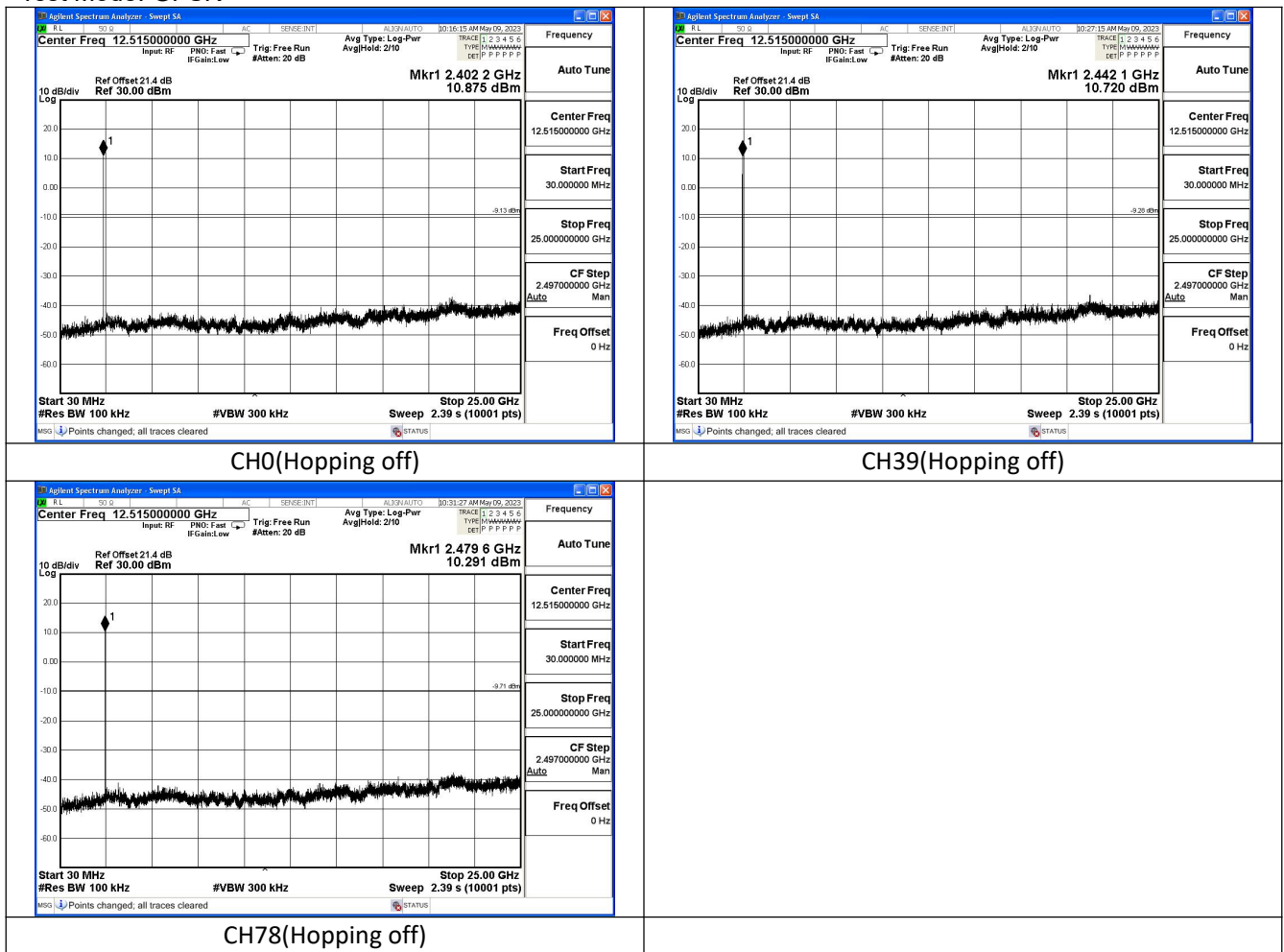


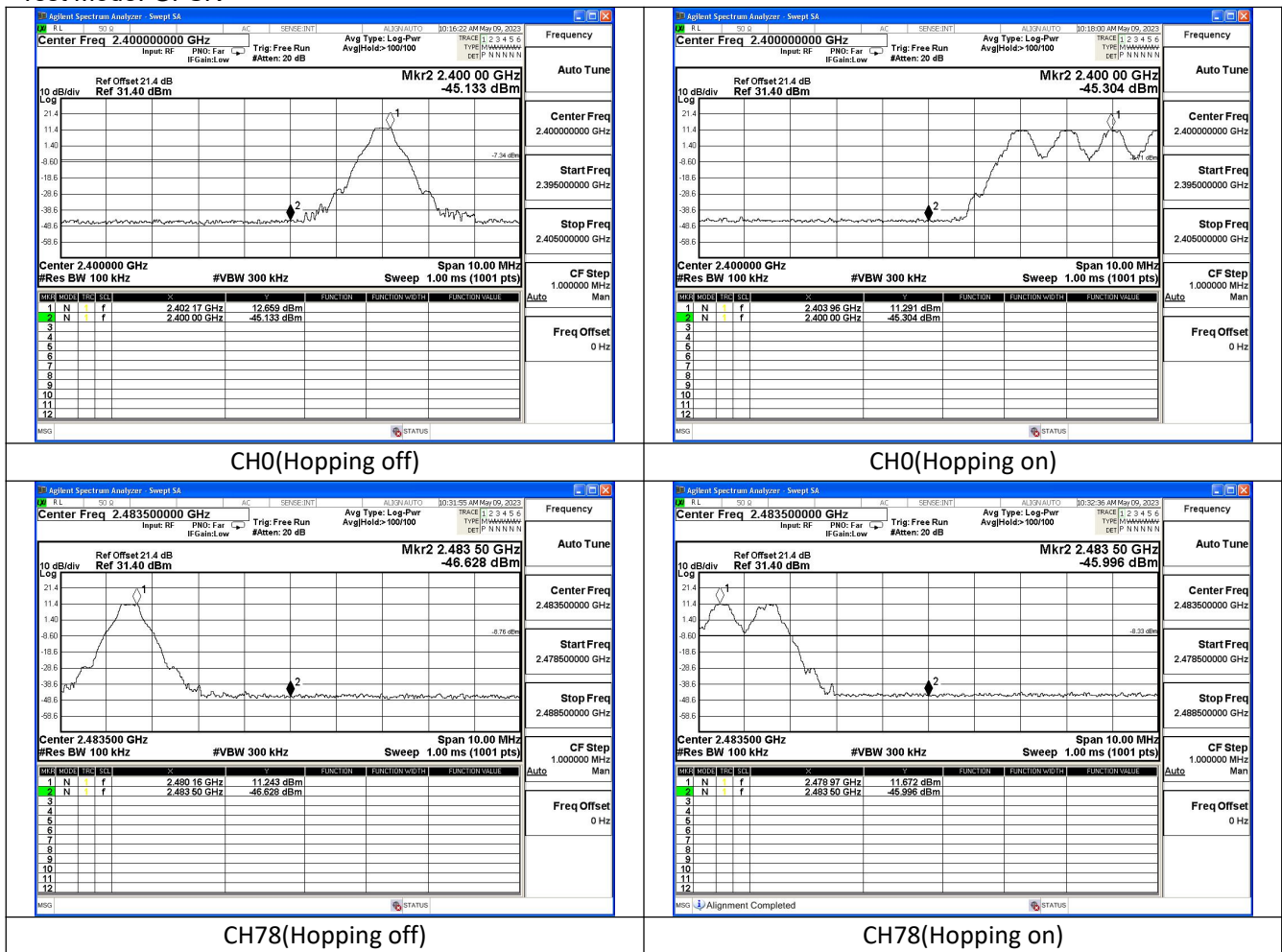
6 Conducted Out of band emission measurement

