Appendix C: Test Data for LTE Band 4

Product Name: GNSS Tracker

Test Model: GV75CG

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

C.1 Conducted Output Power Data for LTE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.03	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.94	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	20.77	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.78	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	20.62	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.24	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	20.81	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.86	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	20.82	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.85	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	20.89	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.88	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.88	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	21.01	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.84	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.82	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.27	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	20.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.22	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	20.63	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.84	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.06	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.16	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.11	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.85	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.09	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.27	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.26	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.84	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.13	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.67	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.84	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.69	PASS

Band4	1.4MHz	16QAM	20393	3RB#1	21.28	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.24	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.28	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.21	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.95	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.09	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.10	PASS
Band4	3MHz	QPSK	19965	1RB#8	20.88	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.28	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.20	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.64	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.87	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.37	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.67	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.71	PASS
Band4	3MHz	QPSK	19965	8RB#7	20.82	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.74	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.28	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.02	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.20	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.18	PASS
Band4	3MHz	QPSK	20175	1RB#8	20.99	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.34	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.35	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.79	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.03	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.88	PASS
Band4	3MHz	QPSK	20175	8RB#4	20.68	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.10	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.23	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.17	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.97	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.05	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.75	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.76	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.28	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.19	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.38	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.06	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.71	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.70	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.21	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.02	PASS

Band4	3MHz	QPSK	20385	8RB#7	20.76	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.70	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.09	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.82	PASS
Band4	5MHz	QPSK	19975	1RB#0	20.78	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.04	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.06	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.90	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.26	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.08	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.02	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.69	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.13	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.03	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.97	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.78	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.74	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.17	PASS
Band4	5MHz	QPSK	20175	1RB#0	20.70	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.33	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.12	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.62	PASS
Band4	5MHz	QPSK	20175	1RB#24	20.83	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.94	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.68	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.61	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.82	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.27	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.92	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.23	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.14	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.33	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.88	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.04	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.65	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.85	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.77	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.89	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.09	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.22	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.81	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.32	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.72	PASS

Band4	5MHz	16QAM	20375	12RB#13	20.78	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.85	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.21	PASS
Band4	10MHz	QPSK	20000	1RB#0	20.73	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.72	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.20	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	20.65	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.82	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.66	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.67	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.75	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.13	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.15	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.33	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.34	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.27	PASS
Band4	10MHz	QPSK	20175	1RB#0	20.86	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.61	PASS
Band4	10MHz	QPSK	20175	1RB#24	20.91	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.88	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.17	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.76	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.31	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.97	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.90	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.34	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.61	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.82	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.21	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.09	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.15	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.76	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.20	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.08	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.20	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.61	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.15	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.73	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.64	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.90	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.67	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.60	PASS

Band4	10MHz	QPSK	20350	50RB#0	20.96	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.75	PASS
Band4	15MHz	QPSK	20025	1RB#0	20.73	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.07	PASS
Band4	15MHz	QPSK	20025	1RB#38	20.69	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.37	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.01	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.89	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.35	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.22	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.26	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.37	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.31	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.73	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.92	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.17	PASS
Band4	15MHz	QPSK	20175	1RB#0	20.70	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.95	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.15	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.09	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.69	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.92	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.25	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.73	PASS
Band4	15MHz	QPSK	20175	38RB#18	20.63	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.30	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.16	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.02	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.95	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.92	PASS
Band4	15MHz	QPSK	20325	1RB#0	20.97	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.04	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.75	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.82	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.20	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.79	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.80	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.64	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.33	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.88	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.30	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.88	PASS

Band4	15MHz	16QAM	20325	75RB#0	20.67	PASS
Band4	20MHz	QPSK	20050	1RB#0	20.94	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.69	PASS
Band4	20MHz	QPSK	20050	1RB#49	20.72	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.14	PASS
Band4	20MHz	QPSK	20050	1RB#99	20.69	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.12	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.15	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.12	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.91	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.85	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.33	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.37	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.01	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.15	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.86	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.20	PASS
Band4	20MHz	16QAM	20175	1RB#49	20.90	PASS
Band4	20MHz	QPSK	20175	1RB#99	20.93	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.01	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.16	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.39	PASS
Band4	20MHz	QPSK	20175	50RB#25	20.97	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.90	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.27	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.13	PASS
Band4	20MHz	QPSK	20175	100RB#0	20.94	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.23	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.06	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.71	PASS
Band4	20MHz	QPSK	20300	1RB#49	20.97	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.10	PASS
Band4	20MHz	QPSK	20300	1RB#99	20.95	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.79	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.71	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.18	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.06	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.01	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.06	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.92	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.39	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.81	PASS

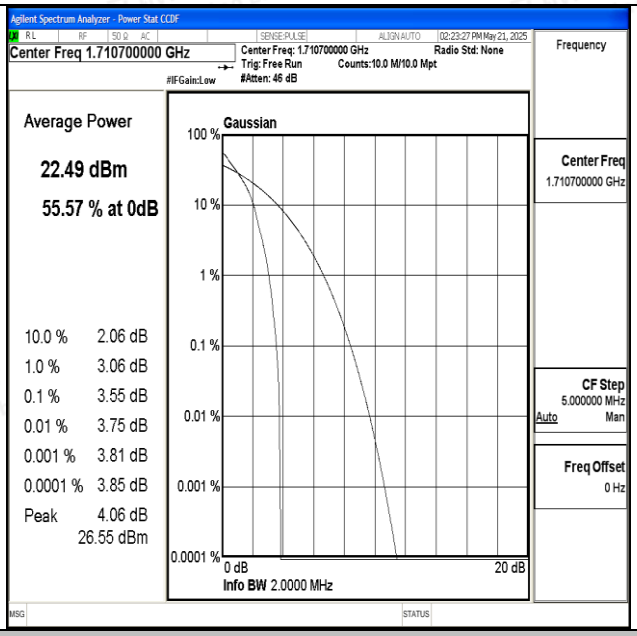
C.2 Peak-to-Average Ratio(CCDF) for LTE

Test Result

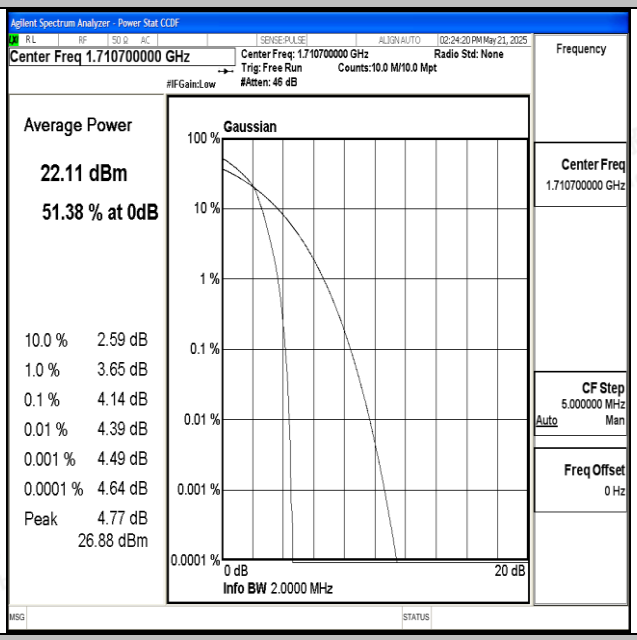
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	3.55	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.14	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.33	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	4.91	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.85	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.37	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.73	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.31	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.27	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3.73	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.20	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.82	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.56	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.22	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.34	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.97	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.98	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.72	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.75	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.45	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.28	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.02	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.13	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.80	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.67	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.37	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.89	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.40	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.14	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.97	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.09	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.69	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.26	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.10	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.68	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.24	13	PASS

Band4	10MHz	QPSK	20000	1RB#0	3.62	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.25	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.99	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.58	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.21	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.84	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.12	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.76	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	2.99	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	3.85	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.67	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.26	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.60	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.25	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.31	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.76	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.22	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.88	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.33	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.79	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.48	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	3.90	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.92	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.40	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.26	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.12	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.08	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.73	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.00	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.83	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.05	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.71	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.51	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.20	13	PASS
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Band4	20MHz	16QAM	20300	100RB#0	5.28	13	PASS

