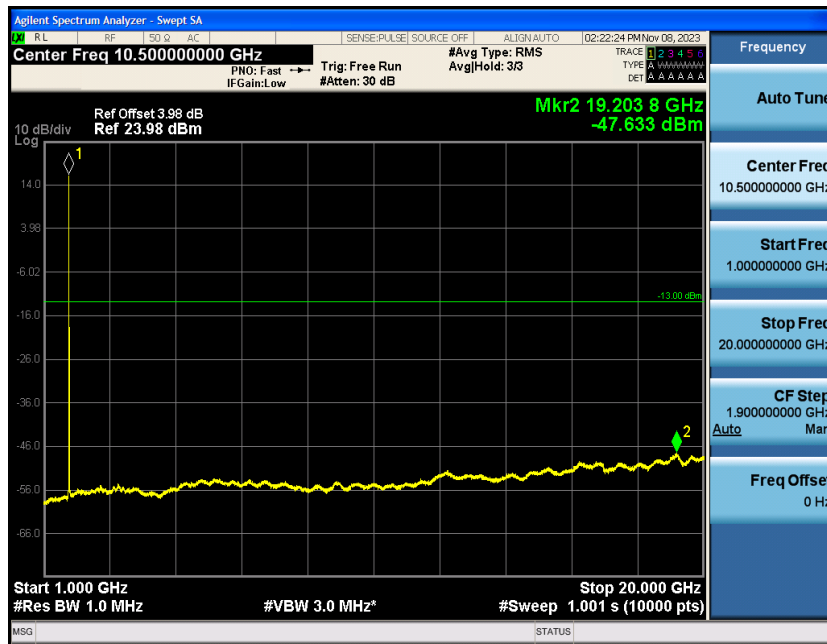
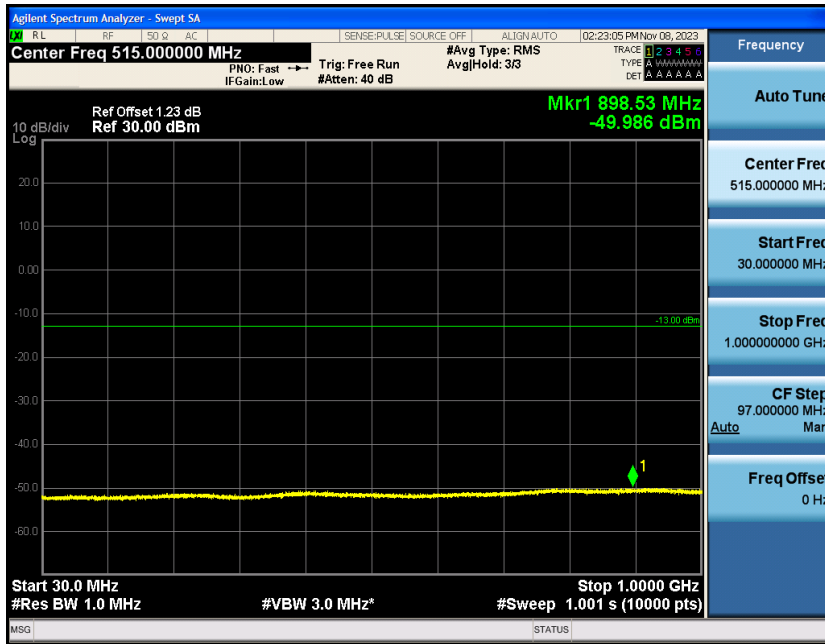


Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



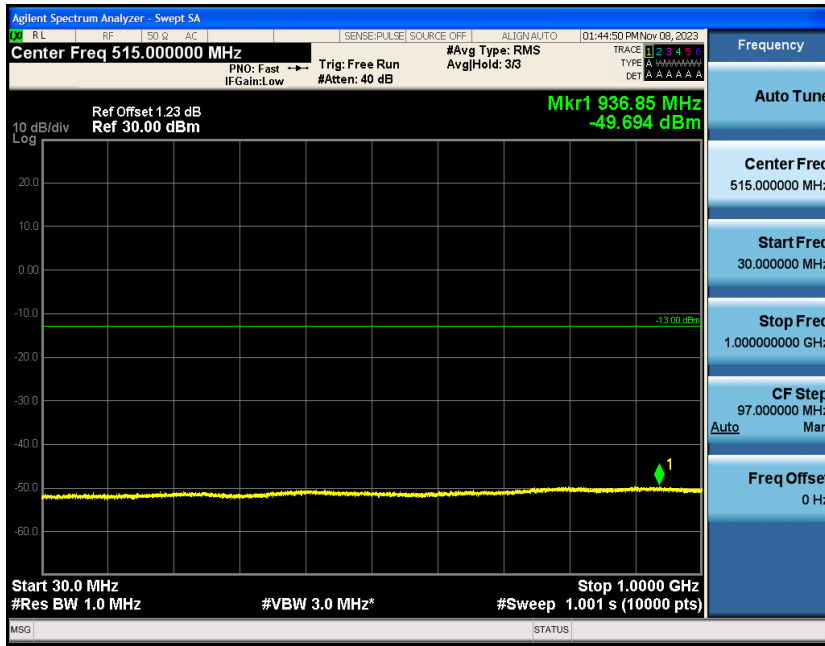
Band4-10MHz-16QAM-20350-1RB#0-Range1:30~1000MHz



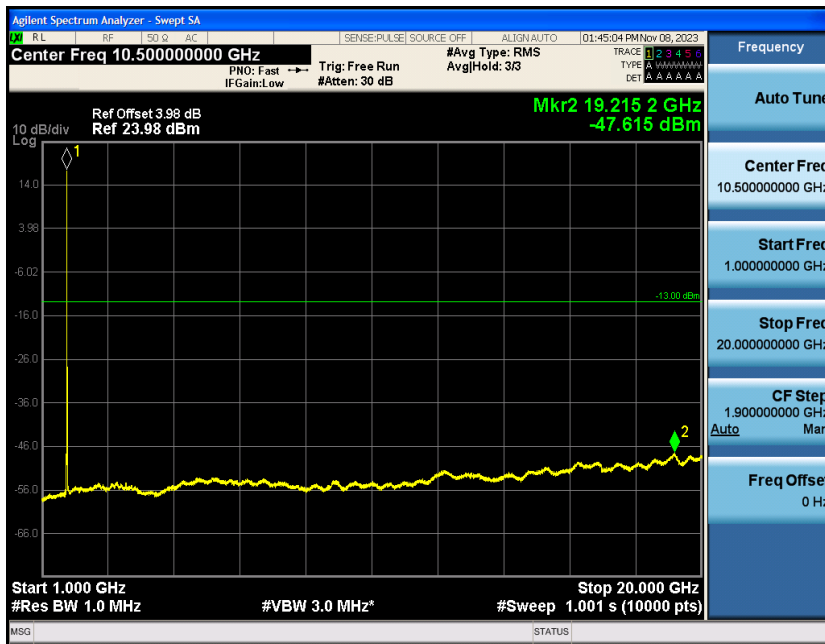
Band4-10MHz-16QAM-20350-1RB#0-Range2:1000~20000MHz



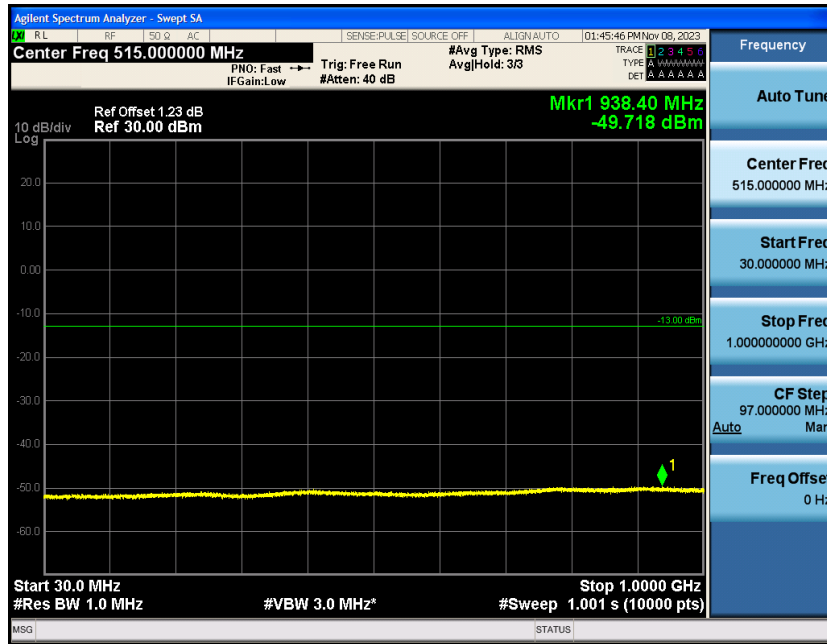
Band4-15MHz-QPSK-20025-1RB#0-Range1:30~1000MHz



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



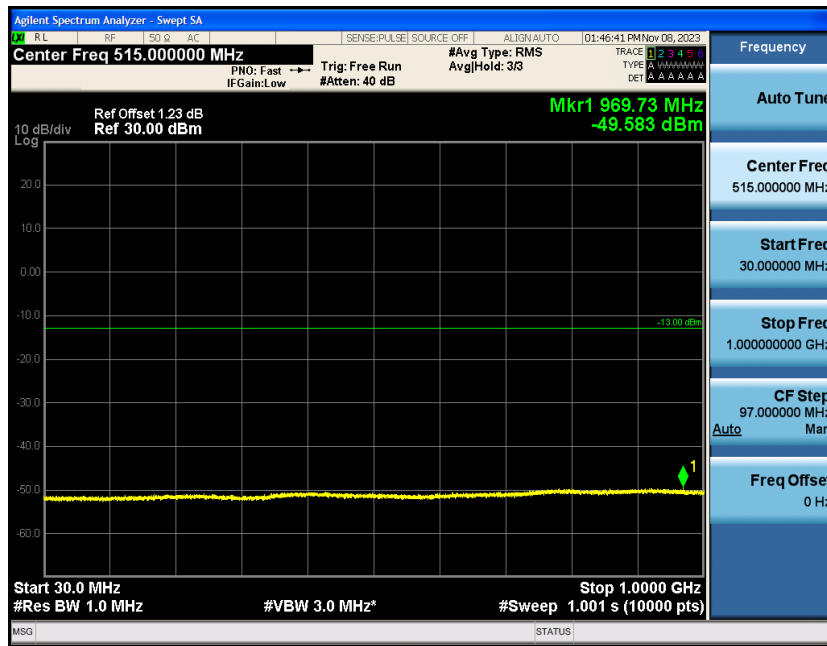
Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



