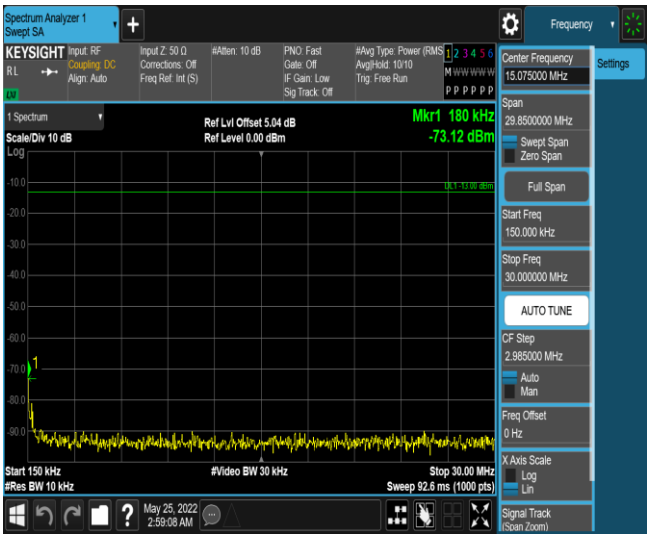
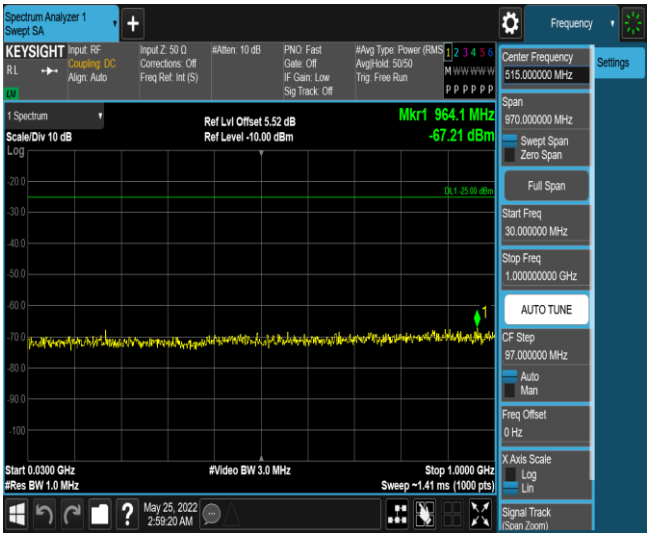
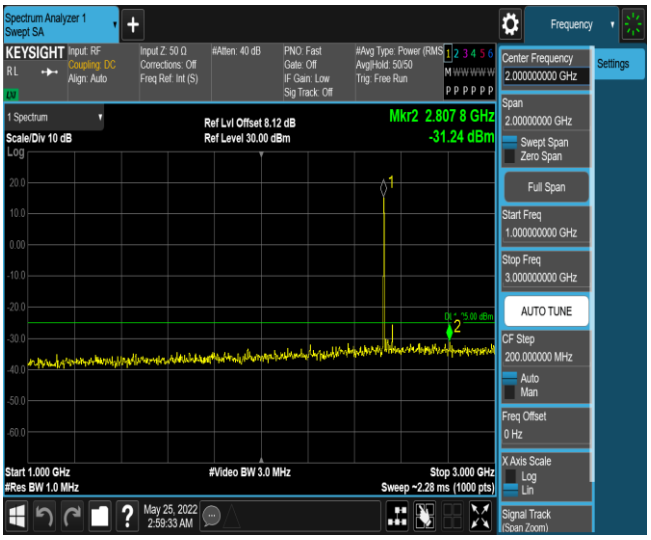


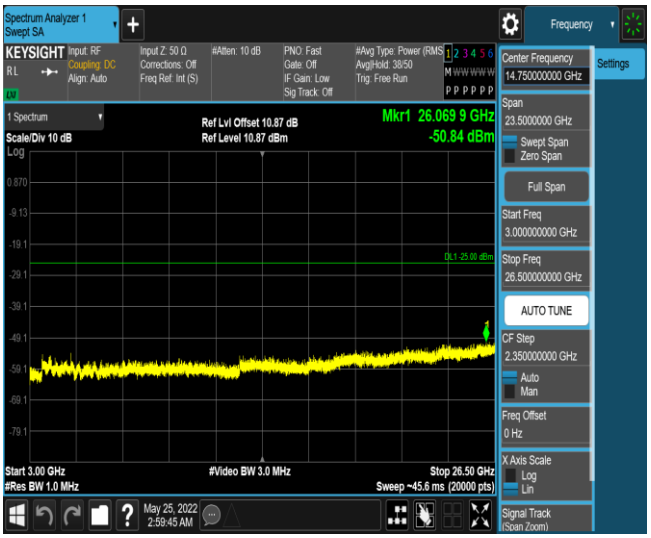
Band7-20MHz-16QAM-21100-1RB#0-Range2:0.15~30MHz



