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FCC ID:2A9HV-AUT209

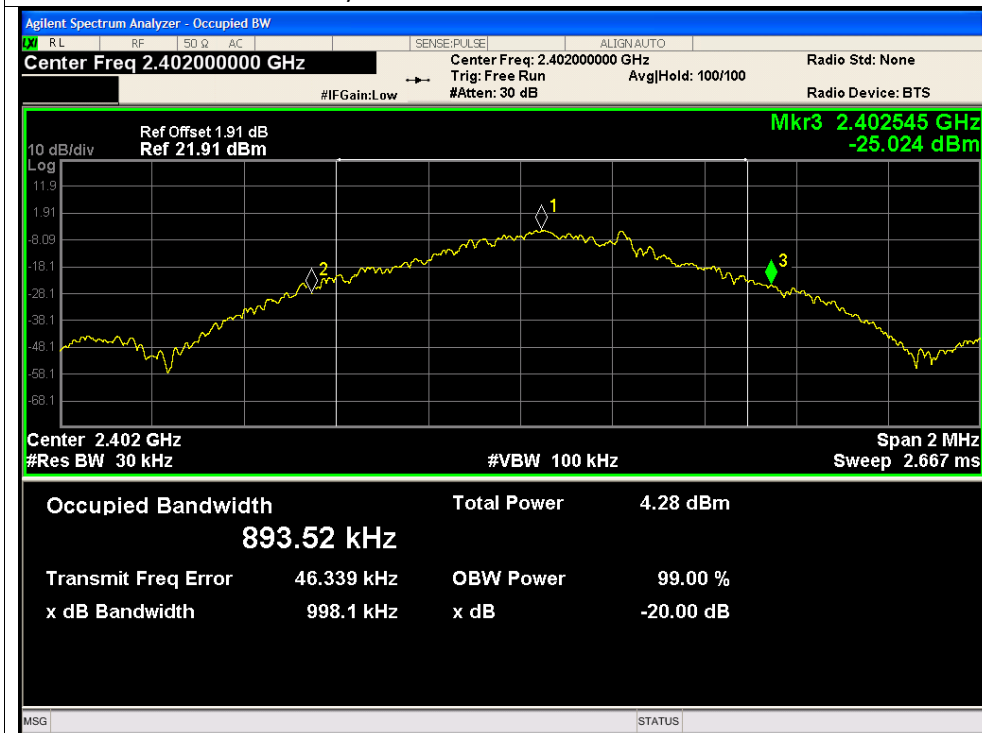
FCC_BT (Part15.247) Test Data

1. -20dB Bandwidth and 99% Occupied Bandwidth

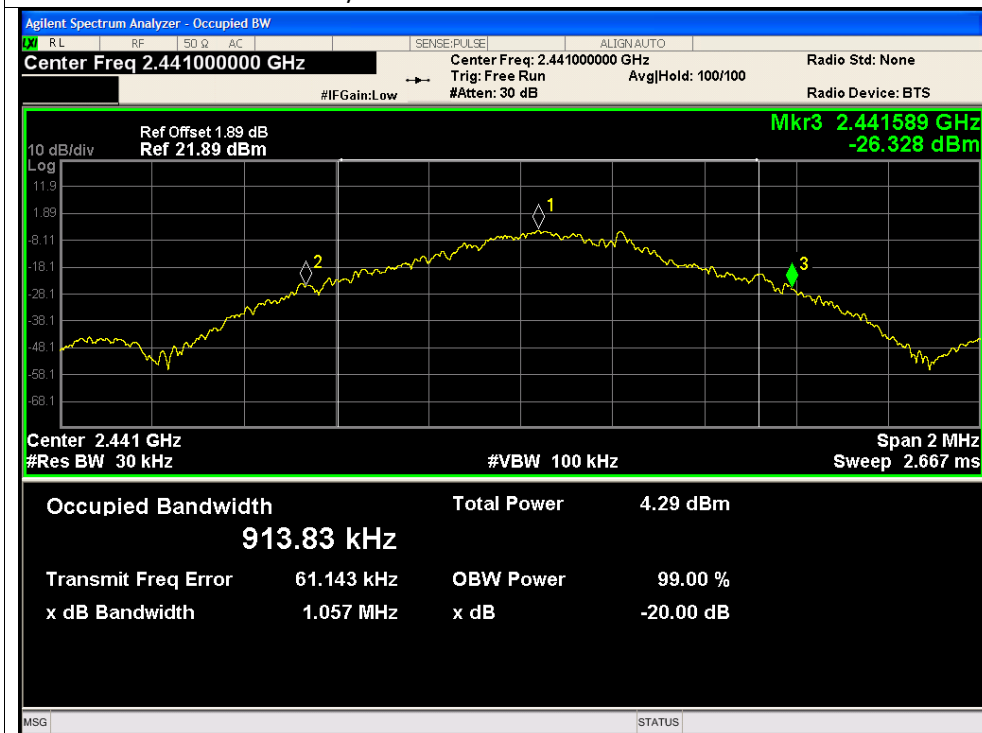
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	99 dB Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.998	0.893	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.057	0.913	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.033	0.896	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.306	1.189	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.313	1.190	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.302	1.201	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.306	1.171	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.283	1.178	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.293	1.183	N/A	Pass

Test Graphs

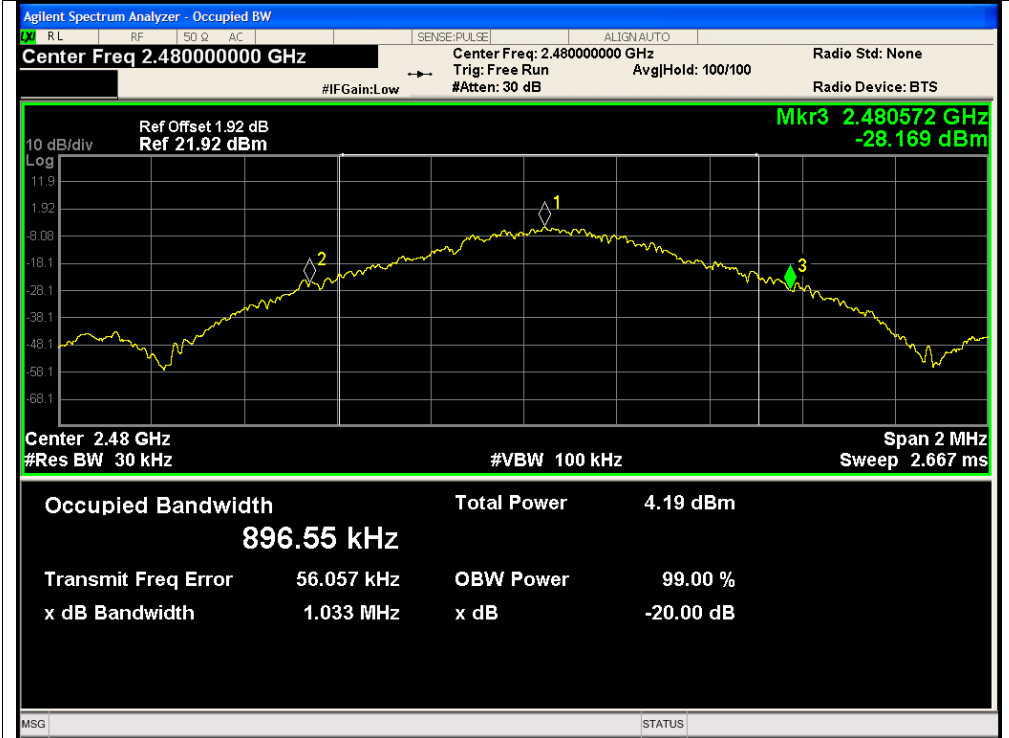
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2402MHz Ant1



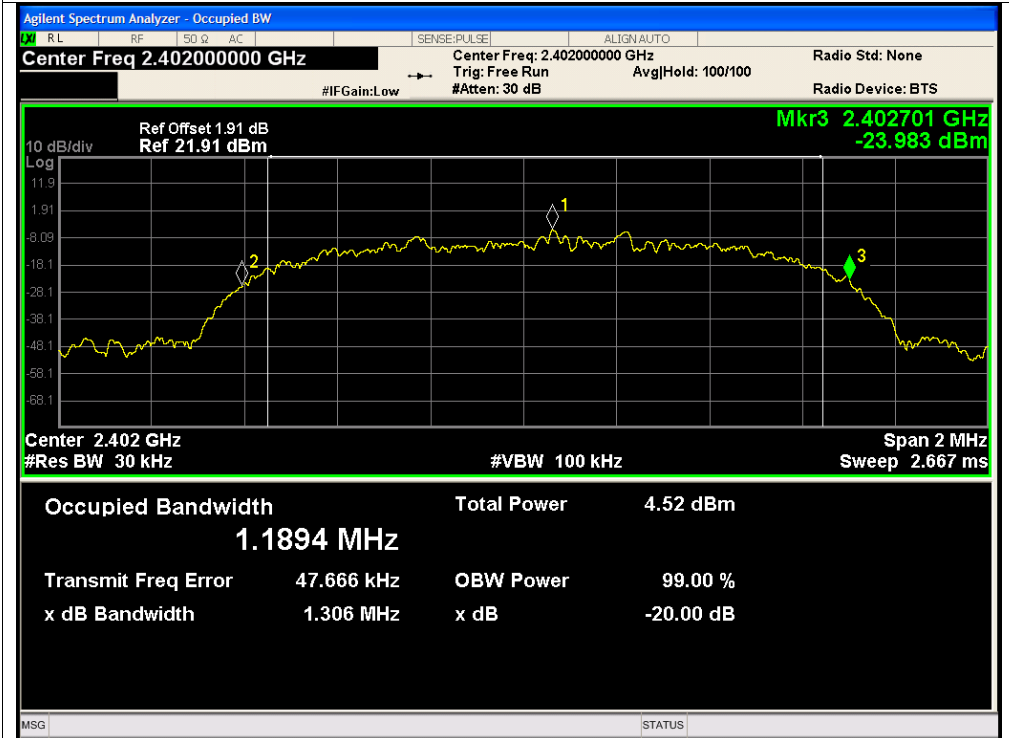
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2441MHz Ant1



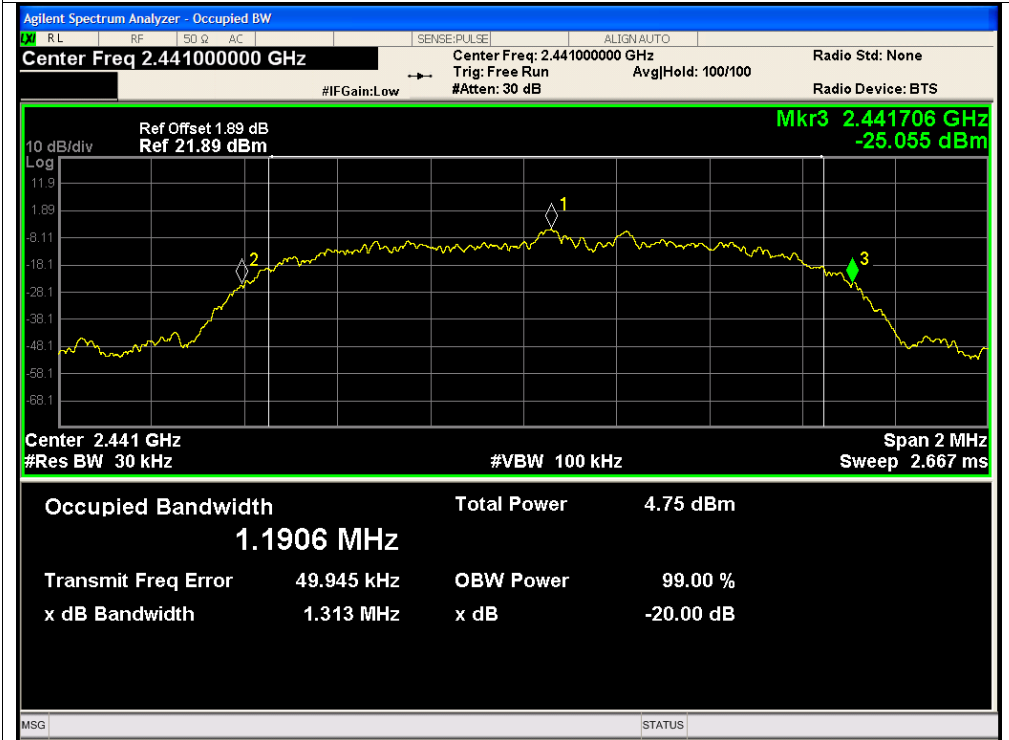
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2480MHz Ant1



