

Frequency Stability-TH/VH

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	5.12	0.00205	±2.5	PASS	TH/VH
7	5.0	20775	2502.5	16QAM	25@0	2.88	0.00115	±2.5	PASS	TH/VH
7	5.0	20775	2502.5	64QAM	25@0	-0.83	-0.00033	±2.5	PASS	TH/VH
7	5.0	21100	2535.0	QPSK	25@0	-13.58	-0.00536	±2.5	PASS	TH/VH
7	5.0	21100	2535.0	16QAM	25@0	-27.18	-0.01072	±2.5	PASS	TH/VH
7	5.0	21100	2535.0	64QAM	25@0	-26.15	-0.01032	±2.5	PASS	TH/VH
7	5.0	21425	2567.5	QPSK	25@0	-23.49	-0.00915	±2.5	PASS	TH/VH
7	5.0	21425	2567.5	16QAM	25@0	-9.96	-0.00388	±2.5	PASS	TH/VH
7	5.0	21425	2567.5	64QAM	25@0	-12.02	-0.00468	±2.5	PASS	TH/VH
7	10.0	20800	2505.0	QPSK	50@0	-3.81	-0.00152	±2.5	PASS	TH/VH
7	10.0	20800	2505.0	16QAM	50@0	0.36	0.00014	±2.5	PASS	TH/VH
7	10.0	20800	2505.0	64QAM	50@0	1.09	0.00043	±2.5	PASS	TH/VH
7	10.0	21100	2535.0	QPSK	50@0	-5.05	-0.00199	±2.5	PASS	TH/VH
7	10.0	21100	2535.0	16QAM	50@0	0.26	0.0001	±2.5	PASS	TH/VH
7	10.0	21100	2535.0	64QAM	50@0	-14.19	-0.0056	±2.5	PASS	TH/VH
7	10.0	21400	2565.0	QPSK	50@0	-2.63	-0.00103	±2.5	PASS	TH/VH
7	10.0	21400	2565.0	16QAM	50@0	2.88	0.00112	±2.5	PASS	TH/VH
7	10.0	21400	2565.0	64QAM	50@0	3.09	0.0012	±2.5	PASS	TH/VH
7	15.0	20825	2507.5	QPSK	75@0	-6.02	-0.0024	±2.5	PASS	TH/VH
7	15.0	20825	2507.5	16QAM	75@0	6.21	0.00248	±2.5	PASS	TH/VH
7	15.0	20825	2507.5	64QAM	75@0	-13.88	-0.00553	±2.5	PASS	TH/VH
7	15.0	21100	2535.0	QPSK	75@0	-7.2	-0.00284	±2.5	PASS	TH/VH
7	15.0	21100	2535.0	16QAM	75@0	-11.17	-0.00441	±2.5	PASS	TH/VH
7	15.0	21100	2535.0	64QAM	75@0	-4.86	-0.00192	±2.5	PASS	TH/VH
7	15.0	21375	2562.5	QPSK	75@0	2.27	0.00089	±2.5	PASS	TH/VH
7	15.0	21375	2562.5	16QAM	75@0	7.47	0.00291	±2.5	PASS	TH/VH
7	15.0	21375	2562.5	64QAM	75@0	-27.37	-0.01068	±2.5	PASS	TH/VH
7	20.0	20850	2510.0	QPSK	100@0	-3.46	-0.00138	±2.5	PASS	TH/VH
7	20.0	20850	2510.0	16QAM	100@0	-9.0	-0.00358	±2.5	PASS	TH/VH
7	20.0	20850	2510.0	64QAM	100@0	-14.31	-0.0057	±2.5	PASS	TH/VH
7	20.0	21100	2535.0	QPSK	100@0	-1.12	-0.00044	±2.5	PASS	TH/VH
7	20.0	21100	2535.0	16QAM	100@0	-6.08	-0.0024	±2.5	PASS	TH/VH
7	20.0	21100	2535.0	64QAM	100@0	4.63	0.00183	±2.5	PASS	TH/VH
7	20.0	21350	2560.0	QPSK	100@0	-9.41	-0.00368	±2.5	PASS	TH/VH
7	20.0	21350	2560.0	16QAM	100@0	-1.9	-0.00074	±2.5	PASS	TH/VH
7	20.0	21350	2560.0	64QAM	100@0	4.62	0.0018	±2.5	PASS	TH/VH

