



Appendix G: Test Data for E-UTRA Band 4

Product Name: Data Collector

Test Model: R60

Environmental Conditions

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





G.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	22.27	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.34	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.19	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.33	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.31	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.54	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.48	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.36	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.44	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.56	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.44	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.36	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.40	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.98	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.97	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.97	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.76	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.93	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.90	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.90	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.38	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.43	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.23	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.24	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.22	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.09	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.49	PASS



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Band4	1.4MHz	16QAM	20175	1RB#0	21.71	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.71	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.57	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.29	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.20	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.98	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.46	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.93	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.14	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.95	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.67	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.65	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.72	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.99	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.28	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.45	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.20	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.40	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.42	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.48	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.21	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.54	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.38	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.33	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.56	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.55	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.61	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.59	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.04	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.82	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.08	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.83	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.87	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.97	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.89	PASS



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Band4	3MHz	16QAM	19965	1RB#0	21.61	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.15	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.34	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.46	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.56	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.34	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.10	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.58	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.19	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.50	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.60	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.41	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.68	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.58	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.79	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.36	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.91	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.82	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.99	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.07	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.04	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.75	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.45	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.21	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.51	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.48	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.36	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.20	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.40	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.36	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.36	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.41	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.60	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.45	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.41	PASS



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Band4	5MHz	QPSK	20375	1RB#0	22.19	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.13	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.06	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.96	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.03	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.85	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.99	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.39	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.29	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.17	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.56	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.41	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.31	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.18	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.26	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.95	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.22	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.54	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.56	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.50	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.49	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.07	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.94	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.90	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.96	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.94	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.98	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.10	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.35	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.18	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.05	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.12	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.07	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.34	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.63	PASS



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Band4	10MHz	QPSK	20175	1RB#0	22.10	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.36	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.14	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.32	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.41	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.35	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.33	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.27	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.60	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.17	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.25	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.32	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.03	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.08	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.37	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.26	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.07	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.55	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.49	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.40	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.70	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.31	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.55	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.15	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.47	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.40	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.42	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.36	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.44	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.47	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.14	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.35	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.28	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.01	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.25	PASS



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Band4	15MHz	QPSK	20025	1RB#0	21.83	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.06	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.04	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.26	PASS
Band4	15MHz	QPSK	20025	38RB#18	20.80	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.25	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.32	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.55	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.62	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.11	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.78	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.08	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.60	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.40	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.14	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.84	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.98	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.28	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.58	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.40	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.19	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.33	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.01	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.11	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.94	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.36	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.48	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.06	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.55	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.78	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.40	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.33	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.56	PASS



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Band4	15MHz	16QAM	20325	1RB#0	21.52	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.43	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.32	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.84	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.97	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.29	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.59	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.97	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.95	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.20	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.22	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.16	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.22	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.35	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.80	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.68	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.27	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.34	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.38	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.14	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.32	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.35	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.67	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.88	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.27	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.36	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.14	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.22	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.76	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.02	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.39	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.29	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.47	PASS



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Band4	20MHz	16QAM	20175	1RB#0	20.68	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.92	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.98	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.51	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.34	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.32	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.48	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.06	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.30	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.91	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.35	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.45	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.10	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.37	PASS



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G.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.13	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.05	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.19	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.00	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.85	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.97	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.27	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.13	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.27	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.10	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.88	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.99	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.32	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.08	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.28	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.08	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.86	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.04	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.62	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.02	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.24	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.16	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.84	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.03	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.61	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.14	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.42	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.27	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.89	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.07	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.71	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.15	13	PASS



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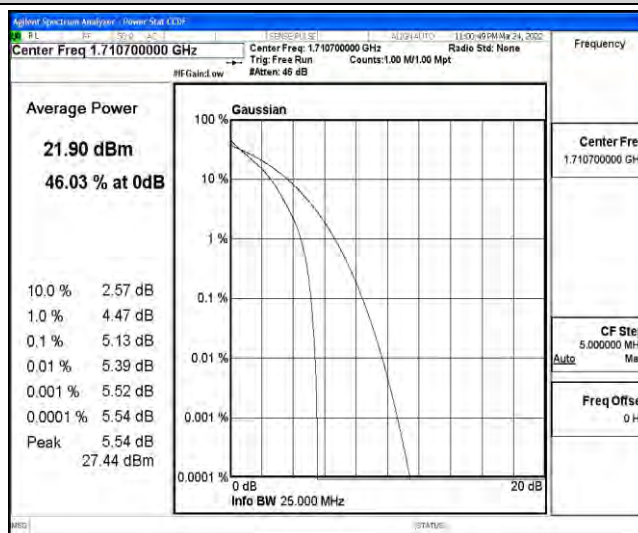


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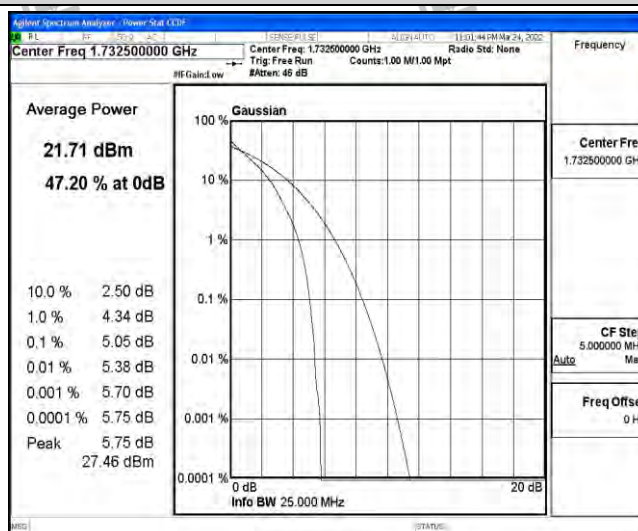
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Band4	20MHz	16QAM	20300	100RB#0	6.03	13	PASS

est Graphs

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



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



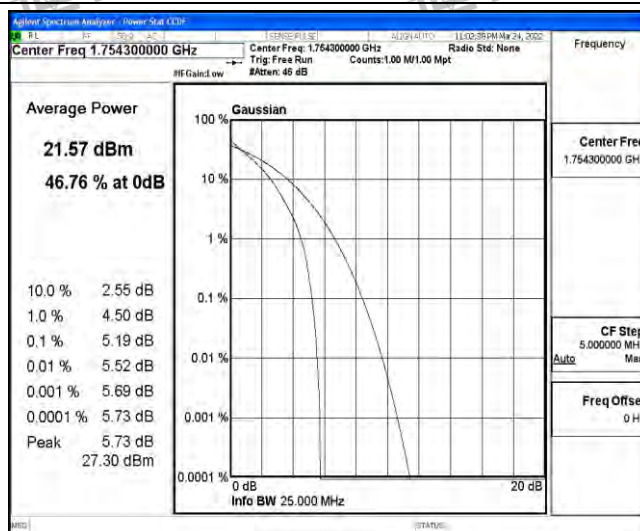
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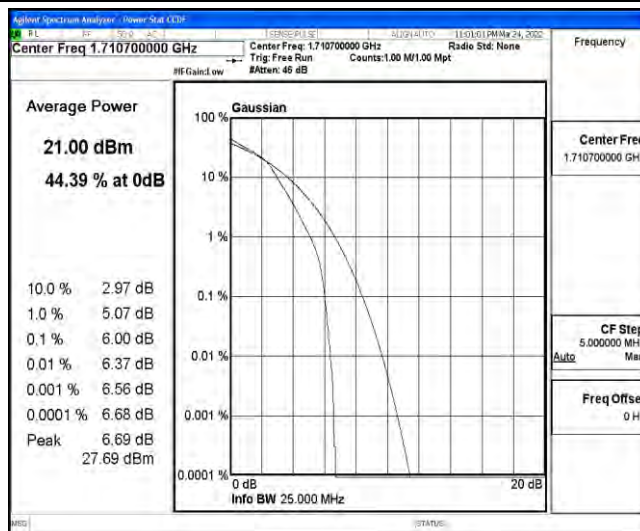
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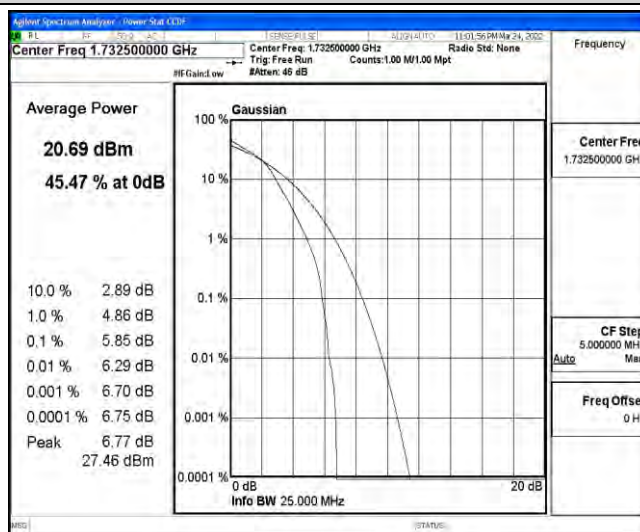
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Band4-1.4MHz-16QAM-19957-6RB#0



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

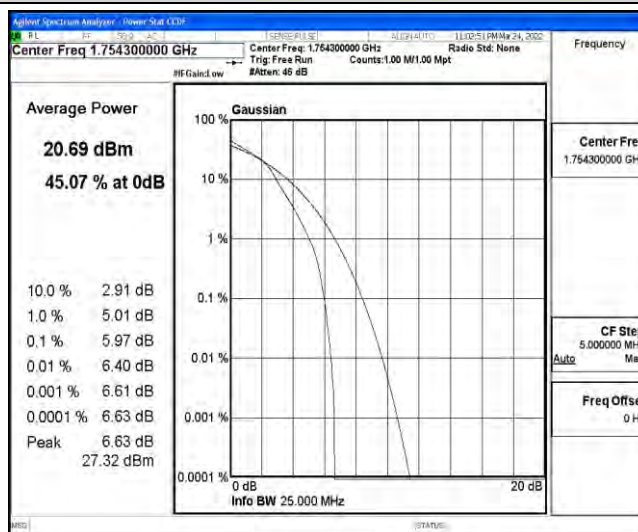


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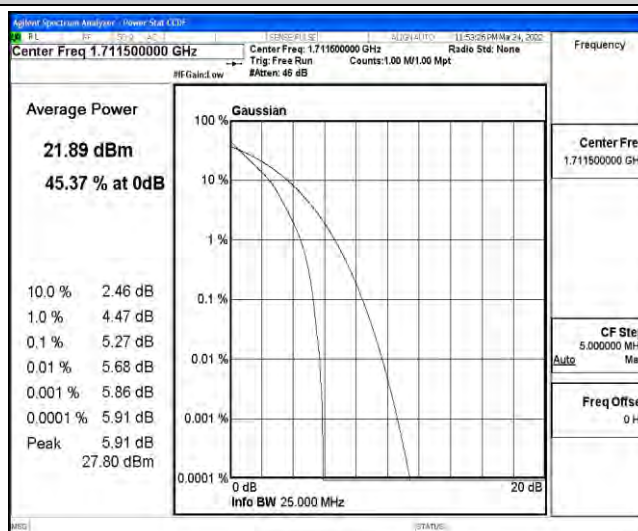


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Band4-1.4MHz-16QAM-20393-6RB#0



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



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



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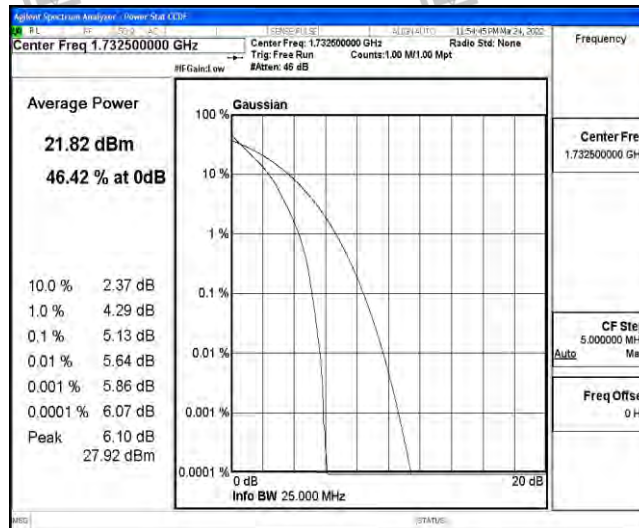
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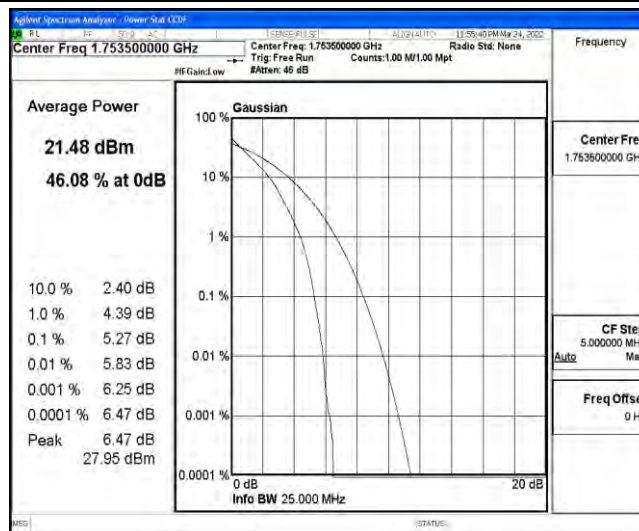
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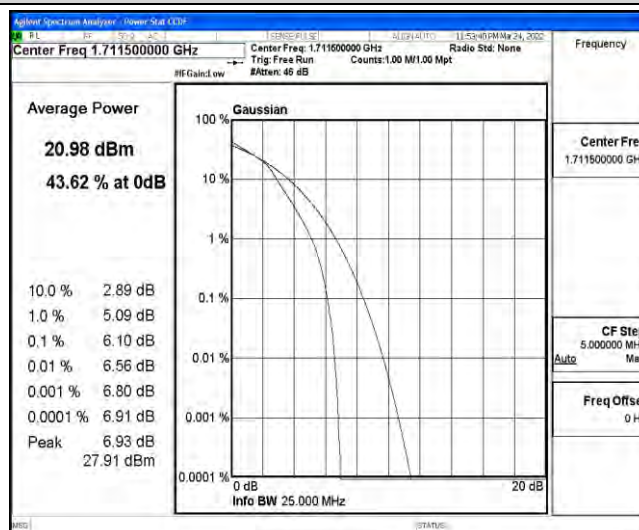
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Band4-3MHz-QPSK-20385-15RB#0



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



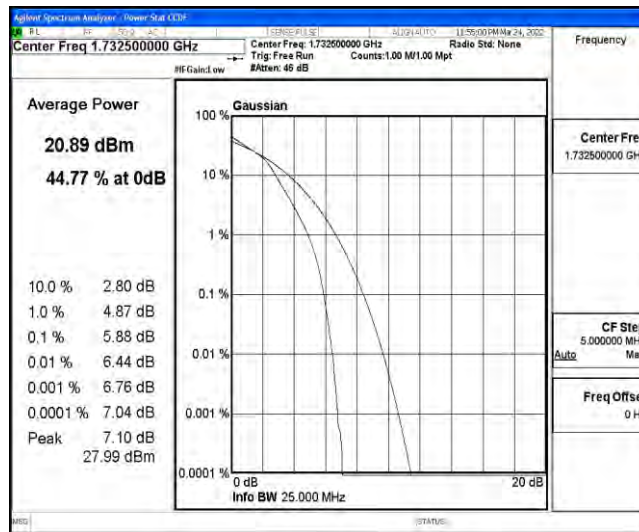
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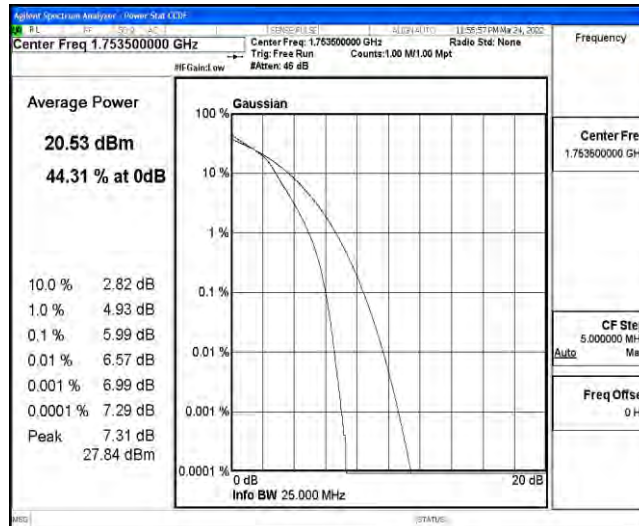


LCS-2023047AEI

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



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



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

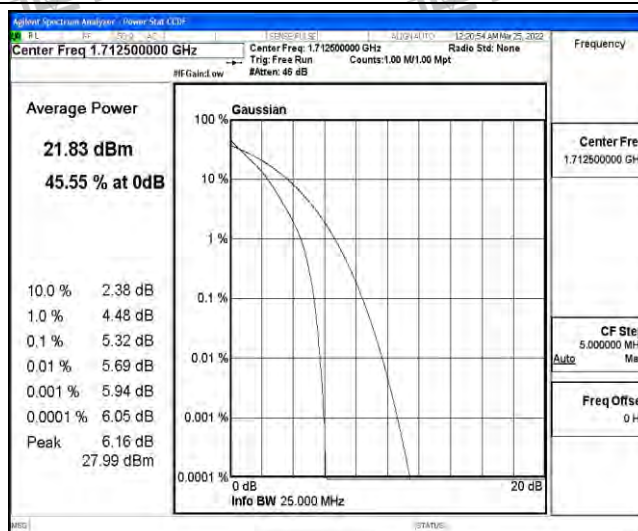


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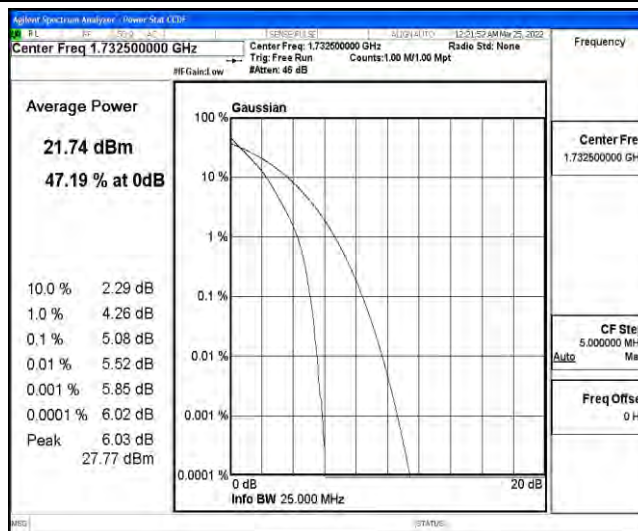
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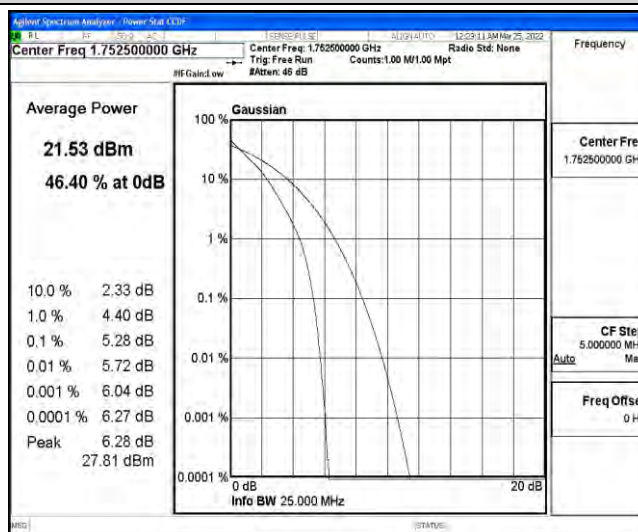
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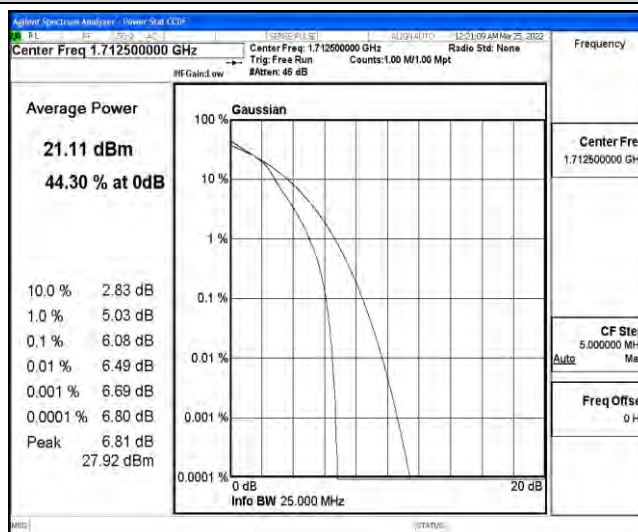
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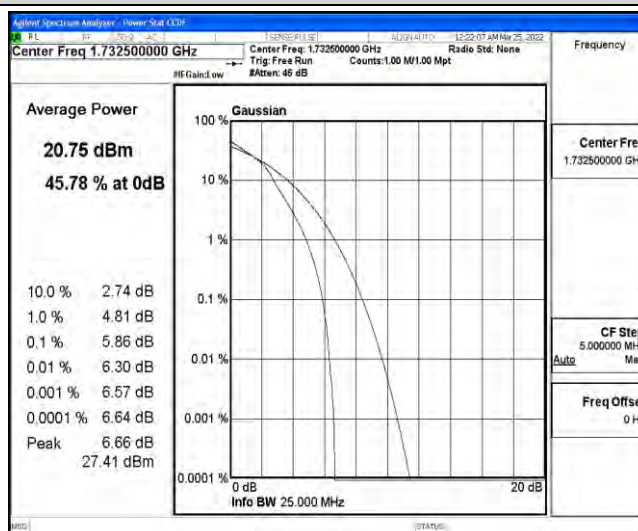


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Band4-5MHz-16QAM-19975-25RB#0



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



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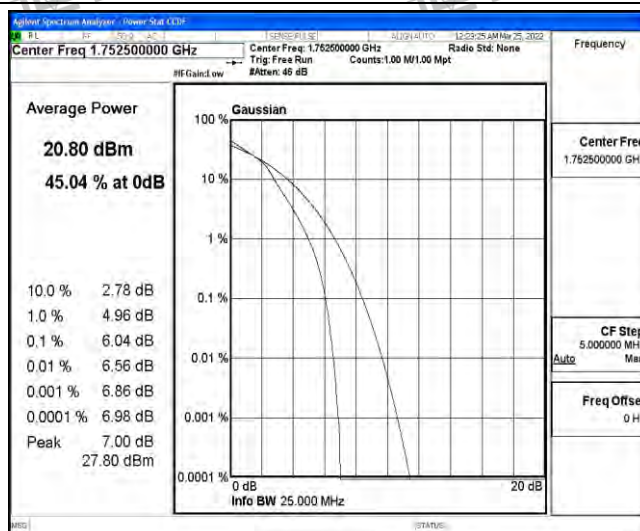


