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Appendix B.2

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant3:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.47	23.18	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.62	23.33	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.37	23.08	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.53	22.24	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.30	23.01	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.35	23.06	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.30	23.01	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.33	22.04	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.19	22.9	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.23	22.94	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.22	22.93	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.26	21.97	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.63	22.34	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.56	22.27	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.51	22.22	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.55	21.26	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.57	22.28	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.55	22.26	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.59	22.3	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.42	21.13	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.40	22.11	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.62	22.33	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.41	22.12	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.30	21.01	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.60	21.31	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.58	21.29	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.66	21.37	30	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.47	20.18	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.52	21.23	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.49	21.2	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.51	21.22	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.39	20.1	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.44	21.15	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.33	21.04	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.38	21.09	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.26	19.97	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	18.51	18.22	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	18.55	18.26	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	18.54	18.25	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	18.48	18.19	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	18.42	18.13	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	18.43	18.14	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	18.37	18.08	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	18.39	18.1	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	18.19	17.9	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	18.35	18.06	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	18.28	17.99	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	18.24	17.95	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.37	23.08	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.59	23.3	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.45	23.16	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.52	22.23	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.32	23.03	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.41	23.12	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.31	23.02	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.35	22.06	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.24	22.95	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.33	23.04	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.27	22.98	30	PASS



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Band4	3MHz	QPSK	20385	15RB#0	22.22	21.93	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.59	22.3	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.54	22.25	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.71	22.42	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.52	21.23	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.42	22.13	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.43	22.14	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.36	22.07	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.45	21.16	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.24	21.95	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.41	22.12	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.32	22.03	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.25	20.96	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.62	21.33	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.66	21.37	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.52	21.23	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.42	20.13	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.42	21.13	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.65	21.36	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.33	21.04	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.38	20.09	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.35	21.06	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.37	21.08	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.36	21.07	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.25	19.96	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	18.63	18.34	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	18.63	18.34	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	18.52	18.23	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	18.48	18.19	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	18.26	17.97	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	18.84	18.55	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	18.43	18.14	30	PASS



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Band4	3MHz	256QAM	20175	15RB#0	18.35	18.06	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	18.31	18.02	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	18.53	18.24	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	18.40	18.11	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	18.30	18.01	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.42	23.13	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.48	23.19	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.55	23.26	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.54	22.25	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.26	22.97	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.34	23.05	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.28	22.99	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.35	22.06	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.12	22.83	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.19	22.9	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.25	22.96	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.22	21.93	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.64	22.35	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.53	22.24	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.60	22.31	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.57	21.28	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.55	22.26	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.50	22.21	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.40	22.11	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.37	21.08	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.14	21.85	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.50	22.21	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.18	21.89	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.25	20.96	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.57	21.28	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.80	21.51	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.46	21.17	30	PASS



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Band4	5MHz	64QAM	19975	25RB#0	20.54	20.25	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.39	21.1	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.61	21.32	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.37	21.08	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.30	20.01	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.20	20.91	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.26	20.97	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.43	21.14	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.27	19.98	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	18.55	18.26	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	18.57	18.28	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	18.40	18.11	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	18.52	18.23	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	18.39	18.1	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	18.53	18.24	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	18.22	17.93	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	18.36	18.07	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	18.29	18	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	18.21	17.92	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	18.30	18.01	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	18.17	17.88	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.31	23.02	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.44	23.15	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.44	23.15	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.40	22.11	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.32	23.03	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.37	23.08	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.21	22.92	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.26	21.97	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.99	22.7	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.21	22.92	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.17	22.88	30	PASS



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Band4	10MHz	QPSK	20350	50RB#0	22.13	21.84	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.55	22.26	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.72	22.43	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.61	22.32	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.50	21.21	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.51	22.22	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.52	22.23	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.27	21.98	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.27	20.98	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.03	21.74	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.28	21.99	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.36	22.07	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.14	20.85	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.50	21.21	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.64	21.35	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.56	21.27	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.42	20.13	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.48	21.19	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.48	21.19	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.48	21.19	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.21	19.92	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.24	20.95	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.23	20.94	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.25	20.96	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.14	19.85	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	18.40	18.11	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	18.55	18.26	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	18.52	18.23	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	18.49	18.2	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	18.29	18	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	18.33	18.04	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	18.33	18.04	30	PASS



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Band4	10MHz	256QAM	20175	50RB#0	18.37	18.08	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	18.10	17.81	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	18.26	17.97	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	18.31	18.02	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	18.15	17.86	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.13	22.84	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.11	22.82	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.39	23.1	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.30	22.01	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.17	22.88	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.27	22.98	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.14	22.85	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.24	21.95	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.94	22.65	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.95	22.66	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.07	22.78	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.06	21.77	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.35	22.06	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.29	22	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.44	22.15	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.30	21.01	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.32	22.03	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.11	21.82	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.23	21.94	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.17	20.88	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.03	21.74	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.10	21.81	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.16	21.87	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.07	20.78	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.36	21.07	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.31	21.02	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.65	21.36	30	PASS



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Band4	15MHz	64QAM	20025	75RB#0	20.30	20.01	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.26	20.97	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.24	20.95	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.34	21.05	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.15	19.86	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.06	20.77	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.09	20.8	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.26	20.97	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.00	19.71	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	18.36	18.07	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	18.26	17.97	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	18.55	18.26	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	18.29	18	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	18.33	18.04	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	18.21	17.92	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	18.24	17.95	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	18.13	17.84	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	17.98	17.69	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	17.87	17.58	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	18.38	18.09	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	18.07	17.78	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.26	22.97	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.13	22.84	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.66	23.37	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.33	22.04	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.25	22.96	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.16	22.87	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.13	22.84	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.18	21.89	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.93	22.64	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.83	22.54	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.11	22.82	30	PASS



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Band4	20MHz	QPSK	20300	100RB#0	22.02	21.73	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.40	22.11	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.44	22.15	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.37	22.08	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.44	21.15	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.42	22.13	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.16	21.87	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.27	21.98	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.09	20.8	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.14	21.85	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.07	21.78	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.29	22	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.03	20.74	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.44	21.15	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.43	21.14	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.51	21.22	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.35	20.06	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.41	21.12	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.40	21.11	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.34	21.05	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.20	19.91	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.16	20.87	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.25	20.96	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.12	20.83	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.04	19.75	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	18.43	18.14	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	18.33	18.04	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	18.37	18.08	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	18.32	18.03	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	18.31	18.02	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	18.46	18.17	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	18.35	18.06	30	PASS



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Band4	20MHz	256QAM	20175	100RB#0	18.11	17.82	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	18.23	17.94	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	17.85	17.56	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	18.17	17.88	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	18.02	17.73	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.58	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.50	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.38	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.38	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.38	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.30	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.82	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.76	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.66	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	6.96	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.94	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	6.90	13	PASS



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Test Graphs

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



17:38:27 11.06.2023

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



17:39:56 11.06.2023



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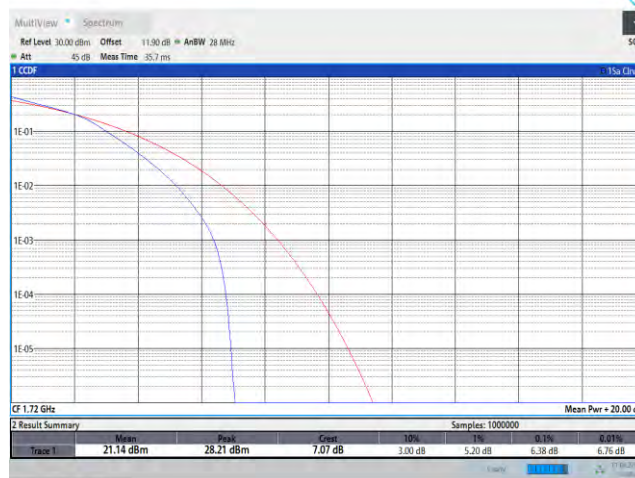
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Band4-20MHz-QPSK-20300-100RB#0



17:41:26 11.06.2023

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



17:38:43 11.06.2023



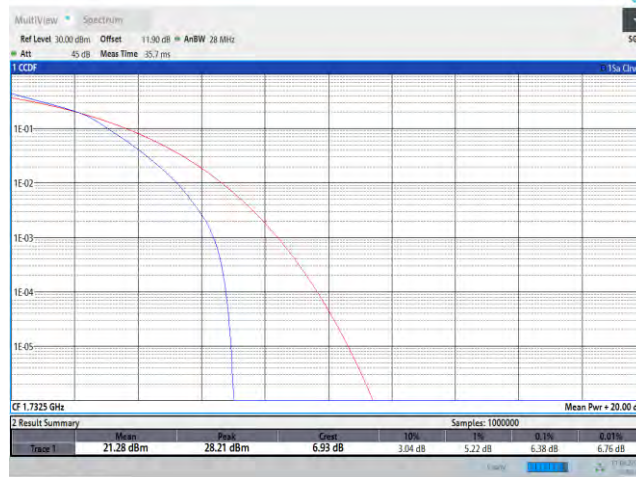
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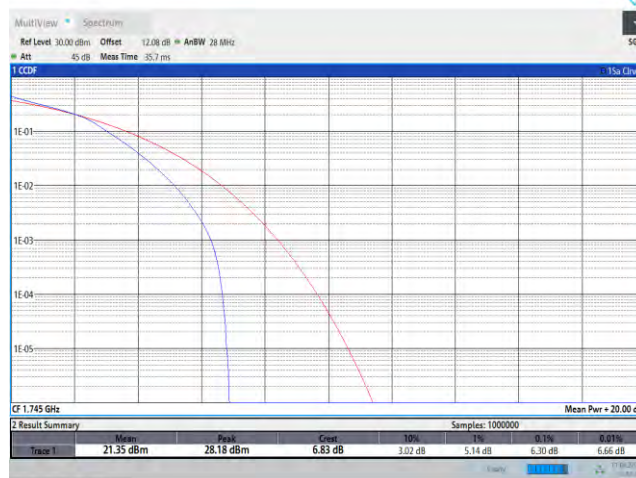
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Band4-20MHz-16QAM-20175-100RB#0



17:40:12 11.06.2023

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



17:41:43 11.06.2023



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Band4-20MHz-64QAM-20050-100RB#0



17:39:00 11.06.2023

Band4-20MHz-64QAM-20175-100RB#0



17:40:29 11.06.2023

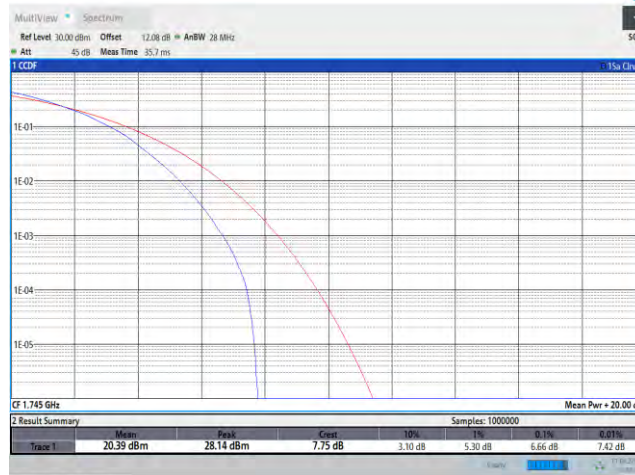


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Band4-20MHz-64QAM-20300-100RB#0



17:41:59 11.06.2023

Band4-20MHz-256QAM-20050-100RB#0



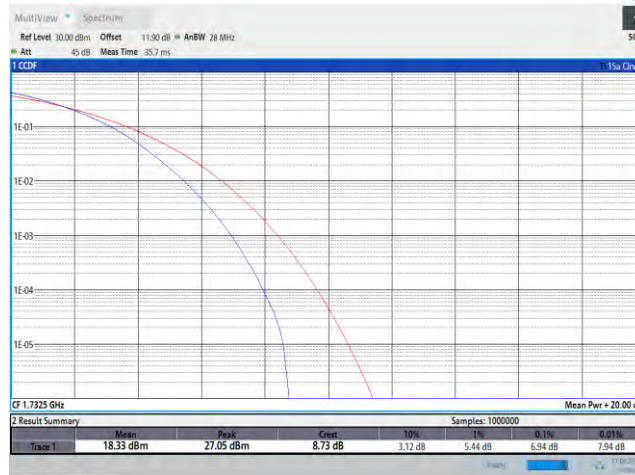
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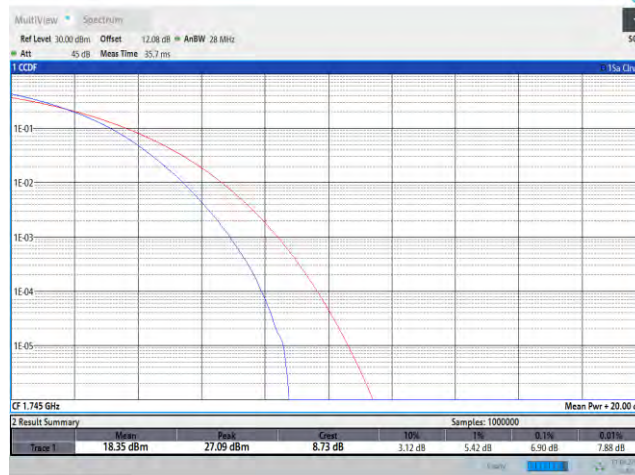
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Band4-20MHz-256QAM-20175-100RB#0



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Band4-20MHz-256QAM-20300-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	64QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	256QAM	20175	100RB#0	PASS	PASS



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Test Graphs

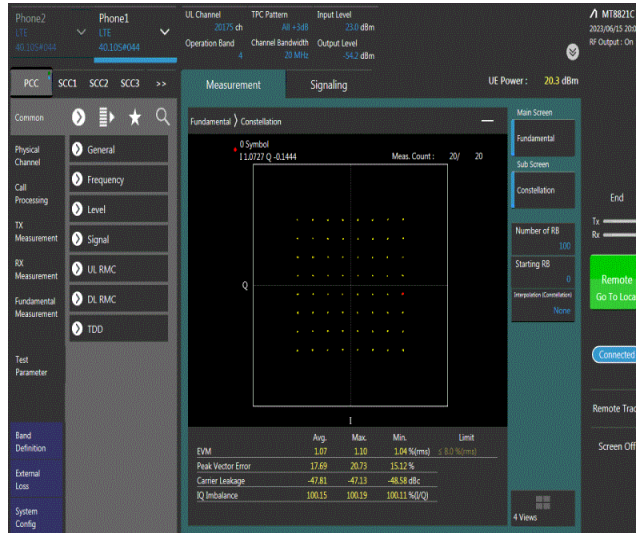


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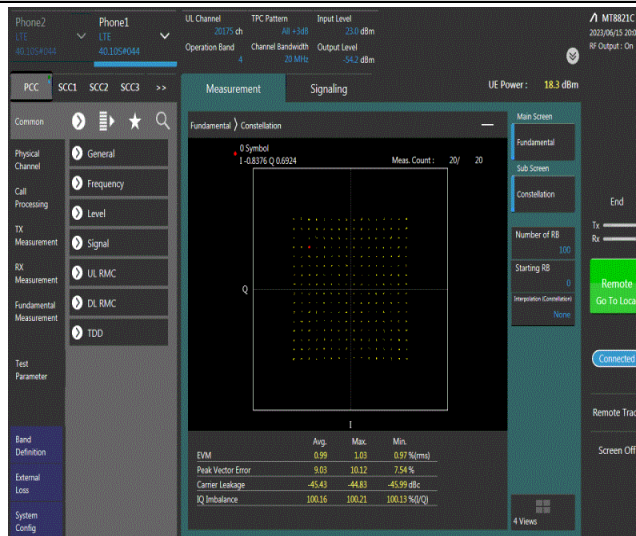
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Band4-20MHz-64QAM-20175-100RB#0



Band4-20MHz-256QAM-20175-100RB#0



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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	1.105	1.39	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.104	1.39	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.103	1.38	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.106	1.39	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.104	1.37	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.105	1.37	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.104	1.37	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.108	1.38	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.109	1.39	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.109	1.39	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.11	1.39	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.104	1.38	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	3.04	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.699	3.02	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.701	3.03	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.695	3.04	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.695	3.05	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.697	3.03	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.698	3.05	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.697	3.03	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.698	3.03	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.694	3.05	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.702	3.05	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.697	3.02	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.477	5.02	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.474	5.07	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.482	5.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.478	5.03	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	5.05	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.48	5.03	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.48	5.02	PASS



