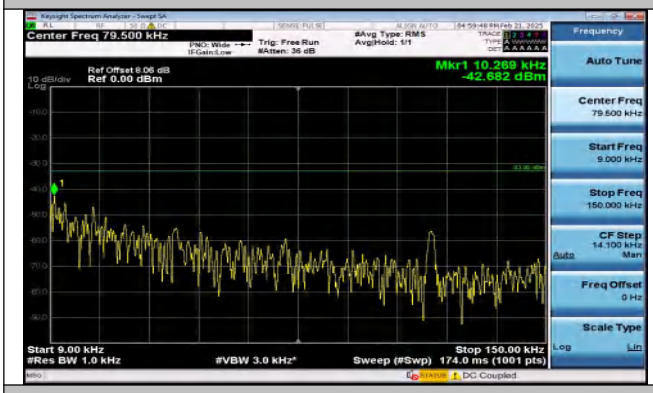
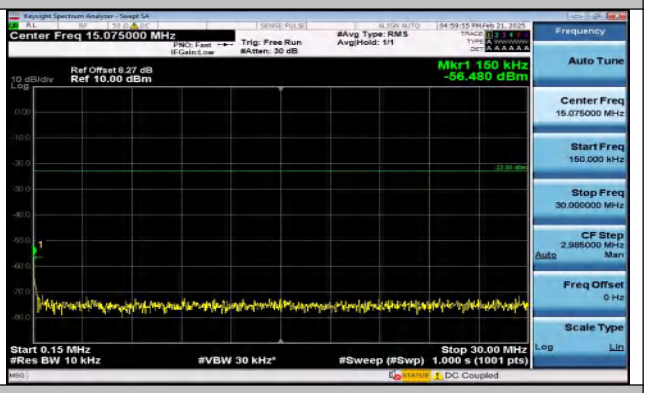
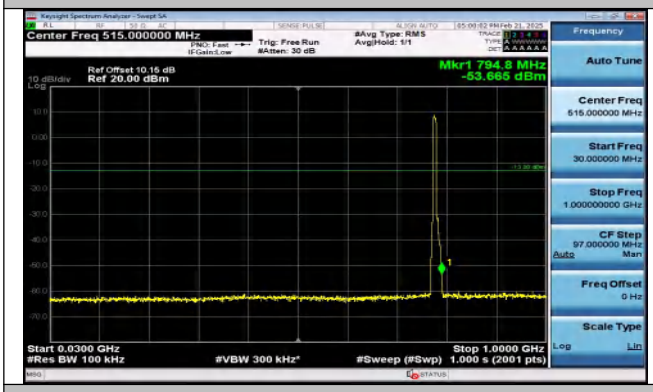
Band13_5MHz_QPSK_23230_1RB#24_1000~3000_1000~3000



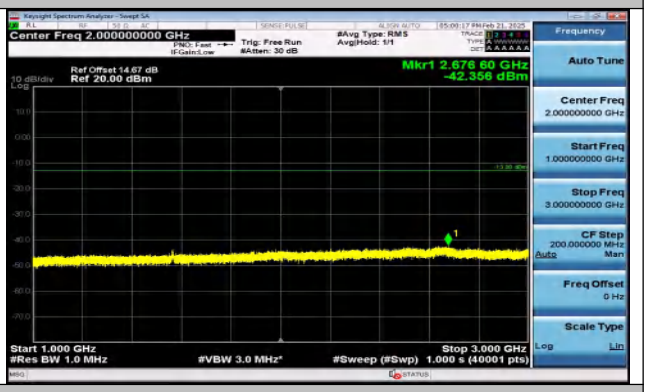
Band13_5MHz_QPSK_23230_1RB#24_3000~10000_3000~10000



Band13_5MHz_QPSK_23230_25RB#0_0.009~0.15_0.009~0.15



Band13_5MHz_QPSK_23230_25RB#0_0.15~30_0.15~30



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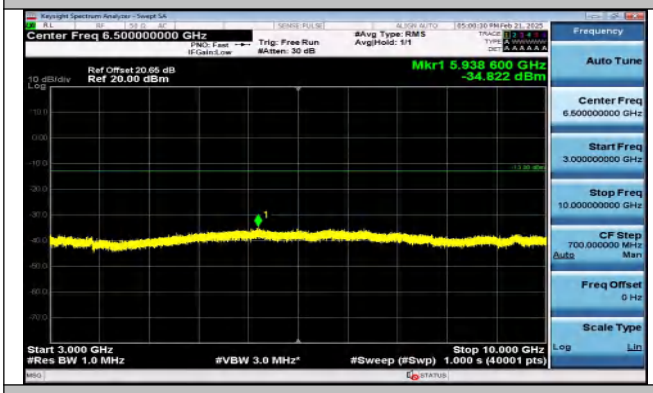
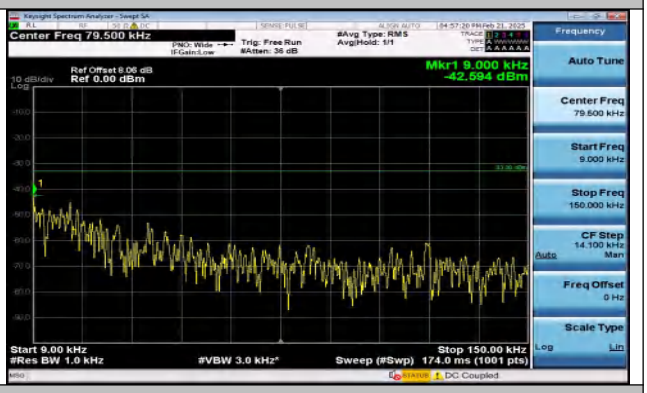


Band13_5MHz_QPSK_23230_25RB#0_1000~3000_1000~3000



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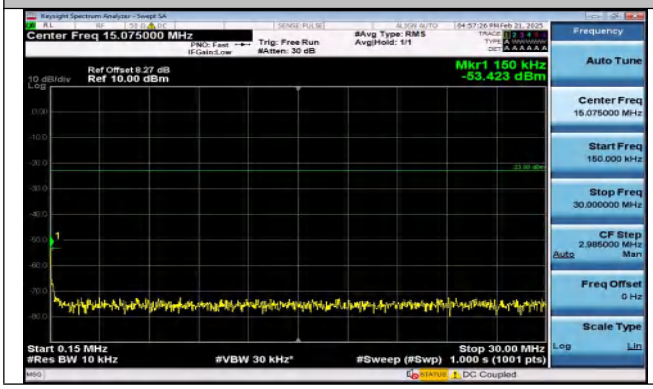
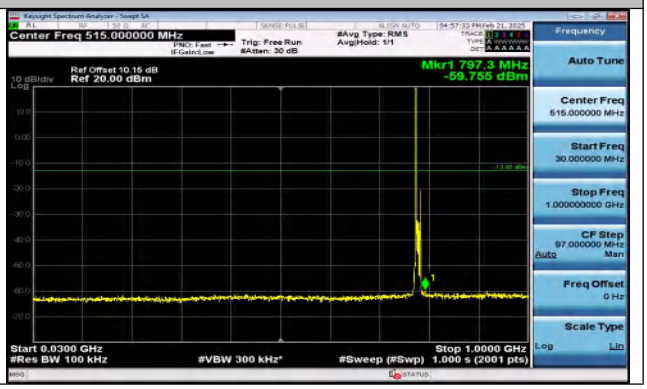
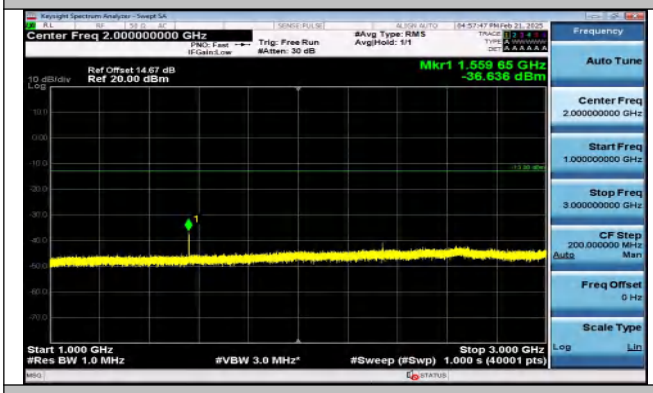


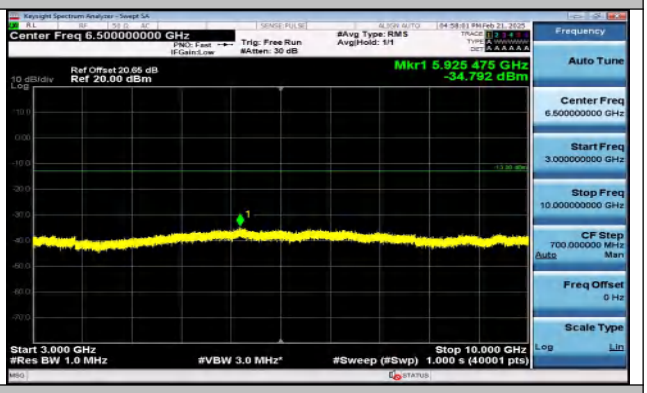
Band13_5MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15



