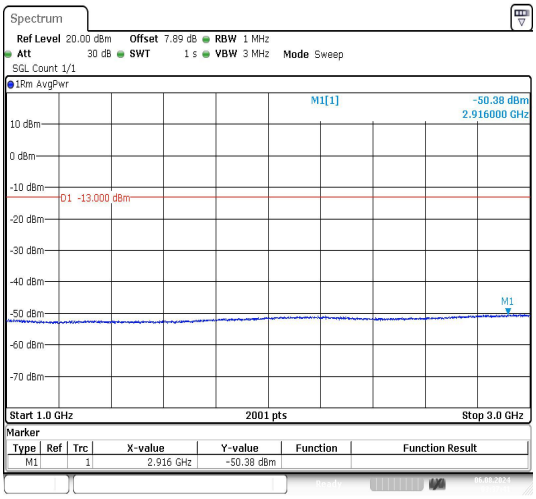
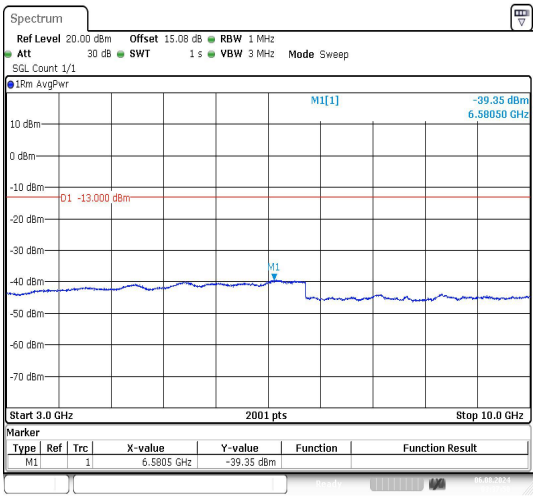
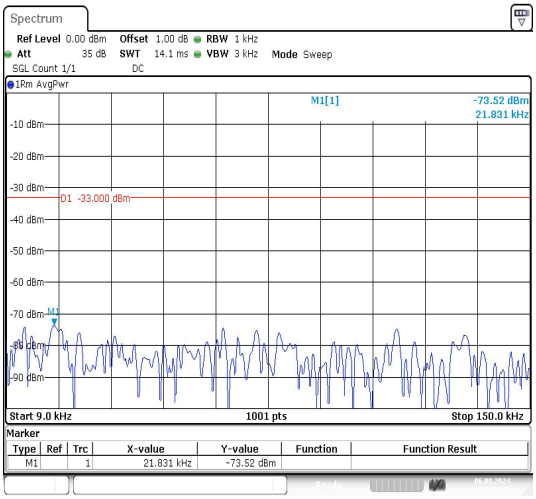
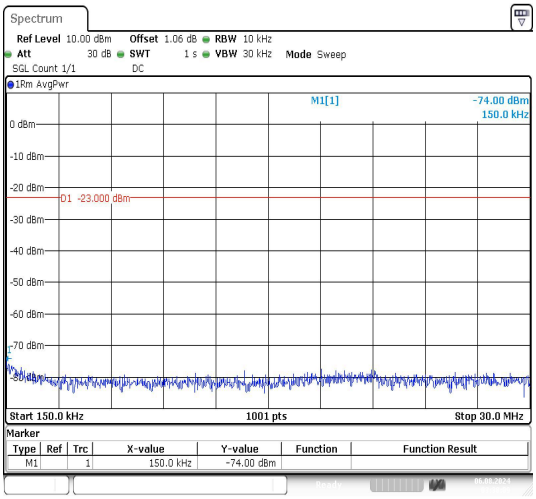
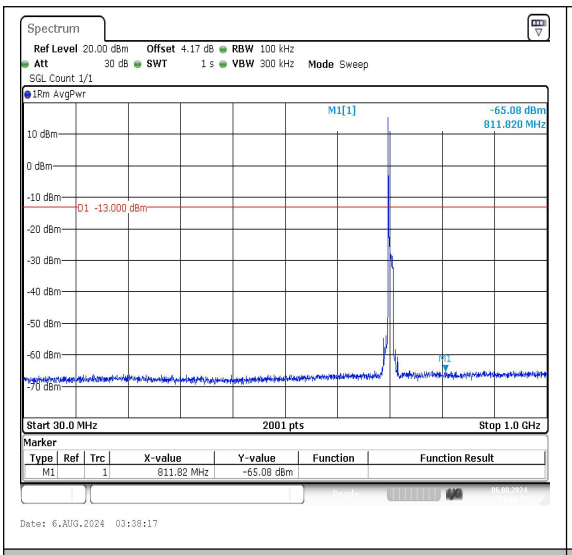
