Appendix C: Test Data for E-UTRA Band 5

Product Name: LTE GSM/WCDMA Smartphone

Trade Mark: DOOGEE Test Model: S80 Lite

Environmental Conditions

| Temperature: | 23.6 ° C |
|--------------------|-------------|
| Relative Humidity: | 53.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | WANGCHUANG |
| Supervised by: | Jayden Zhuo |

C.1 Conducted Output Power

| Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz) | | | | | | |
|---|-----------|--------|------------|---------------------|---------------------|----------|
| Marshalatian | Observati | RB Con | figuration | Average Power [dBm] | Average Power [dBm] | Manaliat |
| Modulation | Channel | Size | Offset | QPSK | 16QAM | Verdict |
| | | 1 | 0 | 23.82 | 22.66 | PASS |
| | | 1 | 3 | 24.01 | 22.78 | PASS |
| | | 1 | 5 | 23.82 | 22.56 | PASS |
| | LCH | 3 | 0 | 23.37 | 22.55 | PASS |
| | | 3 | 2 | 23.39 | 22.53 | PASS |
| | | 3 | 3 | 23.34 | 22.52 | PASS |
| | | 6 | 0 | 22.48 | 21.40 | PASS |
| | MCH | 1 | 0 | 23.37 | 22.81 | PASS |
| | | 1 | 3 | 23.49 | 22.91 | PASS |
| QPSK / | | 1 | 5 | 23.41 | 22.79 | PASS |
| 16QAM | | 3 | 0 | 23.51 | 22.51 | PASS |
| TOQAIVI | | 3 | 2 | 23.49 | 22.60 | PASS |
| | | 3 | 3 | 23.46 | 22.57 | PASS |
| | | 6 | 0 | 22.52 | 21.45 | PASS |
| | | 1 | 0 | 23.32 | 22.58 | PASS |
| | | 1 | 3 | 23.56 | 22.83 | PASS |
| | | 1 | 5 | 23.34 | 22.65 | PASS |
| | HCH | 3 | 0 | 23.46 | 22.55 | PASS |
| | | 3 | 2 | 23.51 | 22.57 | PASS |
| | | 3 | 3 | 23.45 | 22.61 | PASS |
| | | 6 | 0 | 22.56 | 21.61 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 3 MHz) | | | | | | |
|---|---------|--------|------------|---------------------|---------------------|---------|
| Modulation | Channel | RB Con | figuration | Average Power [dBm] | Average Power [dBm] | Verdict |
| Woddiation | Charmer | Size | Offset | QPSK | 16QAM | Verdict |
| | | 1 | 0 | 23.29 | 22.60 | PASS |
| | | 1 | 7 | 23.64 | 22.88 | PASS |
| | | 1 | 14 | 23.29 | 22.55 | PASS |
| | LCH | 8 | 0 | 22.44 | 21.41 | PASS |
| | | 8 | 4 | 22.49 | 21.51 | PASS |
| | | 8 | 7 | 22.46 | 21.47 | PASS |
| | | 15 | 0 | 22.37 | 21.30 | PASS |
| | МСН | 1 | 0 | 23.28 | 22.67 | PASS |
| | | 1 | 7 | 23.33 | 22.87 | PASS |
| ODCK / | | 1 | 14 | 23.40 | 22.73 | PASS |
| QPSK / 16QAM | | 8 | 0 | 22.43 | 21.50 | PASS |
| TOQAIVI | | 8 | 4 | 22.53 | 21.62 | PASS |
| | | 8 | 7 | 22.52 | 21.57 | PASS |
| | | 15 | 0 | 22.49 | 21.45 | PASS |
| | | 1 | 0 | 23.38 | 22.78 | PASS |
| | | 1 | 7 | 23.66 | 22.76 | PASS |
| | | 1 | 14 | 23.37 | 22.83 | PASS |
| | нсн | 8 | 0 | 22.49 | 21.47 | PASS |
| | | 8 | 4 | 22.56 | 21.52 | PASS |
| | | 8 | 7 | 22.51 | 21.42 | PASS |
| | | 15 | 0 | 22.47 | 21.44 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 5 MHz) | | | | | | |
|---|---------|------|------------|---------------------|---------------------|---------------|
| Modulation | Channel | | figuration | Average Power [dBm] | Average Power [dBm] | Verdict |
| | Onamio. | Size | Offset | QPSK | 16QAM | 7 0 1 0 1 0 1 |
| | | 1 | 0 | 23.21 | 22.65 | PASS |
| | | 1 | 12 | 23.63 | 22.83 | PASS |
| | | 1 | 24 | 23.21 | 22.61 | PASS |
| | LCH | 12 | 0 | 22.34 | 21.43 | PASS |
| | | 12 | 6 | 22.46 | 21.62 | PASS |
| | | 12 | 13 | 22.36 | 21.46 | PASS |
| | | 25 | 0 | 22.38 | 21.34 | PASS |
| | МСН | 1 | 0 | 23.24 | 22.70 | PASS |
| | | 1 | 12 | 23.90 | 22.84 | PASS |
| QPSK / | | 1 | 24 | 23.30 | 22.71 | PASS |
| 16QAM | | 12 | 0 | 22.42 | 21.53 | PASS |
| TOQAM | | 12 | 6 | 22.46 | 21.66 | PASS |
| | | 12 | 13 | 22.53 | 21.65 | PASS |
| | | 25 | 0 | 22.52 | 21.45 | PASS |
| | | 1 | 0 | 23.29 | 22.36 | PASS |
| | | 1 | 12 | 23.70 | 22.71 | PASS |
| | | 1 | 24 | 23.35 | 22.34 | PASS |
| | нсн | 12 | 0 | 22.50 | 21.52 | PASS |
| | | 12 | 6 | 22.55 | 21.55 | PASS |
| | | 12 | 13 | 22.36 | 21.42 | PASS |
| | | 25 | 0 | 22.45 | 21.45 | PASS |

| Conducted Output Power Test Result (Channel Bandwidth: 10 MHz) | | | | | | |
|--|----------|--------|------------|---------------------|---------------------|---------|
| Marshalatian | Observat | RB Con | figuration | Average Power [dBm] | Average Power [dBm] | \/lit |
| Modulation | Channel | Size | Offset | QPSK | 16QAM | Verdict |
| | | 1 | 0 | 23.31 | 22.63 | PASS |
| | | 1 | 24 | 23.48 | 22.78 | PASS |
| | | 1 | 49 | 23.34 | 22.68 | PASS |
| | LCH | 25 | 0 | 22.50 | 21.46 | PASS |
| | | 25 | 12 | 22.47 | 21.46 | PASS |
| | | 25 | 25 | 22.39 | 21.39 | PASS |
| | | 50 | 0 | 22.40 | 21.37 | PASS |
| | МСН | 1 | 0 | 23.34 | 22.63 | PASS |
| | | 1 | 24 | 23.60 | 22.92 | PASS |
| ODCK / | | 1 | 49 | 23.37 | 22.72 | PASS |
| QPSK / 16QAM | | 25 | 0 | 22.53 | 21.50 | PASS |
| IOQAIVI | | 25 | 12 | 22.53 | 21.52 | PASS |
| | | 25 | 25 | 22.65 | 21.65 | PASS |
| | | 50 | 0 | 22.53 | 21.53 | PASS |
| | | 1 | 0 | 23.36 | 22.84 | PASS |
| | | 1 | 24 | 23.58 | 23.00 | PASS |
| | | 1 | 49 | 23.38 | 22.82 | PASS |
| | нсн | 25 | 0 | 22.54 | 21.53 | PASS |
| | | 25 | 12 | 22.59 | 21.54 | PASS |
| | | 25 | 25 | 22.44 | 21.43 | PASS |
| | | 50 | 0 | 22.44 | 21.50 | PASS |

