

LTE - Bnad4 RF Test Data

Product Name: SMARTPHONE

Trade Mark: SIRAGON

Test Model: SP-7200

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Output Power (dBm)	E.I.R.P. (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.59	23.62	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.61	23.64	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.49	23.52	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.61	23.64	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.67	23.70	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.65	23.68	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.53	22.56	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.75	23.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.90	23.93	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.86	23.89	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.82	23.85	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.95	23.98	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.93	23.96	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.86	22.89	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.08	24.11	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.16	24.19	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.11	24.14	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.10	24.13	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.12	24.15	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.08	24.11	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.04	23.07	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.93	22.96	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.95	22.98	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.60	23.63	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.33	22.36	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.41	22.44	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.30	22.33	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.79	21.82	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.43	22.46	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.54	22.57	PASS



Band4	1.4MHz	16QAM	20175	1RB#5	21.60	22.63	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.73	22.76	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.94	22.97	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.97	23	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.14	22.17	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.08	24.11	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.10	24.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.06	24.09	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.95	22.98	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.60	22.63	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.62	22.65	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.30	22.33	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.53	23.56	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.51	23.54	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.50	23.53	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.55	22.58	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.58	22.61	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.64	22.67	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.52	22.55	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.56	23.59	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.73	23.76	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.80	23.83	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.73	22.76	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.65	22.68	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.77	22.8	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.90	22.93	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.93	23.96	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.04	24.07	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.92	23.95	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.99	23.02	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.03	23.06	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.08	23.11	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.99	23.02	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.57	22.6	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.44	22.47	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.49	22.52	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.86	21.89	PASS



Band4	3MHz	16QAM	19965	8RB#4	20.81	21.84	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.82	21.85	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.73	21.76	Verdict
Band4	3MHz	16QAM	20175	1RB#0	21.78	22.81	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.82	22.85	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.85	22.88	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.05	22.08	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.05	22.08	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.19	22.22	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.86	21.89	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.83	22.86	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.80	22.83	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.78	22.81	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.30	22.33	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.24	22.27	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.24	22.27	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.18	22.21	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.53	23.56	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.55	23.58	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.47	23.5	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.57	22.6	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.58	22.61	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.59	22.62	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.48	22.51	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.76	23.79	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.98	24.01	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.94	23.97	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.81	22.84	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.82	22.85	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.92	22.95	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.96	22.99	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.95	23.98	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.93	23.96	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.96	23.99	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.99	23.02	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.02	23.05	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.07	23.1	PASS



Band4	5MHz	QPSK	20375	25RB#0	22.02	23.05	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.00	22.03	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.88	21.91	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.94	21.97	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.73	21.76	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.66	21.69	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.63	21.66	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.75	21.78	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.68	22.71	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.84	22.87	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.81	22.84	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.88	21.91	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.89	21.92	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.00	22.03	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.83	21.86	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.45	22.48	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.52	22.55	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.43	22.46	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.18	22.21	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.16	22.19	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.16	22.19	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.27	22.3	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.56	23.59	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.52	23.55	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.50	23.53	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.62	22.65	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.61	22.64	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.57	22.6	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.64	22.67	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.63	23.66	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.85	23.88	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.80	23.83	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.66	22.69	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.78	22.81	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.85	22.88	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.85	22.88	Verdict
Band4	10MHz	QPSK	20350	1RB#0	22.92	23.95	PASS



Band4	10MHz	QPSK	20350	1RB#24	22.94	23.97	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.94	23.97	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.12	23.15	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.99	23.02	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.06	23.09	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.08	23.11	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.81	22.84	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.64	22.67	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.63	22.66	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.72	21.75	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.72	21.75	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.69	21.72	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.69	21.72	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.35	22.38	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.87	22.9	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.55	22.58	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.97	22	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.01	22.04	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.11	22.14	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.95	21.98	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.00	23.03	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.98	23.01	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.00	23.03	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.11	22.14	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.13	22.16	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.05	22.08	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.15	22.18	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.57	23.6	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.38	23.41	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.48	23.51	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.57	22.6	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.57	22.6	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.56	22.59	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.56	22.59	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.45	23.48	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.69	23.72	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.75	23.78	PASS



Band4	15MHz	QPSK	20175	38RB#0	21.80	22.83	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.77	22.8	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.77	22.8	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.94	22.97	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.87	23.9	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.95	23.98	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.96	23.99	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.05	23.08	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.07	23.1	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.02	23.05	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.03	23.06	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.50	22.53	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.60	22.63	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.75	22.78	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.56	22.59	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.57	22.6	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.56	22.59	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.75	21.78	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.68	22.71	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.97	23	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.10	23.13	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.77	22.8	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.76	22.79	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.95	22.98	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.10	22.13	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.97	23	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.05	23.08	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.07	23.1	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.07	23.1	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.02	23.05	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.03	23.06	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.14	22.17	Verdict
Band4	20MHz	QPSK	20050	1RB#0	22.73	23.76	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.69	23.72	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.87	23.90	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.55	22.58	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.55	22.58	PASS



Band4	20MHz	QPSK	20050	50RB#50	21.64	22.67	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.55	22.58	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.81	23.84	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.05	24.08	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.14	24.17	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.58	22.61	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.73	22.76	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.94	22.97	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.79	22.82	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.19	24.22	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.35	24.38	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.36	24.39	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.98	23.01	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.86	22.89	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.08	23.11	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.13	23.16	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.64	22.67	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.55	22.58	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.73	22.76	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.85	21.88	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.84	21.87	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.79	21.82	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.69	21.72	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.68	22.71	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.79	22.82	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.78	22.81	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.83	21.86	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.85	21.88	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.06	22.09	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.93	21.96	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.58	22.61	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.68	22.71	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.70	22.73	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.19	22.22	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.20	22.23	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.30	22.33	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.08	22.11	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.97	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.54	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.56	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.18	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.88	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.52	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.86	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.09	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.31	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.87	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.28	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.39	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	5.01	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.51	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.69	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.14	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.65	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.51	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.82	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.35	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.49	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.96	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.14	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.31	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	5.14	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.61	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.97	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.10	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.49	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.55	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	6.04	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.33	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.59	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.94	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.47	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.31	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.97	13	PASS



Band4	10MHz	QPSK	20000	50RB#0	5.73	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.87	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.22	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.58	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.58	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.92	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.45	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.84	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.97	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.30	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.27	13	PASS
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Band4	15MHz	QPSK	20025	75RB#0	6.06	13	PASS
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Band4	15MHz	QPSK	20175	75RB#0	5.52	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.80	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.87	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.95	13	PASS
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Band4	15MHz	16QAM	20175	1RB#0	6.12	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.10	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.15	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.56	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.92	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.83	13	PASS
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Band4	20MHz	QPSK	20175	100RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.16	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.04	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.58	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.54	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	6.50	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.17	13	PASS
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Test Graphs