Test Mode: GFSK



7 Band Edge measurement

Test Mode: GFSK



BT (ANT7)

1 Duty Cycle and Antenna Gain

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK(DH5)	2402	Fig.1	98.20%	0.08	-3.90

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

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
$\pi/4$ DQPSK(2D H5)	2402	Fig.2	98.20%	0.08	-3.90

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

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
8DPSK(3DH5)	2402	Fig.3	98.00%	0.09	-3.90

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

Test Mode: GFSK(DH5)

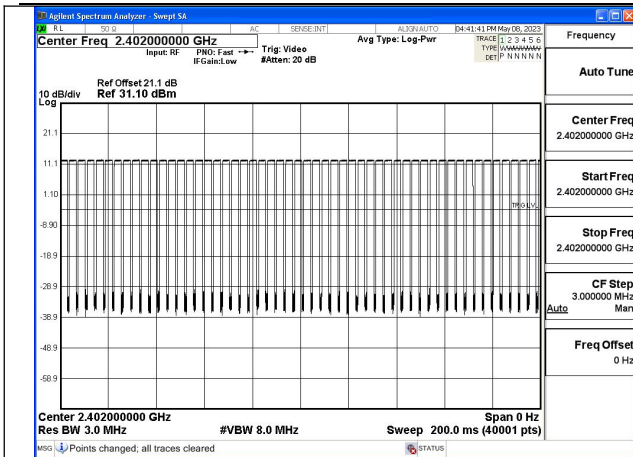


Fig.1

Test Mode: $\pi/4$ DQPSK(2DH5)

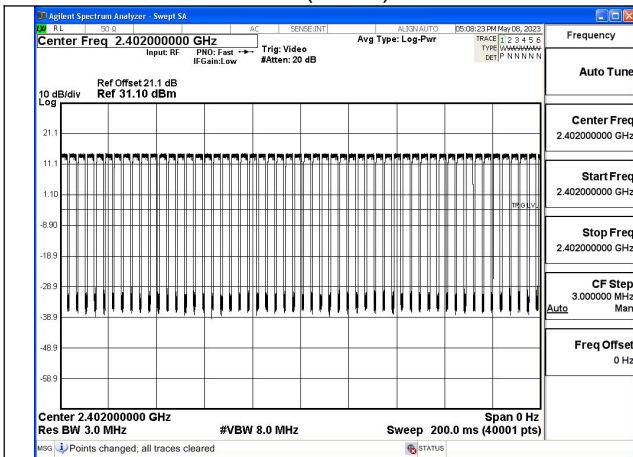


Fig.2

Test Mode: 8DPSK(3DH5)

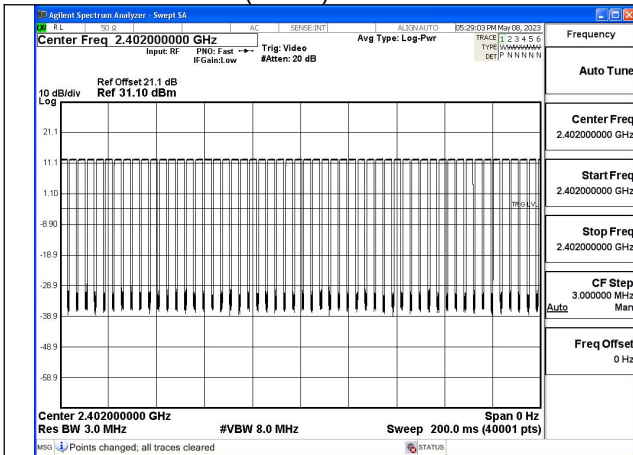


Fig.3

2 EIRP

Conducted Power

Modulation type	Conducted Peak Power(dBm)		
	2402MHz	2441MHz	2480MHz
GFSK(DH5)	13.05	14.30	13.57
$\pi/4$ DQPSK(2DH5)	16.87	16.61	16.03
8DPSK(3DH5)	17.62	17.05	16.40

