

Appendix A: Effective (Isotropic) Radiated Power

Test Result

Test Band: LTE CatM1 B66 _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.65	21.73	21.74	/	2.58	24.23	24.31	24.32	30.00	PASS
	1	2	21.81	21.79	21.77	/	2.58	24.39	24.37	24.35	30.00	PASS
	1	5	21.73	21.77	21.69	/	2.58	24.31	24.35	24.27	30.00	PASS
	3	0	21.74	21.75	21.68	/	2.58	24.32	24.33	24.26	30.00	PASS
	3	2	21.71	21.71	21.67	/	2.58	24.29	24.29	24.25	30.00	PASS
	3	3	21.75	21.72	21.65	/	2.58	24.33	24.3	24.23	30.00	PASS
	6	0	21.09	20.75	20.81	/	2.58	23.67	23.33	23.39	30.00	PASS
16QAM	1	0	21.14	20.98	21.08	/	2.58	23.72	23.56	23.66	30.00	PASS
	1	2	21.16	21.12	21.03	/	2.58	23.74	23.7	23.61	30.00	PASS
	1	5	21.25	21.01	21.05	/	2.58	23.83	23.59	23.63	30.00	PASS
	3	0	20.93	20.78	20.84	/	2.58	23.51	23.36	23.42	30.00	PASS
	3	2	20.89	20.92	20.79	/	2.58	23.47	23.5	23.37	30.00	PASS
	3	3	20.66	20.54	20.59	/	2.58	23.24	23.12	23.17	30.00	PASS
	6	0	20.37	20.35	20.07	/	2.58	22.95	22.93	22.65	30.00	PASS

Test Band: LTE CatM1 B66 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.57	21.51	21.66	/	2.58	24.15	24.09	24.24	30.00	PASS
	1	2	21.86	21.75	21.72	/	2.58	24.44	24.33	24.3	30.00	PASS
	1	5	21.59	21.67	21.53	/	2.58	24.17	24.25	24.11	30.00	PASS
	3	0	20.91	20.76	20.87	/	2.58	23.49	23.34	23.45	30.00	PASS
	3	2	20.84	20.84	20.83	/	2.58	23.42	23.42	23.41	30.00	PASS
	3	3	20.74	20.85	20.79	/	2.58	23.32	23.43	23.37	30.00	PASS
	6	0	21.04	20.79	20.77	/	2.58	23.62	23.37	23.35	30.00	PASS
16QAM	1	0	21.05	20.81	20.99	/	2.58	23.63	23.39	23.57	30.00	PASS
	1	2	21.11	21.09	21.18	/	2.58	23.69	23.67	23.76	30.00	PASS
	1	5	20.98	21.07	20.94	/	2.58	23.56	23.65	23.52	30.00	PASS
	3	0	20.31	20.46	20.26	/	2.58	22.89	23.04	22.84	30.00	PASS
	3	2	20.33	20.25	20.15	/	2.58	22.91	22.83	22.73	30.00	PASS
	3	3	20.23	20.25	20.13	/	2.58	22.81	22.83	22.71	30.00	PASS
	6	0	20.21	20.17	20.06	/	2.58	22.79	22.75	22.64	30.00	PASS

Test Band: LTE CatM1 B66 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.85	21.74	21.90	/	2.58	24.43	24.32	24.48	30.00	PASS
	1	2	21.79	21.77	21.72	/	2.58	24.37	24.35	24.3	30.00	PASS
	1	5	21.75	21.88	21.68	/	2.58	24.33	24.46	24.26	30.00	PASS
	3	0	20.97	20.78	20.86	/	2.58	23.55	23.36	23.44	30.00	PASS
	3	2	20.74	20.85	20.97	/	2.58	23.32	23.43	23.55	30.00	PASS
	3	3	20.71	20.95	20.99	/	2.58	23.29	23.53	23.57	30.00	PASS
	6	0	21.15	20.87	20.98	/	2.58	23.73	23.45	23.56	30.00	PASS
16QAM	1	0	21.37	20.98	21.17	/	2.58	23.95	23.56	23.75	30.00	PASS
	1	2	21.11	21.23	21.45	/	2.58	23.69	23.81	24.03	30.00	PASS
	1	5	20.94	21.35	21.21	/	2.58	23.52	23.93	23.79	30.00	PASS
	3	0	20.26	20.15	20.27	/	2.58	22.84	22.73	22.85	30.00	PASS
	3	2	20.22	20.22	20.25	/	2.58	22.8	22.8	22.83	30.00	PASS
	3	3	20.15	20.31	20.29	/	2.58	22.73	22.89	22.87	30.00	PASS
	6	0	20.22	20.22	20.26	/	2.58	22.8	22.8	22.84	30.00	PASS

Test Band: LTE CatM1 B66 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.69	21.66	21.67	/	2.58	24.27	24.24	24.25	30.00	PASS
	1	2	21.54	21.89	21.97	/	2.58	24.12	24.47	24.55	30.00	PASS
	1	5	21.35	21.89	21.94	/	2.58	23.93	24.47	24.52	30.00	PASS
	3	0	20.89	20.84	20.83	/	2.58	23.47	23.42	23.41	30.00	PASS
	3	2	20.59	21.04	20.92	/	2.58	23.17	23.62	23.5	30.00	PASS
	3	3	20.43	21.08	20.97	/	2.58	23.01	23.66	23.55	30.00	PASS
	6	0	20.89	20.99	20.90	/	2.58	23.47	23.57	23.48	30.00	PASS
16QAM	1	0	21.27	21.13	20.93	/	2.58	23.85	23.71	23.51	30.00	PASS
	1	2	20.89	21.26	21.21	/	2.58	23.47	23.84	23.79	30.00	PASS
	1	5	20.72	21.49	21.29	/	2.58	23.3	24.07	23.87	30.00	PASS
	3	0	21.06	21.06	21.11	/	2.58	23.64	23.64	23.69	30.00	PASS
	3	2	20.96	21.33	21.25	/	2.58	23.54	23.91	23.83	30.00	PASS
	3	3	20.72	21.41	21.29	/	2.58	23.3	23.99	23.87	30.00	PASS
	6	0	20.23	20.25	20.39	/	2.58	22.81	22.83	22.97	30.00	PASS

Test Band: LTE CatM1 B66 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.78	21.48	21.84	/	2.58	24.36	24.06	24.42	30.00	PASS
	1	2	21.22	21.99	21.73	/	2.58	23.8	24.57	24.31	30.00	PASS
	1	5	20.84	21.96	21.81	/	2.58	23.42	24.54	24.39	30.00	PASS
	3	0	20.86	20.76	20.76	/	2.58	23.44	23.34	23.34	30.00	PASS
	3	2	20.37	21.01	20.84	/	2.58	22.95	23.59	23.42	30.00	PASS
	3	3	20.16	21.14	20.99	/	2.58	22.74	23.72	23.57	30.00	PASS
	6	0	21.23	20.98	20.86	/	2.58	23.81	23.56	23.44	30.00	PASS
16QAM	1	0	21.27	20.86	21.22	/	2.58	23.85	23.44	23.8	30.00	PASS
	1	2	20.66	21.39	21.15	/	2.58	23.24	23.97	23.73	30.00	PASS
	1	5	20.21	21.49	21.18	/	2.58	22.79	24.07	23.76	30.00	PASS
	3	0	20.53	20.96	21.09	/	2.58	23.11	23.54	23.67	30.00	PASS
	3	2	20.76	20.69	20.78	/	2.58	23.34	23.27	23.36	30.00	PASS
	3	3	20.33	20.44	20.64	/	2.58	22.91	23.02	23.22	30.00	PASS
	6	0	20.18	20.06	20.41	/	2.58	22.76	22.64	22.99	30.00	PASS