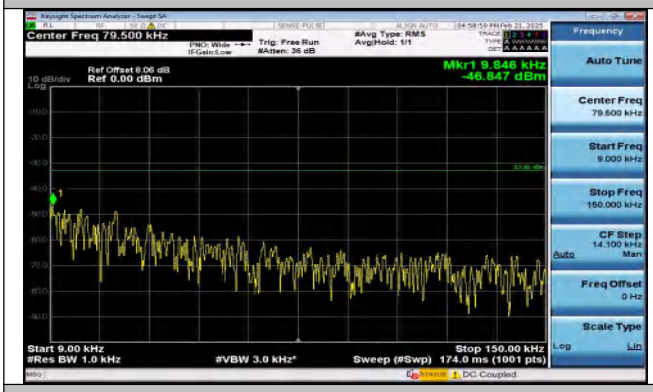
Band13_5MHz_16QAM_23230_1RB#0_0.15~30_0.15~30



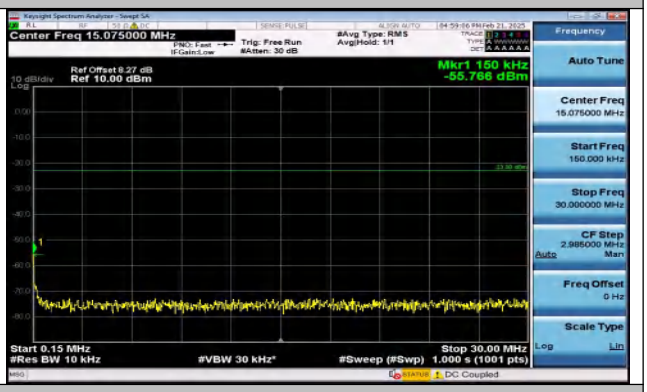
Band13_5MHz_16QAM_23230_1RB#0_30~1000_30~1000



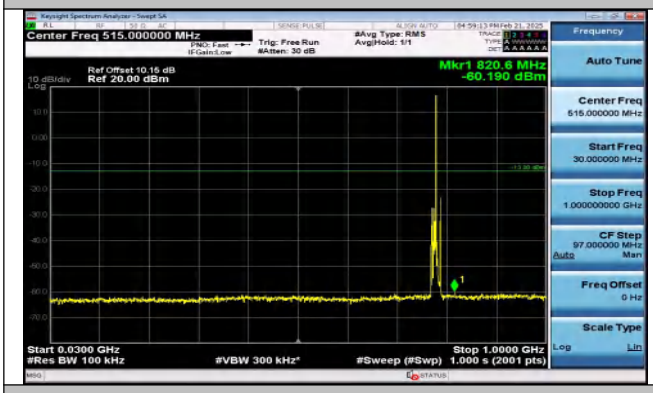
Band13_5MHz_16QAM_23230_1RB#0_1000~3000_1000~3000



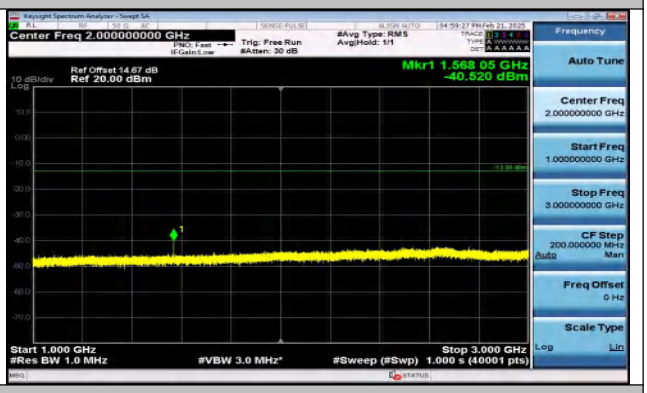
Band13_5MHz_16QAM_23230_1RB#0_3000~10000_3000~10000



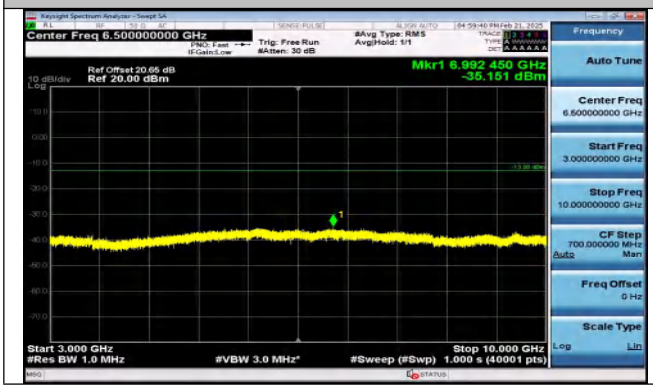
Band13_5MHz_16QAM_23230_1RB#24_0.009~0.15_0.009~0.15



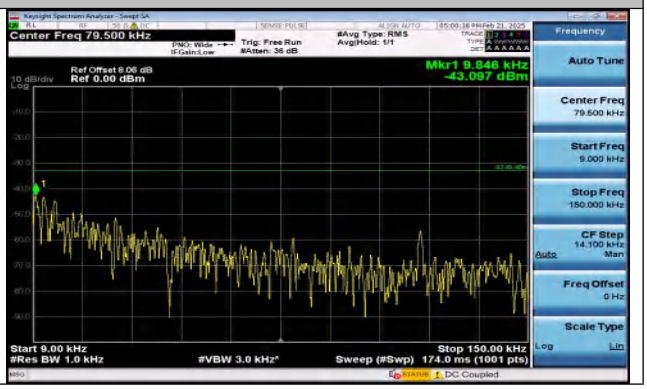
Band13_5MHz_16QAM_23230_1RB#24_0.15~30_0.15~30



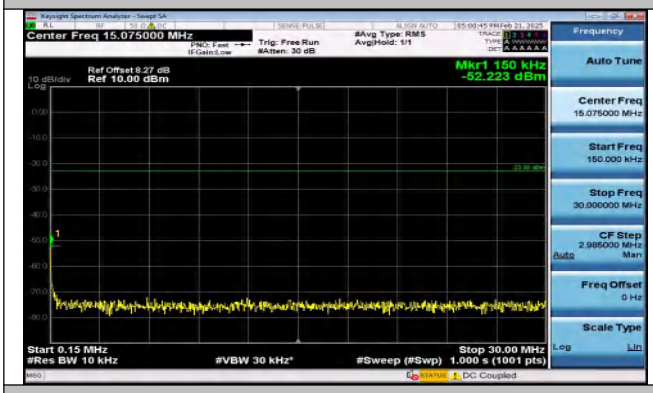
Band13_5MHz_16QAM_23230_1RB#24_30~1000_30~1000



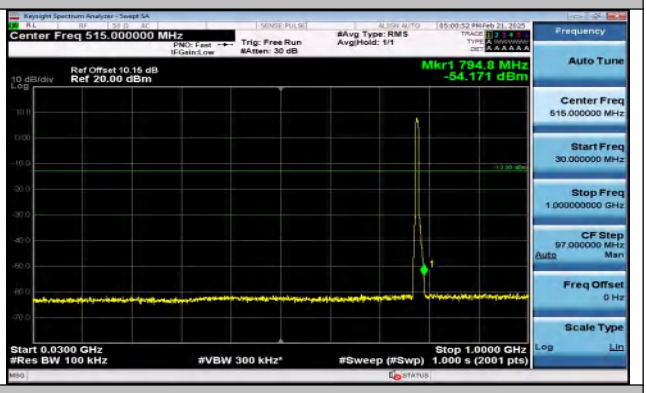
Band13_5MHz_16QAM_23230_1RB#24_1000~3000_1000~3000



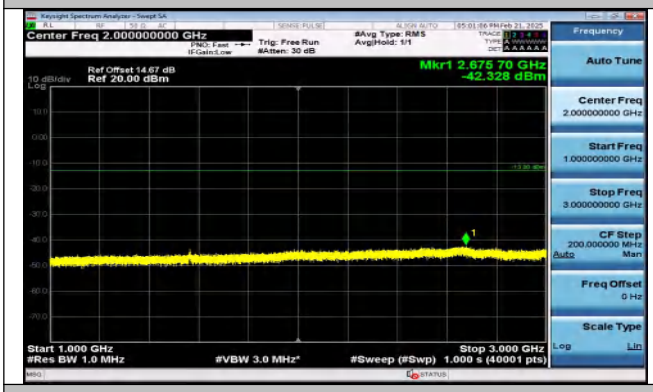
Band13_5MHz_16QAM_23230_1RB#24_3000~10000_3000~10000