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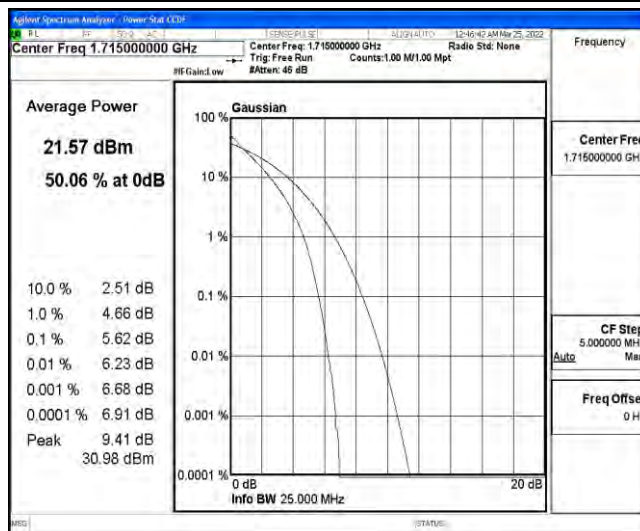
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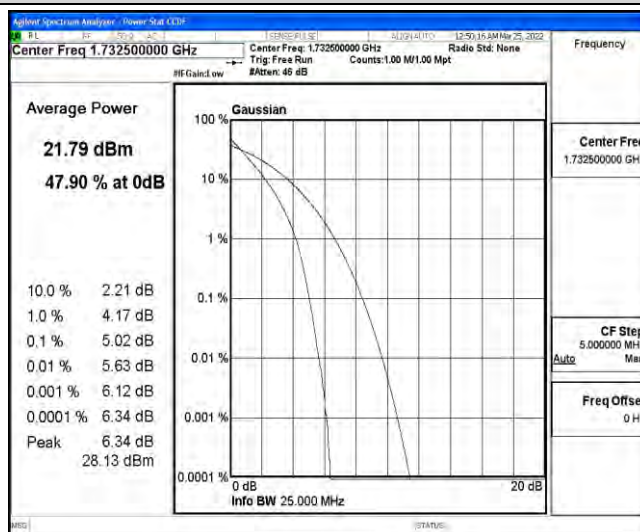
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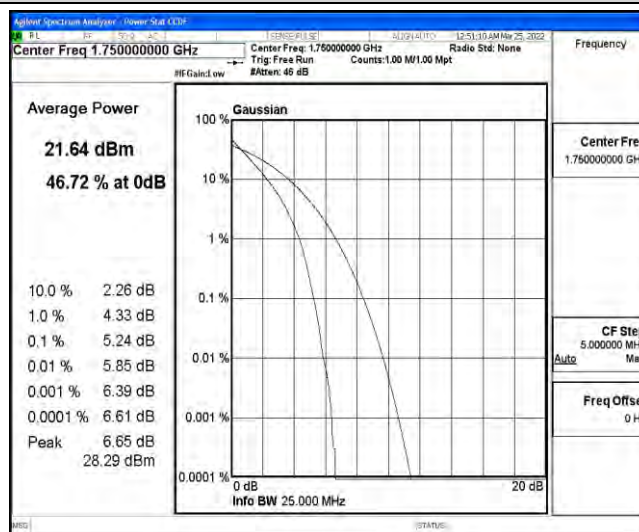
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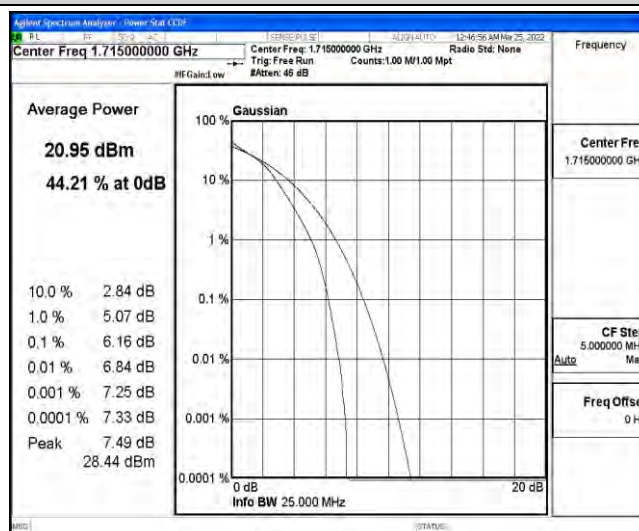


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Band4-10MHz-QPSK-20350-50RB#0



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



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

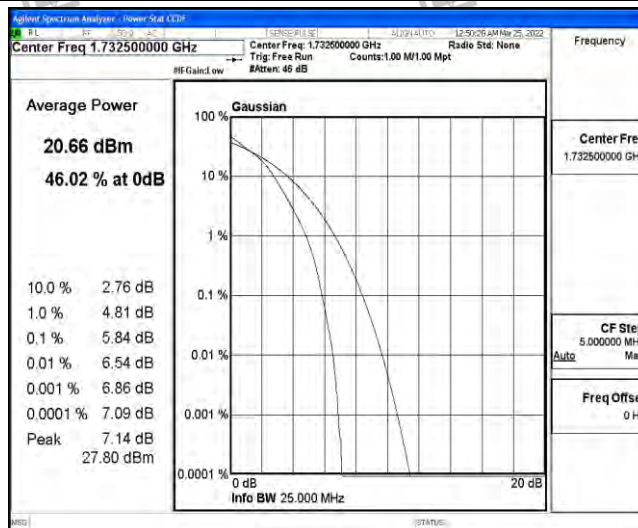


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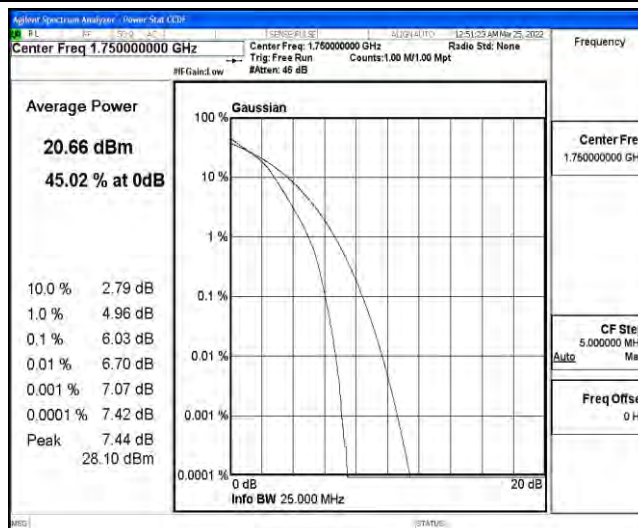
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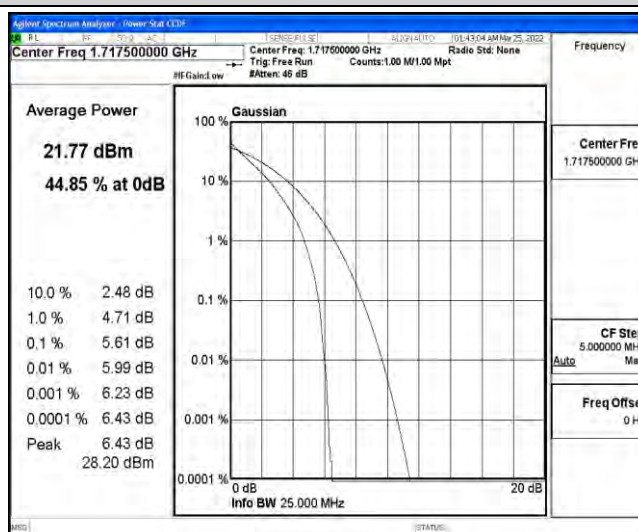
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Band4-10MHz-16QAM-20350-50RB#0



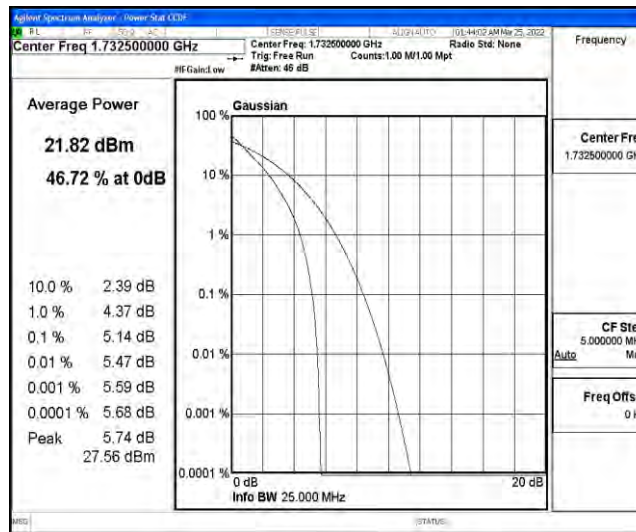
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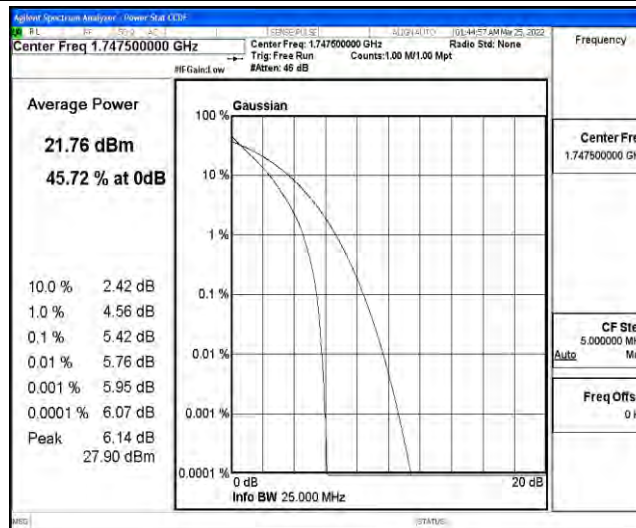


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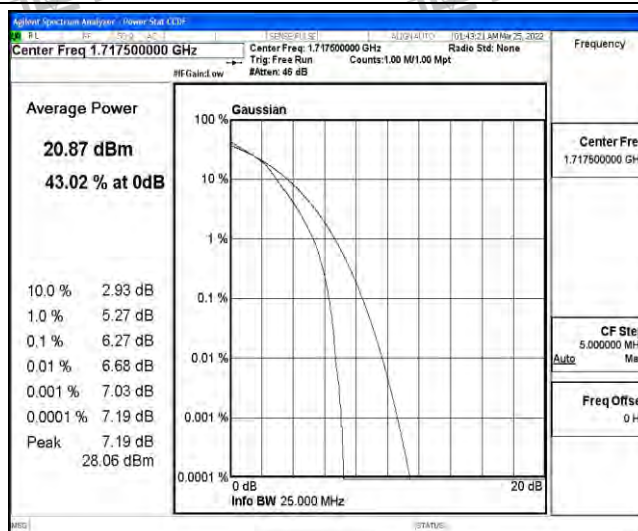


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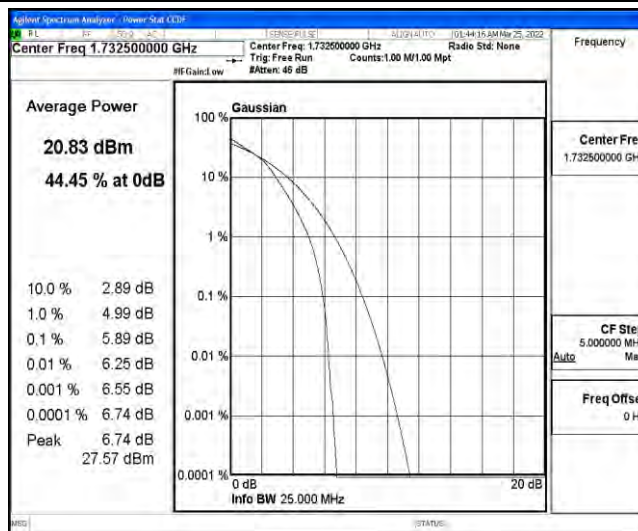


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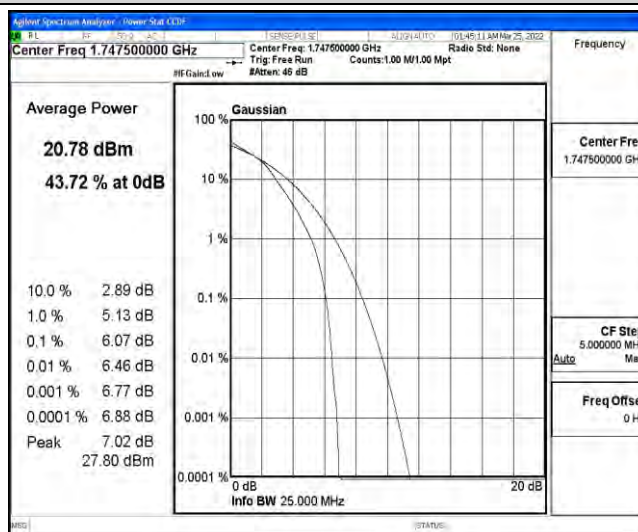




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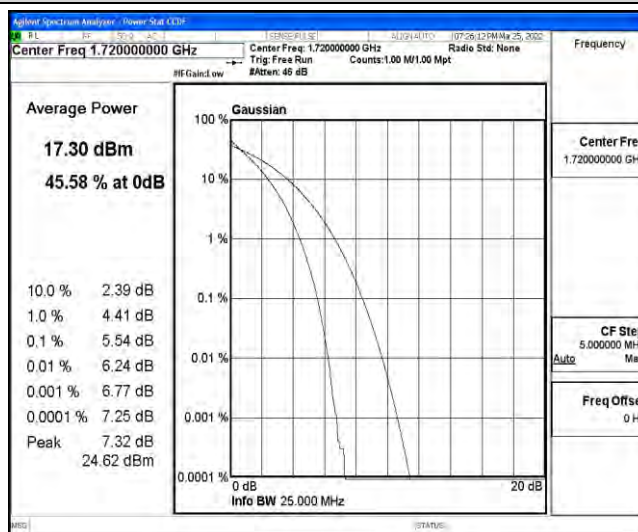
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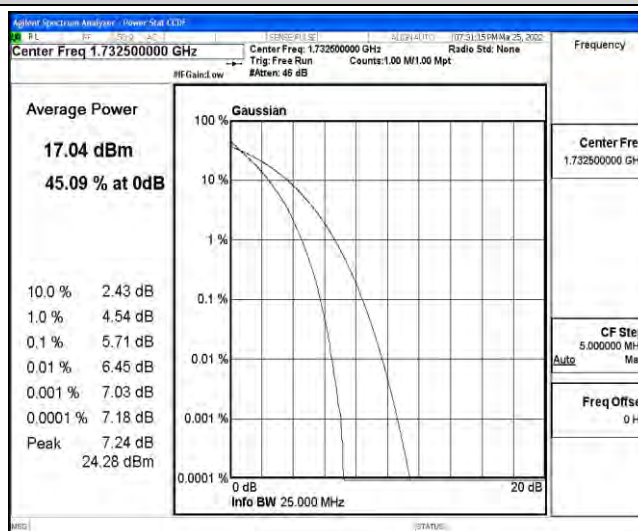


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Band4-20MHz-QPSK-20050-100RB#0



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



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



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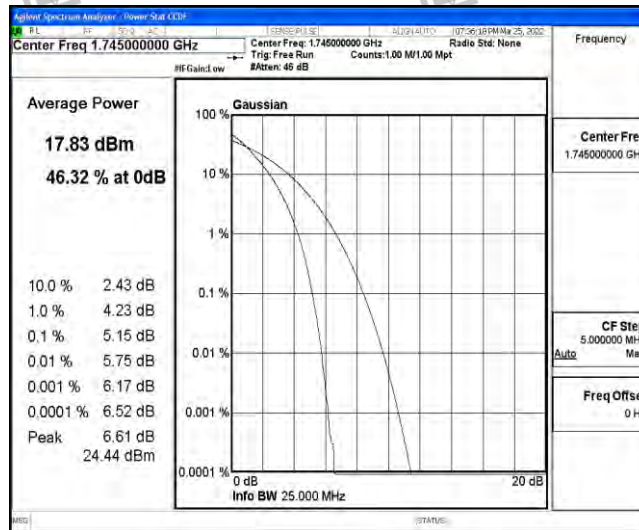
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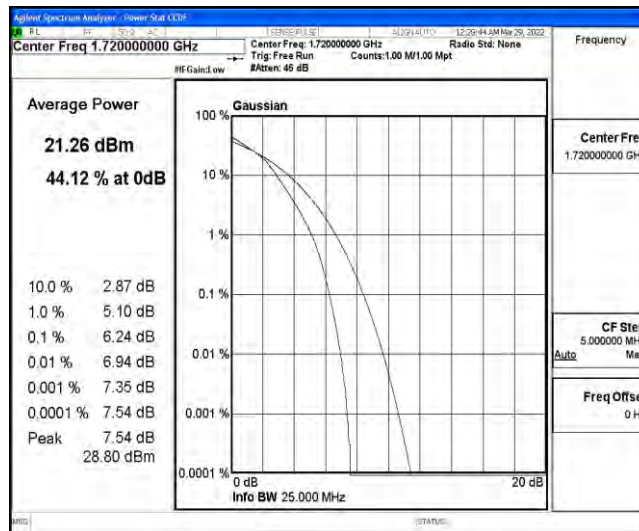
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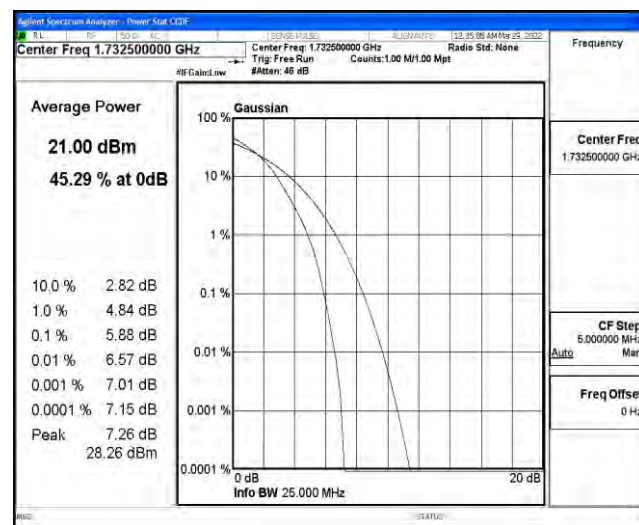
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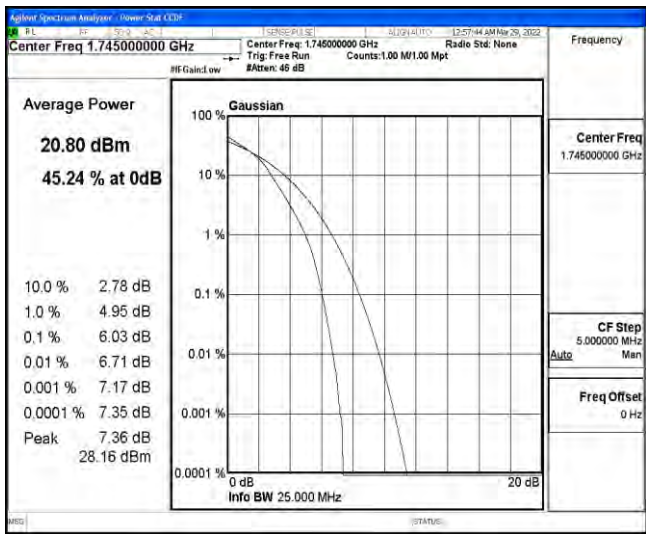
Band4-20MHz-16QAM-20175-100RB#0





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



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G.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	1.0907	1.293	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0943	1.288	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0967	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0939	1.281	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1002	1.302	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0949	1.301	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6975	2.952	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6941	2.947	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6972	2.964	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6902	2.975	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6931	2.962	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6949	2.958	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5082	5.009	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5014	5.042	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5039	5.017	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5081	4.967	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4999	5.000	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5088	5.019	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9982	9.961	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9604	9.906	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9755	9.801	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9676	9.865	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9598	9.863	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9764	9.891	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.487	14.81	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.399	14.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.437	14.77	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.514	14.80	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.386	14.65	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.448	14.67	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.970	19.52	PASS



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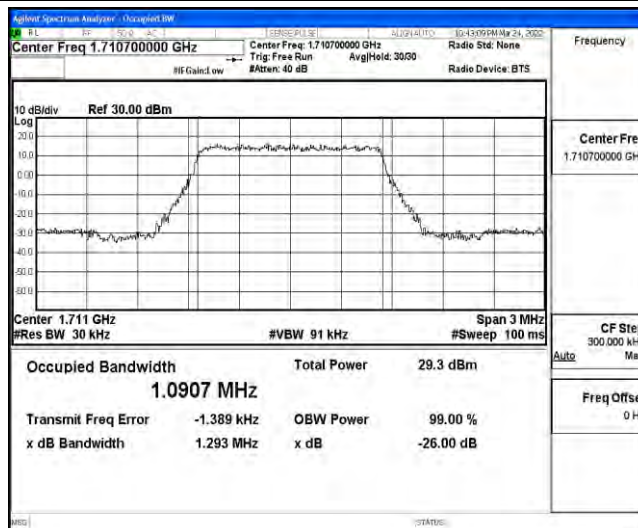
Band4	20MHz	QPSK	20175	100RB#0	17.822	19.24	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.955	19.74	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.971	19.53	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.836	19.45	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.940	19.42	PASS



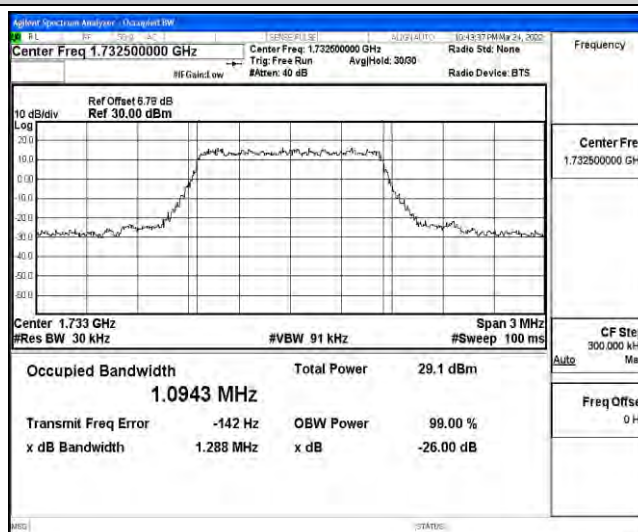


Test Graphs

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



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

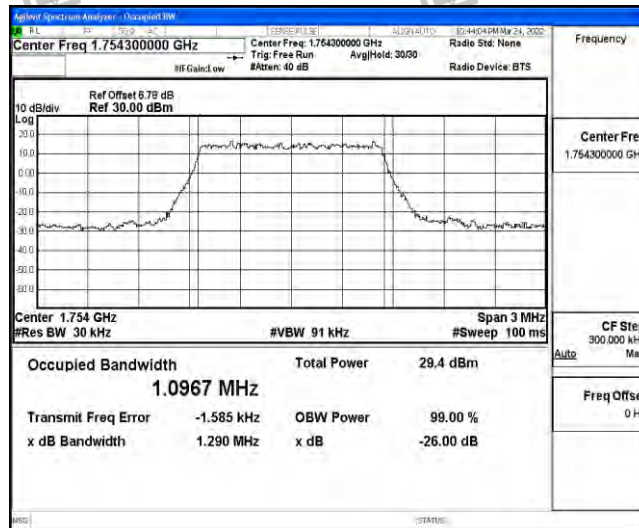


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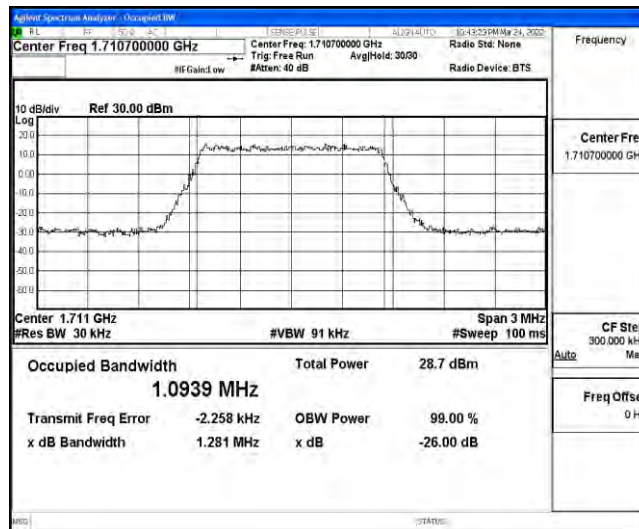