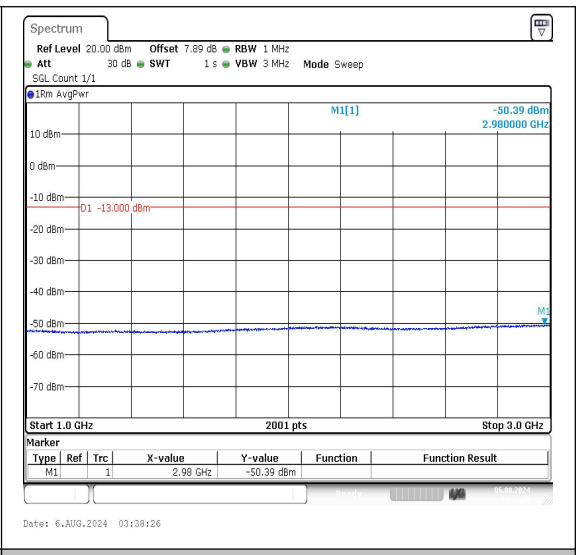
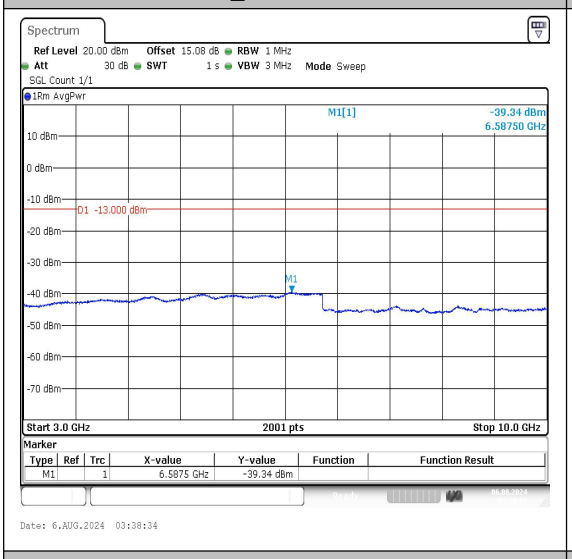
Band17_10MHz_16QAM_23780_1RB#0_0.15~30_0.15~30	Band17_10MHz_16QAM_23780_1RB#0_30~1000_30~1000
	