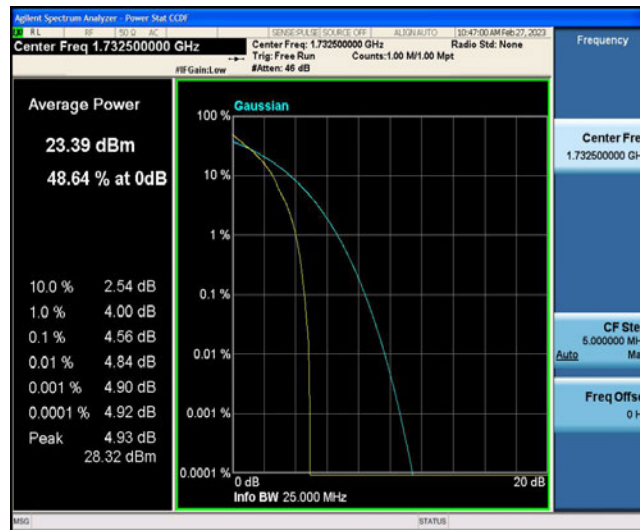
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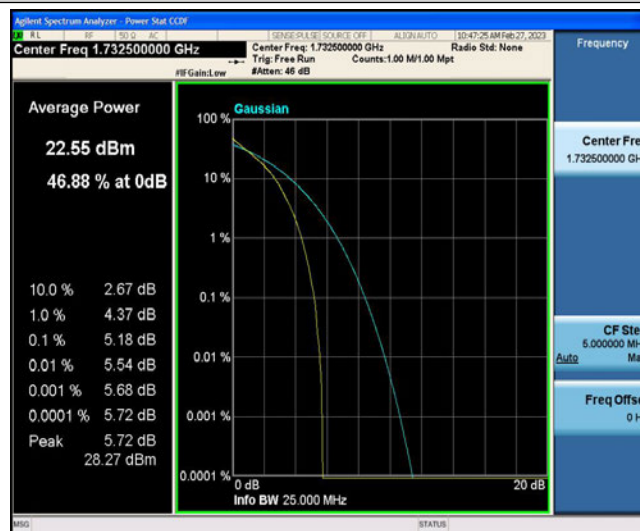
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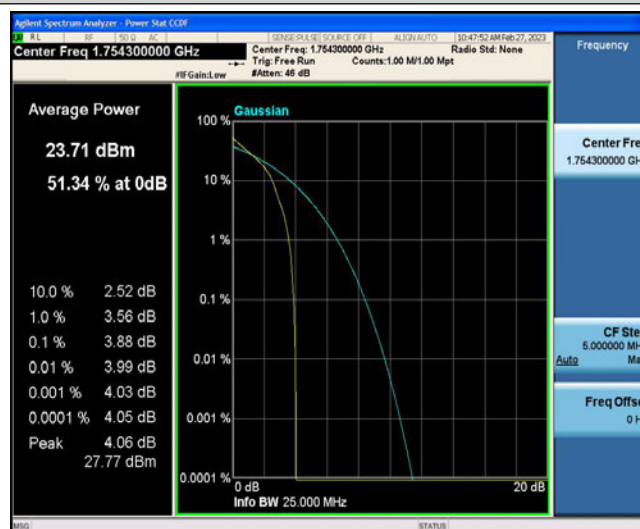
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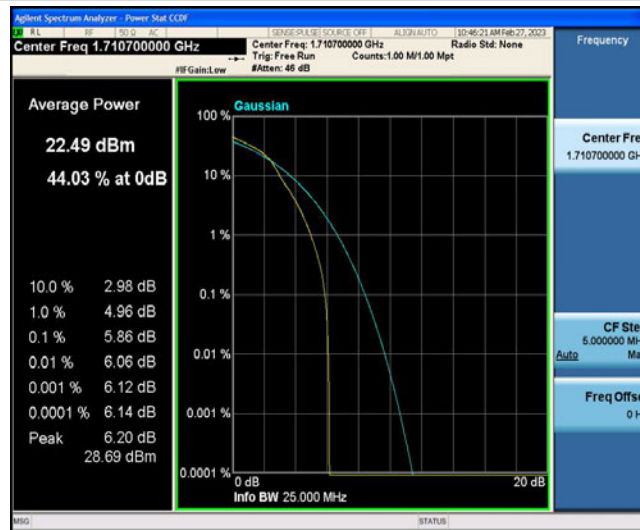
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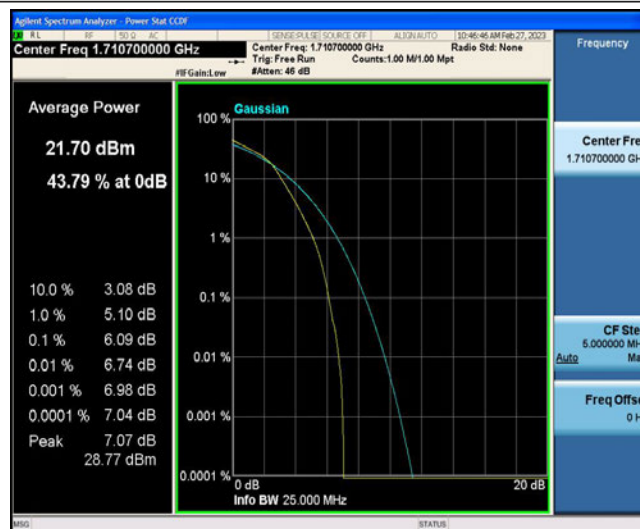
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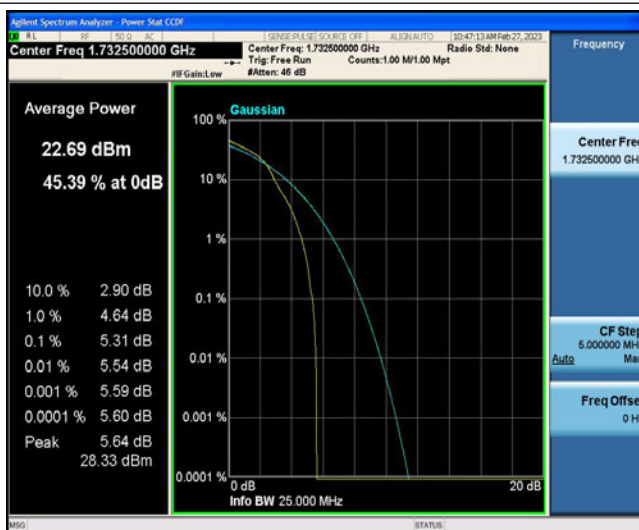
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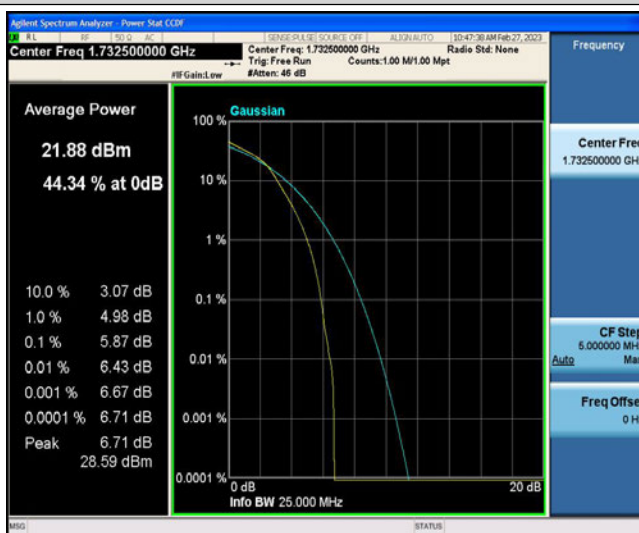
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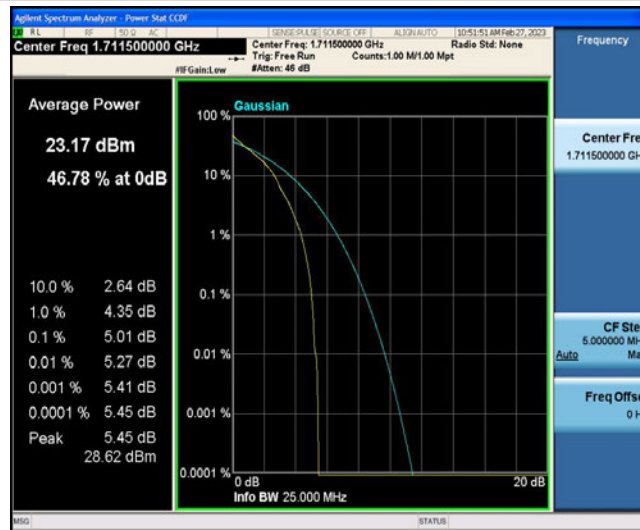
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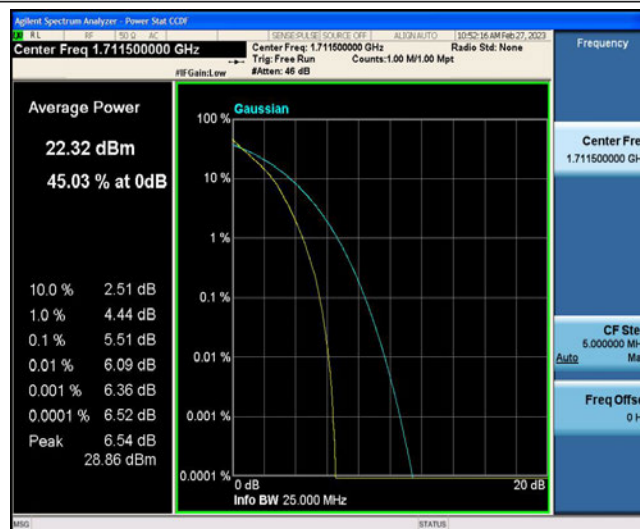
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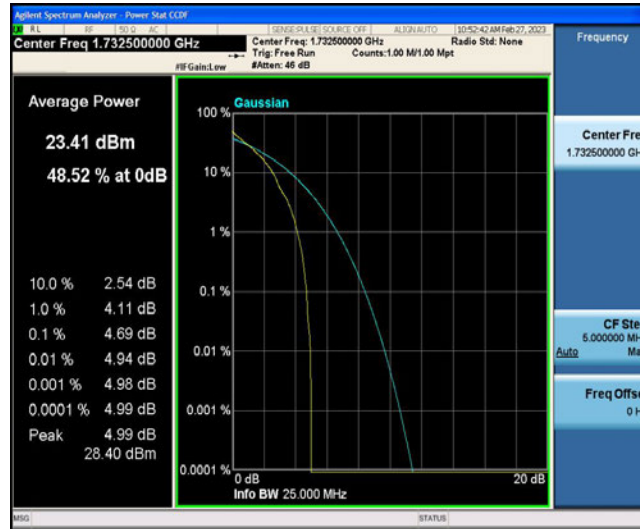
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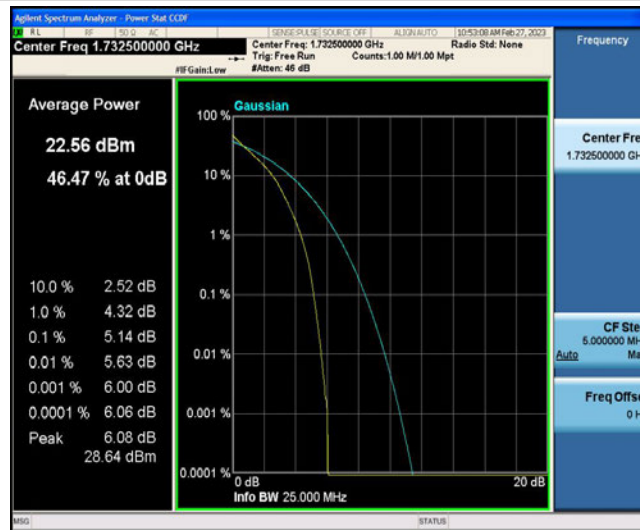
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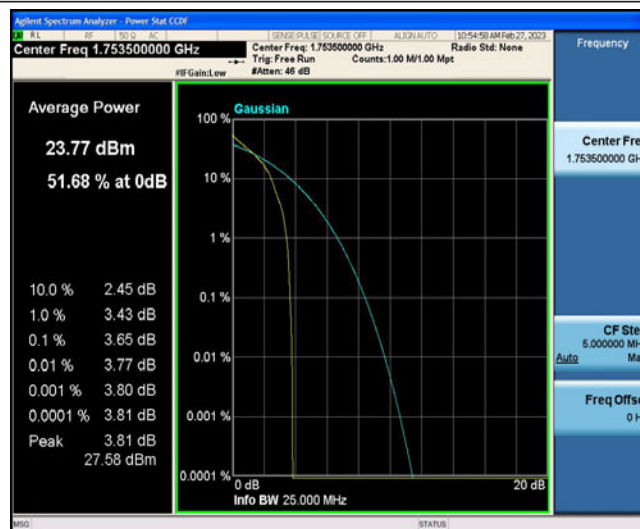
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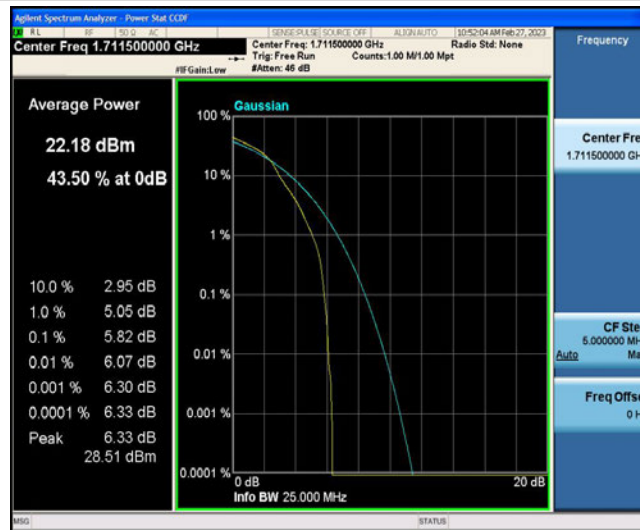
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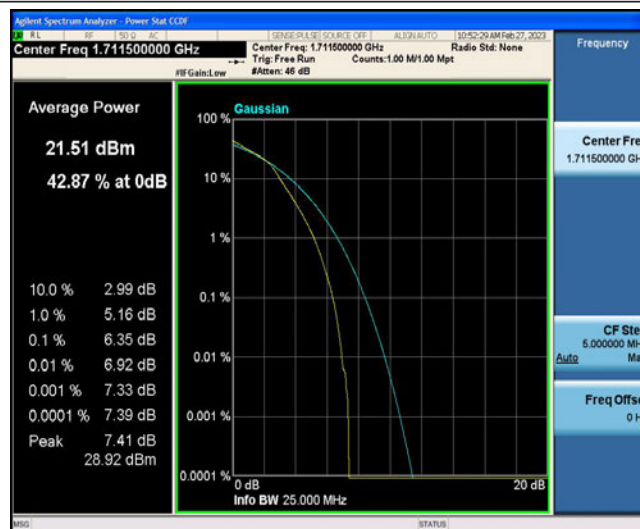
