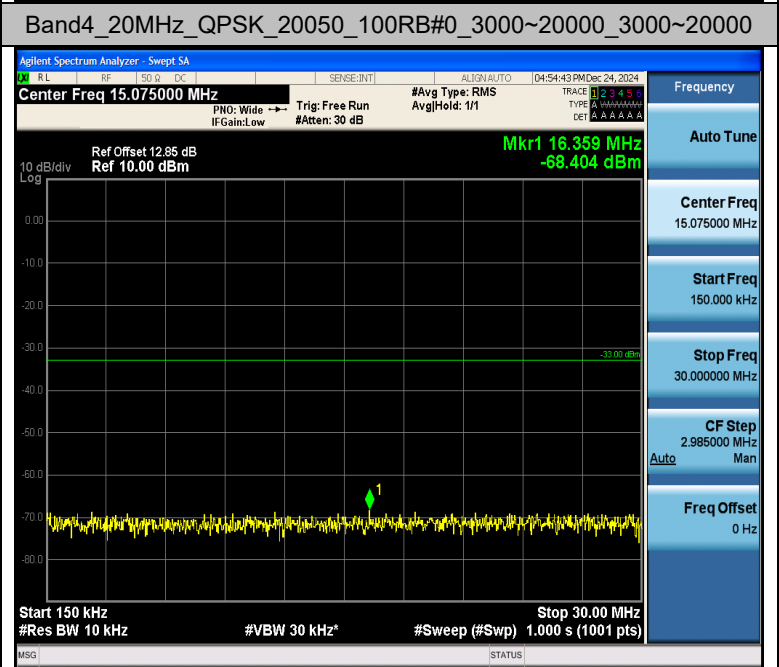
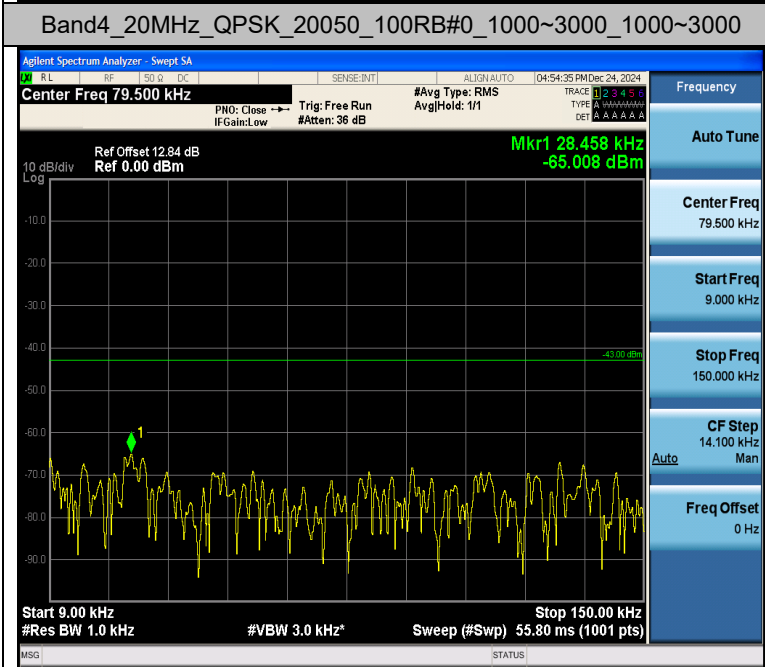
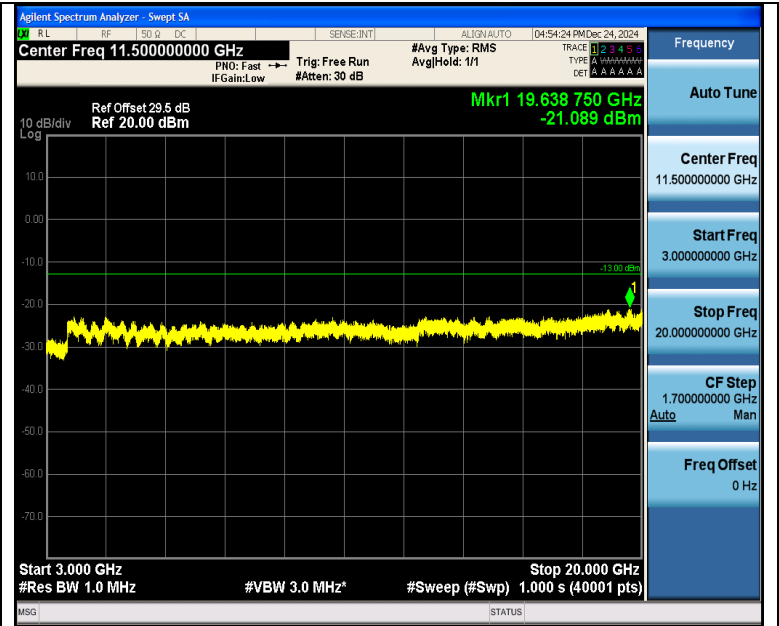
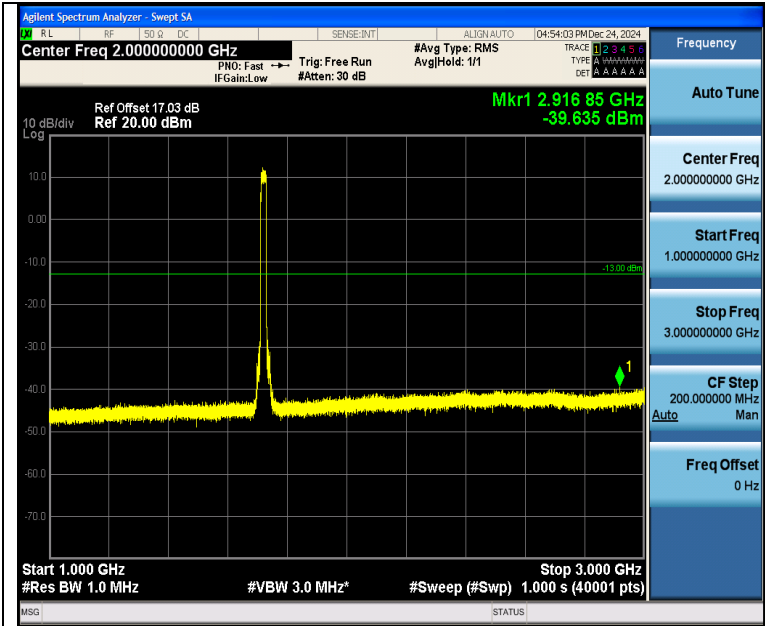
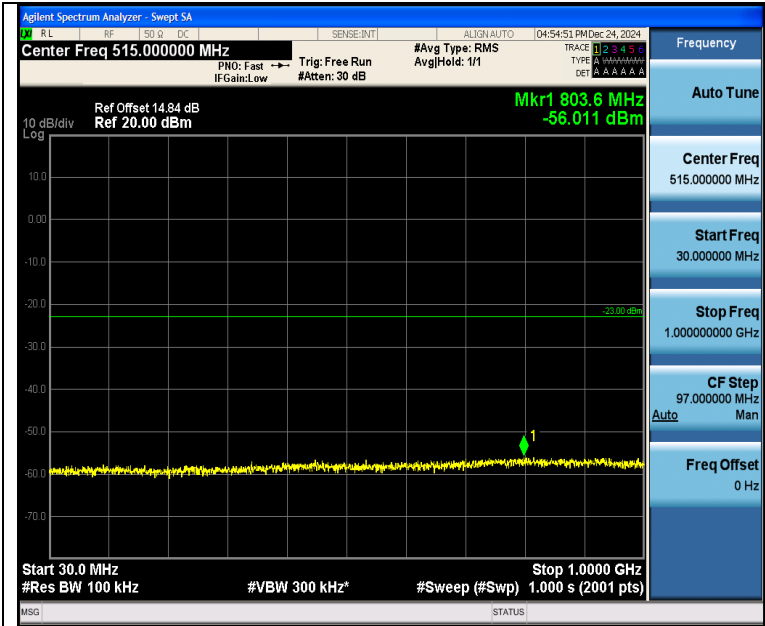