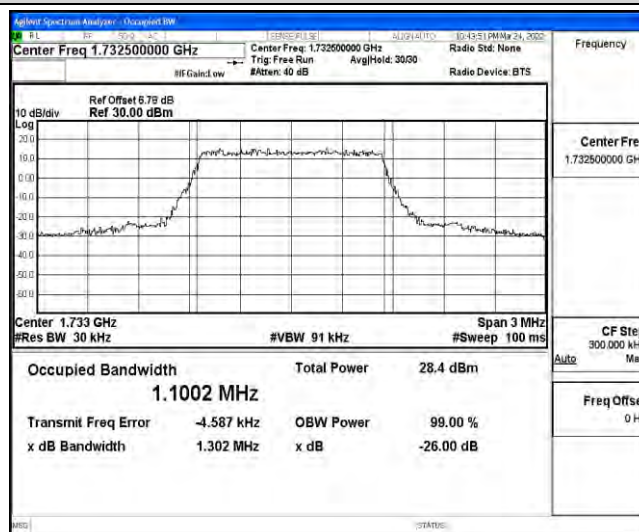
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Band4-1.4MHz-16QAM-19957-6RB#0



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

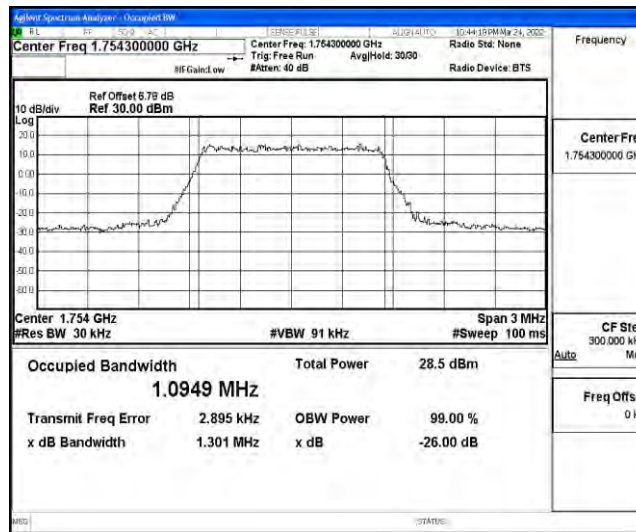


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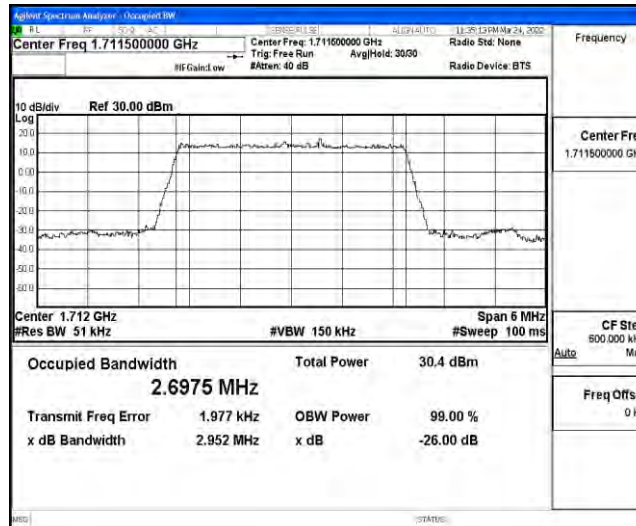


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Band4-1.4MHz-16QAM-20393-6RB#0



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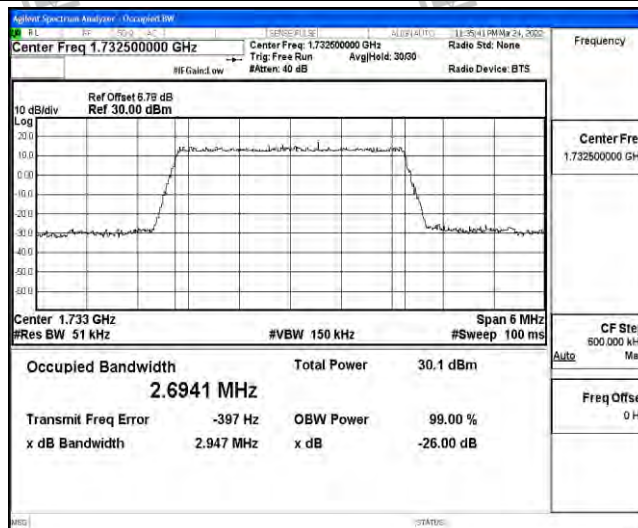


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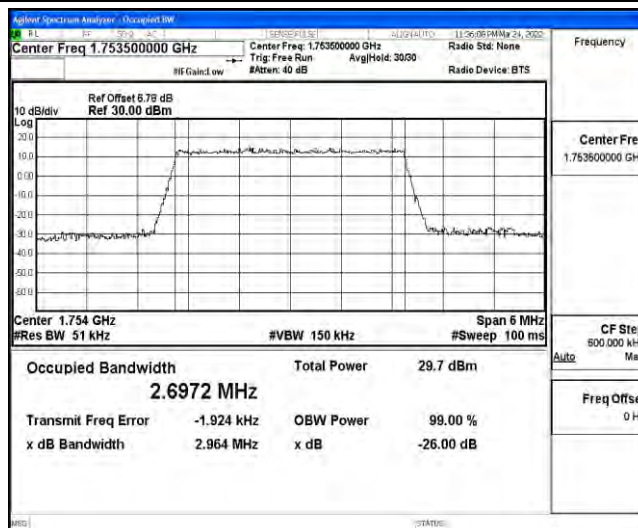




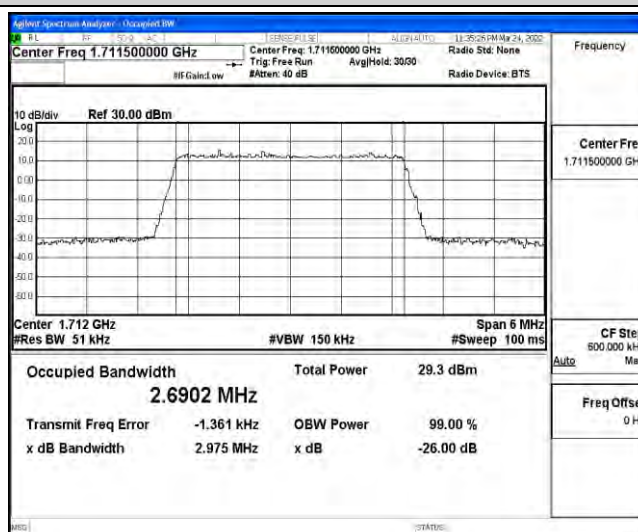
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LCS Testing Lab

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



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

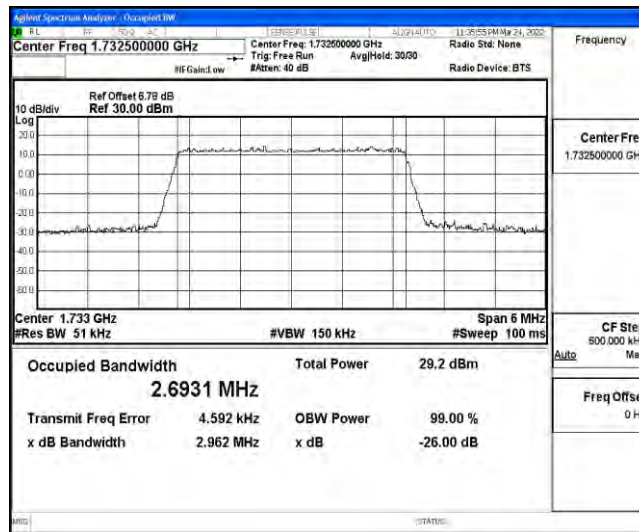


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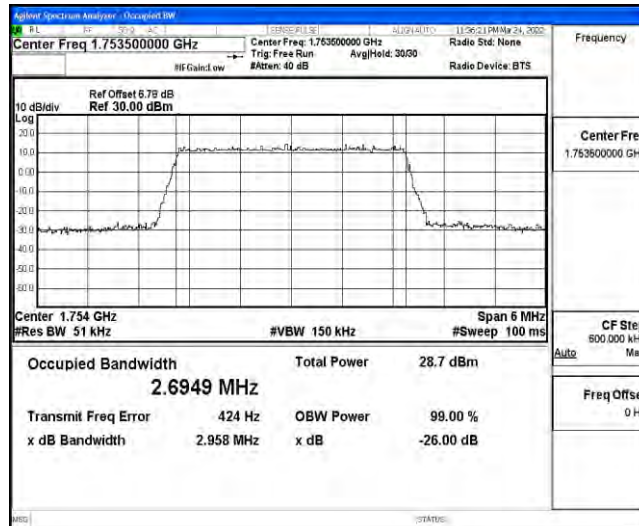


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Band4-3MHz-16QAM-20175-15RB#0



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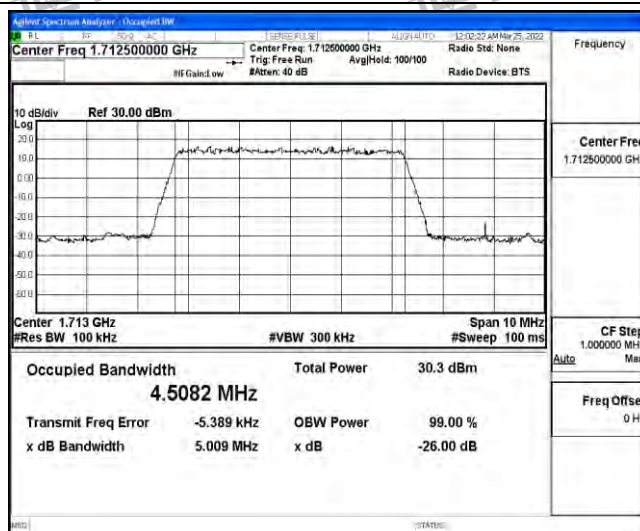
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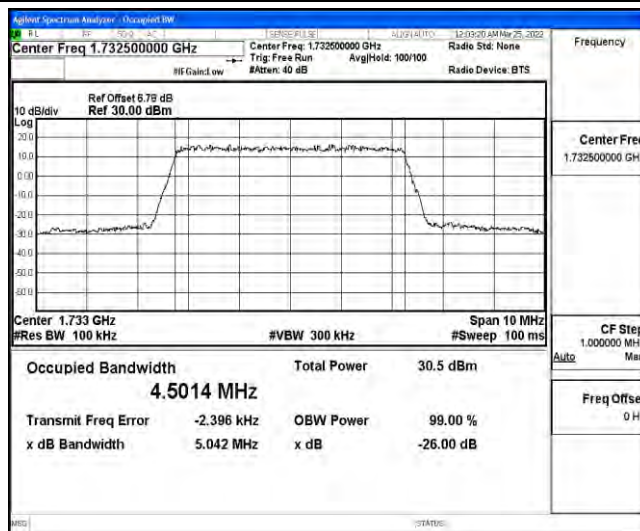
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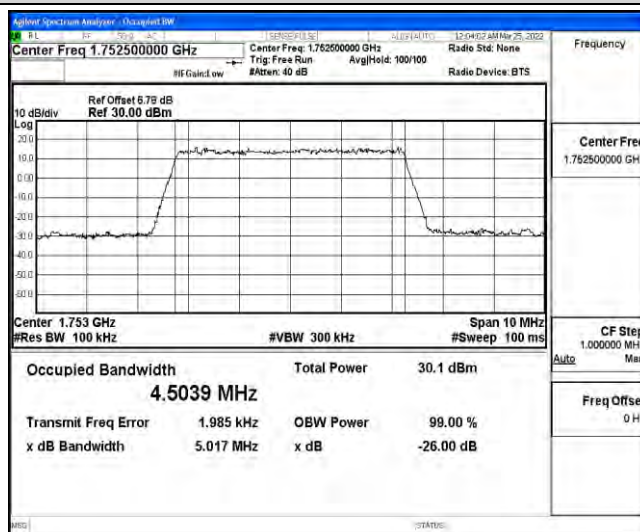
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Band4-5MHz-QPSK-20175-25RB#0



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

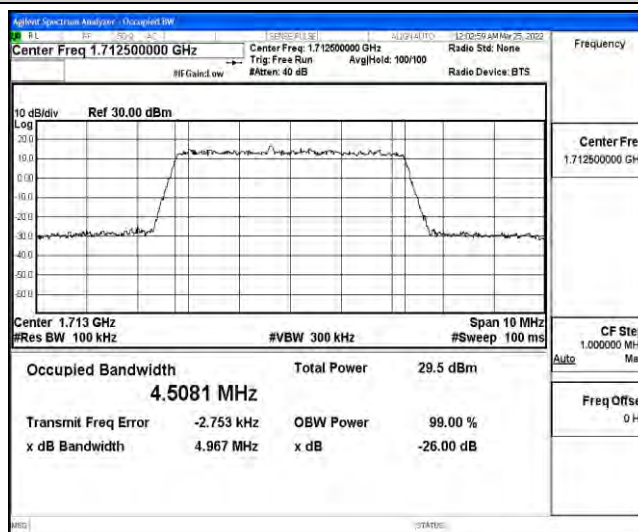


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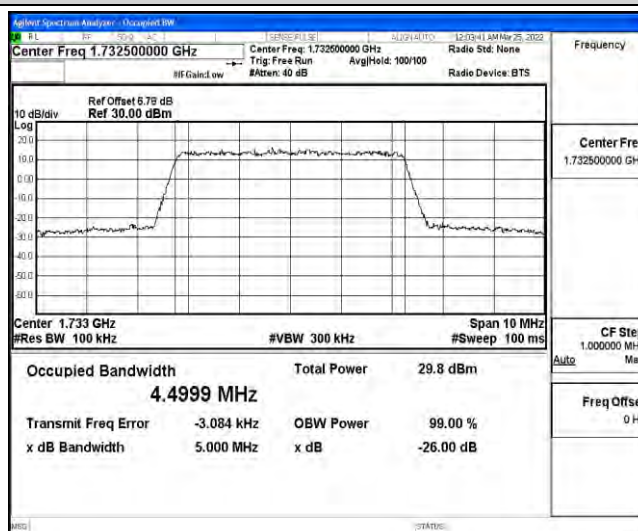


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Band4-5MHz-16QAM-19975-25RB#0



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



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



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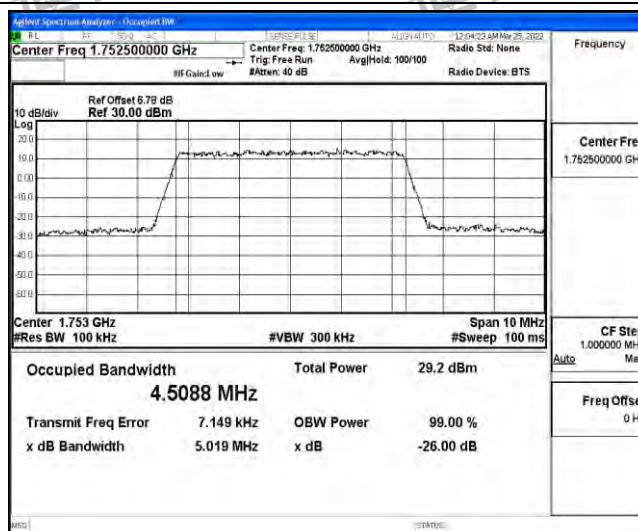
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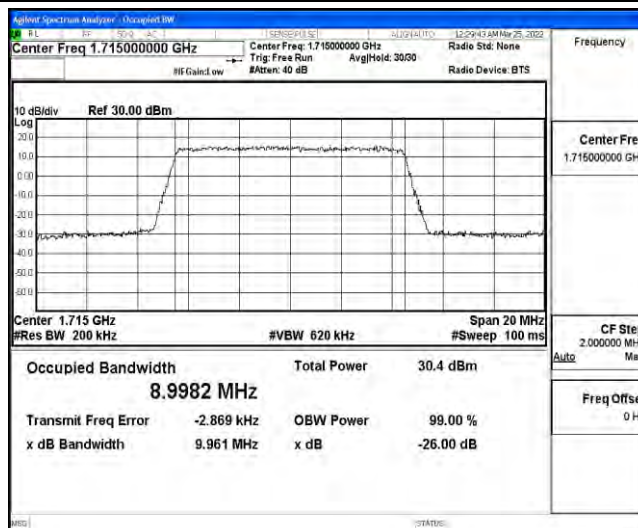
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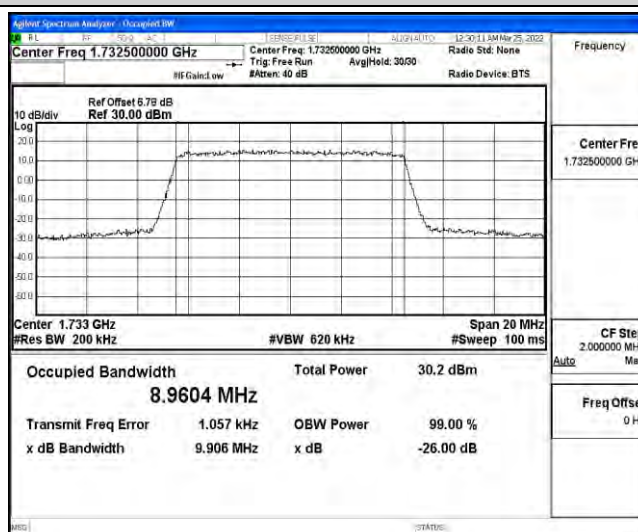
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Band4-10MHz-QPSK-20000-50RB#0



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

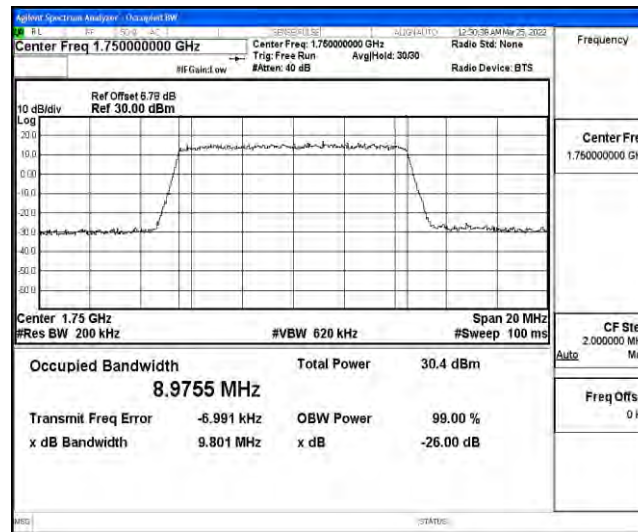


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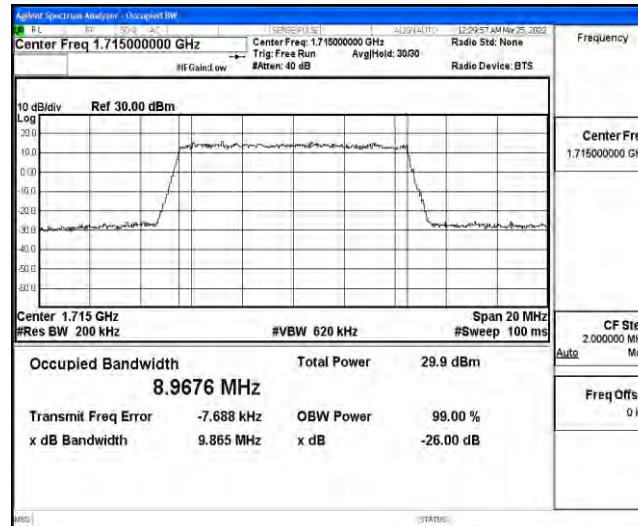


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Band4-10MHz-QPSK-20350-50RB#0



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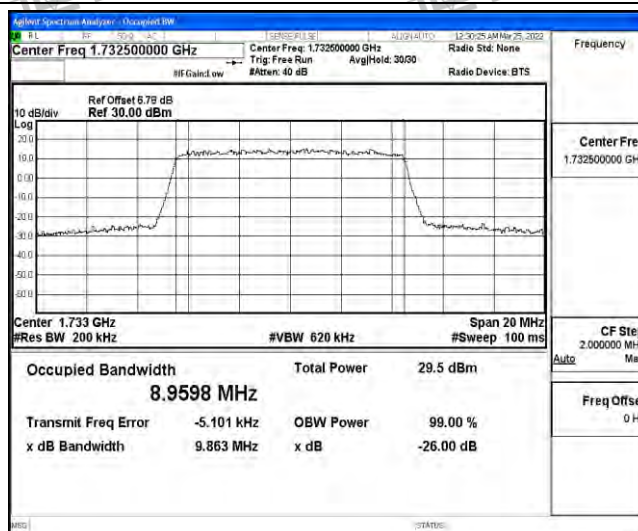
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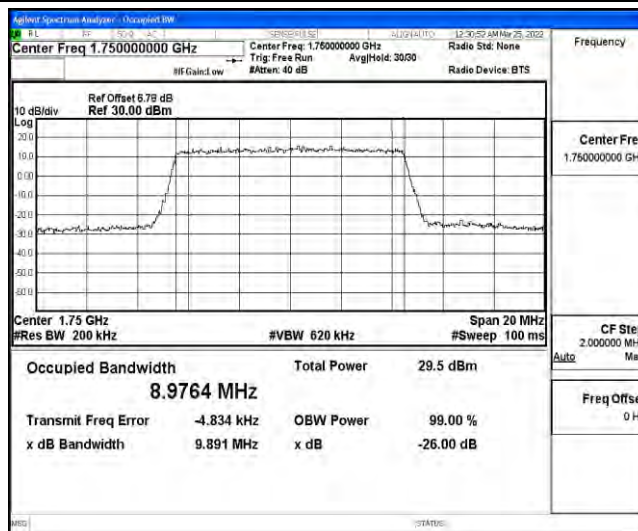
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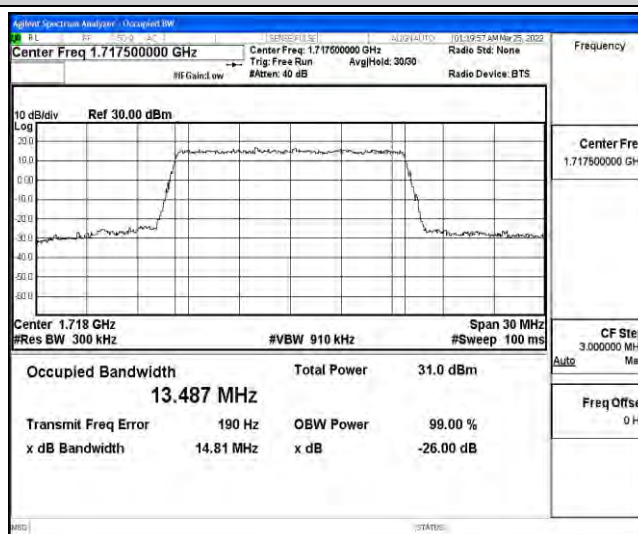
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Band4-10MHz-16QAM-20350-50RB#0



