

TEST REPORT

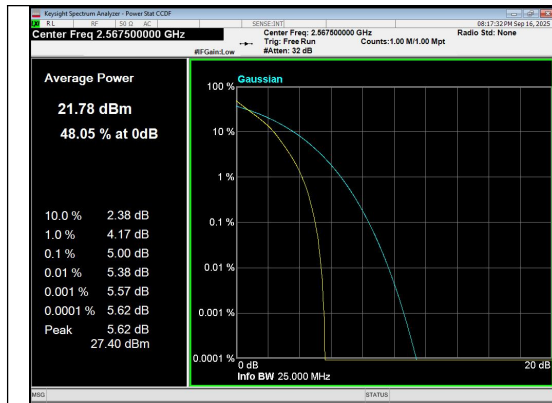
Product Name:	PoC Network Radio
Test Model(s):	TD-M15
FCC ID:	2A4FBTD-M15

Transmitter Conducted Output Power

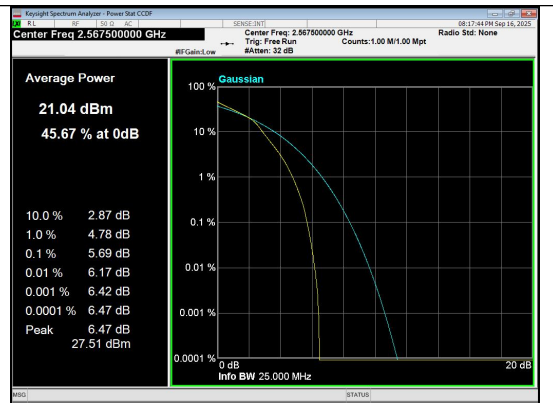
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	(Limit) (dBm)	Verdict
7	5.0	21425	2567.5	QPSK	1@0	22.88	33.01	PASS
7	5.0	21425	2567.5	QPSK	1@12	23.34	33.01	PASS
7	5.0	21425	2567.5	QPSK	1@24	22.76	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@0	22.56	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@6	22.5	33.01	PASS
7	5.0	21425	2567.5	QPSK	12@11	22.48	33.01	PASS
7	5.0	21425	2567.5	QPSK	25@0	22.19	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@0	22.55	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@12	22.08	33.01	PASS
7	5.0	21425	2567.5	16QAM	1@24	21.63	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@0	21.61	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@6	21.61	33.01	PASS
7	5.0	21425	2567.5	16QAM	12@11	21.59	33.01	PASS
7	5.0	21425	2567.5	16QAM	25@0	21.39	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@0	21.98	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@12	21.63	33.01	PASS
7	5.0	21100	2535.0	QPSK	1@24	21.33	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@0	20.91	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@6	20.92	33.01	PASS
7	5.0	21100	2535.0	QPSK	12@11	20.92	33.01	PASS
7	5.0	21100	2535.0	QPSK	25@0	20.77	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@0	21.35	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@12	21.09	33.01	PASS
7	5.0	21100	2535.0	16QAM	1@24	20.82	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@0	20.15	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@6	20.14	33.01	PASS
7	5.0	21100	2535.0	16QAM	12@11	20.15	33.01	PASS
7	5.0	21100	2535.0	16QAM	25@0	19.99	33.01	PASS
7	5.0	20775	2502.5	QPSK	1@0	21.47	33.01	PASS
7	5.0	20775	2502.5	QPSK	1@12	21.63	33.01	PASS
7	5.0	20775	2502.5	QPSK	1@24	21.94	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@0	20.76	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@6	20.77	33.01	PASS
7	5.0	20775	2502.5	QPSK	12@11	20.77	33.01	PASS
7	5.0	20775	2502.5	QPSK	25@0	20.88	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@0	20.86	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@12	21.04	33.01	PASS
7	5.0	20775	2502.5	16QAM	1@24	21.25	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@0	19.97	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@6	19.98	33.01	PASS
7	5.0	20775	2502.5	16QAM	12@11	19.93	33.01	PASS
7	5.0	20775	2502.5	16QAM	25@0	20.1	33.01	PASS

