

# RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

General Description of EUT	
<b>Product Name:</b>	wireless headset
<b>Test Model:</b>	S800
<b>Sample ID:</b>	HC-C-202311-0095-02-02
Environmental Conditions	
<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 3.7V
<b>Test Engineer:</b>	Zhou zhen
Note: For a more detailed features description, please refer to the report TBR-C-202311-0095-7 The report only show the worst case data.	



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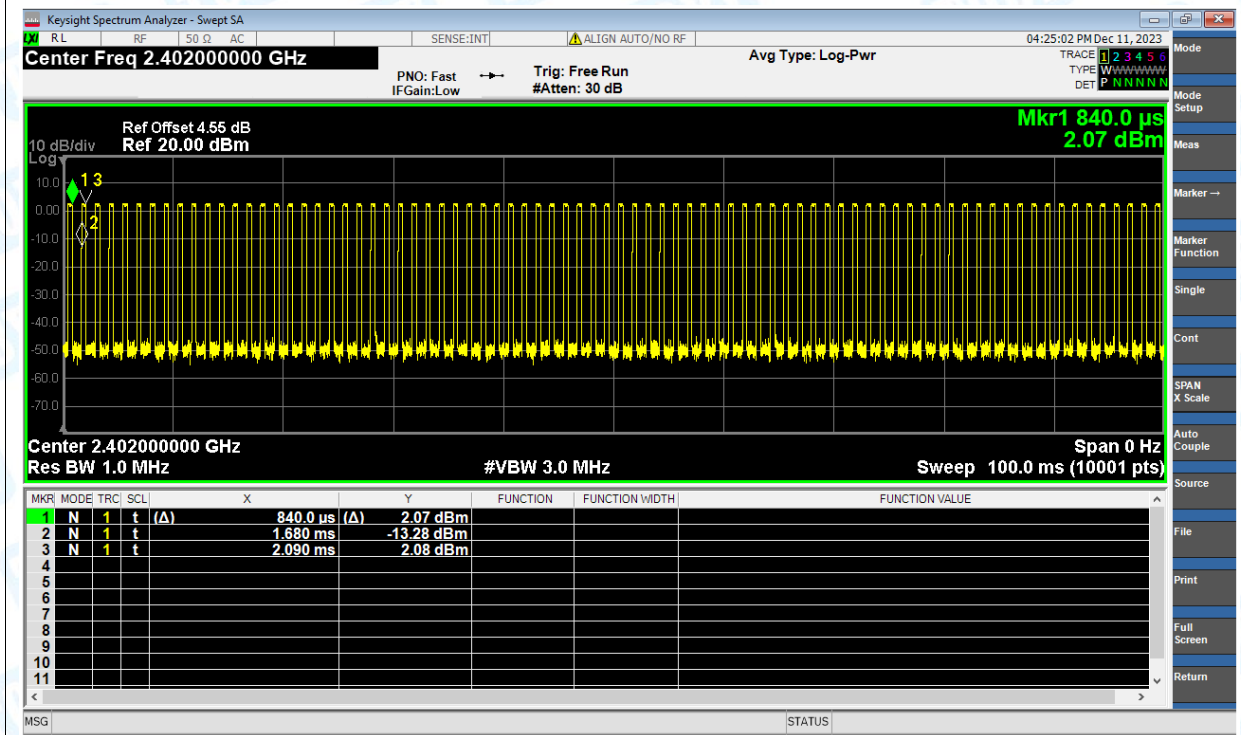


## 1. Duty Cycle

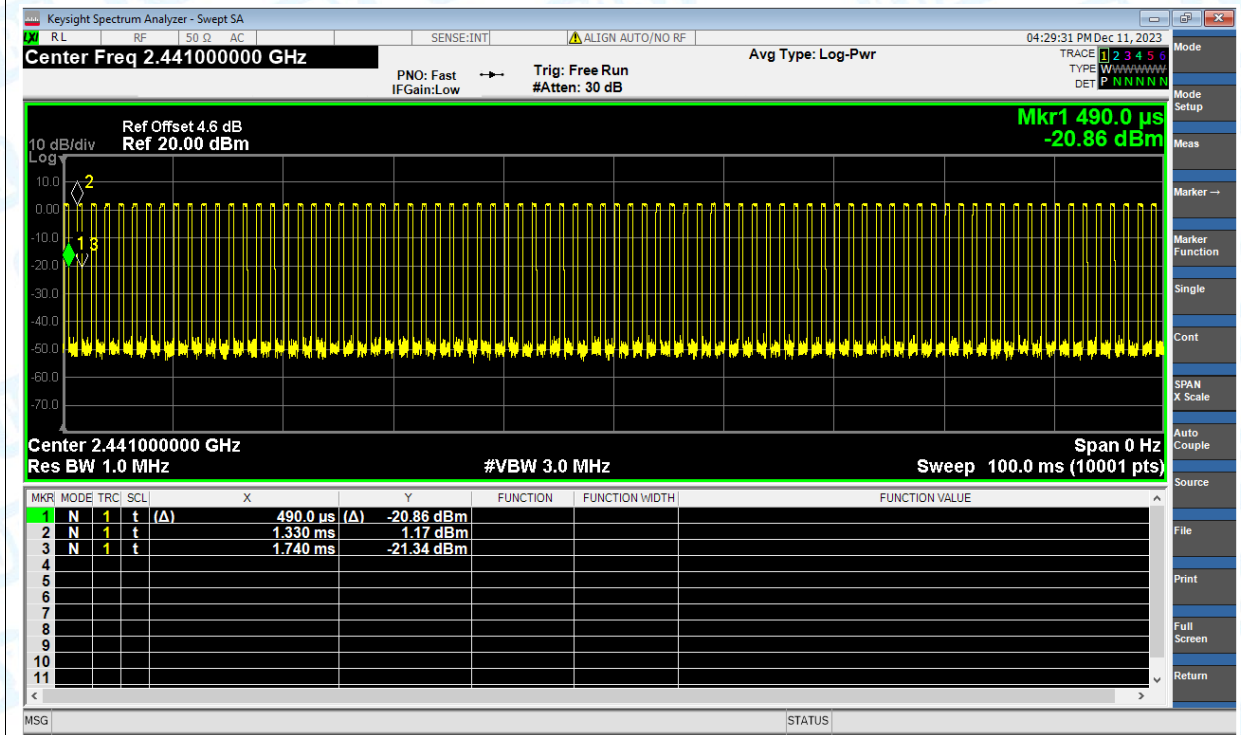
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	32.8	4.84	2.44
NVNT	1-DH1	2441	Ant1	32.8	4.84	2.44
NVNT	1-DH1	2480	Ant1	32.8	4.84	2.44
NVNT	2-DH1	2402	Ant1	33.6	4.74	2.38
NVNT	2-DH1	2441	Ant1	33.6	4.74	2.38
NVNT	2-DH1	2480	Ant1	33.6	4.74	2.38
NVNT	3-DH1	2402	Ant1	33.6	4.74	2.38
NVNT	3-DH1	2441	Ant1	33.6	4.74	2.38
NVNT	3-DH1	2480	Ant1	33.6	4.74	2.38

