

TEST REPORT

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	6.17	Pass
GFSK	2441	DH5	8.28	Pass
GFSK	2480	DH5	8.26	Pass
DQPSK	2402	2DH5	3.85	Pass
DQPSK	2441	2DH5	6.61	Pass
DQPSK	2480	2DH5	6.47	Pass
8DPSK	2402	3DH5	4.65	Pass
8DPSK	2441	3DH5	7.55	Pass
8DPSK	2480	3DH5	7.28	Pass

The maximum EIRP = 8.28dBm+2.0dBi = 10.28dBm = 0.011W 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



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8DPSK,2402MHz,3DH5



8DPSK,2441MHz,3DH5



8DPSK,2480MHz,3DH5



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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	876.2	Pass
GFSK	2441	DH5	875.1	Pass
GFSK	2480	DH5	875.9	Pass
DQPSK	2402	2DH5	1258.6	Pass
DQPSK	2441	2DH5	1229.1	Pass
DQPSK	2480	2DH5	1263.4	Pass
8DPSK	2402	3DH5	1289.4	Pass
8DPSK	2441	3DH5	1259.3	Pass
8DPSK	2480	3DH5	1303.5	Pass

GFSK,2402MHz,DH5



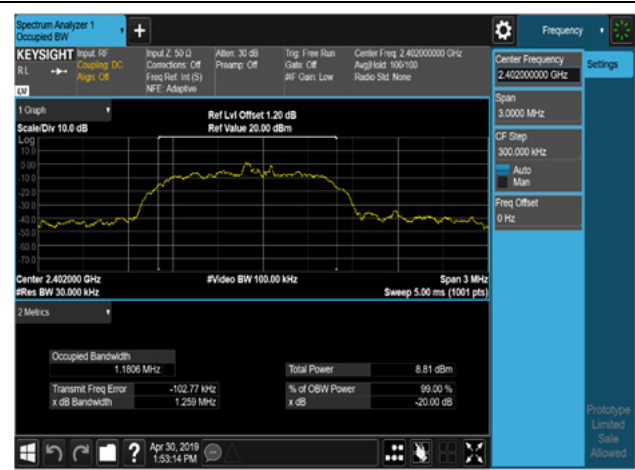
GFSK,2441MHz,DH5



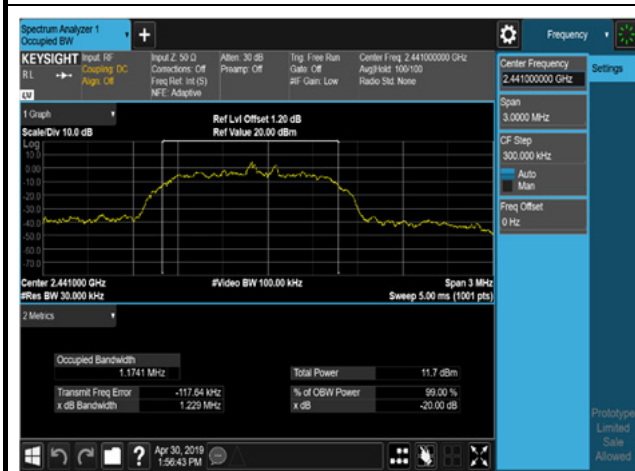
GFSK,2480MHz,DH5



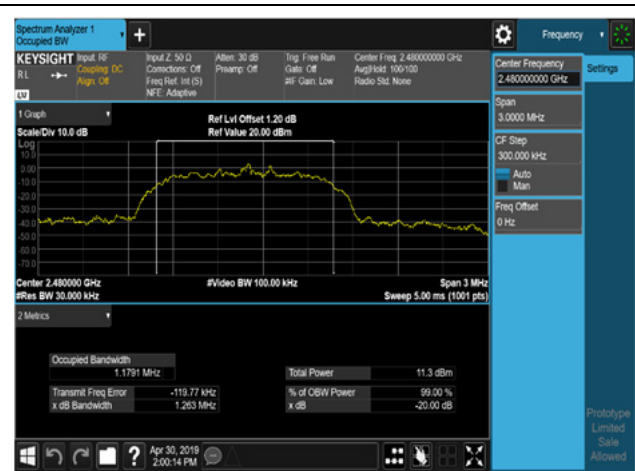
DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5

