

TEST REPORT

Appendix A: Transmitter Test results

A.1 RF Output Power

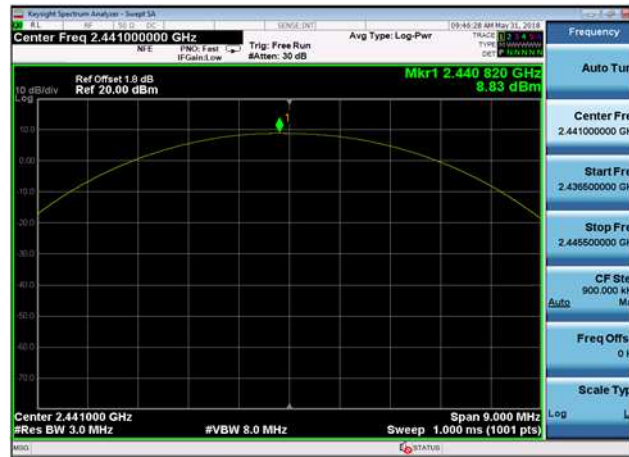
A.1.1 Test Result and Data

BT Maximum Output Power				
Mode	Test Frequency (MHz)	Packet Type	Power (dBm)	Result
GFSK	2402	DH5	6.98	Pass
GFSK	2441	DH5	8.83	Pass
GFSK	2480	DH5	8.72	Pass
DQPSK	2402	2DH5	4.68	Pass
DQPSK	2441	2DH5	7.12	Pass
DQPSK	2480	2DH5	6.87	Pass
8DPSK	2402	3DH5	4.90	Pass
8DPSK	2441	3DH5	7.39	Pass
8DPSK	2480	3DH5	7.16	Pass

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5

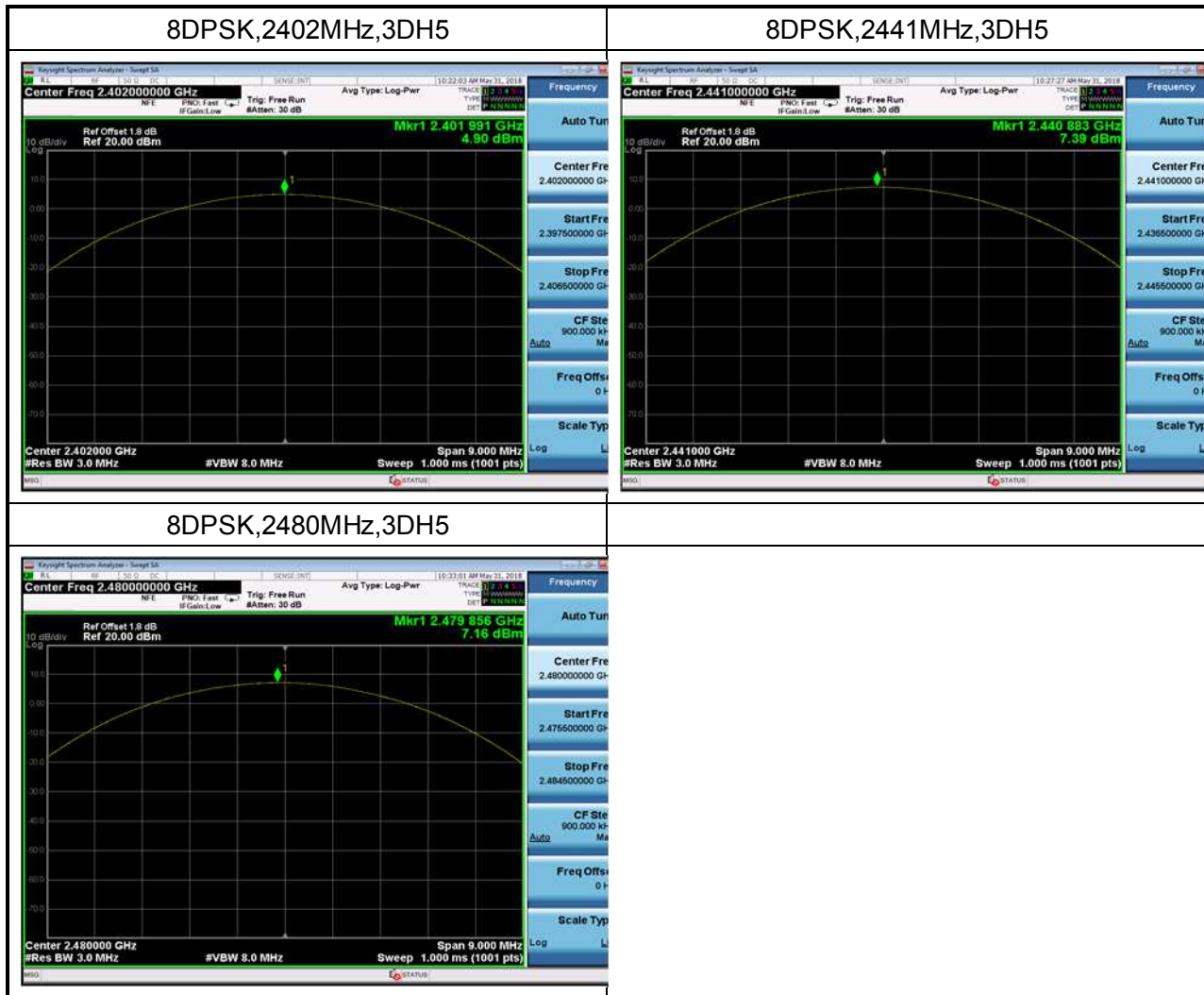


DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5





A.2 20dB Down Bandwidth

A.2.1 Test Result and Data

BT Occupied 20dB Bandwidth				
Mode	Test Frequency (MHz)	Packet Type	20dB Bandwidth (kHz)	Result
GFSK	2402	DH5	909.5	Pass
GFSK	2441	DH5	947.1	Pass
GFSK	2480	DH5	950.6	Pass
DQPSK	2402	2DH5	1255.1	Pass
DQPSK	2441	2DH5	1341.1	Pass
DQPSK	2480	2DH5	1272.8	Pass
8DPSK	2402	3DH5	1288.8	Pass
8DPSK	2441	3DH5	1276.1	Pass
8DPSK	2480	3DH5	1291.0	Pass

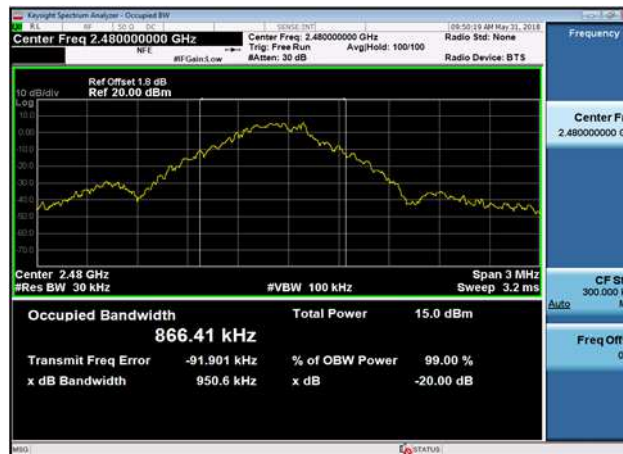
GFSK,2402MHz,DH5



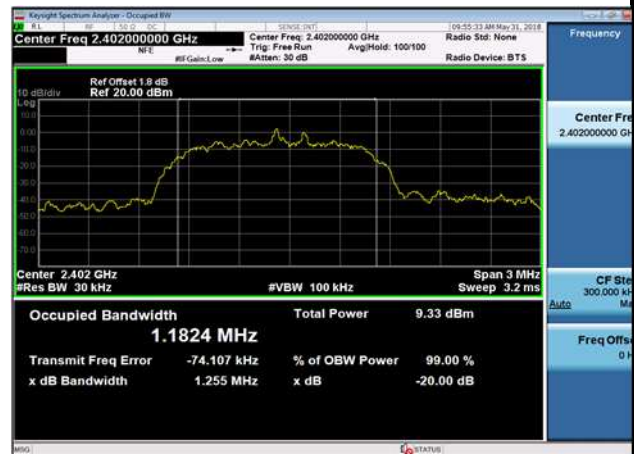
GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



