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FCC ID: 2A7KW-HS02

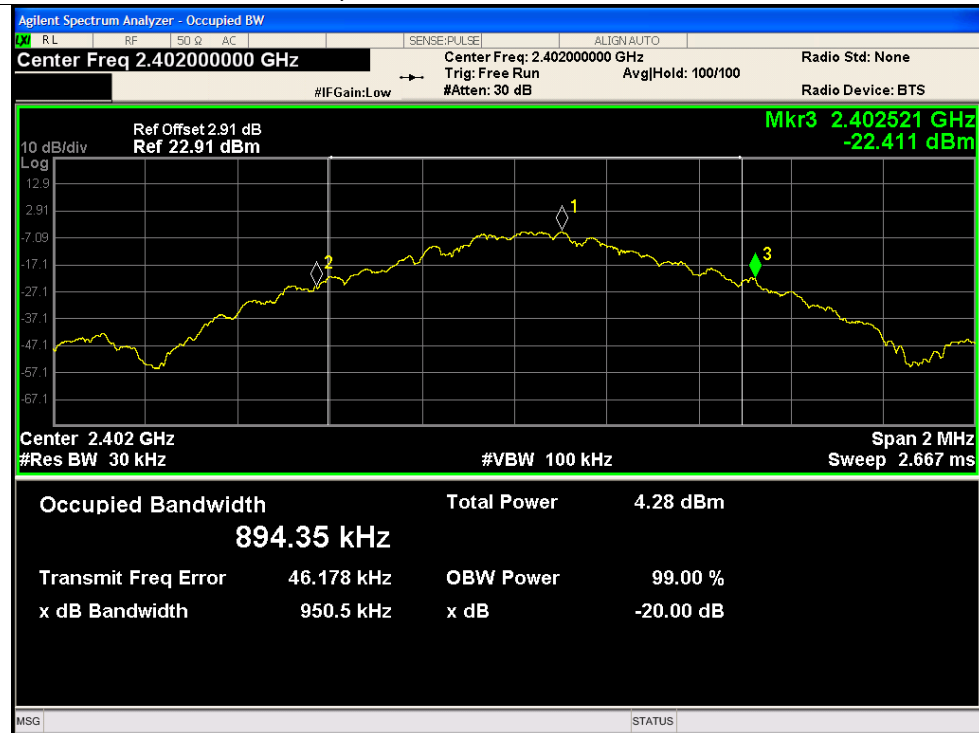
BT Test Data

1. -20dB Bandwidth and 99% Occupied Bandwidth

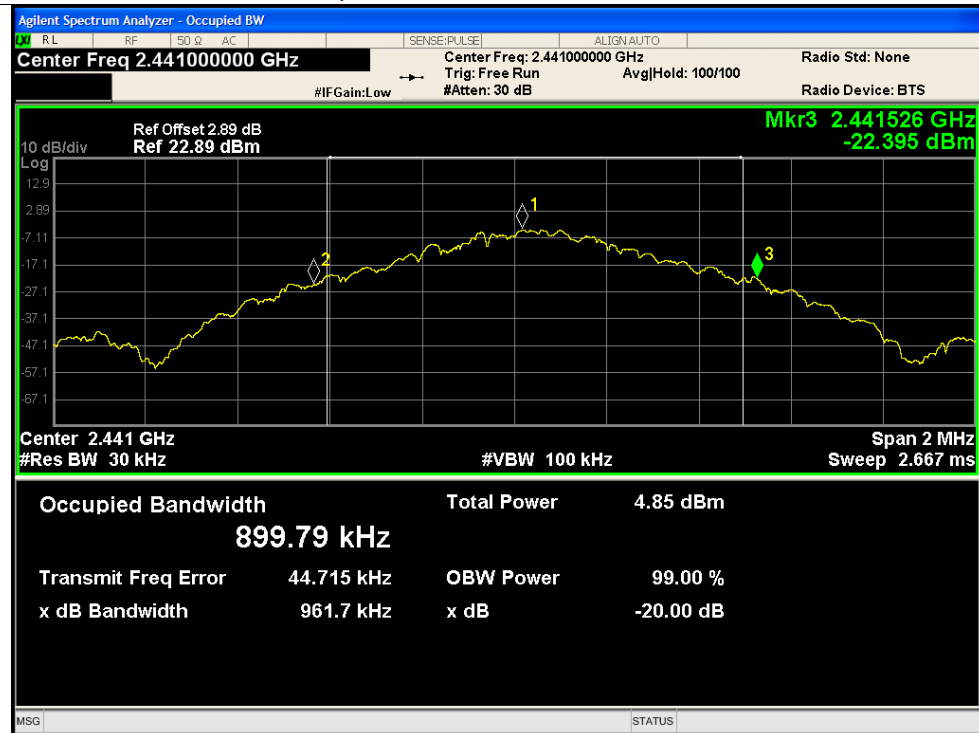
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.950	0.895	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.962	0.900	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.961	0.897	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.362	1.200	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.367	1.200	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.366	1.195	N/A	Pass

Test Graphs

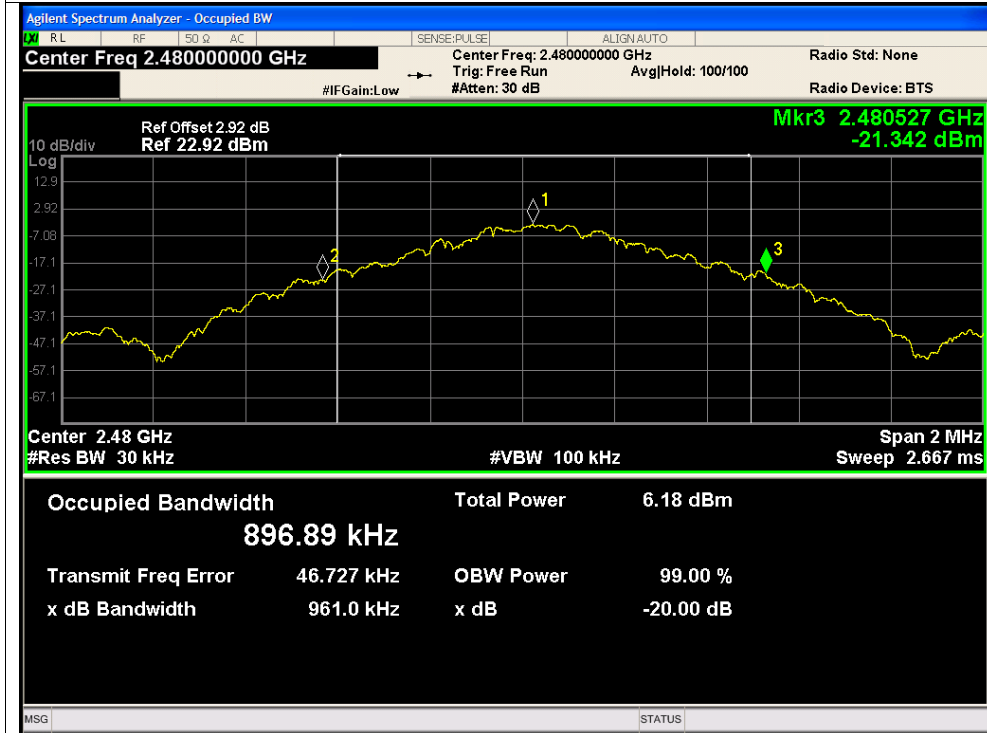
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2402MHz Ant1



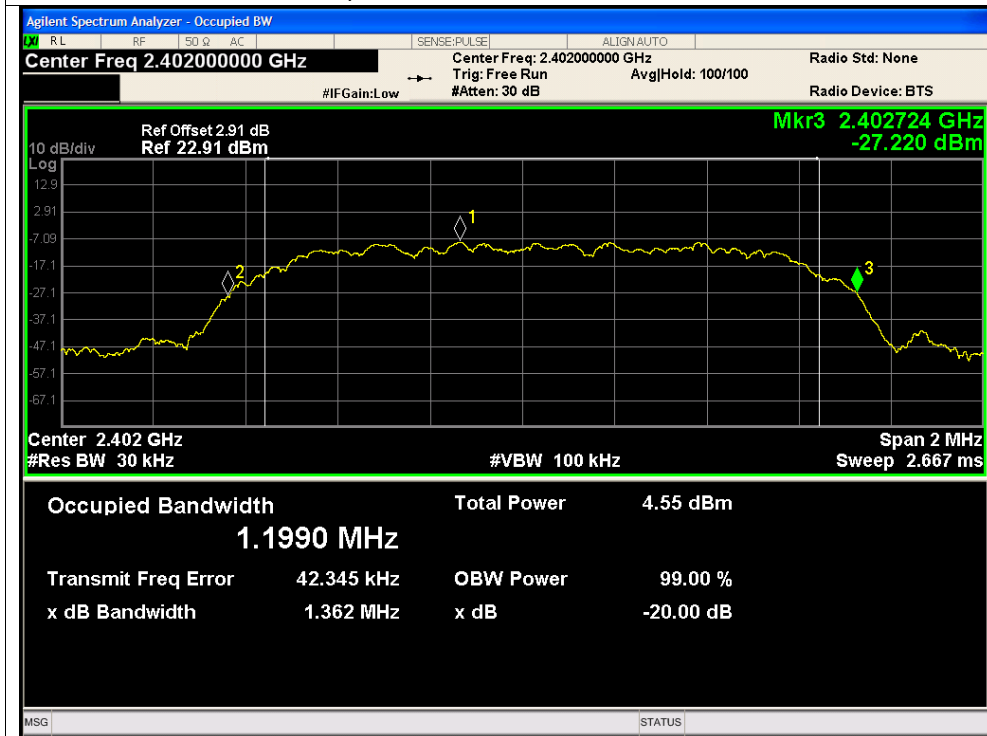
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2441MHz Ant1



