

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

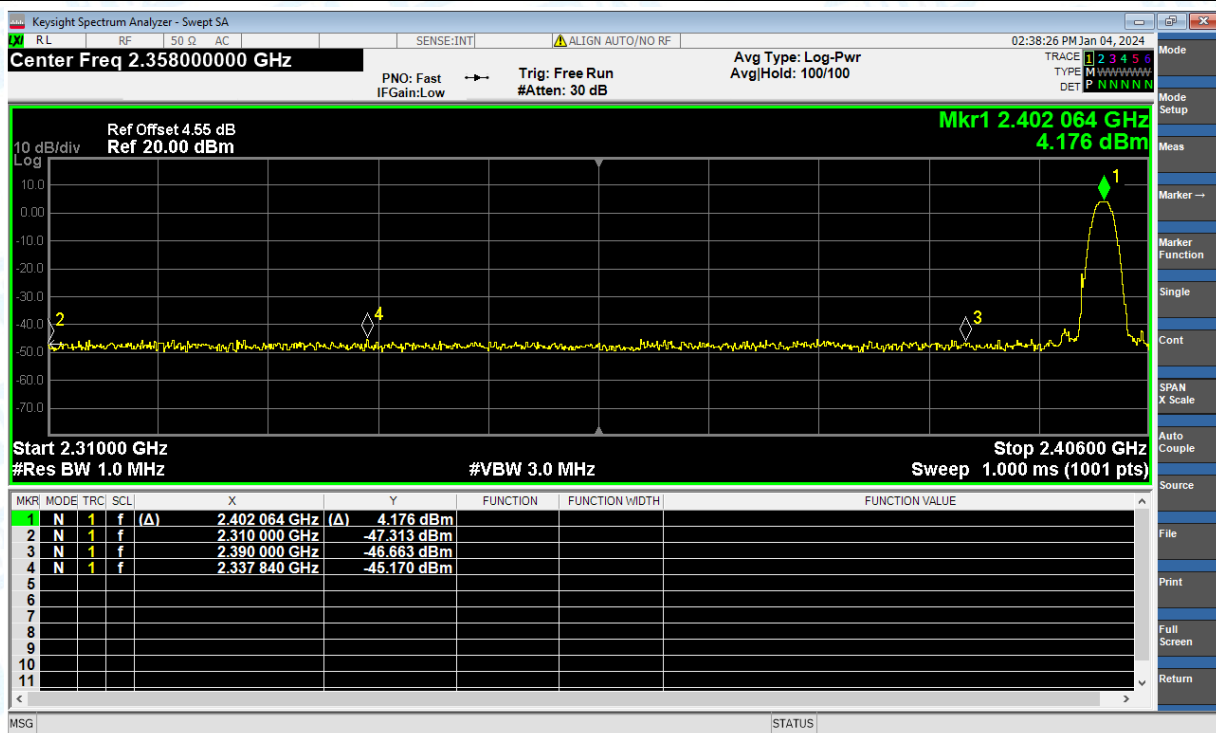
General Description of EUT	
Product Name:	Virtual Reality Glasses
Test Model:	SC-G04BS
Sample ID:	202312-0289-2-2#
Environmental Conditions	
Temperature:	Virtual Reality Glasses
Relative Humidity:	24℃
Test Voltage:	50%
Test Engineer:	DC 3.7V
Note: For a more detailed features description, please refer to the report TBR-C-202312-0289-3 The report only show the worst case data.	

Restrict Band

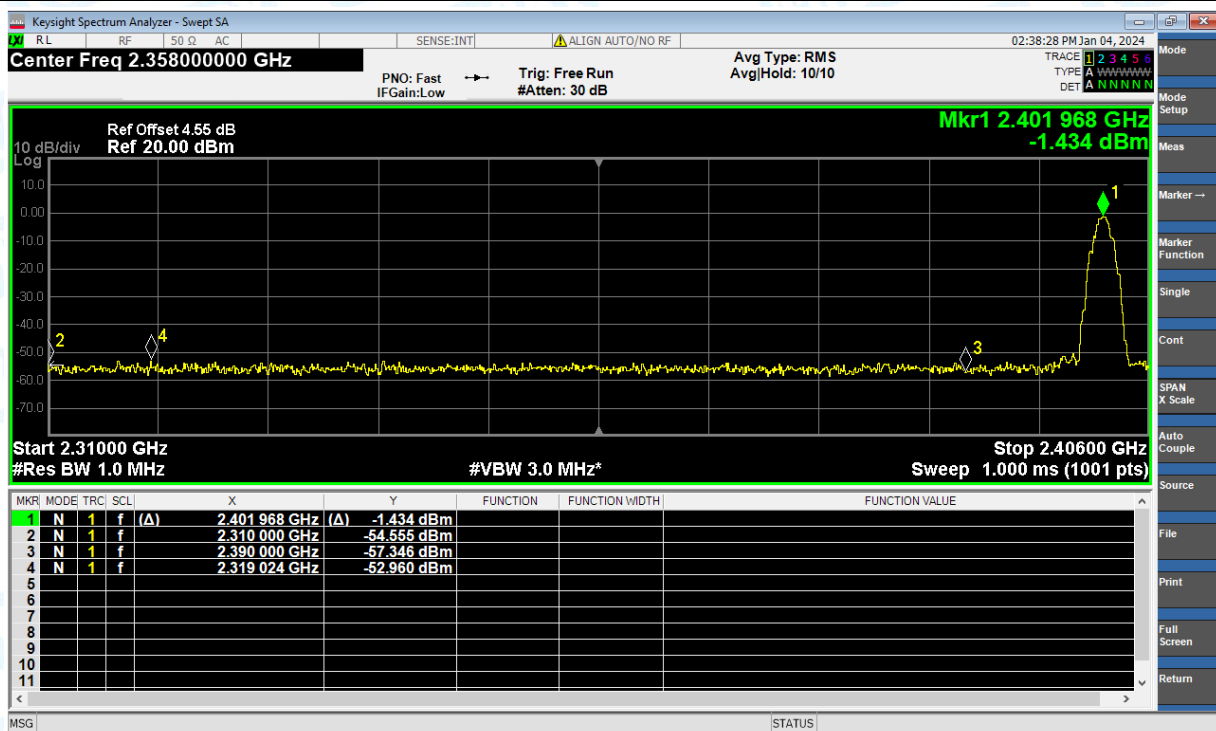
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-47.31	2	-	49.95	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-54.56	2	4.95	47.65	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2337.84	-45.17	2	-	52.09	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2319.024	-52.96	2	4.95	49.25	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-46.66	2	-	50.6	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-57.35	2	4.95	44.86	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-45.13	2	-	52.13	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-54.48	2	4.95	47.73	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2492.728	-44.03	2	-	53.23	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.944	-52.85	2	4.95	49.36	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-47.26	2	-	50	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-55.59	2	4.95	46.62	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-48.39	2	-	48.87	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-54.59	2	4.84	47.51	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2376.336	-44.35	2	-	52.91	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2377.872	-52.96	2	4.84	49.14	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-48.76	2	-	48.5	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-54.95	2	4.84	47.15	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-46.97	2	-	50.29	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-55.36	2	4.84	46.74	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.584	-41.65	2	-	55.61	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2486.44	-52.79	2	4.84	49.31	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-47.44	2	-	49.82	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-55.19	2	4.84	46.91	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-48.89	2	-	48.37	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-56.02	2	4.84	46.08	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2365.2	-44.28	2	-	52.98	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2351.088	-52.69	2	4.84	49.41	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-47.45	2	-	49.81	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-56.9	2	4.84	45.2	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-46.17	2	-	51.09	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-54.04	2	4.84	48.06	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.8	-38.7	2	-	58.56	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2497.792	-52.78	2	4.84	49.32	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-47.9	2	-	49.36	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-54.01	2	4.84	48.09	Average	54	Pass

Test Graphs

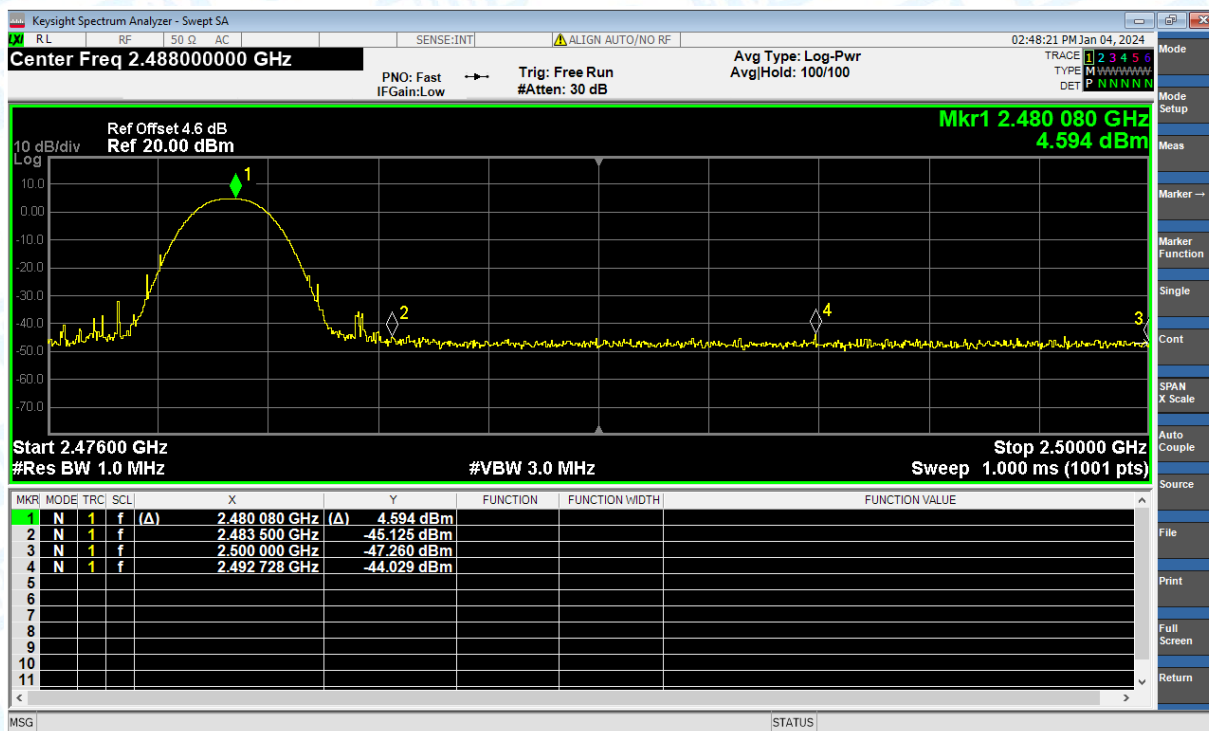
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



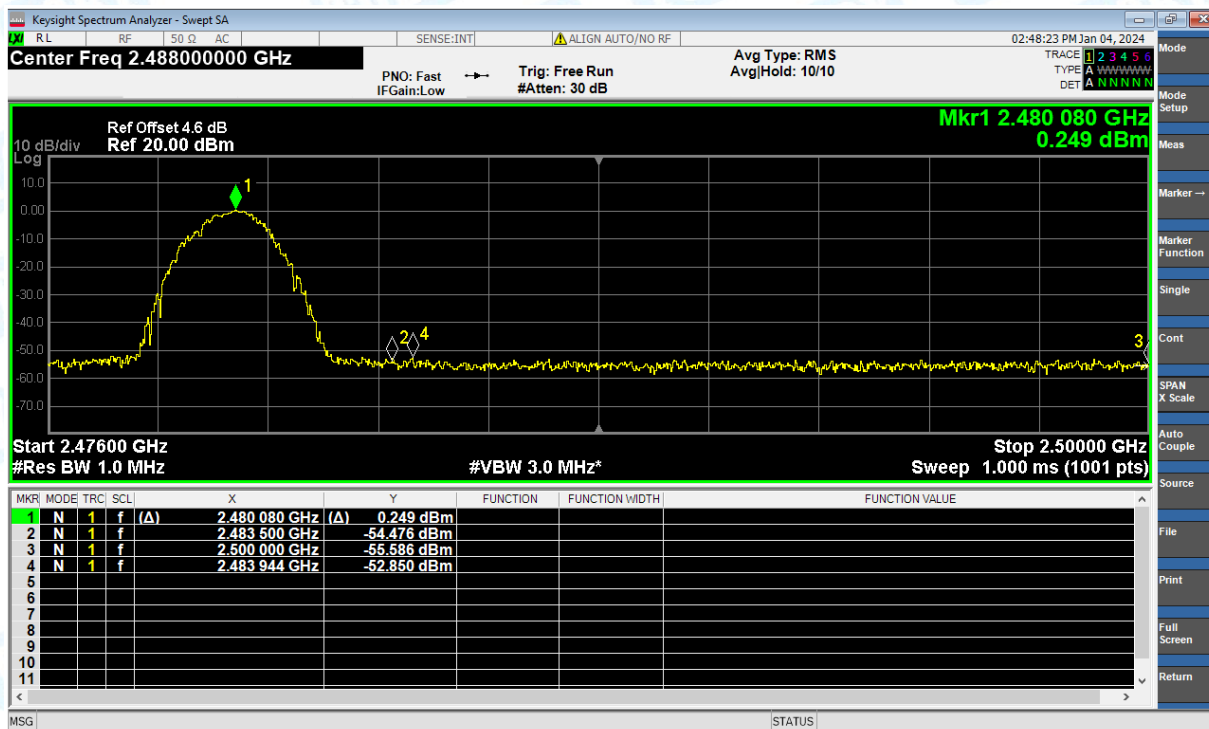
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



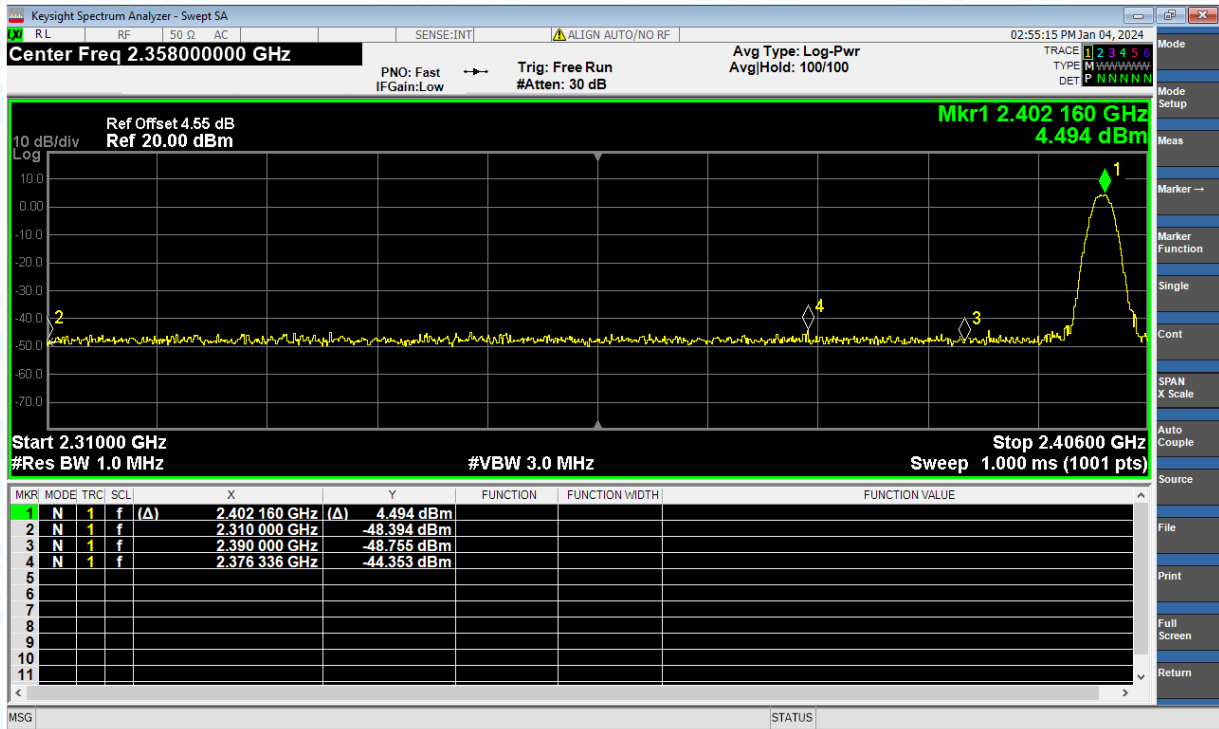
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



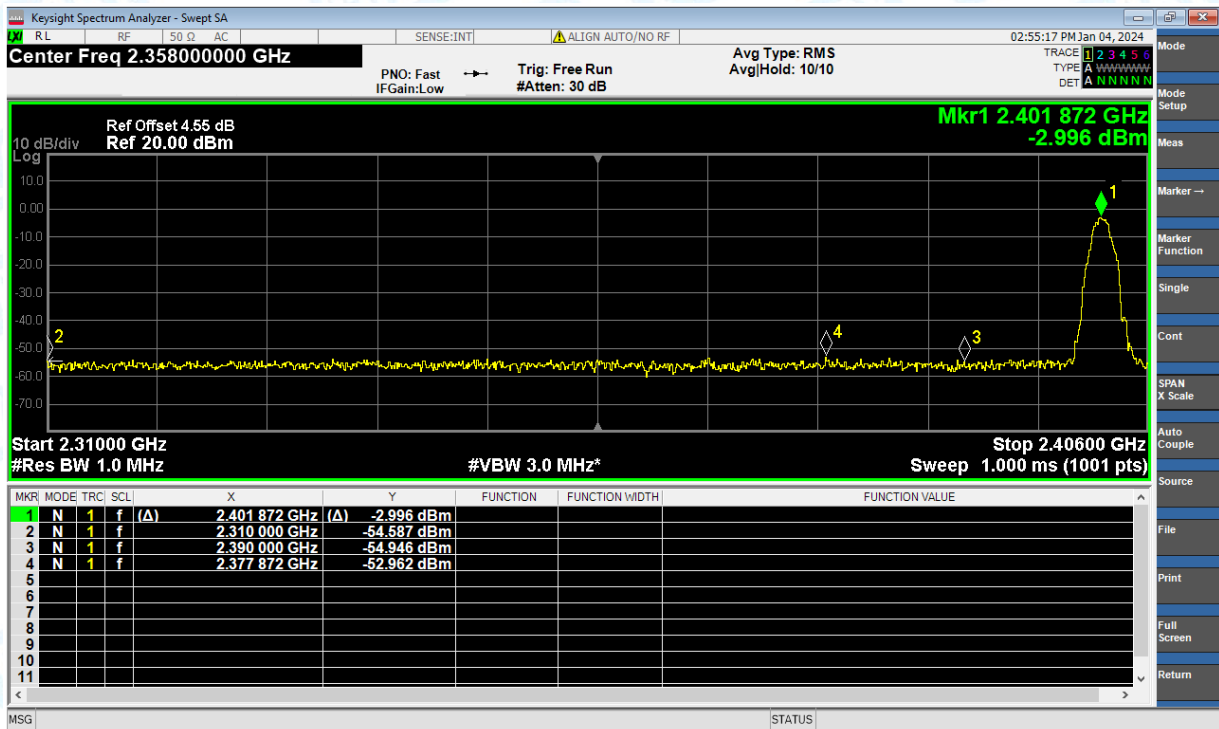
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



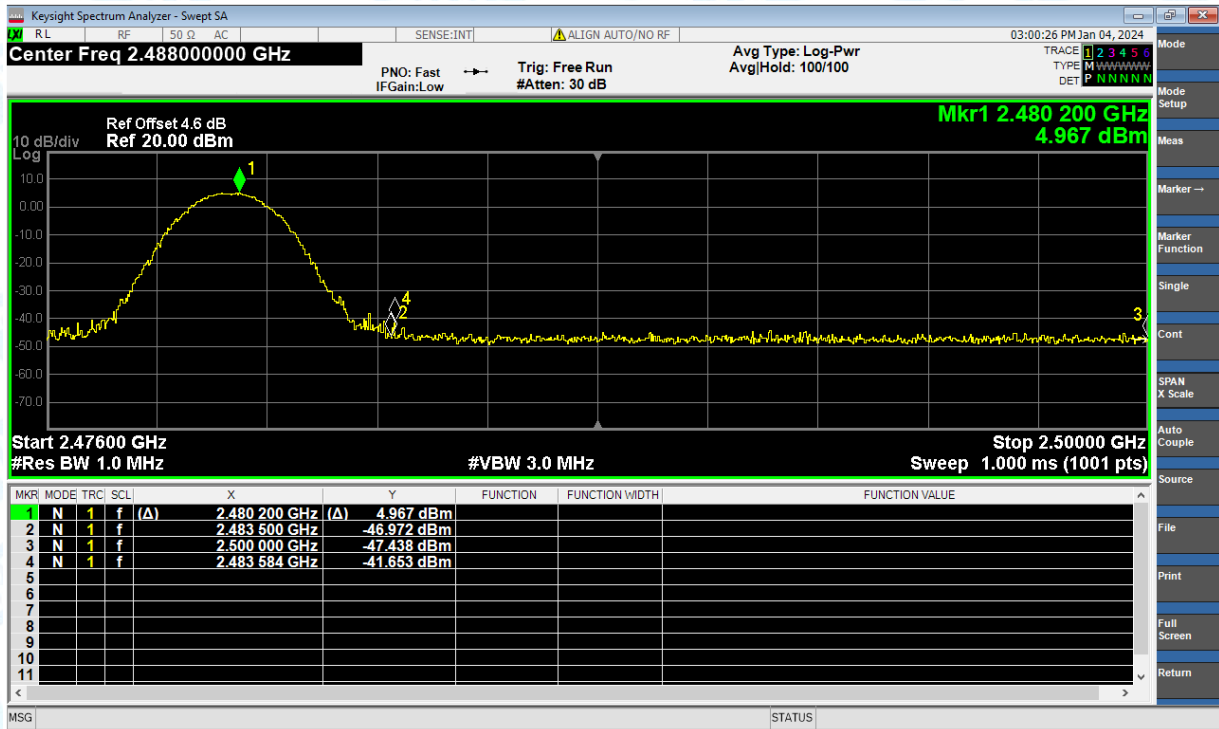
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



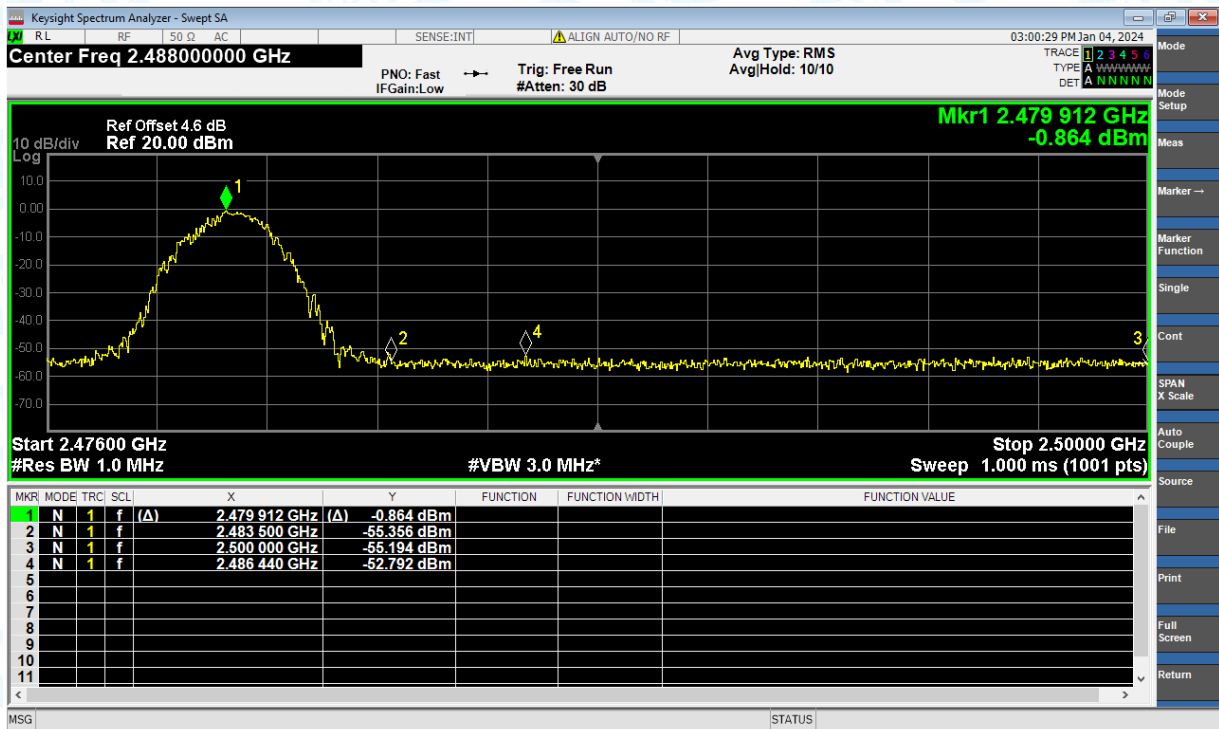
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



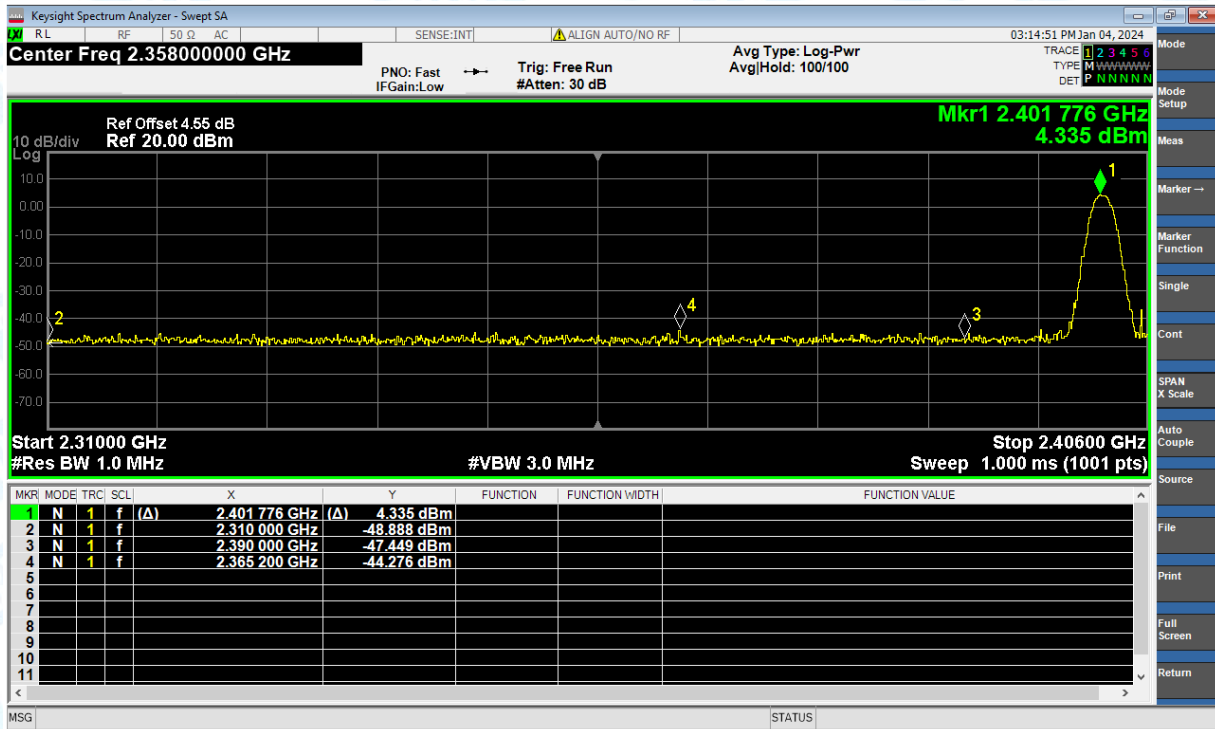
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



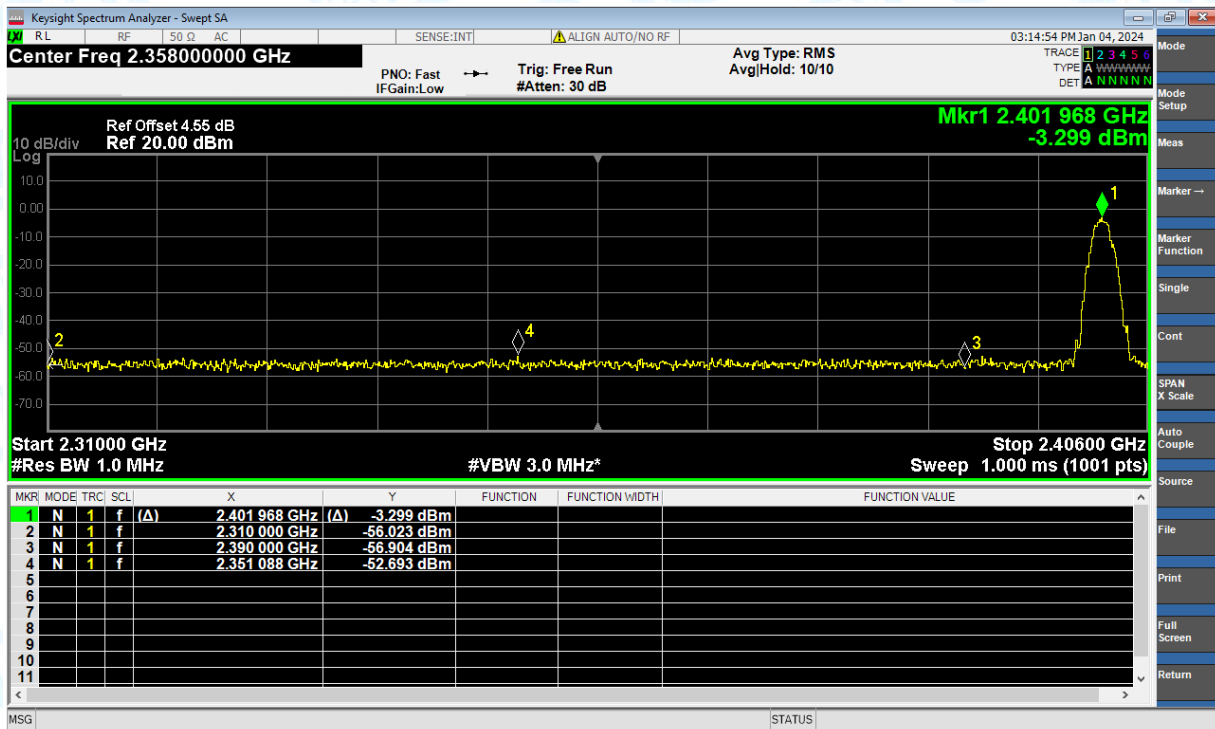
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



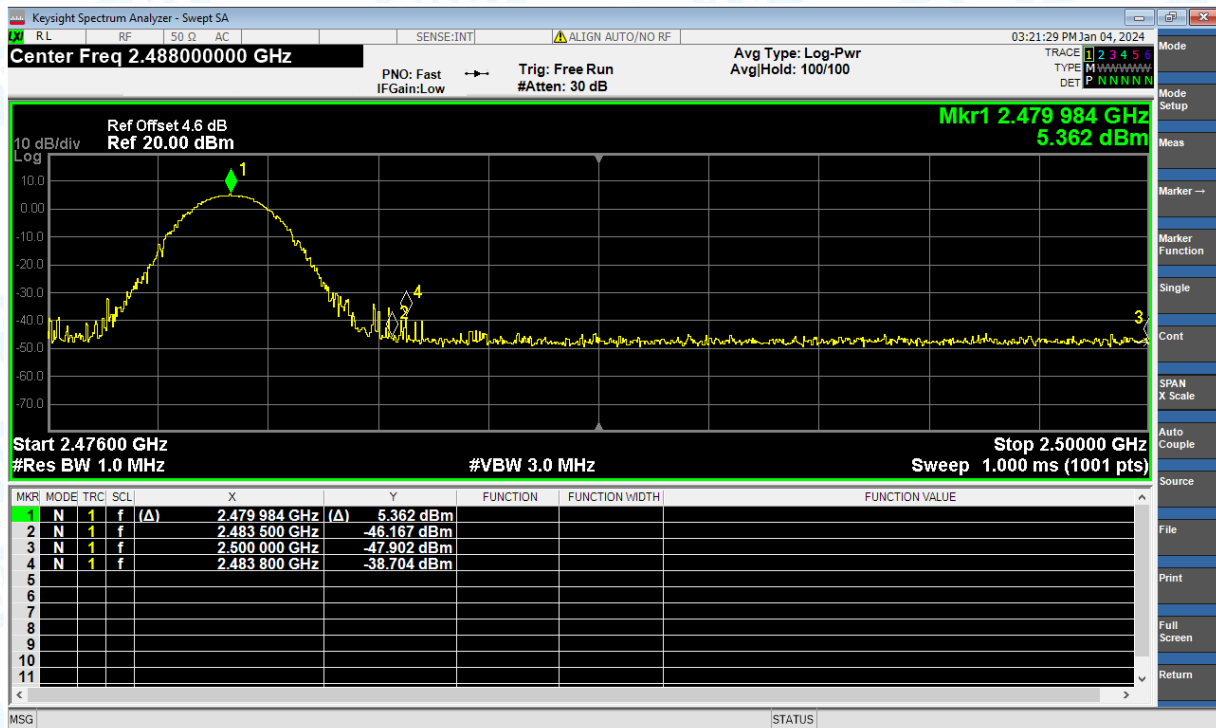
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