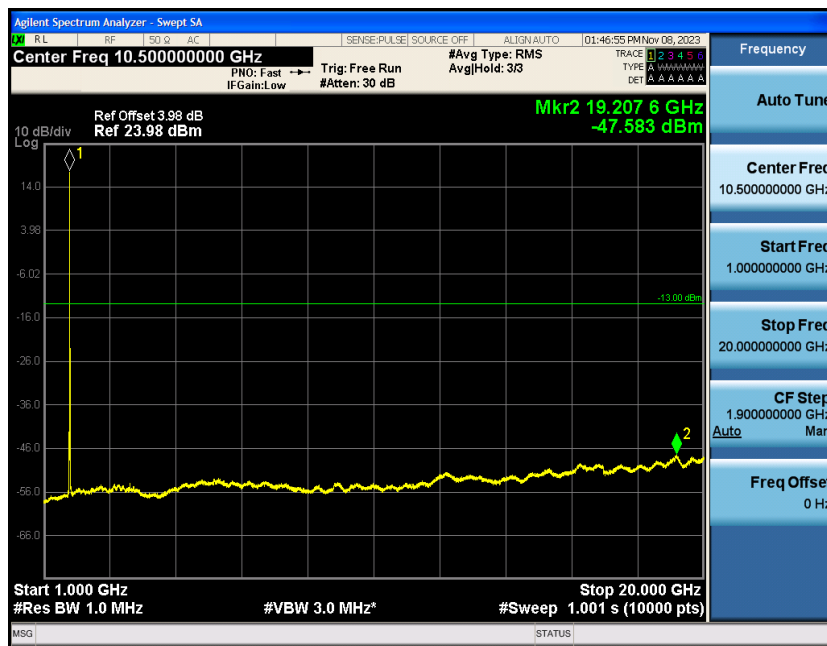
Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



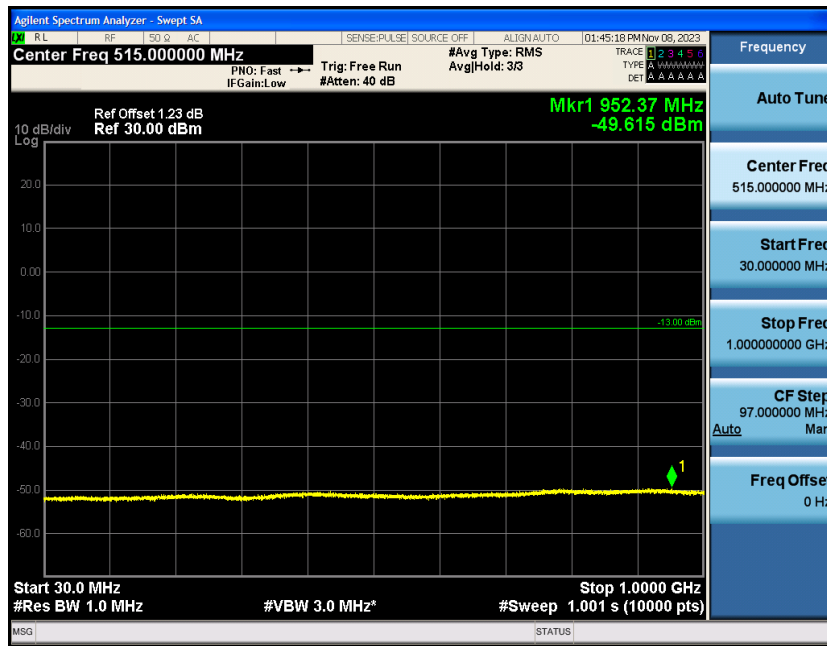
Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



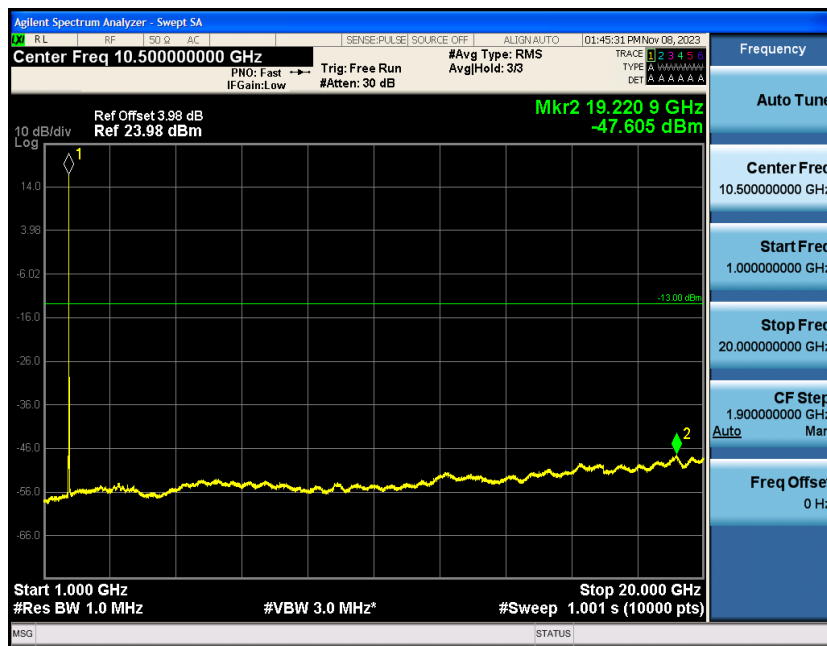
Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~20000MHz



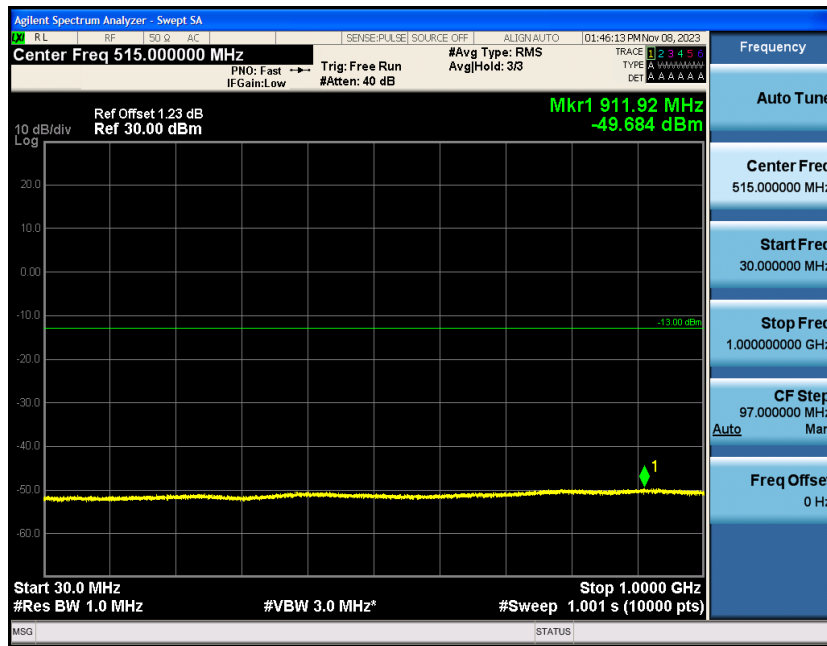
Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



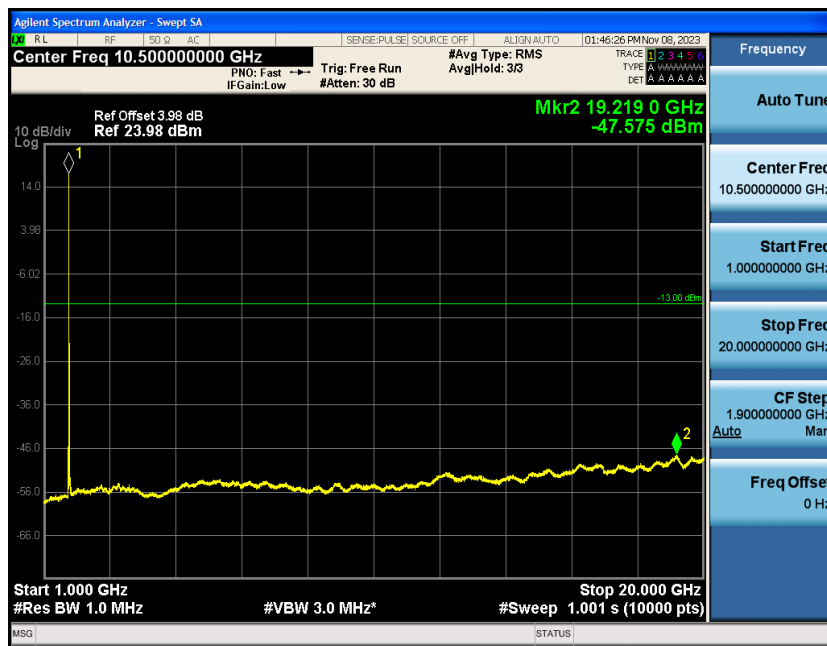
Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~20000MHz



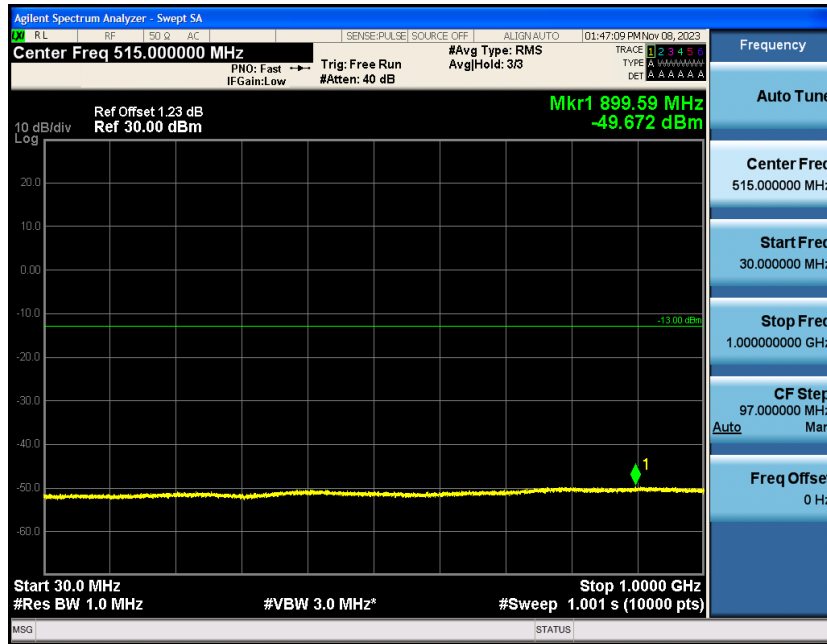
Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