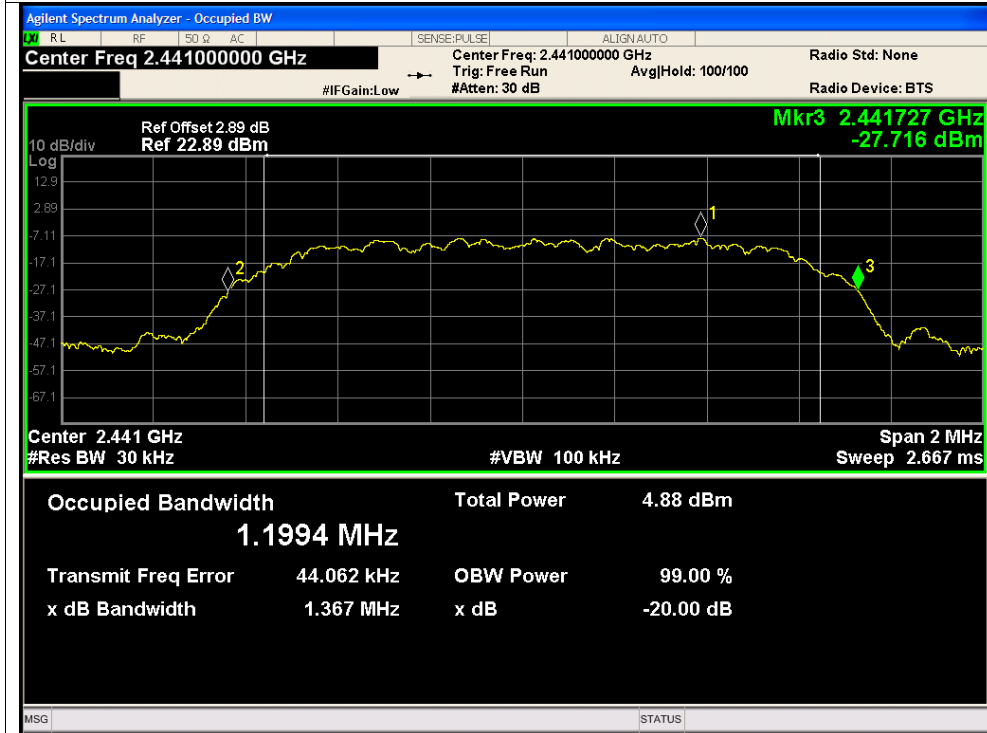
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2480MHz Ant1



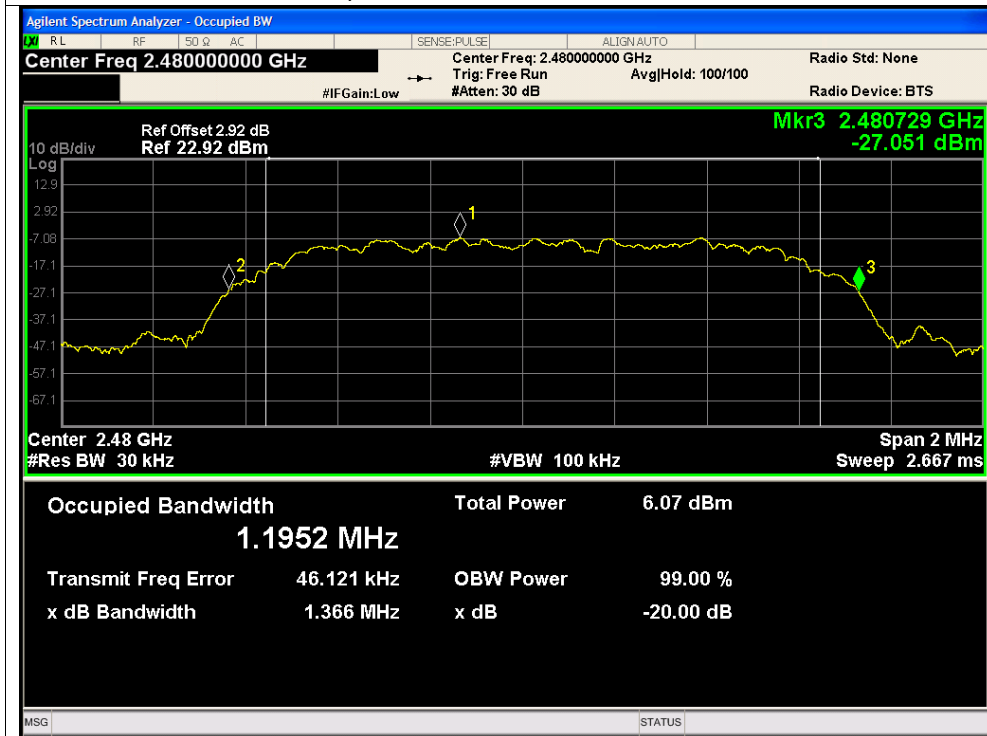
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2402MHz Ant1



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



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

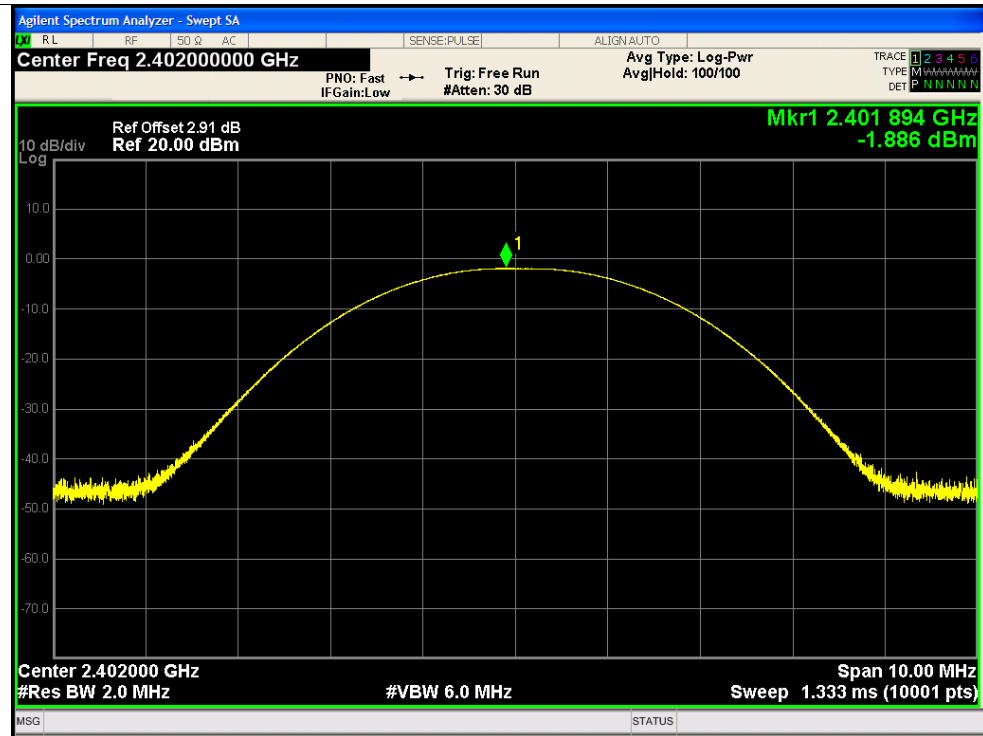


2. Peak Output Power

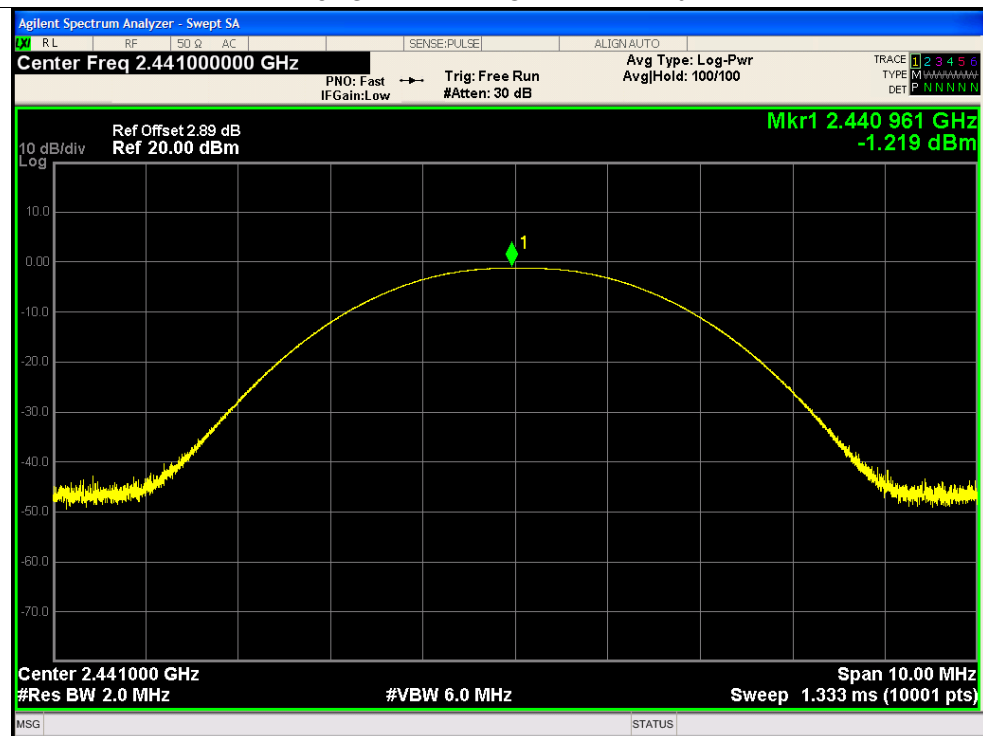
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.89	21	Pass
NVNT	1-DH5	2441	Ant1	-1.22	21	Pass
NVNT	1-DH5	2480	Ant1	0.07	21	Pass
NVNT	2-DH5	2402	Ant1	0.61	21	Pass
NVNT	2-DH5	2441	Ant1	0.97	21	Pass
NVNT	2-DH5	2480	Ant1	2.14	21	Pass

