

Appendix

Product Name : Siren Gateway

Model Number : HEUBR

FCC ID : 2AN4V-HEUBR

Applicant:	Siren Care(Shanghai)information and technology company Room 816, Building B, 900 Yishan Rd, Shanghai, China
Manufacturer:	Siren Care(Shanghai)information and technology company Room 816, Building B, 900 Yishan Rd, Shanghai, China
Product Description:	Siren Gateway
Trademark:	Siren
Model Number:	HEUBR

Appendix A: RF POWER OUTPUT

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.34	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.38	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.38	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.31	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.32	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.24	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.28	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.12	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.17	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.15	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.03	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.09	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.03	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.35	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.48	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.42	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.31	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.31	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.23	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.25	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.22	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.19	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.06	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.09	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.09	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.96	PASS

Band4	1.4MHz	16QAM	20175	1RB#5	21.03	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.90	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.90	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.84	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	19.95	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.32	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.38	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.27	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.12	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.15	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.05	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.27	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.38	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.38	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.61	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.37	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.33	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.47	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.42	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.13	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.15	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.15	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.12	PASS
Band4	3MHz	QPSK	20175	8RB#7	20.98	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.97	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.31	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.35	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.40	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.20	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.22	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.34	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.29	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.42	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.39	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.55	PASS

Band4	3MHz	16QAM	19965	8RB#0	20.30	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.31	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.46	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.43	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.19	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.94	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.06	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.07	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.04	PASS
Band4	3MHz	16QAM	20175	8RB#7	19.95	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.90	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.98	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.21	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.33	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.15	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.16	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.27	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.17	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.55	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.71	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.64	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.40	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.48	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.38	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.40	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.21	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.20	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.22	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.02	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.03	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.03	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.05	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.41	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.46	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.51	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.28	PASS

Band4	5MHz	QPSK	20375	12RB#6	21.33	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.40	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.24	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.28	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.54	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.47	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.39	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.38	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.35	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.37	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.21	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.16	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.09	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.01	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.10	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.97	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.33	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.38	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.40	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.30	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.29	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.42	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.24	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.35	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.38	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.47	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.40	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.36	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.42	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.41	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.31	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.14	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.06	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.08	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.07	PASS

Band4	10MHz	QPSK	20175	25RB#25	20.96	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.08	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.19	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.23	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.29	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.09	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.05	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.24	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.18	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.37	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.47	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.42	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.28	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.28	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.38	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.36	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.20	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.90	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.89	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.99	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.96	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.04	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.97	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.02	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.15	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.07	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.07	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.17	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.17	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.39	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.55	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.31	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.30	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.50	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.32	PASS

Band4	15MHz	QPSK	20025	75RB#0	21.34	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.11	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.11	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.99	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.24	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.34	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.11	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.25	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.16	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.28	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.32	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.92	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.03	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.06	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.15	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.41	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.40	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.37	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.28	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.47	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.36	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.31	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.27	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.27	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.99	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.25	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.25	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.10	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.19	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.91	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.02	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.02	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.84	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.03	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.09	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.17	PASS

Band4	20MHz	QPSK	20050	1RB#0	22.36	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.62	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.12	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.24	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.24	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.32	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.41	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.25	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.20	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.91	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.16	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.16	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.05	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.12	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.91	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.09	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.09	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.98	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.09	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.16	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.12	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.20	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.36	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.04	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.28	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.25	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.37	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.28	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.44	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.37	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.08	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.17	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.12	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.10	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.13	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.77	PASS

Band4	20MHz	16QAM	20300	1RB#49	20.86	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.91	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.05	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.15	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.16	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.06	PASS



Appendix B: 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	1.0895	1.227	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0881	1.231	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0900	1.227	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0894	1.225	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0881	1.222	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0876	1.210	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6920	2.885	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6977	2.920	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6995	2.903	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6888	2.912	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6919	2.934	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6955	2.917	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4977	4.880	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4991	4.862	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5023	4.849	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5023	4.834	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4978	4.860	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5065	4.843	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9788	9.555	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9822	9.535	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9769	9.542	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9684	9.568	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9803	9.534	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9768	9.549	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.489	14.38	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.475	14.33	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.490	14.30	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.475	14.29	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.475	14.30	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.476	14.30	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.954	19.04	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.947	19.05	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.982	19.02	PASS

Band4	20MHz	16QAM	20050	100RB#0	17.972	19.02	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.963	19.06	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.978	19.05	PASS

