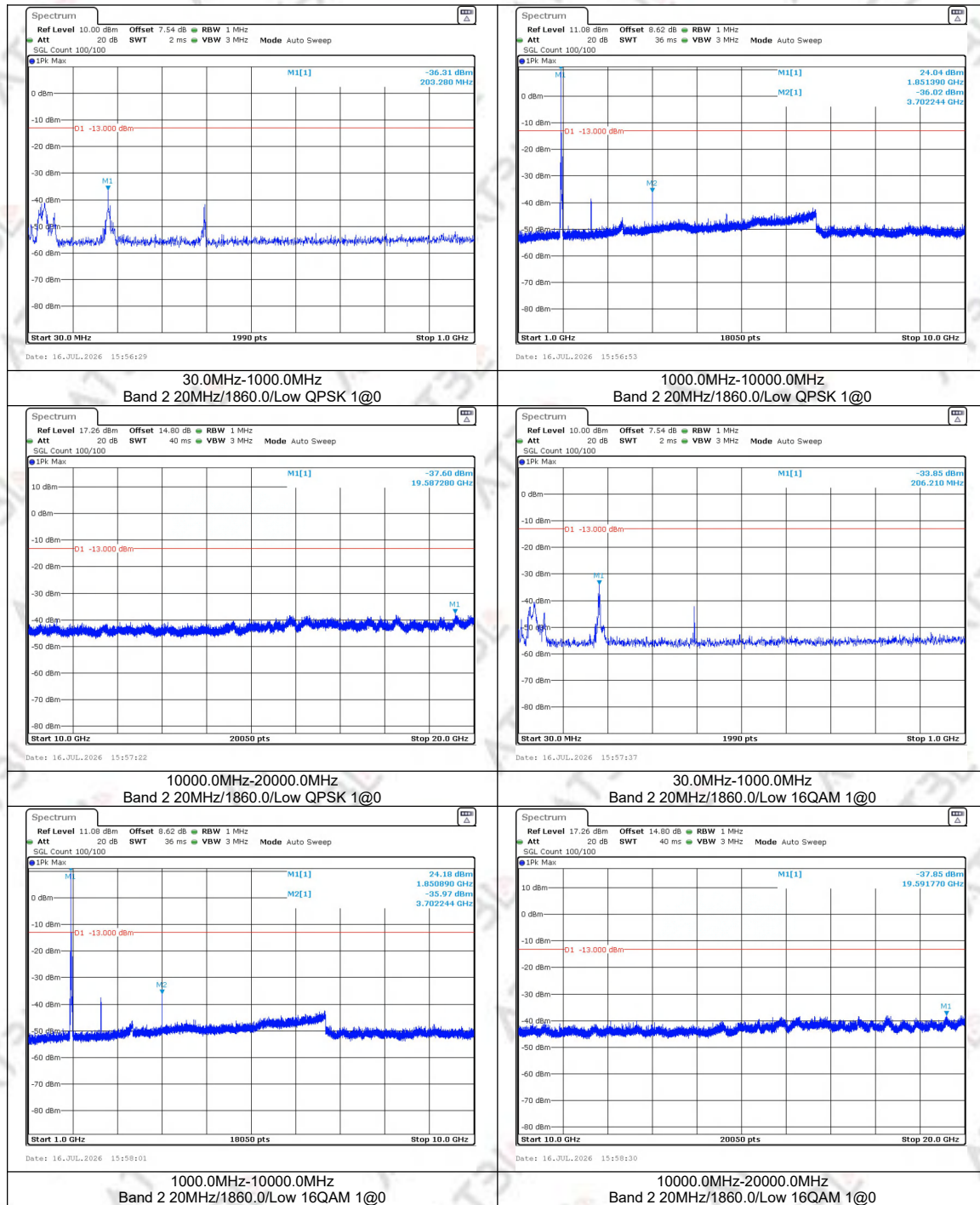
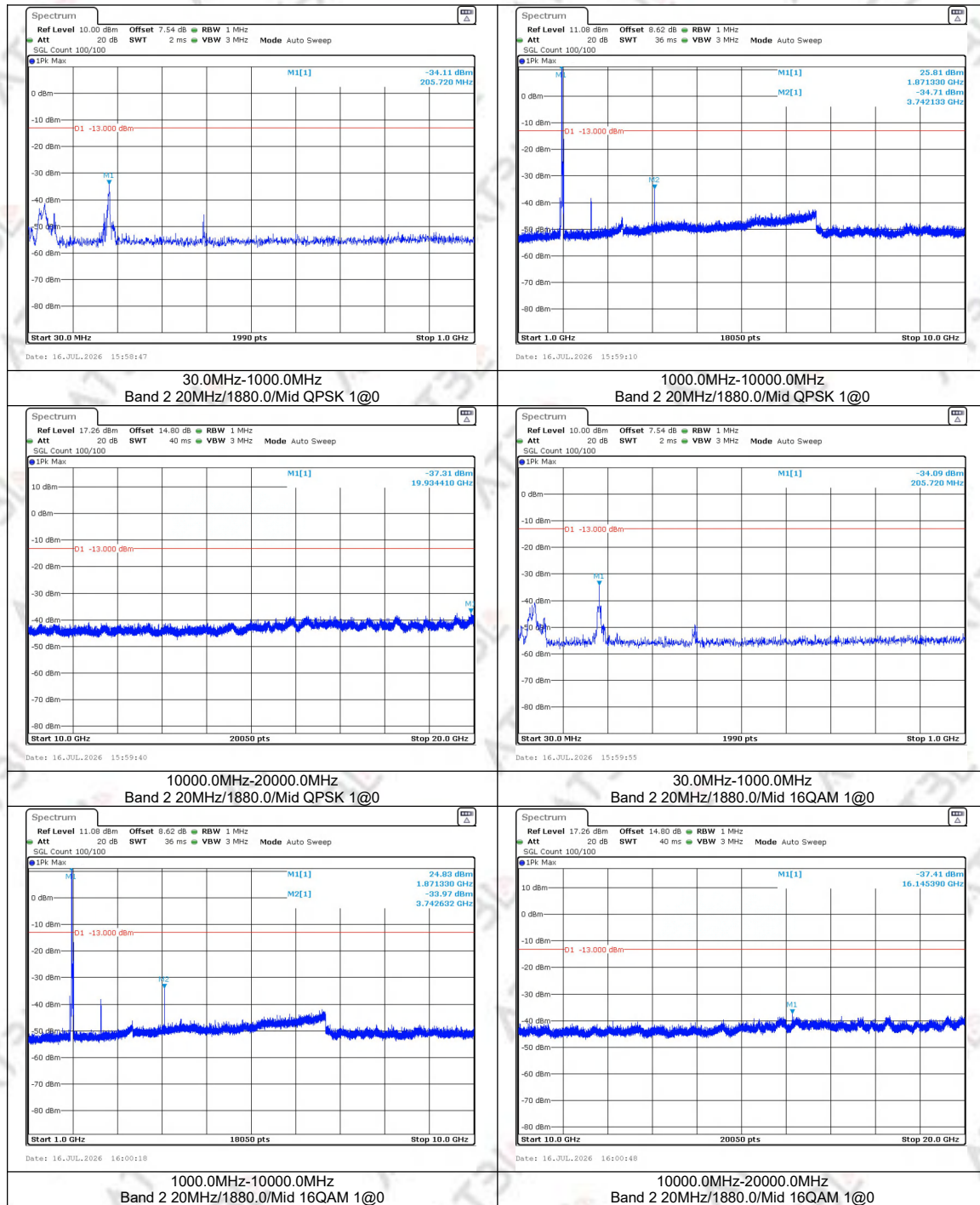
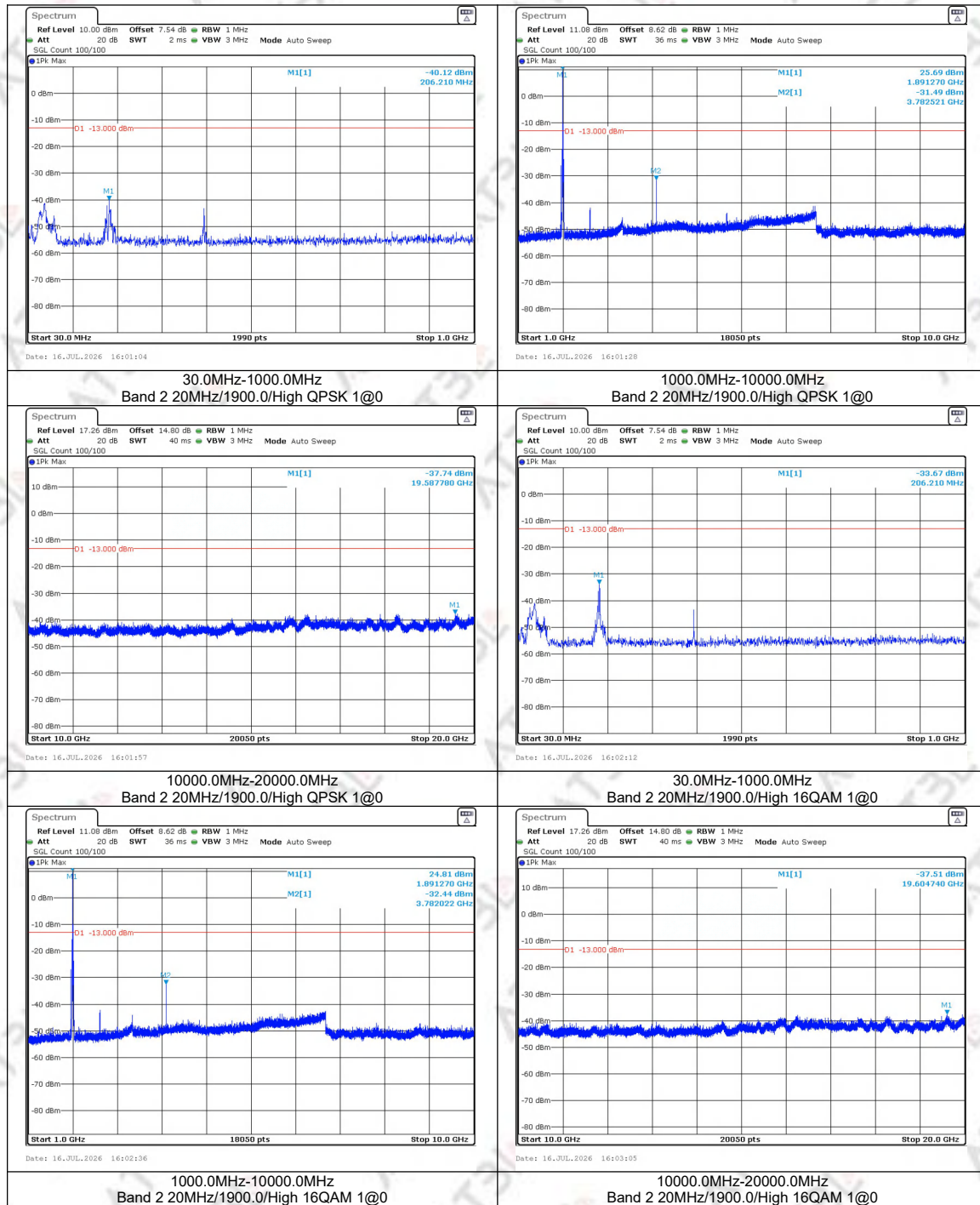








6.Frequency Stability-TH/TH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-2.02	-0.00109	±2.5	PASS	TH/VH
2	1.4	18607	1850.7	16QAM	6@0	-10.4	-0.00562	±2.5	PASS	TH/VH
2	1.4	18900	1880.0	QPSK	6@0	1.83	0.00097	±2.5	PASS	TH/VH
2	1.4	18900	1880.0	16QAM	6@0	-5.71	-0.00304	±2.5	PASS	TH/VH
2	1.4	19193	1909.3	QPSK	6@0	-9.7	-0.00508	±2.5	PASS	TH/VH
2	1.4	19193	1909.3	16QAM	6@0	-9.04	-0.00474	±2.5	PASS	TH/VH
2	3.0	18615	1851.5	QPSK	15@0	-6.27	-0.00338	±2.5	PASS	TH/VH
2	3.0	18615	1851.5	16QAM	15@0	-10.4	-0.00562	±2.5	PASS	TH/VH
2	3.0	18900	1880.0	QPSK	15@0	-1.02	-0.00054	±2.5	PASS	TH/VH
2	3.0	18900	1880.0	16QAM	15@0	-7.98	-0.00425	±2.5	PASS	TH/VH
2	3.0	19185	1908.5	QPSK	15@0	0.63	0.00033	±2.5	PASS	TH/VH
2	3.0	19185	1908.5	16QAM	15@0	-7.52	-0.00394	±2.5	PASS	TH/VH
2	5.0	18625	1852.5	QPSK	25@0	-4.03	-0.00218	±2.5	PASS	TH/VH
2	5.0	18625	1852.5	16QAM	25@0	-7.27	-0.00392	±2.5	PASS	TH/VH
2	5.0	18900	1880.0	QPSK	25@0	2.22	0.00118	±2.5	PASS	TH/VH
2	5.0	18900	1880.0	16QAM	25@0	-2.89	-0.00154	±2.5	PASS	TH/VH
2	5.0	19175	1907.5	QPSK	25@0	29.04	0.01522	±2.5	PASS	TH/VH
2	5.0	19175	1907.5	16QAM	25@0	5.89	0.00309	±2.5	PASS	TH/VH
2	10.0	18650	1855.0	QPSK	50@0	-2.72	-0.00147	±2.5	PASS	TH/VH
2	10.0	18650	1855.0	16QAM	50@0	-3.45	-0.00186	±2.5	PASS	TH/VH
2	10.0	18900	1880.0	QPSK	50@0	-5.26	-0.0028	±2.5	PASS	TH/VH
2	10.0	18900	1880.0	16QAM	50@0	-8.14	-0.00433	±2.5	PASS	TH/VH
2	10.0	19150	1905.0	QPSK	50@0	-6.42	-0.00337	±2.5	PASS	TH/VH
2	10.0	19150	1905.0	16QAM	50@0	-6.01	-0.00315	±2.5	PASS	TH/VH
2	15.0	18675	1857.5	QPSK	75@0	-3.23	-0.00174	±2.5	PASS	TH/VH
2	15.0	18675	1857.5	16QAM	75@0	-3.49	-0.00188	±2.5	PASS	TH/VH
2	15.0	18900	1880.0	QPSK	75@0	-7.5	-0.00399	±2.5	PASS	TH/VH
2	15.0	18900	1880.0	16QAM	75@0	-3.43	-0.00183	±2.5	PASS	TH/VH
2	15.0	19125	1902.5	QPSK	75@0	-0.56	-0.00029	±2.5	PASS	TH/VH
2	15.0	19125	1902.5	16QAM	75@0	1.85	0.00097	±2.5	PASS	TH/VH
2	20.0	18700	1860.0	QPSK	100@0	-8.5	-0.00457	±2.5	PASS	TH/VH
2	20.0	18700	1860.0	16QAM	100@0	-3.28	-0.00176	±2.5	PASS	TH/VH
2	20.0	18900	1880.0	QPSK	100@0	-11.6	-0.00617	±2.5	PASS	TH/VH
2	20.0	18900	1880.0	16QAM	100@0	-5.32	-0.00283	±2.5	PASS	TH/VH
2	20.0	19100	1900.0	QPSK	100@0	-3.06	-0.00161	±2.5	PASS	TH/VH
2	20.0	19100	1900.0	16QAM	100@0	-5.29	-0.00279	±2.5	PASS	TH/VH

Frequency Stability-TH/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-11.0	-0.00594	±2.5	PASS	TH/VL