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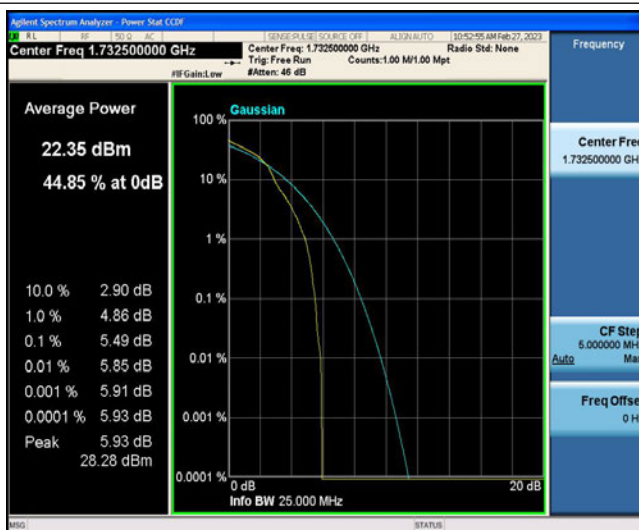
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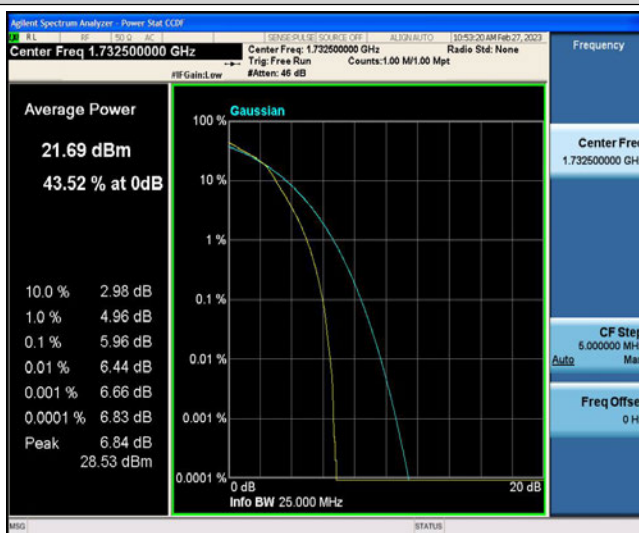
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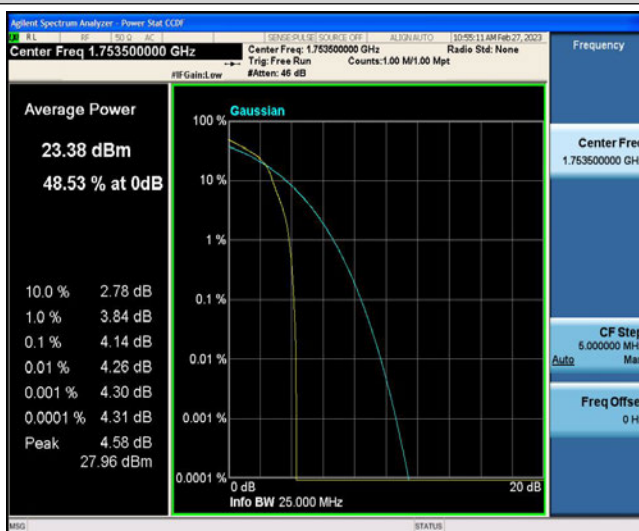
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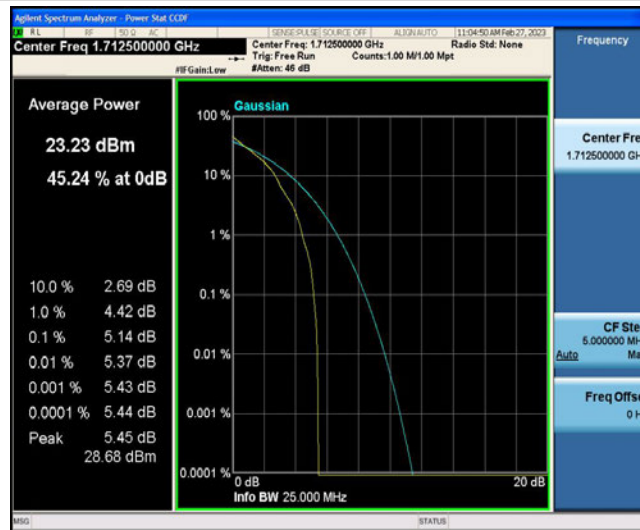
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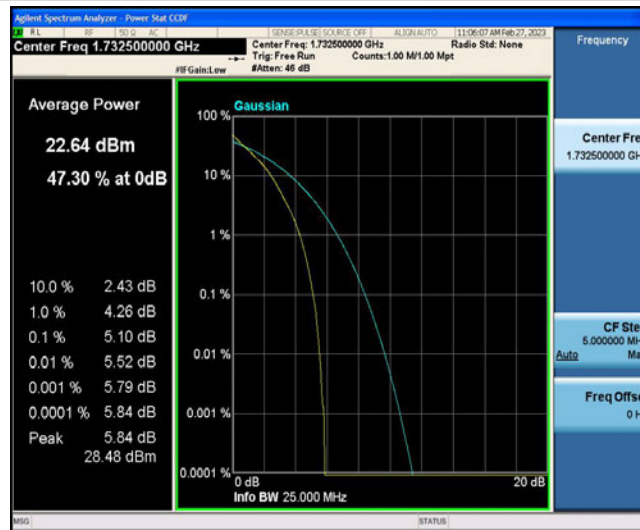
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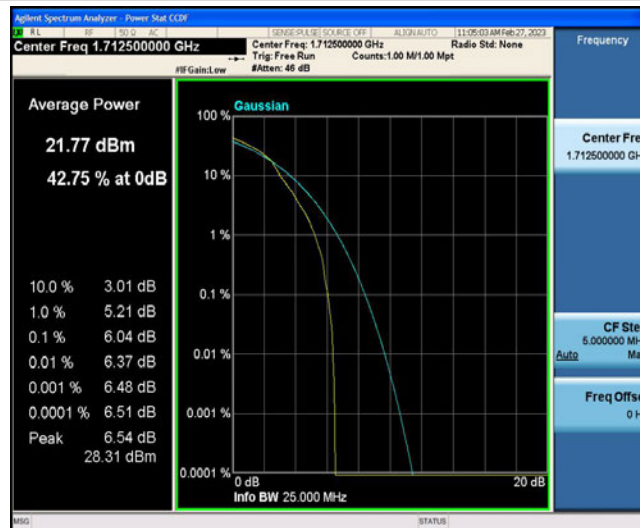
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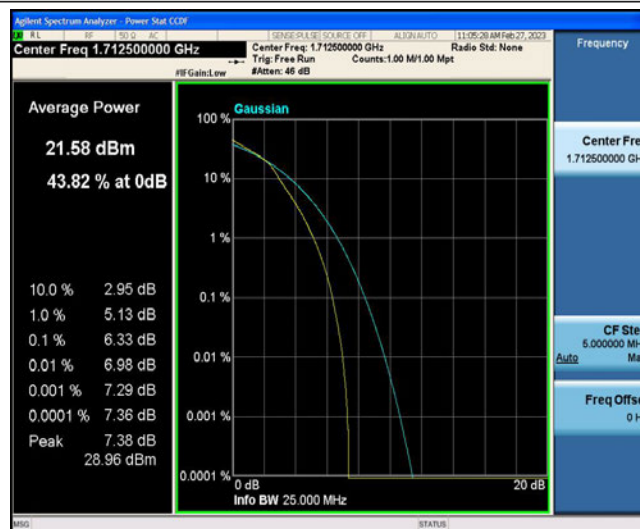
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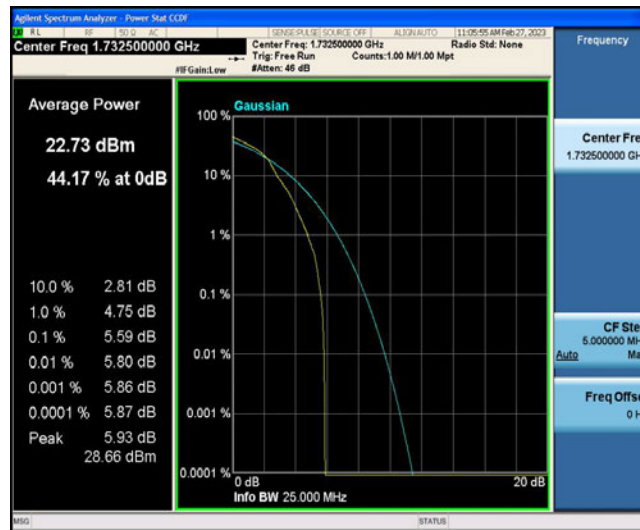
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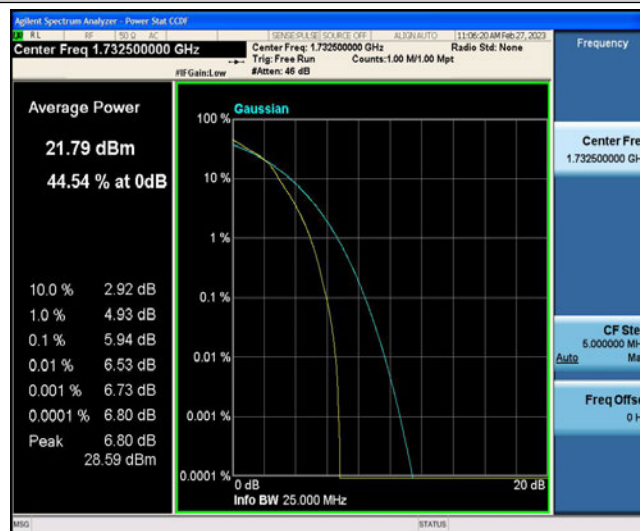
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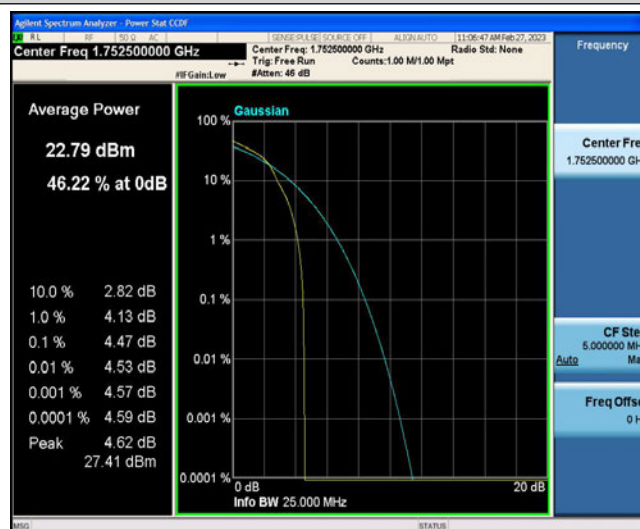
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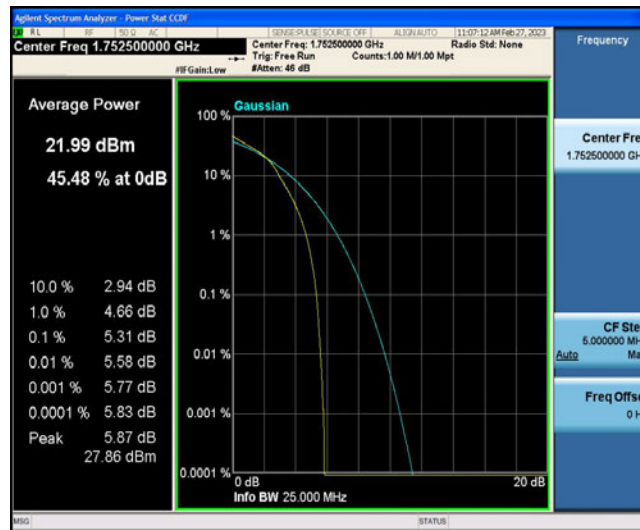
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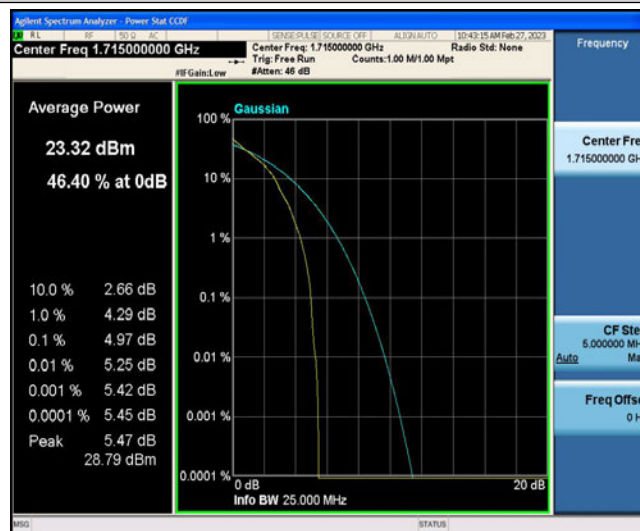
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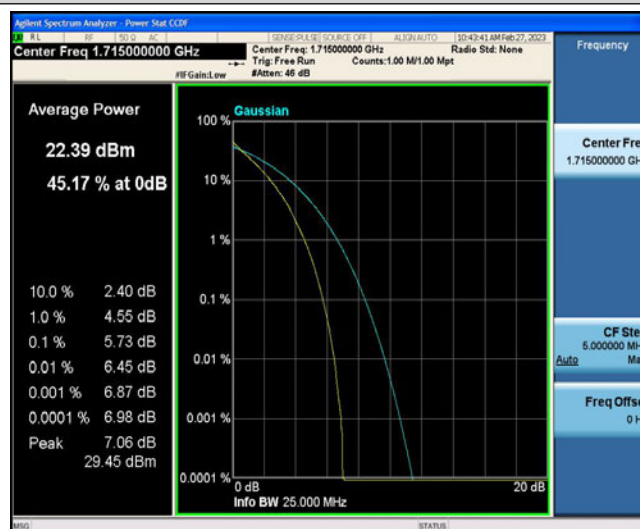
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Band4-10MHz-QPSK-20000-1RB#0