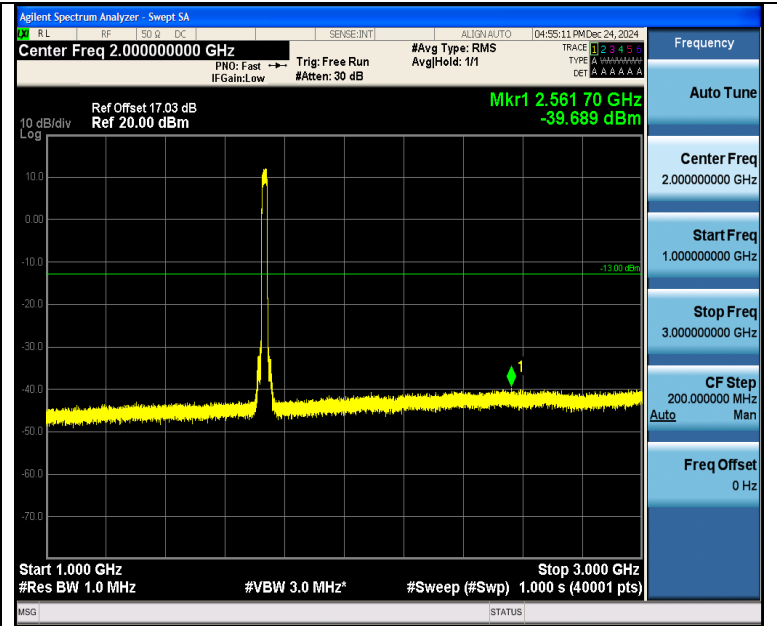


Band4_20MHz_QPSK_20175_100RB#0_0.009~0.15_0.009~0.15

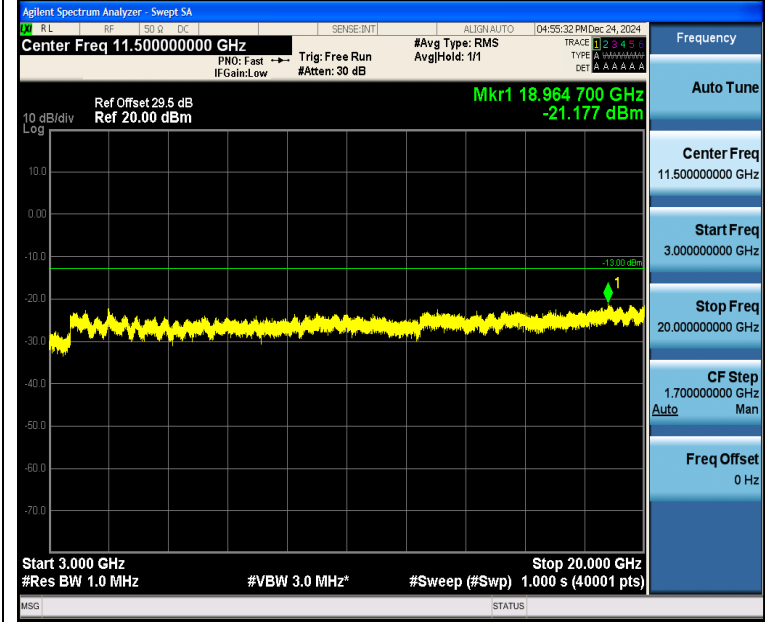
Band4_20MHz_QPSK_20175_100RB#0_0.15~30_0.15~30



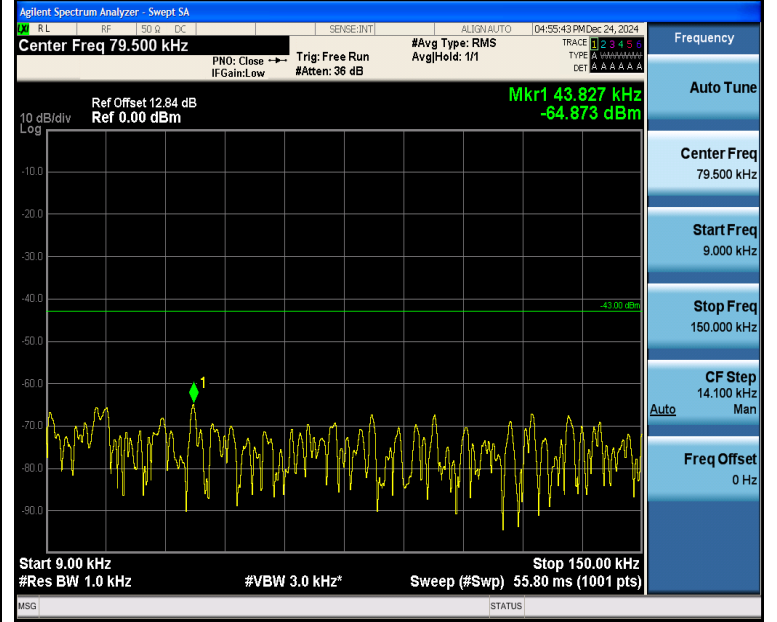
Band4_20MHz_QPSK_20175_100RB#0_30~1000_30~1000



