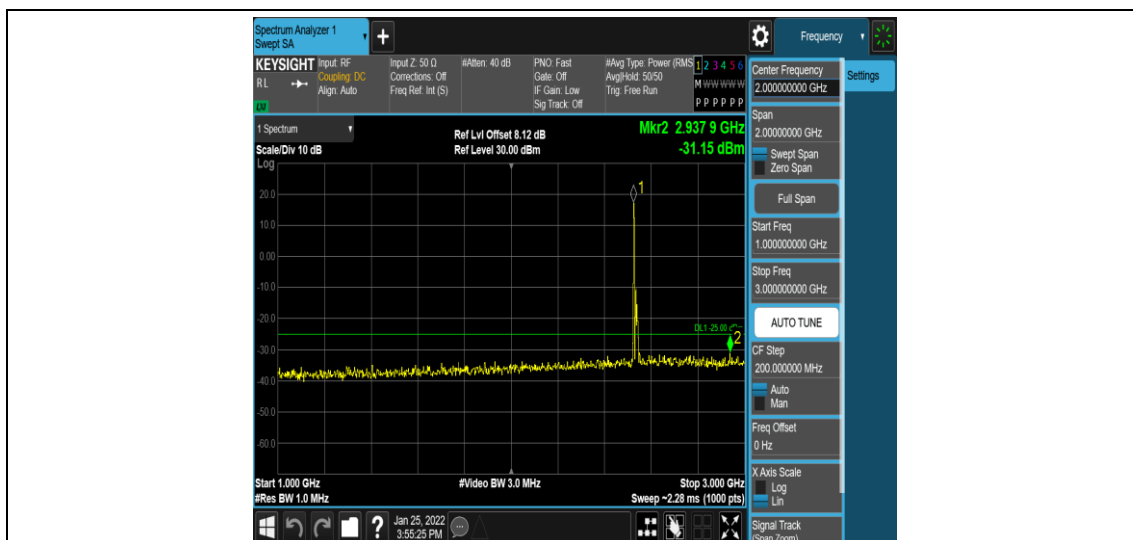




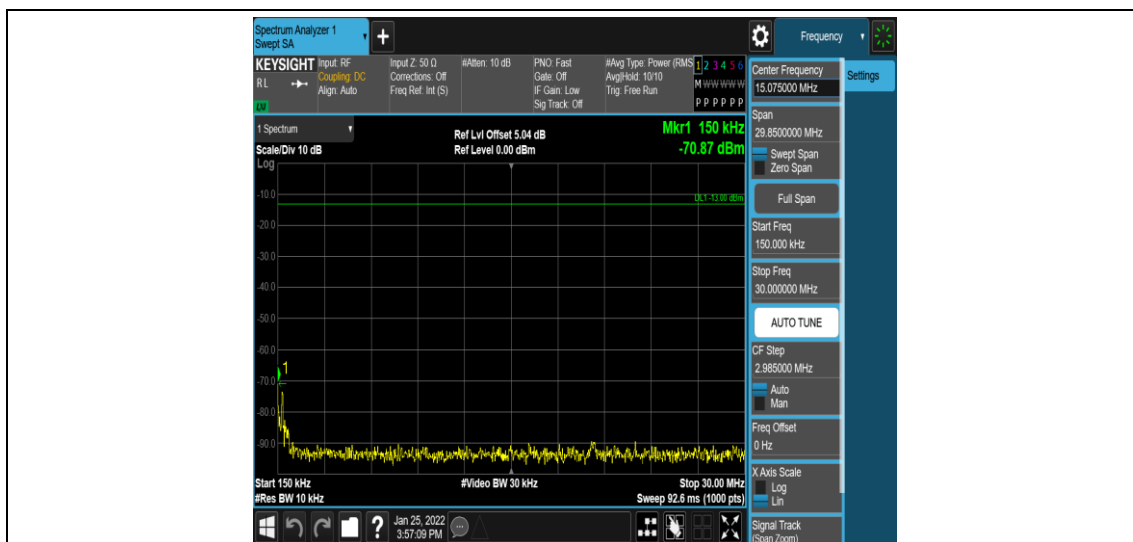
Band7-20MHz-16QAM-21100-1RB#0-Range4:1000~3000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range5:3000~26500MHz