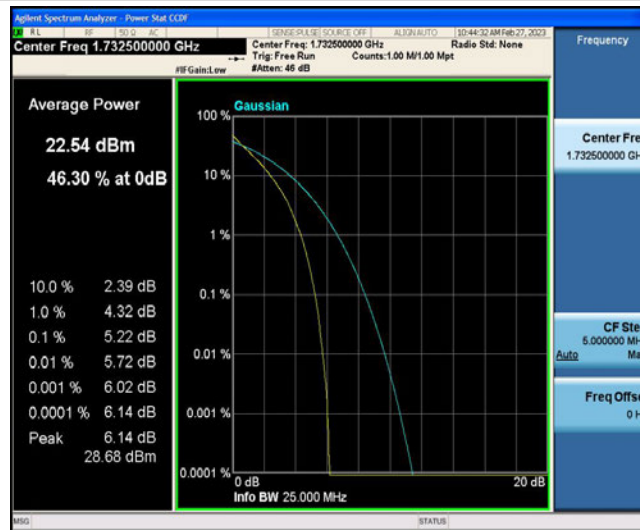
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Band4-10MHz-QPSK-20175-1RB#0



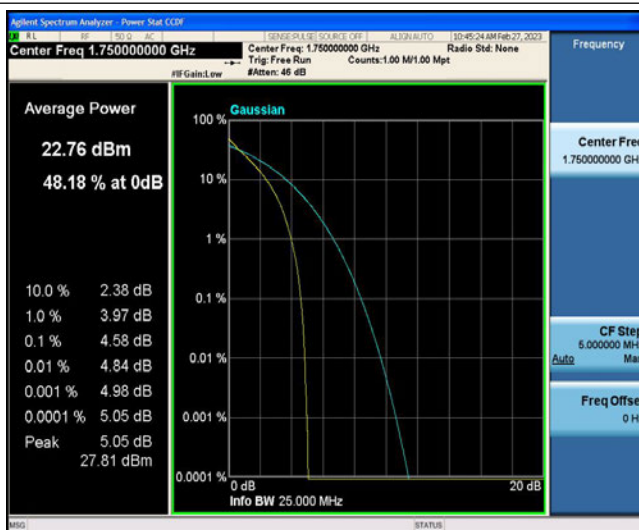
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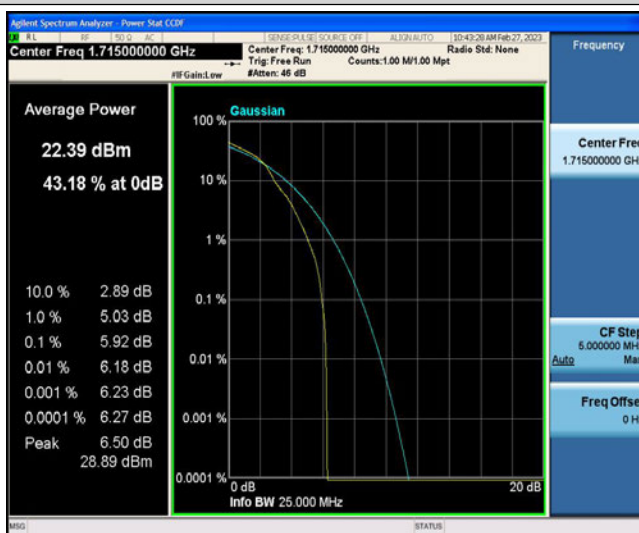
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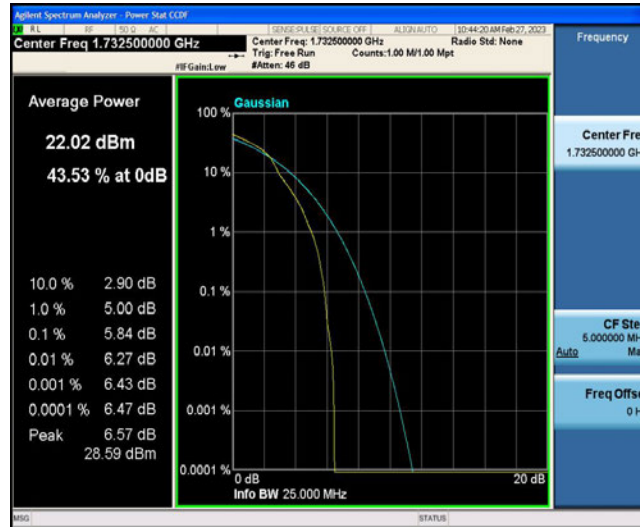
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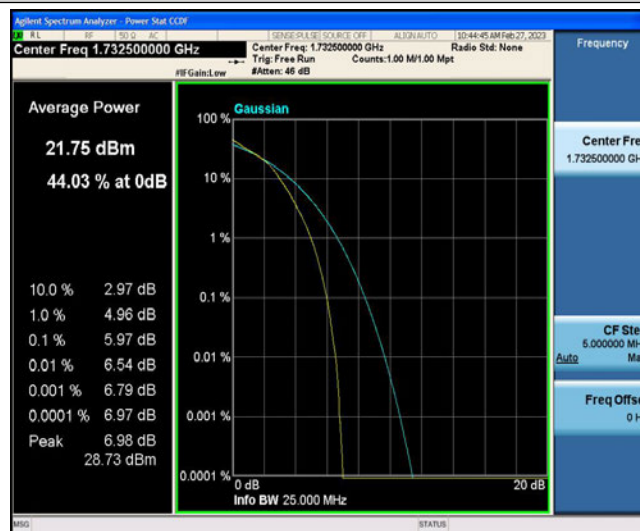
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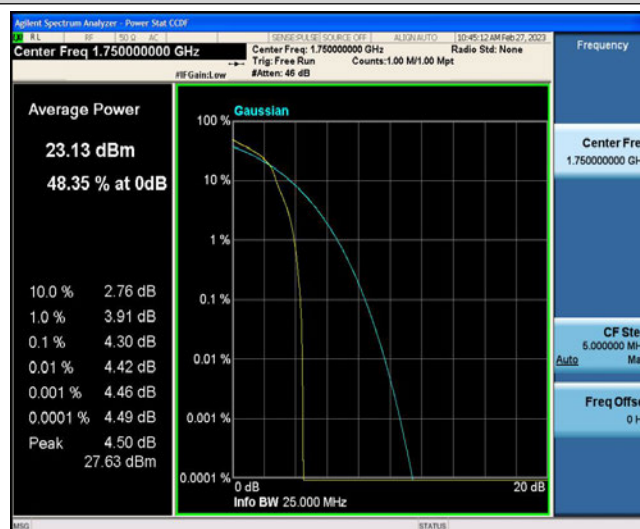
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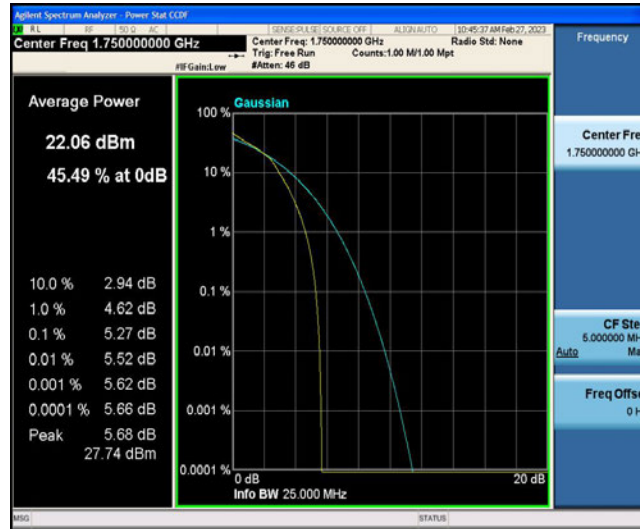
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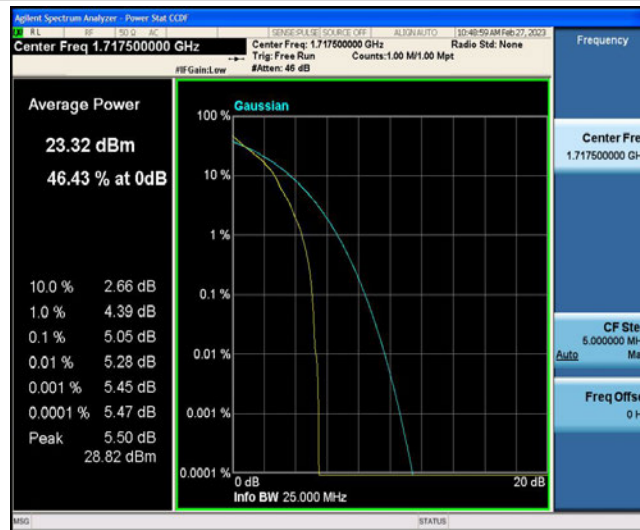
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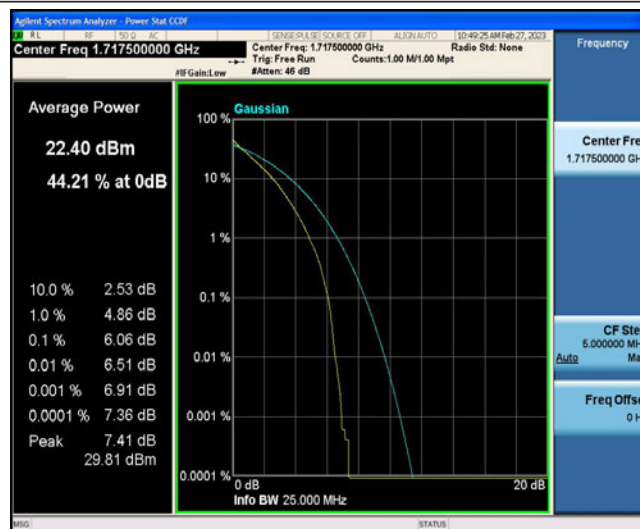
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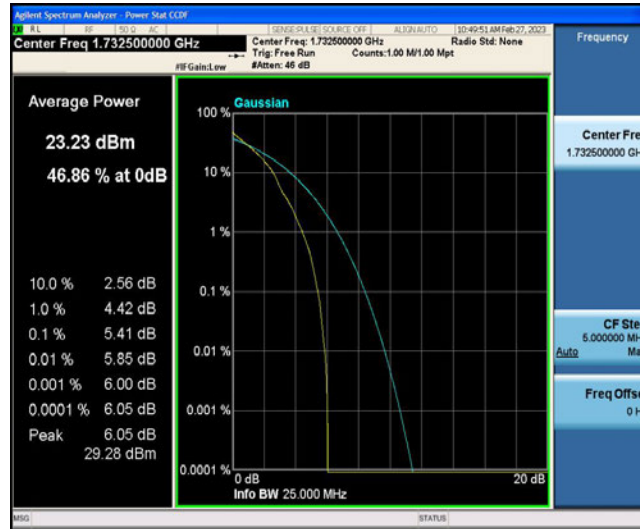
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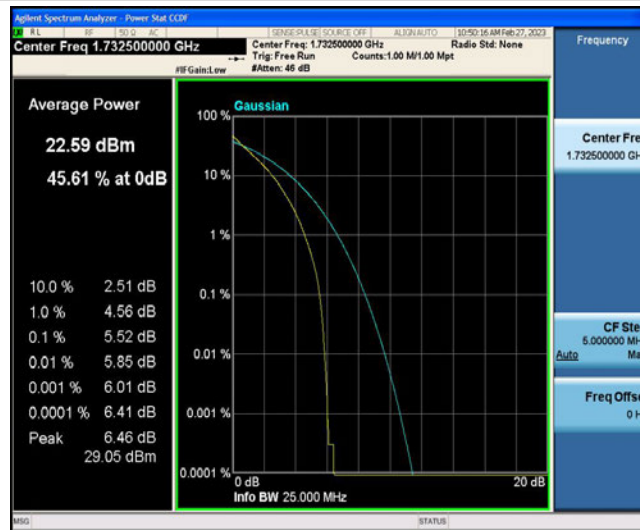
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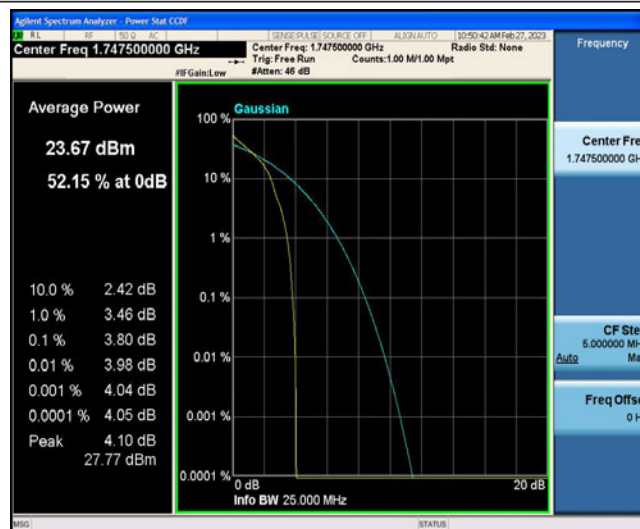
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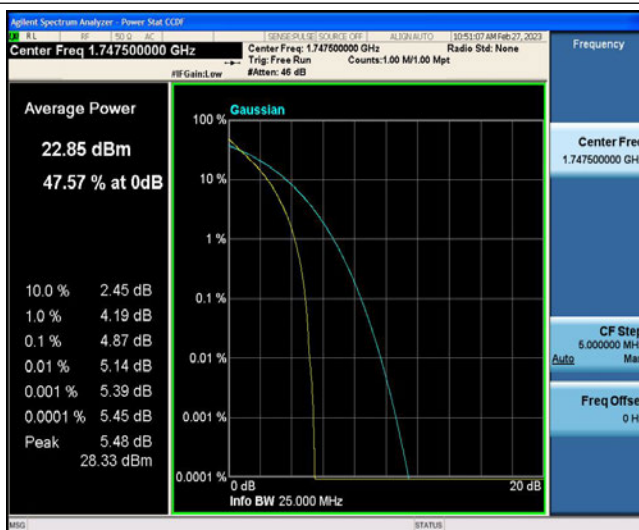