Modulation type	Conducted Average Power(dBm)		
	2402MHz	2441MHz	2480MHz
GFSK(DH5)	12.37	12.70	12.08
$\pi/4$ DQPSK(2DH5)	13.02	12.65	12.06
8DPSK(3DH5)	13.08	12.56	12.01

EIRP

Modulation type	Peak EIRP (dBm)		
	2402MHz	2441MHz	2480MHz
GFSK(DH5)	9.15	10.40	9.67
$\pi/4$ DQPSK(2DH5)	12.97	12.71	12.13
8DPSK(3DH5)	13.72	13.15	12.50

Modulation type	Average EIRP (dBm)		
	2402MHz	2441MHz	2480MHz
GFSK(DH5)	8.47	8.80	8.18
$\pi/4$ DQPSK(2DH5)	9.12	8.75	8.16
8DPSK(3DH5)	9.18	8.66	8.11

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

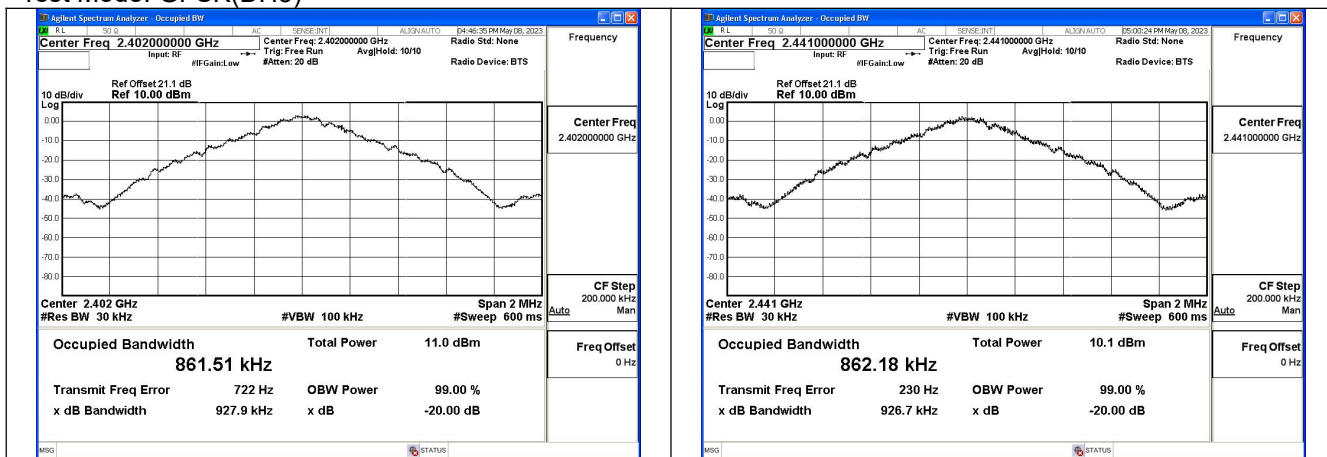
3 Occupied Bandwidth
20dB Bandwidth

Test Mode	Carrier frequency (MHz)	20dB Bandwidth(KHz)
GFSK(DH5)	2402	927.9
GFSK(DH5)	2441	926.7
GFSK(DH5)	2480	938.9

Test Mode	Carrier frequency (MHz)	20dB Bandwidth(KHz)
$\pi/4$ DQPSK(2DH5)	2402	1340.8
$\pi/4$ DQPSK(2DH5)	2441	1346.6
$\pi/4$ DQPSK(2DH5)	2480	1341.8

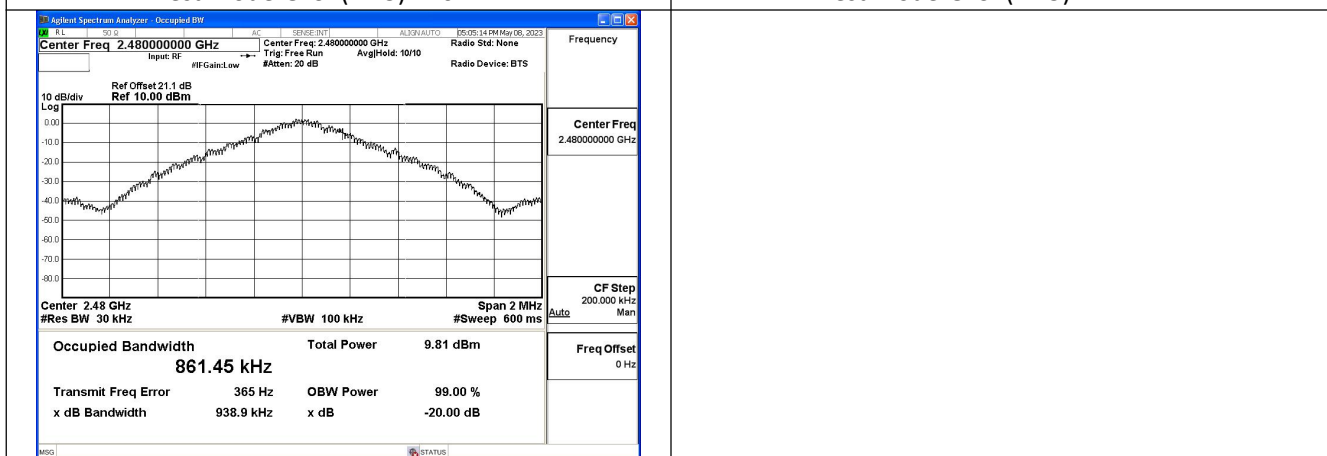
Test Mode	Carrier frequency (MHz)	20dB Bandwidth(KHz)
8DPSK(3DH5)	2402	1345.2
8DPSK(3DH5)	2441	1354.9
8DPSK(3DH5)	2480	1346.8

Test Mode: GFSK(DH5)