Test Graphs

Duty Cycle NVNT 1-DH1 2402MHz Ant1

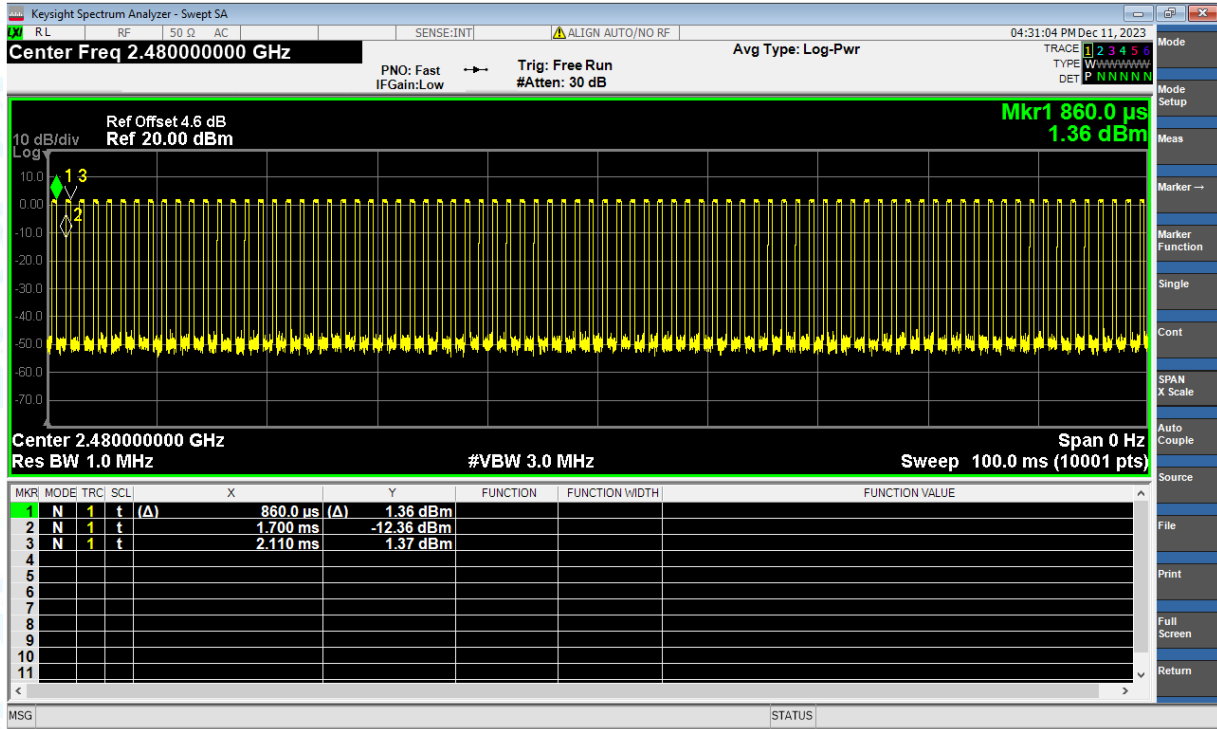


Duty Cycle NVNT 1-DH1 2441MHz Ant1

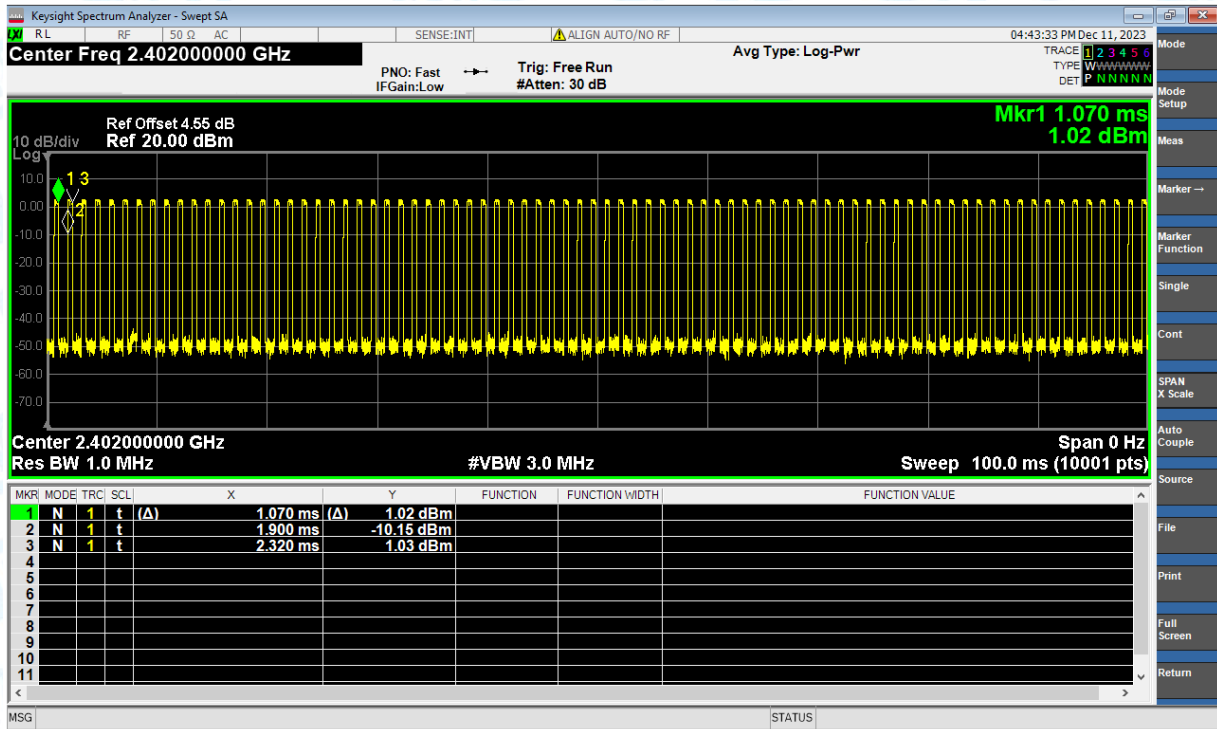




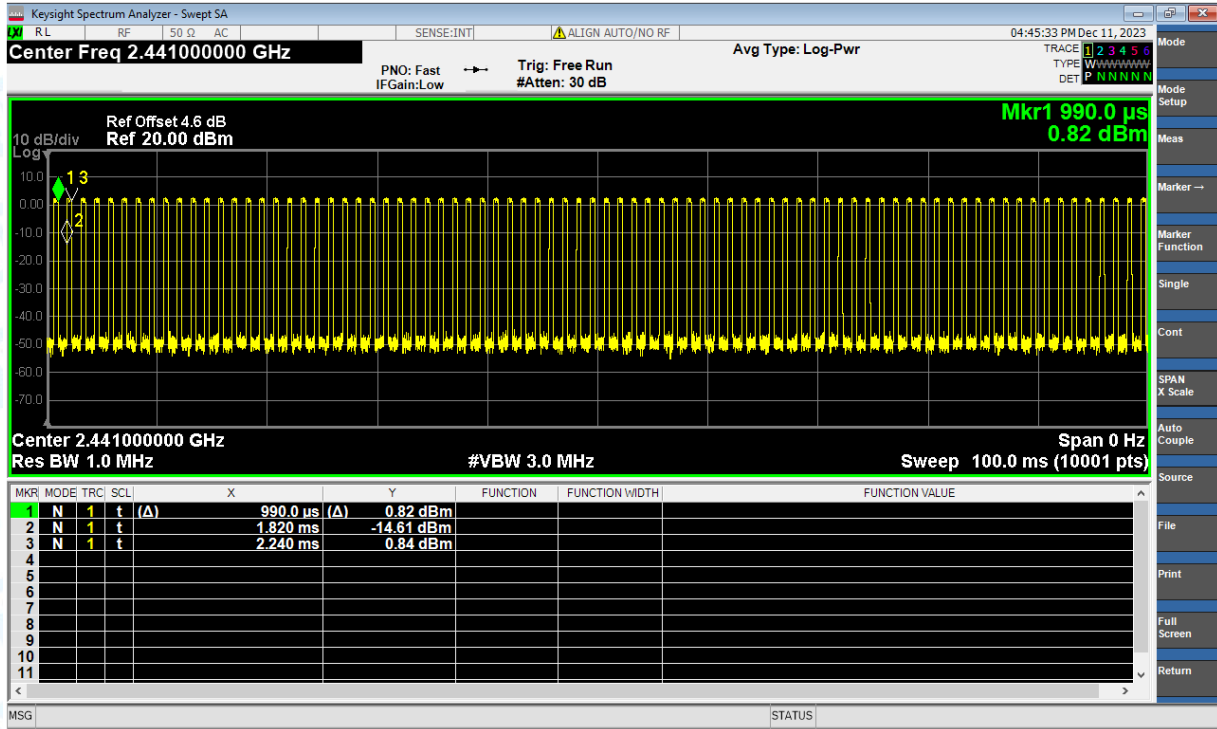
Duty Cycle NVNT 1-DH1 2480MHz Ant1



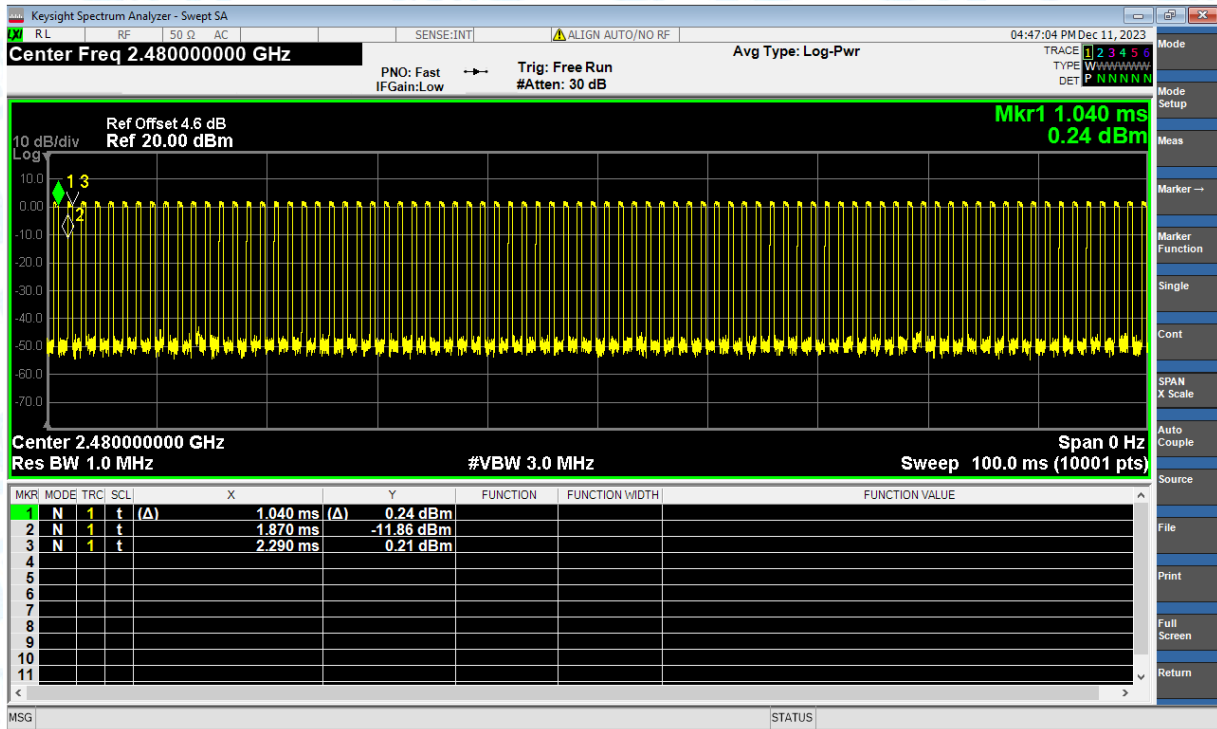
Duty Cycle NVNT 2-DH1 2402MHz Ant1



Duty Cycle NVNT 2-DH1 2441MHz Ant1

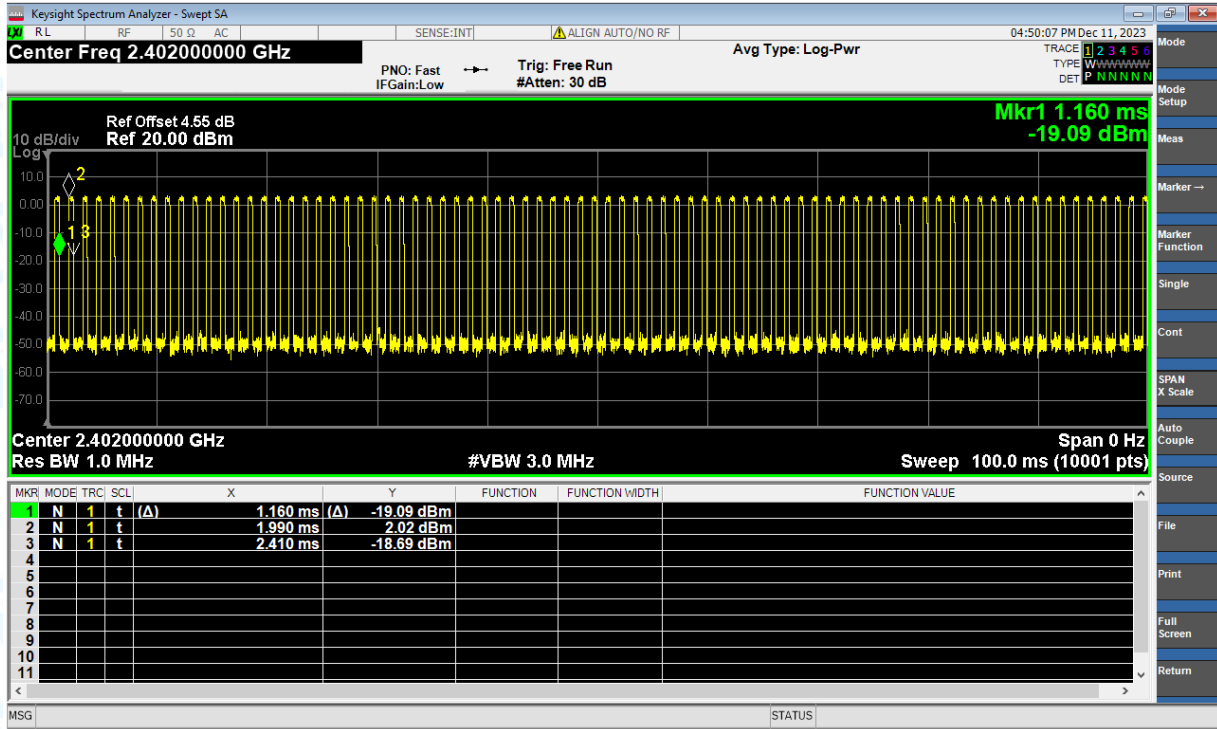


Duty Cycle NVNT 2-DH1 2480MHz Ant1

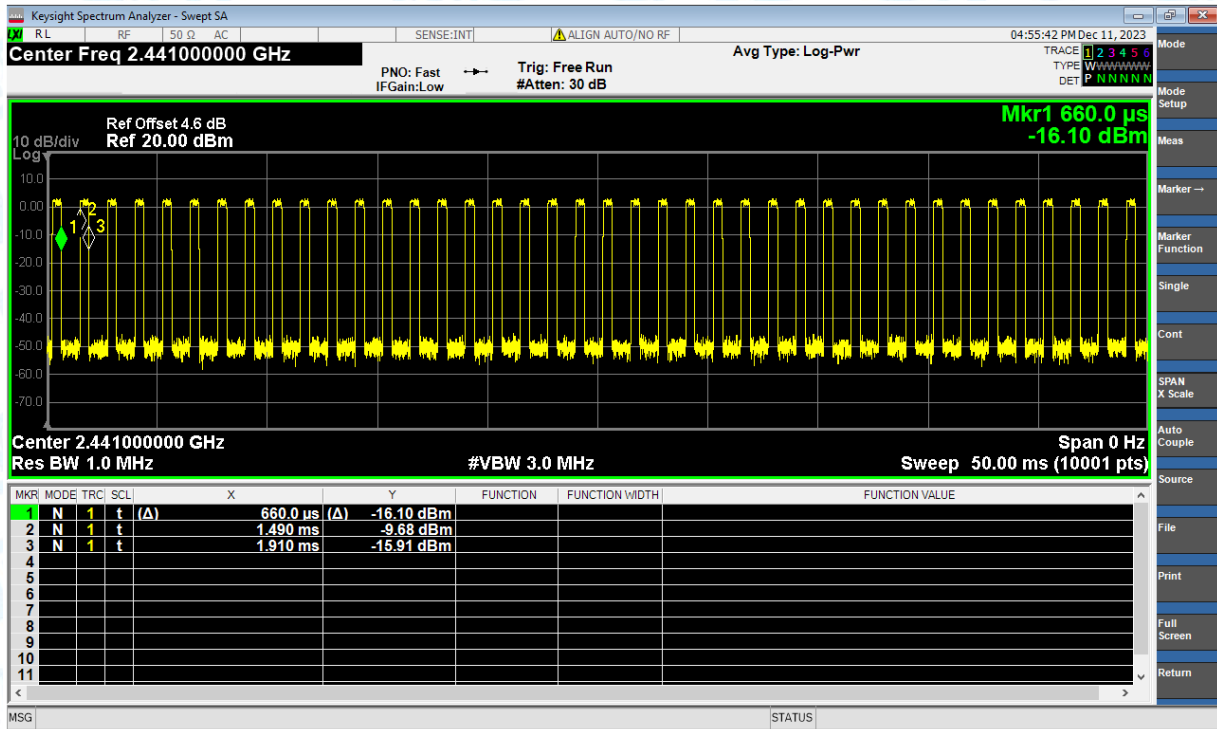


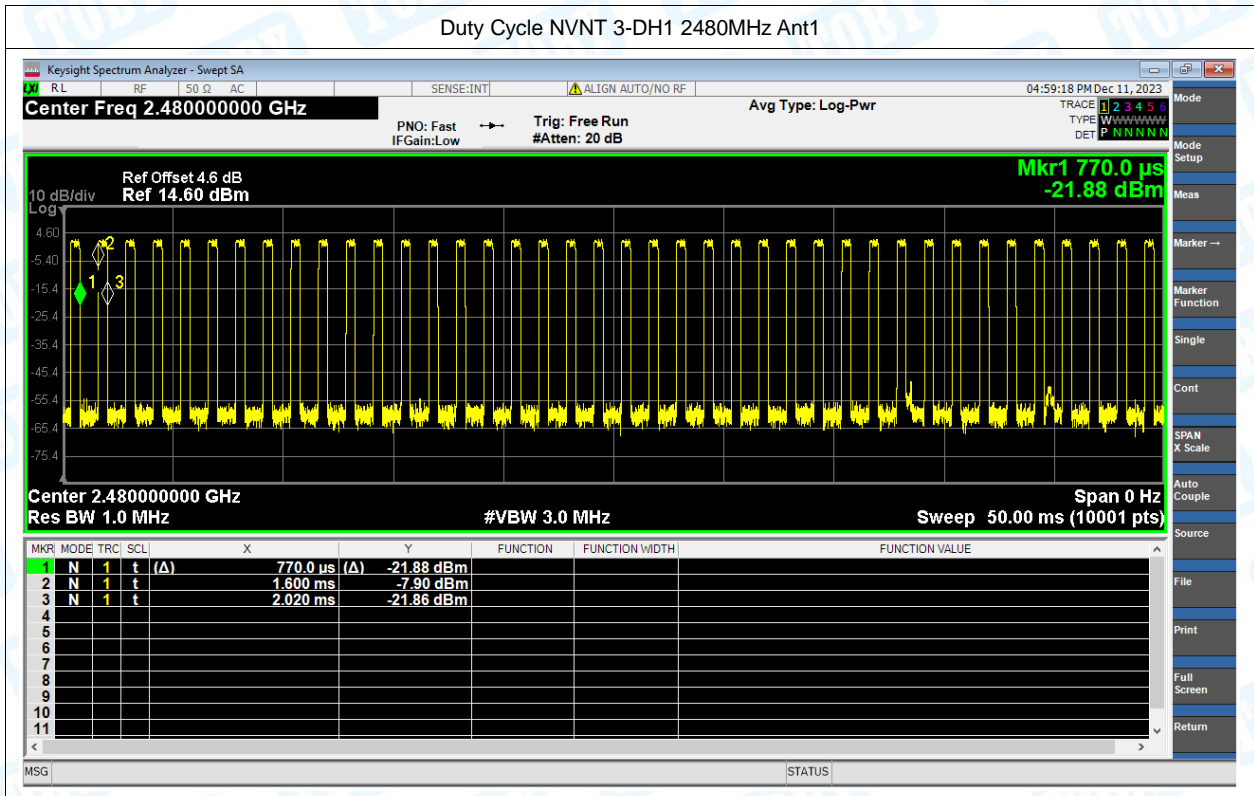


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1





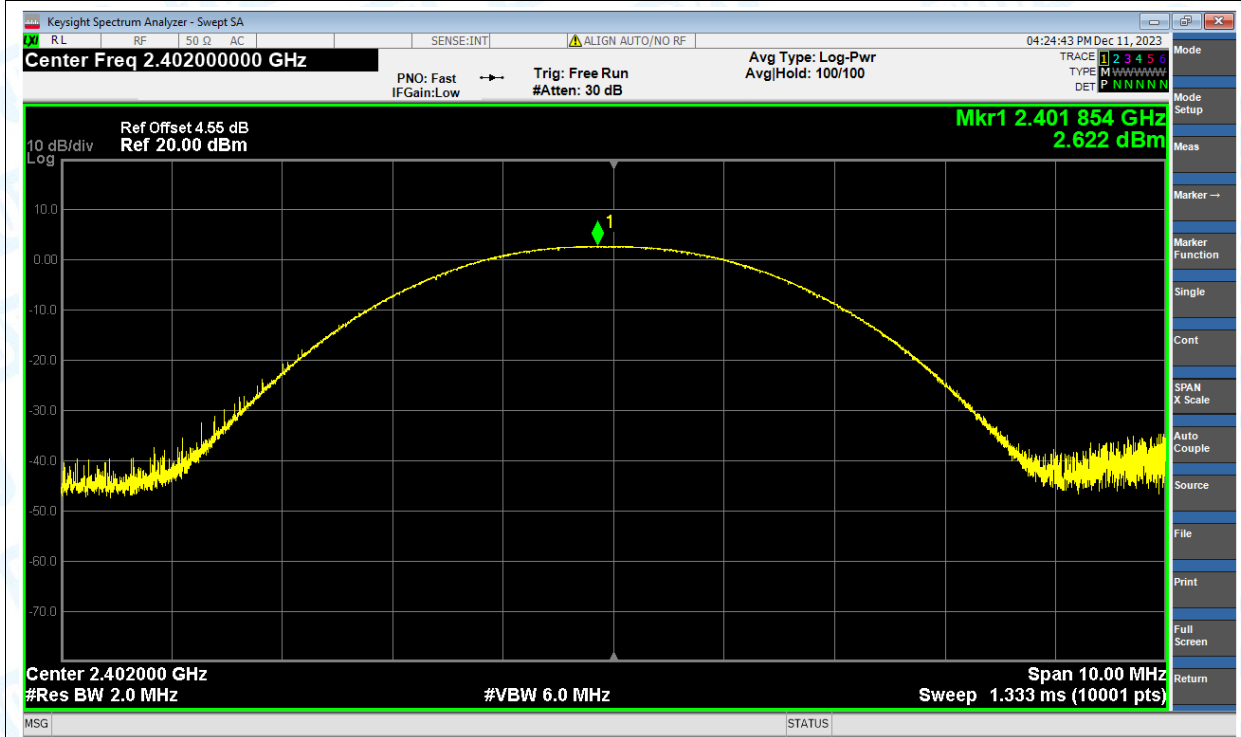


## 2. Maximum Conducted Output Power

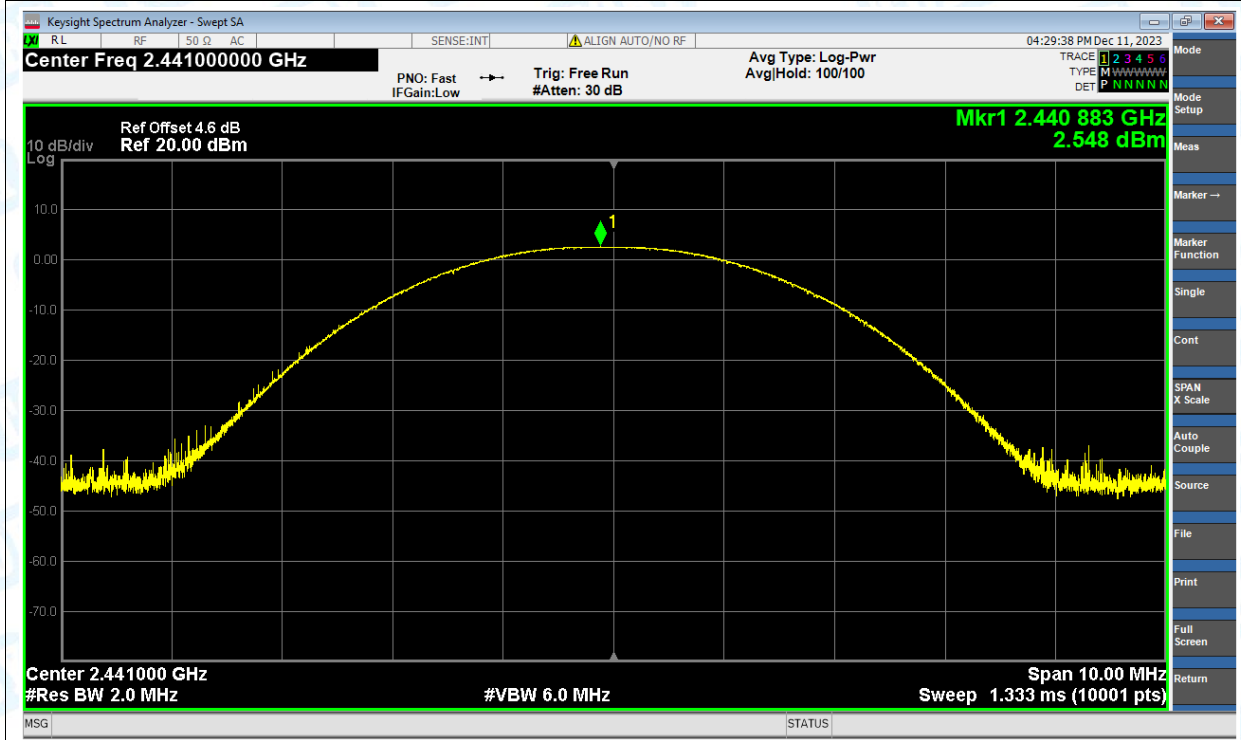
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	2.622	21	Pass
NVNT	1-DH1	2441	Ant1	2.548	21	Pass
NVNT	1-DH1	2480	Ant1	1.971	21	Pass
NVNT	2-DH1	2402	Ant1	3.226	21	Pass
NVNT	2-DH1	2441	Ant1	3.044	21	Pass
NVNT	2-DH1	2480	Ant1	2.44	21	Pass
NVNT	3-DH1	2402	Ant1	3.753	21	Pass
NVNT	3-DH1	2441	Ant1	3.582	21	Pass
NVNT	3-DH1	2480	Ant1	3.001	21	Pass

