

# RF Test Data for Bluetooth (Conducted Measurements)

General Description of EUT	
<b>Product Name:</b>	Wireless Microphone
<b>Test Model:</b>	S 60
<b>Sample ID:</b>	HC-C-202406-0183-01-01
Environmental Conditions	
<b>Temperature:</b>	24.6°C
<b>Relative Humidity:</b>	51.2%
<b>Test Voltage:</b>	DC 5V
<b>Test Engineer:</b>	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202406-0183-31 The report only show the worst case data.	



## Contents

1.Duty Cycle.....	3
2.Maximum Conducted Output Power .....	9
3.-20dB Bandwidth .....	18
4.Occupied Channel Bandwidth .....	24
5.Band Edge .....	30
6.Band Edge(Hopping).....	37
7.Conducted RF Spurious Emission .....	44
8.Restrict Band.....	54
9.Carrier Frequencies Separation .....	61
10.Number of Hopping Channel .....	64
11.Dwell Time.....	67

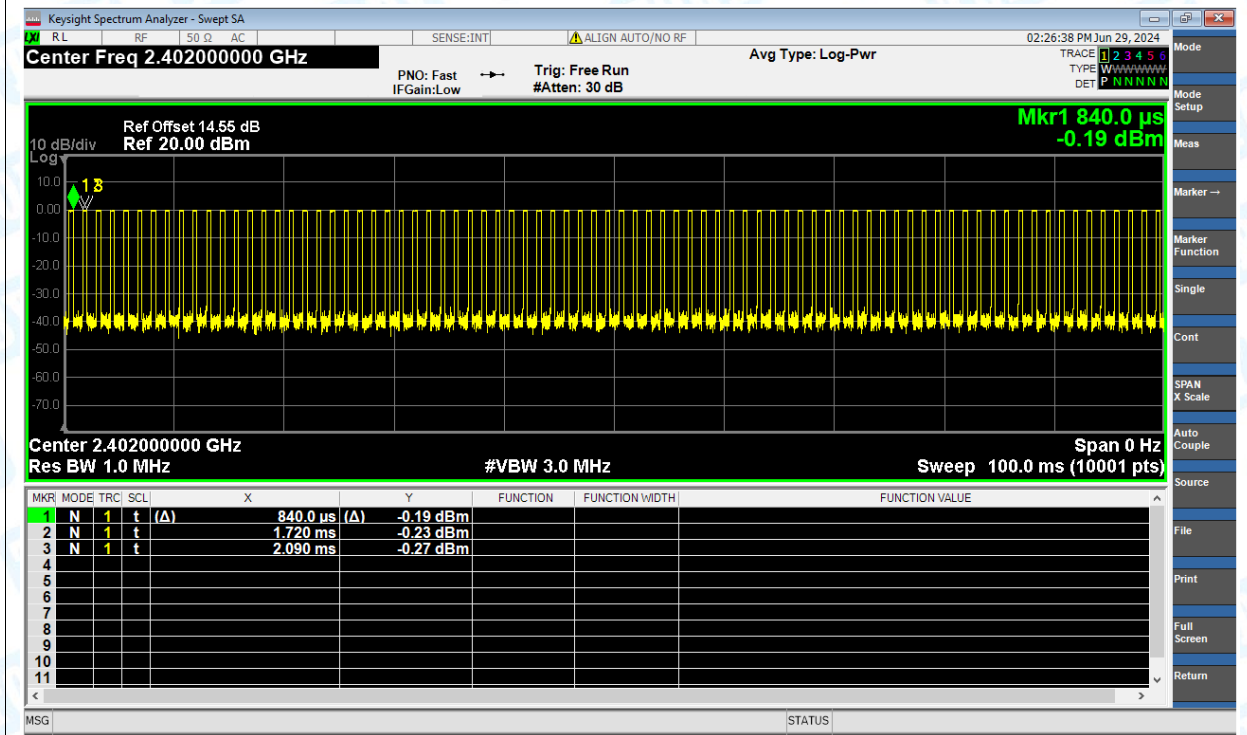


## 1. Duty Cycle

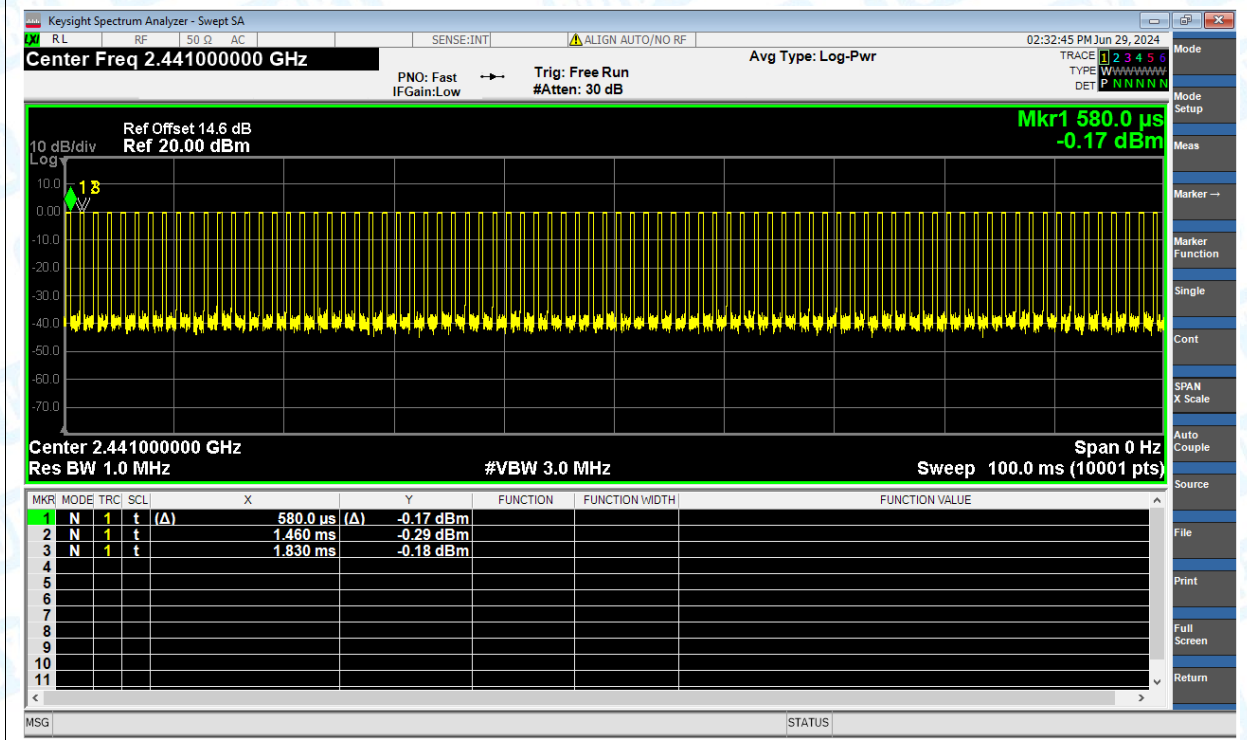
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	29.6	5.29	2.7
NVNT	1-DH1	2441	Ant1	29.6	5.29	2.7
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.56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

Test Graphs

Duty Cycle NVNT 1-DH1 2402MHz Ant1

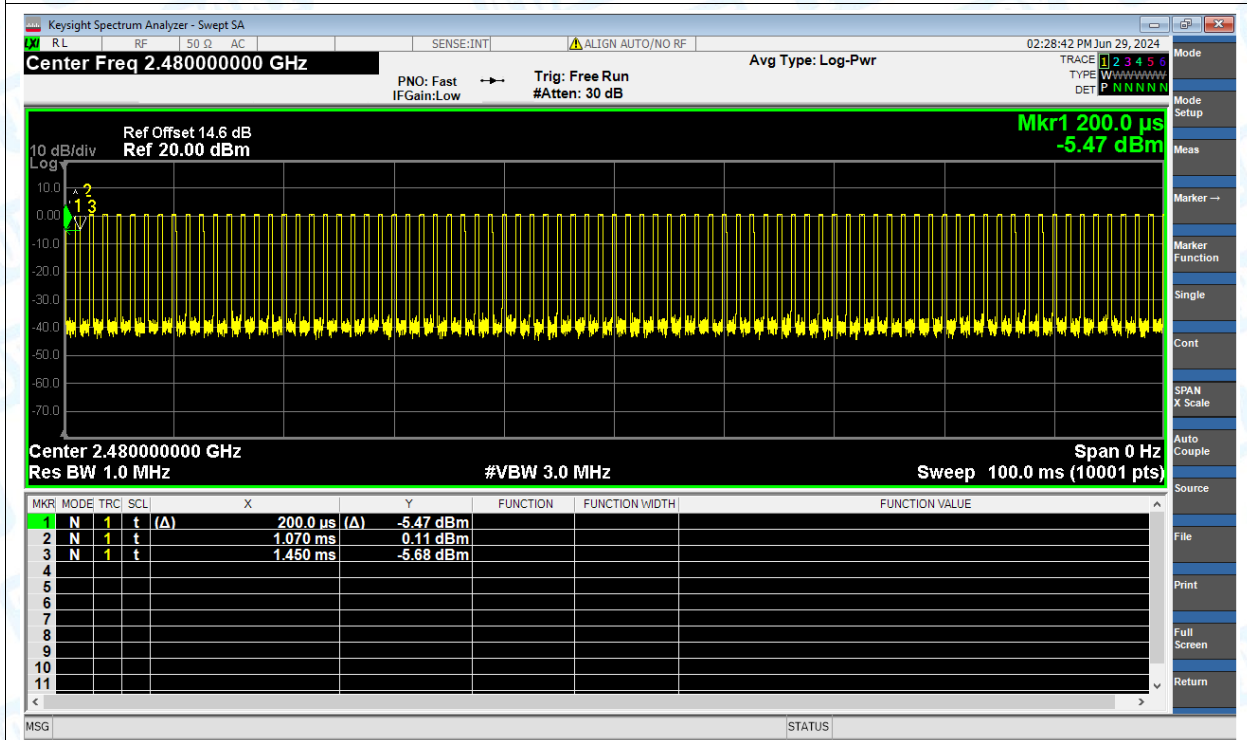


Duty Cycle NVNT 1-DH1 2441MHz Ant1

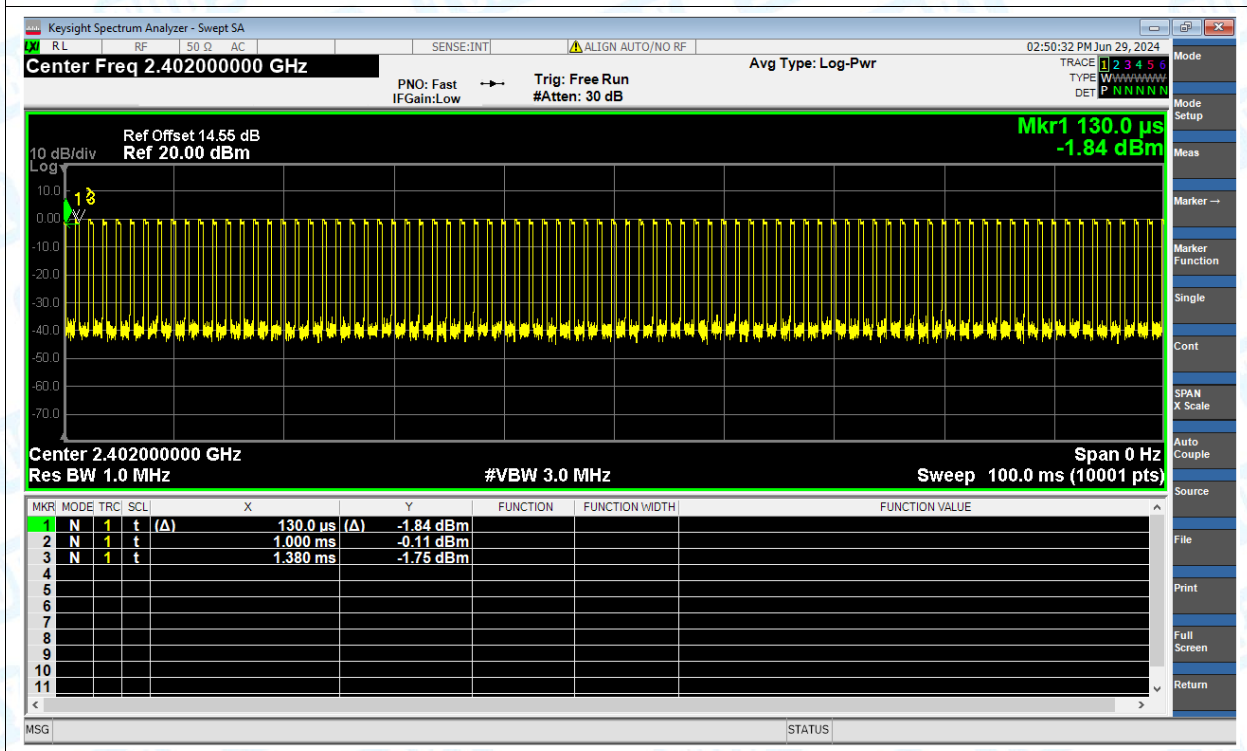




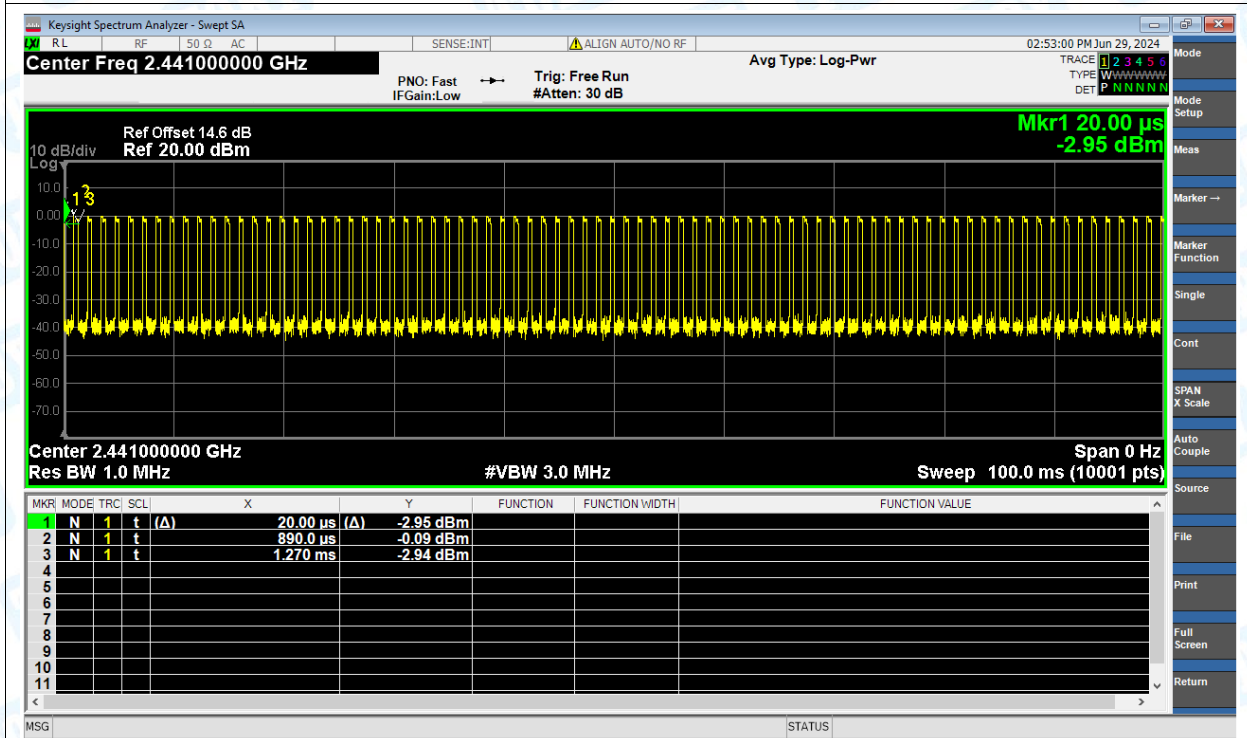
Duty Cycle NVNT 1-DH1 2480MHz Ant1



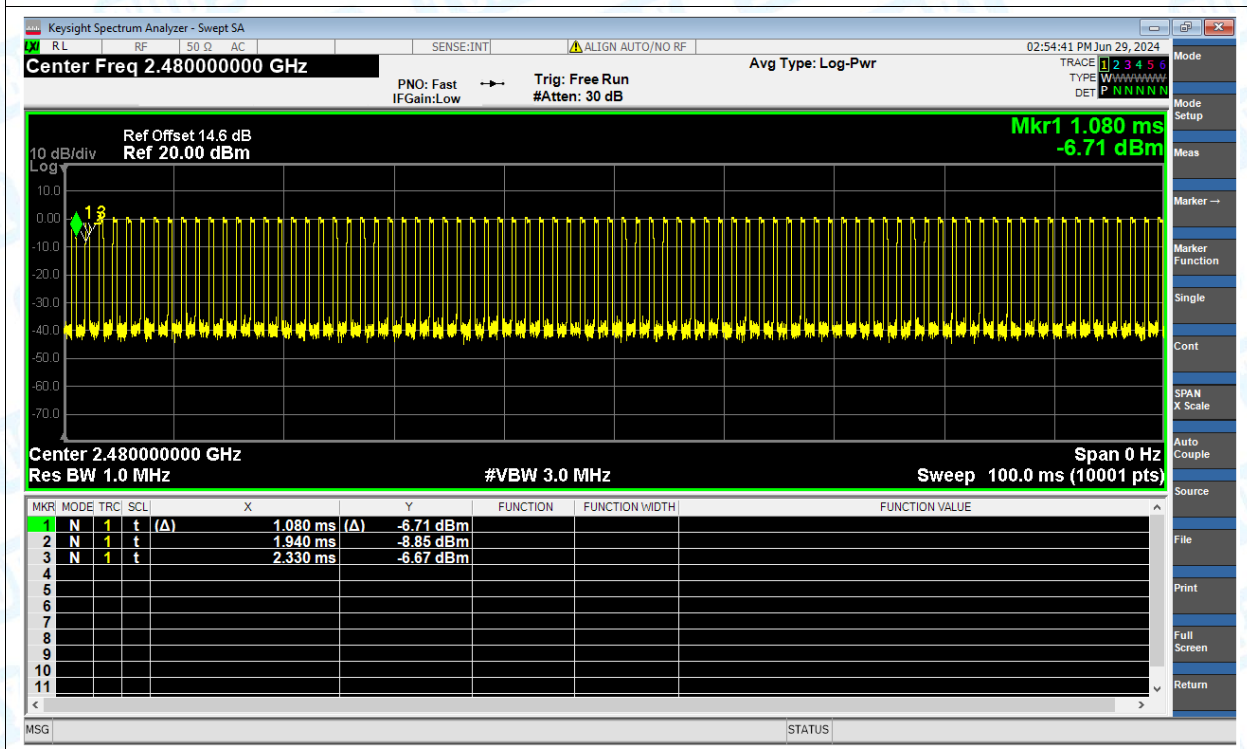
Duty Cycle NVNT 2-DH1 2402MHz Ant1



Duty Cycle NVNT 2-DH1 2441MHz Ant1

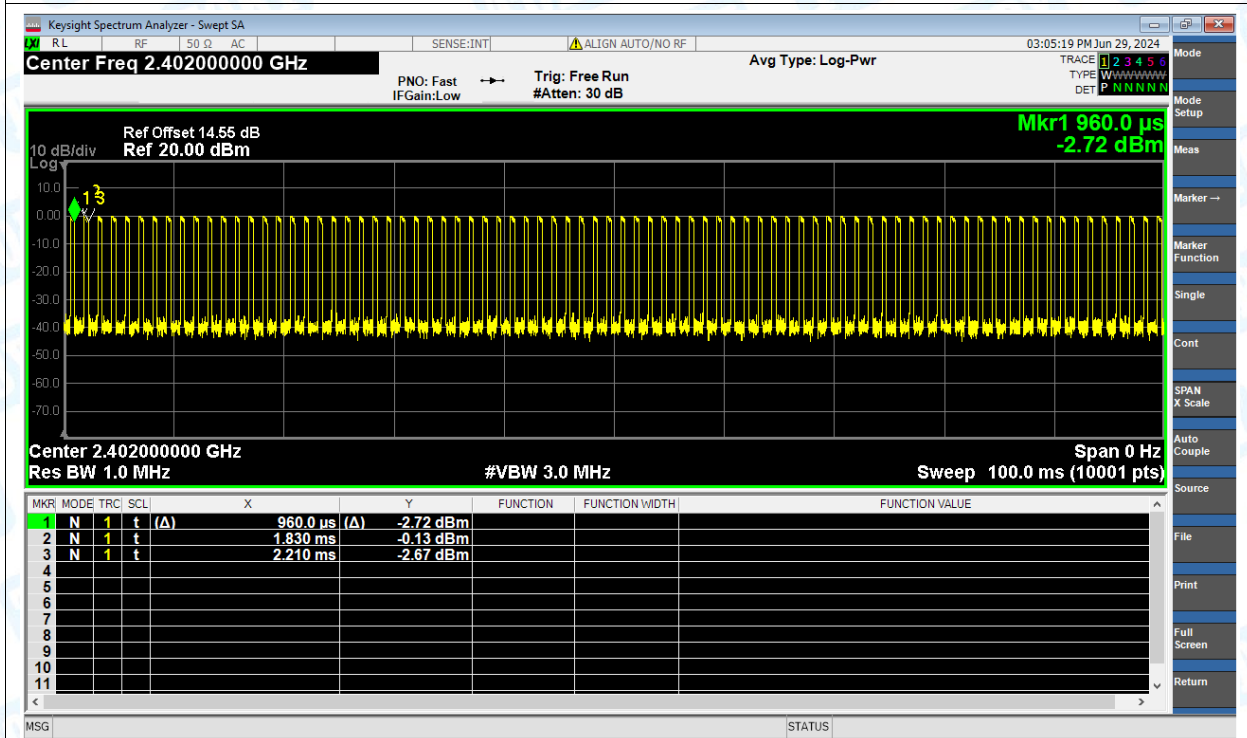


Duty Cycle NVNT 2-DH1 2480MHz Ant1

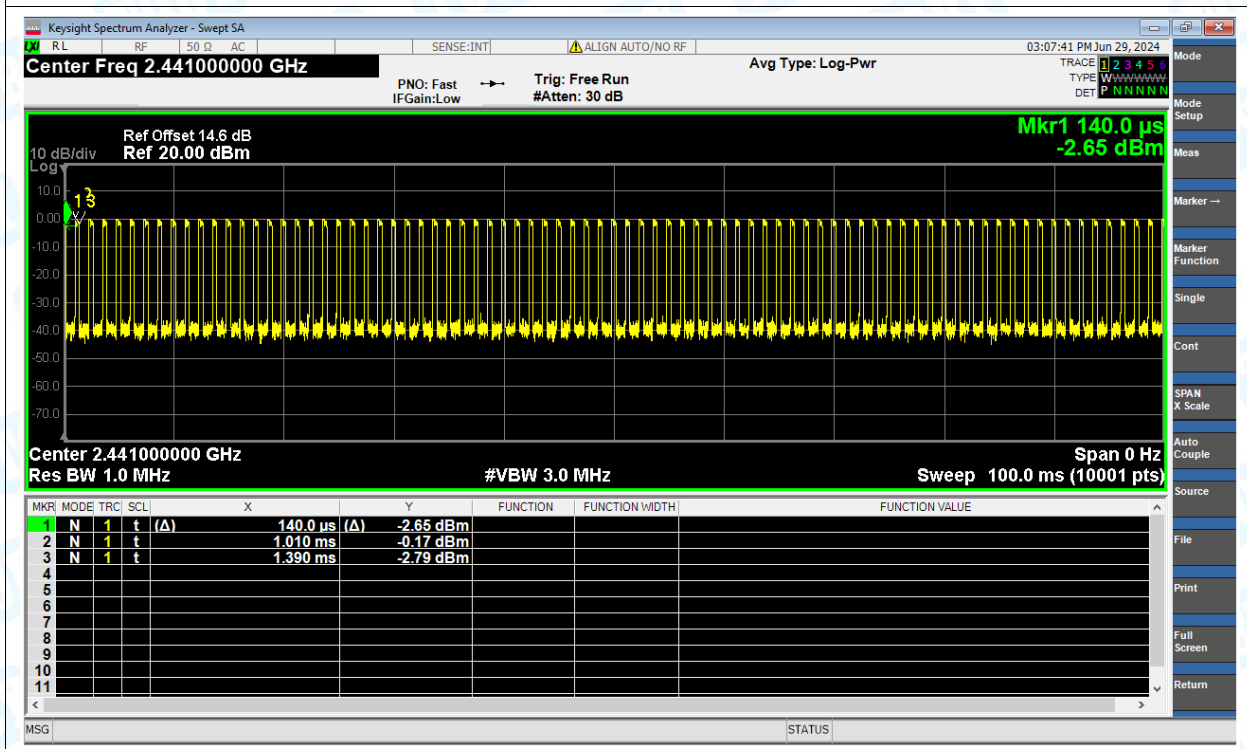


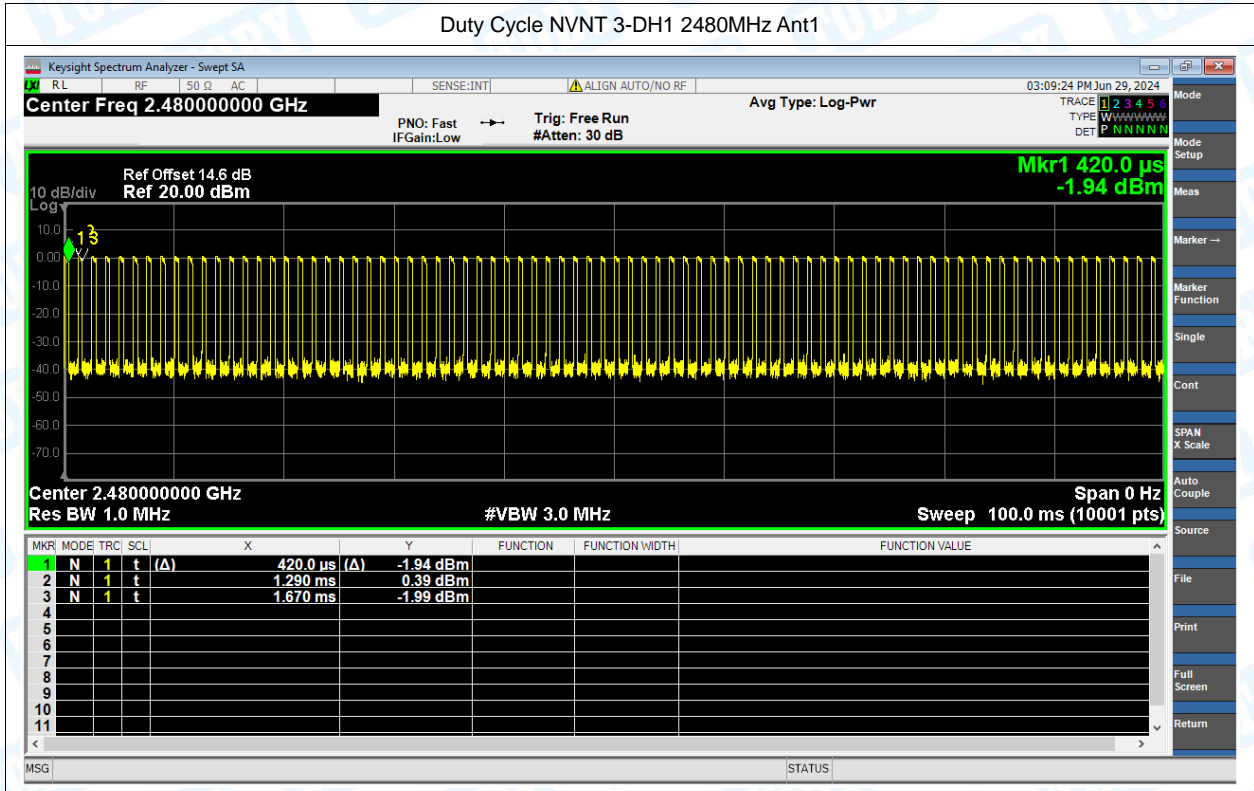


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1





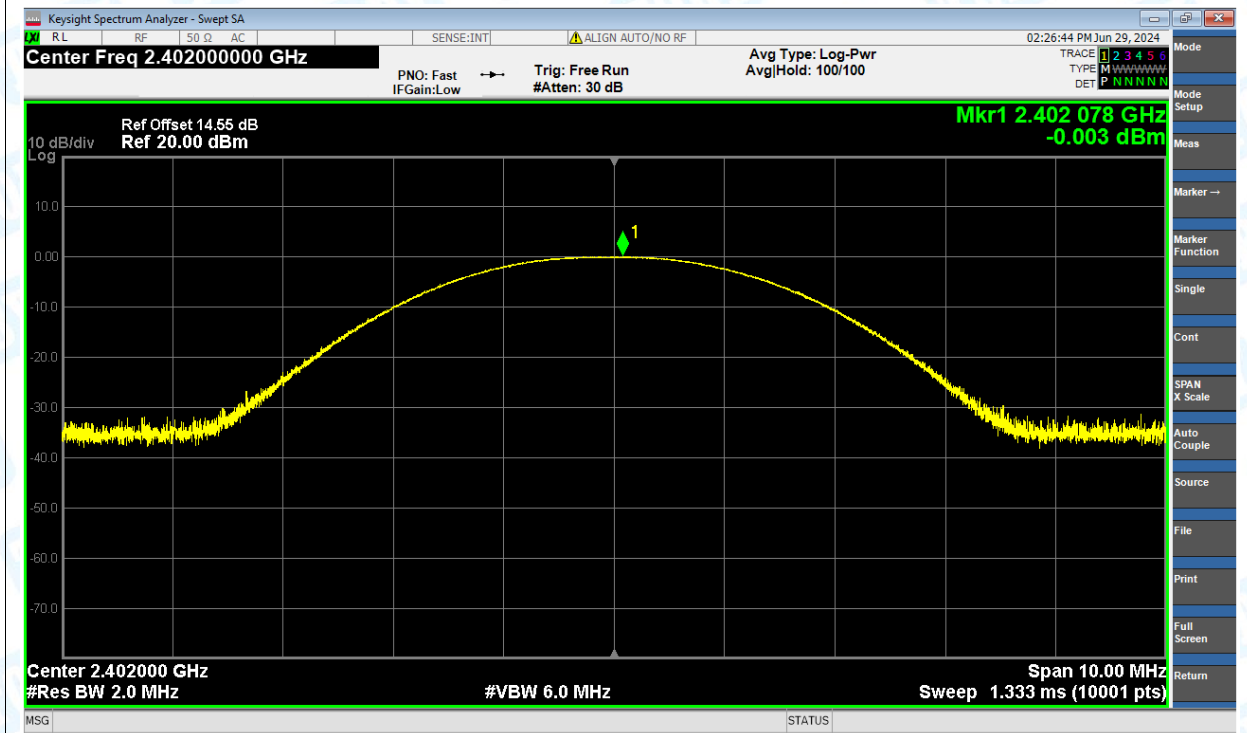


## 2. Maximum Conducted Output Power

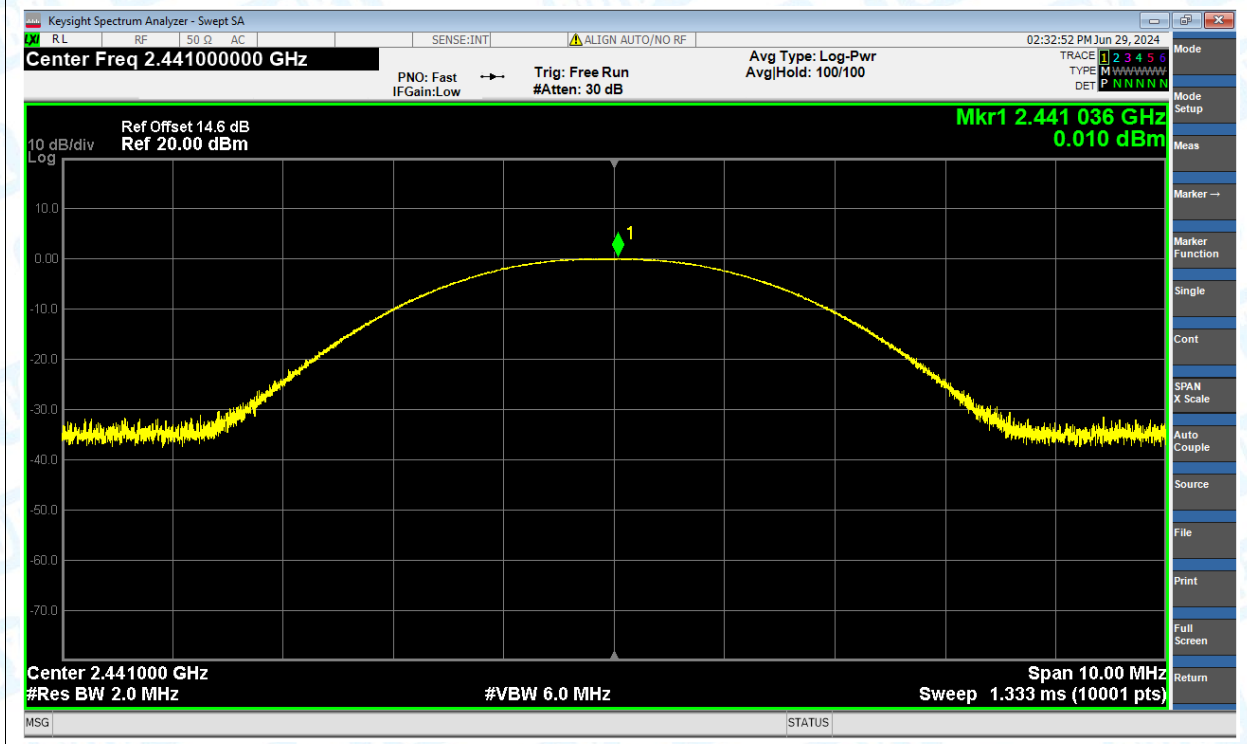
Condition	Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Gian(dBm)	EIRP(dBm)	EIRP Limit (dBm)	Verdict
NVNT	1-DH1	2402	-0.003	21	0.3	0.297	36	Pass
NVNT	1-DH1	2441	0.01	21	0.3	0.31	36	Pass
NVNT	1-DH1	2480	0.758	21	0.3	1.058	36	Pass
NVNT	1-DH3	2441	0.094	21	0.3	0.394	36	Pass
NVNT	1-DH5	2441	0.103	21	0.3	0.403	36	Pass
NVNT	2-DH1	2402	0.024	21	0.3	0.324	36	Pass
NVNT	2-DH1	2441	0.098	21	0.3	0.398	36	Pass
NVNT	2-DH1	2480	0.789	21	0.3	1.089	36	Pass
NVNT	2-DH3	2441	0.376	21	0.3	0.676	36	Pass
NVNT	2-DH5	2441	0.438	21	0.3	0.738	36	Pass
NVNT	3-DH1	2402	0.123	21	0.3	0.423	36	Pass
NVNT	3-DH1	2441	0.222	21	0.3	0.522	36	Pass
NVNT	3-DH1	2480	0.942	21	0.3	1.242	36	Pass
NVNT	3-DH3	2441	0.406	21	0.3	0.706	36	Pass
NVNT	3-DH5	2441	0.438	21	0.3	0.738	36	Pass