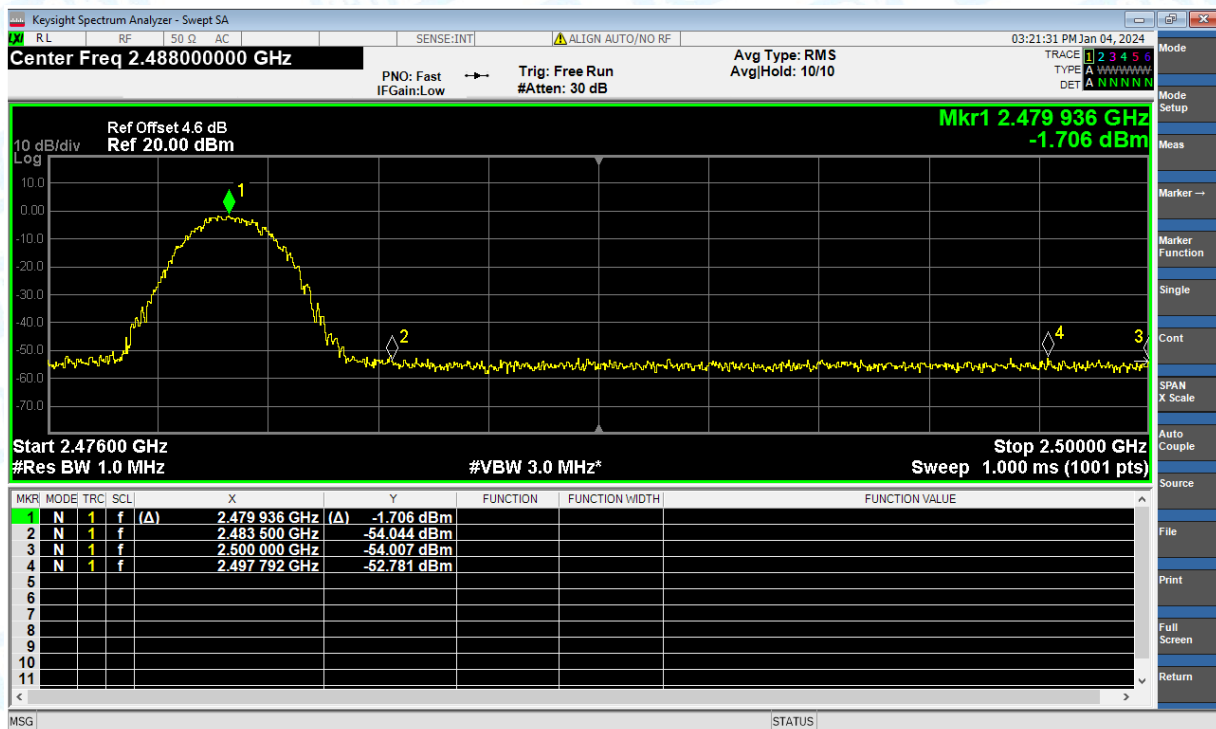
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

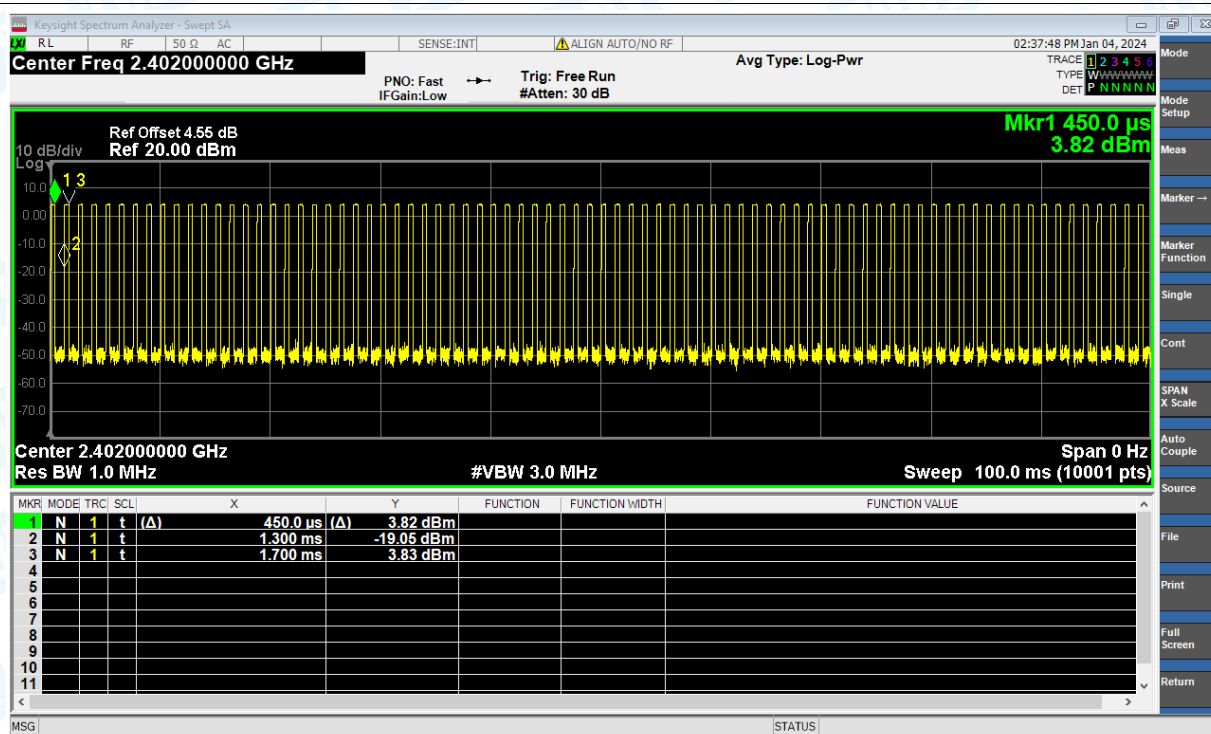


Duty Cycle

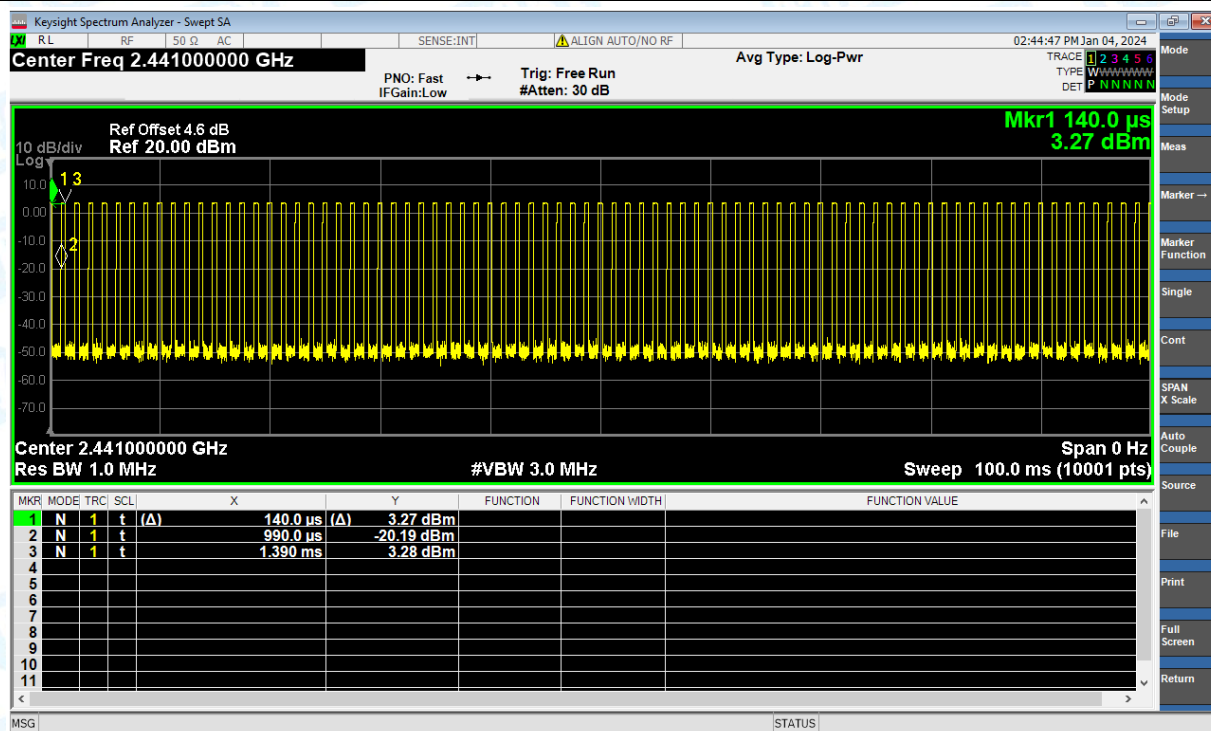
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	32	4.95	2.5
NVNT	1-DH1	2441	Ant1	32	4.95	2.5
NVNT	1-DH1	2480	Ant1	32	4.95	2.5
NVNT	2-DH1	2402	Ant1	32.8	4.84	2.44
NVNT	2-DH1	2441	Ant1	32.8	4.84	2.44
NVNT	2-DH1	2480	Ant1	32.8	4.84	2.44
NVNT	3-DH1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

Test Graphs

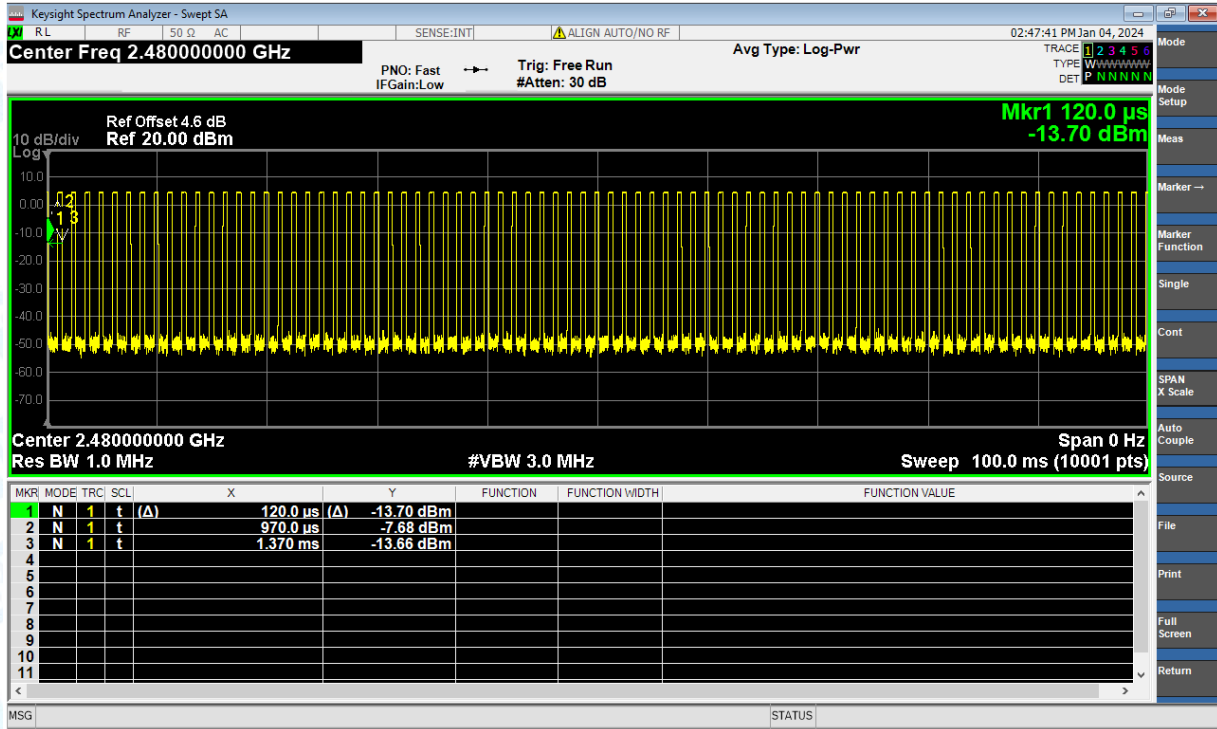
Duty Cycle NVNT 1-DH1 2402MHz Ant1



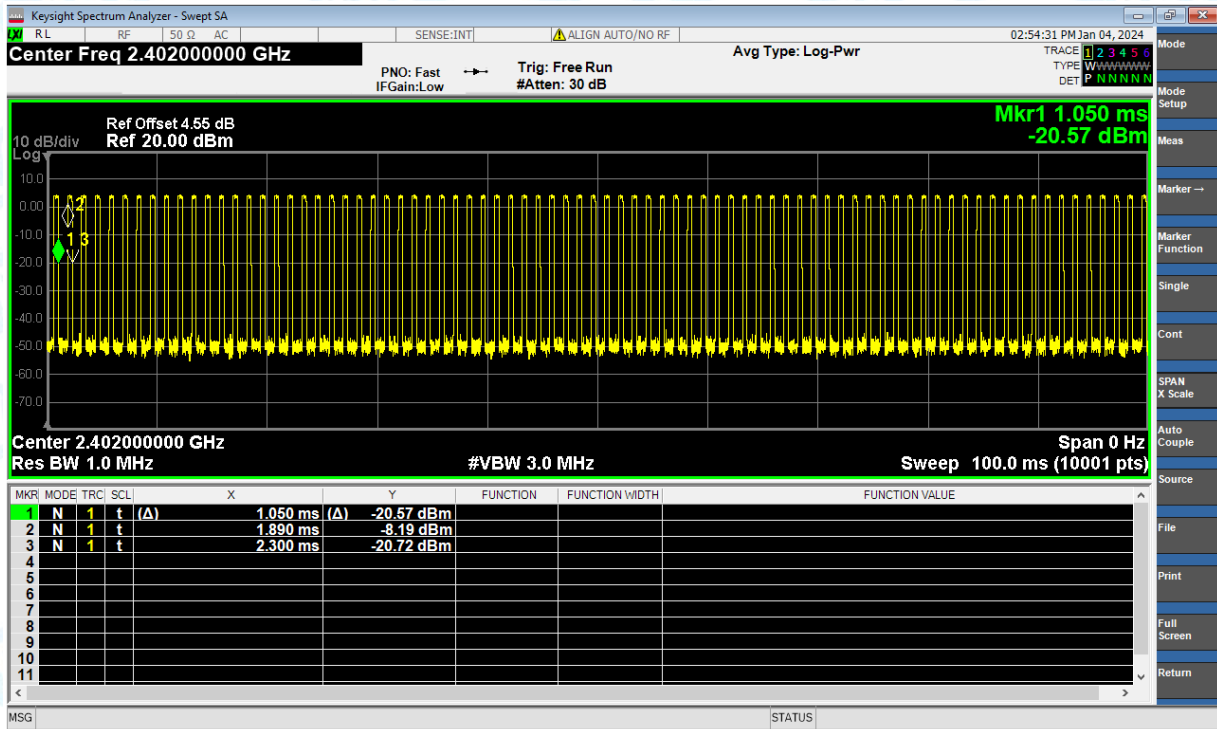
Duty Cycle NVNT 1-DH1 2441MHz Ant1



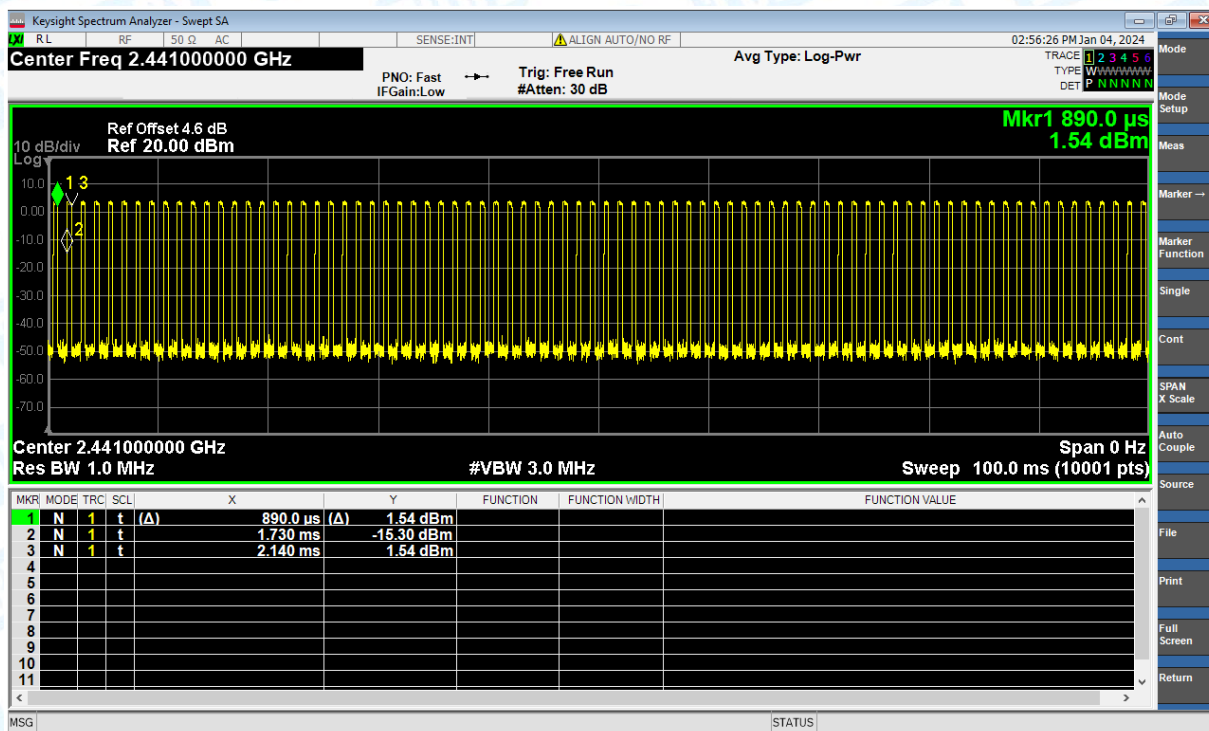
Duty Cycle NVNT 1-DH1 2480MHz Ant1



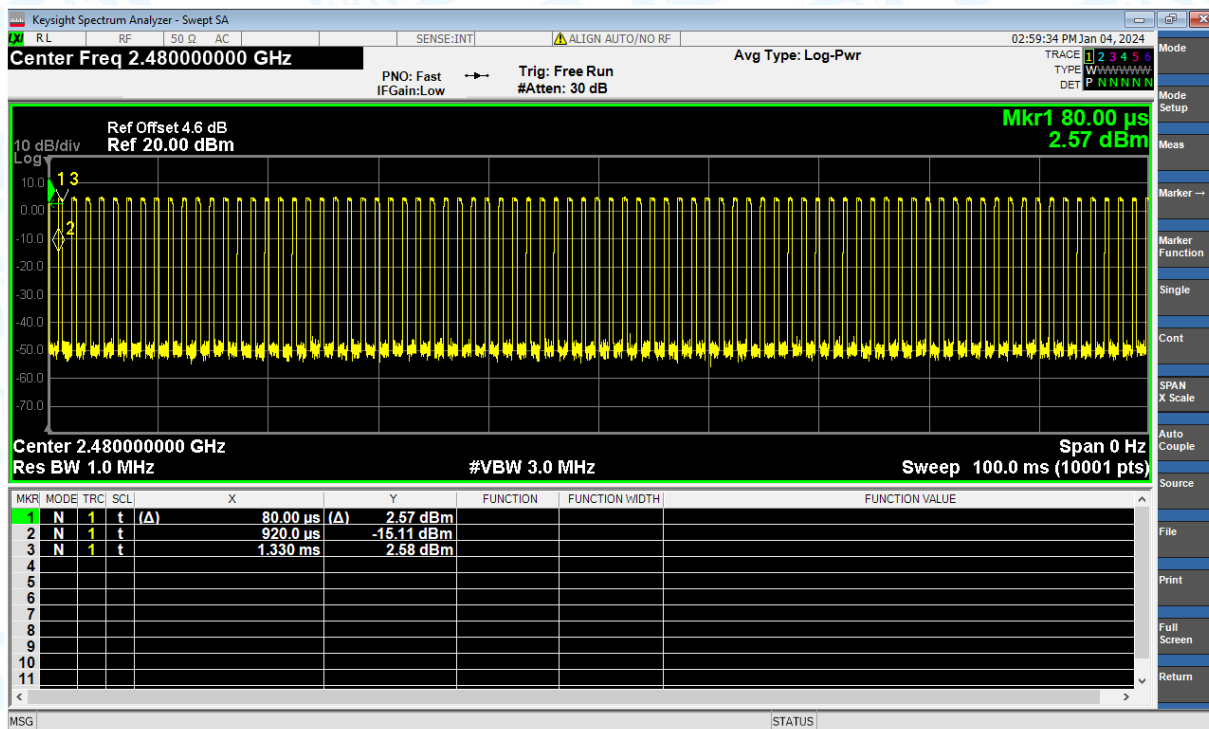
Duty Cycle NVNT 2-DH1 2402MHz Ant1



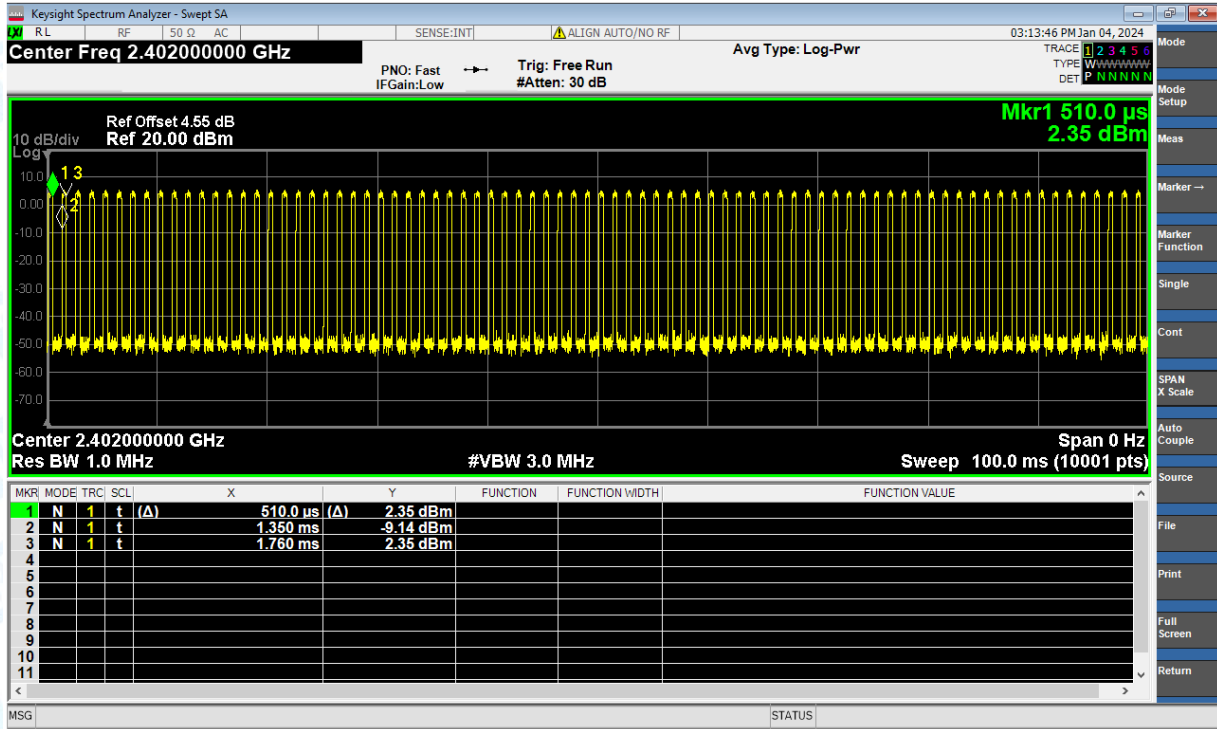
Duty Cycle NVNT 2-DH1 2441MHz Ant1



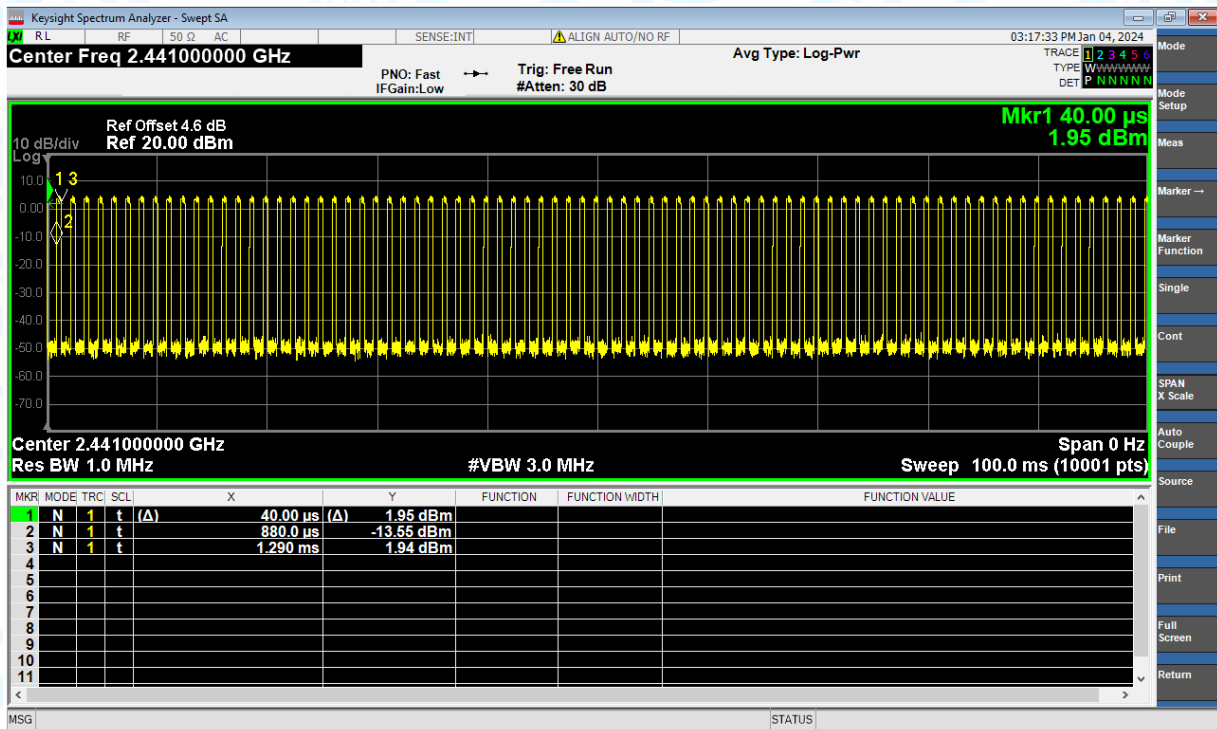
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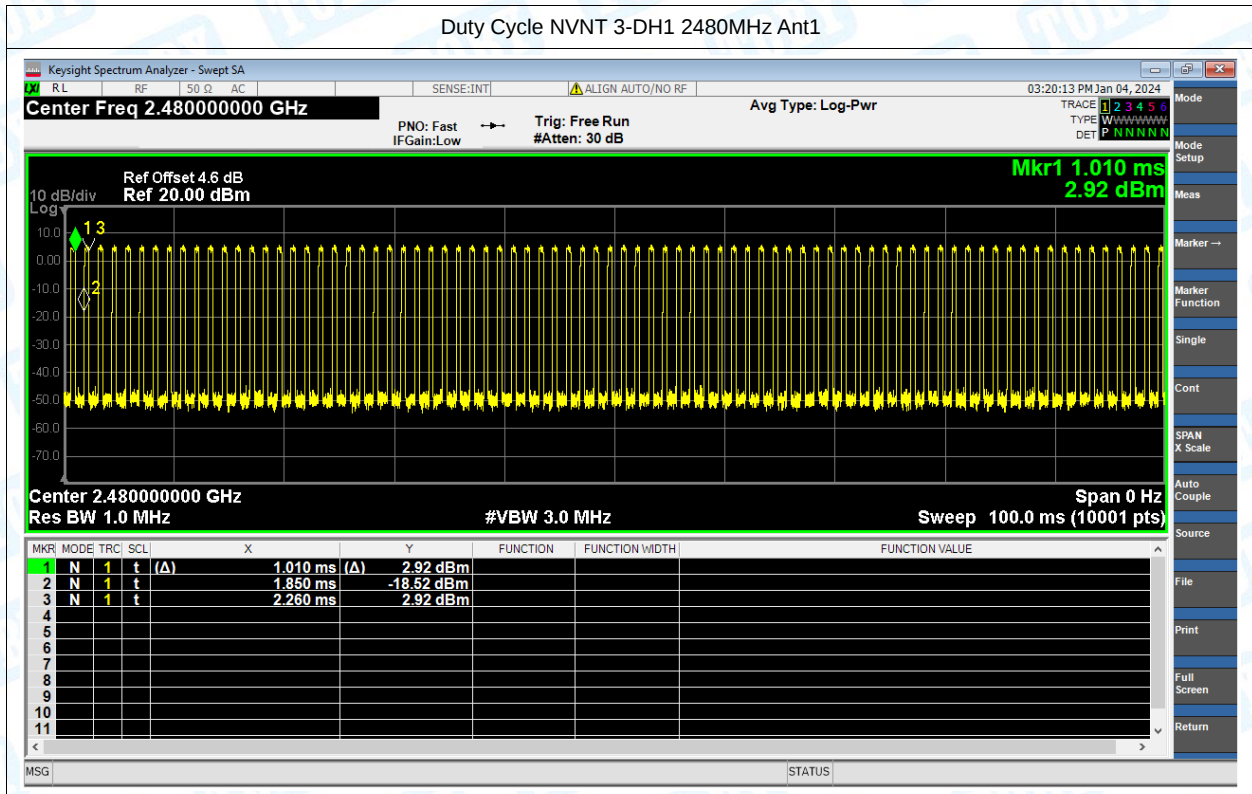


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



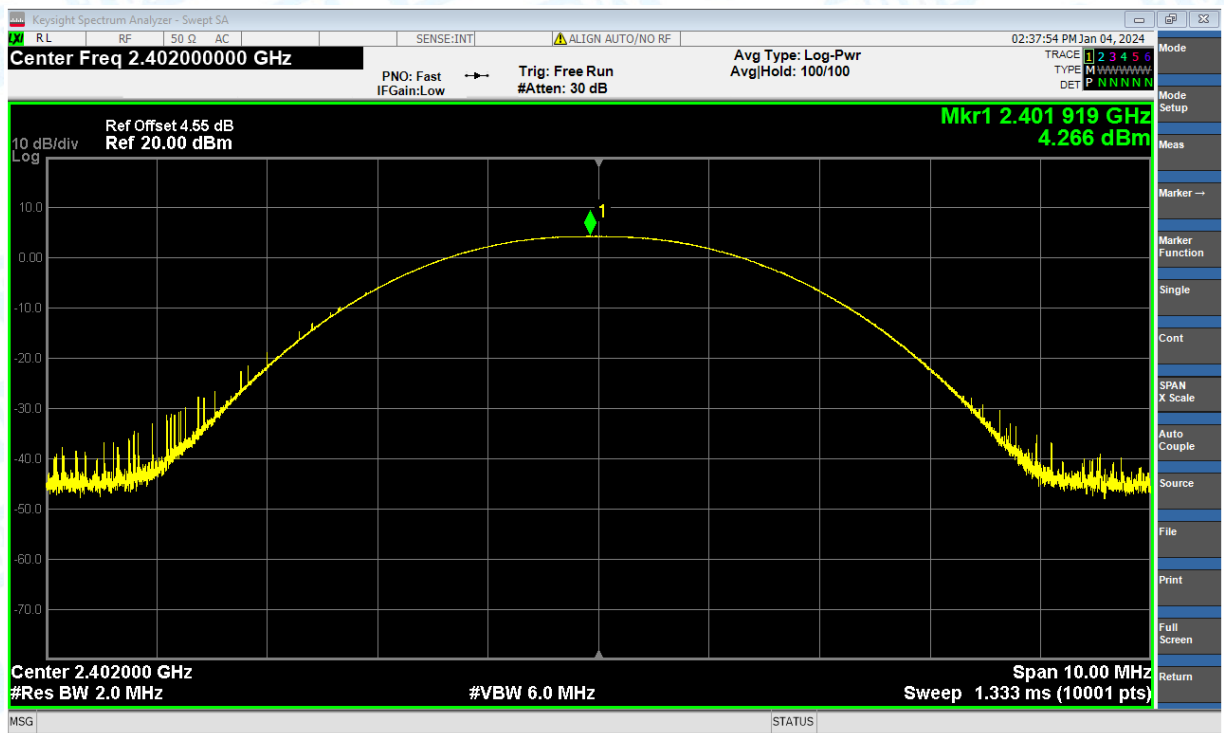


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	4.266	21	Pass
NVNT	1-DH1	2441	Ant1	3.695	21	Pass
NVNT	1-DH1	2480	Ant1	4.657	21	Pass
NVNT	2-DH1	2402	Ant1	4.941	21	Pass
NVNT	2-DH1	2441	Ant1	4.451	21	Pass
NVNT	2-DH1	2480	Ant1	5.429	21	Pass
NVNT	3-DH1	2402	Ant1	5.8	21	Pass
NVNT	3-DH1	2441	Ant1	5.282	21	Pass
NVNT	3-DH1	2480	Ant1	6.163	21	Pass

