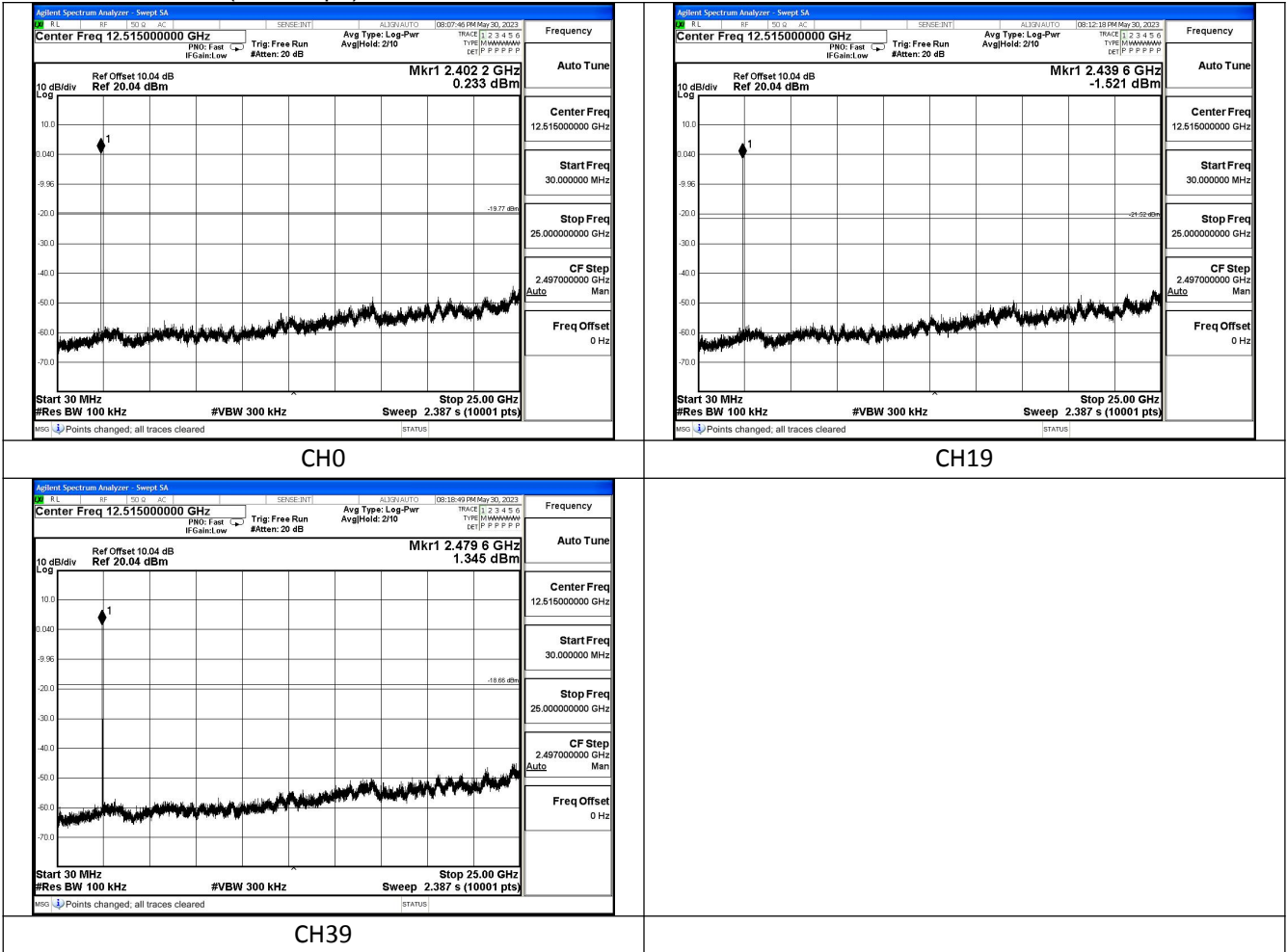
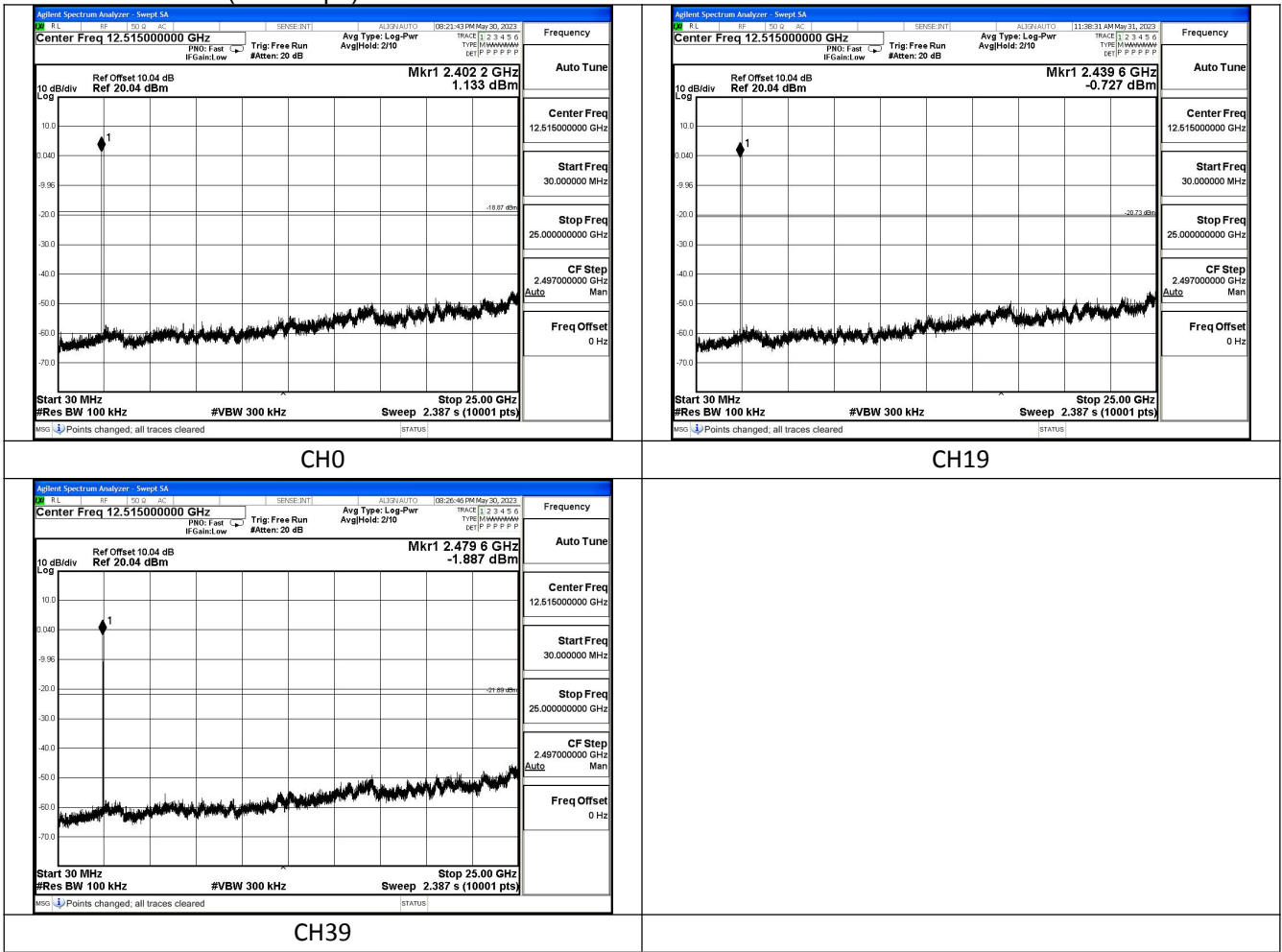