Band13_5MHz_16QAM_23230_25RB#0_0.009~0.15_0.009~0.15

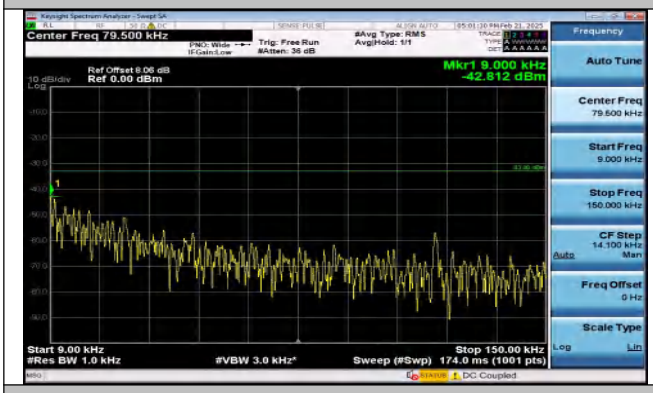


Band13_5MHz_16QAM_23230_25RB#0_0.15~30_0.15~30

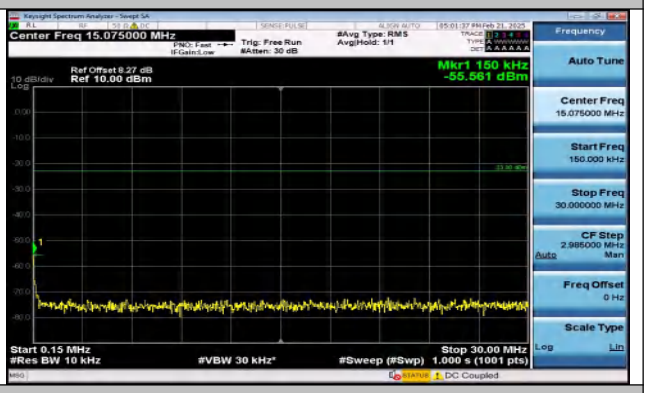


Band13_5MHz_16QAM_23230_25RB#0_30~1000_30~1000

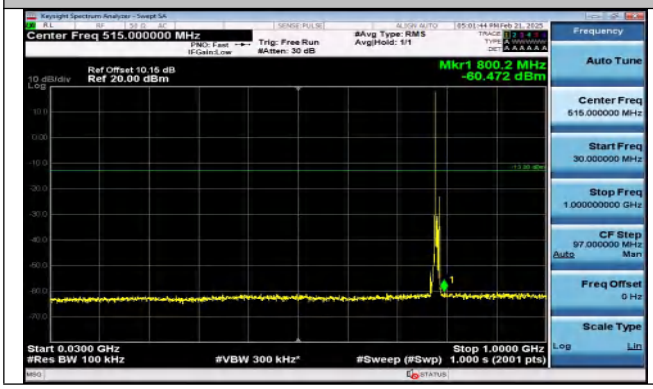
Band13_5MHz_16QAM_23230_25RB#0_1000~3000_1000~3000



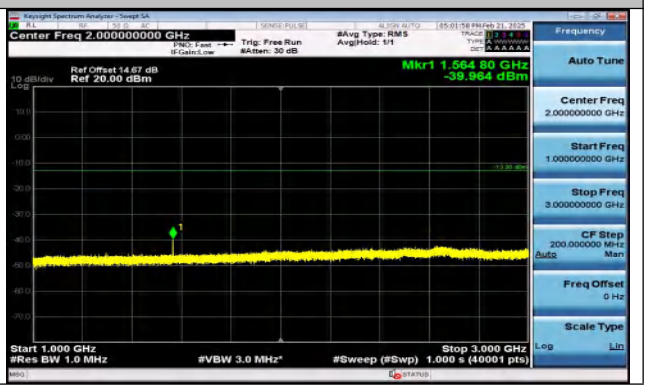
Band13_5MHz_16QAM_23230_25RB#0_3000~10000_3000~10000



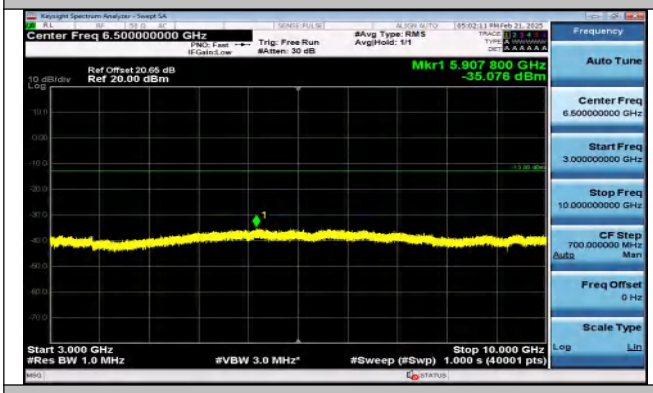
Band13_5MHz_QPSK_23255_1RB#0_0.009~0.15_0.009~0.15



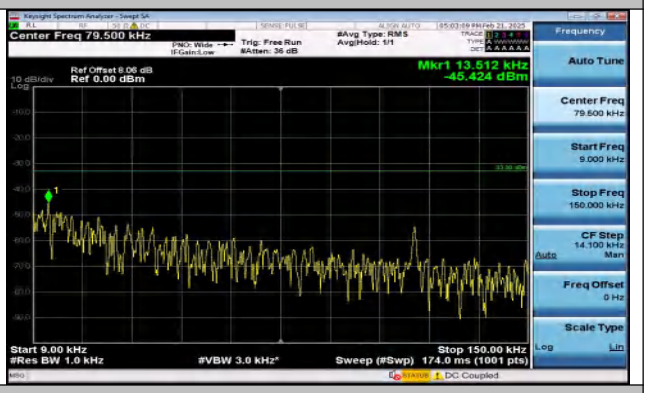
Band13_5MHz_QPSK_23255_1RB#0_0.15~30_0.15~30



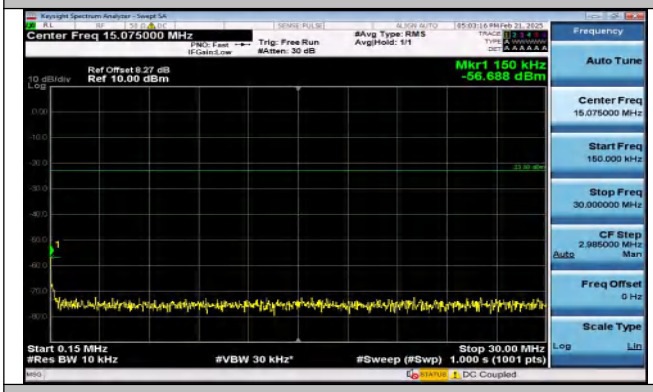
Band13_5MHz_QPSK_23255_1RB#0_30~1000_30~1000



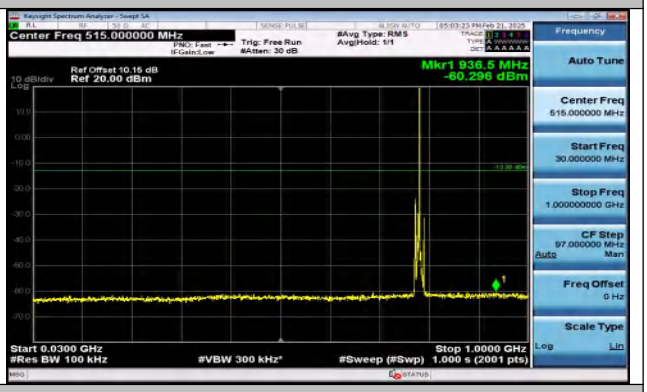
Band13_5MHz_QPSK_23255_1RB#0_1000~3000_1000~3000



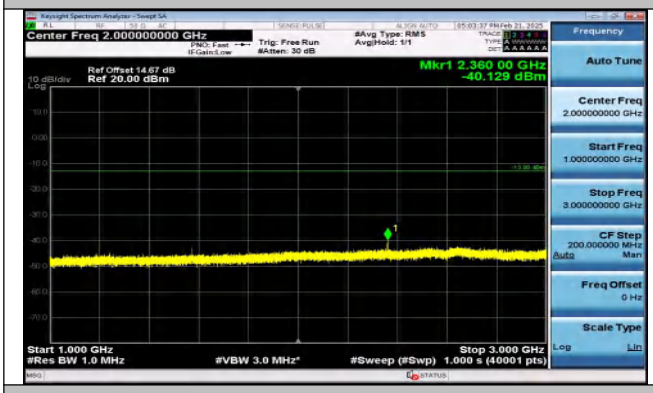
Band13_5MHz_QPSK_23255_1RB#0_3000~10000_3000~10000



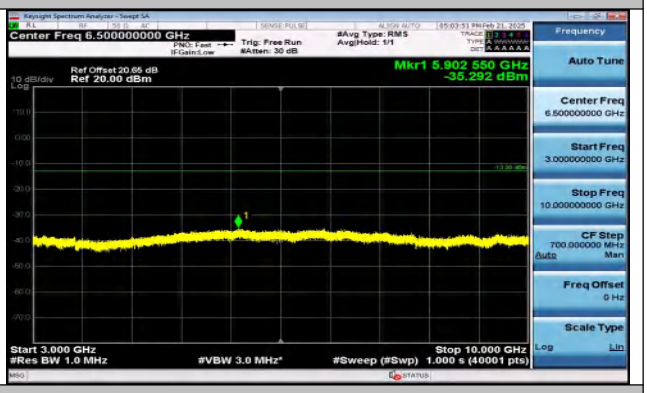
Band13_5MHz_QPSK_23255_1RB#24_0.009~0.15_0.009~0.15