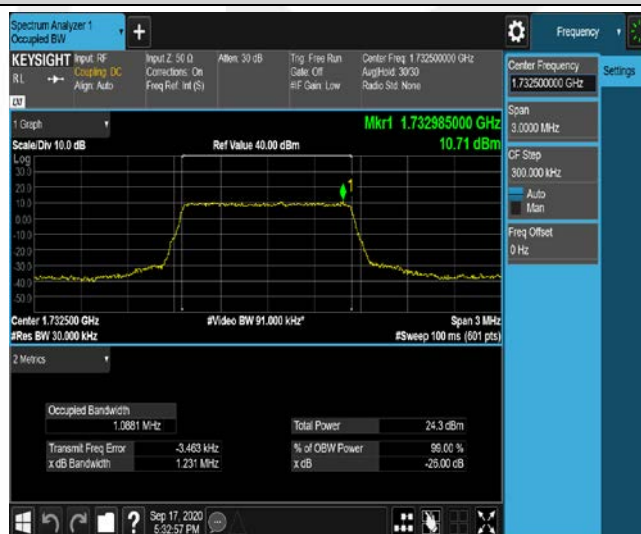


Test Graphs

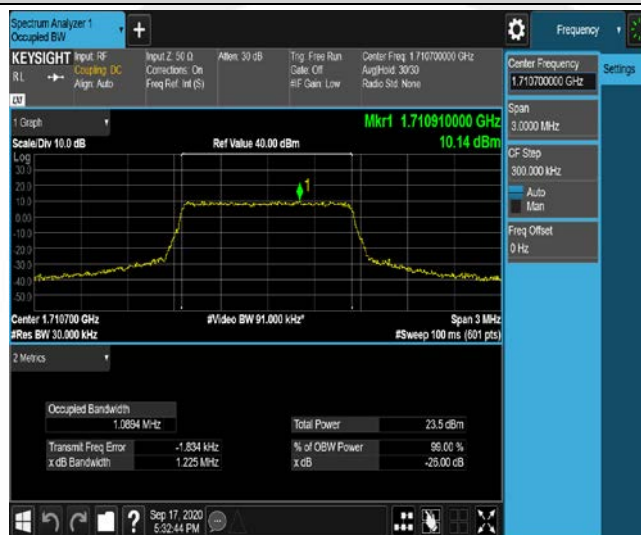
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Band4-1.4MHz-QPSK-20175-6RB#0-1.0881