2	1.4	18607	1850.7	16QAM	6@0	-7.58	-0.0041	±2.5	PASS	TH/VL
2	1.4	18900	1880.0	QPSK	6@0	-6.52	-0.00347	±2.5	PASS	TH/VL
2	1.4	18900	1880.0	16QAM	6@0	-10.61	-0.00565	±2.5	PASS	TH/VL
2	1.4	19193	1909.3	QPSK	6@0	-5.49	-0.00288	±2.5	PASS	TH/VL
2	1.4	19193	1909.3	16QAM	6@0	-5.49	-0.00288	±2.5	PASS	TH/VL
2	3.0	18615	1851.5	QPSK	15@0	-3.73	-0.00202	±2.5	PASS	TH/VL
2	3.0	18615	1851.5	16QAM	15@0	-9.08	-0.00491	±2.5	PASS	TH/VL
2	3.0	18900	1880.0	QPSK	15@0	-4.66	-0.00248	±2.5	PASS	TH/VL
2	3.0	18900	1880.0	16QAM	15@0	-2.88	-0.00153	±2.5	PASS	TH/VL
2	3.0	19185	1908.5	QPSK	15@0	-1.72	-0.0009	±2.5	PASS	TH/VL
2	3.0	19185	1908.5	16QAM	15@0	-3.86	-0.00202	±2.5	PASS	TH/VL
2	5.0	18625	1852.5	QPSK	25@0	-9.56	-0.00516	±2.5	PASS	TH/VL
2	5.0	18625	1852.5	16QAM	25@0	-8.35	-0.00451	±2.5	PASS	TH/VL
2	5.0	18900	1880.0	QPSK	25@0	-5.68	-0.00302	±2.5	PASS	TH/VL
2	5.0	18900	1880.0	16QAM	25@0	-5.58	-0.00297	±2.5	PASS	TH/VL
2	5.0	19175	1907.5	QPSK	25@0	-3.82	-0.002	±2.5	PASS	TH/VL
2	5.0	19175	1907.5	16QAM	25@0	-4.79	-0.00251	±2.5	PASS	TH/VL
2	10.0	18650	1855.0	QPSK	50@0	-1.34	-0.00072	±2.5	PASS	TH/VL
2	10.0	18650	1855.0	16QAM	50@0	-3.45	-0.00186	±2.5	PASS	TH/VL
2	10.0	18900	1880.0	QPSK	50@0	-3.92	-0.00208	±2.5	PASS	TH/VL
2	10.0	18900	1880.0	16QAM	50@0	-7.88	-0.00419	±2.5	PASS	TH/VL
2	10.0	19150	1905.0	QPSK	50@0	-4.66	-0.00245	±2.5	PASS	TH/VL
2	10.0	19150	1905.0	16QAM	50@0	-6.45	-0.00339	±2.5	PASS	TH/VL
2	15.0	18675	1857.5	QPSK	75@0	0.21	0.00012	±2.5	PASS	TH/VL
2	15.0	18675	1857.5	16QAM	75@0	1.3	0.0007	±2.5	PASS	TH/VL
2	15.0	18900	1880.0	QPSK	75@0	-11.77	-0.00626	±2.5	PASS	TH/VL
2	15.0	18900	1880.0	16QAM	75@0	-7.0	-0.00372	±2.5	PASS	TH/VL
2	15.0	19125	1902.5	QPSK	75@0	-6.87	-0.00361	±2.5	PASS	TH/VL
2	15.0	19125	1902.5	16QAM	75@0	-10.17	-0.00535	±2.5	PASS	TH/VL
2	20.0	18700	1860.0	QPSK	100@0	-6.47	-0.00348	±2.5	PASS	TH/VL
2	20.0	18700	1860.0	16QAM	100@0	-9.8	-0.00527	±2.5	PASS	TH/VL
2	20.0	18900	1880.0	QPSK	100@0	-4.43	-0.00236	±2.5	PASS	TH/VL
2	20.0	18900	1880.0	16QAM	100@0	-7.77	-0.00413	±2.5	PASS	TH/VL
2	20.0	19100	1900.0	QPSK	100@0	-2.66	-0.0014	±2.5	PASS	TH/VL
2	20.0	19100	1900.0	16QAM	100@0	-10.83	-0.0057	±2.5	PASS	TH/VL

Frequency Stability-TH/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-16.15	-0.00873	±2.5	PASS	TH/VN
2	1.4	18607	1850.7	16QAM	6@0	-12.13	-0.00655	±2.5	PASS	TH/VN
2	1.4	18900	1880.0	QPSK	6@0	0.23	0.00012	±2.5	PASS	TH/VN
2	1.4	18900	1880.0	16QAM	6@0	-10.46	-0.00556	±2.5	PASS	TH/VN
2	1.4	19193	1909.3	QPSK	6@0	-2.33	-0.00122	±2.5	PASS	TH/VN