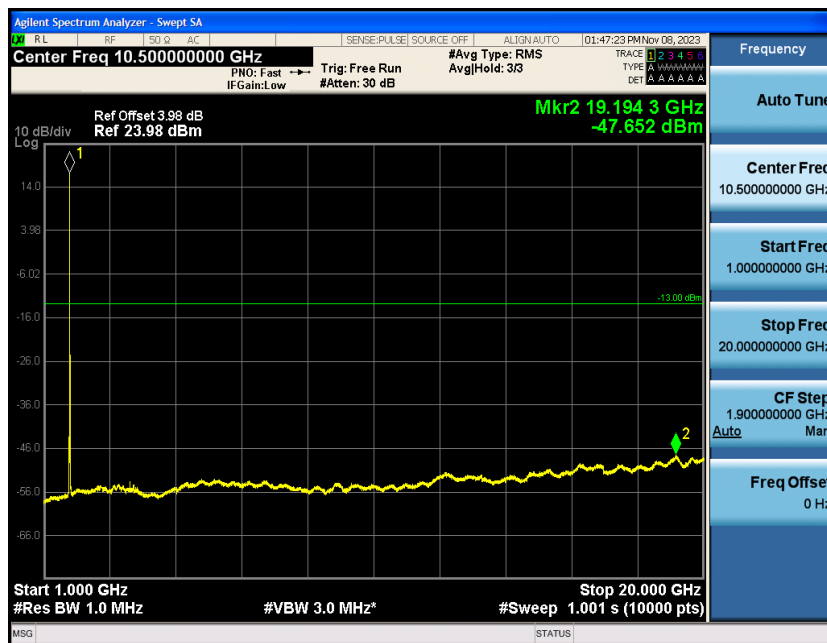
Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz

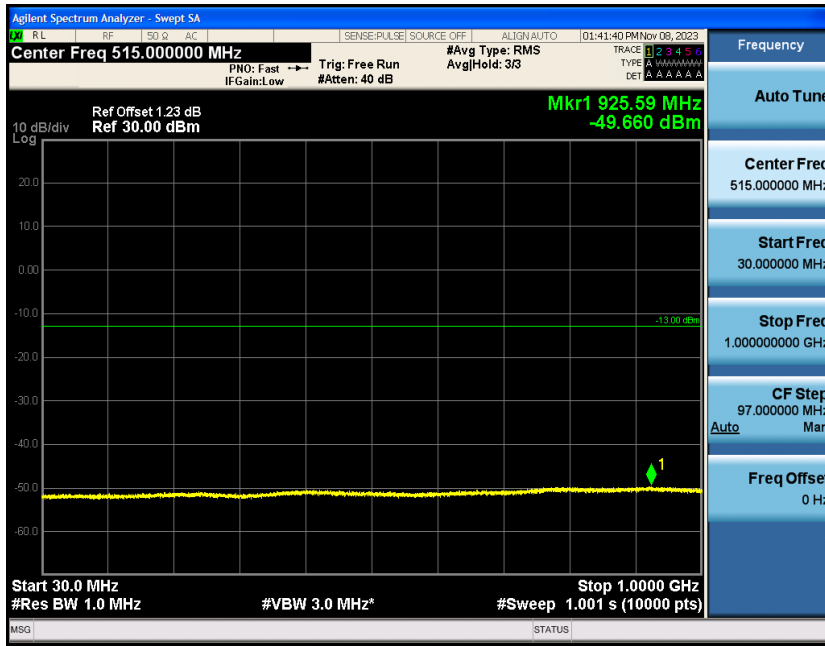


Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~20000MHz

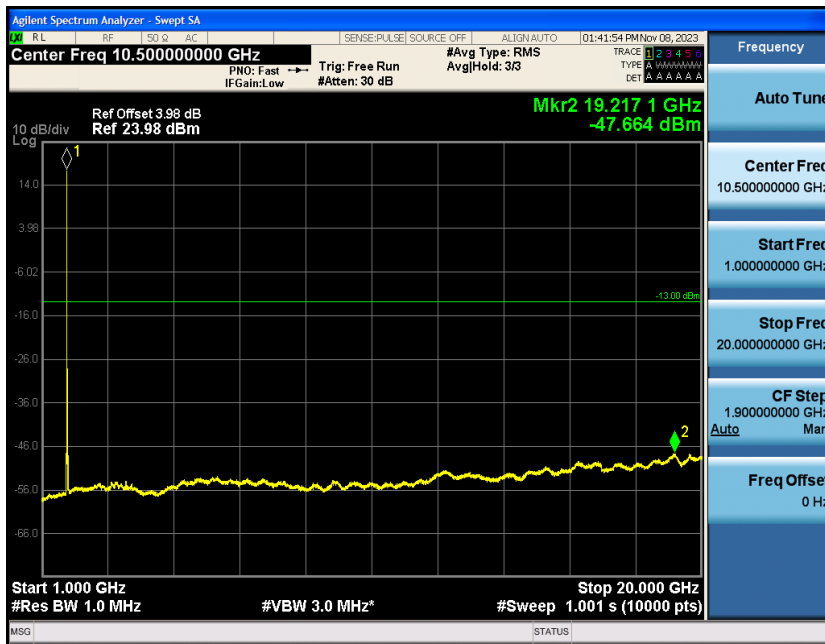


Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz

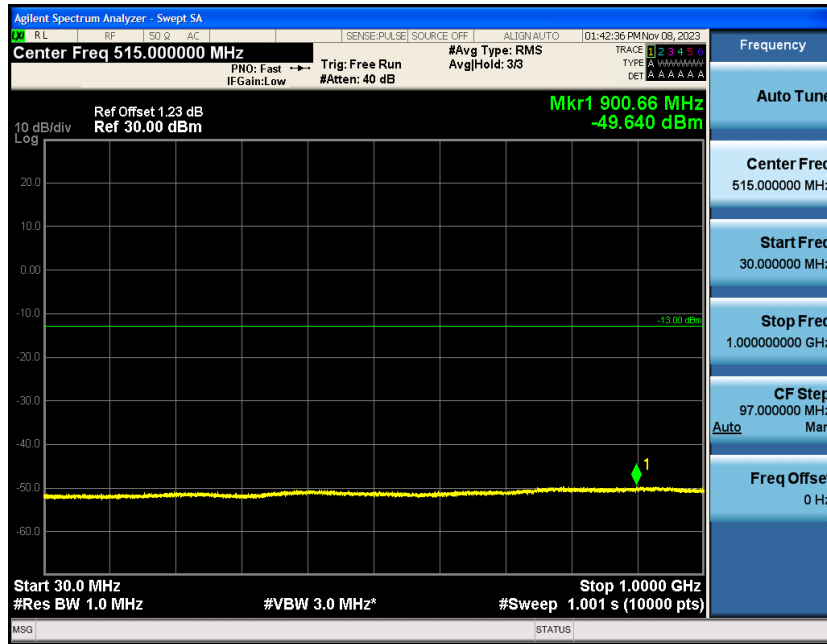




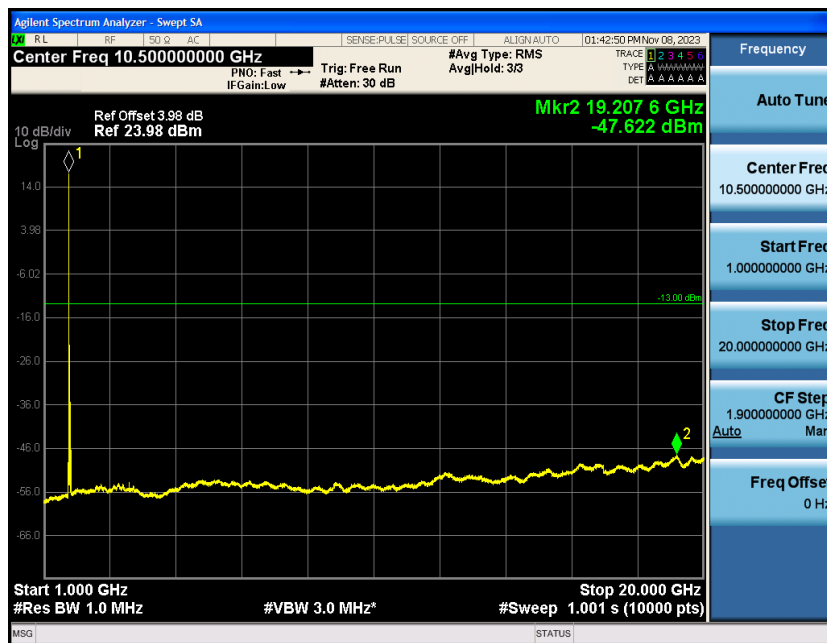
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



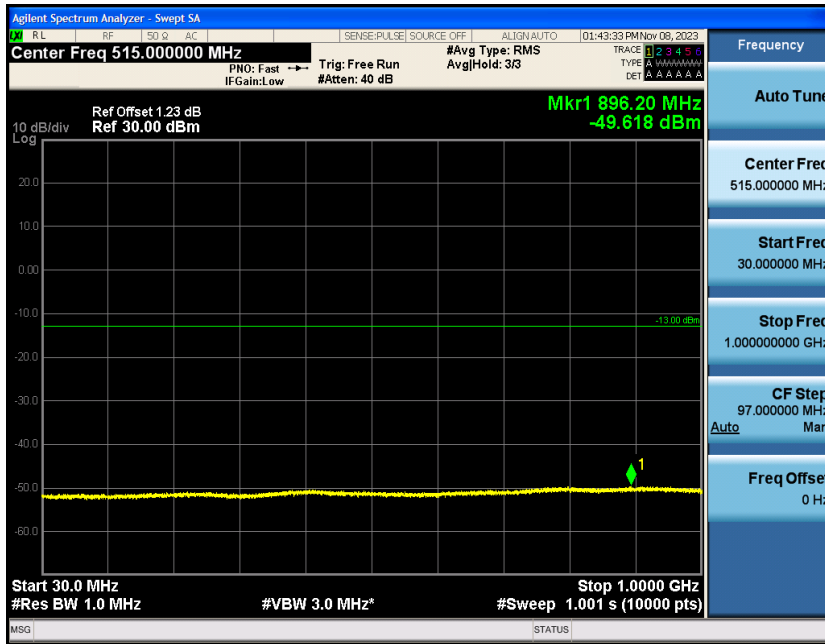
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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



