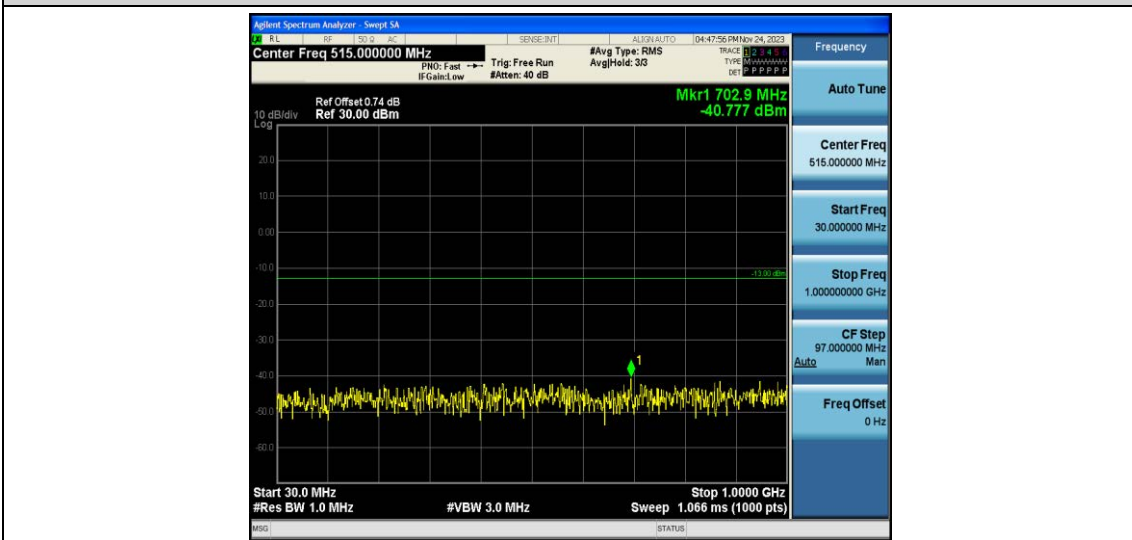
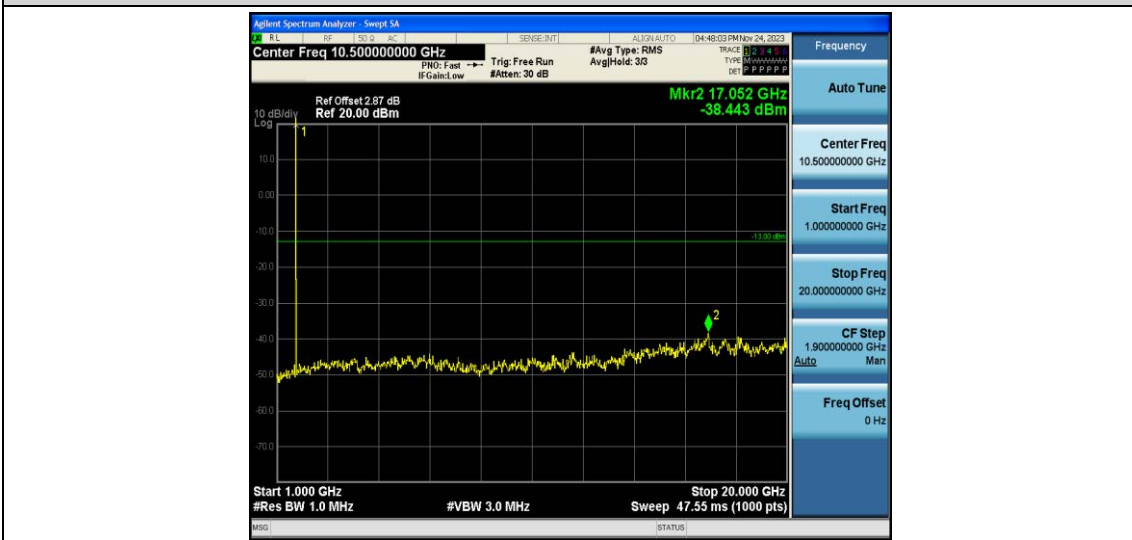


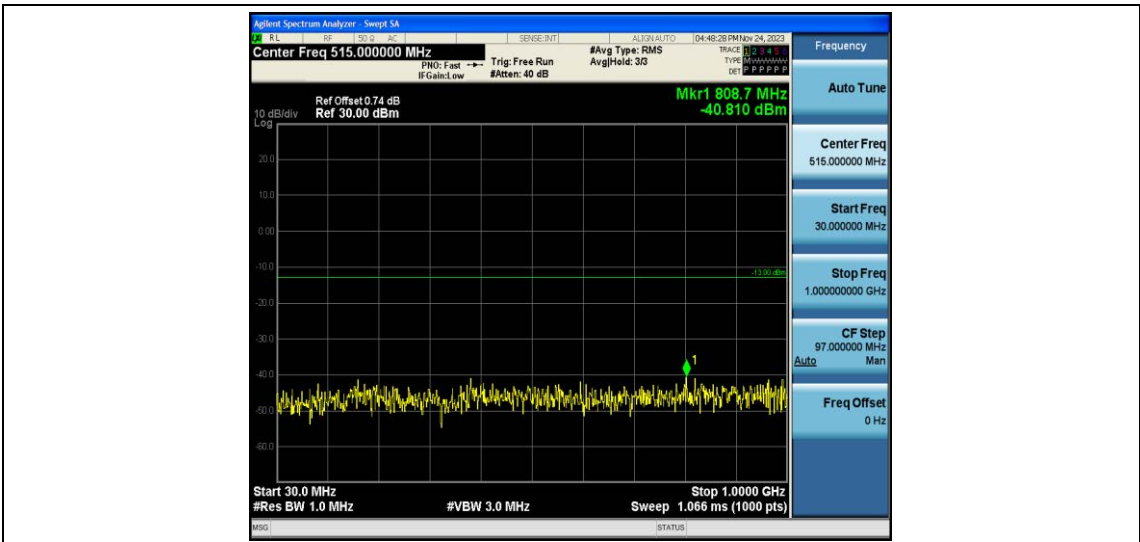
Band4-10MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



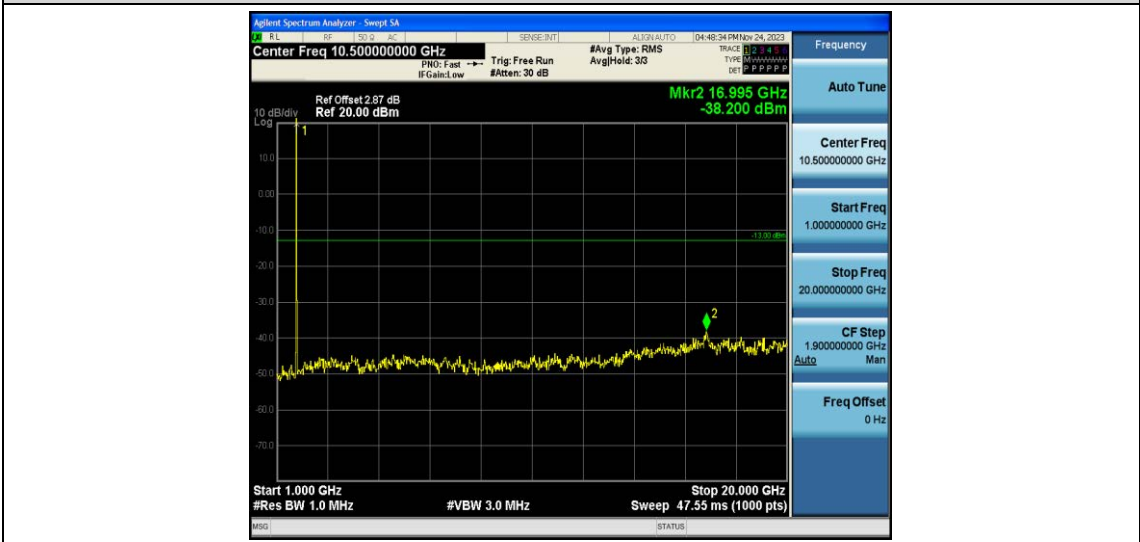
Band4-10MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



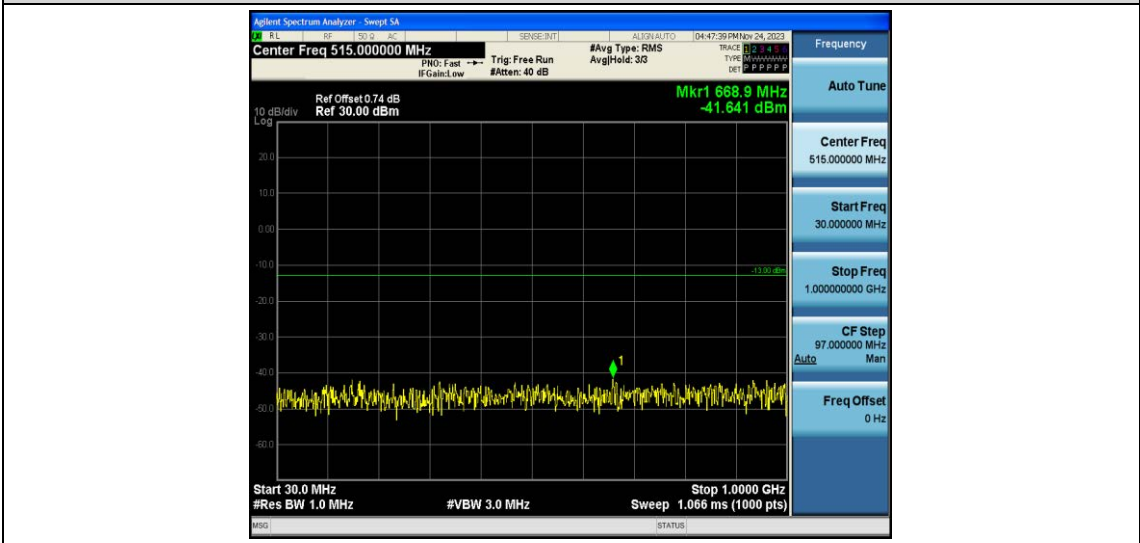
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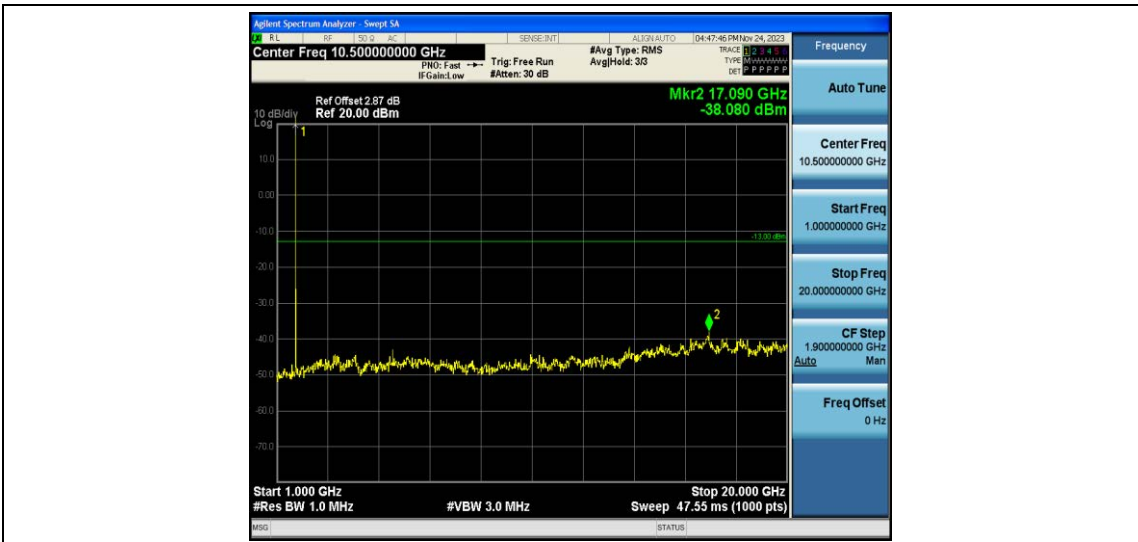
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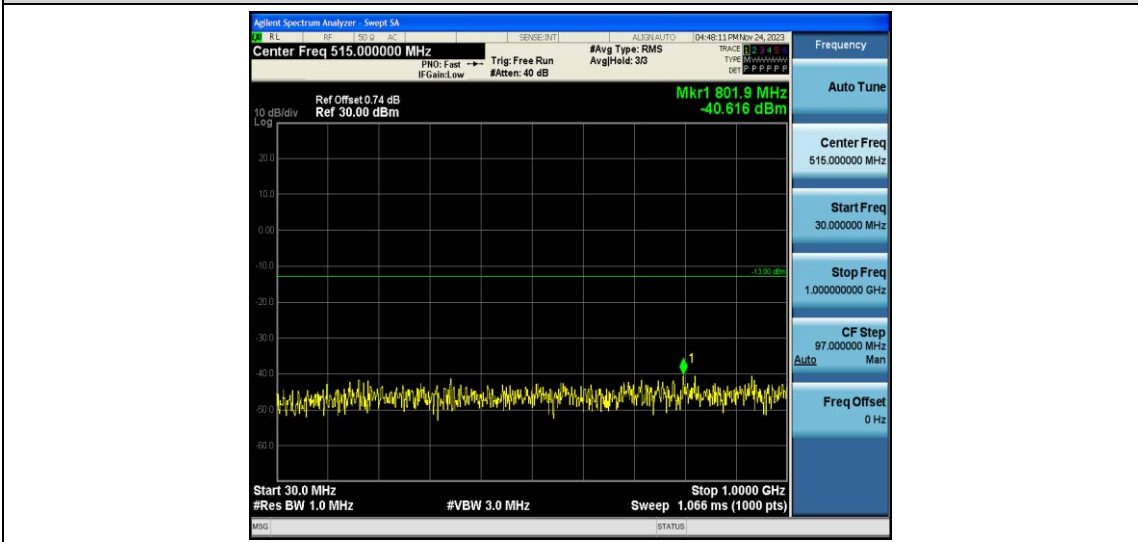
Band4-10MHz-16QAM-20000-1RB#0-Range1:30~1000MHz