Test Graphs

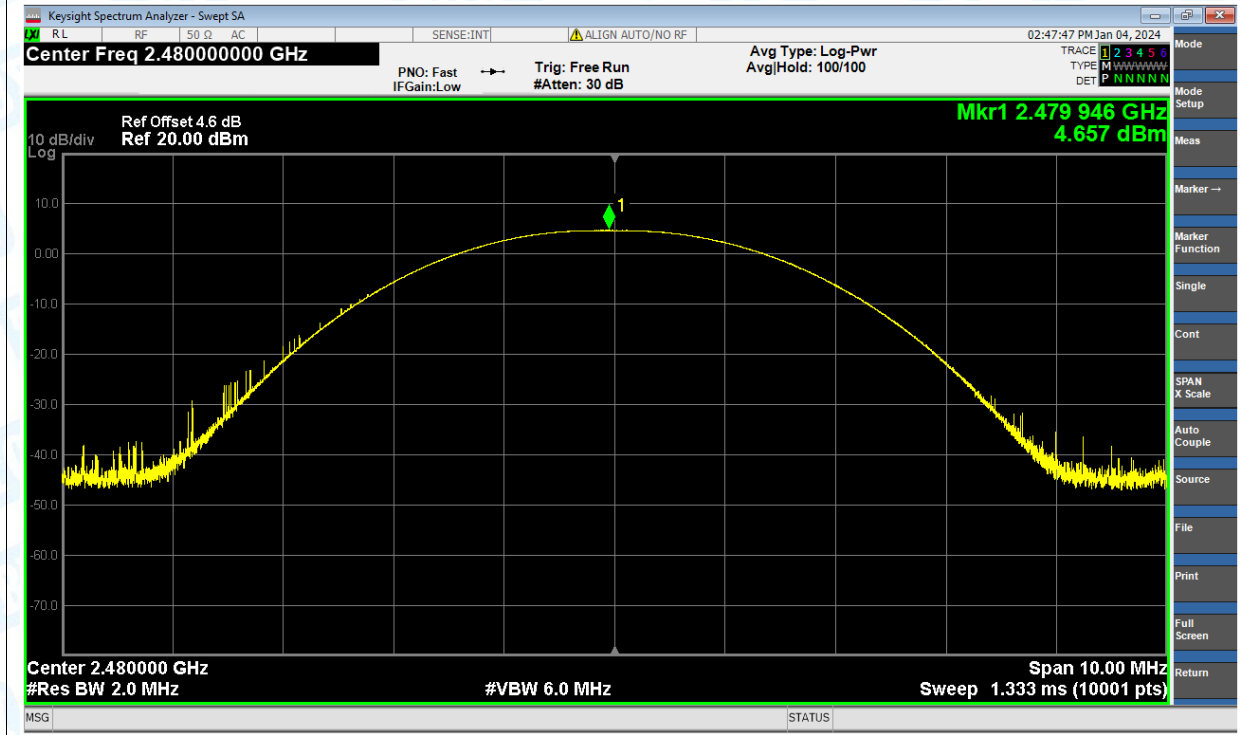
Power NVNT 1-DH1 2402MHz Ant1



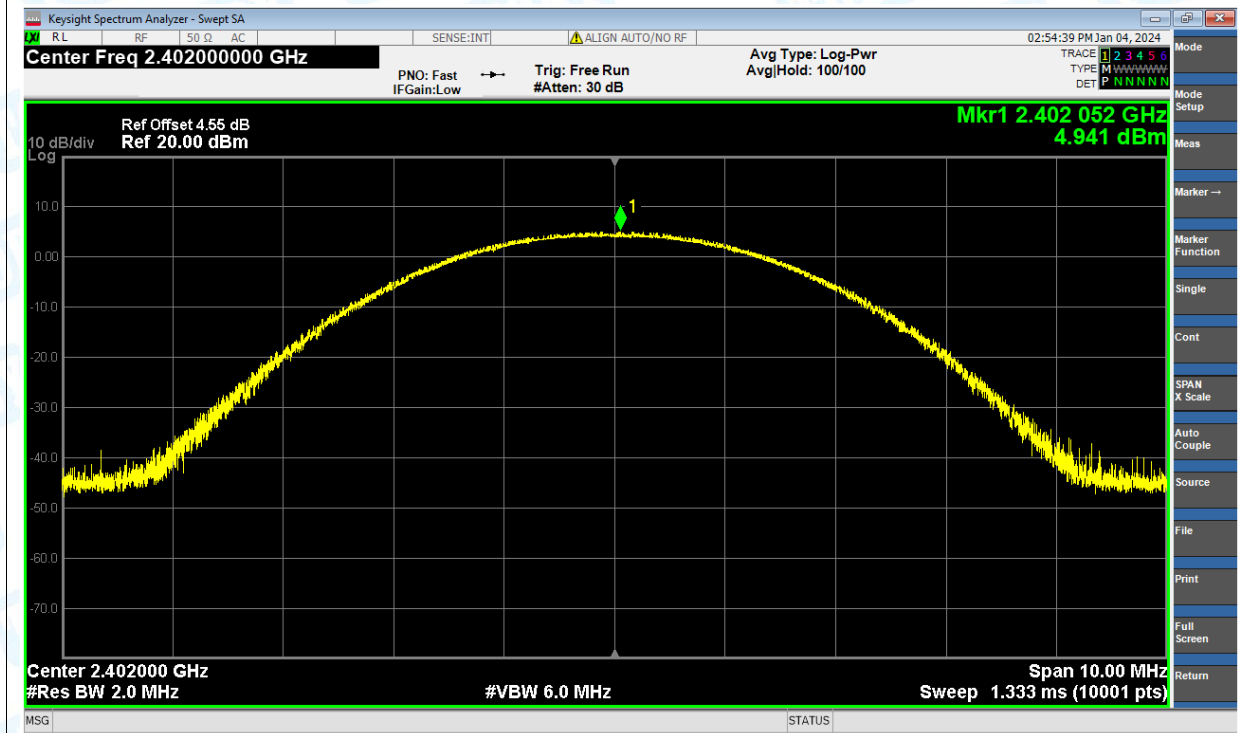
Power NVNT 1-DH1 2441MHz Ant1



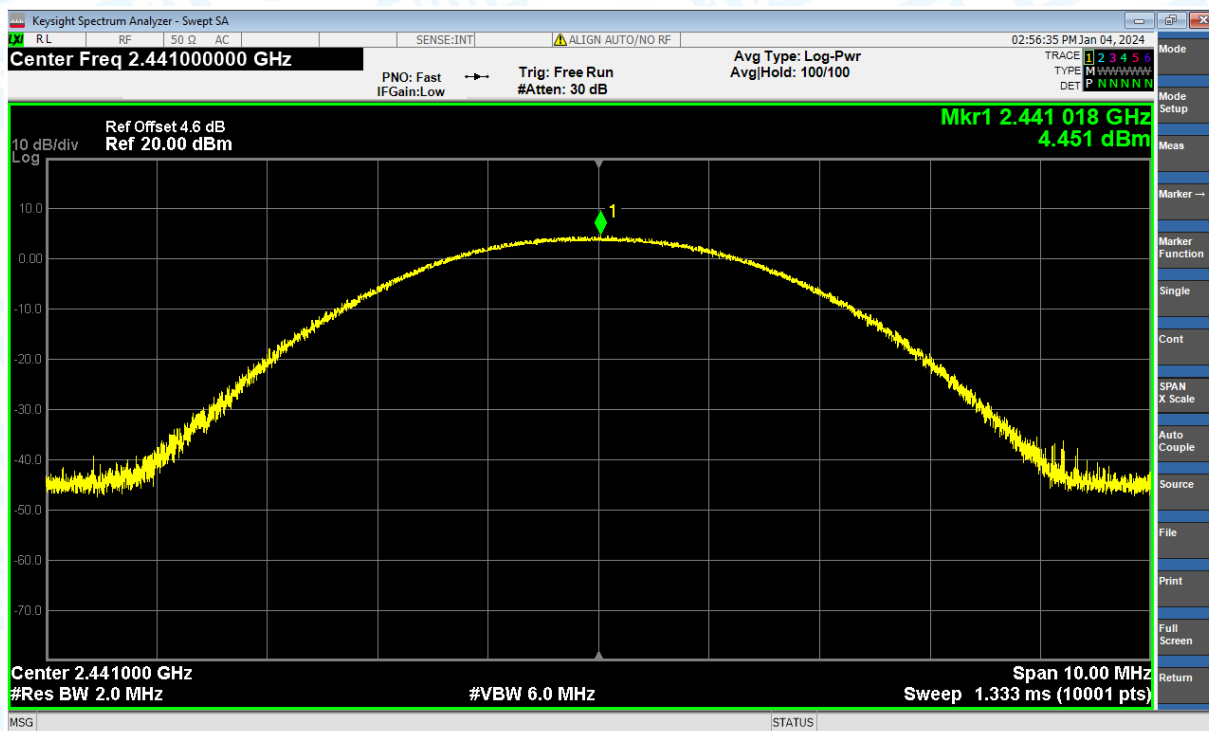
Power NVNT 1-DH1 2480MHz Ant1



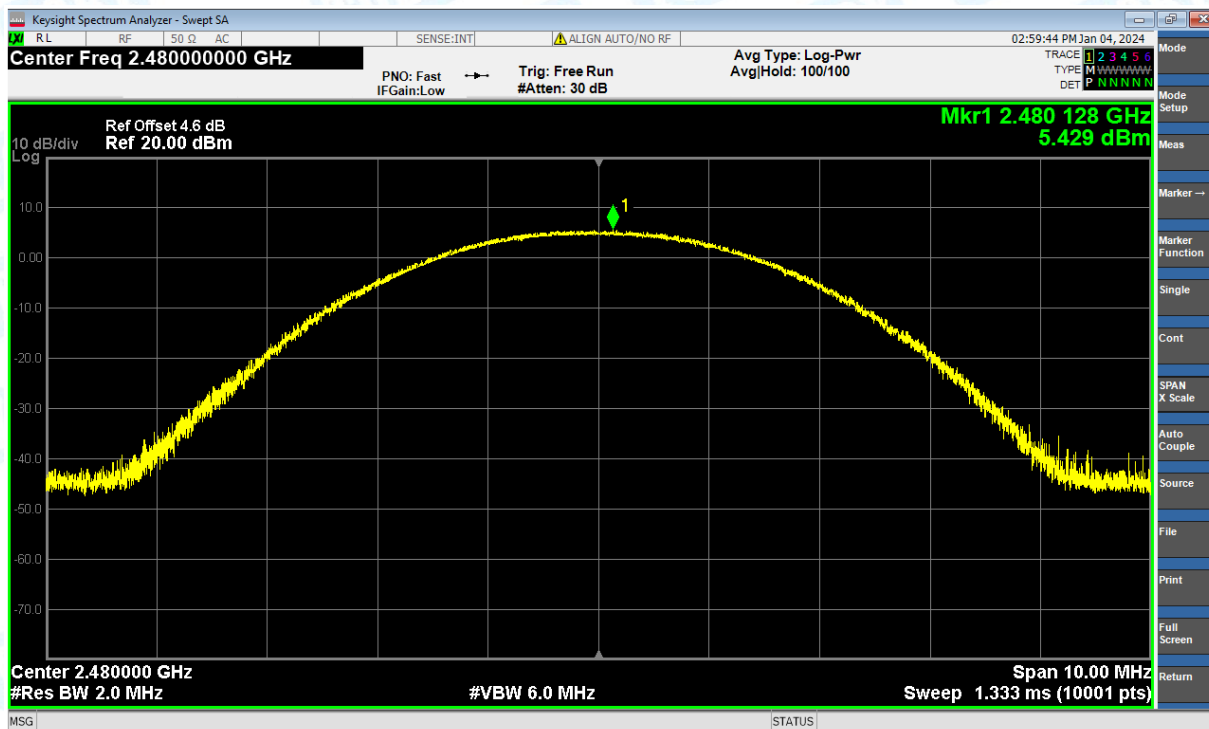
Power NVNT 2-DH1 2402MHz Ant1



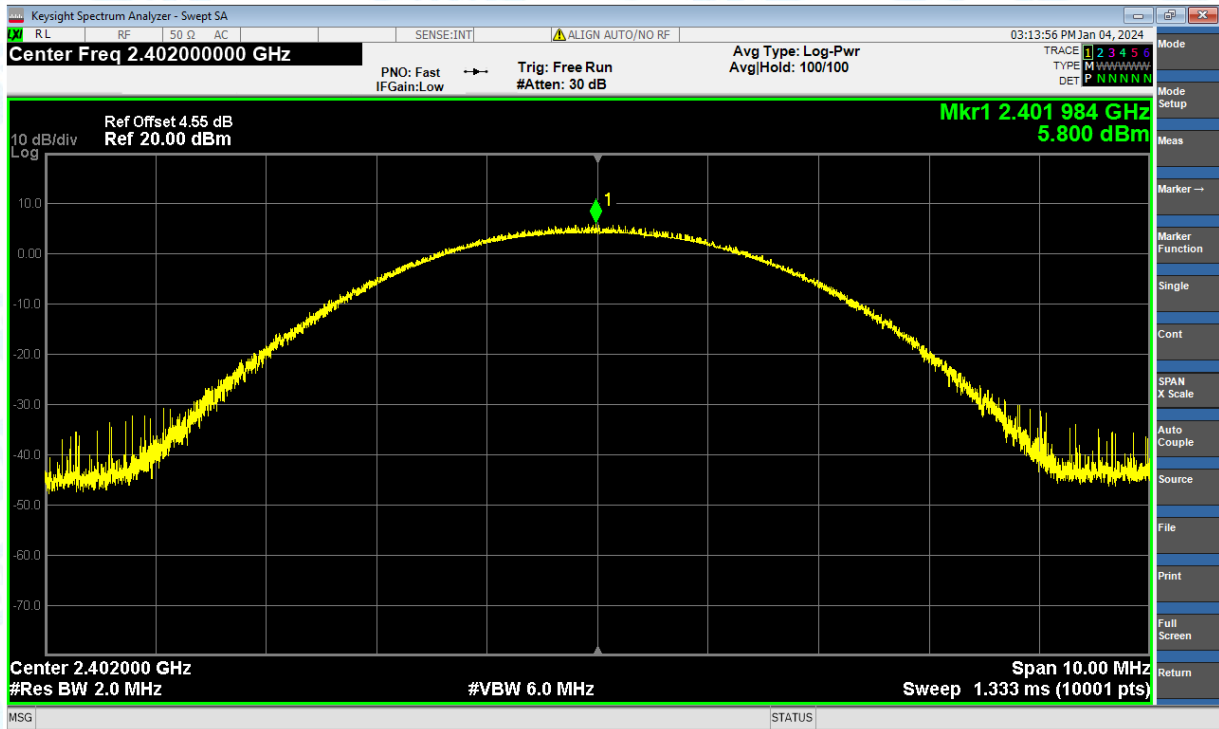
Power NVNT 2-DH1 2441MHz Ant1



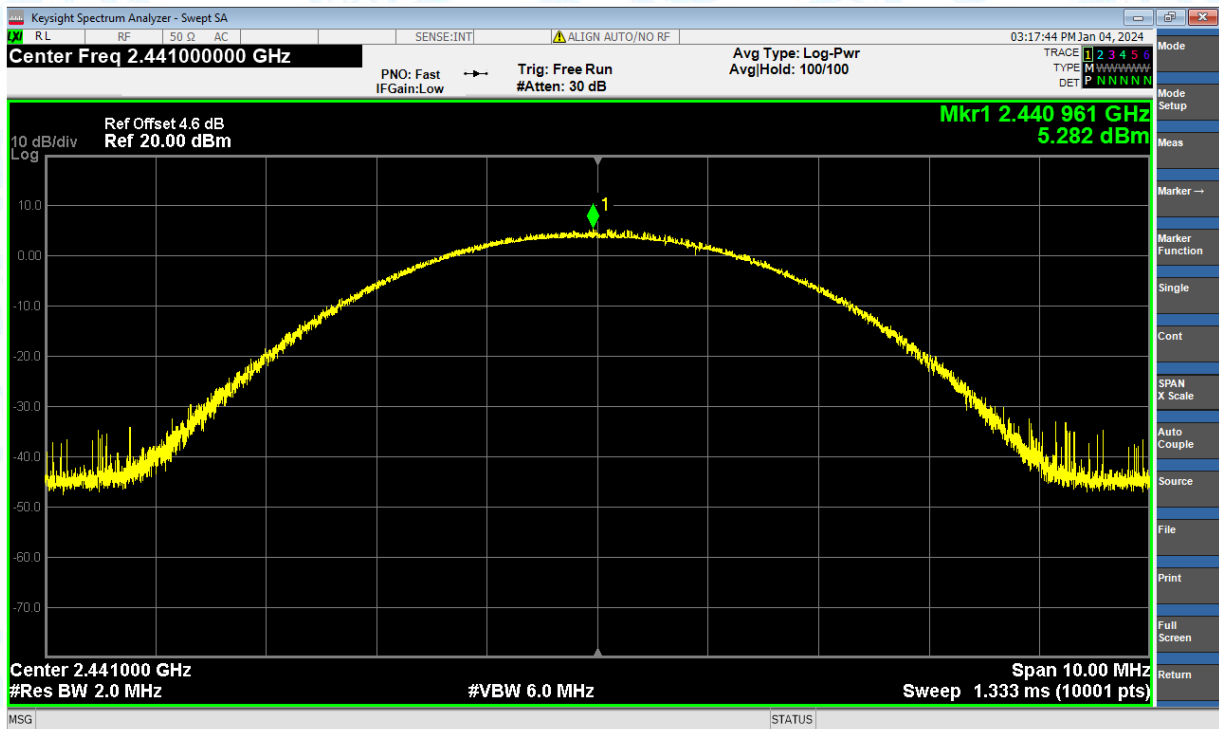
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1





-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.86	0	Pass
NVNT	1-DH1	2441	Ant1	0.87	0	Pass
NVNT	1-DH1	2480	Ant1	0.88	0	Pass
NVNT	2-DH1	2402	Ant1	1.24	0	Pass
NVNT	2-DH1	2441	Ant1	1.24	0	Pass
NVNT	2-DH1	2480	Ant1	1.24	0	Pass
NVNT	3-DH1	2402	Ant1	1.2	0	Pass
NVNT	3-DH1	2441	Ant1	1.21	0	Pass
NVNT	3-DH1	2480	Ant1	1.21	0	Pass

Test Graphs

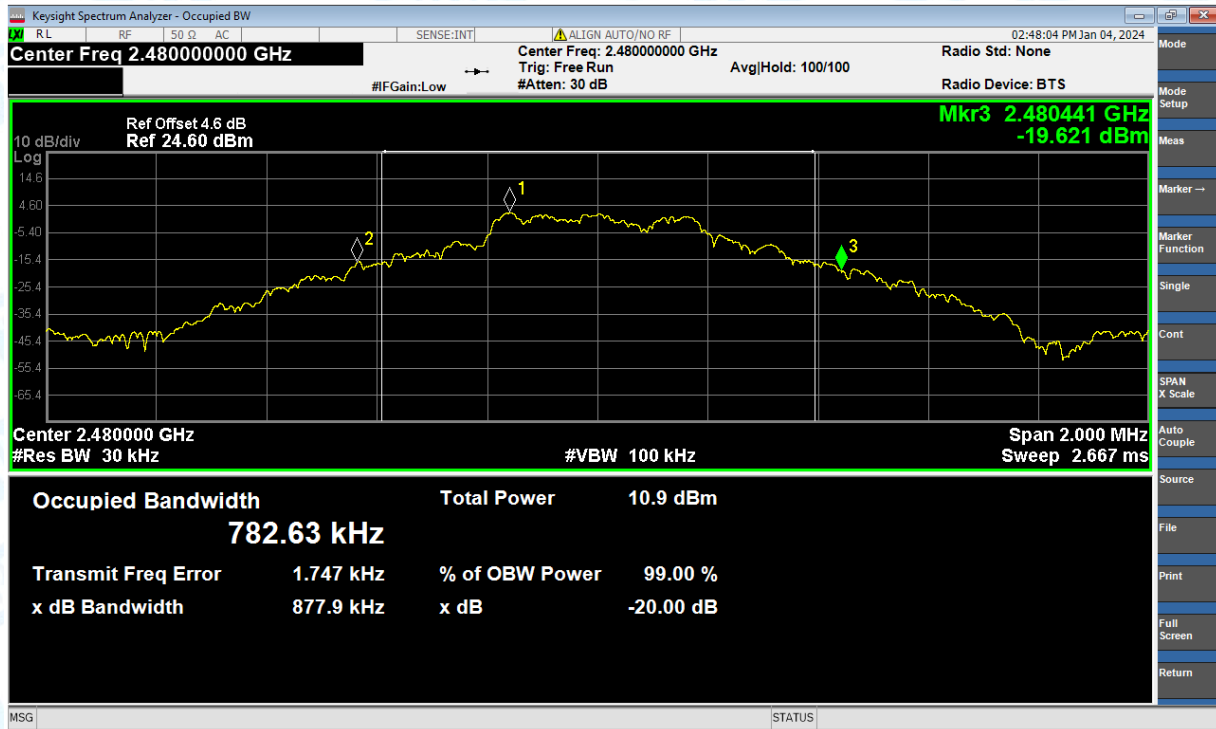
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



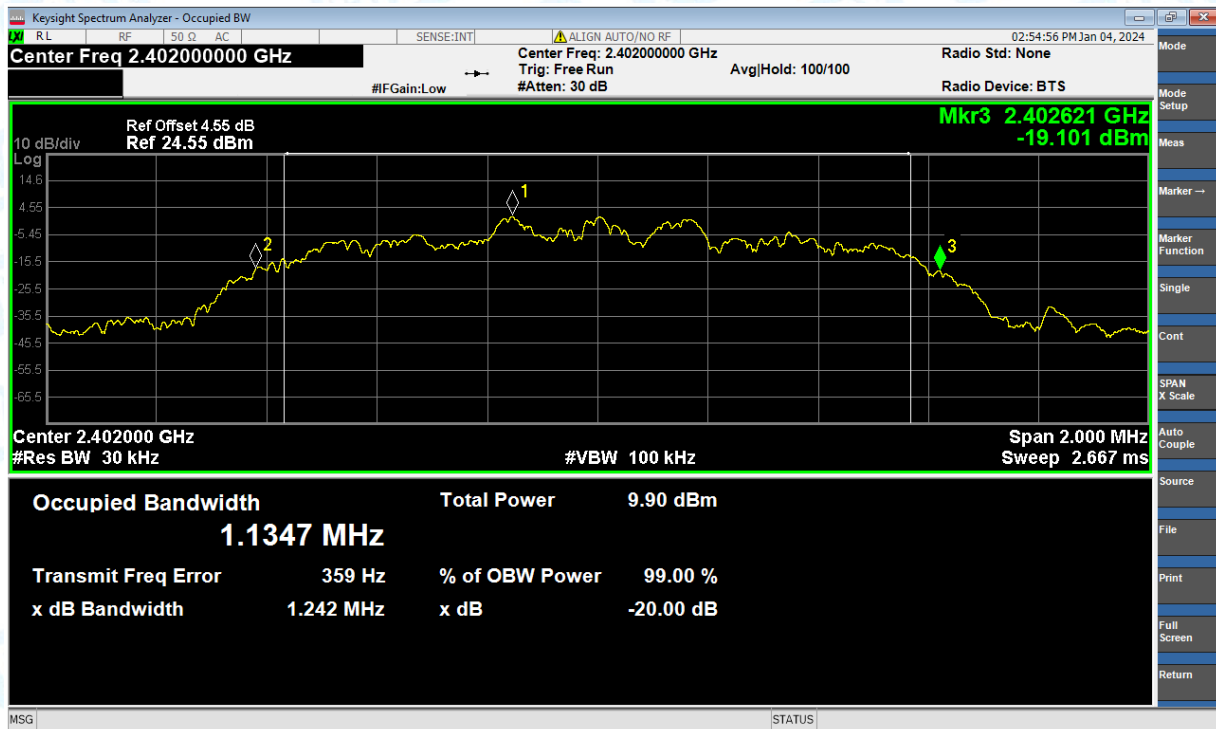
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



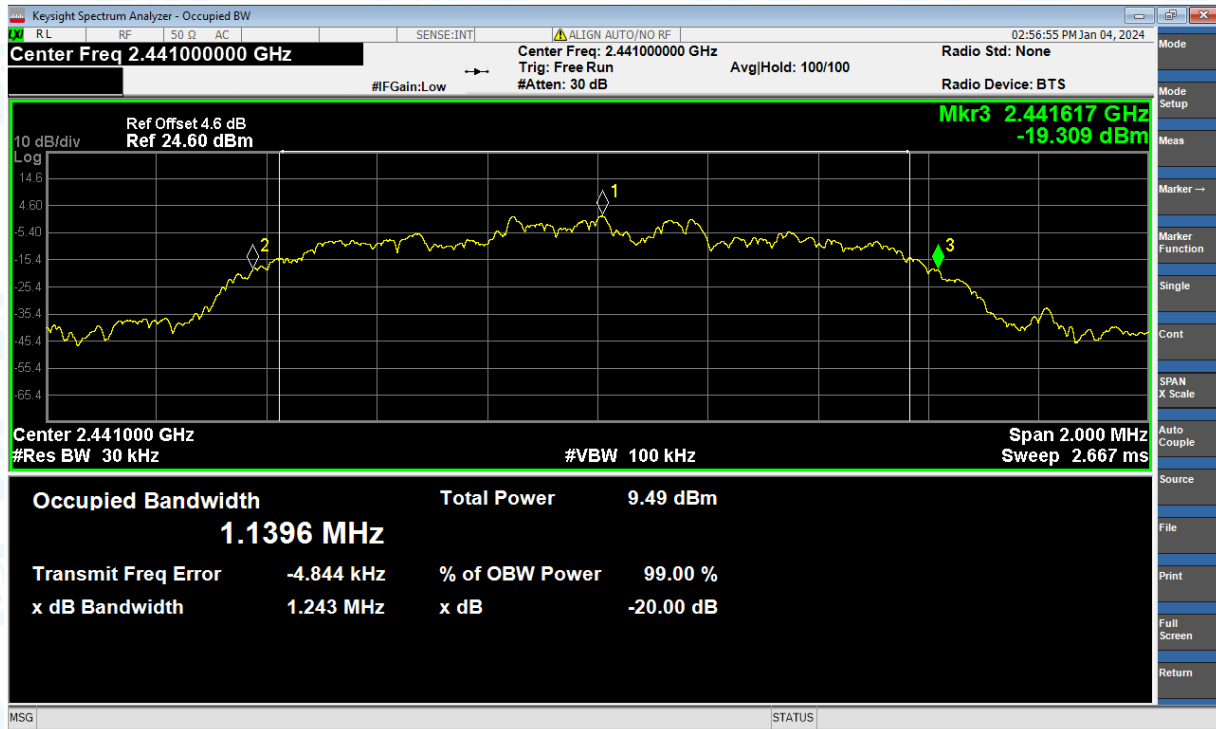
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



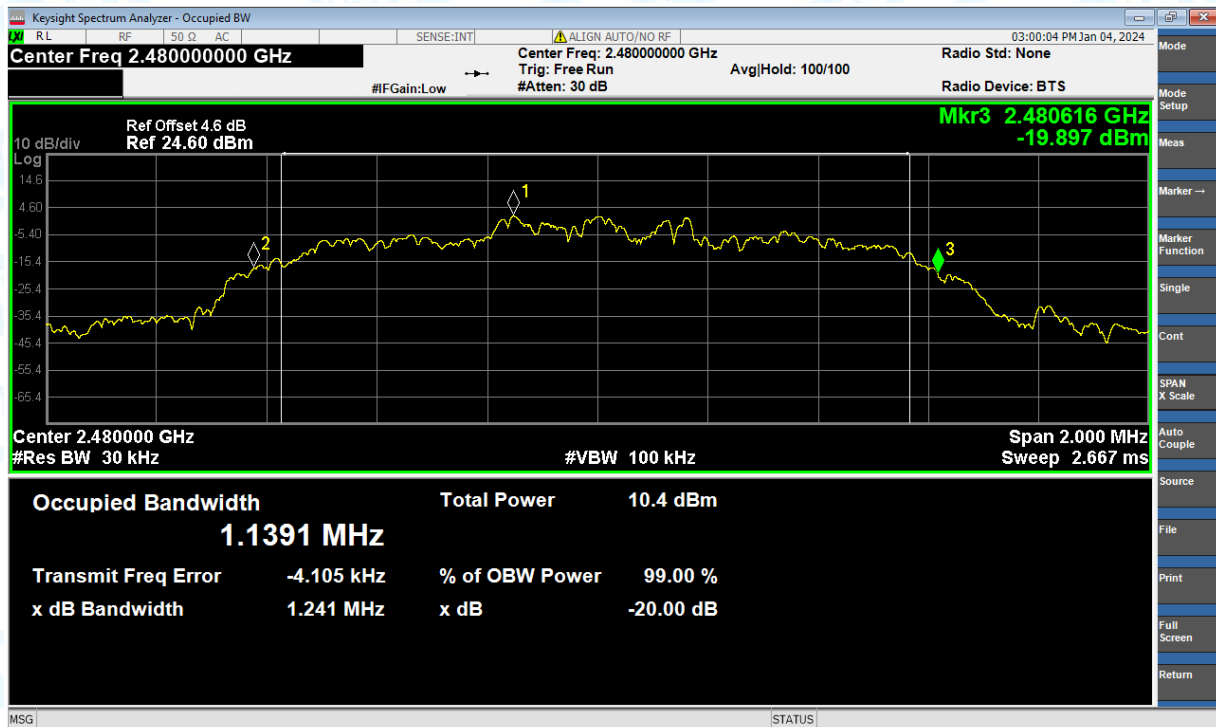
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



