Appendix A: Test results

1.1 RF Output Power

1.1.1 Test Result and Data

BT Maximum Output Power				
Mode	Test Frequency (MHz)	Packet Type	Power (dBm)	Result
GFSK	2402	DH5	8.31	Pass
GFSK	2441	DH5	9.15	Pass
GFSK	2480	DH5	9.44	Pass
DQPSK	2402	2DH5	7.40	Pass
DQPSK	2441	2DH5	8.19	Pass
DQPSK	2480	2DH5	8.39	Pass
8DPSK	2402	3DH5	7.85	Pass
8DPSK	2441	3DH5	8.64	Pass
8DPSK	2480	3DH5	8.85	Pass

The maximum EIRP = 9.44dBm+3.3dBi = 12.74dBm = 0.019W which is lower than the limit of 4W listed in RSS-247.

GFSK,2402MHz,DH5

GFSK,2441MHz,DH5

GFSK,2480MHz,DH5

DQPSK,2402MHz,2DH5

DQPSK,2441MHz,2DH5

DQPSK,2480MHz,2DH5

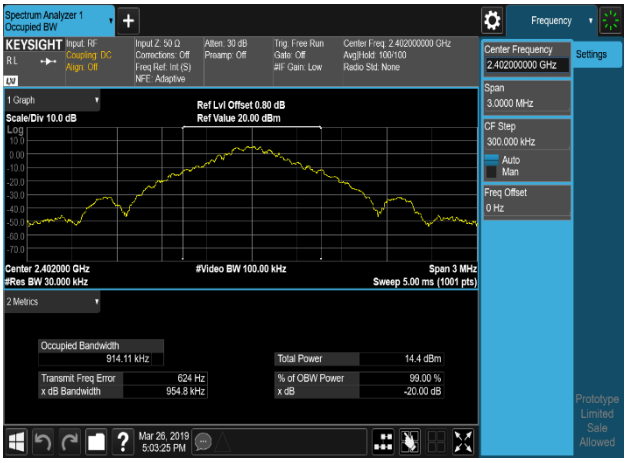
8DPSK,2402MHz,3DH5	8DPSK,2441MHz,3DH5
8DPSK,2480MHz,3DH5	

1.2 20dB Down Bandwidth

1.2.1 Test Result and Data

BT Occupied 20dB Bandwidth				
Mode	Test Frequency (MHz)	Packet Type	20dB Bandwidth (kHz)	Result
GFSK	2402	DH5	954.8	Pass
GFSK	2441	DH5	959.3	Pass
GFSK	2480	DH5	967.4	Pass
DQPSK	2402	2DH5	1279.1	Pass
DQPSK	2441	2DH5	1280.7	Pass
DQPSK	2480	2DH5	1273.7	Pass
8DPSK	2402	3DH5	1307.8	Pass
8DPSK	2441	3DH5	1294.7	Pass
8DPSK	2480	3DH5	1288.7	Pass

