

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.82	0.5	21.17	34.8	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.83	0.5	21.18	34.8	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.7	0.5	21.05	34.8	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.01	0.5	20.36	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.74	0.5	21.09	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.83	0.5	21.18	34.8	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.76	0.5	21.11	34.8	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.97	0.5	20.32	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.7	0.5	21.05	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.76	0.5	21.11	34.8	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.66	0.5	21.01	34.8	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.06	0.5	20.41	34.8	PASS
Band17	5MHz	64QAM	23755	1RB#0	20.93	0.5	19.28	34.8	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.21	0.5	19.56	34.8	PASS
Band17	5MHz	64QAM	23755	1RB#24	20.93	0.5	19.28	34.8	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.07	0.5	18.42	34.8	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.02	0.5	19.37	34.8	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.3	0.5	19.65	34.8	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.07	0.5	19.42	34.8	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.04	0.5	18.39	34.8	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.09	0.5	19.44	34.8	PASS
Band17	5MHz	64QAM	23825	1RB#12	20.84	0.5	19.19	34.8	PASS
Band17	5MHz	64QAM	23825	1RB#24	20.99	0.5	19.34	34.8	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.01	0.5	18.36	34.8	PASS
Band17	5MHz	256QAM	23755	1RB#0	17.99	0.5	16.34	34.8	PASS
Band17	5MHz	256QAM	23755	1RB#12	18.15	0.5	16.5	34.8	PASS
Band17	5MHz	256QAM	23755	1RB#24	17.98	0.5	16.33	34.8	PASS
Band17	5MHz	256QAM	23755	25RB#0	18.06	0.5	16.41	34.8	PASS
Band17	5MHz	256QAM	23790	1RB#0	18.05	0.5	16.4	34.8	PASS
Band17	5MHz	256QAM	23790	1RB#12	18.27	0.5	16.62	34.8	PASS
Band17	5MHz	256QAM	23790	1RB#24	18.19	0.5	16.54	34.8	PASS
Band17	5MHz	256QAM	23790	25RB#0	18.08	0.5	16.43	34.8	PASS
Band17	5MHz	256QAM	23825	1RB#0	18.2	0.5	16.55	34.8	PASS
Band17	5MHz	256QAM	23825	1RB#12	18.08	0.5	16.43	34.8	PASS

Band17	5MHz	256QAM	23825	1RB#24	18.04	0.5	16.39	34.8	PASS
Band17	5MHz	256QAM	23825	25RB#0	18.03	0.5	16.38	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.98	0.5	20.33	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.22	0.5	20.57	34.8	PASS
Band17	5MHz	16QAM	23755	1RB#24	22	0.5	20.35	34.8	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.08	0.5	19.43	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.09	0.5	20.44	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.13	0.5	20.48	34.8	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.02	0.5	20.37	34.8	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.97	0.5	19.32	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.03	0.5	20.38	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.15	0.5	20.5	34.8	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.98	0.5	20.33	34.8	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.02	0.5	19.37	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.75	0.5	21.1	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.7	0.5	21.05	34.8	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.62	0.5	20.97	34.8	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.98	0.5	20.33	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.69	0.5	21.04	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.72	0.5	21.07	34.8	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.66	0.5	21.01	34.8	PASS
Band17	10MHz	QPSK	23790	50RB#0	22	0.5	20.35	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.65	0.5	21	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.71	0.5	21.06	34.8	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.62	0.5	20.97	34.8	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.97	0.5	20.32	34.8	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.21	0.5	19.56	34.8	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.15	0.5	19.5	34.8	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.1	0.5	19.45	34.8	PASS
Band17	10MHz	64QAM	23780	50RB#0	19.99	0.5	18.34	34.8	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.01	0.5	19.36	34.8	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.19	0.5	19.54	34.8	PASS
Band17	10MHz	64QAM	23790	1RB#49	20.93	0.5	19.28	34.8	PASS
Band17	10MHz	64QAM	23790	50RB#0	20	0.5	18.35	34.8	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.33	0.5	19.68	34.8	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.11	0.5	19.46	34.8	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.04	0.5	19.39	34.8	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.01	0.5	18.36	34.8	PASS
Band17	10MHz	256QAM	23780	1RB#0	17.88	0.5	16.23	34.8	PASS
Band17	10MHz	256QAM	23780	1RB#24	18.09	0.5	16.44	34.8	PASS