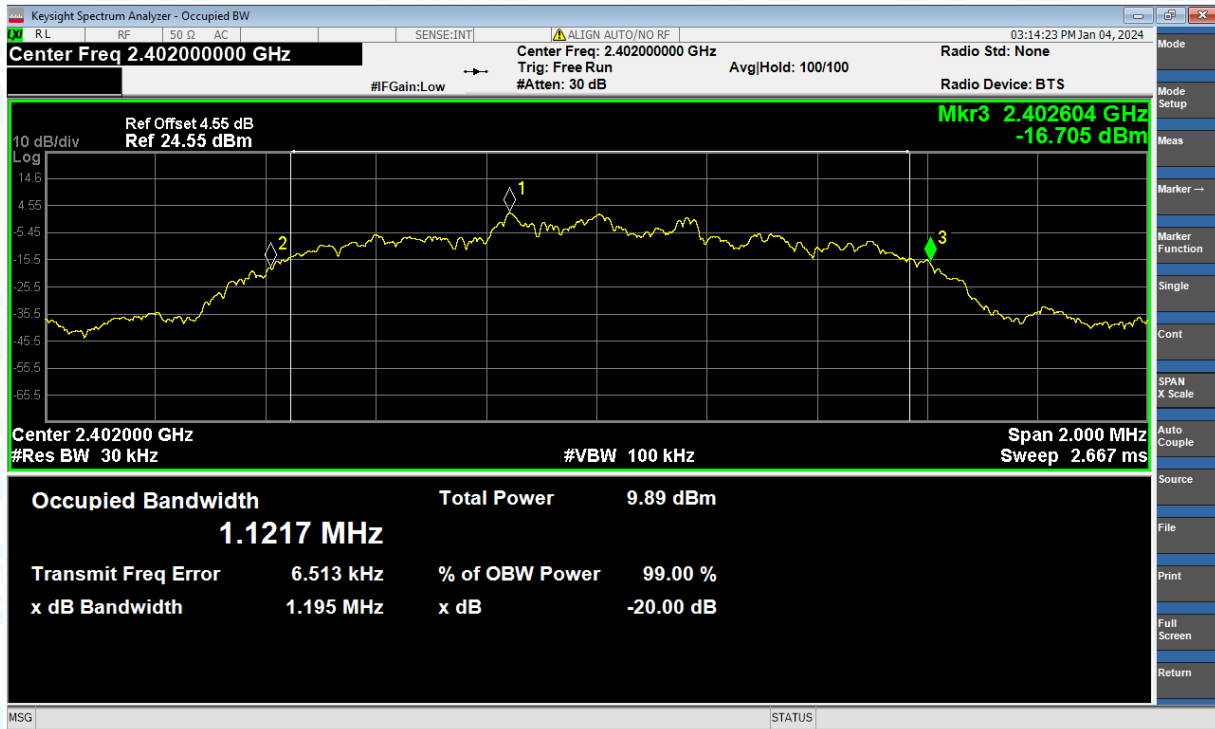
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



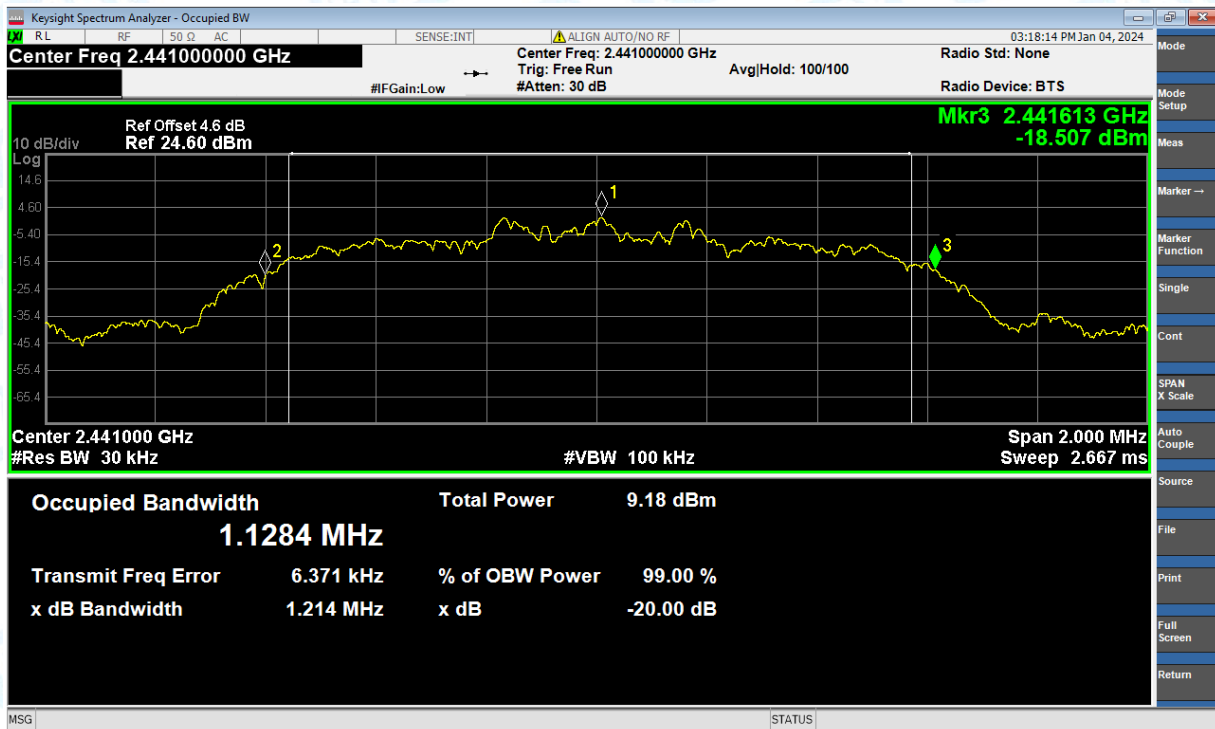
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

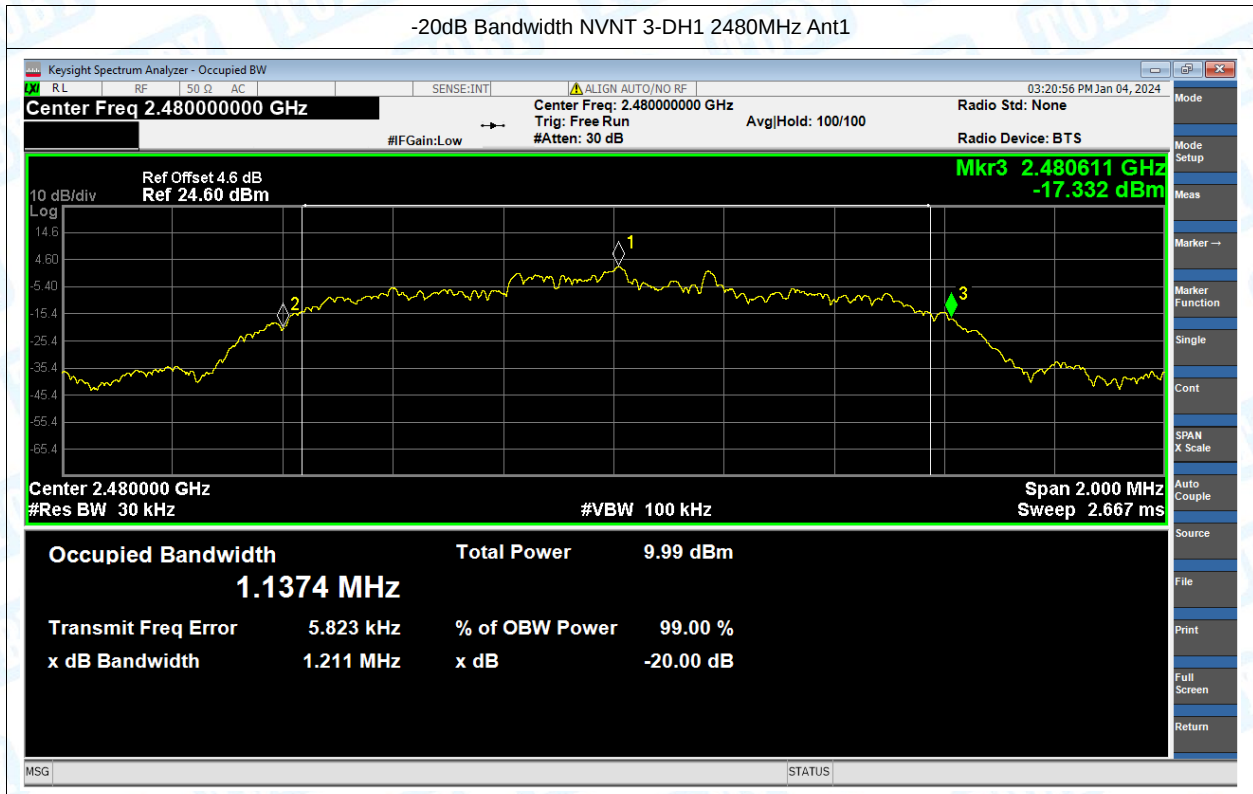


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



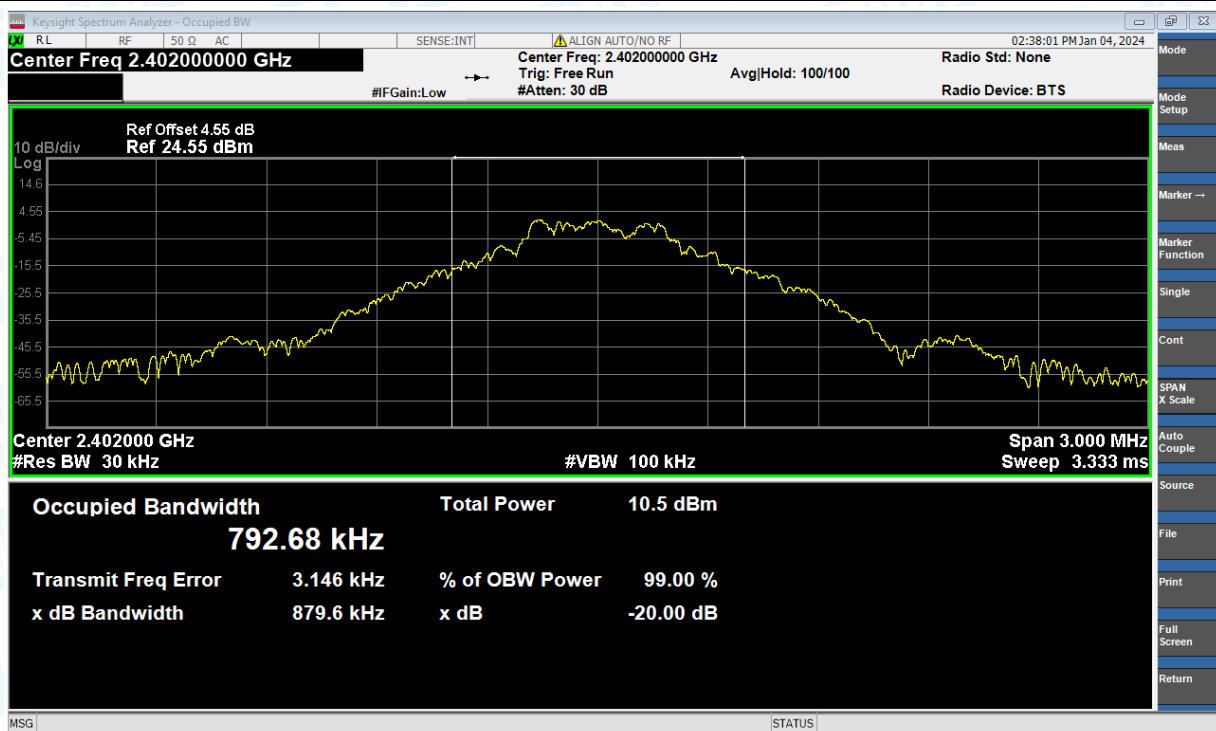


Occupied Channel Bandwidth

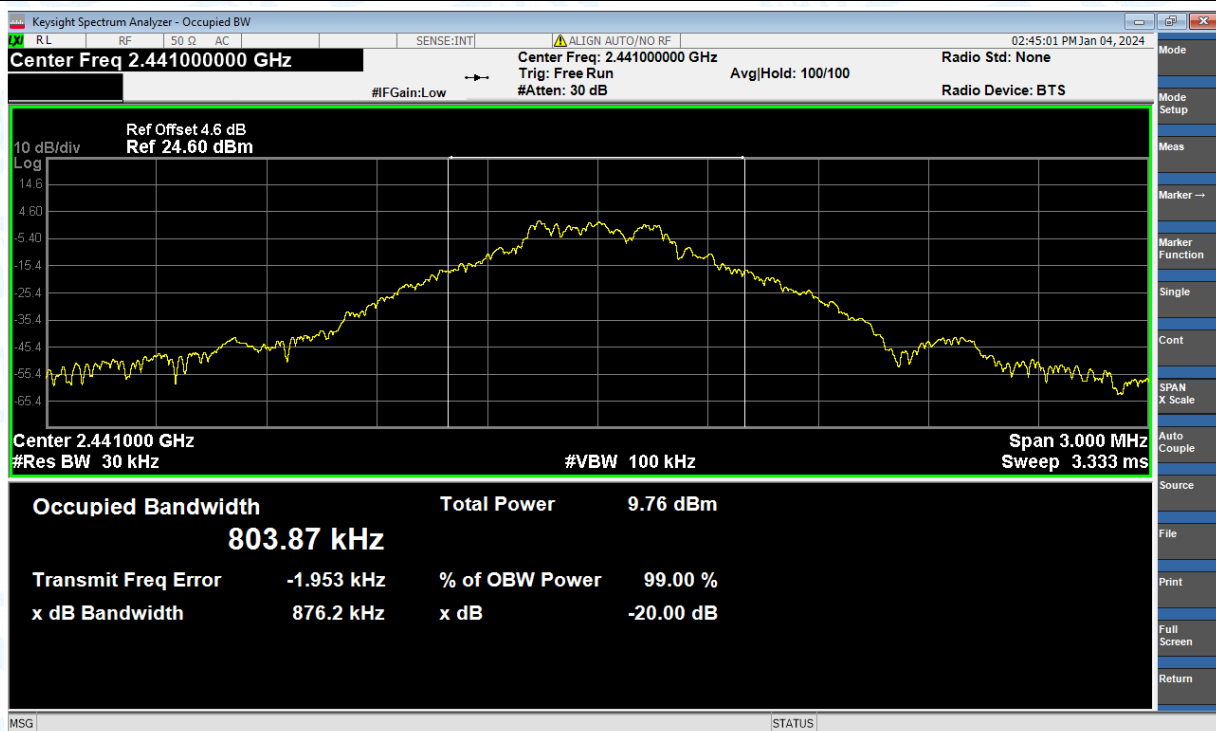
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.793
NVNT	1-DH1	2441	Ant1	0.804
NVNT	1-DH1	2480	Ant1	0.785
NVNT	2-DH1	2402	Ant1	1.128
NVNT	2-DH1	2441	Ant1	1.142
NVNT	2-DH1	2480	Ant1	1.139
NVNT	3-DH1	2402	Ant1	1.126
NVNT	3-DH1	2441	Ant1	1.122
NVNT	3-DH1	2480	Ant1	1.124