Band17_10MHz_16QAM_23780_1RB#0_1000~3000_1000~3000	Band17_10MHz_16QAM_23780_1RB#0_3000~10000_3000~10000
	
Band17_10MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15	Band17_10MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



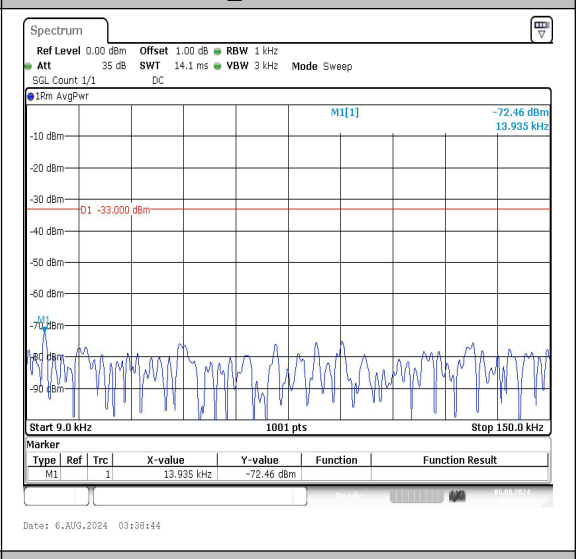
Band17_10MHz_QPSK_23790_1RB#0_30~1000_30~1000



