Appendix A. Test Data

Maximum Conducted Output Power Measurement									
Test Mode	Frequency (MHz)	Packet Type	Average Power		Peak Power		Power Limit	RF Power setting in Test Software	Test Software Version
			dBm	W	dBm	W	W		
BT_GFSK	2402	DH1	9.99	0.0100	10.60	0.01148	<0.125	Default	QRCT/4.0.209.0
		DH3	10.24	0.0106	10.61	0.01151	<0.125	Default	
		DH5	10.26	0.0106	10.63	0.01156	<0.125	Default	
	2441	DH1	11.26	0.0134	11.84	0.01528	<0.125	Default	
		DH3	11.44	0.0139	11.87	0.01538	<0.125	Default	
		DH5	11.48	0.0141	11.89	0.01545	<0.125	Default	
	2480	DH1	9.85	0.0097	10.48	0.01117	<0.125	Default	
		DH3	10.07	0.0102	10.50	0.01122	<0.125	Default	
		DH5	10.12	0.0103	10.52	0.01127	<0.125	Default	
BT_π/4-DQPSK	2402	2DH1	7.47	0.0056	10.02	0.01005	<0.125	Default	
		2DH3	7.53	0.0057	10.05	0.01012	<0.125	Default	
		2DH5	7.55	0.0057	10.08	0.01019	<0.125	Default	
	2441	2DH1	8.76	0.0075	11.47	0.01403	<0.125	Default	
		2DH3	8.77	0.0075	11.56	0.01432	<0.125	Default	
		2DH5	8.79	0.0076	11.65	0.01462	<0.125	Default	
	2480	2DH1	7.60	0.0058	10.09	0.01021	<0.125	Default	
		2DH3	7.69	0.0059	10.16	0.01038	<0.125	Default	
		2DH5	7.74	0.0059	10.20	0.01047	<0.125	Default	
BT_8DPSK	2402	3DH1	7.50	0.0056	10.16	0.01038	<0.125	Default	
		3DH3	7.57	0.0057	10.27	0.01064	<0.125	Default	
		3DH5	7.63	0.0058	10.36	0.01086	<0.125	Default	
	2441	3DH1	8.78	0.0075	11.58	0.01439	<0.125	Default	
		3DH3	8.79	0.0076	11.61	0.01449	<0.125	Default	
		3DH5	8.81	0.0076	11.67	0.01469	<0.125	Default	
	2480	3DH1	7.63	0.0058	10.34	0.01081	<0.125	Default	
		3DH3	7.70	0.0059	10.35	0.01084	<0.125	Default	
		3DH5	7.77	0.0060	10.36	0.01086	<0.125	Default	

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

20 dB Emission Bandwidth and 99 % Occupied Bandwidth Measurement			
Test Mode	Frequency (MHz)	20 dB RF Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
BT_GFSK	2402	0.9506	0.86129
	2441	0.9517	0.86395
	2480	0.9513	0.86150
BT_8DPSK	2402	1.300	1.1810
	2441	1.300	1.1804
	2480	1.302	1.1853

Carrier Frequency Separation Measurement			
Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.154	≧ 0.634
	2441	1.002	≧ 0.634
	2480	0.992	≧ 0.634
BT_8DPSK	2402	1.016	≧ 0.867
	2441	1.022	≧ 0.866
	2480	1.012	≧ 0.868

Time of Occupancy (Dwell Time) Measurement		
Test Mode	Average Time of Occupancy (Dwell Time) Measurement	
	DH1	
BT_GFSK	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	800/79CH = 10.13 (times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 10.13 = 320.108 (times)
	Each Channel Dwell Times (2)	0.420 ms
	Dwell Times on Cycle (1) * (2)	134.445 ms
	Limit (msec)	< = 400
	DH3	
	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	400/79CH = 5.06(times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 5.06 = 159.896(times)
	Each Channel Dwell Times (2)	1.680 ms
	Dwell Times on Cycle (1) * (2)	268.625 ms
	Limit (msec)	< = 400
	DH5	
	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	266.7/79CH = 3.38(times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 3.38 = 106.808(times)
	Each Channel Dwell Times (2)	2.960 ms
	Dwell Times on Cycle (1) * (2)	316.152 ms
	Limit (msec)	< = 400

Test Mode	Average Time of Occupancy (Dwell Time) Measurement	
	3DH1	
BT_8DPSK	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	800/79CH = 10.13 (times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 10.13 = 320.108 (times)
	Each Channel Dwell Times (2)	0.426 ms
	Dwell Times on Cycle (1) * (2)	136.366 ms
	Limit (msec)	< = 400
	3DH3	
	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	400/79CH = 5.06(times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 5.06 = 159.896(times)
	Each Channel Dwell Times (2)	1.680 ms
	Dwell Times on Cycle (1) * (2)	268.625 ms
	Limit (msec)	< = 400
	3DH5	
	Cycle Calculate	79CH * 0.4 = 31.6 (sec)
	The EUT Hopping Number per Sec	1600 times/sec
	Each Channel Dwell Times per Sec	266.7/79CH = 3.38(times/sec)
	Each Channel Dwell Times on Cycle(1)	31.6 * 3.38 = 106.808(times)
	Each Channel Dwell Times (2)	2.960 ms
	Dwell Times on Cycle (1) * (2)	316.152 ms
	Limit (msec)	< = 400