

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	0.44	Pass
GFSK	2441	DH5	0.22	Pass
GFSK	2480	DH5	0.14	Pass
DQPSK	2402	2DH5	0.35	Pass
DQPSK	2441	2DH5	0.10	Pass
DQPSK	2480	2DH5	0.03	Pass
8DPSK	2402	3DH5	0.36	Pass
8DPSK	2441	3DH5	0.11	Pass
8DPSK	2480	3DH5	0.02	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



1.2 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	1035.7	Pass
GFSK	2441	DH5	1043.2	Pass
GFSK	2480	DH5	1025.5	Pass
DQPSK	2402	2DH5	1363.1	Pass
DQPSK	2441	2DH5	1364.8	Pass
DQPSK	2480	2DH5	1341.8	Pass
8DPSK	2402	3DH5	1384.9	Pass
8DPSK	2441	3DH5	1364.1	Pass
8DPSK	2480	3DH5	1351.4	Pass

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5

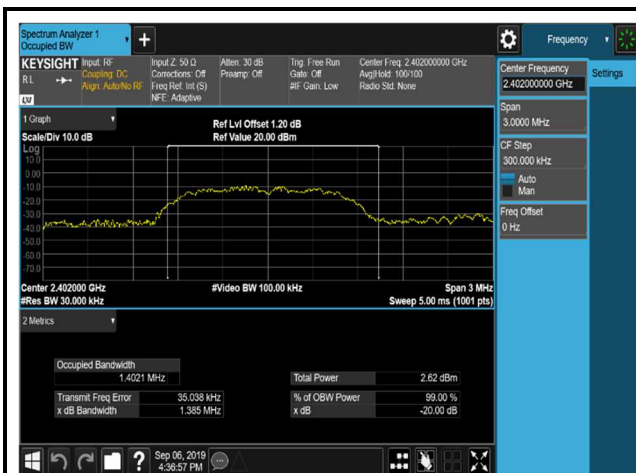


DQPSK,2480MHz,2DH5

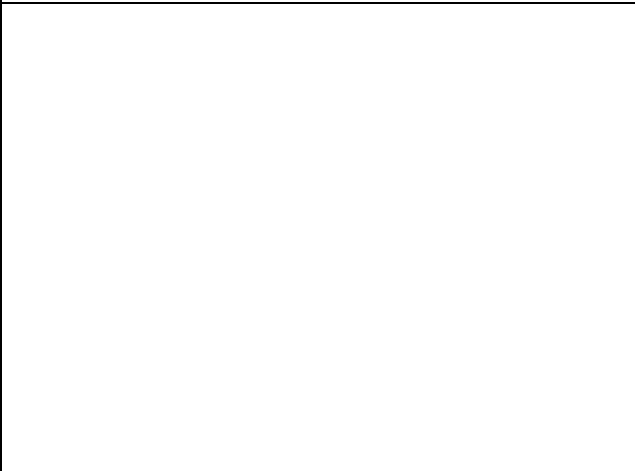
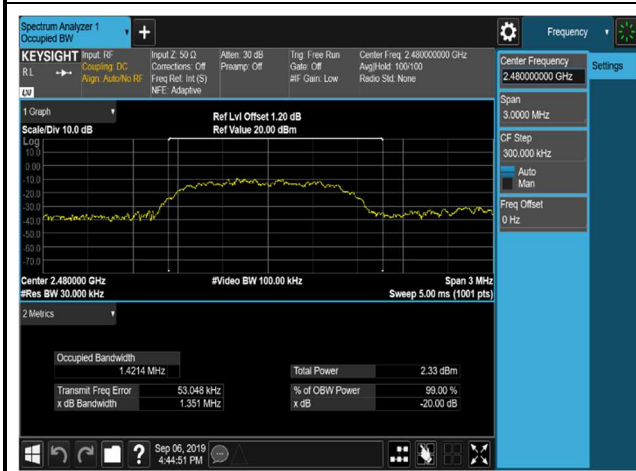


