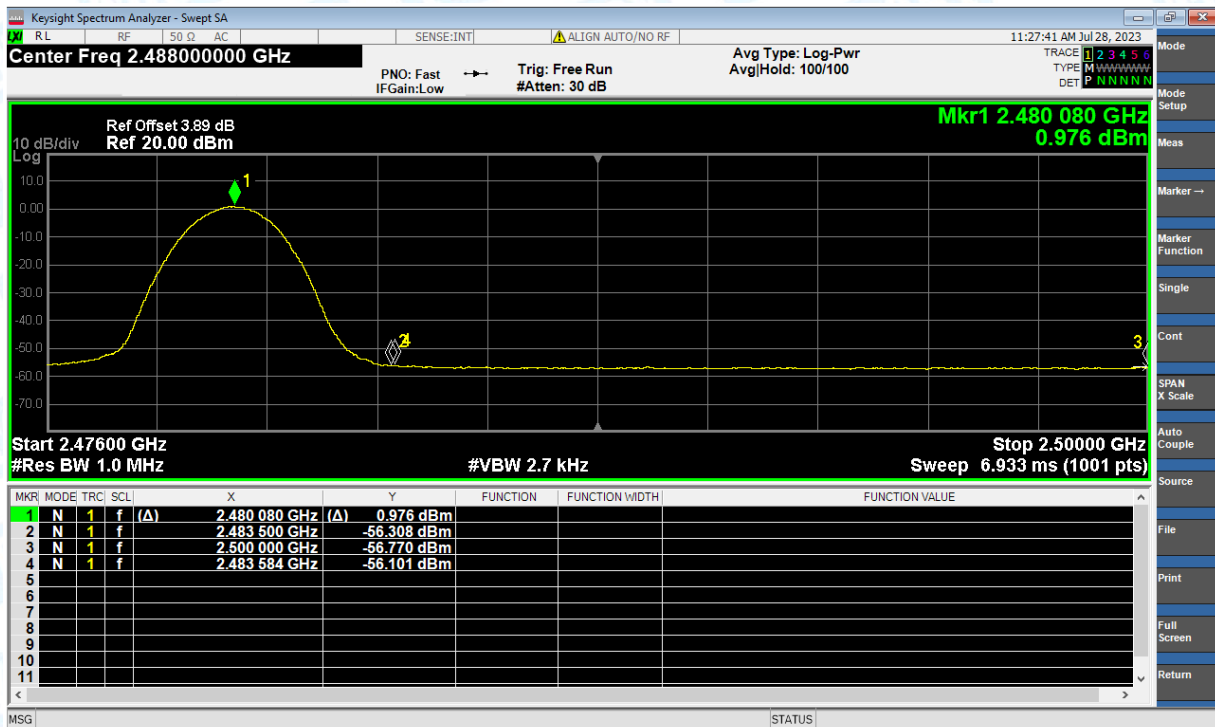
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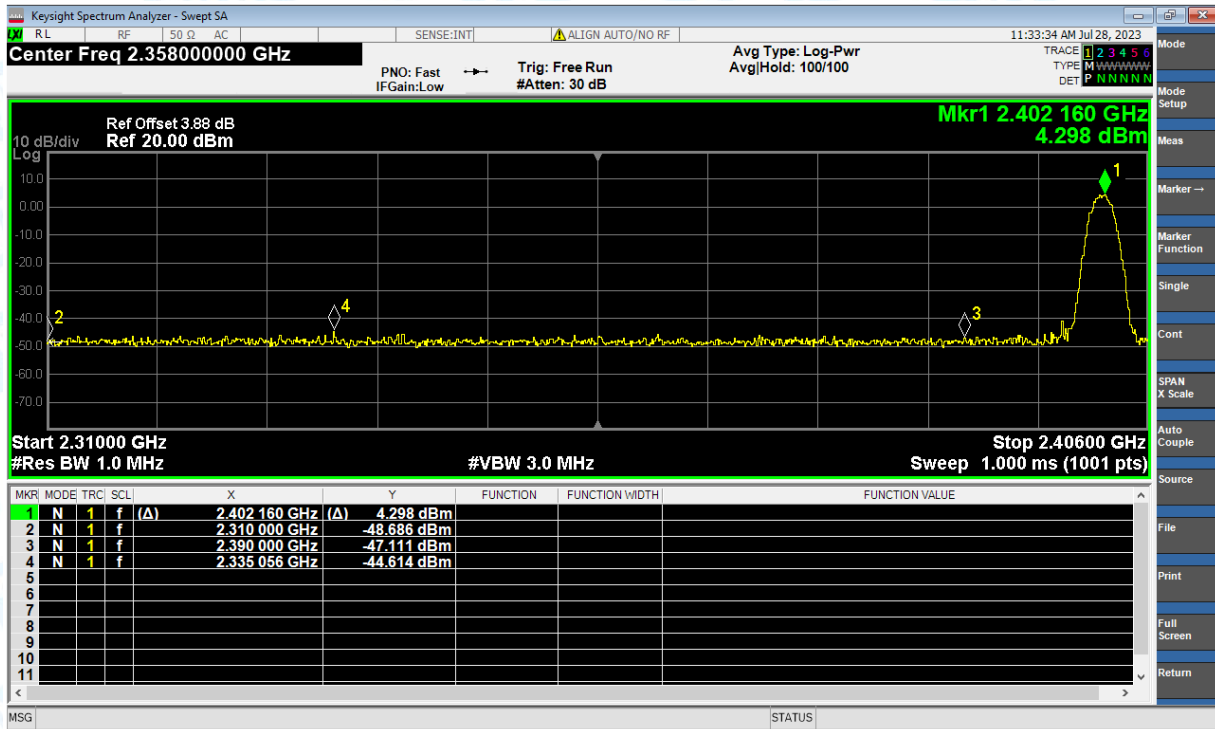
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



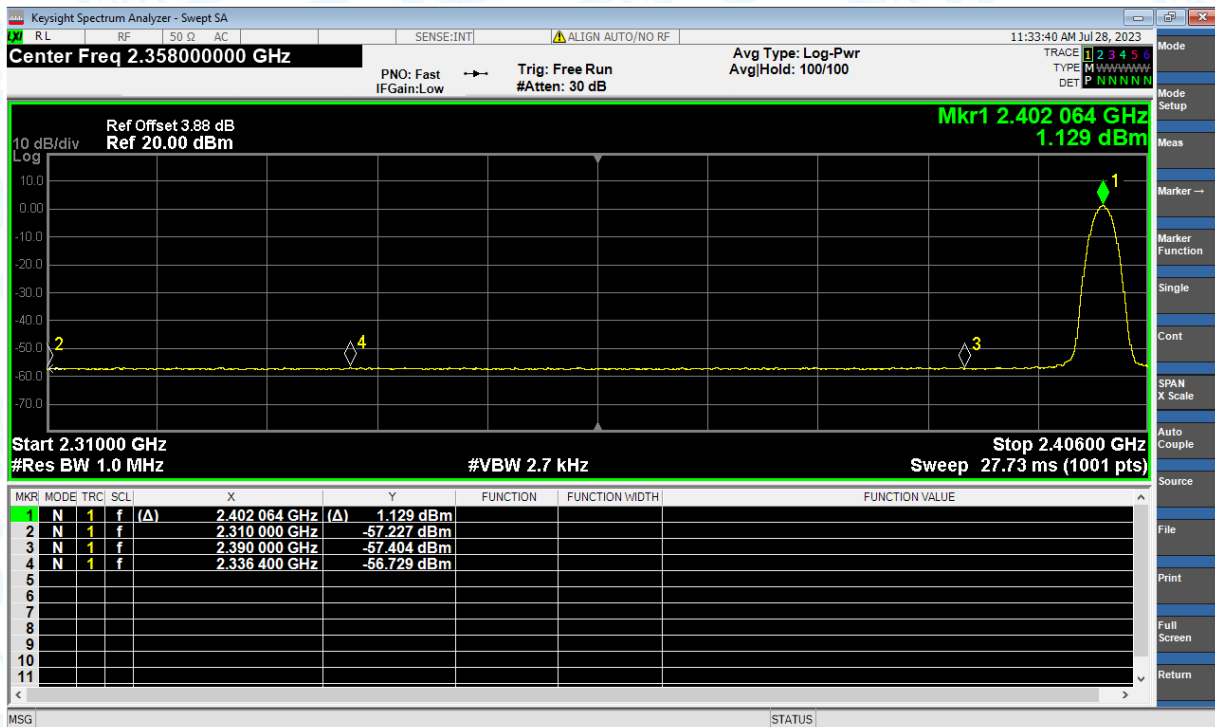
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



