



Appendix B: Test Data for E-UTRA Band 4

Product Name: 4G module

Test Model: TM18NA

Environmental Conditions

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



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B.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	19.93	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.14	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	19.86	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.04	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	19.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	19.41	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	19.95	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	18.87	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	19.94	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	18.86	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	19.93	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	18.75	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	19.03	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	18.42	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	20.63	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	19.31	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	20.60	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	19.25	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	20.67	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	19.35	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	20.73	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	19.63	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	20.71	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.07	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	20.69	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.12	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	19.83	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.31	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.61	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.25	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.67	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.21	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.62	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.35	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.86	PASS



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Band4	1.4MHz	16QAM	20393	3RB#0	19.86	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.86	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	19.87	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	20.85	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	19.82	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	19.95	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.09	PASS
Band4	3MHz	QPSK	19965	1RB#0	19.89	PASS
Band4	3MHz	16QAM	19965	1RB#0	19.33	PASS
Band4	3MHz	QPSK	19965	1RB#8	19.88	PASS
Band4	3MHz	16QAM	19965	1RB#8	19.20	PASS
Band4	3MHz	QPSK	19965	1RB#14	19.78	PASS
Band4	3MHz	16QAM	19965	1RB#14	19.23	PASS
Band4	3MHz	QPSK	19965	8RB#0	19.17	PASS
Band4	3MHz	16QAM	19965	8RB#0	18.62	PASS
Band4	3MHz	QPSK	19965	8RB#4	19.18	PASS
Band4	3MHz	16QAM	19965	8RB#4	18.68	PASS
Band4	3MHz	QPSK	19965	8RB#7	19.09	PASS
Band4	3MHz	16QAM	19965	8RB#7	18.51	PASS
Band4	3MHz	QPSK	19965	15RB#0	19.03	PASS
Band4	3MHz	16QAM	19965	15RB#0	18.38	PASS
Band4	3MHz	QPSK	20175	1RB#0	20.49	PASS
Band4	3MHz	16QAM	20175	1RB#0	19.14	PASS
Band4	3MHz	QPSK	20175	1RB#8	20.57	PASS
Band4	3MHz	16QAM	20175	1RB#8	19.22	PASS
Band4	3MHz	QPSK	20175	1RB#14	20.74	PASS
Band4	3MHz	16QAM	20175	1RB#14	19.43	PASS
Band4	3MHz	QPSK	20175	8RB#0	19.72	PASS
Band4	3MHz	16QAM	20175	8RB#0	19.35	PASS
Band4	3MHz	QPSK	20175	8RB#4	19.71	PASS
Band4	3MHz	16QAM	20175	8RB#4	19.30	PASS
Band4	3MHz	QPSK	20175	8RB#7	19.87	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.37	PASS
Band4	3MHz	QPSK	20175	15RB#0	19.64	PASS
Band4	3MHz	16QAM	20175	15RB#0	18.96	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.71	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.30	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.72	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.19	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.69	PASS



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Band4	3MHz	16QAM	20385	1RB#14	20.23	PASS
Band4	3MHz	QPSK	20385	8RB#0	19.95	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.51	PASS
Band4	3MHz	QPSK	20385	8RB#4	19.96	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.38	PASS
Band4	3MHz	QPSK	20385	8RB#7	19.95	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.29	PASS
Band4	3MHz	QPSK	20385	15RB#0	19.86	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.27	PASS
Band4	5MHz	QPSK	19975	1RB#0	20.08	PASS
Band4	5MHz	16QAM	19975	1RB#0	18.75	PASS
Band4	5MHz	QPSK	19975	1RB#12	19.97	PASS
Band4	5MHz	16QAM	19975	1RB#12	18.59	PASS
Band4	5MHz	QPSK	19975	1RB#24	19.84	PASS
Band4	5MHz	16QAM	19975	1RB#24	18.46	PASS
Band4	5MHz	QPSK	19975	12RB#0	19.10	PASS
Band4	5MHz	16QAM	19975	12RB#0	18.44	PASS
Band4	5MHz	QPSK	19975	12RB#6	19.12	PASS
Band4	5MHz	16QAM	19975	12RB#6	18.42	PASS
Band4	5MHz	QPSK	19975	12RB#13	18.94	PASS
Band4	5MHz	16QAM	19975	12RB#13	18.26	PASS
Band4	5MHz	QPSK	19975	25RB#0	18.98	PASS
Band4	5MHz	16QAM	19975	25RB#0	18.44	PASS
Band4	5MHz	QPSK	20175	1RB#0	20.30	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.18	PASS
Band4	5MHz	QPSK	20175	1RB#12	20.47	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.24	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.06	PASS
Band4	5MHz	QPSK	20175	12RB#0	19.75	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.03	PASS
Band4	5MHz	QPSK	20175	12RB#6	19.75	PASS
Band4	5MHz	16QAM	20175	12RB#6	19.18	PASS
Band4	5MHz	QPSK	20175	12RB#13	19.96	PASS
Band4	5MHz	16QAM	20175	12RB#13	19.17	PASS
Band4	5MHz	QPSK	20175	25RB#0	19.80	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.05	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.87	PASS
Band4	5MHz	16QAM	20375	1RB#0	19.76	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.80	PASS



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Band4	5MHz	16QAM	20375	1RB#12	19.74	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.78	PASS
Band4	5MHz	16QAM	20375	1RB#24	19.63	PASS
Band4	5MHz	QPSK	20375	12RB#0	19.96	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.23	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.01	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.11	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.08	PASS
Band4	5MHz	QPSK	20375	25RB#0	19.96	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.27	PASS
Band4	10MHz	QPSK	20000	1RB#0	19.97	PASS
Band4	10MHz	16QAM	20000	1RB#0	19.37	PASS
Band4	10MHz	QPSK	20000	1RB#24	19.63	PASS
Band4	10MHz	16QAM	20000	1RB#24	19.07	PASS
Band4	10MHz	QPSK	20000	1RB#49	19.57	PASS
Band4	10MHz	16QAM	20000	1RB#49	19.07	PASS
Band4	10MHz	QPSK	20000	25RB#0	19.06	PASS
Band4	10MHz	16QAM	20000	25RB#0	18.24	PASS
Band4	10MHz	QPSK	20000	25RB#12	18.98	PASS
Band4	10MHz	16QAM	20000	25RB#12	18.31	PASS
Band4	10MHz	QPSK	20000	25RB#25	18.83	PASS
Band4	10MHz	16QAM	20000	25RB#25	18.15	PASS
Band4	10MHz	QPSK	20000	50RB#0	18.86	PASS
Band4	10MHz	16QAM	20000	50RB#0	18.21	PASS
Band4	10MHz	QPSK	20175	1RB#0	20.26	PASS
Band4	10MHz	16QAM	20175	1RB#0	19.63	PASS
Band4	10MHz	QPSK	20175	1RB#24	20.63	PASS
Band4	10MHz	16QAM	20175	1RB#24	19.99	PASS
Band4	10MHz	QPSK	20175	1RB#49	20.94	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.28	PASS
Band4	10MHz	QPSK	20175	25RB#0	19.67	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.09	PASS
Band4	10MHz	QPSK	20175	25RB#12	19.52	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.04	PASS
Band4	10MHz	QPSK	20175	25RB#25	19.94	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.36	PASS
Band4	10MHz	QPSK	20175	50RB#0	19.85	PASS
Band4	10MHz	16QAM	20175	50RB#0	19.12	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.82	PASS



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Band4	10MHz	16QAM	20350	1RB#0	20.98	PASS
Band4	10MHz	QPSK	20350	1RB#24	20.66	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.77	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.76	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.30	PASS
Band4	10MHz	QPSK	20350	25RB#0	19.99	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.41	PASS
Band4	10MHz	QPSK	20350	25RB#12	19.99	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.45	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.02	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.24	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.01	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.25	PASS
Band4	15MHz	QPSK	20025	1RB#0	19.92	PASS
Band4	15MHz	16QAM	20025	1RB#0	19.34	PASS
Band4	15MHz	QPSK	20025	1RB#38	19.59	PASS
Band4	15MHz	16QAM	20025	1RB#38	19.07	PASS
Band4	15MHz	QPSK	20025	1RB#74	19.76	PASS
Band4	15MHz	16QAM	20025	1RB#74	19.21	PASS
Band4	15MHz	QPSK	20025	38RB#0	18.95	PASS
Band4	15MHz	16QAM	20025	38RB#0	18.95	PASS
Band4	15MHz	QPSK	20025	38RB#18	18.95	PASS
Band4	15MHz	16QAM	20025	38RB#18	18.95	PASS
Band4	15MHz	QPSK	20025	38RB#37	18.95	PASS
Band4	15MHz	16QAM	20025	38RB#37	18.95	PASS
Band4	15MHz	QPSK	20025	75RB#0	18.95	PASS
Band4	15MHz	16QAM	20025	75RB#0	18.23	PASS
Band4	15MHz	QPSK	20175	1RB#0	20.38	PASS
Band4	15MHz	16QAM	20175	1RB#0	19.72	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.06	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.28	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.33	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.62	PASS
Band4	15MHz	QPSK	20175	38RB#0	19.74	PASS
Band4	15MHz	16QAM	20175	38RB#0	19.73	PASS
Band4	15MHz	QPSK	20175	38RB#18	19.72	PASS
Band4	15MHz	16QAM	20175	38RB#18	19.72	PASS
Band4	15MHz	QPSK	20175	38RB#37	19.72	PASS
Band4	15MHz	16QAM	20175	38RB#37	19.72	PASS
Band4	15MHz	QPSK	20175	75RB#0	19.71	PASS



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Band4	15MHz	16QAM	20175	75RB#0	19.24	PASS
Band4	15MHz	QPSK	20325	1RB#0	20.86	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.83	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.74	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.67	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.63	PASS
Band4	15MHz	16QAM	20325	1RB#74	20.39	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.22	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.08	PASS
Band4	15MHz	QPSK	20325	38RB#18	19.93	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.08	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.12	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.02	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	19.34	PASS
Band4	20MHz	QPSK	20050	1RB#0	20.39	PASS
Band4	20MHz	16QAM	20050	1RB#0	19.36	PASS
Band4	20MHz	QPSK	20050	1RB#49	20.09	PASS
Band4	20MHz	16QAM	20050	1RB#49	19.12	PASS
Band4	20MHz	QPSK	20050	1RB#99	20.72	PASS
Band4	20MHz	16QAM	20050	1RB#99	19.64	PASS
Band4	20MHz	QPSK	20050	50RB#0	18.95	PASS
Band4	20MHz	16QAM	20050	50RB#0	18.31	PASS
Band4	20MHz	QPSK	20050	50RB#25	18.89	PASS
Band4	20MHz	16QAM	20050	50RB#25	18.31	PASS
Band4	20MHz	QPSK	20050	50RB#50	19.11	PASS
Band4	20MHz	16QAM	20050	50RB#50	18.49	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.88	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.32	PASS
Band4	20MHz	QPSK	20175	1RB#0	19.84	PASS
Band4	20MHz	16QAM	20175	1RB#0	19.97	PASS
Band4	20MHz	QPSK	20175	1RB#49	20.59	PASS
Band4	20MHz	16QAM	20175	1RB#49	20.48	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.26	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.92	PASS
Band4	20MHz	QPSK	20175	50RB#0	19.49	PASS
Band4	20MHz	16QAM	20175	50RB#0	18.79	PASS
Band4	20MHz	QPSK	20175	50RB#25	19.48	PASS
Band4	20MHz	16QAM	20175	50RB#25	18.79	PASS
Band4	20MHz	QPSK	20175	50RB#50	20.11	PASS



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Band4	20MHz	16QAM	20175	50RB#50	19.35	PASS
Band4	20MHz	QPSK	20175	100RB#0	19.89	PASS
Band4	20MHz	16QAM	20175	100RB#0	19.15	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.06	PASS
Band4	20MHz	16QAM	20300	1RB#0	19.79	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.15	PASS
Band4	20MHz	16QAM	20300	1RB#49	19.83	PASS
Band4	20MHz	QPSK	20300	1RB#99	20.94	PASS
Band4	20MHz	16QAM	20300	1RB#99	19.57	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.16	PASS
Band4	20MHz	16QAM	20300	50RB#0	19.63	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.13	PASS
Band4	20MHz	16QAM	20300	50RB#25	19.62	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.05	PASS
Band4	20MHz	16QAM	20300	50RB#50	19.55	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.08	PASS
Band4	20MHz	16QAM	20300	100RB#0	19.42	PASS





B.2 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	3.59	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.16	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	3.84	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	4.30	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.74	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.35	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.36	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3.82	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.26	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	4.91	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.54	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.23	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.34	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	4.99	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.02	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.72	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.77	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.47	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.42	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.14	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.25	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	4.90	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	3.66	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.37	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.90	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.43	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.18	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.02	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.11	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.71	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	3.40	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.24	13	PASS



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Band4	5MHz	QPSK	20375	25RB#0	4.74	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.32	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	3.63	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.21	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.00	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.59	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.25	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.87	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.13	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.75	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.31	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.19	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.73	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.61	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.25	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.32	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.76	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.25	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.86	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.34	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.84	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.55	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.14	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.00	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.46	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	3.25	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.13	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.08	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.71	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	3.96	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.87	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.08	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.73	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	3.57	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	4.16	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.77	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.36	13	PASS



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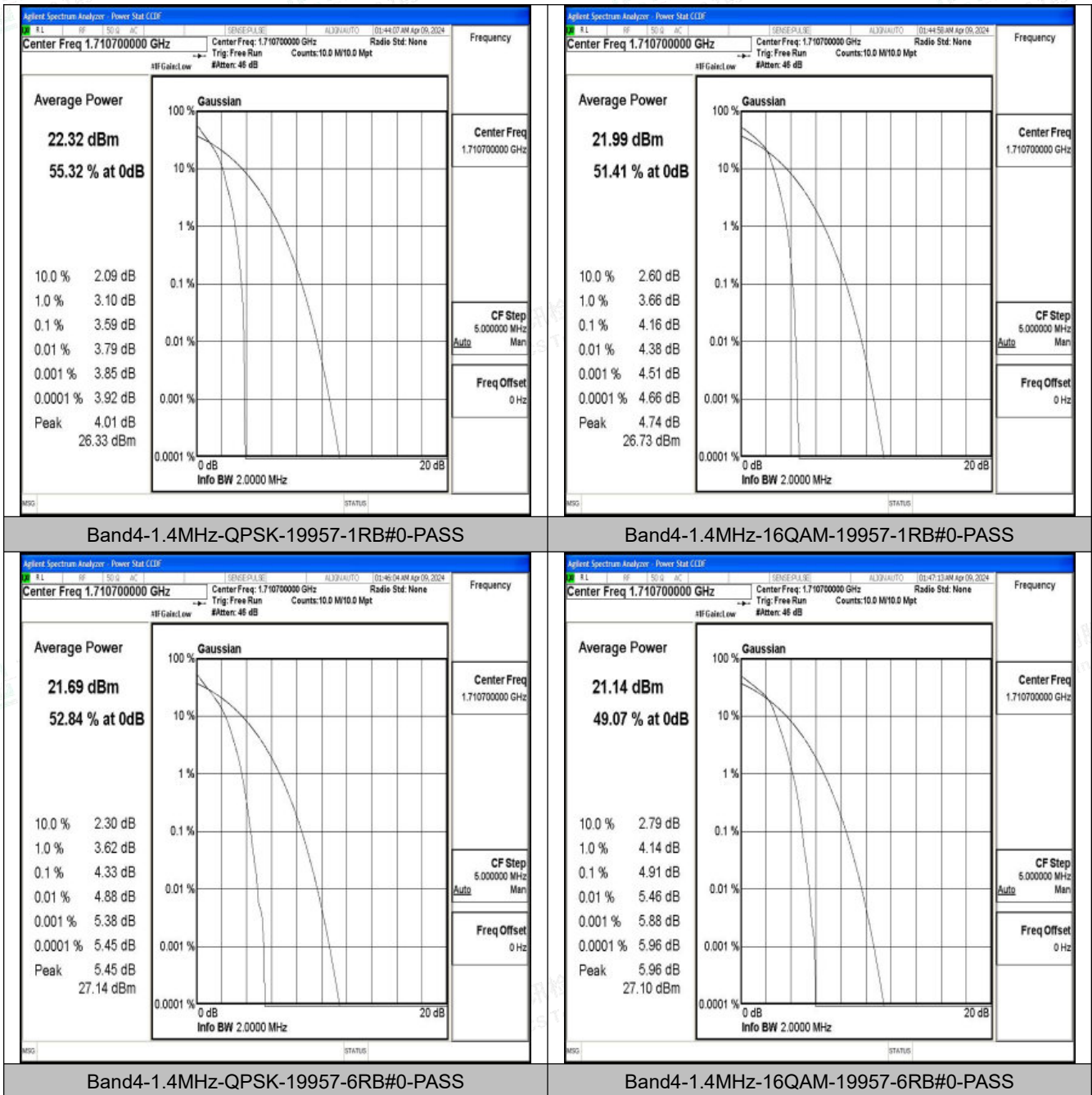
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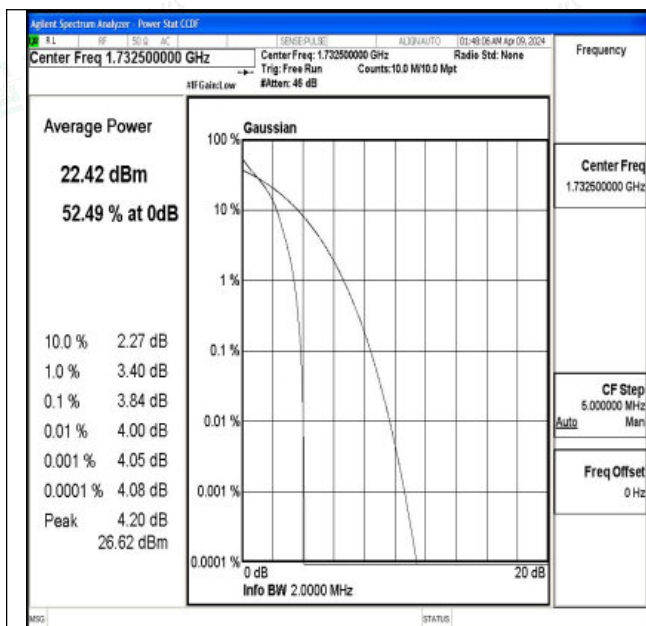
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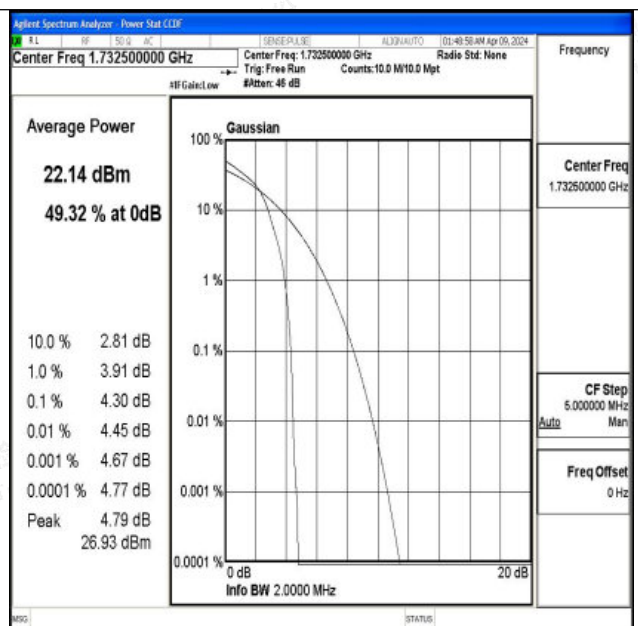