8DPSK,2402MHz,3DH5

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	942.09	Pass
GFSK	2441	DH5	947.65	Pass
GFSK	2480	DH5	948.54	Pass
DQPSK	2402	2DH5	1433.66	Pass
DQPSK	2441	2DH5	1314.35	Pass
DQPSK	2480	2DH5	1434.25	Pass
8DPSK	2402	3DH5	1373.90	Pass
8DPSK	2441	3DH5	1335.06	Pass
8DPSK	2480	3DH5	1415.41	Pass

GFSK,2402MHz,DH5



GFSK,2441MHz,DH5



GFSK,2480MHz,DH5



DQPSK,2402MHz,2DH5



DQPSK,2441MHz,2DH5

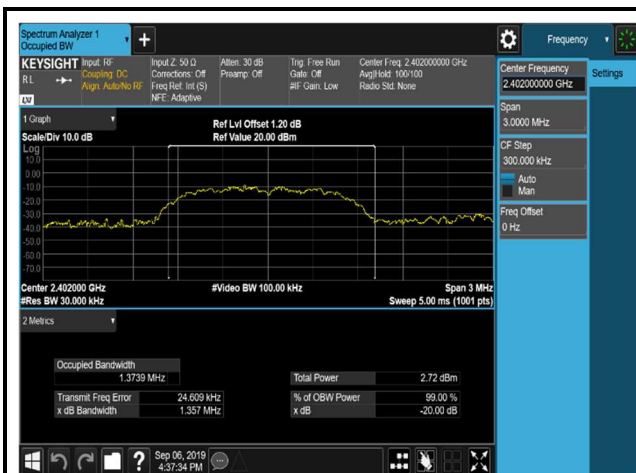


DQPSK,2480MHz,2DH5

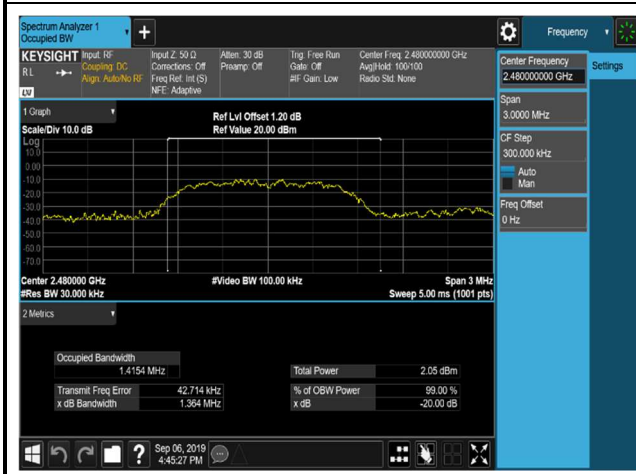


8DPSK,2402MHz,3DH5

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	-53.33	Pass
GFSK	2402	DH5	10000MHz~25000MHz	-49.70	Pass
GFSK	2402	DH5	2410MHz~10000MHz	-49.37	Pass
GFSK	2402	DH5	Band Edge	-44.58	Pass
GFSK	2441	DH5	0.009MHz~2300MHz	-57.58	Pass
GFSK	2441	DH5	10000MHz~25000MHz	-49.83	Pass
GFSK	2441	DH5	2500MHz~10000MHz	-49.07	Pass
GFSK	2441	DH5	Band Edge	-54.60	Pass
GFSK	2480	DH5	0.009MHz~2475MHz	-52.67	Pass
GFSK	2480	DH5	10000MHz~25000MHz	-50.01	Pass
GFSK	2480	DH5	2505MHz~10000MHz	-48.71	Pass
GFSK	2480	DH5	Band Edge	-44.54	Pass
DQPSK	2402	2DH5	0.009MHz~2380MHz	-52.94	Pass
DQPSK	2402	2DH5	10000MHz~25000MHz	-49.32	Pass
DQPSK	2402	2DH5	2410MHz~10000MHz	-38.06	Pass
DQPSK	2402	2DH5	Band Edge	-27.72	Pass
DQPSK	2441	2DH5	0.009MHz~2300MHz	-57.75	Pass
DQPSK	2441	2DH5	10000MHz~25000MHz	-49.31	Pass
DQPSK	2441	2DH5	2500MHz~10000MHz	-46.93	Pass
DQPSK	2441	2DH5	Band Edge	-54.35	Pass
DQPSK	2480	2DH5	0.009MHz~2475MHz	-36.44	Pass
DQPSK	2480	2DH5	10000MHz~25000MHz	-49.70	Pass
DQPSK	2480	2DH5	2505MHz~10000MHz	-47.16	Pass
DQPSK	2480	2DH5	Band Edge	-35.53	Pass
8DPSK	2402	3DH5	0.009MHz~2380MHz	-52.79	Pass
8DPSK	2402	3DH5	10000MHz~25000MHz	-49.73	Pass
8DPSK	2402	3DH5	2410MHz~10000MHz	-46.32	Pass
8DPSK	2402	3DH5	Band Edge	-27.50	Pass
8DPSK	2441	3DH5	0.009MHz~2300MHz	-56.30	Pass

