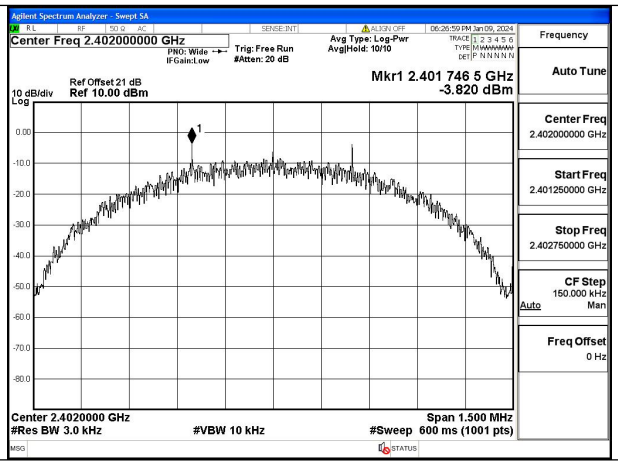
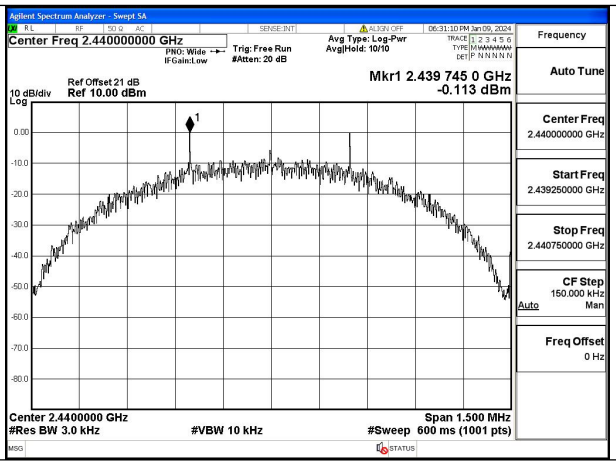
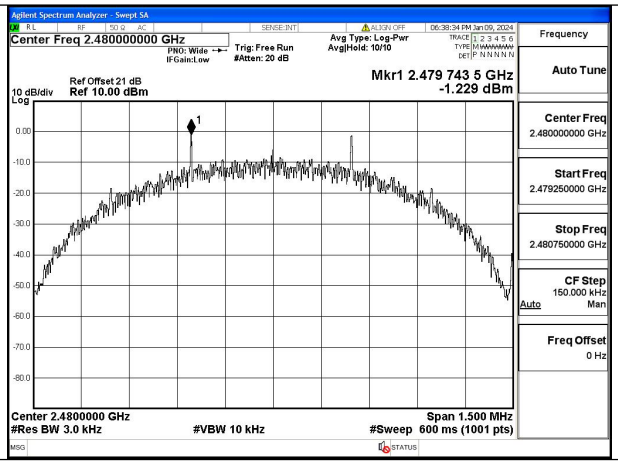
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