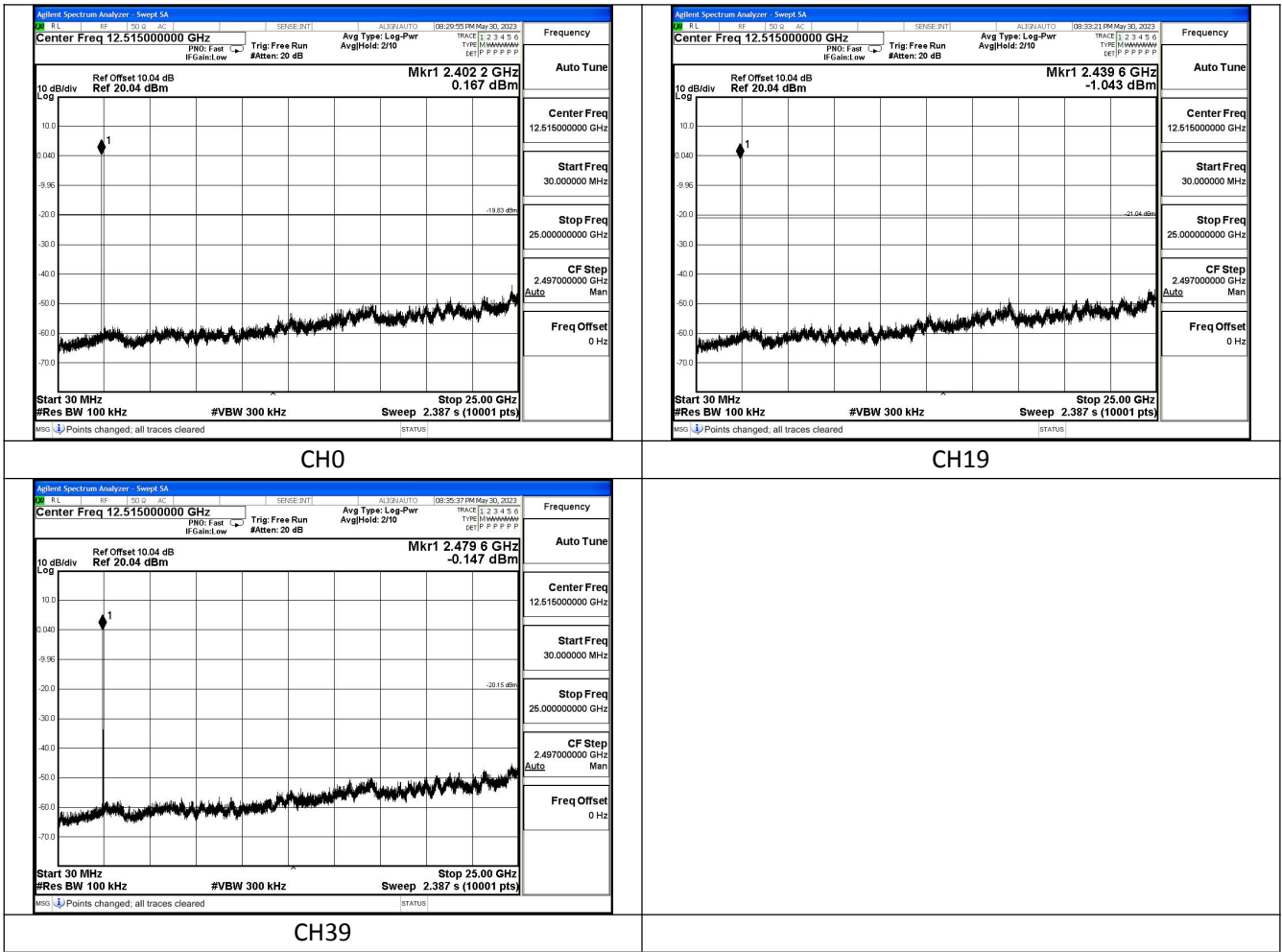
**5 Conducted Out of band emission measurement**  
Test Mode: GFSK (LE 1Mbps)