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Band4	5MHz	64QAM	20175	25RB#0	4.481	5.05	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.474	5.06	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.472	5.05	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.479	5.08	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.479	5.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.952	9.80	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.952	9.80	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.952	9.86	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.957	9.94	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.947	9.88	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.952	9.90	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.938	9.82	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.947	9.88	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.957	9.88	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.951	9.90	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.945	9.74	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.947	9.90	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.507	14.97	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.488	15.24	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.489	14.91	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.508	15.03	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.48	15.06	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.46	14.88	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.513	15.09	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.508	15.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.459	14.97	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.503	15.03	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.488	14.94	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.471	14.85	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.932	19.72	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.887	19.64	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.885	19.56	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.936	19.76	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.9	19.68	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.879	19.56	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.953	19.96	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.60	PASS



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Report No.: SEWM2306000193RG01

Rev.: 01

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Band4	20MHz	64QAM	20300	100RB#0	17.874	19.60	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.95	19.76	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.888	19.68	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.895	19.60	PASS



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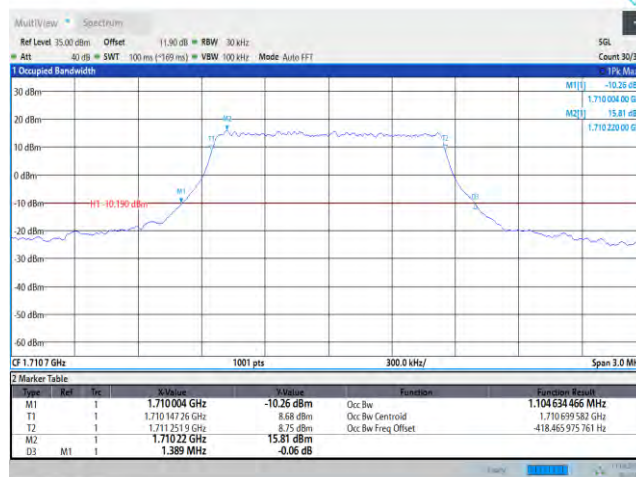
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Test Graphs

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



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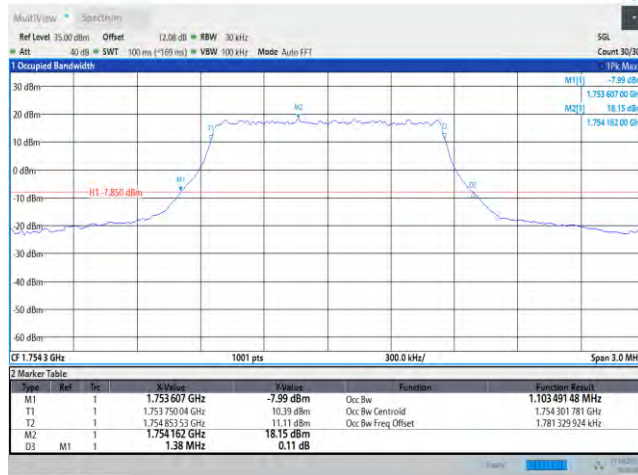
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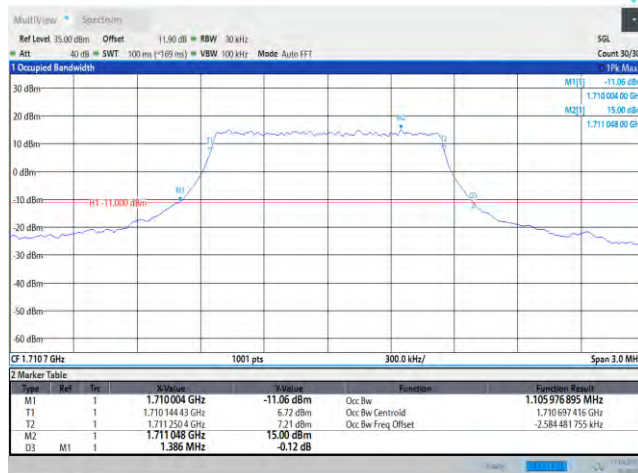
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Band4-1.4MHz-QPSK-20393-6RB#0



16:40:47 11.06.2023

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



16:38:01 11.06.2023



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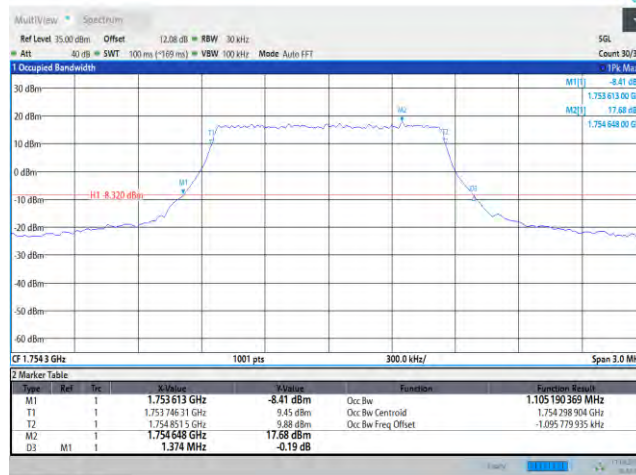
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Band4-1.4MHz-16QAM-20175-6RB#0



16:39:32 11.06.2023

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



16:41:04 11.06.2023



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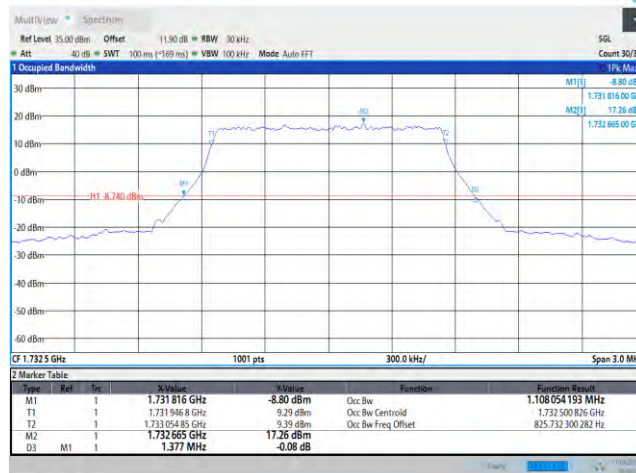
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Band4-1.4MHz-64QAM-19957-6RB#0



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Band4-1.4MHz-64QAM-20175-6RB#0



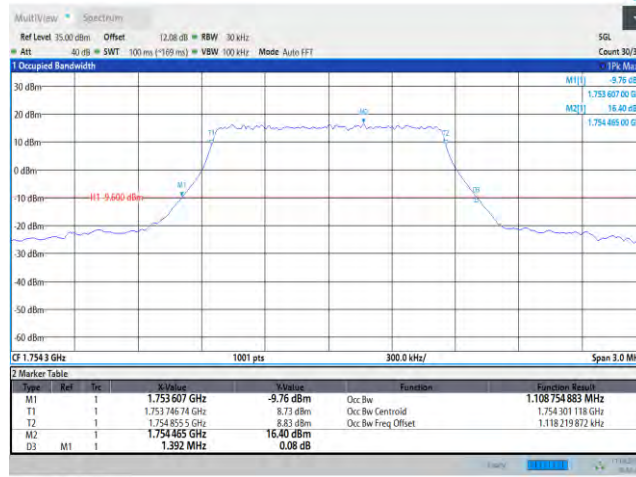
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Band4-1.4MHz-64QAM-20393-6RB#0



16:41:22 11.06.2023

Band4-1.4MHz-256QAM-19957-6RB#0



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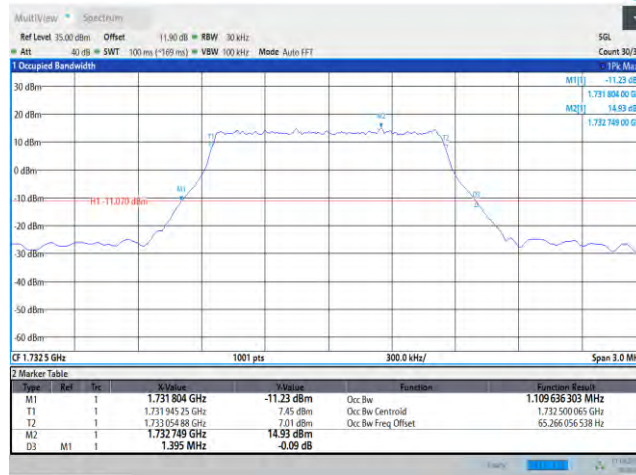


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Band4-1.4MHz-256QAM-20175-6RB#0



16:40:07 11.06.2023

Band4-1.4MHz-256QAM-20393-6RB#0



16:41:39 11.06.2023

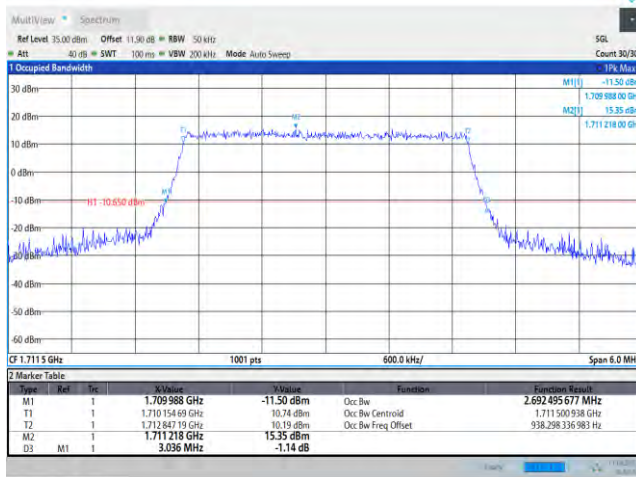


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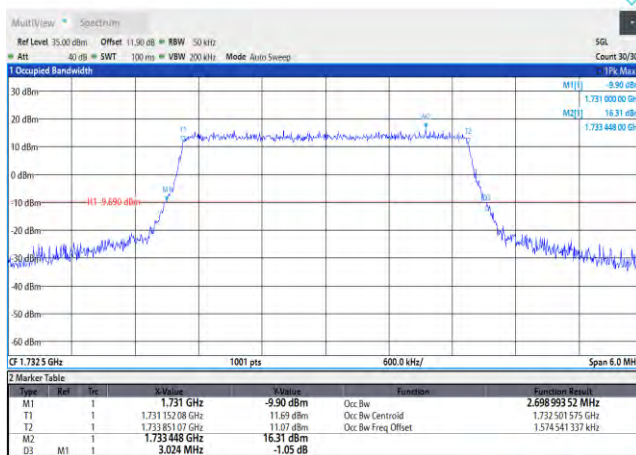
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Band4-3MHz-QPSK-19965-15RB#0



16:42:19 11.06.2023

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



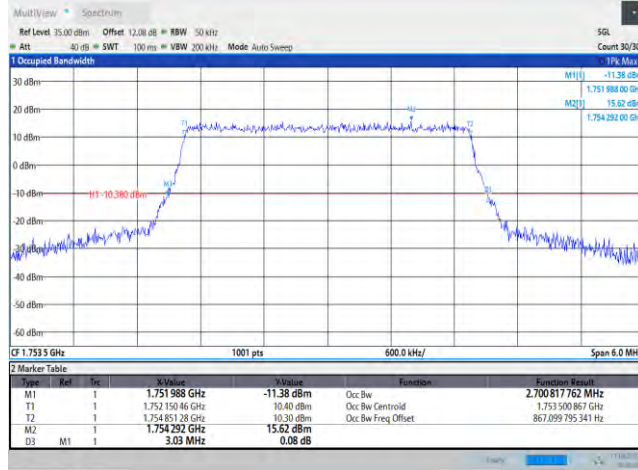
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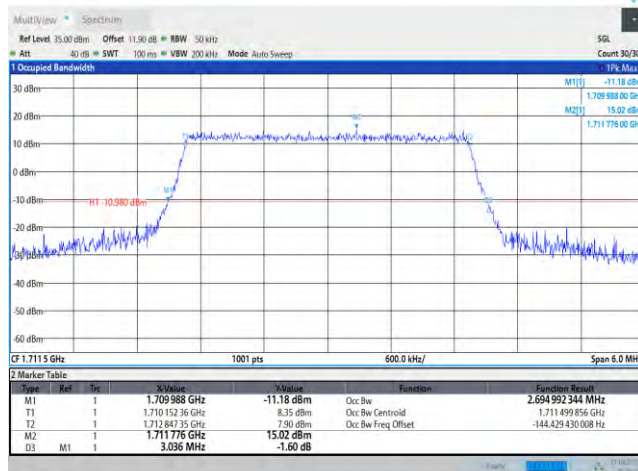
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Band4-3MHz-QPSK-20385-15RB#0



16:45:59 11.06.2023

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



16:42:35 11.06.2023

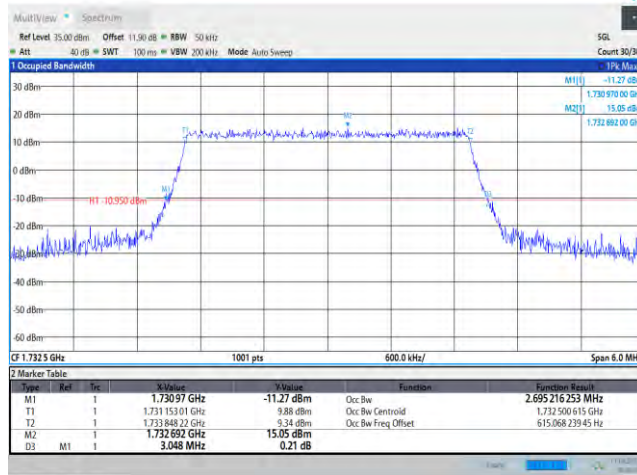


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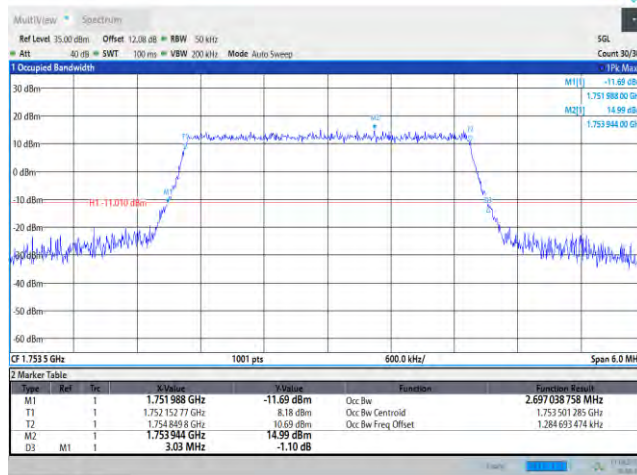
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Band4-3MHz-16QAM-20175-15RB#0



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



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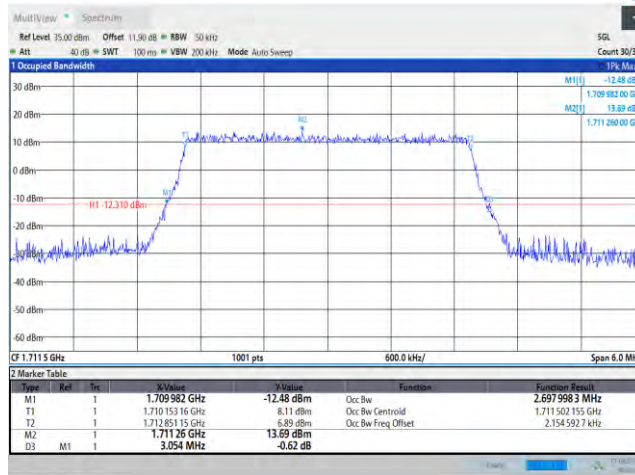


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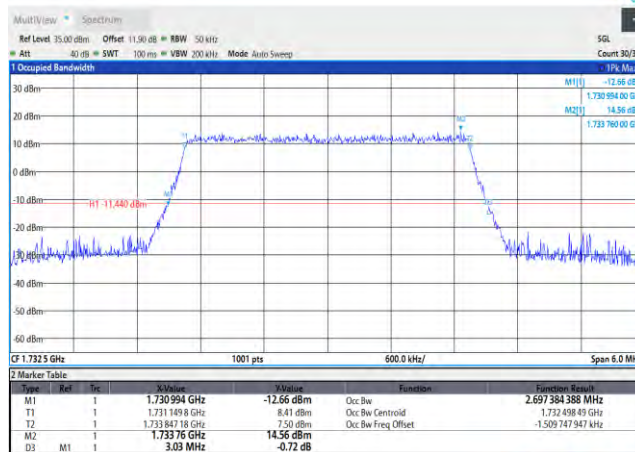
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Band4-3MHz-64QAM-19965-15RB#0