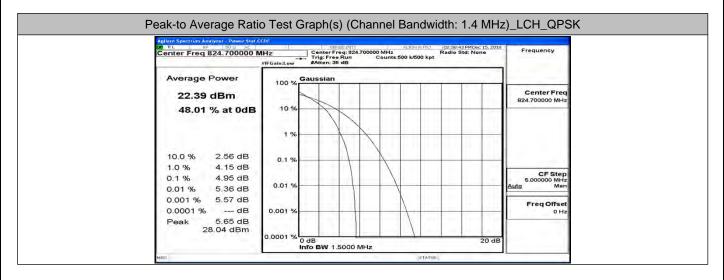
C.2 Peak-to-Average Ratio

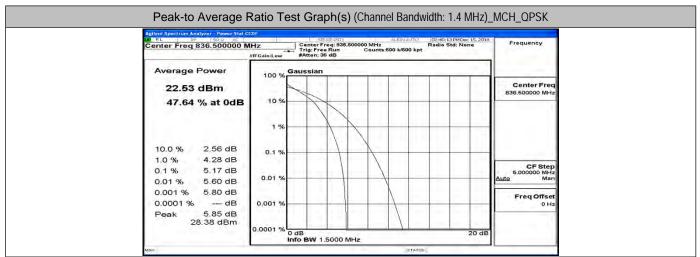
| Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz) | | | | | |
|--|---------|-----------------------|-------|---------|--|
| Modulation | Channel | Peak-to-Average Ratio | Limit | Verdict | |
| iviodulation | Channel | [dB] | [dB] | verdict | |
| | LCH | 4.95 | <13 | PASS | |
| QPSK | MCH | 5.17 | <13 | PASS | |
| | HCH | 4.91 | <13 | PASS | |
| 16QAM | LCH | 5.91 | <13 | PASS | |
| | MCH | 6.06 | <13 | PASS | |
| | HCH | 5.81 | <13 | PASS | |

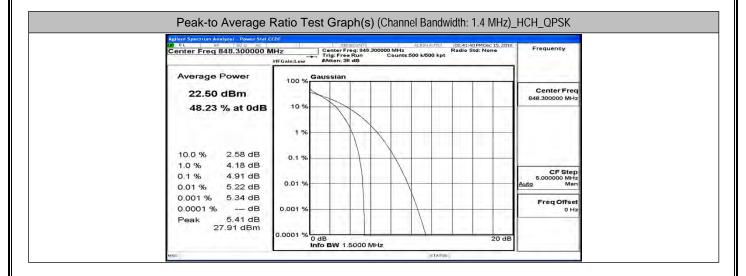
| Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz) | | | | | |
|--|---------|-----------------------|-------|---------|--|
| Modulation | Channel | Peak-to-Average Ratio | Limit | Verdict | |
| Modulation | Channel | [dB] | [dB] | verdict | |
| | LCH | 5.03 | <13 | PASS | |
| QPSK | MCH | 5.27 | <13 | PASS | |
| | HCH | 5.12 | <13 | PASS | |
| 16QAM | LCH | 5.92 | <13 | PASS | |
| | MCH | 6.19 | <13 | PASS | |
| | HCH | 5.88 | <13 | PASS | |

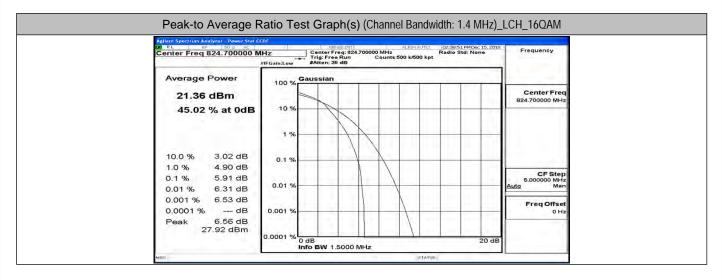
| Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz) | | | | | |
|--|----------|-----------------------|-------|---------|--|
| Modulation | Channel | Peak-to-Average Ratio | Limit | Vardiat | |
| iviodulation | Griannei | [dB] | [dB] | Verdict | |
| | LCH | 4.98 | <13 | PASS | |
| QPSK | MCH | 5.25 | <13 | PASS | |
| | HCH | 5.11 | <13 | PASS | |
| 16QAM | LCH | 5.82 | <13 | PASS | |
| | MCH | 6.07 | <13 | PASS | |
| | HCH | 5.95 | <13 | PASS | |

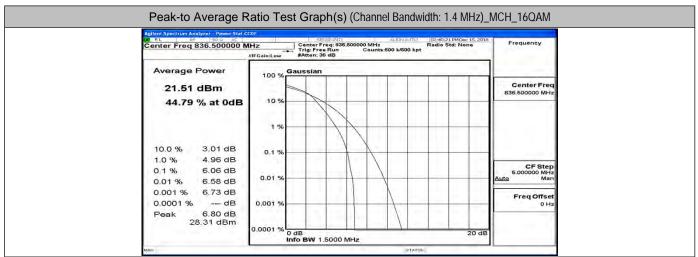
| Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz) | | | | | |
|---|----------|-----------------------|-------|---------|--|
| Modulation | Channel | Peak-to-Average Ratio | Limit | Verdict | |
| iviodulation | Grianner | [dB] | [dB] | verdict | |
| | LCH | 5.15 | <13 | PASS | |
| QPSK | MCH | 5.31 | <13 | PASS | |
| | HCH | 5.25 | <13 | PASS | |
| 16QAM | LCH | 5.93 | <13 | PASS | |
| | MCH | 6.09 | <13 | PASS | |
| | HCH | 6.03 | <13 | PASS | |

