



Appendix B Test Data for E-UTRA Band 4

Product Name: LTE 4G USB DONGLE

Test Model: IH500

Environmental Conditions

Temperature:	22.4° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





B.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.24	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.38	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.09	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.21	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.04	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.06	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.07	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.05	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.01	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.90	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.06	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.05	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.11	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.77	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.81	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.72	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.68	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.74	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.68	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.69	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.20	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.41	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.37	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.96	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.91	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.87	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.97	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.06	PASS



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Scan code to check authenticity



Band4	1.4MHz	16QAM	20175	1RB#5	21.91	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.86	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.76	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.96	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.79	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.78	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.74	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.58	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.45	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.41	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.67	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.11	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.03	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.15	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.20	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.98	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.93	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.17	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.10	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.04	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.78	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.09	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.12	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.05	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.12	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.74	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.71	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.54	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.56	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.74	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.79	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.74	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.23	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.11	PASS



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Band4	3MHz	16QAM	19965	1RB#14	21.95	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.02	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.13	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.16	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.81	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.14	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.95	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.92	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.32	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.16	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.22	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.02	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.70	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.71	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.06	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.87	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.80	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.95	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.75	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.33	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.14	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.93	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.31	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.18	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.08	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.92	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.07	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.95	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.96	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.07	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.07	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.99	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.99	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.85	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.88	PASS



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Band4	5MHz	QPSK	20375	1RB#24	22.87	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.77	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.77	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.62	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.64	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.15	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.08	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.97	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.18	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.03	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.04	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.01	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.86	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.73	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.85	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.96	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.94	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.79	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.97	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.91	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.61	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.80	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.75	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.63	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.78	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.60	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.89	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.69	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.85	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.79	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.13	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.41	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.76	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.83	PASS



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Scan code to check authenticity



Band4	10MHz	QPSK	20175	1RB#49	22.74	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.91	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.91	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.80	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.97	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.71	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.07	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.41	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.93	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.92	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.73	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.70	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.92	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.09	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.76	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.14	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.17	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.81	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.46	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.76	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.02	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.68	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.99	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.99	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.87	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.90	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.86	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.04	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.70	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.94	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.92	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.71	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.70	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.81	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.79	PASS



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Band4	15MHz	QPSK	20025	1RB#74	22.49	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.77	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.98	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.90	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.97	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.95	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.83	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.08	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.19	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.90	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.17	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.96	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.20	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.83	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.18	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.10	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.80	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.02	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.85	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.69	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.09	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.21	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.88	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.97	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.01	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.13	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.04	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.18	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.03	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.82	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.19	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.16	PASS



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Band4	15MHz	16QAM	20325	1RB#74	22.02	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.13	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.94	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.05	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.56	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.62	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.72	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.01	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.87	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.80	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.95	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.18	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.15	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.77	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.07	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.96	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.84	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.02	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.75	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.28	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.56	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.84	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.83	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.77	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.89	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.38	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.58	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.76	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.02	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.98	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.91	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.88	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.07	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.76	PASS



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Band4	20MHz	16QAM	20175	1RB#99	21.81	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.13	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.95	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.87	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.97	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.64	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.06	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.42	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.95	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.93	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.76	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.92	PASS



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Scan code to check authenticity



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	4.58	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.15	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.53	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.04	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.68	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.20	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.52	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.04	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.60	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.84	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.71	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.03	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.56	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.27	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.64	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.17	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.82	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.32	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.40	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.14	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.55	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.94	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.80	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.03	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.62	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.30	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.54	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.09	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.86	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.29	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.52	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.08	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.44	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.86	13	PASS



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Band4	5MHz	16QAM	20375	1RB#0	5.62	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.07	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.86	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.37	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.66	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.05	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	5.10	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.20	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	6.00	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.19	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.50	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.86	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.96	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.00	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	5.27	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.60	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.77	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.16	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.76	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.43	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.89	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.27	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.66	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.89	13	PASS
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Band4	15MHz	16QAM	20325	75RB#0	6.09	13	PASS
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Band4	20MHz	QPSK	20050	100RB#0	5.36	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.22	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.95	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.63	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.28	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	6.17	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.17	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	6.01	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.83	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.59	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.01	13	PASS



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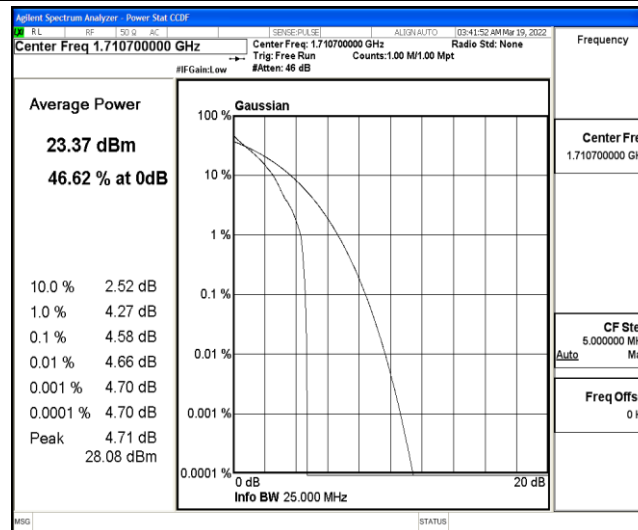
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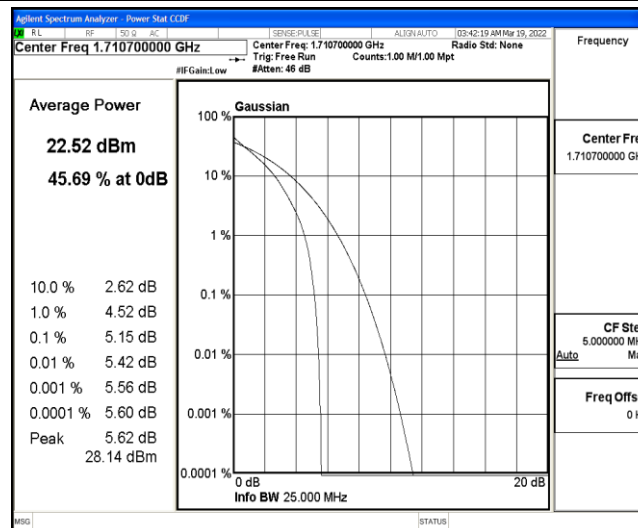


Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



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



Band4-1.4MHz-QPSK-20175-1RB#0

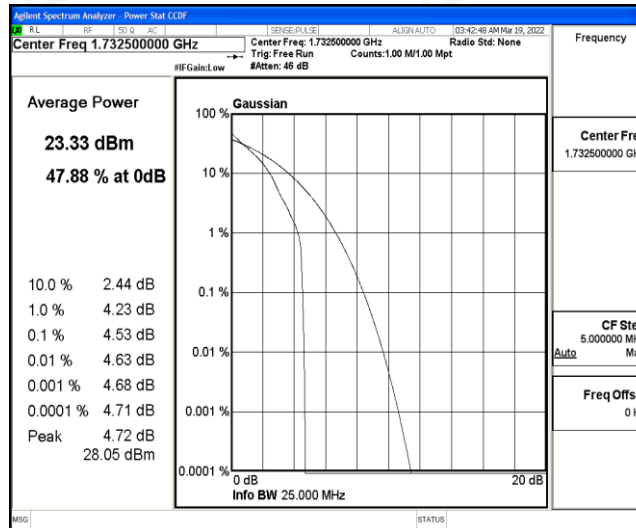


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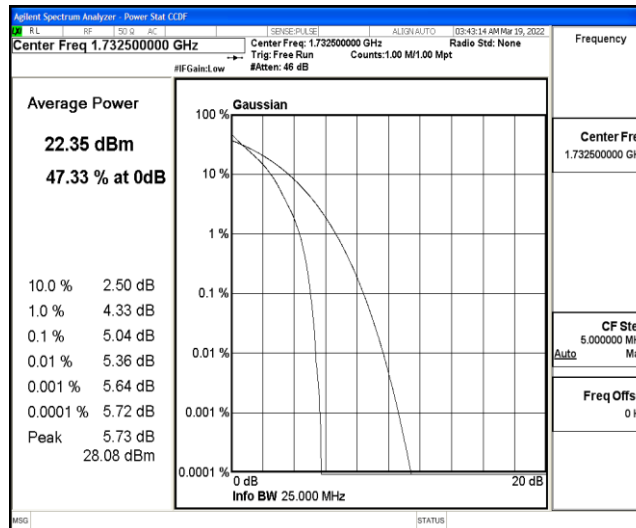
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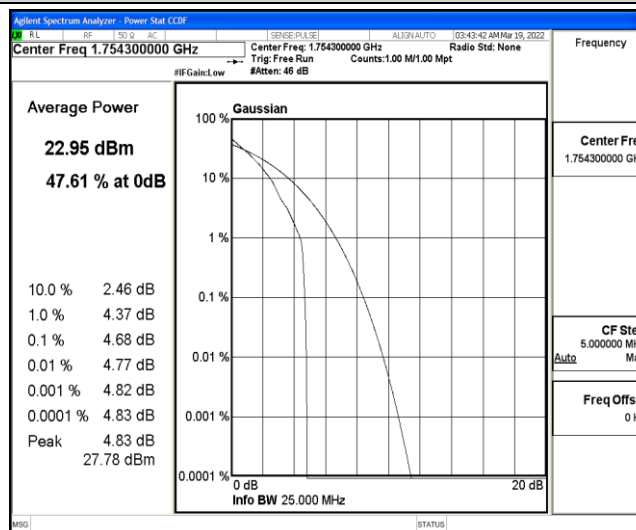
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Band4-1.4MHz-QPSK-20175-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0



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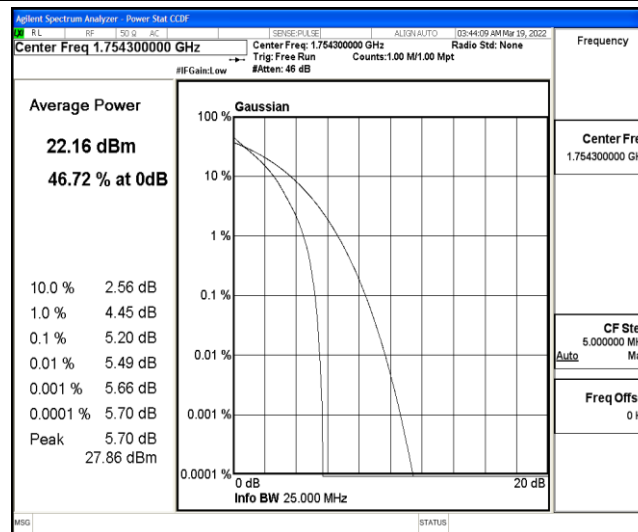
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

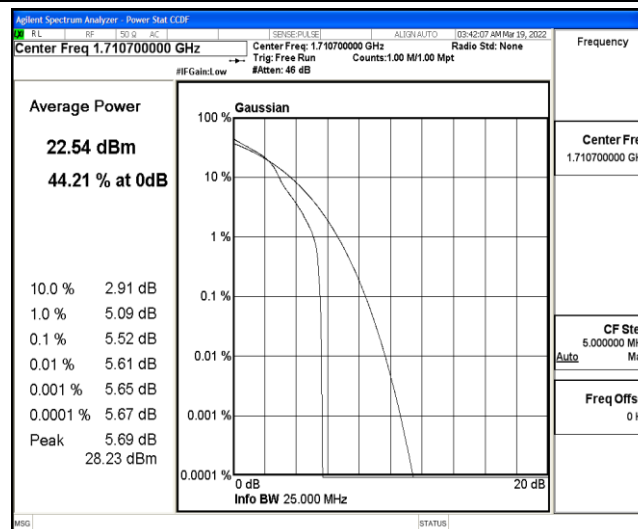
Scan code to check authenticity



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



Band4-1.4MHz-16QAM-19957-1RB#0



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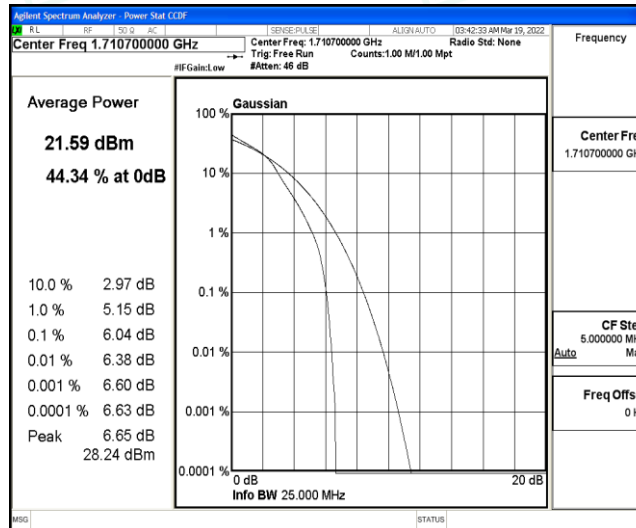