Frequency Stability-TH/VL

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-1.49	-0.00059	±2.5	PASS	TH/VL
7	5.0	20775	2502.5	16QAM	25@0	-3.52	-0.00141	±2.5	PASS	TH/VL
7	5.0	20775	2502.5	64QAM	25@0	-11.72	-0.00468	±2.5	PASS	TH/VL
7	5.0	21100	2535.0	QPSK	25@0	-15.96	-0.0063	±2.5	PASS	TH/VL
7	5.0	21100	2535.0	16QAM	25@0	0.43	0.00017	±2.5	PASS	TH/VL
7	5.0	21100	2535.0	64QAM	25@0	3.08	0.00121	±2.5	PASS	TH/VL
7	5.0	21425	2567.5	QPSK	25@0	0.43	0.00017	±2.5	PASS	TH/VL
7	5.0	21425	2567.5	16QAM	25@0	4.13	0.00161	±2.5	PASS	TH/VL
7	5.0	21425	2567.5	64QAM	25@0	4.62	0.0018	±2.5	PASS	TH/VL
7	10.0	20800	2505.0	QPSK	50@0	-1.75	-0.0007	±2.5	PASS	TH/VL
7	10.0	20800	2505.0	16QAM	50@0	-6.11	-0.00244	±2.5	PASS	TH/VL
7	10.0	20800	2505.0	64QAM	50@0	-10.23	-0.00408	±2.5	PASS	TH/VL
7	10.0	21100	2535.0	QPSK	50@0	-5.19	-0.00205	±2.5	PASS	TH/VL
7	10.0	21100	2535.0	16QAM	50@0	0.32	0.00013	±2.5	PASS	TH/VL
7	10.0	21100	2535.0	64QAM	50@0	-3.23	-0.00128	±2.5	PASS	TH/VL
7	10.0	21400	2565.0	QPSK	50@0	-10.94	-0.00427	±2.5	PASS	TH/VL
7	10.0	21400	2565.0	16QAM	50@0	9.86	0.00384	±2.5	PASS	TH/VL
7	10.0	21400	2565.0	64QAM	50@0	-9.24	-0.0036	±2.5	PASS	TH/VL
7	15.0	20825	2507.5	QPSK	75@0	-0.79	-0.00031	±2.5	PASS	TH/VL
7	15.0	20825	2507.5	16QAM	75@0	-14.96	-0.00597	±2.5	PASS	TH/VL
7	15.0	20825	2507.5	64QAM	75@0	-18.17	-0.00725	±2.5	PASS	TH/VL
7	15.0	21100	2535.0	QPSK	75@0	-5.32	-0.0021	±2.5	PASS	TH/VL
7	15.0	21100	2535.0	16QAM	75@0	6.29	0.00248	±2.5	PASS	TH/VL
7	15.0	21100	2535.0	64QAM	75@0	-7.17	-0.00283	±2.5	PASS	TH/VL
7	15.0	21375	2562.5	QPSK	75@0	-3.42	-0.00133	±2.5	PASS	TH/VL
7	15.0	21375	2562.5	16QAM	75@0	-9.38	-0.00366	±2.5	PASS	TH/VL
7	15.0	21375	2562.5	64QAM	75@0	-9.24	-0.00361	±2.5	PASS	TH/VL
7	20.0	20850	2510.0	QPSK	100@0	7.91	0.00315	±2.5	PASS	TH/VL
7	20.0	20850	2510.0	16QAM	100@0	-14.61	-0.00582	±2.5	PASS	TH/VL
7	20.0	20850	2510.0	64QAM	100@0	-0.39	-0.00015	±2.5	PASS	TH/VL
7	20.0	21100	2535.0	QPSK	100@0	-1.9	-0.00075	±2.5	PASS	TH/VL
7	20.0	21100	2535.0	16QAM	100@0	-3.16	-0.00125	±2.5	PASS	TH/VL
7	20.0	21100	2535.0	64QAM	100@0	-12.73	-0.00502	±2.5	PASS	TH/VL
7	20.0	21350	2560.0	QPSK	100@0	-1.16	-0.00045	±2.5	PASS	TH/VL
7	20.0	21350	2560.0	16QAM	100@0	2.5	0.00098	±2.5	PASS	TH/VL
7	20.0	21350	2560.0	64QAM	100@0	-19.64	-0.00767	±2.5	PASS	TH/VL

Frequency Stability-TH/VN

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-13.22	-0.00528	±2.5	PASS	TH/VN
7	5.0	20775	2502.5	16QAM	25@0	-0.37	-0.00015	±2.5	PASS	TH/VN
7	5.0	20775	2502.5	64QAM	25@0	-20.14	-0.00805	±2.5	PASS	TH/VN
7	5.0	21100	2535.0	QPSK	25@0	-6.07	-0.00239	±2.5	PASS	TH/VN
7	5.0	21100	2535.0	16QAM	25@0	0.79	0.00031	±2.5	PASS	TH/VN
7	5.0	21100	2535.0	64QAM	25@0	-3.72	-0.00147	±2.5	PASS	TH/VN
7	5.0	21425	2567.5	QPSK	25@0	-19.8	-0.00771	±2.5	PASS	TH/VN
7	5.0	21425	2567.5	16QAM	25@0	-9.37	-0.00365	±2.5	PASS	TH/VN
7	5.0	21425	2567.5	64QAM	25@0	-1.79	-0.0007	±2.5	PASS	TH/VN
7	10.0	20800	2505.0	QPSK	50@0	-0.2	-8e-05	±2.5	PASS	TH/VN
7	10.0	20800	2505.0	16QAM	50@0	-11.32	-0.00452	±2.5	PASS	TH/VN
7	10.0	20800	2505.0	64QAM	50@0	-3.73	-0.00149	±2.5	PASS	TH/VN
7	10.0	21100	2535.0	QPSK	50@0	0.32	0.00013	±2.5	PASS	TH/VN
7	10.0	21100	2535.0	16QAM	50@0	-15.15	-0.00598	±2.5	PASS	TH/VN
7	10.0	21100	2535.0	64QAM	50@0	2.96	0.00117	±2.5	PASS	TH/VN
7	10.0	21400	2565.0	QPSK	50@0	0.32	0.00012	±2.5	PASS	TH/VN
7	10.0	21400	2565.0	16QAM	50@0	-4.31	-0.00168	±2.5	PASS	TH/VN
7	10.0	21400	2565.0	64QAM	50@0	-16.94	-0.0066	±2.5	PASS	TH/VN
7	15.0	20825	2507.5	QPSK	75@0	-1.34	-0.00054	±2.5	PASS	TH/VN
7	15.0	20825	2507.5	16QAM	75@0	6.39	0.00255	±2.5	PASS	TH/VN
7	15.0	20825	2507.5	64QAM	75@0	-4.12	-0.00164	±2.5	PASS	TH/VN
7	15.0	21100	2535.0	QPSK	75@0	-9.4	-0.00371	±2.5	PASS	TH/VN
7	15.0	21100	2535.0	16QAM	75@0	3.36	0.00133	±2.5	PASS	TH/VN
7	15.0	21100	2535.0	64QAM	75@0	-13.48	-0.00532	±2.5	PASS	TH/VN
7	15.0	21375	2562.5	QPSK	75@0	-2.92	-0.00114	±2.5	PASS	TH/VN
7	15.0	21375	2562.5	16QAM	75@0	-3.62	-0.00141	±2.5	PASS	TH/VN
7	15.0	21375	2562.5	64QAM	75@0	-15.16	-0.00592	±2.5	PASS	TH/VN
7	20.0	20850	2510.0	QPSK	100@0	-5.85	-0.00233	±2.5	PASS	TH/VN
7	20.0	20850	2510.0	16QAM	100@0	-0.33	-0.00013	±2.5	PASS	TH/VN
7	20.0	20850	2510.0	64QAM	100@0	-14.46	-0.00576	±2.5	PASS	TH/VN
7	20.0	21100	2535.0	QPSK	100@0	1.37	0.00054	±2.5	PASS	TH/VN
7	20.0	21100	2535.0	16QAM	100@0	-3.52	-0.00139	±2.5	PASS	TH/VN
7	20.0	21100	2535.0	64QAM	100@0	-4.49	-0.00177	±2.5	PASS	TH/VN
7	20.0	21350	2560.0	QPSK	100@0	1.39	0.00054	±2.5	PASS	TH/VN
7	20.0	21350	2560.0	16QAM	100@0	7.81	0.00305	±2.5	PASS	TH/VN
7	20.0	21350	2560.0	64QAM	100@0	8.98	0.00351	±2.5	PASS	TH/VN