Peak to Average Ratio

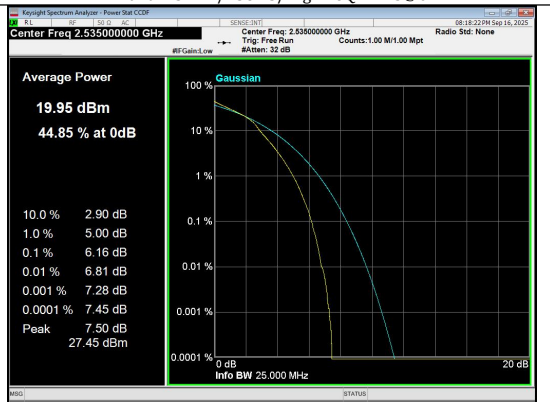
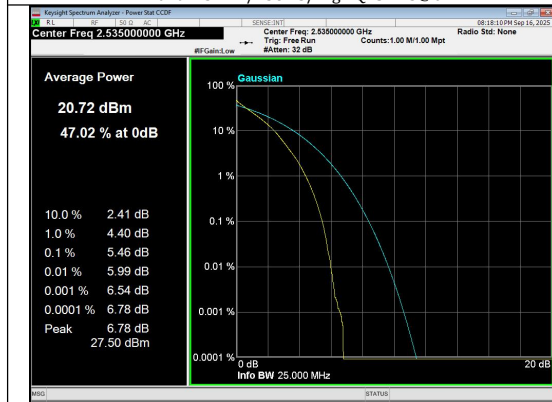
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	5.0	21425	2567.5	QPSK	25@0	5.0	13	PASS
7	5.0	21425	2567.5	16QAM	25@0	5.69	13	PASS
7	5.0	21100	2535.0	QPSK	25@0	5.46	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	6.16	13	PASS
7	5.0	21100	2535.0	64QAM	25@0	6.15	13	PASS
7	5.0	20775	2502.5	QPSK	25@0	5.63	13	PASS
7	5.0	20775	2502.5	16QAM	25@0	6.32	13	PASS