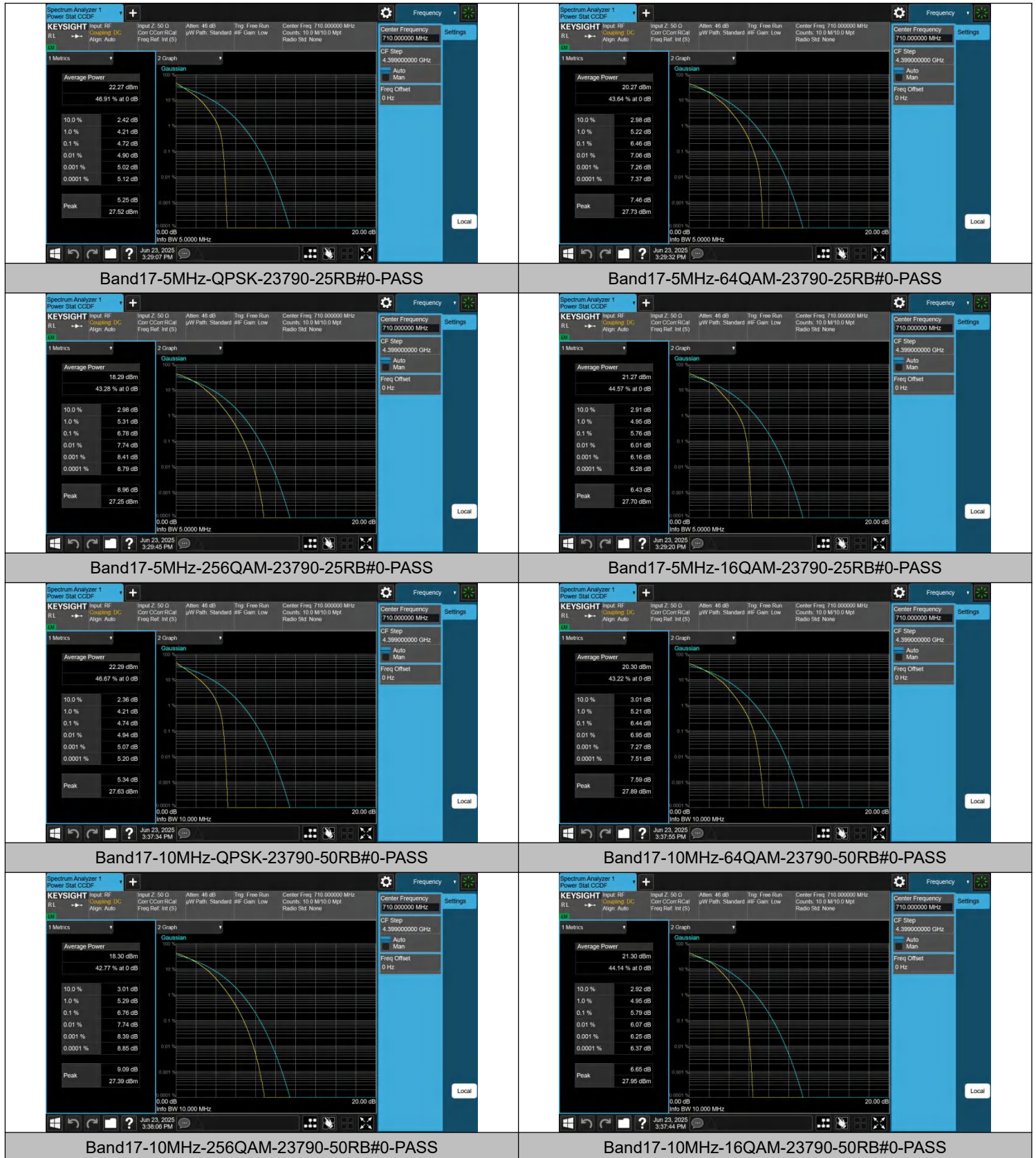
Band17	10MHz	256QAM	23780	1RB#49	18.05	0.5	16.4	34.8	PASS
Band17	10MHz	256QAM	23780	50RB#0	18.06	0.5	16.41	34.8	PASS
Band17	10MHz	256QAM	23790	1RB#0	17.9	0.5	16.25	34.8	PASS
Band17	10MHz	256QAM	23790	1RB#24	18.09	0.5	16.44	34.8	PASS
Band17	10MHz	256QAM	23790	1RB#49	17.95	0.5	16.3	34.8	PASS
Band17	10MHz	256QAM	23790	50RB#0	18.02	0.5	16.37	34.8	PASS
Band17	10MHz	256QAM	23800	1RB#0	17.81	0.5	16.16	34.8	PASS
Band17	10MHz	256QAM	23800	1RB#24	18.05	0.5	16.4	34.8	PASS
Band17	10MHz	256QAM	23800	1RB#49	17.96	0.5	16.31	34.8	PASS
Band17	10MHz	256QAM	23800	50RB#0	18.01	0.5	16.36	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.03	0.5	20.38	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.09	0.5	20.44	34.8	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.86	0.5	20.21	34.8	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.95	0.5	19.3	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.95	0.5	20.3	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.26	0.5	20.61	34.8	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.88	0.5	20.23	34.8	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.02	0.5	19.37	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.97	0.5	20.32	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.16	0.5	20.51	34.8	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.93	0.5	20.28	34.8	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.96	0.5	19.31	34.8	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23790	25RB#0	4.72	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.46	13	PASS
Band17	5MHz	256QAM	23790	25RB#0	6.78	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.76	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.74	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.44	13	PASS
Band17	10MHz	256QAM	23790	50RB#0	6.76	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.79	13	PASS

