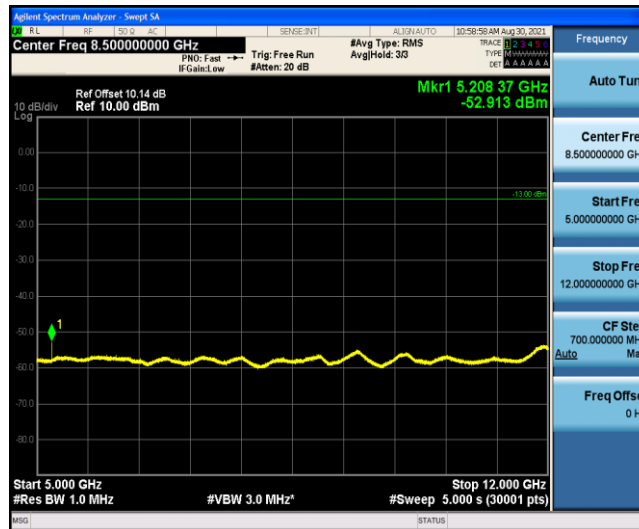
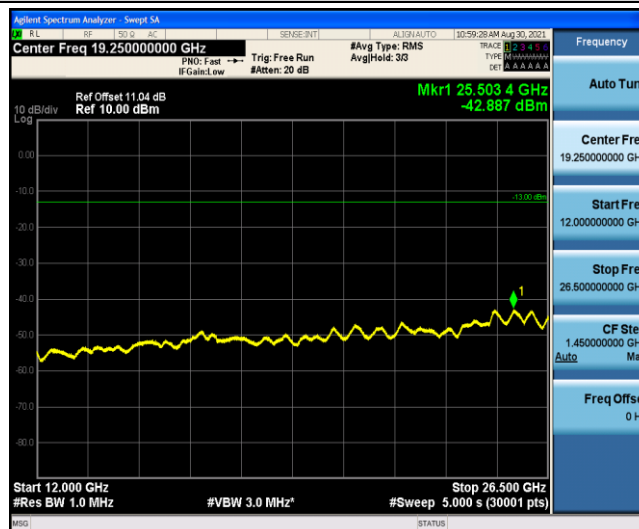
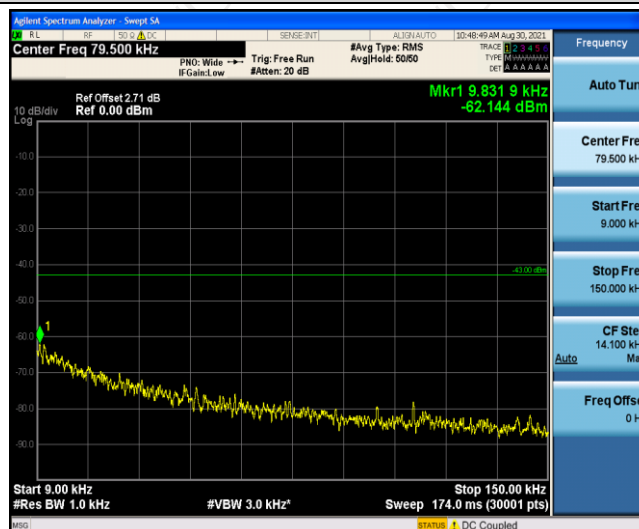




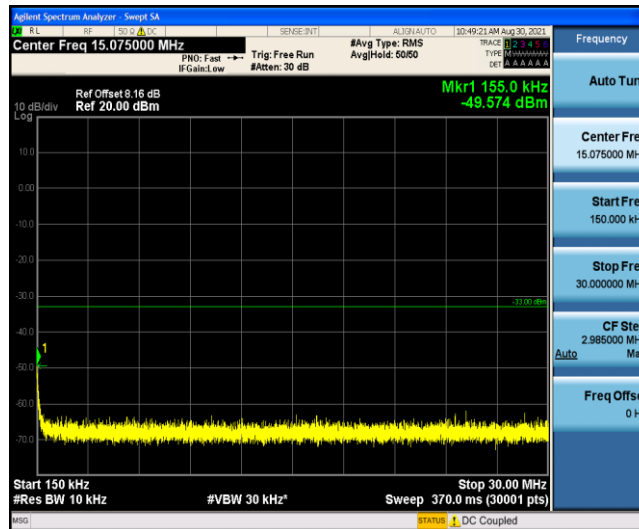
Band4-20MHz-QPSK-20300-1RB#0-Range6:12000~26500MHz



