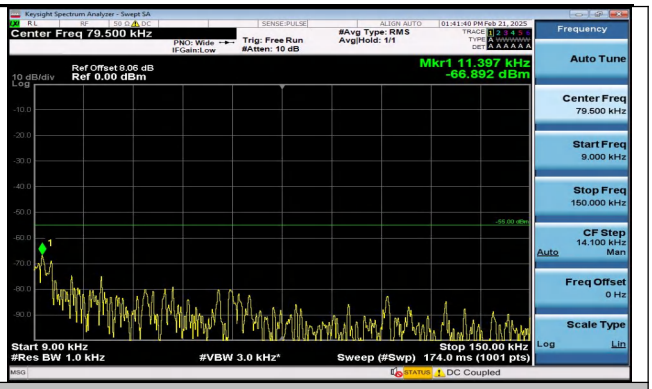
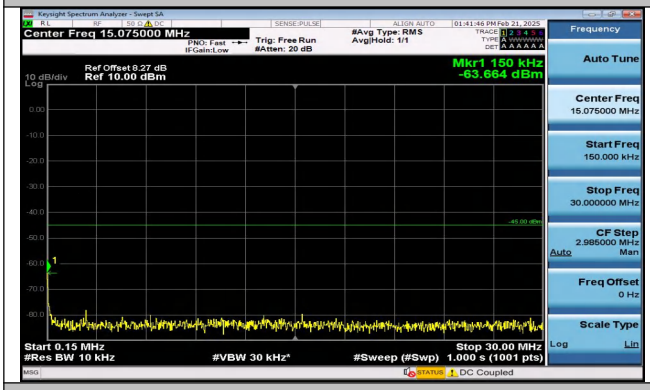
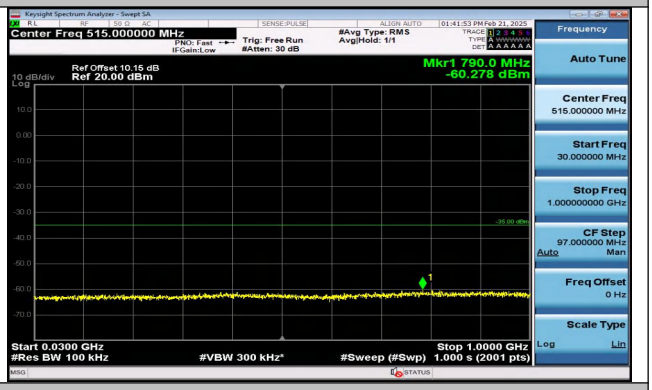
Band7_20MHz_QPSK_21100_1RB#99_20000~27000_20000~27000