8DPSK	2441	3DH5	10000MHz~25000MHz	-50.08	Pass
8DPSK	2441	3DH5	2500MHz~10000MHz	-47.00	Pass
8DPSK	2441	3DH5	Band Edge	-54.20	Pass
8DPSK	2480	3DH5	0.009MHz~2475MHz	-45.26	Pass
8DPSK	2480	3DH5	10000MHz~25000MHz	-50.39	Pass
8DPSK	2480	3DH5	2505MHz~10000MHz	-41.56	Pass
8DPSK	2480	3DH5	Band Edge	-37.72	Pass

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



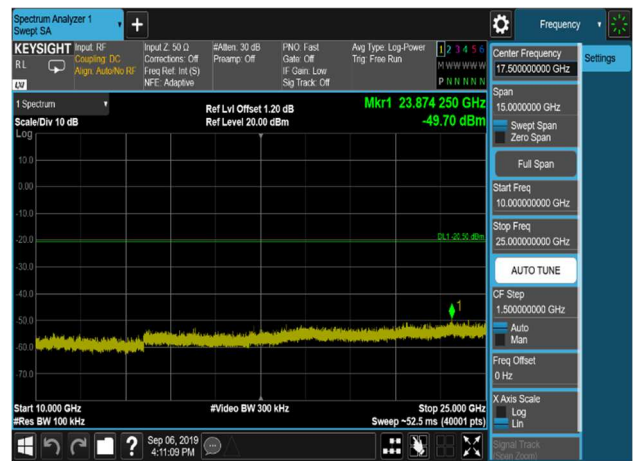
GFSK,2402MHz,DH5,Plot 2,0.009MHz~2380 MHz



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

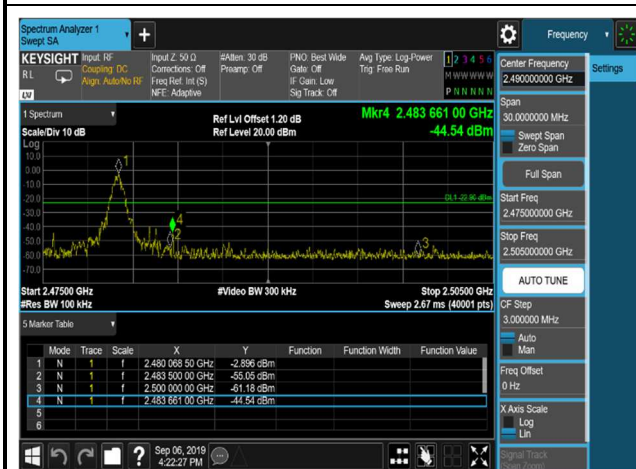
GFSK,2441MHz,DH5,Plot 4,10000MHz~25000 MHz