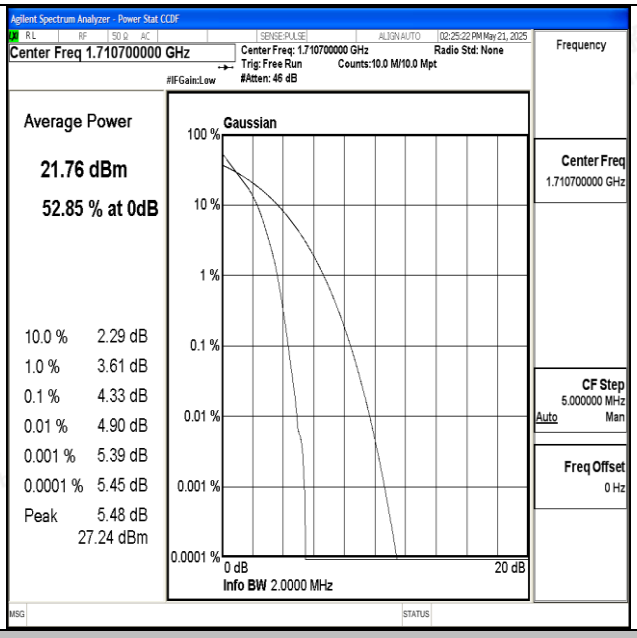
Test Graphs



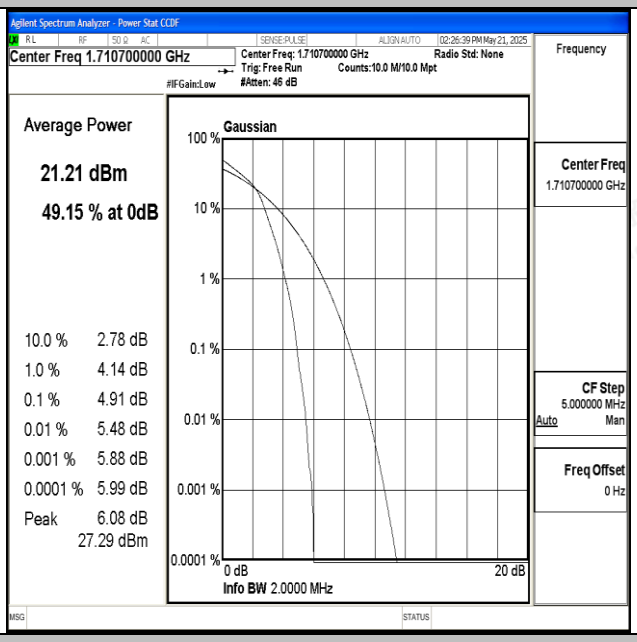
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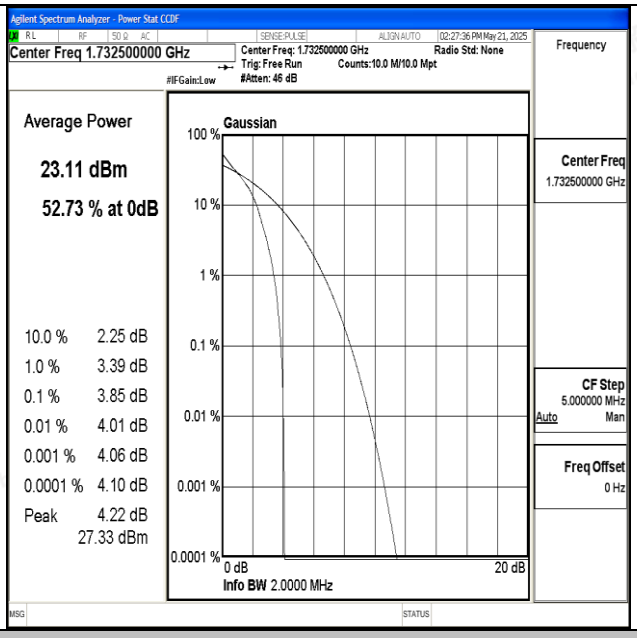
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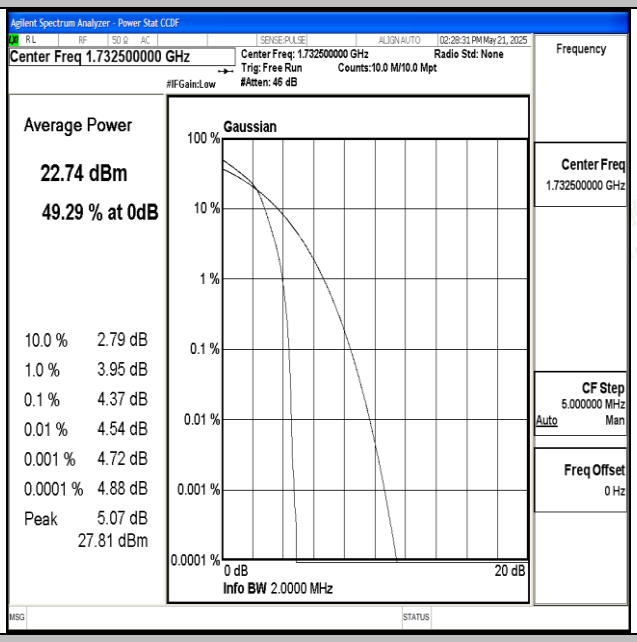
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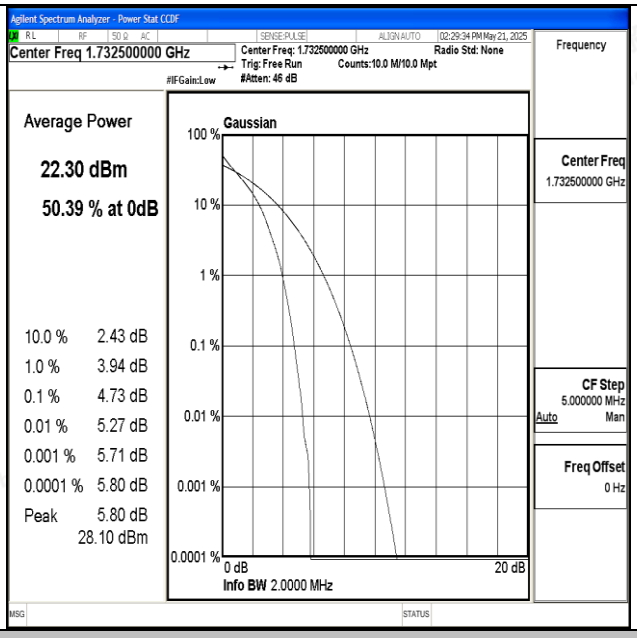
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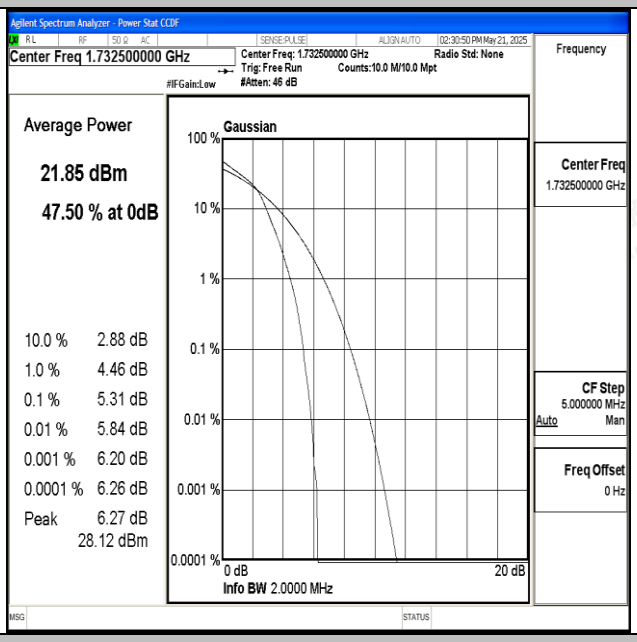
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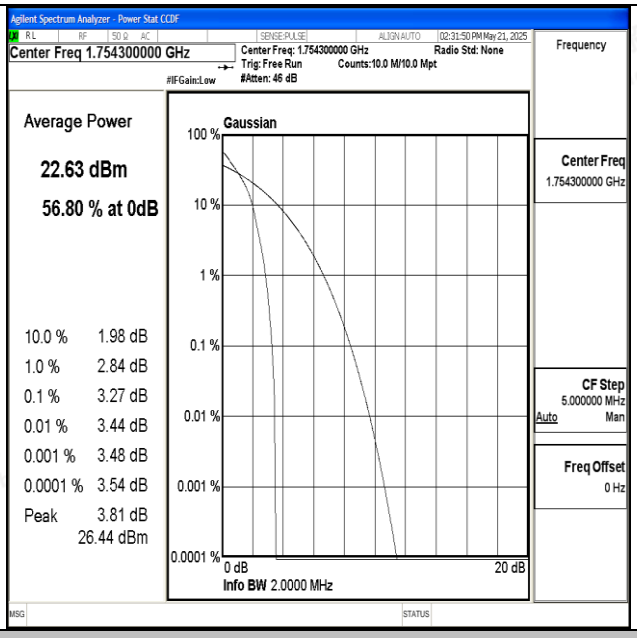
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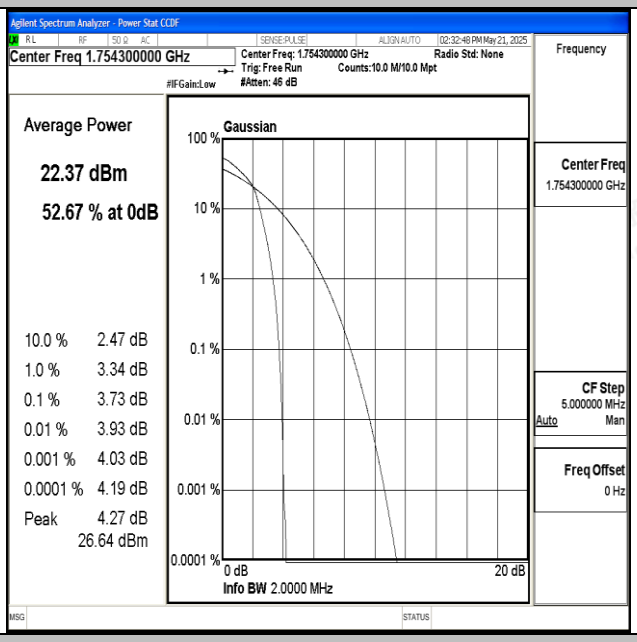
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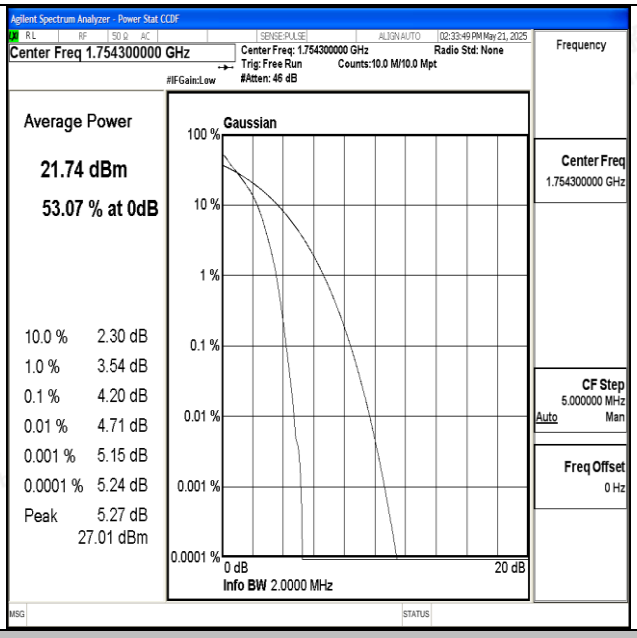
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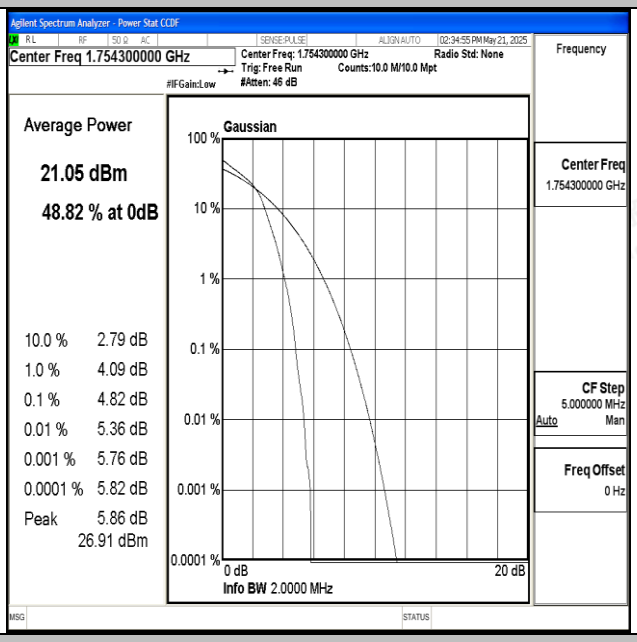
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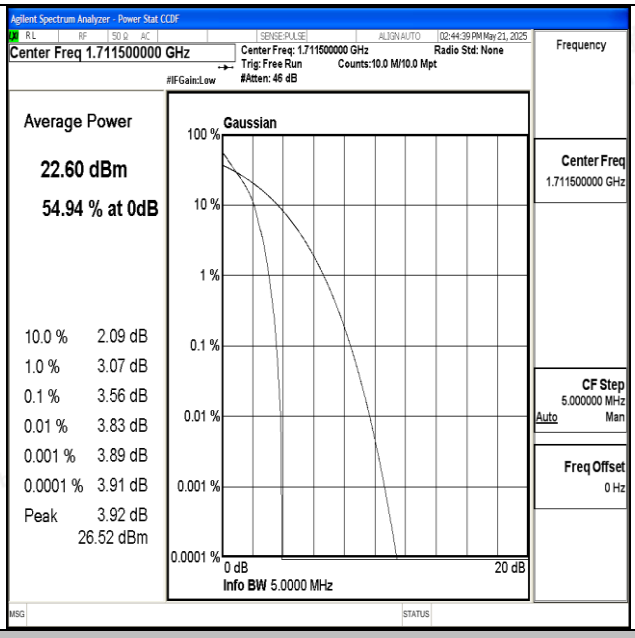
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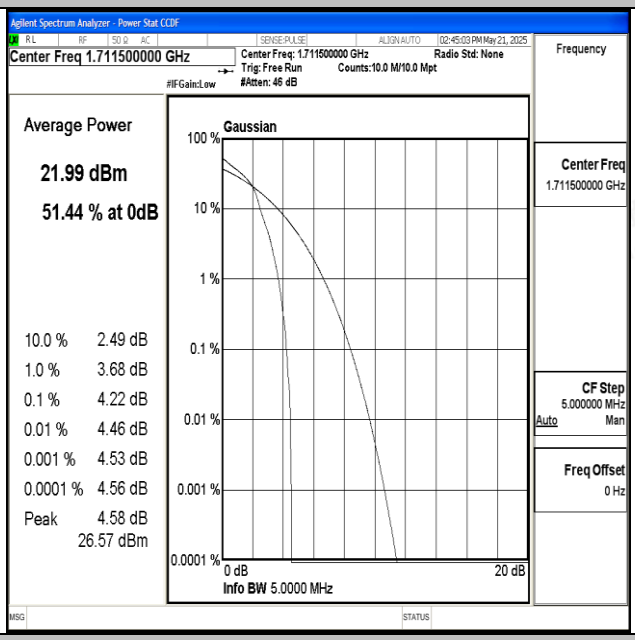
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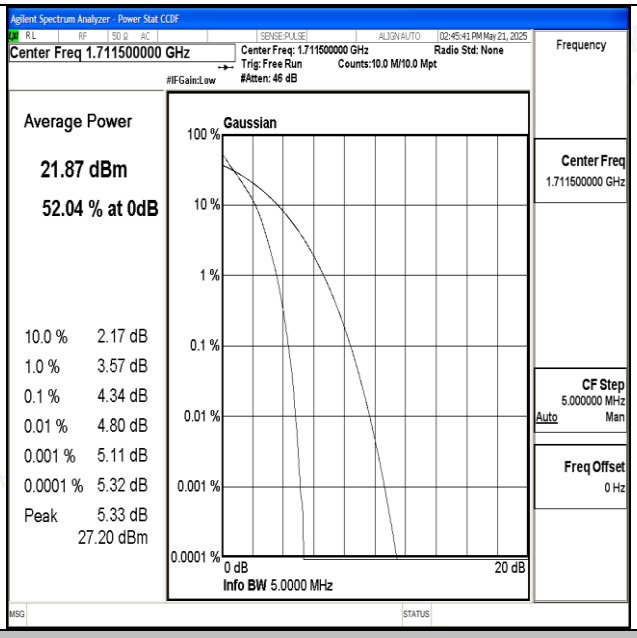
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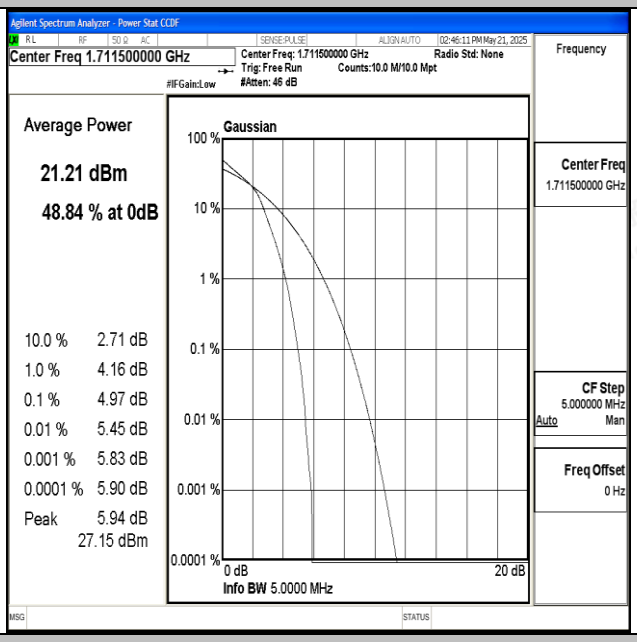
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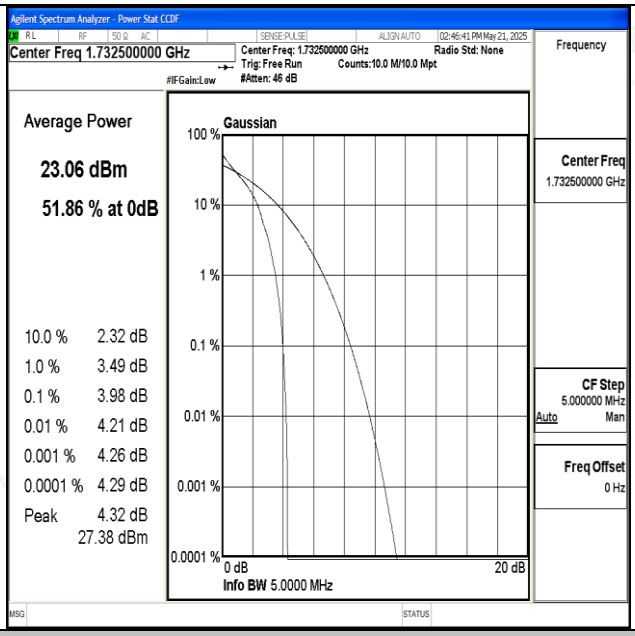
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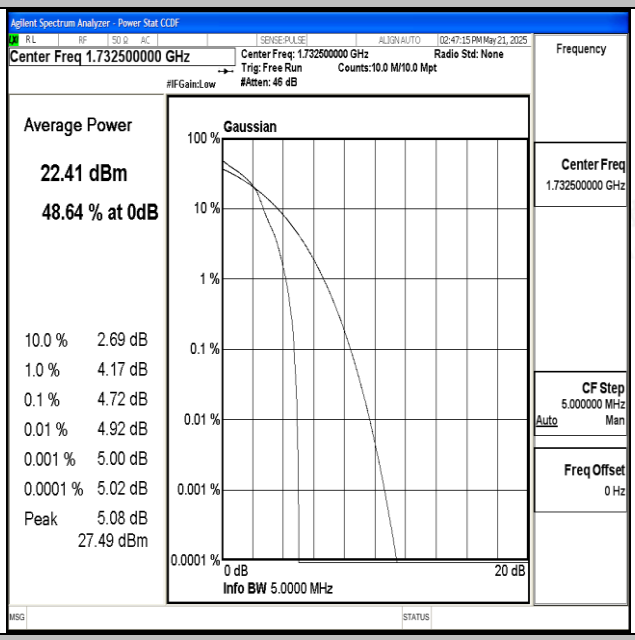
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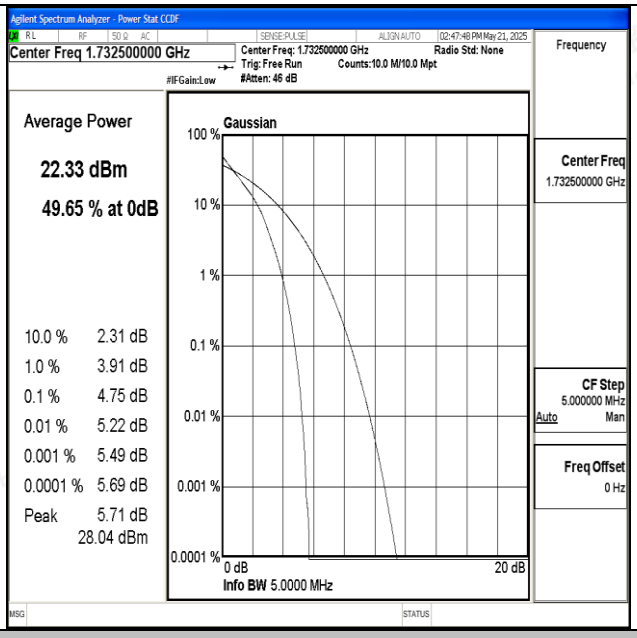
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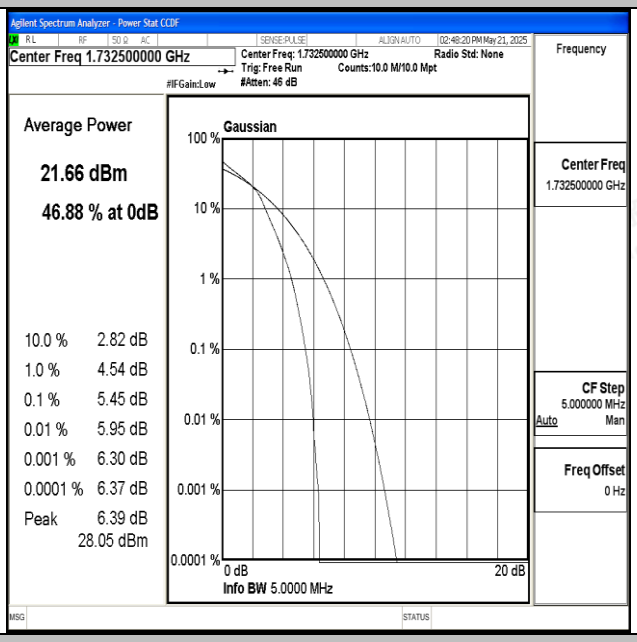