Band 7 5MHz/2567.5/High QPSK 25@0

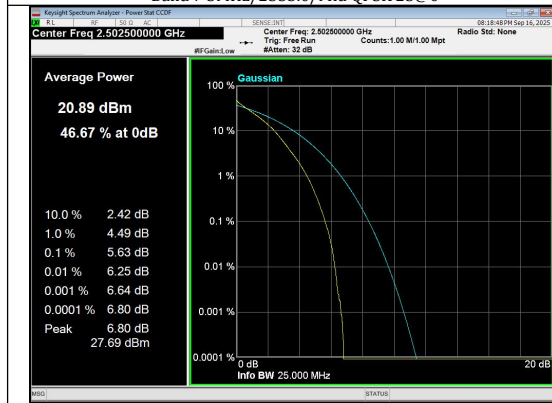


Band 7 5MHz/2567.5/High 16QAM 25@0



Band 7 5MHz/2535.0/Mid QPSK 25@0

Band 7 5MHz/2535.0/Mid 16QAM 25@0



Band 7 5MHz/2502.5/Low QPSK 25@0

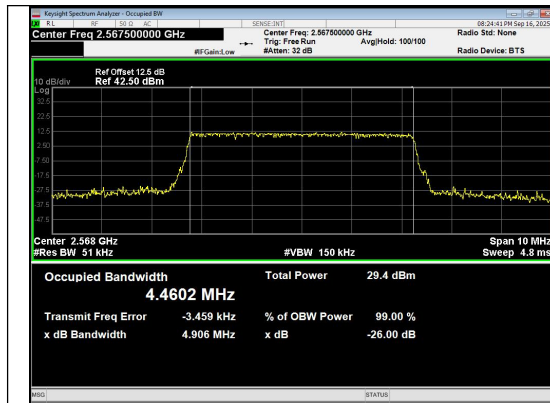
Band 7 5MHz/2502.5/Low 16QAM 25@0

Frequency Stability

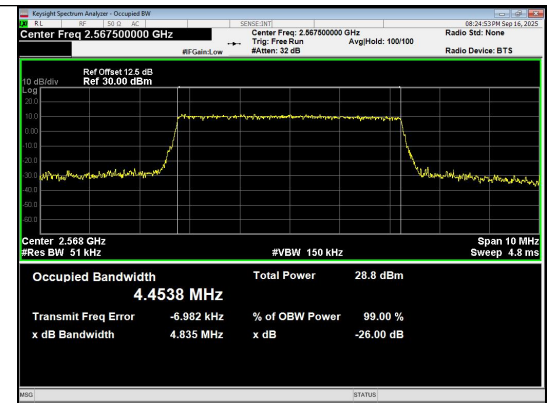
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
7	5.0	21425	2567.5	QPSK	25@0	18.02	0.00702	±2.5	PASS	VL
7	5.0	21425	2567.5	QPSK	25@0	18.85	0.00734	±2.5	PASS	VN
7	5.0	21425	2567.5	QPSK	25@0	13.29	0.00518	±2.5	PASS	VH
7	5.0	21425	2567.5	QPSK	25@0	25.39	0.00989	±2.5	PASS	-30°C
7	5.0	21425	2567.5	QPSK	25@0	16.98	0.00661	±2.5	PASS	-20°C
7	5.0	21425	2567.5	QPSK	25@0	14.93	0.00582	±2.5	PASS	-10°C
7	5.0	21425	2567.5	QPSK	25@0	6.58	0.00256	±2.5	PASS	0°C
7	5.0	21425	2567.5	QPSK	25@0	12.04	0.00469	±2.5	PASS	10°C
7	5.0	21425	2567.5	QPSK	25@0	6.47	0.00252	±2.5	PASS	20°C
7	5.0	21425	2567.5	QPSK	25@0	3.82	0.00149	±2.5	PASS	30°C
7	5.0	21425	2567.5	QPSK	25@0	24.32	0.00947	±2.5	PASS	40°C
7	5.0	21425	2567.5	QPSK	25@0	22.12	0.00861	±2.5	PASS	50°C
7	5.0	21100	2535.0	QPSK	25@0	-16.24	-0.0064	±2.5	PASS	VL
7	5.0	21100	2535.0	QPSK	25@0	-10.07	-0.00397	±2.5	PASS	VN
7	5.0	21100	2535.0	QPSK	25@0	-28.17	-0.01111	±2.5	PASS	VH
7	5.0	21100	2535.0	QPSK	25@0	-6.88	-0.00271	±2.5	PASS	-30°C
7	5.0	21100	2535.0	QPSK	25@0	-11.74	-0.00463	±2.5	PASS	-20°C
7	5.0	21100	2535.0	QPSK	25@0	-6.75	-0.00266	±2.5	PASS	-10°C
7	5.0	21100	2535.0	QPSK	25@0	2.53	0.001	±2.5	PASS	0°C
7	5.0	21100	2535.0	QPSK	25@0	6.24	0.00246	±2.5	PASS	10°C
7	5.0	21100	2535.0	QPSK	25@0	9.5	0.00375	±2.5	PASS	20°C
7	5.0	21100	2535.0	QPSK	25@0	21.77	0.00859	±2.5	PASS	30°C
7	5.0	21100	2535.0	QPSK	25@0	5.42	0.00214	±2.5	PASS	40°C
7	5.0	21100	2535.0	QPSK	25@0	22.13	0.00873	±2.5	PASS	50°C
7	5.0	20775	2502.5	QPSK	25@0	-15.69	-0.00627	±2.5	PASS	VL
7	5.0	20775	2502.5	QPSK	25@0	-6.82	-0.00273	±2.5	PASS	VN
7	5.0	20775	2502.5	QPSK	25@0	-21.49	-0.00859	±2.5	PASS	VH
7	5.0	20775	2502.5	QPSK	25@0	-6.47	-0.00258	±2.5	PASS	-30°C
7	5.0	20775	2502.5	QPSK	25@0	-5.74	-0.00229	±2.5	PASS	-20°C
7	5.0	20775	2502.5	QPSK	25@0	-13.9	-0.00556	±2.5	PASS	-10°C
7	5.0	20775	2502.5	QPSK	25@0	-17.9	-0.00715	±2.5	PASS	0°C
7	5.0	20775	2502.5	QPSK	25@0	-11.49	-0.00459	±2.5	PASS	10°C
7	5.0	20775	2502.5	QPSK	25@0	-6.72	-0.00269	±2.5	PASS	20°C
7	5.0	20775	2502.5	QPSK	25@0	5.84	0.00233	±2.5	PASS	30°C
7	5.0	20775	2502.5	QPSK	25@0	20.41	0.00816	±2.5	PASS	40°C
7	5.0	20775	2502.5	QPSK	25@0	16.18	0.00647	±2.5	PASS	50°C

Occupied Bandwidth

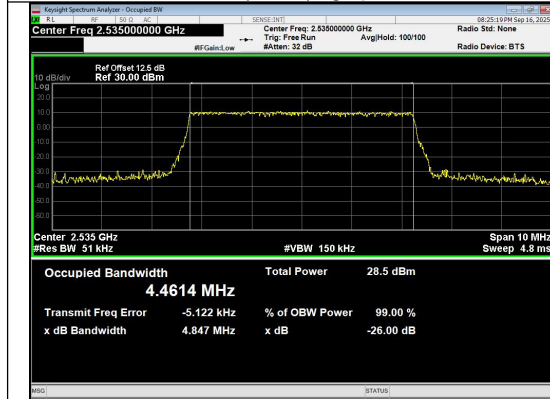
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
7	5.0	21425	2567.5	QPSK	25@0	4.4602	4.906	PASS
7	5.0	21425	2567.5	16QAM	25@0	4.4538	4.835	PASS
7	5.0	21100	2535.0	QPSK	25@0	4.4614	4.847	PASS
7	5.0	21100	2535.0	16QAM	25@0	4.4563	4.815	PASS
7	5.0	21100	2535.0	64QAM	25@0	4.4633	4.843	PASS
7	5.0	20775	2502.5	QPSK	25@0	4.4621	4.806	PASS
7	5.0	20775	2502.5	16QAM	25@0	4.4628	4.842	PASS



