

FCC EMTC Band 4 Test Data

General Description of EUT	
Product Name:	Tractive Dog 6
Test Model:	TG6A
Sample ID:	HC-C-202403-0336-01-04#
Environmental Conditions	
Temperature:	22°C-25°C
Relative Humidity:	43%-55%
Test Voltage:	DC 3.87V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202403-0336-93. The report only show the worst case data.	

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1. Conducted Output Power Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	21.59	PASS
Band4	1.4MHz	19957	QPSK	1	5	Low	21.63	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	19.62	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	22.29	PASS
Band4	1.4MHz	20175	QPSK	1	5	Low	22.11	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	20.06	PASS
Band4	1.4MHz	20393	QPSK	1	0	High	22.37	PASS
Band4	1.4MHz	20393	QPSK	1	5	High	22.09	PASS
Band4	1.4MHz	20393	QPSK	6	0	High	20.13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	20.34	PASS
Band4	1.4MHz	19957	16QAM	1	5	Low	20.48	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	19.60	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	21.24	PASS
Band4	1.4MHz	20175	16QAM	1	5	Low	20.94	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	20.13	PASS
Band4	1.4MHz	20393	16QAM	1	0	High	21.37	PASS
Band4	1.4MHz	20393	16QAM	1	5	High	21.06	PASS
Band4	1.4MHz	20393	16QAM	6	0	High	20.12	PASS
Band4	3MHz	19965	QPSK	1	0	Low	21.63	PASS
Band4	3MHz	19965	QPSK	1	5	Low	21.61	PASS
Band4	3MHz	19965	QPSK	6	0	Low	19.60	PASS
Band4	3MHz	20175	QPSK	1	0	Low	22.56	PASS
Band4	3MHz	20175	QPSK	1	5	Low	22.49	PASS
Band4	3MHz	20175	QPSK	6	0	Low	20.51	PASS
Band4	3MHz	20385	QPSK	1	0	High	22.55	PASS
Band4	3MHz	20385	QPSK	1	5	High	22.36	PASS
Band4	3MHz	20385	QPSK	6	0	High	20.34	PASS
Band4	3MHz	19965	16QAM	1	0	Low	20.42	PASS
Band4	3MHz	19965	16QAM	1	5	Low	20.55	PASS
Band4	3MHz	19965	16QAM	6	0	Low	19.60	PASS
Band4	3MHz	20175	16QAM	1	0	Low	21.47	PASS
Band4	3MHz	20175	16QAM	1	5	Low	21.30	PASS
Band4	3MHz	20175	16QAM	6	0	Low	20.49	PASS

Band4	3MHz	20385	16QAM	1	0	High	21.51	PASS
Band4	3MHz	20385	16QAM	1	5	High	21.33	PASS
Band4	3MHz	20385	16QAM	6	0	High	20.41	PASS
Band4	5MHz	19975	QPSK	1	0	Low	21.68	PASS
Band4	5MHz	19975	QPSK	1	5	Low	21.70	PASS
Band4	5MHz	19975	QPSK	6	0	Low	20.72	PASS
Band4	5MHz	20175	QPSK	1	0	Low	22.57	PASS
Band4	5MHz	20175	QPSK	1	5	Low	22.44	PASS
Band4	5MHz	20175	QPSK	6	0	Low	21.34	PASS
Band4	5MHz	20375	QPSK	1	0	High	22.16	PASS
Band4	5MHz	20375	QPSK	1	5	High	22.26	PASS
Band4	5MHz	20375	QPSK	6	0	High	21.13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	21.81	PASS
Band4	5MHz	19975	16QAM	1	5	Low	21.78	PASS
Band4	5MHz	19975	16QAM	6	0	Low	20.70	PASS
Band4	5MHz	20175	16QAM	1	0	Low	22.66	PASS
Band4	5MHz	20175	16QAM	1	5	Low	22.54	PASS
Band4	5MHz	20175	16QAM	6	0	Low	21.43	PASS
Band4	5MHz	20375	16QAM	1	0	High	22.25	PASS
Band4	5MHz	20375	16QAM	1	5	High	22.40	PASS
Band4	5MHz	20375	16QAM	6	0	High	21.13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	21.76	PASS
Band4	10MHz	20000	QPSK	1	5	Low	21.66	PASS
Band4	10MHz	20000	QPSK	6	0	Low	20.69	PASS
Band4	10MHz	20175	QPSK	1	0	Low	21.94	PASS
Band4	10MHz	20175	QPSK	1	5	Low	22.22	PASS
Band4	10MHz	20175	QPSK	6	0	Low	21.03	PASS
Band4	10MHz	20350	QPSK	1	0	High	22.16	PASS
Band4	10MHz	20350	QPSK	1	5	High	22.12	PASS
Band4	10MHz	20350	QPSK	6	0	High	21.05	PASS
Band4	10MHz	20000	16QAM	1	0	Low	21.91	PASS
Band4	10MHz	20000	16QAM	1	5	Low	21.86	PASS
Band4	10MHz	20000	16QAM	6	0	Low	20.67	PASS
Band4	10MHz	20175	16QAM	1	0	Low	22.03	PASS
Band4	10MHz	20175	16QAM	1	5	Low	22.34	PASS
Band4	10MHz	20175	16QAM	6	0	Low	21.11	PASS
Band4	10MHz	20350	16QAM	1	0	High	22.35	PASS
Band4	10MHz	20350	16QAM	1	5	High	22.23	PASS
Band4	10MHz	20350	16QAM	6	0	High	21.05	PASS
Band4	15MHz	20025	QPSK	1	0	Low	22.24	PASS
Band4	15MHz	20025	QPSK	1	5	Low	22.14	PASS

Band4	15MHz	20025	QPSK	6	0	Low	22.01	PASS
Band4	15MHz	20175	QPSK	1	0	Low	22.55	PASS
Band4	15MHz	20175	QPSK	1	5	Low	22.53	PASS
Band4	15MHz	20175	QPSK	6	0	Low	22.37	PASS
Band4	15MHz	20325	QPSK	1	0	High	22.57	PASS
Band4	15MHz	20325	QPSK	1	5	High	22.64	PASS
Band4	15MHz	20325	QPSK	6	0	High	22.46	PASS
Band4	15MHz	20025	16QAM	1	0	Low	22.35	PASS
Band4	15MHz	20025	16QAM	1	5	Low	22.22	PASS
Band4	15MHz	20025	16QAM	6	0	Low	22.09	PASS
Band4	15MHz	20175	16QAM	1	0	Low	22.70	PASS
Band4	15MHz	20175	16QAM	1	5	Low	22.66	PASS
Band4	15MHz	20175	16QAM	6	0	Low	22.37	PASS
Band4	15MHz	20325	16QAM	1	0	High	22.74	PASS
Band4	15MHz	20325	16QAM	1	5	High	22.82	PASS
Band4	15MHz	20325	16QAM	6	0	High	22.46	PASS
Band4	20MHz	20050	QPSK	1	0	Low	22.29	PASS
Band4	20MHz	20050	QPSK	1	5	Low	22.07	PASS
Band4	20MHz	20050	QPSK	6	0	Low	22.01	PASS
Band4	20MHz	20175	QPSK	1	0	Low	22.05	PASS
Band4	20MHz	20175	QPSK	1	5	Low	22.21	PASS
Band4	20MHz	20175	QPSK	6	0	Low	22.09	PASS
Band4	20MHz	20300	QPSK	1	0	High	22.85	PASS
Band4	20MHz	20300	QPSK	1	5	High	22.57	PASS
Band4	20MHz	20300	QPSK	6	0	High	22.53	PASS
Band4	20MHz	20050	16QAM	1	0	Low	22.36	PASS
Band4	20MHz	20050	16QAM	1	5	Low	22.20	PASS
Band4	20MHz	20050	16QAM	6	0	Low	21.99	PASS
Band4	20MHz	20175	16QAM	1	0	Low	22.12	PASS
Band4	20MHz	20175	16QAM	1	5	Low	22.32	PASS
Band4	20MHz	20175	16QAM	6	0	Low	22.09	PASS
Band4	20MHz	20300	16QAM	1	0	High	23.06	PASS
Band4	20MHz	20300	16QAM	1	5	High	22.75	PASS
Band4	20MHz	20300	16QAM	6	0	High	22.53	PASS