Test Graphs

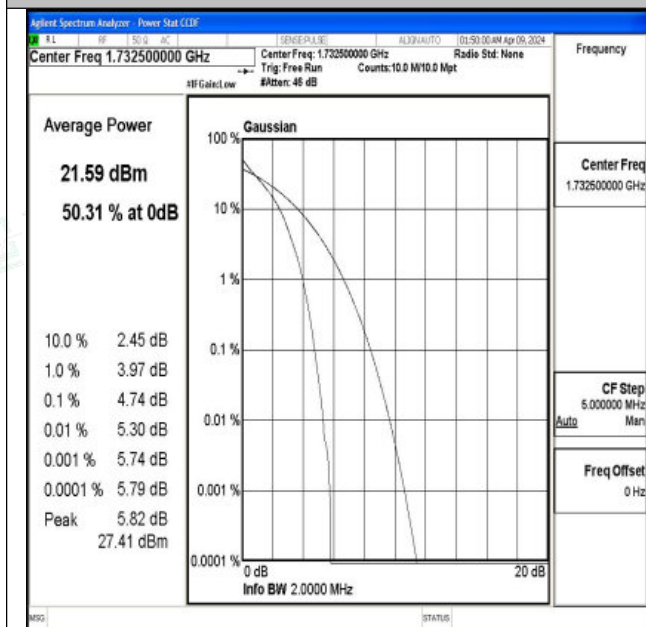




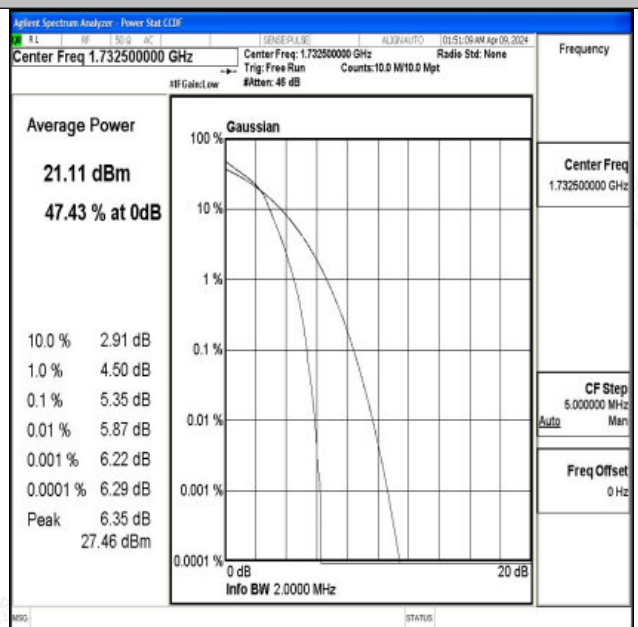
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Band4-1.4MHz-16QAM-20175-1RB#0-PASS



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



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

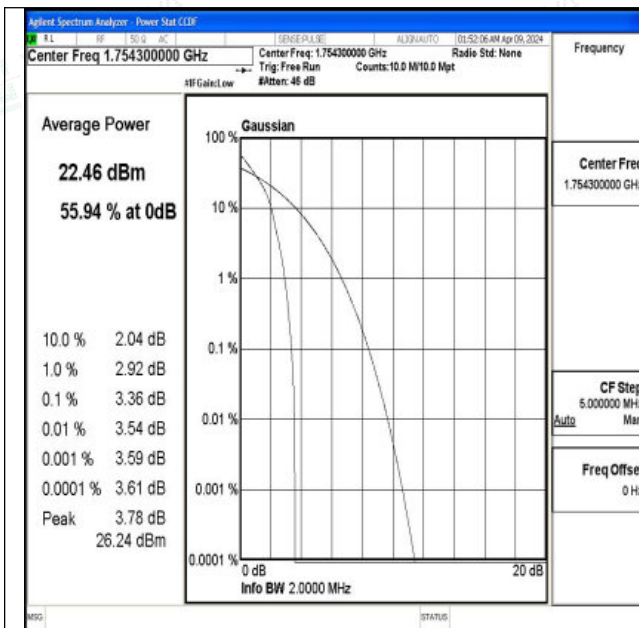


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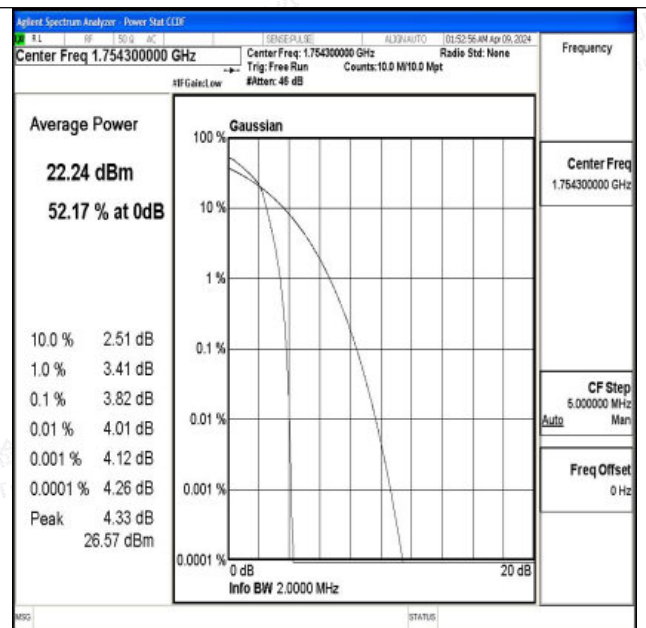
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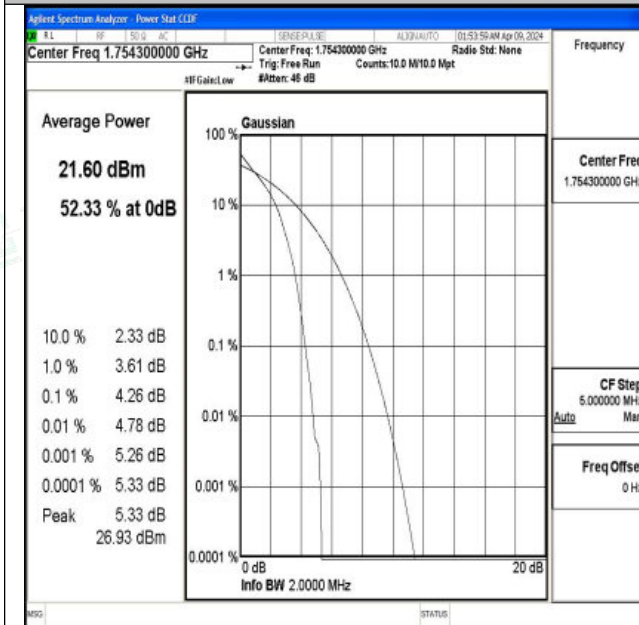
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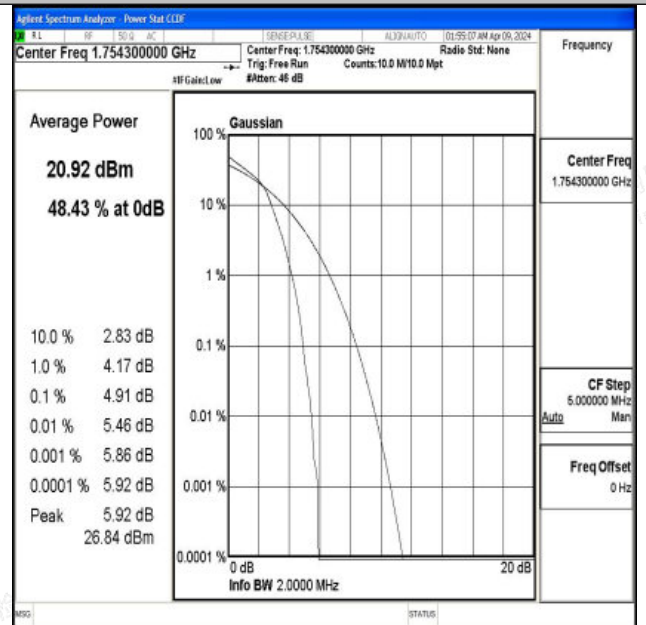
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Band4-1.4MHz-16QAM-20393-1RB#0-PASS



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



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

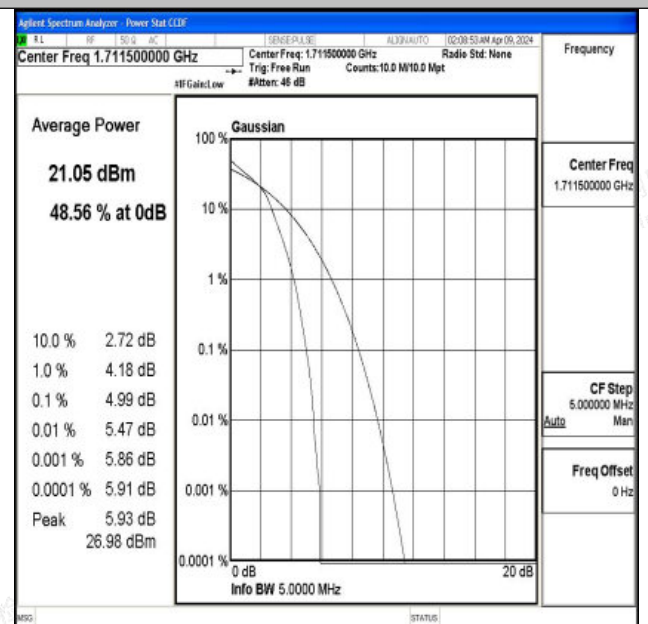
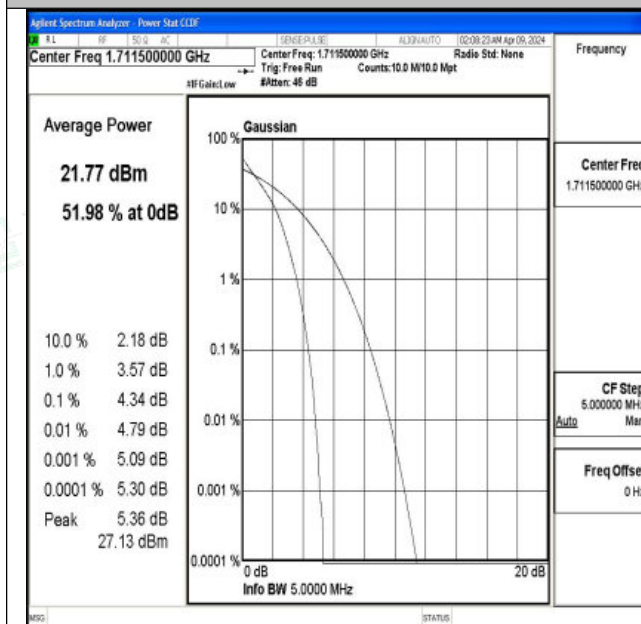
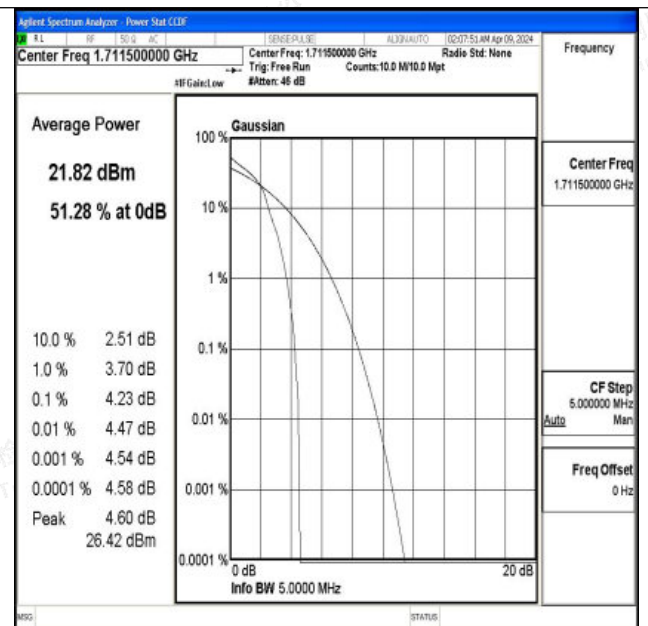
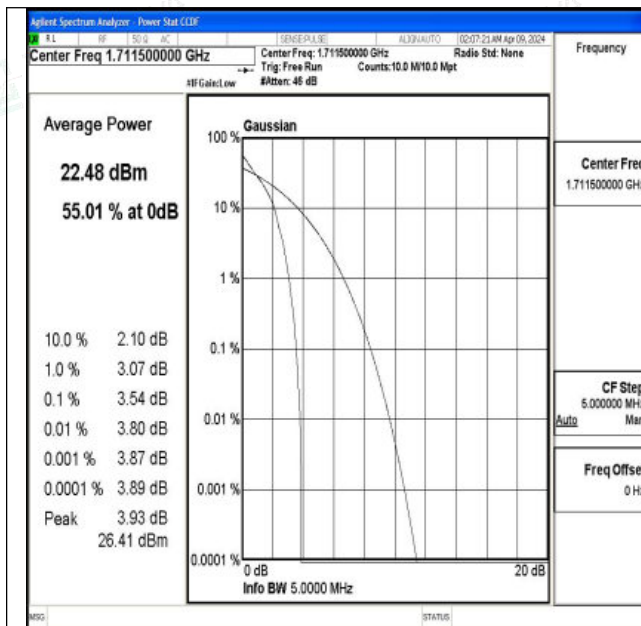


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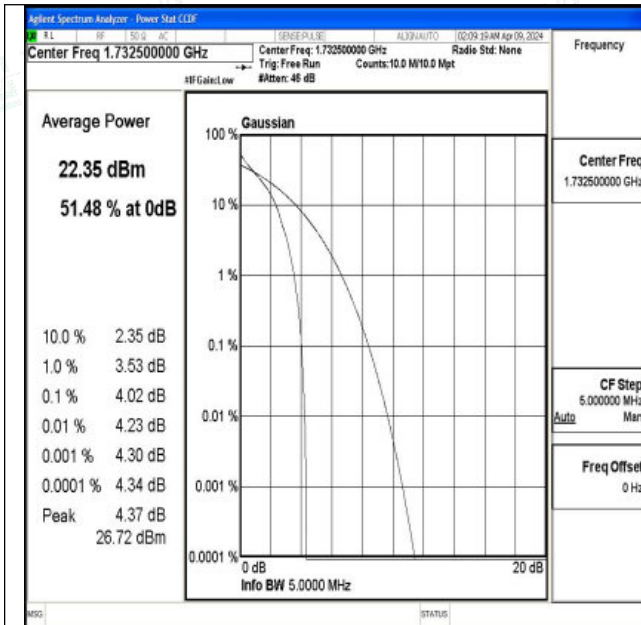


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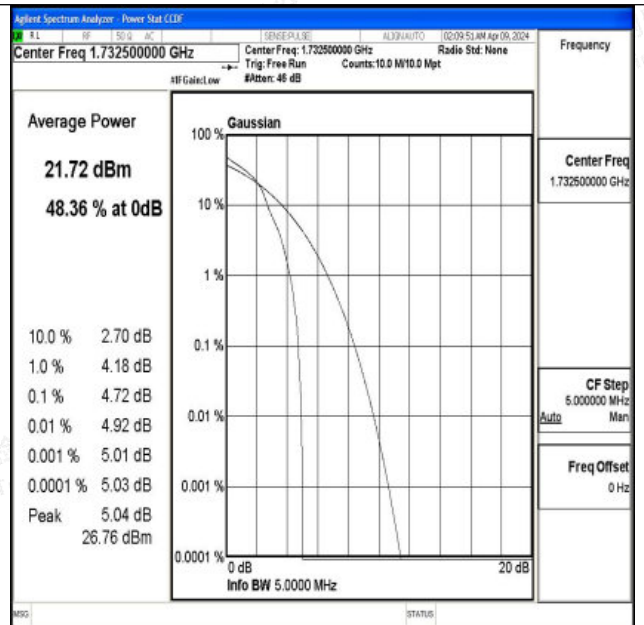
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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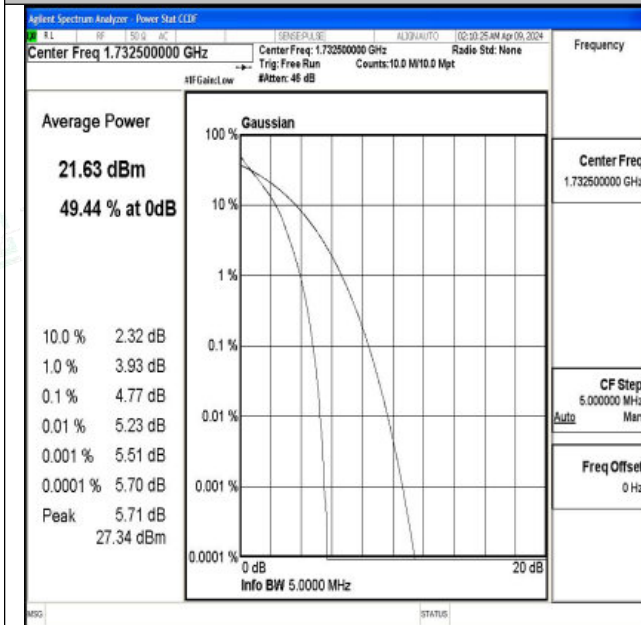
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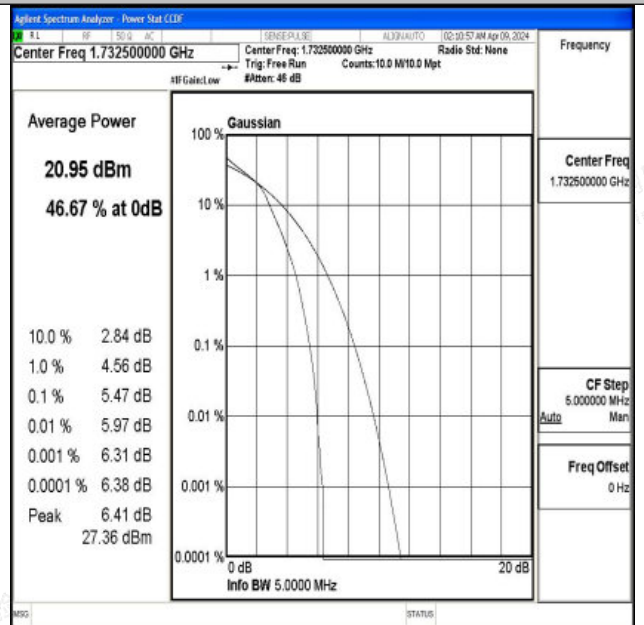
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Band4-3MHz-16QAM-20175-1RB#0-PASS



