Maximum power spectral density

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/5MHz)	Gain (dBi)	E(I)RP (dBm/5MHz)	Limit (dBm/5MHz)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	23.16	-5.7	17.46	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	23.22	-5.7	17.52	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.98	-5.7	17.28	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.38	-5.7	15.68	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	23.17	-5.7	17.47	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	23.03	-5.7	17.33	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	23.29	-5.7	17.59	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.35	-5.7	15.65	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	23.15	-5.7	17.45	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	23.18	-5.7	17.48	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	23.19	-5.7	17.49	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.44	-5.7	15.74	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#0	21.65	-5.7	15.95	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#12	21.52	-5.7	15.82	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#24	21.7	-5.7	16	23.98	PASS
Band30	5MHz	64QAM	27685	25RB#0	19.46	-5.7	13.76	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#0	21.75	-5.7	16.05	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#12	21.64	-5.7	15.94	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#24	21.75	-5.7	16.05	23.98	PASS
Band30	5MHz	64QAM	27710	25RB#0	19.5	-5.7	13.8	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#0	21.49	-5.7	15.79	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#12	21.45	-5.7	15.75	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#24	21.56	-5.7	15.86	23.98	PASS
Band30	5MHz	64QAM	27735	25RB#0	19.72	-5.7	14.02	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#0	18.44	-5.7	12.74	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#12	19.13	-5.7	13.43	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#24	18.44	-5.7	12.74	23.98	PASS
Band30	5MHz	256QAM	27685	25RB#0	17.37	-5.7	11.67	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#0	18.69	-5.7	12.99	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#12	18.65	-5.7	12.95	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#24	18.93	-5.7	13.23	23.98	PASS
Band30	5MHz	256QAM	27710	25RB#0	17.52	-5.7	11.82	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#0	18.83	-5.7	13.13	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#12	19.06	-5.7	13.36	23.98	PASS

Band30	5MHz	256QAM	27735	1RB#24	18.5	-5.7	12.8	23.98	PASS
Band30	5MHz	256QAM	27735	25RB#0	17.49	-5.7	11.79	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#0	22.74	-5.7	17.04	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#12	22.76	-5.7	17.06	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#24	22.64	-5.7	16.94	23.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.44	-5.7	14.74	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#0	22.34	-5.7	16.64	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	22.46	-5.7	16.76	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#24	22.46	-5.7	16.76	23.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	20.43	-5.7	14.73	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#0	22.84	-5.7	17.14	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#12	22.72	-5.7	17.02	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#24	22.51	-5.7	16.81	23.98	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.48	-5.7	14.78	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	23.16	-5.7	17.46	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	23.1	-5.7	17.4	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	23.23	-5.7	17.53	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	19.76	-5.7	14.06	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#0	22.19	-5.7	16.49	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#24	21.53	-5.7	15.83	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#49	21.67	-5.7	15.97	23.98	PASS
Band30	10MHz	64QAM	27710	50RB#0	17.76	-5.7	12.06	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#0	18.66	-5.7	12.96	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#24	18.63	-5.7	12.93	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#49	18.44	-5.7	12.74	23.98	PASS
Band30	10MHz	256QAM	27710	50RB#0	15.8	-5.7	10.1	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#0	23	-5.7	17.3	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#24	22.97	-5.7	17.27	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#49	22.78	-5.7	17.08	23.98	PASS
Band30	10MHz	16QAM	27710	50RB#0	18.73	-5.7	13.03	23.98	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	4.72	13	PASS
Band30	5MHz	64QAM	27710	25RB#0	6.34	13	PASS
Band30	5MHz	256QAM	27710	25RB#0	6.72	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	5.56	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.71	13	PASS
Band30	10MHz	64QAM	27710	50RB#0	6.28	13	PASS
Band30	10MHz	256QAM	27710	50RB#0	6.68	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	5.58	13	PASS