Test Graphs

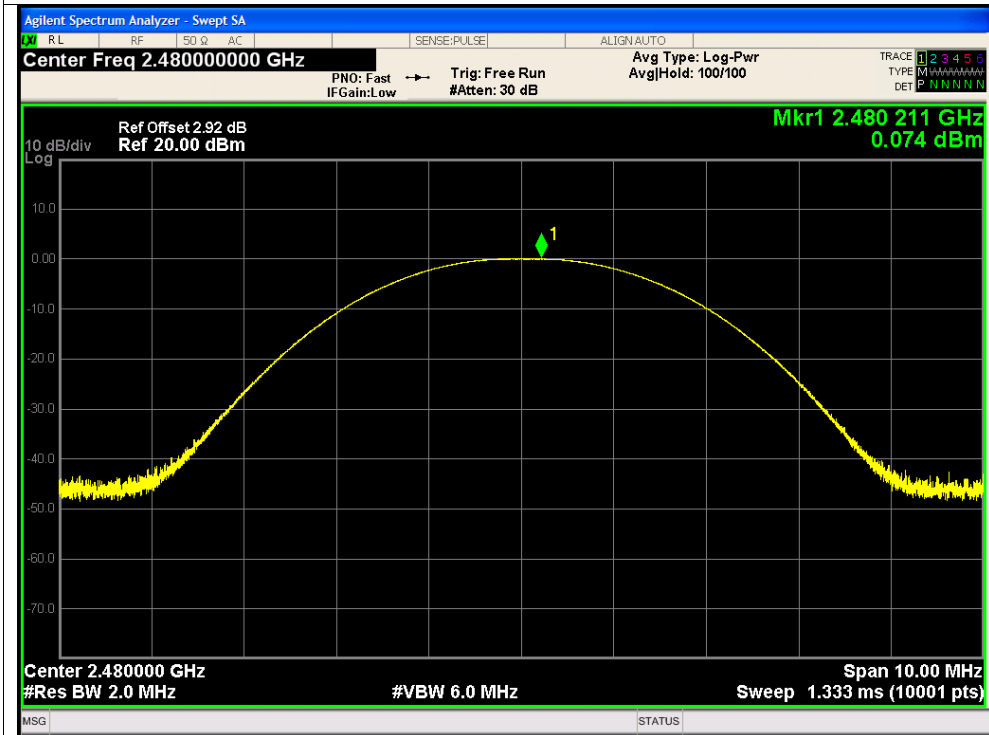
Power NVNT 1-DH5 2402MHz Ant1



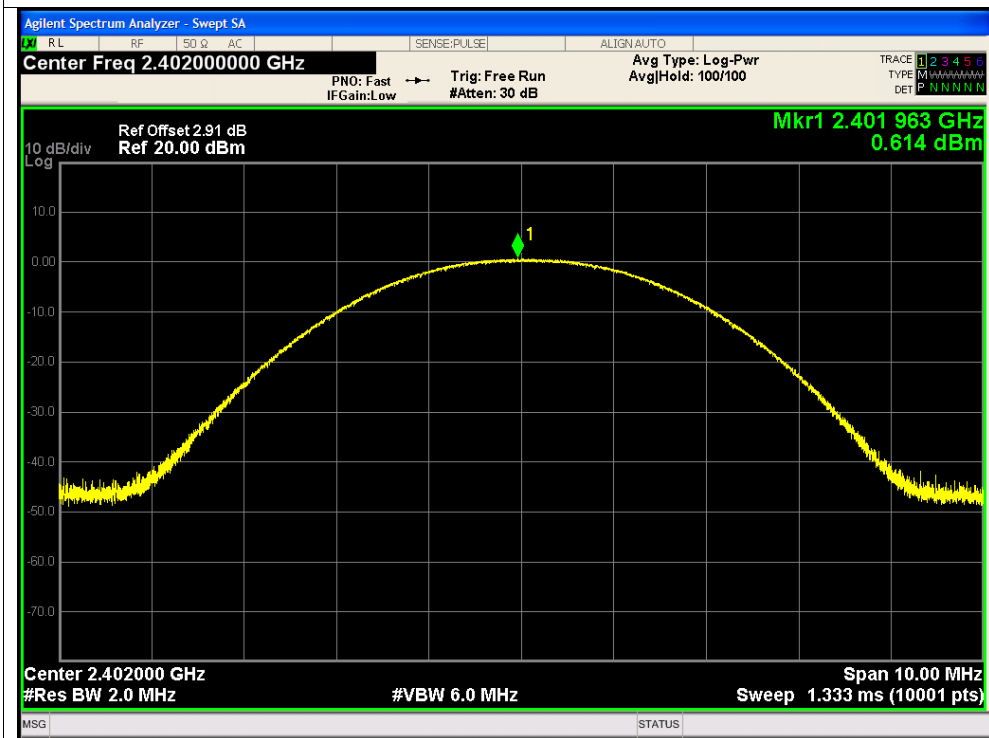
Power NVNT 1-DH5 2441MHz Ant1



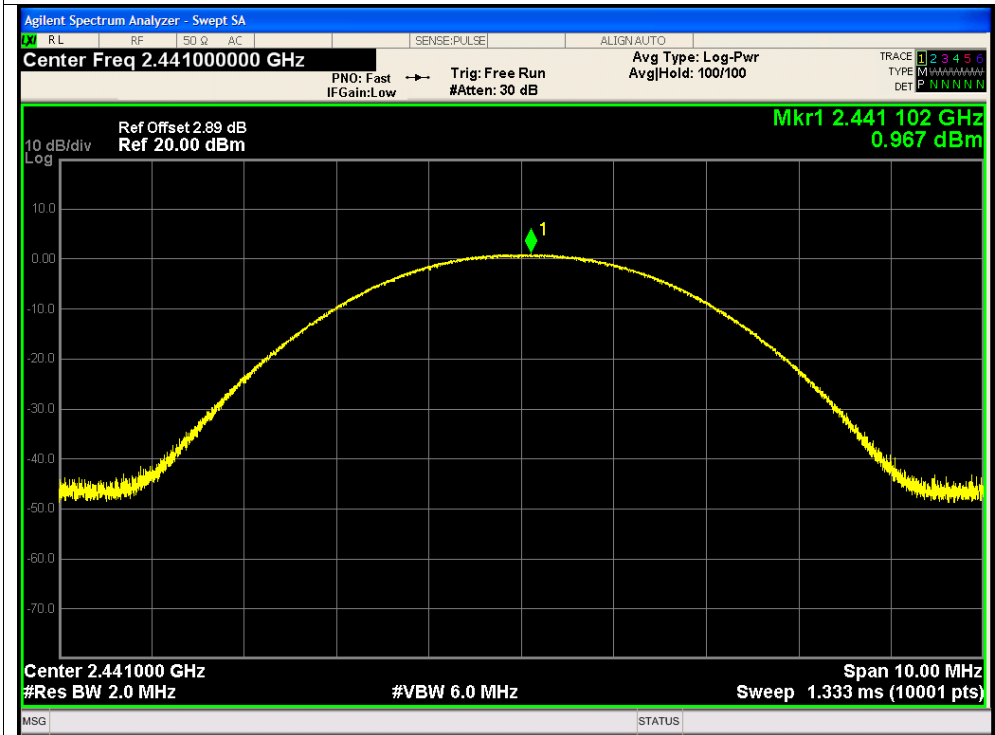
Power NVNT 1-DH5 2480MHz Ant1



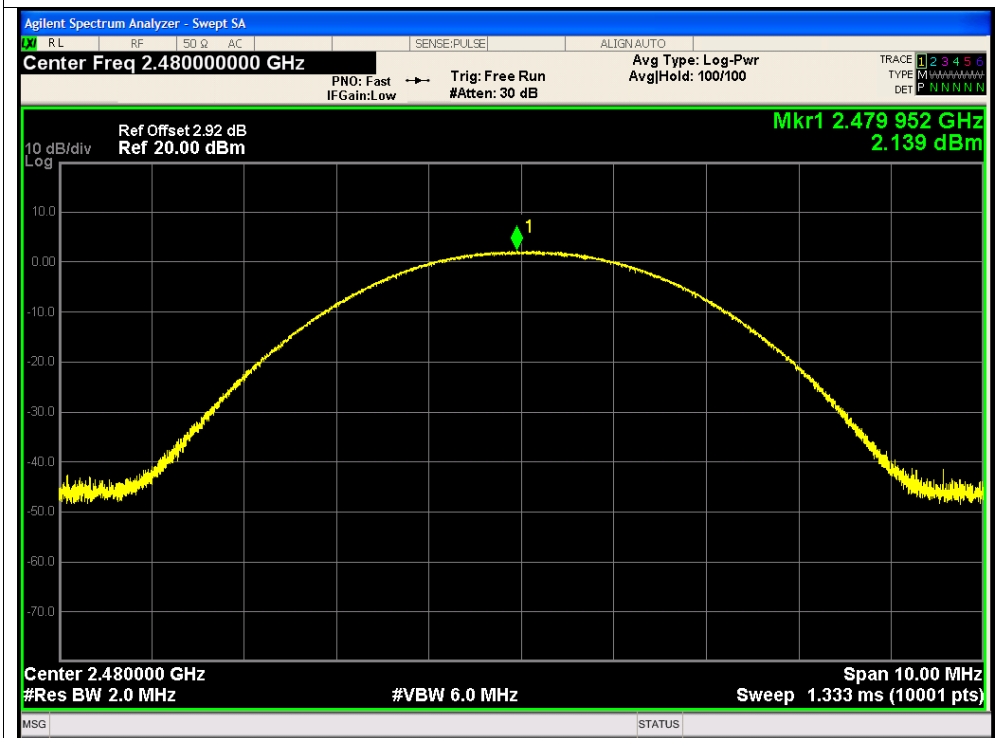
Power NVNT 2-DH5 2402MHz Ant1



Power NVNT 2-DH5 2441MHz Ant1

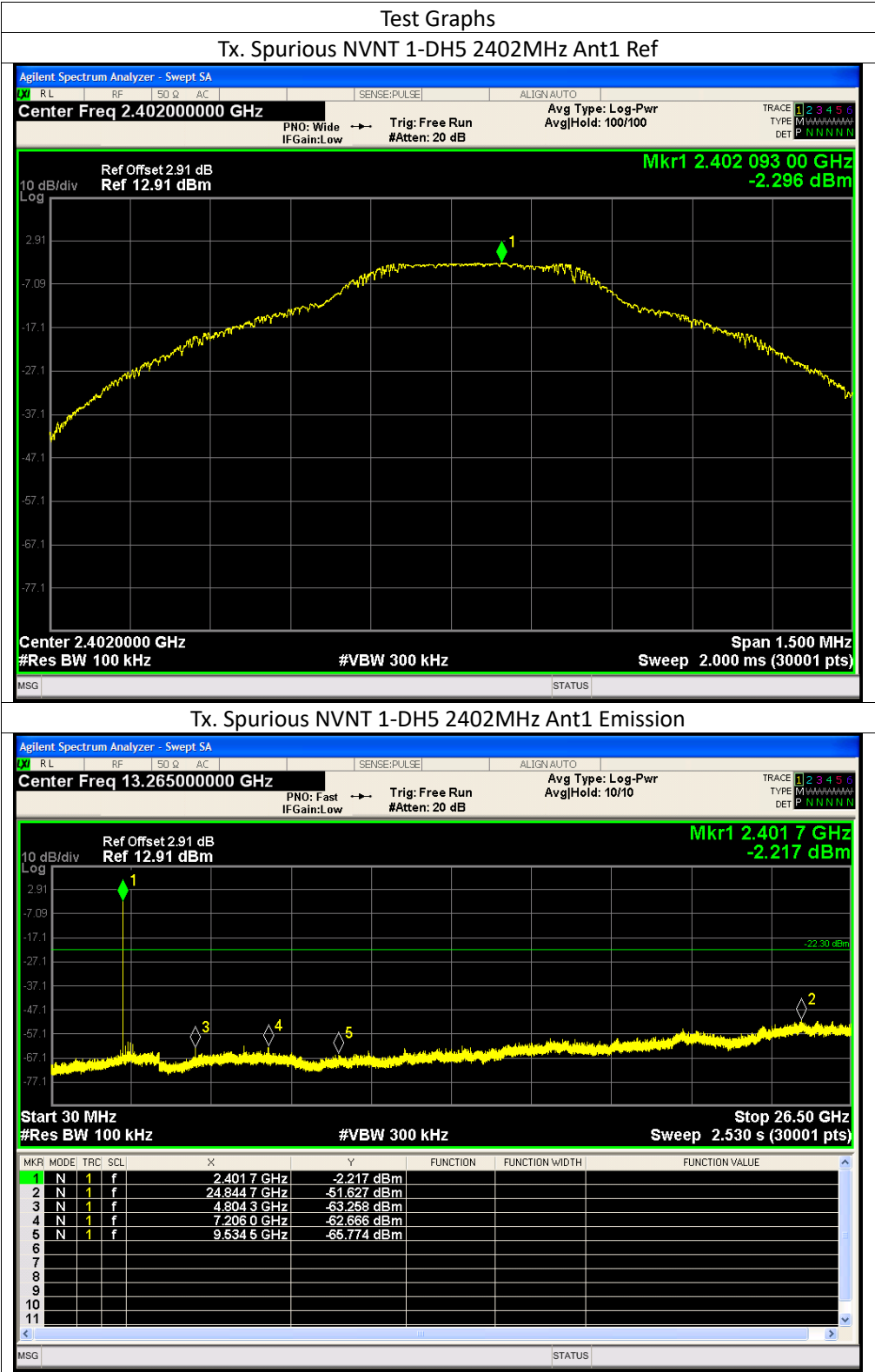