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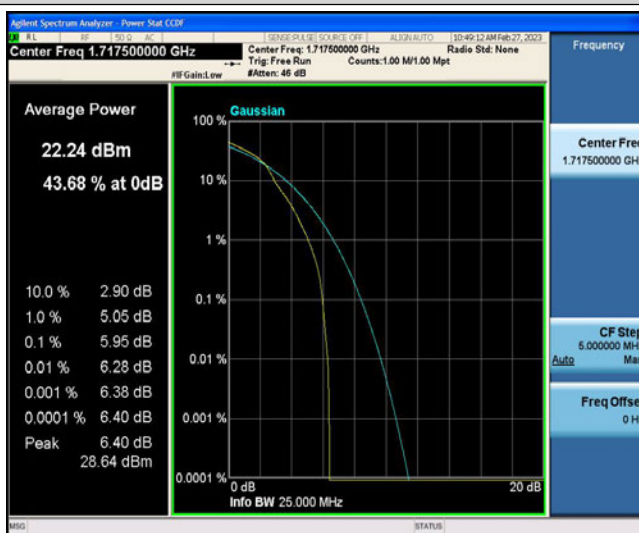
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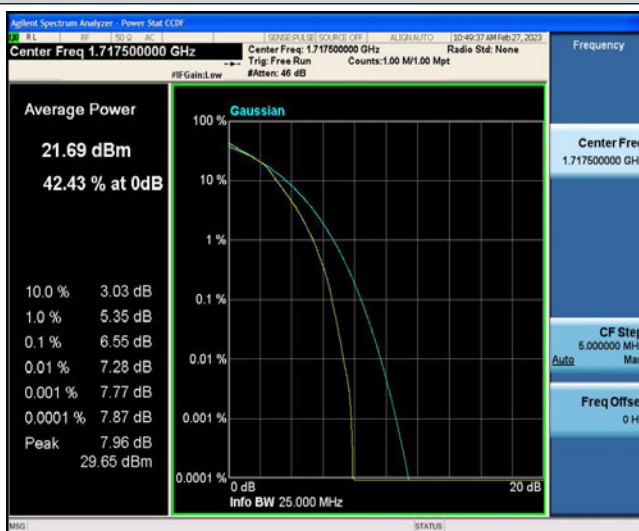
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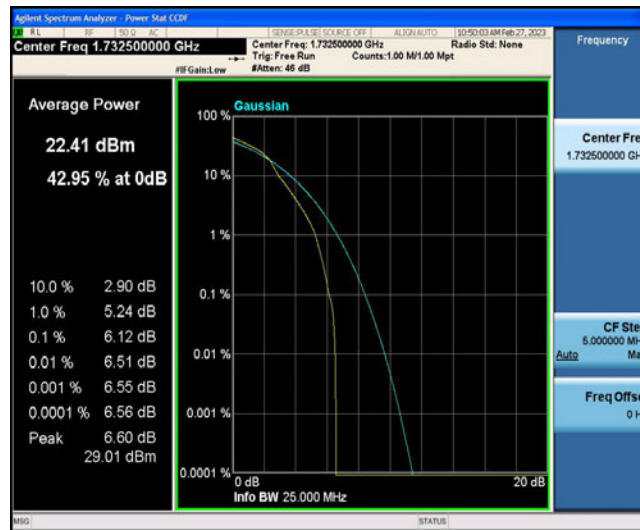
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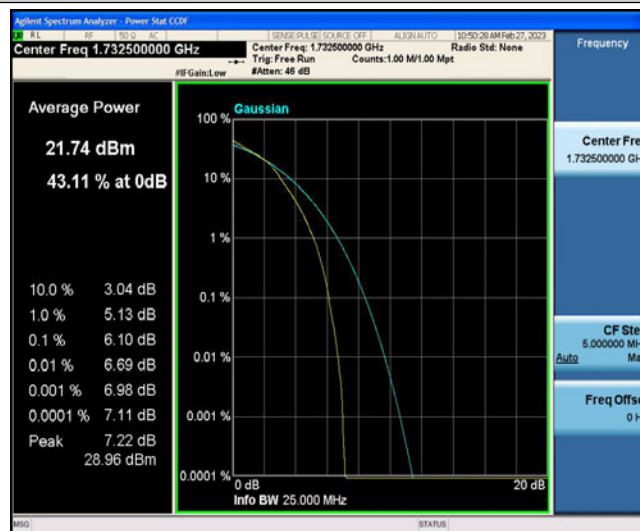
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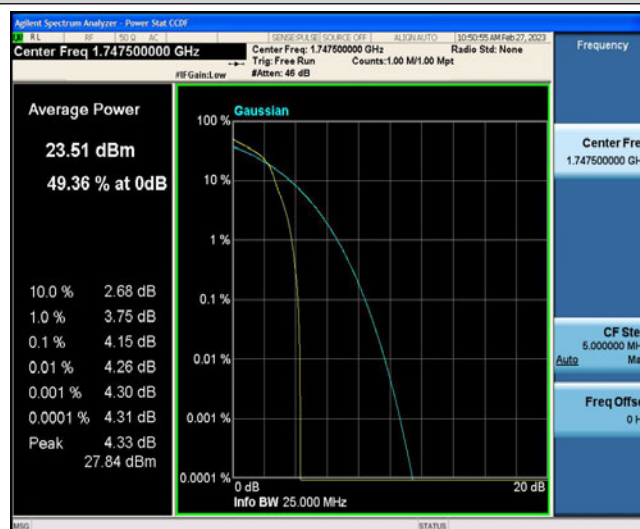
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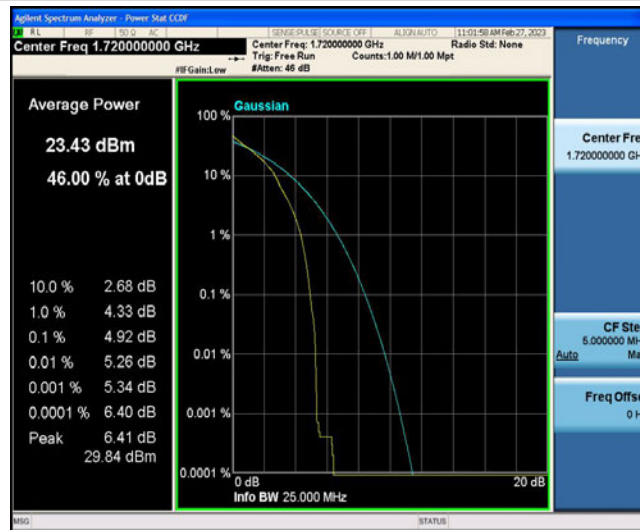
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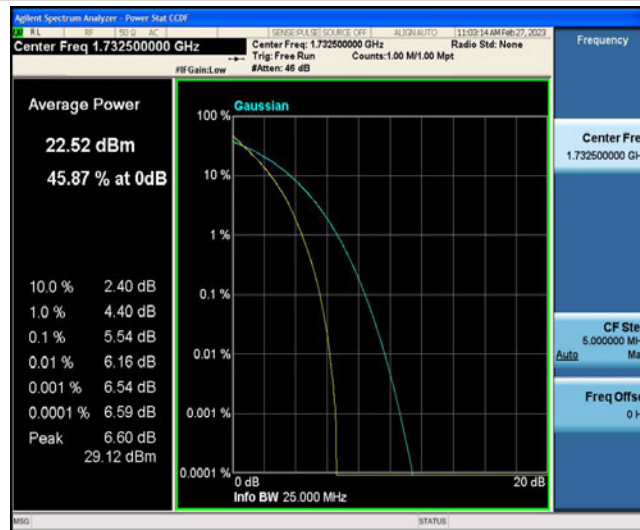
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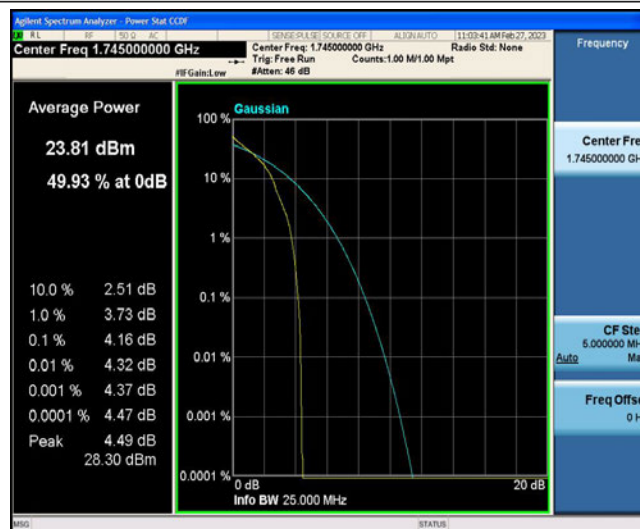
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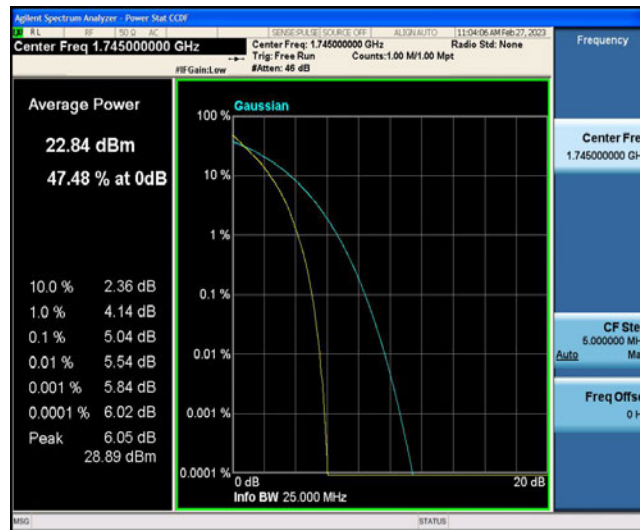
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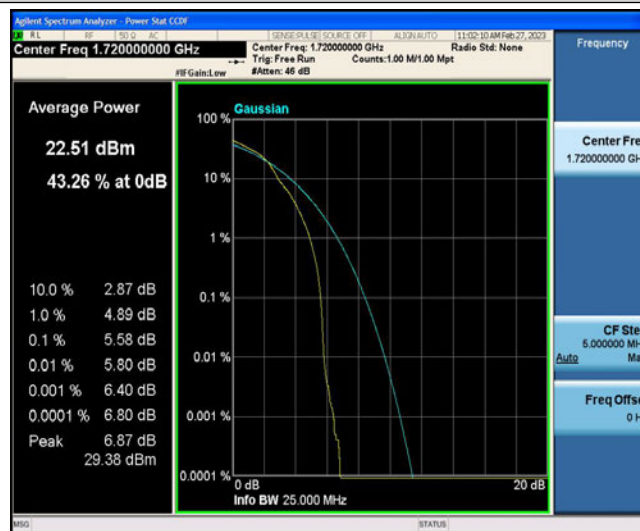
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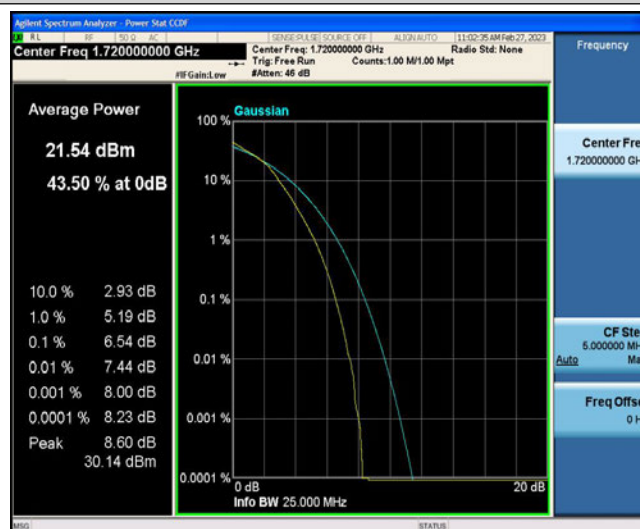
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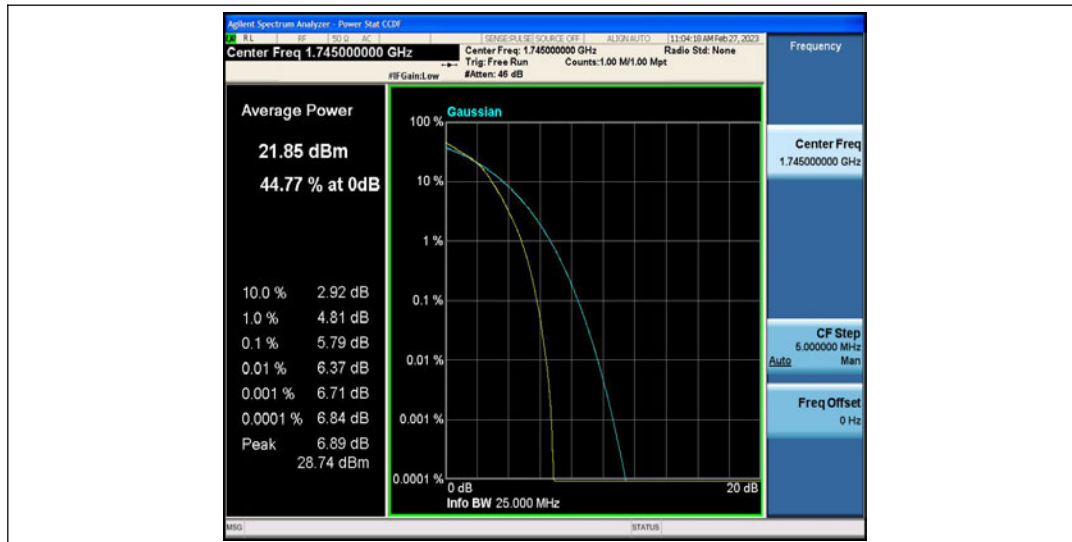
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Band4-20MHz-16QAM-20300-1RB#0