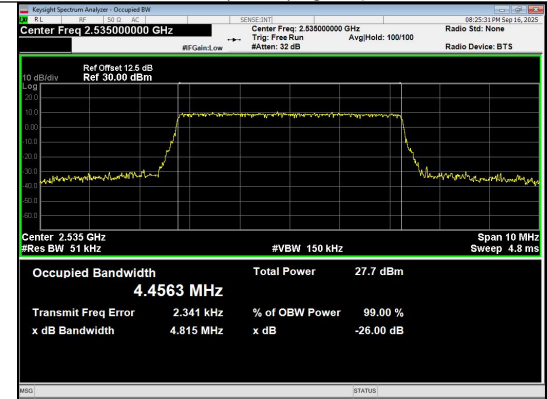
Band 7 5MHz/2567.5/High QPSK 25@0



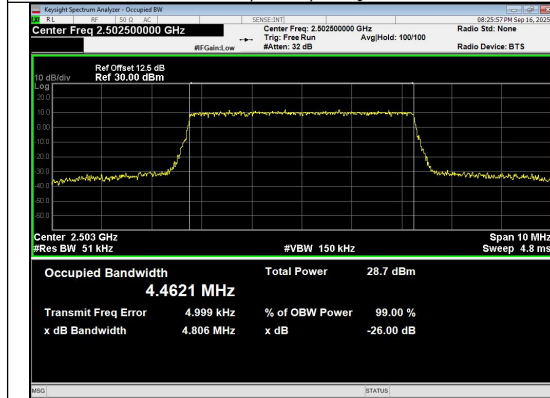
Band 7 5MHz/2567.5/High 16QAM 25@0



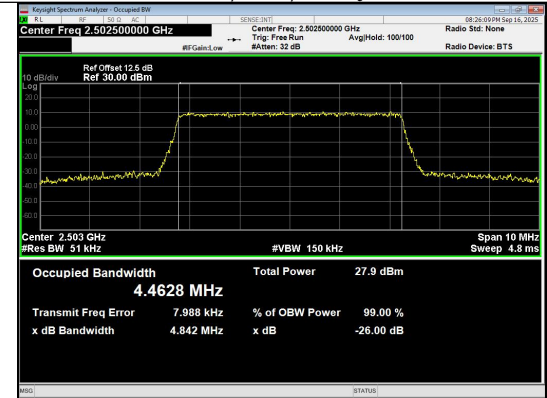
Band 7 5MHz/2535.0/Mid QPSK 25@0



Band 7 5MHz/2535.0/Mid 16QAM 25@0



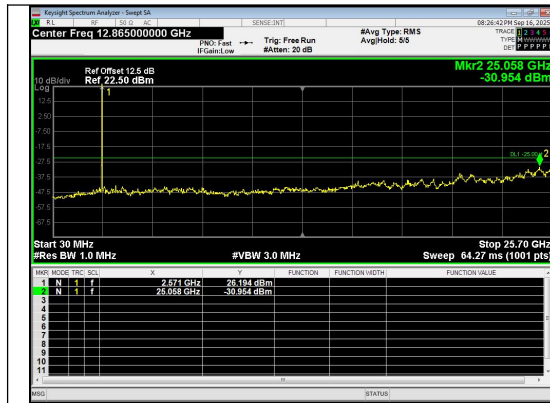
Band 7 5MHz/2502.5/Low QPSK 25@0



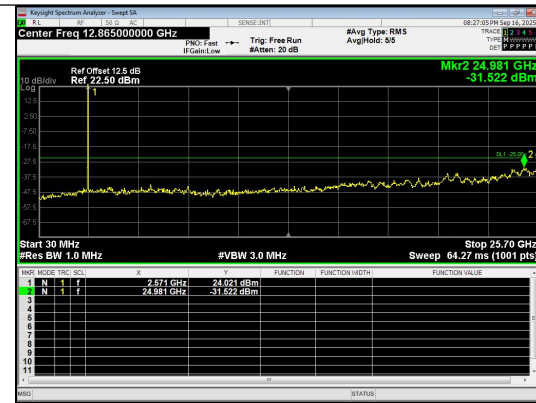
Band 7 5MHz/2502.5/Low 16QAM 25@0

Conducted Spurious Emissions

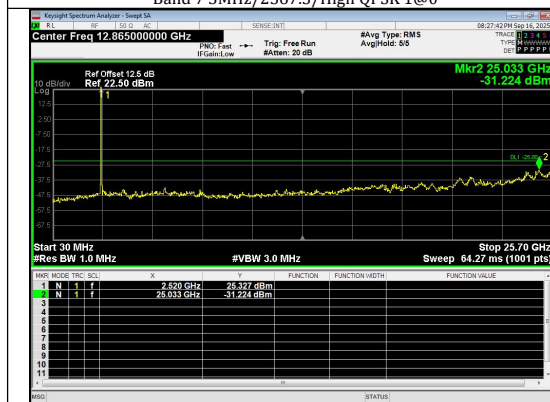
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
7	5.0	21425	2567.5	QPSK	1@0	30	25700	-30.95	-25	PASS
7	5.0	21425	2567.5	16QAM	1@0	30	25700	-31.52	-25	PASS
