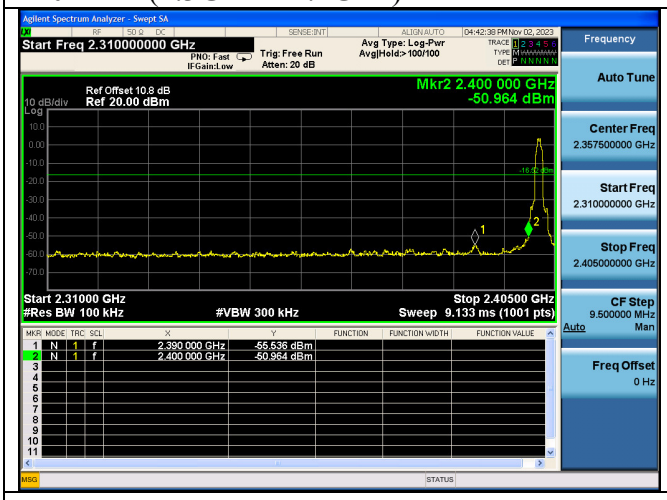
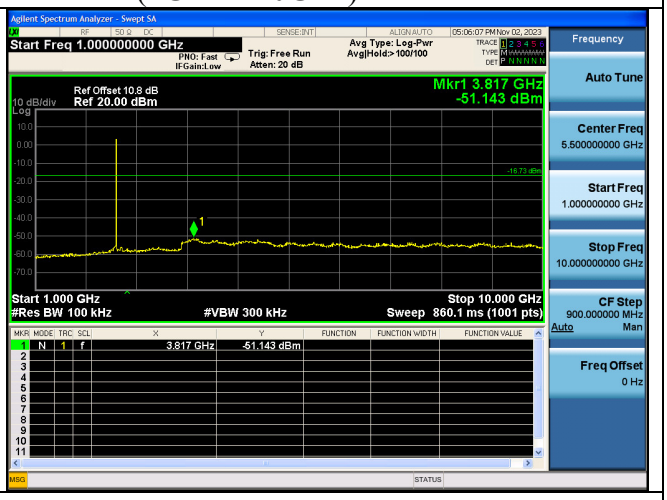
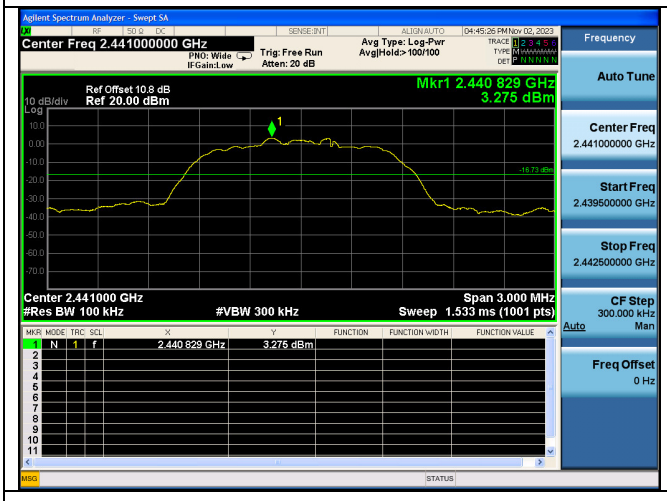
2402MHz(2.3GHz – 2.4GHz)



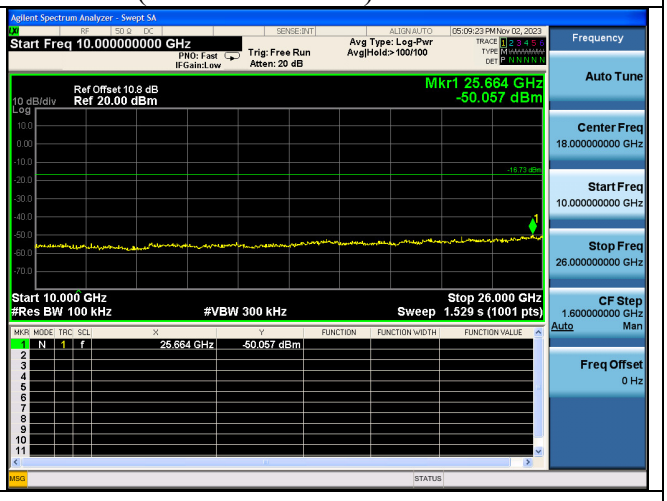
2441MHz(1GHz – 10GHz)