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0897	1.236	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0962	1.239	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0909	1.233	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0916	1.232	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0887	1.246	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0889	1.234	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6972	2.944	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6965	2.968	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6955	2.958	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6961	2.985	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6960	2.989	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7007	2.994	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4906	4.872	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4945	4.872	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4992	4.884	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4967	4.881	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5031	4.919	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5024	4.867	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9912	9.575	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9838	9.578	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9858	9.578	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9755	9.604	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9735	9.607	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9836	9.594	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.484	14.34	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.460	14.29	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.479	14.32	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.471	14.34	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.453	14.32	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.455	14.38	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.999	19.02	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.957	18.97	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.952	19.02	PASS



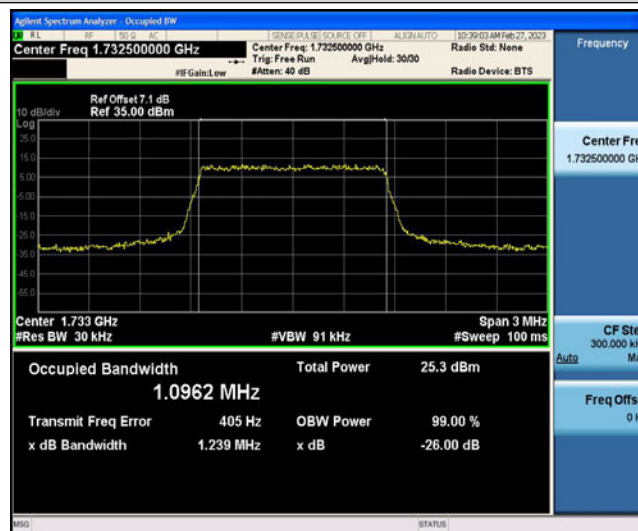
Band4	20MHz	16QAM	20050	100RB#0	17.989	19.02	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.947	19.01	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.962	19.05	PASS

