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	6.52	0.0045	7.56	0.00570	<0.125	8.00	Command
		DH3	6.84	0.0048	7.62	0.00578	<0.125	8.00	
		DH5	6.92	0.0049	7.63	0.00579	<0.125	8.00	
	2441	DH1	6.62	0.0046	9.83	0.00962	<0.125	8.00	
		DH3	6.89	0.0049	9.87	0.00971	<0.125	8.00	
		DH5	6.96	0.0050	9.89	0.00975	<0.125	8.00	
	2480	DH1	6.68	0.0047	10.23	0.01054	<0.125	8.00	
		DH3	6.90	0.0049	10.25	0.01059	<0.125	8.00	
		DH5	6.99	0.0050	10.32	0.01076	<0.125	8.00	
BT_π/4-DQPSK	2402	2DH1	6.39	0.0044	7.38	0.00547	<0.125	8.00	
		2DH3	6.63	0.0046	7.41	0.00551	<0.125	8.00	
		2DH5	6.74	0.0047	7.42	0.00552	<0.125	8.00	
	2441	2DH1	6.51	0.0045	9.75	0.00944	<0.125	8.00	
		2DH3	6.77	0.0048	9.80	0.00955	<0.125	8.00	
		2DH5	6.86	0.0048	9.87	0.00971	<0.125	8.00	
	2480	2DH1	6.53	0.0045	10.11	0.01026	<0.125	8.00	
		2DH3	6.82	0.0048	10.22	0.01052	<0.125	8.00	
		2DH5	6.86	0.0048	10.28	0.01067	<0.125	8.00	
BT_8DPSK	2402	3DH1	6.41	0.0044	7.48	0.00560	<0.125	8.00	
		3DH3	6.70	0.0047	7.55	0.00569	<0.125	8.00	
		3DH5	6.75	0.0047	7.57	0.00571	<0.125	8.00	
	2441	3DH1	6.53	0.0045	9.77	0.00948	<0.125	8.00	
		3DH3	6.88	0.0049	9.85	0.00966	<0.125	8.00	
		3DH5	6.91	0.0049	9.90	0.00977	<0.125	8.00	
	2480	3DH1	6.56	0.0045	10.18	0.01042	<0.125	8.00	
		3DH3	6.85	0.0048	10.27	0.01064	<0.125	8.00	
		3DH5	6.89	0.0049	10.32	0.01076	<0.125	8.00	

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	0.859	0.752
	2441	0.858	0.752
	2480	0.861	0.752
BT_8DPSK	2402	1.302	1.180
	2441	1.299	1.179
	2480	1.297	1.178

Carrier Frequency Separation Measurement			
Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.008	≧ 0.572
	2441	1.004	≧ 0.572
	2480	0.976	≧ 0.574
BT_8DPSK	2402	1.234	≧ 0.868
	2441	1.008	≧ 0.866
	2480	1.012	≧ 0.865

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)	1.660 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)	2.940 ms
	Dwell Times on Cycle (1) * (2)	314.016 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)	0.420 ms
	Dwell Times on Cycle (1) * (2)	134.445 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)	1.670 ms
	Dwell Times on Cycle (1) * (2)	267.026 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)	2.940 ms
	Dwell Times on Cycle (1) * (2)	314.016 ms
	Limit (msec)	< = 400