7	5.0	21100	2535.0	QPSK	1@0	30	25700	-31.22	-25	PASS
7	5.0	21100	2535.0	16QAM	1@0	30	25700	-31.75	-25	PASS
7	5.0	20775	2502.5	QPSK	1@0	30	25700	-31.08	-25	PASS
7	5.0	20775	2502.5	16QAM	1@0	30	25700	-29.85	-25	PASS



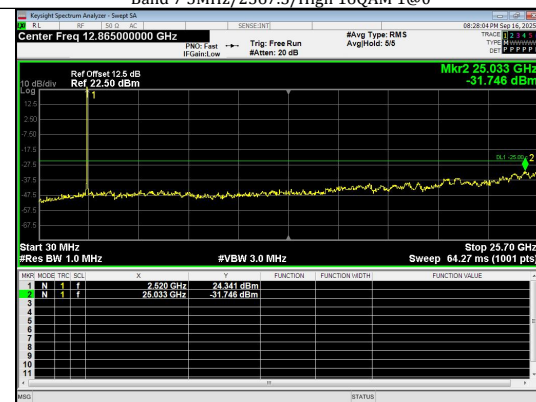
30.0MHz-25700.0MHz
Band 7 5MHz/2567.5/High QPSK 1@0



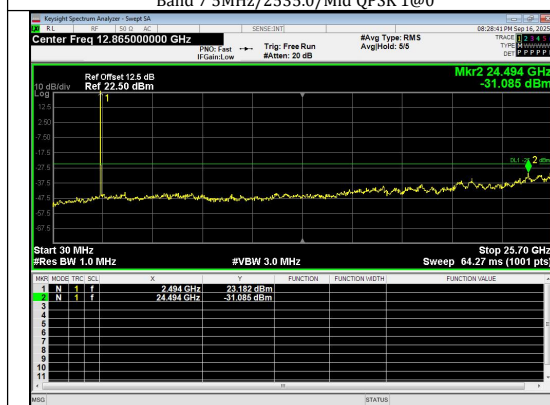
30.0MHz-25700.0MHz
Band 7 5MHz/2567.5/High 16QAM 1@0



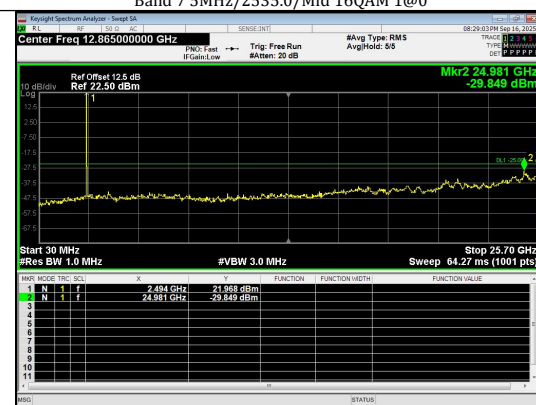
30.0MHz-25700.0MHz
Band 7 5MHz/2535.0/Mid QPSK 1@0



30.0MHz-25700.0MHz
Band 7 5MHz/2535.0/Mid 16QAM 1@0



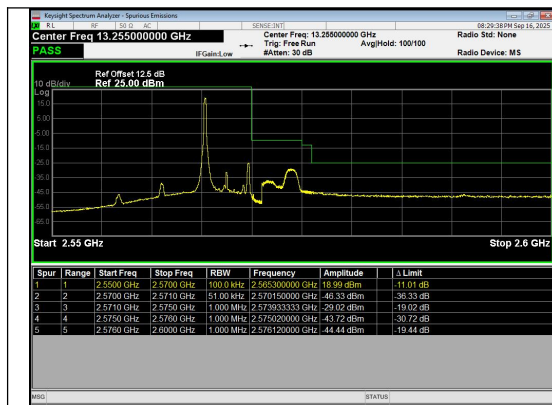
30.0MHz-25700.0MHz
Band 7 5MHz/2502.5/Low QPSK 1@0



