

Table of Contents

1. -20dB Bandwidth and 99% Occupied Bandwidth	2
2. Peak Output Power	8
3. Spurious Emissions	14
4. Bandedge	17
5. Carrier Frequencies Separation (Hopping).....	21
6. Number of Hopping Channel (Hopping).....	27
7. Dwell Time (Hopping)	30

FCC ID: 2A9HV-BOC250

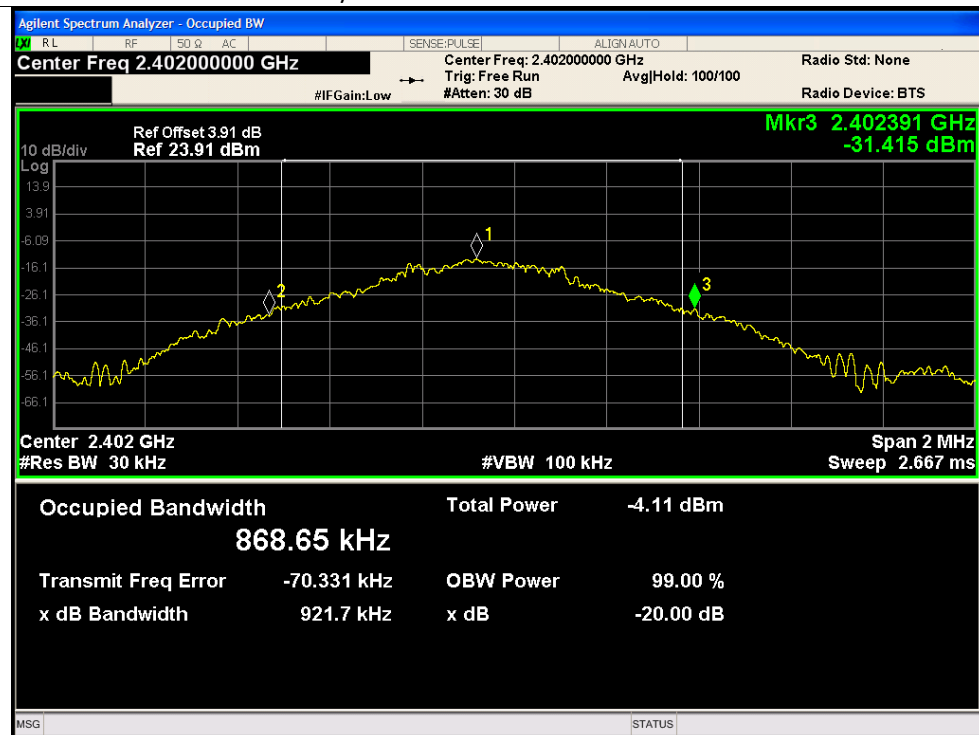
BT Test Data

1. -20dB Bandwidth and 99% Occupied Bandwidth

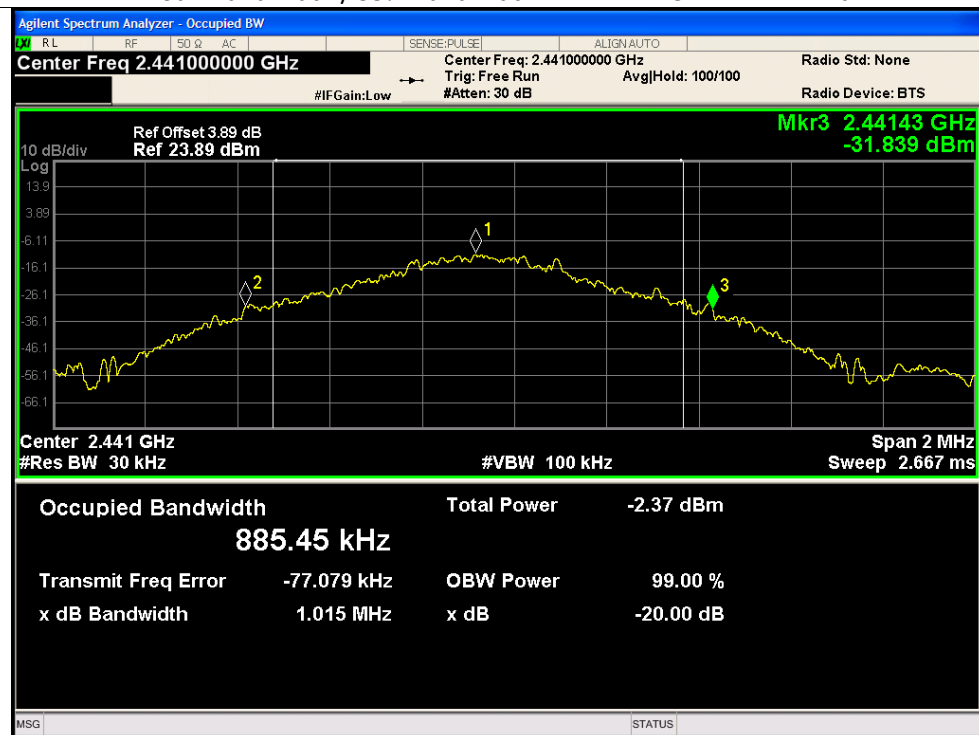
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.922	0.869	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.015	0.886	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.984	0.871	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.336	1.258	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.309	1.203	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.298	1.195	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.316	1.252	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.279	1.210	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.299	1.198	N/A	Pass

Test Graphs

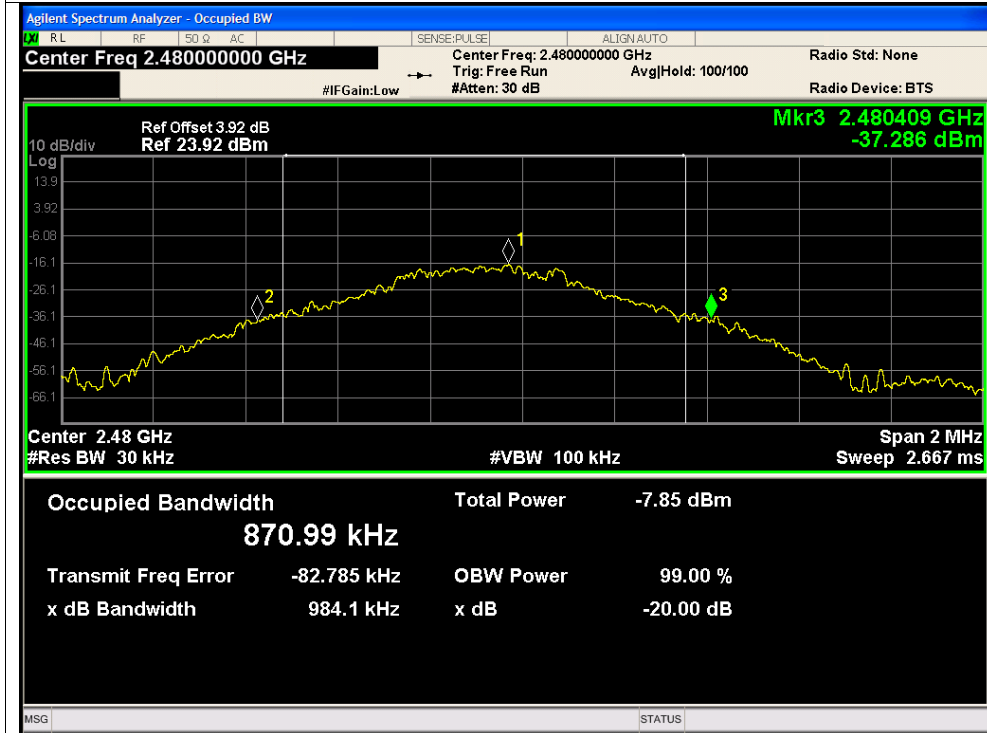
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2402MHz Ant1



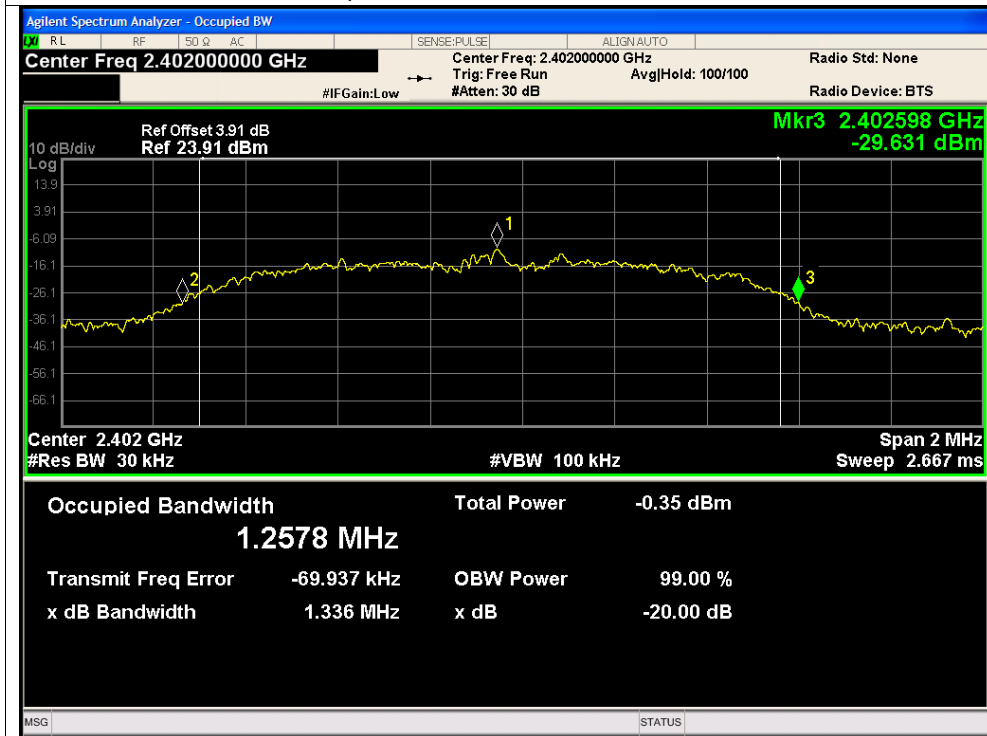
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2441MHz Ant1



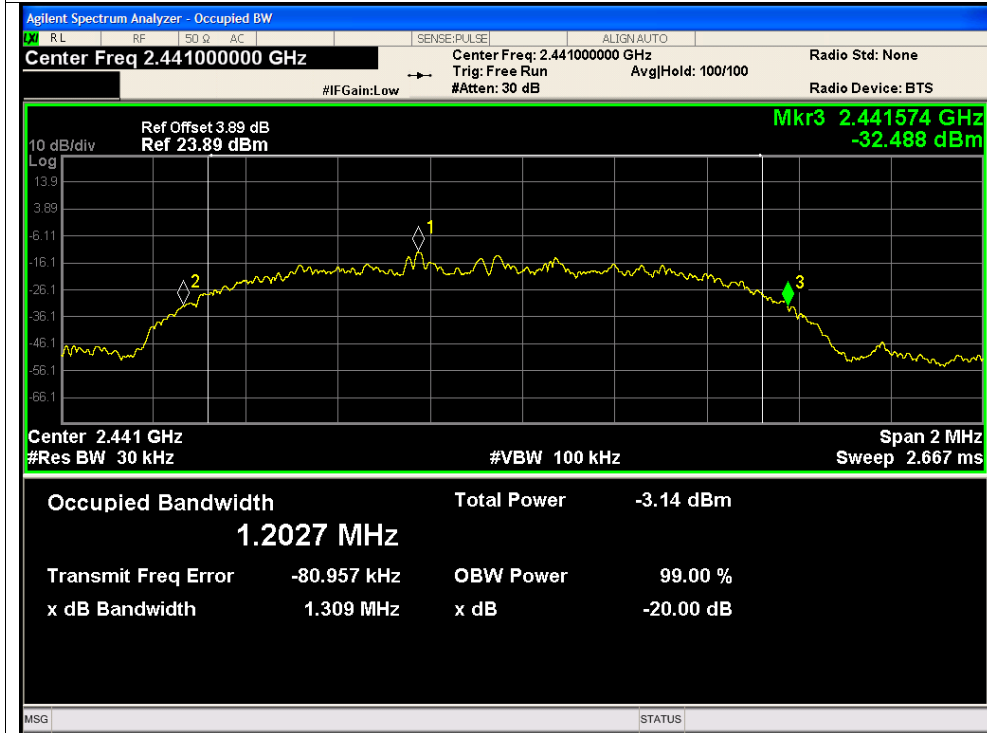
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2480MHz Ant1