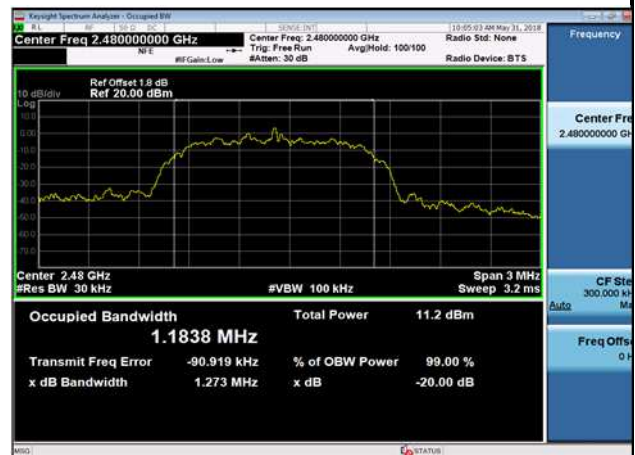
DQPSK,2402MHz,2DH5

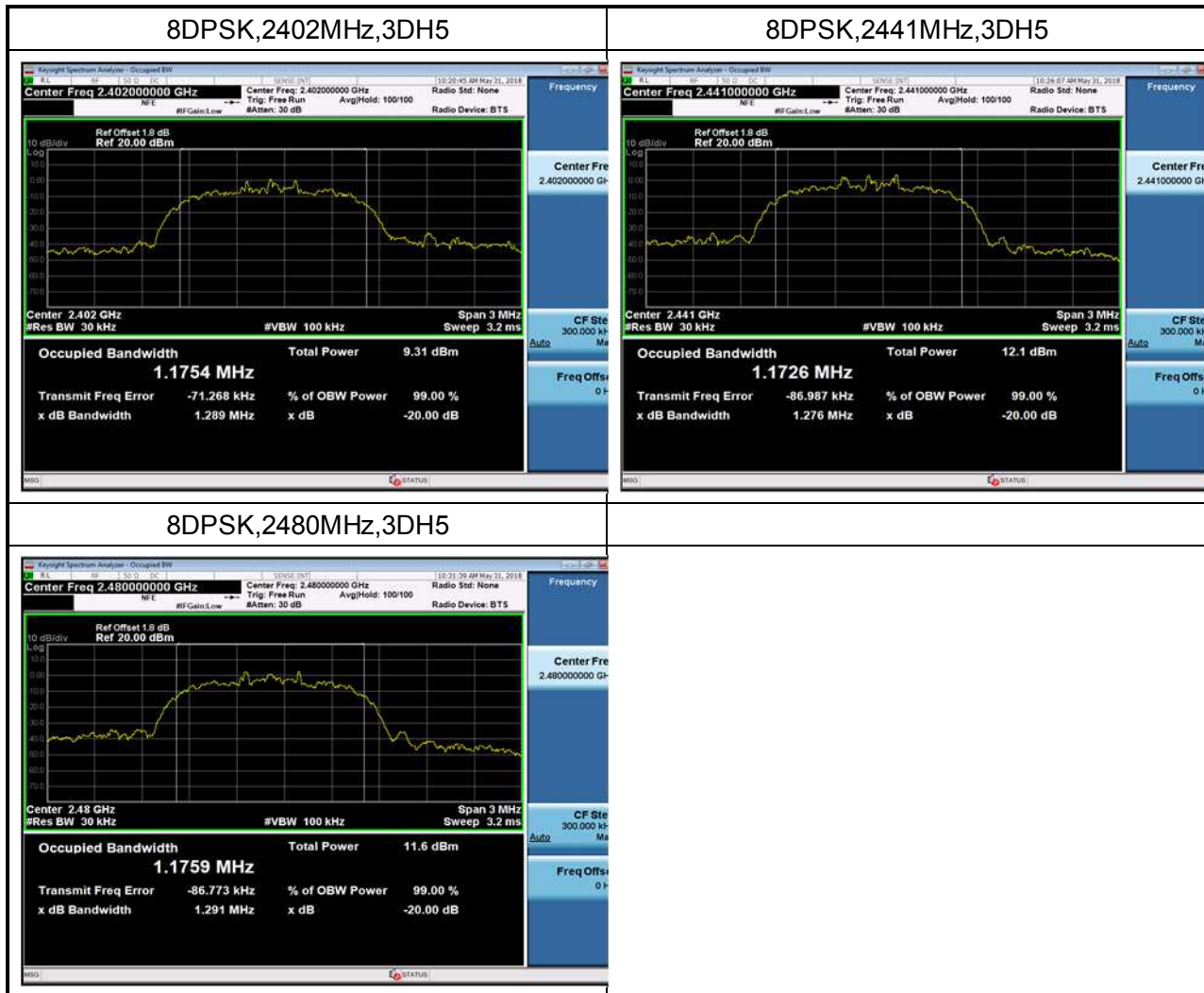


DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5





A.3 99% BandWidth

A.3.1 Test Result and Data

BT 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Packet Type	99% Occupied Bandwidth (kHz)	Result
GFSK	2402	DH5	850.02	Pass
GFSK	2441	DH5	876.74	Pass
GFSK	2480	DH5	860.49	Pass
DQPSK	2402	2DH5	1200.49	Pass
DQPSK	2441	2DH5	1174.84	Pass
DQPSK	2480	2DH5	1177.09	Pass
8DPSK	2402	3DH5	1176.06	Pass
8DPSK	2441	3DH5	1177.64	Pass
8DPSK	2480	3DH5	1190.53	Pass

GFSK,2402MHz,DH5



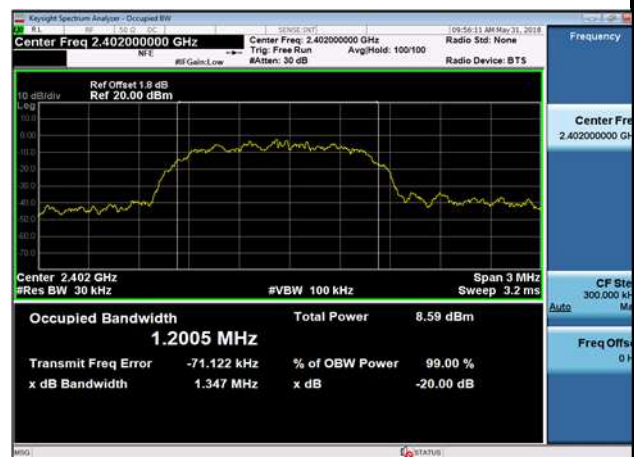
GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5

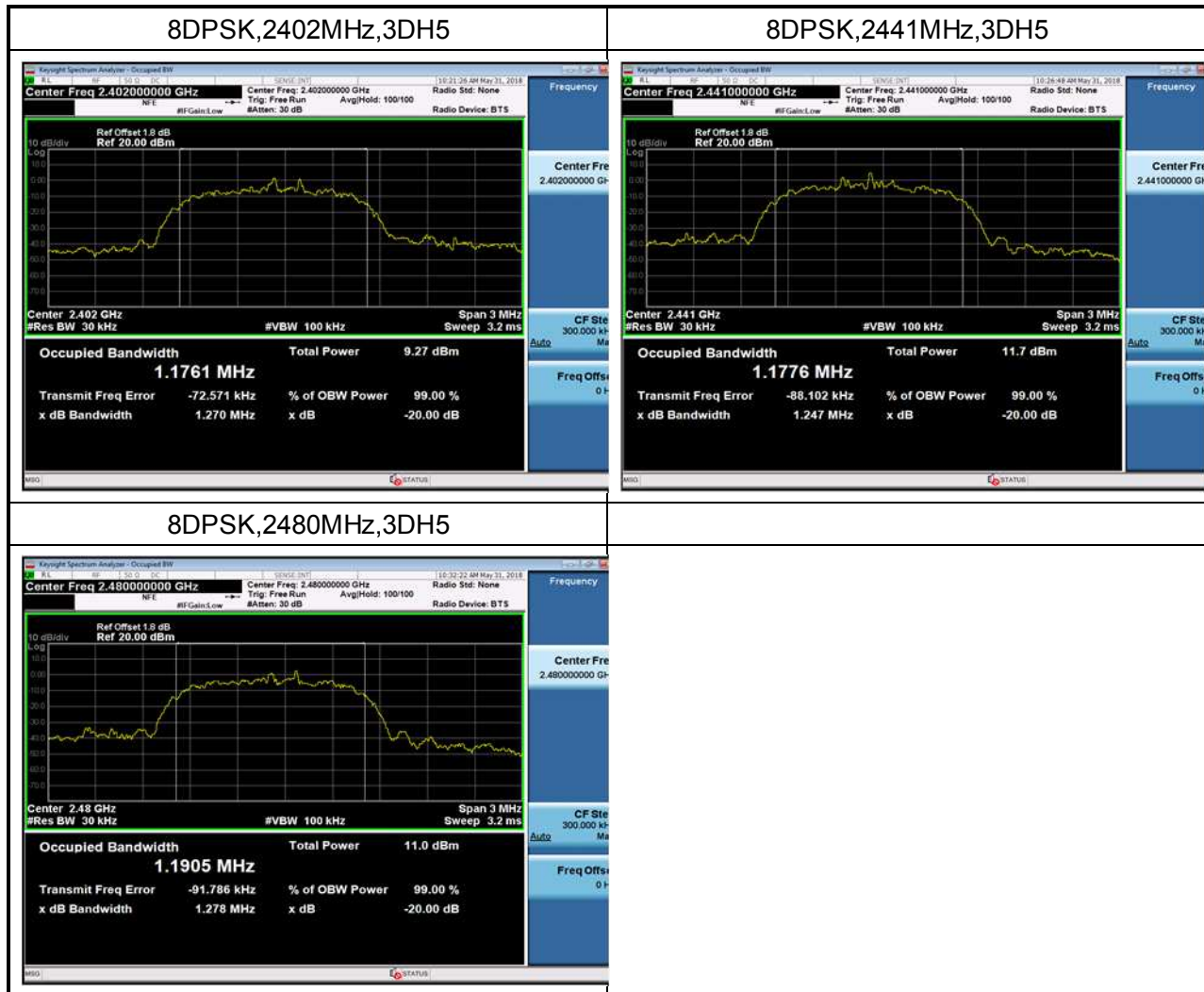


DQPSK,2441MHz,2DH5



DQPSK,2480MHz,2DH5





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A.4 Transmitter Spurious Emission