Test Graphs

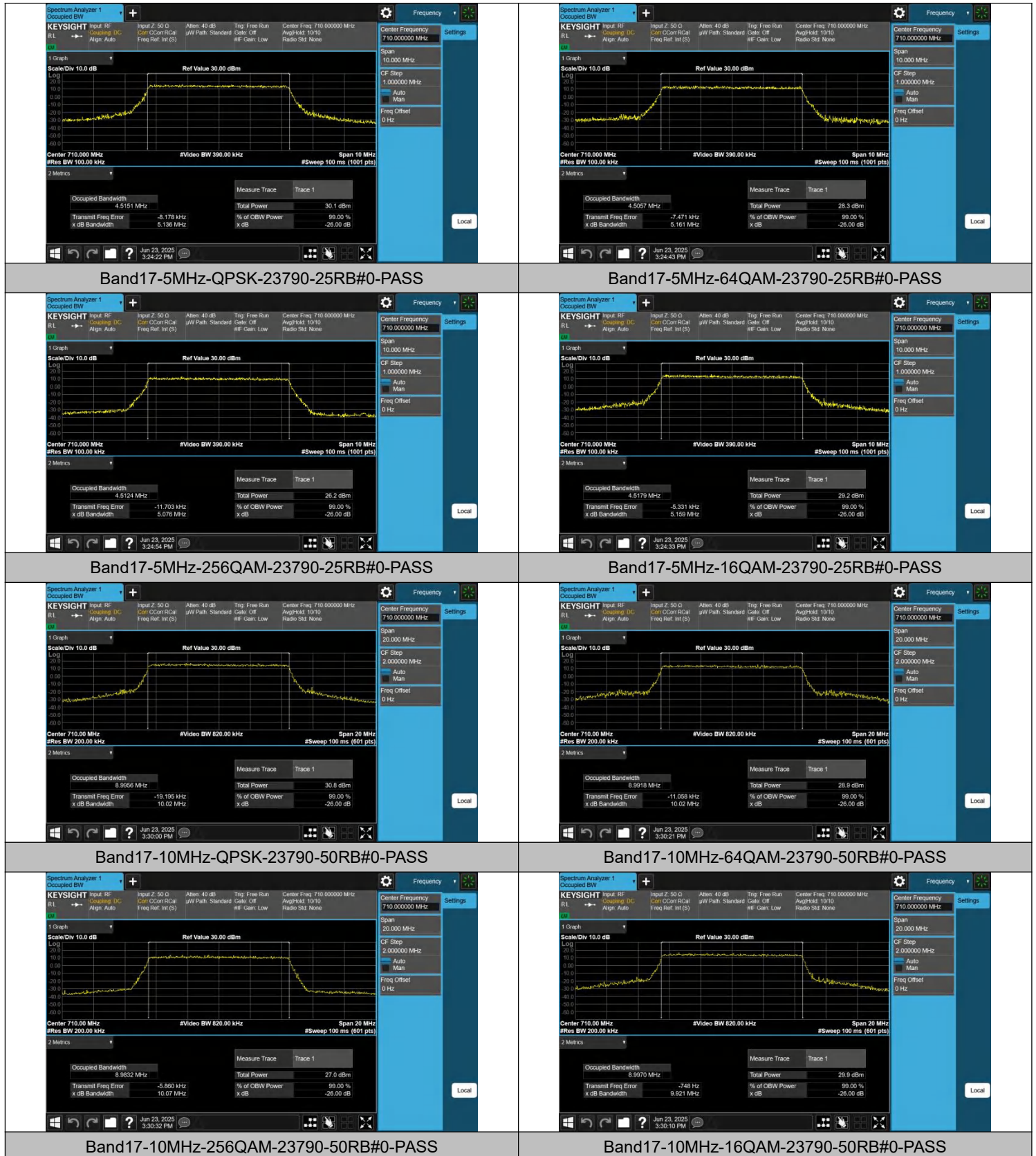


26dB Bandwidth and Occupied Bandwidth

Test Result

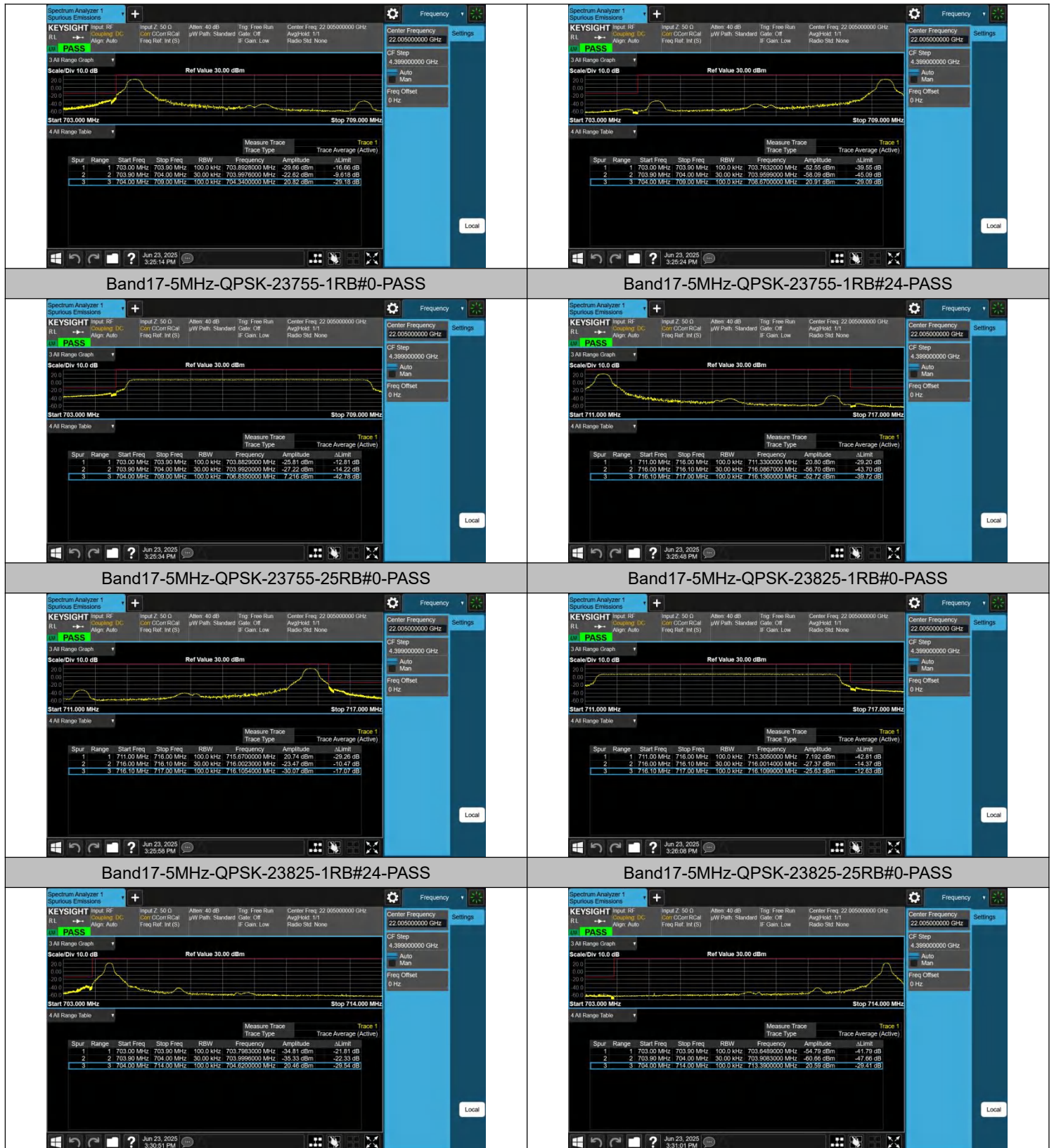
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23790	25RB#0	4.5151	5.136	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.5057	5.161	PASS
Band17	5MHz	256QAM	23790	25RB#0	4.5124	5.076	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5179	5.159	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9956	10.02	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.9918	10.02	PASS
Band17	10MHz	256QAM	23790	50RB#0	8.9832	10.07	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9970	9.921	PASS