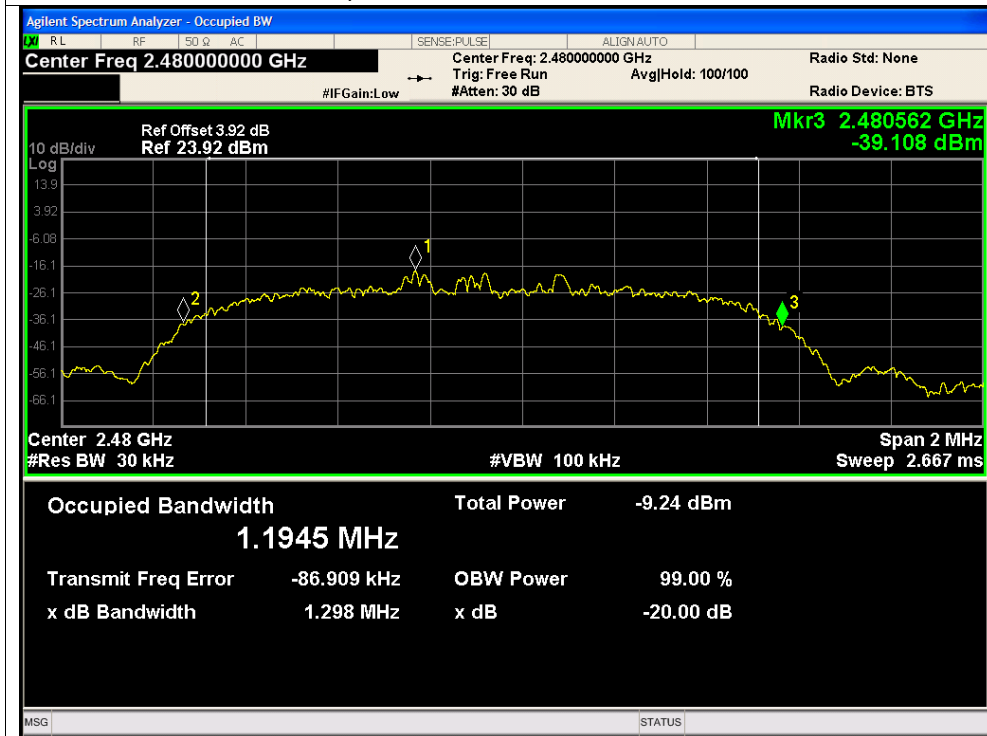
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2402MHz Ant1



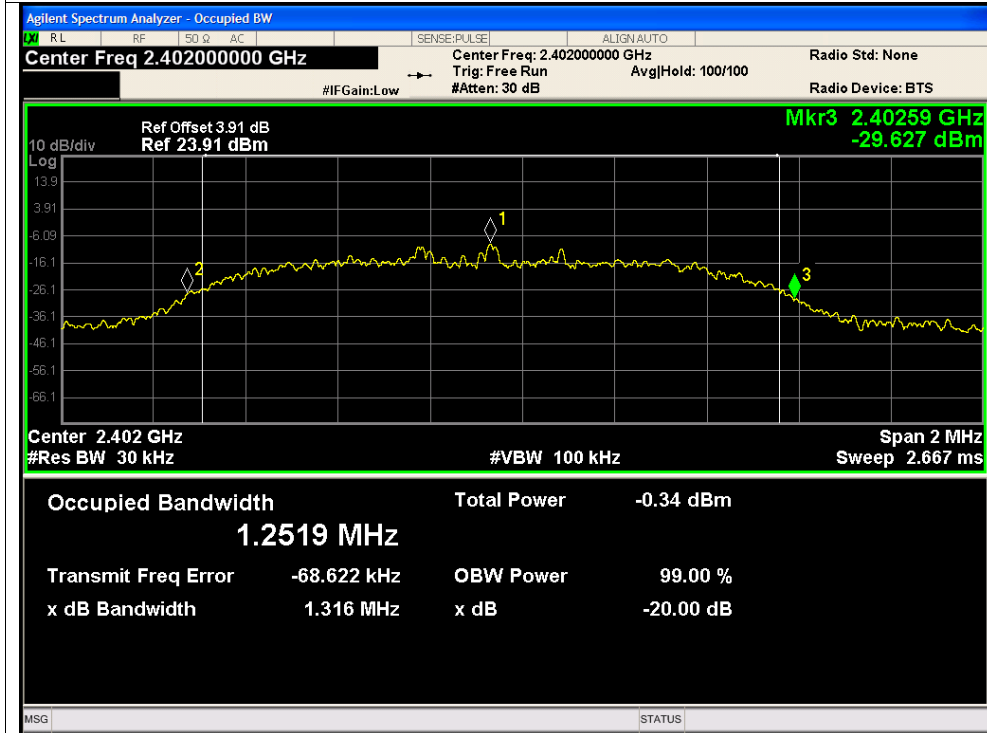
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2441MHz Ant1



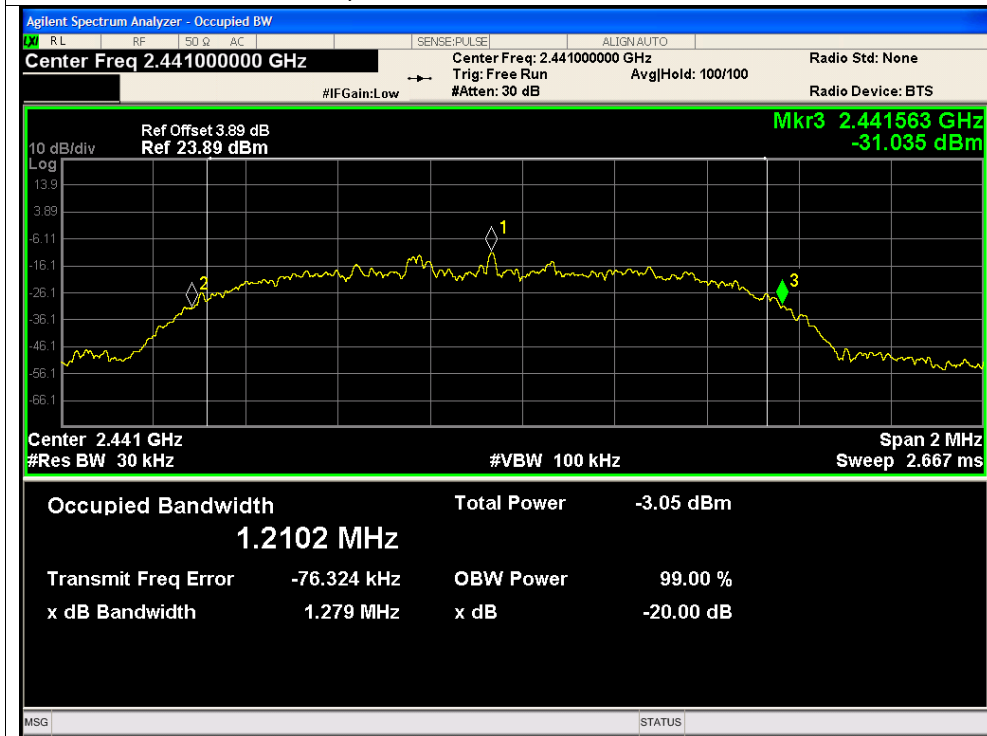
-20dB Bandwidth / 99% Bandwidth NVNT 2-DH5 2480MHz Ant1



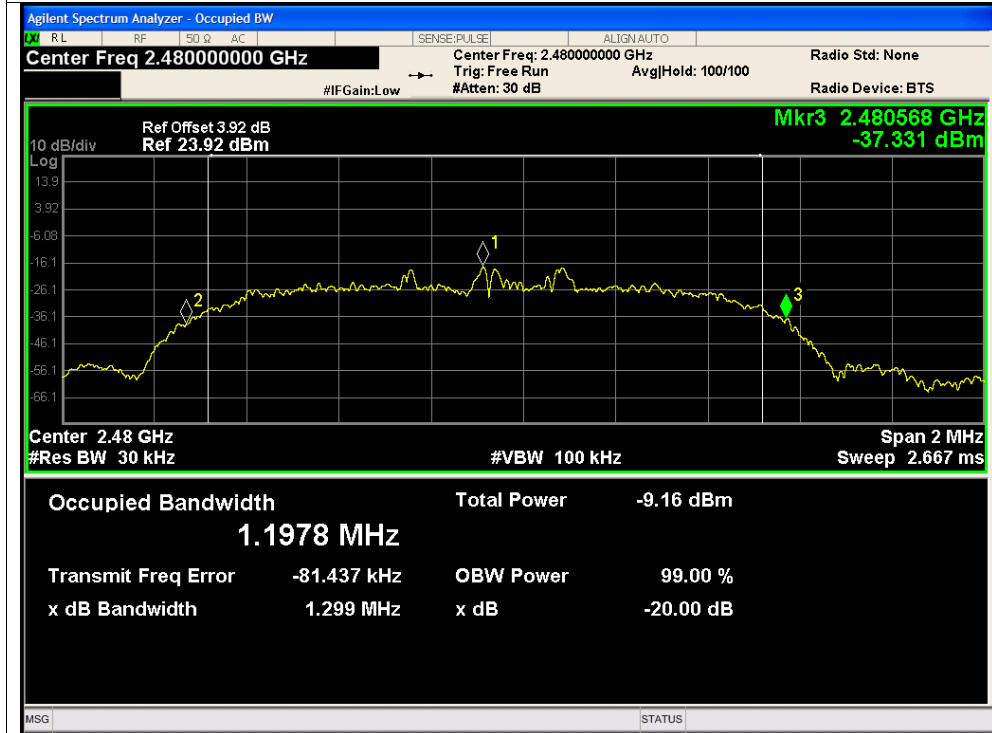
-20dB Bandwidth / 99% Bandwidth NVNT 3-DH5 2402MHz Ant1