Test Graphs

Power NVNT 1-DH1 2402MHz Ant1

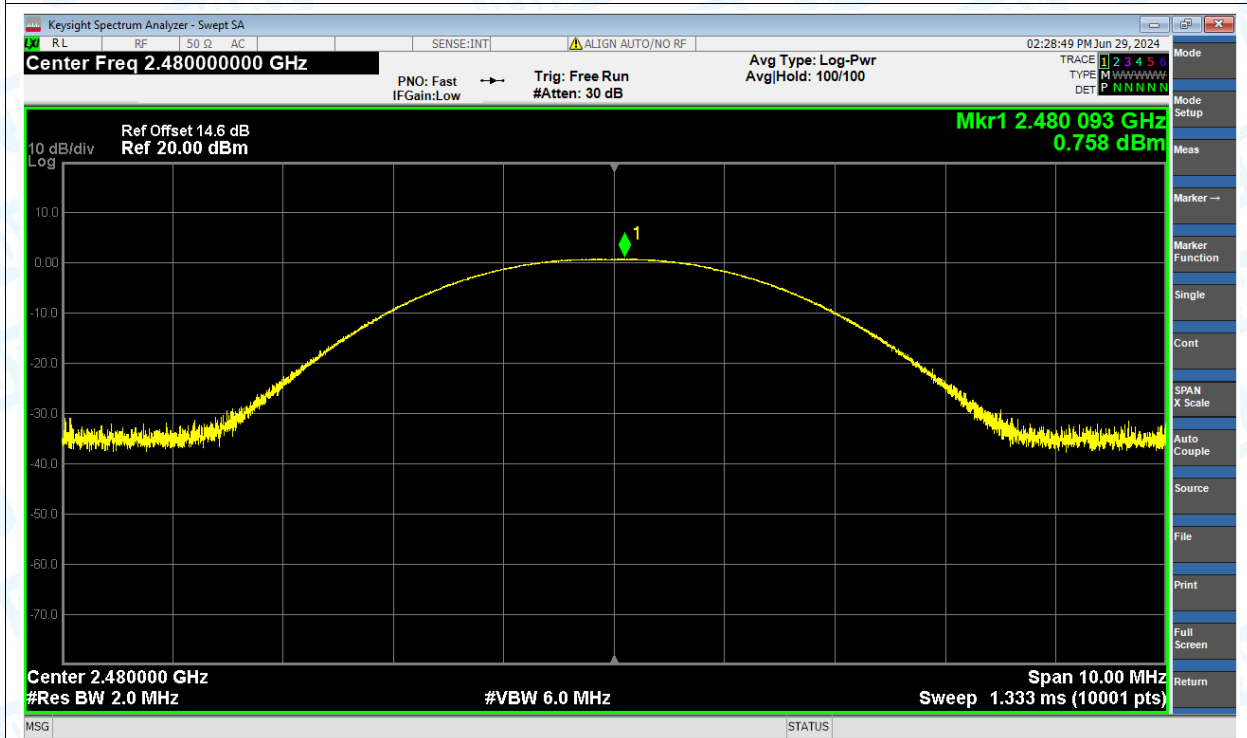


Power NVNT 1-DH1 2441MHz Ant1

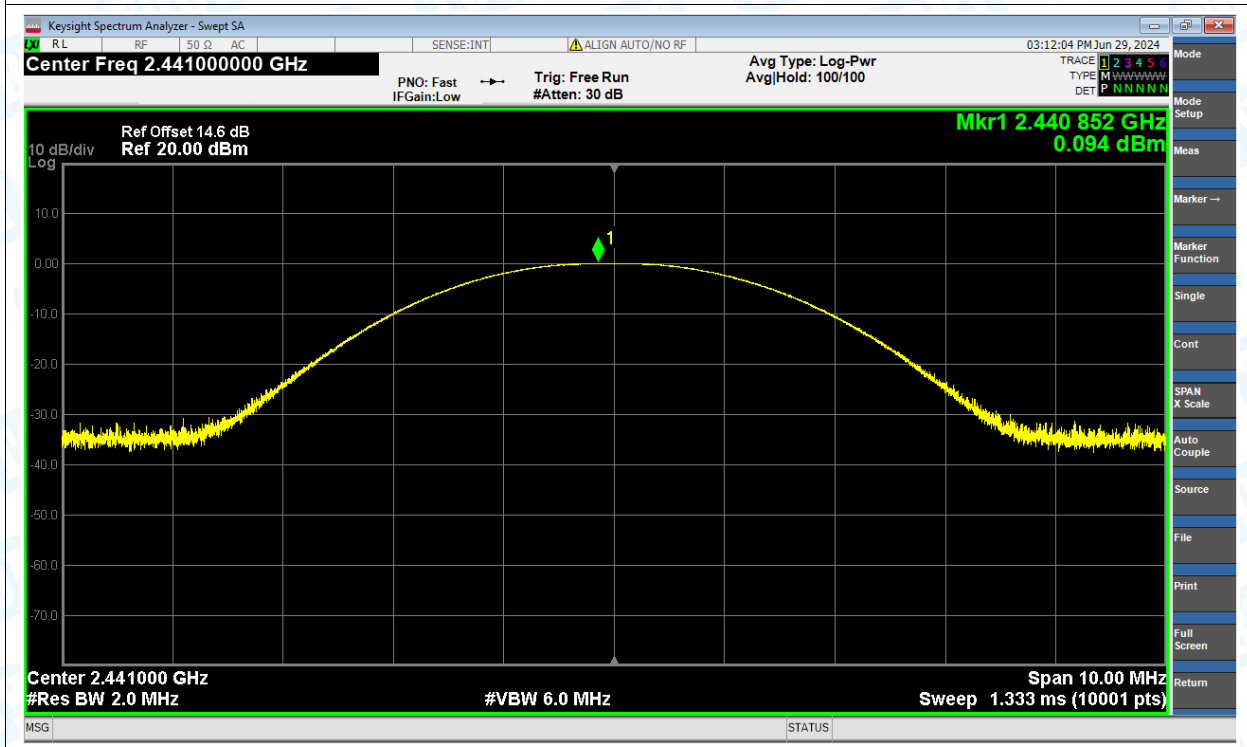




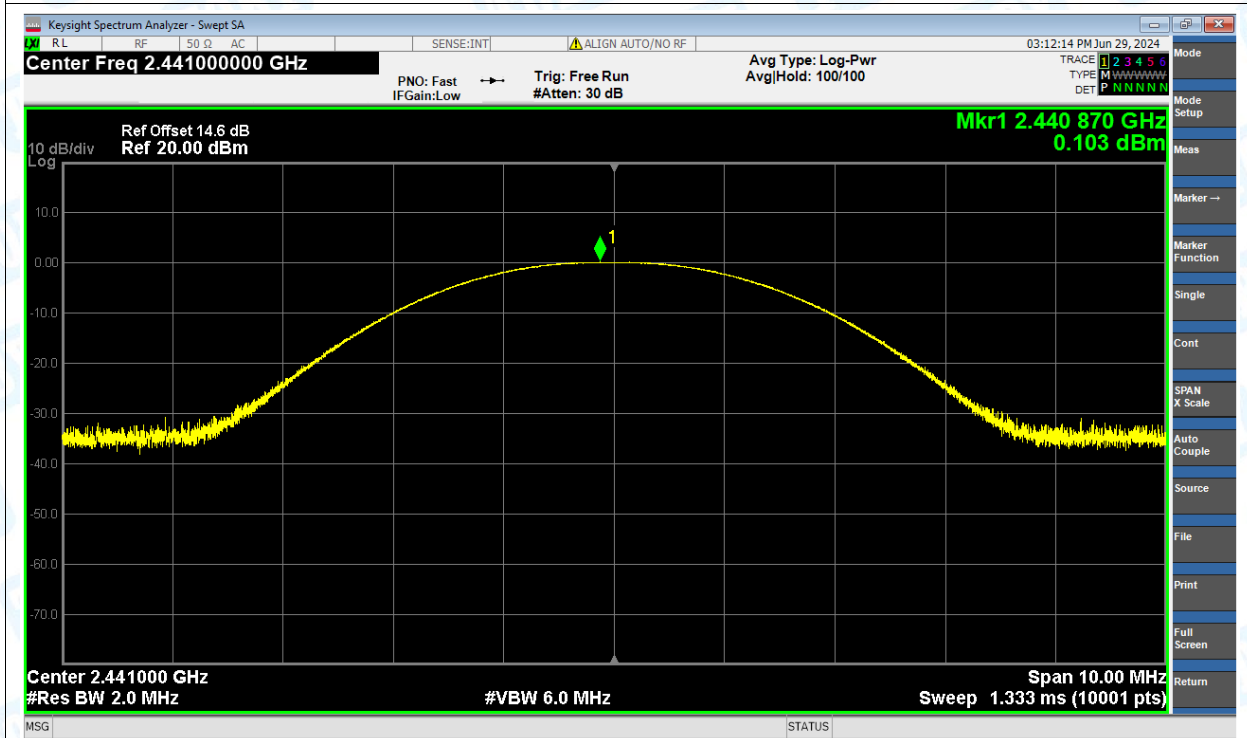
Power NVNT 1-DH1 2480MHz Ant1



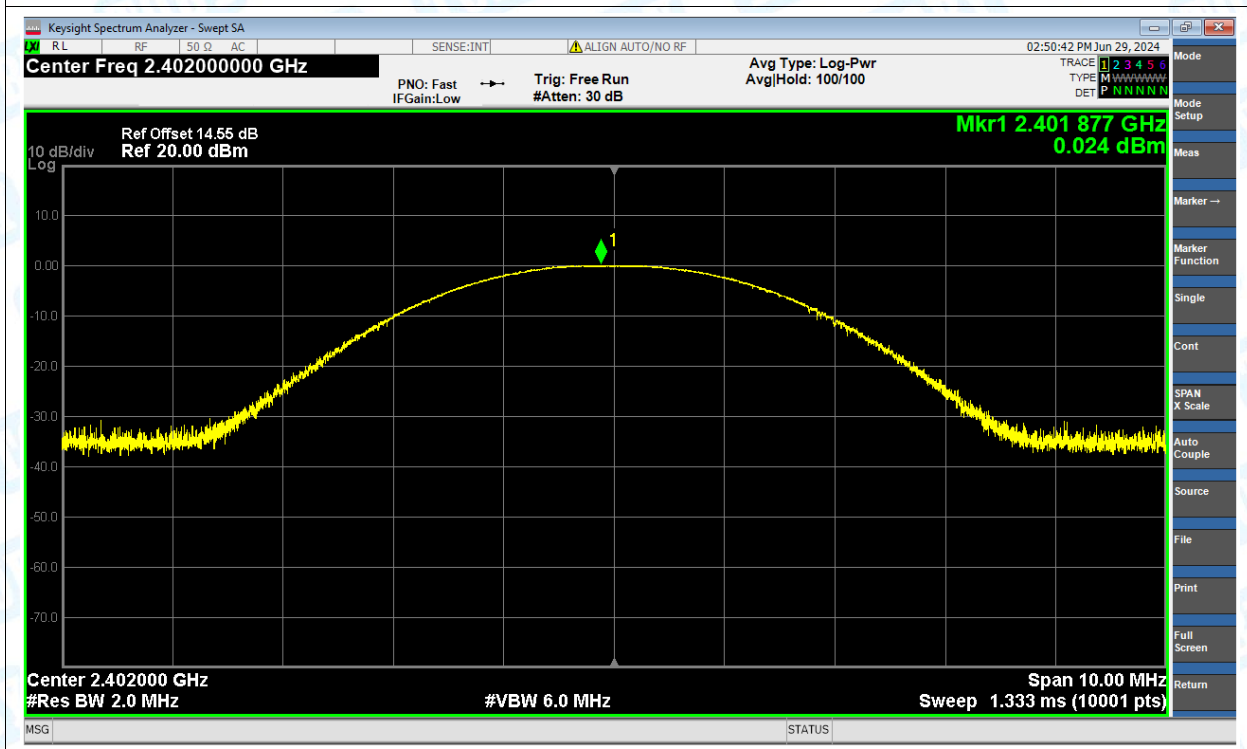
Power NVNT 1-DH3 2441MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

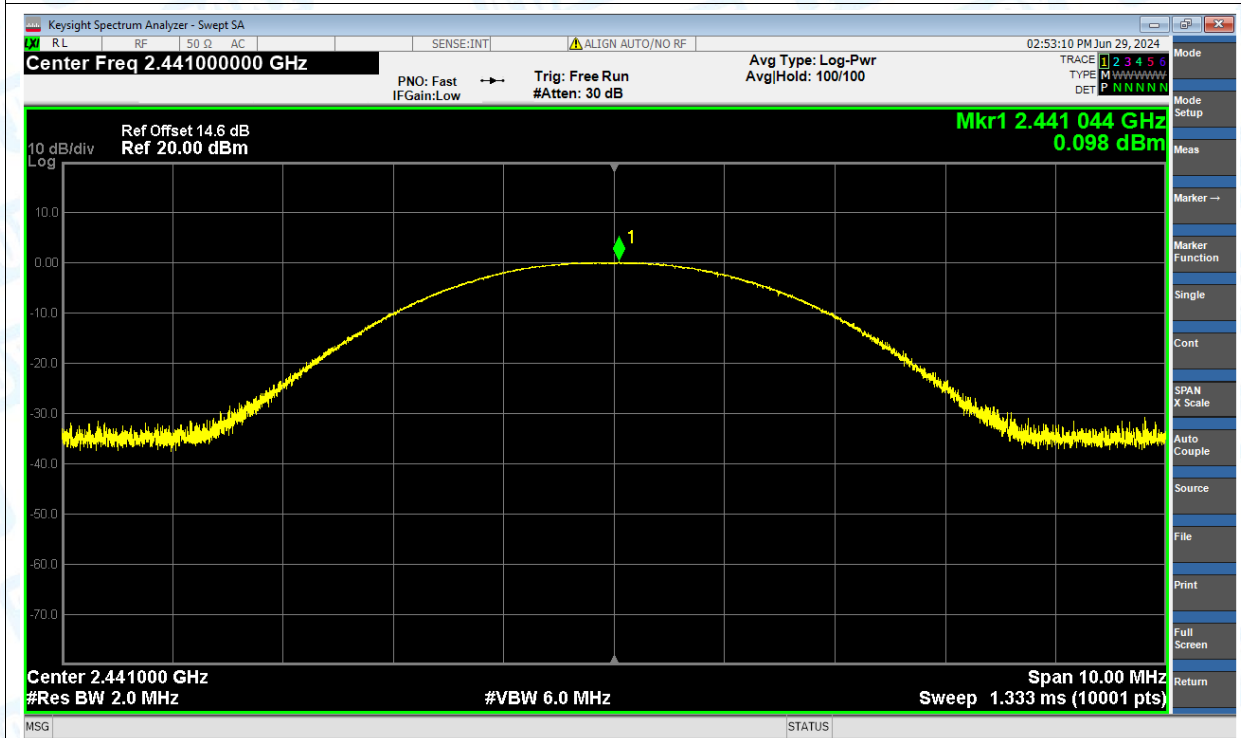


Power NVNT 2-DH1 2402MHz Ant1

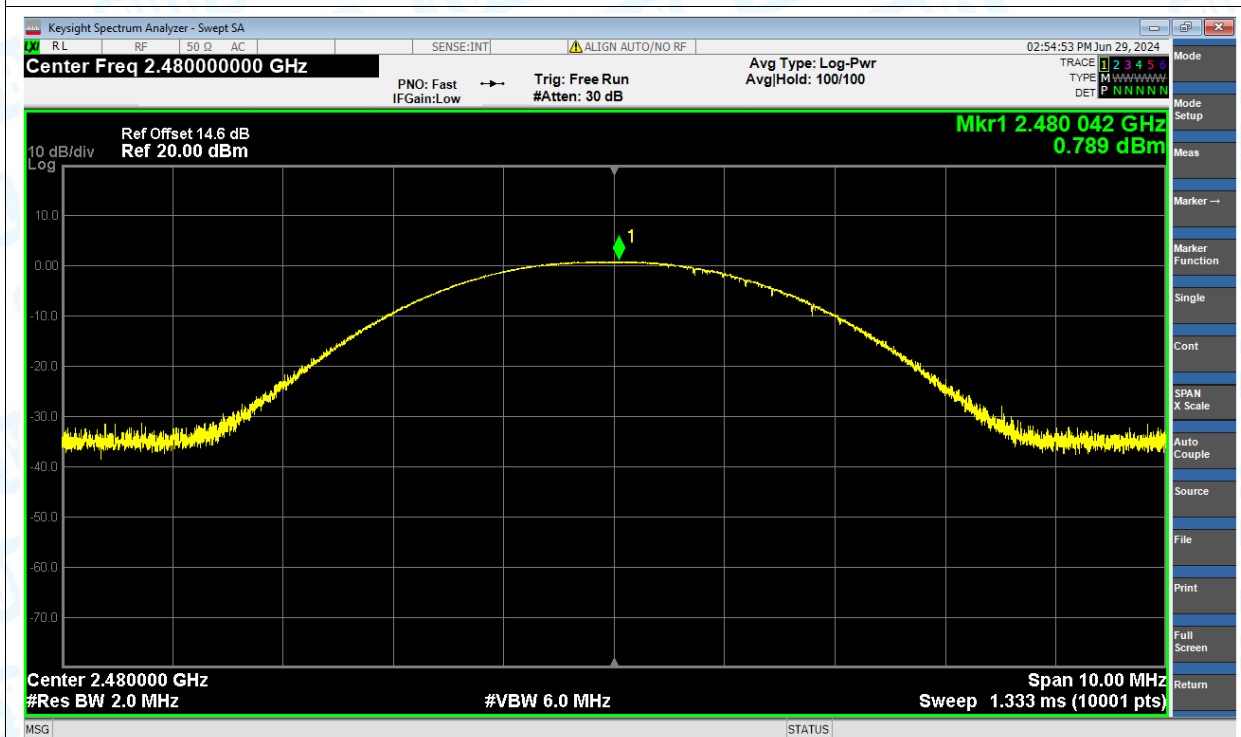




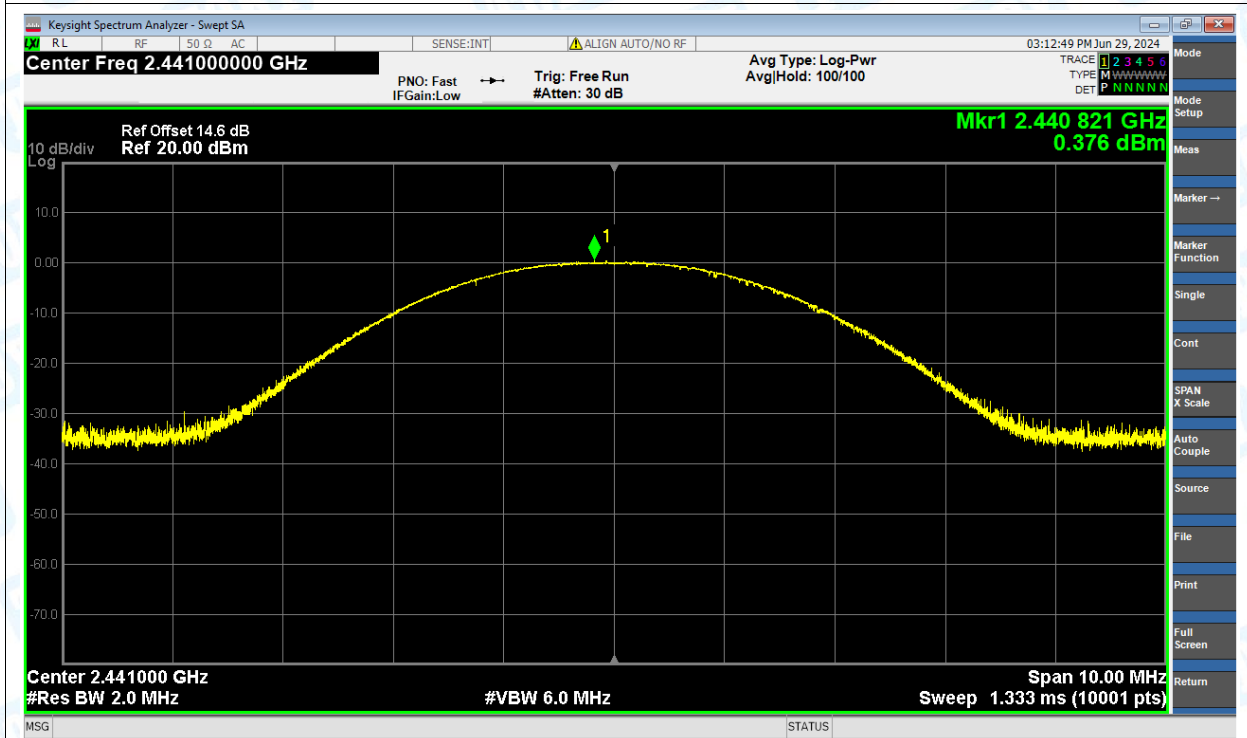
Power NVNT 2-DH1 2441MHz Ant1



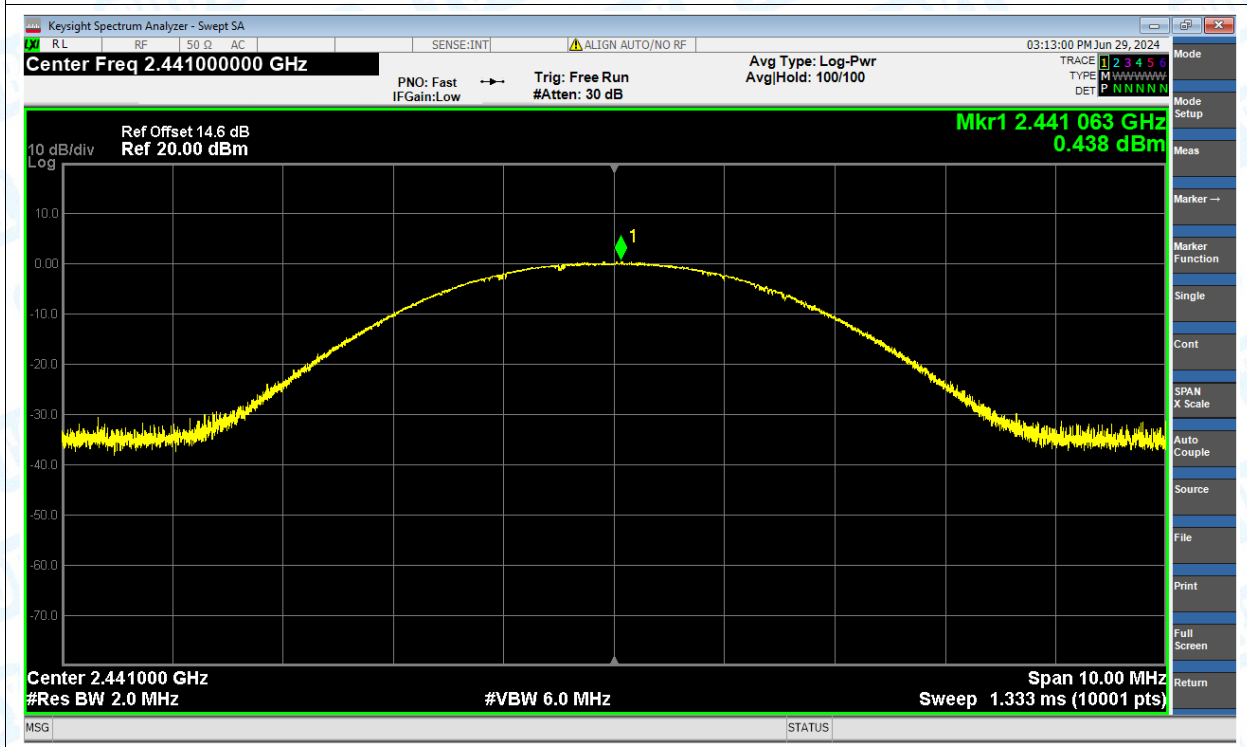
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 2-DH3 2441MHz Ant1

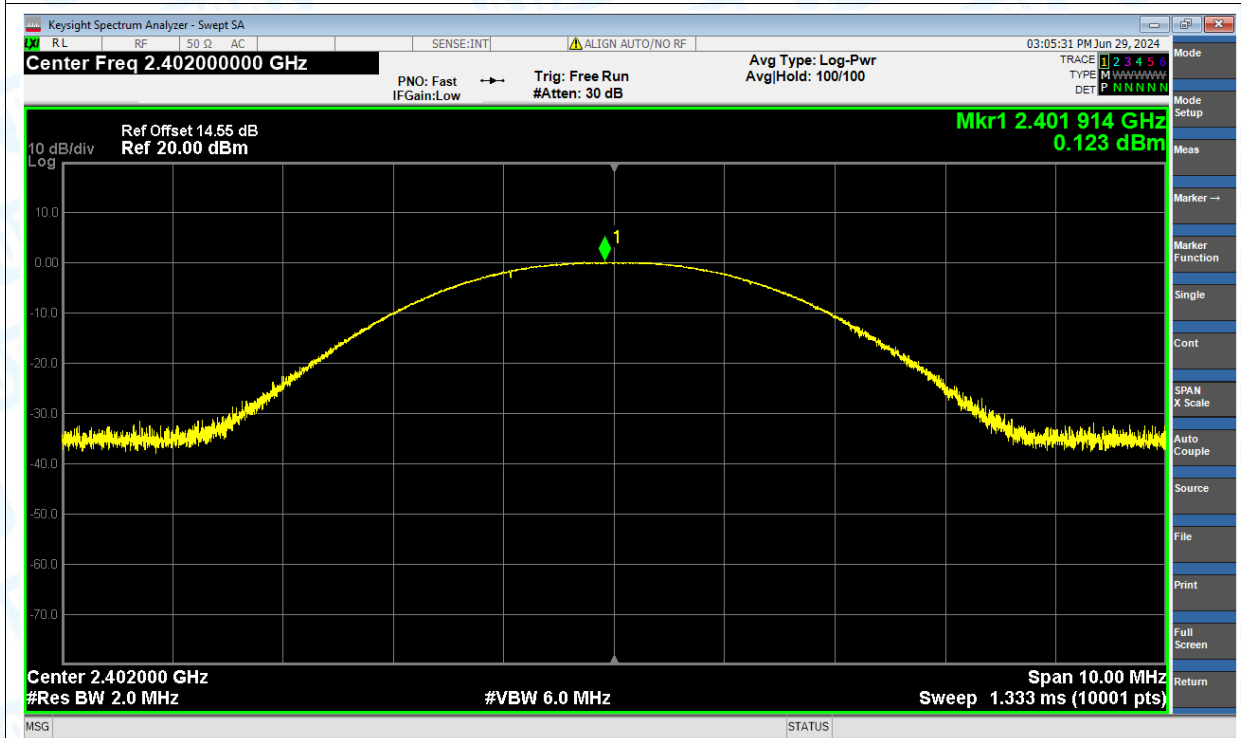


Power NVNT 2-DH5 2441MHz Ant1

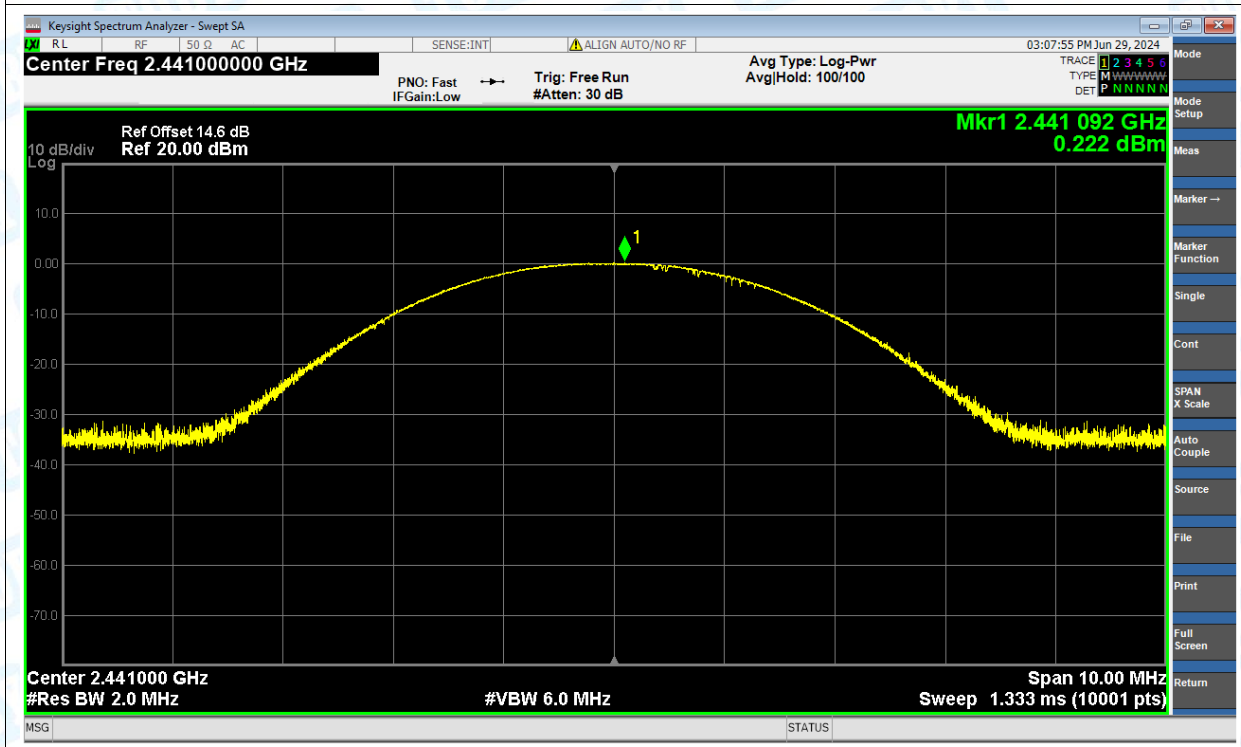




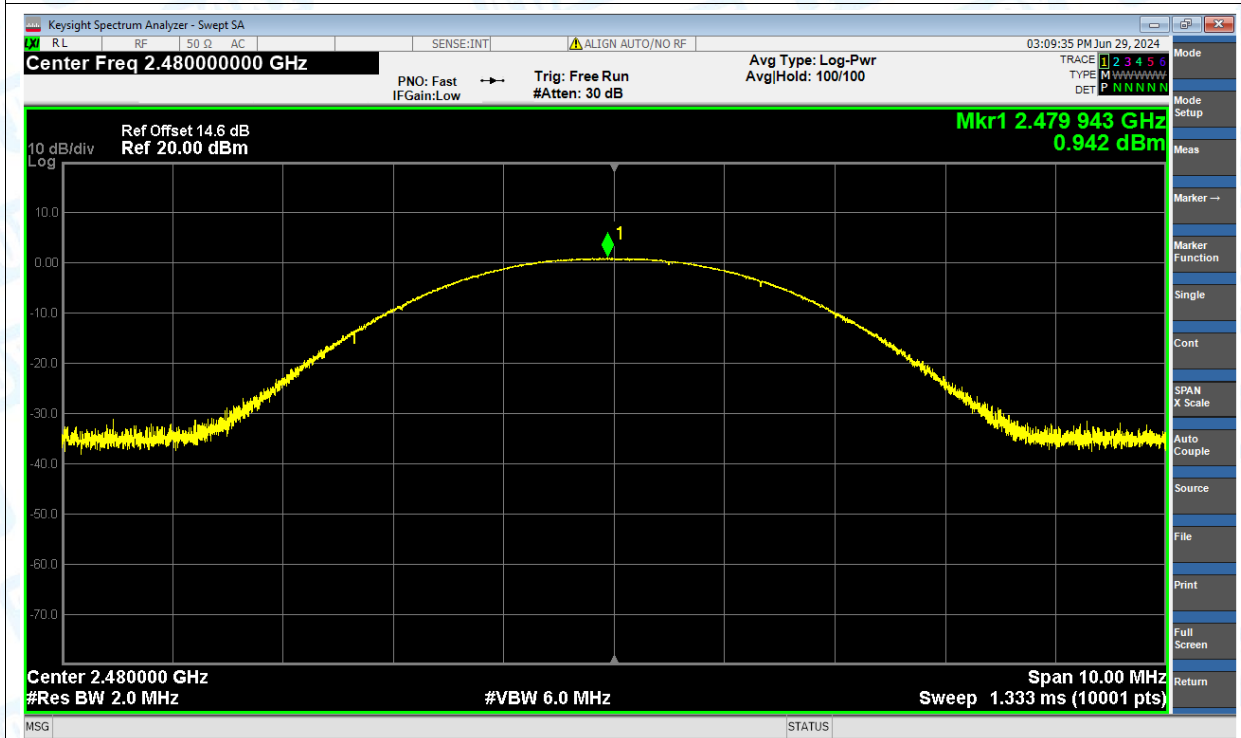
Power NVNT 3-DH1 2402MHz Ant1



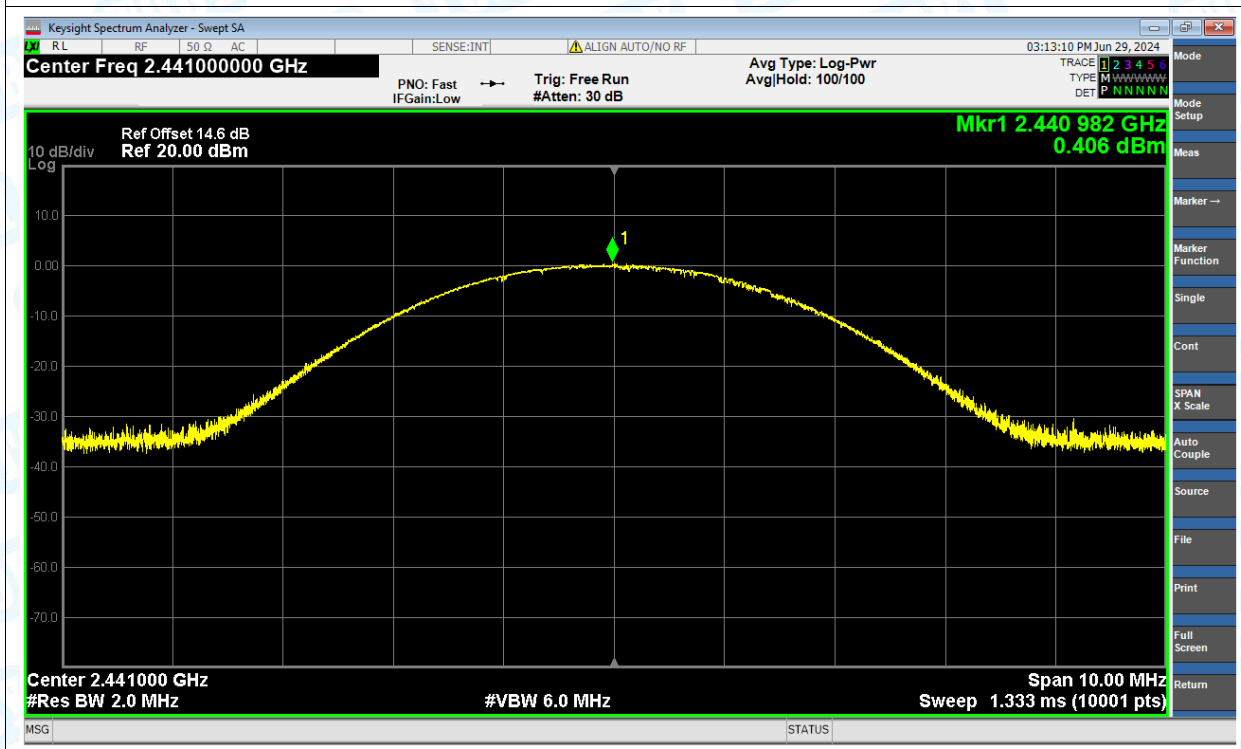
Power NVNT 3-DH1 2441MHz Ant1



Power NVNT 3-DH1 2480MHz Ant1



Power NVNT 3-DH3 2441MHz Ant1







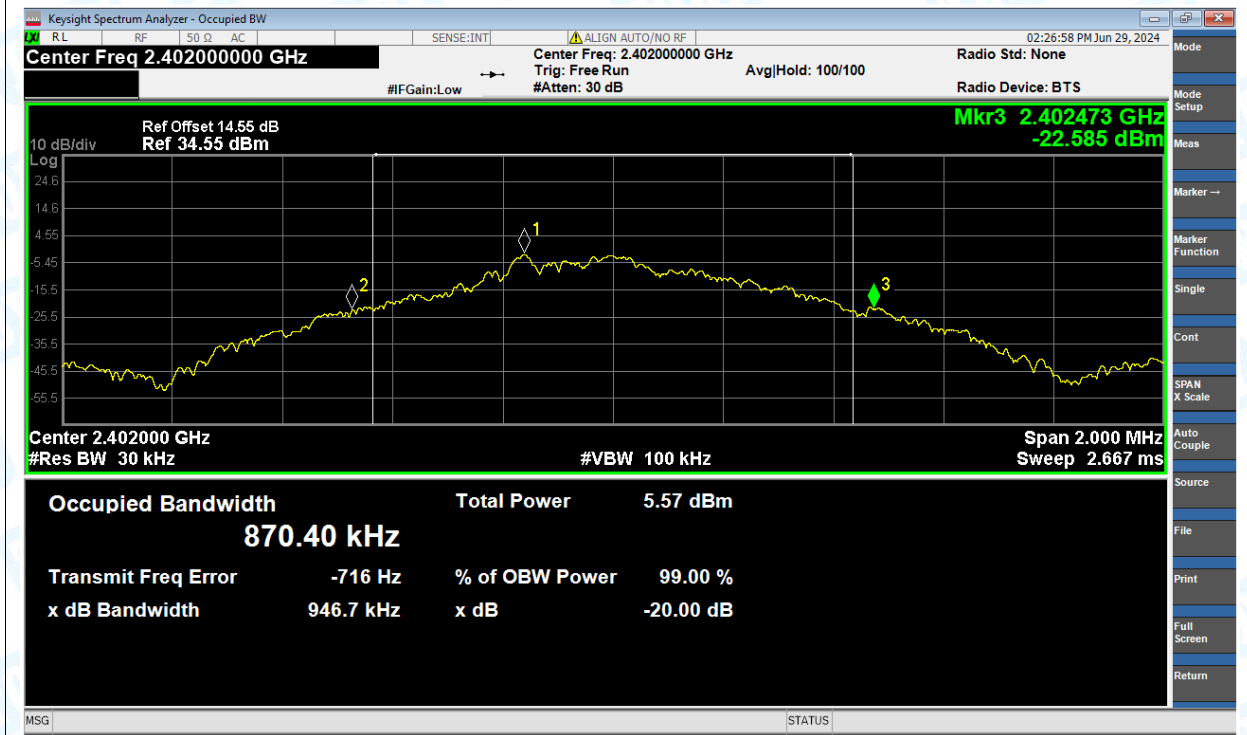
### 3.-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.95	0	Pass
NVNT	1-DH1	2441	Ant1	0.87	0	Pass
NVNT	1-DH1	2480	Ant1	0.94	0	Pass
NVNT	2-DH1	2402	Ant1	1.21	0	Pass
NVNT	2-DH1	2441	Ant1	1.19	0	Pass
NVNT	2-DH1	2480	Ant1	1.2	0	Pass
NVNT	3-DH1	2402	Ant1	1.2	0	Pass
NVNT	3-DH1	2441	Ant1	1.2	0	Pass
NVNT	3-DH1	2480	Ant1	1.21	0	Pass

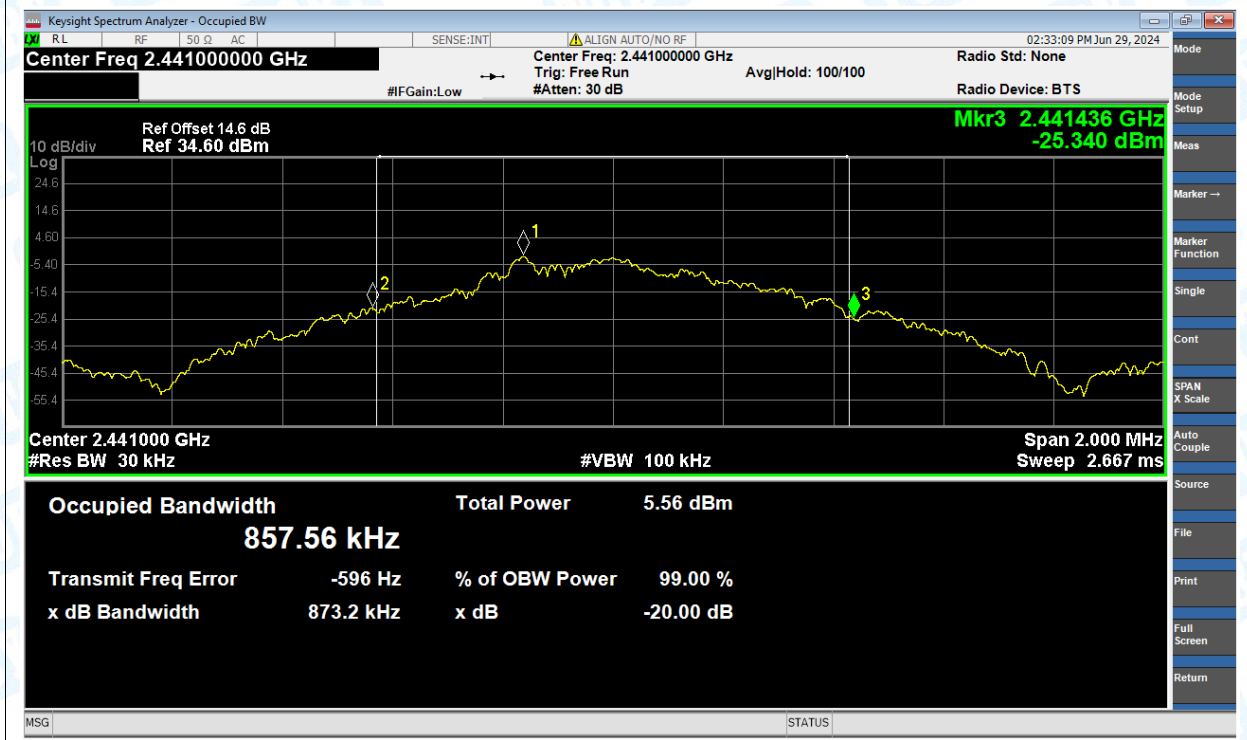


Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



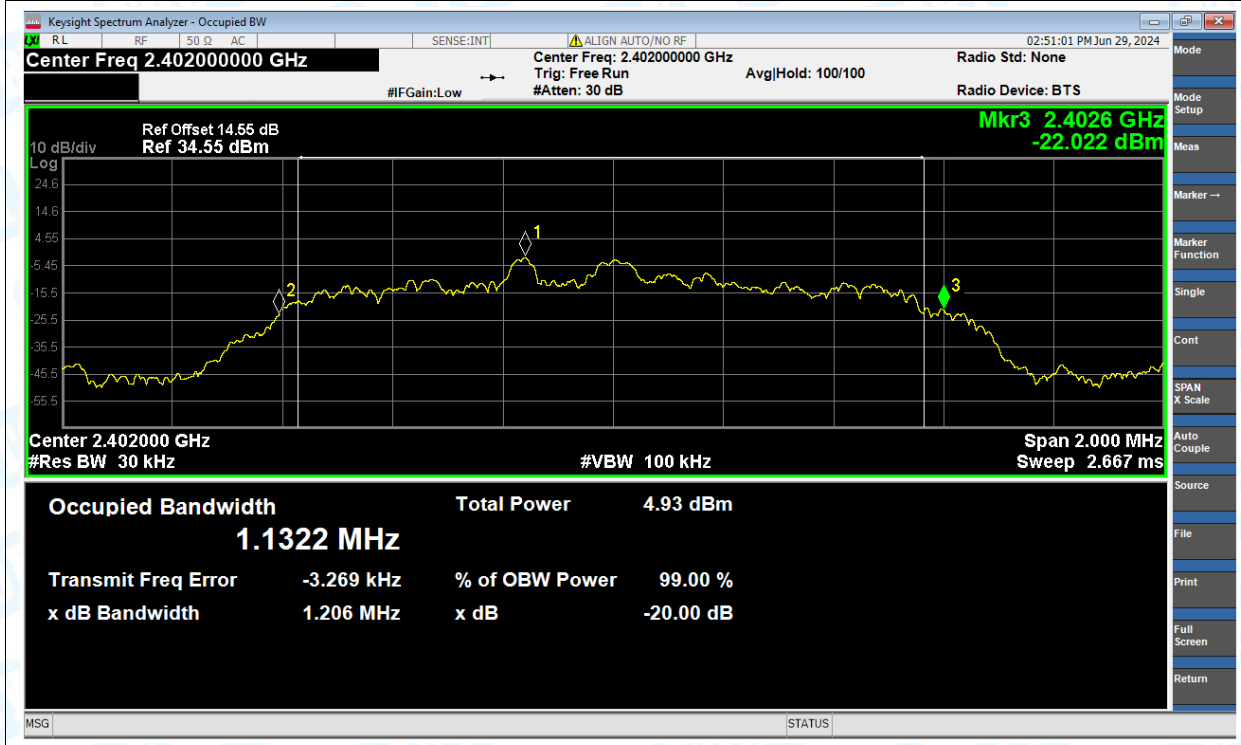
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1