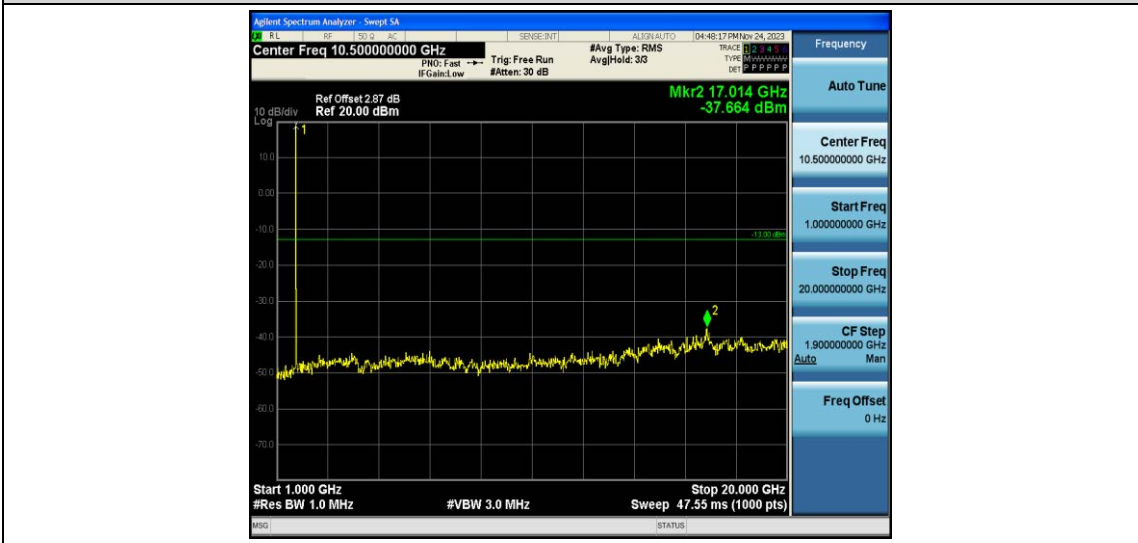
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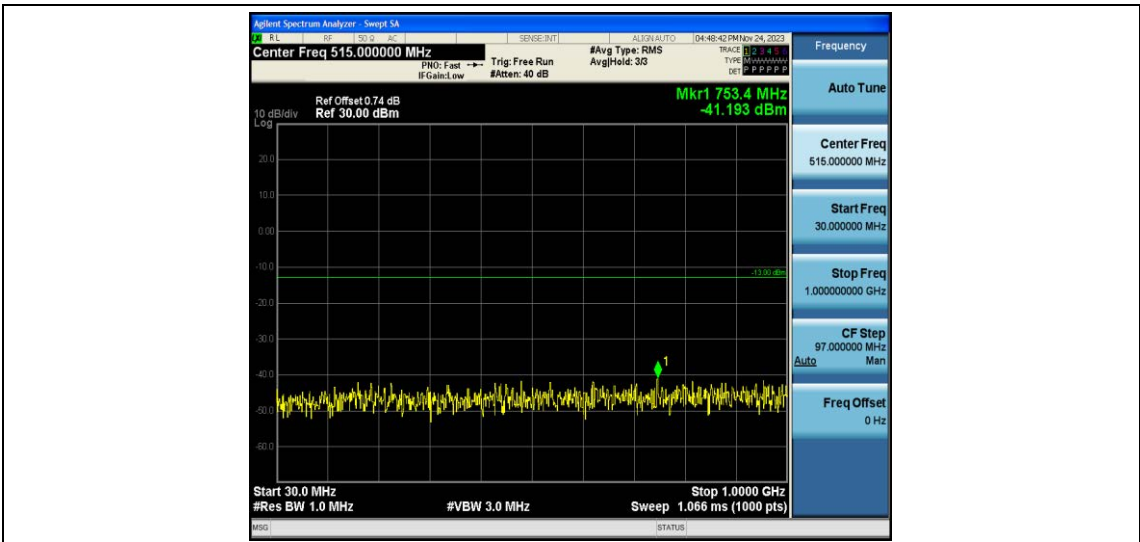
Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



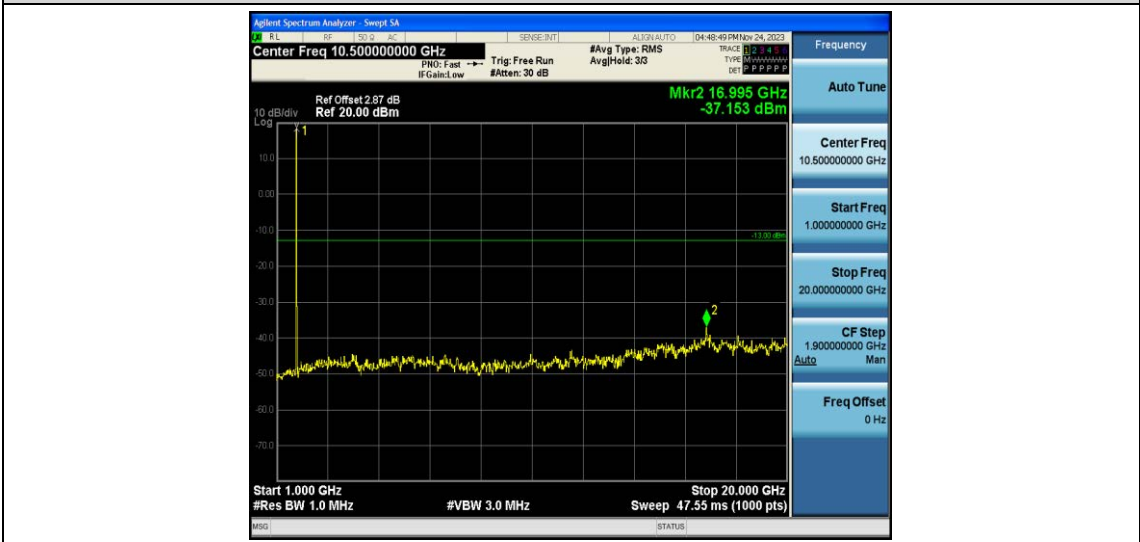
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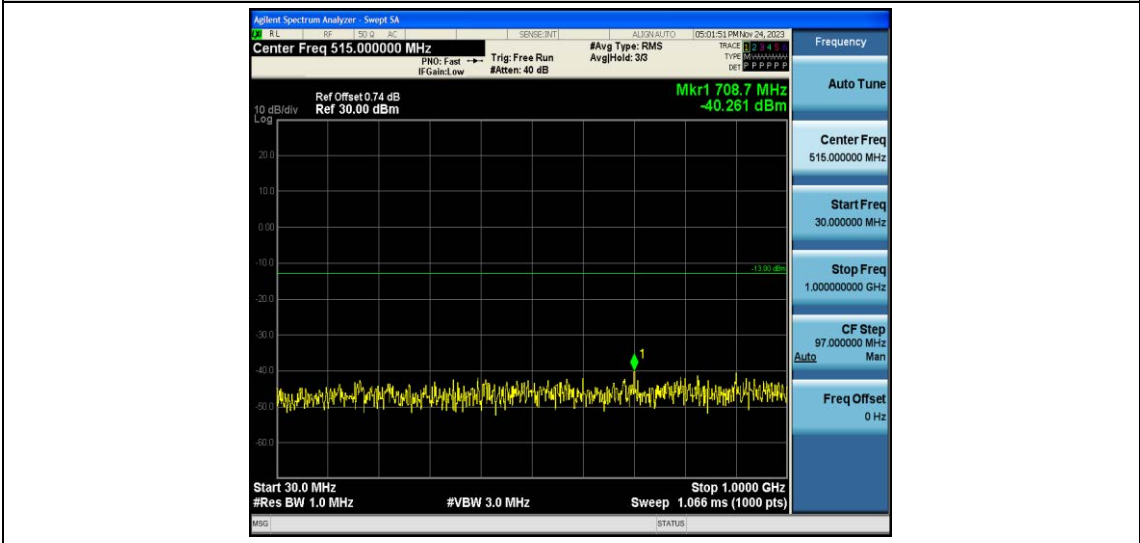
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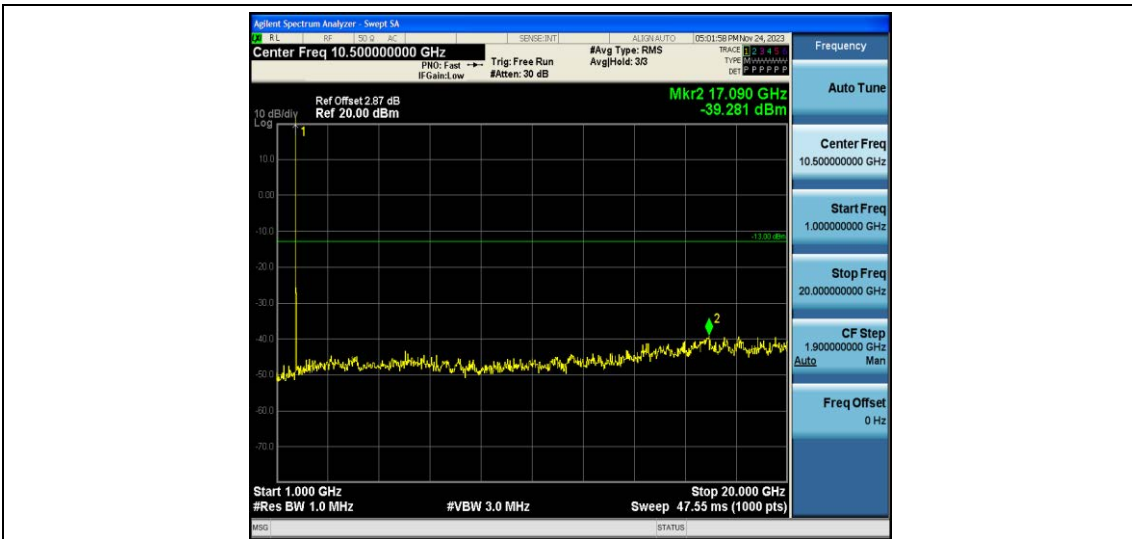
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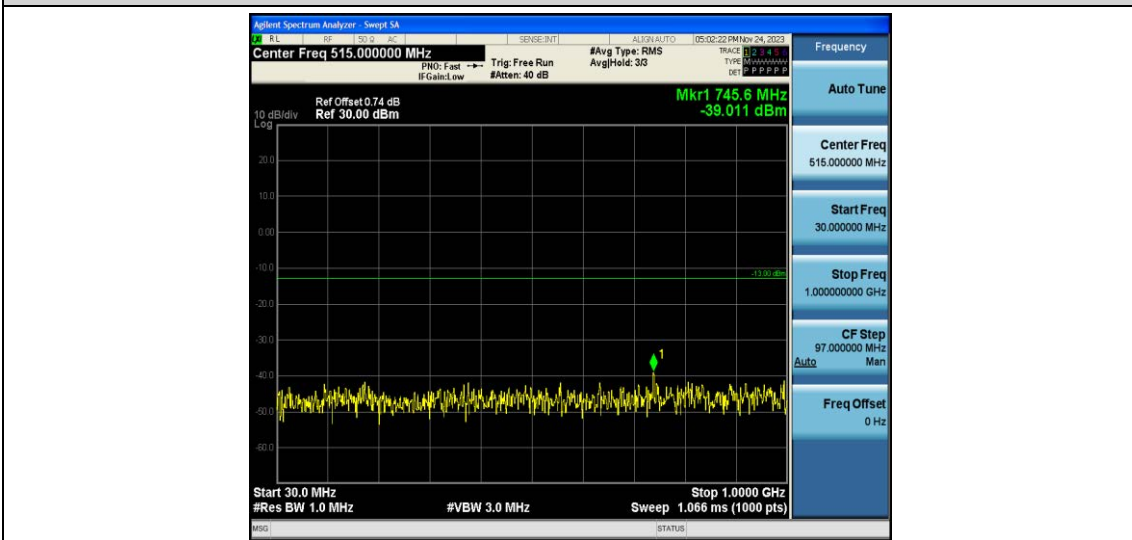
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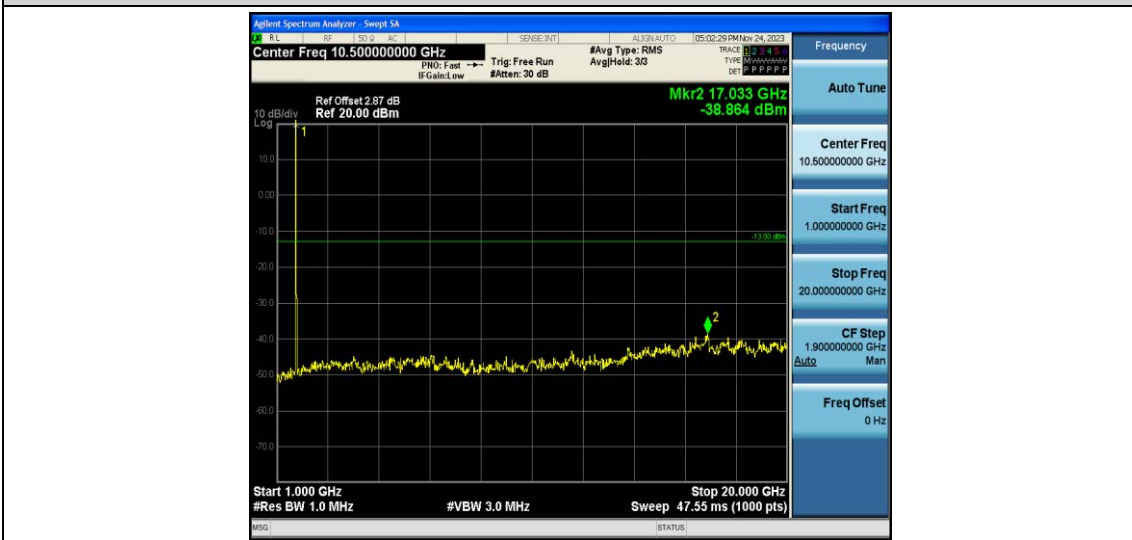
Band4-15MHz-QPSK-20025-1RB#0-Range2:1000~20000MHz