Band7_20MHz_QPSK_21100_100RB#0_0.009~0.15_0.009~0.15

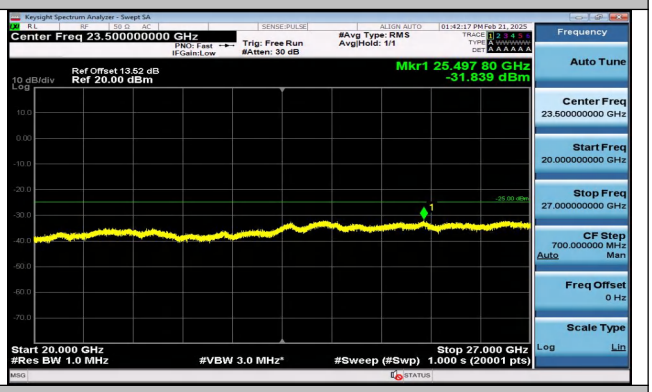


Band7_20MHz_QPSK_21100_100RB#0_0.15~30_0.15~30

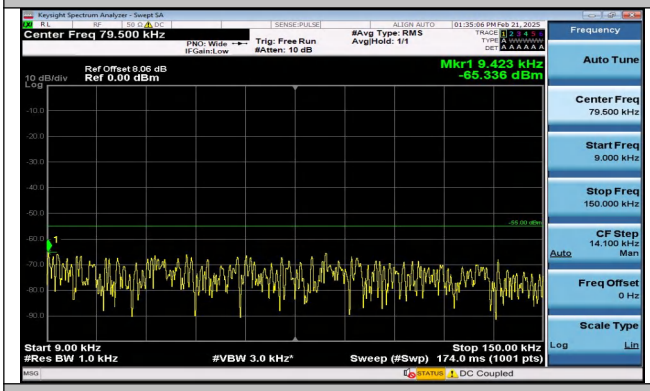


Band7_20MHz_QPSK_21100_100RB#0_30~1000_30~1000

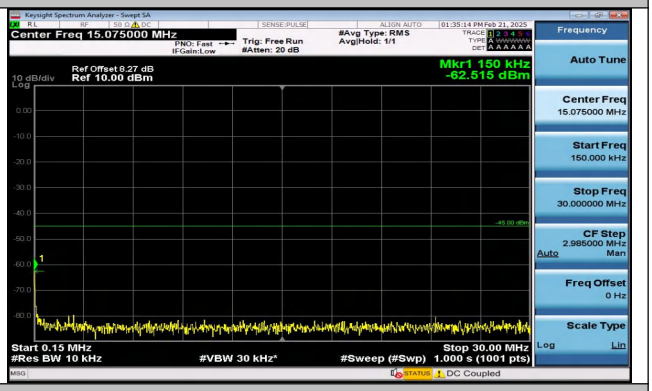
Band7_20MHz_QPSK_21100_100RB#0_1000~20000_1000~20000



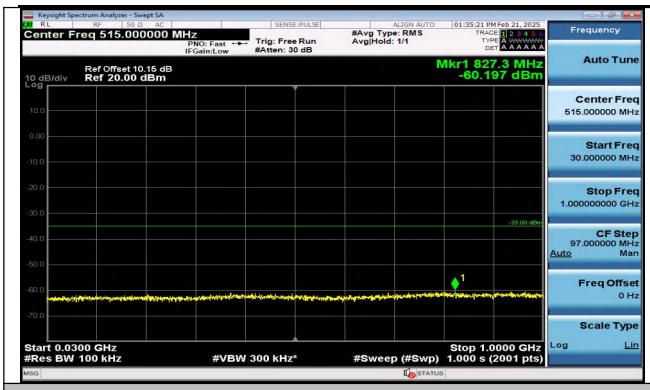
Band7_20MHz_QPSK_21100_100RB#0_20000~27000_20000~27000



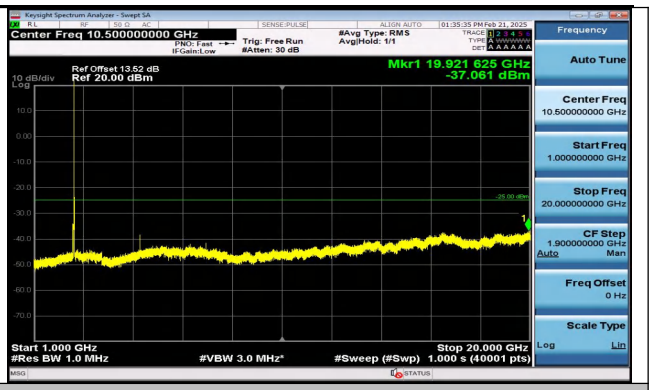
Band7_20MHz_16QAM_21100_1RB#0_0.009~0.15_0.009~0.15