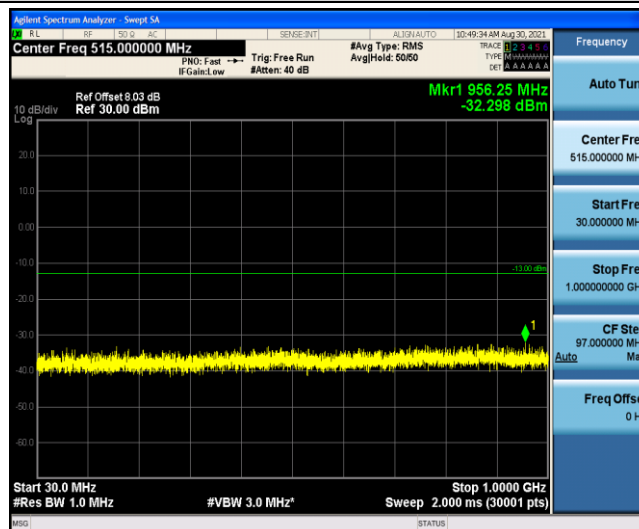
Band4-20MHz-16QAM-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20050-1RB#0-Range2:0.15~30MHz



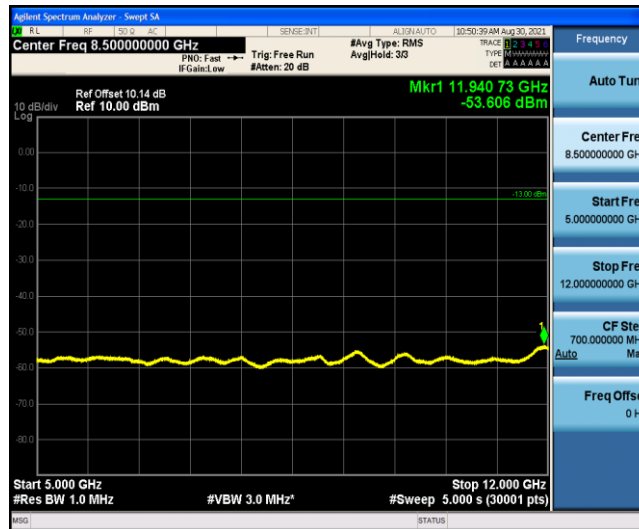
Band4-20MHz-16QAM-20050-1RB#0-Range3:30~1000MHz



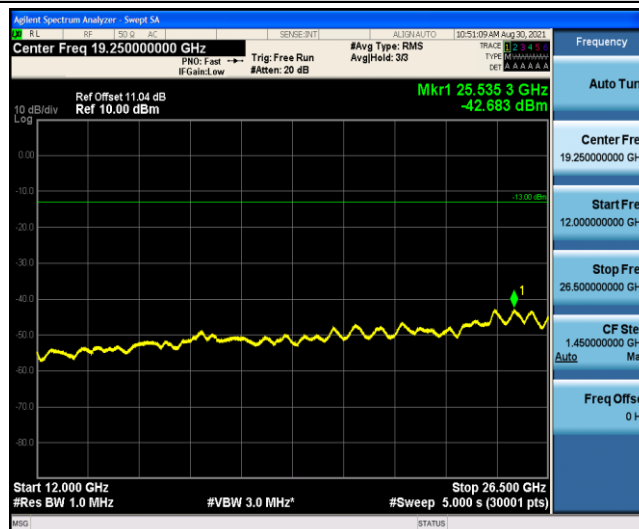
Band4-20MHz-16QAM-20050-1RB#0-Range4:1000~5000MHz



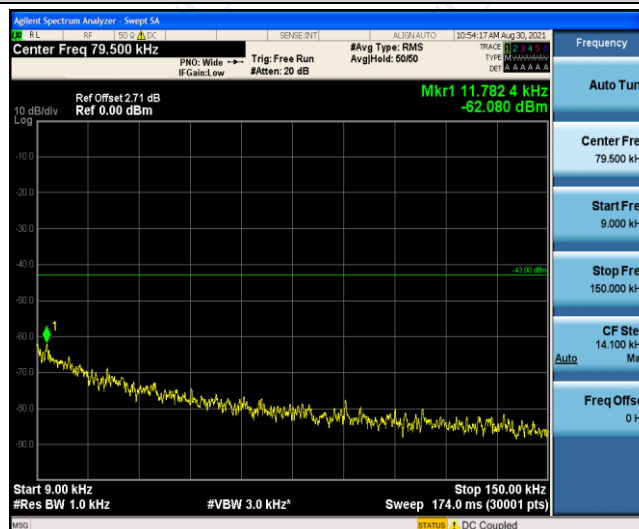
Band4-20MHz-16QAM-20050-1RB#0-Range5:5000~12000MHz



