

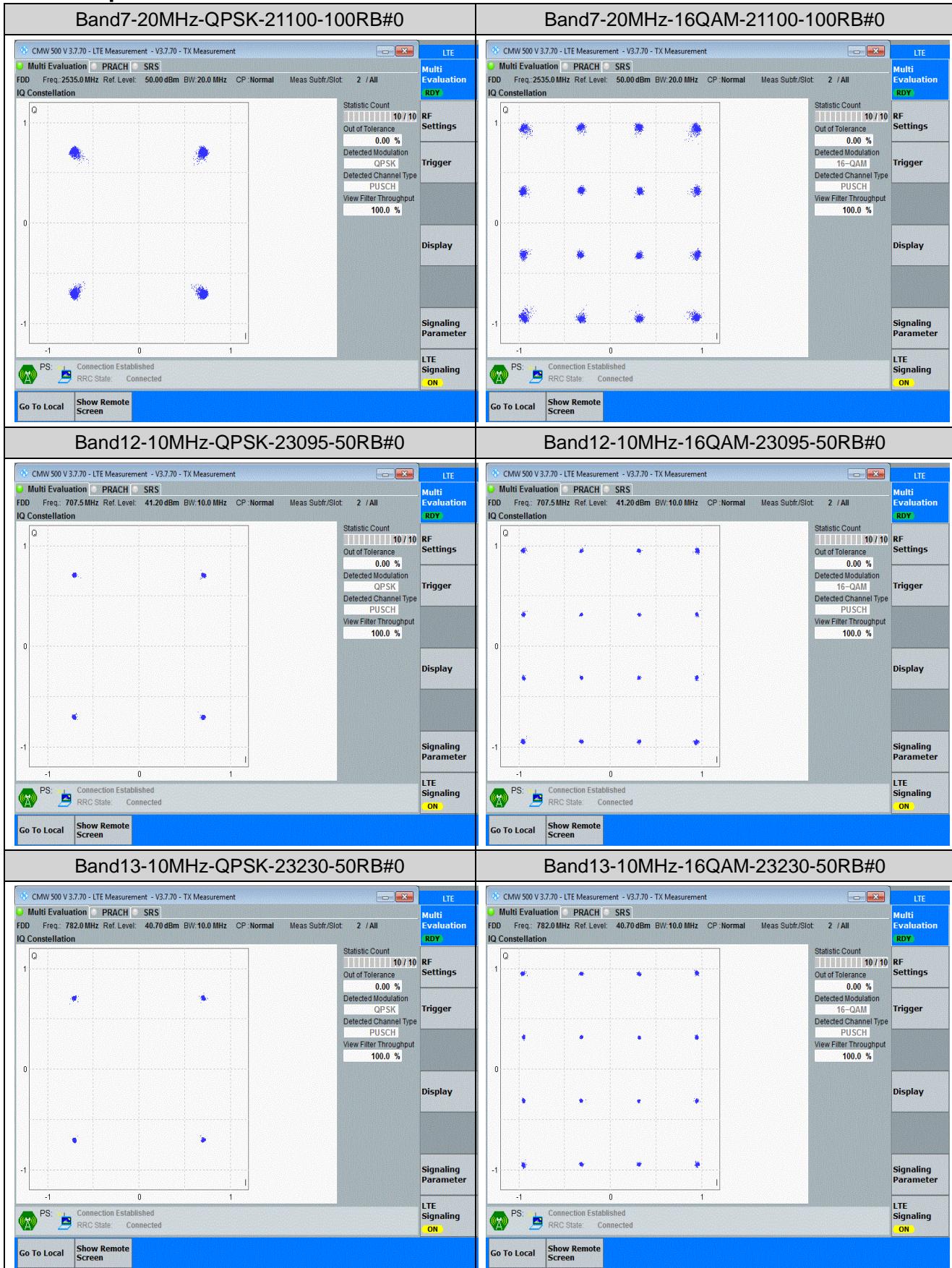
Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS	PASS
Band13	10MHz	16QAM	23230	50RB#0	PASS	PASS
Band25	20MHz	QPSK	26365	100RB#0	PASS	PASS
Band25	20MHz	16QAM	26365	100RB#0	PASS	PASS
Band26	10MHz	QPSK	26740	50RB#0	PASS	PASS
Band26	10MHz	16QAM	26740	50RB#0	PASS	PASS
Band26	15MHz	QPSK	26915	75RB#0	PASS	PASS
Band26	15MHz	16QAM	26915	75RB#0	PASS	PASS
Band41	20MHz	QPSK	40740	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40740	100RB#0	PASS	PASS
Band66	20MHz	QPSK	132322	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132322	100RB#0	PASS	PASS
Band71	20MHz	QPSK	133322	100RB#0	PASS	PASS
Band71	20MHz	16QAM	133322	100RB#0	PASS	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs



<h3>Band25-20MHz-QPSK-26365-100RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 1882.5 MHz Ref. Level: 50.00 dBm BW: 20.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<h3>Band25-20MHz-16QAM-26365-100RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 1882.5 MHz Ref. Level: 50.00 dBm BW: 20.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation 16-QAM Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>
<h3>Band26-10MHz-QPSK-26740-50RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 819.0 MHz Ref. Level: 41.30 dBm BW: 10.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<h3>Band26-10MHz-16QAM-26740-50RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 819.0 MHz Ref. Level: 41.30 dBm BW: 10.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation 16-QAM Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>
<h3>Band26-15MHz-QPSK-26915-75RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 836.5 MHz Ref. Level: 50.00 dBm BW: 15.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation QPSK Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<h3>Band26-15MHz-16QAM-26915-75RB#0</h3> <p>CMW 500 V 3.7.70 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq: 836.5 MHz Ref. Level: 50.00 dBm BW: 15.0 MHz CP: Normal Meas Subfr/Slot: 2 / All</p> <p>IQ Constellation</p> <p>Statistic Count 10 / 10 Out of Tolerance 0.00 % Detected Modulation 16-QAM Detected Channel Type PUSCH View Filter Throughput 100.0 %</p> <p>LTE Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>
<h3>Band41-20MHz-QPSK-40740-100RB#0</h3>	<h3>Band41-20MHz-16QAM-40740-100RB#0</h3>

