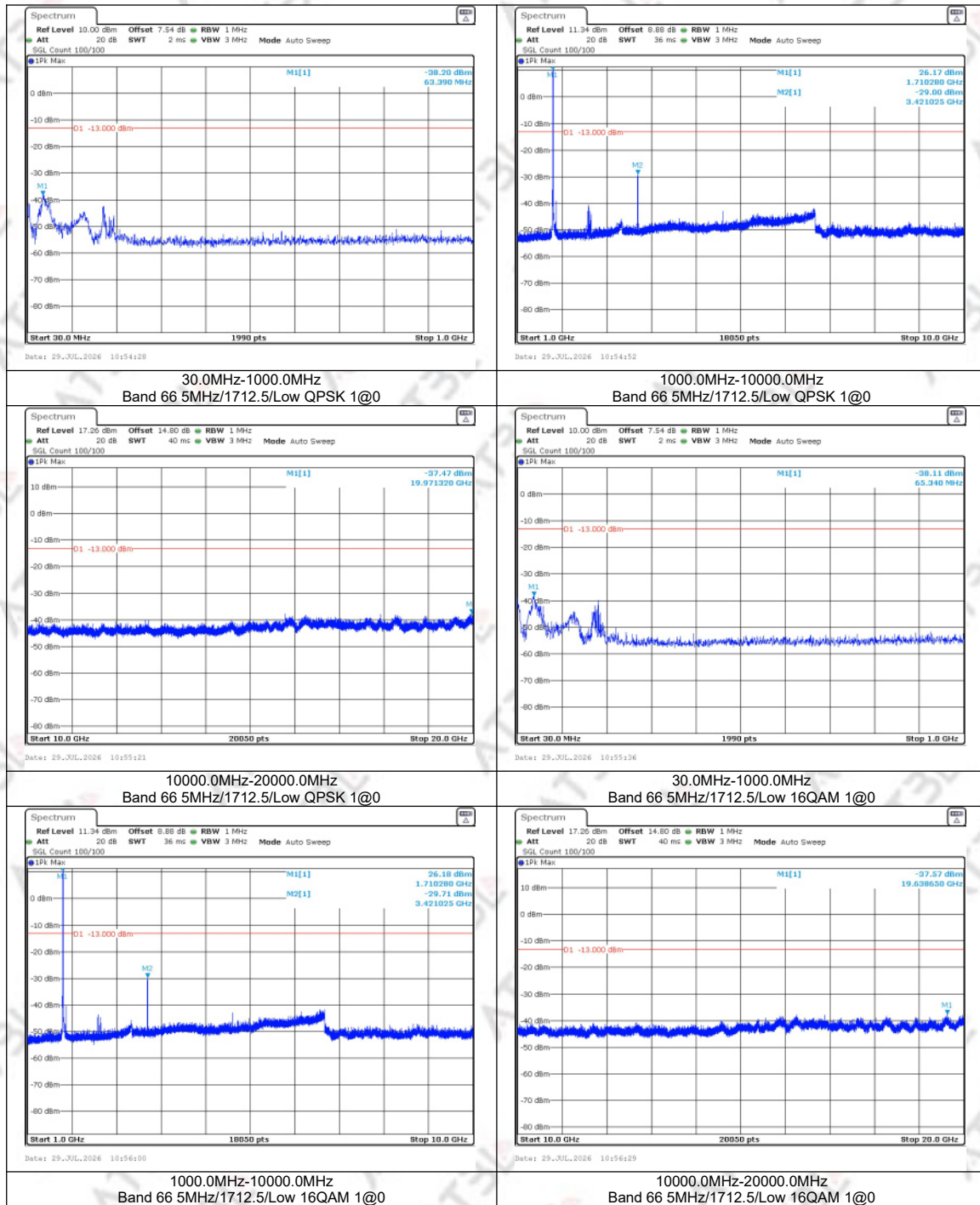
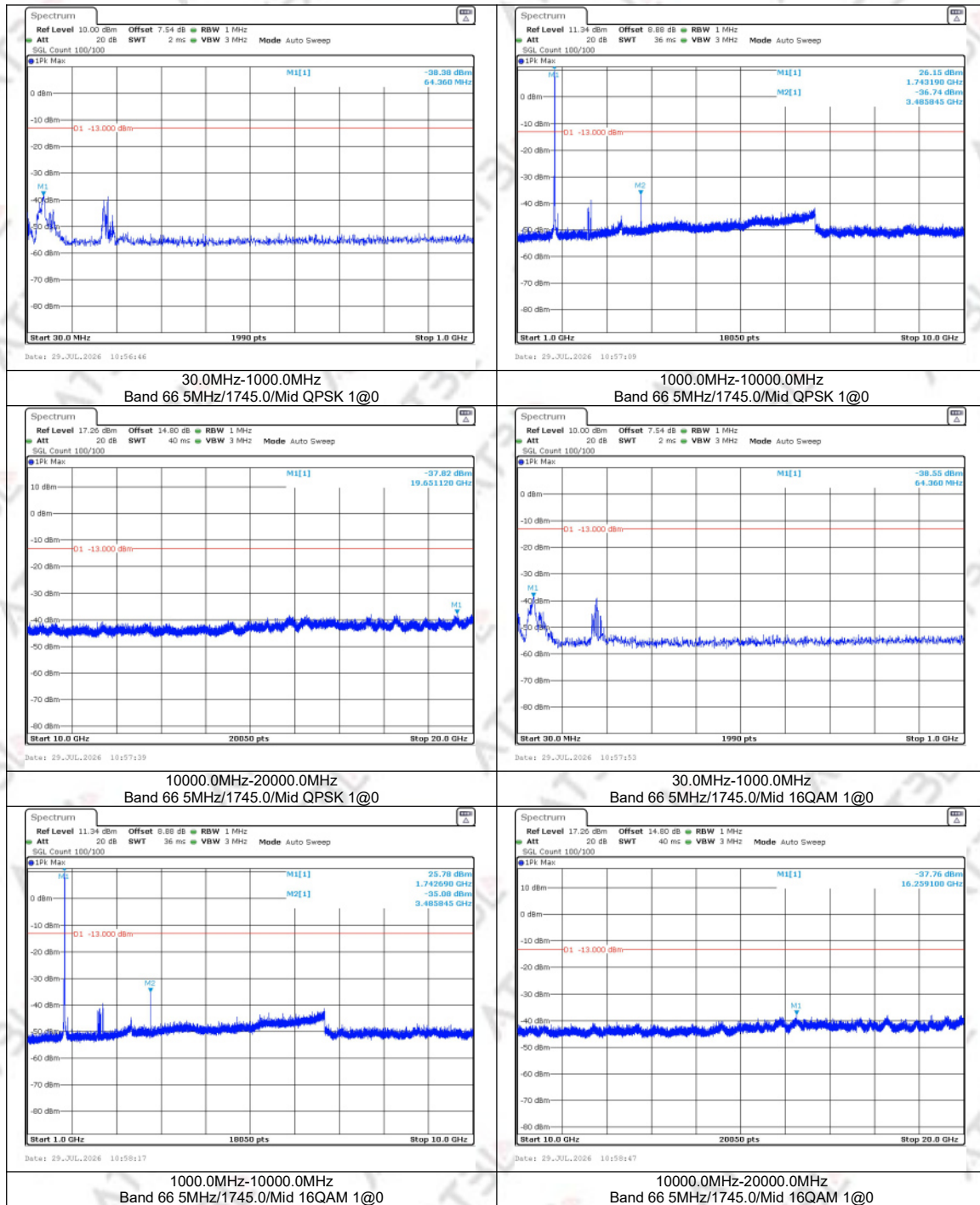
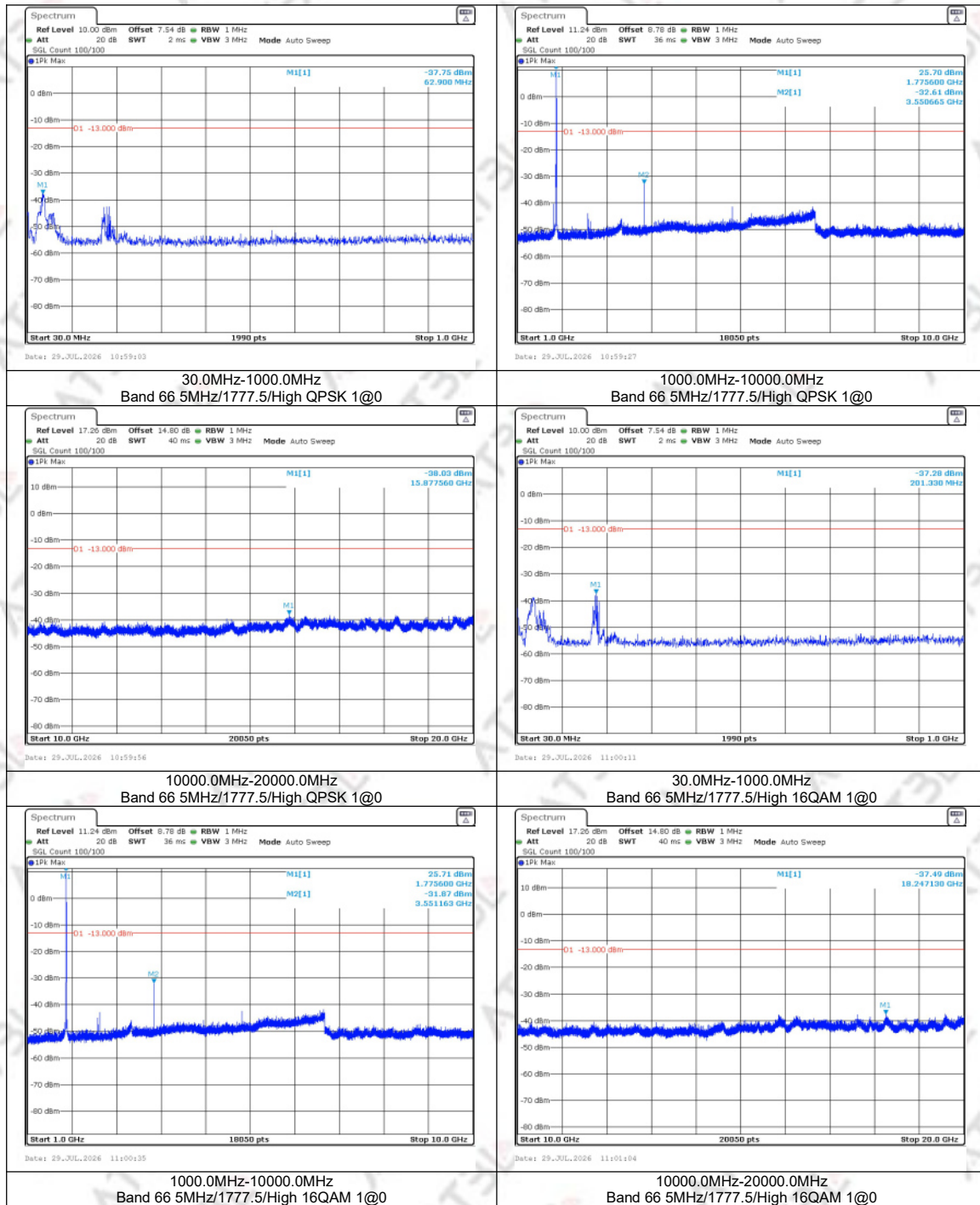
