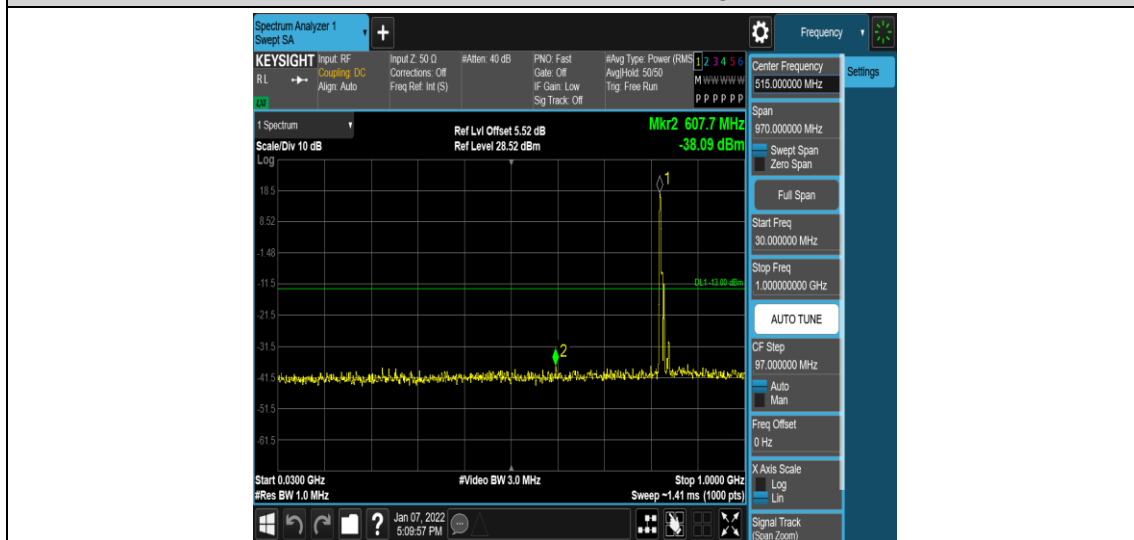




Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



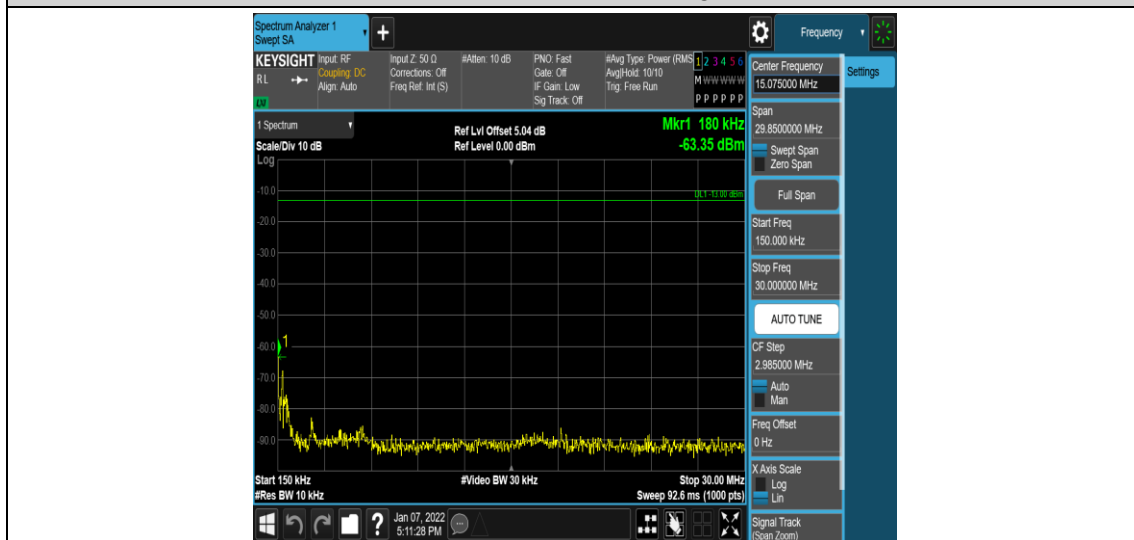
Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