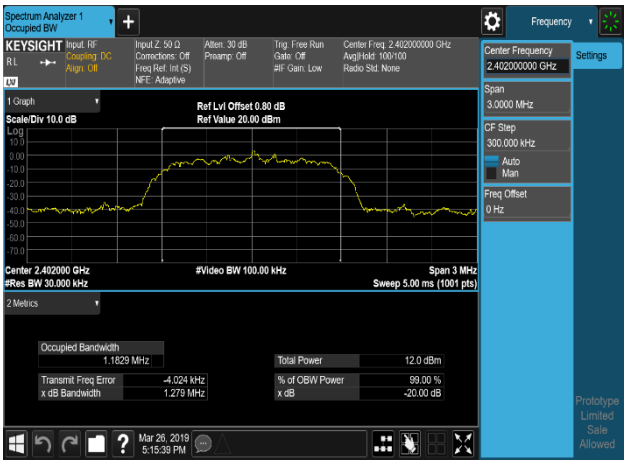
GFSK,2402MHz,DH5



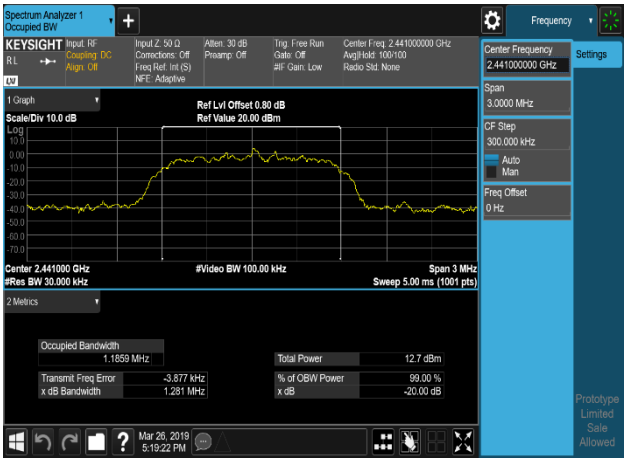
GFSK,2441MHz,DH5

GFSK,2480MHz,DH5

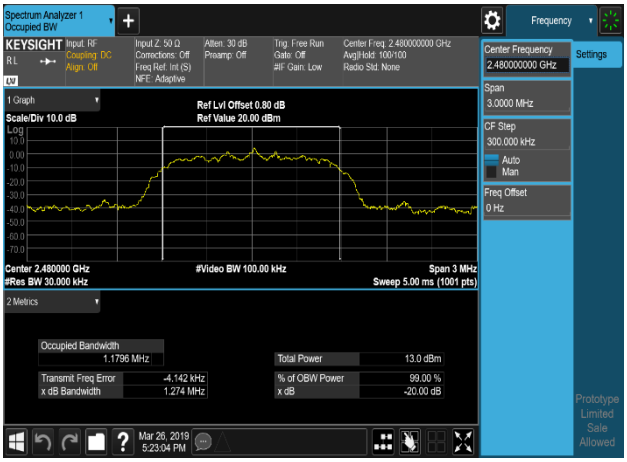
DQPSK,2402MHz,2DH5

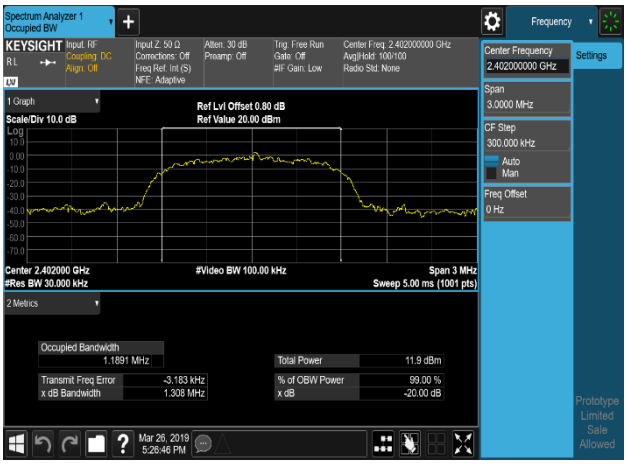
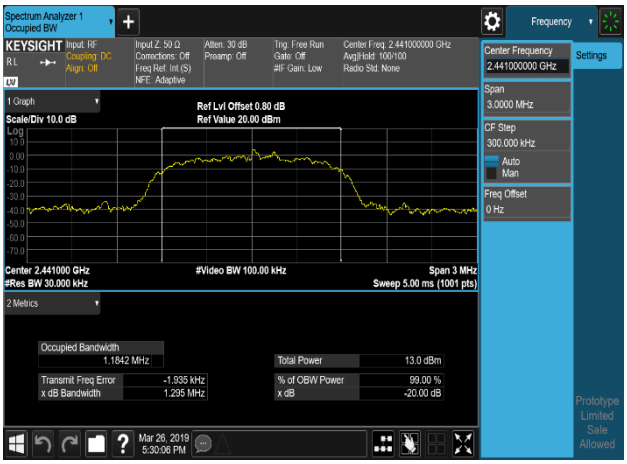
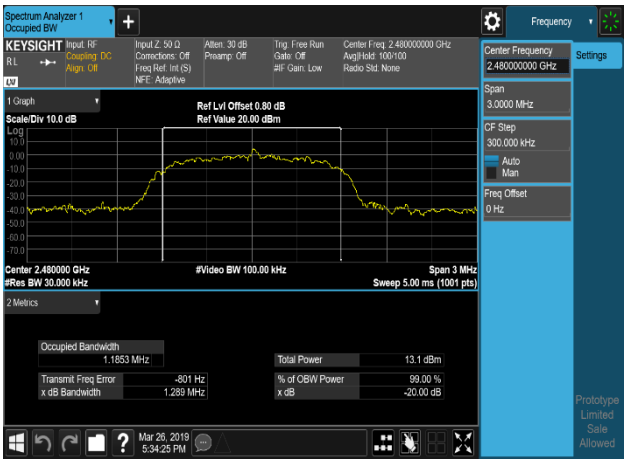


DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5



8DPSK,2402MHz,3DH5	8DPSK,2441MHz,3DH5
	
8DPSK,2480MHz,3DH5	
	

1.3 99% BandWidth

1.3.1 Test Result and Data

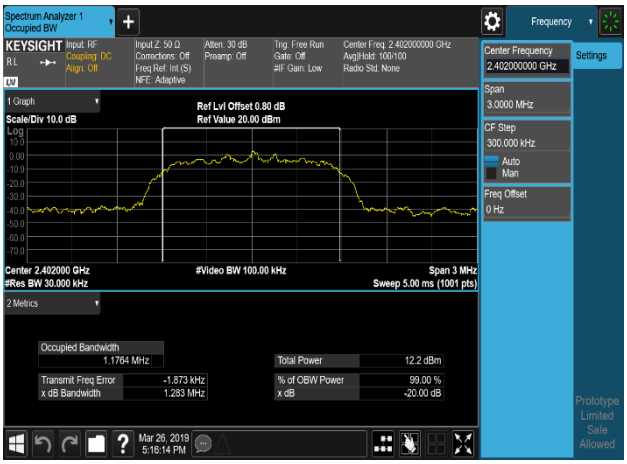
BT 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Packet Type	99% Occupied Bandwidth (kHz)	Result
GFSK	2402	DH5	904.00	Pass
GFSK	2441	DH5	901.61	Pass
GFSK	2480	DH5	906.06	Pass
DQPSK	2402	2DH5	1176.36	Pass
DQPSK	2441	2DH5	1183.47	Pass
DQPSK	2480	2DH5	1185.02	Pass
8DPSK	2402	3DH5	1202.79	Pass
8DPSK	2441	3DH5	1189.48	Pass
8DPSK	2480	3DH5	1195.51	Pass