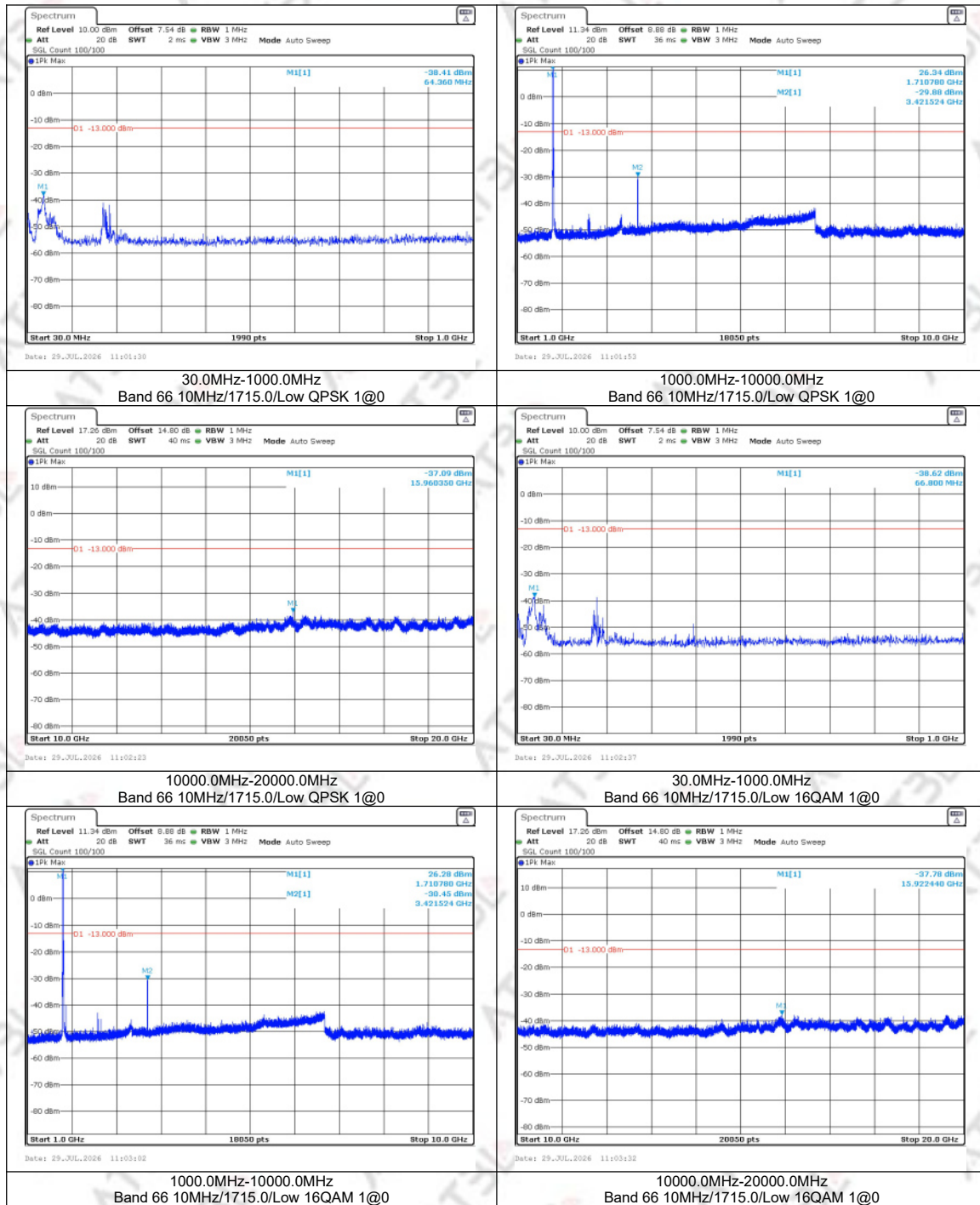
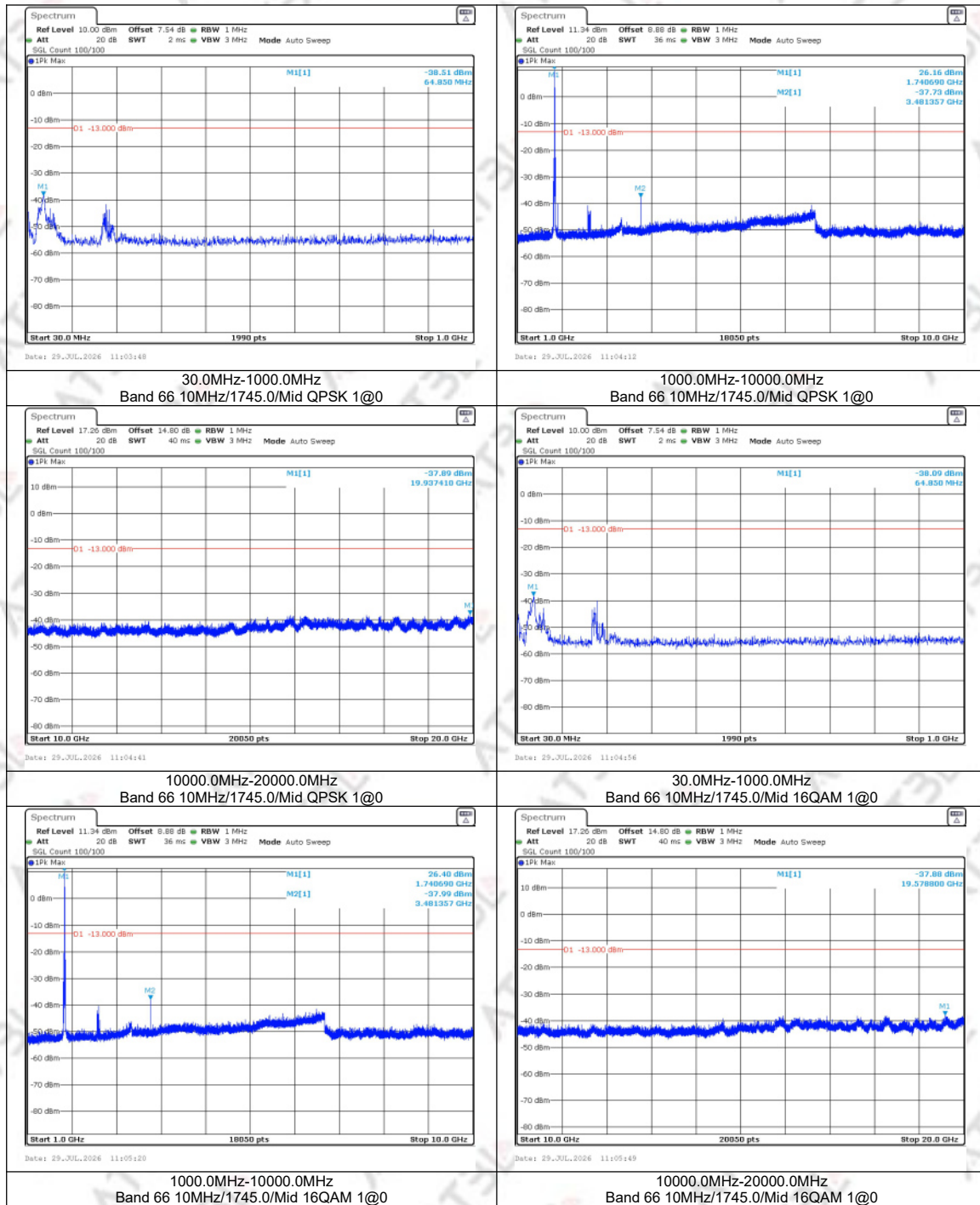