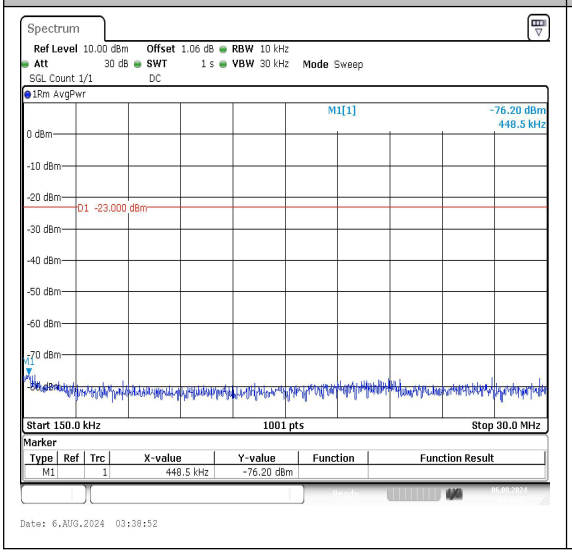
Band17_10MHz_QPSK_23790_1RB#0_1000~3000_1000~3000

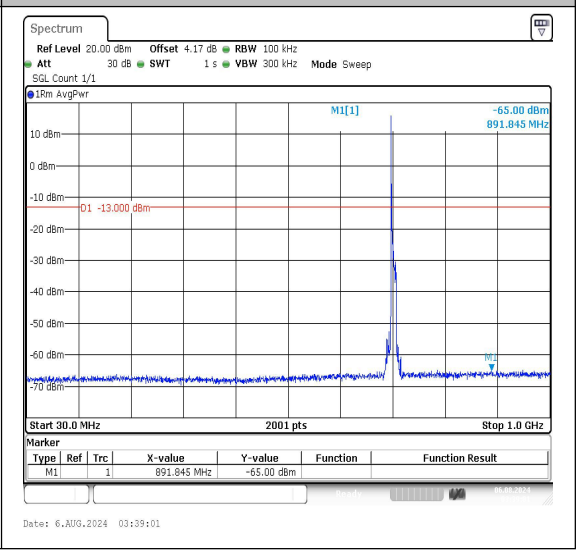


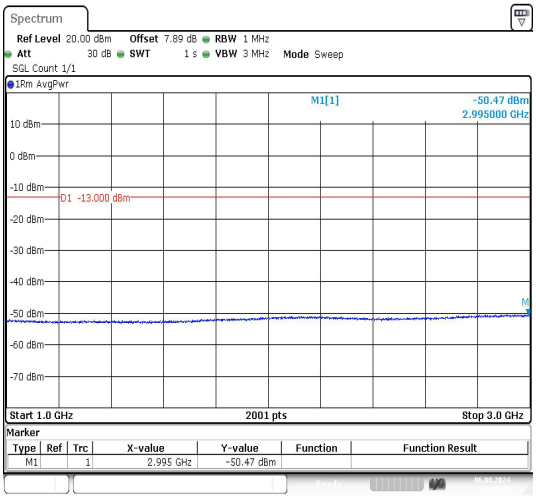
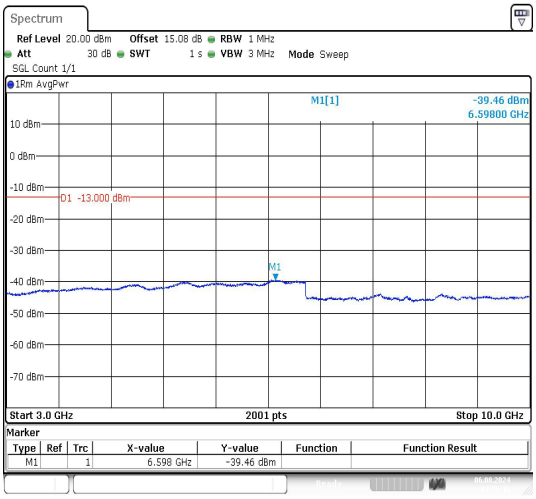
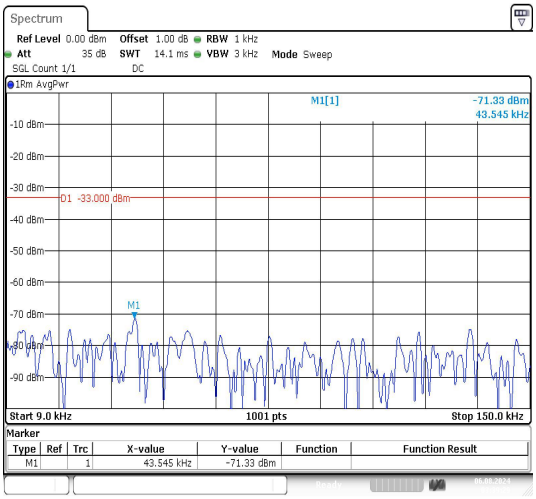
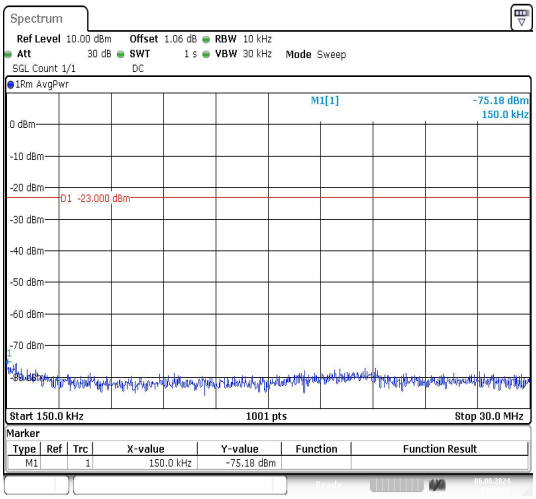
Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000