Test Band: LTE CatM1 B66 _ 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.58	21.27	21.88	/	2.58	24.16	23.85	24.46	30.00	PASS
	1	2	21.07	21.95	21.63	/	2.58	23.65	24.53	24.21	30.00	PASS
	1	5	20.83	21.79	21.98	/	2.58	23.41	24.37	24.56	30.00	PASS
	3	0	20.62	20.72	20.92	/	2.58	23.2	23.3	23.5	30.00	PASS
	3	2	20.25	21.01	20.87	/	2.58	22.83	23.59	23.45	30.00	PASS
	3	3	20.05	21.16	20.99	/	2.58	22.63	23.74	23.57	30.00	PASS
	6	0	21.29	20.95	20.95	/	2.58	23.87	23.53	23.53	30.00	PASS
16QAM	1	0	21.24	20.67	21.21	/	2.58	23.82	23.25	23.79	30.00	PASS
	1	2	20.64	21.35	20.88	/	2.58	23.22	23.93	23.46	30.00	PASS
	1	5	20.26	21.47	21.24	/	2.58	22.84	24.05	23.82	30.00	PASS
	3	0	21.22	20.74	21.29	/	2.58	23.8	23.32	23.87	30.00	PASS
	3	2	20.59	21.34	21.06	/	2.58	23.17	23.92	23.64	30.00	PASS
	3	3	20.23	21.32	21.38	/	2.58	22.81	23.9	23.96	30.00	PASS
	6	0	20.18	20.19	20.48	/	2.58	22.76	22.77	23.06	30.00	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

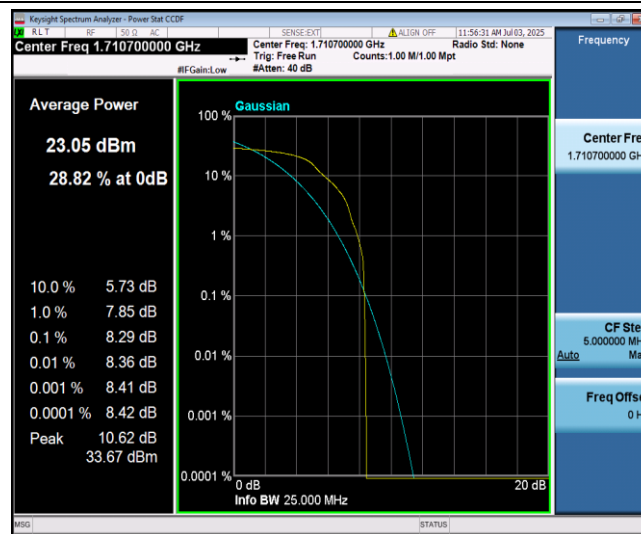
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

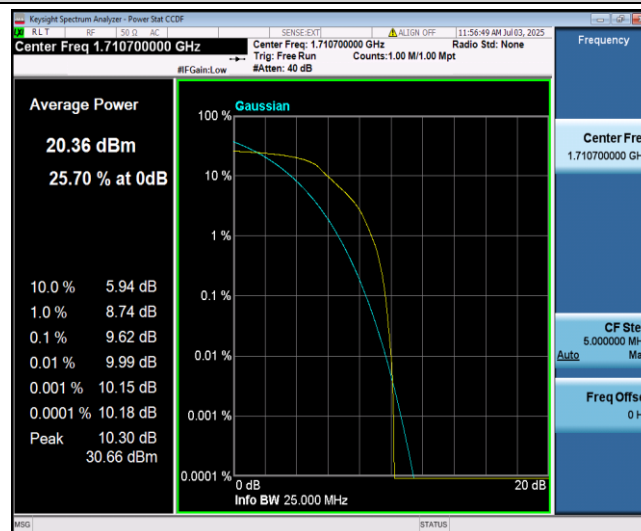
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	8.29	<=13	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	9.62	<=13	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	8.54	<=13	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	10.65	<=13	PASS
Band66	1.4MHz	132665	QPSK	1	0	High	9.06	<=13	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	9.85	<=13	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	9.48	<=13	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	9.25	<=13	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	9.75	<=13	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	10.62	<=13	PASS
Band66	1.4MHz	132665	16QAM	1	0	High	9.64	<=13	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	12.01	<=13	PASS
Band66	3MHz	131987	QPSK	1	0	Low	7.64	<=13	PASS
Band66	3MHz	131987	QPSK	6	0	Low	9.61	<=13	PASS
Band66	3MHz	132322	QPSK	1	0	Low	8.31	<=13	PASS
Band66	3MHz	132322	QPSK	6	0	Low	11.21	<=13	PASS
Band66	3MHz	132657	QPSK	1	0	High	9.04	<=13	PASS
Band66	3MHz	132657	QPSK	6	0	High	11.02	<=13	PASS
Band66	3MHz	131987	16QAM	1	0	Low	9.26	<=13	PASS
Band66	3MHz	131987	16QAM	6	0	Low	8.40	<=13	PASS
Band66	3MHz	132322	16QAM	1	0	Low	9.73	<=13	PASS
Band66	3MHz	132322	16QAM	6	0	Low	10.70	<=13	PASS
Band66	3MHz	132657	16QAM	1	0	High	9.15	<=13	PASS
Band66	3MHz	132657	16QAM	6	0	High	8.54	<=13	PASS
Band66	5MHz	131997	QPSK	1	0	Low	10.29	<=13	PASS
Band66	5MHz	131997	QPSK	6	0	Low	11.53	<=13	PASS
Band66	5MHz	132322	QPSK	1	0	Low	8.11	<=13	PASS
Band66	5MHz	132322	QPSK	6	0	Low	9.45	<=13	PASS
Band66	5MHz	131997	16QAM	1	0	Low	8.99	<=13	PASS
Band66	5MHz	131997	16QAM	6	0	Low	8.93	<=13	PASS
Band66	5MHz	132322	16QAM	1	0	Low	9.38	<=13	PASS
Band66	5MHz	132322	16QAM	6	0	Low	11.06	<=13	PASS
Band66	10MHz	132022	QPSK	1	0	Low	8.09	<=13	PASS
Band66	10MHz	132022	QPSK	6	0	Low	8.77	<=13	PASS
Band66	10MHz	132322	QPSK	1	0	Low	8.67	<=13	PASS
Band66	10MHz	132322	QPSK	6	0	Low	9.64	<=13	PASS
Band66	10MHz	132622	QPSK	1	0	High	9.63	<=13	PASS

Band66	10MHz	132622	QPSK	6	0	High	9.01	<=13	PASS
Band66	10MHz	132022	16QAM	1	0	Low	11.27	<=13	PASS
Band66	10MHz	132022	16QAM	6	0	Low	9.09	<=13	PASS
Band66	10MHz	132322	16QAM	1	0	Low	8.55	<=13	PASS
Band66	10MHz	132322	16QAM	6	0	Low	11.00	<=13	PASS
Band66	10MHz	132622	16QAM	1	0	High	11.42	<=13	PASS
Band66	10MHz	132622	16QAM	6	0	High	9.51	<=13	PASS
Band66	15MHz	132047	QPSK	1	0	Low	9.57	<=13	PASS
Band66	15MHz	132047	QPSK	6	0	Low	9.13	<=13	PASS
Band66	15MHz	132322	QPSK	1	0	Low	11.06	<=13	PASS
Band66	15MHz	132322	QPSK	6	0	Low	11.54	<=13	PASS
Band66	15MHz	132597	QPSK	1	0	High	9.45	<=13	PASS
Band66	15MHz	132597	QPSK	6	0	High	8.26	<=13	PASS
Band66	15MHz	132047	16QAM	1	0	Low	8.67	<=13	PASS
Band66	15MHz	132047	16QAM	6	0	Low	9.00	<=13	PASS
Band66	15MHz	132322	16QAM	1	0	Low	9.30	<=13	PASS
Band66	15MHz	132322	16QAM	6	0	Low	9.32	<=13	PASS
Band66	15MHz	132597	16QAM	1	0	High	9.17	<=13	PASS
Band66	15MHz	132597	16QAM	6	0	High	10.46	<=13	PASS
Band66	20MHz	132072	QPSK	1	0	Low	9.16	<=13	PASS
Band66	20MHz	132072	QPSK	6	0	Low	8.98	<=13	PASS
Band66	20MHz	132322	QPSK	1	0	Low	8.49	<=13	PASS
Band66	20MHz	132322	QPSK	6	0	Low	10.88	<=13	PASS
Band66	20MHz	132572	QPSK	1	0	High	9.25	<=13	PASS
Band66	20MHz	132572	QPSK	6	0	High	8.93	<=13	PASS
Band66	20MHz	132072	16QAM	1	0	Low	10.78	<=13	PASS
Band66	20MHz	132072	16QAM	6	0	Low	8.65	<=13	PASS
Band66	20MHz	132322	16QAM	1	0	Low	9.39	<=13	PASS
Band66	20MHz	132322	16QAM	6	0	Low	9.66	<=13	PASS
Band66	20MHz	132572	16QAM	1	0	High	11.73	<=13	PASS
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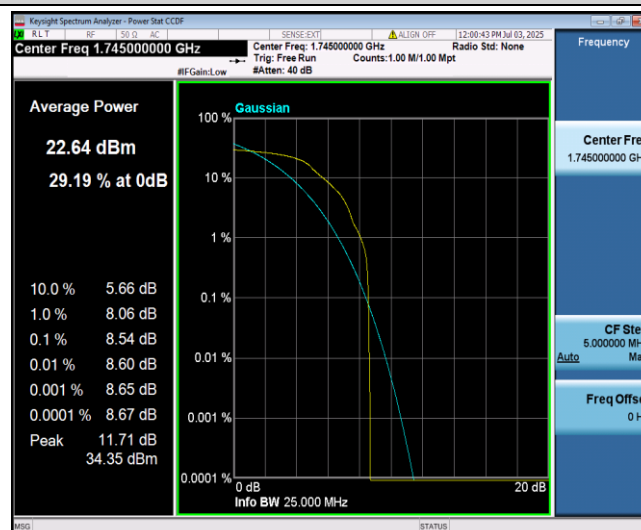
Test Graphs