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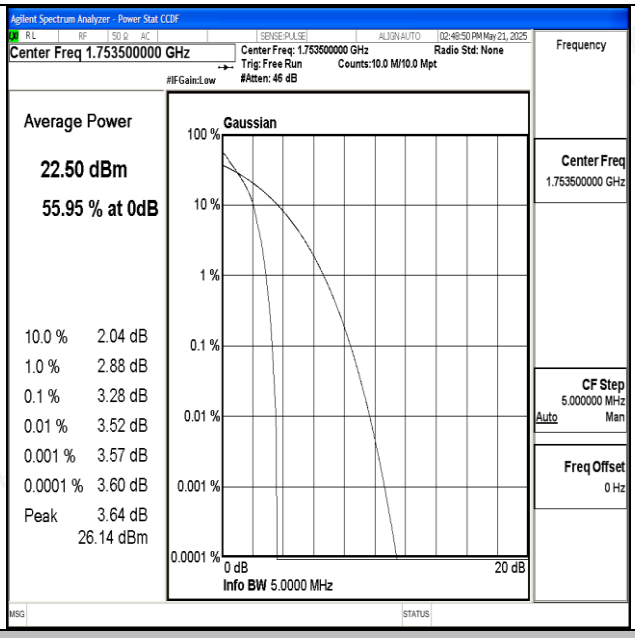
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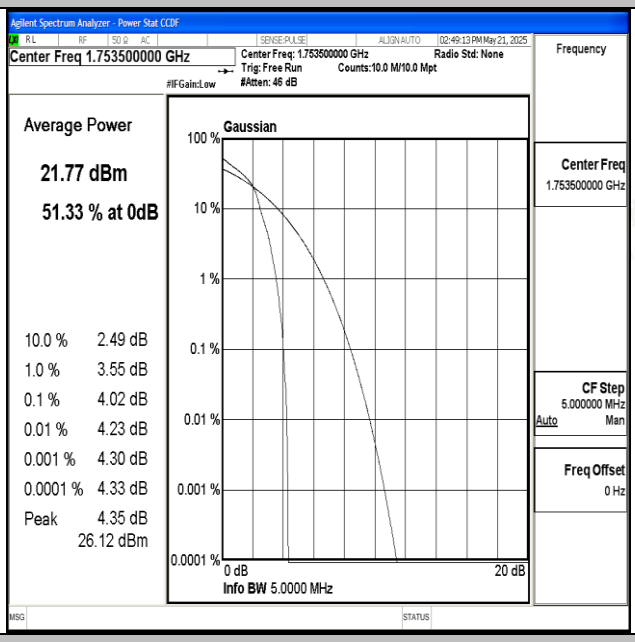
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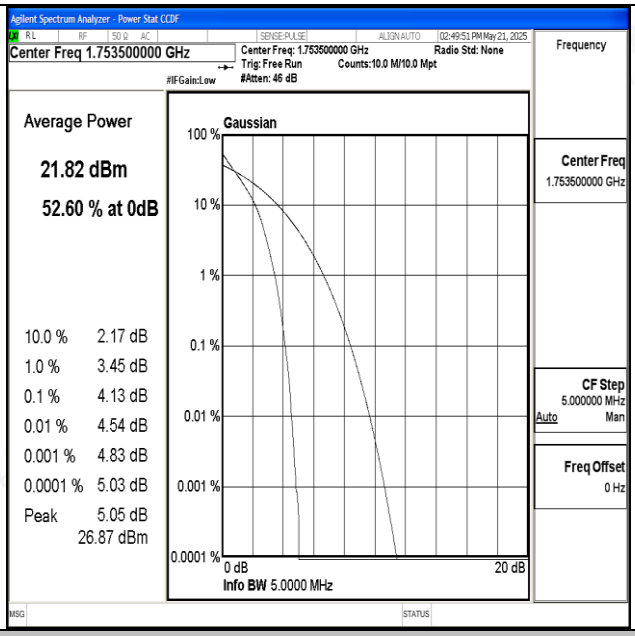
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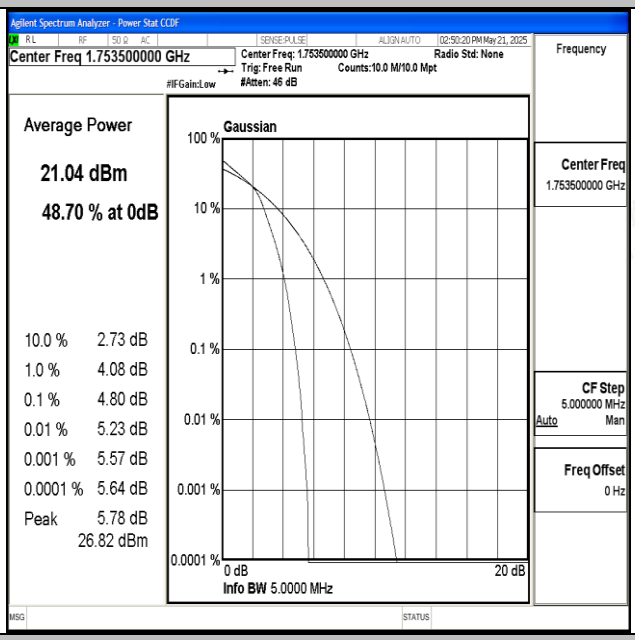
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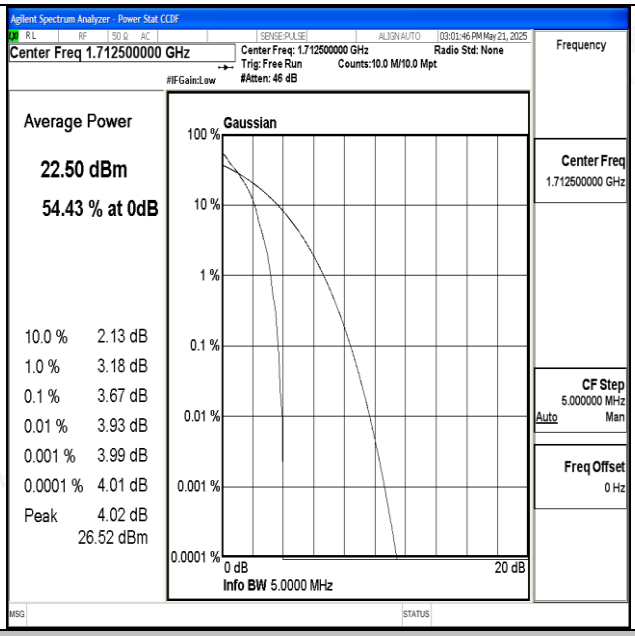
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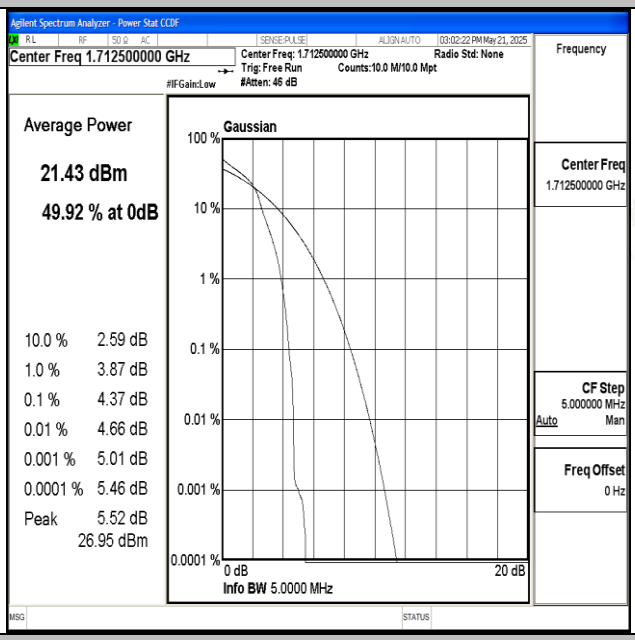
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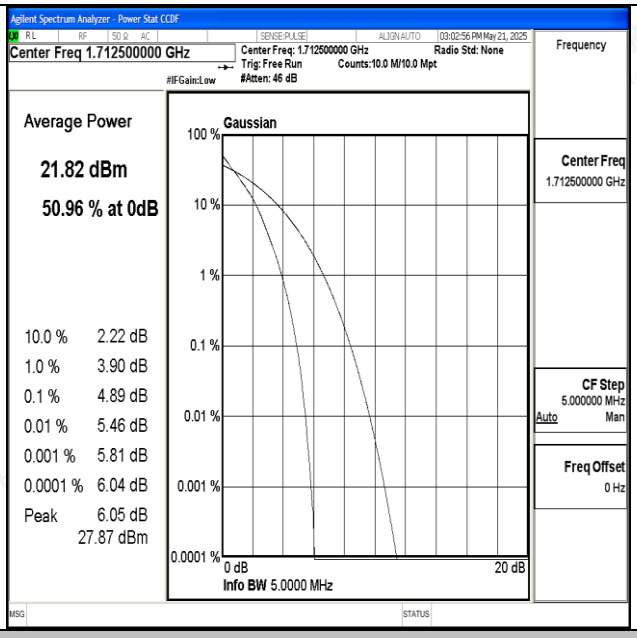
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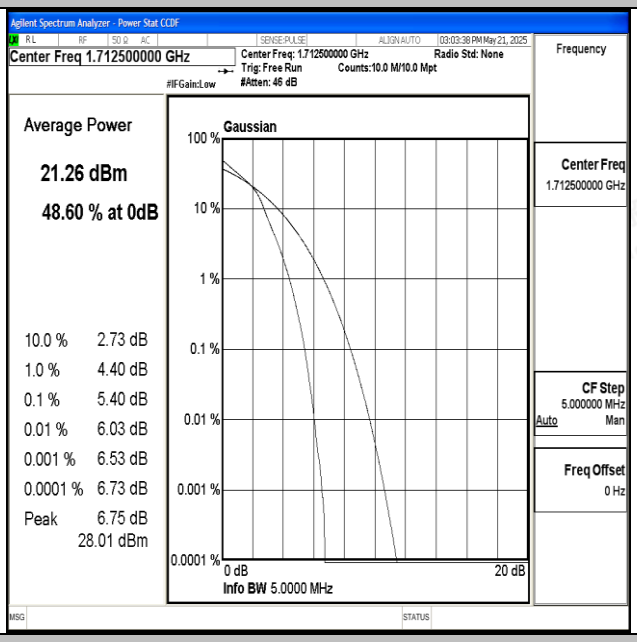
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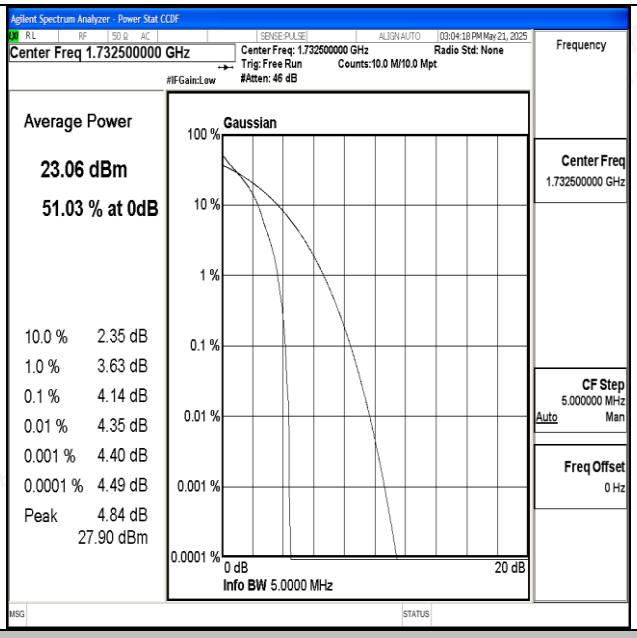
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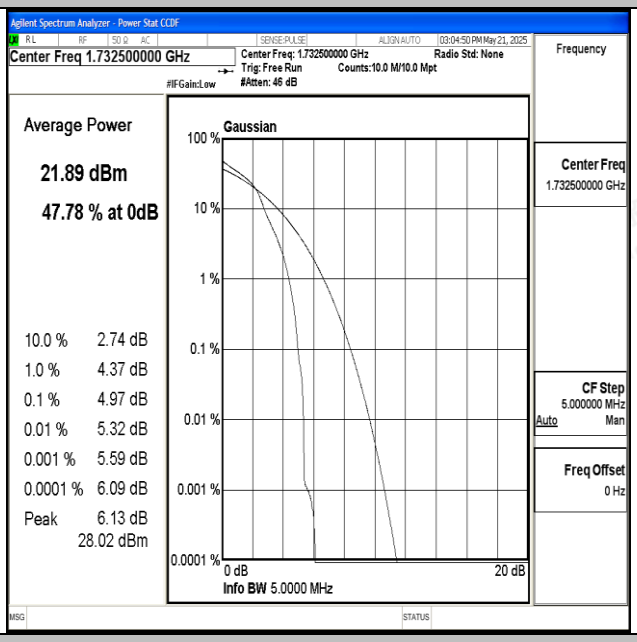
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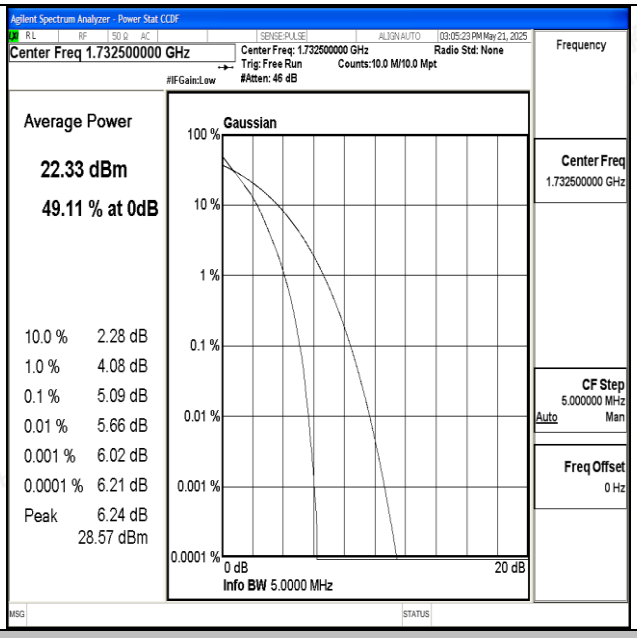
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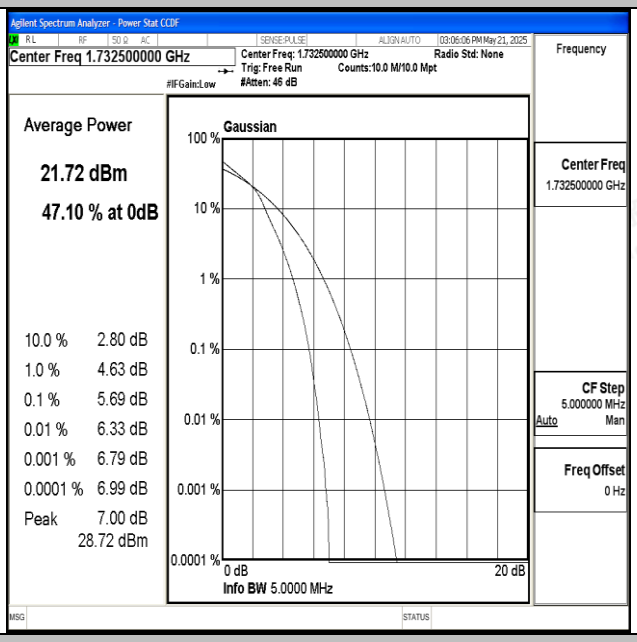
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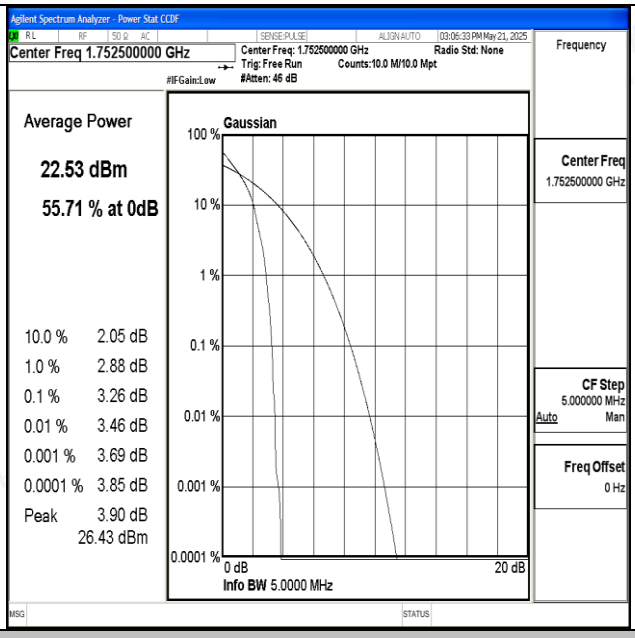
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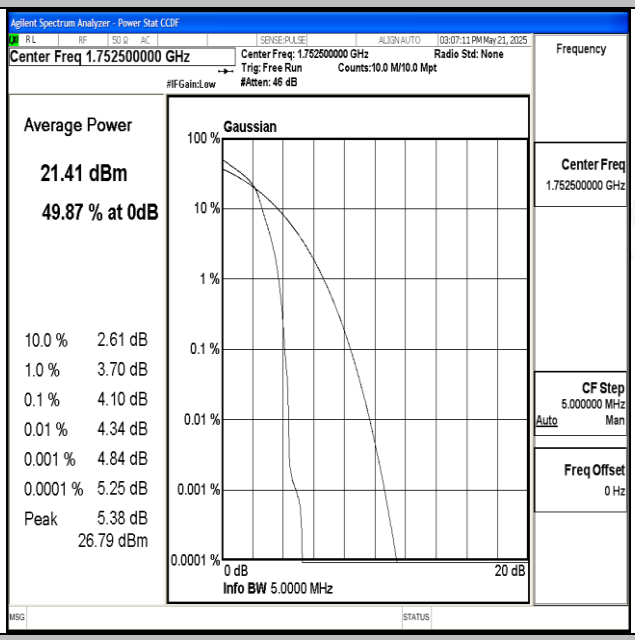
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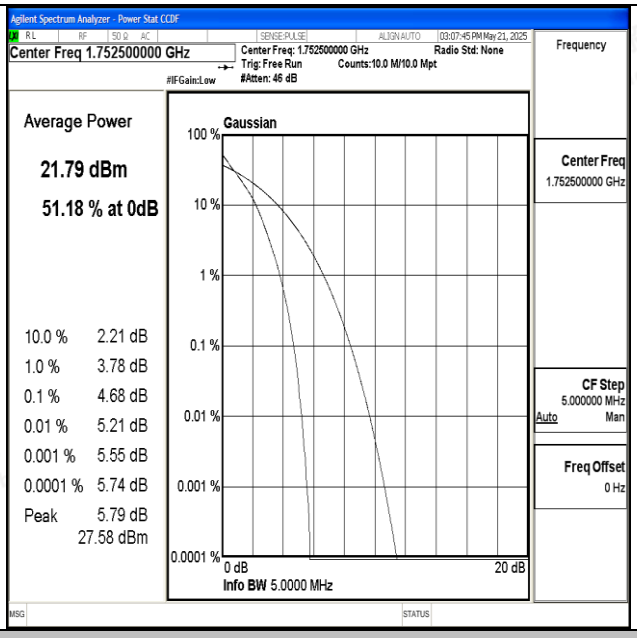
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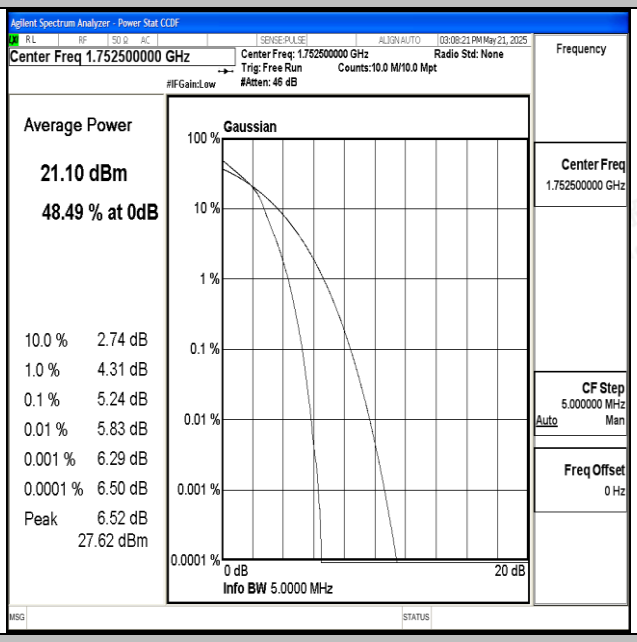
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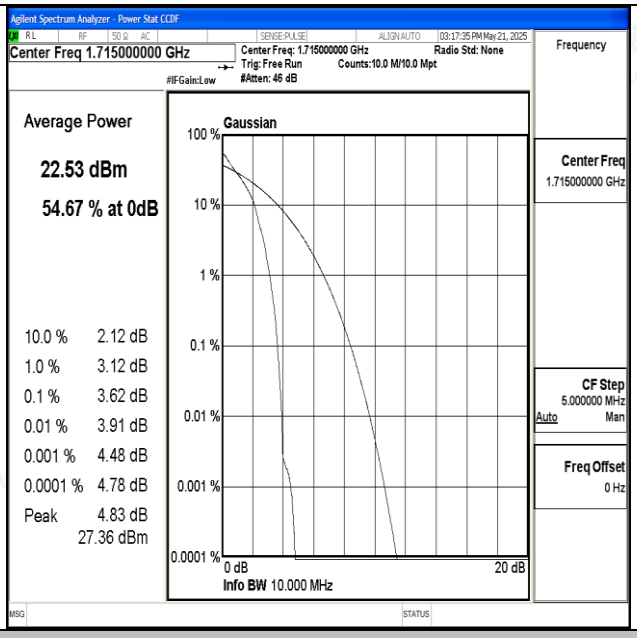
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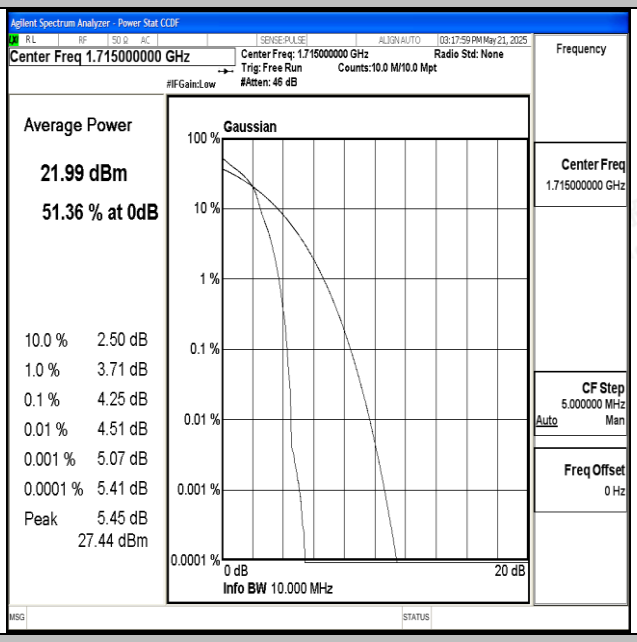