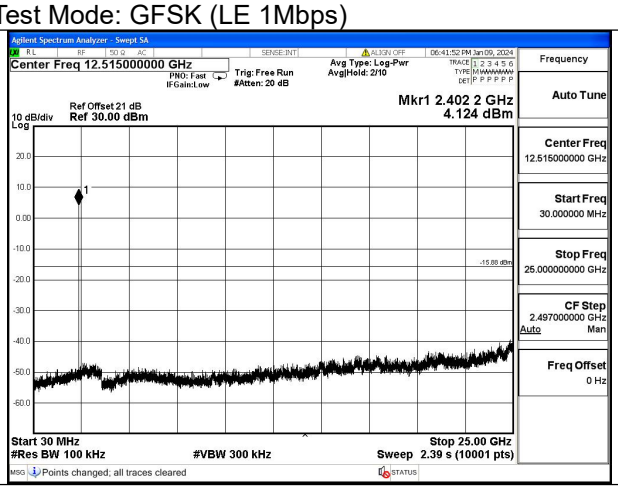
Test Mode:Coded 500K 2440MHz



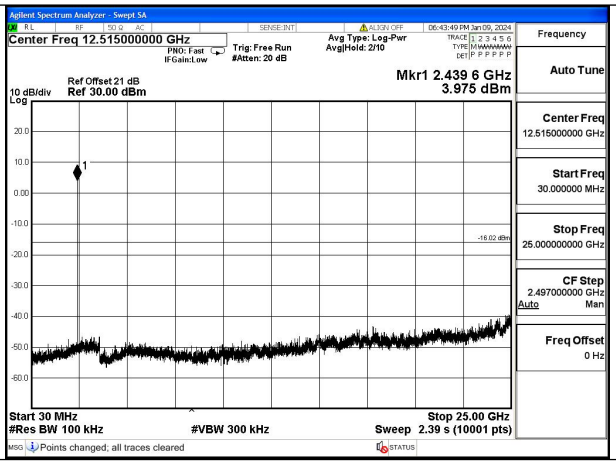
Test Mode:Coded 500K 2480MHz

5 Conducted Out of band emission measurement

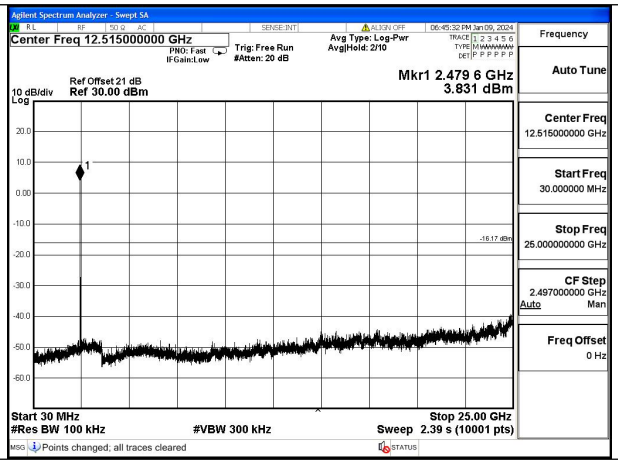
Test Mode: GFSK (LE 1Mbps)



CH0

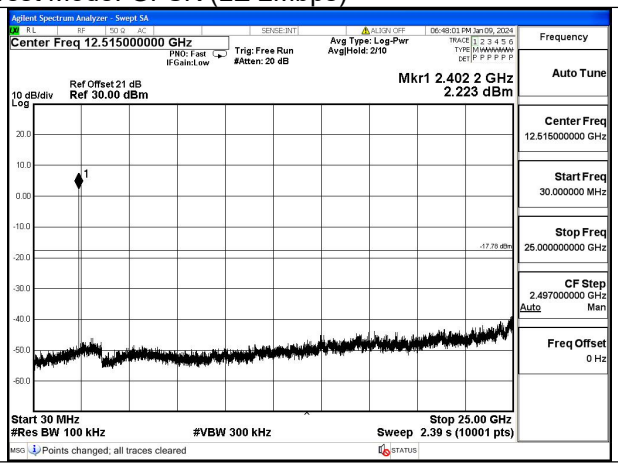


CH19

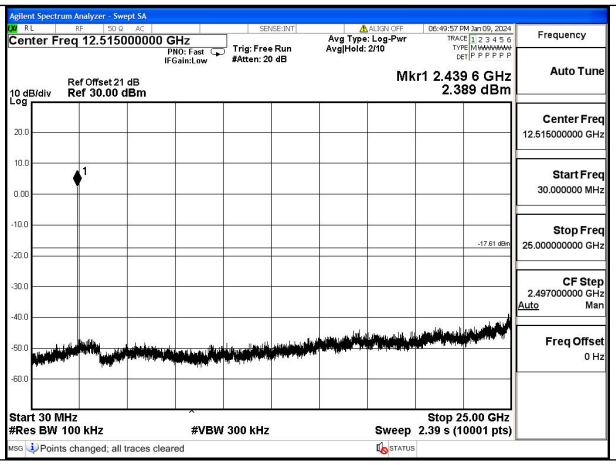


CH39

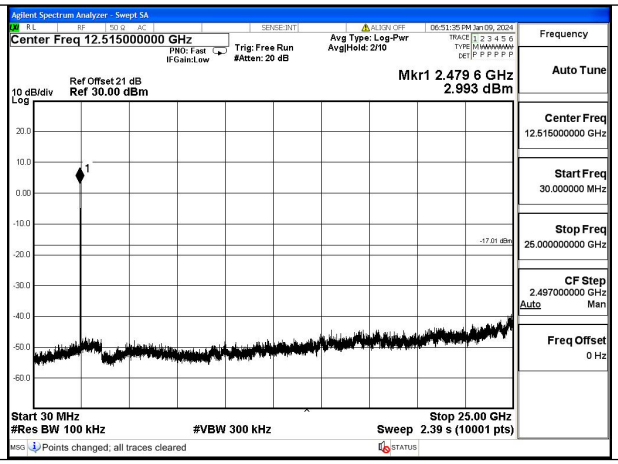
Test Mode: GFSK (LE 2Mbps)