Frequency Stability-TL/VH

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-4.55	-0.00182	±2.5	PASS	TL/VH
7	5.0	20775	2502.5	16QAM	25@0	-12.0	-0.0048	±2.5	PASS	TL/VH
7	5.0	20775	2502.5	64QAM	25@0	-10.21	-0.00408	±2.5	PASS	TL/VH
7	5.0	21100	2535.0	QPSK	25@0	-7.77	-0.00306	±2.5	PASS	TL/VH
7	5.0	21100	2535.0	16QAM	25@0	-15.12	-0.00596	±2.5	PASS	TL/VH
7	5.0	21100	2535.0	64QAM	25@0	2.6	0.00103	±2.5	PASS	TL/VH
7	5.0	21425	2567.5	QPSK	25@0	-16.22	-0.00632	±2.5	PASS	TL/VH
7	5.0	21425	2567.5	16QAM	25@0	3.55	0.00138	±2.5	PASS	TL/VH
7	5.0	21425	2567.5	64QAM	25@0	-18.7	-0.00728	±2.5	PASS	TL/VH
7	10.0	20800	2505.0	QPSK	50@0	-8.24	-0.00329	±2.5	PASS	TL/VH
7	10.0	20800	2505.0	16QAM	50@0	-12.85	-0.00513	±2.5	PASS	TL/VH
7	10.0	20800	2505.0	64QAM	50@0	3.46	0.00138	±2.5	PASS	TL/VH
7	10.0	21100	2535.0	QPSK	50@0	-13.69	-0.0054	±2.5	PASS	TL/VH
7	10.0	21100	2535.0	16QAM	50@0	-11.73	-0.00463	±2.5	PASS	TL/VH
7	10.0	21100	2535.0	64QAM	50@0	1.14	0.00045	±2.5	PASS	TL/VH
7	10.0	21400	2565.0	QPSK	50@0	2.53	0.00099	±2.5	PASS	TL/VH
7	10.0	21400	2565.0	16QAM	50@0	3.46	0.00135	±2.5	PASS	TL/VH
7	10.0	21400	2565.0	64QAM	50@0	-11.92	-0.00465	±2.5	PASS	TL/VH
7	15.0	20825	2507.5	QPSK	75@0	2.55	0.00102	±2.5	PASS	TL/VH
7	15.0	20825	2507.5	16QAM	75@0	-6.81	-0.00272	±2.5	PASS	TL/VH
7	15.0	20825	2507.5	64QAM	75@0	-10.93	-0.00436	±2.5	PASS	TL/VH
7	15.0	21100	2535.0	QPSK	75@0	0.44	0.00017	±2.5	PASS	TL/VH
7	15.0	21100	2535.0	16QAM	75@0	19.58	0.00773	±2.5	PASS	TL/VH
7	15.0	21100	2535.0	64QAM	75@0	-8.54	-0.00337	±2.5	PASS	TL/VH
7	15.0	21375	2562.5	QPSK	75@0	-8.2	-0.0032	±2.5	PASS	TL/VH
7	15.0	21375	2562.5	16QAM	75@0	-1.82	-0.00071	±2.5	PASS	TL/VH
7	15.0	21375	2562.5	64QAM	75@0	-10.86	-0.00424	±2.5	PASS	TL/VH
7	20.0	20850	2510.0	QPSK	100@0	-7.75	-0.00309	±2.5	PASS	TL/VH
7	20.0	20850	2510.0	16QAM	100@0	10.43	0.00415	±2.5	PASS	TL/VH
7	20.0	20850	2510.0	64QAM	100@0	-10.56	-0.00421	±2.5	PASS	TL/VH
7	20.0	21100	2535.0	QPSK	100@0	-10.93	-0.00431	±2.5	PASS	TL/VH
7	20.0	21100	2535.0	16QAM	100@0	-10.06	-0.00397	±2.5	PASS	TL/VH
7	20.0	21100	2535.0	64QAM	100@0	-16.05	-0.00633	±2.5	PASS	TL/VH
7	20.0	21350	2560.0	QPSK	100@0	5.14	0.00201	±2.5	PASS	TL/VH
7	20.0	21350	2560.0	16QAM	100@0	-8.03	-0.00313	±2.5	PASS	TL/VH
7	20.0	21350	2560.0	64QAM	100@0	-5.28	-0.00206	±2.5	PASS	TL/VH