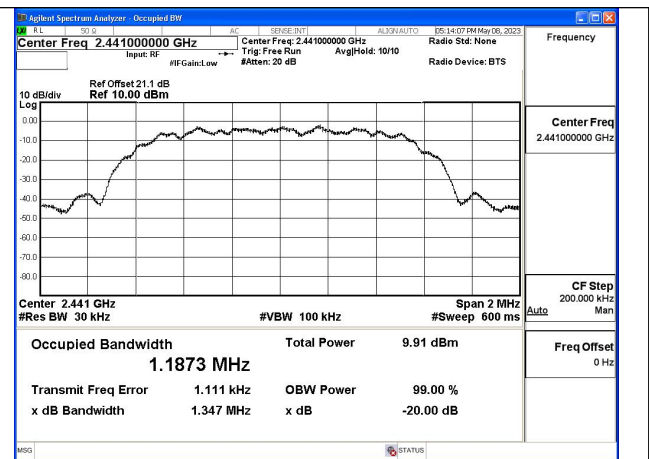
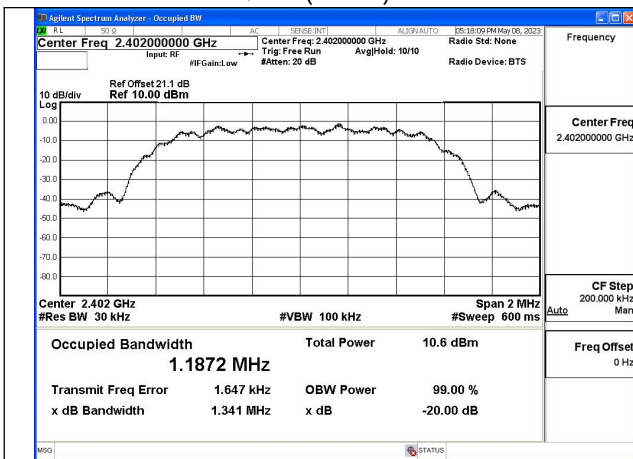
Test Mode:GFSK(DH5) 2402MHz

Test Mode:GFSK(DH5) 2441MHz



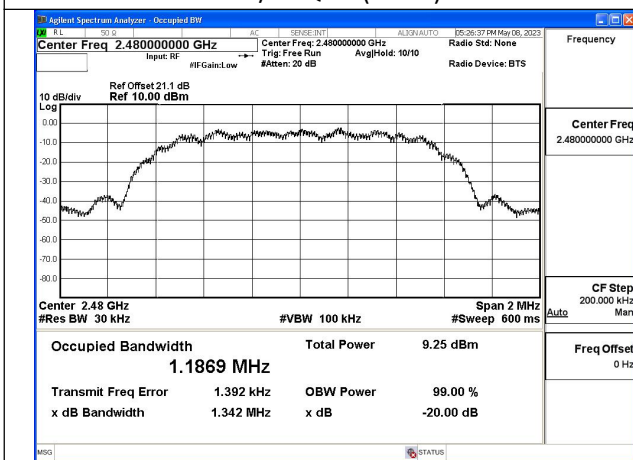
Test Mode:GFSK(DH5) 2480MHz

Test Mode: $\pi/4$ DQPSK(2DH5)