CH0

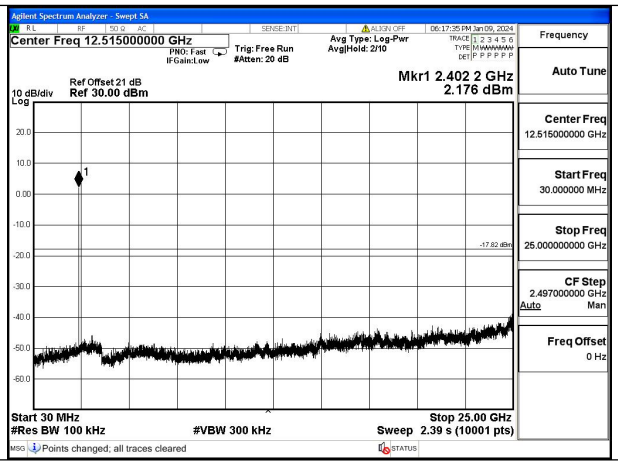


CH19

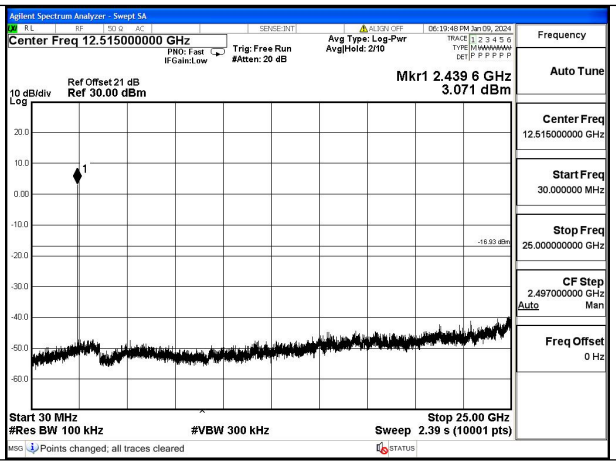


CH39

Test Mode: Coded 125K



CH0



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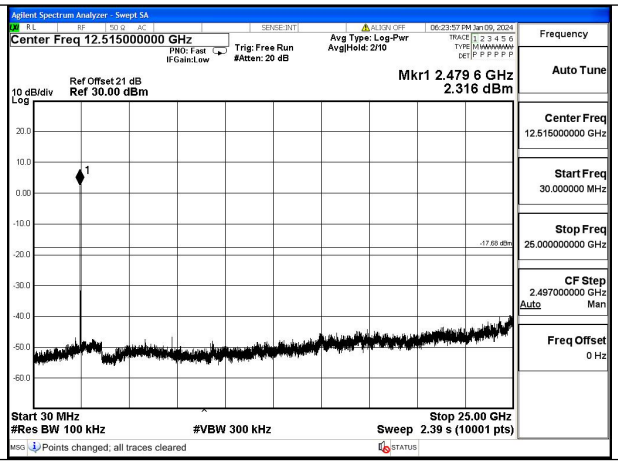
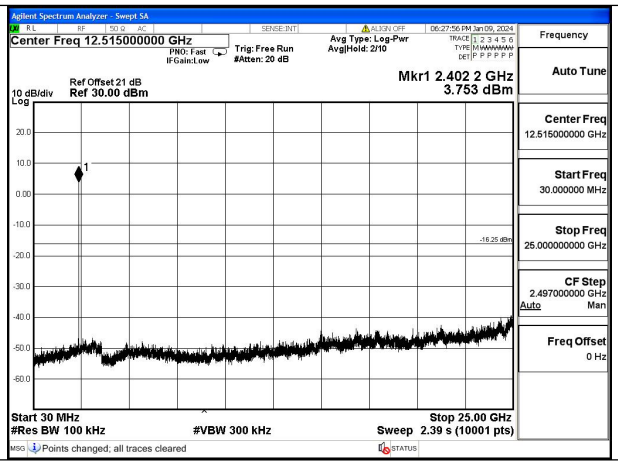
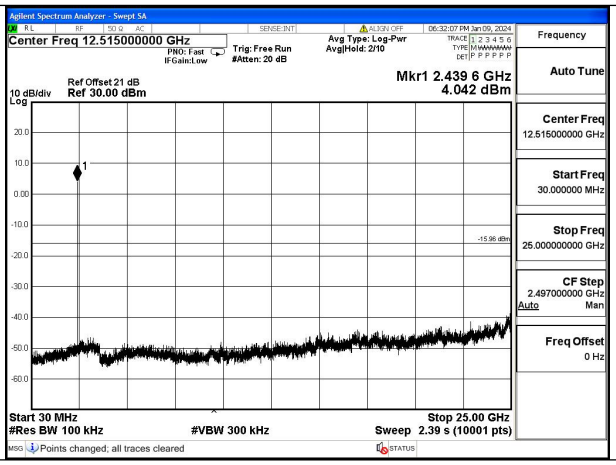