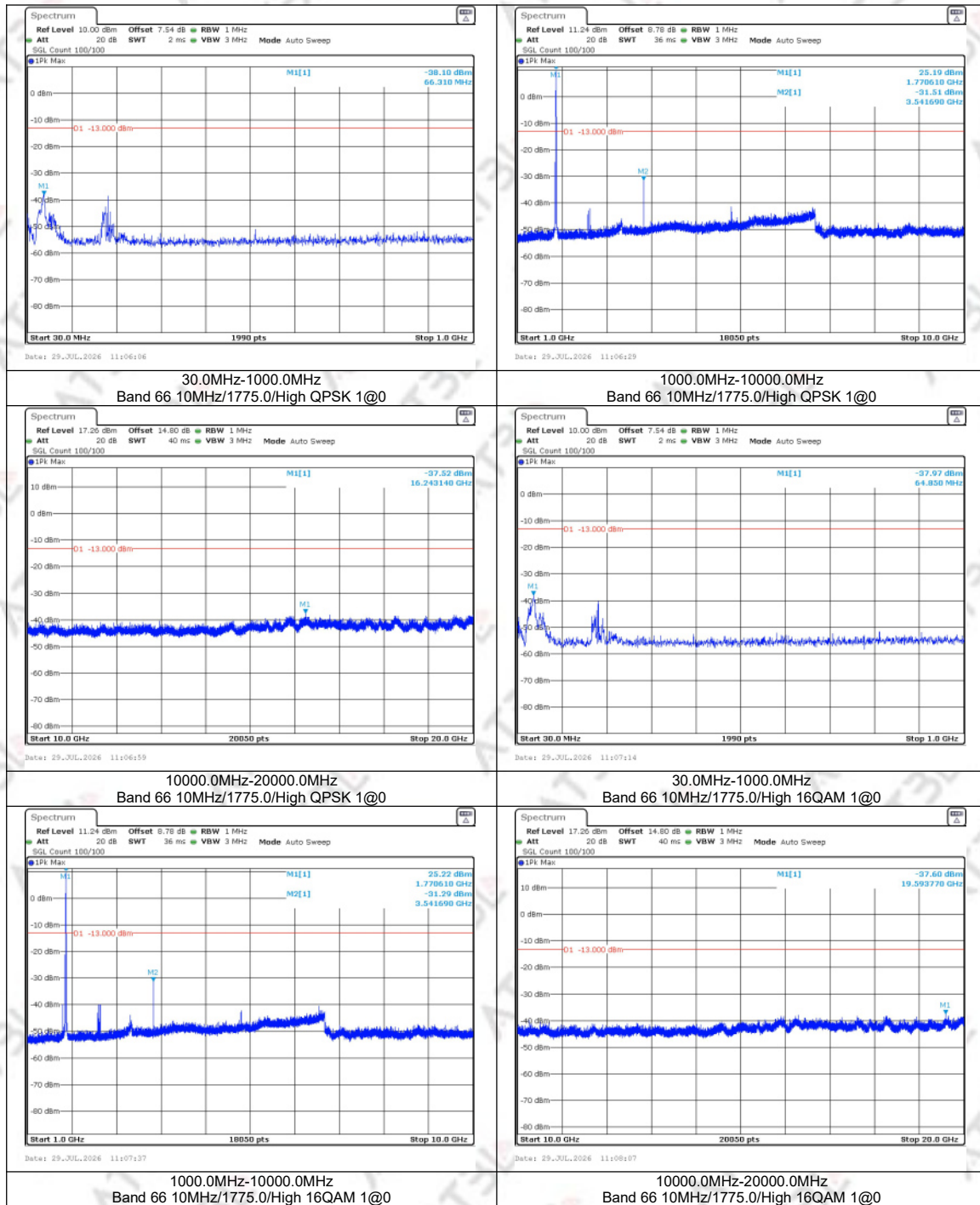


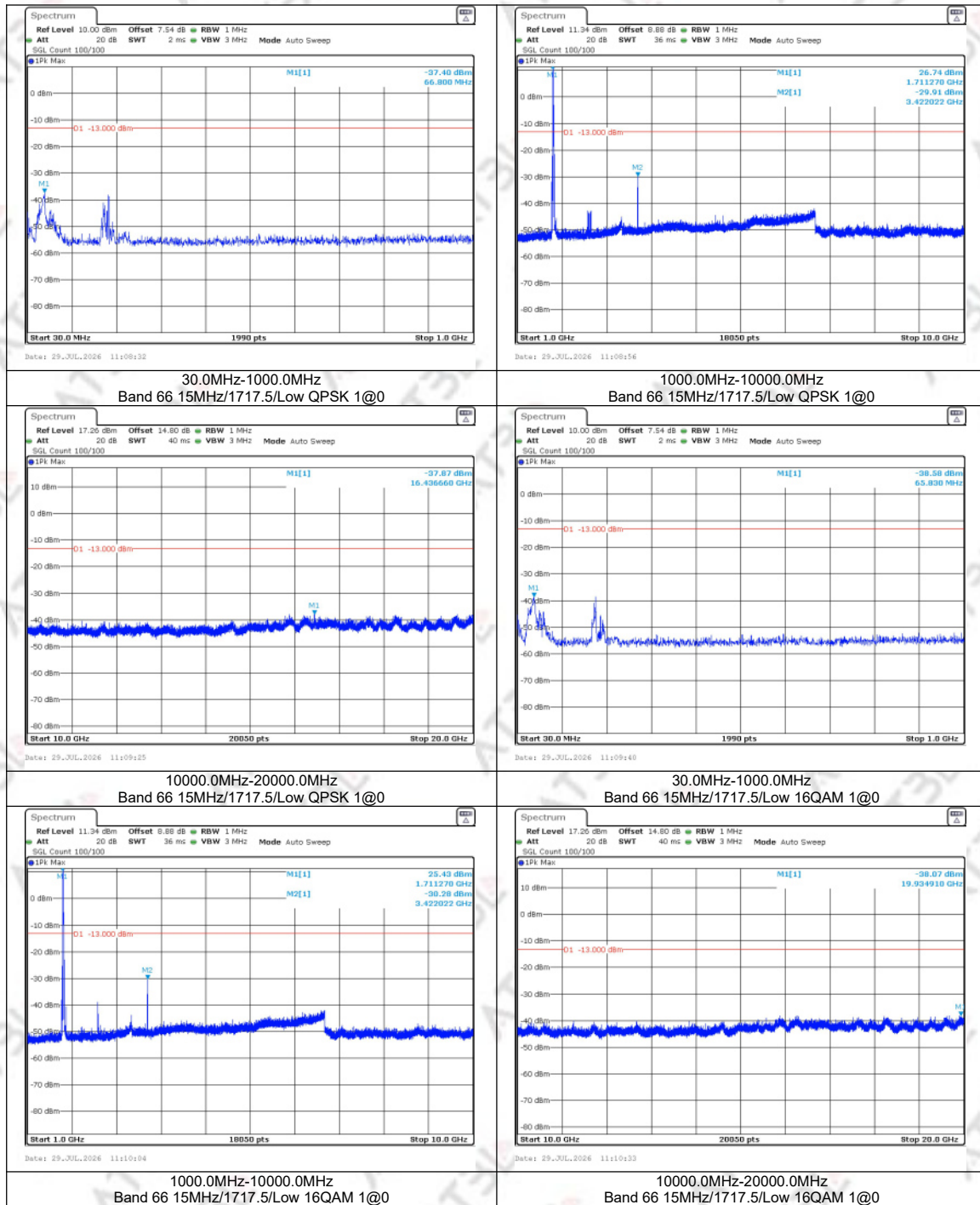


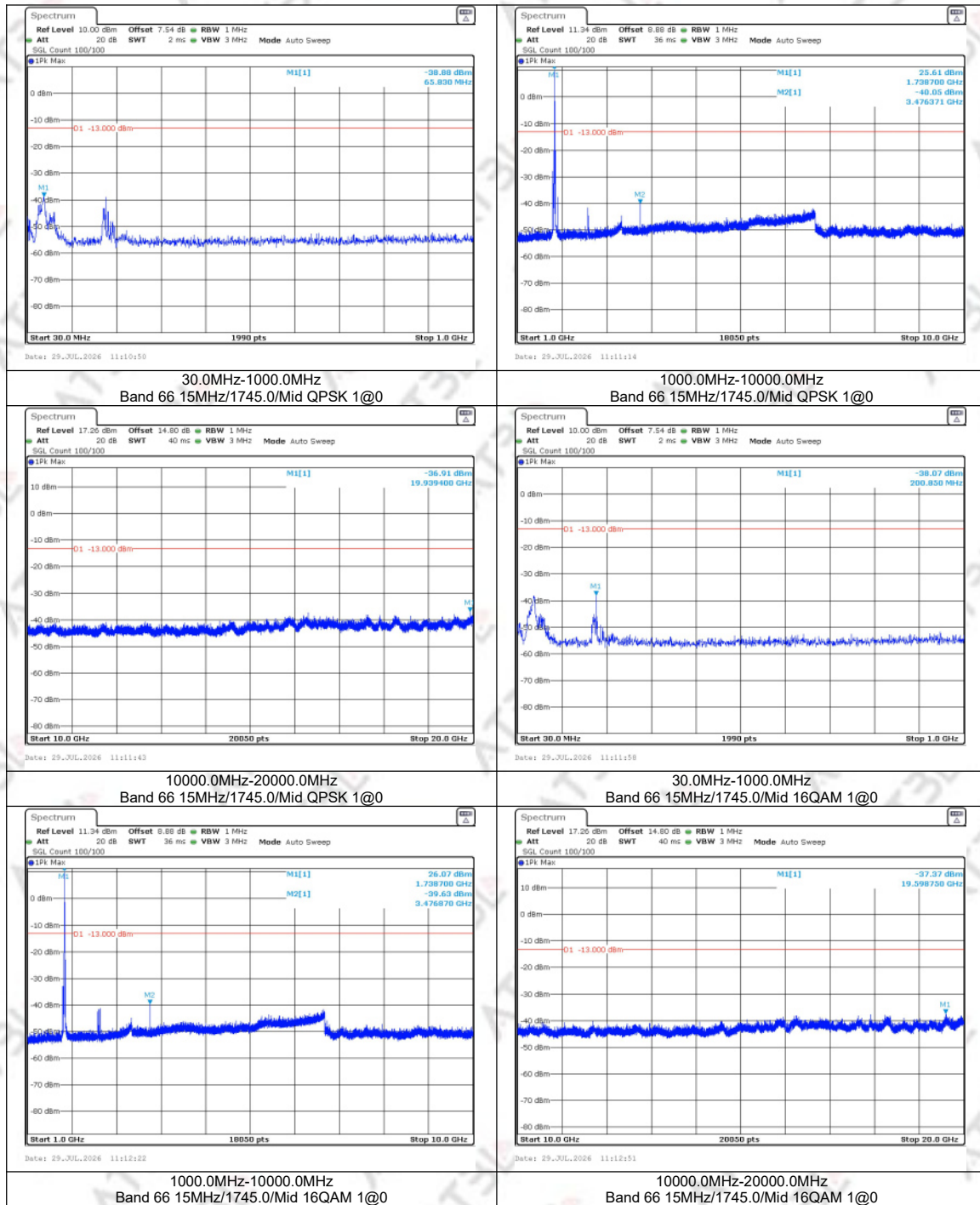


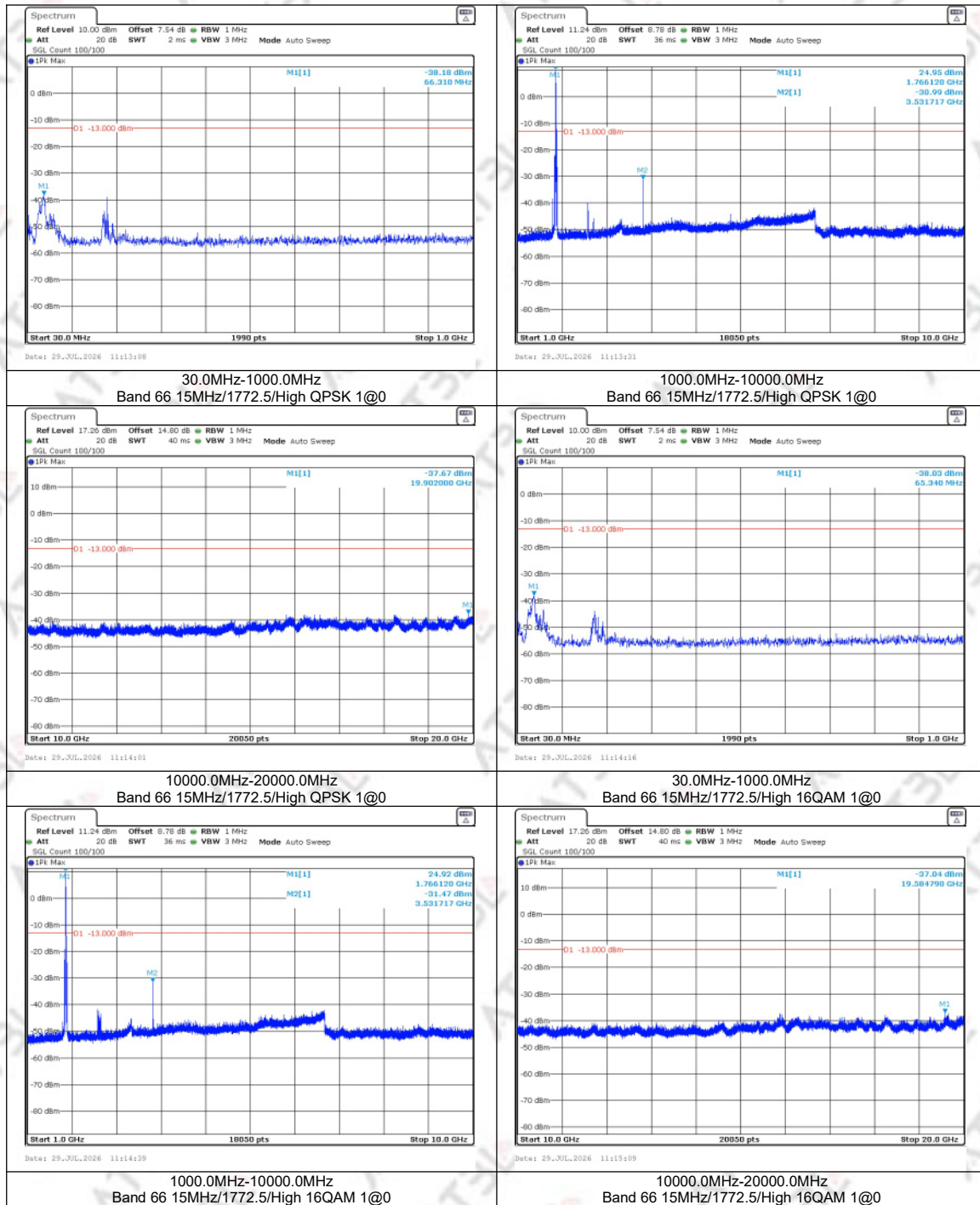


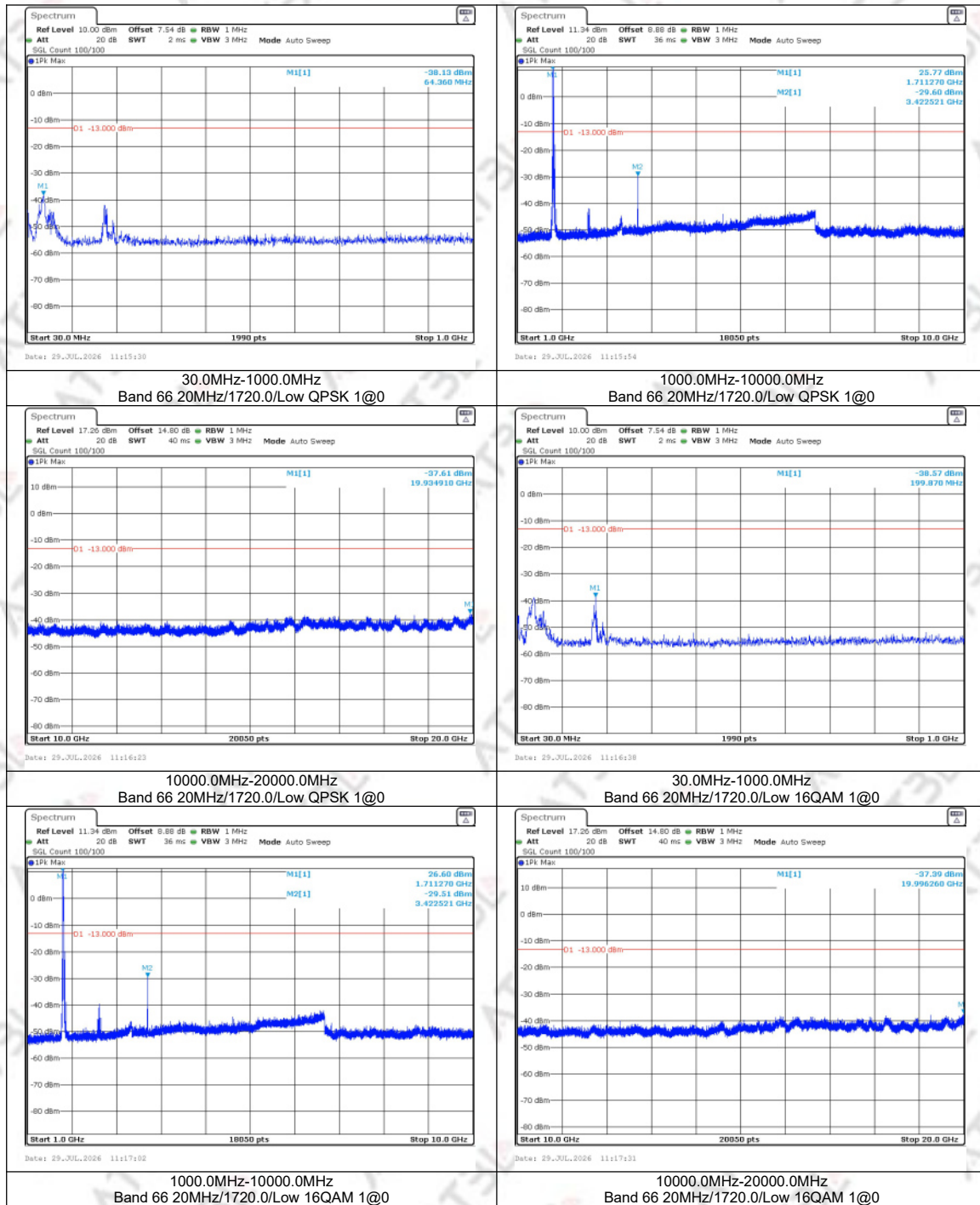


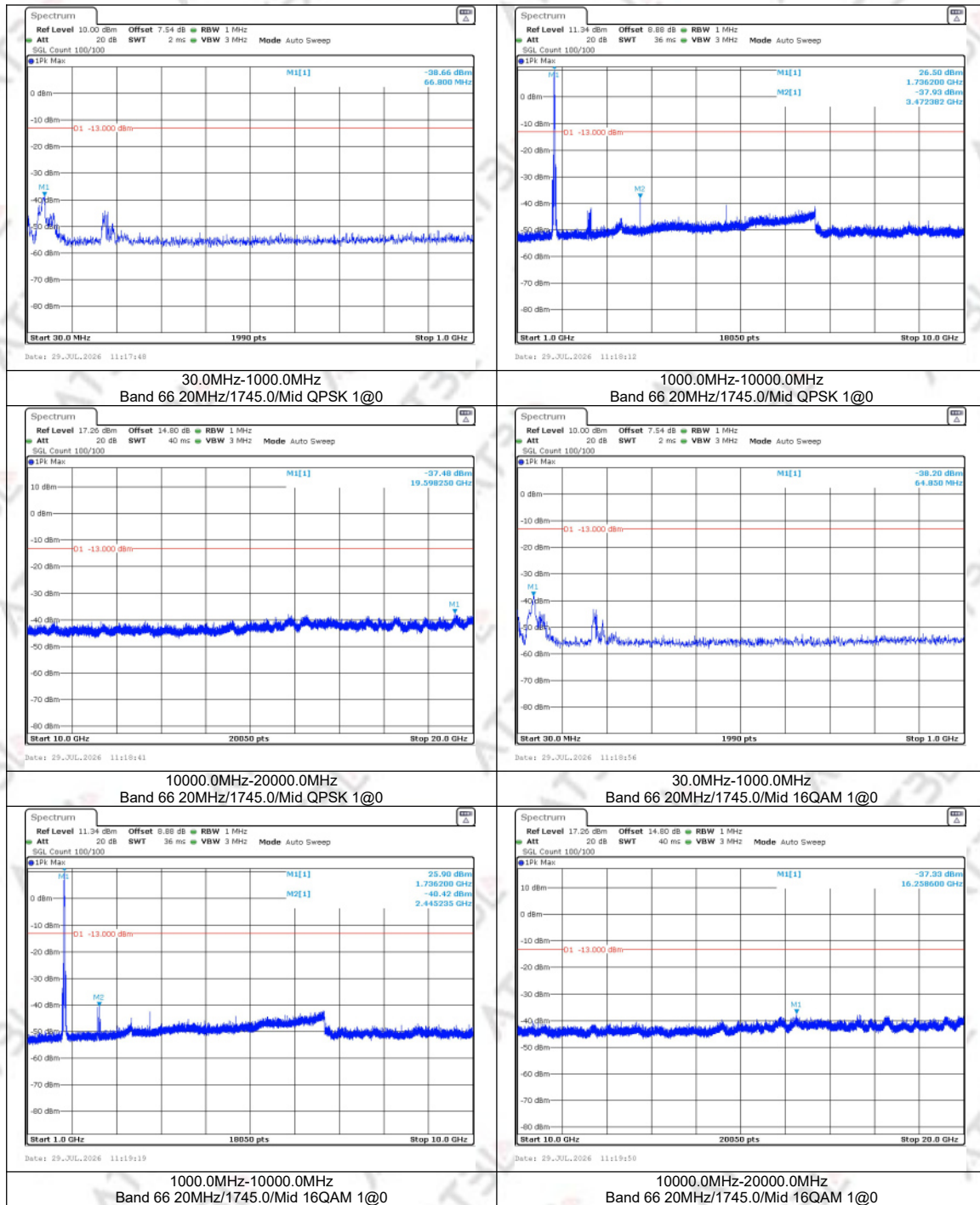


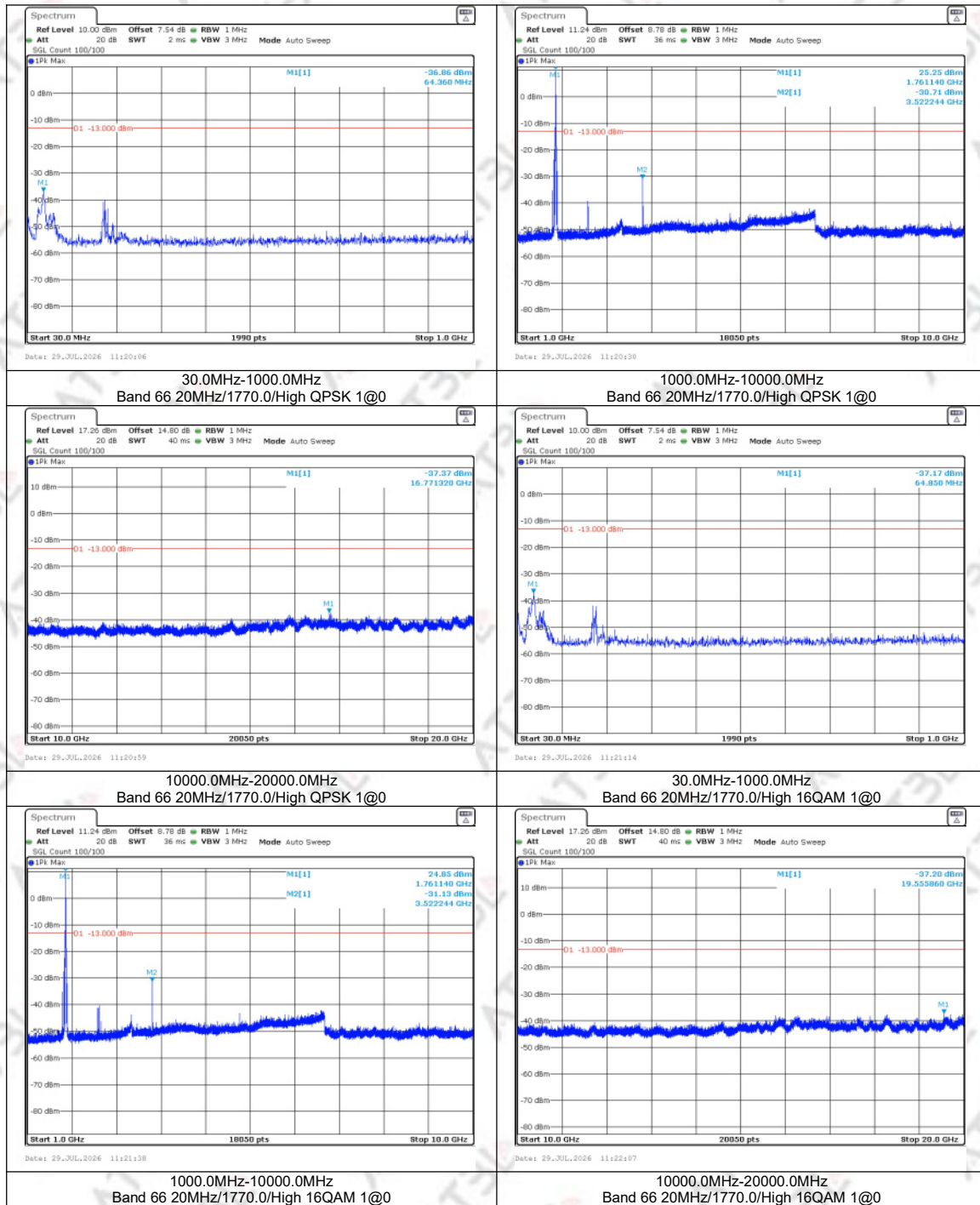












6.Frequency Stability-TN/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
66	1.4	131979	1710.7	QPSK	6@0	-26.99	-0.01578	±2.5	PASS	TN/VN
66	1.4	131979	1710.7	16QAM	6@0	0.31	0.00018	±2.5	PASS	TN/VN
66	1.4	132322	1745.0	QPSK	6@0	-25.18	-0.01443	±2.5	PASS	TN/VN
66	1.4	132322	1745.0	16QAM	6@0	-8.94	-0.00512	±2.5	PASS	TN/VN
66	1.4	132665	1779.3	QPSK	6@0	-2.43	-0.00137	±2.5	PASS	TN/VN
66	1.4	132665	1779.3	16QAM	6@0	-15.76	-0.00886	±2.5	PASS	TN/VN
66	3.0	131987	1711.5	QPSK	15@0	19.76	0.01154	±2.5	PASS	TN/VN
66	3.0	131987	1711.5	16QAM	15@0	-33.77	-0.01973	±2.5	PASS	TN/VN
66	3.0	132322	1745.0	QPSK	15@0	-33.55	-0.01922	±2.5	PASS	TN/VN
66	3.0	132322	1745.0	16QAM	15@0	-18.0	-0.01031	±2.5	PASS	TN/VN
66	3.0	132657	1778.5	QPSK	15@0	16.82	0.00946	±2.5	PASS	TN/VN
66	3.0	132657	1778.5	16QAM	15@0	-2.5	-0.00141	±2.5	PASS	TN/VN
66	5.0	131997	1712.5	QPSK	25@0	14.58	0.00851	±2.5	PASS	TN/VN
66	5.0	131997	1712.5	16QAM	25@0	-35.96	-0.021	±2.5	PASS	TN/VN
66	5.0	132322	1745.0	QPSK	25@0	-44.3	-0.02539	±2.5	PASS	TN/VN
66	5.0	132322	1745.0	16QAM	25@0	-26.98	-0.01546	±2.5	PASS	TN/VN
66	5.0	132647	1777.5	QPSK	25@0	0.29	0.00016	±2.5	PASS	TN/VN
66	5.0	132647	1777.5	16QAM	25@0	-18.34	-0.01032	±2.5	PASS	TN/VN
66	10.0	132022	1715.0	QPSK	50@0	21.47	0.01252	±2.5	PASS	TN/VN
66	10.0	132022	1715.0	16QAM	50@0	-34.12	-0.01989	±2.5	PASS	TN/VN
66	10.0	132322	1745.0	QPSK	50@0	-37.48	-0.02148	±2.5	PASS	TN/VN