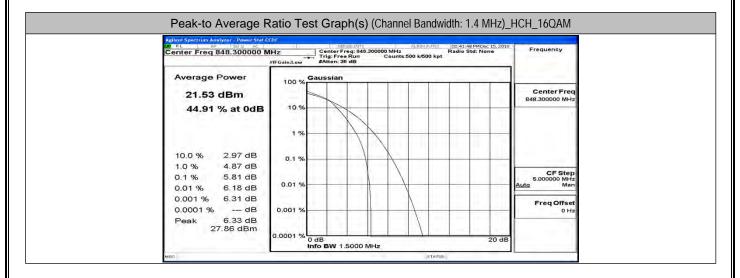


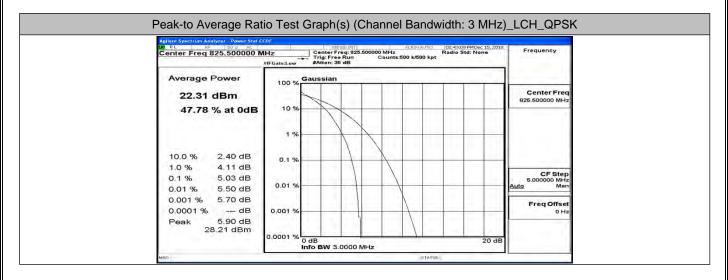


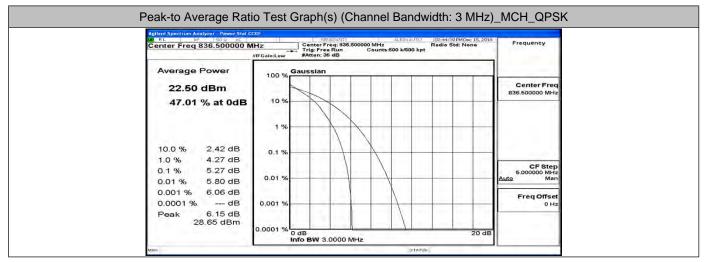


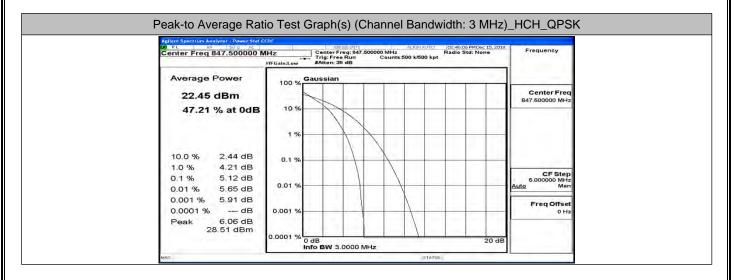


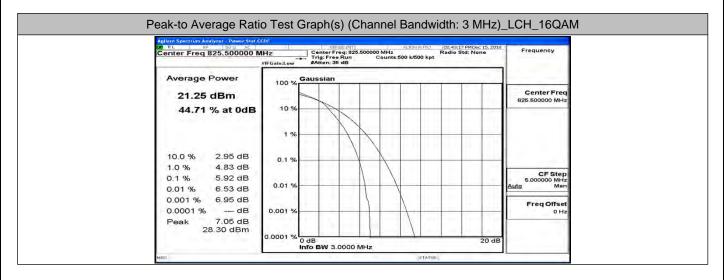


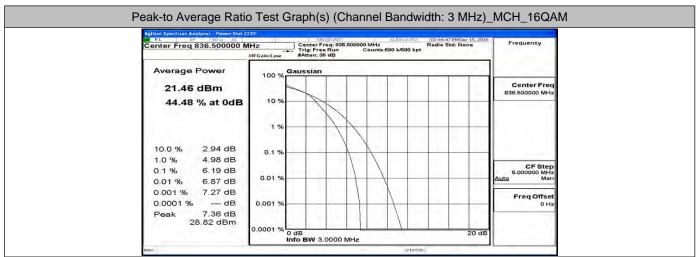


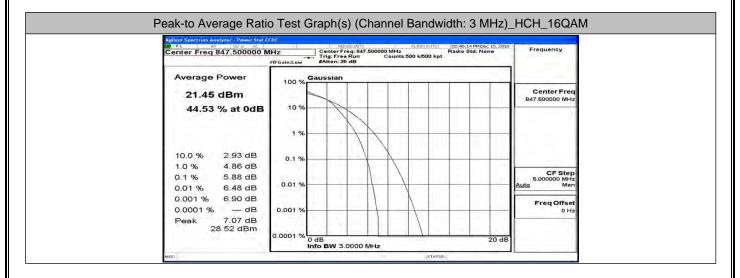


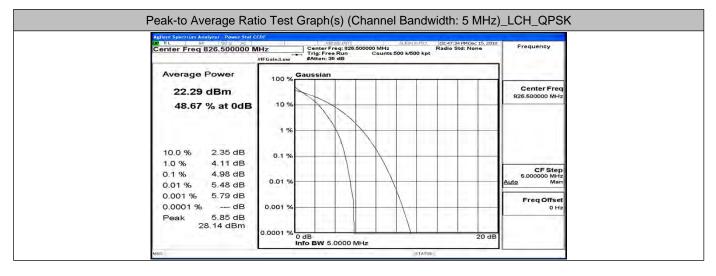


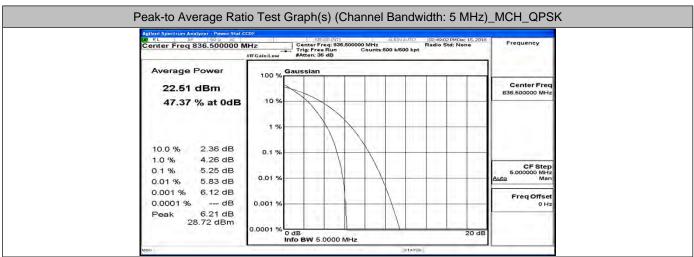


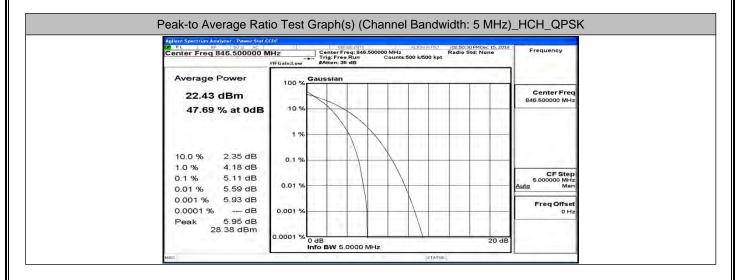


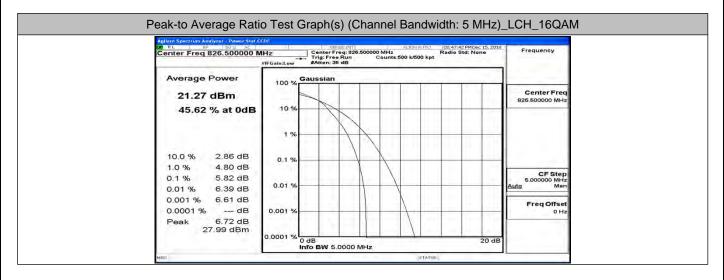


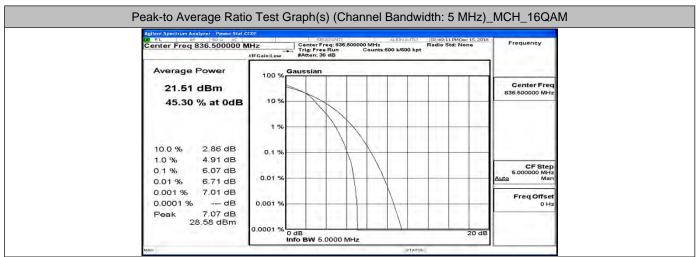


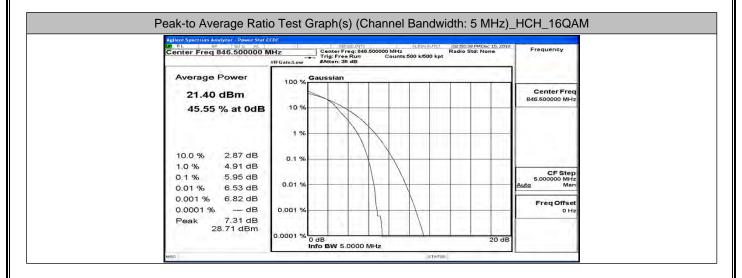


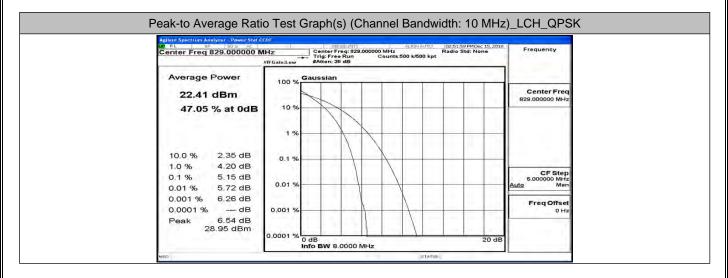


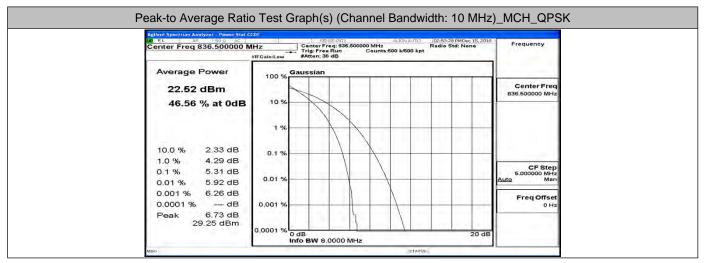


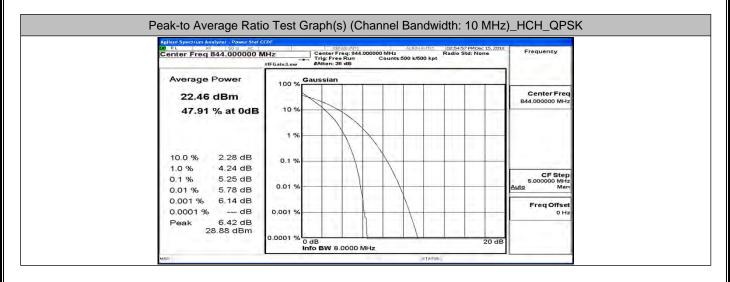


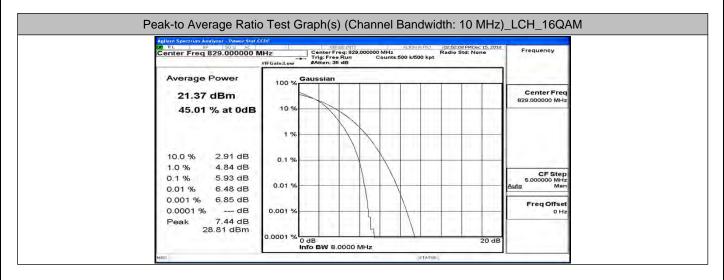