Power NVNT 2-DH5 2480MHz Ant1

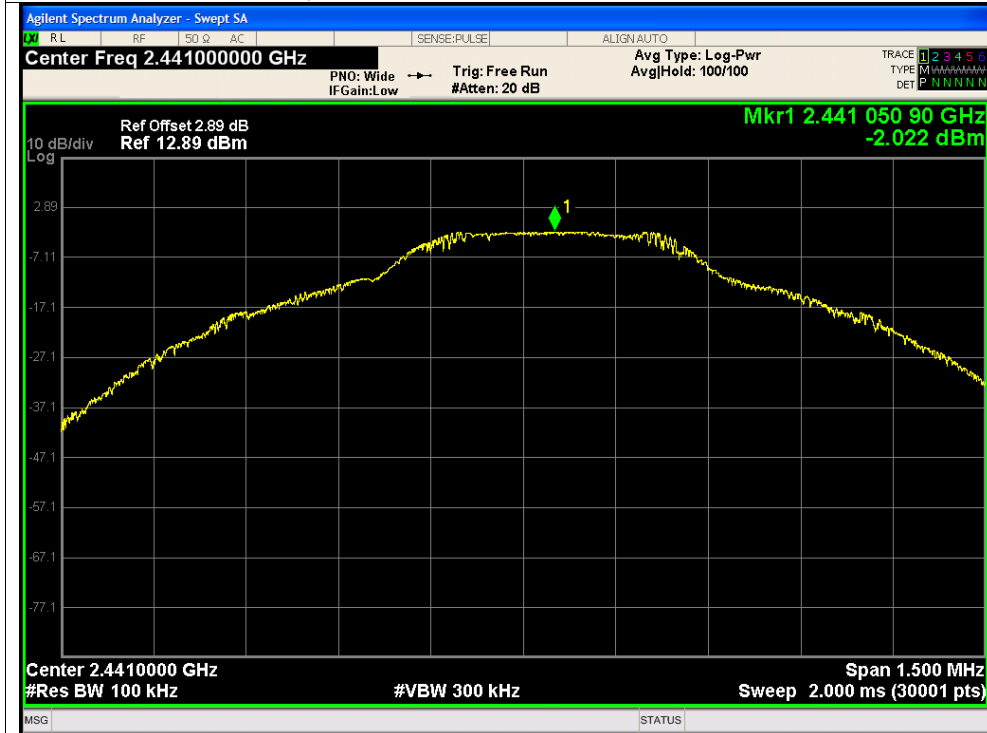


3. Spurious Emissions

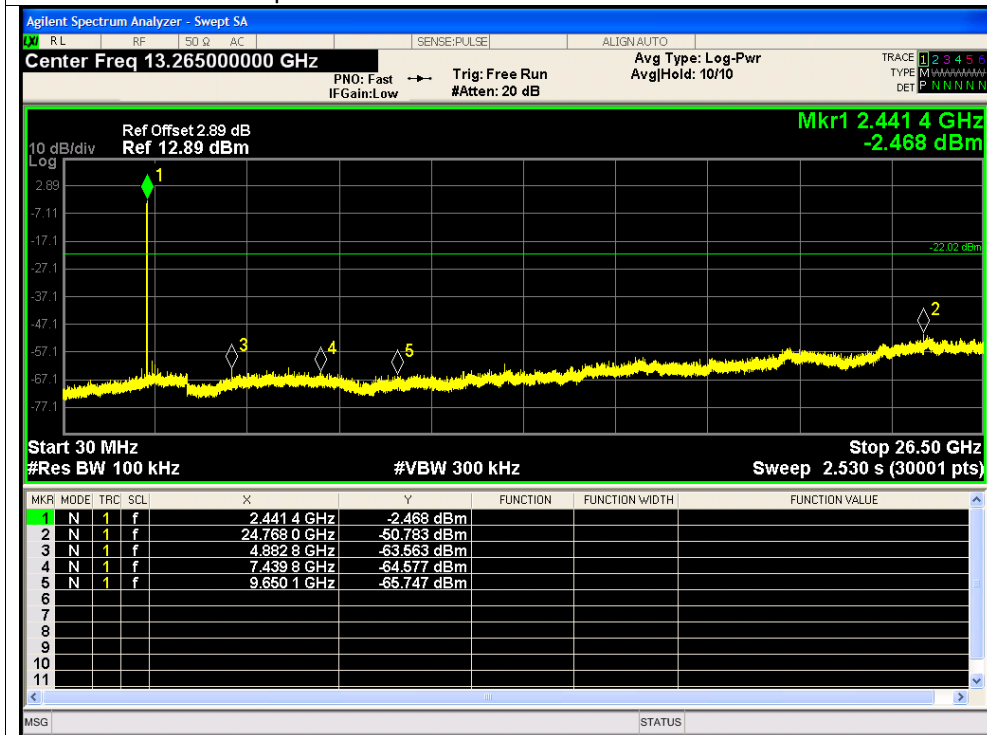
All the modes have tested and recorded the worst mode(GFSK) in the report



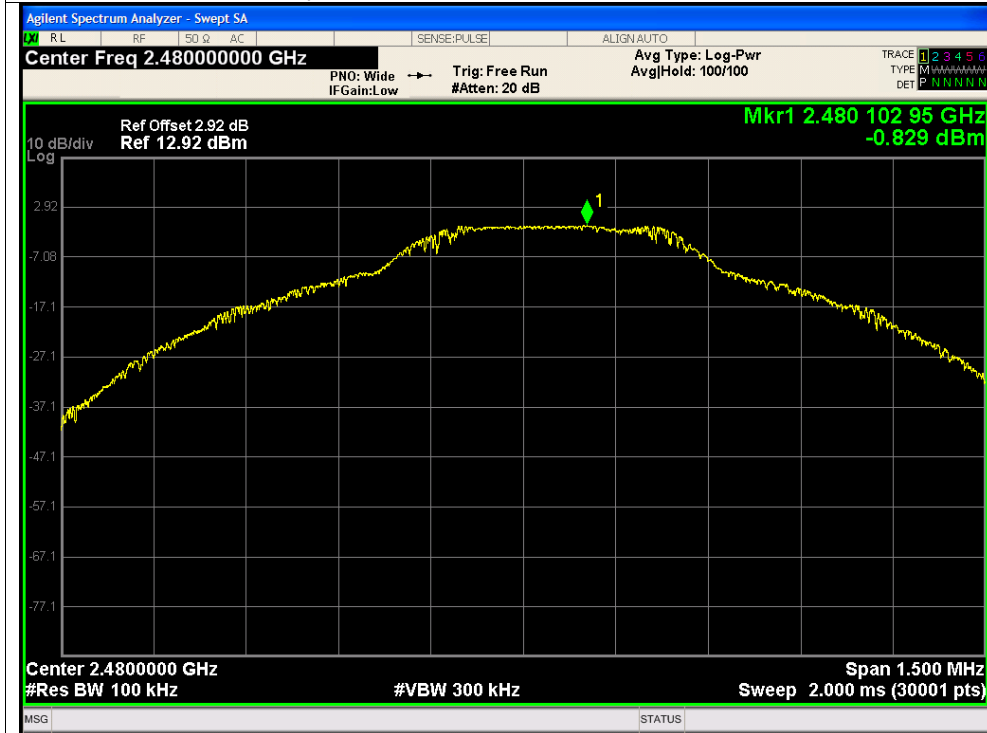
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



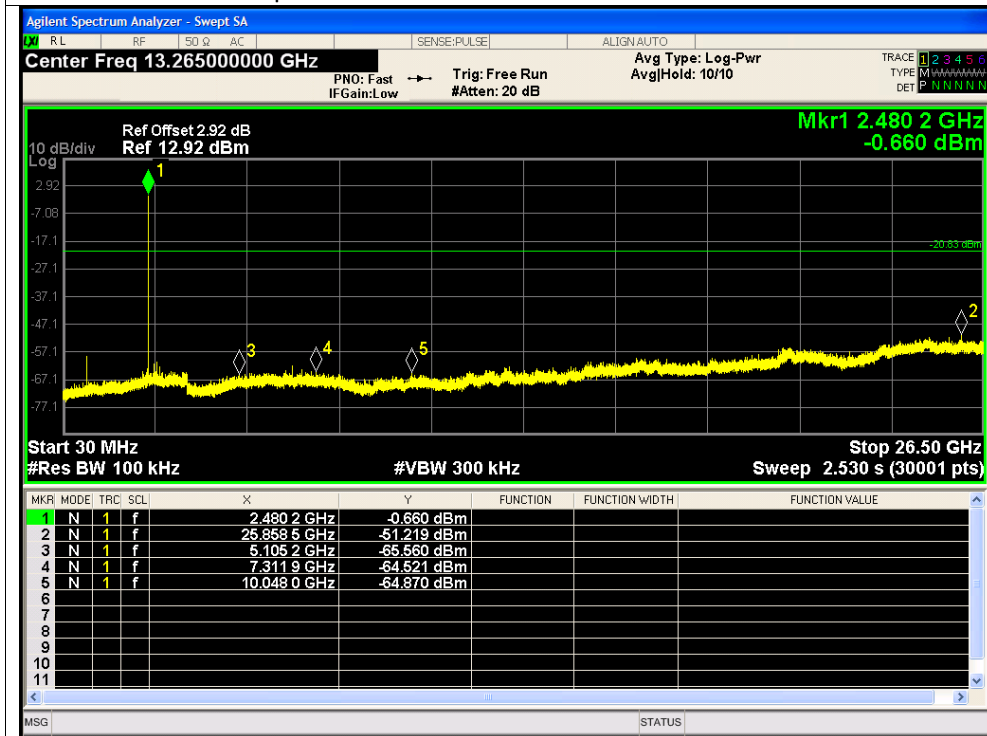
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