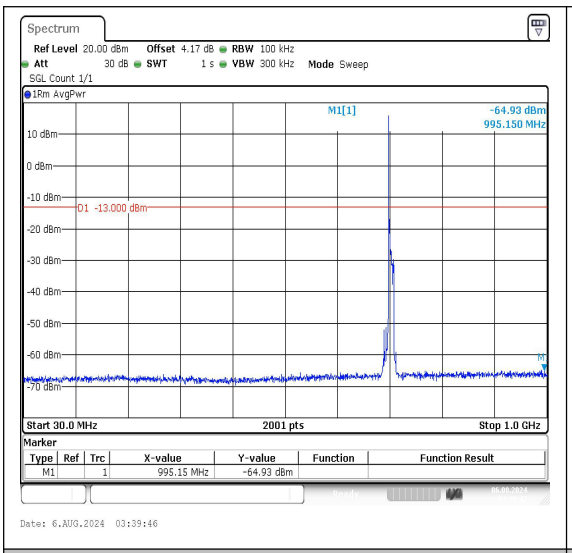


Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

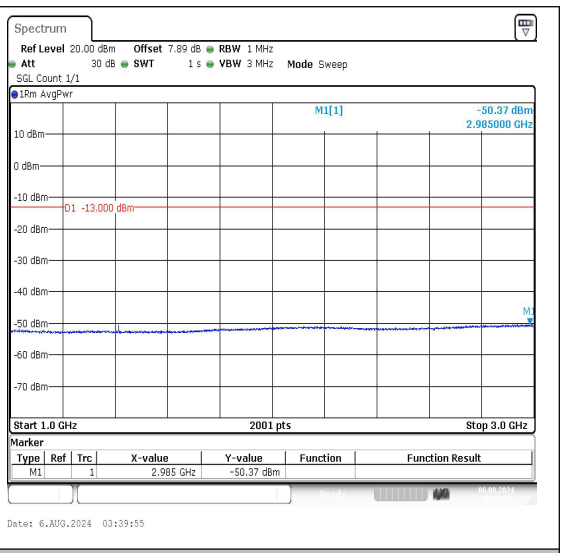




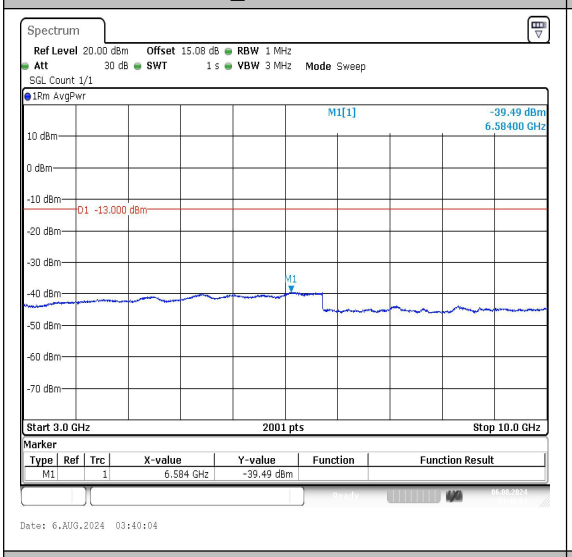
Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30	Band17_10MHz_16QAM_23790_1RB#0_30~1000_30~1000
	
Band17_10MHz_16QAM_23790_1RB#0_1000~3000_1000~3000	Band17_10MHz_16QAM_23790_1RB#0_3000~10000_3000~10000
	
Band17_10MHz_QPSK_23800_1RB#0_0.009~0.15_0.009~0.15	Band17_10MHz_QPSK_23800_1RB#0_0.15~30_0.15~30



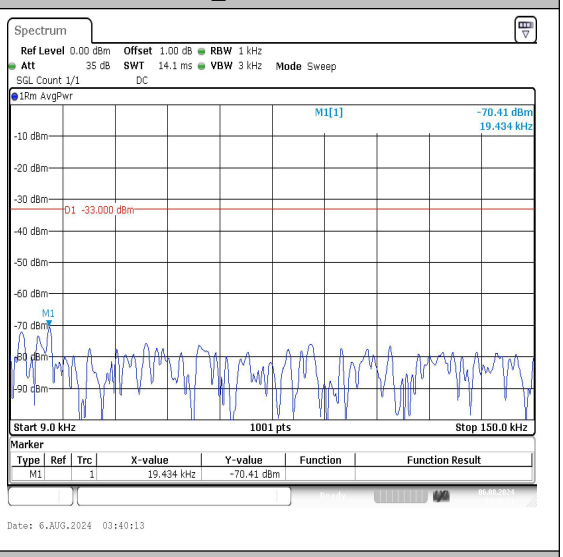
Band17_10MHz_QPSK_23800_1RB#0_30~1000_30~1000