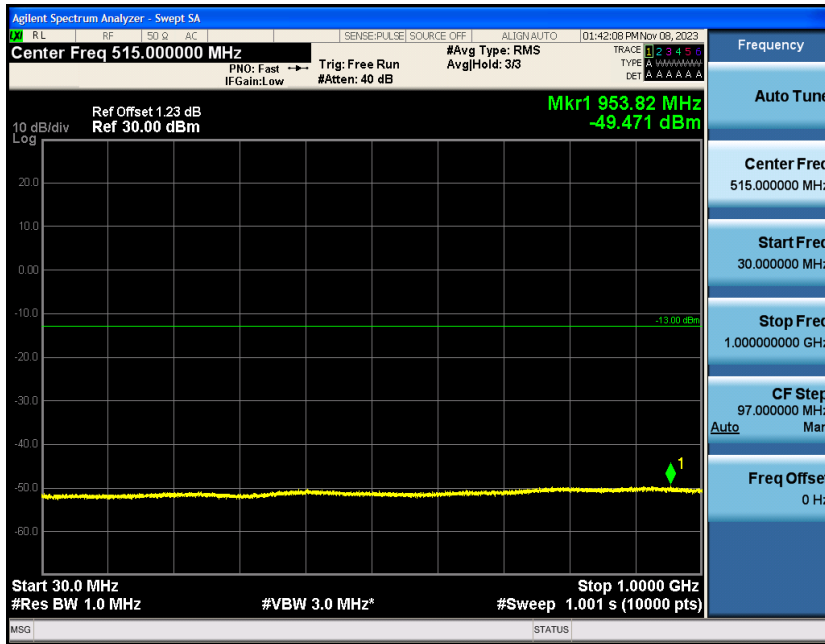
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



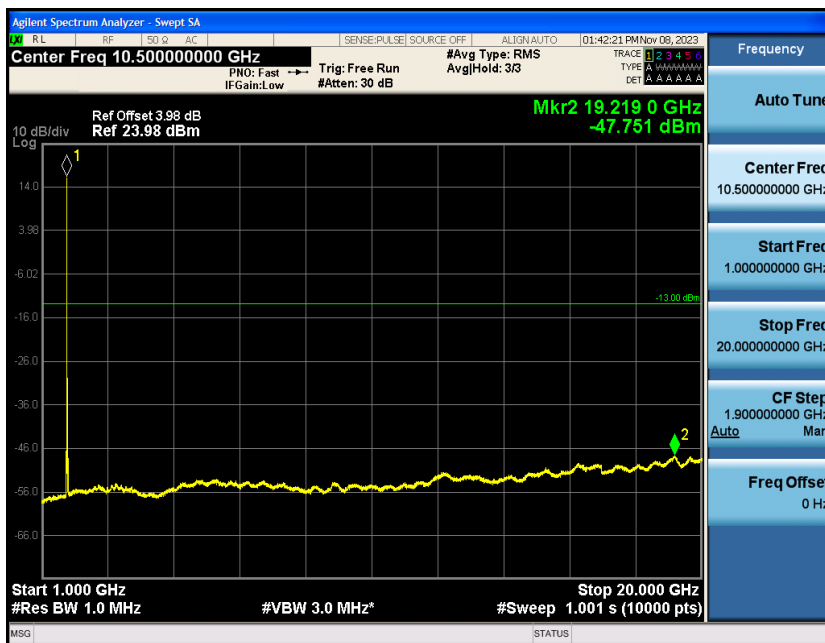
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



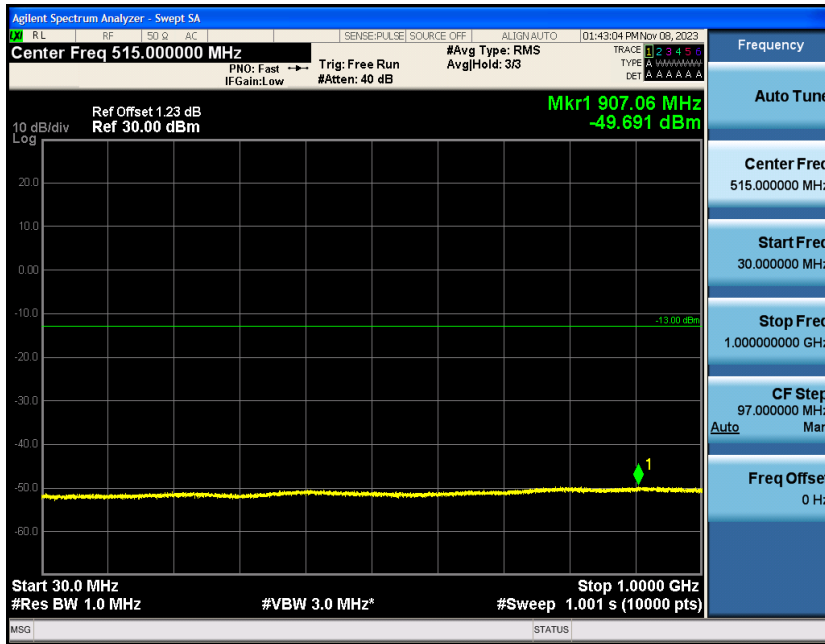
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



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



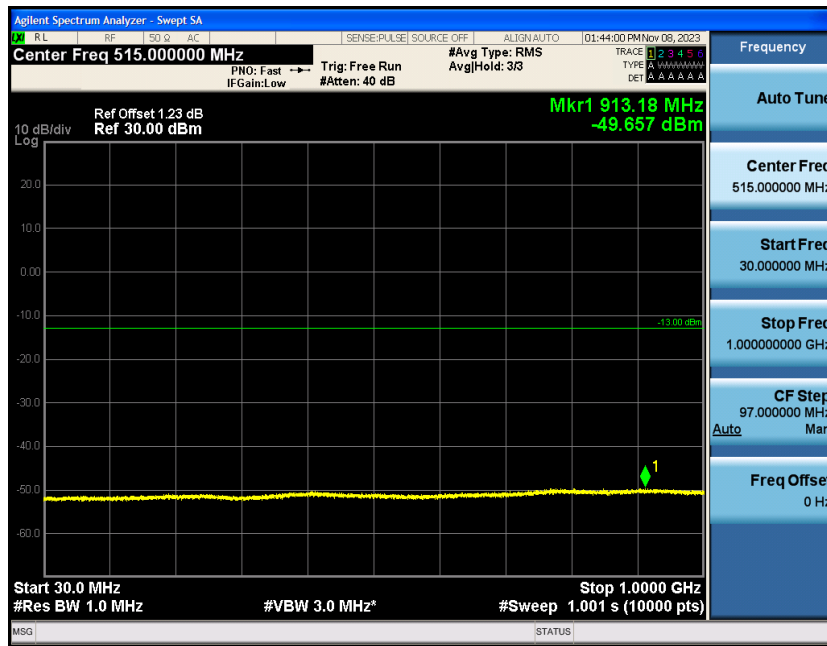
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



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

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	-15.74	-0.009202	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-21.14	-0.012358	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-5.21	-0.003048	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	10.03	0.005791	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-4.91	-0.002835	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	9.05	0.005224	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-39.78	-0.022675	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-15.95	-0.009090	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-29.84	-0.017008	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-30.31	-0.017720	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-22.21	-0.012980	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-42.11	-0.024615	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-20.97	-0.012102	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	44.21	0.025520	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	12.83	0.007405	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-30.89	-0.017611	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-15.70	-0.008950	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-14.87	-0.008475	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-13.91	-0.008130	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	5.66	0.003306	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	-16.88	-0.009863	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	19.75	0.011399	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-18.37	-0.010602	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	36.55	0.021099	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-37.99	-0.021666	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	-18.11	-0.010326	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-16.73	-0.009538	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	-37.83	-0.022105	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	-30.97	-0.018093	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-16.30	-0.009522	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	19.85	0.011457	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-1.56	-0.000899	±2.5	PASS



Band4	3MHz	16QAM	20175	15RB#0	VH	NT	45.90	0.026492	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	-24.49	-0.013965	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	1.77	0.001011	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	8.20	0.004674	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	5.06	0.002953	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	-9.52	-0.005559	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	1.43	0.000836	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-19.19	-0.011077	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	5.53	0.003189	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	23.11	0.013339	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-23.94	-0.013663	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-20.97	-0.011964	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-31.03	-0.017708	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	-1.91	-0.001113	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	-12.39	-0.007234	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	3.81	0.002226	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	42.90	0.024763	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	18.62	0.010749	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	34.24	0.019763	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-14.20	-0.008101	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-38.69	-0.022078	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-17.61	-0.010051	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-34.79	-0.020286	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-20.56	-0.011989	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-22.25	-0.012977	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-12.00	-0.006927	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-8.20	-0.004734	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	22.86	0.013193	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	-36.60	-0.020914	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	-22.52	-0.012870	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-17.28	-0.009875	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	0.16	0.000093	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-2.66	-0.001550	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-5.17	-0.003017	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	15.04	0.008679	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	27.30	0.015760	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	28.02	0.016174	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	13.89	0.007938	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	-40.55	-0.023169	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	-13.27	-0.007583	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-14.38	-0.008372	±2.5	PASS



Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-13.42	-0.007816	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-35.66	-0.020765	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	26.03	0.015026	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	4.14	0.002389	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	41.29	0.023830	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	-16.94	-0.009694	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	4.16	0.002378	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-35.58	-0.020361	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	-11.92	-0.006941	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-17.05	-0.009929	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	-12.49	-0.007270	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	27.02	0.015596	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	17.61	0.010167	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	-9.99	-0.005765	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-45.46	-0.026014	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-38.75	-0.022177	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	-28.19	-0.016133	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	-9.16	-0.005328	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	-13.99	-0.008135	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	2.46	0.001430	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	7.40	0.004273	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-10.61	-0.006127	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	20.02	0.011556	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-28.61	-0.016396	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-18.52	-0.010614	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-48.37	-0.027718	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	8.52	0.004953	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.12	0.001230	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	8.89	0.005169	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	20.91	0.012071	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	16.25	0.009377	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	30.94	0.017856	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-6.61	-0.003786	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	3.38	0.001934	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-15.42	-0.008837	±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	5.82	0.003404	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	2.64	0.001542	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-10.88	-0.006362	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-18.03	-0.010541	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-23.28	-0.013608	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	32.20	0.018587	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	28.13	0.016234	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	23.98	0.013842	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	40.88	0.023596	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	27.52	0.015884	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-9.98	-0.005691	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-42.64	-0.024308	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	5.57	0.003178	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-30.56	-0.017419	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-18.93	-0.010791	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-46.37	-0.027109	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-12.91	-0.007544	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-15.96	-0.009329	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-15.62	-0.009131	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-22.12	-0.012928	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	27.12	0.015652	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-14.30	-0.008253	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	10.80	0.006235	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	19.87	0.011471	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	24.40	0.014081	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-48.26	-0.027511	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-8.45	-0.004819	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-29.02	-0.016544	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-5.31	-0.003027	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-24.29	-0.013849	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-37.49	-0.021904	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-6.66	-0.003892	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-14.14	-0.008261	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-33.28	-0.019445	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	-24.75	-0.014460	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	14.17	0.008181	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	27.03	0.015602	±2.5	PASS