Test Graphs

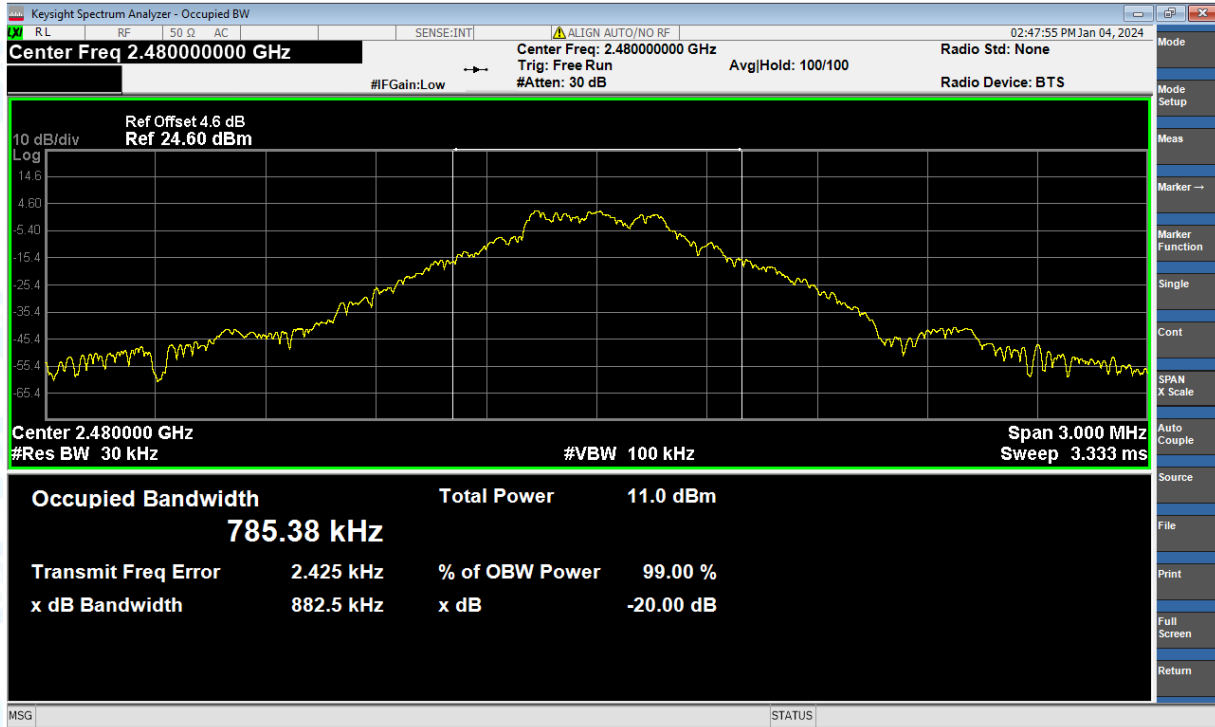
OBW NVNT 1-DH1 2402MHz Ant1



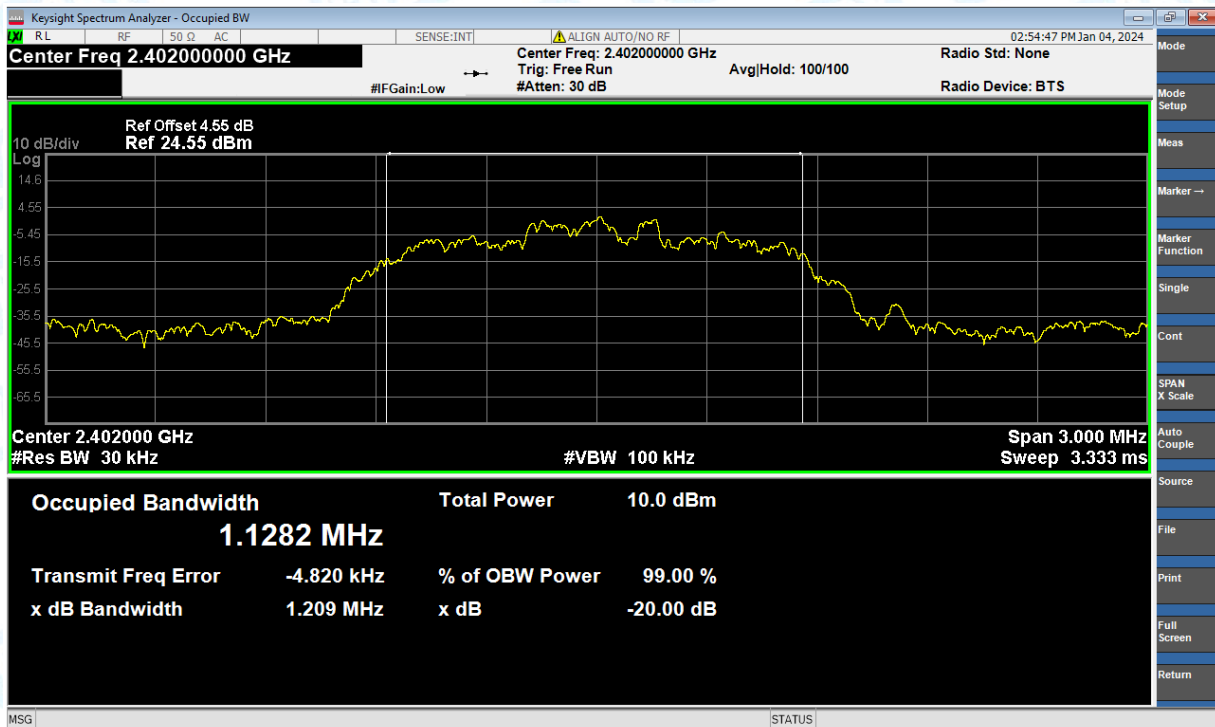
OBW NVNT 1-DH1 2441MHz Ant1



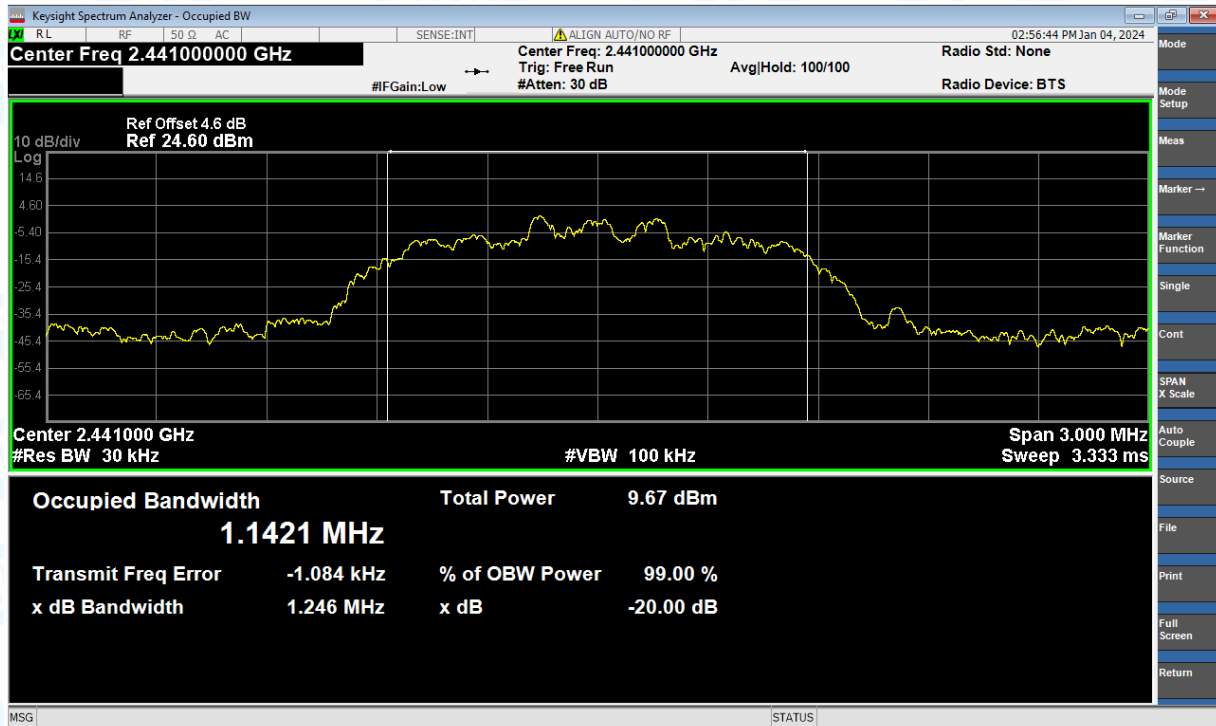
OBW NVNT 1-DH1 2480MHz Ant1



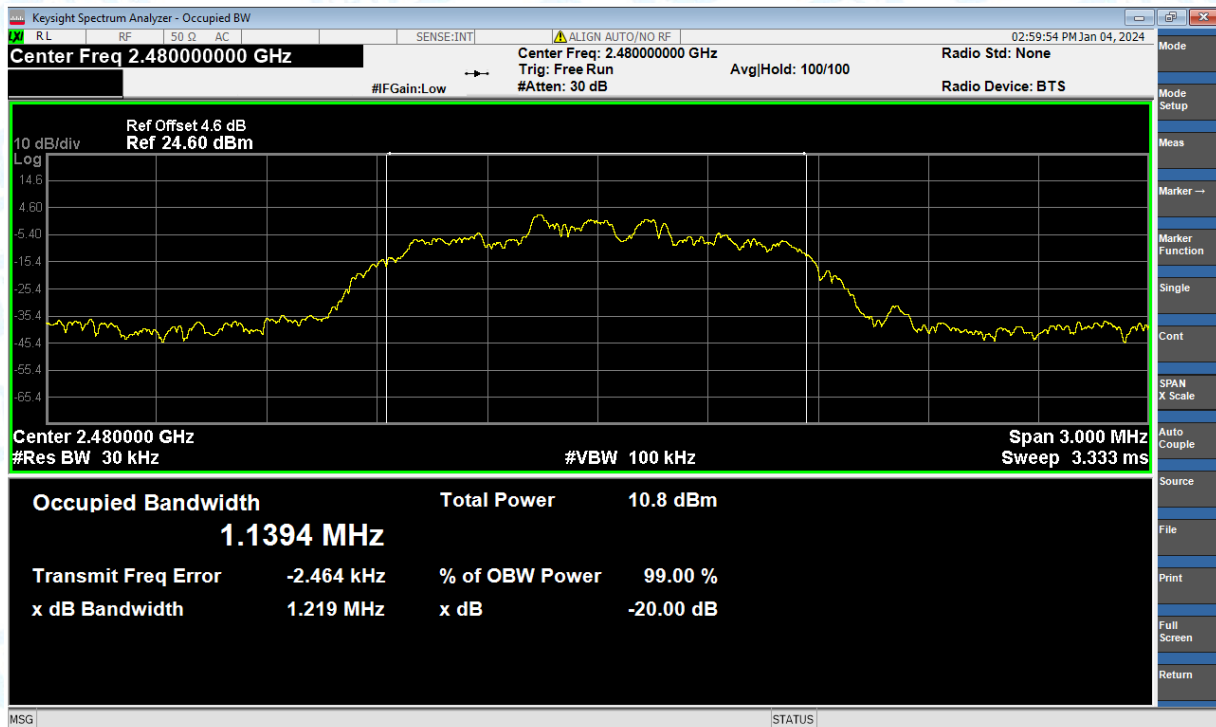
OBW NVNT 2-DH1 2402MHz Ant1



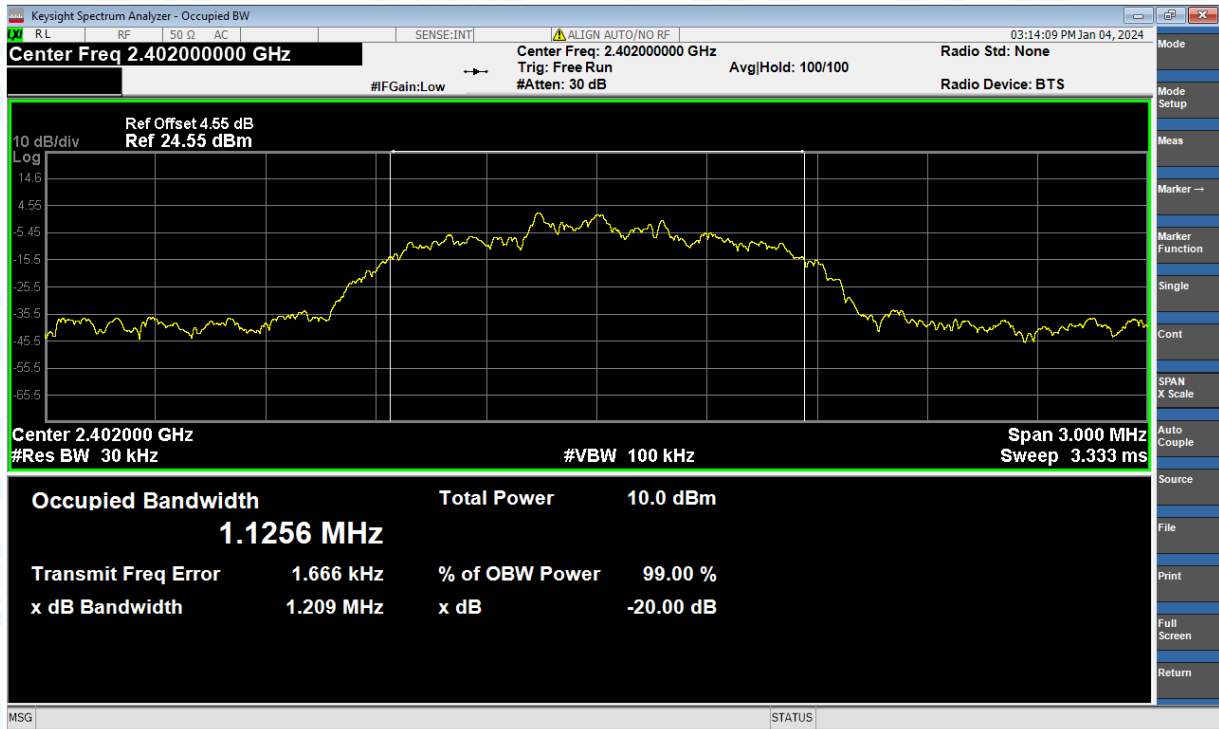
OBW NVNT 2-DH1 2441MHz Ant1



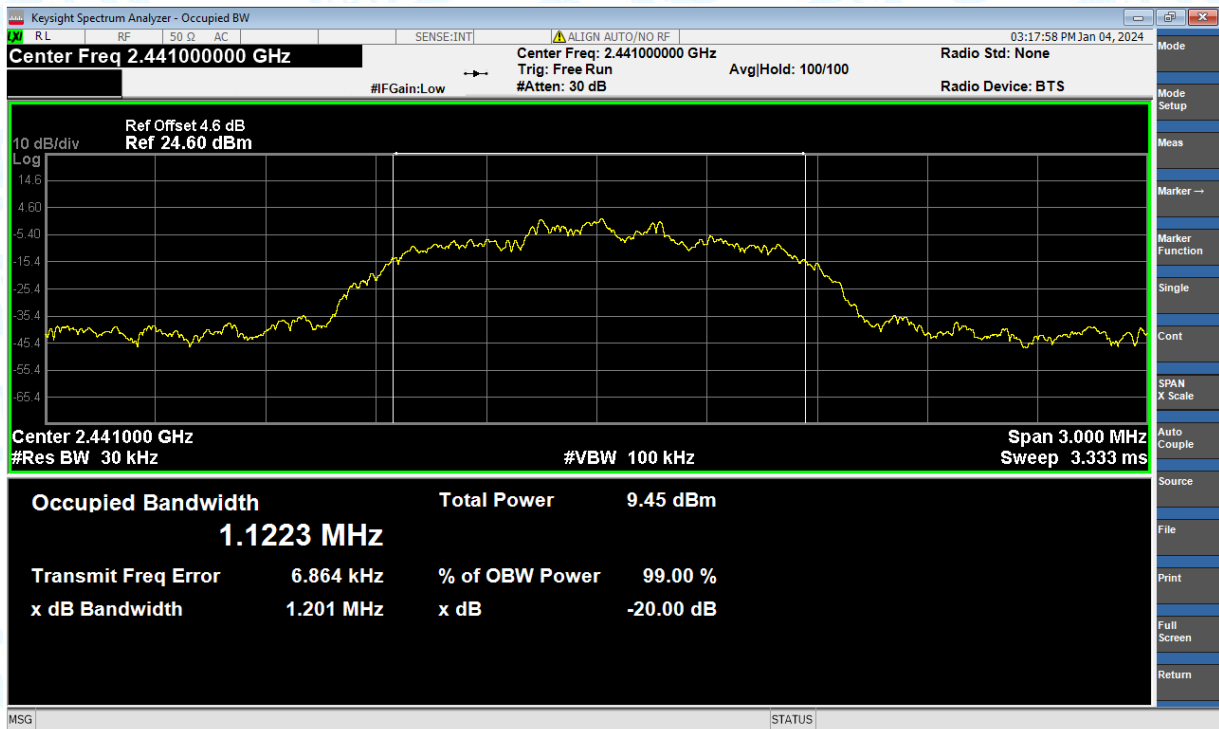
OBW NVNT 2-DH1 2480MHz Ant1

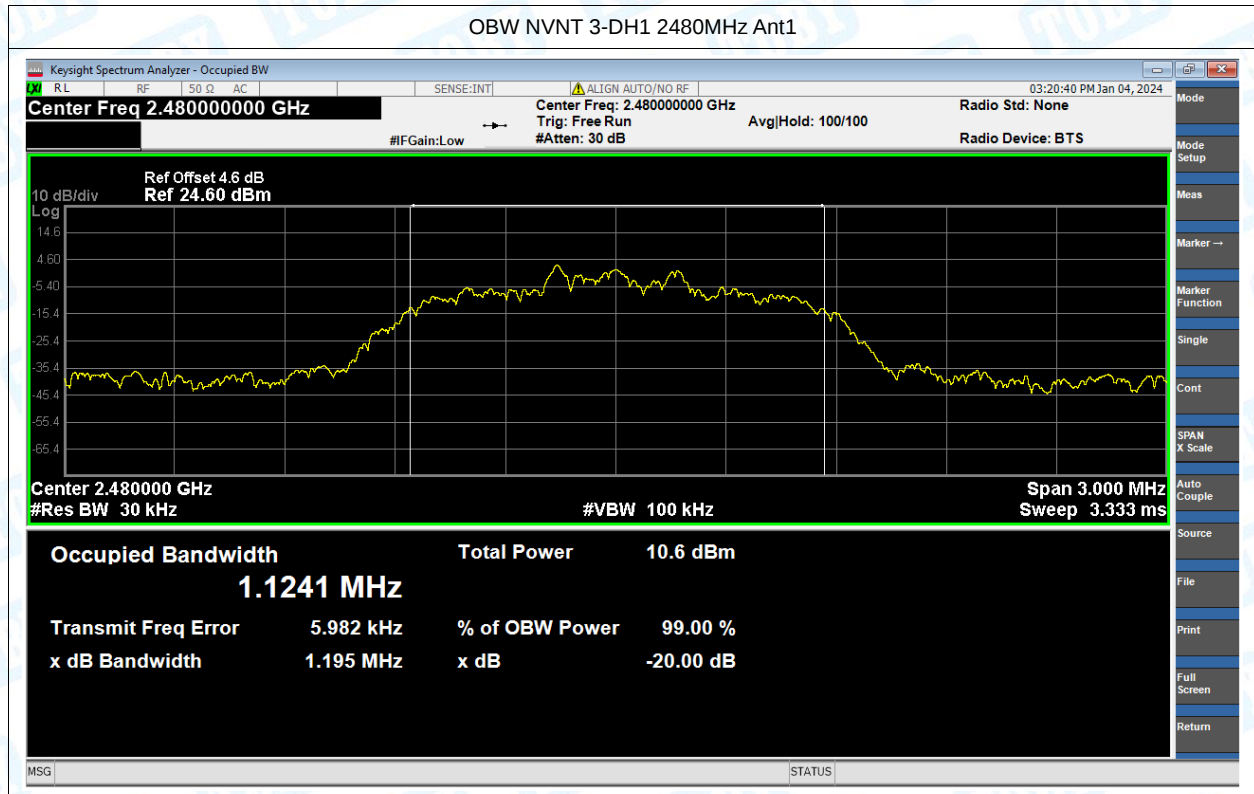


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



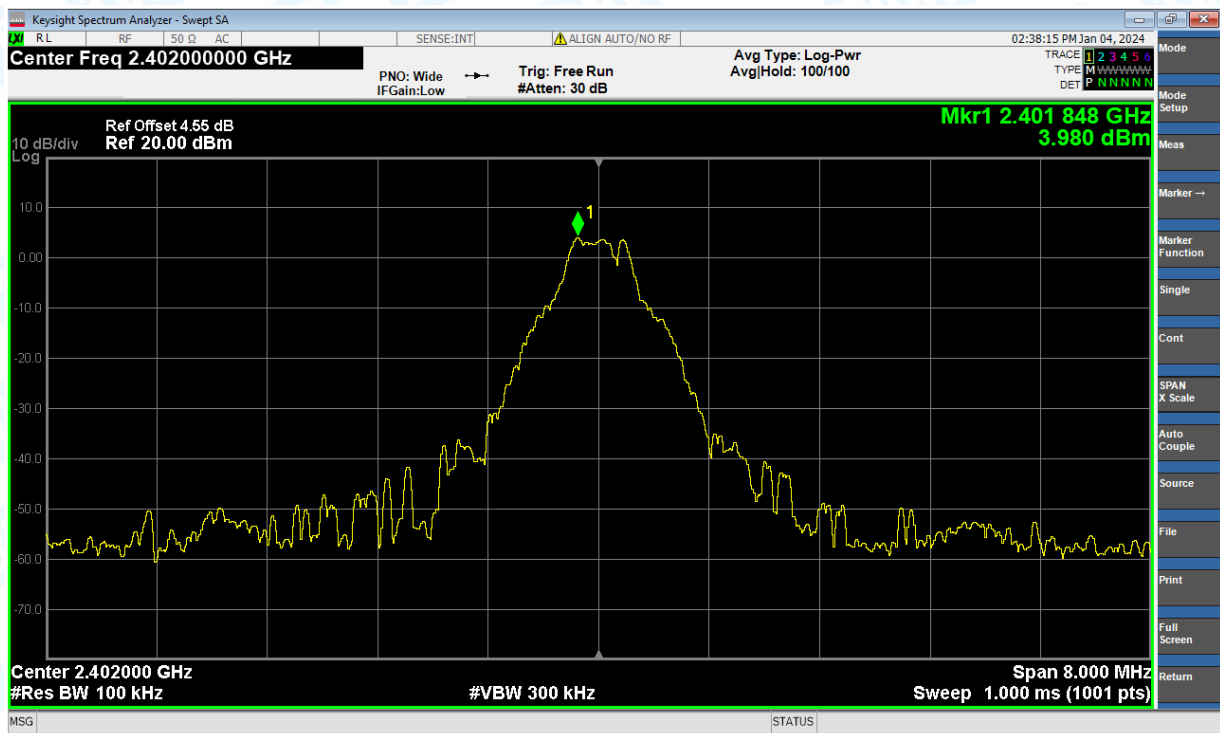


Band Edge

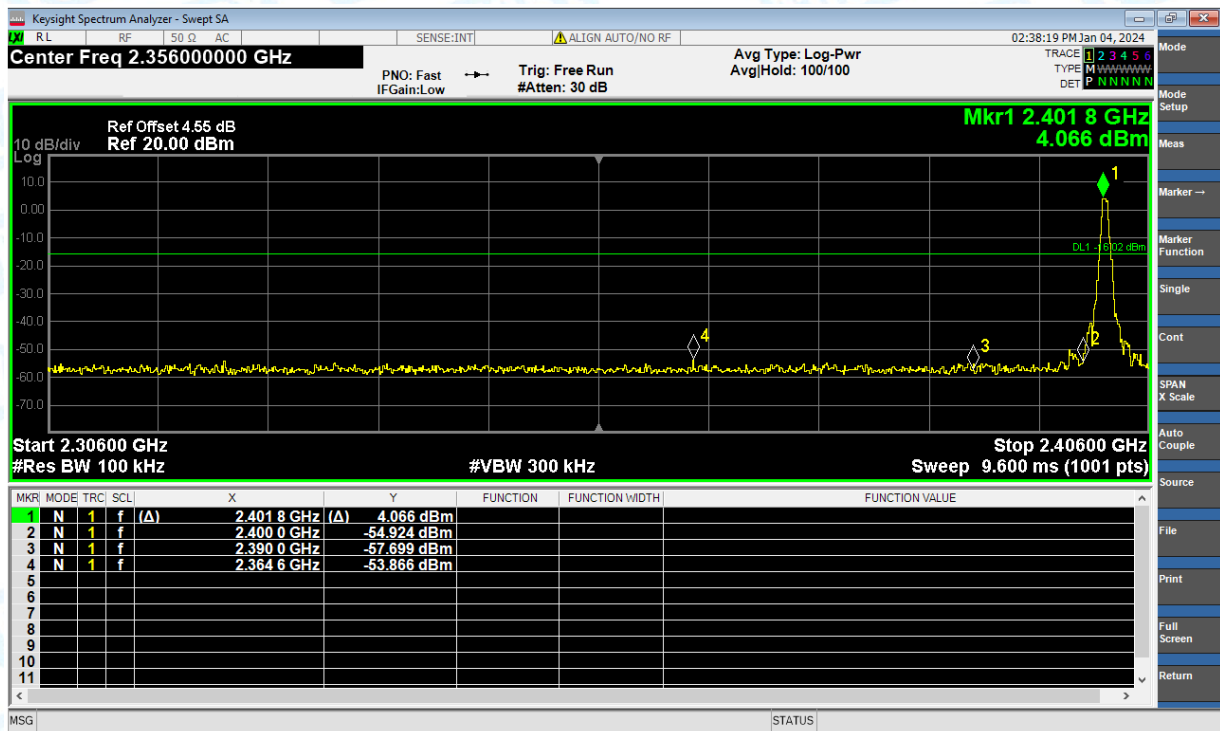
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.85	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-58.19	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-57.17	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-58.71	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-58.51	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-58.27	-20	Pass

Test Graphs

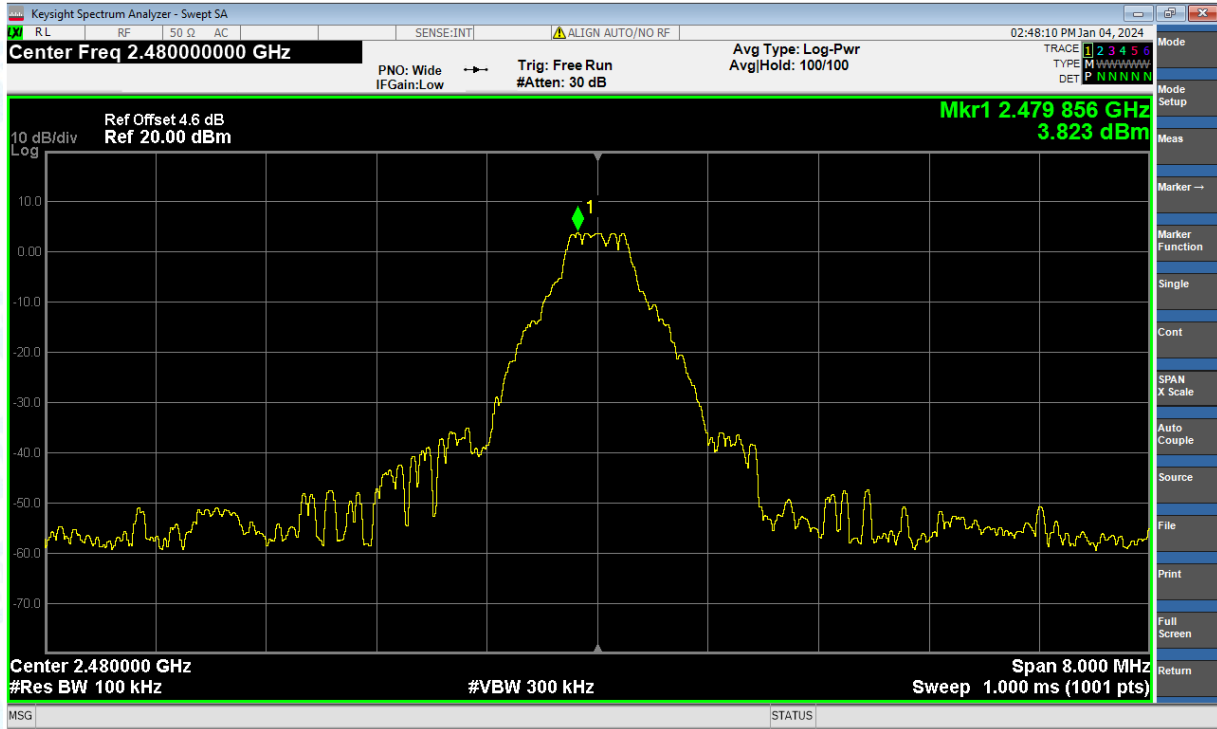
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



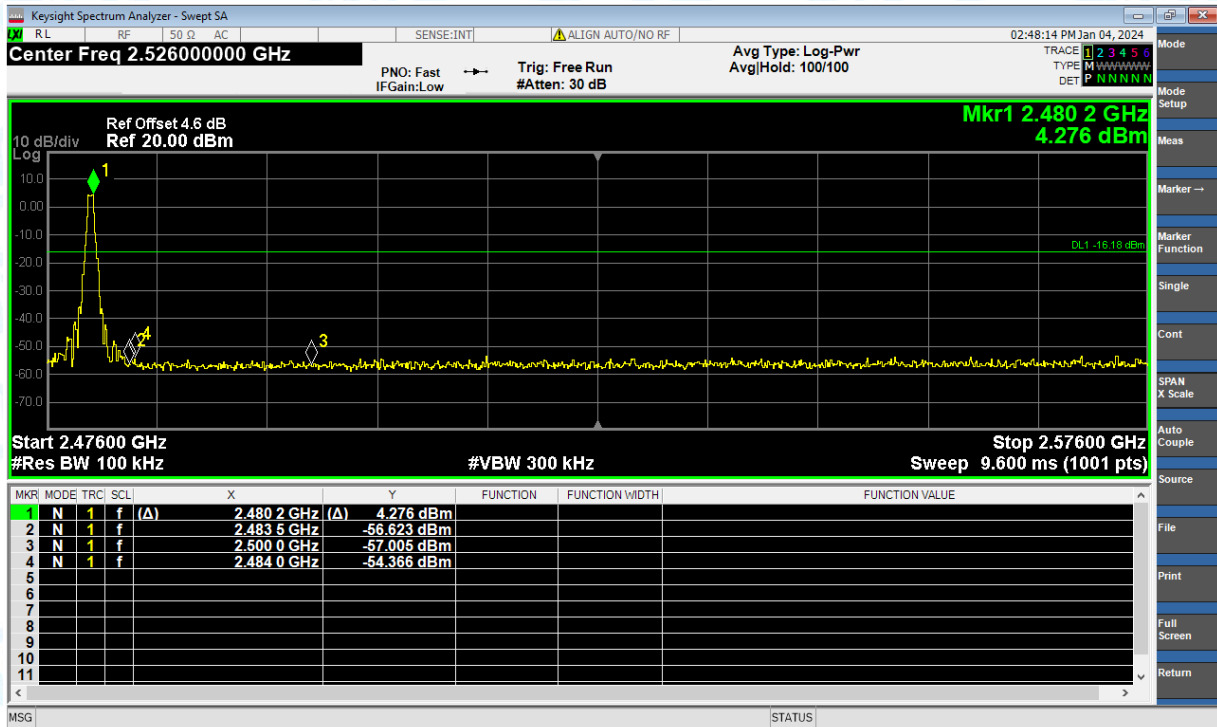
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



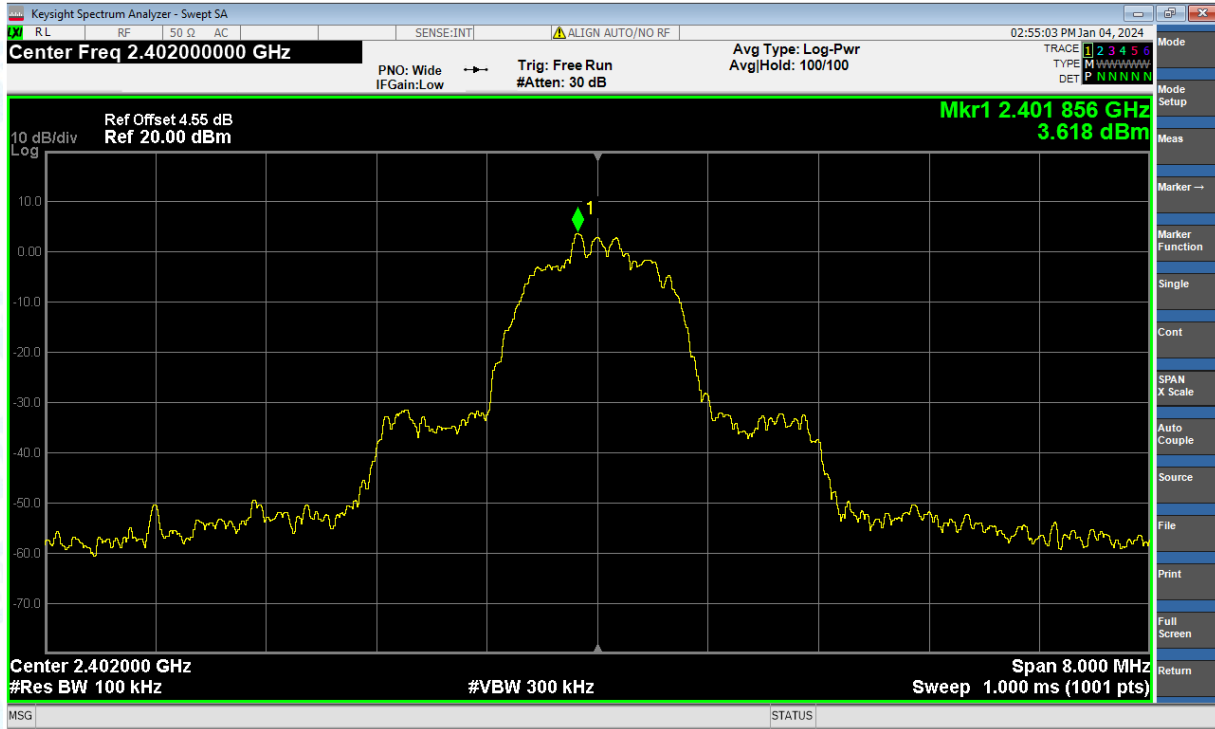
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



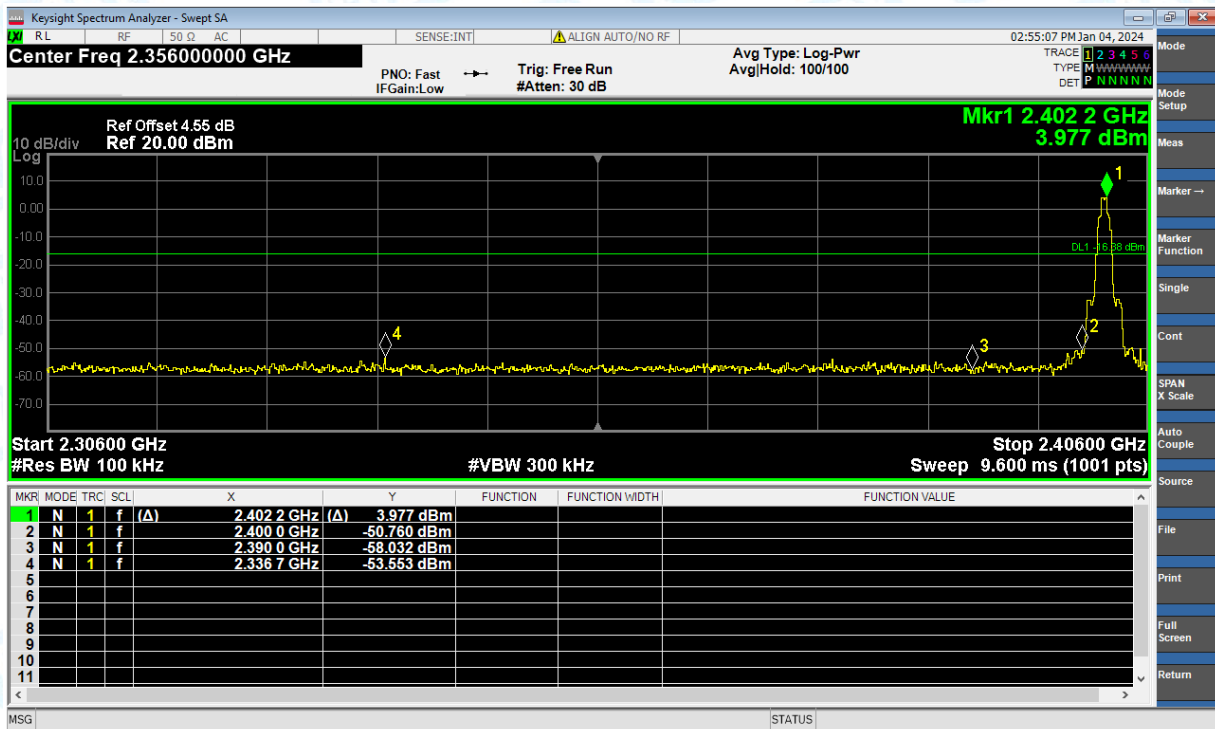
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



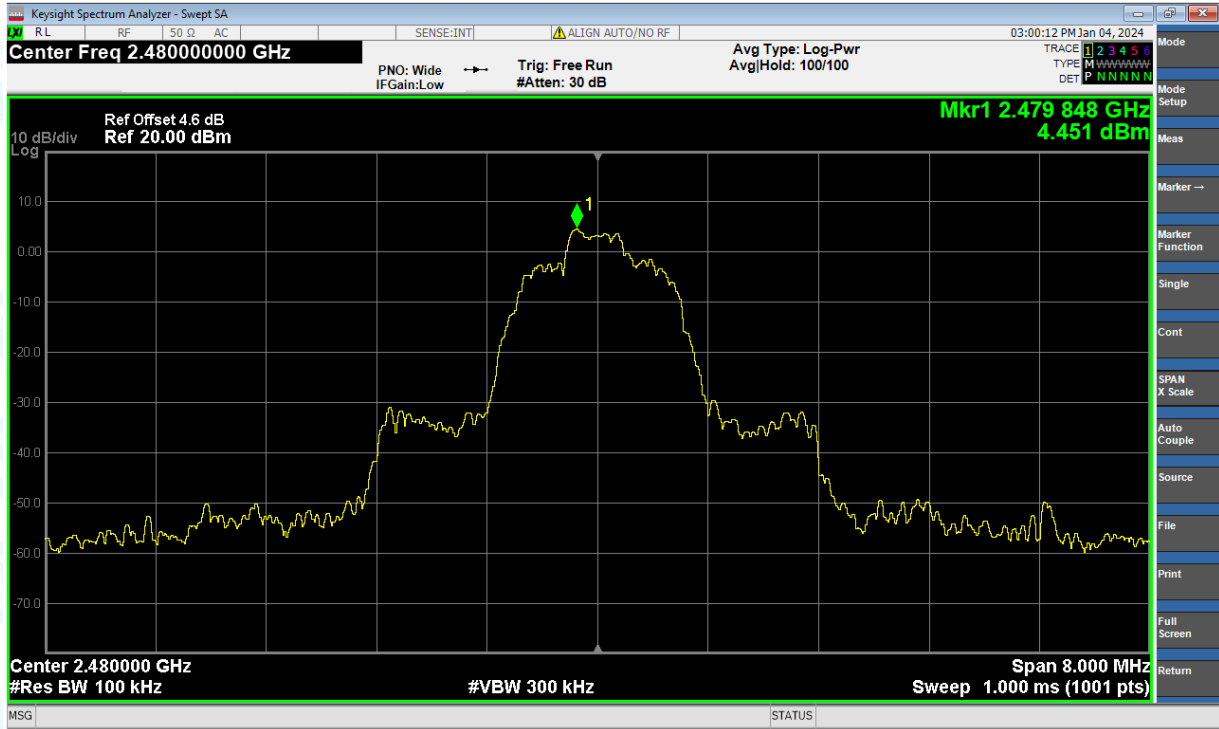
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



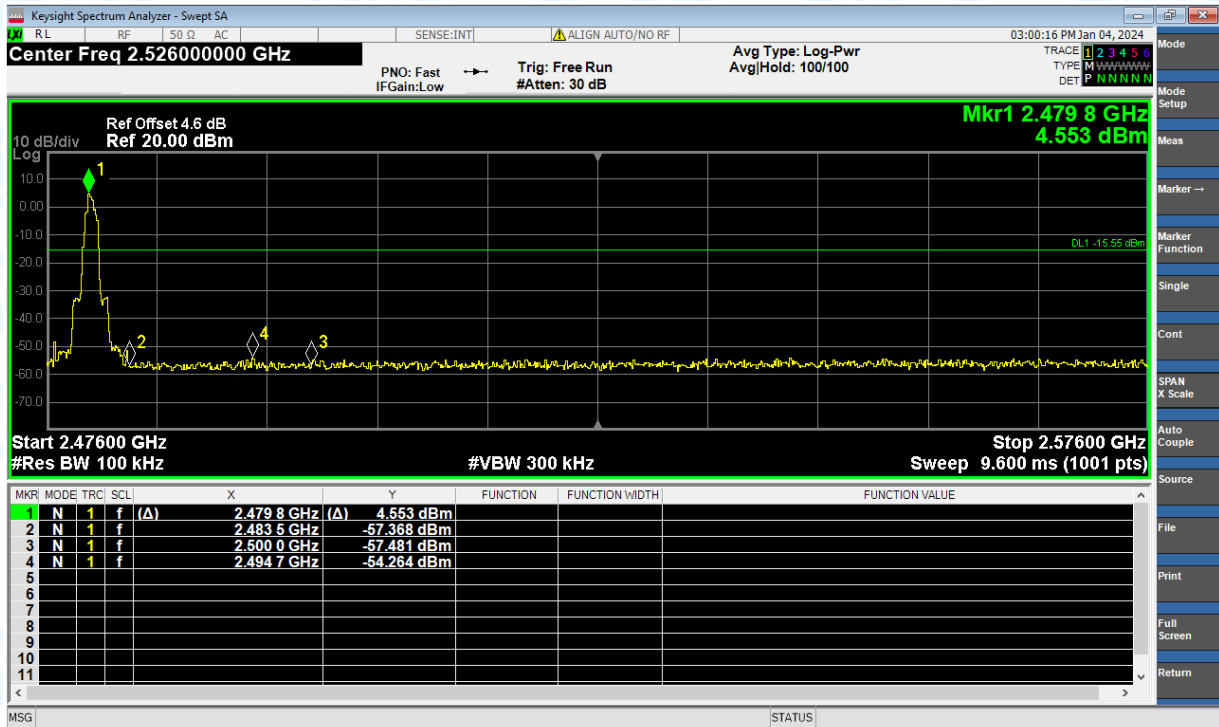
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



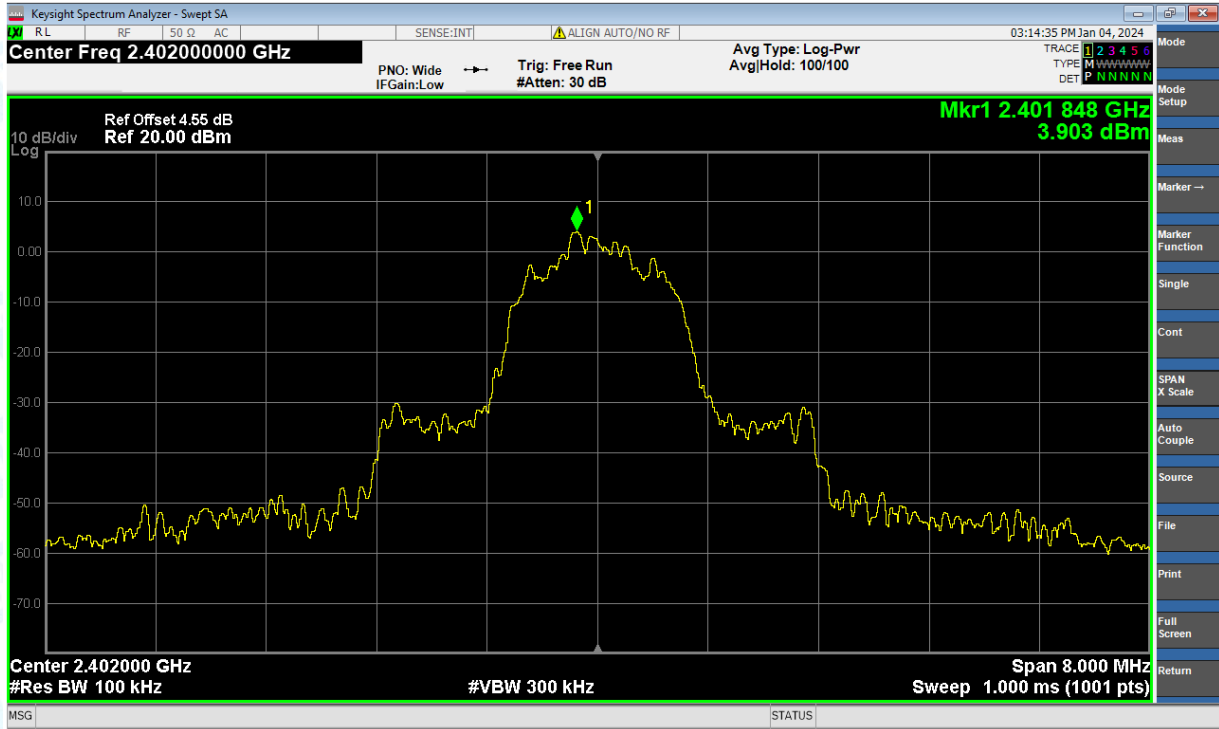
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



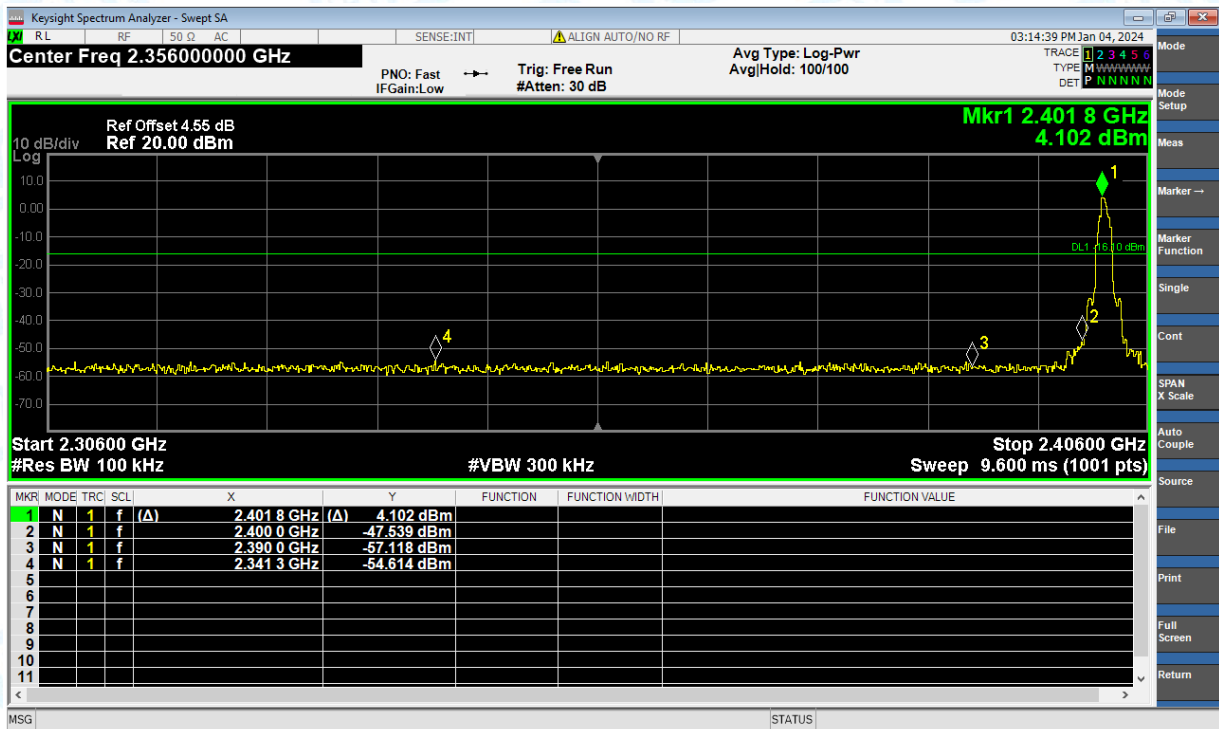
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



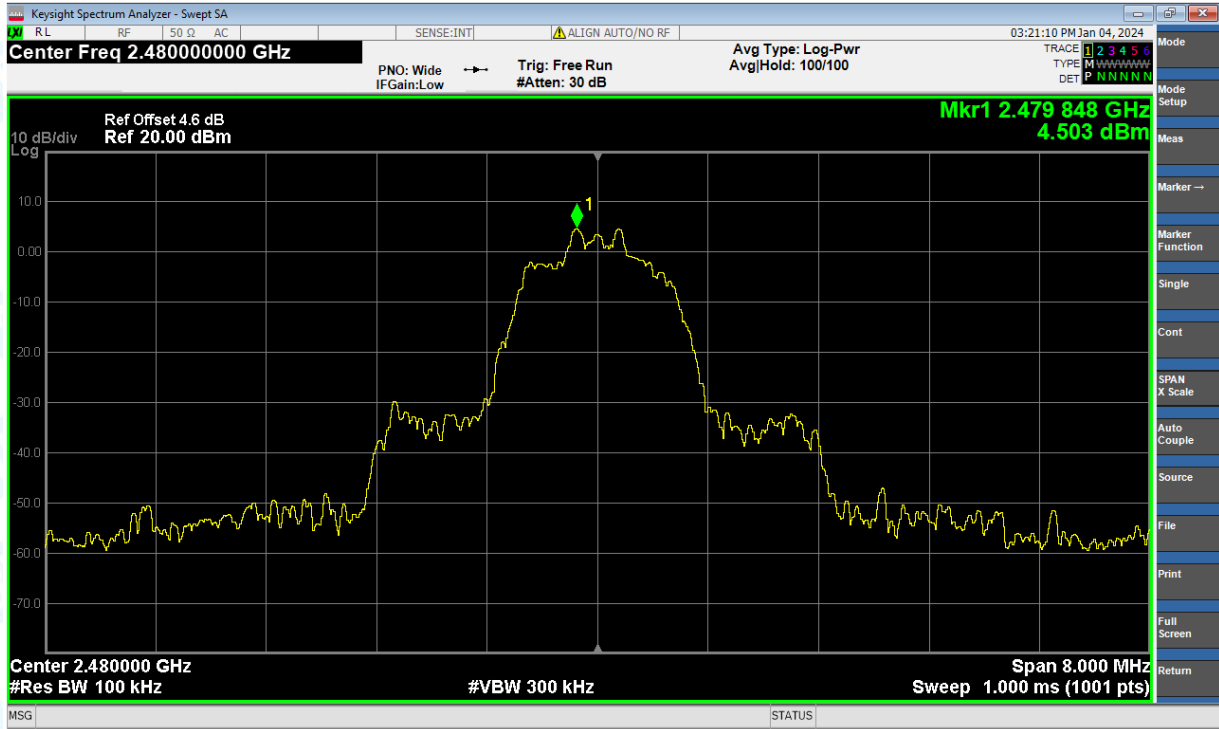
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