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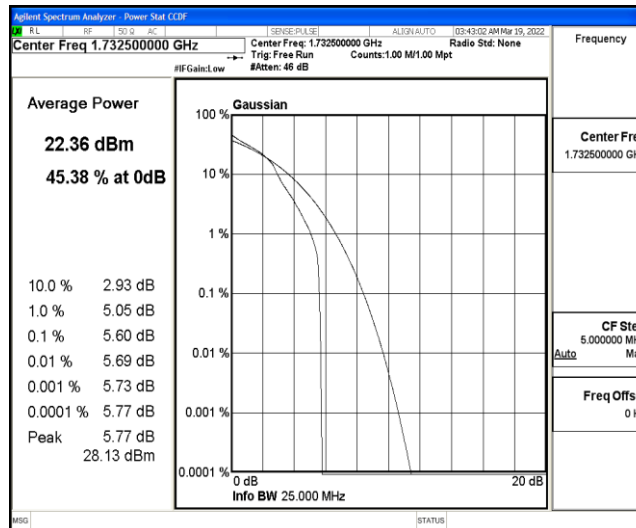
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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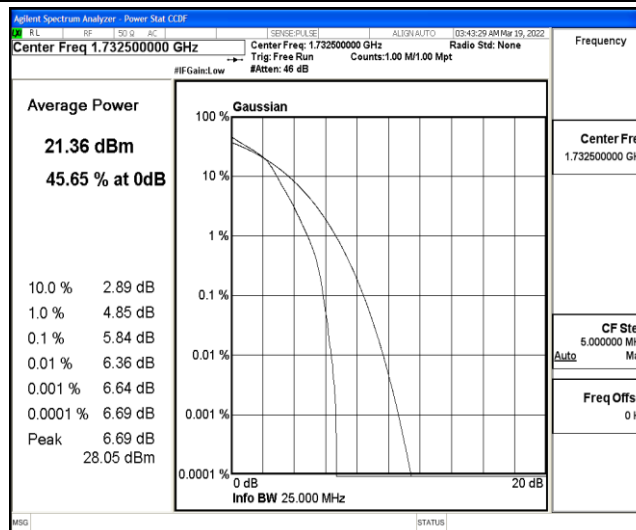
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Band4-1.4MHz-16QAM-20175-1RB#0



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

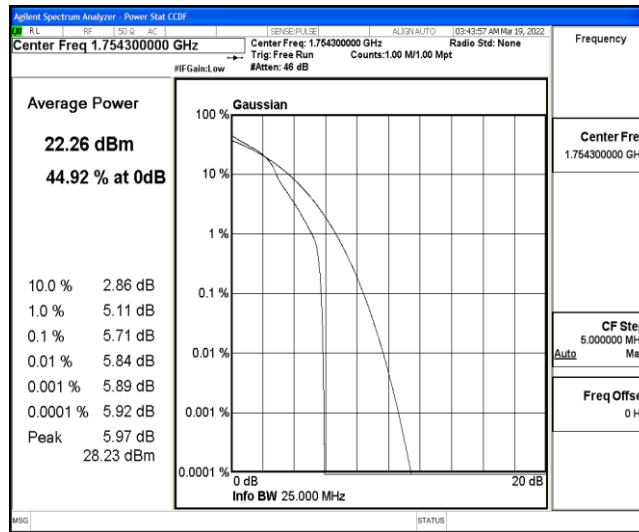
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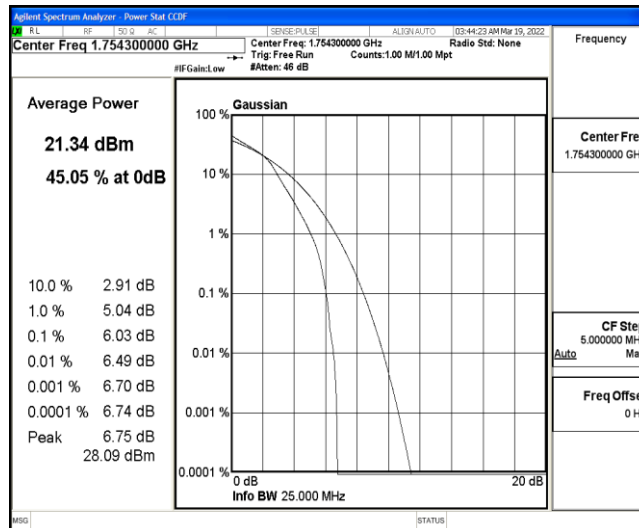
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Band4-1.4MHz-16QAM-20393-1RB#0



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



Band4-3MHz-QPSK-19965-1RB#0

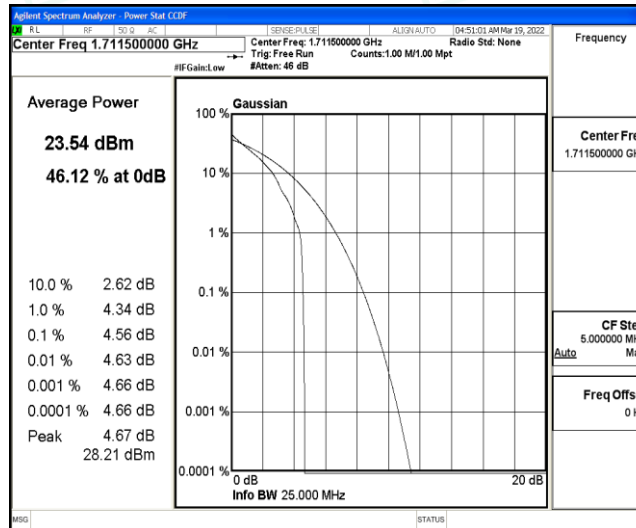


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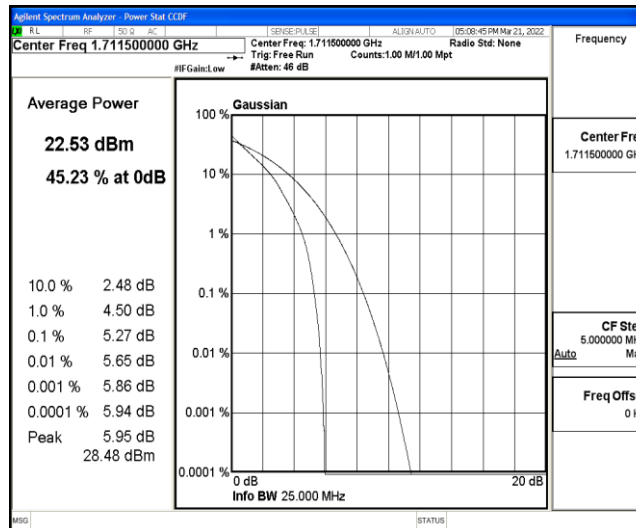
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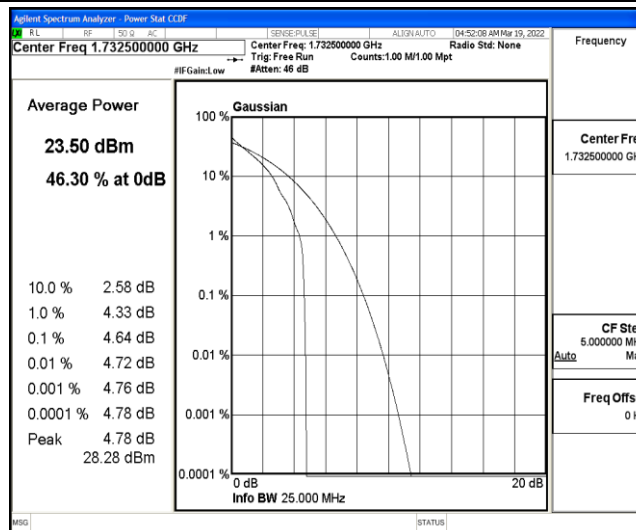
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Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20175-1RB#0



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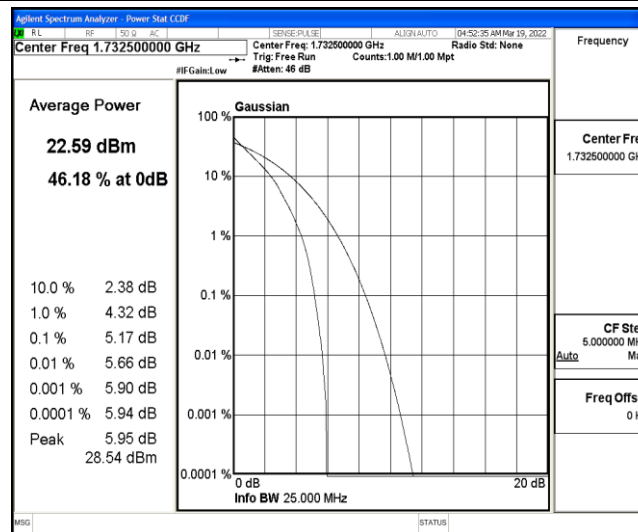
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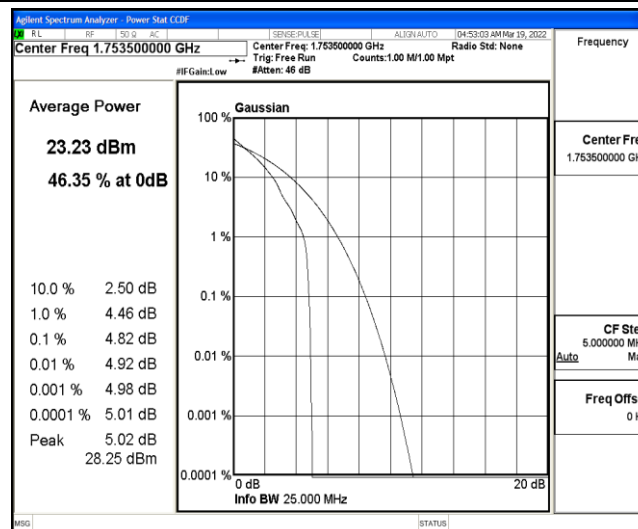
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Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-1RB#0



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

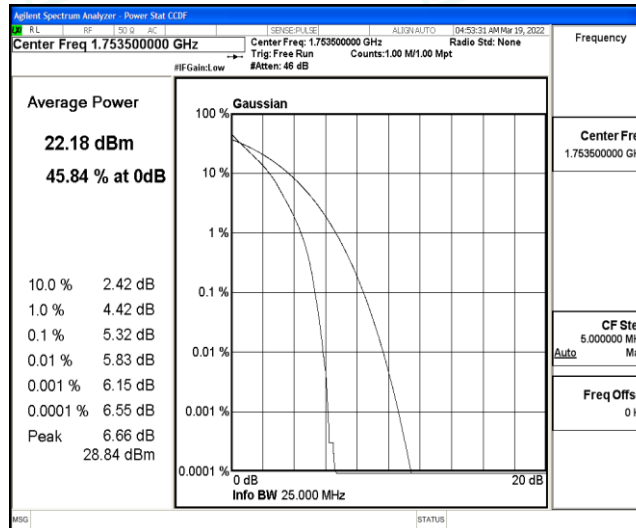


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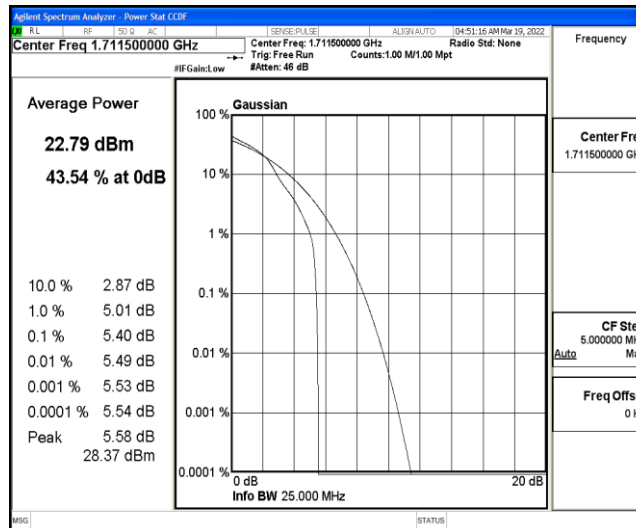
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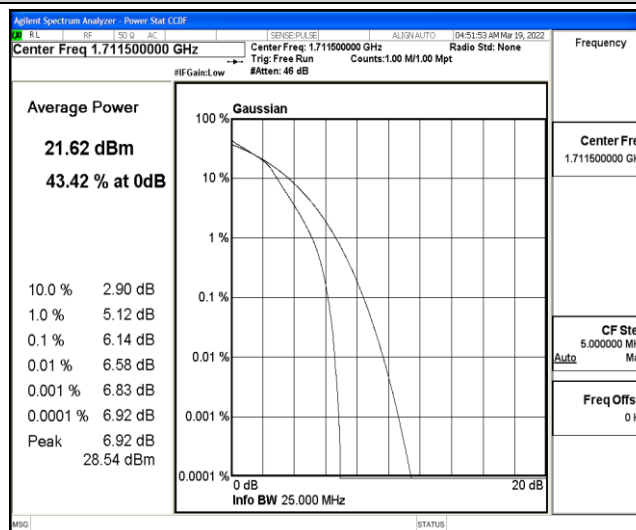
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Band4-3MHz-16QAM-19965-1RB#0