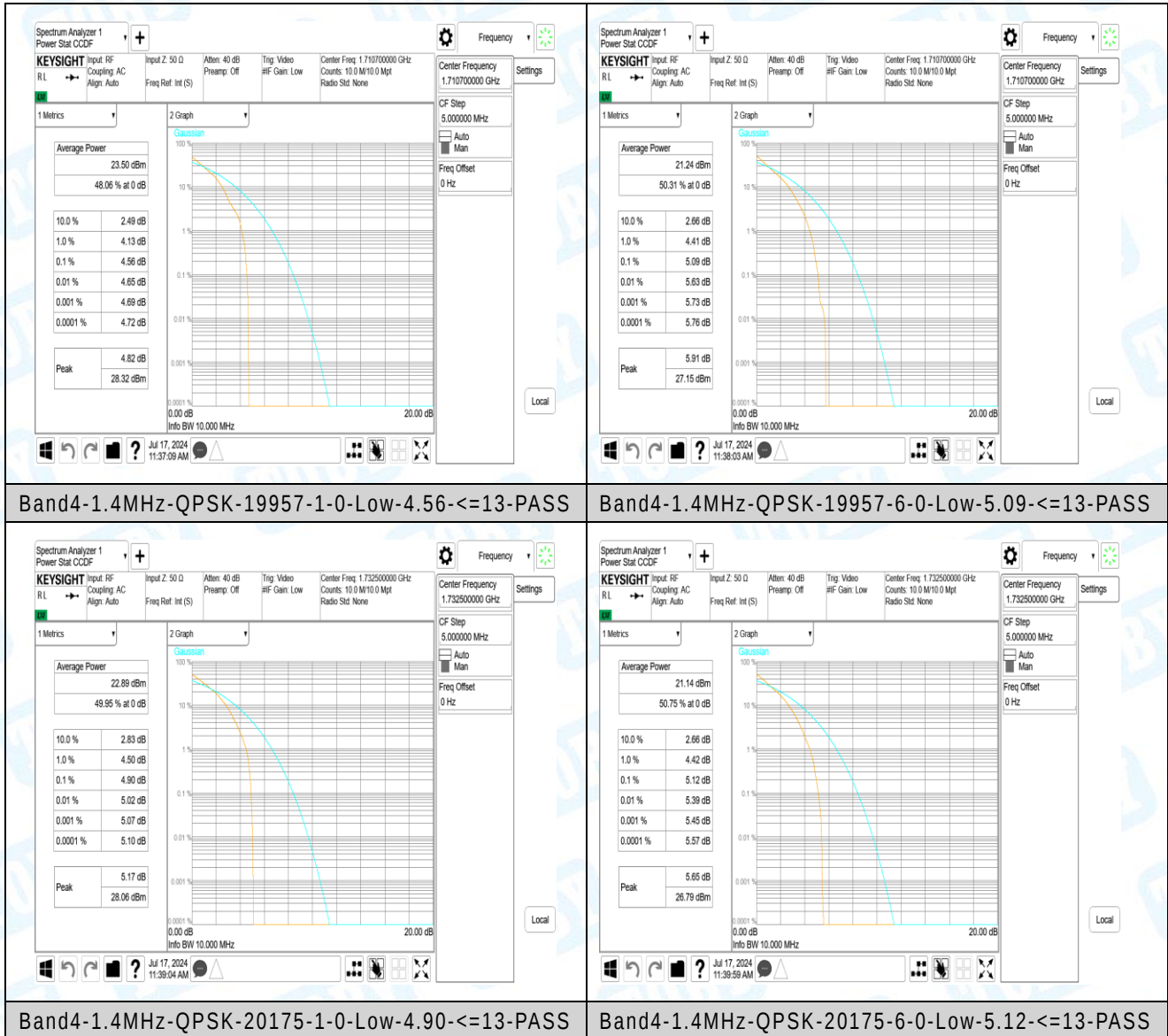
2. Peak-to-Average Ratio(CCDF) for M1

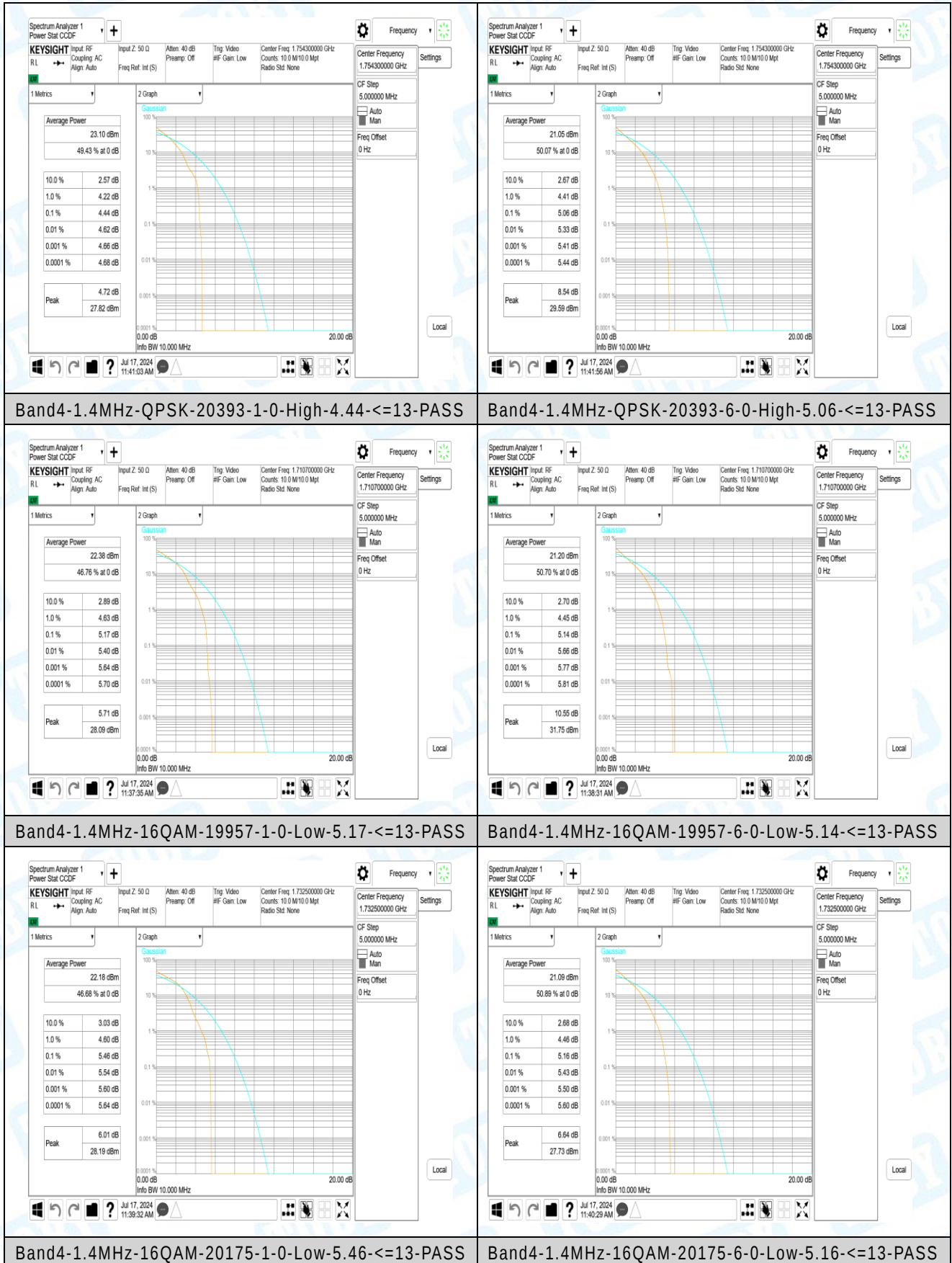
Test Result

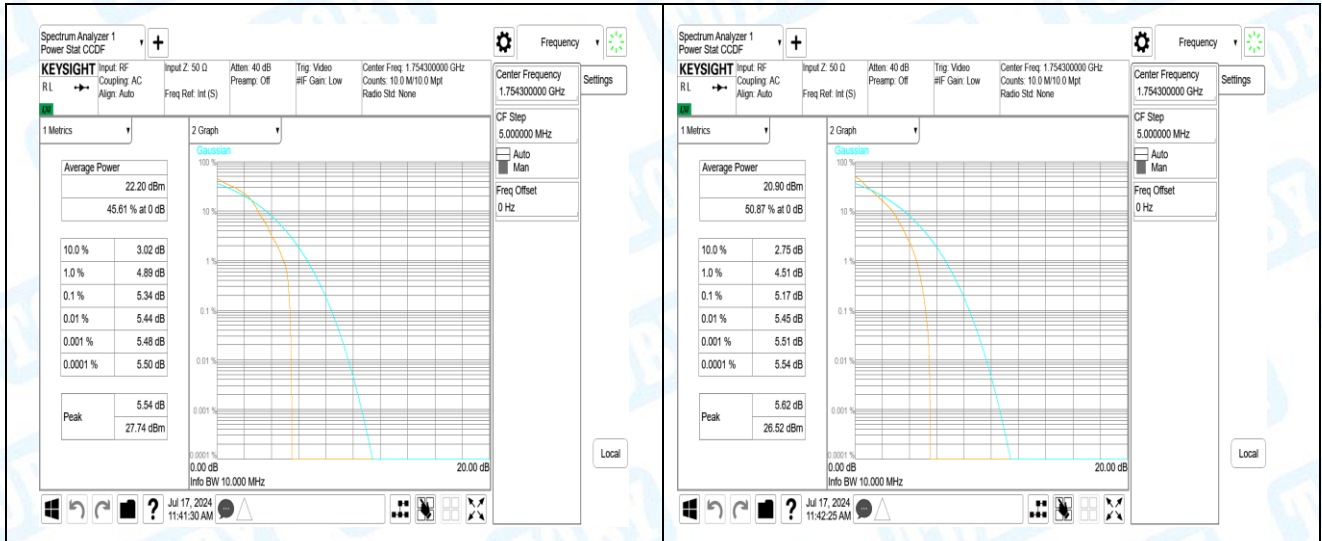
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	19957	QPSK	1	0	Low	4.56	<=13	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	5.09	<=13	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	4.90	<=13	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	5.12	<=13	PASS
Band4	1.4MHz	20393	QPSK	1	0	High	4.44	<=13	PASS
Band4	1.4MHz	20393	QPSK	6	0	High	5.06	<=13	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	5.17	<=13	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	5.14	<=13	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	5.46	<=13	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	5.16	<=13	PASS
Band4	1.4MHz	20393	16QAM	1	0	High	5.34	<=13	PASS
Band4	1.4MHz	20393	16QAM	6	0	High	5.17	<=13	PASS
Band4	3MHz	19965	QPSK	1	0	Low	5.07	<=13	PASS
Band4	3MHz	19965	QPSK	6	0	Low	5.40	<=13	PASS
Band4	3MHz	20175	QPSK	1	0	Low	5.06	<=13	PASS
Band4	3MHz	20175	QPSK	6	0	Low	5.13	<=13	PASS
Band4	3MHz	20385	QPSK	1	0	High	4.49	<=13	PASS
Band4	3MHz	20385	QPSK	6	0	High	5.17	<=13	PASS
Band4	3MHz	19965	16QAM	1	0	Low	5.56	<=13	PASS
Band4	3MHz	19965	16QAM	6	0	Low	5.27	<=13	PASS
Band4	3MHz	20175	16QAM	1	0	Low	5.86	<=13	PASS
Band4	3MHz	20175	16QAM	6	0	Low	5.28	<=13	PASS
Band4	3MHz	20385	16QAM	1	0	High	6.04	<=13	PASS
Band4	3MHz	20385	16QAM	6	0	High	5.21	<=13	PASS
Band4	5MHz	19975	QPSK	1	0	Low	5.39	<=13	PASS
Band4	5MHz	19975	QPSK	6	0	Low	4.99	<=13	PASS
Band4	5MHz	20175	QPSK	1	0	Low	4.88	<=13	PASS
Band4	5MHz	20175	QPSK	6	0	Low	5.01	<=13	PASS
Band4	5MHz	20375	QPSK	1	0	High	5.39	<=13	PASS
Band4	5MHz	20375	QPSK	6	0	High	4.97	<=13	PASS
Band4	5MHz	19975	16QAM	1	0	Low	5.32	<=13	PASS
Band4	5MHz	19975	16QAM	6	0	Low	5.00	<=13	PASS

Band4	5MHz	20175	16QAM	1	0	Low	5.74	<=13	PASS