Test Graphs

Band30-5MHz-QPSK-27710-25RB#0-PASS

Band30-5MHz-64QAM-27710-25RB#0-PASS

Band30-5MHz-256QAM-27710-25RB#0-PASS

Band30-5MHz-16QAM-27710-25RB#0-PASS

Band30-10MHz-QPSK-27710-50RB#0-PASS

Band30-10MHz-64QAM-27710-50RB#0-PASS

Band30-10MHz-256QAM-27710-50RB#0-PASS

Band30-10MHz-16QAM-27710-50RB#0-PASS

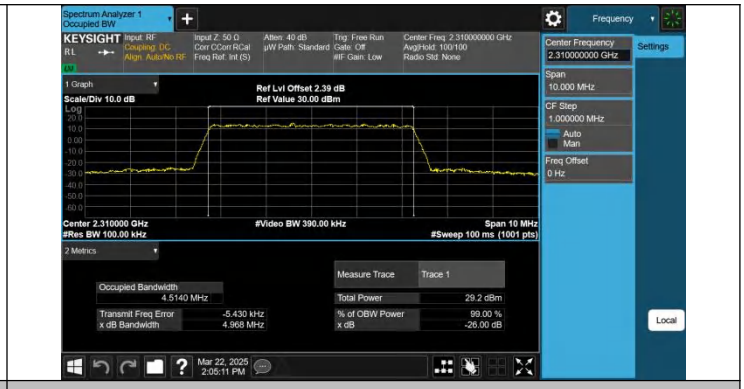
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	4.5082	4.974	PASS
Band30	5MHz	64QAM	27710	25RB#0	4.5140	4.968	PASS
Band30	5MHz	256QAM	27710	25RB#0	4.5157	5.012	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.5233	4.986	PASS
Band30	10MHz	QPSK	27710	50RB#0	9.0000	9.888	PASS
Band30	10MHz	64QAM	27710	50RB#0	8.9818	9.821	PASS
Band30	10MHz	256QAM	27710	50RB#0	8.9795	9.772	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.9926	9.827	PASS