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



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

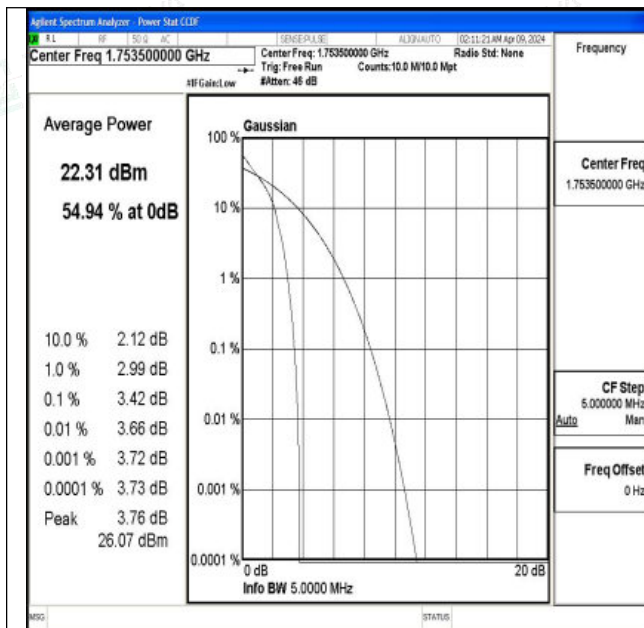


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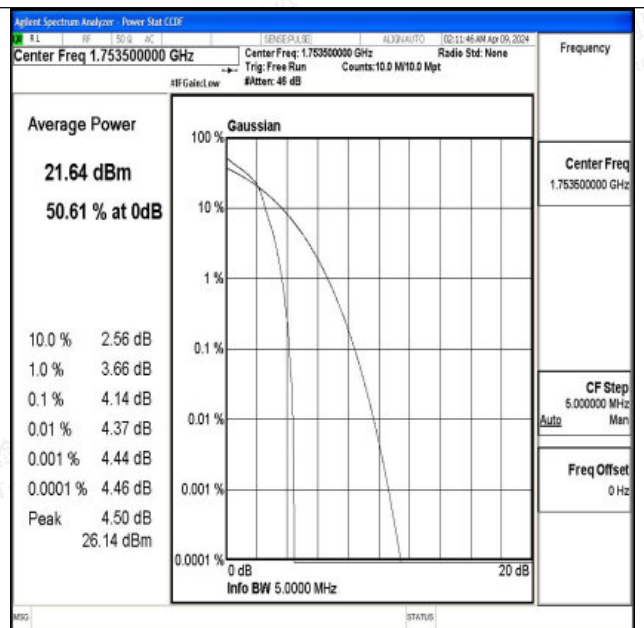
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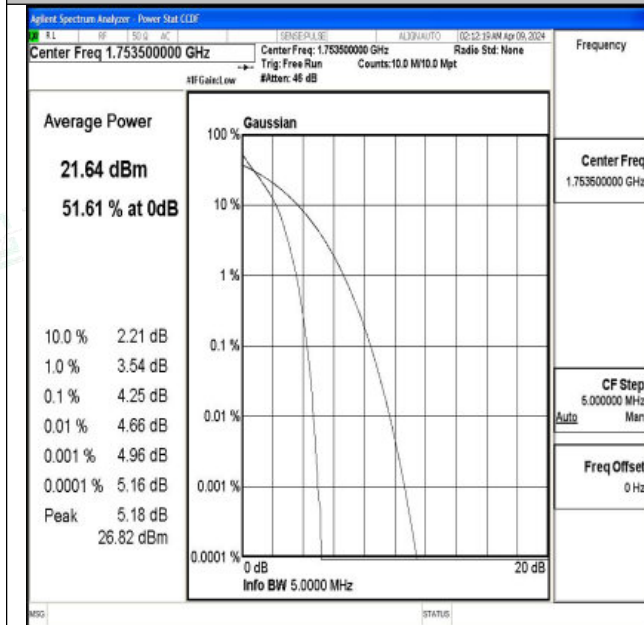
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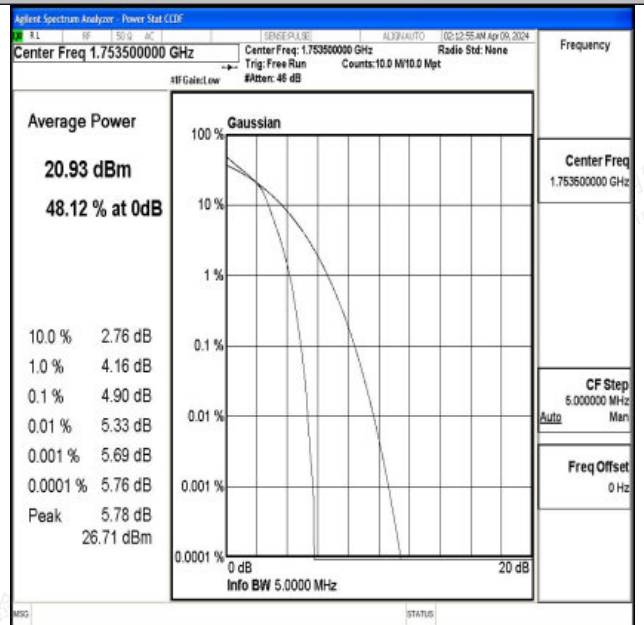
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Band4-3MHz-QPSK-20385-15RB#0-PASS



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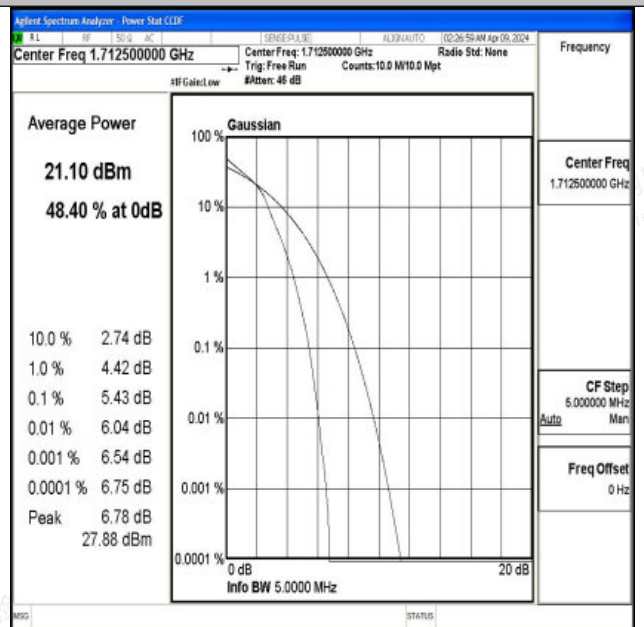
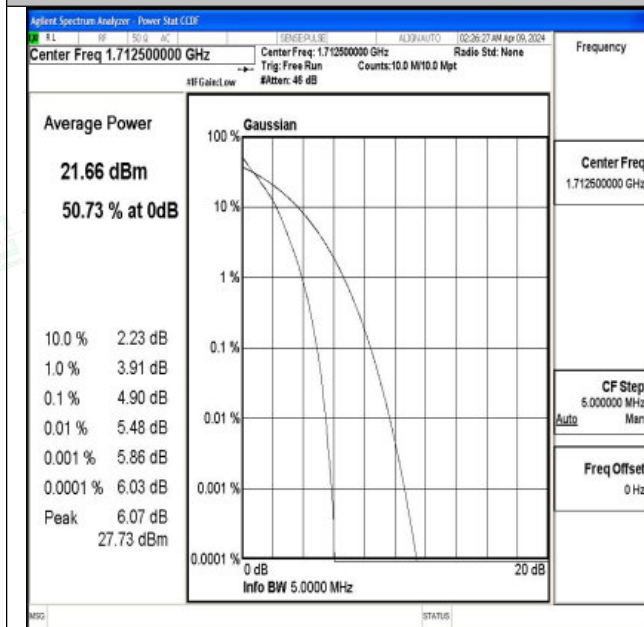
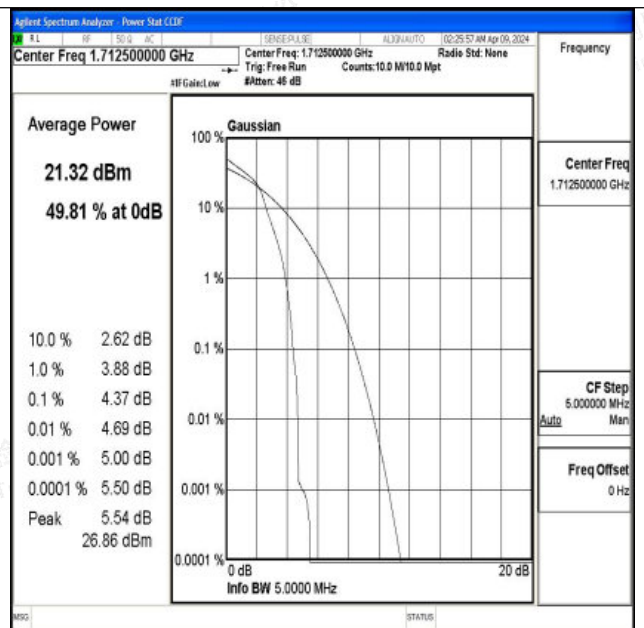
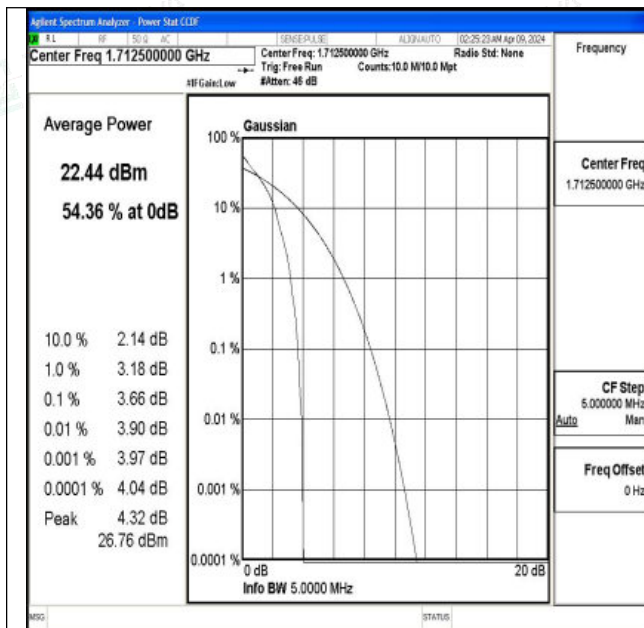


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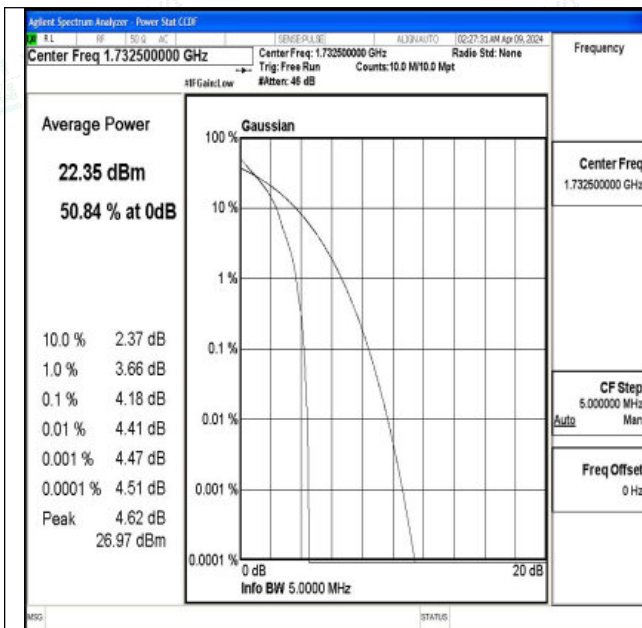


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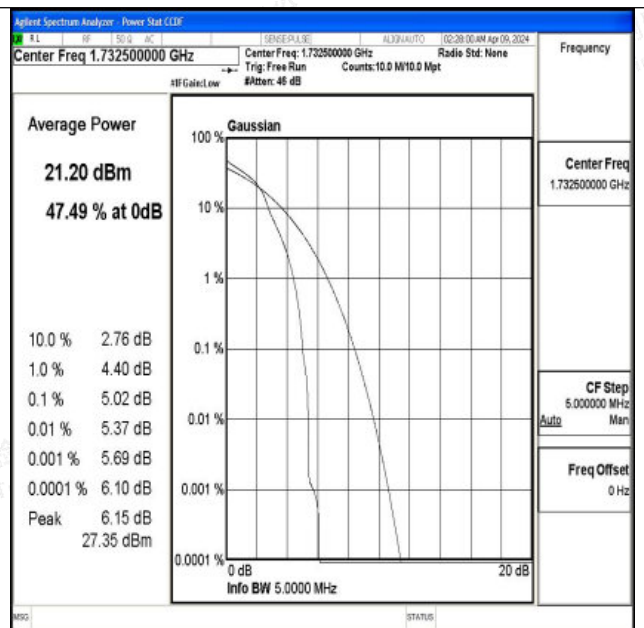
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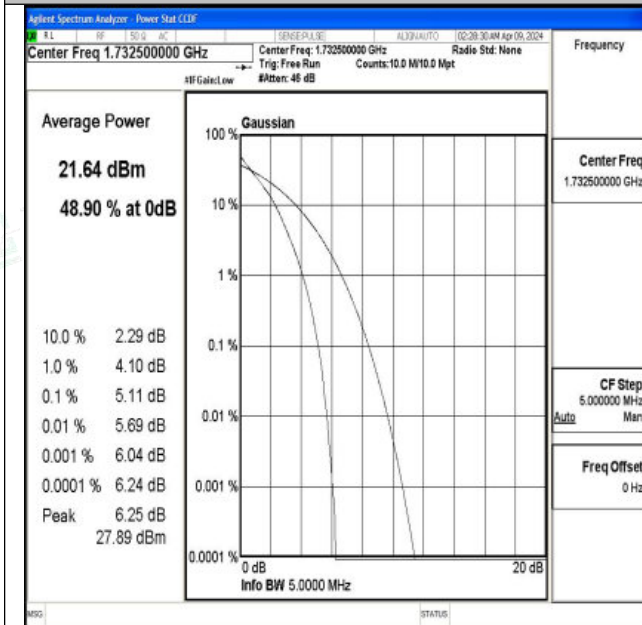
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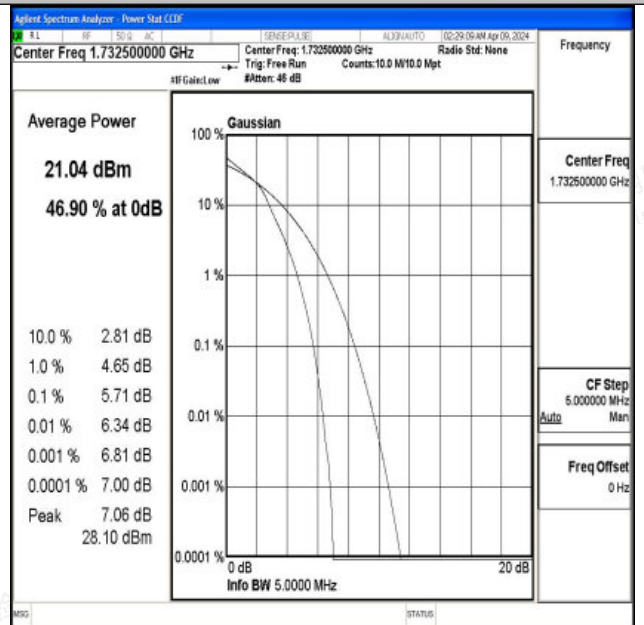
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Band4-5MHz-16QAM-20175-1RB#0-PASS

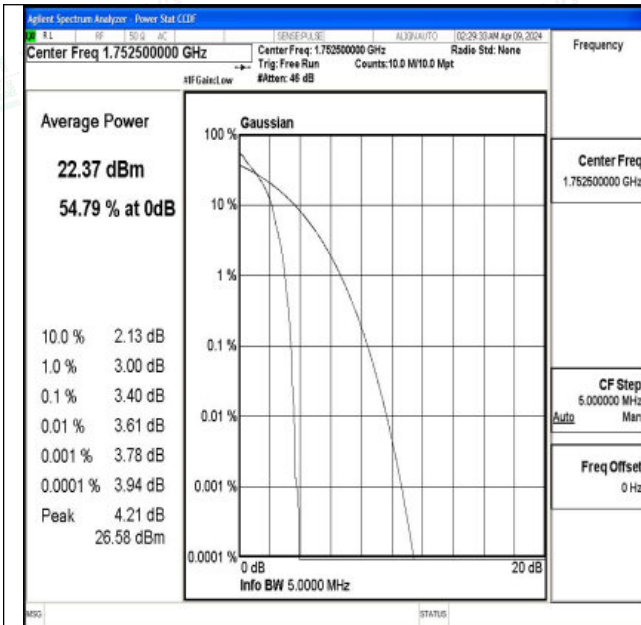


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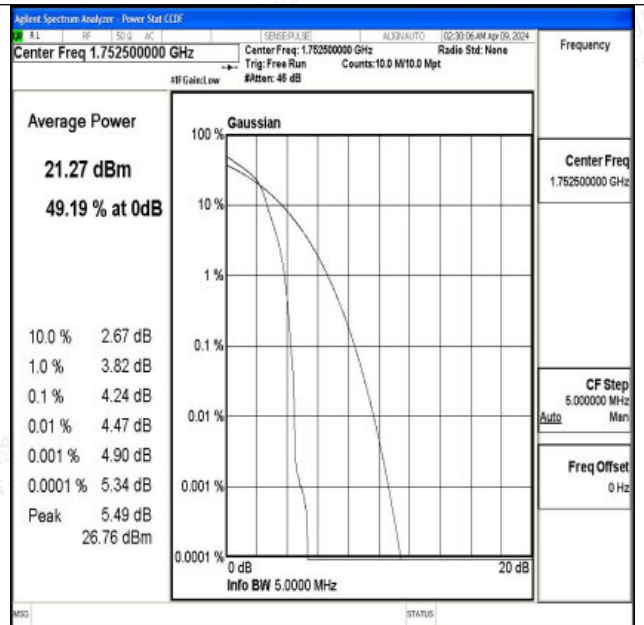


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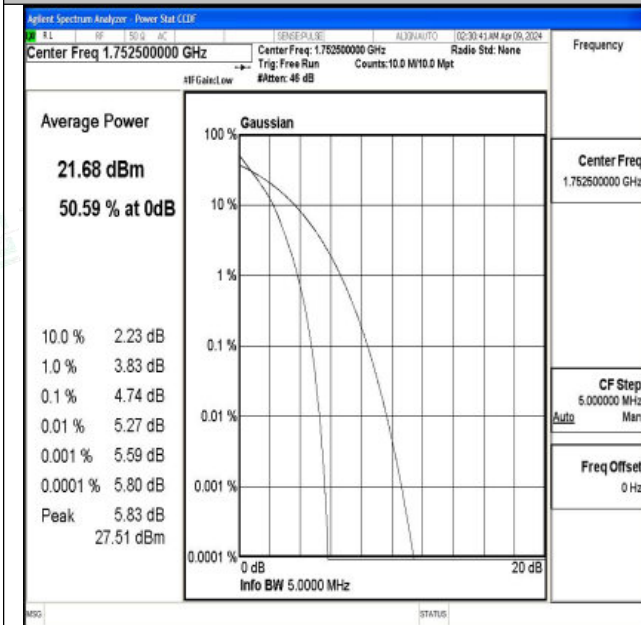