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

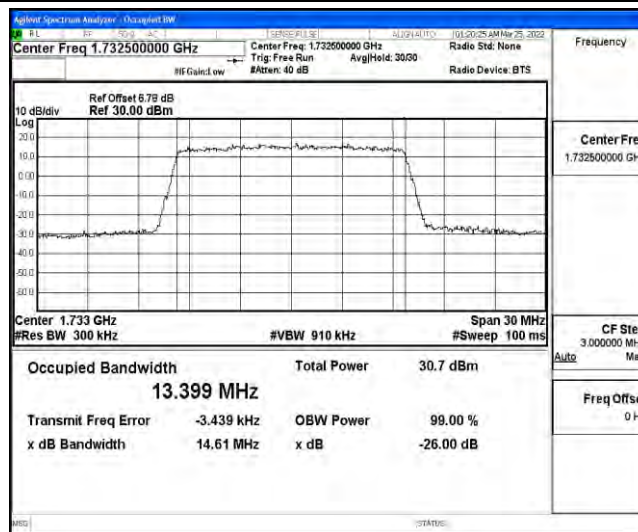


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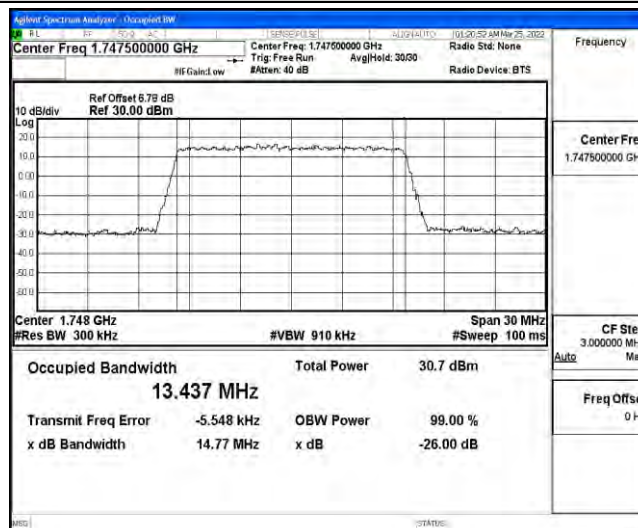


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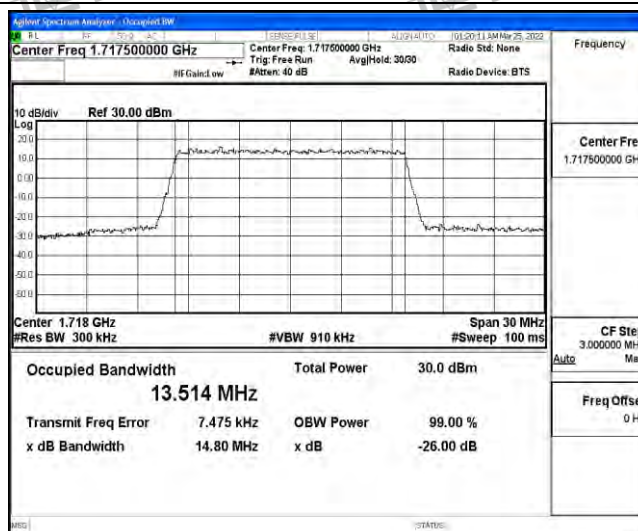
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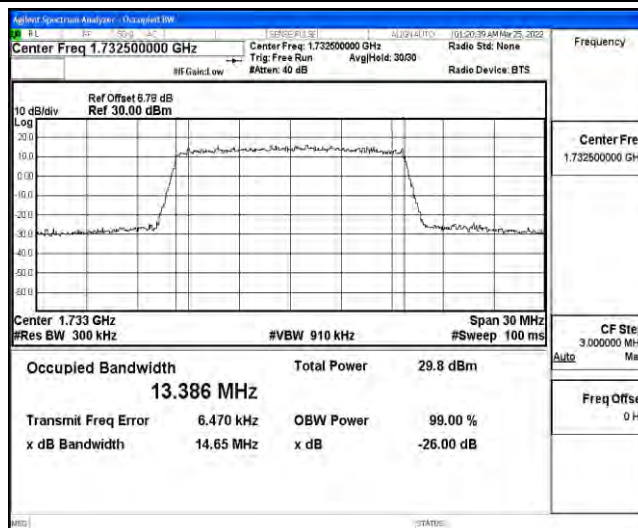
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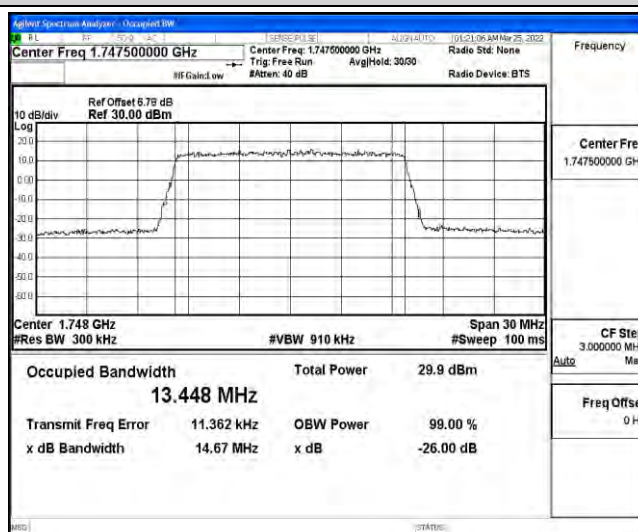
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Band4-15MHz-16QAM-20175-75RB#0



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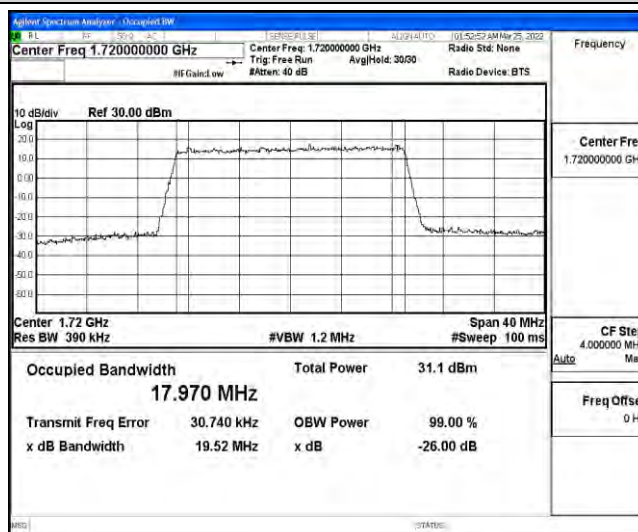


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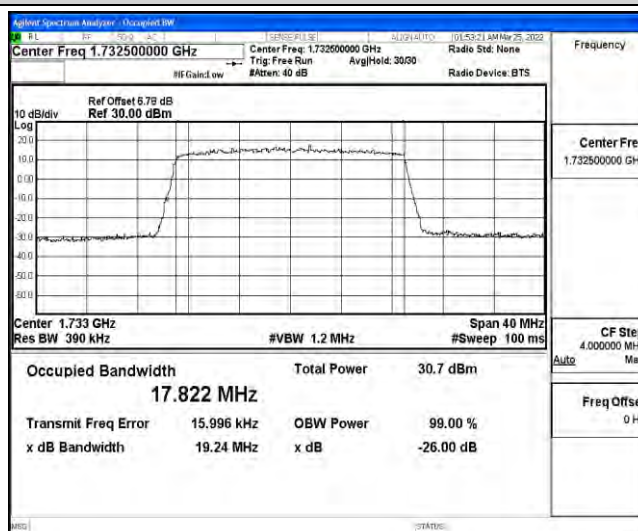


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Band4-20MHz-QPSK-20050-100RB#0



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



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



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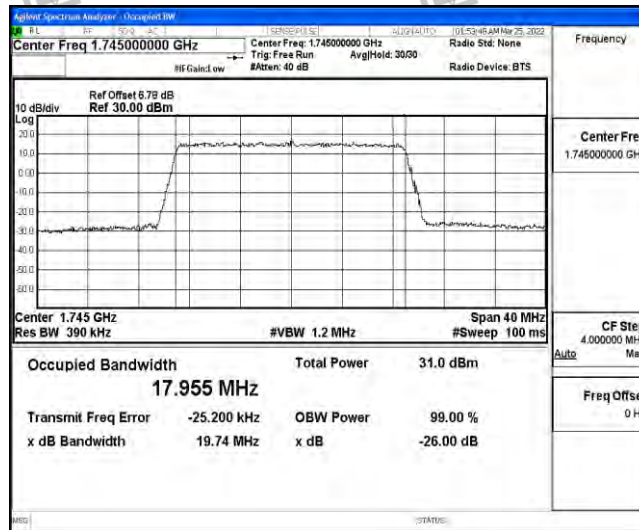
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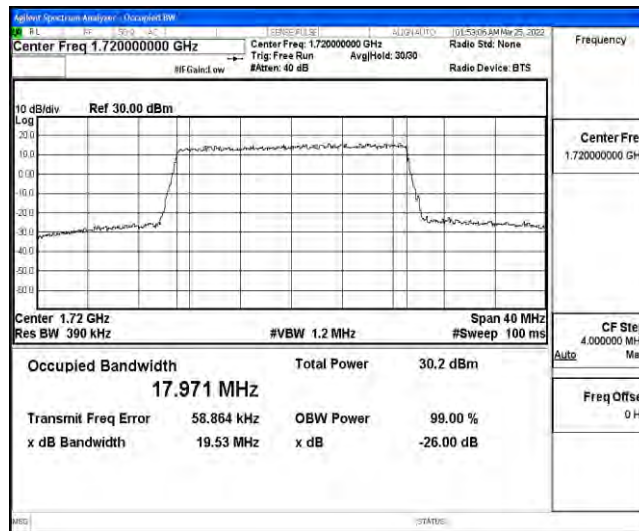
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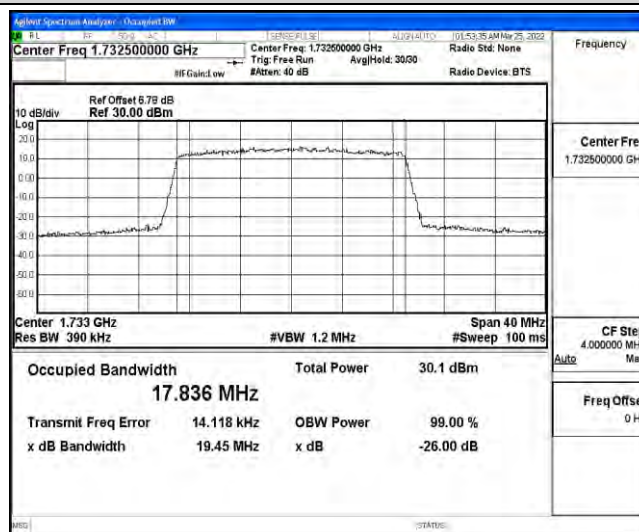
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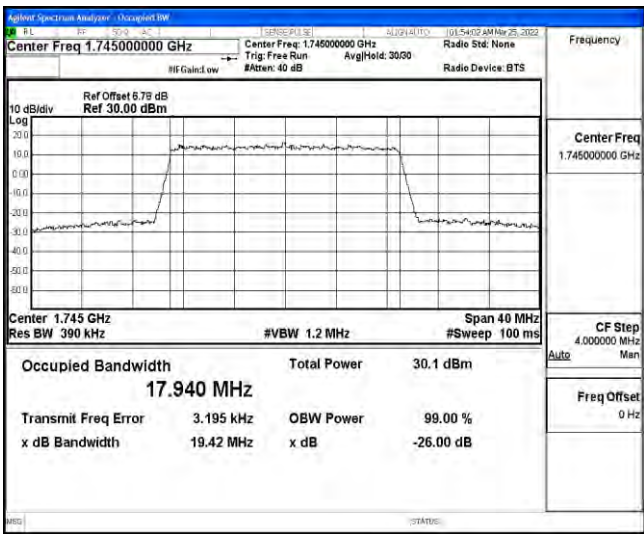
Band4-20MHz-16QAM-20175-100RB#0





LCS-2023047AEI

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



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G.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-29.07	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.68	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.52	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.19	PASS
Band4	3MHz	QPSK	19965	15RB#0	-25.85	PASS
Band4	3MHz	QPSK	20385	15RB#0	-25.85	PASS
Band4	3MHz	16QAM	19965	15RB#0	-26.69	PASS
Band4	3MHz	16QAM	20385	15RB#0	-27.28	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.27	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.01	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.11	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.95	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.86	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.73	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.27	PASS
Band4	10MHz	16QAM	20350	50RB#0	-29.65	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.83	PASS
Band4	15MHz	QPSK	20325	75RB#0	-31.24	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.35	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.65	PASS
Band4	20MHz	QPSK	20050	100RB#0	-35.20	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.40	PASS
Band4	20MHz	16QAM	20050	100RB#0	-34.28	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.01	PASS



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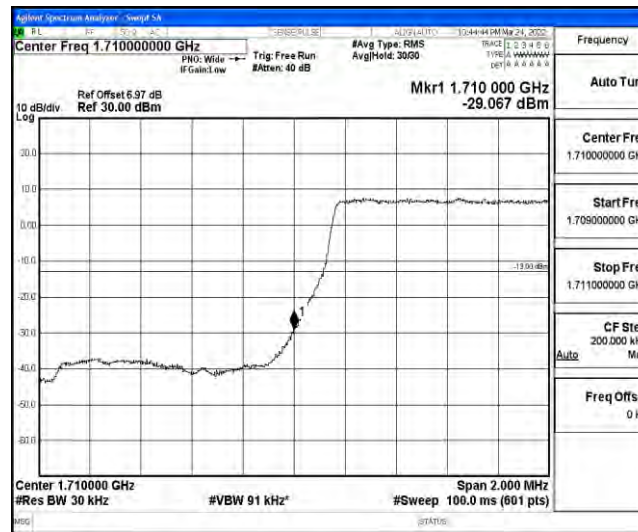
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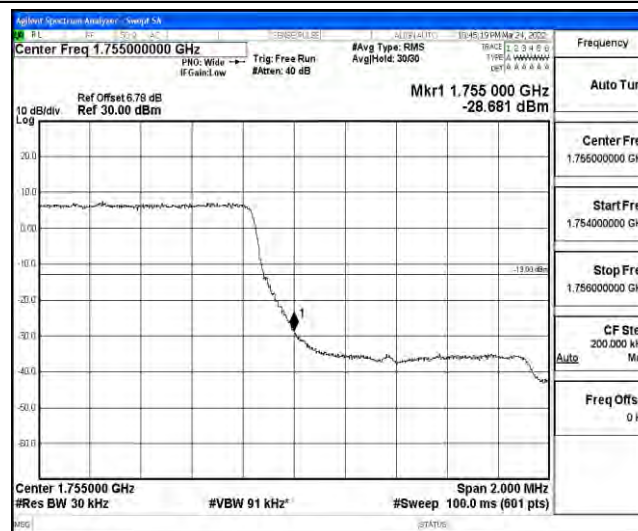
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Test Graphs

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



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



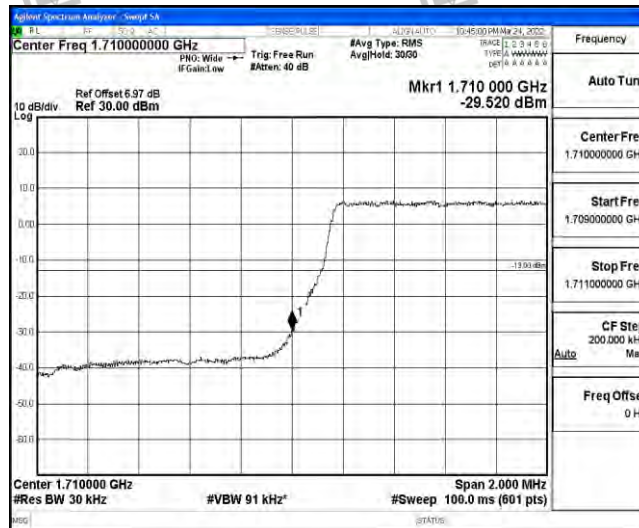
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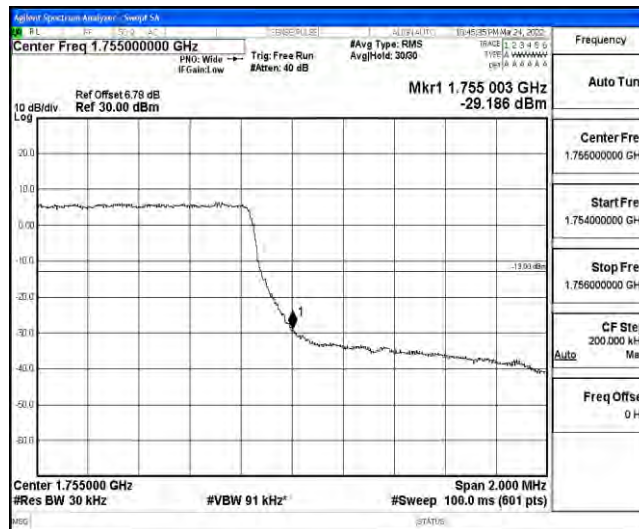
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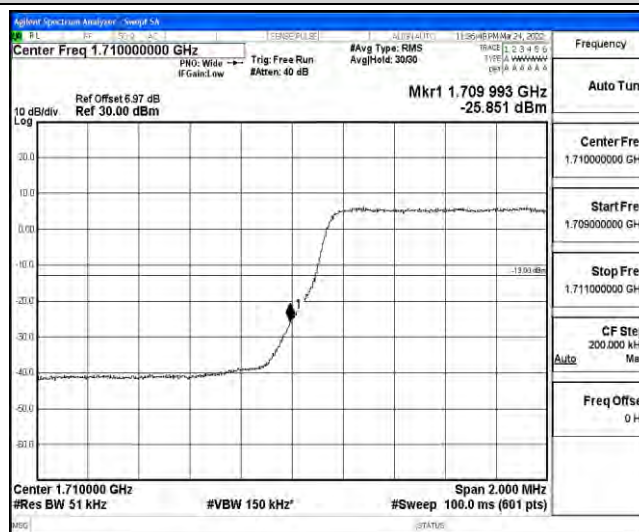
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Band4-1.4MHz-16QAM-20393-6RB#0



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



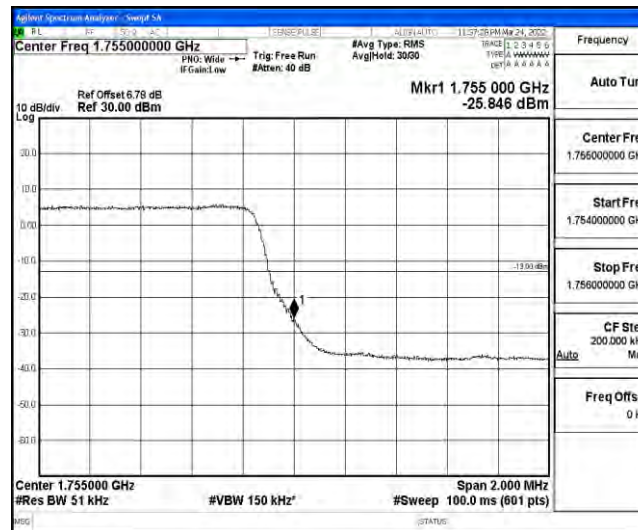
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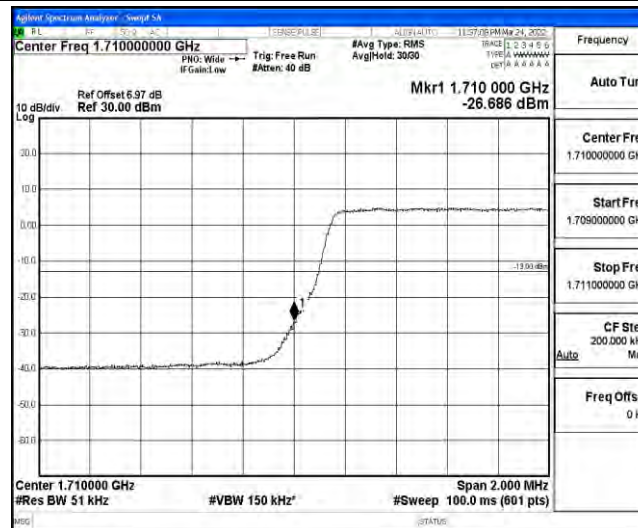


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Band4-3MHz-QPSK-20385-15RB#0



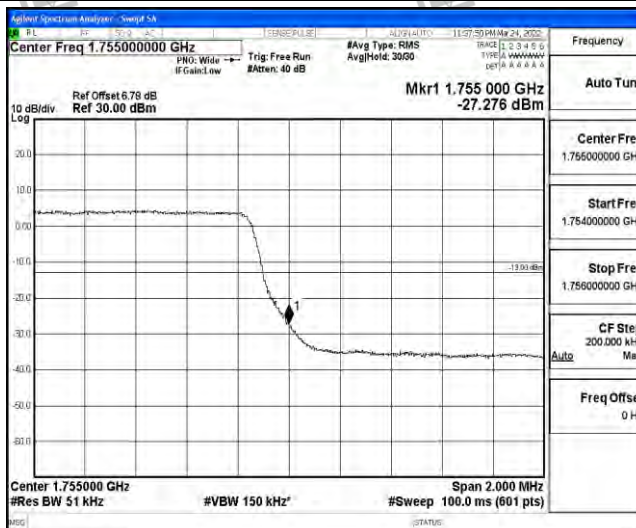
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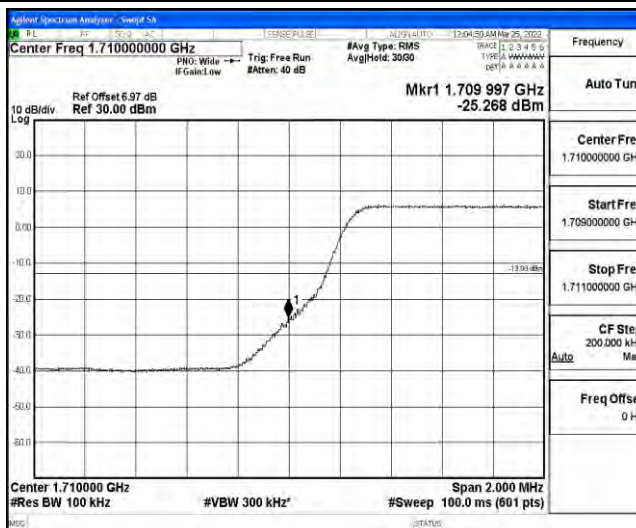
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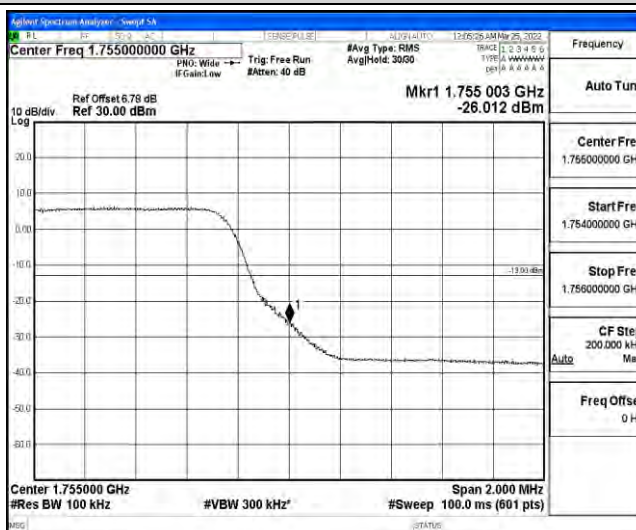
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Band4-5MHz-QPSK-19975-25RB#0