Band7_20MHz_16QAM_21100_1RB#0_0.15~30_0.15~30

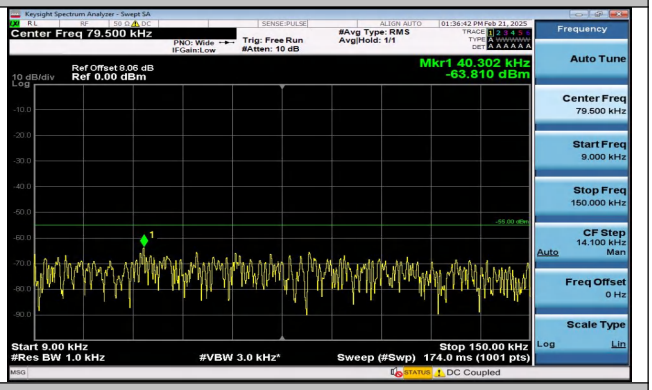


Band7_20MHz_16QAM_21100_1RB#0_30~1000_30~1000

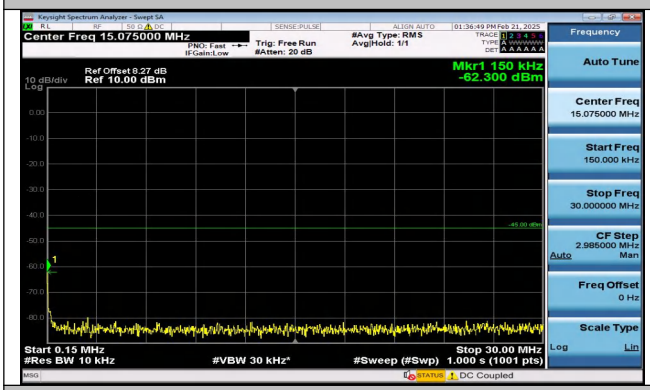


Band7_20MHz_16QAM_21100_1RB#0_1000~20000_1000~20000

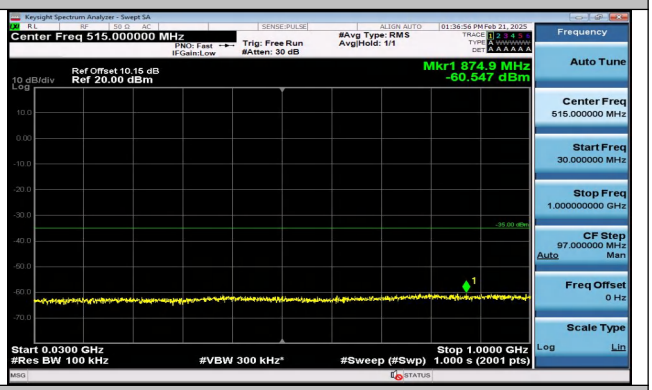
Band7_20MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



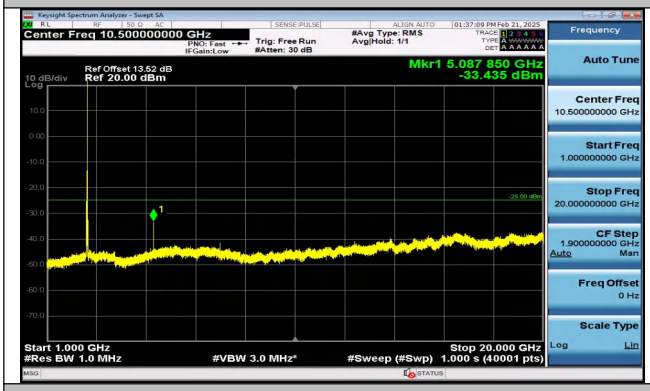
Band7_20MHz_16QAM_21100_1RB#99_0.009~0.15_0.009~0.15



Band7_20MHz_16QAM_21100_1RB#99_0.15~30_0.15~30

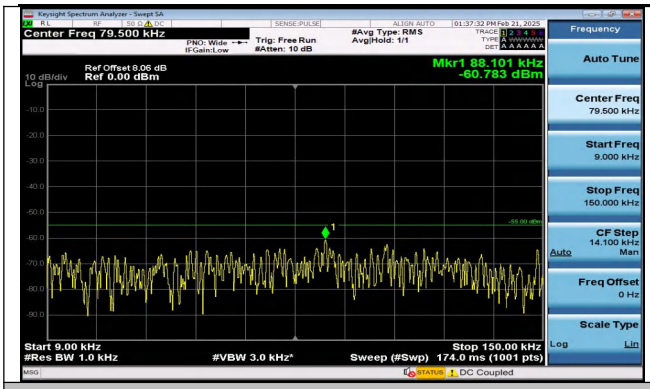


Band7_20MHz_16QAM_21100_1RB#99_30~1000_30~1000

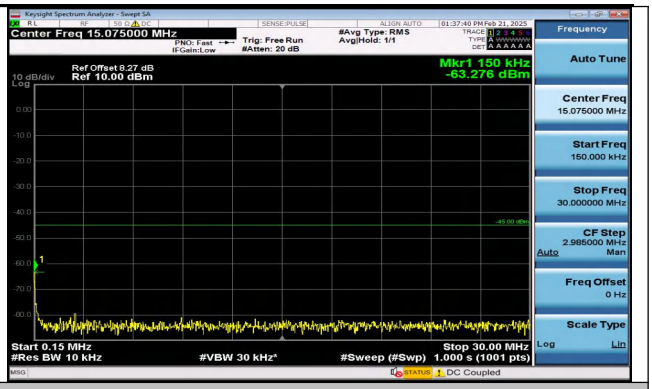


Band7_20MHz_16QAM_21100_1RB#99_1000~20000_1000~20000

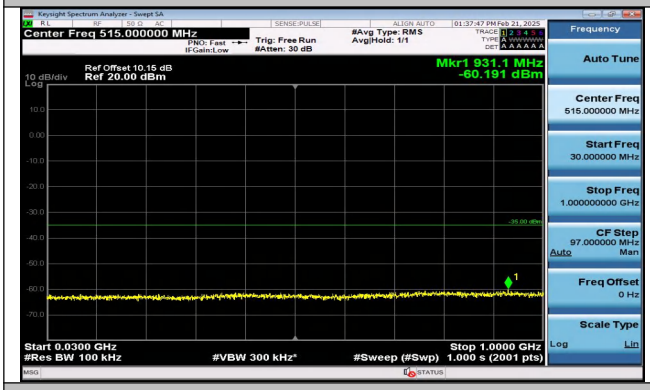
Band7_20MHz_16QAM_21100_1RB#99_20000~27000_20000~27000