Band4	5MHz	20175	16QAM	6	0	Low	5.04	<=13	PASS
Band4	5MHz	20375	16QAM	1	0	High	5.24	<=13	PASS
Band4	5MHz	20375	16QAM	6	0	High	4.98	<=13	PASS
Band4	10MHz	20000	QPSK	1	0	Low	4.89	<=13	PASS
Band4	10MHz	20000	QPSK	6	0	Low	5.13	<=13	PASS
Band4	10MHz	20175	QPSK	1	0	Low	4.91	<=13	PASS
Band4	10MHz	20175	QPSK	6	0	Low	5.04	<=13	PASS
Band4	10MHz	20350	QPSK	1	0	High	5.34	<=13	PASS
Band4	10MHz	20350	QPSK	6	0	High	5.11	<=13	PASS
Band4	10MHz	20000	16QAM	1	0	Low	5.69	<=13	PASS
Band4	10MHz	20000	16QAM	6	0	Low	5.30	<=13	PASS
Band4	10MHz	20175	16QAM	1	0	Low	5.74	<=13	PASS
Band4	10MHz	20175	16QAM	6	0	Low	5.15	<=13	PASS
Band4	10MHz	20350	16QAM	1	0	High	5.79	<=13	PASS
Band4	10MHz	20350	16QAM	6	0	High	5.12	<=13	PASS
Band4	15MHz	20025	QPSK	1	0	Low	4.58	<=13	PASS
Band4	15MHz	20025	QPSK	6	0	Low	4.89	<=13	PASS
Band4	15MHz	20175	QPSK	1	0	Low	4.56	<=13	PASS
Band4	15MHz	20175	QPSK	6	0	Low	4.84	<=13	PASS
Band4	15MHz	20325	QPSK	1	0	High	4.82	<=13	PASS
Band4	15MHz	20325	QPSK	6	0	High	4.96	<=13	PASS
Band4	15MHz	20025	16QAM	1	0	Low	5.90	<=13	PASS
Band4	15MHz	20025	16QAM	6	0	Low	4.92	<=13	PASS
Band4	15MHz	20175	16QAM	1	0	Low	5.96	<=13	PASS
Band4	15MHz	20175	16QAM	6	0	Low	5.00	<=13	PASS
Band4	15MHz	20325	16QAM	1	0	High	5.13	<=13	PASS
Band4	15MHz	20325	16QAM	6	0	High	4.95	<=13	PASS
Band4	20MHz	20050	QPSK	1	0	Low	5.00	<=13	PASS
Band4	20MHz	20050	QPSK	6	0	Low	4.83	<=13	PASS
Band4	20MHz	20175	QPSK	1	0	Low	4.68	<=13	PASS
Band4	20MHz	20175	QPSK	6	0	Low	4.93	<=13	PASS
Band4	20MHz	20300	QPSK	1	0	High	4.82	<=13	PASS
Band4	20MHz	20300	QPSK	6	0	High	4.86	<=13	PASS
Band4	20MHz	20050	16QAM	1	0	Low	5.24	<=13	PASS
Band4	20MHz	20050	16QAM	6	0	Low	4.89	<=13	PASS
Band4	20MHz	20175	16QAM	1	0	Low	5.84	<=13	PASS
Band4	20MHz	20175	16QAM	6	0	Low	4.99	<=13	PASS
Band4	20MHz	20300	16QAM	1	0	High	5.18	<=13	PASS
Band4	20MHz	20300	16QAM	6	0	High	4.99	<=13	PASS