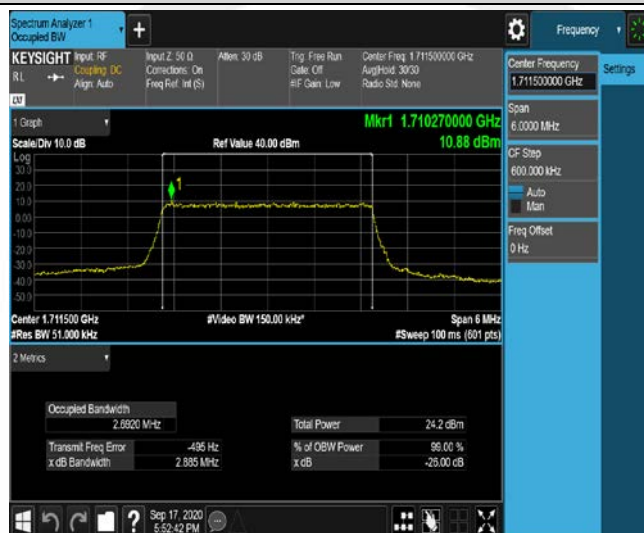


Band4-1.4MHz-QPSK-20393-6RB#0-1.0900

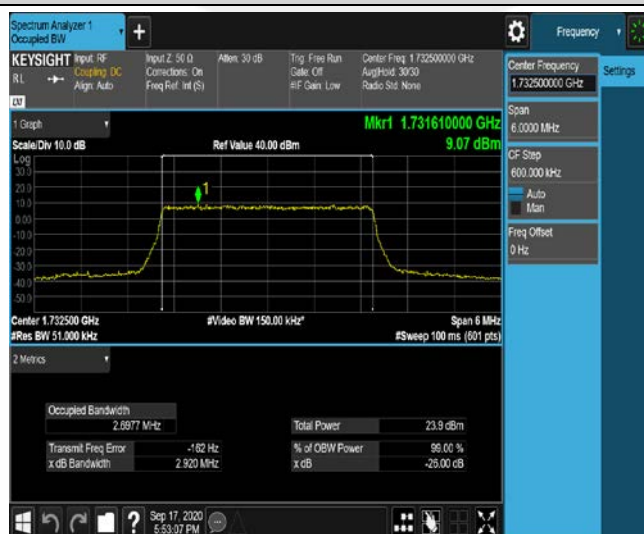




Band4-3MHz-QPSK-19965-15RB#0-2.6920



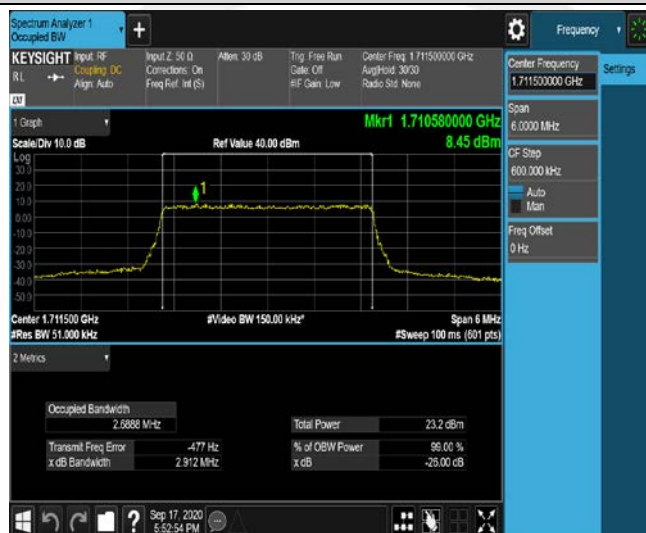
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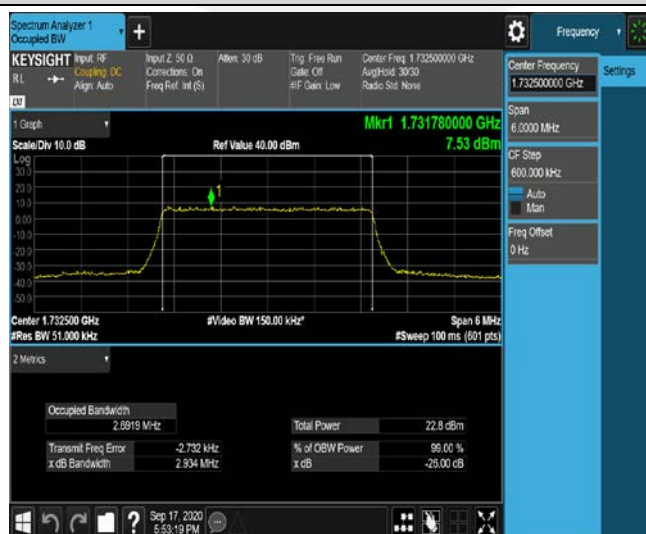
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Band4-3MHz-16QAM-19965-15RB#0-2.6888