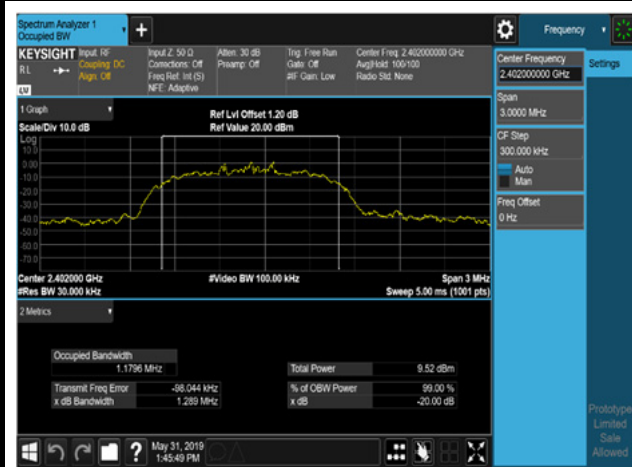


DQPSK,2480MHz,2DH5

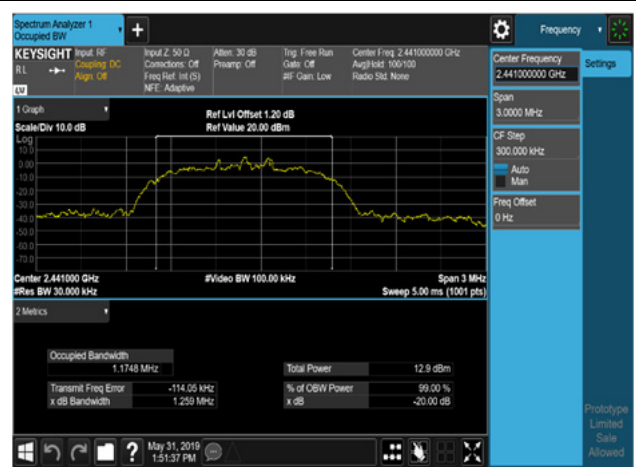


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8DPSK,2402MHz,3DH5



8DPSK,2441MHz,3DH5



8DPSK,2480MHz,3DH5



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1.3 99% BandWidth

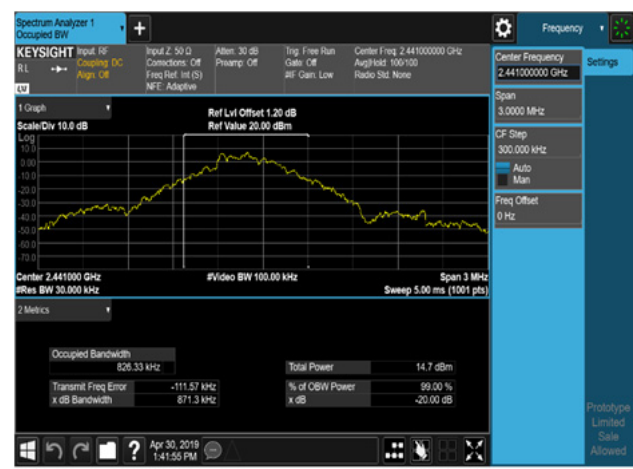
1.3.1 Test Result and Data

BT 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Packet Type	99% Occupied Bandwidth (kHz)	Result
GFSK	2402	DH5	840.80	Pass
GFSK	2441	DH5	826.33	Pass
GFSK	2480	DH5	831.97	Pass
DQPSK	2402	2DH5	1186.05	Pass
DQPSK	2441	2DH5	1172.55	Pass
DQPSK	2480	2DH5	1169.96	Pass
8DPSK	2402	3DH5	1176.10	Pass
8DPSK	2441	3DH5	1176.32	Pass
8DPSK	2480	3DH5	1170.70	Pass

GFSK,2402MHz,DH5



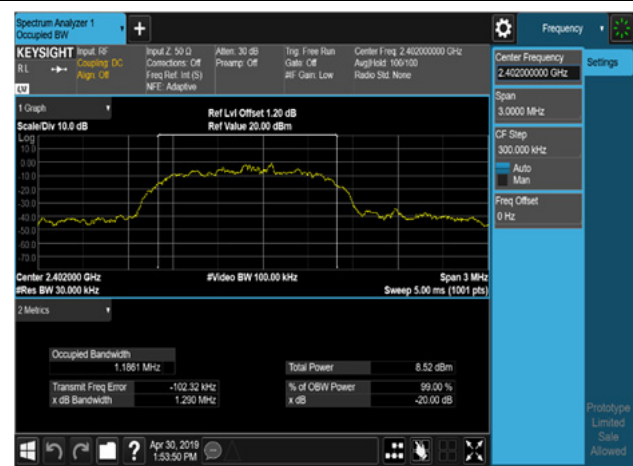
GFSK,2441MHz,DH5



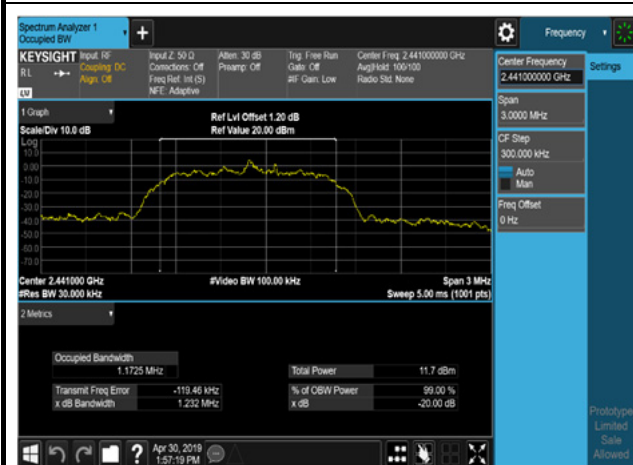
GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5