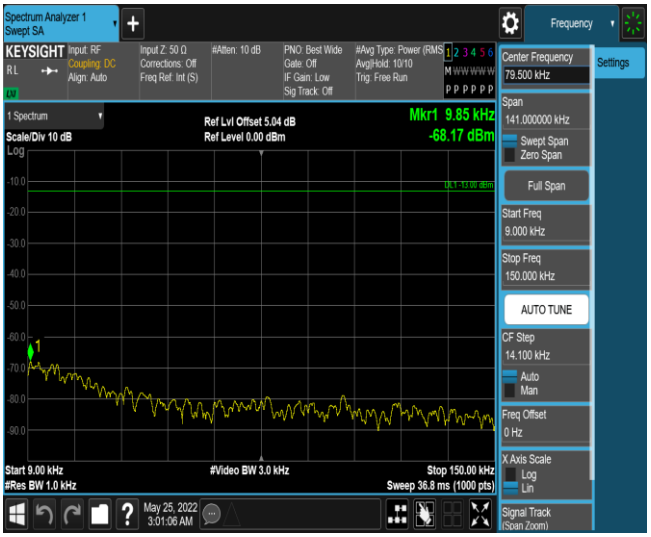
Band7-20MHz-16QAM-21100-1RB#0-Range3:30~1000MHz



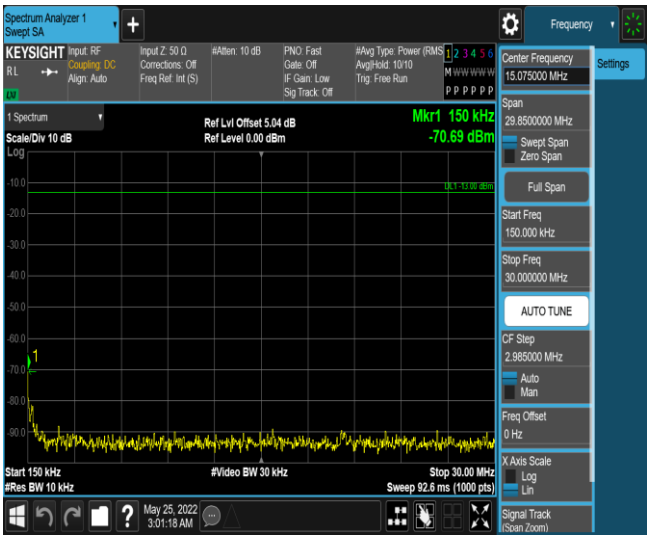
Band7-20MHz-16QAM-21100-1RB#0-Range4:1000~3000MHz



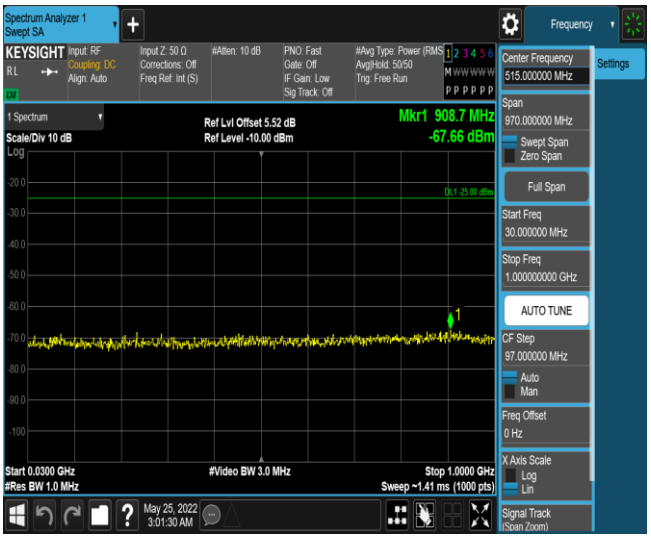
Band7-20MHz-16QAM-21100-1RB#0-Range5:3000~26500MHz