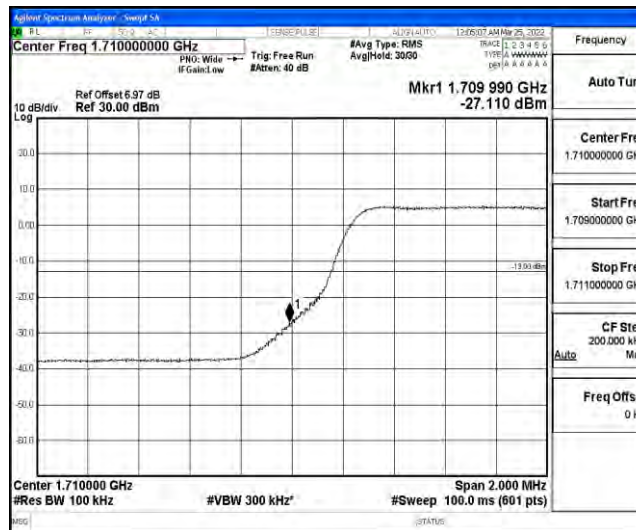
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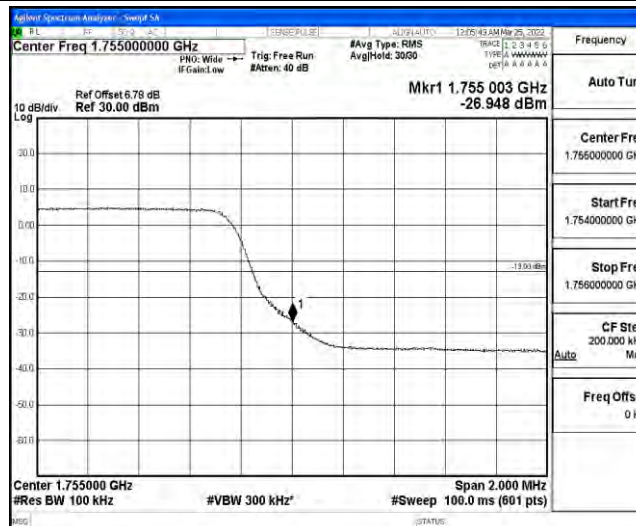


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Band4-5MHz-16QAM-19975-25RB#0



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



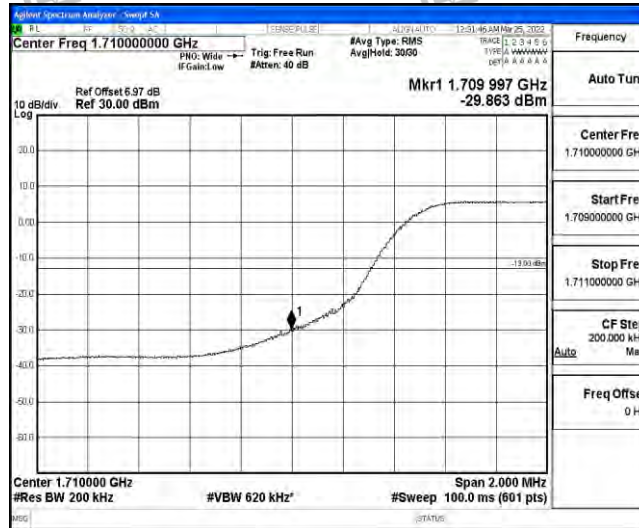
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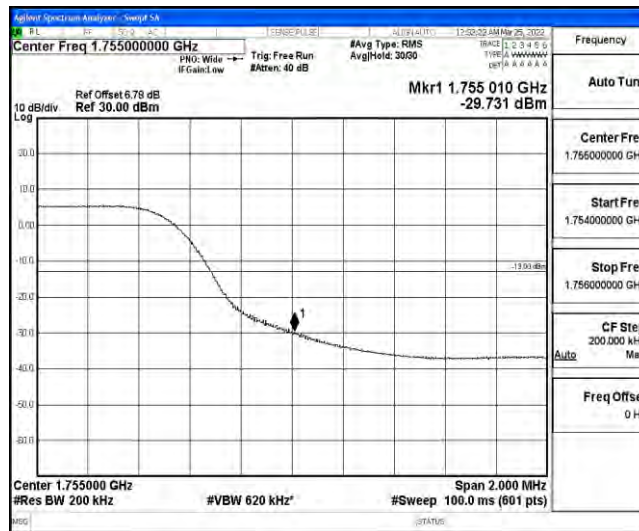
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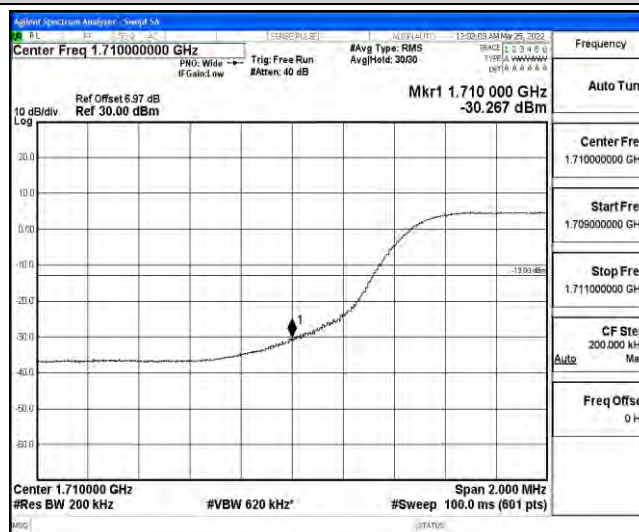
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Band4-10MHz-QPSK-20350-50RB#0



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



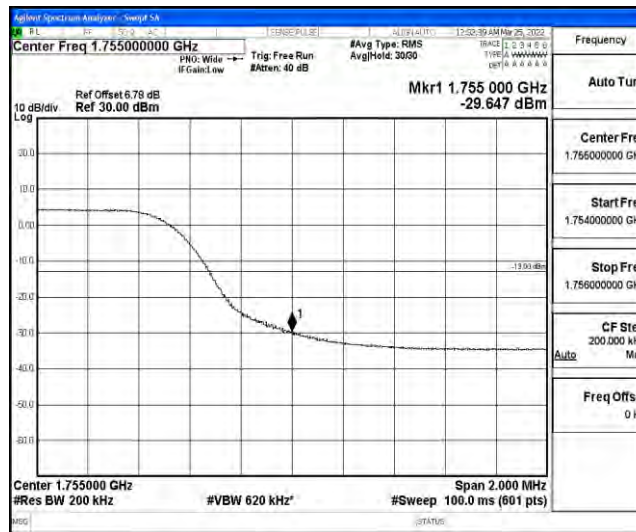
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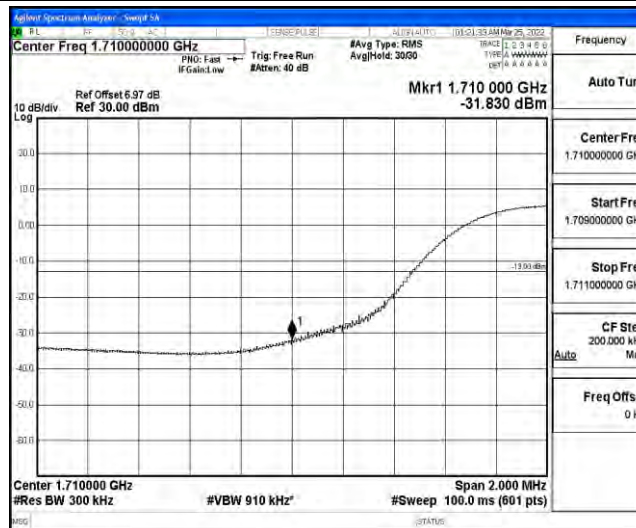


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Band4-15MHz-QPSK-20025-75RB#0



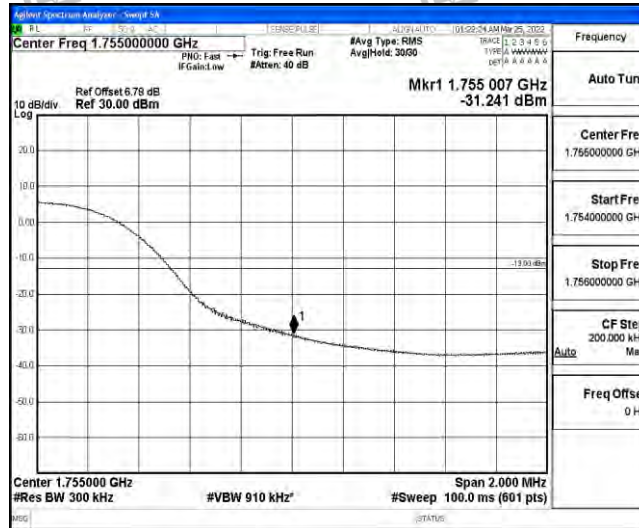
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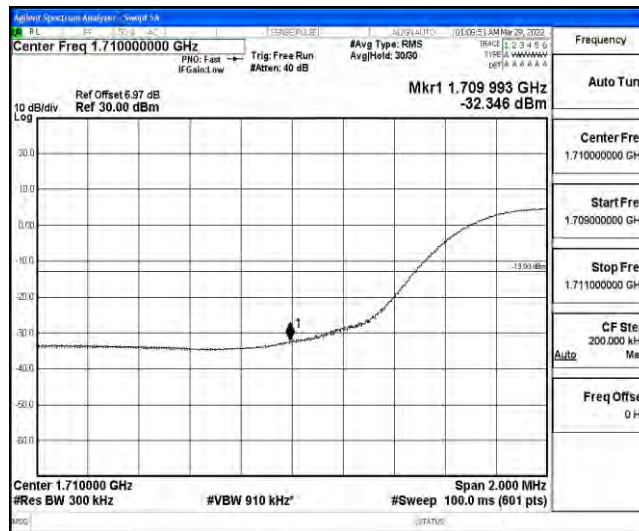
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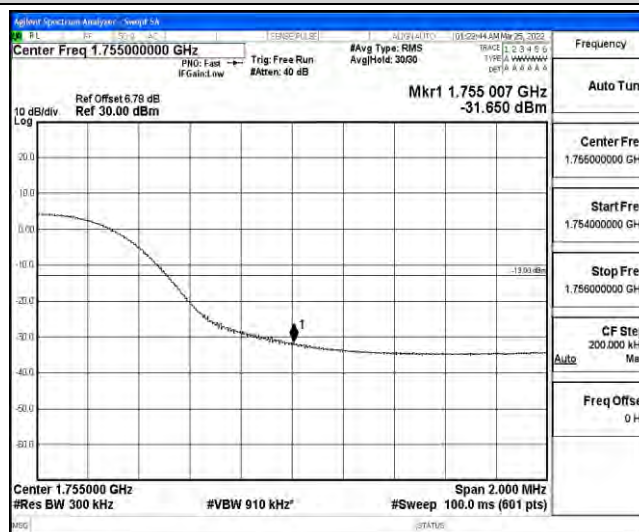
LCS Test 3047AEI

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



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



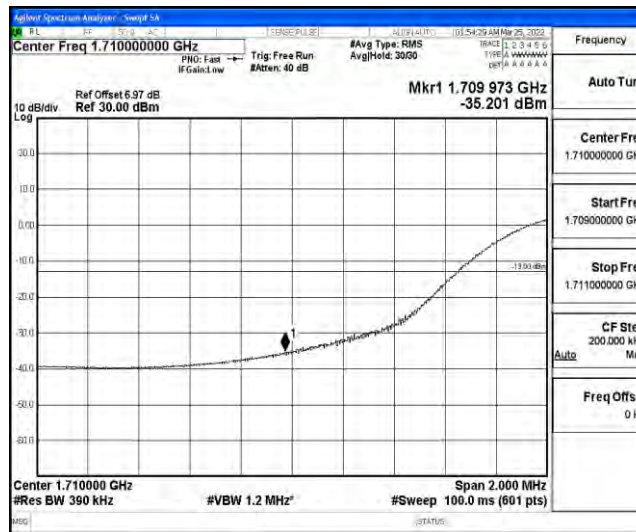
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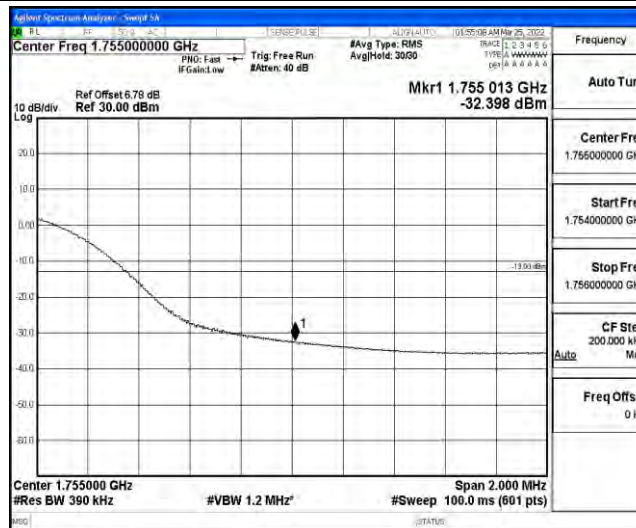


LCS-2023047AEI

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



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



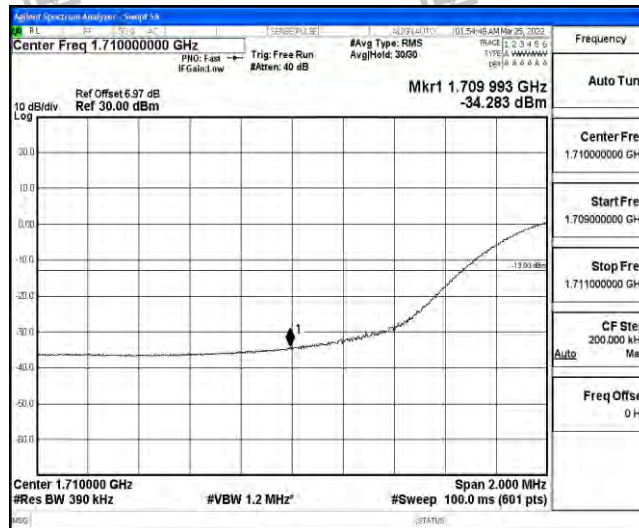
Band4-20MHz-16QAM-20050-100RB#0



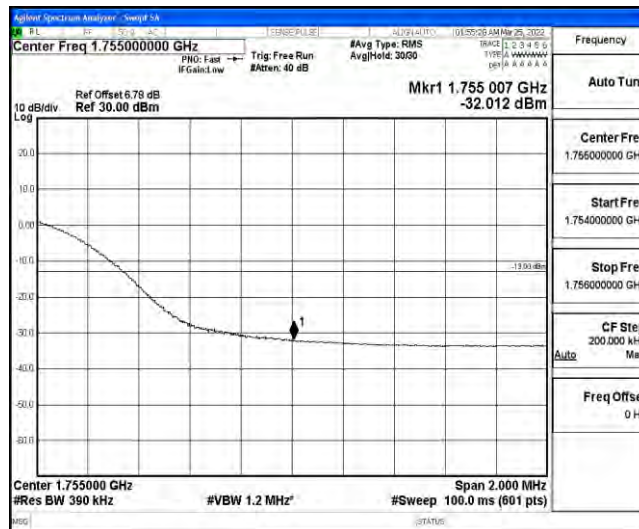
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Band4-20MHz-16QAM-20300-100RB#0

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G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:0.009~0.15MHz	-55.58	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:0.15~30MHz	-50.27	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:30~1000MHz	-41.23	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range4:1000~10000MHz	-44.81	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range5:10000~20000MHz	-32.84	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-54.84	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.63	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-42.11	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.14	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:0.009~0.15MHz	-55.69	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:0.15~30MHz	-49.96	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:30~1000MHz	-41.71	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range5:10000~20000MHz	-32.91	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:0.009~0.15MHz	-54.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:0.15~30MHz	-50.16	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:30~1000MHz	-41.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range5:10000~20000MHz	-32.96	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.24	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-52.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-42.21	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.01	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:0.009~0.15MHz	-56.17	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:0.15~30MHz	-51.28	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:30~1000MHz	-42.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range5:10000~20000MHz	-32.89	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:0.009~0.15MHz	-54.52	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:0.15~30MHz	-51.42	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:30~1000MHz	-41.91	PASS



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Band4	3MHz	QPSK	19965	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range5:10000~20000MHz	-33.09	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-56.03	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-50.05	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-42.24	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.07	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:0.009~0.15MHz	-56.4	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:0.15~30MHz	-51.81	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:30~1000MHz	-42.71	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range5:10000~20000MHz	-32.9	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:0.009~0.15MHz	-55.21	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:0.15~30MHz	-51.64	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:30~1000MHz	-42.34	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range4:1000~10000MHz	-44.78	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range5:10000~20000MHz	-33.22	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-53.57	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-50.38	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-42.02	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-45.09	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.03	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:0.009~0.15MHz	-56.13	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:0.15~30MHz	-50.95	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:30~1000MHz	-43.59	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range5:10000~20000MHz	-33.07	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:0.009~0.15MHz	-55.79	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:0.15~30MHz	-50.18	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:30~1000MHz	-42.47	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range5:10000~20000MHz	-33.04	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-54.3	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.2	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.72	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.01	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:0.009~0.15MHz	-55.26	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:0.15~30MHz	-51.19	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:30~1000MHz	-41.77	PASS



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Band4	5MHz	QPSK	20375	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range5:10000~20000MHz	-33.18	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:0.009~0.15MHz	-55.28	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:0.15~30MHz	-52.17	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:30~1000MHz	-42.21	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range5:10000~20000MHz	-32.92	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.91	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-51.87	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.06	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.18	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:0.009~0.15MHz	-55.1	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:0.15~30MHz	-50.56	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:30~1000MHz	-42.32	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range4:1000~10000MHz	-45	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range5:10000~20000MHz	-33.15	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:0.009~0.15MHz	-55.89	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:0.15~30MHz	-51.93	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:30~1000MHz	-41.2	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range4:1000~10000MHz	-44.73	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range5:10000~20000MHz	-32.9	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-56.12	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.98	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.06	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:0.009~0.15MHz	-56.09	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:0.15~30MHz	-51.93	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:30~1000MHz	-41.04	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range5:10000~20000MHz	-33.12	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:0.009~0.15MHz	-54.84	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:0.15~30MHz	-50	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:30~1000MHz	-40.45	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range5:10000~20000MHz	-33.09	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-56.16	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-52.14	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.14	PASS



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Band4	10MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.03	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:0.009~0.15MHz	-55.01	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:0.15~30MHz	-51.63	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:30~1000MHz	-41.81	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range5:10000~20000MHz	-33.11	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:0.009~0.15MHz	-56.21	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:0.15~30MHz	-50.41	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:30~1000MHz	-42.11	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range5:10000~20000MHz	-32.98	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-54.12	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-49.83	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.99	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-32.99	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:0.009~0.15MHz	-52.98	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:0.15~30MHz	-51.63	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:30~1000MHz	-40.87	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range4:1000~10000MHz	-44.82	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range5:10000~20000MHz	-33.03	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:0.009~0.15MHz	-55.45	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:0.15~30MHz	-51.8	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:30~1000MHz	-42.2	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range5:10000~20000MHz	-33	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-54.88	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-51.07	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.52	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.11	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:0.009~0.15MHz	-54.89	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:0.15~30MHz	-50.96	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:30~1000MHz	-42.94	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range5:10000~20000MHz	-33.09	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:0.009~0.15MHz	-55.97	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:0.15~30MHz	-51.1	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:30~1000MHz	-41.44	PASS



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Band4	20MHz	QPSK	20050	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range5:10000~20000MHz	-32.91	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-55.26	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.29	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-42.32	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.01	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:0.009~0.15MHz	-55.31	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:0.15~30MHz	-50.76	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:30~1000MHz	-42.05	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range4:1000~10000MHz	-44.8	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range5:10000~20000MHz	-33.08	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:0.009~0.15MHz	-54.27	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:0.15~30MHz	-51.05	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:30~1000MHz	-42.52	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range5:10000~20000MHz	-32.74	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-56.66	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-50.77	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.98	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.1	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:0.009~0.15MHz	-56.98	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:0.15~30MHz	-51.75	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:30~1000MHz	-41.69	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range5:10000~20000MHz	-33.01	PASS



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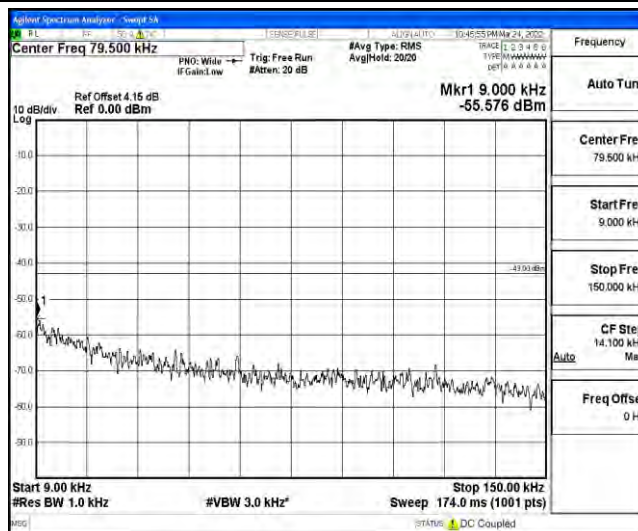
Scan code to check authenticity