Test Graphs

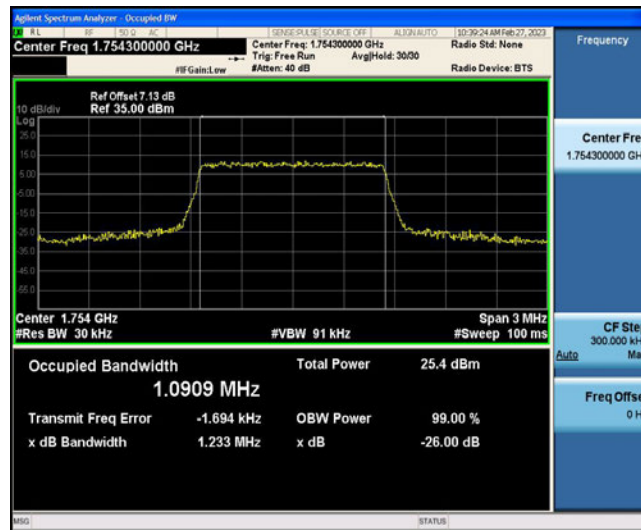
Band4-1.4MHz-QPSK-19957-6RB#0



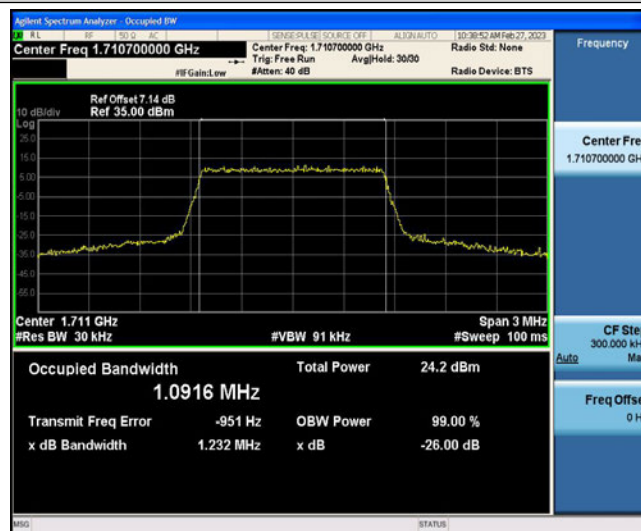
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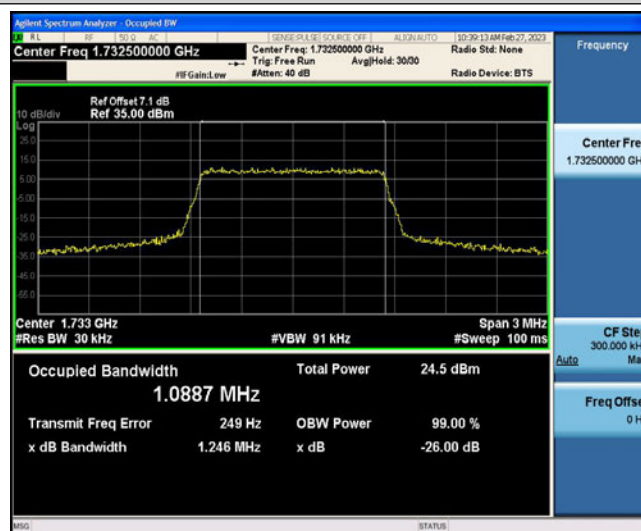
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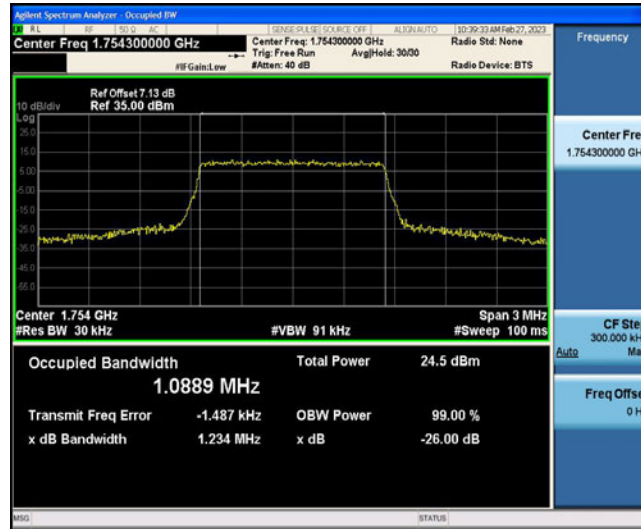
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Band4-1.4MHz-16QAM-20175-6RB#0