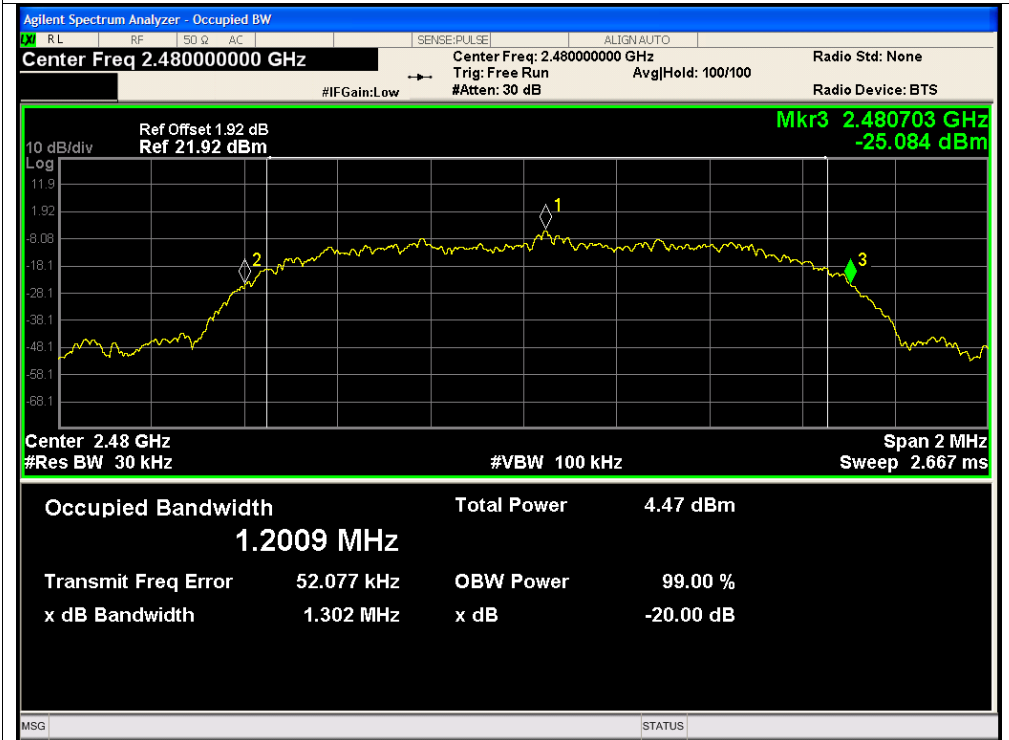
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2402MHz Ant1



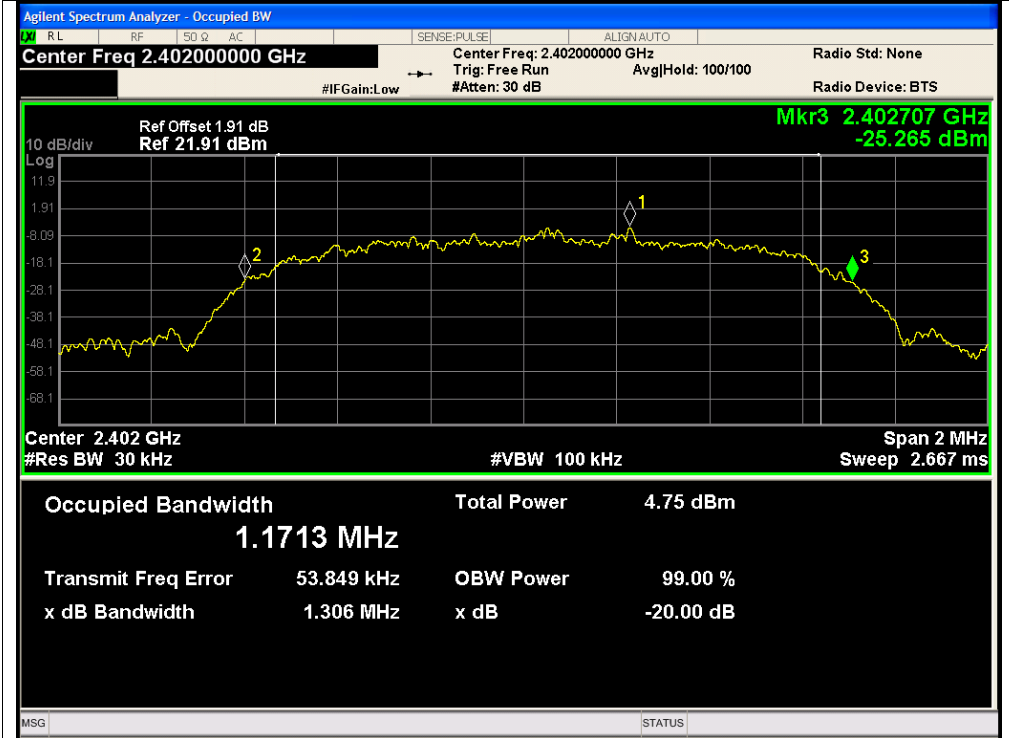
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2441MHz Ant1



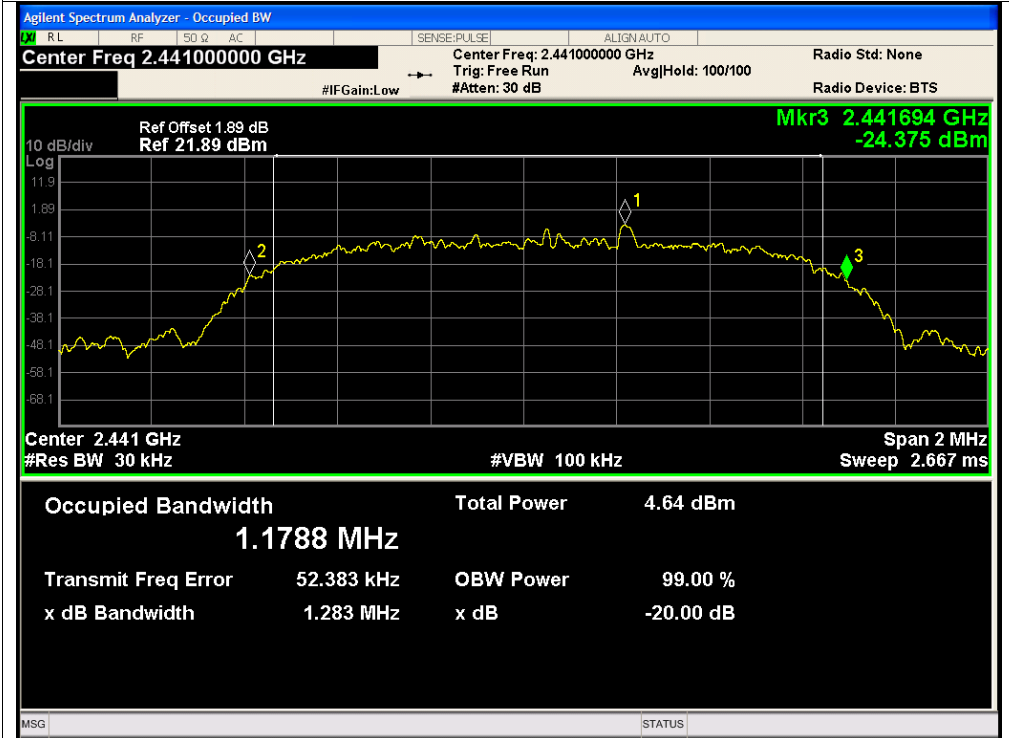
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2480MHz Ant1



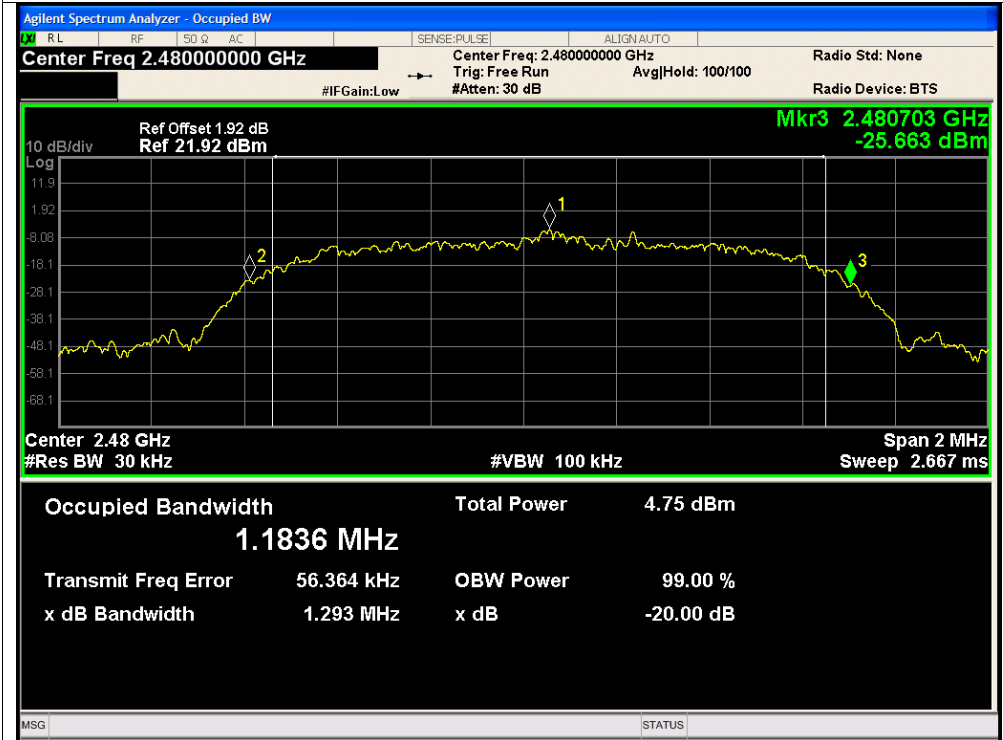
-20dB Bandwidth / 99% Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth / 99% Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth / 99% Bandwidth NVNT 3-DH5 2480MHz Ant1

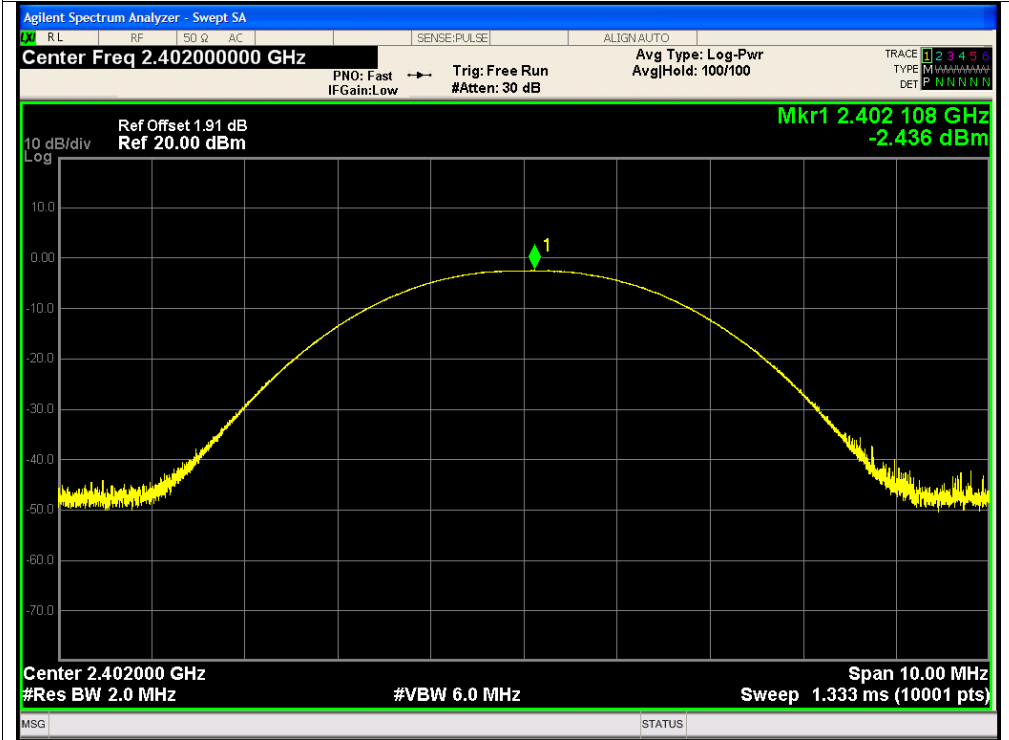


2. Peak Output Power

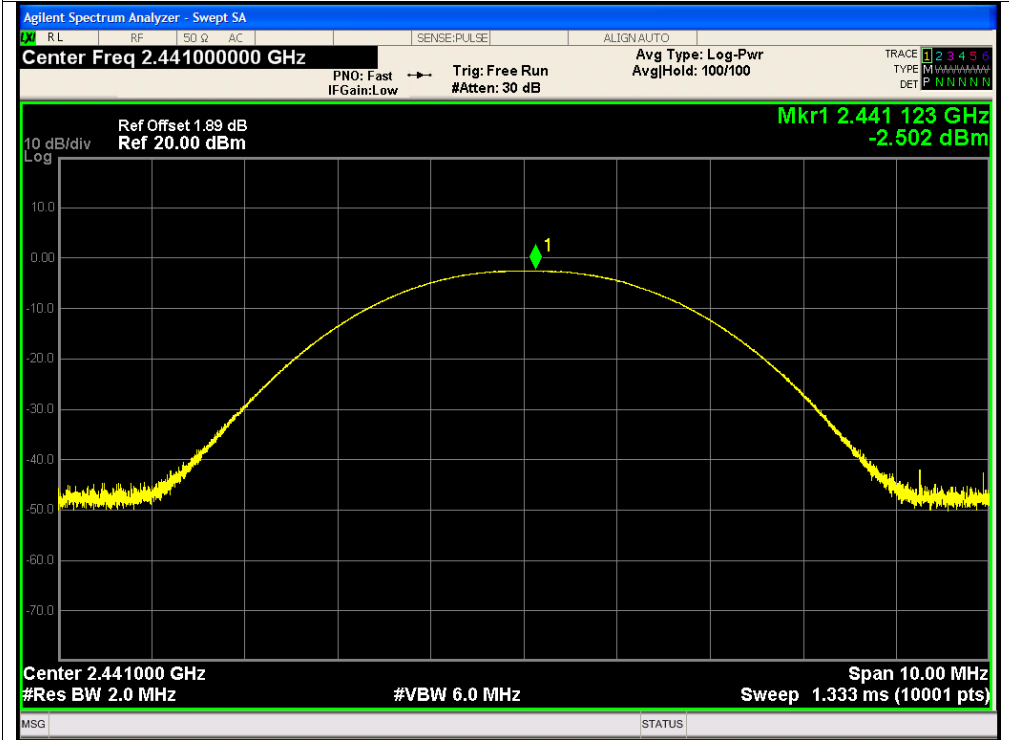
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-2.44	21	Pass
NVNT	1-DH5	2441	Ant1	-2.5	21	Pass
NVNT	1-DH5	2480	Ant1	-2.28	21	Pass
NVNT	2-DH5	2402	Ant1	-0.48	21	Pass
NVNT	2-DH5	2441	Ant1	-0.41	21	Pass
NVNT	2-DH5	2480	Ant1	-0.25	21	Pass
NVNT	3-DH5	2402	Ant1	0	21	Pass
NVNT	3-DH5	2441	Ant1	-0.03	21	Pass
NVNT	3-DH5	2480	Ant1	0.22	21	Pass