A.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	-53.14	Pass
GFSK	2402	DH5	10000MHz~25000MHz	-50.99	Pass
GFSK	2402	DH5	2410MHz~10000MHz	-44.28	Pass
GFSK	2402	DH5	Band Edge	-50.04	Pass
GFSK	2441	DH5	0.009MHz~2300MHz	-44.06	Pass
GFSK	2441	DH5	10000MHz~25000MHz	-50.33	Pass
GFSK	2441	DH5	2500MHz~10000MHz	-43.92	Pass
GFSK	2441	DH5	Band Edge	-48.23	Pass
GFSK	2480	DH5	0.009MHz~2475MHz	-49.17	Pass
GFSK	2480	DH5	10000MHz~25000MHz	-51.54	Pass
GFSK	2480	DH5	2505MHz~10000MHz	-44.15	Pass
GFSK	2480	DH5	Band Edge	-55.71	Pass
DQPSK	2402	2DH5	0.009MHz~2380MHz	-54.19	Pass
DQPSK	2402	2DH5	10000MHz~25000MHz	-51.38	Pass
DQPSK	2402	2DH5	2410MHz~10000MHz	-46.87	Pass
DQPSK	2402	2DH5	Band Edge	-48.89	Pass
DQPSK	2441	2DH5	0.009MHz~2300MHz	-53.22	Pass
DQPSK	2441	2DH5	10000MHz~25000MHz	-50.95	Pass
DQPSK	2441	2DH5	2500MHz~10000MHz	-47.45	Pass
DQPSK	2441	2DH5	Band Edge	-50.89	Pass
DQPSK	2480	2DH5	0.009MHz~2475MHz	-52.24	Pass
DQPSK	2480	2DH5	10000MHz~25000MHz	-51.82	Pass
DQPSK	2480	2DH5	2505MHz~10000MHz	-47.96	Pass
DQPSK	2480	2DH5	Band Edge	-56.52	Pass
8DPSK	2402	3DH5	0.009MHz~2380MHz	-53.80	Pass

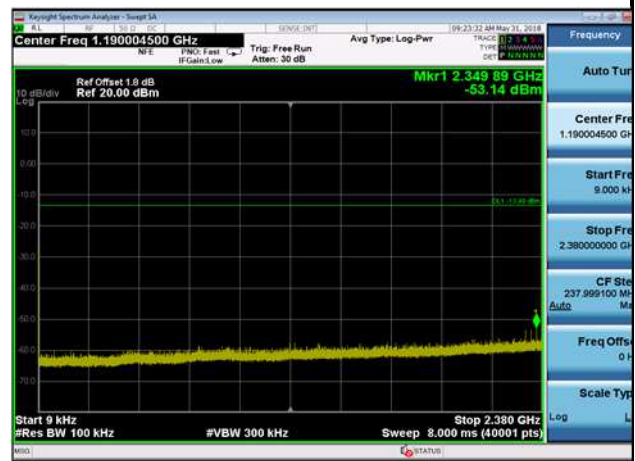
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8DPSK	2402	3DH5	10000MHz~25000MHz	-50.46	Pass
8DPSK	2402	3DH5	2410MHz~10000MHz	-46.88	Pass
8DPSK	2402	3DH5	Band Edge	-48.35	Pass
8DPSK	2441	3DH5	0.009MHz~2300MHz	-53.70	Pass
8DPSK	2441	3DH5	10000MHz~25000MHz	-51.21	Pass
8DPSK	2441	3DH5	2500MHz~10000MHz	-45.30	Pass
8DPSK	2441	3DH5	Band Edge	-50.45	Pass
8DPSK	2480	3DH5	0.009MHz~2475MHz	-52.48	Pass
8DPSK	2480	3DH5	10000MHz~25000MHz	-50.74	Pass
8DPSK	2480	3DH5	2505MHz~10000MHz	-46.01	Pass
8DPSK	2480	3DH5	Band Edge	-54.75	Pass

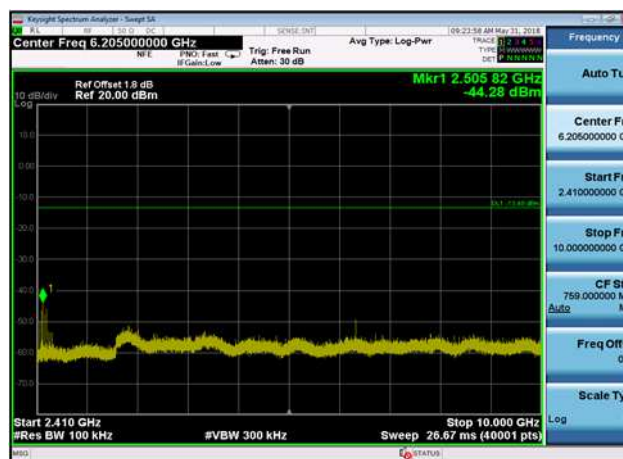
GFSK,2402MHz,DH5,Plot 1,Band Edge



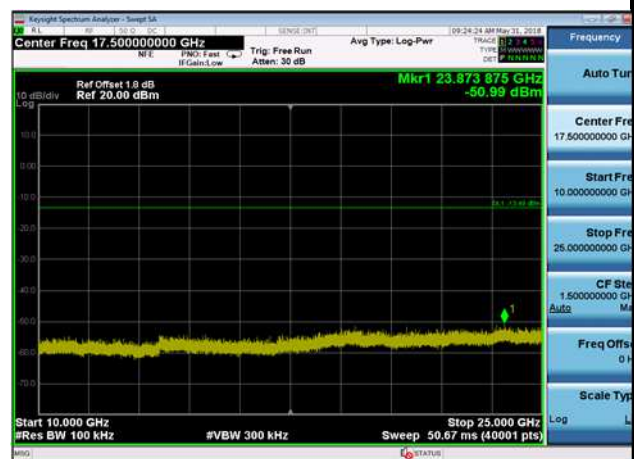
GFSK,2402MHz,DH5,Plot 2,0.009MHz~2380 MHz



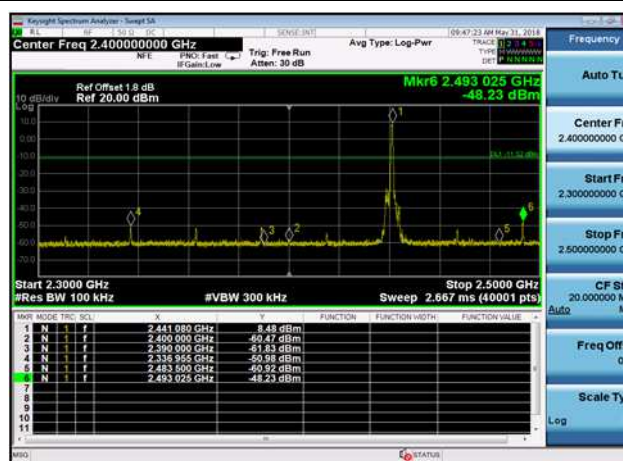
GFSK,2402MHz,DH5,Plot 3,2410MHz~10000 MHz



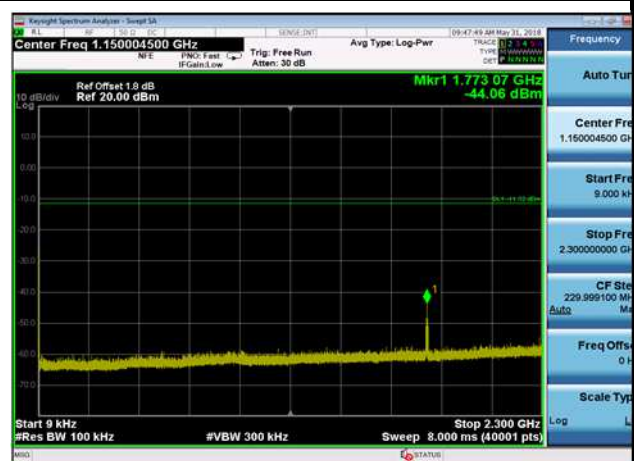
GFSK,2402MHz,DH5,Plot 4,10000MHz~25000 MHz