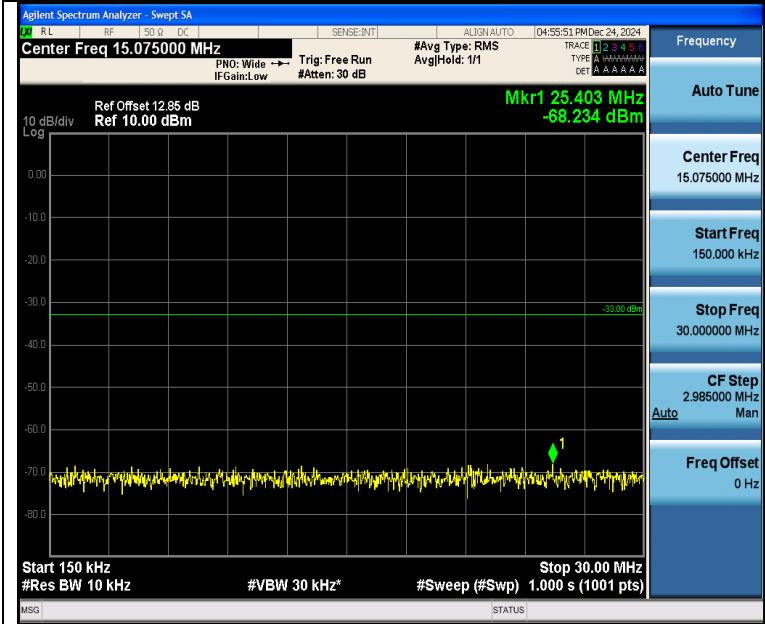
Band4_20MHz_QPSK_20175_100RB#0_1000~3000_1000~3000



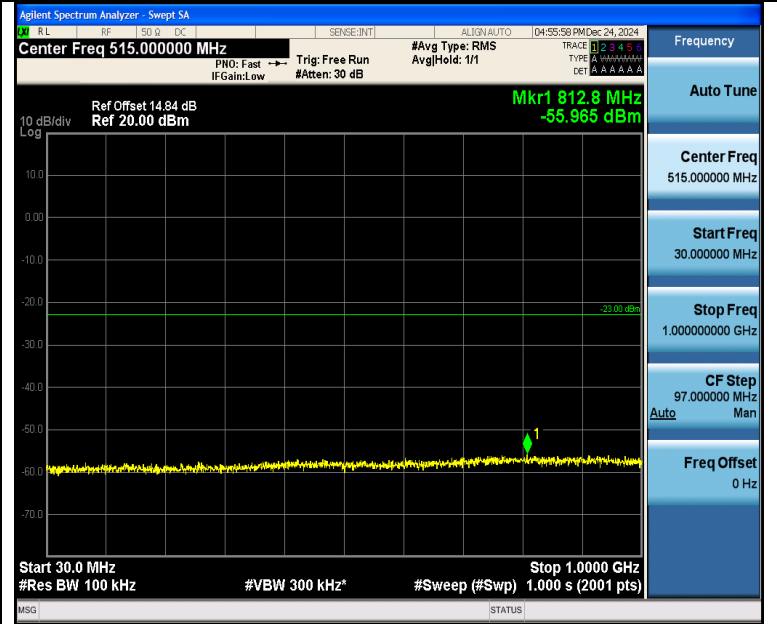
Band4_20MHz_QPSK_20175_100RB#0_3000~20000_3000~20000



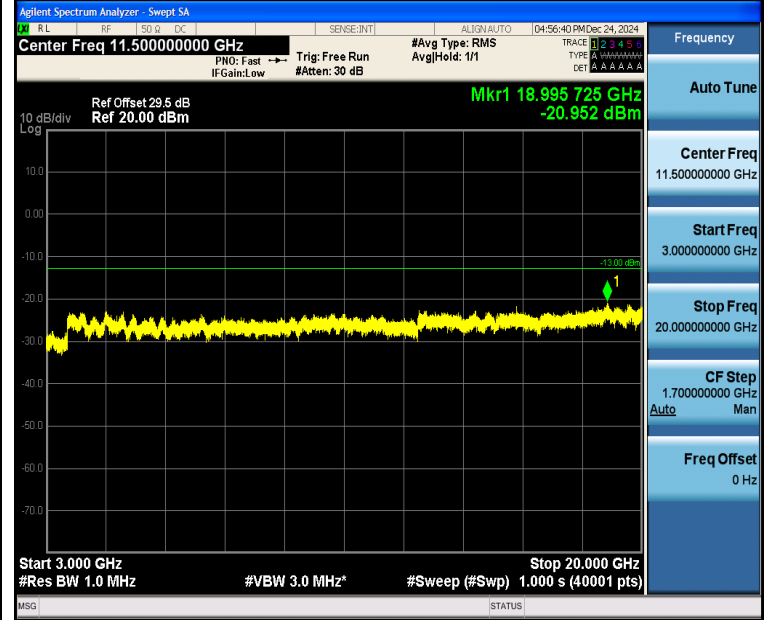
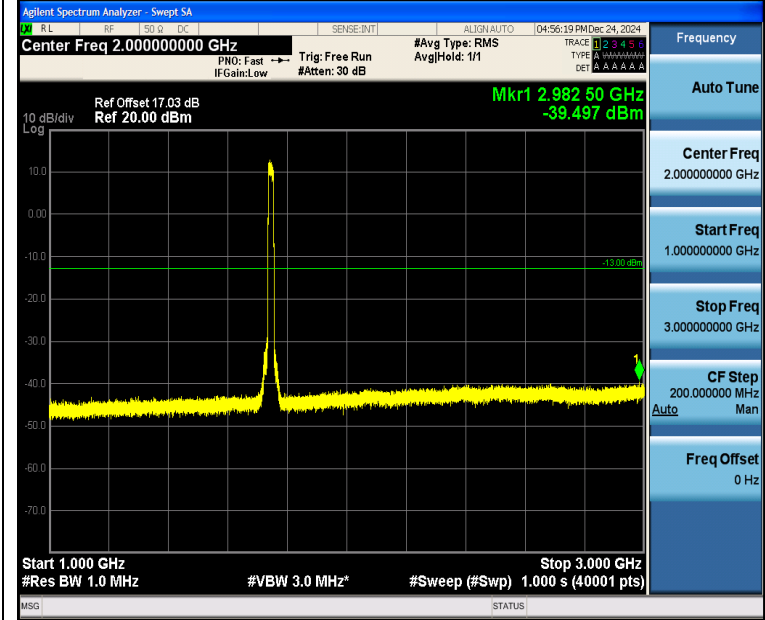
Band4_20MHz_QPSK_20300_100RB#0_0.009~0.15_0.009~0.15