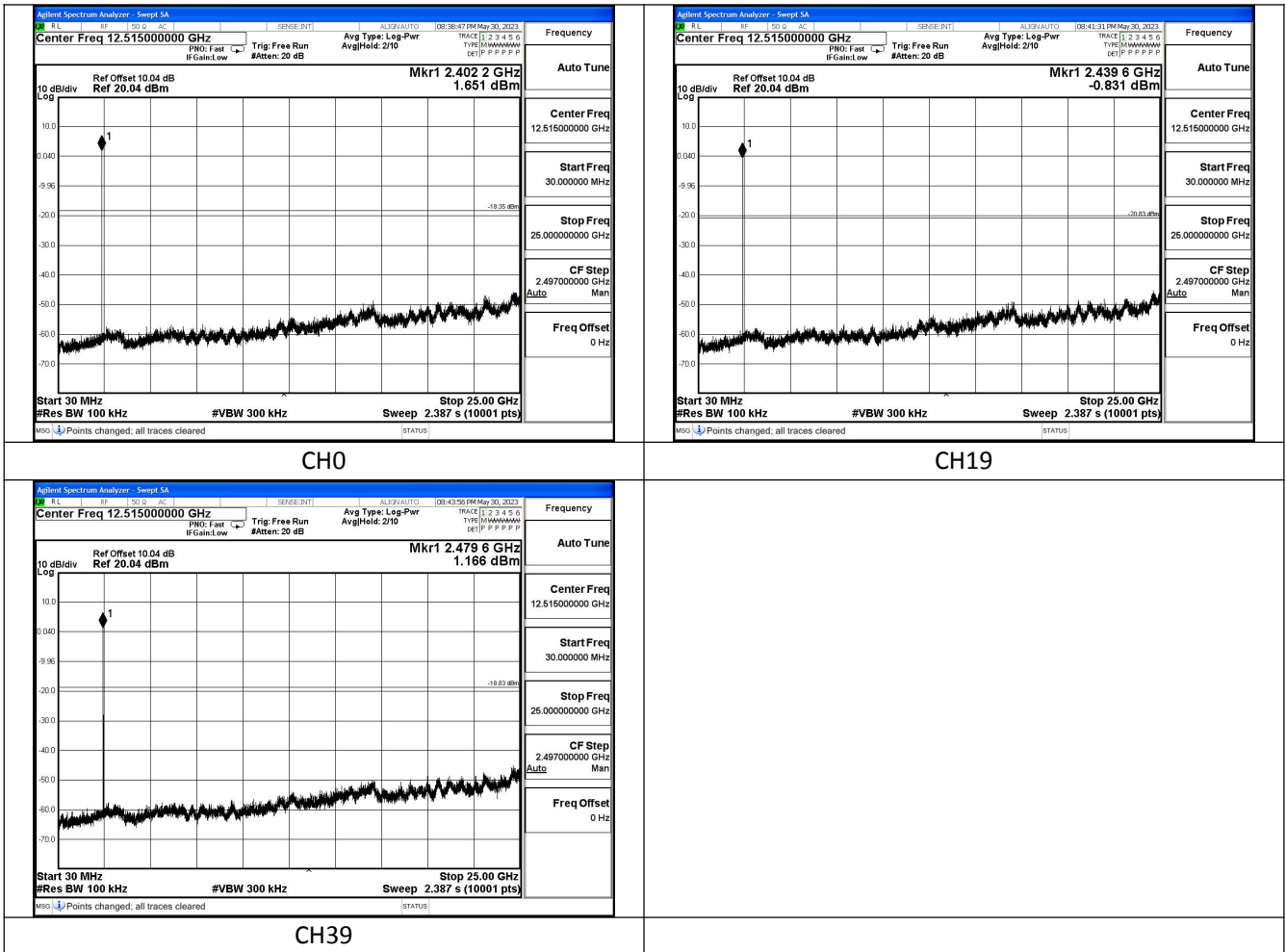
Test Mode: GFSK (LE 2Mbps)