CH39

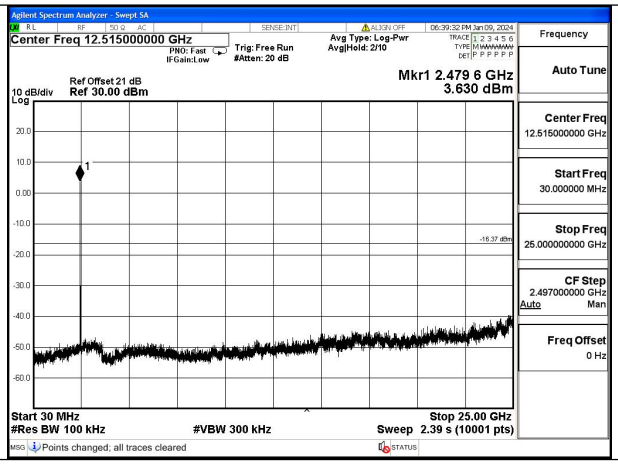
Test Mode: Coded 500K



CH0



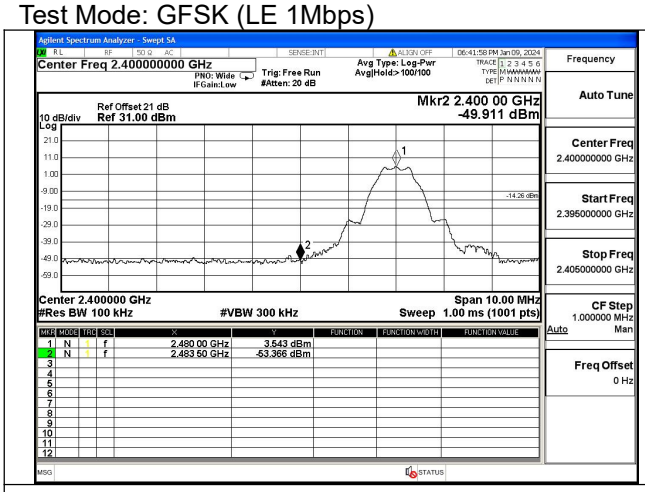
CH19



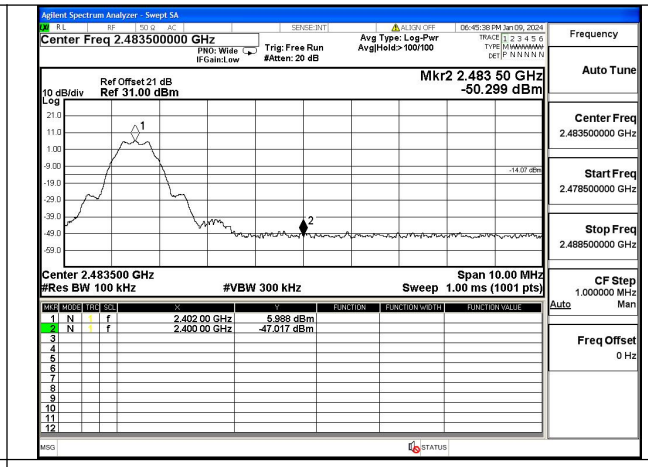
CH39

6 Band Edge measurement

Test Mode: GFSK (LE 1Mbps)

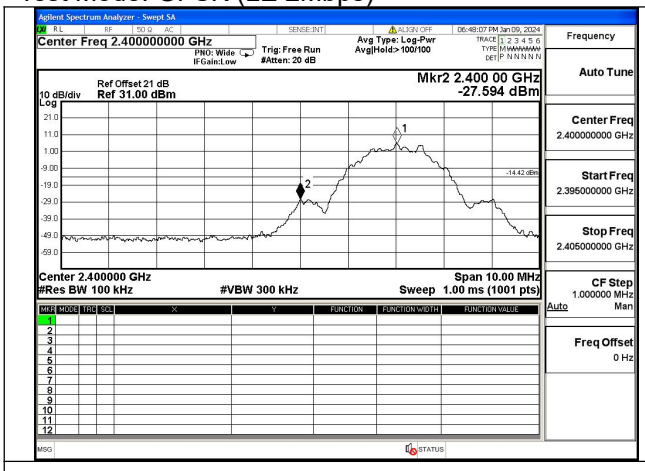


CH0

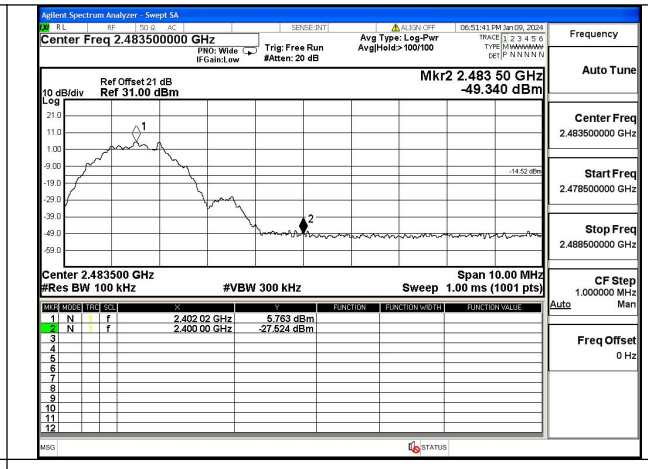


CH39

Test Mode: GFSK (LE 2Mbps)