Test Graphs



Band Edge

Test Graphs



Band17-10MHz-QPSK-23780-1RB#0-PASS



Band17-10MHz-QPSK-23780-1RB#49-PASS



Band17-10MHz-QPSK-23780-50RB#0-PASS



Band17-10MHz-QPSK-23800-1RB#0-PASS

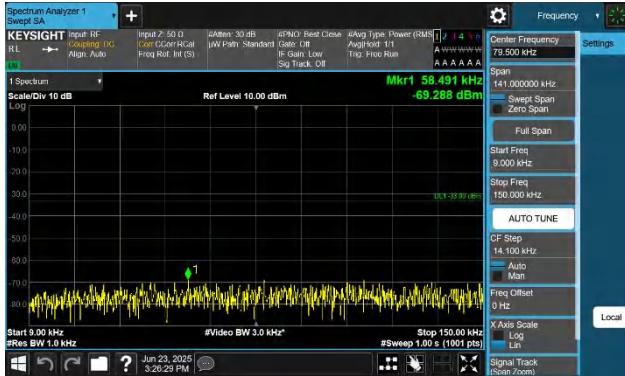


Band17-10MHz-QPSK-23800-1RB#49-PASS

Band17-10MHz-QPSK-23800-50RB#0-PASS

Conducted Spurious Emission

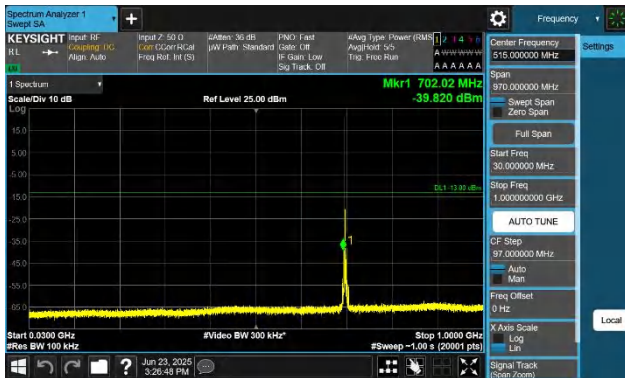
Test Graphs



Band17-5MHz-QPSK-23755-1RB#0-0.009~0.15-PASS



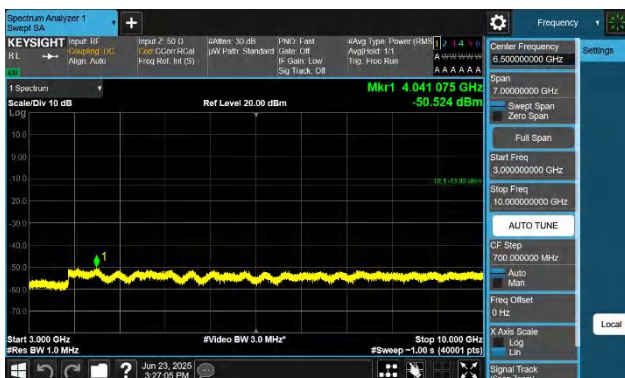
Band17-5MHz-QPSK-23755-1RB#0-0.15~30-PASS