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



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

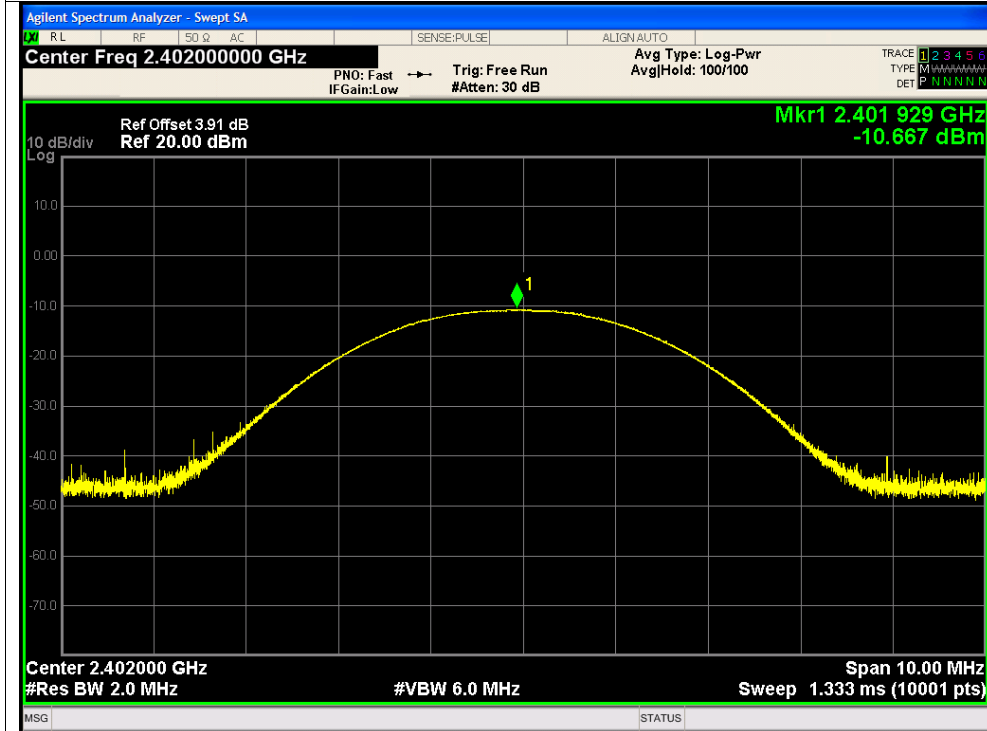


2. Peak Output Power

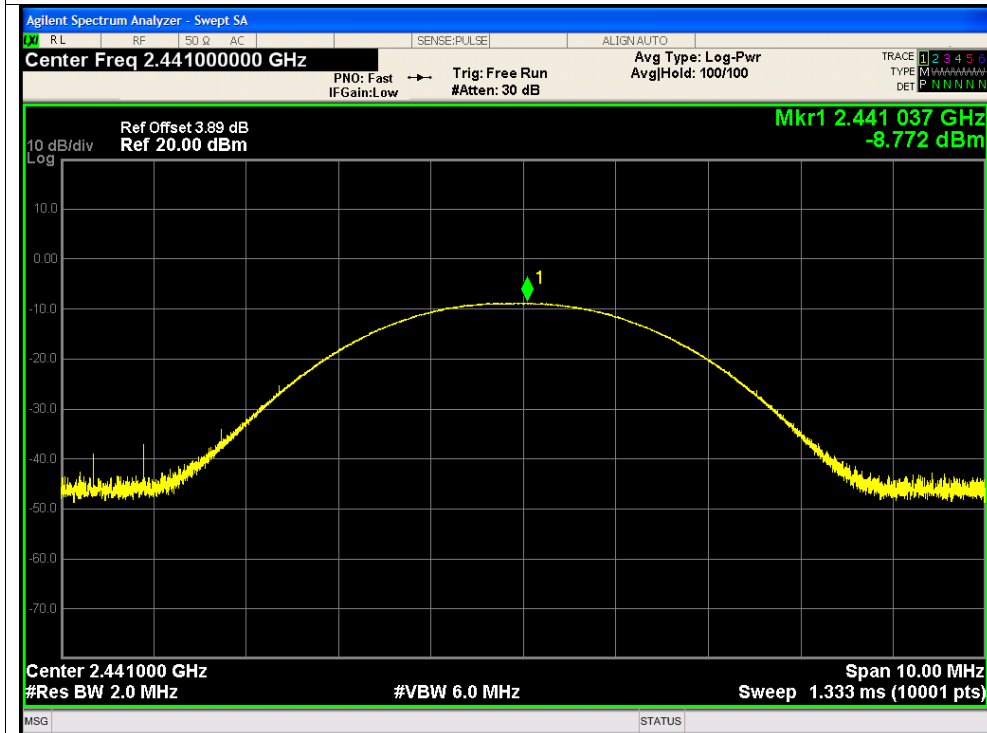
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-10.67	21	Pass
NVNT	1-DH5	2441	Ant1	-8.77	21	Pass
NVNT	1-DH5	2480	Ant1	-14.44	21	Pass
NVNT	2-DH5	2402	Ant1	-6.63	21	Pass
NVNT	2-DH5	2441	Ant1	-8.58	21	Pass
NVNT	2-DH5	2480	Ant1	-14.48	21	Pass
NVNT	3-DH5	2402	Ant1	-6.45	21	Pass
NVNT	3-DH5	2441	Ant1	-8.54	21	Pass
NVNT	3-DH5	2480	Ant1	-14.11	21	Pass