Frequency Stability-TL/VL

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-1.69	-0.00067	±2.5	PASS	TL/VL
7	5.0	20775	2502.5	16QAM	25@0	0.83	0.00033	±2.5	PASS	TL/VL
7	5.0	20775	2502.5	64QAM	25@0	-18.5	-0.00739	±2.5	PASS	TL/VL
7	5.0	21100	2535.0	QPSK	25@0	-18.17	-0.00717	±2.5	PASS	TL/VL
7	5.0	21100	2535.0	16QAM	25@0	-1.6	-0.00063	±2.5	PASS	TL/VL
7	5.0	21100	2535.0	64QAM	25@0	-8.45	-0.00334	±2.5	PASS	TL/VL
7	5.0	21425	2567.5	QPSK	25@0	-20.73	-0.00807	±2.5	PASS	TL/VL
7	5.0	21425	2567.5	16QAM	25@0	2.6	0.00101	±2.5	PASS	TL/VL
7	5.0	21425	2567.5	64QAM	25@0	-1.59	-0.00062	±2.5	PASS	TL/VL
7	10.0	20800	2505.0	QPSK	50@0	-3.16	-0.00126	±2.5	PASS	TL/VL
7	10.0	20800	2505.0	16QAM	50@0	-12.36	-0.00493	±2.5	PASS	TL/VL
7	10.0	20800	2505.0	64QAM	50@0	-23.1	-0.00922	±2.5	PASS	TL/VL
7	10.0	21100	2535.0	QPSK	50@0	-8.94	-0.00353	±2.5	PASS	TL/VL
7	10.0	21100	2535.0	16QAM	50@0	-6.41	-0.00253	±2.5	PASS	TL/VL
7	10.0	21100	2535.0	64QAM	50@0	-11.5	-0.00454	±2.5	PASS	TL/VL
7	10.0	21400	2565.0	QPSK	50@0	-10.63	-0.00414	±2.5	PASS	TL/VL
7	10.0	21400	2565.0	16QAM	50@0	2.13	0.00083	±2.5	PASS	TL/VL
7	10.0	21400	2565.0	64QAM	50@0	-3.08	-0.0012	±2.5	PASS	TL/VL
7	15.0	20825	2507.5	QPSK	75@0	5.51	0.0022	±2.5	PASS	TL/VL
7	15.0	20825	2507.5	16QAM	75@0	11.1	0.00443	±2.5	PASS	TL/VL
7	15.0	20825	2507.5	64QAM	75@0	-7.27	-0.0029	±2.5	PASS	TL/VL
7	15.0	21100	2535.0	QPSK	75@0	-7.34	-0.00289	±2.5	PASS	TL/VL
7	15.0	21100	2535.0	16QAM	75@0	-5.88	-0.00232	±2.5	PASS	TL/VL
7	15.0	21100	2535.0	64QAM	75@0	-7.35	-0.0029	±2.5	PASS	TL/VL
7	15.0	21375	2562.5	QPSK	75@0	-2.15	-0.00084	±2.5	PASS	TL/VL
7	15.0	21375	2562.5	16QAM	75@0	3.89	0.00152	±2.5	PASS	TL/VL
7	15.0	21375	2562.5	64QAM	75@0	-4.31	-0.00168	±2.5	PASS	TL/VL
7	20.0	20850	2510.0	QPSK	100@0	-10.7	-0.00426	±2.5	PASS	TL/VL
7	20.0	20850	2510.0	16QAM	100@0	3.81	0.00152	±2.5	PASS	TL/VL
7	20.0	20850	2510.0	64QAM	100@0	-5.68	-0.00226	±2.5	PASS	TL/VL
7	20.0	21100	2535.0	QPSK	100@0	-4.78	-0.00188	±2.5	PASS	TL/VL
7	20.0	21100	2535.0	16QAM	100@0	4.35	0.00172	±2.5	PASS	TL/VL
7	20.0	21100	2535.0	64QAM	100@0	-1.39	-0.00055	±2.5	PASS	TL/VL
7	20.0	21350	2560.0	QPSK	100@0	0.32	0.00013	±2.5	PASS	TL/VL
7	20.0	21350	2560.0	16QAM	100@0	20.76	0.00811	±2.5	PASS	TL/VL
7	20.0	21350	2560.0	64QAM	100@0	-0.23	-9e-05	±2.5	PASS	TL/VL