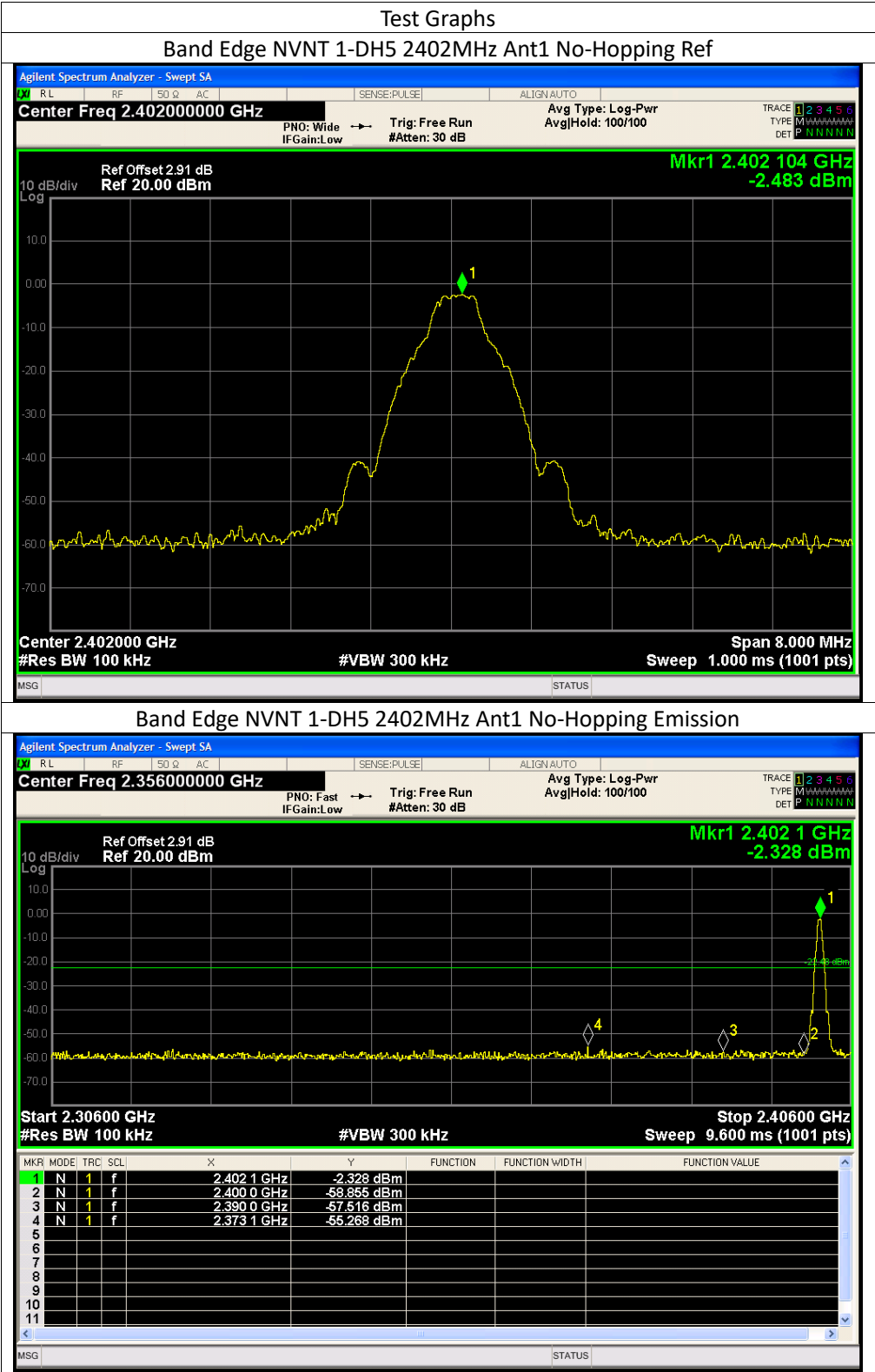


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

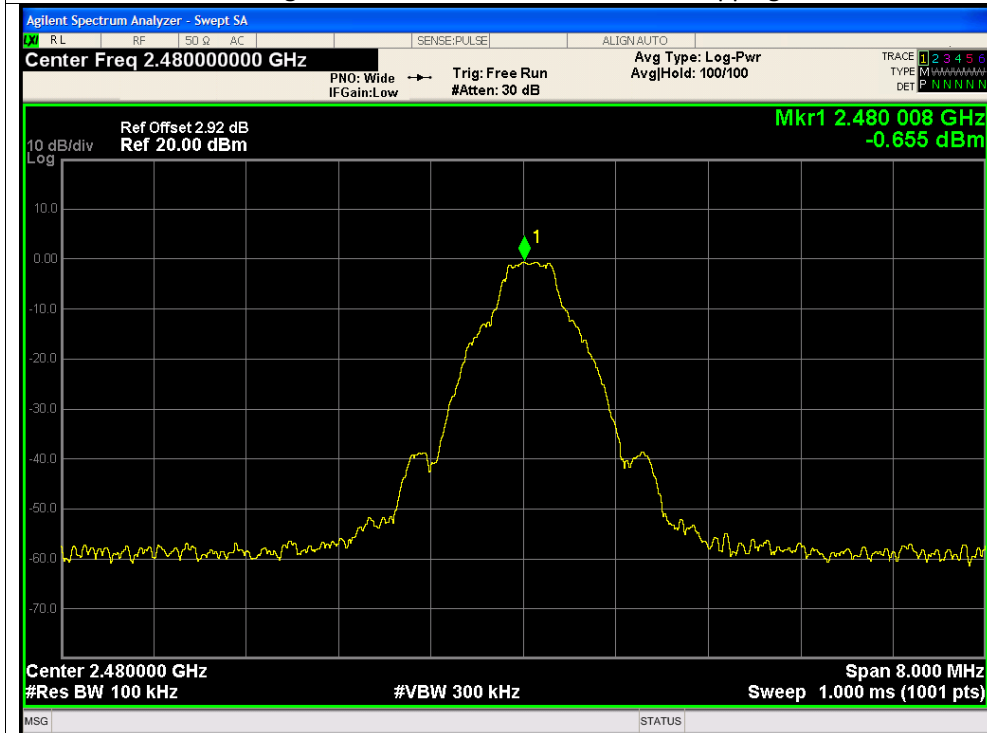


4. Bandedge

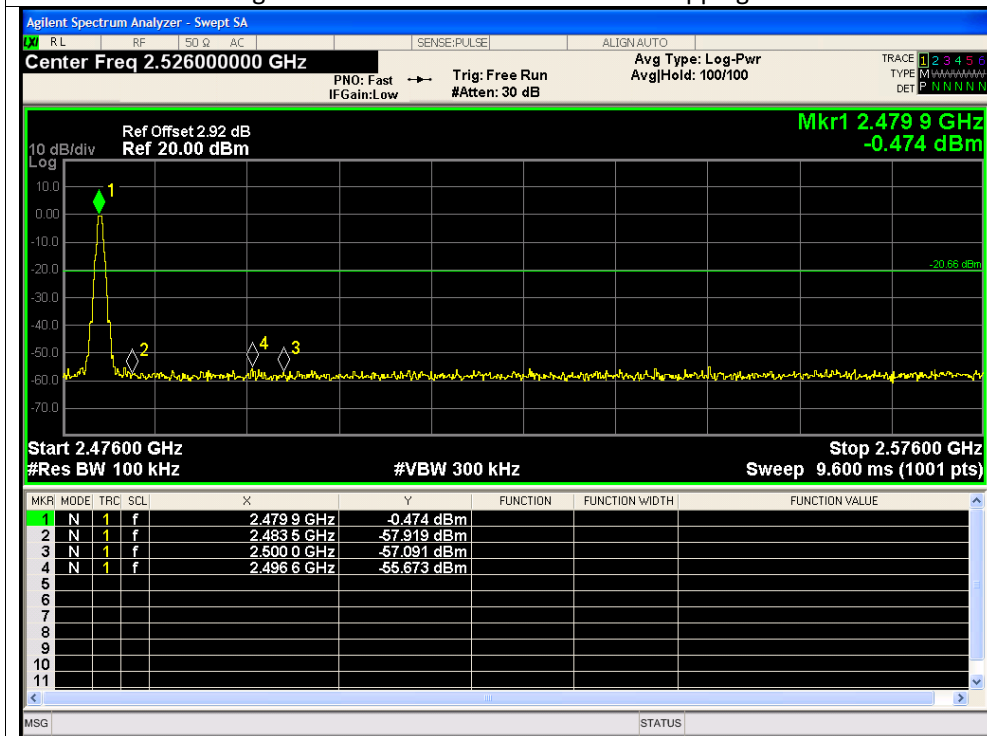
All the modes have tested and recorded the worst mode(GFSK) in the report