Test Graphs

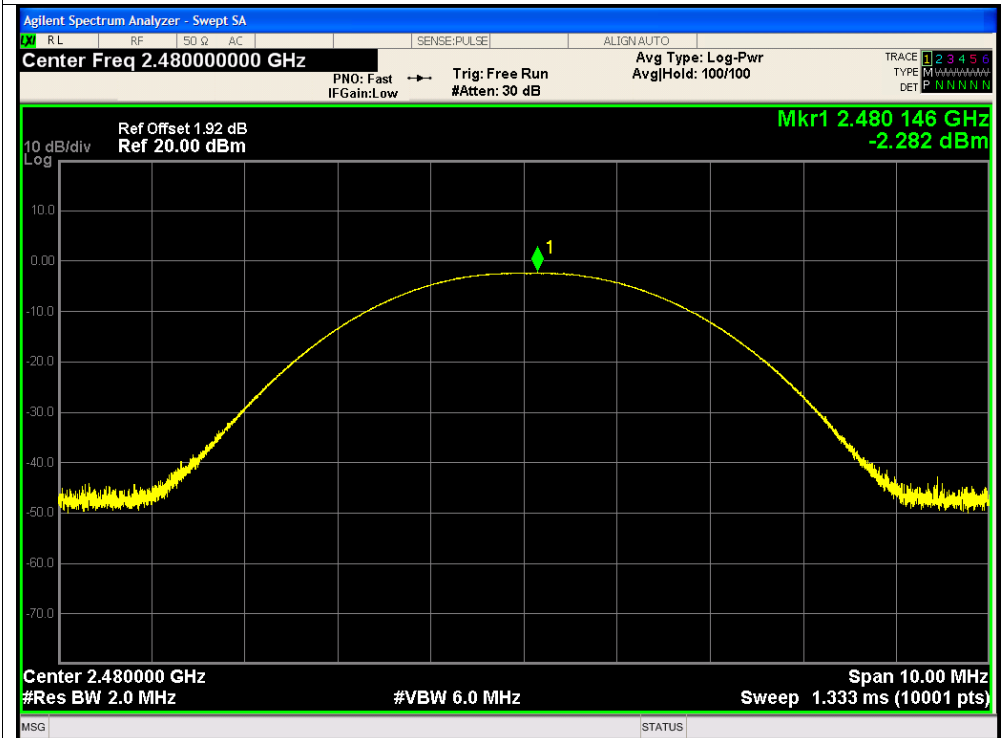
Power NVNT 1-DH5 2402MHz Ant1



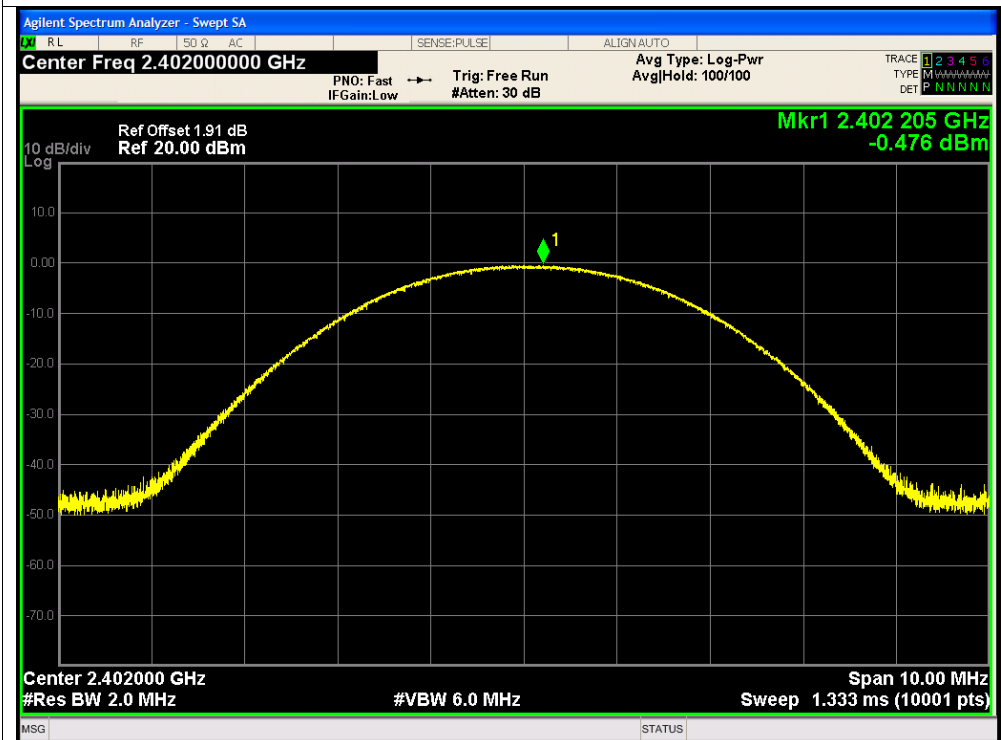
Power NVNT 1-DH5 2441MHz Ant1



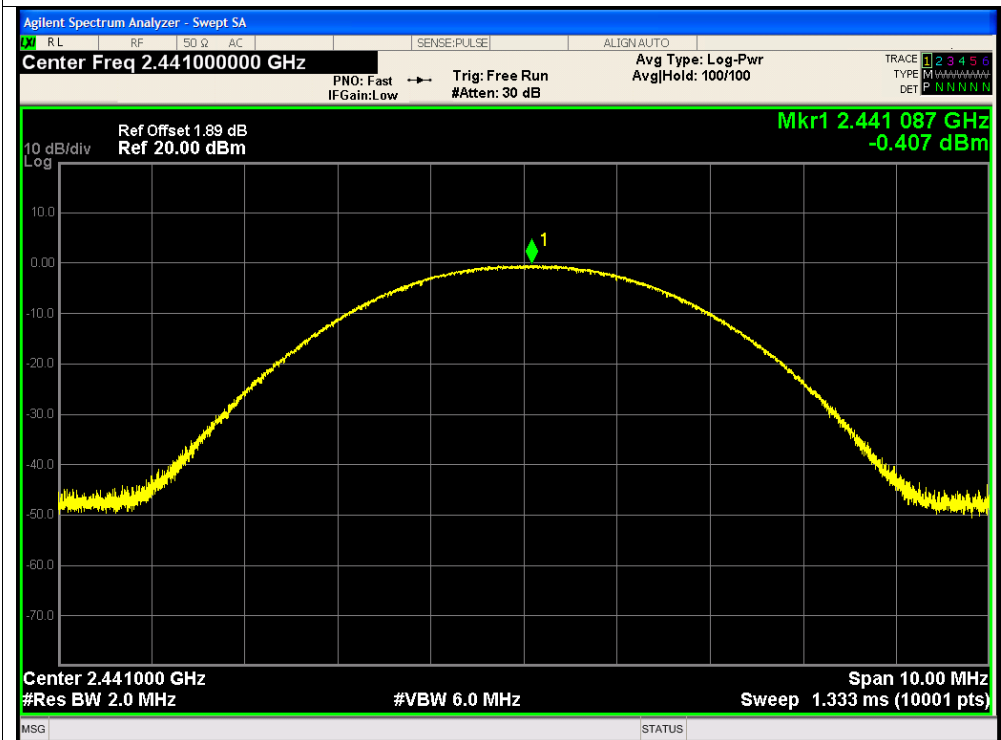
Power NVNT 1-DH5 2480MHz Ant1



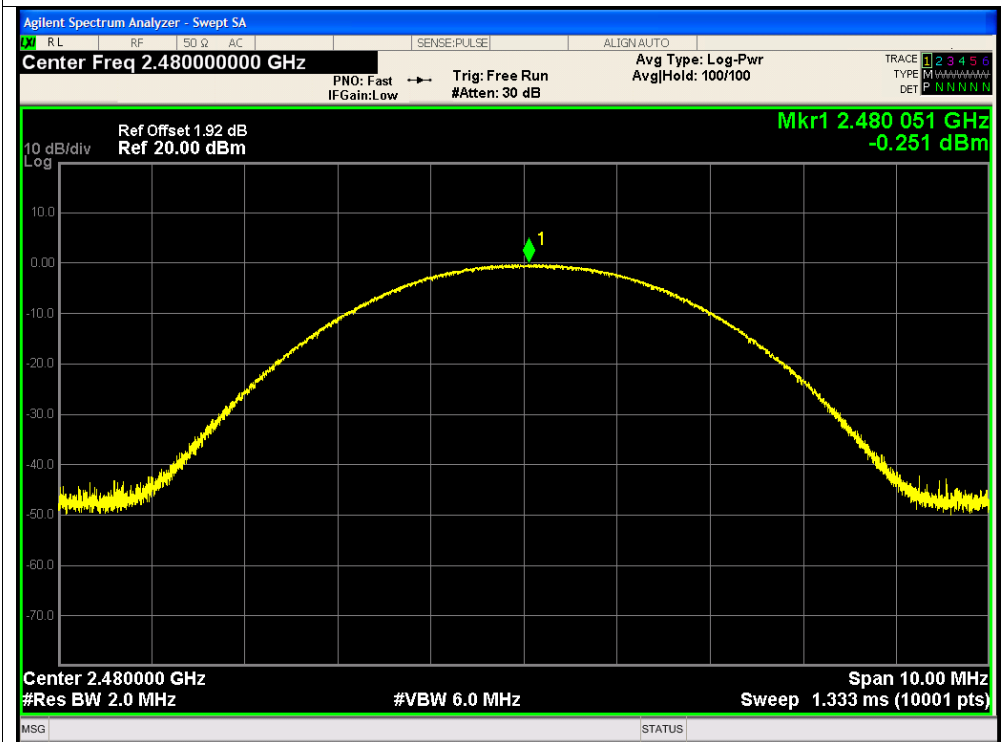
Power NVNT 2-DH5 2402MHz Ant1



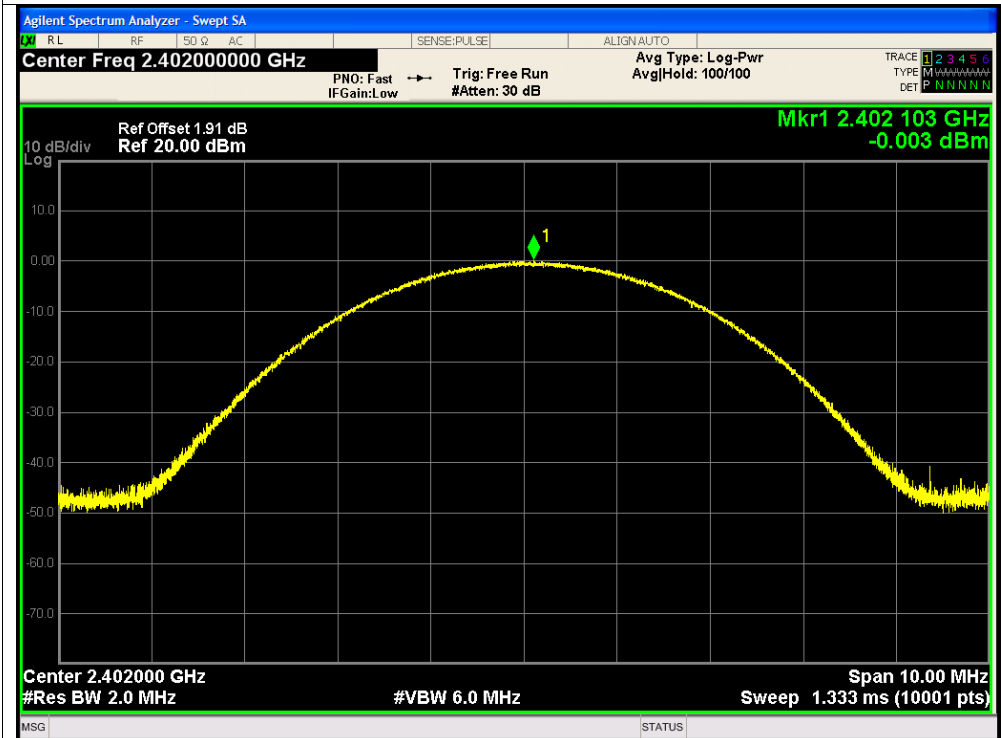
Power NVNT 2-DH5 2441MHz Ant1



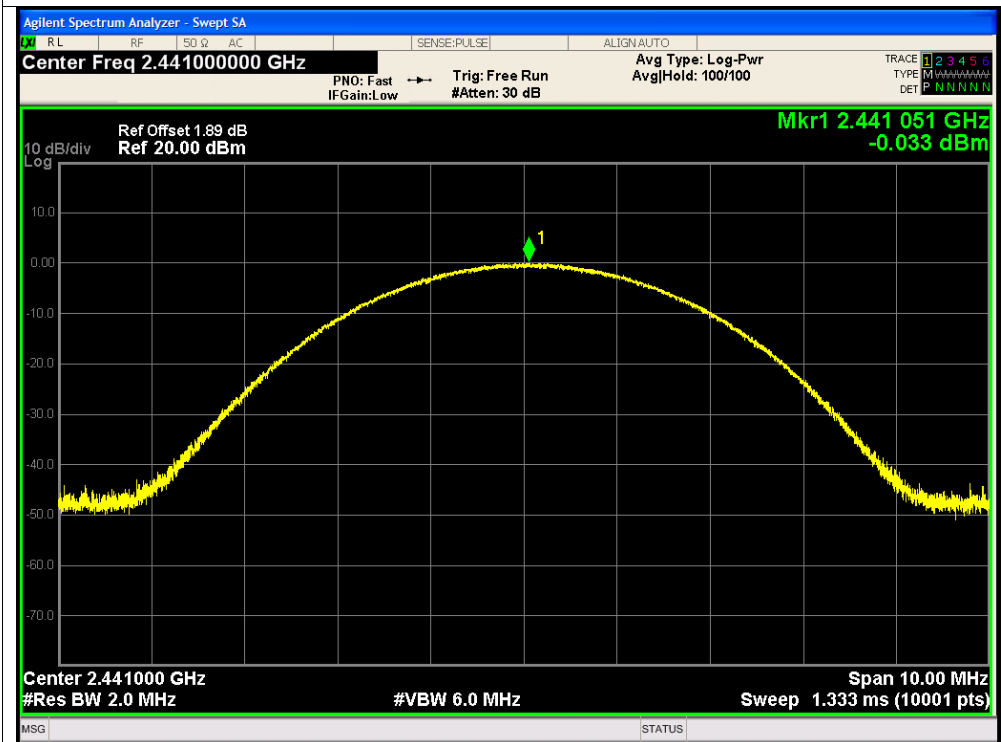
Power NVNT 2-DH5 2480MHz Ant1



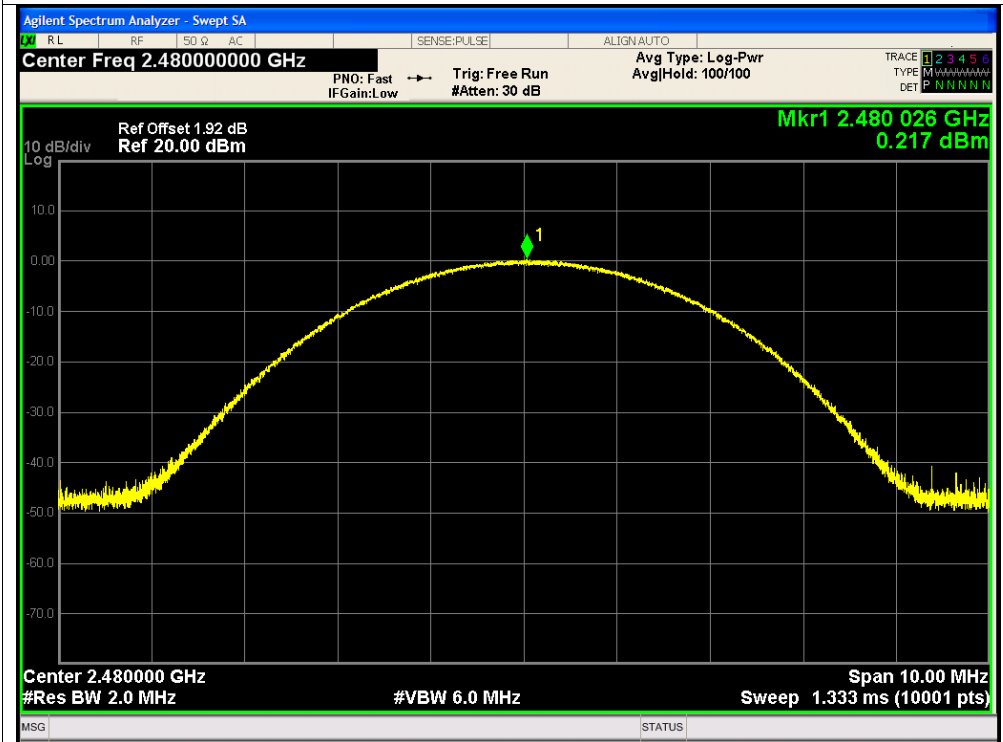
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1



3. Spurious Emissions