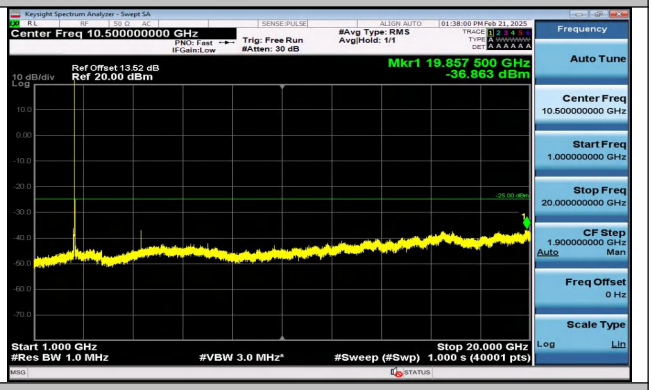
Band7_20MHz_QPSK_21350_1RB#0_0.009~0.15_0.009~0.15



Band7_20MHz_QPSK_21350_1RB#0_0.15~30_0.15~30

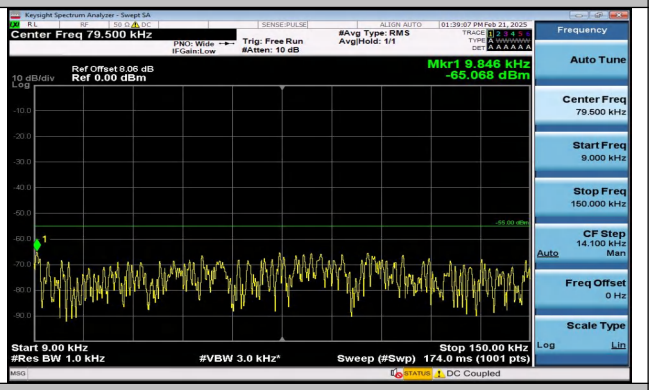


Band7_20MHz_QPSK_21350_1RB#0_30~1000_30~1000

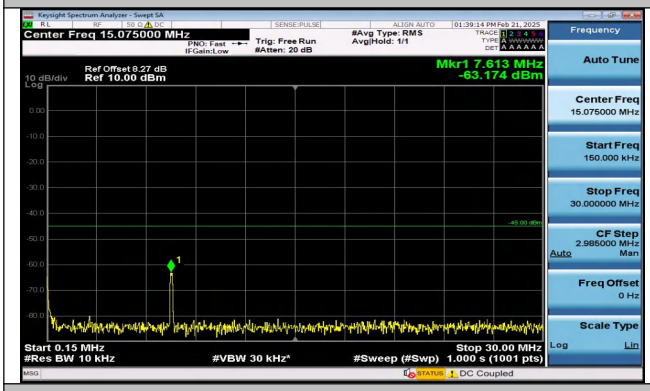


Band7_20MHz_QPSK_21350_1RB#0_1000~20000_1000~20000

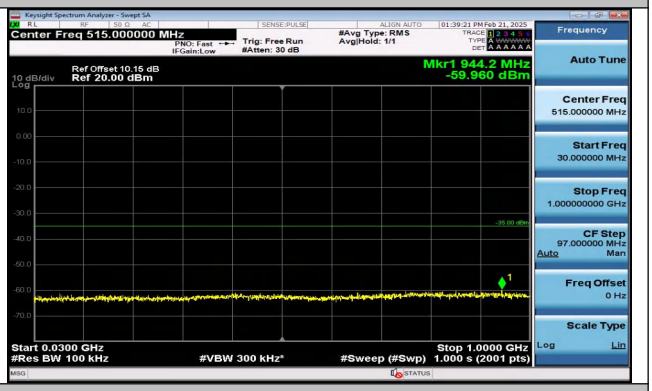
Band7_20MHz_QPSK_21350_1RB#0_20000~27000_20000~27000



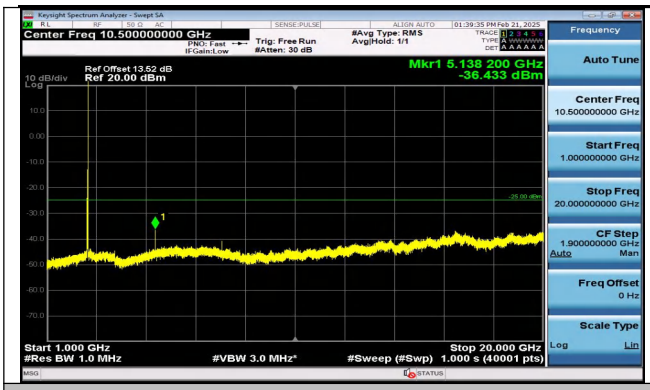
Band7_20MHz_QPSK_21350_1RB#99_0.009~0.15_0.009~0.15