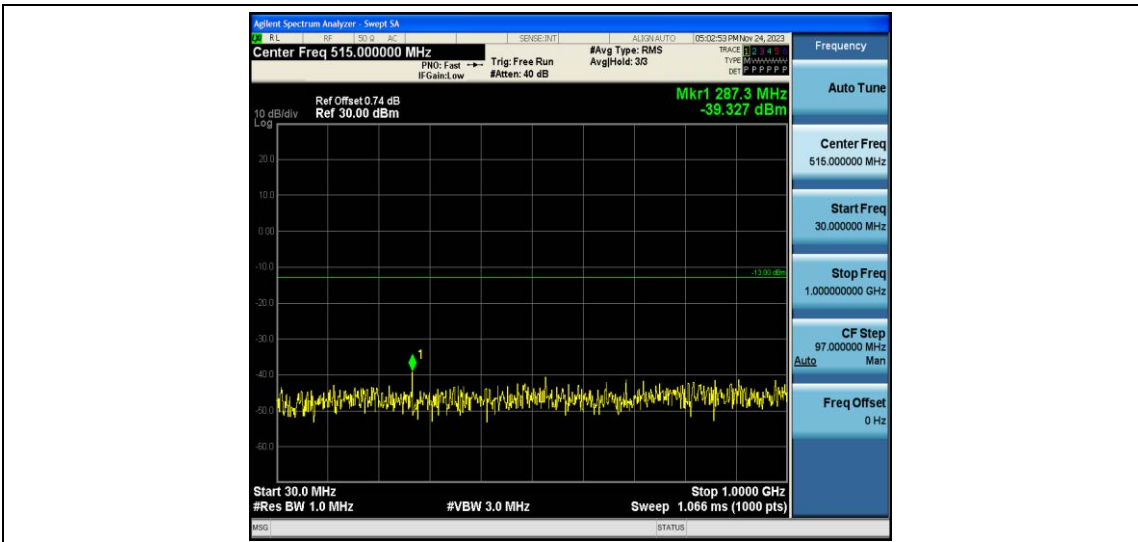
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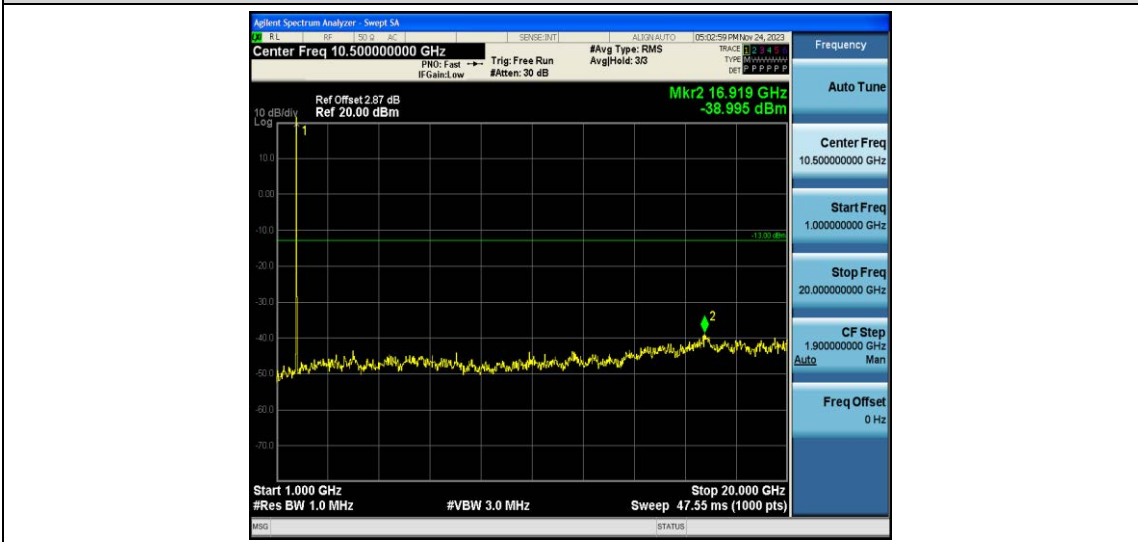
Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



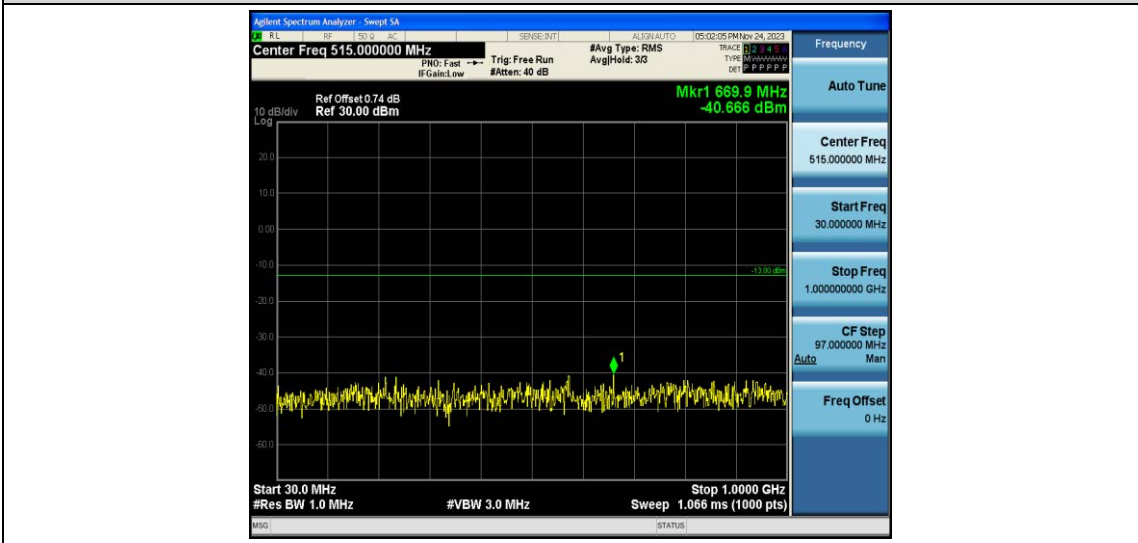
Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



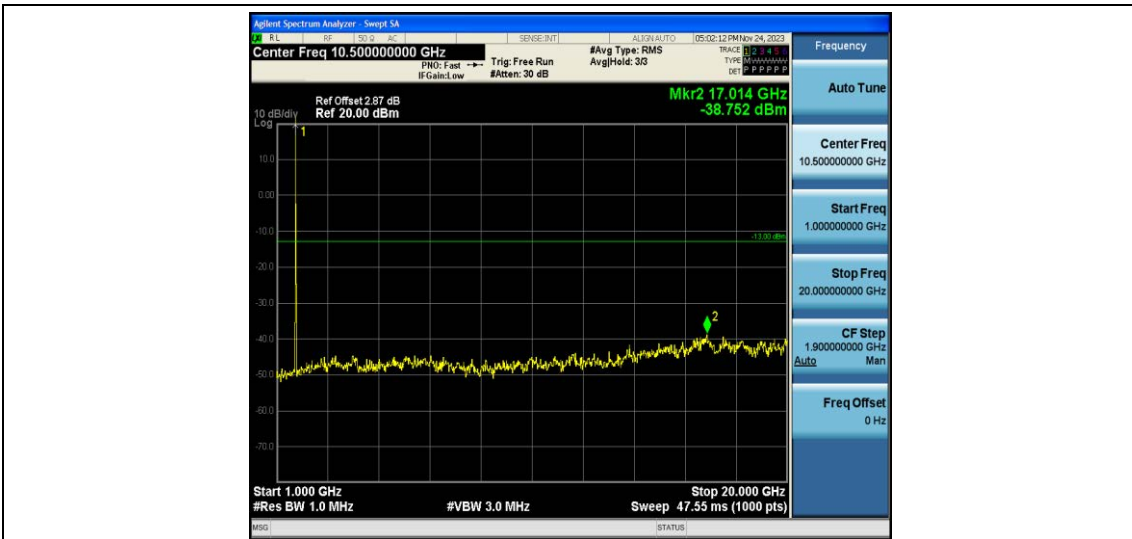
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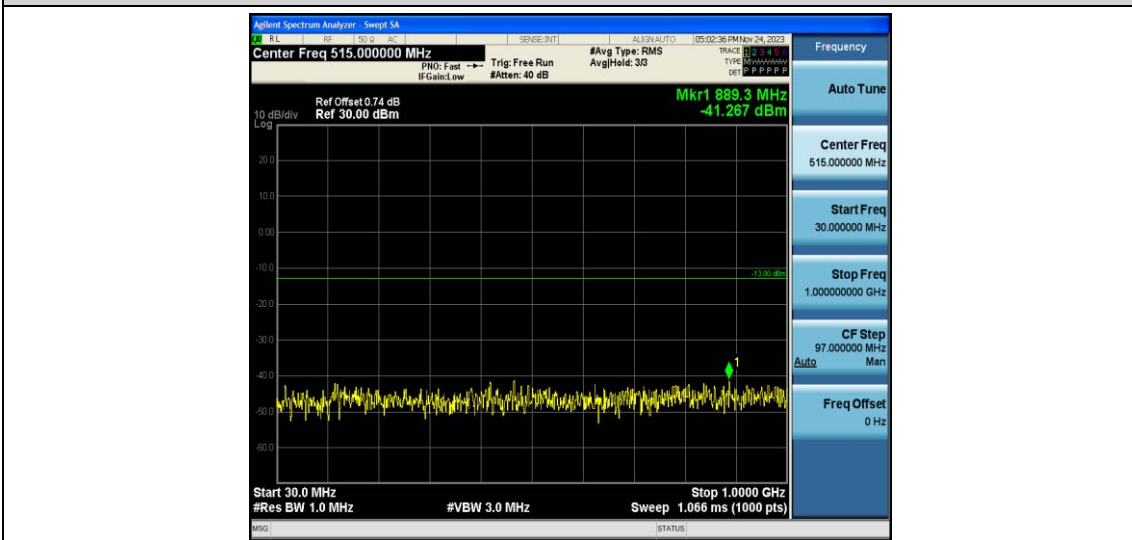
Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



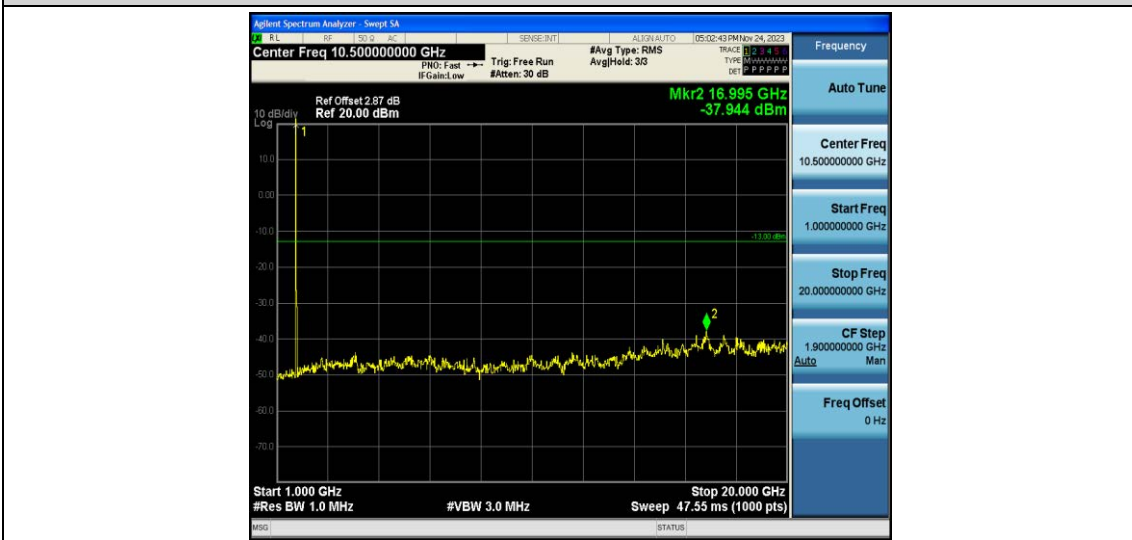
Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~20000MHz



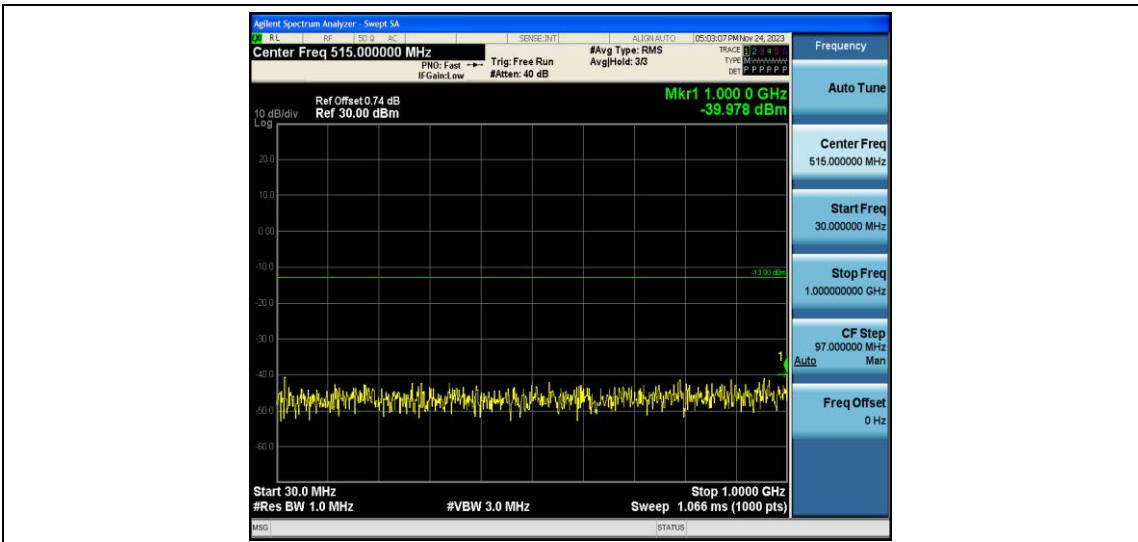
Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