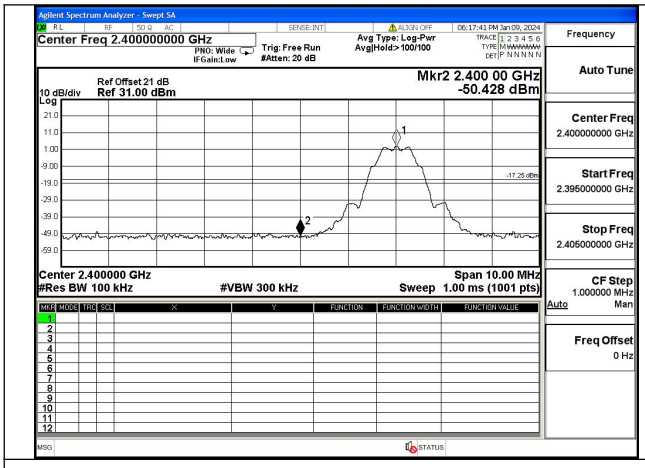


CH0

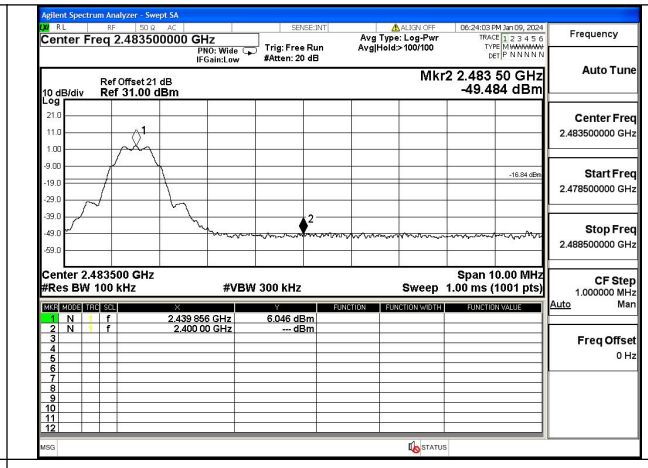


CH39

Test Mode: Coded 125K

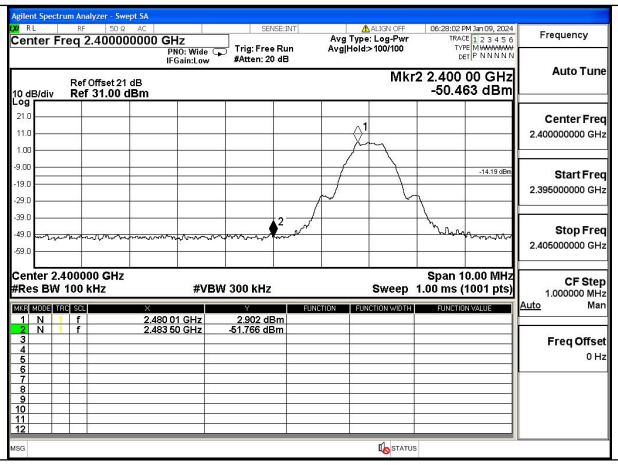


CH0

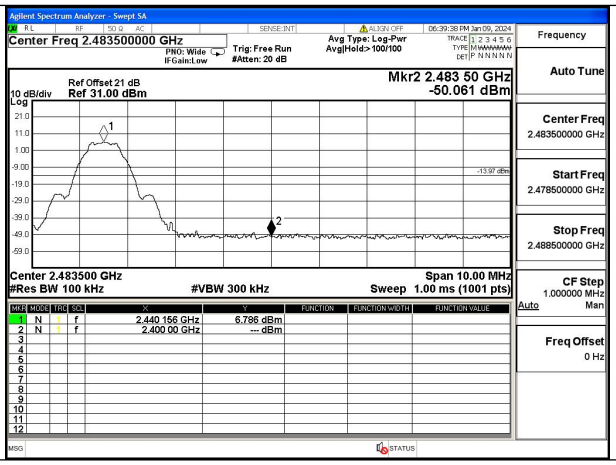


CH39

Test Mode: Coded 500K



CH0



CH39

BLE ANT8

1 Duty Cycle and Antenna Gain

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK (LE 1Mbps)	2402	Fig.1	65.30%	1.85	-1.40

Note: Correction Factor=10*log(1/Duty Cycle)

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK (LE 2Mbps)	2402	Fig.2	59.80%	2.23	-1.40

Note: Correction Factor=10*log(1/Duty Cycle)

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
Coded 125K	2402	Fig.3	97.70%	0.10	-1.40

Note: Correction Factor=10*log(1/Duty Cycle)

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
Coded 500K	2402	Fig.4	91.60%	0.38	-1.40

Note: Correction Factor=10*log(1/Duty Cycle)

Test Mode: GFSK (LE 1Mbps)

