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	4.03	0.0025	4.65	0.00292	<0.125	8.00	QRCT4
		DH3	4.17	0.0026	4.67	0.00293	<0.125	8.00	
		DH5	4.18	0.0026	4.70	0.00295	<0.125	8.00	
	2441	DH1	3.81	0.0024	4.50	0.00282	<0.125	8.00	
		DH3	3.91	0.0025	4.46	0.00279	<0.125	8.00	
		DH5	4.02	0.0025	4.55	0.00285	<0.125	8.00	
	2480	DH1	5.91	0.0039	6.60	0.00457	<0.125	9.00	
		DH3	5.95	0.0039	6.58	0.00455	<0.125	9.00	
		DH5	5.98	0.0040	6.62	0.00459	<0.125	9.00	
BT_π/4-DQPSK	2402	2DH1	5.96	0.0039	8.16	0.00655	<0.125	9.00	
		2DH3	5.90	0.0039	8.12	0.00649	<0.125	9.00	
		2DH5	5.98	0.0040	8.22	0.00664	<0.125	9.00	
	2441	2DH1	5.42	0.0035	7.41	0.00551	<0.125	9.00	
		2DH3	5.41	0.0035	7.43	0.00553	<0.125	9.00	
		2DH5	5.45	0.0035	7.45	0.00556	<0.125	9.00	
	2480	2DH1	4.38	0.0027	6.40	0.00437	<0.125	9.00	
		2DH3	4.35	0.0027	6.37	0.00434	<0.125	9.00	
		2DH5	4.40	0.0028	6.42	0.00439	<0.125	9.00	
BT_8DPSK	2402	3DH1	5.98	0.0040	8.39	0.00690	<0.125	9.00	
		3DH3	5.98	0.0040	8.36	0.00685	<0.125	9.00	
		3DH5	5.99	0.0040	8.41	0.00693	<0.125	9.00	
	2441	3DH1	5.45	0.0035	7.54	0.00568	<0.125	9.00	
		3DH3	5.43	0.0035	7.61	0.00577	<0.125	9.00	
		3DH5	5.47	0.0035	7.63	0.00579	<0.125	9.00	
	2480	3DH1	4.45	0.0028	6.51	0.00448	<0.125	9.00	
		3DH3	4.37	0.0027	6.57	0.00454	<0.125	9.00	
		3DH5	4.47	0.0028	6.53	0.00450	<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			
Test Mode	Frequency (MHz)	20 dB RF Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
BT_GFSK	2402	0.936	0.830
	2441	0.937	0.831
	2480	0.938	0.845
BT_8DPSK	2402	1.297	1.206
	2441	1.297	1.223
	2480	1.296	1.213

Carrier Frequency Separation Measurement			
Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	0.996	≧ 0.624
	2441	0.994	≧ 0.625
	2480	1.002	≧ 0.625
BT_8DPSK	2402	1.000	≧ 0.865
	2441	0.990	≧ 0.865
	2480	1.294	≧ 0.864

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)	0.400 ms
	Dwell Times on Cycle (1) * (2)	128.043 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)	1.660 ms
	Dwell Times on Cycle (1) * (2)	265.427 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)	2.920 ms
	Dwell Times on Cycle (1) * (2)	311.879 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)	0.410 ms
	Dwell Times on Cycle (1) * (2)	131.244 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)	1.660 ms
	Dwell Times on Cycle (1) * (2)	265.427 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)	2.910 ms
	Dwell Times on Cycle (1) * (2)	310.811 ms
	Limit (msec)	< = 400