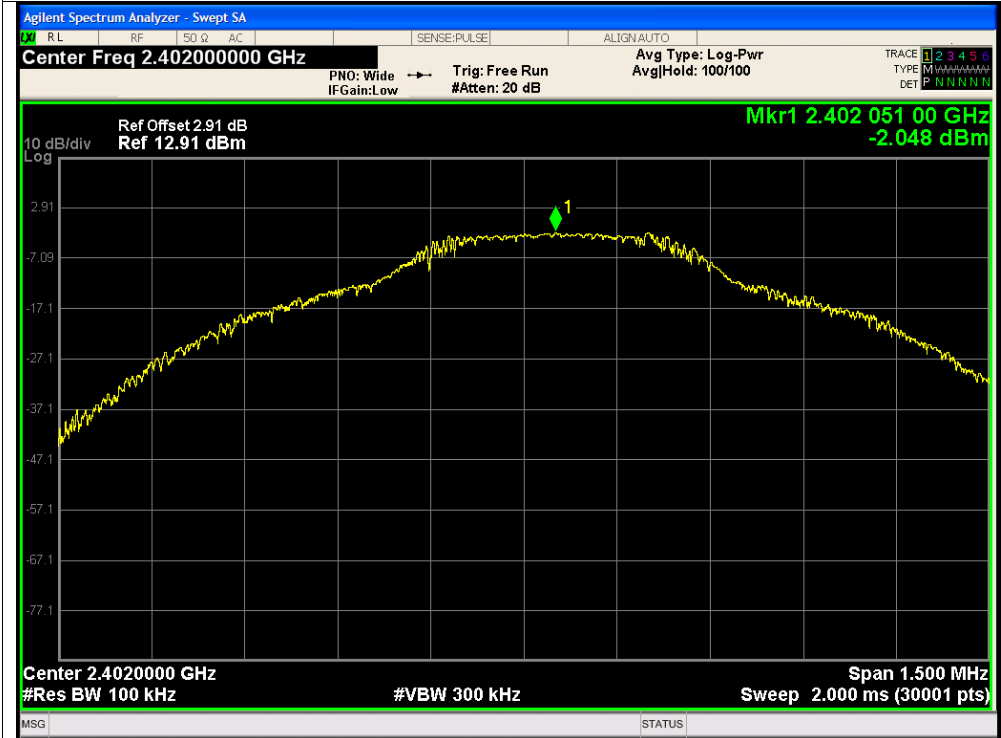
All the modes have tested and recorded the worst mode(GFSK) in the report

Condition	Mode	Frequency (MHz)	Antenna	Spurious MAX.Value(dBm)
NVNT	1-DH5	2402	Ant1	-47.71
NVNT	1-DH5	2441	Ant1	-49.45
NVNT	1-DH5	2480	Ant1	-48.72

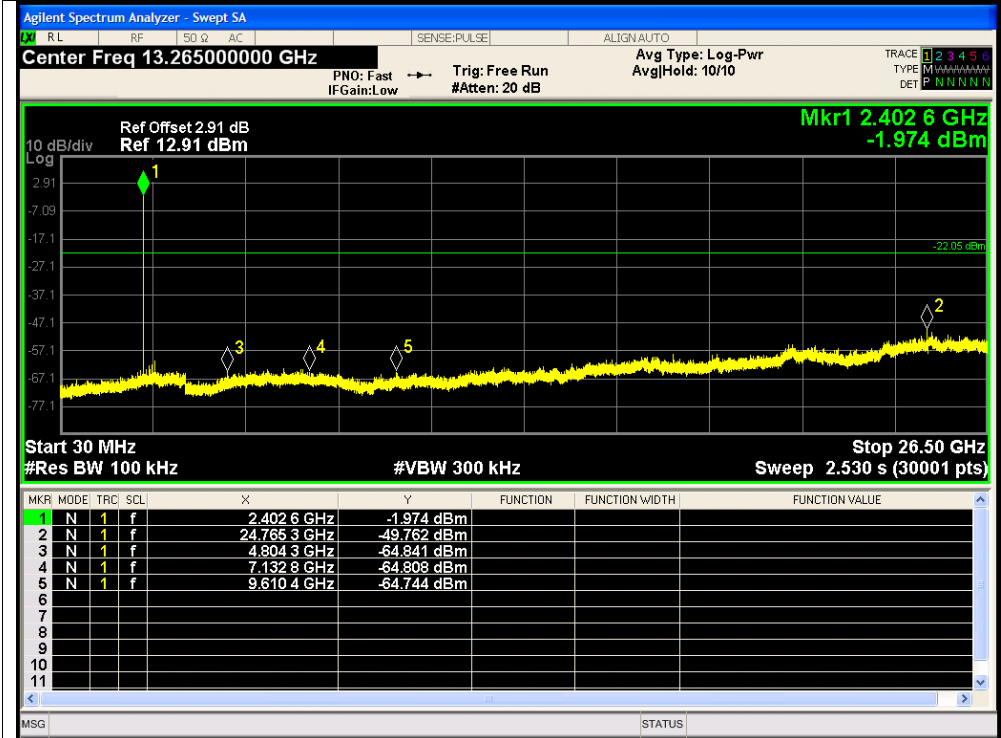
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Test Graphs

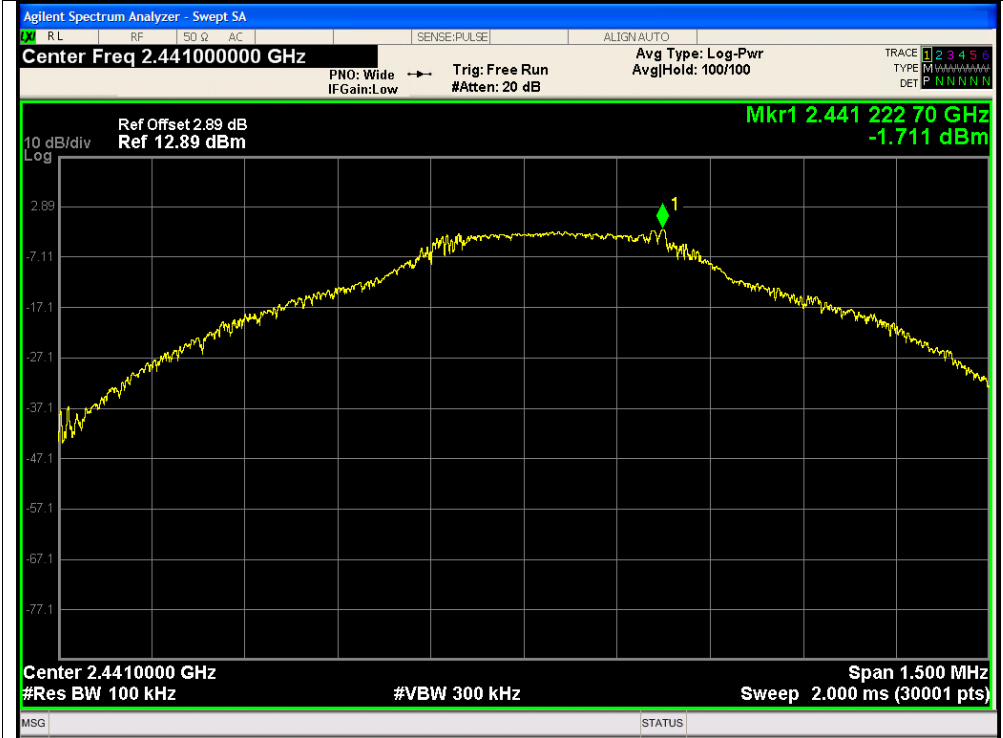
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



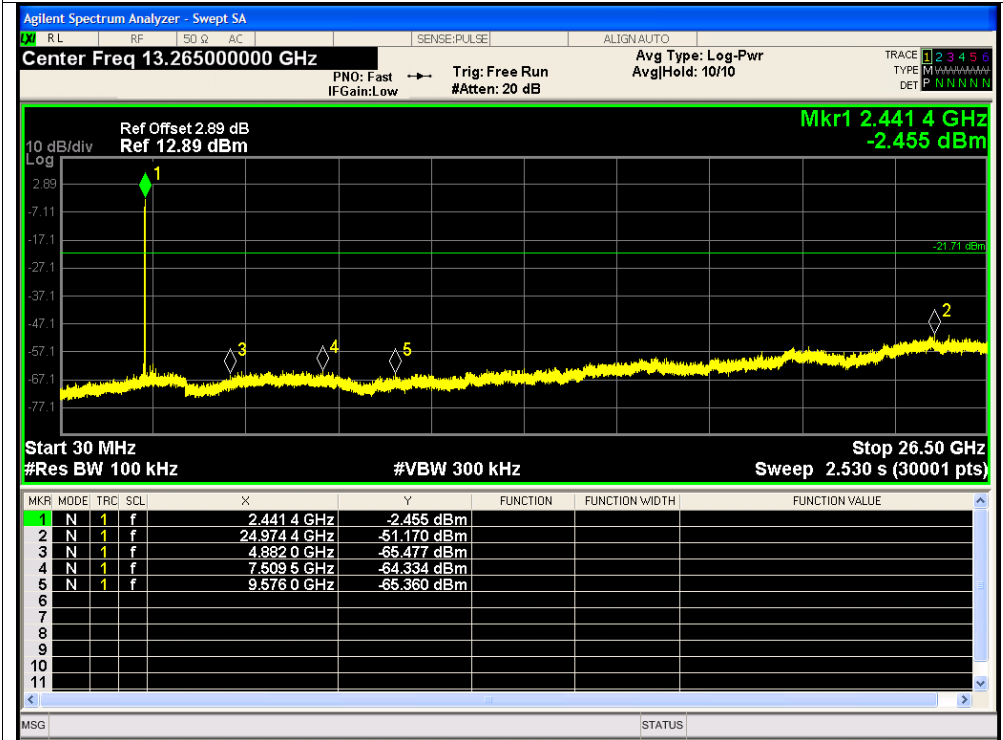
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