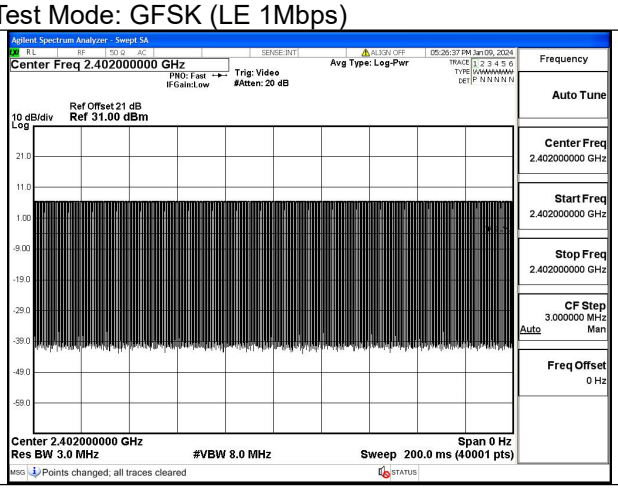


Fig.1

Test Mode: GFSK (LE 2Mbps)

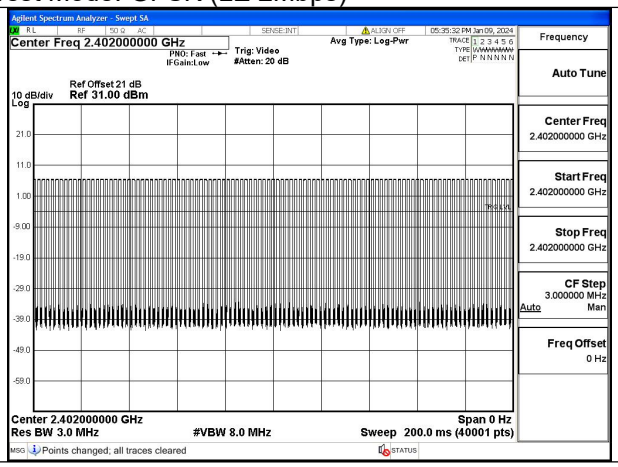


Fig.2

Test Mode: Coded 125K

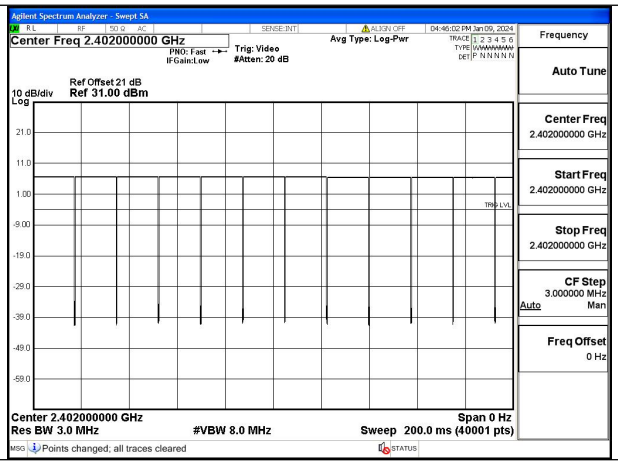


Fig.3

Test Mode: Coded 500K

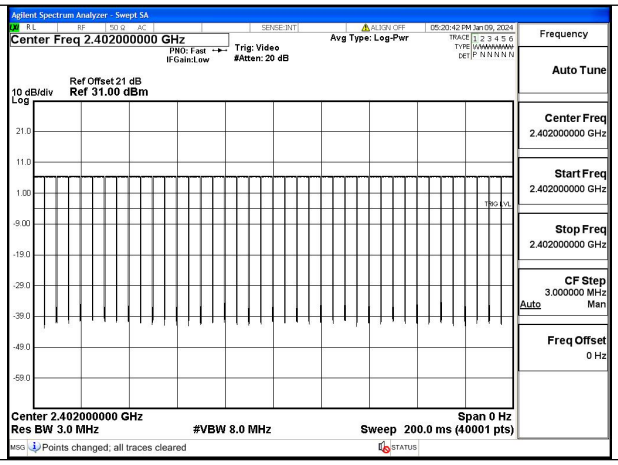


Fig.4

2 EIRP

Conducted Power

Modulation type	Conducted Peak Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	6.54	6.52	6.76
GFSK (LE 2Mbps)	6.94	6.48	6.81
Coded 125K	6.47	6.43	6.65
Coded 500K	6.70	6.66	6.68

Modulation type	Conducted Average Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	6.39	5.60	5.36
GFSK (LE 2Mbps)	5.90	5.63	5.76
Coded 125K	6.08	6.00	6.23
Coded 500K	5.86	6.37	5.68

EIRP

Modulation type	Peak EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	5.14	5.12	5.36
GFSK (LE 2Mbps)	5.54	5.08	5.41
Coded 125K	5.07	5.03	5.25
Coded 500K	5.30	5.26	5.28

Modulation type	Average EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	4.99	4.20	3.96
GFSK (LE 2Mbps)	4.50	4.23	4.36
Coded 125K	4.68	4.60	4.83
Coded 500K	4.46	4.97	4.28

EIRP (dBm)=Conducted Power(dBm)+Antenna Gain(dBi)