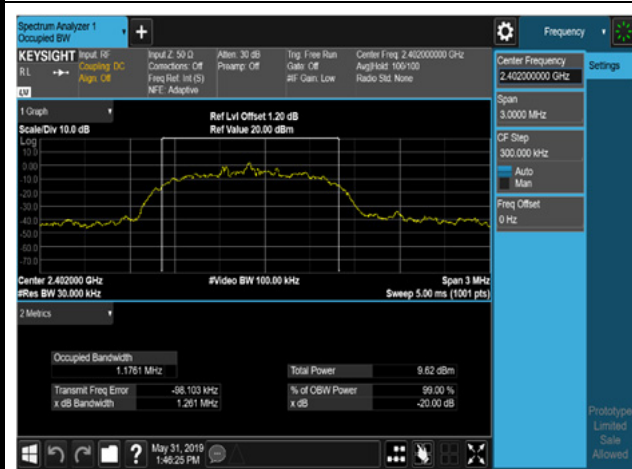


DQPSK,2480MHz,2DH5

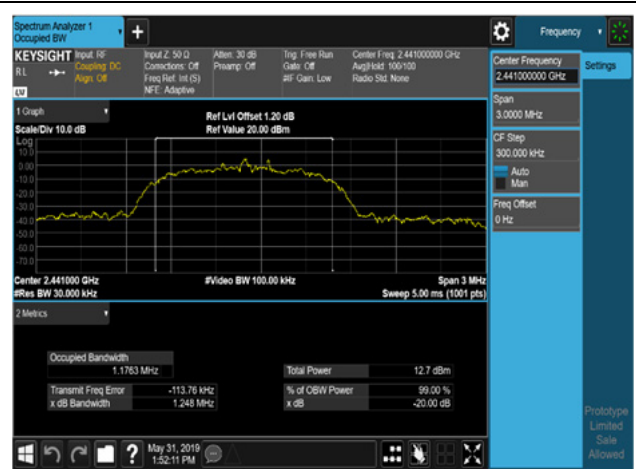


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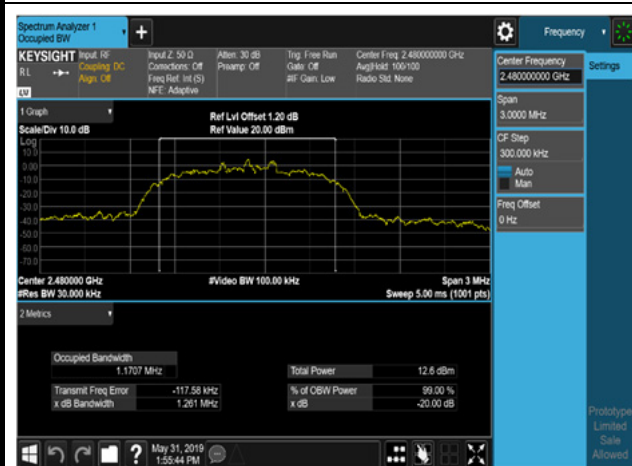
8DPSK,2402MHz,3DH5



8DPSK,2441MHz,3DH5



8DPSK,2480MHz,3DH5



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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	-53.74	Pass
GFSK	2402	DH5	10000MHz~25000MHz	-50.95	Pass
GFSK	2402	DH5	2410MHz~10000MHz	-43.04	Pass
GFSK	2402	DH5	Band Edge	-47.61	Pass
GFSK	2441	DH5	0.009MHz~2300MHz	-48.77	Pass
GFSK	2441	DH5	10000MHz~25000MHz	-51.19	Pass
GFSK	2441	DH5	2500MHz~10000MHz	-43.39	Pass
GFSK	2441	DH5	Band Edge	-48.04	Pass
GFSK	2480	DH5	0.009MHz~2475MHz	-48.70	Pass
GFSK	2480	DH5	10000MHz~25000MHz	-50.78	Pass
GFSK	2480	DH5	2505MHz~10000MHz	-43.65	Pass
GFSK	2480	DH5	Band Edge	-54.97	Pass
DQPSK	2402	2DH5	0.009MHz~2380MHz	-57.48	Pass
DQPSK	2402	2DH5	10000MHz~25000MHz	-50.98	Pass
DQPSK	2402	2DH5	2410MHz~10000MHz	-45.52	Pass
DQPSK	2402	2DH5	Band Edge	-49.56	Pass
DQPSK	2441	2DH5	0.009MHz~2300MHz	-58.47	Pass
DQPSK	2441	2DH5	10000MHz~25000MHz	-51.36	Pass
DQPSK	2441	2DH5	2500MHz~10000MHz	-46.37	Pass
DQPSK	2441	2DH5	Band Edge	-49.29	Pass
DQPSK	2480	2DH5	0.009MHz~2475MHz	-54.14	Pass
DQPSK	2480	2DH5	10000MHz~25000MHz	-51.17	Pass
DQPSK	2480	2DH5	2505MHz~10000MHz	-45.06	Pass
DQPSK	2480	2DH5	Band Edge	-58.41	Pass
8DPSK	2402	3DH5	0.009MHz~2380MHz	-56.91	Pass
8DPSK	2402	3DH5	10000MHz~25000MHz	-48.93	Pass