Band4	3MHz	QPSK	20175	15RB#0	NV	0	17.56	0.010138	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	2.24	0.001294	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-14.51	-0.008375	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	-43.49	-0.024802	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	1.39	0.000790	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-28.09	-0.016019	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	2.81	0.001602	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-17.30	-0.009867	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-25.07	-0.014647	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	-23.04	-0.013462	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	-20.94	-0.012233	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-37.82	-0.022095	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-28.64	-0.016731	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	19.79	0.011426	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	29.32	0.016925	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-14.40	-0.008311	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	-14.56	-0.008403	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	10.24	0.005912	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	-10.66	-0.006076	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-23.07	-0.013154	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	-40.71	-0.023215	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-11.83	-0.006747	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-25.23	-0.014389	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	7.27	0.004246	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	12.59	0.007353	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	5.33	0.003115	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	9.02	0.005265	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	20.18	0.011781	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	21.35	0.012321	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	21.79	0.012576	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	27.91	0.016110	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	7.51	0.004337	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	40.32	0.023275	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-51.56	-0.029422	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-20.08	-0.011457	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-28.82	-0.016446	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-42.20	-0.024079	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-18.78	-0.010717	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	19.67	0.011485	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	22.70	0.013253	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	37.64	0.021980	±2.5	PASS



Band4	5MHz	16QAM	19975	25RB#0	NV	10	-11.83	-0.006906	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	-11.53	-0.006733	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	37.48	0.021634	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	16.71	0.009644	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	-11.36	-0.006558	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	21.40	0.012350	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	10.86	0.006269	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-14.53	-0.008289	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-14.76	-0.008421	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	4.65	0.002654	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	0.29	0.000167	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	2.98	0.001703	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-10.55	-0.006150	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-13.45	-0.007842	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-10.97	-0.006394	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	2.32	0.001355	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	1.72	0.001005	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	17.28	0.009971	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	4.01	0.002314	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	25.74	0.014859	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-27.77	-0.016029	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-2.21	-0.001274	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	-41.21	-0.023550	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-22.16	-0.012663	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-52.33	-0.029900	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	-32.47	-0.018554	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	-46.24	-0.026423	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-7.91	-0.004613	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-3.50	-0.002039	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-4.56	-0.002659	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-7.76	-0.004523	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-14.71	-0.008575	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	-4.20	-0.002427	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	7.92	0.004571	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	22.36	0.012908	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	33.36	0.019253	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	7.05	0.004070	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	-12.86	-0.007348	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	-26.04	-0.014880	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	-40.93	-0.023387	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	4.06	0.002317	±2.5	PASS

Band4	10MHz	16QAM	20350	50RB#0	NV	20	-16.03	-0.009160	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-2.73	-0.001590	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	-7.20	-0.004190	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-28.56	-0.016632	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-40.58	-0.023624	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	3.28	0.001911	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	31.40	0.018122	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	44.20	0.025510	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	3.73	0.002154	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	7.02	0.004051	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	23.07	0.013318	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	-17.44	-0.009983	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-38.02	-0.021757	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-33.60	-0.019226	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-8.64	-0.004947	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-28.44	-0.016276	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	3.03	0.001765	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	8.46	0.004924	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	12.96	0.007546	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	11.29	0.006571	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	13.34	0.007768	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	5.93	0.003422	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	16.37	0.009448	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	30.08	0.017360	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	3.65	0.002107	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	1.63	0.000941	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-32.96	-0.018862	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	-48.26	-0.027617	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	9.15	0.005234	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-17.78	-0.010172	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	-16.51	-0.009449	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	1.29	0.000748	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	8.50	0.004943	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	3.58	0.002082	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	-13.80	-0.008024	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-20.58	-0.011964	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	30.26	0.017469	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	5.99	0.003455	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	14.00	0.008079	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	15.10	0.008717	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	35.74	0.020629	±2.5	PASS



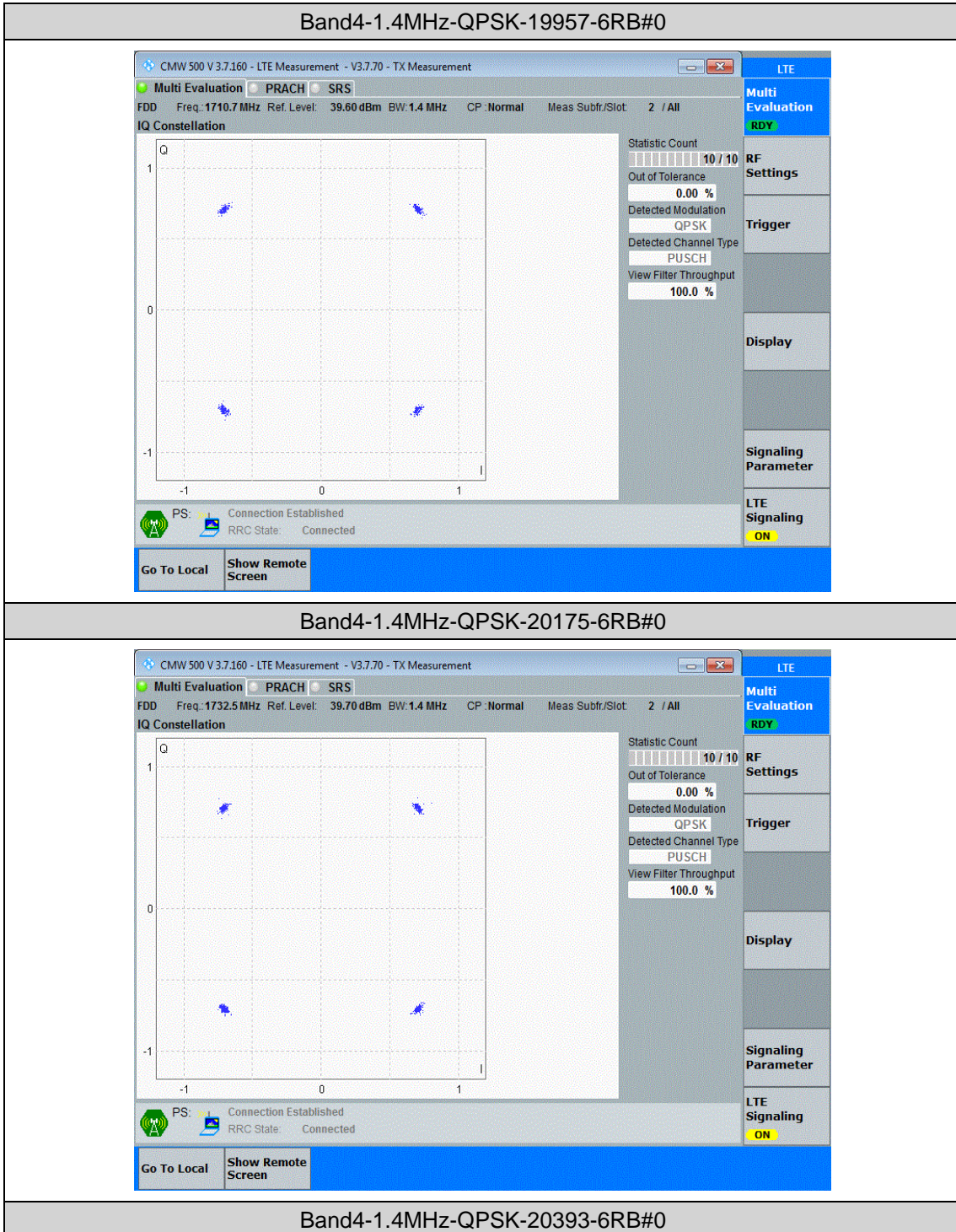
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-13.43	-0.007699	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-62.92	-0.036059	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-27.47	-0.015741	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-44.42	-0.025456	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-42.73	-0.024488	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	11.89	0.006915	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	11.86	0.006894	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	11.76	0.006838	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	21.91	0.012740	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-13.28	-0.007719	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	2.62	0.001512	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	17.29	0.009978	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	24.07	0.013893	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	27.78	0.016037	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	40.85	0.023578	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-19.68	-0.011279	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-24.01	-0.013761	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-27.48	-0.015747	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-33.11	-0.018975	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-31.67	-0.018147	±2.5	PASS

## Appendix G: Modulation Characteristics

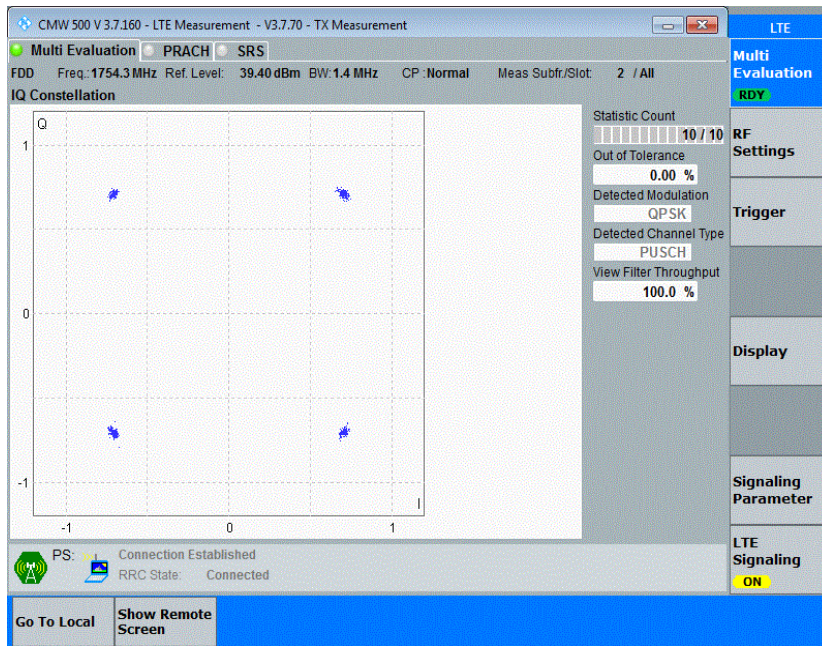
### Test Result

Band	Channel	Result	Verdict
Band4	19957	PASS	PASS
Band4	20175	PASS	PASS
Band4	20393	PASS	PASS
Band4	19957	PASS	PASS
Band4	20175	PASS	PASS
Band4	20393	PASS	PASS
Band4	19965	PASS	PASS
Band4	20175	PASS	PASS
Band4	20385	PASS	PASS
Band4	19965	PASS	PASS
Band4	20175	PASS	PASS
Band4	20385	PASS	PASS
Band4	19975	PASS	PASS
Band4	20175	PASS	PASS
Band4	20375	PASS	PASS
Band4	19975	PASS	PASS
Band4	20175	PASS	PASS
Band4	20375	PASS	PASS
Band4	20000	PASS	PASS
Band4	20175	PASS	PASS
Band4	20350	PASS	PASS
Band4	20000	PASS	PASS
Band4	20175	PASS	PASS
Band4	20350	PASS	PASS
Band4	20025	PASS	PASS
Band4	20175	PASS	PASS
Band4	20325	PASS	PASS
Band4	20025	PASS	PASS
Band4	20175	PASS	PASS
Band4	20325	PASS	PASS
Band4	20050	PASS	PASS
Band4	20175	PASS	PASS
Band4	20300	PASS	PASS
Band4	20050	PASS	PASS
Band4	20175	PASS	PASS
Band4	20300	PASS	PASS