3 Occupied Bandwidth

6dB Bandwidth

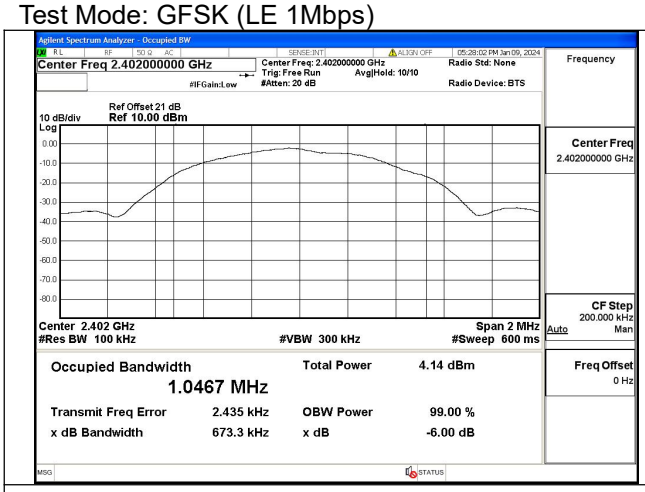
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 1Mbps)	2402	673.3
GFSK (LE 1Mbps)	2440	682.9
GFSK (LE 1Mbps)	2480	681.7

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 2Mbps)	2402	1370.6
GFSK (LE 2Mbps)	2440	1314.4
GFSK (LE 2Mbps)	2480	1370.0

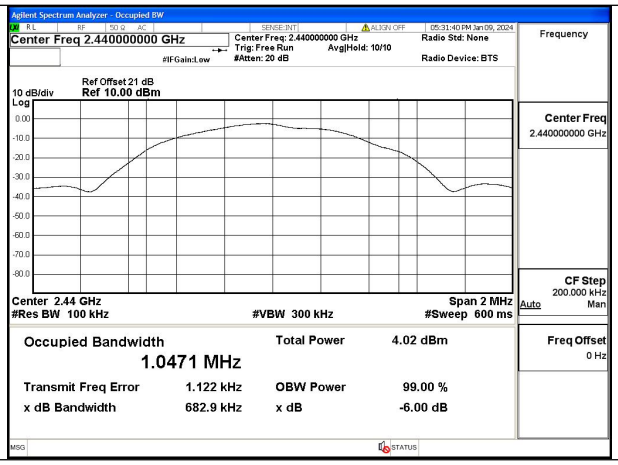
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 125K	2402	650.7
Coded 125K	2440	645.0
Coded 125K	2480	649.1

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 500K	2402	707.4
Coded 500K	2440	705.2
Coded 500K	2480	706.6

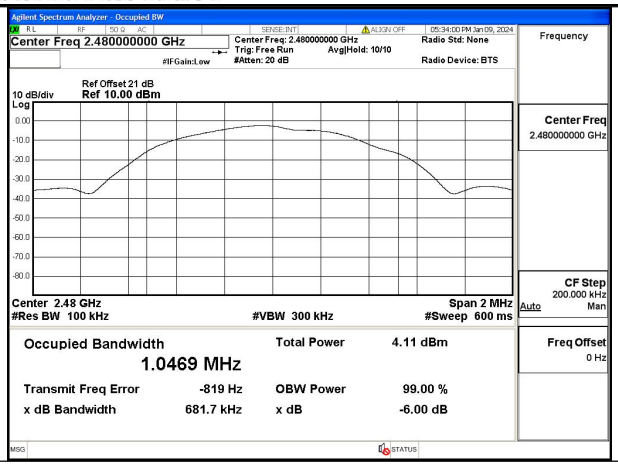
Test Mode: GFSK (LE 1Mbps)