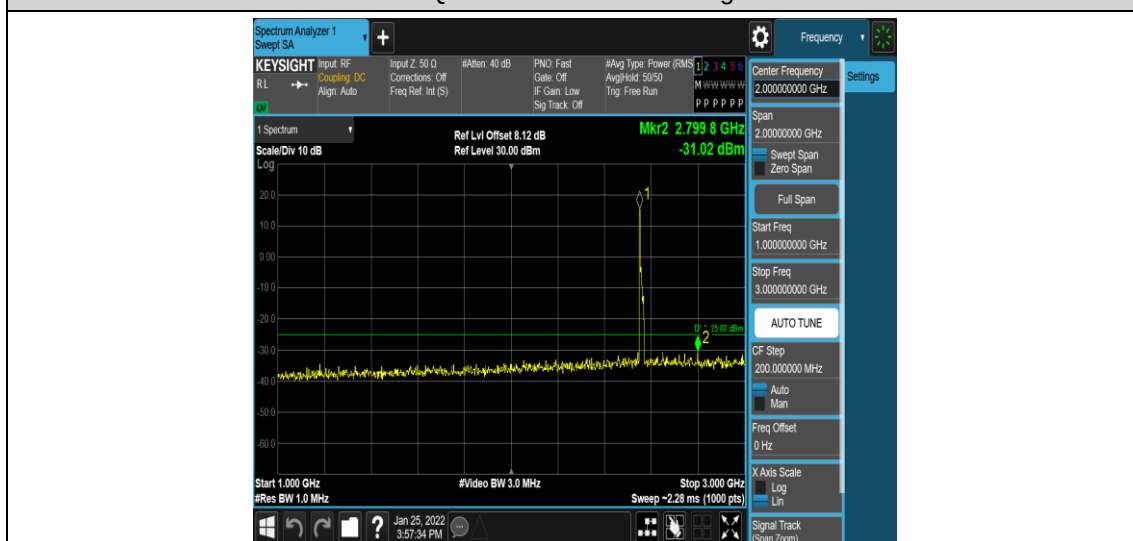
Band7-20MHz-16QAM-21350-1RB#0-Range1:0.009~0.15MHz



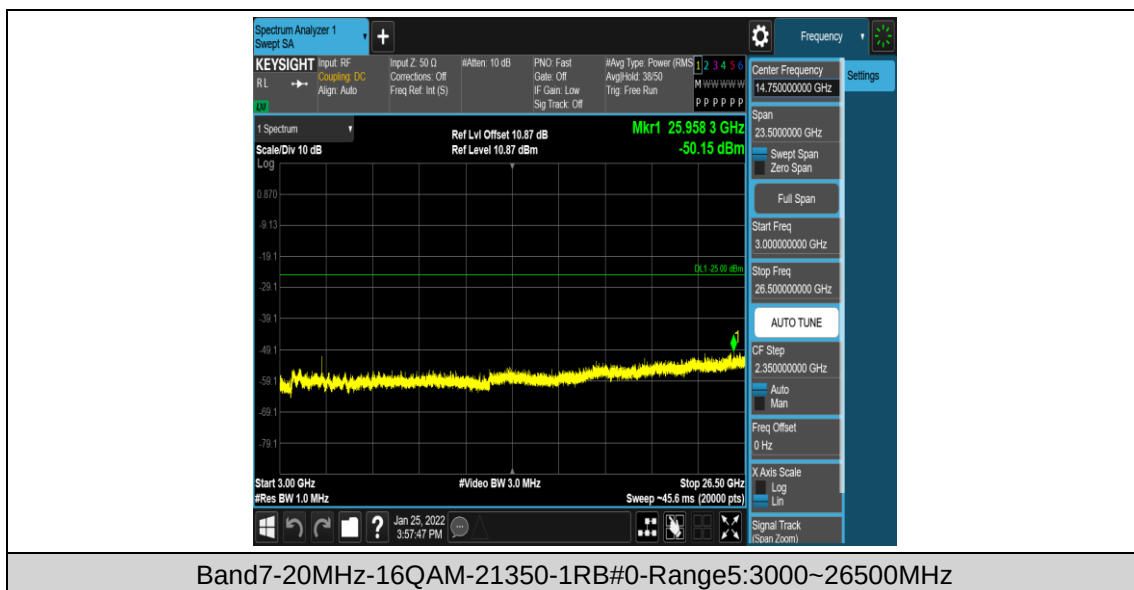
Band7-20MHz-16QAM-21350-1RB#0-Range2:0.15~30MHz