Test Graphs

Power NVNT 1-DH1 2402MHz Ant1



Power NVNT 1-DH1 2441MHz Ant1

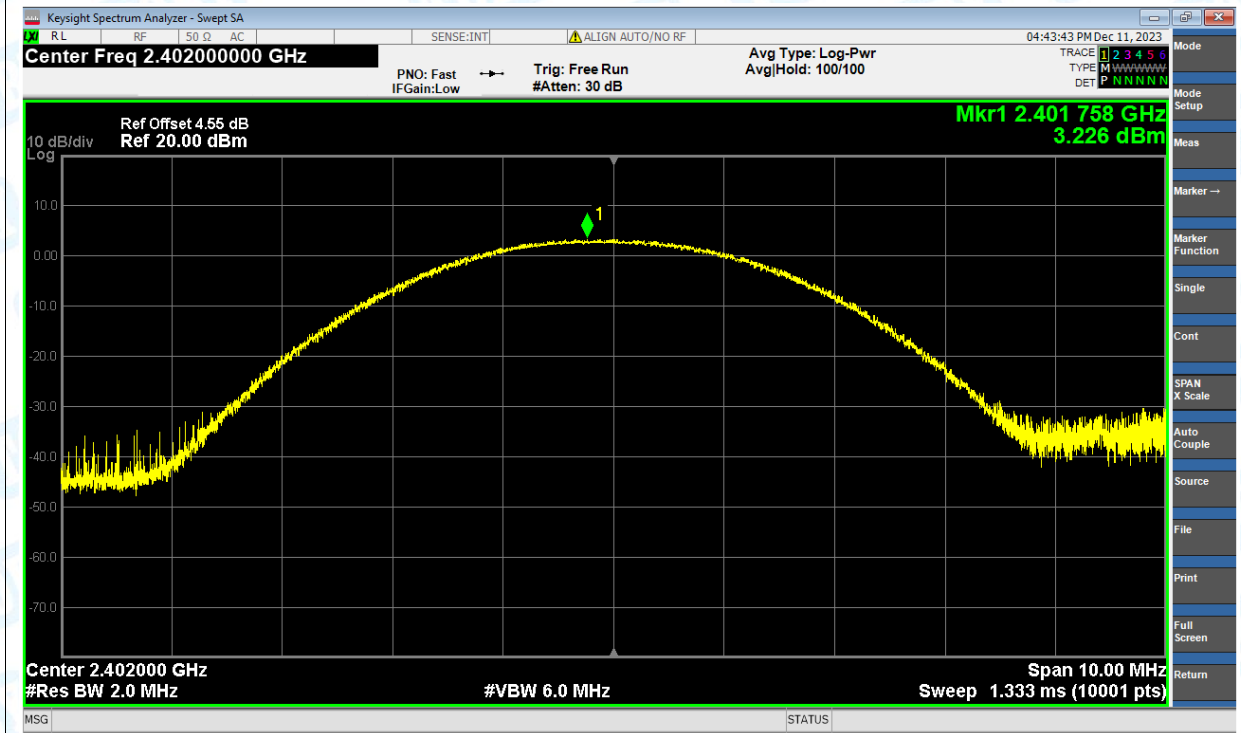




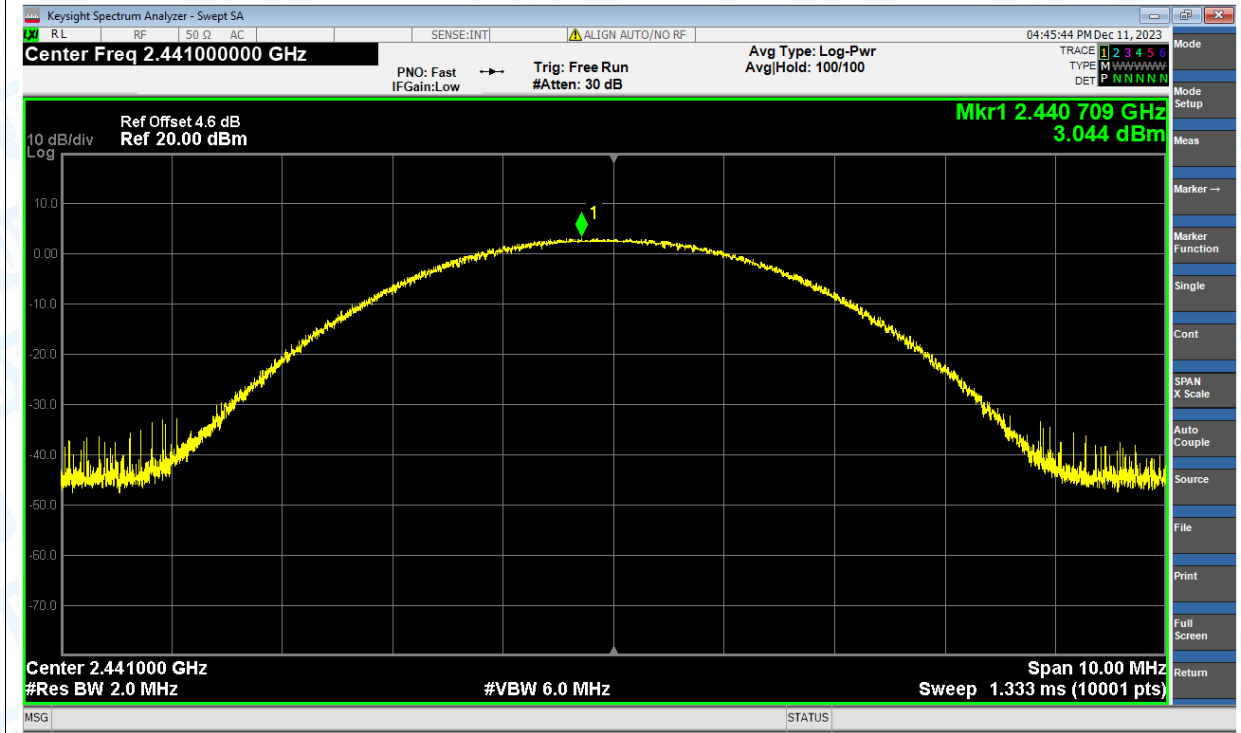
Power NVNT 1-DH1 2480MHz Ant1



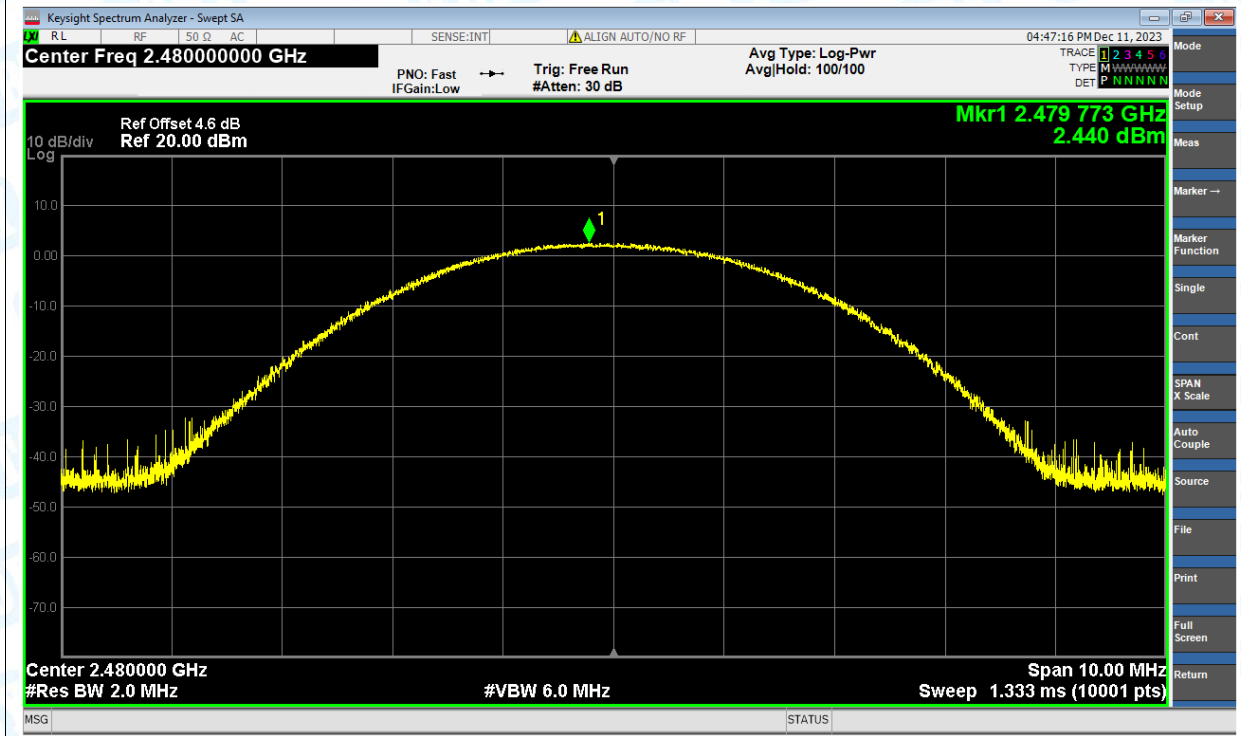
Power NVNT 2-DH1 2402MHz Ant1



Power NVNT 2-DH1 2441MHz Ant1

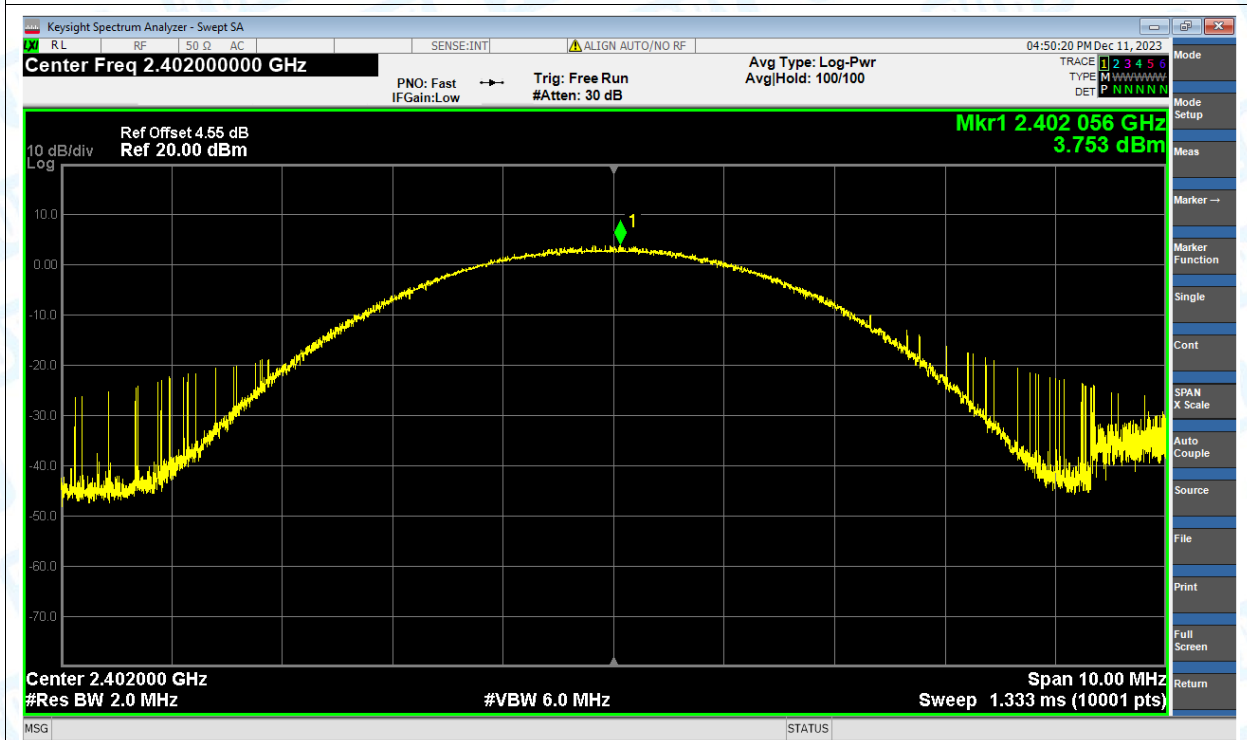


Power NVNT 2-DH1 2480MHz Ant1

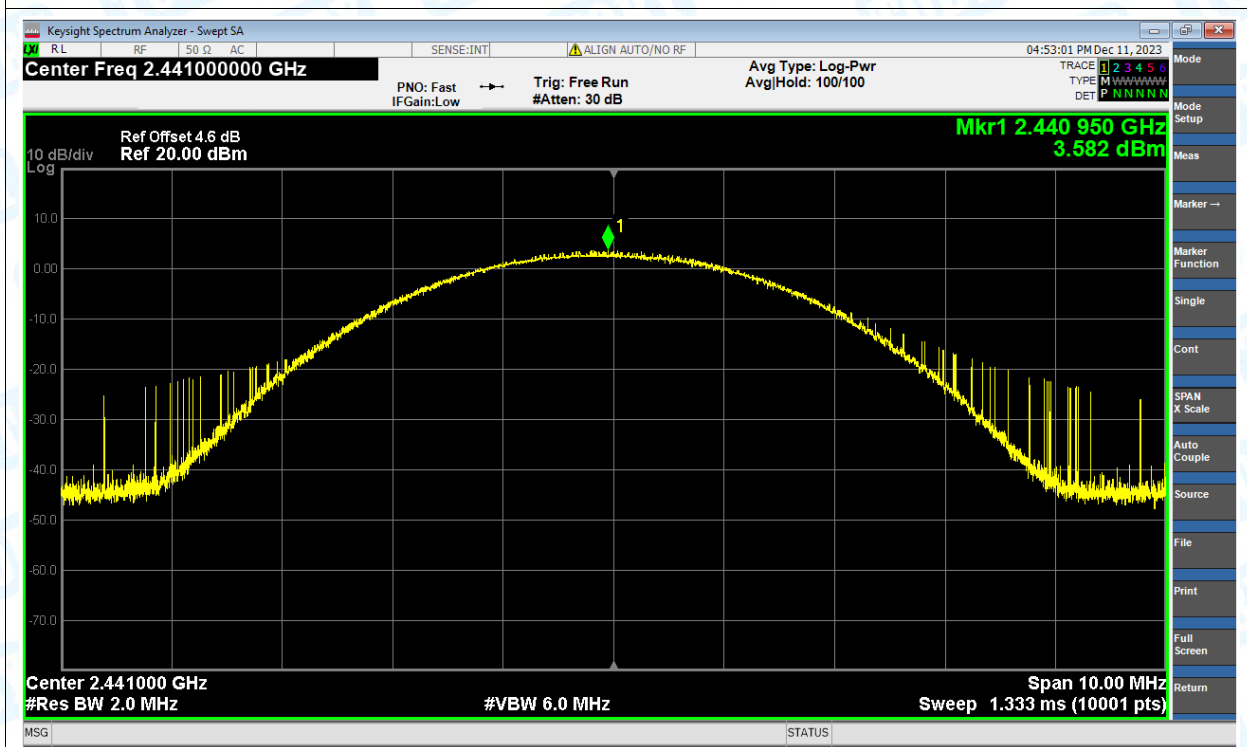


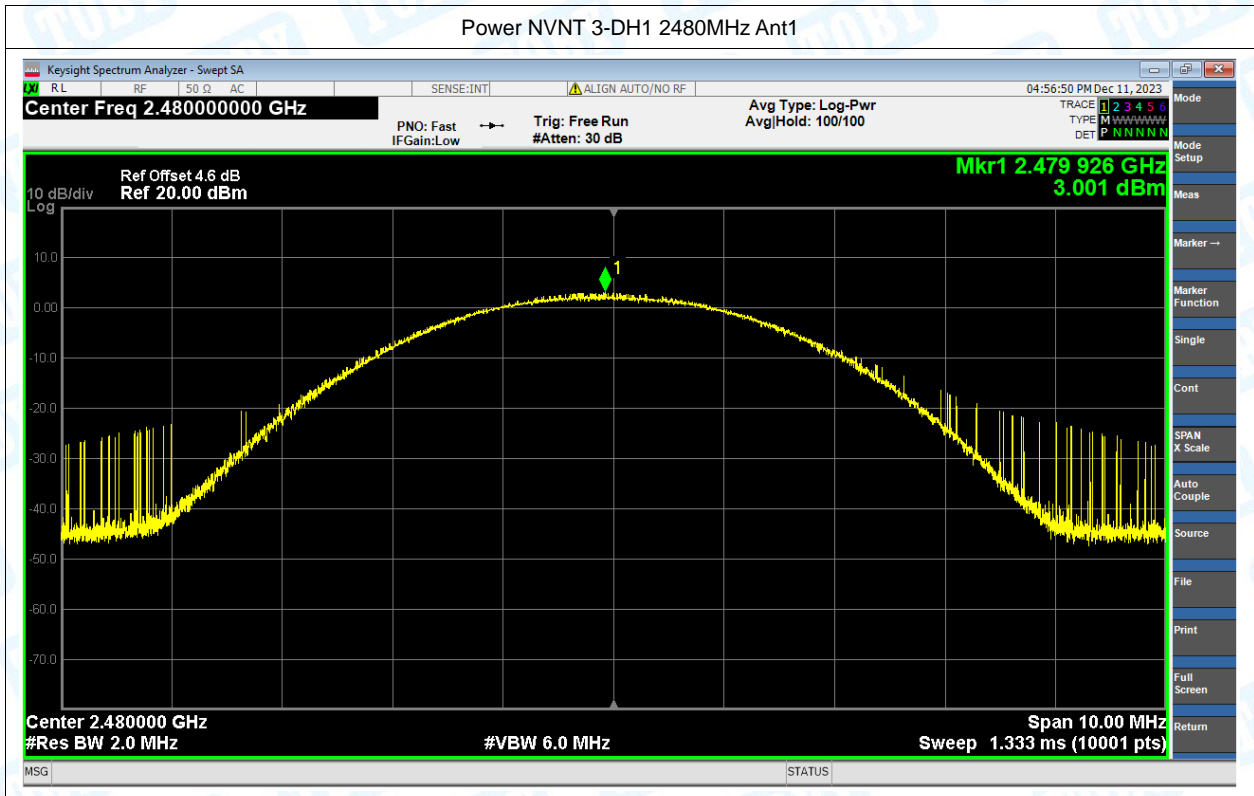


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1





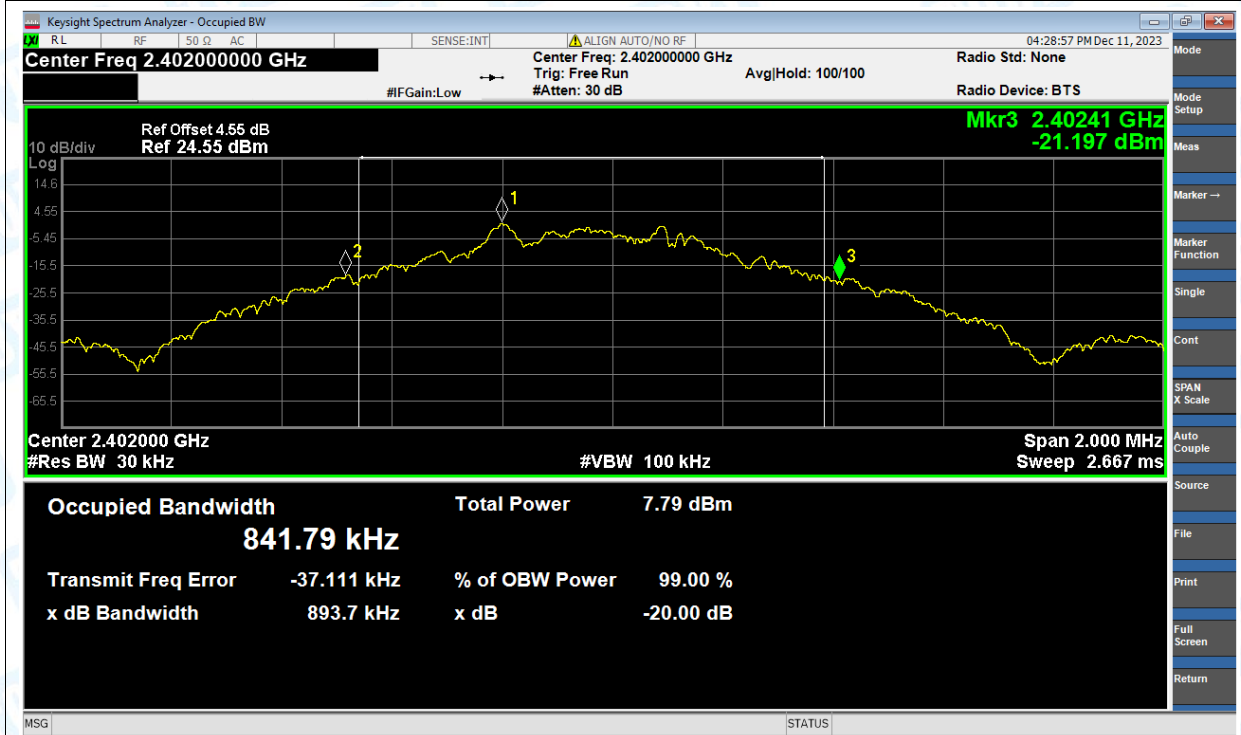


### 3.-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.89	Not Specified	Pass
NVNT	1-DH1	2441	Ant1	0.91	Not Specified	Pass