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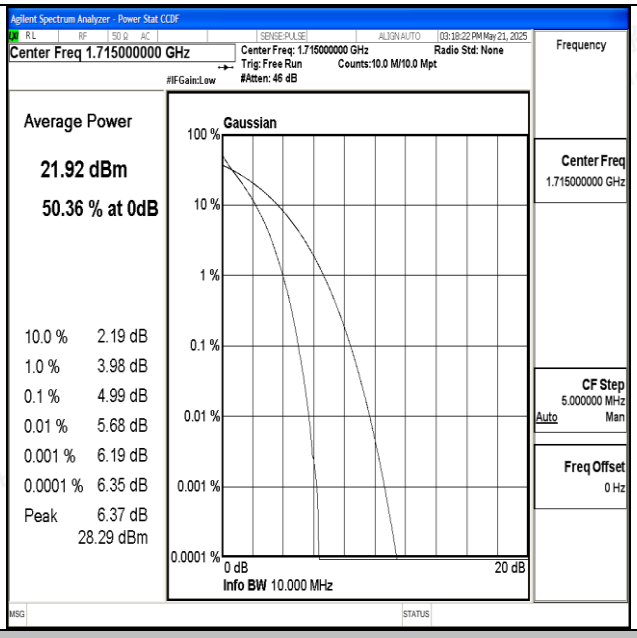
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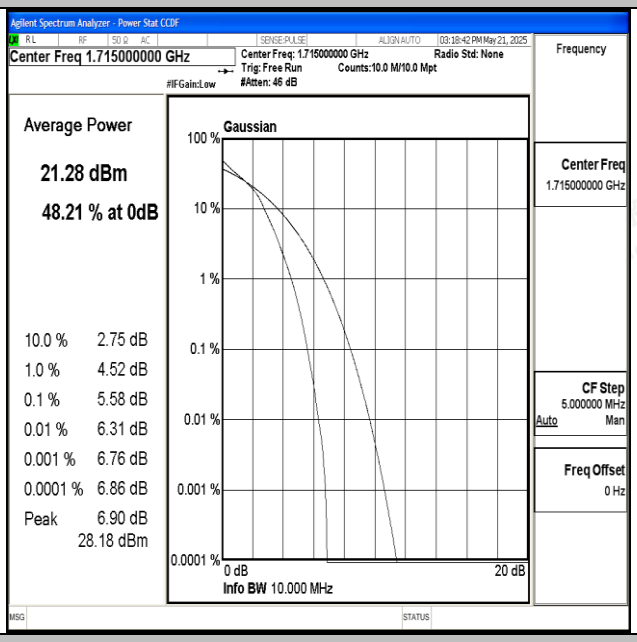
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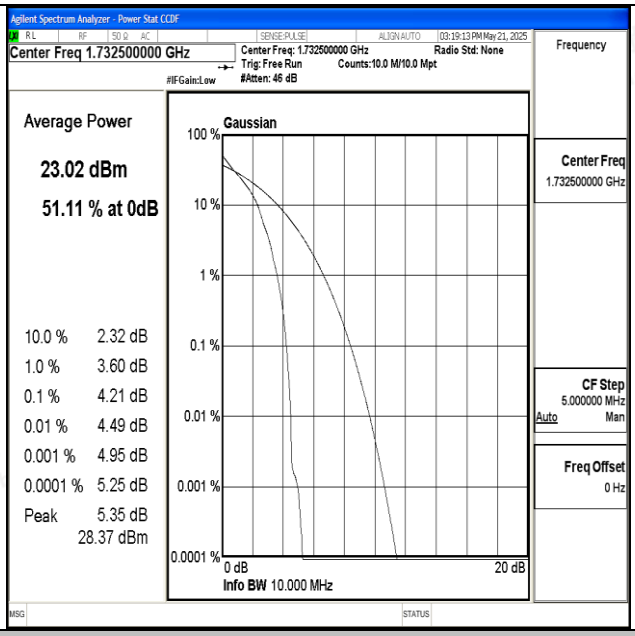
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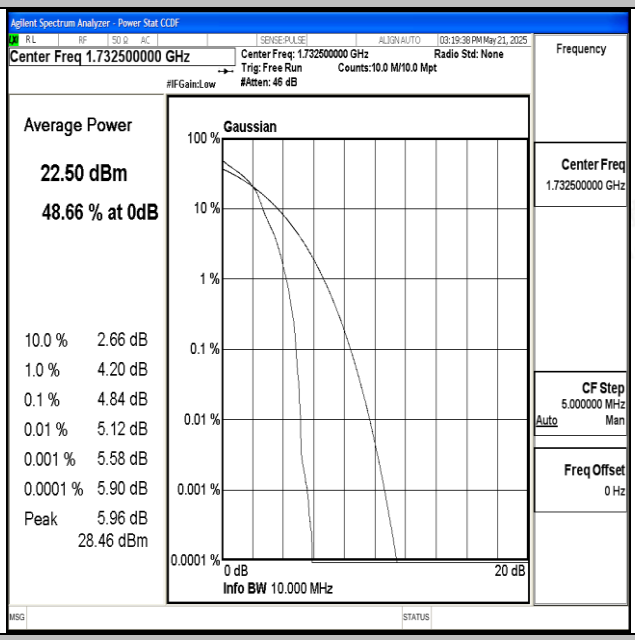
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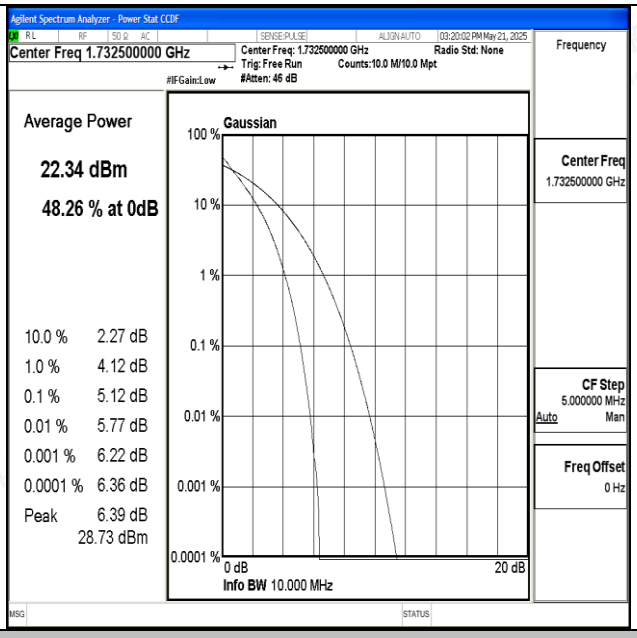
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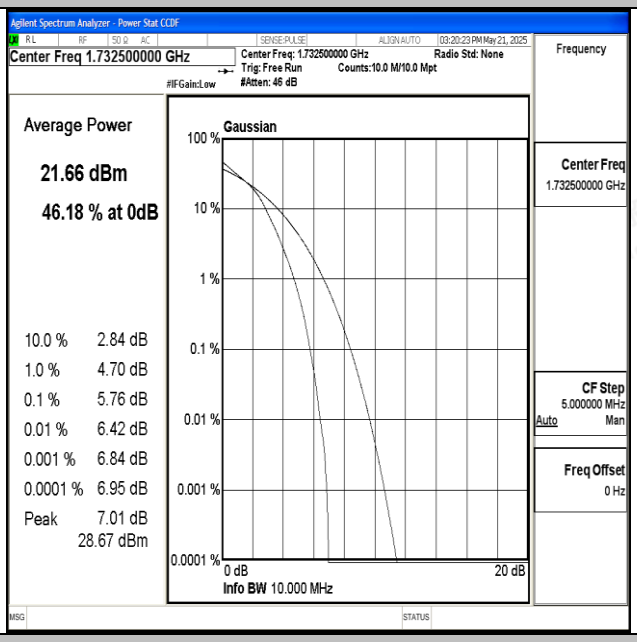
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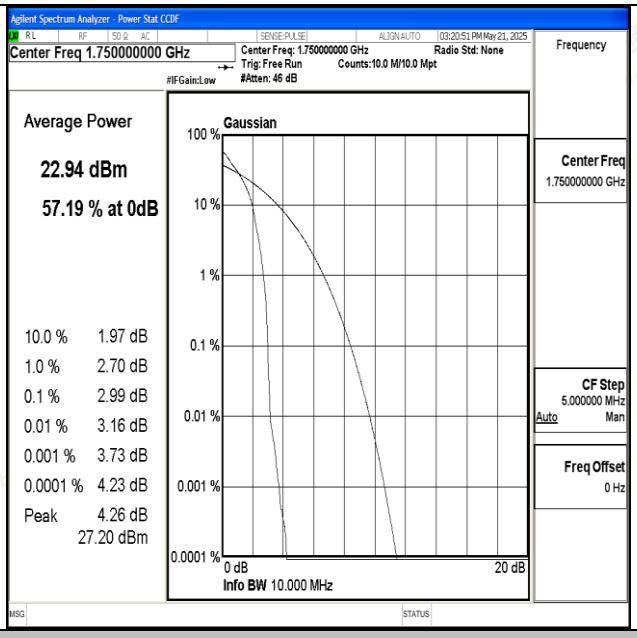
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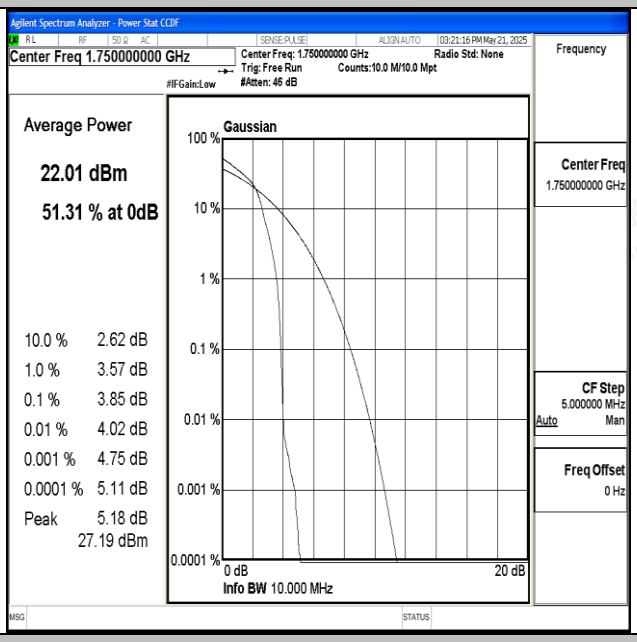
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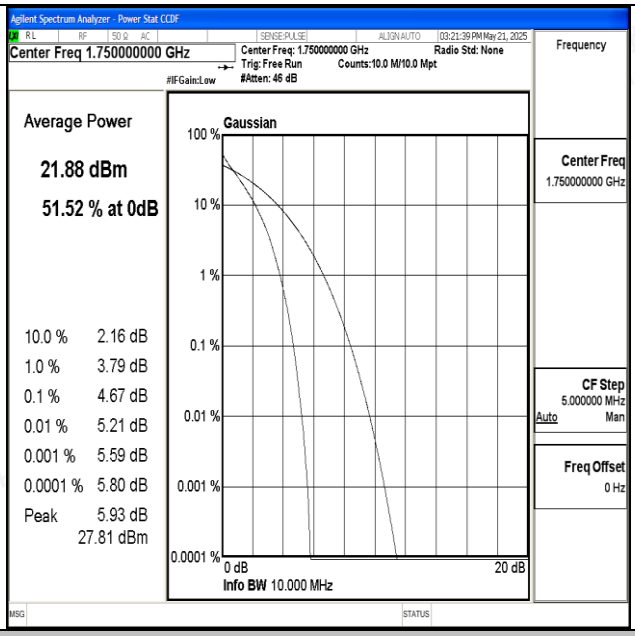
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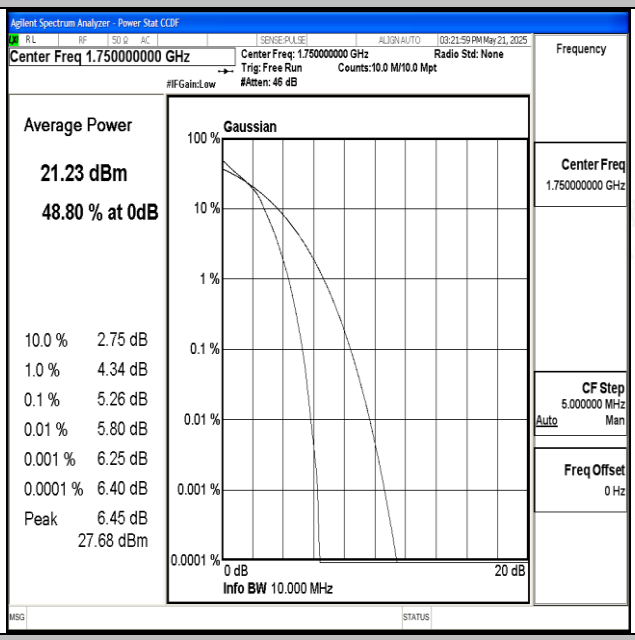
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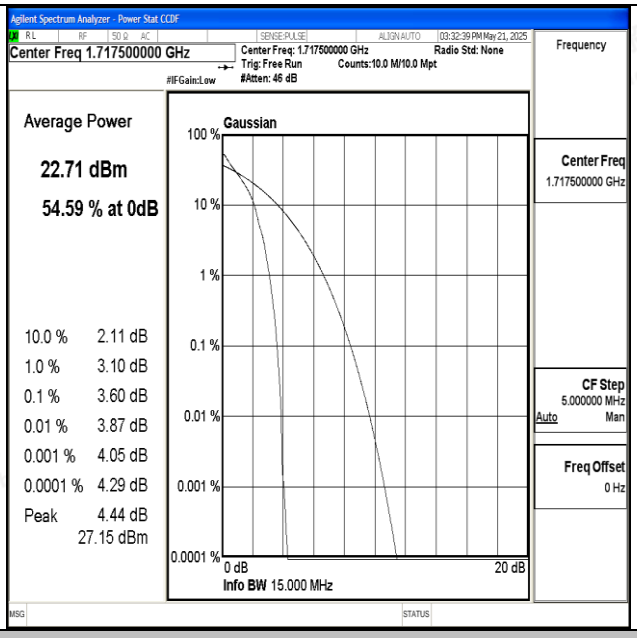
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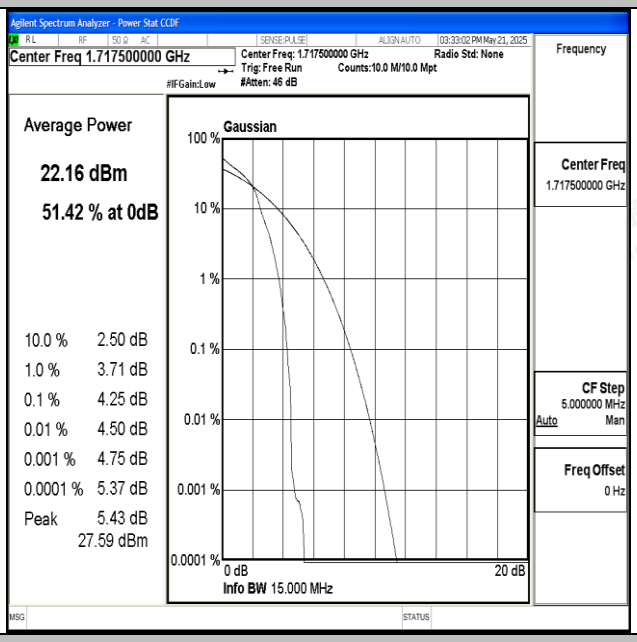
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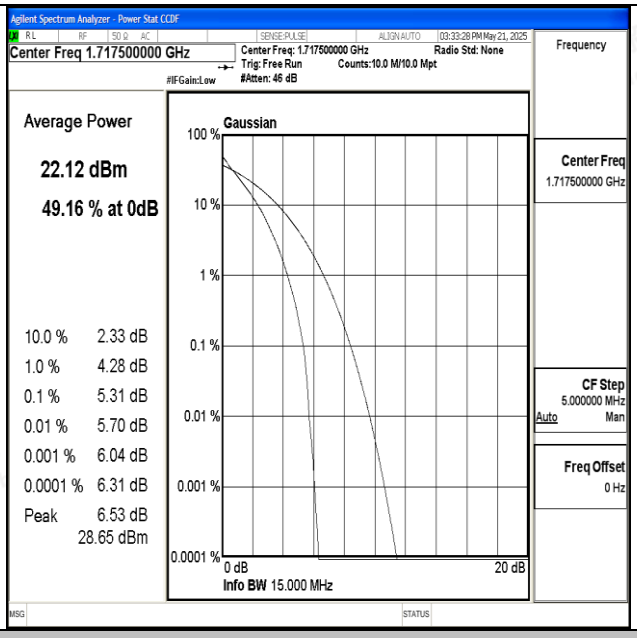
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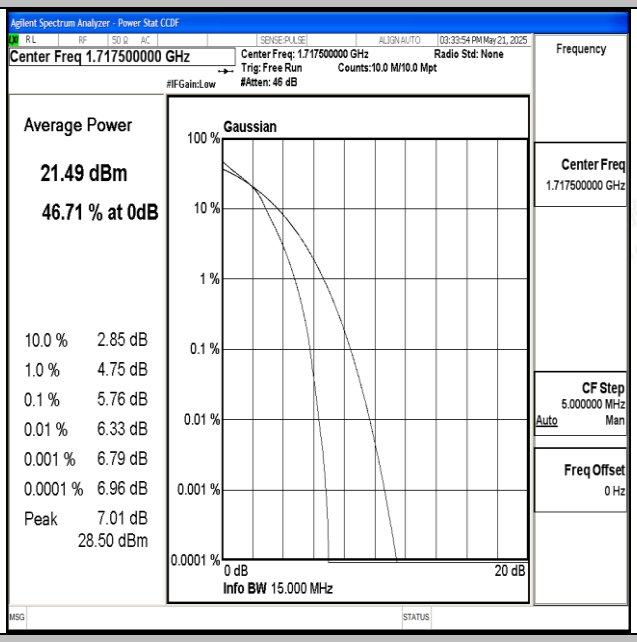
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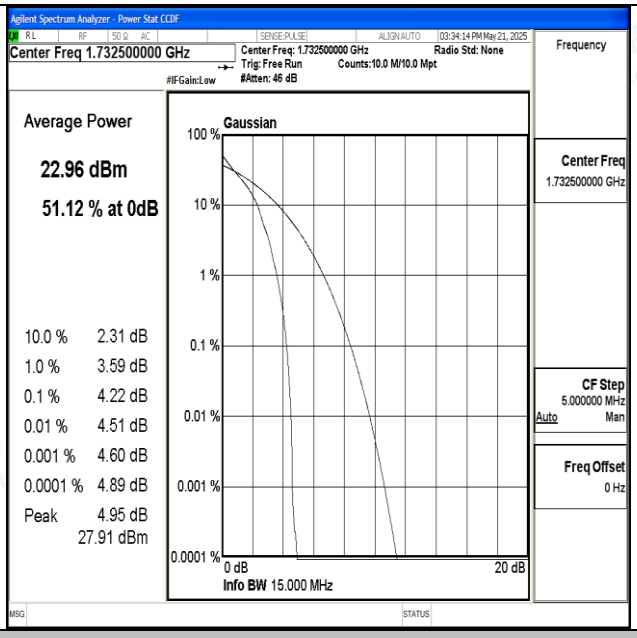
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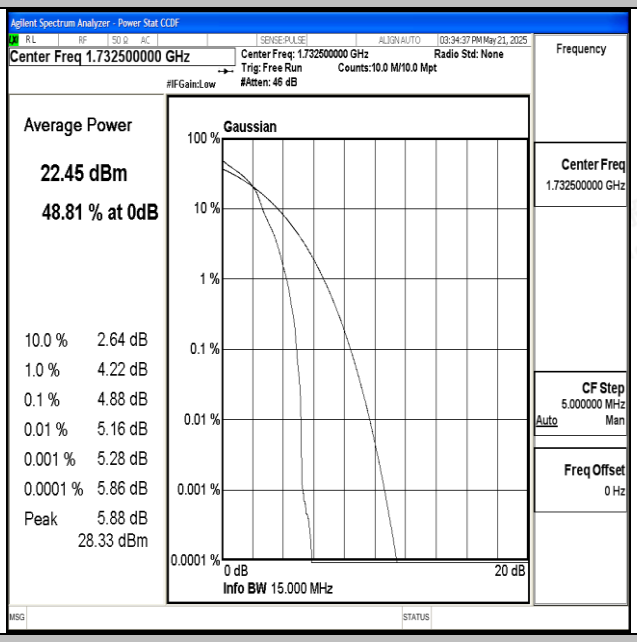
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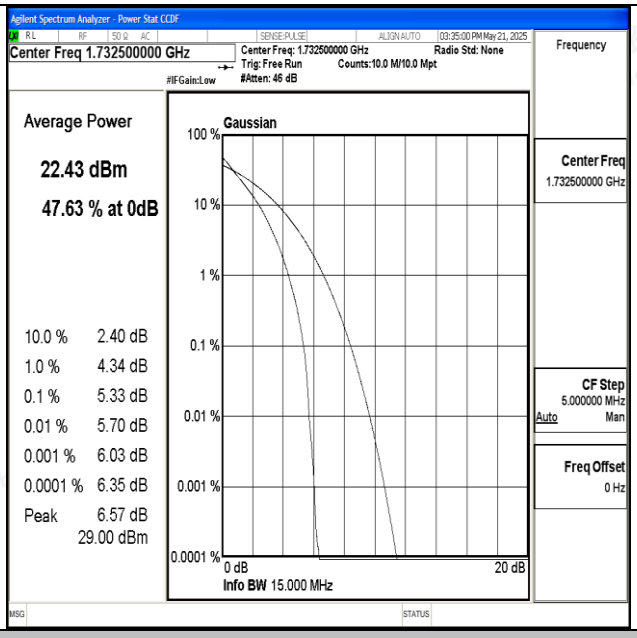