Band17-5MHz-QPSK-23755-1RB#0-30~1000-PASS



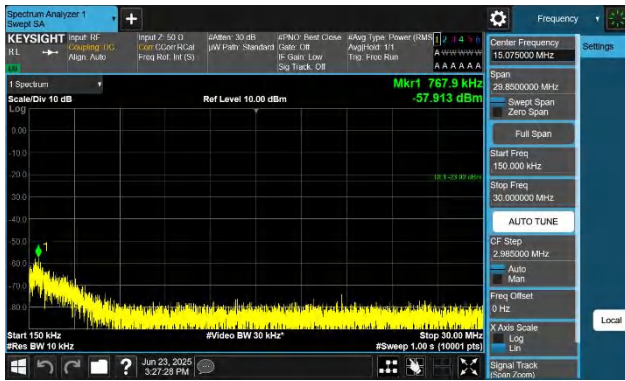
Band17-5MHz-QPSK-23755-1RB#0-1000~3000-PASS



Band17-5MHz-QPSK-23755-1RB#0-3000~10000-PASS



Band17-5MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



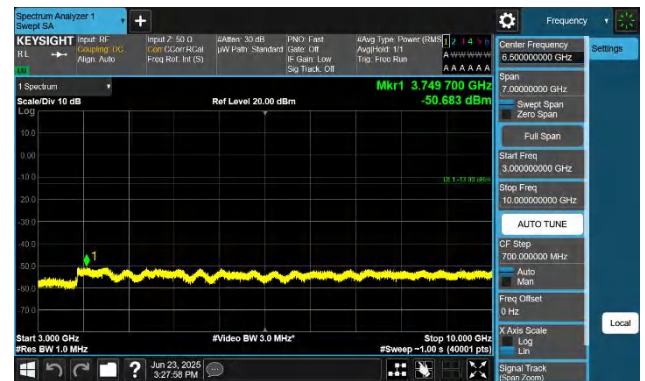
Band17-5MHz-QPSK-23790-1RB#0-0.15~30-PASS



Band17-5MHz-QPSK-23790-1RB#0-30~1000-PASS



Band17-5MHz-QPSK-23790-1RB#0-1000~3000-PASS



Band17-5MHz-QPSK-23790-1RB#0-3000~10000-PASS



Band17-5MHz-QPSK-23825-1RB#0-0.009~0.15-PASS



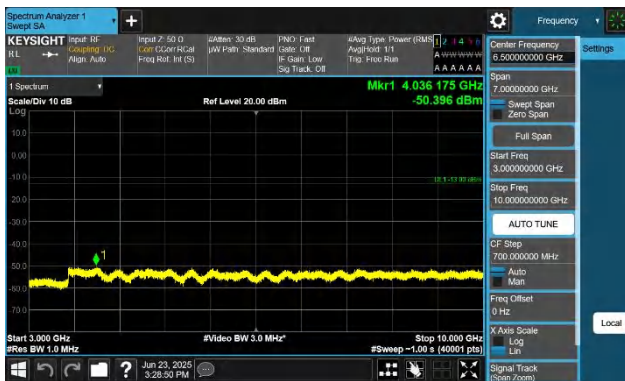
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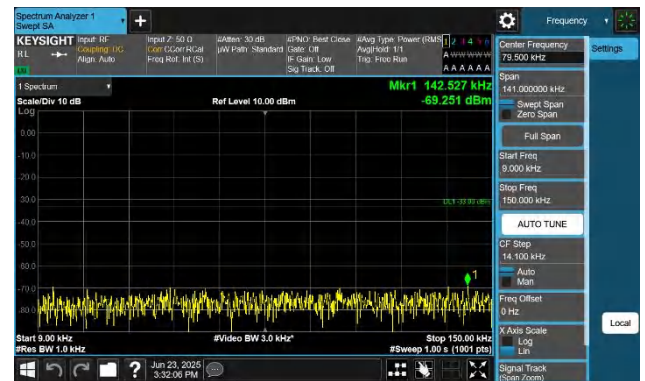
Band17-5MHz-QPSK-23825-1RB#0-30~1000-PASS