Test Graphs

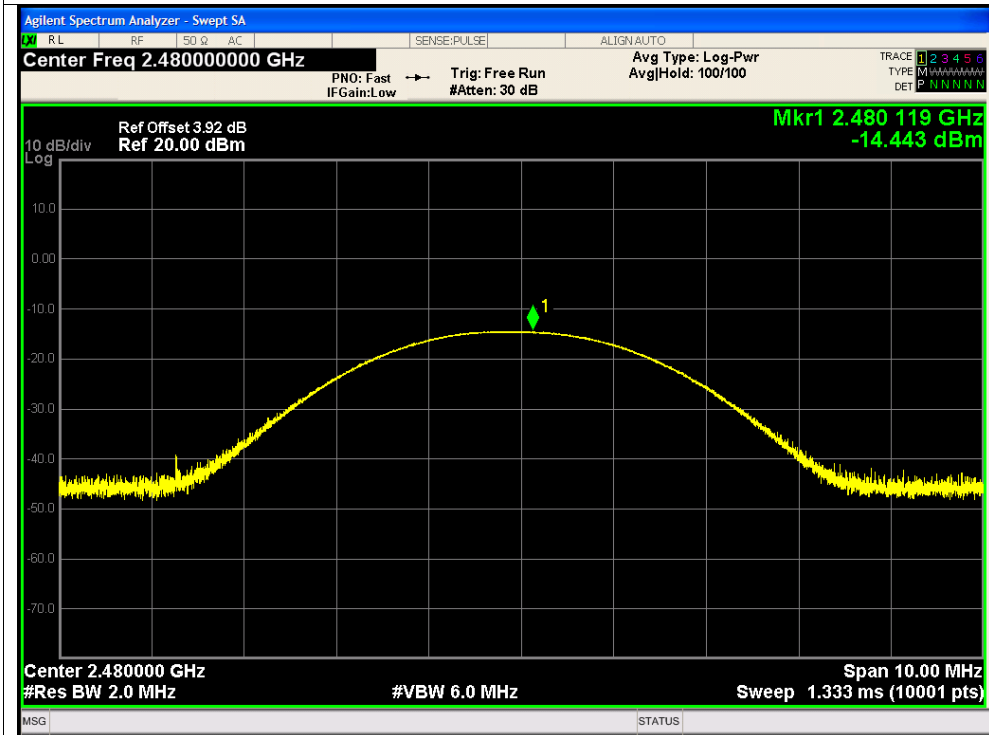
Power NVNT 1-DH5 2402MHz Ant1



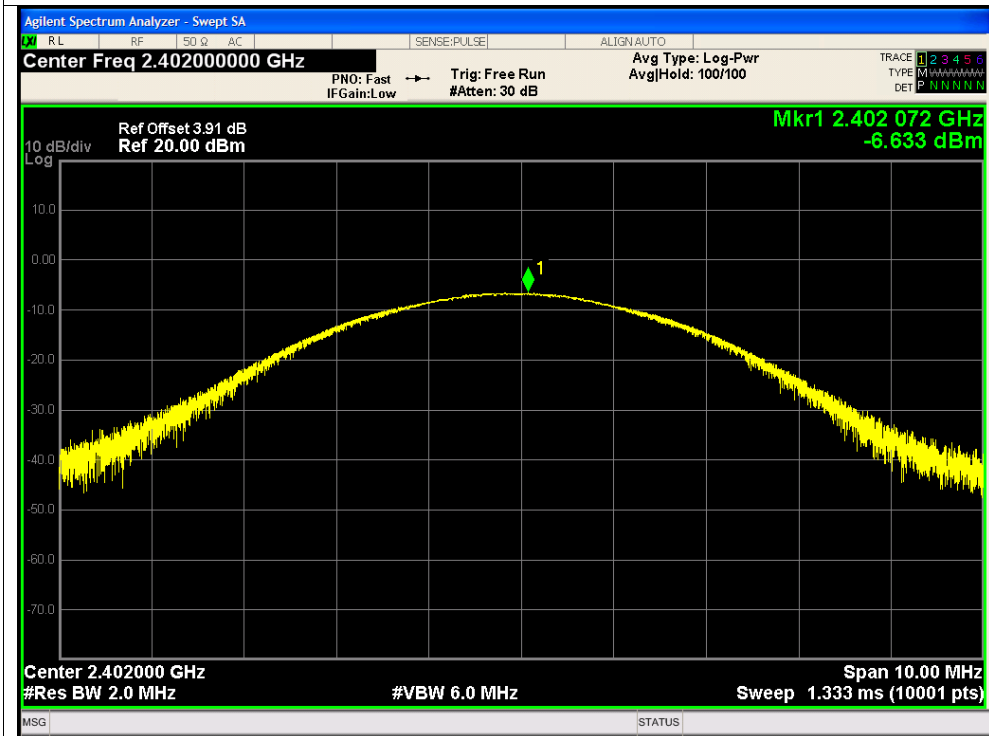
Power NVNT 1-DH5 2441MHz Ant1



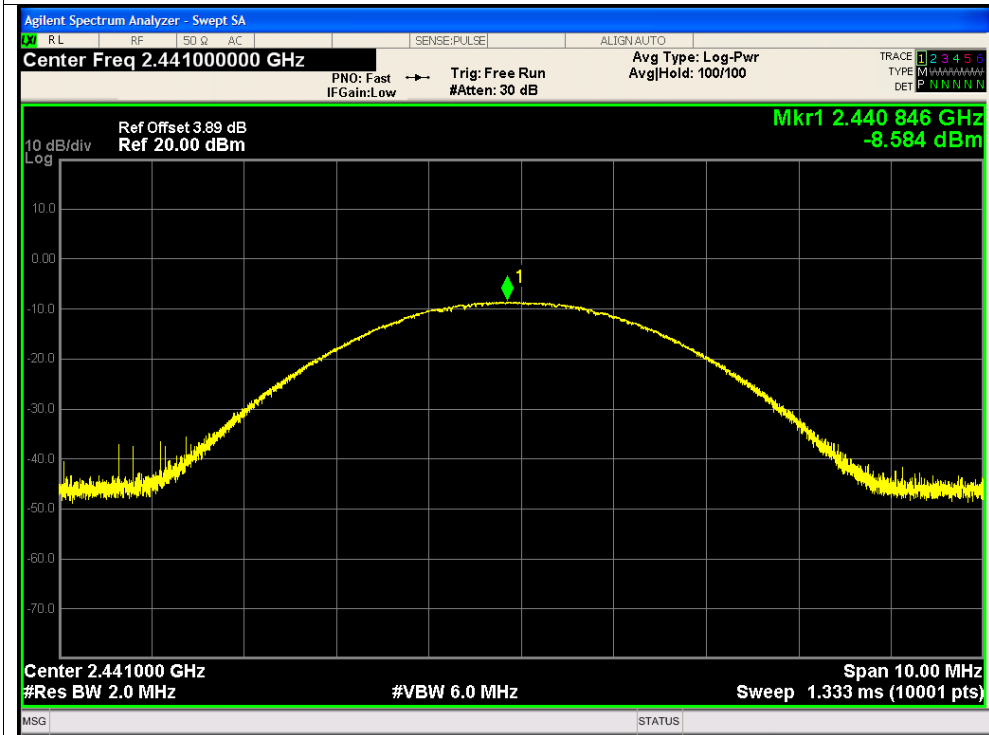
Power NVNT 1-DH5 2480MHz Ant1



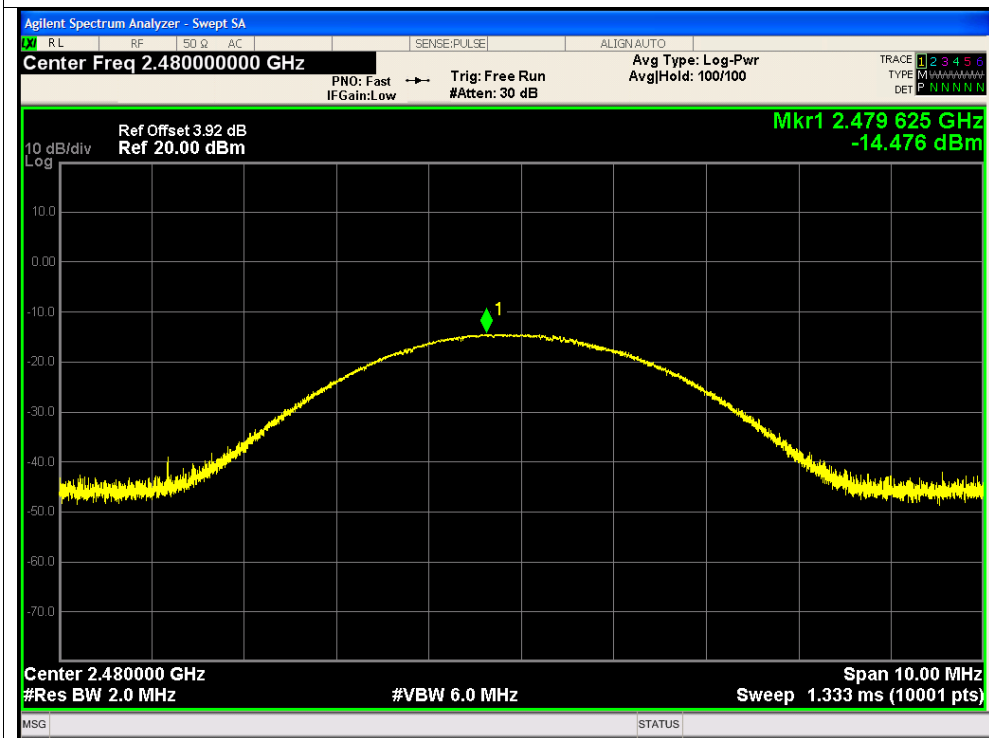
Power NVNT 2-DH5 2402MHz Ant1



Power NVNT 2-DH5 2441MHz Ant1

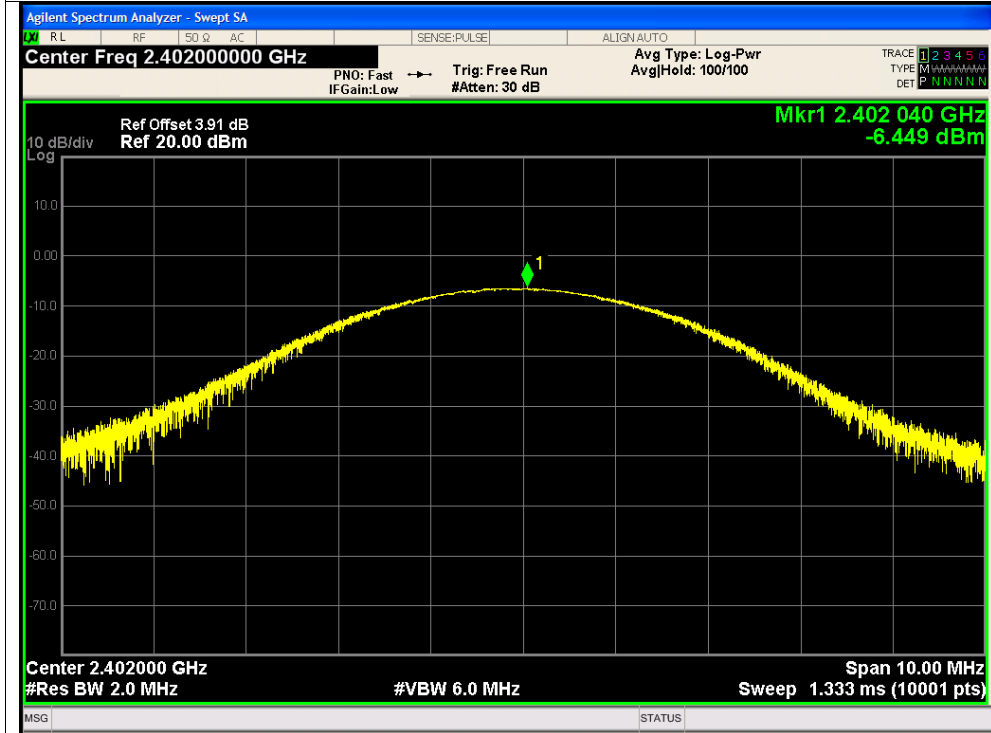


Power NVNT 2-DH5 2480MHz Ant1

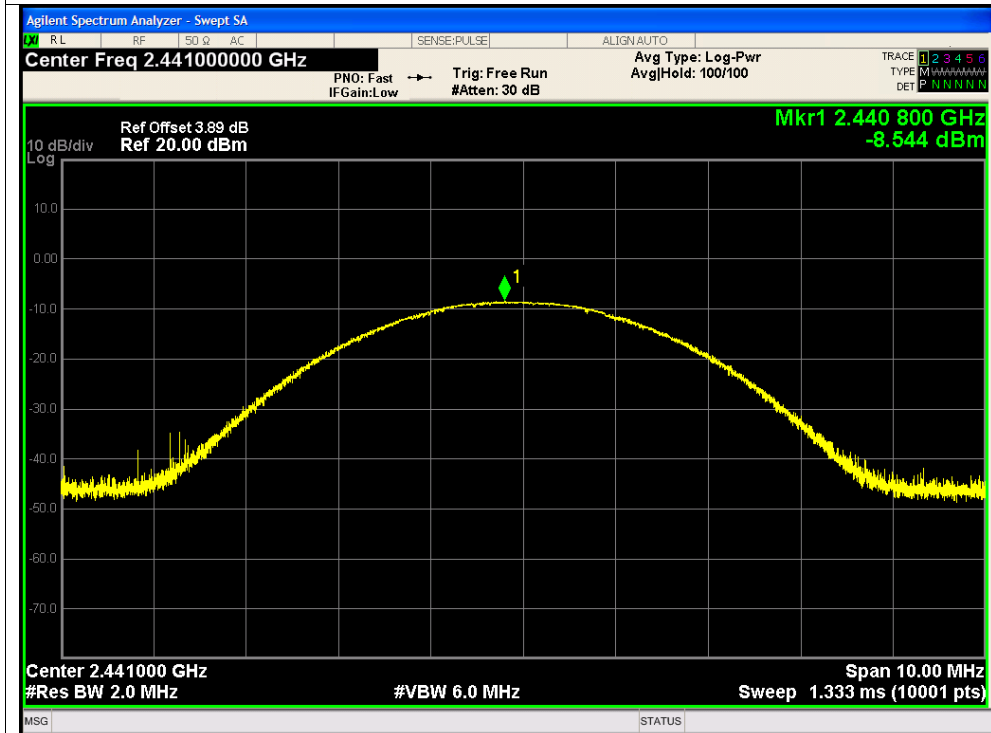


Test Graphs

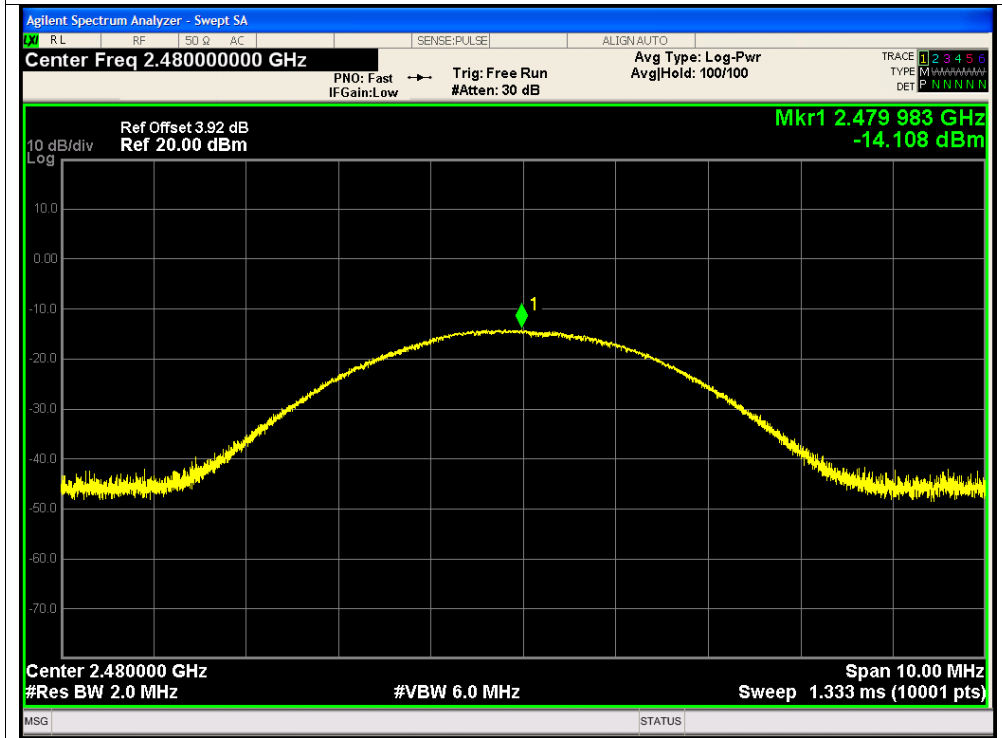
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1

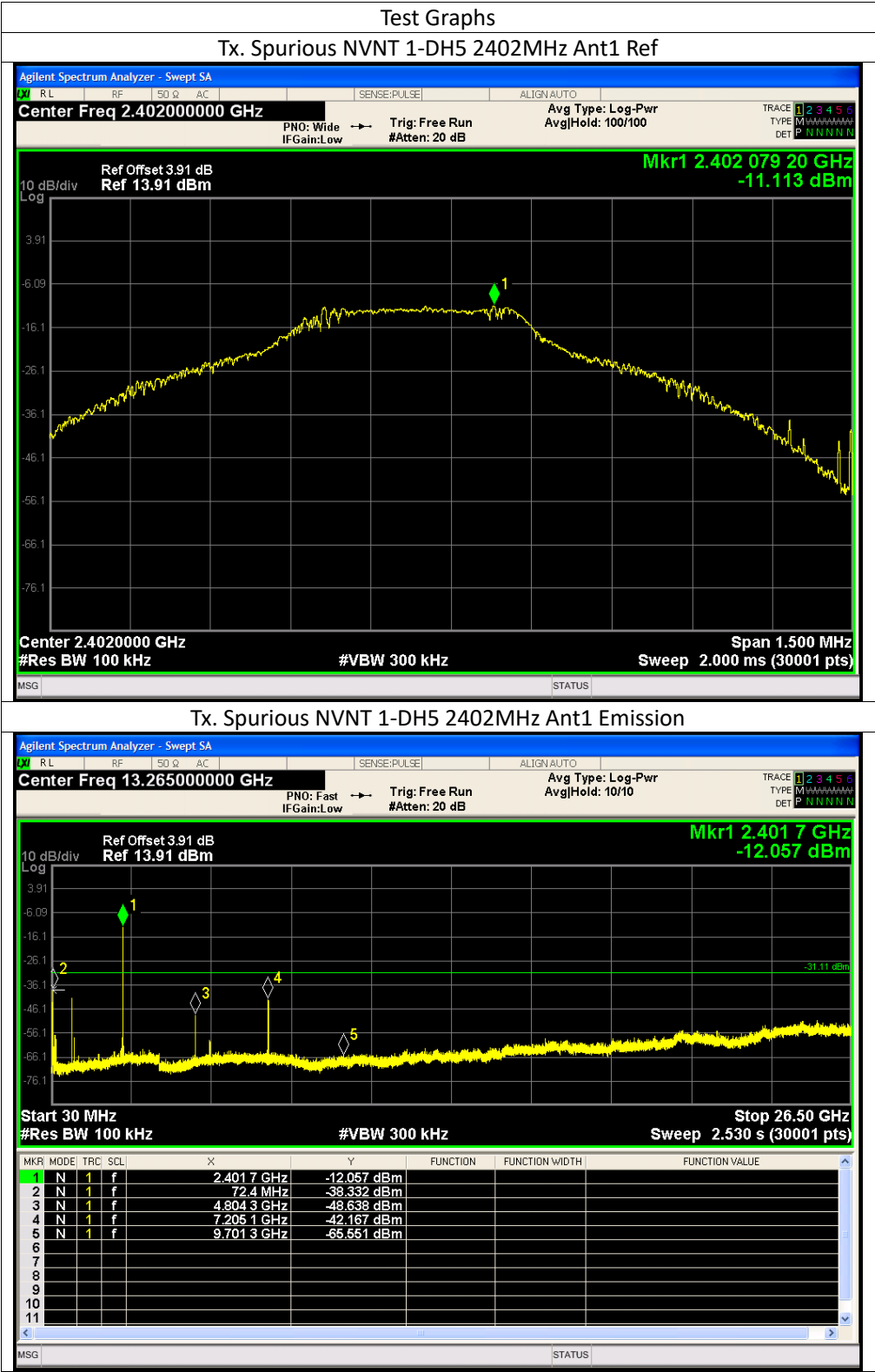


Power NVNT 3-DH5 2480MHz Ant1



3. Spurious Emissions

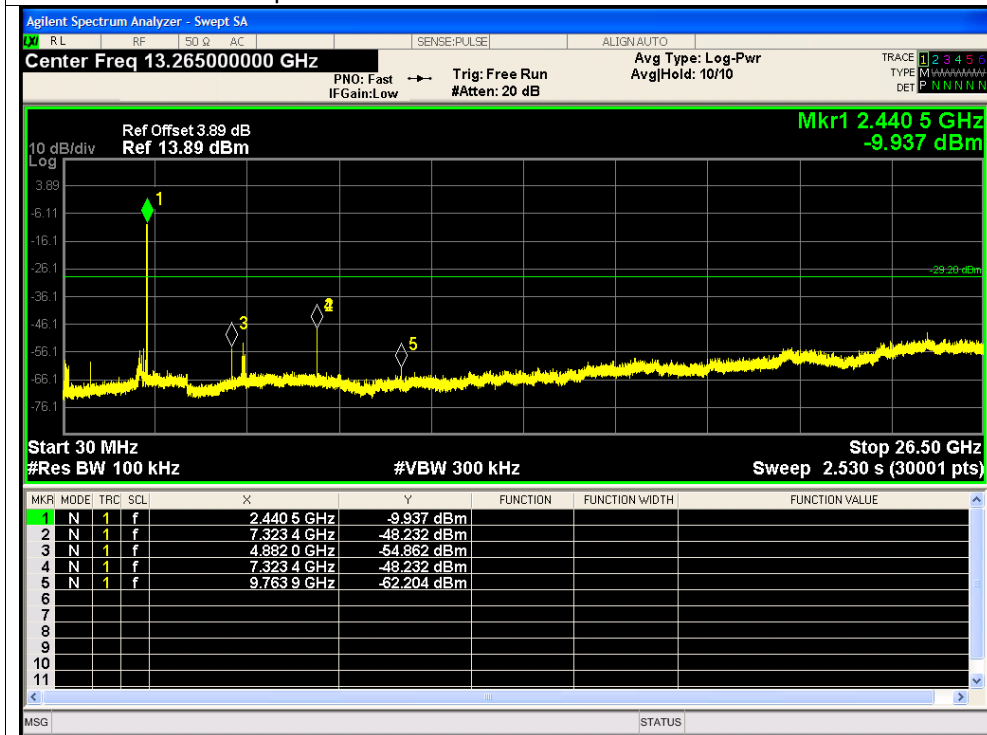
All the modes have tested and recorded the worst mode(GFSK) in the report