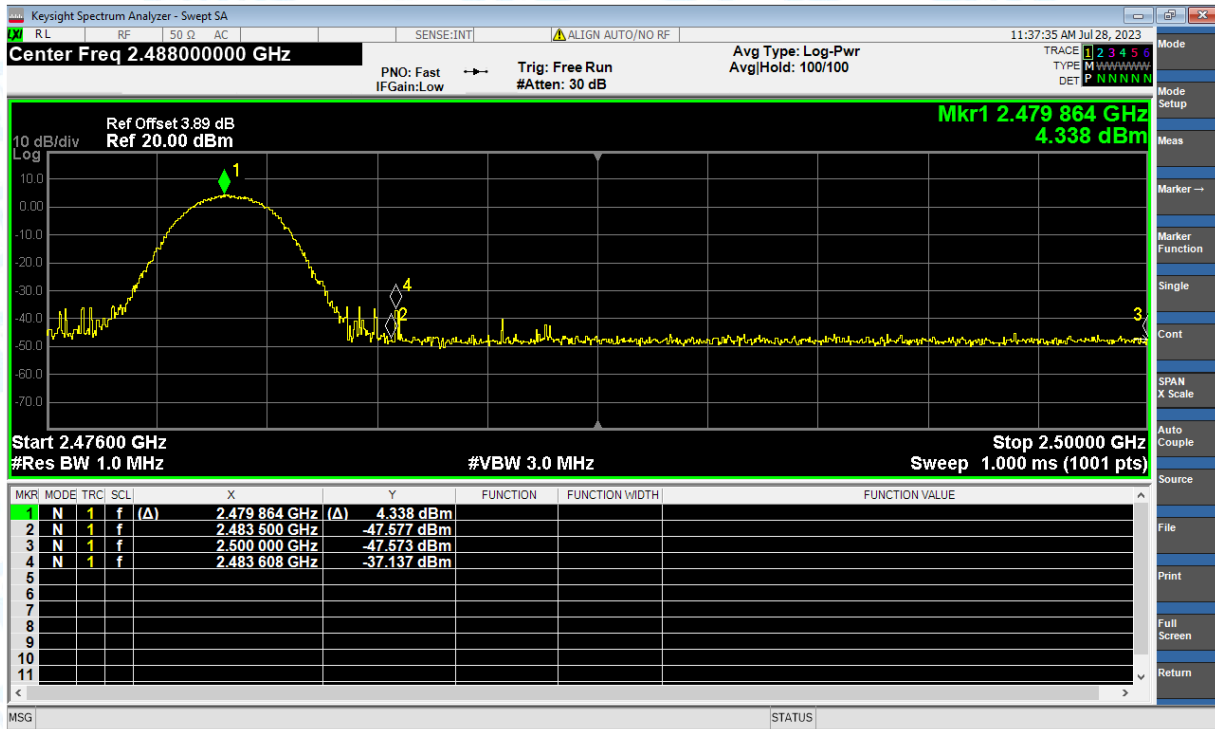
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



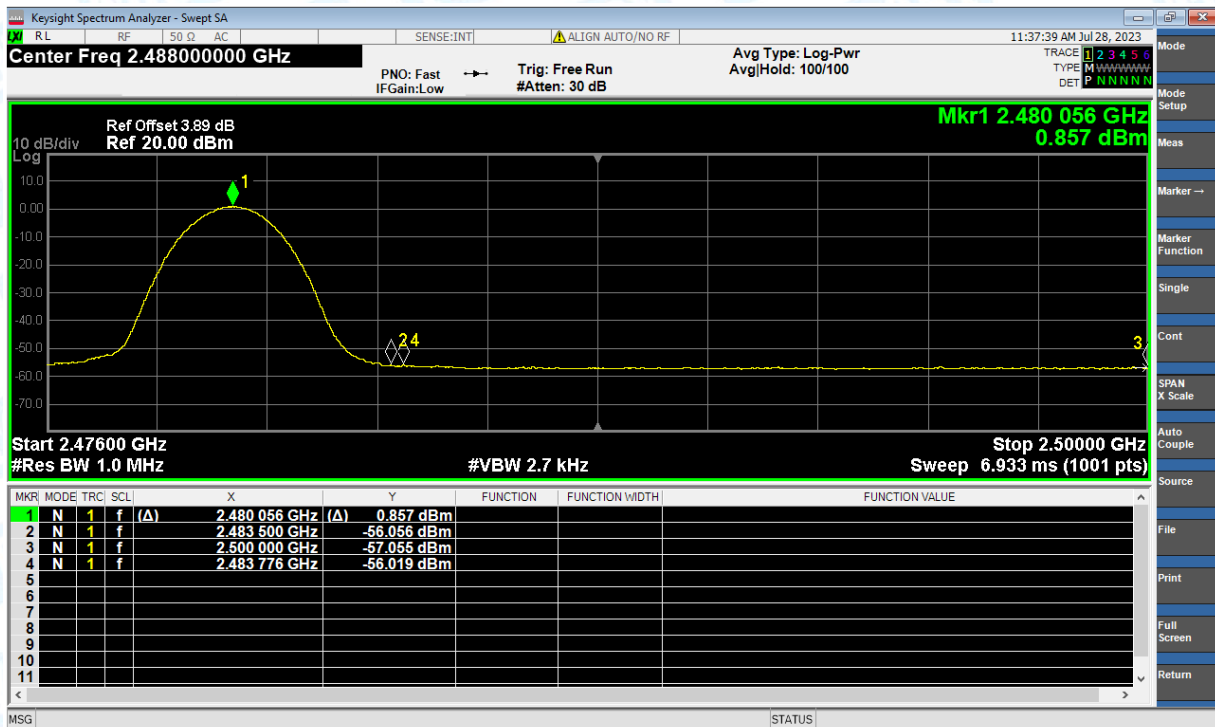
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