NVNT	1-DH1	2480	Ant1	0.89	Not Specified	Pass
NVNT	2-DH1	2402	Ant1	1.25	Not Specified	Pass
NVNT	2-DH1	2441	Ant1	1.24	Not Specified	Pass
NVNT	2-DH1	2480	Ant1	1.25	Not Specified	Pass
NVNT	3-DH1	2402	Ant1	1.26	Not Specified	Pass
NVNT	3-DH1	2441	Ant1	1.21	Not Specified	Pass
NVNT	3-DH1	2480	Ant1	1.21	Not Specified	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1

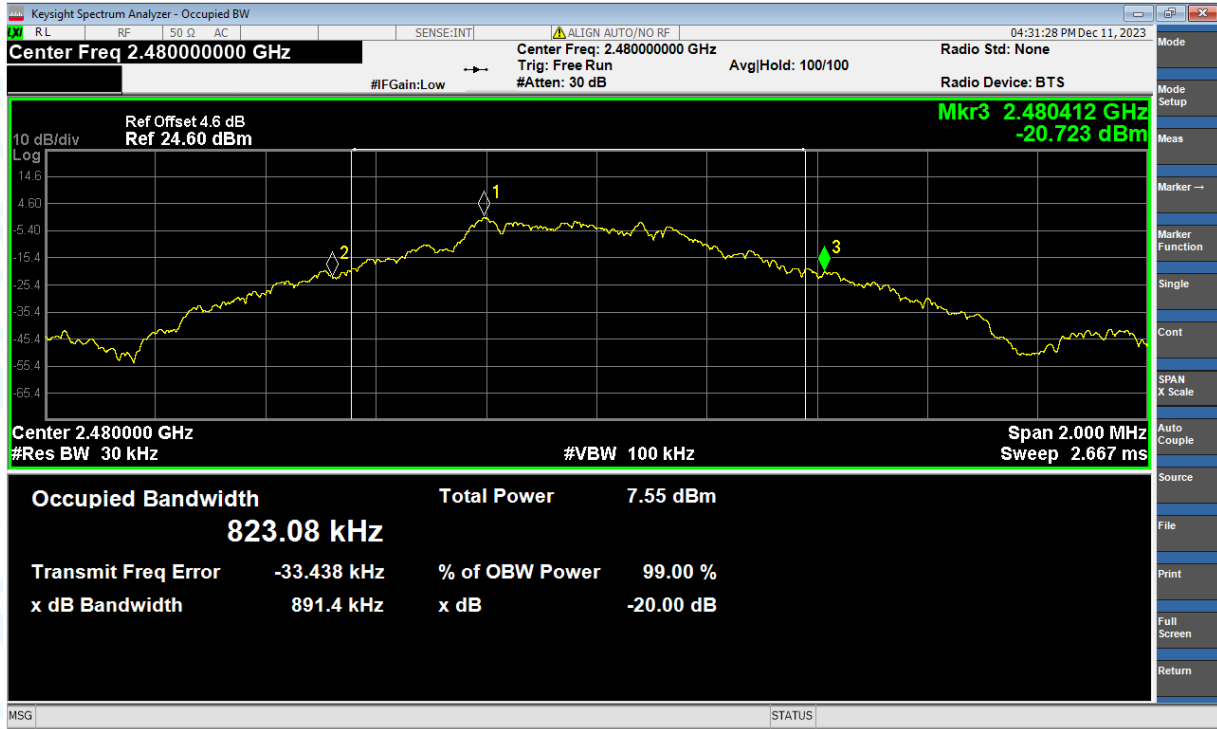


-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1

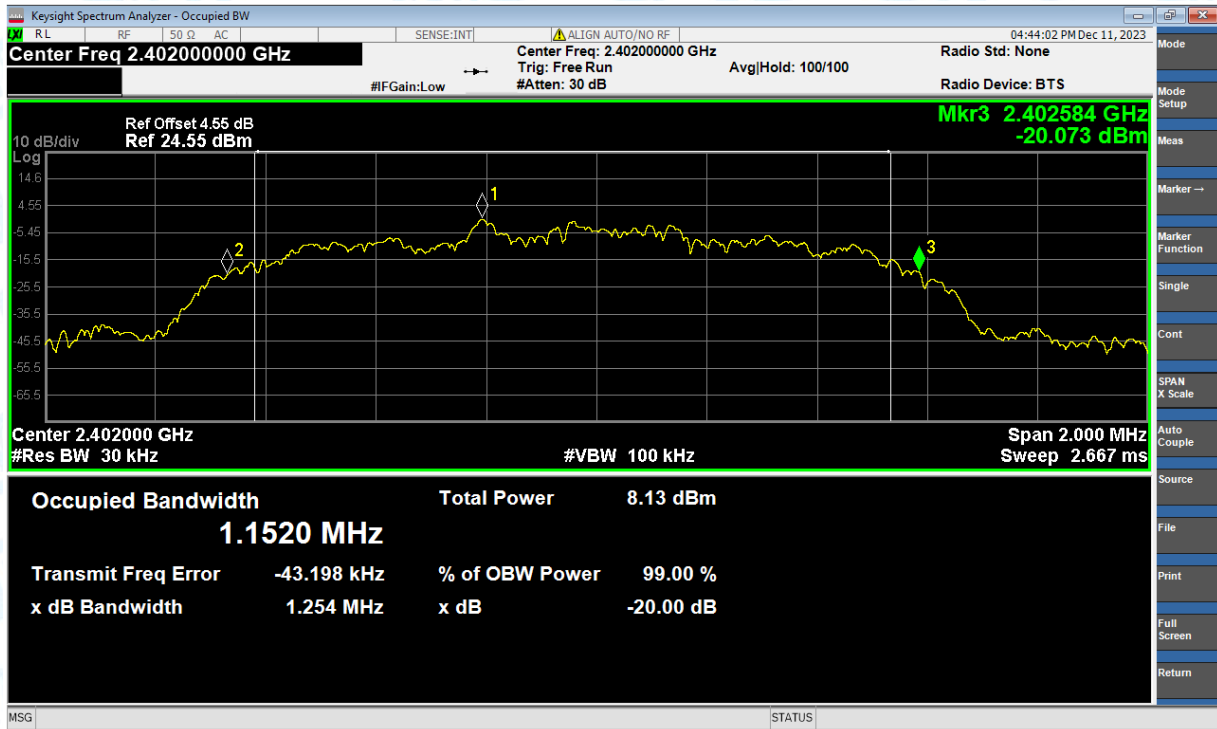




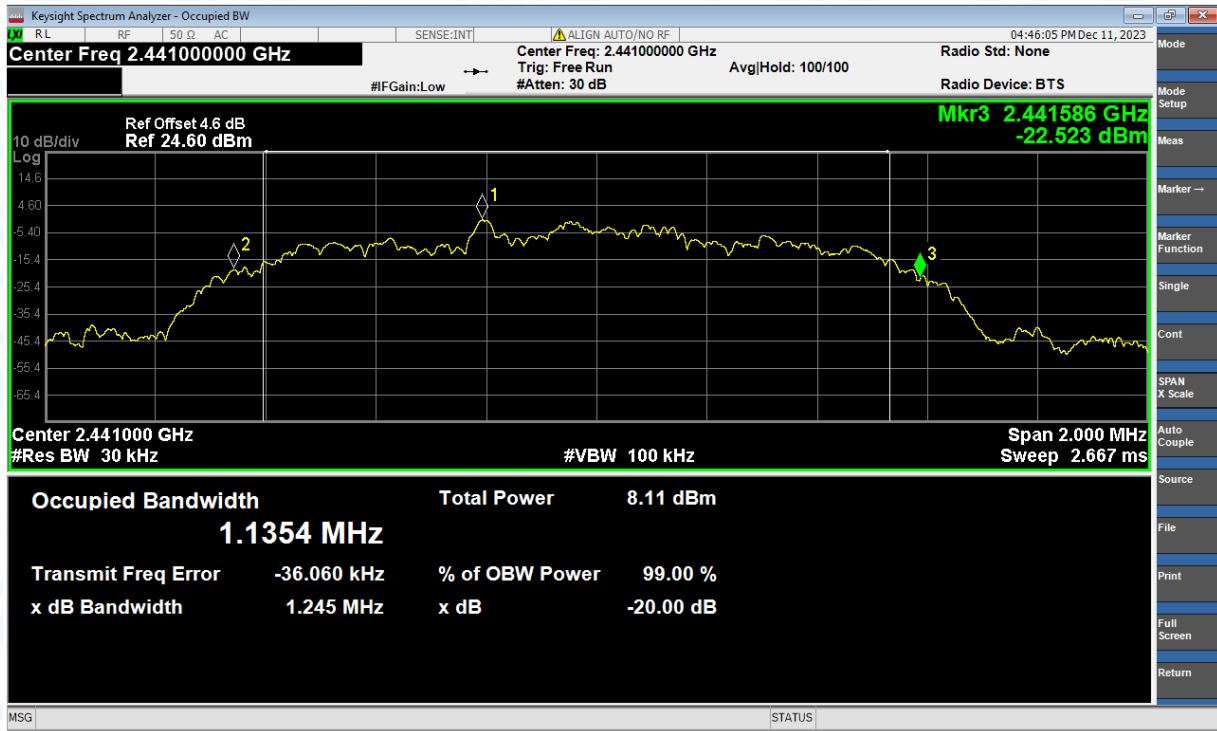
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



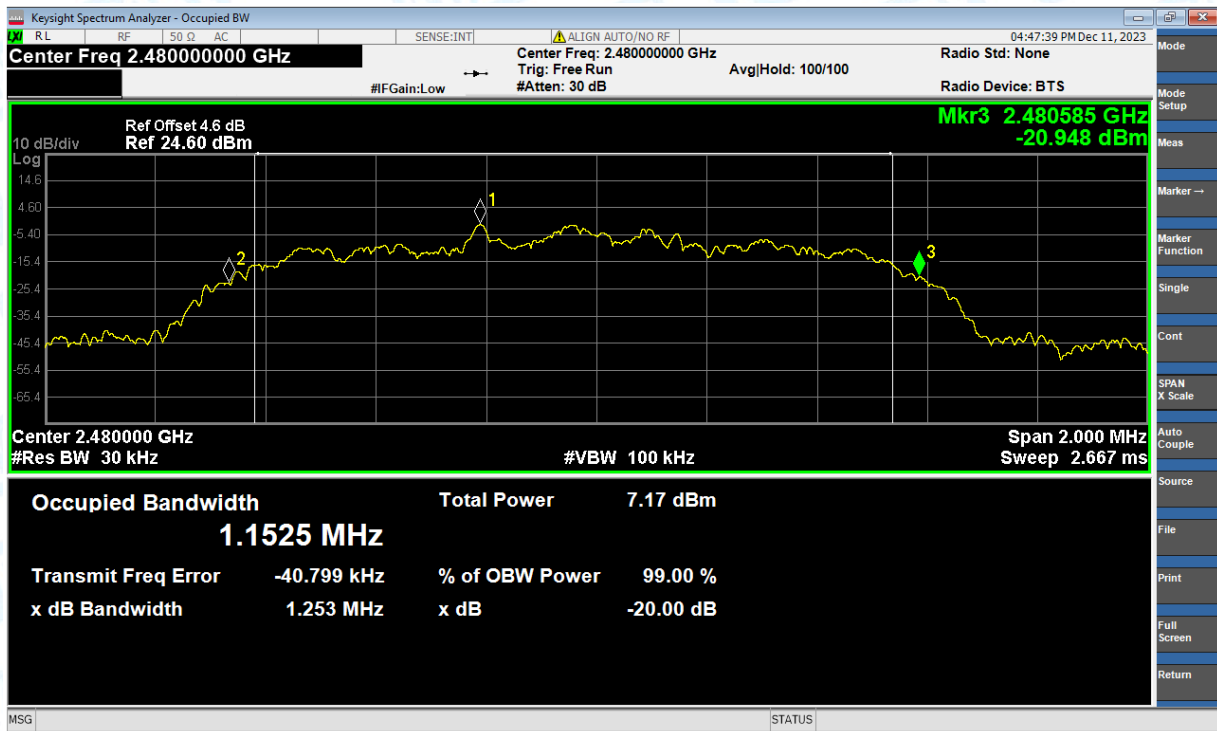
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1

