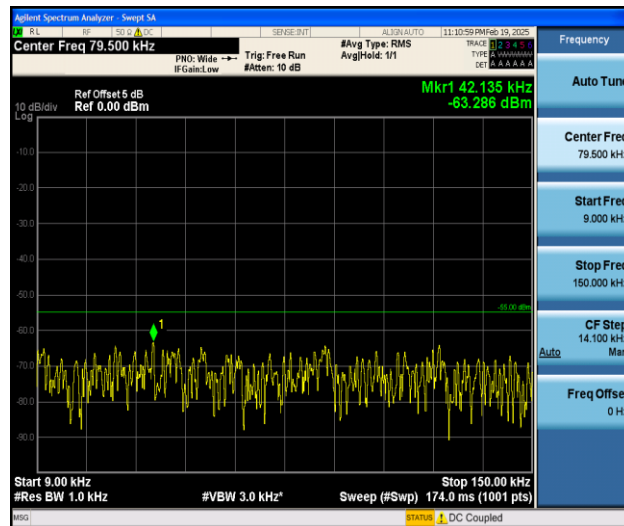




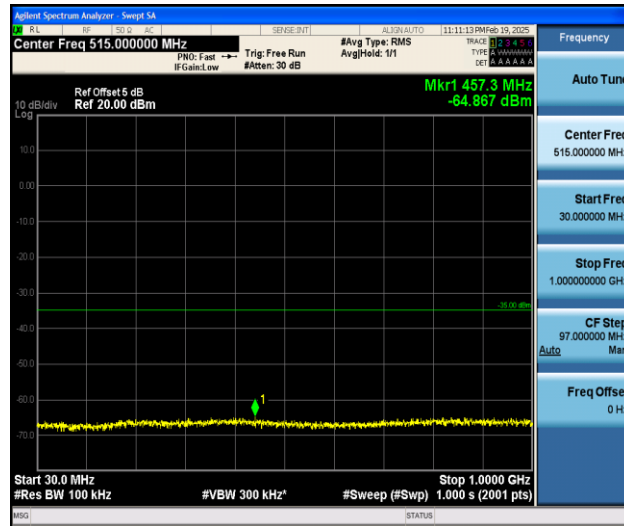
Band7_20MHz_QPSK_21350_1RB#0_20000~27000_20000~27000



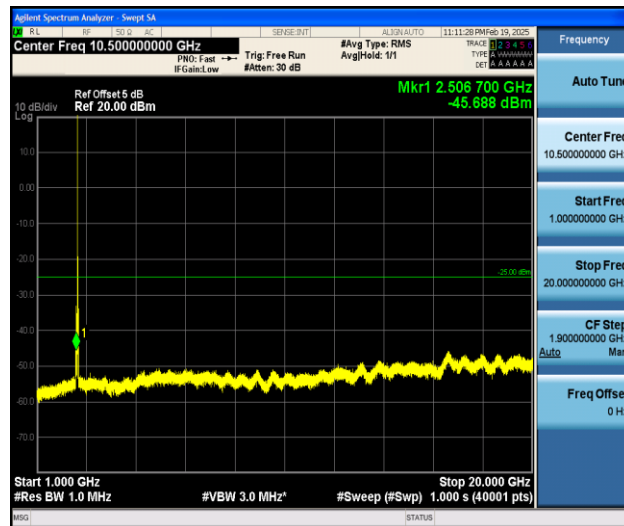
Band7_20MHz_16QAM_21350_1RB#0_0.009~0.15_0.009~0.15



Band7_20MHz_16QAM_21350_1RB#0_0.15~30_0.15~30



Band7_20MHz_16QAM_21350_1RB#0_30~1000_30~1000



Band7_20MHz_16QAM_21350_1RB#0_1000~20000_1000~20000



Band7_20MHz_16QAM_21350_1RB#0_20000~27000_20000~27000

6. Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage					
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-24.13	-0.009642	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	22.30	0.008911	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	25.33	0.010122	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	19.61	0.007836	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-22.23	-0.008883	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-25.38	-0.010142	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-39.50	-0.015582	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-8.53	-0.003365	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	10.03	0.003957	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-20.76	-0.008189	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-24.76	-0.009767	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-26.05	-0.010276	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-27.59	-0.010746	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	23.36	0.009098	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	23.22	0.009044	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	31.31	0.012195	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-23.80	-0.009270	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-24.99	-0.009733	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-25.79	-0.010295	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-11.24	-0.004487	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-10.10	-0.004032	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-49.97	-0.019712	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-22.20	-0.008757	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-24.36	-0.009609	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-28.78	-0.011220	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	22.90	0.008928	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	24.63	0.009602	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	8.37	0.003338	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-9.01	-0.003593	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-10.57	-0.004215	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-27.54	-0.010864	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-27.11	-0.010694	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-25.38	-0.010012	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-26.97	-0.010525	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	21.66	0.008453	±2.5	PASS

Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-27.47	-0.010720	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-27.35	-0.010896	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-19.98	-0.007960	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-22.57	-0.008992	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-29.57	-0.011665	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	21.14	0.008339	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	21.33	0.008414	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-10.54	-0.004117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	22.70	0.008867	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	19.28	0.007531	±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	25.43	0.010162	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	25.51	0.010194	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	23.06	0.009215	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	24.93	0.009962	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	13.90	0.005554	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	11.37	0.004543	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	22.77	0.009099	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	21.70	0.008671	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	26.72	0.010677	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-29.18	-0.011660	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-11.47	-0.004583	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	7.98	0.003189	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-8.94	-0.003572	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-24.16	-0.009654	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-20.83	-0.008324	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	-11.90	-0.004755	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	-20.24	-0.008088	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	-19.07	-0.007620	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-9.74	-0.003842	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	14.83	0.005850	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	9.11	0.003594	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	14.12	0.005570	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	25.09	0.009897	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	22.56	0.008899	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	-14.51	-0.005724	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	-15.51	-0.006118	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	-19.28	-0.007606	±2.5	PASS

Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-26.72	-0.010540	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-22.75	-0.008974	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	-23.17	-0.009140	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-20.86	-0.008229	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-24.83	-0.009795	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-24.62	-0.009712	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	-17.58	-0.006935	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-22.89	-0.009030	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	-26.59	-0.010489	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	21.09	0.008214	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	23.90	0.009309	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	21.54	0.008389	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	23.95	0.009328	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	23.63	0.009204	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	11.67	0.004545	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	22.03	0.008580	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	24.00	0.009348	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	11.73	0.004569	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-23.75	-0.009250	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-27.19	-0.010590	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	-25.66	-0.009994	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-24.45	-0.009523	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-21.39	-0.008331	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-25.03	-0.009749	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	-19.88	-0.007743	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	-25.88	-0.010080	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	-19.34	-0.007533	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	23.07	0.009210	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	22.92	0.009150	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-22.29	-0.008898	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	21.92	0.008750	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-22.83	-0.009114	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	24.89	0.009936	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	17.08	0.006818	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	10.84	0.004327	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	24.43	0.009752	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-22.75	-0.008974	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-23.62	-0.009318	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	-26.04	-0.010272	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-19.31	-0.007617	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-25.96	-0.010241	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	20	-23.39	-0.009227	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	-21.46	-0.008465	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-18.71	-0.007381	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	-22.29	-0.008793	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	26.58	0.010363	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-11.90	-0.004639	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	24.63	0.009602	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	23.55	0.009181	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	23.16	0.009029	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	9.13	0.003559	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	17.97	0.007006	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	25.43	0.009914	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	24.75	0.009649	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-10.90	-0.004347	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-8.34	-0.003326	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	-8.94	-0.003565	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-10.21	-0.004072	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	-8.40	-0.003350	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	6.91	0.002756	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	-8.37	-0.003338	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	-9.16	-0.003653	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	7.90	0.003151	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-22.04	-0.008694	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-26.45	-0.010434	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	-24.98	-0.009854	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-25.92	-0.010225	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-23.39	-0.009227	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-24.78	-0.009775	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	-23.07	-0.009101	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	-22.36	-0.008821	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	-24.82	-0.009791	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	-24.49	-0.009557	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-21.86	-0.008531	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	-22.49	-0.008777	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-26.76	-0.010443	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-23.42	-0.009140	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-24.46	-0.009545	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	-22.30	-0.008702	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	-25.26	-0.009858	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	-23.05	-0.008995	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	10.63	0.004235	±2.5	PASS

Band7	20MHz	QPSK	20850	100RB#0	NV	-20	8.57	0.003414	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	20.50	0.008167	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	15.58	0.006207	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	8.70	0.003466	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	16.61	0.006618	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	9.57	0.003813	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	3.96	0.001578	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	13.45	0.005359	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	18.88	0.007448	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	16.14	0.006367	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	7.95	0.003136	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-9.01	-0.003554	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-22.36	-0.008821	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-12.90	-0.005089	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-7.98	-0.003148	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-13.60	-0.005365	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-19.54	-0.007708	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	17.68	0.006906	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	18.75	0.007324	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	21.33	0.008332	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	21.60	0.008438	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	17.55	0.006855	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	21.70	0.008477	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	19.93	0.007785	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	18.41	0.007191	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	18.80	0.007344	±2.5	PASS