Band4_20MHz_QPSK_20300_100RB#0_0.15~30_0.15~30



Band4_20MHz_QPSK_20300_100RB#0_30~1000_30~1000



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	VN	NT	5.12	0.002993	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	4.76	0.002782	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	5.98	0.003496	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	6.82	0.003987	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	5.02	0.002934	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	3.26	0.001906	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	5.71	0.003296	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-4.23	-0.002442	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	2.99	0.001726	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	5.01	0.002892	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-2.80	-0.001616	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	6.01	0.003469	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-5.94	-0.003386	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-8.25	-0.004703	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-5.76	-0.003283	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-7.30	-0.004161	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-6.32	-0.003603	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-4.95	-0.002822	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	8.38	0.004896	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	6.58	0.003845	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	-5.24	-0.003062	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	-3.36	-0.001963	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	5.08	0.002968	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-4.26	-0.002489	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	4.09	0.002361	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-4.05	-0.002338	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-5.16	-0.002978	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	4.62	0.002667	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	-4.81	-0.002776	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	3.00	0.001732	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	-7.75	-0.004420	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	3.35	0.001910	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	4.49	0.002561	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	-2.29	-0.001306	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	-1.73	-0.000987	±2.5	PASS

Band4	3MHz	16QAM	20385	15RB#0	VH	NT	5.45	0.003108	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	3.93	0.002295	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	-3.03	-0.001769	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	3.53	0.002061	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	-4.76	-0.002780	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	5.54	0.003235	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	4.45	0.002599	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-5.97	-0.003446	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-4.25	-0.002453	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	5.51	0.003180	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	-5.44	-0.003140	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	3.69	0.002130	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	-2.60	-0.001501	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-5.66	-0.003230	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-5.08	-0.002899	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-7.80	-0.004451	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-6.35	-0.003623	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-7.72	-0.004405	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-5.98	-0.003412	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-3.69	-0.002152	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-6.18	-0.003603	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-6.21	-0.003621	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-2.12	-0.001224	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	4.06	0.002343	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	6.61	0.003815	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	2.95	0.001686	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	4.43	0.002531	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	4.95	0.002829	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-4.33	-0.002521	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	3.26	0.001898	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	2.90	0.001689	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	6.52	0.003763	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	6.77	0.003908	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	6.51	0.003758	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	-4.71	-0.002695	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	4.89	0.002798	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	5.32	0.003044	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	4.59	0.002669	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	4.95	0.002878	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	6.45	0.003750	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	3.19	0.001841	±2.5	PASS

Band4	20MHz	QPSK	20175	100RB#0	VL	NT	4.59	0.002649	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	6.25	0.003608	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-9.27	-0.005312	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-6.69	-0.003834	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-7.31	-0.004189	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	4.32	0.002525	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	6.27	0.003665	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	5.04	0.002946	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	6.57	0.003841	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	3.66	0.002139	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	7.91	0.004624	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	-3.66	-0.002139	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	6.45	0.003770	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	3.23	0.001888	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	3.88	0.002268	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	5.64	0.003297	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	7.12	0.004162	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-7.28	-0.004256	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	3.66	0.002139	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	4.45	0.002601	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	-4.88	-0.002853	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	3.32	0.001941	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	4.16	0.002432	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-6.09	-0.003515	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-4.75	-0.002742	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	-3.60	-0.002078	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	2.36	0.001362	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-3.28	-0.001893	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-6.12	-0.003532	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	4.75	0.002742	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	3.33	0.001922	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	5.52	0.003186	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	6.65	0.003838	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	2.36	0.001362	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	-10.47	-0.006043	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	4.36	0.002517	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-5.64	-0.003255	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	6.95	0.004012	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	-2.36	-0.001362	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	-5.59	-0.003227	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	7.31	0.004219	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-5.91	-0.003369	±2.5	PASS

Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-4.09	-0.002331	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-9.01	-0.005136	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-6.54	-0.003728	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-8.87	-0.005056	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-6.97	-0.003973	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-4.28	-0.002440	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-4.58	-0.002611	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-8.96	-0.005107	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-5.66	-0.003226	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-6.14	-0.003500	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-8.85	-0.005045	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-5.65	-0.003221	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-7.48	-0.004264	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-6.75	-0.003848	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-6.04	-0.003443	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-4.92	-0.002805	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	5.39	0.003072	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	-3.68	-0.002150	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	4.32	0.002524	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	3.38	0.001975	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	3.66	0.002138	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-2.23	-0.001303	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	3.79	0.002214	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	2.96	0.001729	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-3.26	-0.001905	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-4.56	-0.002664	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-5.25	-0.003067	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	-4.48	-0.002618	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	-4.65	-0.002717	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	-6.17	-0.003605	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-4.45	-0.002600	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-3.69	-0.002156	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	2.09	0.001221	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	-4.29	-0.002507	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	6.59	0.003850	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-4.72	-0.002724	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	6.15	0.003550	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	2.86	0.001651	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-3.35	-0.001934	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-3.35	-0.001934	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-7.15	-0.004127	±2.5	PASS

Band4	3MHz	QPSK	20175	15RB#0	NV	30	-3.02	-0.001743	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	-3.82	-0.002205	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	-4.03	-0.002326	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	6.68	0.003856	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-4.42	-0.002551	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	5.06	0.002921	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-4.19	-0.002418	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	3.66	0.002113	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	3.50	0.002020	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	6.05	0.003492	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	5.18	0.002990	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	4.72	0.002724	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	4.62	0.002635	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	5.14	0.002931	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	-3.02	-0.001722	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-3.20	-0.001825	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	3.92	0.002236	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-3.56	-0.002030	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-4.53	-0.002583	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	7.27	0.004146	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	-3.95	-0.002253	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	-4.48	-0.002555	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-2.40	-0.001369	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	-5.45	-0.003108	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	5.42	0.003091	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	-2.50	-0.001426	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	5.15	0.002937	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	-3.50	-0.001996	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	-4.39	-0.002504	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-4.65	-0.002652	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	-5.29	-0.003089	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	5.51	0.003218	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	8.34	0.004870	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	-3.58	-0.002091	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	5.62	0.003282	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	-6.87	-0.004012	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	5.28	0.003083	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	4.76	0.002780	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	50	-5.64	-0.003293	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	10.31	0.006020	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	4.43	0.002587	±2.5	PASS

Band4	5MHz	16QAM	19975	25RB#0	NV	-10	4.22	0.002464	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	4.62	0.002698	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	8.78	0.005127	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	5.31	0.003101	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	6.55	0.003825	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	-3.39	-0.001980	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	50	5.82	0.003399	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	3.06	0.001766	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	4.33	0.002499	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-6.41	-0.003700	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-6.42	-0.003706	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	5.05	0.002915	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	6.04	0.003486	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	6.82	0.003937	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-3.25	-0.001876	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-4.32	-0.002494	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	2.79	0.001610	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	3.43	0.001980	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	-5.72	-0.003302	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	-6.87	-0.003965	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	-2.88	-0.001662	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	4.86	0.002805	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	2.30	0.001328	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	4.22	0.002436	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	3.86	0.002228	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-4.61	-0.002631	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-8.44	-0.004816	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-9.10	-0.005193	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-5.16	-0.002944	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-6.11	-0.003486	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-7.52	-0.004291	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-14.89	-0.008496	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-4.51	-0.002573	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-5.98	-0.003412	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-8.07	-0.004605	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-5.94	-0.003389	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-5.49	-0.003133	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	5.79	0.003304	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-5.25	-0.002996	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-5.39	-0.003076	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	-9.50	-0.005421	±2.5	PASS

