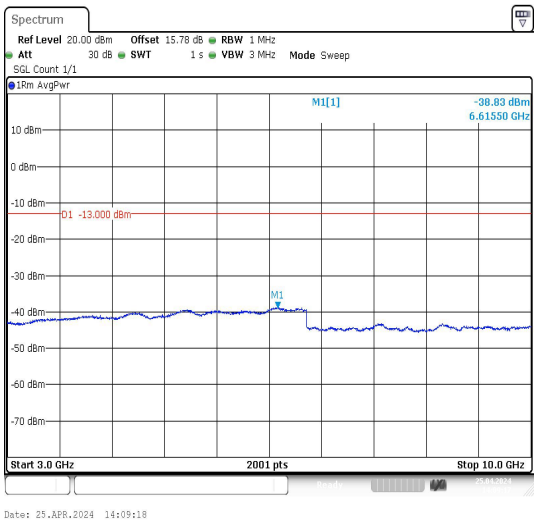
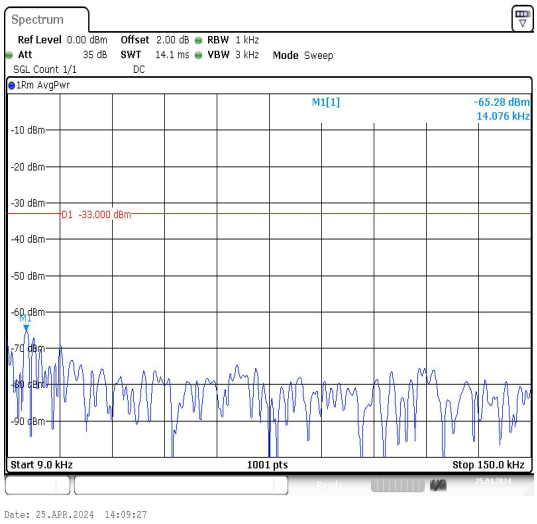
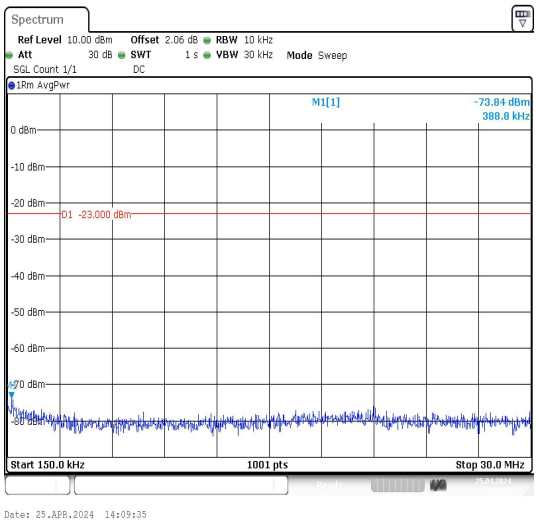


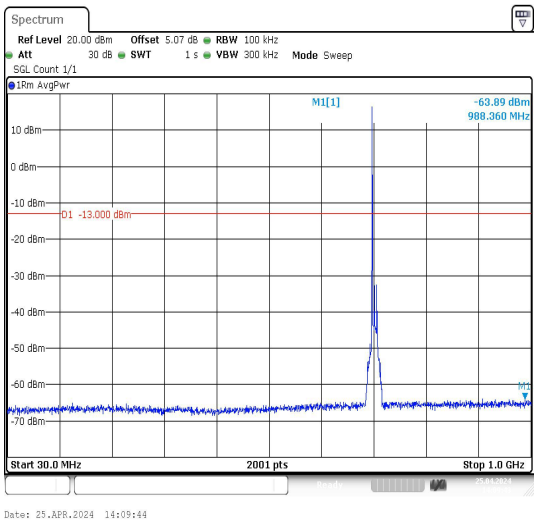
Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



