



Appendix E: Test Data for E-UTRA Band 4

Product Name: Smart phone

Test Model: Smooth 5.0 2022

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





E.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	22.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.47	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.57	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.54	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.43	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.42	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.39	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.47	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.47	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.43	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.37	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.35	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.99	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.21	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.18	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.13	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.11	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.06	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.16	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.47	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.56	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.53	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.52	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.37	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.39	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.57	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.40	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.36	PASS



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Scan code to check authenticity



Band4	1.4MHz	16QAM	20175	1RB#5	21.28	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.24	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.21	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.41	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.12	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.25	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.07	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.88	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.91	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.88	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.36	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.24	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.49	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.39	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.73	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.59	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.72	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.74	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.50	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.46	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.52	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.59	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.64	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.50	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.47	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.05	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.99	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.09	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.17	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.12	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.18	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.12	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.50	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.41	PASS



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Band4	3MHz	16QAM	19965	1RB#14	21.67	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.87	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.60	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.68	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.56	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.46	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.54	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.09	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.51	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.49	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.55	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.46	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.89	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.93	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.32	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.07	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.34	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.18	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.16	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.59	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.54	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.48	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.72	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.77	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.58	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.62	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.41	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.44	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.50	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.48	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.34	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.47	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.54	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.32	PASS



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Band4	5MHz	QPSK	20375	1RB#24	22.28	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.20	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.09	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.12	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.13	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.60	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.53	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.51	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.60	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.56	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.51	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.51	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.34	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.31	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.37	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.56	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.54	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.31	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.56	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.26	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.05	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.22	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.36	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.04	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.28	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.40	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.15	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.23	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.18	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.52	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.78	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.25	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.42	PASS



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Scan code to check authenticity



Band4	10MHz	QPSK	20175	1RB#49	21.99	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.41	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.40	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.29	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.34	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.69	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.37	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.47	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.46	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.26	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.28	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.18	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.34	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.12	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.01	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.76	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.89	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.34	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.80	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.17	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.46	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.38	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.35	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.37	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.20	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.67	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.03	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.59	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.67	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.31	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.33	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.70	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.59	PASS



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Scan code to check authenticity



Band4	15MHz	QPSK	20025	1RB#74	21.63	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.90	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.81	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.36	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.57	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.43	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.57	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.09	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.50	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.60	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.40	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.60	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.32	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.67	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.15	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.80	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.61	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.38	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.62	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.66	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.61	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.89	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.58	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.81	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.10	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.55	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.53	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.42	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.47	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.42	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.44	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.35	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.40	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.74	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.44	PASS



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Band4	15MHz	16QAM	20325	1RB#74	21.37	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.42	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.60	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.54	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.59	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.64	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.83	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.18	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.53	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.42	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.25	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.47	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.72	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.70	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.05	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.40	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.38	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.28	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.44	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.18	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.66	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.18	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.47	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.36	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.23	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.34	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.53	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.78	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.43	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.50	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.41	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.41	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.41	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.98	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.45	PASS



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Band4	20MHz	16QAM	20175	1RB#99	21.01	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.58	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.44	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.34	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.50	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.58	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.36	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.20	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.56	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.43	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.29	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.47	PASS



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Scan code to check authenticity



E.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	5.20	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.55	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.04	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.67	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.17	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.58	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.03	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.47	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.85	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.68	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.97	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.57	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.25	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.62	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.17	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.86	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.34	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.61	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.10	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.50	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.97	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.68	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.07	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.65	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.28	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.56	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.07	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.82	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.27	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.57	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.15	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.47	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.85	13	PASS



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Band4	5MHz	16QAM	20375	1RB#0	5.67	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.02	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.87	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.65	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.60	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.04	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.79	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.20	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.73	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.16	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.53	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.83	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.80	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.99	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	5.27	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.62	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.78	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.15	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.78	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.42	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.63	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.29	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.70	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.89	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.77	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.09	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	5.34	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.35	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.31	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.95	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.65	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	6.23	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.15	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	6.04	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.82	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.65	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.02	13	PASS



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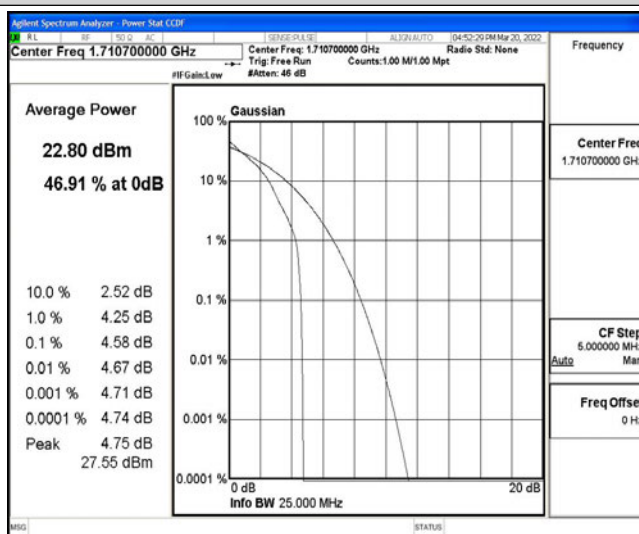
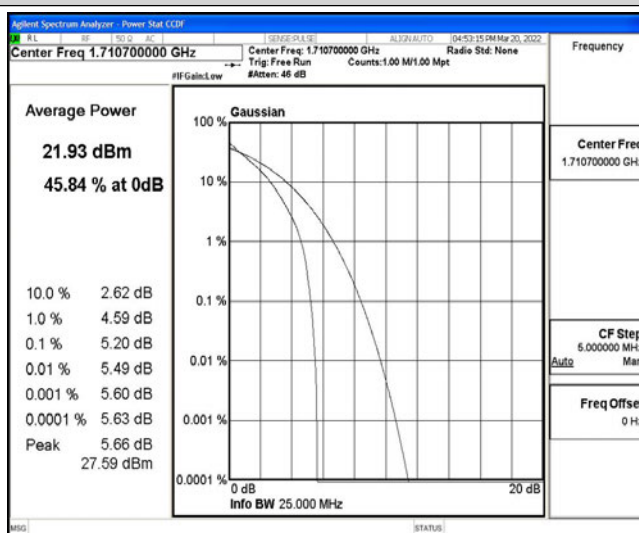
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Test Graphs

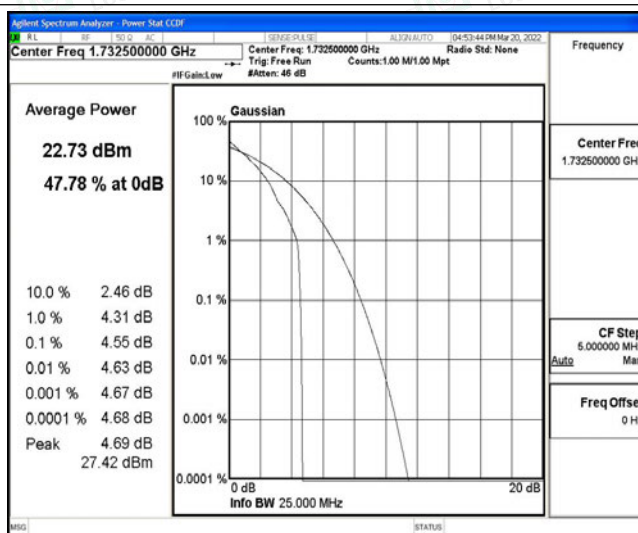
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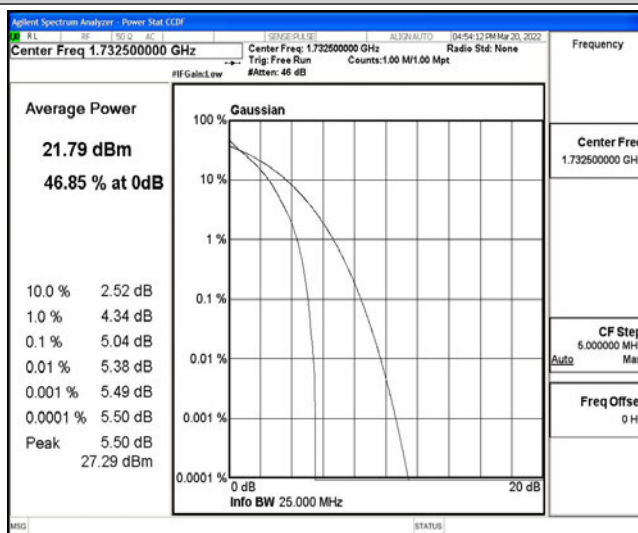
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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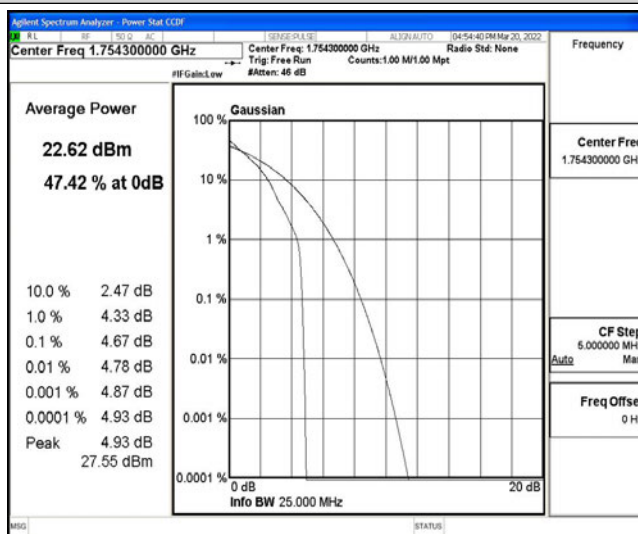
Scan code to check authenticity



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



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



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

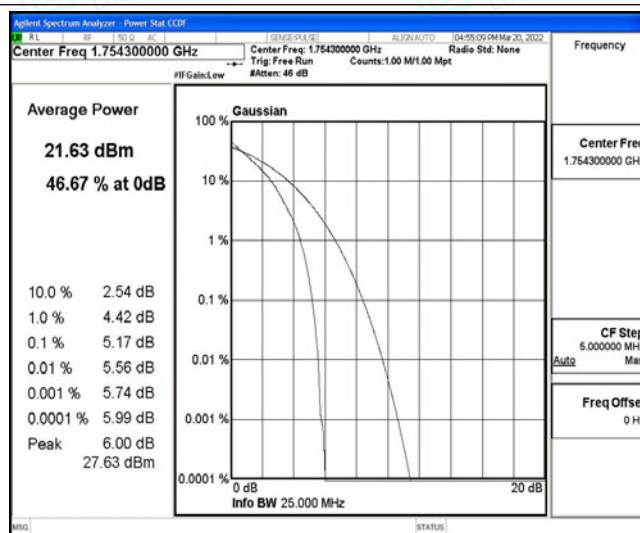


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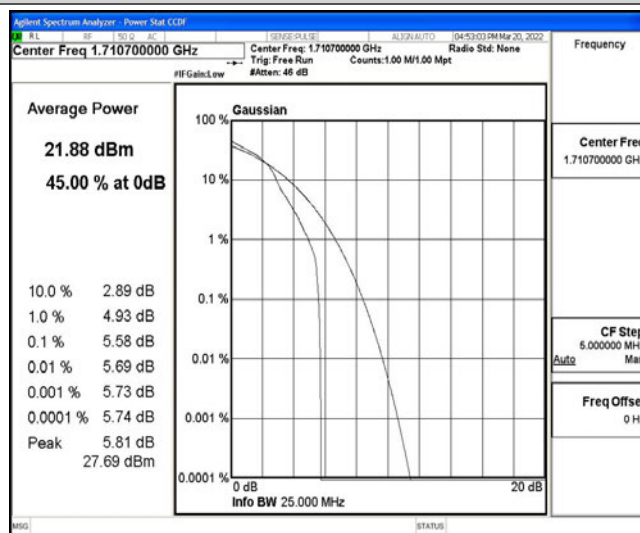
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