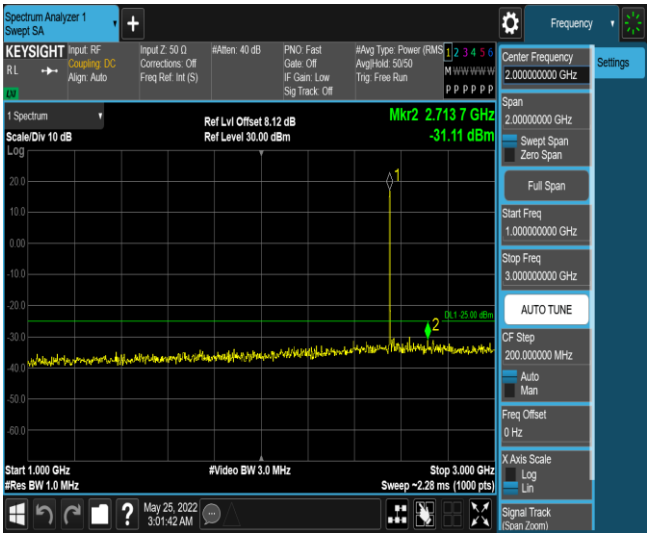
Band7-20MHz-16QAM-21350-1RB#0-Range1:0.009~0.15MHz



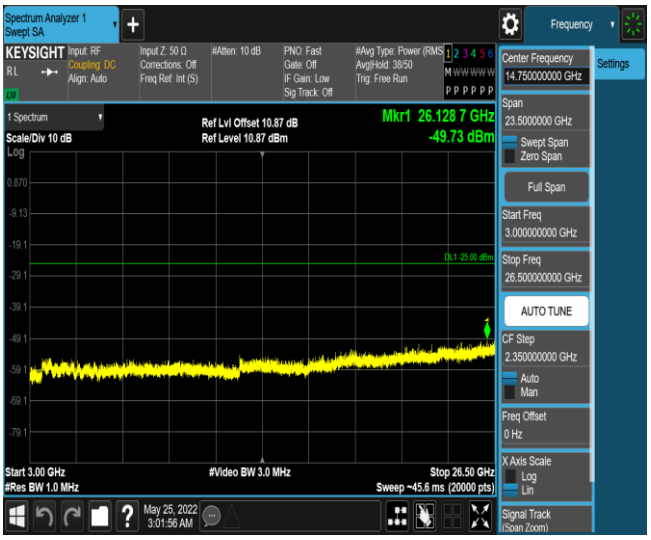
Band7-20MHz-16QAM-21350-1RB#0-Range2:0.15~30MHz