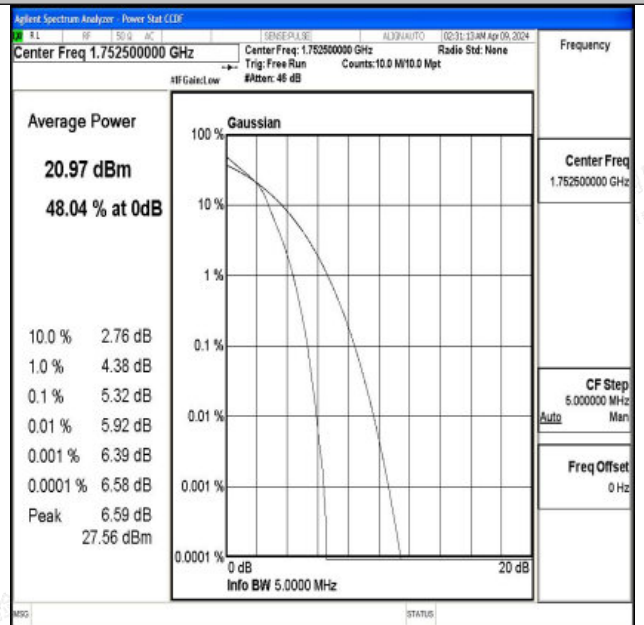
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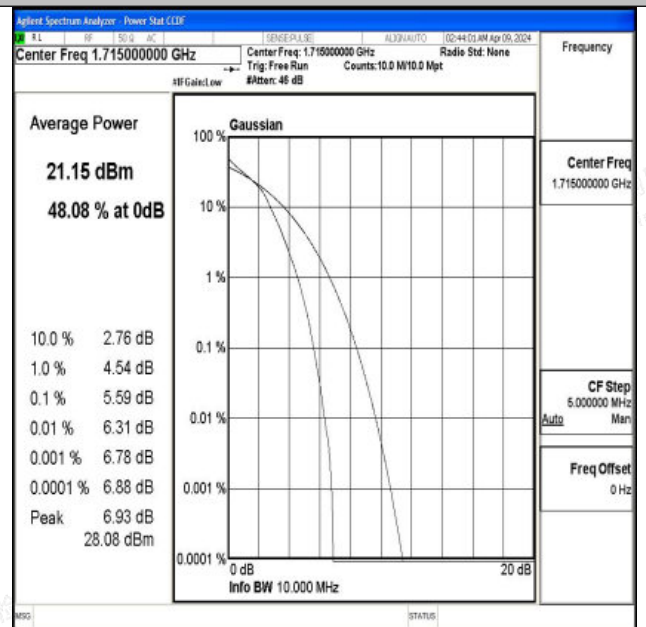
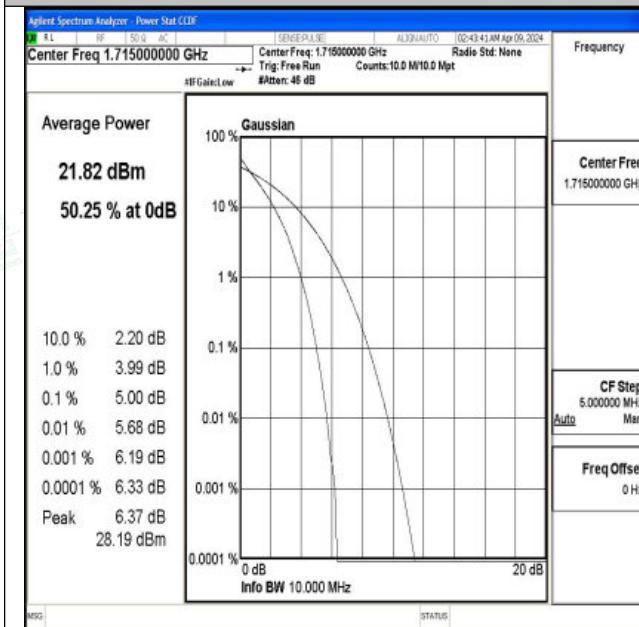
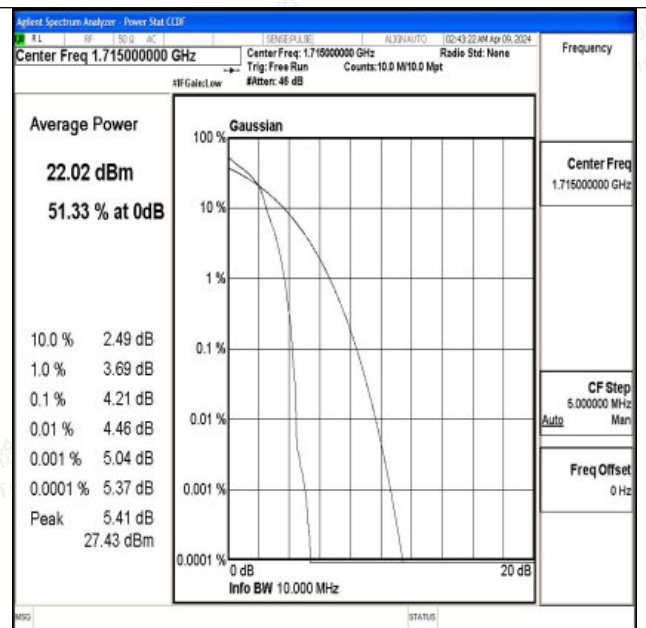
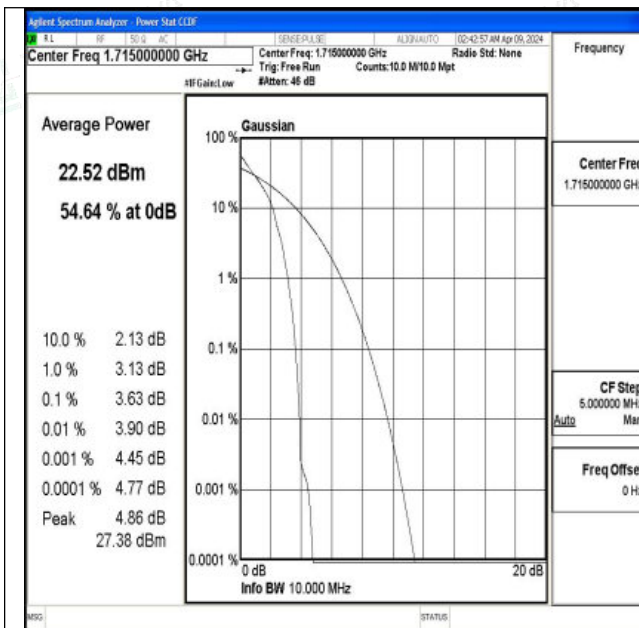


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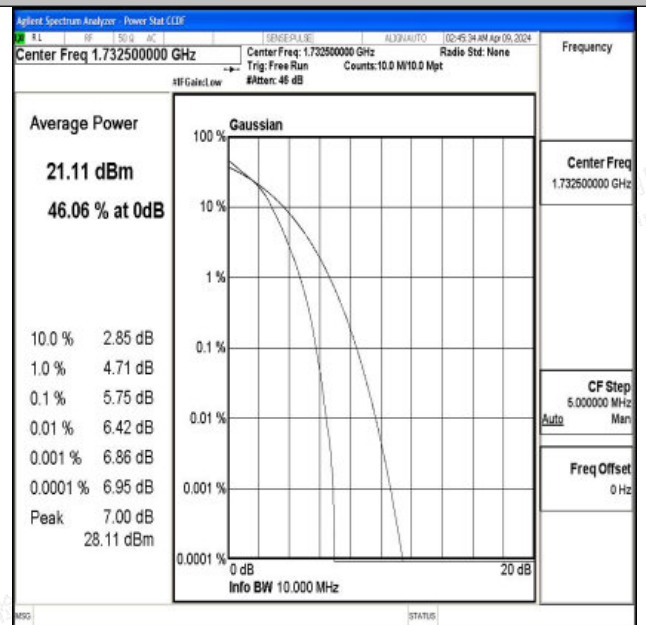
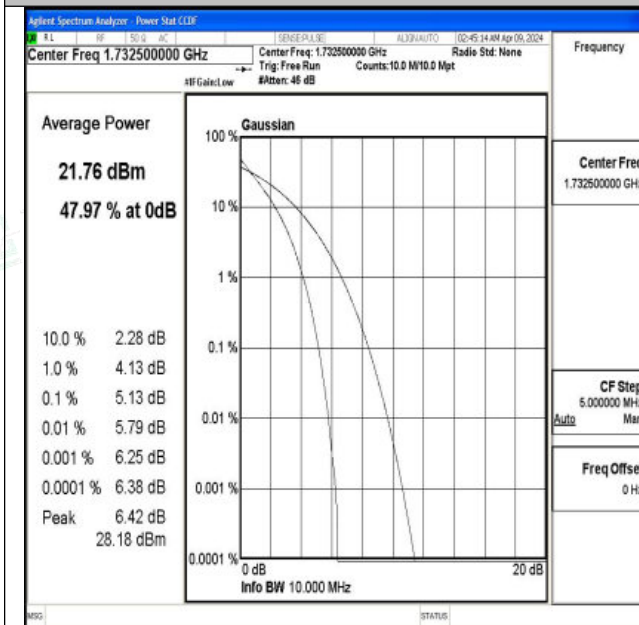
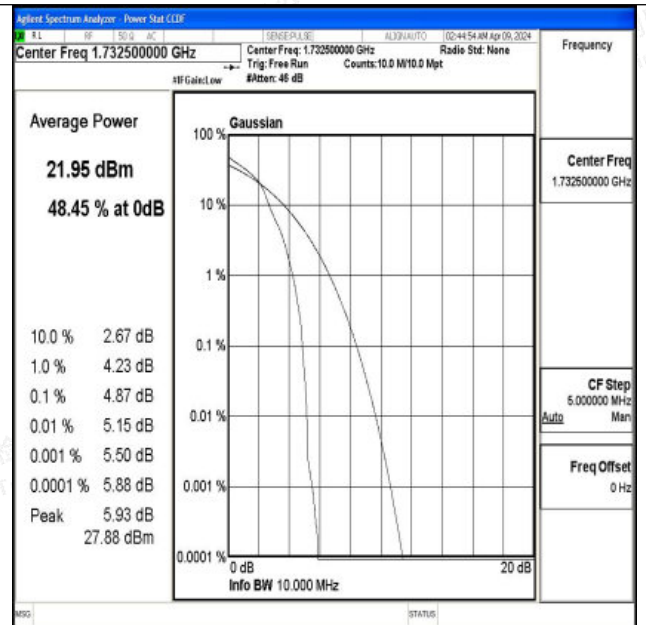
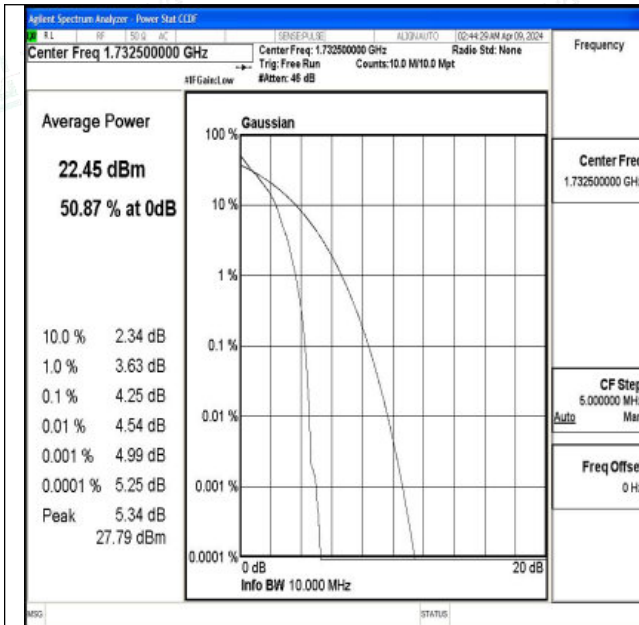


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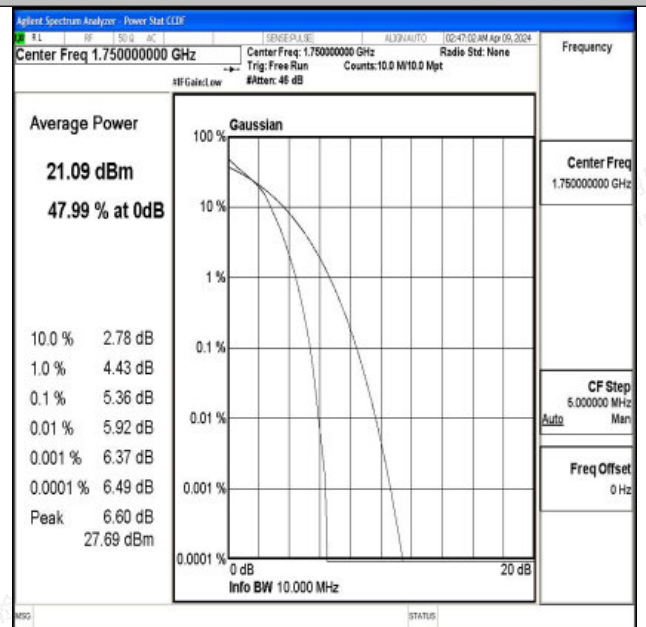
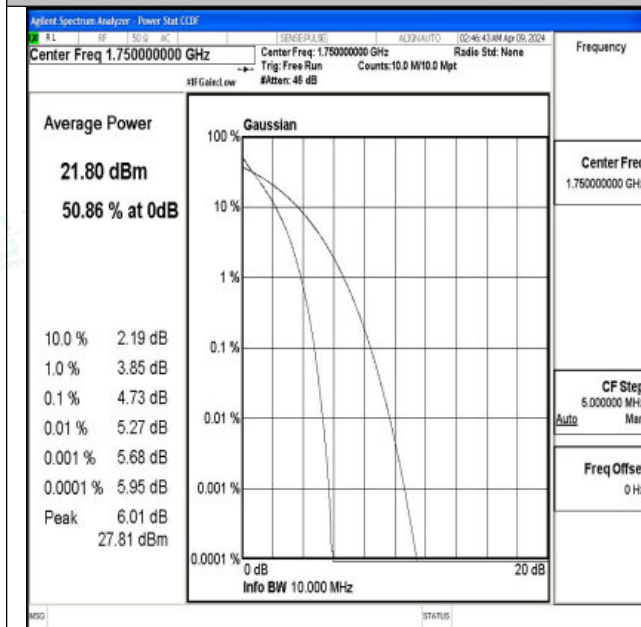
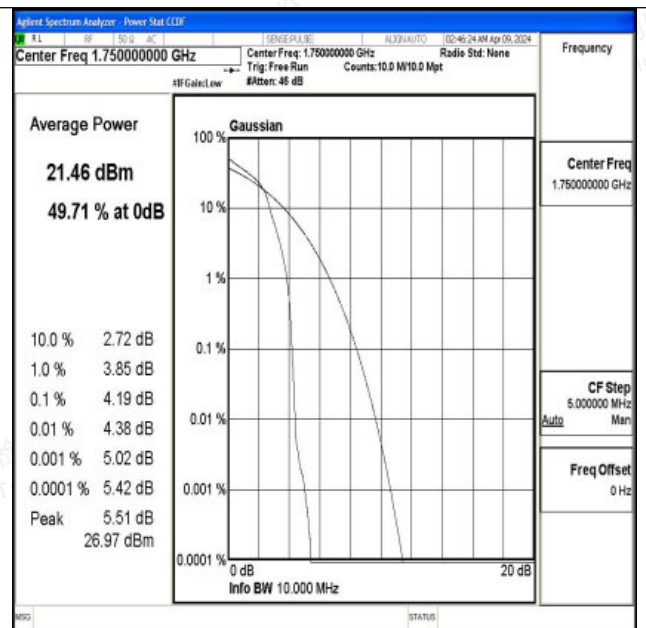
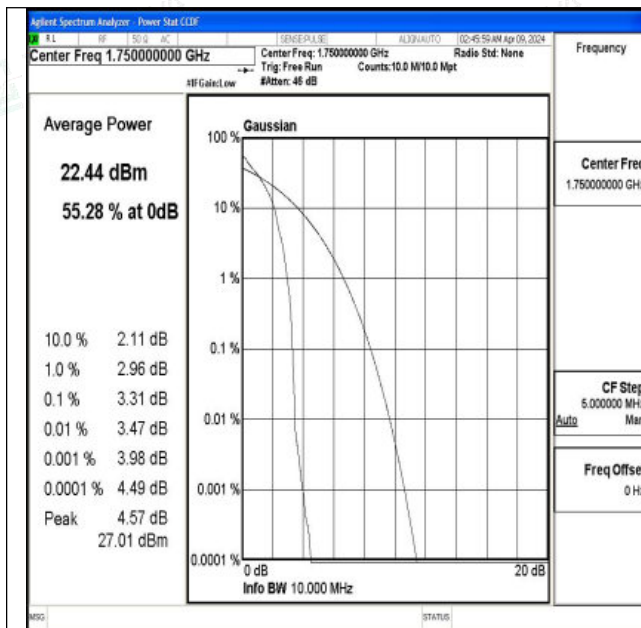


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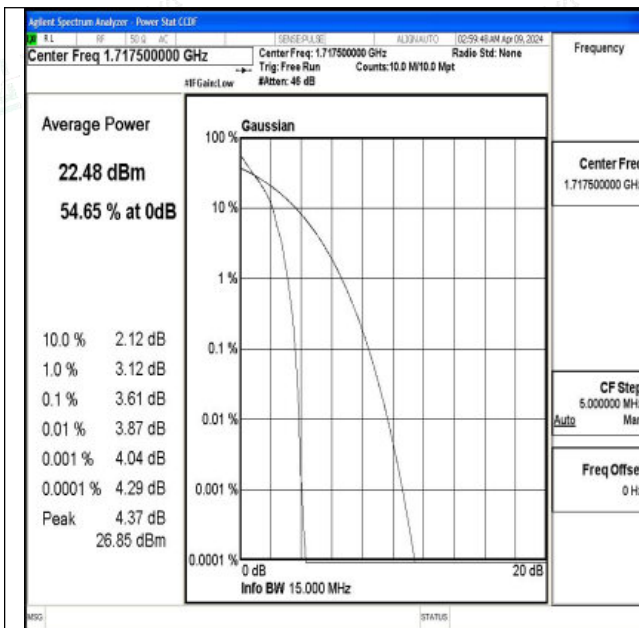