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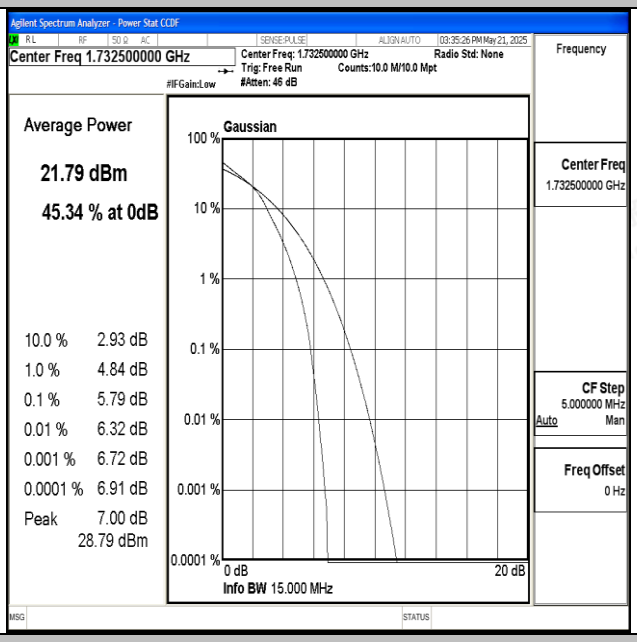
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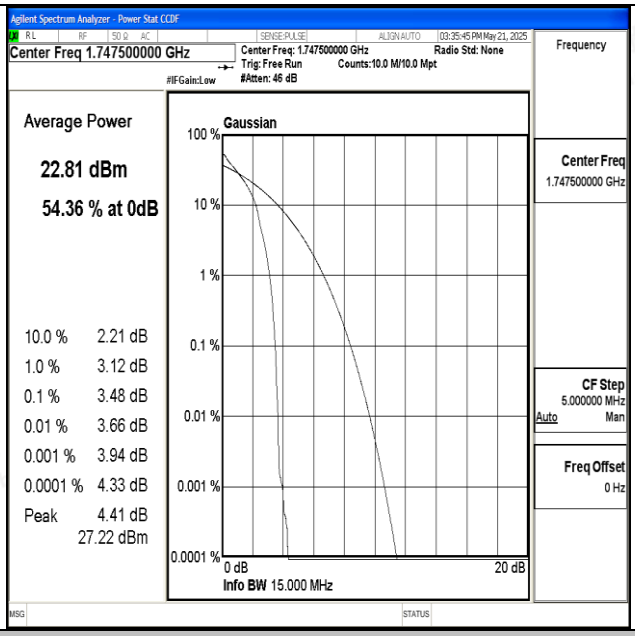
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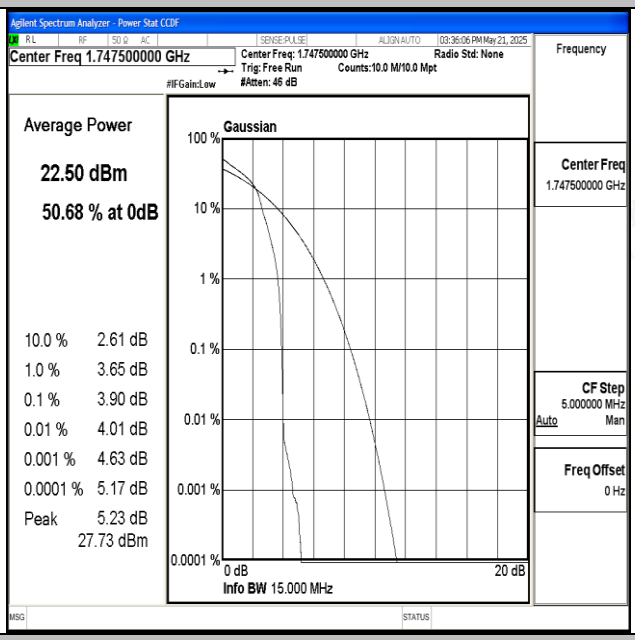
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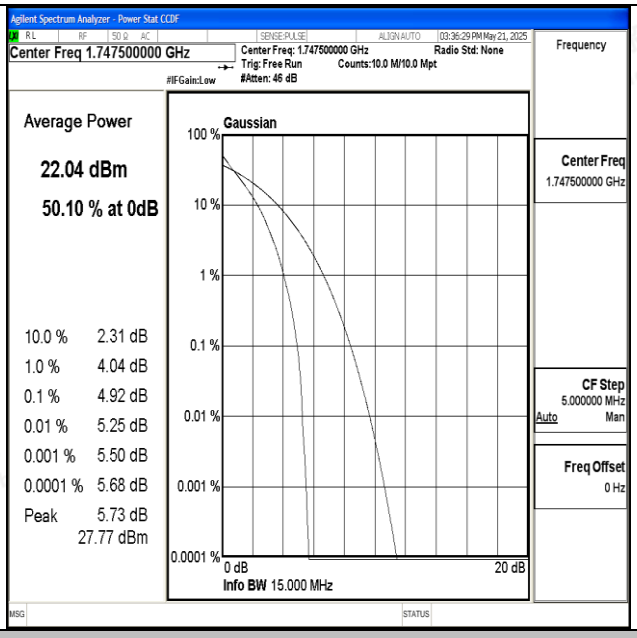
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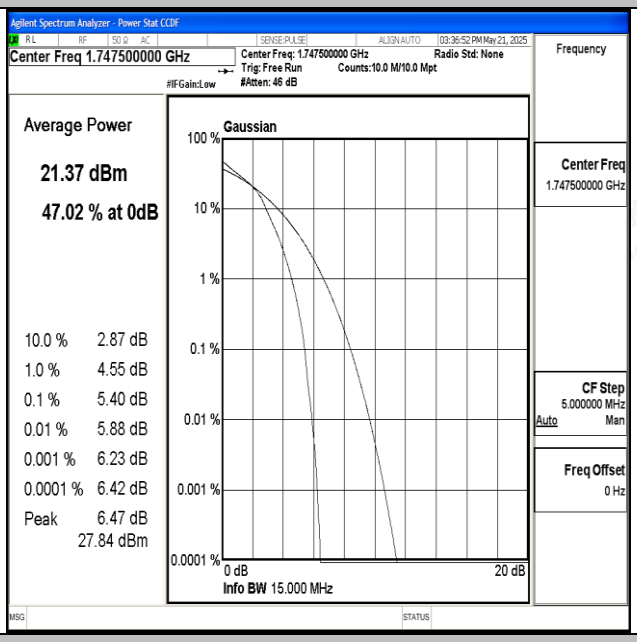
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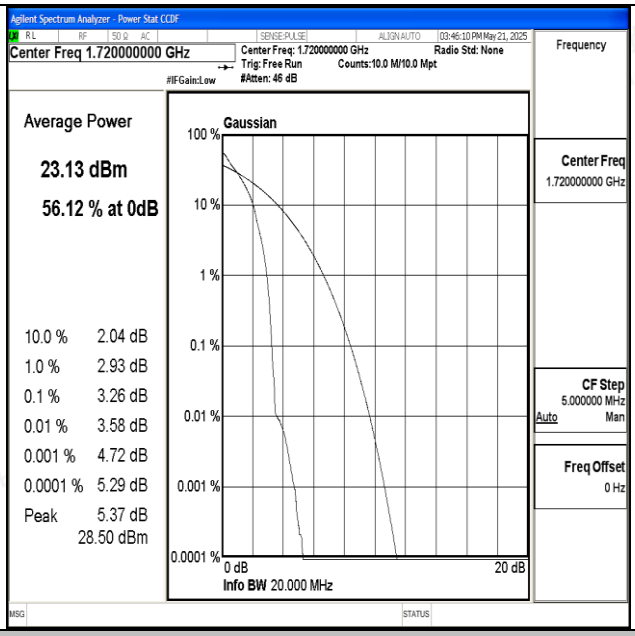
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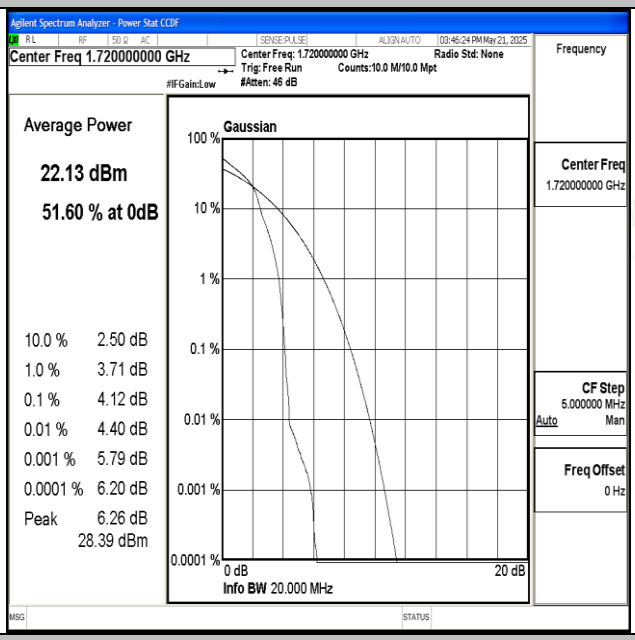
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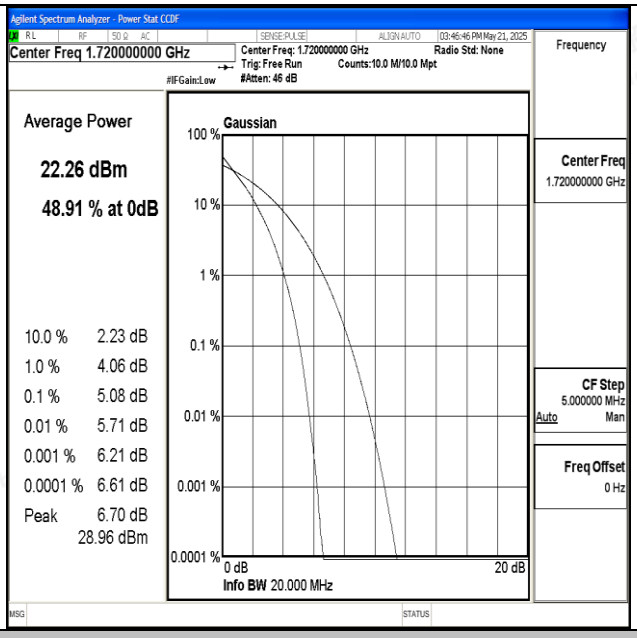
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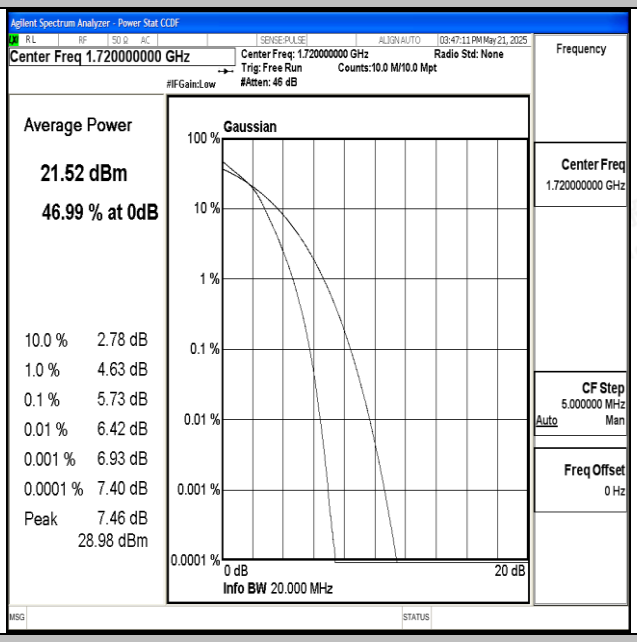
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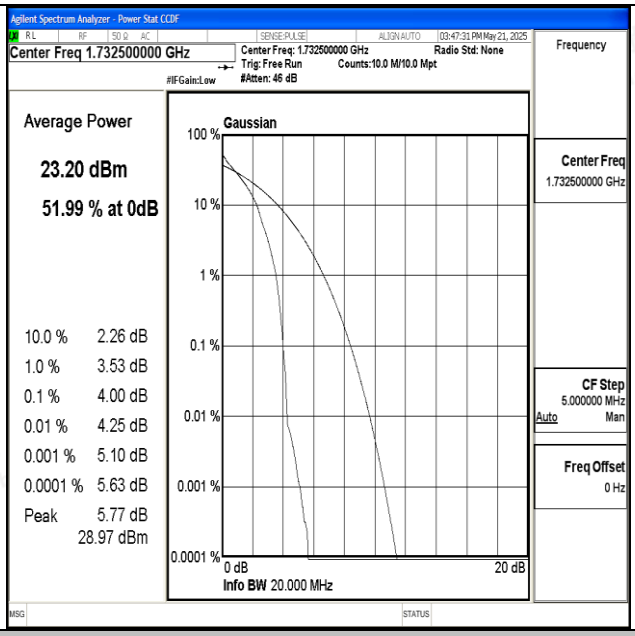
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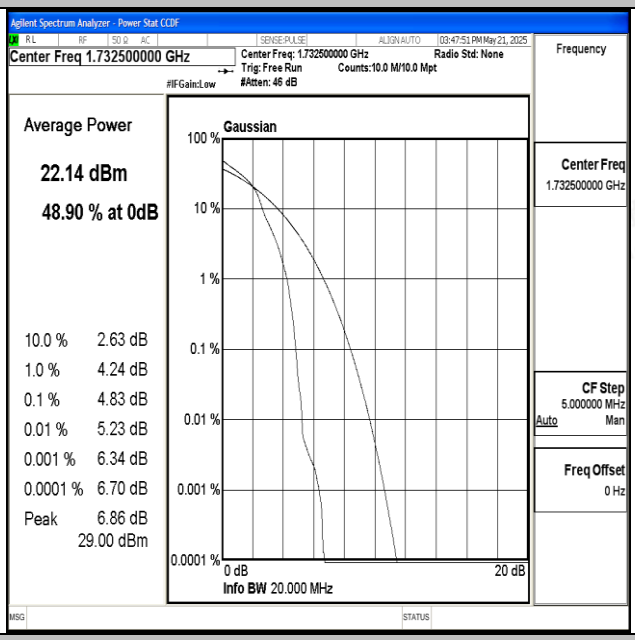
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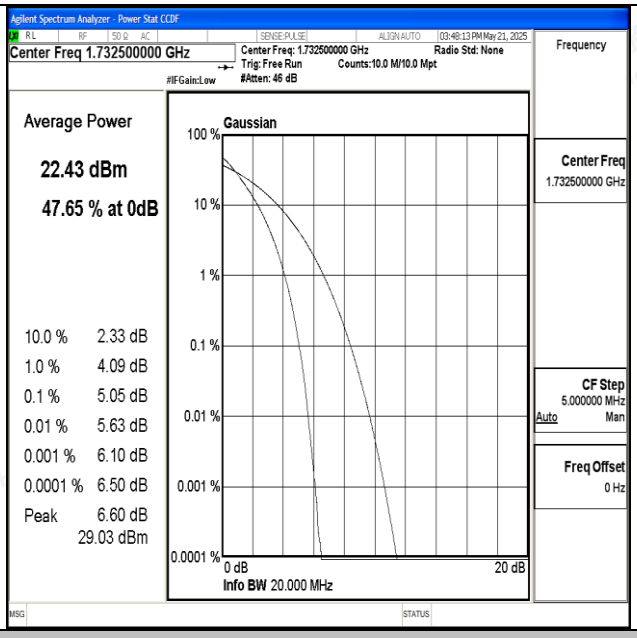
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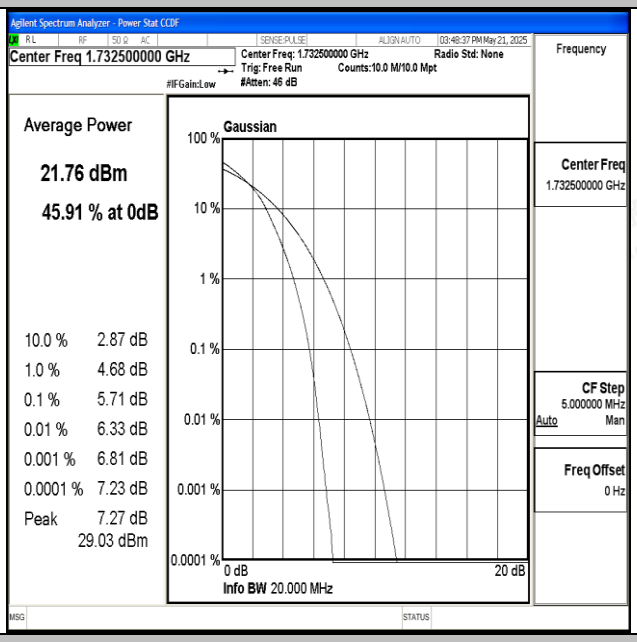
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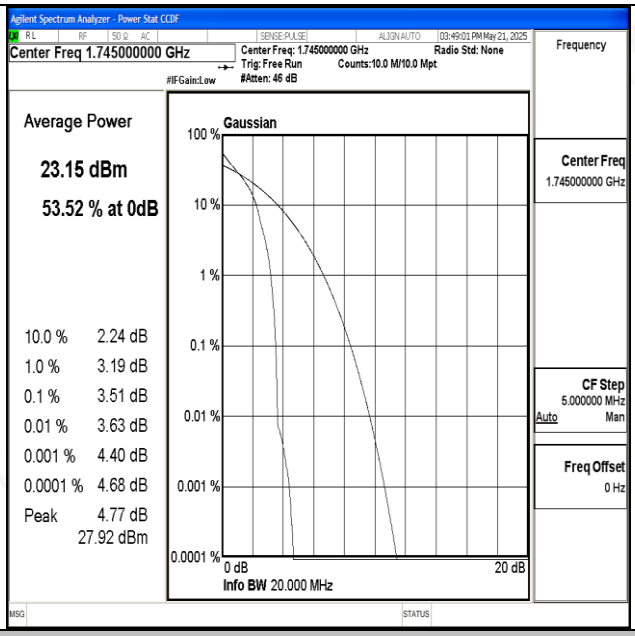
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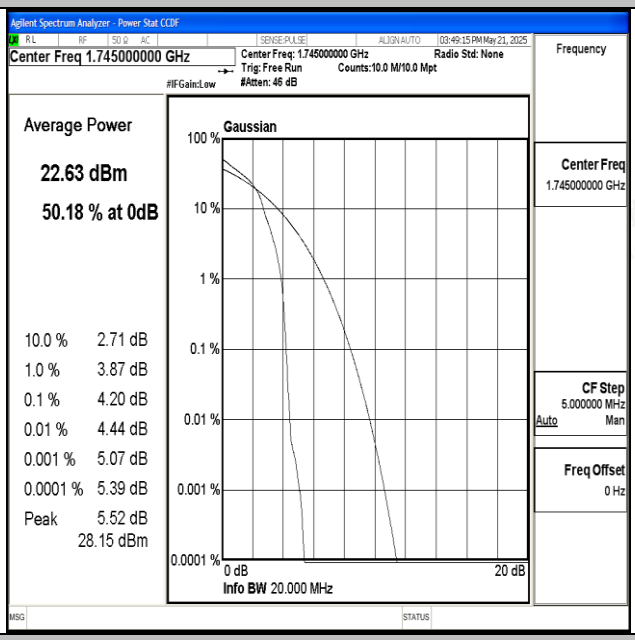
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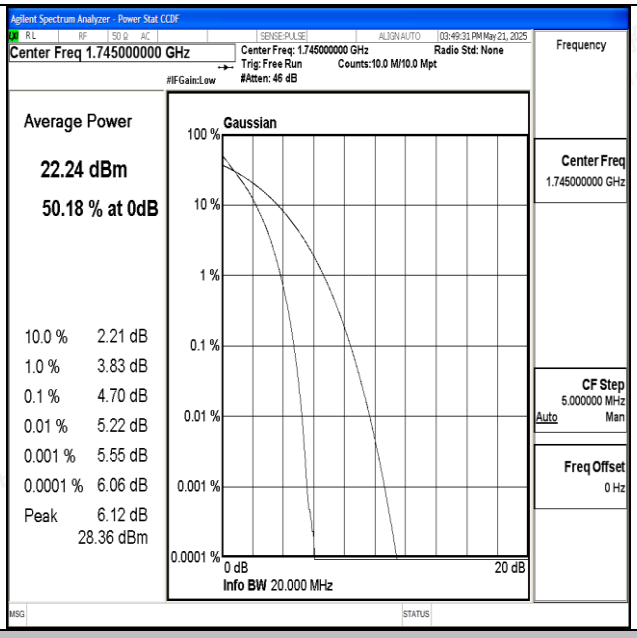
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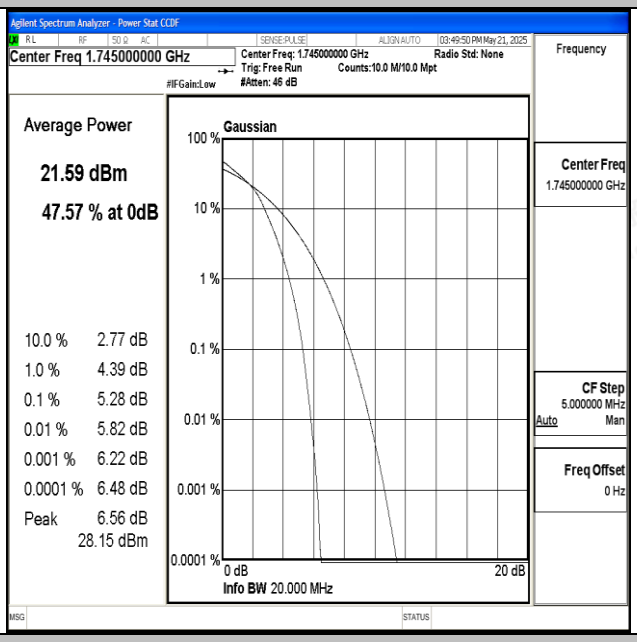
Band4-20MHz-QPSK-20300-1RB#0-PASS