2	1.4	19193	1909.3	16QAM	6@0	1.42	0.00074	±2.5	PASS	TH/VN
2	3.0	18615	1851.5	QPSK	15@0	1.87	0.00101	±2.5	PASS	TH/VN
2	3.0	18615	1851.5	16QAM	15@0	-10.44	-0.00564	±2.5	PASS	TH/VN
2	3.0	18900	1880.0	QPSK	15@0	-4.63	-0.00247	±2.5	PASS	TH/VN
2	3.0	18900	1880.0	16QAM	15@0	-8.04	-0.00428	±2.5	PASS	TH/VN
2	3.0	19185	1908.5	QPSK	15@0	0.32	0.00017	±2.5	PASS	TH/VN
2	3.0	19185	1908.5	16QAM	15@0	-11.53	-0.00604	±2.5	PASS	TH/VN
2	5.0	18625	1852.5	QPSK	25@0	-0.57	-0.00031	±2.5	PASS	TH/VN
2	5.0	18625	1852.5	16QAM	25@0	-13.18	-0.00711	±2.5	PASS	TH/VN
2	5.0	18900	1880.0	QPSK	25@0	-2.85	-0.00151	±2.5	PASS	TH/VN
2	5.0	18900	1880.0	16QAM	25@0	-6.14	-0.00326	±2.5	PASS	TH/VN
2	5.0	19175	1907.5	QPSK	25@0	-9.91	-0.0052	±2.5	PASS	TH/VN
2	5.0	19175	1907.5	16QAM	25@0	-10.41	-0.00546	±2.5	PASS	TH/VN
2	10.0	18650	1855.0	QPSK	50@0	-8.14	-0.00439	±2.5	PASS	TH/VN
2	10.0	18650	1855.0	16QAM	50@0	-5.46	-0.00295	±2.5	PASS	TH/VN
2	10.0	18900	1880.0	QPSK	50@0	-10.69	-0.00568	±2.5	PASS	TH/VN
2	10.0	18900	1880.0	16QAM	50@0	-5.41	-0.00288	±2.5	PASS	TH/VN
2	10.0	19150	1905.0	QPSK	50@0	1.95	0.00102	±2.5	PASS	TH/VN
2	10.0	19150	1905.0	16QAM	50@0	4.51	0.00237	±2.5	PASS	TH/VN
2	15.0	18675	1857.5	QPSK	75@0	-0.79	-0.00042	±2.5	PASS	TH/VN
2	15.0	18675	1857.5	16QAM	75@0	-4.39	-0.00236	±2.5	PASS	TH/VN
2	15.0	18900	1880.0	QPSK	75@0	0.32	0.00017	±2.5	PASS	TH/VN
2	15.0	18900	1880.0	16QAM	75@0	-5.64	-0.003	±2.5	PASS	TH/VN
2	15.0	19125	1902.5	QPSK	75@0	-0.51	-0.00027	±2.5	PASS	TH/VN
2	15.0	19125	1902.5	16QAM	75@0	-6.87	-0.00361	±2.5	PASS	TH/VN
2	20.0	18700	1860.0	QPSK	100@0	-9.87	-0.00531	±2.5	PASS	TH/VN
2	20.0	18700	1860.0	16QAM	100@0	-12.0	-0.00645	±2.5	PASS	TH/VN
2	20.0	18900	1880.0	QPSK	100@0	-12.86	-0.00684	±2.5	PASS	TH/VN
2	20.0	18900	1880.0	16QAM	100@0	-11.66	-0.0062	±2.5	PASS	TH/VN
2	20.0	19100	1900.0	QPSK	100@0	-10.27	-0.00541	±2.5	PASS	TH/VN
2	20.0	19100	1900.0	16QAM	100@0	-6.17	-0.00325	±2.5	PASS	TH/VN

Frequency Stability-TL/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-10.97	-0.00593	±2.5	PASS	TL/VH
2	1.4	18607	1850.7	16QAM	6@0	-2.99	-0.00162	±2.5	PASS	TL/VH
2	1.4	18900	1880.0	QPSK	6@0	-4.73	-0.00252	±2.5	PASS	TL/VH
2	1.4	18900	1880.0	16QAM	6@0	-6.25	-0.00333	±2.5	PASS	TL/VH
2	1.4	19193	1909.3	QPSK	6@0	-0.23	-0.00012	±2.5	PASS	TL/VH
2	1.4	19193	1909.3	16QAM	6@0	-6.64	-0.00348	±2.5	PASS	TL/VH
2	3.0	18615	1851.5	QPSK	15@0	-14.99	-0.0081	±2.5	PASS	TL/VH
2	3.0	18615	1851.5	16QAM	15@0	-13.05	-0.00705	±2.5	PASS	TL/VH
2	3.0	18900	1880.0	QPSK	15@0	1.4	0.00075	±2.5	PASS	TL/VH
