# 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 | 8.81 | 0.0076 | 8.90 | 0.00776 | <0.125 | Default | Putty |
| | | DH3 | 8.86 | 0.0077 | 8.93 | 0.00782 | <0.125 | Default | |
| | | DH5 | 8.93 | 0.0078 | 9.02 | 0.00798 | <0.125 | Default | |
| | 2441 | DH1 | 9.74 | 0.0094 | 9.83 | 0.00962 | <0.125 | Default | |
| | | DH3 | 9.87 | 0.0097 | 9.95 | 0.00989 | <0.125 | Default | |
| | | DH5 | 9.91 | 0.0098 | 9.97 | 0.00993 | <0.125 | Default | |
| | 2480 | DH1 | 9.97 | 0.0099 | 10.03 | 0.01007 | <0.125 | Default | |
| | | DH3 | 9.99 | 0.0100 | 10.07 | 0.01016 | <0.125 | Default | |
| | | DH5 | 10.09 | 0.0102 | 10.16 | 0.01038 | <0.125 | Default | |
| BT_π/4-DQPSK | 2402 | 2DH1 | 6.14 | 0.0041 | 8.72 | 0.00745 | <0.125 | Default | |
| | | 2DH3 | 6.18 | 0.0041 | 8.75 | 0.00750 | <0.125 | Default | |
| | | 2DH5 | 6.22 | 0.0042 | 8.80 | 0.00759 | <0.125 | Default | |
| | 2441 | 2DH1 | 7.02 | 0.0050 | 9.62 | 0.00916 | <0.125 | Default | |
| | | 2DH3 | 7.09 | 0.0051 | 9.66 | 0.00925 | <0.125 | Default | |
| | | 2DH5 | 7.15 | 0.0052 | 9.68 | 0.00929 | <0.125 | Default | |
| | 2480 | 2DH1 | 7.07 | 0.0051 | 9.62 | 0.00916 | <0.125 | Default | |
| | | 2DH3 | 7.16 | 0.0052 | 9.70 | 0.00933 | <0.125 | Default | |
| | | 2DH5 | 7.22 | 0.0053 | 9.72 | 0.00938 | <0.125 | Default | |
| BT_8DPSK | 2402 | 3DH1 | 6.15 | 0.0041 | 8.98 | 0.00791 | <0.125 | Default | |
| | | 3DH3 | 6.20 | 0.0042 | 9.01 | 0.00796 | <0.125 | Default | |
| | | 3DH5 | 6.23 | 0.0042 | 9.03 | 0.00800 | <0.125 | Default | |
| | 2441 | 3DH1 | 7.04 | 0.0051 | 9.83 | 0.00962 | <0.125 | Default | |
| | | 3DH3 | 7.10 | 0.0051 | 9.89 | 0.00975 | <0.125 | Default | |
| | | 3DH5 | 7.16 | 0.0052 | 9.92 | 0.00982 | <0.125 | Default | |
| | 2480 | 3DH1 | 7.08 | 0.0051 | 9.84 | 0.00964 | <0.125 | Default | |
| | | 3DH3 | 7.18 | 0.0052 | 9.93 | 0.00984 | <0.125 | Default | |
| | | 3DH5 | 7.24 | 0.0053 | 9.96 | 0.00991 | <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 | 0.961 | 0.892 |
| | 2441 | 1.005 | 0.902 |
| | 2480 | 1.044 | 0.901 |
| BT_8DPSK | 2402 | 1.341 | 1.216 |
| | 2441 | 1.339 | 1.214 |
| | 2480 | 1.342 | 1.215 |

| Carrier Frequency Separation Measurement | | | |
|---|---|---|---|
| Test Mode | Frequency (MHz) | Measurement (MHz) | Limit (MHz) |
| BT_GFSK | 2402 | 1.014 | ≧ 0.641 |
| | 2441 | 1.320 | ≧ 0.670 |
| | 2480 | 0.992 | ≧ 0.696 |
| BT_8DPSK | 2402 | 0.988 | ≧ 0.894 |
| | 2441 | 1.020 | ≧ 0.893 |
| | 2480 | 0.984 | ≧ 0.895 |

| 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) | 0.4341 ms |
| | Dwell Times on Cycle (1) * (2) | 138.959 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) | 1.703 ms |
| | Dwell Times on Cycle (1) * (2) | 272.303 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) | 2.962 ms |
| | Dwell Times on Cycle (1) * (2) | 316.365 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) | 0.4283 ms |
| | Dwell Times on Cycle (1) * (2) | 137.102 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) | 1.703 ms |
| | Dwell Times on Cycle (1) * (2) | 272.303 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) | 3.012 ms |
| | Dwell Times on Cycle (1) * (2) | 321.706 ms |
| | Limit (msec) | < = 400 |