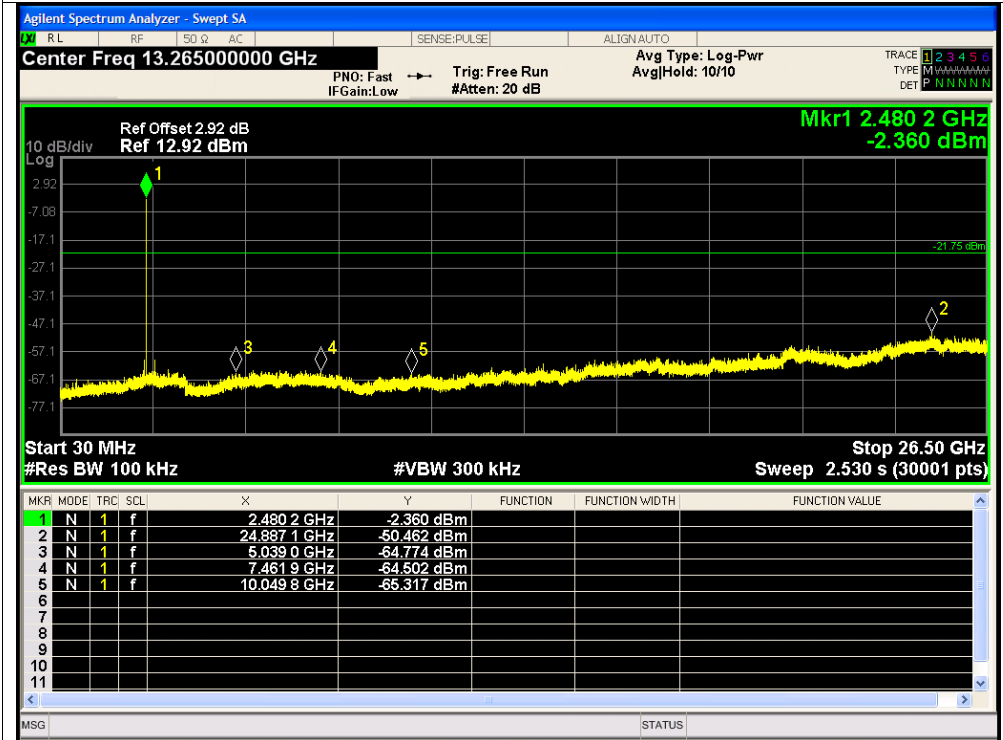
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



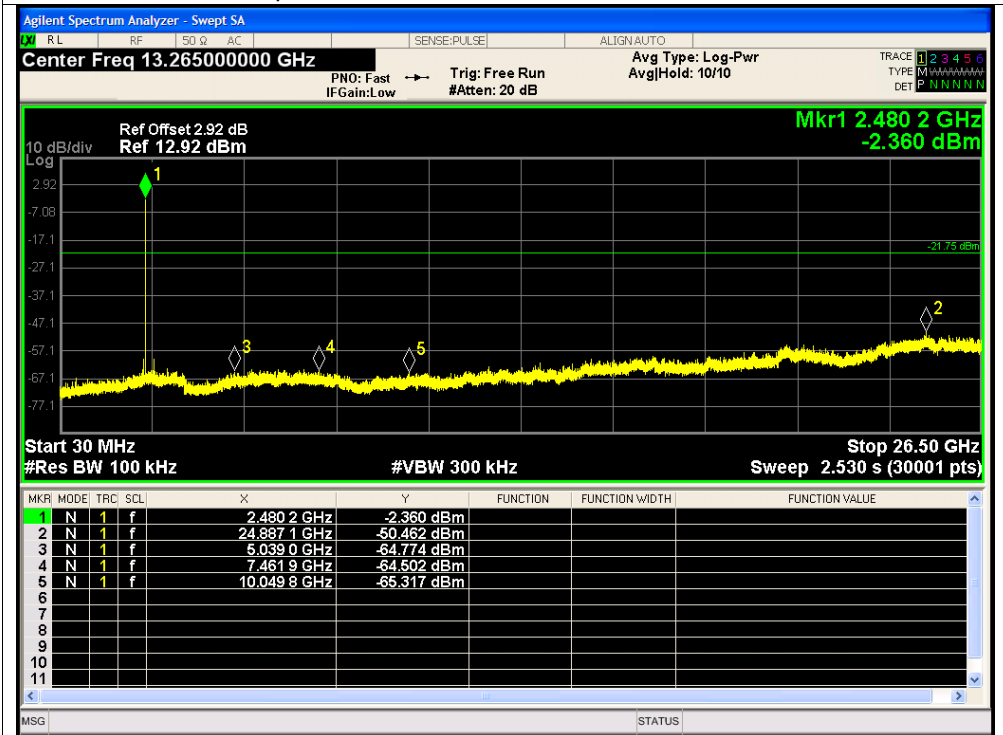
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



4. Bandedge

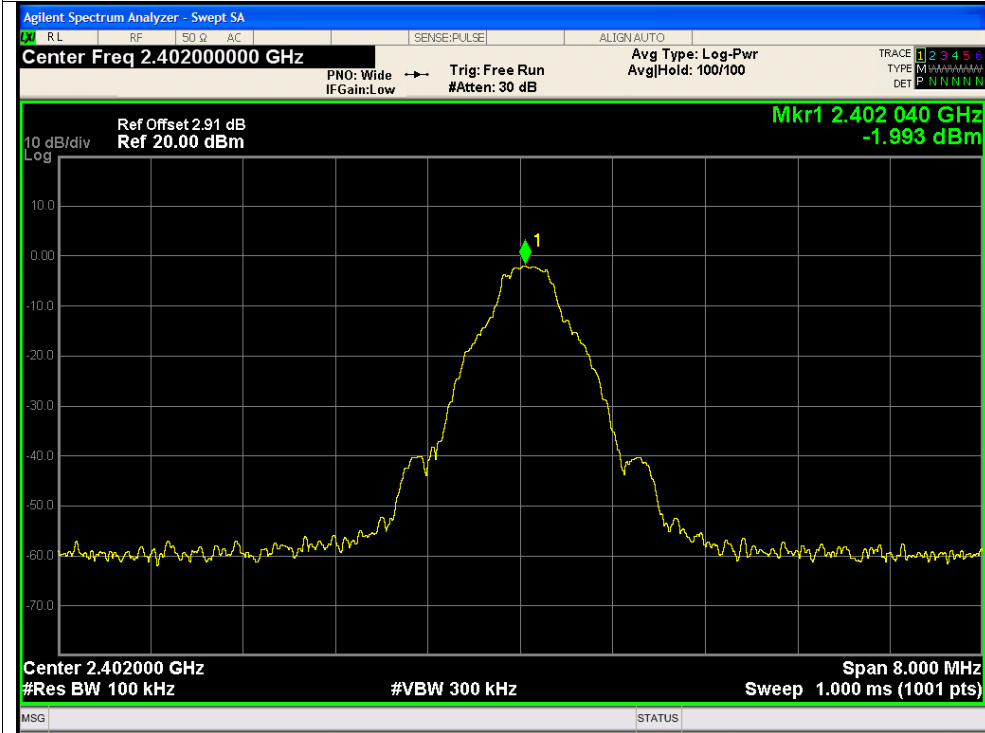
All the modes have tested and recorded the worst mode(GFSK) in the report

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.35
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.22

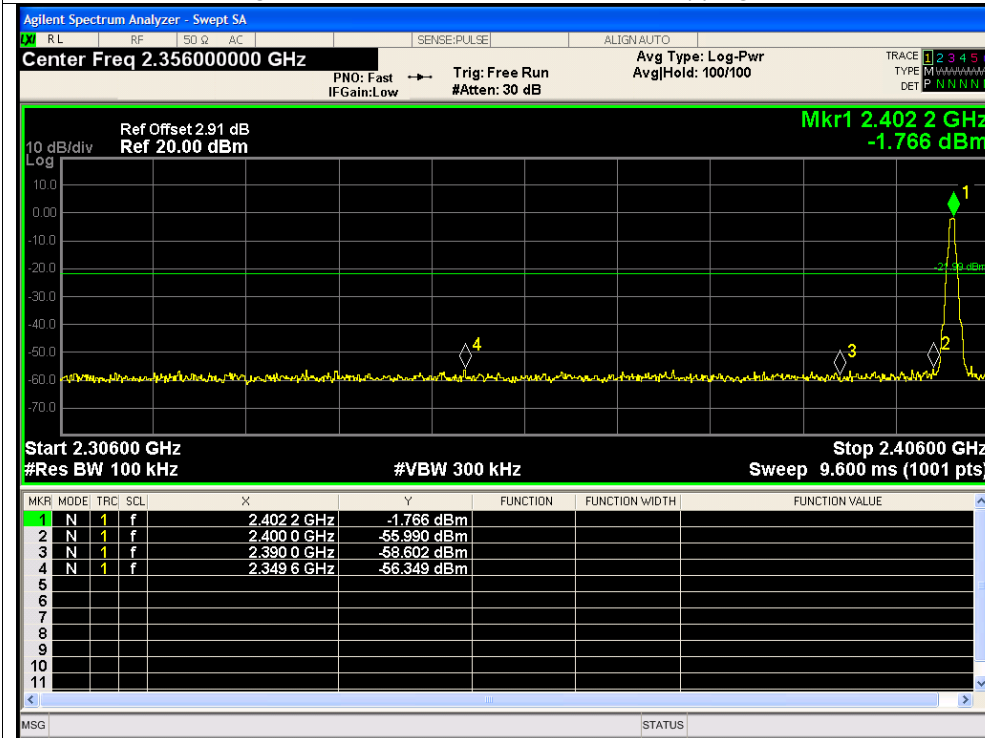
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value
NVNT	1-DH5	2402	Ant1	Hopping	-52.65
NVNT	1-DH5	2480	Ant1	Hopping	-41.57

Test Graphs

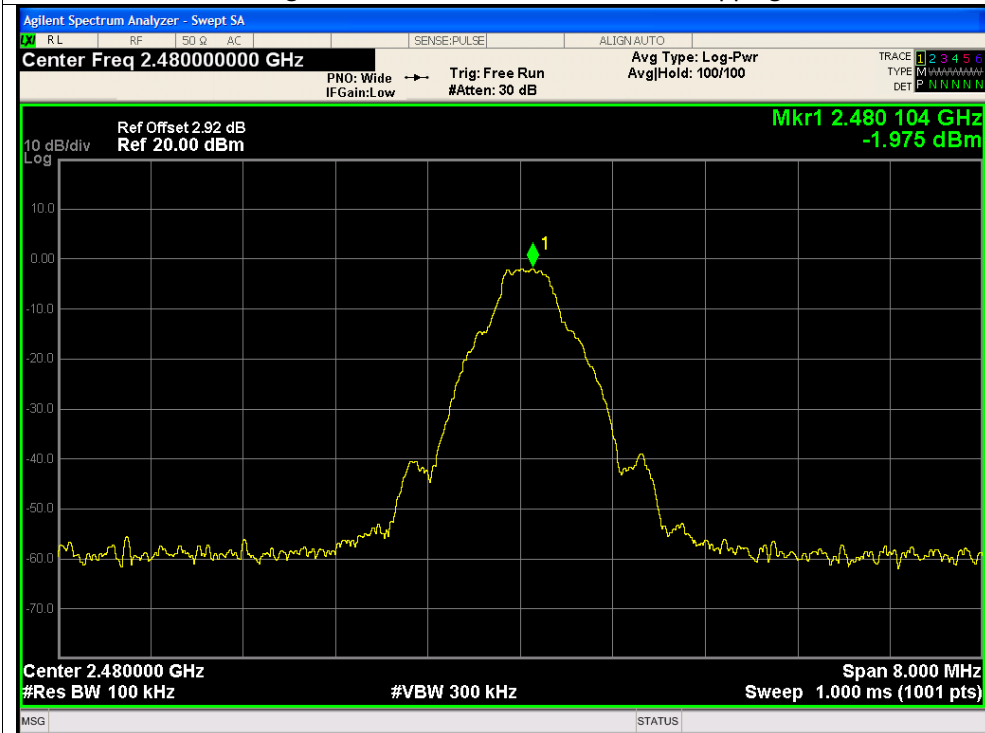
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



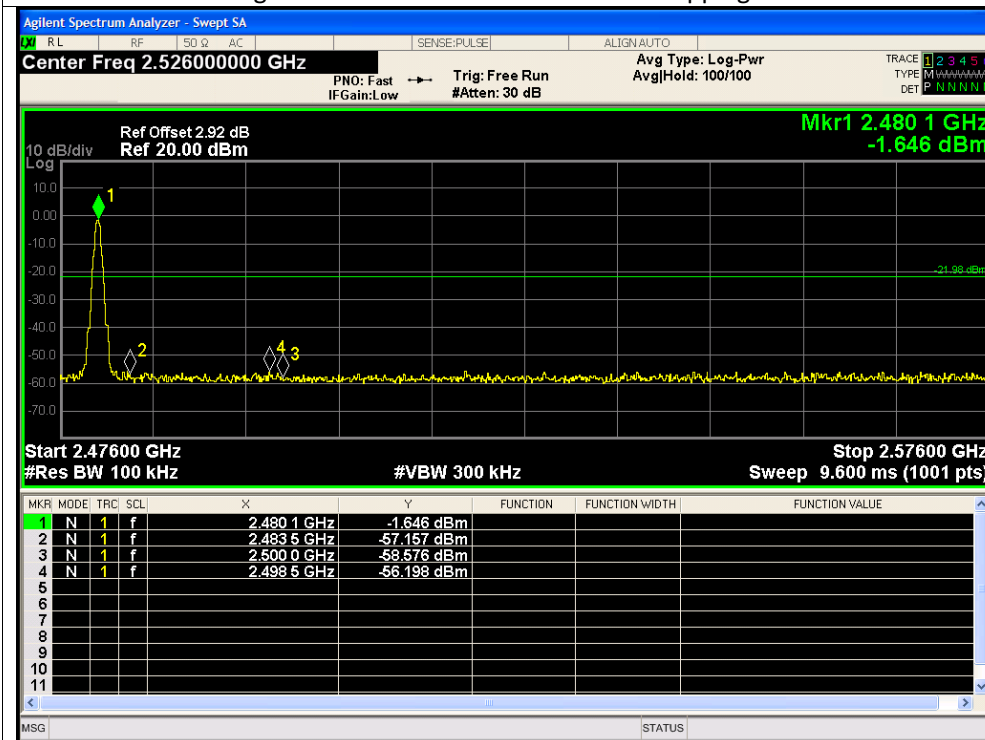
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