Band7_20MHz_QPSK_21350_1RB#99_0.15~30_0.15~30

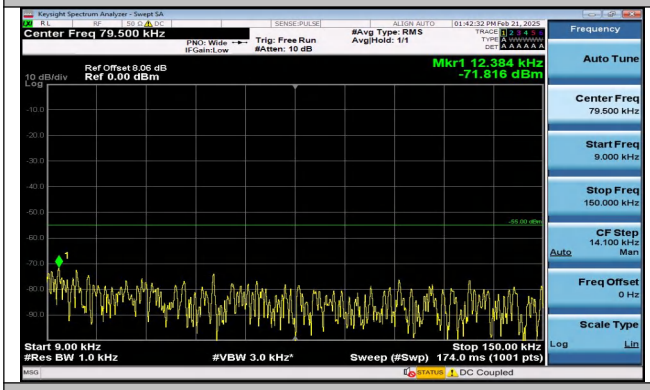


Band7_20MHz_QPSK_21350_1RB#99_30~1000_30~1000

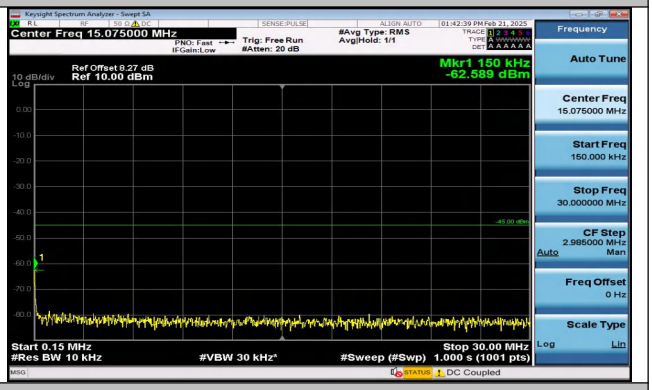


Band7_20MHz_QPSK_21350_1RB#99_1000~20000_1000~20000

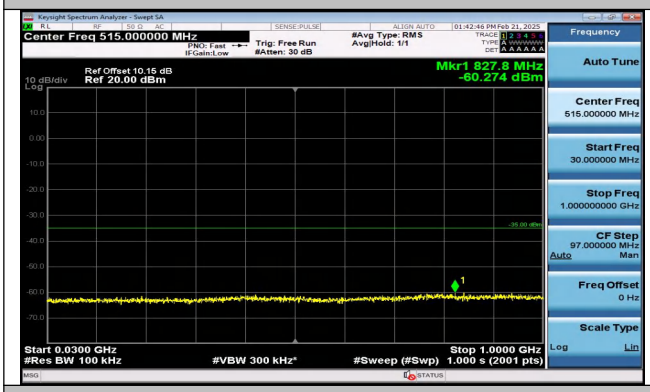
Band7_20MHz_QPSK_21350_1RB#99_20000~27000_20000~27000



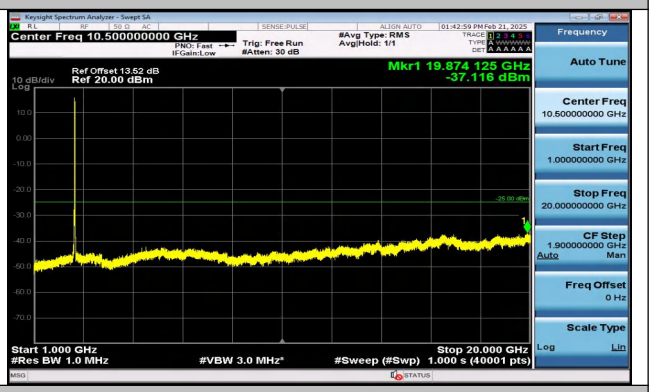
Band7_20MHz_QPSK_21350_100RB#0_0.009~0.15_0.009~0.15