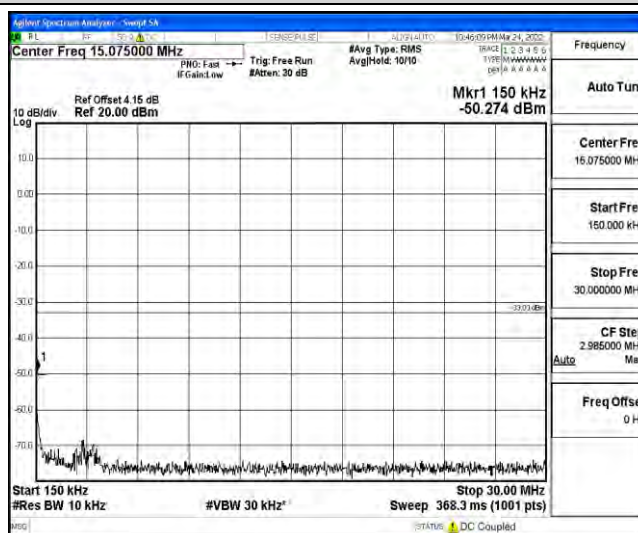
LCS Testing Lab 3047AEI

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0-Range1:0.009~0.15MHz



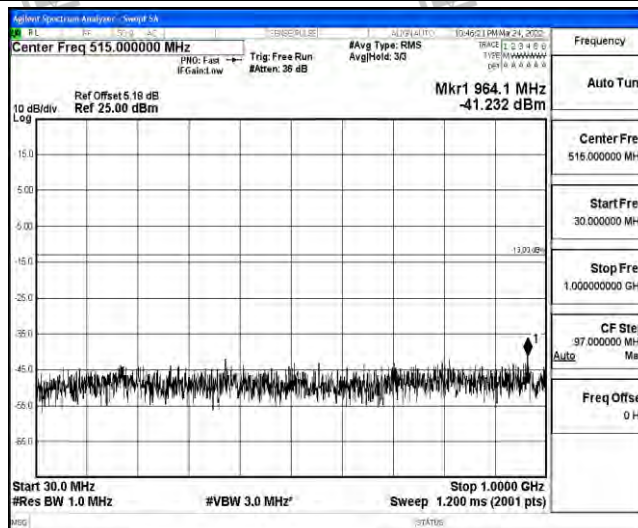
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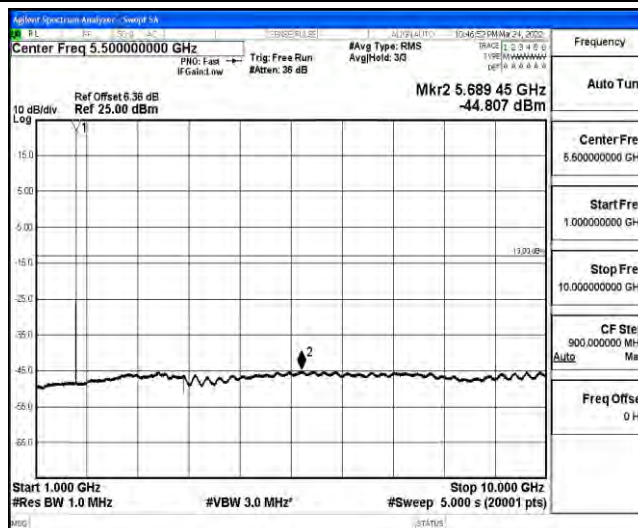
Band4-1.4MHz-QPSK-19957-1RB#0-Range3:30~1000MHz



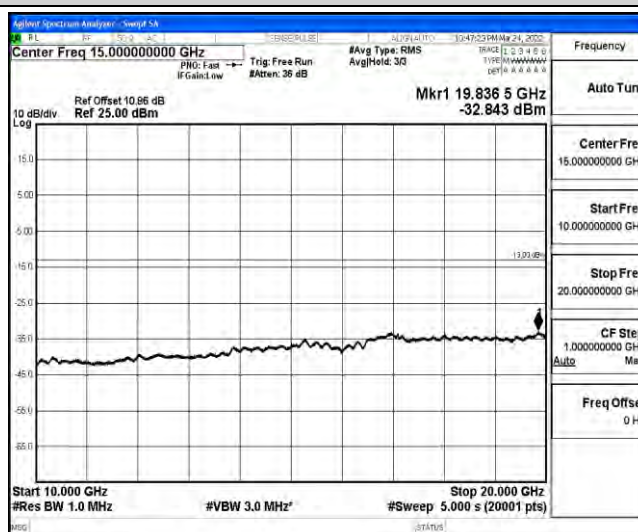
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Band4-1.4MHz-QPSK-19957-1RB#0-Range4:1000~10000MHz



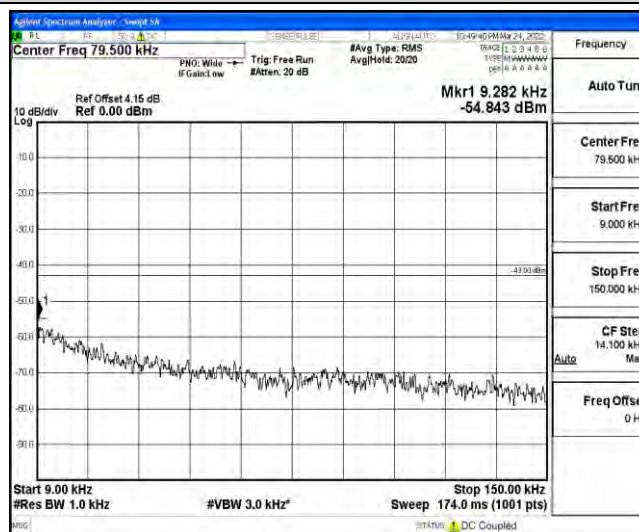
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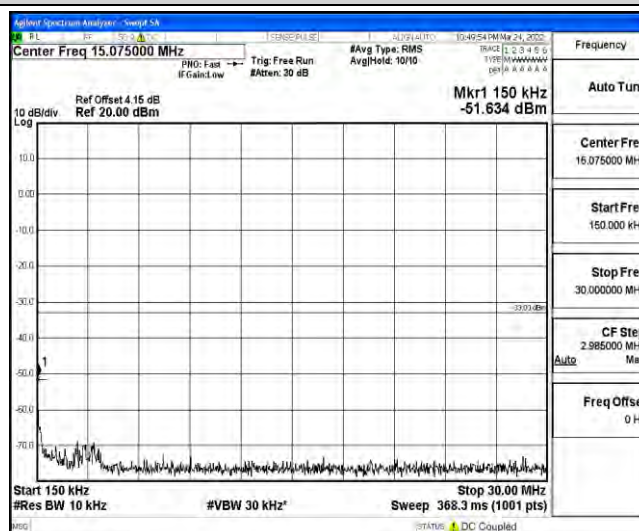


LCS Testing Lab 3047AEI

Band4-1.4MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



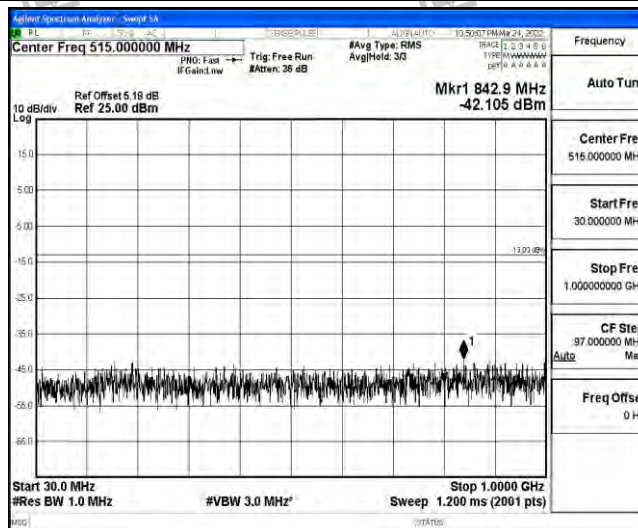
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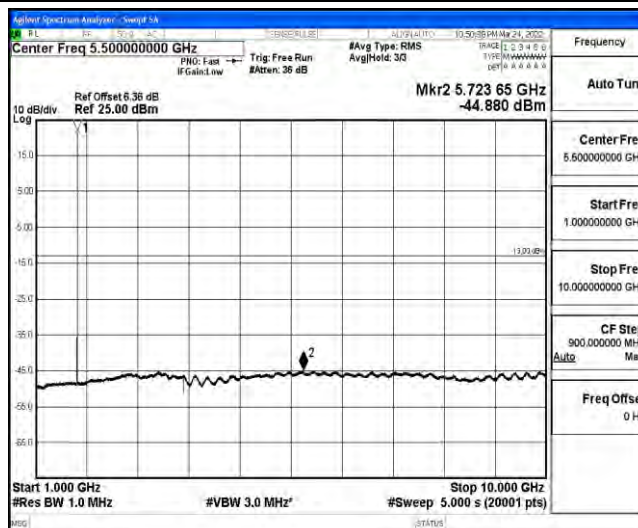
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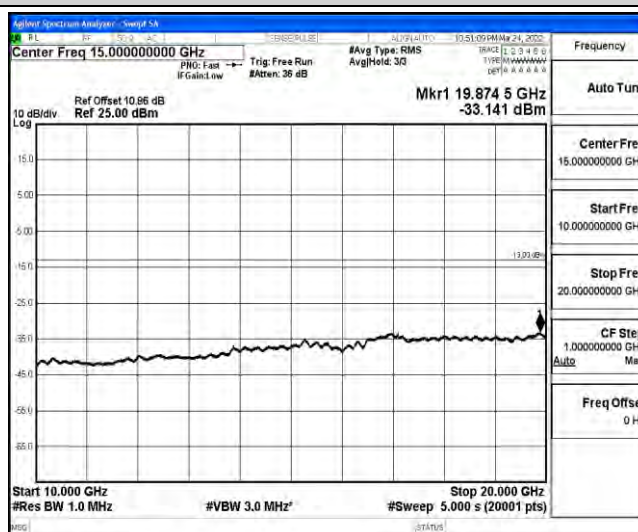
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Band4-1.4MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz



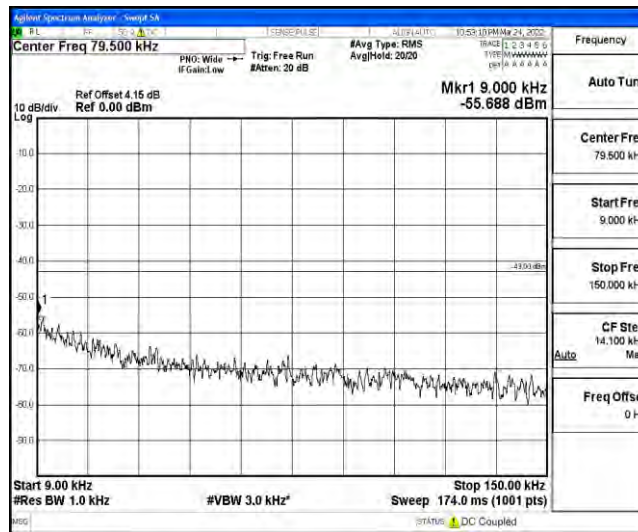
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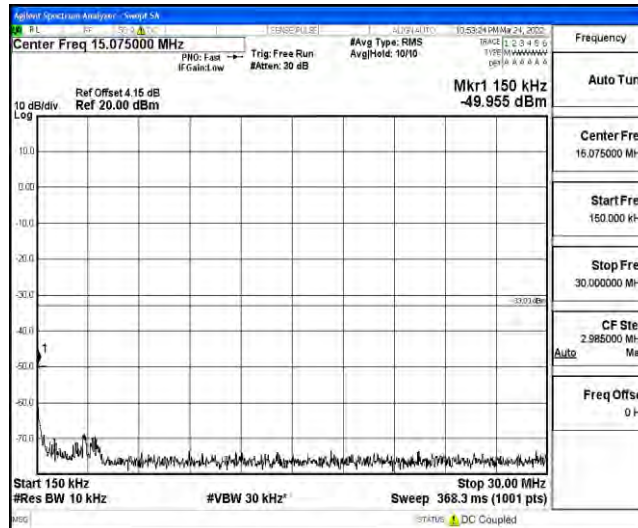


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Band4-1.4MHz-QPSK-20393-1RB#0-Range1:0.009~0.15MHz



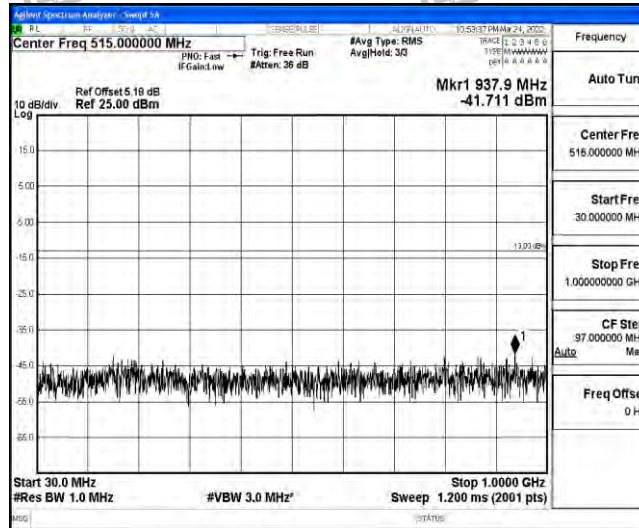
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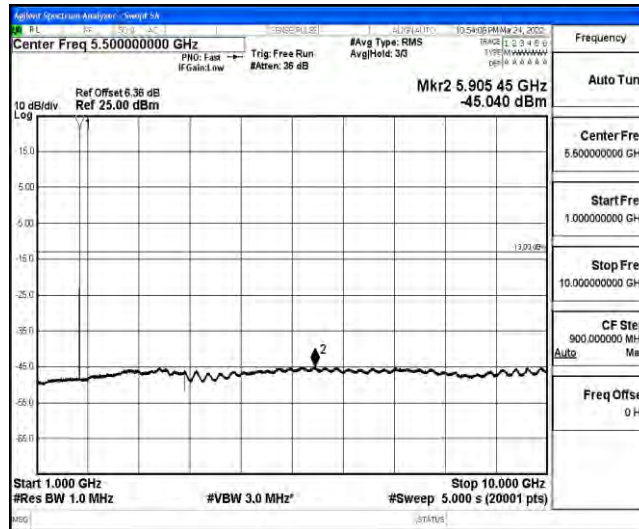
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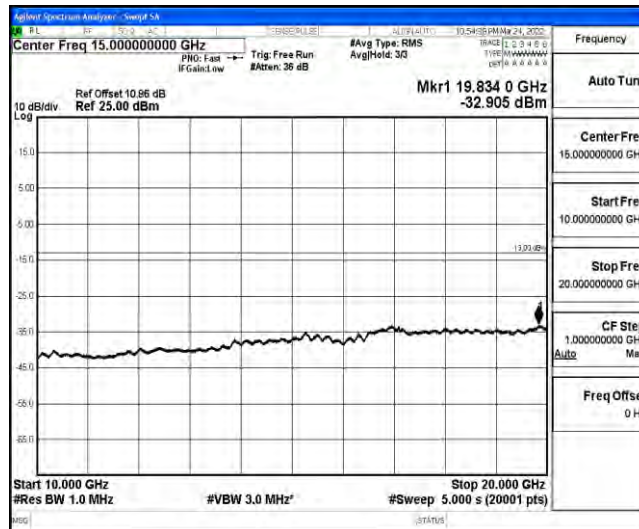
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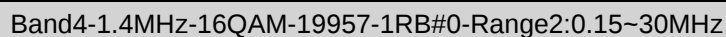
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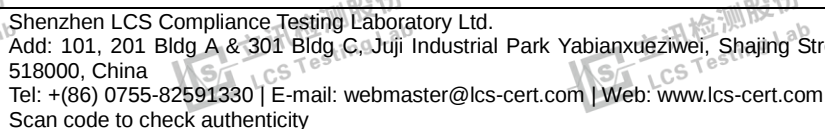
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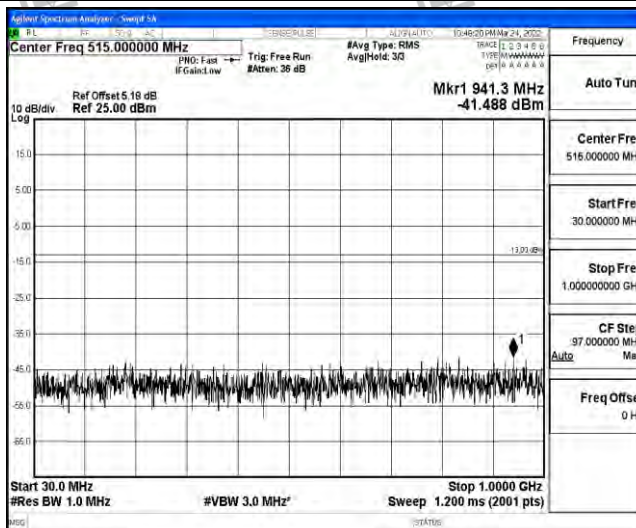


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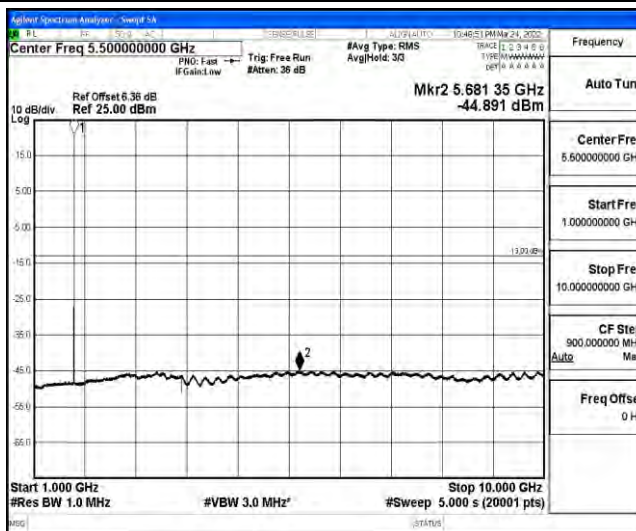


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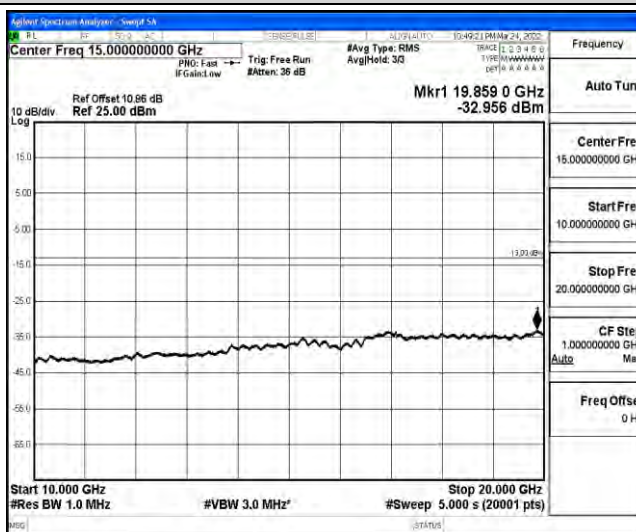




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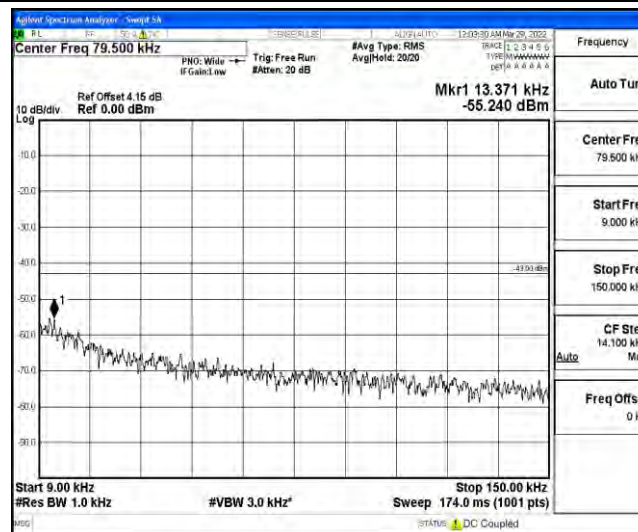
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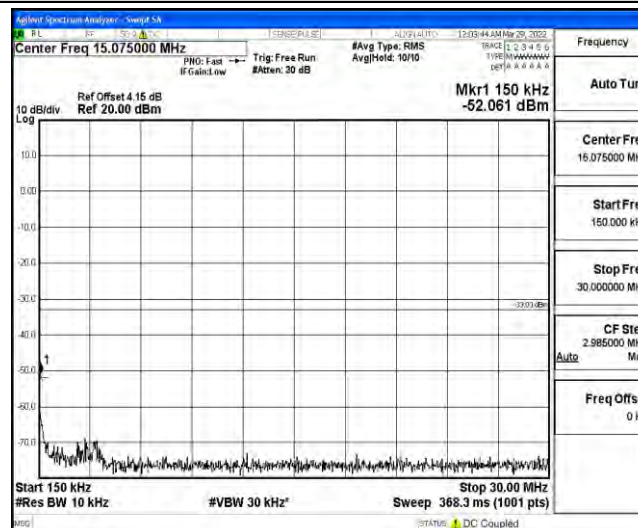


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Band4-1.4MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



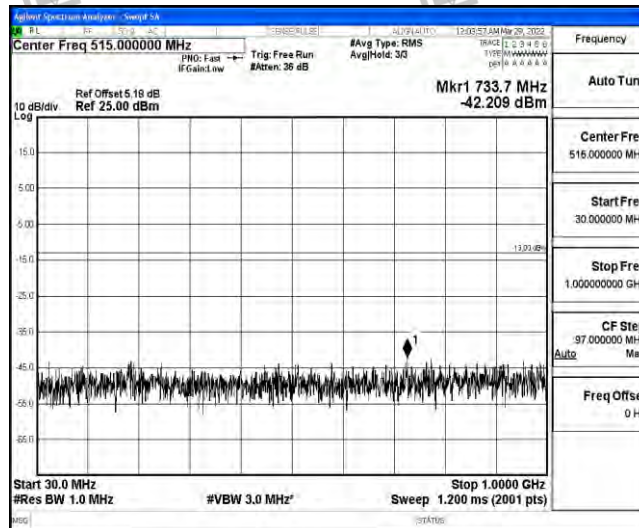
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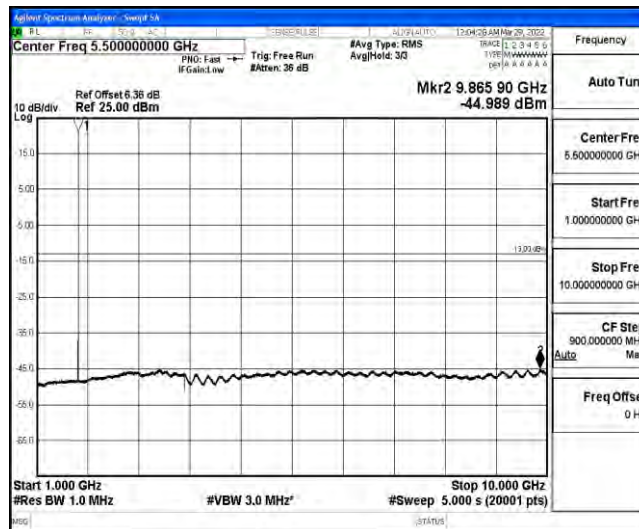
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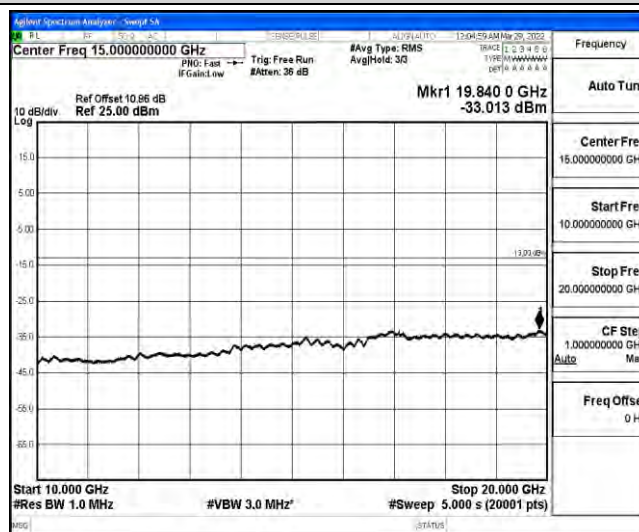
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Band4-1.4MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