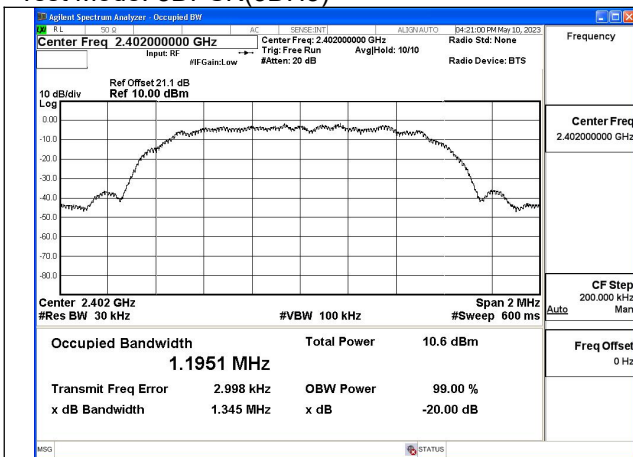
Test Mode: $\pi/4$ DQPSK(2DH5) 2402MHz

Test Mode: $\pi/4$ DQPSK(2DH5) 2441MHz

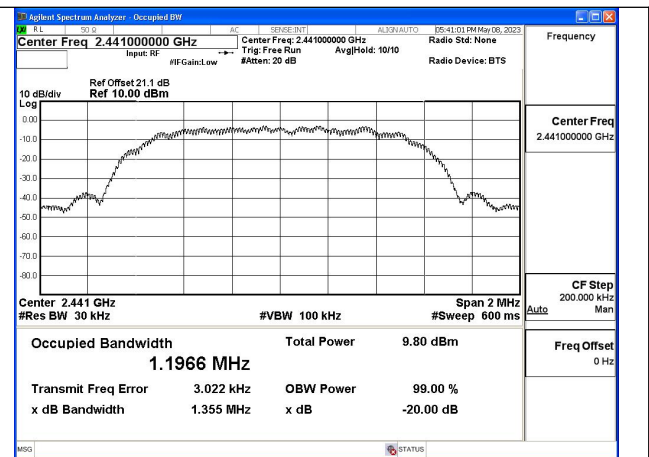


Test Mode: $\pi/4$ DQPSK(2DH5) 2480MHz

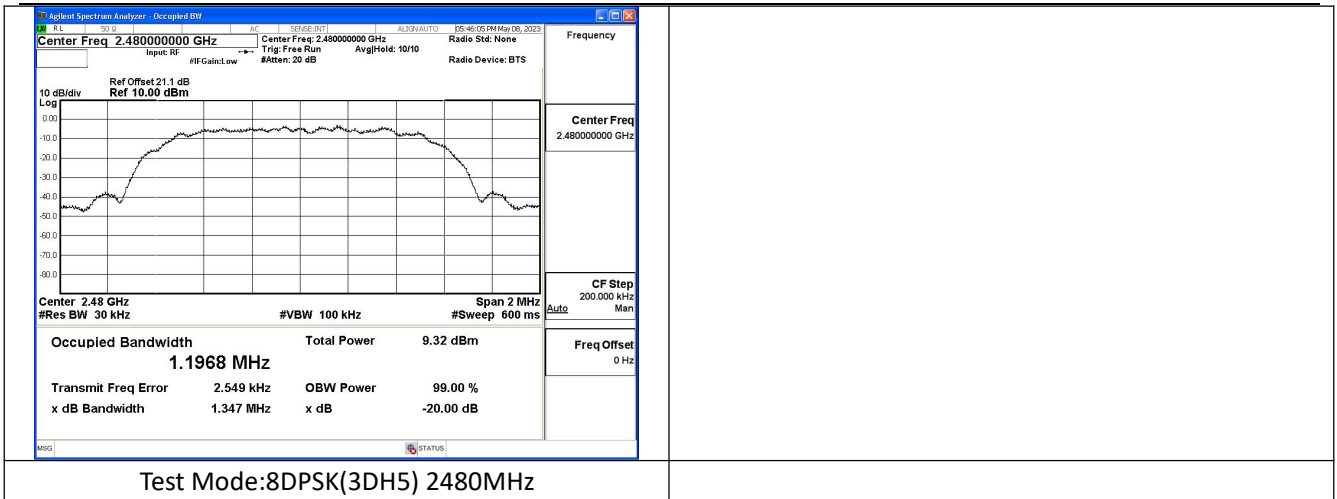
Test Mode: 8DPSK(3DH5)



Test Mode:8DPSK(3DH5) 2402MHz



Test Mode:8DPSK(3DH5) 2441MHz



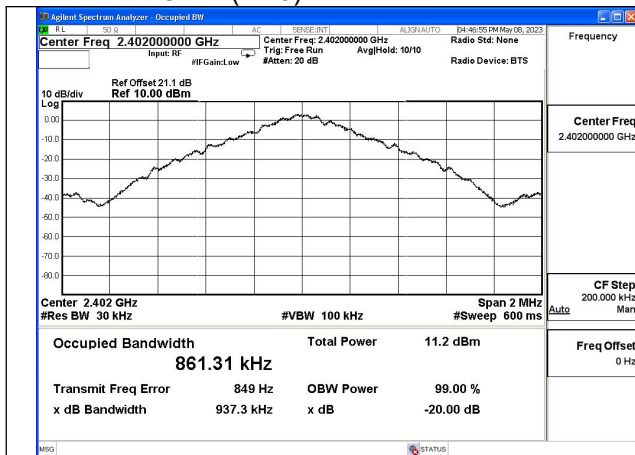
99% Bandwidth

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK(DH5)	2402	861.3
GFSK(DH5)	2441	862.4
GFSK(DH5)	2480	863.2

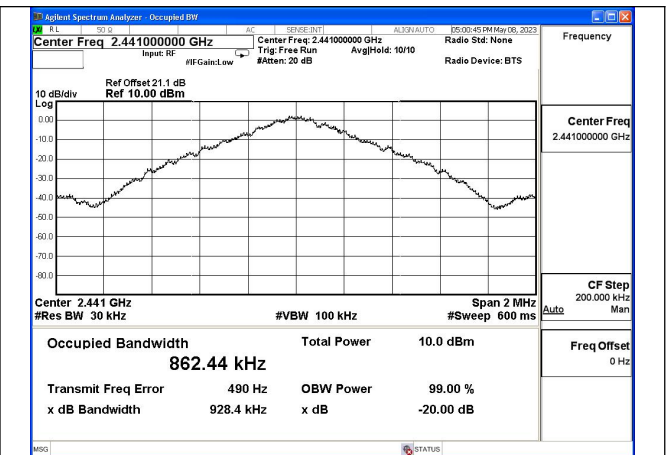
Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
$\pi/4$ DQPSK(2DH5)	2402	1187.2
$\pi/4$ DQPSK(2DH5)	2441	1187.4
$\pi/4$ DQPSK(2DH5)	2480	1186.8

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
8DPSK(3DH5)	2402	1196.8
8DPSK(3DH5)	2441	1197.3
8DPSK(3DH5)	2480	1196.4

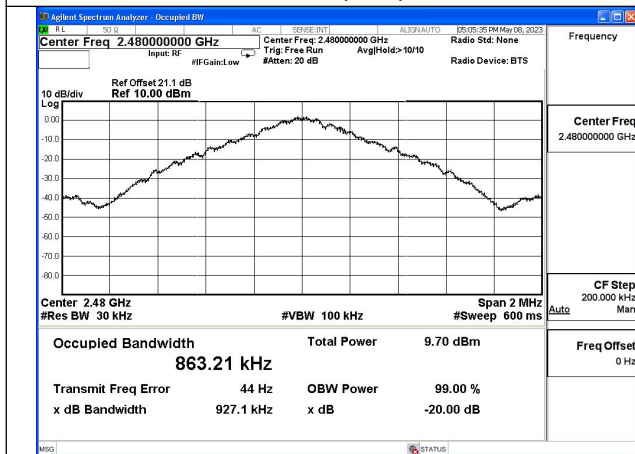
Test Mode: GFSK(DH5)