Band7_20MHz_QPSK_21350_100RB#0_0.15~30_0.15~30

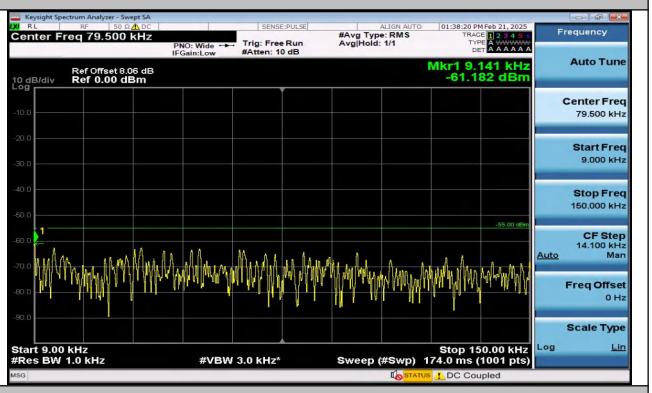


Band7_20MHz_QPSK_21350_100RB#0_30~1000_30~1000

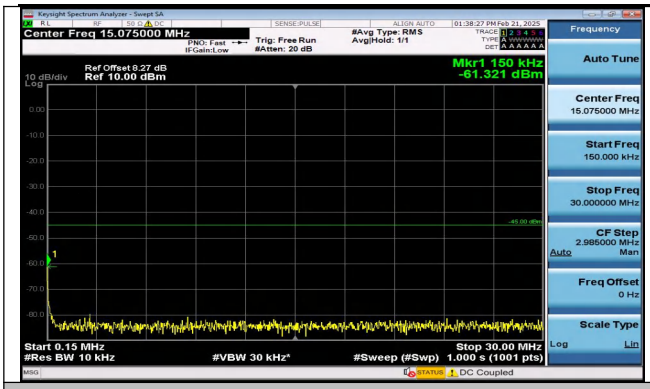


Band7_20MHz_QPSK_21350_100RB#0_1000~20000_1000~20000

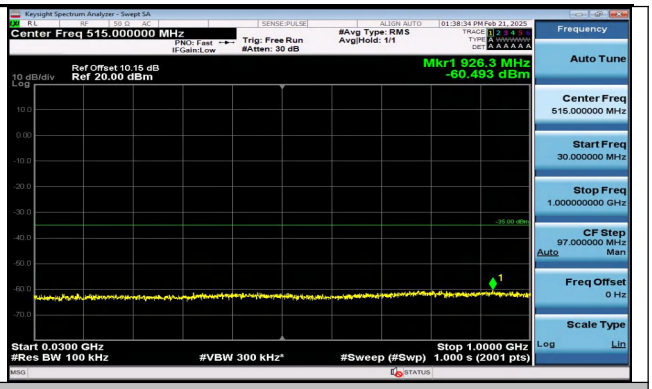
Band7_20MHz_QPSK_21350_100RB#0_20000~27000_20000~27000



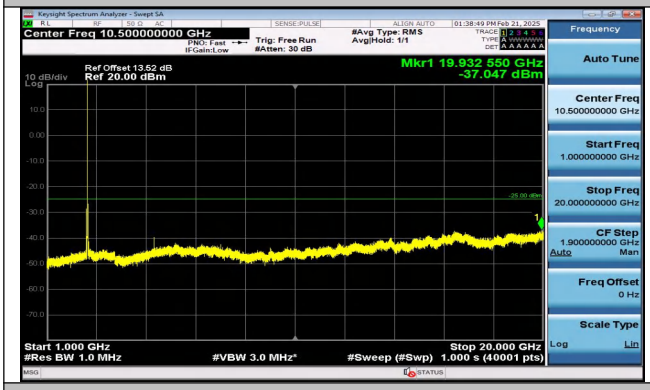
Band7_20MHz_16QAM_21350_1RB#0_0.009~0.15_0.009~0.15



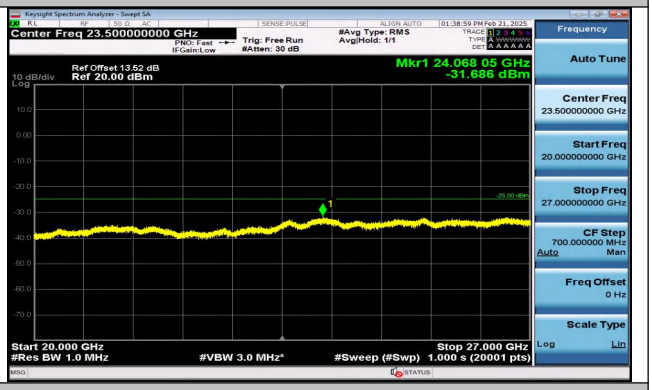
Band7_20MHz_16QAM_21350_1RB#0_0.15~30_0.15~30