GFSK,2402MHz,DH5

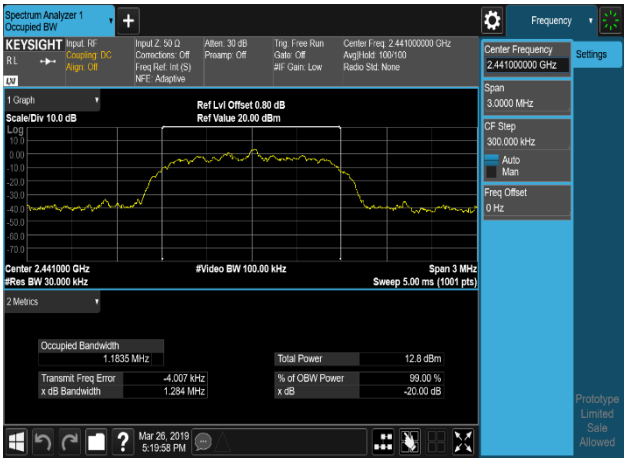
GFSK,2441MHz,DH5

GFSK,2480MHz,DH5

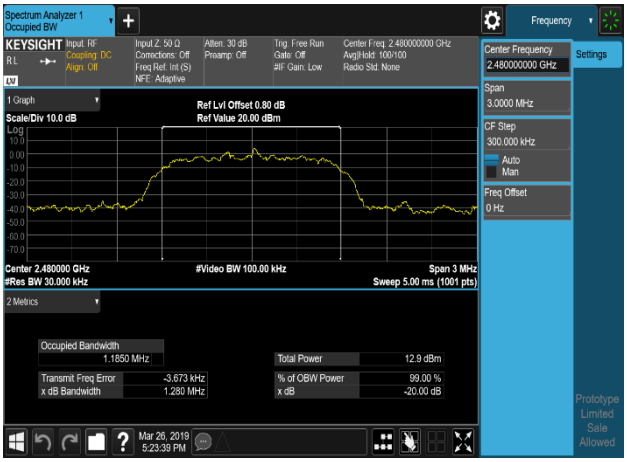
DQPSK,2402MHz,2DH5

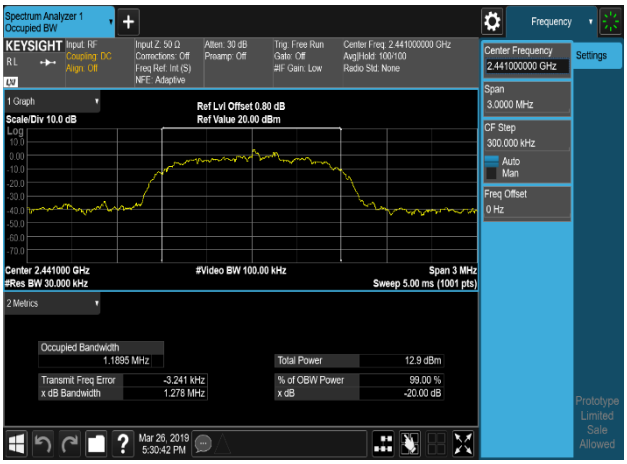
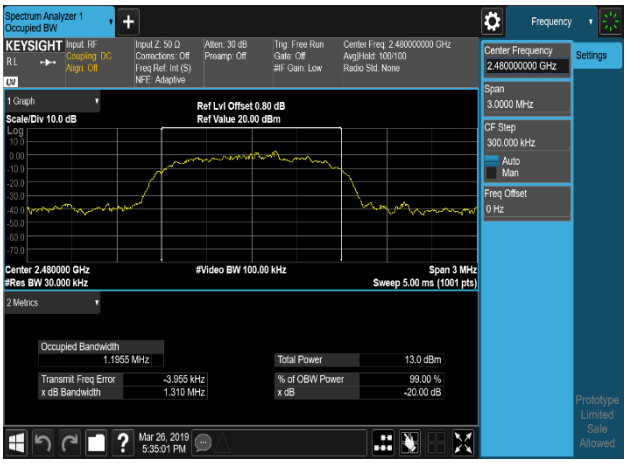


DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5



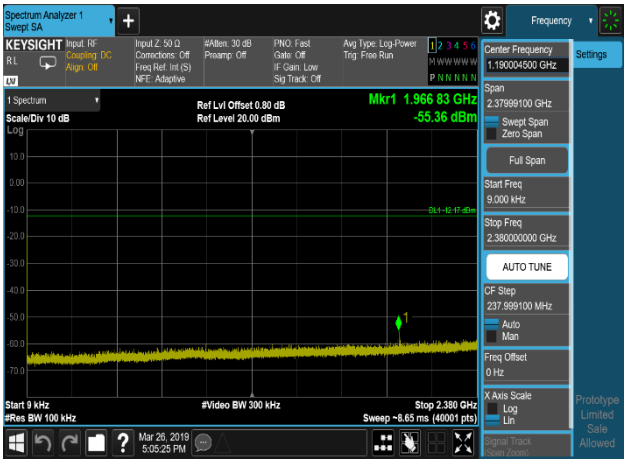
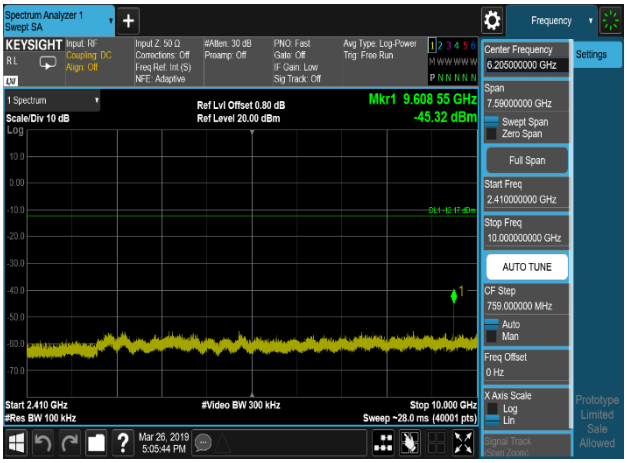
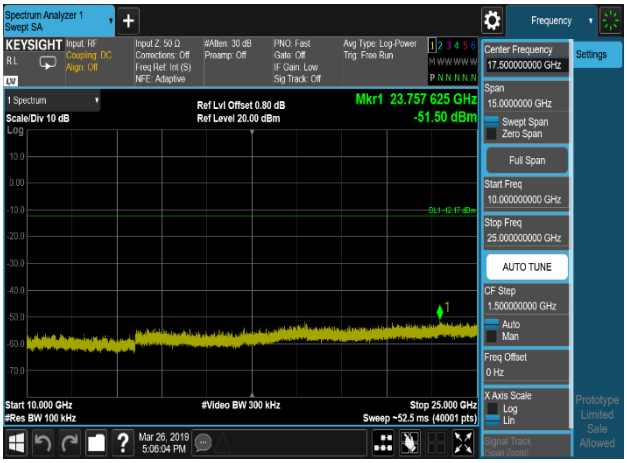
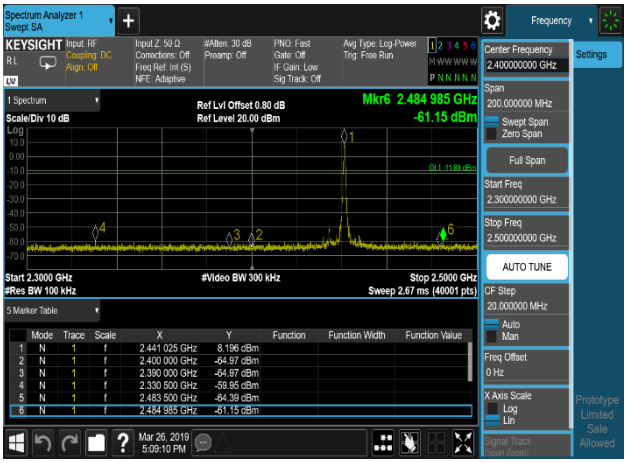
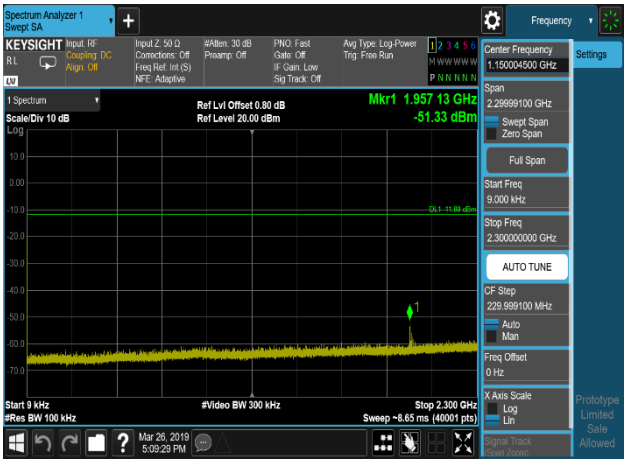
8DPSK,2402MHz,3DH5	8DPSK,2441MHz,3DH5
	