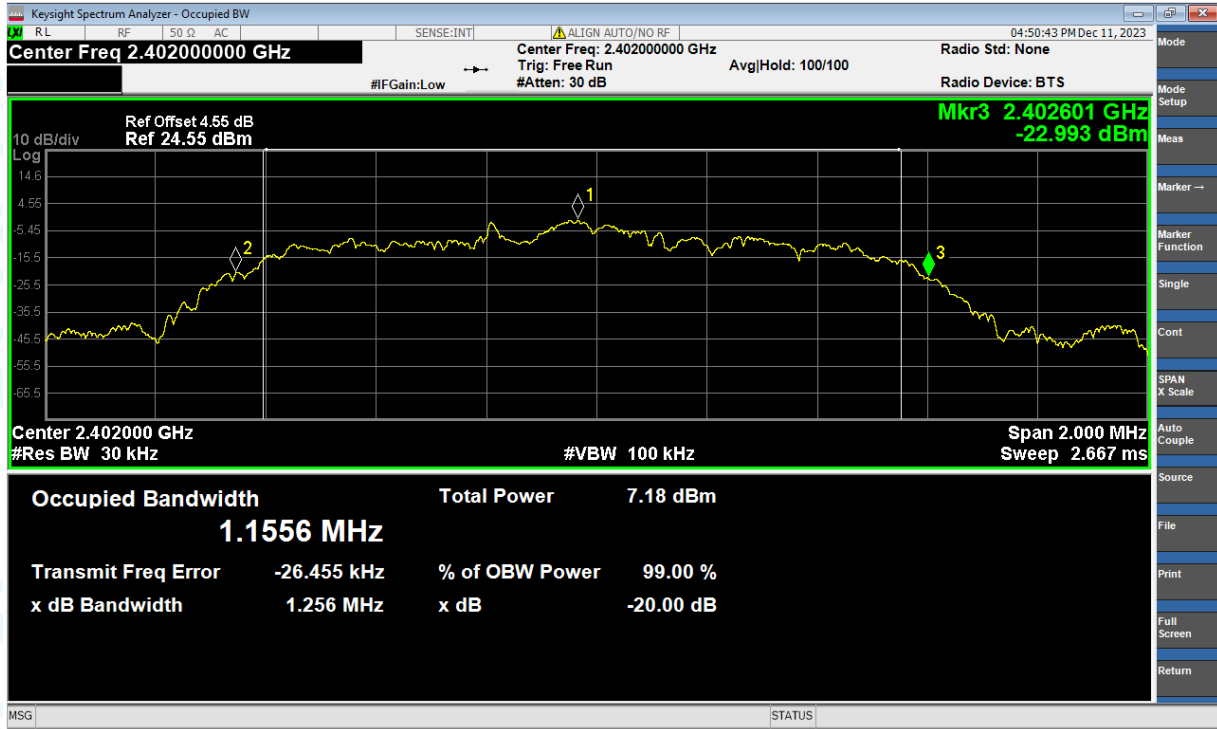


-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

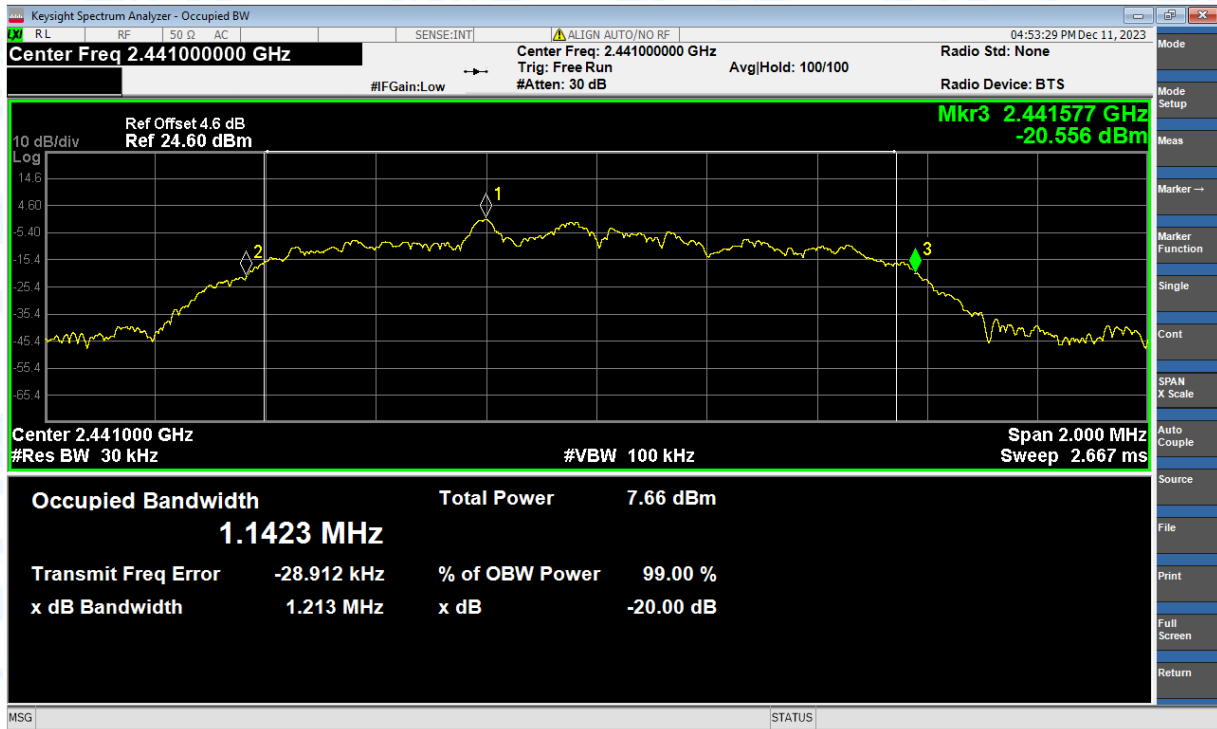


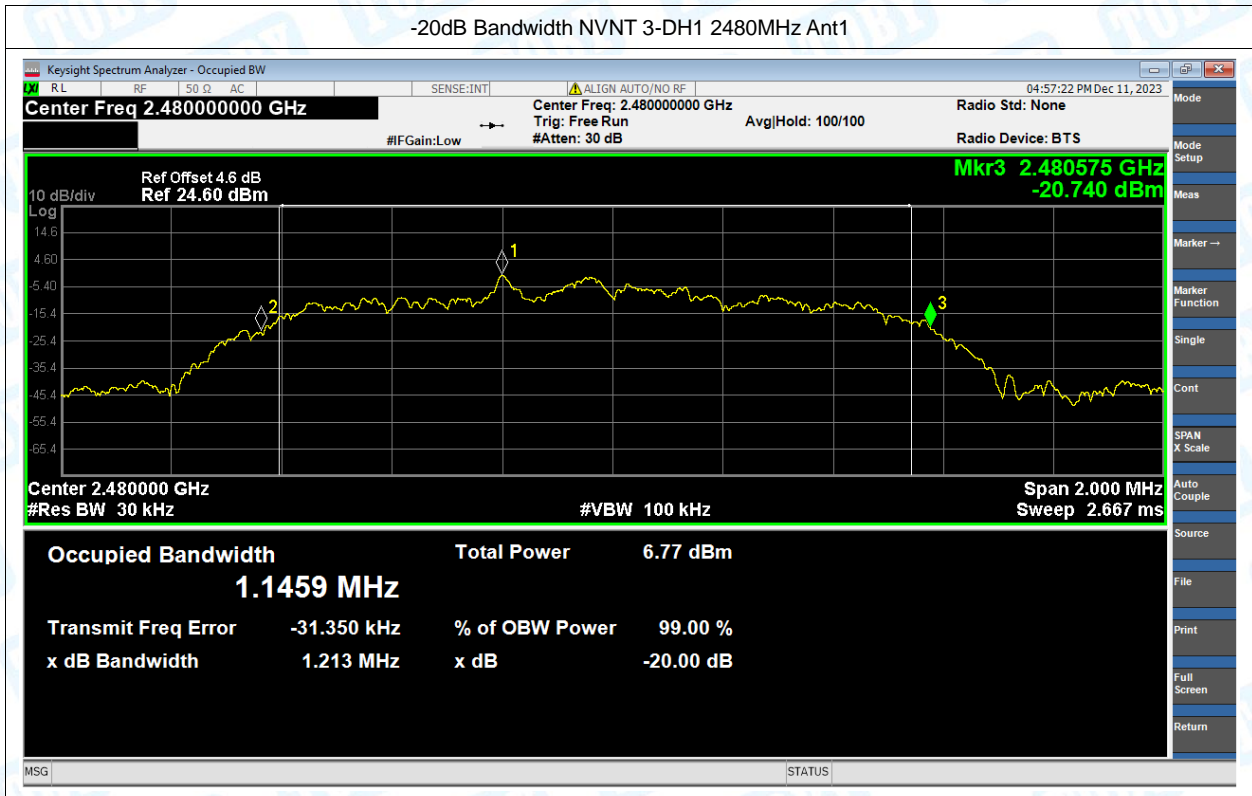


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1





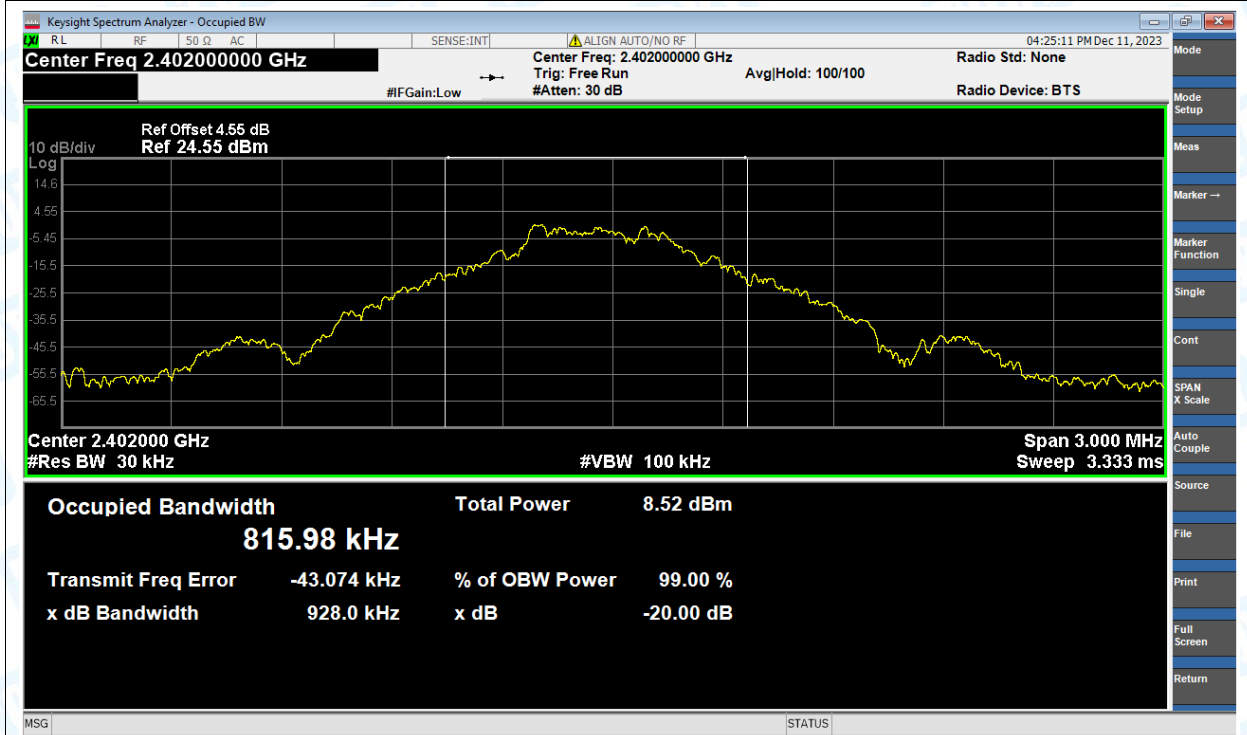


## 4.Occupied Channel Bandwidth

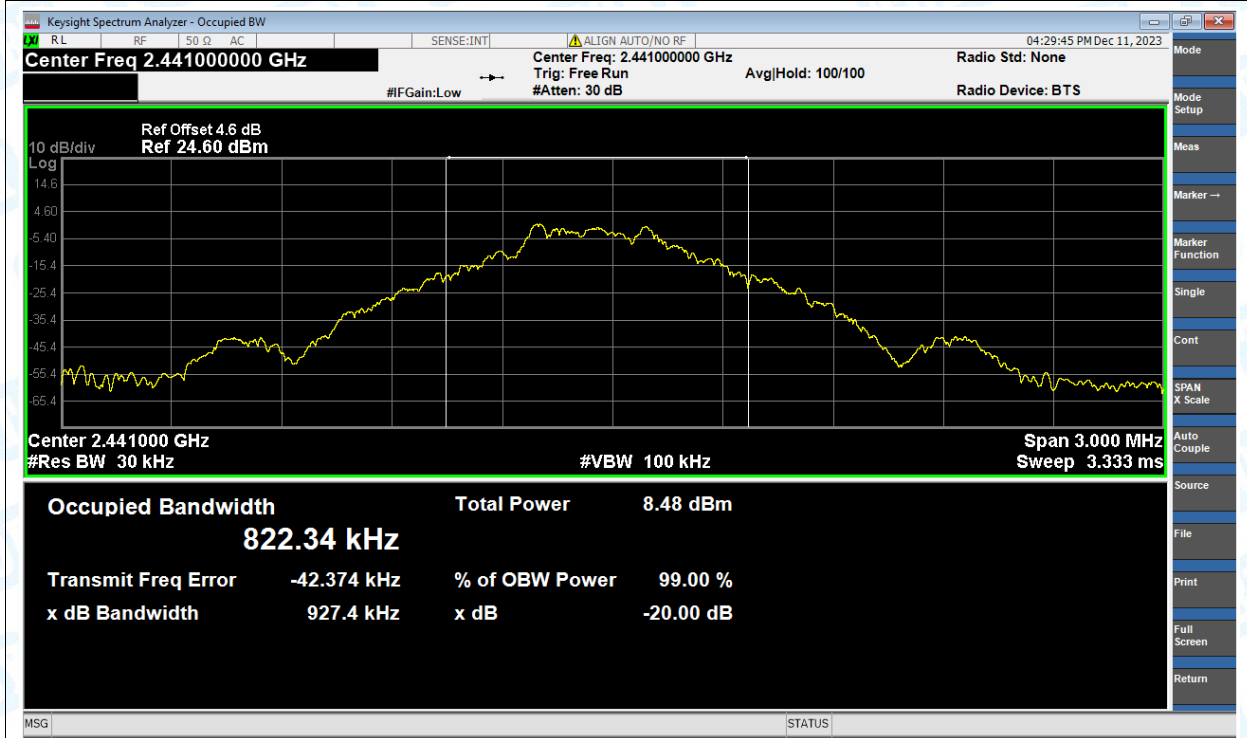
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.816
NVNT	1-DH1	2441	Ant1	0.822
NVNT	1-DH1	2480	Ant1	0.828
NVNT	2-DH1	2402	Ant1	1.15
NVNT	2-DH1	2441	Ant1	1.125
NVNT	2-DH1	2480	Ant1	1.136
NVNT	3-DH1	2402	Ant1	1.142
NVNT	3-DH1	2441	Ant1	1.151
NVNT	3-DH1	2480	Ant1	1.14