Band4-20MHz-16QAM-20300-1RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20300-100RB#0-PASS

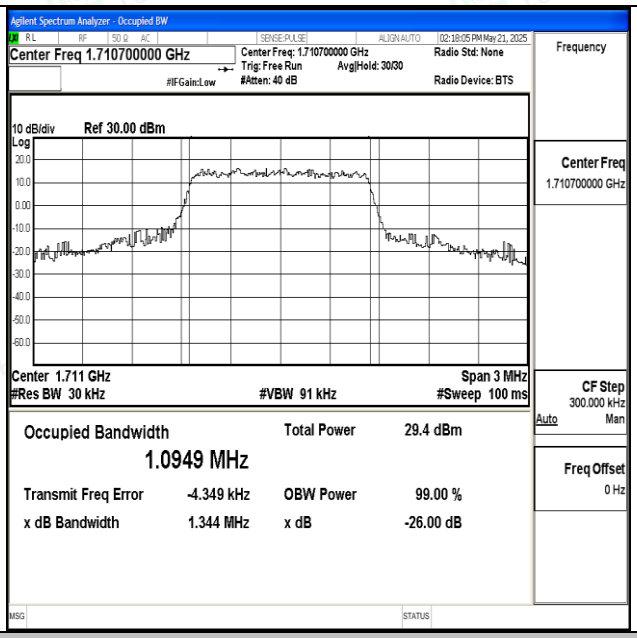
C.3 26dB Bandwidth and Occupied Bandwidth for LTE