16:42:52 11.06.2023

Band4-3MHz-64QAM-20175-15RB#0



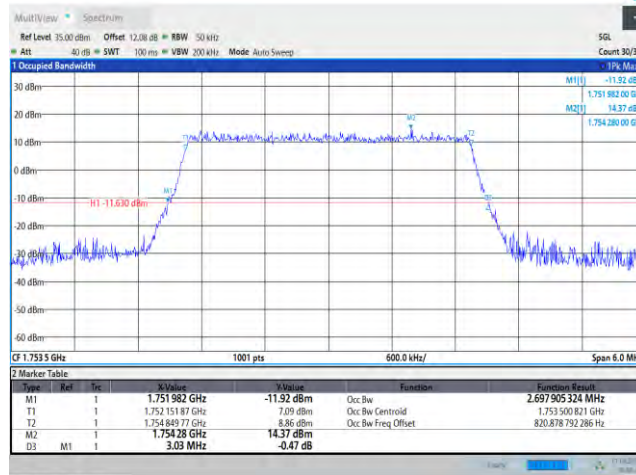
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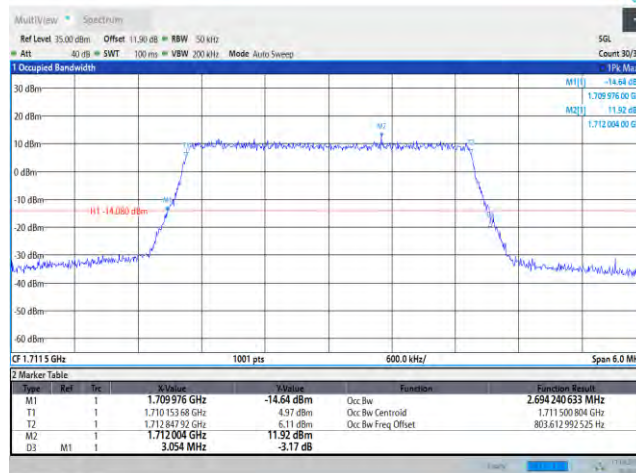
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Band4-3MHz-64QAM-20385-15RB#0



16:46:32 11.06.2023

Band4-3MHz-256QAM-19965-15RB#0



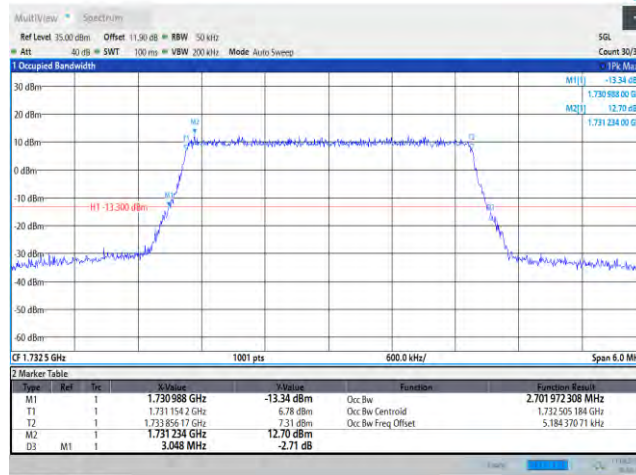
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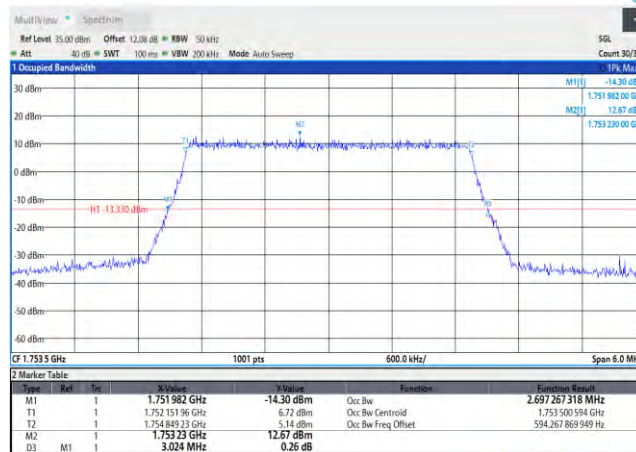
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Band4-3MHz-256QAM-20175-15RB#0



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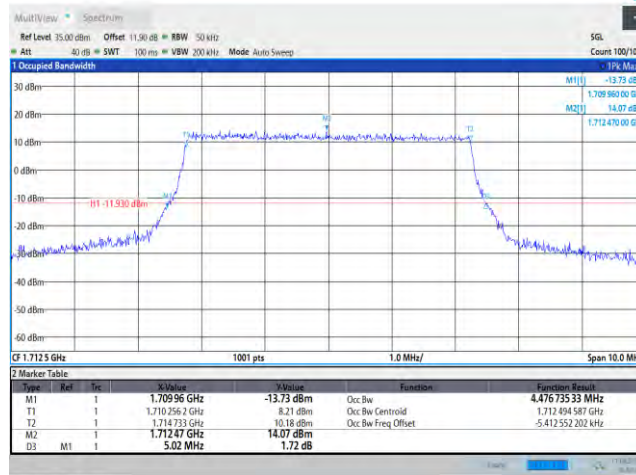
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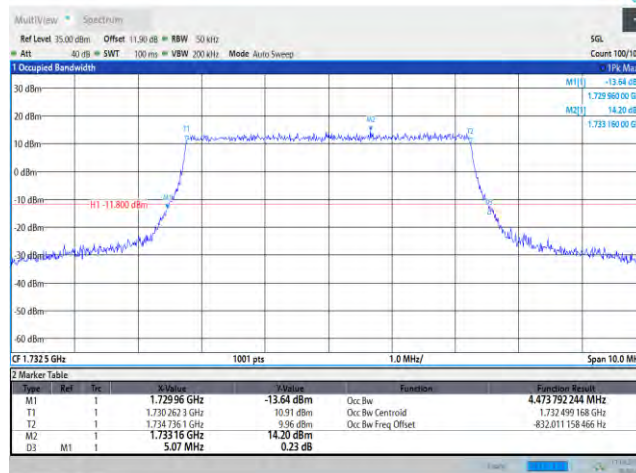
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Band4-5MHz-QPSK-19975-25RB#0



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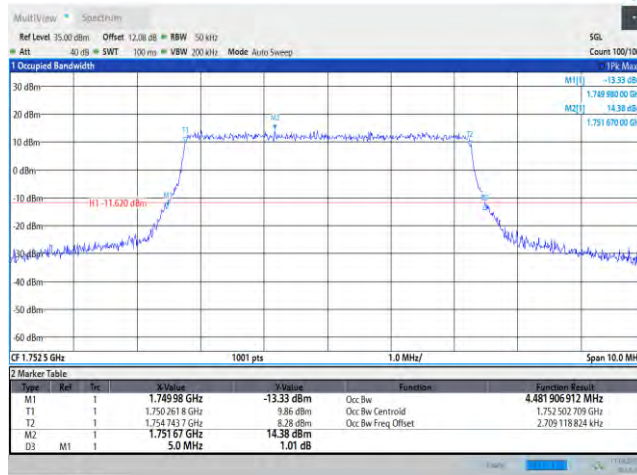
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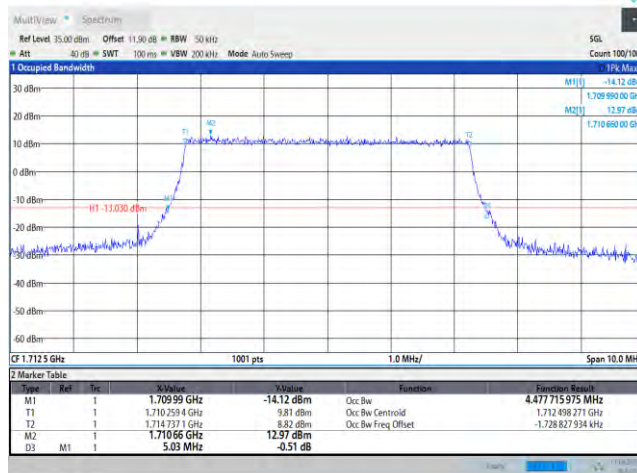
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Band4-5MHz-QPSK-20375-25RB#0



16:51:32 11.06.2023

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



16:47:58 11.06.2023

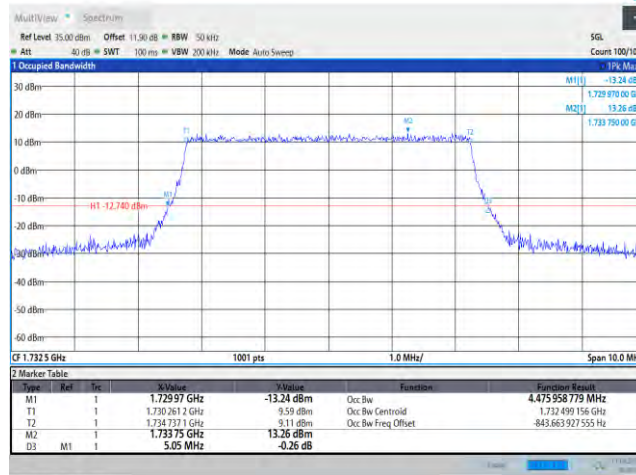


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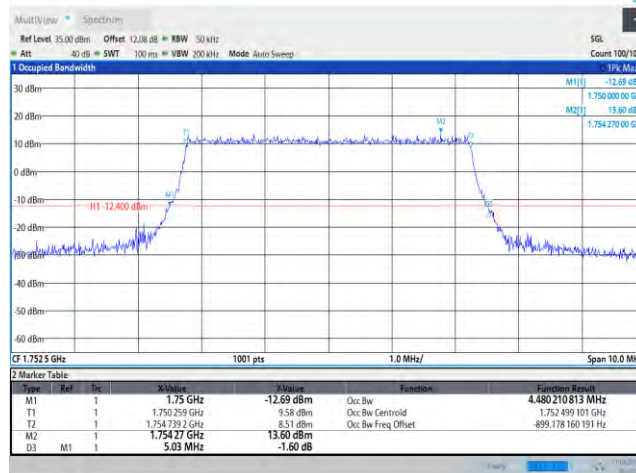
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Band4-5MHz-16QAM-20175-25RB#0



16:49:57 11. 06. 2023

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



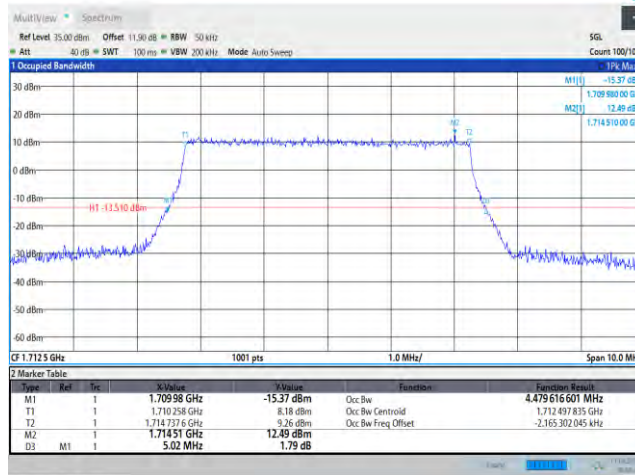
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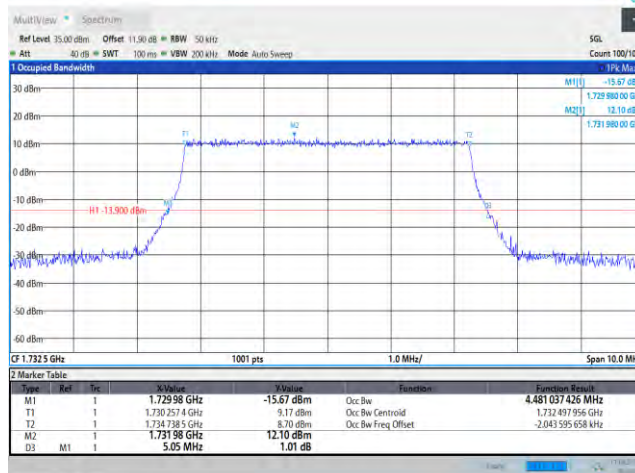
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Band4-5MHz-64QAM-19975-25RB#0



16:48:22 11.06.2023

Band4-5MHz-64QAM-20175-25RB#0



16:50:21 11.06.2023

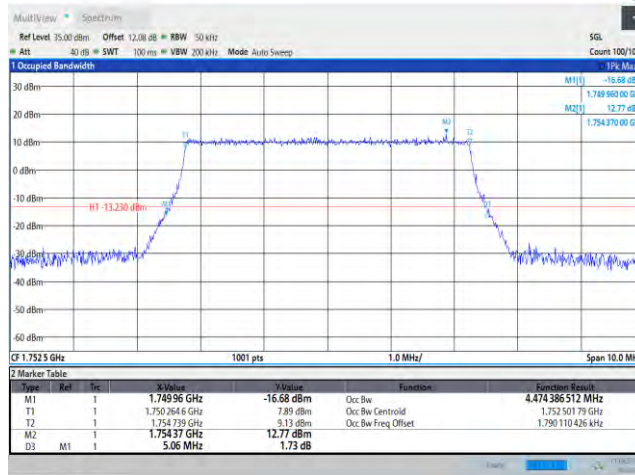


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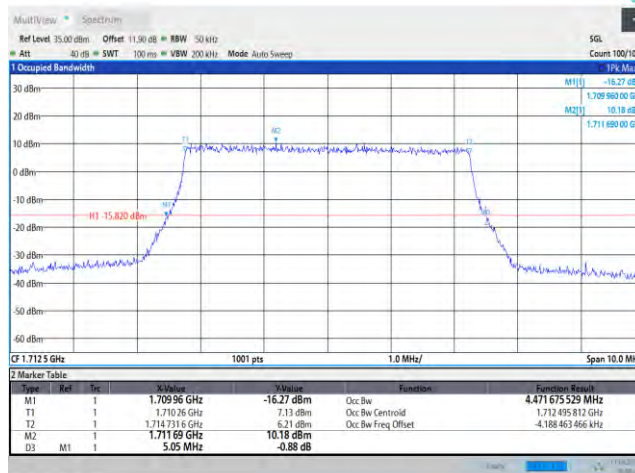
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Band4-5MHz-64QAM-20375-25RB#0



16:52:20 11.06.2023

Band4-5MHz-256QAM-19975-25RB#0



16:48:45 11.06.2023

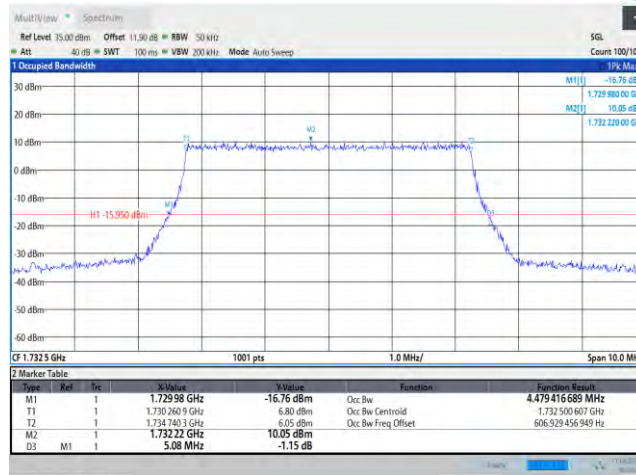


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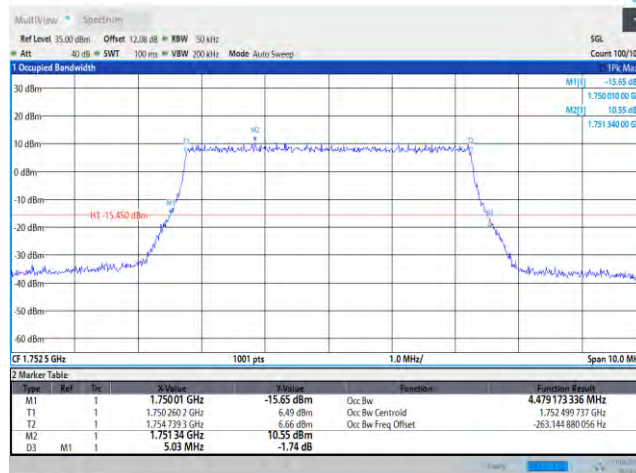
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Band4-5MHz-256QAM-20175-25RB#0