Test Graphs

OBW NVNT 1-DH1 2402MHz Ant1

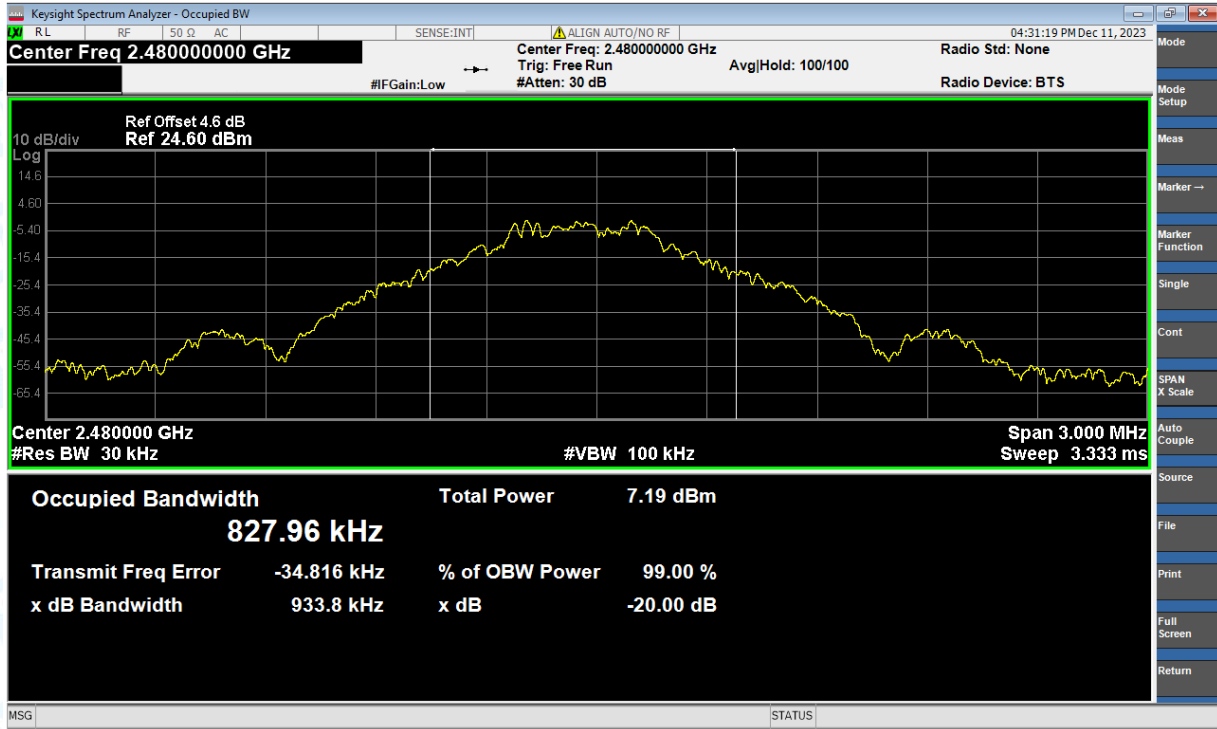


OBW NVNT 1-DH1 2441MHz Ant1

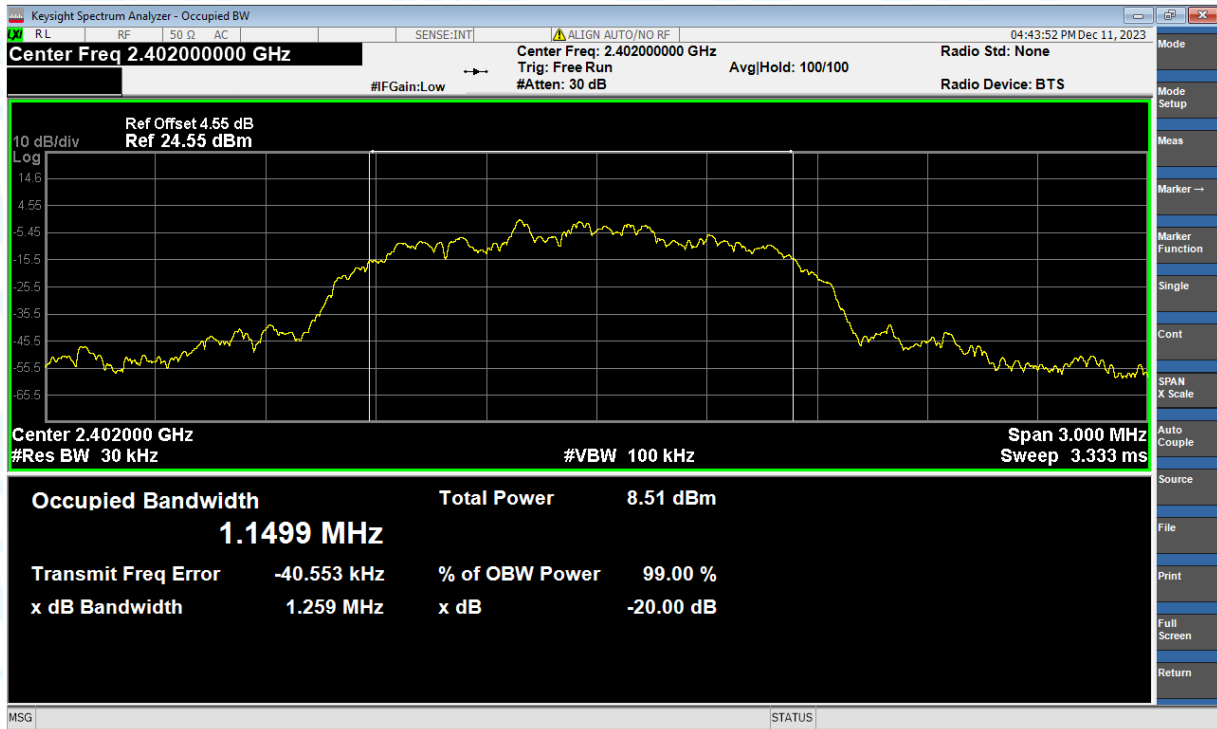




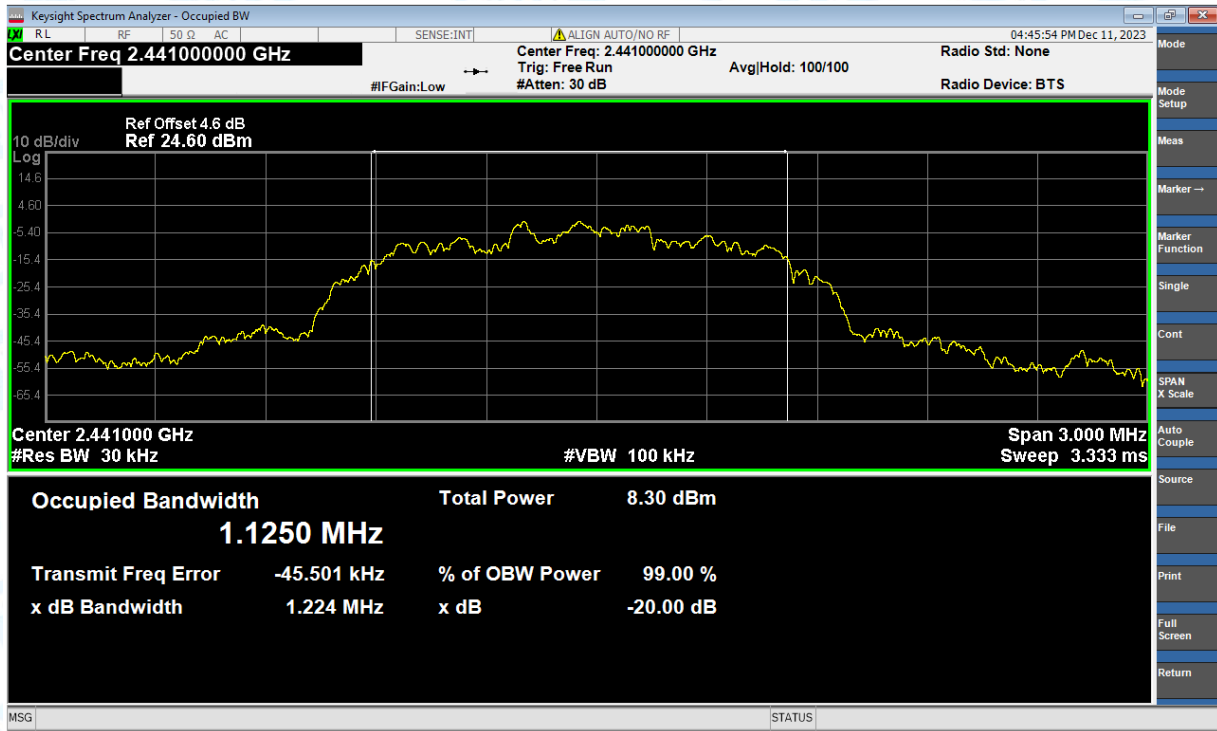
OBW NVNT 1-DH1 2480MHz Ant1



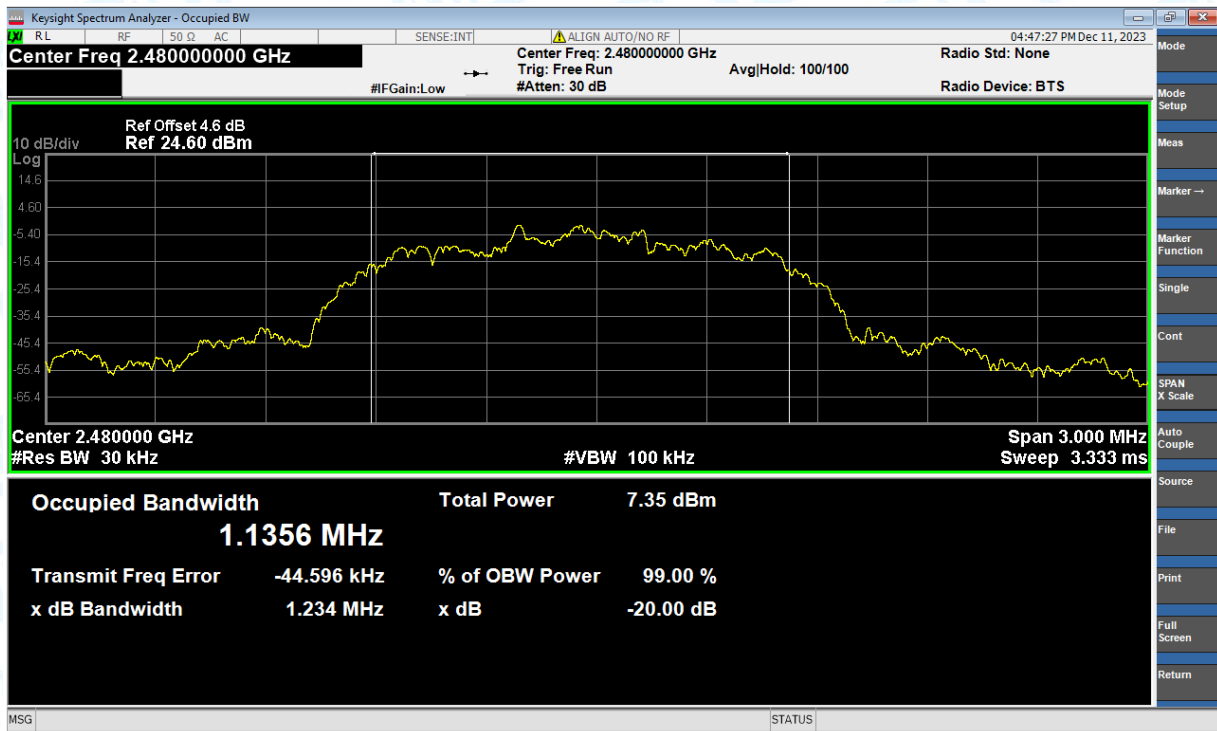
OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1

