

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).....	20
6. Number of Hopping Channel (Hopping).....	26
7. Dwell Time (Hopping).....	32

FCC ID: 2BNVJ-L7

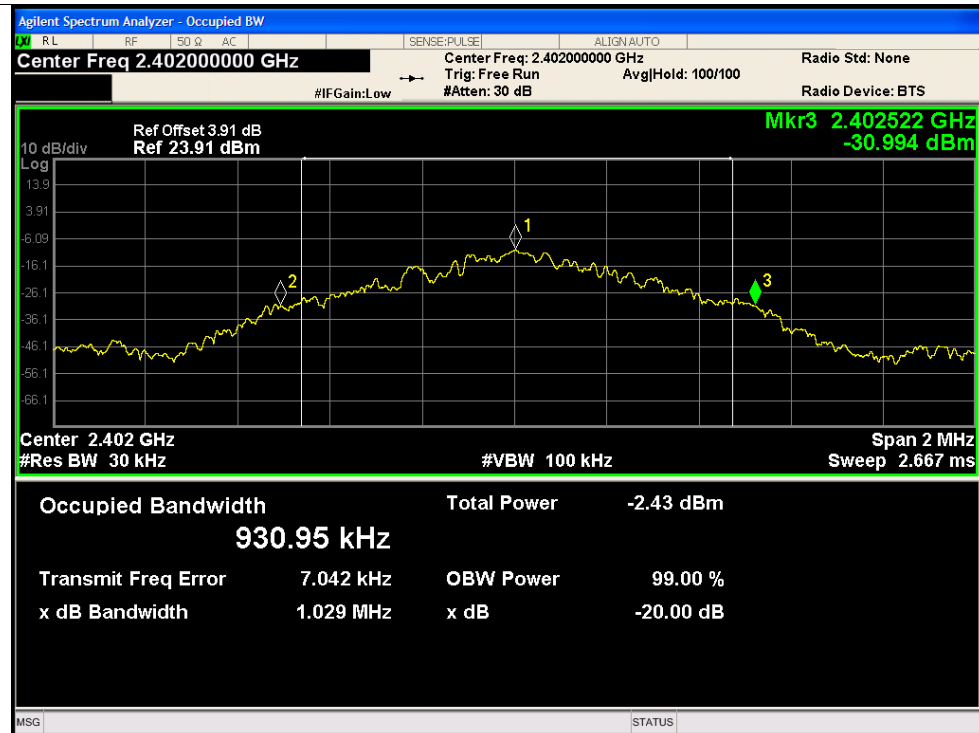
BT Test Data

1. -20dB Bandwidth and 99% Occupied Bandwidth

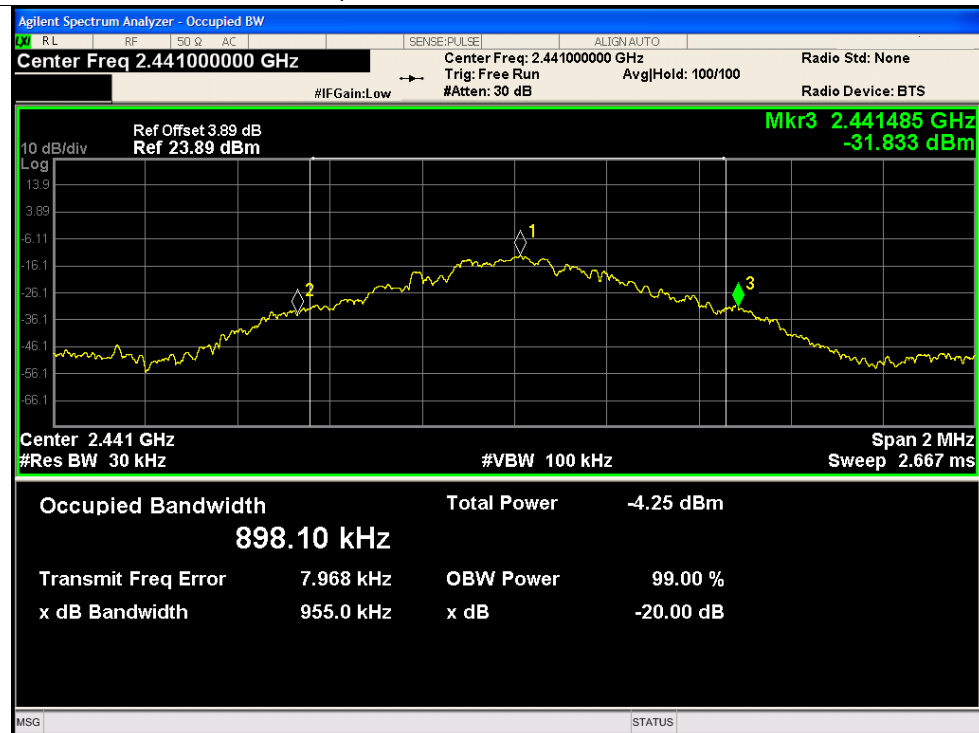
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.029	0.930	N/A	Pass
NVNT	1-DH1	2441	Ant1	0.955	0.898	N/A	Pass
NVNT	1-DH1	2480	Ant1	0.987	0.914	N/A	Pass
NVNT	1-DH3	2402	Ant1	0.961	0.915	N/A	Pass
NVNT	1-DH3	2441	Ant1	0.958	0.908	N/A	Pass
NVNT	1-DH3	2480	Ant1	0.954	0.890	N/A	Pass
NVNT	1-DH5	2402	Ant1	0.937	0.890	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.898	0.886	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.858	0.867	N/A	Pass

Test Graphs

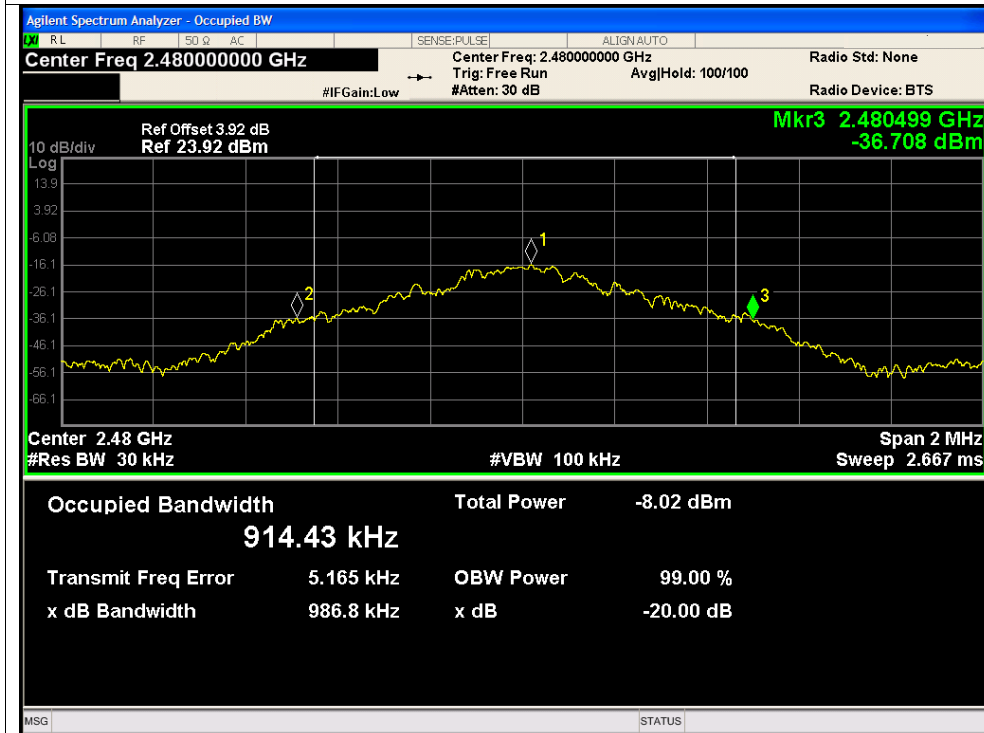
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH1 2402MHz Ant1



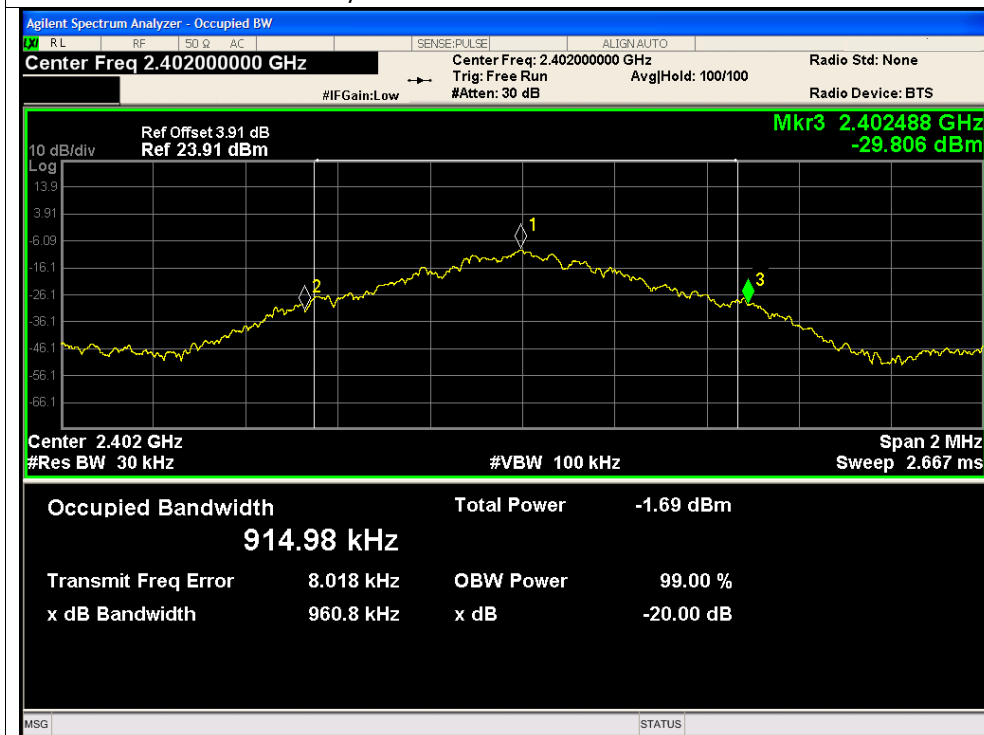
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH1 2441MHz Ant1



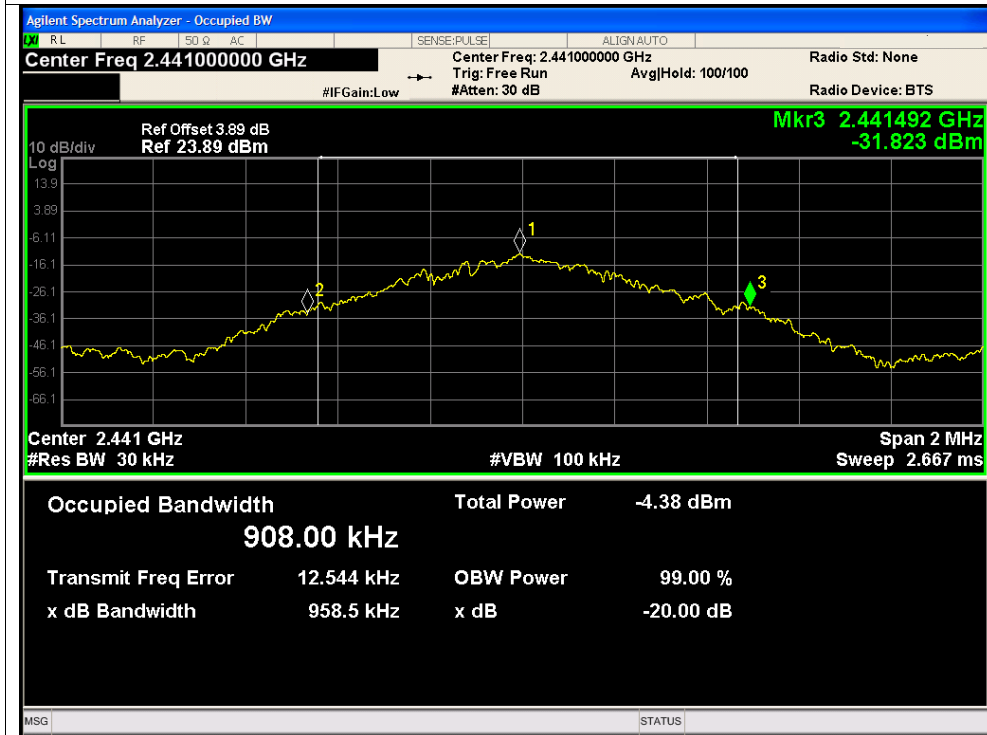
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH1 2480MHz Ant1