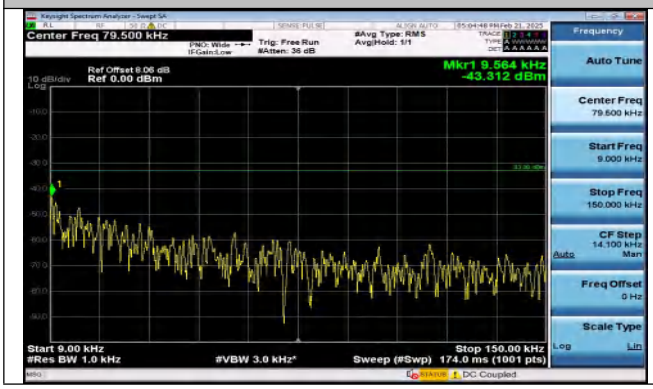
Band13_5MHz_QPSK_23255_1RB#24_0.15~30_0.15~30



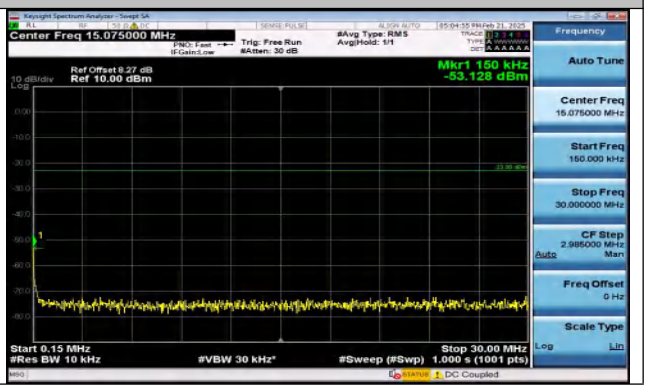
Band13_5MHz_QPSK_23255_1RB#24_30~1000_30~1000



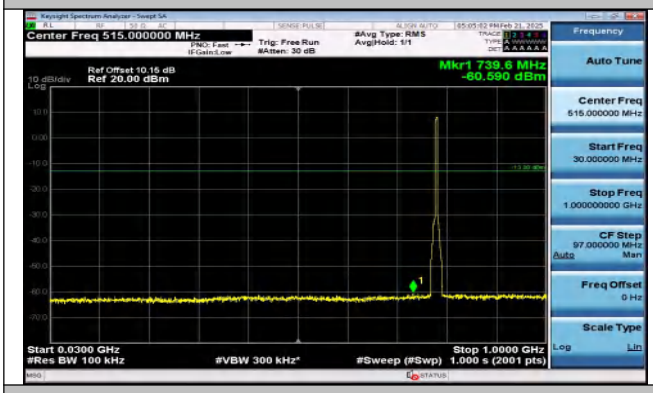
Band13_5MHz_QPSK_23255_1RB#24_1000~3000_1000~3000



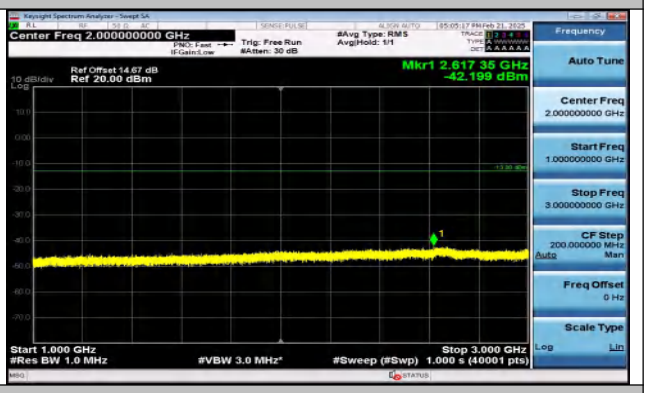
Band13_5MHz_QPSK_23255_1RB#24_3000~10000_3000~10000



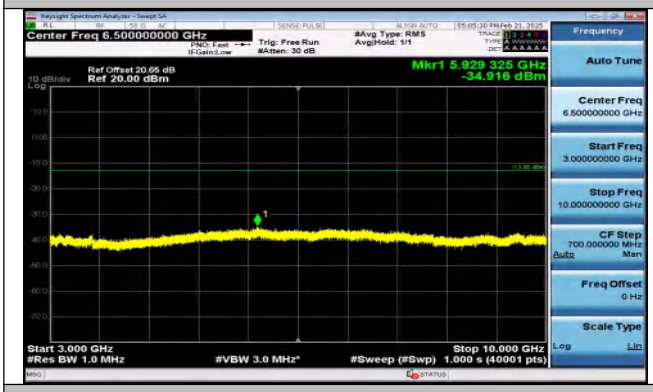
Band13_5MHz_QPSK_23255_25RB#0_0.009~0.15_0.009~0.15



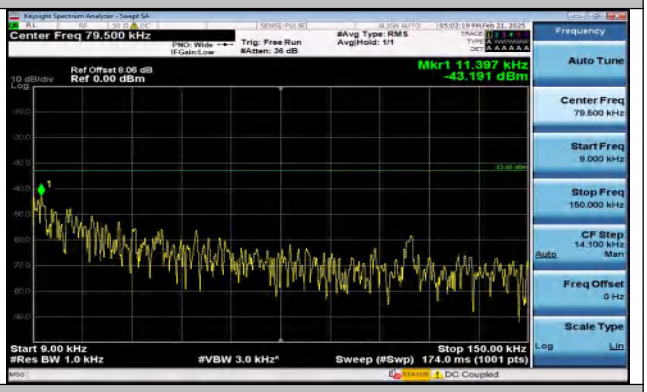
Band13_5MHz_QPSK_23255_25RB#0_0.15~30_0.15~30



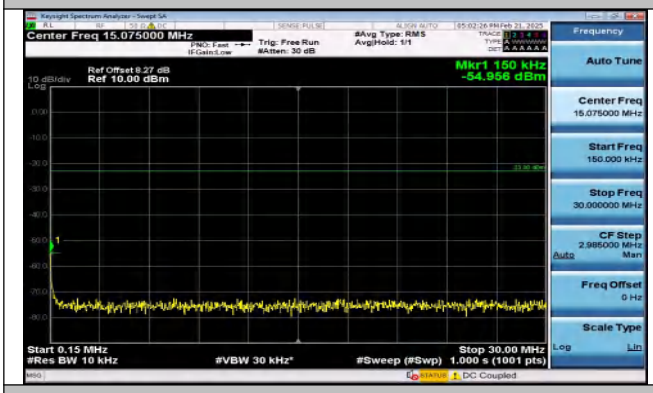
Band13_5MHz_QPSK_23255_25RB#0_30~1000_30~1000



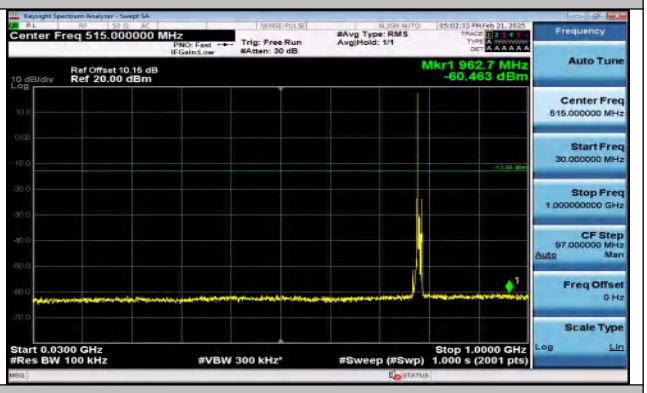
Band13_5MHz_QPSK_23255_25RB#0_1000~3000_1000~3000



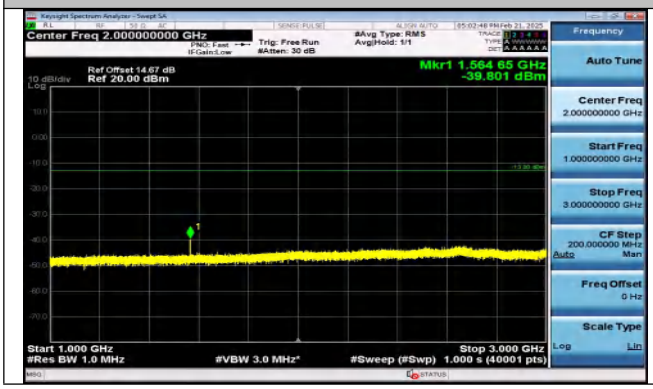
Band13_5MHz_QPSK_23255_25RB#0_3000~10000_3000~10000



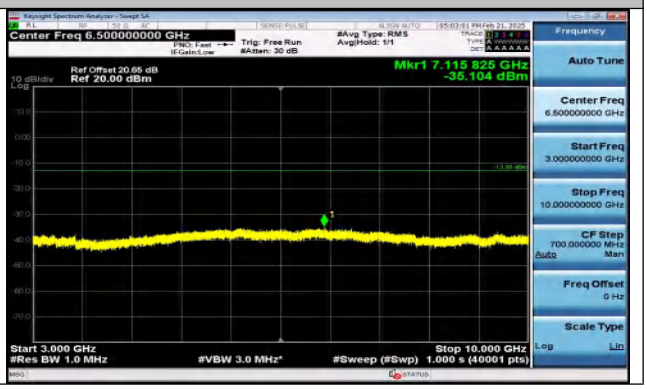
Band13_5MHz_16QAM_23255_1RB#0_0.009~0.15_0.009~0.15