Test Mode:GFSK (LE 1Mbps) 2402MHz

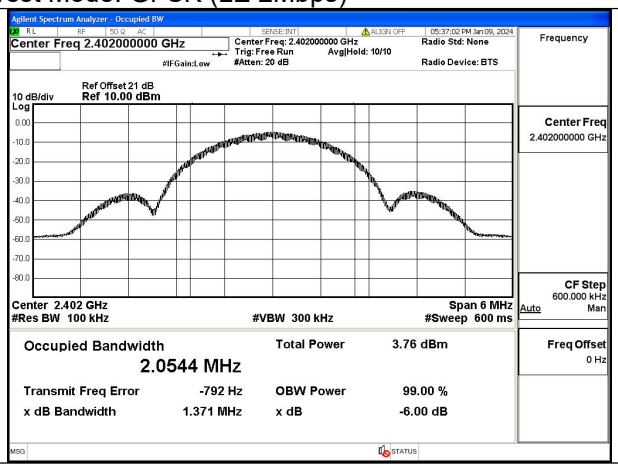


Test Mode:GFSK (LE 1Mbps) 2440MHz

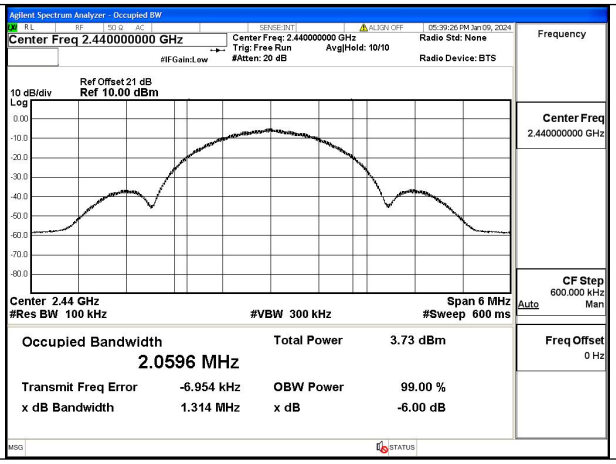


Test Mode:GFSK (LE 1Mbps) 2480MHz

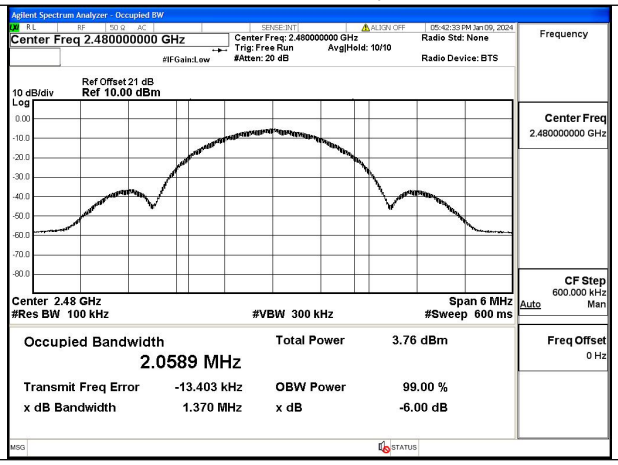
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz

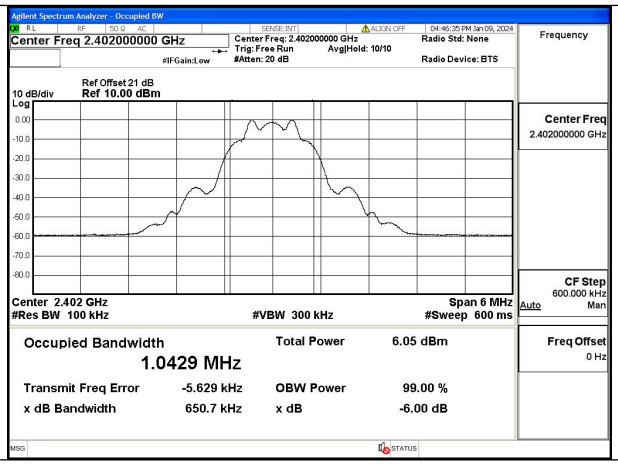


Test Mode:GFSK (LE 2Mbps) 2440MHz

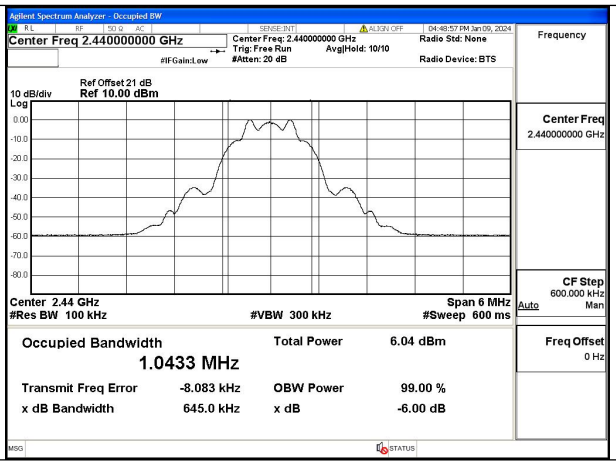


Test Mode:GFSK (LE 2Mbps) 2480MHz

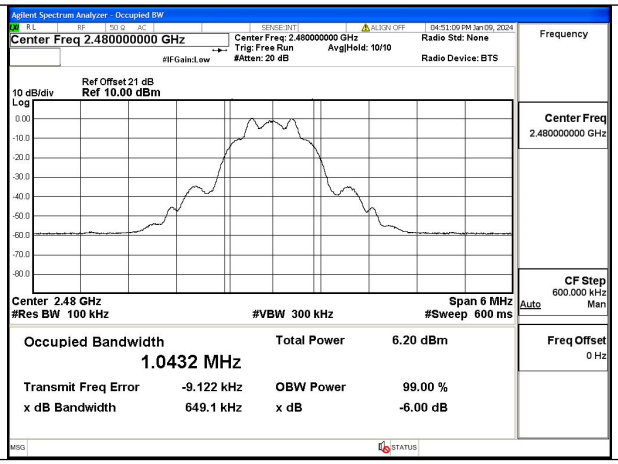
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



Test Mode:Coded 125K 2480MHz