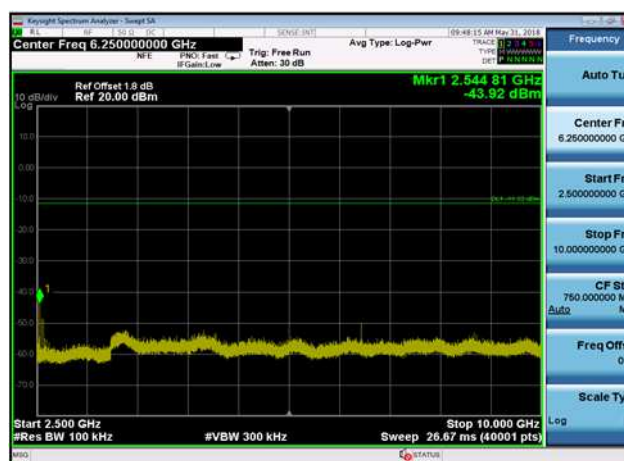
GFSK,2441MHz,DH5,Plot 1,Band Edge



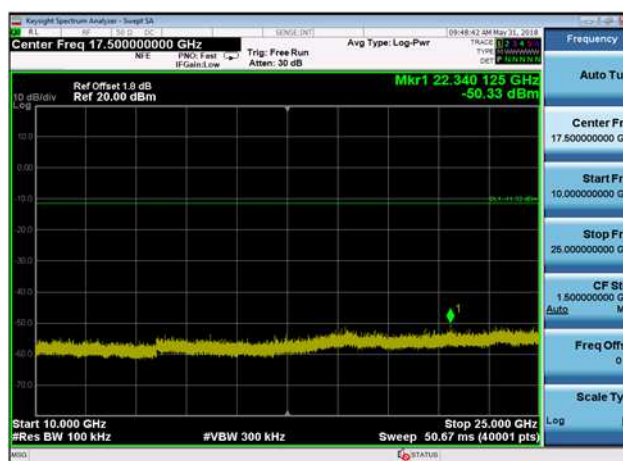
GFSK,2441MHz,DH5,Plot 2,0.009MHz~2300 MHz



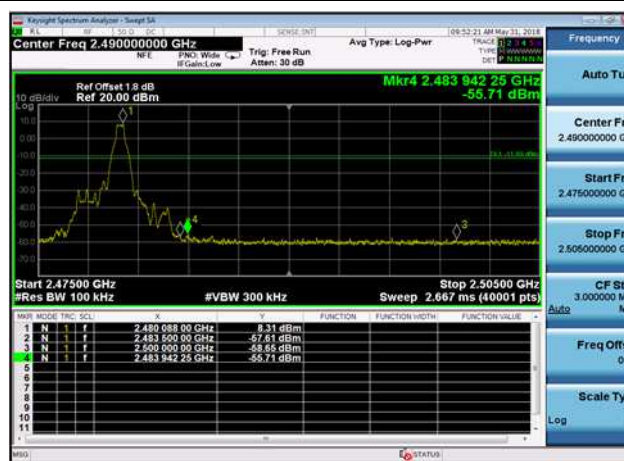
GFSK,2441MHz,DH5,Plot 3,2500MHz~10000
MHz



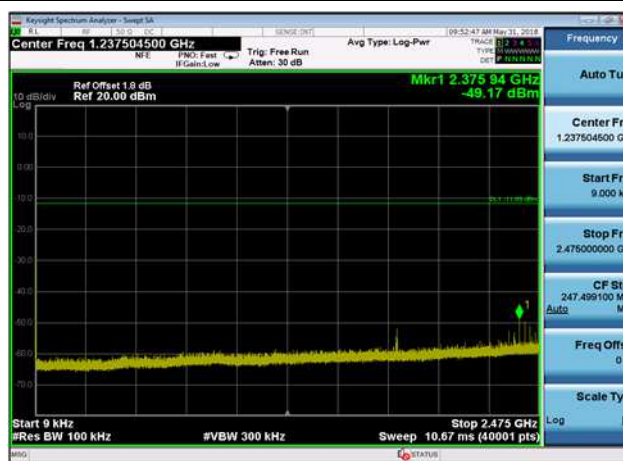
GFSK,2441MHz,DH5,Plot 4,10000MHz~2500
0MHz



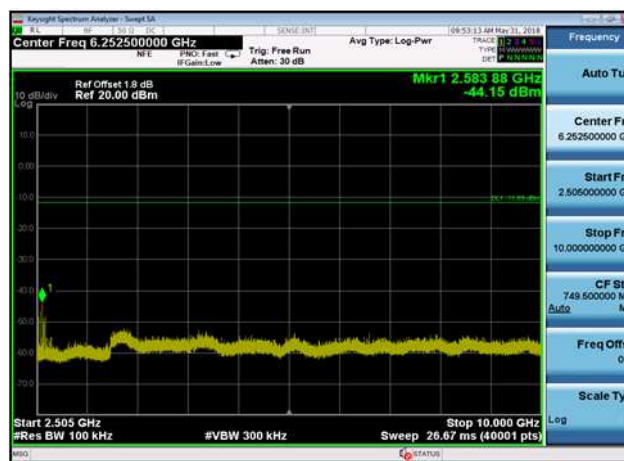
GFSK,2480MHz,DH5,Plot 1,Band Edge



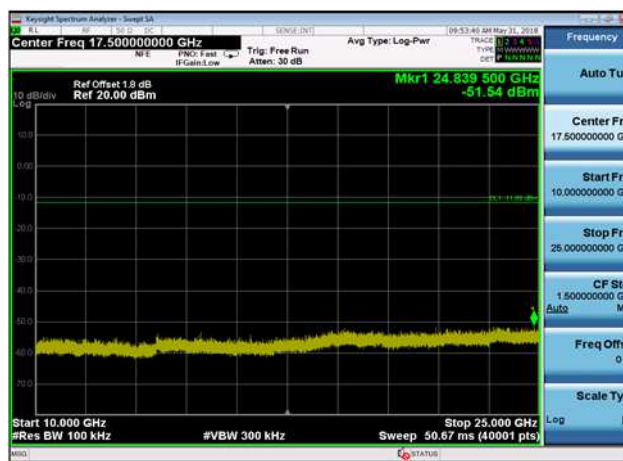
GFSK,2480MHz,DH5,Plot 2,0.009MHz~2475
MHz



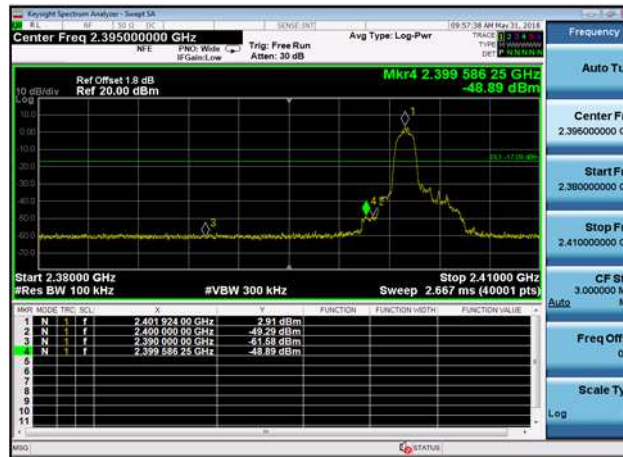
GFSK,2480MHz,DH5,Plot 3,2505MHz~10000
MHz



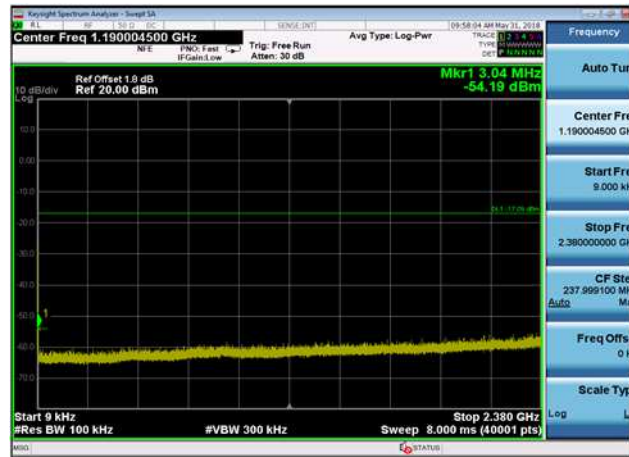
GFSK,2480MHz,DH5,Plot 4,10000MHz~2500
0MHz