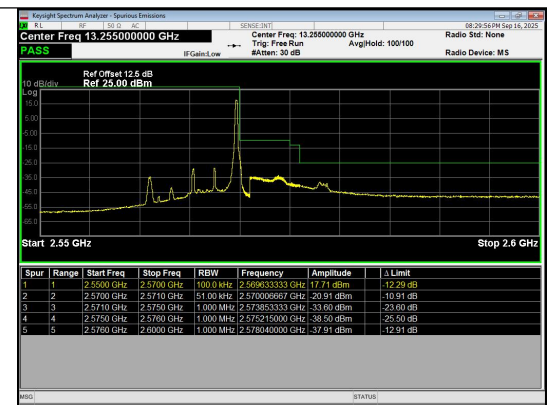
30.0MHz-25700.0MHz
Band 7 5MHz/2502.5/Low 16QAM 1@0

Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
7	5.0	21425	2567.5	QPSK	1@0	see graph	PASS
7	5.0	21425	2567.5	QPSK	1@24	see graph	PASS
7	5.0	21425	2567.5	QPSK	25@0	see graph	PASS
7	5.0	21425	2567.5	16QAM	1@0	see graph	PASS
7	5.0	21425	2567.5	16QAM	1@24	see graph	PASS
7	5.0	21425	2567.5	16QAM	25@0	see graph	PASS
7	5.0	20775	2502.5	QPSK	1@0	see graph	PASS
7	5.0	20775	2502.5	QPSK	1@24	see graph	PASS
7	5.0	20775	2502.5	QPSK	25@0	see graph	PASS
7	5.0	20775	2502.5	16QAM	1@0	see graph	PASS
7	5.0	20775	2502.5	16QAM	1@24	see graph	PASS
7	5.0	20775	2502.5	16QAM	25@0	see graph	PASS



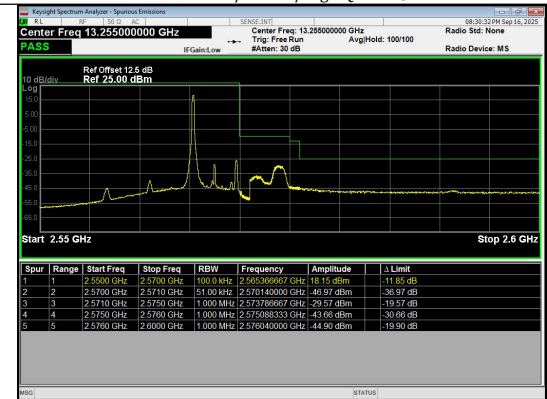
Band 7 5MHz/2567.5/High QPSK 1@0



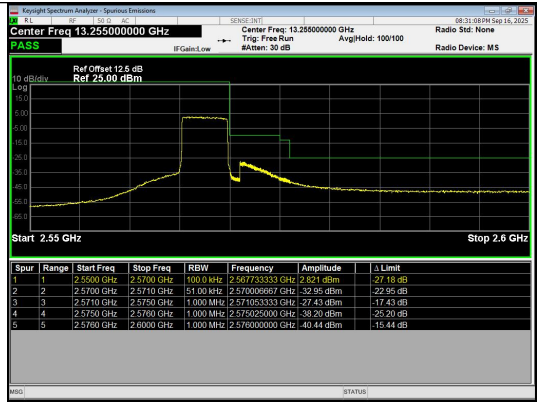
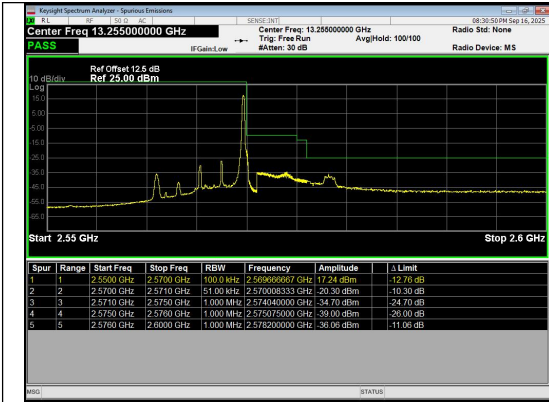
Band 7 5MHz/2567.5/High QPSK 1@24