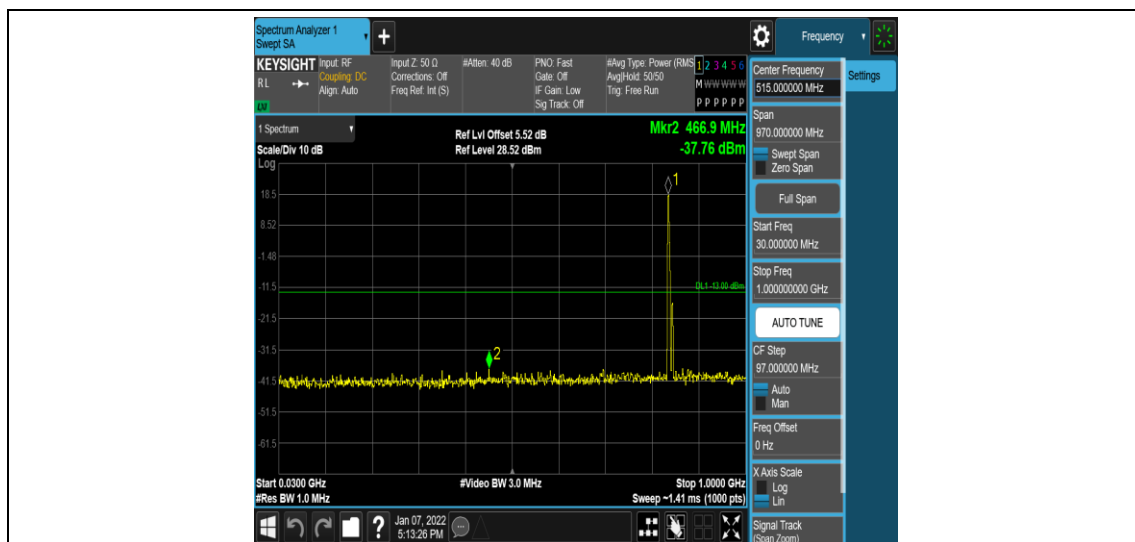
Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



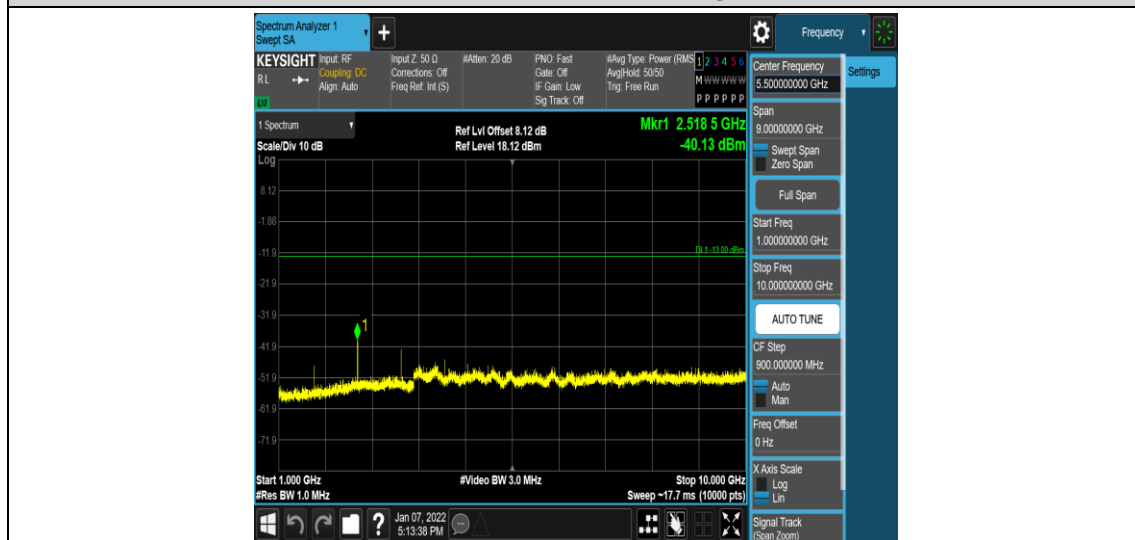
Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