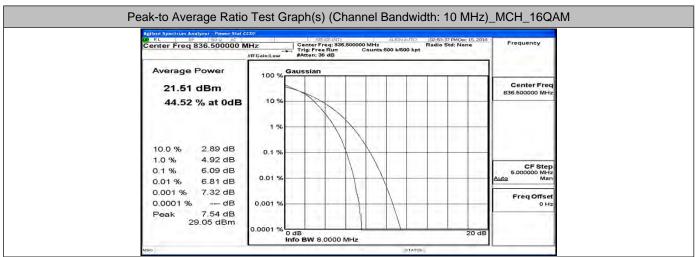


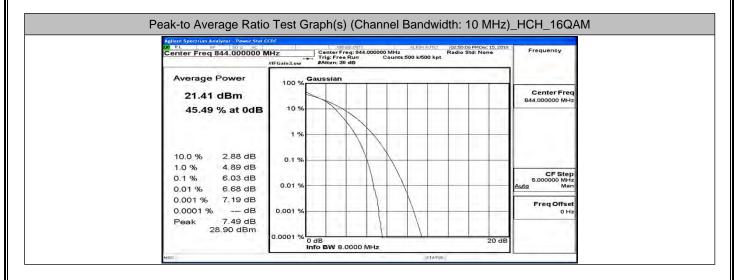












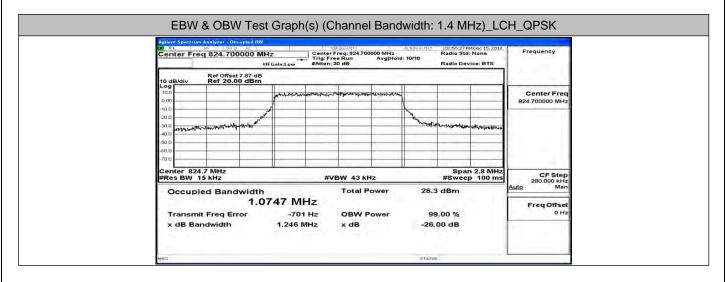
C.3 26dB Bandwidth and Occupied Bandwidth

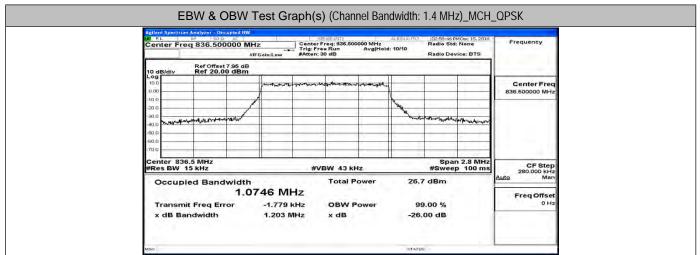
| EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz) | | | | | |
|--|---------|--------------------|----------------|---------|--|
| Mandadatian | Channel | Occupied Bandwidth | 26dB Bandwidth | Verdict | |
| Modulation | Channel | (MHz) | (MHz) | verdict | |
| | LCH | 1.0747 | 1.246 | PASS | |
| QPSK | MCH | 1.0746 | 1.203 | PASS | |
| | HCH | 1.0767 | 1.227 | PASS | |
| 16QAM | LCH | 1.0777 | 1.242 | PASS | |
| | MCH | 1.0784 | 1.227 | PASS | |
| | HCH | 1.0767 | 1.211 | PASS | |