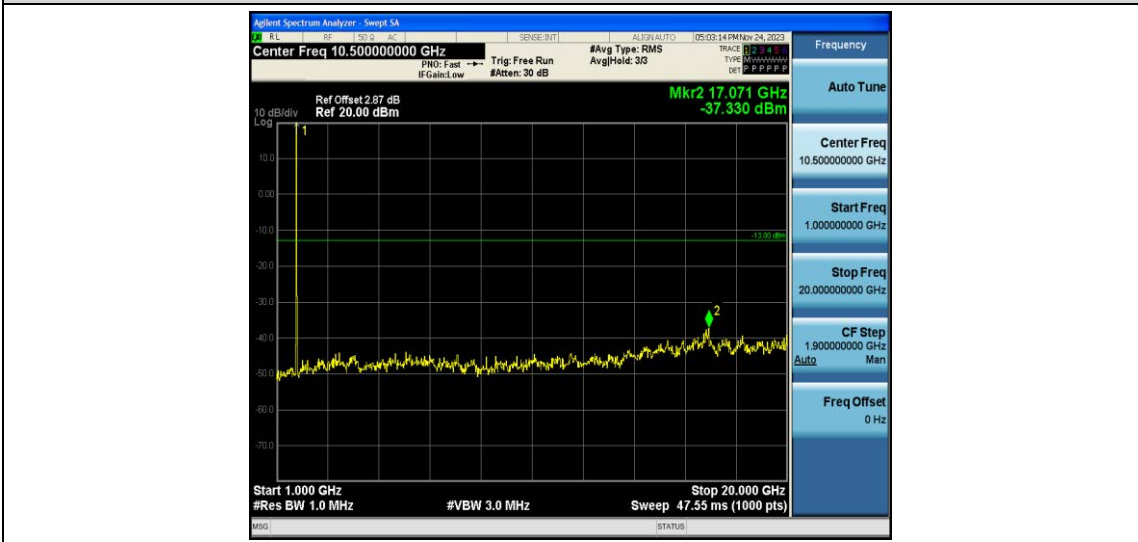
Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



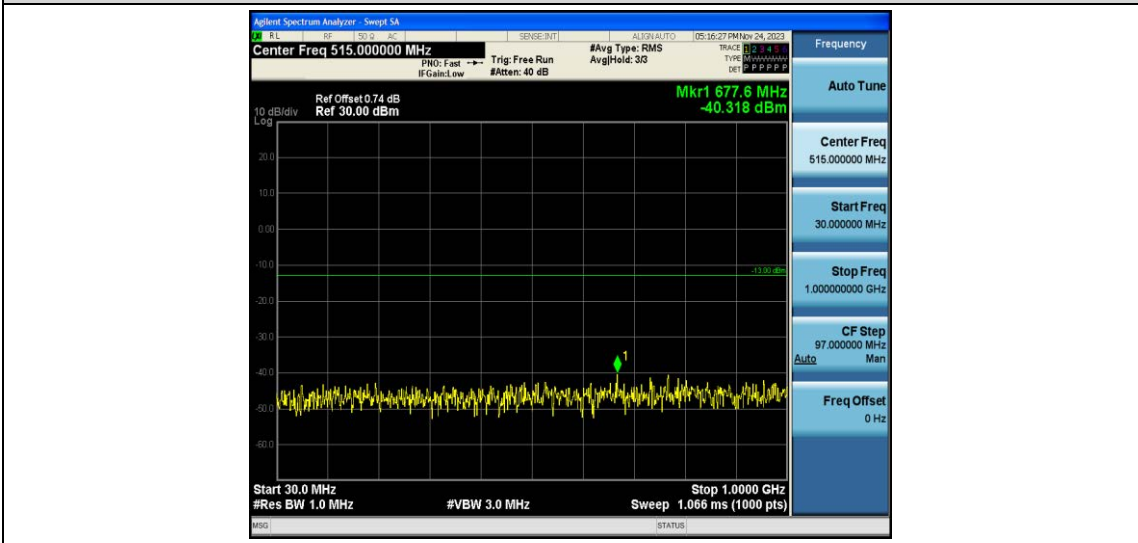
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Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~20000MHz

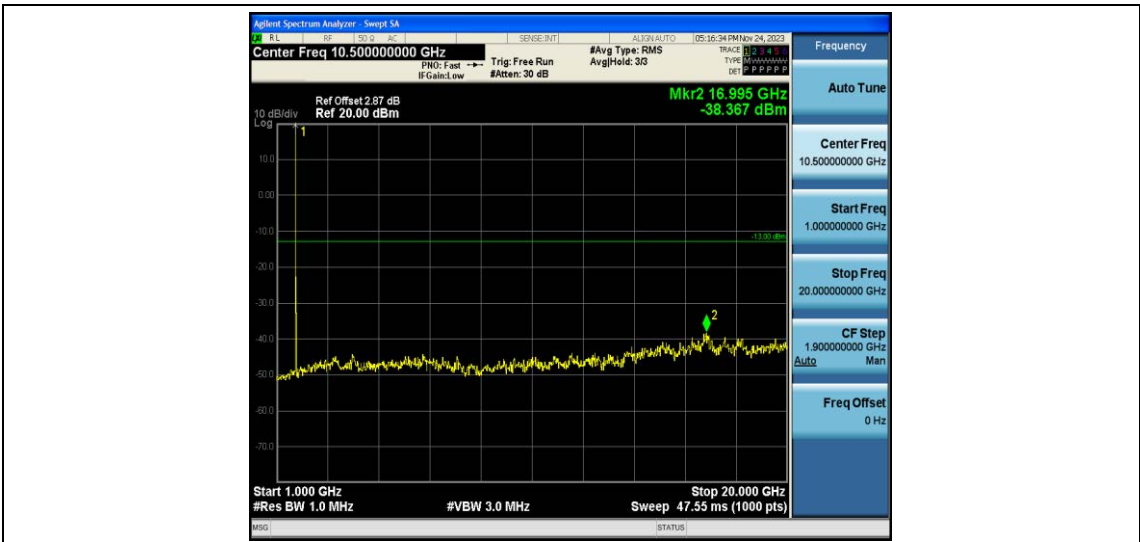


Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz

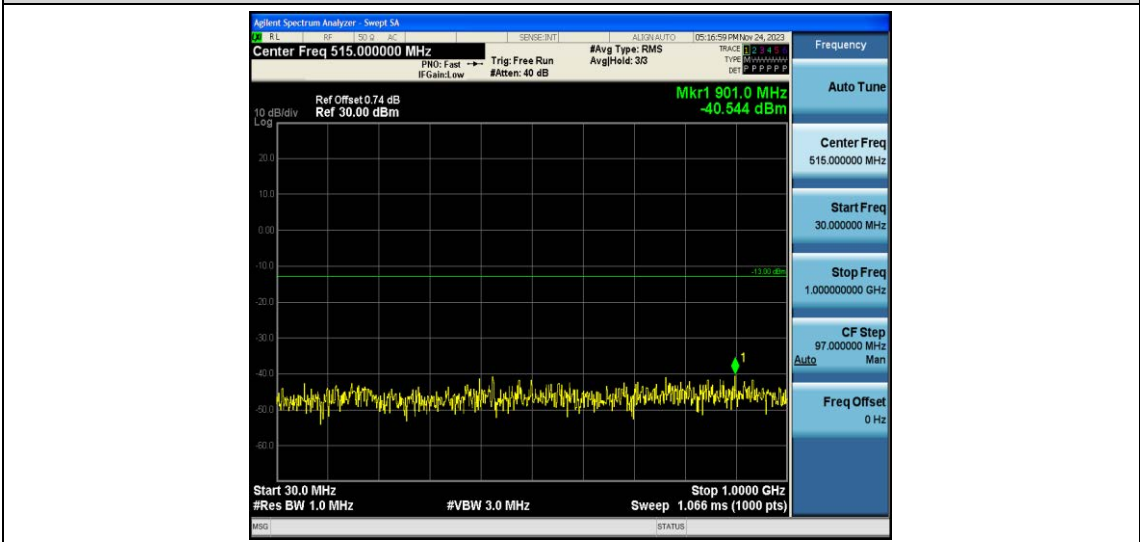


Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz

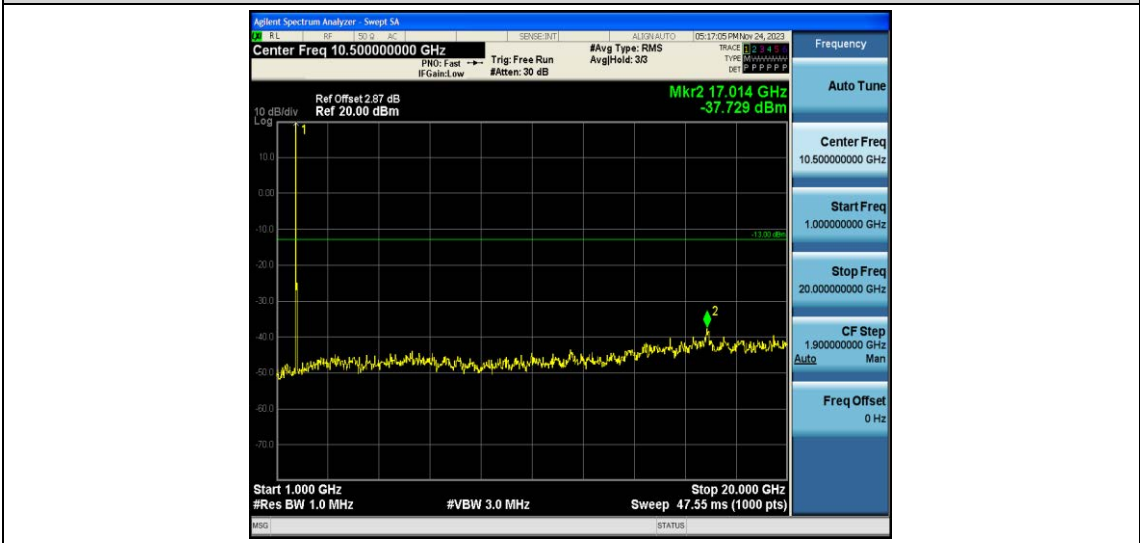




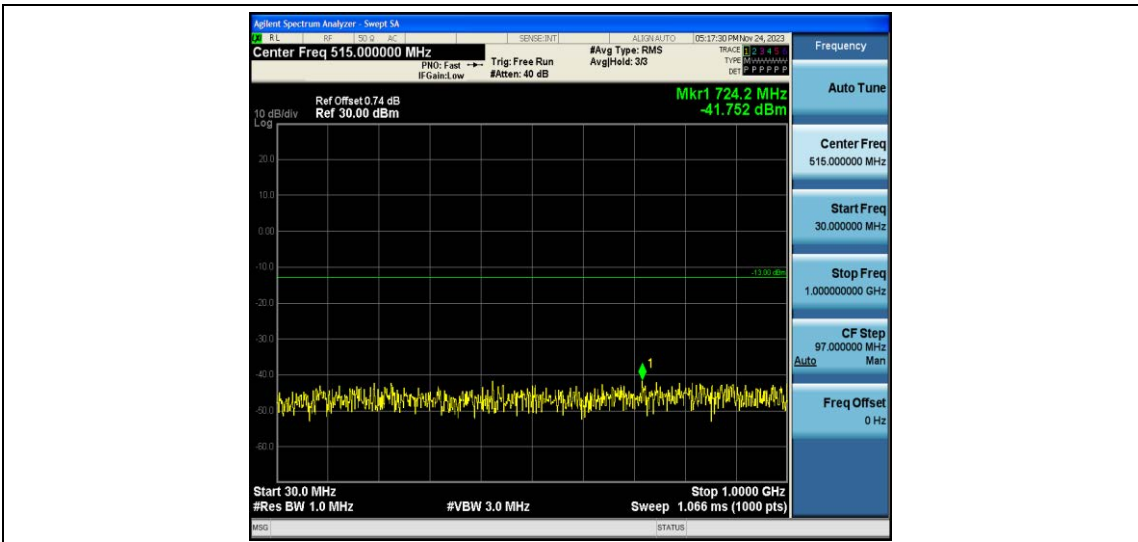
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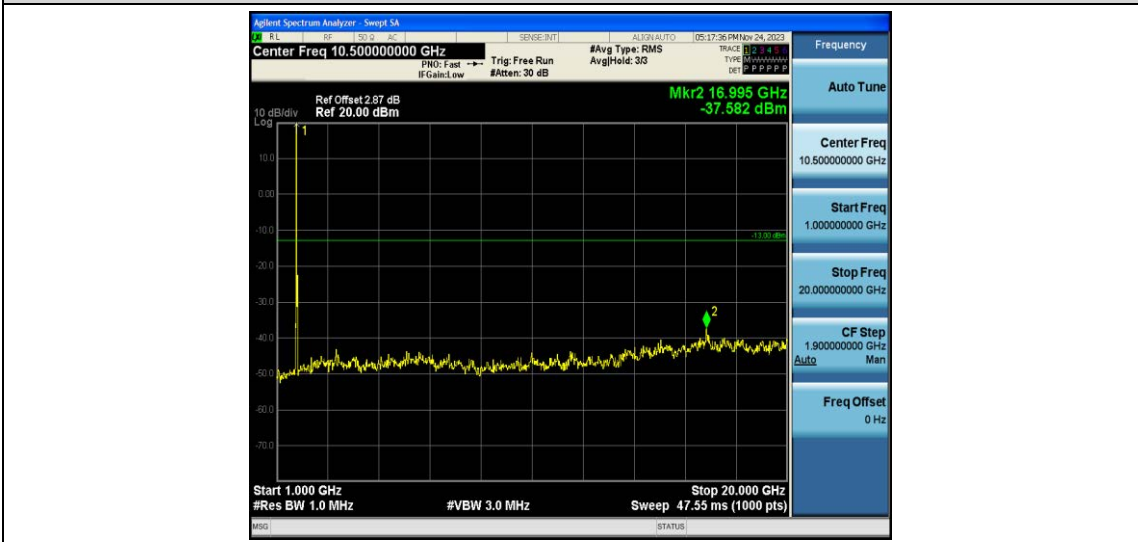
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