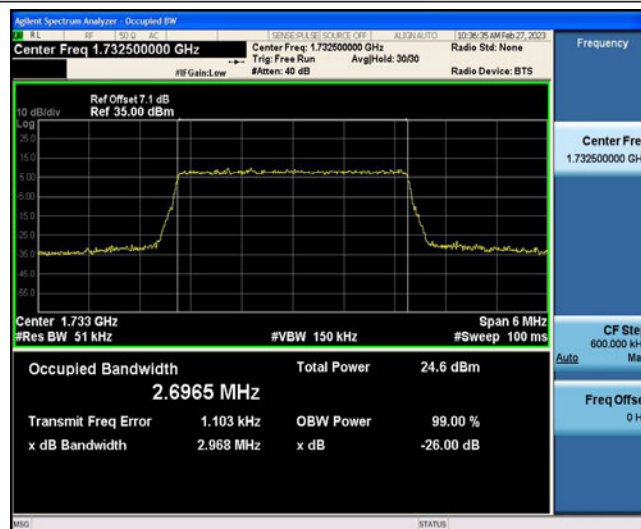
Band4-1.4MHz-16QAM-20393-6RB#0



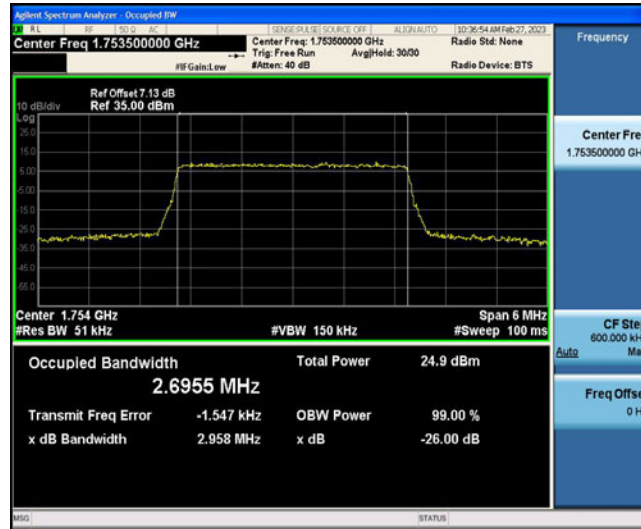
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Band4-3MHz-QPSK-20175-15RB#0



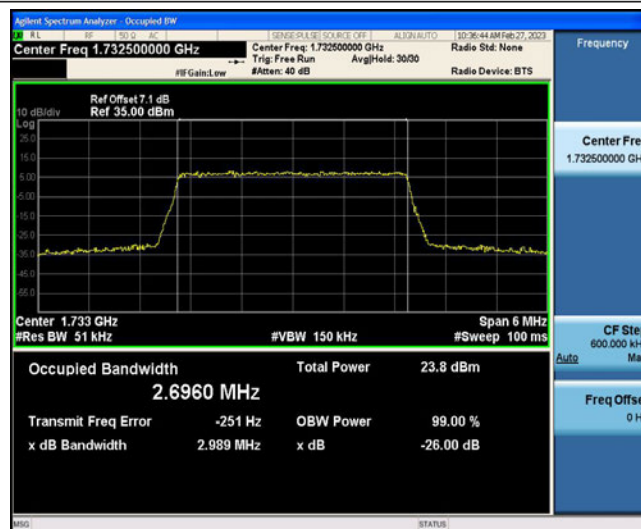
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Band4-3MHz-16QAM-19965-15RB#0



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



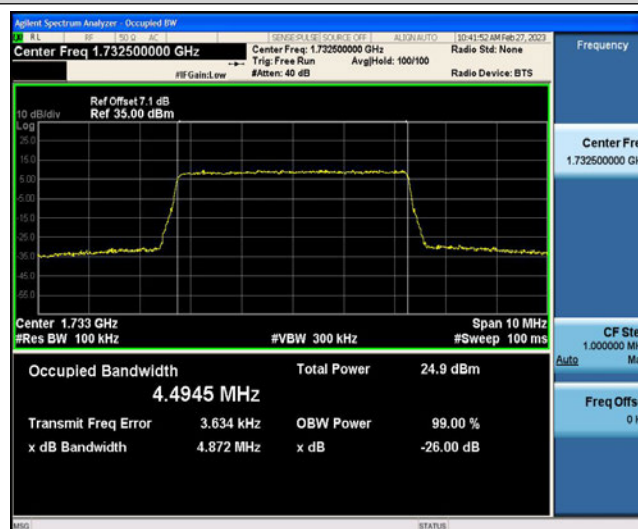
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Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-25RB#0



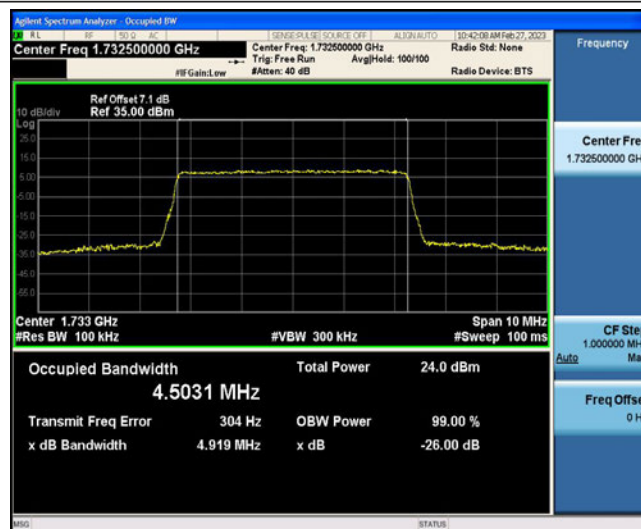
Band4-5MHz-QPSK-20375-25RB#0



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



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



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



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



Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



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



Band4-10MHz-16QAM-20175-50RB#0



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



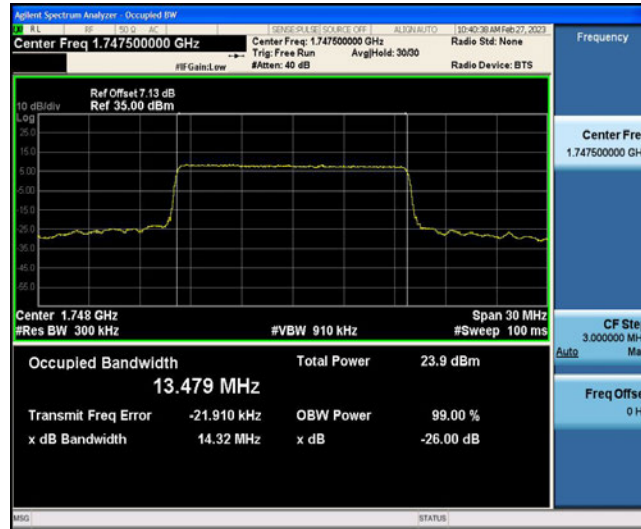
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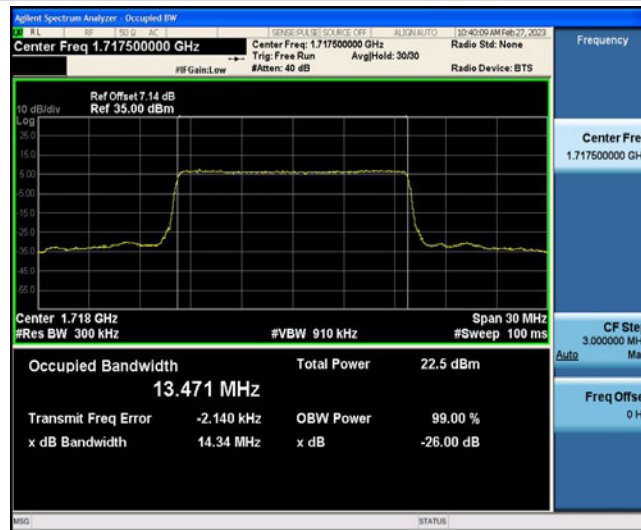
Band4-15MHz-QPSK-20175-75RB#0



Band4-15MHz-QPSK-20325-75RB#0



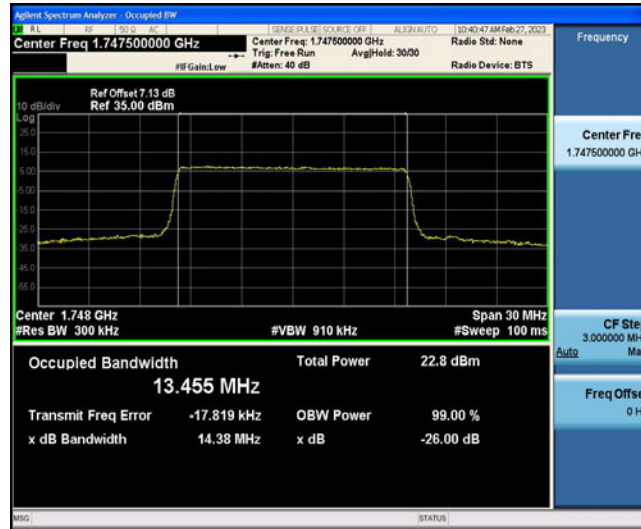
Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-75RB#0



Band4-15MHz-16QAM-20325-75RB#0



Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-100RB#0



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



Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



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