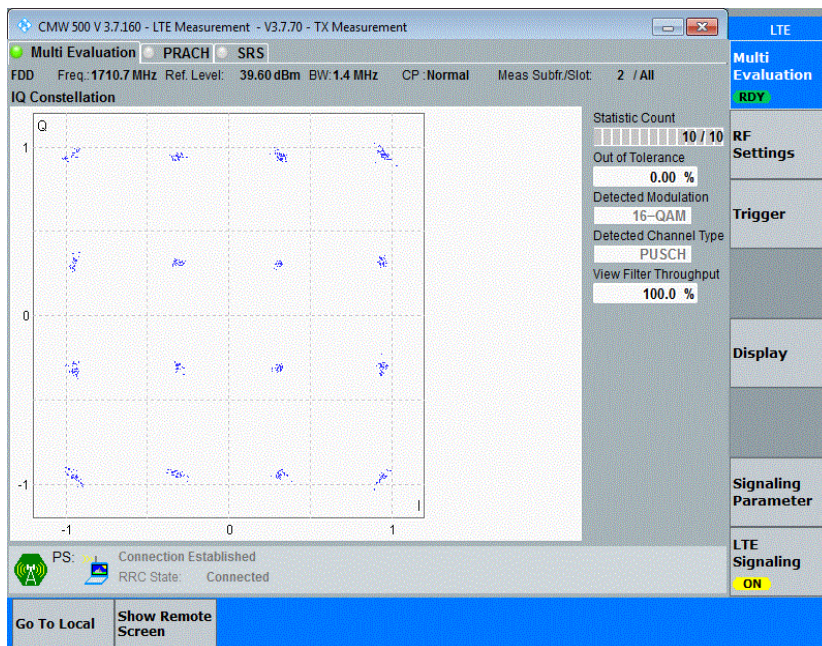
### Test Graphs



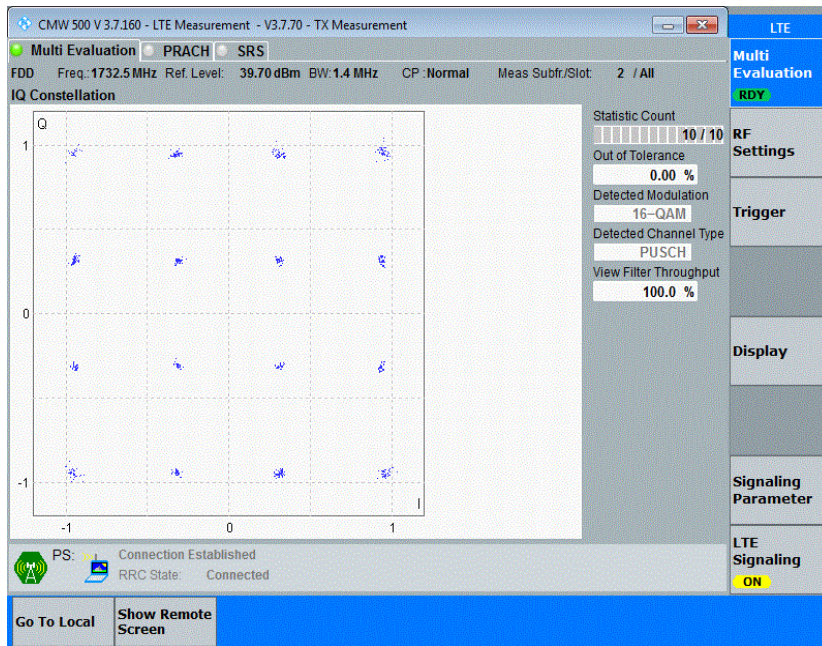




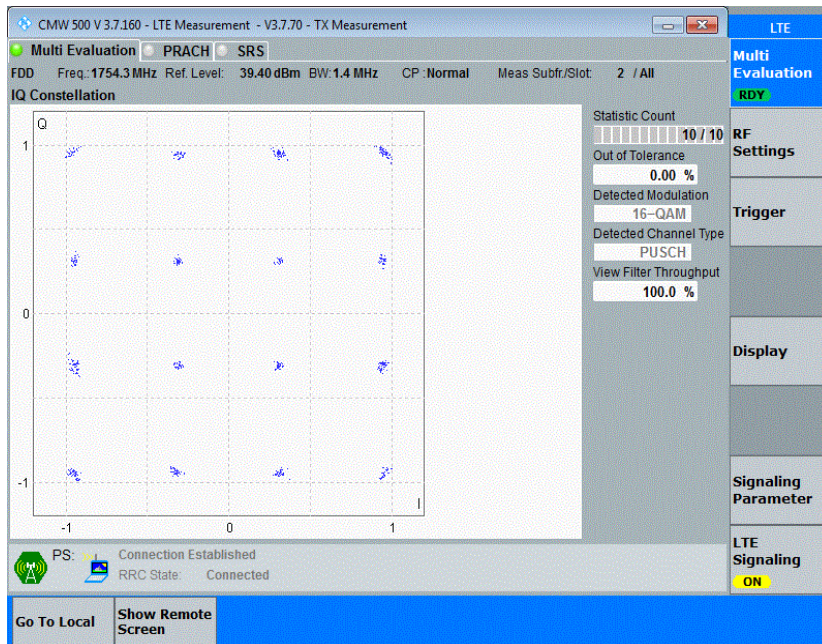
Band4-1.4MHz-16QAM-19957-6RB#0



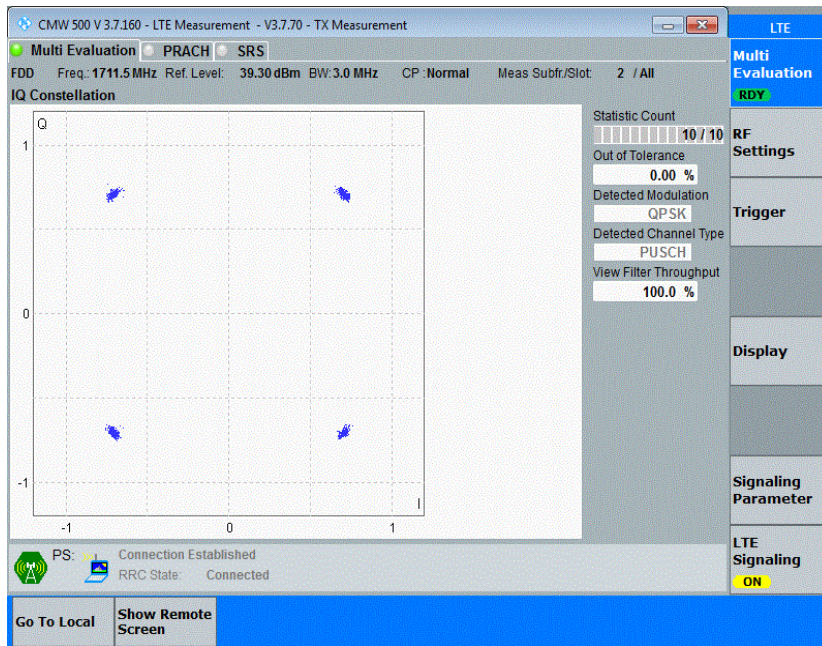
Band4-1.4MHz-16QAM-20175-6RB#0



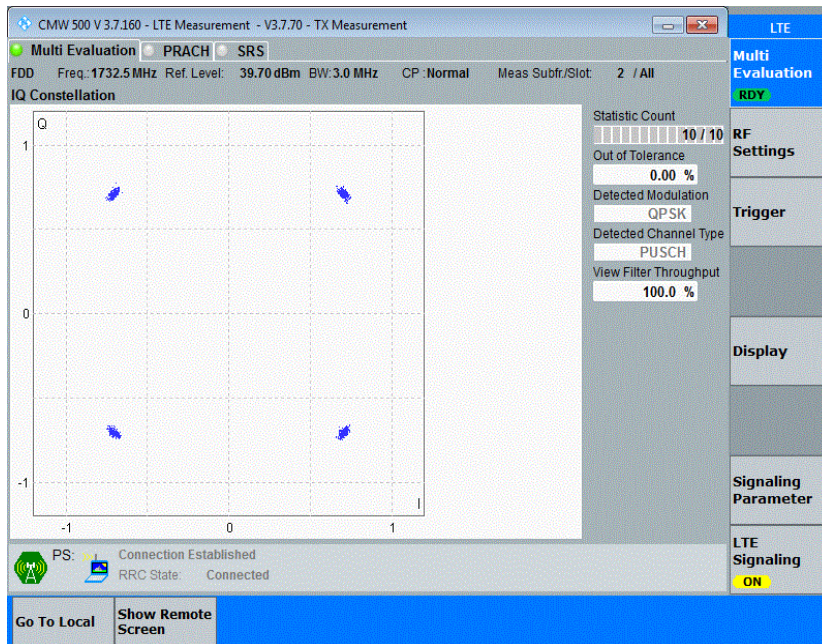
Band4-1.4MHz-16QAM-20393-6RB#0



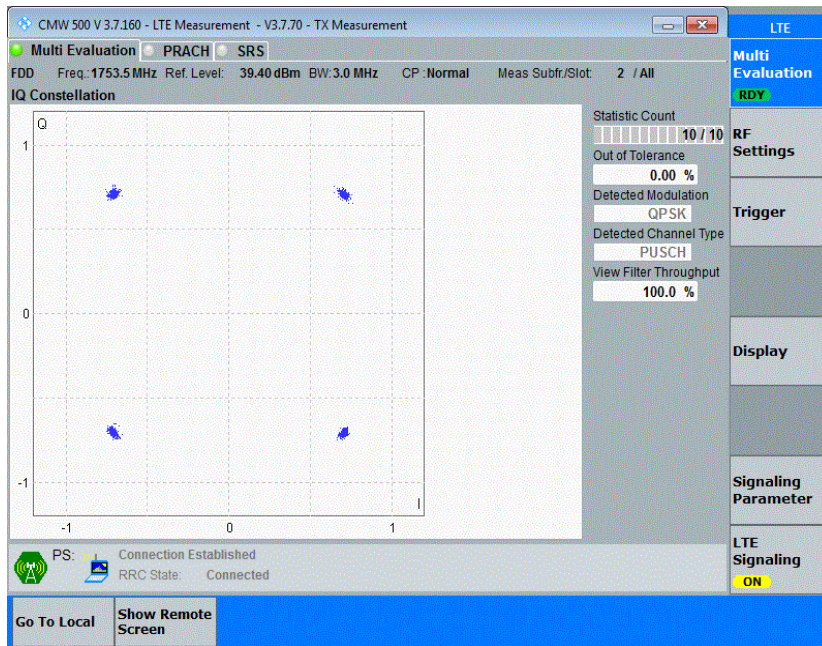
Band4-3MHz-QPSK-19965-15RB#0



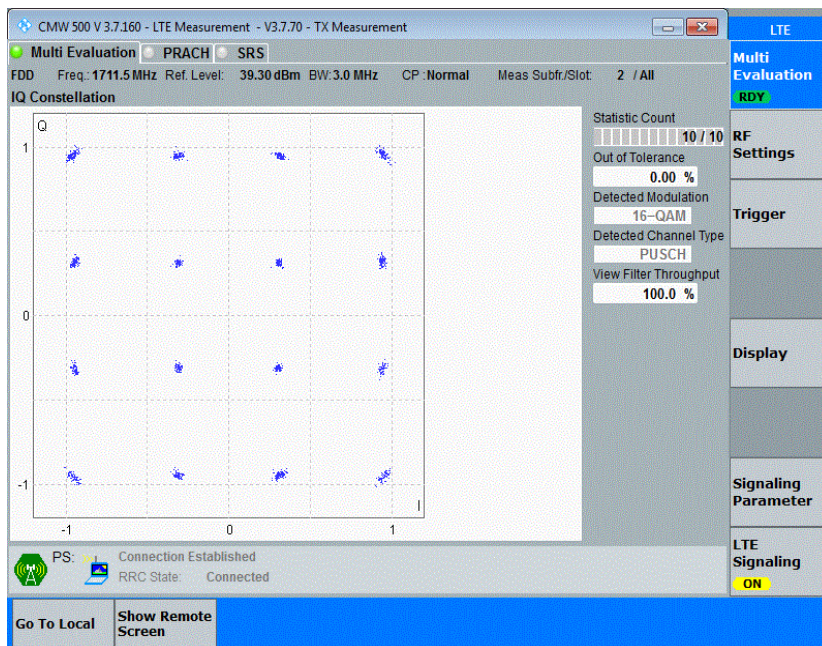
Band4-3MHz-QPSK-20175-15RB#0