Test Graphs

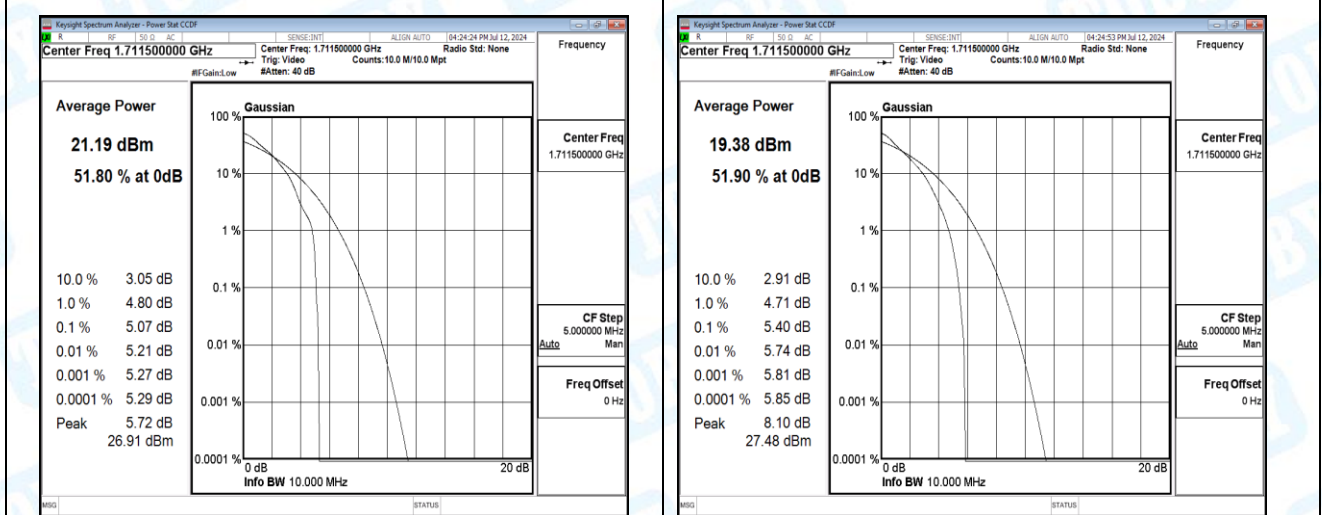






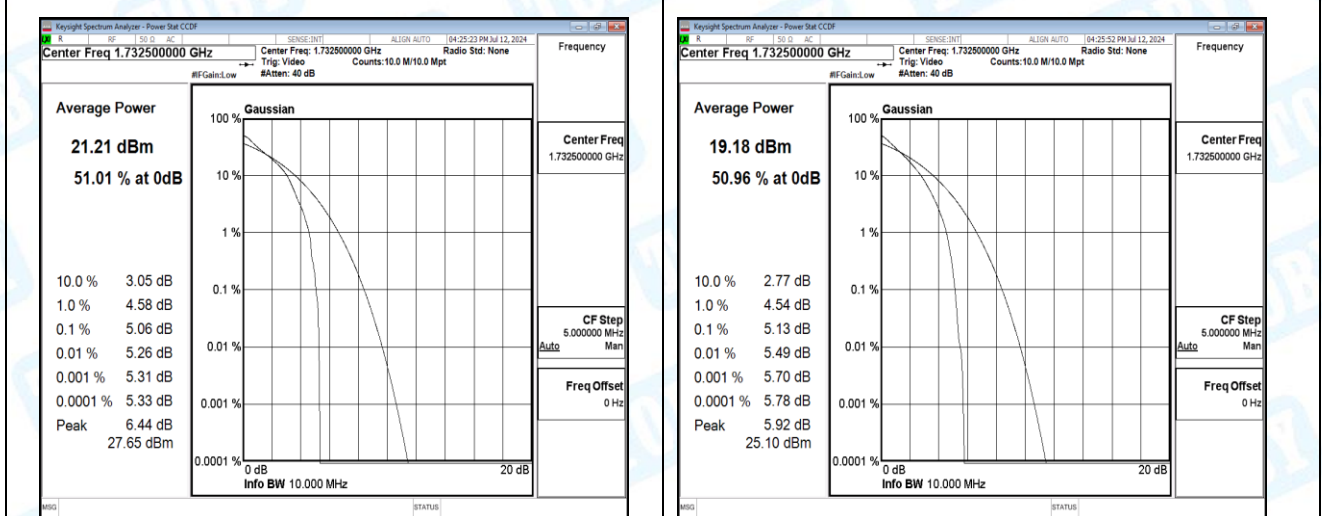
Band4-1.4MHz-16QAM-20393-1-0-High-5.34-<=13-PASS

Band4-1.4MHz-16QAM-20393-6-0-High-5.17-<=13-PASS



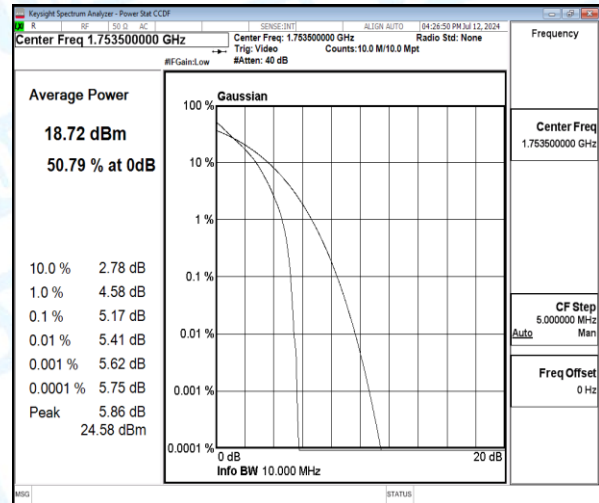
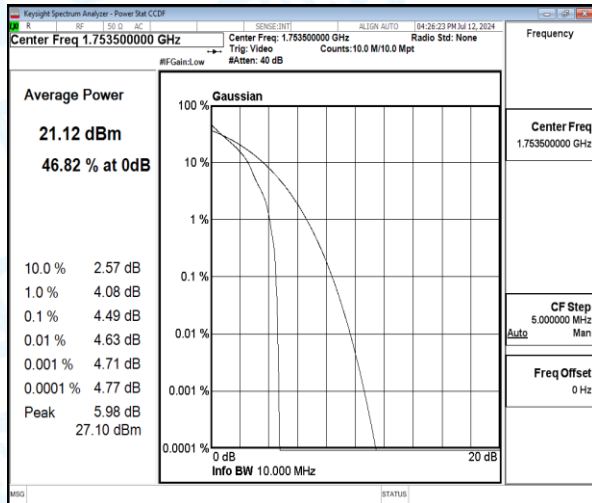
Band4-3MHz-QPSK-19965-1-0-Low-5.07-<=13-PASS

Band4-3MHz-QPSK-19965-6-0-Low-5.40-<=13-PASS



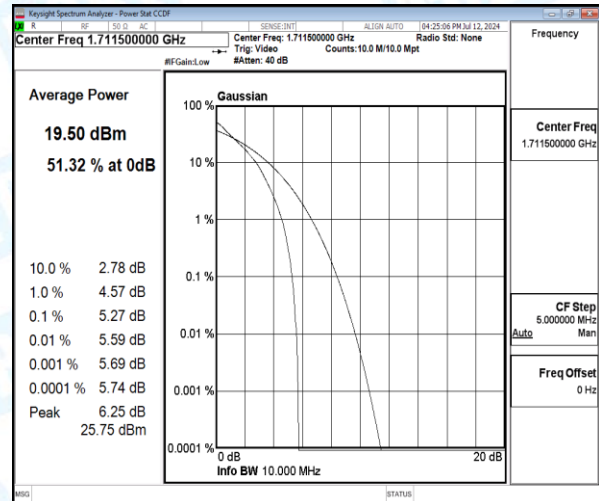
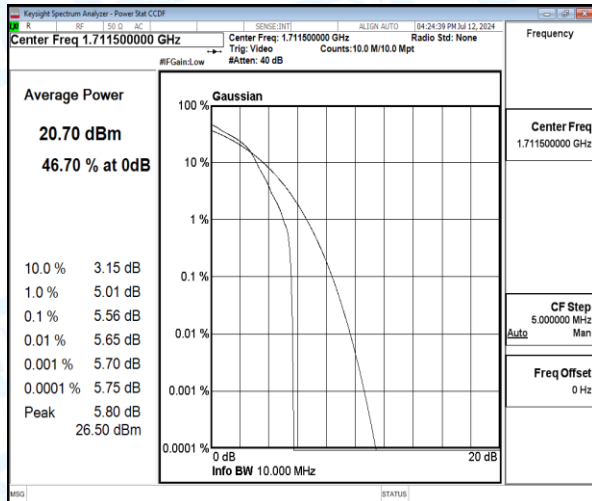
Band4-3MHz-QPSK-20175-1-0-Low-5.06-<=13-PASS

Band4-3MHz-QPSK-20175-6-0-Low-5.13-<=13-PASS



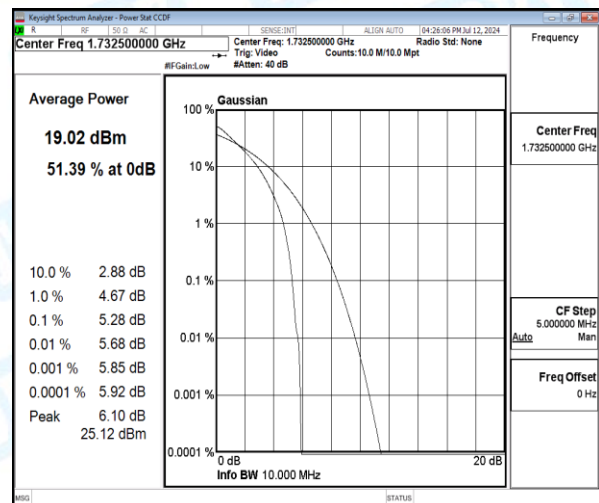
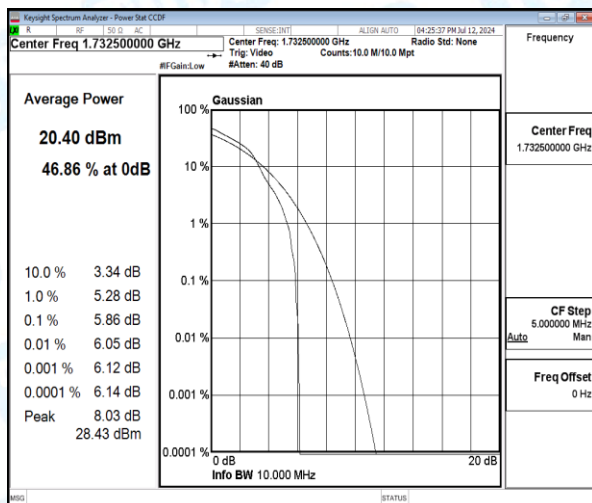
Band4-3MHz-QPSK-20385-1-0-High-4.49-<=13-PASS