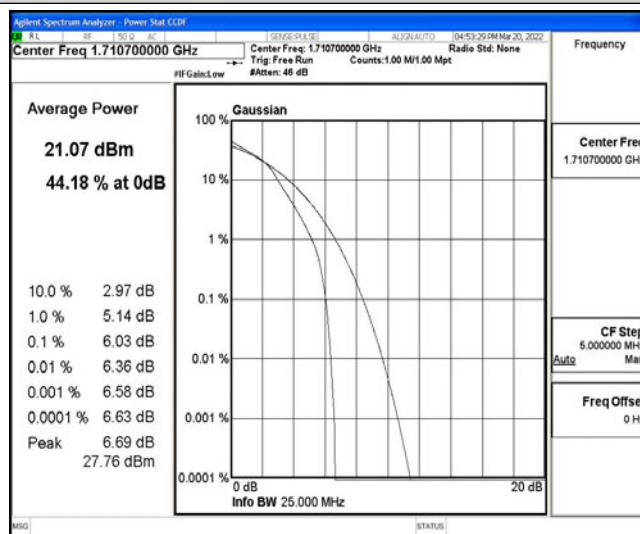
Scan code to check authenticity



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



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



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

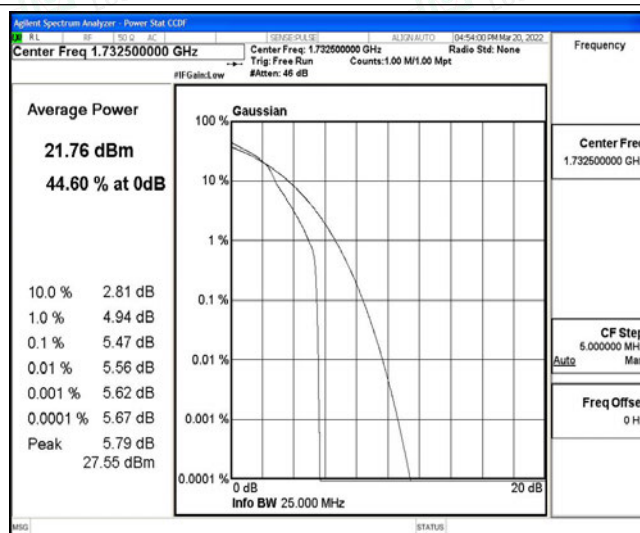


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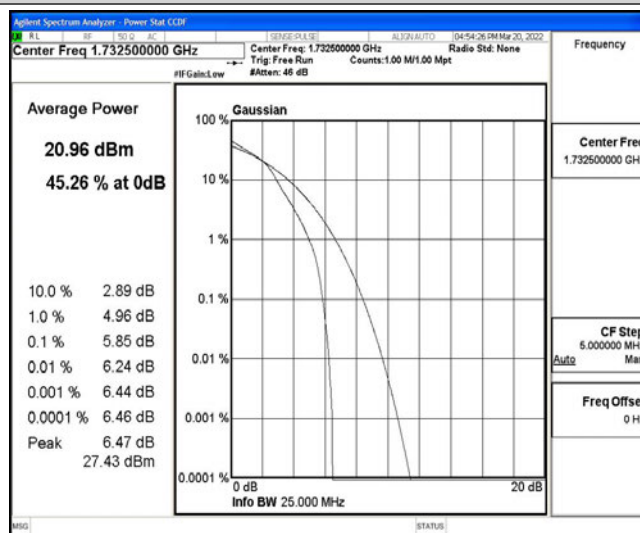
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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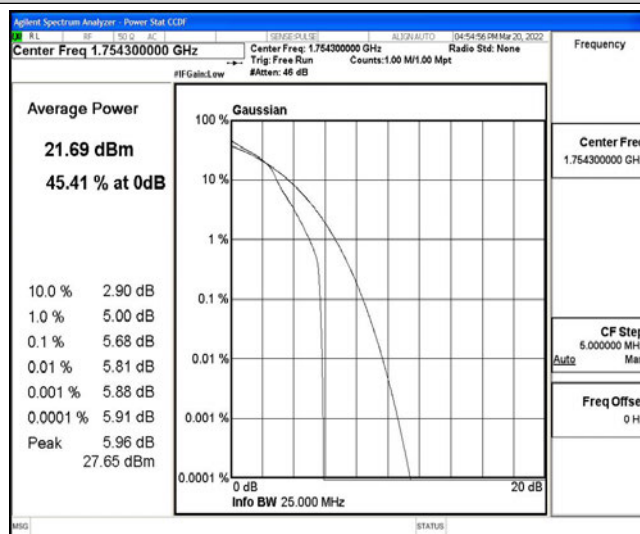
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Band4-1.4MHz-16QAM-20175-6RB#0



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



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

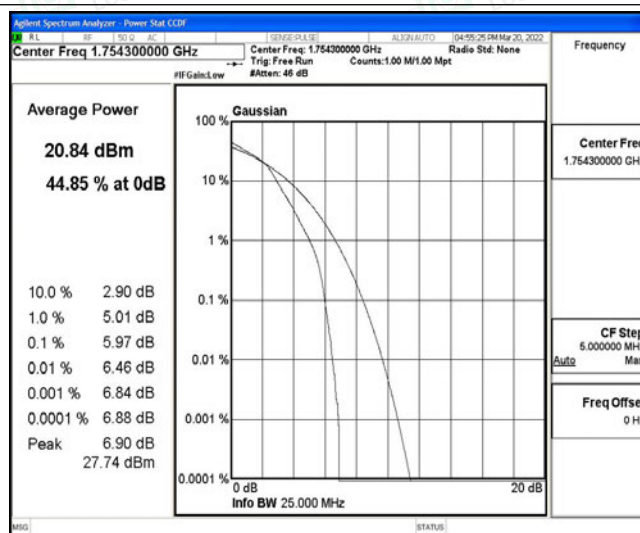


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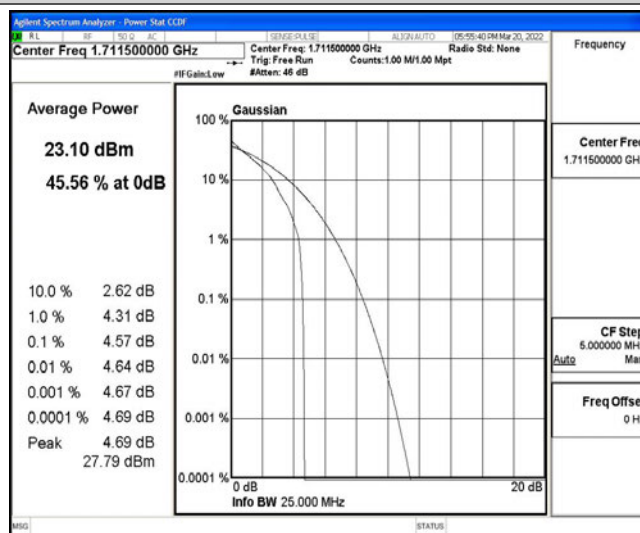
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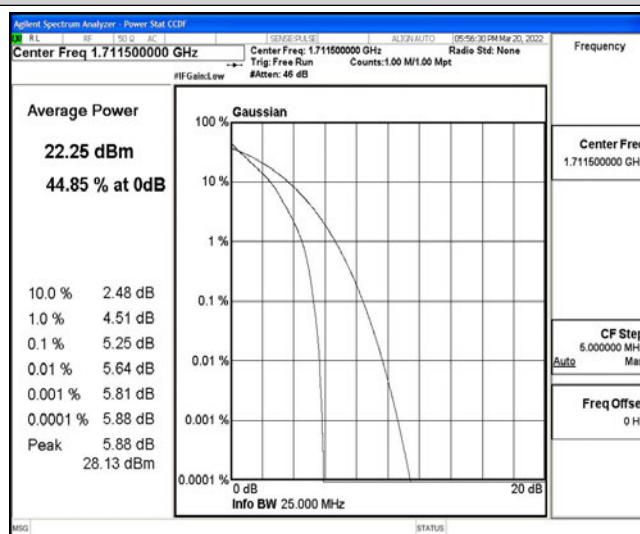
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Band4-3MHz-QPSK-19965-1RB#0



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



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

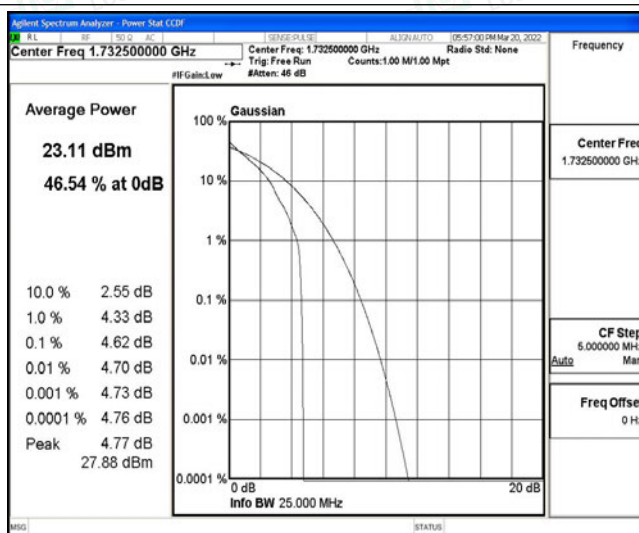


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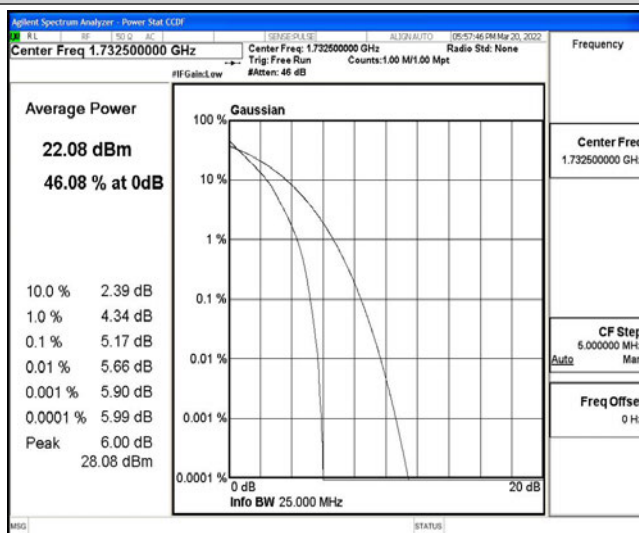
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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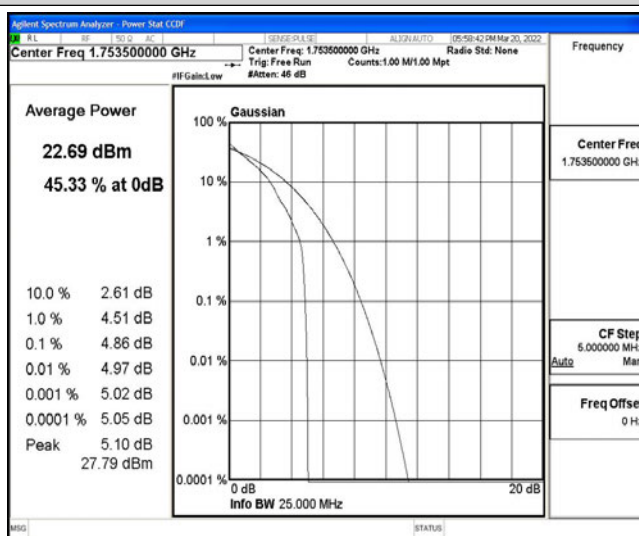
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Band4-3MHz-QPSK-20175-15RB#0



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



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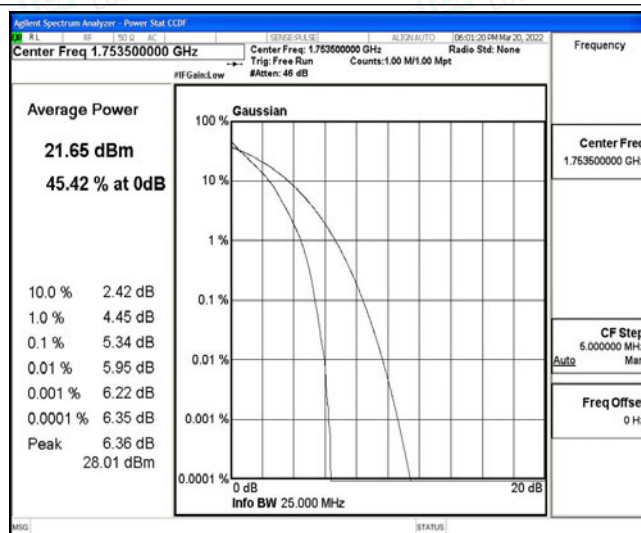


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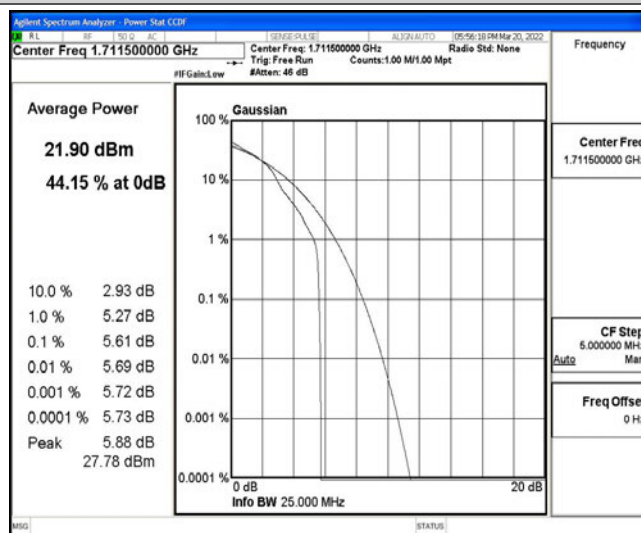
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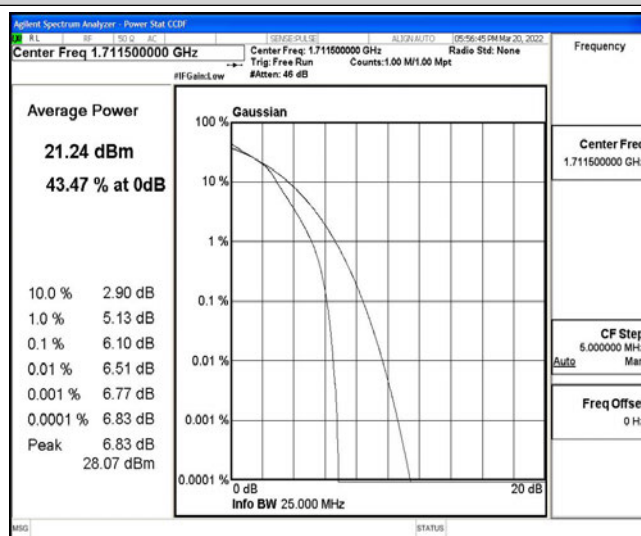
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Band4-3MHz-16QAM-19965-1RB#0