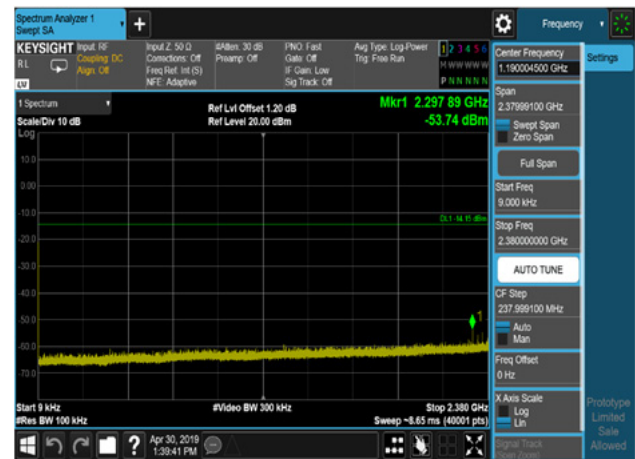
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8DPSK	2402	3DH5	2410MHz~10000MHz	-53.78	Pass
8DPSK	2402	3DH5	Band Edge	-48.49	Pass
8DPSK	2441	3DH5	0.009MHz~2300MHz	-56.27	Pass
8DPSK	2441	3DH5	10000MHz~25000MHz	-50.63	Pass
8DPSK	2441	3DH5	2500MHz~10000MHz	-44.34	Pass
8DPSK	2441	3DH5	Band Edge	-49.69	Pass
8DPSK	2480	3DH5	0.009MHz~2475MHz	-51.79	Pass
8DPSK	2480	3DH5	10000MHz~25000MHz	-50.24	Pass
8DPSK	2480	3DH5	2505MHz~10000MHz	-45.07	Pass
8DPSK	2480	3DH5	Band Edge	-56.56	Pass

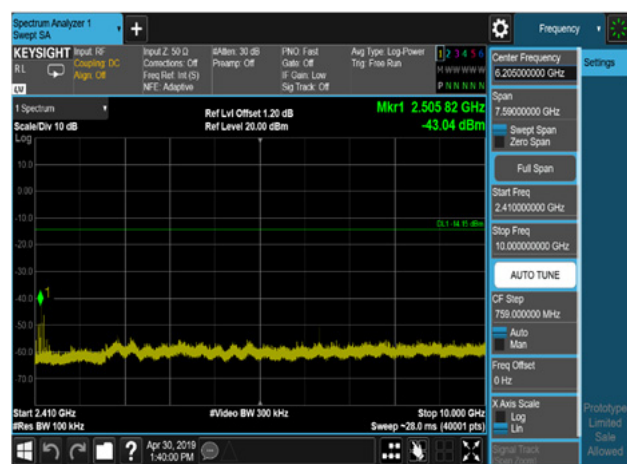
GFSK,2402MHz,DH5,Plot 1,Band Edge



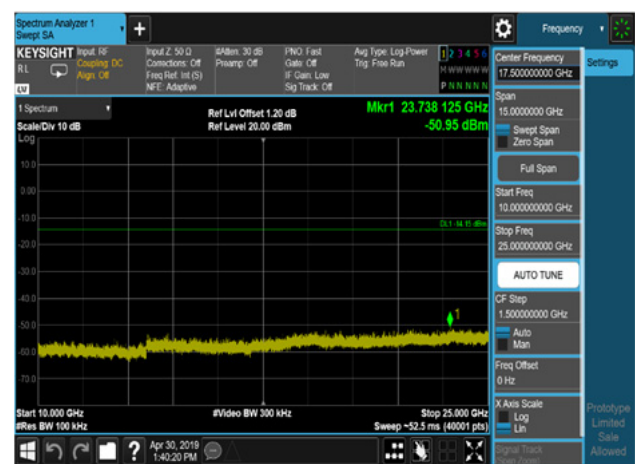
GFSK,2402MHz,DH5,Plot 2,0.009MHz~2380 MHz