8DPSK,2480MHz,3DH5	
	

1.4 Transmitter Spurious Emission

1.4.1 Test Result and Data

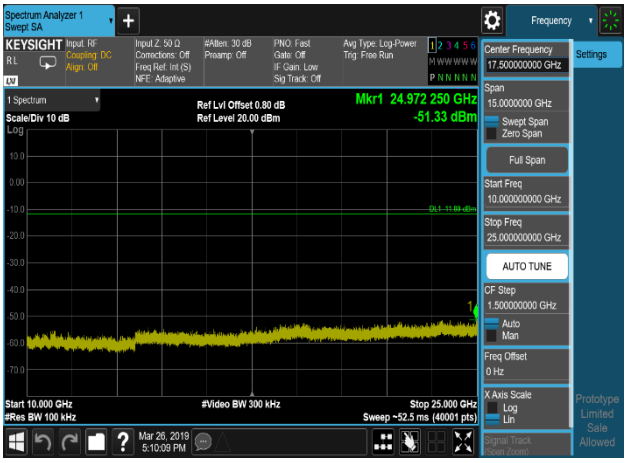
BT Transmitter Spurious Emission					
Mode	Test Frequency (MHz)	Packet Type	Frequency Range	Power (dBm)	Result
GFSK	2402	DH5	0.009MHz~2380MHz	-55.36	Pass
GFSK	2402	DH5	10000MHz~25000MHz	-51.50	Pass
GFSK	2402	DH5	2410MHz~10000MHz	-45.32	Pass
GFSK	2402	DH5	Band Edge	-51.26	Pass
GFSK	2441	DH5	0.009MHz~2300MHz	-51.33	Pass
GFSK	2441	DH5	10000MHz~25000MHz	-51.33	Pass
GFSK	2441	DH5	2500MHz~10000MHz	-45.84	Pass
GFSK	2441	DH5	Band Edge	-59.95	Pass
GFSK	2480	DH5	0.009MHz~2475MHz	-49.55	Pass
GFSK	2480	DH5	10000MHz~25000MHz	-50.83	Pass
GFSK	2480	DH5	2505MHz~10000MHz	-50.84	Pass
GFSK	2480	DH5	Band Edge	-53.60	Pass
DQPSK	2402	2DH5	0.009MHz~2380MHz	-51.76	Pass
DQPSK	2402	2DH5	10000MHz~25000MHz	-51.51	Pass
DQPSK	2402	2DH5	2410MHz~10000MHz	-55.08	Pass
DQPSK	2402	2DH5	Band Edge	-49.32	Pass
DQPSK	2441	2DH5	0.009MHz~2300MHz	-46.55	Pass
DQPSK	2441	2DH5	10000MHz~25000MHz	-51.26	Pass
DQPSK	2441	2DH5	2500MHz~10000MHz	-53.79	Pass
DQPSK	2441	2DH5	Band Edge	-59.83	Pass
DQPSK	2480	2DH5	0.009MHz~2475MHz	-51.95	Pass
DQPSK	2480	2DH5	10000MHz~25000MHz	-51.12	Pass
DQPSK	2480	2DH5	2505MHz~10000MHz	-55.03	Pass
DQPSK	2480	2DH5	Band Edge	-53.92	Pass
8DPSK	2402	3DH5	0.009MHz~2380MHz	-58.04	Pass
8DPSK	2402	3DH5	10000MHz~25000MHz	-51.21	Pass
8DPSK	2402	3DH5	2410MHz~10000MHz	-54.92	Pass