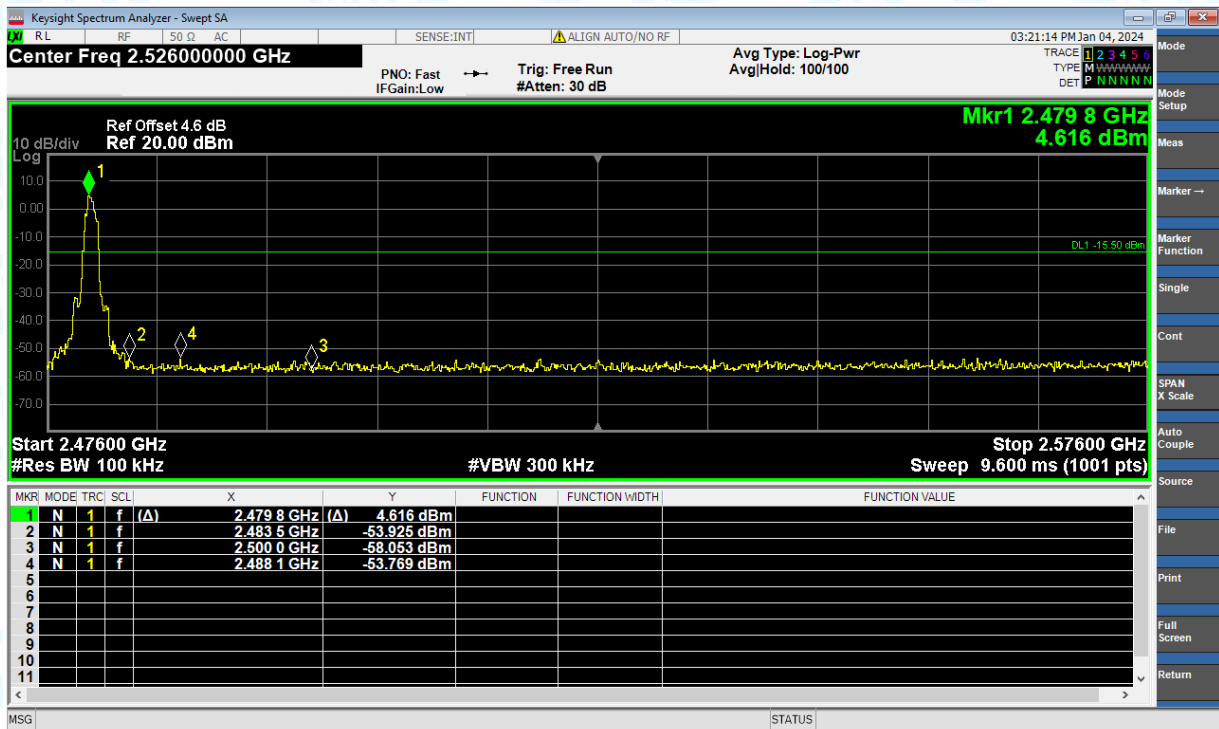
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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

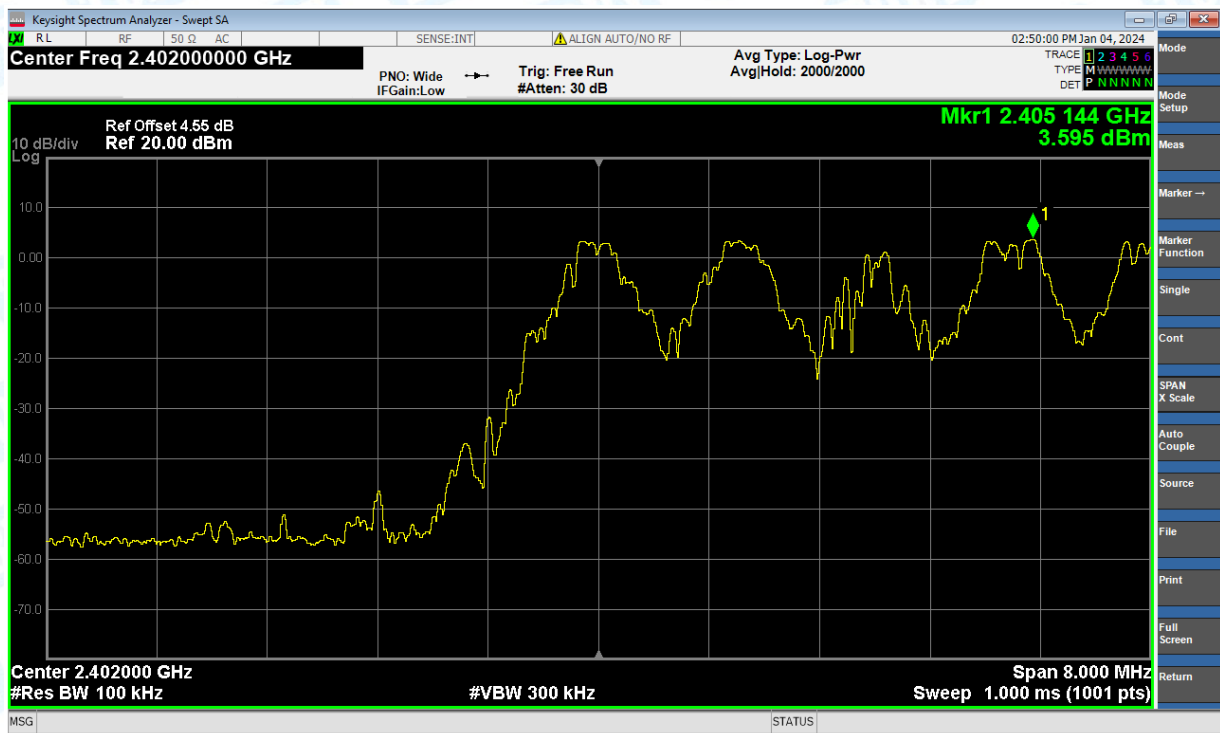


Band Edge(Hopping)

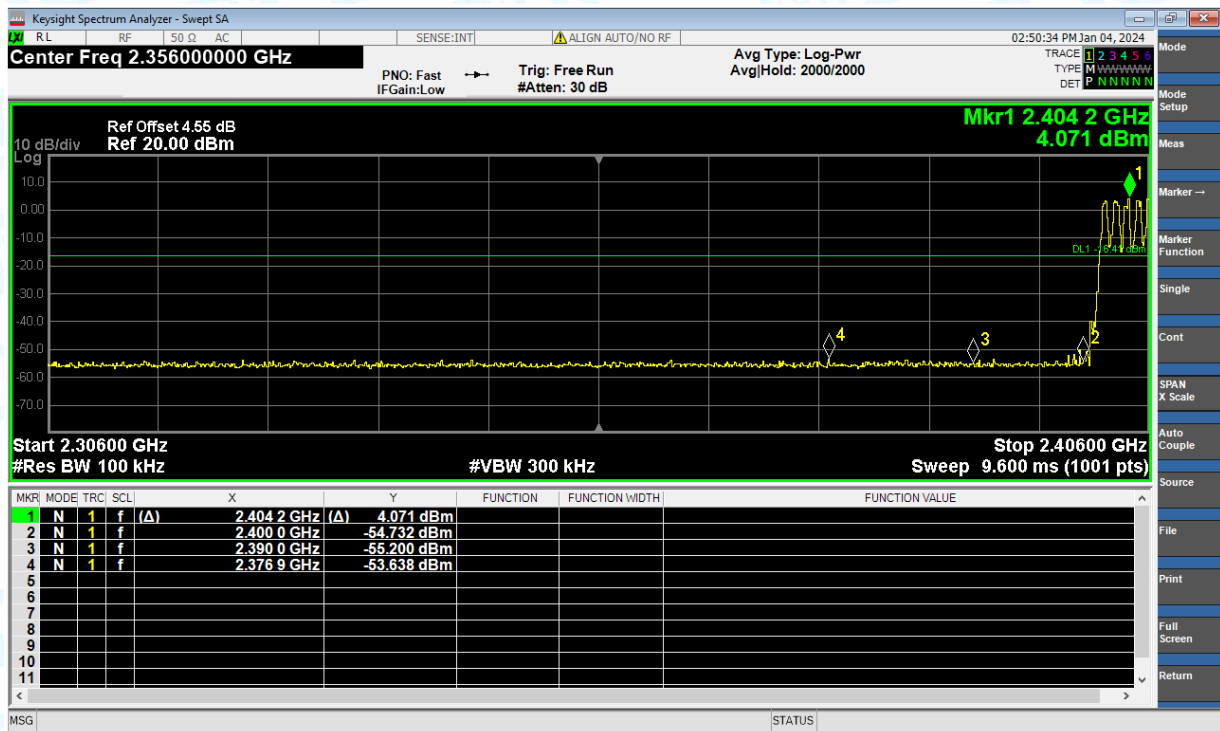
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-57.24	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-58.3	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-57.43	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-57.93	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-57.45	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-58.26	-20	Pass

Test Graphs

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



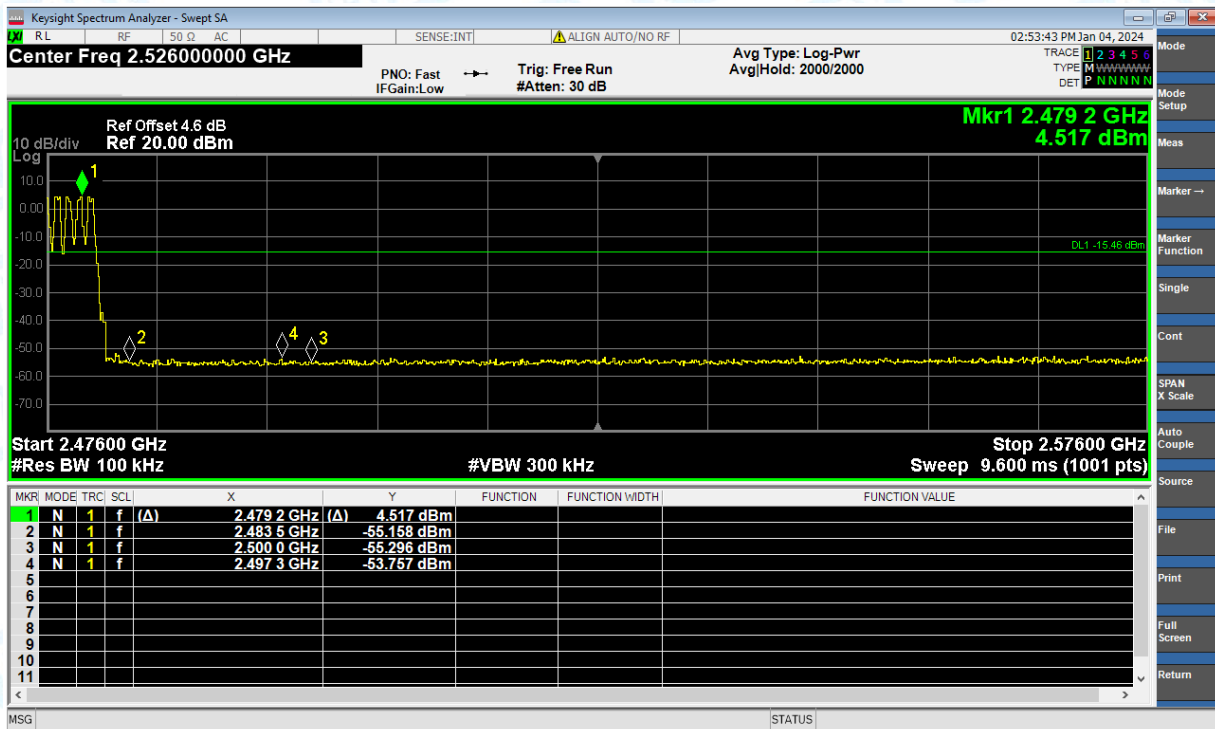
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



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



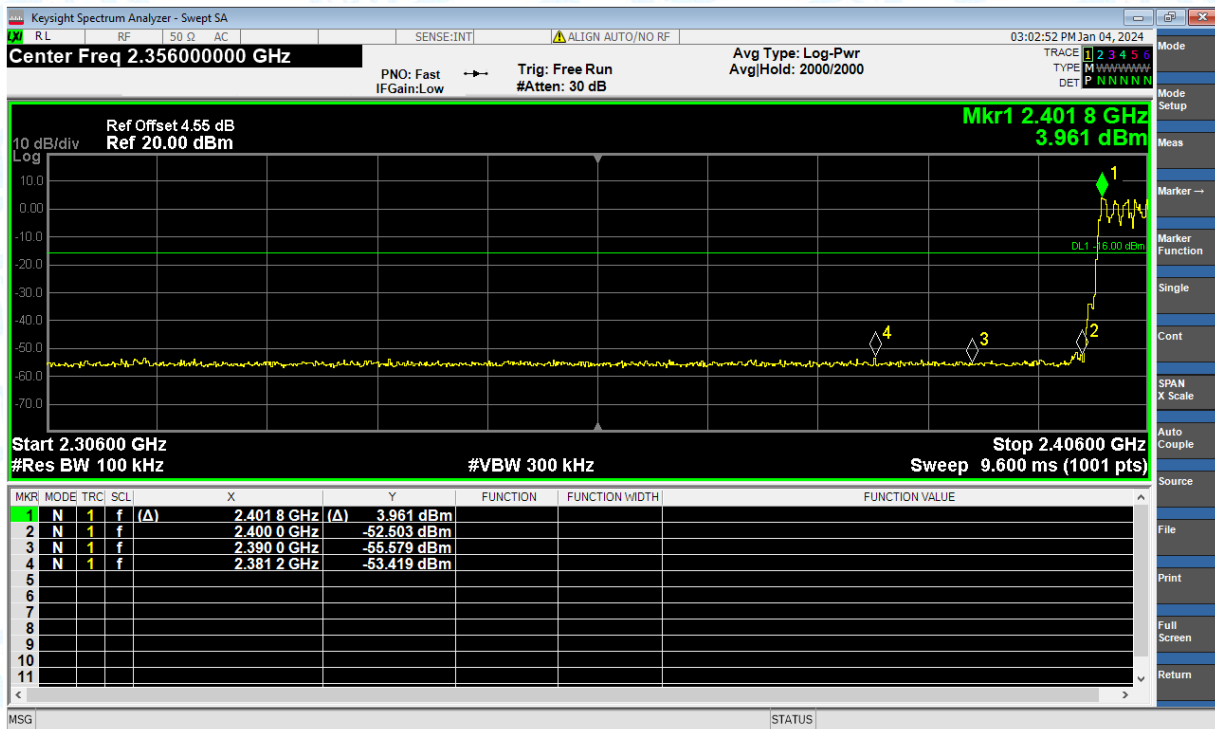
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



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



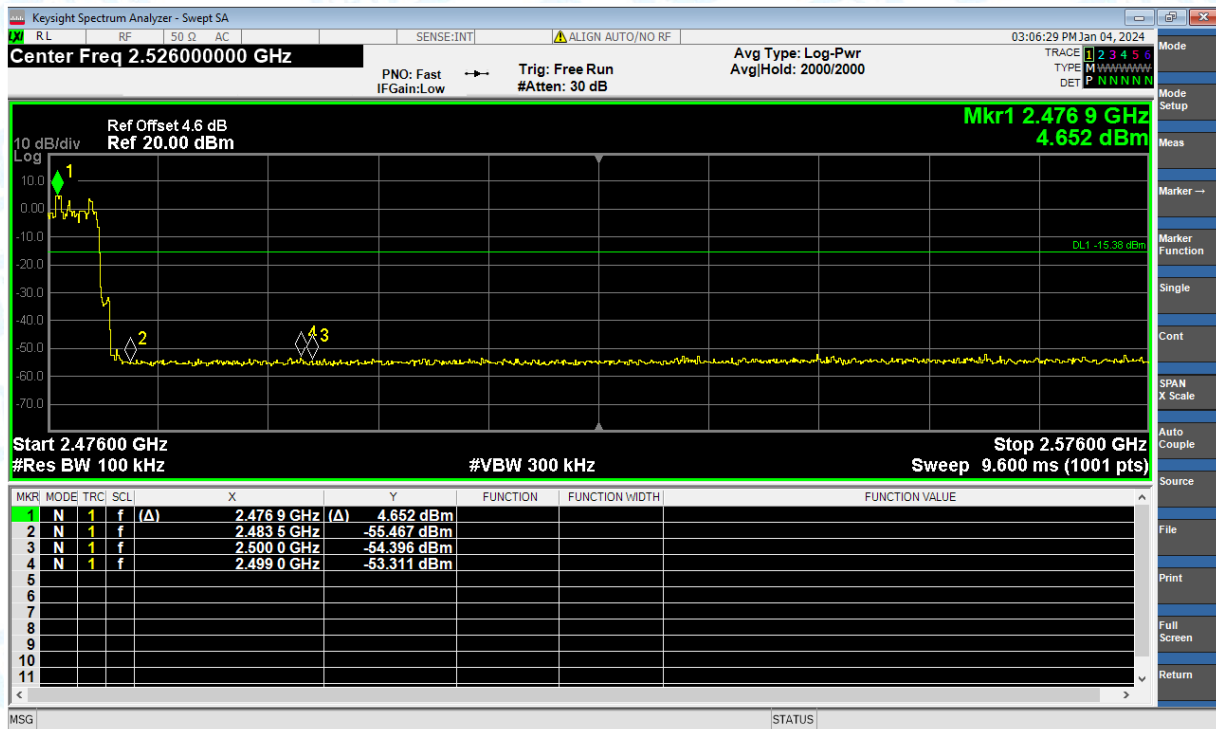
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



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



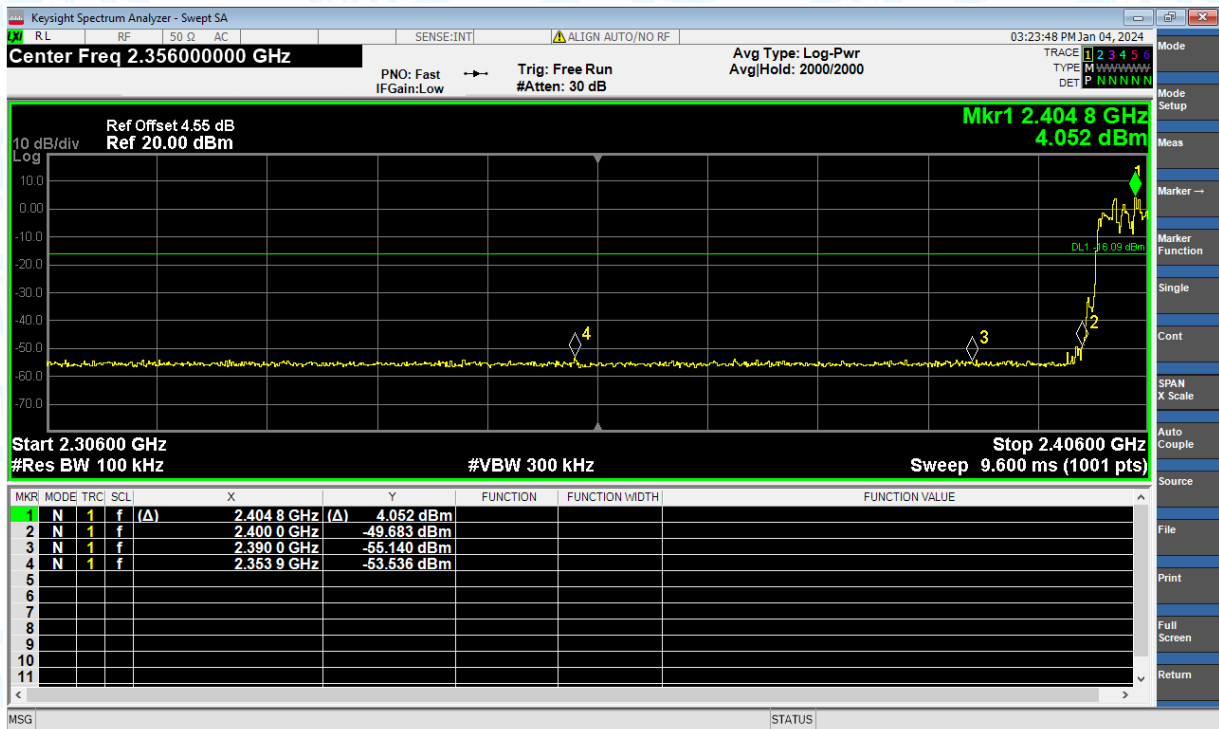
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



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



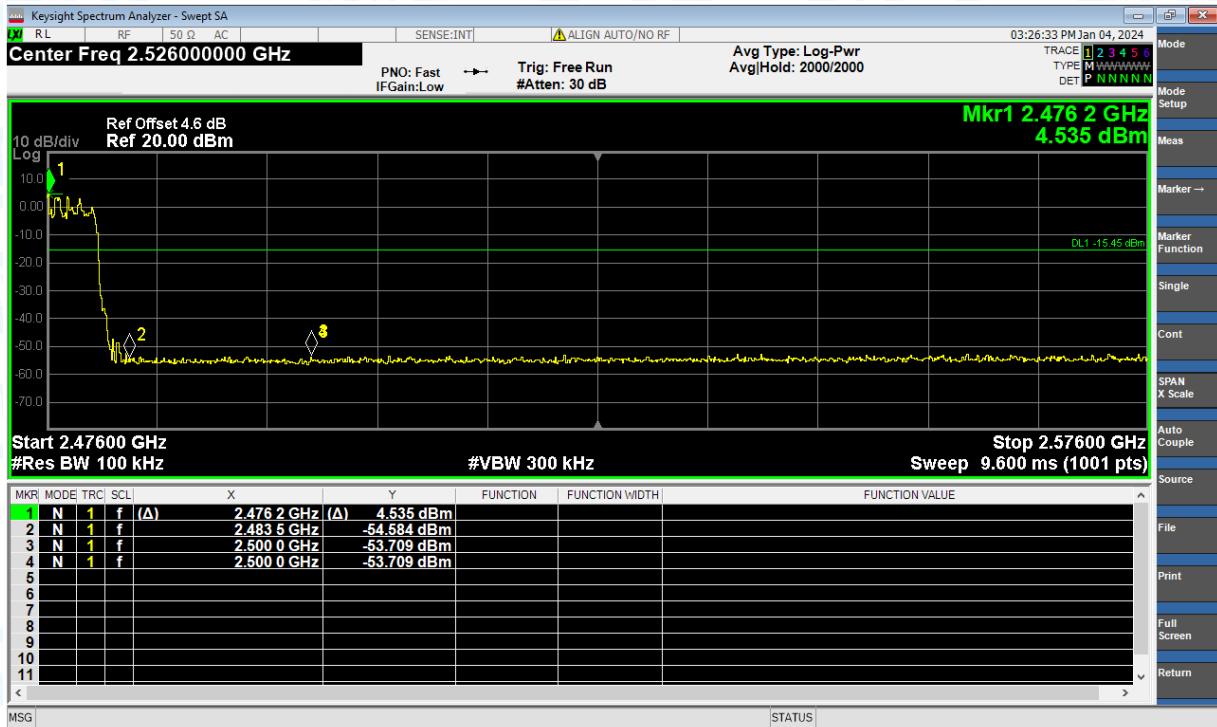
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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

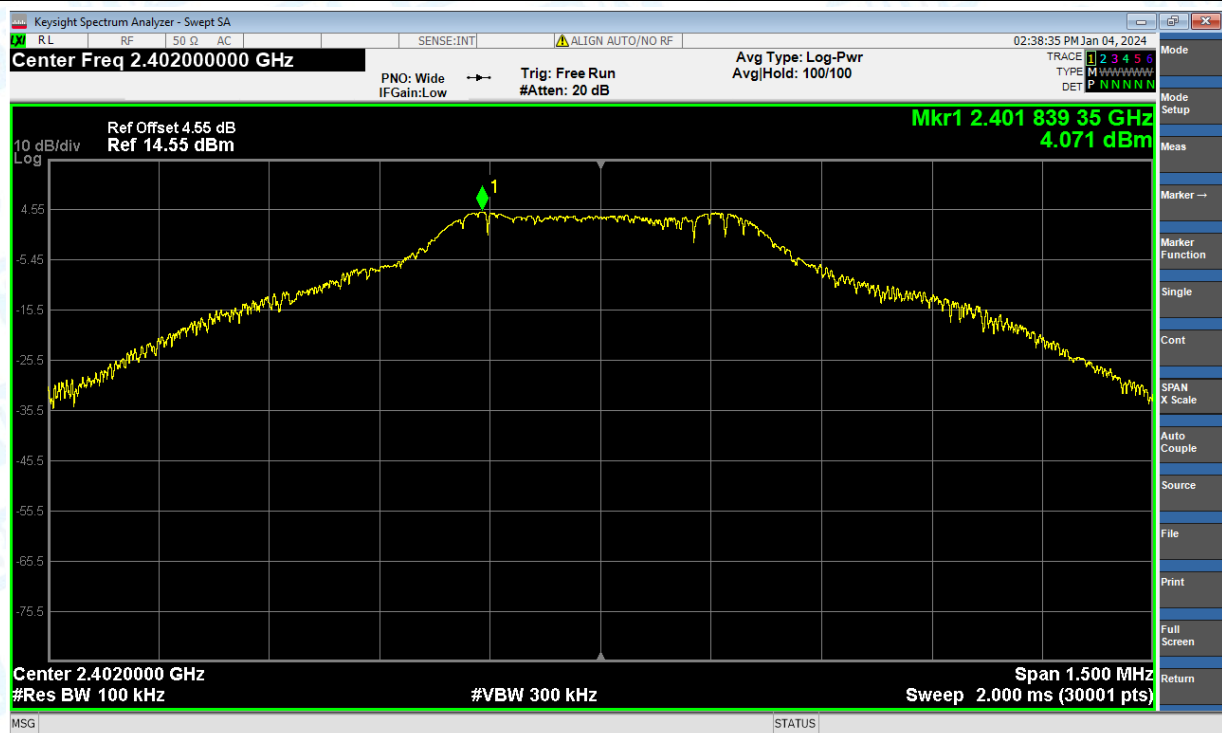


Conducted RF Spurious Emission

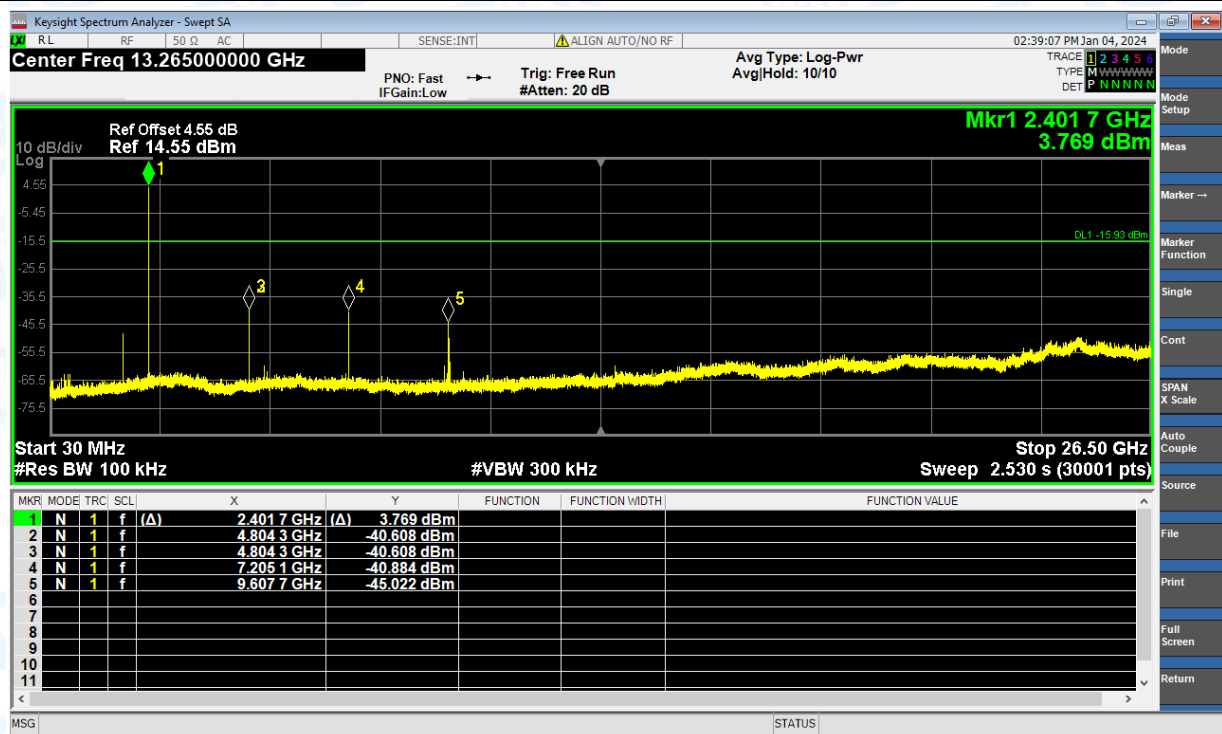
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-44.68	-20	Pass
NVNT	1-DH1	2441	Ant1	-42.77	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.4	-20	Pass
NVNT	2-DH1	2402	Ant1	-48.43	-20	Pass
NVNT	2-DH1	2441	Ant1	-44.81	-20	Pass
NVNT	2-DH1	2480	Ant1	-47.89	-20	Pass
NVNT	3-DH1	2402	Ant1	-46.11	-20	Pass
NVNT	3-DH1	2441	Ant1	-47.77	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.73	-20	Pass

Test Graphs

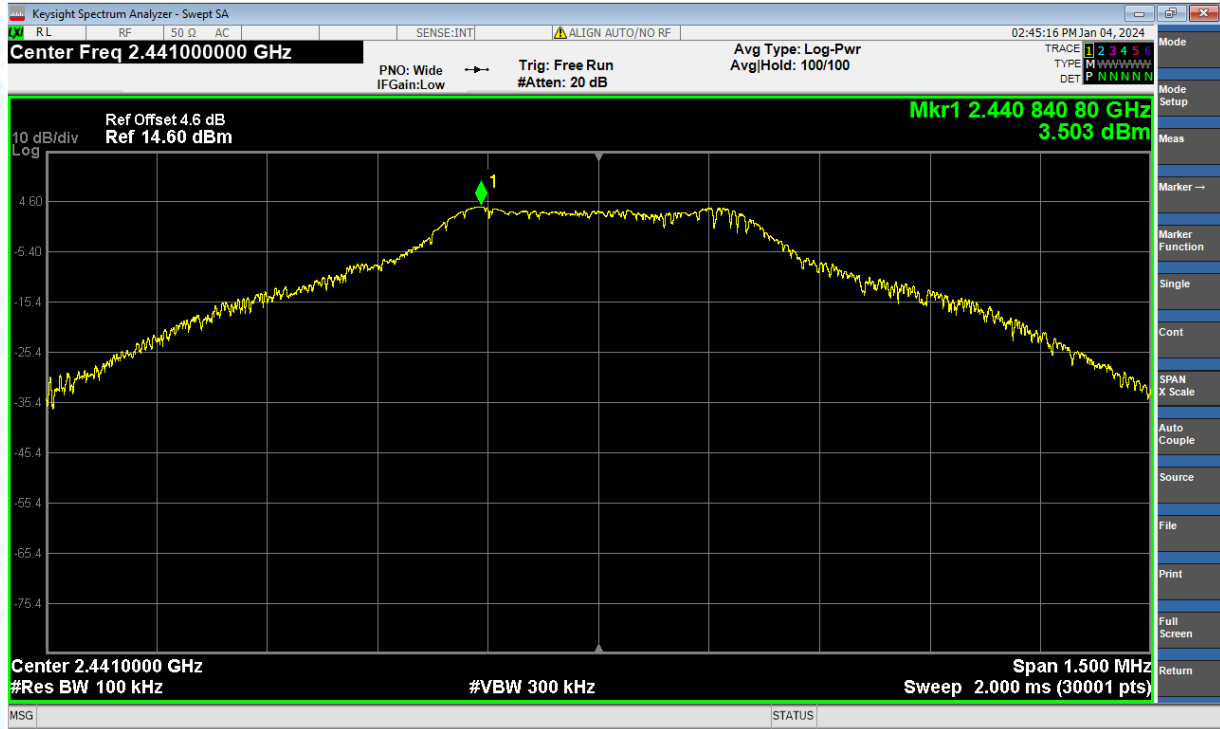
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