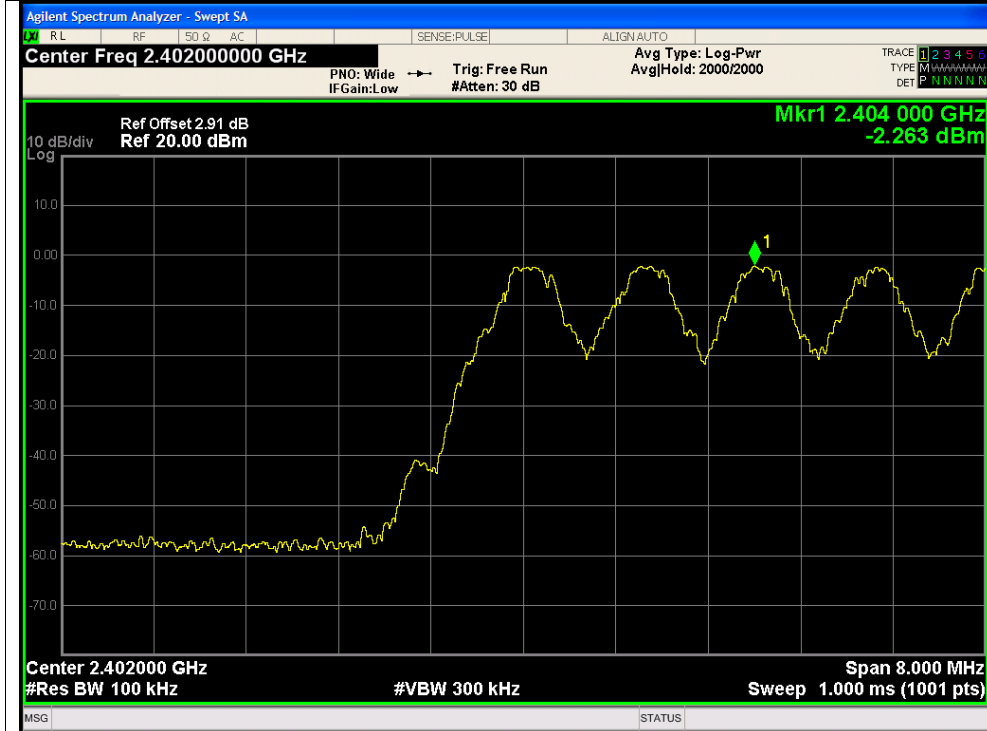
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



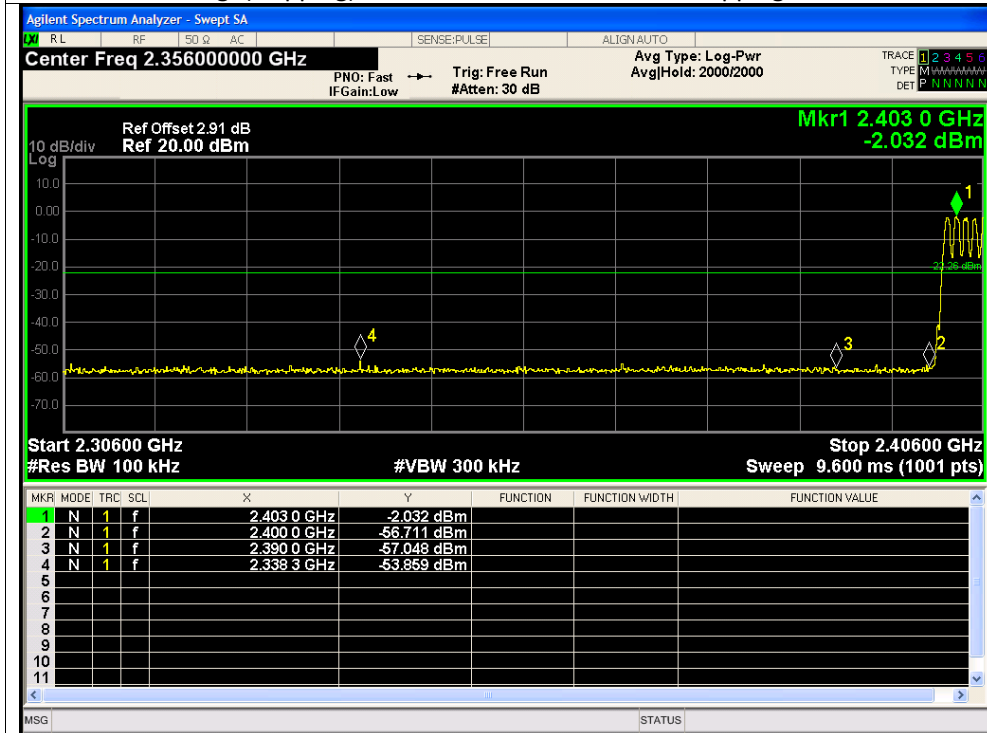
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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



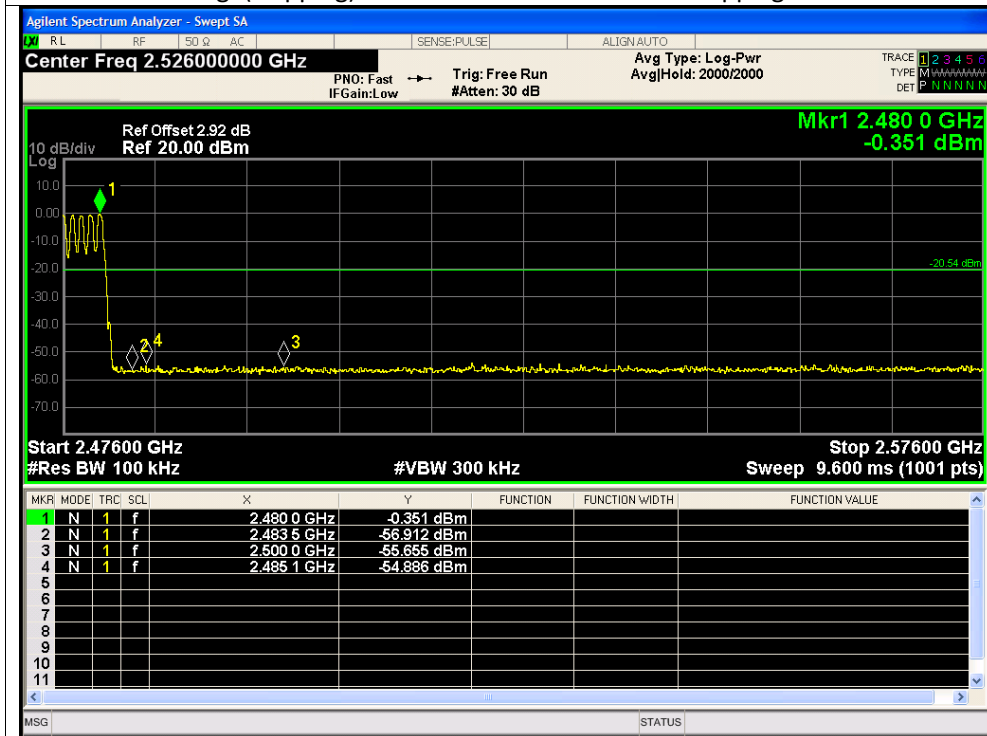
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



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



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

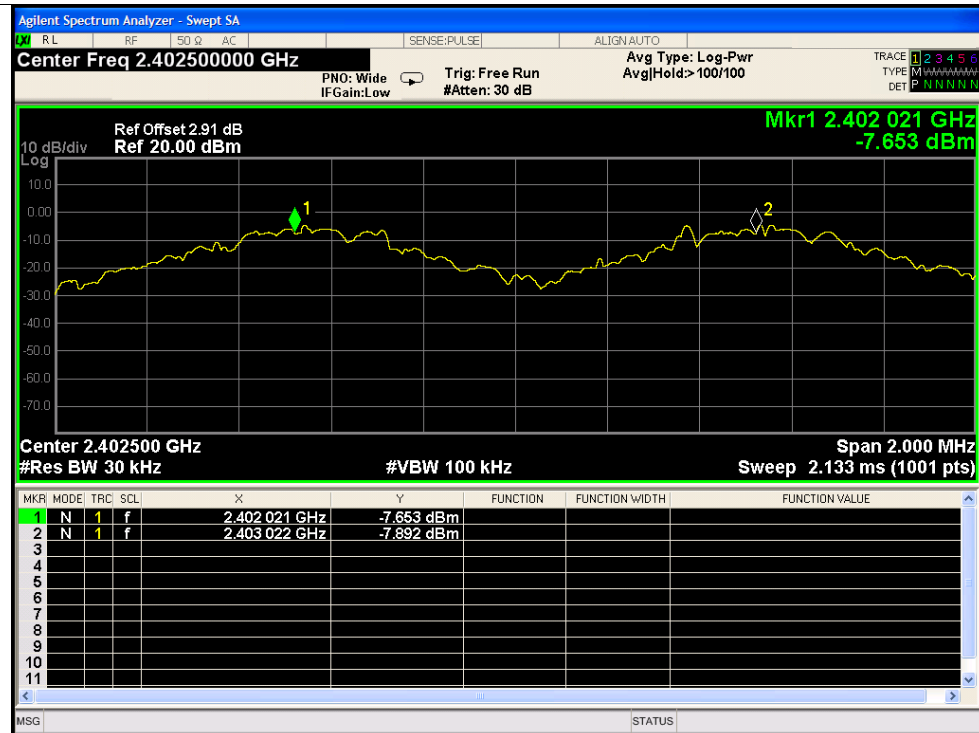


5. Carrier Frequencies Separation (Hopping)

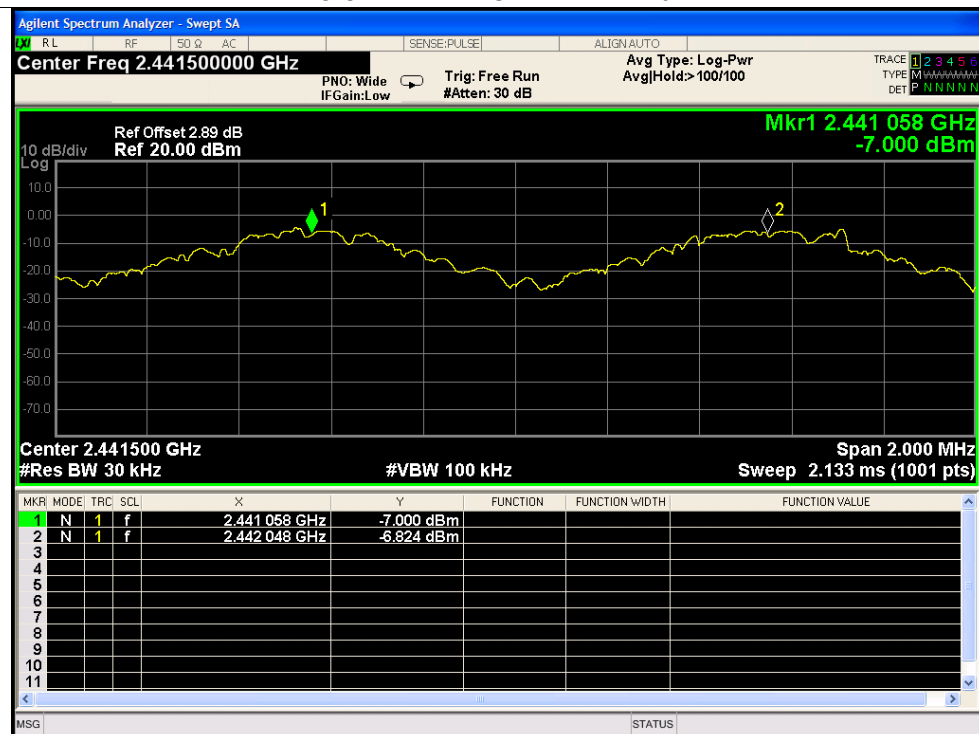
Condition	Mode	Antenna	Channel Frequency (MHz)	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402	2402.021	2403.022	1.001	>0.633	Pass
NVNT	1-DH5	Ant1	2441	2441.058	2442.048	0.990	>0.641	Pass
NVNT	1-DH5	Ant1	2480	2479.026	2480.066	1.040	>0.641	Pass
NVNT	2-DH5	Ant1	2402	2402.02	2403.08	1.060	>0.908	Pass
NVNT	2-DH5	Ant1	2441	2441.081	2442.202	1.121	>0.911	Pass
NVNT	2-DH5	Ant1	2480	2479.004	2479.987	0.983	>0.911	Pass
Note: Limit = 20dB bandwidth * 2/3								