Test Mode: Coded 125K



Test Mode: Coded 500K

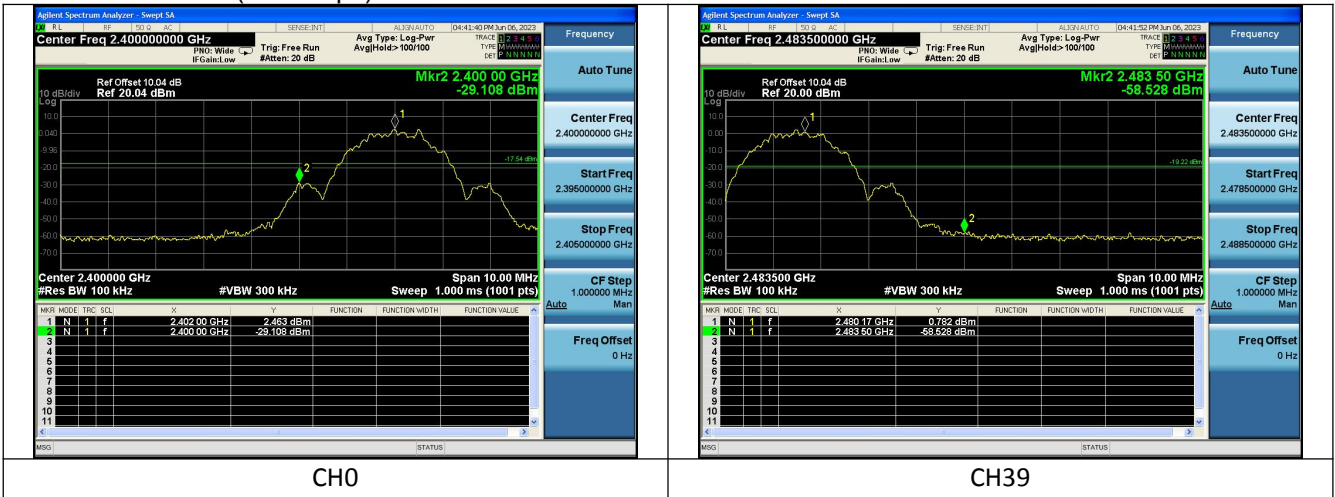


## 6 Band Edge measurement

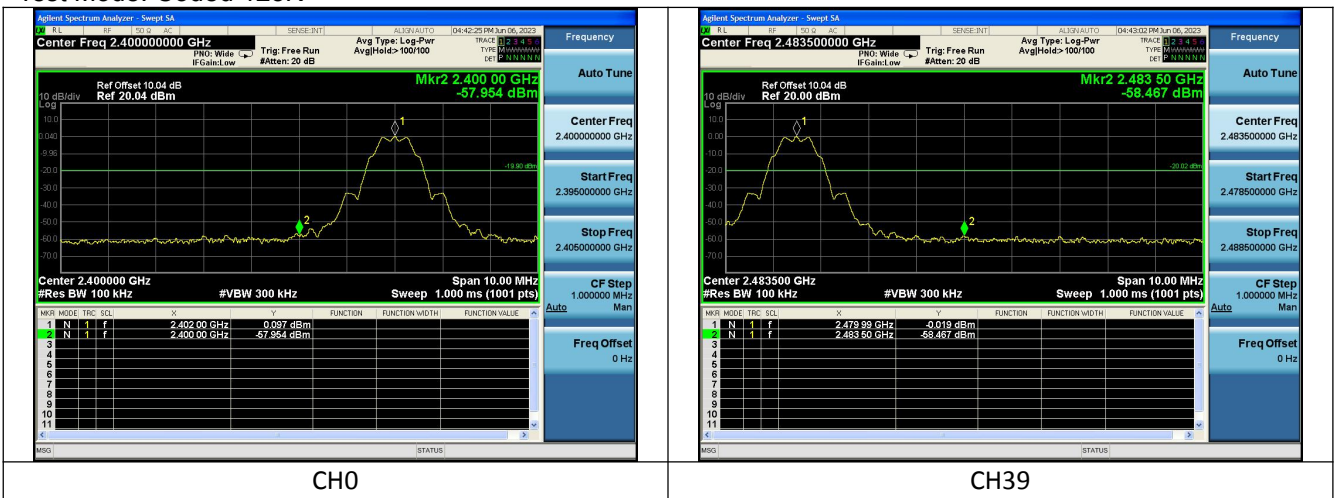
Test Mode: GFSK (LE 1Mbps)



## Test Mode: GFSK (LE 2Mbps)



## Test Mode: Coded 125K



Test Mode: Coded 500K



**BLE(ANT1)**

**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	86.10%	0.65	1.06

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	59.20%	2.28	1.06

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	97.60%	0.11	1.06

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	91.40%	0.39	1.06

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

Test Mode: GFSK (LE 1Mbps)