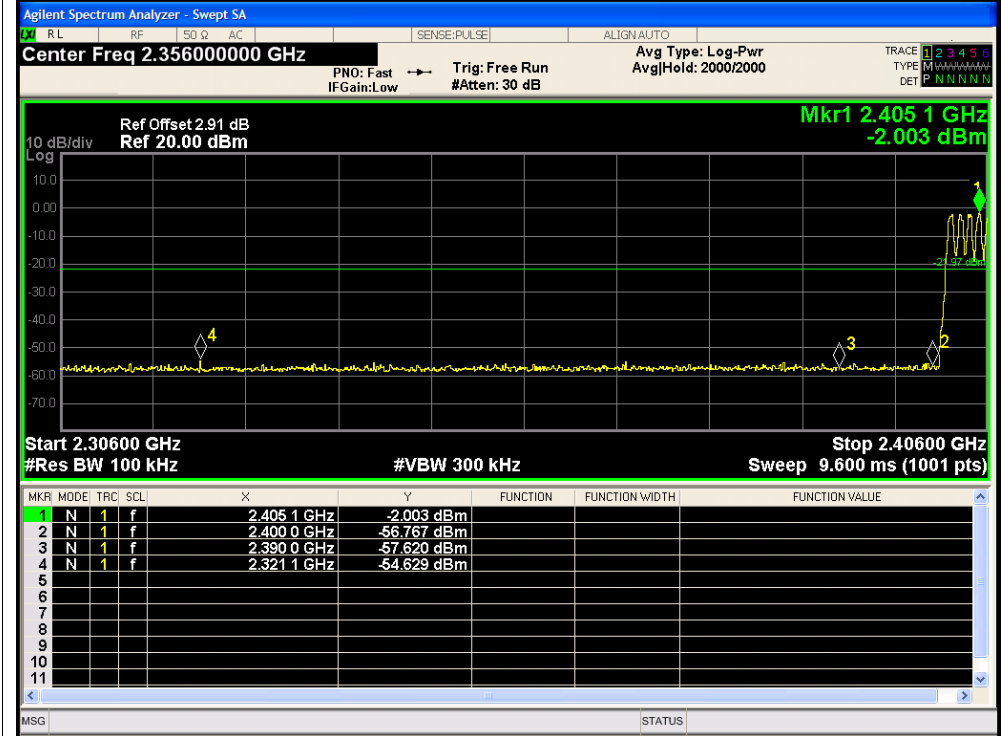
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



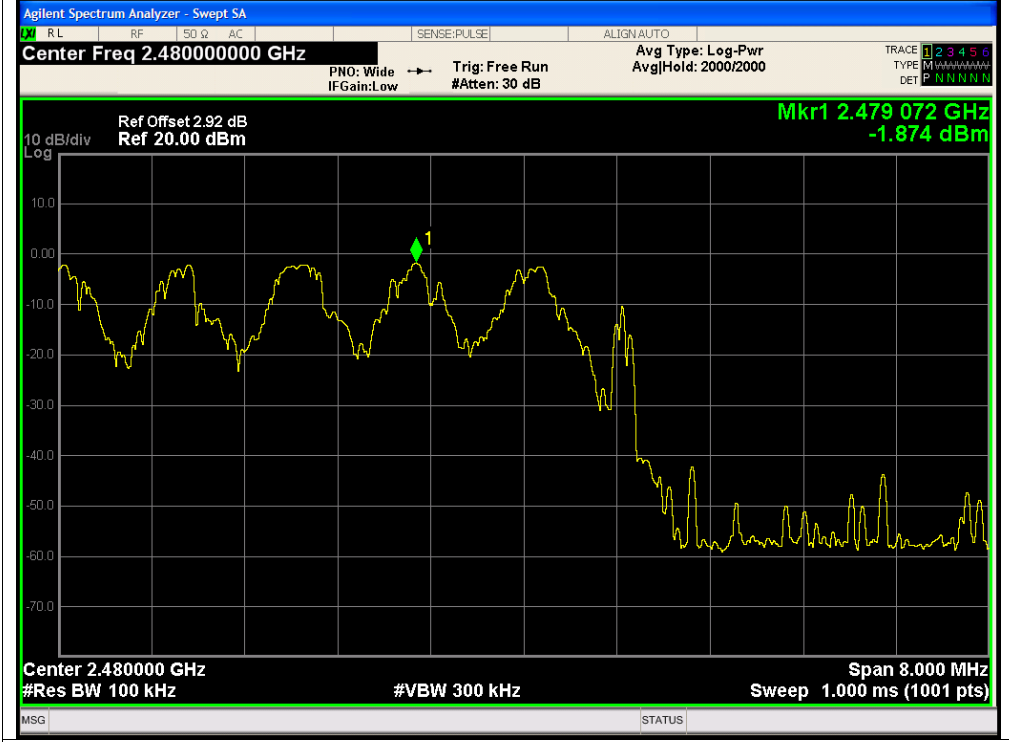
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



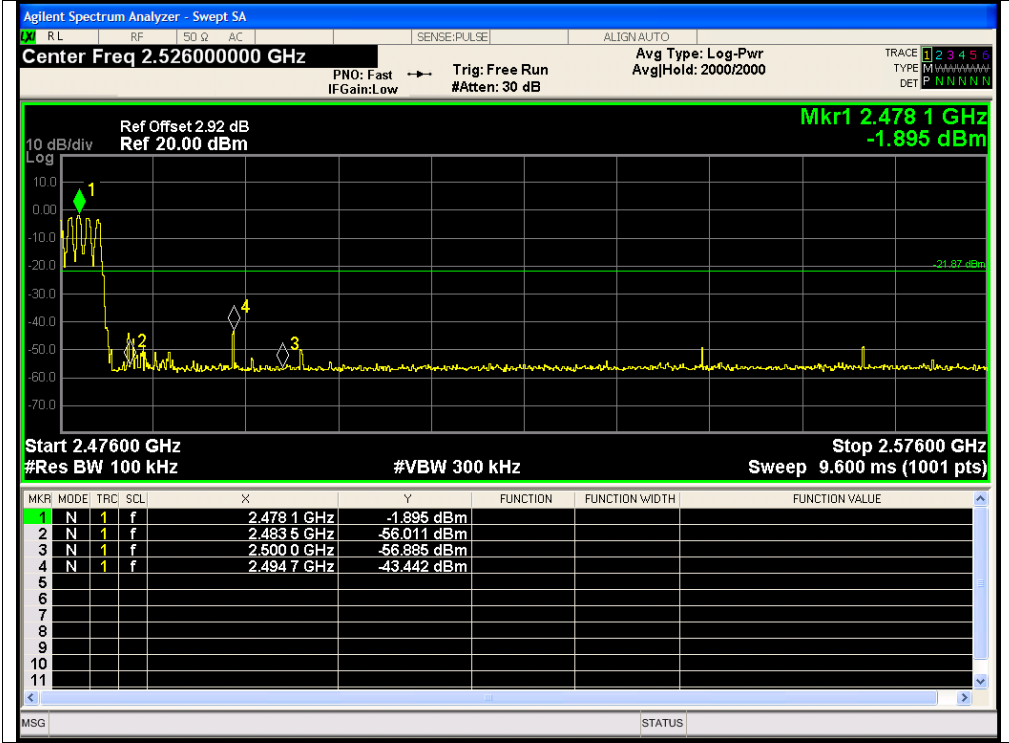
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



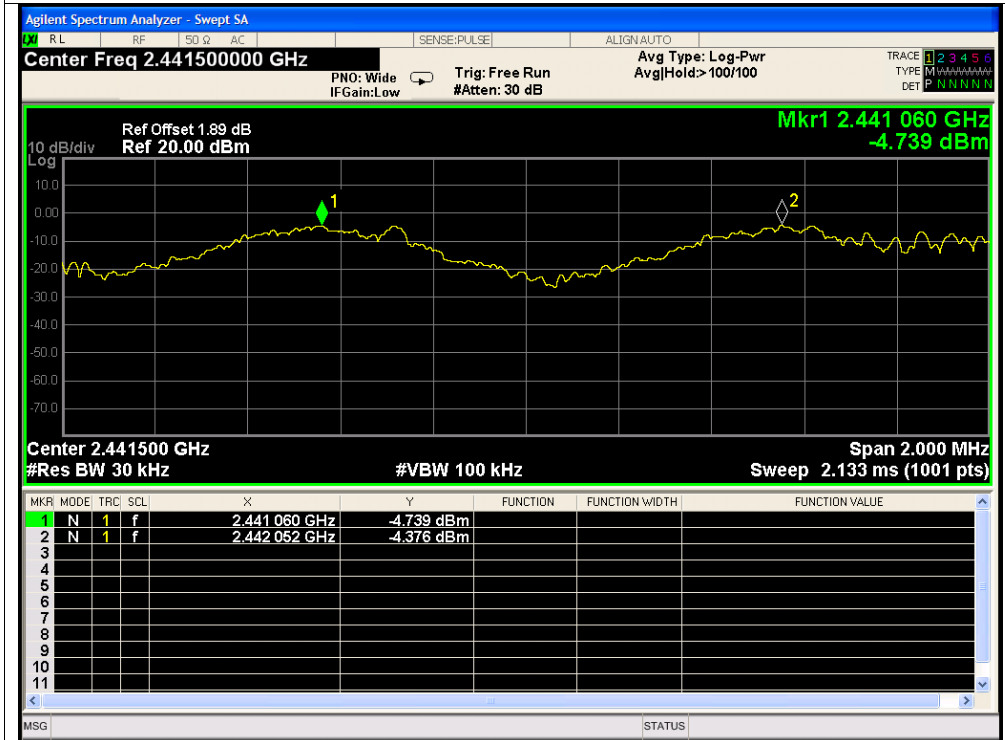
5. Carrier Frequencies Separation (Hopping)

Condition	Mode	Antenna	Channel Frequency (MHz)	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	Measurement Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402	2402.064	2403.05	0.986	0.665	Pass
NVNT	1-DH5	Ant1	2441	2441.06	2442.052	0.992	0.705	Pass
NVNT	1-DH5	Ant1	2480	2479.059	2480.067	1.008	0.689	Pass
NVNT	2-DH5	Ant1	2402	2402.008	2403.206	1.198	0.871	Pass
NVNT	2-DH5	Ant1	2441	2441.022	2442.091	1.069	0.875	Pass
NVNT	2-DH5	Ant1	2480	2479.178	2480.206	1.028	0.868	Pass
NVNT	3-DH5	Ant1	2402	2402.005	2403.054	1.049	0.871	Pass
NVNT	3-DH5	Ant1	2441	2441.087	2442.011	0.924	0.855	Pass
NVNT	3-DH5	Ant1	2480	2479.078	2479.916	1.096	0.862	Pass