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



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

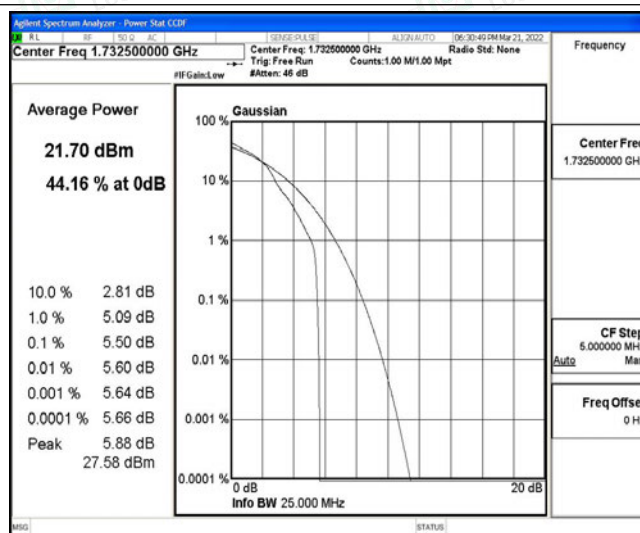


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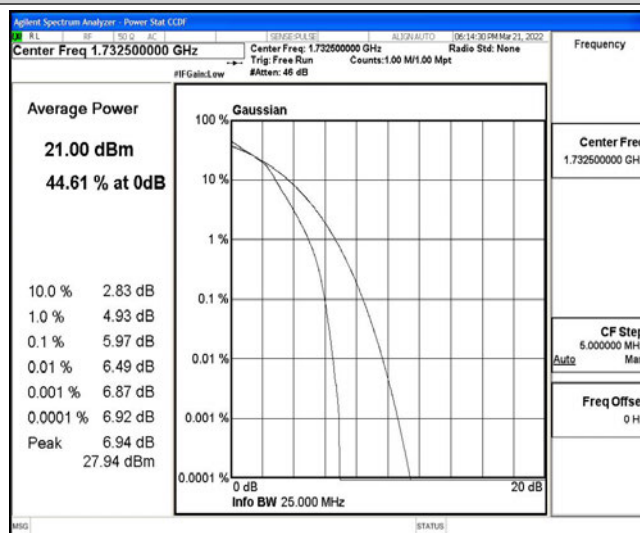
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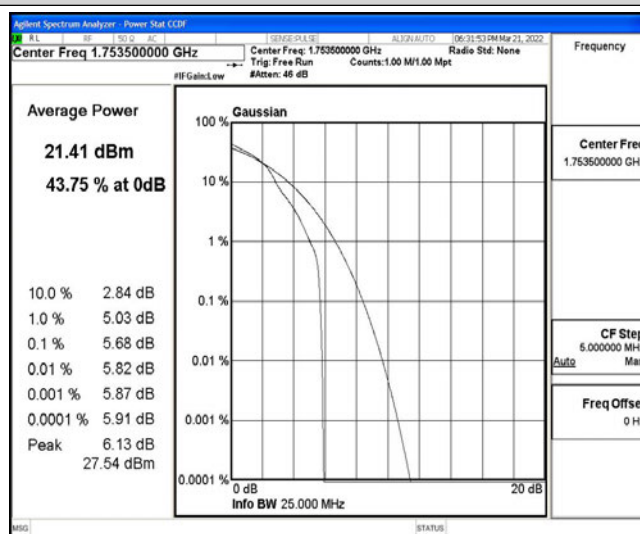
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Band4-3MHz-16QAM-20175-15RB#0



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



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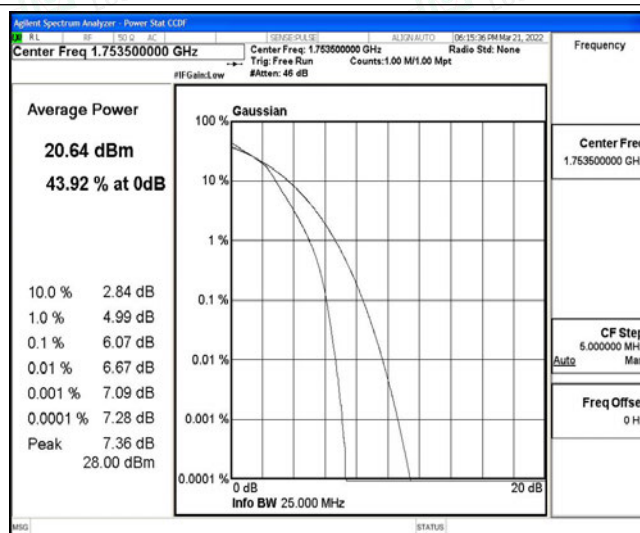


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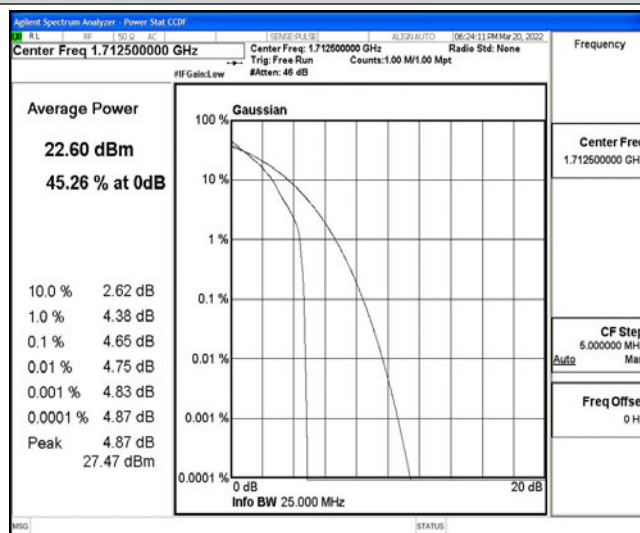
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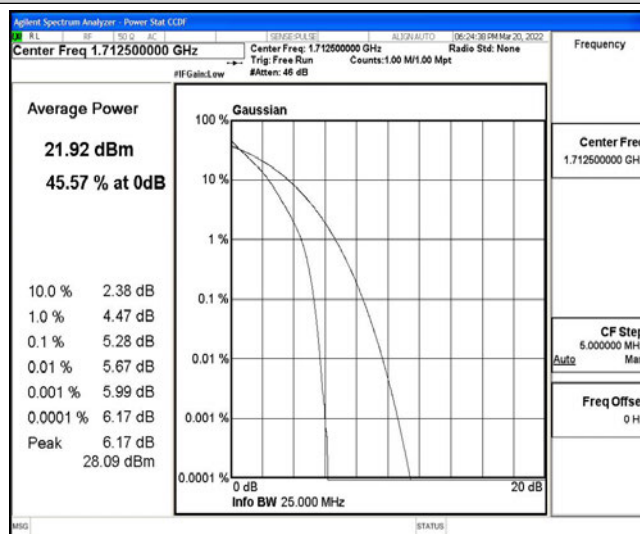
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Band4-5MHz-QPSK-19975-1RB#0



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



Band4-5MHz-QPSK-20175-1RB#0

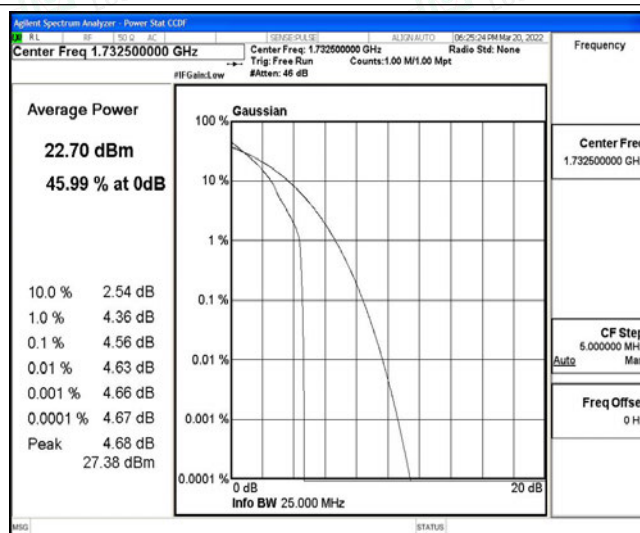


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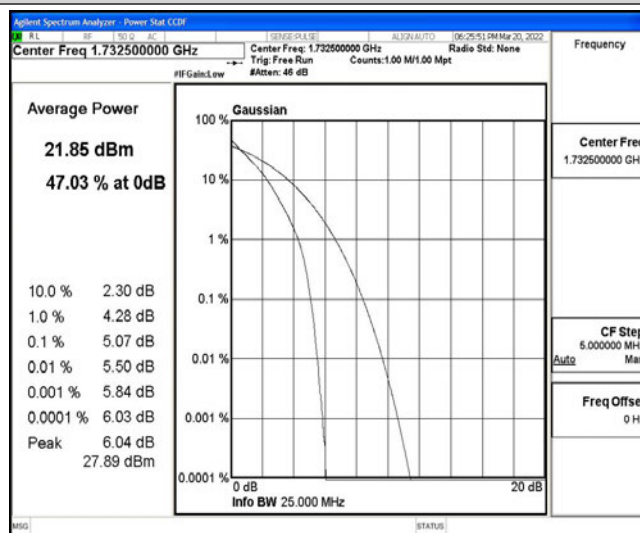
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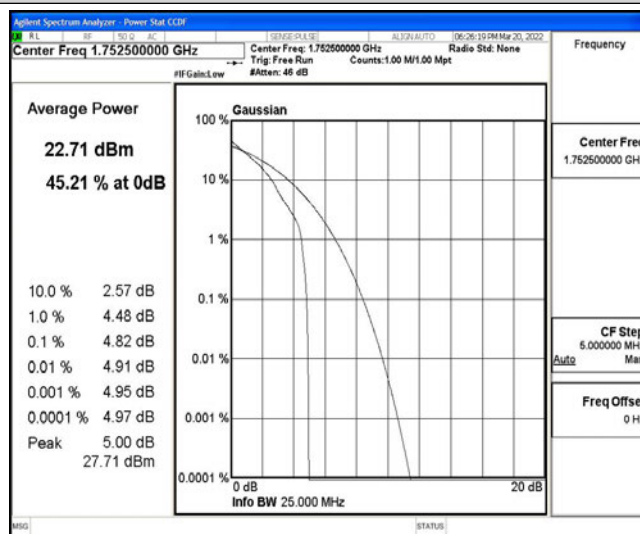
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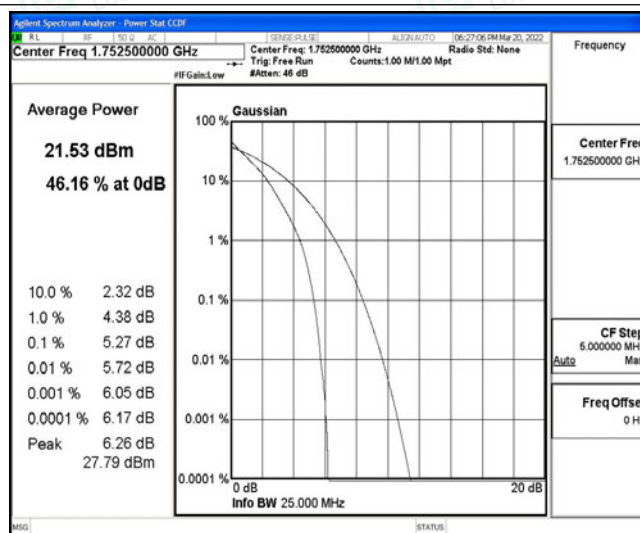


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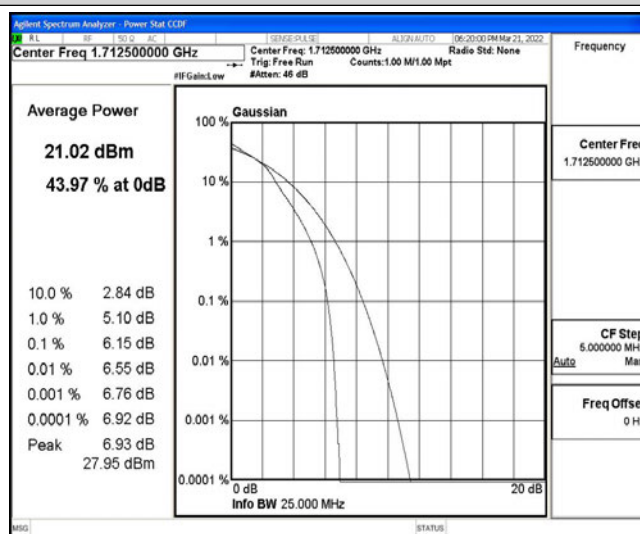
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Scan code to check authenticity



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

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



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

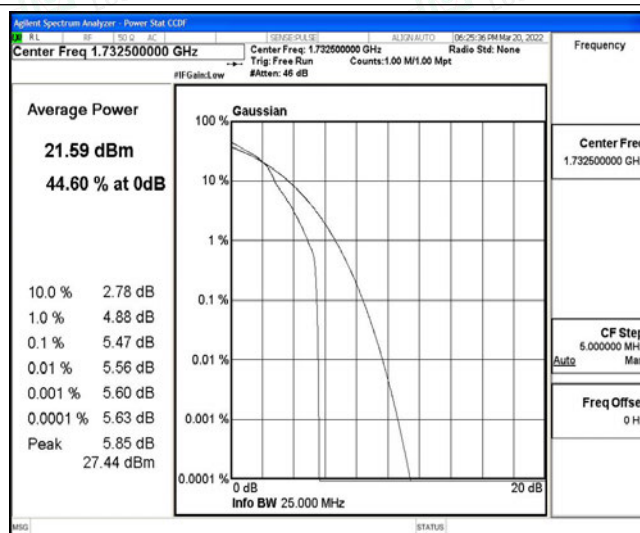


Shenzhen LCS Compliance Testing Laboratory Ltd.