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



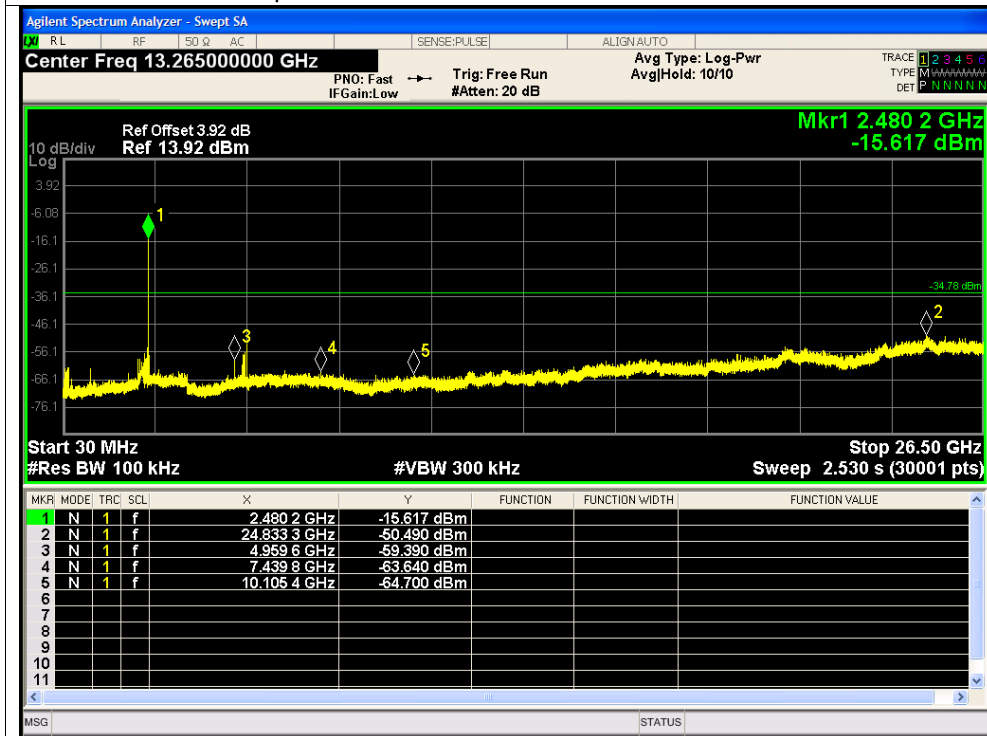
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

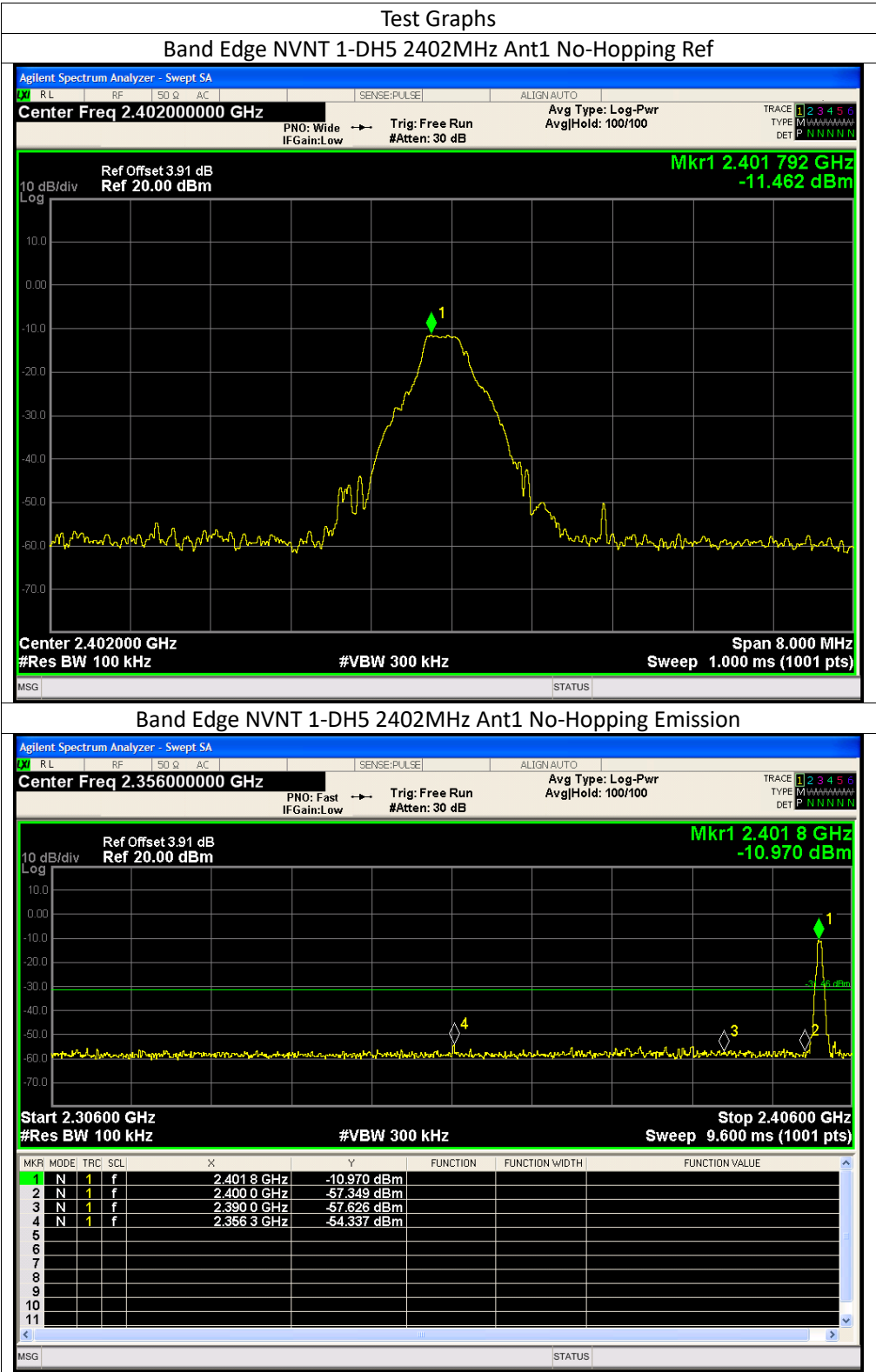


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

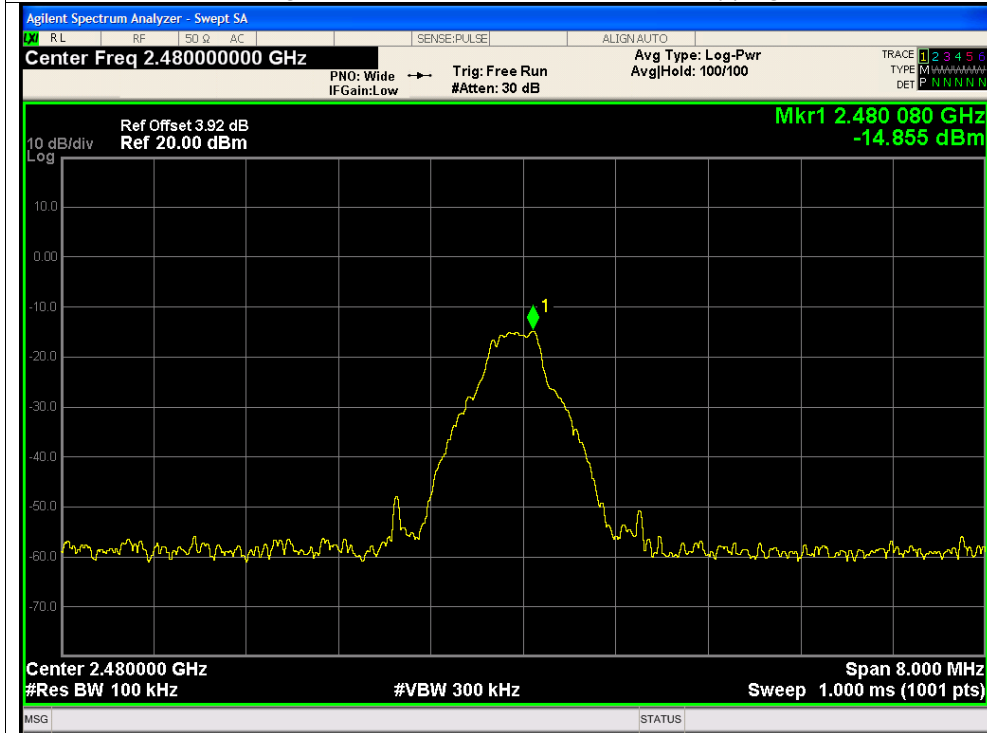


4. Bandedge

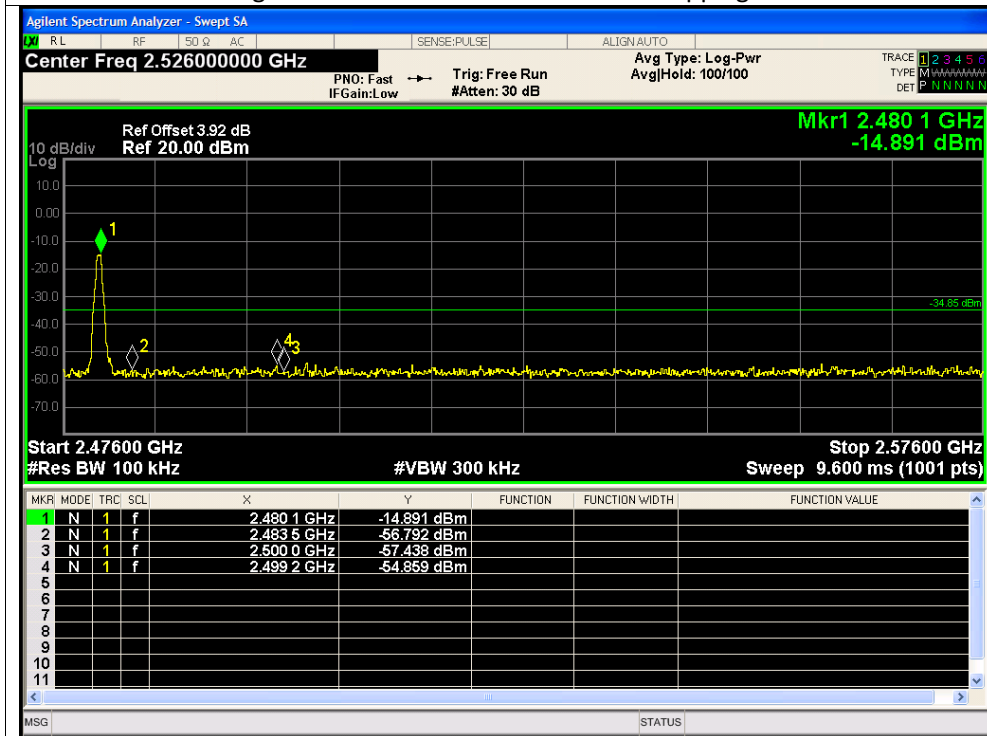
All the modes have tested and recorded the worst mode(GFSK) in the report



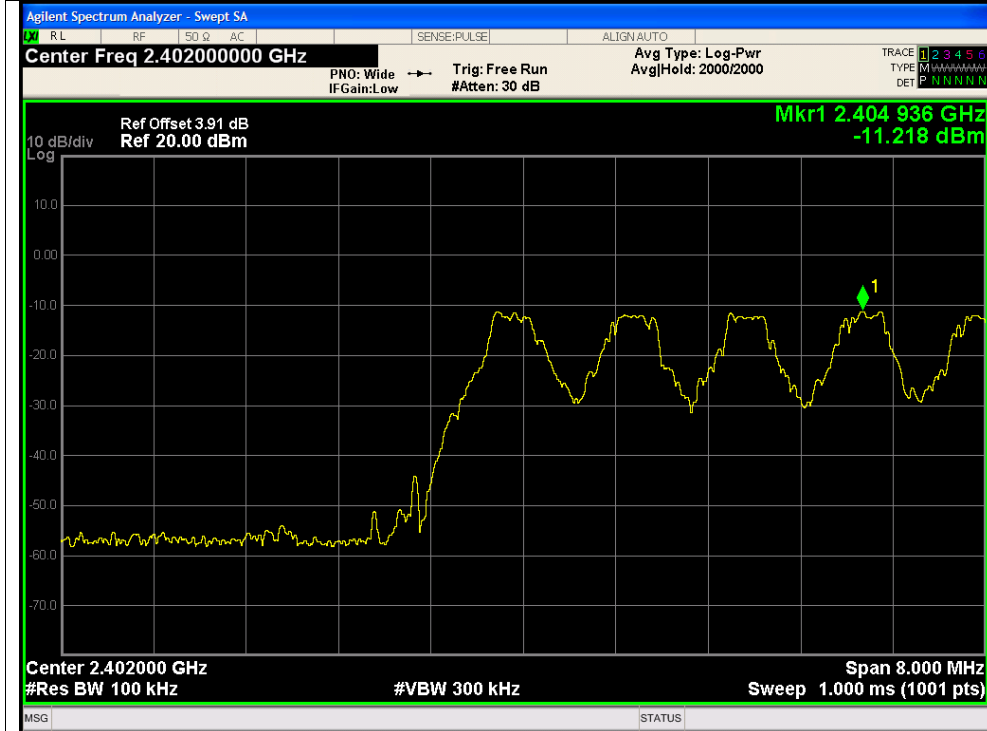
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