8DPSK	2402	3DH5	Band Edge	-48.82	Pass
8DPSK	2441	3DH5	0.009MHz~2300MHz	-51.49	Pass
8DPSK	2441	3DH5	10000MHz~25000MHz	-51.32	Pass
8DPSK	2441	3DH5	2500MHz~10000MHz	-54.94	Pass
8DPSK	2441	3DH5	Band Edge	-59.71	Pass
8DPSK	2480	3DH5	0.009MHz~2475MHz	-50.61	Pass
8DPSK	2480	3DH5	10000MHz~25000MHz	-51.48	Pass
8DPSK	2480	3DH5	2505MHz~10000MHz	-54.06	Pass
8DPSK	2480	3DH5	Band Edge	-53.58	Pass

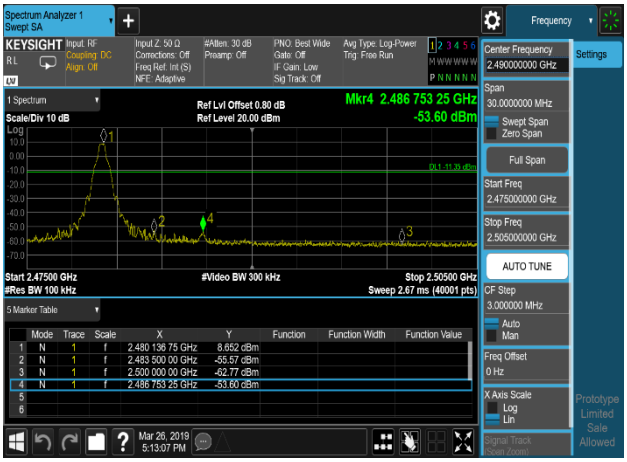
GFSK,2402MHz,DH5,Plot 1,Band Edge	GFSK,2402MHz,DH5,Plot 2,0.009MHz~2380 MHz
	
GFSK,2402MHz,DH5,Plot 3,2410MHz~10000 MHz	GFSK,2402MHz,DH5,Plot 4,10000MHz~25000MHz
	
GFSK,2441MHz,DH5,Plot 1,Band Edge	GFSK,2441MHz,DH5,Plot 2,0.009MHz~2300 MHz
	

GFSK,2441MHz,DH5,Plot 3,2500MHz~10000 MHz

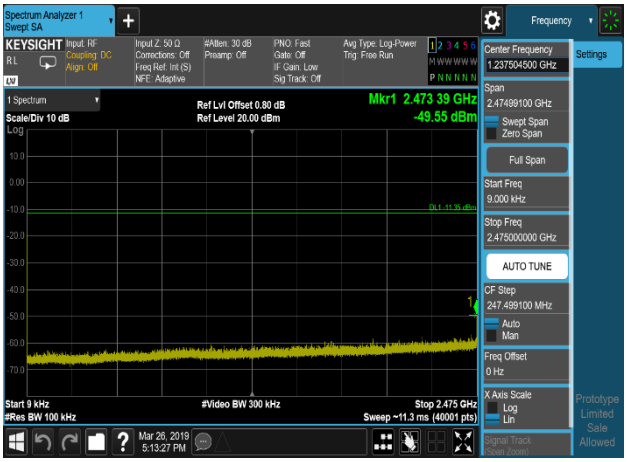
GFSK,2441MHz,DH5,Plot 4,10000MHz~25000MHz