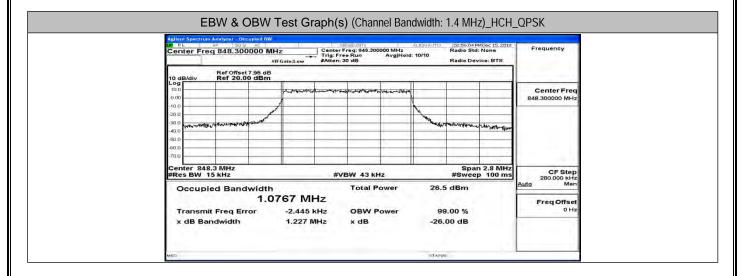
| EBW & OBW Test Result (Channel Bandwidth: 3 MHz) | | | | | | |
|--|---------|--------------------|----------------|---------|--|--|
| Modulation | Channel | Occupied Bandwidth | 26dB Bandwidth | Vordict | | |
| Modulation | Channel | (MHz) | (MHz) | Verdict | | |
| QPSK | LCH | 2.6794 | 2.821 | PASS | | |
| | MCH | 2.6790 | 2.843 | PASS | | |
| | HCH | 2.6779 | 2.831 | PASS | | |
| 16QAM | LCH | 2.6766 | 2.825 | PASS | | |
| | MCH | 2.6795 | 2.829 | PASS | | |
| | HCH | 2.6804 | 2.821 | PASS | | |

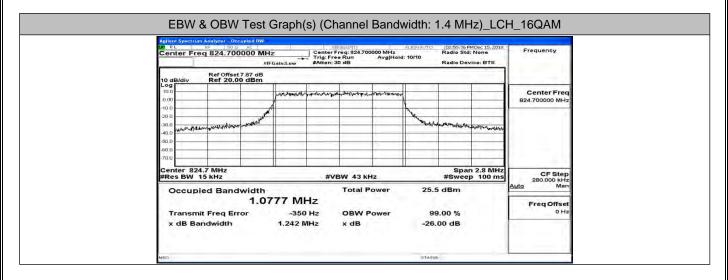
| EBW & OBW Test Result (Channel Bandwidth: 5 MHz) | | | | | | |
|--|----------|--------------------|----------------|---------|--|--|
| Modulation | Channel | Occupied Bandwidth | 26dB Bandwidth | Verdict | | |
| Modulation | Grianner | (MHz) | (MHz) | verdict | | |
| | LCH | 4.4720 | 4.819 | PASS | | |
| QPSK | MCH | 4.4772 | 4.856 | PASS | | |
| | HCH | 4.4673 | 4.838 | PASS | | |
| 16QAM | LCH | 4.4741 | 4.850 | PASS | | |
| | MCH | 4.4786 | 4.843 | PASS | | |
| | HCH | 4.4762 | 4.879 | PASS | | |

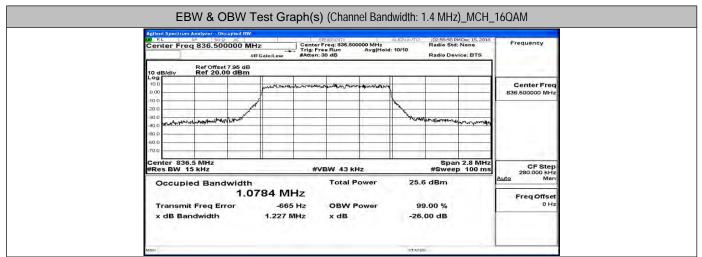
| EBW & OBW Test Result (Channel Bandwidth: 10 MHz) | | | | |
|---|---------|--------------------|----------------|---------|
| Modulation | Channel | Occupied Bandwidth | 26dB Bandwidth | Verdict |
| | | (MHz) | (MHz) | |
| QPSK | LCH | 8.9279 | 9.506 | PASS |
| | MCH | 8.9487 | 9.492 | PASS |
| | HCH | 8.9219 | 9.502 | PASS |
| 16QAM | LCH | 8.9252 | 9.463 | PASS |
| | MCH | 8.9453 | 9.533 | PASS |
| | HCH | 8.9384 | 9.448 | PASS |