Band7-20MHz-16QAM-21350-1RB#0-Range3:30~1000MHz



Band7-20MHz-16QAM-21350-1RB#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	-3.78	-0.001510	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	8.07	0.003225	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-11.27	-0.004503	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-21.99	-0.008675	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-7.88	-0.003108	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-20.27	-0.007996	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	15.81	0.006158	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	32.34	0.012596	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-4.32	-0.001683	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	9.90	0.003956	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-52.91	-0.021143	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	3.81	0.001522	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	14.63	0.005771	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-37.68	-0.014864	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	19.61	0.007736	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-52.04	-0.020269	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-49.95	-0.019455	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-20.18	-0.007860	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	32.59	0.013010	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	33.10	0.013214	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	35.78	0.014283	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-13.18	-0.005199	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	39.42	0.015550	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-14.15	-0.005582	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	18.63	0.007263	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	28.51	0.011115	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	9.67	0.003770	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-13.79	-0.005505	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	8.80	0.003513	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	-5.75	-0.002295	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-25.39	-0.010016	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-16.75	-0.006607	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-9.28	-0.003661	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	-47.89	-0.018671	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-42.53	-0.016581	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	-35.42	-0.013809	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	26.69	0.010644	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	19.94	0.007952	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	27.12	0.010816	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	35.42	0.013972	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	57.78	0.022793	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	30.28	0.011945	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	30.98	0.012090	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	16.52	0.006447	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	33.73	0.013163	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-39.70	-0.015833	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-34.55	-0.013779	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-36.46	-0.014540	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-11.64	-0.004592	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-12.35	-0.004872	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-5.82	-0.002296	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	-36.62	-0.014291	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	-36.23	-0.014139	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-39.80	-0.015532	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	25.31	0.010084	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	15.81	0.006299	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	24.20	0.009641	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	4.48	0.001767	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	55.45	0.021874	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	10.09	0.003980	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	34.17	0.013348	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	44.29	0.017301	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	15.78	0.006164	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-13.98	-0.005570	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-10.20	-0.004064	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	3.52	0.001402	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-32.04	-0.012639	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-35.35	-0.013945	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-24.32	-0.009594	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-24.20	-0.009453	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-29.74	-0.011617	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-15.35	-0.005996	±2.5	PASS
temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-14.78	-0.005906	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-17.74	-0.007089	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-22.62	-0.009039	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-34.72	-0.013874	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-39.38	-0.015736	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-20.16	-0.007953	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-18.64	-0.007353	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	-11.43	-0.004509	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-20.18	-0.007961	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-22.66	-0.008939	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-12.40	-0.004830	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-18.67	-0.007272	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-29.90	-0.011646	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-34.06	-0.013266	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-40.30	-0.015696	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	12.06	0.004819	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	15.22	0.006082	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	12.90	0.005155	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	8.13	0.003249	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	12.79	0.005111	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	19.93	0.007862	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	28.80	0.011361	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	26.68	0.010525	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	28.62	0.011290	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	33.97	0.013400	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-21.47	-0.008362	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-22.17	-0.008635	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-26.31	-0.010247	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-18.01	-0.007015	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-10.89	-0.004241	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	30.94	0.012351	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	28.60	0.011417	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	21.23	0.008475	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	22.95	0.009162	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	24.81	0.009904	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-10.73	-0.004233	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-15.88	-0.006264	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-16.54	-0.006525	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-18.90	-0.007456	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-27.04	-0.010667	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-7.01	-0.002733	±2.5	PASS

Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-16.94	-0.006604	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-27.81	-0.010842	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-30.86	-0.012031	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-41.18	-0.016055	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	7.47	0.002982	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	18.87	0.007533	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	30.64	0.012232	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	39.50	0.015768	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	44.33	0.017697	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	5.35	0.002110	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	9.46	0.003732	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	15.15	0.005976	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	26.65	0.010513	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	34.90	0.013767	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	-27.91	-0.010881	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	-21.74	-0.008476	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	-9.86	-0.003844	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	10.13	0.003949	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	11.77	0.004589	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	19.93	0.007948	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	4.76	0.001898	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-8.17	-0.003258	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-15.46	-0.006166	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-22.52	-0.008981	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	21.10	0.008323	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	6.58	0.002596	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-14.63	-0.005771	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-22.95	-0.009053	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-33.95	-0.013393	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	27.37	0.010681	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	10.60	0.004137	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-9.38	-0.003660	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-23.72	-0.009257	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-35.65	-0.013912	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-26.04	-0.010385	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-16.35	-0.006520	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-16.04	-0.006397	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	10	5.72	0.002281	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	18.18	0.007250	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	14.32	0.005649	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	23.49	0.009266	±2.5	PASS

Band7	15MHz	16QAM	21100	75RB#0	NV	0	32.59	0.012856	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	33.03	0.013030	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	37.48	0.014785	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-31.89	-0.012445	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-27.37	-0.010681	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-18.87	-0.007364	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	-12.59	-0.004913	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-11.34	-0.004425	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	21.49	0.008562	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	17.58	0.007004	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	10.03	0.003996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	13.07	0.005207	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	7.88	0.003139	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	7.88	0.003108	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-10.51	-0.004146	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-15.08	-0.005949	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-27.29	-0.010765	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-36.01	-0.014205	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-9.31	-0.003637	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-25.12	-0.009813	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-41.11	-0.016059	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.45	0.002129	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-18.47	-0.007215	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	13.13	0.005231	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	21.14	0.008422	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	26.74	0.010653	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	34.83	0.013876	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	38.01	0.015143	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-14.76	-0.005822	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-5.44	-0.002146	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	15.12	0.005964	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	20.28	0.008000	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	30.93	0.012201	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-3.91	-0.001527	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-7.14	-0.002789	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	8.01	0.003129	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	21.37	0.008348	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	20.79	0.008121	±2.5	PASS