Band 7 5MHz/2567.5/High QPSK 25@0

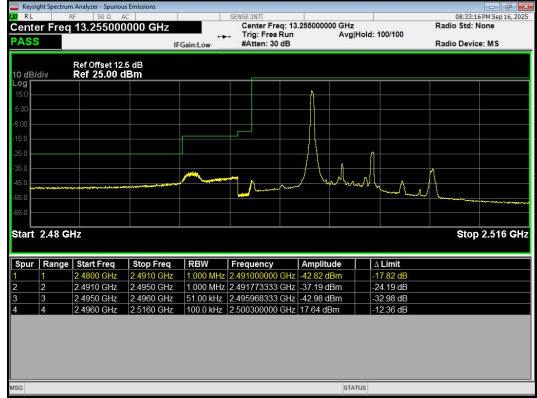


Band 7 5MHz/2567.5/High 16QAM 1@0

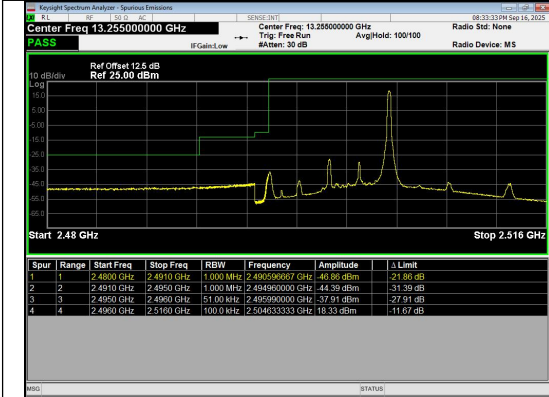


Band 7 5MHz/2567.5/High 16QAM 1@24

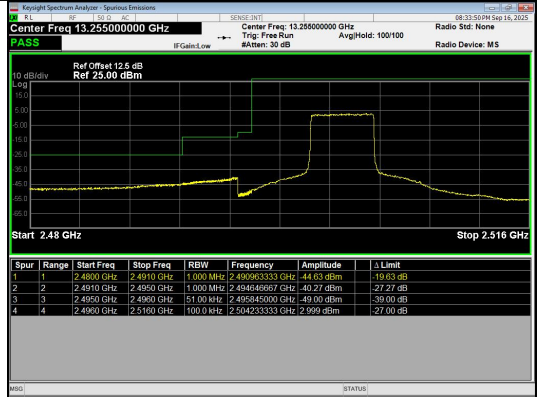
Band 7 5MHz/2567.5/High 16QAM 25@0



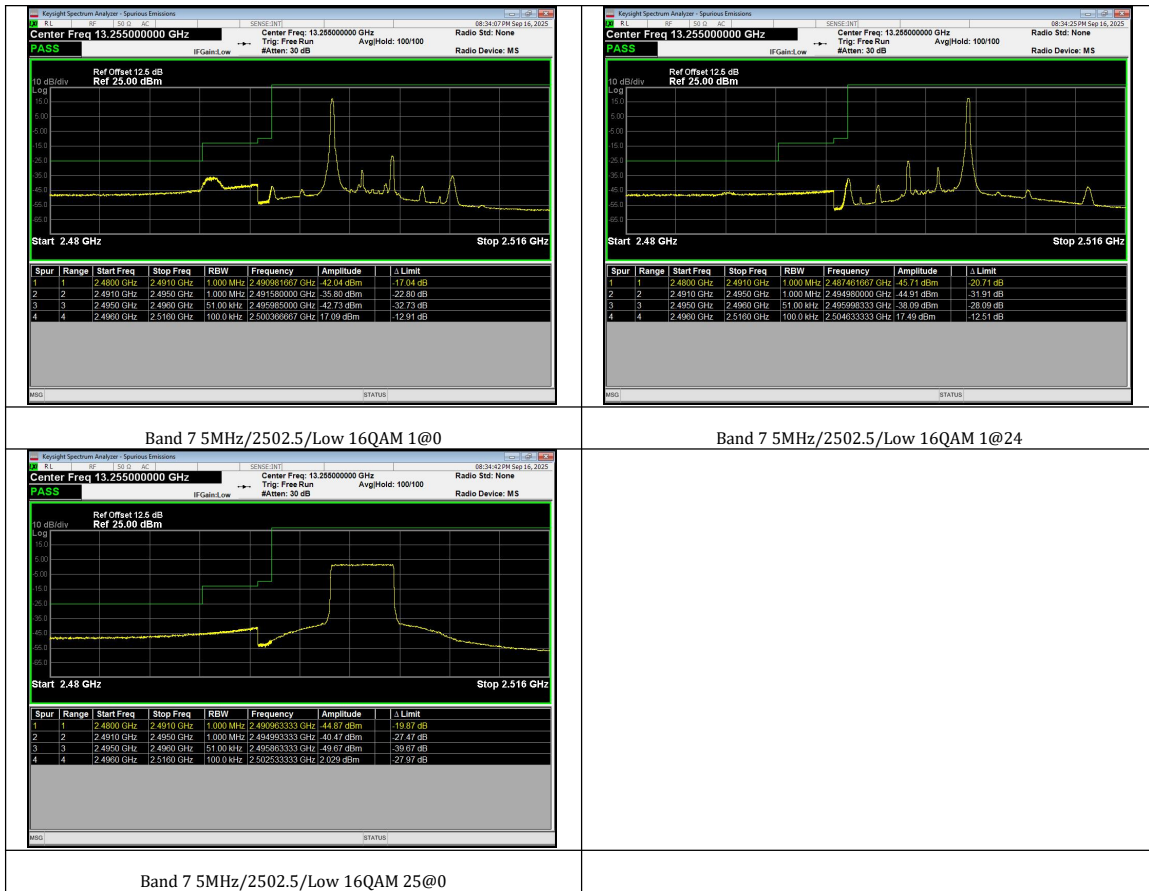
Band 7 5MHz/2502.5/Low QPSK 1@0



Band 7 5MHz/2502.5/Low QPSK 1@24



Band 7 5MHz/2502.5/Low QPSK 25@0



KeySight Spectrum Analyzer - Spurious Emissions

Center Freq: 13.255000000 GHz

Ref Offset: 12.5 dB

Ref: 25.00 dBm

Start: 2.48 GHz

Stop: 2.516 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4800 GHz	2.4910 GHz	1.000 MHz	2.494993333 GHz	40.47 dBm	-19.47 dB
2	2	2.4910 GHz	2.4950 GHz	1.000 MHz	2.494993333 GHz	40.47 dBm	-27.47 dB
3	3	2.4950 GHz	2.4960 GHz	51.00 kHz	2.495983333 GHz	49.67 dBm	-39.67 dB
4	4	2.4900 GHz	2.5160 GHz	100.0 kHz	2.502533333 GHz	2.029 dBm	-27.97 dB

Band 7 5MHz/2502.5/Low 16QAM 25@0

Modulation Characteristics

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
7	5.0	21425	2567.5	QPSK	25@0	PASS
7	5.0	21425	2567.5	16QAM	25@0	PASS
7	5.0	21100	2535.0	QPSK	25@0	PASS
7	5.0	21100	2535.0	16QAM	25@0	PASS
7	5.0	20775	2502.5	QPSK	25@0	PASS
7	5.0	20775	2502.5	16QAM	25@0	PASS

Frequency Stability Range

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
7	5.0	21425	2567.5	QPSK	25@0	2570.00001856804	PASS	VL
7	5.0	21425	2567.5	QPSK	25@0	2570.00001403332	PASS	VN
7	5.0	21425	2567.5	QPSK	25@0	2570.00002241611	PASS	VH
7	5.0	21425	2567.5	QPSK	25@0	2570.00001572132	PASS	-30°C
7	5.0	21425	2567.5	QPSK	25@0	2570.00002034187	PASS	-20°C
7	5.0	21425	2567.5	QPSK	25@0	2570.00001132965	PASS	-10°C
7	5.0	21425	2567.5	QPSK	25@0	2570.0000083971	PASS	0°C
7	5.0	21425	2567.5	QPSK	25@0	2570.0000193119	PASS	10°C