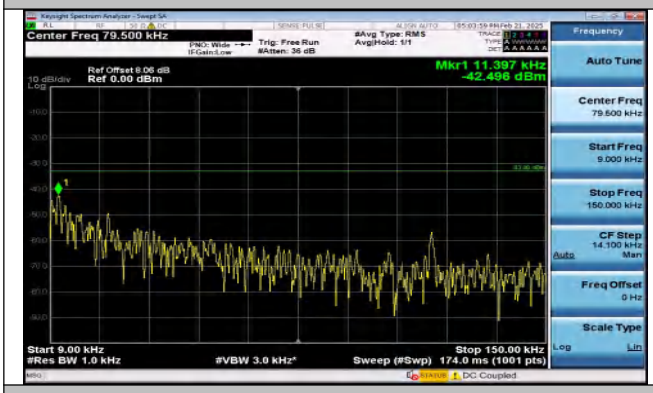
Band13_5MHz_16QAM_23255_1RB#0_0.15~30_0.15~30



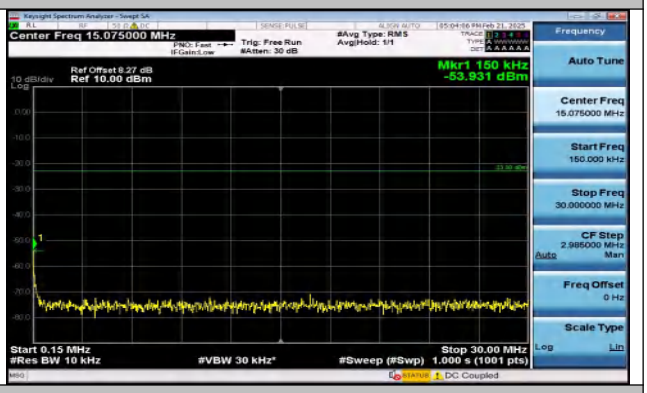
Band13_5MHz_16QAM_23255_1RB#0_30~1000_30~1000



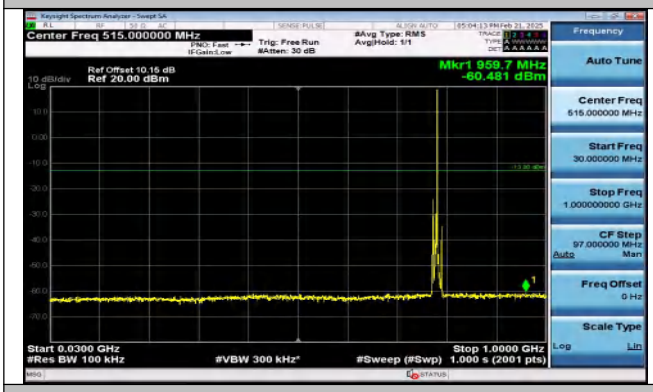
Band13_5MHz_16QAM_23255_1RB#0_1000~3000_1000~3000



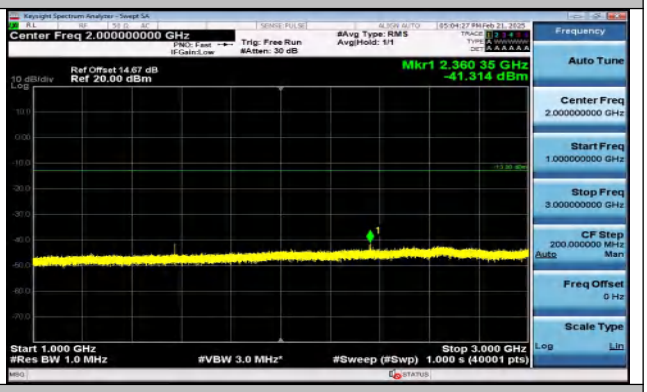
Band13_5MHz_16QAM_23255_1RB#0_3000~10000_3000~10000



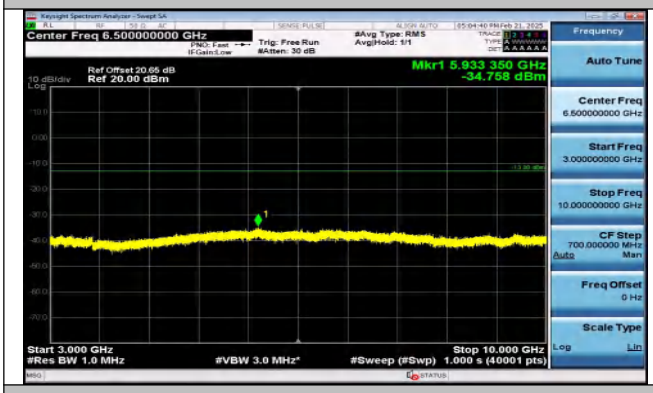
Band13_5MHz_16QAM_23255_1RB#24_0.009~0.15_0.009~0.15



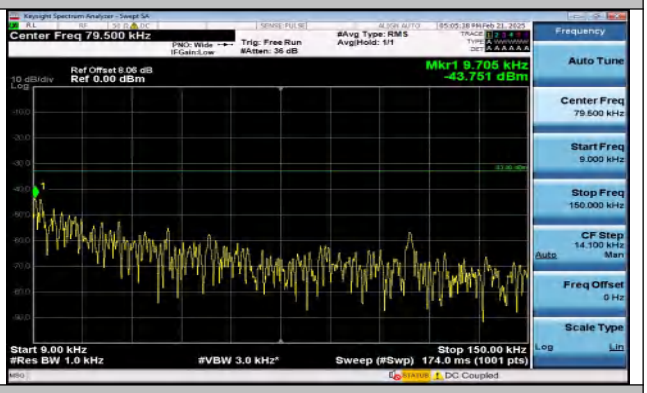
Band13_5MHz_16QAM_23255_1RB#24_0.15~30_0.15~30



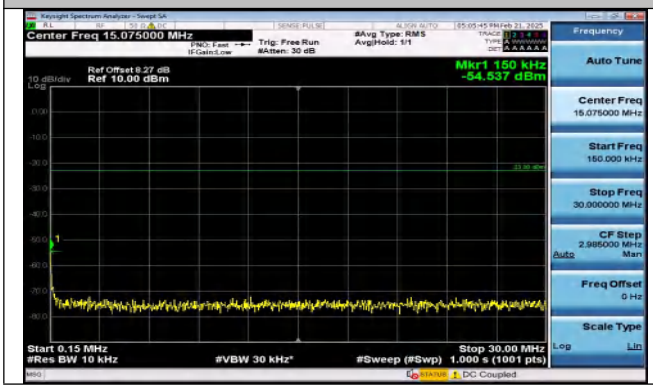
Band13_5MHz_16QAM_23255_1RB#24_30~1000_30~1000



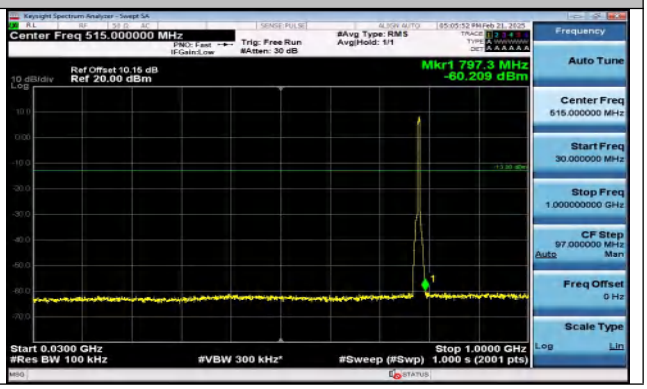
Band13_5MHz_16QAM_23255_1RB#24_1000~3000_1000~3000



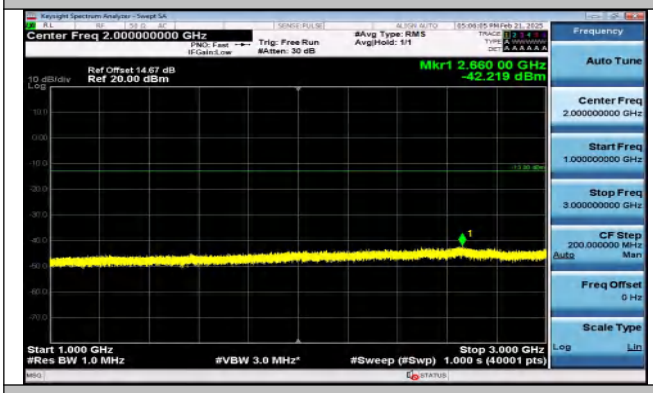
Band13_5MHz_16QAM_23255_1RB#24_3000~10000_3000~10000