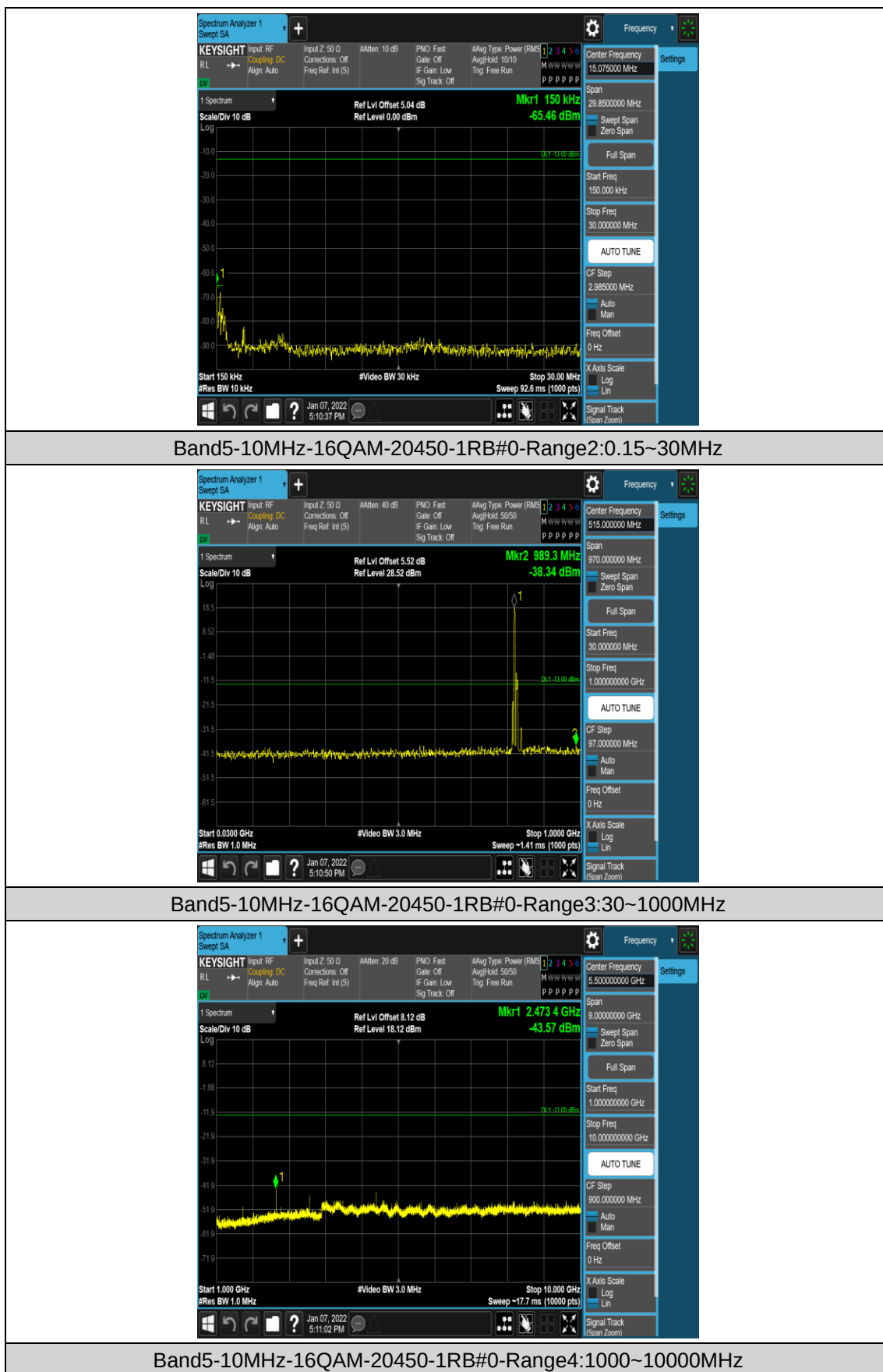
Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz