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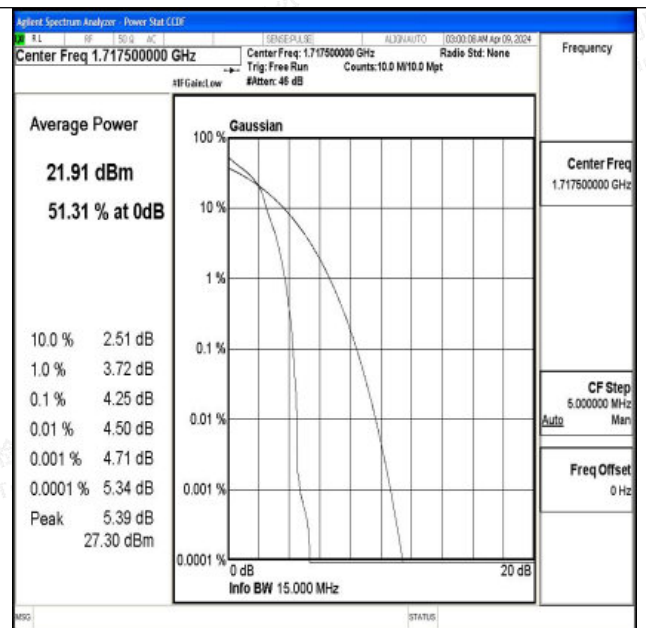
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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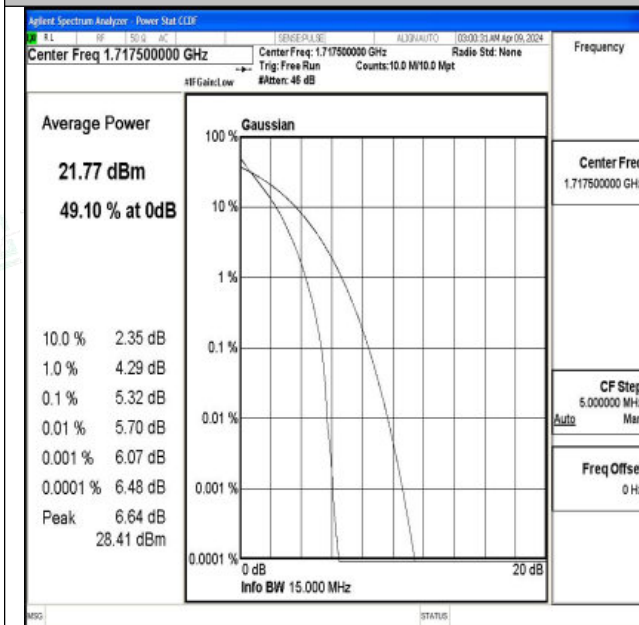
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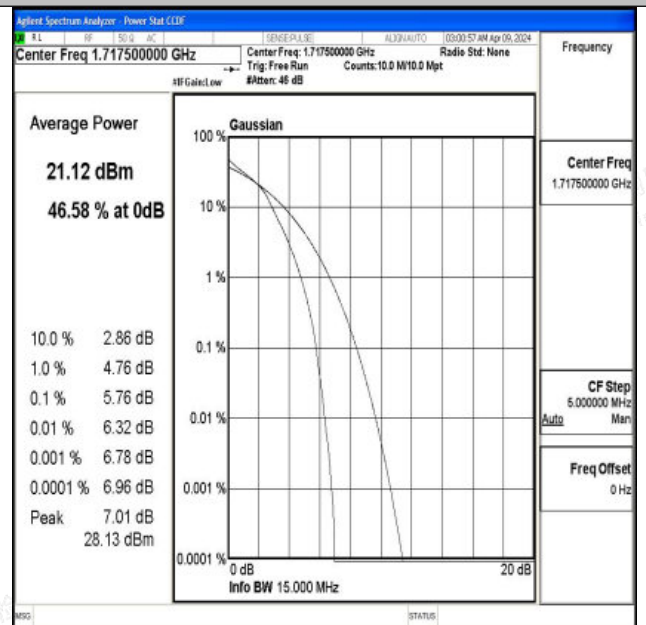
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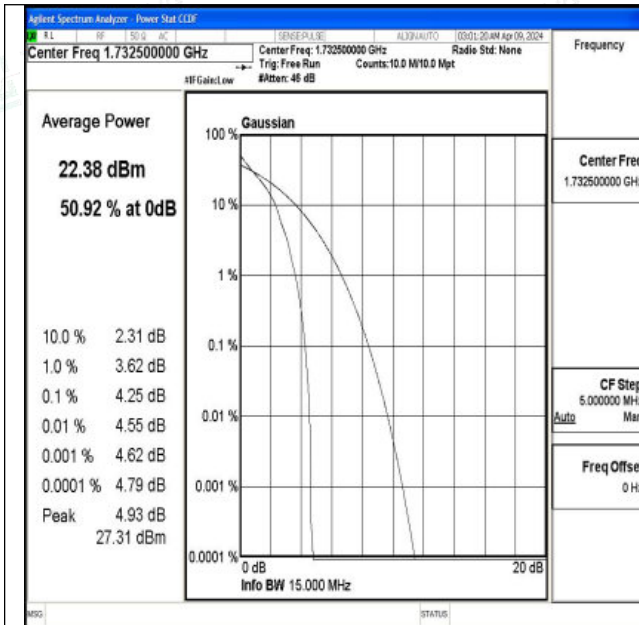


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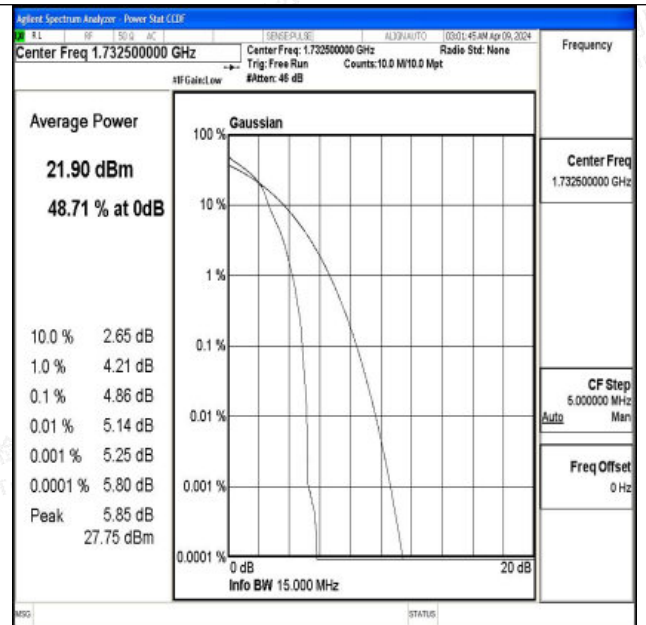


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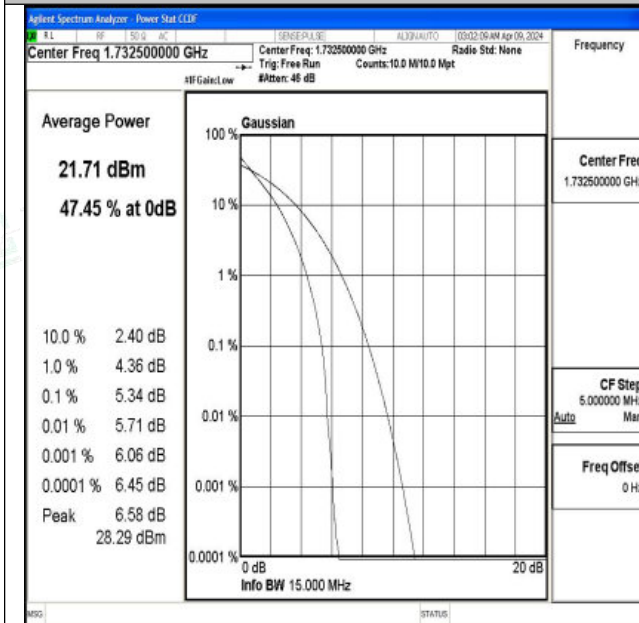




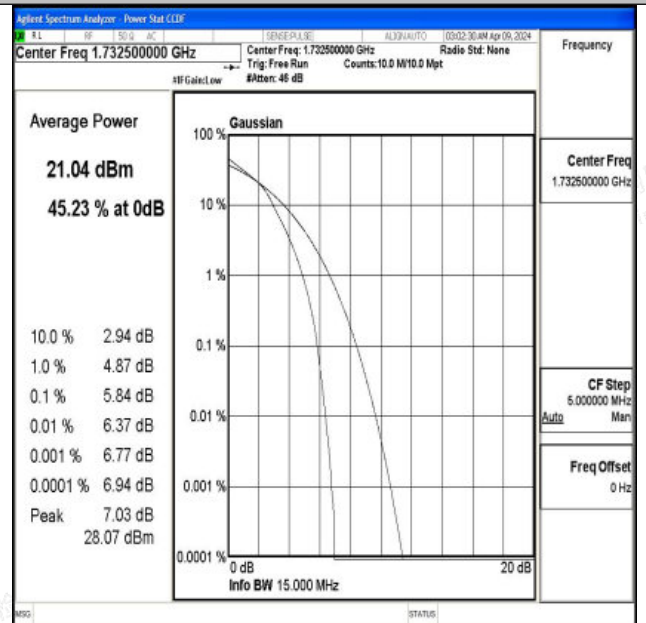
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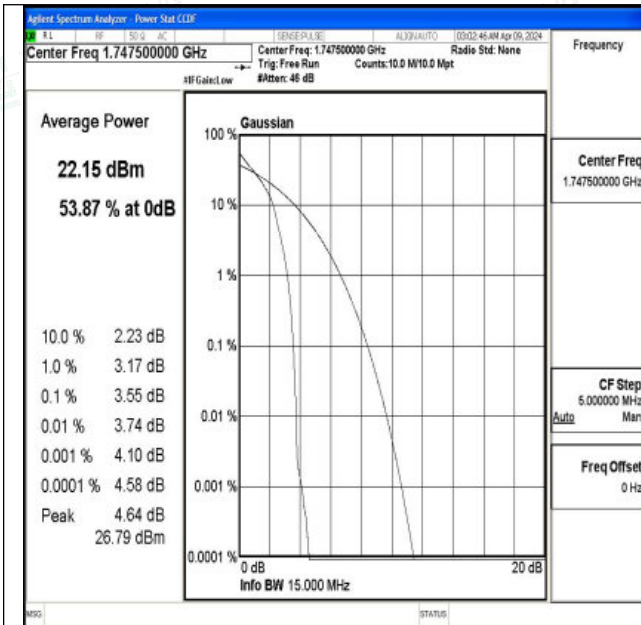


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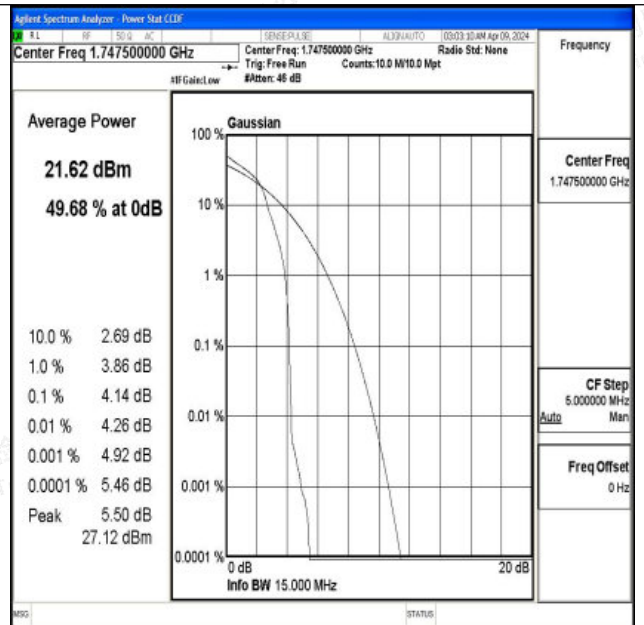
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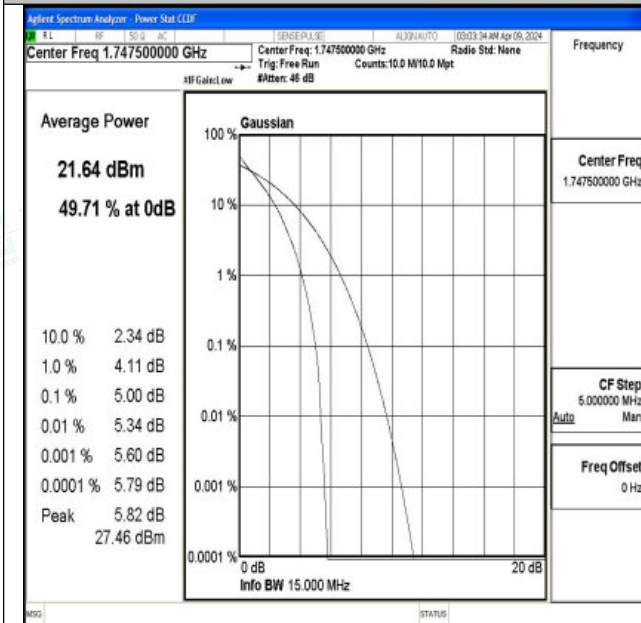
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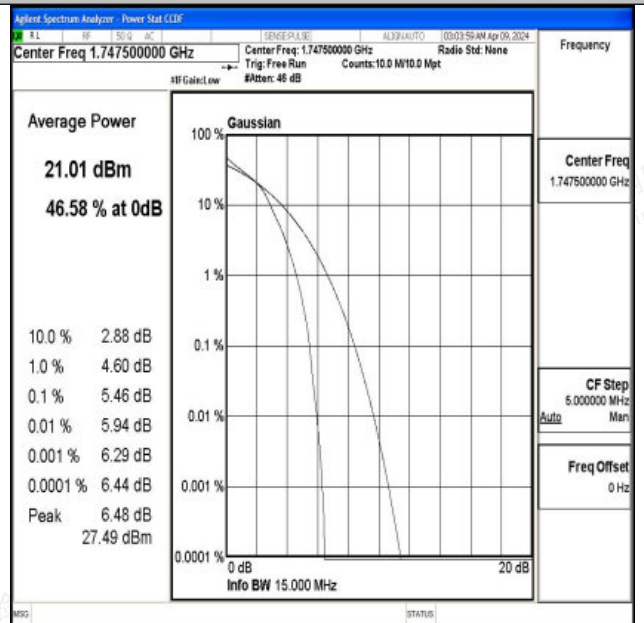
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Band4-15MHz-16QAM-20325-75RB#0-PASS

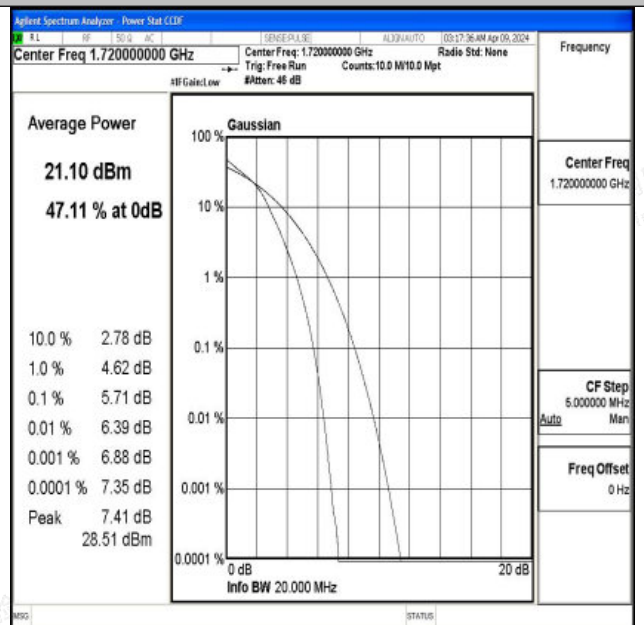
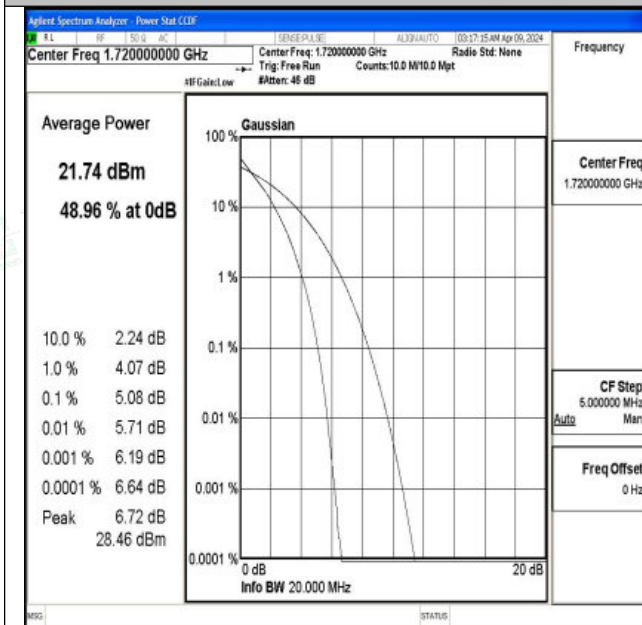
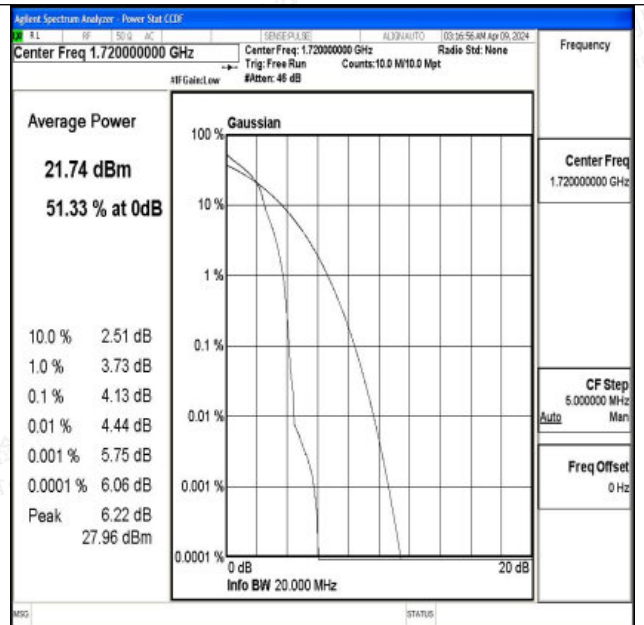
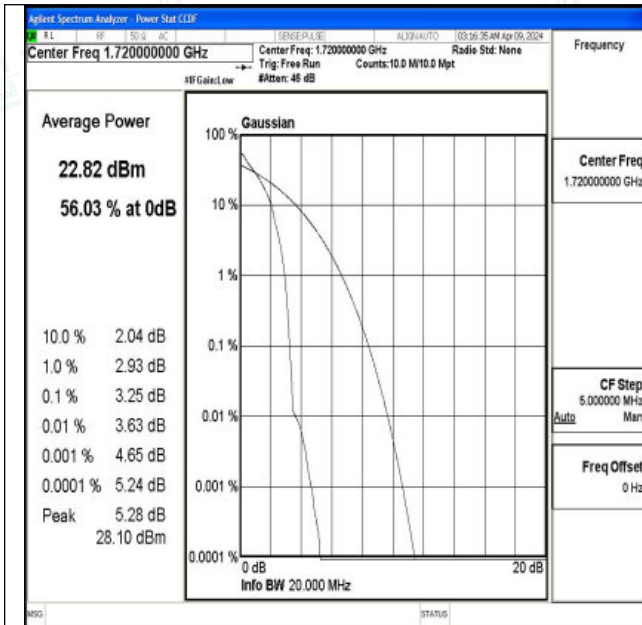