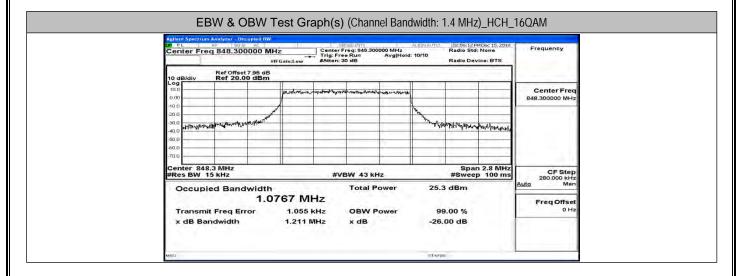


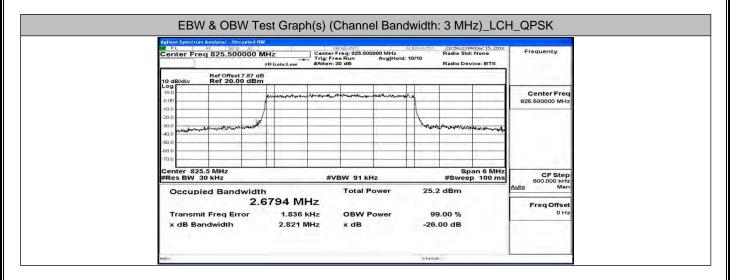


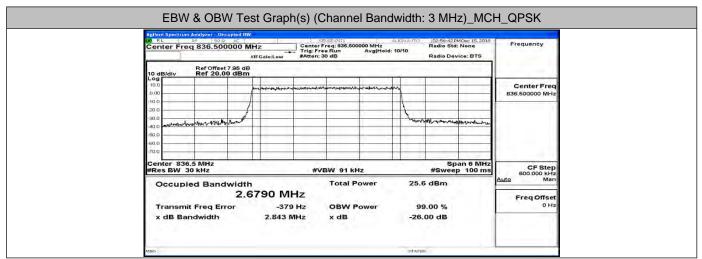


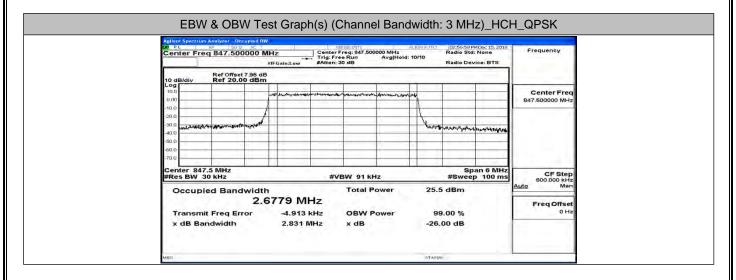


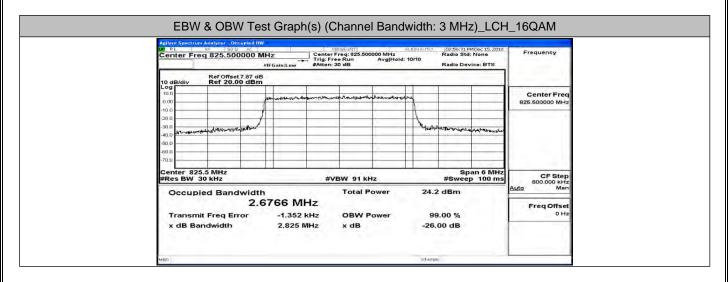


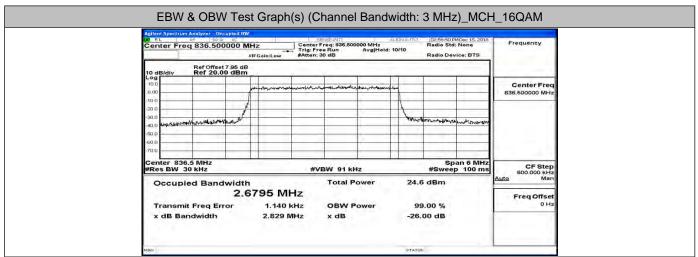


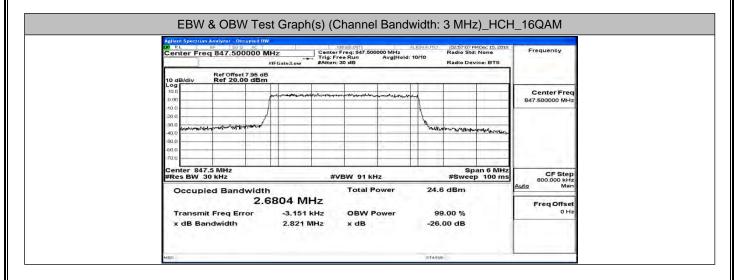


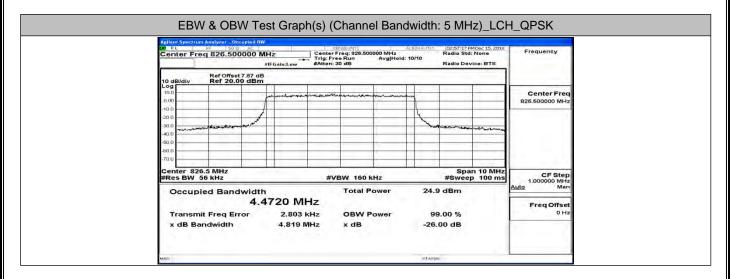


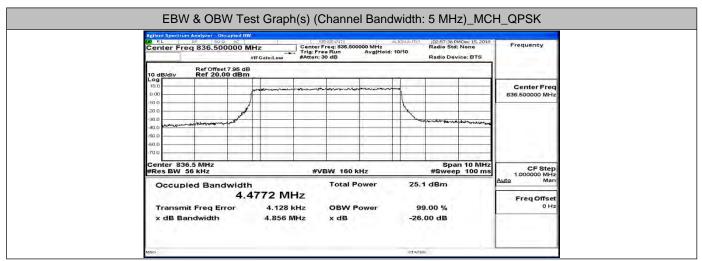


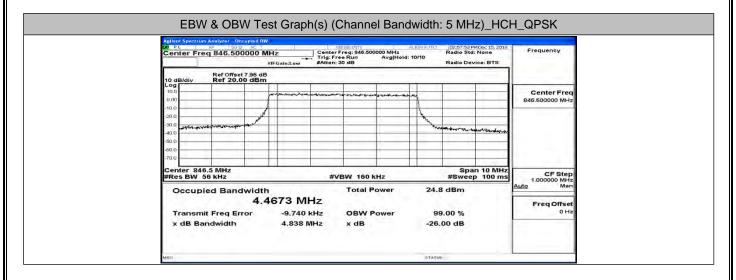


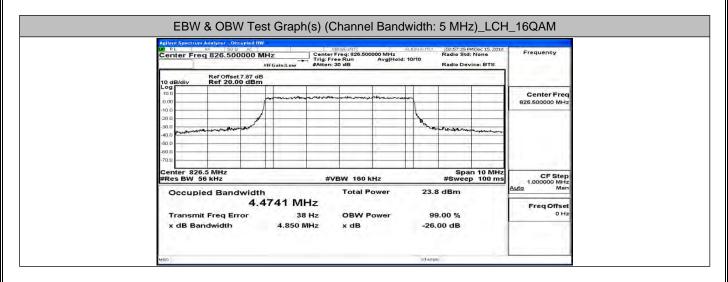


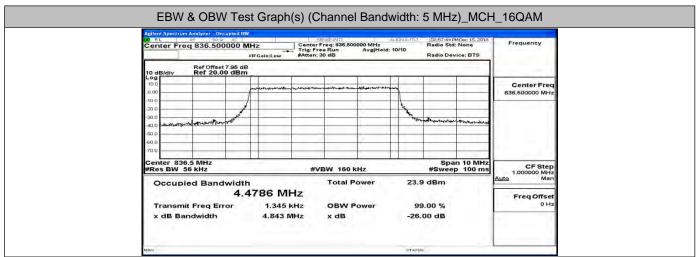