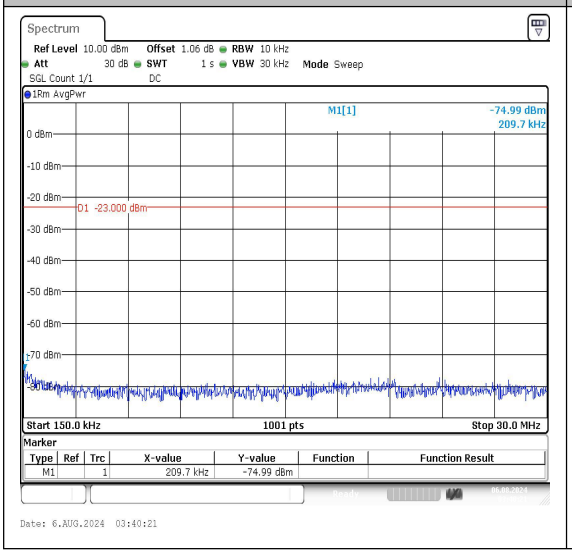
Band17_10MHz_QPSK_23800_1RB#0_1000~3000_1000~3000

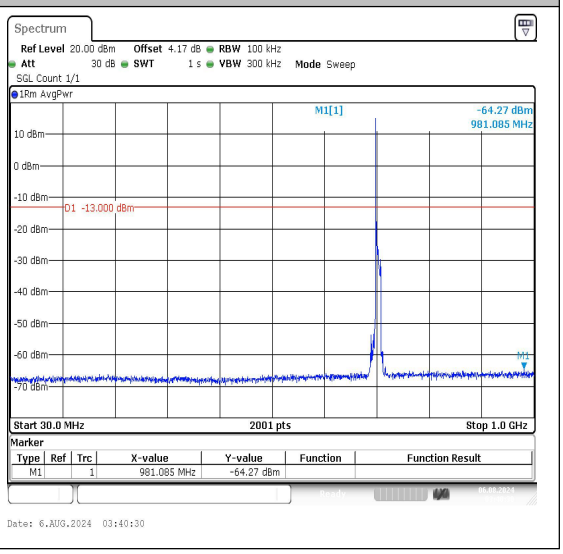


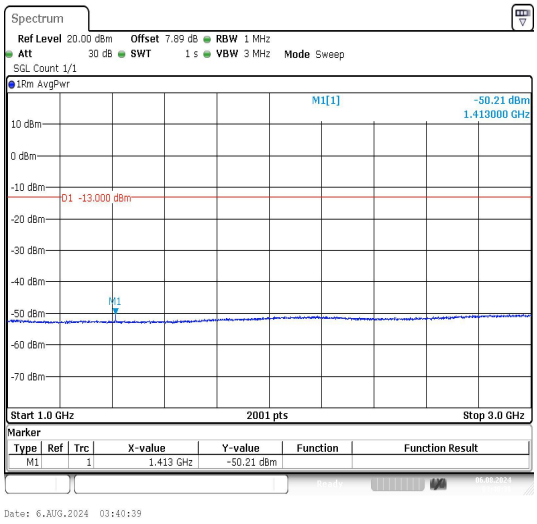
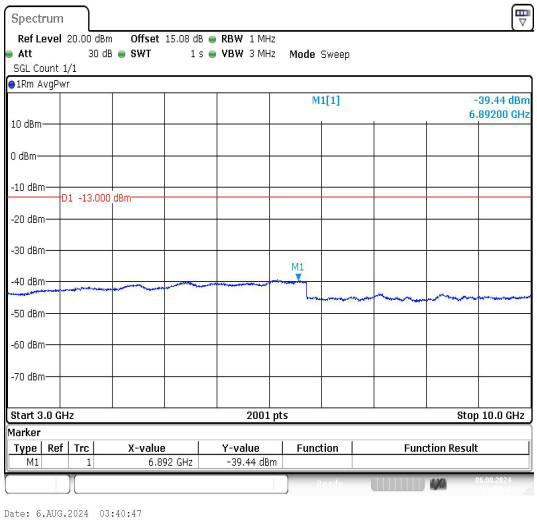
Band17_10MHz_QPSK_23800_1RB#0_3000~10000_3000~10000