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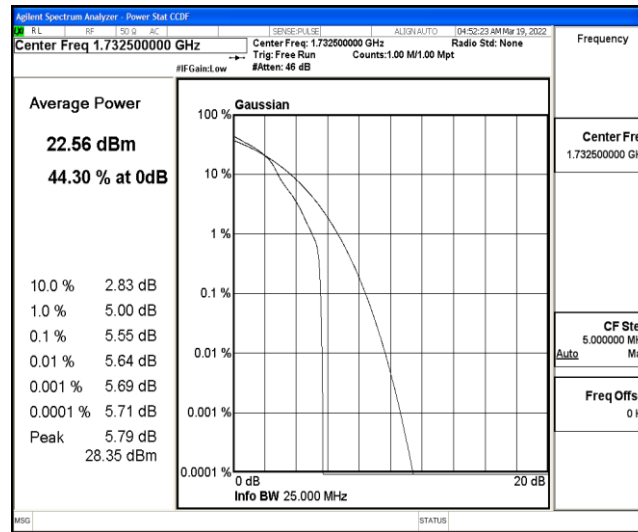
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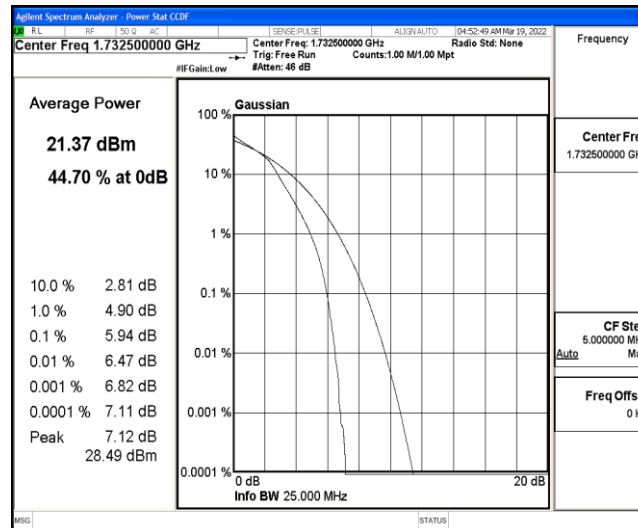
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Band4-3MHz-16QAM-20175-1RB#0



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



Band4-3MHz-16QAM-20385-1RB#0

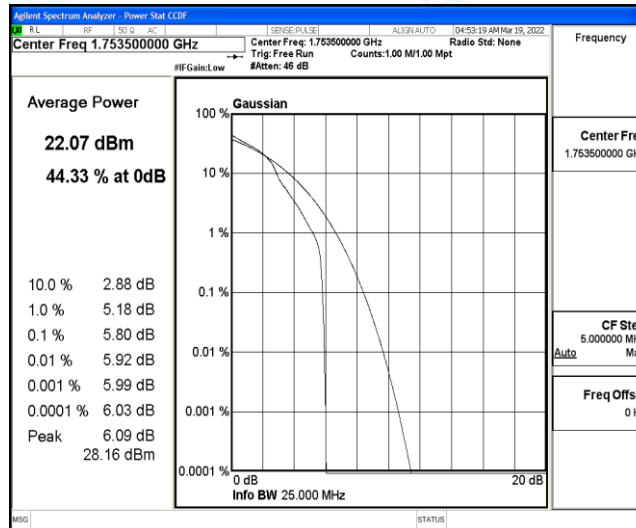


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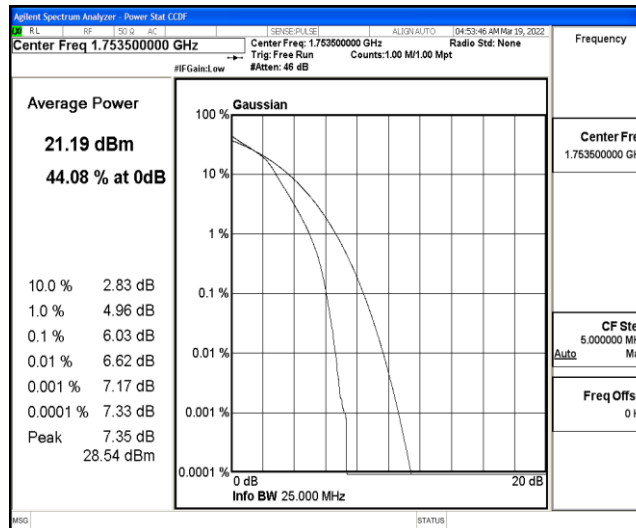
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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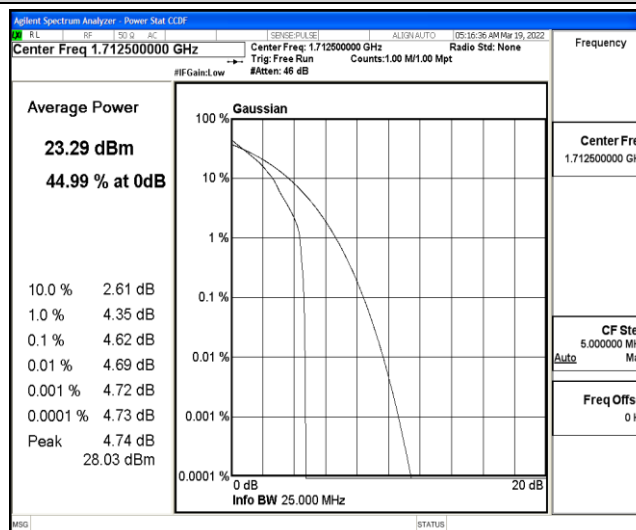
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Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-1RB#0



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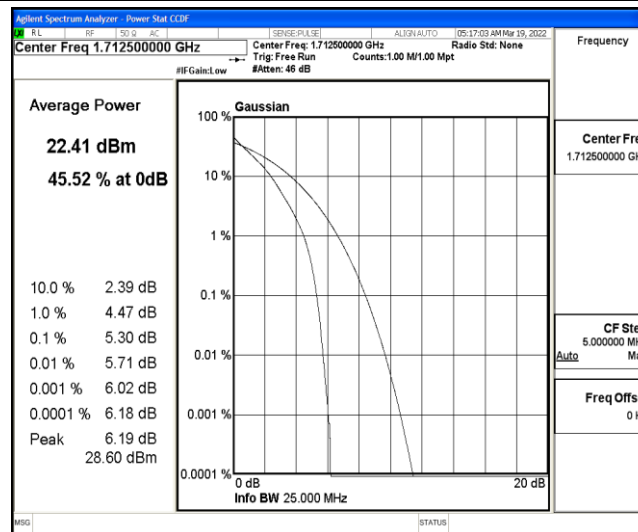
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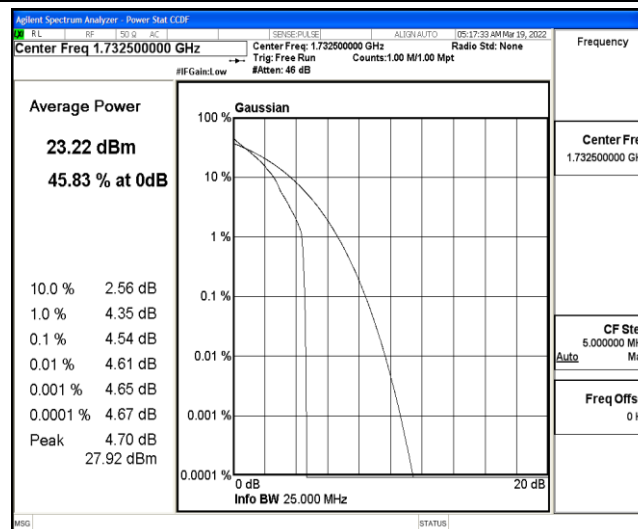
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Band4-5MHz-QPSK-19975-25RB#0



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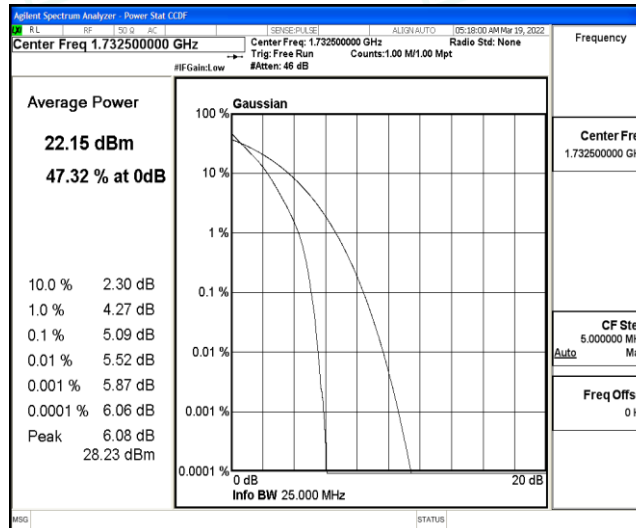


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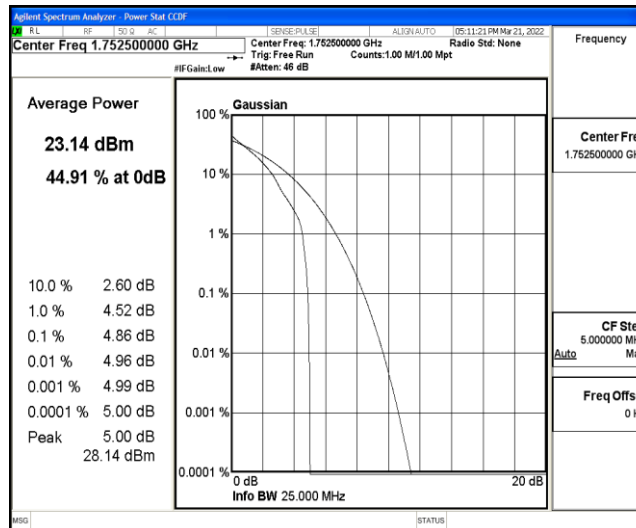
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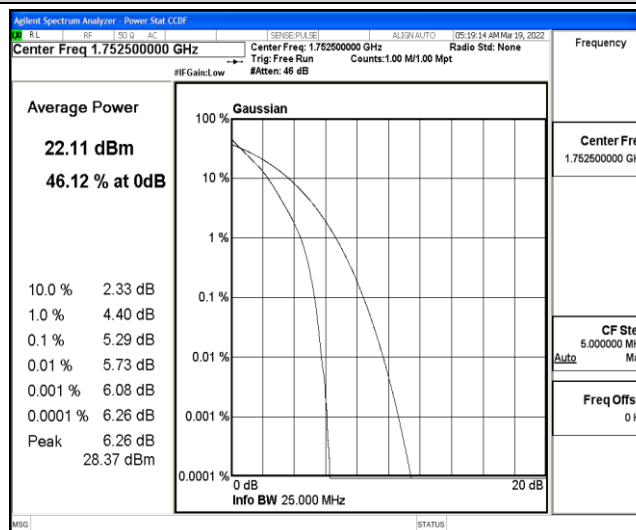
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Band4-5MHz-QPSK-20375-1RB#0