Band17-5MHz-QPSK-23825-1RB#0-1000~3000-PASS



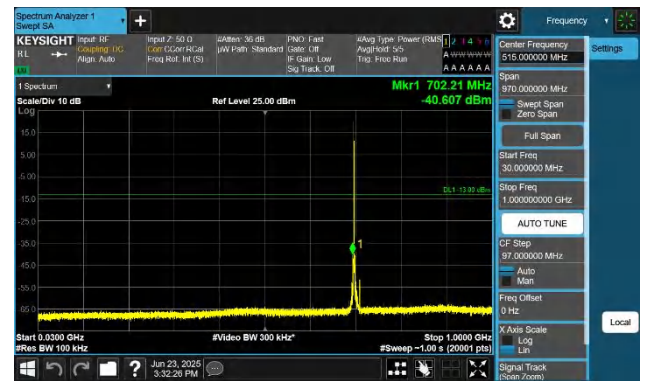
Band17-5MHz-QPSK-23825-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23780-1RB#0-0.009~0.15-PASS



Band17-10MHz-QPSK-23780-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23780-1RB#0-30~1000-PASS



Band17-10MHz-QPSK-23780-1RB#0-1000~3000-PASS



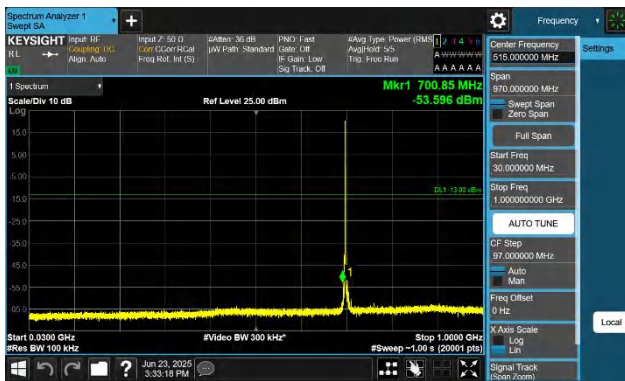
Band17-10MHz-QPSK-23780-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



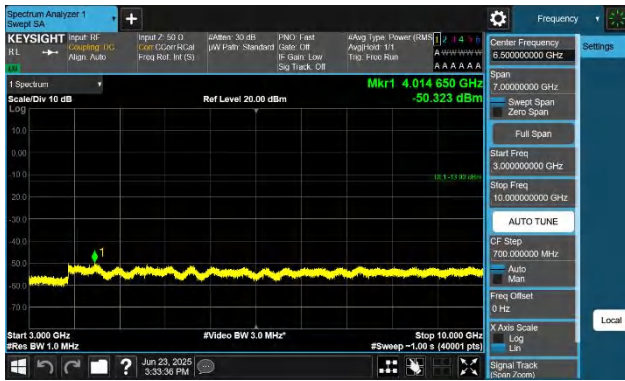
Band17-10MHz-QPSK-23790-1RB#0-0.15~30-PASS



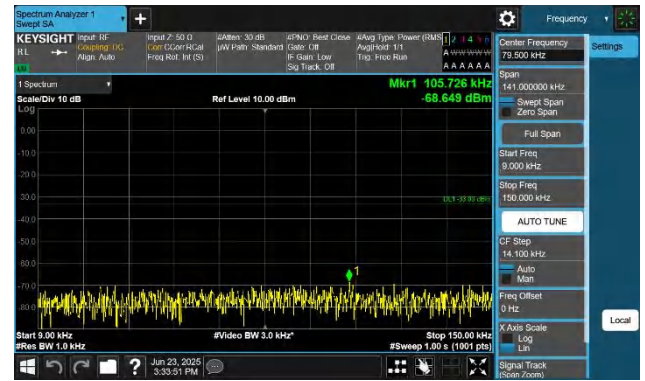
Band17-10MHz-QPSK-23790-1RB#0-30~1000-PASS