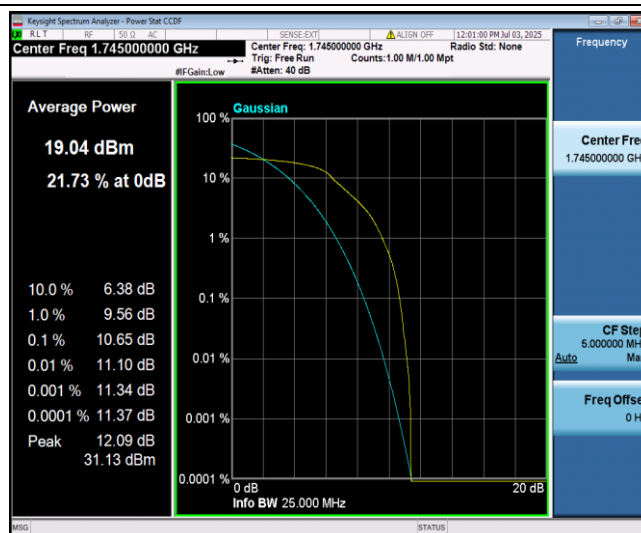
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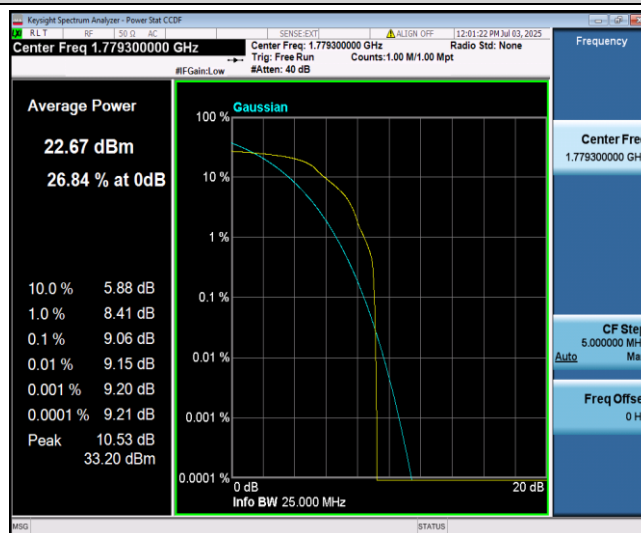
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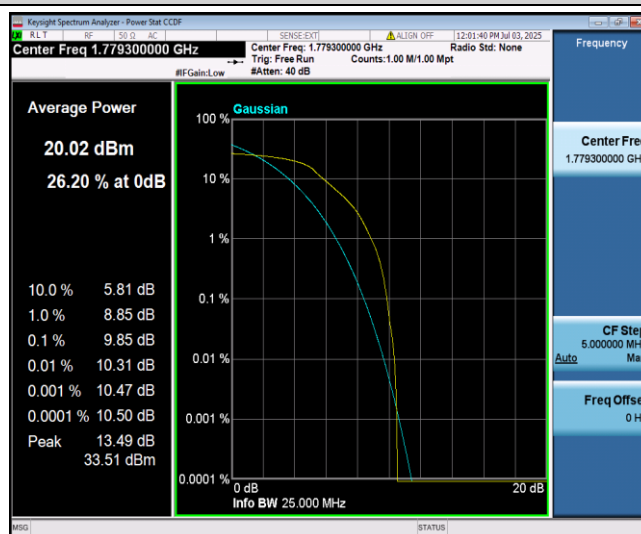
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Band66-1.4MHz-QPSK-132322-6-0-Low-10.65-<=13-PASS