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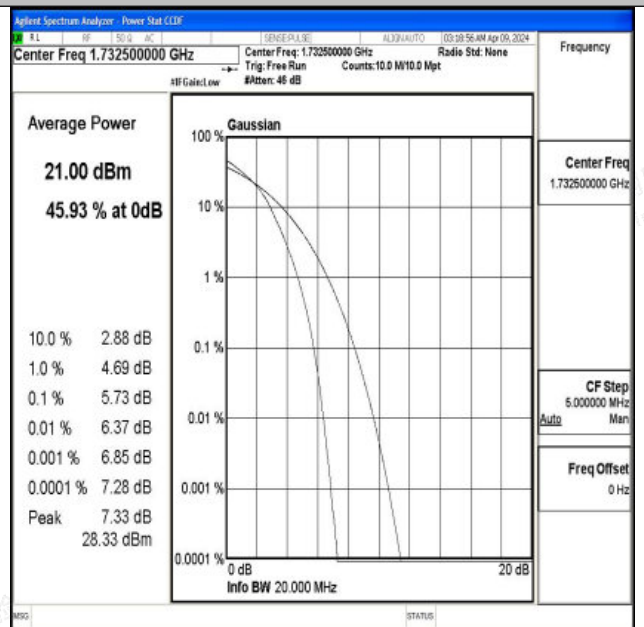
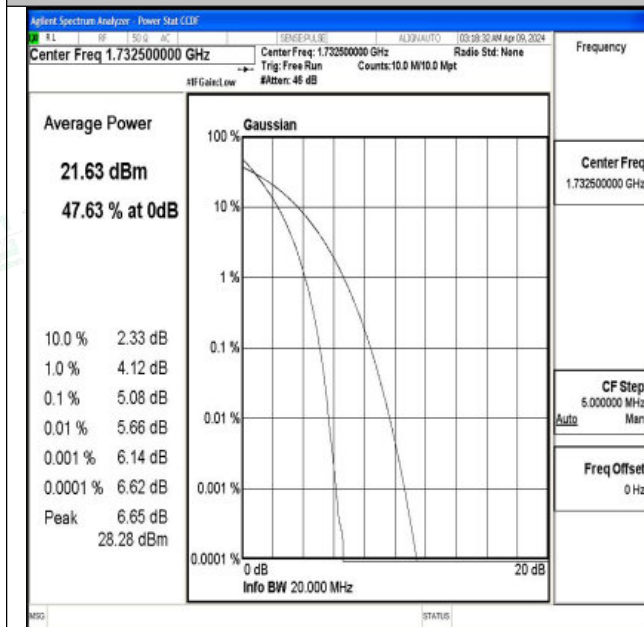
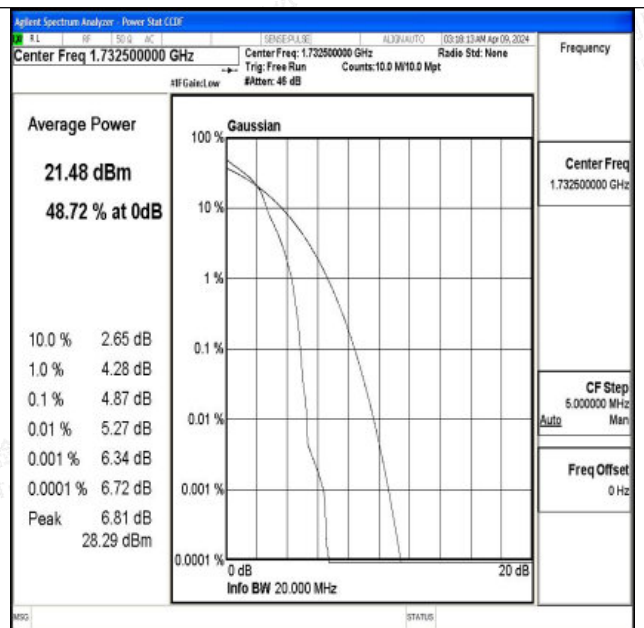
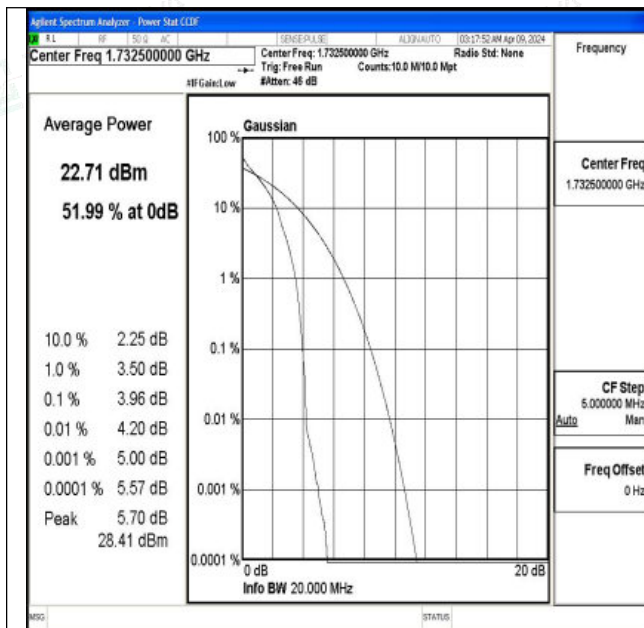


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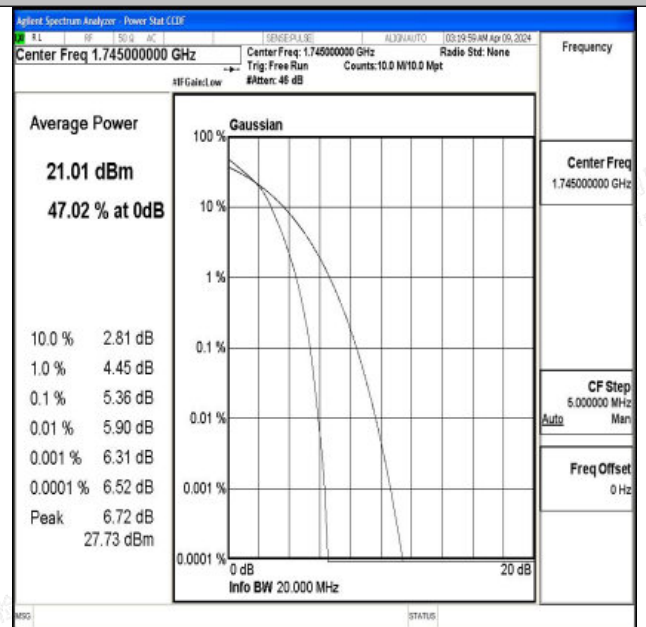
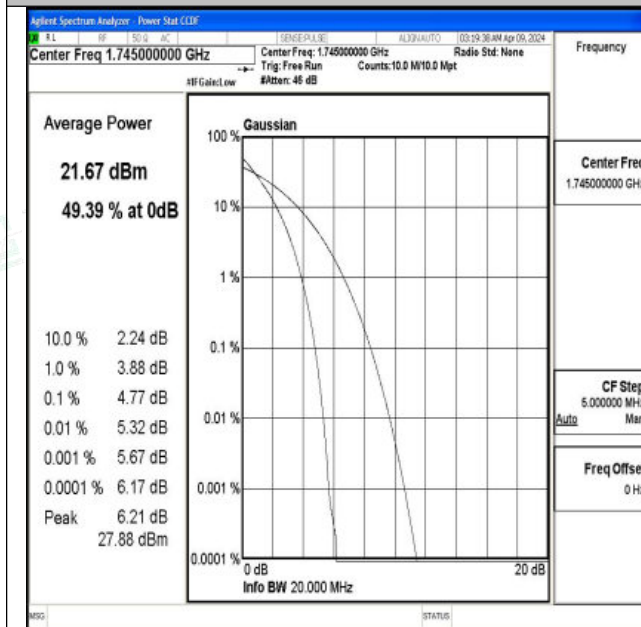
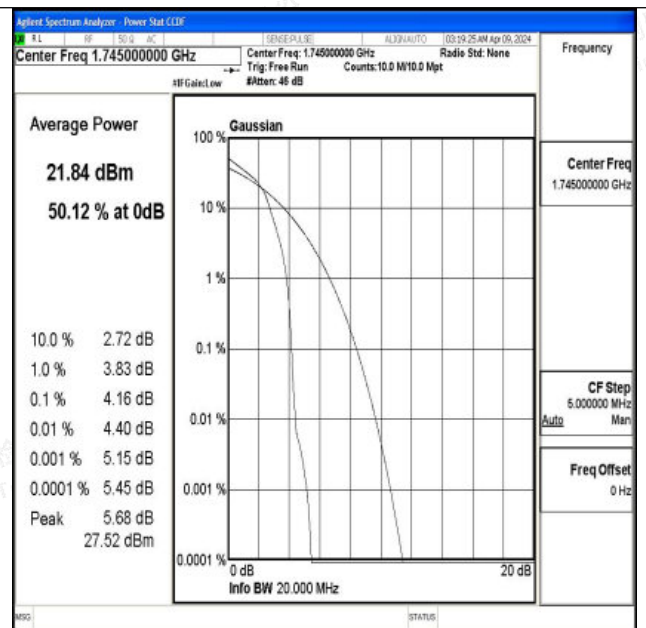
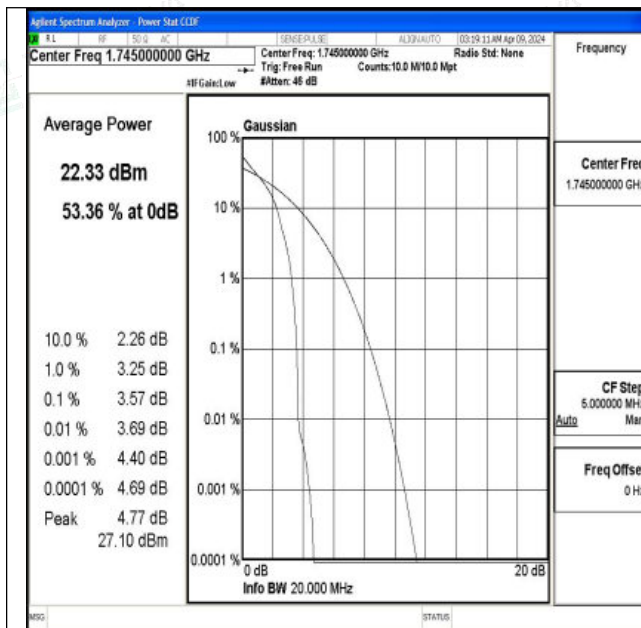


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B.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0976	1.344	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1098	1.380	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0973	1.425	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1029	1.381	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0988	1.318	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1038	1.474	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7059	3.153	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7041	3.131	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7215	3.144	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7074	3.097	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7133	3.308	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7087	3.136	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5405	5.451	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5298	5.334	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5216	5.301	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5346	5.294	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5397	5.300	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5176	5.312	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0130	10.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0264	10.23	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9929	10.03	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9923	10.04	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9883	10.47	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0169	10.07	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.540	15.37	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.503	14.97	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.545	15.16	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.495	14.93	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.533	15.62	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.522	15.07	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.008	20.04	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.070	19.96	PASS



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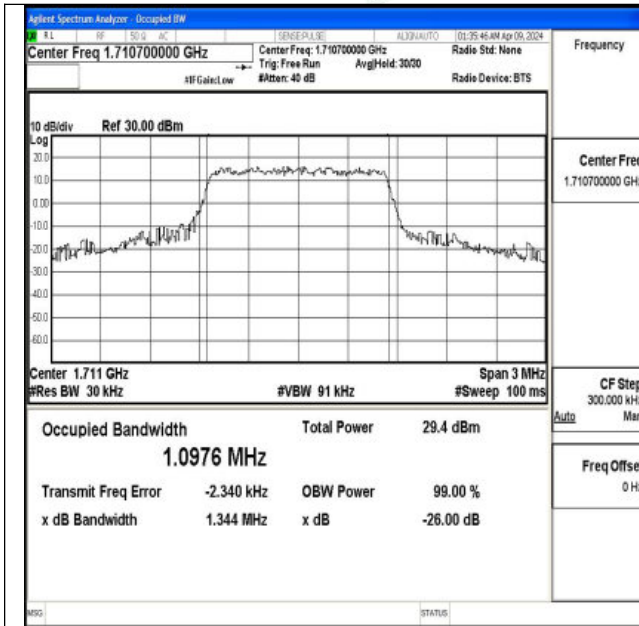
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Band4	20MHz	16QAM	20175	100RB#0	18.080	20.04	PASS
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Band4	20MHz	16QAM	20300	100RB#0	18.037	20.44	PASS



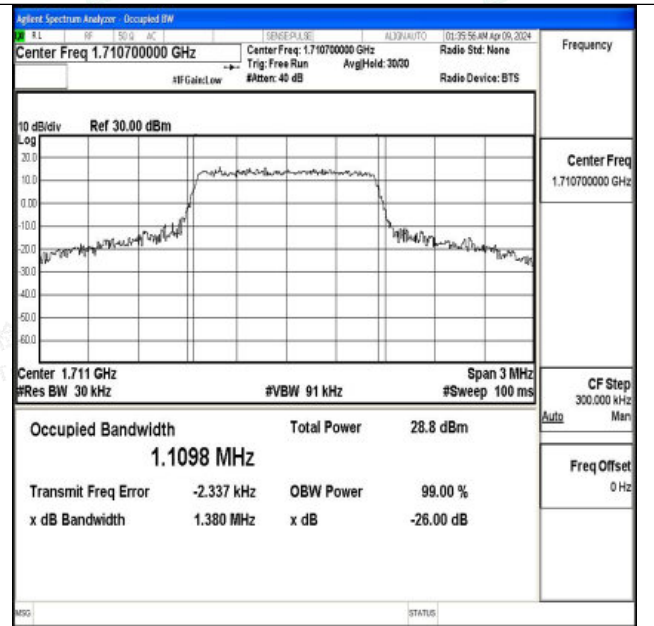
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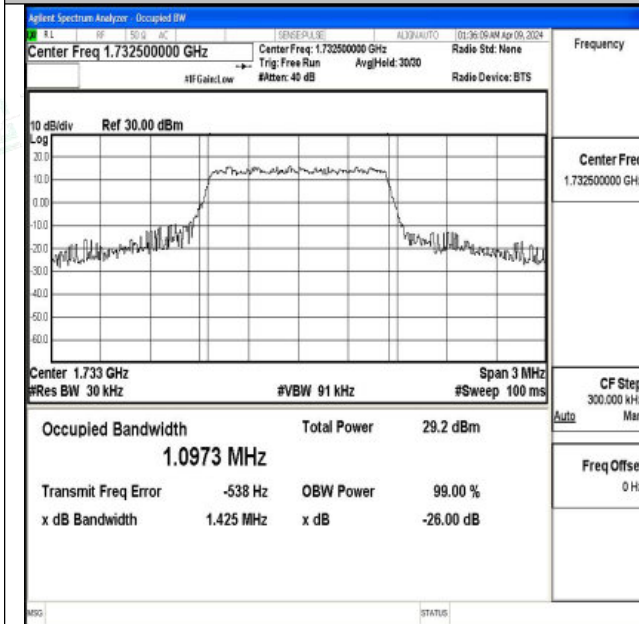
Test Graphs



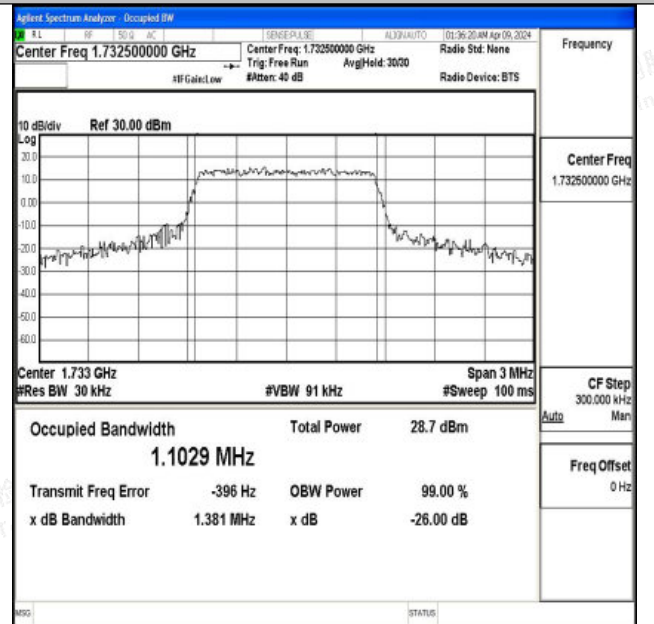
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Band4-1.4MHz-16QAM-19957-6RB#0-PASS



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



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

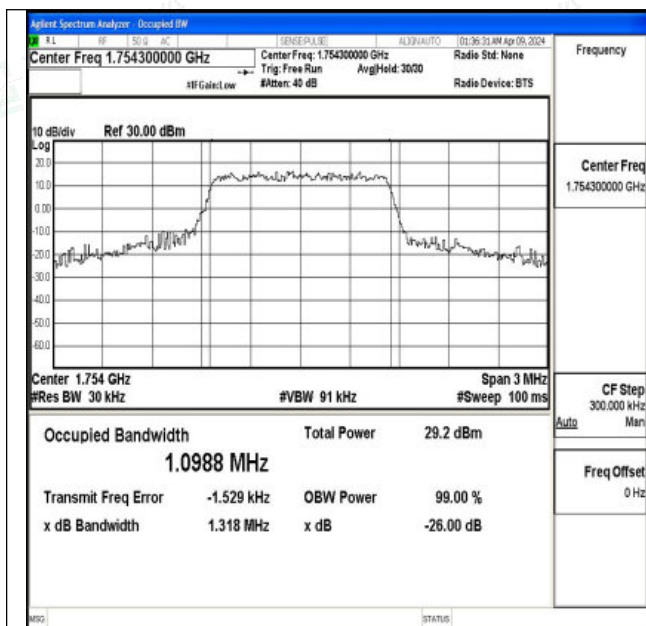


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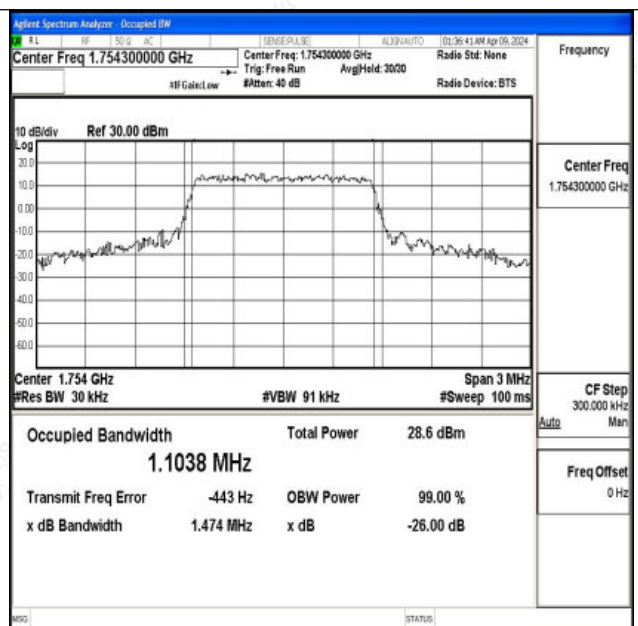
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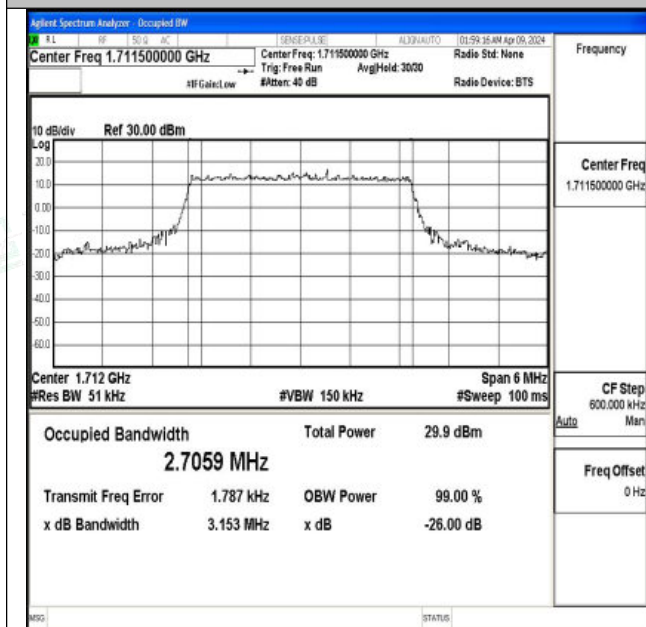
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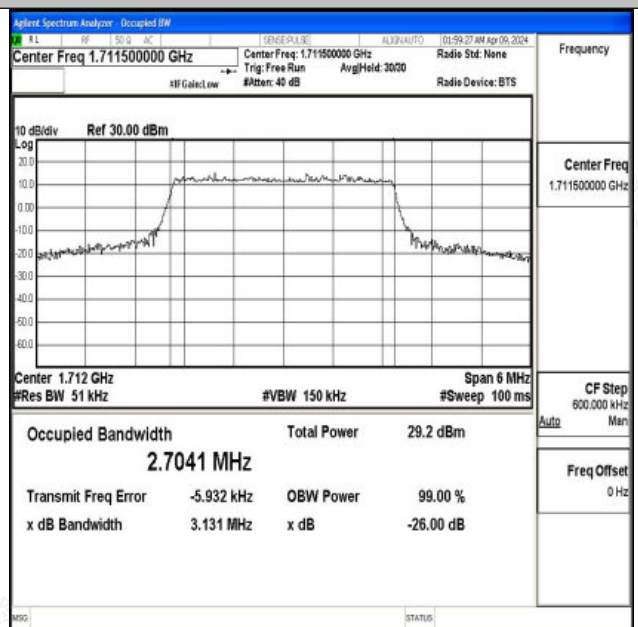
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Band4-1.4MHz-16QAM-20393-6RB#0-PASS