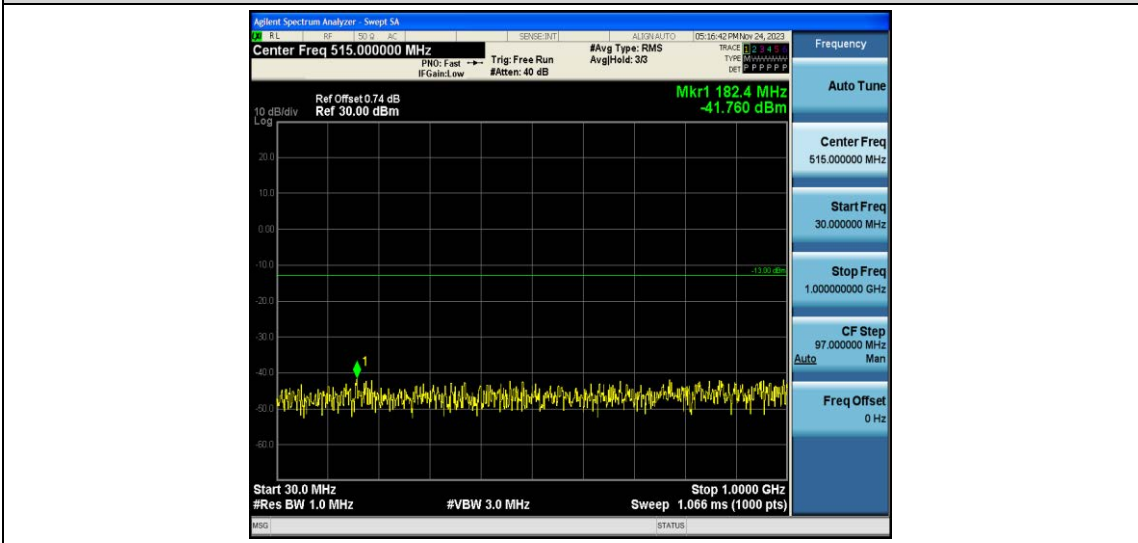
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



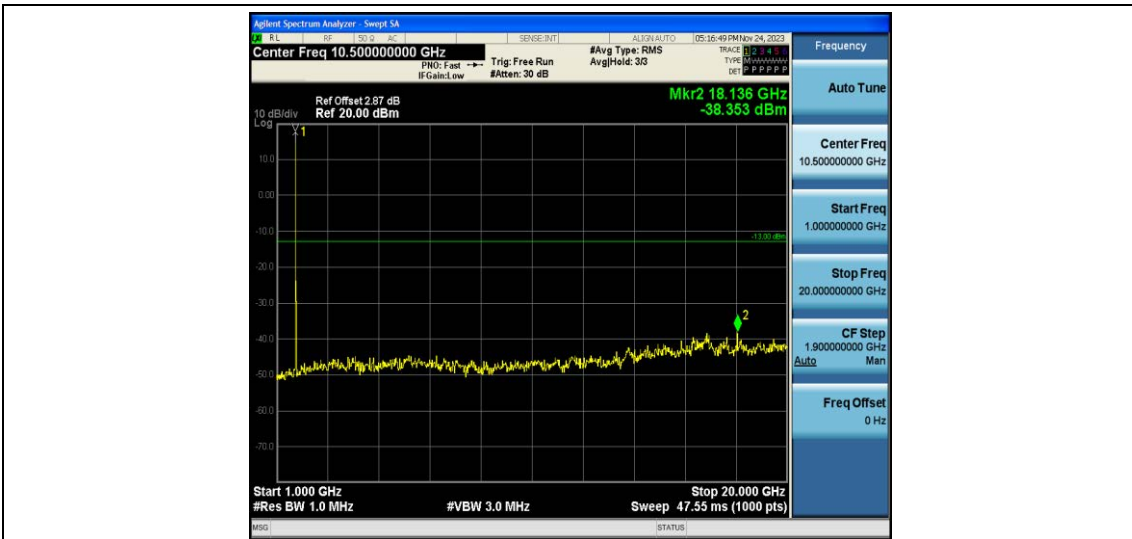
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



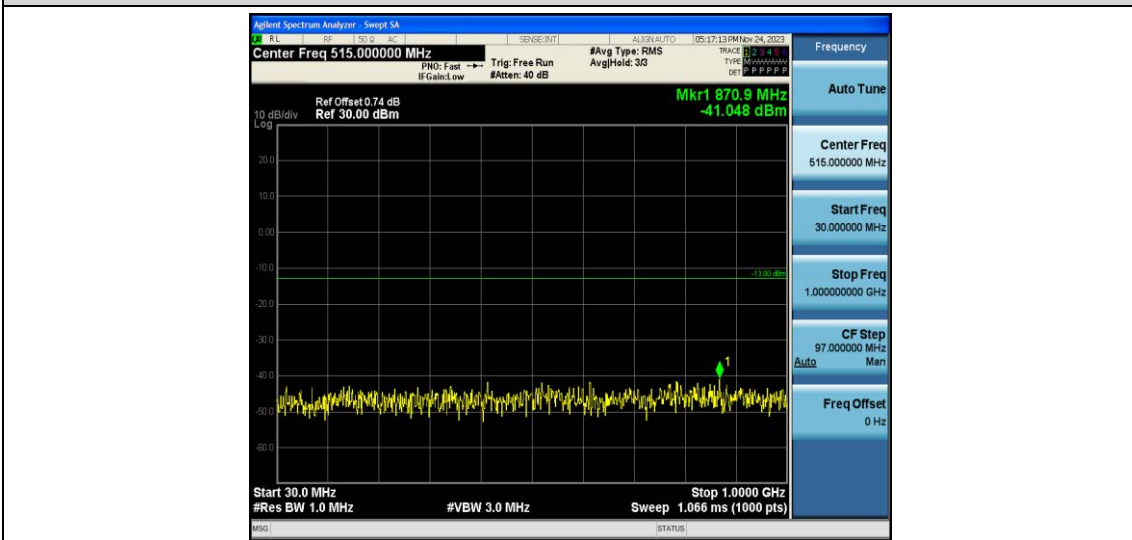
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



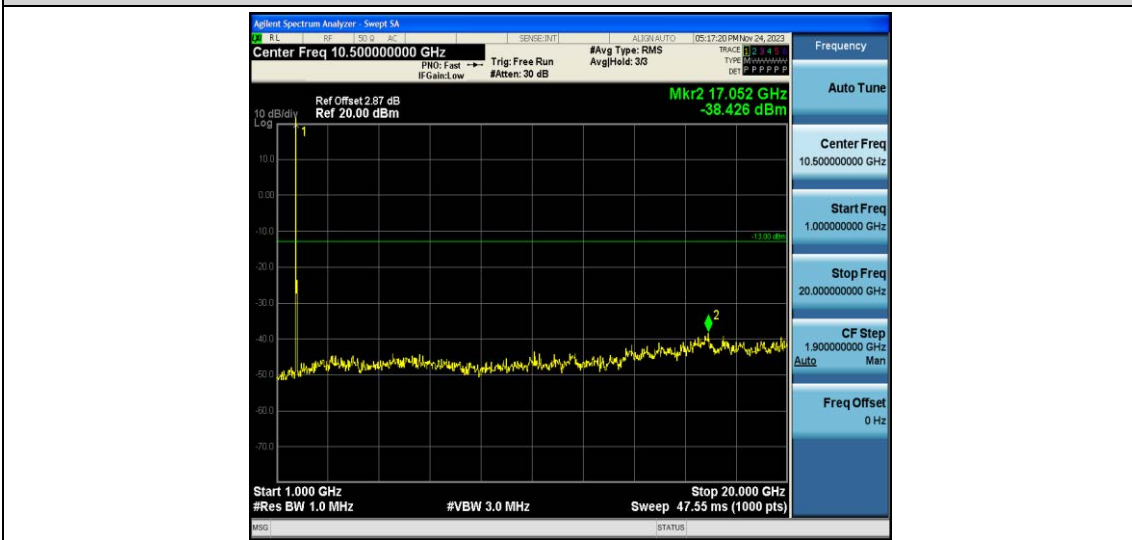
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



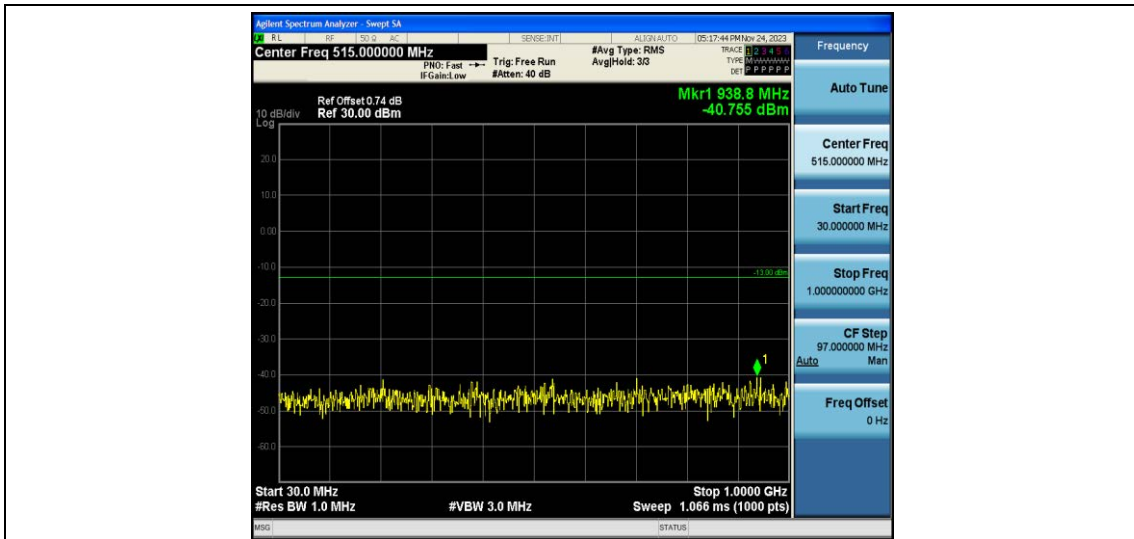
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



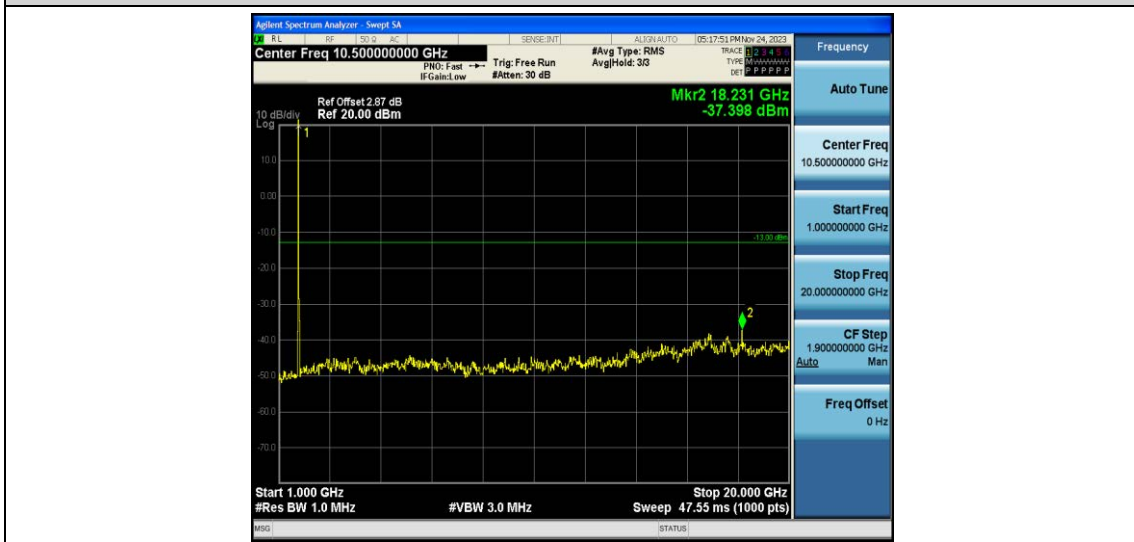
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



## Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	-17.71	-0.010352	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-15.15	-0.008856	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-7.88	-0.004606	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-11.54	-0.006661	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	17.40	0.010043	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-12.16	-0.007019	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-10.61	-0.006048	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	9.38	0.005347	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-16.89	-0.009628	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-6.28	-0.003671	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-8.34	-0.004875	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-5.82	-0.003402	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	9.16	0.005287	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-7.68	-0.004433	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-5.35	-0.003088	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-4.75	-0.002708	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-7.72	-0.004401	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-10.17	-0.005797	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-19.76	-0.011545	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	-9.16	-0.005352	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	-14.91	-0.008712	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-17.14	-0.009893	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	19.43	0.011215	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-14.08	-0.008127	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-14.20	-0.008098	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	12.89	0.007351	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-16.04	-0.009147	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	11.64	0.006801	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	-5.29	-0.003091	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	6.87	0.004014	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-9.38	-0.005414	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-6.81	-0.003931	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-6.14	-0.003544	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	-8.20	-0.004676	±2.5	PASS

