

Appendix A. Test Data

Maximum Conducted Output Power Measurement								
Mode	Frequency (MHz)	Packet Type	Average Power		Peak Power		Power Limit	RF Power setting in Test Software
			dBm	W	dBm	W	W	
BT_GFSK	2402	DH1	11.31	0.01352	11.43	0.01390	<0.125	9.00
		DH3	11.35	0.01365	11.49	0.01409	<0.125	9.00
		DH5	11.39	0.01377	11.52	0.01419	<0.125	9.00
	2441	DH1	11.63	0.01455	11.80	0.01514	<0.125	9.00
		DH3	11.69	0.01476	11.83	0.01524	<0.125	9.00
		DH5	11.73	0.01489	11.87	0.01538	<0.125	9.00
	2480	DH1	11.15	0.01303	11.24	0.01330	<0.125	9.00
		DH3	11.18	0.01312	11.28	0.01343	<0.125	9.00
		DH5	11.20	0.01318	11.33	0.01358	<0.125	9.00
BT_π/4-DQPSK	2402	2DH1	8.09	0.00644	10.69	0.01172	<0.125	9.00
		2DH3	8.13	0.00650	10.71	0.01178	<0.125	9.00
		2DH5	8.16	0.00655	10.77	0.01194	<0.125	9.00
	2441	2DH1	8.41	0.00693	10.84	0.01213	<0.125	9.00
		2DH3	8.46	0.00701	10.86	0.01219	<0.125	9.00
		2DH5	8.49	0.00706	10.91	0.01233	<0.125	9.00
	2480	2DH1	7.85	0.00610	10.28	0.01067	<0.125	9.00
		2DH3	7.87	0.00612	10.45	0.01109	<0.125	9.00
		2DH5	7.97	0.00627	10.48	0.01117	<0.125	9.00
BT_8DPSK	2402	3DH1	8.13	0.00650	11.09	0.01285	<0.125	9.00
		3DH3	8.20	0.00661	11.12	0.01294	<0.125	9.00
		3DH5	8.22	0.00664	11.19	0.01315	<0.125	9.00
	2441	3DH1	8.44	0.00698	11.27	0.01340	<0.125	9.00
		3DH3	8.49	0.00706	11.30	0.01349	<0.125	9.00
		3DH5	8.52	0.00711	11.38	0.01374	<0.125	9.00
	2480	3DH1	8.13	0.00650	10.80	0.01202	<0.125	9.00
		3DH3	8.17	0.00656	10.82	0.01208	<0.125	9.00
		3DH5	8.22	0.00664	10.88	0.01225	<0.125	9.00

Note: The relevant measured result has the offset with cable loss already.

20 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement			
Mode	Frequency (MHz)	20 dB RF Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
BT_GFSK	2402	0.954	0.851
	2441	0.956	0.854
	2480	0.958	0.855
BT_8DPSK	2402	1.313	1.187
	2441	1.312	1.188
	2480	1.314	1.191

Carrier Frequency Separation Measurement			
Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.012	≥ 0.636
	2441	1.014	≥ 0.637
	2480	1.302	≥ 0.639
BT_8DPSK	2402	0.912	≥ 0.875
	2441	1.110	≥ 0.875
	2480	1.126	≥ 0.876

Time of Occupancy (Dwell Time) Measurement		
Mode	Average Time of Occupancy (Dwell Time) Measurement	
	DH1	
BT_GFSK	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108 \text{ (times)}$
	Each Channel Dwell Times (2)	0.4224 ms
	Dwell Times on Cycle (1) * (2)	135.214 ms
	Limit (msec)	≤ 400
	DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896 \text{ (times)}$
	Each Channel Dwell Times (2)	1.692 ms
	Dwell Times on Cycle (1) * (2)	270.544 ms
	Limit (msec)	≤ 400
	DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808 \text{ (times)}$
	Each Channel Dwell Times (2)	2.962 ms
	Dwell Times on Cycle (1) * (2)	316.365 ms
	Limit (msec)	≤ 400

Mode	Average Time of Occupancy (Dwell Time) Measurement	
	3DH1	
BT_8DPSK	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$800/79CH = 10.13 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 10.13 = 320.108 \text{ (times)}$
	Each Channel Dwell Times (2)	0.4107 ms
	Dwell Times on Cycle (1) * (2)	131.468 ms
	Limit (msec)	≤ 400
	3DH3	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$400/79CH = 5.06 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 5.06 = 159.896 \text{ (times)}$
	Each Channel Dwell Times (2)	1.692 ms
	Dwell Times on Cycle (1) * (2)	270.544 ms
	Limit (msec)	≤ 400
	3DH5	
	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	$266.7/79CH = 3.38 \text{ (times/sec)}$
	Each Channel Dwell Times on Cycle(1)	$31.6 * 3.38 = 106.808 \text{ (times)}$
	Each Channel Dwell Times (2)	2.945 ms
	Dwell Times on Cycle (1) * (2)	314.550 ms
	Limit (msec)	≤ 400