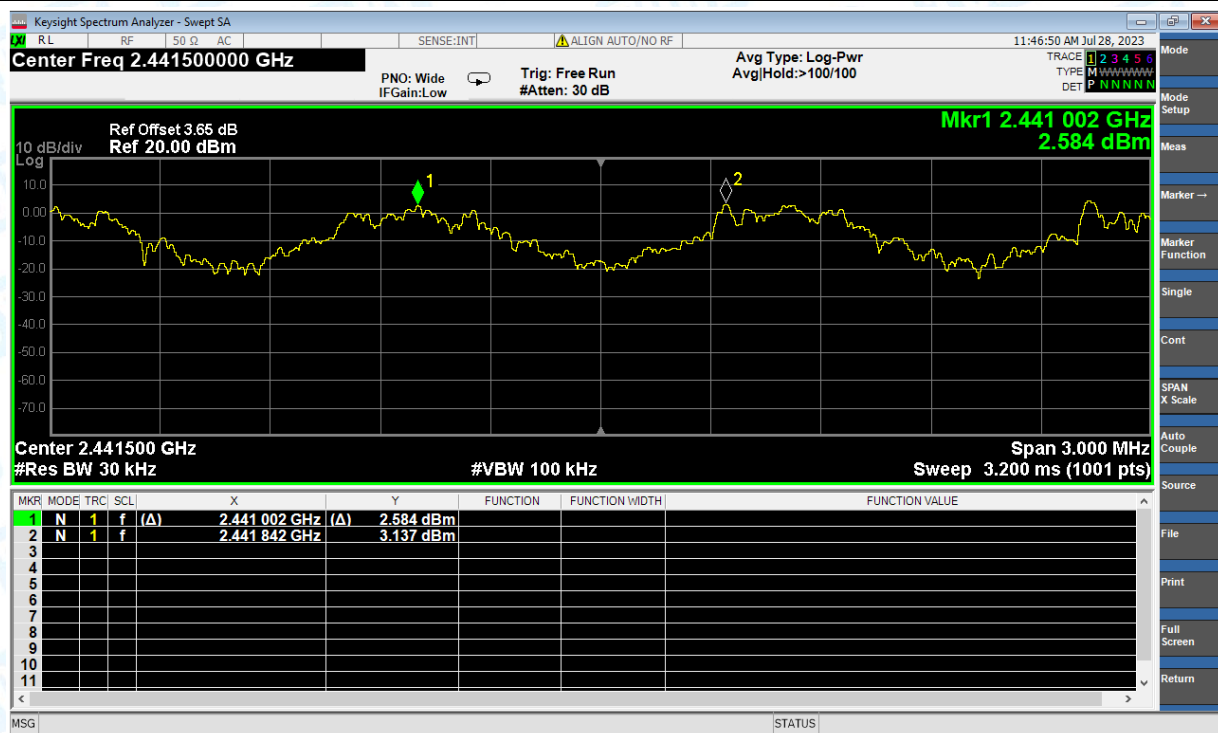


9. Carrier Frequencies Separation

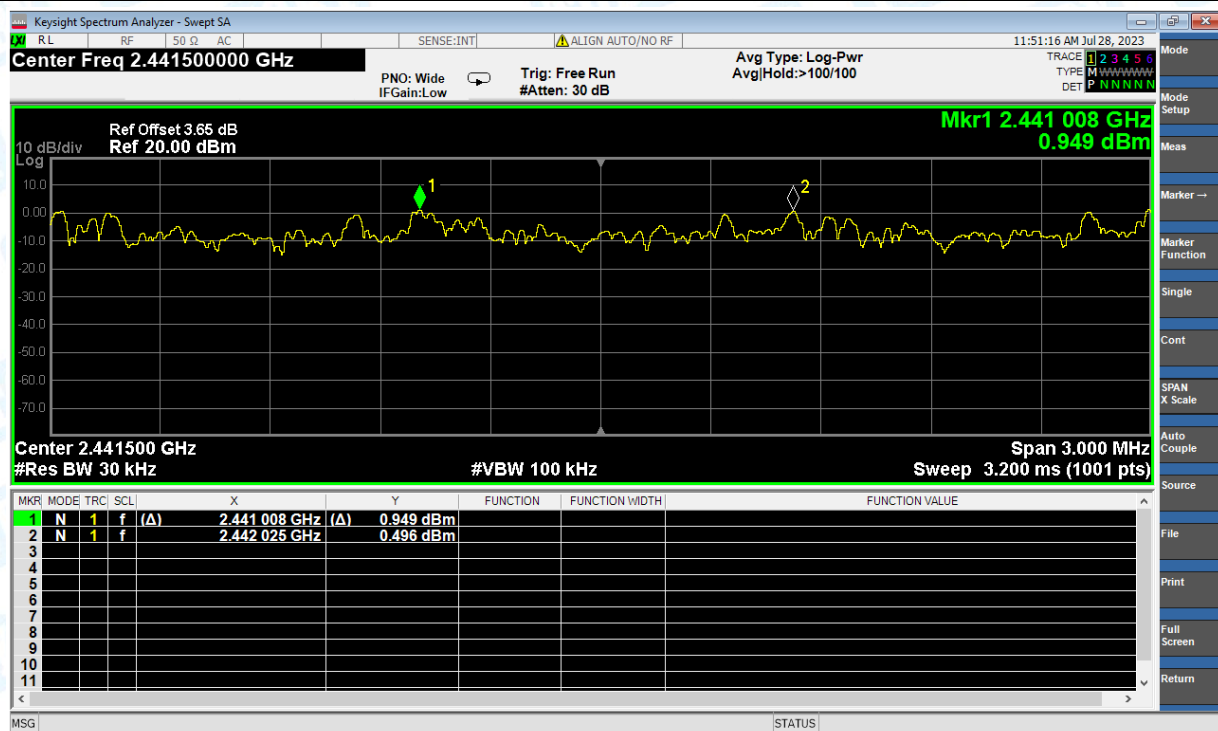
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.002	2441.842	0.84	0.587	Pass
NVNT	2-DH1	Ant1	2441.008	2442.025	1.017	0.833	Pass
NVNT	3-DH1	Ant1	2441.011	2442.025	1.014	0.833	Pass

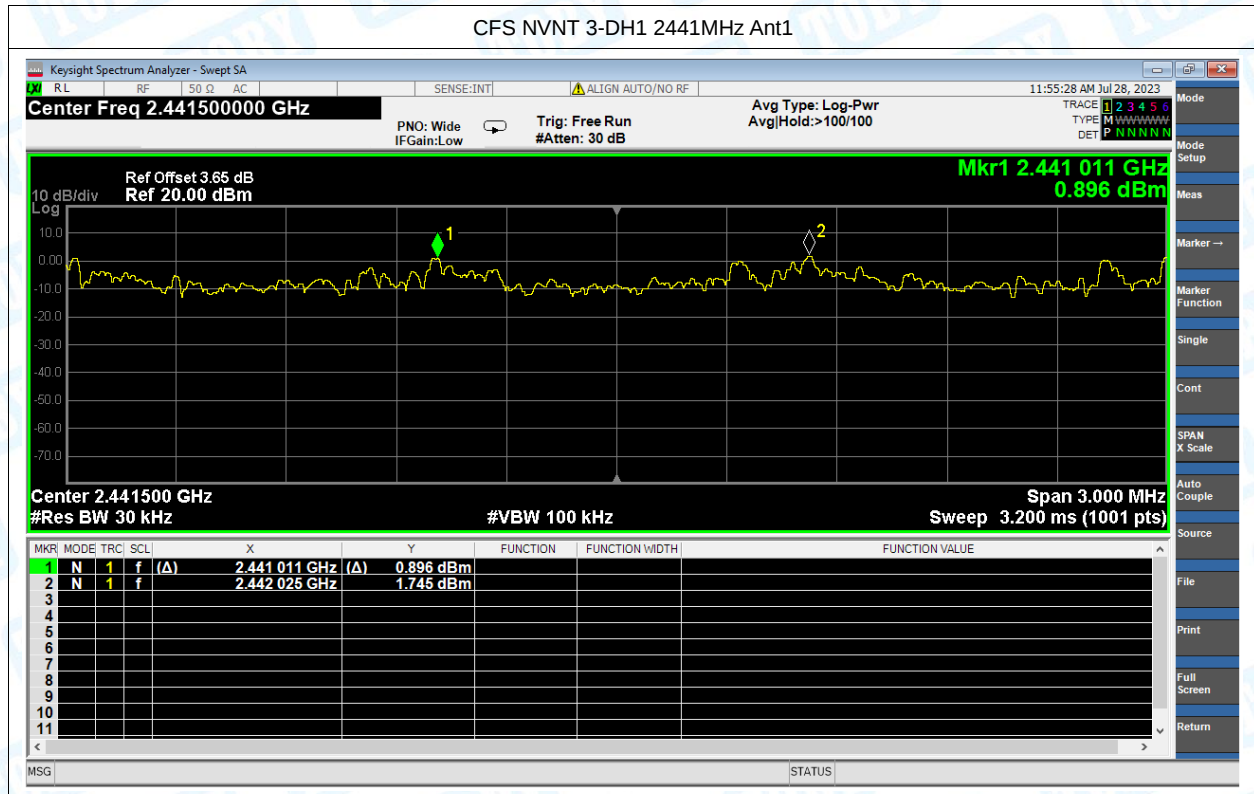
Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