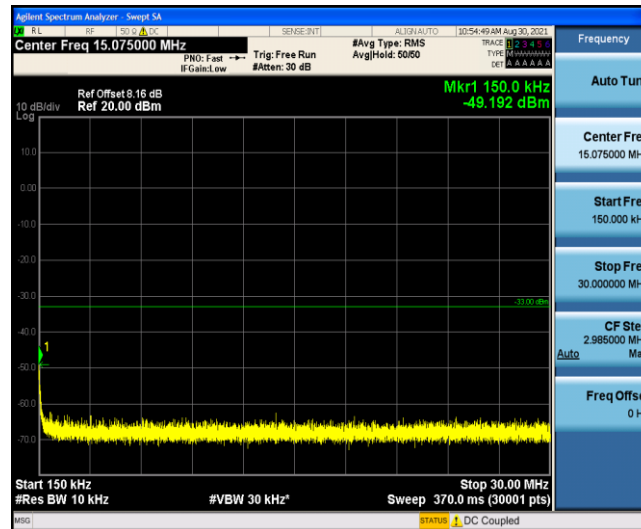
Band4-20MHz-16QAM-20050-1RB#0-Range6:12000~26500MHz



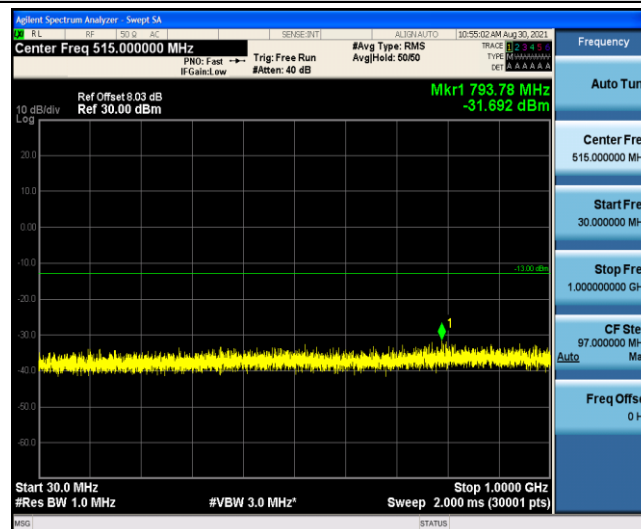
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Band4-20MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



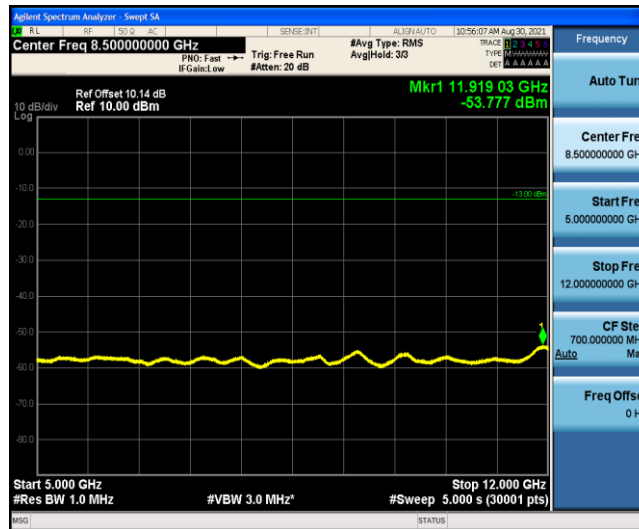
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Band4-20MHz-16QAM-20175-1RB#0-Range4:1000~5000MHz



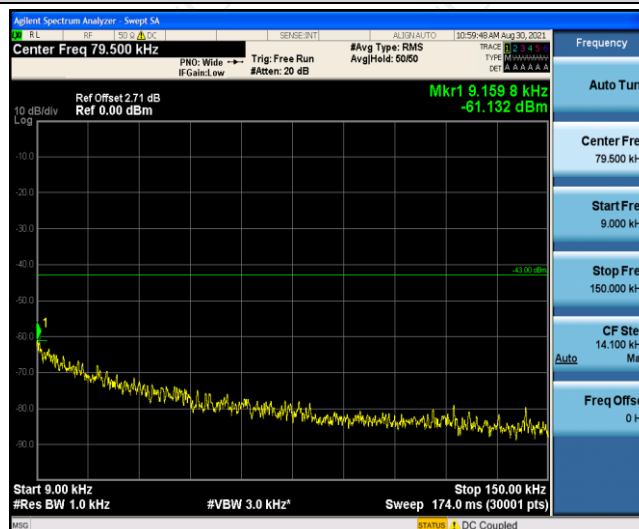
Band4-20MHz-16QAM-20175-1RB#0-Range5:5000~12000MHz



