



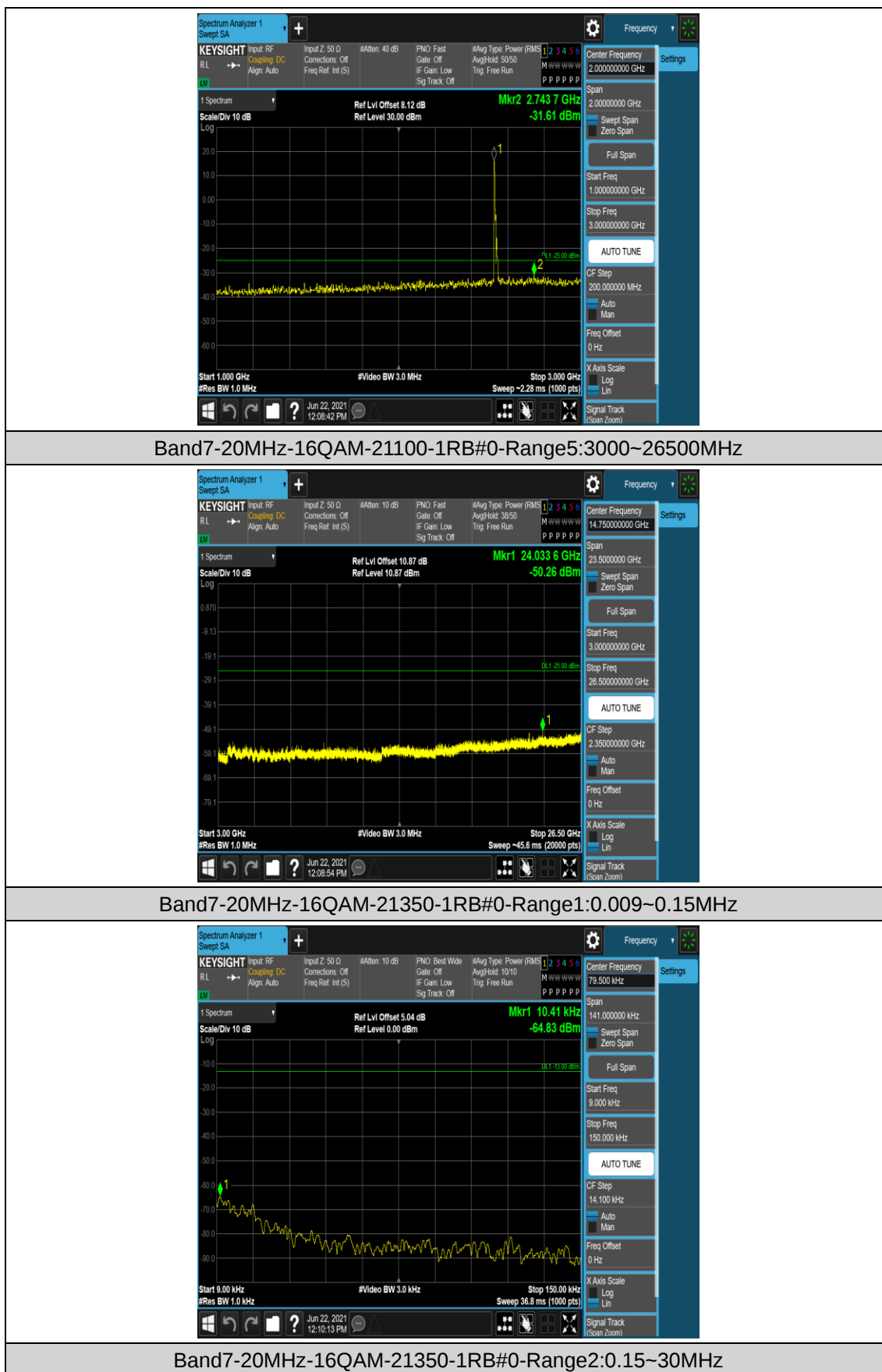
Band7-20MHz-16QAM-21100-1RB#0-Range2:0.15~30MHz