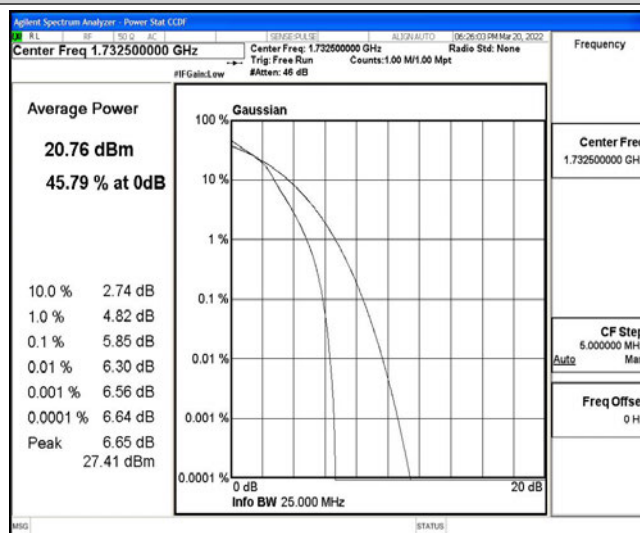
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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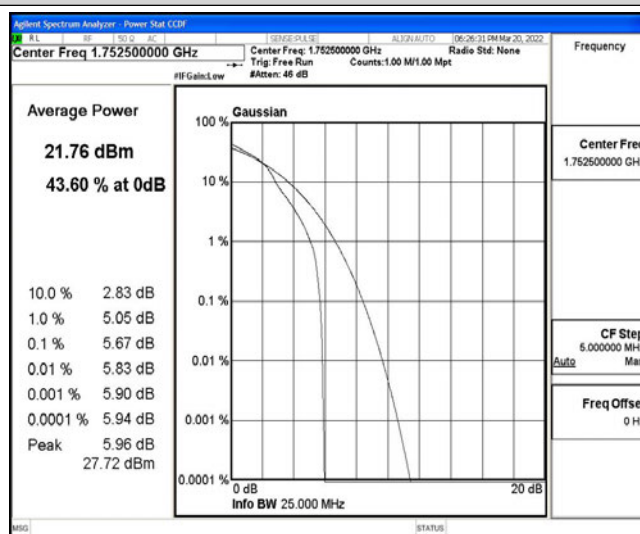
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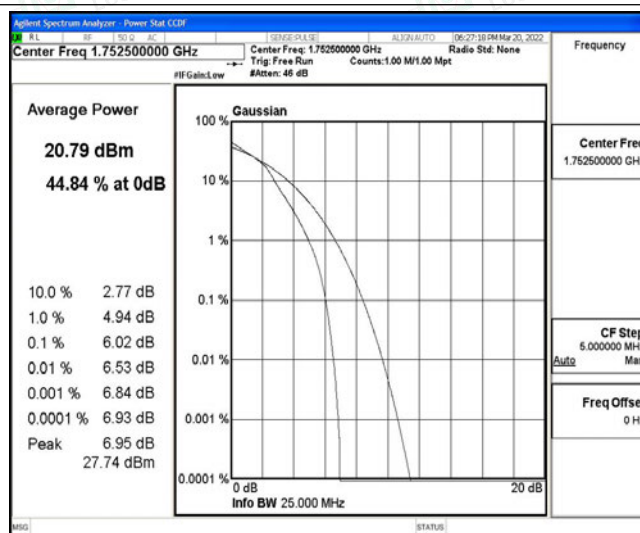


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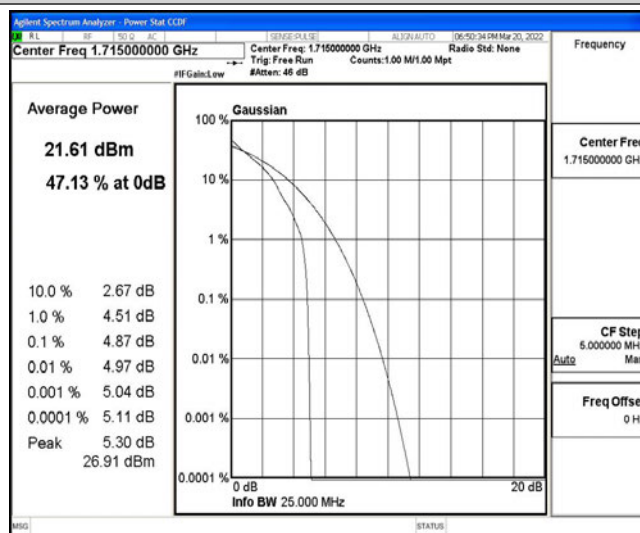
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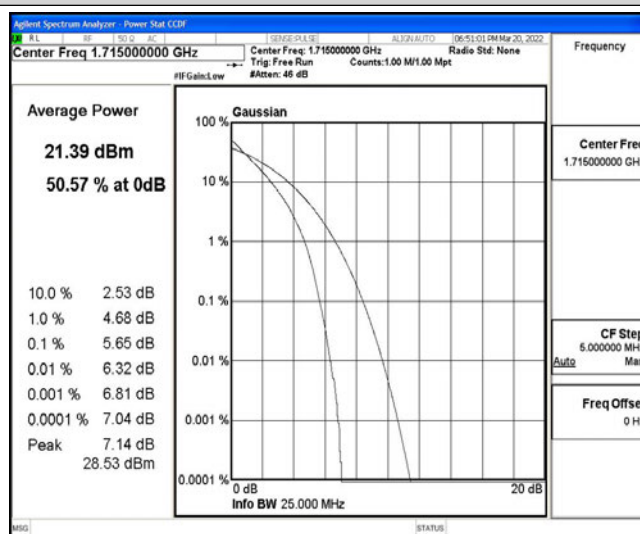
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Band4-10MHz-QPSK-20000-1RB#0



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



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

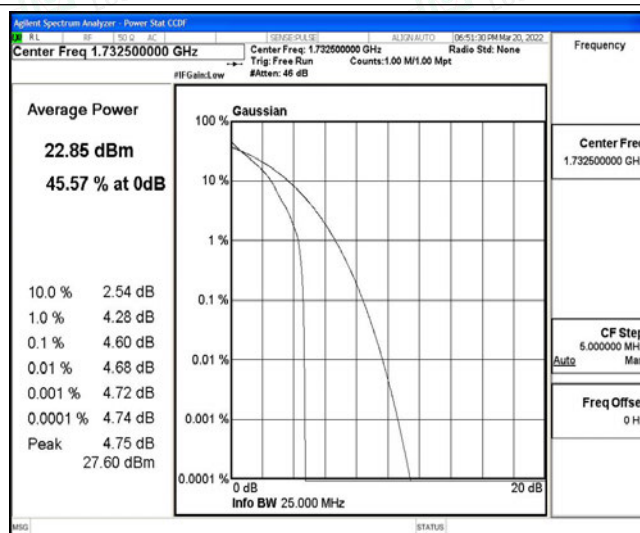


Shenzhen LCS Compliance Testing Laboratory Ltd.

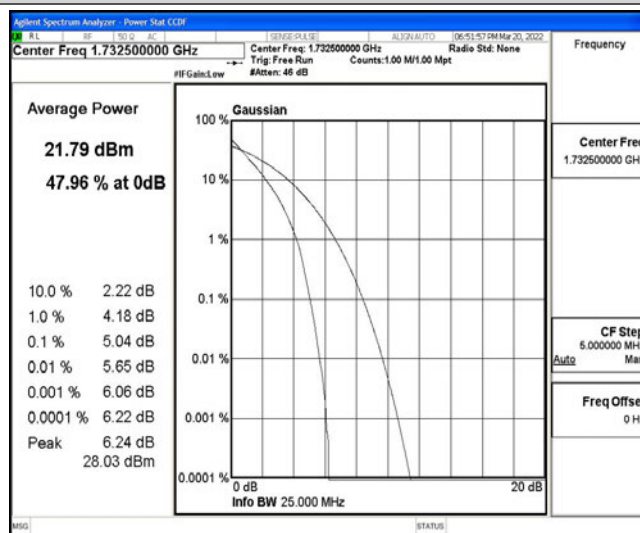
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

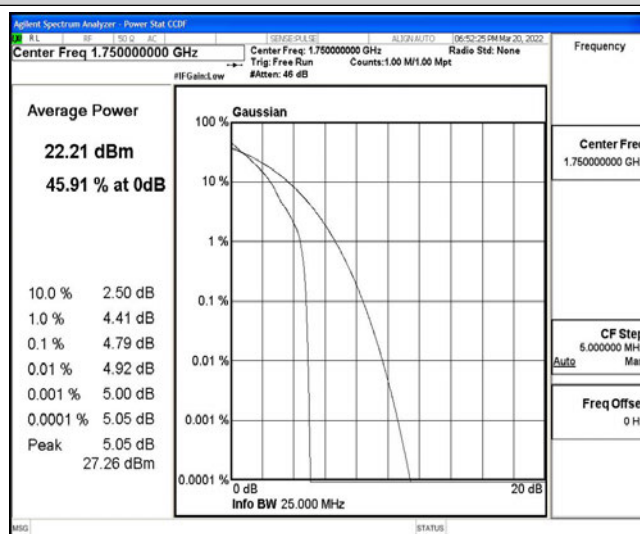
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Band4-10MHz-QPSK-20350-1RB#0



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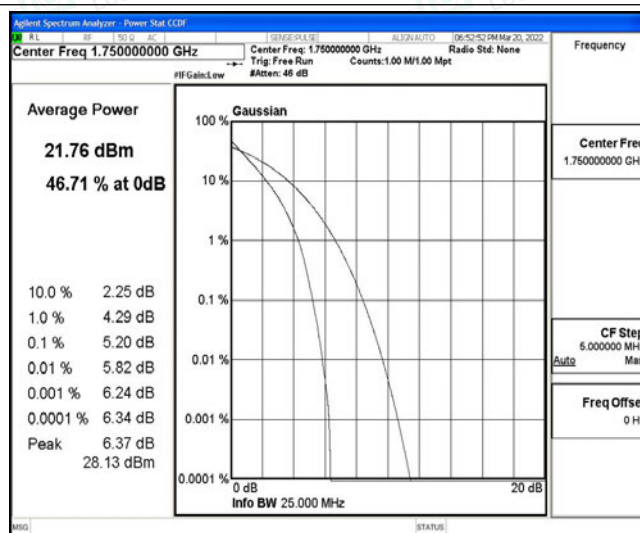


Shenzhen LCS Compliance Testing Laboratory Ltd.

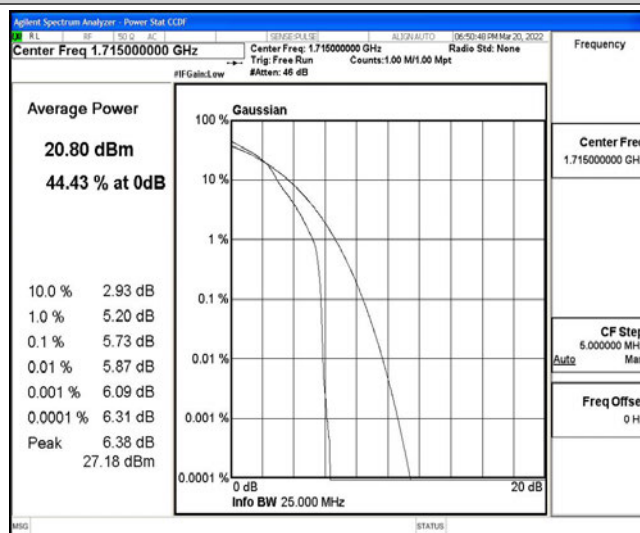
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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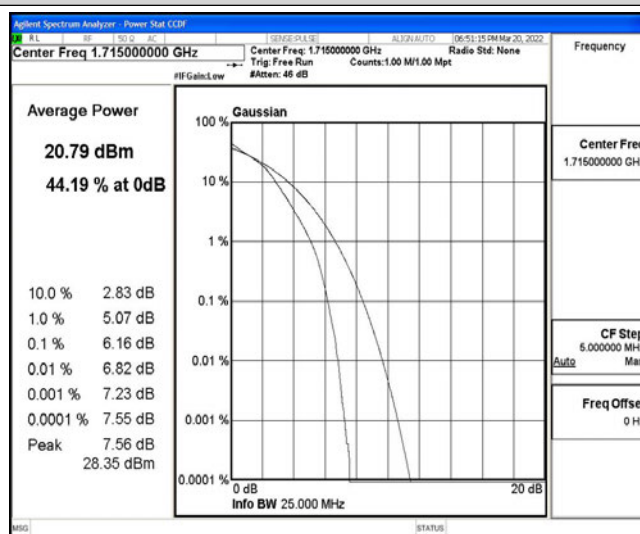
Scan code to check authenticity



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



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



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

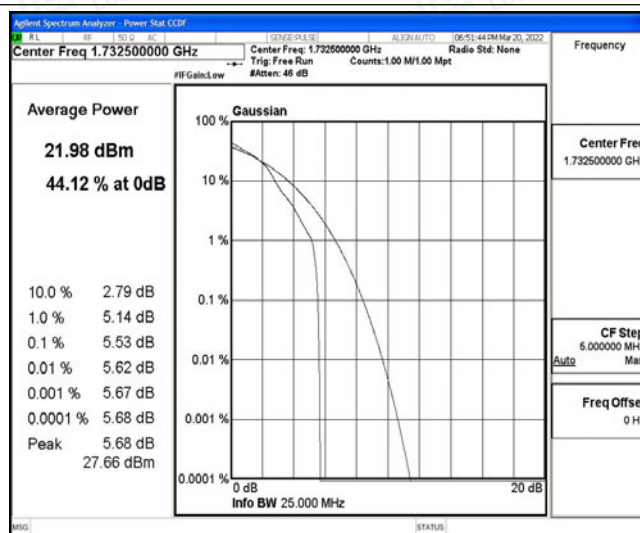


Shenzhen LCS Compliance Testing Laboratory Ltd.