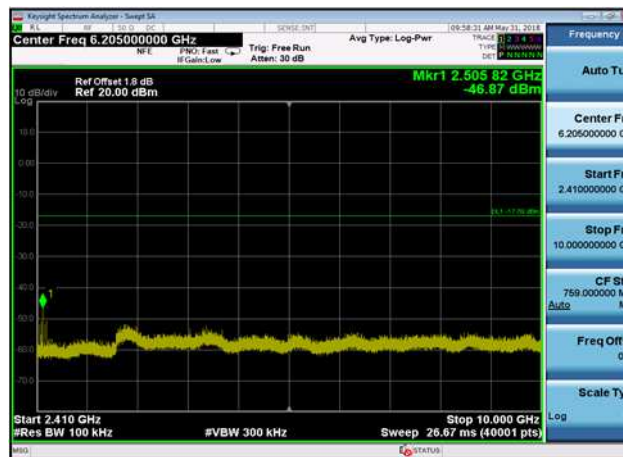
DQPSK,2402MHz,2DH5,Plot 1,Band
Edge



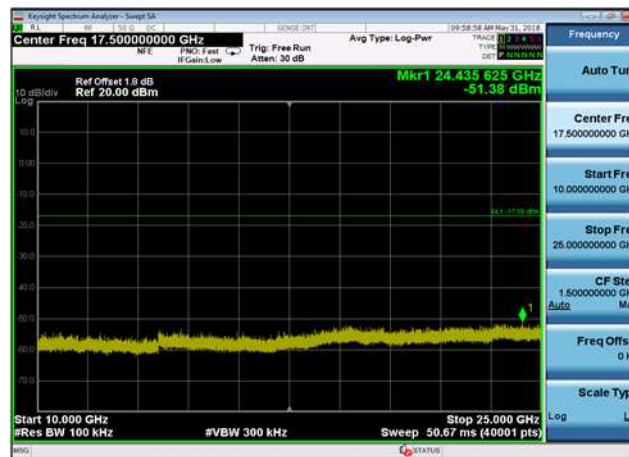
DQPSK,2402MHz,2DH5,Plot 2,0.009MHz~23
80MHz



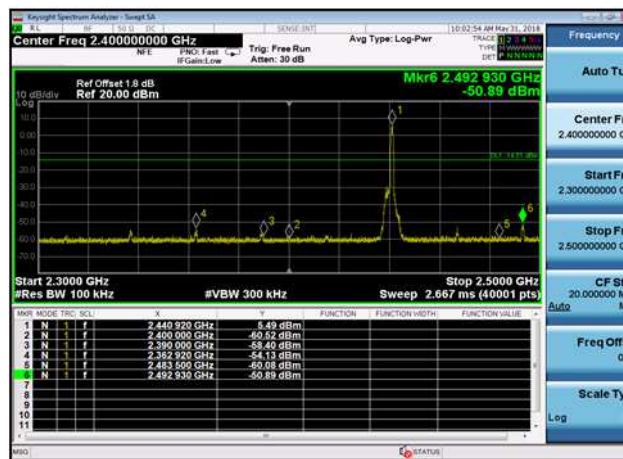
DQPSK,2402MHz,2DH5,Plot 3,2410MHz~100
00MHz



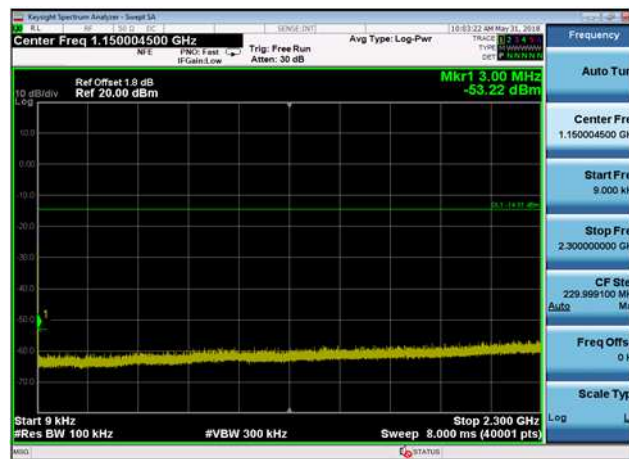
DQPSK,2402MHz,2DH5,Plot 4,10000MHz~25
000MHz



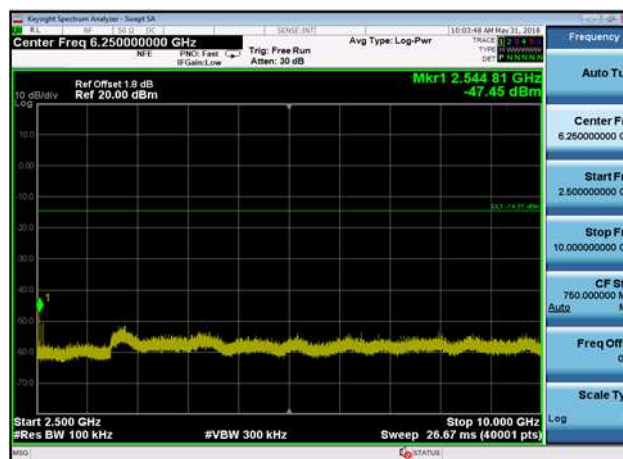
DQPSK,2441MHz,2DH5,Plot 1,Band
Edge



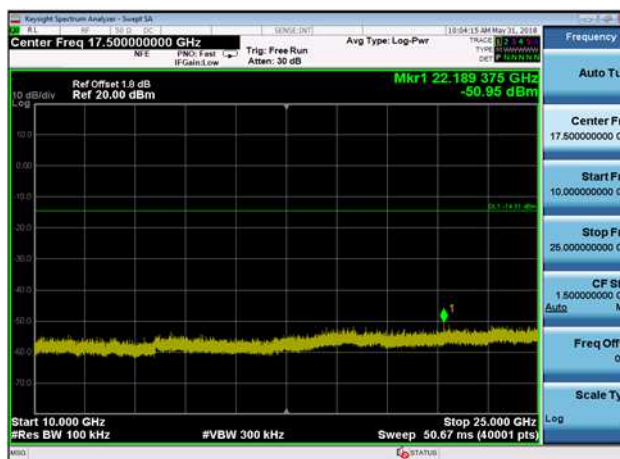
DQPSK,2441MHz,2DH5,Plot 2,0.009MHz~23
00MHz



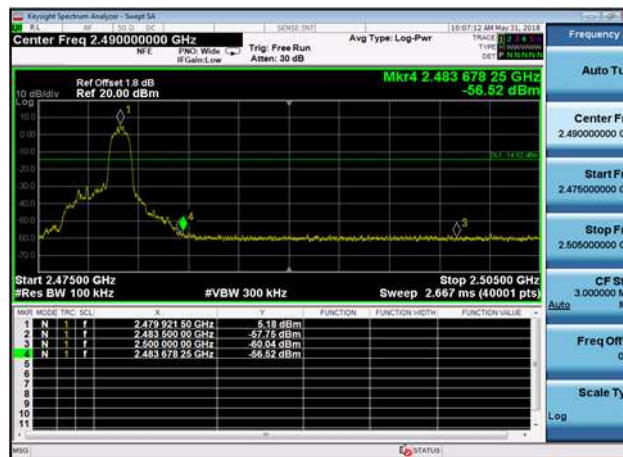
DQPSK,2441MHz,2DH5,Plot 3,2500MHz~100
00MHz



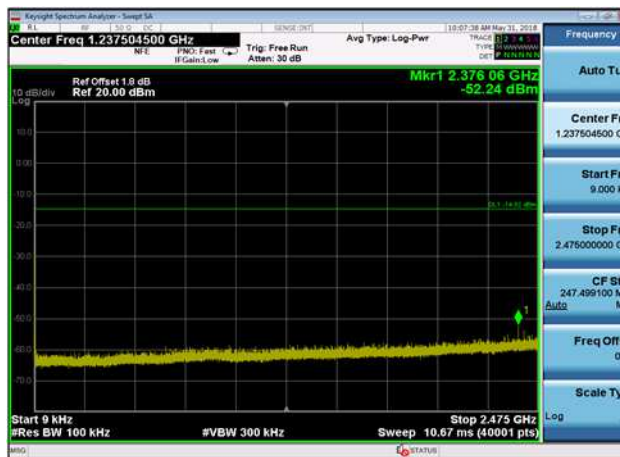
DQPSK,2441MHz,2DH5,Plot 4,10000MHz~25
00MHz



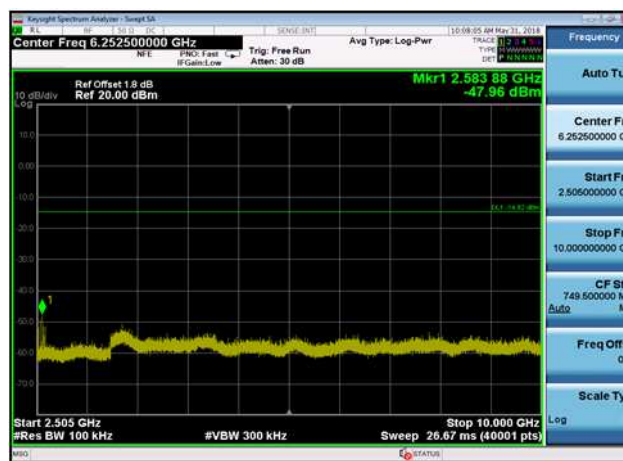
DQPSK,2480MHz,2DH5,Plot 1,Band
Edge



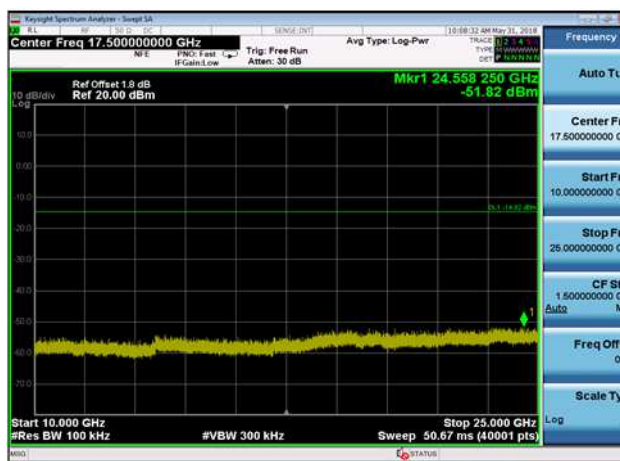
DQPSK,2480MHz,2DH5,Plot 2,0.009MHz~24
75MHz