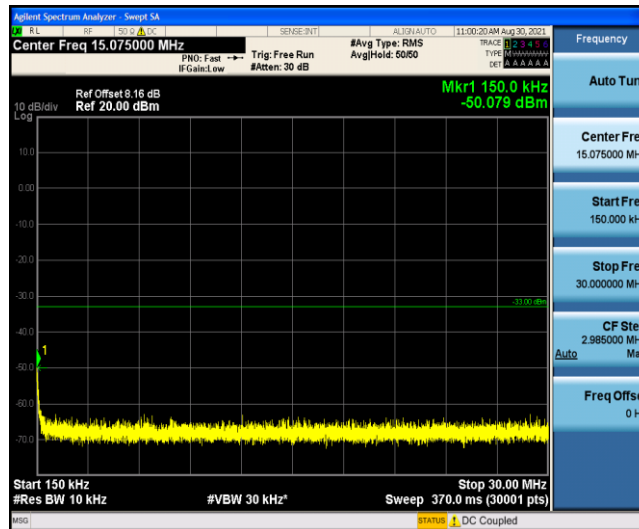
Band4-20MHz-16QAM-20175-1RB#0-Range6:12000~26500MHz



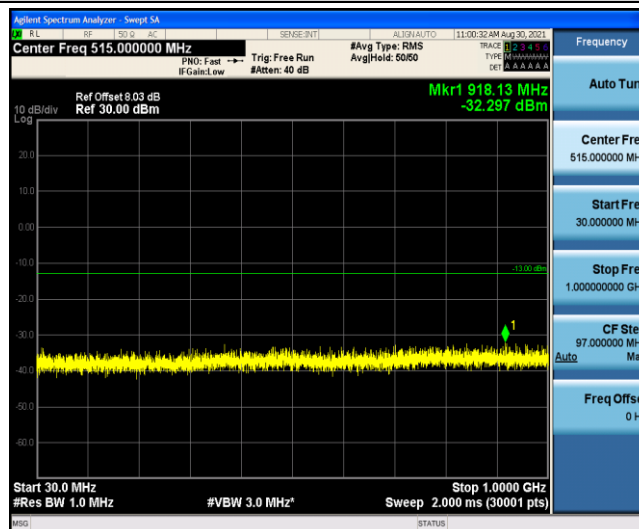
Band4-20MHz-16QAM-20300-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:0.15~30MHz



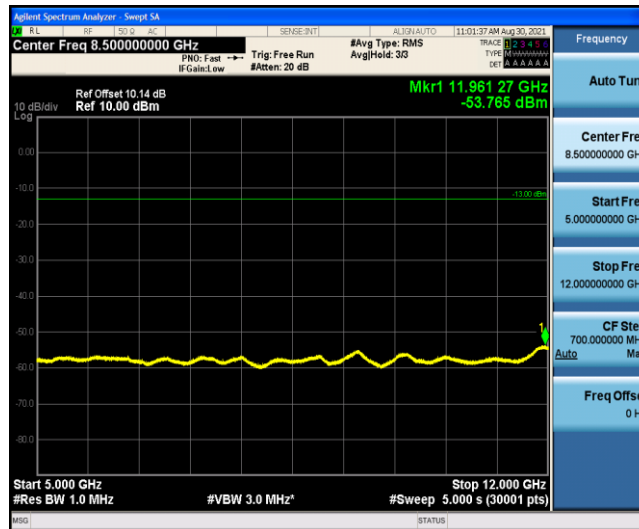
Band4-20MHz-16QAM-20300-1RB#0-Range3:30~1000MHz



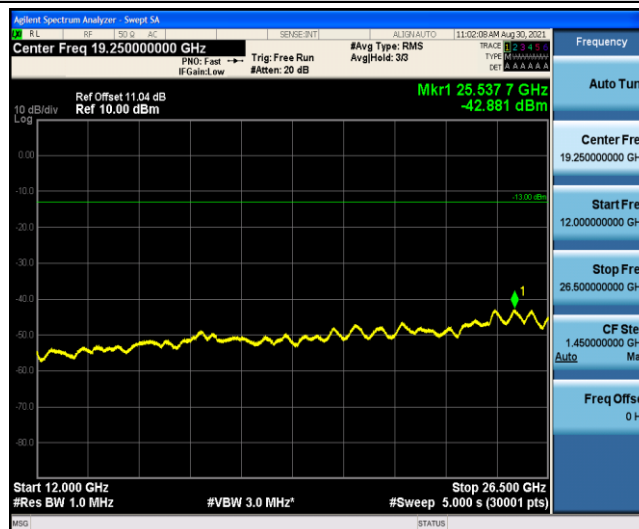
Band4-20MHz-16QAM-20300-1RB#0-Range4:1000~5000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range5:5000~12000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range6:12000~26500MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	25.96	0.015175	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	22.66	0.013246	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	28.91	0.016900	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-12.49	-0.007209	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-6.24	-0.003602	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-9.20	-0.005310	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-24.25	-0.013823	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-29.71	-0.016936	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-48.08	-0.027407	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-32.54	-0.019021	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-27.95	-0.016338	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-29.58	-0.017291	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	19.05	0.010996	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	17.58	0.010147	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-49.21	-0.028404	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-34.46	-0.019643	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-19.77	-0.011269	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-18.57	-0.010585	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	18.21	0.010645	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-8.47	-0.004951	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-19.28	-0.011270	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-24.02	-0.014041	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-27.75	-0.016221	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-8.18	-0.004722	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	4.45	0.002569	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	8.90	0.005137	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	5.32	0.003071	±2.5	PASS

Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	10.53	0.006078	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-42.10	-0.023998	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-32.52	-0.018537	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-14.10	-0.008037	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-7.25	-0.004133	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-22.20	-0.012655	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-31.66	-0.018507	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-28.38	-0.016590	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-26.04	-0.015222	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-26.42	-0.015444	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-26.46	-0.015467	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-43.14	-0.024900	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-48.02	-0.027717	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-50.88	-0.029368	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-31.67	-0.018280	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-50.73	-0.029281	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-3.13	-0.001784	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-47.71	-0.027196	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-16.99	-0.009685	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-50.35	-0.028701	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-41.14	-0.023451	±2.5	PASS

Appendix G: Modulation Characteristics

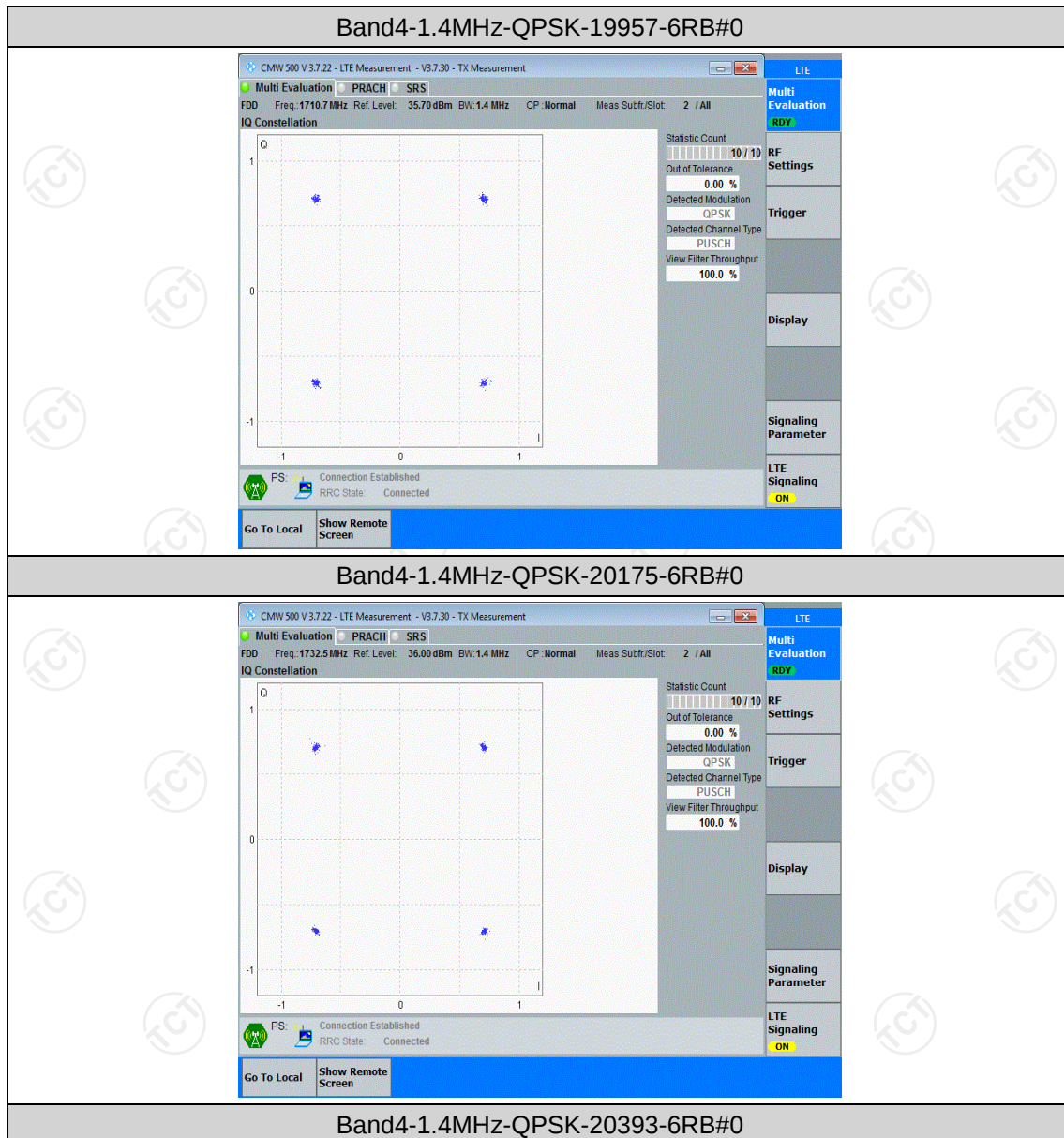
Test Result

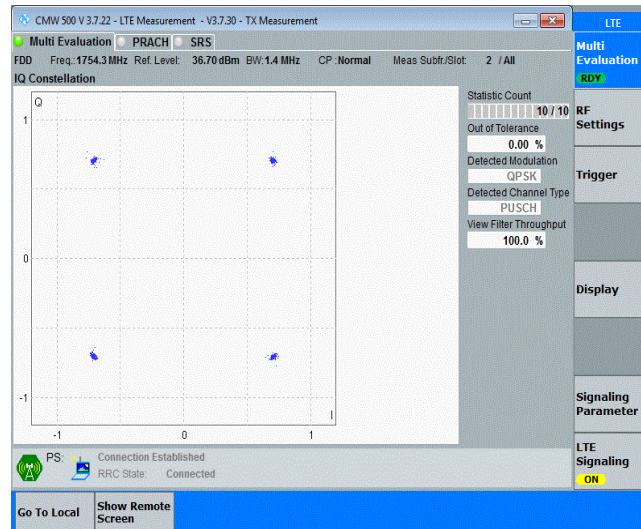
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	PASS	PASS
Band4	3MHz	QPSK	19965	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20175	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20385	15RB#0	PASS	PASS
Band4	3MHz	16QAM	19965	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20175	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20385	15RB#0	PASS	PASS
Band4	5MHz	QPSK	19975	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20175	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20375	25RB#0	PASS	PASS
Band4	5MHz	16QAM	19975	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20375	25RB#0	PASS	PASS
Band4	10MHz	QPSK	20000	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20175	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20350	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20000	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20175	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20350	50RB#0	PASS	PASS
Band4	15MHz	QPSK	20025	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20175	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20325	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20025	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20175	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20325	75RB#0	PASS	PASS
Band4	20MHz	QPSK	20050	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20300	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20050	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS

Band4	20MHz	16QAM	20300	100RB#0	PASS	PASS
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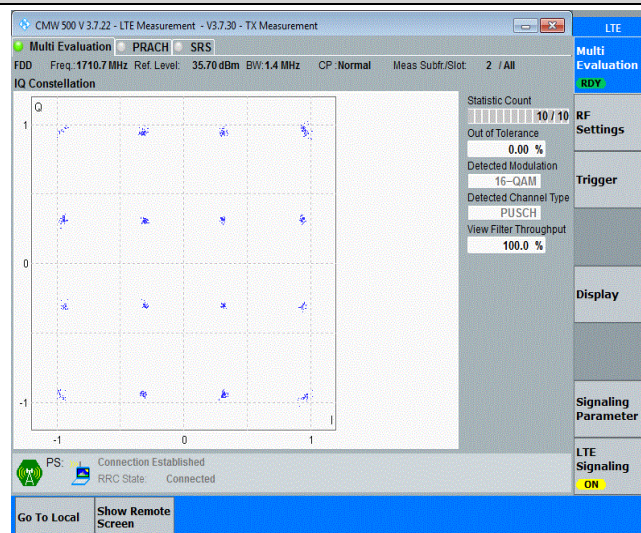