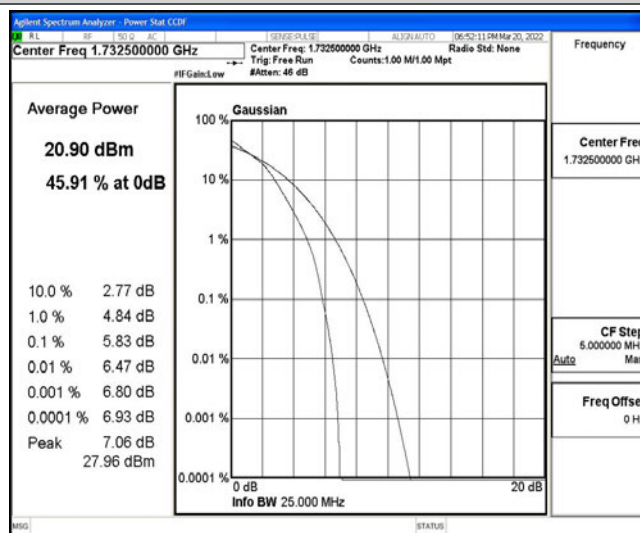
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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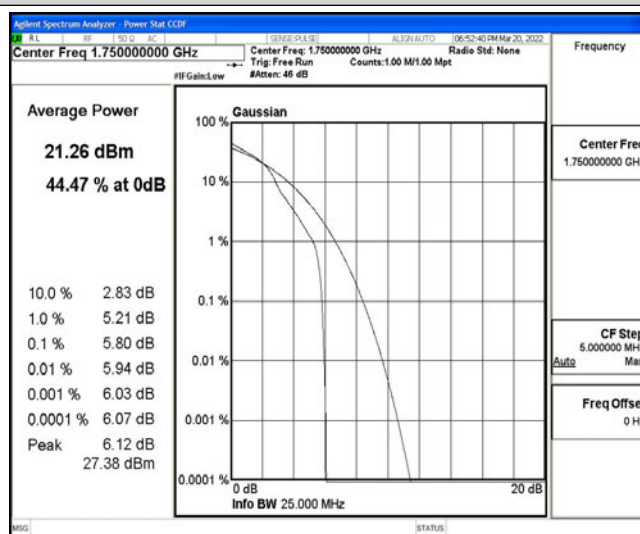
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Band4-10MHz-16QAM-20175-50RB#0



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



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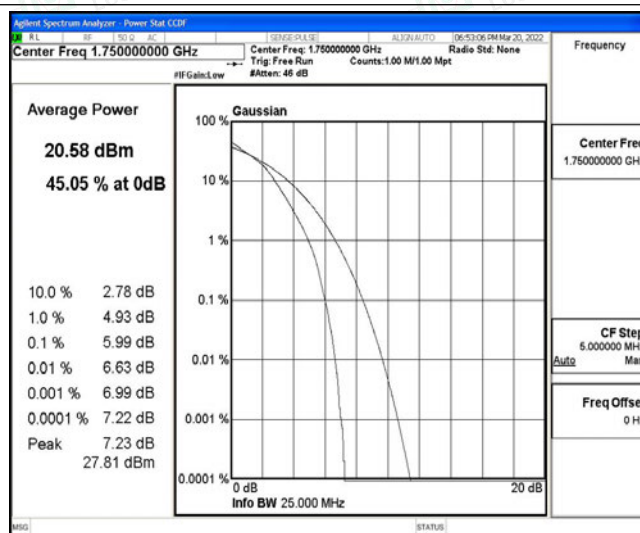


Shenzhen LCS Compliance Testing Laboratory Ltd.

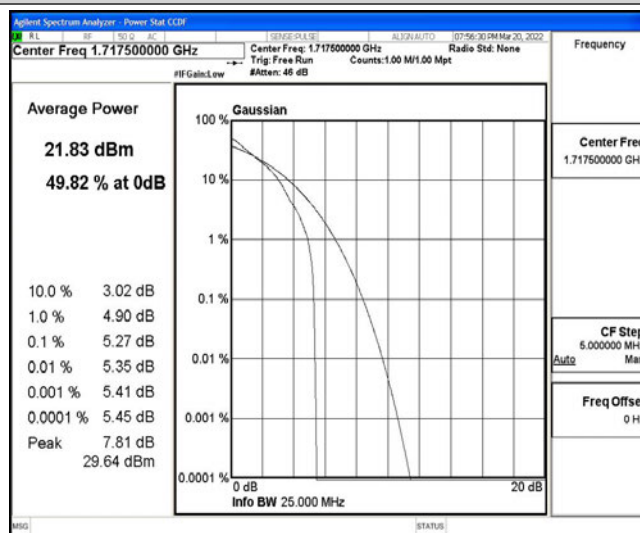
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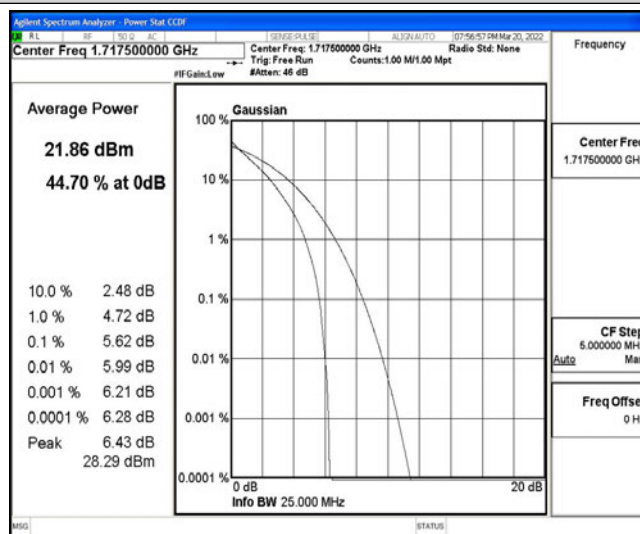
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Band4-15MHz-QPSK-20025-1RB#0



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



Band4-15MHz-QPSK-20175-1RB#0

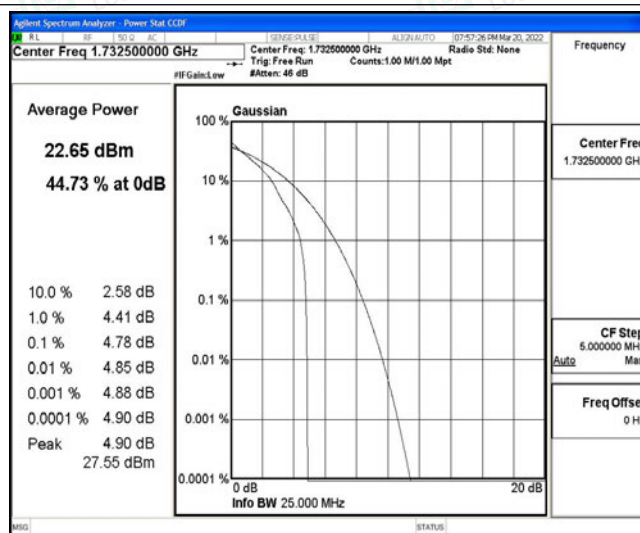


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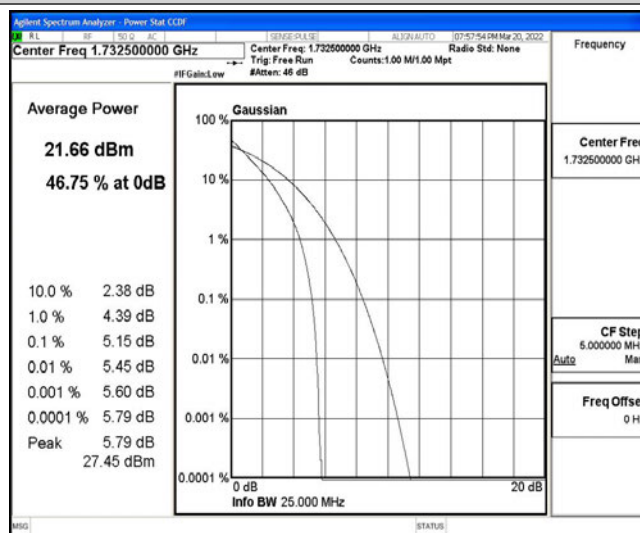
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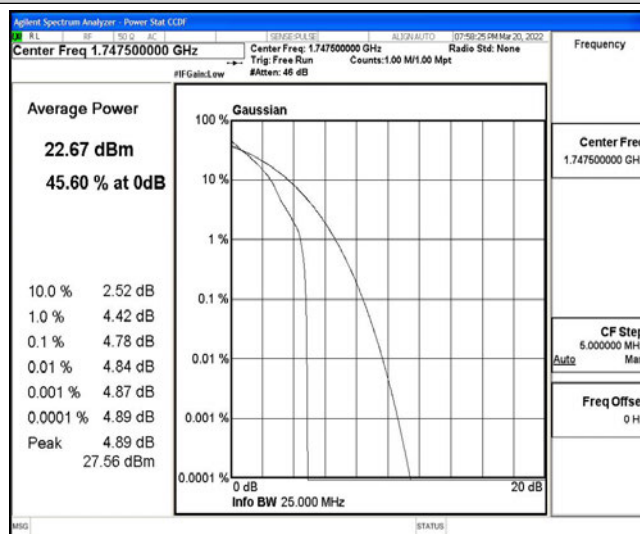
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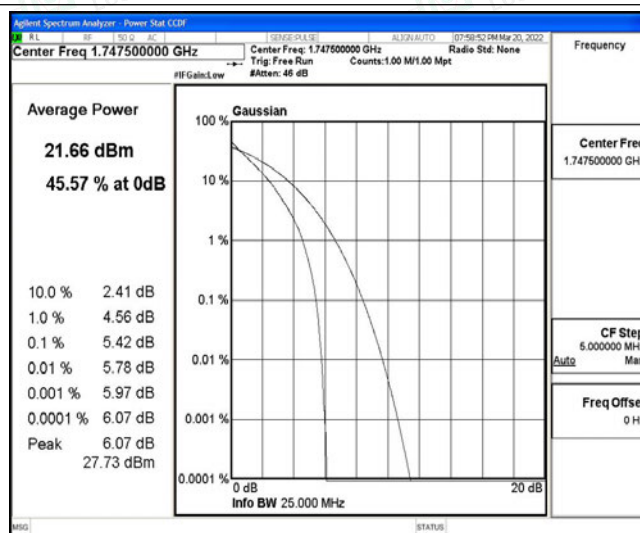


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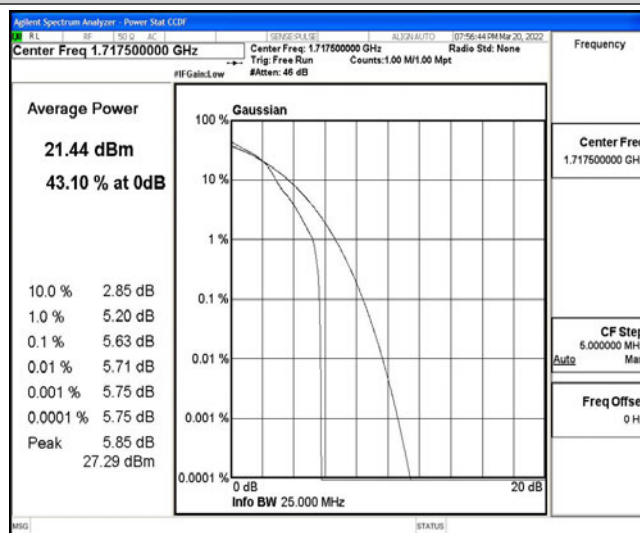
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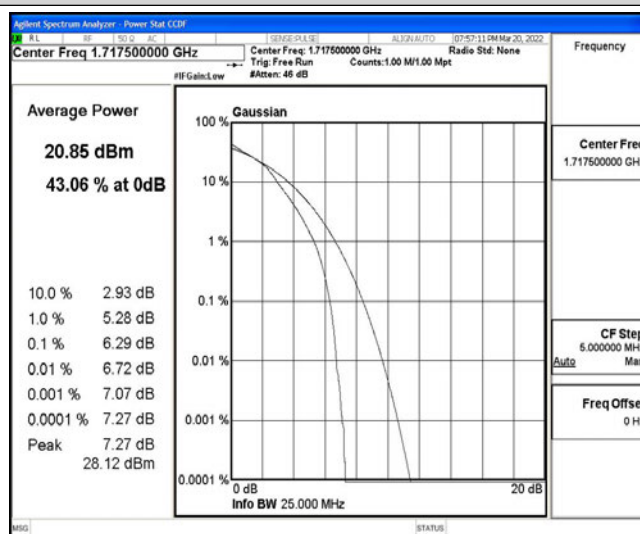
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Band4-15MHz-16QAM-20025-1RB#0



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



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

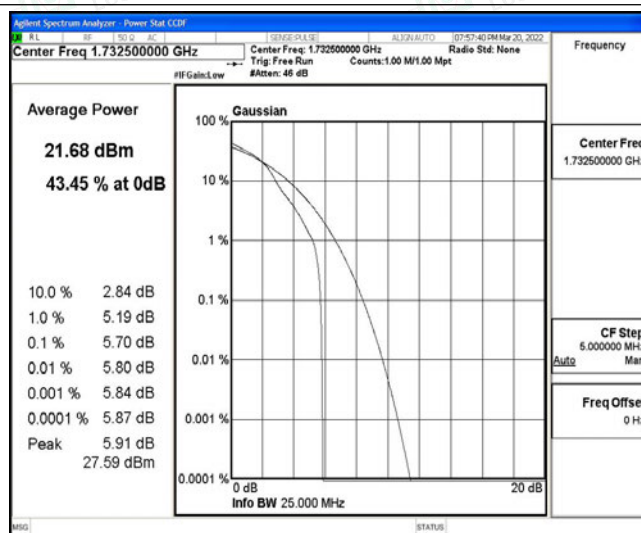


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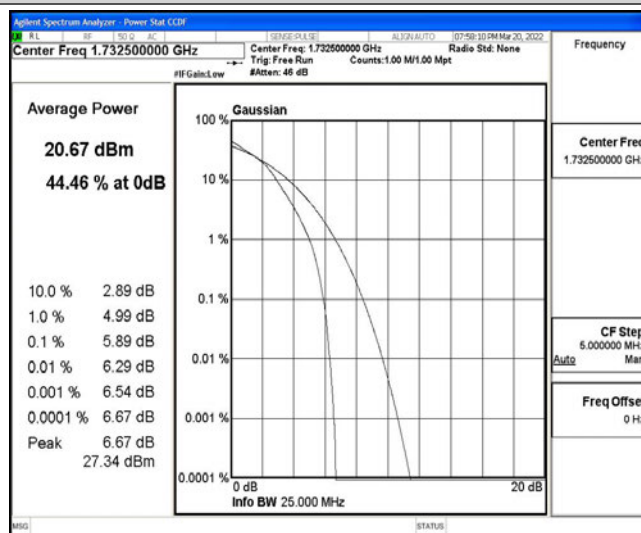
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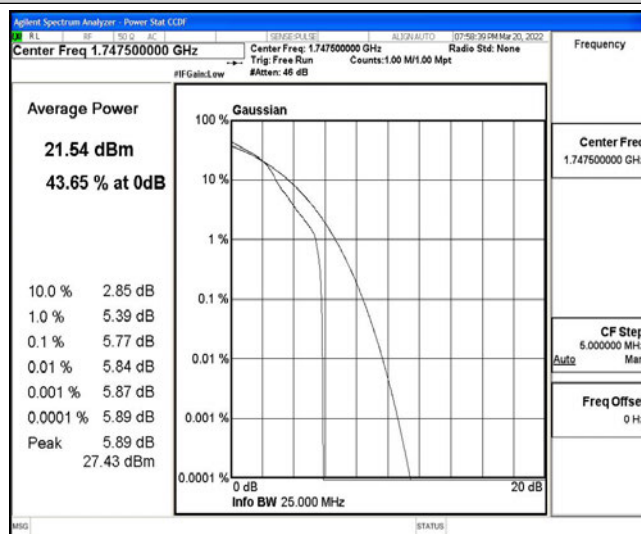
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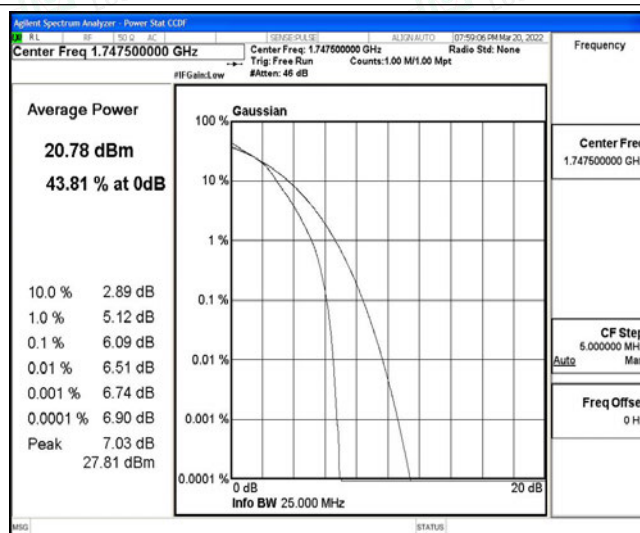