Band4-1.4MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz



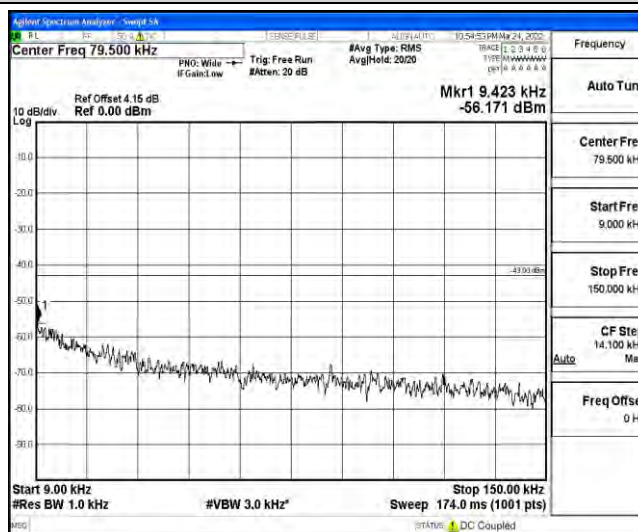
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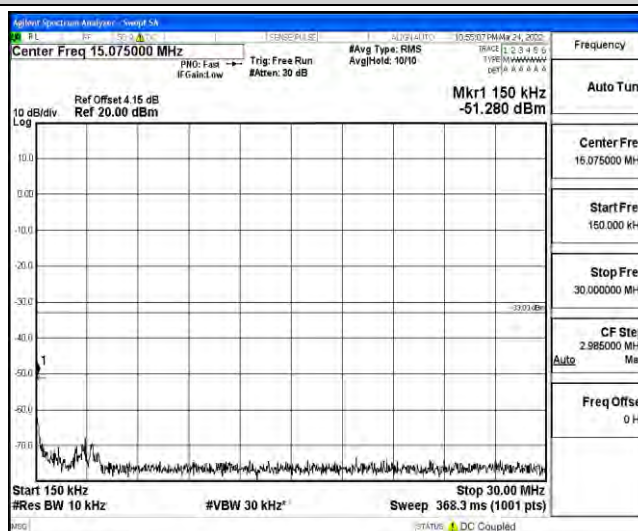


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Band4-1.4MHz-16QAM-20393-1RB#0-Range1:0.009~0.15MHz



Band4-1.4MHz-16QAM-20393-1RB#0-Range2:0.15~30MHz



Band4-1.4MHz-16QAM-20393-1RB#0-Range3:30~1000MHz

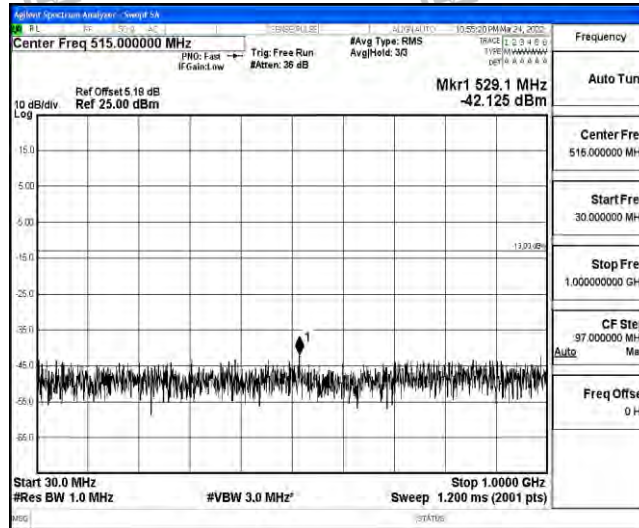


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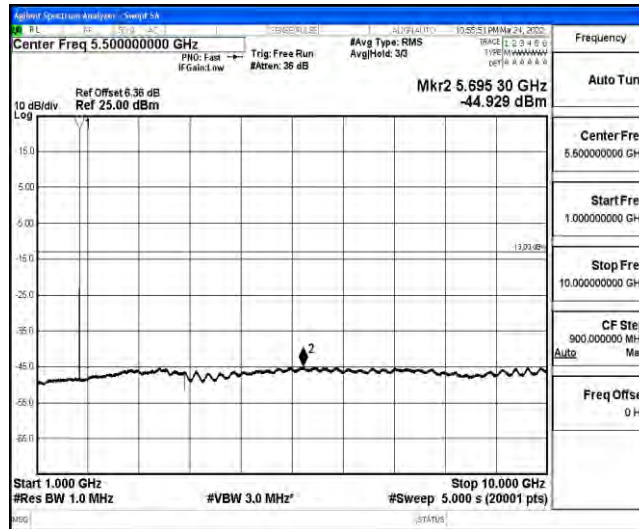
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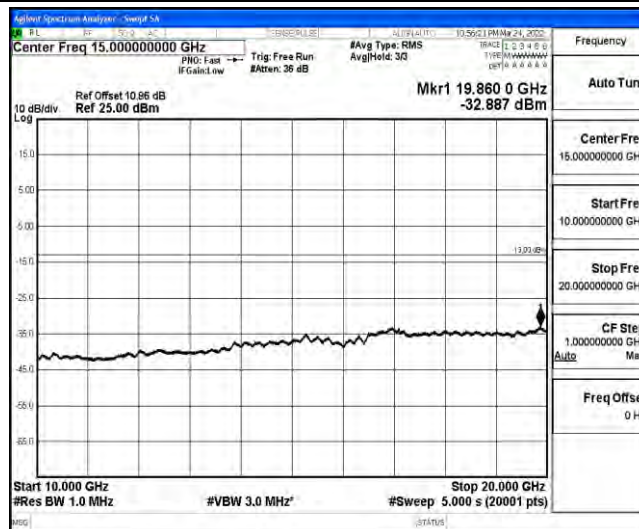
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Band4-1.4MHz-16QAM-20393-1RB#0-Range4:1000~10000MHz



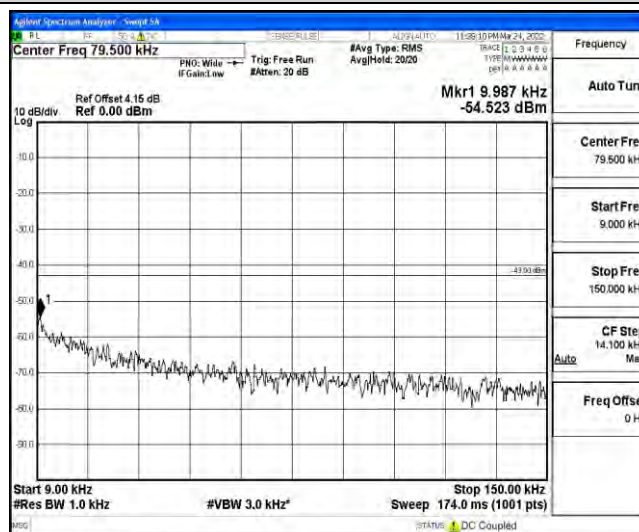
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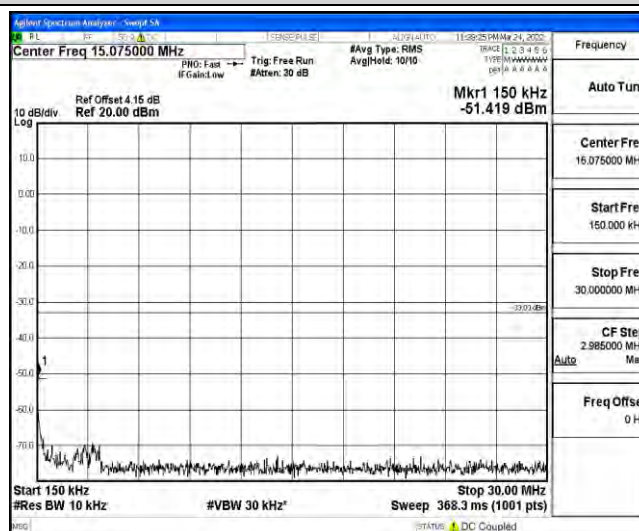


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Band4-3MHz-QPSK-19965-1RB#0-Range1:0.009~0.15MHz



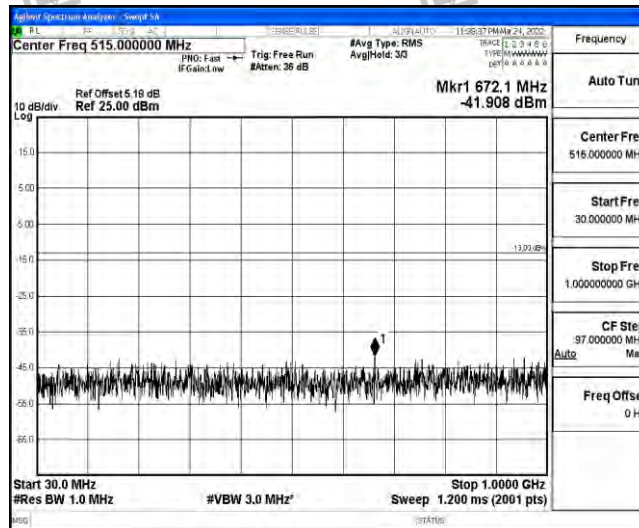
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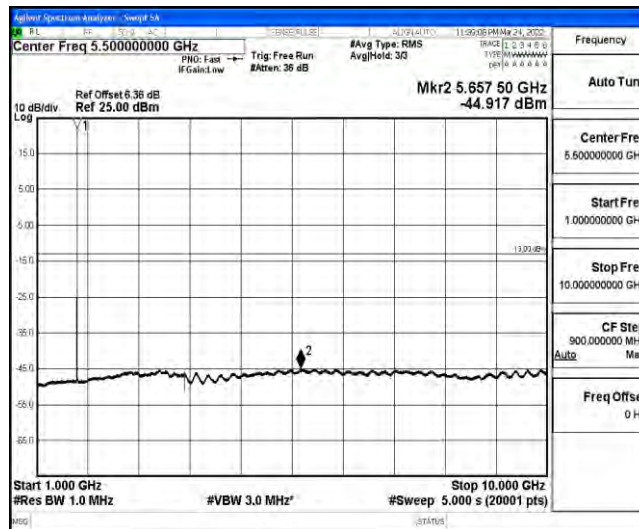
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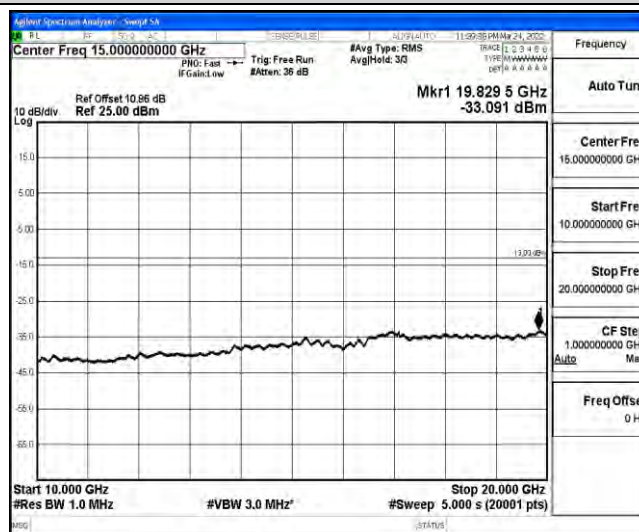
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Band4-3MHz-QPSK-19965-1RB#0-Range4:1000~10000MHz



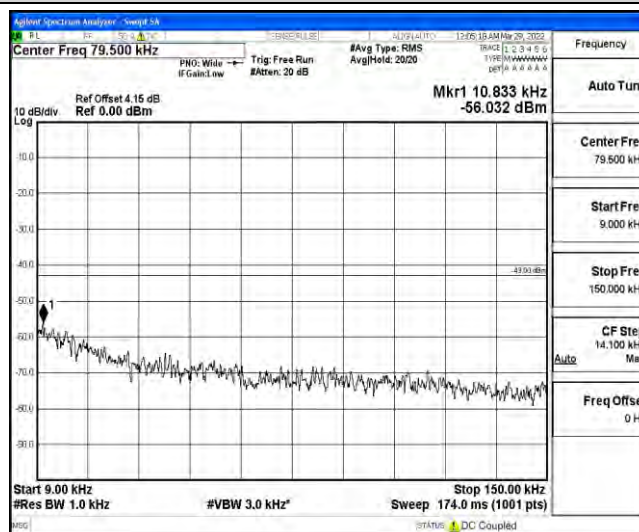
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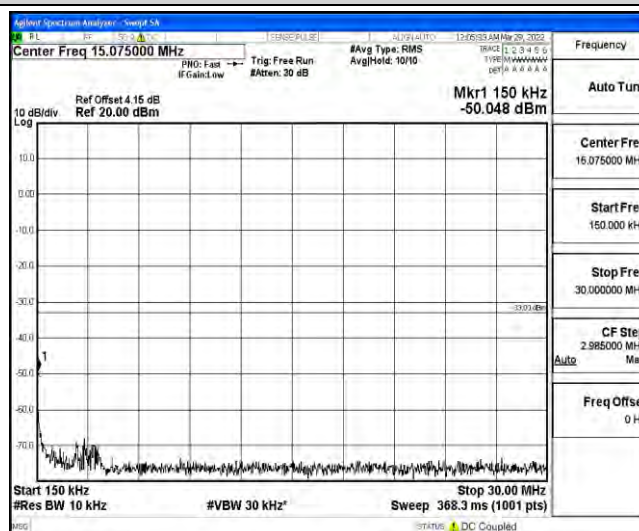


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Band4-3MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



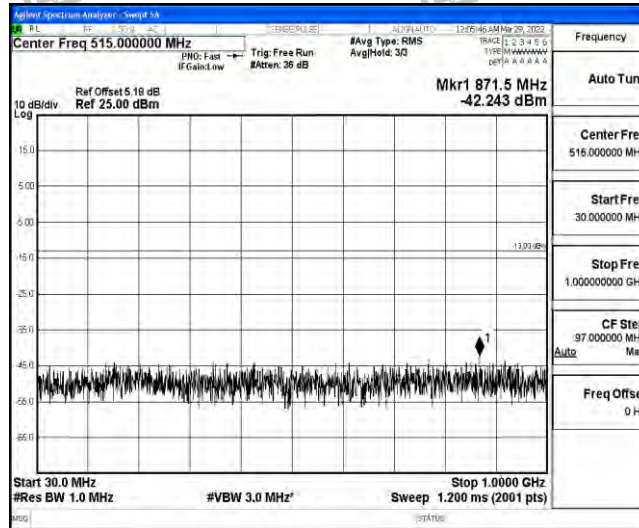
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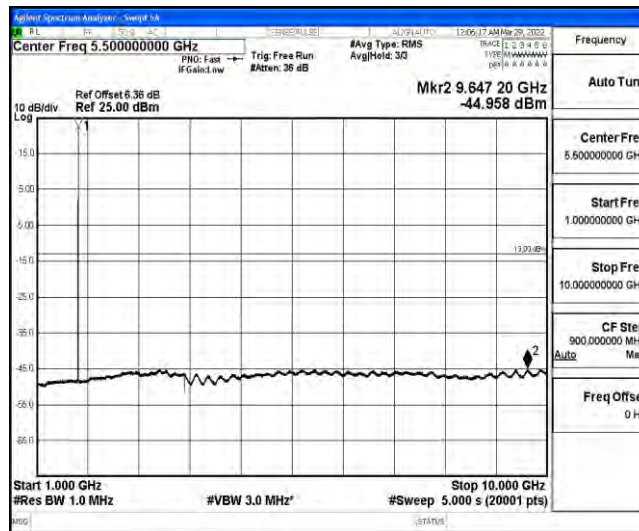
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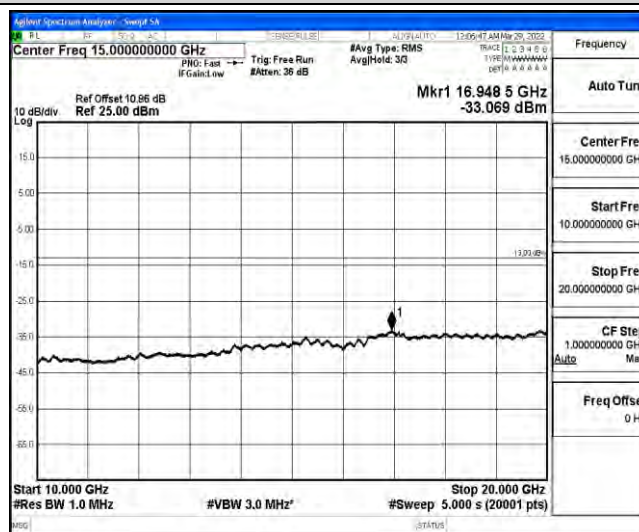
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Band4-3MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz



Band4-3MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz



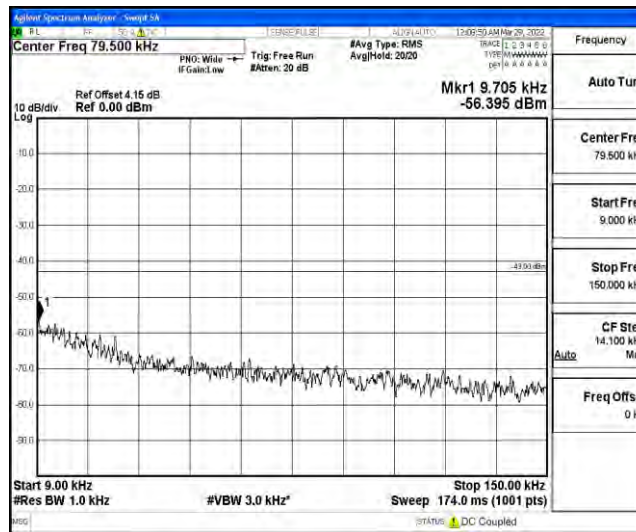
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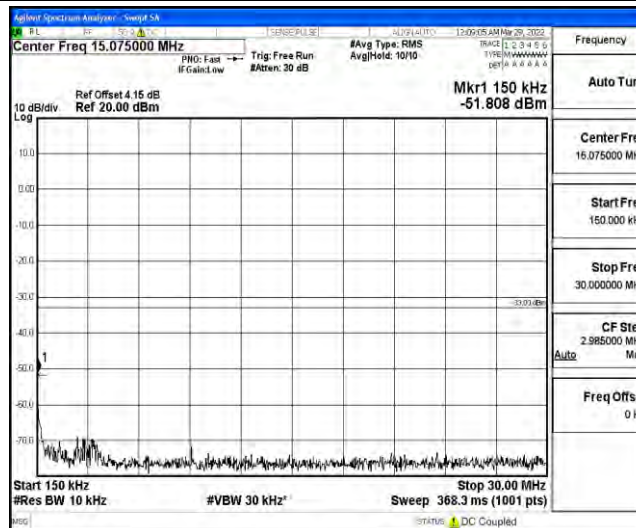


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Band4-3MHz-QPSK-20385-1RB#0-Range1:0.009~0.15MHz



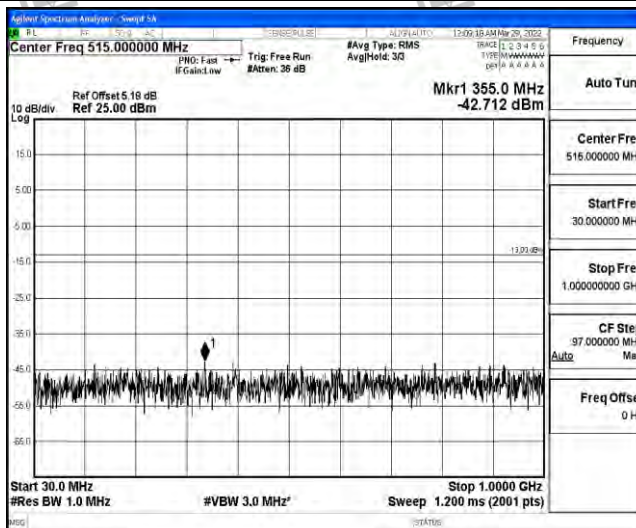
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Band4-3MHz-QPSK-20385-1RB#0-Range3:30~1000MHz



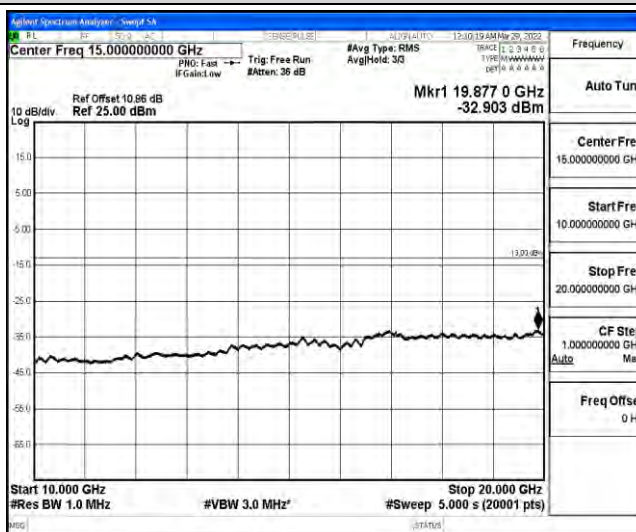
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Band4-3MHz-QPSK-20385-1RB#0-Range4:1000~10000MHz



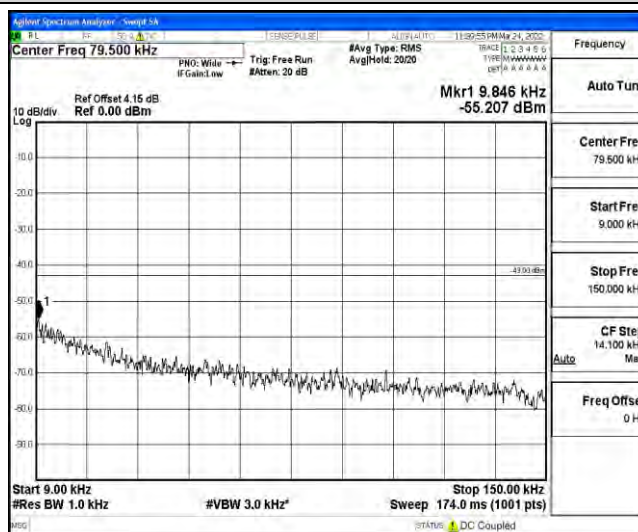
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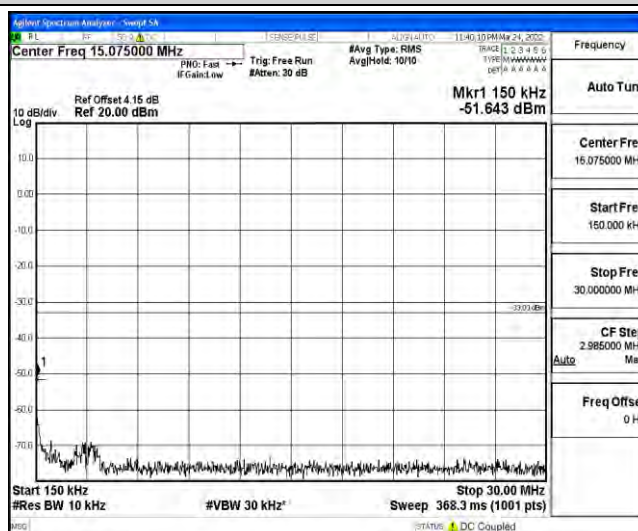


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Band4-3MHz-16QAM-19965-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-16QAM-19965-1RB#0-Range2:0.15~30MHz