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	18.57	0.026285	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	37.65	0.053291	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	42.17	0.059689	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	13.25	0.018754	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	26.74	0.037849	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	43.32	0.061316	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-3.65	-0.005141	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-2.32	-0.003268	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-9.50	-0.013380	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-26.21	-0.036915	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-11.49	-0.016183	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	5.25	0.007394	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-4.48	-0.006279	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-8.78	-0.012306	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-29.27	-0.041023	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-4.38	-0.006139	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	7.04	0.009867	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	17.82	0.024975	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	7.68	0.010832	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	21.63	0.030508	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	22.60	0.031876	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	29.13	0.041086	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	41.87	0.059055	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	6.78	0.009563	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.19	-0.003085	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-3.98	-0.005606	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-17.94	-0.025268	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-15.42	-0.021718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-2.60	-0.003662	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	12.56	0.017690	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-6.39	-0.008987	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-9.96	-0.014008	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-23.62	-0.033221	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-24.43	-0.034360	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-12.99	-0.018270	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	3.09	0.004346	±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	45.79	0.064812	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	50.21	0.071069	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	50.07	0.070870	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	2.69	0.003808	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	4.39	0.006214	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	6.24	0.008832	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	9.21	0.013036	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	12.02	0.017013	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	12.16	0.017212	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-1.93	-0.002732	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	9.93	0.014055	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	16.52	0.023383	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	21.39	0.030276	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	27.44	0.038839	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	29.98	0.042435	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	34.15	0.048337	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	37.28	0.052767	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	41.31	0.058471	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-15.39	-0.021676	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-18.05	-0.025423	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-16.38	-0.023070	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-19.08	-0.026873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-17.29	-0.024352	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-17.84	-0.025127	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-20.91	-0.029451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-23.89	-0.033648	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-26.25	-0.036972	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	13.99	0.019704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	22.16	0.031211	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	31.89	0.044915	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	40.70	0.057324	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	42.72	0.060169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	48.94	0.068930	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	3.23	0.004549	±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	12.07	0.017000	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-44.47	-0.062327	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-3.20	-0.004485	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-13.00	-0.018220	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-22.44	-0.031451	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-28.67	-0.040182	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-35.93	-0.050357	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-42.54	-0.059622	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-46.68	-0.065424	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-48.57	-0.068073	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	27.09	0.037968	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	36.16	0.050680	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	40.83	0.057225	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	2.96	0.004149	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	5.54	0.007765	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	8.87	0.012432	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	11.59	0.016244	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	15.66	0.021948	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	18.04	0.025284	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	22.70	0.032017	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	23.76	0.033512	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	25.62	0.036135	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	24.18	0.034104	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	23.93	0.033752	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	24.62	0.034725	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	27.05	0.038152	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	27.68	0.039041	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	27.14	0.038279	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	15.89	0.022412	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	25.01	0.035275	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	31.66	0.044654	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	38.38	0.054133	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	39.78	0.056107	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	44.76	0.063131	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-3.46	-0.004880	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	2.03	0.002863	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	5.32	0.007504	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-27.59	-0.038859	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-36.89	-0.051958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-45.79	-0.064493	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	0	-5.05	-0.007113	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-10.91	-0.015366	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-11.89	-0.016746	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-12.00	-0.016901	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-13.28	-0.018704	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-13.80	-0.019437	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	21.17	0.029817	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	27.65	0.038944	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	33.46	0.047127	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	37.88	0.053352	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	42.30	0.059577	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	47.36	0.066704	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	3.95	0.005563	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	10.89	0.015338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	14.38	0.020254	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-34.85	-0.049015	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-41.44	-0.058284	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-44.15	-0.062096	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-49.45	-0.069550	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-4.32	-0.006076	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-7.54	-0.010605	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-13.10	-0.018425	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-17.65	-0.024824	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-21.77	-0.030619	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	10.49	0.014754	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	16.84	0.023685	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	20.80	0.029255	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	26.08	0.036681	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	33.30	0.046835	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	34.22	0.048129	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	38.28	0.053840	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	41.56	0.058453	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	41.54	0.058425	±2.5	PASS