Test Mode:GFSK(DH5) 2402MHz

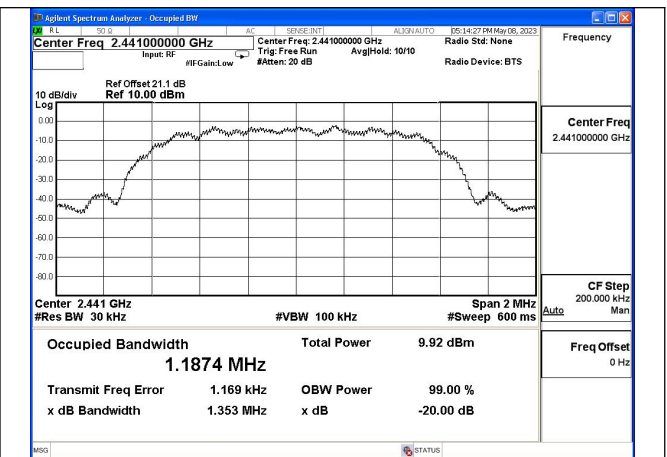
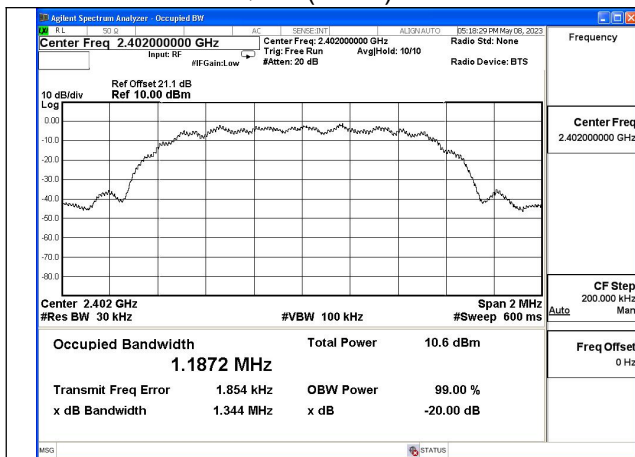


Test Mode:GFSK(DH5) 2441MHz



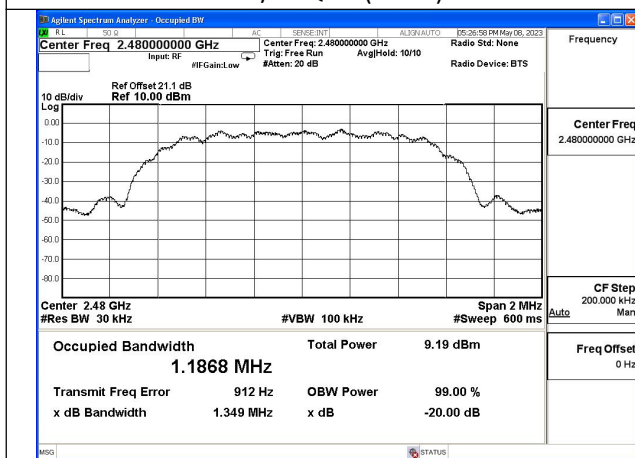
Test Mode:GFSK(DH5) 2480MHz

Test Mode: $\pi/4$ DQPSK(2DH5)



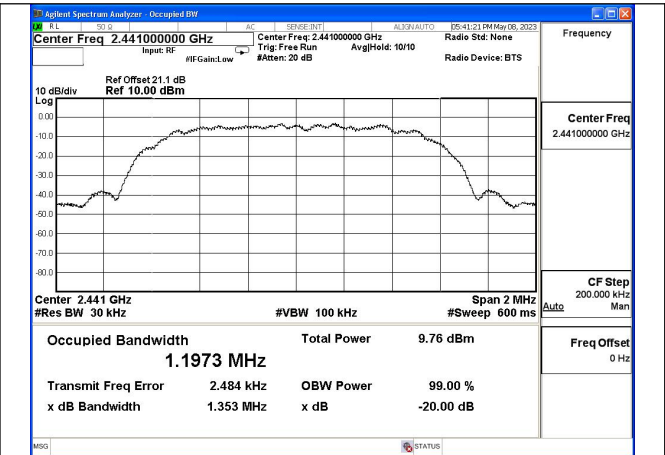
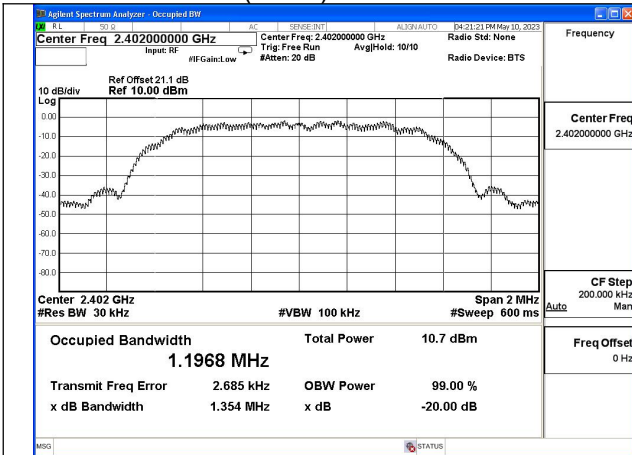
Test Mode: $\pi/4$ DQPSK(2DH5) 2402MHz

Test Mode: $\pi/4$ DQPSK(2DH5) 2441MHz



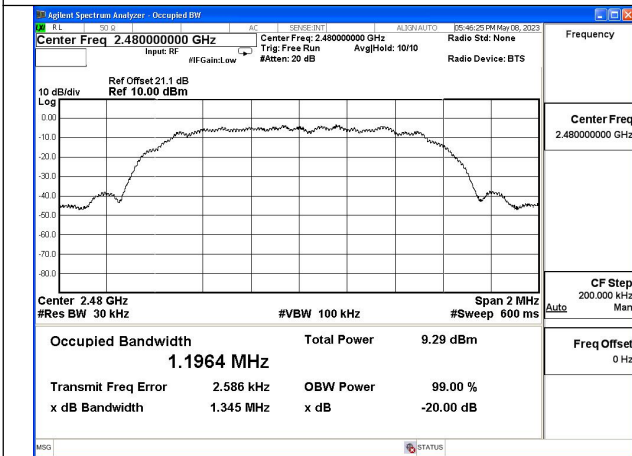
Test Mode: $\pi/4$ DQPSK(2DH5) 2480MHz

Test Mode: 8DPSK(3DH5)