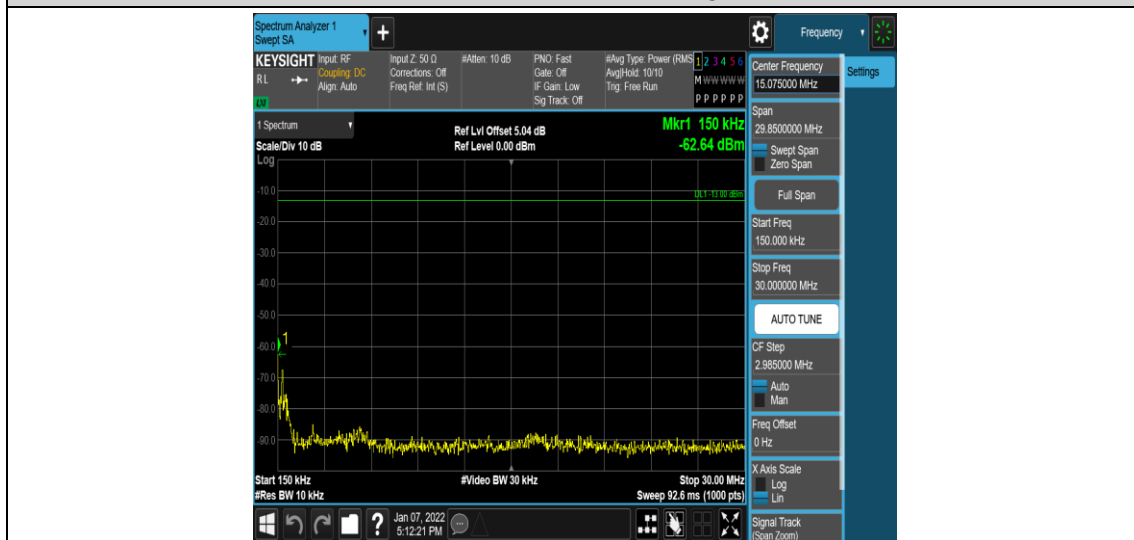


Band5-10MHz-16QAM-20450-1RB#0-Range1:0.009~0.15MHz

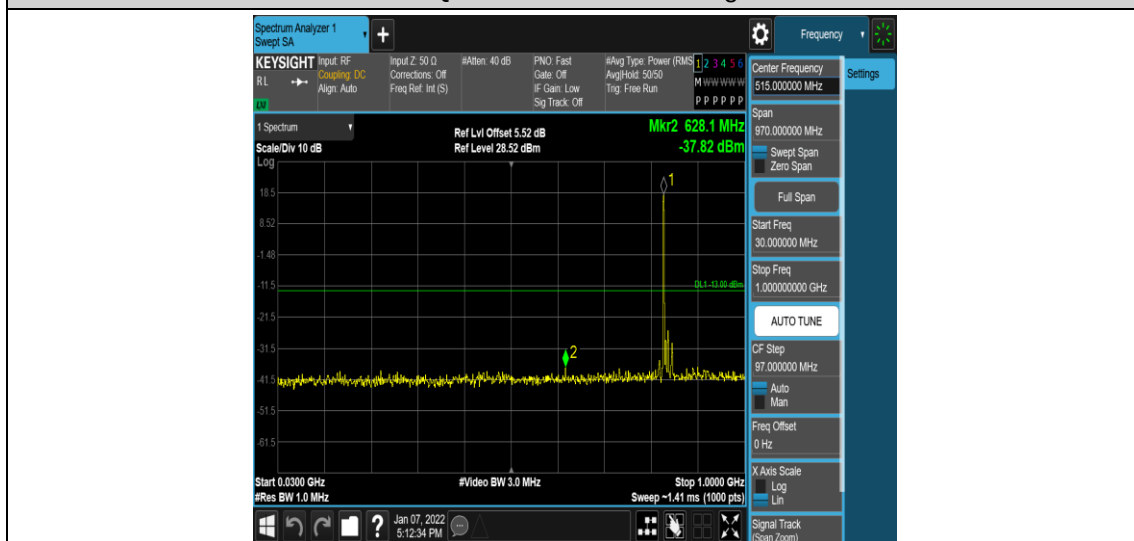




Band5-10MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



Band5-10MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



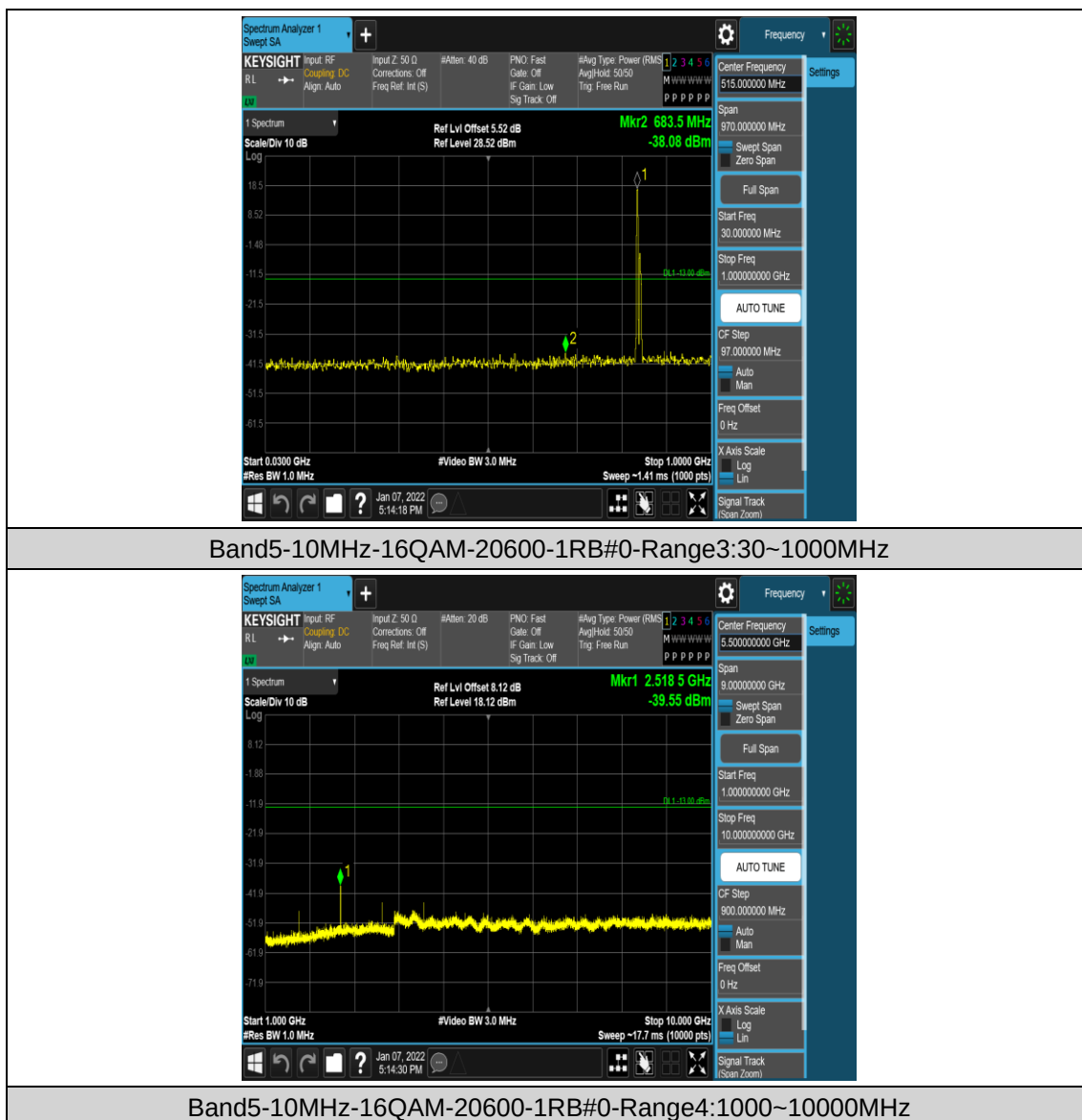
Band5-10MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:0.15~30MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	12.47	0.015121	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	10.74	0.013023	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	15.36	0.018625	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	11.82	0.014130	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	7.12	0.008512	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-9.84	-0.011763	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	19.25	0.022692	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	16.82	0.019828	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	21.72	0.025604	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	18.08	0.021923	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	12.79	0.015509	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	22.82	0.027671	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	32.79	0.039199	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	26.76	0.031990	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	39.27	0.046946	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	41.60	0.049039	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	37.78	0.044536	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	42.72	0.050360	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	15.86	0.019213	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	12.83	0.015542	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	17.72	0.021466	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	14.62	0.017478	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	10.07	0.012038	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	19.30	0.023072	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-9.73	-0.011481	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-10.14	-0.011965	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-14.61	-0.017239	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	13.46	0.016305	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	37.19	0.045051	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	15.34	0.018583	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	33.26	0.039761	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	25.56	0.030556	±2.5	PASS