Band4	3MHz	16QAM	20385	15RB#0	VN	NT	-10.71	-0.006108	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	-6.35	-0.003621	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	-7.74	-0.004520	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	-17.01	-0.009933	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	-11.92	-0.006961	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-14.42	-0.008323	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	9.63	0.005558	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-10.74	-0.006199	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-15.78	-0.009004	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	14.26	0.008137	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-12.69	-0.007241	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	-11.10	-0.006482	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	-8.70	-0.005080	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	-12.16	-0.007101	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	-7.50	-0.004329	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	-10.37	-0.005986	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	-9.80	-0.005657	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-7.08	-0.004040	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-15.74	-0.008981	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-10.34	-0.005900	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-9.53	-0.005557	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-15.48	-0.009026	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-11.52	-0.006717	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-12.20	-0.007042	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	6.02	0.003475	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-5.48	-0.003163	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	-9.04	-0.005166	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	6.11	0.003491	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-6.05	-0.003457	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-6.25	-0.003644	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-14.65	-0.008542	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-10.37	-0.006047	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	-9.56	-0.005518	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	-4.01	-0.002315	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	-8.83	-0.005097	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	2.99	0.001709	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	-8.35	-0.004771	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	-4.51	-0.002577	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-10.71	-0.006236	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-14.92	-0.008687	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-11.46	-0.006672	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-12.33	-0.007117	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	8.28	0.004779	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	-9.53	-0.005501	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	-11.72	-0.006707	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	-8.91	-0.005099	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-11.00	-0.006295	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	-7.93	-0.004617	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-12.17	-0.007086	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	-12.79	-0.007447	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-6.94	-0.004006	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	-13.40	-0.007734	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	-10.27	-0.005928	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-11.82	-0.006764	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-11.57	-0.006621	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	-18.85	-0.010787	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-11.64	-0.006767	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-16.42	-0.009547	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	-12.89	-0.007494	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-10.93	-0.006309	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	9.98	0.005760	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-13.10	-0.007561	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-11.24	-0.006441	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	6.08	0.003484	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-5.82	-0.003335	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	-13.39	-0.007785	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	-10.64	-0.006186	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	-13.40	-0.007791	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-12.85	-0.007417	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-10.00	-0.005772	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-13.52	-0.007804	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-8.47	-0.004854	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-10.04	-0.005754	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.55	-0.002607	±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	-8.25	-0.004823	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-6.41	-0.003747	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-6.82	-0.003987	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-4.28	-0.002502	±2.5	PASS

Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-7.80	-0.004560	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-11.97	-0.006909	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-5.76	-0.003325	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-11.17	-0.006447	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-6.38	-0.003683	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-8.25	-0.004762	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-14.05	-0.008009	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-13.76	-0.007844	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-8.63	-0.004919	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-10.04	-0.005723	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-10.71	-0.006105	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-3.99	-0.002332	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-9.34	-0.005460	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-2.79	-0.001631	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-8.33	-0.004869	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-13.50	-0.007892	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-7.87	-0.004543	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	5.56	0.003209	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	2.30	0.001328	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-6.48	-0.003740	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-4.61	-0.002661	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-7.64	-0.004355	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-6.47	-0.003688	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-10.14	-0.005780	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-11.34	-0.006464	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-13.19	-0.007519	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-12.00	-0.007011	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-6.94	-0.004055	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-3.83	-0.002238	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-8.63	-0.005042	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	5.66	0.003307	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-11.97	-0.006909	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-9.03	-0.005212	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-15.28	-0.008820	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	3.23	0.001864	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-7.50	-0.004329	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	-10.61	-0.006051	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	-10.50	-0.005988	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-14.85	-0.008469	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-16.04	-0.009147	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-10.64	-0.006068	±2.5	PASS



Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-8.48	-0.004955	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	5.08	0.002968	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	2.56	0.001496	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-3.96	-0.002314	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-2.07	-0.001209	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	-10.56	-0.006095	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-7.93	-0.004577	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-6.17	-0.003561	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-2.52	-0.001455	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	-8.11	-0.004681	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	-10.04	-0.005726	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-8.68	-0.004950	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	-9.93	-0.005663	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-11.94	-0.006809	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-8.61	-0.004910	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	-9.98	-0.005828	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	-6.88	-0.004018	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-8.23	-0.004806	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	-12.19	-0.007118	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-3.62	-0.002114	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	-6.68	-0.003856	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-5.79	-0.003342	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-7.67	-0.004427	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-9.46	-0.005460	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-4.76	-0.002747	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-9.97	-0.005689	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-13.65	-0.007789	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-11.53	-0.006579	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	2.69	0.001535	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	1.66	0.000947	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	-12.97	-0.007574	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	-14.05	-0.008204	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	-11.16	-0.006517	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	-9.67	-0.005647	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	-11.00	-0.006423	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	-10.31	-0.005951	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	-8.75	-0.005051	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	-12.04	-0.006949	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	5.34	0.003082	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	-9.13	-0.005270	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-7.75	-0.004422	±2.5	PASS

Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-14.00	-0.007989	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-10.69	-0.006100	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-12.82	-0.007315	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-10.93	-0.006237	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-12.25	-0.007143	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-13.02	-0.007592	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-6.08	-0.003545	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-14.61	-0.008519	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-7.82	-0.004560	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-10.63	-0.006136	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-5.35	-0.003088	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-9.73	-0.005616	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-12.40	-0.007157	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-7.10	-0.004098	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	-9.93	-0.005674	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-10.07	-0.005754	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-10.14	-0.005794	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	-6.25	-0.003571	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-9.21	-0.005263	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-13.98	-0.008152	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-12.72	-0.007417	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-11.30	-0.006589	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-10.34	-0.006029	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-11.20	-0.006531	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	-9.27	-0.005351	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	-12.00	-0.006926	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	-6.74	-0.003890	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	-10.47	-0.006043	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	-10.20	-0.005887	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	-6.01	-0.003434	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	5.12	0.002926	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	-6.68	-0.003817	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	-9.61	-0.005491	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-6.55	-0.003743	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-10.66	-0.006207	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	-10.71	-0.006236	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-7.08	-0.004122	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-13.06	-0.007604	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-11.76	-0.006847	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-7.72	-0.004456	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-7.01	-0.004046	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	NV	0	-11.39	-0.006574	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-9.44	-0.005449	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-8.04	-0.004641	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	-9.98	-0.005711	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-9.76	-0.005585	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-13.40	-0.007668	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-11.39	-0.006518	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-13.05	-0.007468	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	-10.56	-0.006148	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	-12.04	-0.007010	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-11.76	-0.006847	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	-10.09	-0.005875	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-11.90	-0.006929	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	-9.51	-0.005489	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	-8.50	-0.004906	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-5.15	-0.002973	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	6.69	0.003861	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-12.30	-0.007100	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-9.53	-0.005454	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	-4.63	-0.002649	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-13.85	-0.007926	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-11.87	-0.006793	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	-7.91	-0.004526	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-12.27	-0.007134	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	-12.59	-0.007320	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-8.74	-0.005081	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-11.73	-0.006820	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-8.74	-0.005081	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-11.37	-0.006563	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-11.62	-0.006707	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-9.71	-0.005605	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-9.14	-0.005276	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-8.10	-0.004675	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-8.43	-0.004831	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-9.53	-0.005461	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-5.89	-0.003375	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-5.59	-0.003203	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	4.42	0.002533	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	-9.90	-0.005756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	-7.68	-0.004465	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	-8.96	-0.005209	±2.5	PASS

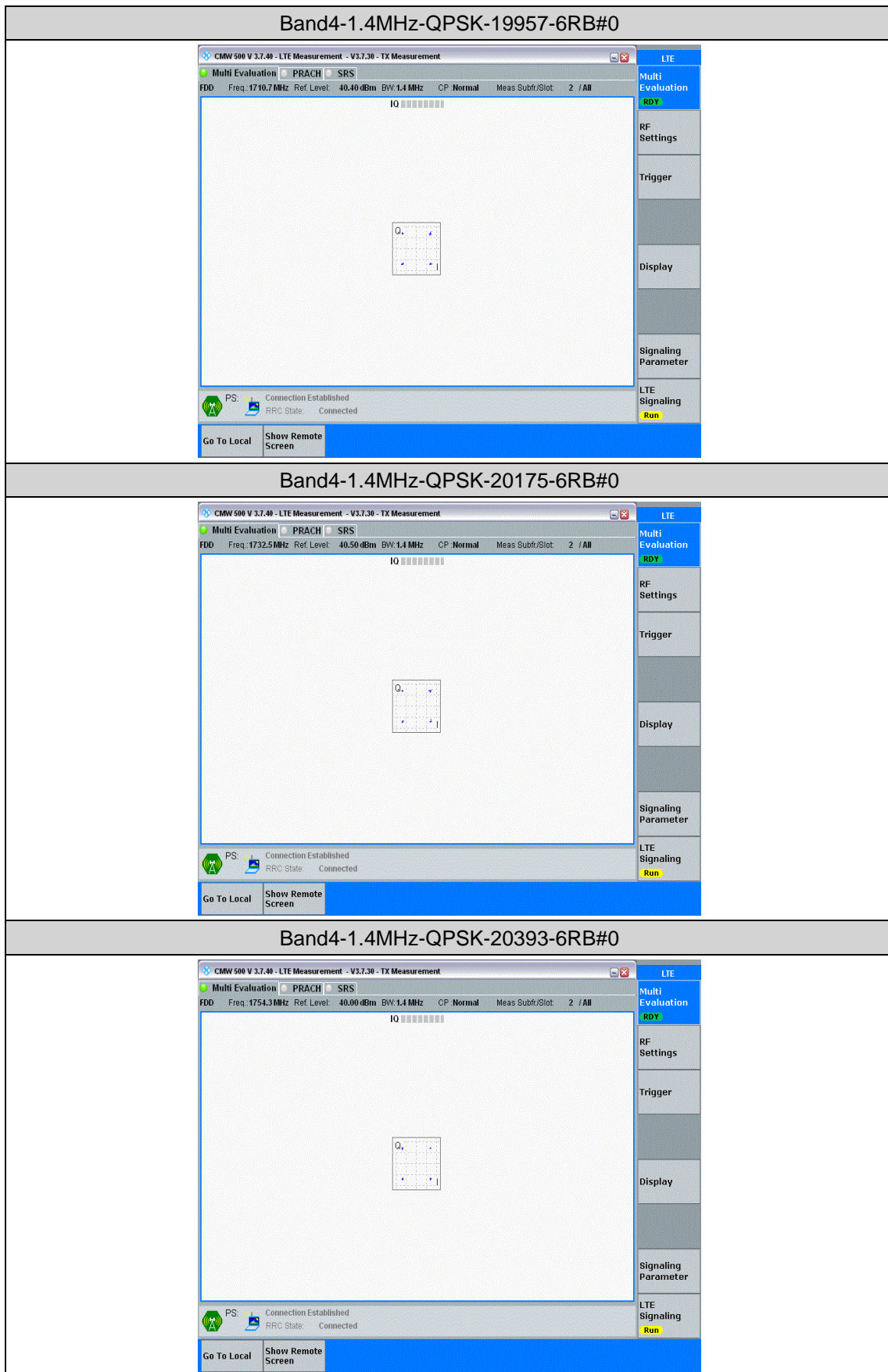
Band4	20MHz	16QAM	20050	100RB#0	NV	10	-11.17	-0.006494	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-8.54	-0.004965	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-10.87	-0.006274	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-8.23	-0.004750	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-10.66	-0.006153	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-11.50	-0.006638	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-9.01	-0.005201	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-5.31	-0.003043	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	6.55	0.003754	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-11.90	-0.006819	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-7.61	-0.004361	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-10.44	-0.005983	±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

### Test Graphs



Band4-1.4MHz-16QAM-19957-6RB#0

CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq: 1710.7 MHz Ref. Level: 40.40 dBm BW: 1.4 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO

Q

PS Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation (RDY) RF Settings Trigger Display Signaling Parameter LTE Signaling (Run)

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

CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq: 1732.5 MHz Ref. Level: 40.50 dBm BW: 1.4 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO

Q

PS Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE Multi Evaluation (RDY) RF Settings Trigger Display Signaling Parameter LTE Signaling (Run)

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

CMW 500 V 3.7.40 - LTE Measurement - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq: 1754.3 MHz Ref. Level: 40.00 dBm BW: 1.4 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO

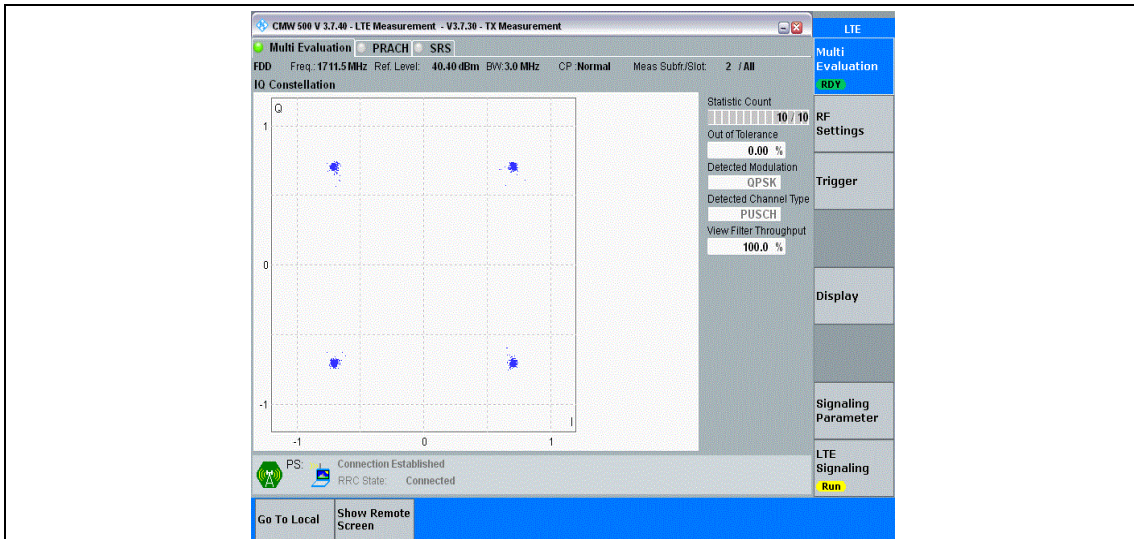
Q

PS Connection Established RRC State: Connected

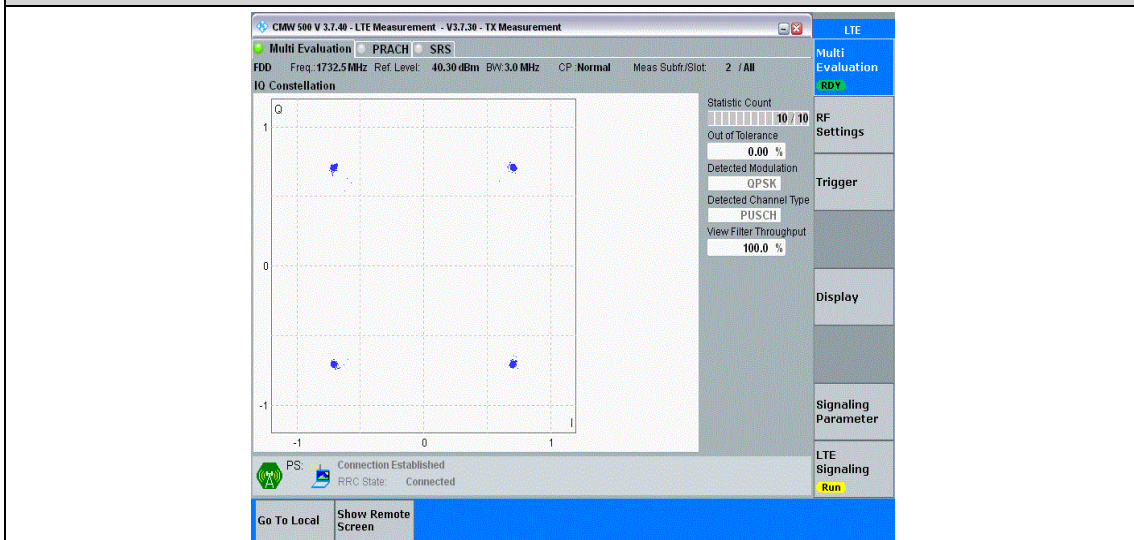
Go To Local Show Remote Screen

LTE Multi Evaluation (RDY) RF Settings Trigger Display Signaling Parameter LTE Signaling (Run)