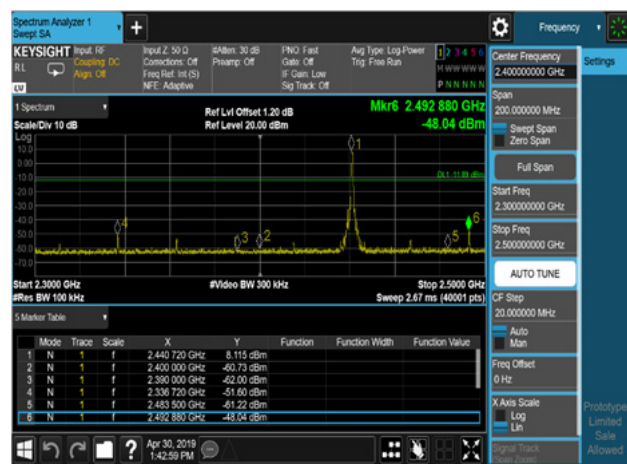
GFSK,2402MHz,DH5,Plot 3,2410MHz~10000 MHz



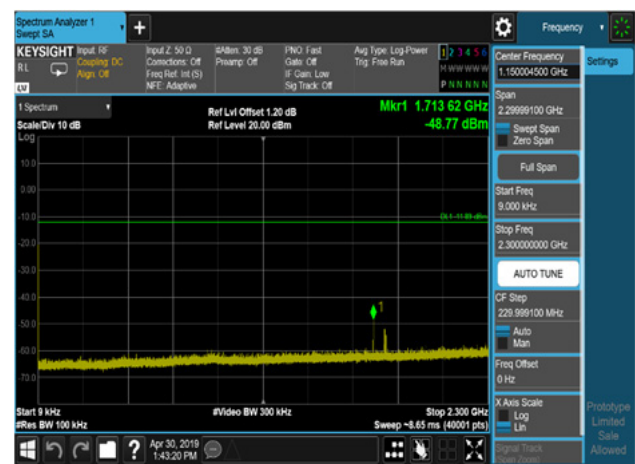
GFSK,2402MHz,DH5,Plot 4,10000MHz~2500 0MHz



GFSK,2441MHz,DH5,Plot 1,Band Edge



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

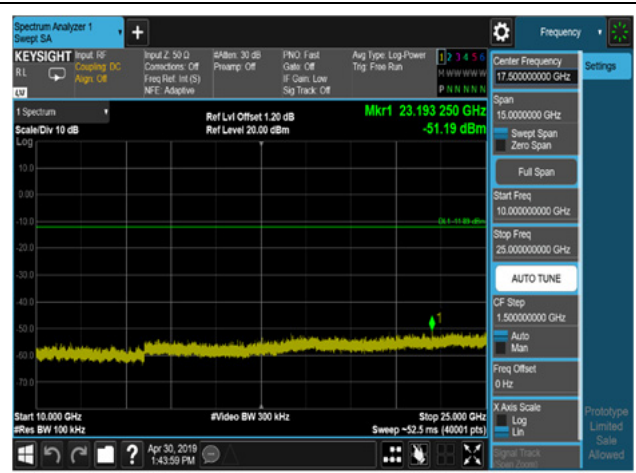


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GFSK,2441MHz,DH5,Plot 3,2500MHz~10000
MHz



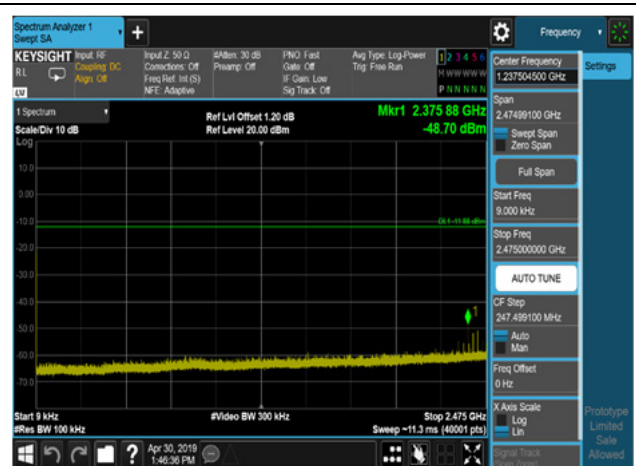
GFSK,2441MHz,DH5,Plot 4,10000MHz~2500
0MHz