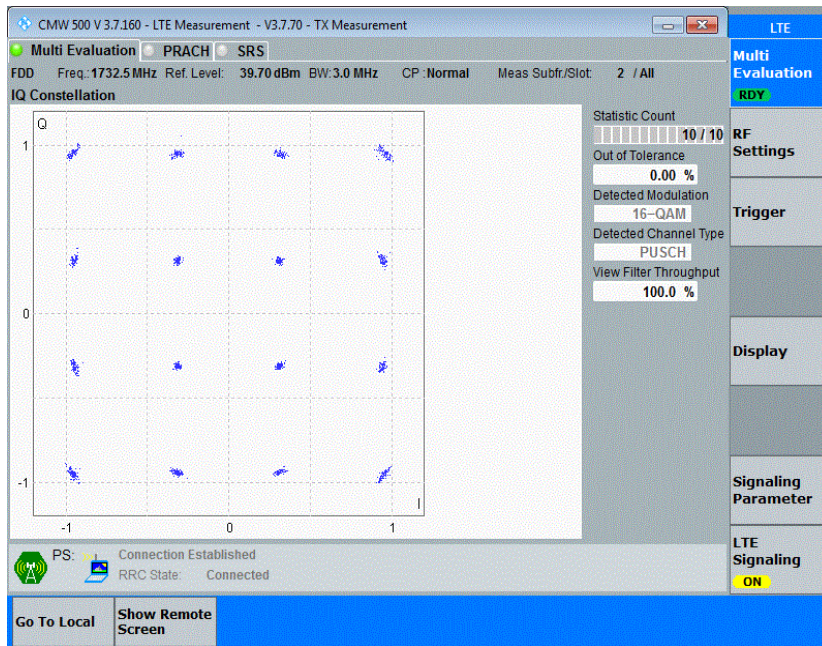
Band4-3MHz-QPSK-20385-15RB#0



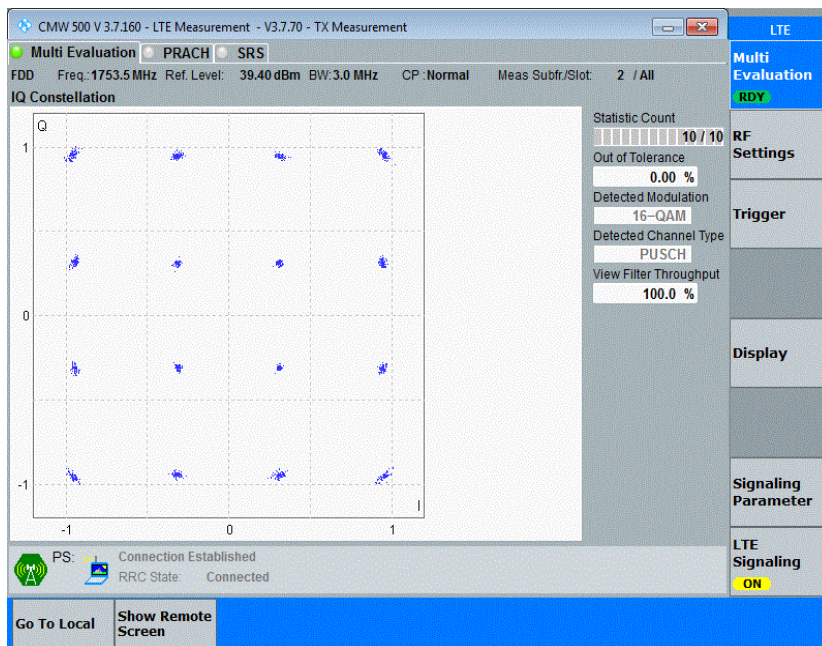
Band4-3MHz-16QAM-19965-15RB#0



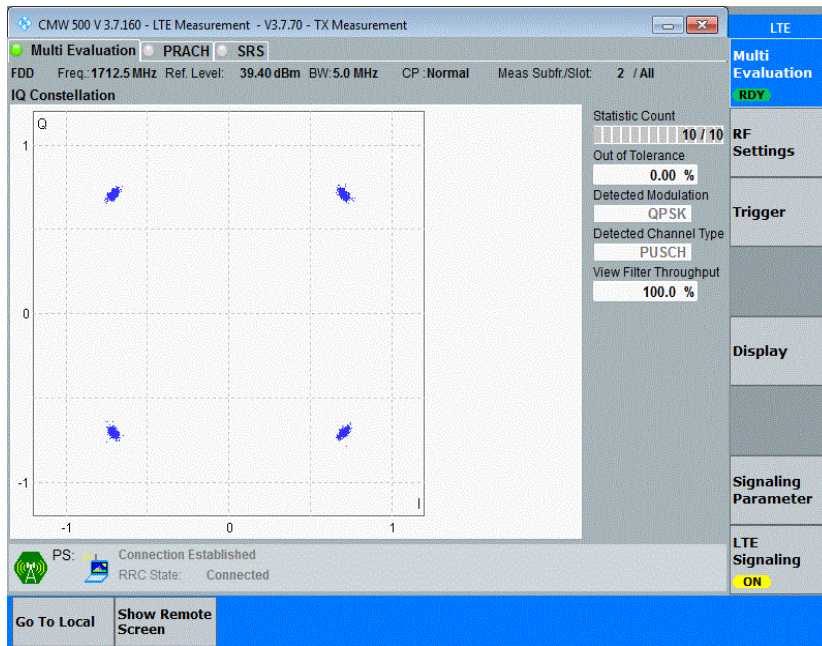
Band4-3MHz-16QAM-20175-15RB#0



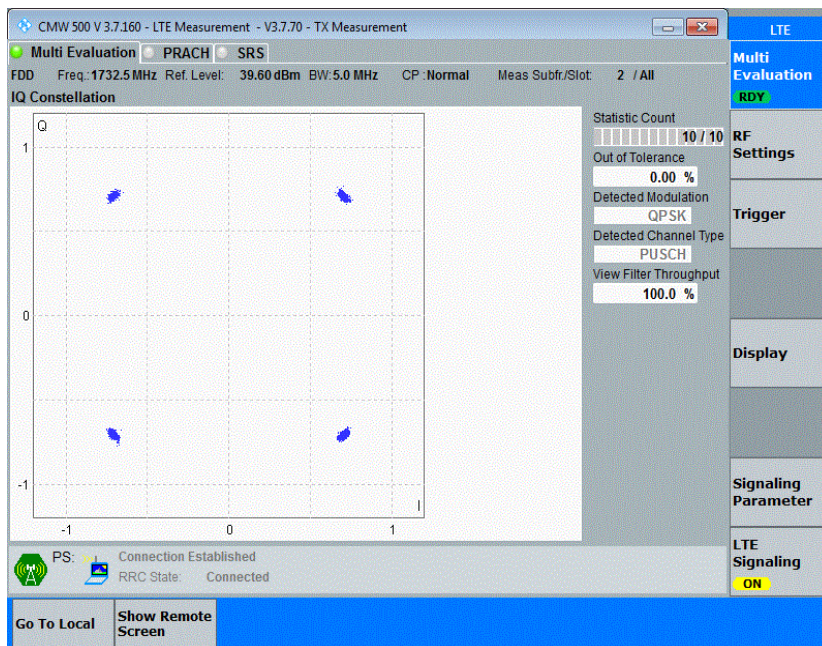
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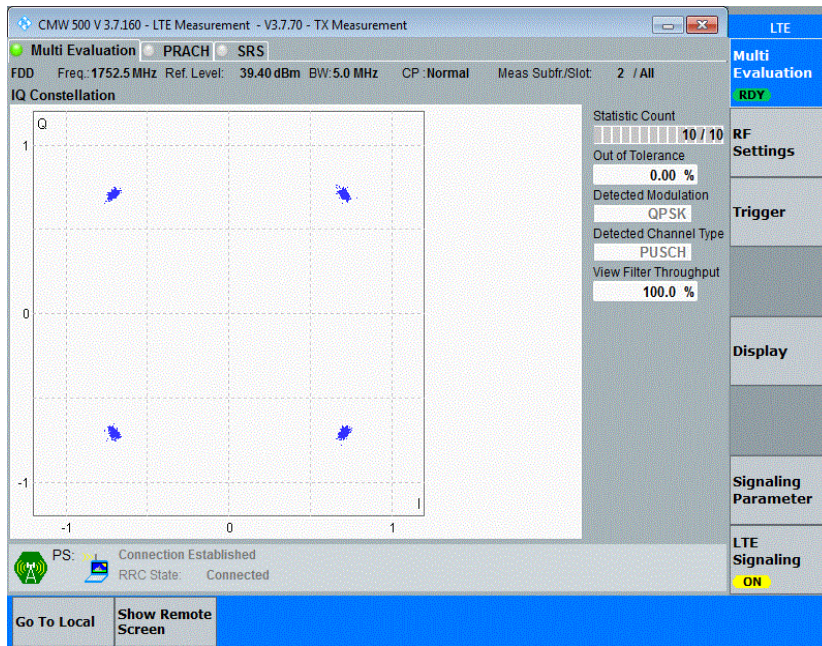
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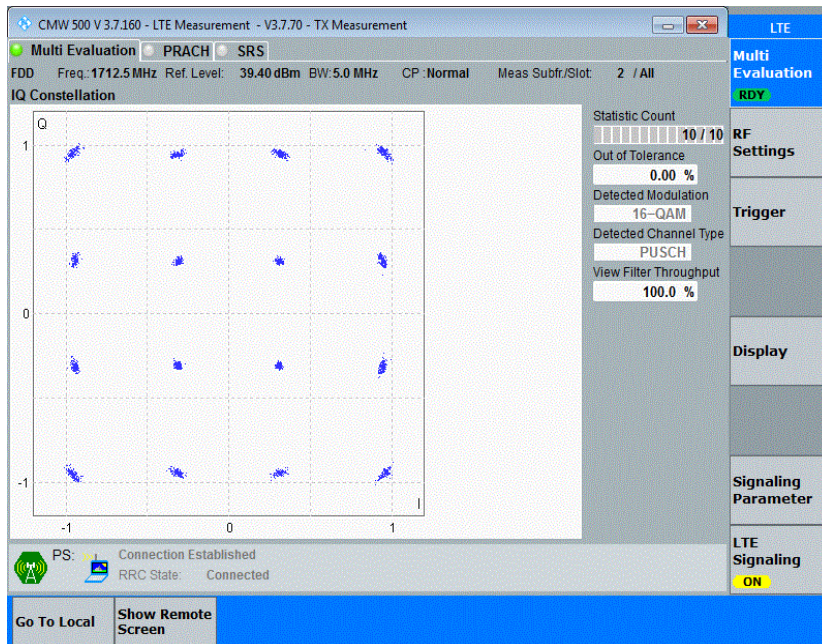