2	3.0	18900	1880.0	16QAM	15@0	-14.82	-0.00788	±2.5	PASS	TL/VH
2	3.0	19185	1908.5	QPSK	15@0	2.6	0.00136	±2.5	PASS	TL/VH
2	3.0	19185	1908.5	16QAM	15@0	-4.62	-0.00242	±2.5	PASS	TL/VH
2	5.0	18625	1852.5	QPSK	25@0	-8.94	-0.00483	±2.5	PASS	TL/VH
2	5.0	18625	1852.5	16QAM	25@0	-11.43	-0.00617	±2.5	PASS	TL/VH
2	5.0	18900	1880.0	QPSK	25@0	-5.89	-0.00313	±2.5	PASS	TL/VH
2	5.0	18900	1880.0	16QAM	25@0	-7.2	-0.00383	±2.5	PASS	TL/VH
2	5.0	19175	1907.5	QPSK	25@0	0.56	0.00029	±2.5	PASS	TL/VH
2	5.0	19175	1907.5	16QAM	25@0	-8.68	-0.00455	±2.5	PASS	TL/VH
2	10.0	18650	1855.0	QPSK	50@0	-7.82	-0.00422	±2.5	PASS	TL/VH
2	10.0	18650	1855.0	16QAM	50@0	-0.6	-0.00032	±2.5	PASS	TL/VH
2	10.0	18900	1880.0	QPSK	50@0	-9.46	-0.00503	±2.5	PASS	TL/VH
2	10.0	18900	1880.0	16QAM	50@0	2.93	0.00156	±2.5	PASS	TL/VH
2	10.0	19150	1905.0	QPSK	50@0	-10.0	-0.00525	±2.5	PASS	TL/VH
2	10.0	19150	1905.0	16QAM	50@0	-9.76	-0.00512	±2.5	PASS	TL/VH
2	15.0	18675	1857.5	QPSK	75@0	-3.03	-0.00163	±2.5	PASS	TL/VH
2	15.0	18675	1857.5	16QAM	75@0	-9.26	-0.00498	±2.5	PASS	TL/VH
2	15.0	18900	1880.0	QPSK	75@0	-0.51	-0.00027	±2.5	PASS	TL/VH
2	15.0	18900	1880.0	16QAM	75@0	-6.51	-0.00346	±2.5	PASS	TL/VH
2	15.0	19125	1902.5	QPSK	75@0	-9.57	-0.00503	±2.5	PASS	TL/VH
2	15.0	19125	1902.5	16QAM	75@0	-13.26	-0.00697	±2.5	PASS	TL/VH
2	20.0	18700	1860.0	QPSK	100@0	-3.62	-0.00195	±2.5	PASS	TL/VH
2	20.0	18700	1860.0	16QAM	100@0	-1.9	-0.00102	±2.5	PASS	TL/VH
2	20.0	18900	1880.0	QPSK	100@0	2.02	0.00107	±2.5	PASS	TL/VH
2	20.0	18900	1880.0	16QAM	100@0	-13.52	-0.00719	±2.5	PASS	TL/VH
2	20.0	19100	1900.0	QPSK	100@0	3.75	0.00197	±2.5	PASS	TL/VH
2	20.0	19100	1900.0	16QAM	100@0	-16.45	-0.00866	±2.5	PASS	TL/VH

Frequency Stability-TL/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	20.0	18700	1860.0	QPSK	100@0	0.47	0.00025	±2.5	PASS	TL/VL
2	20.0	18700	1860.0	16QAM	100@0	-6.01	-0.00323	±2.5	PASS	TL/VL
2	20.0	18900	1880.0	QPSK	100@0	-8.63	-0.00459	±2.5	PASS	TL/VL
2	20.0	18900	1880.0	16QAM	100@0	-7.9	-0.0042	±2.5	PASS	TL/VL
2	20.0	19100	1900.0	QPSK	100@0	-9.98	-0.00526	±2.5	PASS	TL/VL
2	20.0	19100	1900.0	16QAM	100@0	-2.52	-0.00133	±2.5	PASS	TL/VL

Frequency Stability-TL/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-15.16	-0.00819	±2.5	PASS	TL/VN
2	1.4	18607	1850.7	16QAM	6@0	-6.61	-0.00357	±2.5	PASS	TL/VN
2	1.4	18900	1880.0	QPSK	6@0	-2.69	-0.00143	±2.5	PASS	TL/VN
2	1.4	18900	1880.0	16QAM	6@0	-19.91	-0.01059	±2.5	PASS	TL/VN
2	1.4	19193	1909.3	QPSK	6@0	-12.42	-0.0065	±2.5	PASS	TL/VN
2	1.4	19193	1909.3	16QAM	6@0	-6.94	-0.00363	±2.5	PASS	TL/VN