66	10.0	132322	1745.0	16QAM	50@0	-12.23	-0.00701	±2.5	PASS	TN/VN
66	10.0	132622	1775.0	QPSK	50@0	8.77	0.00494	±2.5	PASS	TN/VN
66	10.0	132622	1775.0	16QAM	50@0	-10.83	-0.0061	±2.5	PASS	TN/VN
66	15.0	132047	1717.5	QPSK	75@0	14.29	0.00832	±2.5	PASS	TN/VN
66	15.0	132047	1717.5	16QAM	75@0	-33.07	-0.01926	±2.5	PASS	TN/VN
66	15.0	132322	1745.0	QPSK	75@0	-5.69	-0.00326	±2.5	PASS	TN/VN
66	15.0	132322	1745.0	16QAM	75@0	-8.21	-0.00471	±2.5	PASS	TN/VN
66	15.0	132597	1772.5	QPSK	75@0	-11.07	-0.00625	±2.5	PASS	TN/VN
66	15.0	132597	1772.5	16QAM	75@0	-39.34	-0.02219	±2.5	PASS	TN/VN
66	20.0	132072	1720.0	QPSK	100@0	21.34	0.01241	±2.5	PASS	TN/VN
66	20.0	132072	1720.0	16QAM	100@0	-34.68	-0.02016	±2.5	PASS	TN/VN
66	20.0	132322	1745.0	QPSK	100@0	0.86	0.00049	±2.5	PASS	TN/VN
66	20.0	132322	1745.0	16QAM	100@0	-29.51	-0.01691	±2.5	PASS	TN/VN
66	20.0	132572	1770.0	QPSK	100@0	-7.05	-0.00398	±2.5	PASS	TN/VN
66	20.0	132572	1770.0	16QAM	100@0	-24.95	-0.01409	±2.5	PASS	TN/VN

Frequency Stability-TL/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
66	1.4	131979	1710.7	QPSK	6@0	-12.47	-0.00729	±2.5	PASS	TL/VN
66	1.4	131979	1710.7	16QAM	6@0	1.6	0.00094	±2.5	PASS	TL/VN
66	1.4	132322	1745.0	QPSK	6@0	-8.24	-0.00472	±2.5	PASS	TL/VN
66	1.4	132322	1745.0	16QAM	6@0	-46.23	-0.0265	±2.5	PASS	TL/VN
66	1.4	132665	1779.3	QPSK	6@0	-6.37	-0.00358	±2.5	PASS	TL/VN
66	1.4	132665	1779.3	16QAM	6@0	-45.16	-0.02538	±2.5	PASS	TL/VN
66	3.0	131987	1711.5	QPSK	15@0	-7.2	-0.0042	±2.5	PASS	TL/VN
66	3.0	131987	1711.5	16QAM	15@0	-33.75	-0.01972	±2.5	PASS	TL/VN
66	3.0	132322	1745.0	QPSK	15@0	-5.46	-0.00313	±2.5	PASS	TL/VN
66	3.0	132322	1745.0	16QAM	15@0	-19.37	-0.0111	±2.5	PASS	TL/VN