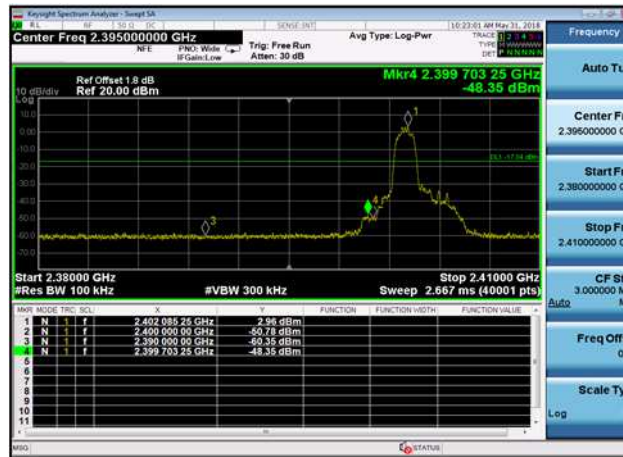
DQPSK,2480MHz,2DH5,Plot 3,2505MHz~100
00MHz



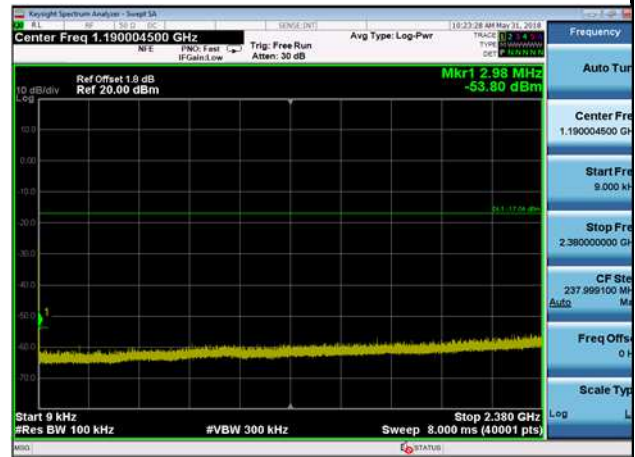
DQPSK,2480MHz,2DH5,Plot 4,10000MHz~25
00MHz



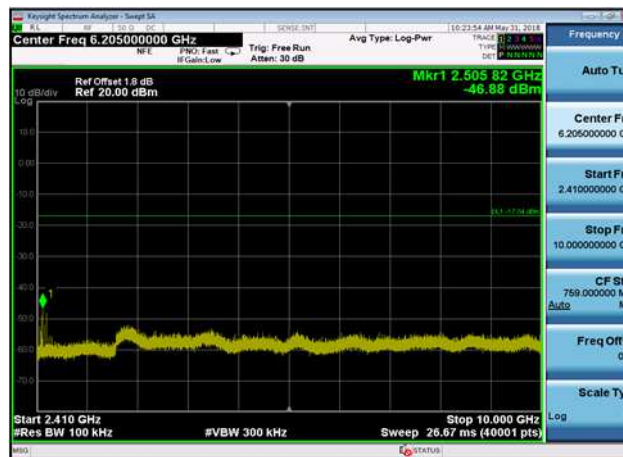
8DPSK,2402MHz,3DH5,Plot 1,Band
Edge



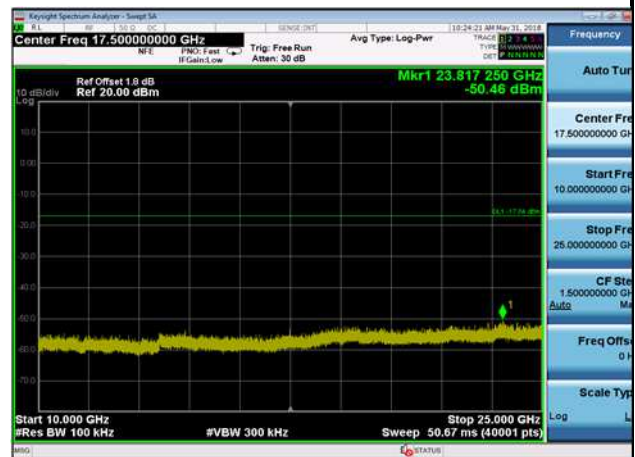
8DPSK,2402MHz,3DH5,Plot 2,0.009MHz~23
80MHz



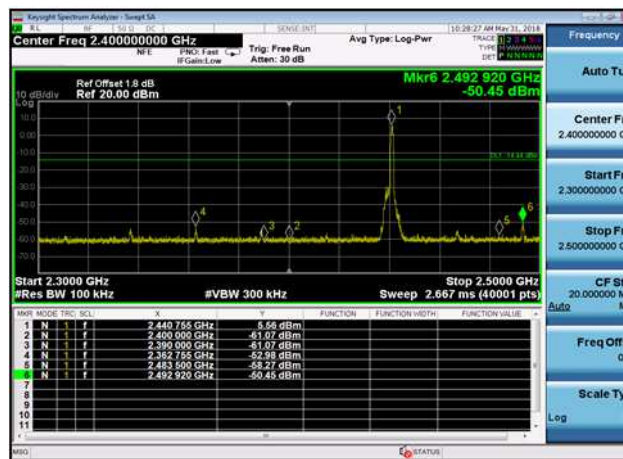
8DPSK,2402MHz,3DH5,Plot 3,2410MHz~100
00MHz



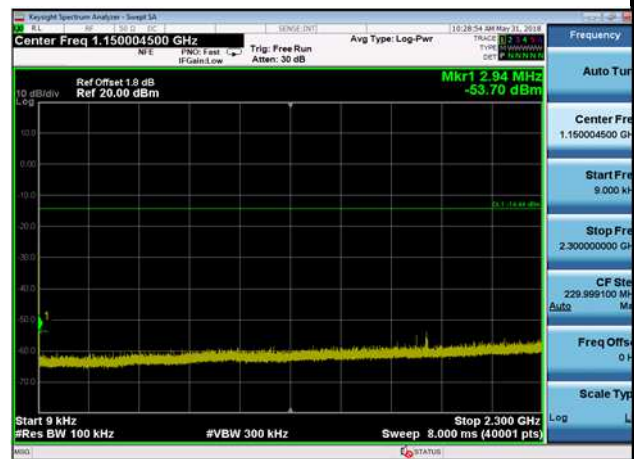
8DPSK,2402MHz,3DH5,Plot 4,10000MHz~25
00MHz



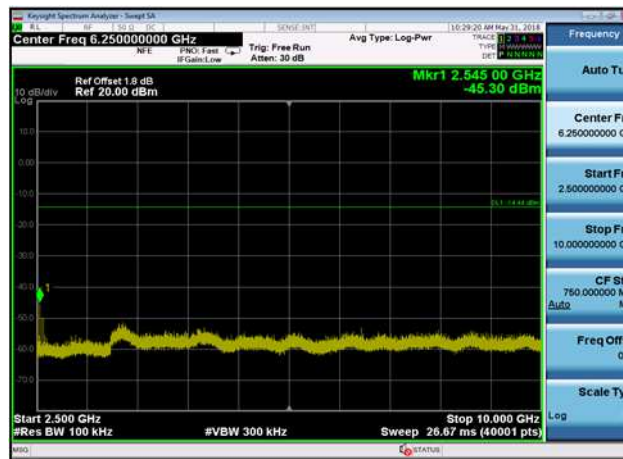
8DPSK,2441MHz,3DH5,Plot 1,Band
Edge



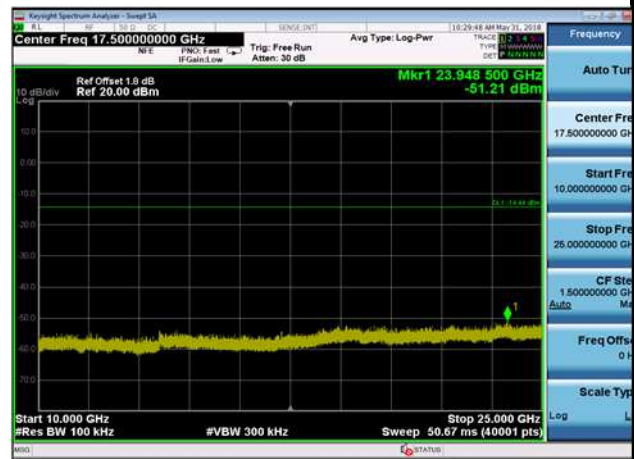
8DPSK,2441MHz,3DH5,Plot 2,0.009MHz~23
00MHz