Band4	5MHz	16QAM	20375	25RB#0	NV	40	-5.94	-0.003389	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	-4.21	-0.002402	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-5.25	-0.003061	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-4.61	-0.002688	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-5.88	-0.003429	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-4.15	-0.002420	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-3.98	-0.002321	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-5.99	-0.003493	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-7.45	-0.004344	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-10.79	-0.006292	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-6.11	-0.003563	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-6.79	-0.003919	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	5.21	0.003007	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-4.12	-0.002378	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-6.11	-0.003527	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-4.94	-0.002851	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-6.14	-0.003544	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	2.65	0.001530	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	6.12	0.003532	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	4.05	0.002338	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	5.32	0.003040	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	4.52	0.002583	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	5.18	0.002960	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	4.31	0.002463	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	6.09	0.003480	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	5.68	0.003246	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	6.27	0.003583	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	4.82	0.002754	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	7.93	0.004531	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	3.73	0.002172	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	3.36	0.001956	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	4.72	0.002748	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-4.13	-0.002405	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	4.86	0.002830	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-3.29	-0.001916	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	2.33	0.001357	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	4.41	0.002568	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	5.98	0.003482	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	6.19	0.003573	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	7.08	0.004087	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	7.47	0.004312	±2.5	PASS

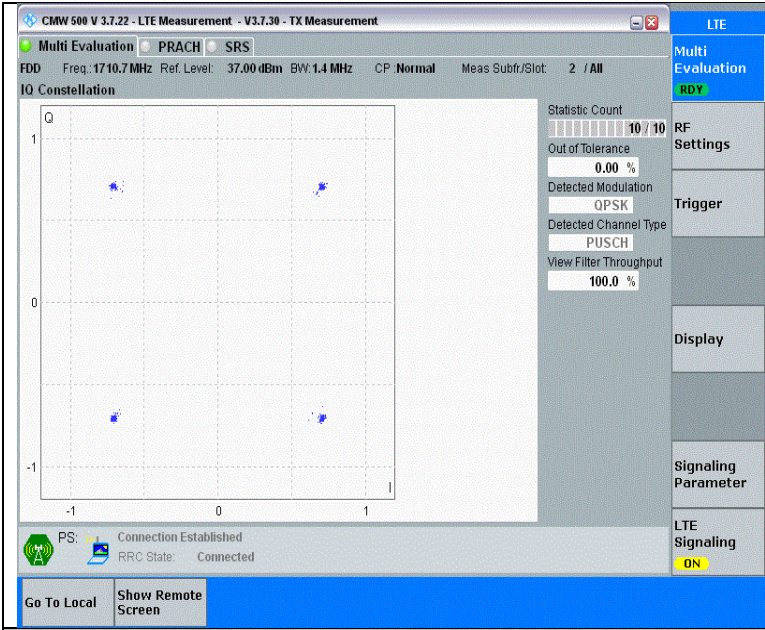
Band4	15MHz	QPSK	20175	75RB#0	NV	0	4.92	0.002840	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-2.85	-0.001645	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	4.73	0.002730	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	5.35	0.003088	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	5.24	0.003025	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	8.48	0.004895	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	3.89	0.002226	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-5.58	-0.003193	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	-3.89	-0.002226	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-3.05	-0.001745	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	6.47	0.003702	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-4.42	-0.002529	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	-3.65	-0.002089	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	3.35	0.001917	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	7.94	0.004544	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-5.15	-0.002994	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	9.34	0.005430	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	2.78	0.001616	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	-6.31	-0.003669	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	7.75	0.004506	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	-3.25	-0.001890	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	2.42	0.001407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	5.59	0.003250	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	7.77	0.004517	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	6.87	0.003965	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.31	0.002488	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	3.33	0.001922	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	6.72	0.003879	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	7.24	0.004179	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	5.34	0.003082	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	4.96	0.002863	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	5.76	0.003325	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	6.69	0.003861	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-6.21	-0.003559	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-7.02	-0.004023	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-4.61	-0.002642	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-3.53	-0.002023	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-7.32	-0.004195	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-8.01	-0.004590	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-6.57	-0.003765	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-5.41	-0.003100	±2.5	PASS

Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.72	-0.003278	±2.5	PASS
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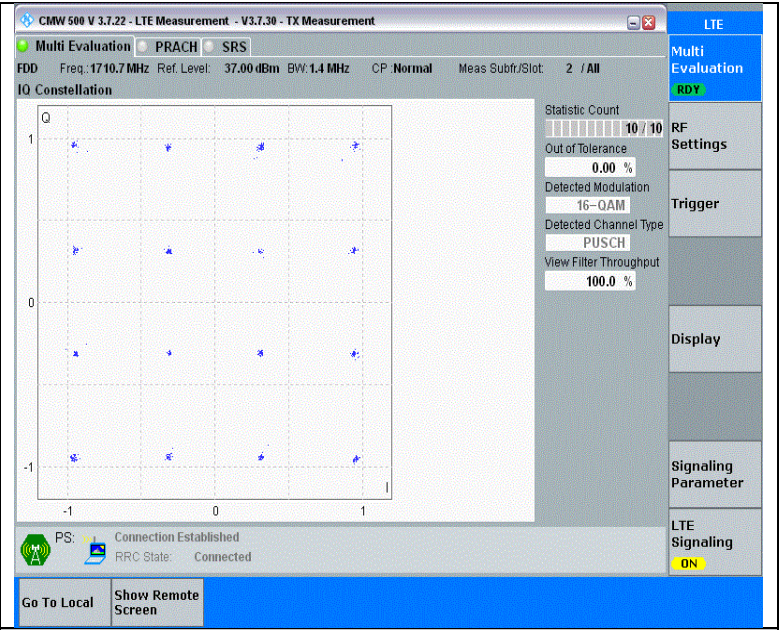
Appendix G: Modulation Characteristics