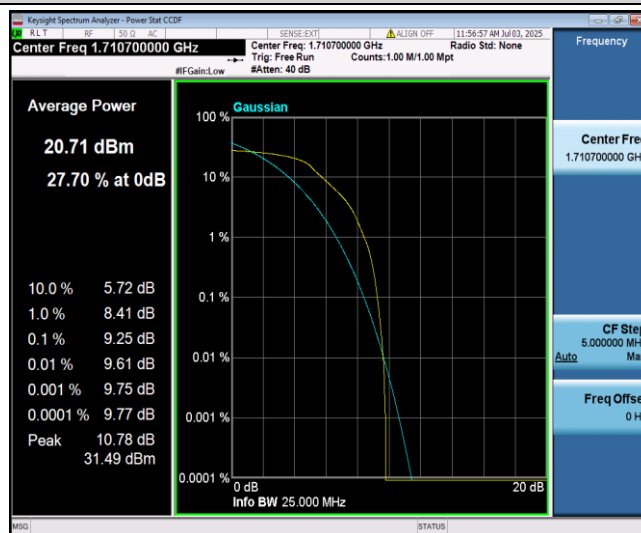
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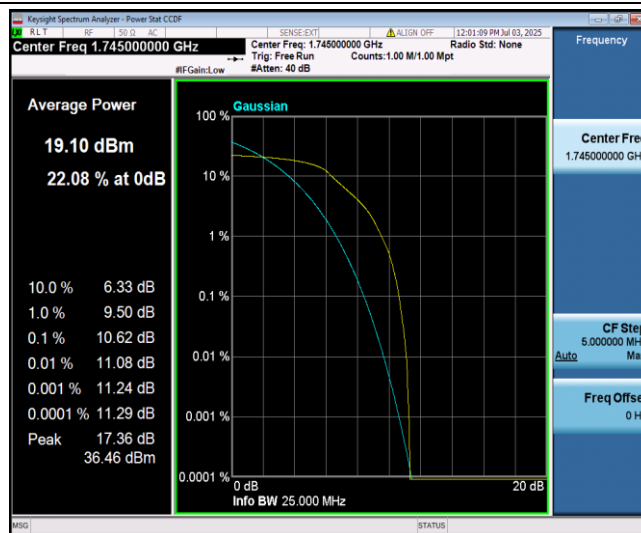
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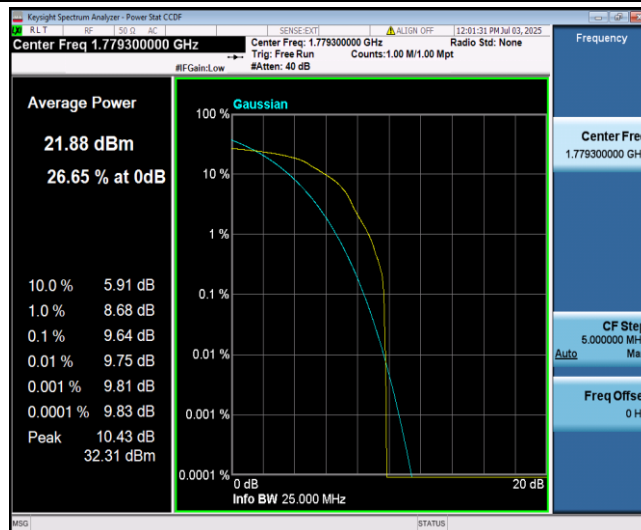
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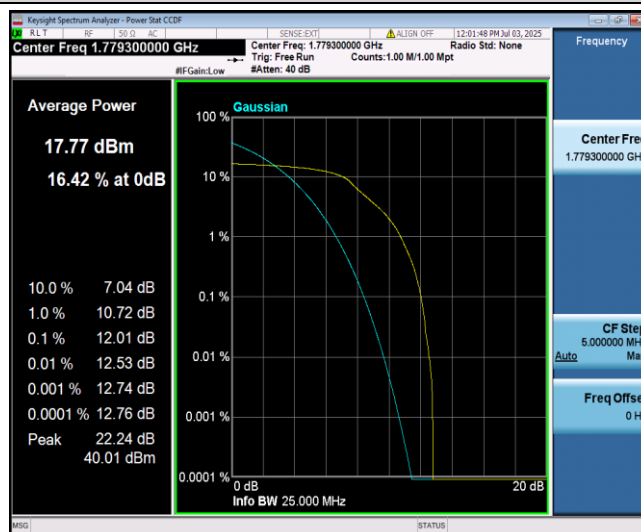
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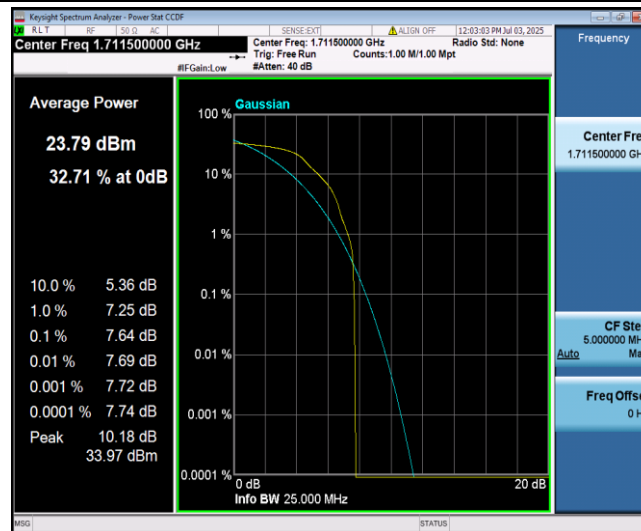
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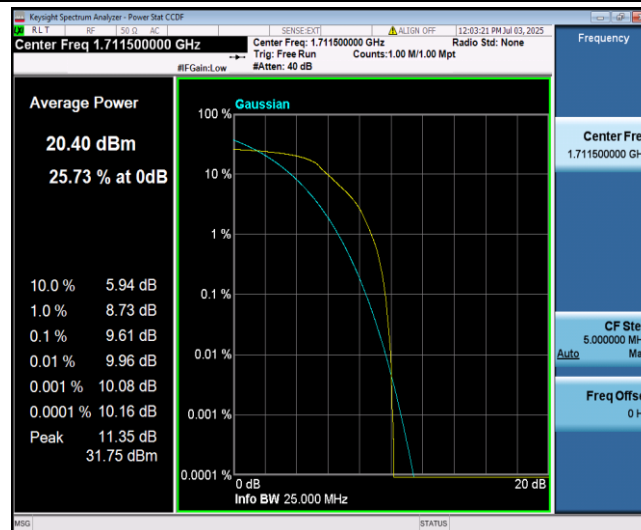
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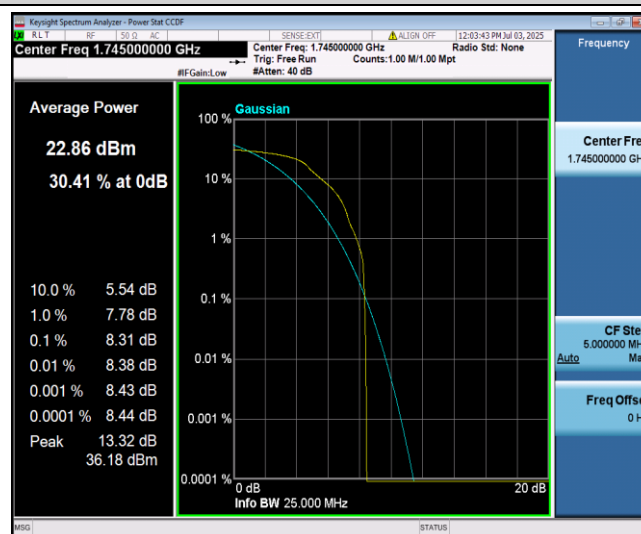
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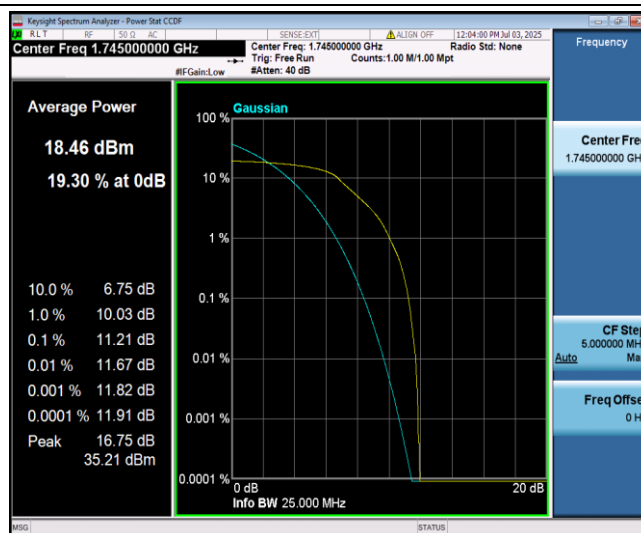
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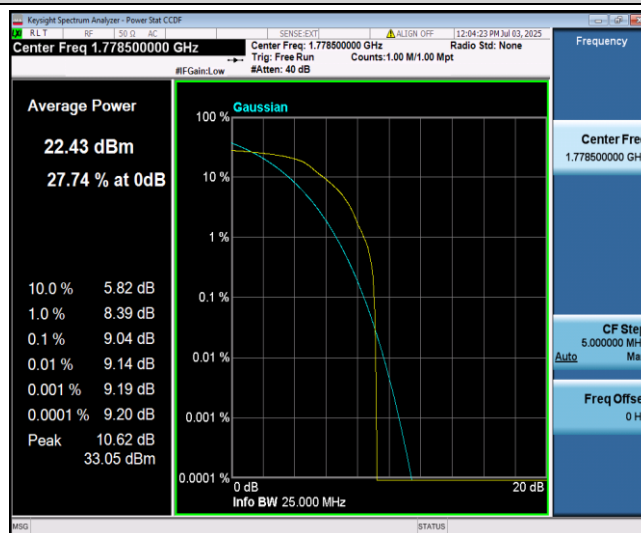
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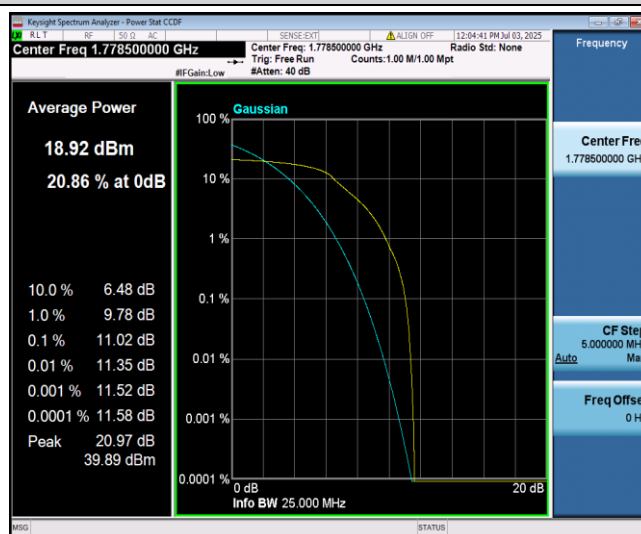
Band66-3MHz-QPSK-132322-1-0-Low-8.31-<=13-PASS