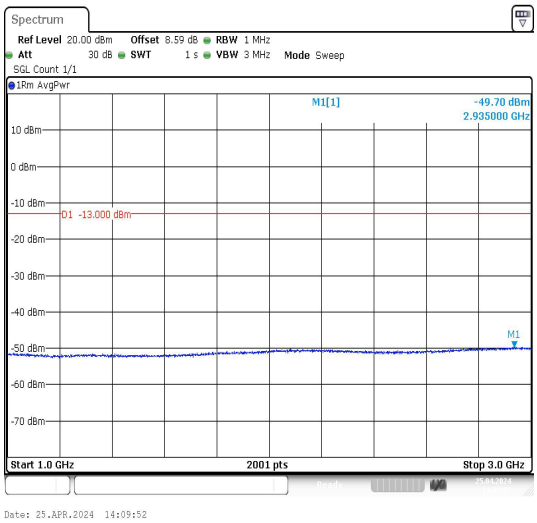
Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

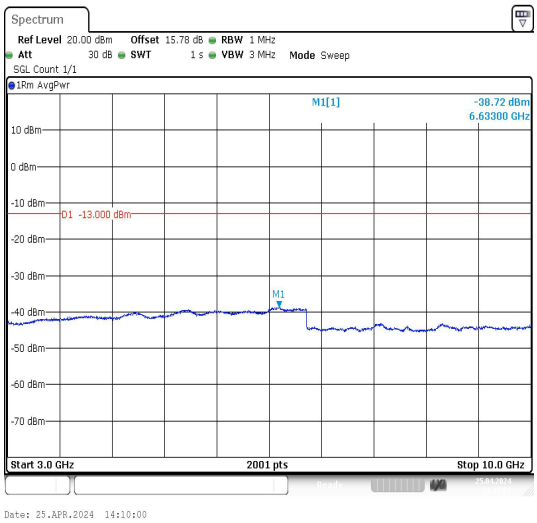


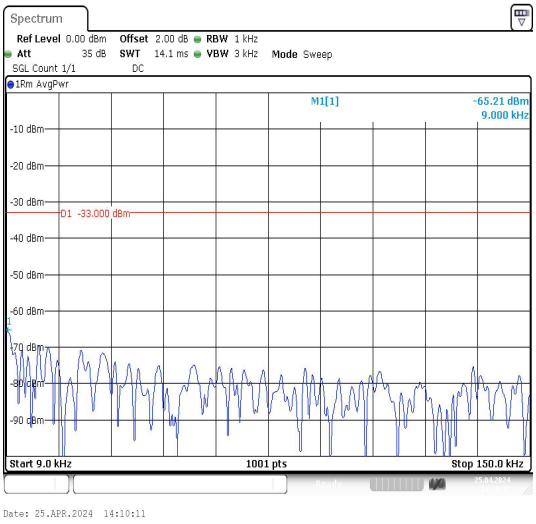
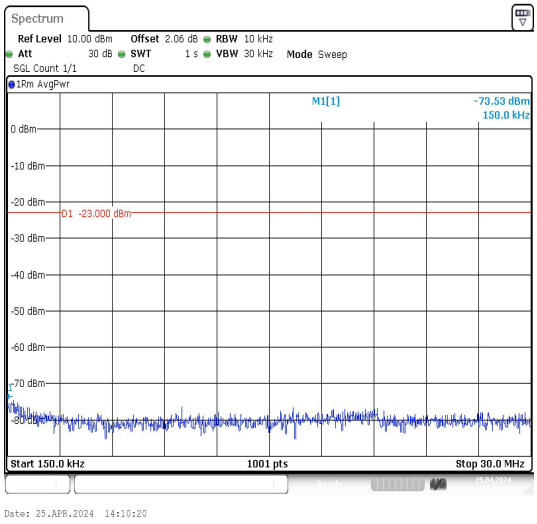
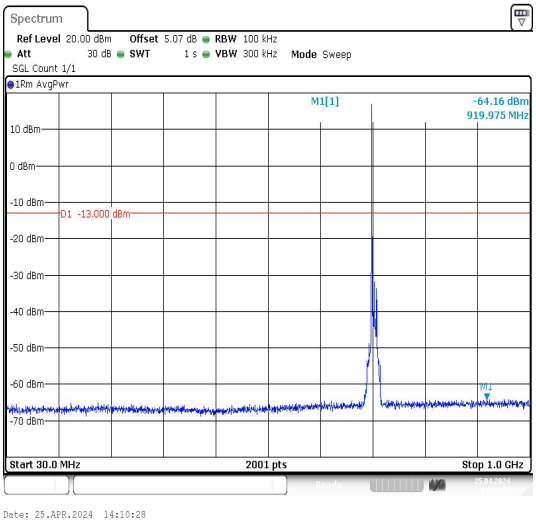
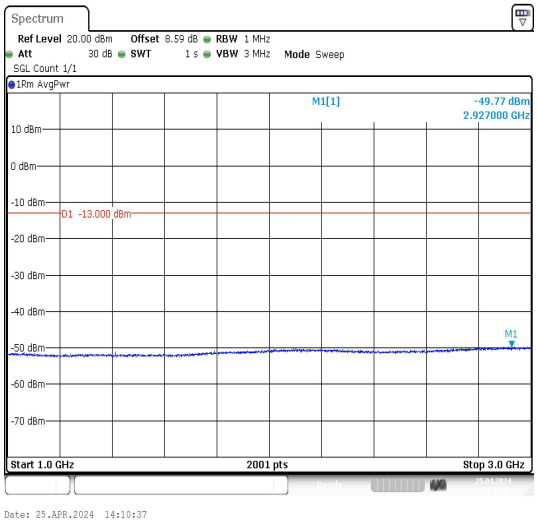
Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30

