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Appendix B.2

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.98	25.18	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.08	25.28	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.97	25.17	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.02	24.22	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.63	24.83	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.98	25.18	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.95	25.15	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.99	24.19	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.85	25.05	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.07	25.27	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.92	25.12	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.93	24.13	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.09	24.29	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.07	24.27	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.11	24.31	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.05	23.25	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22	24.2	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.06	24.26	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.08	24.28	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.03	23.23	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.97	24.17	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.02	24.22	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.03	24.23	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.91	23.11	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.07	23.27	30	PASS



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Band4	1.4MHz	64QAM	19957	1RB#2	21.22	23.42	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.2	23.4	30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.08	22.28	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.95	23.15	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.03	23.23	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.11	23.31	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.04	22.24	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.94	23.14	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.25	23.45	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.03	23.23	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.92	22.12	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	18.13	20.33	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	18.15	20.35	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	18.17	20.37	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	17.95	20.15	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	18.1	20.3	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	17.96	20.16	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	17.93	20.13	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	18.03	20.23	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	17.91	20.11	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	18.1	20.3	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	17.89	20.09	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	17.92	20.12	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.93	25.13	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.03	25.23	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.05	25.25	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.12	24.32	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.45	24.65	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.04	25.24	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.97	25.17	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.98	24.18	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.98	25.18	30	PASS



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Band4	3MHz	QPSK	20385	1RB#14	22.9	25.1	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.01	24.21	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.93	24.13	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.14	24.34	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.99	24.19	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.02	23.22	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.96	24.16	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.17	24.37	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.13	24.33	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.97	23.17	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.09	24.29	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.08	24.28	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.07	24.27	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.95	23.15	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.06	23.26	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.25	23.45	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.08	23.28	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.1	22.3	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.94	23.14	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.28	23.48	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.03	23.23	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.1	22.3	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.97	23.17	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.15	23.35	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.14	23.34	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.94	22.14	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	17.99	20.19	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	18.03	20.23	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	18.1	20.3	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	18.08	20.28	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	18.09	20.29	30	PASS



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Band4	3MHz	256QAM	20175	1RB#14	17.92	20.12	30	PASS
Band4	3MHz	256QAM	20175	15RB#0	18	20.2	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	18	20.2	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	18.09	20.29	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	18	20.2	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	17.95	20.15	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.96	25.16	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.02	25.22	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23	25.2	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.08	24.28	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.74	24.94	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.07	25.27	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.96	25.16	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.11	24.31	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.58	24.78	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.01	25.21	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.98	25.18	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.9	24.1	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.98	24.18	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.32	24.52	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.26	24.46	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.1	23.3	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.17	24.37	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.43	24.63	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.02	24.22	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.04	23.24	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.97	24.17	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.09	24.29	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.04	24.24	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.91	23.11	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.14	23.34	30	PASS



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Band4	5MHz	64QAM	19975	1RB#24	21.32	23.52	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.02	22.22	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.17	23.37	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.27	23.47	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.17	23.37	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.98	22.18	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.01	23.21	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.3	23.5	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.01	23.21	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.93	22.13	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	18.12	20.32	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	18.15	20.35	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	18.03	20.23	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	18.07	20.27	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	18	20.2	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	18.29	20.49	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	18.04	20.24	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	18.02	20.22	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	17.94	20.14	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	18.18	20.38	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	18.02	20.22	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	17.9	20.1	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.02	25.22	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.08	25.28	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.17	25.37	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.08	24.28	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.63	24.83	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.12	25.32	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.98	25.18	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.07	24.27	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.41	24.61	30	PASS



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Band4	10MHz	QPSK	20350	1RB#49	22.89	25.09	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.04	24.24	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.17	24.37	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.16	24.36	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.12	24.32	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.12	23.32	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.06	24.26	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.23	24.43	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.17	24.37	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.06	23.26	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.08	24.28	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.11	24.31	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.11	24.31	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.06	23.26	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.12	23.32	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.19	23.39	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.57	23.77	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.05	22.25	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	21	23.2	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.33	23.53	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.32	23.52	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.07	22.27	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.08	23.28	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.11	23.31	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.07	23.27	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.98	22.18	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	18.06	20.26	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	18.18	20.38	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	18.01	20.21	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	18.04	20.24	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	18.2	20.4	30	PASS