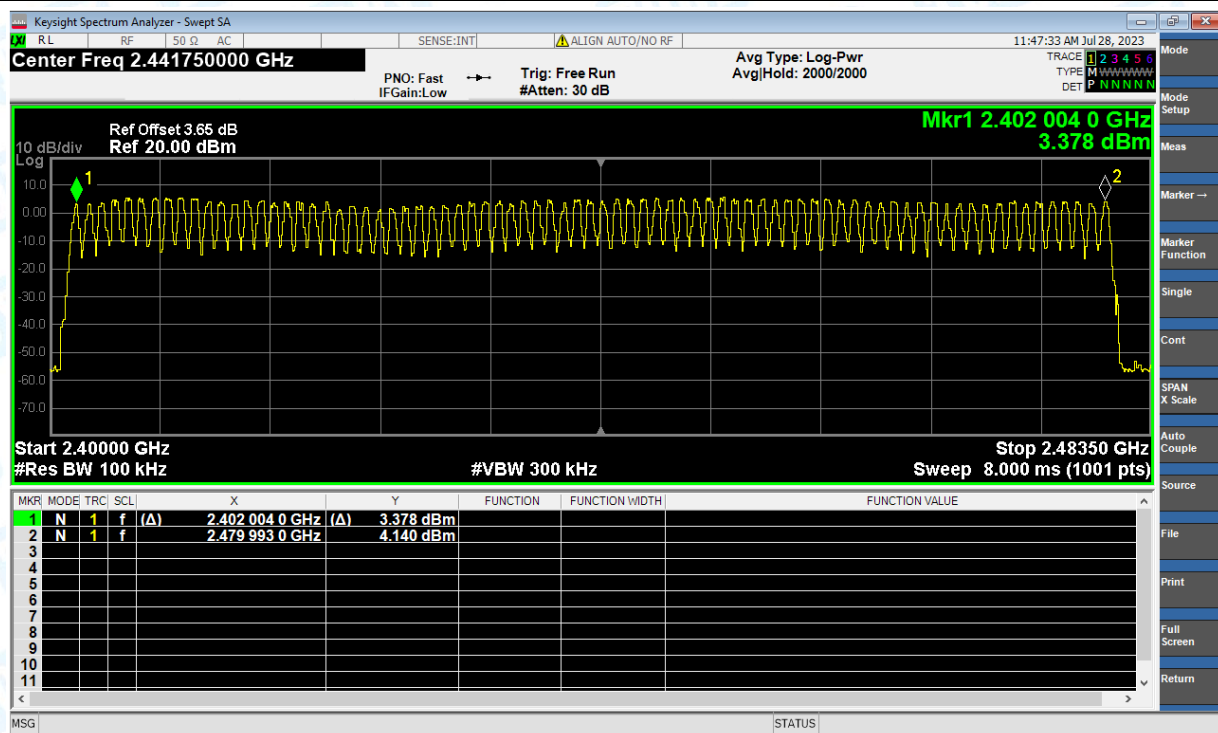


10. Number of Hopping Channel

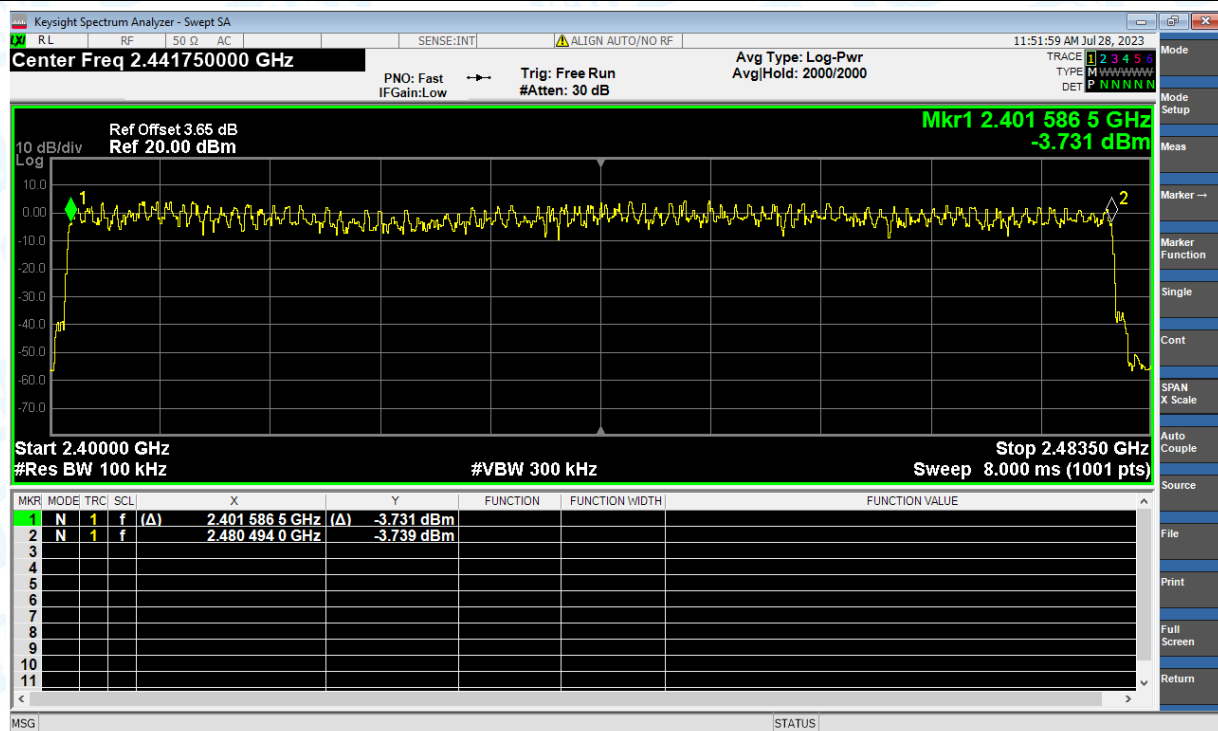
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