Band4-3MHz-QPSK-20385-6-0-High-5.17-<=13-PASS



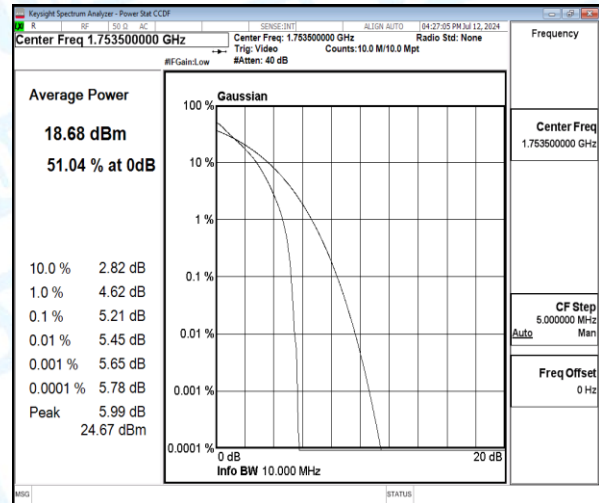
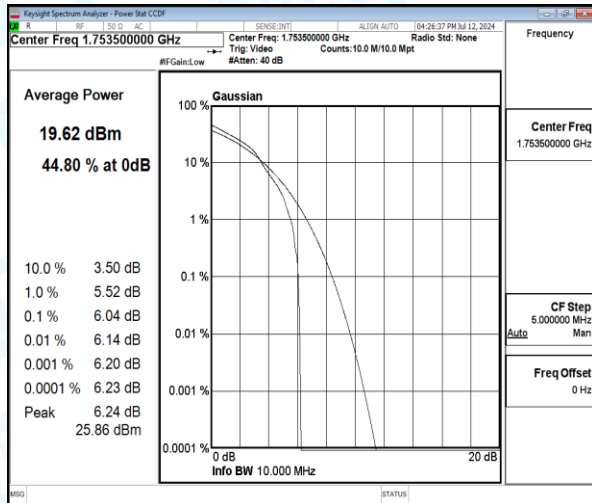
Band4-3MHz-16QAM-19965-1-0-Low-5.56-<=13-PASS

Band4-3MHz-16QAM-19965-6-0-Low-5.27-<=13-PASS



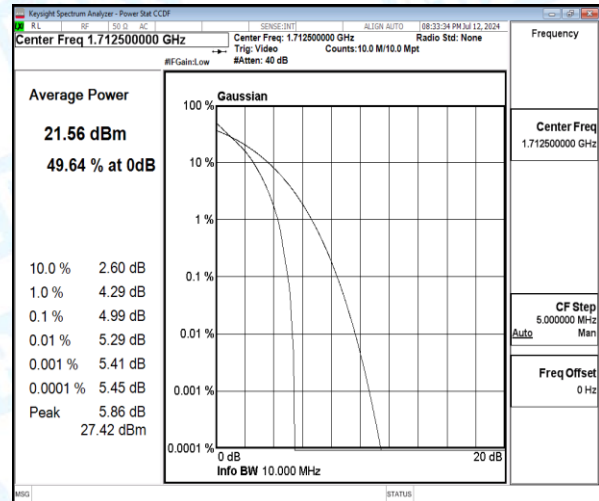
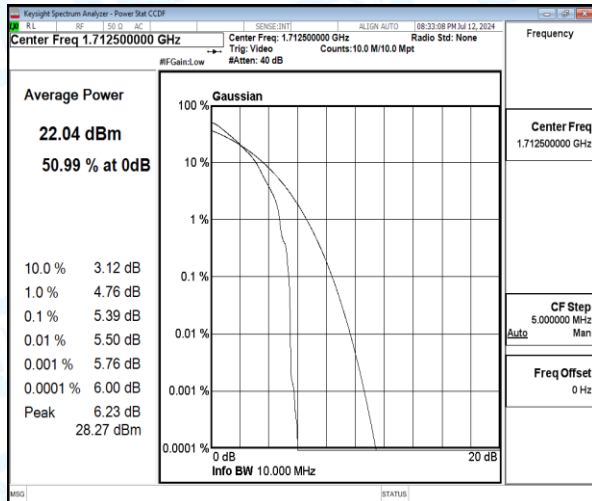
Band4-3MHz-16QAM-20175-1-0-Low-5.86-<=13-PASS

Band4-3MHz-16QAM-20175-6-0-Low-5.28-<=13-PASS



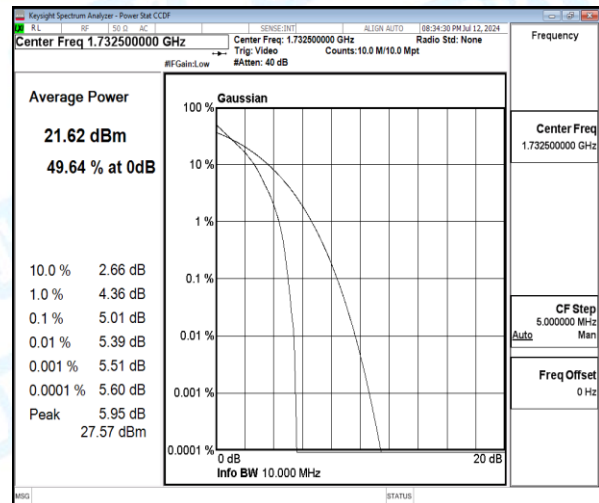
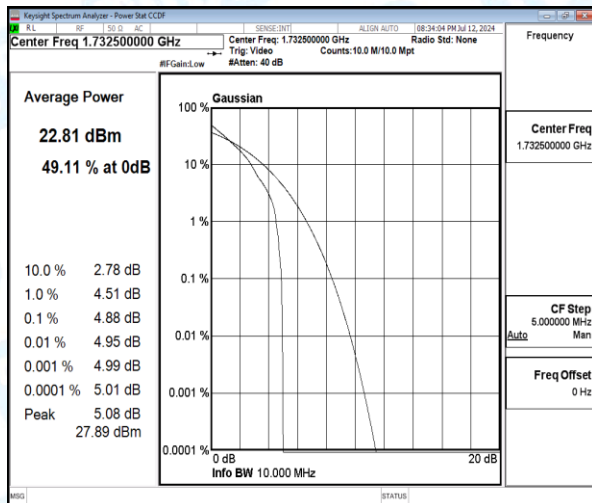
Band4-3MHz-16QAM-20385-1-0-High-6.04-<=13-PASS

Band4-3MHz-16QAM-20385-6-0-High-5.21-<=13-PASS



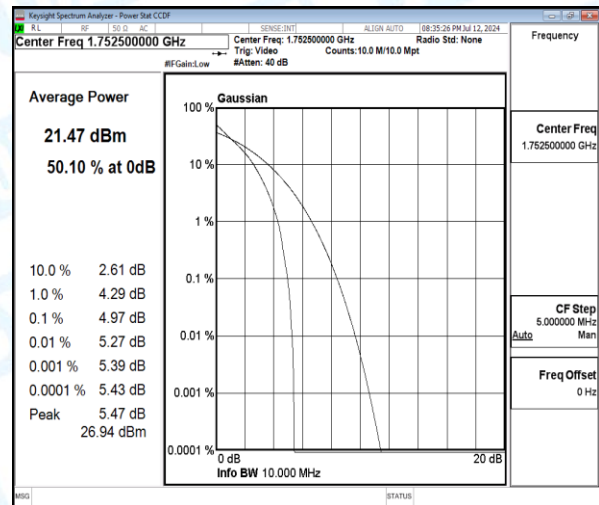
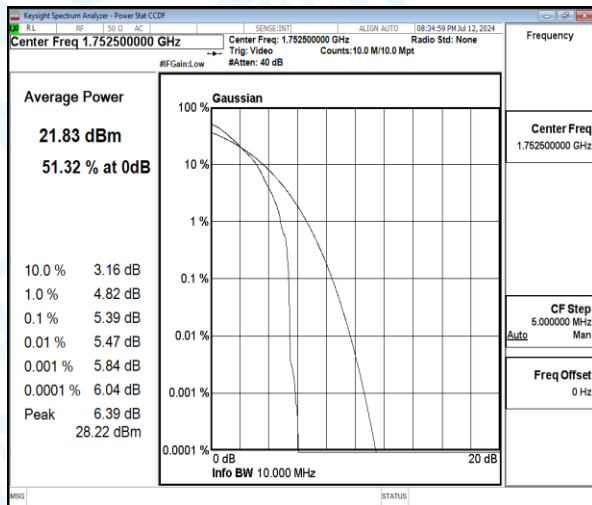
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Band4-5MHz-QPSK-19975-6-0-Low-4.99-<=13-PASS