66	3.0	132657	1778.5	QPSK	15@0	-24.45	-0.01375	±2.5	PASS	TL/VN
66	3.0	132657	1778.5	16QAM	15@0	-5.81	-0.00327	±2.5	PASS	TL/VN
66	5.0	131997	1712.5	QPSK	25@0	0.73	0.00043	±2.5	PASS	TL/VN
66	5.0	131997	1712.5	16QAM	25@0	-8.98	-0.00525	±2.5	PASS	TL/VN
66	5.0	132322	1745.0	QPSK	25@0	3.65	0.00209	±2.5	PASS	TL/VN
66	5.0	132322	1745.0	16QAM	25@0	-29.31	-0.0168	±2.5	PASS	TL/VN
66	5.0	132647	1777.5	QPSK	25@0	-8.75	-0.00493	±2.5	PASS	TL/VN
66	5.0	132647	1777.5	16QAM	25@0	-26.38	-0.01484	±2.5	PASS	TL/VN
66	10.0	132022	1715.0	QPSK	50@0	23.78	0.01386	±2.5	PASS	TL/VN
66	10.0	132022	1715.0	16QAM	50@0	-15.78	-0.0092	±2.5	PASS	TL/VN
66	10.0	132322	1745.0	QPSK	50@0	-41.7	-0.0239	±2.5	PASS	TL/VN
66	10.0	132322	1745.0	16QAM	50@0	-11.29	-0.00647	±2.5	PASS	TL/VN
66	10.0	132622	1775.0	QPSK	50@0	-24.28	-0.01368	±2.5	PASS	TL/VN
66	10.0	132622	1775.0	16QAM	50@0	-22.22	-0.01252	±2.5	PASS	TL/VN
66	15.0	132047	1717.5	QPSK	75@0	-15.72	-0.00915	±2.5	PASS	TL/VN
66	15.0	132047	1717.5	16QAM	75@0	-24.82	-0.01445	±2.5	PASS	TL/VN
66	15.0	132322	1745.0	QPSK	75@0	-13.09	-0.0075	±2.5	PASS	TL/VN
66	15.0	132322	1745.0	16QAM	75@0	-8.75	-0.00502	±2.5	PASS	TL/VN
66	15.0	132597	1772.5	QPSK	75@0	-5.65	-0.00319	±2.5	PASS	TL/VN
66	15.0	132597	1772.5	16QAM	75@0	-27.87	-0.01572	±2.5	PASS	TL/VN
66	20.0	132072	1720.0	QPSK	100@0	12.82	0.00745	±2.5	PASS	TL/VN
66	20.0	132072	1720.0	16QAM	100@0	-42.34	-0.02462	±2.5	PASS	TL/VN
66	20.0	132322	1745.0	QPSK	100@0	-31.4	-0.01799	±2.5	PASS	TL/VN
66	20.0	132322	1745.0	16QAM	100@0	-23.53	-0.01349	±2.5	PASS	TL/VN
66	20.0	132572	1770.0	QPSK	100@0	-6.14	-0.00347	±2.5	PASS	TL/VN
66	20.0	132572	1770.0	16QAM	100@0	-24.83	-0.01403	±2.5	PASS	TL/VN