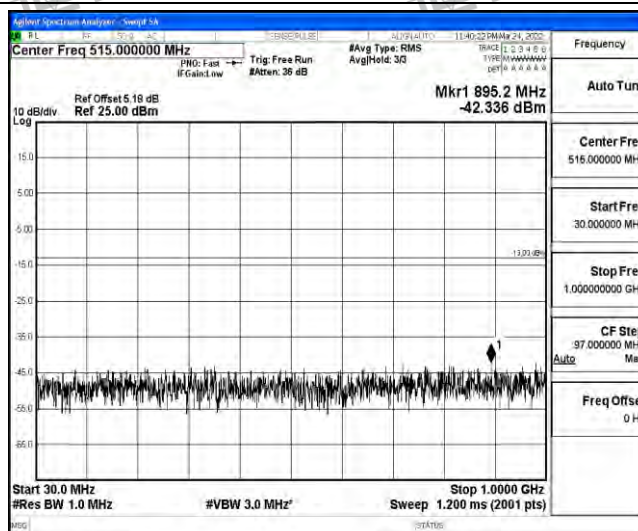
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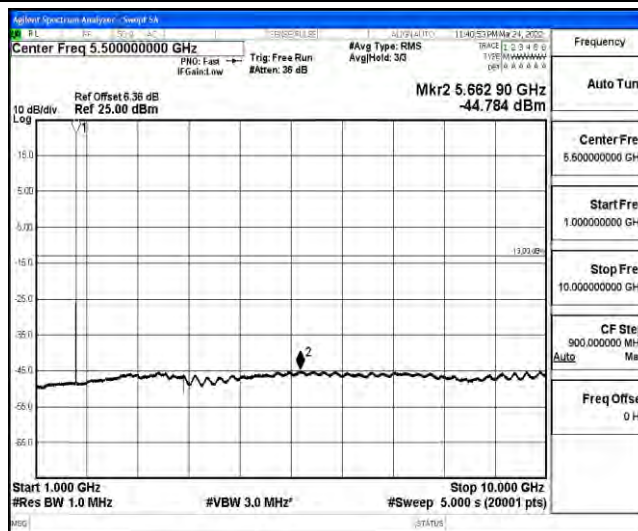
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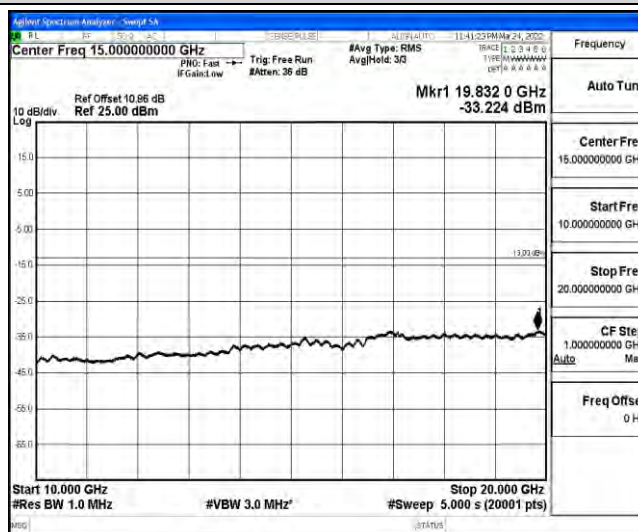
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Band4-3MHz-16QAM-19965-1RB#0-Range4:1000~10000MHz



Band4-3MHz-16QAM-19965-1RB#0-Range5:10000~20000MHz



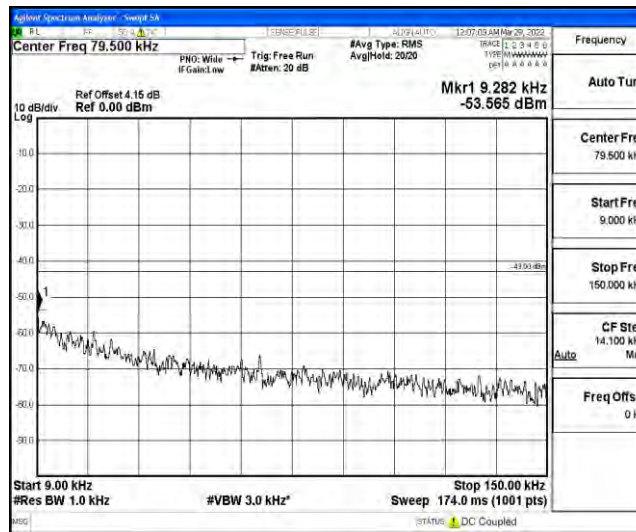
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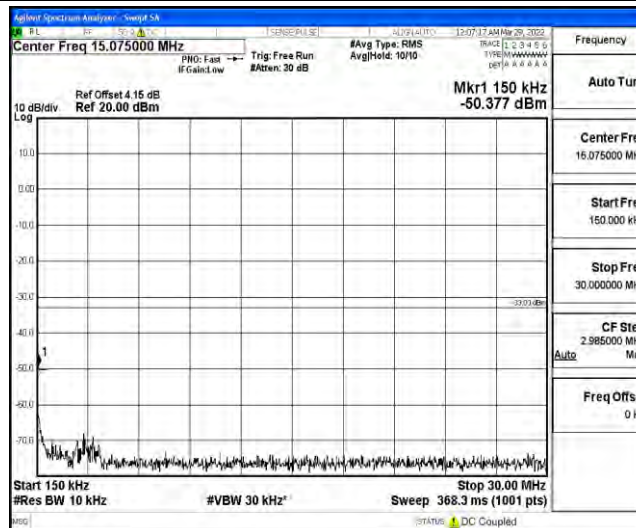


LCS Test 3047AEI

Band4-3MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz



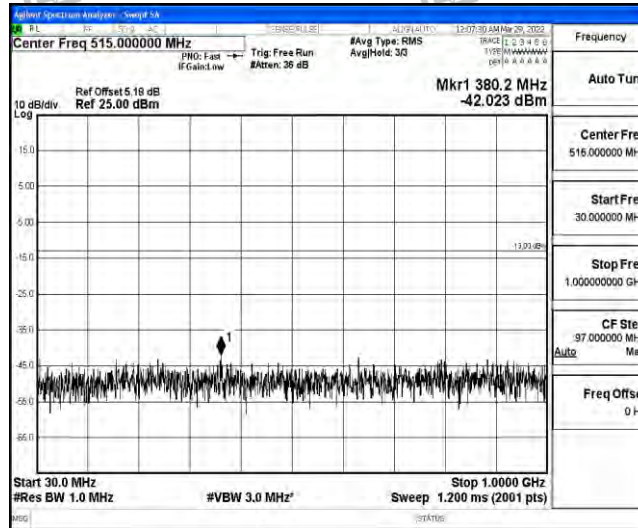
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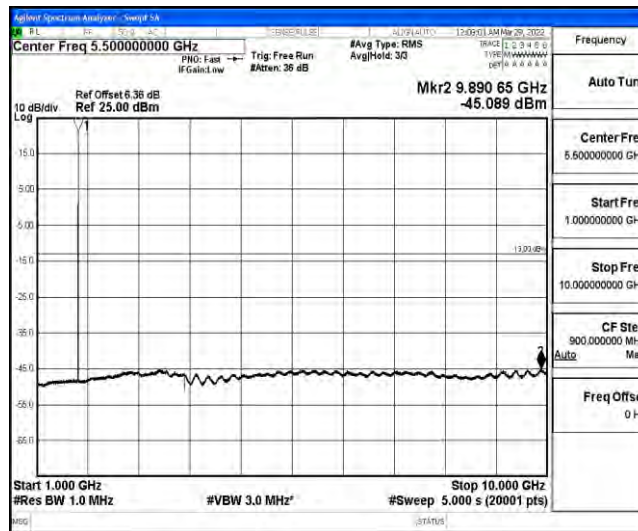
Band4-3MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



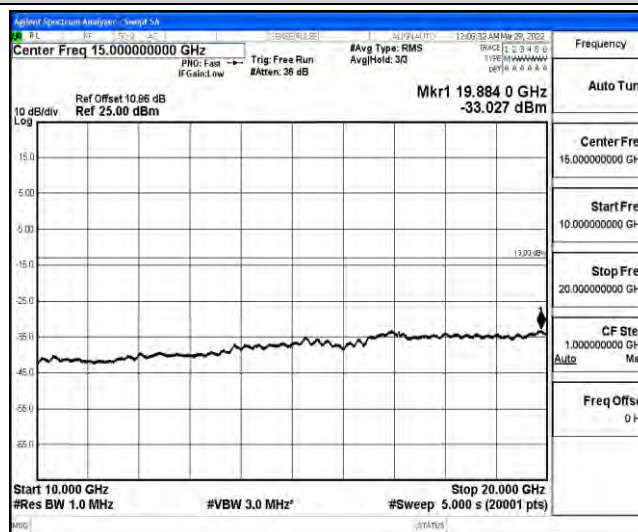
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Band4-3MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



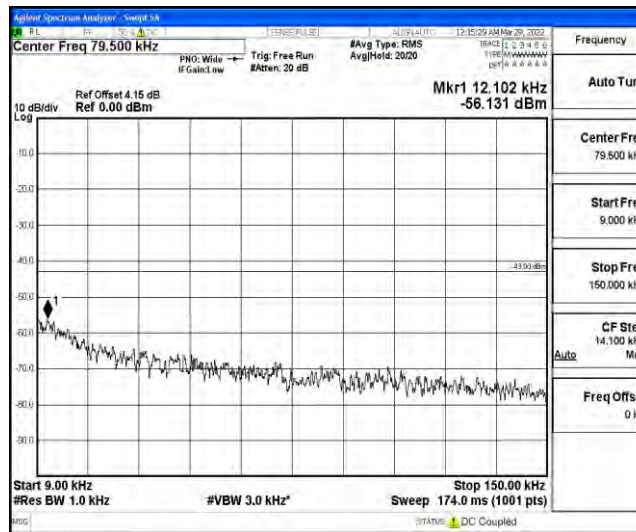
Band4-3MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz



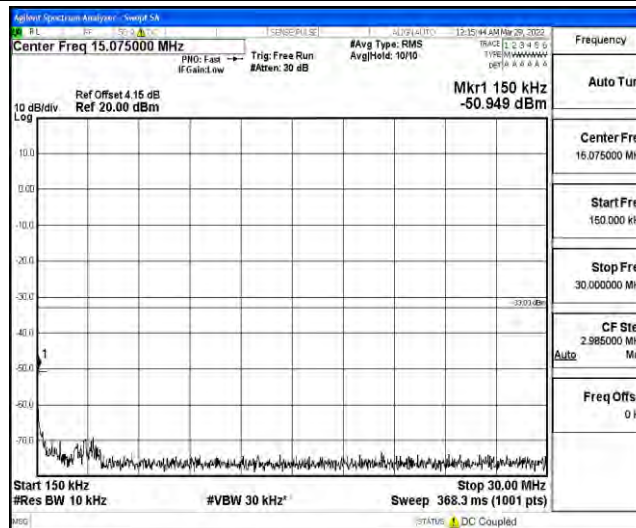


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Band4-3MHz-16QAM-20385-1RB#0-Range1:0.009~0.15MHz



Band4-3MHz-16QAM-20385-1RB#0-Range2:0.15~30MHz



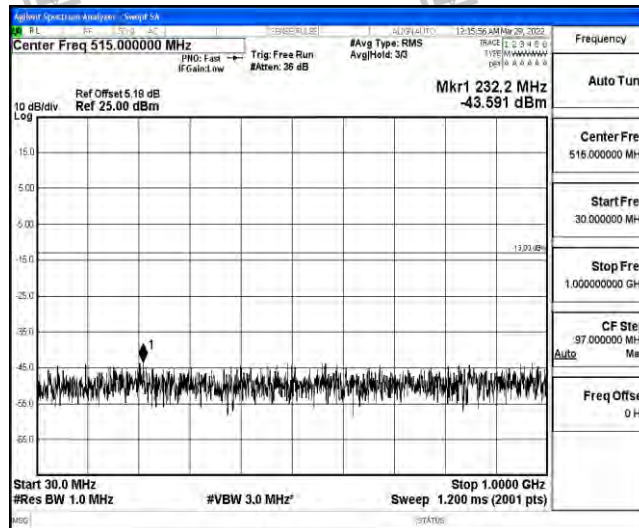
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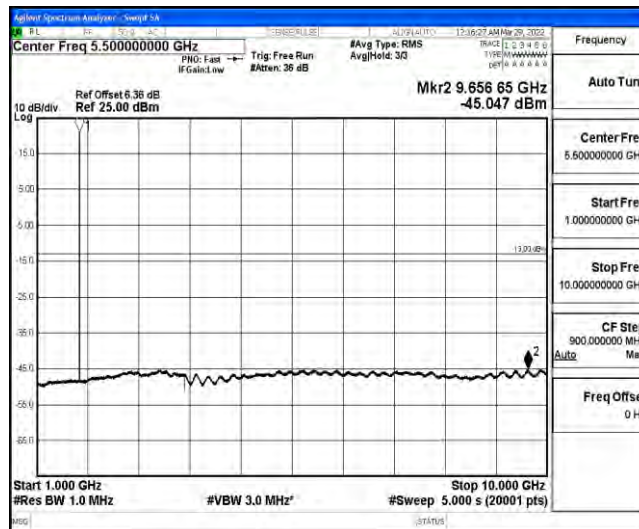
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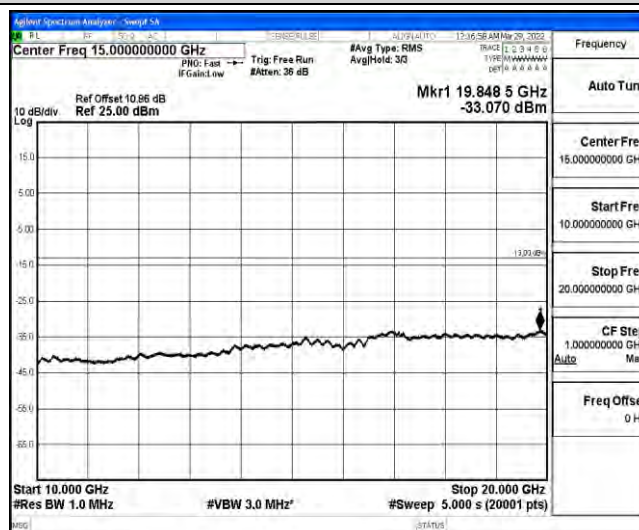
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Band4-3MHz-16QAM-20385-1RB#0-Range4:1000~10000MHz



Band4-3MHz-16QAM-20385-1RB#0-Range5:10000~20000MHz



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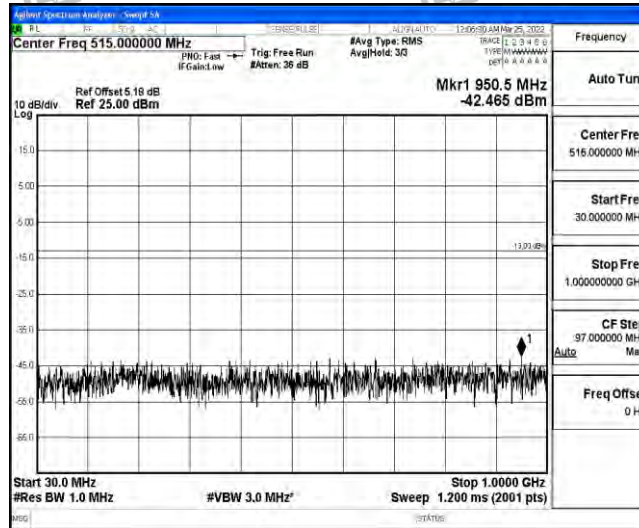
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Auto Tune	
Center Frequency	79.500 kHz
Start Frequency	9.000 kHz
Stop Frequency	150.000 kHz
CF Step	14.100 kHz
Auto	Manual
Freq Offset	0 Hz

Frequency	
Auto Tune	
Center Frequency	16.075000 MHz
Start Frequency	150.000 kHz
Stop Frequency	30.000000 MHz
CF Step	2.985000 MHz
Auto	Manual
Freq Offset	0 Hz

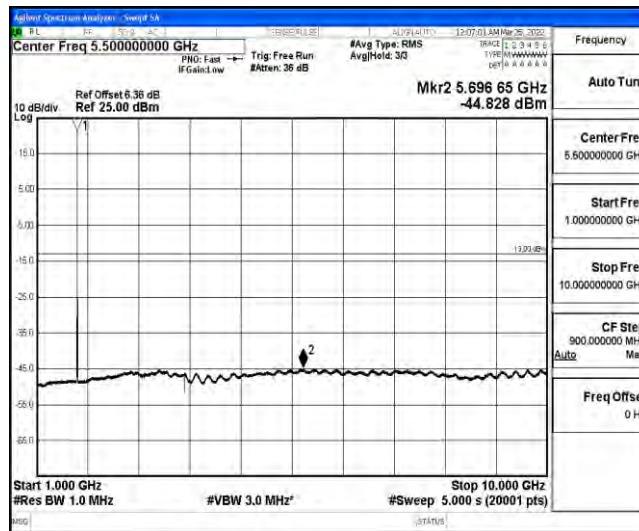
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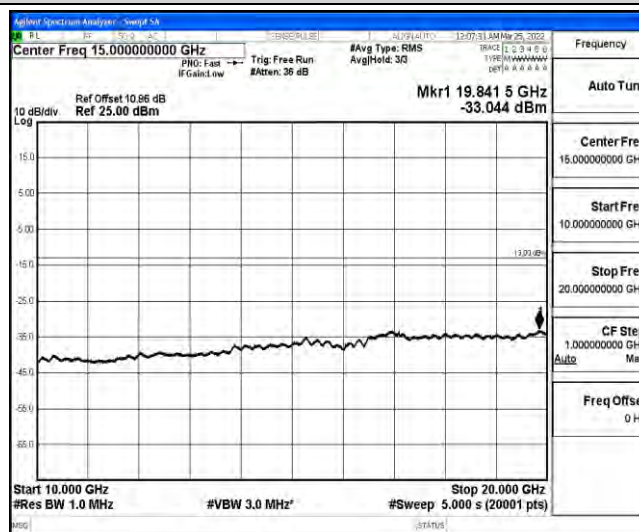
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Band4-5MHz-QPSK-19975-1RB#0-Range4:1000~10000MHz



Band4-5MHz-QPSK-19975-1RB#0-Range5:10000~20000MHz



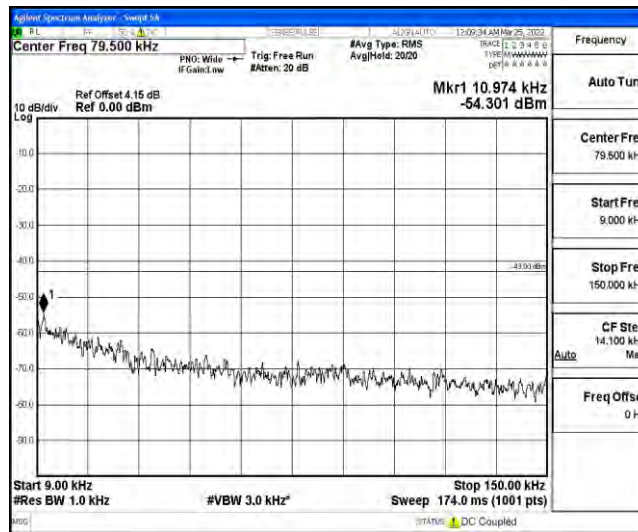
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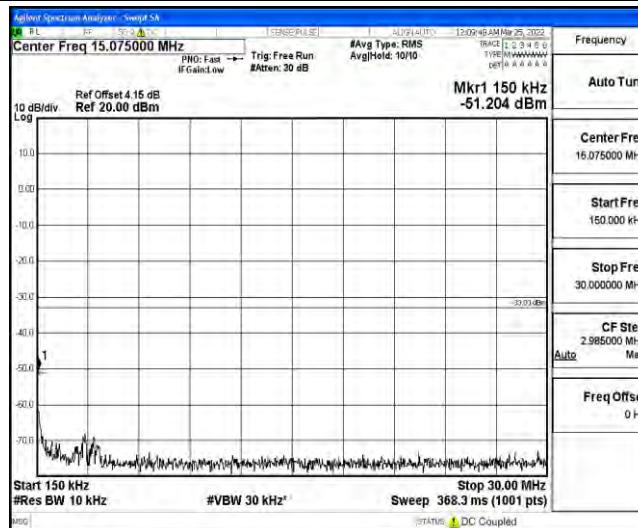


LCS Test 3047AEI

Band4-5MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-5MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz

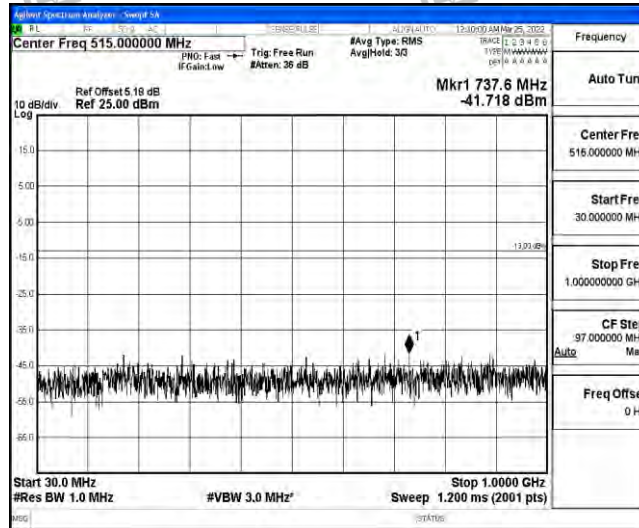


Band4-5MHz-QPSK-20175-1RB#0-Range3:30~1000MHz

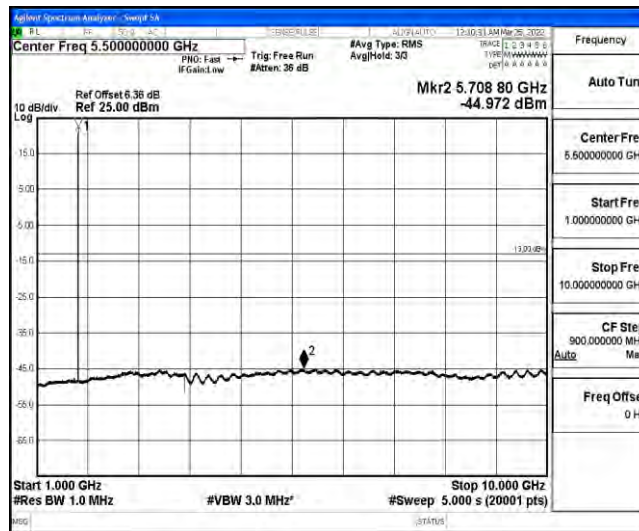




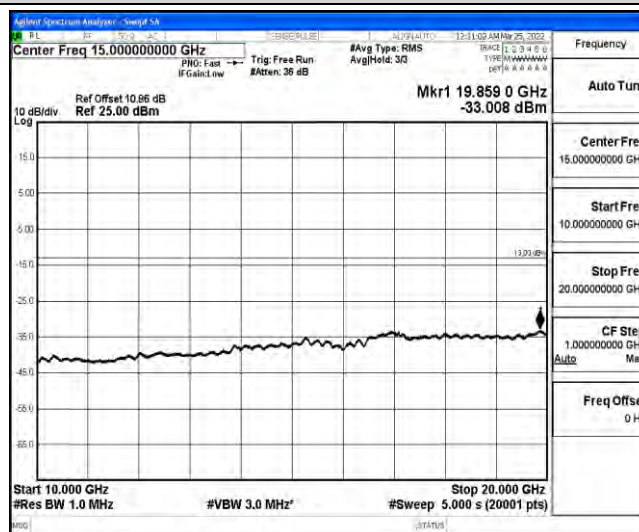
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Band4-5MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz



Band4-5MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz



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