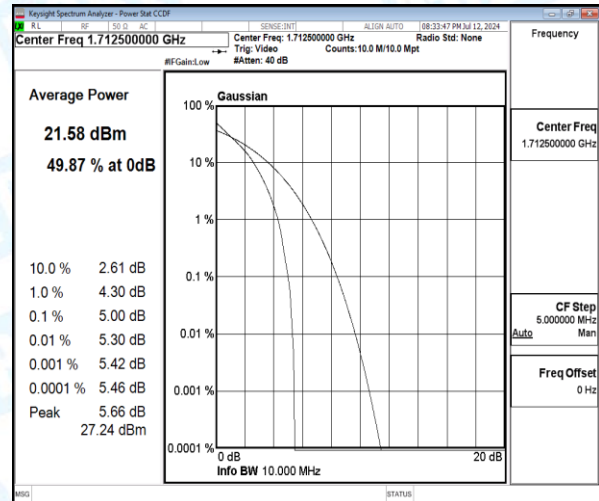
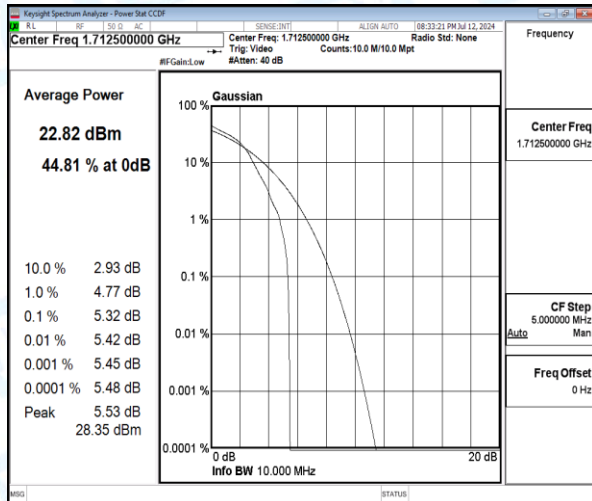
Band4-5MHz-QPSK-20175-1-0-Low-4.88-<=13-PASS

Band4-5MHz-QPSK-20175-6-0-Low-5.01-<=13-PASS



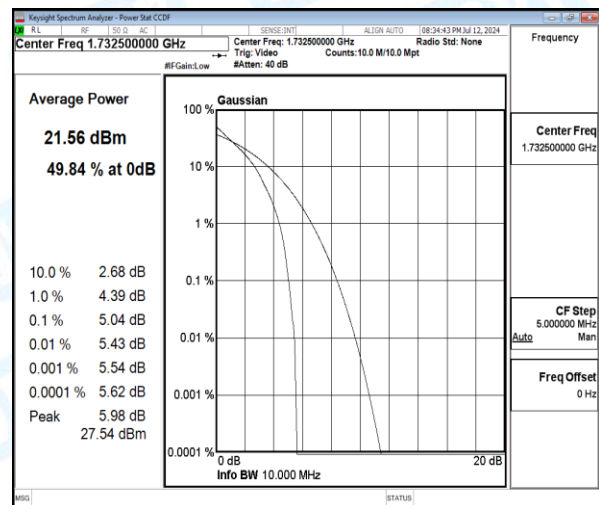
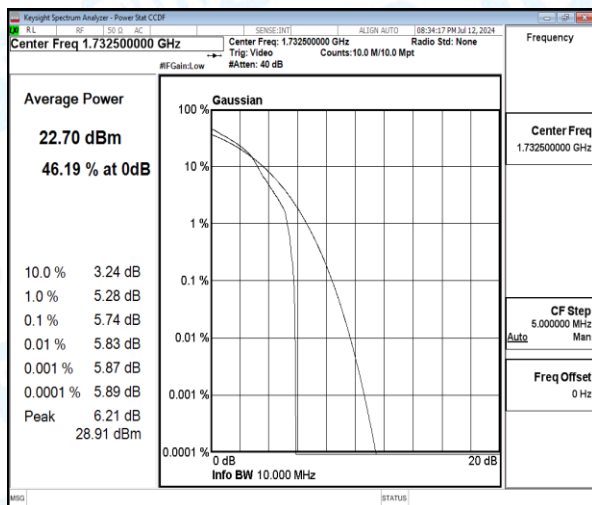
Band4-5MHz-QPSK-20375-1-0-High-5.39-<=13-PASS

Band4-5MHz-QPSK-20375-6-0-High-4.97-<=13-PASS



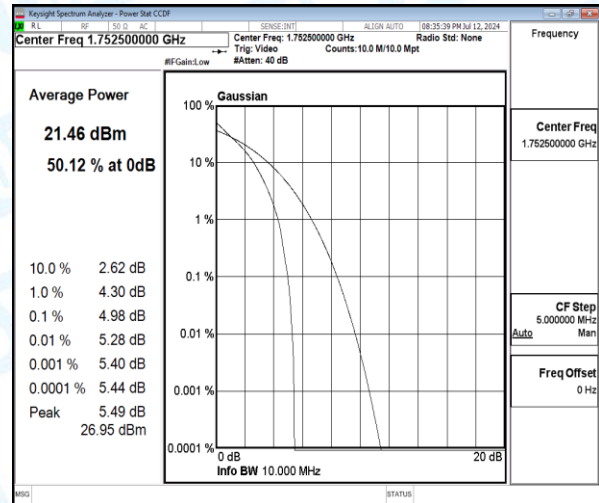
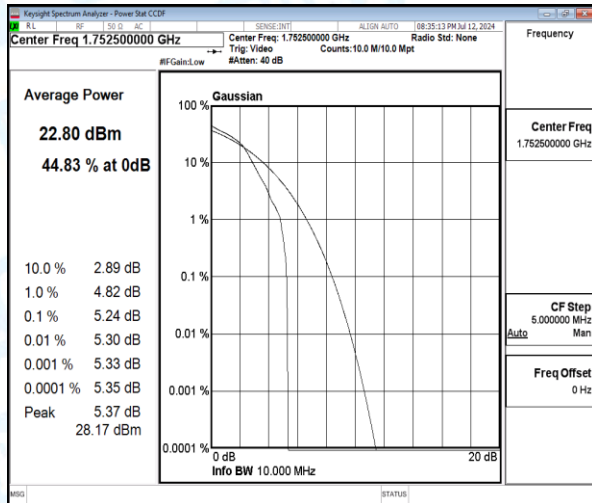
Band4-5MHz-16QAM-19975-1-0-Low-5.32-<=13-PASS

Band4-5MHz-16QAM-19975-6-0-Low-5.00-<=13-PASS



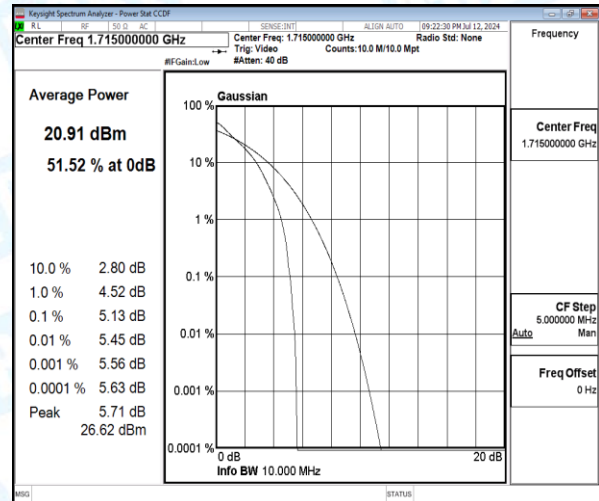
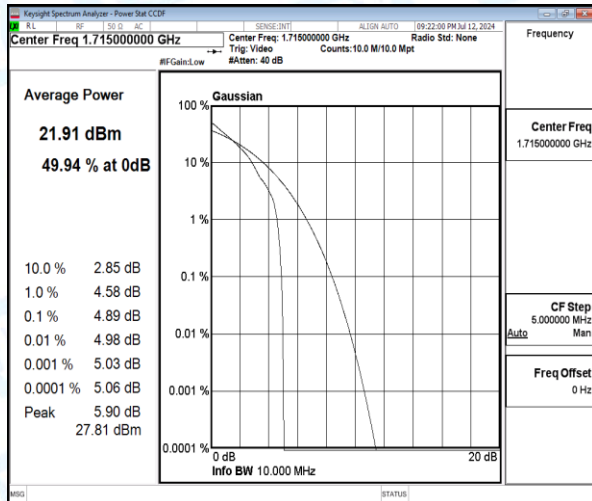
Band4-5MHz-16QAM-20175-1-0-Low-5.74-<=13-PASS