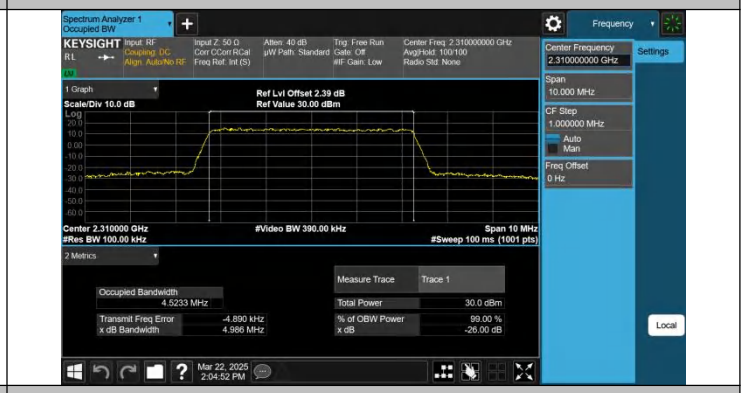
Test Graphs

Band30-5MHz-QPSK-27710-25RB#0-PASS

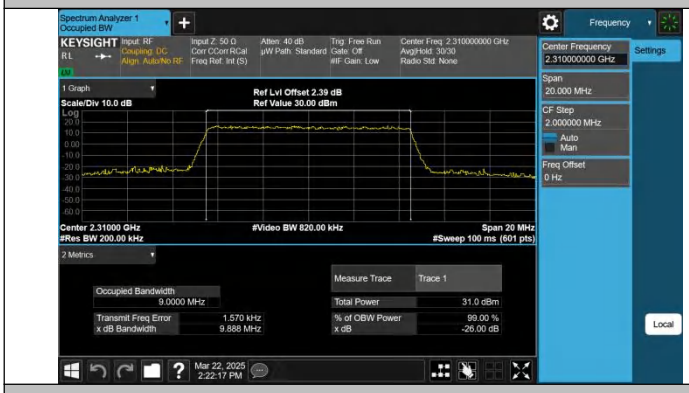


Band30-5MHz-64QAM-27710-25RB#0-PASS

Band30-5MHz-256QAM-27710-25RB#0-PASS



Band30-5MHz-16QAM-27710-25RB#0-PASS



Band30-10MHz-QPSK-27710-50RB#0-PASS

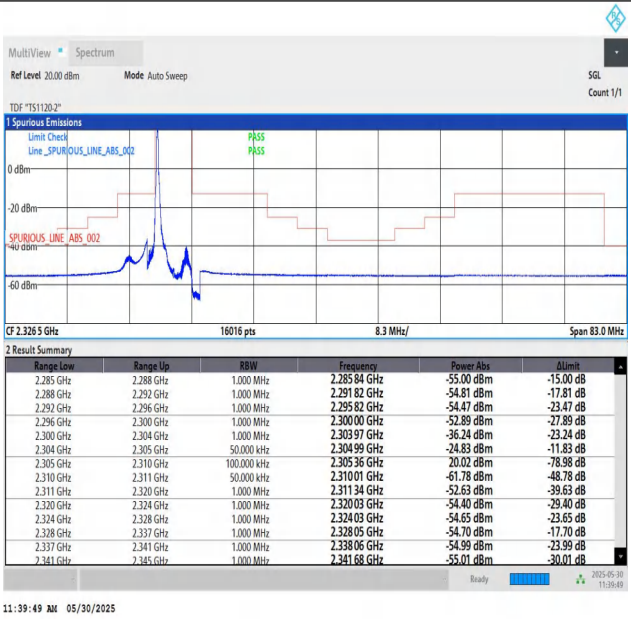
Band30-10MHz-64QAM-27710-50RB#0-PASS

Band30-10MHz-256QAM-27710-50RB#0-PASS

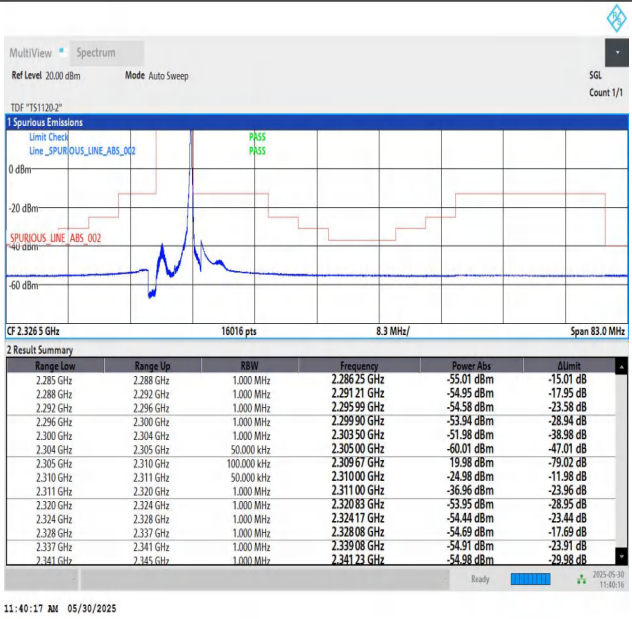