Frequency Stability-TH/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
66	1.4	131979	1710.7	QPSK	6@0	-16.78	-0.00981	±2.5	PASS	TH/VH
66	1.4	131979	1710.7	16QAM	6@0	-29.65	-0.01733	±2.5	PASS	TH/VH
66	1.4	132322	1745.0	QPSK	6@0	-27.79	-0.01593	±2.5	PASS	TH/VH
66	1.4	132322	1745.0	16QAM	6@0	4.22	0.00242	±2.5	PASS	TH/VH
66	1.4	132665	1779.3	QPSK	6@0	-2.63	-0.00148	±2.5	PASS	TH/VH
66	1.4	132665	1779.3	16QAM	6@0	-24.86	-0.01397	±2.5	PASS	TH/VH
66	3.0	131987	1711.5	QPSK	15@0	13.0	0.0076	±2.5	PASS	TH/VH
66	3.0	131987	1711.5	16QAM	15@0	-35.22	-0.02058	±2.5	PASS	TH/VH
66	3.0	132322	1745.0	QPSK	15@0	-12.76	-0.00731	±2.5	PASS	TH/VH
66	3.0	132322	1745.0	16QAM	15@0	-34.52	-0.01978	±2.5	PASS	TH/VH
66	3.0	132657	1778.5	QPSK	15@0	2.86	0.00161	±2.5	PASS	TH/VH
66	3.0	132657	1778.5	16QAM	15@0	-12.87	-0.00724	±2.5	PASS	TH/VH
66	5.0	131997	1712.5	QPSK	25@0	23.35	0.01363	±2.5	PASS	TH/VH
66	5.0	131997	1712.5	16QAM	25@0	-23.8	-0.0139	±2.5	PASS	TH/VH
66	5.0	132322	1745.0	QPSK	25@0	-20.76	-0.01189	±2.5	PASS	TH/VH
66	5.0	132322	1745.0	16QAM	25@0	-0.3	-0.00017	±2.5	PASS	TH/VH
66	5.0	132647	1777.5	QPSK	25@0	-2.7	-0.00152	±2.5	PASS	TH/VH
66	5.0	132647	1777.5	16QAM	25@0	-22.43	-0.01262	±2.5	PASS	TH/VH
66	10.0	132022	1715.0	QPSK	50@0	18.48	0.01078	±2.5	PASS	TH/VH
66	10.0	132022	1715.0	16QAM	50@0	-27.98	-0.01632	±2.5	PASS	TH/VH
66	10.0	132322	1745.0	QPSK	50@0	-20.07	-0.0115	±2.5	PASS	TH/VH
66	10.0	132322	1745.0	16QAM	50@0	2.29	0.00131	±2.5	PASS	TH/VH
66	10.0	132622	1775.0	QPSK	50@0	-11.83	-0.00666	±2.5	PASS	TH/VH
66	10.0	132622	1775.0	16QAM	50@0	-28.5	-0.01605	±2.5	PASS	TH/VH
66	15.0	132047	1717.5	QPSK	75@0	1.17	0.00068	±2.5	PASS	TH/VH
66	15.0	132047	1717.5	16QAM	75@0	-41.07	-0.02391	±2.5	PASS	TH/VH
66	15.0	132322	1745.0	QPSK	75@0	-41.11	-0.02356	±2.5	PASS	TH/VH
66	15.0	132322	1745.0	16QAM	75@0	-28.81	-0.01651	±2.5	PASS	TH/VH
66	15.0	132597	1772.5	QPSK	75@0	-18.97	-0.0107	±2.5	PASS	TH/VH
66	15.0	132597	1772.5	16QAM	75@0	-44.65	-0.02519	±2.5	PASS	TH/VH
66	20.0	132072	1720.0	QPSK	100@0	-48.72	-0.02833	±2.5	PASS	TH/VH
66	20.0	132072	1720.0	16QAM	100@0	-23.45	-0.01363	±2.5	PASS	TH/VH
66	20.0	132322	1745.0	QPSK	100@0	-23.05	-0.01321	±2.5	PASS	TH/VH
66	20.0	132322	1745.0	16QAM	100@0	-37.94	-0.02174	±2.5	PASS	TH/VH
66	20.0	132572	1770.0	QPSK	100@0	-34.56	-0.01953	±2.5	PASS	TH/VH
66	20.0	132572	1770.0	16QAM	100@0	-17.58	-0.00993	±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
66	1.4	131979	1710.7	QPSK	6@0	-3.52	-0.00206	±2.5	PASS	TH/VL
66	1.4	131979	1710.7	16QAM	6@0	-22.93	-0.0134	±2.5	PASS	TH/VL
66	1.4	132322	1745.0	QPSK	6@0	-18.41	-0.01055	±2.5	PASS	TH/VL
66	1.4	132322	1745.0	16QAM	6@0	-36.08	-0.02067	±2.5	PASS	TH/VL
66	1.4	132665	1779.3	QPSK	6@0	10.64	0.00598	±2.5	PASS	TH/VL
66	1.4	132665	1779.3	16QAM	6@0	-2.89	-0.00162	±2.5	PASS	TH/VL
66	3.0	131987	1711.5	QPSK	15@0	23.73	0.01387	±2.5	PASS	TH/VL
66	3.0	131987	1711.5	16QAM	15@0	-23.82	-0.01392	±2.5	PASS	TH/VL
66	3.0	132322	1745.0	QPSK	15@0	-23.63	-0.01354	±2.5	PASS	TH/VL
66	3.0	132322	1745.0	16QAM	15@0	6.45	0.0037	±2.5	PASS	TH/VL
66	3.0	132657	1778.5	QPSK	15@0	-14.49	-0.00815	±2.5	PASS	TH/VL
66	3.0	132657	1778.5	16QAM	15@0	-28.88	-0.01624	±2.5	PASS	TH/VL
66	5.0	131997	1712.5	QPSK	25@0	-38.84	-0.02268	±2.5	PASS	TH/VL
66	5.0	131997	1712.5	16QAM	25@0	-14.71	-0.00859	±2.5	PASS	TH/VL
66	5.0	132322	1745.0	QPSK	25@0	-6.48	-0.00371	±2.5	PASS	TH/VL
66	5.0	132322	1745.0	16QAM	25@0	-12.75	-0.0073	±2.5	PASS	TH/VL
66	5.0	132647	1777.5	QPSK	25@0	3.08	0.00173	±2.5	PASS	TH/VL
66	5.0	132647	1777.5	16QAM	25@0	-8.35	-0.0047	±2.5	PASS	TH/VL
66	10.0	132022	1715.0	QPSK	50@0	36.31	0.02117	±2.5	PASS	TH/VL
66	10.0	132022	1715.0	16QAM	50@0	-9.33	-0.00544	±2.5	PASS	TH/VL
66	10.0	132322	1745.0	QPSK	50@0	9.51	0.00545	±2.5	PASS	TH/VL
66	10.0	132322	1745.0	16QAM	50@0	-27.82	-0.01594	±2.5	PASS	TH/VL
66	10.0	132622	1775.0	QPSK	50@0	-11.87	-0.00669	±2.5	PASS	TH/VL
66	10.0	132622	1775.0	16QAM	50@0	-37.04	-0.02087	±2.5	PASS	TH/VL
66	15.0	132047	1717.5	QPSK	75@0	13.75	0.008	±2.5	PASS	TH/VL
66	15.0	132047	1717.5	16QAM	75@0	-36.54	-0.02127	±2.5	PASS	TH/VL
66	15.0	132322	1745.0	QPSK	75@0	-14.89	-0.00853	±2.5	PASS	TH/VL
66	15.0	132322	1745.0	16QAM	75@0	-35.45	-0.02031	±2.5	PASS	TH/VL
66	15.0	132597	1772.5	QPSK	75@0	-9.27	-0.00523	±2.5	PASS	TH/VL
66	15.0	132597	1772.5	16QAM	75@0	-26.21	-0.01479	±2.5	PASS	TH/VL
66	20.0	132072	1720.0	QPSK	100@0	-9.53	-0.00554	±2.5	PASS	TH/VL
66	20.0	132072	1720.0	16QAM	100@0	-40.58	-0.0236	±2.5	PASS	TH/VL
66	20.0	132322	1745.0	QPSK	100@0	4.92	0.00282	±2.5	PASS	TH/VL
66	20.0	132322	1745.0	16QAM	100@0	-37.75	-0.02163	±2.5	PASS	TH/VL
66	20.0	132572	1770.0	QPSK	100@0	-32.01	-0.01809	±2.5	PASS	TH/VL
66	20.0	132572	1770.0	16QAM	100@0	-16.77	-0.00947	±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
66	1.4	131979	1710.7	QPSK	6@0	-18.2	-0.01064	±2.5	PASS	TH/VN
66	1.4	131979	1710.7	16QAM	6@0	-24.76	-0.01447	±2.5	PASS	TH/VN
66	1.4	132322	1745.0	QPSK	6@0	-5.08	-0.00291	±2.5	PASS	TH/VN
66	1.4	132322	1745.0	16QAM	6@0	-17.74	-0.01017	±2.5	PASS	TH/VN
66	1.4	132665	1779.3	QPSK	6@0	-29.5	-0.01658	±2.5	PASS	TH/VN
66	1.4	132665	1779.3	16QAM	6@0	-16.82	-0.00945	±2.5	PASS	TH/VN
66	3.0	131987	1711.5	QPSK	15@0	-3.48	-0.00203	±2.5	PASS	TH/VN
66	3.0	131987	1711.5	16QAM	15@0	-6.9	-0.00403	±2.5	PASS	TH/VN
66	3.0	132322	1745.0	QPSK	15@0	-41.57	-0.02382	±2.5	PASS	TH/VN
66	3.0	132322	1745.0	16QAM	15@0	-40.4	-0.02315	±2.5	PASS	TH/VN
66	3.0	132657	1778.5	QPSK	15@0	-15.08	-0.00848	±2.5	PASS	TH/VN
66	3.0	132657	1778.5	16QAM	15@0	-32.92	-0.01851	±2.5	PASS	TH/VN
66	5.0	131997	1712.5	QPSK	25@0	-2.17	-0.00127	±2.5	PASS	TH/VN
66	5.0	131997	1712.5	16QAM	25@0	-44.13	-0.02577	±2.5	PASS	TH/VN
66	5.0	132322	1745.0	QPSK	25@0	-32.74	-0.01876	±2.5	PASS	TH/VN
66	5.0	132322	1745.0	16QAM	25@0	-20.06	-0.01149	±2.5	PASS	TH/VN
66	5.0	132647	1777.5	QPSK	25@0	-0.83	-0.00047	±2.5	PASS	TH/VN
66	5.0	132647	1777.5	16QAM	25@0	-22.0	-0.01238	±2.5	PASS	TH/VN
66	10.0	132022	1715.0	QPSK	50@0	39.27	0.0229	±2.5	PASS	TH/VN
66	10.0	132022	1715.0	16QAM	50@0	-26.46	-0.01543	±2.5	PASS	TH/VN
66	10.0	132322	1745.0	QPSK	50@0	-37.42	-0.02145	±2.5	PASS	TH/VN
66	10.0	132322	1745.0	16QAM	50@0	-5.56	-0.00319	±2.5	PASS	TH/VN
66	10.0	132622	1775.0	QPSK	50@0	-21.16	-0.01192	±2.5	PASS	TH/VN
66	10.0	132622	1775.0	16QAM	50@0	-15.94	-0.00898	±2.5	PASS	TH/VN
66	15.0	132047	1717.5	QPSK	75@0	14.49	0.00844	±2.5	PASS	TH/VN
66	15.0	132047	1717.5	16QAM	75@0	-43.82	-0.02551	±2.5	PASS	TH/VN
66	15.0	132322	1745.0	QPSK	75@0	-7.8	-0.00447	±2.5	PASS	TH/VN
66	15.0	132322	1745.0	16QAM	75@0	-22.07	-0.01265	±2.5	PASS	TH/VN
66	15.0	132597	1772.5	QPSK	75@0	-42.43	-0.02394	±2.5	PASS	TH/VN
66	15.0	132597	1772.5	16QAM	75@0	0.32	0.00018	±2.5	PASS	TH/VN
66	20.0	132072	1720.0	QPSK	100@0	2.85	0.00166	±2.5	PASS	TH/VN
66	20.0	132072	1720.0	16QAM	100@0	-34.5	-0.02006	±2.5	PASS	TH/VN
66	20.0	132322	1745.0	QPSK	100@0	-7.35	-0.00421	±2.5	PASS	TH/VN
66	20.0	132322	1745.0	16QAM	100@0	-33.96	-0.01946	±2.5	PASS	TH/VN
66	20.0	132572	1770.0	QPSK	100@0	-6.07	-0.00343	±2.5	PASS	TH/VN
66	20.0	132572	1770.0	16QAM	100@0	-33.86	-0.01913	±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
66	1.4	131979	1710.7	QPSK	6@0	-20.74	-0.01213	±2.5	PASS	TLVH
66	1.4	131979	1710.7	16QAM	6@0	-24.96	-0.01459	±2.5	PASS	TLVH
66	1.4	132322	1745.0	QPSK	6@0	-5.72	-0.00328	±2.5	PASS	TLVH
66	1.4	132322	1745.0	16QAM	6@0	-16.05	-0.0092	±2.5	PASS	TLVH
66	1.4	132665	1779.3	QPSK	6@0	-29.6	-0.01663	±2.5	PASS	TLVH
66	1.4	132665	1779.3	16QAM	6@0	-10.41	-0.00585	±2.5	PASS	TLVH
66	3.0	131987	1711.5	QPSK	15@0	-6.47	-0.00378	±2.5	PASS	TLVH
66	3.0	131987	1711.5	16QAM	15@0	-47.82	-0.02794	±2.5	PASS	TLVH
66	3.0	132322	1745.0	QPSK	15@0	-30.0	-0.01719	±2.5	PASS	TLVH
66	3.0	132322	1745.0	16QAM	15@0	-23.17	-0.01328	±2.5	PASS	TLVH
66	3.0	132657	1778.5	QPSK	15@0	-23.42	-0.01317	±2.5	PASS	TLVH
66	3.0	132657	1778.5	16QAM	15@0	-46.82	-0.02633	±2.5	PASS	TLVH
66	5.0	131997	1712.5	QPSK	25@0	-38.58	-0.02253	±2.5	PASS	TLVH
66	5.0	131997	1712.5	16QAM	25@0	-26.81	-0.01565	±2.5	PASS	TLVH
66	5.0	132322	1745.0	QPSK	25@0	-20.18	-0.01157	±2.5	PASS	TLVH
66	5.0	132322	1745.0	16QAM	25@0	-40.64	-0.02329	±2.5	PASS	TLVH
66	5.0	132647	1777.5	QPSK	25@0	-8.77	-0.00493	±2.5	PASS	TLVH
66	5.0	132647	1777.5	16QAM	25@0	-29.08	-0.01636	±2.5	PASS	TLVH
66	10.0	132022	1715.0	QPSK	50@0	3.82	0.00223	±2.5	PASS	TLVH
66	10.0	132022	1715.0	16QAM	50@0	-39.94	-0.02329	±2.5	PASS	TLVH
66	10.0	132322	1745.0	QPSK	50@0	-27.01	-0.01548	±2.5	PASS	TLVH
66	10.0	132322	1745.0	16QAM	50@0	-15.42	-0.00884	±2.5	PASS	TLVH
66	10.0	132622	1775.0	QPSK	50@0	-23.42	-0.01319	±2.5	PASS	TLVH
66	10.0	132622	1775.0	16QAM	50@0	-23.46	-0.01322	±2.5	PASS	TLVH
66	15.0	132047	1717.5	QPSK	75@0	2.37	0.00138	±2.5	PASS	TLVH
66	15.0	132047	1717.5	16QAM	75@0	-19.54	-0.01138	±2.5	PASS	TLVH
66	15.0	132322	1745.0	QPSK	75@0	-13.45	-0.00771	±2.5	PASS	TLVH
66	15.0	132322	1745.0	16QAM	75@0	-31.9	-0.01828	±2.5	PASS	TLVH
66	15.0	132597	1772.5	QPSK	75@0	-19.47	-0.01098	±2.5	PASS	TLVH
66	15.0	132597	1772.5	16QAM	75@0	-16.98	-0.00958	±2.5	PASS	TLVH
66	20.0	132072	1720.0	QPSK	100@0	-1.83	-0.00106	±2.5	PASS	TLVH
66	20.0	132072	1720.0	16QAM	100@0	-30.16	-0.01753	±2.5	PASS	TLVH
66	20.0	132322	1745.0	QPSK	100@0	-37.98	-0.02177	±2.5	PASS	TLVH
66	20.0	132322	1745.0	16QAM	100@0	-41.43	-0.02374	±2.5	PASS	TLVH
66	20.0	132572	1770.0	QPSK	100@0	-31.01	-0.01752	±2.5	PASS	TLVH
66	20.0	132572	1770.0	16QAM	100@0	-37.39	-0.02113	±2.5	PASS	TLVH