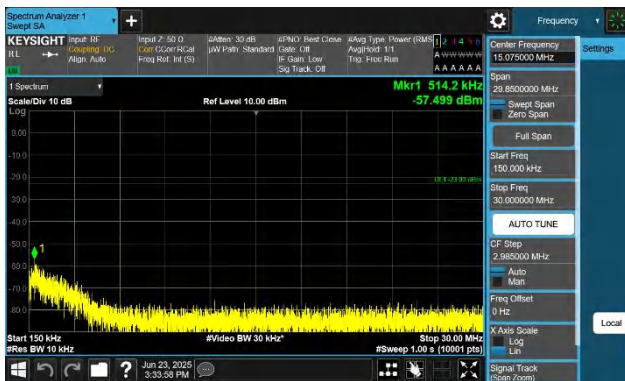
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



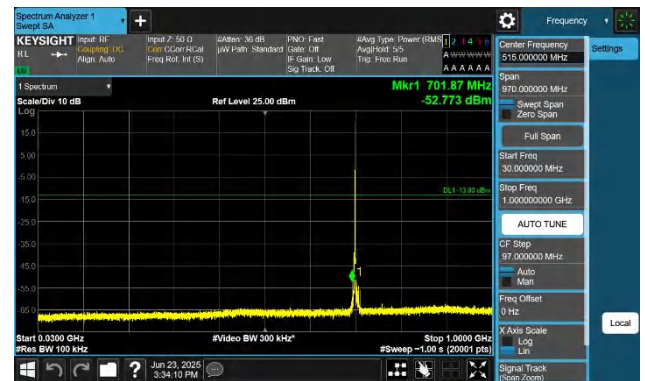
Band17-10MHz-QPSK-23790-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23800-1RB#0-0.009~0.15-PASS



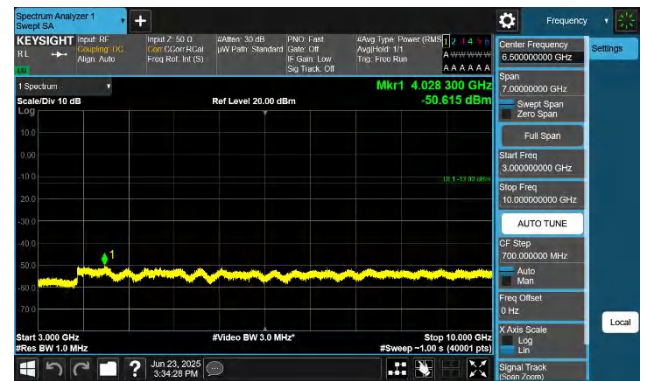
Band17-10MHz-QPSK-23800-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



Band17-10MHz-QPSK-23800-1RB#0-1000~3000-PASS



Band17-10MHz-QPSK-23800-1RB#0-3000~10000-PASS

Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 17	10MHz	QPSK	23790	50RB#0	VN	NT	-4280.00	-6.028169	±NA	705.52682	714.46462	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	VL	NT	-2430.00	-3.422535	±NA	705.52947	714.46567	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	VH	NT	-6670.00	-9.394366	±NA	705.52388	714.46278	704-716	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 17	10MHz	QPSK	23790	50RB#0	NV	-30	-6090.00	-8.577465	±NA	705.52416	714.46366	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	-20	-2720.00	-3.830986	±NA	705.52963	714.46493	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	-10	-4240.00	-5.971831	±NA	705.52151	714.47001	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	0	-4450.00	-6.267606	±NA	705.52795	714.46315	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	10	-5120.00	-7.211268	±NA	705.52368	714.46608	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	20	-3810.00	-5.366197	±NA	705.52969	714.46269	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	30	-1020.00	-1.436620	±NA	705.52993	714.46803	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	40	-2040.00	-2.873239	±NA	705.52756	714.46836	704-716	PASS
Band 17	10MHz	QPSK	23790	50RB#0	NV	50	-8210.00	-11.563380	±NA	705.52194	714.46164	704-716	PASS

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