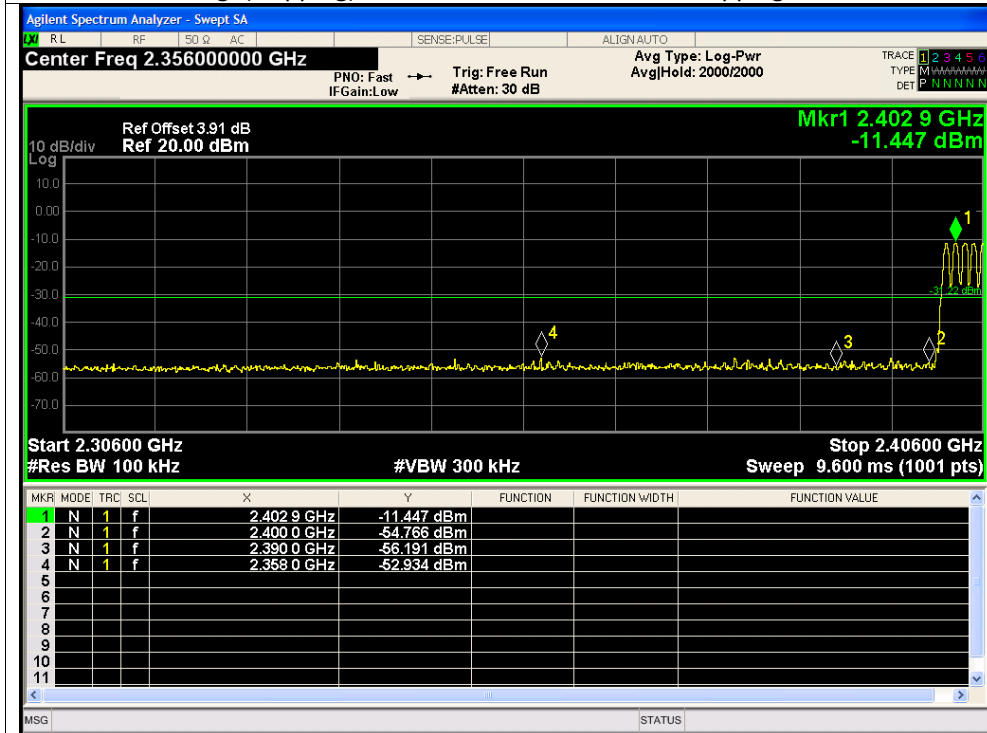
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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



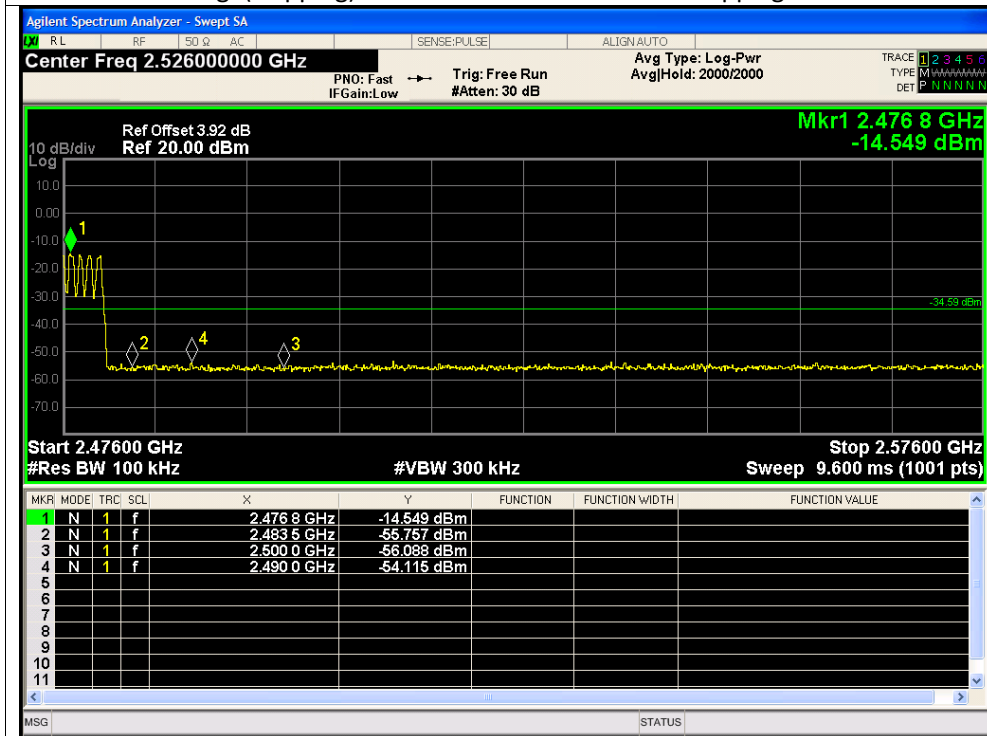
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



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



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

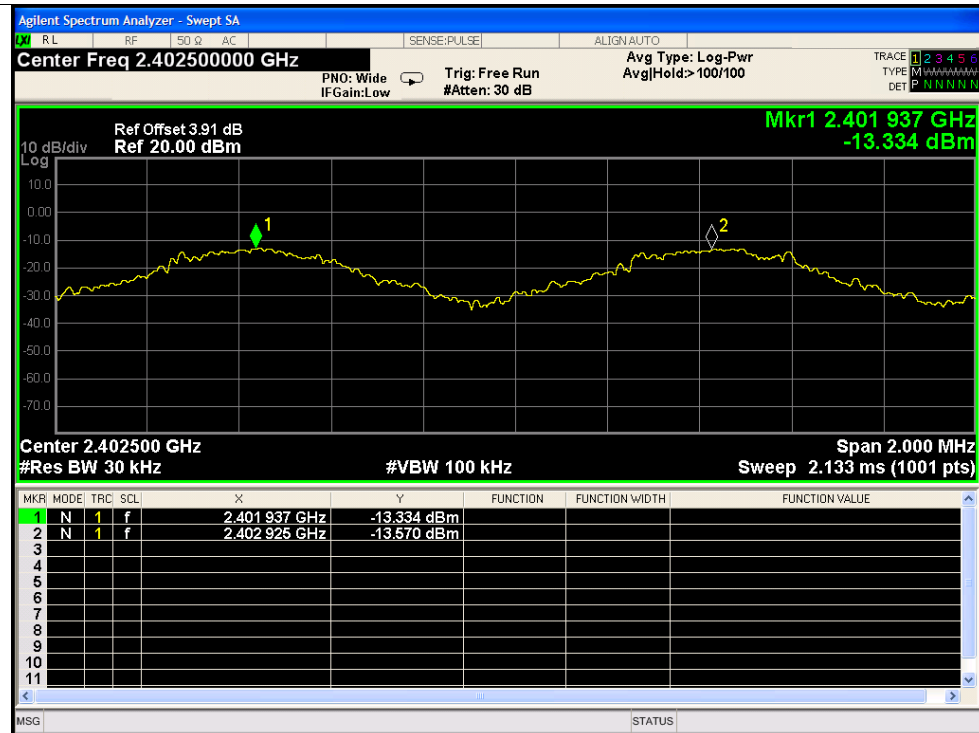


5. Carrier Frequencies Separation (Hopping)

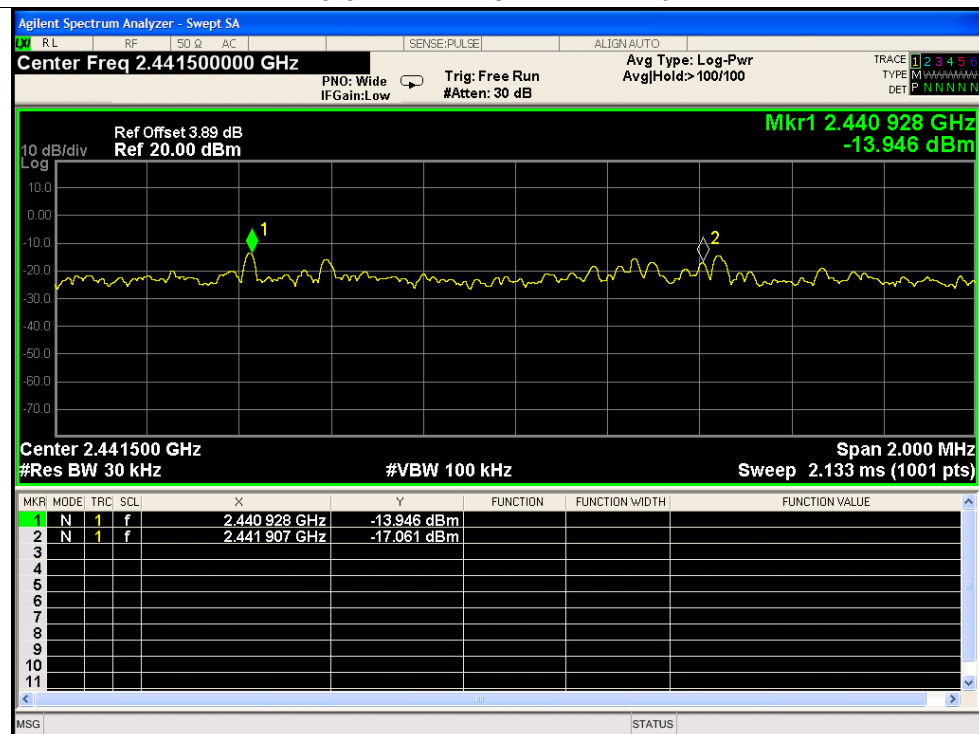
Condition	Mode	Antenna	Channel Frequency (MHz)	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402	2401.937	2402.925	0.988	>0.615	Pass
NVNT	1-DH5	Ant1	2441	2440.928	2441.907	0.979	>0.677	Pass
NVNT	1-DH5	Ant1	2480	2478.94	2479.907	0.967	>0.656	Pass
NVNT	2-DH5	Ant1	2402	2401.96	2402.923	0.963	>0.891	Pass
NVNT	2-DH5	Ant1	2441	2440.956	2442.035	1.079	>0.873	Pass
NVNT	2-DH5	Ant1	2480	2478.904	2479.858	0.954	>0.865	Pass
NVNT	3-DH5	Ant1	2402	2401.916	2402.948	1.032	>0.877	Pass
NVNT	3-DH5	Ant1	2441	2440.914	2441.891	0.977	>0.853	Pass
NVNT	3-DH5	Ant1	2480	2479.066	2480.125	1.059	>0.866	Pass
Note: Limit = 20dB bandwidth * 2/3								