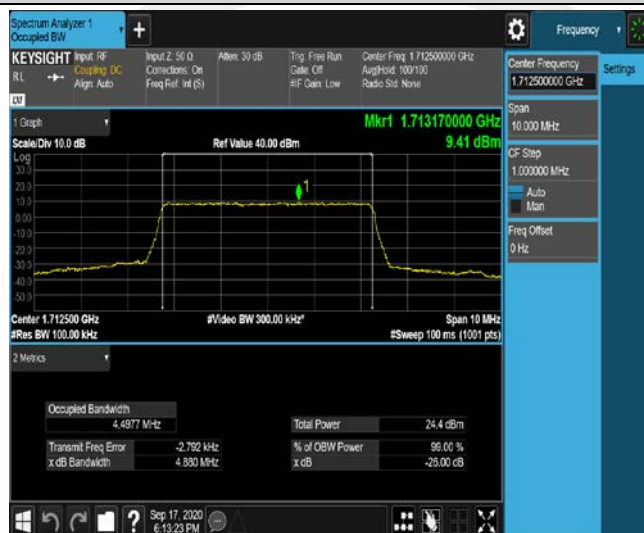
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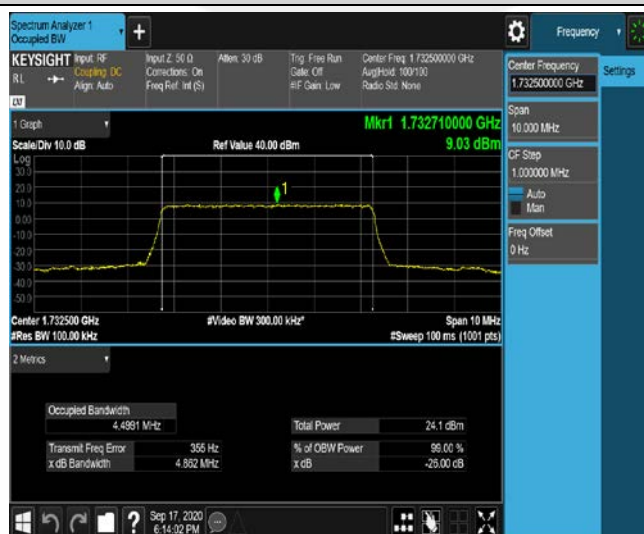
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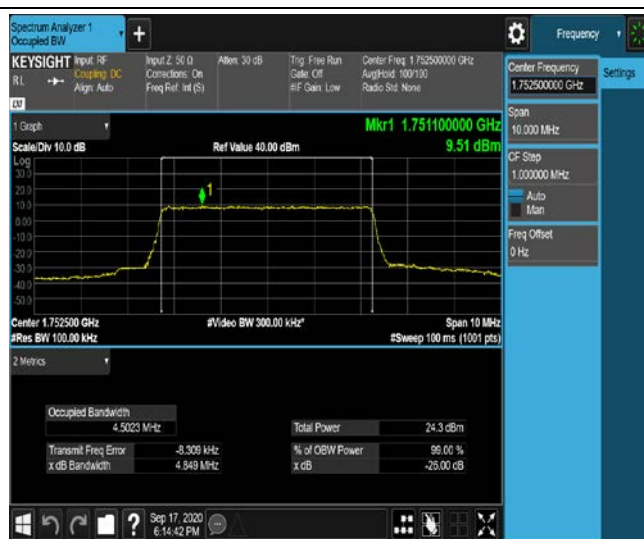
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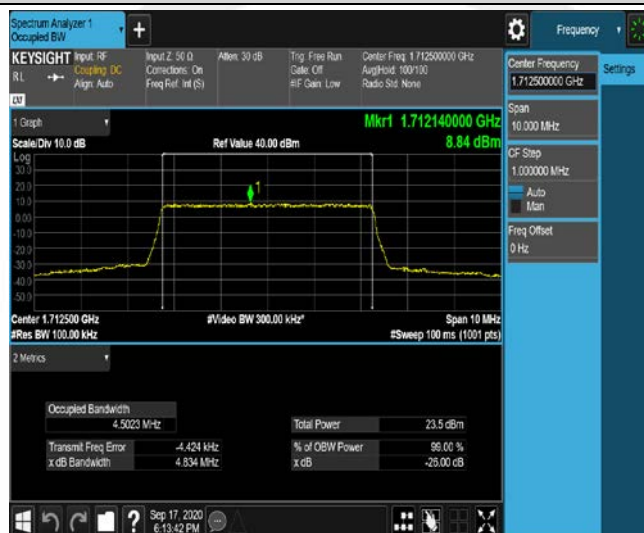
Band4-5MHz-QPSK-20175-25RB#0-4.4991