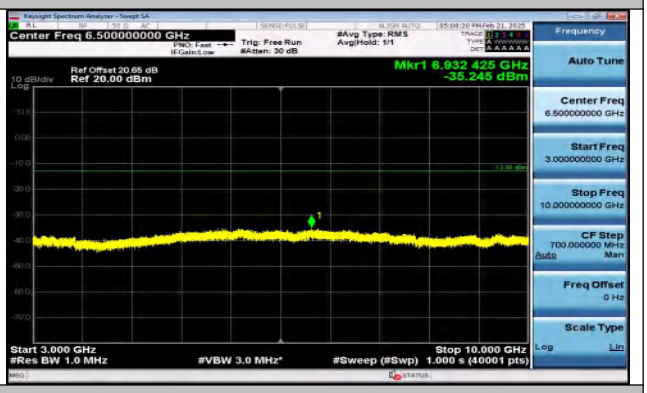
Band13_5MHz_16QAM_23255_25RB#0_0.009~0.15_0.009~0.15



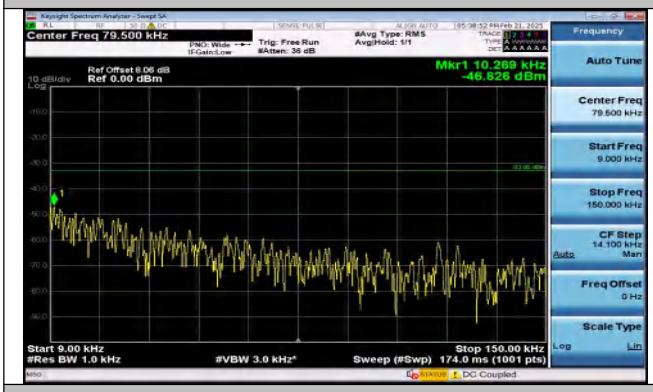
Band13_5MHz_16QAM_23255_25RB#0_0.15~30_0.15~30



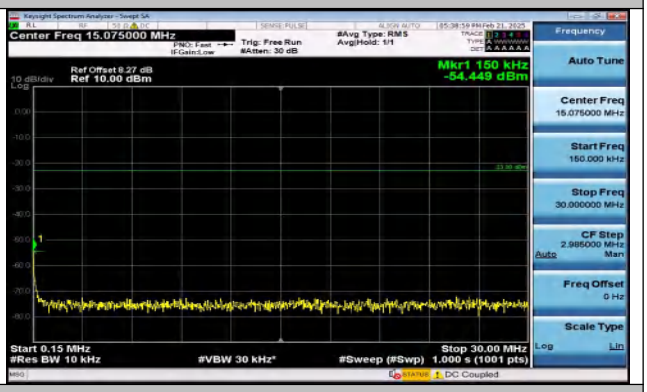
Band13_5MHz_16QAM_23255_25RB#0_30~1000_30~1000



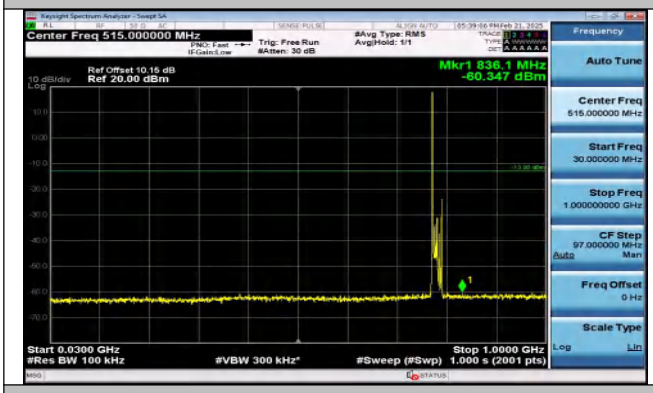
Band13_5MHz_16QAM_23255_25RB#0_1000~3000_1000~3000



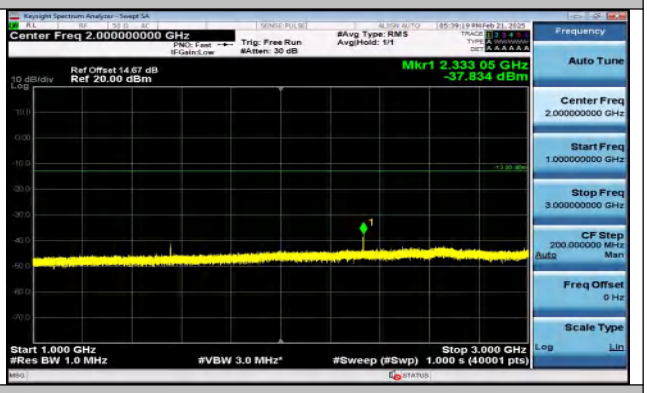
Band13_5MHz_16QAM_23255_25RB#0_3000~10000_3000~10000



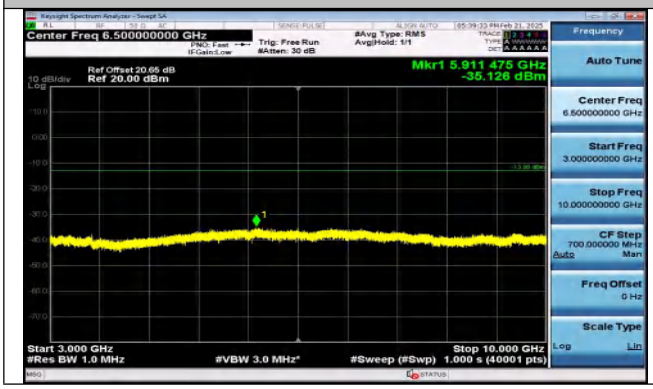
Band13_10MHz_QPSK_23230_1RB#0_0.009~0.15_0.009~0.15



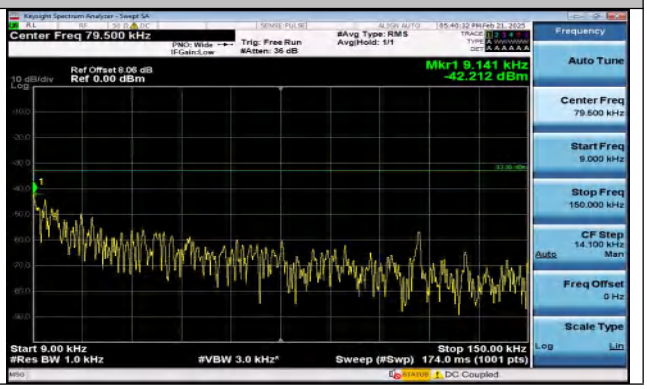
Band13_10MHz_QPSK_23230_1RB#0_0.15~30_0.15~30



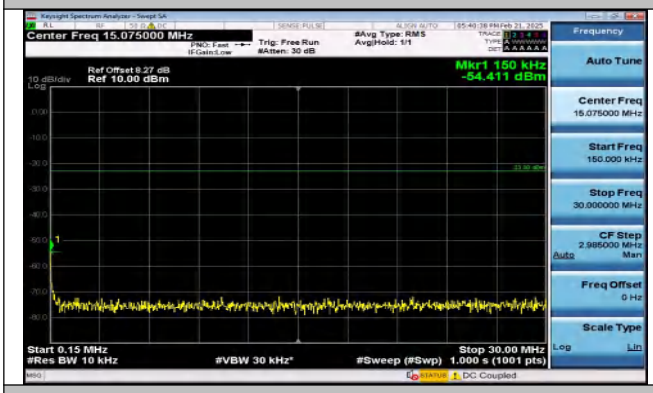
Band13_10MHz_QPSK_23230_1RB#0_30~1000_30~1000



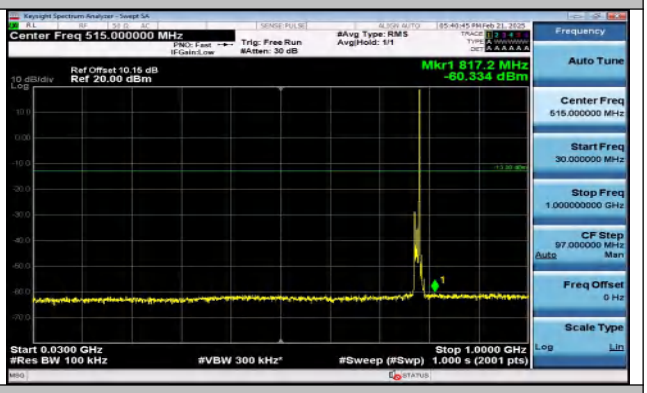
Band13_10MHz_QPSK_23230_1RB#0_1000~3000_1000~3000



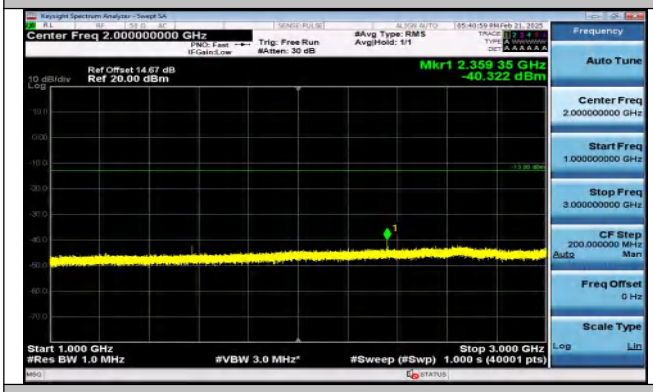
Band13_10MHz_QPSK_23230_1RB#0_3000~10000_3000~10000