Test Graphs

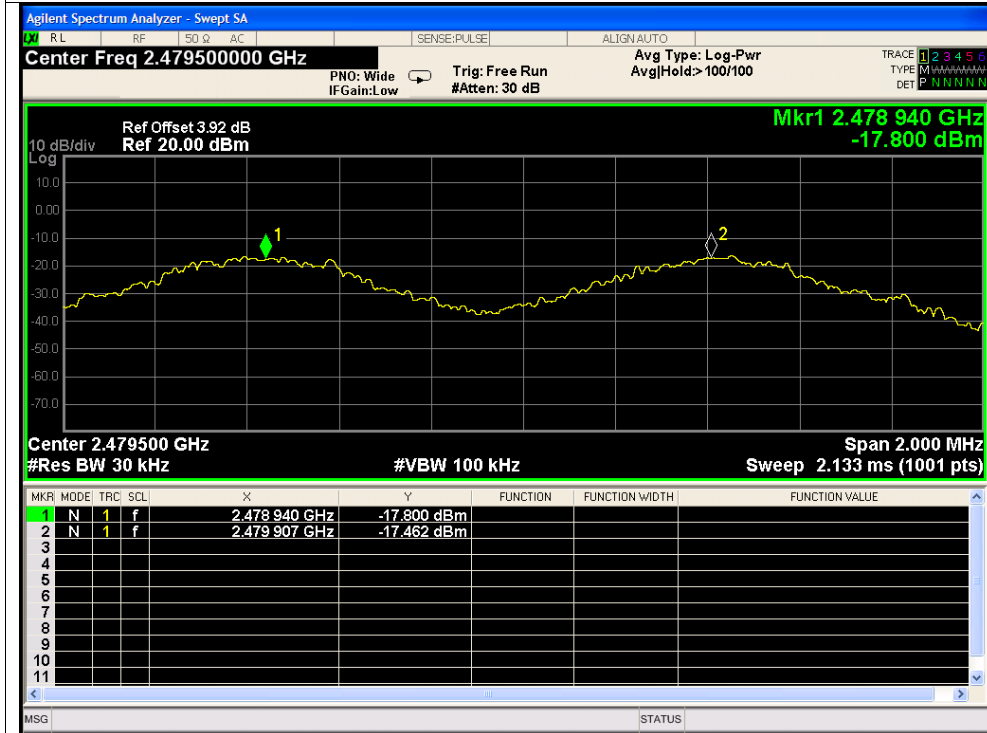
CFS NVNT 1-DH5 2402MHz Ant1



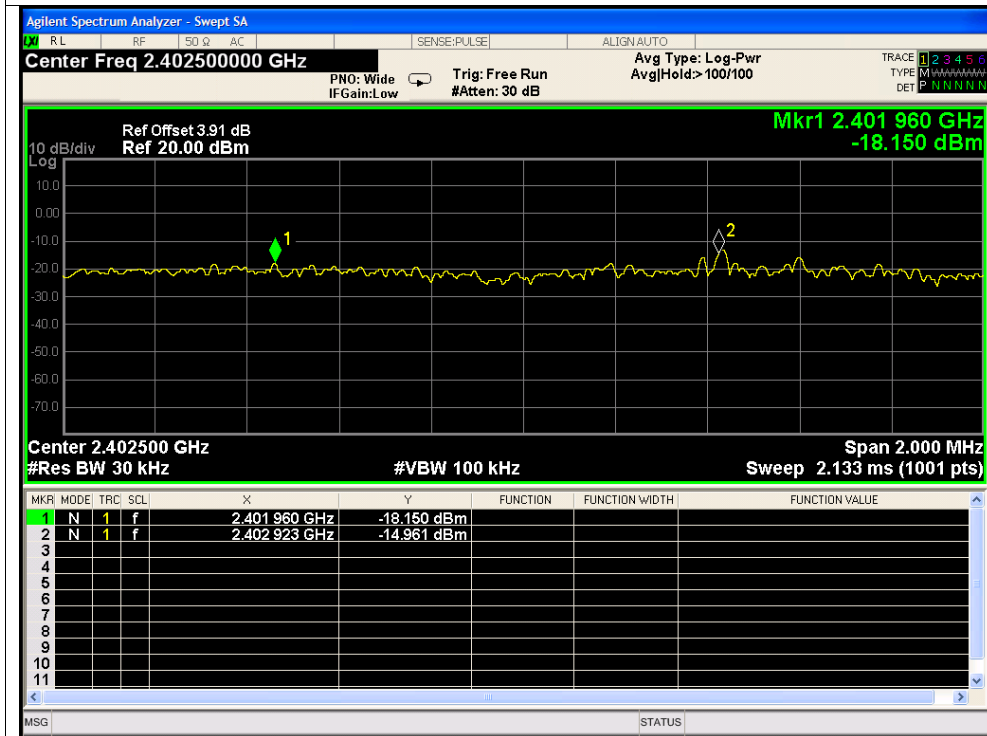
CFS NVNT 1-DH5 2441MHz Ant1



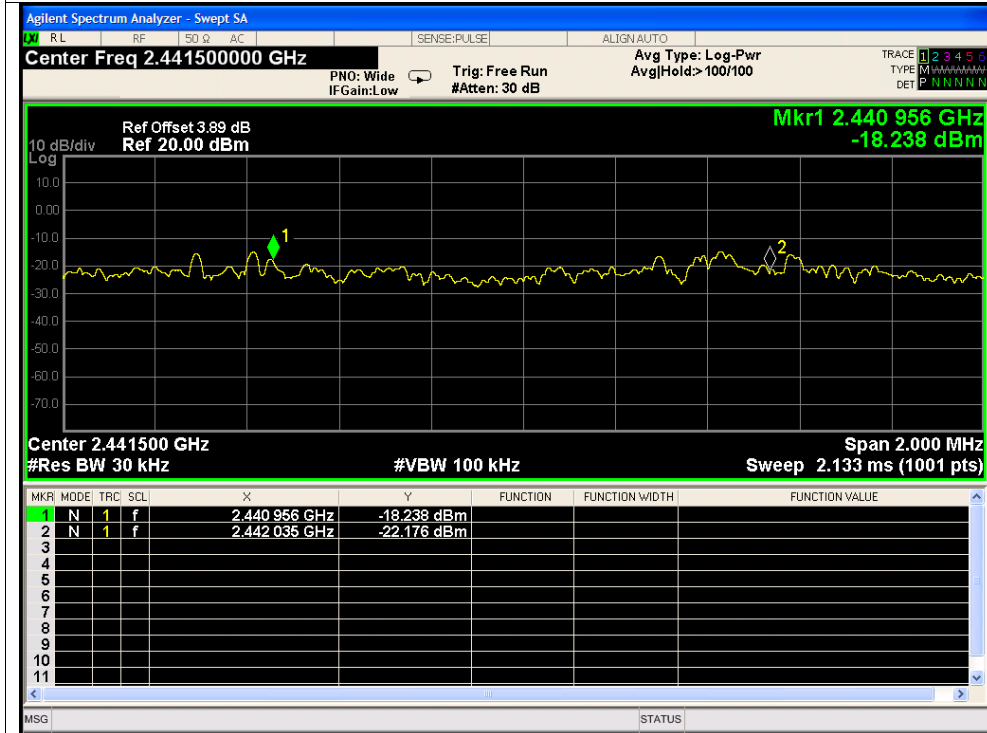
CFS NVNT 1-DH5 2480MHz Ant1



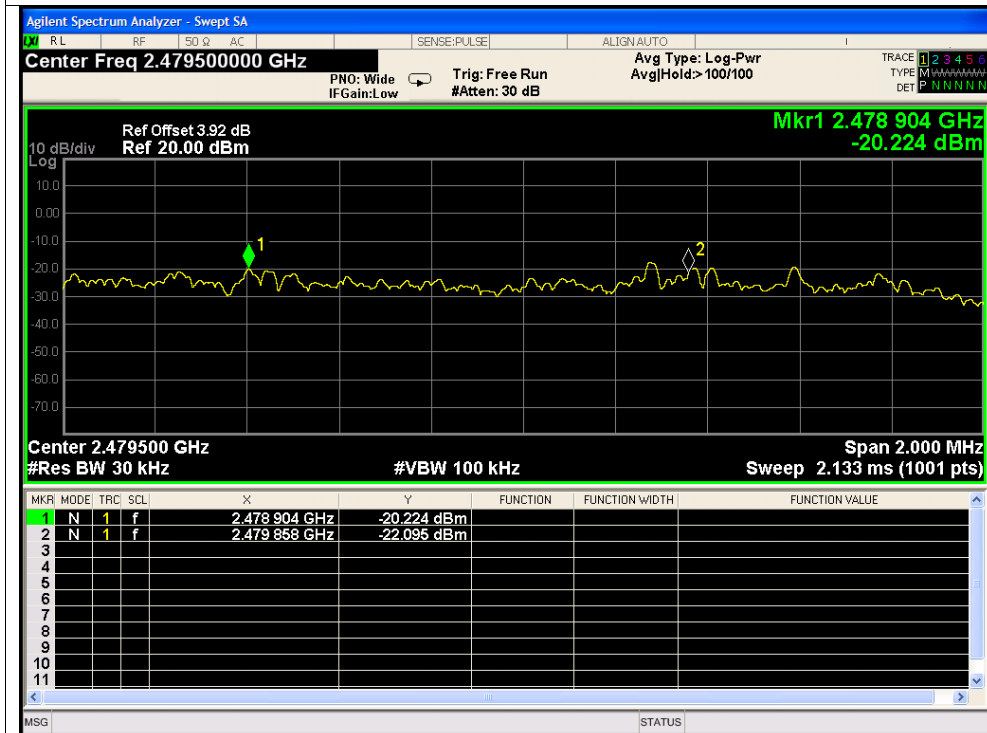
CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2441MHz Ant1