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Band4	10MHz	256QAM	20175	1RB#24	18.17	20.37	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	18.11	20.31	30	PASS
Band4	10MHz	256QAM	20175	50RB#0	18.09	20.29	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	18.02	20.22	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	18.08	20.28	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	17.89	20.09	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	17.99	20.19	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.74	24.94	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.83	25.03	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23	25.2	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.9	24.1	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.57	24.77	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.75	24.95	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.01	25.21	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.9	24.1	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.63	24.83	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.93	25.13	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.05	25.25	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.92	24.12	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.84	24.04	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.98	24.18	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.07	24.27	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.9	23.1	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.87	24.07	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.97	24.17	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.98	24.18	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.91	23.11	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.84	24.04	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.08	24.28	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.1	24.3	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.91	23.11	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.04	23.24	30	PASS



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Band4	15MHz	64QAM	20025	1RB#38	20.99	23.19	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.12	23.32	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.91	22.11	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.96	23.16	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.19	23.39	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.28	23.48	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.89	22.09	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.77	22.97	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	21	23.2	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.17	23.37	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.84	22.04	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	17.83	20.03	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	18.16	20.36	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	17.84	20.04	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	17.92	20.12	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	18.02	20.22	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	17.98	20.18	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	18.05	20.25	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	17.89	20.09	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	17.68	19.88	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	17.83	20.03	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	18.08	20.28	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	17.83	20.03	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.79	24.99	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.8	25	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.93	25.13	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.87	24.07	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.41	24.61	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.8	25	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.9	25.1	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.89	24.09	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.23	24.43	30	PASS



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Band4	20MHz	QPSK	20300	1RB#99	22.87	25.07	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.77	23.97	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.84	24.04	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.13	24.33	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.06	24.26	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.89	23.09	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.69	23.89	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.1	24.3	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.95	24.15	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.9	23.1	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.11	24.31	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.88	24.08	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.88	24.08	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.78	22.98	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.99	23.19	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.78	22.98	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.14	23.34	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.88	22.08	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.8	23	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.9	23.1	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.97	23.17	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.91	22.11	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.81	23.01	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.97	23.17	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.06	23.26	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.81	22.01	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	17.77	19.97	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	17.84	20.04	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	17.92	20.12	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.87	20.07	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	17.88	20.08	30	PASS



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Band4	20MHz	256QAM	20175	1RB#49	17.93	20.13	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	18.11	20.31	30	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.9	20.1	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	17.76	19.96	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	17.96	20.16	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	18.09	20.29	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.79	19.99	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	5.66	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.64	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.60	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.46	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.50	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.52	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.86	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.94	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.94	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	7.04	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	7.04	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	7.08	13	PASS



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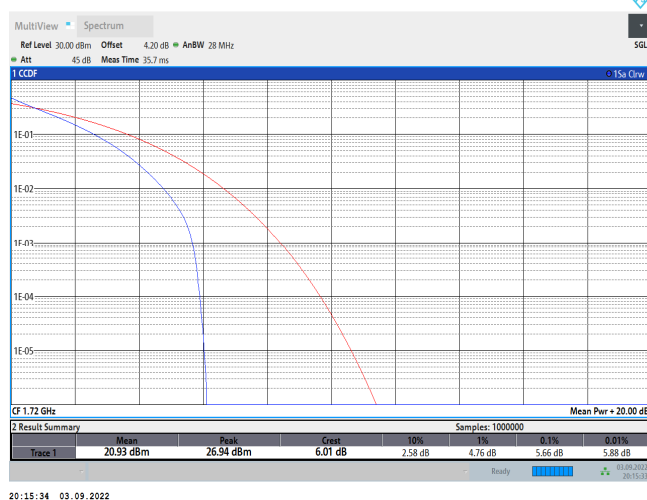
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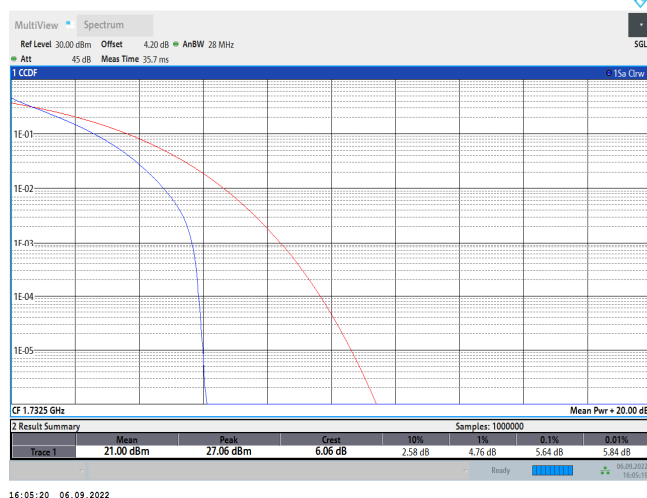
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Test Graphs