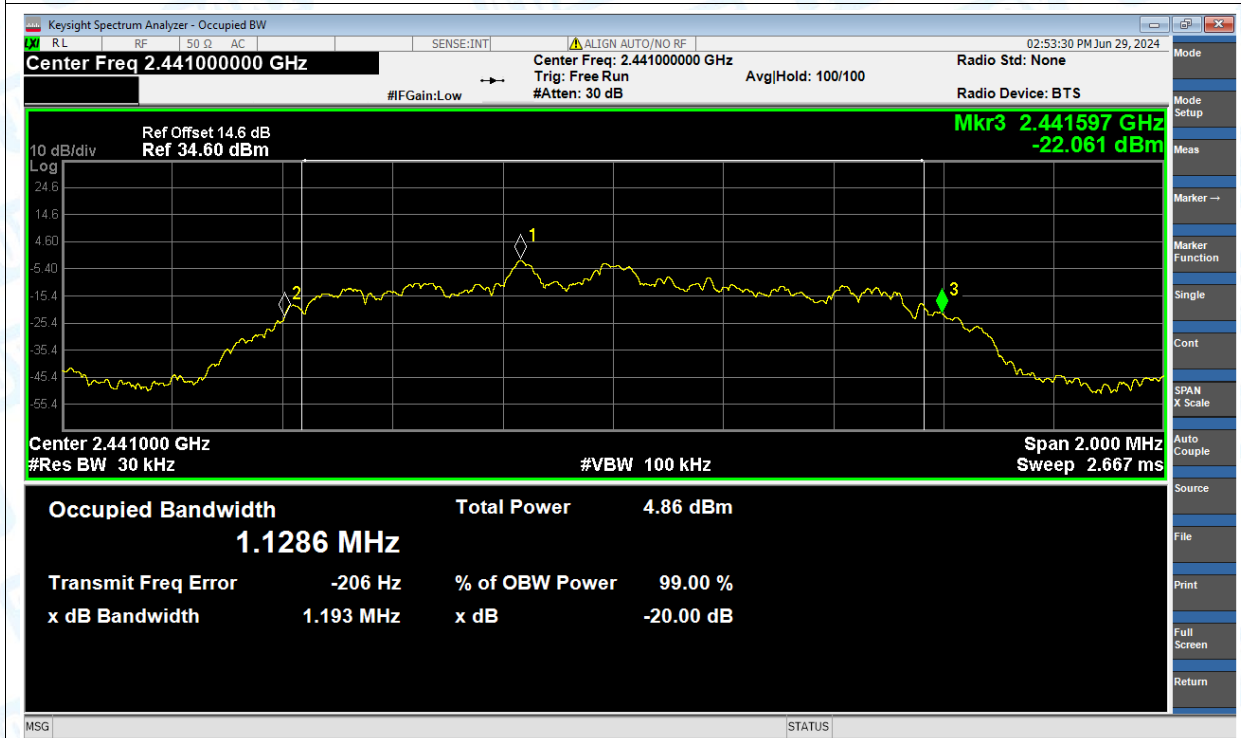


-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

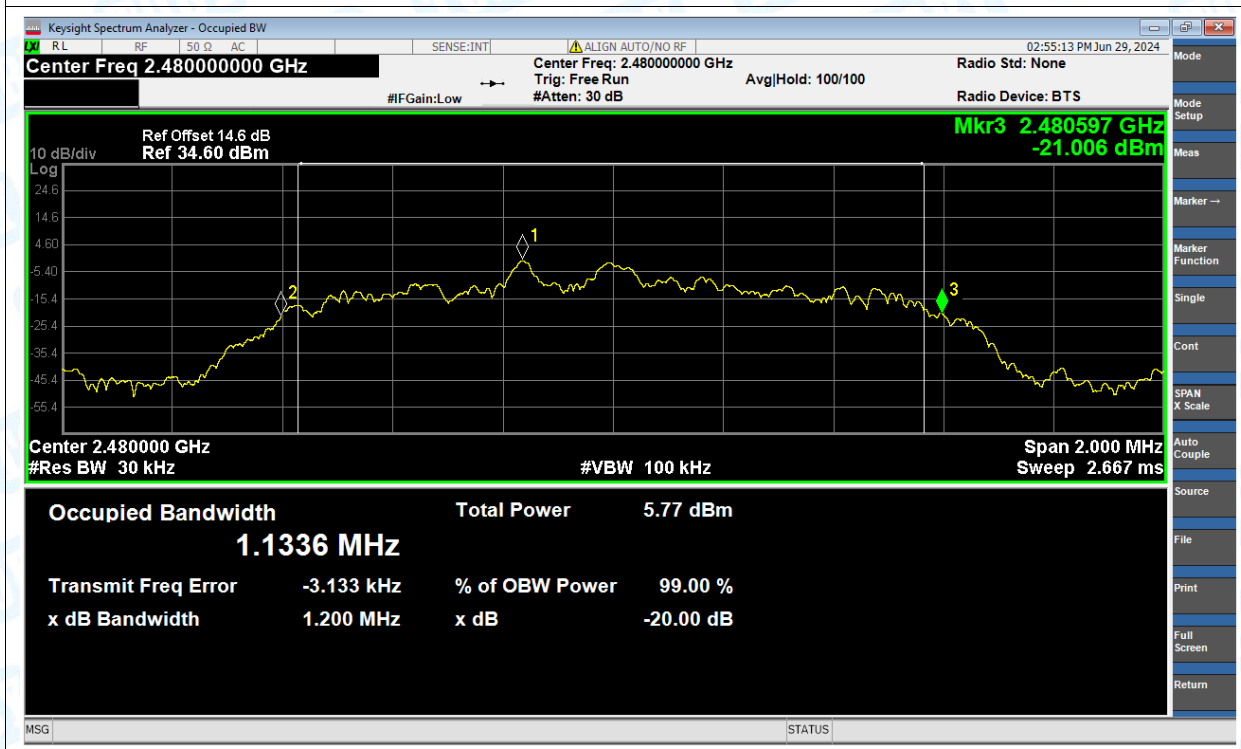




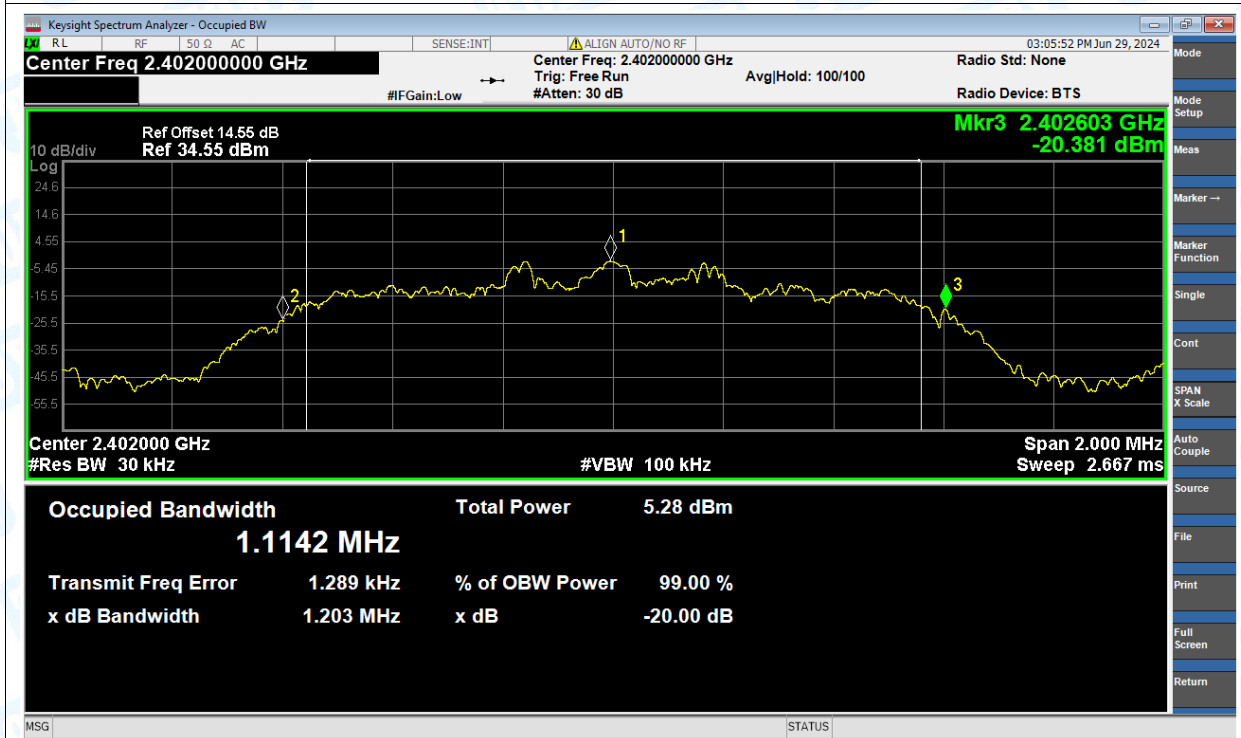
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



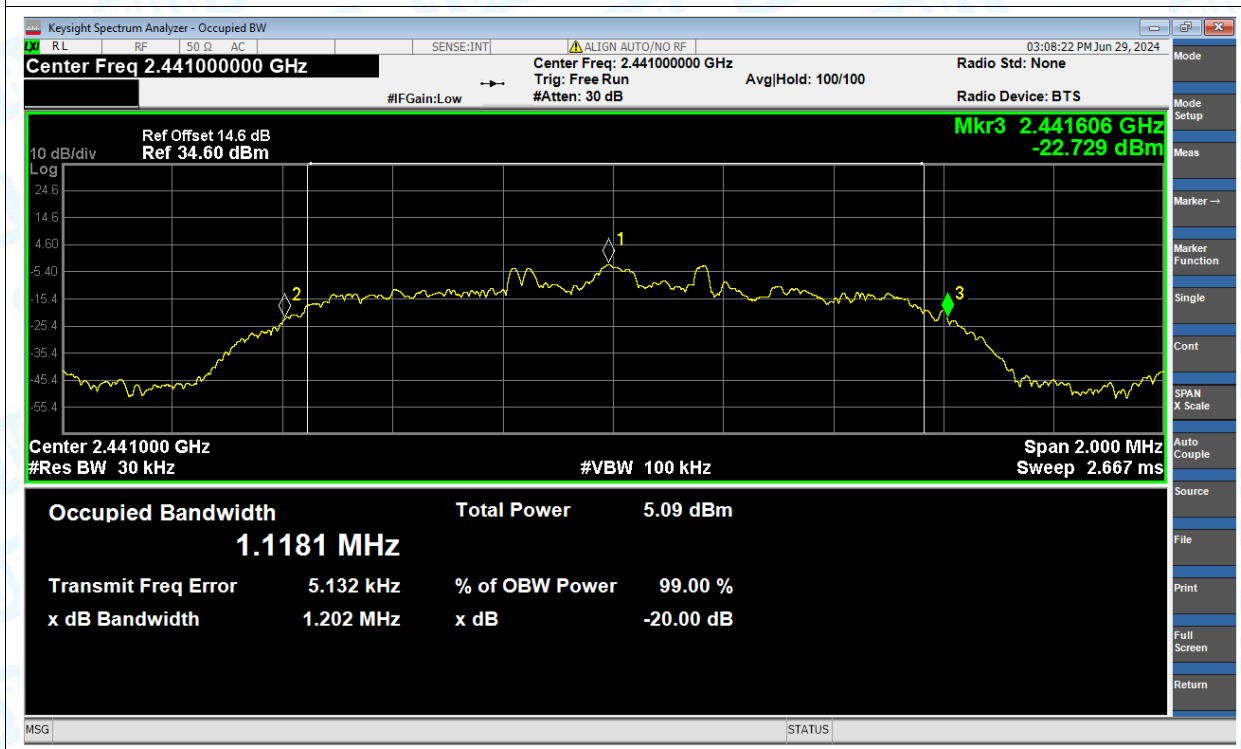
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



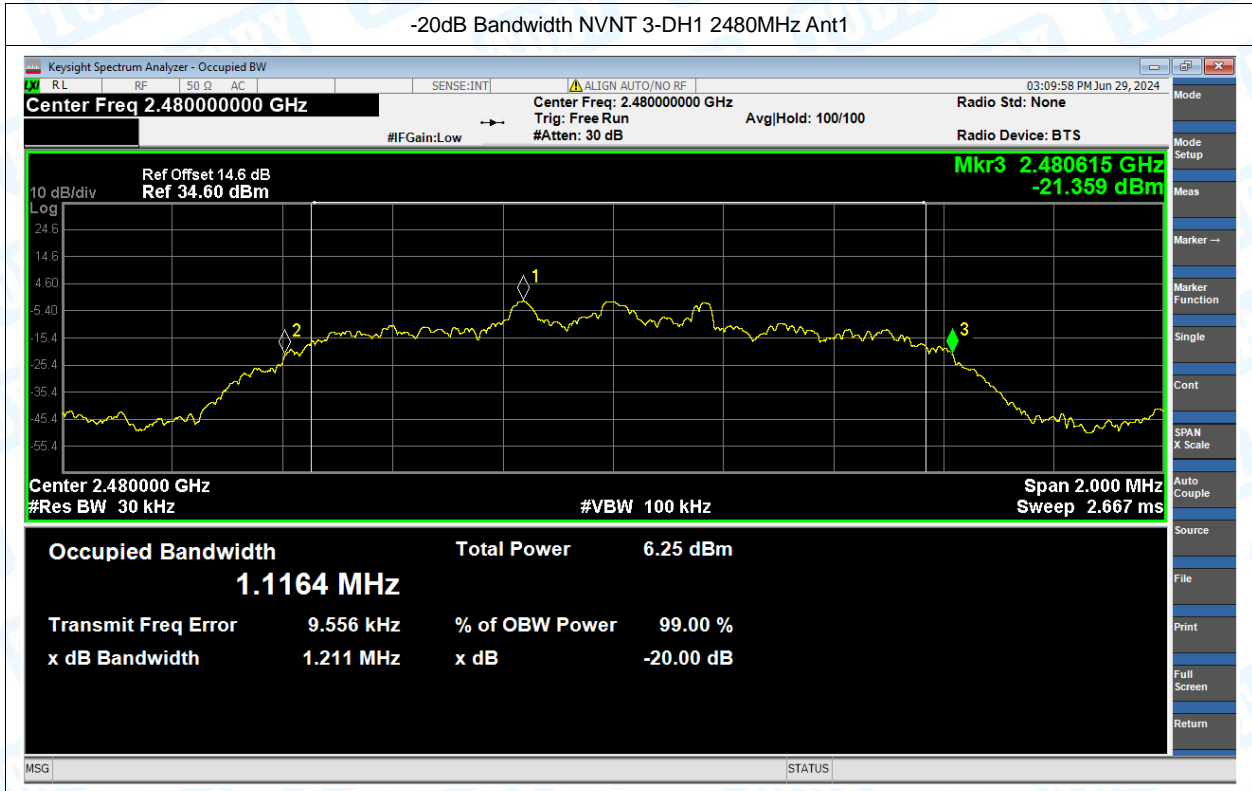
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1







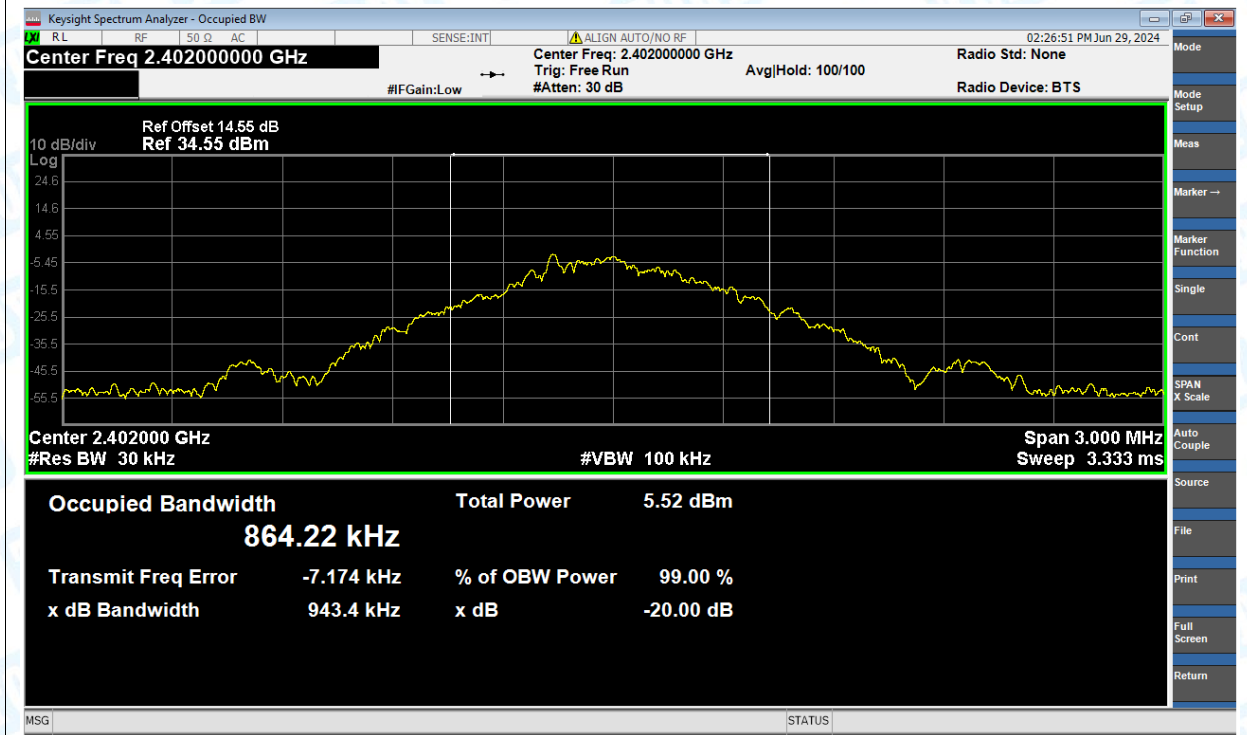
## 4.Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.864
NVNT	1-DH1	2441	Ant1	0.849
NVNT	1-DH1	2480	Ant1	0.853
NVNT	2-DH1	2402	Ant1	1.14
NVNT	2-DH1	2441	Ant1	1.129
NVNT	2-DH1	2480	Ant1	1.129
NVNT	3-DH1	2402	Ant1	1.125
NVNT	3-DH1	2441	Ant1	1.106
NVNT	3-DH1	2480	Ant1	1.109

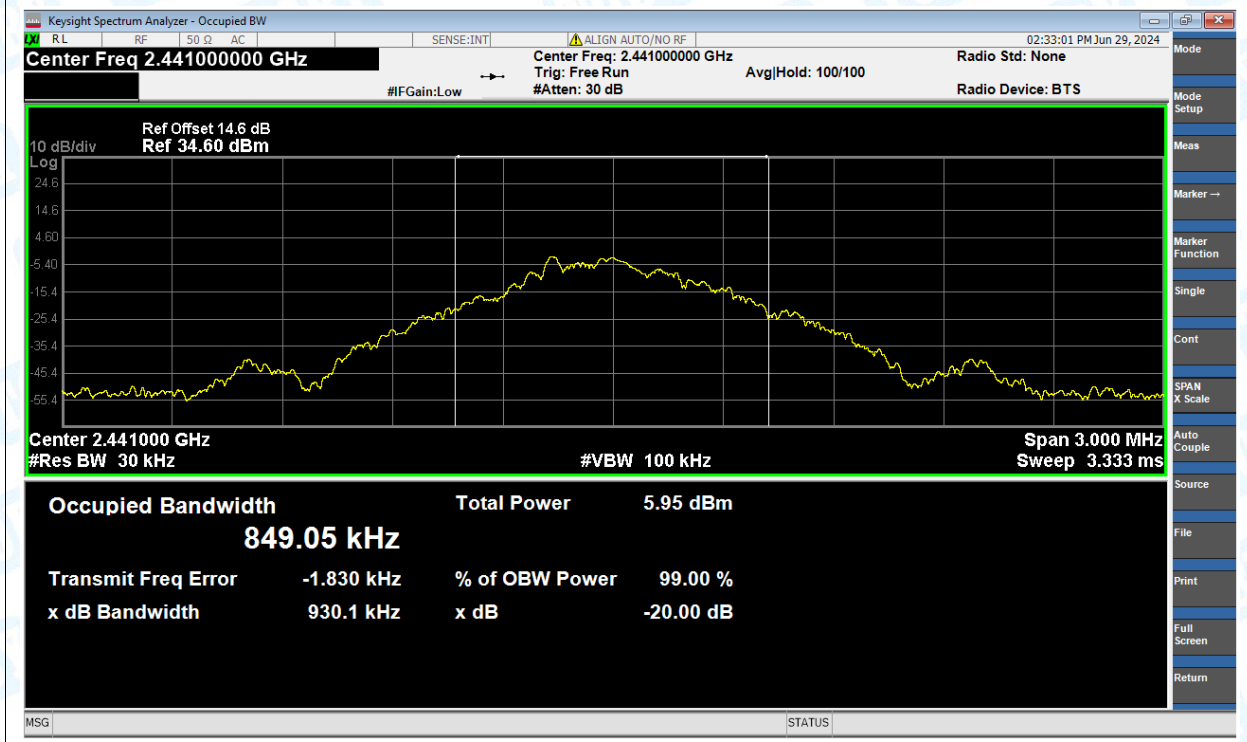


Test Graphs

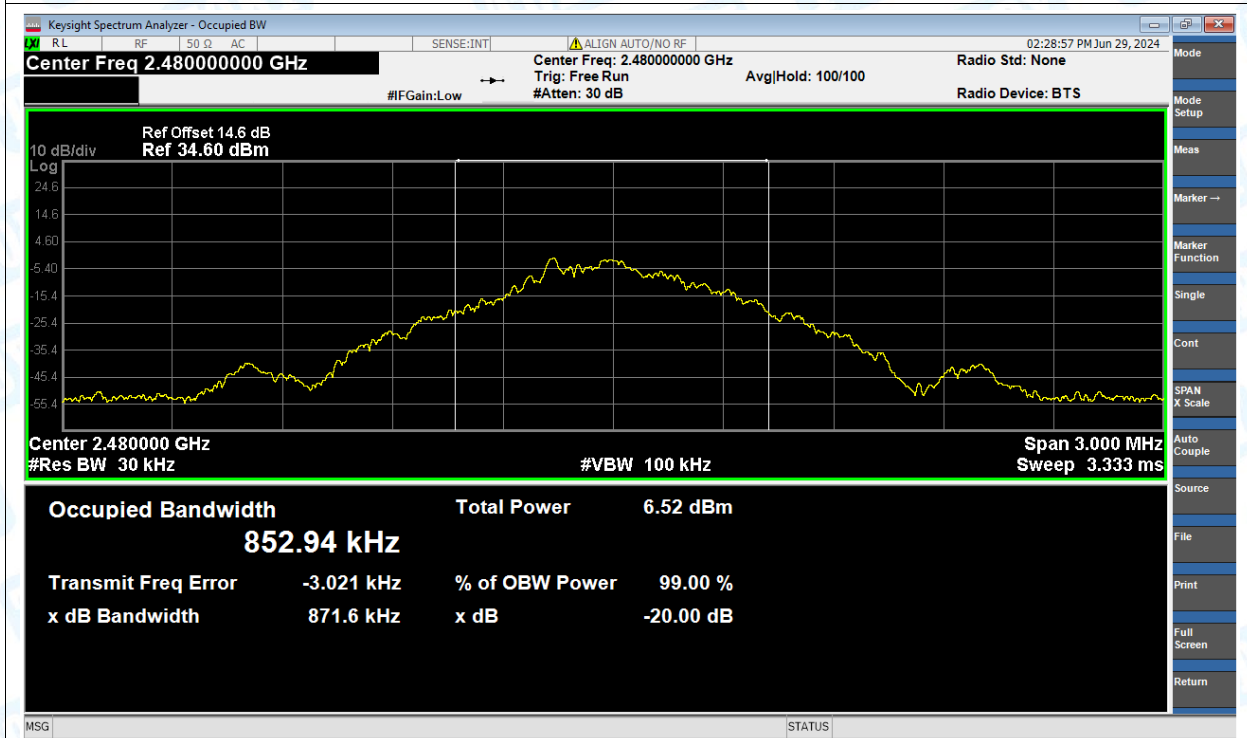
OBW NVNT 1-DH1 2402MHz Ant1



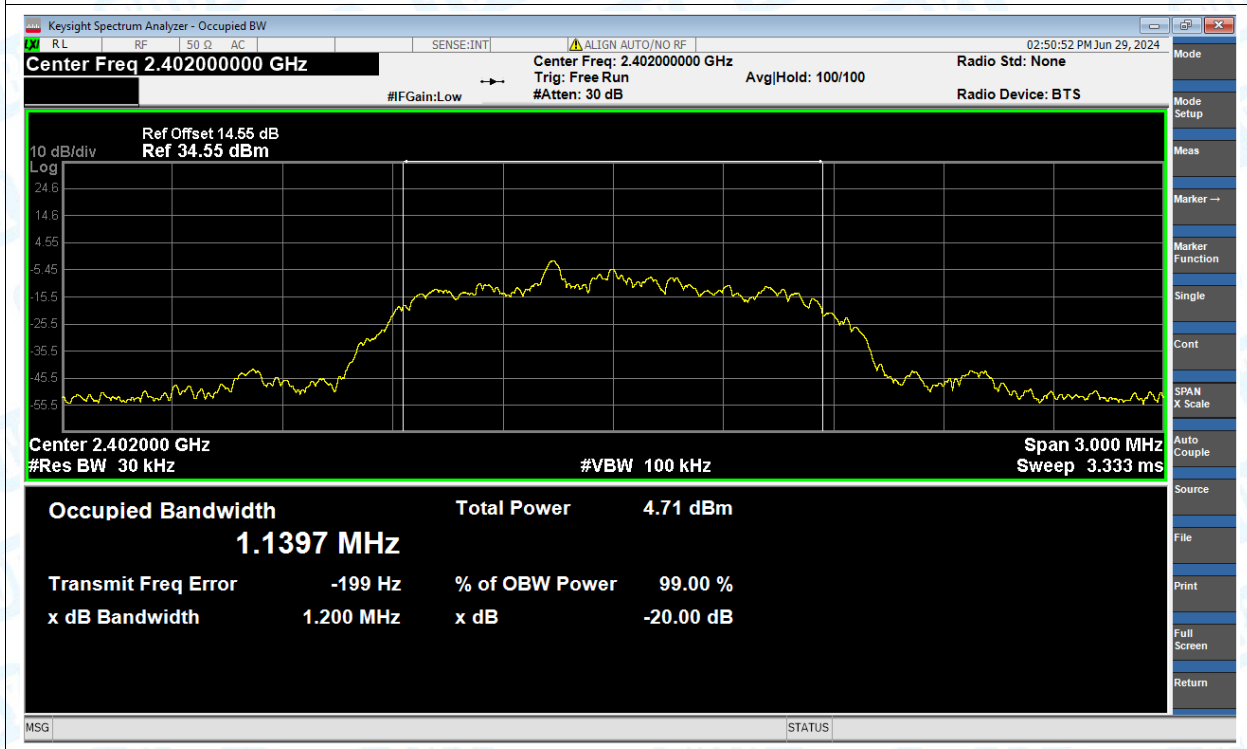
OBW NVNT 1-DH1 2441MHz Ant1



OBW NVNT 1-DH1 2480MHz Ant1

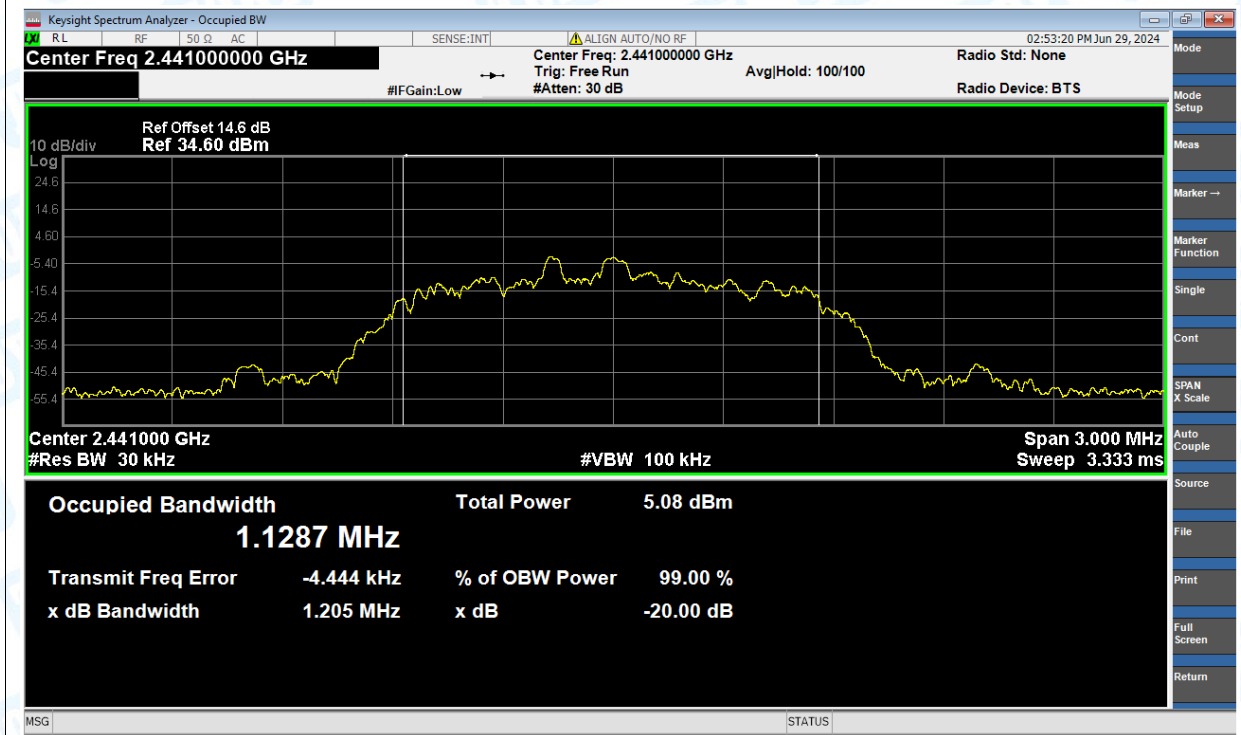


OBW NVNT 2-DH1 2402MHz Ant1

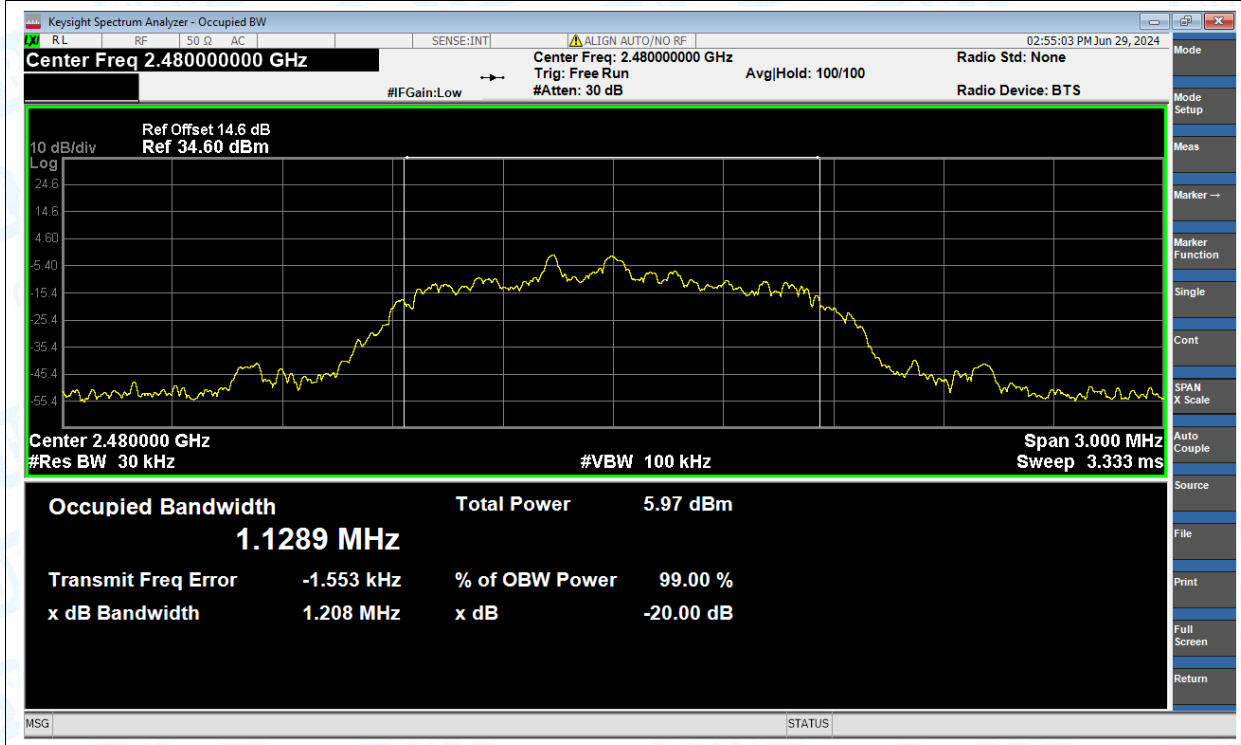




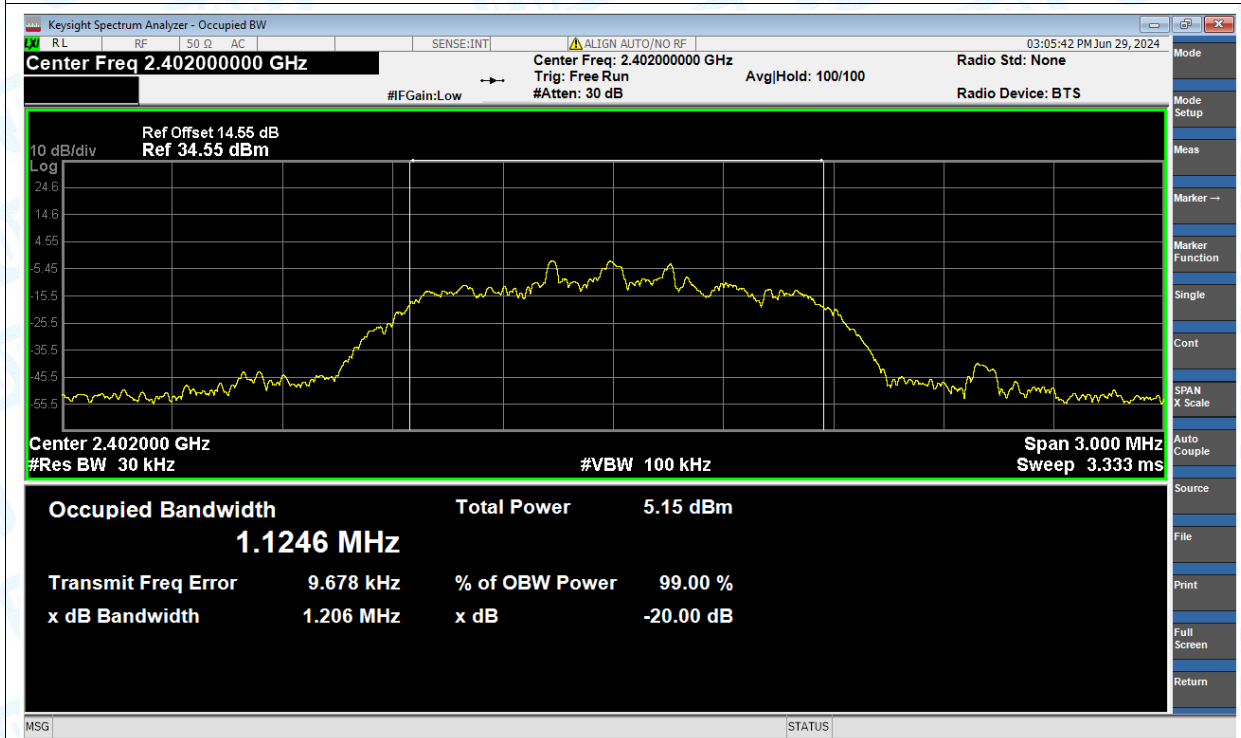
OBW NVNT 2-DH1 2441MHz Ant1



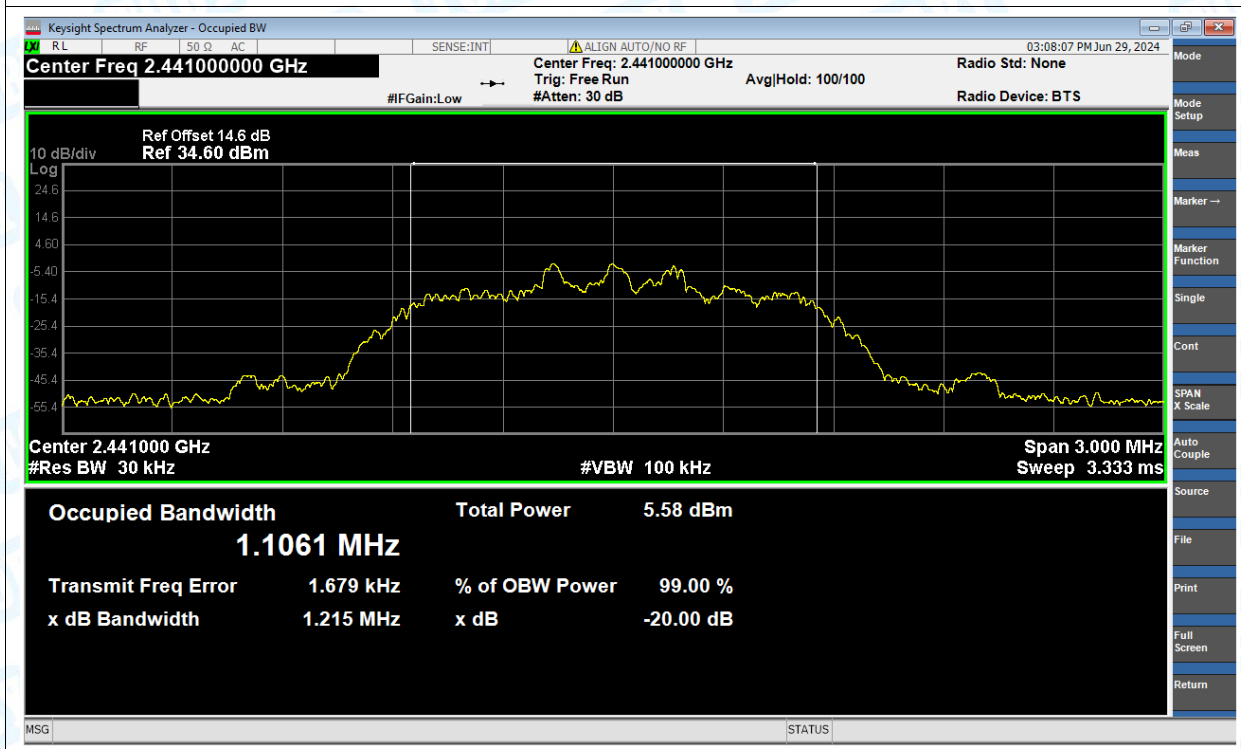
OBW NVNT 2-DH1 2480MHz Ant1



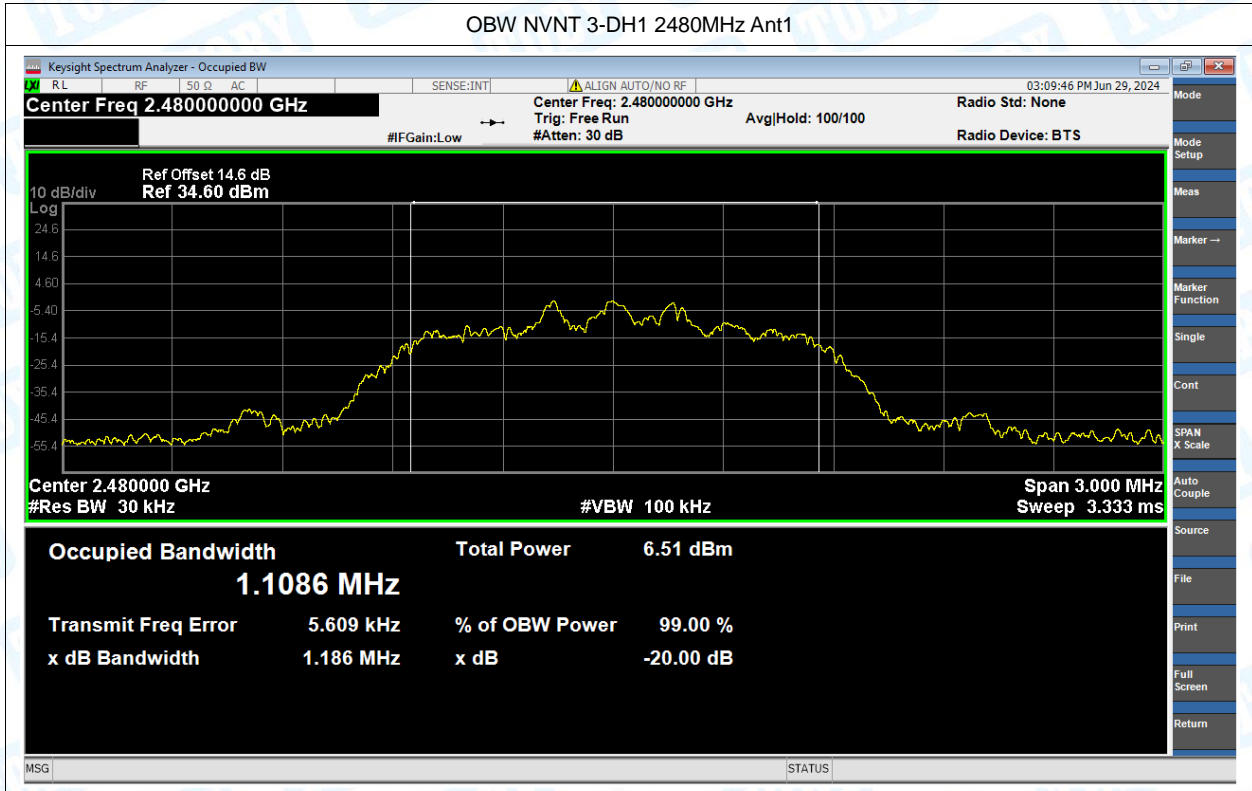
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1