Test Result

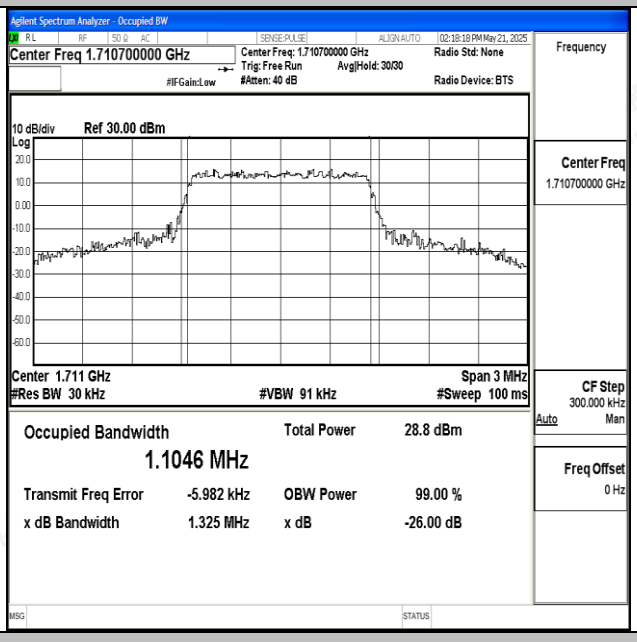
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0949	1.344	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1046	1.325	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0926	1.384	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1046	1.366	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0982	1.471	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1092	1.472	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7741	3.441	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7577	3.381	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7721	3.462	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7557	3.291	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7755	3.674	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7756	3.362	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5340	5.437	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5236	5.338	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5231	5.322	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5367	5.513	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5278	5.380	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5274	5.411	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0137	9.993	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0259	10.40	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9894	10.01	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0022	9.961	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0178	10.37	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0228	10.94	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.519	15.63	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.493	15.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.533	15.13	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.533	15.13	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.529	15.92	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.510	15.26	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.029	19.86	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.022	20.03	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.035	19.94	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.043	20.09	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.033	20.58	PASS

Band4	20MHz	16QAM	20300	100RB#0	17.999	20.18	PASS

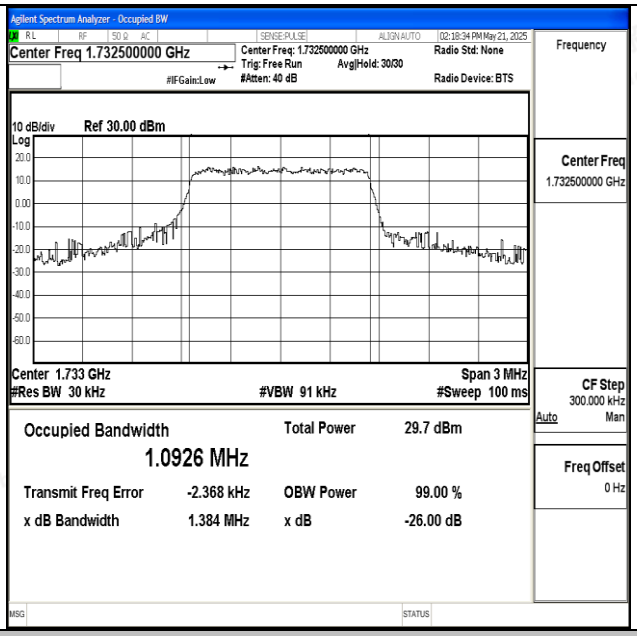
Test Graphs



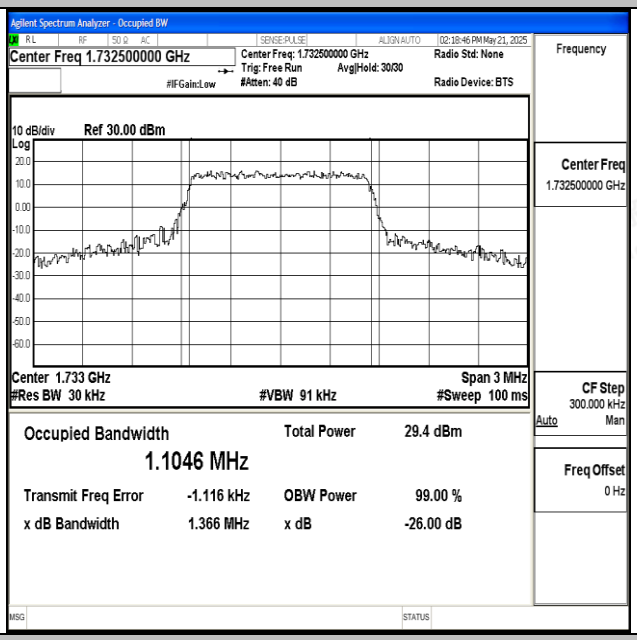
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



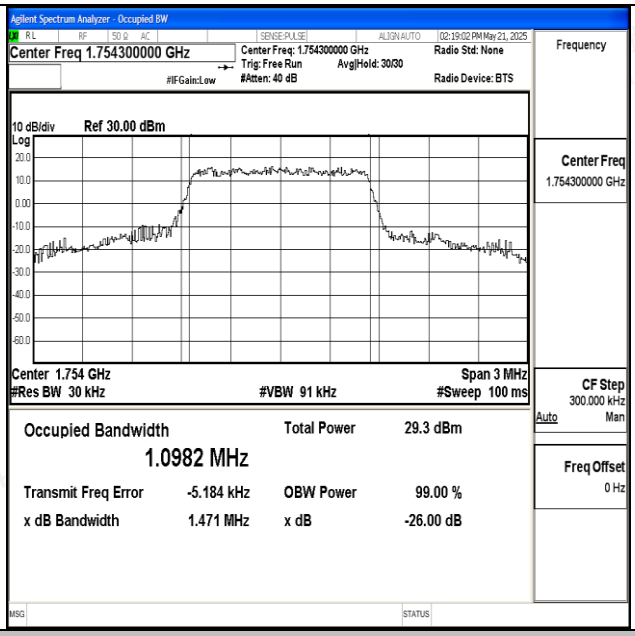
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



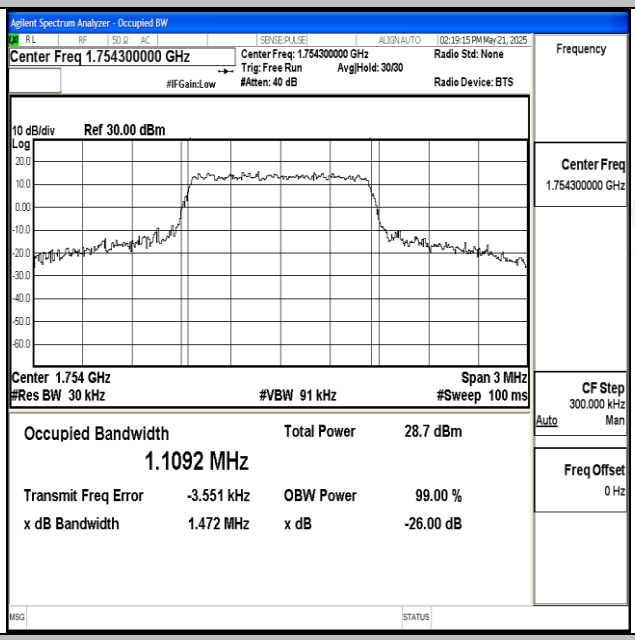
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



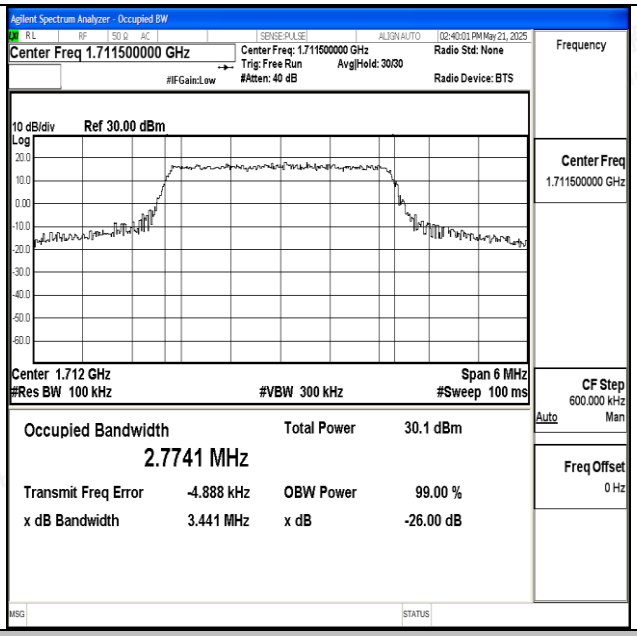
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



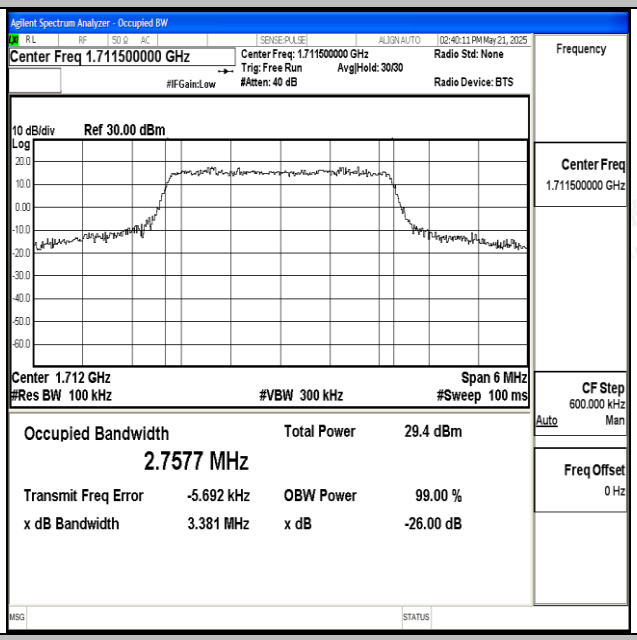
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



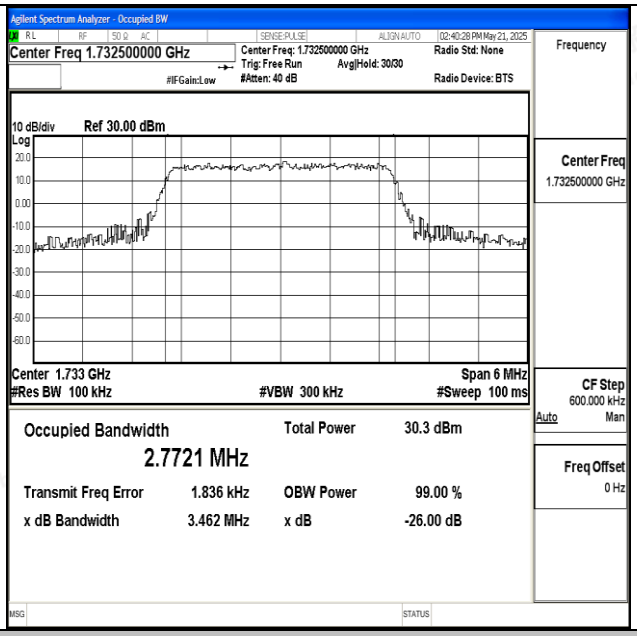
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