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Band4-5MHz-256QAM-20375-25RB#0



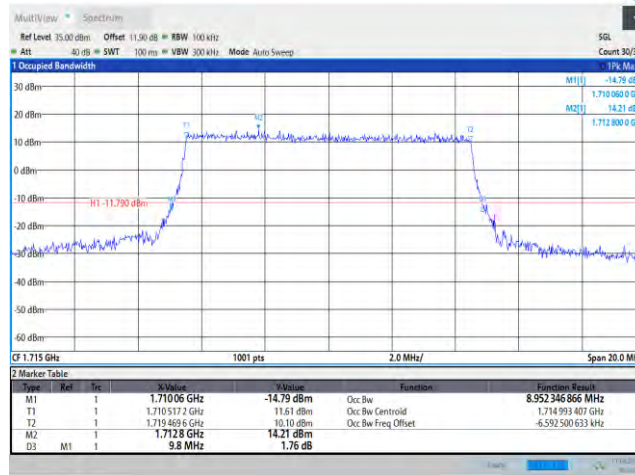
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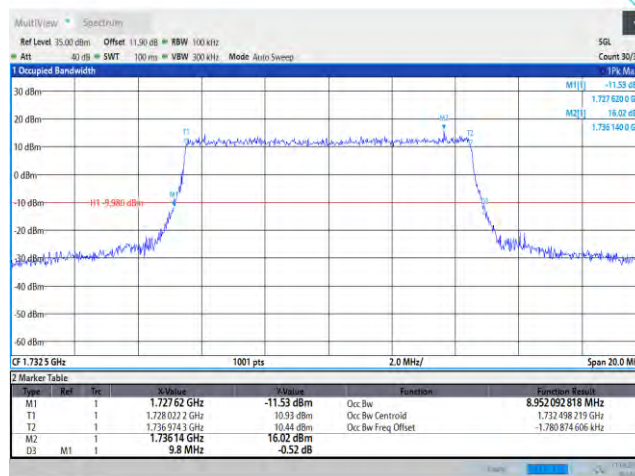
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Band4-10MHz-QPSK-20000-50RB#0



16:53:25 11.06.2023

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



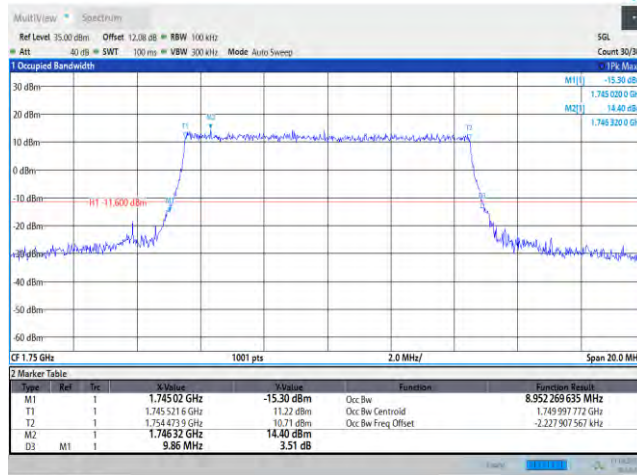
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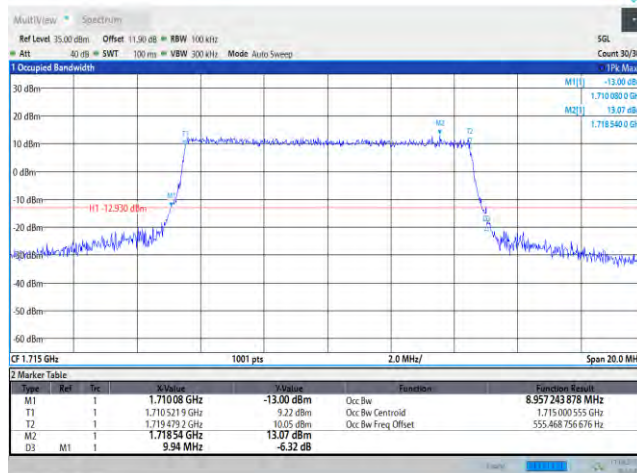
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Band4-10MHz-QPSK-20350-50RB#0



16:56:23 11.06.2023

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



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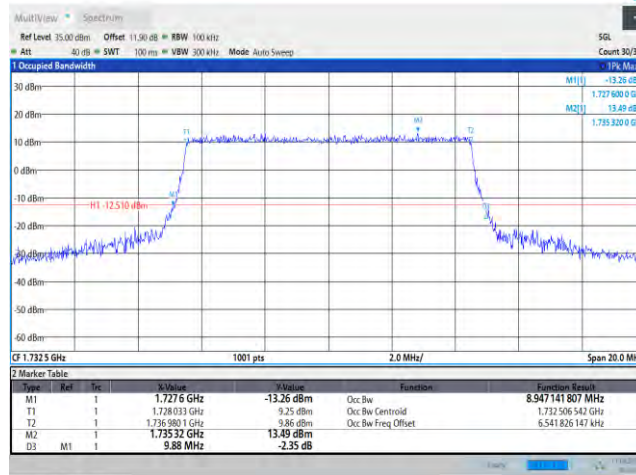


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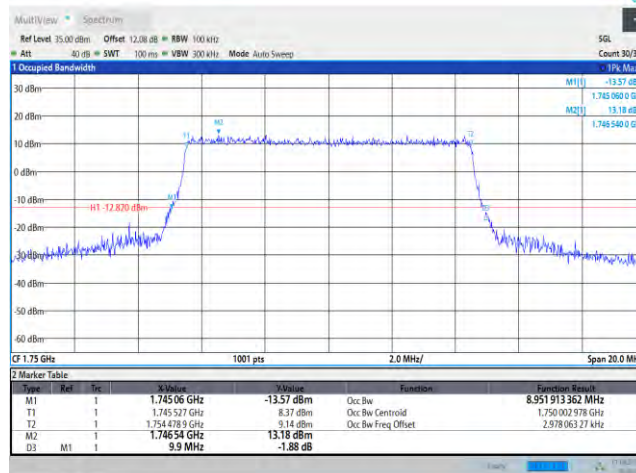
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Band4-10MHz-16QAM-20175-50RB#0



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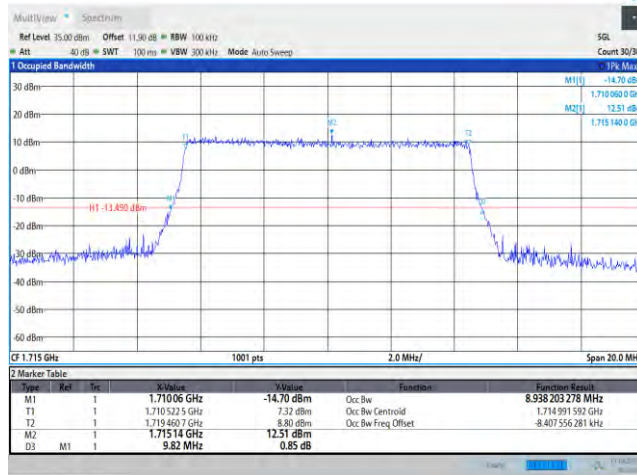
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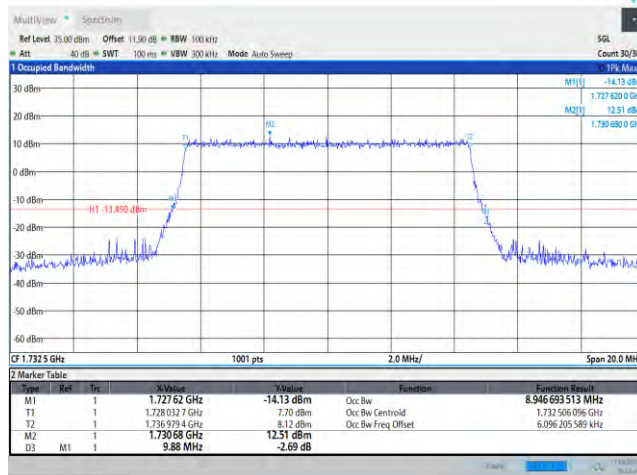
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Band4-10MHz-64QAM-20000-50RB#0



16:53:58 11.06.2023

Band4-10MHz-64QAM-20175-50RB#0



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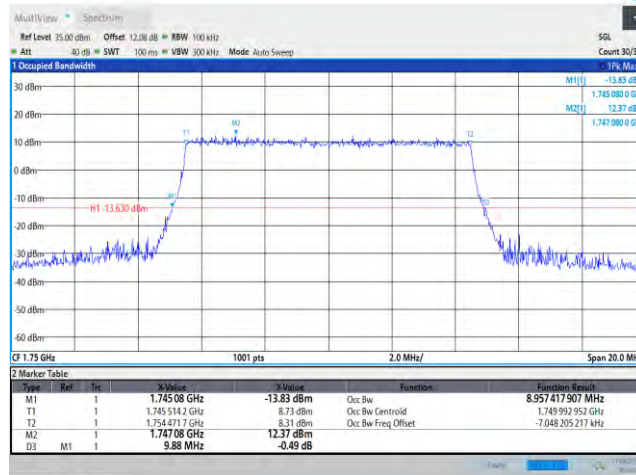


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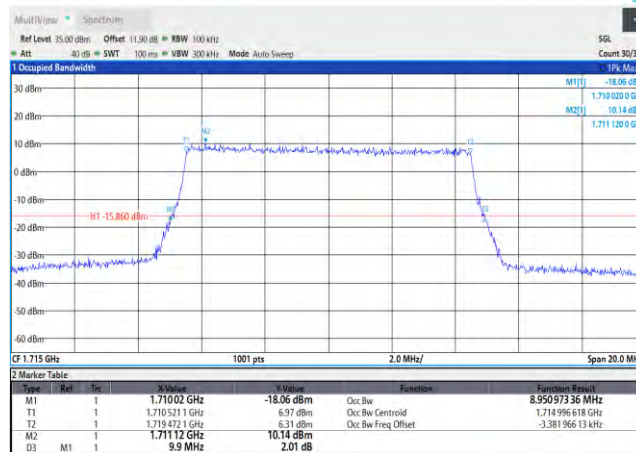
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Band4-10MHz-64QAM-20350-50RB#0



16:56:56 11. 06. 2023

Band4-10MHz-256QAM-20000-50RB#0



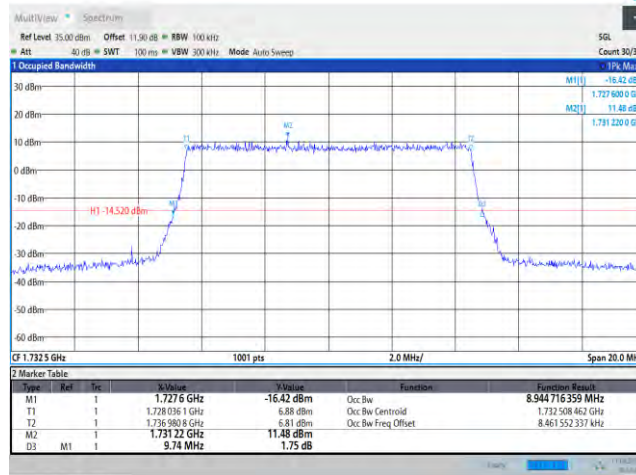
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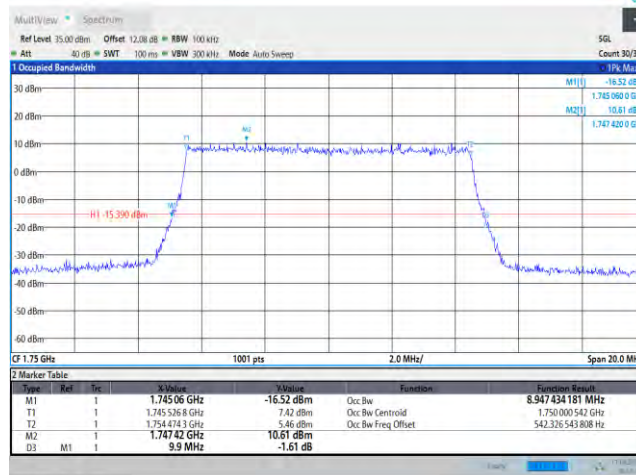
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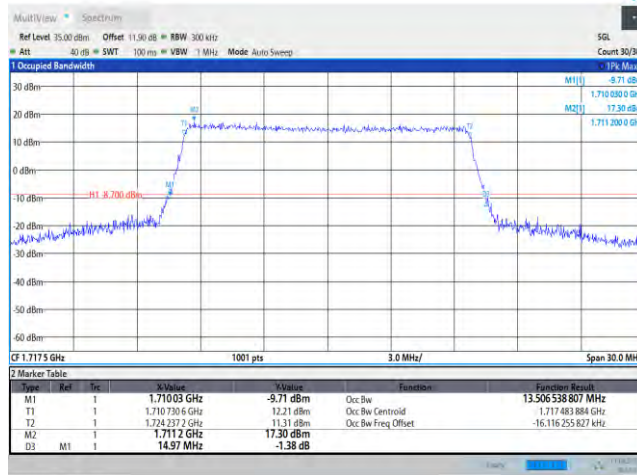
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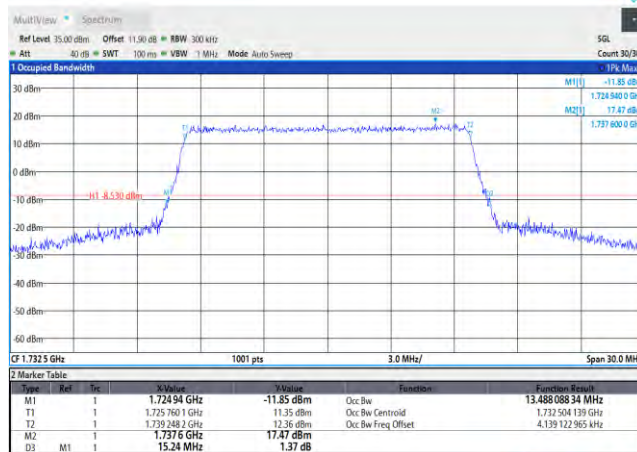
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Band4-15MHz-QPSK-20025-75RB#0



16:57:52 11.06.2023

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



16:59:20 11.06.2023

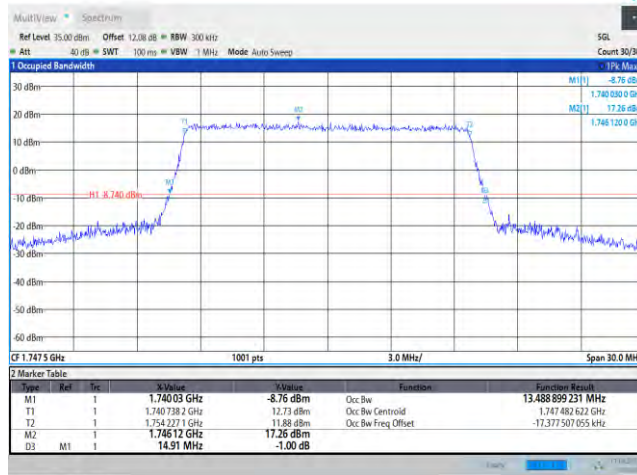


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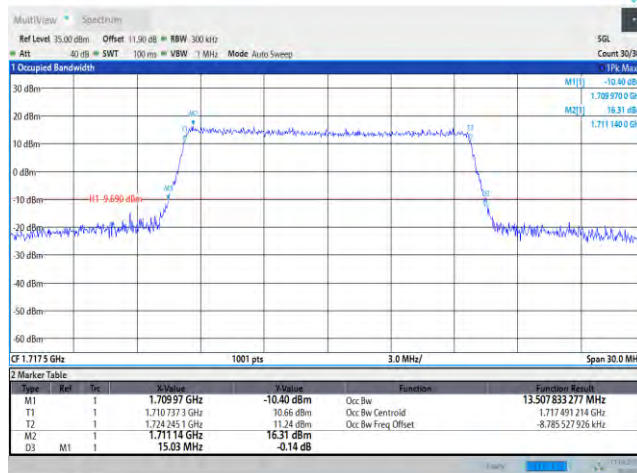
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Band4-15MHz-QPSK-20325-75RB#0