Band4-5MHz-16QAM-20175-6-0-Low-5.04-<=13-PASS



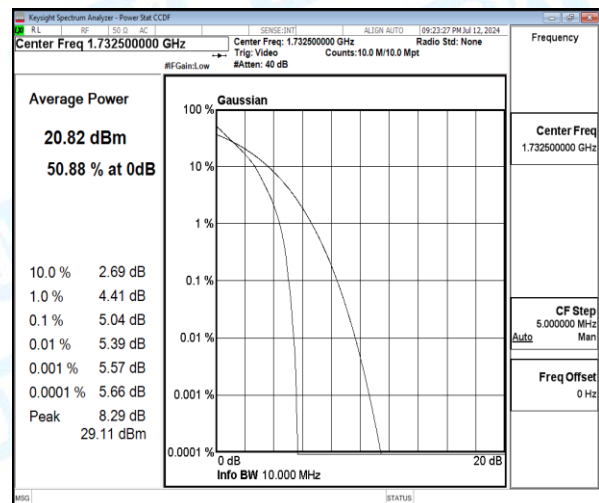
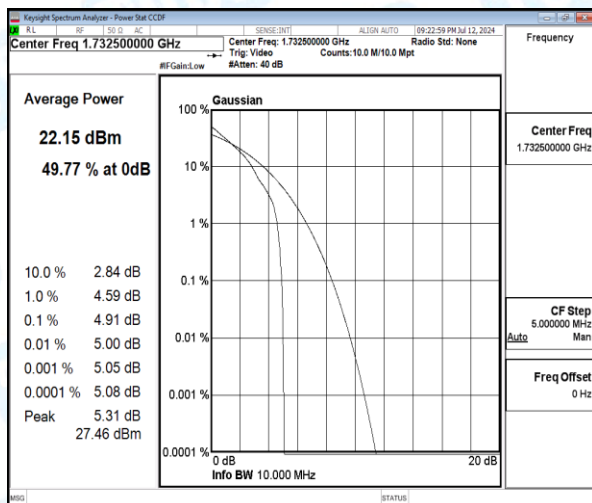
Band4-5MHz-16QAM-20375-1-0-High-5.24-<=13-PASS

Band4-5MHz-16QAM-20375-6-0-High-4.98-<=13-PASS



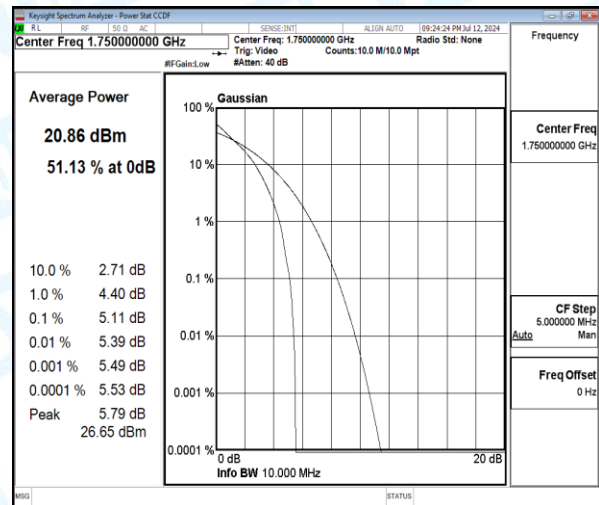
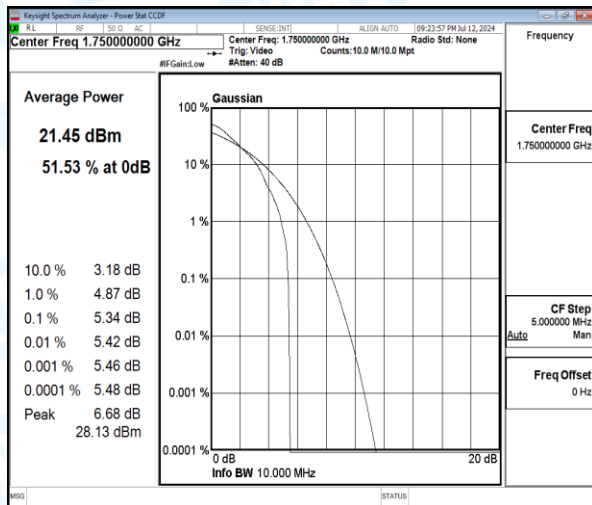
Band4-10MHz-QPSK-20000-1-0-Low-4.89-<=13-PASS

Band4-10MHz-QPSK-20000-6-0-Low-5.13-<=13-PASS



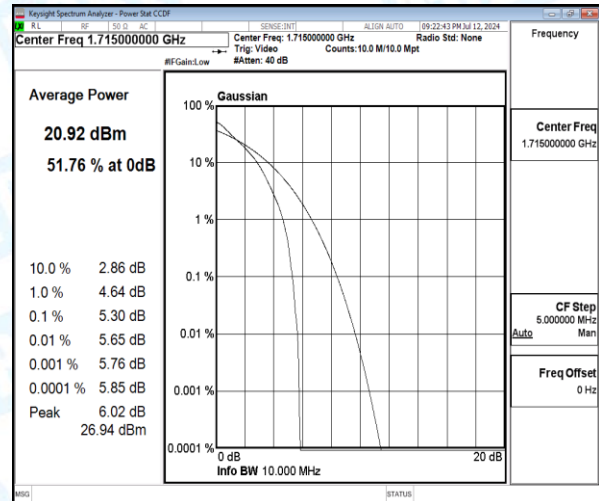
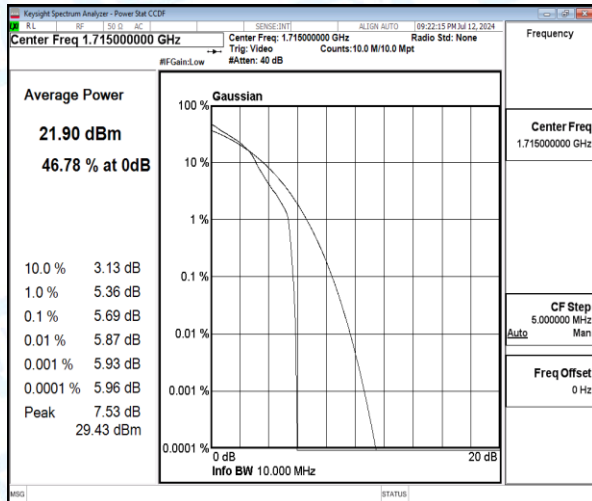
Band4-10MHz-QPSK-20175-1-0-Low-4.91-<=13-PASS