Test Result

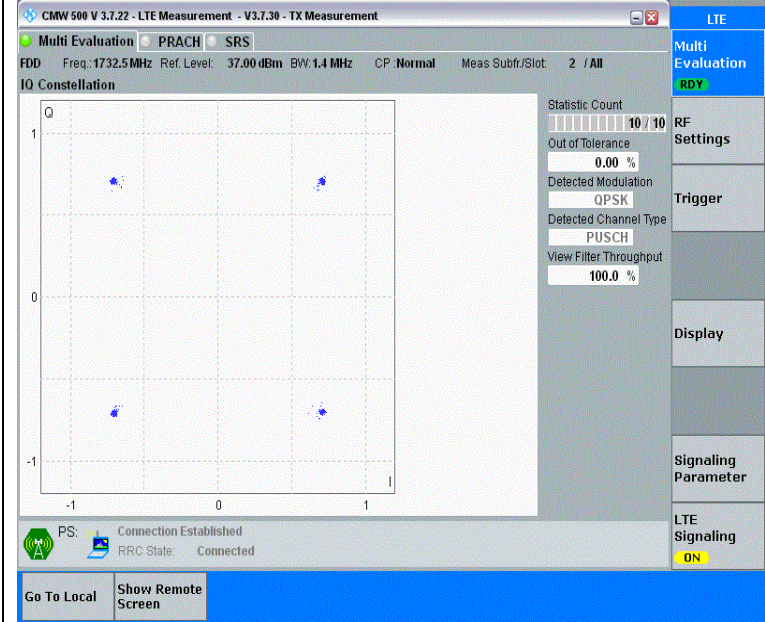
Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	PASS
Band4	3MHz	QPSK	19965	15RB#0	PASS
Band4	3MHz	16QAM	19965	15RB#0	PASS
Band4	3MHz	QPSK	20175	15RB#0	PASS
Band4	3MHz	16QAM	20175	15RB#0	PASS
Band4	3MHz	QPSK	20385	15RB#0	PASS
Band4	3MHz	16QAM	20385	15RB#0	PASS
Band4	5MHz	QPSK	19975	25RB#0	PASS
Band4	5MHz	16QAM	19975	25RB#0	PASS
Band4	5MHz	QPSK	20175	25RB#0	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS
Band4	5MHz	QPSK	20375	25RB#0	PASS
Band4	5MHz	16QAM	20375	25RB#0	PASS
Band4	10MHz	QPSK	20000	50RB#0	PASS
Band4	10MHz	QPSK	20175	50RB#0	PASS
Band4	10MHz	QPSK	20350	50RB#0	PASS
Band4	10MHz	16QAM	20000	1RB#0	PASS
Band4	10MHz	16QAM	20175	1RB#0	PASS
Band4	10MHz	16QAM	20350	1RB#0	PASS
Band4	15MHz	QPSK	20025	75RB#0	PASS
Band4	15MHz	QPSK	20175	75RB#0	PASS
Band4	15MHz	QPSK	20325	75RB#0	PASS
Band4	15MHz	16QAM	20025	1RB#0	PASS
Band4	15MHz	16QAM	20175	1RB#0	PASS
Band4	15MHz	16QAM	20325	1RB#0	PASS
Band4	20MHz	QPSK	20050	100RB#0	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS
Band4	20MHz	QPSK	20300	100RB#0	PASS
Band4	20MHz	16QAM	20050	1RB#0	PASS
Band4	20MHz	16QAM	20175	1RB#0	PASS
Band4	20MHz	16QAM	20300	1RB#0	PASS



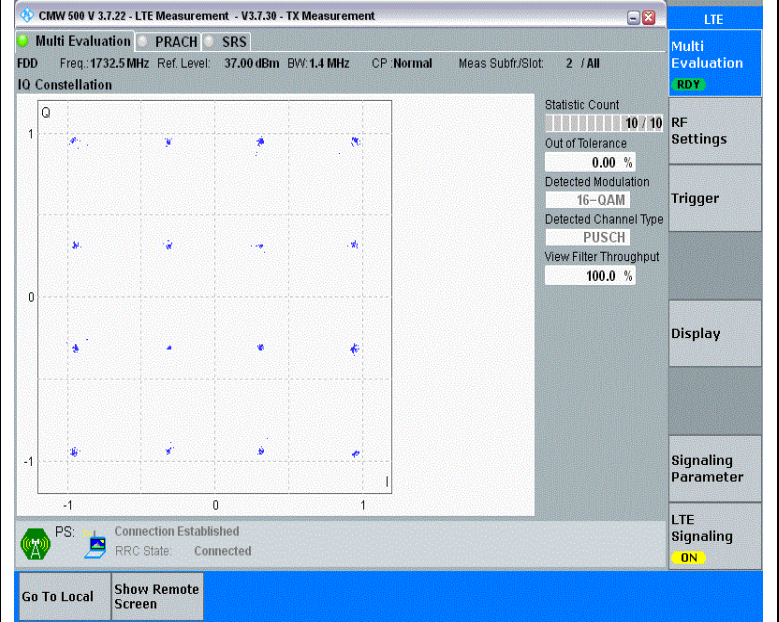
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



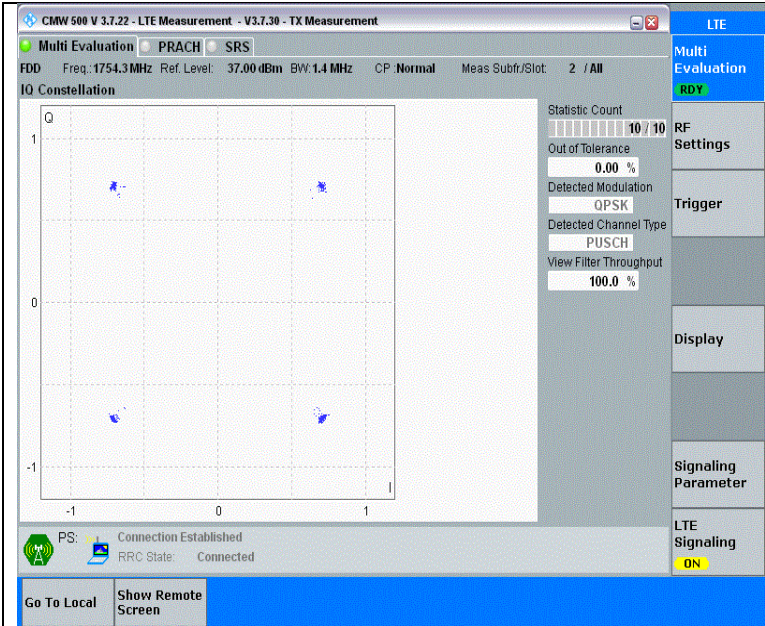
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