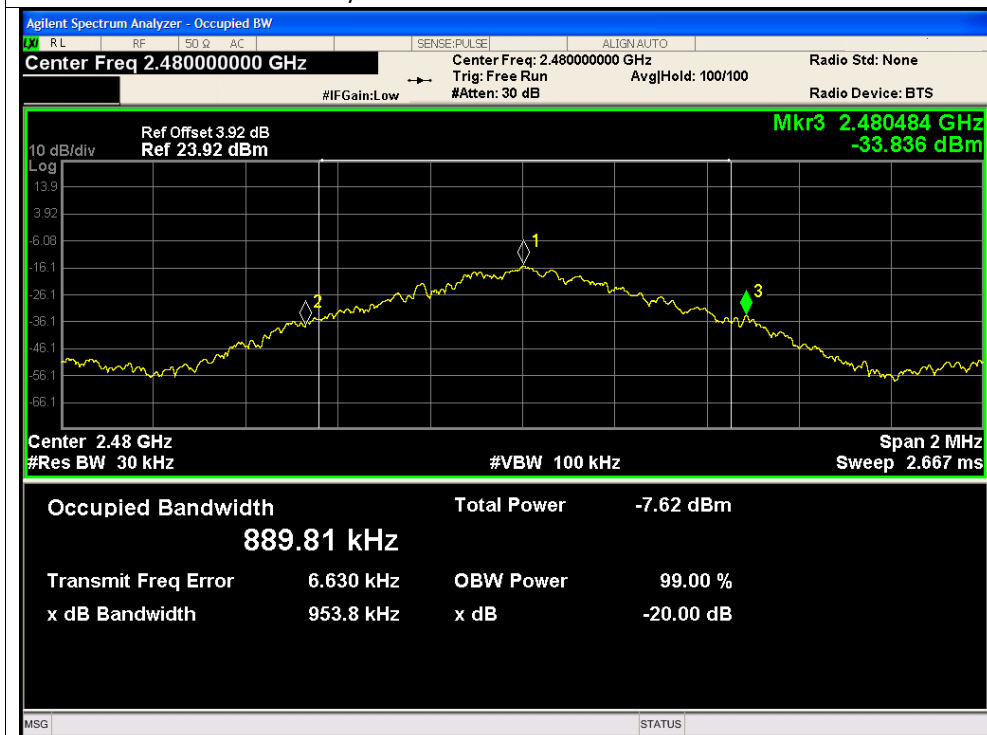
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH3 2402MHz Ant1



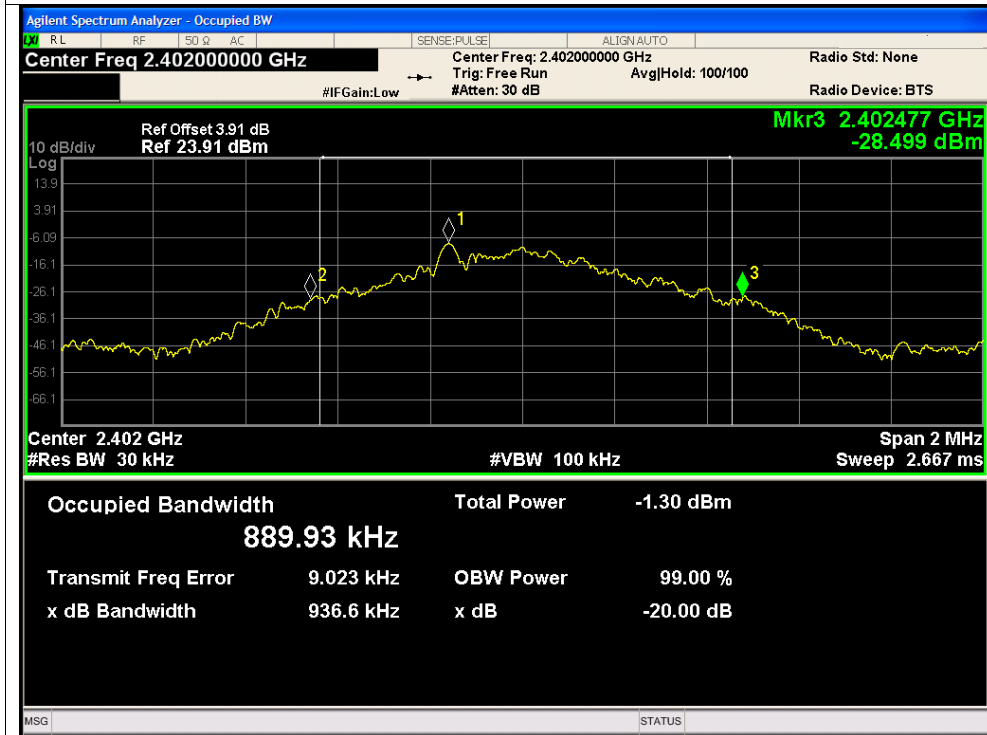
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH3 2441MHz Ant1



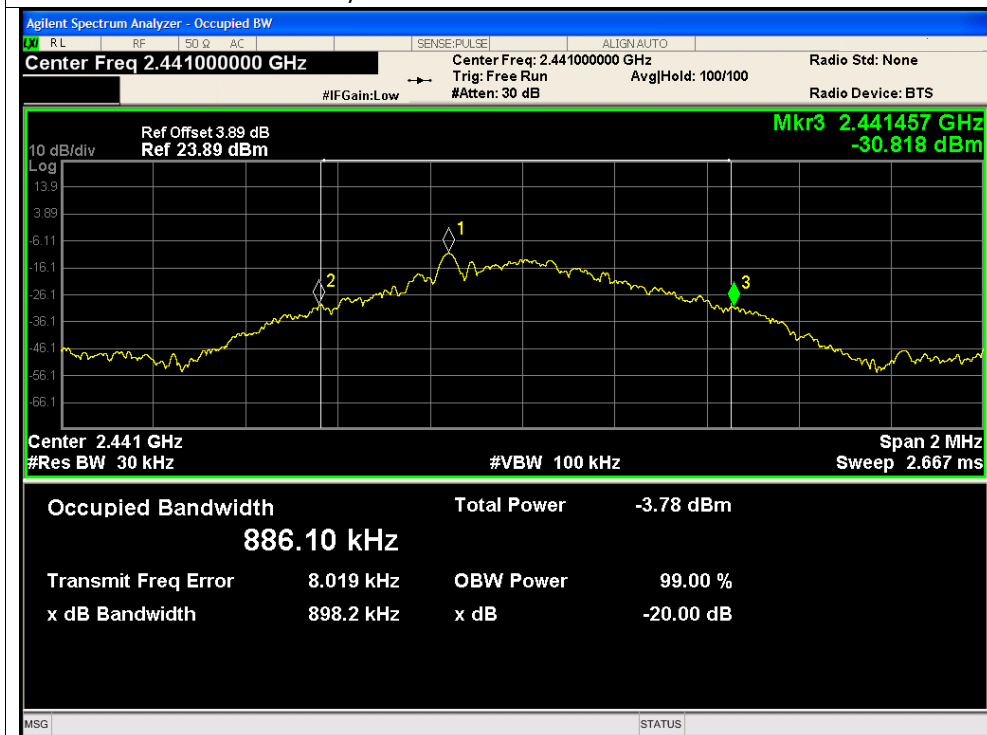
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH3 2480MHz Ant1



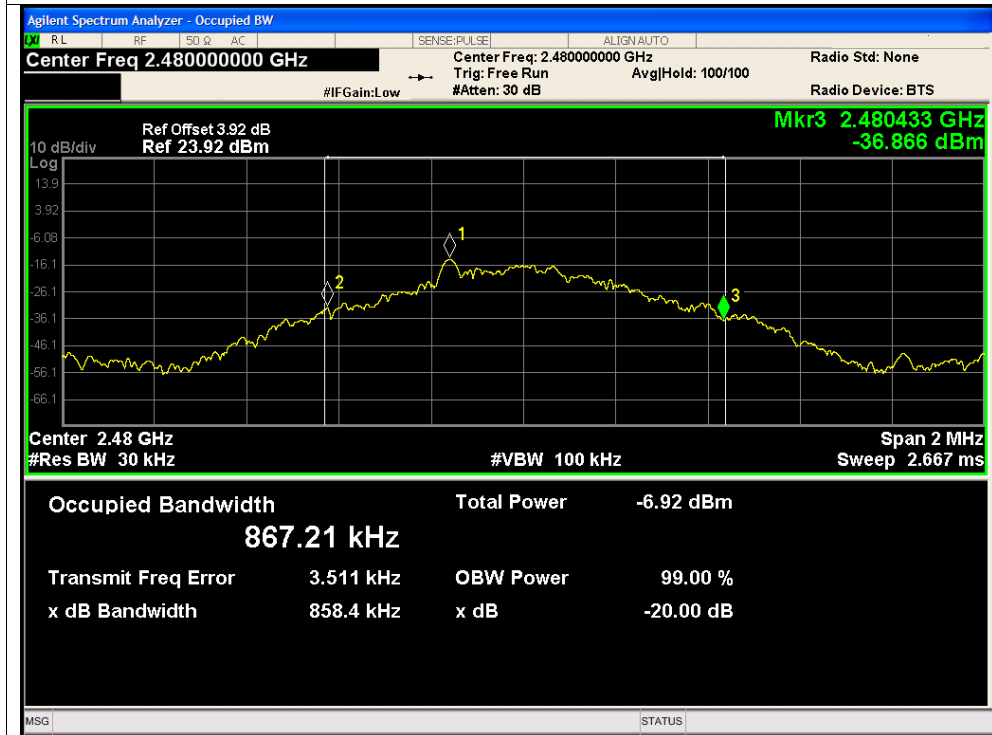
-20dB Bandwidth / 99% Bandwidth NVNT 1-DH5 2402MHz Ant1