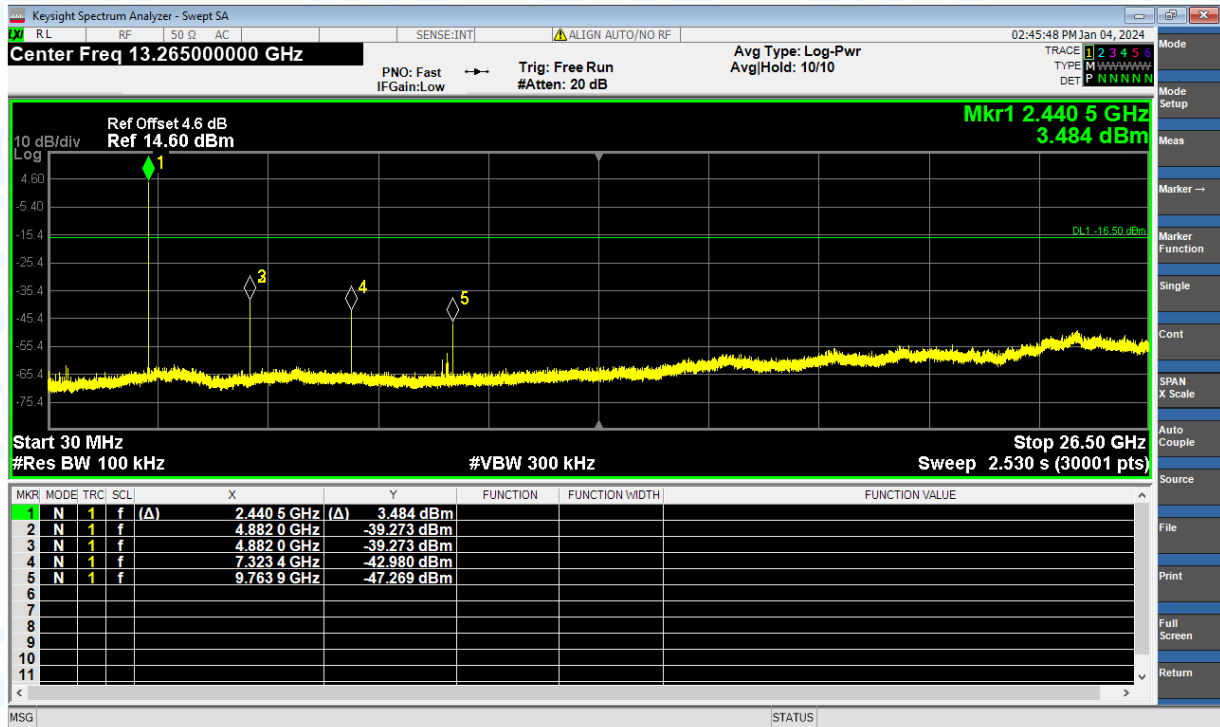
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



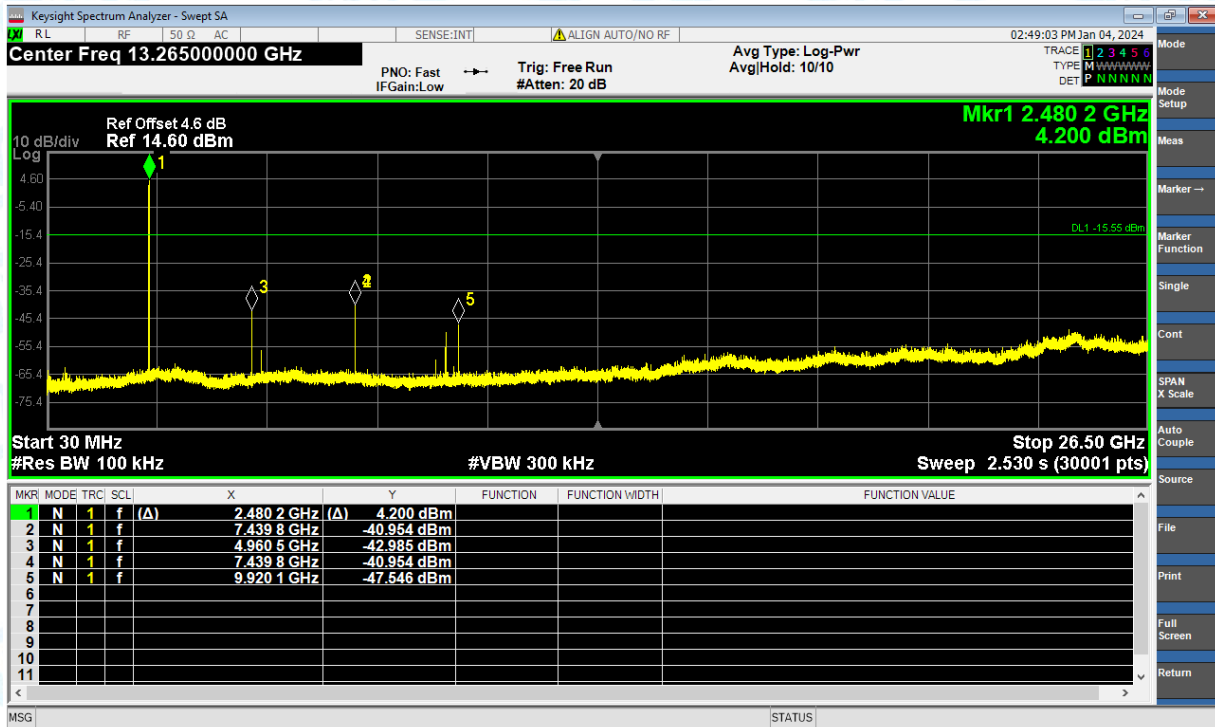
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



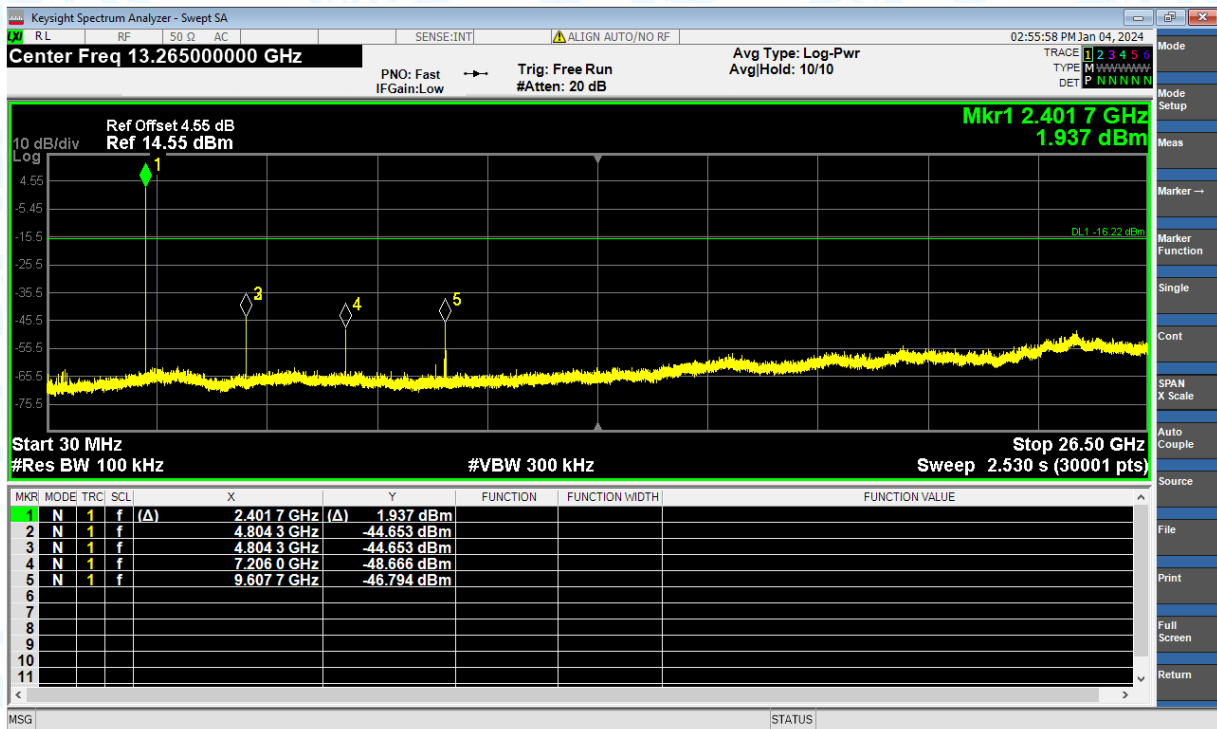
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



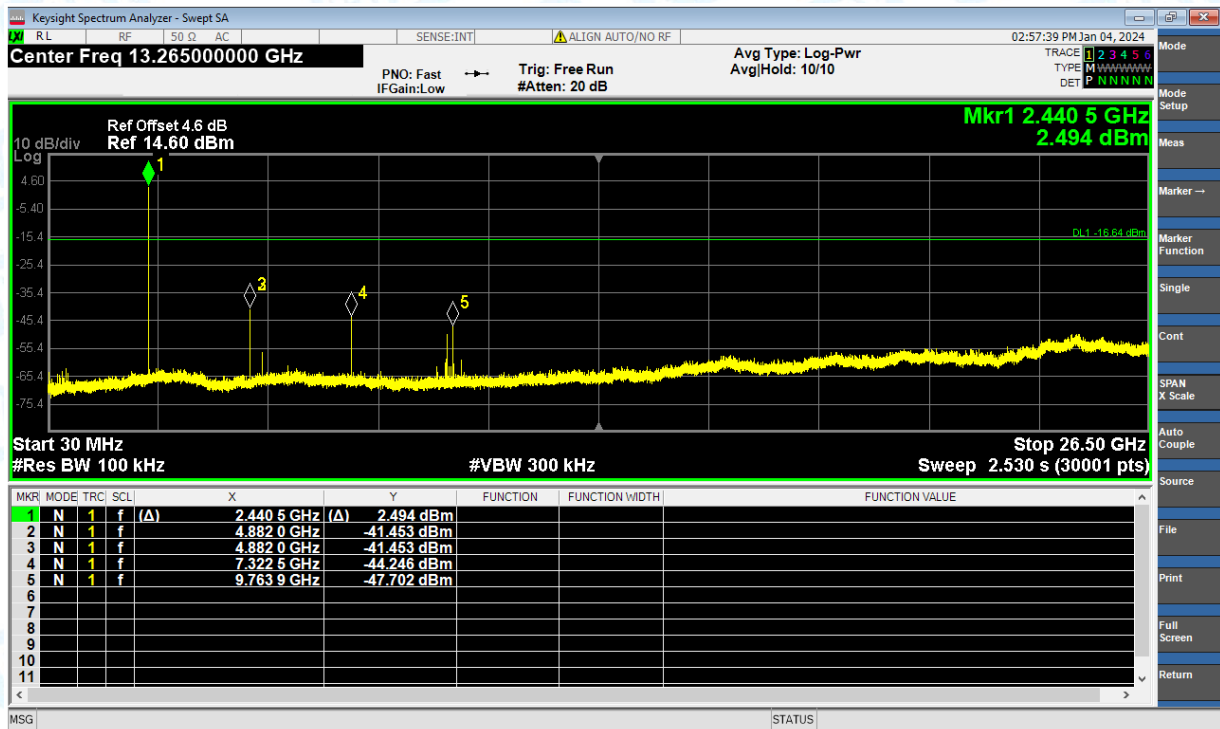
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



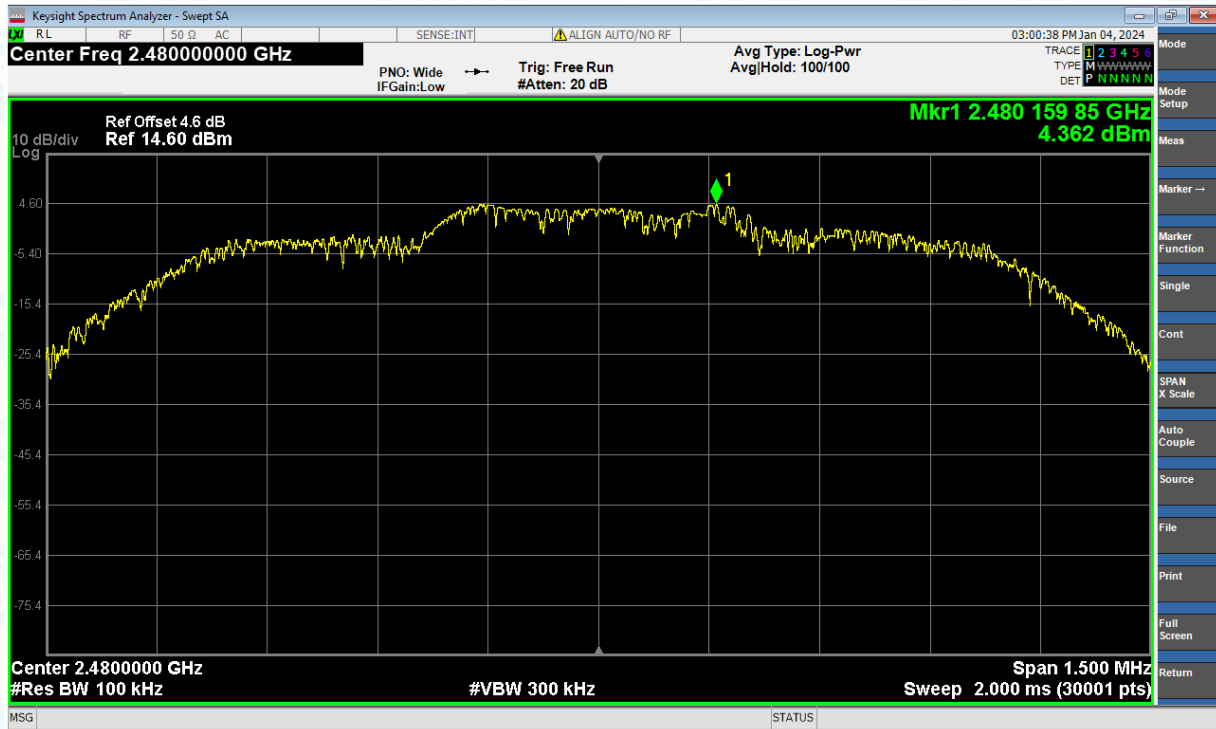
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



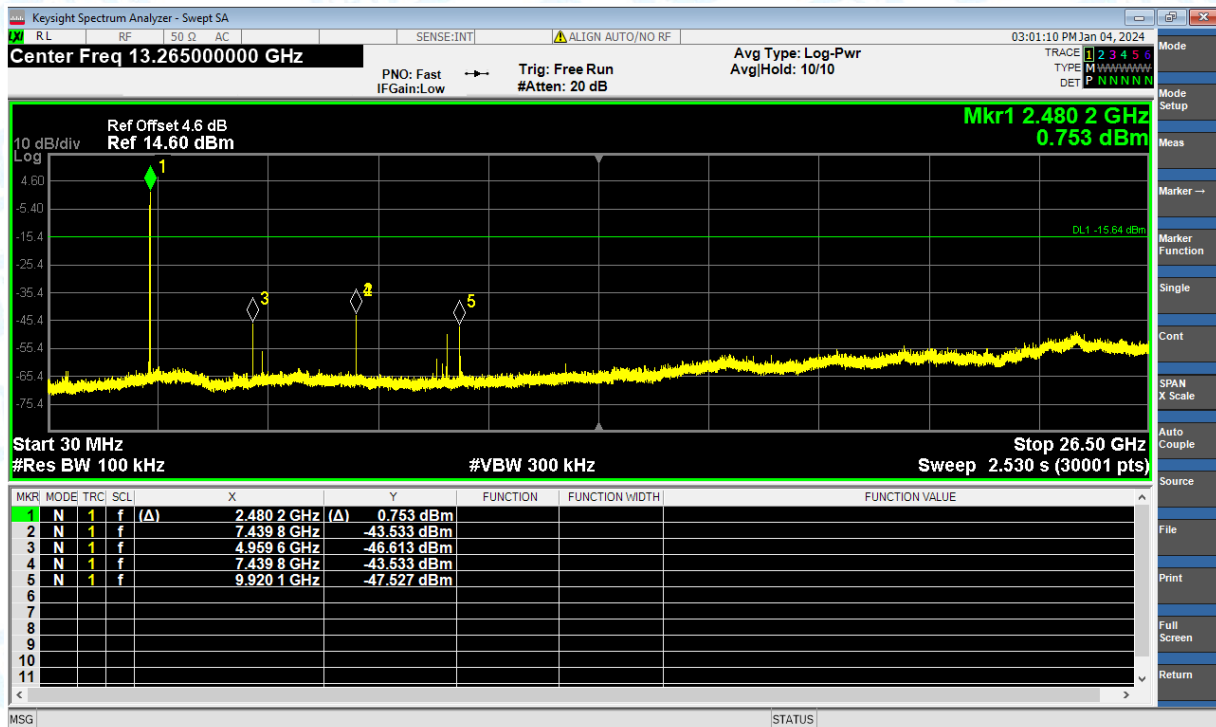
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



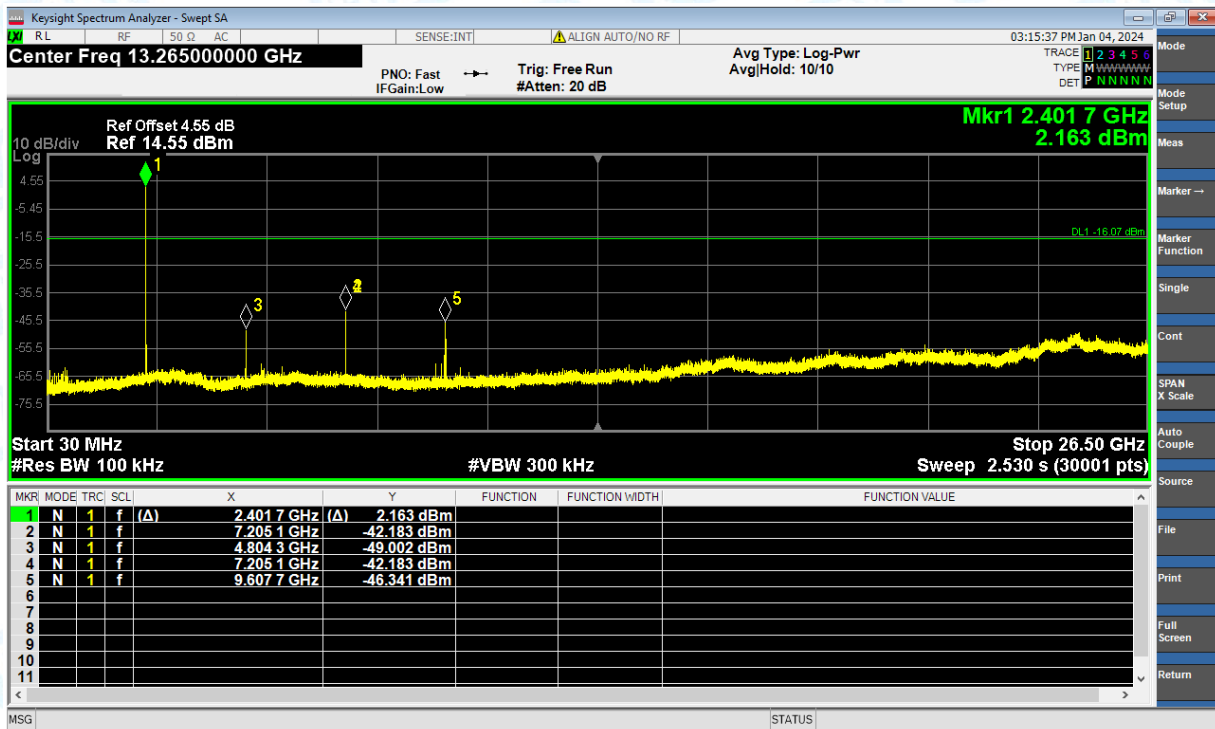
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



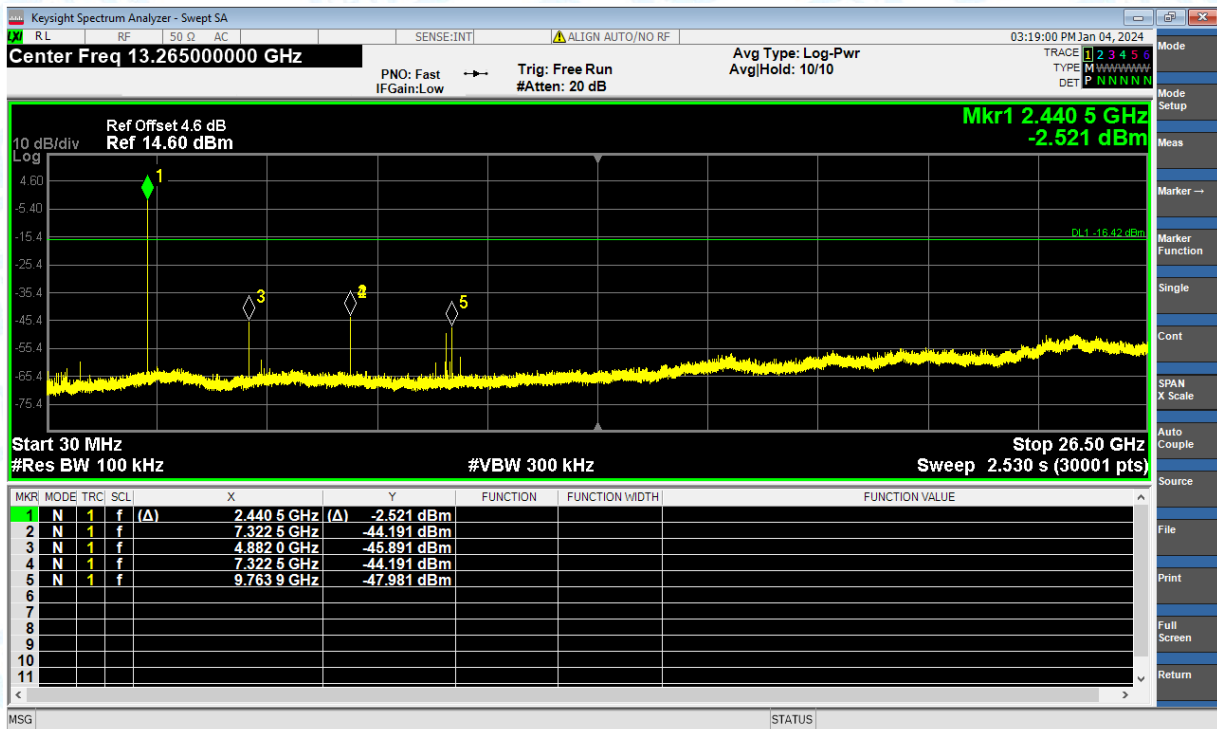
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



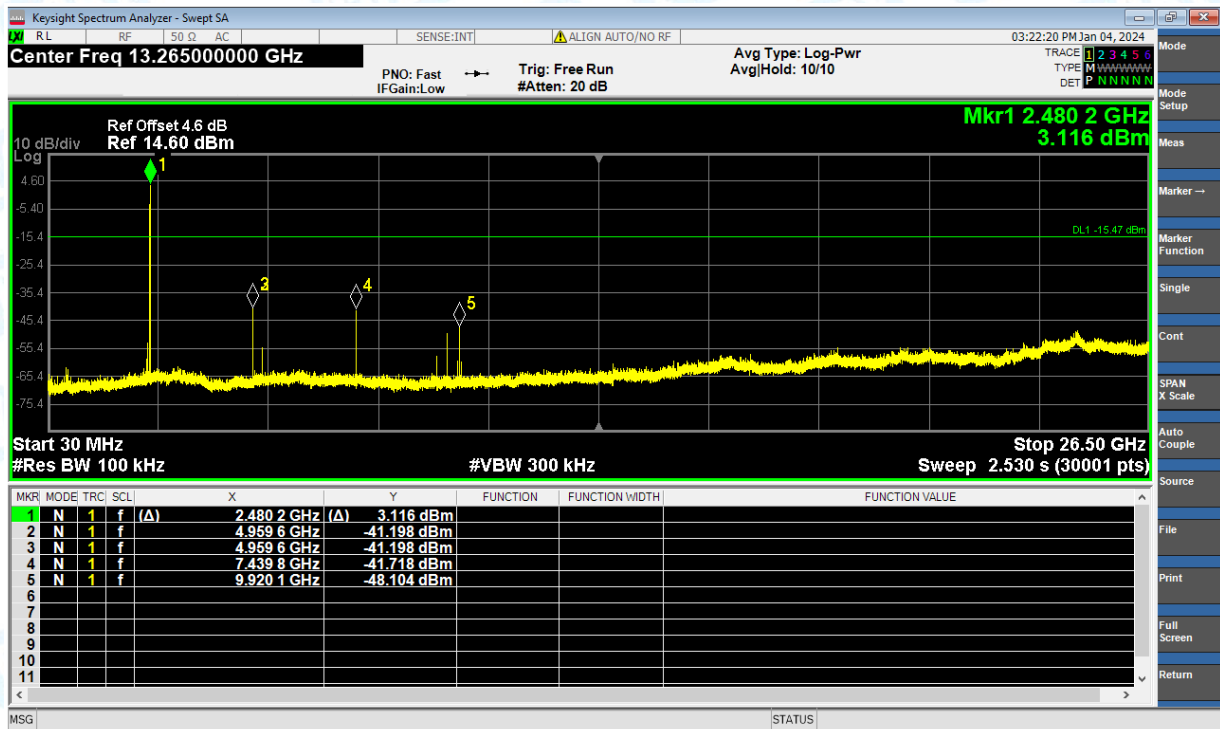
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

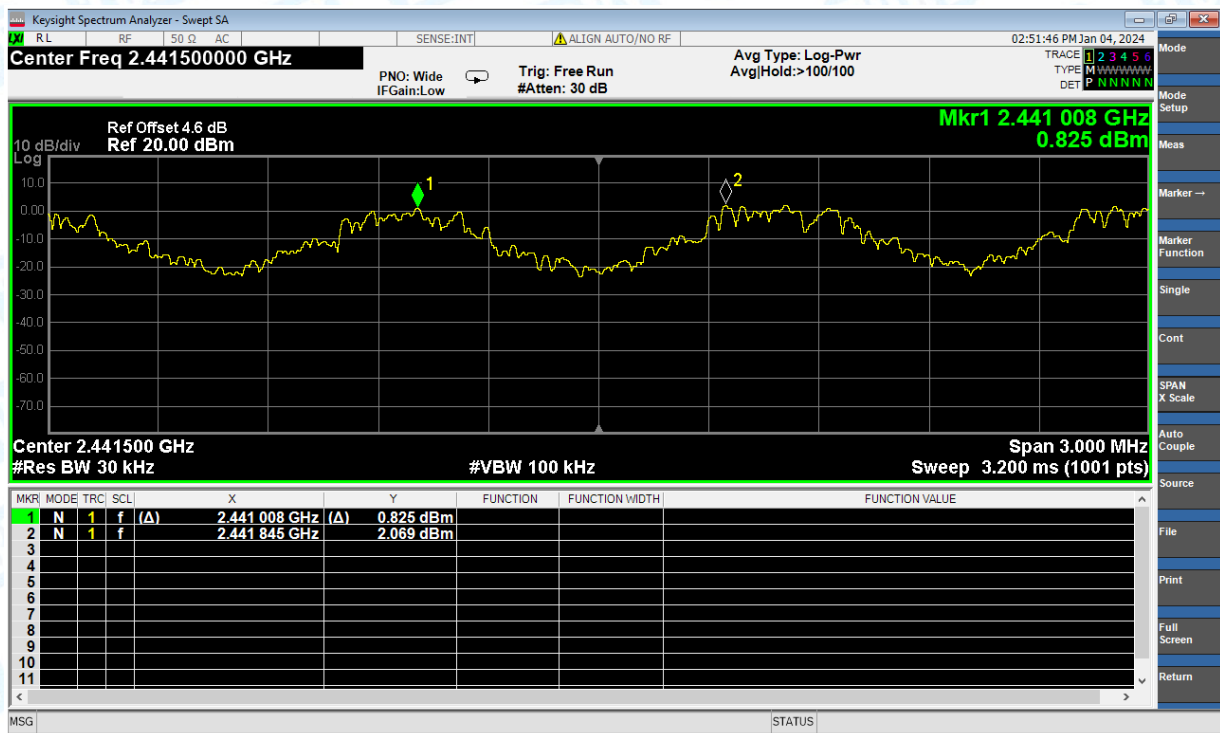


Carrier Frequencies Separation

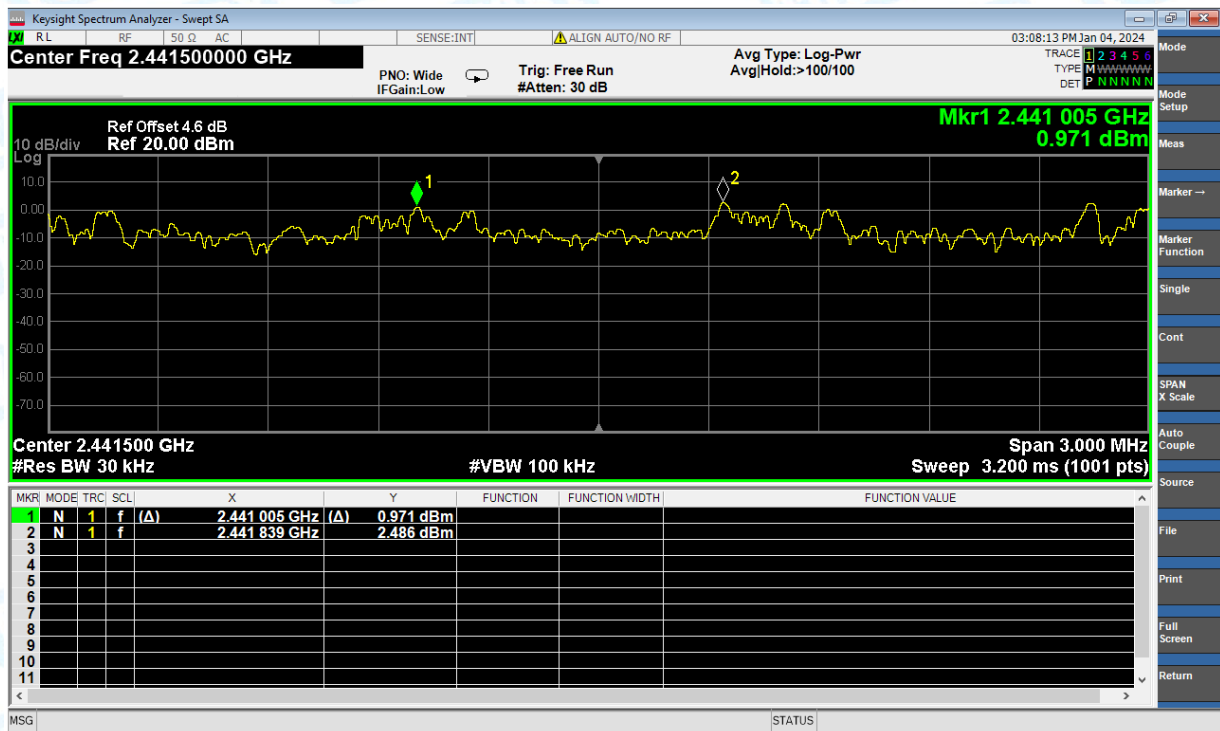
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.008	2441.845	0.837	0.58	Pass
NVNT	2-DH1	Ant1	2441.005	2441.839	0.834	0.827	Pass
NVNT	3-DH1	Ant1	2440.834	2441.845	1.011	0.807	Pass