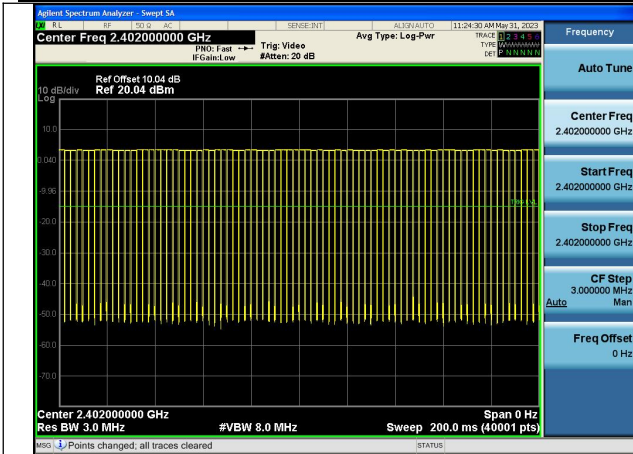
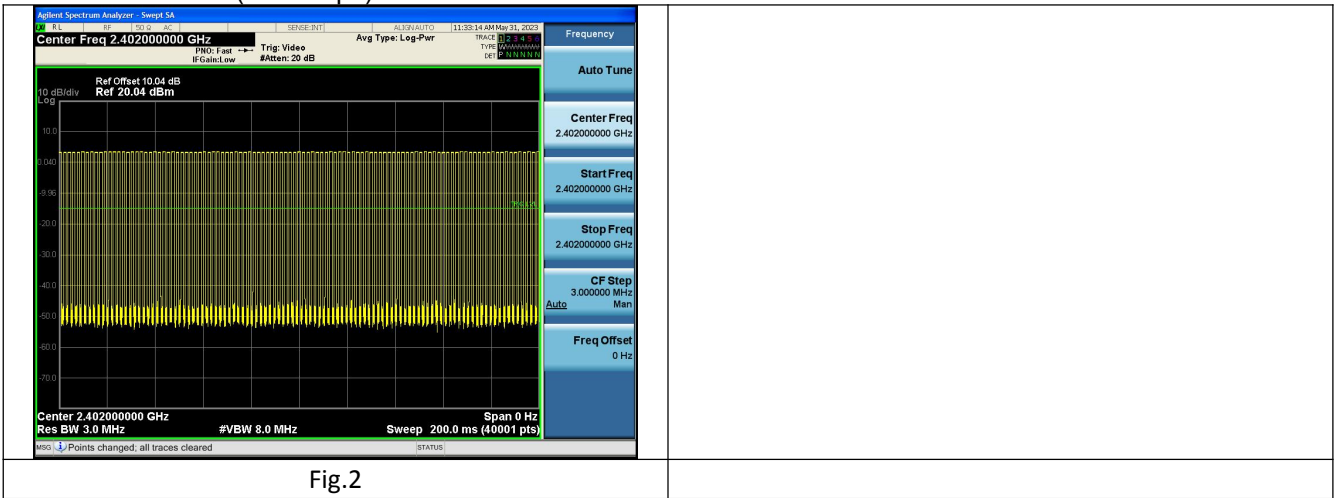
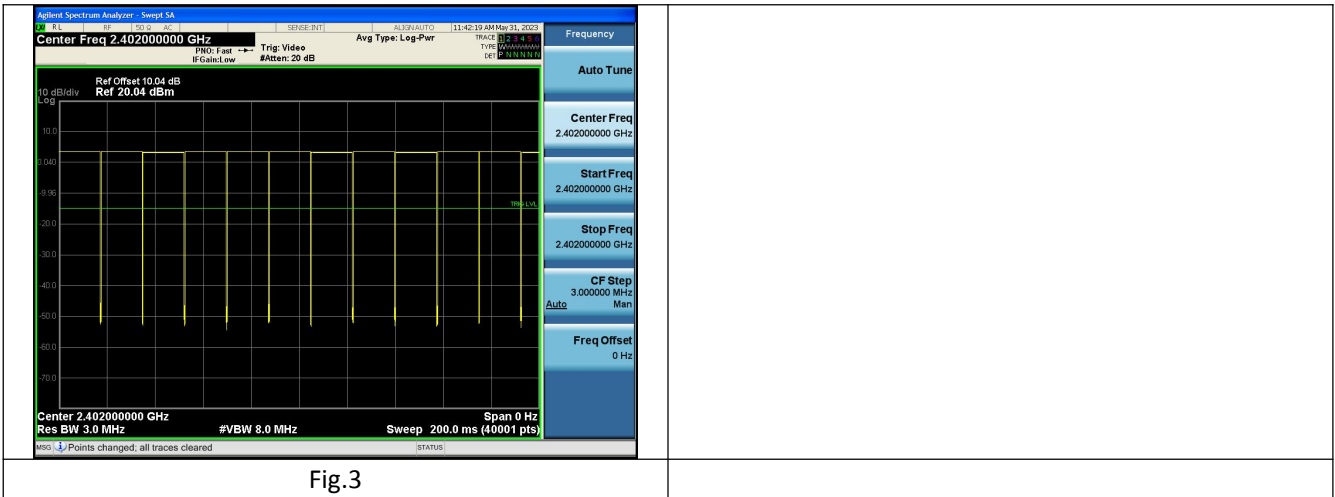