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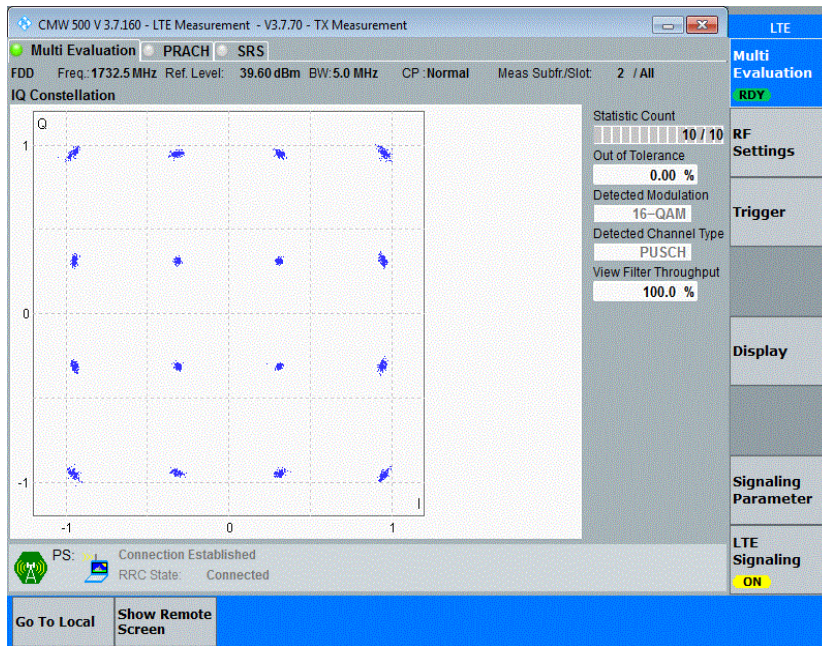
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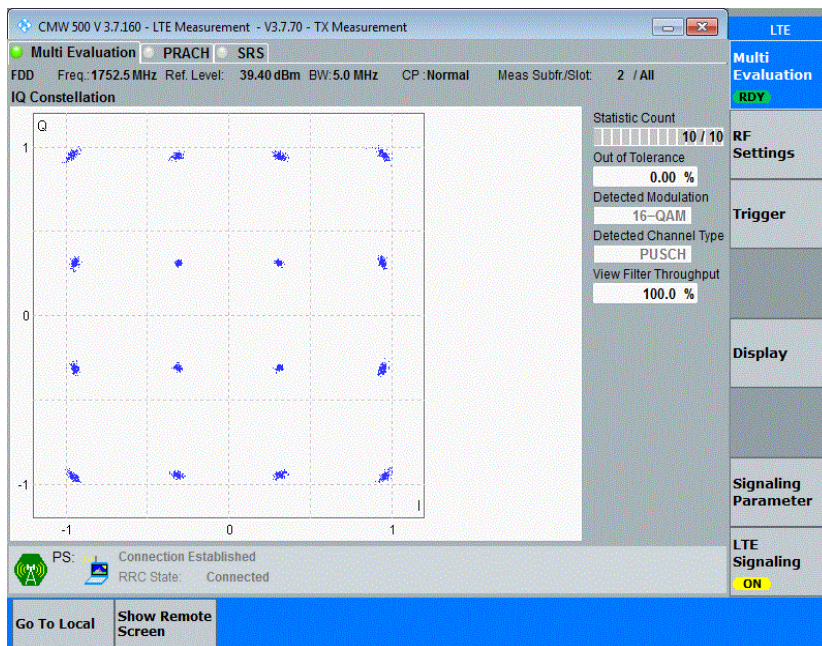
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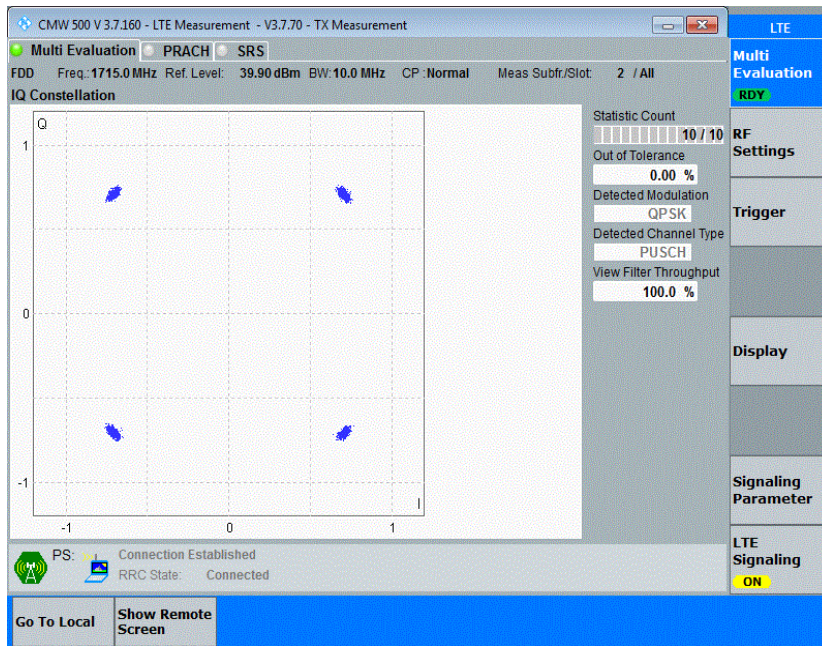


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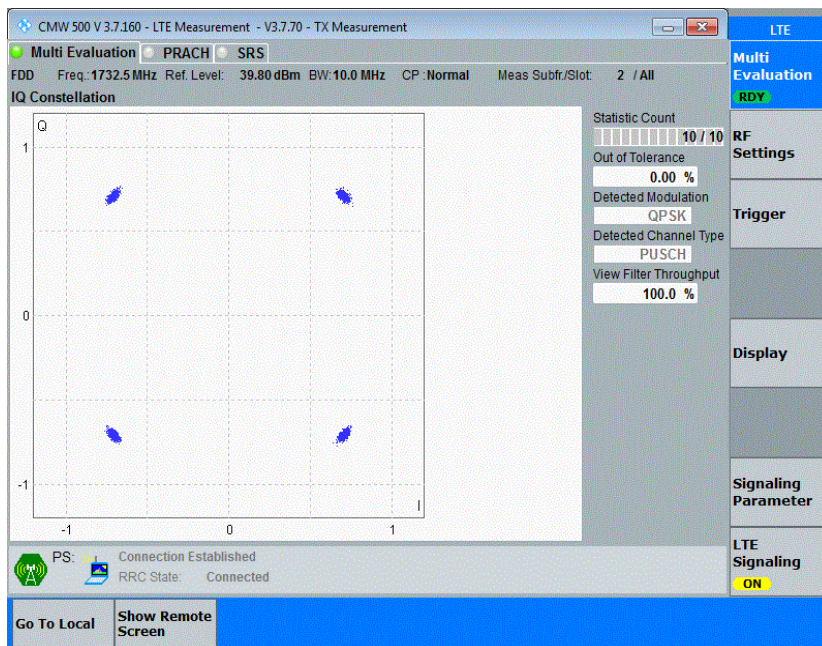


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Band4-10MHz-QPSK-20175-50RB#0



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