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



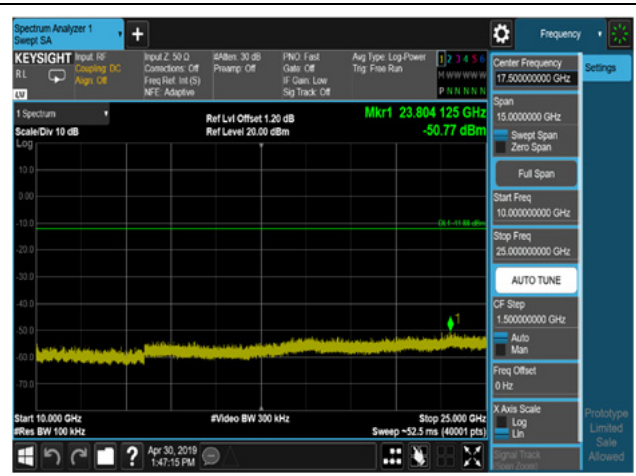
GFSK,2480MHz,DH5,Plot 2,0.009MHz~2475
MHz



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



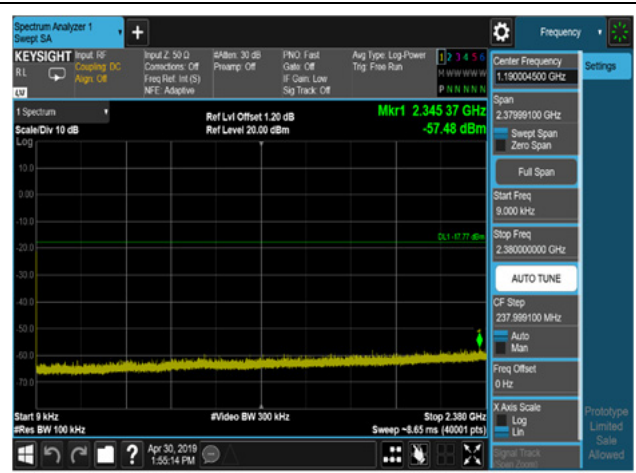
GFSK,2480MHz,DH5,Plot 4,10000MHz~2500
0MHz



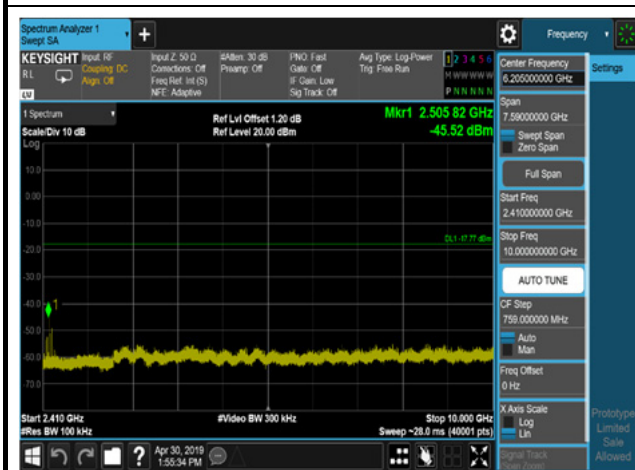
DQPSK,2402MHz,2DH5,Plot 1,Band
Edge



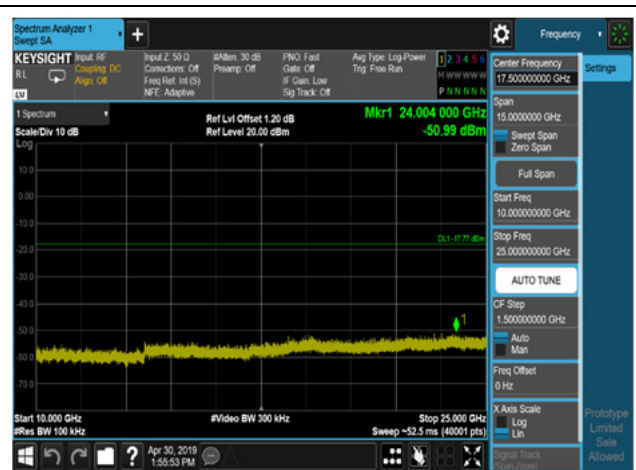
DQPSK,2402MHz,2DH5,Plot 2,0.009MHz~23
80MHz



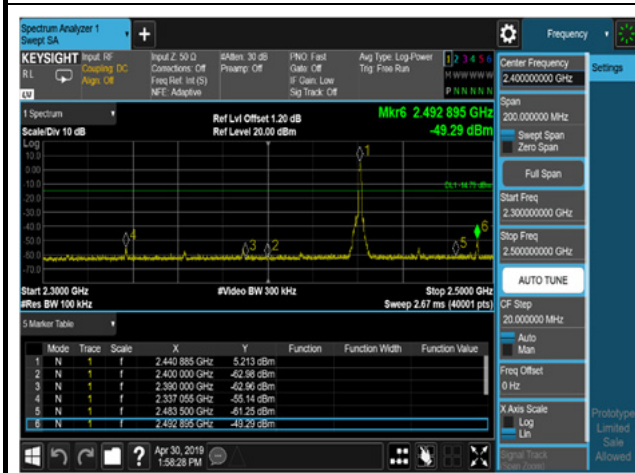
DQPSK,2402MHz,2DH5,Plot 3,2410MHz~100
00MHz