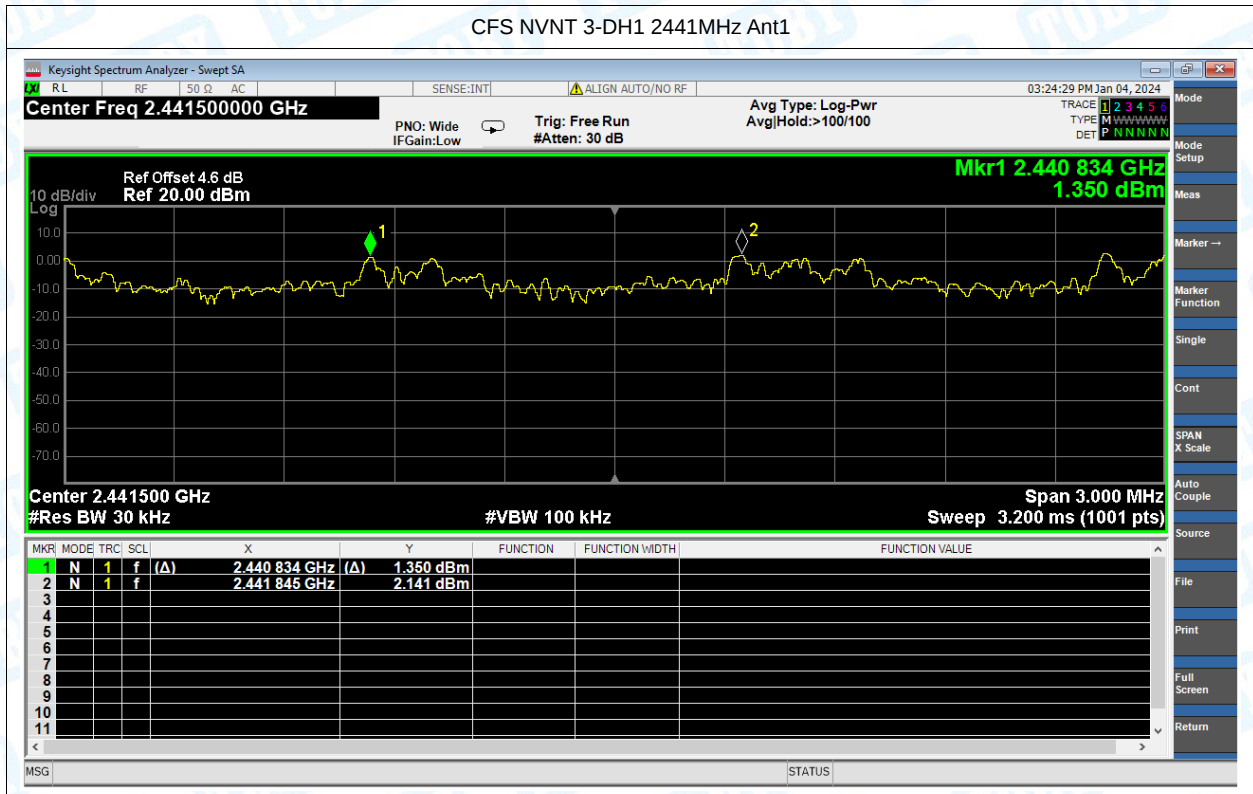
Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



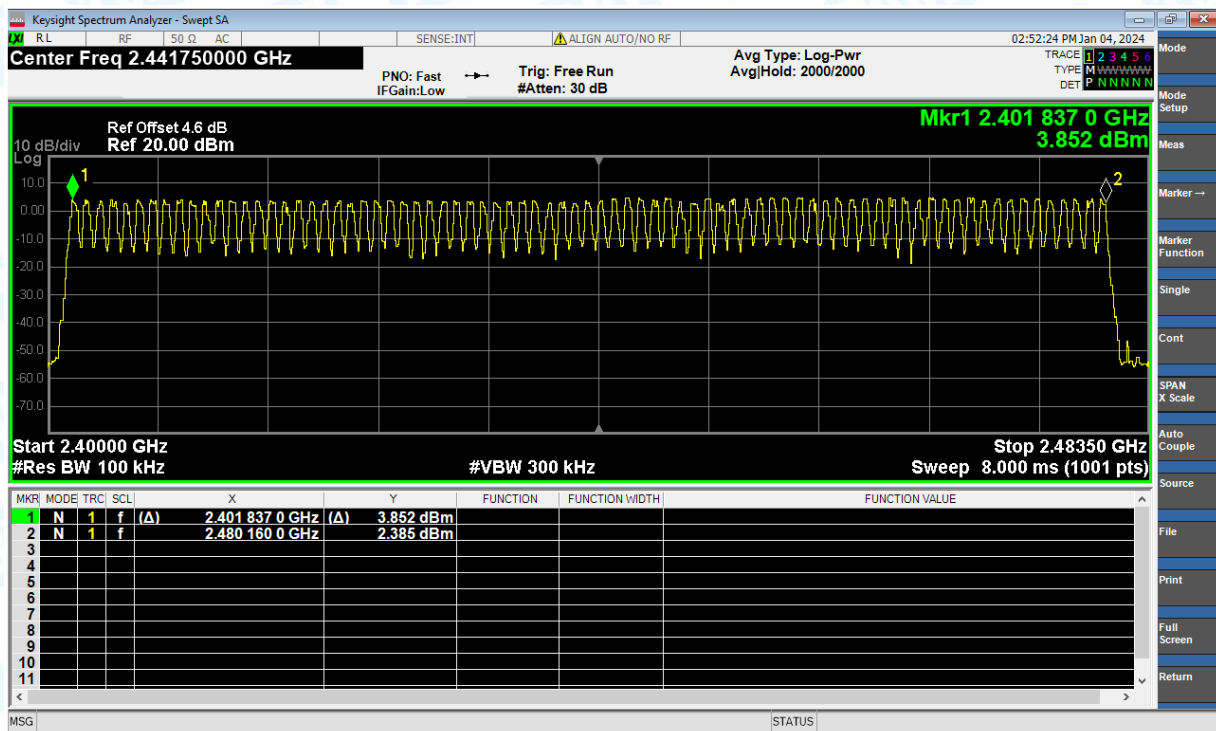


Number of Hopping Channel

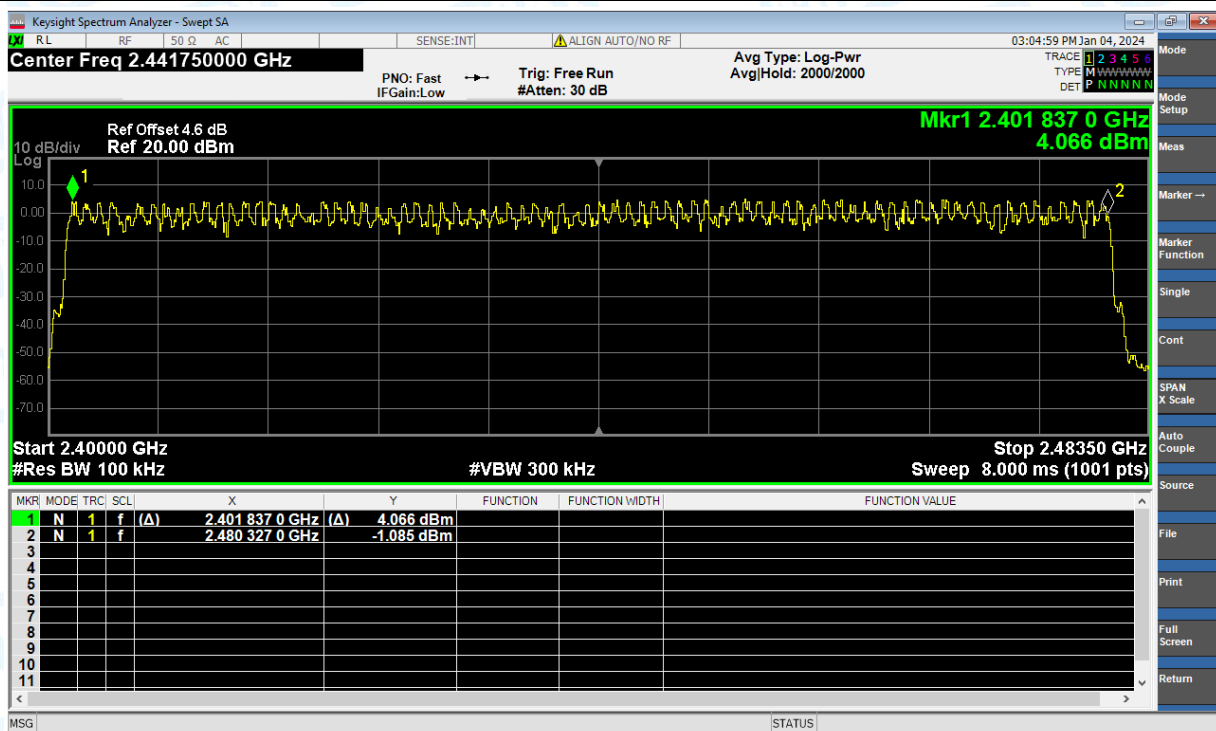
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

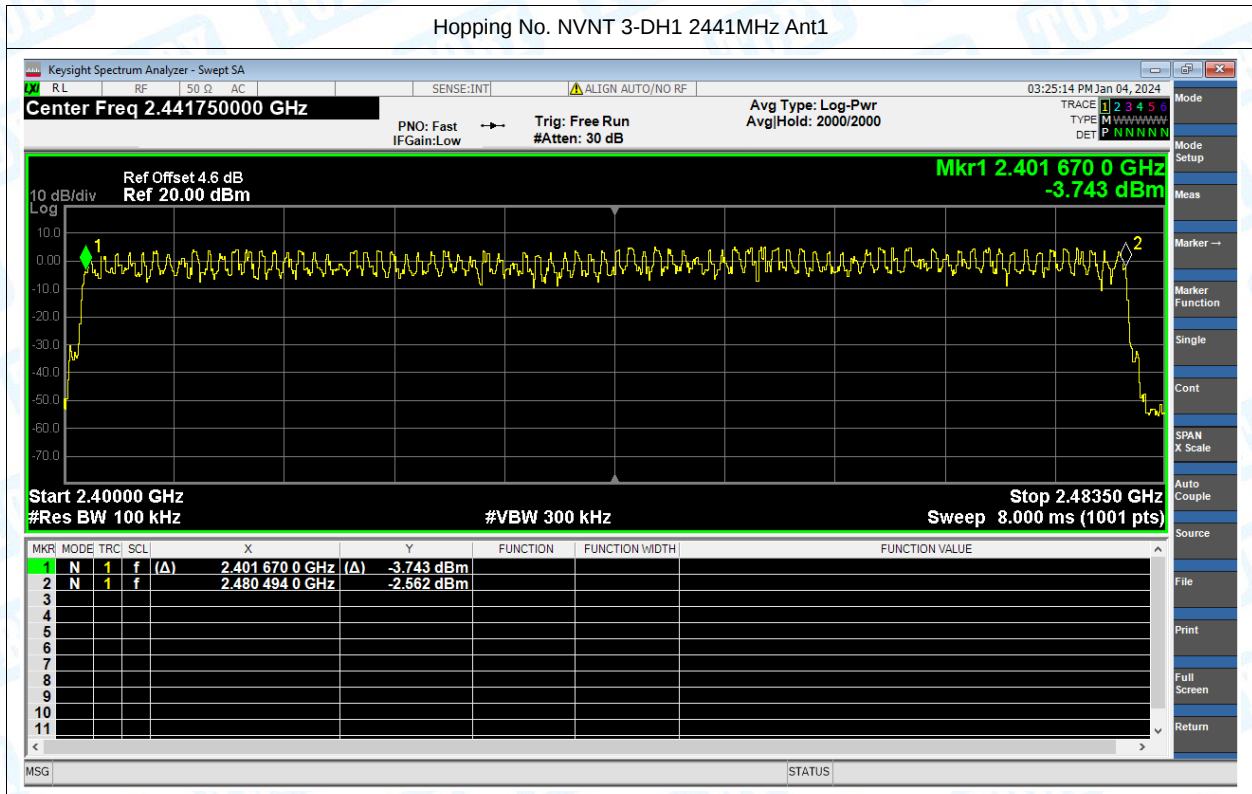
Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



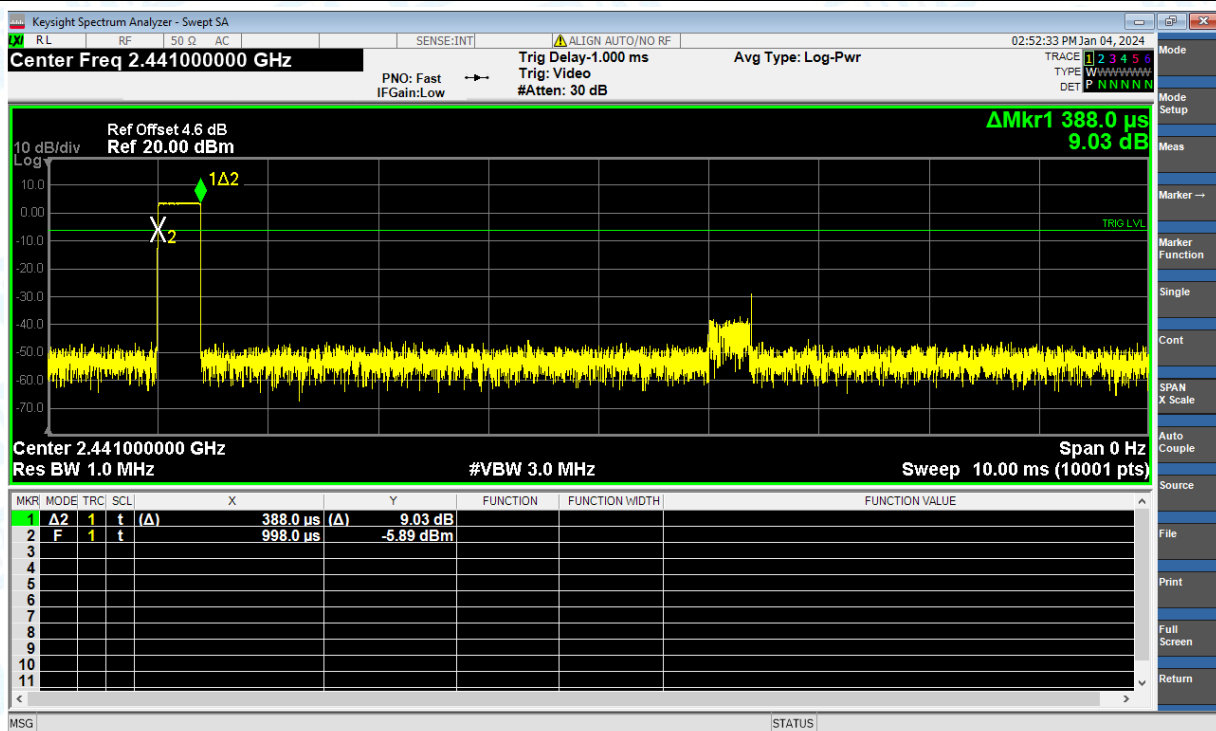


Dwell Time

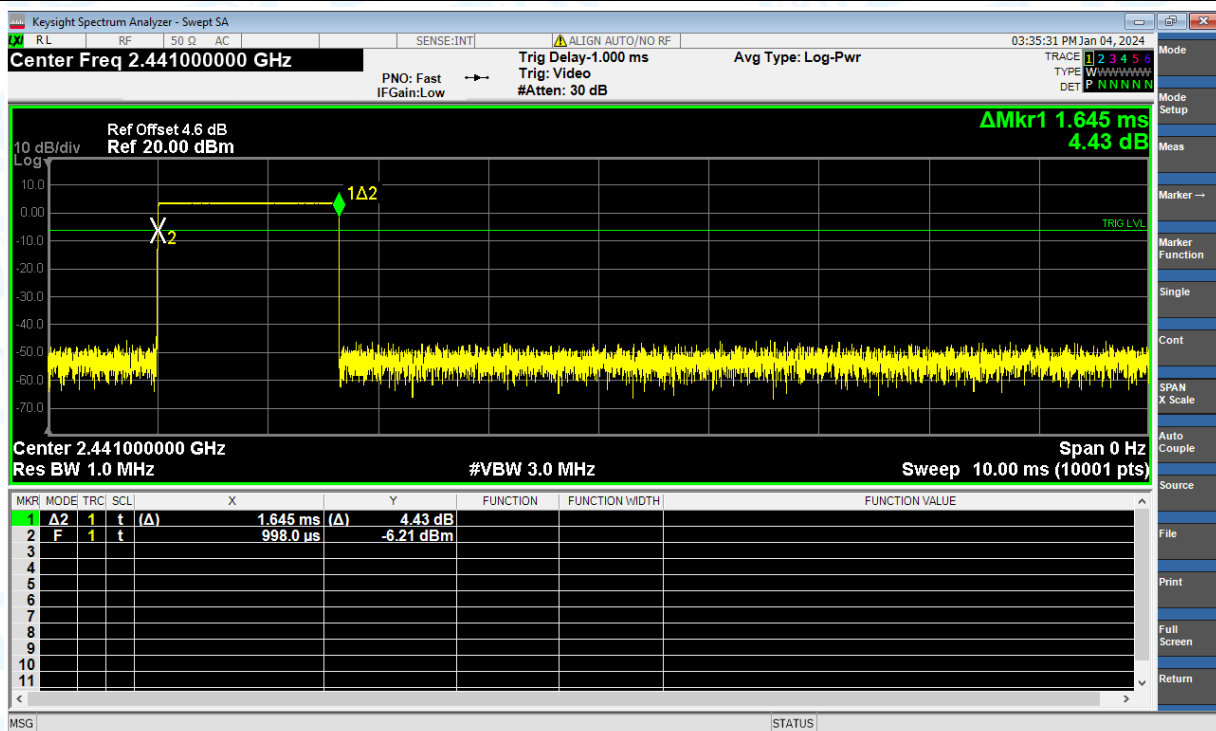
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.388	124.16	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.645	263.2	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.893	308.587	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.398	127.36	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.65	264	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.898	309.12	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.4	128	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.65	264	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.9	309.333	31600	400	Pass

Test Graphs

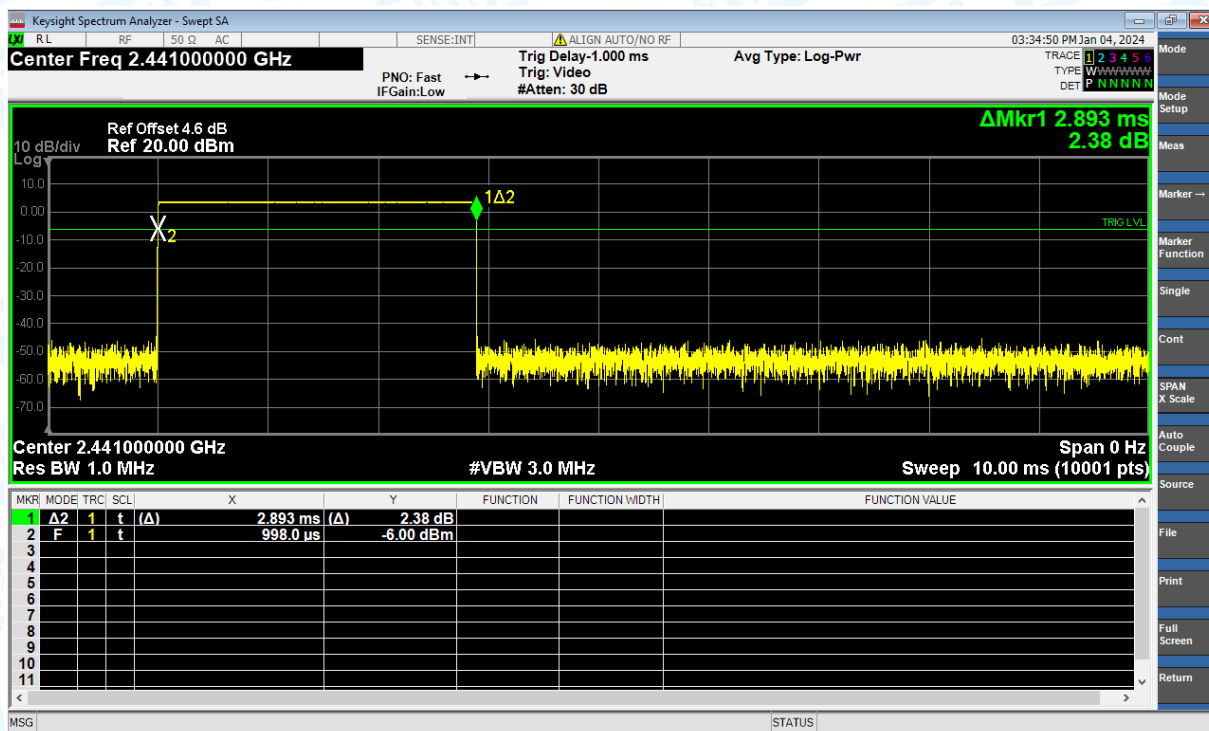
Dwell NVNT 1-DH1 2441MHz Ant1



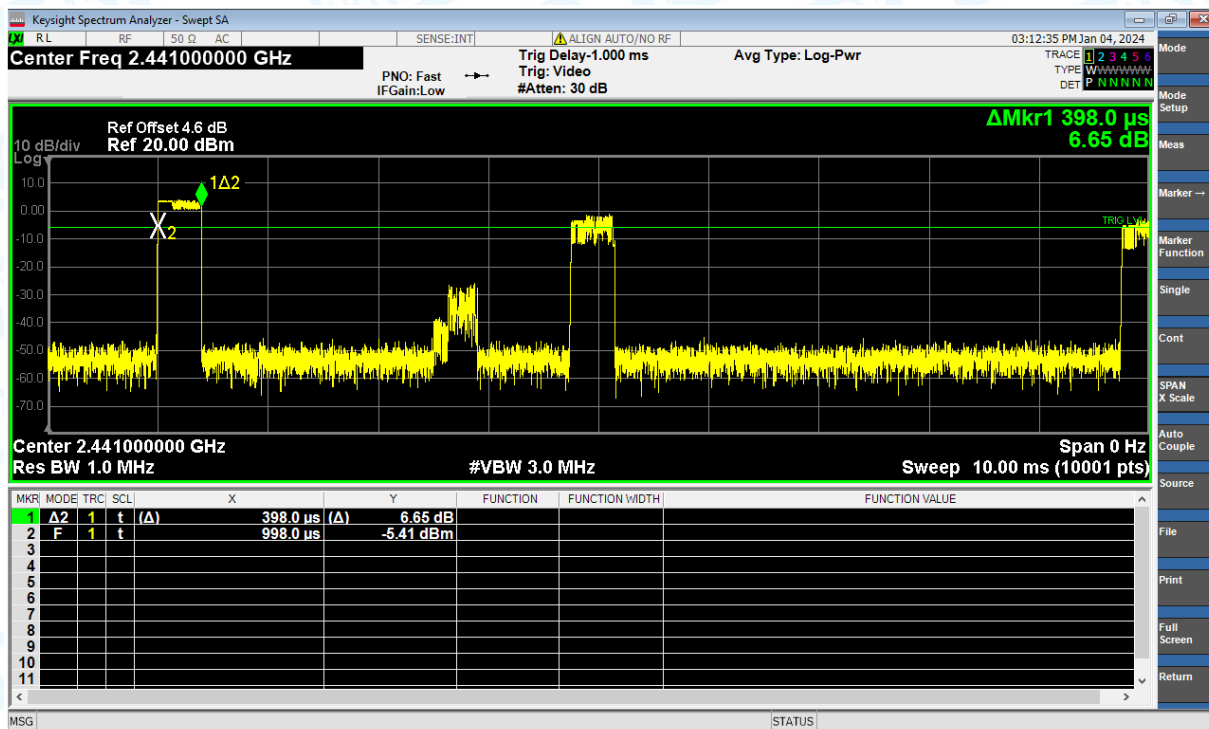
Dwell NVNT 1-DH3 2441MHz Ant1



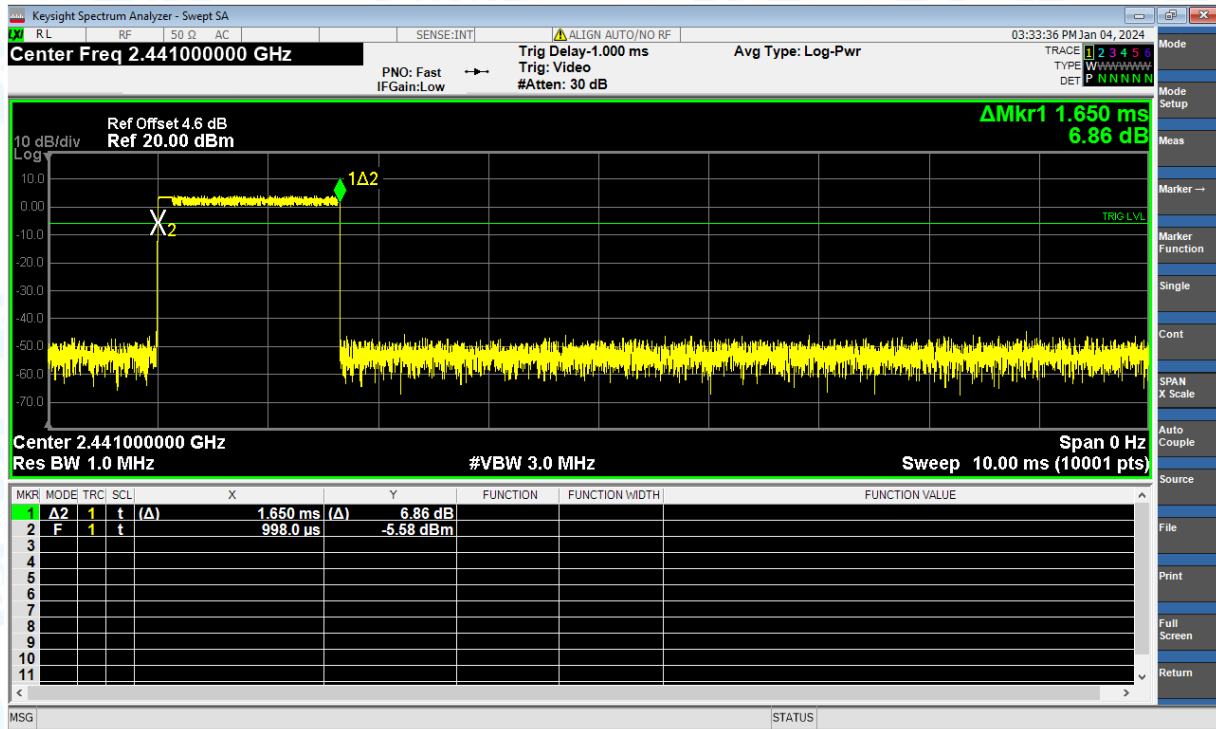
Dwell NVNT 1-DH5 2441MHz Ant1



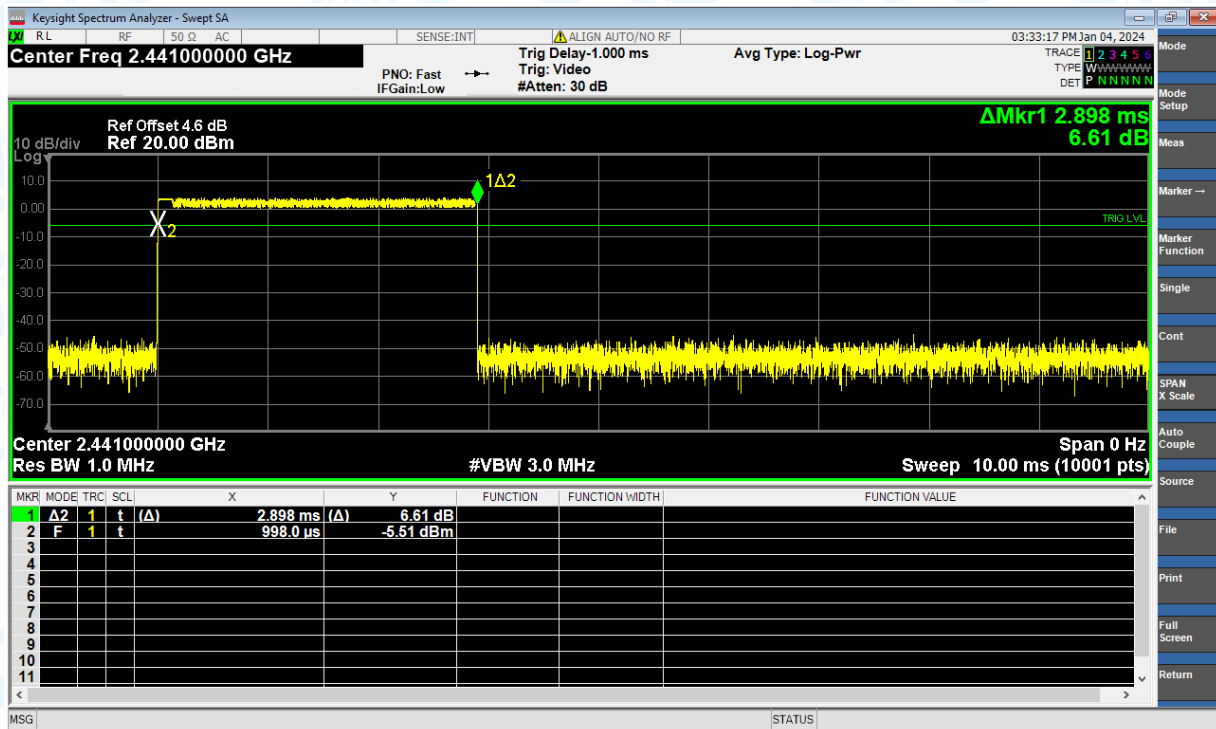
Dwell NVNT 2-DH1 2441MHz Ant1



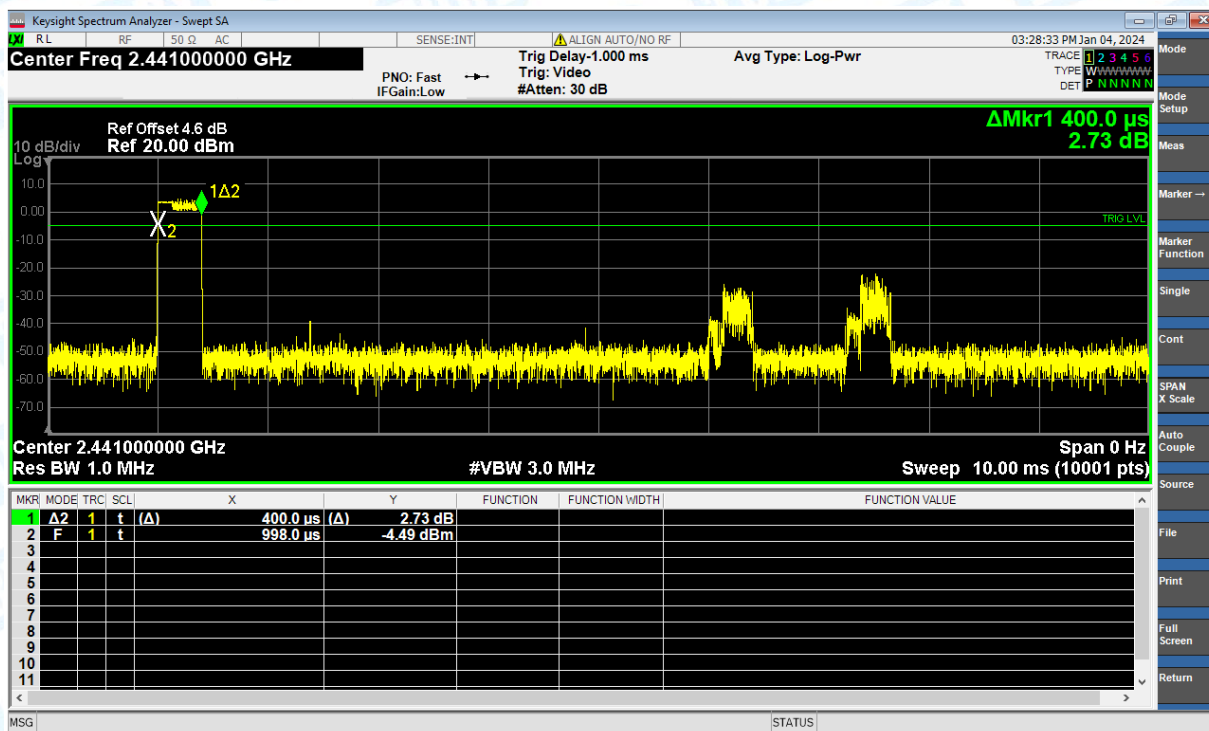
Dwell NVNT 2-DH3 2441MHz Ant1



Dwell NVNT 2-DH5 2441MHz Ant1



Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1