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



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

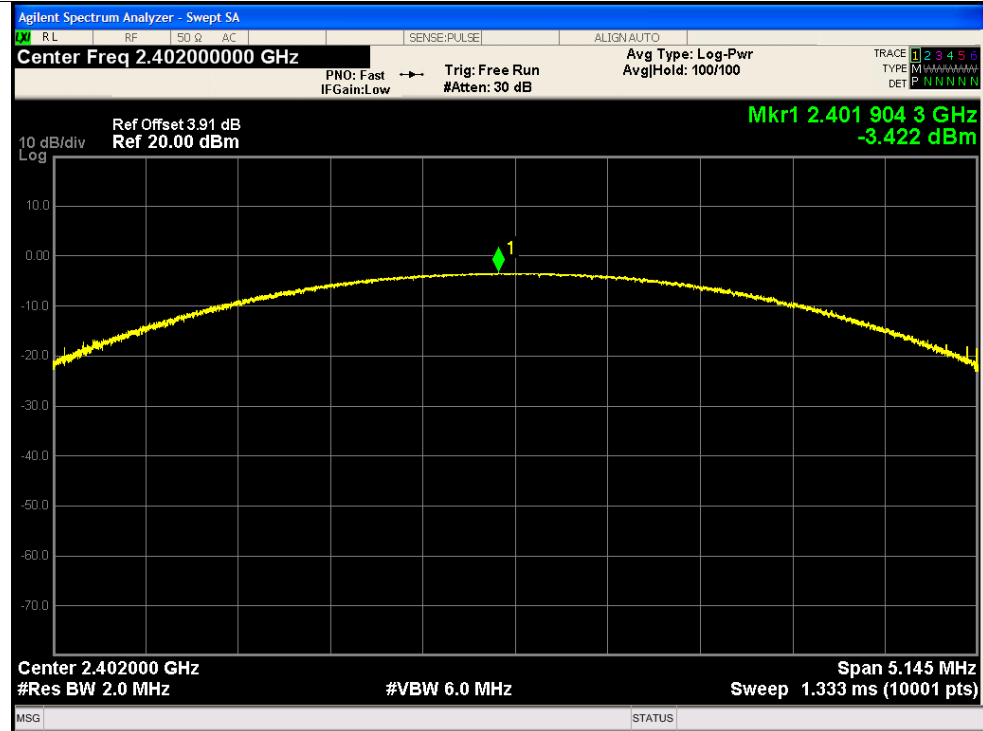


2. Peak Output Power

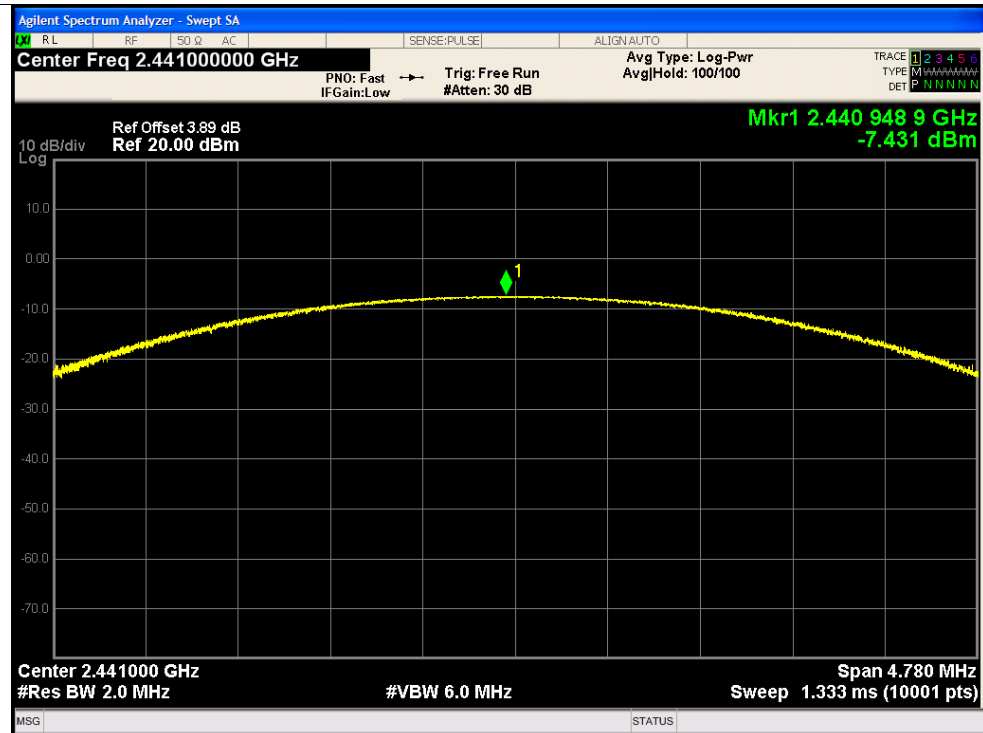
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-3.42	21	Pass
NVNT	1-DH1	2441	Ant1	-7.43	21	Pass
NVNT	1-DH1	2480	Ant1	-9.16	21	Pass
NVNT	1-DH3	2402	Ant1	-3.49	21	Pass
NVNT	1-DH3	2441	Ant1	-7.54	21	Pass
NVNT	1-DH3	2480	Ant1	-9.23	21	Pass
NVNT	1-DH5	2402	Ant1	-3.48	21	Pass
NVNT	1-DH5	2441	Ant1	-7.53	21	Pass
NVNT	1-DH5	2480	Ant1	-9.21	21	Pass