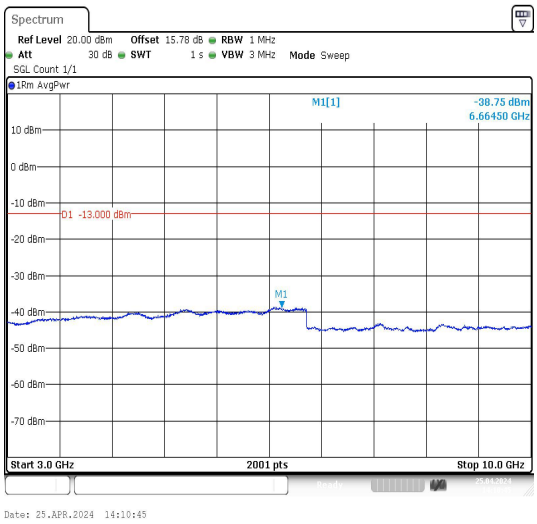


Band17_10MHz_16QAM_23790_1RB#0_30~1000_30~1000

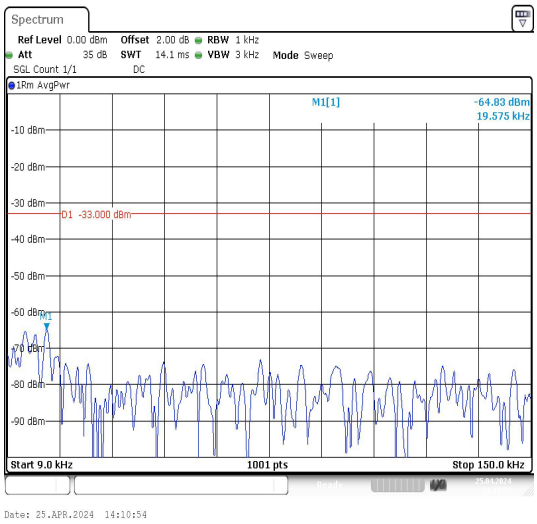




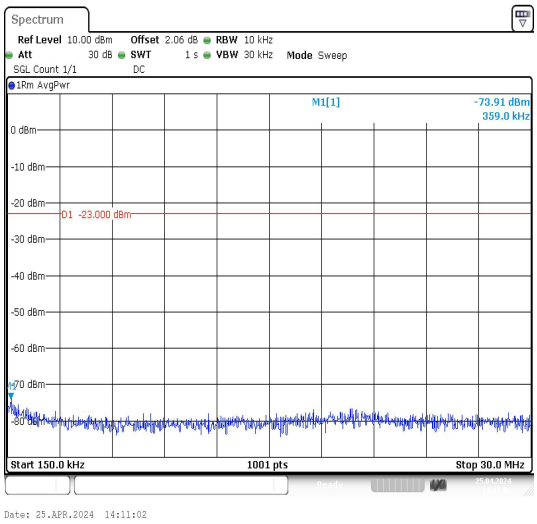
Band17_10MHz_16QAM_23790_1RB#0_1000~3000_1000~3000	Band17_10MHz_16QAM_23790_1RB#0_3000~10000_3000~10000
	