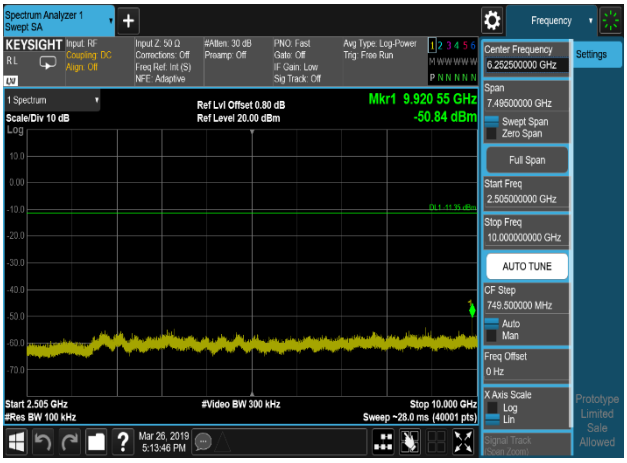
GFSK,2480MHz,DH5,Plot 1,Band Edge



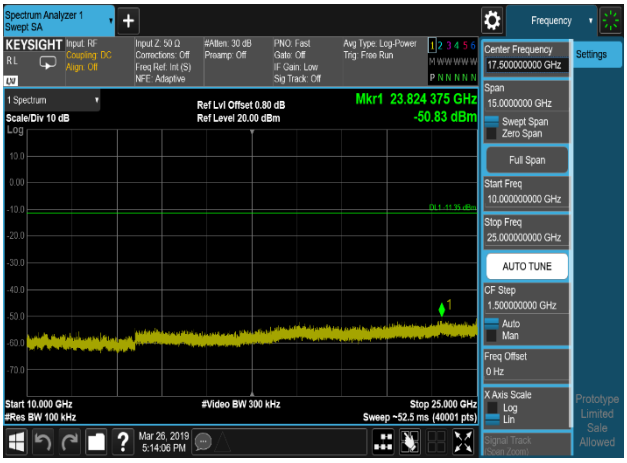
GFSK,2480MHz,DH5,Plot 2,0.009MHz~2475 MHz



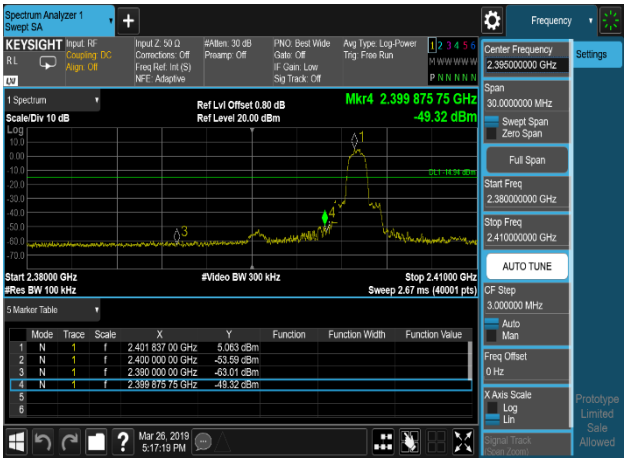
GFSK,2480MHz,DH5,Plot 3,2505MHz~10000 MHz



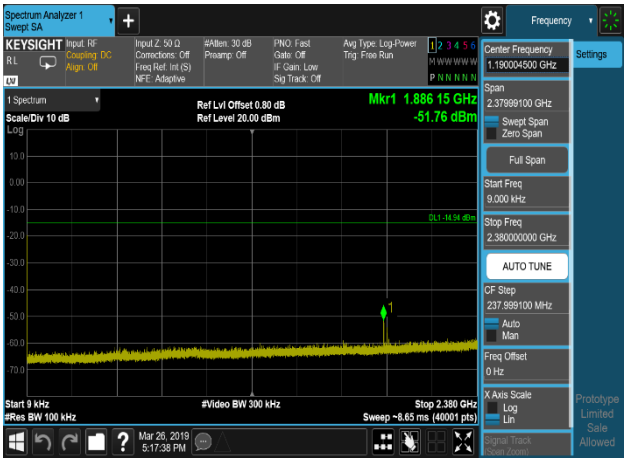
GFSK,2480MHz,DH5,Plot 4,10000MHz~25000MHz