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



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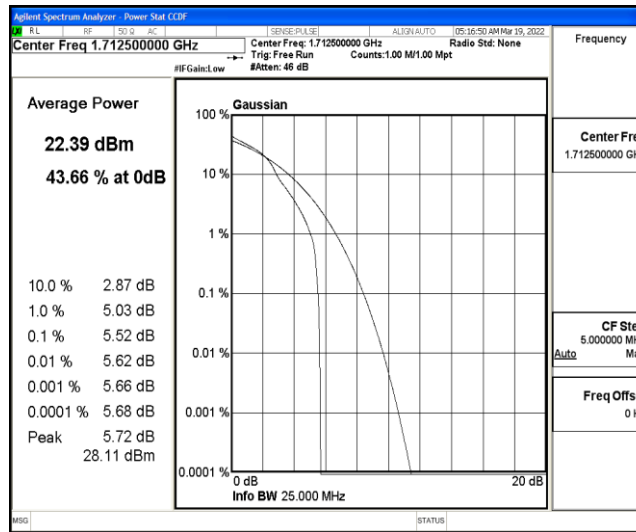
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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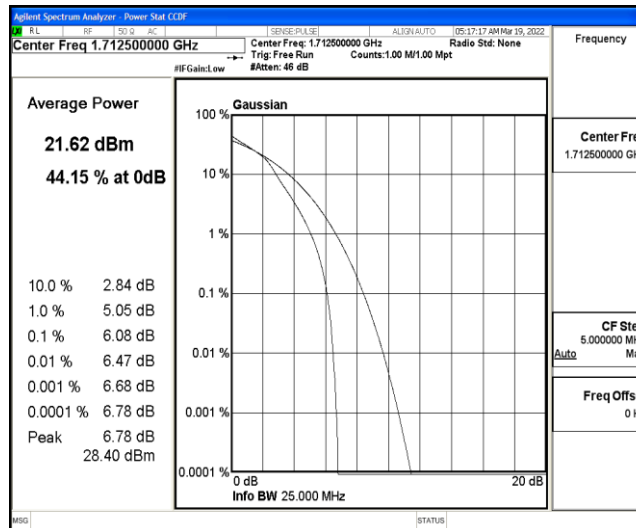
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Band4-5MHz-16QAM-19975-1RB#0



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



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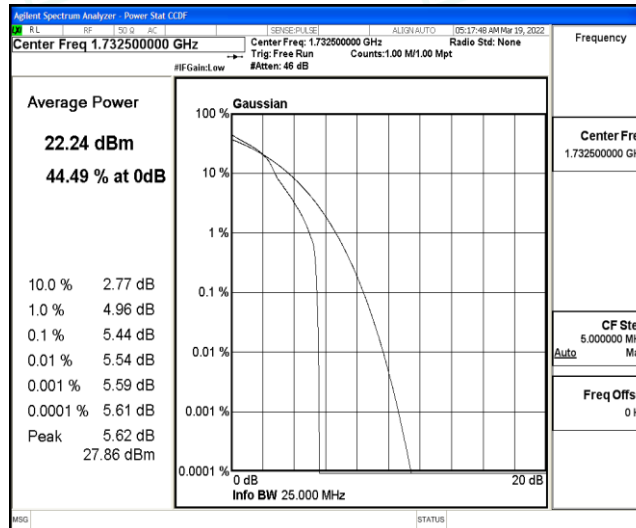


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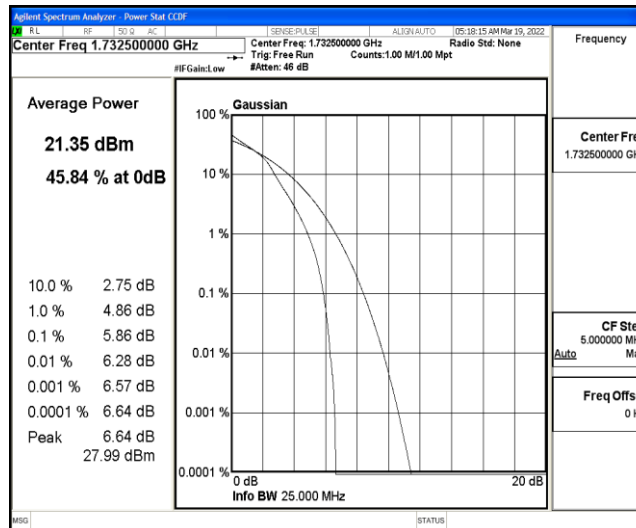
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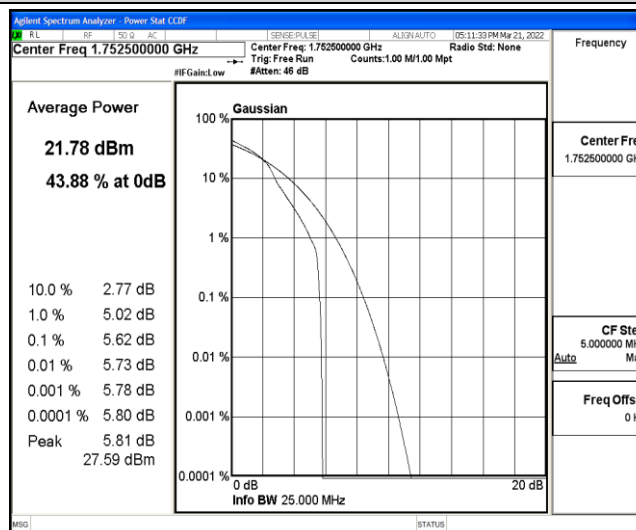
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Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-1RB#0



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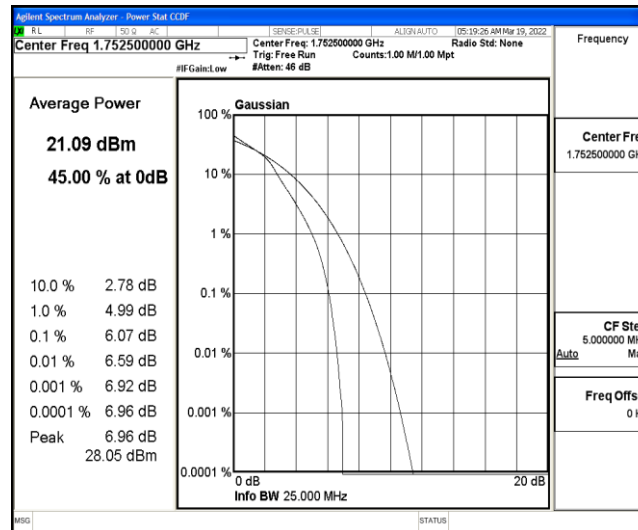
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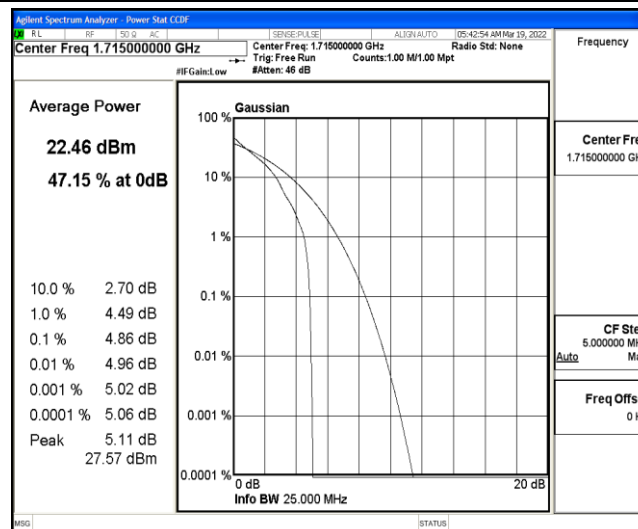
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Band4-5MHz-16QAM-20375-25RB#0



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



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

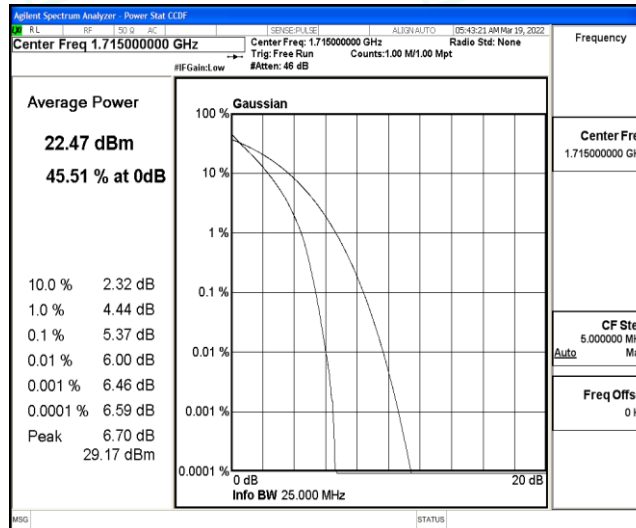


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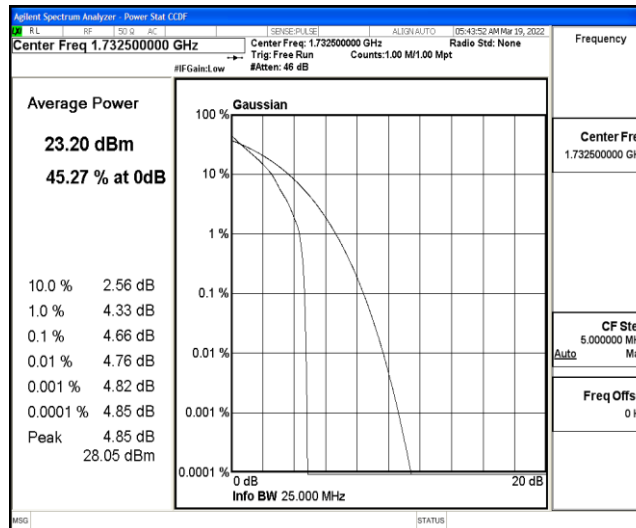
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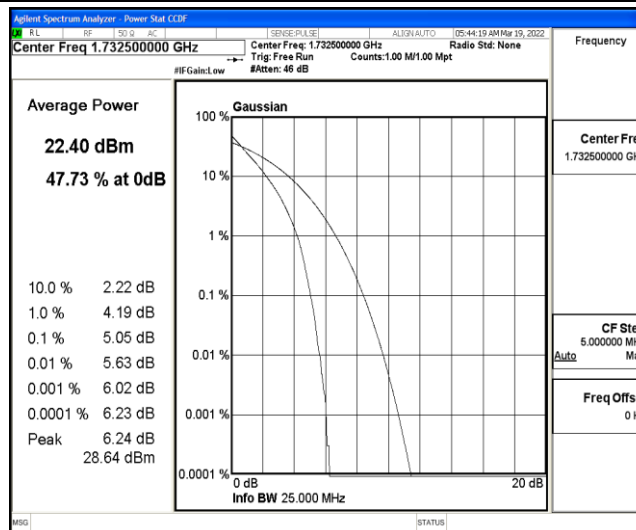
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Band4-10MHz-QPSK-20175-1RB#0



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



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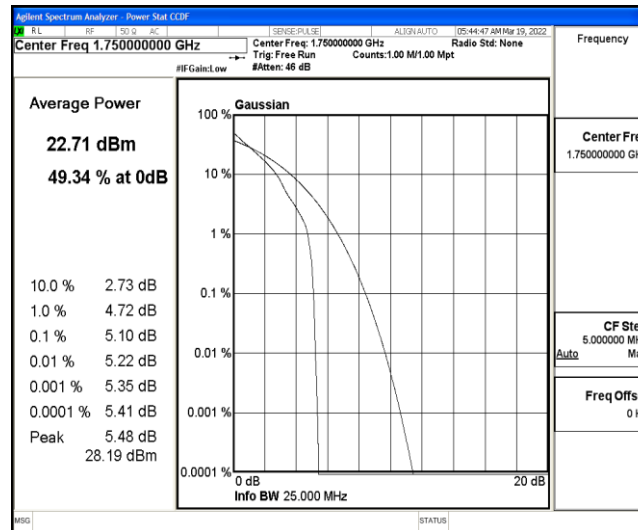
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