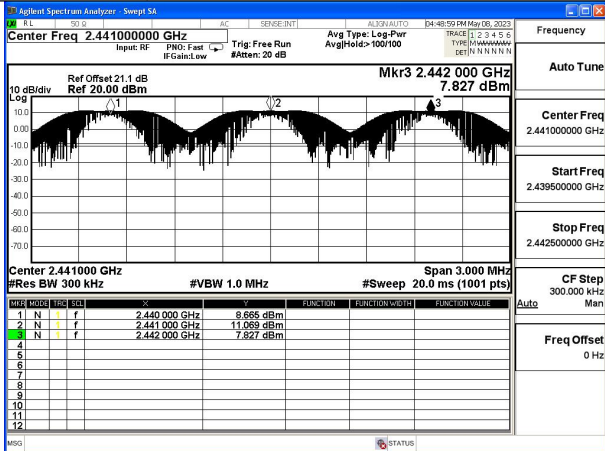
Test Mode:8DPSK(3DH5) 2402MHz

Test Mode:8DPSK(3DH5) 2441MHz

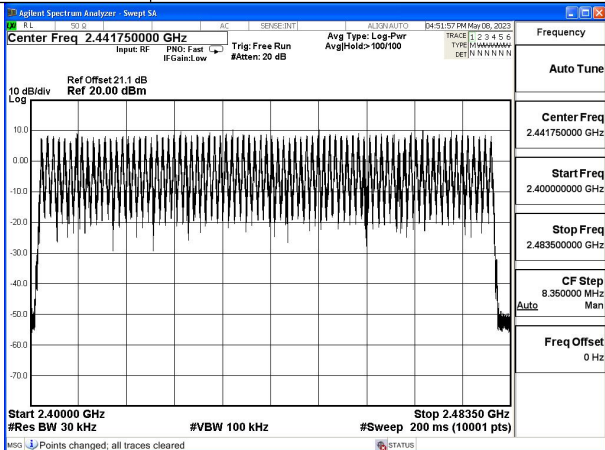


Test Mode:8DPSK(3DH5) 2480MHz

4 Hopping Frequency Separation Channel separation

Test Mode	Op-mode	Channel separation (MHz)																												
GFSK(DH5)	Hopping mode	1																												
 <table border="1"> <thead> <tr> <th>MARK</th> <th>INDEX</th> <th>FREQ</th> <th>LEVEL</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>f</td> <td>2.440 000 GHz</td> <td>8.605 dBm</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td>2.441 000 GHz</td> <td>11.069 dBm</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td>2.442 000 GHz</td> <td>7.827 dBm</td> <td></td> <td></td> </tr> </tbody> </table>			MARK	INDEX	FREQ	LEVEL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f	2.440 000 GHz	8.605 dBm			2	N	f	2.441 000 GHz	11.069 dBm			3	N	f	2.442 000 GHz	7.827 dBm		
MARK	INDEX	FREQ	LEVEL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																								
1	N	f	2.440 000 GHz	8.605 dBm																										
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3	N	f	2.442 000 GHz	7.827 dBm																										

Number of Hopping Frequencies

Test Mode	Op-mode	Result				
GFSK(DH5)	Hopping mode	79				
 <table border="1"> <thead> <tr> <th>Start</th> <th>Stop</th> </tr> </thead> <tbody> <tr> <td>2.400000 GHz</td> <td>2.48350 GHz</td> </tr> </tbody> </table>			Start	Stop	2.400000 GHz	2.48350 GHz
Start	Stop					
2.400000 GHz	2.48350 GHz					