Frequency Stability-TL/VN

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-13.32	-0.00532	±2.5	PASS	TL/VN
7	5.0	20775	2502.5	16QAM	25@0	-11.01	-0.0044	±2.5	PASS	TL/VN
7	5.0	20775	2502.5	64QAM	25@0	-7.8	-0.00312	±2.5	PASS	TL/VN
7	5.0	21100	2535.0	QPSK	25@0	-5.16	-0.00204	±2.5	PASS	TL/VN
7	5.0	21100	2535.0	16QAM	25@0	-8.91	-0.00352	±2.5	PASS	TL/VN
7	5.0	21100	2535.0	64QAM	25@0	5.38	0.00212	±2.5	PASS	TL/VN
7	5.0	21425	2567.5	QPSK	25@0	-1.76	-0.00069	±2.5	PASS	TL/VN
7	5.0	21425	2567.5	16QAM	25@0	-10.51	-0.0041	±2.5	PASS	TL/VN
7	5.0	21425	2567.5	64QAM	25@0	-2.52	-0.00098	±2.5	PASS	TL/VN
7	10.0	20800	2505.0	QPSK	50@0	-14.06	-0.00561	±2.5	PASS	TL/VN
7	10.0	20800	2505.0	16QAM	50@0	-3.85	-0.00154	±2.5	PASS	TL/VN
7	10.0	20800	2505.0	64QAM	50@0	-2.35	-0.00094	±2.5	PASS	TL/VN
7	10.0	21100	2535.0	QPSK	50@0	-5.71	-0.00225	±2.5	PASS	TL/VN
7	10.0	21100	2535.0	16QAM	50@0	-2.39	-0.00094	±2.5	PASS	TL/VN
7	10.0	21100	2535.0	64QAM	50@0	-2.53	-0.001	±2.5	PASS	TL/VN
7	10.0	21400	2565.0	QPSK	50@0	-7.48	-0.00292	±2.5	PASS	TL/VN
7	10.0	21400	2565.0	16QAM	50@0	-4.72	-0.00184	±2.5	PASS	TL/VN
7	10.0	21400	2565.0	64QAM	50@0	-10.47	-0.00408	±2.5	PASS	TL/VN
7	15.0	20825	2507.5	QPSK	75@0	-12.47	-0.00497	±2.5	PASS	TL/VN
7	15.0	20825	2507.5	16QAM	75@0	-3.56	-0.00142	±2.5	PASS	TL/VN
7	15.0	20825	2507.5	64QAM	75@0	12.9	0.00515	±2.5	PASS	TL/VN
7	15.0	21100	2535.0	QPSK	75@0	-13.32	-0.00525	±2.5	PASS	TL/VN
7	15.0	21100	2535.0	16QAM	75@0	-4.15	-0.00164	±2.5	PASS	TL/VN
7	15.0	21100	2535.0	64QAM	75@0	-20.7	-0.00817	±2.5	PASS	TL/VN
7	15.0	21375	2562.5	QPSK	75@0	-7.41	-0.00289	±2.5	PASS	TL/VN
7	15.0	21375	2562.5	16QAM	75@0	5.05	0.00197	±2.5	PASS	TL/VN
7	15.0	21375	2562.5	64QAM	75@0	7.1	0.00277	±2.5	PASS	TL/VN
7	20.0	20850	2510.0	QPSK	100@0	-2.19	-0.00087	±2.5	PASS	TL/VN
7	20.0	20850	2510.0	16QAM	100@0	1.66	0.00066	±2.5	PASS	TL/VN
7	20.0	20850	2510.0	64QAM	100@0	-9.73	-0.00388	±2.5	PASS	TL/VN
7	20.0	21100	2535.0	QPSK	100@0	1.44	0.00057	±2.5	PASS	TL/VN
7	20.0	21100	2535.0	16QAM	100@0	-9.44	-0.00372	±2.5	PASS	TL/VN
7	20.0	21100	2535.0	64QAM	100@0	-4.75	-0.00187	±2.5	PASS	TL/VN
7	20.0	21350	2560.0	QPSK	100@0	-17.51	-0.00684	±2.5	PASS	TL/VN
7	20.0	21350	2560.0	16QAM	100@0	-9.74	-0.00381	±2.5	PASS	TL/VN
7	20.0	21350	2560.0	64QAM	100@0	-14.73	-0.00576	±2.5	PASS	TL/VN