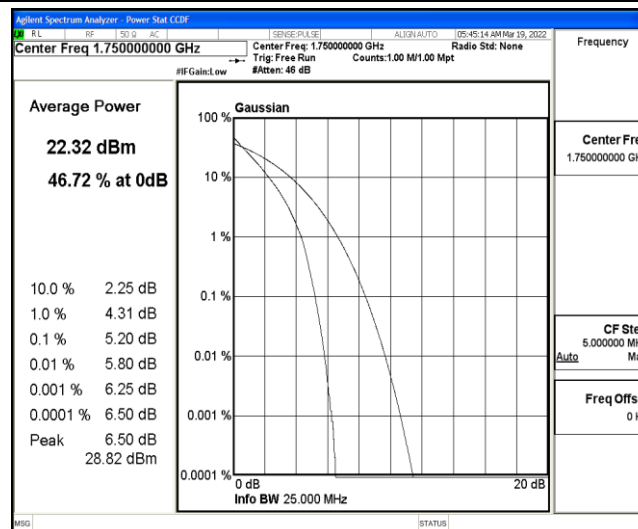
Scan code to check authenticity



Band4-10MHz-QPSK-20350-1RB#0



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



Band4-10MHz-16QAM-20000-1RB#0

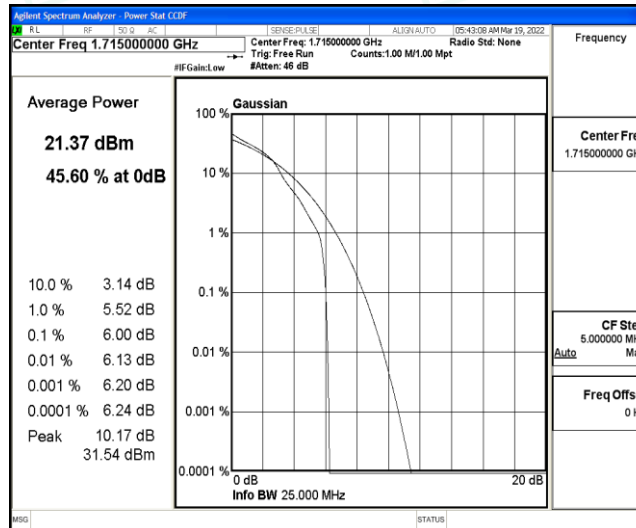


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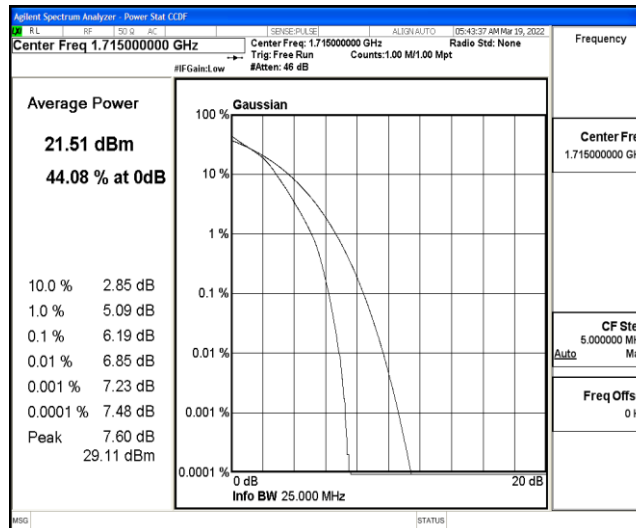
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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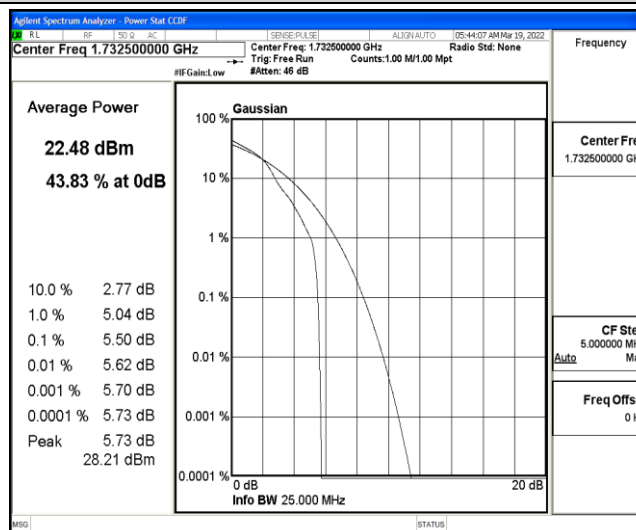
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Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20175-1RB#0



Shenzhen LCS Compliance Testing Laboratory Ltd.

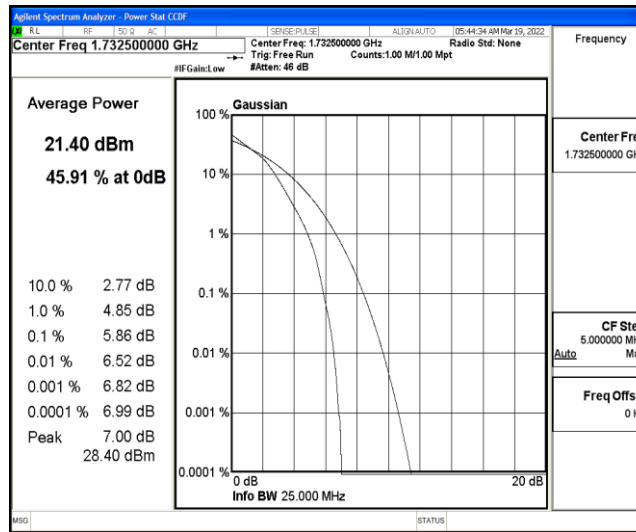
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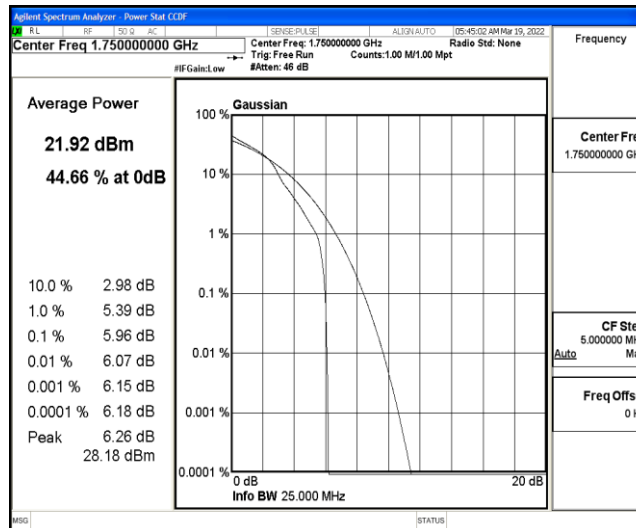
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Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-1RB#0



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

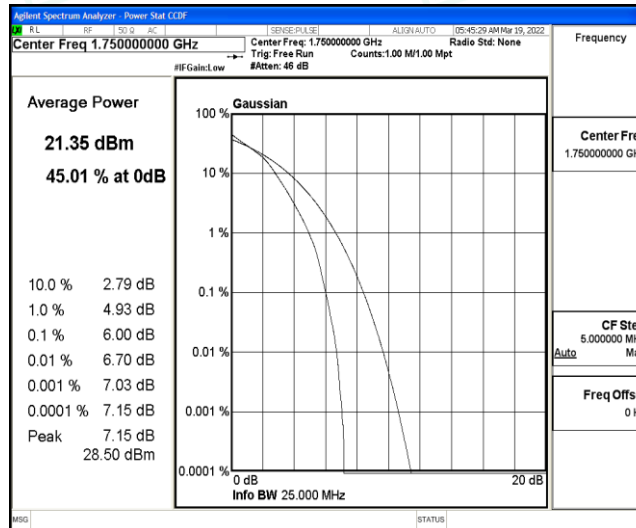


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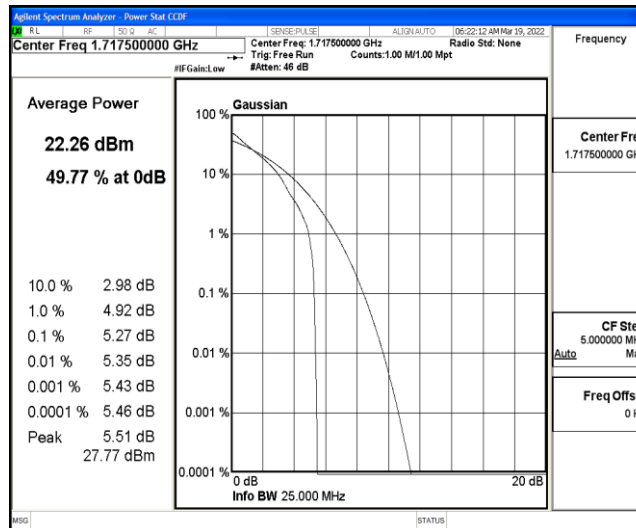
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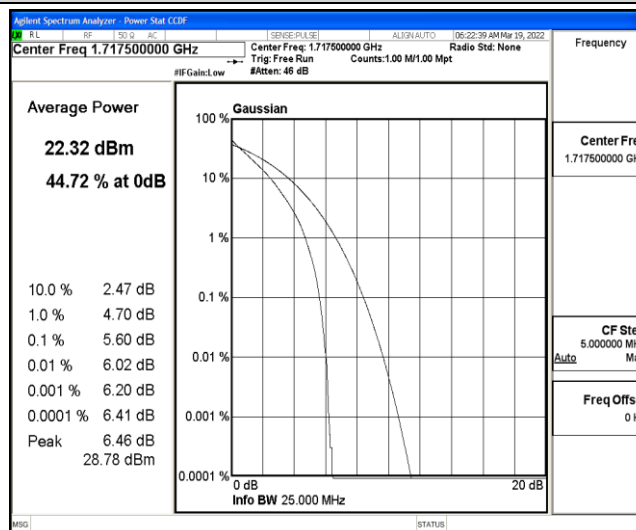
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Band4-15MHz-QPSK-20025-1RB#0



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



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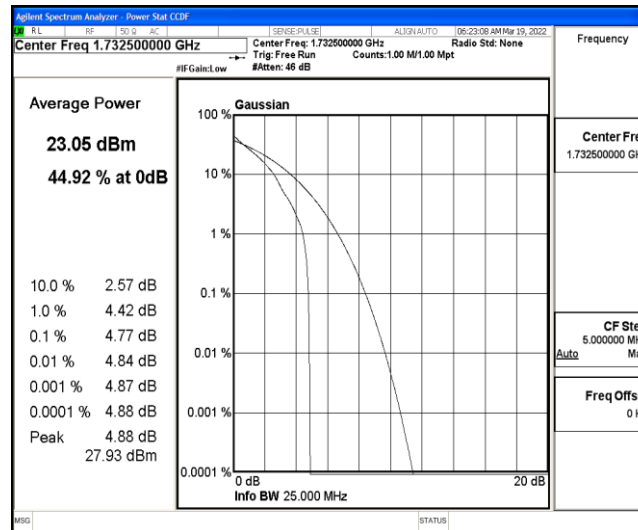
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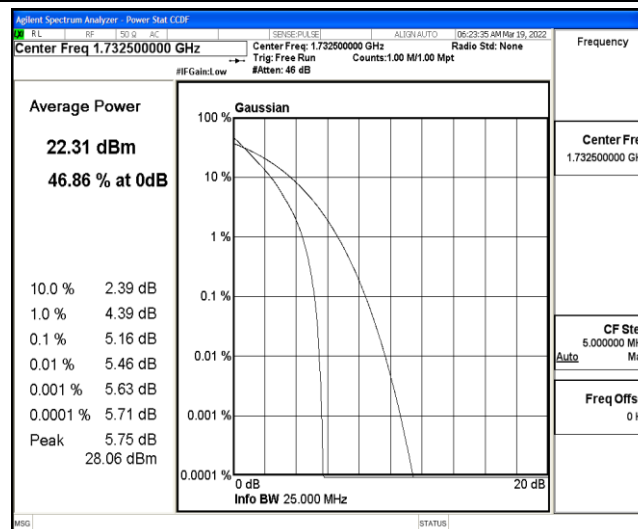
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Band4-15MHz-QPSK-20175-75RB#0