Band30-10MHz-16QAM-27710-50RB#0-PASS

Band Edge

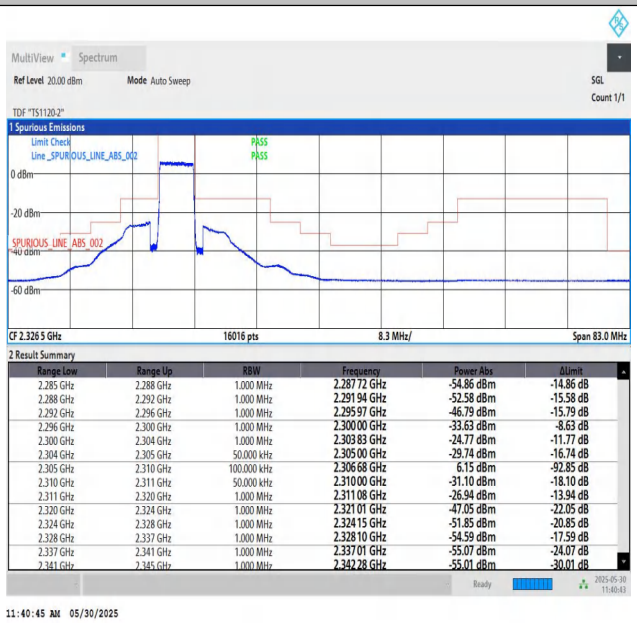
Test Graphs



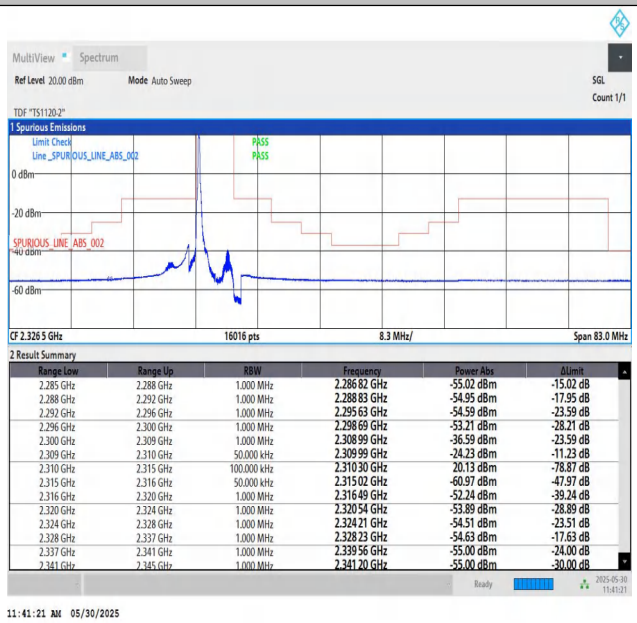
Band30-5MHz-QPSK-27685-1RB#0-PASS



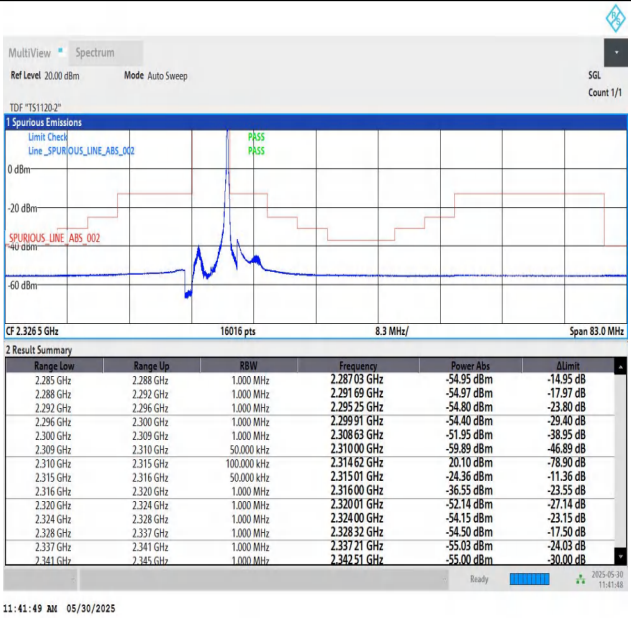
Band30-5MHz-QPSK-27685-1RB#24-PASS



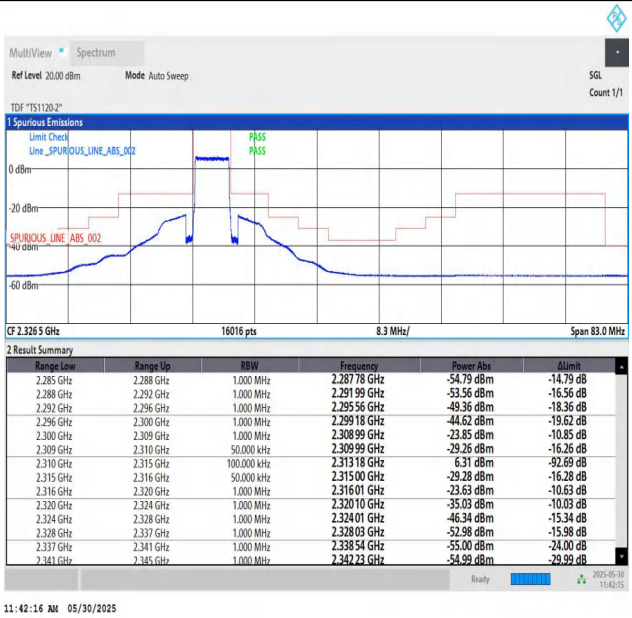
Band30-5MHz-QPSK-27685-25RB#0-PASS



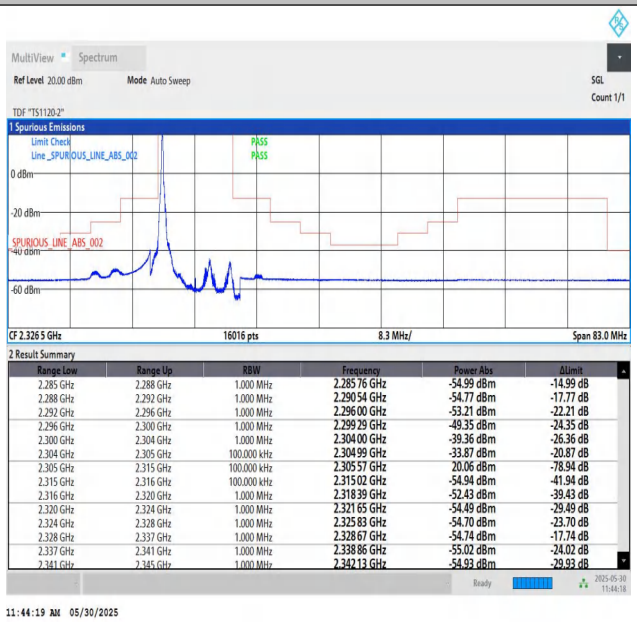
Band30-5MHz-QPSK-27735-1RB#0-PASS