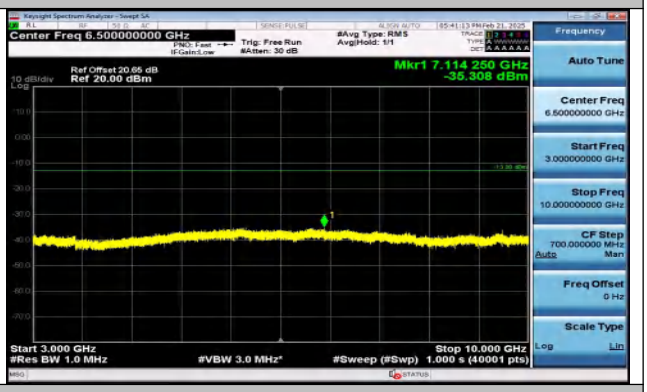
Band13_10MHz_QPSK_23230_1RB#49_0.009~0.15_0.009~0.15



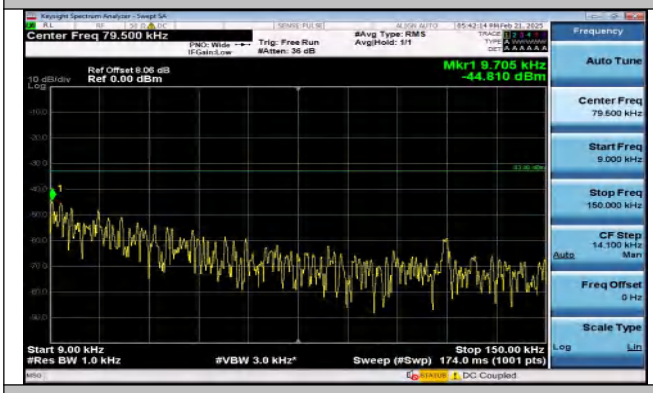
Band13_10MHz_QPSK_23230_1RB#49_0.15~30_0.15~30



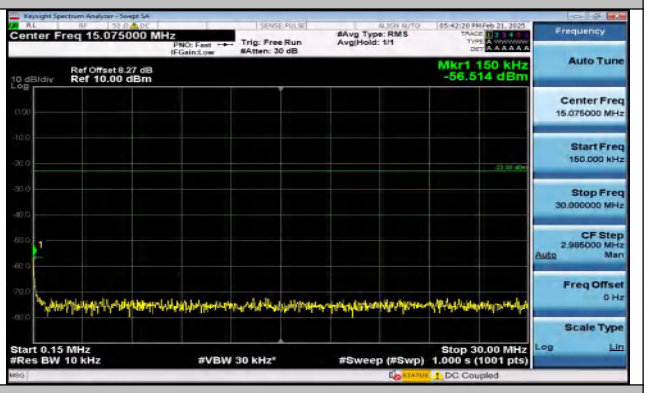
Band13_10MHz_QPSK_23230_1RB#49_30~1000_30~1000



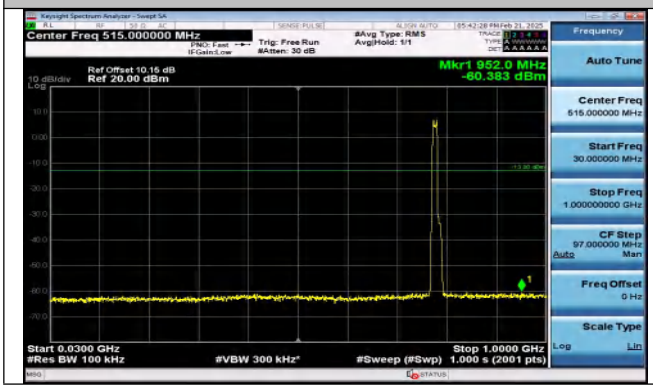
Band13_10MHz_QPSK_23230_1RB#49_1000~3000_1000~3000



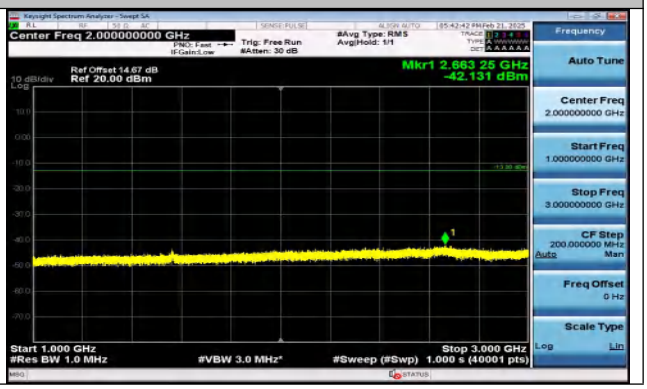
Band13_10MHz_QPSK_23230_1RB#49_3000~10000_3000~10000



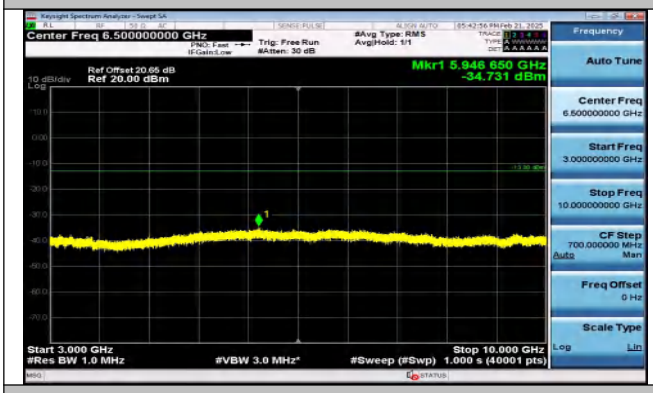
Band13_10MHz_QPSK_23230_50RB#0_0.009~0.15_0.009~0.15



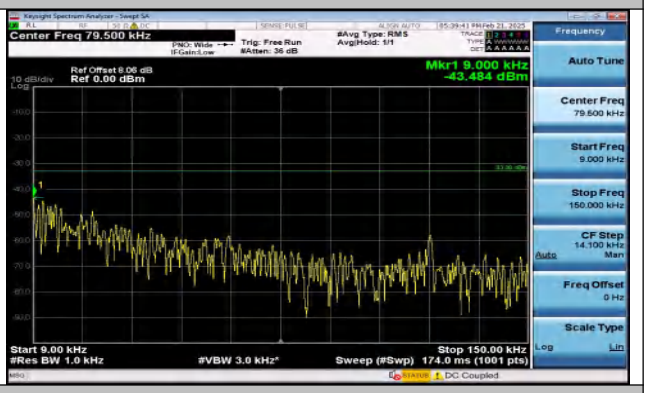
Band13_10MHz_QPSK_23230_50RB#0_0.15~30_0.15~30



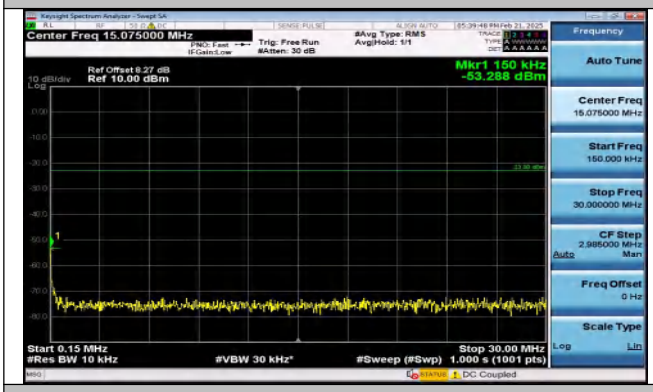
Band13_10MHz_QPSK_23230_50RB#0_30~1000_30~1000



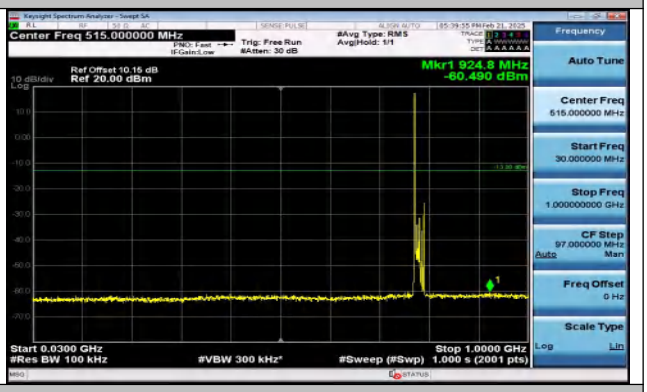
Band13_10MHz_QPSK_23230_50RB#0_1000~3000_1000~3000