Band4-10MHz-QPSK-20175-6-0-Low-5.04-<=13-PASS



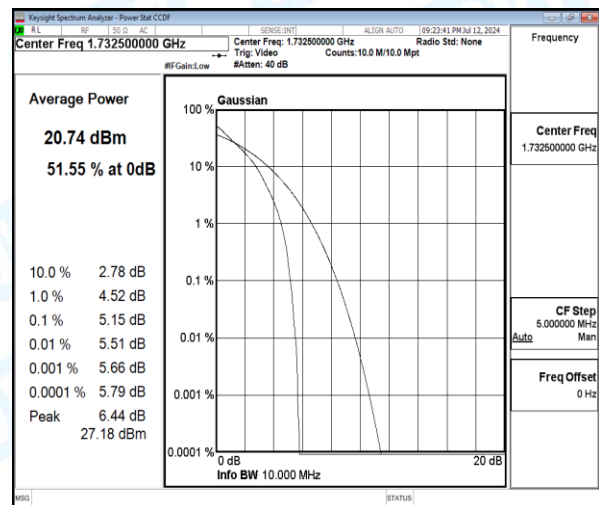
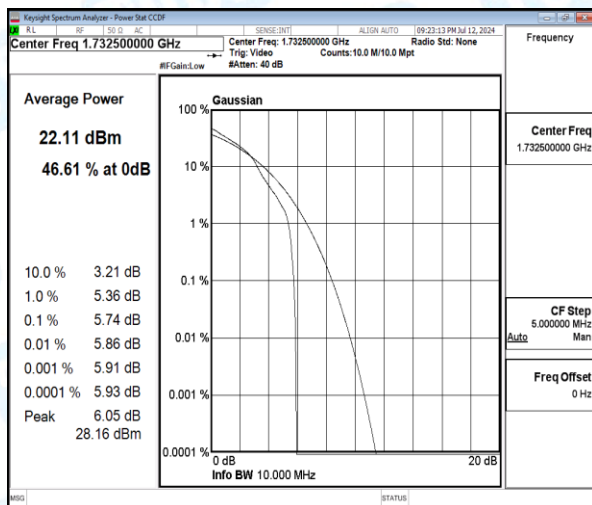
Band4-10MHz-QPSK-20350-1-0-High-5.34-=<=13-PASS

Band4-10MHz-QPSK-20350-6-0-High-5.11-=<=13-PASS



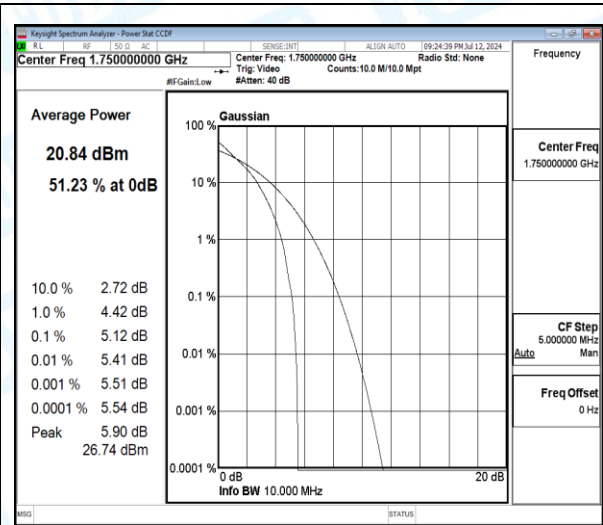
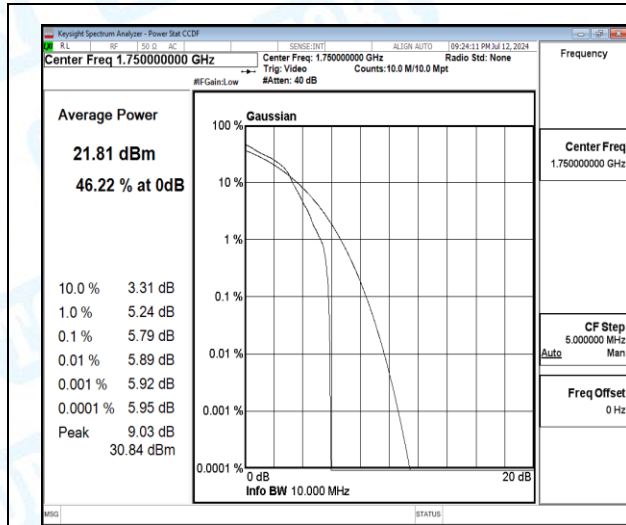
Band4-10MHz-16QAM-20000-1-0-Low-5.69-=<=13-PASS

Band4-10MHz-16QAM-20000-6-0-Low-5.30-=<=13-PASS



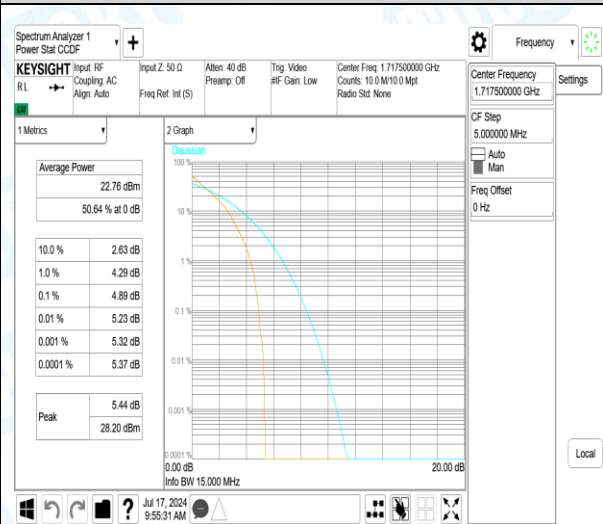
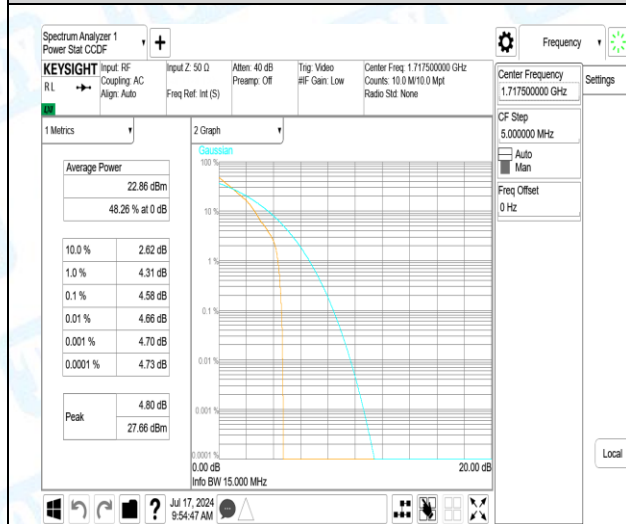
Band4-10MHz-16QAM-20175-1-0-Low-5.74-=<=13-PASS

Band4-10MHz-16QAM-20175-6-0-Low-5.15-=<=13-PASS



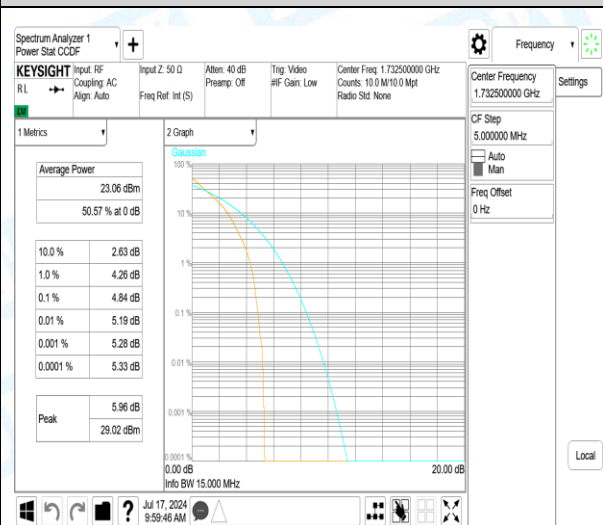
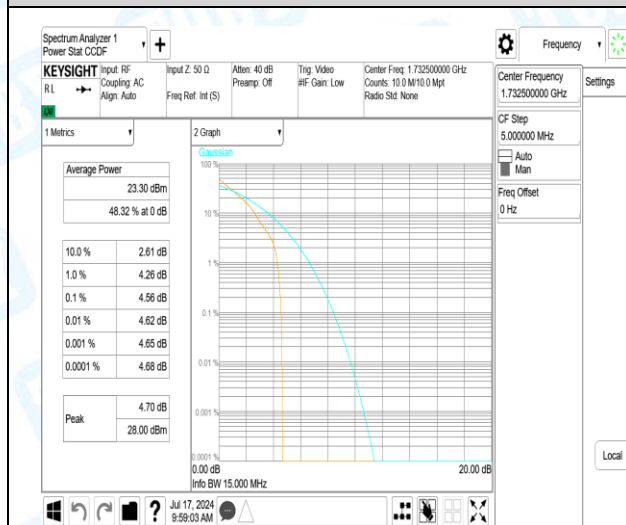
Band4-10MHz-16QAM-20350-1-0-High-5.79-=<=13-PASS

Band4-10MHz-16QAM-20350-6-0-High-5.12-=<=13-PASS



Band4-15MHz-QPSK-20025-1-0-Low-4.58-=<=13-PASS

Band4-15MHz-QPSK-20025-6-0-Low-4.89-=<=13-PASS



Band4-15MHz-QPSK-20175-1-0-Low-4.56-=<=13-PASS

Band4-15MHz-QPSK-20175-6-0-Low-4.84-=<=13-PASS