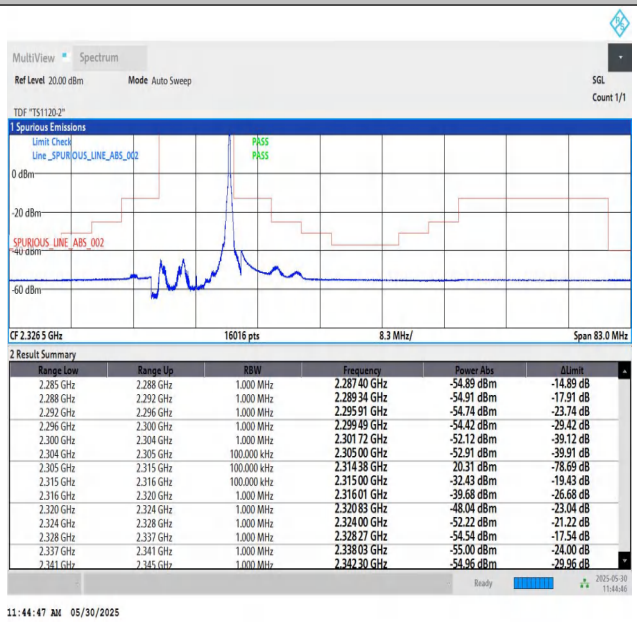
Band30-5MHz-QPSK-27735-1RB#24-PASS



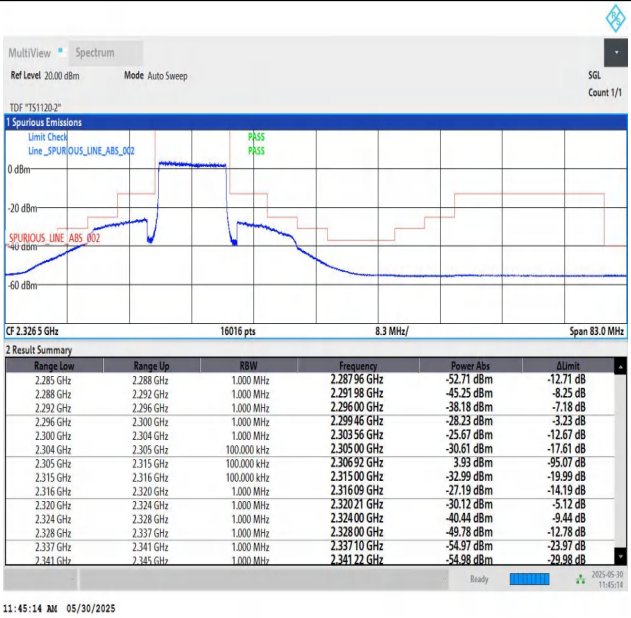
Band30-5MHz-QPSK-27735-25RB#0-PASS



Band30-10MHz-QPSK-27710-1RB#0-PASS



Band30-10MHz-QPSK-27710-1RB#49-PASS

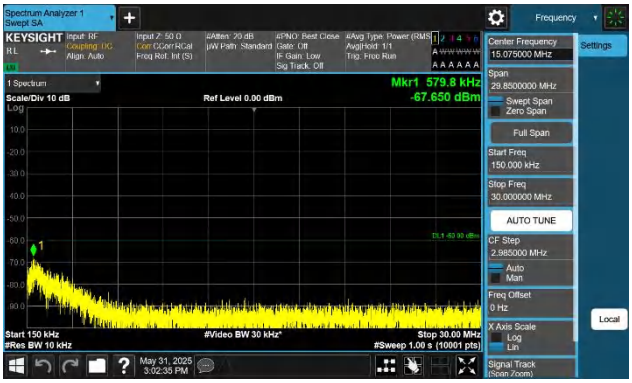


Band30-10MHz-QPSK-27710-50RB#0-PASS

Conducted Spurious Emission

Test Graphs

Band30-5MHz-QPSK-27685-1RB#0-0.009~0.15-PASS