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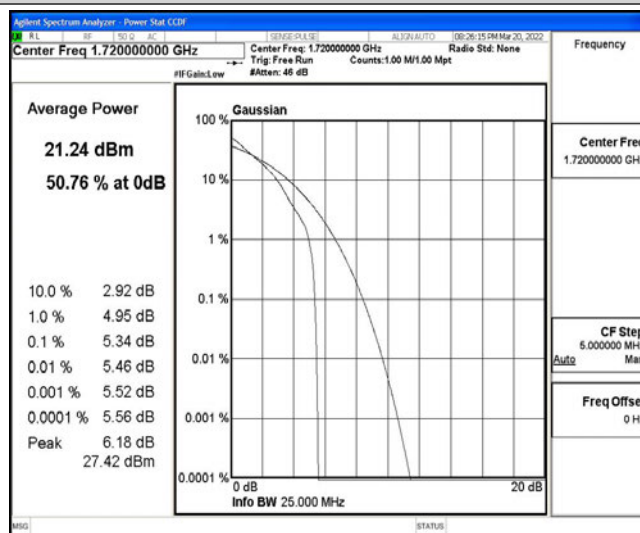
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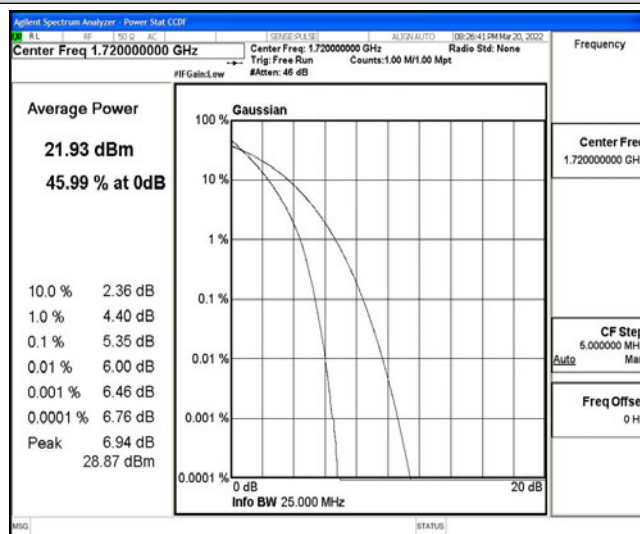
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Band4-20MHz-QPSK-20050-1RB#0



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



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

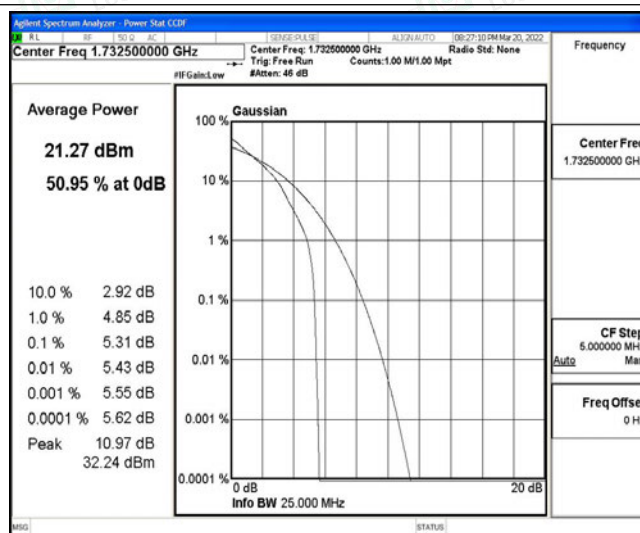


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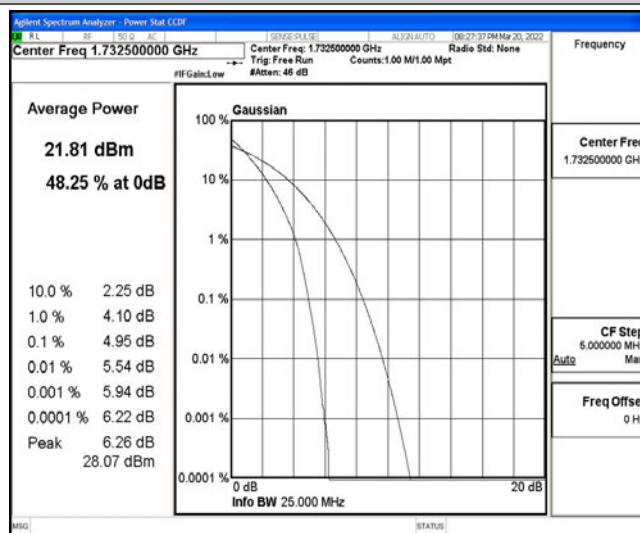
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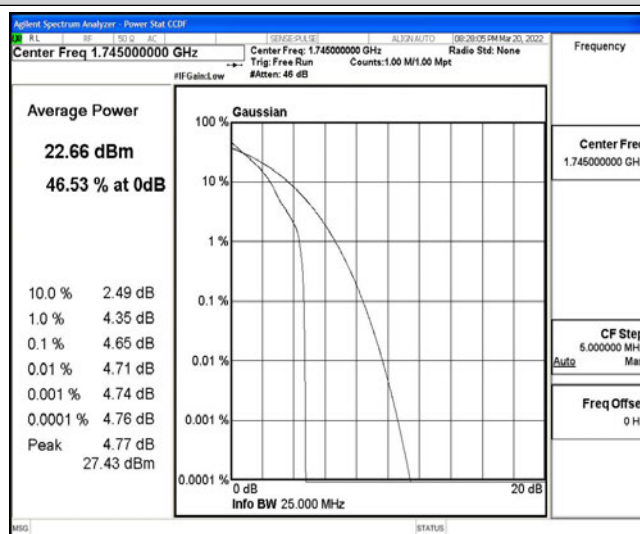
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Band4-20MHz-QPSK-20175-100RB#0



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



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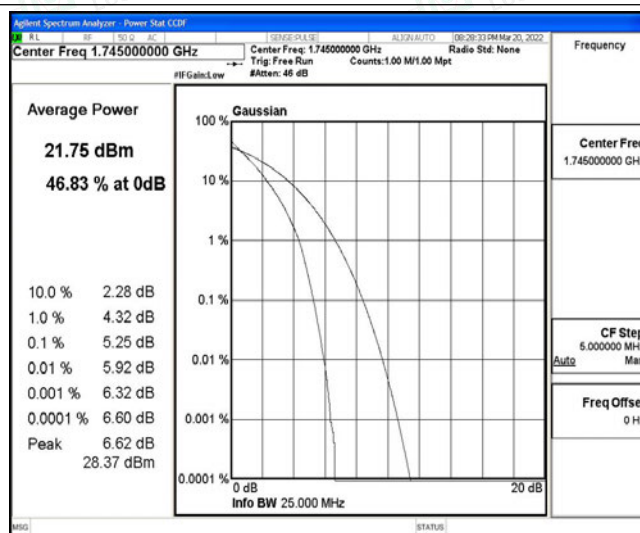


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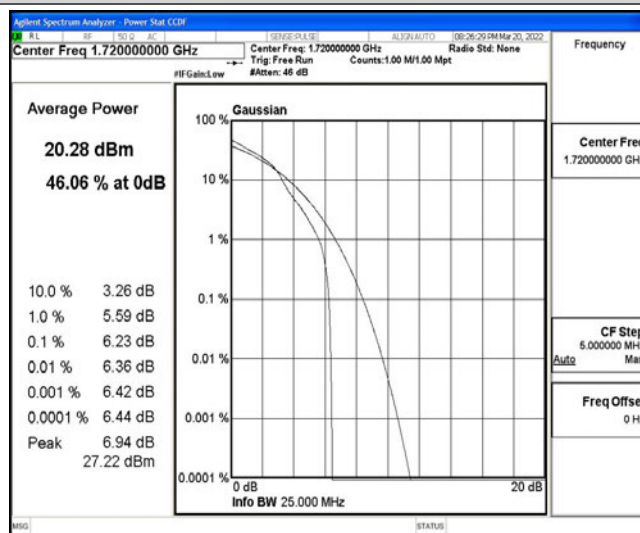
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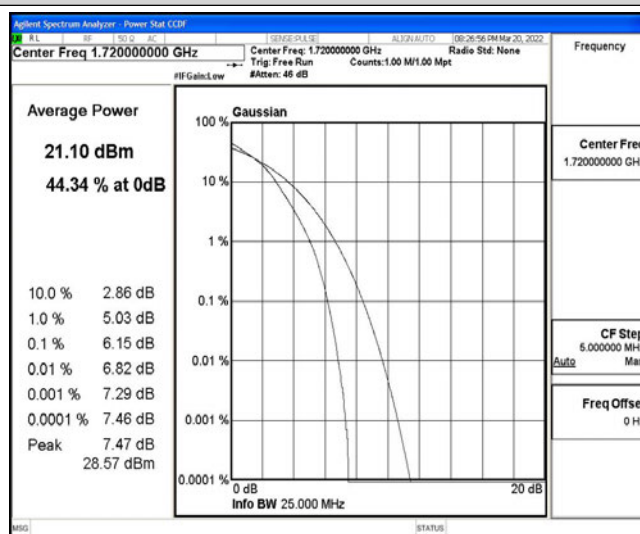
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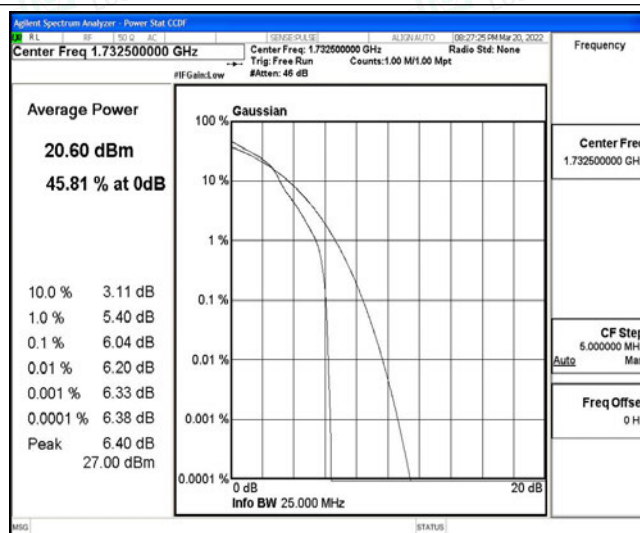


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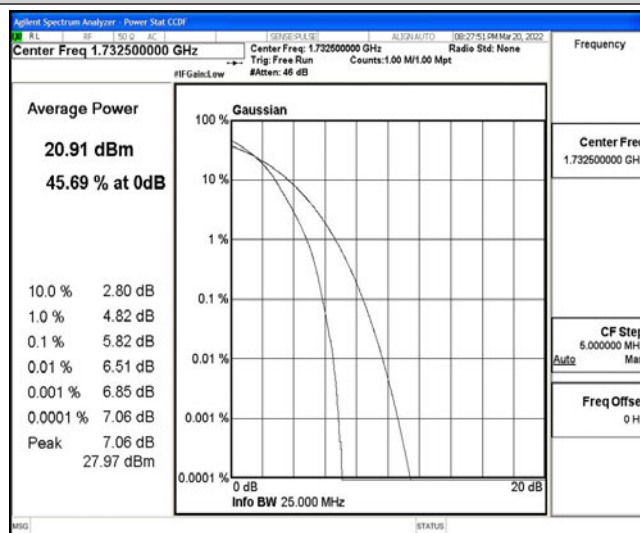
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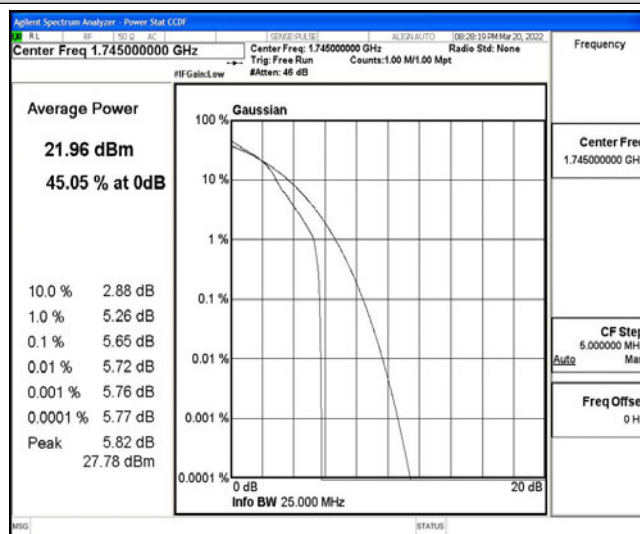
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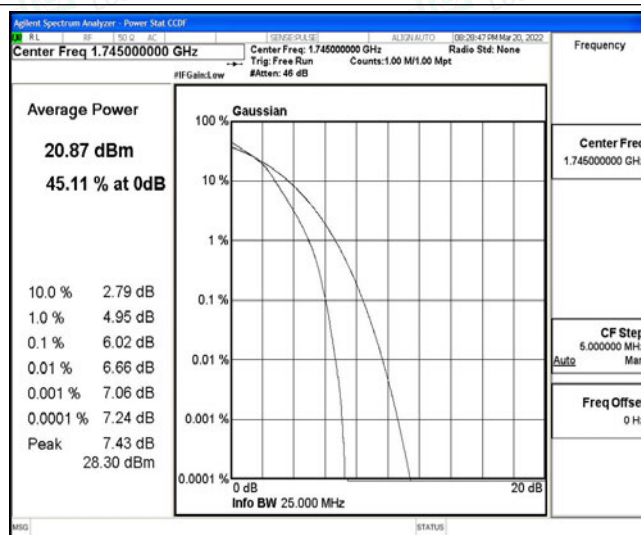