Frequency Stability-TN/VH

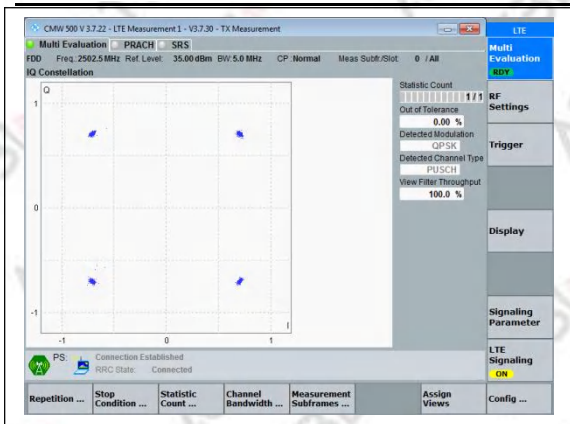
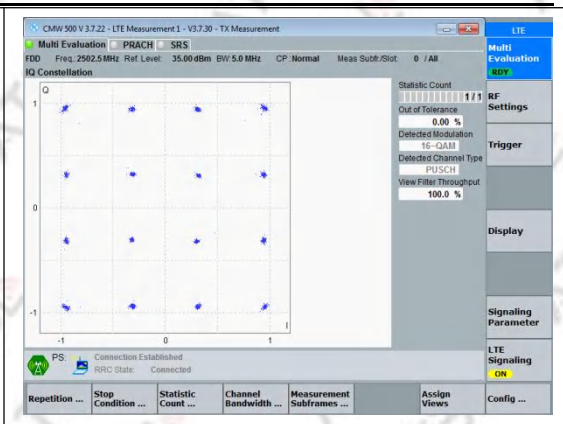
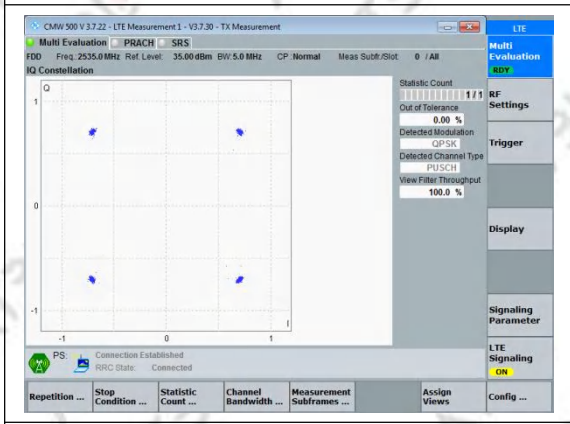
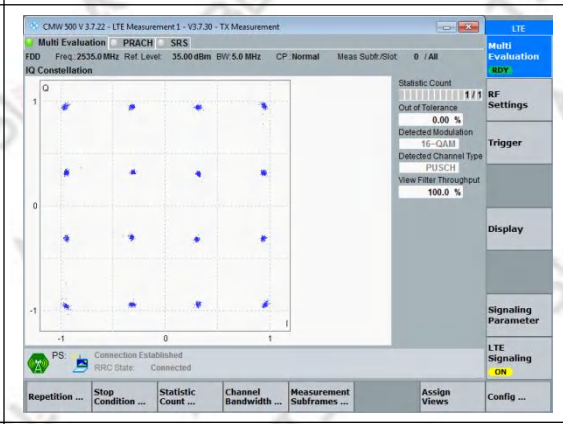
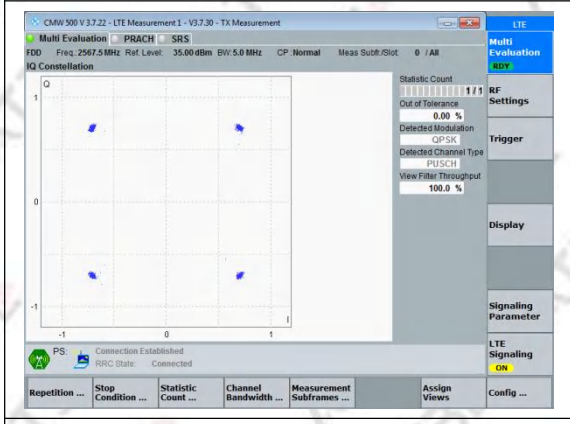
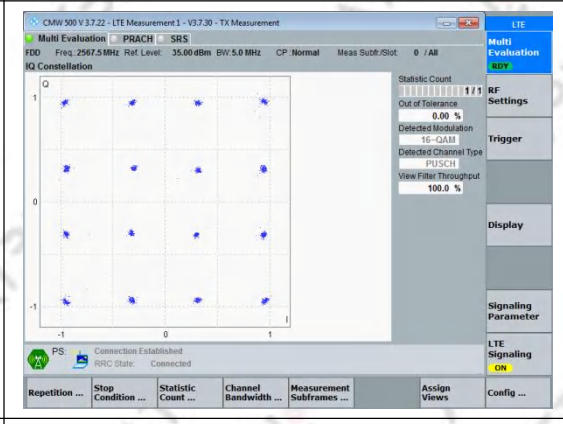
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	-20.43	-0.00816	±2.5	PASS	TN/VH
7	5.0	20775	2502.5	16QAM	25@0	-4.55	-0.00182	±2.5	PASS	TN/VH
7	5.0	20775	2502.5	64QAM	25@0	-5.31	-0.00212	±2.5	PASS	TN/VH
7	5.0	21100	2535.0	QPSK	25@0	-8.1	-0.00319	±2.5	PASS	TN/VH
7	5.0	21100	2535.0	16QAM	25@0	5.64	0.00222	±2.5	PASS	TN/VH
7	5.0	21100	2535.0	64QAM	25@0	6.64	0.00262	±2.5	PASS	TN/VH
7	5.0	21425	2567.5	QPSK	25@0	-3.71	-0.00144	±2.5	PASS	TN/VH
7	5.0	21425	2567.5	16QAM	25@0	4.08	0.00159	±2.5	PASS	TN/VH
7	5.0	21425	2567.5	64QAM	25@0	-9.6	-0.00374	±2.5	PASS	TN/VH
7	10.0	20800	2505.0	QPSK	50@0	-2.12	-0.00085	±2.5	PASS	TN/VH
7	10.0	20800	2505.0	16QAM	50@0	1.12	0.00045	±2.5	PASS	TN/VH
7	10.0	20800	2505.0	64QAM	50@0	-8.27	-0.0033	±2.5	PASS	TN/VH
7	10.0	21100	2535.0	QPSK	50@0	-10.44	-0.00412	±2.5	PASS	TN/VH
7	10.0	21100	2535.0	16QAM	50@0	2.3	0.00091	±2.5	PASS	TN/VH
7	10.0	21100	2535.0	64QAM	50@0	-3.2	-0.00126	±2.5	PASS	TN/VH
7	10.0	21400	2565.0	QPSK	50@0	0.93	0.00036	±2.5	PASS	TN/VH
7	10.0	21400	2565.0	16QAM	50@0	-5.52	-0.00215	±2.5	PASS	TN/VH
7	10.0	21400	2565.0	64QAM	50@0	7.9	0.00308	±2.5	PASS	TN/VH
7	15.0	20825	2507.5	QPSK	75@0	-13.52	-0.00539	±2.5	PASS	TN/VH
7	15.0	20825	2507.5	16QAM	75@0	-4.59	-0.00183	±2.5	PASS	TN/VH
7	15.0	20825	2507.5	64QAM	75@0	-2.3	-0.00092	±2.5	PASS	TN/VH
7	15.0	21100	2535.0	QPSK	75@0	-3.16	-0.00125	±2.5	PASS	TN/VH
7	15.0	21100	2535.0	16QAM	75@0	-10.69	-0.00422	±2.5	PASS	TN/VH
7	15.0	21100	2535.0	64QAM	75@0	-5.26	-0.00208	±2.5	PASS	TN/VH
7	15.0	21375	2562.5	QPSK	75@0	-4.23	-0.00165	±2.5	PASS	TN/VH
7	15.0	21375	2562.5	16QAM	75@0	5.48	0.00214	±2.5	PASS	TN/VH
7	15.0	21375	2562.5	64QAM	75@0	-14.72	-0.00574	±2.5	PASS	TN/VH
7	20.0	20850	2510.0	QPSK	100@0	0.47	0.00019	±2.5	PASS	TN/VH
7	20.0	20850	2510.0	16QAM	100@0	-4.41	-0.00176	±2.5	PASS	TN/VH
7	20.0	20850	2510.0	64QAM	100@0	-0.8	-0.00032	±2.5	PASS	TN/VH
7	20.0	21100	2535.0	QPSK	100@0	-0.94	-0.00037	±2.5	PASS	TN/VH
7	20.0	21100	2535.0	16QAM	100@0	0.69	0.00027	±2.5	PASS	TN/VH
7	20.0	21100	2535.0	64QAM	100@0	-1.03	-0.00041	±2.5	PASS	TN/VH
7	20.0	21350	2560.0	QPSK	100@0	-5.97	-0.00233	±2.5	PASS	TN/VH
7	20.0	21350	2560.0	16QAM	100@0	4.48	0.00175	±2.5	PASS	TN/VH
7	20.0	21350	2560.0	64QAM	100@0	-5.31	-0.00207	±2.5	PASS	TN/VH