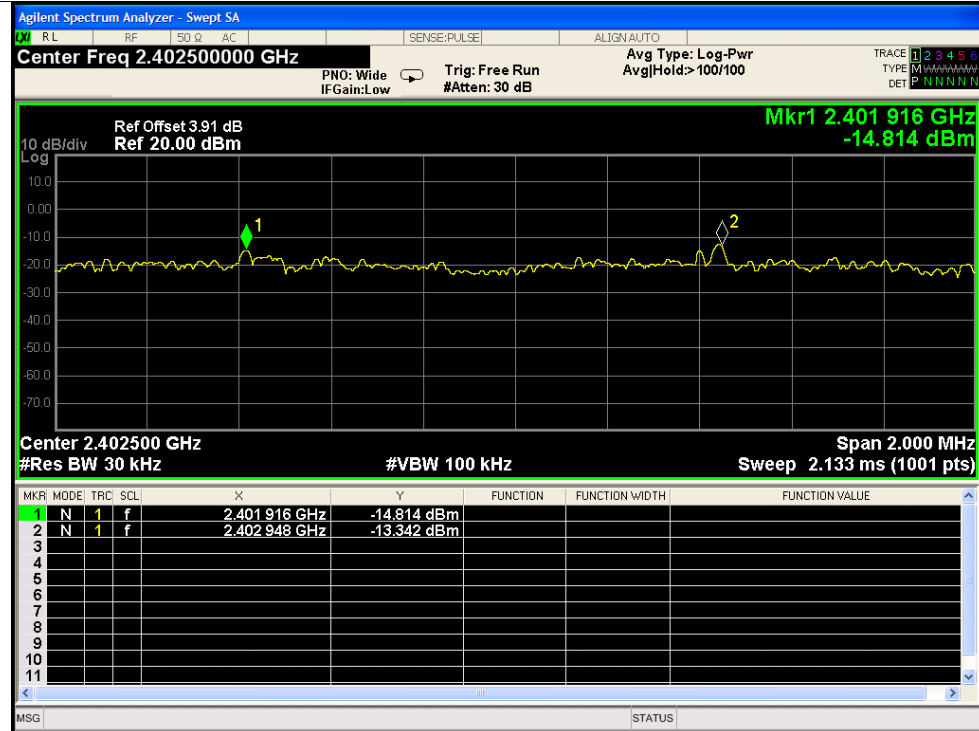


CFS NVNT 2-DH5 2480MHz Ant1

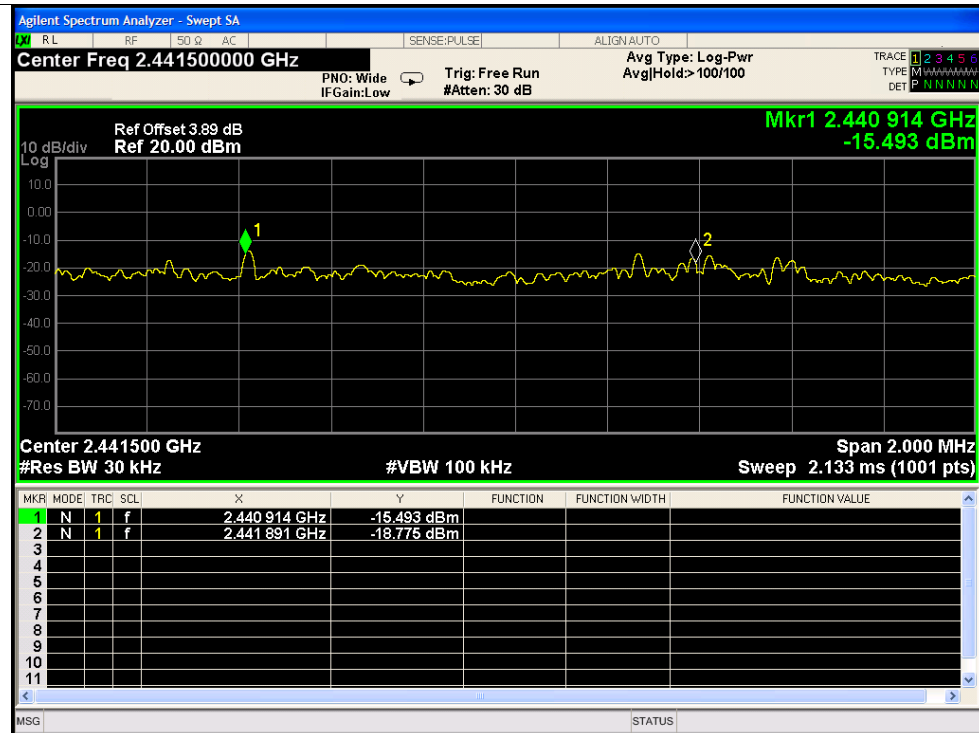


Test Graphs

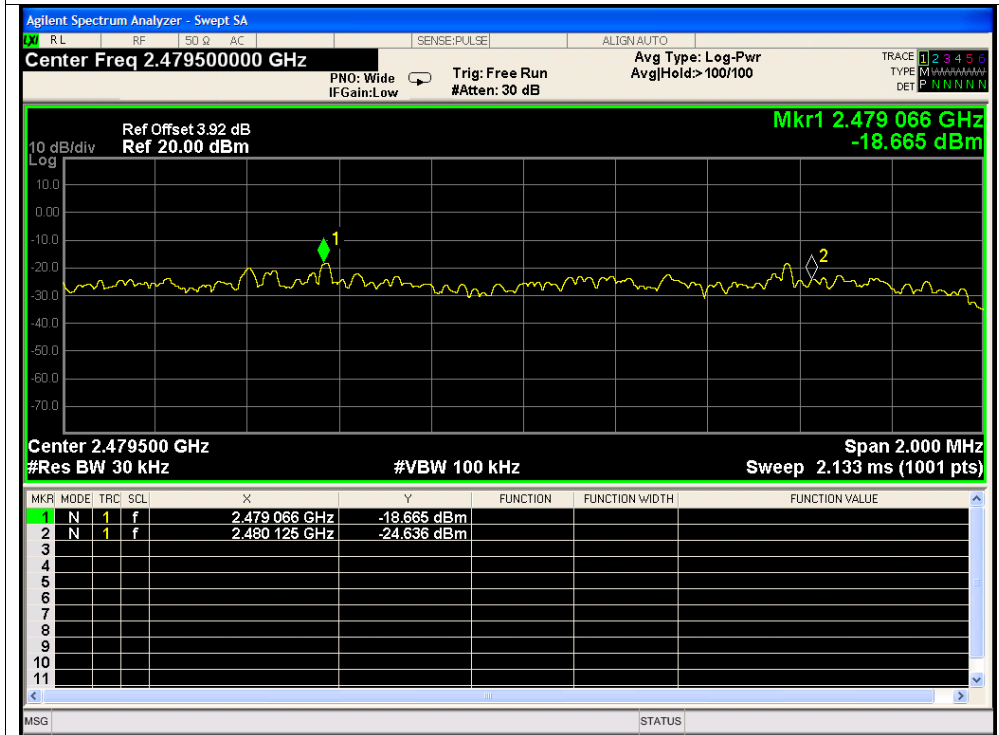
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

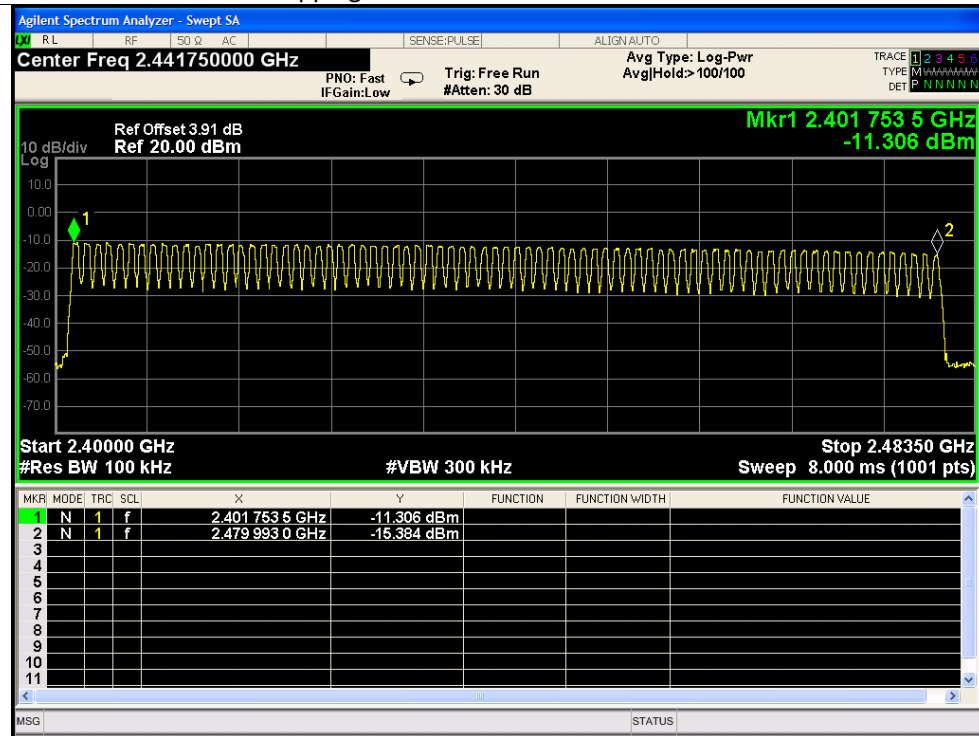


6. Number of Hopping Channel (Hopping)

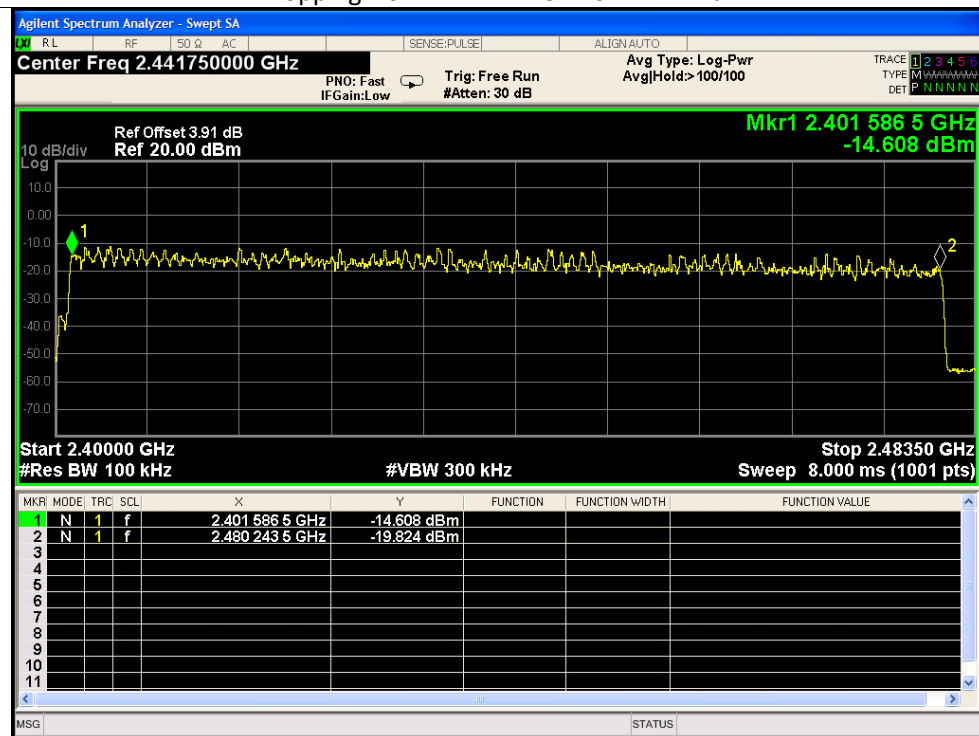
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

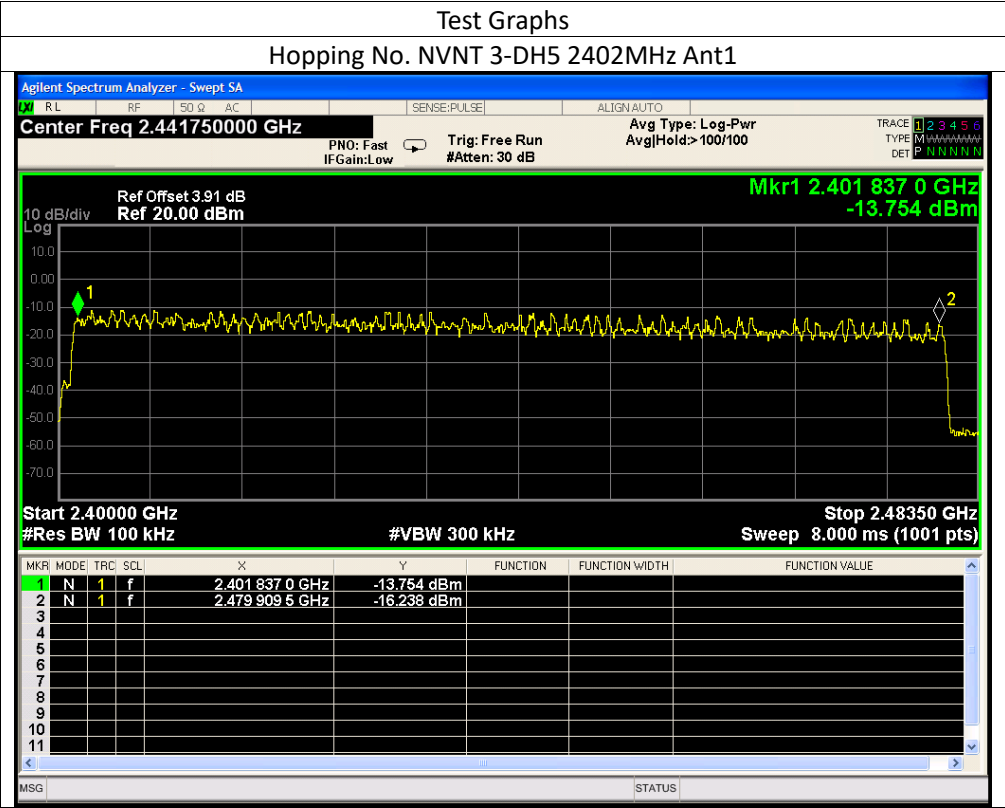
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





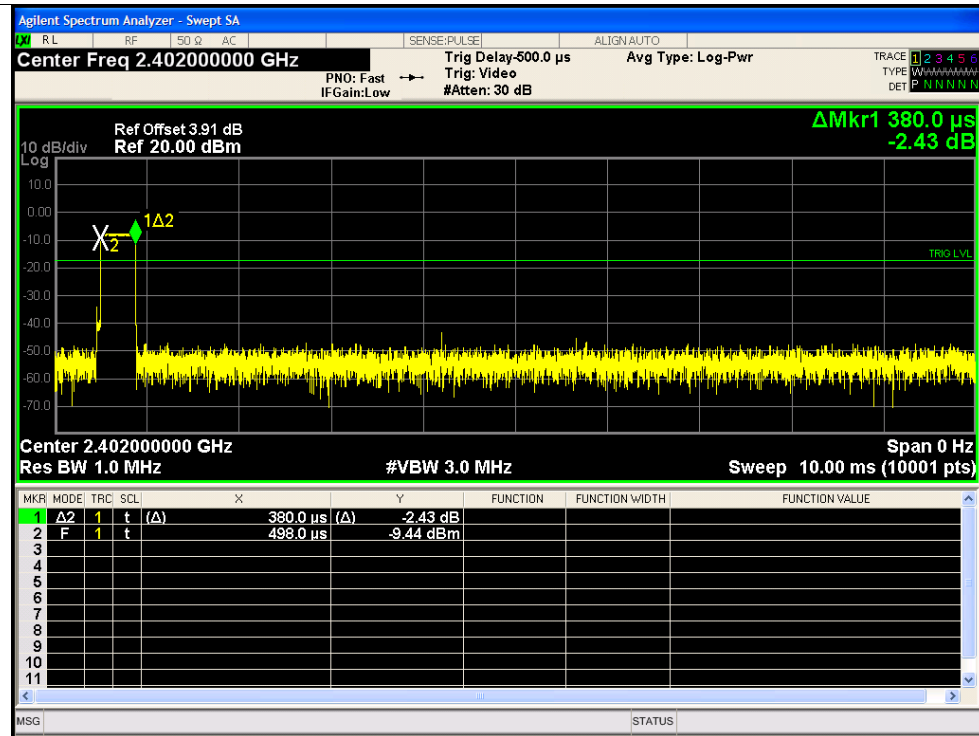
7. Dwell Time (Hopping)

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	0.380	121.600	<400	Pass
NVNT	1-DH3	2402	Ant1	1.644	263.040	<400	Pass
NVNT	1-DH5	2402	Ant1	2.892	308.480	<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