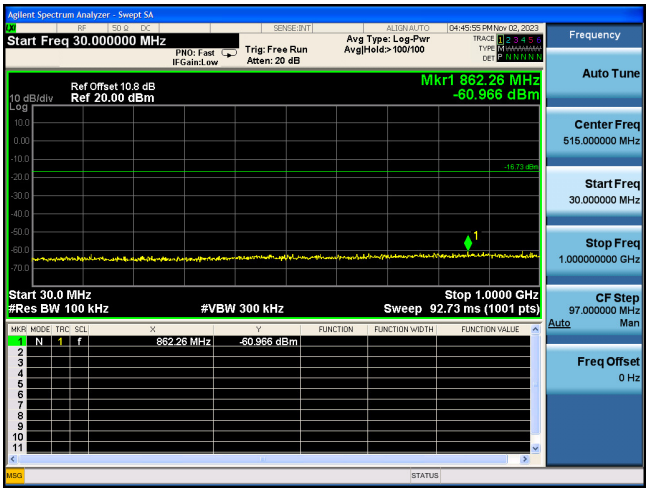
2441MHz



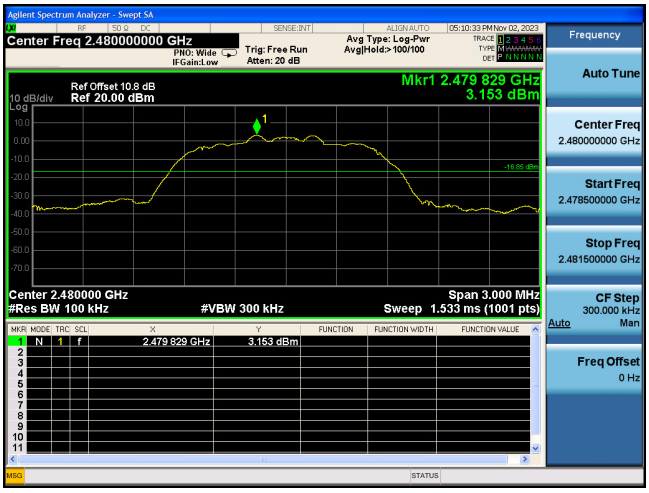
2441MHz(10GHz – 26GHz)



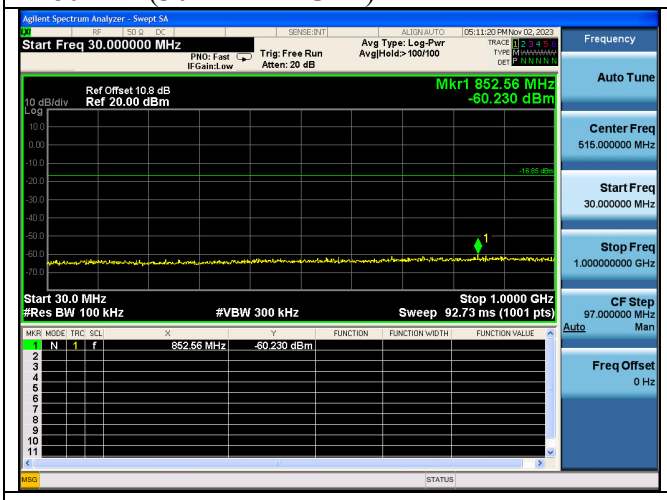
2441MHz (30MHz – 1GHz)



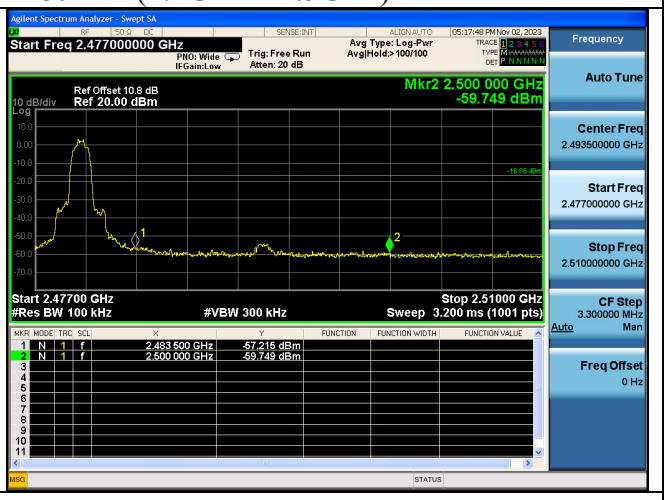
2480MHz



2480MHz(30MHz – 1GHz)