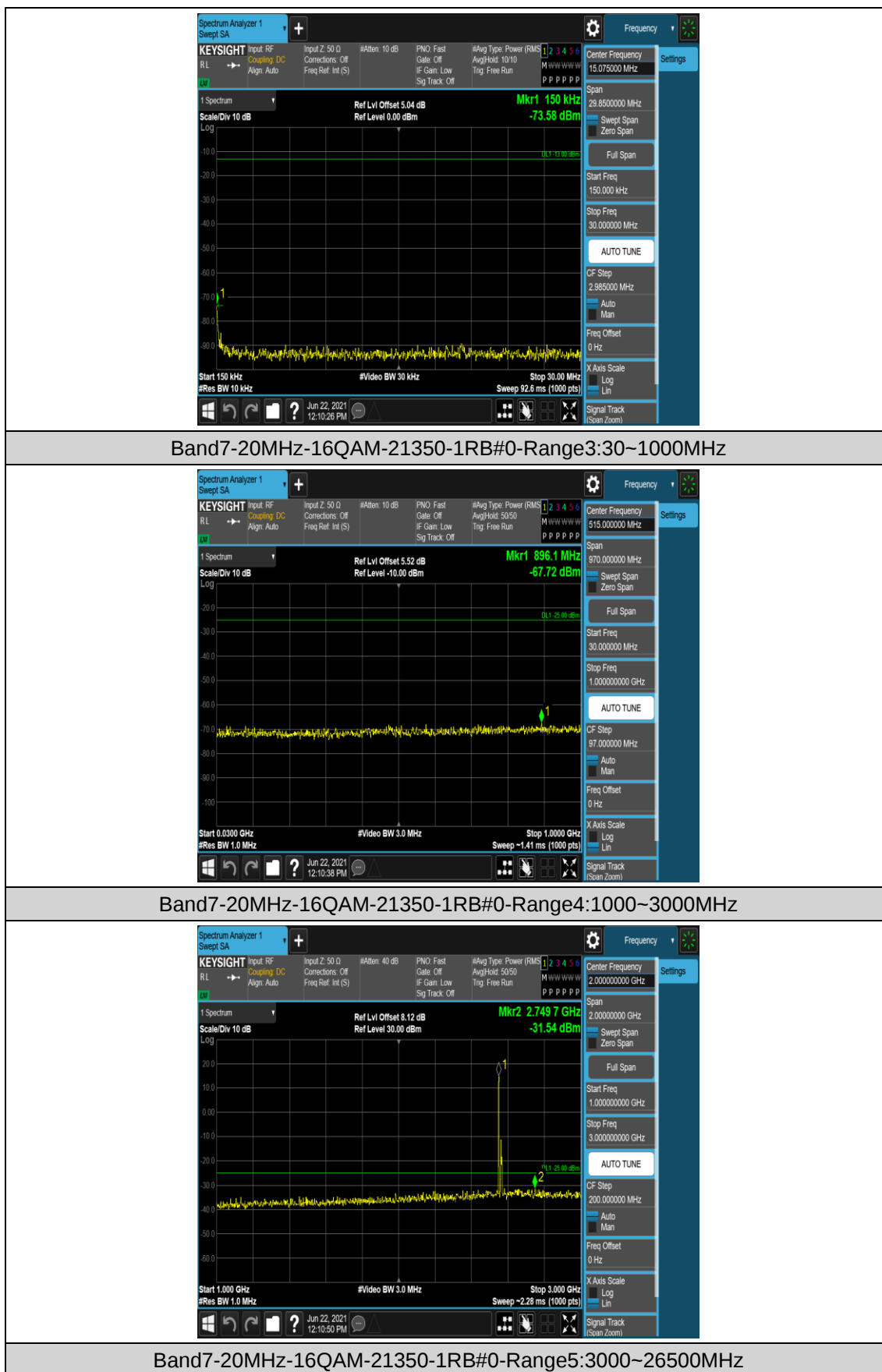


Band7-20MHz-16QAM-21100-1RB#0-Range3:30~1000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range4:1000~3000MHz







Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-8.28	-0.003309	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	20.77	0.008300	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-20.83	-0.008324	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-13.49	-0.005321	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-49.37	-0.019475	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-31.23	-0.012320	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-39.71	-0.015466	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-29.73	-0.011579	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-43.42	-0.016911	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-33.45	-0.013367	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-30.53	-0.012200	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-37.24	-0.014881	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-7.88	-0.003108	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-16.85	-0.006647	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-7.04	-0.002777	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	46.45	0.018092	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	26.19	0.010201	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	31.49	0.012265	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-23.82	-0.009509	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-36.74	-0.014667	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-45.99	-0.018359	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-49.90	-0.019684	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-56.33	-0.022221	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-42.37	-0.016714	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-16.11	-0.006281	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-36.65	-0.014288	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-24.13	-0.009407	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-20.18	-0.008056	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	-16.22	-0.006475	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	-25.65	-0.010240	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-16.98	-0.006698	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-22.49	-0.008872	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-21.92	-0.008647	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VL	NT	7.64	0.002979	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VN	NT	38.91	0.015170	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	24.35	0.009493	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-53.79	-0.021452	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-33.22	-0.013248	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-48.89	-0.019498	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-49.37	-0.019475	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-55.59	-0.021929	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-50.63	-0.019972	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-53.43	-0.020851	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-30.91	-0.012062	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-15.72	-0.006135	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-23.49	-0.009368	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-45.12	-0.017994	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-45.88	-0.018297	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-26.29	-0.010371	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-54.49	-0.021495	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-23.03	-0.009085	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	16.85	0.006576	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	37.29	0.014552	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	32.46	0.012667	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-21.21	-0.008450	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-44.10	-0.017570	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-41.53	-0.016546	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-39.35	-0.015523	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-34.25	-0.013511	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-34.53	-0.013621	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-34.95	-0.013652	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-43.89	-0.017145	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-43.22	-0.016883	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-53.29	-0.021231	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-24.63	-0.009813	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-16.09	-0.006410	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-16.99	-0.006702	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-11.99	-0.004730	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-26.15	-0.010316	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	38.04	0.014859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	7.15	0.002793	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	33.49	0.013082	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-33.30	-0.013307	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-41.81	-0.016707	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-11.07	-0.004424	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-13.55	-0.005415	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-19.27	-0.007700	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-38.19	-0.015065	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-49.74	-0.019621	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	-47.62	-0.018785	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-13.22	-0.005215	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-15.71	-0.006197	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-39.35	-0.015326	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-30.34	-0.011817	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-15.91	-0.006197	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	10.40	0.004051	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	22.56	0.008787	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-36.46	-0.014569	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-37.74	-0.015081	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	9.04	0.003612	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-4.95	-0.001978	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-15.84	-0.006330	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	7.47	0.002947	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	6.02	0.002375	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	7.50	0.002959	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-9.08	-0.003582	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-9.00	-0.003550	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	45.95	0.017897	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-14.13	-0.005503	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-6.82	-0.002656	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	6.68	0.002602	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	13.13	0.005114	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-24.78	-0.009892	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-40.60	-0.016208	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-4.79	-0.001912	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-13.45	-0.005369	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-28.85	-0.011517	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	11.09	0.004375	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	5.15	0.002032	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	0	-10.77	-0.004249	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-9.04	-0.003566	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-14.05	-0.005542	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-17.22	-0.006713	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-8.61	-0.003357	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	18.11	0.007060	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	31.96	0.012460	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	49.51	0.019302	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-28.37	-0.011325	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	-48.48	-0.019353	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	8.20	0.003273	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	-11.47	-0.004579	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-26.31	-0.010503	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	-21.62	-0.008529	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-24.20	-0.009546	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	-28.30	-0.011164	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	-41.66	-0.016434	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	-48.14	-0.018990	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	40.24	0.015688	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	45.39	0.017696	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	44.50	0.017349	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	46.63	0.018179	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	45.65	0.017797	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-44.32	-0.017675	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-35.99	-0.014353	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	5.69	0.002269	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-23.33	-0.009304	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-43.59	-0.017384	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-35.51	-0.014008	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-47.65	-0.018797	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-59.34	-0.023408	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-29.67	-0.011704	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-37.08	-0.014627	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	11.76	0.004589	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	30.77	0.012008	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	23.13	0.009026	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	50.04	0.019528	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	16.01	0.006248	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-25.38	-0.010122	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-48.05	-0.019163	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-22.57	-0.009001	±2.5	PASS

Band7	15MHz	16QAM	20825	75RB#0	NV	10	-49.68	-0.019813	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-30.78	-0.012275	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-35.26	-0.013909	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-54.96	-0.021680	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-5.39	-0.002126	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-22.40	-0.008836	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-38.71	-0.015270	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	49.18	0.019192	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	56.82	0.022174	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	22.14	0.008640	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	25.21	0.009838	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	21.93	0.008558	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-17.51	-0.006976	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-18.60	-0.007410	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-45.06	-0.017952	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-42.79	-0.017048	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-15.15	-0.006036	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-26.79	-0.010568	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-46.23	-0.018237	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-18.32	-0.007227	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-30.64	-0.012087	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-37.51	-0.014797	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-26.36	-0.010297	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	17.37	0.006785	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	55.19	0.021559	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	28.65	0.011191	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	28.80	0.011250	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-47.42	-0.018892	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-45.33	-0.018060	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-6.97	-0.002777	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-42.86	-0.017076	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-38.95	-0.015518	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-44.15	-0.017416	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-26.24	-0.010351	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-50.41	-0.019886	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-9.63	-0.003799	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-34.46	-0.013594	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	17.67	0.006902	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	22.19	0.008668	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	24.42	0.009539	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	23.42	0.009148	±2.5	PASS

Band7	20MHz	16QAM	21350	100RB#0	NV	20	23.30	0.009102	±2.5	PASS
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