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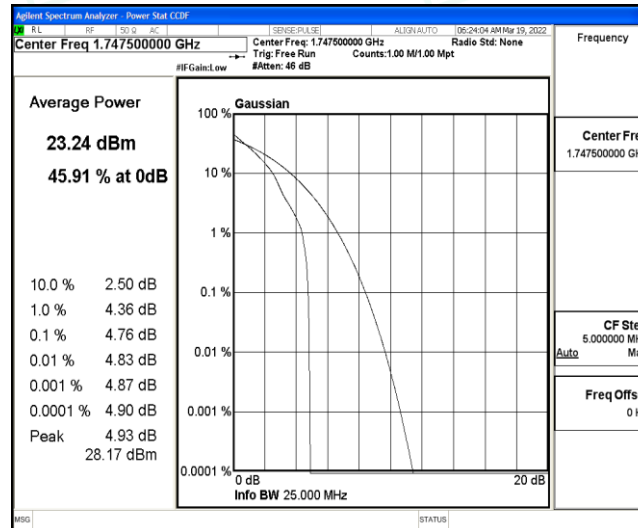


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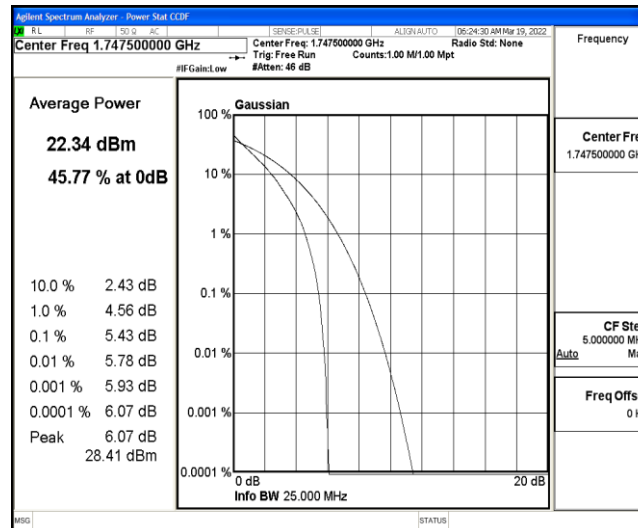
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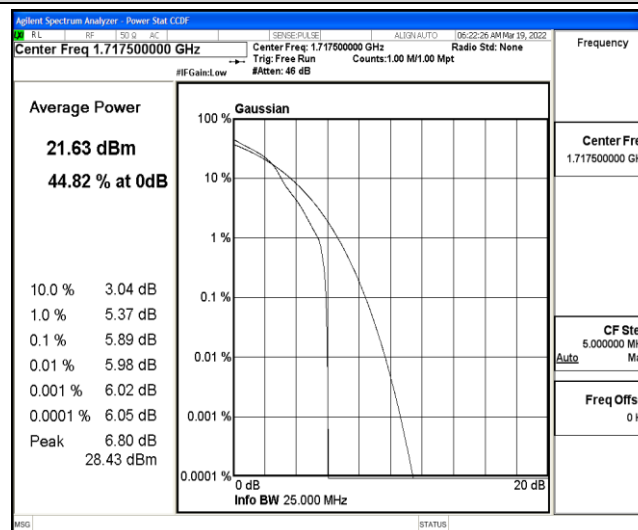
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Band4-15MHz-16QAM-20025-1RB#0



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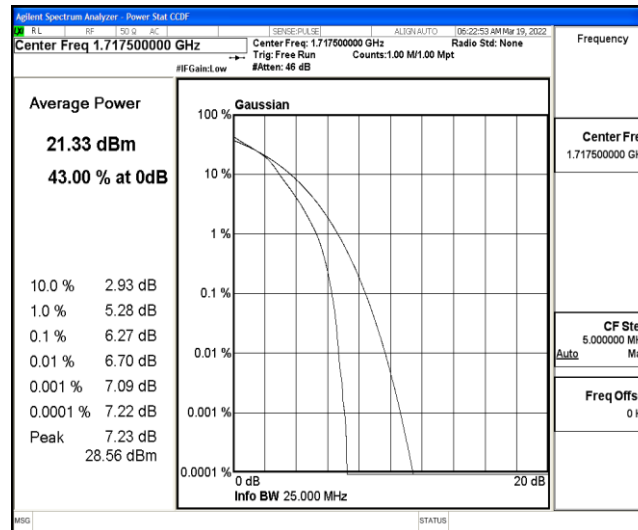
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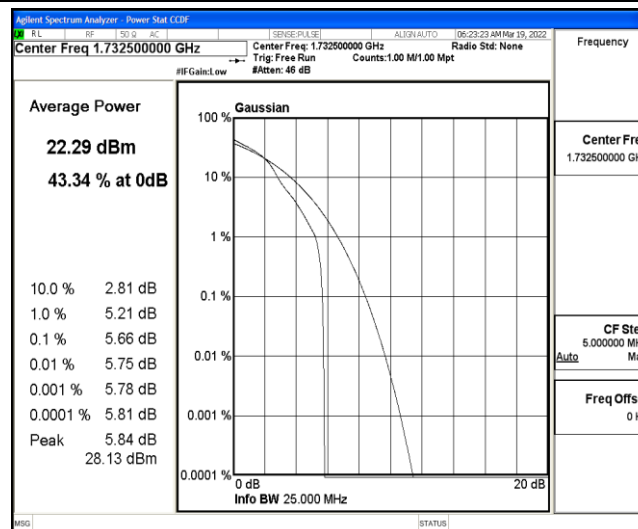
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Band4-15MHz-16QAM-20175-1RB#0



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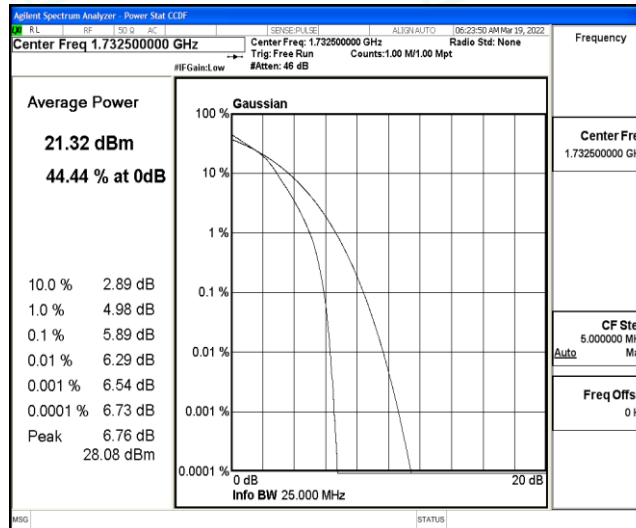


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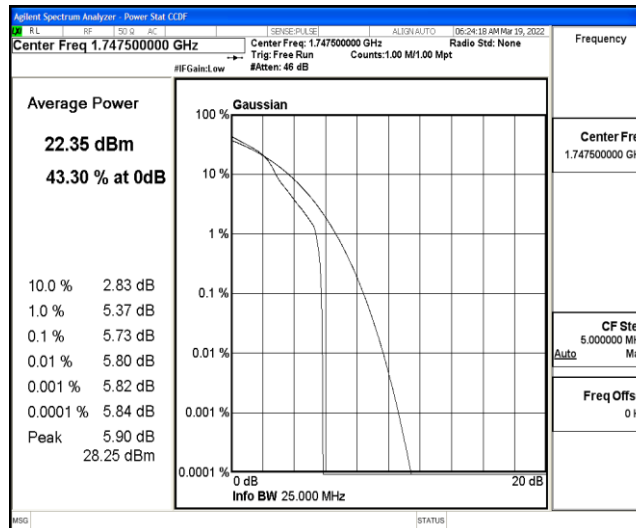
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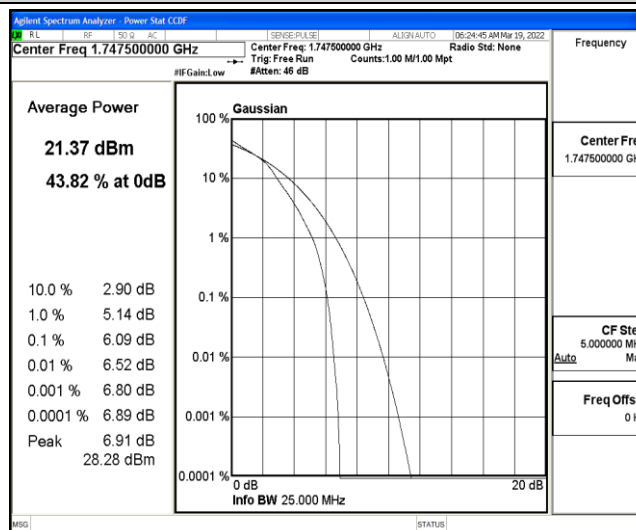
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Band4-15MHz-16QAM-20325-1RB#0



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



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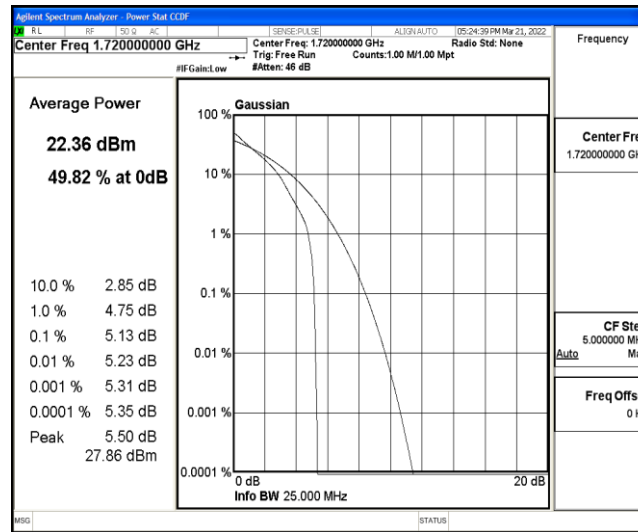
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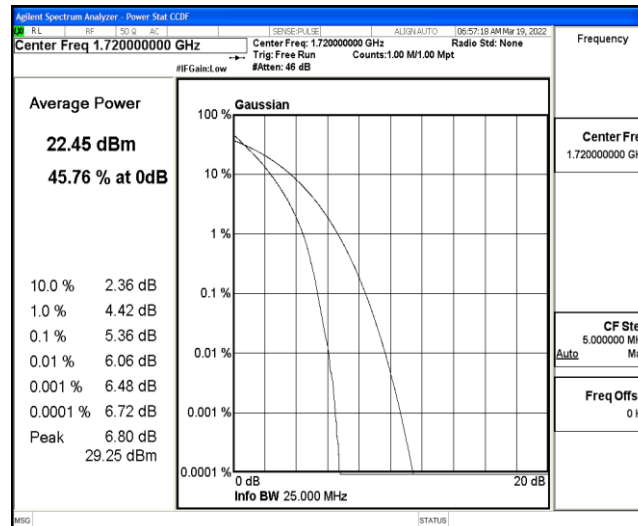
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Band4-20MHz-QPSK-20050-1RB#0



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



Band4-20MHz-QPSK-20175-1RB#0

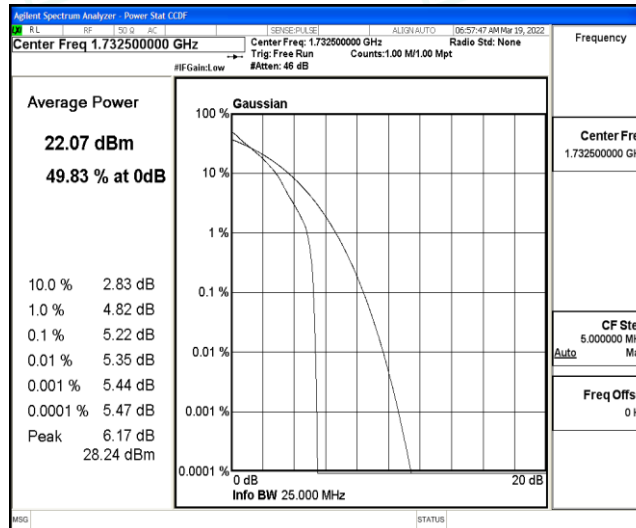


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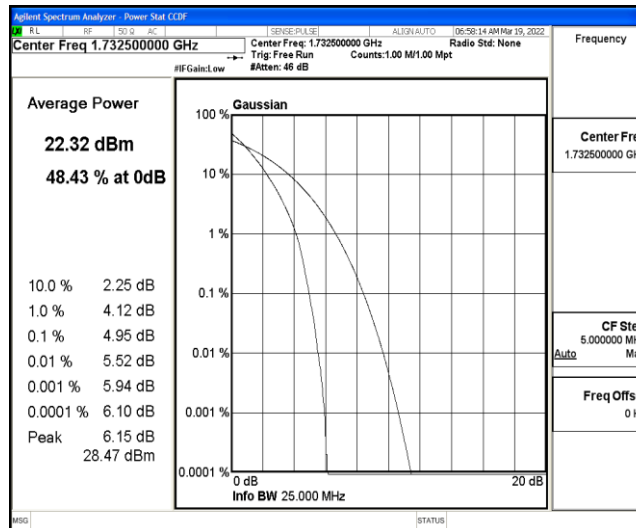
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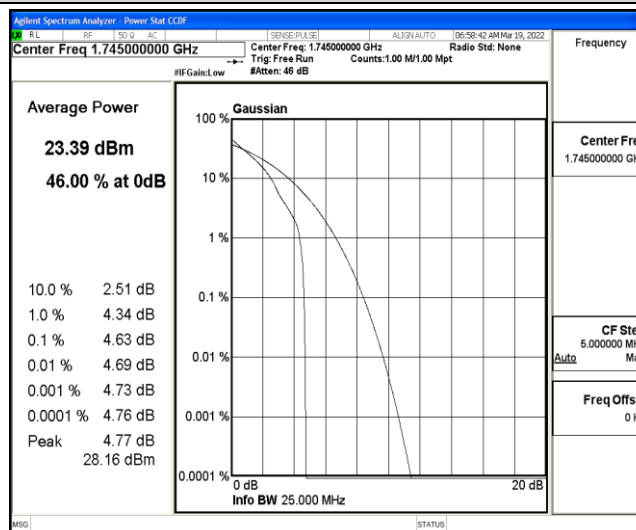
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Band4-20MHz-QPSK-20175-100RB#0