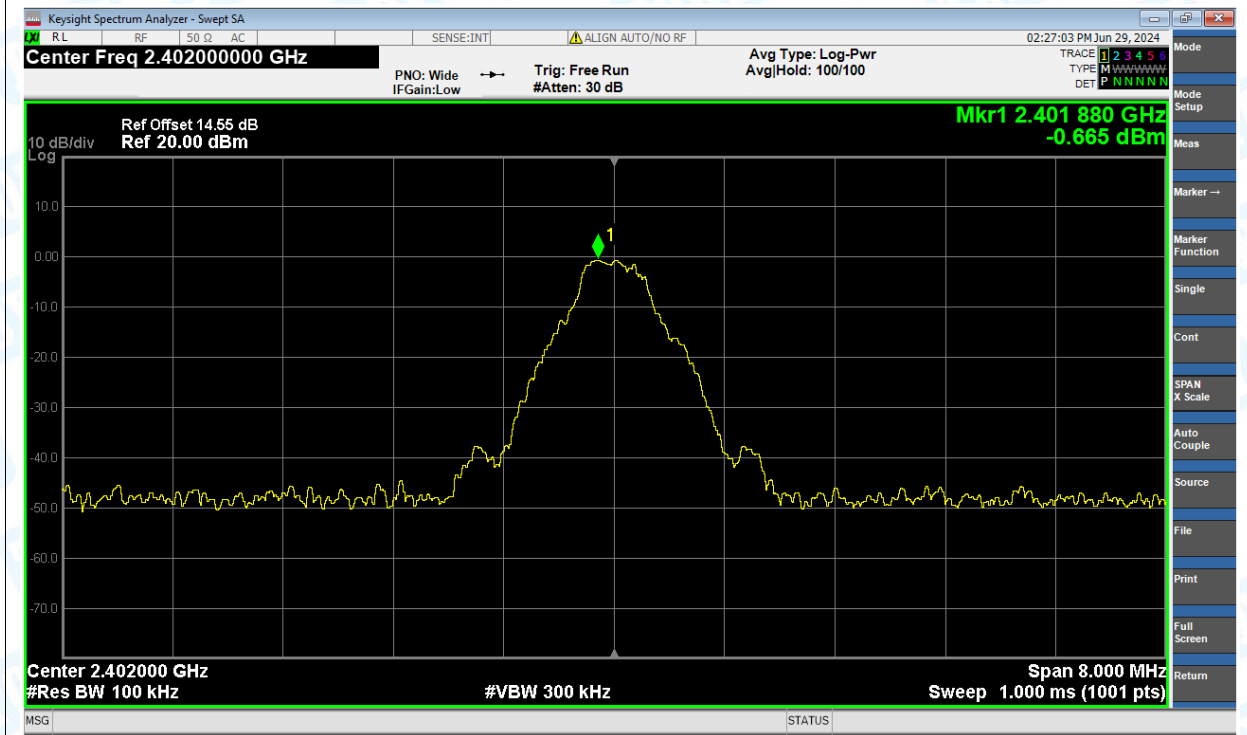
## 5.Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-43.05	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-45.38	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-43.35	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-44.42	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-43.99	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-45.27	-20	Pass

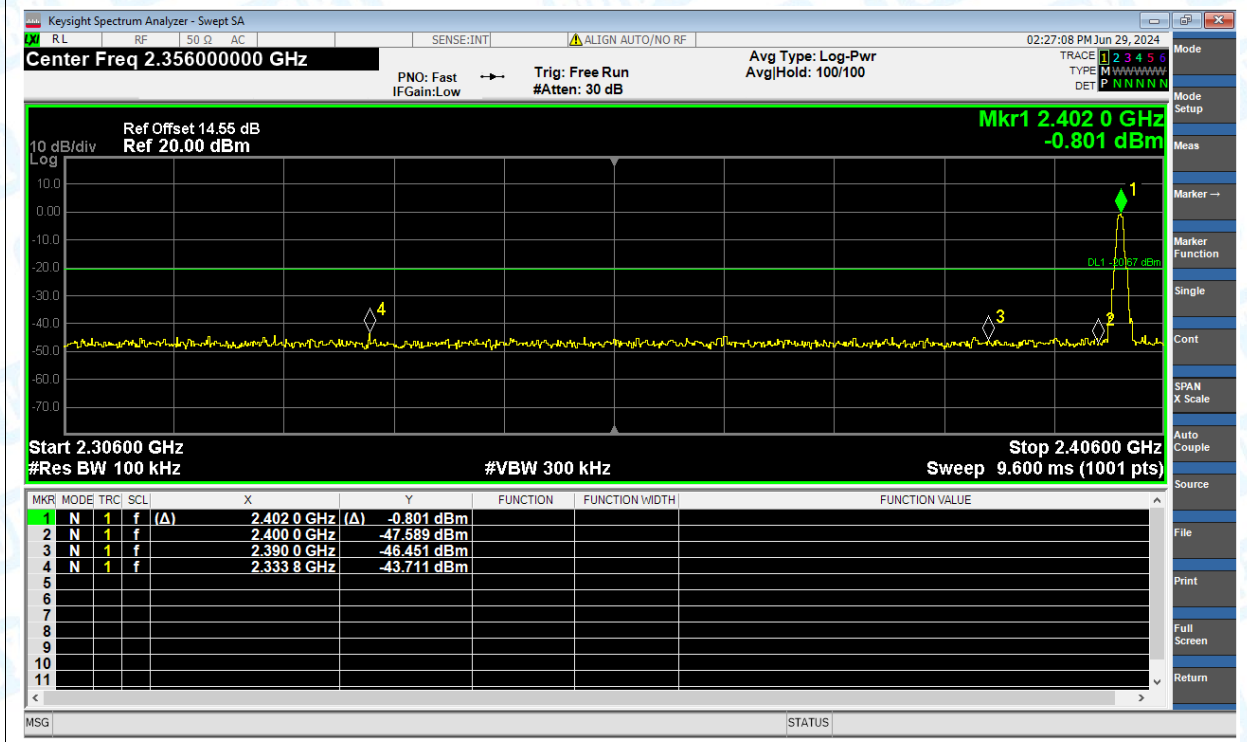


Test Graphs

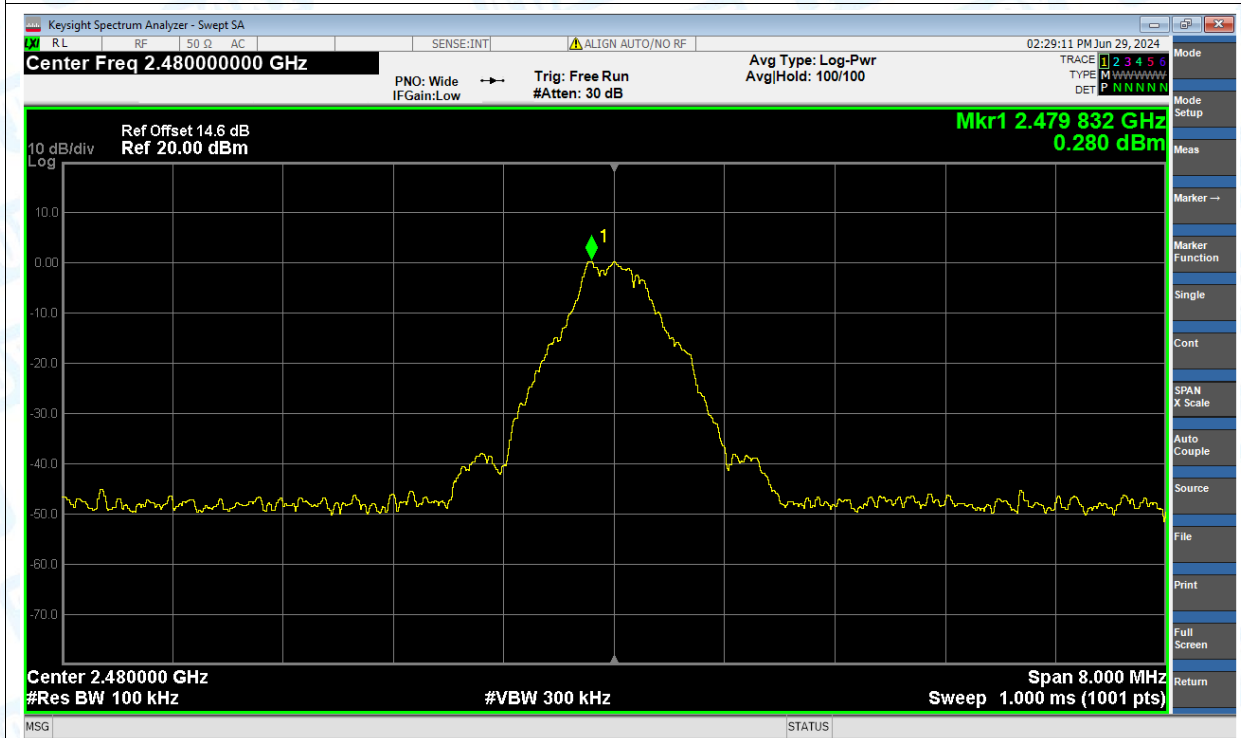
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



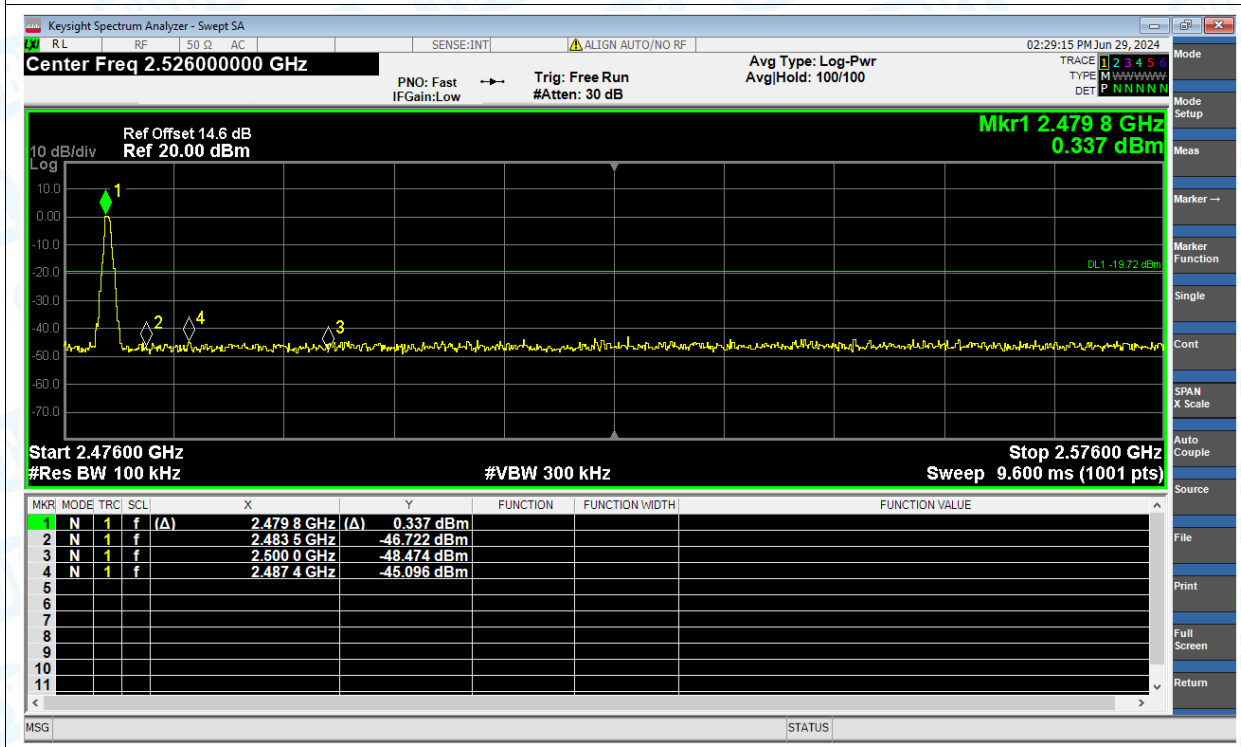
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



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

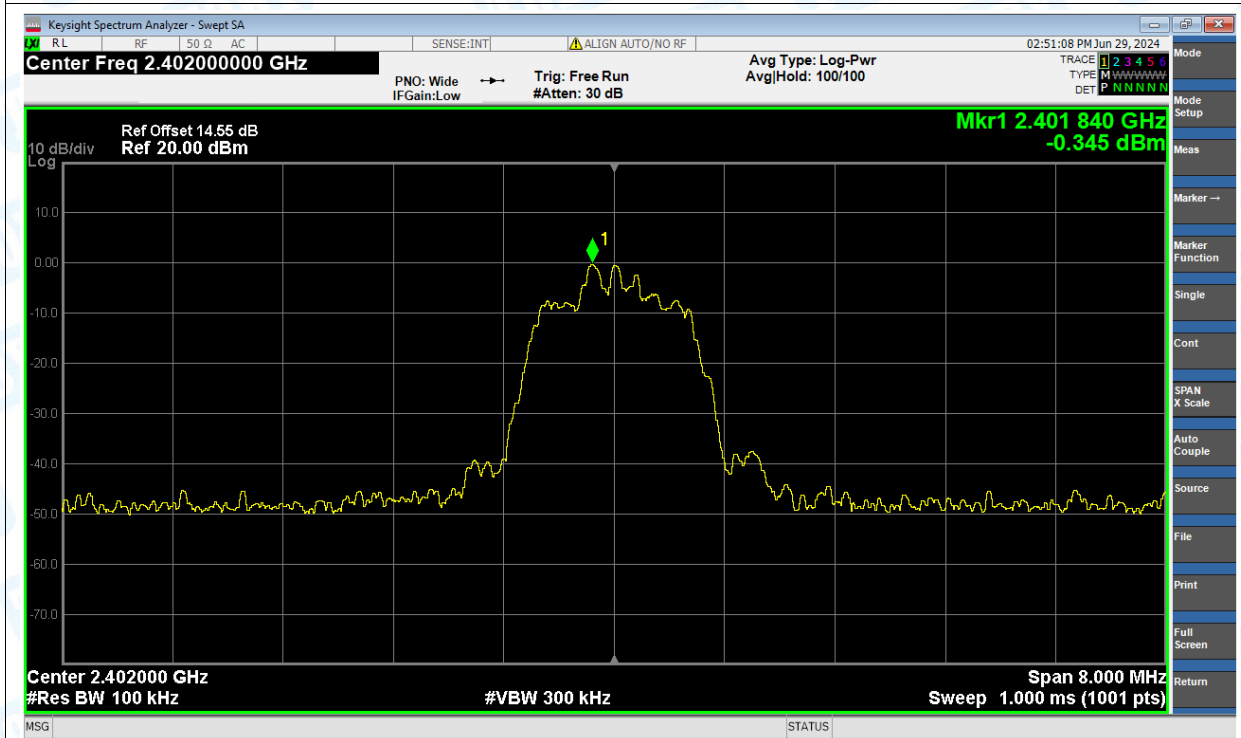


Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission

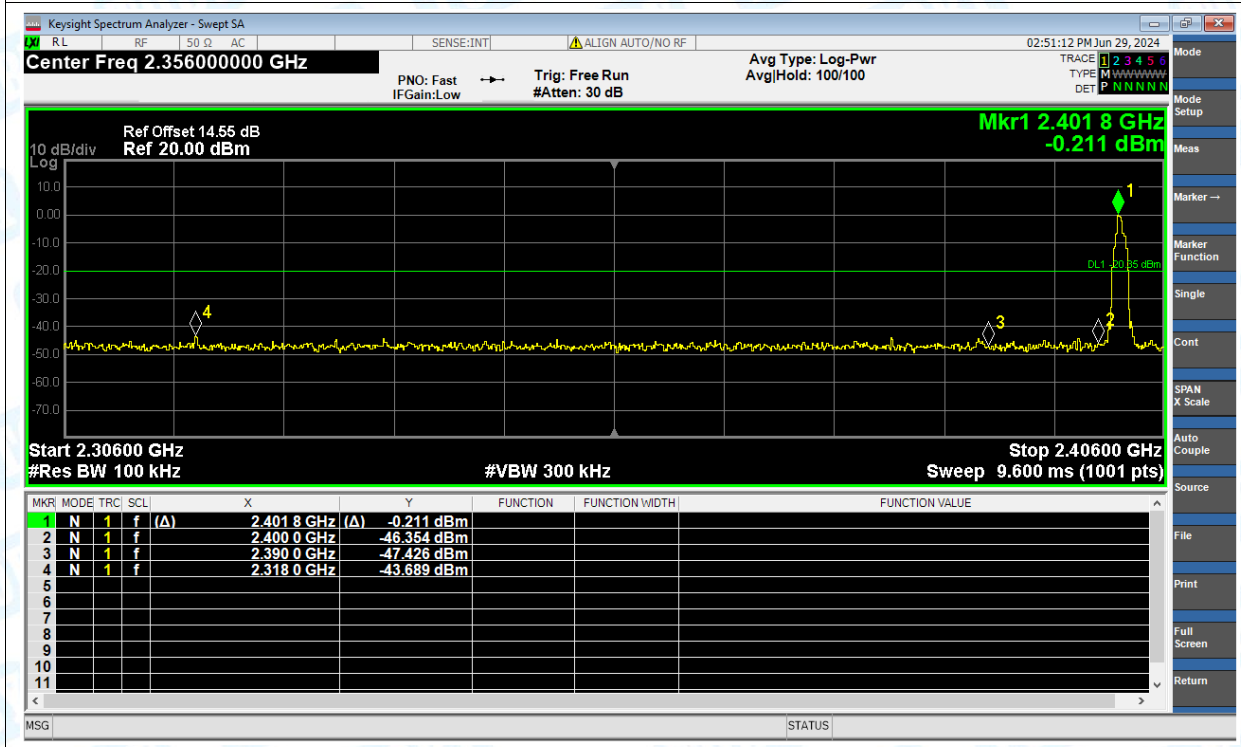




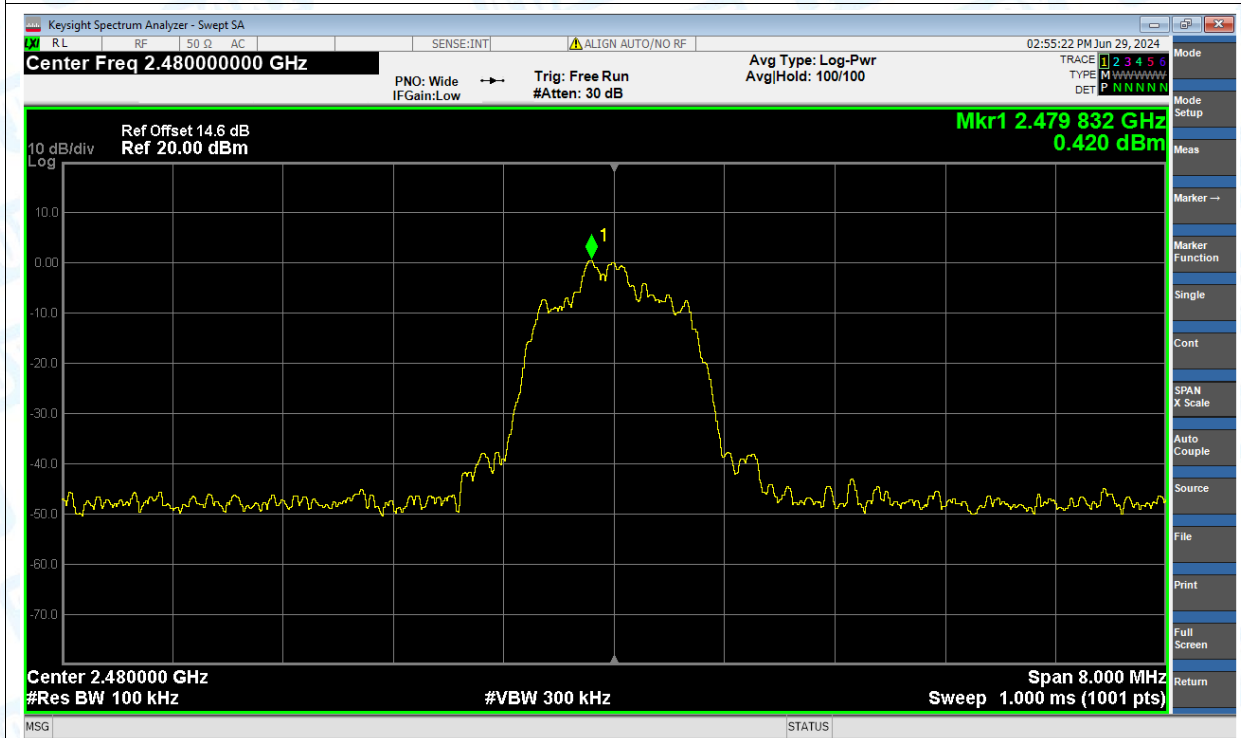
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



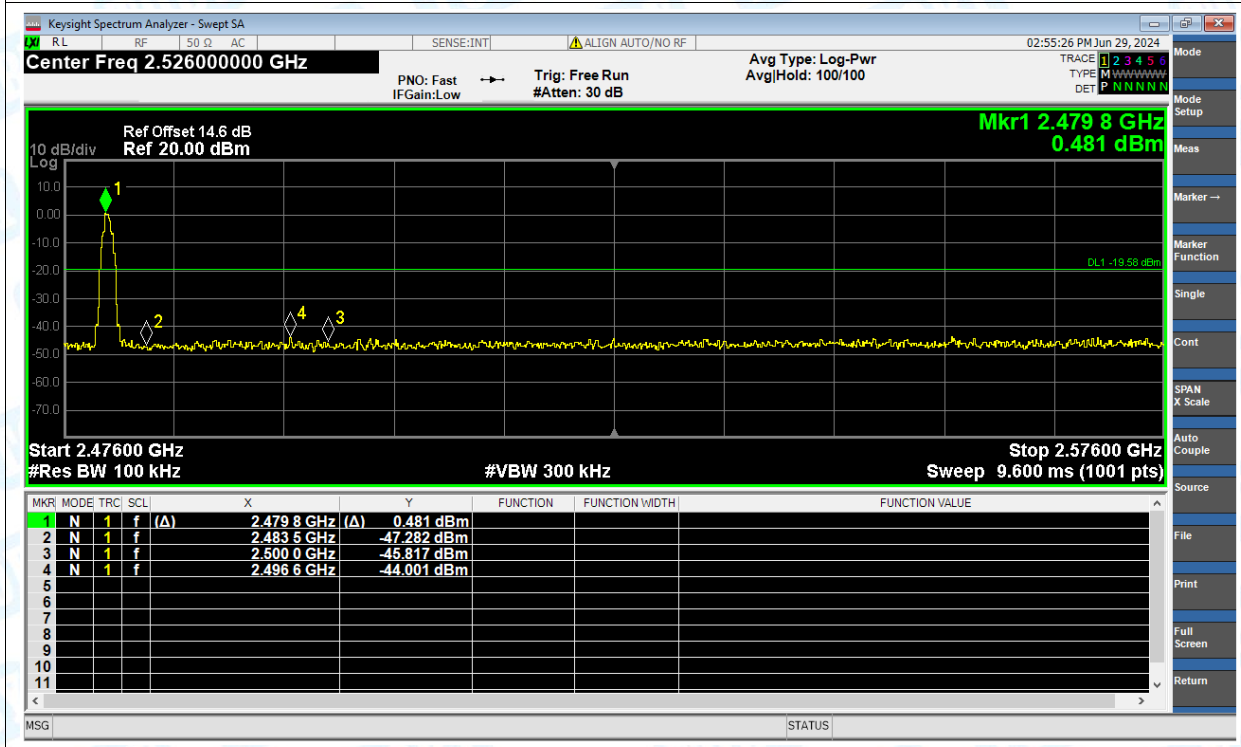
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



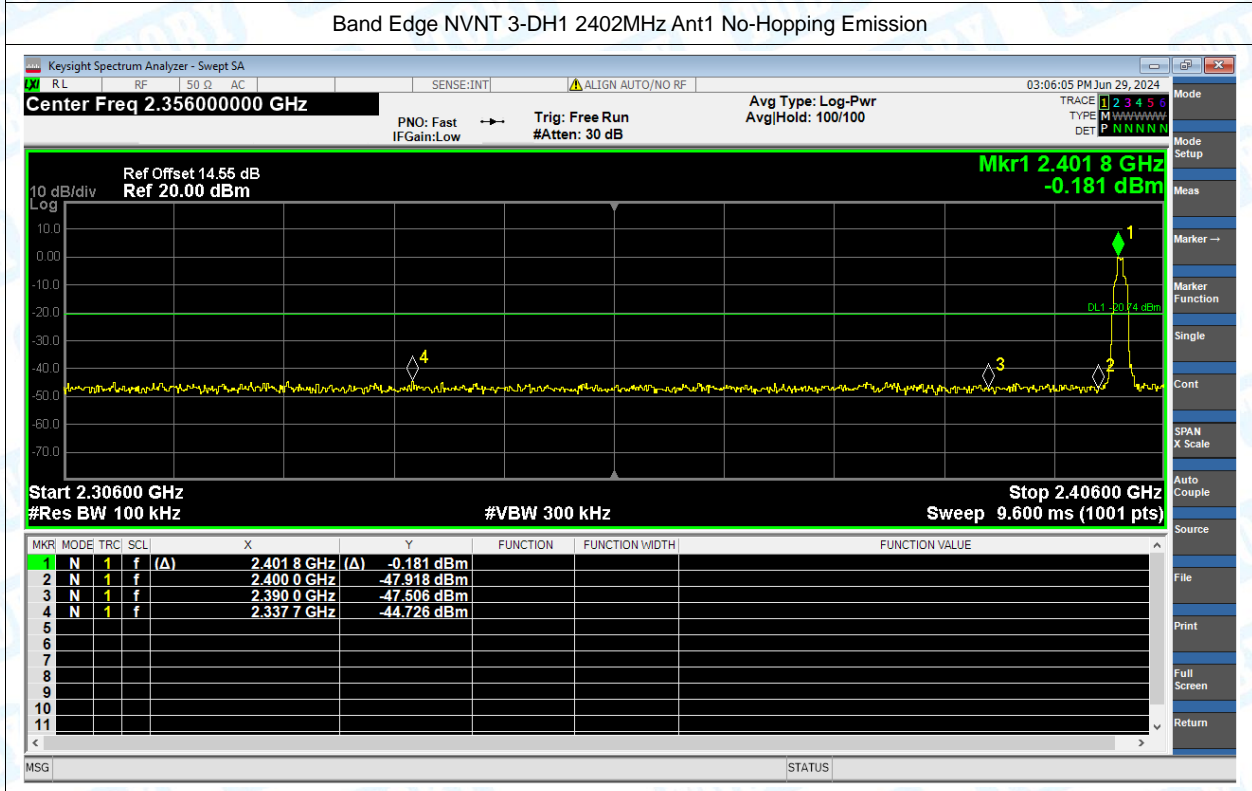
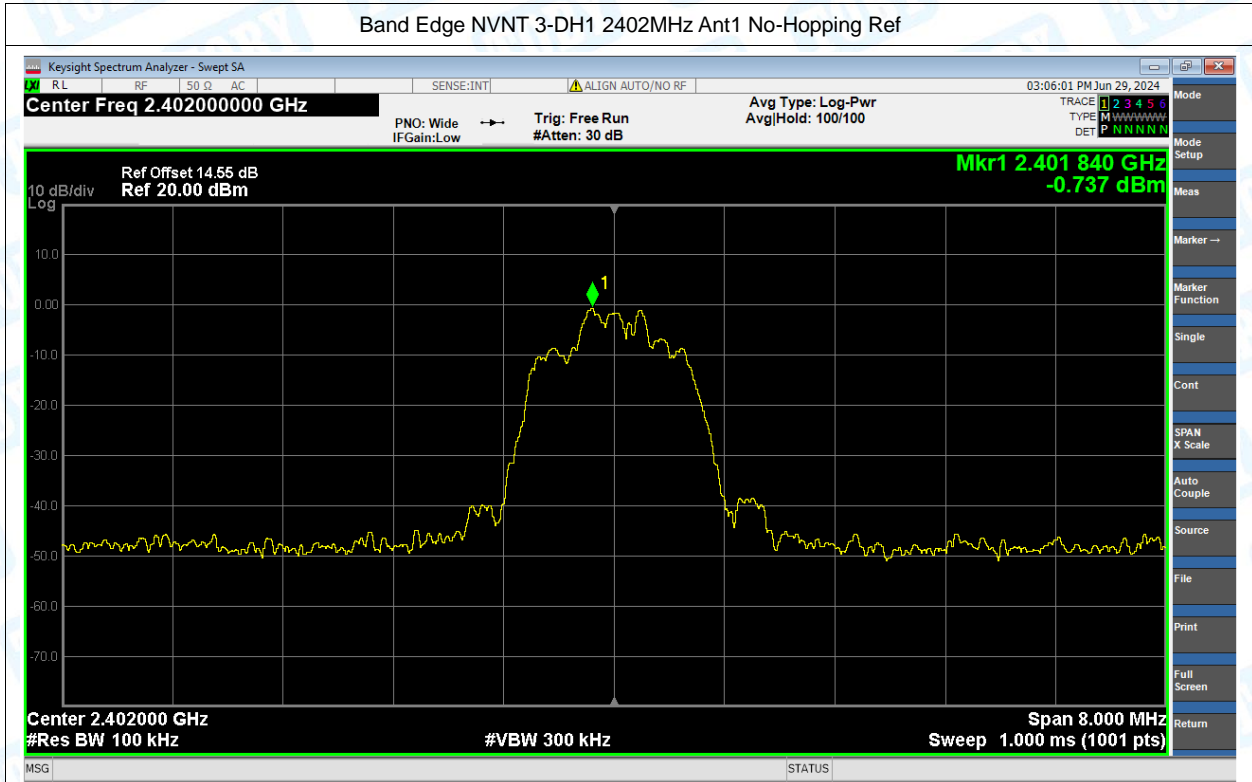
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



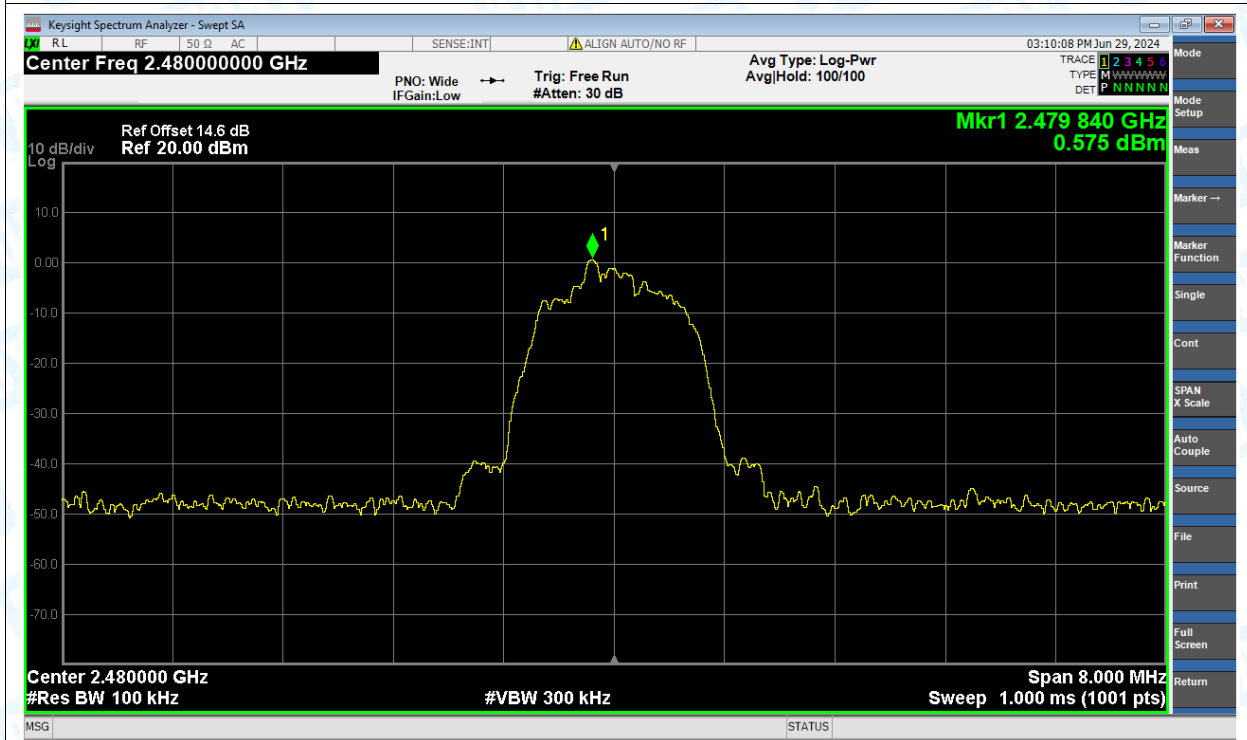
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