Band17_10MHz_QPSK_23800_1RB#0_0.009~0.15_0.009~0.15	Band17_10MHz_QPSK_23800_1RB#0_0.15~30_0.15~30
	
Band17_10MHz_QPSK_23800_1RB#0_30~1000_30~1000	Band17_10MHz_QPSK_23800_1RB#0_1000~3000_1000~3000



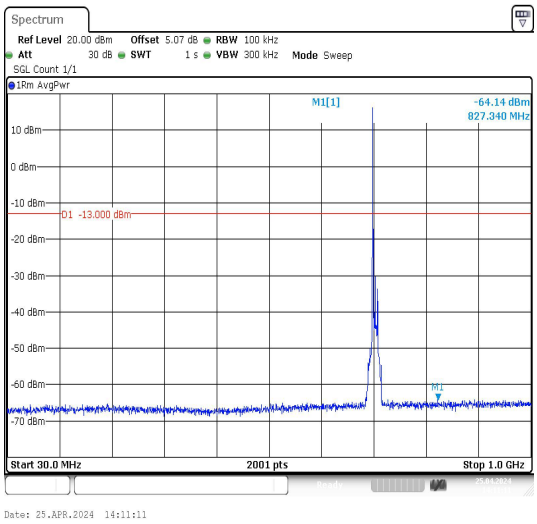
Band17_10MHz_QPSK_23800_1RB#0_3000~10000_3000~10000



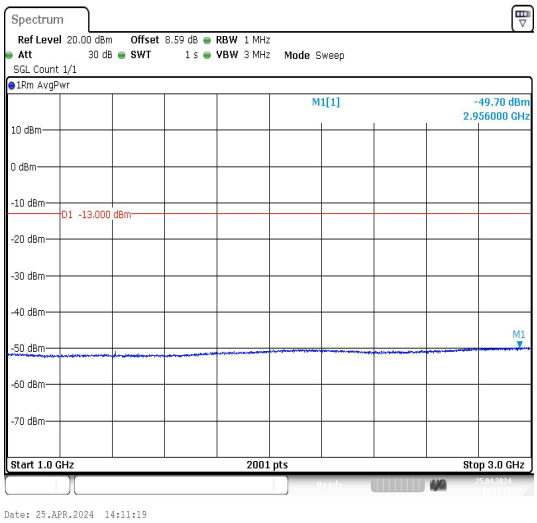
Band17_10MHz_16QAM_23800_1RB#0_0.009~0.15_0.009~0.15