Test Graphs

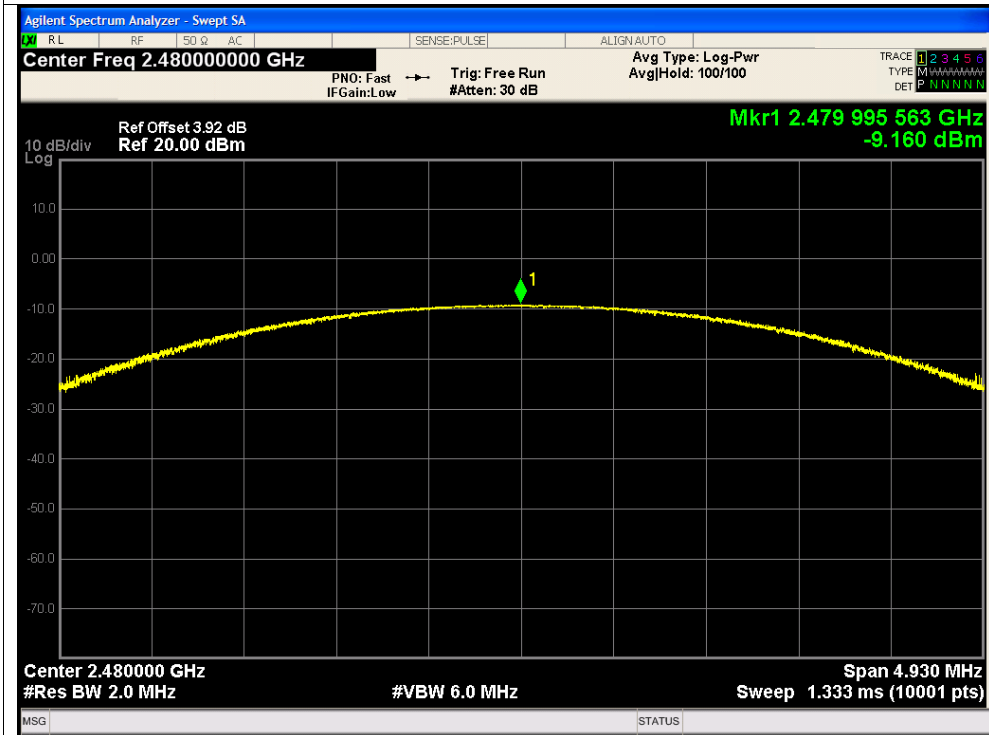
Power NVNT 1-DH1 2402MHz Ant1



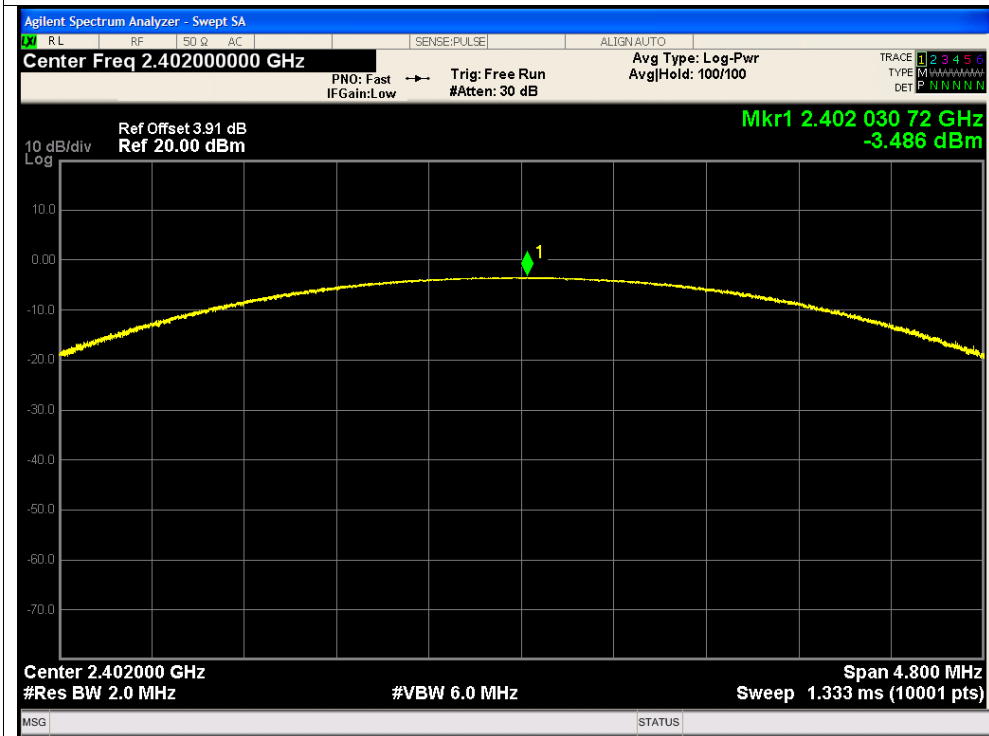
Power NVNT 1-DH1 2441MHz Ant1



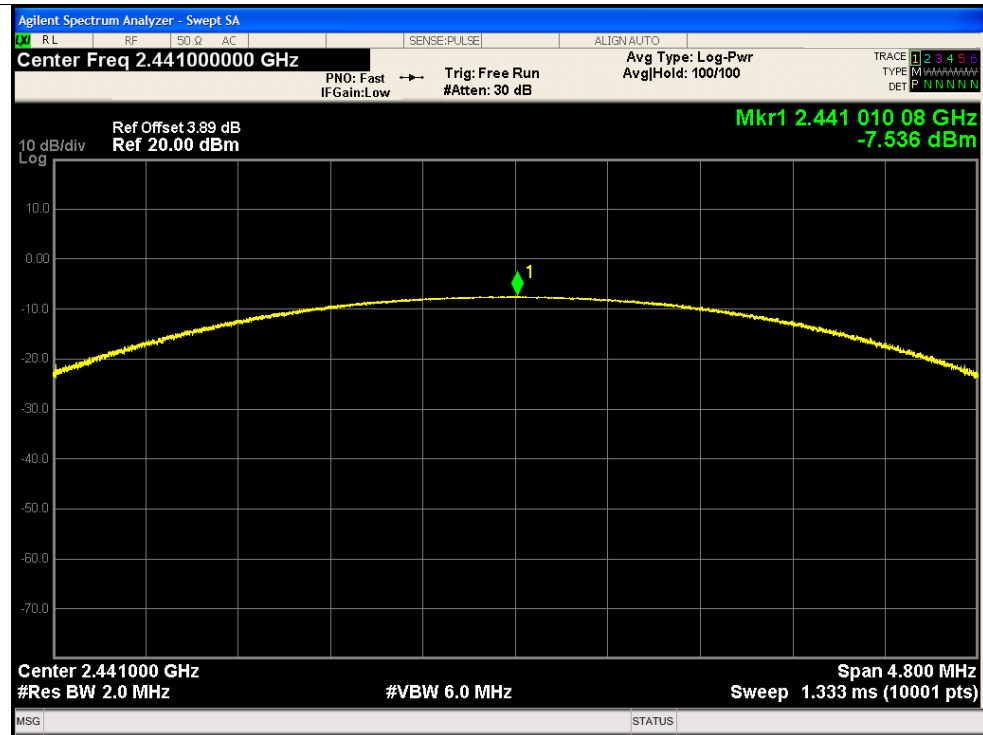
Power NVNT 1-DH1 2480MHz Ant1



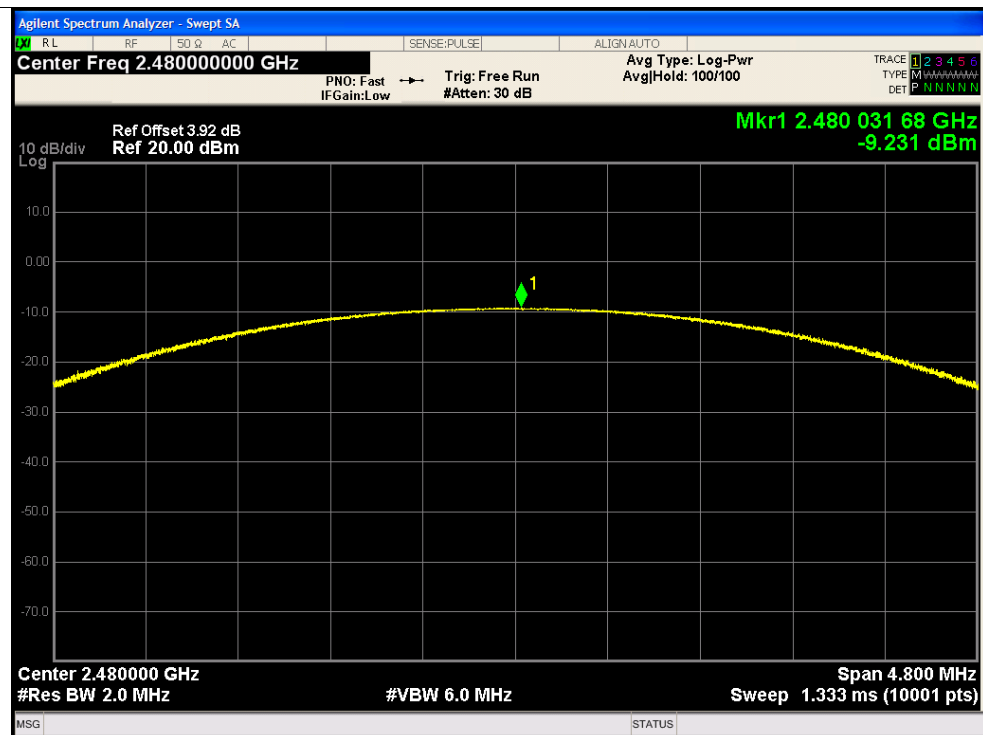
Power NVNT 1-DH3 2402MHz Ant1



Power NVNT 1-DH3 2441MHz Ant1

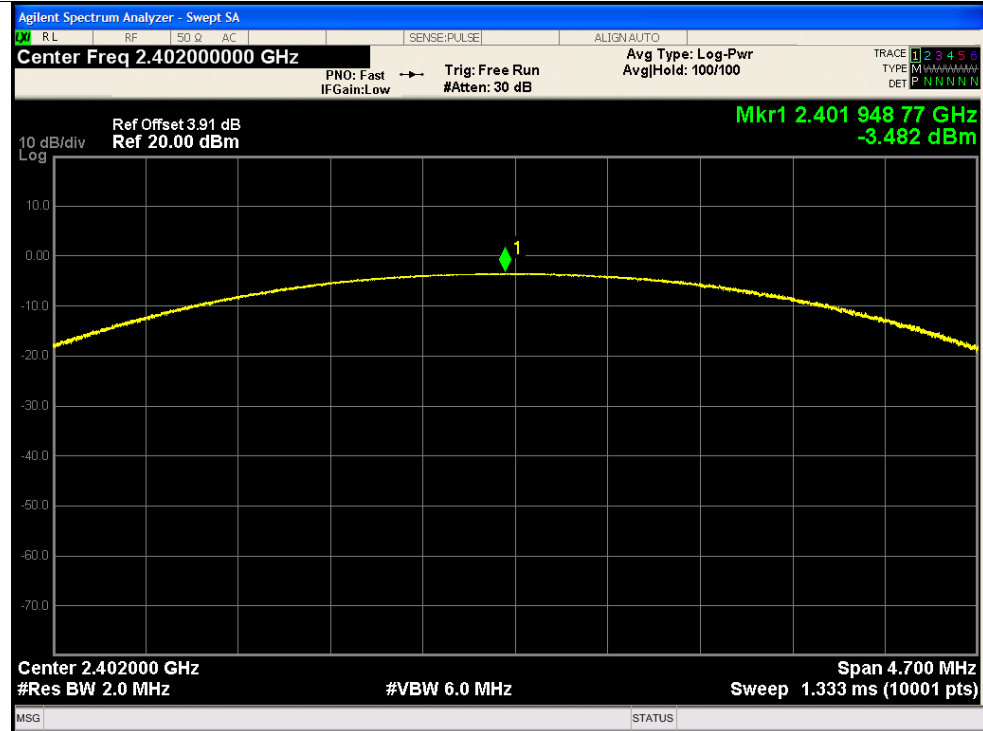


Power NVNT 1-DH3 2480MHz Ant1

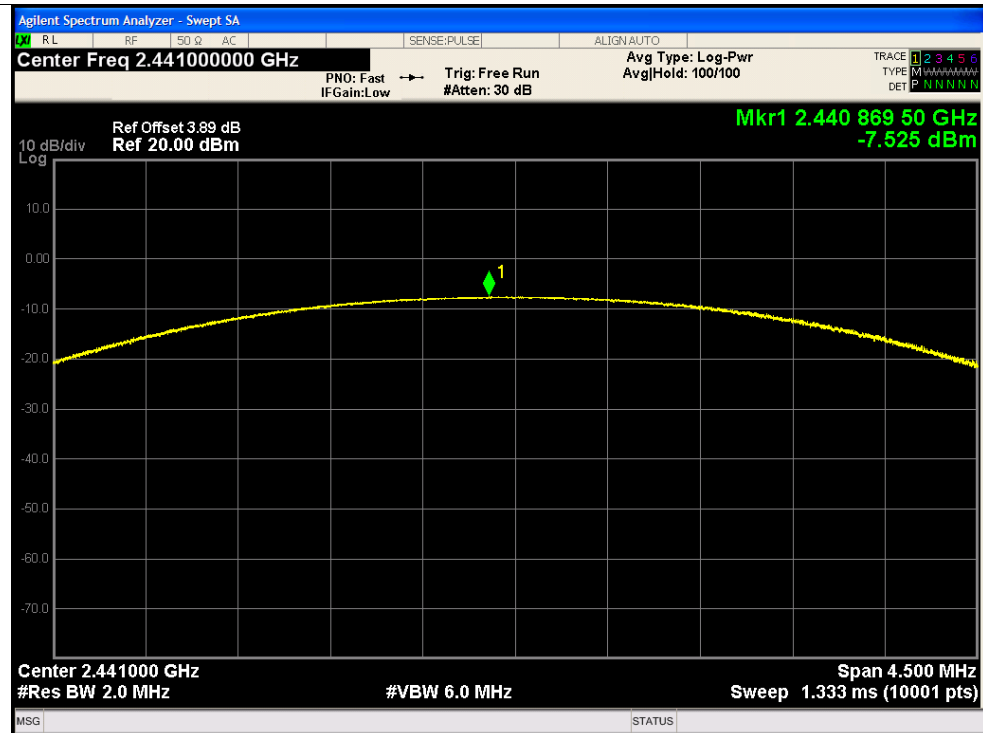


Test Graphs

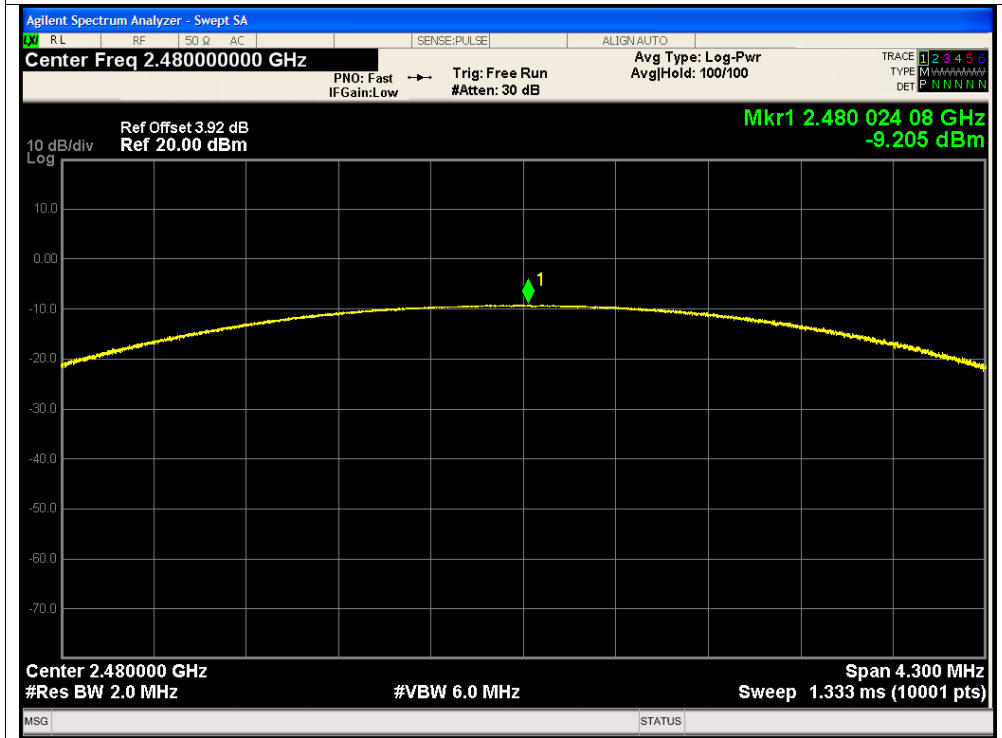
Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