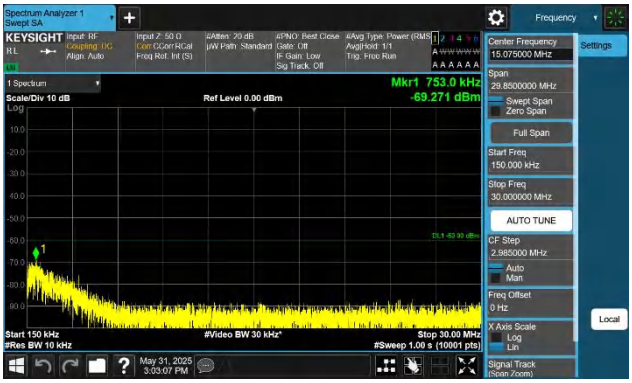
Band30-5MHz-QPSK-27685-1RB#0-0.15~30-PASS

Band30-5MHz-QPSK-27685-1RB#0-30~1000-PASS

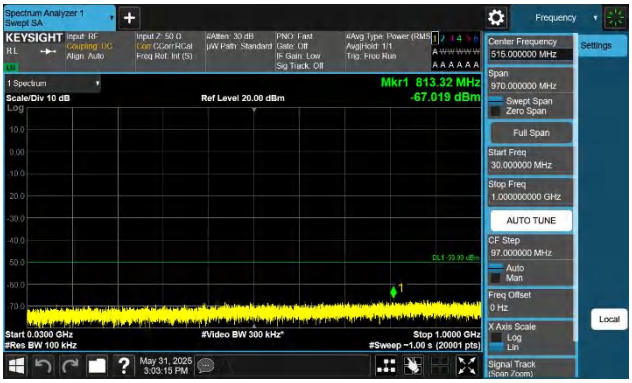
Band30-5MHz-QPSK-27685-1RB#0-1000~3000-PASS

Band30-5MHz-QPSK-27685-1RB#0-3000~26500-PASS

Band30-5MHz-QPSK-27685-1RB#24-0.009~0.15-PASS



Band30-5MHz-QPSK-27685-1RB#24-0.15~30-PASS



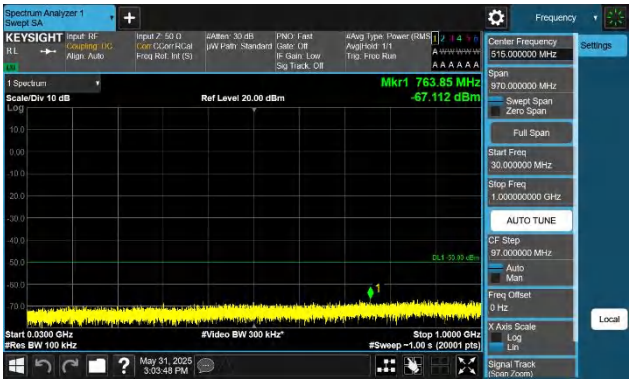
Band30-5MHz-QPSK-27685-1RB#24-30~1000-PASS