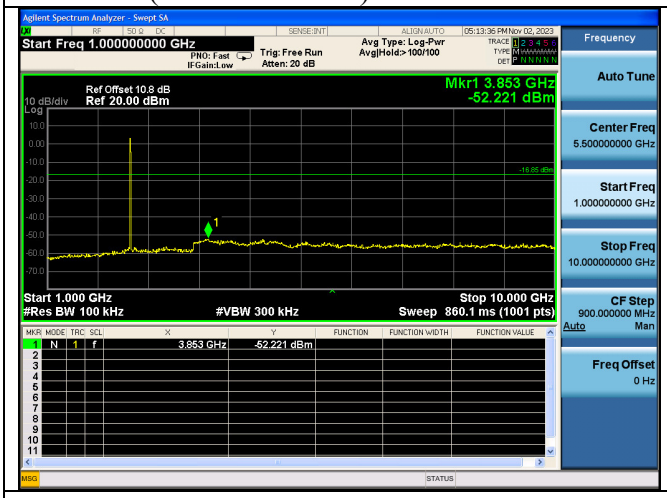


2480MHz(2.4GHz – 2.5GHz)

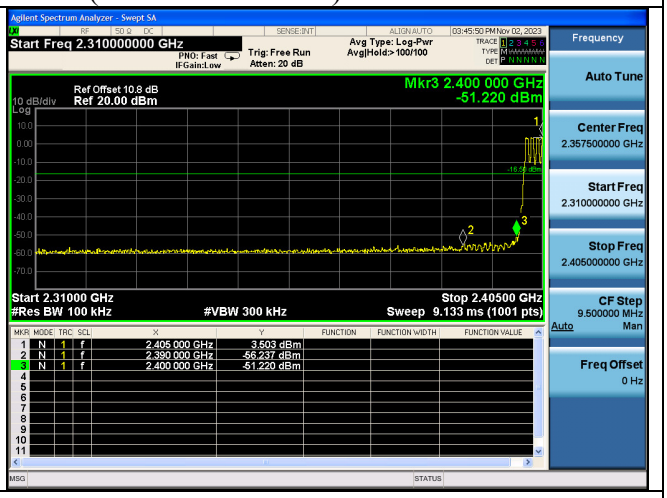


Hopping on

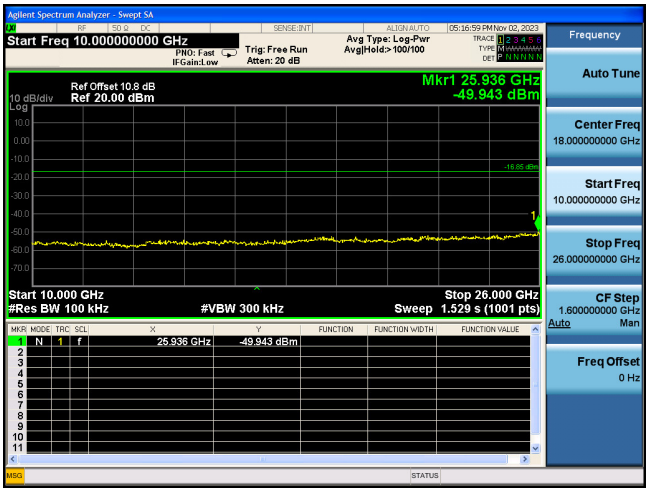
2480MHz(1GHz – 10GHz)



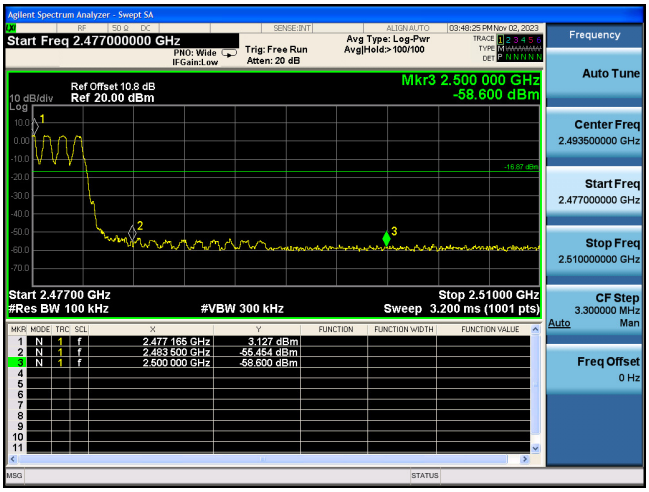
GFSK(2.3GHz – 2.4GHz)