Test Graphs

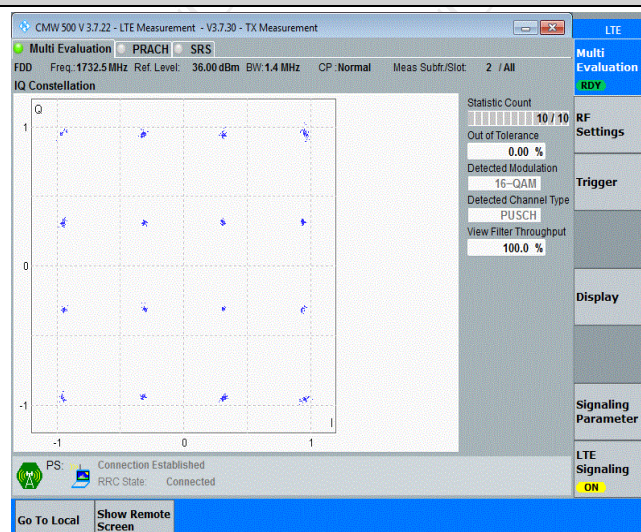




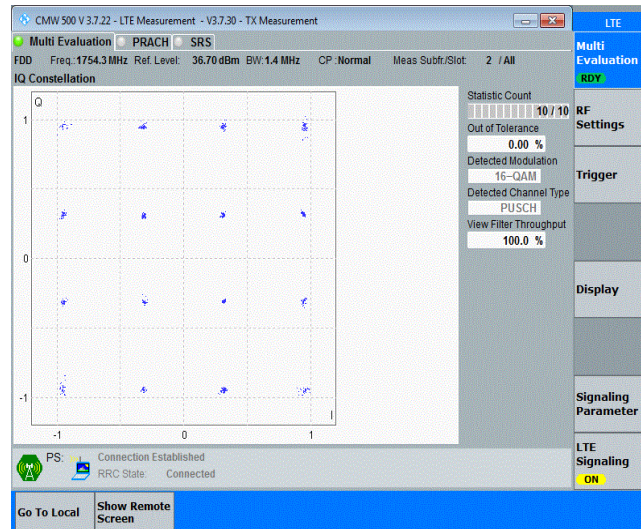
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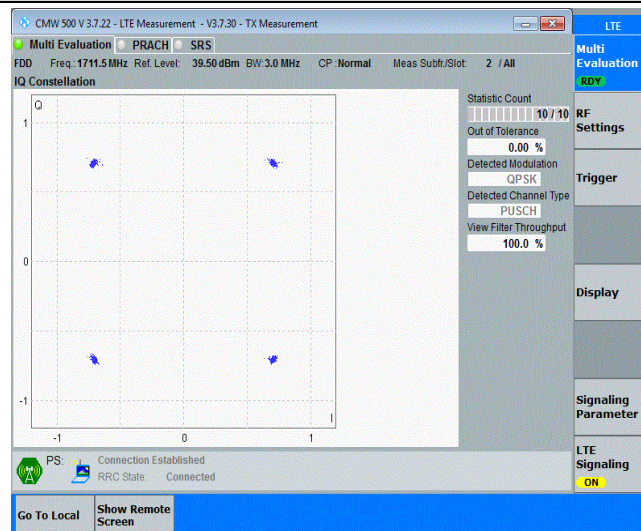
Band4-1.4MHz-16QAM-20175-6RB#0