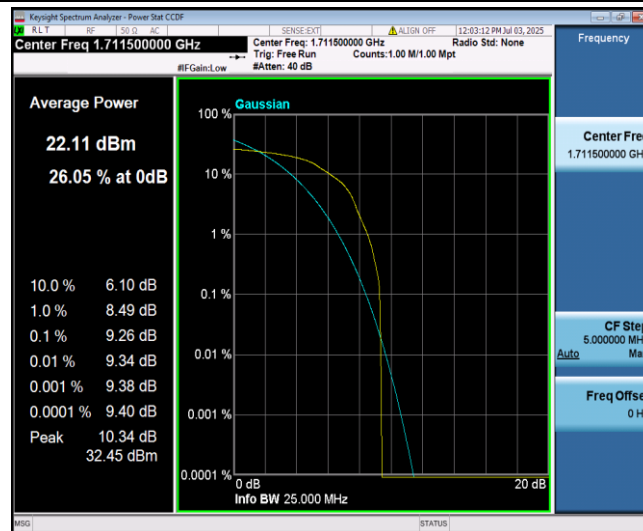
Band66-3MHz-QPSK-132322-6-0-Low-11.21-<=13-PASS



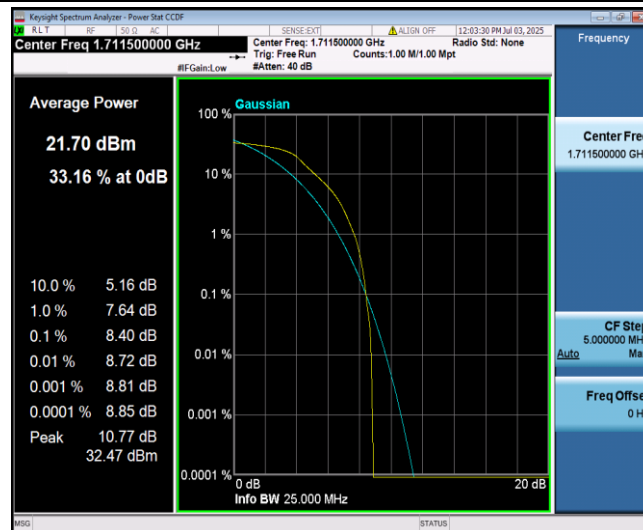
Band66-3MHz-QPSK-132657-1-0-High-9.04-<=13-PASS



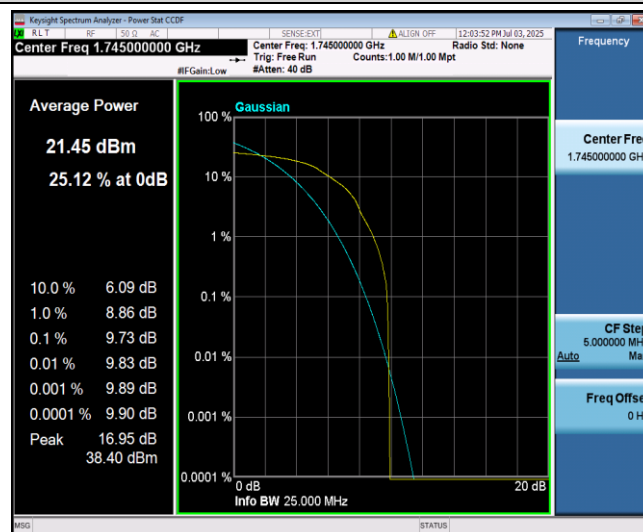
Band66-3MHz-QPSK-132657-6-0-High-11.02-<=13-PASS



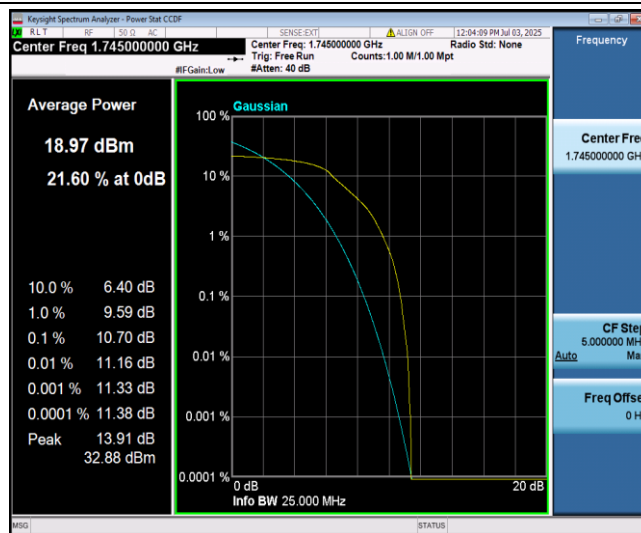
Band66-3MHz-16QAM-131987-1-0-Low-9.26-<=13-PASS



Band66-3MHz-16QAM-131987-6-0-Low-8.40-<=13-PASS



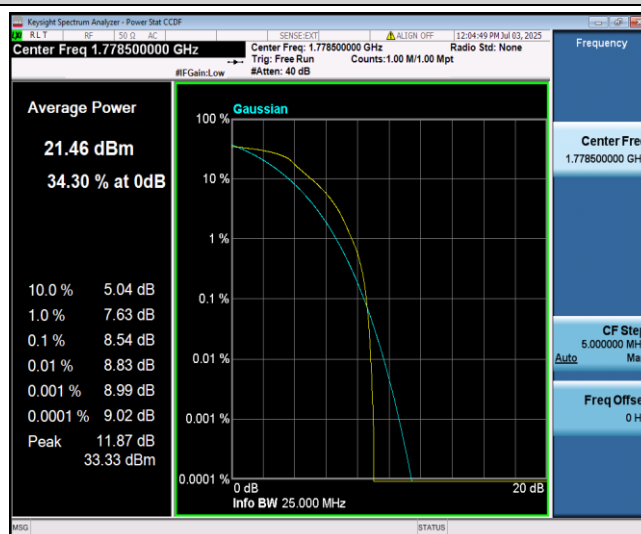
Band66-3MHz-16QAM-132322-1-0-Low-9.73-<=13-PASS



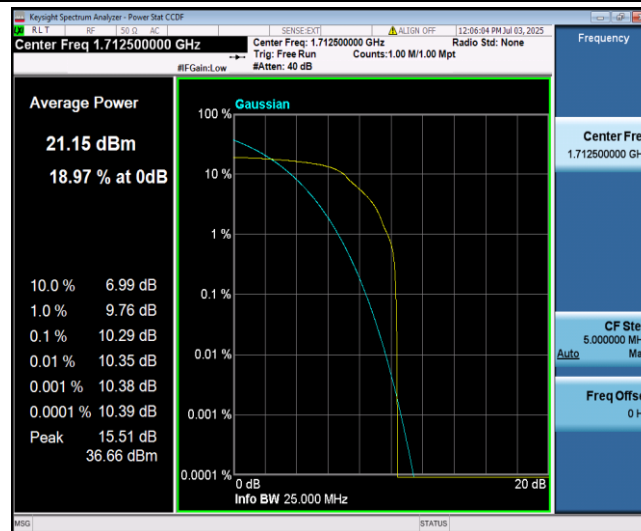
Band66-3MHz-16QAM-132322-6-0-Low-10.70-<=13-PASS