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



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

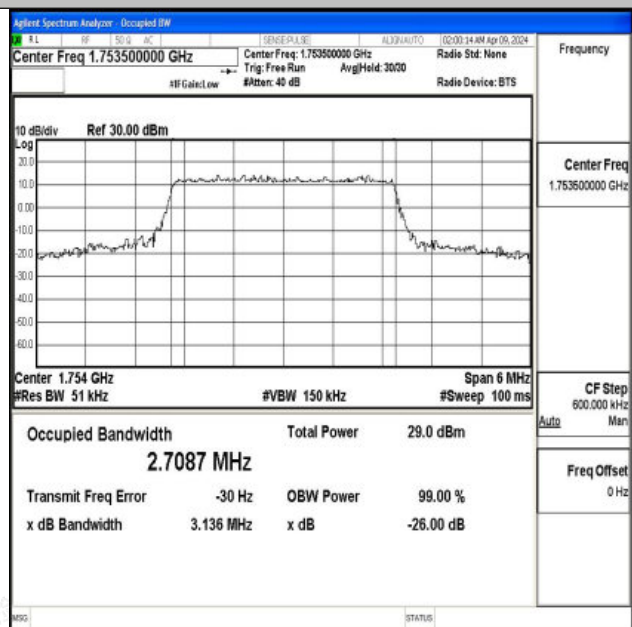
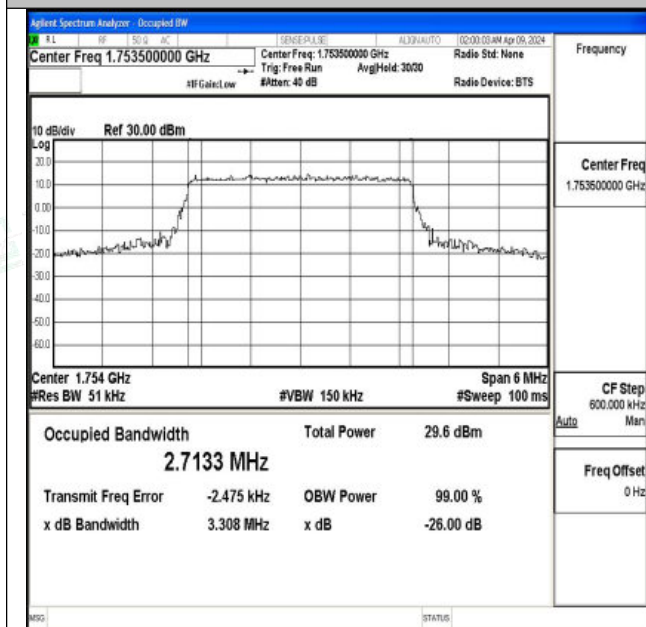
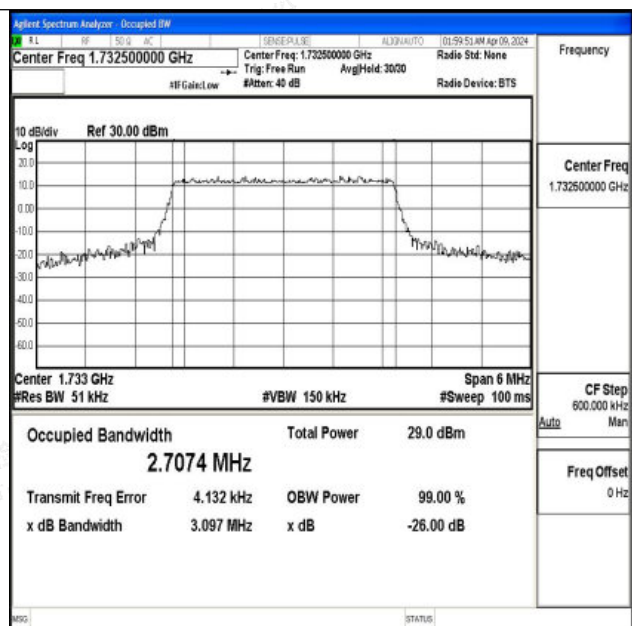
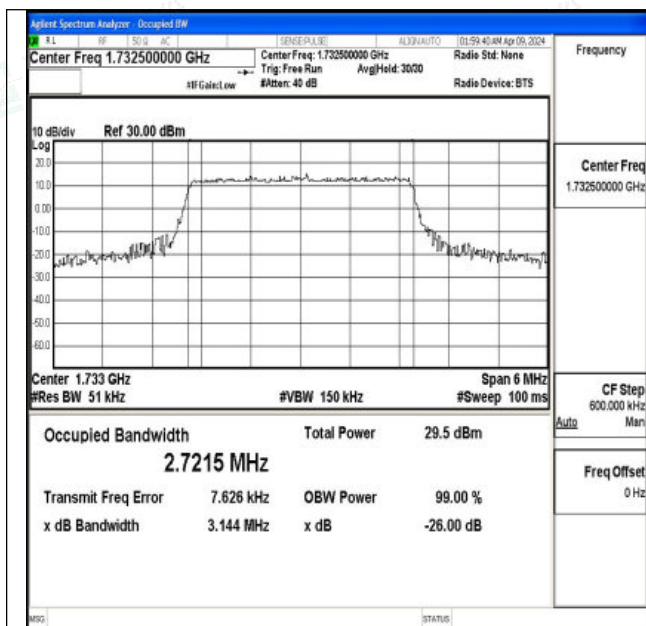


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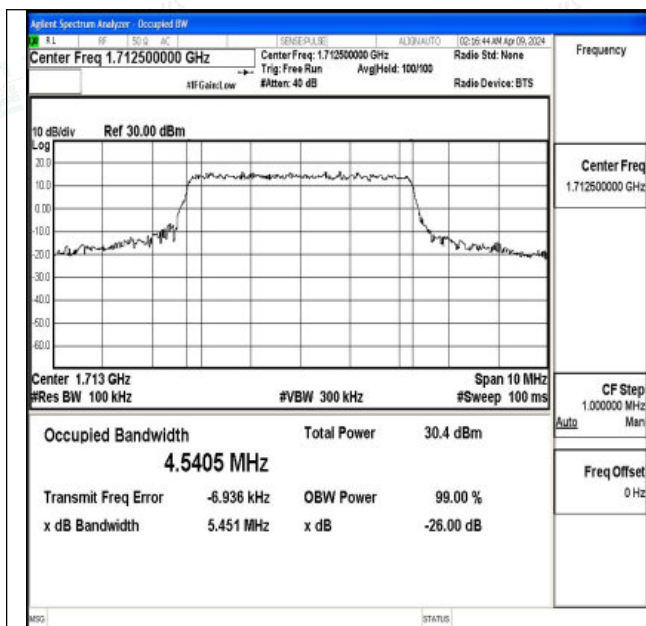


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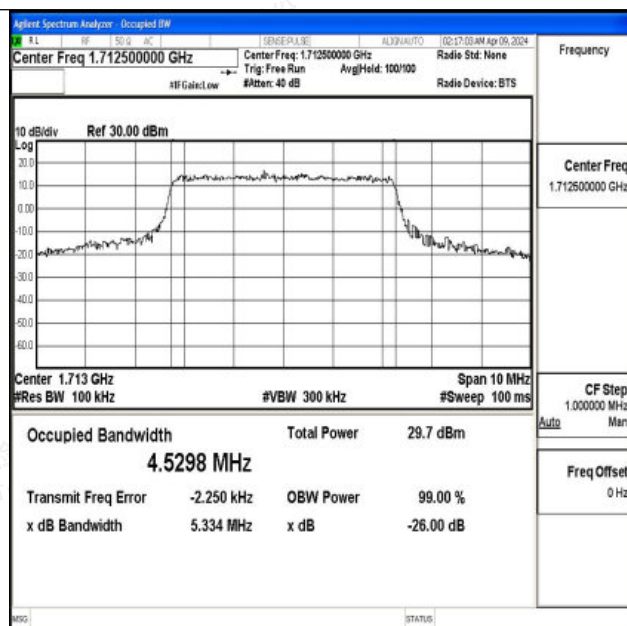
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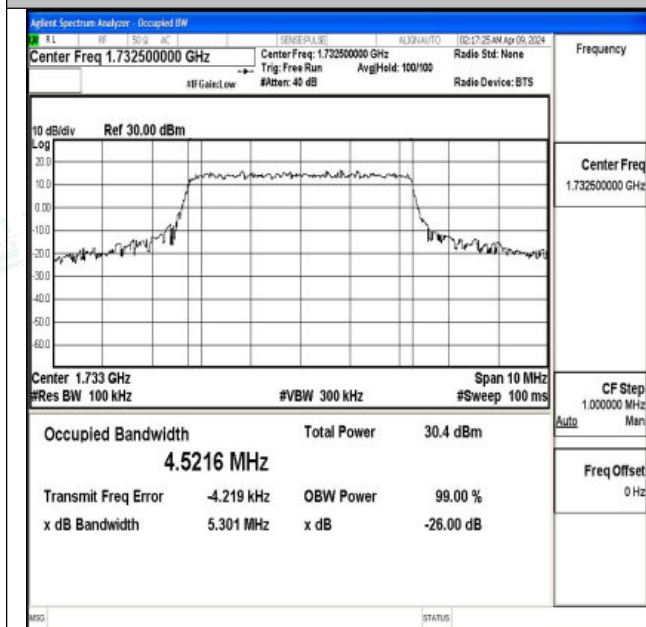
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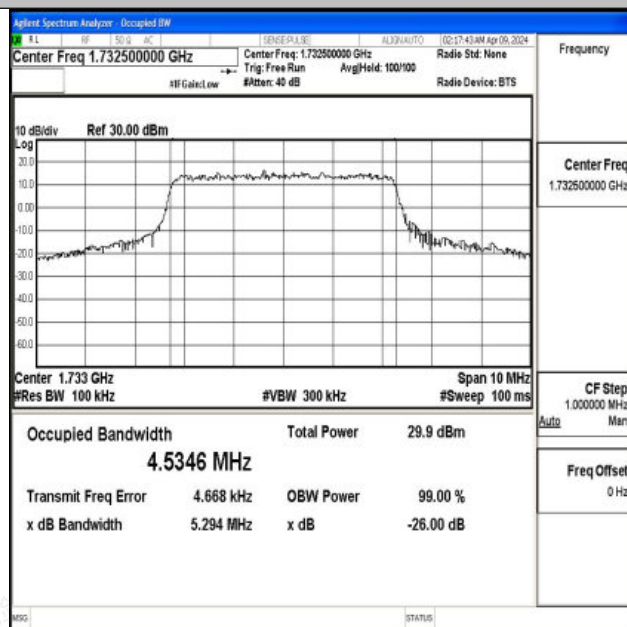
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Band4-5MHz-QPSK-20175-25RB#0-PASS



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

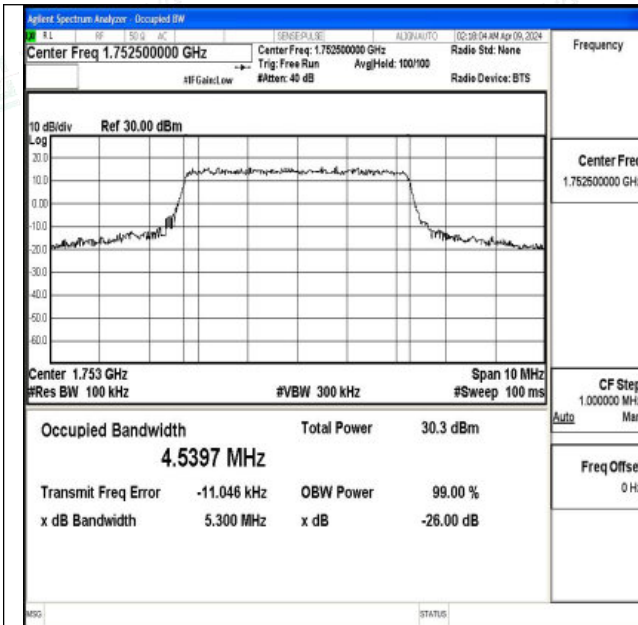


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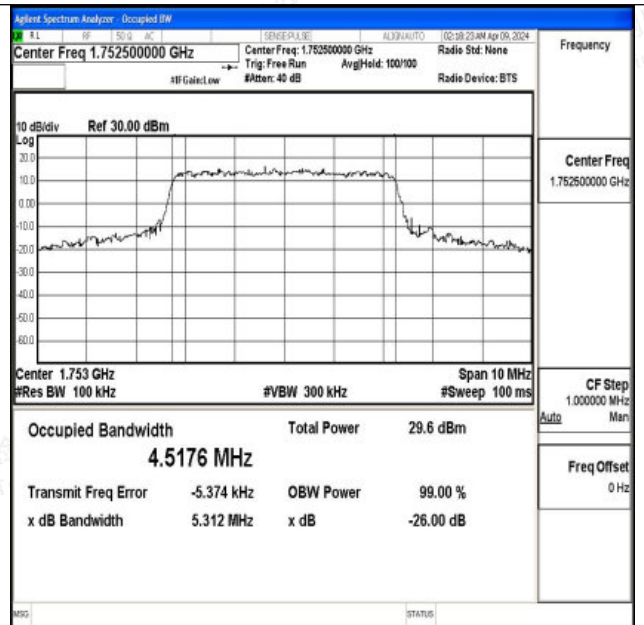
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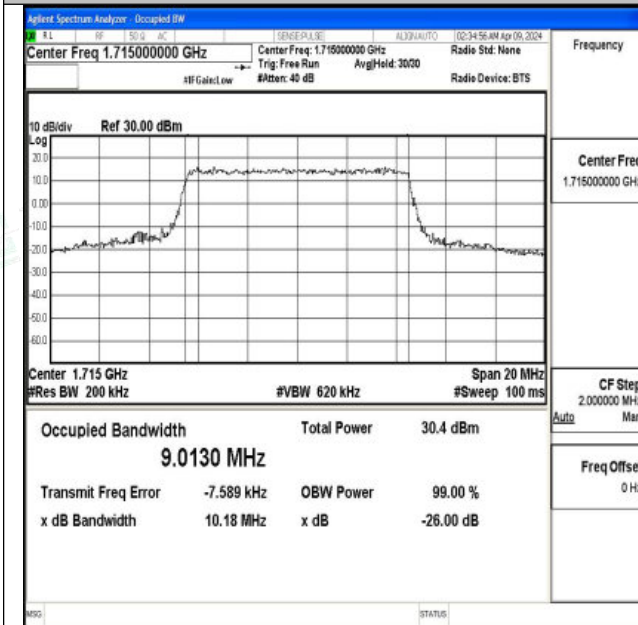
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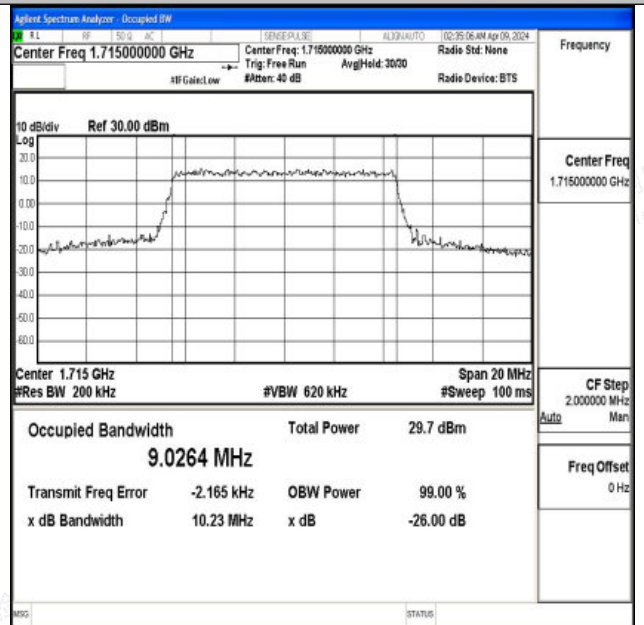
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Band4-10MHz-QPSK-20000-50RB#0-PASS



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

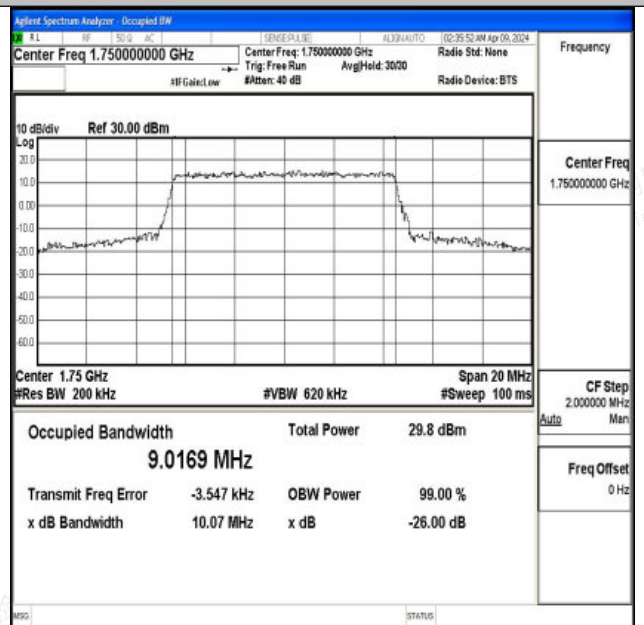
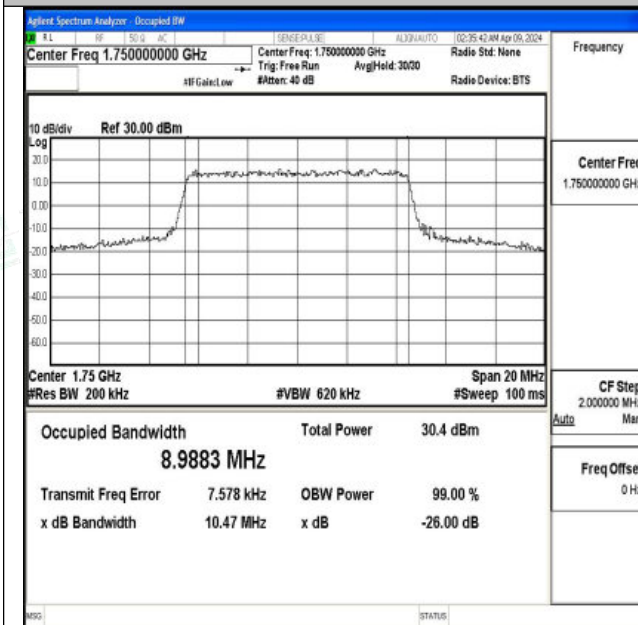
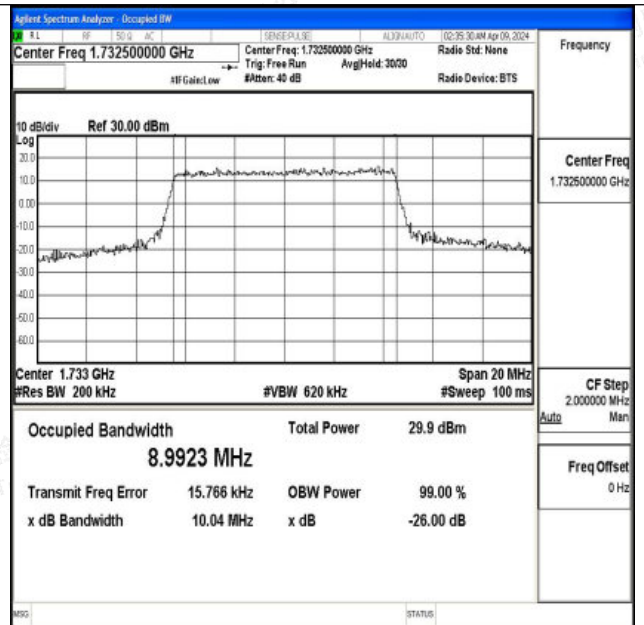
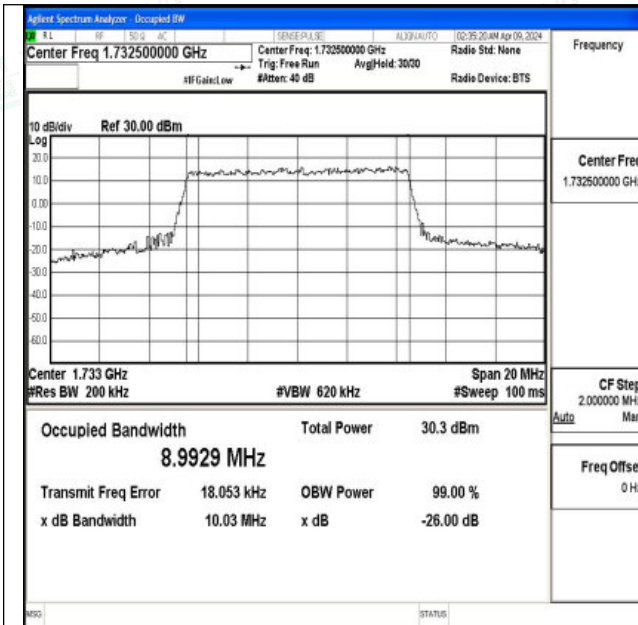