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



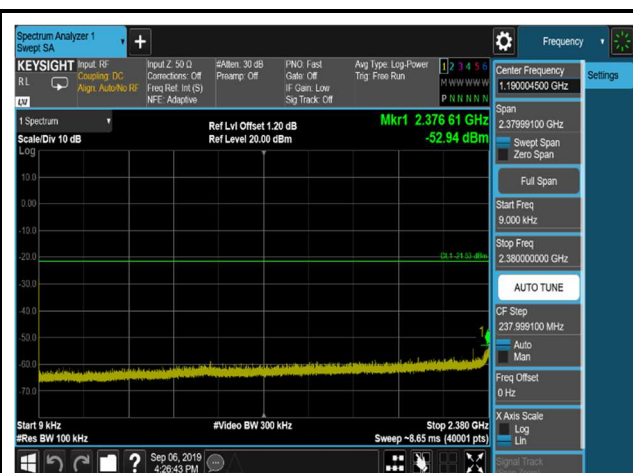
DQPSK,2402MHz,2DH5,Plot 1,Band Edge



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



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



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



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



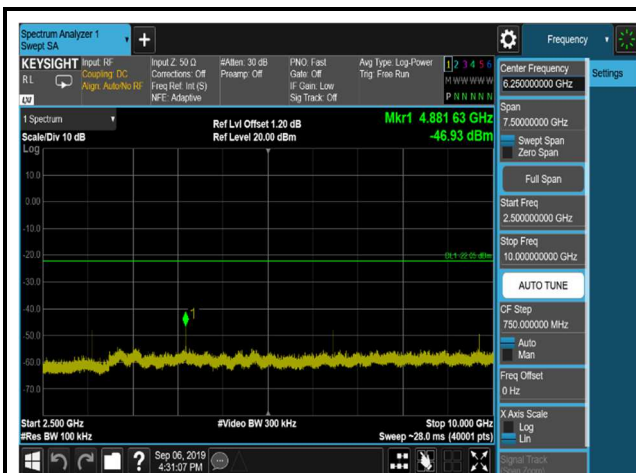
DQPSK,2441MHz,2DH5,Plot 2,0.009MHz~23000MHz



DQPSK,2441MHz,2DH5,Plot 3,2500MHz~10000MHz



DQPSK,2441MHz,2DH5,Plot 4,10000MHz~25000MHz



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
000MHz



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



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



8DPSK,2402MHz,3DH5,Plot 3,2410MHz~10000MHz



8DPSK,2402MHz,3DH5,Plot 4,10000MHz~25000MHz



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



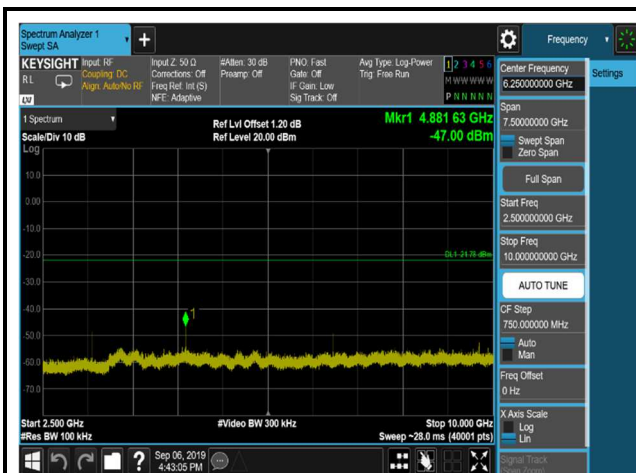
8DPSK,2441MHz,3DH5,Plot 2,0.009MHz~23000MHz



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~24
75MHz



8DPSK,2480MHz,3DH5,Plot 3,2505MHz~100
00MHz



8DPSK,2480MHz,3DH5,Plot 4,10000MHz~25
000MHz



1.5 Frequency Band Edge

1.5.1 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	-36.26	-20.337	Pass
GFSK	2463.5~2503.5	DH5	Hopping On	-43.92	-20.446	Pass
DQPSK	2380~2420	2DH5	Hopping On	-29.04	-21.646	Pass
DQPSK	2463.5~2503.5	2DH5	Hopping On	-39.86	-21.74	Pass
8DPSK	2380~2420	3DH5	Hopping On	-27.32	-21.412	Pass
8DPSK	2463.5~2503.5	3DH5	Hopping On	-34.27	-20.537	Pass