Test Graphs

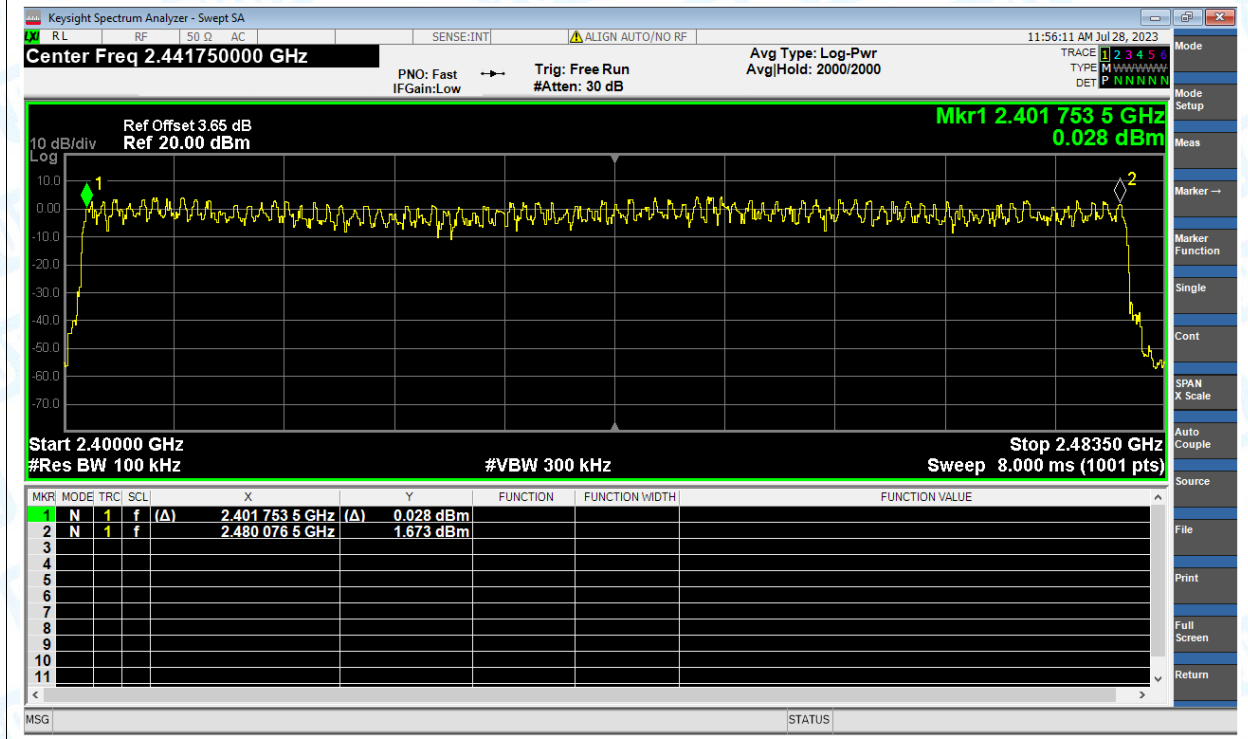
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1

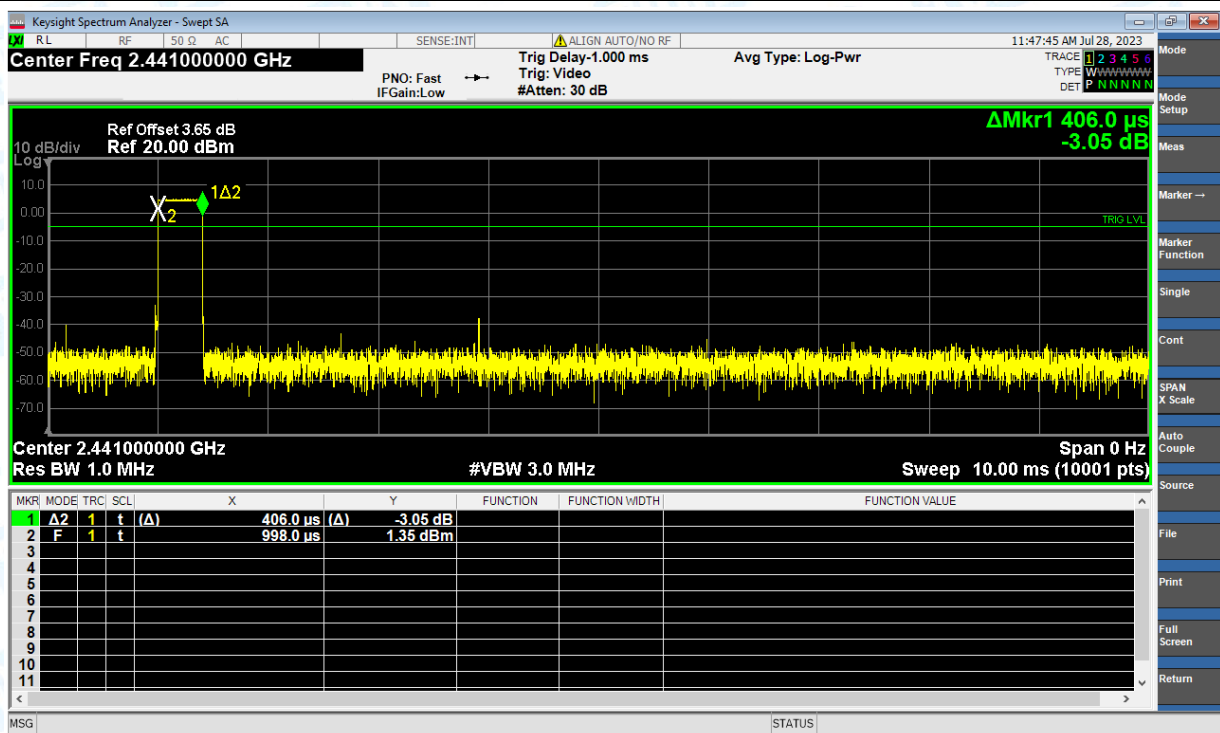


11. Dwell Time

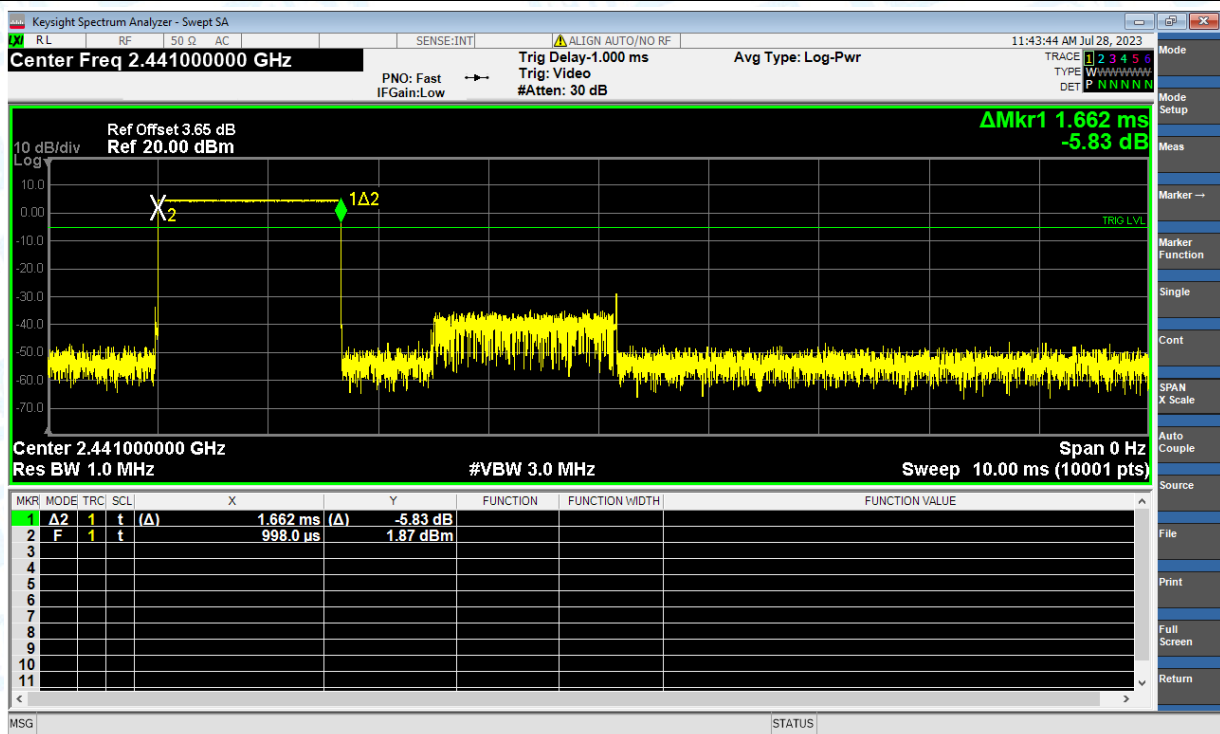
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.406	129.92	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.662	265.92	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.91	310.4	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.398	127.36	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.65	264	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.899	309.227	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.396	126.72	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.646	263.36	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.897	309.013	31600	400	Pass