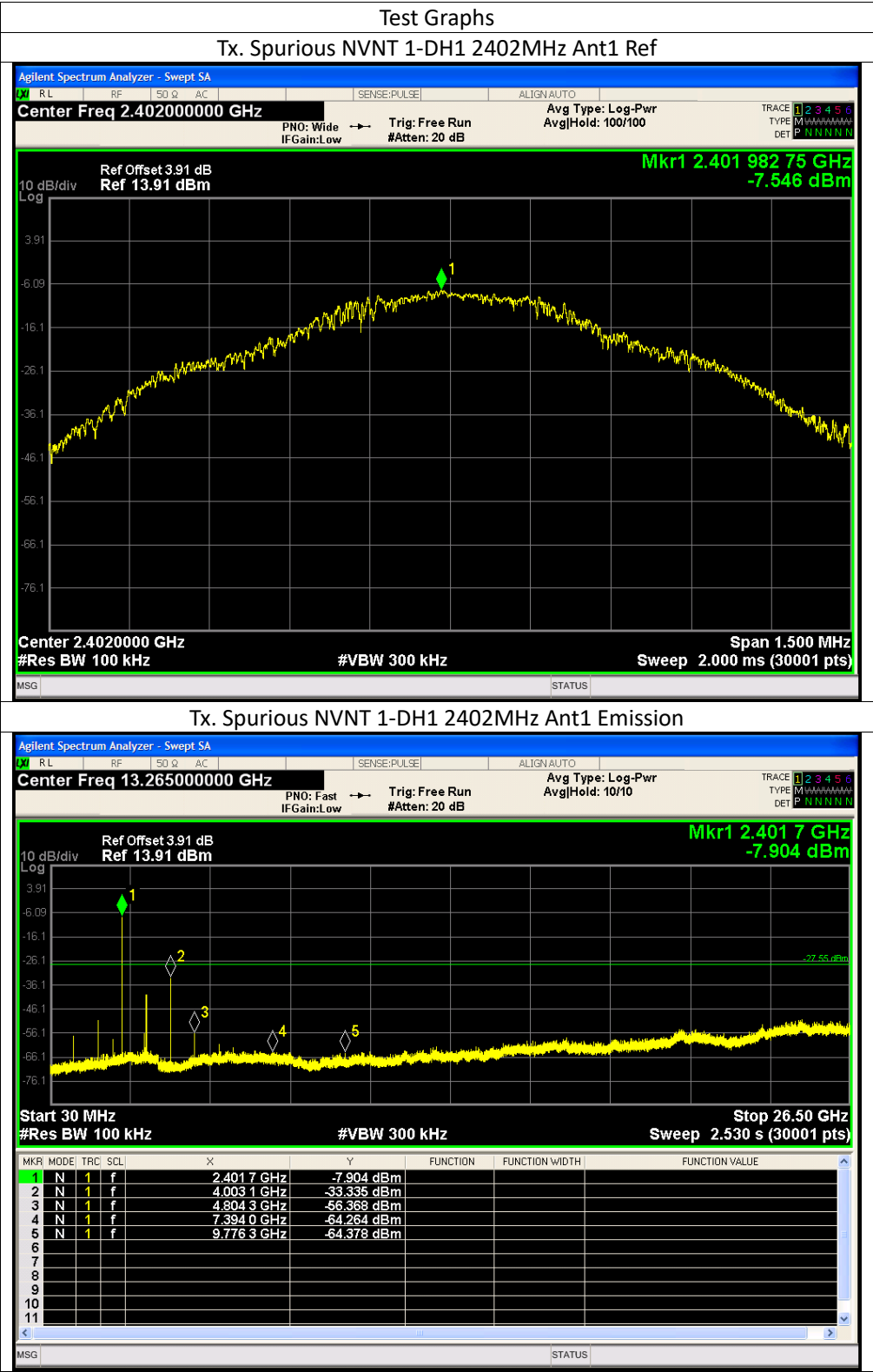


Power NVNT 1-DH5 2480MHz Ant1

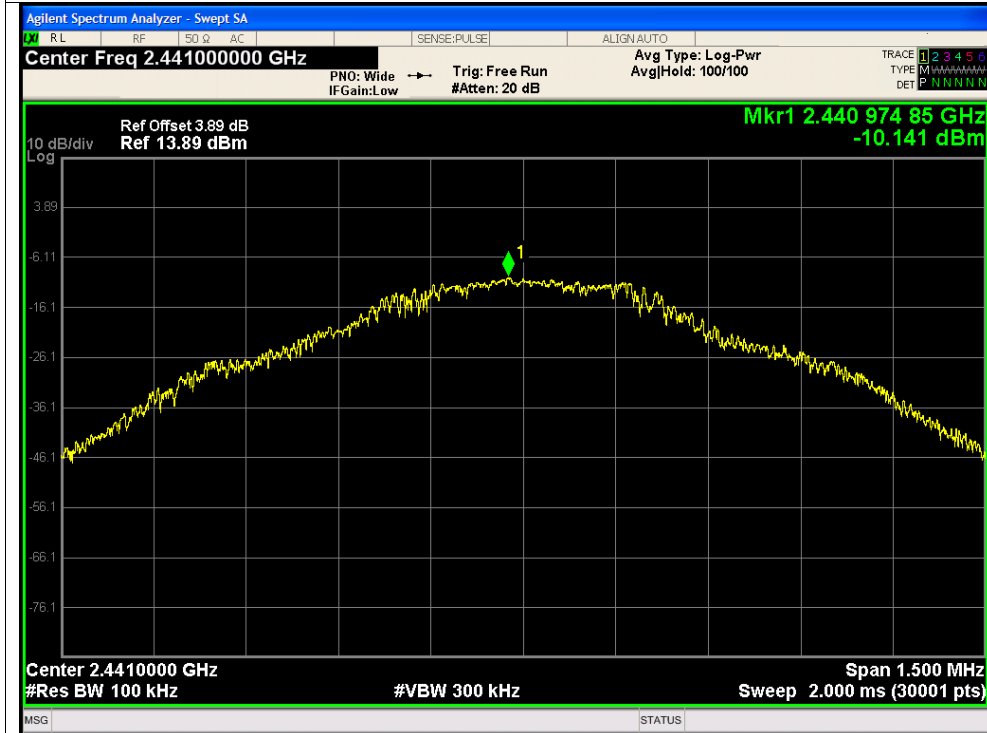


3. Spurious Emissions

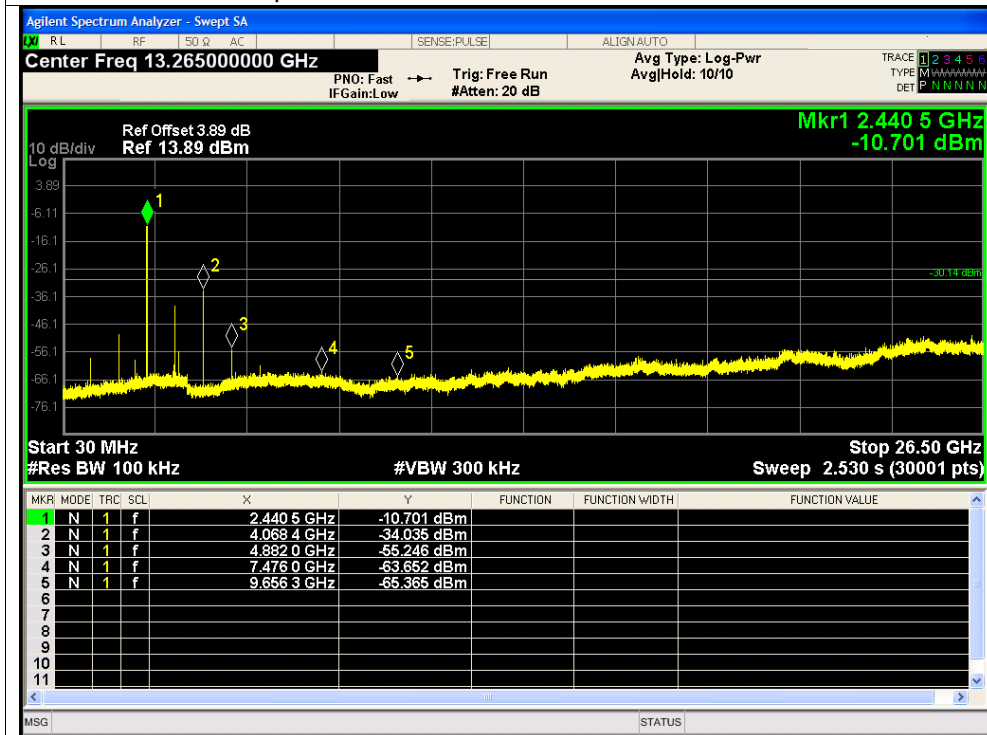
All the modes have tested and recorded the worst mode (GFSK) in the report



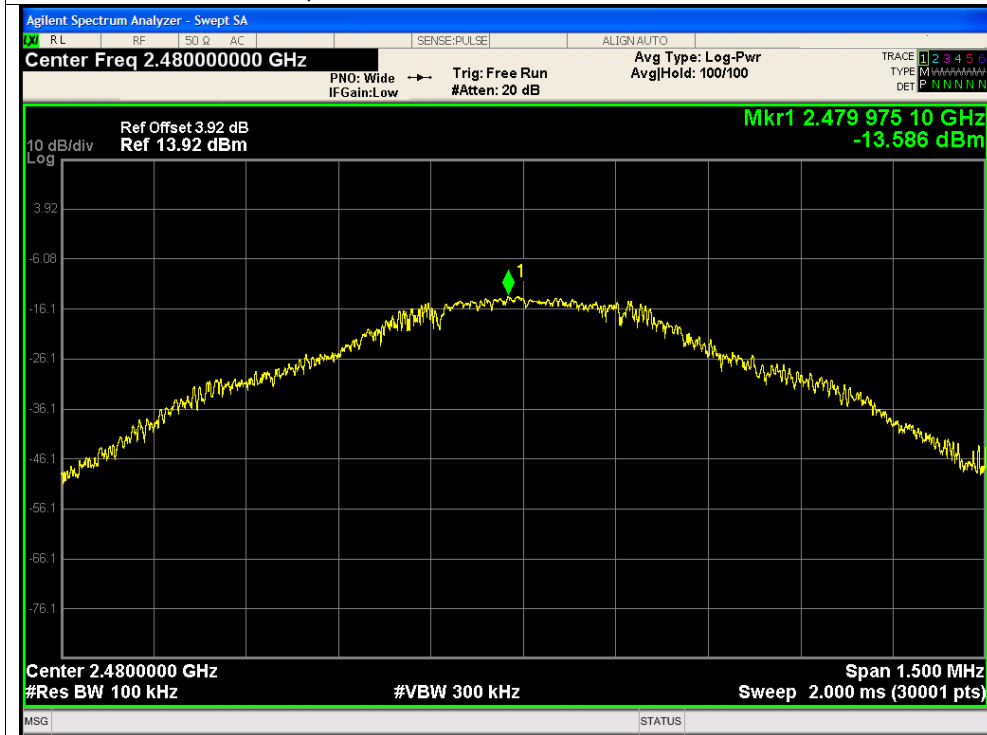
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



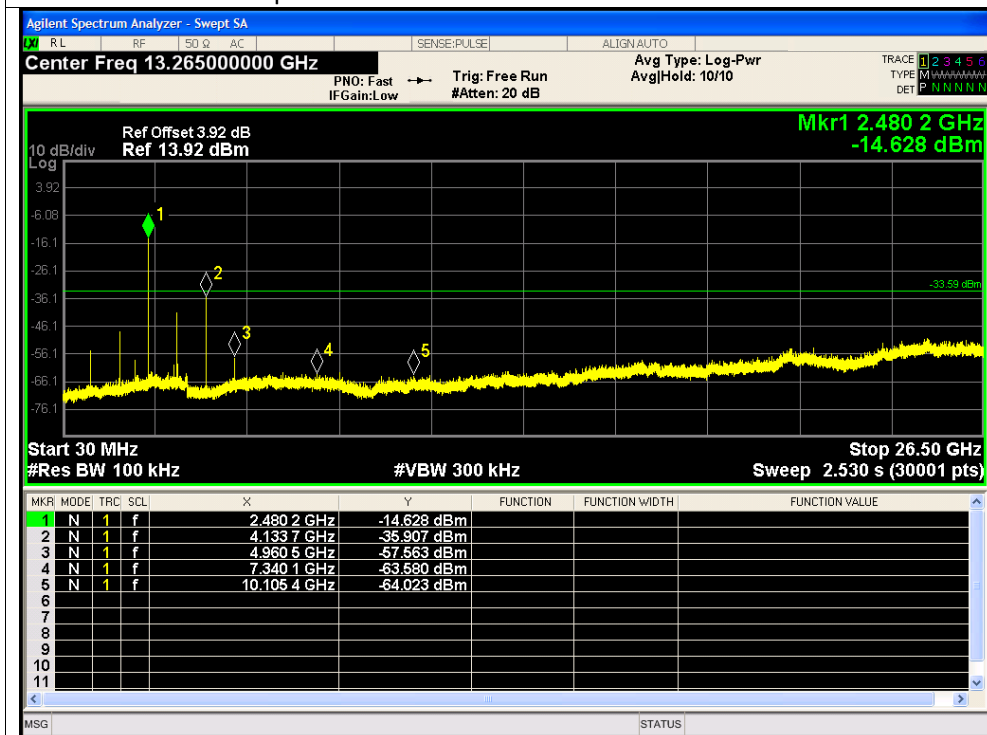
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref

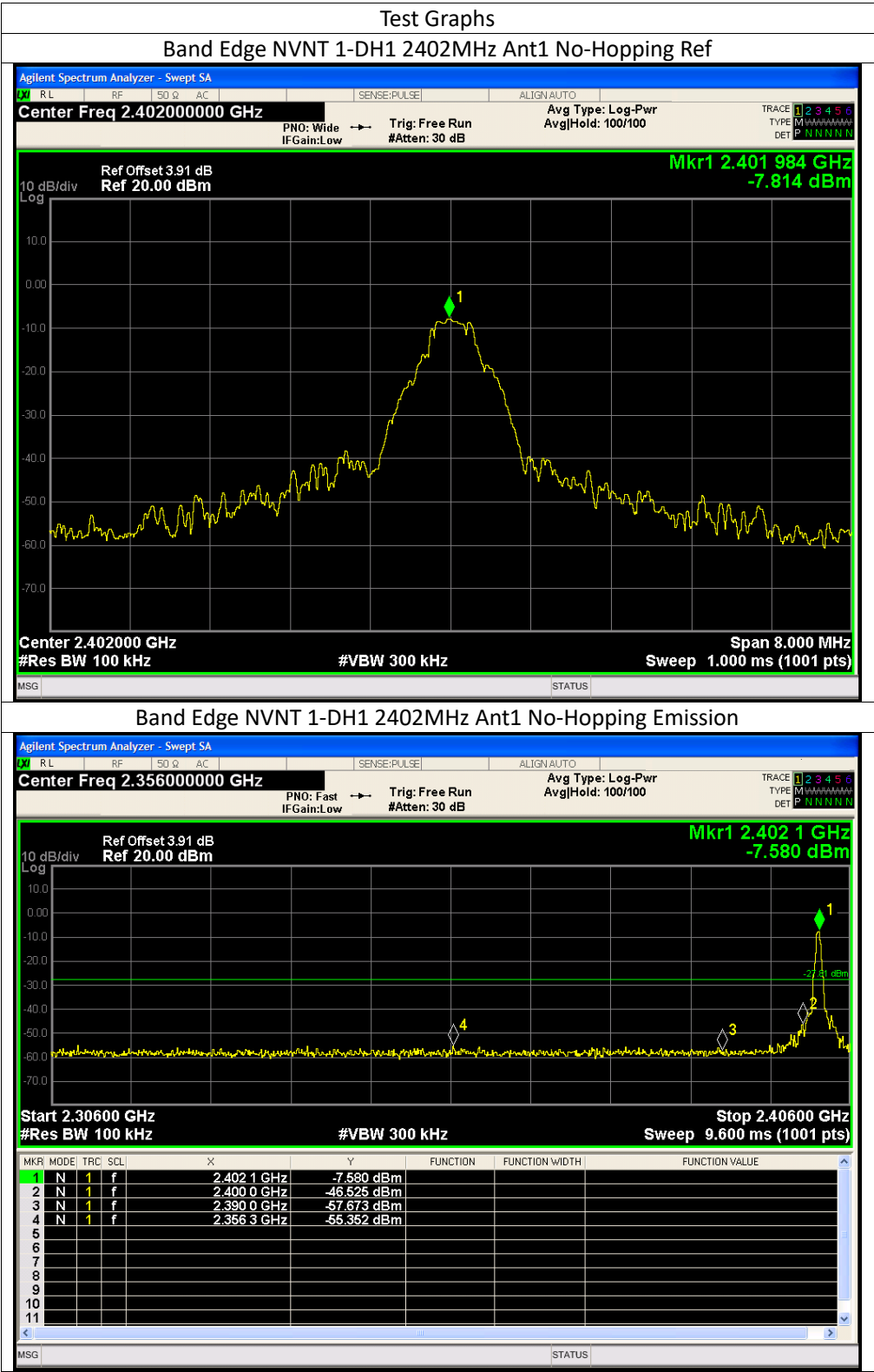


Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission

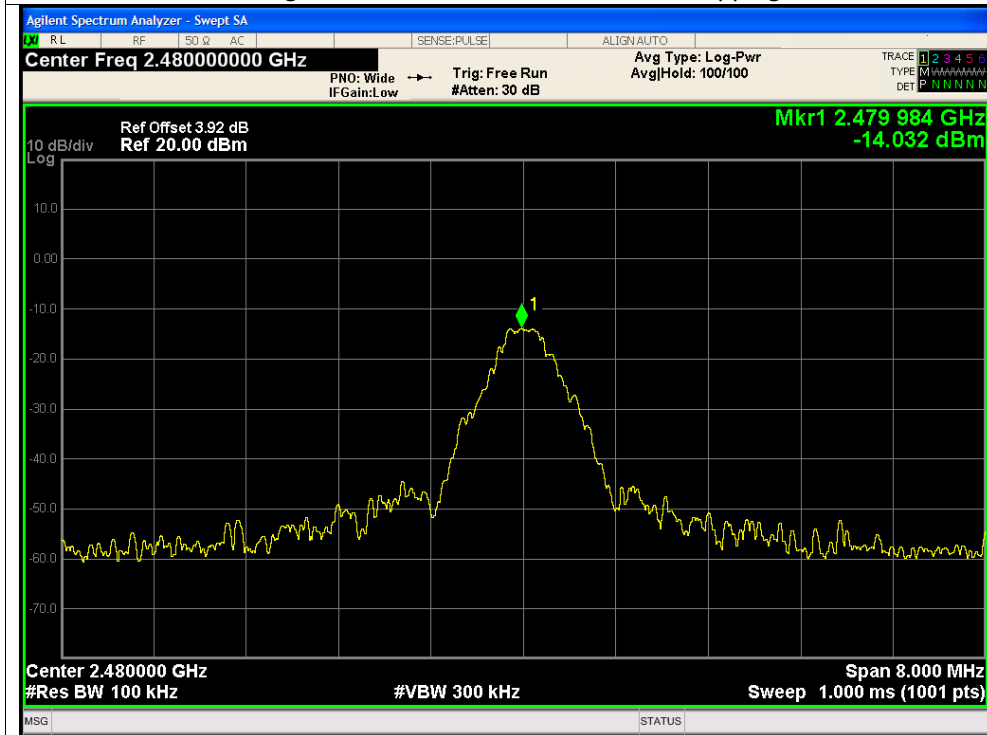


4. Bandedge

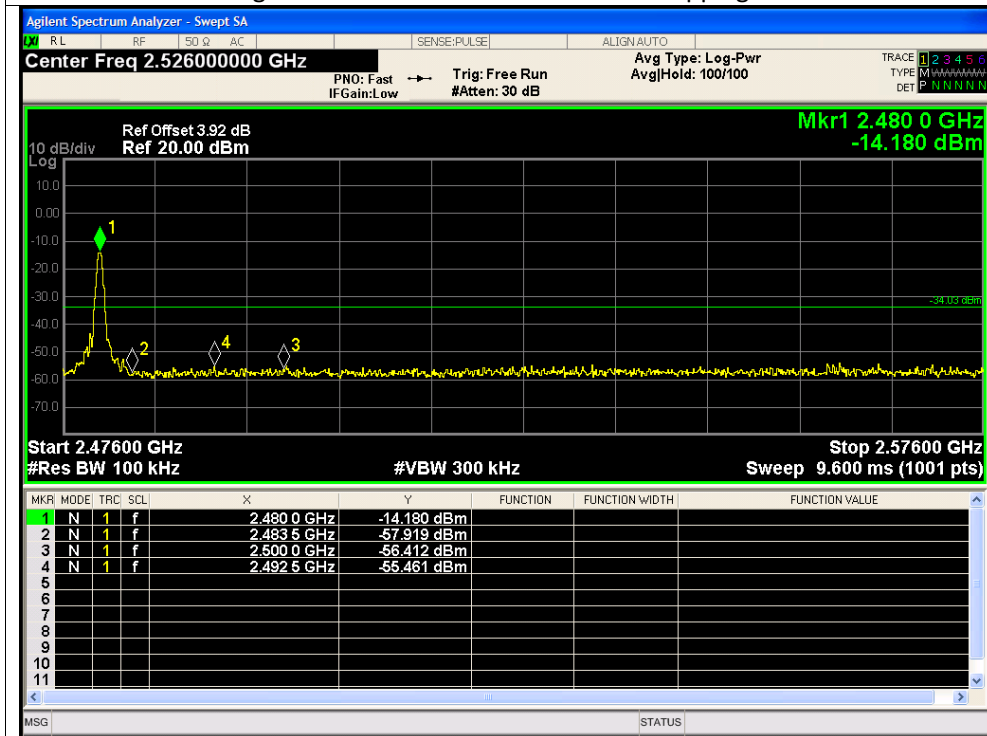
All the modes have tested and recorded the worst mode (GFSK) in the report



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



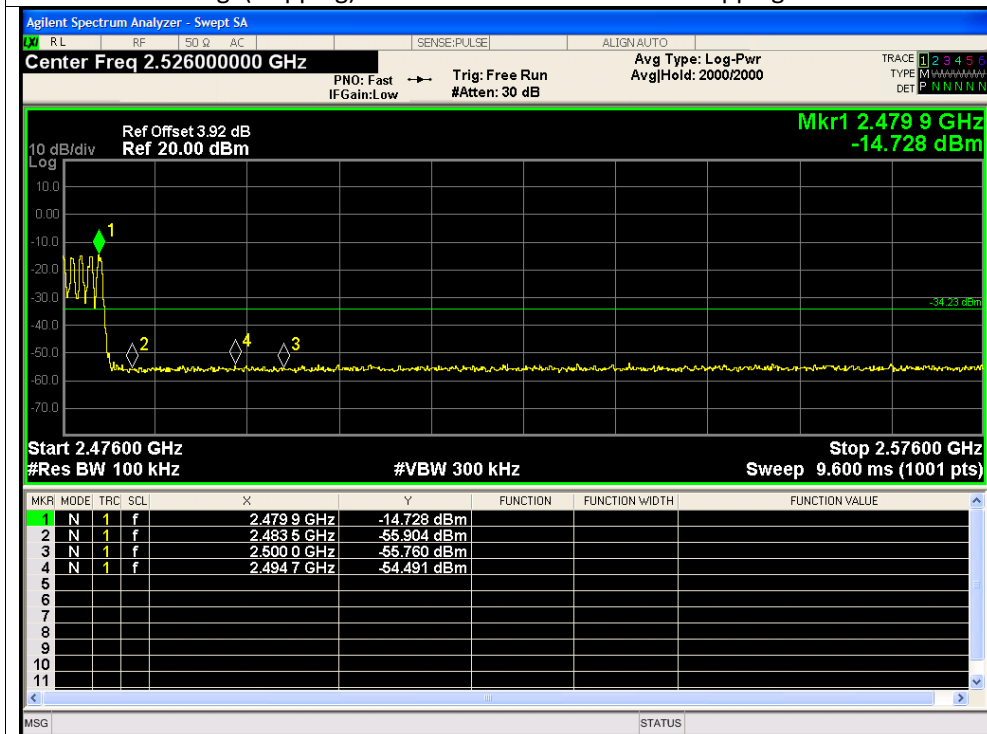
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



Band Edge(Hopping) NVNT 1-DH3 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH3 2480MHz Ant1 Hopping Emission



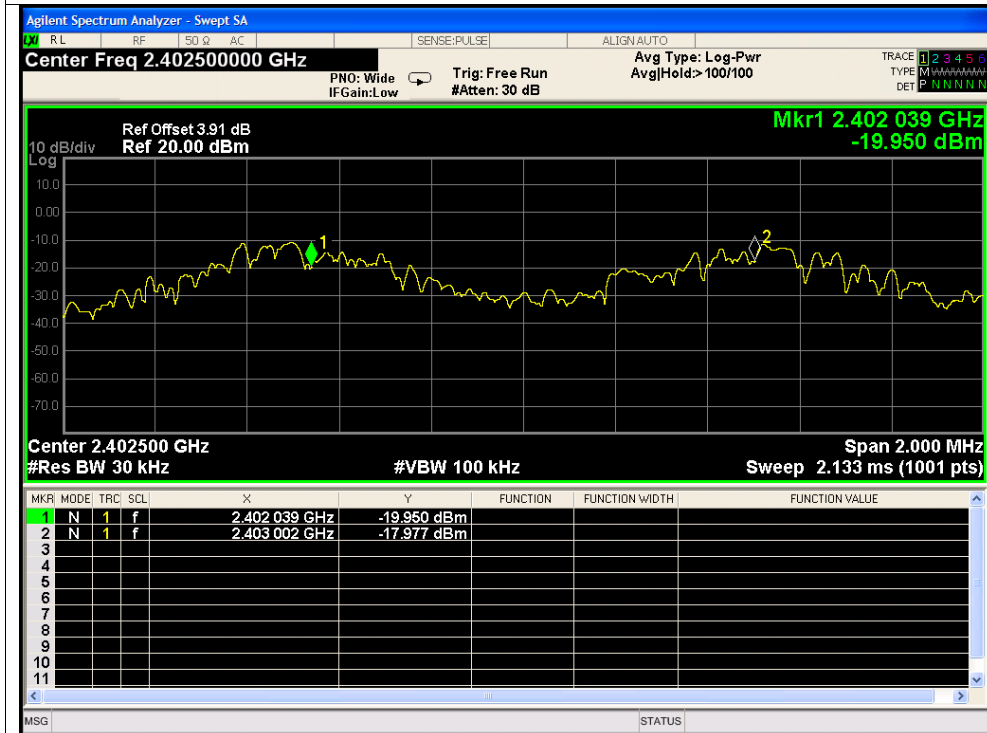
5. Carrier Frequencies Separation (Hopping)

Condition	Mode	Antenna	Channel Frequency (MHz)	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	Carrier Frequencies Separation (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2402	2402.039	2403.002	0.963	>0.686	Pass
NVNT	1-DH1	Ant1	2441	2440.979	2442.012	1.033	>0.637	Pass
NVNT	1-DH1	Ant1	2480	2479.032	2480.002	0.97	>0.658	Pass
NVNT	1-DH3	Ant1	2402	2402.02	2403.009	0.989	>0.641	Pass
NVNT	1-DH3	Ant1	2441	2441.03	2441.974	0.944	>0.639	Pass
NVNT	1-DH3	Ant1	2480	2479.008	2480.023	1.015	>0.636	Pass
NVNT	1-DH5	Ant1	2402	2401.997	2402.984	0.987	>0.625	Pass
NVNT	1-DH5	Ant1	2441	2441.006	2442.008	1.002	>0.599	Pass
NVNT	1-DH5	Ant1	2480	2478.993	2479.991	0.998	>0.572	Pass

Note: Limit = 20dB bandwidth * 2/3

Test Graphs

CFS NVNT 1-DH1 2402MHz Ant1



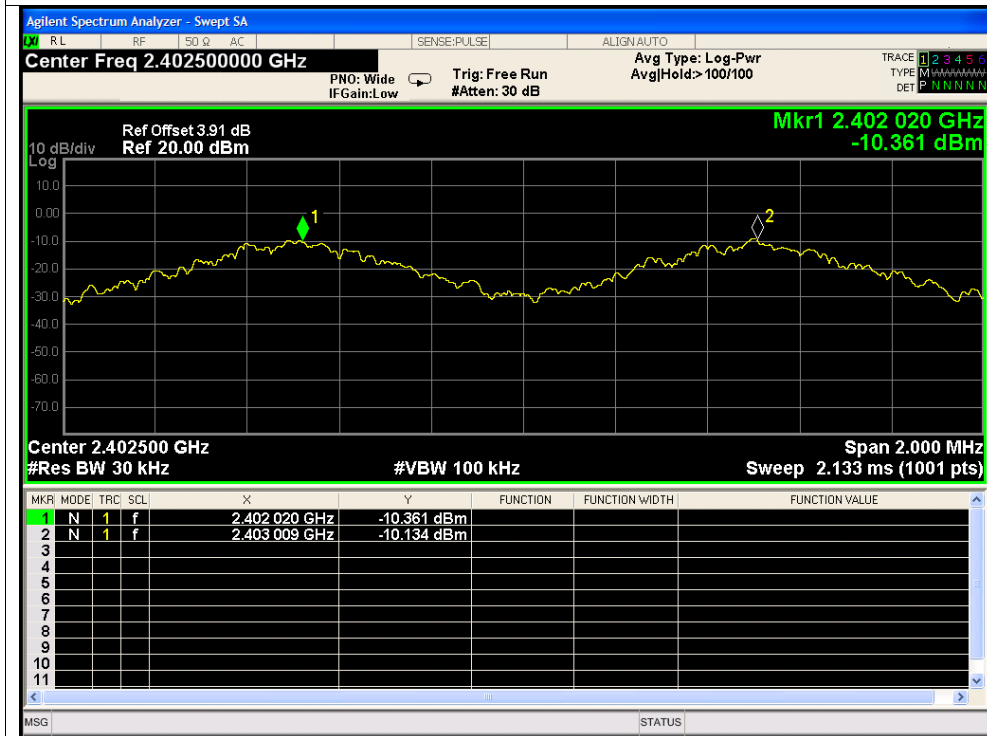
CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 1-DH1 2480MHz Ant1