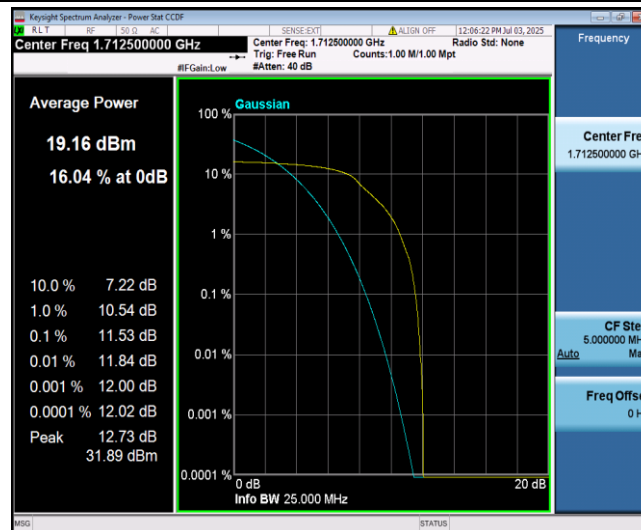
Band66-3MHz-16QAM-132657-1-0-High-9.15-<=13-PASS



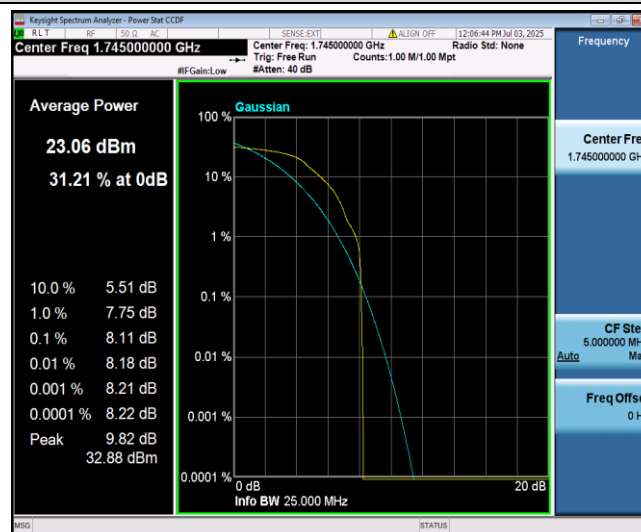
Band66-3MHz-16QAM-132657-6-0-High-8.54-<=13-PASS



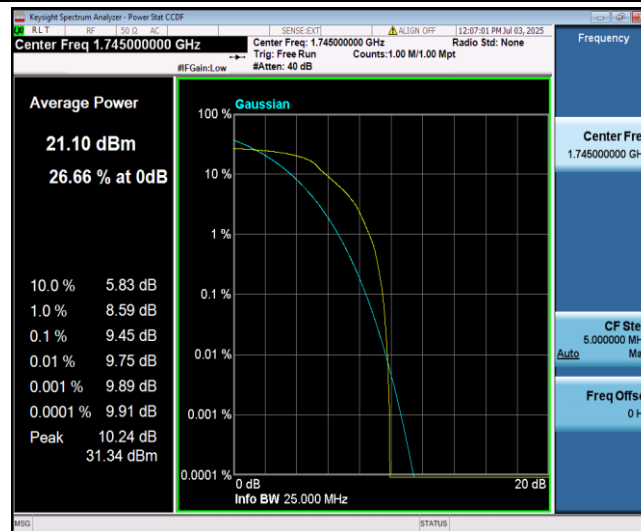
Band66-5MHz-QPSK-131997-1-0-Low-10.29-<=13-PASS



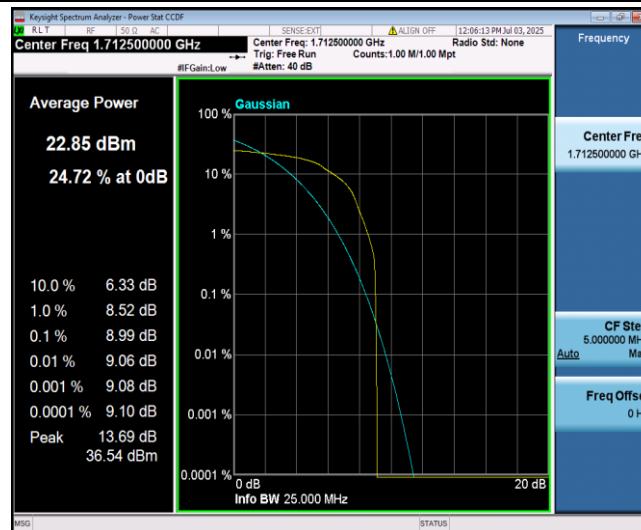
Band66-5MHz-QPSK-131997-6-0-Low-11.53-<=13-PASS



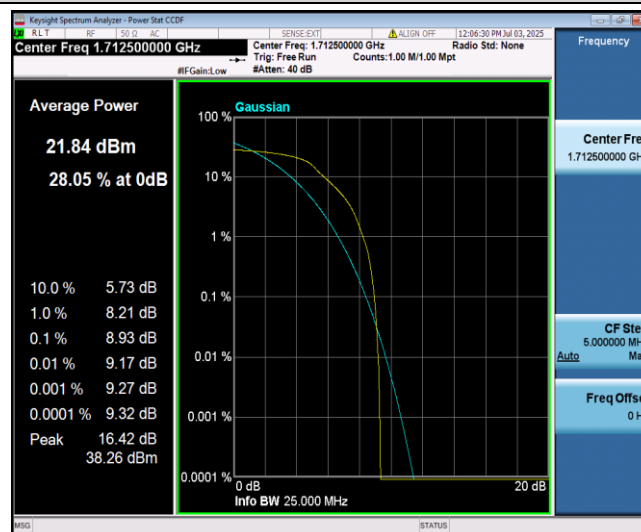
Band66-5MHz-QPSK-132322-1-0-Low-8.11-<=13-PASS



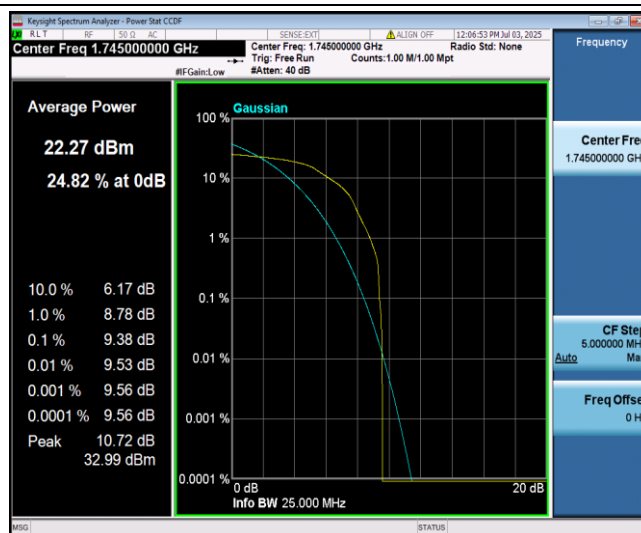
Band66-5MHz-QPSK-132322-6-0-Low-9.45-<=13-PASS



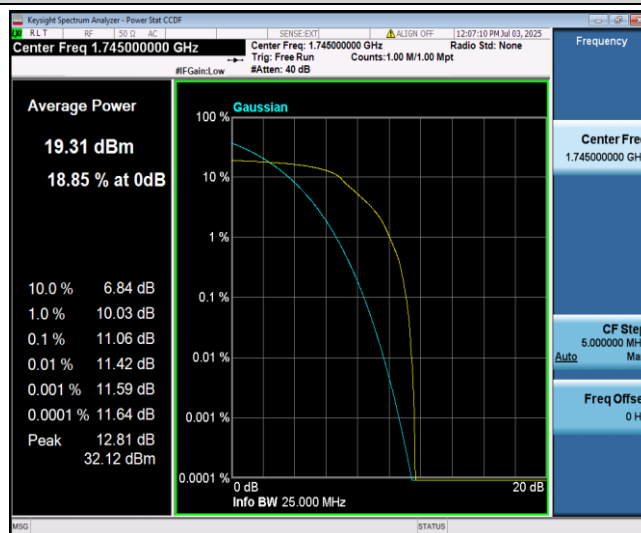
Band66-5MHz-16QAM-131997-1-0-Low-8.99-<=13-PASS