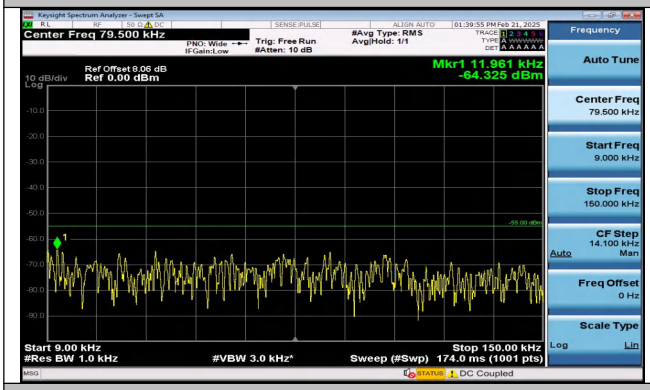
Band7_20MHz_16QAM_21350_1RB#0_30~1000_30~1000



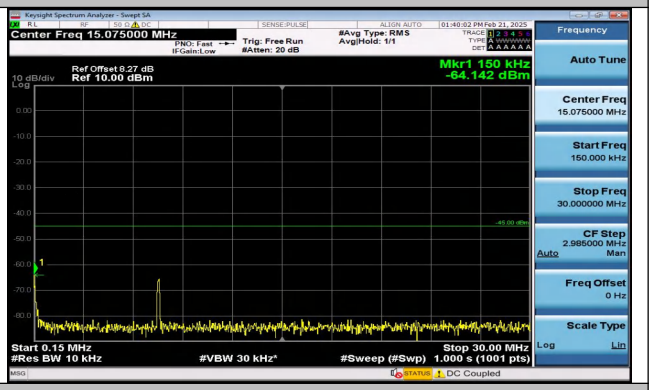
Band7_20MHz_16QAM_21350_1RB#0_1000~20000_1000~20000



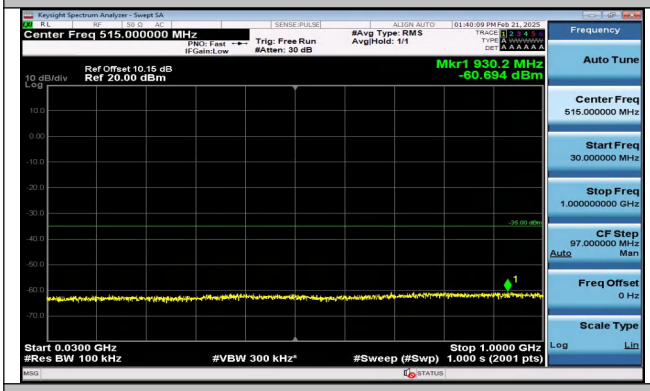
Band7_20MHz_16QAM_21350_1RB#0_20000~27000_20000~27000



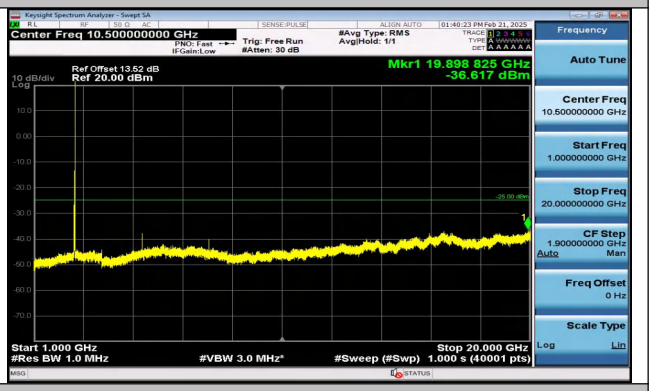
Band7_20MHz_16QAM_21350_1RB#99_0.009~0.15_0.009~0.15



Band7_20MHz_16QAM_21350_1RB#99_0.15~30_0.15~30



Band7_20MHz_16QAM_21350_1RB#99_30~1000_30~1000



Band7_20MHz_16QAM_21350_1RB#99_1000~20000_1000~20000

Band7_20MHz_16QAM_21350_1RB#99_20000~27000_20000~27000	

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	VN	NT	-30.76	-0.012292	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	35.25	0.014086	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	29.91	0.011952	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	23.95	0.009570	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-34.39	-0.013742	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-32.24	-0.012883	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-38.60	-0.015227	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	37.22	0.014682	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	33.70	0.013294	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	17.40	0.006864	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	-28.25	-0.011144	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-33.93	-0.013385	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-47.26	-0.018407	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	32.00	0.012463	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	28.05	0.010925	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	28.42	0.011069	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-34.15	-0.013301	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-18.83	-0.007334	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-28.15	-0.011238	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	27.87	0.011126	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	27.24	0.010874	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-48.48	-0.019124	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	33.97	0.013400	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	33.85	0.013353	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-57.22	-0.022308	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	14.55	0.005673	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-17.27	-0.006733	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	-33.09	-0.013196	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	32.49	0.012957	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	24.00	0.009571	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-57.75	-0.022781	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	34.00	0.013412	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	27.82	0.010974	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	32.43	0.012656	±2.5	PASS