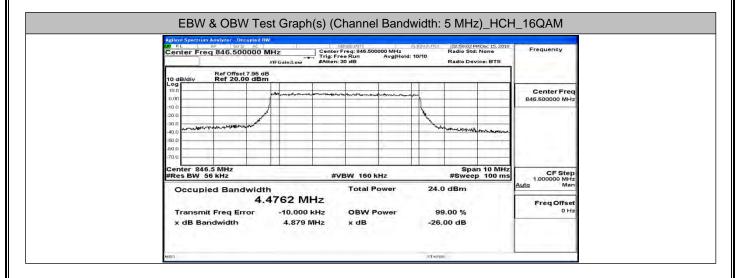


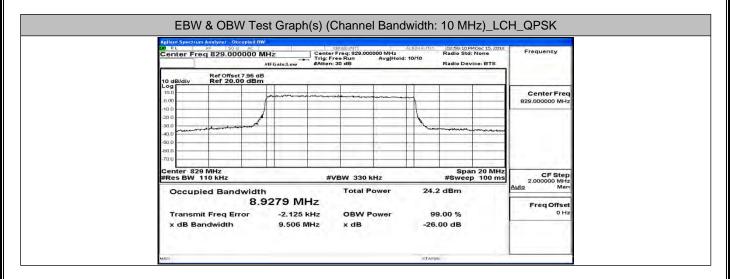


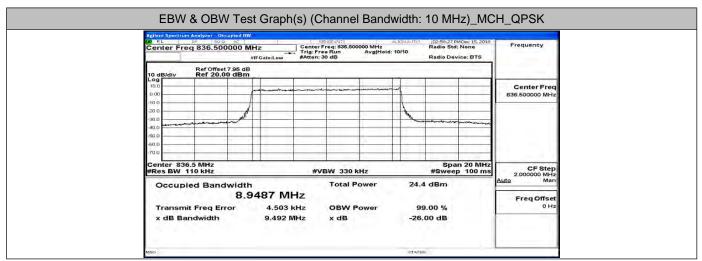


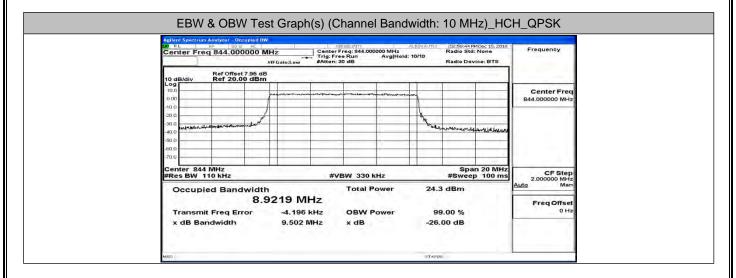


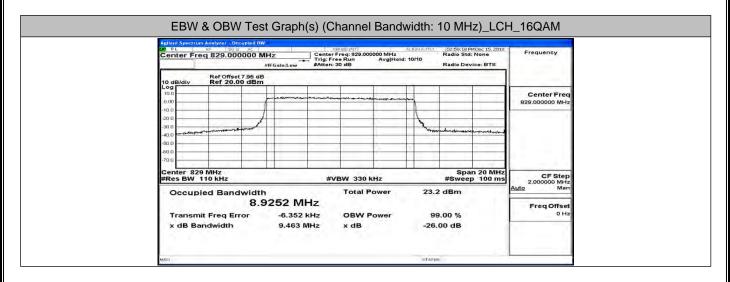


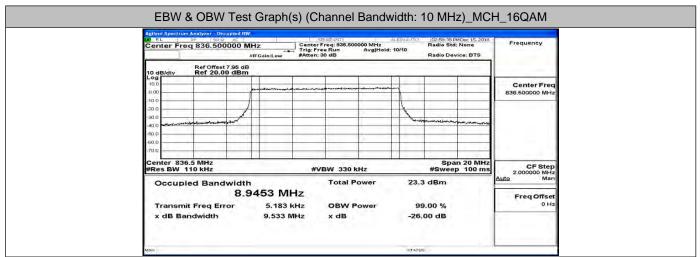


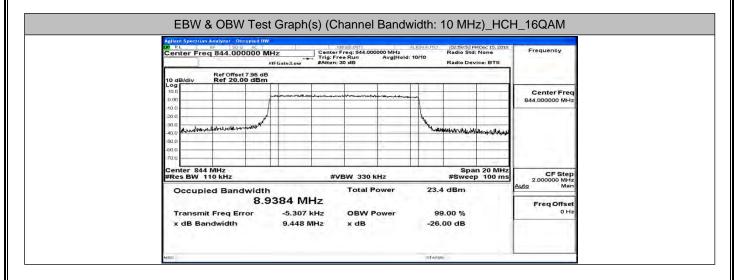




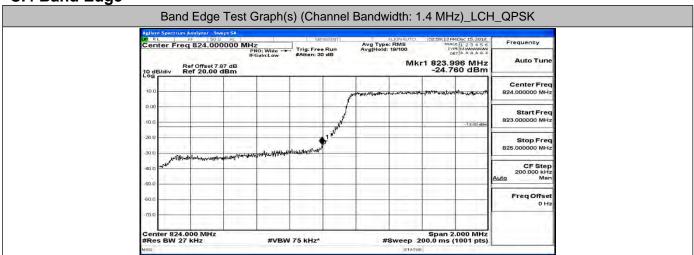


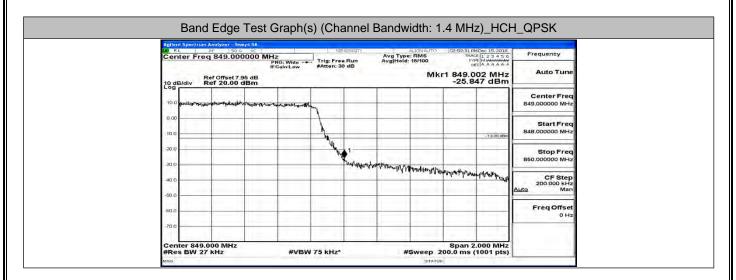


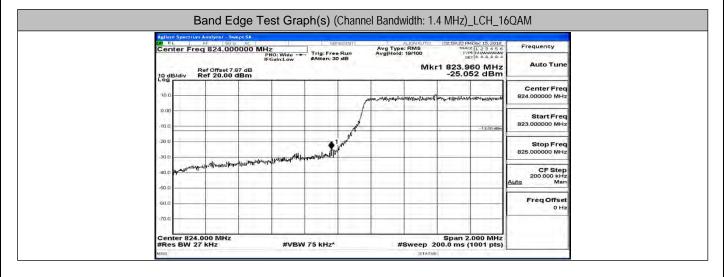


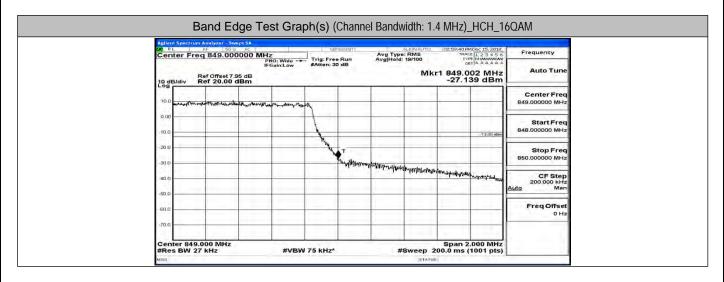


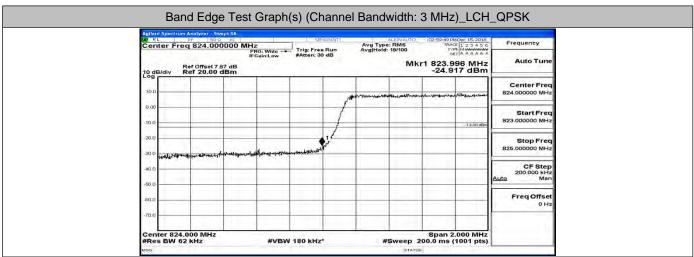
C.4 Band Edge