17:10:31 11.06.2023

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



16:58:08 11.06.2023

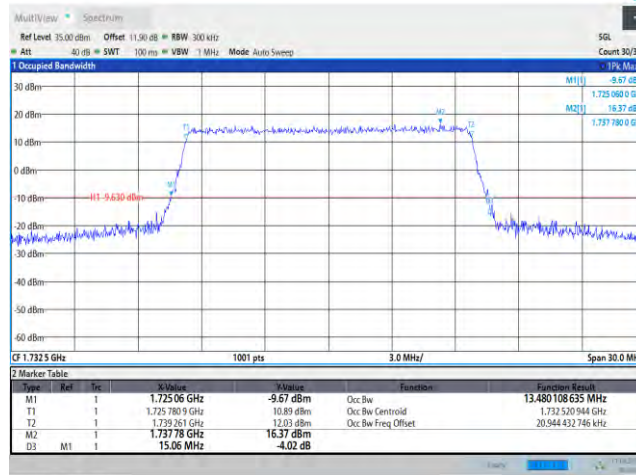


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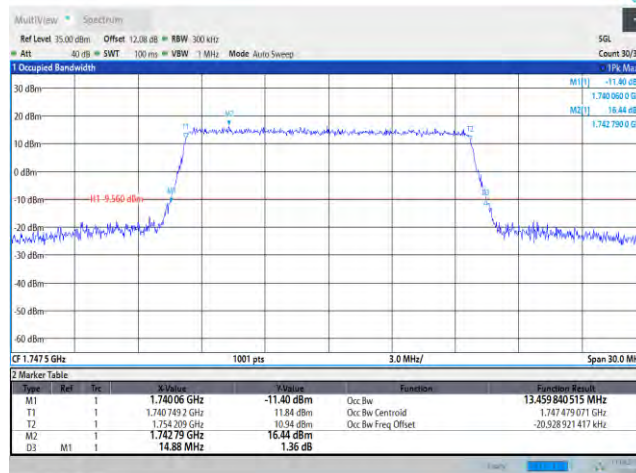
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Band4-15MHz-16QAM-20175-75RB#0



16:59:36 11.06.2023

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



17:10:47 11.06.2023

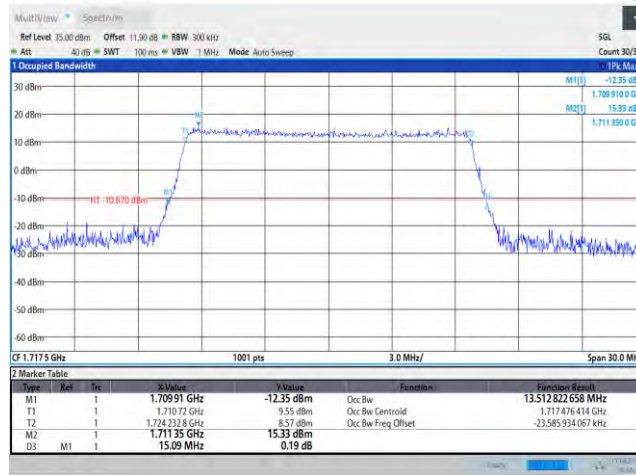


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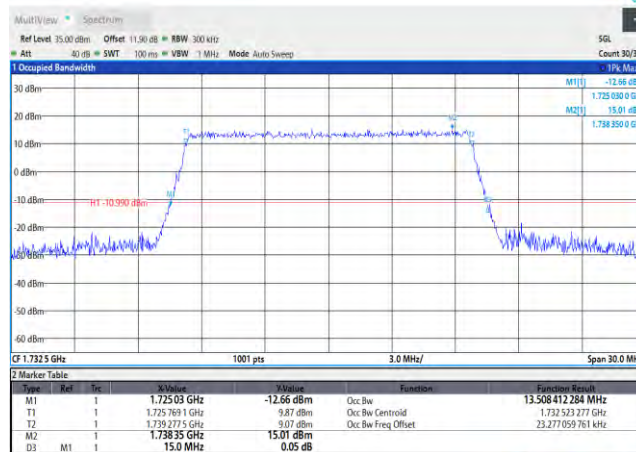
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Band4-15MHz-64QAM-20025-75RB#0



16:58:25 11.06.2023

Band4-15MHz-64QAM-20175-75RB#0



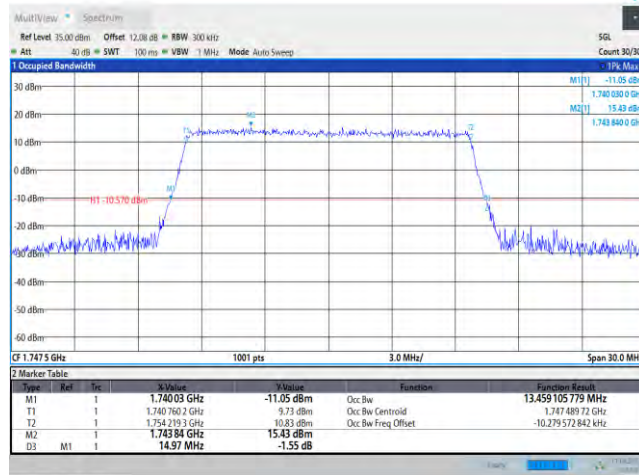
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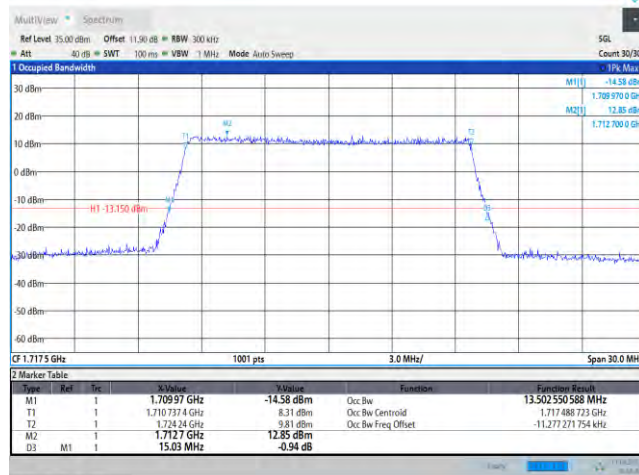
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Band4-15MHz-64QAM-20325-75RB#0



17:11:03 11.06.2023

Band4-15MHz-256QAM-20025-75RB#0



16:58:41 11.06.2023

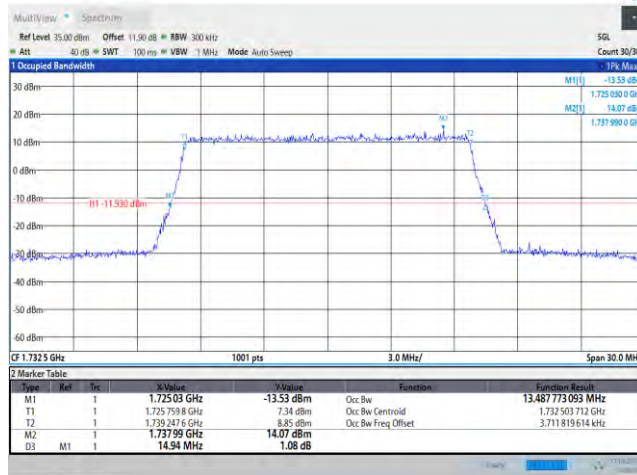


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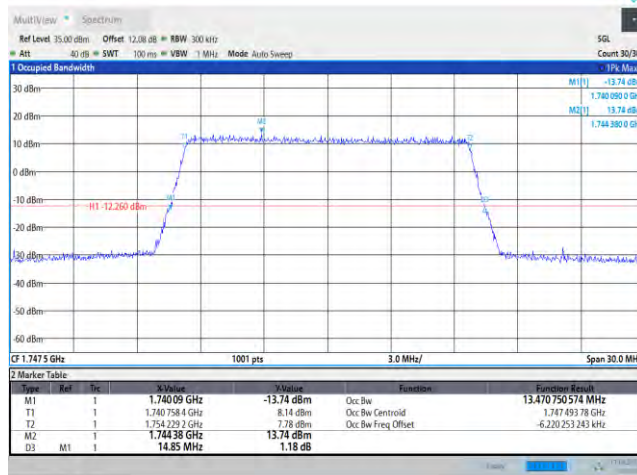
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Band4-15MHz-256QAM-20175-75RB#0



17:00:09 11.06.2023

Band4-15MHz-256QAM-20325-75RB#0



17:11:19 11.06.2023

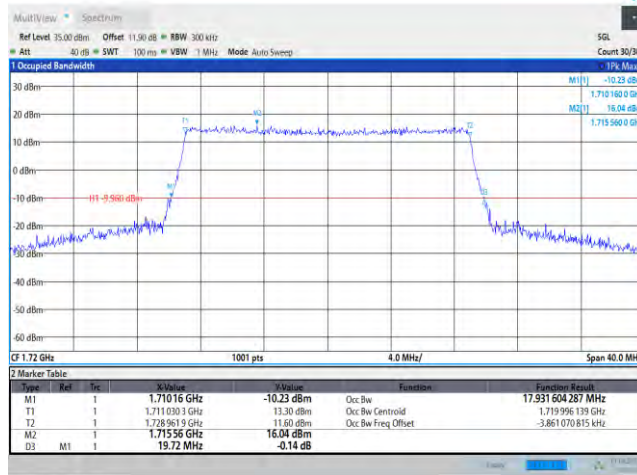


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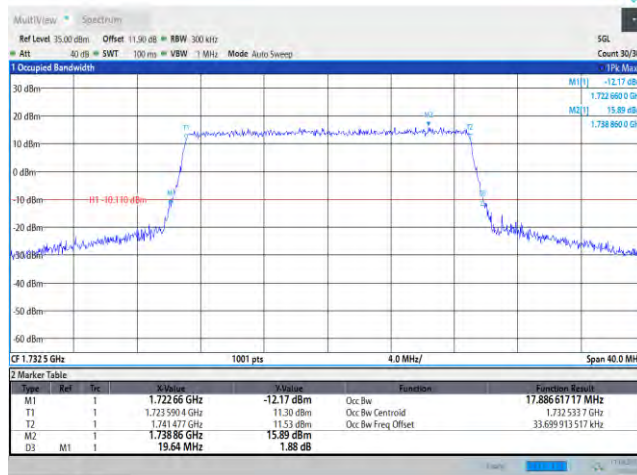
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Band4-20MHz-QPSK-20050-100RB#0



17:11:58 11.06.2023

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



17:13:26 11.06.2023

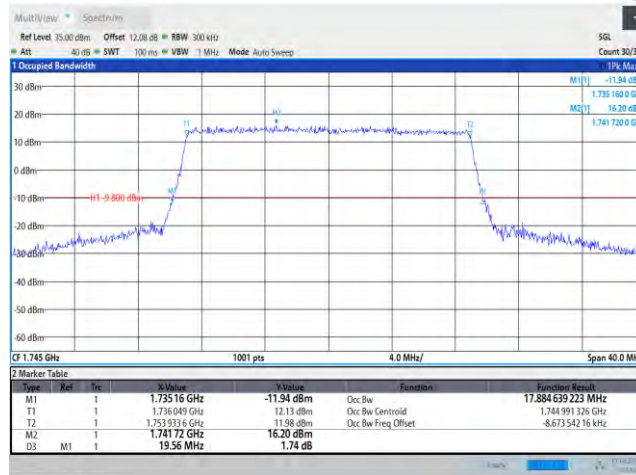


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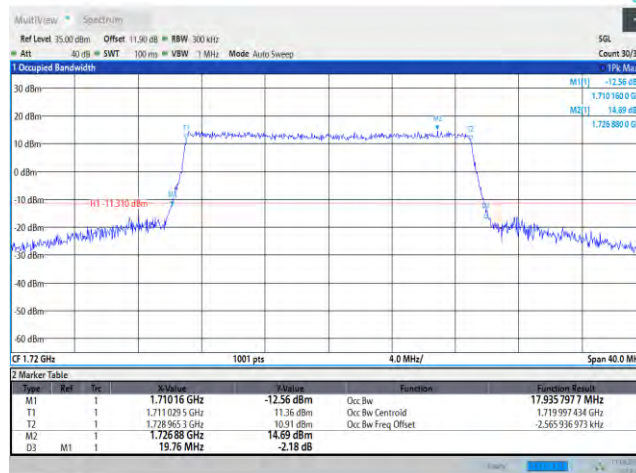
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Band4-20MHz-QPSK-20300-100RB#0



17:14:54 11.06.2023

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



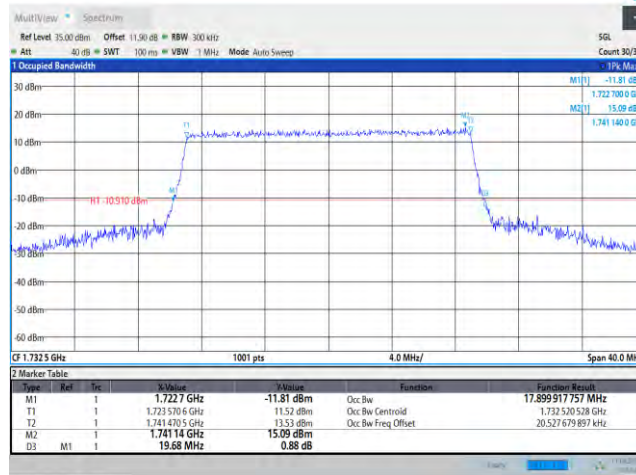
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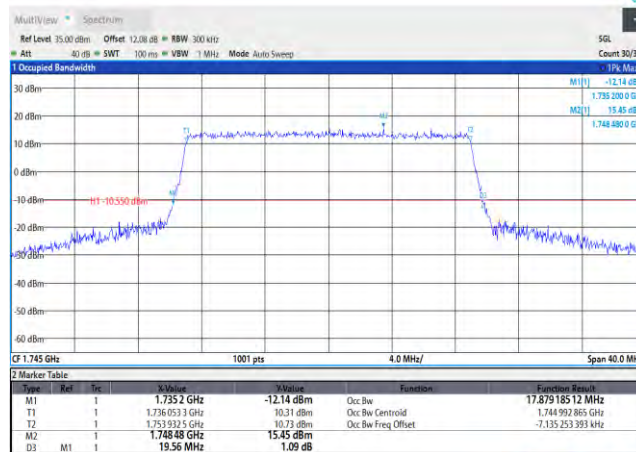
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Band4-20MHz-16QAM-20175-100RB#0



17:13:42 11.06.2023

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



17:15:10 11.06.2023

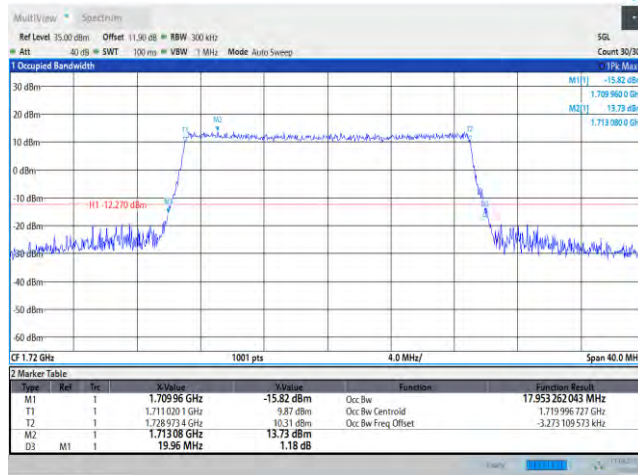


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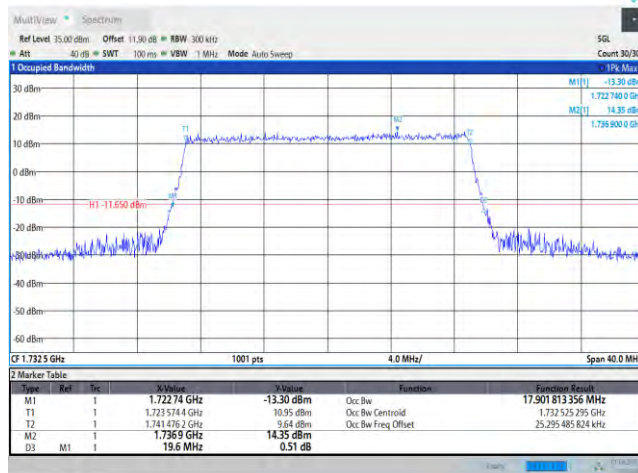
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Band4-20MHz-64QAM-20050-100RB#0