Test Graphs

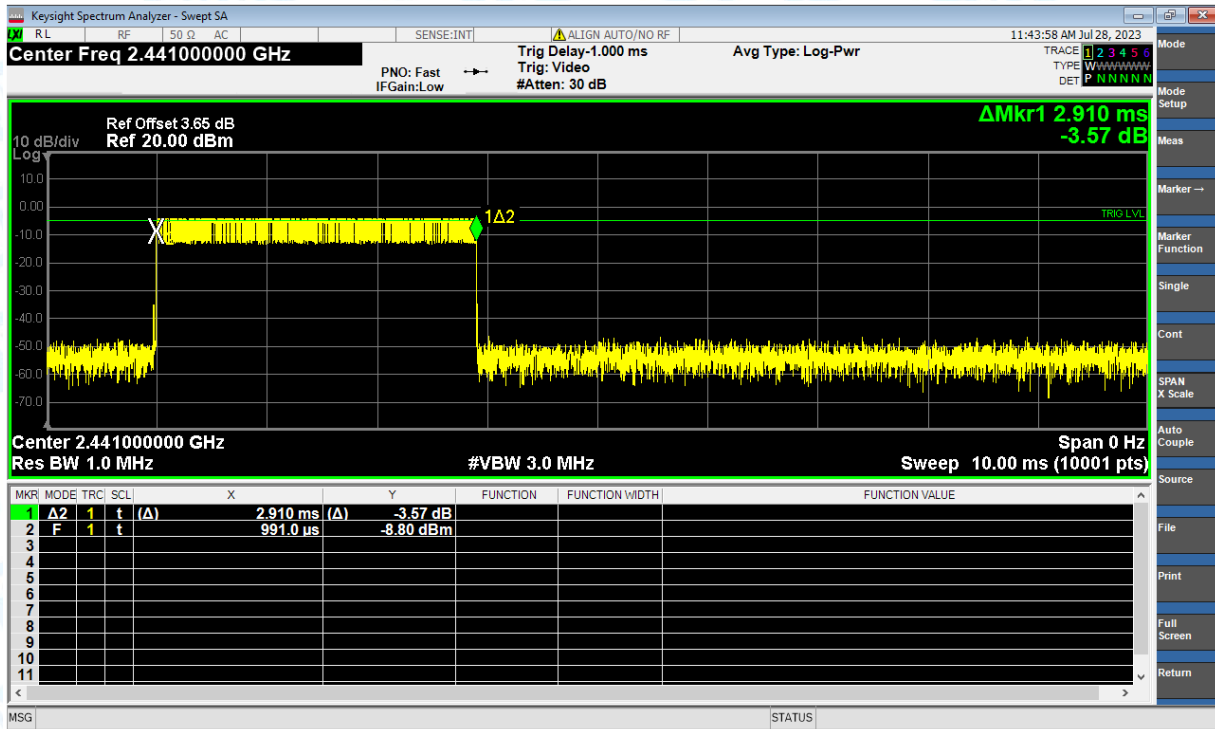
Dwell NVNT 1-DH1 2441MHz Ant1



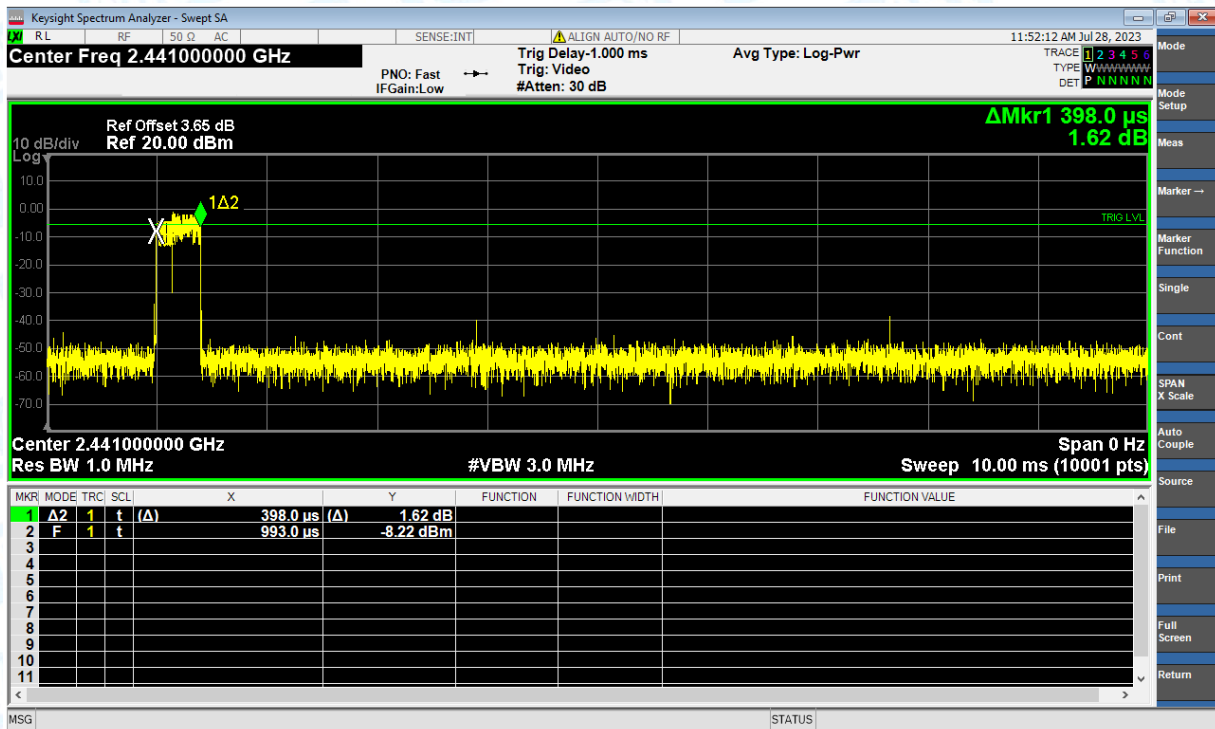
Dwell NVNT 1-DH3 2441MHz Ant1



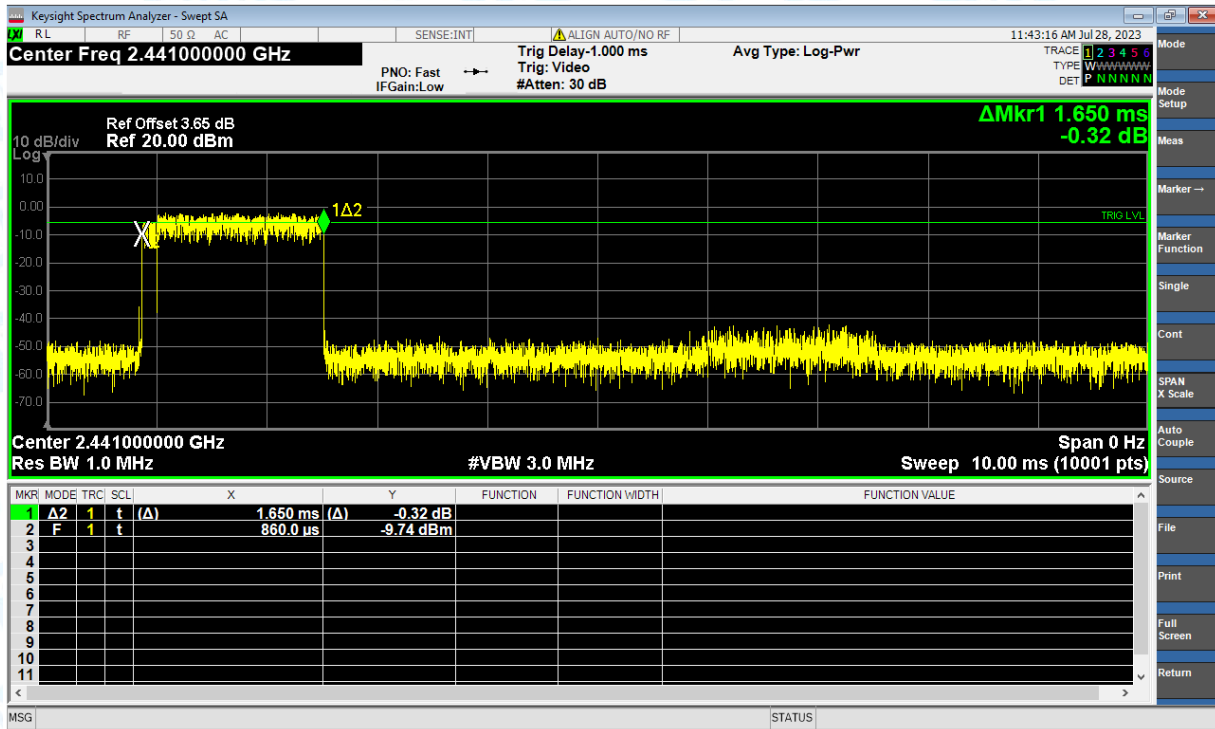