8DPSK,2441MHz,3DH5,Plot 3,2500MHz~10000MHz



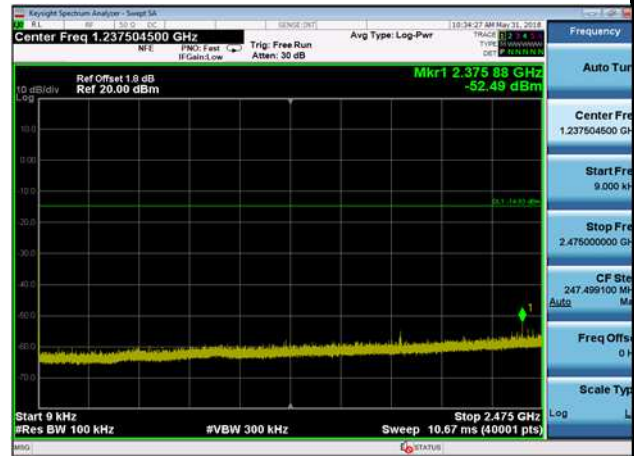
8DPSK,2441MHz,3DH5,Plot 4,10000MHz~25000MHz



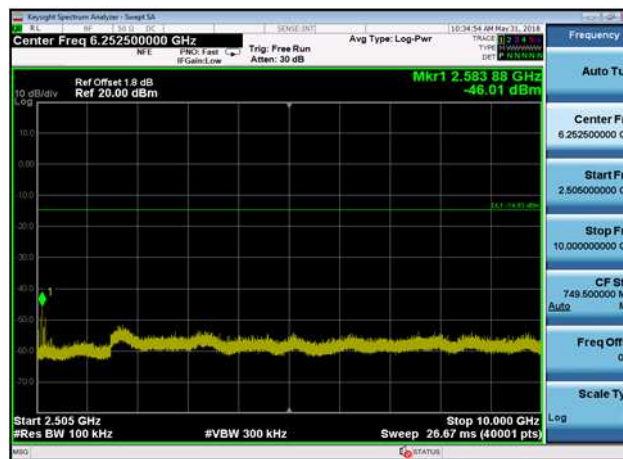
8DPSK,2480MHz,3DH5,Plot 1,Band Edge



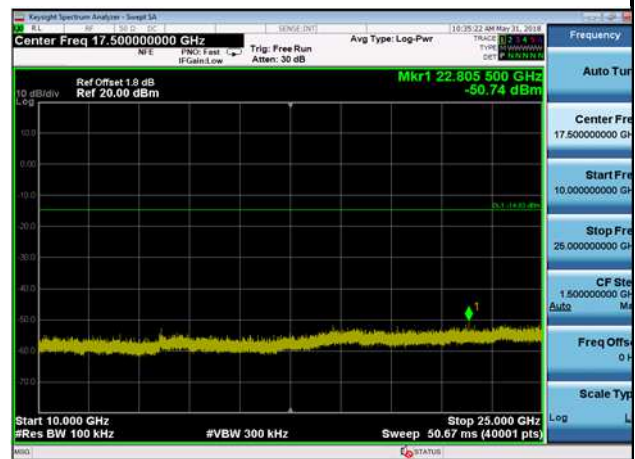
8DPSK,2480MHz,3DH5,Plot 2,0.009MHz~2475MHz



8DPSK,2480MHz,3DH5,Plot 3,2505MHz~10000MHz



8DPSK,2480MHz,3DH5,Plot 4,10000MHz~25000MHz

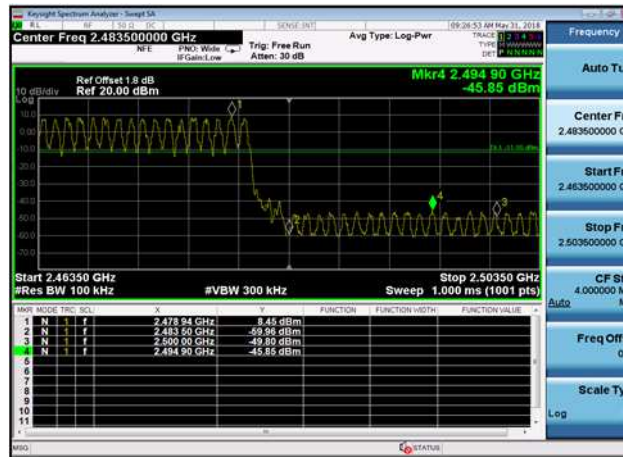


A.5 Frequency Band Edge (Hopping Mode)

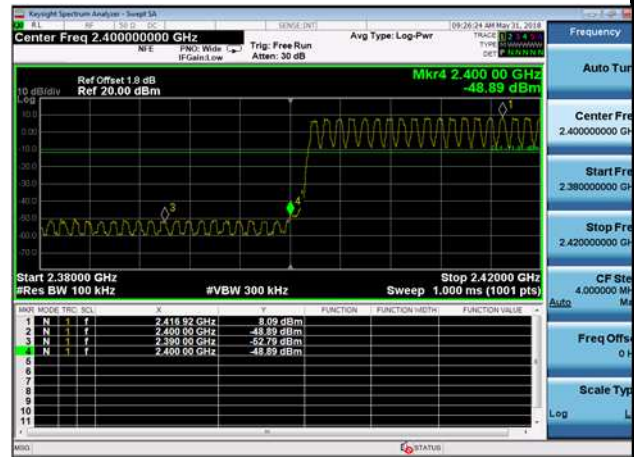
A.5.1 Test Result and Data

BT Frequency Band Edges-Conducted						
Mode	Test Range (MHz)	Packet Type	Hopping Mode	Band Edge (dBm)	Limit	Result
GFSK	2380~2420	DH5	Hopping On	-48.89	-11.91	Pass
GFSK	2463.5~2503.5	DH5	Hopping On	-45.85	-11.554	Pass
DQPSK	2380~2420	2DH5	Hopping On	-49.57	-15.157	Pass
DQPSK	2463.5~2503.5	2DH5	Hopping On	-47.70	-14.787	Pass
8DPSK	2380~2420	3DH5	Hopping On	-49.03	-15.062	Pass
8DPSK	2463.5~2503.5	3DH5	Hopping On	-47.97	-14.777	Pass