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E.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0918	1.283	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0927	1.283	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0962	1.283	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0937	1.289	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1010	1.302	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0917	1.282	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7012	2.954	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6930	2.971	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6954	2.969	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6928	2.965	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6937	2.963	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6968	2.954	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5169	5.026	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5060	5.003	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5016	4.995	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5051	4.991	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5006	4.978	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5042	5.003	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9932	9.953	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9617	9.872	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9795	9.842	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9656	9.816	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9623	9.804	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9712	9.856	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.484	14.71	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.385	14.72	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.425	14.83	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.462	14.72	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.408	14.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.481	14.77	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.961	19.50	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.844	19.42	PASS



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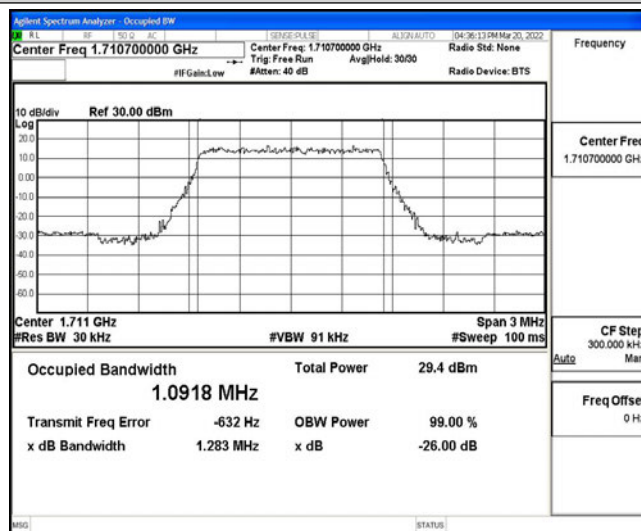
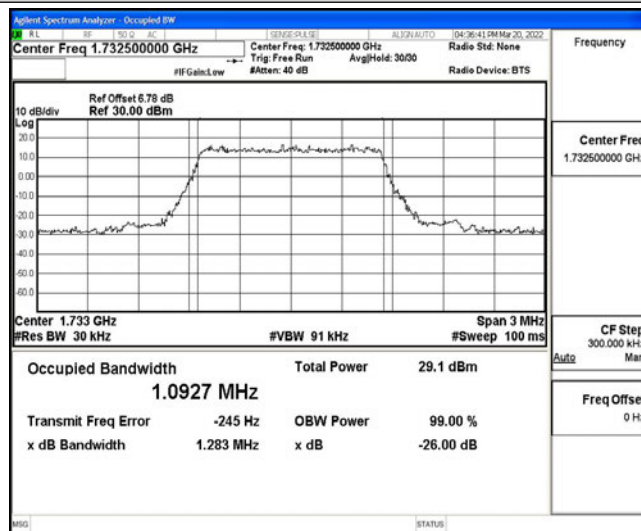


Band4	20MHz	QPSK	20300	100RB#0	17.926	19.48	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.988	19.56	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.825	19.31	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.928	19.39	PASS





Test Graphs

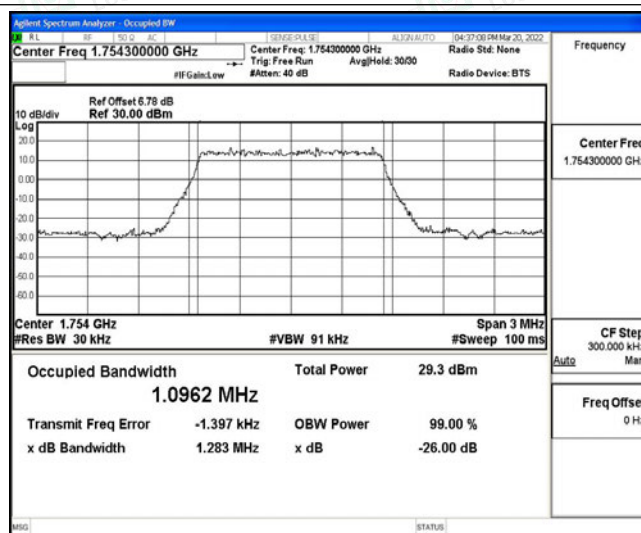
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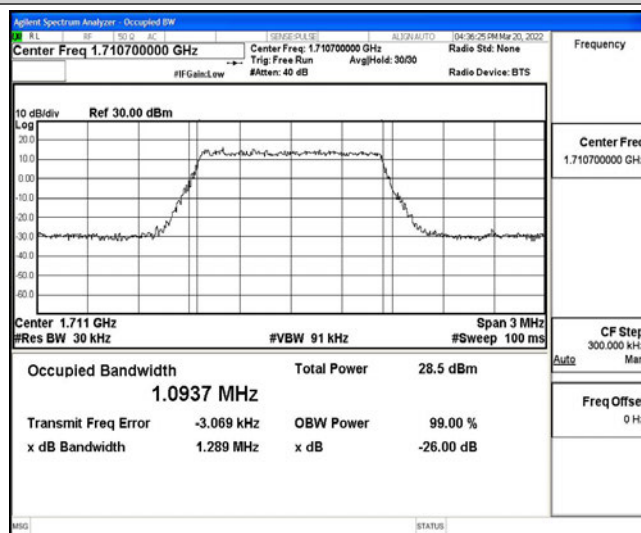
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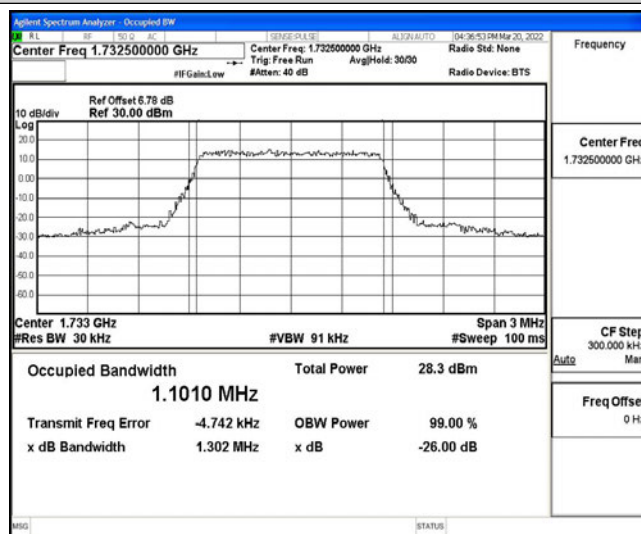
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Band4-1.4MHz-16QAM-19957-6RB#0



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



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

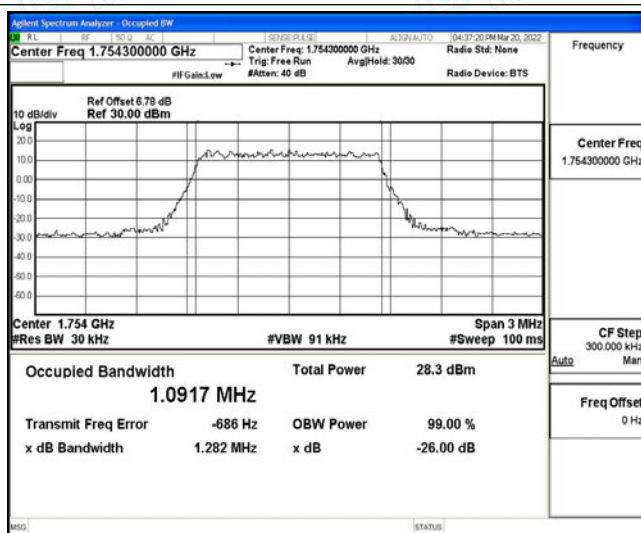


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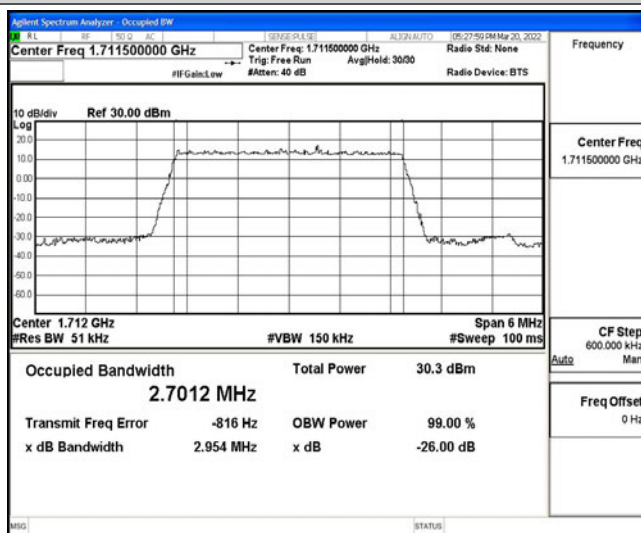
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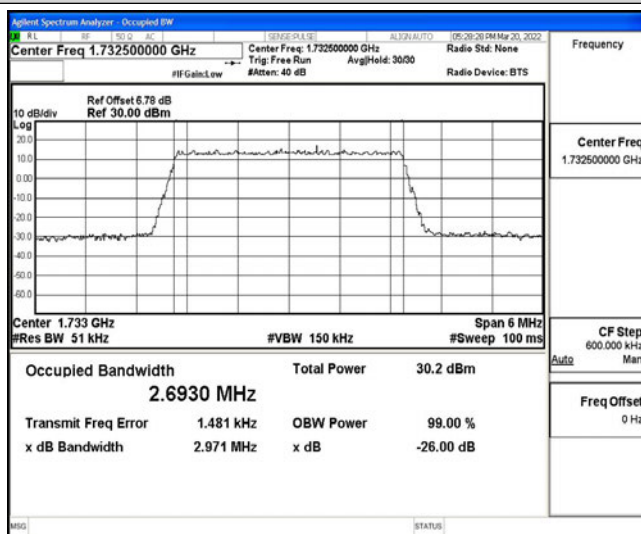
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Band4-3MHz-QPSK-20175-15RB#0



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

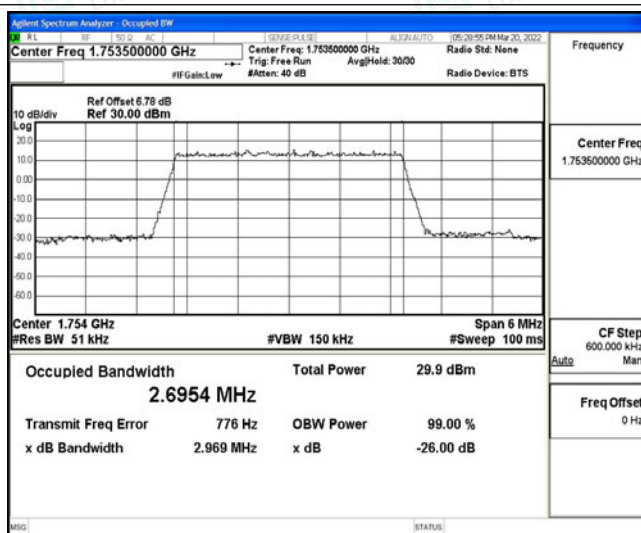


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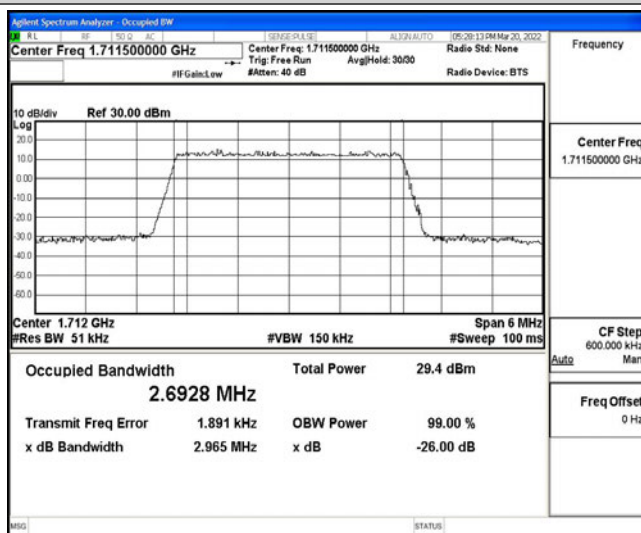
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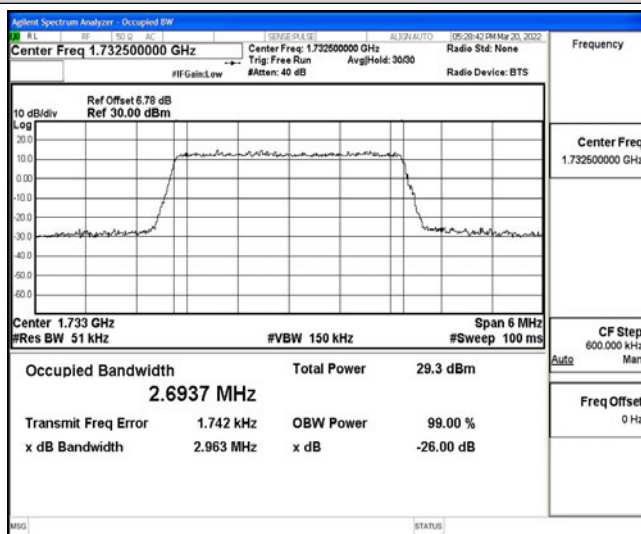
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Band4-3MHz-16QAM-19965-15RB#0