Fig.1

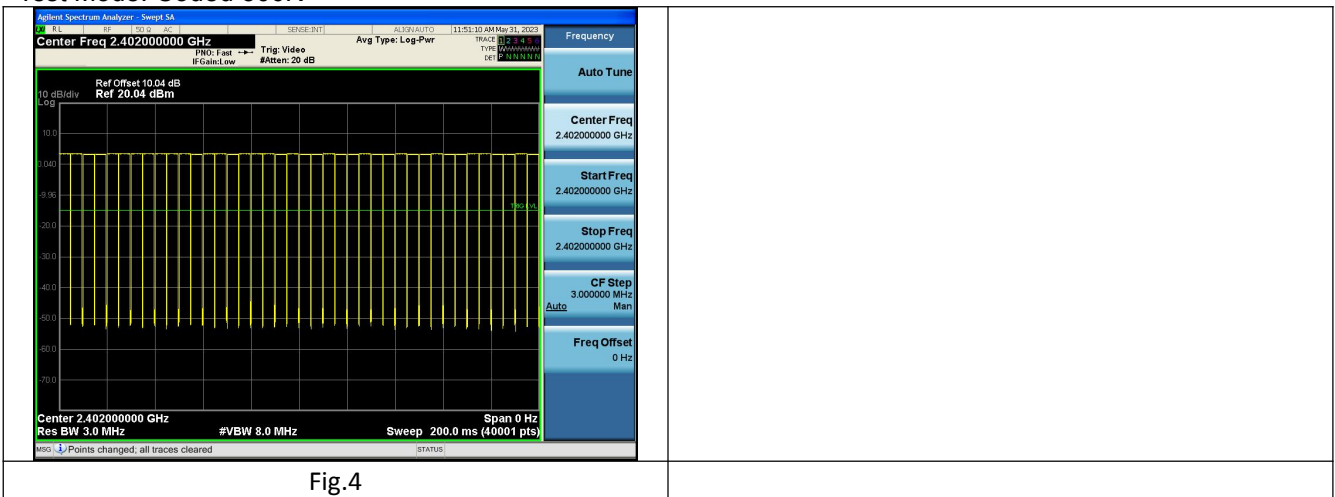
Test Mode: GFSK (LE 2Mbps)



Test Mode: Coded 125K



Test Mode: Coded 500K





**2 EIRP  
Conducted Power**

Modulation type	Conducted Peak Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	3.51	2.87	3.64
GFSK (LE 2Mbps)	3.55	2.77	3.54
Coded 125K	3.53	2.84	3.55
Coded 500K	3.60	2.93	3.59

Modulation type	Conducted Average Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	2.87	2.02	3.19
GFSK (LE 2Mbps)	3.07	2.06	2.56
Coded 125K	3.29	2.43	3.13
Coded 500K	3.20	2.66	3.34

**EIRP**

Modulation type	Peak EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	4.57	3.93	4.70
GFSK (LE 2Mbps)	4.61	3.83	4.60
Coded 125K	4.59	3.90	4.61
Coded 500K	4.66	3.99	4.65

Modulation type	Average EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	3.93	3.08	4.25
GFSK (LE 2Mbps)	4.13	3.12	3.62
Coded 125K	4.35	3.49	4.19
Coded 500K	4.26	3.72	4.40

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

### 3 Occupied Bandwidth 6dB Bandwidth

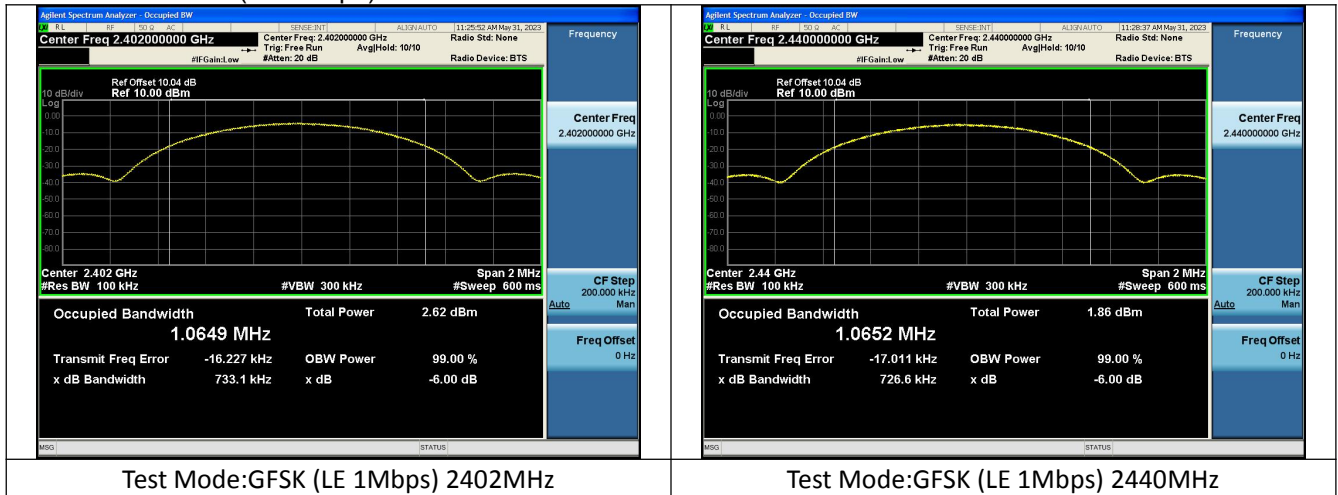
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 1Mbps)	2402	733.1
GFSK (LE 1Mbps)	2440	726.6
GFSK (LE 1Mbps)	2480	727.2

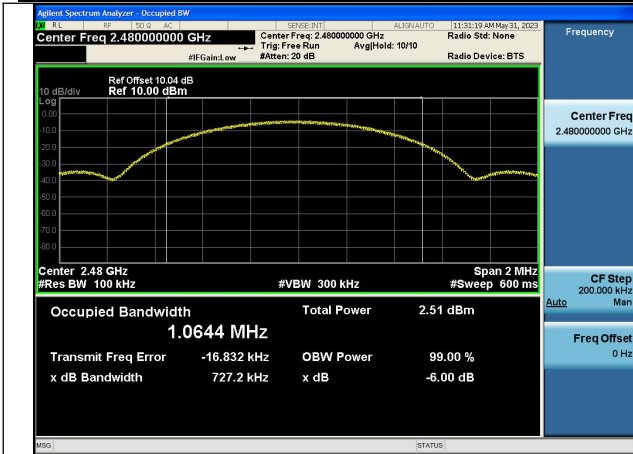
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 2Mbps)	2402	1410.4
GFSK (LE 2Mbps)	2440	1374.7
GFSK (LE 2Mbps)	2480	1408.0