Band4-5MHz-QPSK-20375-25RB#0-4.5023



Band4-5MHz-16QAM-19975-25RB#0-4.5023



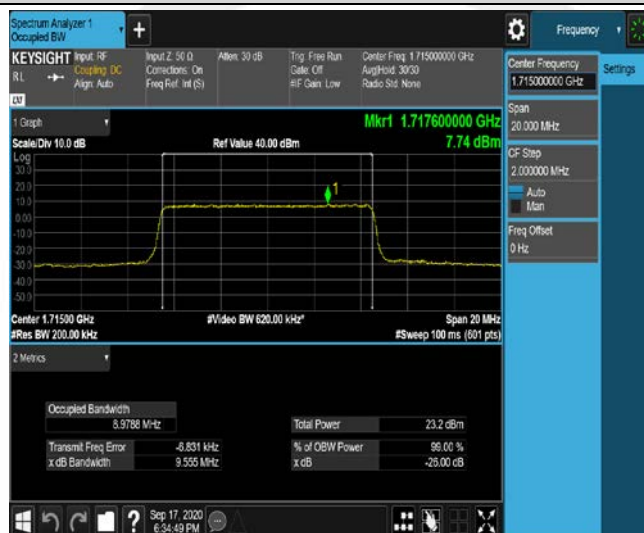
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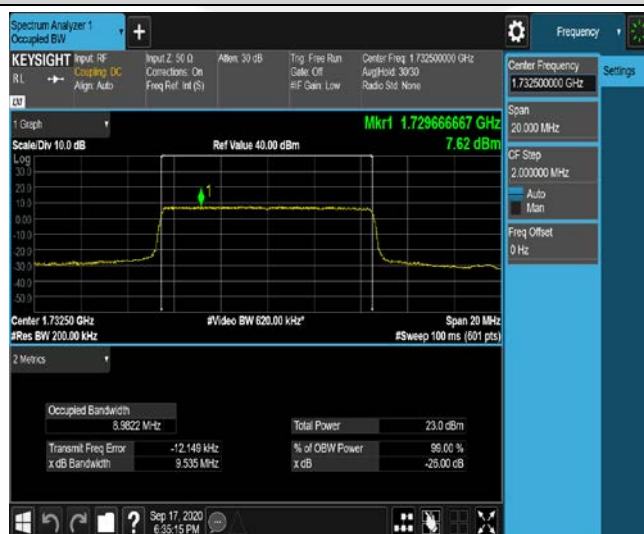
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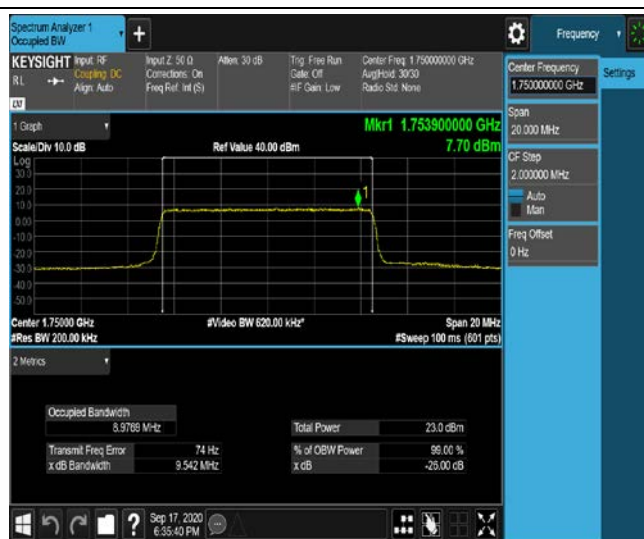
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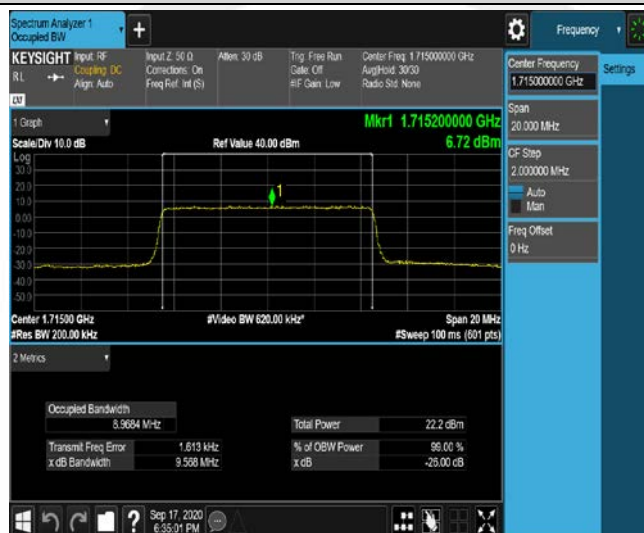
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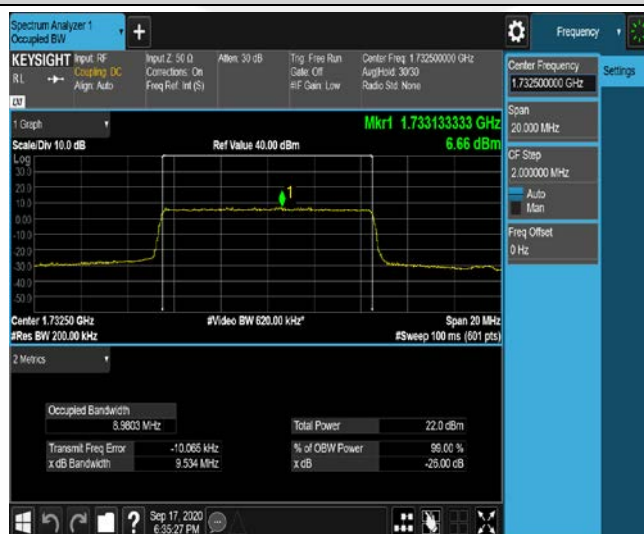
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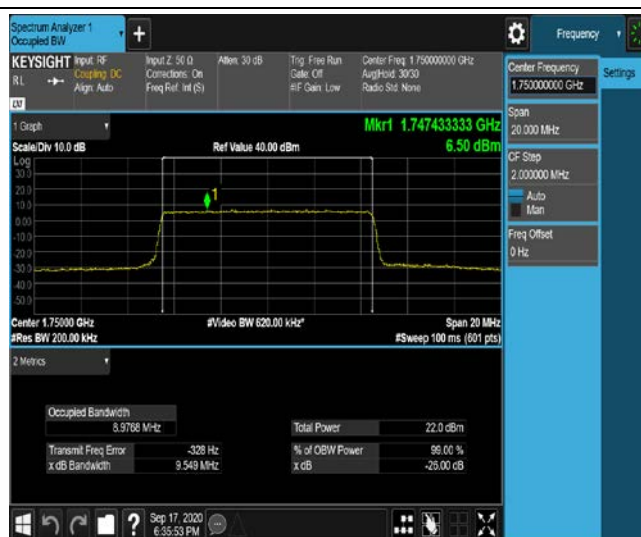
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Band4-10MHz-16QAM-20175-50RB#0-8.9803



Band4-10MHz-16QAM-20350-50RB#0-8.9768



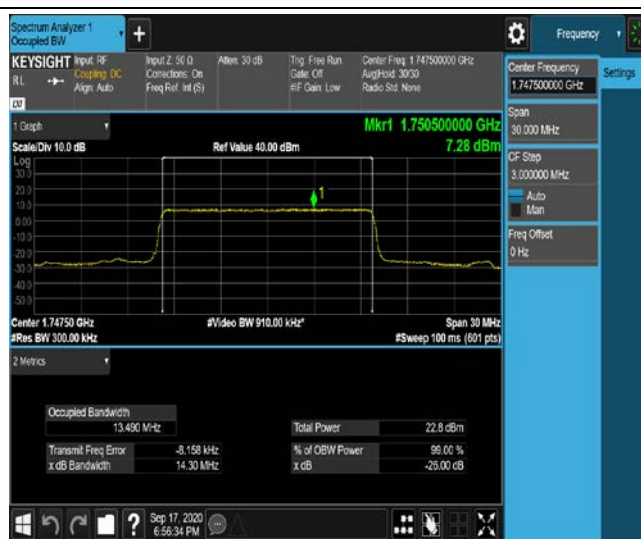
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Band4-15MHz-QPSK-20175-75RB#0-13.475