2	3.0	18615	1851.5	QPSK	15@0	-7.24	-0.00391	±2.5	PASS	TL/VN
2	3.0	18615	1851.5	16QAM	15@0	-4.72	-0.00255	±2.5	PASS	TL/VN
2	3.0	18900	1880.0	QPSK	15@0	0.32	0.00017	±2.5	PASS	TL/VN
2	3.0	18900	1880.0	16QAM	15@0	-1.43	-0.00076	±2.5	PASS	TL/VN
2	3.0	19185	1908.5	QPSK	15@0	-7.04	-0.00369	±2.5	PASS	TL/VN
2	3.0	19185	1908.5	16QAM	15@0	-5.48	-0.00287	±2.5	PASS	TL/VN
2	5.0	18625	1852.5	QPSK	25@0	-12.77	-0.0069	±2.5	PASS	TL/VN
2	5.0	18625	1852.5	16QAM	25@0	-14.63	-0.0079	±2.5	PASS	TL/VN
2	5.0	18900	1880.0	QPSK	25@0	-2.39	-0.00127	±2.5	PASS	TL/VN
2	5.0	18900	1880.0	16QAM	25@0	-5.85	-0.00311	±2.5	PASS	TL/VN
2	5.0	19175	1907.5	QPSK	25@0	-7.01	-0.00367	±2.5	PASS	TL/VN
2	5.0	19175	1907.5	16QAM	25@0	-3.89	-0.00204	±2.5	PASS	TL/VN
2	10.0	18650	1855.0	QPSK	50@0	2.65	0.00143	±2.5	PASS	TL/VN
2	10.0	18650	1855.0	16QAM	50@0	-15.18	-0.00818	±2.5	PASS	TL/VN
2	10.0	18900	1880.0	QPSK	50@0	-0.89	-0.00047	±2.5	PASS	TL/VN
2	10.0	18900	1880.0	16QAM	50@0	-10.8	-0.00574	±2.5	PASS	TL/VN
2	10.0	19150	1905.0	QPSK	50@0	1.76	0.00092	±2.5	PASS	TL/VN
2	10.0	19150	1905.0	16QAM	50@0	-0.53	-0.00028	±2.5	PASS	TL/VN
2	15.0	18675	1857.5	QPSK	75@0	-5.46	-0.00294	±2.5	PASS	TL/VN
2	15.0	18675	1857.5	16QAM	75@0	-8.51	-0.00458	±2.5	PASS	TL/VN
2	15.0	18900	1880.0	QPSK	75@0	-6.78	-0.00361	±2.5	PASS	TL/VN
2	15.0	18900	1880.0	16QAM	75@0	-8.8	-0.00468	±2.5	PASS	TL/VN
2	15.0	19125	1902.5	QPSK	75@0	-4.22	-0.00222	±2.5	PASS	TL/VN
2	15.0	19125	1902.5	16QAM	75@0	-3.52	-0.00185	±2.5	PASS	TL/VN
2	20.0	18700	1860.0	QPSK	100@0	-0.33	-0.00018	±2.5	PASS	TL/VN
2	20.0	18700	1860.0	16QAM	100@0	0.23	0.00012	±2.5	PASS	TL/VN
2	20.0	18900	1880.0	QPSK	100@0	-5.29	-0.00282	±2.5	PASS	TL/VN
2	20.0	18900	1880.0	16QAM	100@0	-10.57	-0.00562	±2.5	PASS	TL/VN
2	20.0	19100	1900.0	QPSK	100@0	2.66	0.0014	±2.5	PASS	TL/VN
2	20.0	19100	1900.0	16QAM	100@0	-4.88	-0.00257	±2.5	PASS	TL/VN

Frequency Stability-TN/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-11.74	-0.00635	±2.5	PASS	TN/VH
2	1.4	18607	1850.7	16QAM	6@0	-4.25	-0.0023	±2.5	PASS	TN/VH
2	1.4	18900	1880.0	QPSK	6@0	1.95	0.00103	±2.5	PASS	TN/VH
2	1.4	18900	1880.0	16QAM	6@0	-2.49	-0.00132	±2.5	PASS	TN/VH
2	1.4	19193	1909.3	QPSK	6@0	-3.45	-0.00181	±2.5	PASS	TN/VH
2	1.4	19193	1909.3	16QAM	6@0	-2.86	-0.0015	±2.5	PASS	TN/VH
2	3.0	18615	1851.5	QPSK	15@0	-4.63	-0.0025	±2.5	PASS	TN/VH
2	3.0	18615	1851.5	16QAM	15@0	-5.21	-0.00281	±2.5	PASS	TN/VH
2	3.0	18900	1880.0	QPSK	15@0	-4.85	-0.00258	±2.5	PASS	TN/VH
2	3.0	18900	1880.0	16QAM	15@0	-0.83	-0.00044	±2.5	PASS	TN/VH