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



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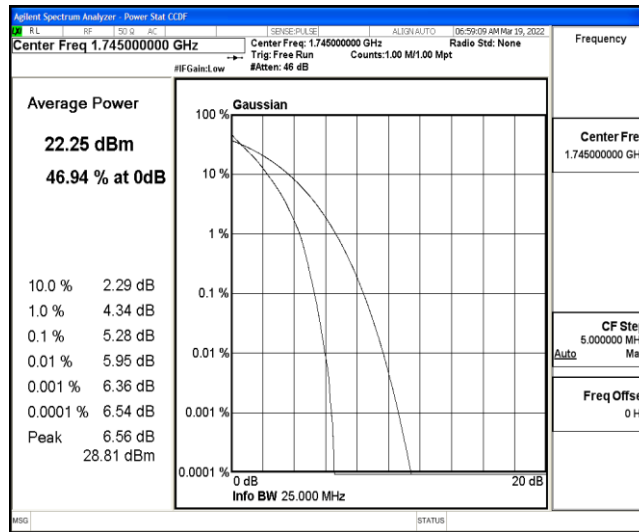
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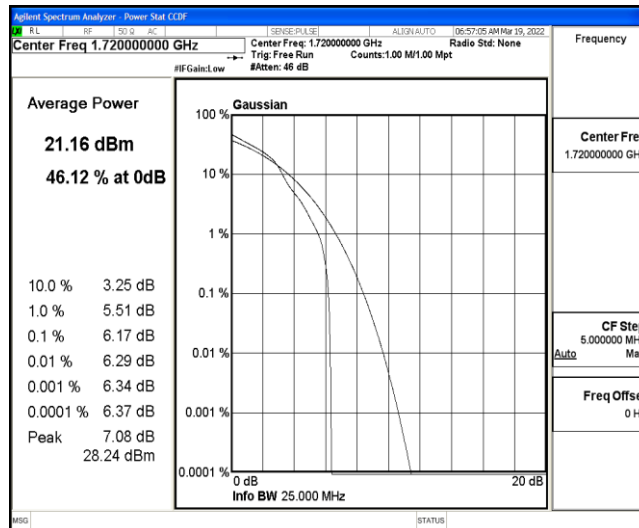
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Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-1RB#0



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

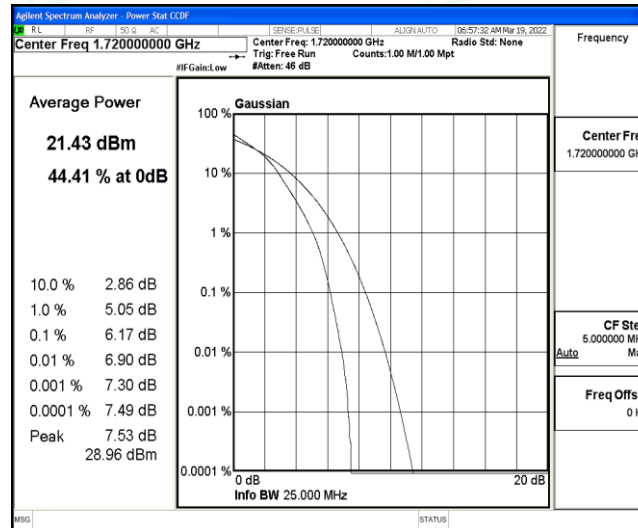


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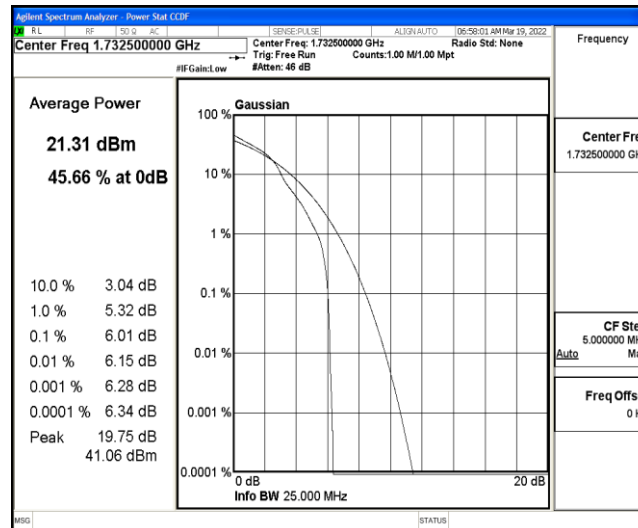
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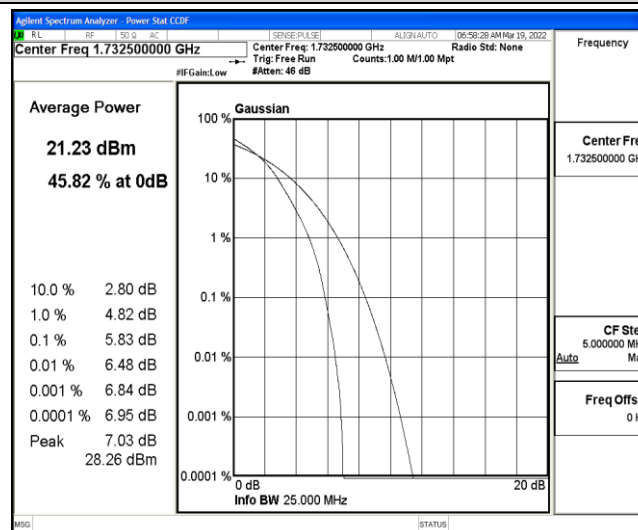
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Band4-20MHz-16QAM-20175-1RB#0



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



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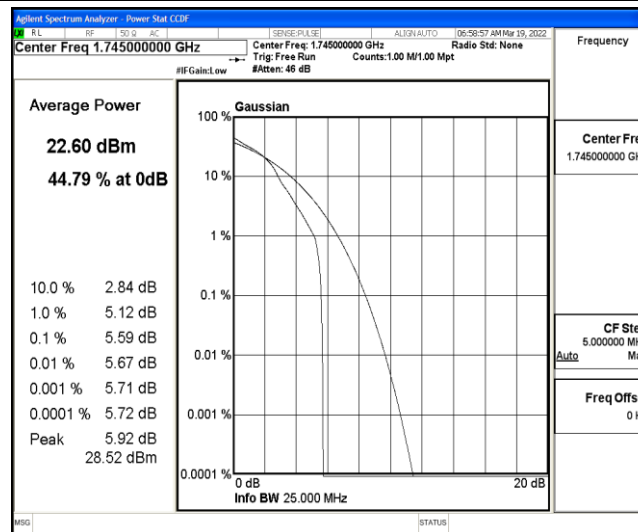
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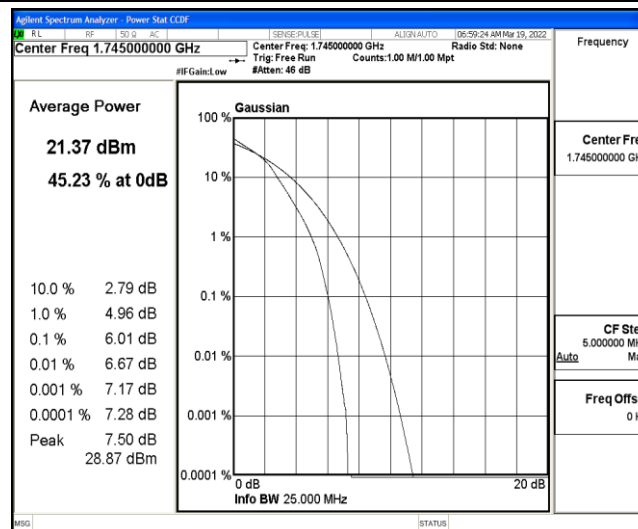
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Band4-20MHz-16QAM-20300-1RB#0



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



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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	1.0934	1.282	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0958	1.305	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0955	1.292	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0912	1.283	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0961	1.287	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0958	1.299	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7001	2.965	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6878	2.946	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6956	2.968	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6931	2.973	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6925	2.973	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7000	2.960	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5051	5.008	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5080	5.009	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5136	5.030	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4962	4.979	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5010	4.972	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5097	5.031	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9860	9.917	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9585	9.904	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9594	9.828	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9694	9.860	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9598	9.848	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9747	9.908	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.496	14.73	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.417	14.69	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.432	14.74	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.483	14.72	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.390	14.63	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.459	14.64	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.979	19.45	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.818	19.34	PASS



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Band4	20MHz	QPSK	20300	100RB#0	17.962	19.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.938	19.60	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.853	19.39	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.938	19.42	PASS



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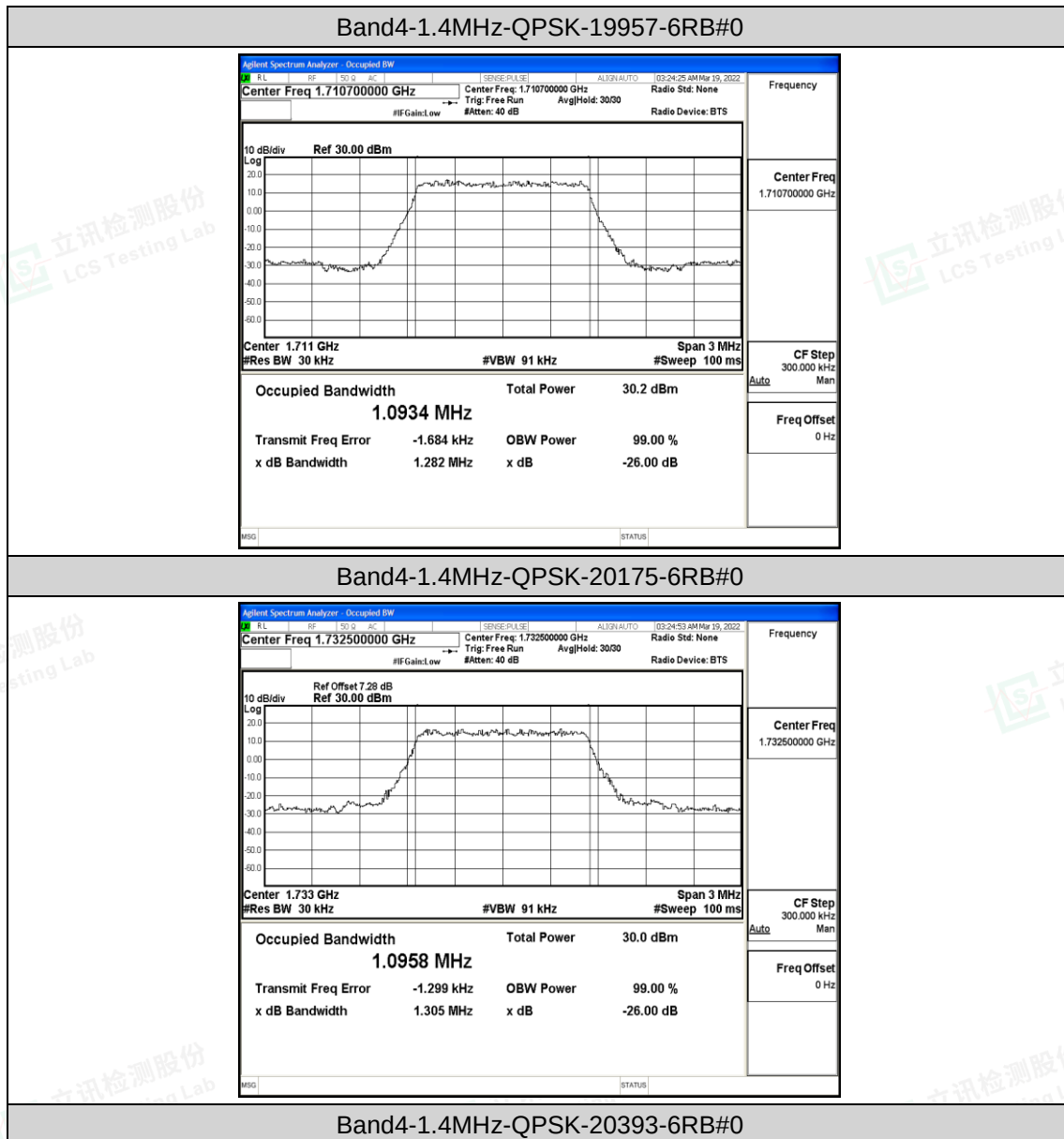
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Test Graphs