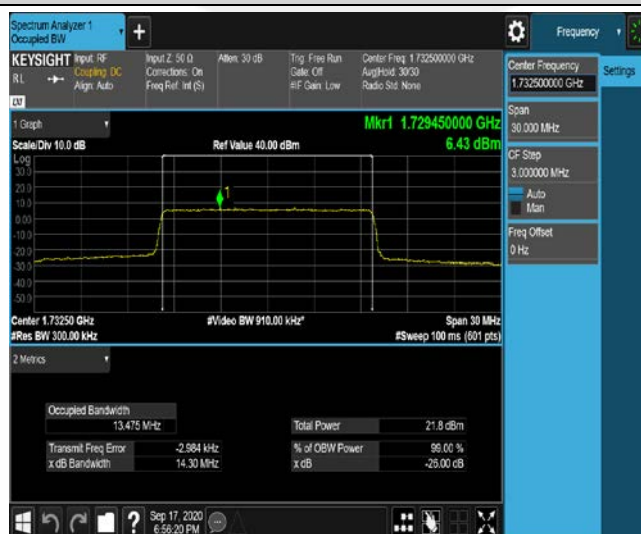
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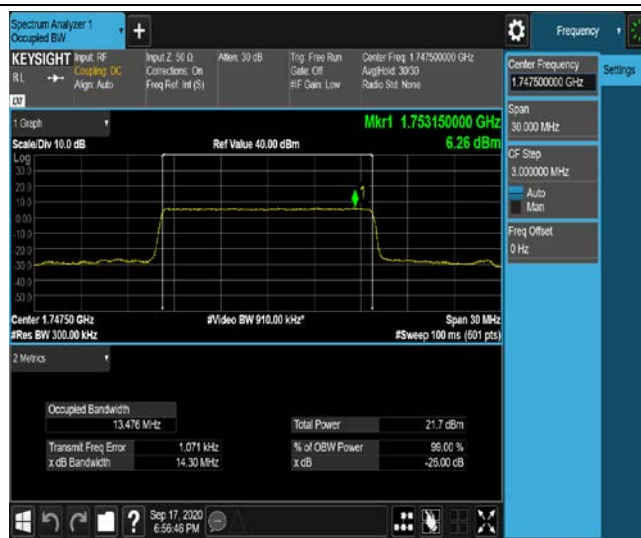
Band4-15MHz-16QAM-20025-75RB#0-13.475