17:12:30 11.06.2023

Band4-20MHz-64QAM-20175-100RB#0



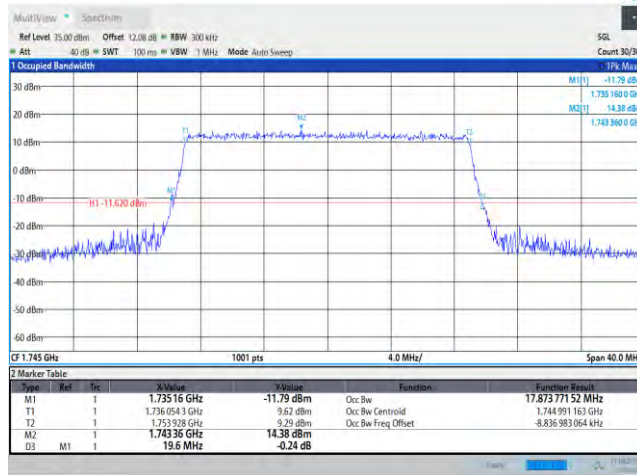
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Band4-20MHz-64QAM-20300-100RB#0



17:15:26 11.06.2023

Band4-20MHz-256QAM-20050-100RB#0



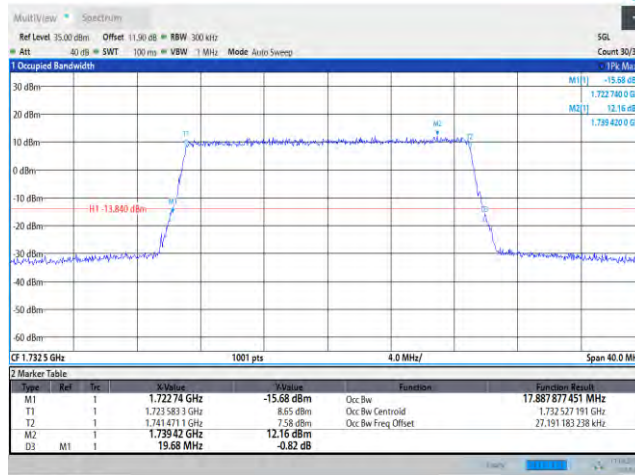
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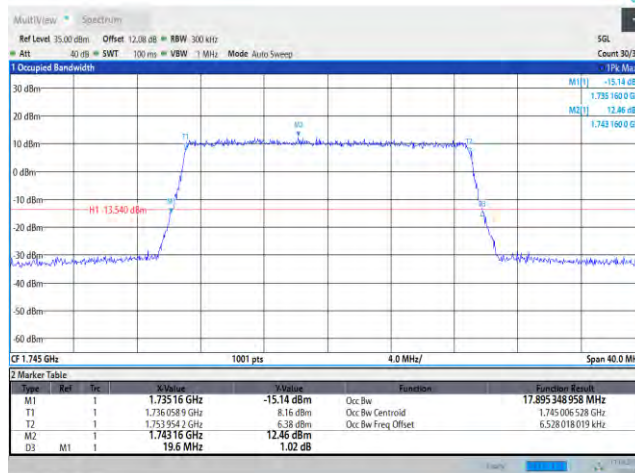
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17:14:15 11.06.2023

Band4-20MHz-256QAM-20300-100RB#0



17:15:43 11.06.2023



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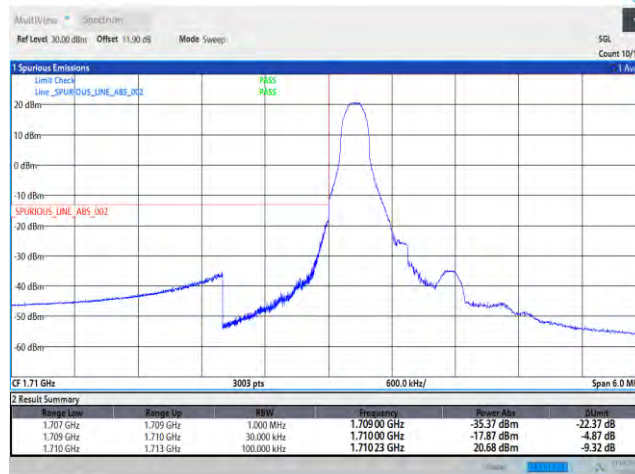
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Band Edge

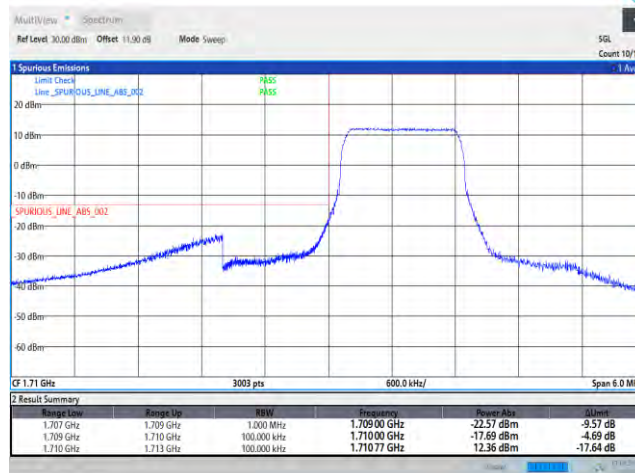
Test Graphs

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



17:16:39 11.06.2023

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



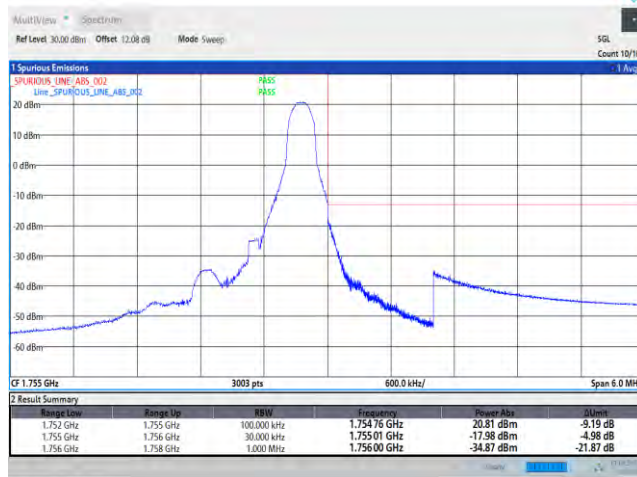
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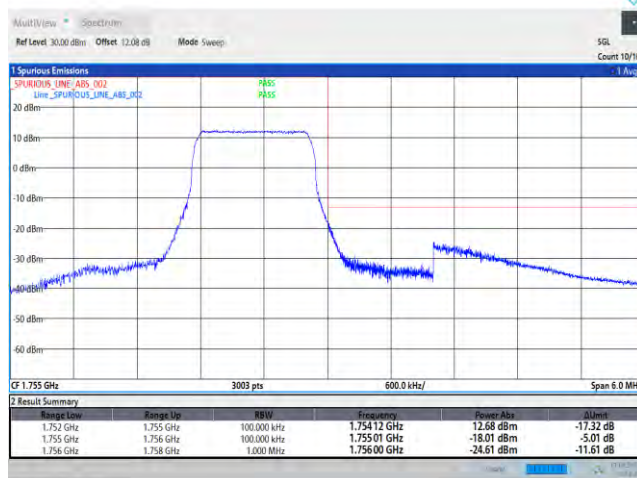
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Band4-1.4MHz-QPSK-20393-1RB#5



17:18:00 11.06.2023

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



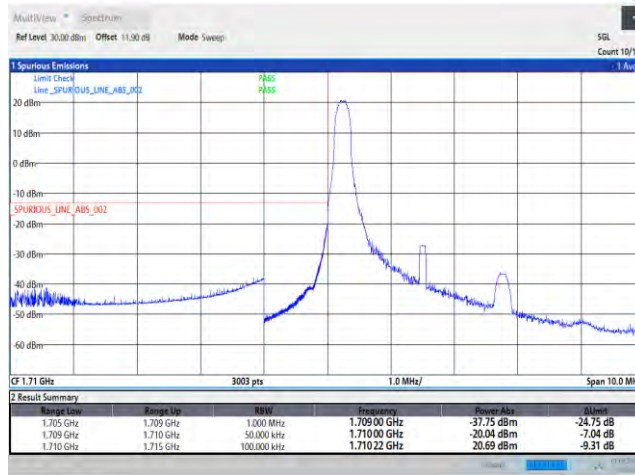
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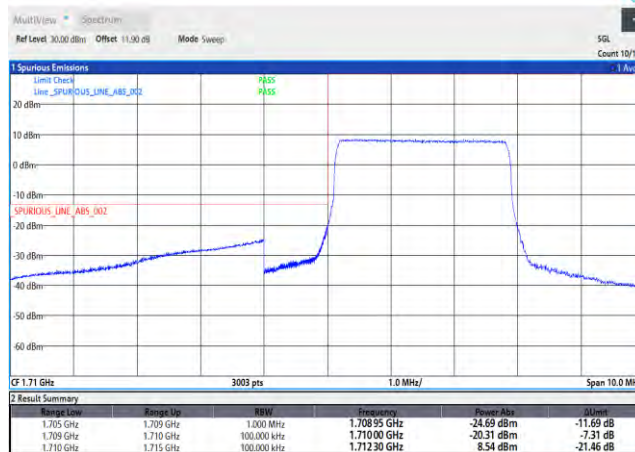
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Band4-3MHz-QPSK-19965-1RB#0



17:19:22 11.06.2023

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



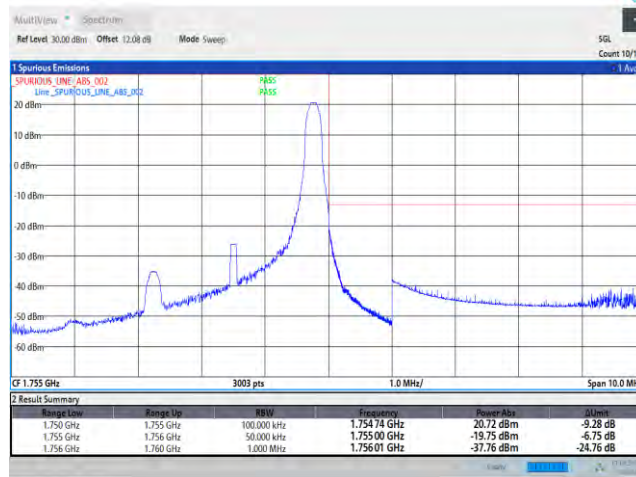
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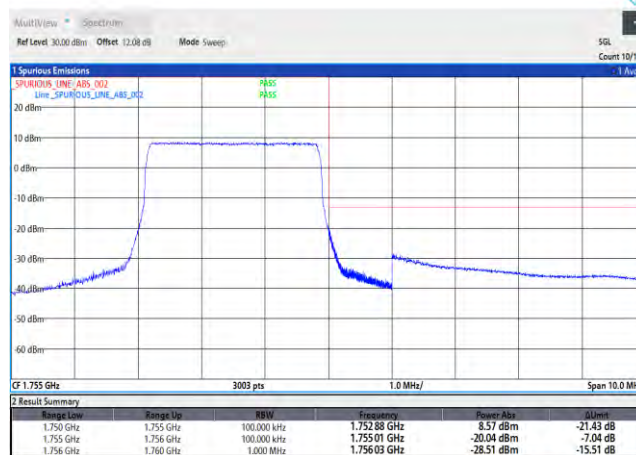
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Band4-3MHz-QPSK-20385-1RB#14



17:20:43 11.06.2023

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



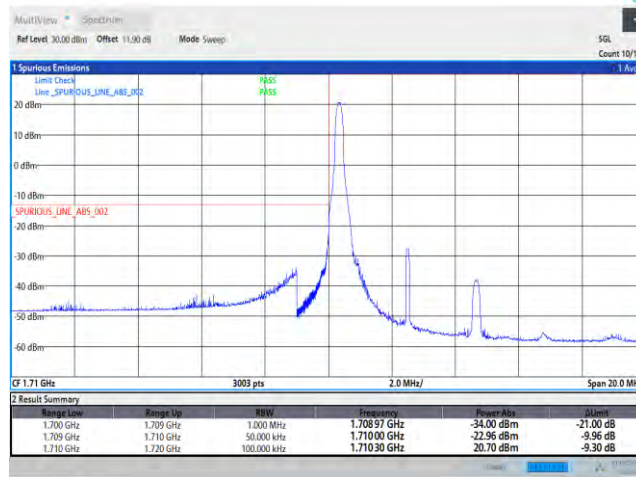
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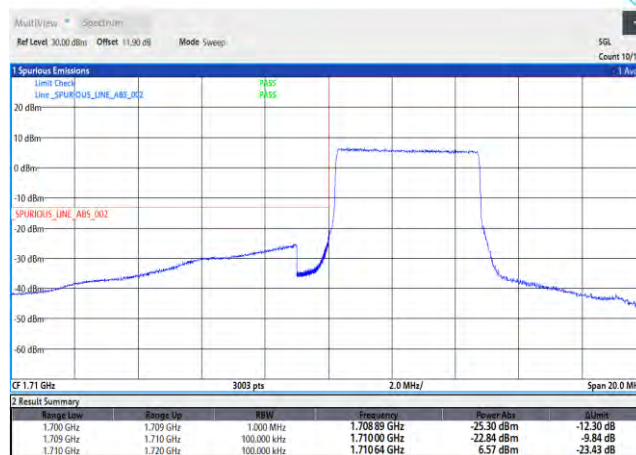
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Band4-5MHz-QPSK-19975-1RB#0



17:24:37 11.06.2023

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



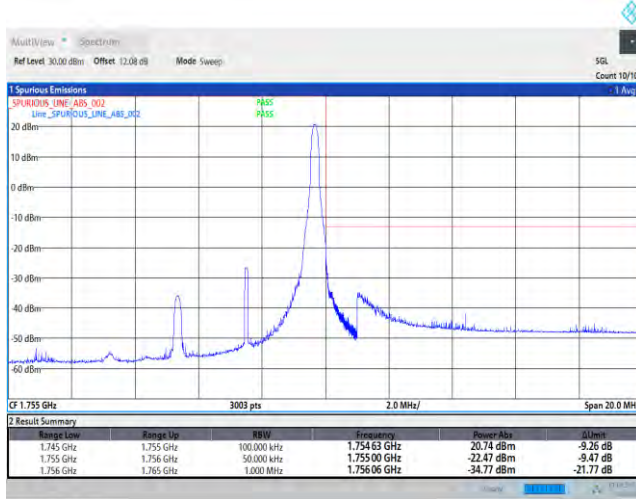
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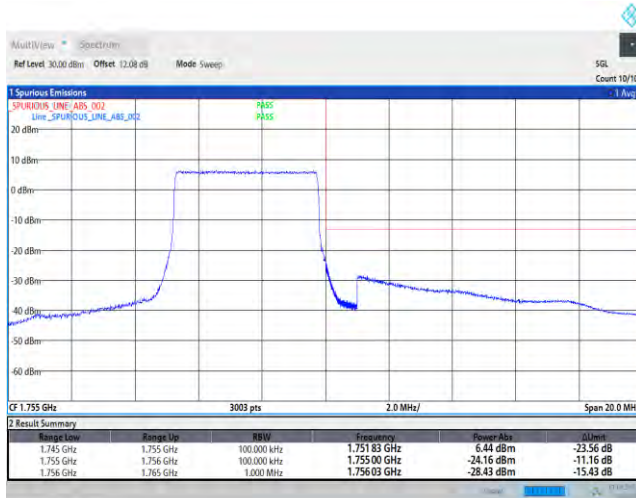
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Band4-5MHz-QPSK-20375-1RB#24



17:25:56 11.06.2023

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



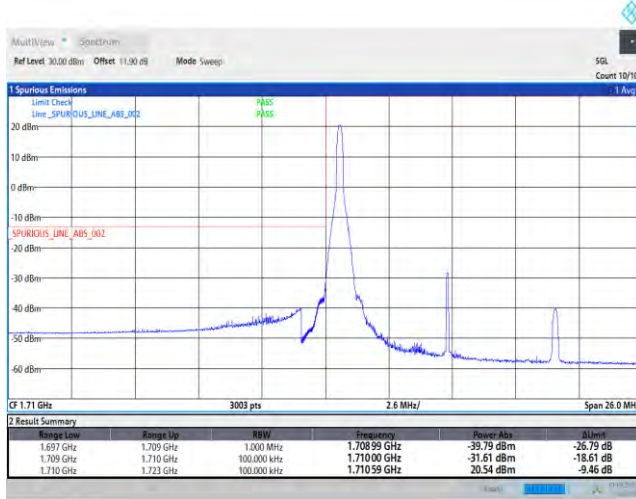
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Band4-10MHz-QPSK-20000-1RB#0