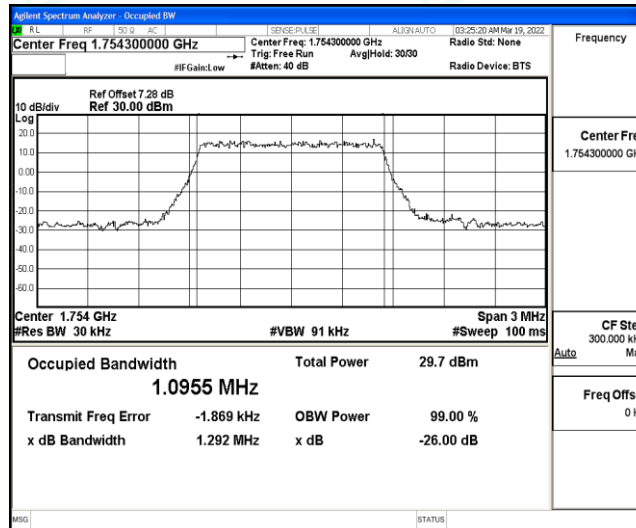


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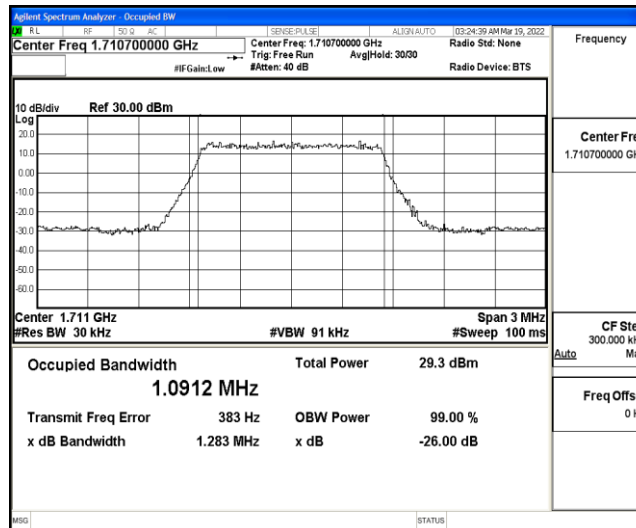
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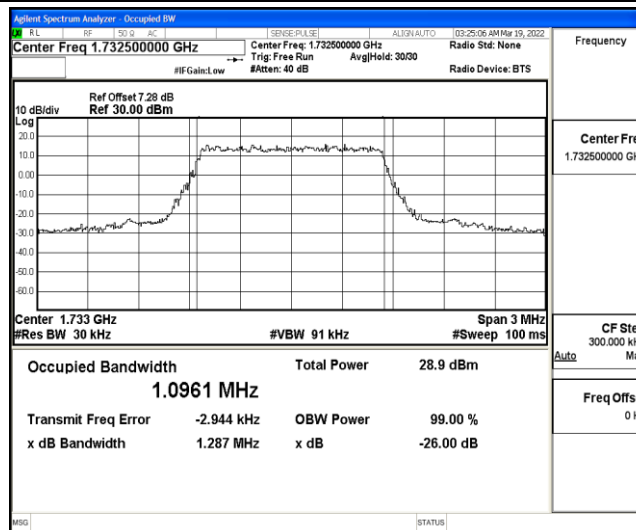
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Band4-1.4MHz-16QAM-19957-6RB#0



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



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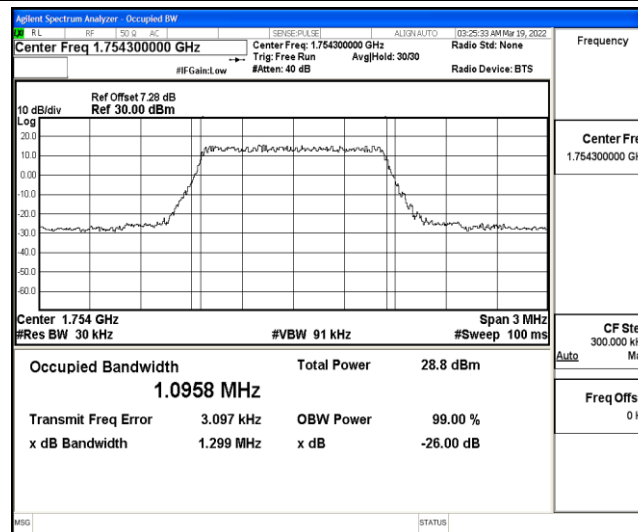
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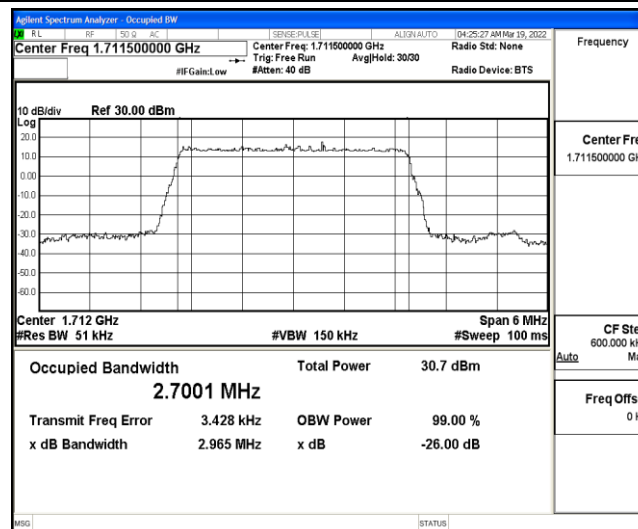
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Band4-1.4MHz-16QAM-20393-6RB#0



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



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

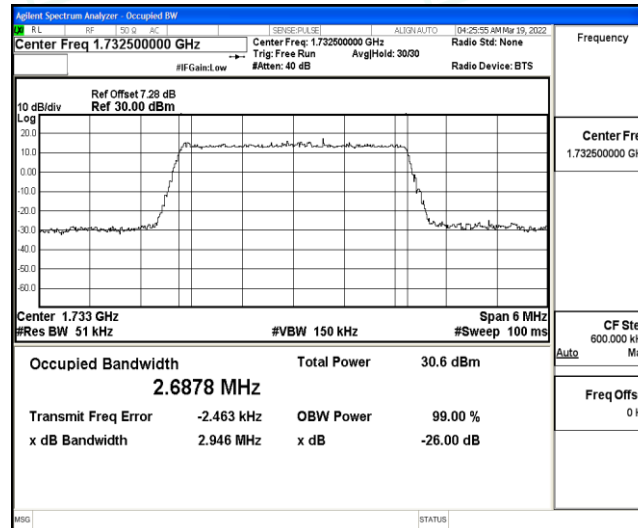


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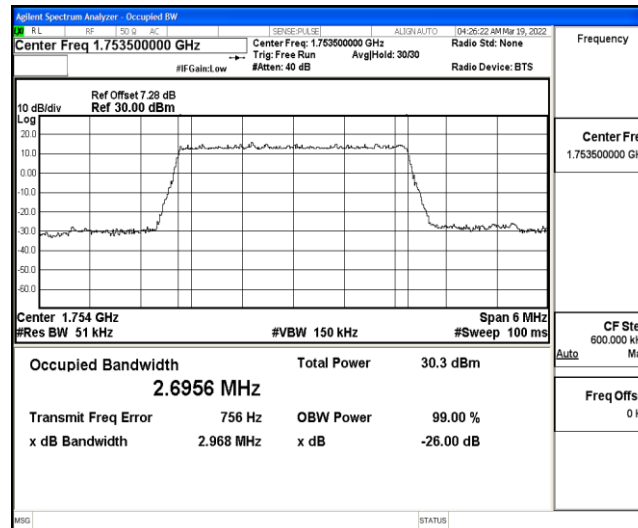
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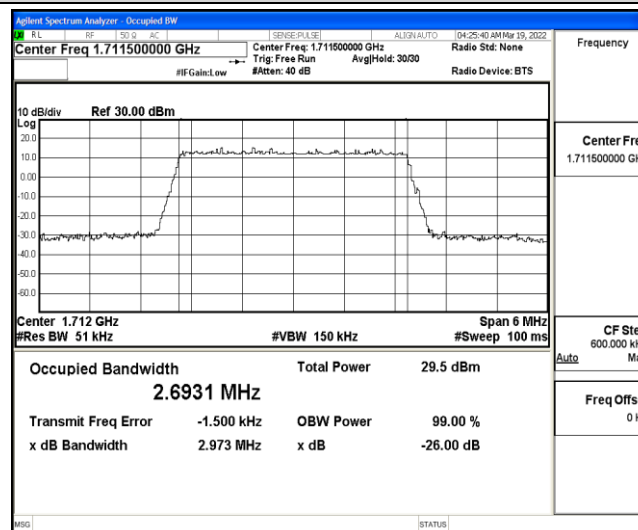
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Band4-3MHz-QPSK-20385-15RB#0



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



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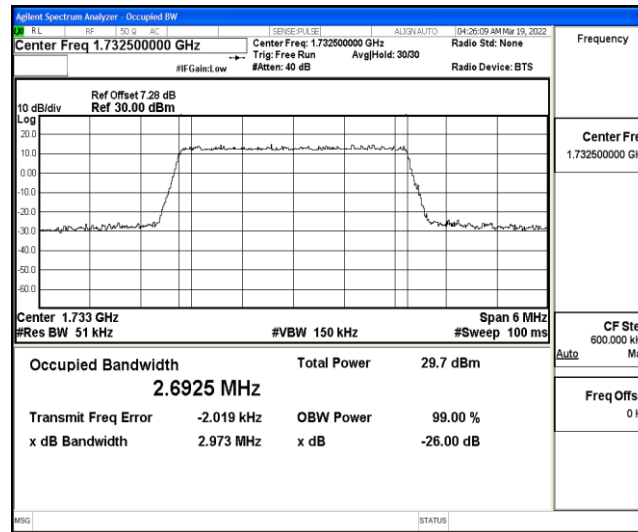
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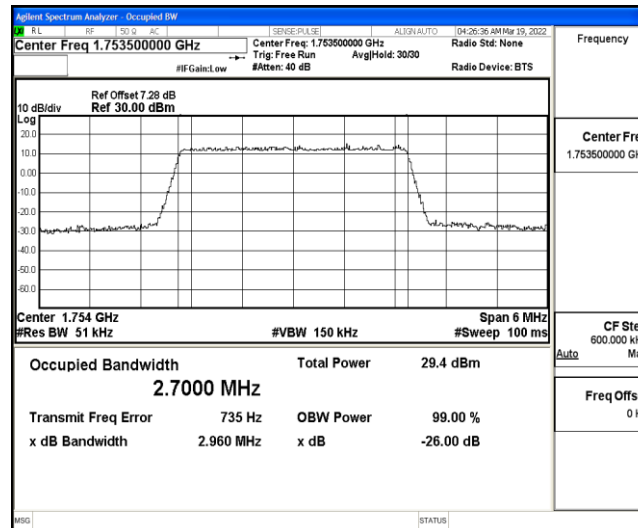
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Band4-3MHz-16QAM-20175-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



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



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