Channel separation

Test Mode	Op-mode	Channel separation (MHz)
$\pi/4$ DQPSK(2DH5)	Hopping mode	1

Number of Hopping Frequencies

Test Mode	Op-mode	Result
$\pi/4$ DQPSK(2DH5)	Hopping mode	79

Channel separation

Test Mode	Op-mode	Channel separation (MHz)
8DPSK(3DH5)	Hopping mode	1

Number of Hopping Frequencies

Test Mode	Op-mode	Result
8DPSK(3DH5)	Hopping mode	79

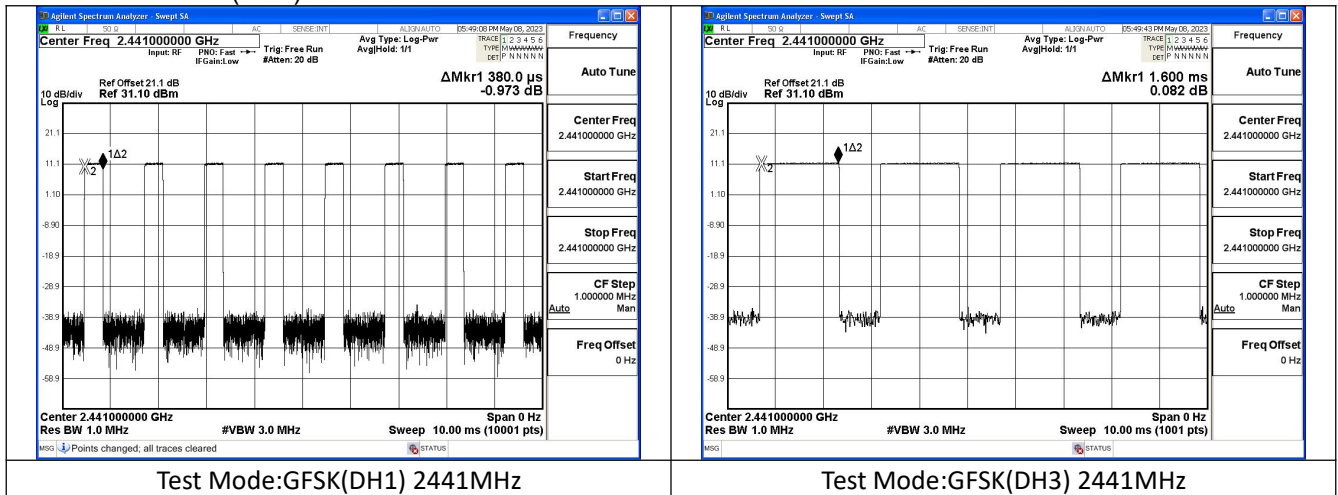
5 Dwell Time

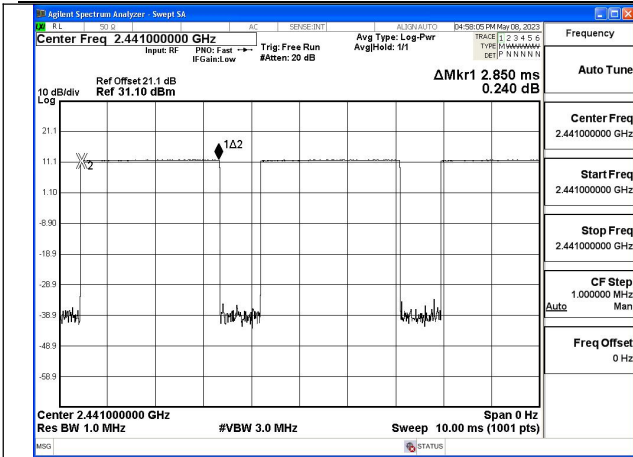
Test Mode	Packet type	Time slot length(μs)	Dwell time	Dwell time(ms)
GFSK(DH1)	DH1	380	Time slot length *31.6*16000/2/79	121.6
GFSK(DH3)	DH3	1600	Time slot length *31.6*16000/4/79	256.0
GFSK(DH5)	DH5	2850	Time slot length *31.6*16000/6/79	304.0

Test Mode	Packet type	Time slot length(μs)	Dwell time	Dwell time(ms)
π/4DQPSK(2DH1)	2DH1	384	Time slot length *31.6*16000/2/79	122.9
π/4DQPSK(2DH3)	2DH3	1600	Time slot length *31.6*16000/4/79	256.0
π/4DQPSK(2DH5)	2DH5	2840	Time slot length *31.6*16000/6/79	302.9

Test Mode	Packet type	Time slot length(μs)	Dwell time	Dwell time(ms)
8DPSK(3DH1)	3DH1	350	Time slot length *31.6*16000/2/79	112.0
8DPSK(3DH3)	3DH3	1600	Time slot length *31.6*16000/4/79	256.0
8DPSK(3DH5)	3DH5	2850	Time slot length *31.6*16000/6/79	304.0

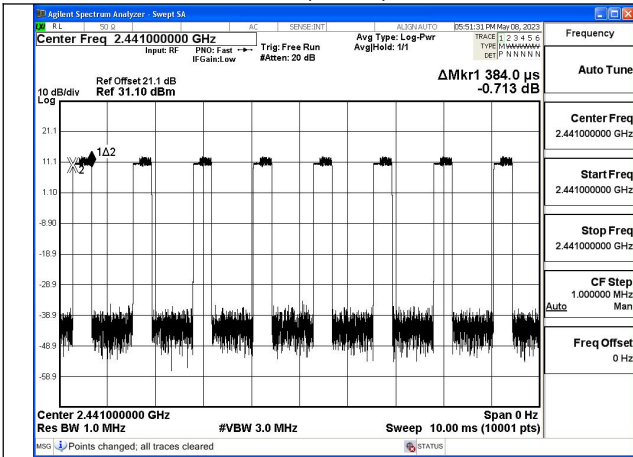
Test Mode: GFSK(DH5)



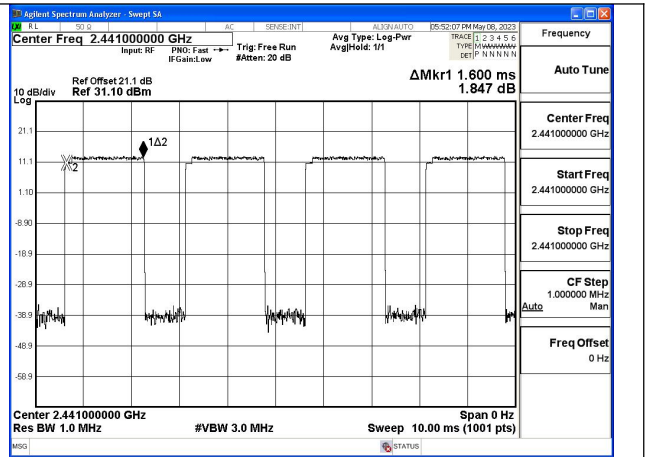


Test Mode:GFSK(DH5) 2441MHz

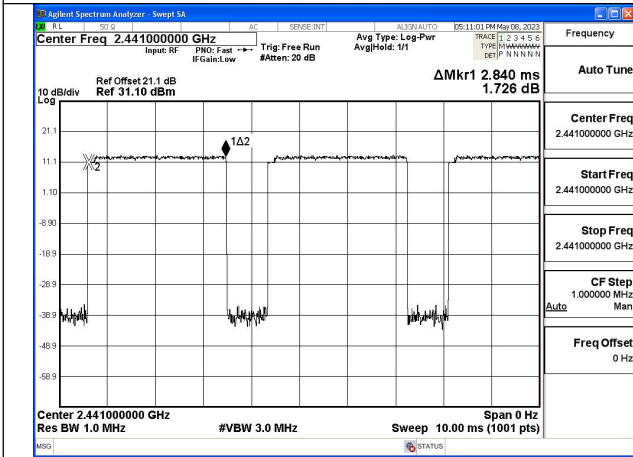
Test Mode: $\pi/4$ DQPSK(2DH5)



Test Mode: $\pi/4$ DQPSK(2DH1) 2441MHz



Test Mode: $\pi/4$ DQPSK(2DH3) 2441MHz



Test Mode: $\pi/4$ DQPSK(2DH5) 2441MHz