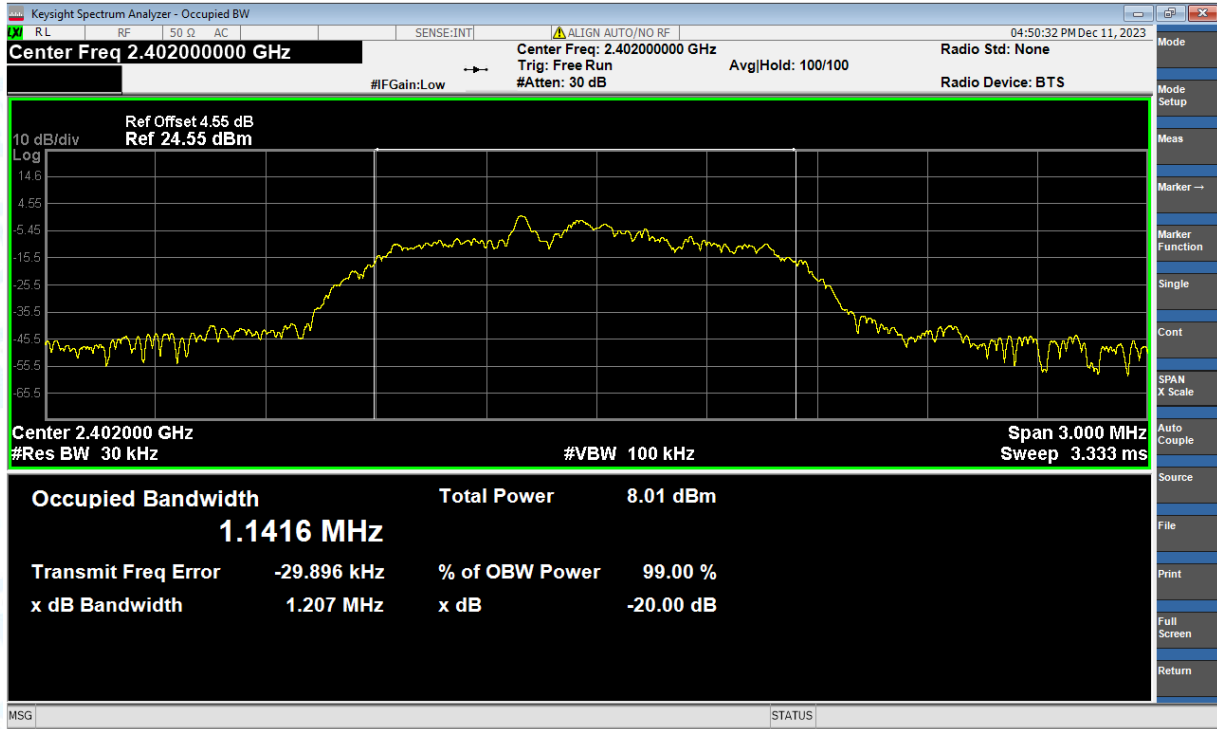


OBW NVNT 2-DH1 2480MHz Ant1

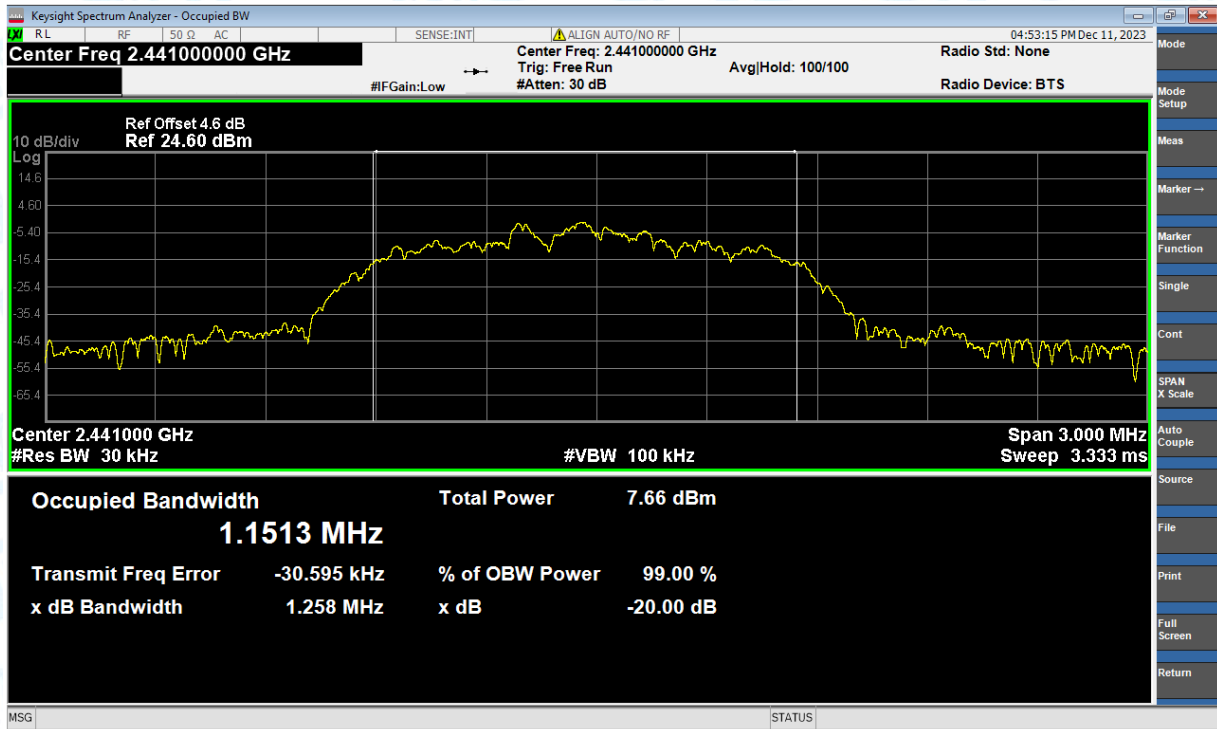


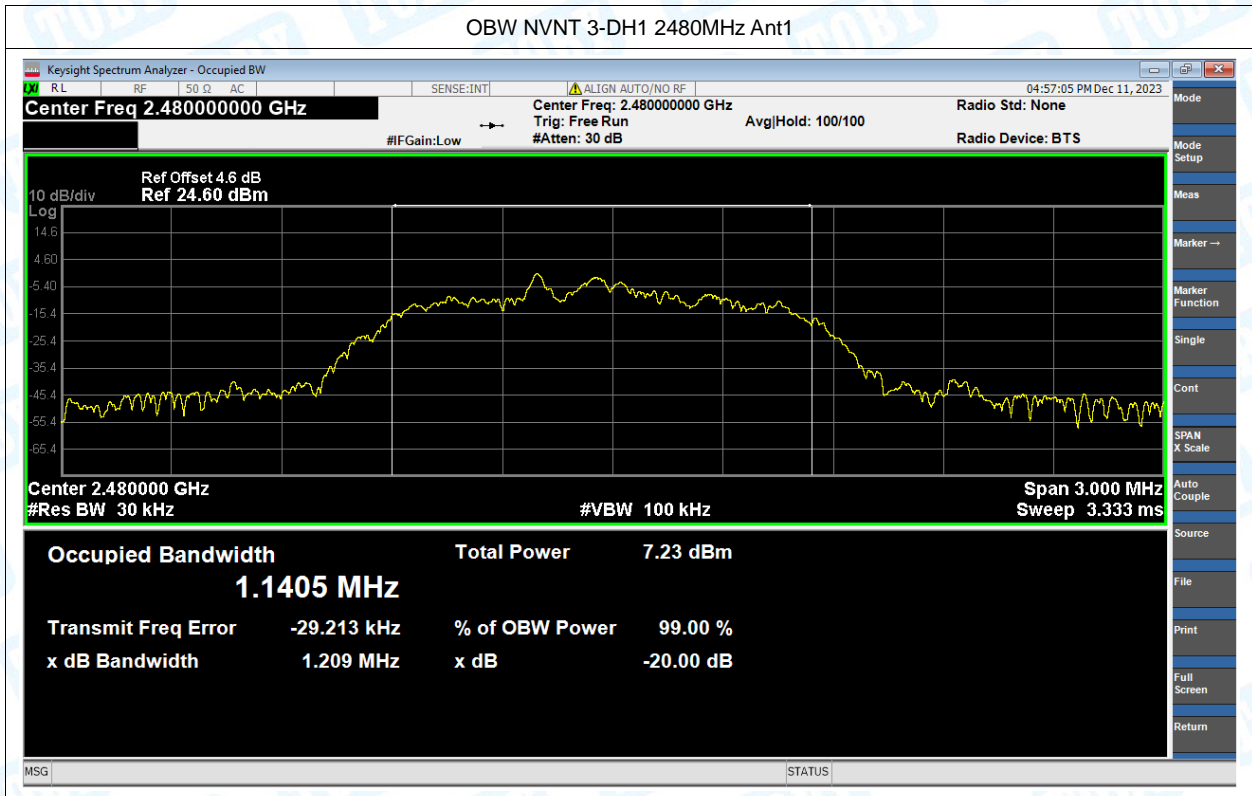


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1





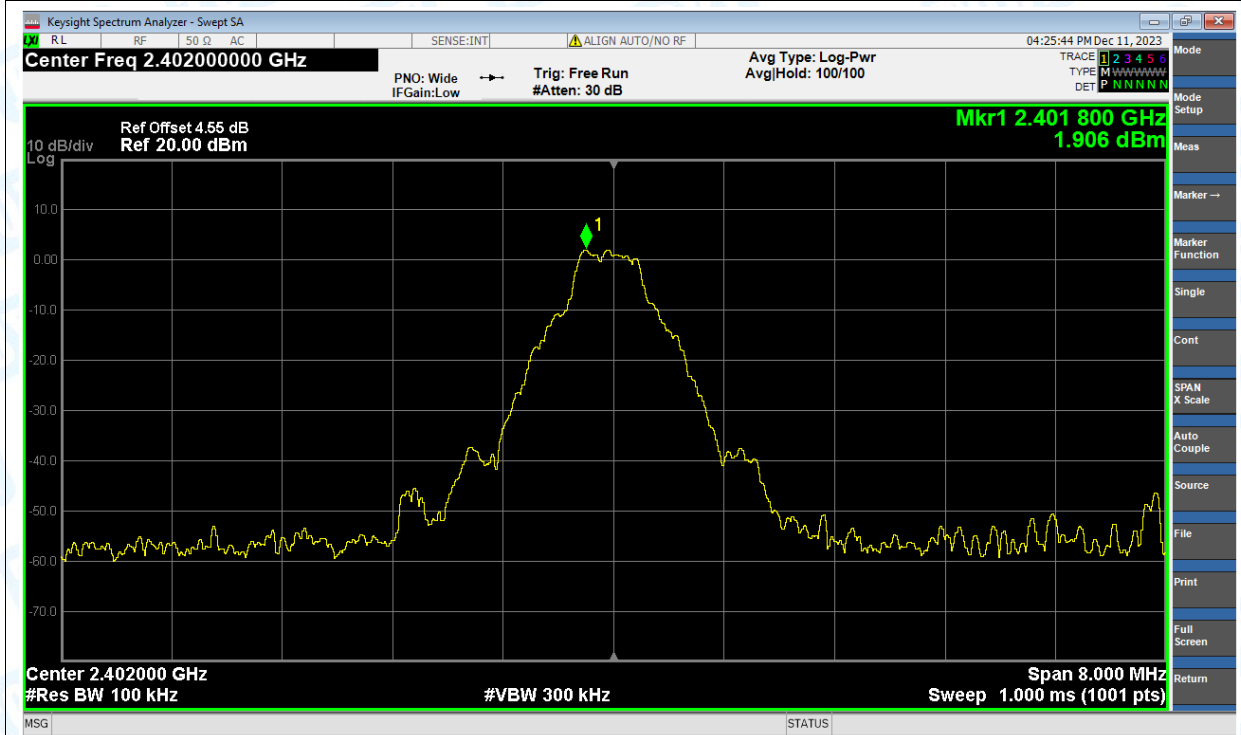


## 5.Band Edge

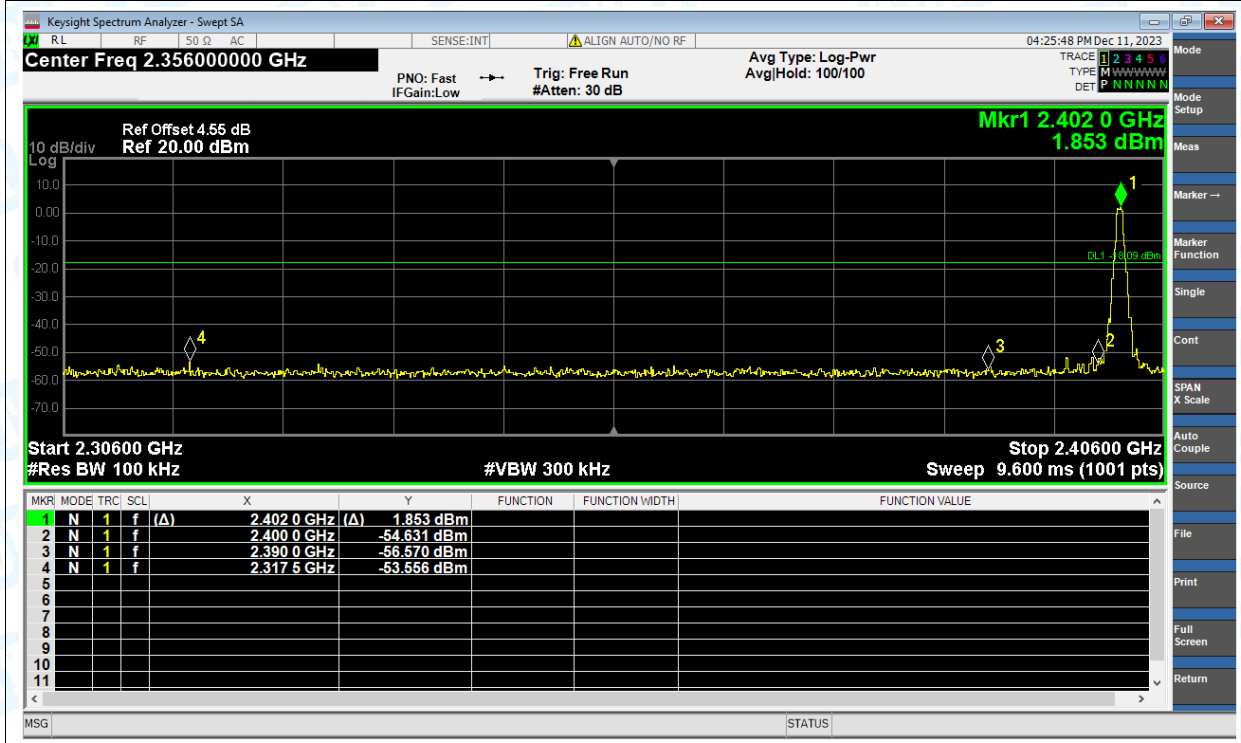
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-55.47	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.29	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-56.54	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.9	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.01	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-48.41	-20	Pass

Test Graphs

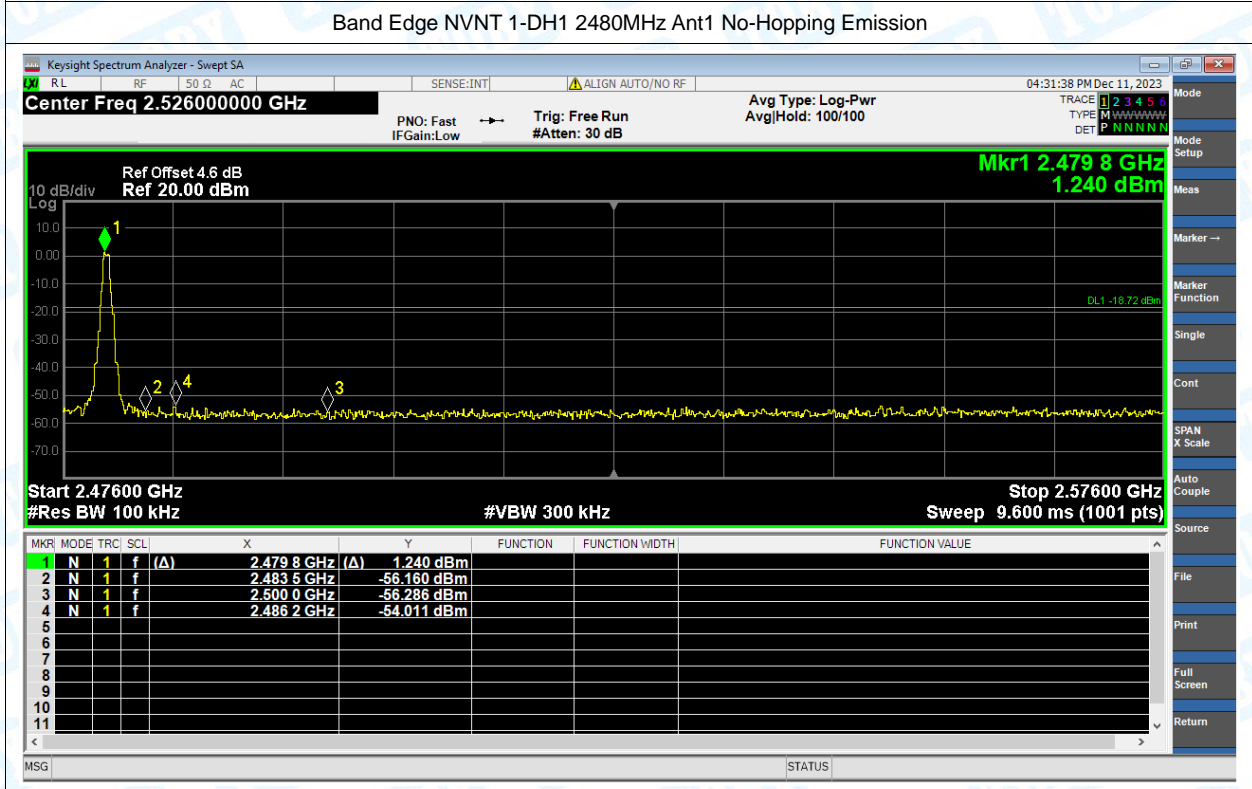
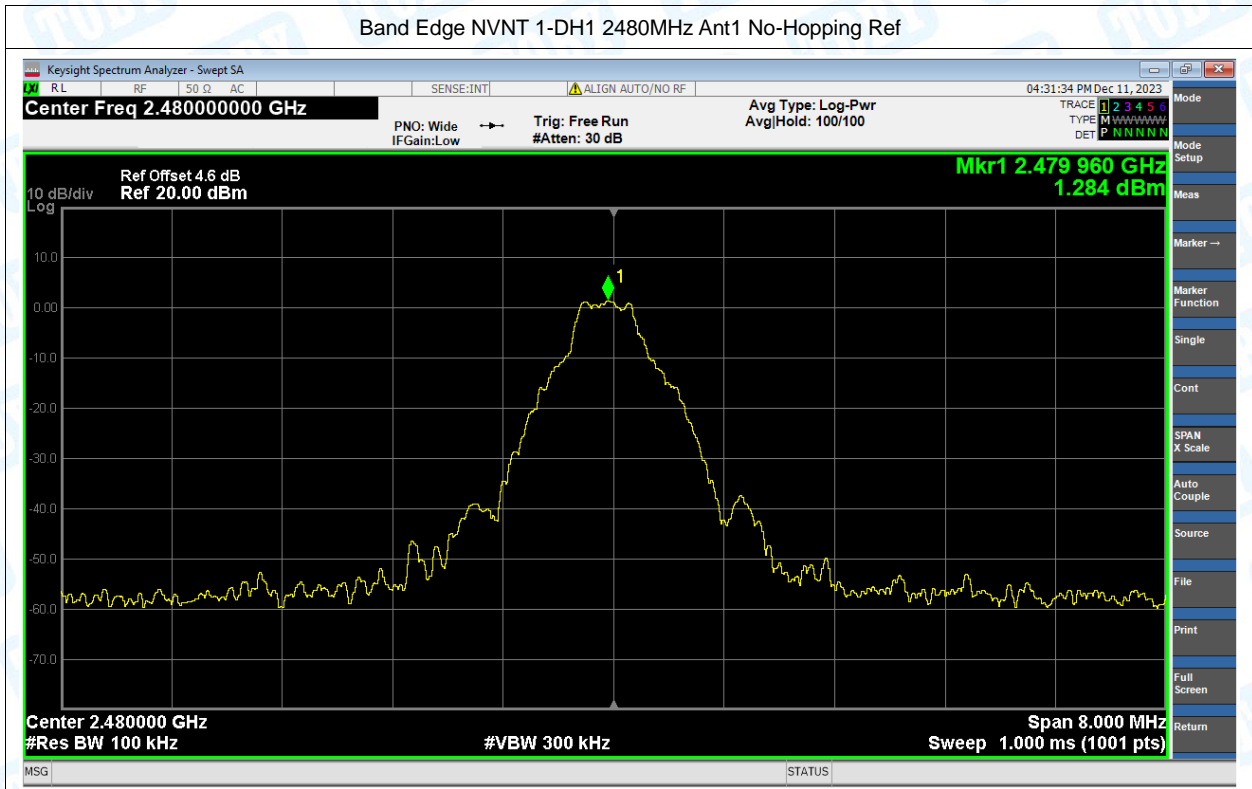
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

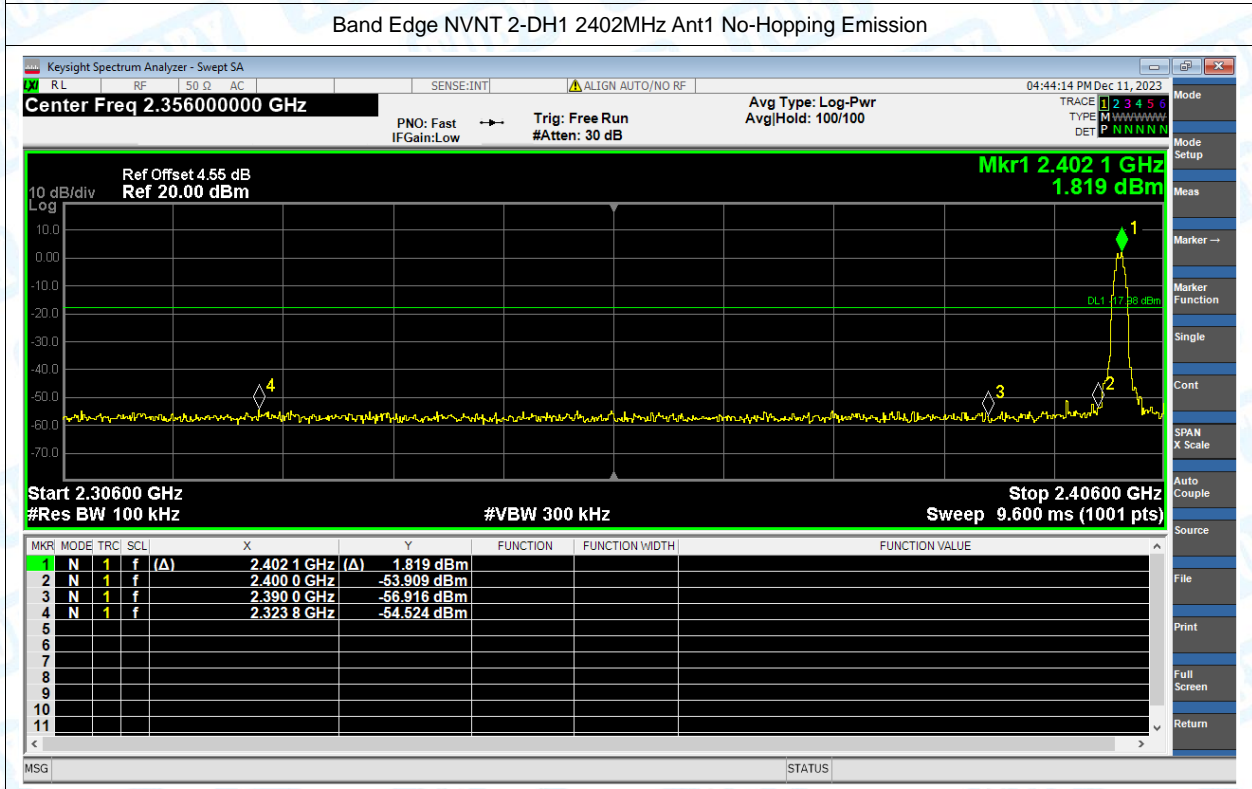
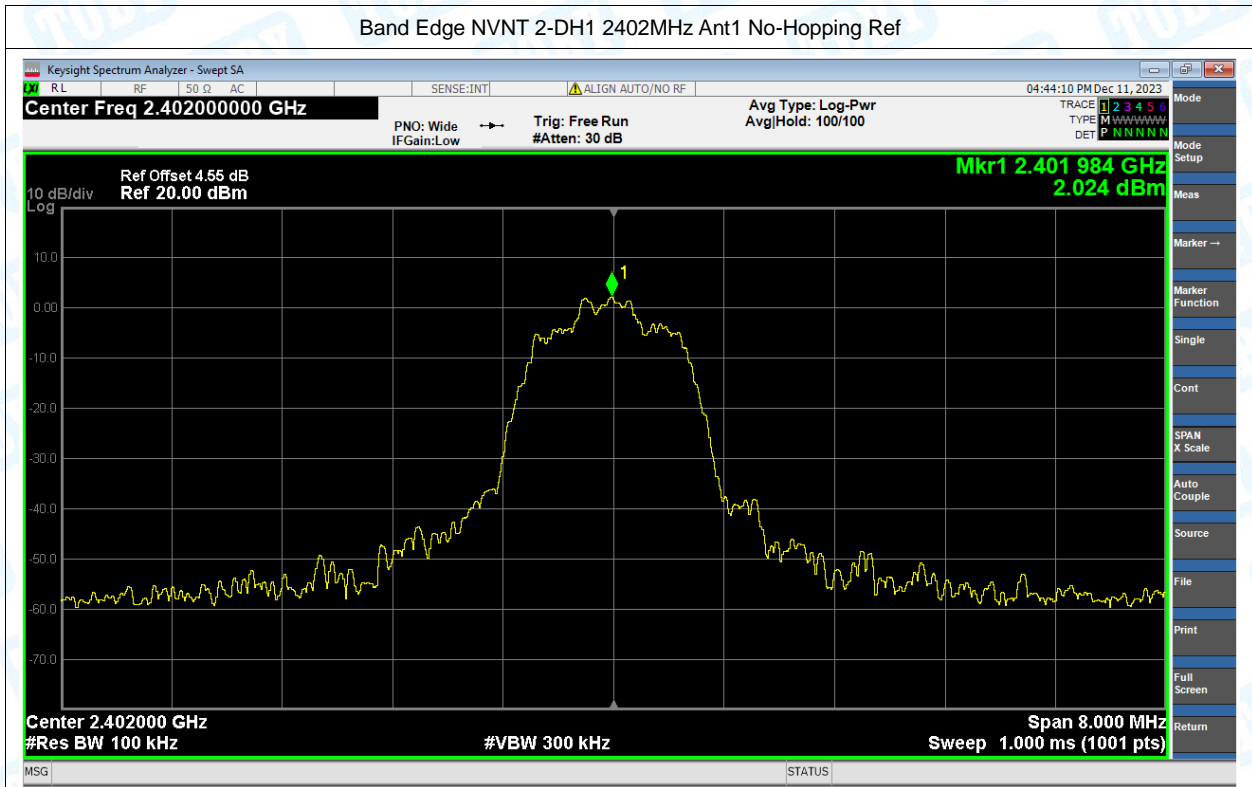


Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

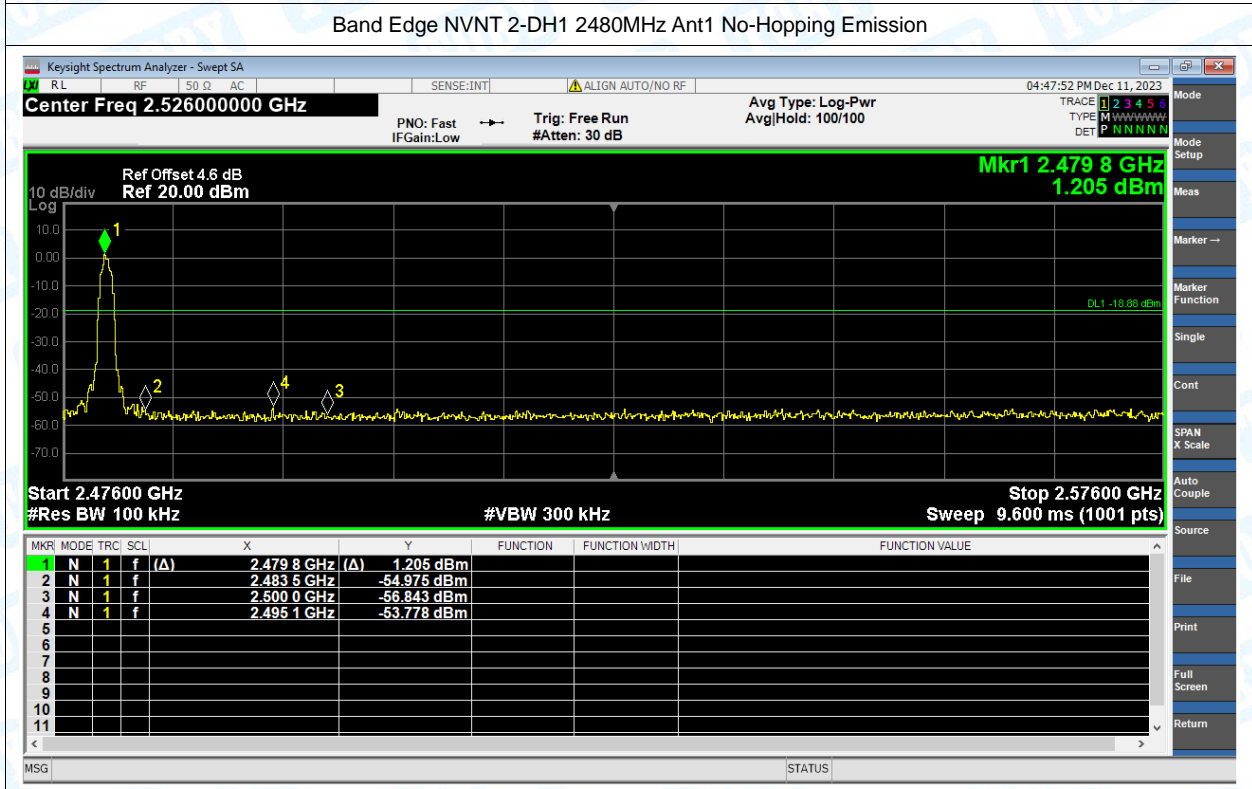
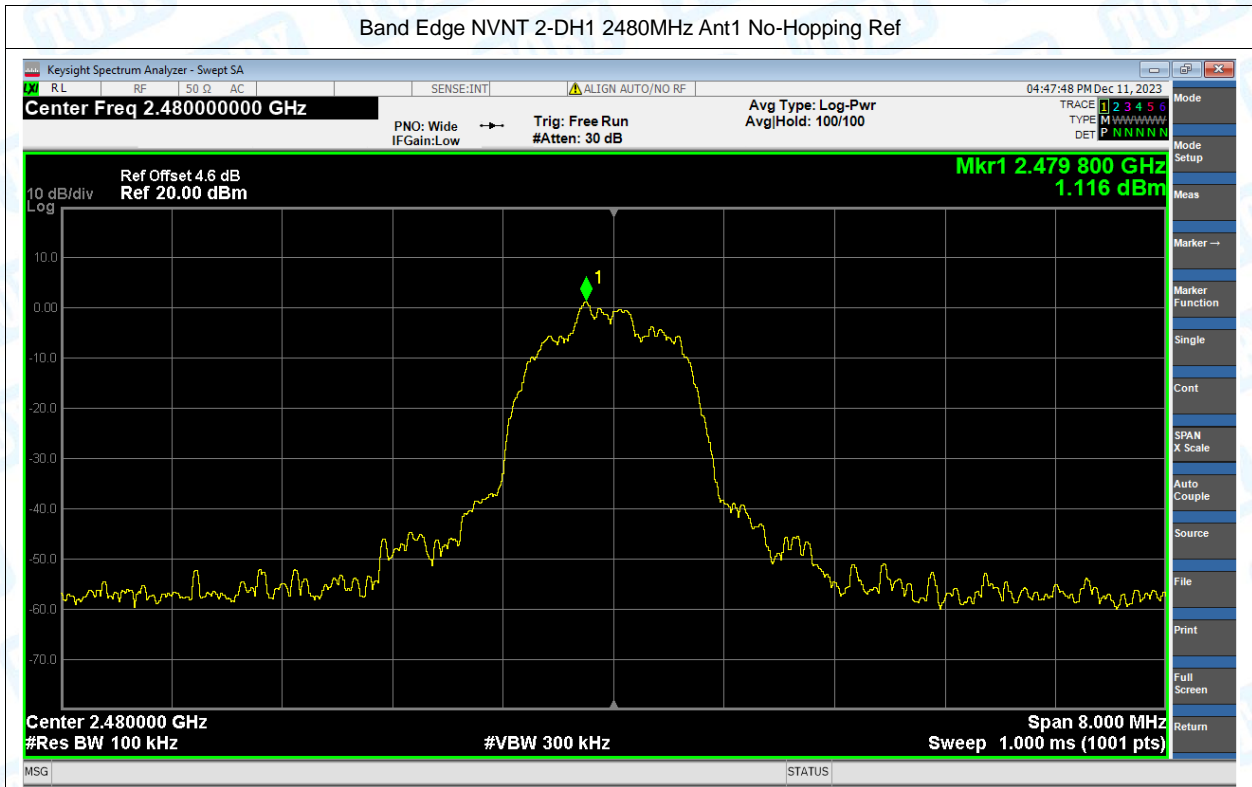


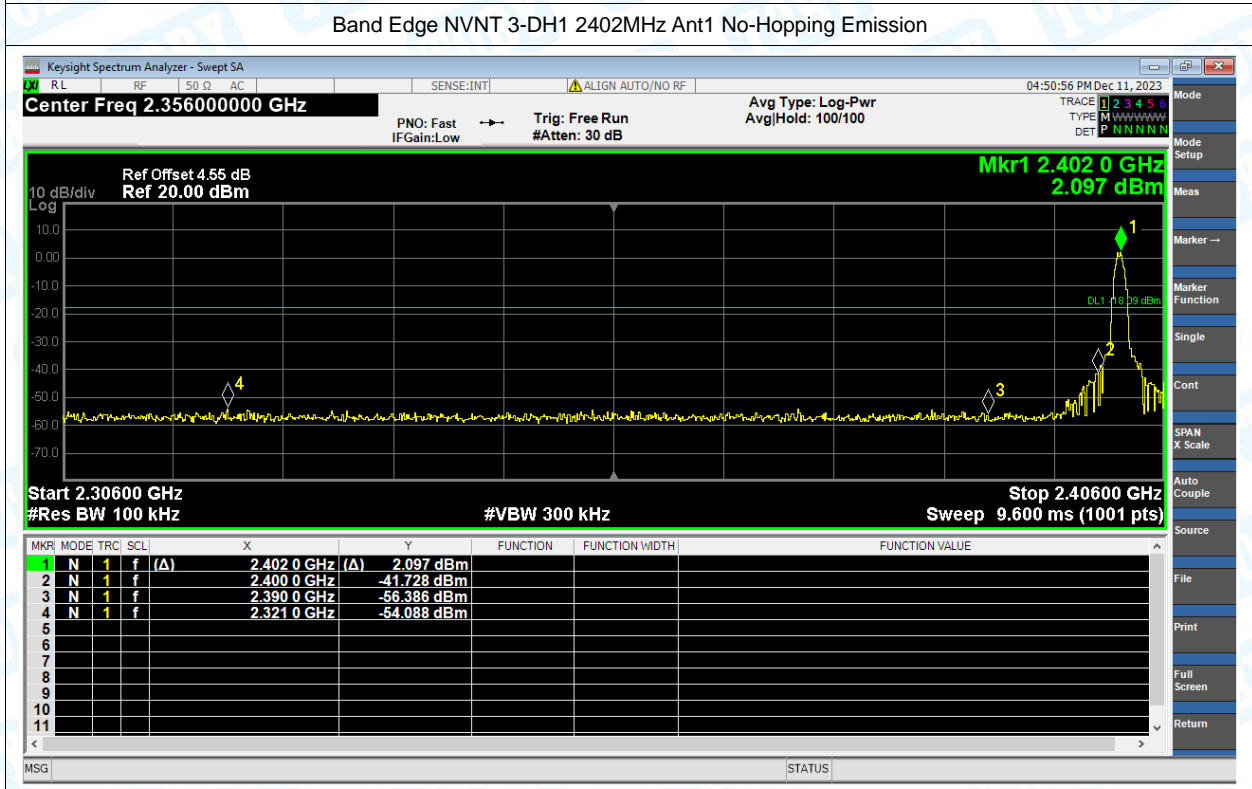
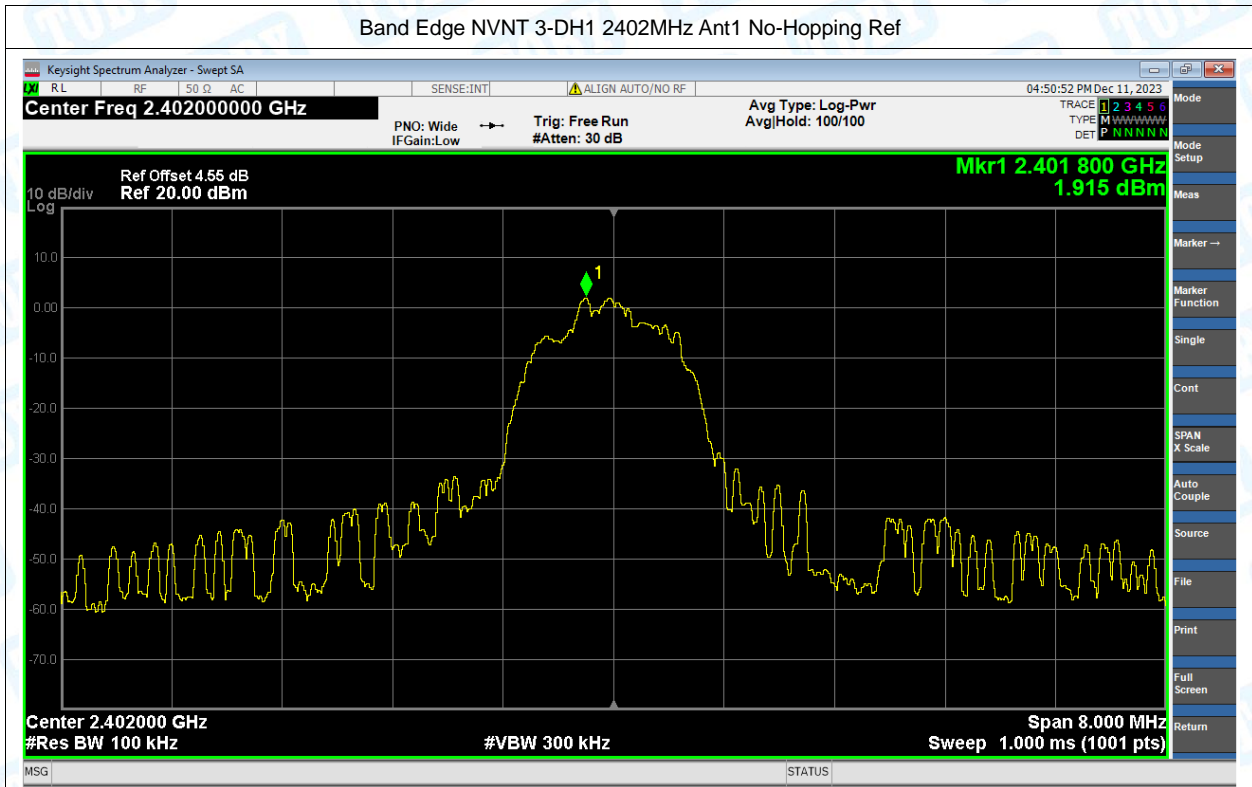




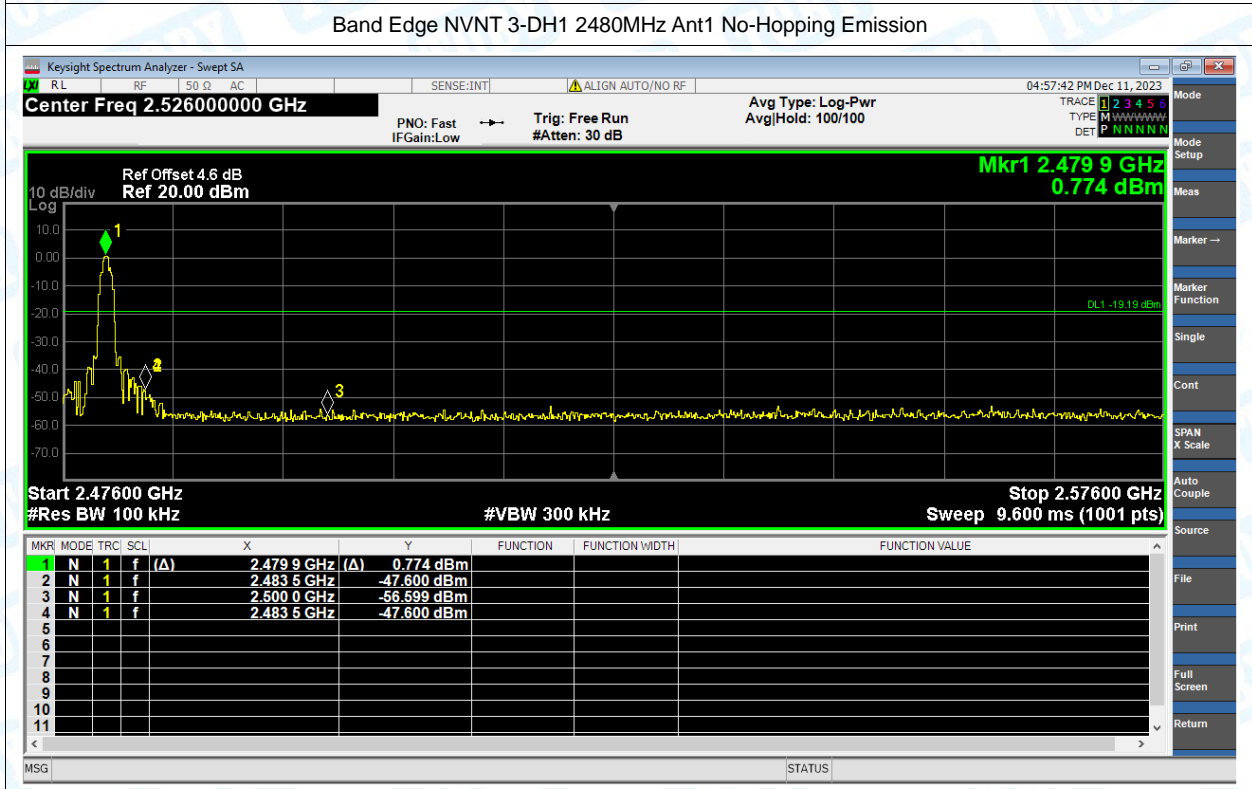
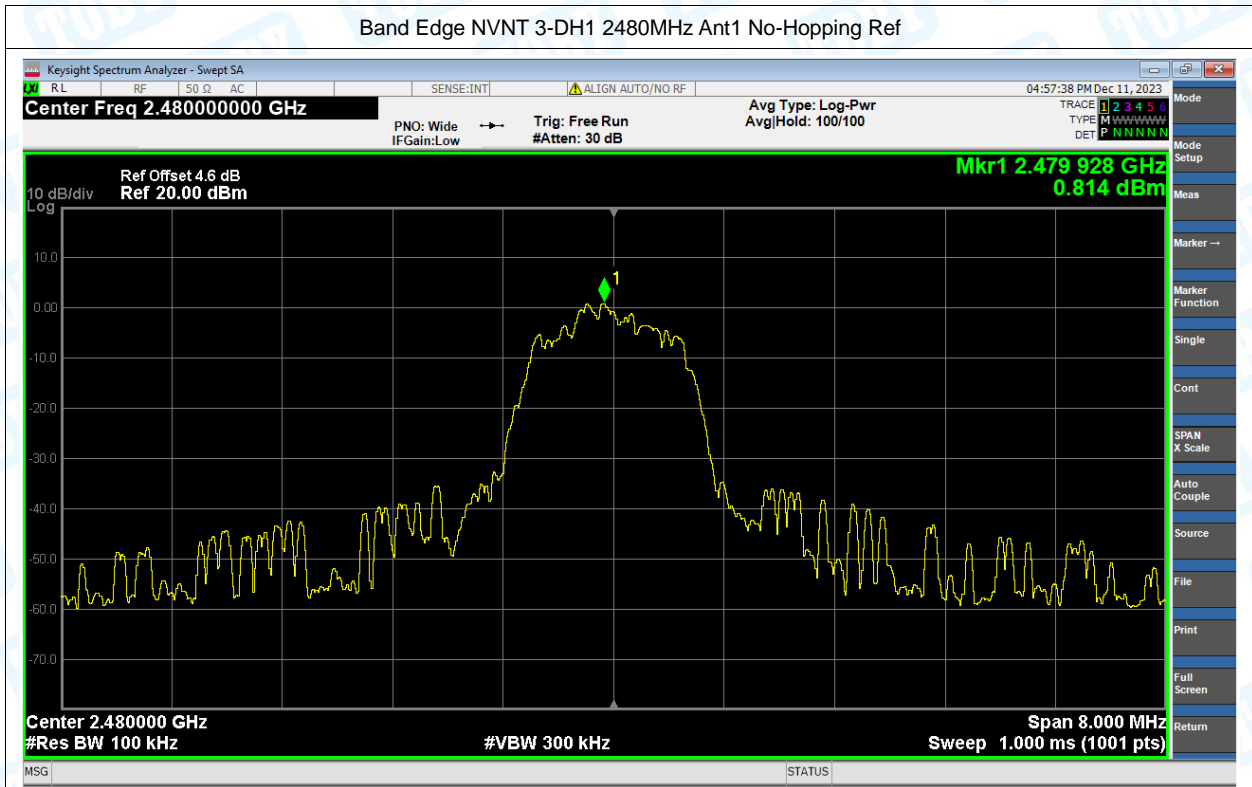












## 6.Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.27	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-55.09	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.69	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-53.96	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-55.44	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-48.12	-20	Pass