Band30-5MHz-QPSK-27685-1RB#24-1000~3000-PASS

Band30-5MHz-QPSK-27685-1RB#24-3000~26500-PASS

Band30-5MHz-QPSK-27710-1RB#0-0.009~0.15-PASS

Band30-5MHz-QPSK-27710-1RB#0-0.15~30-PASS



Band30-5MHz-QPSK-27710-1RB#0-30~1000-PASS

Band30-5MHz-QPSK-27710-1RB#0-1000~3000-PASS

Band30-5MHz-QPSK-27710-1RB#0-3000~26500-PASS

Band30-5MHz-QPSK-27710-1RB#24-0.009~0.15-PASS

Band30-5MHz-QPSK-27710-1RB#24-0.15~30-PASS

Band30-5MHz-QPSK-27710-1RB#24-30~1000-PASS

Band30-5MHz-QPSK-27710-1RB#24-1000~3000-PASS

Band30-5MHz-QPSK-27710-1RB#24-3000~26500-PASS

Band30-5MHz-QPSK-27735-1RB#0-0.009~0.15-PASS

Band30-5MHz-QPSK-27735-1RB#0-0.15~30-PASS

Band30-5MHz-QPSK-27735-1RB#0-30~1000-PASS

Band30-5MHz-QPSK-27735-1RB#0-1000~3000-PASS

Band30-5MHz-QPSK-27735-1RB#0-3000~26500-PASS

Band30-5MHz-QPSK-27735-1RB#24-0.009~0.15-PASS

Band30-5MHz-QPSK-27735-1RB#24-0.15~30-PASS

Band30-5MHz-QPSK-27735-1RB#24-30~1000-PASS

Band30-5MHz-QPSK-27735-1RB#24-1000~3000-PASS

Band30-5MHz-QPSK-27735-1RB#24-3000~26500-PASS

Band30-10MHz-QPSK-27710-1RB#0-0.009~0.15-PASS

Band30-10MHz-QPSK-27710-1RB#0-0.15~30-PASS

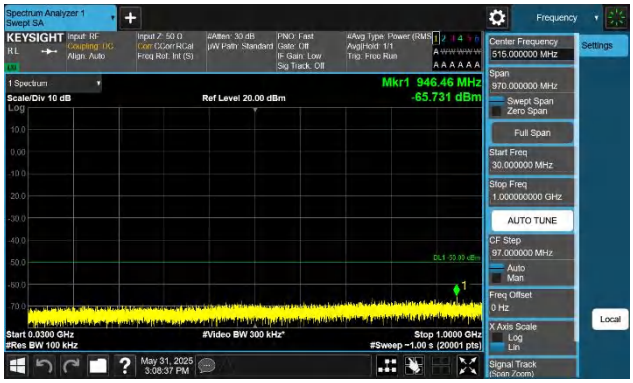
Band30-10MHz-QPSK-27710-1RB#0-30~1000-PASS

Band30-10MHz-QPSK-27710-1RB#0-1000~3000-PASS

Band30-10MHz-QPSK-27710-1RB#0-3000~26500-PASS

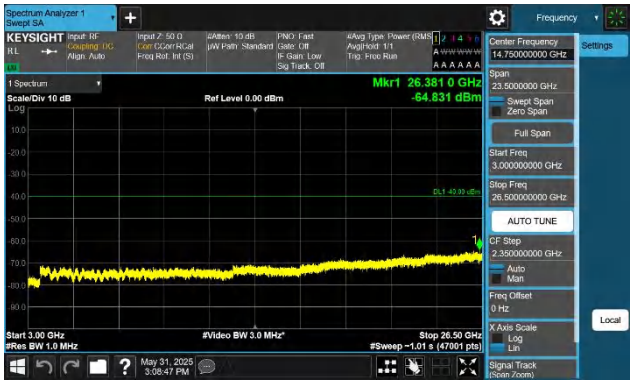
Band30-10MHz-QPSK-27710-1RB#49-0.009~0.15-PASS

Band30-10MHz-QPSK-27710-1RB#49-0.15~30-PASS



Band30-10MHz-QPSK-27710-1RB#49-30~1000-PASS

Band30-10MHz-QPSK-27710-1RB#49-1000~3000-PASS



Band30-10MHz-QPSK-27710-1RB#49-3000~26500-PASS

Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	-9060.00	-3.922078	±NA	2305.51564	2314.46624	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	-8970.00	-3.883117	±NA	2305.52073	2314.46133	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-5790.00	-2.506494	±NA	2305.52011	2314.46831	2305-2315	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	-4930.00	-2.134199	±NA	2305.52287	2314.46727	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	-6350.00	-2.748918	±NA	2305.51915	2314.46815	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-10	-9210.00	-3.987013	±NA	2305.51564	2314.46594	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-10160.00	-4.398268	±NA	2305.51594	2314.46374	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-7720.00	-3.341991	±NA	2305.52013	2314.46443	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	-7700.00	-3.333333	±NA	2305.52325	2314.46135	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	30	-9450.00	-4.090909	±NA	2305.51705	2314.46405	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	40	-9780.00	-4.233766	±NA	2305.51897	2314.46147	2305-2315	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	50	-8760.00	-3.792208	±NA	2305.51704	2314.46544	2305-2315	PASS

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