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



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



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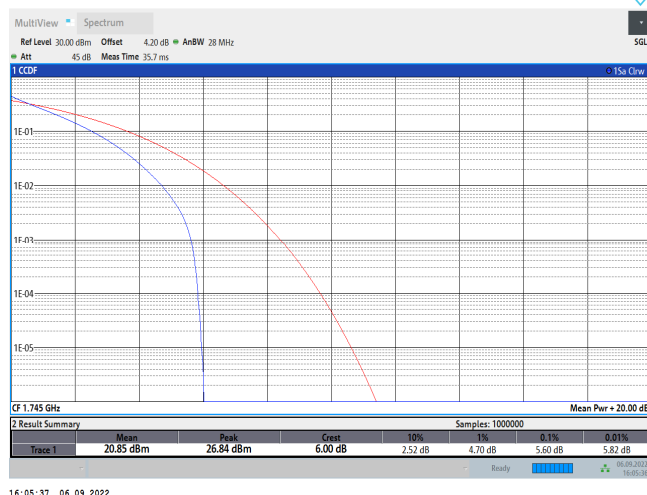
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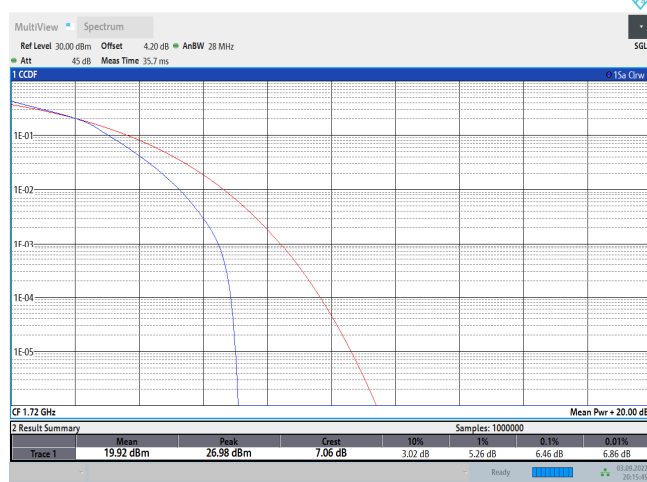
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Band4-20MHz-QPSK-20300-100RB#0