Frequency Stability-TL/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
66	1.4	131979	1710.7	QPSK	6@0	7.25	0.00424	±2.5	PASS	TL/VL
66	1.4	131979	1710.7	16QAM	6@0	-46.76	-0.02734	±2.5	PASS	TL/VL
66	1.4	132322	1745.0	QPSK	6@0	-23.63	-0.01354	±2.5	PASS	TL/VL
66	1.4	132322	1745.0	16QAM	6@0	4.26	0.00244	±2.5	PASS	TL/VL
66	1.4	132665	1779.3	QPSK	6@0	-10.06	-0.00565	±2.5	PASS	TL/VL
66	1.4	132665	1779.3	16QAM	6@0	-27.17	-0.01527	±2.5	PASS	TL/VL
66	3.0	131987	1711.5	QPSK	15@0	-48.14	-0.02813	±2.5	PASS	TL/VL
66	3.0	131987	1711.5	16QAM	15@0	-43.12	-0.02519	±2.5	PASS	TL/VL
66	3.0	132322	1745.0	QPSK	15@0	-20.38	-0.01168	±2.5	PASS	TL/VL
66	3.0	132322	1745.0	16QAM	15@0	-37.16	-0.0213	±2.5	PASS	TL/VL
66	3.0	132657	1778.5	QPSK	15@0	-3.46	-0.00195	±2.5	PASS	TL/VL
66	3.0	132657	1778.5	16QAM	15@0	-20.77	-0.01168	±2.5	PASS	TL/VL
66	5.0	131997	1712.5	QPSK	25@0	-28.3	-0.01652	±2.5	PASS	TL/VL
66	5.0	131997	1712.5	16QAM	25@0	-12.53	-0.00732	±2.5	PASS	TL/VL
66	5.0	132322	1745.0	QPSK	25@0	-20.79	-0.01191	±2.5	PASS	TL/VL
66	5.0	132322	1745.0	16QAM	25@0	-35.86	-0.02055	±2.5	PASS	TL/VL
66	5.0	132647	1777.5	QPSK	25@0	-4.39	-0.00247	±2.5	PASS	TL/VL
66	5.0	132647	1777.5	16QAM	25@0	-13.75	-0.00773	±2.5	PASS	TL/VL
66	10.0	132022	1715.0	QPSK	50@0	33.03	0.01926	±2.5	PASS	TL/VL
66	10.0	132022	1715.0	16QAM	50@0	-22.75	-0.01326	±2.5	PASS	TL/VL
66	10.0	132322	1745.0	QPSK	50@0	-31.83	-0.01824	±2.5	PASS	TL/VL
66	10.0	132322	1745.0	16QAM	50@0	-14.38	-0.00824	±2.5	PASS	TL/VL
66	10.0	132622	1775.0	QPSK	50@0	5.65	0.00318	±2.5	PASS	TL/VL
66	10.0	132622	1775.0	16QAM	50@0	-12.27	-0.00691	±2.5	PASS	TL/VL
66	15.0	132047	1717.5	QPSK	75@0	7.6	0.00442	±2.5	PASS	TL/VL
66	15.0	132047	1717.5	16QAM	75@0	-40.41	-0.02353	±2.5	PASS	TL/VL
66	15.0	132322	1745.0	QPSK	75@0	-14.46	-0.00829	±2.5	PASS	TL/VL
66	15.0	132322	1745.0	16QAM	75@0	14.58	0.00835	±2.5	PASS	TL/VL
66	15.0	132597	1772.5	QPSK	75@0	-15.28	-0.00862	±2.5	PASS	TL/VL
66	15.0	132597	1772.5	16QAM	75@0	-15.35	-0.00866	±2.5	PASS	TL/VL
66	20.0	132072	1720.0	QPSK	100@0	10.31	0.006	±2.5	PASS	TL/VL
66	20.0	132072	1720.0	16QAM	100@0	-44.12	-0.02565	±2.5	PASS	TL/VL
66	20.0	132322	1745.0	QPSK	100@0	-21.9	-0.01255	±2.5	PASS	TL/VL
66	20.0	132322	1745.0	16QAM	100@0	-9.86	-0.00565	±2.5	PASS	TL/VL
66	20.0	132572	1770.0	QPSK	100@0	-25.94	-0.01465	±2.5	PASS	TL/VL
66	20.0	132572	1770.0	16QAM	100@0	-29.45	-0.01664	±2.5	PASS	TL/VL