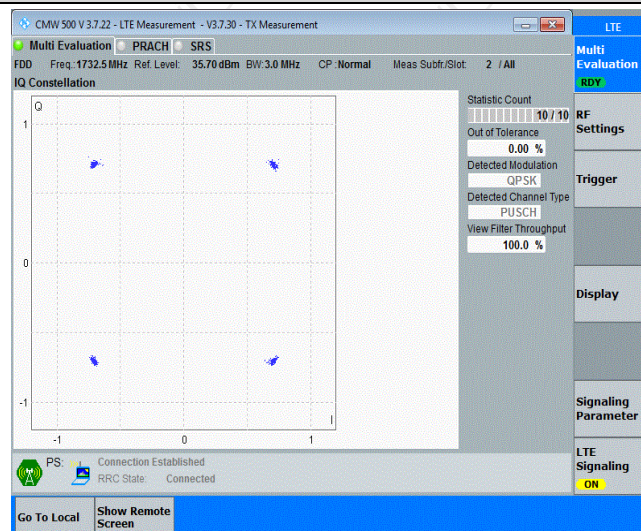
Band4-1.4MHz-16QAM-20393-6RB#0



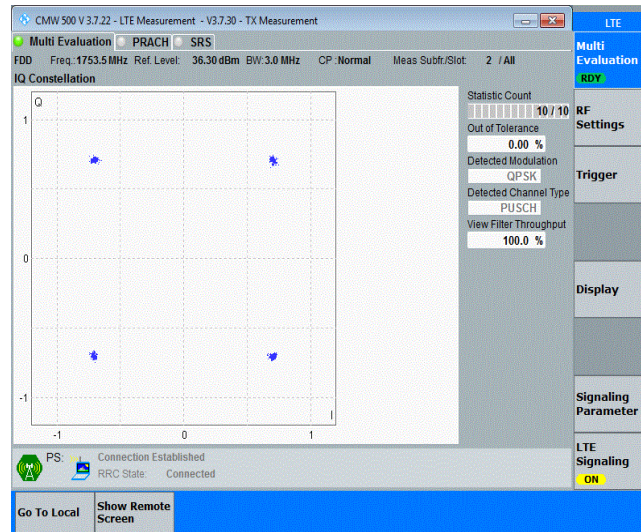
Band4-3MHz-QPSK-19965-15RB#0



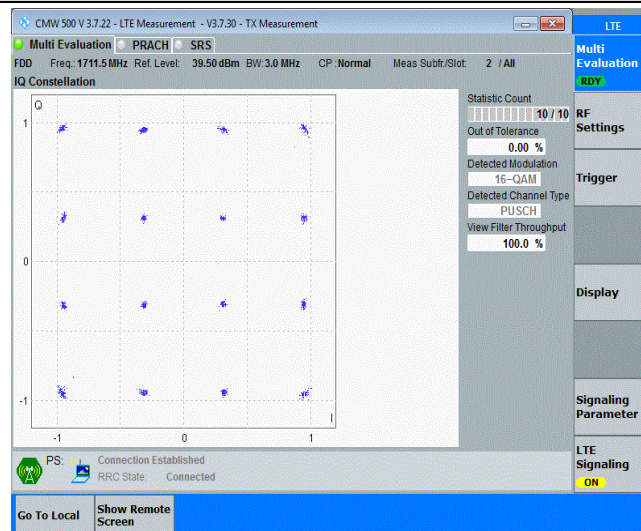
Band4-3MHz-QPSK-20175-15RB#0



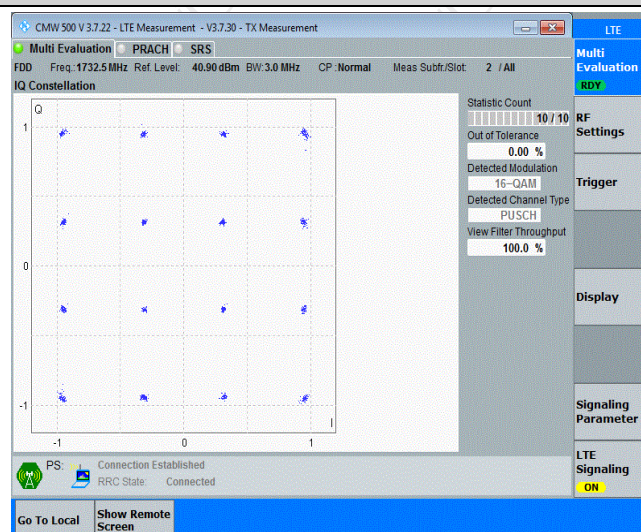
Band4-3MHz-QPSK-20385-15RB#0