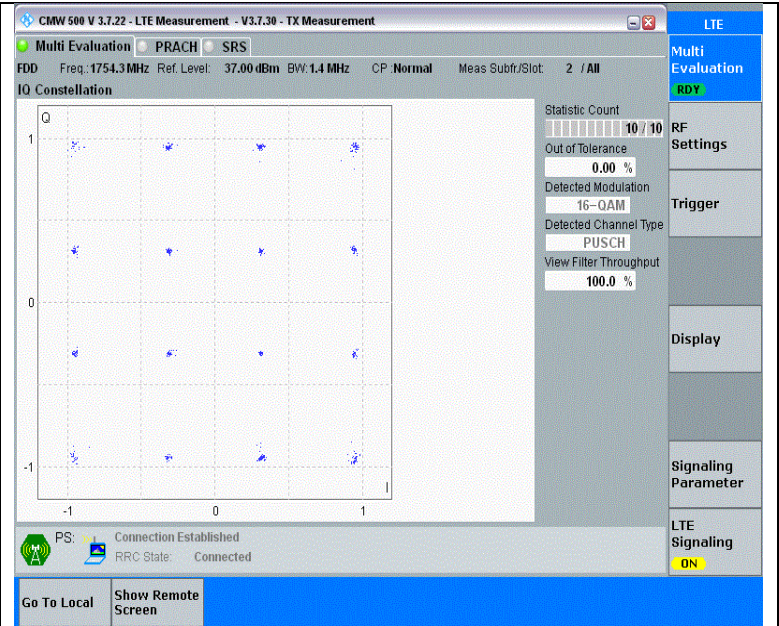
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



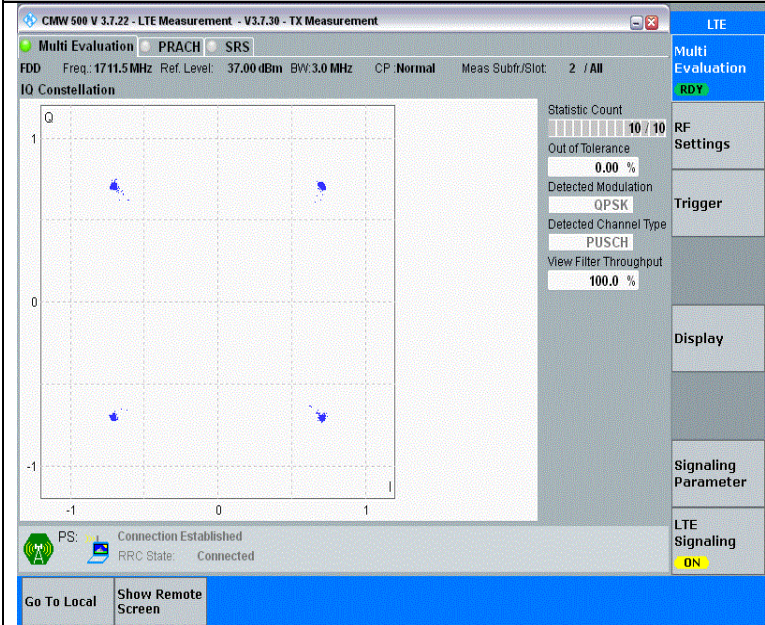
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



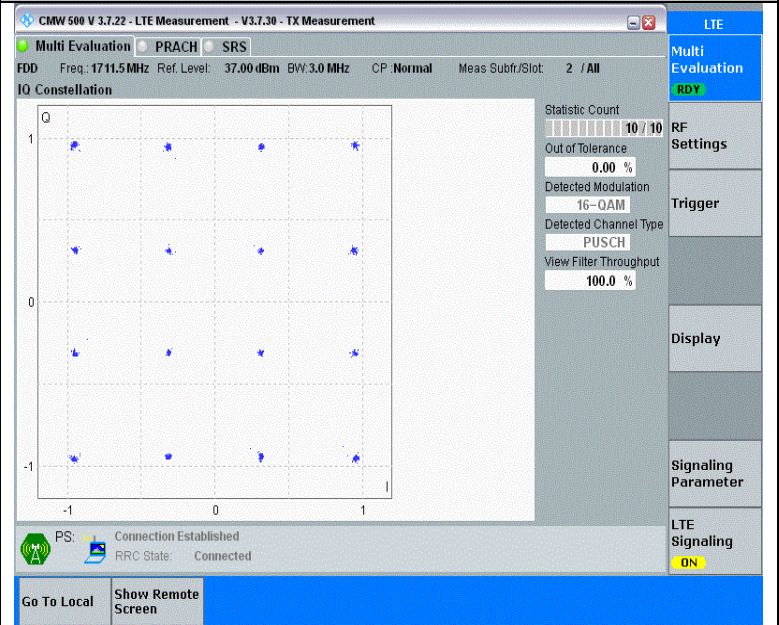
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



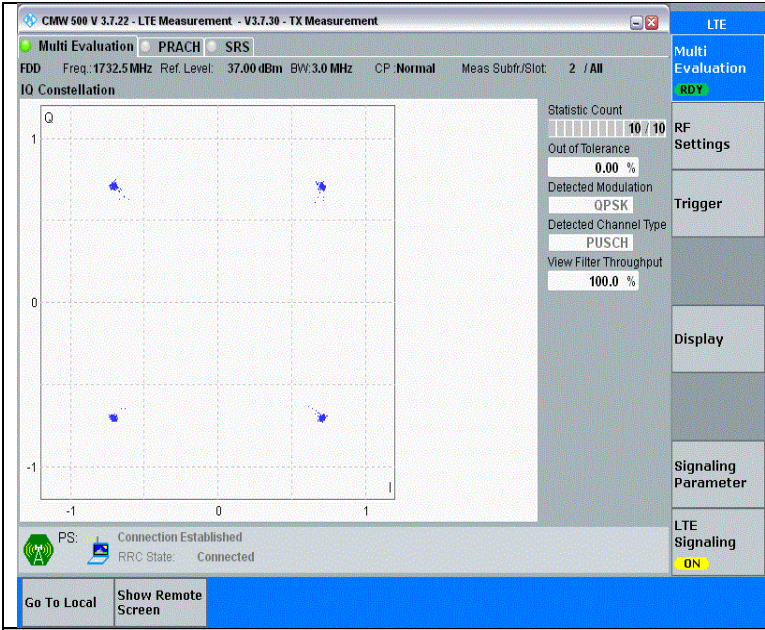
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