16:05:37 06.09.2022

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



20:15:50 03.09.2022



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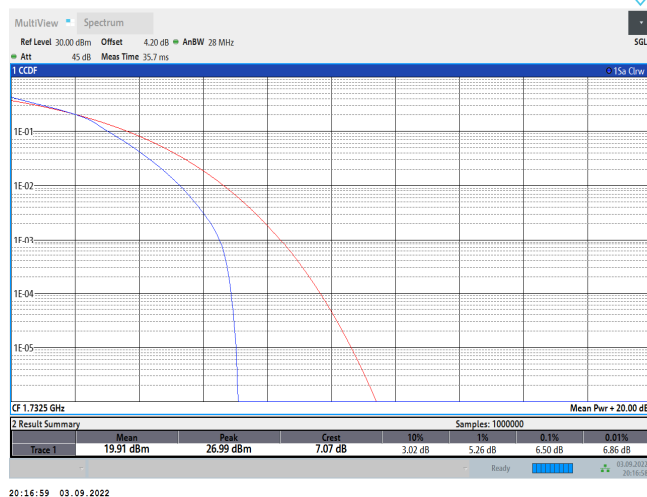
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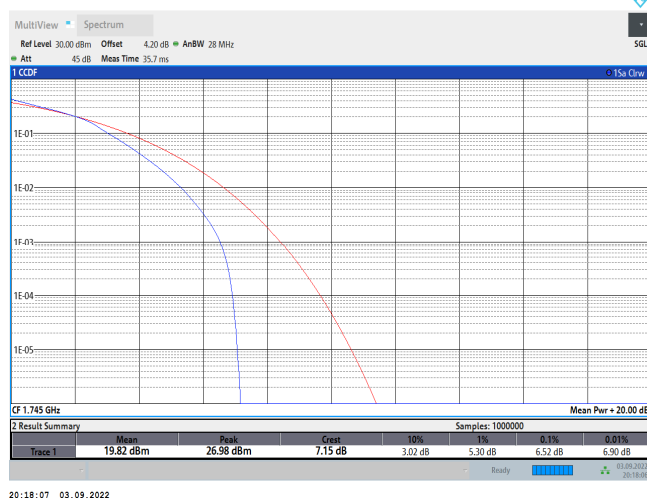
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Band4-20MHz-16QAM-20175-100RB#0



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



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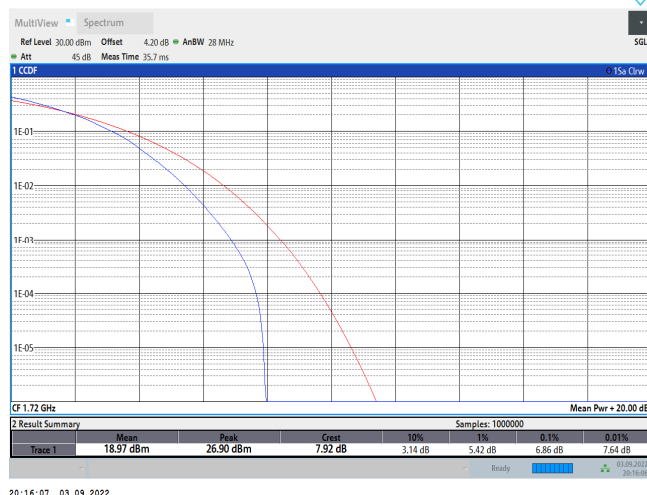
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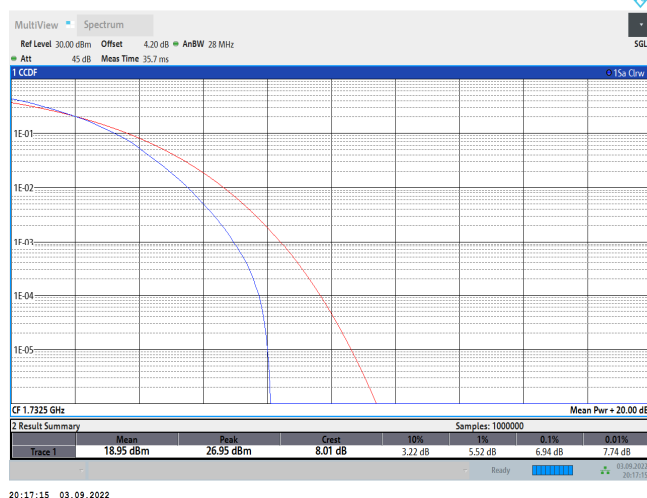
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Band4-20MHz-64QAM-20050-100RB#0