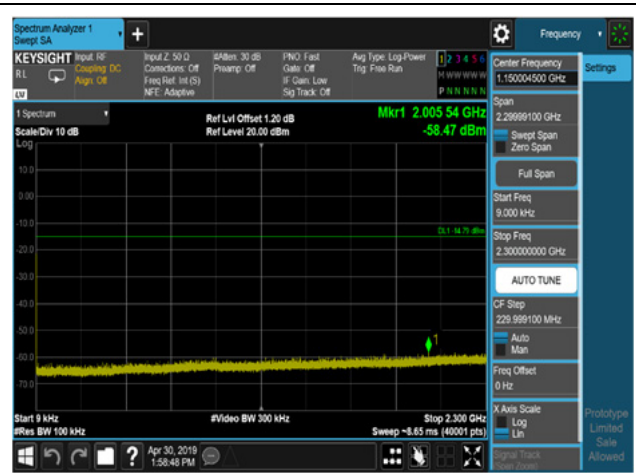
DQPSK,2402MHz,2DH5,Plot 4,10000MHz~25
000MHz



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



DQPSK,2441MHz,2DH5,Plot 2,0.009MHz~23
00MHz

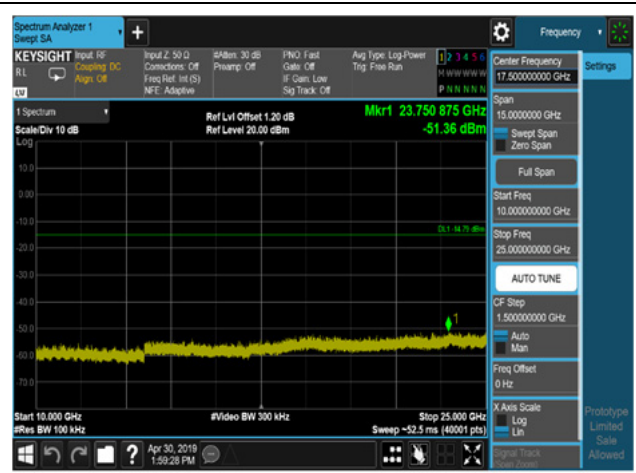


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DQPSK,2441MHz,2DH5,Plot 3,2500MHz~100
00MHz



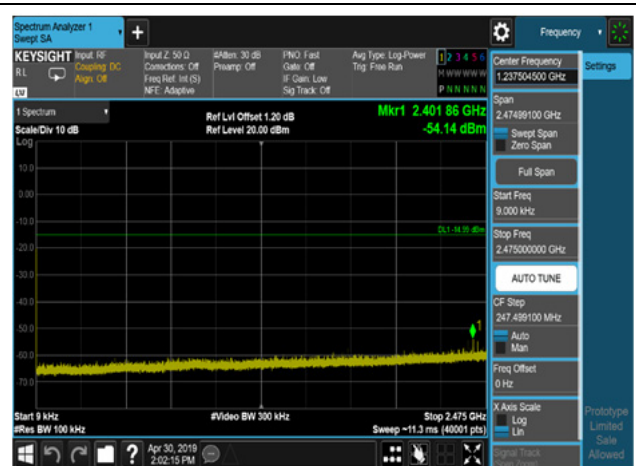
DQPSK,2441MHz,2DH5,Plot 4,10000MHz~25
00MHz