Test Graphs

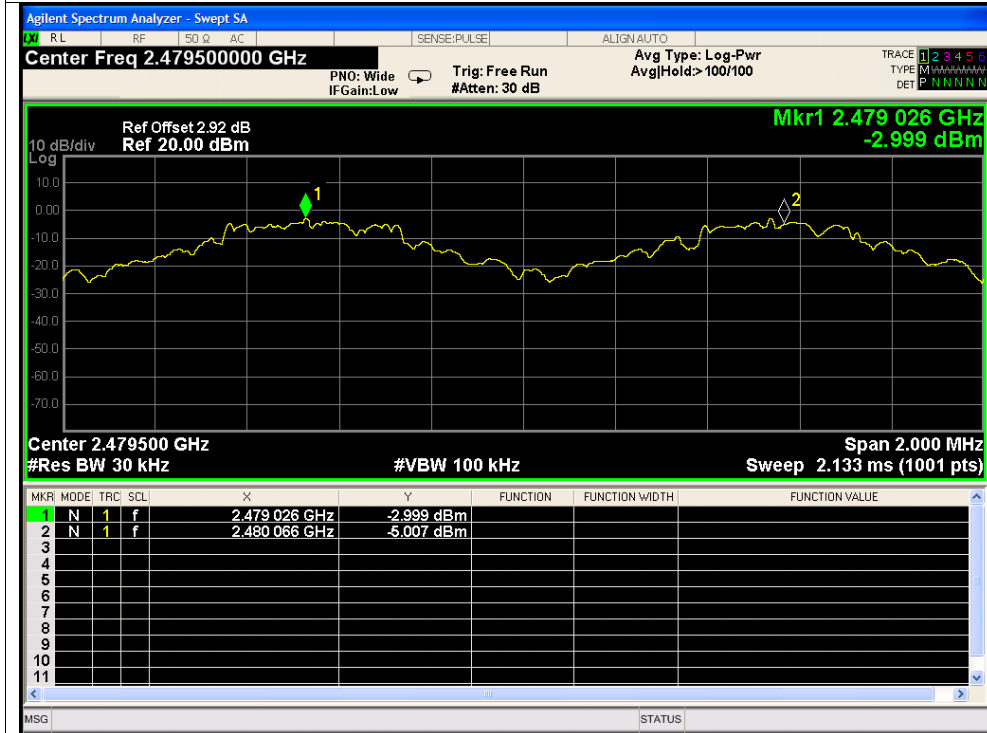
CFS NVNT 1-DH5 2402MHz Ant1



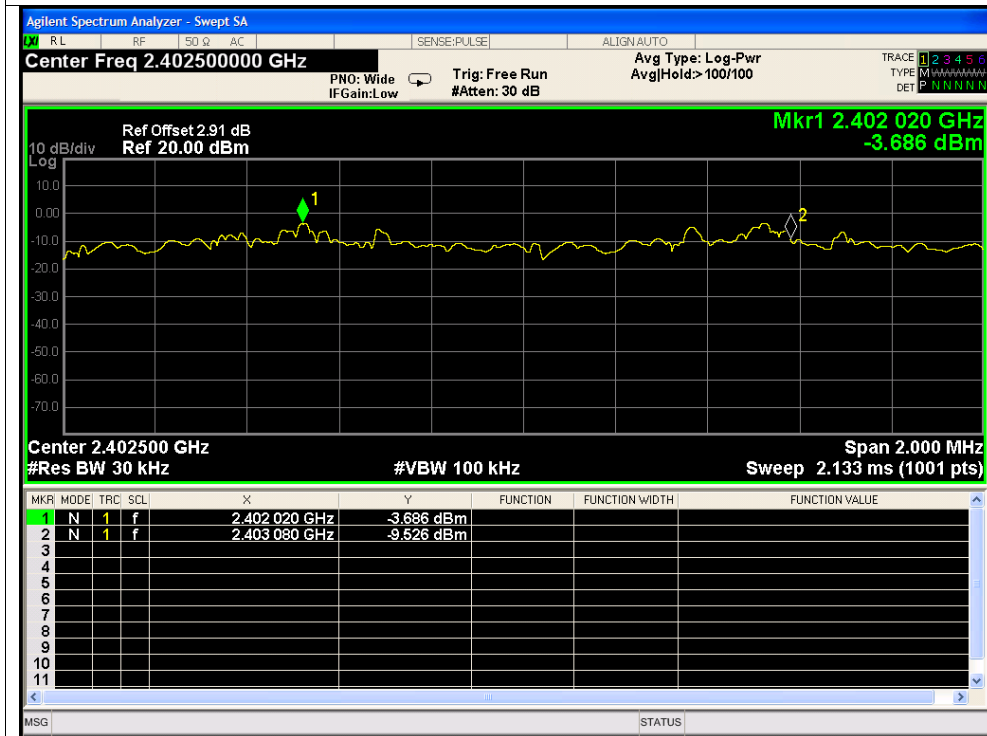
CFS NVNT 1-DH5 2441MHz Ant1



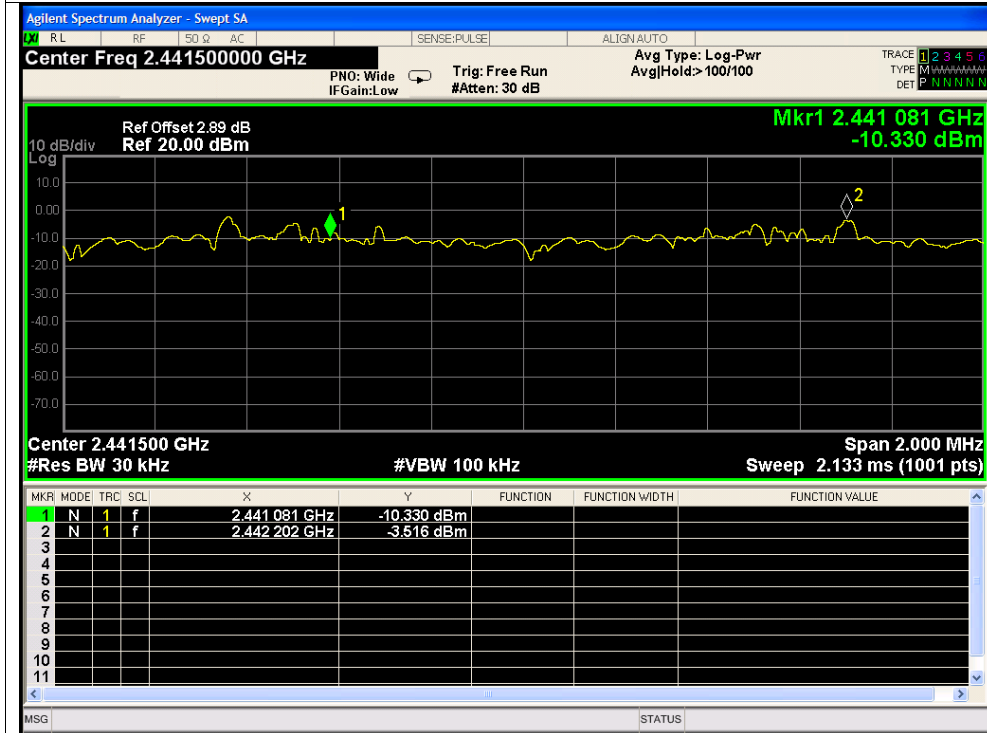
CFS NVNT 1-DH5 2480MHz Ant1



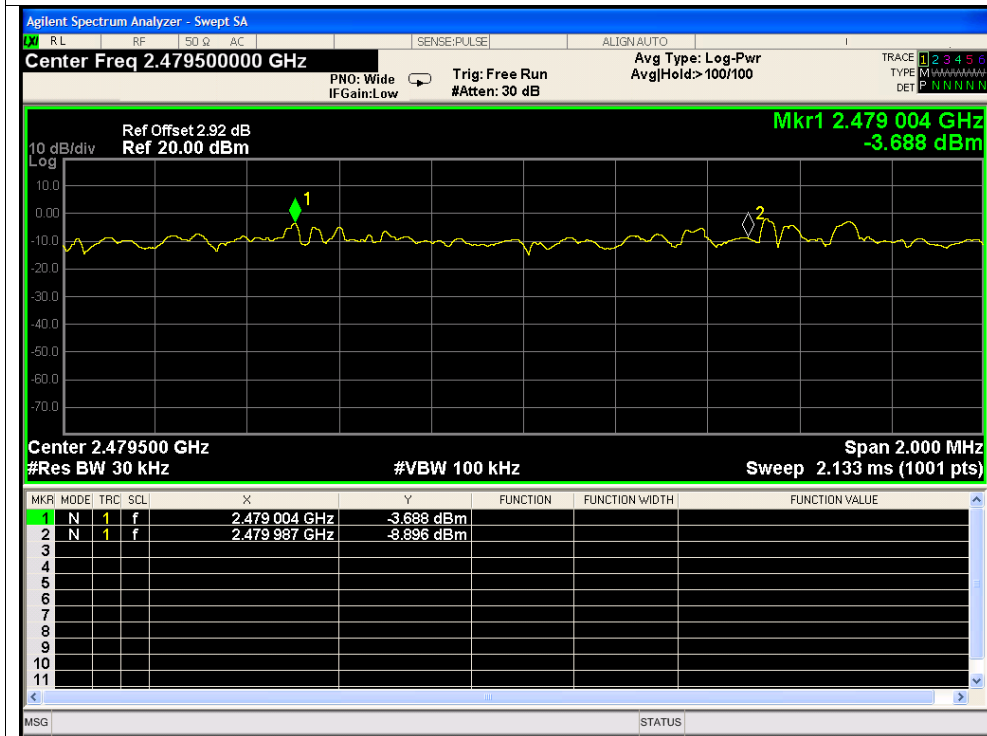
CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2441MHz Ant1