Band7	15MHz	QPSK	21375	75RB#0	VL	NT	30.96	0.012082	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	34.09	0.013303	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-31.87	-0.012697	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	28.75	0.011454	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	31.06	0.012375	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-49.12	-0.019377	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	32.39	0.012777	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	31.36	0.012371	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-59.75	-0.023340	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	25.92	0.010125	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	29.00	0.011328	±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	31.14	0.012444	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	15.13	0.006046	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	10.70	0.004276	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	20.86	0.008336	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	23.53	0.009403	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	26.35	0.010529	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	24.28	0.009702	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	16.74	0.006689	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	30.11	0.012032	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	-22.85	-0.009131	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-17.82	-0.007121	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	-24.83	-0.009922	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	-28.70	-0.011469	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-29.61	-0.011832	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-18.85	-0.007532	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	-19.45	-0.007772	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	-8.25	-0.003297	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	50	-15.13	-0.006046	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	22.43	0.008848	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	31.09	0.012264	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	29.13	0.011491	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	25.29	0.009976	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	28.55	0.011262	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	18.18	0.007172	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	21.93	0.008651	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	30.00	0.011834	±2.5	PASS

Band7	5MHz	QPSK	21100	25RB#0	NV	50	12.67	0.004998	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-12.59	-0.004966	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-13.09	-0.005164	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	-23.76	-0.009373	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-16.29	-0.006426	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-24.58	-0.009696	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-27.51	-0.010852	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	-13.82	-0.005452	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-14.13	-0.005574	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	-8.05	-0.003176	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	17.98	0.007003	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	30.33	0.011813	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	15.85	0.006173	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	30.57	0.011907	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	30.60	0.011918	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	9.97	0.003883	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	11.44	0.004456	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	15.81	0.006158	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	13.49	0.005254	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-23.72	-0.009239	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-11.59	-0.004514	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	-9.60	-0.003739	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-13.52	-0.005266	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-15.15	-0.005901	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-20.86	-0.008125	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	-9.80	-0.003817	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	-15.64	-0.006092	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	-9.41	-0.003665	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	29.98	0.011968	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	27.88	0.011130	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	23.29	0.009297	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	21.72	0.008671	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	29.01	0.011581	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	21.34	0.008519	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	28.77	0.011485	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	31.74	0.012671	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	12.97	0.005178	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	27.77	0.010955	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	27.84	0.010982	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	30.01	0.011838	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	29.95	0.011815	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	10	13.63	0.005377	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	22.77	0.008982	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	25.31	0.009984	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	28.74	0.011337	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	13.58	0.005357	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-28.04	-0.010932	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-22.36	-0.008717	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	-10.97	-0.004277	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-30.08	-0.011727	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-14.08	-0.005489	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-31.46	-0.012265	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	-17.51	-0.006827	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	-17.72	-0.006908	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	-30.43	-0.011864	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	28.00	0.011167	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	28.12	0.011214	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	30.37	0.012112	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	26.91	0.010732	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	27.19	0.010843	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	26.45	0.010548	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	26.87	0.010716	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	23.82	0.009500	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	17.62	0.007027	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	29.63	0.011688	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	22.89	0.009030	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	23.50	0.009270	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	29.47	0.011625	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	25.65	0.010118	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	22.13	0.008730	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	28.01	0.011049	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	17.80	0.007022	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	20.84	0.008221	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	32.90	0.012839	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	30.50	0.011902	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	25.22	0.009842	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	24.96	0.009740	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	24.88	0.009709	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	29.51	0.011516	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	27.01	0.010540	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	13.95	0.005444	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	32.01	0.012492	±2.5	PASS

Band7	20MHz	QPSK	20850	100RB#0	NV	-30	32.33	0.012880	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	32.53	0.012960	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	30.51	0.012155	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	32.29	0.012865	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	34.16	0.013610	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	31.23	0.012442	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	34.83	0.013876	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	8.43	0.003359	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	32.14	0.012805	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	22.86	0.009018	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	22.39	0.008832	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	25.38	0.010012	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	28.92	0.011408	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	20.40	0.008047	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	27.82	0.010974	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	27.38	0.010801	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	29.34	0.011574	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	18.60	0.007337	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-32.62	-0.012742	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-28.40	-0.011094	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-28.51	-0.011137	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-27.68	-0.010813	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-30.97	-0.012098	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-30.16	-0.011781	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-15.54	-0.006070	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-28.64	-0.011188	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-30.38	-0.011867	±2.5	PASS