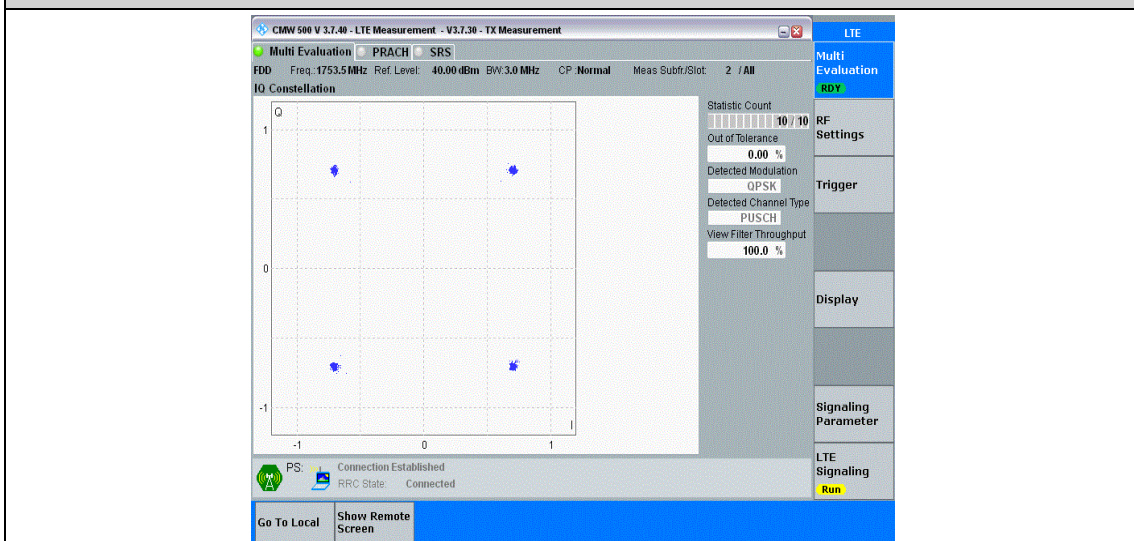
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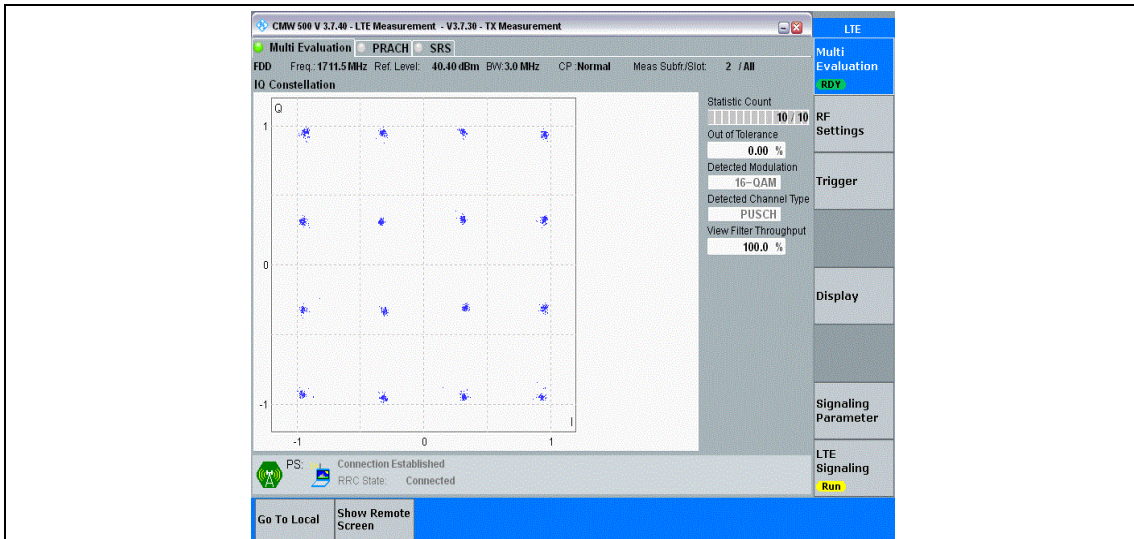


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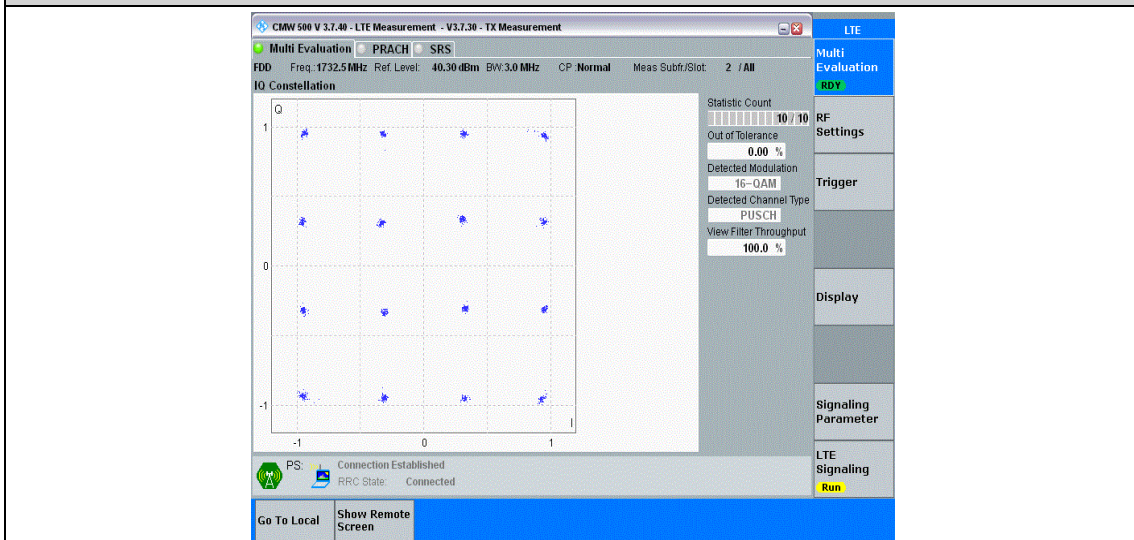


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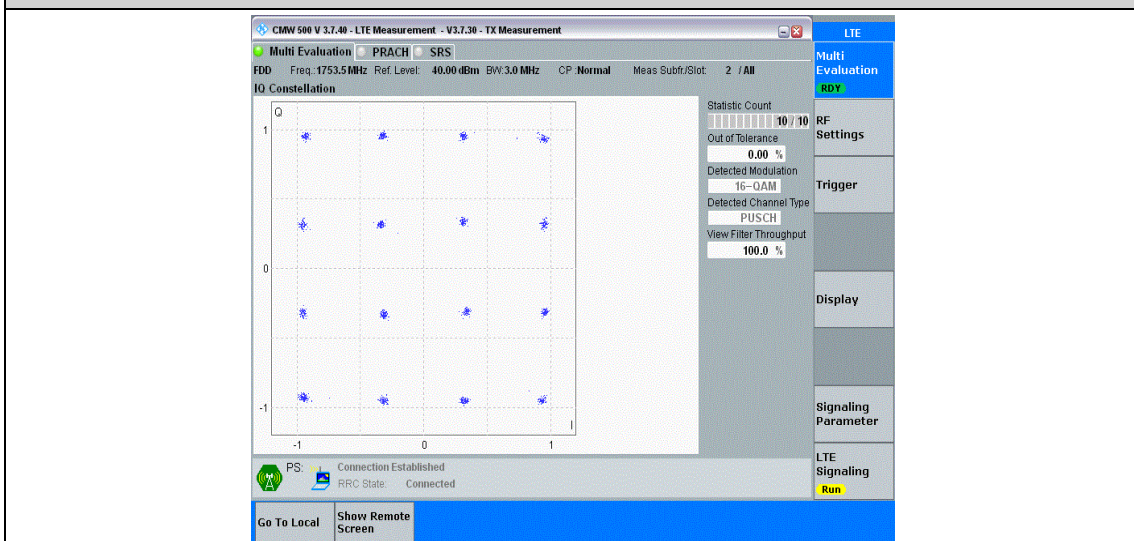




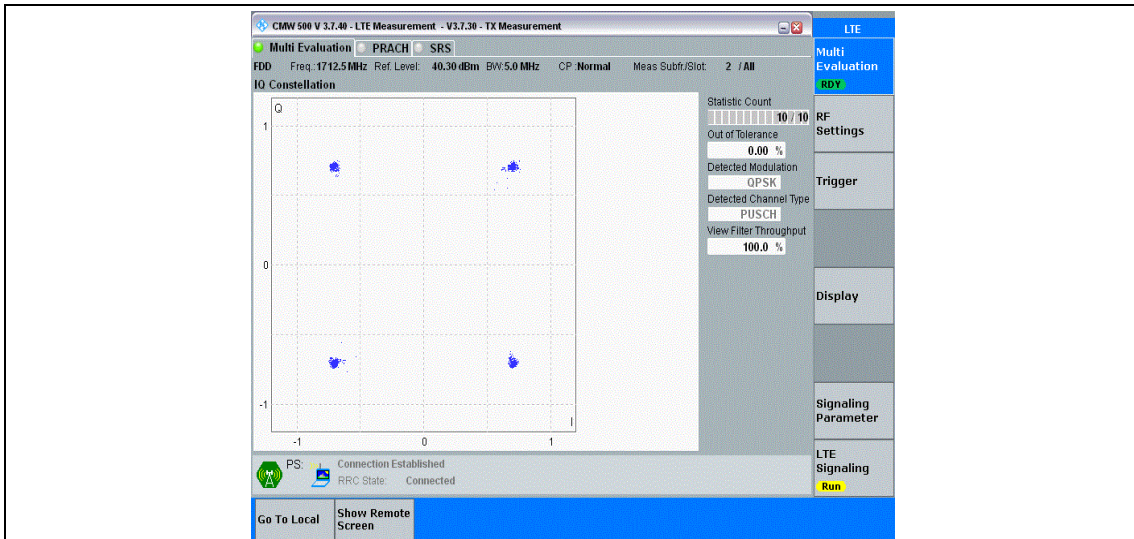
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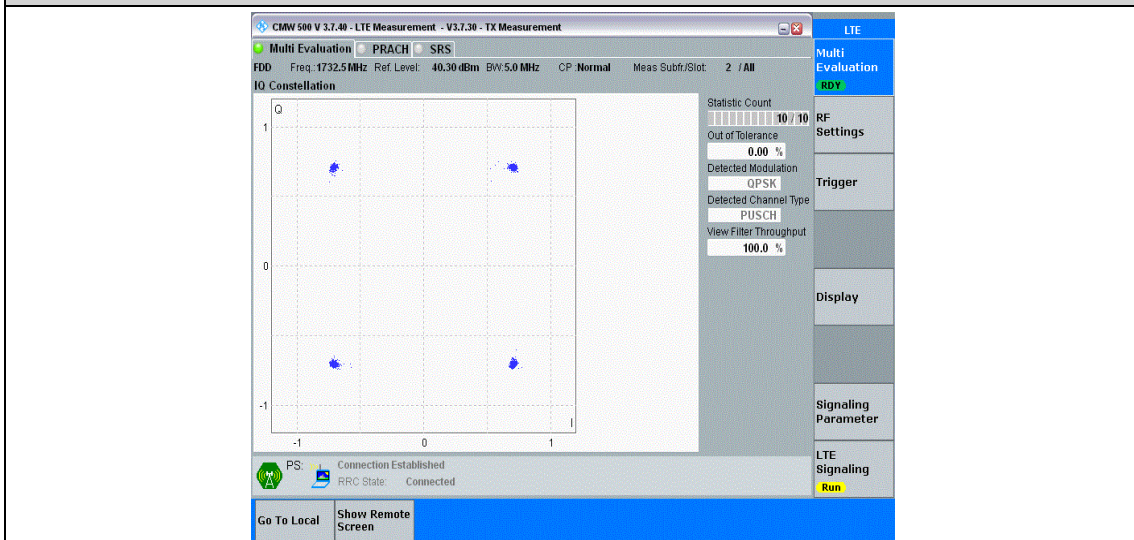
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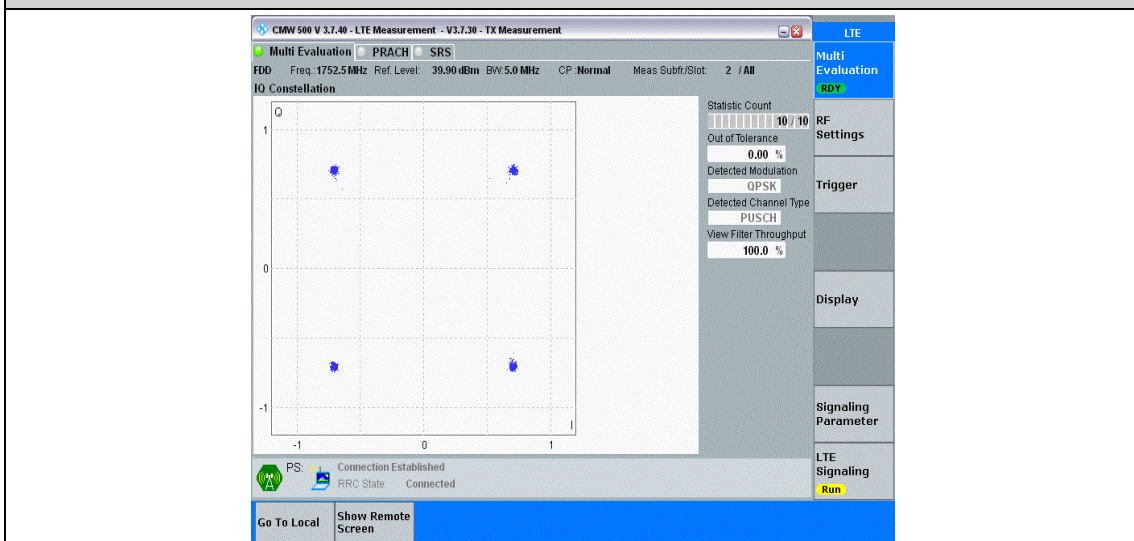
Band4-5MHz-QPSK-19975-25RB#0