Dwell NVNT 1-DH5 2441MHz Ant1



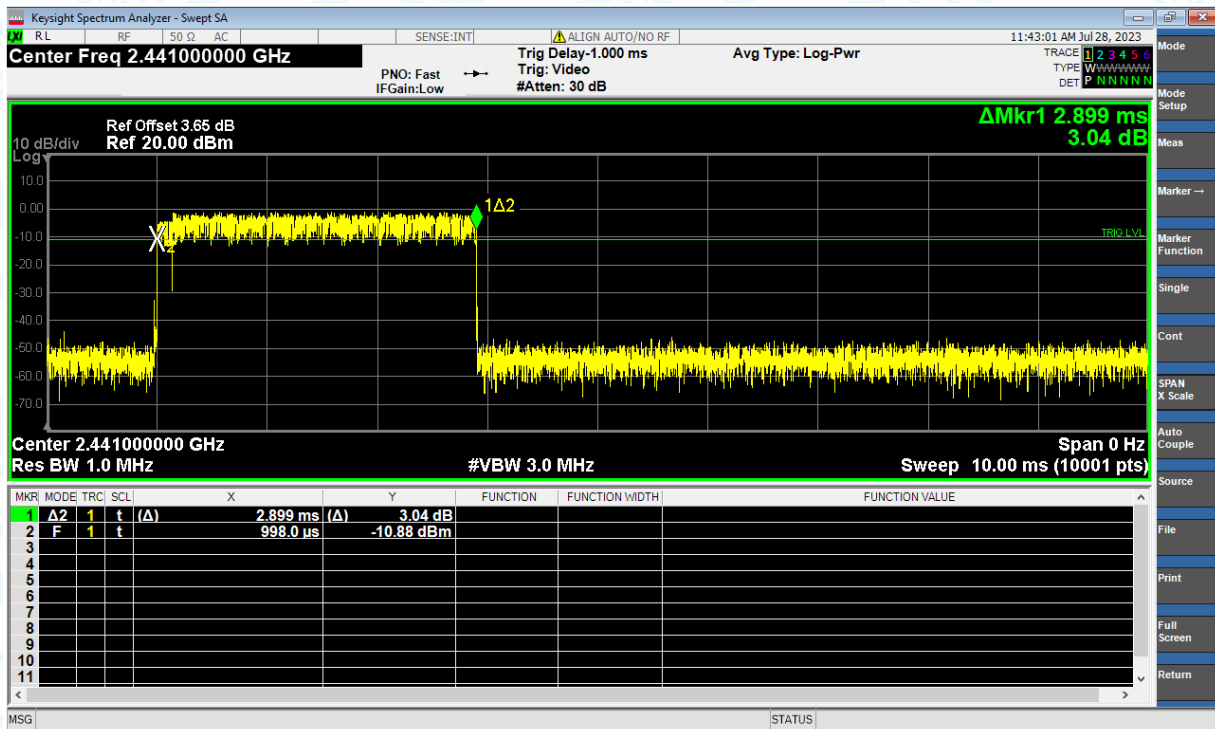
Dwell NVNT 2-DH1 2441MHz Ant1



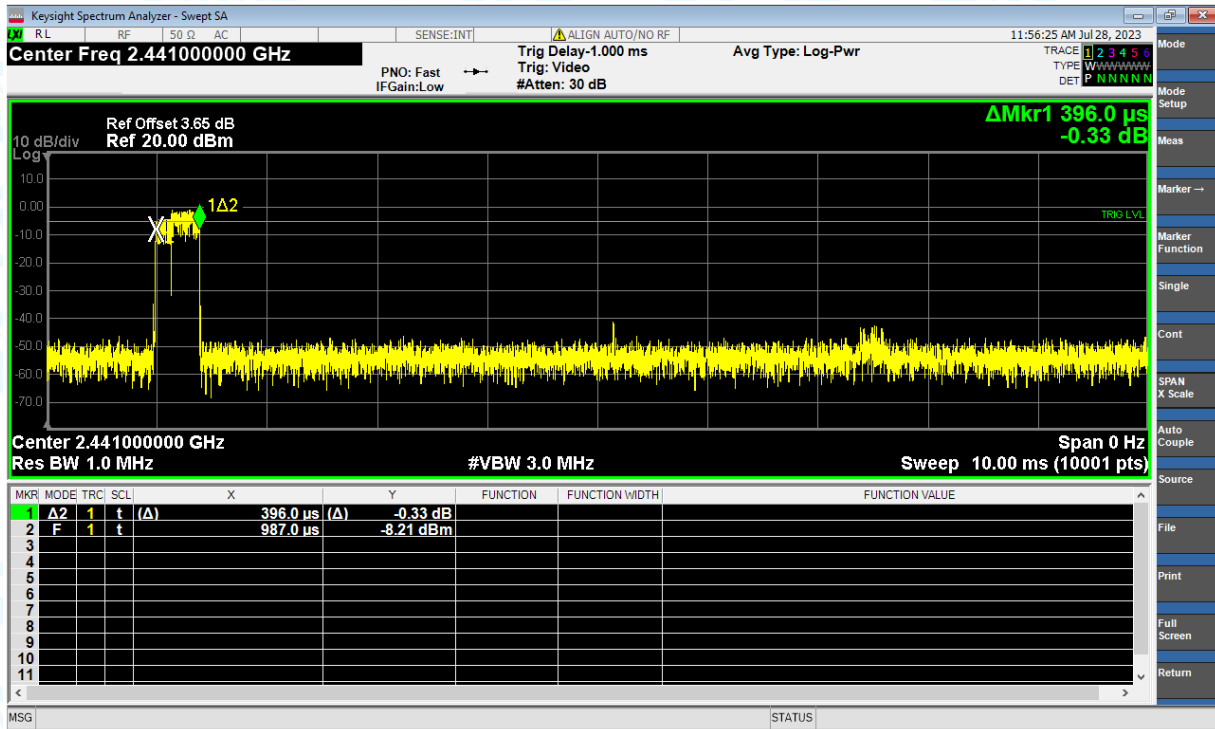
Dwell NVNT 2-DH3 2441MHz Ant1



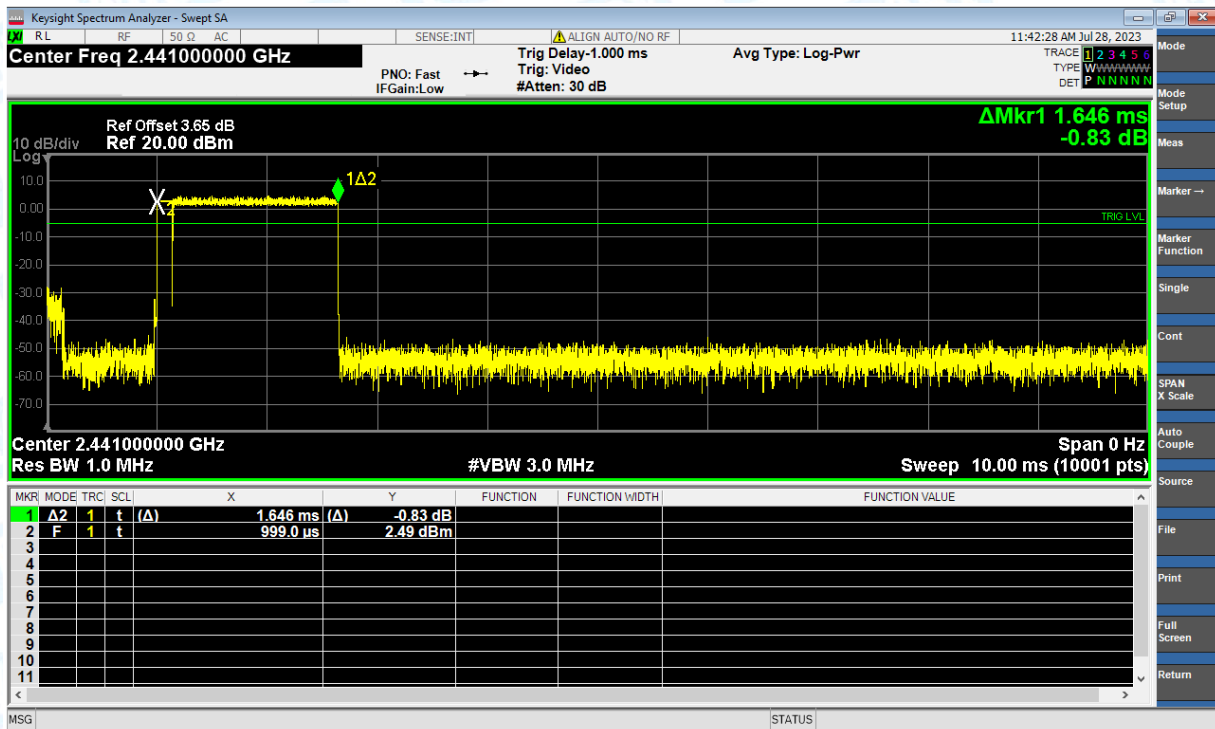