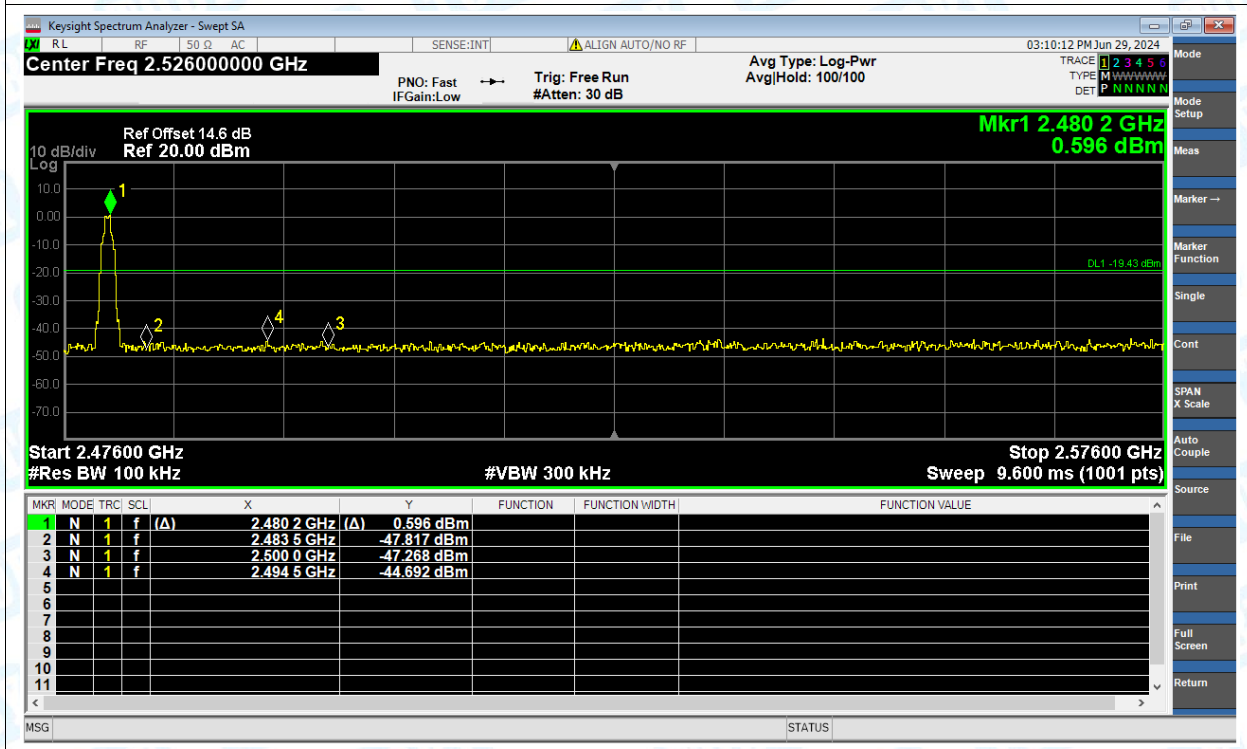




Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



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



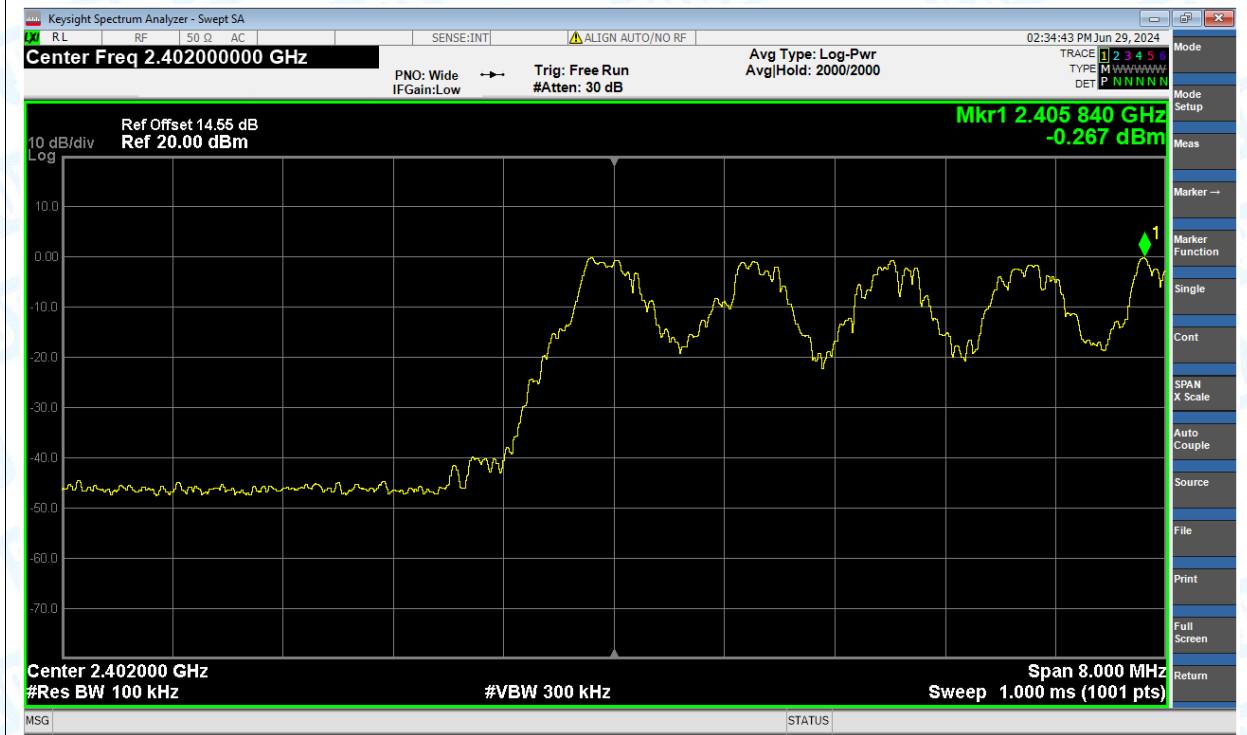


## 6. Band Edge(Hopping)

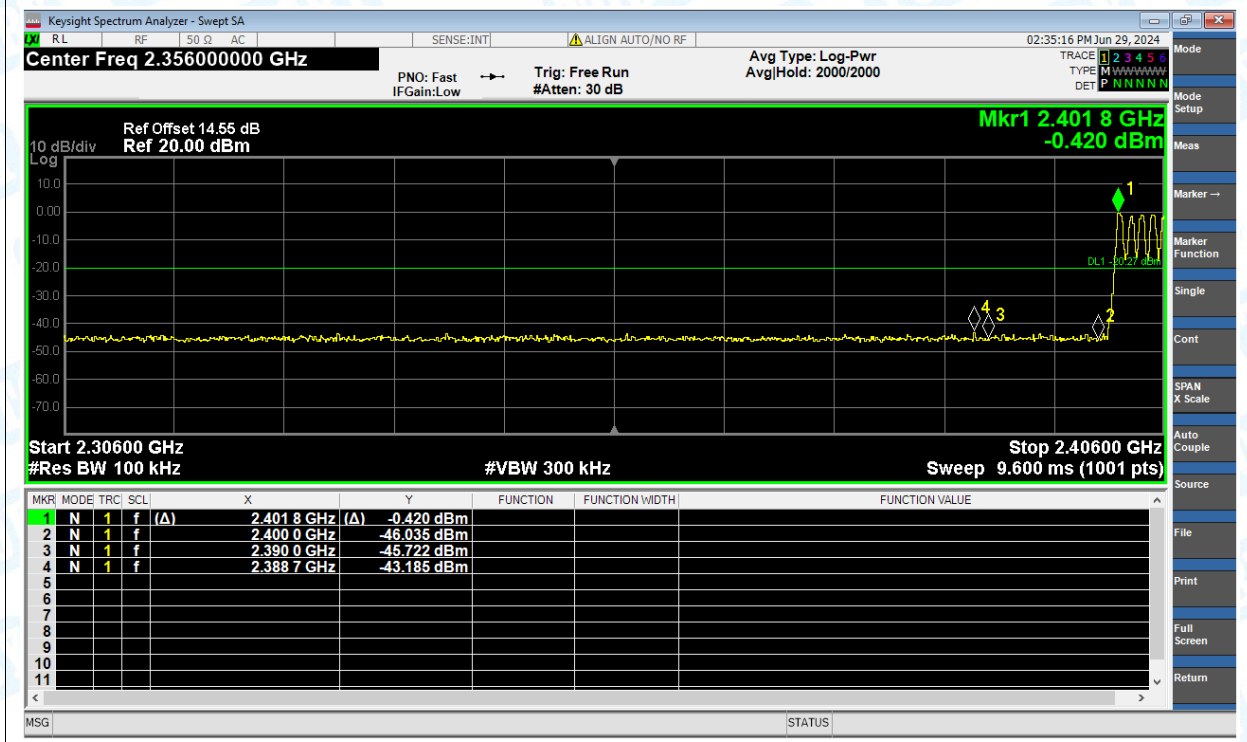
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-42.91	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-43.97	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-42.63	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-44.35	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-42.9	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-43.7	-20	Pass

Test Graphs

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

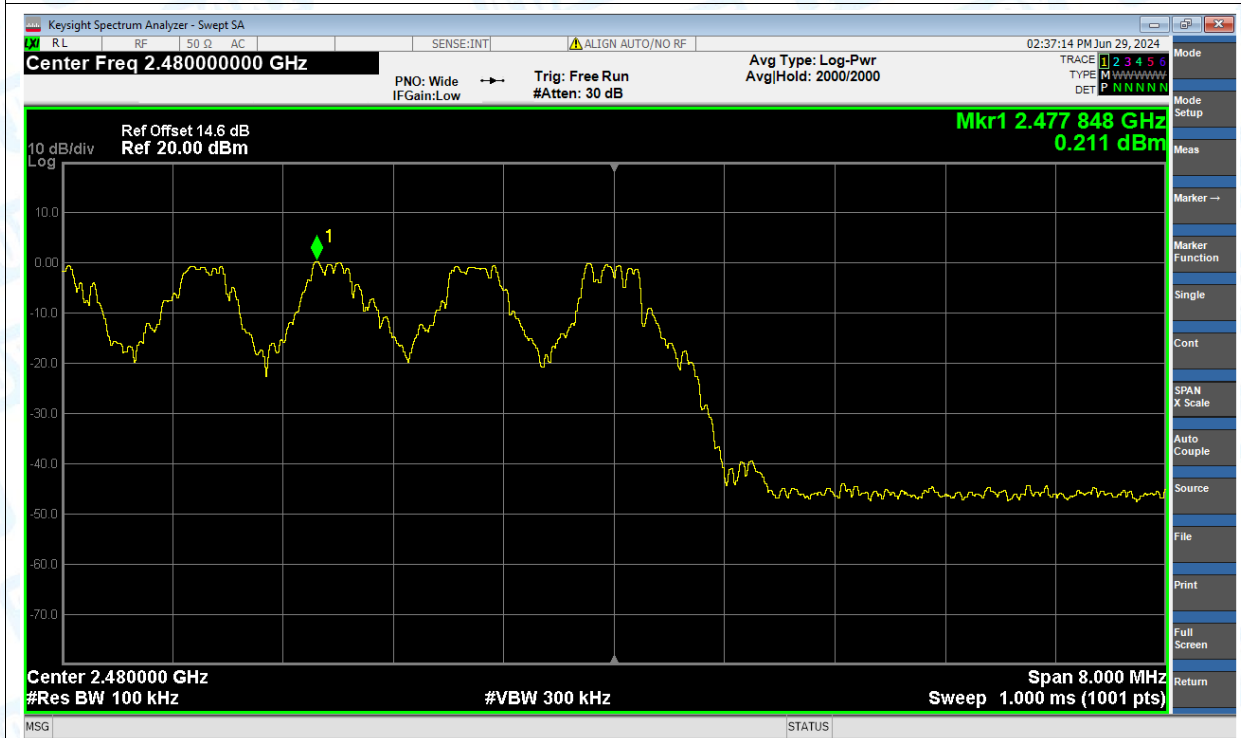


Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

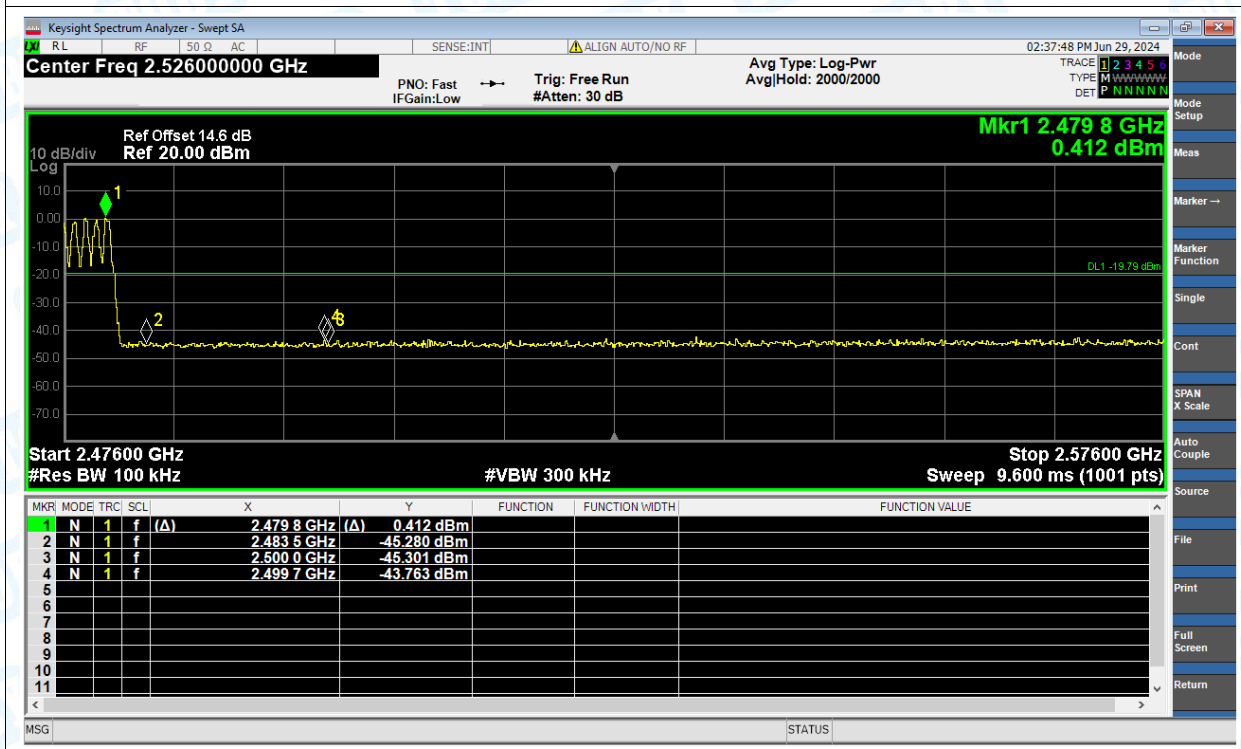




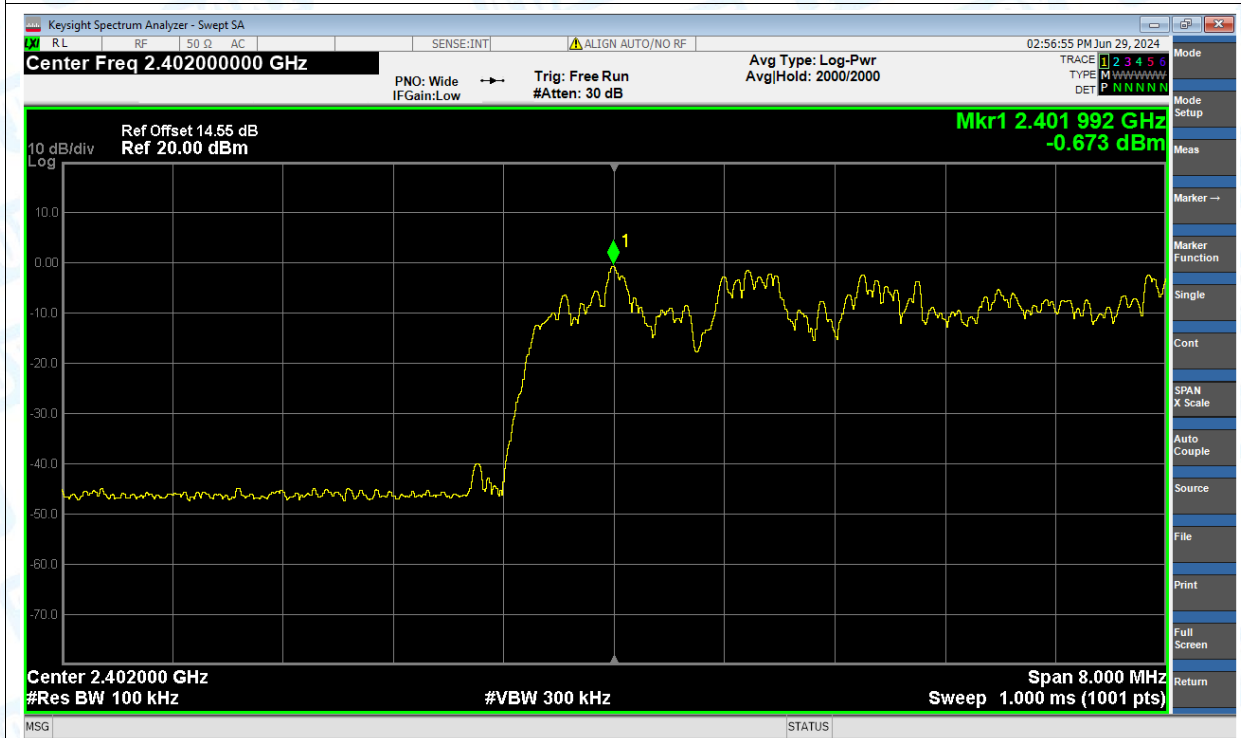
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



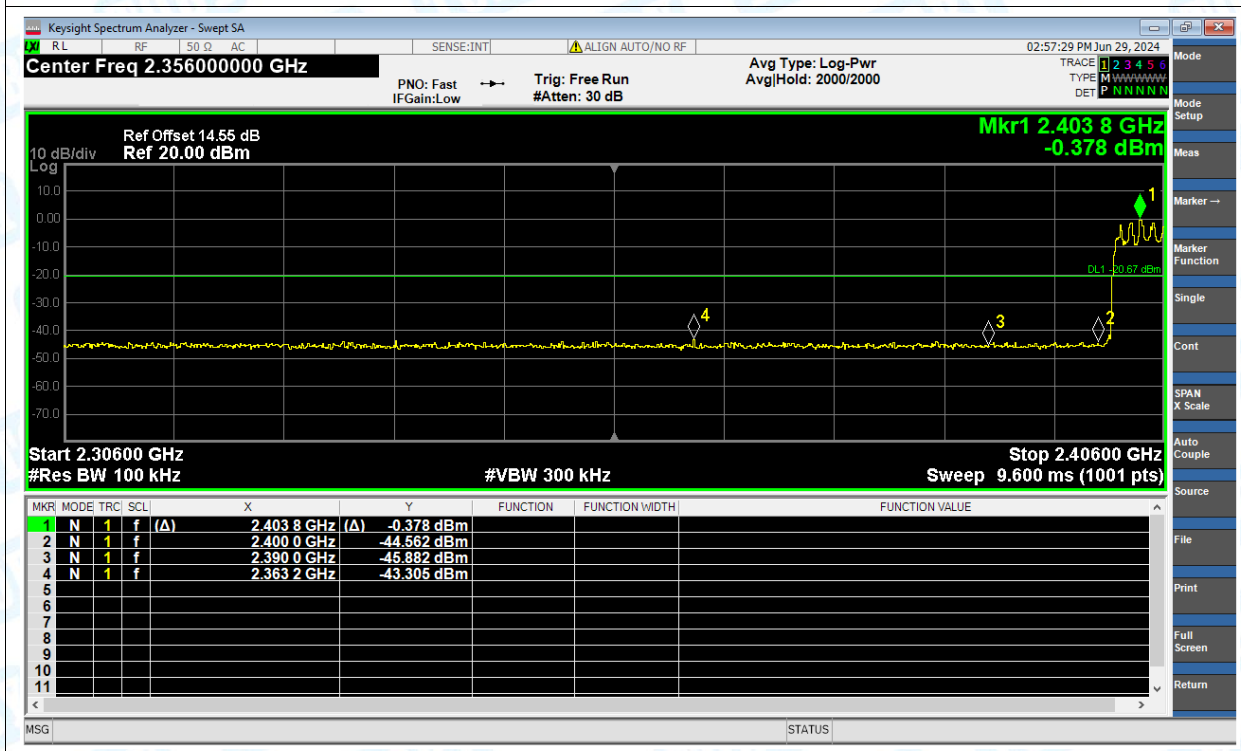
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



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

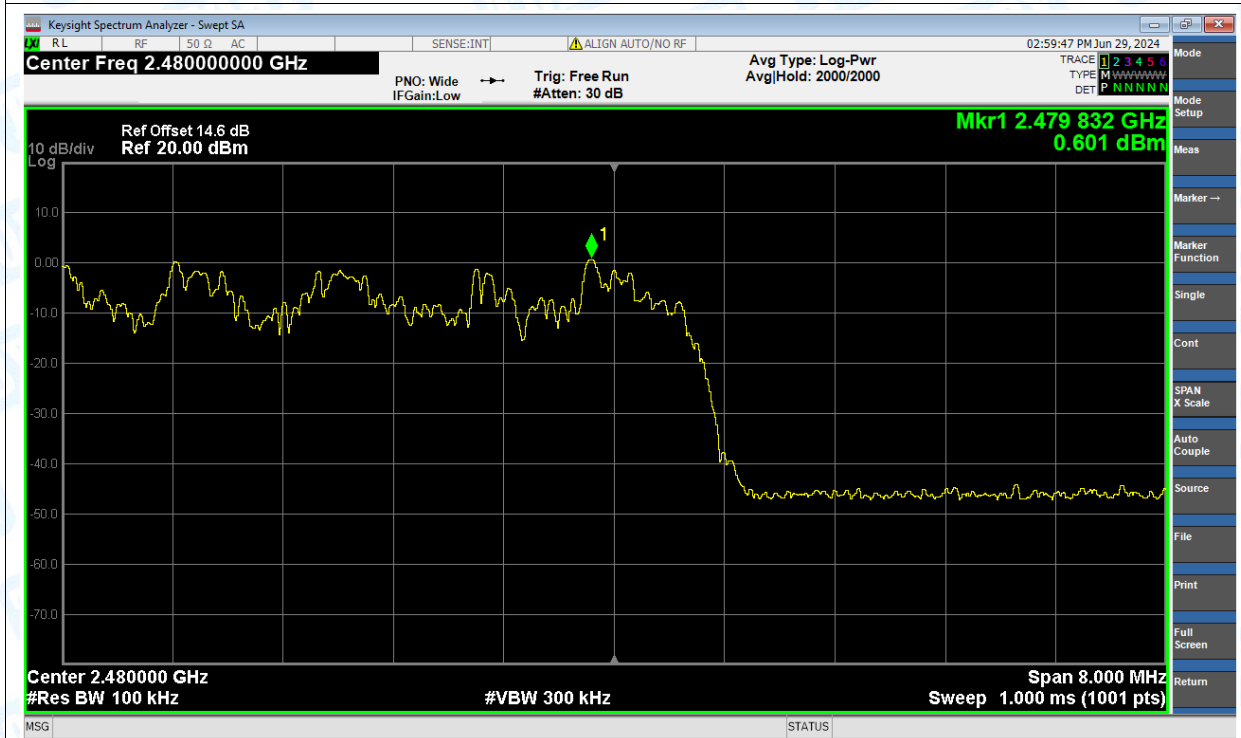


Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission

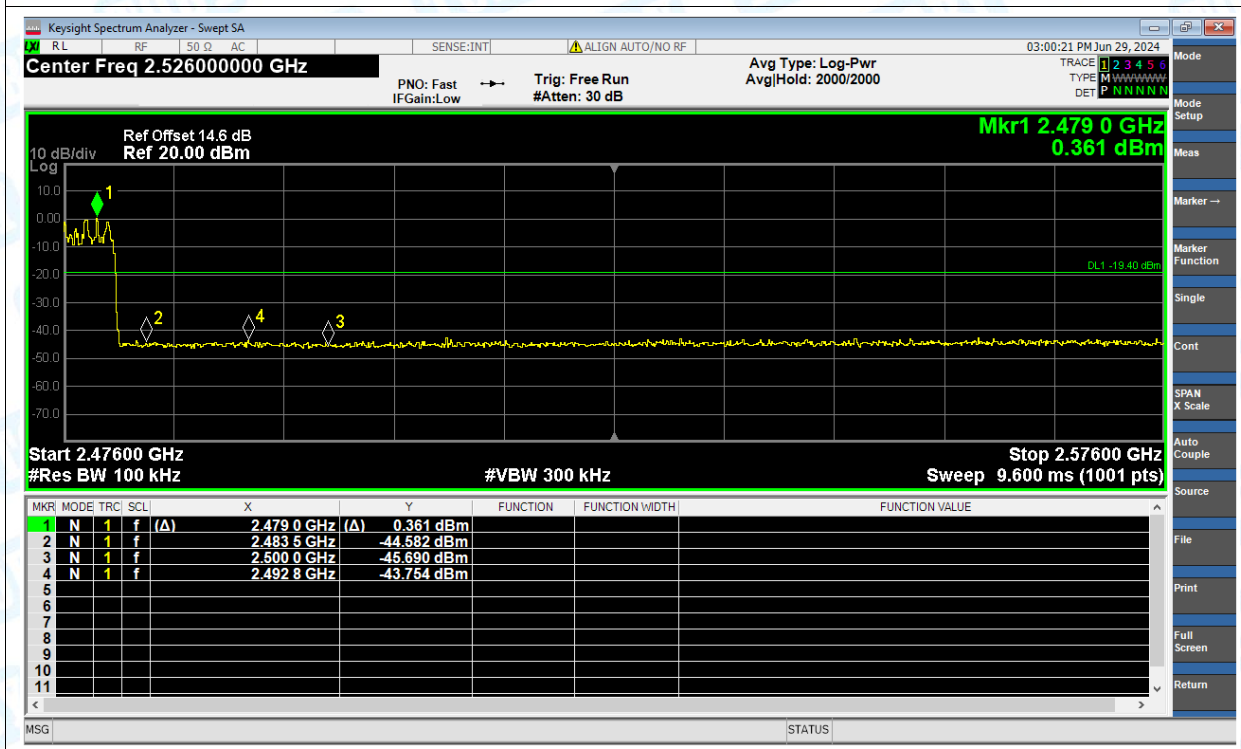




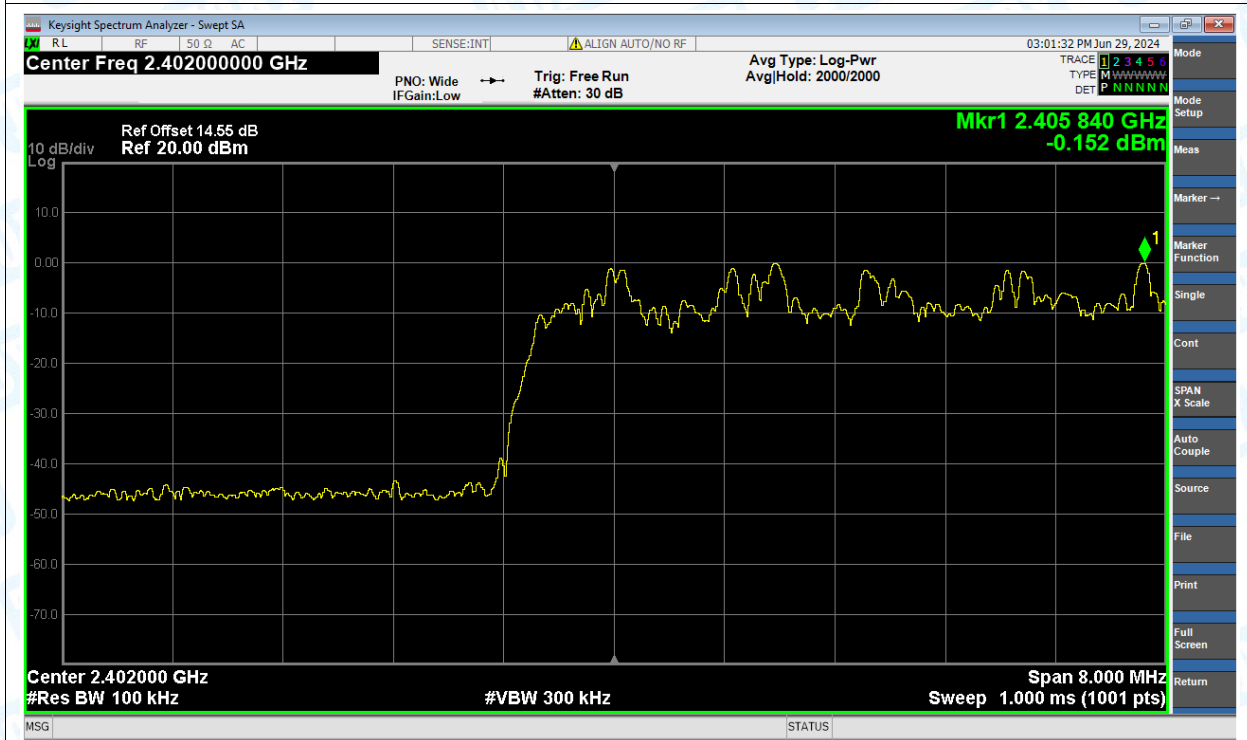
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



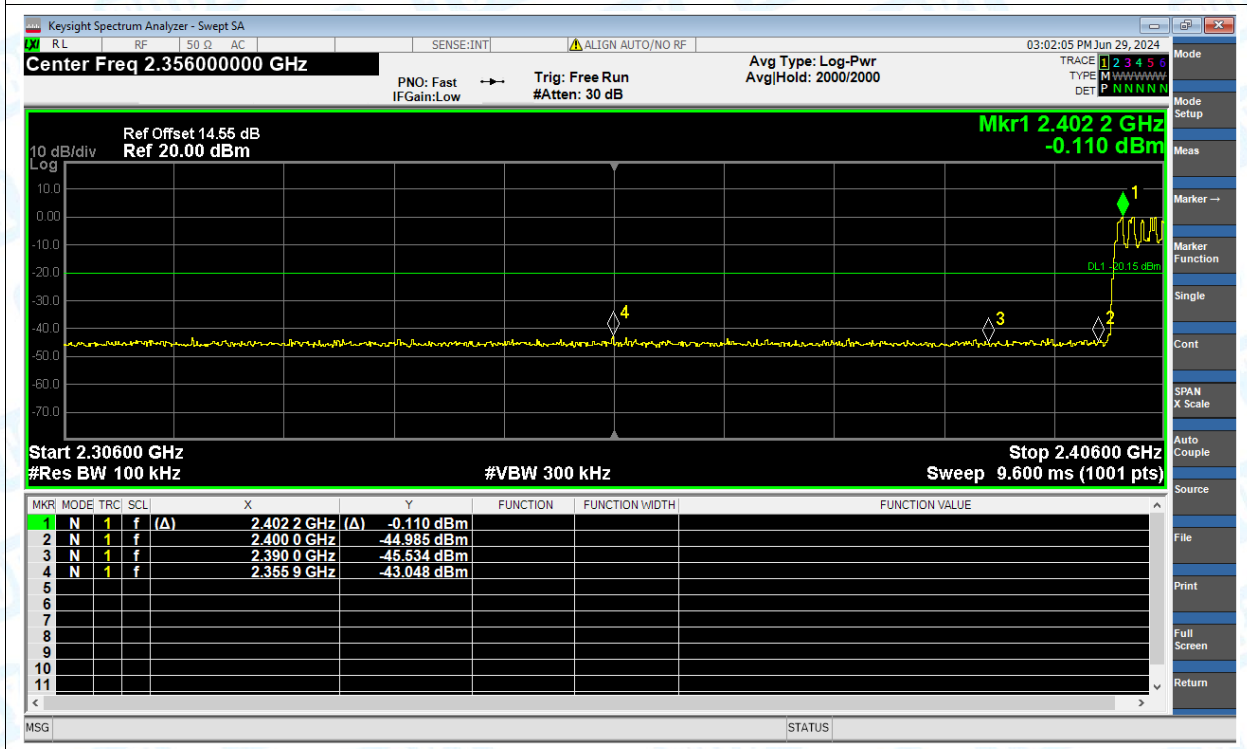
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



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

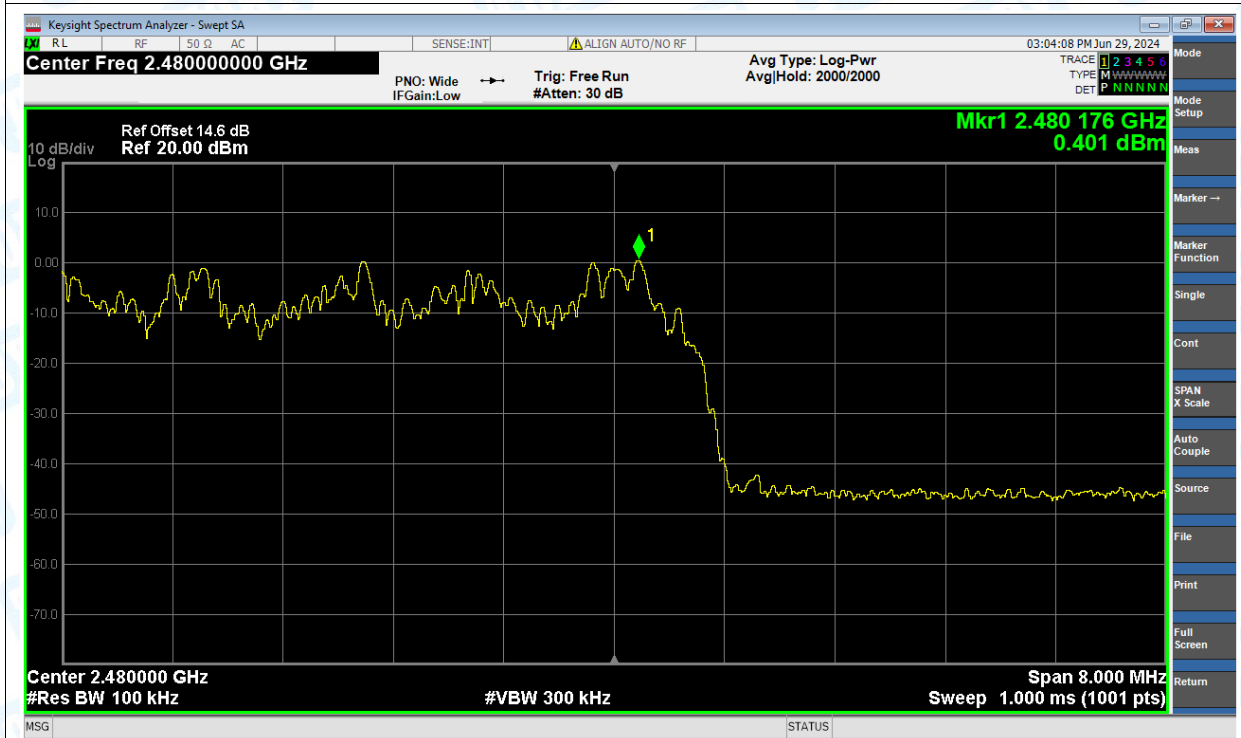


Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission

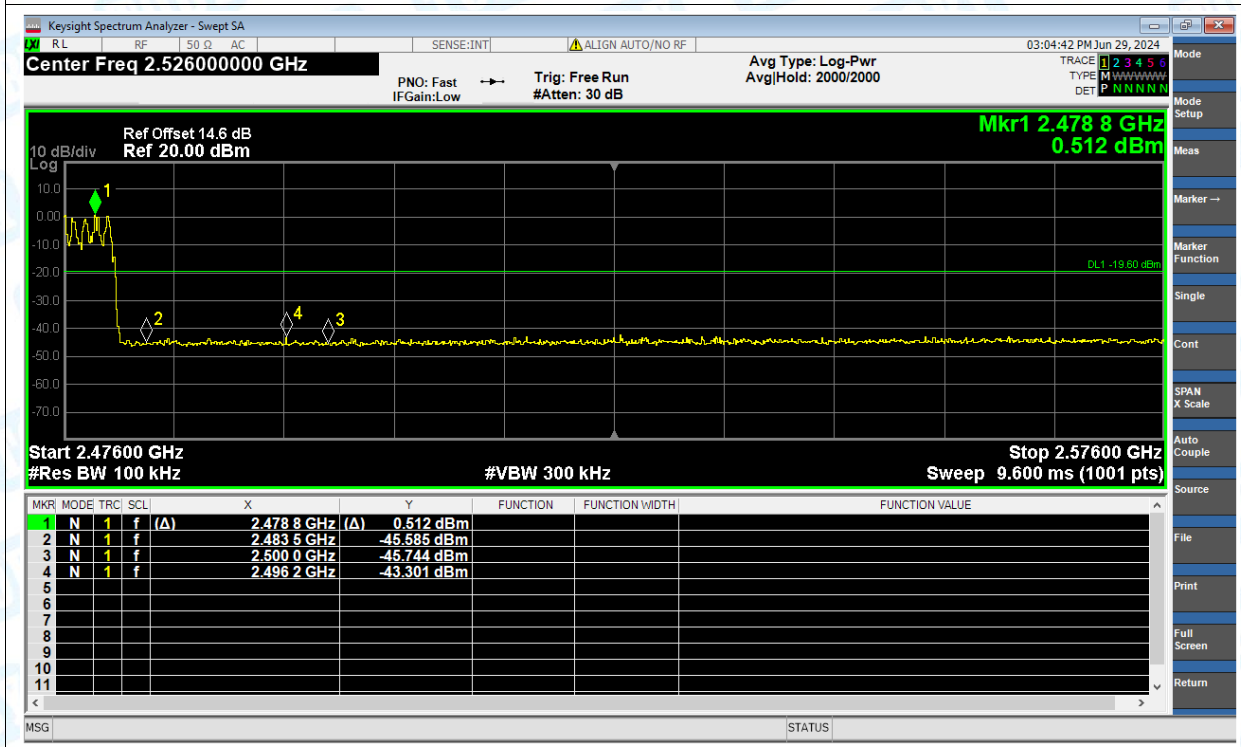




Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



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



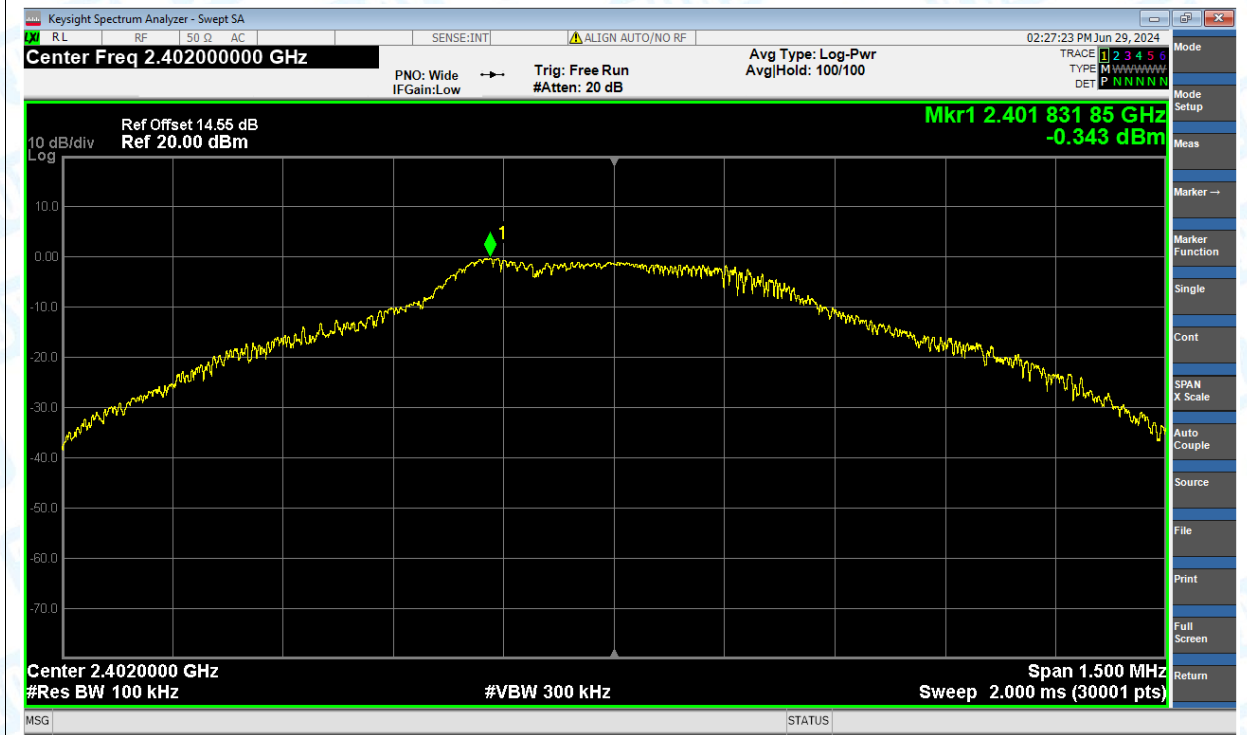
## 7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-39.67	-20	Pass
NVNT	1-DH1	2441	Ant1	-40.05	-20	Pass
NVNT	1-DH1	2480	Ant1	-40.09	-20	Pass
NVNT	2-DH1	2402	Ant1	-38.99	-20	Pass
NVNT	2-DH1	2441	Ant1	-38.66	-20	Pass
NVNT	2-DH1	2480	Ant1	-40.83	-20	Pass
NVNT	3-DH1	2402	Ant1	-39.15	-20	Pass
NVNT	3-DH1	2441	Ant1	-39.14	-20	Pass
NVNT	3-DH1	2480	Ant1	-37.87	-20	Pass