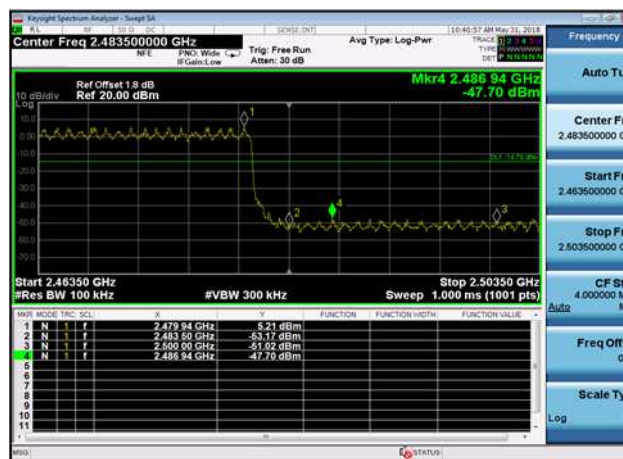
GFSK,Hopping,DH5,Band Edge HighRange



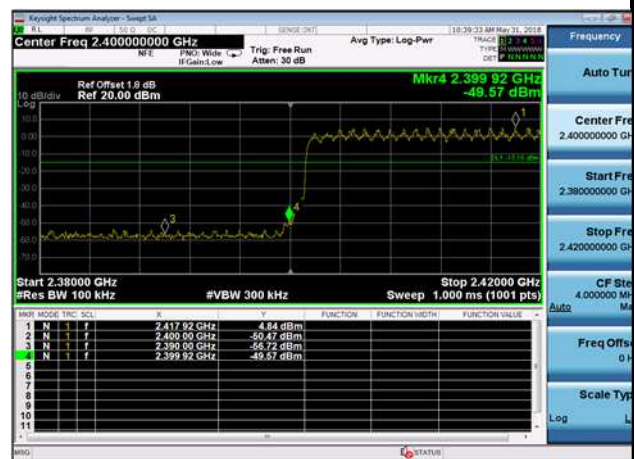
GFSK,Hopping,DH5,Band Edge LowRange



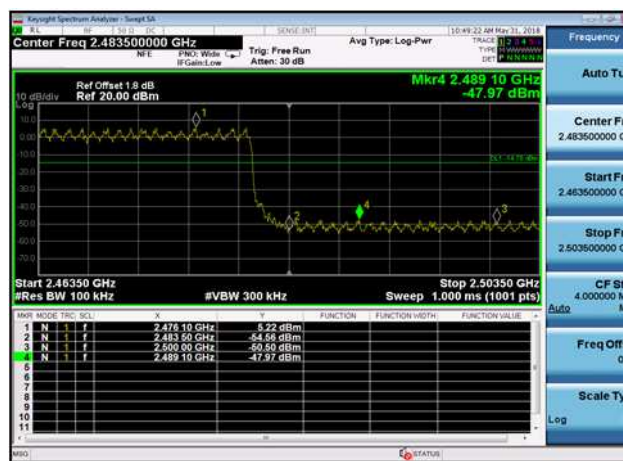
DQPSK,Hopping,2DH5,Band Edge HighRange



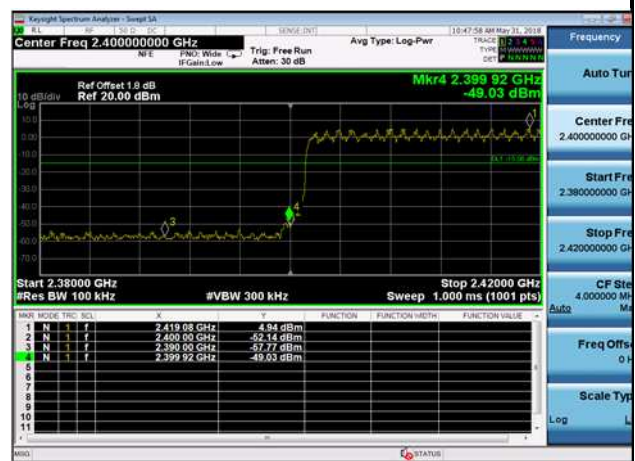
DQPSK,Hopping,2DH5,Band Edge LowRange



8DPSK,Hopping,3DH5,Band Edge HighRange



8DPSK,Hopping,3DH5,Band Edge LowRange

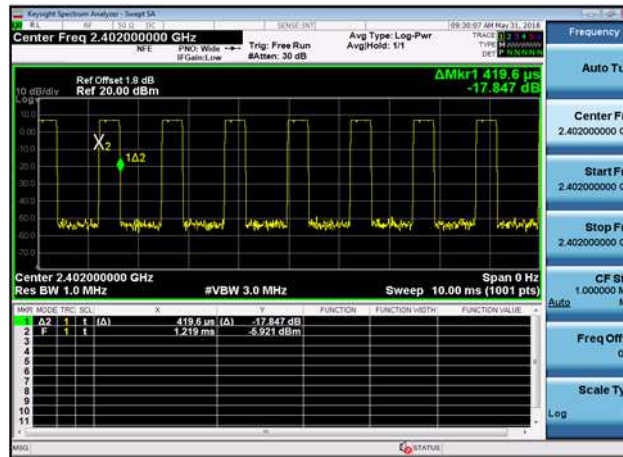


A.6 Dwell Time

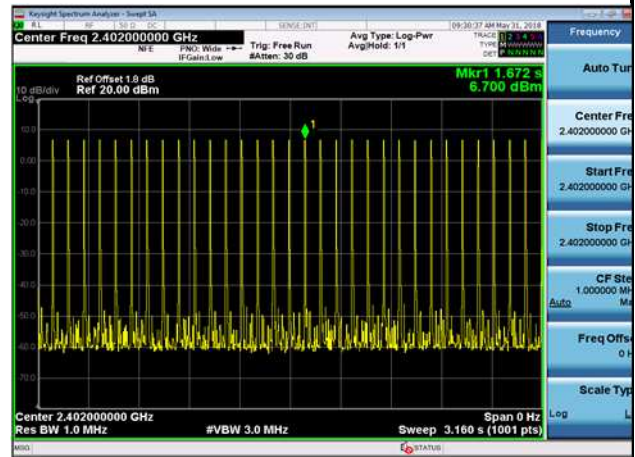
A.6.1 Test Result and Data

BT Dwell Time						
Mode	Test Frequency (MHz)	Packet Type	Transmission Time (ms)	Number	Dwell Time (ms)	Result
GFSK	2402	DH1	0.420	320	134.27	Pass
GFSK	2402	DH3	1.668	160	266.93	Pass
GFSK	2402	DH5	2.917	110	320.88	Pass

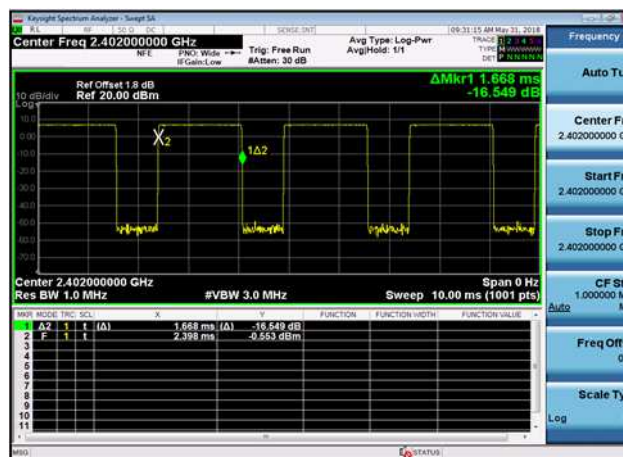
GFSK,2402,DH1,Transmission Time



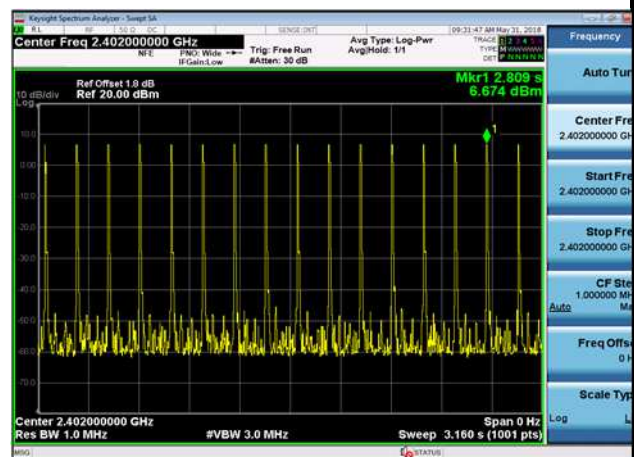
GFSK,2402,DH1,Transmission Number



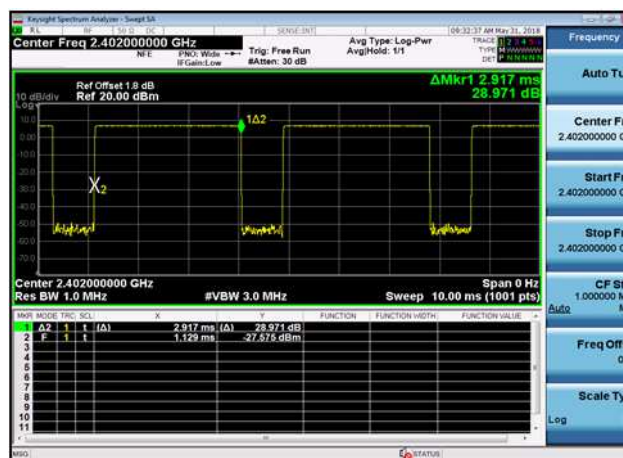
GFSK,2402,DH3,Transmission Time



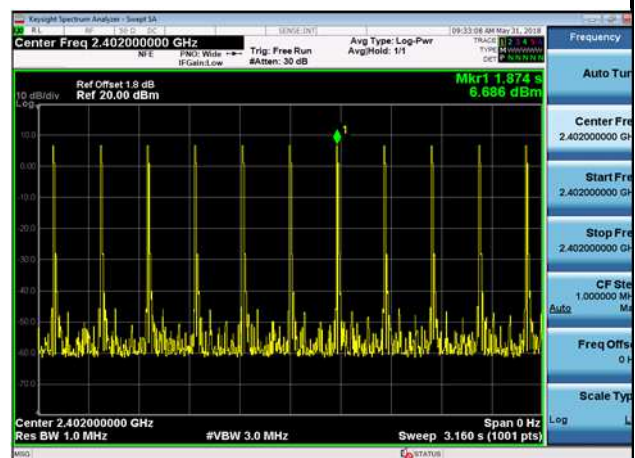
GFSK,2402,DH3,Transmission Number



GFSK,2402,DH5,Transmission Time



GFSK,2402,DH5,Transmission Number



A.7 Carrier Frequency Separation

A.2.1 Test Result and Data

BT Carrier Frequency Separation					
Mode	Test Frequency (MHz)	Packet Type	Range	Separation (kHz)	Result
GFSK	Hopping	DH5	2401.5MHz~2403.5MHz	917	Pass
DQPSK	Hopping	2DH5	2401.5MHz~2403.5MHz	1159	Pass
8DPSK	Hopping	3DH5	2401.5MHz~2403.5MHz	1003	Pass



8DPSK,Hopping,3DH5,2401.5~2403.5MHz



8DPSK,Hopping,3DH5,2440.5~2442.5MHz



8DPSK,Hopping,3DH5,2478.5~2480.5MHz



A.8 Hopping Channel Numbers

A.2.2 Test Result and Data

BT Number Of Hopping Channels				
Mode	Test Frequency	Packet Type	Test Range	Result
GFSK	Hopping	DH5	2400MHz~2483.5MHz	Pass
GFSK	Hopping	DH5	2400MHz~2426.5MHz	Pass
GFSK	Hopping	DH5	2426.5MHz~2454.5MHz	Pass
GFSK	Hopping	DH5	2454.5MHz~2483.5MHz	Pass