17:27:19 11.06.2023

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



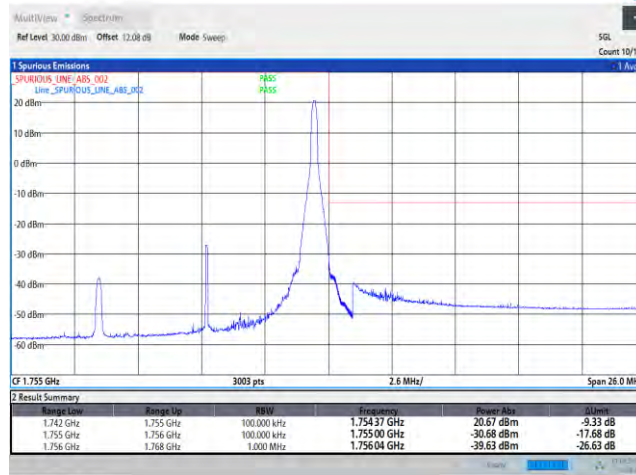
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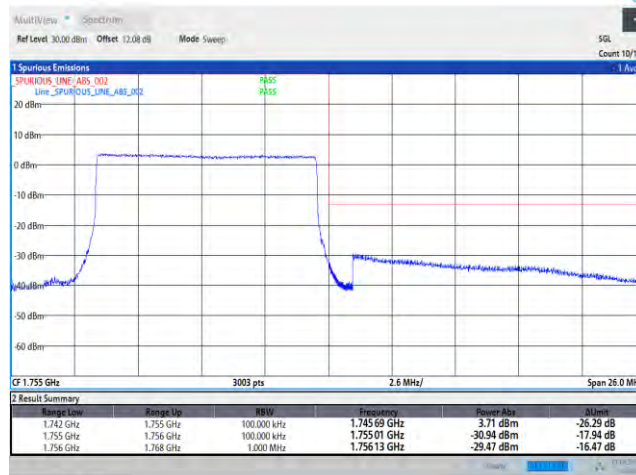
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Band4-10MHz-QPSK-20350-1RB#49



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



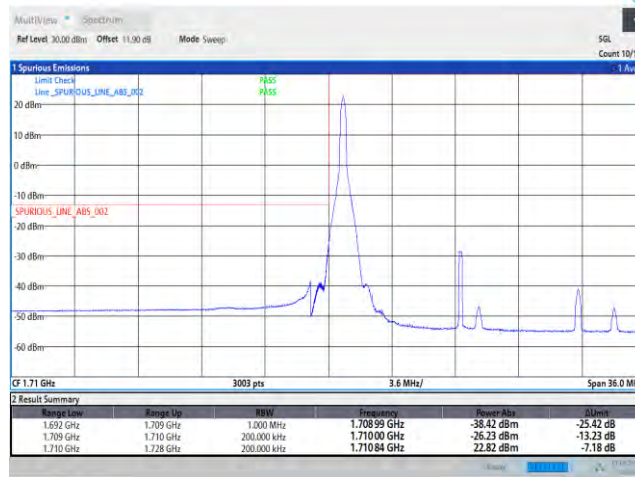
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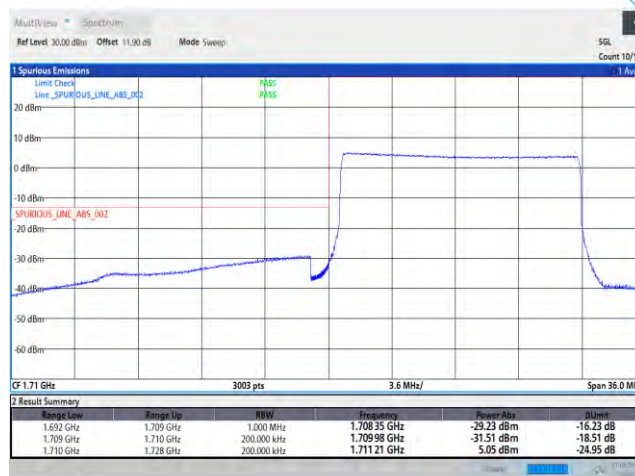
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Band4-15MHz-QPSK-20025-1RB#0



17:30:01 11.06.2023

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



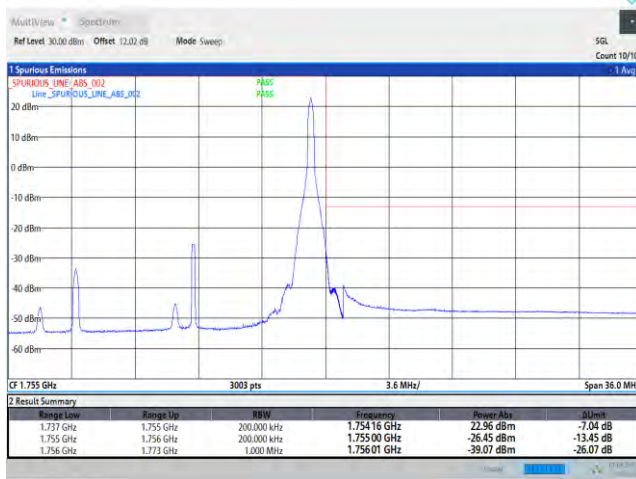
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Band4-15MHz-QPSK-20325-1RB#74



17:31:23 11.06.2023

Band4-15MHz-QPSK-20325-75RB#0



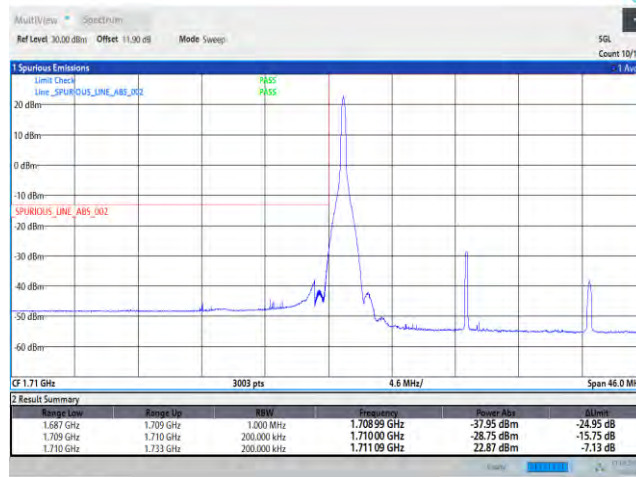
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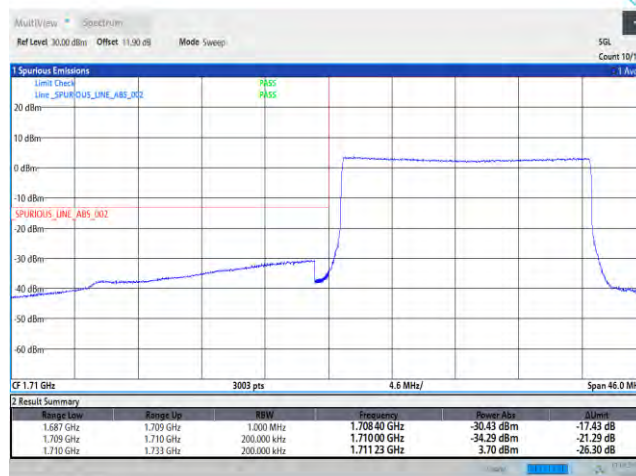
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Band4-20MHz-QPSK-20050-1RB#0



17:32:43 11.06.2023

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



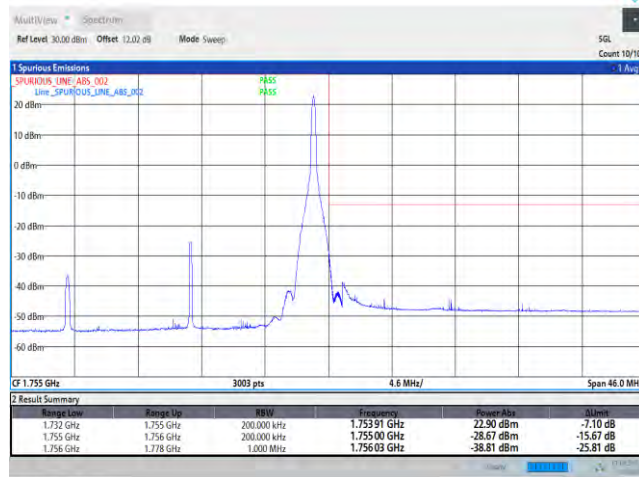
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Band4-20MHz-QPSK-20300-1RB#99



17:34:04 11. 06. 2023

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



17:34:27 11. 06. 2023



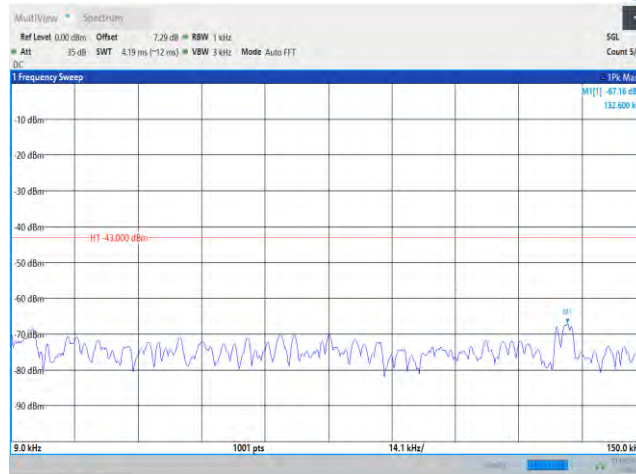
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Conducted Spurious Emission

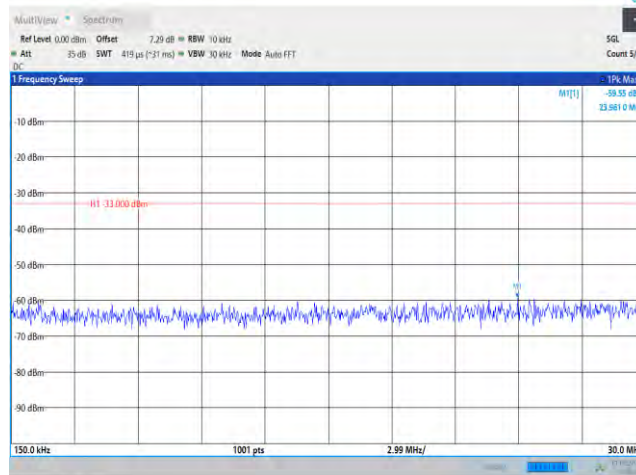
Test Graphs

Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



17:35:10 11.06.2023

Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



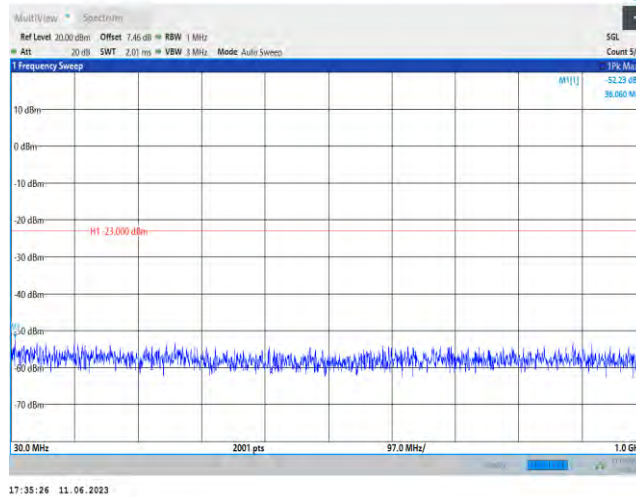
17:35:18 11.06.2023



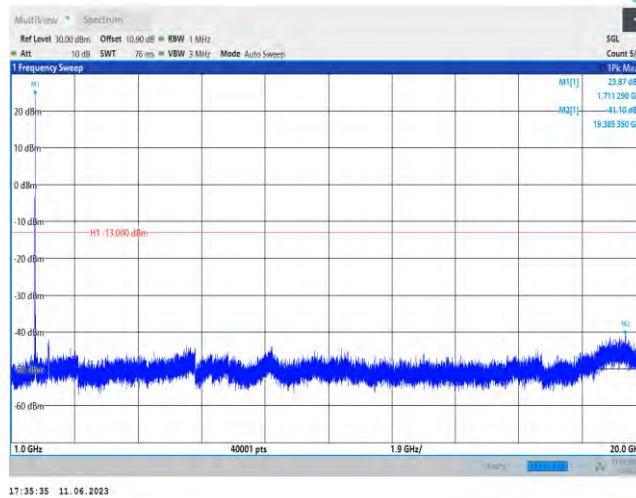
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



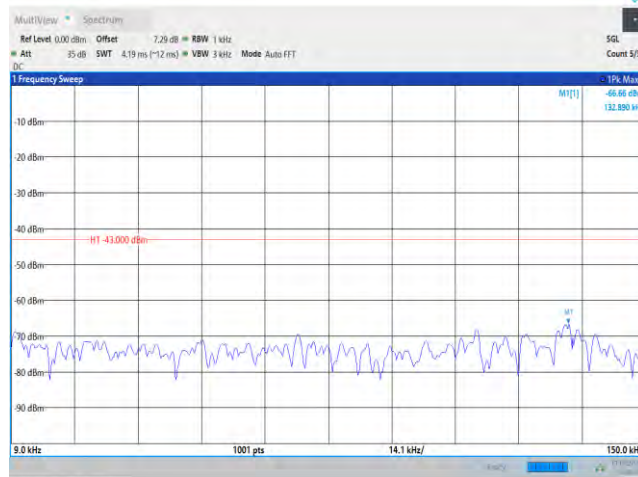
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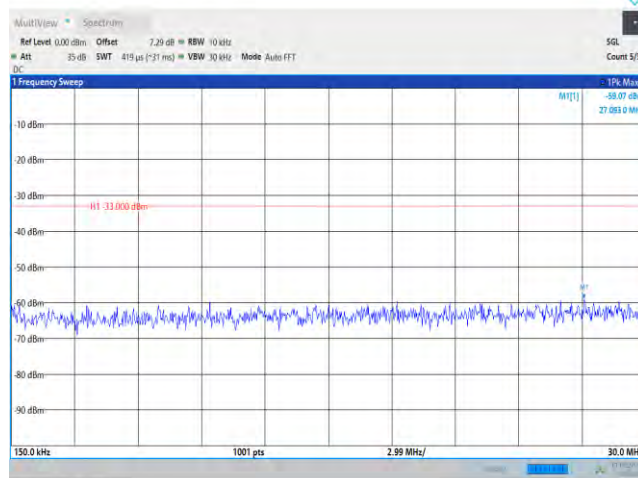
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz

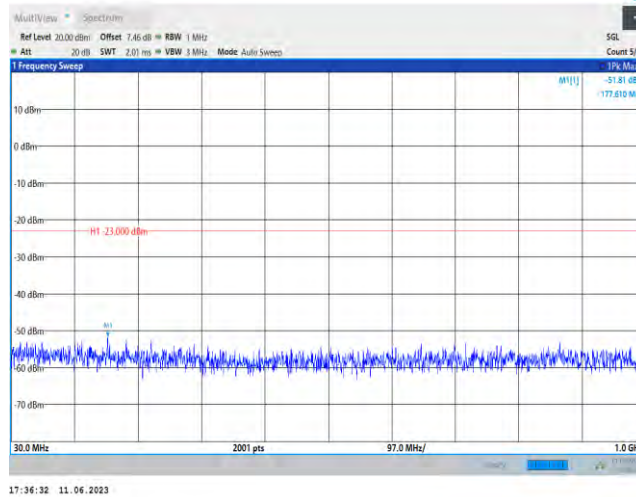


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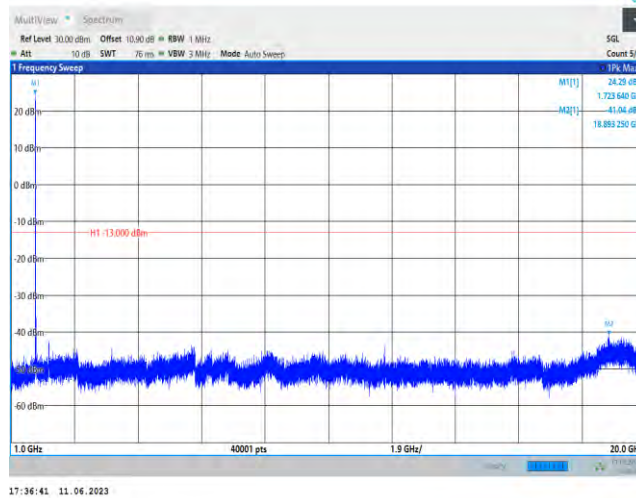
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