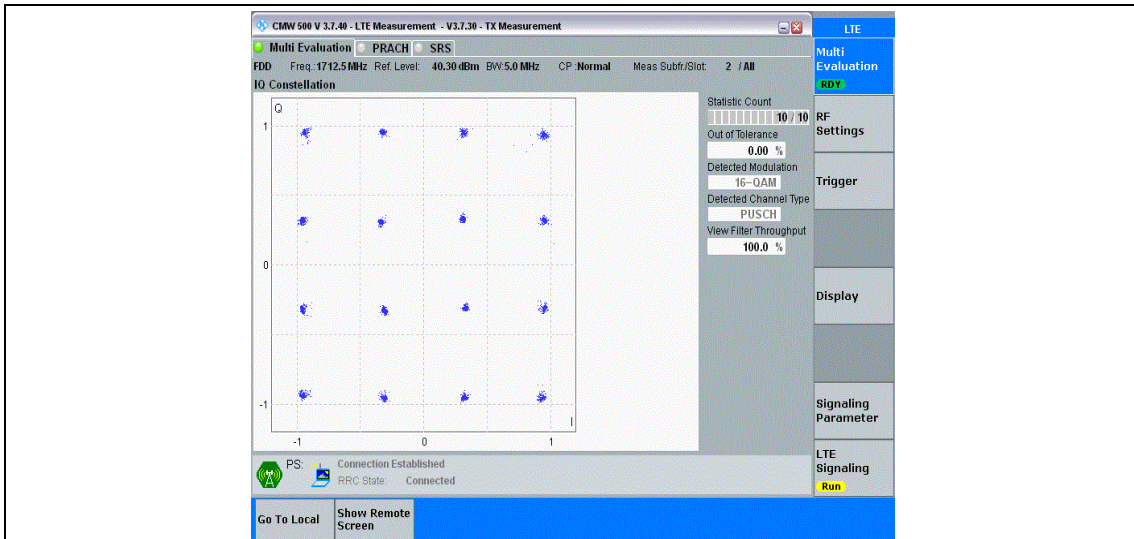
Band4-5MHz-QPSK-20175-25RB#0



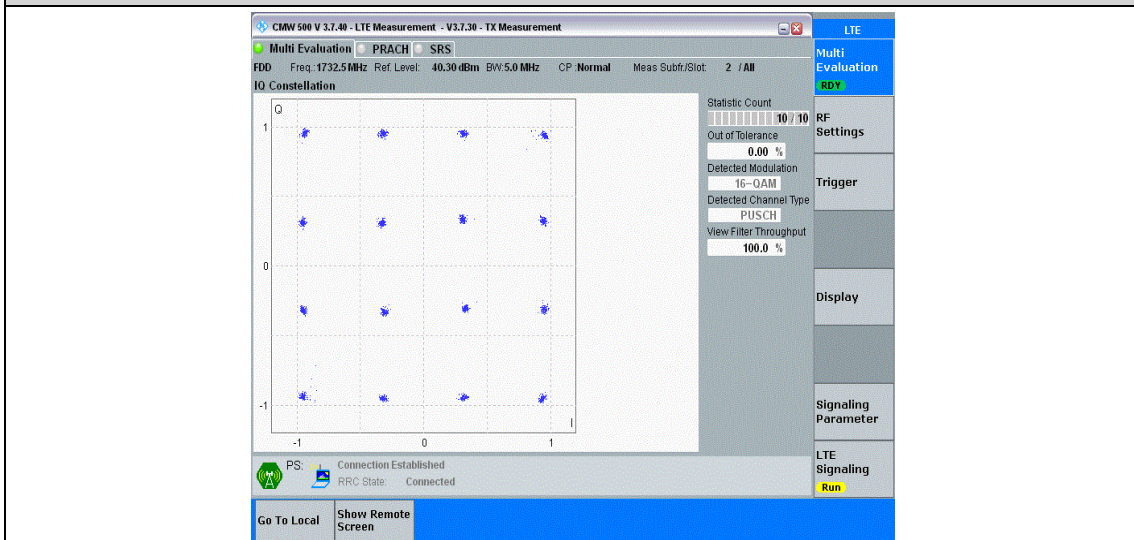
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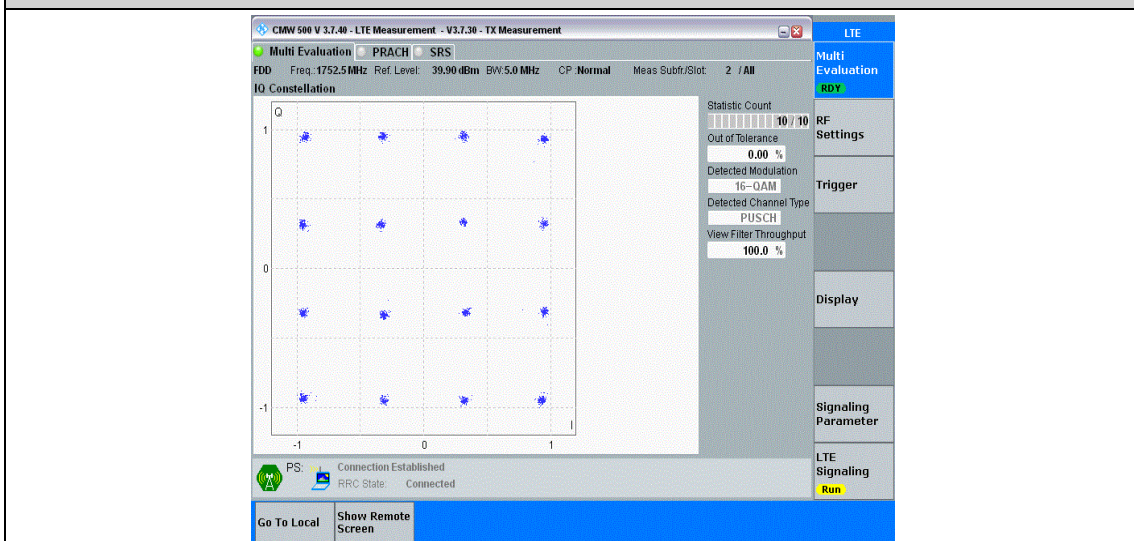
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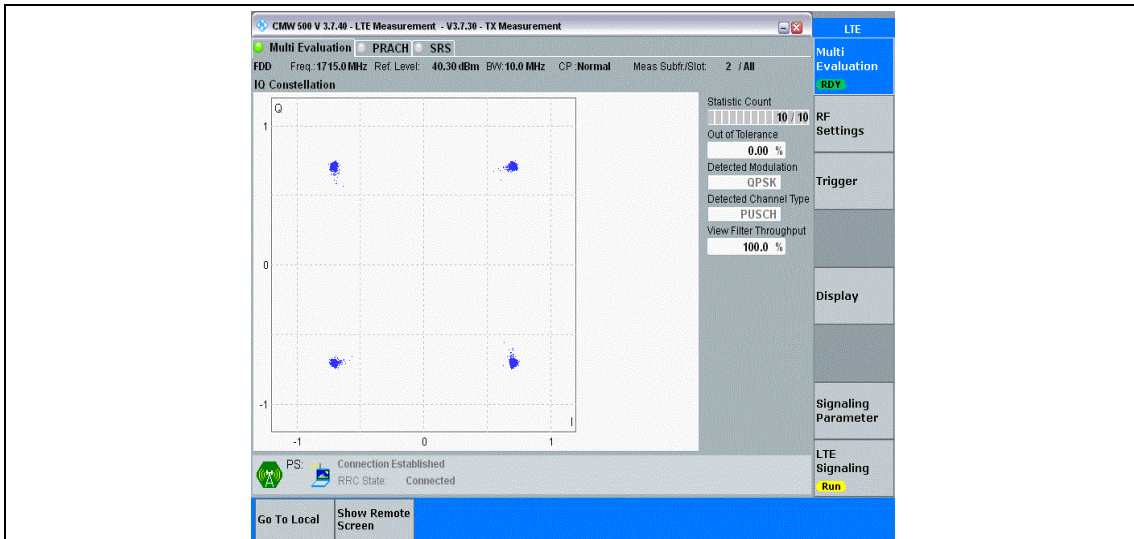
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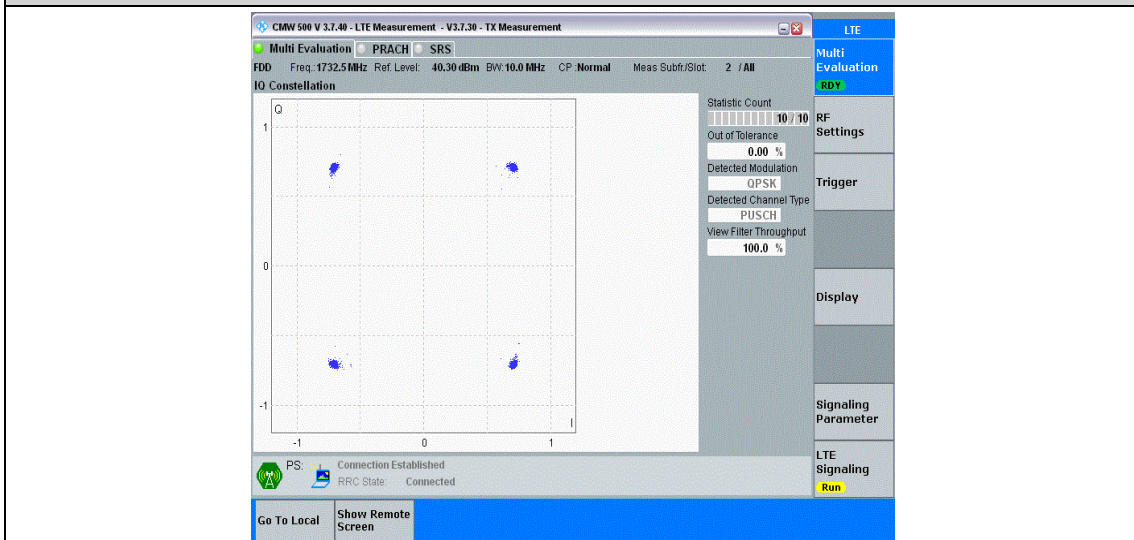
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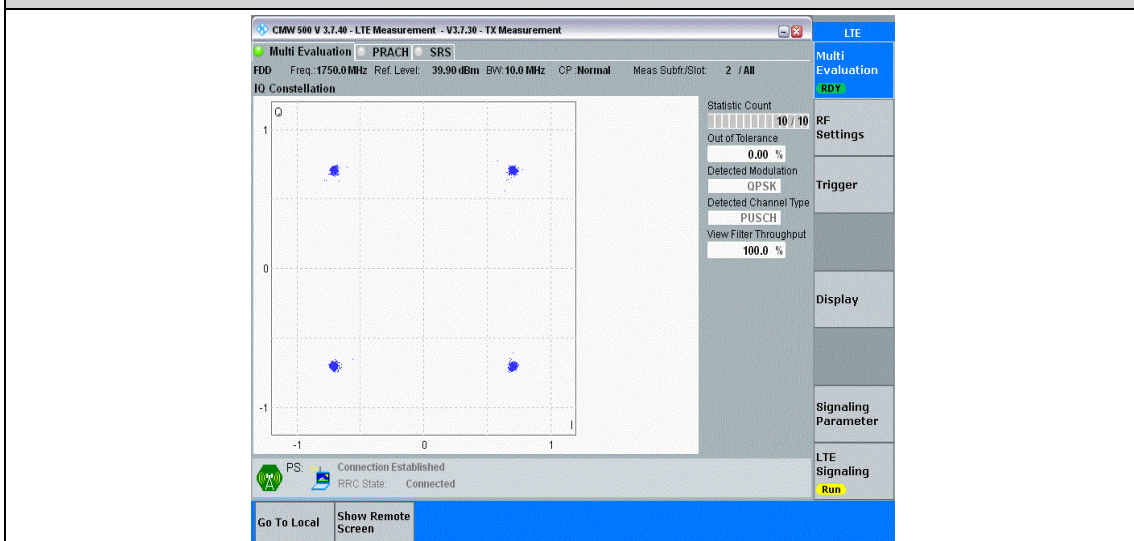
Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-50RB#0