

### 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			
BT_GFSK	2402	DH1	11.08	0.0128	11.61	0.01449	<0.125	9.00	QRCT4
		DH3	11.16	0.0131	11.55	0.01427	<0.125	9.00	
		DH5	11.13	0.0130	11.63	0.01455	<0.125	9.00	
	2441	DH1	11.76	0.0150	12.18	0.01652	<0.125	9.00	
		DH3	11.82	0.0152	12.21	0.01663	<0.125	9.00	
		DH5	11.79	0.0151	12.26	0.01683	<0.125	9.00	
	2480	DH1	11.24	0.0133	11.73	0.01490	<0.125	9.00	
		DH3	11.35	0.0136	11.73	0.01489	<0.125	9.00	
		DH5	11.33	0.0136	11.75	0.01496	<0.125	9.00	
BT_π/4-DQPSK	2402	2DH1	9.05	0.0080	11.06	0.01276	<0.125	9.00	QRCT4
		2DH3	9.05	0.0080	11.03	0.01266	<0.125	9.00	
		2DH5	9.09	0.0081	11.13	0.01297	<0.125	9.00	
	2441	2DH1	9.34	0.0086	11.66	0.01465	<0.125	9.00	
		2DH3	9.28	0.0085	11.62	0.01453	<0.125	9.00	
		2DH5	9.40	0.0087	11.74	0.01493	<0.125	9.00	
	2480	2DH1	8.76	0.0075	10.96	0.01249	<0.125	9.00	
		2DH3	9.50	0.0089	11.42	0.01385	<0.125	9.00	
		2DH5	9.56	0.0090	11.46	0.01398	<0.125	9.00	
BT_8DPSK	2402	3DH1	9.10	0.0081	11.12	0.01295	<0.125	9.00	QRCT4
		3DH3	9.08	0.0081	11.16	0.01305	<0.125	9.00	
		3DH5	9.18	0.0083	11.17	0.01308	<0.125	9.00	
	2441	3DH1	9.37	0.0086	11.93	0.01560	<0.125	9.00	
		3DH3	9.35	0.0086	11.95	0.01567	<0.125	9.00	
		3DH5	9.45	0.0088	12.01	0.01589	<0.125	9.00	
	2480	3DH1	9.55	0.0090	11.54	0.01424	<0.125	9.00	
		3DH3	9.54	0.0090	11.61	0.01448	<0.125	9.00	
		3DH5	9.60	0.0091	11.66	0.01466	<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	0.9404	0.84982
	2441	0.9396	0.84862
	2480	0.9390	0.84976
BT_8DPSK	2402	1.295	1.2044
	2441	1.290	1.1863
	2480	1.296	1.2080

**Carrier Frequency Separation Measurement**

Test Mode	Frequency (MHz)	Measurement (MHz)	Limit (MHz)
BT_GFSK	2402	1.008	$\geq 0.627$
	2441	0.998	$\geq 0.626$
	2480	1.146	$\geq 0.626$
BT_8DPSK	2402	1.276	$\geq 0.863$
	2441	0.960	$\geq 0.860$
	2480	1.002	$\geq 0.864$

Time of Occupancy (Dwell Time) Measurement		
Test Mode	Average Time of Occupancy (Dwell Time) Measurement	
	DH1	
BT_GFSK	Cycle Calculate	$79CH * 0.4 = 31.6 \text{ (sec)}$
	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)	0.400 ms
	Dwell Times on Cycle (1) * (2)	128.043 ms
	Limit (msec)	$\leq 400$
	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)	1.657 ms
	Dwell Times on Cycle (1) * (2)	264.948 ms
	Limit (msec)	$\leq 400$
	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)	2.925 ms
Dwell Times on Cycle (1) * (2)	312.413 ms	
Limit (msec)	$\leq 400$	

Average Time of Occupancy (Dwell Time) Measurement		
Test 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)	0.415 ms
	Dwell Times on Cycle (1) * (2)	132.845 ms
	Limit (msec)	$\leq 400$
	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)	1.680 ms
	Dwell Times on Cycle (1) * (2)	268.625 ms
	Limit (msec)	$\leq 400$
	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)	2.940 ms
Dwell Times on Cycle (1) * (2)	314.016 ms	
Limit (msec)	$\leq 400$	