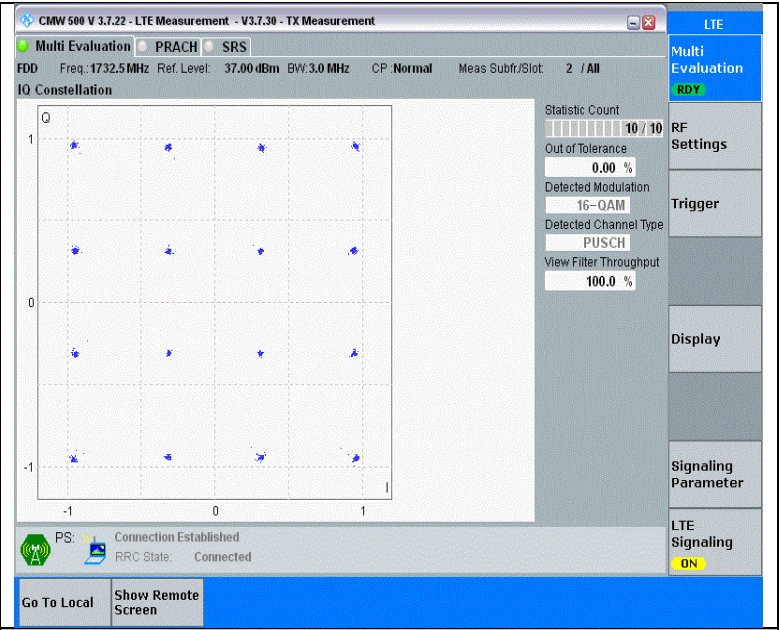
Band4-3MHz-QPSK-19965-15RB#0-PASS



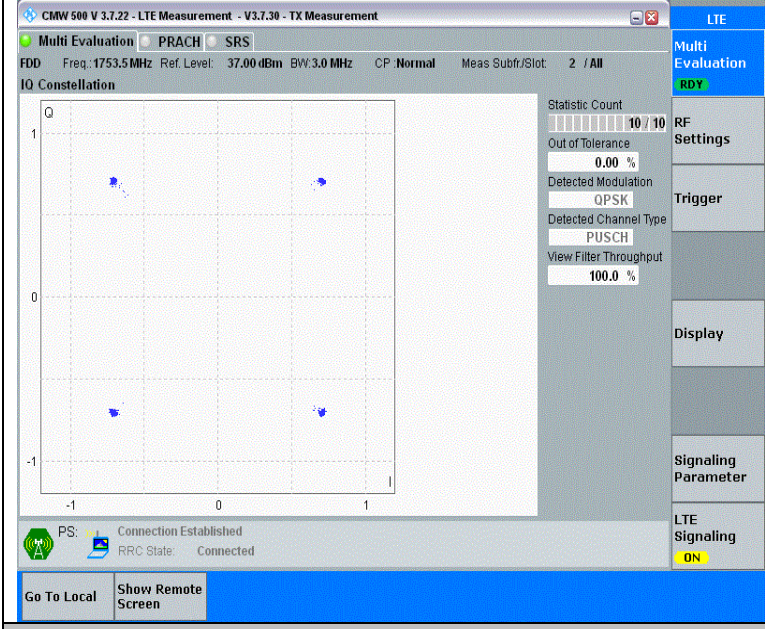
Band4-3MHz-16QAM-19965-15RB#0-PASS



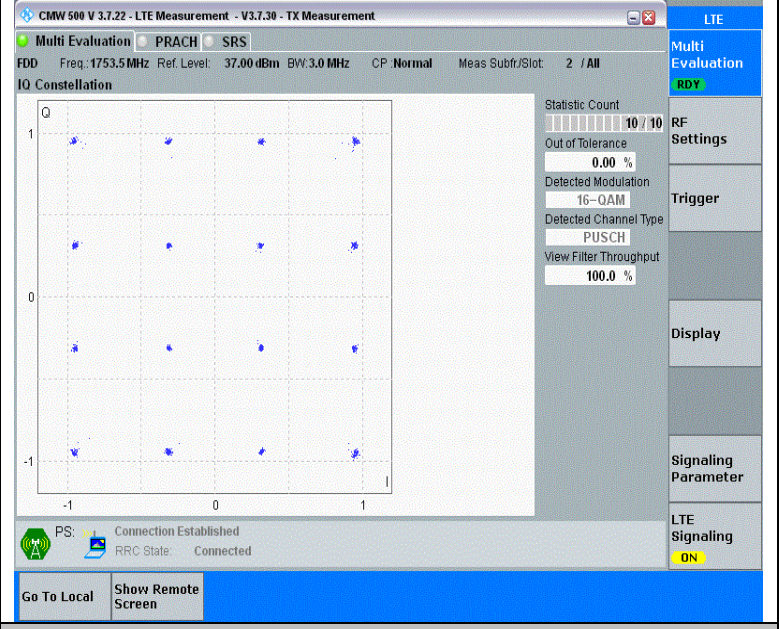
Band4-3MHz-QPSK-20175-15RB#0-PASS



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



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



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

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1712.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

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

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1712.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

Band4-5MHz-16QAM-19975-25RB#0-PASS

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1732.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

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

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1732.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IO



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

Band4-5MHz-16QAM-20175-25RB#0-PASS

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1752.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IQ



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

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

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1752.5 MHz Ref. Level: 37.00 dBm BW: 5.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IQ



RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

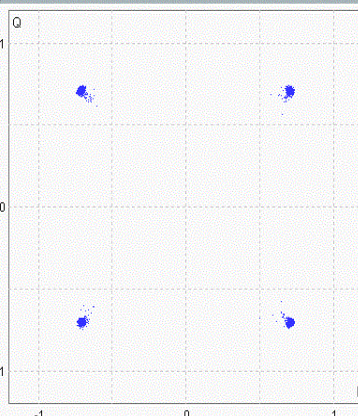
Band4-5MHz-16QAM-20375-25RB#0-PASS

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1715.0 MHz Ref. Level: 37.00 dBm BW: 10.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IQ Constellation



Statistic Count 10 / 10

Out of Tolerance 0.00 %

Detected Modulation QPSK

Detected Channel Type PUSCH

View Filter Throughput 100.0 %

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

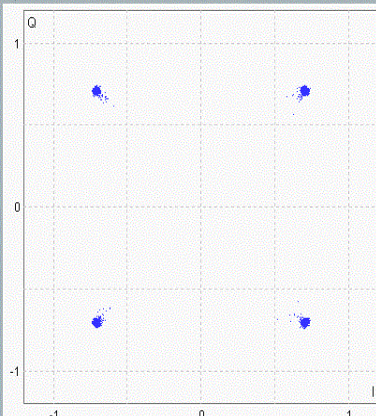
Band4-10MHz-QPSK-20000-50RB#0-PASS

CMW 500 V 3.7.22 - LTE Measurement - V3.7.30 - TX Measurement

Multi EvaluationPRACHSRS

FDD Freq: 1732.5 MHz Ref. Level: 37.00 dBm BW: 10.0 MHz CP: Normal Meas Subfr/Slot: 2 / All

IQ Constellation



Statistic Count 10 / 10

Out of Tolerance 0.00 %

Detected Modulation QPSK

Detected Channel Type PUSCH

View Filter Throughput 100.0 %

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling ON

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

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