Band4-15MHz-16QAM-20175-75RB#0-13.475



Band4-15MHz-16QAM-20325-75RB#0-13.476



Band4-20MHz-QPSK-20050-100RB#0-17.954



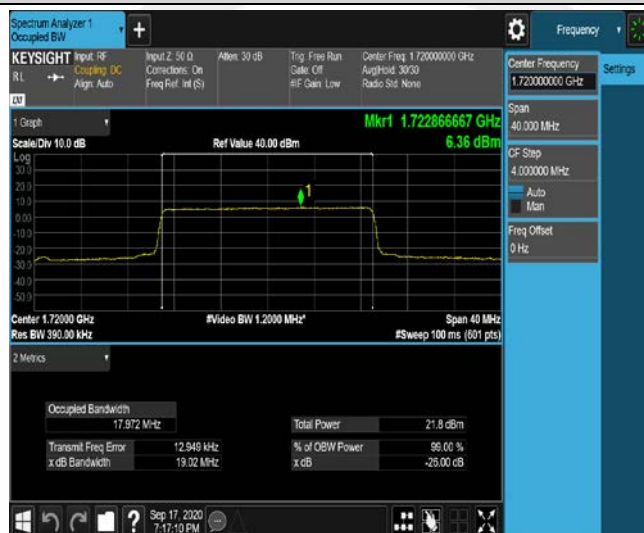
Band4-20MHz-QPSK-20175-100RB#0-17.947



Band4-20MHz-QPSK-20300-100RB#0-17.982



Band4-20MHz-16QAM-20050-100RB#0-17.972



Band4-20MHz-16QAM-20175-100RB#0-17.963



Band4-20MHz-16QAM-20300-100RB#0-17.978



Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-26.20	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-44.02	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-25.54	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-43.47	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.81	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.45	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-26.72	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-44.42	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.43	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-43.09	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-22.68	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.60	PASS
Band4	3MHz	QPSK	19965	1RB#0	-14.44	PASS
Band4	3MHz	QPSK	19965	1RB#14	-44.34	PASS
Band4	3MHz	QPSK	19965	15RB#0	-19.69	PASS
Band4	3MHz	QPSK	20385	1RB#0	-41.51	PASS
Band4	3MHz	QPSK	20385	1RB#14	-15.44	PASS
Band4	3MHz	QPSK	20385	15RB#0	-21.52	PASS
Band4	3MHz	16QAM	19965	1RB#0	-14.15	PASS
Band4	3MHz	16QAM	19965	1RB#14	-41.23	PASS
Band4	3MHz	16QAM	19965	15RB#0	-22.15	PASS
Band4	3MHz	16QAM	20385	1RB#0	-44.21	PASS
Band4	3MHz	16QAM	20385	1RB#14	-15.40	PASS
Band4	3MHz	16QAM	20385	15RB#0	-21.85	PASS
Band4	5MHz	QPSK	19975	1RB#0	-16.42	PASS
Band4	5MHz	QPSK	19975	1RB#24	-48.34	PASS
Band4	5MHz	QPSK	19975	25RB#0	-22.82	PASS
Band4	5MHz	QPSK	20375	1RB#0	-48.40	PASS
Band4	5MHz	QPSK	20375	1RB#24	-16.15	PASS
Band4	5MHz	QPSK	20375	25RB#0	-23.18	PASS
Band4	5MHz	16QAM	19975	1RB#0	-16.02	PASS
Band4	5MHz	16QAM	19975	1RB#24	-49.21	PASS
Band4	5MHz	16QAM	19975	25RB#0	-24.46	PASS
Band4	5MHz	16QAM	20375	1RB#0	-49.31	PASS
Band4	5MHz	16QAM	20375	1RB#24	-16.91	PASS

Band4	5MHz	16QAM	20375	25RB#0	-23.93	PASS
Band4	10MHz	QPSK	20000	1RB#0	-23.04	PASS
Band4	10MHz	QPSK	20000	1RB#49	-44.57	PASS
Band4	10MHz	QPSK	20000	50RB#0	-25.68	PASS
Band4	10MHz	QPSK	20350	1RB#0	-46.83	PASS
Band4	10MHz	QPSK	20350	1RB#49	-22.98	PASS
Band4	10MHz	QPSK	20350	50RB#0	-25.30	PASS
Band4	10MHz	16QAM	20000	1RB#0	-22.01	PASS
Band4	10MHz	16QAM	20000	1RB#49	-43.67	PASS
Band4	10MHz	16QAM	20000	50RB#0	-28.15	PASS
Band4	10MHz	16QAM	20350	1RB#0	-44.98	PASS
Band4	10MHz	16QAM	20350	1RB#49	-23.12	PASS
Band4	10MHz	16QAM	20350	50RB#0	-26.56	PASS
Band4	15MHz	QPSK	20025	1RB#0	-21.36	PASS
Band4	15MHz	QPSK	20025	1RB#74	-44.27	PASS
Band4	15MHz	QPSK	20025	75RB#0	-24.35	PASS
Band4	15MHz	QPSK	20325	1RB#0	-42.45	PASS
Band4	15MHz	QPSK	20325	1RB#74	-22.12	PASS
Band4	15MHz	QPSK	20325	75RB#0	-24.91	PASS
Band4	15MHz	16QAM	20025	1RB#0	-21.96	PASS
Band4	15MHz	16QAM	20025	1RB#74	-44.72	PASS
Band4	15MHz	16QAM	20025	75RB#0	-26.44	PASS
Band4	15MHz	16QAM	20325	1RB#0	-43.67	PASS
Band4	15MHz	16QAM	20325	1RB#74	-23.38	PASS
Band4	15MHz	16QAM	20325	75RB#0	-26.24	PASS
Band4	20MHz	QPSK	20050	1RB#0	-22.39	PASS
Band4	20MHz	QPSK	20050	1RB#99	-46.50	PASS
Band4	20MHz	QPSK	20050	100RB#0	-21.76	PASS
Band4	20MHz	QPSK	20300	1RB#0	-47.09	PASS
Band4	20MHz	QPSK	20300	1RB#99	-23.31	PASS
Band4	20MHz	QPSK	20300	100RB#0	-21.04	PASS
Band4	20MHz	16QAM	20050	1RB#0	-22.58	PASS
Band4	20MHz	16QAM	20050	1RB#99	-46.75	PASS
Band4	20MHz	16QAM	20050	100RB#0	-23.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	-47.11	PASS
Band4	20MHz	16QAM	20300	1RB#99	-22.23	PASS
Band4	20MHz	16QAM	20300	100RB#0	-22.35	PASS

Test Graphs

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



Band4-1.4MHz-QPSK-19957-1RB#5



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



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



Band4-1.4MHz-QPSK-20393-1RB#5



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



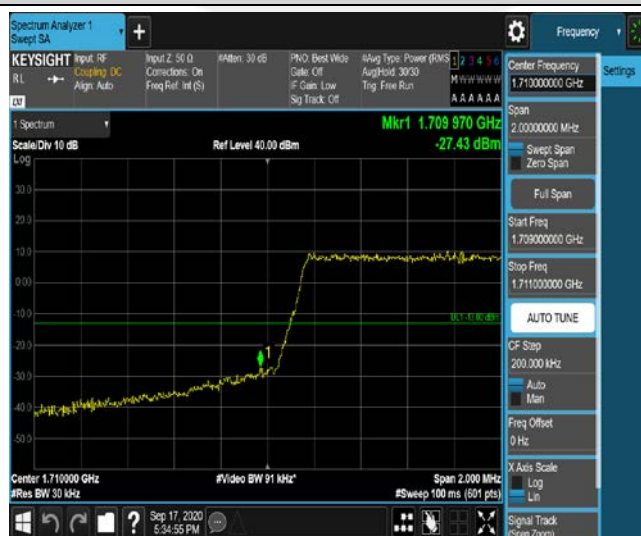
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Band4-1.4MHz-16QAM-19957-6RB#0