2	3.0	19185	1908.5	QPSK	15@0	-9.2	-0.00482	±2.5	PASS	TN/VH
2	3.0	19185	1908.5	16QAM	15@0	0.86	0.00045	±2.5	PASS	TN/VH
2	5.0	18625	1852.5	QPSK	25@0	-1.66	-0.0009	±2.5	PASS	TN/VH
2	5.0	18625	1852.5	16QAM	25@0	-8.91	-0.00481	±2.5	PASS	TN/VH
2	5.0	18900	1880.0	QPSK	25@0	-0.6	-0.00032	±2.5	PASS	TN/VH
2	5.0	18900	1880.0	16QAM	25@0	-5.06	-0.00269	±2.5	PASS	TN/VH
2	5.0	19175	1907.5	QPSK	25@0	-0.69	-0.00036	±2.5	PASS	TN/VH
2	5.0	19175	1907.5	16QAM	25@0	-9.78	-0.00513	±2.5	PASS	TN/VH
2	10.0	18650	1855.0	QPSK	50@0	0.6	0.00032	±2.5	PASS	TN/VH
2	10.0	18650	1855.0	16QAM	50@0	-1.67	-0.0009	±2.5	PASS	TN/VH
2	10.0	18900	1880.0	QPSK	50@0	-5.59	-0.00298	±2.5	PASS	TN/VH
2	10.0	18900	1880.0	16QAM	50@0	-24.38	-0.01297	±2.5	PASS	TN/VH
2	10.0	19150	1905.0	QPSK	50@0	-15.22	-0.00799	±2.5	PASS	TN/VH
2	10.0	19150	1905.0	16QAM	50@0	-12.42	-0.00652	±2.5	PASS	TN/VH
2	15.0	18675	1857.5	QPSK	75@0	-2.98	-0.0016	±2.5	PASS	TN/VH
2	15.0	18675	1857.5	16QAM	75@0	-3.02	-0.00162	±2.5	PASS	TN/VH
2	15.0	18900	1880.0	QPSK	75@0	-17.22	-0.00916	±2.5	PASS	TN/VH
2	15.0	18900	1880.0	16QAM	75@0	-1.46	-0.00078	±2.5	PASS	TN/VH
2	15.0	19125	1902.5	QPSK	75@0	-15.41	-0.0081	±2.5	PASS	TN/VH
2	15.0	19125	1902.5	16QAM	75@0	-13.13	-0.0069	±2.5	PASS	TN/VH
2	20.0	18700	1860.0	QPSK	100@0	2.9	0.00156	±2.5	PASS	TN/VH
2	20.0	18700	1860.0	16QAM	100@0	-14.83	-0.00798	±2.5	PASS	TN/VH
2	20.0	18900	1880.0	QPSK	100@0	-0.74	-0.0004	±2.5	PASS	TN/VH
2	20.0	18900	1880.0	16QAM	100@0	-6.32	-0.00336	±2.5	PASS	TN/VH
2	20.0	19100	1900.0	QPSK	100@0	-5.56	-0.00293	±2.5	PASS	TN/VH
2	20.0	19100	1900.0	16QAM	100@0	2.09	0.0011	±2.5	PASS	TN/VH

Frequency Stability-TN/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-5.35	-0.00289	±2.5	PASS	TN/VL
2	1.4	18607	1850.7	16QAM	6@0	-2.99	-0.00162	±2.5	PASS	TN/VL
2	1.4	18900	1880.0	QPSK	6@0	-11.42	-0.00607	±2.5	PASS	TN/VL
2	1.4	18900	1880.0	16QAM	6@0	-15.18	-0.00807	±2.5	PASS	TN/VL
2	1.4	19193	1909.3	QPSK	6@0	0.72	0.00037	±2.5	PASS	TN/VL
2	1.4	19193	1909.3	16QAM	6@0	-1.62	-0.00085	±2.5	PASS	TN/VL
2	3.0	18615	1851.5	QPSK	15@0	-0.86	-0.00046	±2.5	PASS	TN/VL
2	3.0	18615	1851.5	16QAM	15@0	-10.77	-0.00582	±2.5	PASS	TN/VL
2	3.0	18900	1880.0	QPSK	15@0	-12.82	-0.00682	±2.5	PASS	TN/VL
2	3.0	18900	1880.0	16QAM	15@0	-3.92	-0.00208	±2.5	PASS	TN/VL
2	3.0	19185	1908.5	QPSK	15@0	-1.57	-0.00082	±2.5	PASS	TN/VL
2	3.0	19185	1908.5	16QAM	15@0	0.32	0.00017	±2.5	PASS	TN/VL
2	5.0	18625	1852.5	QPSK	25@0	-7.58	-0.00409	±2.5	PASS	TN/VL
2	5.0	18625	1852.5	16QAM	25@0	-8.34	-0.0045	±2.5	PASS	TN/VL