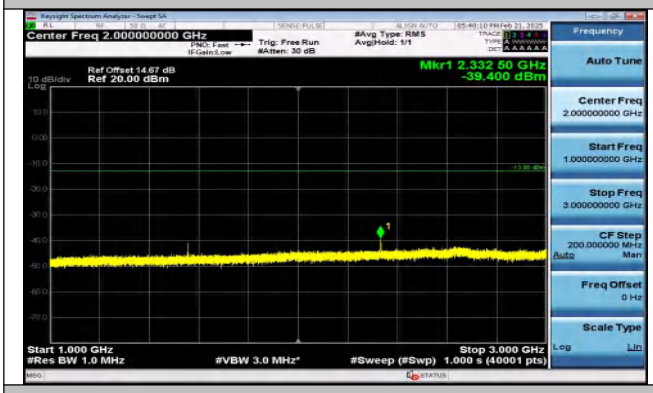
Band13_10MHz_QPSK_23230_50RB#0_3000~10000_3000~10000



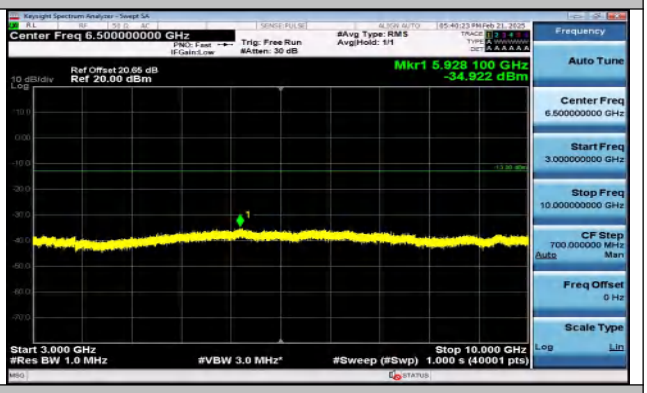
Band13_10MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15



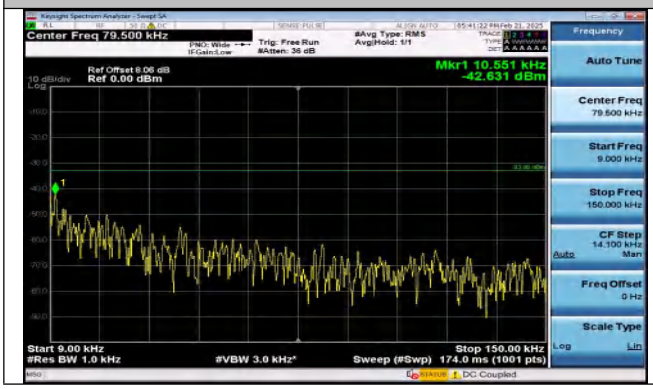
Band13_10MHz_16QAM_23230_1RB#0_0.15~30_0.15~30



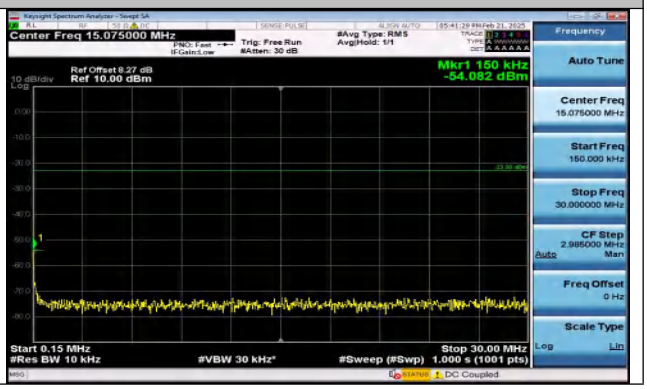
Band13_10MHz_16QAM_23230_1RB#0_30~1000_30~1000

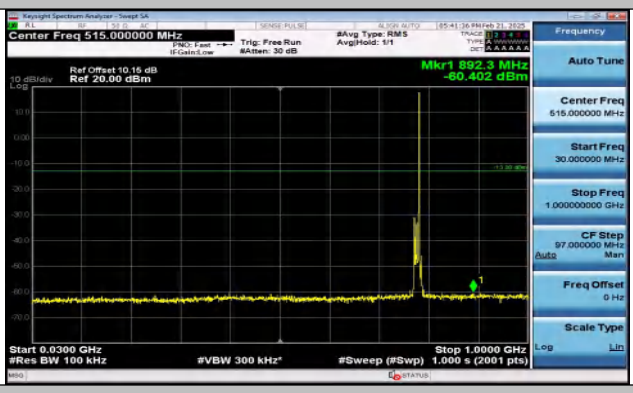
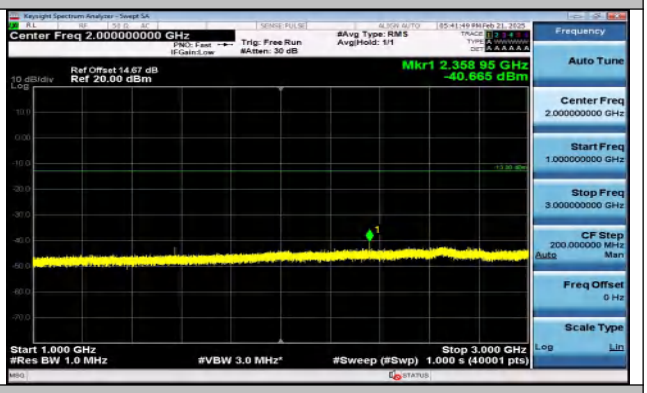
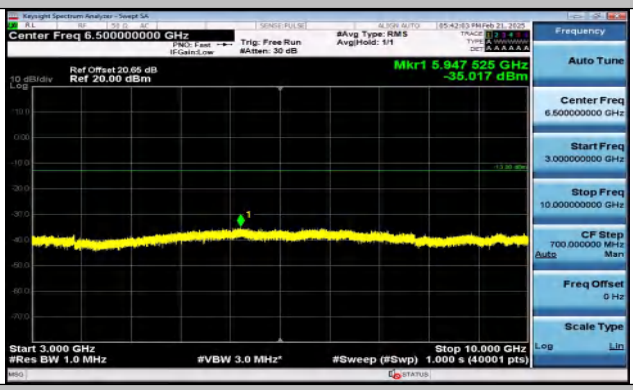


Band13_10MHz_16QAM_23230_1RB#0_1000~3000_1000~3000



Band13_10MHz_16QAM_23230_1RB#0_3000~10000_3000~10000



Band13_10MHz_16QAM_23230_1RB#49_0.009~0.15_0.009~0.15	Band13_10MHz_16QAM_23230_1RB#49_0.15~30_0.15~30
	
Band13_10MHz_16QAM_23230_1RB#49_30~1000_30~1000	Band13_10MHz_16QAM_23230_1RB#49_1000~3000_1000~3000
	
Band13_10MHz_16QAM_23230_1RB#49_3000~10000_3000~10000	

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	19.80	0.025401	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	18.10	0.023220	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	31.86	0.040872	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	12.65	0.016228	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-31.20	-0.040026	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-32.01	-0.041065	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-30.43	-0.038913	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	31.63	0.040448	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	22.12	0.028286	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	11.20	0.014322	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-24.28	-0.031049	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-24.93	-0.031880	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-33.27	-0.042409	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	30.24	0.038547	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	11.09	0.014136	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	19.28	0.024576	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-16.28	-0.020752	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-12.86	-0.016393	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	12.82	0.016394	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	12.46	0.015934	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	12.45	0.015921	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	18.20	0.023348	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	23.95	0.030725	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	25.21	0.032341	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	18.05	0.023156	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	7.91	0.010148	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	25.96	0.033303	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	9.80	0.012572	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	22.67	0.029083	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	1.24	0.001591	±2.5	PASS

Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-10.66	-0.013675	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-7.91	-0.010148	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	-30.08	-0.038589	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-18.04	-0.023143	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-2.37	-0.003040	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-16.69	-0.021411	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-27.71	-0.035548	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-8.28	-0.010622	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-18.91	-0.024259	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	31.13	0.039808	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	27.89	0.035665	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	18.57	0.023747	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	30.17	0.038581	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	15.62	0.019974	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	20.07	0.025665	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	25.16	0.032174	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	29.17	0.037302	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	7.75	0.009910	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-25.01	-0.031982	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-10.91	-0.013951	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-14.89	-0.019041	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-15.29	-0.019552	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-16.08	-0.020563	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-11.80	-0.015090	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-28.02	-0.035831	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-20.59	-0.026330	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	-10.87	-0.013900	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	22.37	0.028515	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	9.96	0.012696	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	30.21	0.038509	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	18.97	0.024181	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	25.05	0.031931	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	28.54	0.036380	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	8.54	0.010886	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	30.17	0.038458	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	25.06	0.031944	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-28.87	-0.036801	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-31.96	-0.040739	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	-30.04	-0.038292	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-22.57	-0.028770	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-13.06	-0.016648	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	20	-23.79	-0.030325	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-8.65	-0.011026	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-17.38	-0.022154	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-24.45	-0.031166	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	13.23	0.016918	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	13.28	0.016982	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	12.37	0.015818	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	13.09	0.016739	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	16.29	0.020831	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	13.63	0.017430	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	14.88	0.019028	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	16.65	0.021292	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	15.19	0.019425	±2.5	PASS