Frequency Stability-TN/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
66	1.4	131979	1710.7	QPSK	6@0	-33.2	-0.01941	±2.5	PASS	TN/VH
66	1.4	131979	1710.7	16QAM	6@0	-34.75	-0.02031	±2.5	PASS	TN/VH
66	1.4	132322	1745.0	QPSK	6@0	-40.07	-0.02296	±2.5	PASS	TN/VH
66	1.4	132322	1745.0	16QAM	6@0	1.95	0.00111	±2.5	PASS	TN/VH
66	1.4	132665	1779.3	QPSK	6@0	-3.05	-0.00171	±2.5	PASS	TN/VH
66	1.4	132665	1779.3	16QAM	6@0	-30.74	-0.01728	±2.5	PASS	TN/VH
66	3.0	131987	1711.5	QPSK	15@0	37.52	0.02192	±2.5	PASS	TN/VH
66	3.0	131987	1711.5	16QAM	15@0	-33.56	-0.01961	±2.5	PASS	TN/VH
66	3.0	132322	1745.0	QPSK	15@0	-26.36	-0.01511	±2.5	PASS	TN/VH
66	3.0	132322	1745.0	16QAM	15@0	-41.48	-0.02377	±2.5	PASS	TN/VH
66	3.0	132657	1778.5	QPSK	15@0	-29.35	-0.0165	±2.5	PASS	TN/VH
66	3.0	132657	1778.5	16QAM	15@0	-25.23	-0.01419	±2.5	PASS	TN/VH
66	5.0	131997	1712.5	QPSK	25@0	21.37	0.01248	±2.5	PASS	TN/VH
66	5.0	131997	1712.5	16QAM	25@0	-38.82	-0.02267	±2.5	PASS	TN/VH
66	5.0	132322	1745.0	QPSK	25@0	-2.98	-0.00171	±2.5	PASS	TN/VH
66	5.0	132322	1745.0	16QAM	25@0	-37.75	-0.02163	±2.5	PASS	TN/VH
66	5.0	132647	1777.5	QPSK	25@0	1.46	0.00082	±2.5	PASS	TN/VH
66	5.0	132647	1777.5	16QAM	25@0	-25.62	-0.01441	±2.5	PASS	TN/VH
66	10.0	132022	1715.0	QPSK	50@0	40.31	0.02351	±2.5	PASS	TN/VH
66	10.0	132022	1715.0	16QAM	50@0	-29.34	-0.01711	±2.5	PASS	TN/VH
66	10.0	132322	1745.0	QPSK	50@0	-14.95	-0.00857	±2.5	PASS	TN/VH
66	10.0	132322	1745.0	16QAM	50@0	-37.59	-0.02154	±2.5	PASS	TN/VH
66	10.0	132622	1775.0	QPSK	50@0	-29.08	-0.01638	±2.5	PASS	TN/VH
66	10.0	132622	1775.0	16QAM	50@0	-12.7	-0.00716	±2.5	PASS	TN/VH
66	15.0	132047	1717.5	QPSK	75@0	15.84	0.00922	±2.5	PASS	TN/VH
66	15.0	132047	1717.5	16QAM	75@0	-28.84	-0.01679	±2.5	PASS	TN/VH
66	15.0	132322	1745.0	QPSK	75@0	-12.82	-0.00735	±2.5	PASS	TN/VH
66	15.0	132322	1745.0	16QAM	75@0	-9.38	-0.00538	±2.5	PASS	TN/VH
66	15.0	132597	1772.5	QPSK	75@0	-8.48	-0.00479	±2.5	PASS	TN/VH
66	15.0	132597	1772.5	16QAM	75@0	-35.99	-0.02031	±2.5	PASS	TN/VH
66	20.0	132072	1720.0	QPSK	100@0	30.04	0.01747	±2.5	PASS	TN/VH
66	20.0	132072	1720.0	16QAM	100@0	-31.64	-0.0184	±2.5	PASS	TN/VH
66	20.0	132322	1745.0	QPSK	100@0	-37.55	-0.02152	±2.5	PASS	TN/VH
66	20.0	132322	1745.0	16QAM	100@0	-29.7	-0.01702	±2.5	PASS	TN/VH
66	20.0	132572	1770.0	QPSK	100@0	-14.06	-0.00794	±2.5	PASS	TN/VH
66	20.0	132572	1770.0	16QAM	100@0	-31.97	-0.01806	±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
66	1.4	131979	1710.7	QPSK	6@0	-5.61	-0.00328	±2.5	PASS	TN/VL
66	1.4	131979	1710.7	16QAM	6@0	-12.35	-0.00722	±2.5	PASS	TN/VL
66	1.4	132322	1745.0	QPSK	6@0	-9.94	-0.0057	±2.5	PASS	TN/VL
66	1.4	132322	1745.0	16QAM	6@0	-9.33	-0.00534	±2.5	PASS	TN/VL
66	1.4	132665	1779.3	QPSK	6@0	-9.68	-0.00544	±2.5	PASS	TN/VL
66	1.4	132665	1779.3	16QAM	6@0	-40.05	-0.02251	±2.5	PASS	TN/VL
66	3.0	131987	1711.5	QPSK	15@0	24.75	0.01446	±2.5	PASS	TN/VL
66	3.0	131987	1711.5	16QAM	15@0	-38.81	-0.02268	±2.5	PASS	TN/VL
66	3.0	132322	1745.0	QPSK	15@0	-37.09	-0.02126	±2.5	PASS	TN/VL
66	3.0	132322	1745.0	16QAM	15@0	-45.43	-0.02604	±2.5	PASS	TN/VL
66	3.0	132657	1778.5	QPSK	15@0	-16.99	-0.00956	±2.5	PASS	TN/VL
66	3.0	132657	1778.5	16QAM	15@0	-45.7	-0.0257	±2.5	PASS	TN/VL
66	5.0	131997	1712.5	QPSK	25@0	-6.05	-0.00353	±2.5	PASS	TN/VL
66	5.0	131997	1712.5	16QAM	25@0	-16.91	-0.00987	±2.5	PASS	TN/VL
66	5.0	132322	1745.0	QPSK	25@0	-25.11	-0.01439	±2.5	PASS	TN/VL
66	5.0	132322	1745.0	16QAM	25@0	-43.83	-0.02512	±2.5	PASS	TN/VL
66	5.0	132647	1777.5	QPSK	25@0	-34.75	-0.01955	±2.5	PASS	TN/VL
66	5.0	132647	1777.5	16QAM	25@0	-38.11	-0.02144	±2.5	PASS	TN/VL
66	10.0	132022	1715.0	QPSK	50@0	-17.32	-0.0101	±2.5	PASS	TN/VL
66	10.0	132022	1715.0	16QAM	50@0	-31.53	-0.01838	±2.5	PASS	TN/VL
66	10.0	132322	1745.0	QPSK	50@0	-31.73	-0.01818	±2.5	PASS	TN/VL
66	10.0	132322	1745.0	16QAM	50@0	-0.4	-0.00023	±2.5	PASS	TN/VL
66	10.0	132622	1775.0	QPSK	50@0	-11.47	-0.00646	±2.5	PASS	TN/VL
66	10.0	132622	1775.0	16QAM	50@0	-29.85	-0.01682	±2.5	PASS	TN/VL
66	15.0	132047	1717.5	QPSK	75@0	7.12	0.00415	±2.5	PASS	TN/VL
66	15.0	132047	1717.5	16QAM	75@0	-34.1	-0.01986	±2.5	PASS	TN/VL
66	15.0	132322	1745.0	QPSK	75@0	-21.27	-0.01219	±2.5	PASS	TN/VL
66	15.0	132322	1745.0	16QAM	75@0	-16.06	-0.00921	±2.5	PASS	TN/VL
66	15.0	132597	1772.5	QPSK	75@0	-34.22	-0.0193	±2.5	PASS	TN/VL
66	15.0	132597	1772.5	16QAM	75@0	-20.06	-0.01131	±2.5	PASS	TN/VL
66	20.0	132072	1720.0	QPSK	100@0	-1.73	-0.00101	±2.5	PASS	TN/VL
66	20.0	132072	1720.0	16QAM	100@0	-35.73	-0.02078	±2.5	PASS	TN/VL
66	20.0	132322	1745.0	QPSK	100@0	-20.91	-0.01199	±2.5	PASS	TN/VL
66	20.0	132322	1745.0	16QAM	100@0	-41.38	-0.02372	±2.5	PASS	TN/VL
66	20.0	132572	1770.0	QPSK	100@0	-28.77	-0.01625	±2.5	PASS	TN/VL
66	20.0	132572	1770.0	16QAM	100@0	-23.29	-0.01316	±2.5	PASS	TN/VL

7.Modulation Characteristics

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
66	1.4	131979	1710.7	QPSK	6@0	PASS
66	1.4	131979	1710.7	16QAM	6@0	PASS
66	1.4	132322	1745.0	QPSK	6@0	PASS
66	1.4	132322	1745.0	16QAM	6@0	PASS
66	1.4	132665	1779.3	QPSK	6@0	PASS
66	1.4	132665	1779.3	16QAM	6@0	PASS
66	3.0	131987	1711.5	QPSK	15@0	PASS
66	3.0	131987	1711.5	16QAM	15@0	PASS
66	3.0	132322	1745.0	QPSK	15@0	PASS
66	3.0	132322	1745.0	16QAM	15@0	PASS
66	3.0	132657	1778.5	QPSK	15@0	PASS
66	3.0	132657	1778.5	16QAM	15@0	PASS
66	5.0	131997	1712.5	QPSK	25@0	PASS
66	5.0	131997	1712.5	16QAM	25@0	PASS
66	5.0	132322	1745.0	QPSK	25@0	PASS
66	5.0	132322	1745.0	16QAM	25@0	PASS
66	5.0	132647	1777.5	QPSK	25@0	PASS
66	5.0	132647	1777.5	16QAM	25@0	PASS
66	10.0	132022	1715.0	QPSK	50@0	PASS
66	10.0	132022	1715.0	16QAM	50@0	PASS
66	10.0	132322	1745.0	QPSK	50@0	PASS
66	10.0	132322	1745.0	16QAM	50@0	PASS
66	10.0	132622	1775.0	QPSK	50@0	PASS
66	10.0	132622	1775.0	16QAM	50@0	PASS
66	15.0	132047	1717.5	QPSK	75@0	PASS
66	15.0	132047	1717.5	16QAM	75@0	PASS
66	15.0	132322	1745.0	QPSK	75@0	PASS
66	15.0	132322	1745.0	16QAM	75@0	PASS
66	15.0	132597	1772.5	QPSK	75@0	PASS
66	15.0	132597	1772.5	16QAM	75@0	PASS
66	20.0	132072	1720.0	QPSK	100@0	PASS
66	20.0	132072	1720.0	16QAM	100@0	PASS
66	20.0	132322	1745.0	QPSK	100@0	PASS
66	20.0	132322	1745.0	16QAM	100@0	PASS
66	20.0	132572	1770.0	QPSK	100@0	PASS
66	20.0	132572	1770.0	16QAM	100@0	PASS

Test Graphs

