# 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 | 6.11 | 0.0041 | 7.12 | 0.00515 | <0.125 | 7.00 | Command |
| | | DH3 | 6.32 | 0.0043 | 7.16 | 0.00520 | <0.125 | 7.00 | |
| | | DH5 | 6.36 | 0.0043 | 7.18 | 0.00522 | <0.125 | 7.00 | |
| | 2441 | DH1 | 5.80 | 0.0038 | 6.70 | 0.00468 | <0.125 | 7.00 | |
| | | DH3 | 6.00 | 0.0040 | 6.81 | 0.00480 | <0.125 | 7.00 | |
| | | DH5 | 6.07 | 0.0040 | 6.86 | 0.00485 | <0.125 | 7.00 | |
| | 2480 | DH1 | 5.88 | 0.0039 | 6.80 | 0.00479 | <0.125 | 7.00 | |
| | | DH3 | 6.11 | 0.0041 | 6.82 | 0.00481 | <0.125 | 7.00 | |
| | | DH5 | 6.13 | 0.0041 | 6.84 | 0.00483 | <0.125 | 7.00 | |
| BT_π/4-DQPSK | 2402 | 2DH1 | 6.15 | 0.0041 | 9.55 | 0.00902 | <0.125 | 7.00 | |
| | | 2DH3 | 6.48 | 0.0044 | 9.54 | 0.00899 | <0.125 | 7.00 | |
| | | 2DH5 | 6.51 | 0.0045 | 9.57 | 0.00906 | <0.125 | 7.00 | |
| | 2441 | 2DH1 | 5.88 | 0.0039 | 9.25 | 0.00841 | <0.125 | 7.00 | |
| | | 2DH3 | 6.23 | 0.0042 | 9.37 | 0.00865 | <0.125 | 7.00 | |
| | | 2DH5 | 6.26 | 0.0042 | 9.39 | 0.00869 | <0.125 | 7.00 | |
| | 2480 | 2DH1 | 5.87 | 0.0039 | 9.42 | 0.00875 | <0.125 | 7.00 | |
| | | 2DH3 | 6.30 | 0.0043 | 9.49 | 0.00889 | <0.125 | 7.00 | |
| | | 2DH5 | 6.34 | 0.0043 | 9.51 | 0.00893 | <0.125 | 7.00 | |
| BT_8DPSK | 2402 | 3DH1 | 6.20 | 0.0042 | 9.80 | 0.00955 | <0.125 | 7.00 | |
| | | 3DH3 | 6.54 | 0.0045 | 9.90 | 0.00977 | <0.125 | 7.00 | |
| | | 3DH5 | 6.56 | 0.0045 | 9.93 | 0.00984 | <0.125 | 7.00 | |
| | 2441 | 3DH1 | 5.89 | 0.0039 | 9.67 | 0.00927 | <0.125 | 7.00 | |
| | | 3DH3 | 6.29 | 0.0043 | 9.71 | 0.00935 | <0.125 | 7.00 | |
| | | 3DH5 | 6.30 | 0.0043 | 9.75 | 0.00944 | <0.125 | 7.00 | |
| | 2480 | 3DH1 | 5.93 | 0.0039 | 9.65 | 0.00923 | <0.125 | 7.00 | |
| | | 3DH3 | 6.32 | 0.0043 | 9.81 | 0.00957 | <0.125 | 7.00 | |
| | | 3DH5 | 6.35 | 0.0043 | 9.83 | 0.00962 | <0.125 | 7.00 | |

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 | 0.862 | 0.753 |
| | 2441 | 0.859 | 0.752 |
| | 2480 | 0.859 | 0.752 |
| BT_8DPSK | 2402 | 1.296 | 1.178 |
| | 2441 | 1.299 | 1.178 |
| | 2480 | 1.297 | 1.177 |

| Carrier Frequency Separation Measurement | | | |
|---|---|---|---|
| Test Mode | Frequency (MHz) | Measurement (MHz) | Limit (MHz) |
| BT_GFSK | 2402 | 1.140 | ≧ 0.574 |
| | 2441 | 1.008 | ≧ 0.573 |
| | 2480 | 1.002 | ≧ 0.573 |
| BT_8DPSK | 2402 | 1.098 | ≧ 0.864 |
| | 2441 | 1.122 | ≧ 0.866 |
| | 2480 | 1.042 | ≧ 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) | 0.4068 ms |
| | Dwell Times on Cycle (1) * (2) | 130.220 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) | 1.670 ms |
| | Dwell Times on Cycle (1) * (2) | 267.026 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) | 1.660 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) | 2.940 ms |
| | Dwell Times on Cycle (1) * (2) | 314.016 ms |
| | Limit (msec) | < = 400 |