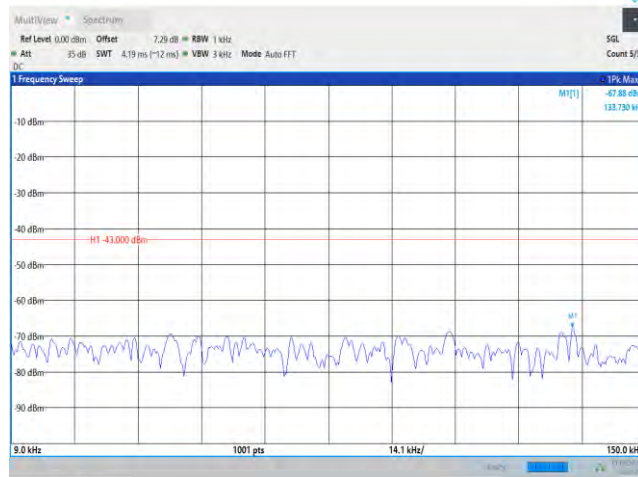
Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~20000MHz



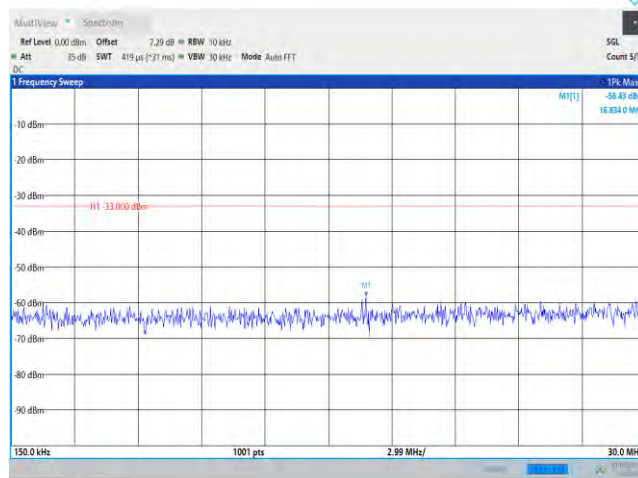
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz

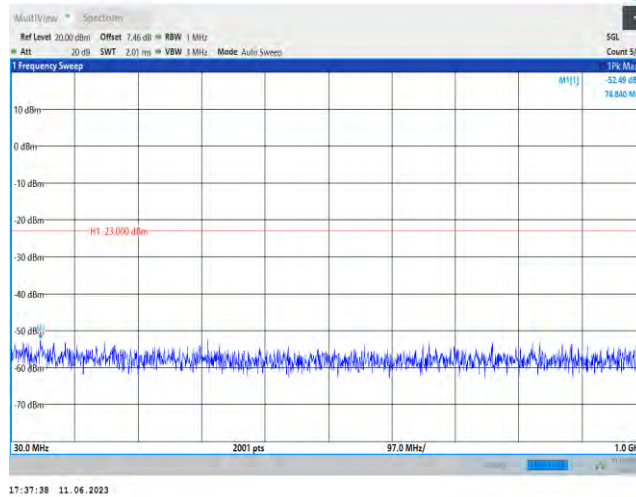


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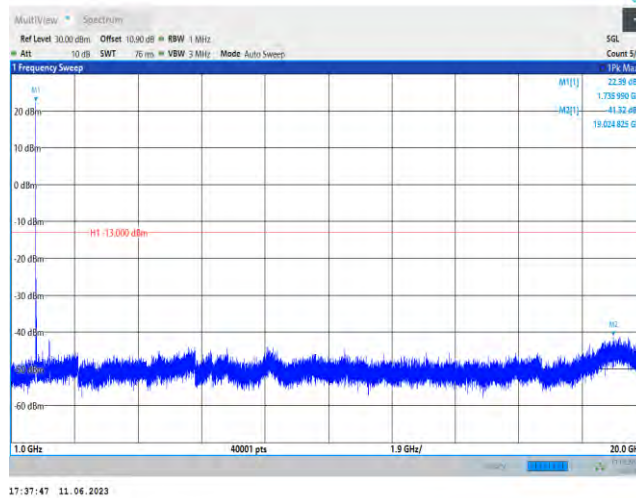
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation(Worse)

Test Band = LTE Band4_ TM1_20MHz
 Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	41.48	-46.28	28.55	-71.50	-13.00	58.50	112	238	Horizontal
2	5133.2700	39.89	-45.34	31.72	-68.99	-13.00	55.99	187	74	Horizontal
3	6844.3600	39.60	-44.14	34.92	-64.88	-13.00	51.88	145	359	Horizontal
4	8555.4500	36.63	-41.46	36.52	-63.57	-13.00	50.57	163	359	Horizontal
5	10266.5400	34.14	-39.23	38.33	-62.01	-13.00	49.01	231	360	Horizontal
6	11977.6300	30.72	-37.51	38.80	-63.26	-13.00	50.26	147	134	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	41.96	-46.28	28.55	-71.02	-13.00	58.02	155	3	Vertical
2	5133.2700	40.27	-45.34	31.72	-68.61	-13.00	55.61	187	357	Vertical
3	6844.3600	39.77	-44.14	34.92	-64.71	-13.00	51.71	145	92	Vertical
4	8555.4500	37.12	-41.46	36.52	-63.08	-13.00	50.08	213	213	Vertical
5	10266.5400	33.36	-39.23	38.33	-62.79	-13.00	49.79	287	0	Vertical
6	11977.6300	30.67	-37.51	38.80	-63.31	-13.00	50.31	102	332	Vertical



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Test Band = LTE Band4_ TM1_20MHz

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	42.91	-46.27	28.57	-70.05	-13.00	57.05	214	270	Horizontal
2	5170.7700	40.61	-45.31	31.81	-68.14	-13.00	55.14	287	239	Horizontal
3	6894.3600	39.33	-44.10	35.01	-65.02	-13.00	52.02	166	316	Horizontal
4	8617.9500	36.66	-41.40	36.49	-63.50	-13.00	50.50	123	357	Horizontal
5	10341.5400	34.50	-39.06	38.37	-61.45	-13.00	48.45	145	270	Horizontal
6	12065.1300	31.09	-37.44	38.82	-62.79	-13.00	49.79	169	299	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	41.57	-46.27	28.57	-71.39	-13.00	58.39	122	0	Vertical
2	5170.7700	41.14	-45.31	31.81	-67.61	-13.00	54.61	187	46	Vertical
3	6894.3600	39.21	-44.10	35.01	-65.14	-13.00	52.14	163	16	Vertical
4	8617.9500	36.65	-41.40	36.49	-63.51	-13.00	50.51	142	181	Vertical
5	10341.5400	33.80	-39.06	38.37	-62.15	-13.00	49.15	236	1	Vertical
6	12065.1300	30.61	-37.44	38.82	-63.27	-13.00	50.27	214	60	Vertical



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Test Band = LTE Band4_ TM1_20MHz

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	41.97	-46.27	28.58	-70.97	-13.00	57.97	115	224	Horizontal
2	5208.2700	40.12	-45.26	31.90	-68.50	-13.00	55.50	142	209	Horizontal
3	6944.3600	39.38	-43.85	35.10	-64.63	-13.00	51.63	163	60	Horizontal
4	8680.4500	38.17	-41.62	36.46	-62.25	-13.00	49.25	169	352	Horizontal
5	10416.5400	33.29	-38.97	38.41	-62.54	-13.00	49.54	231	120	Horizontal
6	12152.6300	31.40	-37.42	38.85	-62.43	-13.00	49.43	145	14	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	41.71	-46.27	28.58	-71.23	-13.00	58.23	152	134	Vertical
2	5208.2700	41.46	-45.26	31.90	-67.16	-13.00	54.16	147	272	Vertical
3	6944.3600	39.30	-43.85	35.10	-64.71	-13.00	51.71	163	134	Vertical
4	8680.4500	36.85	-41.62	36.46	-63.57	-13.00	50.57	251	331	Vertical
5	10416.5400	33.15	-38.97	38.41	-62.68	-13.00	49.68	187	226	Vertical
6	12152.6300	31.34	-37.42	38.85	-62.49	-13.00	49.49	102	120	Vertical



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Test Band = 4A_5A_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4104	42.17	-45.76	29.35	-69.50	-13.00	56.50	111	0	Horizontal
2	5537.25	41.20	-45.18	32.61	-66.63	-13.00	53.63	254	3	Horizontal
3	6335.25	40.68	-44.49	33.77	-65.30	-13.00	52.30	250	60	Horizontal
4	7859.25	40.19	-42.61	36.74	-60.94	-13.00	47.94	145	269	Horizontal
5	9092.25	37.00	-40.40	36.48	-62.19	-13.00	49.19	186	225	Horizontal
6	11230.5	34.39	-37.40	38.72	-59.55	-13.00	46.55	166	180	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4557.75	42.51	-45.69	30.43	-68.01	-13.00	55.01	256	329	Vertical
2	5958	41.29	-44.89	32.69	-66.17	-13.00	53.17	152	300	Vertical
3	7413	40.61	-43.37	36.36	-61.67	-13.00	48.67	142	225	Vertical
4	8850.75	38.71	-41.24	36.37	-61.42	-13.00	48.42	159	342	Vertical
5	10848.75	34.60	-38.22	38.62	-60.26	-13.00	47.26	176	117	Vertical
6	12865.5	33.87	-37.01	39.06	-59.34	-13.00	46.34	311	360	Vertical



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Test Band = 4A_5A_TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5376	41.89	-45.25	32.30	-66.32	-13.00	53.32	145	165	Horizontal
2	7339.5	40.10	-43.62	36.15	-62.63	-13.00	49.63	175	165	Horizontal
3	8849.25	38.39	-41.25	36.38	-61.74	-13.00	48.74	182	239	Horizontal
4	10344.75	36.24	-39.05	38.37	-59.70	-13.00	46.70	195	165	Horizontal
5	11608.5	33.58	-36.91	38.76	-59.82	-13.00	46.82	154	120	Horizontal
6	14193.75	32.65	-35.36	40.98	-56.99	-13.00	43.99	136	46	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3791.25	42.19	-45.88	28.89	-70.06	-13.00	57.06	247	254	Vertical
2	5077.5	41.33	-45.43	31.59	-67.77	-13.00	54.77	184	328	Vertical
3	6283.5	41.05	-44.58	33.61	-65.18	-13.00	52.18	178	285	Vertical
4	7803	39.60	-42.33	36.72	-61.26	-13.00	48.26	185	59	Vertical
5	9329.25	38.18	-40.11	36.93	-60.26	-13.00	47.26	266	352	Vertical
6	10712.25	34.48	-37.97	38.56	-60.19	-13.00	47.19	191	360	Vertical



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Test Band = 4A_5A_TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4923	42.74	-45.56	31.23	-66.84	-13.00	53.84	302	132	Horizontal
2	6631.5	40.87	-44.18	34.54	-64.03	-13.00	51.03	188	329	Horizontal
3	8337.75	39.86	-41.80	36.63	-60.57	-13.00	47.57	172	86	Horizontal
4	9414	37.52	-39.89	37.09	-60.54	-13.00	47.54	254	178	Horizontal
5	12099.75	34.16	-37.34	38.83	-59.61	-13.00	46.61	269	0	Horizontal
6	14490.75	32.48	-34.84	41.10	-56.52	-13.00	43.52	299	163	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4519.5	42.60	-45.70	30.34	-68.02	-13.00	55.02	244	360	Vertical
2	7152.75	39.98	-43.79	35.63	-63.45	-13.00	50.45	174	60	Vertical
3	8230.5	39.10	-42.23	36.68	-61.70	-13.00	48.70	186	283	Vertical
4	9649.5	36.54	-39.56	37.53	-60.74	-13.00	47.74	129	240	Vertical
5	11265.75	34.79	-37.41	38.73	-59.15	-13.00	46.15	153	314	Vertical
6	12104.25	34.30	-37.35	38.83	-59.48	-13.00	46.48	251	269	Vertical



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Test Band = 4A_7A_TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4752	44.01	-45.57	30.85	-65.96	-25.00	40.96	155	233	Horizontal
2	6333.5	43.05	-44.50	33.77	-62.94	-25.00	37.94	168	197	Horizontal
3	8682	40.00	-41.63	36.46	-60.43	-25.00	35.43	172	216	Horizontal
4	9615	37.76	-39.64	37.47	-59.67	-25.00	34.67	142	144	Horizontal
5	11733	35.42	-36.95	38.77	-58.02	-25.00	33.02	186	1	Horizontal
6	14497	34.51	-34.84	41.10	-54.49	-25.00	29.49	236	36	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4035	43.35	-45.94	29.18	-68.67	-25.00	43.67	241	251	Vertical
2	4894.5	44.01	-45.53	31.17	-65.61	-25.00	40.61	118	142	Vertical
3	6259	41.86	-44.63	33.53	-64.50	-25.00	39.50	175	360	Vertical
4	7661	41.42	-43.05	36.66	-60.22	-25.00	35.22	100	352	Vertical
5	9792	37.94	-39.48	37.80	-58.99	-25.00	33.99	261	3	Vertical
6	12509.5	35.96	-37.01	38.95	-57.36	-25.00	32.36	332	358	Vertical



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Test Band = 4A_7A_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.5	43.27	-45.27	32.48	-64.78	-25.00	39.78	211	289	Horizontal
2	6735.5	42.76	-43.94	34.72	-61.71	-25.00	36.71	174	218	Horizontal
3	7426.5	42.60	-43.34	36.39	-59.60	-25.00	34.60	185	109	Horizontal
4	8710.5	40.56	-41.64	36.44	-59.90	-25.00	34.90	196	272	Horizontal
5	9909.5	37.87	-39.32	38.03	-58.68	-25.00	33.68	156	234	Horizontal
6	11845.5	35.57	-37.01	38.78	-57.92	-25.00	32.92	143	90	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4479	44.02	-45.73	30.25	-66.72	-25.00	41.72	236	142	Vertical
2	5677.5	42.79	-44.90	32.64	-64.73	-25.00	39.73	122	35	Vertical
3	6698.5	42.86	-43.82	34.66	-61.56	-25.00	36.56	154	142	Vertical
4	8050	40.52	-41.86	36.78	-59.82	-25.00	34.82	147	35	Vertical
5	9641	38.06	-39.58	37.52	-59.26	-25.00	34.26	169	3	Vertical
6	11848.5	35.89	-37.02	38.78	-57.60	-25.00	32.60	182	35	Vertical



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Test Band = 4A_7A_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4141	44.48	-45.76	29.44	-67.11	-25.00	42.11	244	0	Horizontal
2	5377.5	42.94	-45.25	32.31	-65.27	-25.00	40.27	185	17	Horizontal
3	6486	42.61	-44.58	34.26	-62.98	-25.00	37.98	122	7	Horizontal
4	6969.5	42.31	-43.72	35.15	-61.52	-25.00	36.52	265	0	Horizontal
5	9194	38.68	-40.26	36.67	-60.17	-25.00	35.17	199	270	Horizontal
6	11553.5	35.26	-37.09	38.76	-58.34	-25.00	33.34	152	215	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4875.5	44.31	-45.53	31.13	-65.36	-25.00	40.36	163	359	Vertical
2	6506	42.82	-44.59	34.31	-62.72	-25.00	37.72	256	91	Vertical
3	8349.5	41.42	-41.73	36.63	-58.95	-25.00	33.95	184	198	Vertical
4	9301.5	39.63	-40.21	36.87	-58.97	-25.00	33.97	175	215	Vertical
5	11241.5	37.48	-37.40	38.72	-56.46	-25.00	31.46	199	360	Vertical
6	13716.5	36.27	-36.20	40.39	-54.80	-25.00	29.80	166	307	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-2.30	-0.001328	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	0.00	0.000000	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.70	-0.000404	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.60	-0.000346	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.50	-0.000866	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.40	-0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-0.60	-0.000346	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-0.80	-0.000462	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-1.90	-0.001097	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.60	-0.000924	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-2.60	-0.001501	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.20	-0.000693	PASS

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