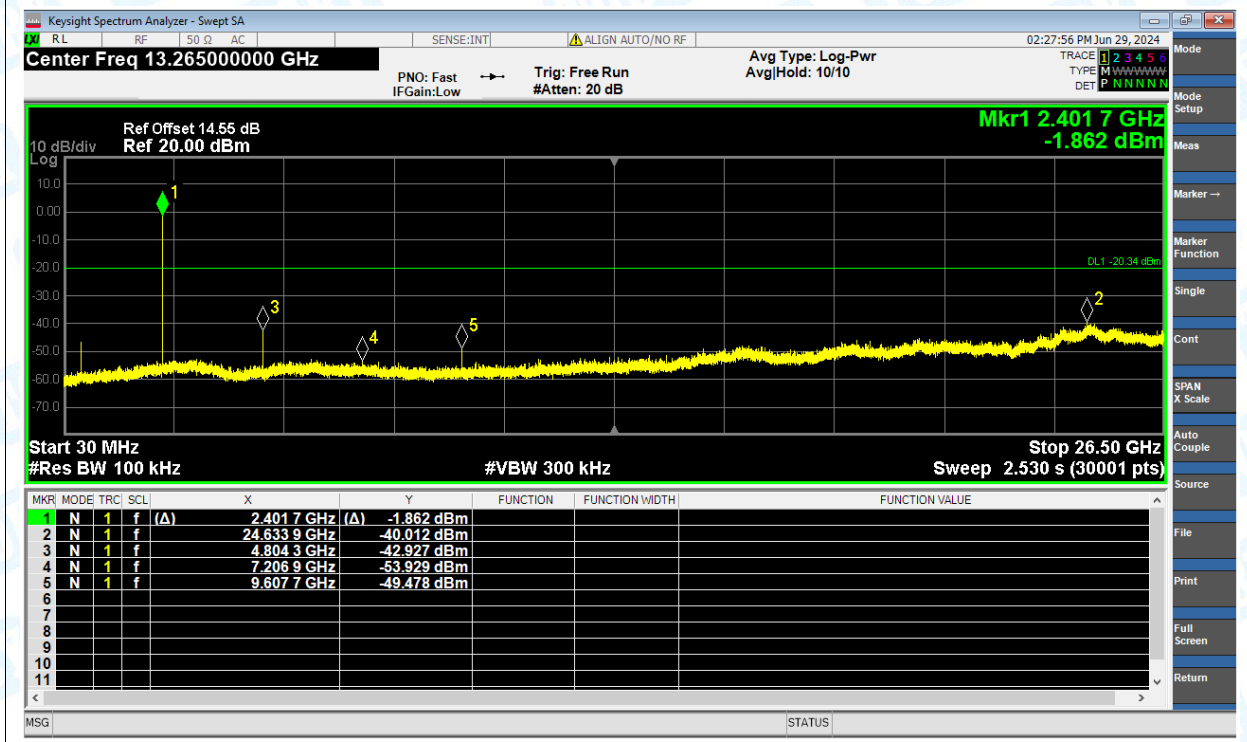


Test Graphs

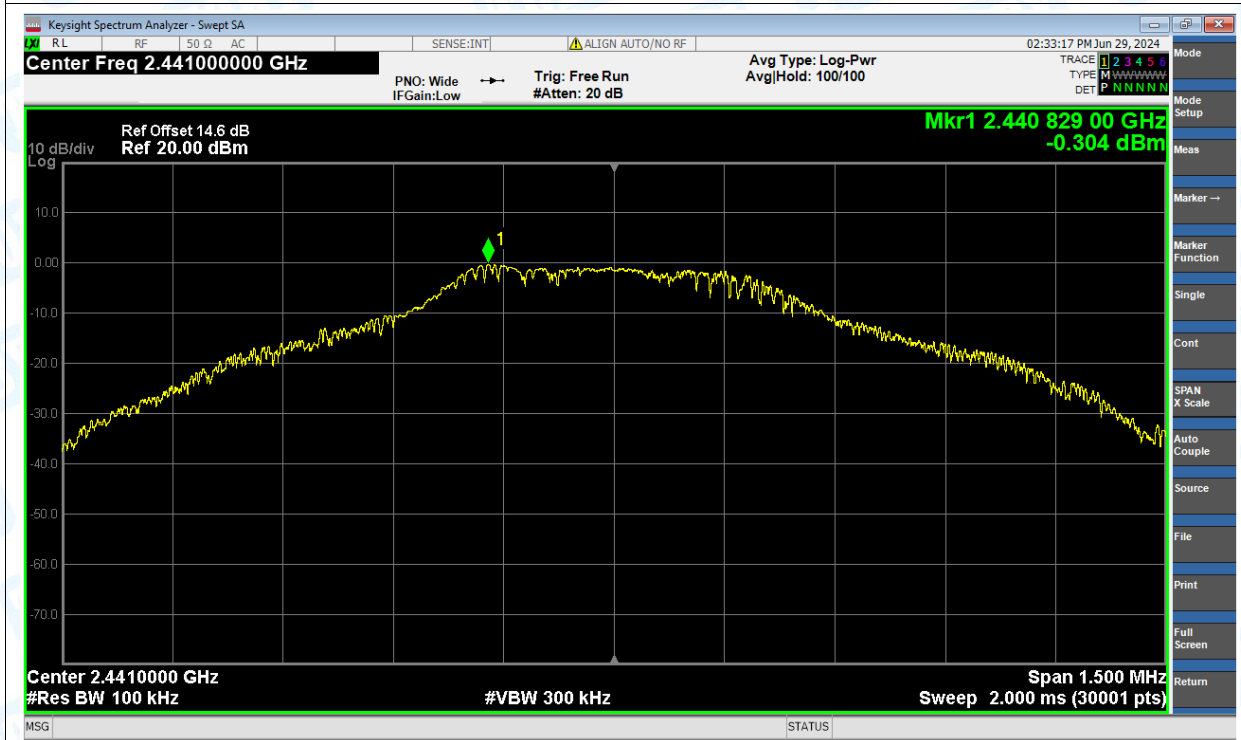
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



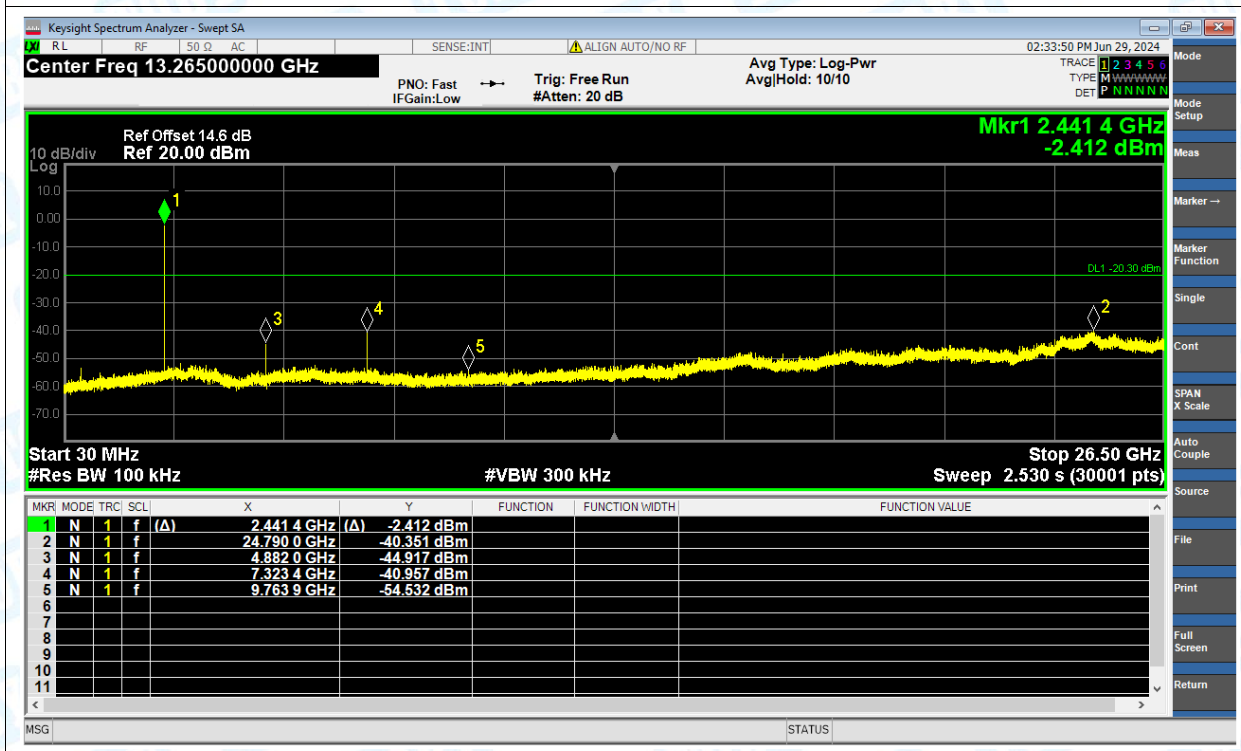
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref

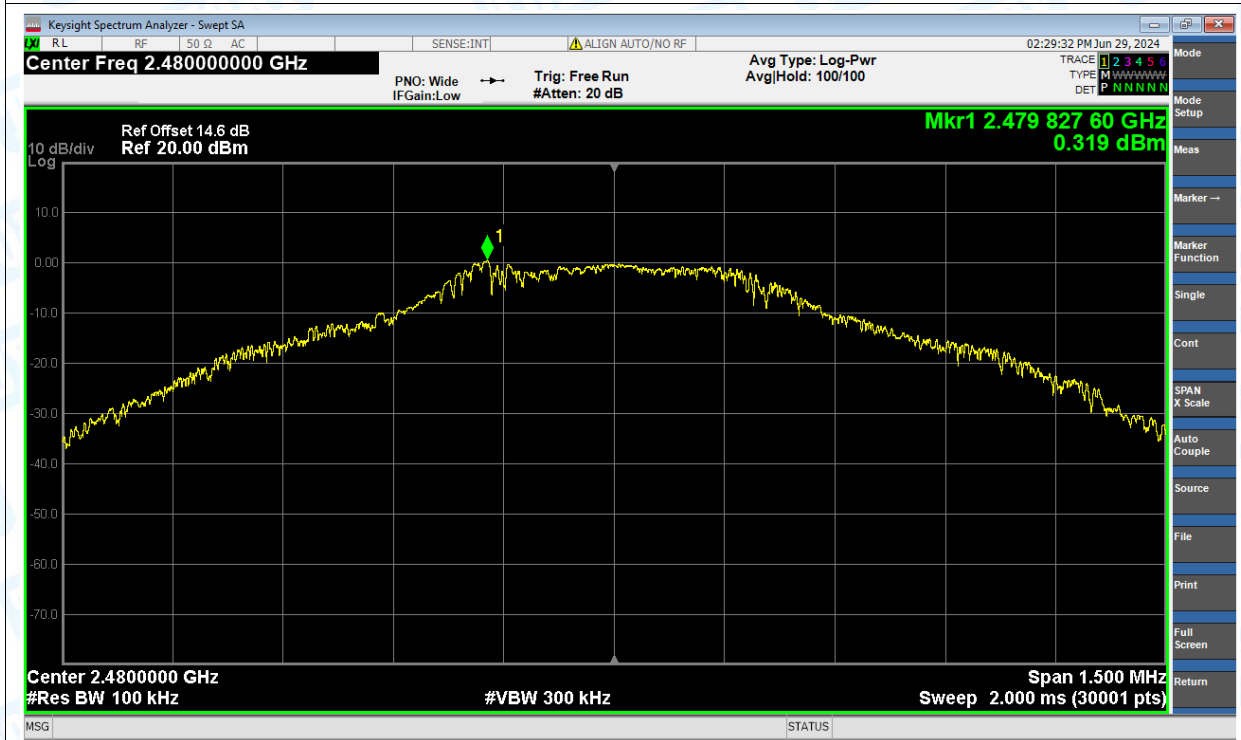


Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission





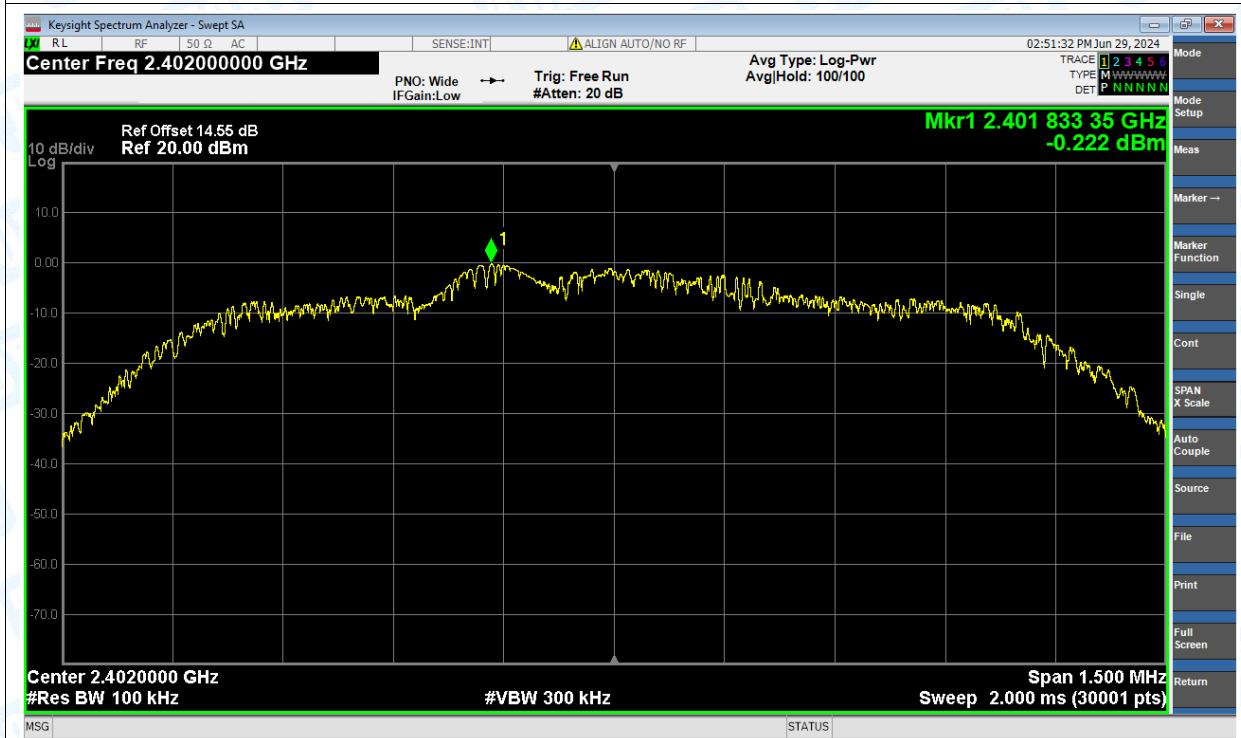
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



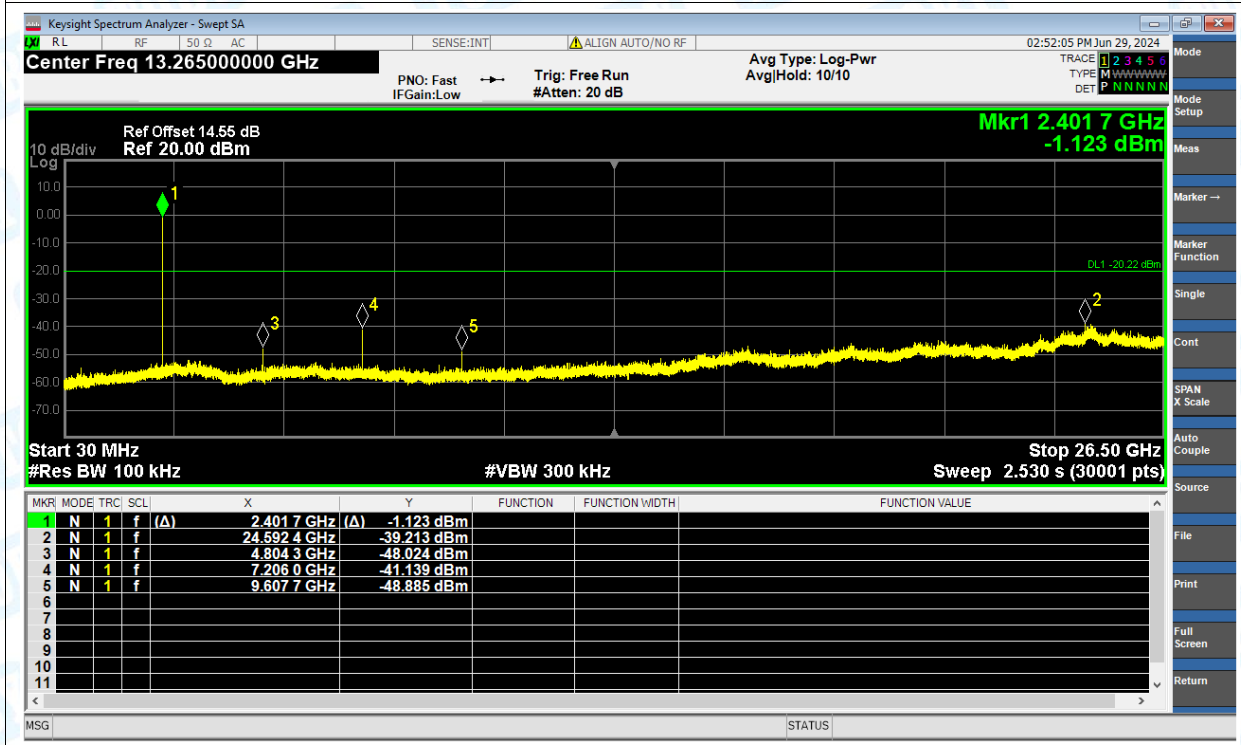
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref

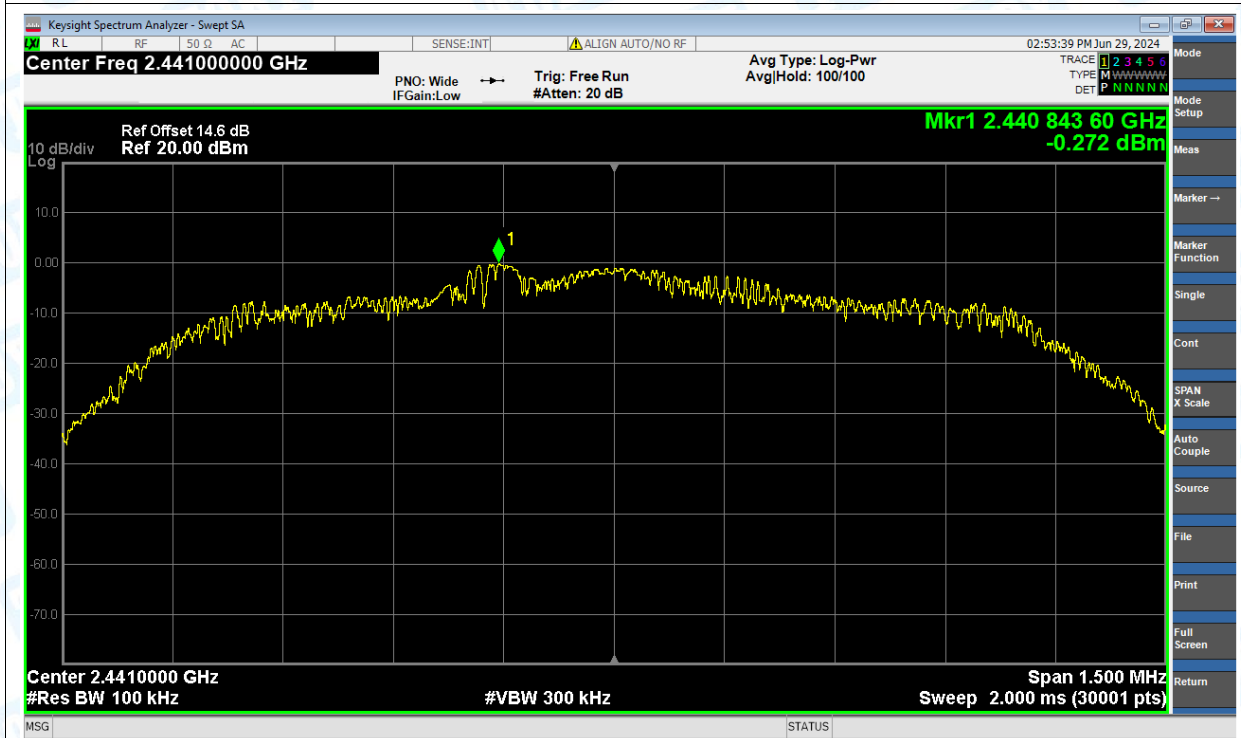


Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission

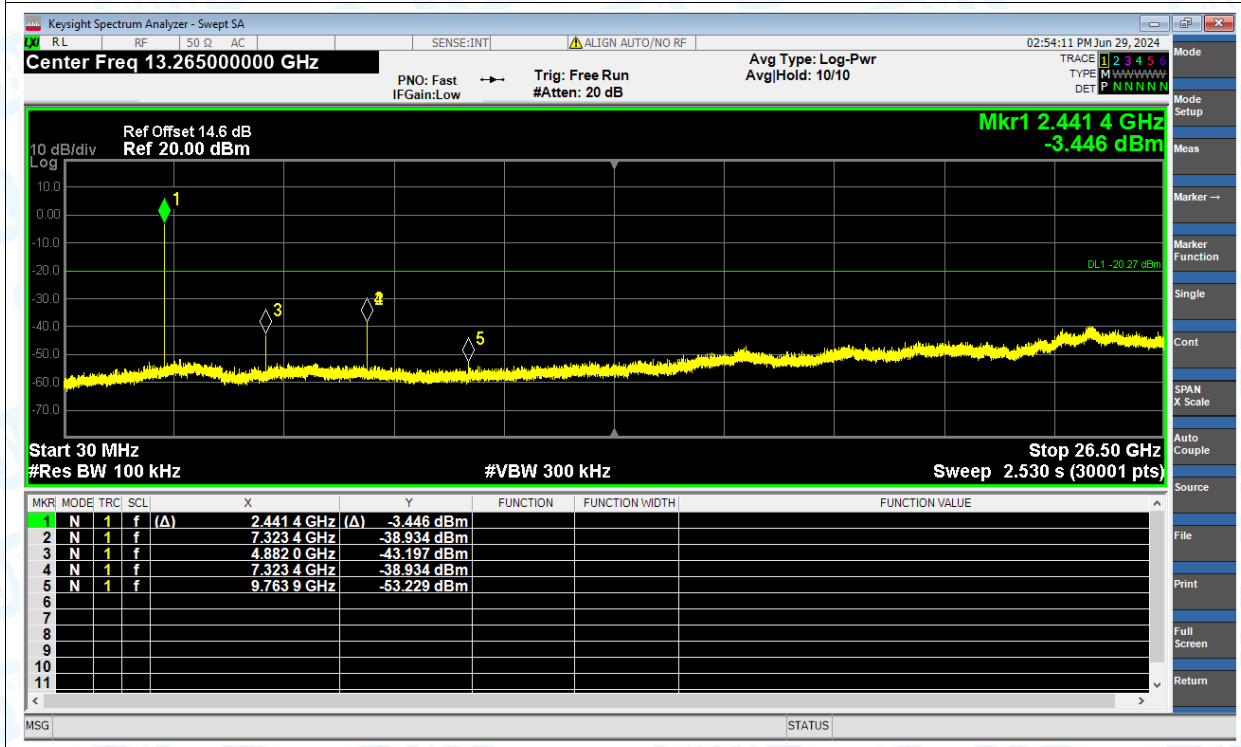




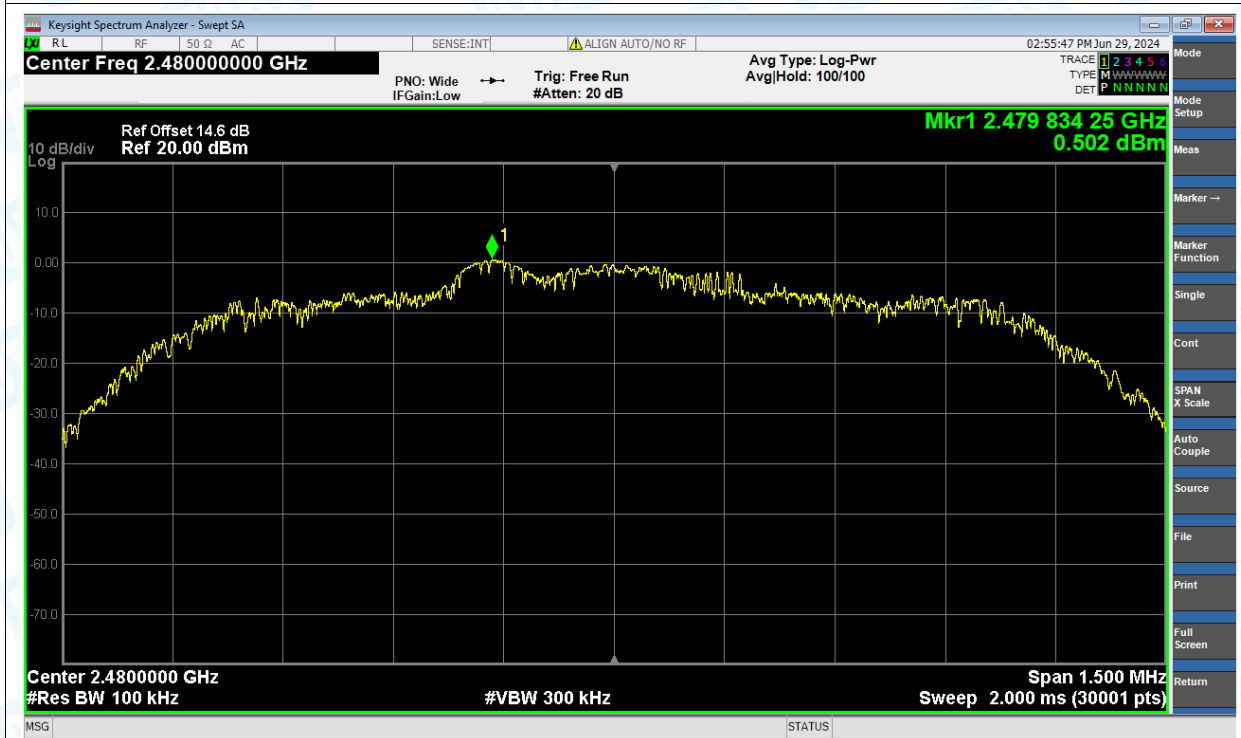
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



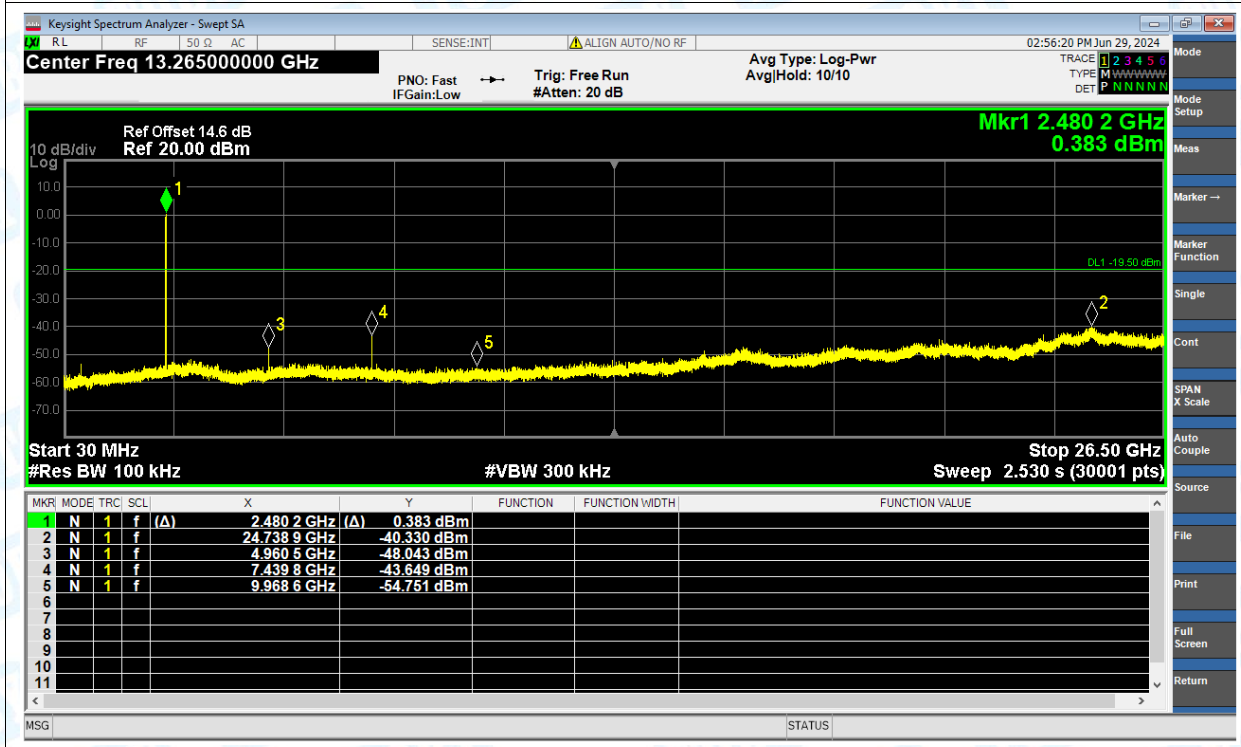
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref

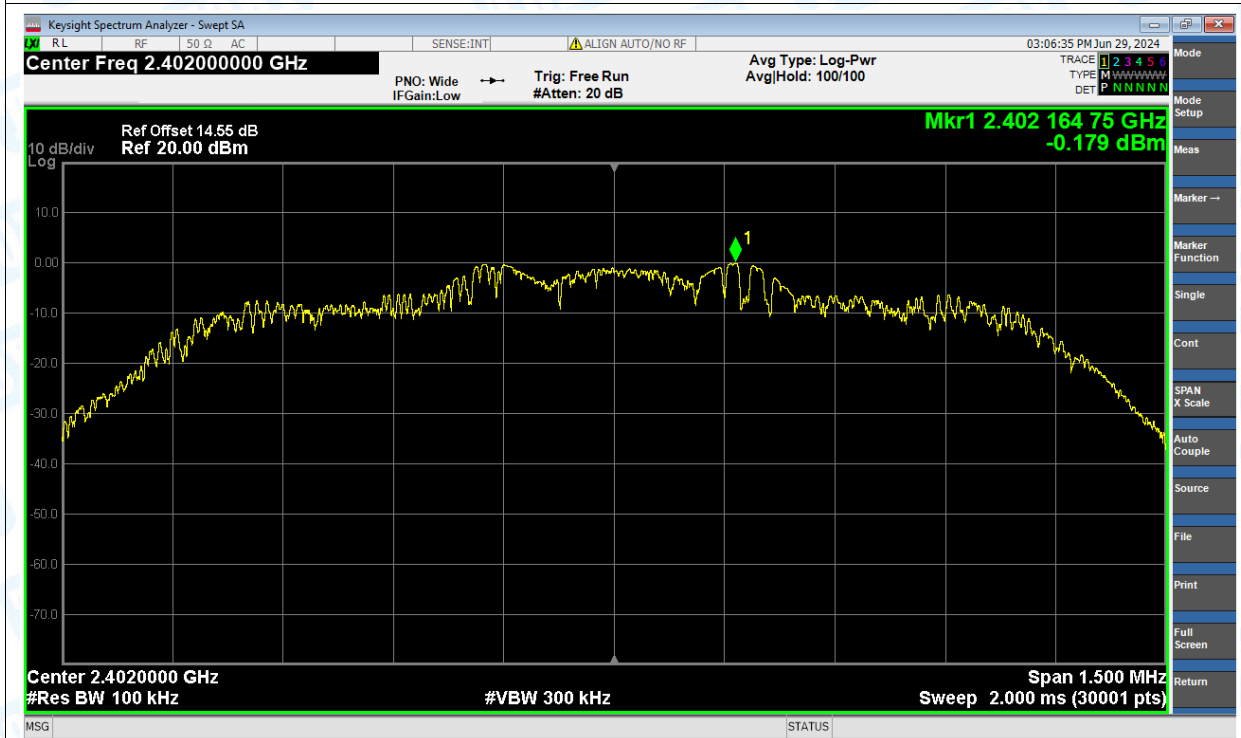


Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission





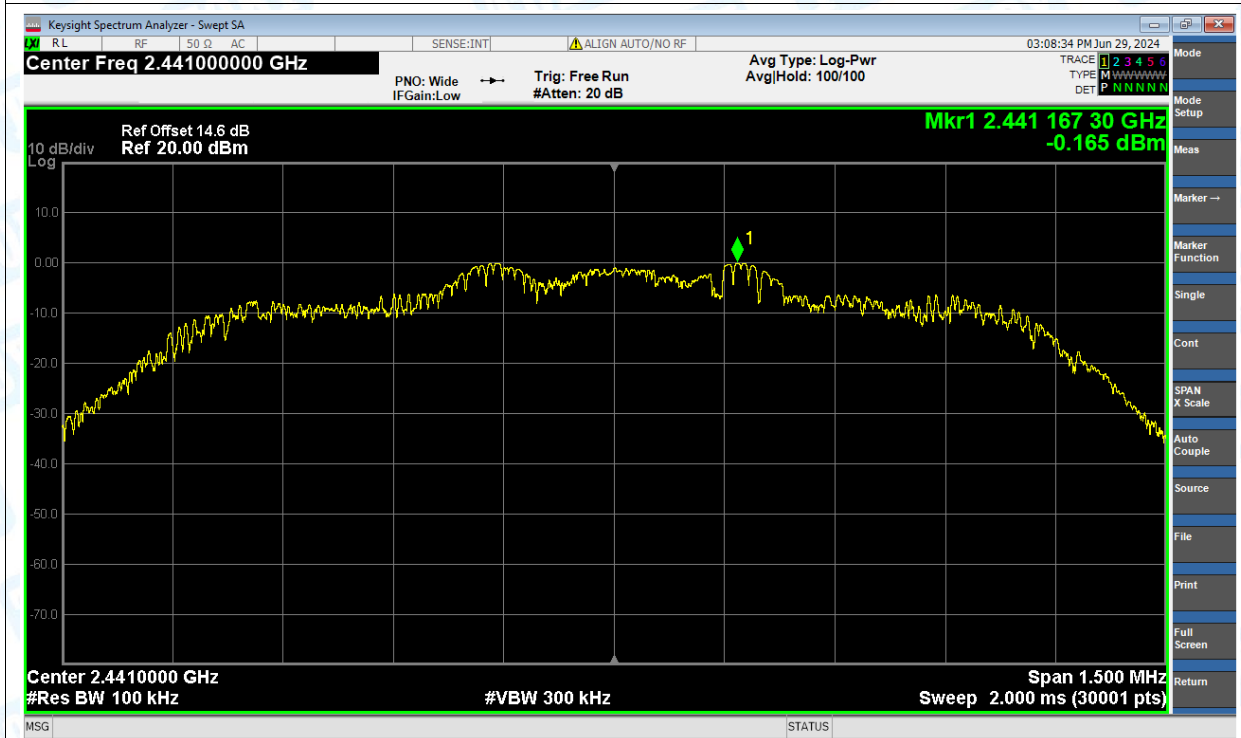
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



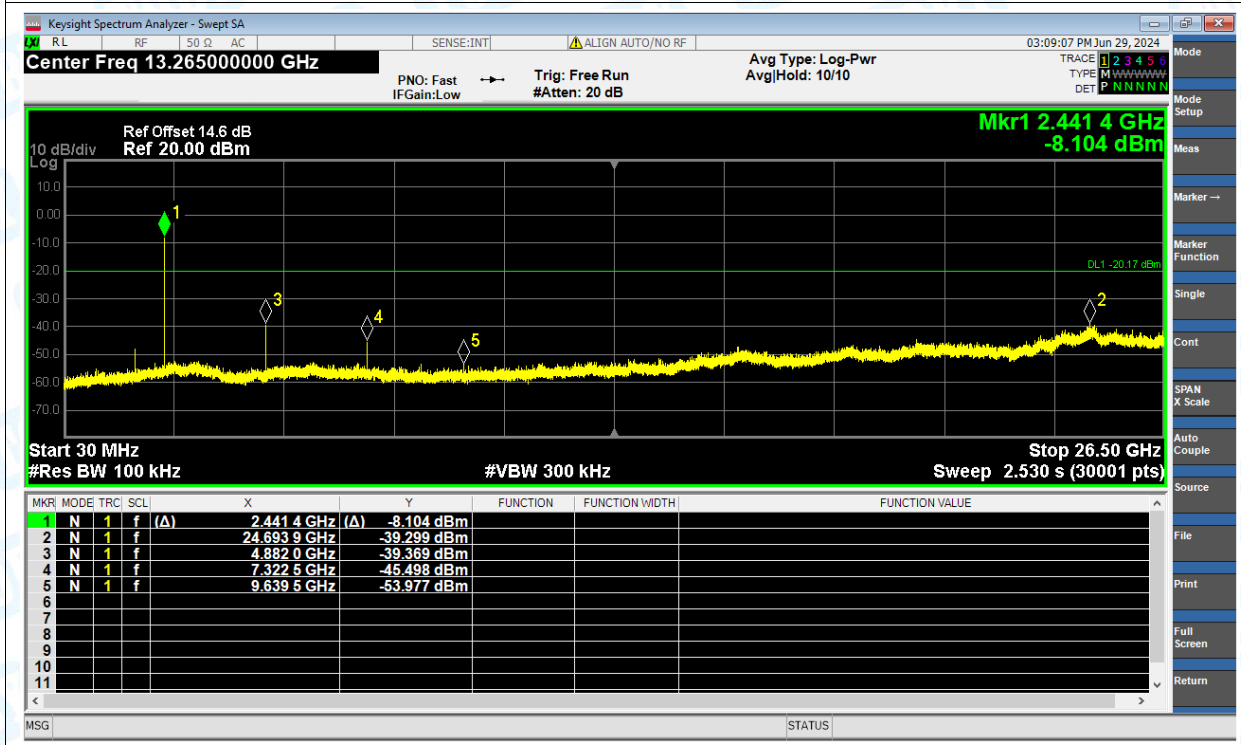
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref

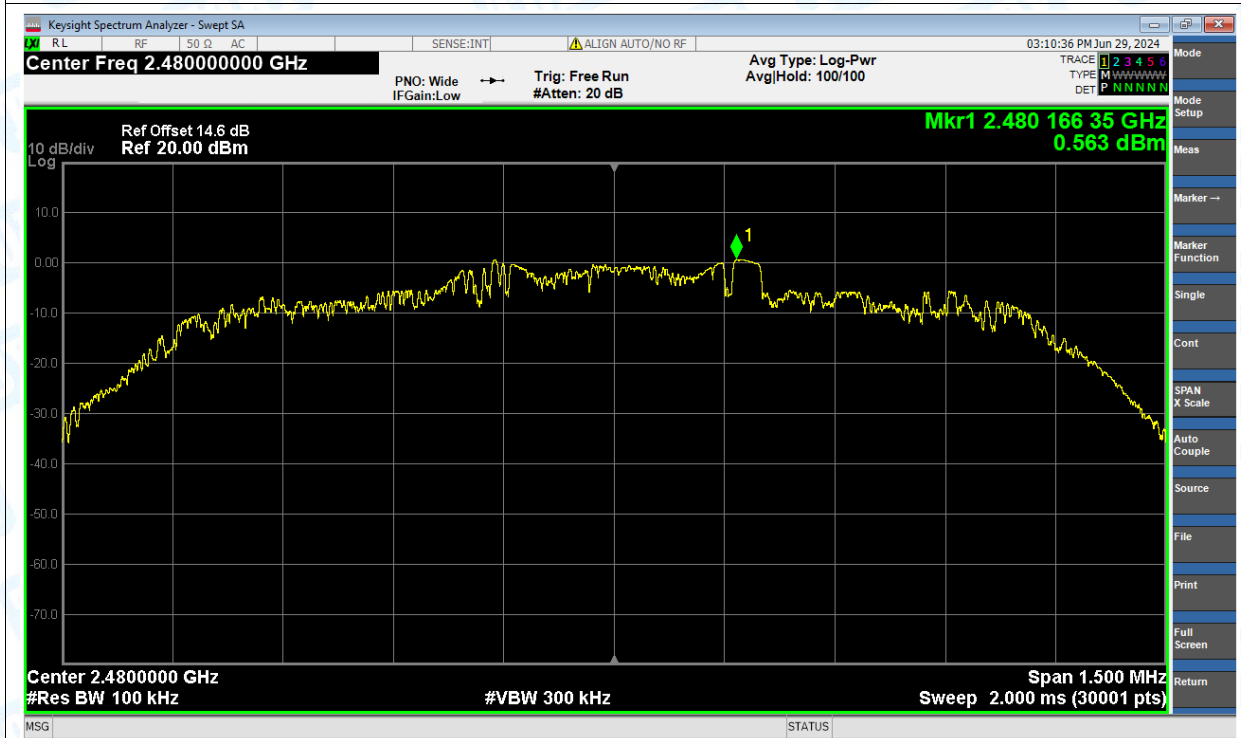


Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission

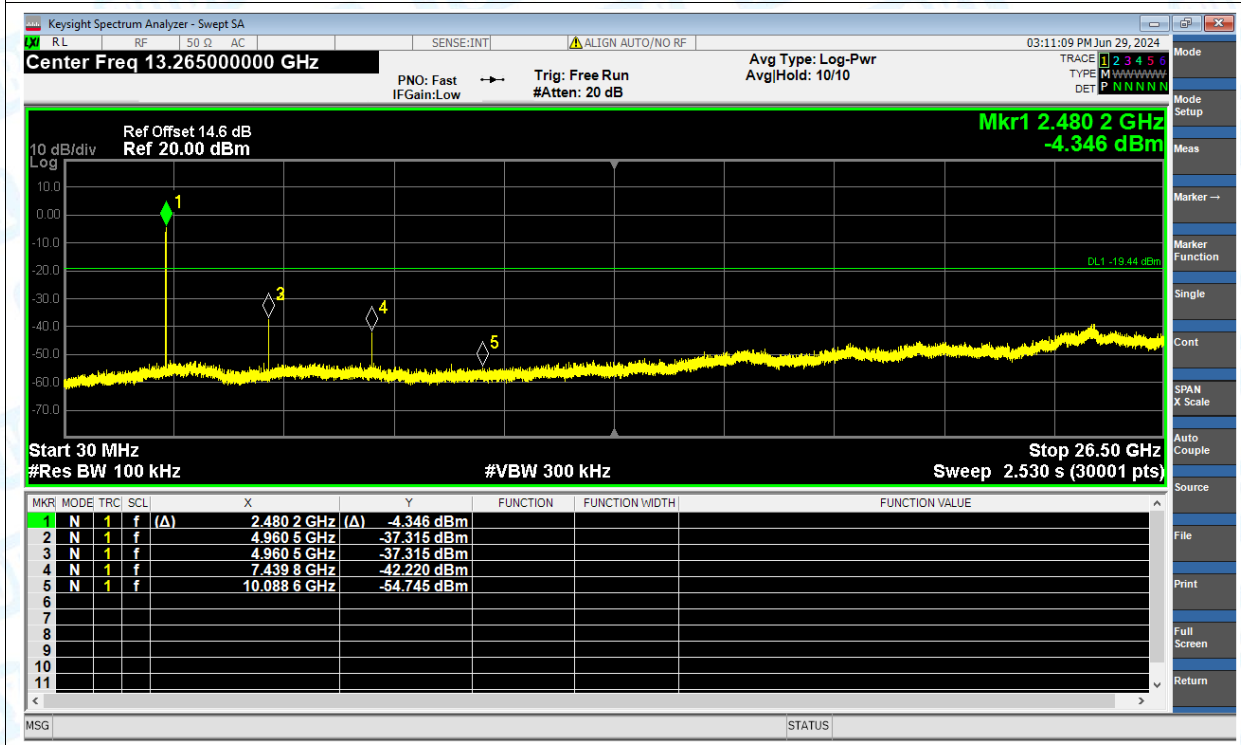




Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



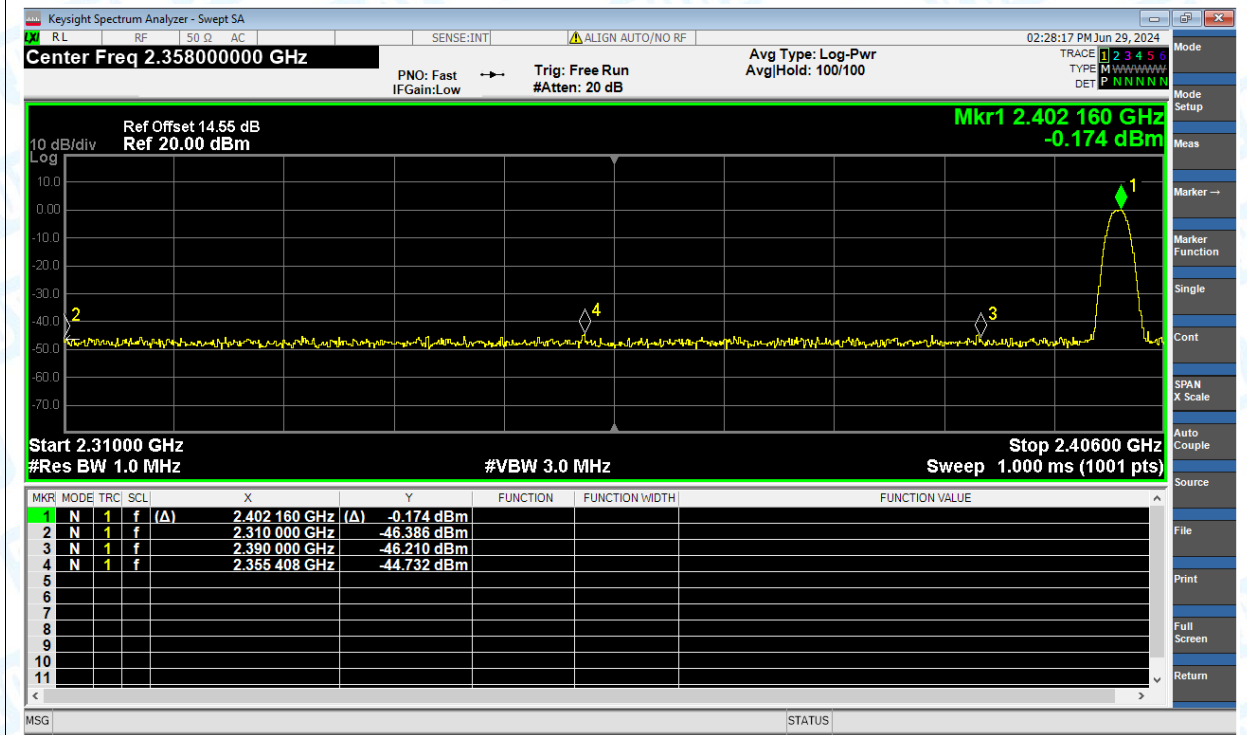
## 8.Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-46.39	2	-	50.87	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-55.69	2	5.29	46.86	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2355.408	-44.73	2	-	52.53	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2387.184	-54.75	2	5.29	47.8	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-46.21	2	-	51.05	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-56.15	2	5.29	46.4	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-47.45	2	-	49.81	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-55.45	2	5.17	46.98	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2489.56	-44.21	2	-	53.05	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2487.16	-54.59	2	5.17	47.84	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-47.43	2	-	49.83	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-55.37	2	5.17	47.06	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-48.53	2	-	48.73	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-55.45	2	5.17	46.98	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2322.96	-44.09	2	-	53.17	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2360.976	-54.83	2	5.17	47.6	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-47.17	2	-	50.09	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-55.29	2	5.17	47.14	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-46.96	2	-	50.3	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-55.48	2	5.06	46.84	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2499.016	-44.17	2	-	53.09	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2495.944	-54.45	2	5.06	47.87	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-47.79	2	-	49.47	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-54.98	2	5.06	47.34	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-47.65	2	-	49.61	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-55.5	2	5.17	46.93	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2379.504	-44.21	2	-	53.05	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2386.896	-54.74	2	5.17	47.69	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-46.84	2	-	50.42	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-56	2	5.17	46.43	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-46.84	2	-	50.42	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-55.3	2	5.17	47.13	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2489.296	-44.57	2	-	52.69	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2494.792	-54.52	2	5.17	47.91	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-46.73	2	-	50.53	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-55.45	2	5.17	46.98	Average	54	Pass

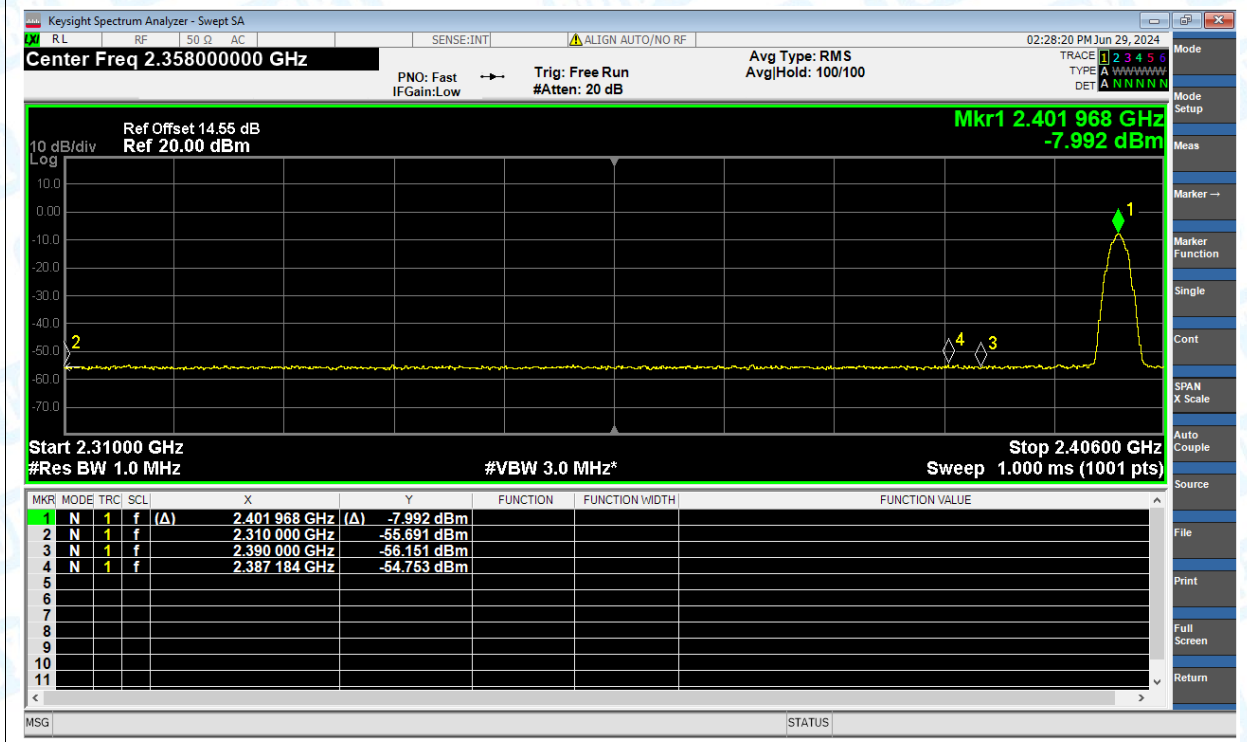


### Test Graphs

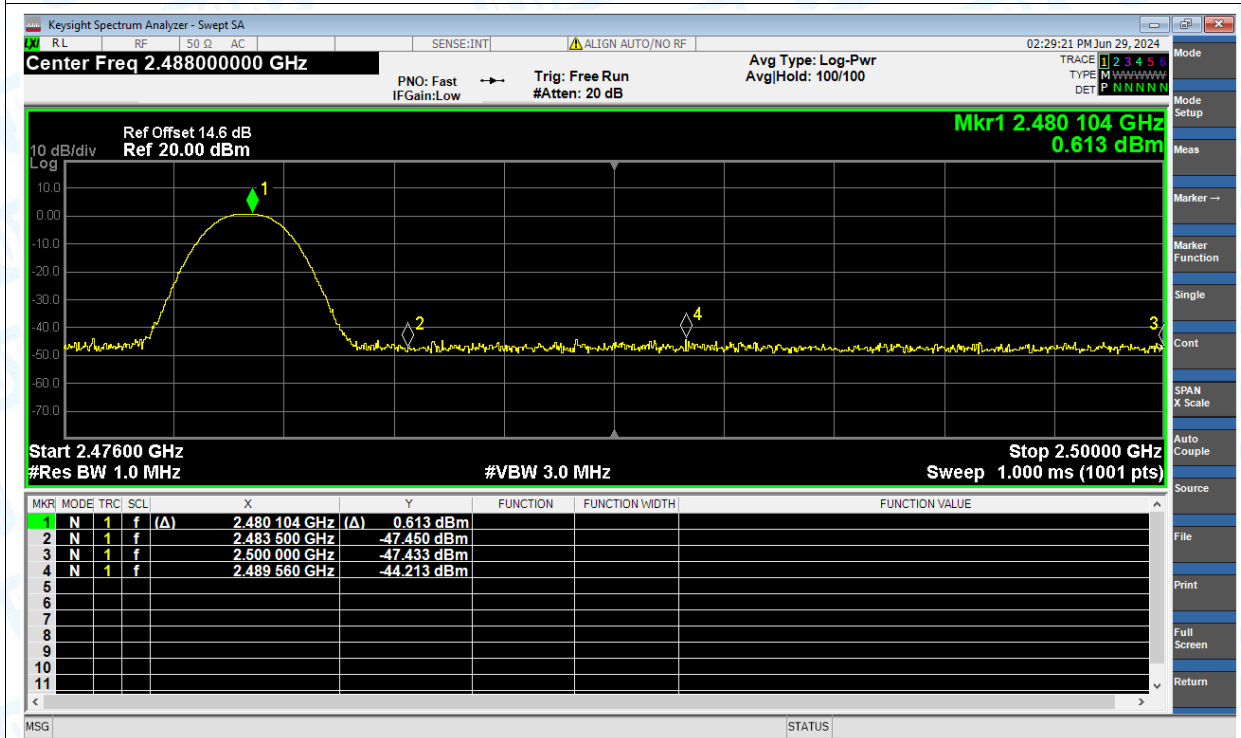
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



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



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

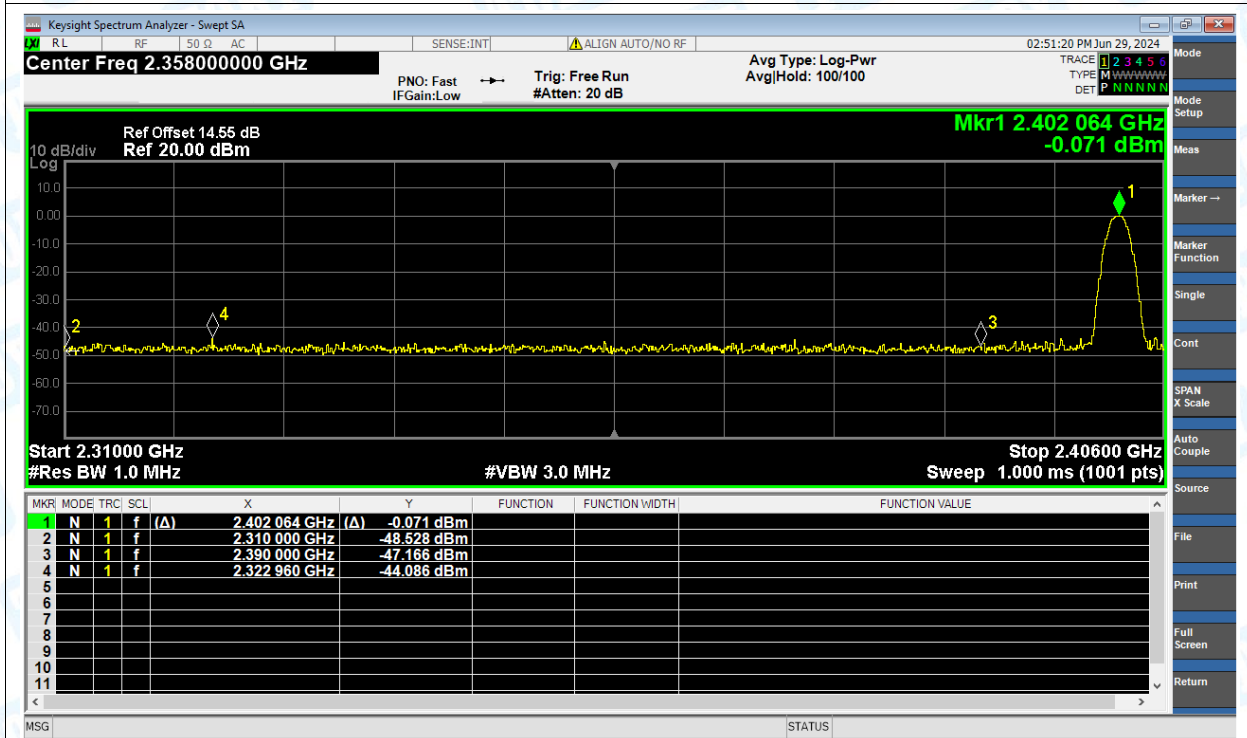


Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average

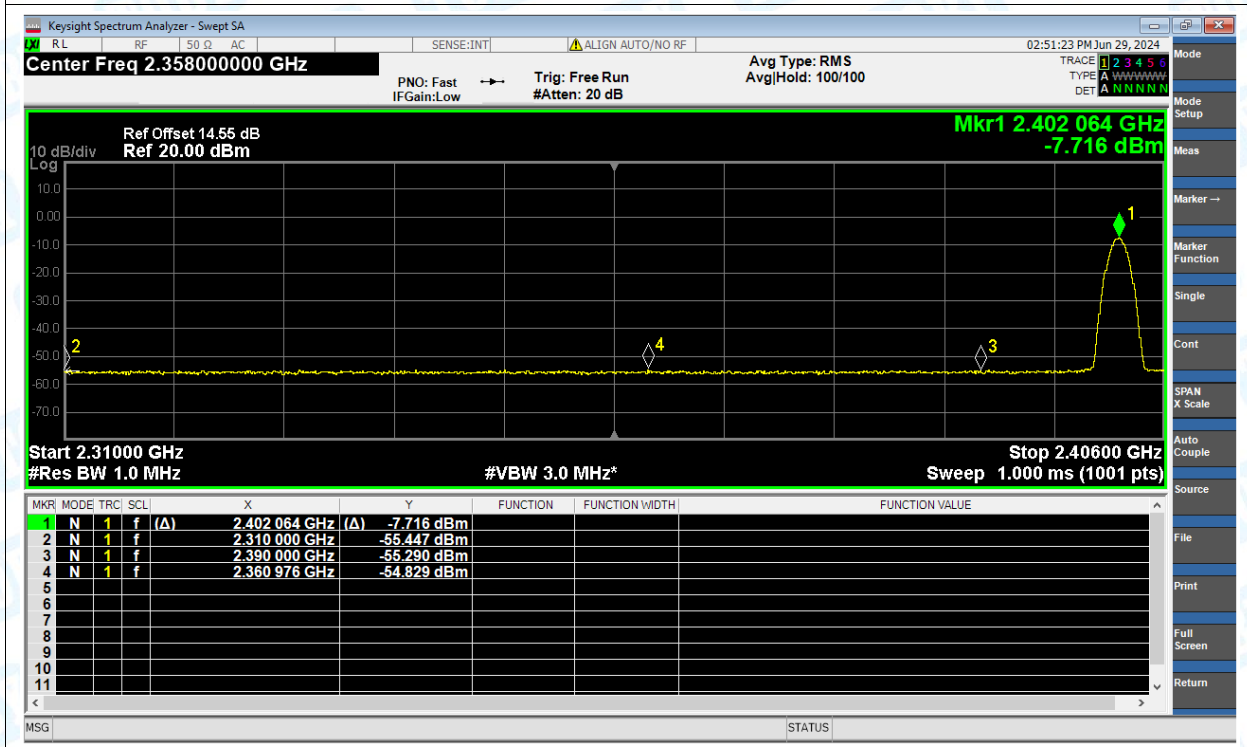




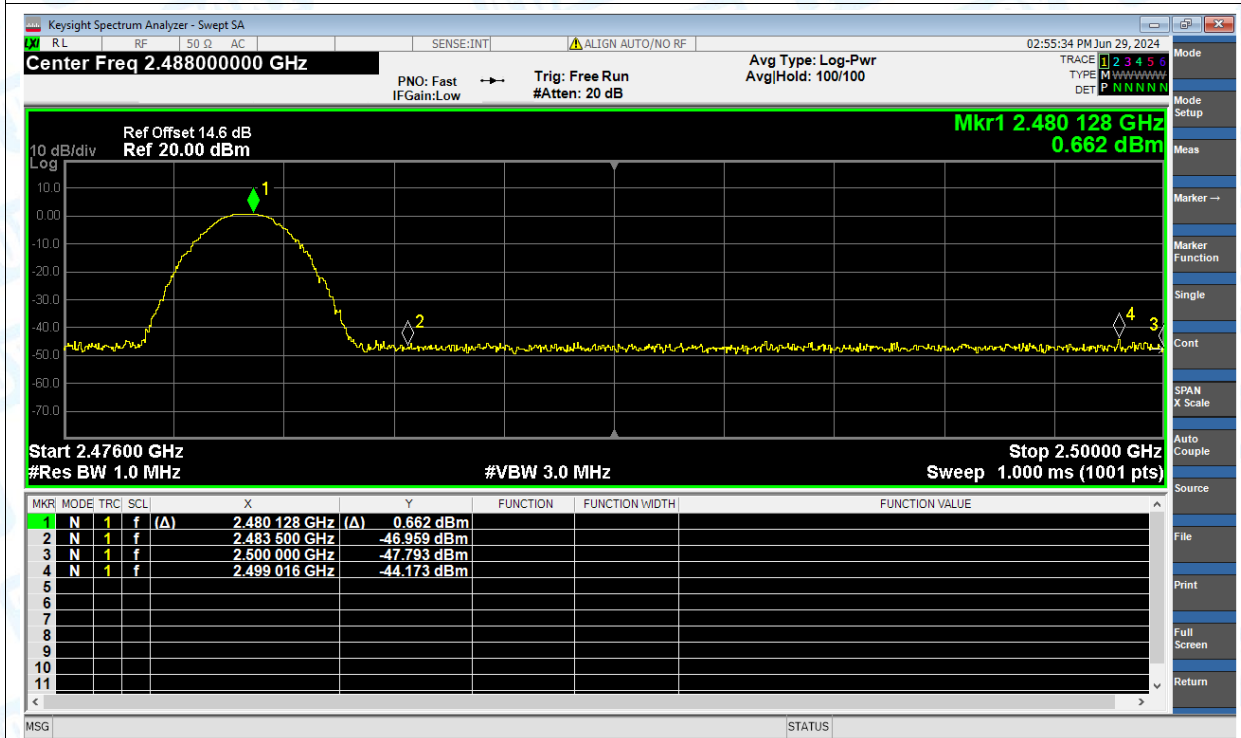
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



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



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

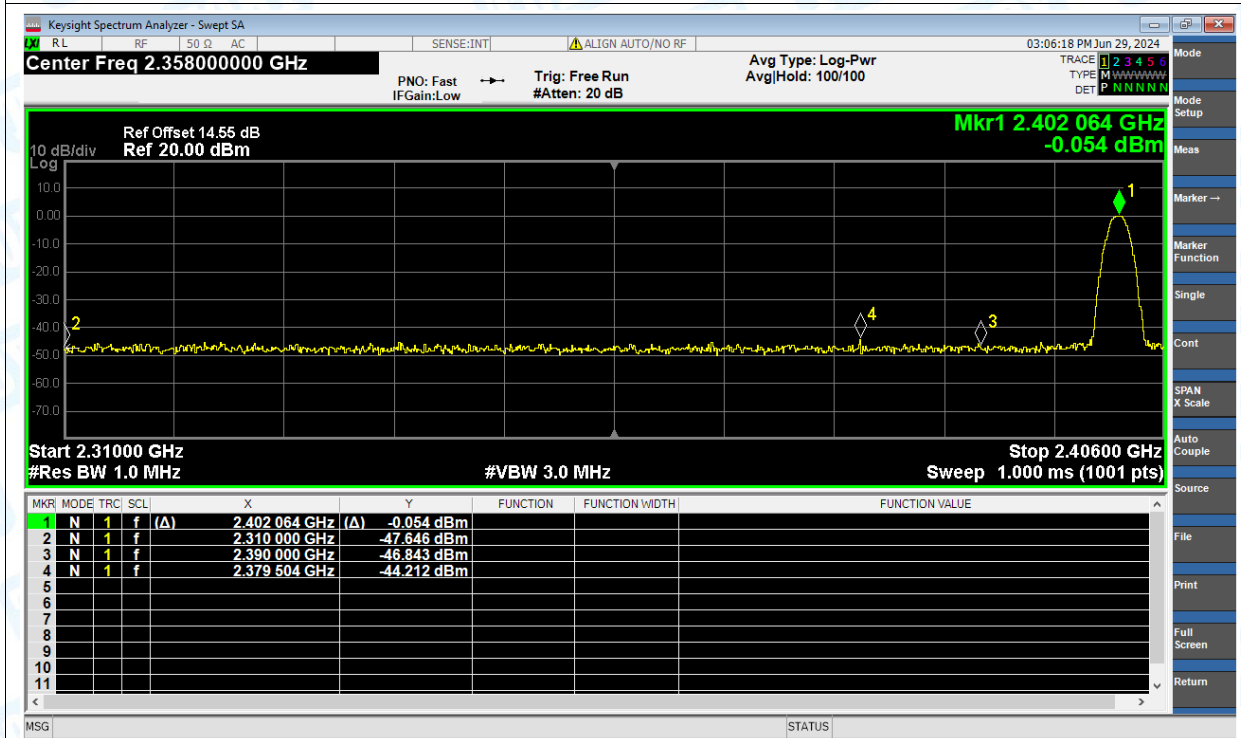


Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average

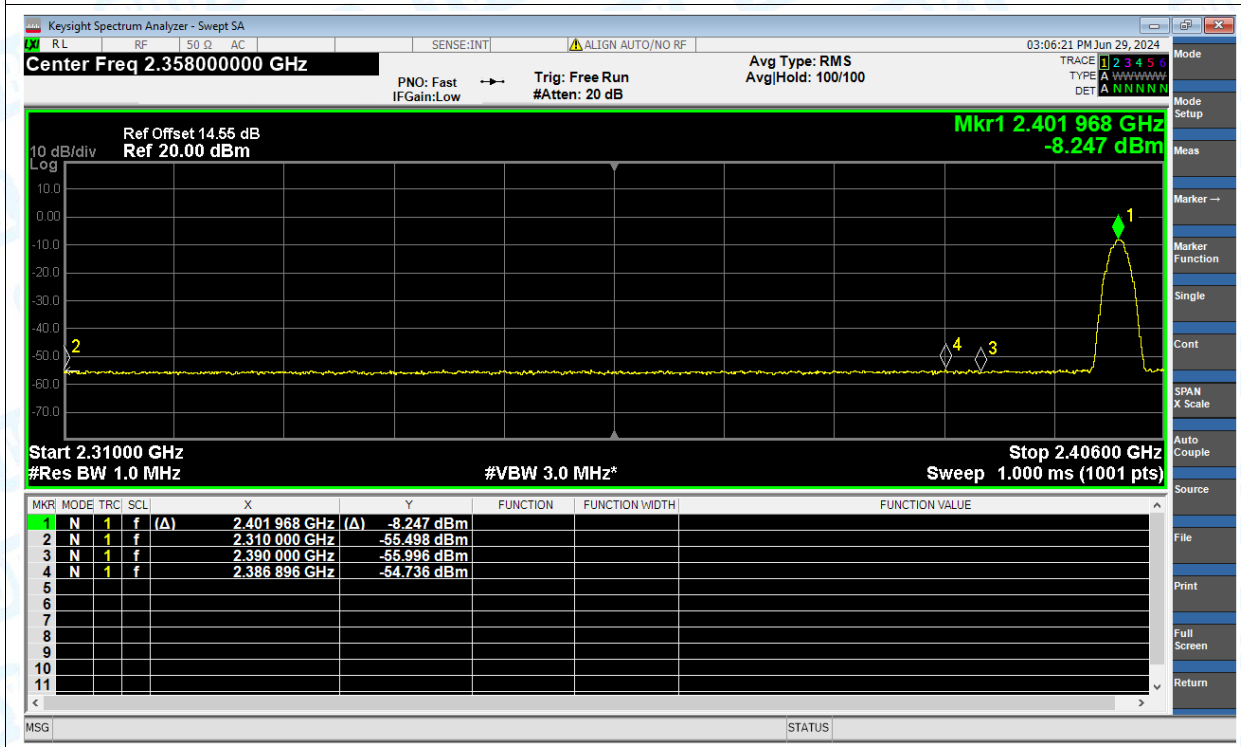




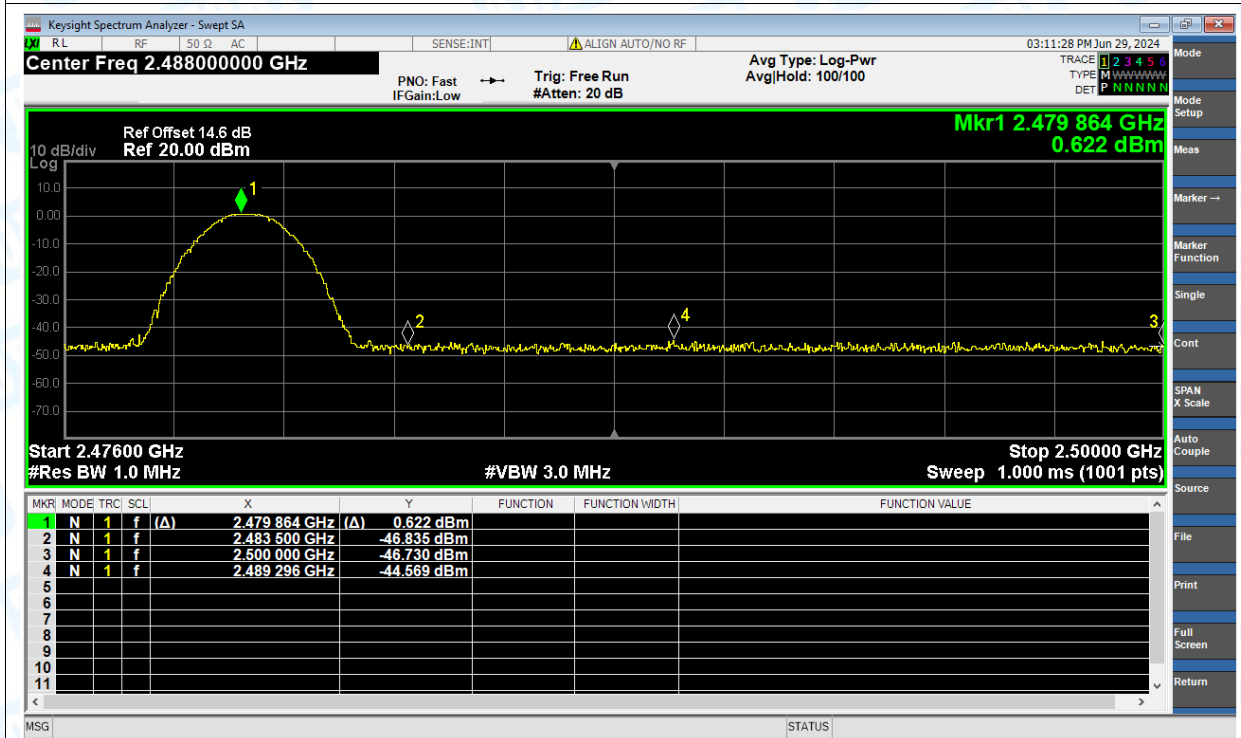
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



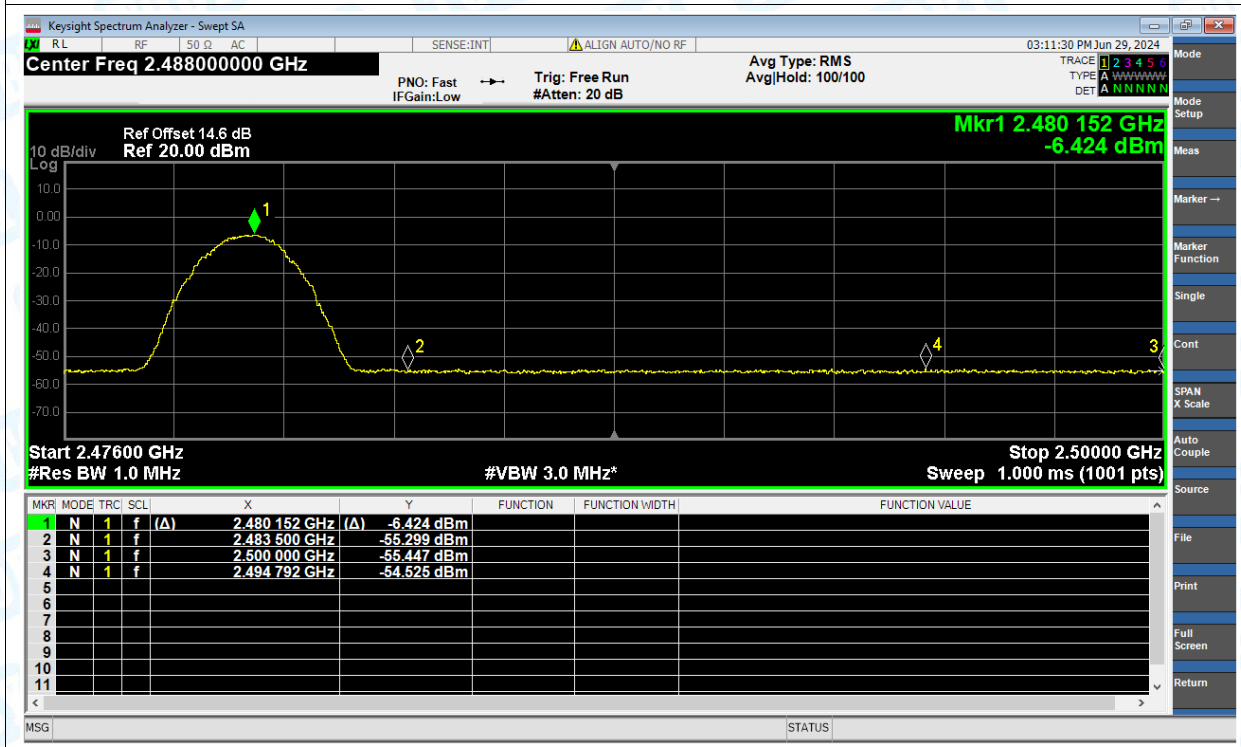
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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



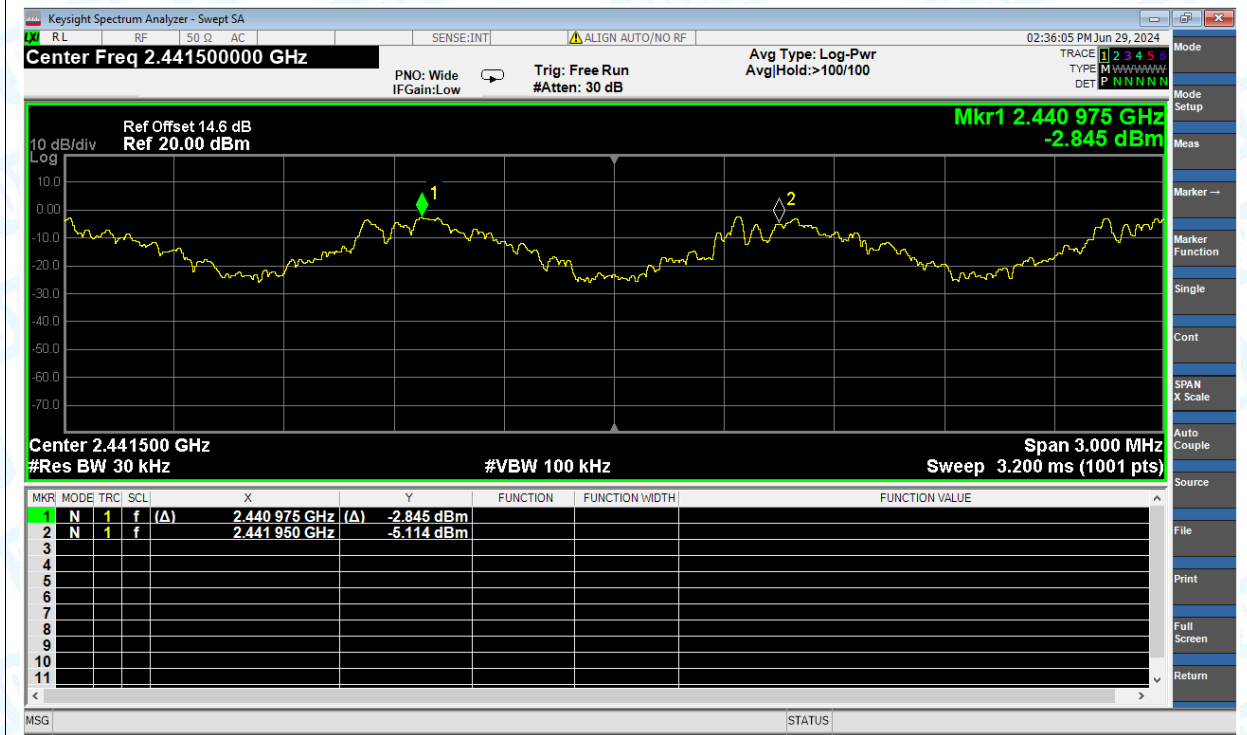


## 9. Carrier Frequencies Separation

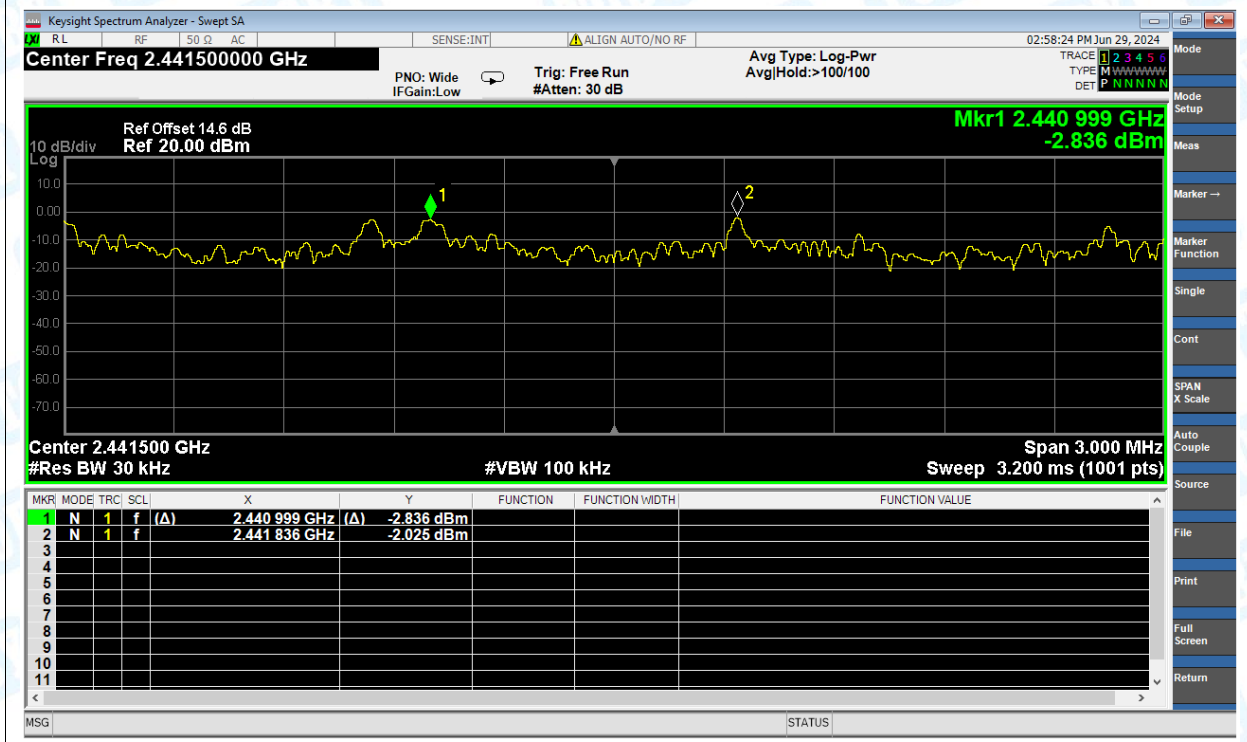
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.975	2441.95	0.975	0.58	Pass
NVNT	2-DH1	Ant1	2440.999	2441.836	0.837	0.793	Pass
NVNT	3-DH1	Ant1	2440.993	2441.989	0.996	0.025	Pass