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



Band7-20MHz-16QAM-21350-1RB#0-Range4:1000~3000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range5:3000~26500MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-14.09	-0.005630	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	2.73	0.001091	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	8.25	0.003297	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-14.71	-0.005803	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-20.43	-0.008059	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-11.67	-0.004604	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-19.01	-0.007404	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-14.71	-0.005729	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	8.58	0.003342	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	10.20	0.004076	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-11.66	-0.004659	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-9.77	-0.003904	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-10.67	-0.004209	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	5.61	0.002213	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-13.92	-0.005491	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-17.77	-0.006921	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-14.51	-0.005651	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-11.06	-0.004308	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-21.27	-0.008491	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-25.55	-0.010200	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-19.66	-0.007848	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-18.21	-0.007183	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-13.29	-0.005243	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-7.32	-0.002888	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-13.00	-0.005068	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-11.74	-0.004577	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-17.17	-0.006694	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-17.57	-0.007014	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	-16.21	-0.006471	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	7.97	0.003182	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	10.81	0.004264	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-12.19	-0.004809	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-11.76	-0.004639	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	-14.41	-0.005618	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-13.16	-0.005131	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	-18.81	-0.007333	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-10.29	-0.004104	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-5.41	-0.002158	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-16.31	-0.006504	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-12.56	-0.004955	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-10.70	-0.004221	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	6.21	0.002450	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	4.11	0.001604	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-20.14	-0.007860	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-2.78	-0.001085	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-13.09	-0.005220	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-10.51	-0.004191	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-3.98	-0.001587	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-13.90	-0.005483	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	13.50	0.005325	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-19.48	-0.007684	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	-10.89	-0.004250	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	-16.48	-0.006431	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-14.91	-0.005819	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-10.10	-0.004024	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-20.30	-0.008088	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-22.60	-0.009004	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-15.29	-0.006032	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-15.05	-0.005937	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-12.25	-0.004832	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-22.09	-0.008629	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-24.88	-0.009719	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-14.88	-0.005813	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-16.55	-0.006594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-21.20	-0.008446	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-12.33	-0.004912	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-16.31	-0.006434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-14.88	-0.005870	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	11.32	0.004465	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-22.03	-0.008605	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-20.87	-0.008152	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-11.64	-0.004547	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-7.05	-0.002817	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	11.46	0.004579	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-12.35	-0.004935	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-14.19	-0.005670	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-5.11	-0.002042	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-15.86	-0.006256	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-14.49	-0.005716	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	5.19	0.002047	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-15.64	-0.006170	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-11.62	-0.004584	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-8.60	-0.003350	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	10.31	0.004016	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	8.70	0.003389	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-15.71	-0.006119	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-10.77	-0.004195	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-11.46	-0.004579	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-7.75	-0.003097	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-11.00	-0.004396	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-15.32	-0.006122	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-20.28	-0.008104	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-11.29	-0.004454	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	10.89	0.004296	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	8.34	0.003290	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-2.89	-0.001140	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-13.56	-0.005349	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	10.76	0.004191	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	9.83	0.003829	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	12.90	0.005024	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-13.39	-0.005215	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	15.02	0.005850	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-17.04	-0.006802	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-19.60	-0.007824	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-22.97	-0.009170	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-12.16	-0.004854	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-21.76	-0.008687	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-14.55	-0.005740	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-12.86	-0.005073	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	0	9.91	0.003909	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-13.43	-0.005298	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-13.32	-0.005254	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	15.81	0.006164	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-22.47	-0.008760	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-5.52	-0.002152	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-18.63	-0.007263	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-21.07	-0.008214	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-4.35	-0.001737	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	-16.01	-0.006391	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	-19.37	-0.007733	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	5.82	0.002323	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-18.21	-0.007269	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	13.86	0.005467	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-13.15	-0.005187	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	-15.64	-0.006170	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	9.51	0.003751	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	-16.19	-0.006387	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	10.00	0.003899	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	15.01	0.005852	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	-14.38	-0.005606	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-19.48	-0.007595	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	-14.96	-0.005832	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	7.72	0.003079	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	4.18	0.001667	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-9.91	-0.003952	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-10.76	-0.004291	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	-14.06	-0.005607	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-11.50	-0.004536	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	10.84	0.004276	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-14.29	-0.005637	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-17.94	-0.007077	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	10.19	0.004020	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	3.63	0.001417	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	11.89	0.004640	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	6.39	0.002494	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-18.35	-0.007161	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-16.34	-0.006377	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-7.07	-0.002820	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-7.54	-0.003007	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	4.39	0.001751	±2.5	PASS

Band7	15MHz	16QAM	20825	75RB#0	NV	10	-16.16	-0.006445	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-20.91	-0.008339	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-15.48	-0.006107	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	6.25	0.002465	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-14.20	-0.005602	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-13.72	-0.005412	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-16.92	-0.006675	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-2.53	-0.000987	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	5.84	0.002279	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-15.06	-0.005877	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	-15.88	-0.006197	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-19.97	-0.007793	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-18.14	-0.007227	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-13.86	-0.005522	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-14.39	-0.005733	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	11.70	0.004661	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	4.49	0.001789	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-9.60	-0.003787	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-10.03	-0.003957	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-16.44	-0.006485	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-11.72	-0.004623	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-12.89	-0.005085	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	8.40	0.003281	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-24.65	-0.009629	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-23.13	-0.009035	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-15.59	-0.006090	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-13.63	-0.005324	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-18.04	-0.007187	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-9.87	-0.003932	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-8.23	-0.003279	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-16.65	-0.006633	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-17.91	-0.007135	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-15.31	-0.006039	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-8.74	-0.003448	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-14.72	-0.005807	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-16.15	-0.006371	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-11.34	-0.004473	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-13.63	-0.005324	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-21.16	-0.008266	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-15.35	-0.005996	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-15.55	-0.006074	±2.5	PASS

Band7	20MHz	16QAM	21350	100RB#0	NV	20	-16.87	-0.006590	±2.5	PASS