2	5.0	18900	1880.0	QPSK	25@0	-4.84	-0.00257	±2.5	PASS	TN/VL
2	5.0	18900	1880.0	16QAM	25@0	-15.22	-0.0081	±2.5	PASS	TN/VL
2	5.0	19175	1907.5	QPSK	25@0	-9.03	-0.00473	±2.5	PASS	TN/VL
2	5.0	19175	1907.5	16QAM	25@0	-1.56	-0.00082	±2.5	PASS	TN/VL
2	10.0	18650	1855.0	QPSK	50@0	-11.76	-0.00634	±2.5	PASS	TN/VL
2	10.0	18650	1855.0	16QAM	50@0	-0.5	-0.00027	±2.5	PASS	TN/VL
2	10.0	18900	1880.0	QPSK	50@0	-5.26	-0.0028	±2.5	PASS	TN/VL
2	10.0	18900	1880.0	16QAM	50@0	-10.71	-0.0057	±2.5	PASS	TN/VL
2	10.0	19150	1905.0	QPSK	50@0	-10.61	-0.00557	±2.5	PASS	TN/VL
2	10.0	19150	1905.0	16QAM	50@0	-1.23	-0.00065	±2.5	PASS	TN/VL
2	15.0	18675	1857.5	QPSK	75@0	-0.49	-0.00026	±2.5	PASS	TN/VL
2	15.0	18675	1857.5	16QAM	75@0	0.47	0.00025	±2.5	PASS	TN/VL
2	15.0	18900	1880.0	QPSK	75@0	-7.93	-0.00422	±2.5	PASS	TN/VL
2	15.0	18900	1880.0	16QAM	75@0	-3.09	-0.00164	±2.5	PASS	TN/VL
2	15.0	19125	1902.5	QPSK	75@0	-1.73	-0.00091	±2.5	PASS	TN/VL
2	15.0	19125	1902.5	16QAM	75@0	-2.06	-0.00108	±2.5	PASS	TN/VL
2	20.0	18700	1860.0	QPSK	100@0	-5.36	-0.00288	±2.5	PASS	TN/VL
2	20.0	18700	1860.0	16QAM	100@0	1.66	0.00089	±2.5	PASS	TN/VL
2	20.0	18900	1880.0	QPSK	100@0	-7.62	-0.00406	±2.5	PASS	TN/VL
2	20.0	18900	1880.0	16QAM	100@0	-10.37	-0.00552	±2.5	PASS	TN/VL
2	20.0	19100	1900.0	QPSK	100@0	-9.48	-0.00499	±2.5	PASS	TN/VL
2	20.0	19100	1900.0	16QAM	100@0	-3.26	-0.00172	±2.5	PASS	TN/VL

Frequency Stability-TN/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	1.4	18607	1850.7	QPSK	6@0	-5.72	-0.00309	±2.5	PASS	TN/VN
2	1.4	18607	1850.7	16QAM	6@0	1.66	0.0009	±2.5	PASS	TN/VN
2	1.4	18900	1880.0	QPSK	6@0	-9.1	-0.00484	±2.5	PASS	TN/VN
2	1.4	18900	1880.0	16QAM	6@0	-19.03	-0.01012	±2.5	PASS	TN/VN
2	1.4	19193	1909.3	QPSK	6@0	-8.2	-0.00429	±2.5	PASS	TN/VN
2	1.4	19193	1909.3	16QAM	6@0	-6.31	-0.0033	±2.5	PASS	TN/VN
2	3.0	18615	1851.5	QPSK	15@0	5.06	0.00274	±2.5	PASS	TN/VN
2	3.0	18615	1851.5	16QAM	15@0	-2.72	-0.00147	±2.5	PASS	TN/VN
2	3.0	18900	1880.0	QPSK	15@0	-16.98	-0.00903	±2.5	PASS	TN/VN
2	3.0	18900	1880.0	16QAM	15@0	-4.89	-0.0026	±2.5	PASS	TN/VN
2	3.0	19185	1908.5	QPSK	15@0	-0.82	-0.00043	±2.5	PASS	TN/VN
2	3.0	19185	1908.5	16QAM	15@0	-2.95	-0.00154	±2.5	PASS	TN/VN
2	5.0	18625	1852.5	QPSK	25@0	-0.49	-0.00026	±2.5	PASS	TN/VN
2	5.0	18625	1852.5	16QAM	25@0	-11.67	-0.0063	±2.5	PASS	TN/VN
2	5.0	18900	1880.0	QPSK	25@0	-11.1	-0.0059	±2.5	PASS	TN/VN
2	5.0	18900	1880.0	16QAM	25@0	-17.7	-0.00941	±2.5	PASS	TN/VN
2	5.0	19175	1907.5	QPSK	25@0	-13.0	-0.00682	±2.5	PASS	TN/VN
2	5.0	19175	1907.5	16QAM	25@0	-13.85	-0.00726	±2.5	PASS	TN/VN