Test Graphs

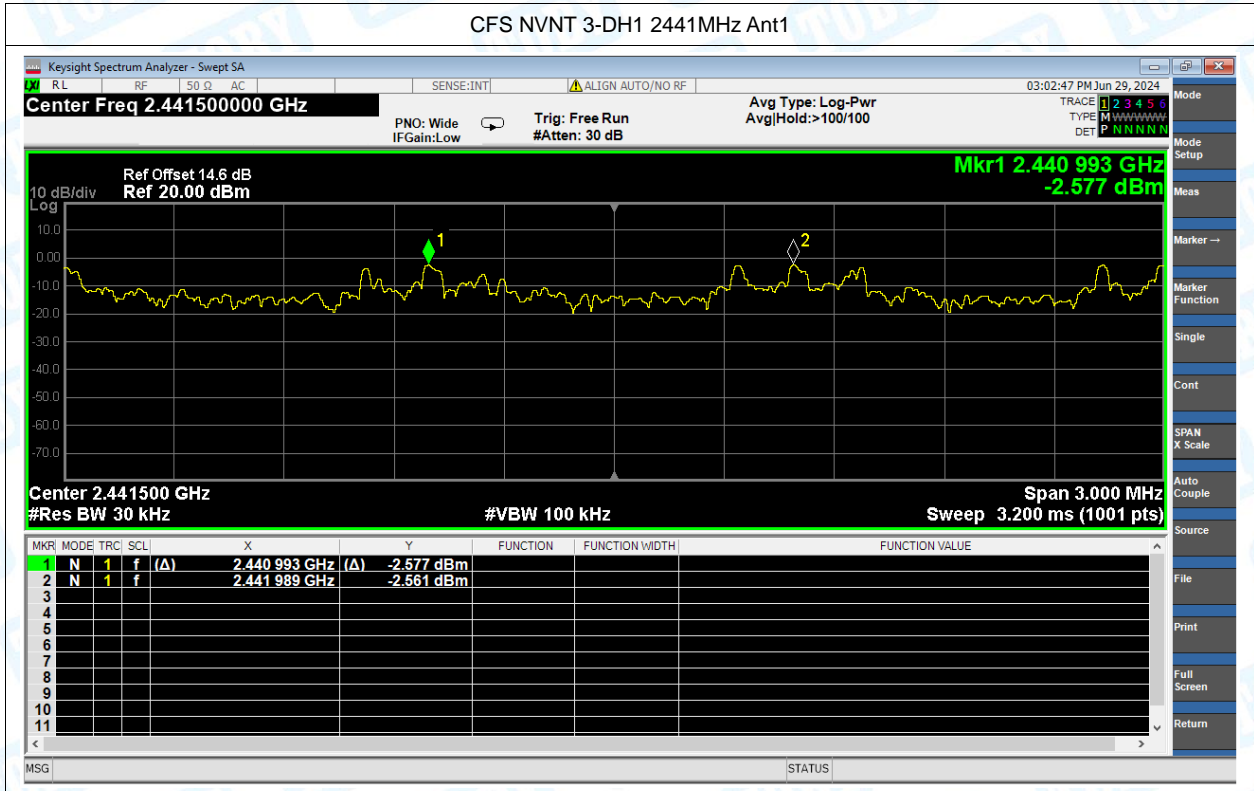
CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1







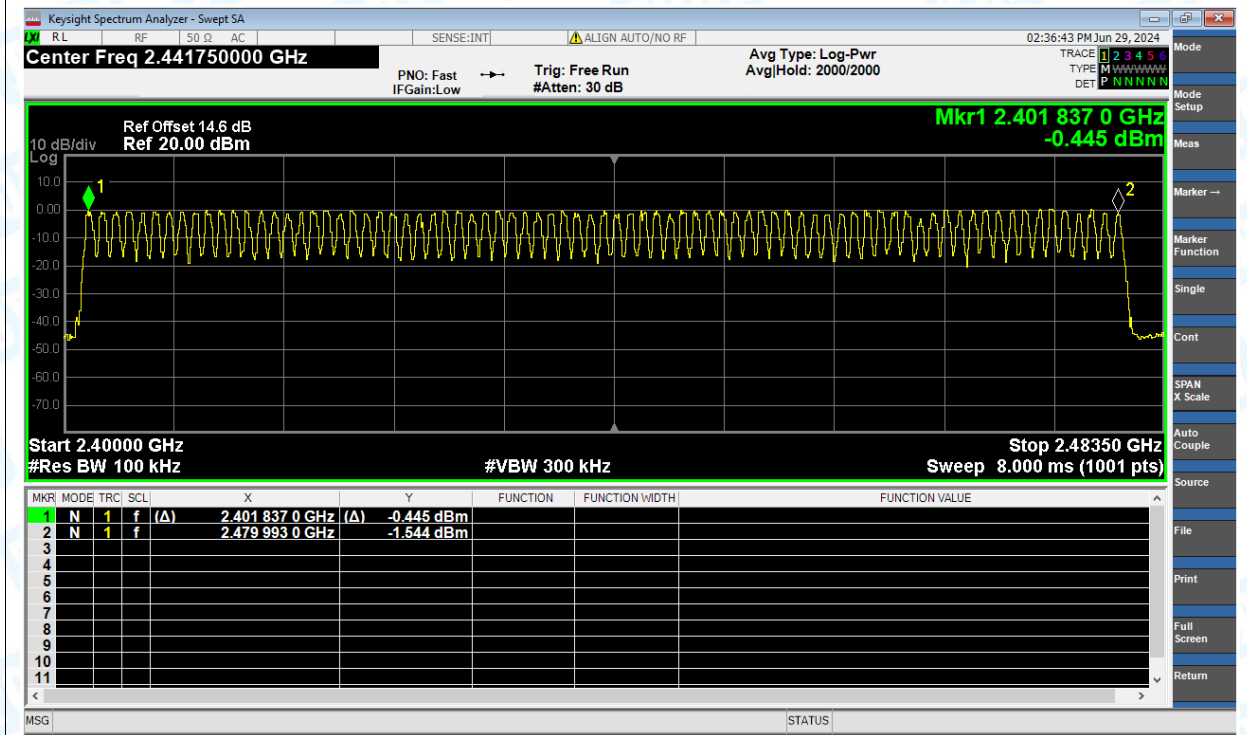
## 10.Number of Hopping Channel

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

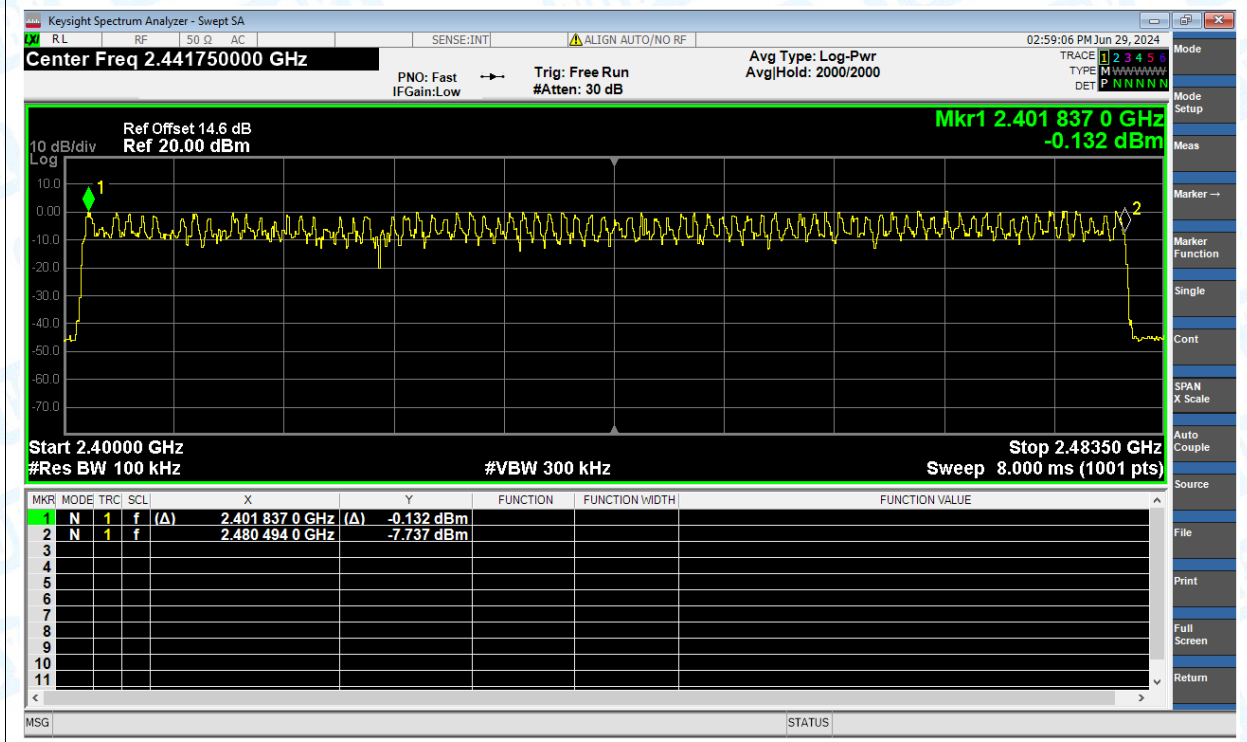


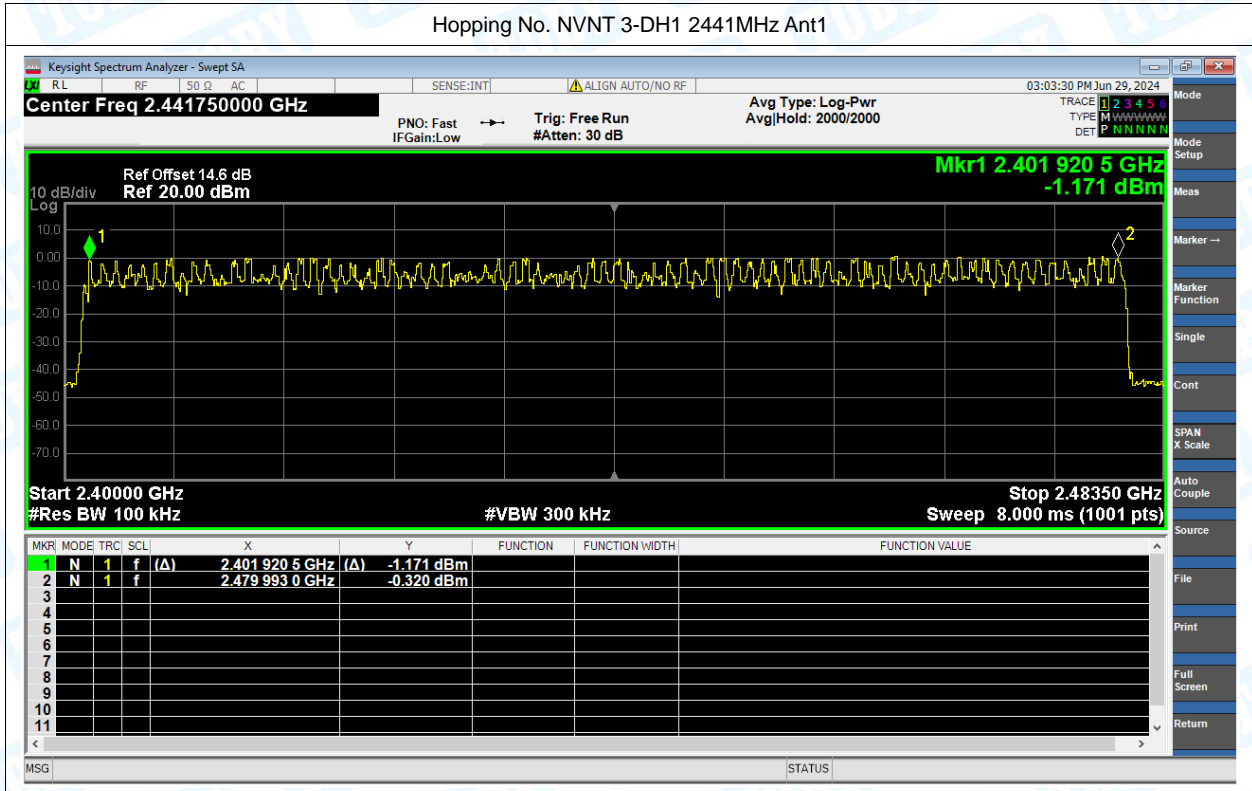
Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1





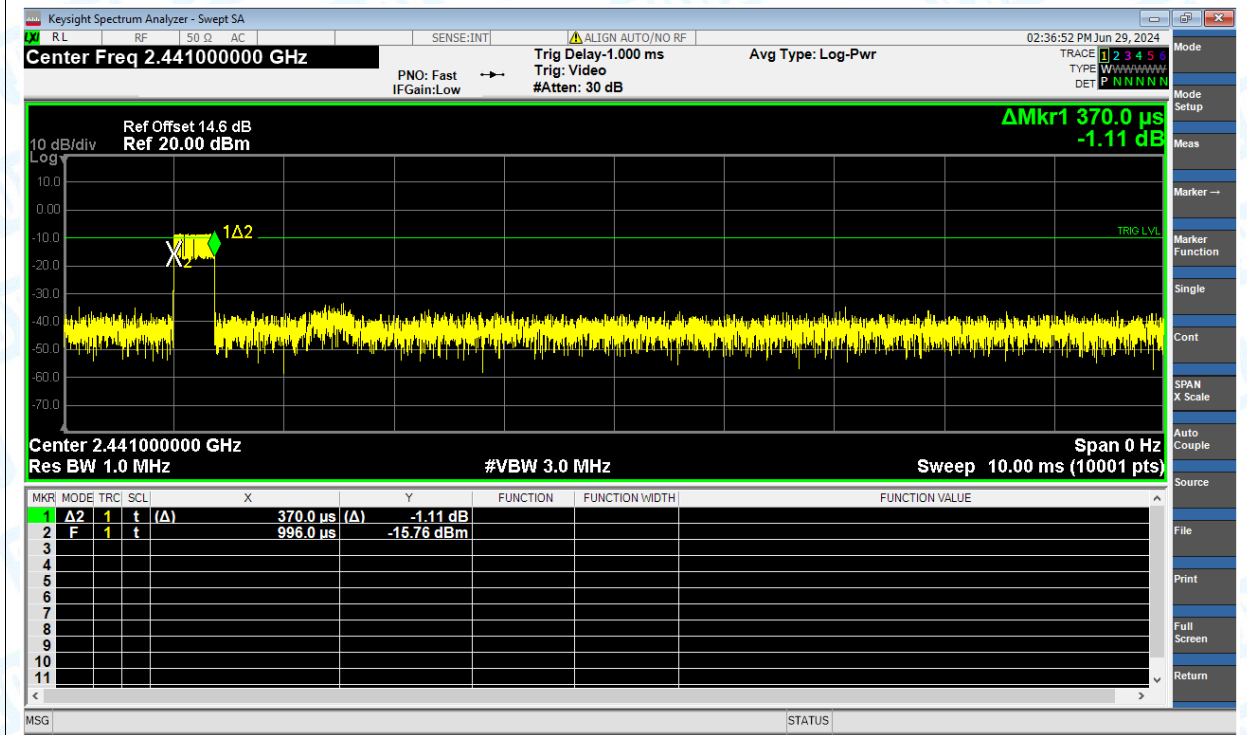


## 11.Dwell Time

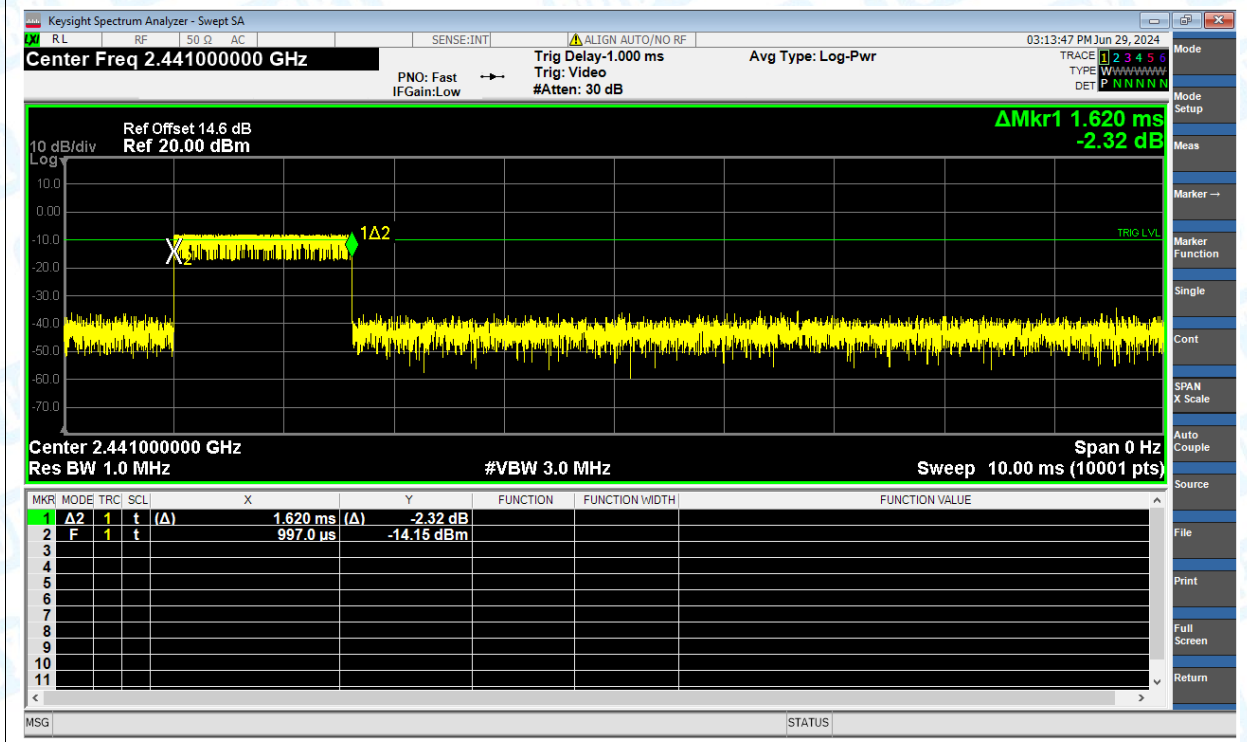
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.37	118.4	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.62	259.2	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.867	305.813	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.378	120.96	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.632	261.12	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.88	307.2	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.38	121.6	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.629	260.64	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.879	307.093	31600	400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1

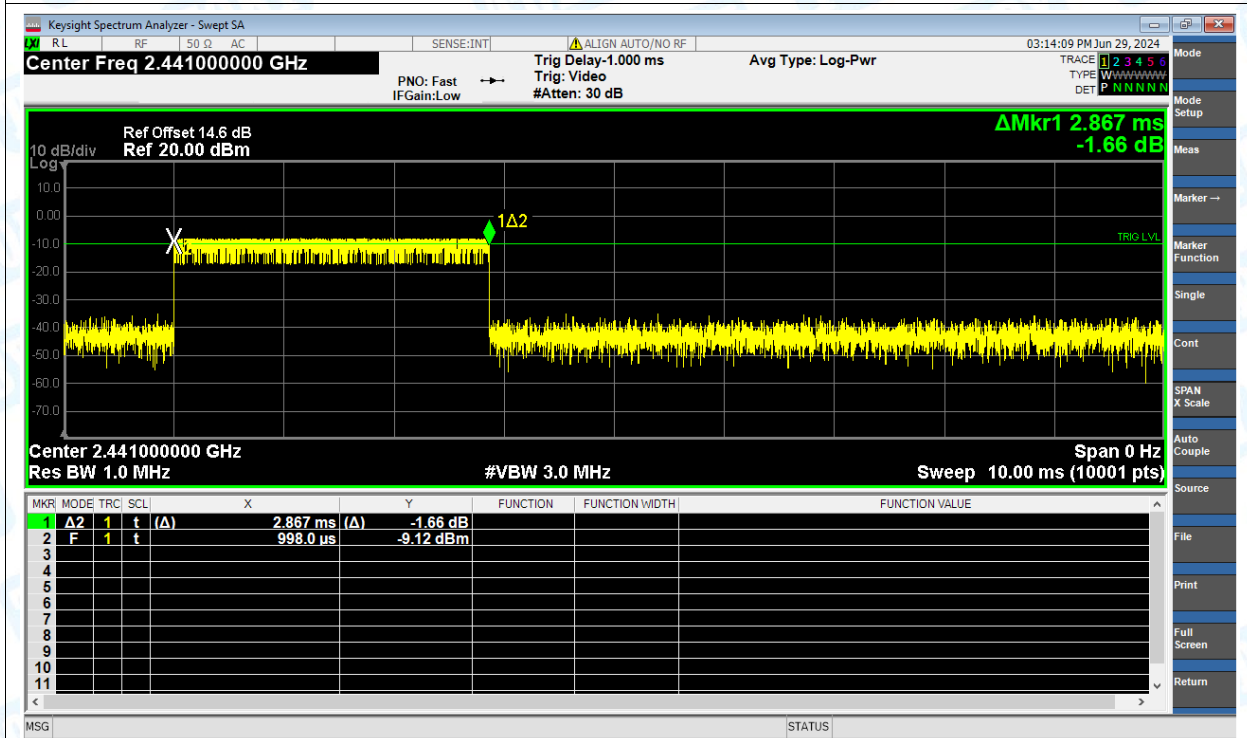


Dwell NVNT 1-DH3 2441MHz Ant1

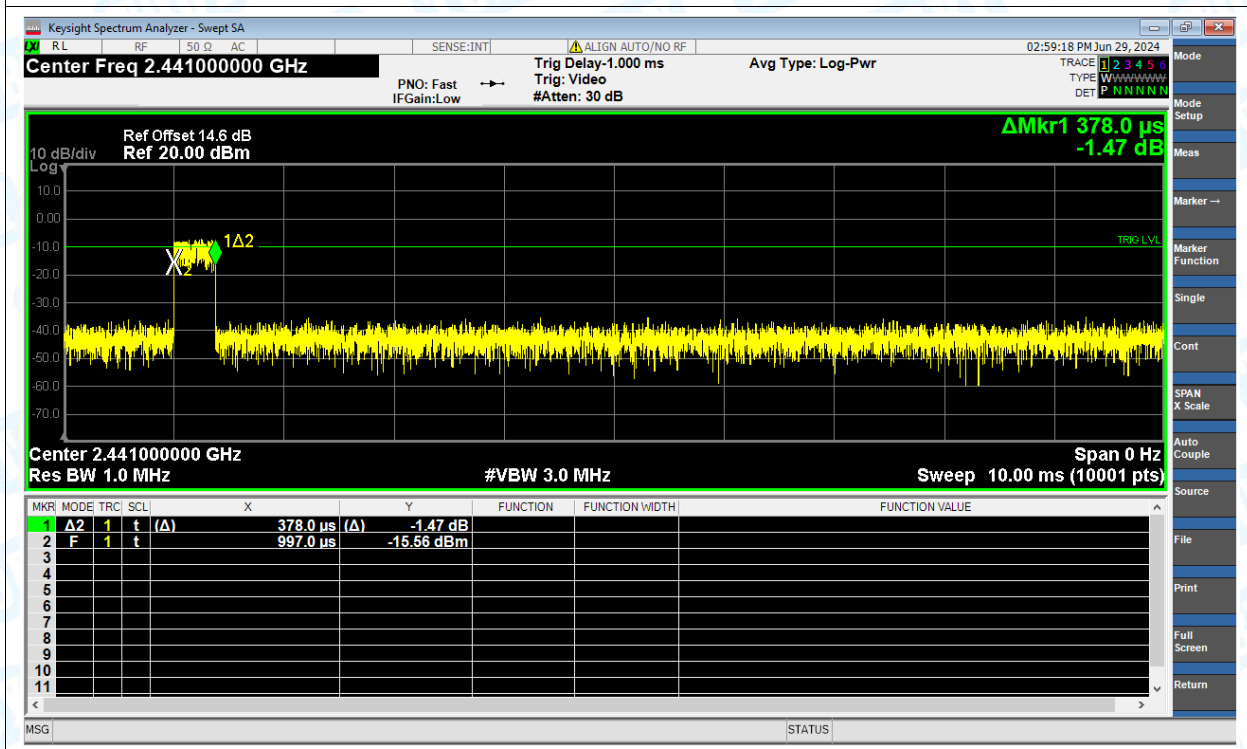




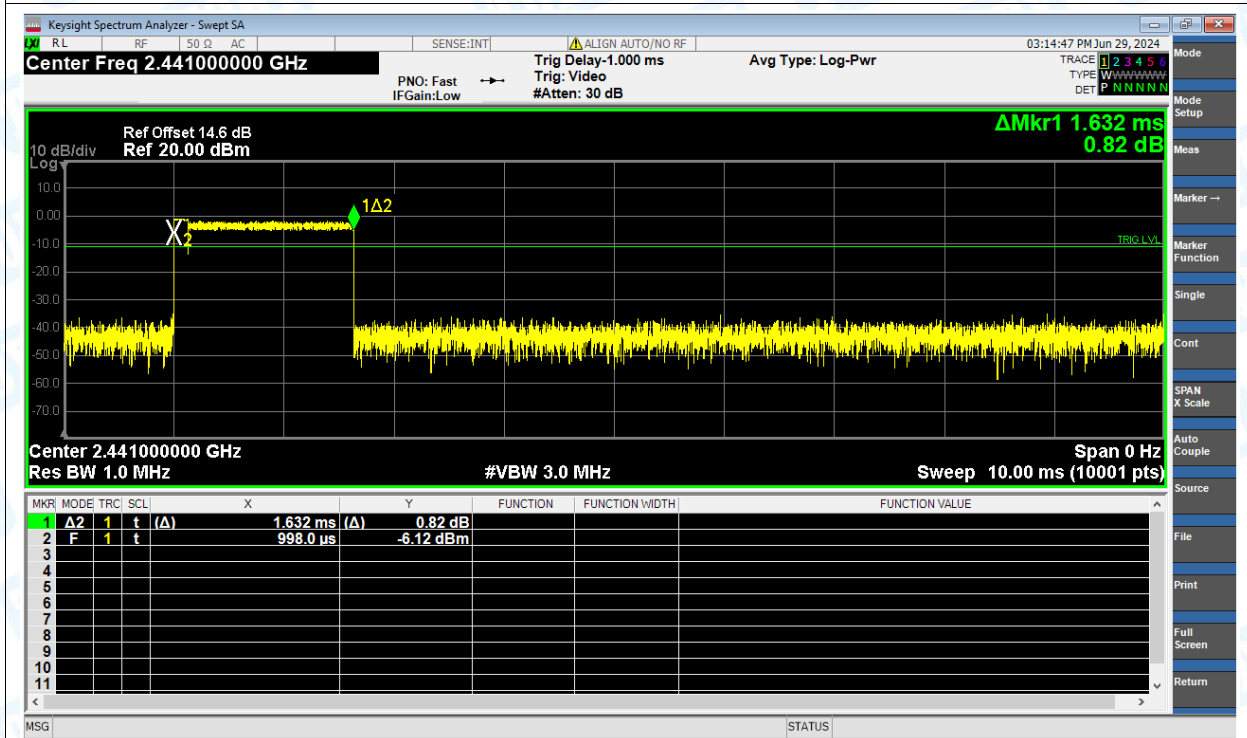
Dwell NVNT 1-DH5 2441MHz Ant1



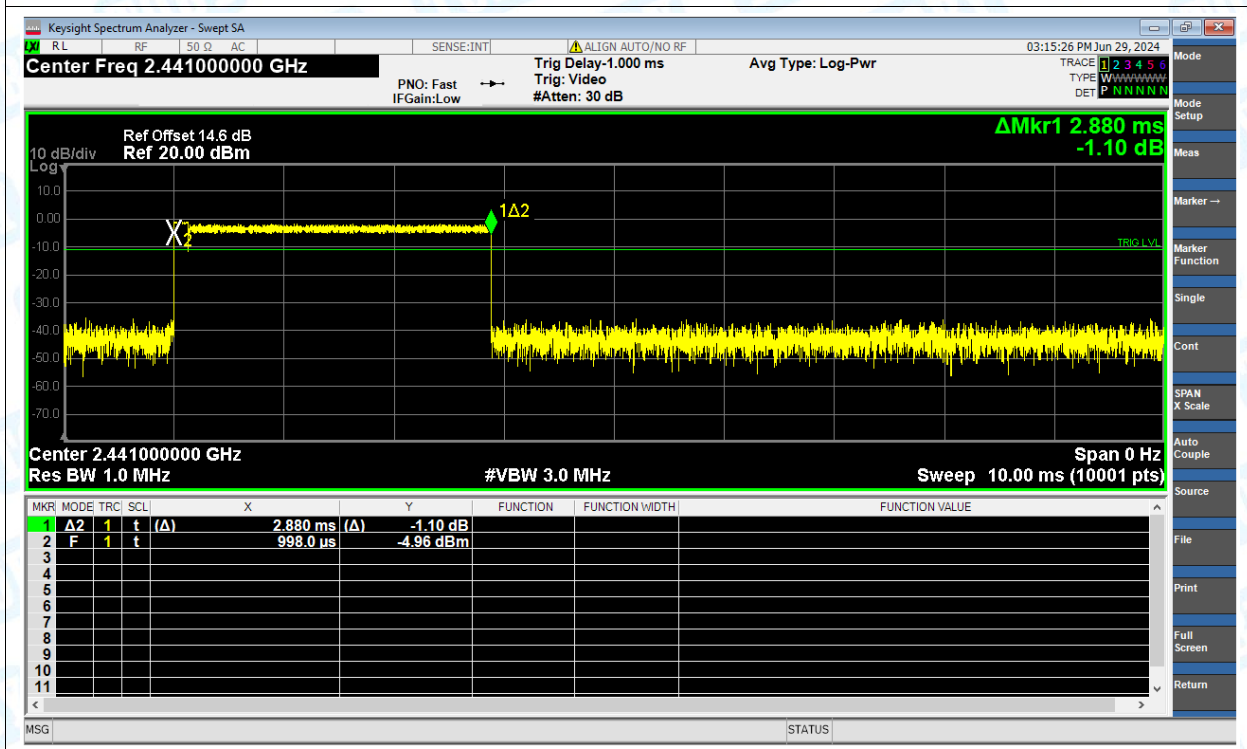
Dwell NVNT 2-DH1 2441MHz Ant1



Dwell NVNT 2-DH3 2441MHz Ant1

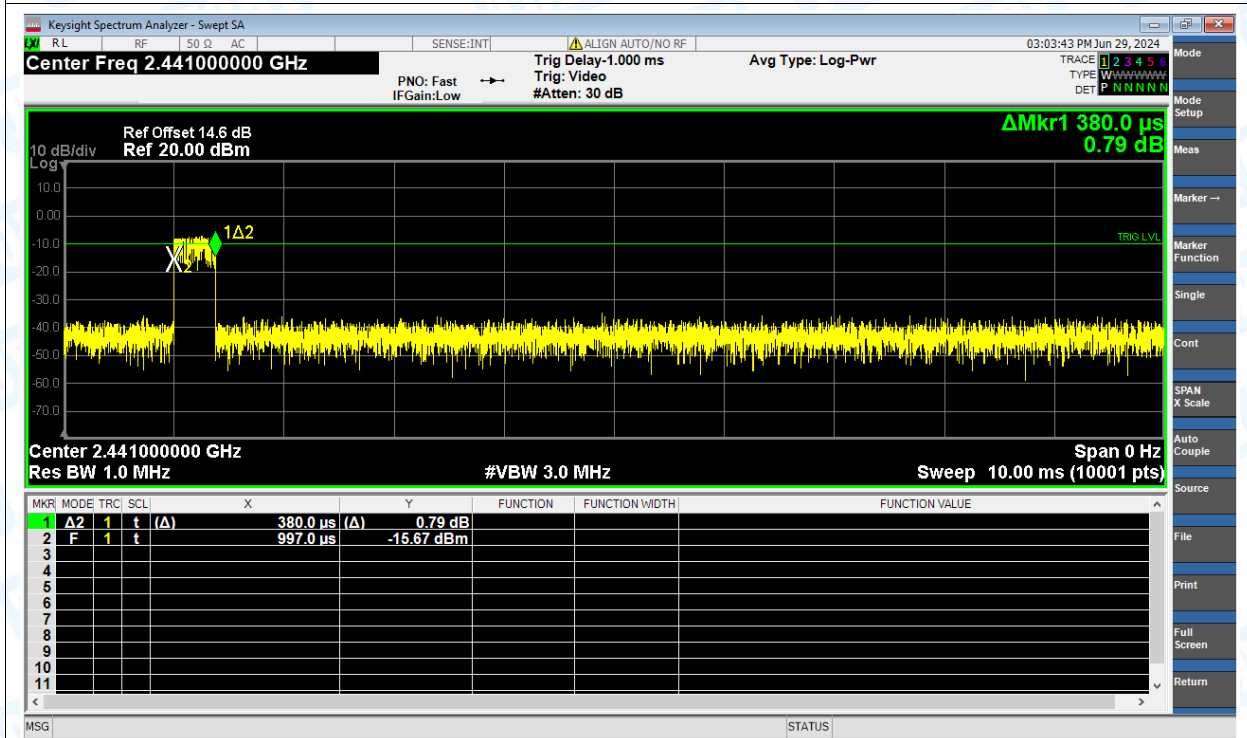


Dwell NVNT 2-DH5 2441MHz Ant1

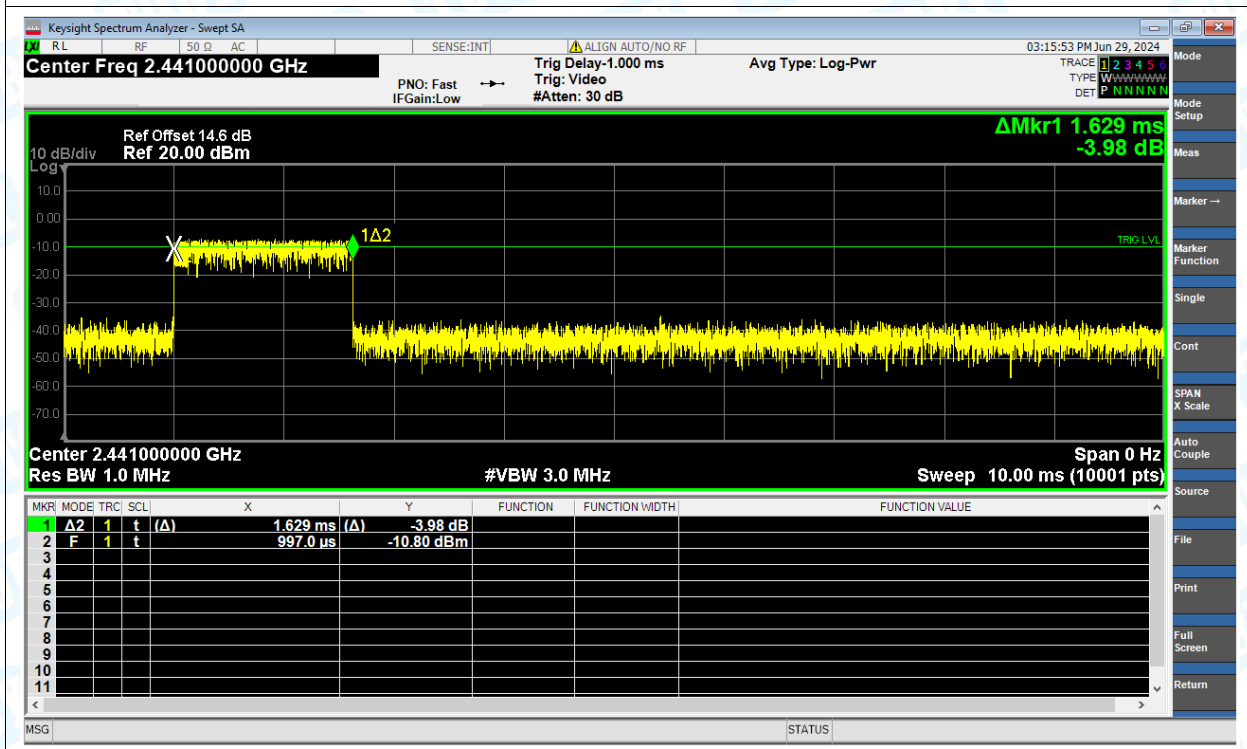


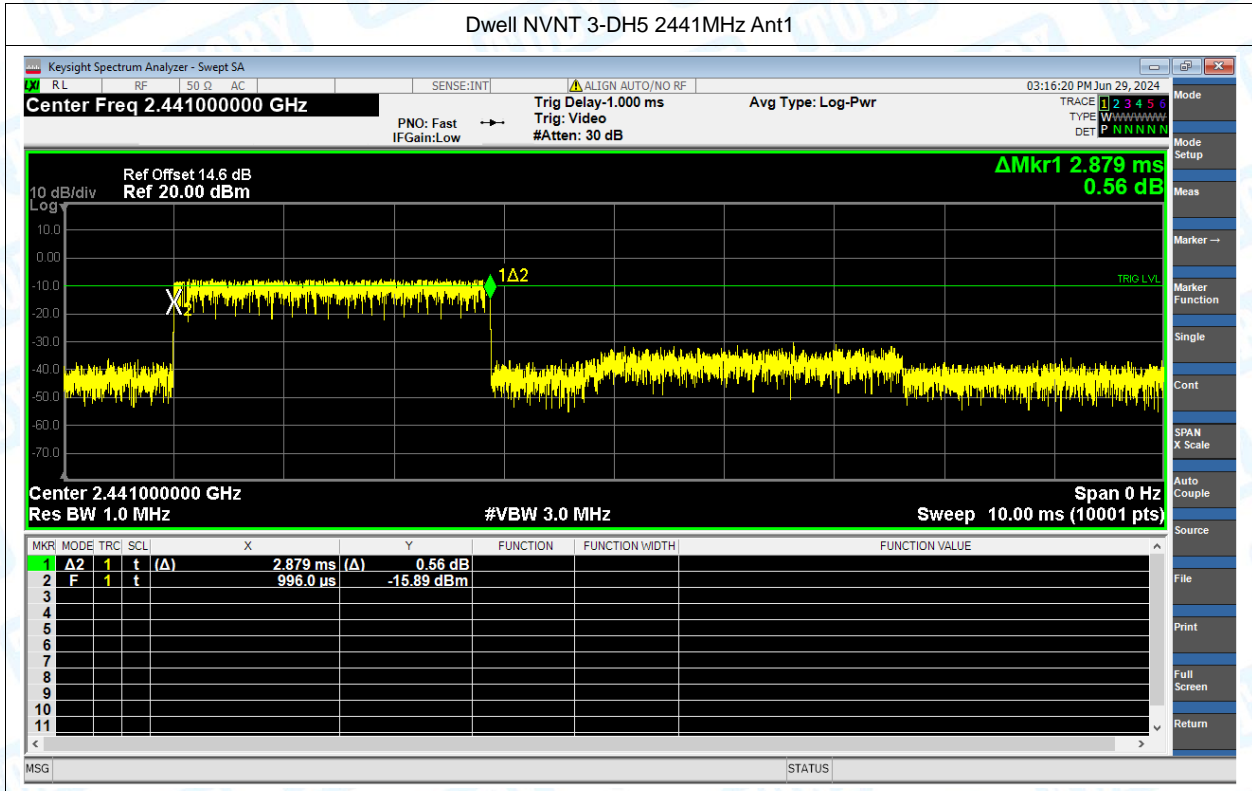


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





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