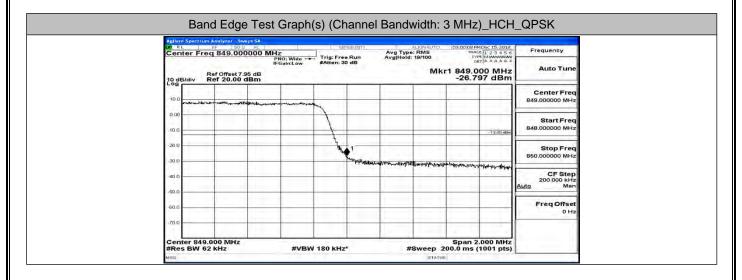


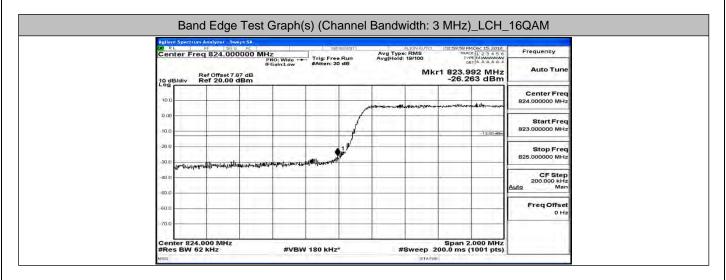


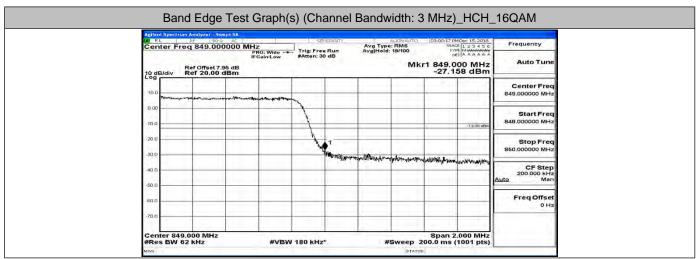


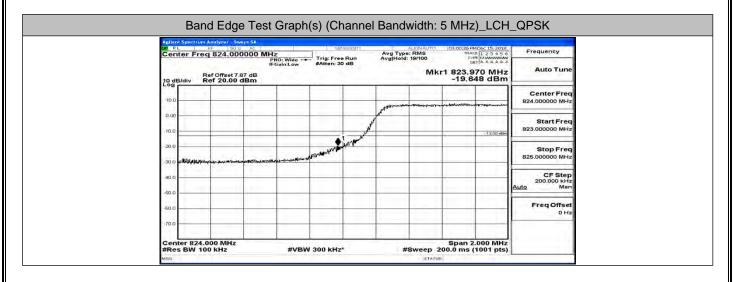


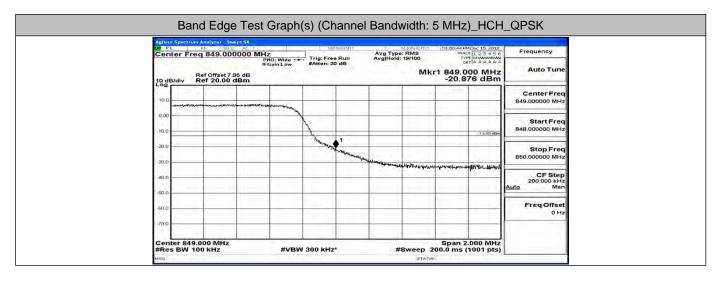


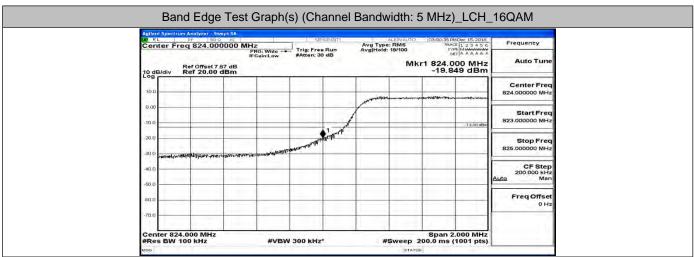


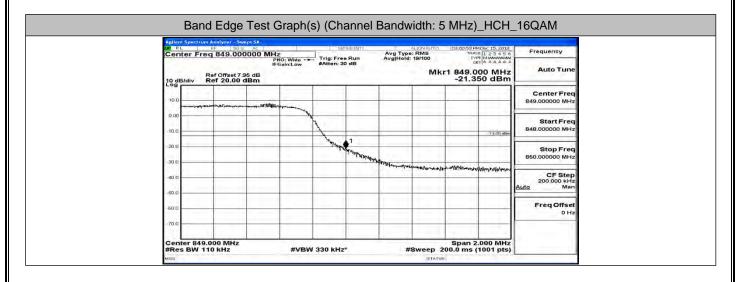


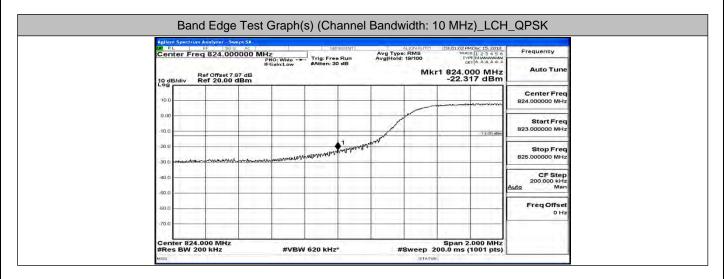


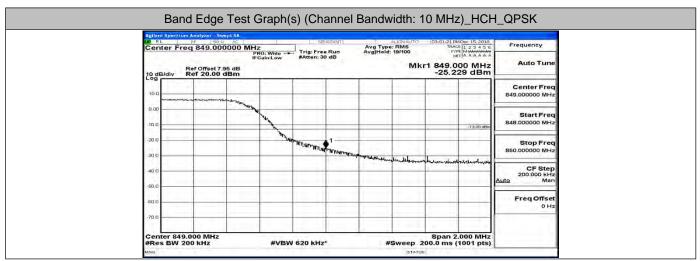


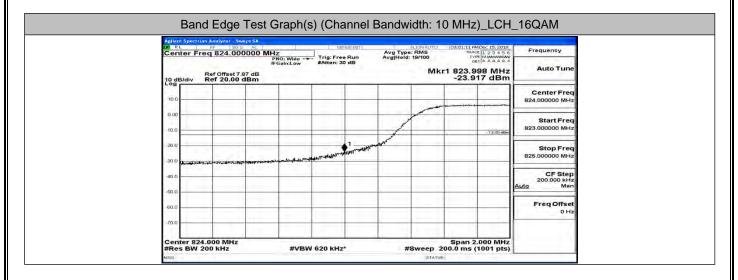


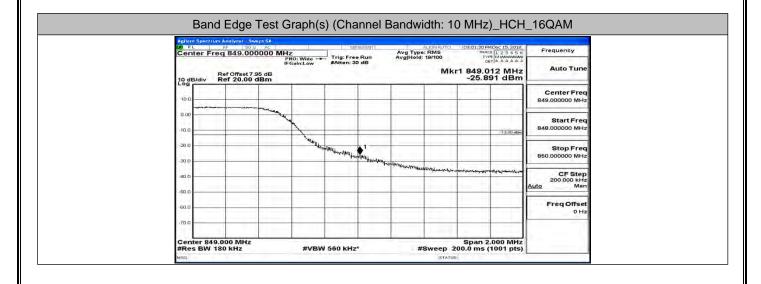












C.5 Conducted Spurious Emission