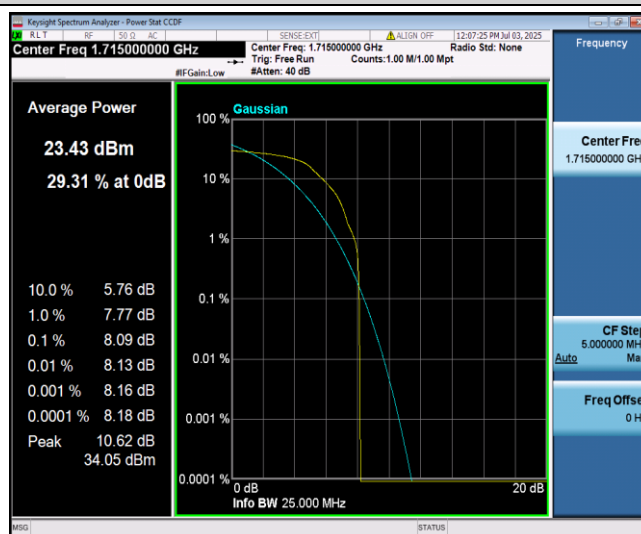
Band66-5MHz-16QAM-131997-6-0-Low-8.93-<=13-PASS



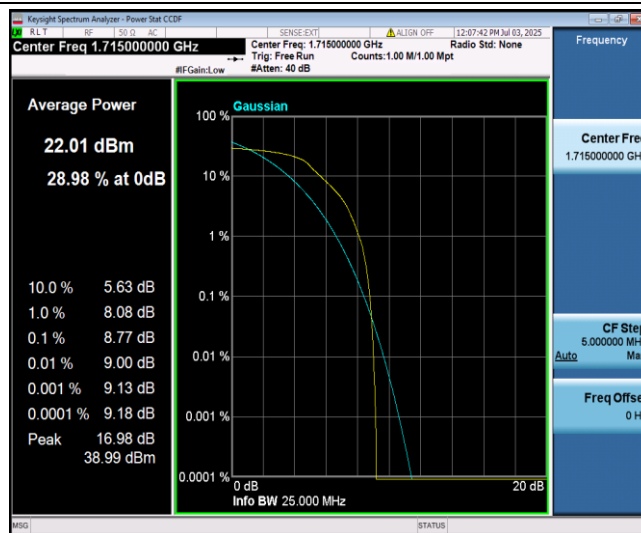
Band66-5MHz-16QAM-132322-1-0-Low-9.38-<=13-PASS



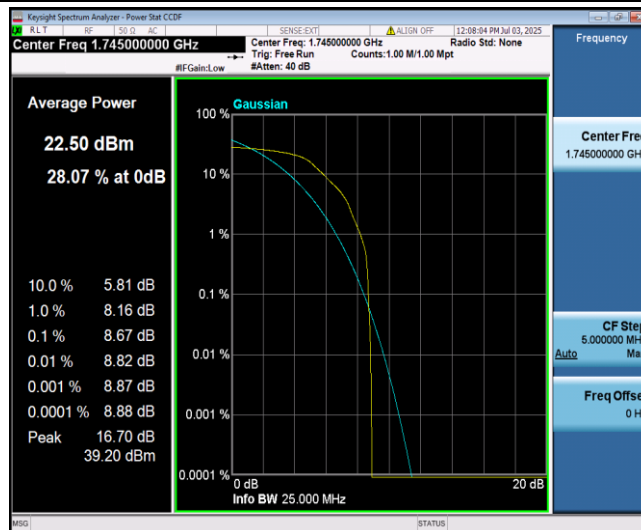
Band66-5MHz-16QAM-132322-6-0-Low-11.06-<=13-PASS



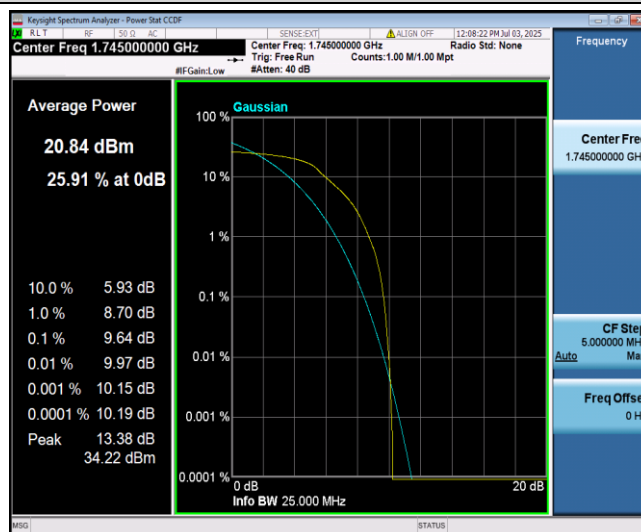
Band66-10MHz-QPSK-132022-1-0-Low-8.09-<=13-PASS



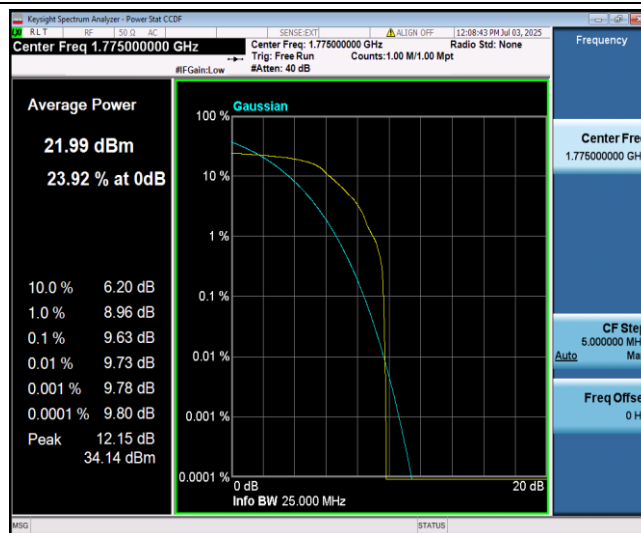
Band66-10MHz-QPSK-132022-6-0-Low-8.77-<=13-PASS



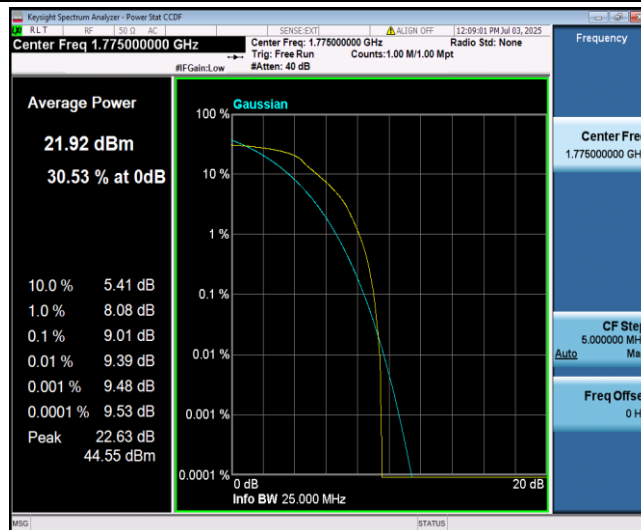
Band66-10MHz-QPSK-132322-1-0-Low-8.67-<=13-PASS