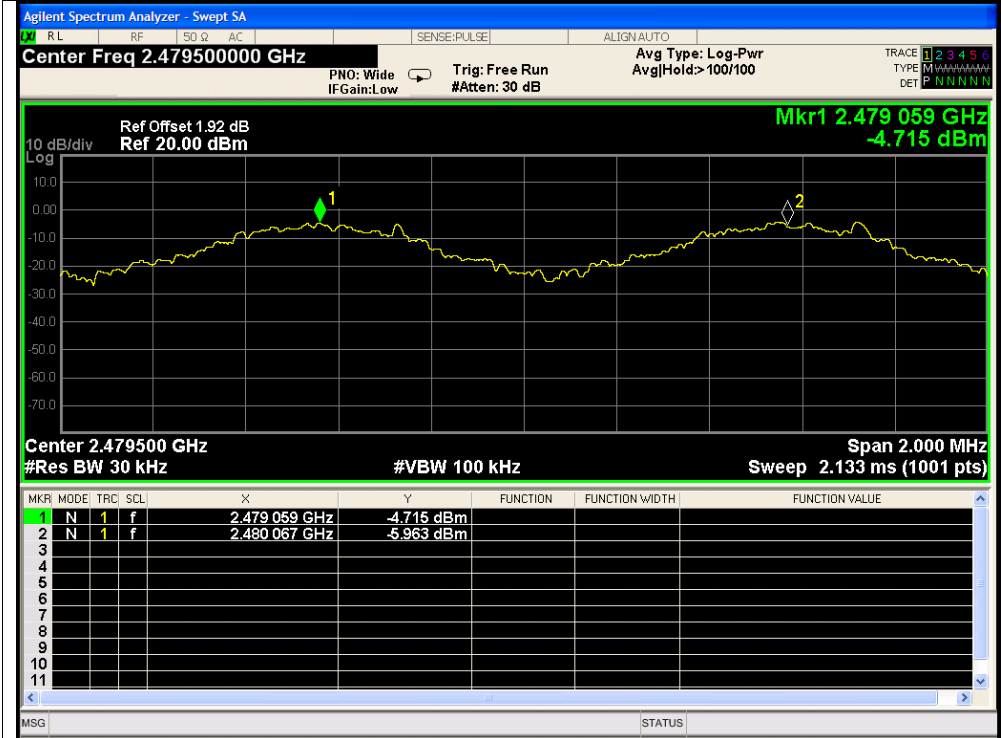
Note: Limit = 20dB bandwidth * 2/3



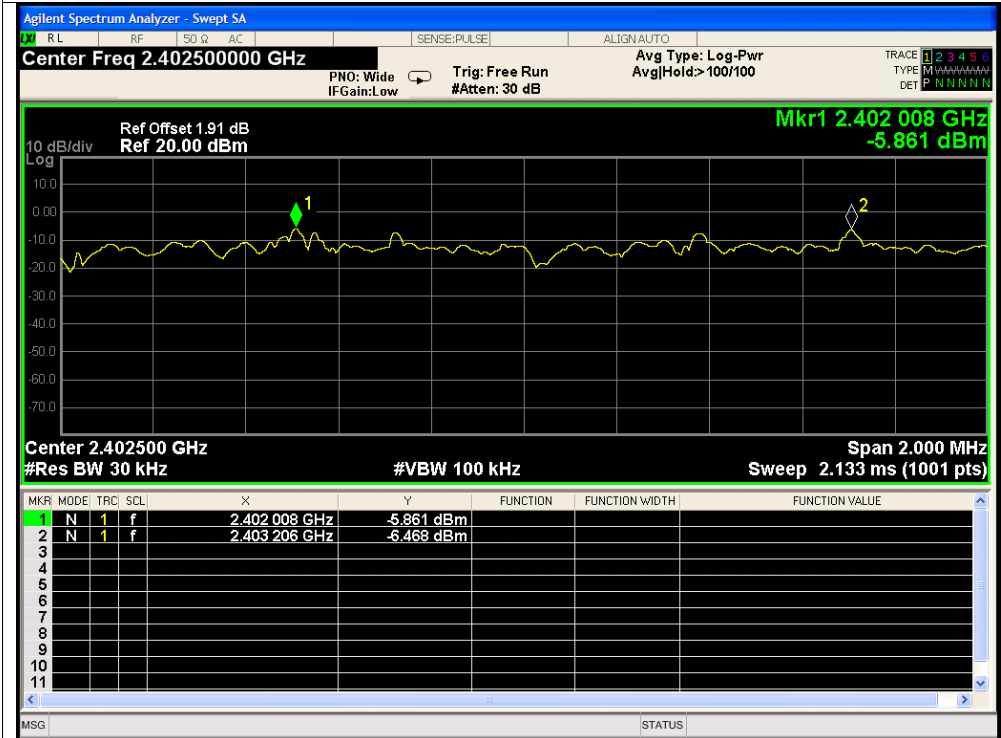
CFS NVNT 1-DH5 2441MHz Ant1



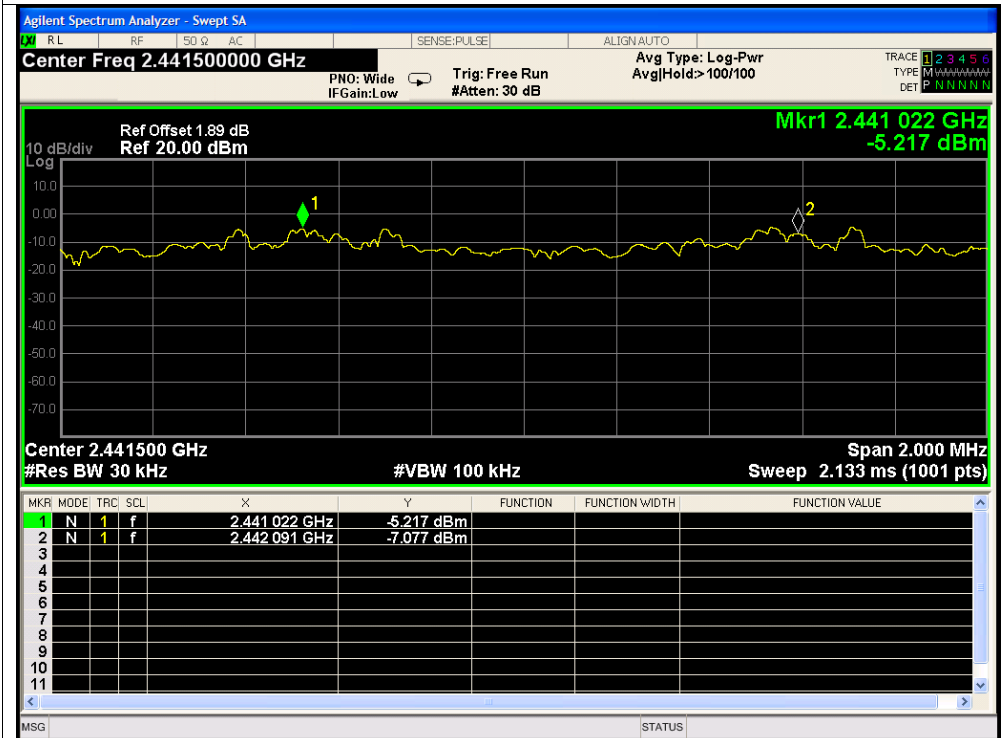
CFS NVNT 1-DH5 2480MHz Ant1



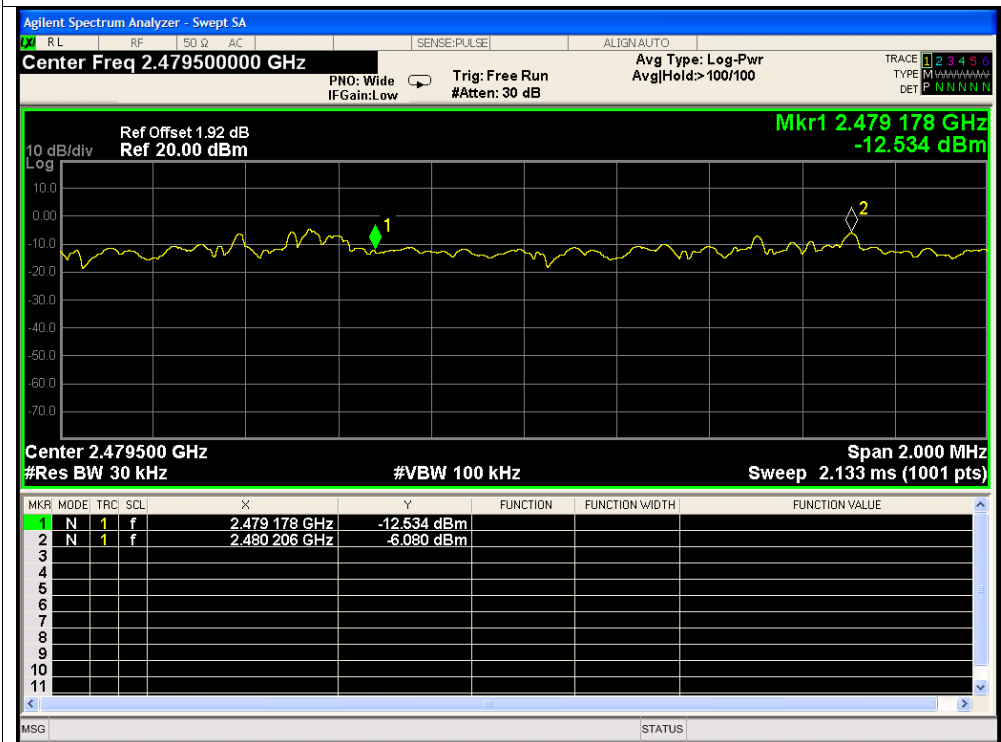
CFS NVNT 2-DH5 2402MHz Ant1



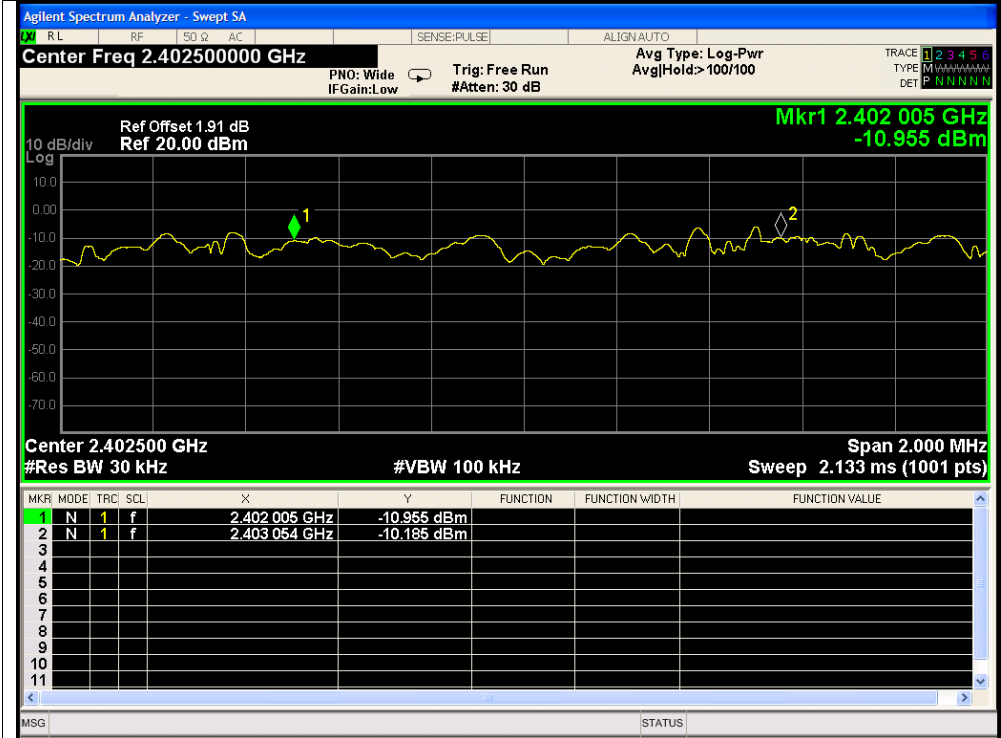
CFS NVNT 2-DH5 2441MHz Ant1



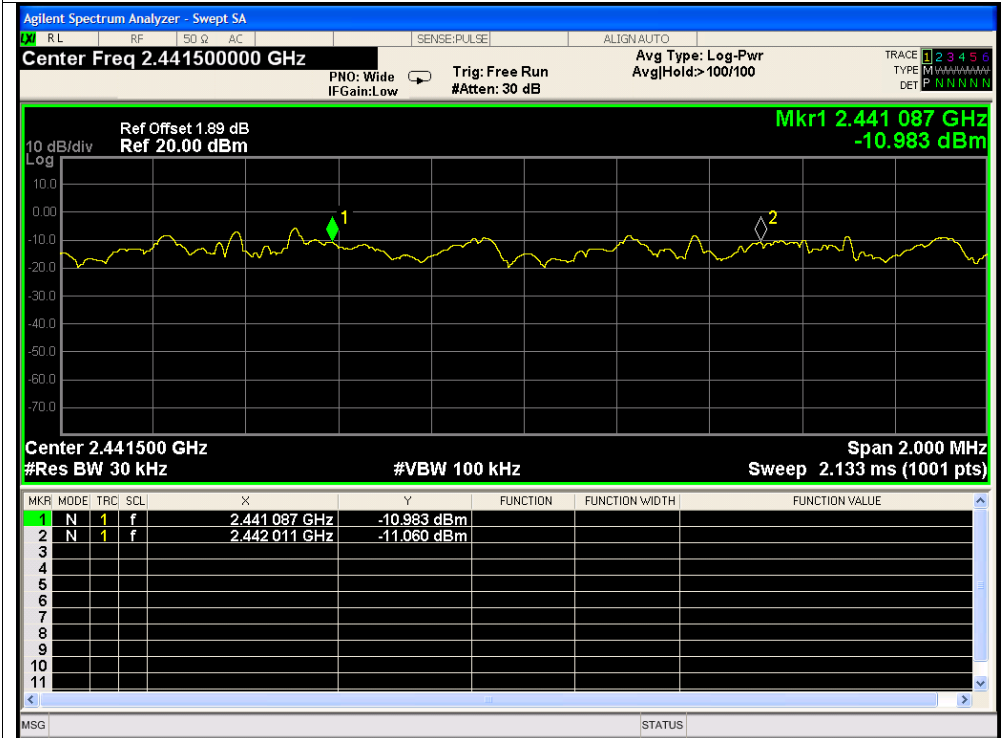
CFS NVNT 2-DH5 2480MHz Ant1



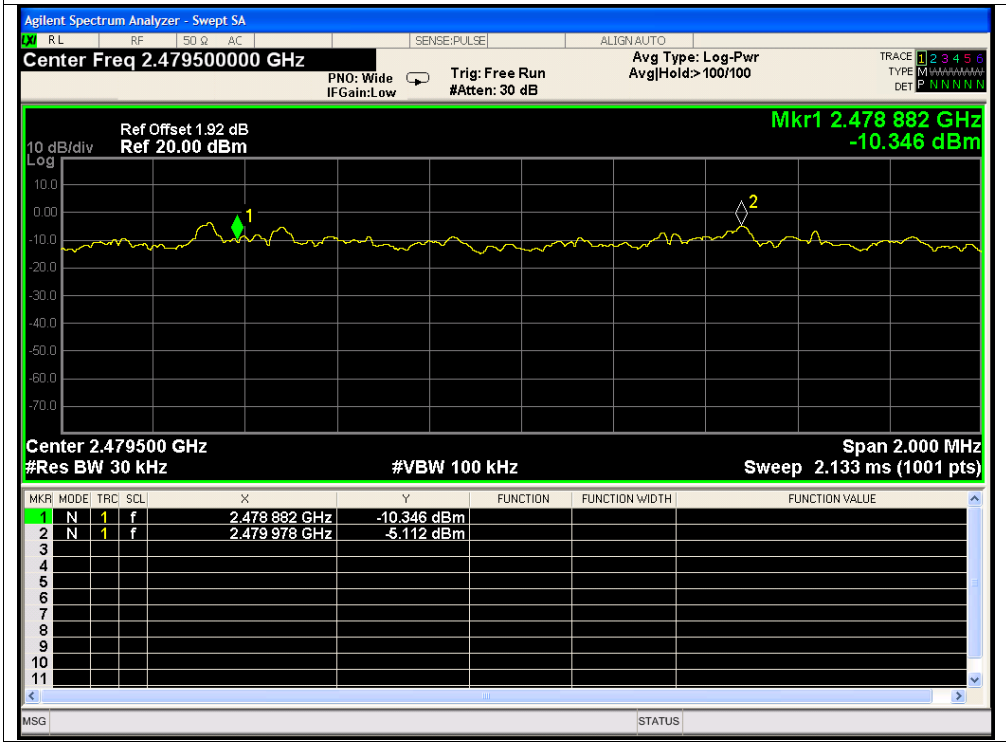
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