7	5.0	21425	2567.5	QPSK	25@0	2570.00001407623	PASS	20°C
7	5.0	21425	2567.5	QPSK	25@0	2570.0000019598	PASS	30°C
7	5.0	21425	2567.5	QPSK	25@0	2570.0000167942	PASS	40°C
7	5.0	21425	2567.5	QPSK	25@0	2570.00001630783	PASS	50°C
7	5.0	21100	2535.0	QPSK	25@0	2499.9999823761	PASS	VL
7	5.0	21100	2535.0	QPSK	25@0	2499.99998635292	PASS	VN
7	5.0	21100	2535.0	QPSK	25@0	2499.99998161793	PASS	VH
7	5.0	21100	2535.0	QPSK	25@0	2499.99997164726	PASS	-30°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99997575283	PASS	-20°C
7	5.0	21100	2535.0	QPSK	25@0	2499.9999985981	PASS	-10°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99998858452	PASS	0°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99999394894	PASS	10°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99998344898	PASS	20°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99998198986	PASS	30°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99998223305	PASS	40°C
7	5.0	21100	2535.0	QPSK	25@0	2499.99999178886	PASS	50°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99998160362	PASS	VL
7	5.0	20775	2502.5	QPSK	25@0	2499.99997502327	PASS	VN
7	5.0	20775	2502.5	QPSK	25@0	2499.99998774052	PASS	VH
7	5.0	20775	2502.5	QPSK	25@0	2499.99998010159	PASS	-30°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99997346401	PASS	-20°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99997662544	PASS	-10°C
7	5.0	20775	2502.5	QPSK	25@0	2499.9999930191	PASS	0°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99999349117	PASS	10°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99999433517	PASS	20°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99997466564	PASS	30°C
7	5.0	20775	2502.5	QPSK	25@0	2499.99999260426	PASS	40°C
7	5.0	20775	2502.5	QPSK	25@0	2499.9999832058	PASS	50°C