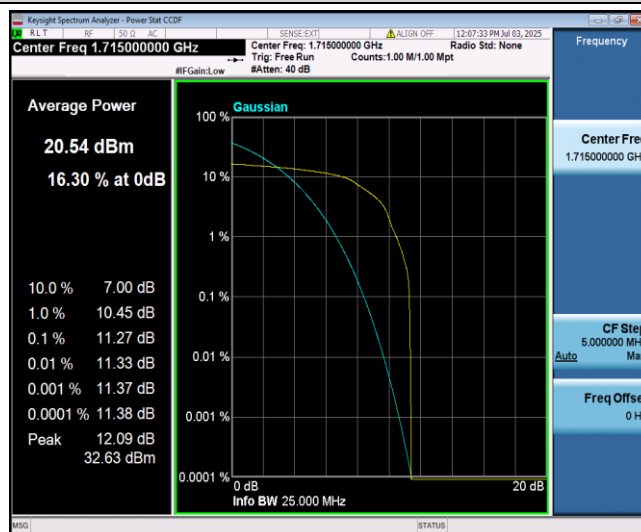
Band66-10MHz-QPSK-132322-6-0-Low-9.64-<=13-PASS



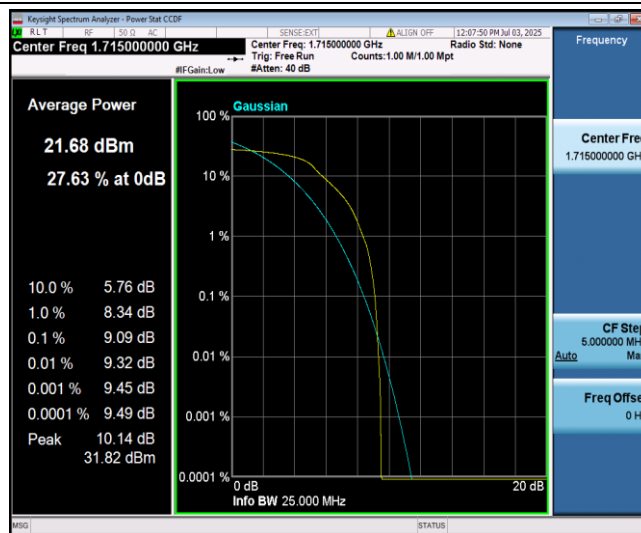
Band66-10MHz-QPSK-132622-1-0-High-9.63-<=13-PASS



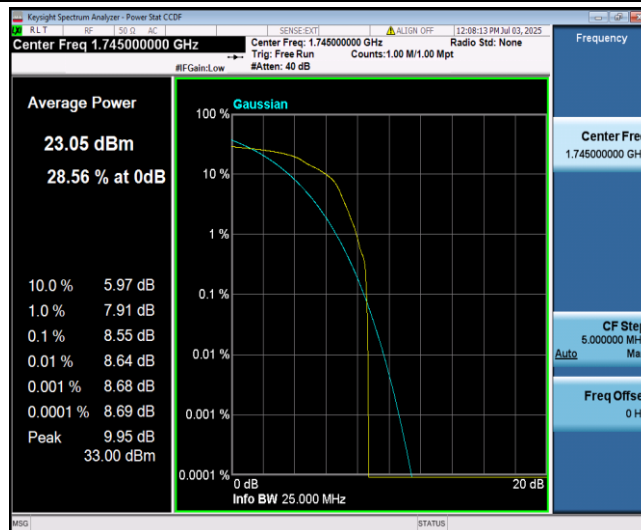
Band66-10MHz-QPSK-132622-6-0-High-9.01-<=13-PASS



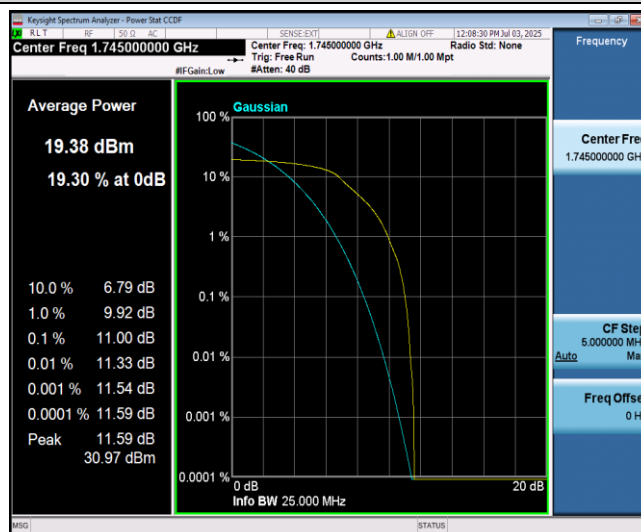
Band66-10MHz-16QAM-132022-1-0-Low-11.27-<=13-PASS



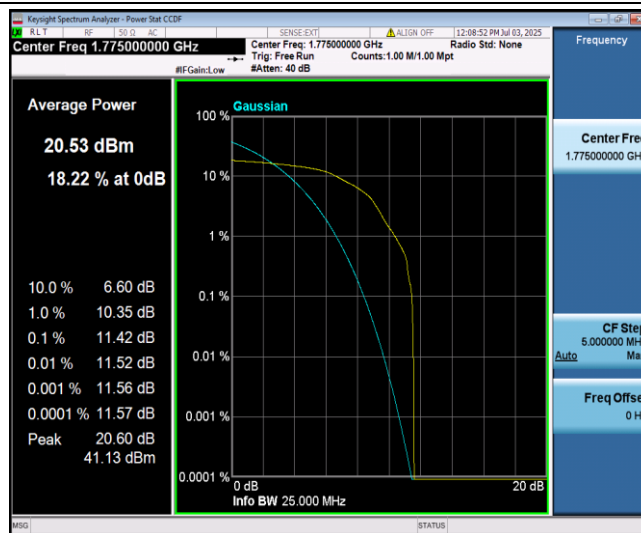
Band66-10MHz-16QAM-132022-6-0-Low-9.09-<=13-PASS



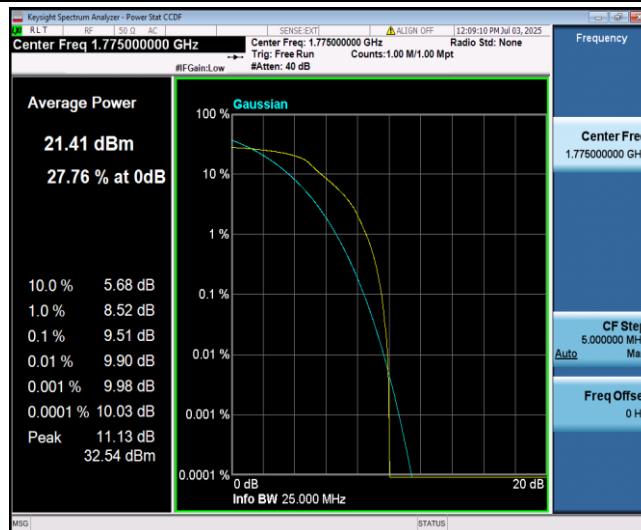
Band66-10MHz-16QAM-132322-1-0-Low-8.55-<=13-PASS



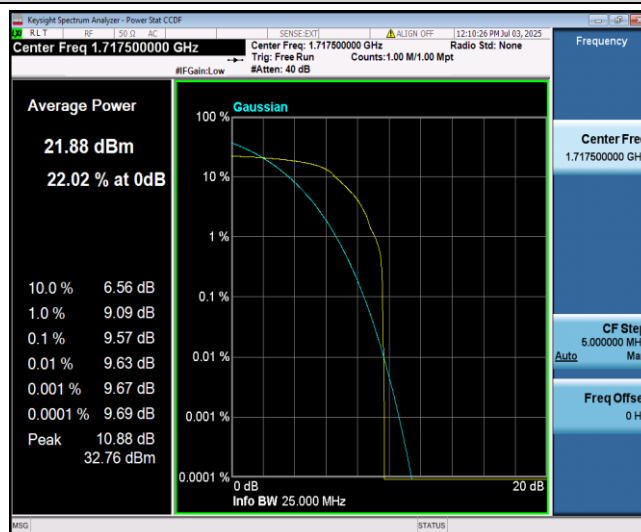
Band66-10MHz-16QAM-132322-6-0-Low-11.00-<=13-PASS



Band66-10MHz-16QAM-132622-1-0-High-11.42-<=13-PASS



Band66-10MHz-16QAM-132622-6-0-High-9.51-<=13-PASS



Band66-15MHz-QPSK-132047-1-0-Low-9.57-<=13-PASS