CFS NVNT 1-DH3 2402MHz Ant1



CFS NVNT 1-DH3 2441MHz Ant1



CFS NVNT 1-DH3 2480MHz Ant1



Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1



CFS NVNT 1-DH5 2480MHz Ant1

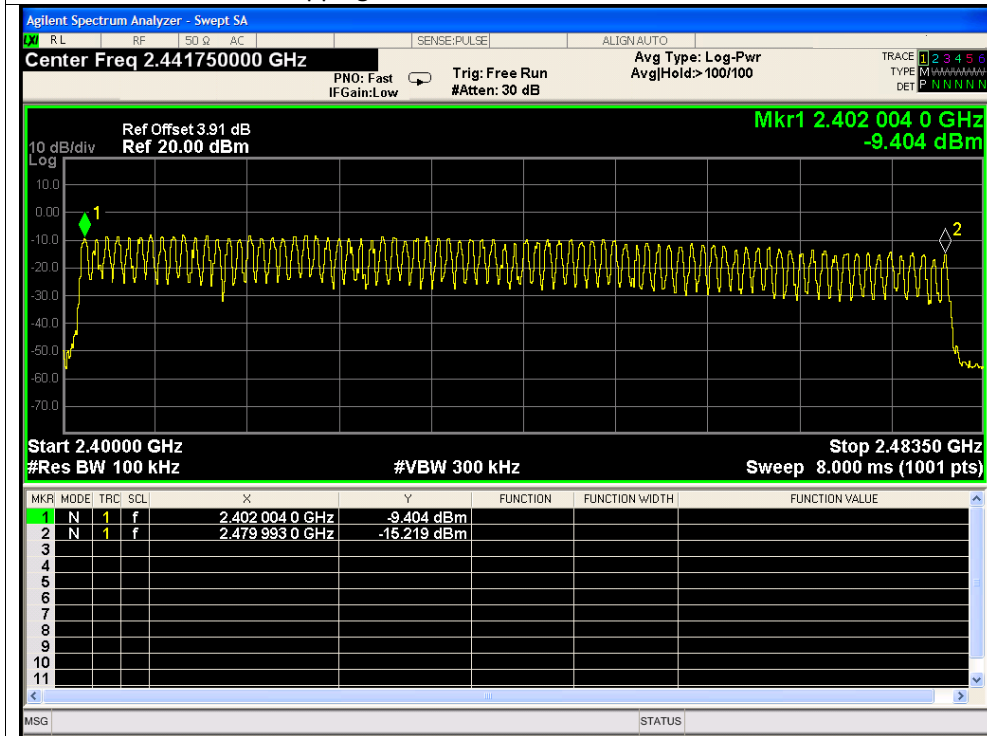


6. Number of Hopping Channel (Hopping)

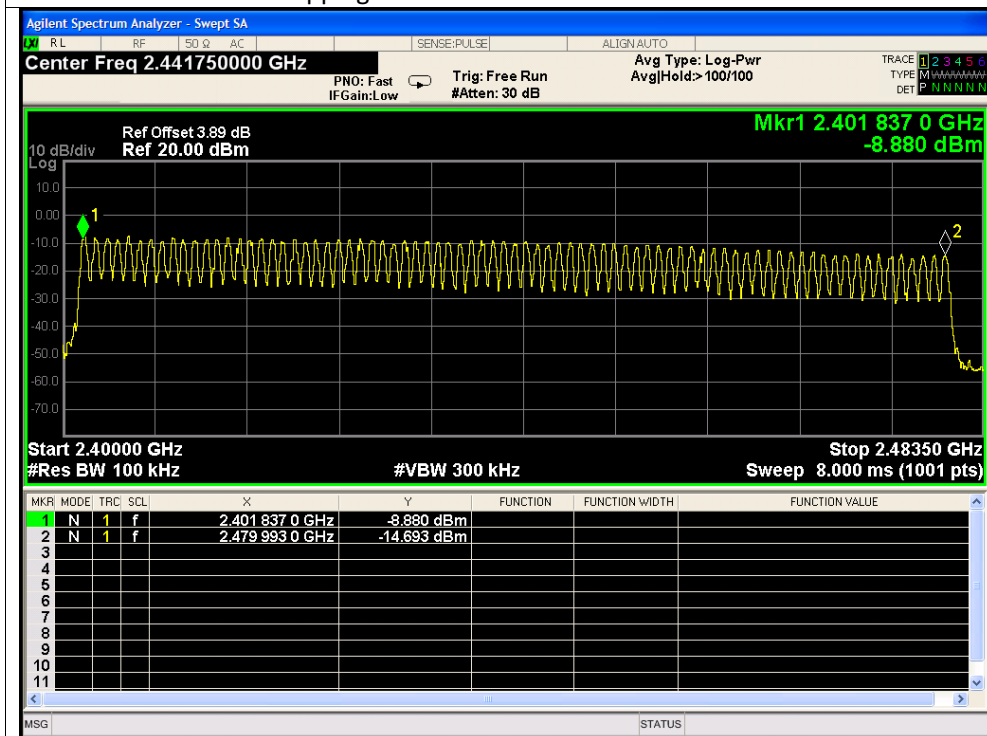
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	1-DH3	Ant1	79	15	Pass
NVNT	1-DH5	Ant1	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH1 2402MHz Ant1