Dwell NVNT 2-DH5 2441MHz Ant1

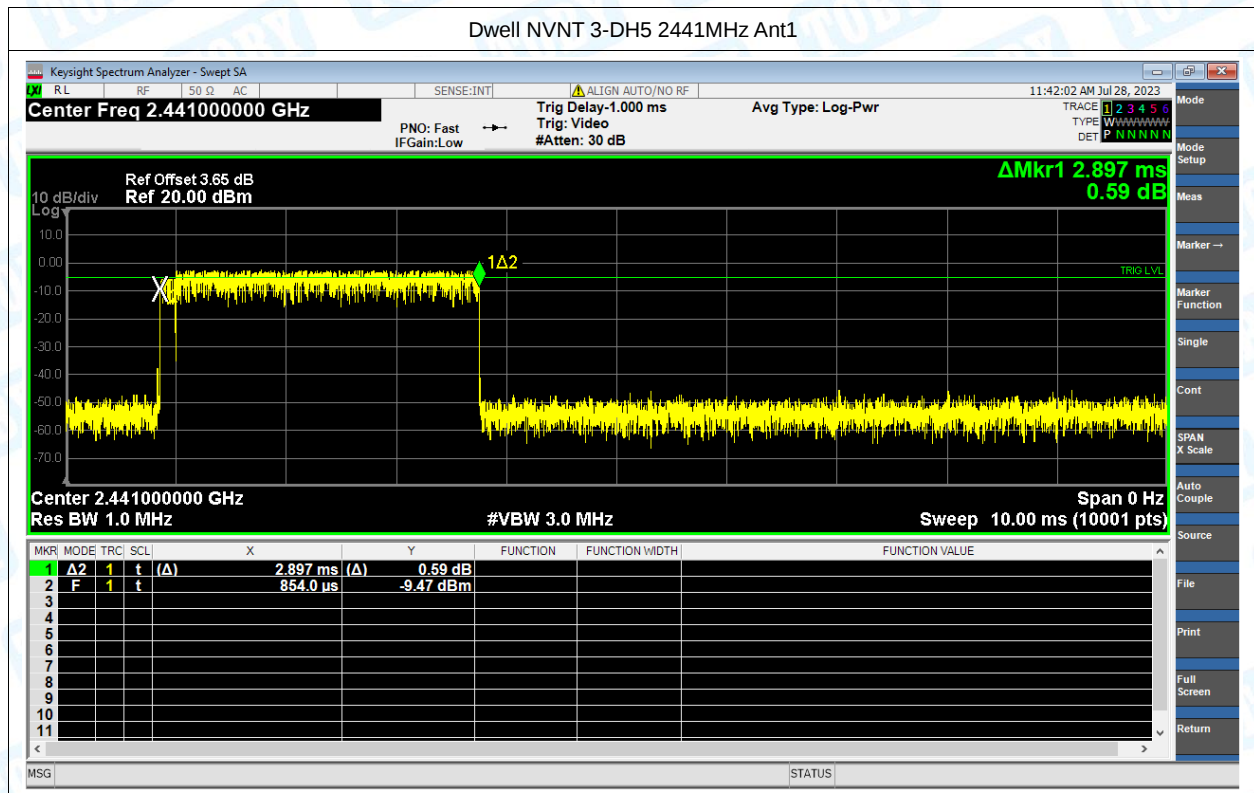


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





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