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



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

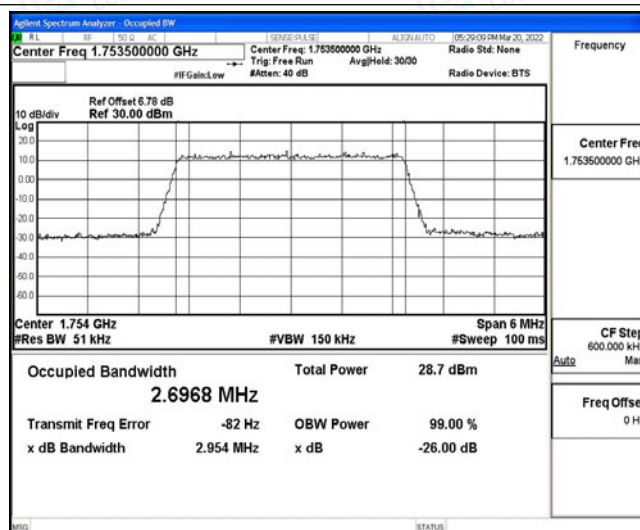


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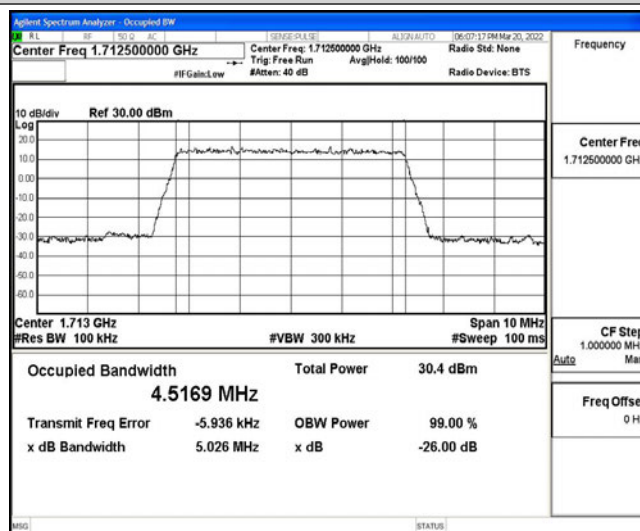
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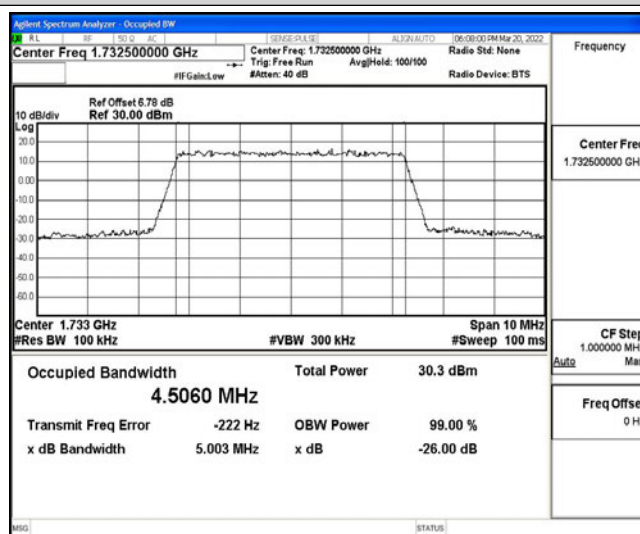
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Band4-5MHz-QPSK-20175-25RB#0



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

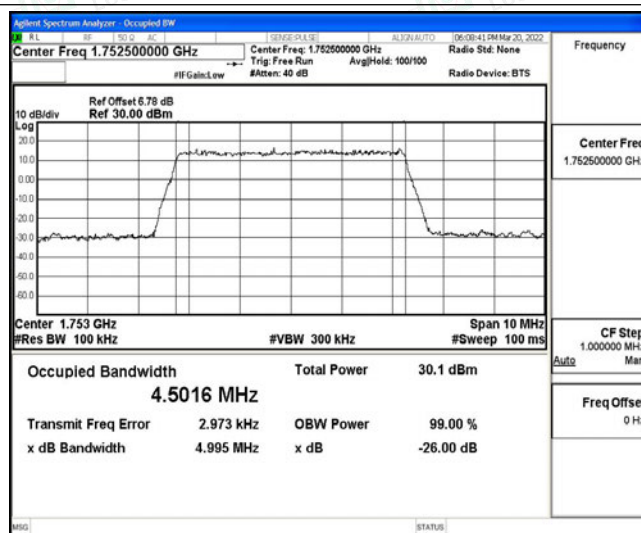


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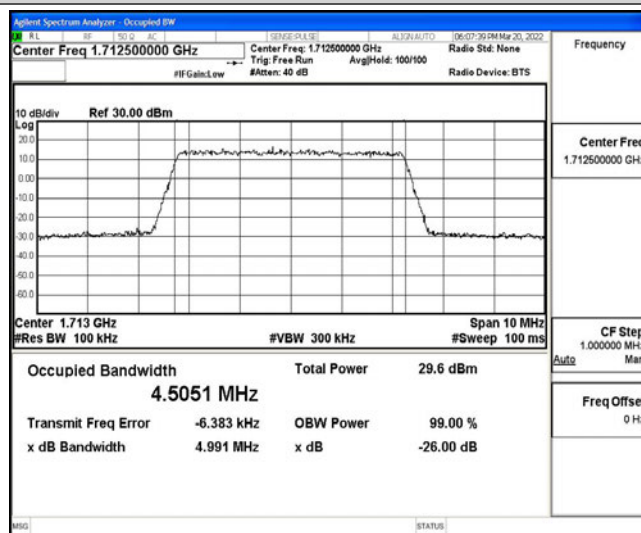
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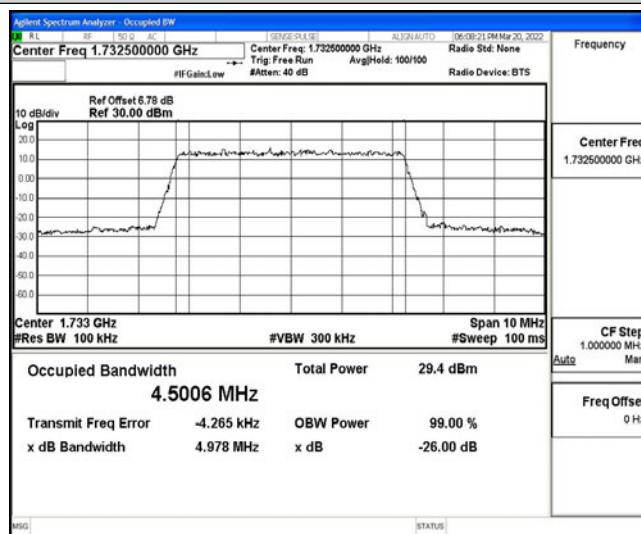
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Band4-5MHz-16QAM-19975-25RB#0



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



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

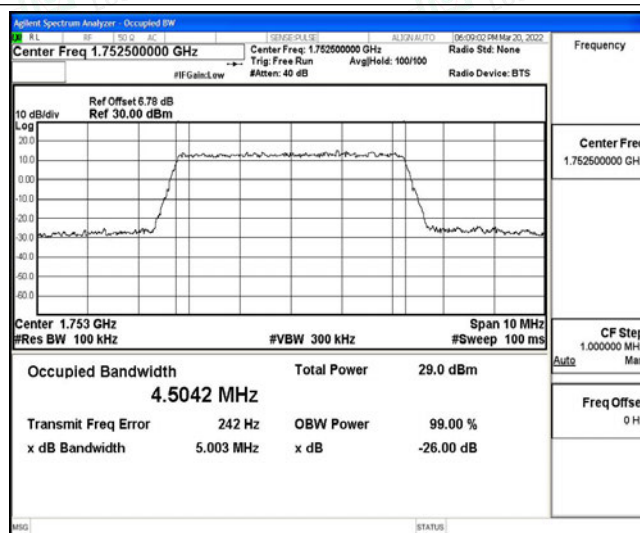


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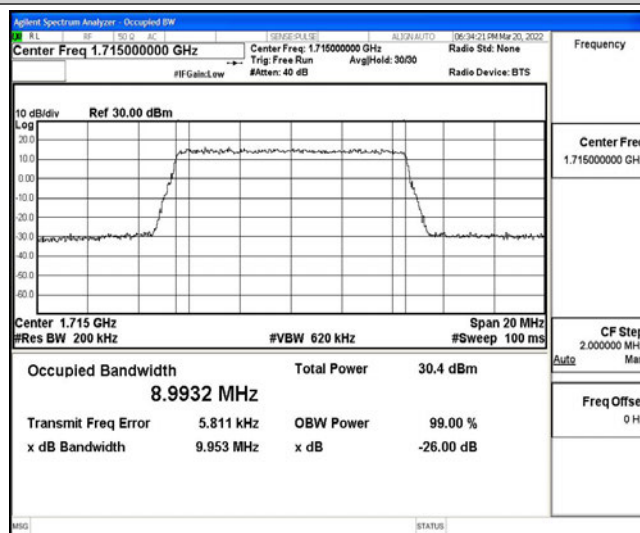
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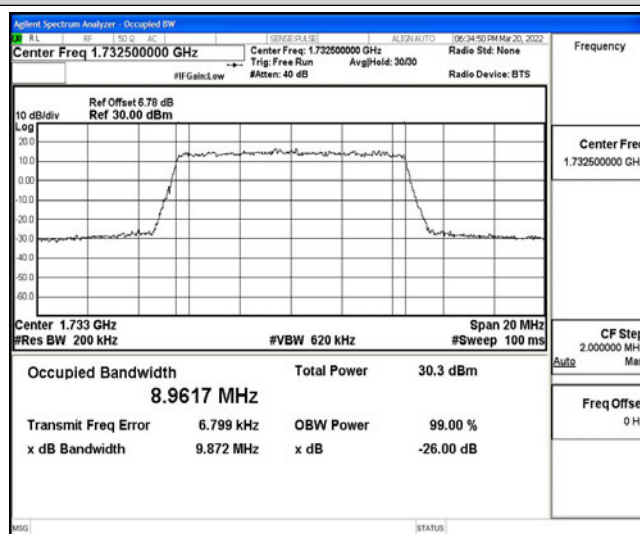
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Band4-10MHz-QPSK-20000-50RB#0



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



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

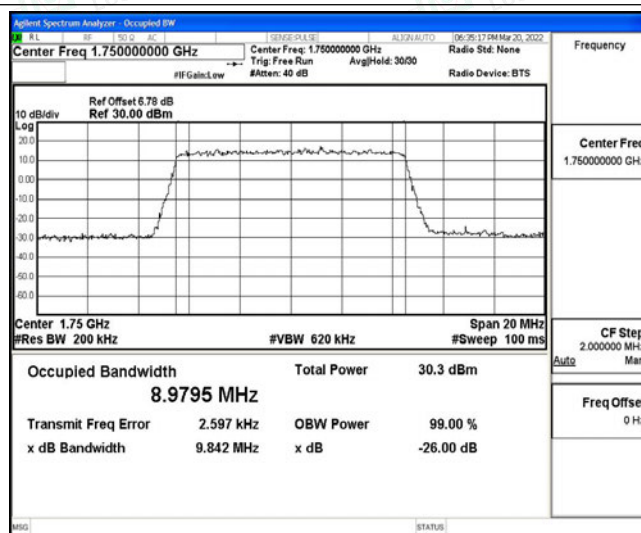


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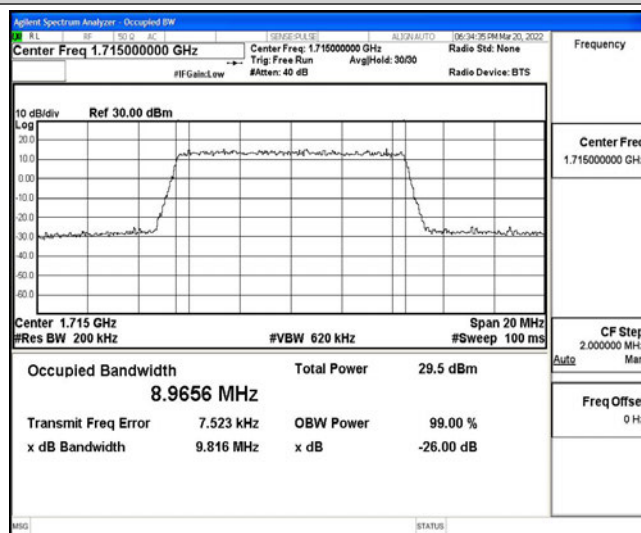
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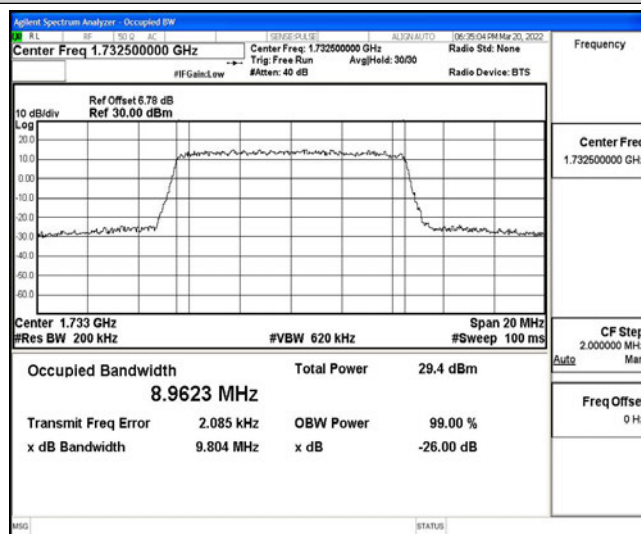
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Band4-10MHz-16QAM-20000-50RB#0



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



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



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