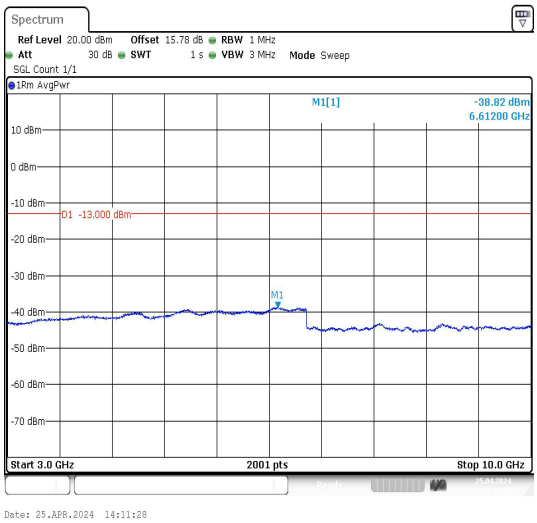


Band17_10MHz_16QAM_23800_1RB#0_0.15~30_0.15~30



Band17_10MHz_16QAM_23800_1RB#0_30~1000_30~1000





Band17_10MHz_16QAM_23800_1RB#0_1000~3000_1000~3000	Band17_10MHz_16QAM_23800_1RB#0_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
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-8.80	-0.012456	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-6.54	-0.009257	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-6.04	-0.008549	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-13.00	-0.018401	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-12.04	-0.017042	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-14.45	-0.020453	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-6.24	-0.008789	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-10.54	-0.014845	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-7.54	-0.010620	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-8.80	-0.012394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-6.34	-0.008930	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-9.04	-0.012732	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-8.35	-0.011703	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-8.14	-0.011409	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-11.19	-0.015683	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-2.29	-0.003210	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-8.45	-0.011843	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-8.57	-0.012011	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-6.98	-0.009845	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-9.20	-0.012976	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-10.39	-0.014654	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-3.35	-0.004725	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-5.48	-0.007729	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-3.16	-0.004457	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-9.03	-0.012718	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-10.47	-0.014746	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-5.48	-0.007718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-8.14	-0.011465	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-7.34	-0.010338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-11.60	-0.016338	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-9.36	-0.013165	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-10.90	-0.015331	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-10.80	-0.015190	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-6.42	-0.009030	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-4.46	-0.006273	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-13.65	-0.019198	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-9.77	-0.013829	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-11.27	-0.015952	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-14.22	-0.020127	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-11.64	-0.016476	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-9.11	-0.012895	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-7.64	-0.010814	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-4.76	-0.006737	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-11.53	-0.016320	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-12.59	-0.017820	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-9.76	-0.013815	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-8.43	-0.011932	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-3.89	-0.005506	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-7.38	-0.010446	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-12.06	-0.017070	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-5.97	-0.008450	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-11.64	-0.016476	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-8.98	-0.012711	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-2.99	-0.004232	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-15.23	-0.021451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-3.62	-0.005099	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-8.37	-0.011789	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-8.05	-0.011338	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-11.27	-0.015873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-7.40	-0.010423	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-9.91	-0.013958	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-8.04	-0.011324	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-14.32	-0.020169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-11.37	-0.016014	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-13.83	-0.019479	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-10.76	-0.015155	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-5.64	-0.007944	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-11.04	-0.015549	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-7.20	-0.010141	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-3.02	-0.004254	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-6.29	-0.008859	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	50	-10.53	-0.014831	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-8.83	-0.012376	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-8.73	-0.012235	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-7.50	-0.010512	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-15.36	-0.021528	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-6.12	-0.008577	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-6.69	-0.009376	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-7.24	-0.010147	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-2.57	-0.003602	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-10.77	-0.015095	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-7.54	-0.010568	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-8.18	-0.011465	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-8.80	-0.012334	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-3.15	-0.004415	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-12.76	-0.017884	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-5.55	-0.007779	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-4.52	-0.006335	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-8.24	-0.011549	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-9.43	-0.013217	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-8.67	-0.012228	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-9.53	-0.013441	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-7.51	-0.010592	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-10.10	-0.014245	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-6.74	-0.009506	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-10.54	-0.014866	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-5.81	-0.008195	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-9.74	-0.013738	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-12.27	-0.017306	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-7.32	-0.010324	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-10.06	-0.014189	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-3.60	-0.005078	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-13.36	-0.018843	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-8.61	-0.012144	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-3.88	-0.005472	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-9.74	-0.013738	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-7.78	-0.010973	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-10.87	-0.015331	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-9.93	-0.013986	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-7.07	-0.009958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-7.25	-0.010211	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-10.41	-0.014662	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	10	-8.97	-0.012634	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-8.11	-0.011423	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-10.93	-0.015394	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-13.12	-0.018479	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-9.14	-0.012873	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-5.04	-0.007099	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-7.24	-0.010197	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-11.73	-0.016521	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-9.47	-0.013338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.23	-0.004549	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-15.85	-0.022324	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-10.69	-0.015056	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-12.53	-0.017648	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-8.78	-0.012366	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-10.26	-0.014430	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-5.29	-0.007440	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-6.25	-0.008790	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-11.00	-0.015471	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-7.00	-0.009845	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-7.68	-0.010802	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-10.63	-0.014951	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-9.06	-0.012743	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-5.21	-0.007328	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-5.29	-0.007440	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-7.14	-0.010042	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-5.08	-0.007145	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-9.70	-0.013643	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-3.86	-0.005429	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-10.23	-0.014388	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-9.26	-0.013024	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-7.11	-0.010000	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-6.84	-0.009620	±2.5	PASS