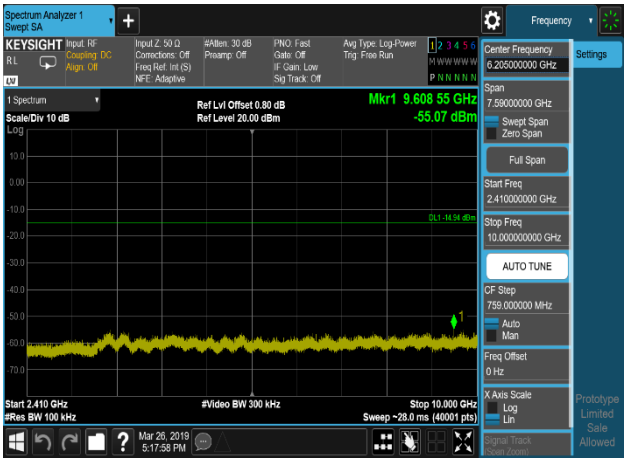
DQPSK,2402MHz,2DH5,Plot 1,Band Edge



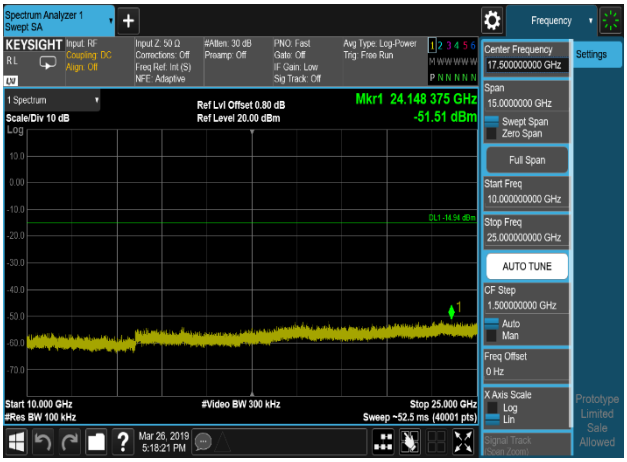
DQPSK,2402MHz,2DH5,Plot 2,0.009MHz~2380MHz



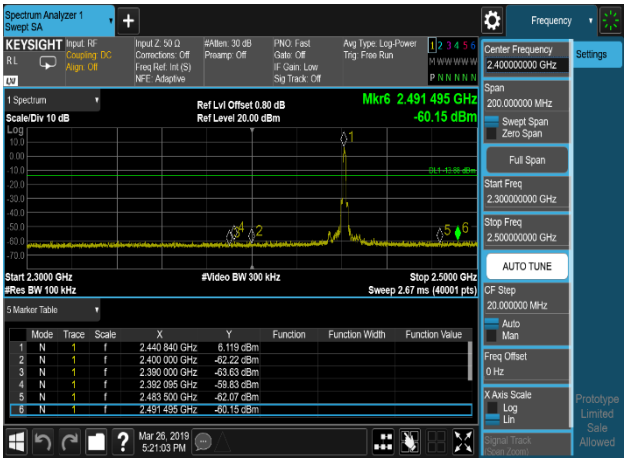
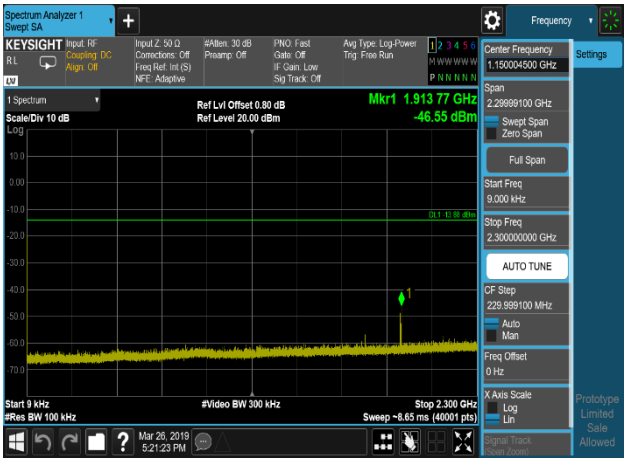
DQPSK,2402MHz,2DH5,Plot 3,2410MHz~10000MHz



DQPSK,2402MHz,2DH5,Plot 4,10000MHz~25000MHz



DQPSK,2441MHz,2DH5,Plot 1,Band Edge



DQPSK,2441MHz,2DH5,Plot 2,0.009MHz~2300MHz