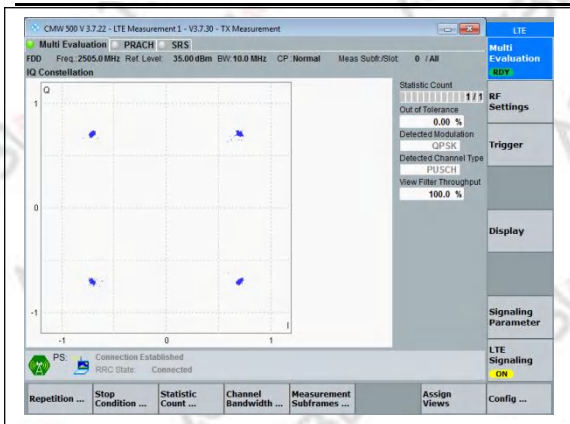
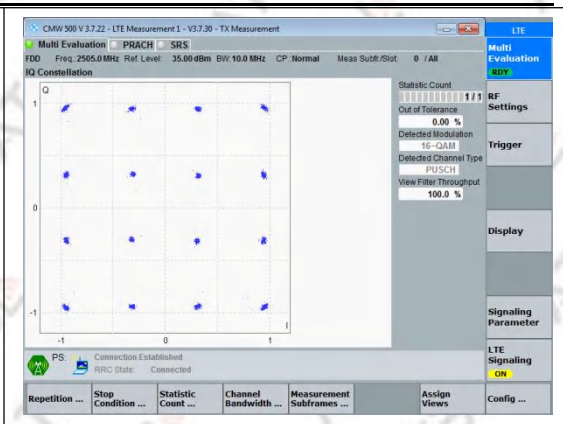
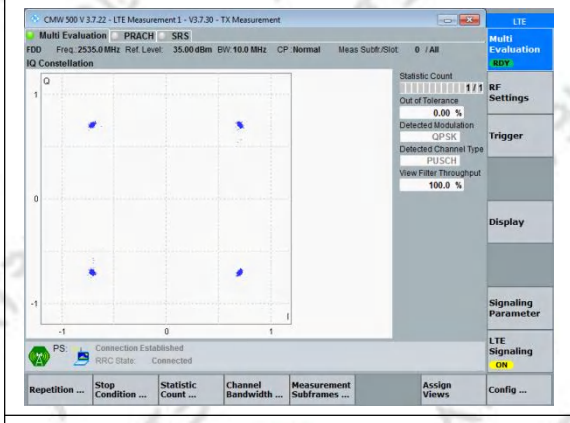
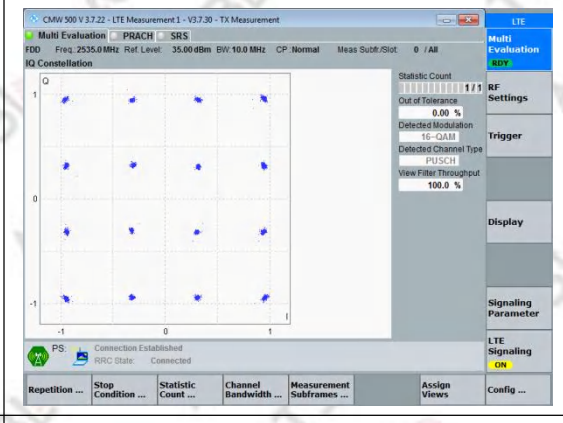
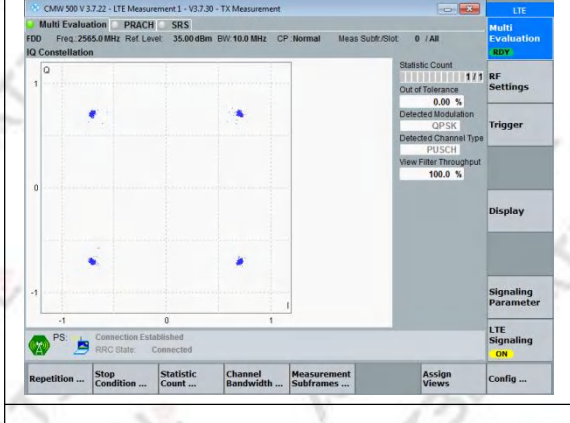
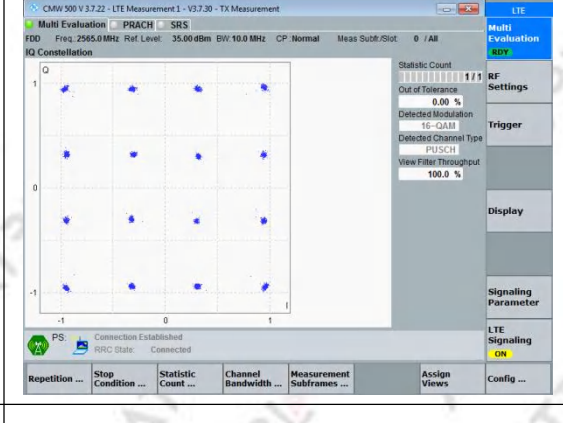
Frequency Stability-TN/VL