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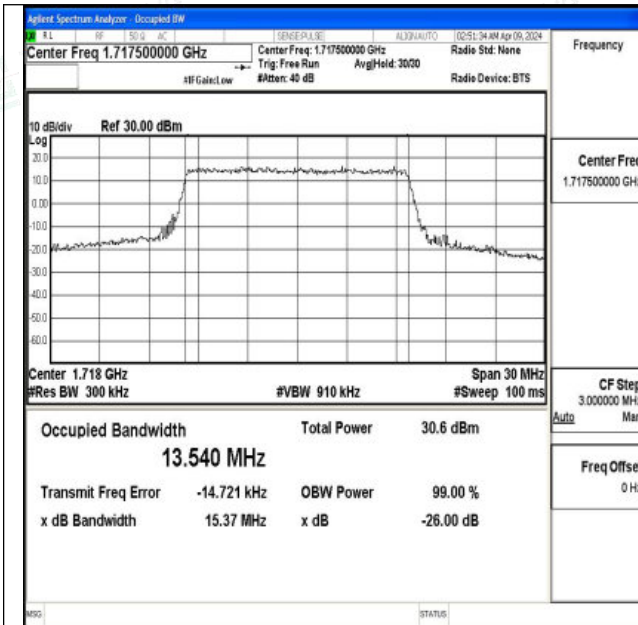


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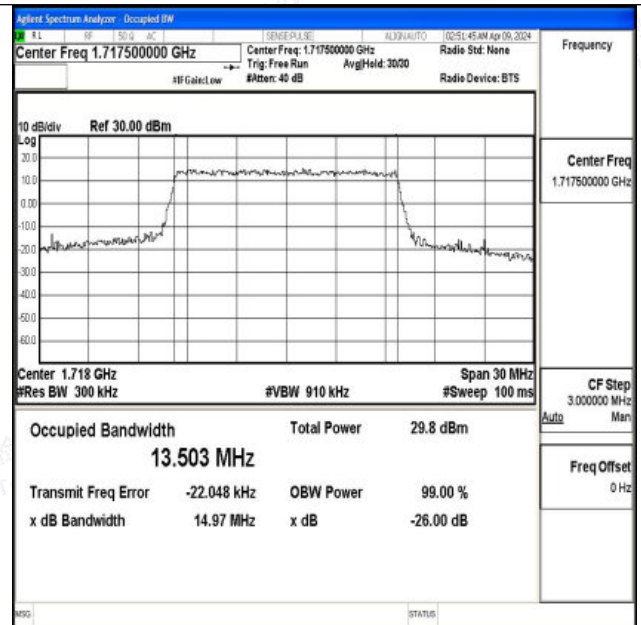
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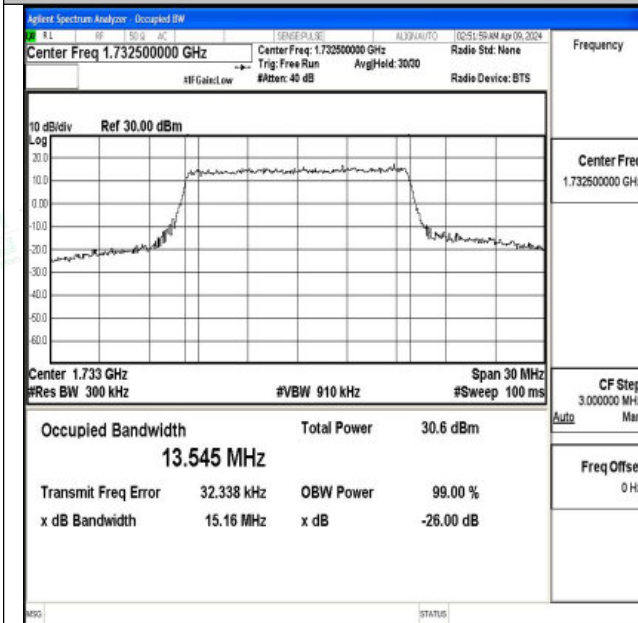
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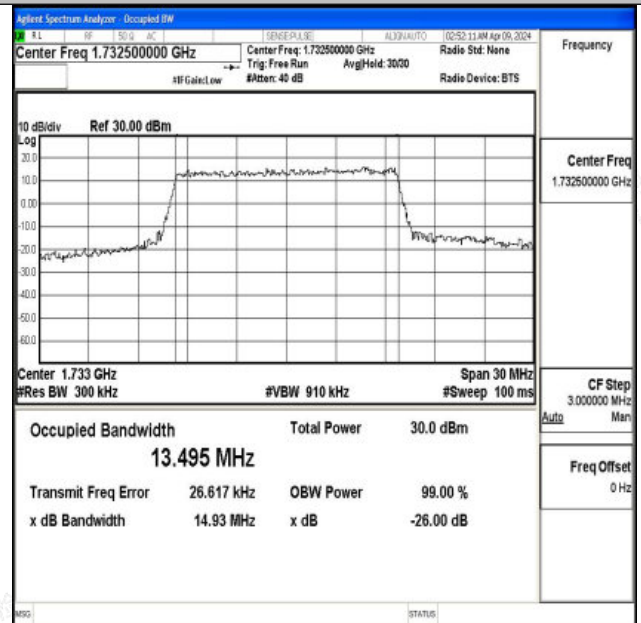
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Band4-15MHz-16QAM-20025-75RB#0-PASS



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



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

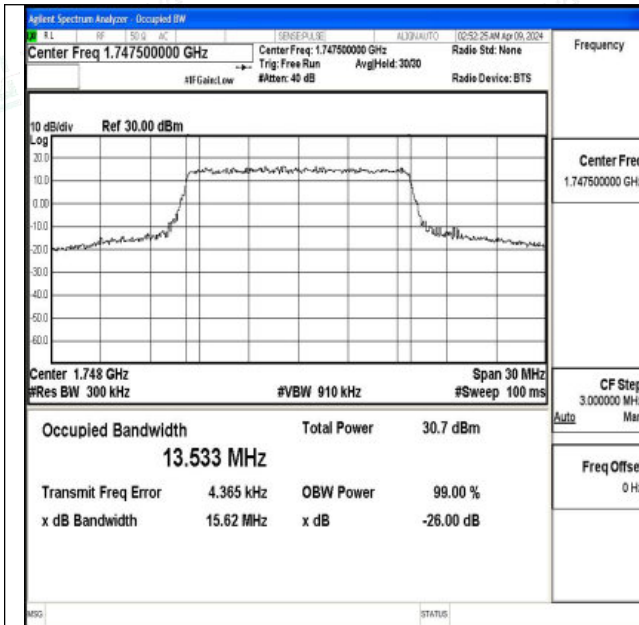


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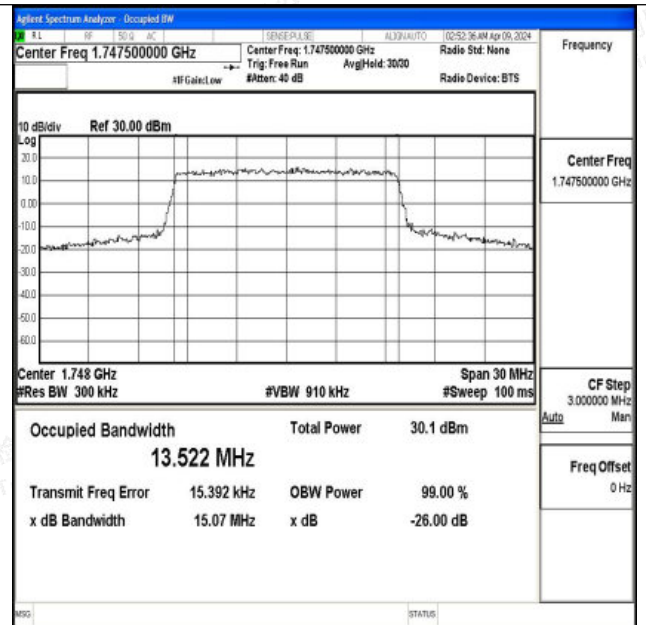
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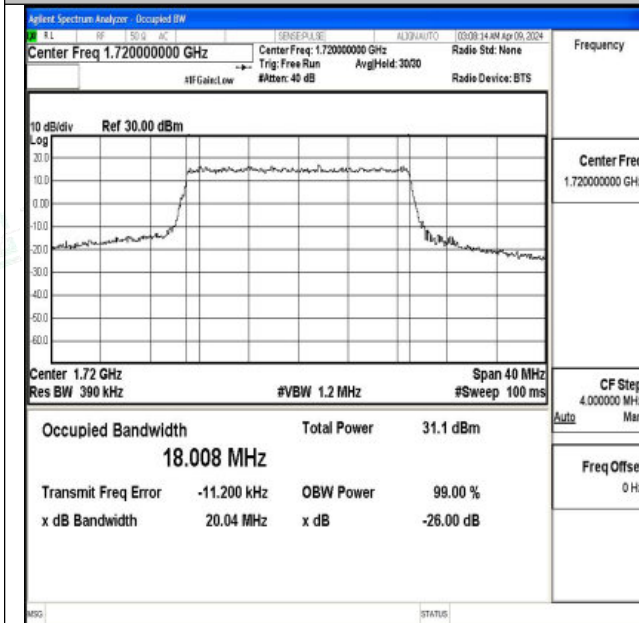
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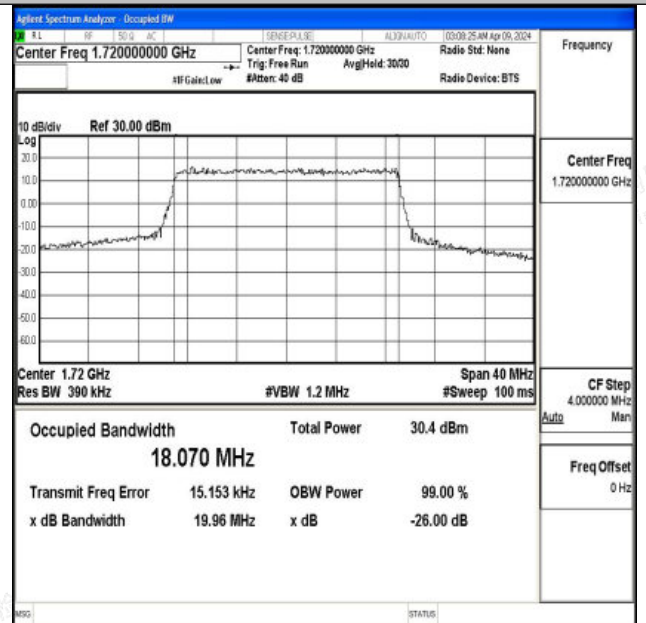
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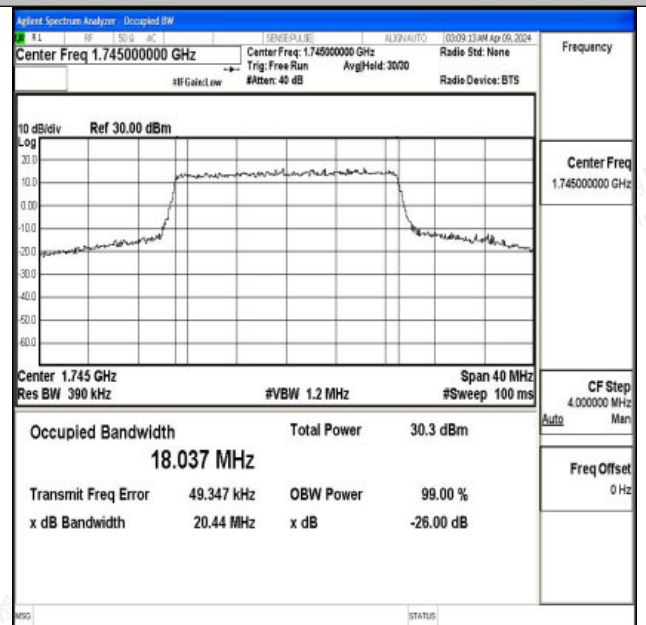
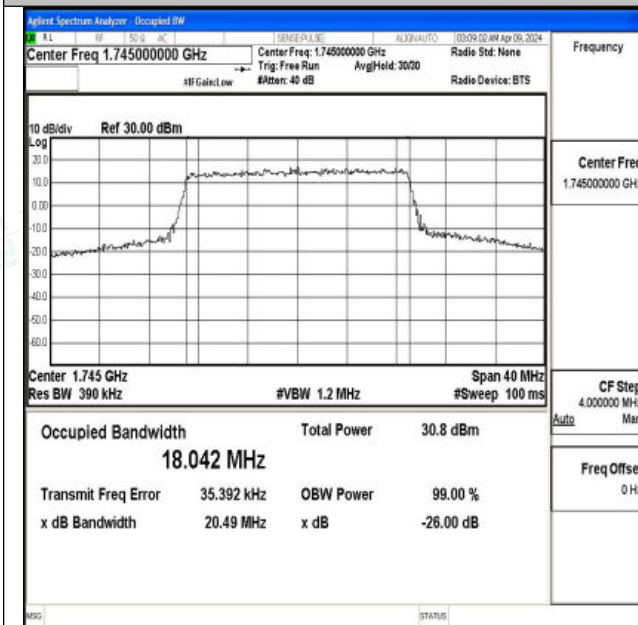
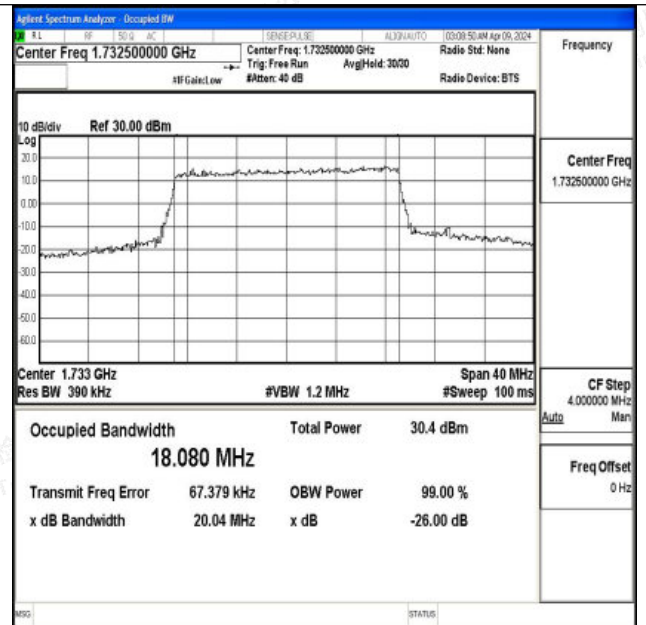
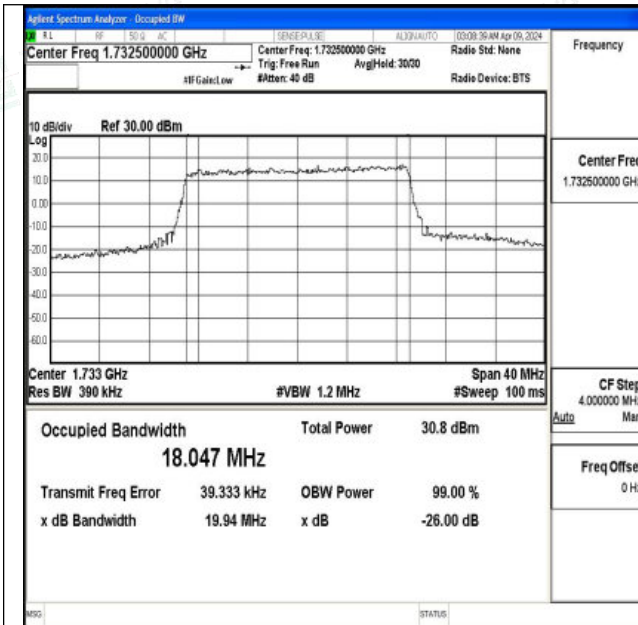


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B.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-24.25	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-25.90	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-24.81	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-25.62	PASS
Band4	3MHz	QPSK	19965	15RB#0	-21.72	PASS
Band4	3MHz	16QAM	19965	15RB#0	-23.15	PASS
Band4	3MHz	QPSK	20385	15RB#0	-22.81	PASS
Band4	3MHz	16QAM	20385	15RB#0	-23.24	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.21	PASS
Band4	5MHz	16QAM	19975	25RB#0	-25.42	PASS
Band4	5MHz	QPSK	20375	25RB#0	-25.30	PASS
Band4	5MHz	16QAM	20375	25RB#0	-25.65	PASS
Band4	10MHz	QPSK	20000	50RB#0	-26.49	PASS
Band4	10MHz	16QAM	20000	50RB#0	-27.76	PASS
Band4	10MHz	QPSK	20350	50RB#0	-24.86	PASS
Band4	10MHz	16QAM	20350	50RB#0	-26.55	PASS
Band4	15MHz	QPSK	20025	75RB#0	-25.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	-27.38	PASS
Band4	15MHz	QPSK	20325	75RB#0	-24.11	PASS
Band4	15MHz	16QAM	20325	75RB#0	-25.61	PASS
Band4	20MHz	QPSK	20050	100RB#0	-26.10	PASS
Band4	20MHz	16QAM	20050	100RB#0	-27.85	PASS
Band4	20MHz	QPSK	20300	100RB#0	-24.52	PASS
Band4	20MHz	16QAM	20300	100RB#0	-25.84	PASS



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