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



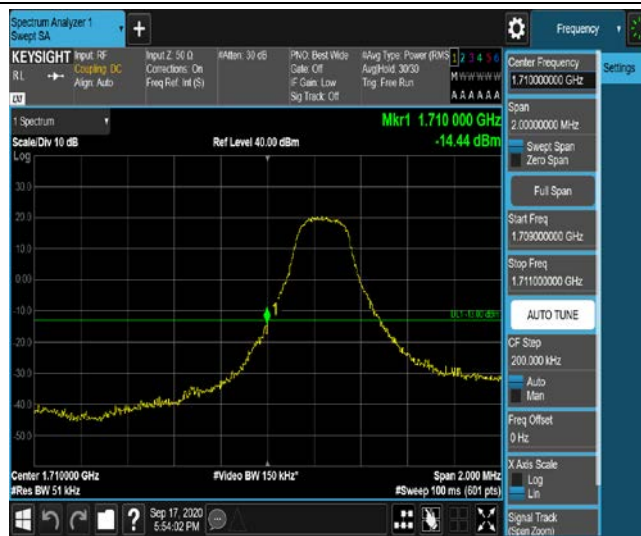
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Band4-1.4MHz-16QAM-20393-6RB#0



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



Band4-3MHz-QPSK-19965-1RB#14



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



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



Band4-3MHz-QPSK-20385-1RB#14



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



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



Band4-3MHz-16QAM-19965-1RB#14



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



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



Band4-3MHz-16QAM-20385-1RB#14



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



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



Band4-5MHz-QPSK-19975-1RB#24



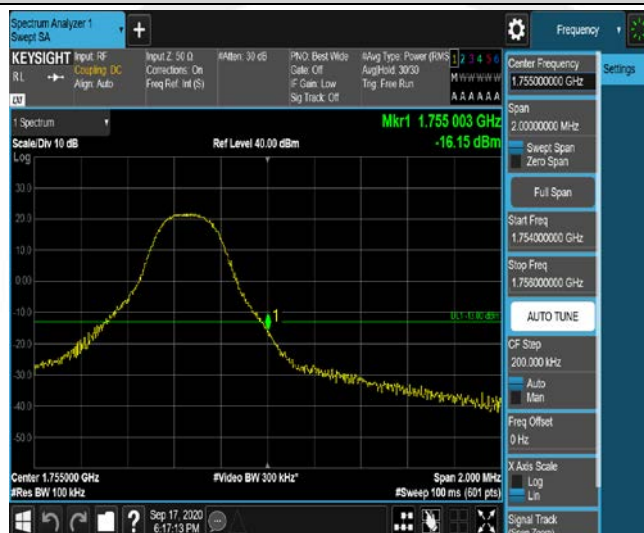
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Band4-5MHz-QPSK-20375-25RB#0



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



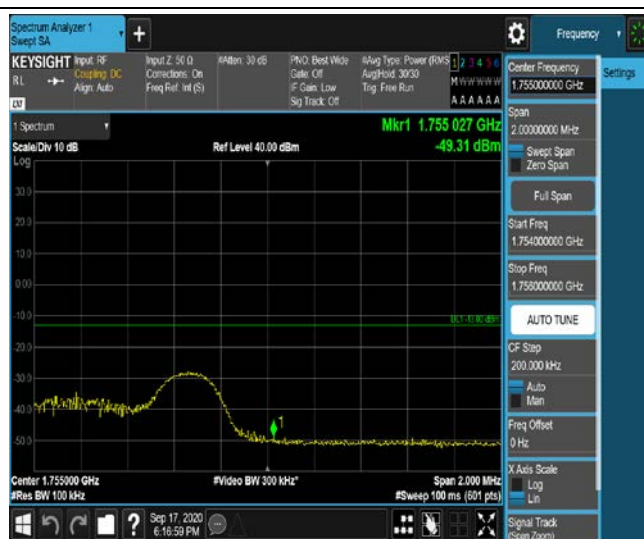
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Band4-5MHz-16QAM-19975-25RB#0



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



Band4-5MHz-16QAM-20375-1RB#24



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



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



Band4-10MHz-QPSK-20000-1RB#49



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



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



Band4-10MHz-QPSK-20350-1RB#49



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



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



Band4-10MHz-16QAM-20000-1RB#49



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



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



Band4-10MHz-16QAM-20350-1RB#49



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



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