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 125K	2402	646.7
Coded 125K	2440	647.8
Coded 125K	2480	647.5

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 500K	2402	727.3
Coded 500K	2440	720.5
Coded 500K	2480	732.7

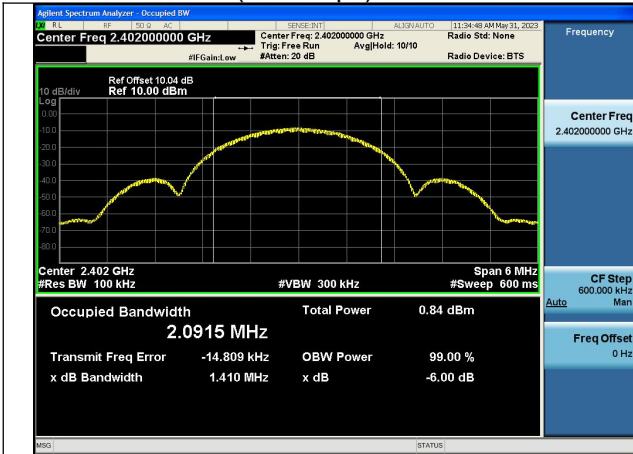
#### Test Mode: GFSK (LE 1Mbps)





Test Mode:GFSK (LE 1Mbps) 2480MHz

Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz

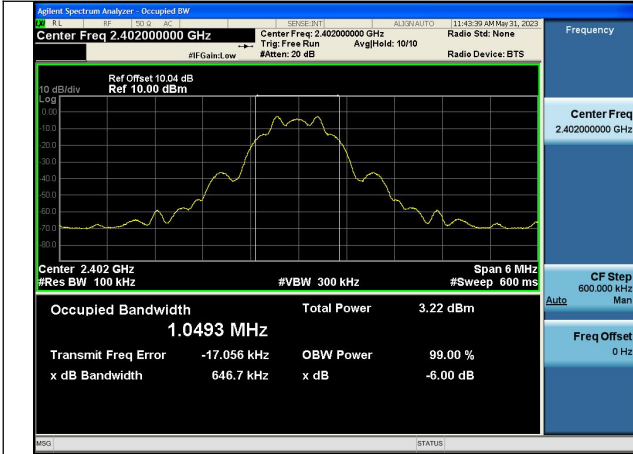


Test Mode:GFSK (LE 2Mbps) 2440MHz

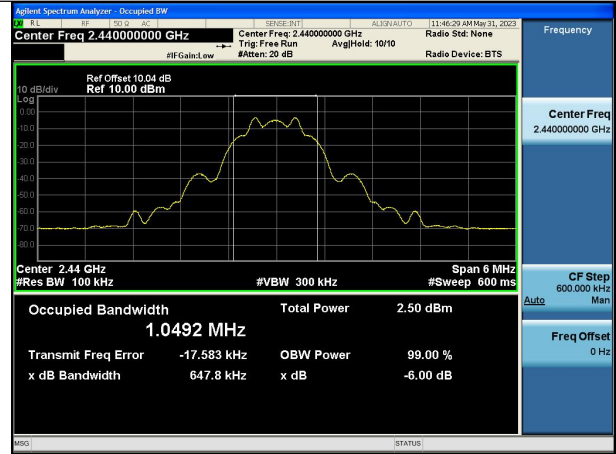


Test Mode:GFSK (LE 2Mbps) 2480MHz

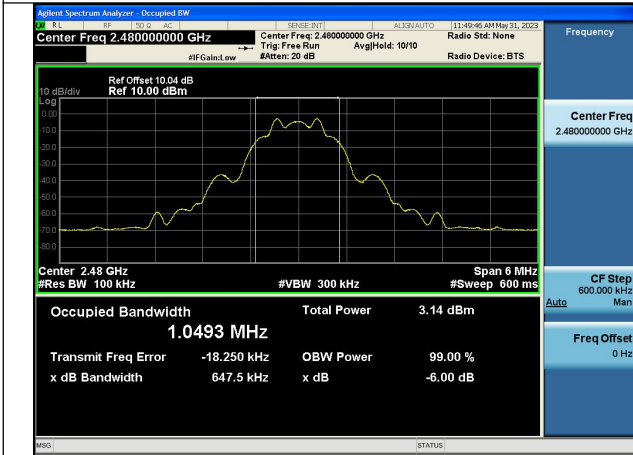
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz