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	20775	2502.5	QPSK	25@0	3.78	0.00151	±2.5	PASS	TN/VL
7	5.0	20775	2502.5	16QAM	25@0	-8.5	-0.0034	±2.5	PASS	TN/VL
7	5.0	20775	2502.5	64QAM	25@0	-28.92	-0.01156	±2.5	PASS	TN/VL
7	5.0	21100	2535.0	QPSK	25@0	-6.69	-0.00264	±2.5	PASS	TN/VL
7	5.0	21100	2535.0	16QAM	25@0	6.32	0.00249	±2.5	PASS	TN/VL
7	5.0	21100	2535.0	64QAM	25@0	-6.58	-0.0026	±2.5	PASS	TN/VL
7	5.0	21425	2567.5	QPSK	25@0	0.43	0.00017	±2.5	PASS	TN/VL
7	5.0	21425	2567.5	16QAM	25@0	3.42	0.00133	±2.5	PASS	TN/VL
7	5.0	21425	2567.5	64QAM	25@0	-4.86	-0.00189	±2.5	PASS	TN/VL
7	10.0	20800	2505.0	QPSK	50@0	3.23	0.00129	±2.5	PASS	TN/VL
7	10.0	20800	2505.0	16QAM	50@0	-6.74	-0.00269	±2.5	PASS	TN/VL
7	10.0	20800	2505.0	64QAM	50@0	-6.92	-0.00276	±2.5	PASS	TN/VL
7	10.0	21100	2535.0	QPSK	50@0	-4.31	-0.0017	±2.5	PASS	TN/VL
7	10.0	21100	2535.0	16QAM	50@0	-0.67	-0.00027	±2.5	PASS	TN/VL
7	10.0	21100	2535.0	64QAM	50@0	-4.51	-0.00178	±2.5	PASS	TN/VL
7	10.0	21400	2565.0	QPSK	50@0	0.32	0.00012	±2.5	PASS	TN/VL
7	10.0	21400	2565.0	16QAM	50@0	-2.59	-0.00101	±2.5	PASS	TN/VL
7	10.0	21400	2565.0	64QAM	50@0	3.66	0.00143	±2.5	PASS	TN/VL
7	15.0	20825	2507.5	QPSK	75@0	-9.26	-0.00369	±2.5	PASS	TN/VL
7	15.0	20825	2507.5	16QAM	75@0	-5.56	-0.00222	±2.5	PASS	TN/VL
7	15.0	20825	2507.5	64QAM	75@0	-2.62	-0.00104	±2.5	PASS	TN/VL
7	15.0	21100	2535.0	QPSK	75@0	-9.11	-0.00359	±2.5	PASS	TN/VL
7	15.0	21100	2535.0	16QAM	75@0	6.79	0.00268	±2.5	PASS	TN/VL
7	15.0	21100	2535.0	64QAM	75@0	-16.88	-0.00666	±2.5	PASS	TN/VL
7	15.0	21375	2562.5	QPSK	75@0	-3.55	-0.00138	±2.5	PASS	TN/VL
7	15.0	21375	2562.5	16QAM	75@0	-4.18	-0.00163	±2.5	PASS	TN/VL
7	15.0	21375	2562.5	64QAM	75@0	-16.37	-0.00639	±2.5	PASS	TN/VL
7	20.0	20850	2510.0	QPSK	100@0	-9.54	-0.0038	±2.5	PASS	TN/VL
7	20.0	20850	2510.0	16QAM	100@0	2.46	0.00098	±2.5	PASS	TN/VL
7	20.0	20850	2510.0	64QAM	100@0	-10.36	-0.00413	±2.5	PASS	TN/VL
7	20.0	21100	2535.0	QPSK	100@0	-15.48	-0.00611	±2.5	PASS	TN/VL
7	20.0	21100	2535.0	16QAM	100@0	4.28	0.00169	±2.5	PASS	TN/VL
7	20.0	21100	2535.0	64QAM	100@0	-0.49	-0.00019	±2.5	PASS	TN/VL
7	20.0	21350	2560.0	QPSK	100@0	-9.87	-0.00386	±2.5	PASS	TN/VL
7	20.0	21350	2560.0	16QAM	100@0	4.33	0.00169	±2.5	PASS	TN/VL
7	20.0	21350	2560.0	64QAM	100@0	-16.71	-0.00653	±2.5	PASS	TN/VL

H7.Modulation Characteristics

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
7	5.0	20775	2502.5	QPSK	25@0	PASS
7	5.0	20775	2502.5	16QAM	25@0	PASS
7	5.0	21100	2535.0	QPSK	25@0	PASS
7	5.0	21100	2535.0	16QAM	25@0	PASS
7	5.0	21425	2567.5	QPSK	25@0	PASS
7	5.0	21425	2567.5	16QAM	25@0	PASS
7	10.0	20800	2505.0	QPSK	50@0	PASS
7	10.0	20800	2505.0	16QAM	50@0	PASS
7	10.0	21100	2535.0	QPSK	50@0	PASS
7	10.0	21100	2535.0	16QAM	50@0	PASS
7	10.0	21400	2565.0	QPSK	50@0	PASS
7	10.0	21400	2565.0	16QAM	50@0	PASS
7	15.0	20825	2507.5	QPSK	75@0	PASS
7	15.0	20825	2507.5	16QAM	75@0	PASS
7	15.0	21100	2535.0	QPSK	75@0	PASS
7	15.0	21100	2535.0	16QAM	75@0	PASS
7	15.0	21375	2562.5	QPSK	75@0	PASS
7	15.0	21375	2562.5	16QAM	75@0	PASS
7	20.0	20850	2510.0	QPSK	100@0	PASS
7	20.0	20850	2510.0	16QAM	100@0	PASS
7	20.0	21100	2535.0	QPSK	100@0	PASS
7	20.0	21100	2535.0	16QAM	100@0	PASS
7	20.0	21350	2560.0	QPSK	100@0	PASS
7	20.0	21350	2560.0	16QAM	100@0	PASS

	
Band 7 5MHz/2502.5/Low QPSK 25@0	Band 7 5MHz/2502.5/Low 16QAM 25@0
	
Band 7 5MHz/2535.0/Mid QPSK 25@0	Band 7 5MHz/2535.0/Mid 16QAM 25@0
	
Band 7 5MHz/2567.5/High QPSK 25@0	Band 7 5MHz/2567.5/High 16QAM 25@0

	
Band 7 10MHz/2505.0/Low QPSK 50@0	Band 7 10MHz/2505.0/Low 16QAM 50@0
	
Band 7 10MHz/2535.0/Mid QPSK 50@0	Band 7 10MHz/2535.0/Mid 16QAM 50@0
	
Band 7 10MHz/2565.0/High QPSK 50@0	Band 7 10MHz/2565.0/High 16QAM 50@0