2	10.0	18650	1855.0	QPSK	50@0	1.86	0.001	±2.5	PASS	TN/VN
2	10.0	18650	1855.0	16QAM	50@0	-2.88	-0.00155	±2.5	PASS	TN/VN
2	10.0	18900	1880.0	QPSK	50@0	-11.92	-0.00634	±2.5	PASS	TN/VN
2	10.0	18900	1880.0	16QAM	50@0	-7.47	-0.00397	±2.5	PASS	TN/VN
2	10.0	19150	1905.0	QPSK	50@0	-0.73	-0.00038	±2.5	PASS	TN/VN
2	10.0	19150	1905.0	16QAM	50@0	-8.98	-0.00472	±2.5	PASS	TN/VN
2	15.0	18675	1857.5	QPSK	75@0	3.13	0.00169	±2.5	PASS	TN/VN
2	15.0	18675	1857.5	16QAM	75@0	-6.41	-0.00345	±2.5	PASS	TN/VN
2	15.0	18900	1880.0	QPSK	75@0	-0.41	-0.00022	±2.5	PASS	TN/VN
2	15.0	18900	1880.0	16QAM	75@0	-2.15	-0.00114	±2.5	PASS	TN/VN
2	15.0	19125	1902.5	QPSK	75@0	-4.41	-0.00232	±2.5	PASS	TN/VN
2	15.0	19125	1902.5	16QAM	75@0	-1.16	-0.00061	±2.5	PASS	TN/VN
2	20.0	18700	1860.0	QPSK	100@0	-5.82	-0.00313	±2.5	PASS	TN/VN
2	20.0	18700	1860.0	16QAM	100@0	-5.32	-0.00286	±2.5	PASS	TN/VN
2	20.0	18900	1880.0	QPSK	100@0	-7.27	-0.00387	±2.5	PASS	TN/VN
2	20.0	18900	1880.0	16QAM	100@0	-11.3	-0.00601	±2.5	PASS	TN/VN
2	20.0	19100	1900.0	QPSK	100@0	-2.3	-0.00121	±2.5	PASS	TN/VN
2	20.0	19100	1900.0	16QAM	100@0	-3.66	-0.00193	±2.5	PASS	TN/VN

7.Modulation Characteristics

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
2	1.4	18607	1850.7	QPSK	6@0	PASS
2	1.4	18607	1850.7	16QAM	6@0	PASS
2	1.4	18900	1880.0	QPSK	6@0	PASS
2	1.4	18900	1880.0	16QAM	6@0	PASS
2	1.4	19193	1909.3	QPSK	6@0	PASS
2	1.4	19193	1909.3	16QAM	6@0	PASS
2	3.0	18615	1851.5	QPSK	15@0	PASS
2	3.0	18615	1851.5	16QAM	15@0	PASS
2	3.0	18900	1880.0	QPSK	15@0	PASS
2	3.0	18900	1880.0	16QAM	15@0	PASS
2	3.0	19185	1908.5	QPSK	15@0	PASS
2	3.0	19185	1908.5	16QAM	15@0	PASS
2	5.0	18625	1852.5	QPSK	25@0	PASS
2	5.0	18625	1852.5	16QAM	25@0	PASS
2	5.0	18900	1880.0	QPSK	25@0	PASS
2	5.0	18900	1880.0	16QAM	25@0	PASS
2	5.0	19175	1907.5	QPSK	25@0	PASS
2	5.0	19175	1907.5	16QAM	25@0	PASS
2	10.0	18650	1855.0	QPSK	50@0	PASS
2	10.0	18650	1855.0	16QAM	50@0	PASS
2	10.0	18900	1880.0	QPSK	50@0	PASS
2	10.0	18900	1880.0	16QAM	50@0	PASS
2	10.0	19150	1905.0	QPSK	50@0	PASS
2	10.0	19150	1905.0	16QAM	50@0	PASS
2	15.0	18675	1857.5	QPSK	75@0	PASS
2	15.0	18675	1857.5	16QAM	75@0	PASS
2	15.0	18900	1880.0	QPSK	75@0	PASS
2	15.0	18900	1880.0	16QAM	75@0	PASS
2	15.0	19125	1902.5	QPSK	75@0	PASS
2	15.0	19125	1902.5	16QAM	75@0	PASS
2	20.0	18700	1860.0	QPSK	100@0	PASS
2	20.0	18700	1860.0	16QAM	100@0	PASS
2	20.0	18900	1880.0	QPSK	100@0	PASS
2	20.0	18900	1880.0	16QAM	100@0	PASS
2	20.0	19100	1900.0	QPSK	100@0	PASS
2	20.0	19100	1900.0	16QAM	100@0	PASS

Test Graphs