CFS NVNT 2-DH5 2480MHz Ant1

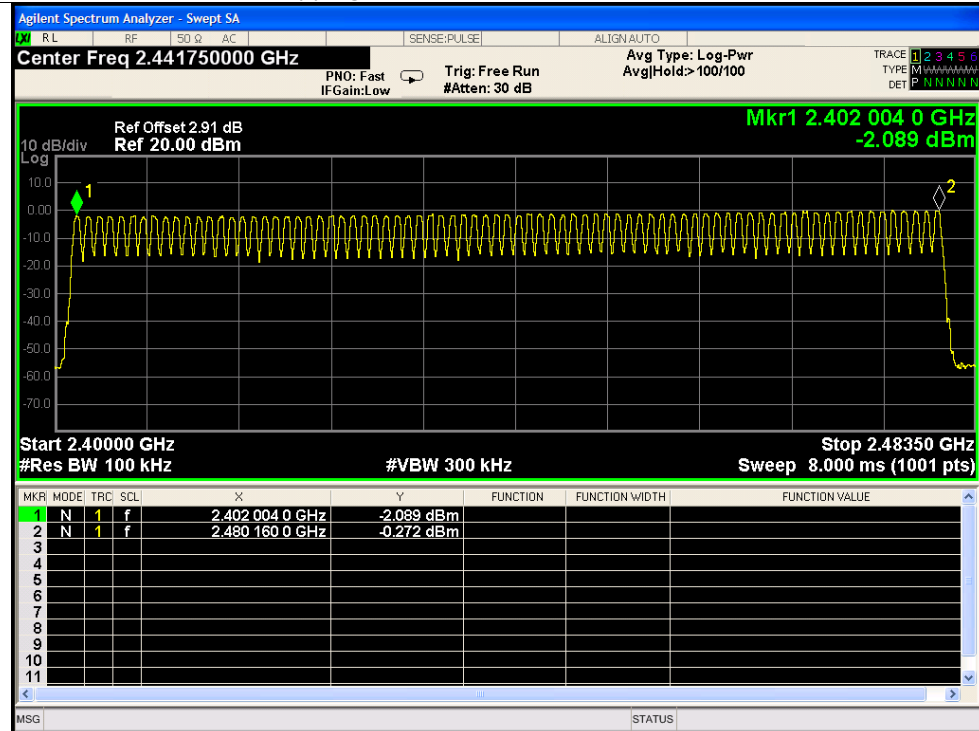


6. Number of Hopping Channel (Hopping)

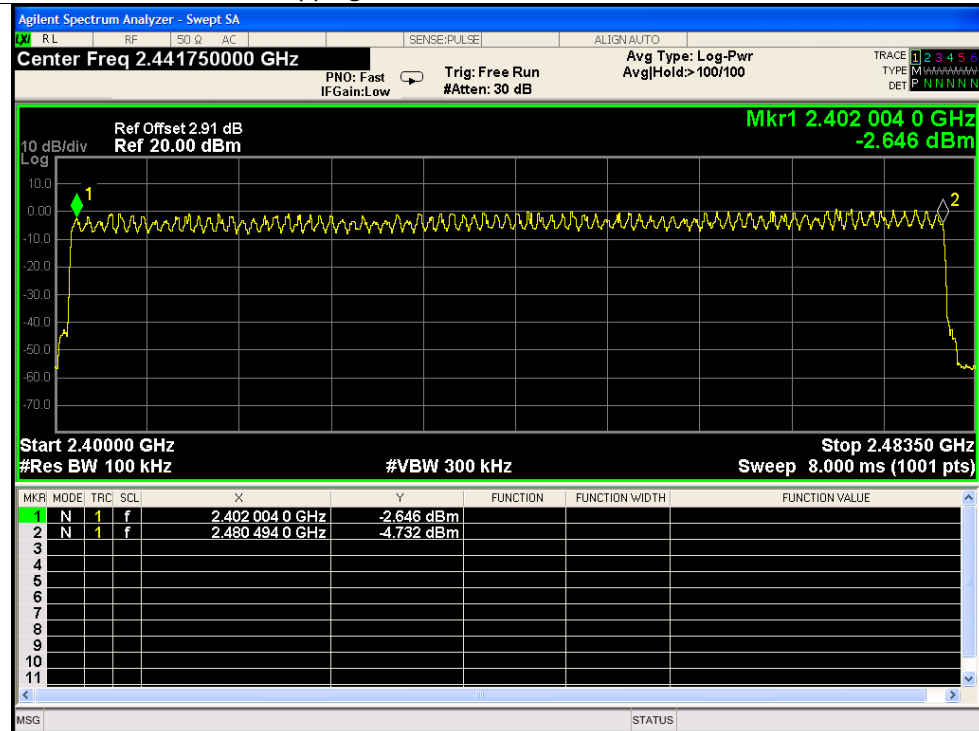
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



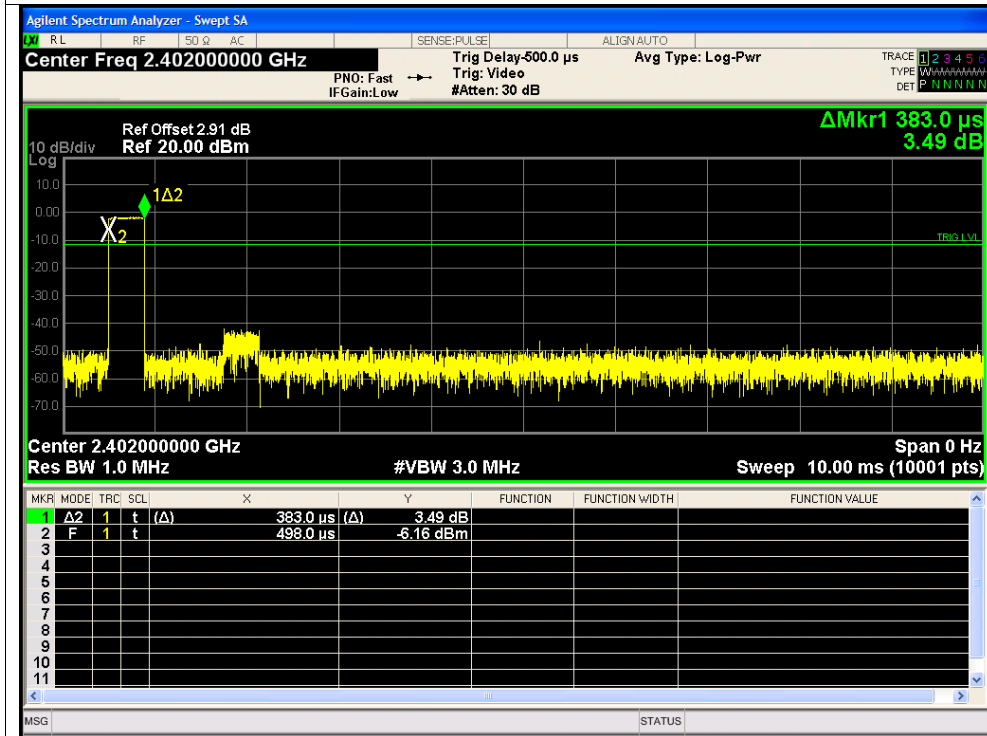
7. Dwell Time (Hopping)

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

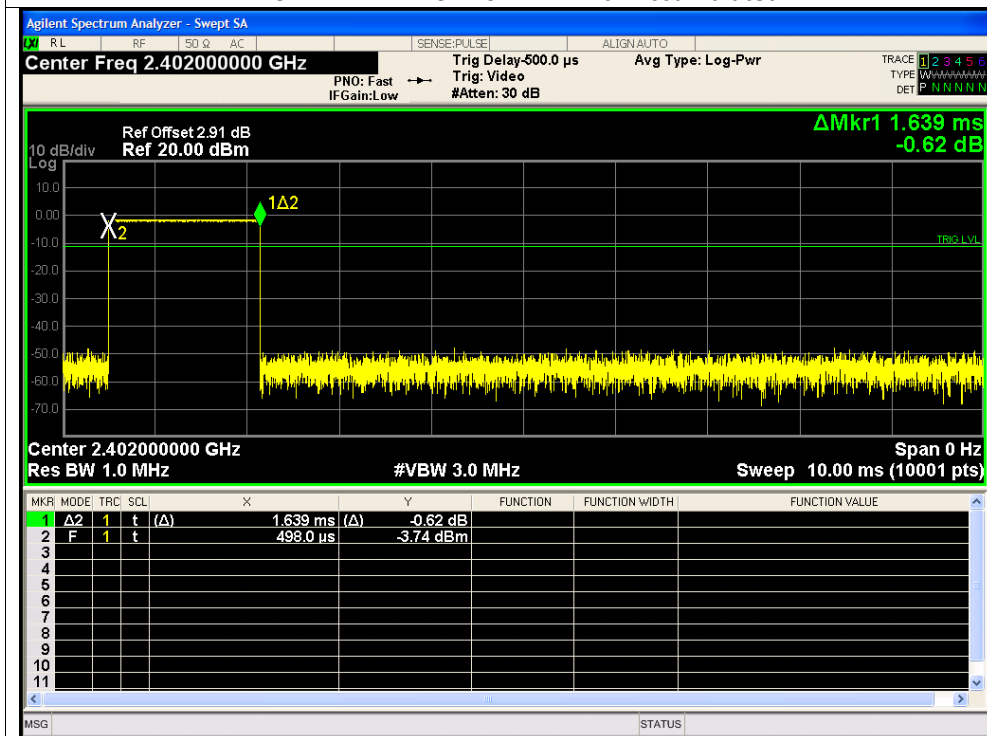
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Dwell Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.383	122.560	<400	Pass
NVNT	1-DH3	2402	Ant1	1.639	262.240	<400	Pass
NVNT	1-DH5	2402	Ant1	2.887	307.947	<400	Pass
Note: Dwell Time(DH1)=PW*(1600/2/79)*31.6 Dwell Time(DH3)=PW*(1600/4/79)*31.6 Dwell Time(DH5)=PW*(1600/6/79)*31.6							

Test Graphs

Dwell NVNT 1-DH1 2402MHz Ant1 One Burst



Dwell NVNT 1-DH3 2402MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