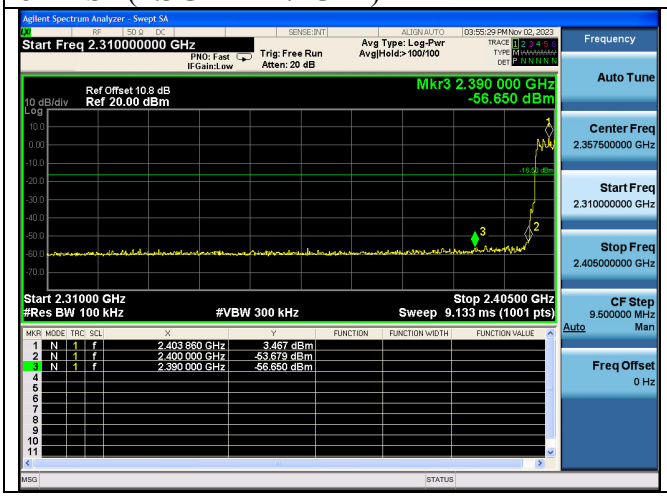
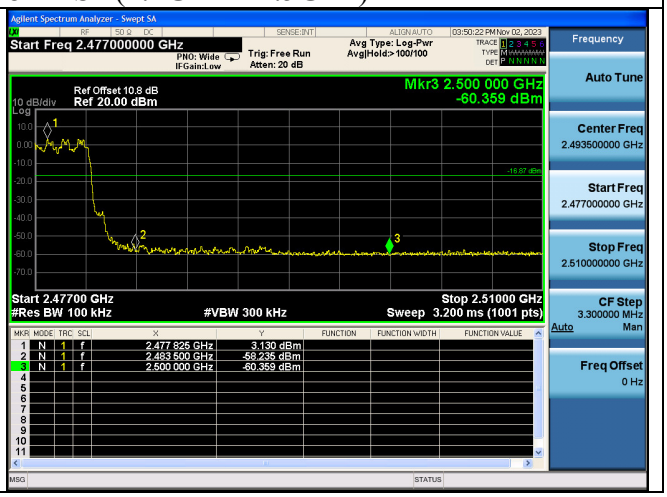


2480MHz(10GHz – 26GHz)



GFSK(2.4GHz – 2.5GHz)



8-DPSK(2.3GHz – 2.4GHz)	8-DPSK(2.4GHz – 2.5GHz)
	

6. 20 DB & 99% BANDWIDTH TEST

6.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Apr.01,23	1 Year
2.	RF Cable	HUBER+SUHNER	SUCOFLEX-106	505238/6	Apr.02,23	1 Year

6.2.Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

6.3.Test Procedure

Use the test method descried in ANSI C63.10 clause 7.8.7:

1. Connect the antenna port of the EUT to the spectrum analyzer.
2. Let the EUT transmit at Low/ Mid/ High channel with test software.
3. Setting of SA is following as: RBW: 30kHz / VBW: 100kHz
   Sweep Mode: Continuous sweep
   Detect mode: Positive peak
   Trace mode: Max hold.
4. Use the occupied bandwidth function of the SA measure the 20dB bandwidth directly.

6.4.Test Results

EUT: Sound Bar		
M/N: HT-S100F		
Test date: 2023-11-01	Pressure: 101.5±1.0 kpa	Humidity: 53.1±3.0%
Tested by: Carl	Test Site: RF site	Temperature:22.3±0.6℃

Test Mode	CH	20dB Bandwidth (KHz)	Limit (KHz)
GFSK	CH0	955.3	N/A
	CH39	953.2	
	CH78	953.4	
8-DPSK	CH0	1258	N/A
	CH39	1256	
	CH78	1258	
Conclusion：PASS			

Test Mode	CH	99% Bandwidth (KHz)	Limit (KHz)
GFSK	CH0	897.30	N/A
	CH39	897.90	
	CH78	898.27	
8-DPSK	CH0	1161.9	N/A
	CH39	1161.2	
	CH78	1161.0	
Conclusion:Pass			