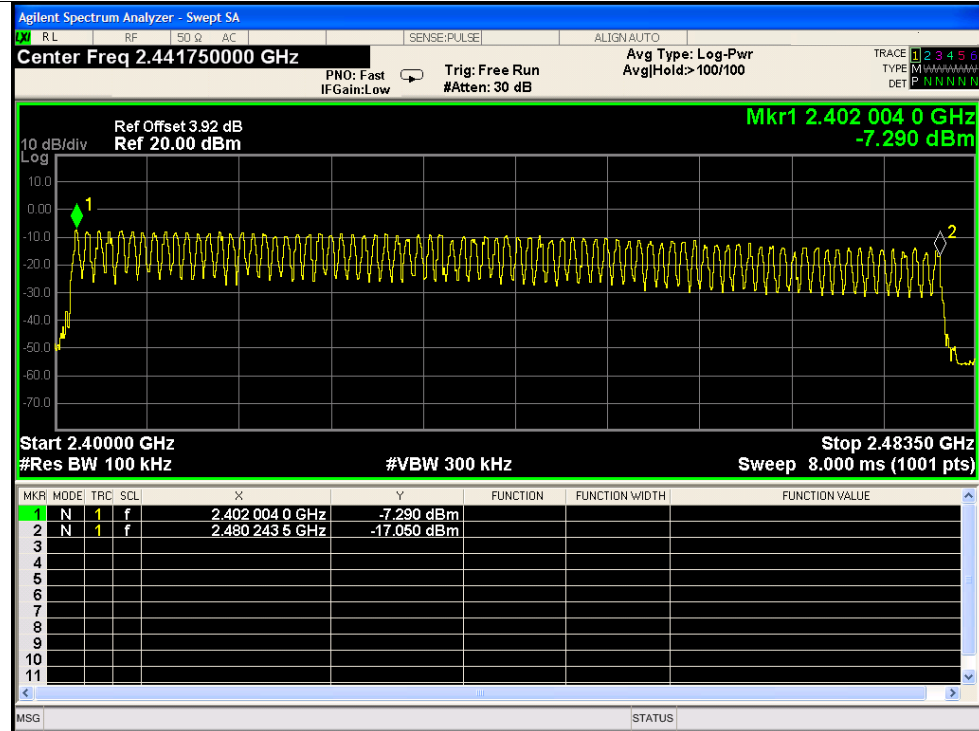


Hopping No. NVNT 1-DH1 2441MHz Ant1

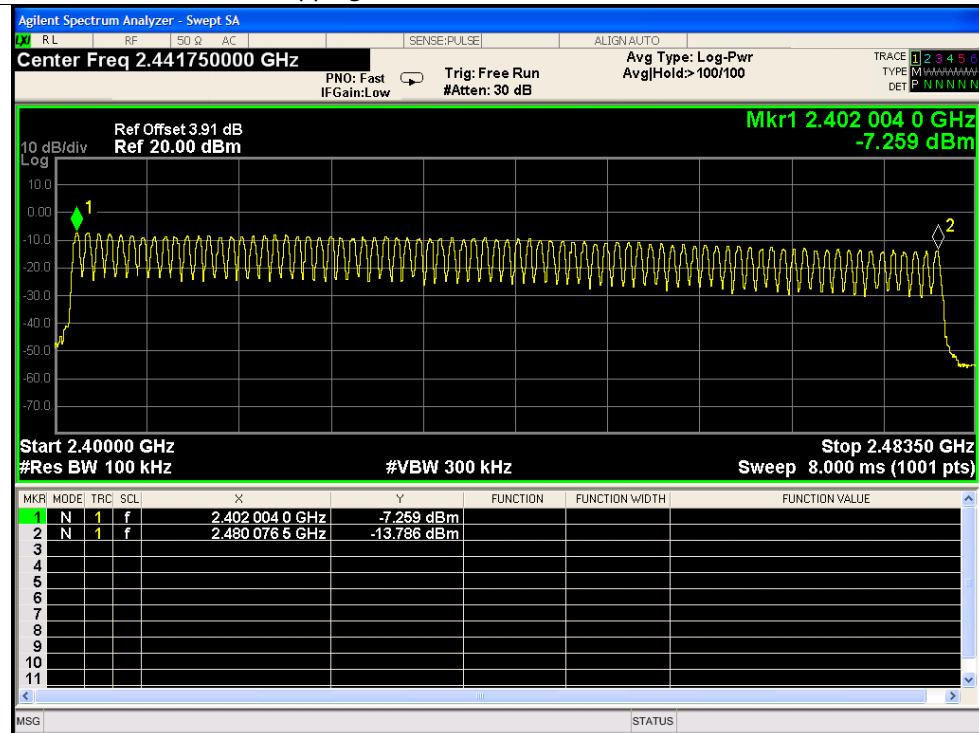


Test Graphs

Hopping No. NVNT 1-DH1 2480MHz Ant1

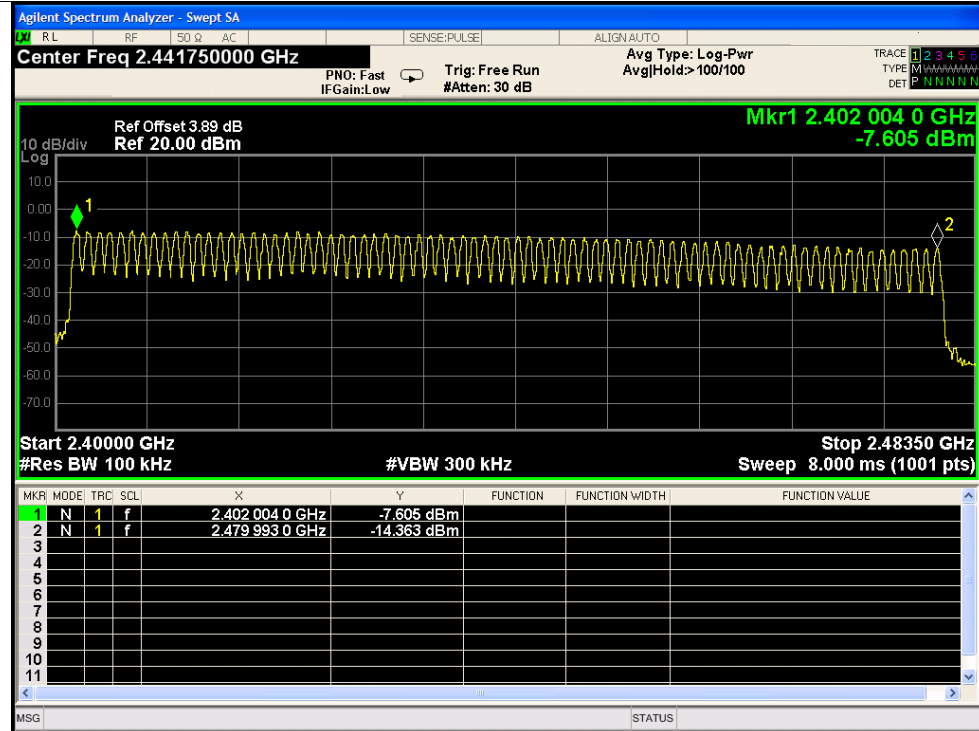


Hopping No. NVNT 1-DH3 2402MHz Ant1

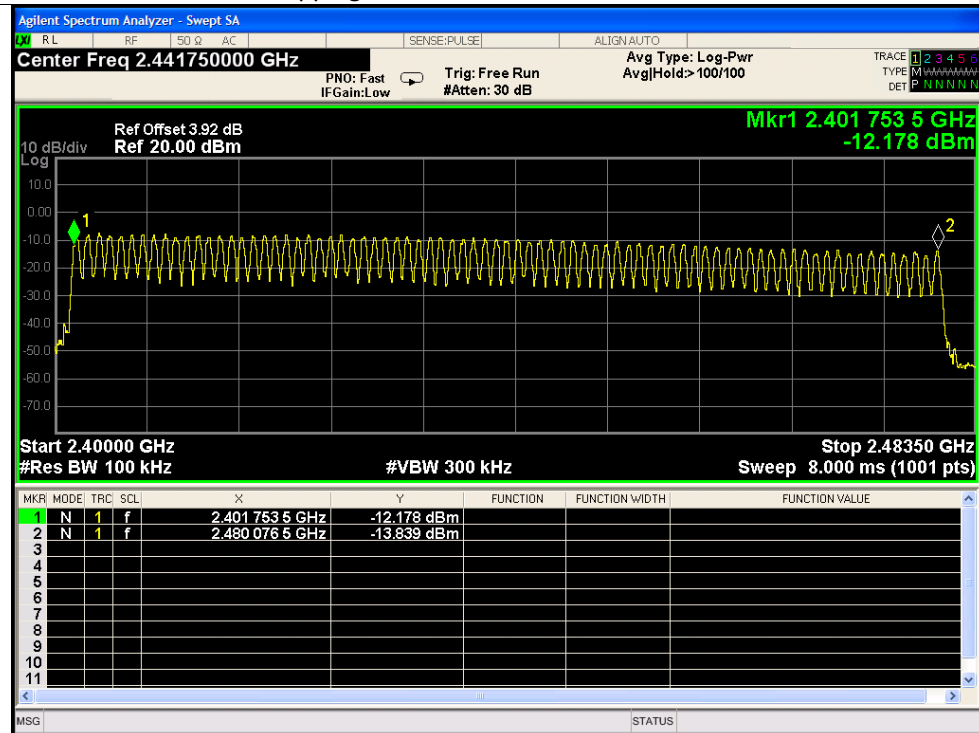


Test Graphs

Hopping No. NVNT 1-DH3 2441MHz Ant1

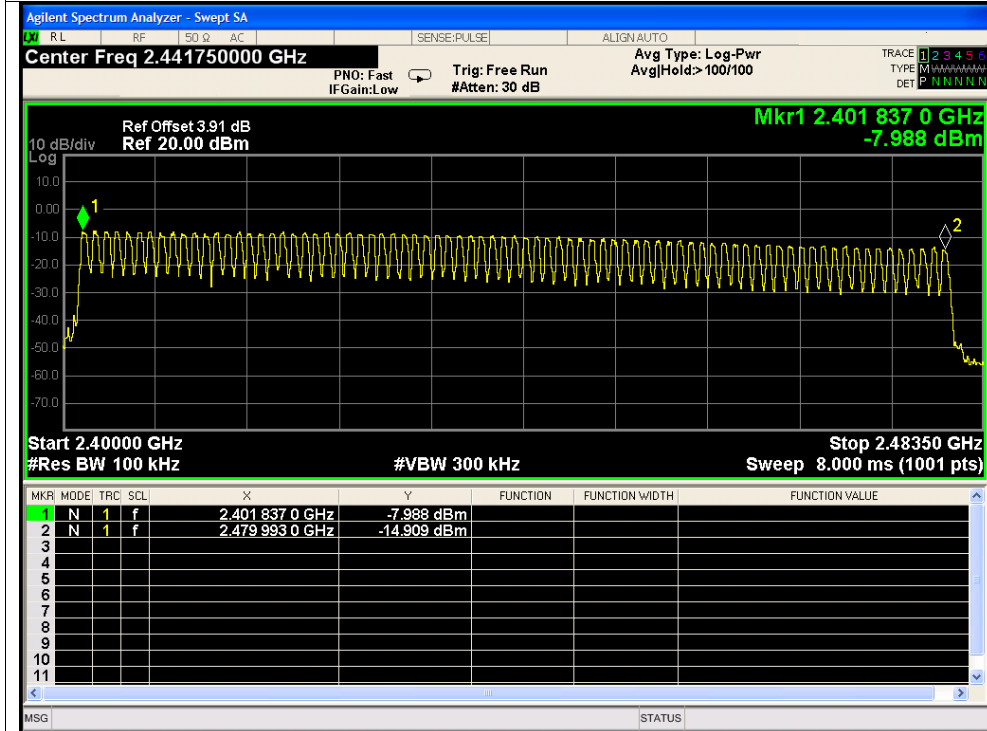


Hopping No. NVNT 1-DH3 2480MHz Ant1

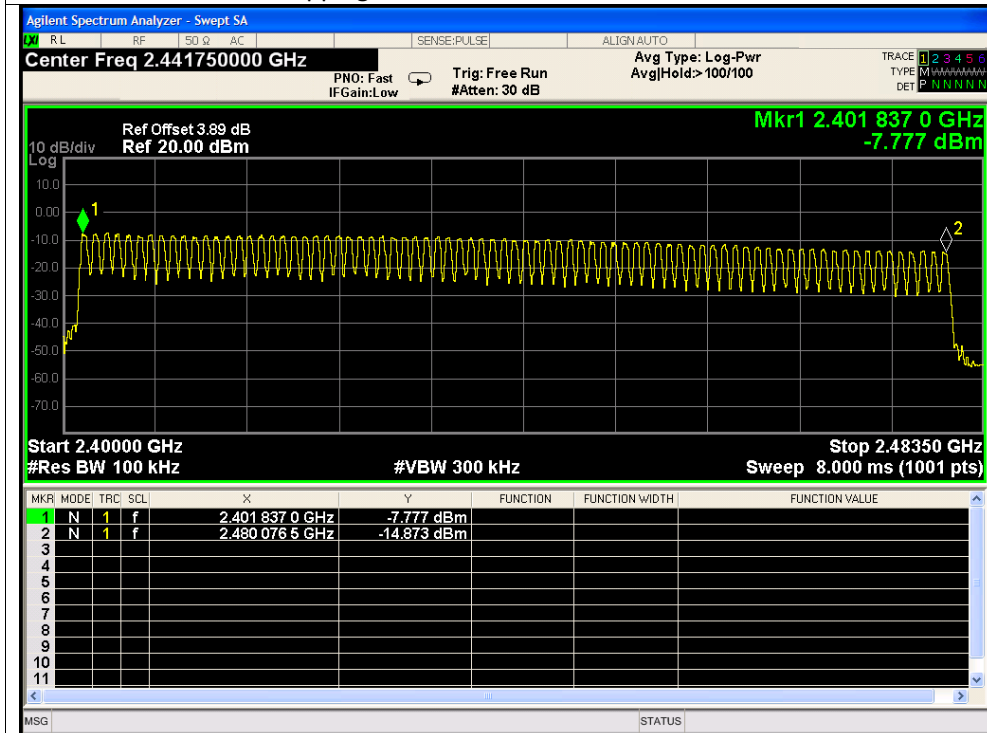


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

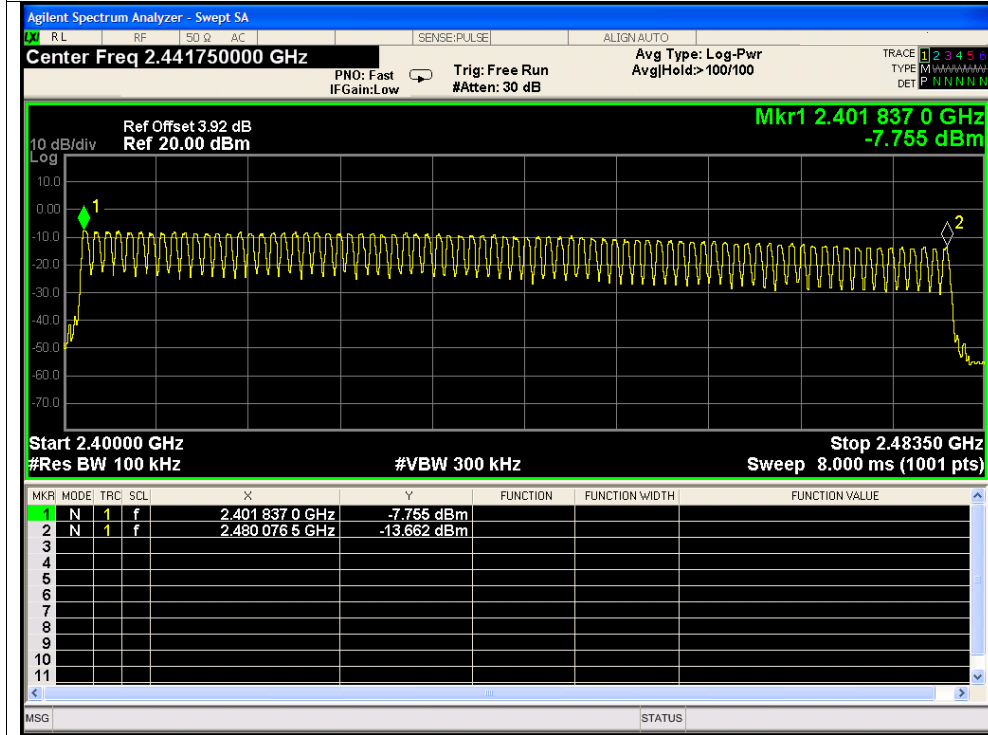


Hopping No. NVNT 1-DH5 2441MHz Ant1



Test Graphs

Hopping No. NVNT 1-DH5 2480MHz Ant1

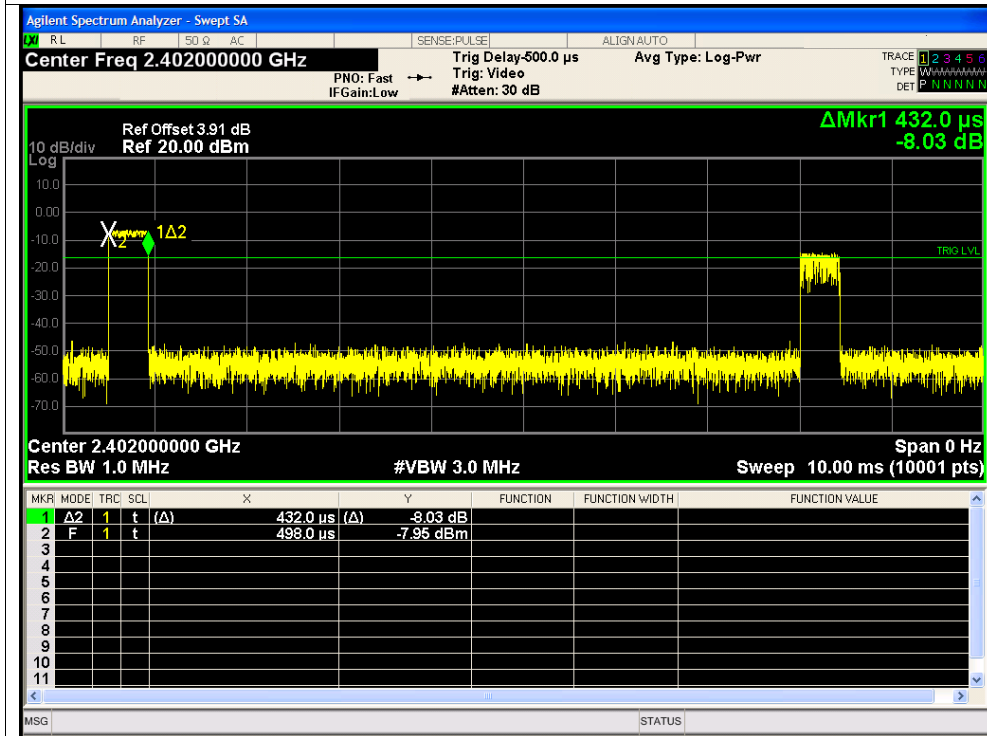


7. Dwell Time (Hopping)

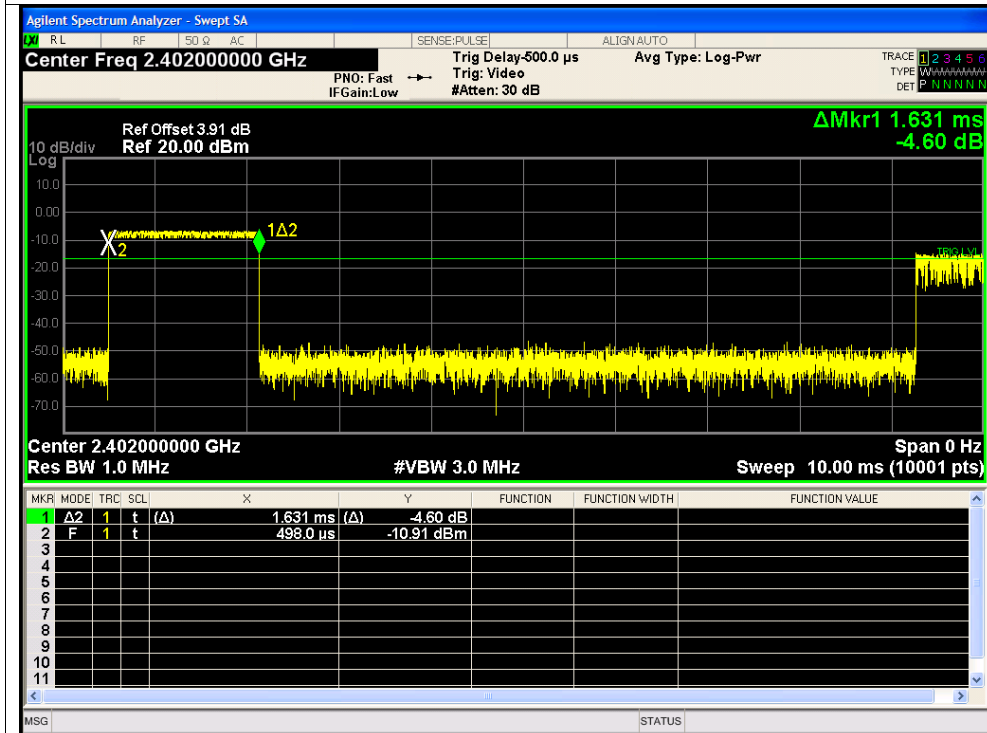
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Dwell Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.432	138.240	<400	Pass
NVNT	1-DH3	2402	Ant1	1.631	260.960	<400	Pass
NVNT	1-DH5	2402	Ant1	2.83	301.867	<400	Pass
Note: Dwell Time(DH1)=PW*(1600/2/79)*31.6 Dwell Time(DH3)=PW*(1600/4/79)*31.6 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