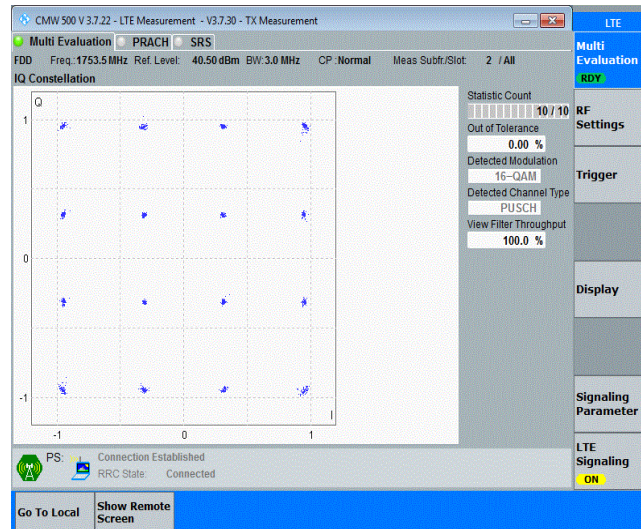
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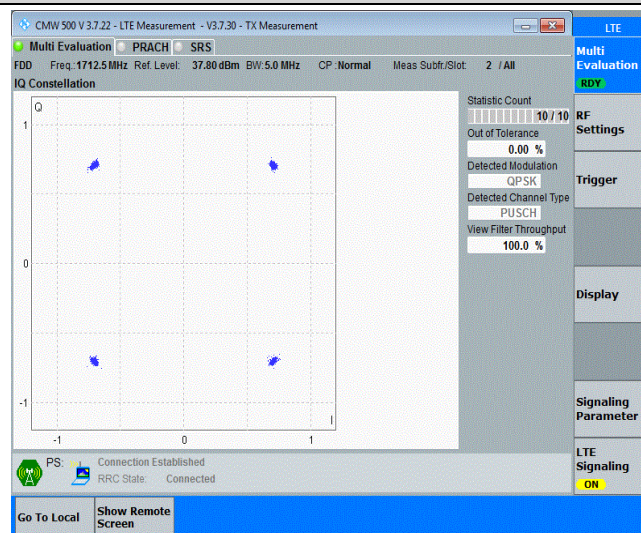
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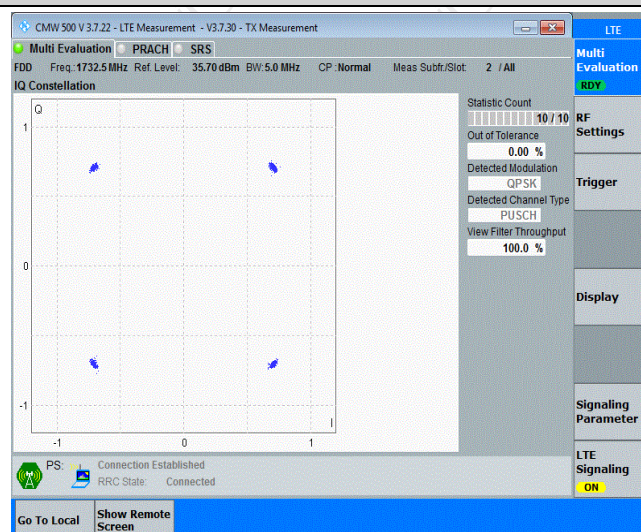
Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-25RB#0



Band4-5MHz-QPSK-20375-25RB#0