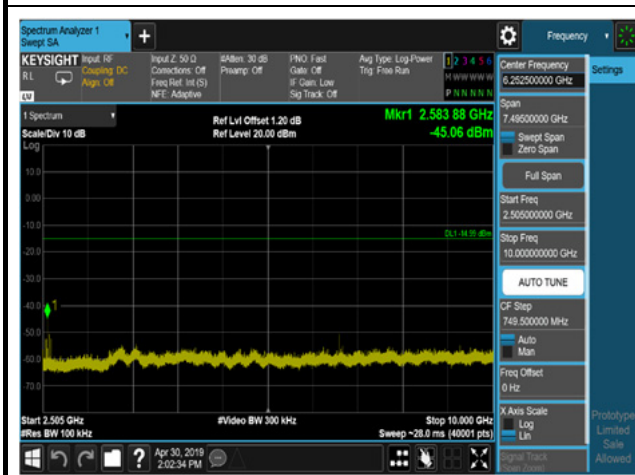
DQPSK,2480MHz,2DH5,Plot 1,Band
Edge



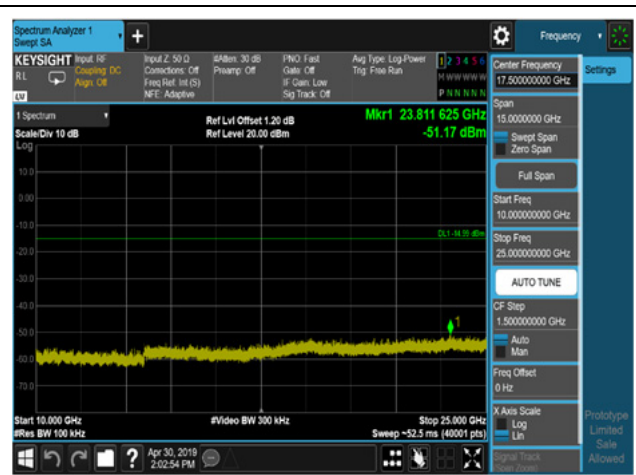
DQPSK,2480MHz,2DH5,Plot 2,0.009MHz~24
75MHz



DQPSK,2480MHz,2DH5,Plot 3,2505MHz~100
00MHz



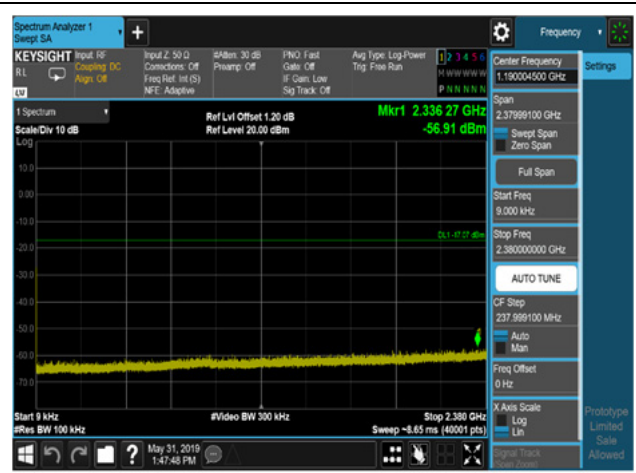
DQPSK,2480MHz,2DH5,Plot 4,10000MHz~25
00MHz



8DPSK,2402MHz,3DH5,Plot 1,Band
Edge



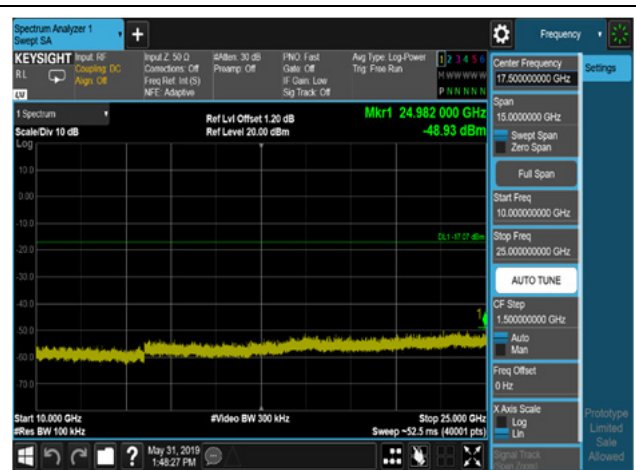
8DPSK,2402MHz,3DH5,Plot 2,0.009MHz~23
80MHz



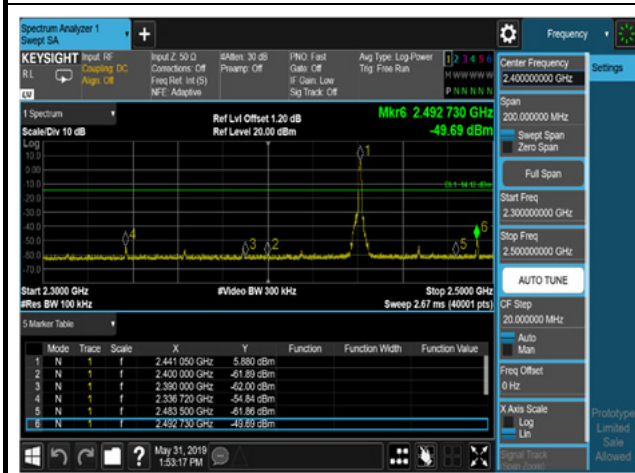
8DPSK,2402MHz,3DH5,Plot 3,2410MHz~100
00MHz



8DPSK,2402MHz,3DH5,Plot 4,10000MHz~25
000MHz



8DPSK,2441MHz,3DH5,Plot 1,Band
Edge



8DPSK,2441MHz,3DH5,Plot 2,0.009MHz~23
00MHz