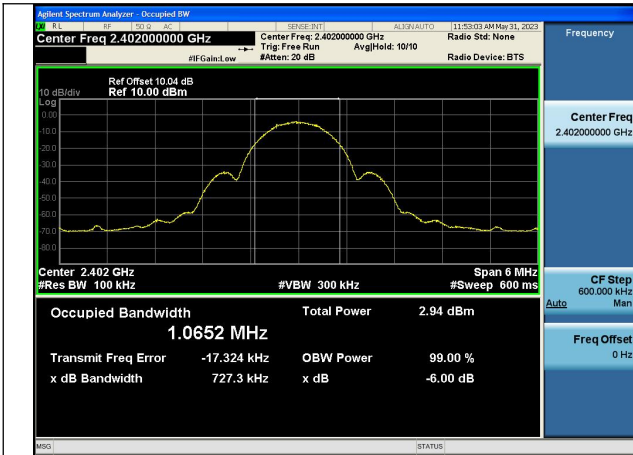


Test Mode:Coded 125K 2440MHz

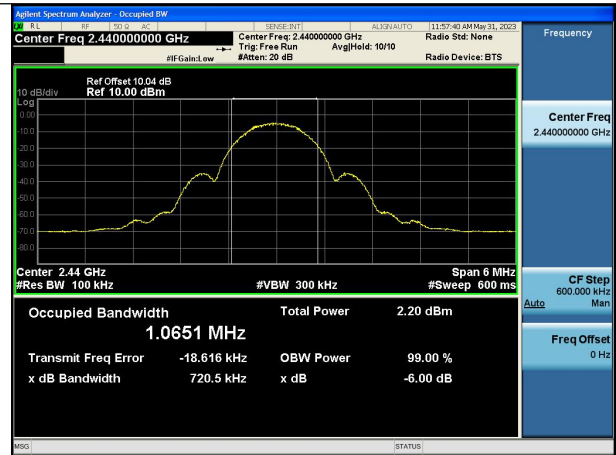


Test Mode:Coded 125K 2480MHz

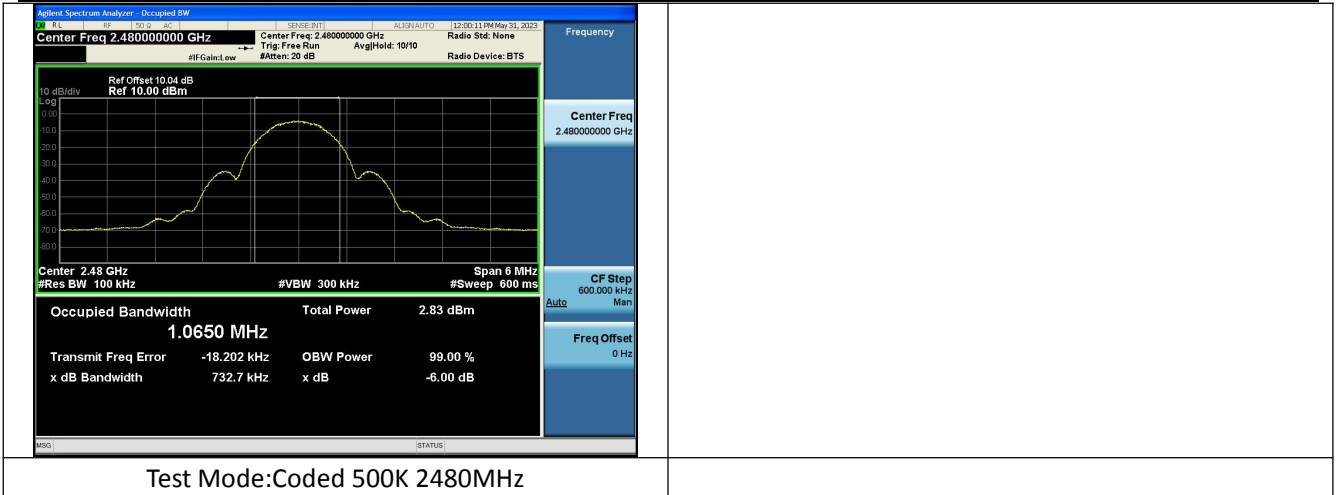
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



Test Mode:Coded 500K 2440MHz



**99% Bandwidth**

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 1Mbps)	2402	1043.0
GFSK (LE 1Mbps)	2440	1042.6
GFSK (LE 1Mbps)	2480	1042.2

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 2Mbps)	2402	2079.6
GFSK (LE 2Mbps)	2440	2078.9
GFSK (LE 2Mbps)	2480	2076.3

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 125K	2402	1028.5
Coded 125K	2440	1027.0
Coded 125K	2480	1029.4

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 500K	2402	1042.0
Coded 500K	2440	1042.1
Coded 500K	2480	1040.8

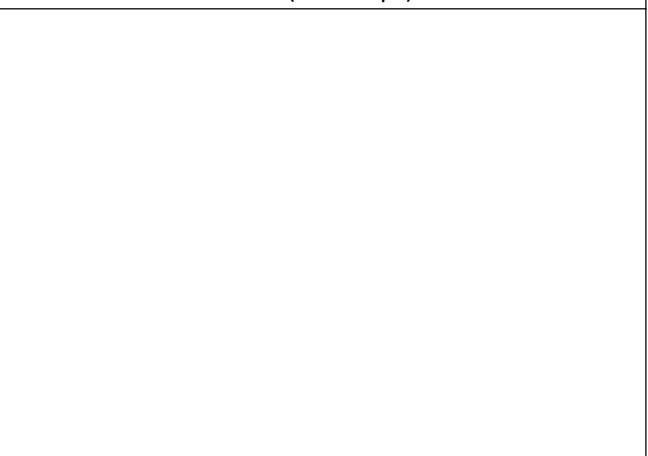
**Test Mode: GFSK (LE 1Mbps)**



**Test Mode:GFSK (LE 1Mbps) 2402MHz**



**Test Mode:GFSK (LE 1Mbps) 2440MHz**



Test Mode:GFSK (LE 1Mbps) 2480MHz	
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