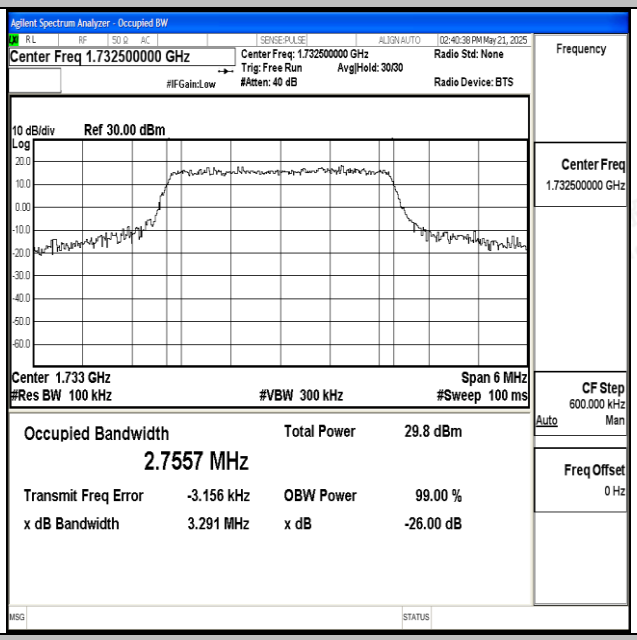
Band4-3MHz-QPSK-19965-15RB#0-PASS



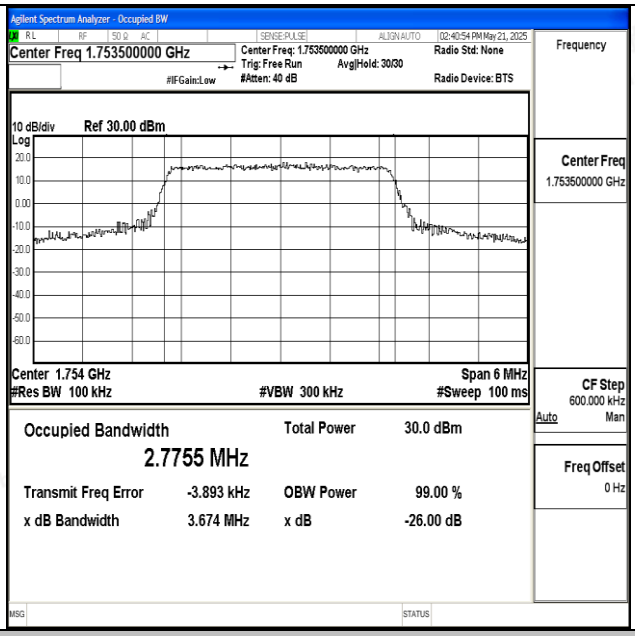
Band4-3MHz-16QAM-19965-15RB#0-PASS



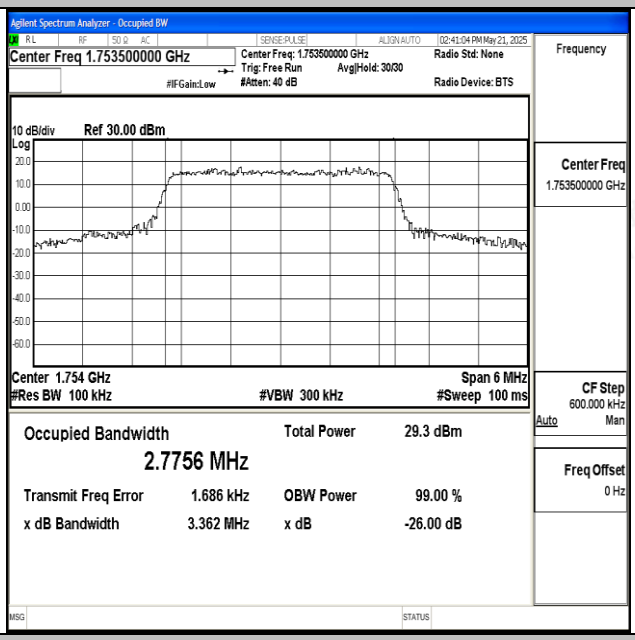
Band4-3MHz-QPSK-20175-15RB#0-PASS



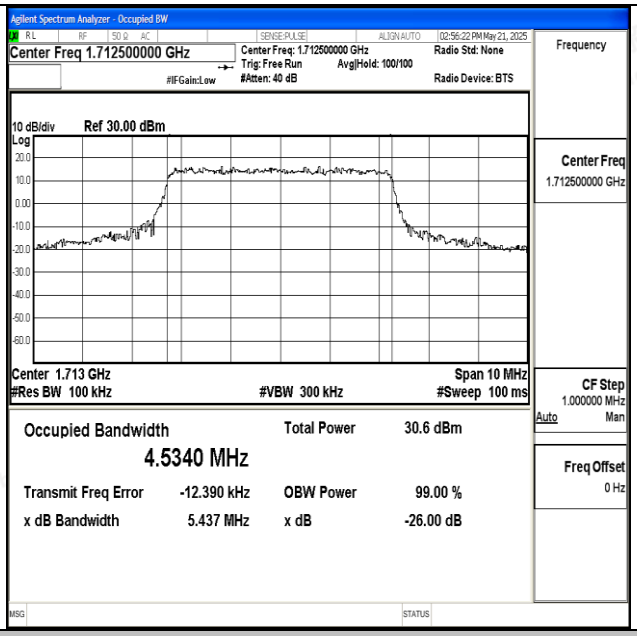
Band4-3MHz-16QAM-20175-15RB#0-PASS



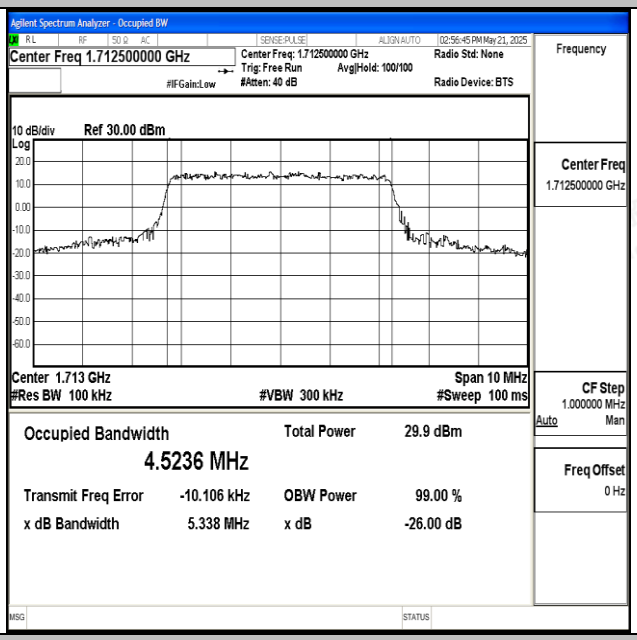
Band4-3MHz-QPSK-20385-15RB#0-PASS



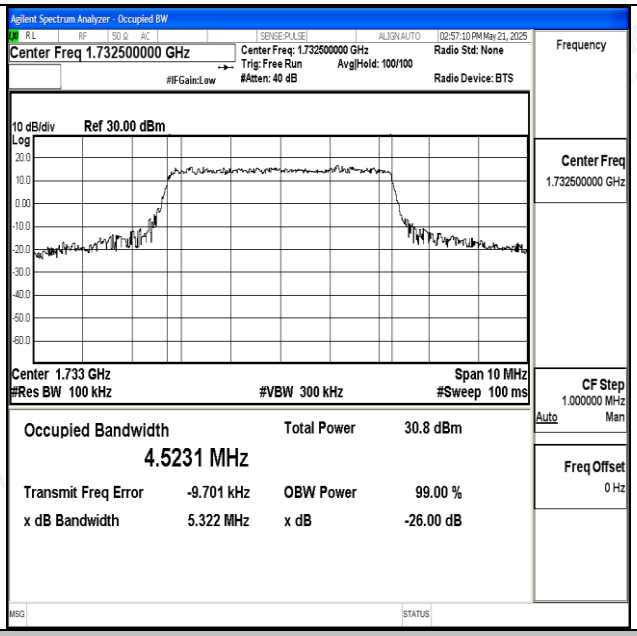
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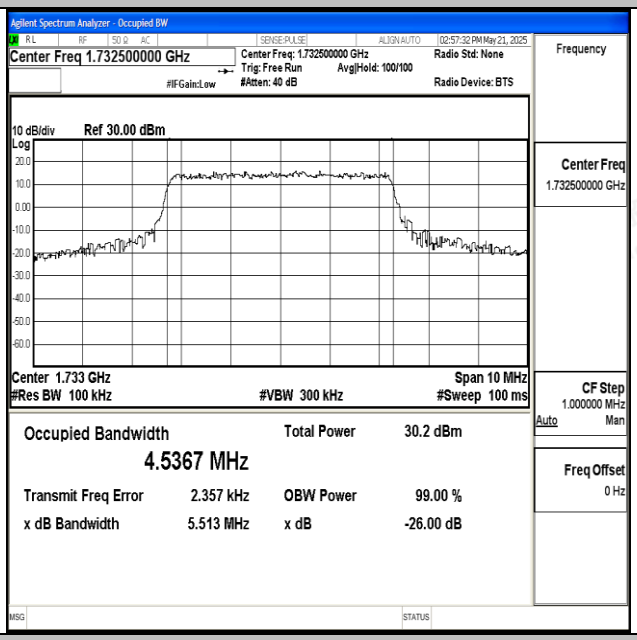
Band4-5MHz-QPSK-19975-25RB#0-PASS



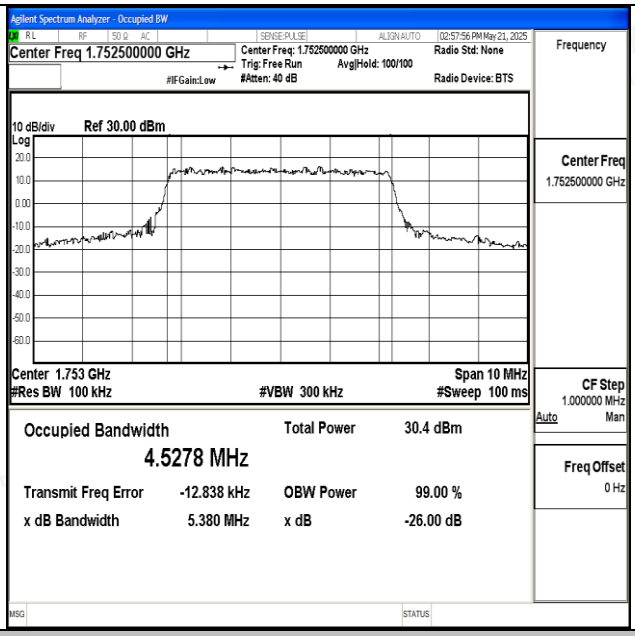
Band4-5MHz-16QAM-19975-25RB#0-PASS



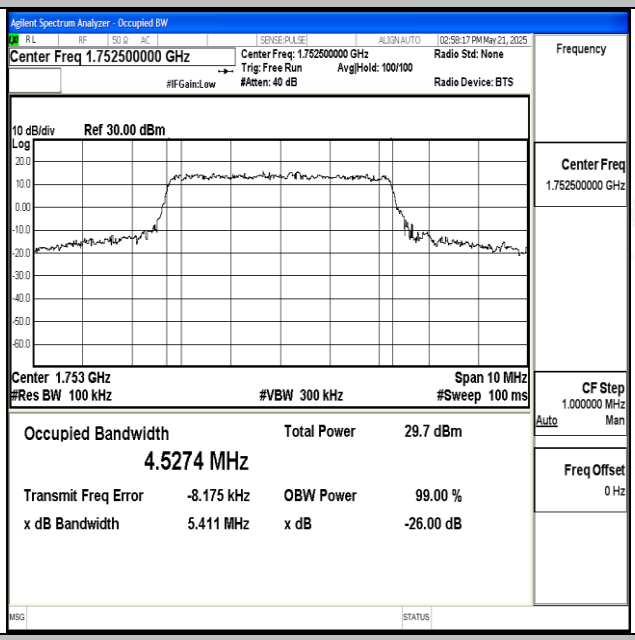
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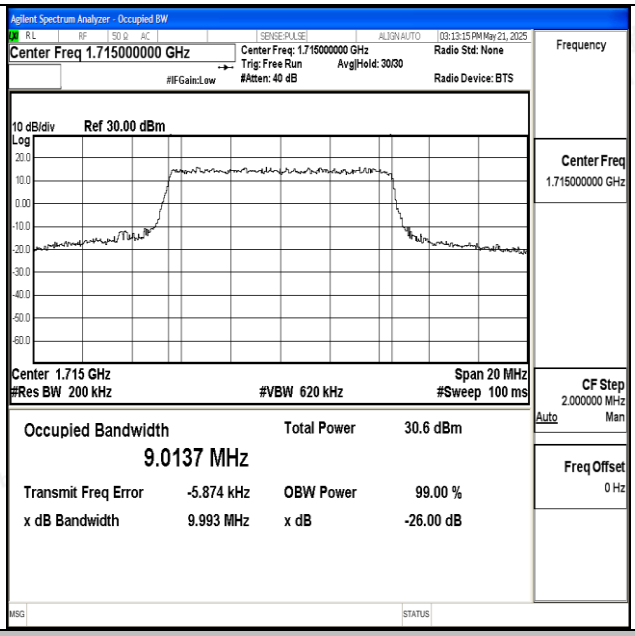
Band4-5MHz-16QAM-20175-25RB#0-PASS



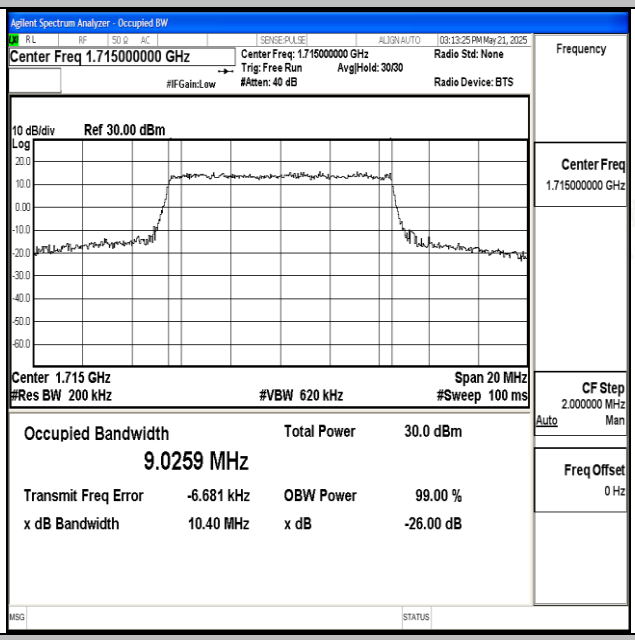
Band4-5MHz-QPSK-20375-25RB#0-PASS



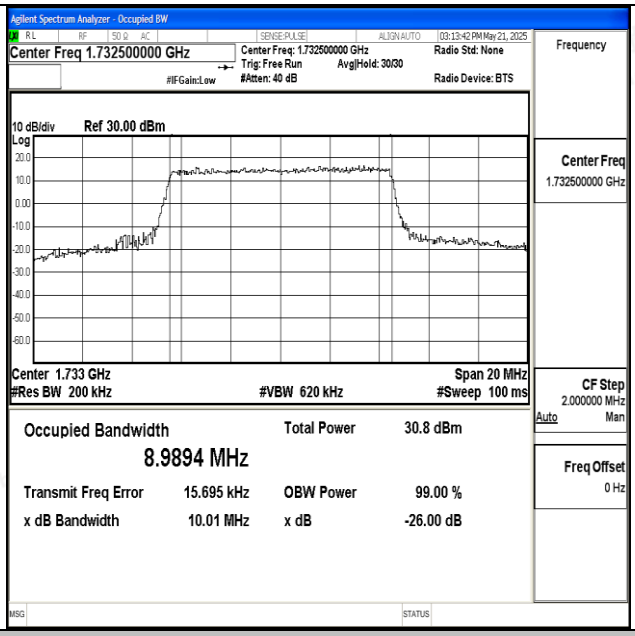
Band4-5MHz-16QAM-20375-25RB#0-PASS



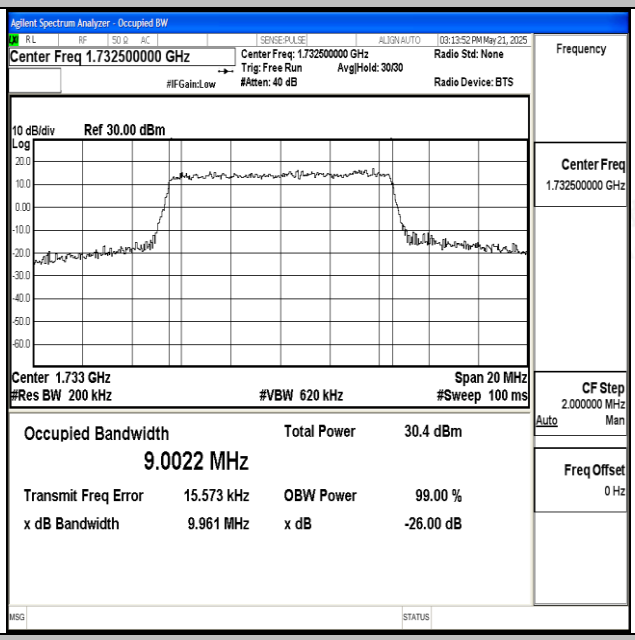
Band4-10MHz-QPSK-20000-50RB#0-PASS



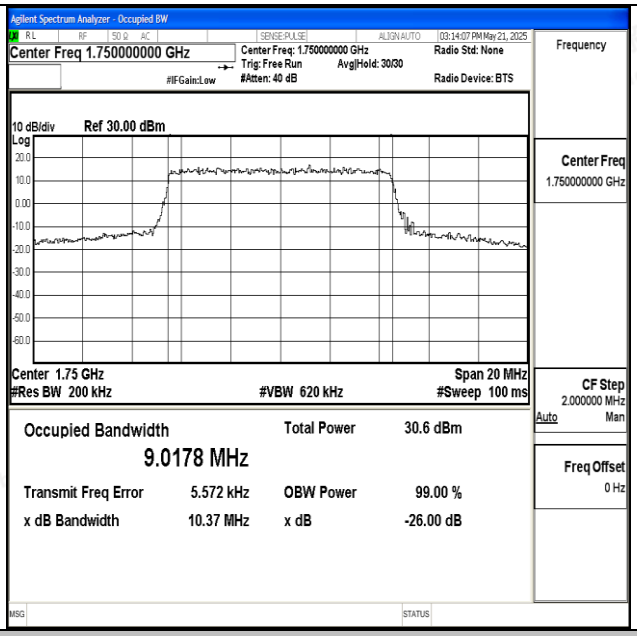
Band4-10MHz-16QAM-20000-50RB#0-PASS



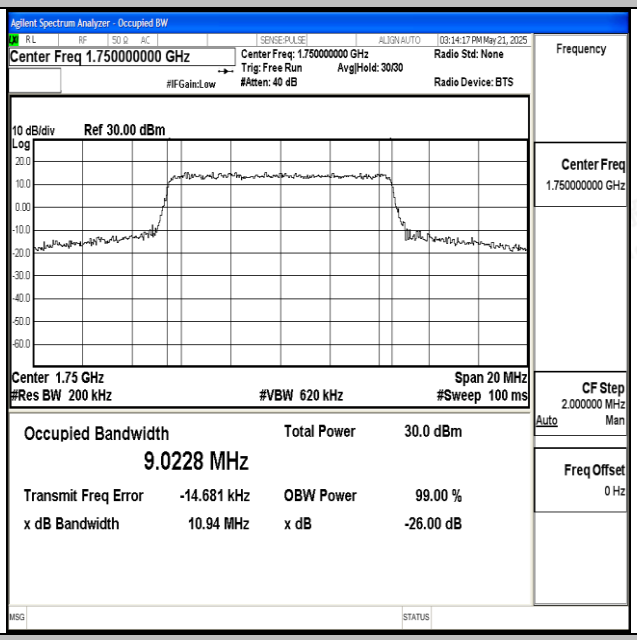
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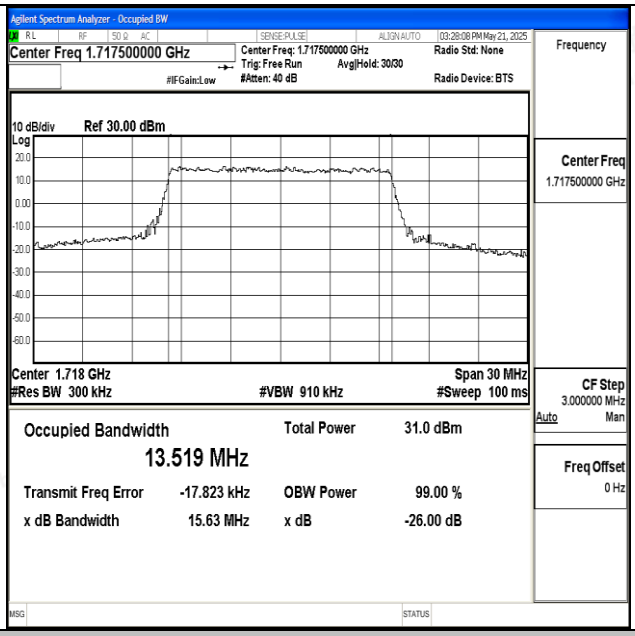
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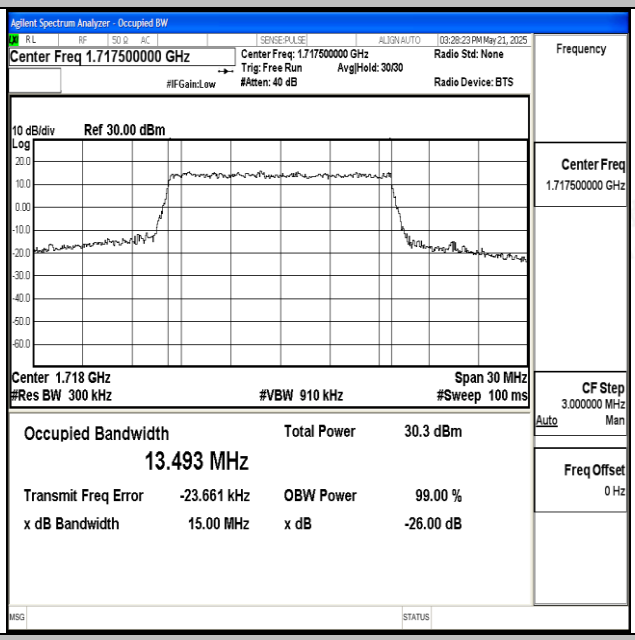
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Band4-10MHz-16QAM-20350-50RB#0-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS



Band4-15MHz-16QAM-20025-75RB#0-PASS