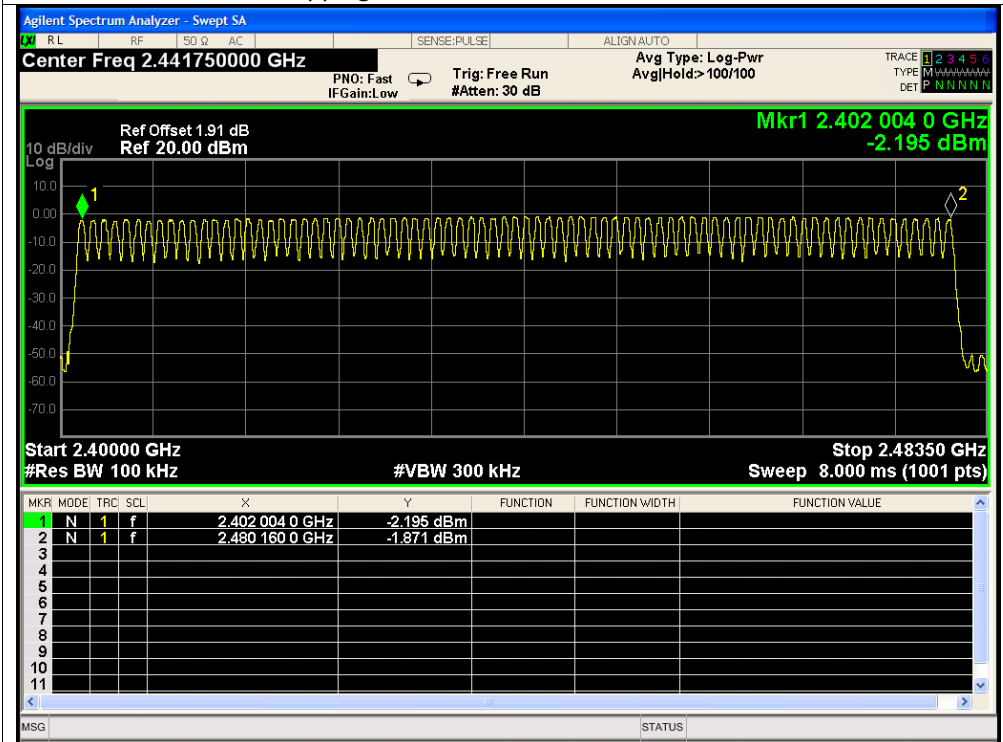


6. Number of Hopping Channel (Hopping)

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

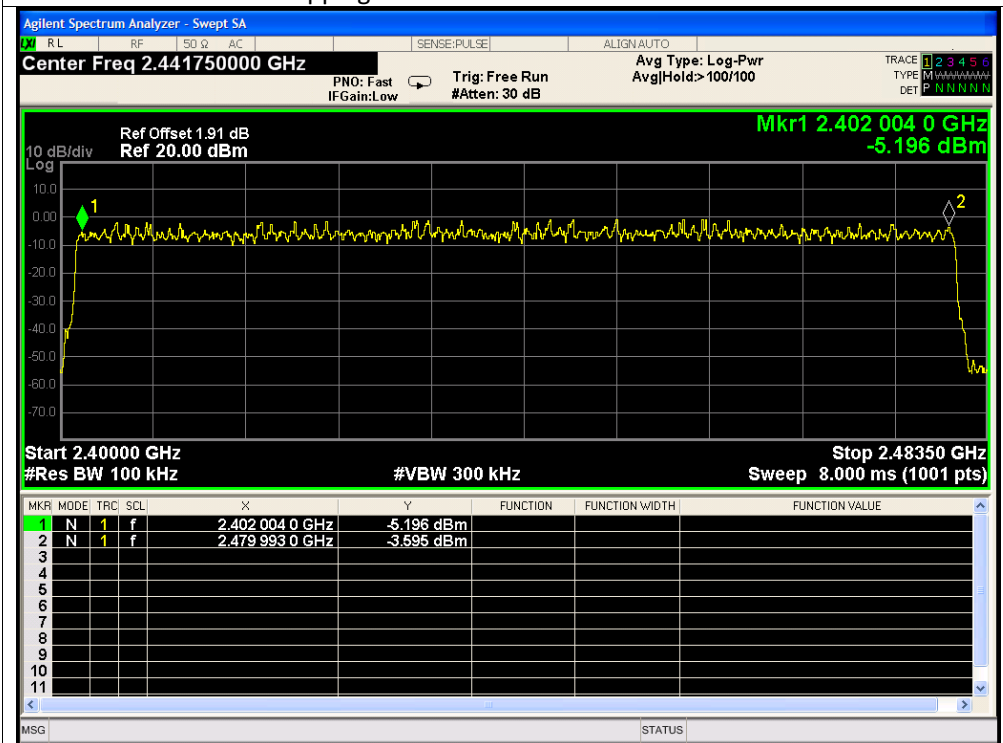
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



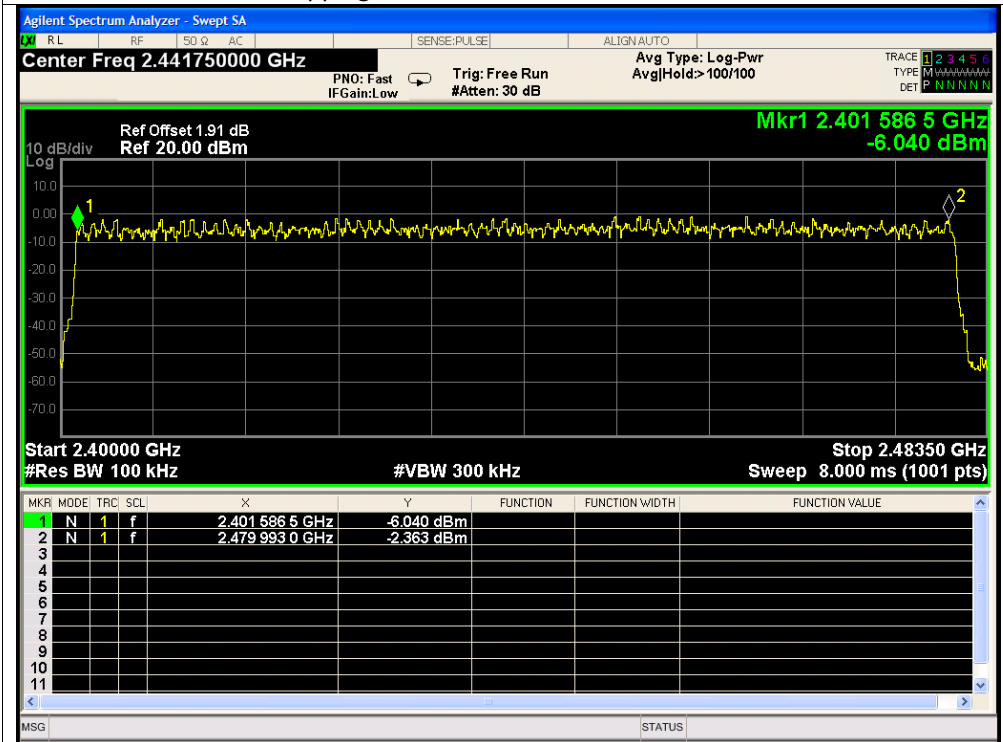
Test Graphs

Hopping No. NVNT 2-DH5 2402MHz Ant1



Test Graphs

Hopping No. NVNT 3-DH5 2402MHz Ant1



7. Dwell Time (Hopping)

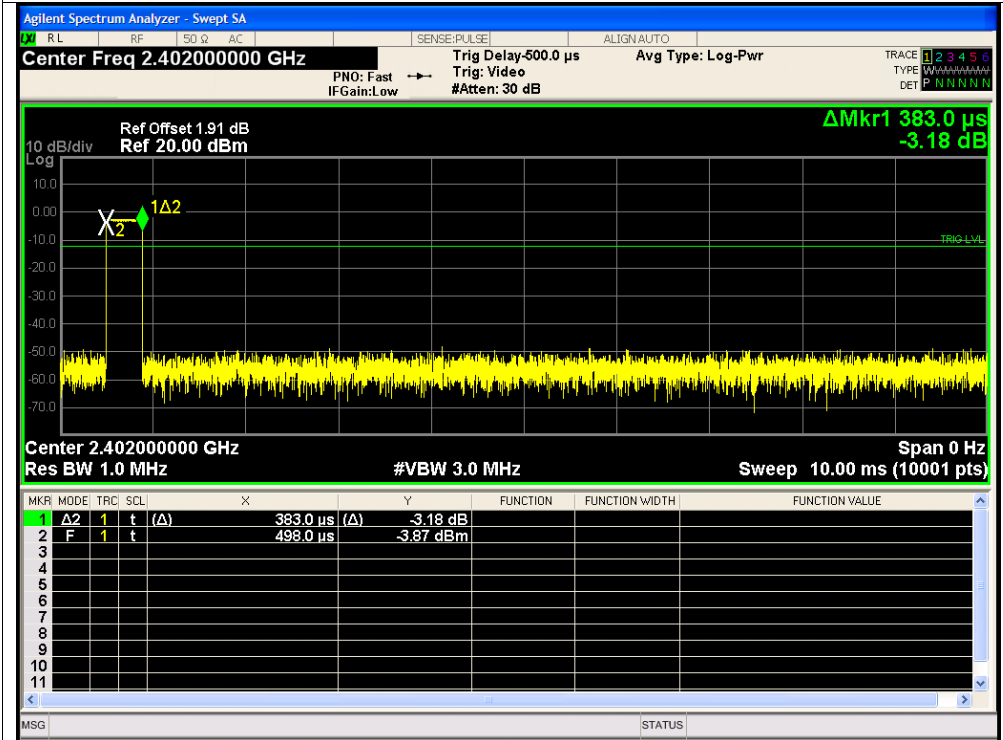
All the modes have tested and recorded the worst mode(GFSK) in the report

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Dwell Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.383	122.560	400	Pass
NVNT	1-DH3	2402	Ant1	1.639	262.240	400	Pass
NVNT	1-DH5	2402	Ant1	1.834	195.627	400	Pass

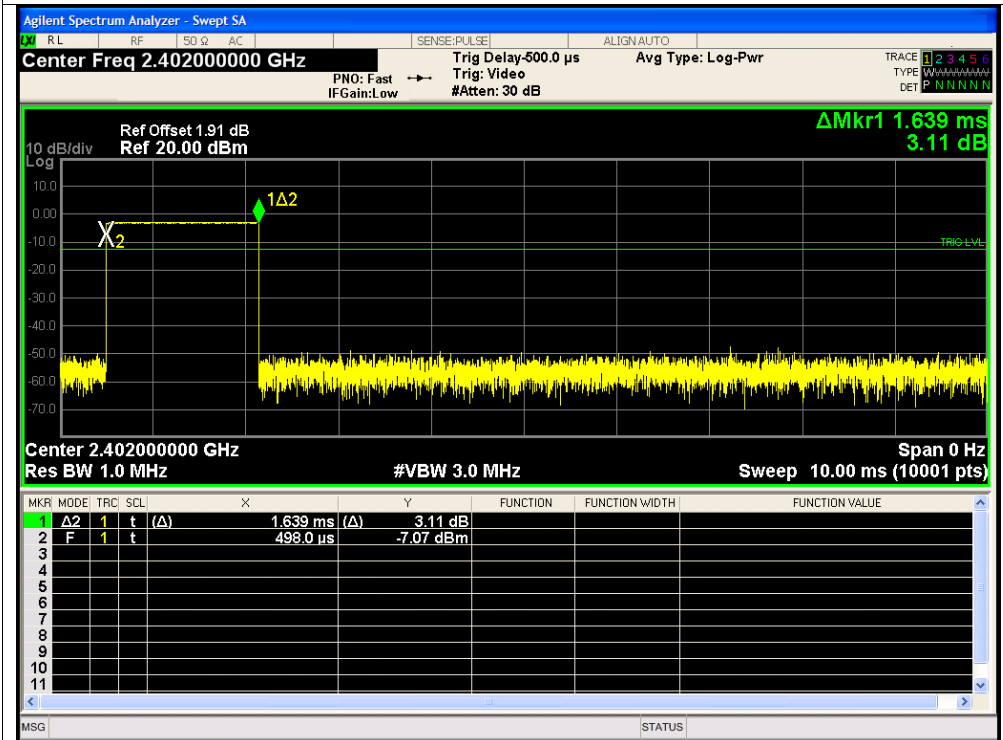
Note:
Dwell Time(DH1)=PW*(1600/2/79)*31.6
Dwell Time(DH3)=PW*(1600/4/79)*31.6
Dwell Time(DH5)=PW*(1600/6/79)*31.6

Test Graphs

Dwell NVNT 1-DH1 2402MHz Ant1 One Burst



Dwell NVNT 1-DH1 2402MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