Band5	3MHz	16QAM	20525	15RB#0	VH	NT	42.01	0.050221	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	26.04	0.030726	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VN	NT	23.22	0.027398	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	29.77	0.035127	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	21.11	0.025541	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	19.91	0.024090	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	23.30	0.028191	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-1.23	-0.001470	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	4.32	0.005164	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-4.25	-0.005081	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-5.71	-0.006745	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-4.85	-0.005729	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-7.21	-0.008517	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	16.04	0.019407	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	6.57	0.007949	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	18.93	0.022904	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-8.81	-0.010532	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-13.85	-0.016557	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	-3.69	-0.004411	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	18.01	0.021276	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	17.68	0.020886	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	21.87	0.025836	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	11.86	0.014306	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	11.86	0.014306	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	14.96	0.018046	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	10.00	0.011955	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	6.15	0.007352	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	10.00	0.011955	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-5.98	-0.007085	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	3.06	0.003626	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-10.66	-0.012630	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	10.04	0.012111	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	6.98	0.008420	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	12.43	0.014994	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-4.56	-0.005451	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-26.99	-0.032265	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	3.25	0.003885	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-14.55	-0.017239	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-14.93	-0.017690	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-11.73	-0.013898	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	18.27	0.022154	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	15.94	0.019328	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-14.42	-0.017485	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-5.74	-0.006960	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	3.66	0.004438	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-22.63	-0.027053	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-6.11	-0.007304	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	3.48	0.004160	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	9.08	0.010855	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	14.55	0.017394	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	24.69	0.029105	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	26.61	0.031369	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	29.95	0.035306	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	32.37	0.038159	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	34.39	0.040540	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	28.50	0.034558	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	36.18	0.043870	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	37.92	0.045980	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	46.26	0.056093	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	5.15	0.006245	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	45.88	0.054848	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	48.22	0.057645	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	9.77	0.011680	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	16.15	0.019307	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	20.89	0.024973	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	45.72	0.053896	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	47.59	0.056100	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	49.00	0.057763	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-28.22	-0.033267	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-22.62	-0.026665	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	16.95	0.020533	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	23.27	0.028189	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	24.43	0.029594	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	28.35	0.034343	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	30.67	0.037153	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	26.25	0.031381	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	25.05	0.029946	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	0	31.23	0.037334	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	35.55	0.042499	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	11.86	0.014178	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-45.33	-0.053487	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	7.08	0.008354	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	9.18	0.010832	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	14.76	0.017416	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	17.45	0.020590	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	25.01	0.030297	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	28.97	0.035094	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	41.10	0.049788	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	44.65	0.054088	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	8.15	0.009873	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	1.90	0.002271	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	10.11	0.012086	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	13.98	0.016712	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	24.68	0.029504	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	28.07	0.033556	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	30.96	0.036531	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	33.50	0.039528	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	36.09	0.042584	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	35.22	0.041558	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	37.18	0.043870	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	29.57	0.035777	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	32.22	0.038984	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	37.58	0.045469	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	42.54	0.051470	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	46.71	0.056515	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-2.09	-0.002499	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	2.95	0.003527	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	4.39	0.005248	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	6.55	0.007830	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	9.81	0.011727	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-44.37	-0.052416	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	9.20	0.010868	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	11.42	0.013491	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	9.07	0.010715	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	12.73	0.015038	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	25.79	0.031204	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-4.33	-0.005239	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	8.70	0.010526	±2.5	PASS

Band5	5MHz	16QAM	20425	25RB#0	NV	10	18.40	0.022263	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	25.35	0.030672	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	2.92	0.003491	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	8.71	0.010412	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	13.73	0.016414	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	14.78	0.017669	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	20.48	0.024483	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	24.95	0.029474	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	25.58	0.030219	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	30.56	0.036102	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	33.70	0.039811	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	34.59	0.040862	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	13.93	0.016803	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	16.78	0.020241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-4.95	-0.005971	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-1.36	-0.001641	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	2.52	0.003040	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	11.07	0.013234	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	11.87	0.014190	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	12.86	0.015374	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	16.35	0.019546	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	16.51	0.019737	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-13.39	-0.015865	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-13.05	-0.015462	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-14.75	-0.017476	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-14.38	-0.017038	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-14.81	-0.017547	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	10.69	0.012895	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	16.57	0.019988	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-30.90	-0.037274	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-21.34	-0.025742	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-15.32	-0.018480	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	10.39	0.012421	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	15.02	0.017956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	20.47	0.024471	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	24.35	0.029109	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	26.68	0.031895	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-13.62	-0.016137	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-10.09	-0.011955	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-7.27	-0.008614	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-7.45	-0.008827	±2.5	PASS

Band5	10MHz	16QAM	20600	50RB#0	NV	20	-6.79	-0.008045	±2.5	PASS
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