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



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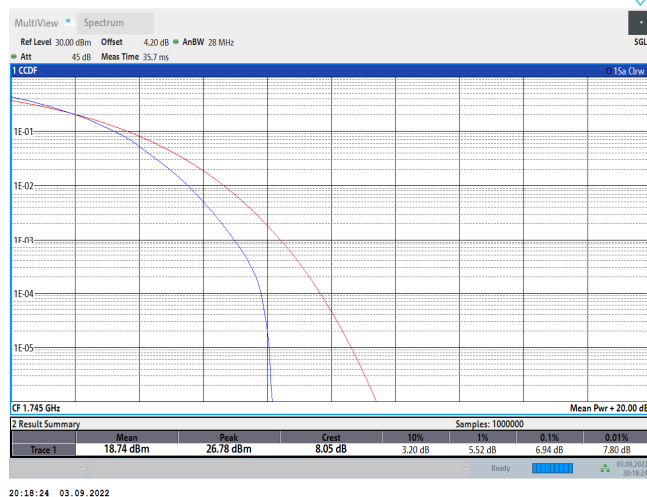
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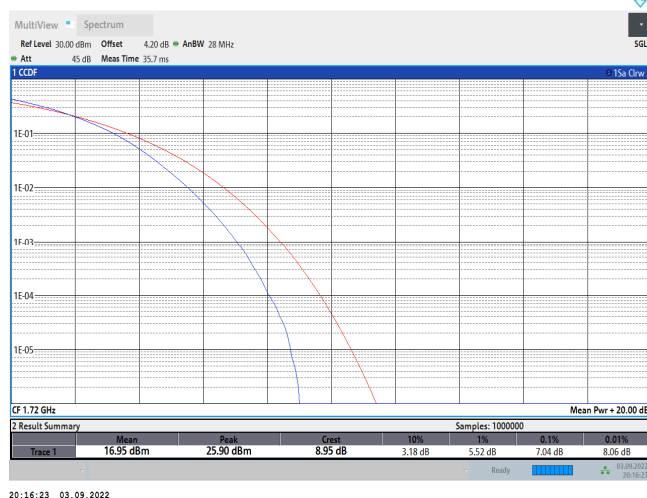
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Band4-20MHz-64QAM-20300-100RB#0



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



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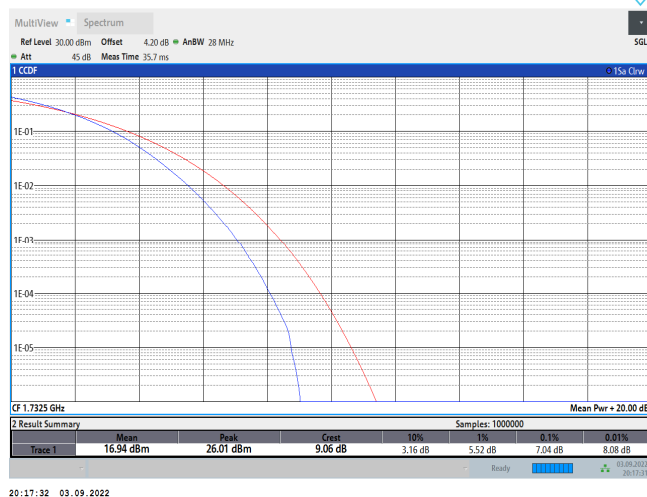
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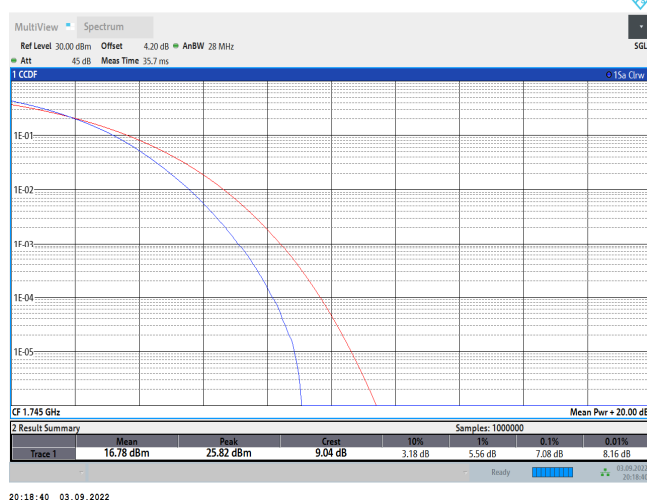
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Band4-20MHz-256QAM-20175-100RB#0



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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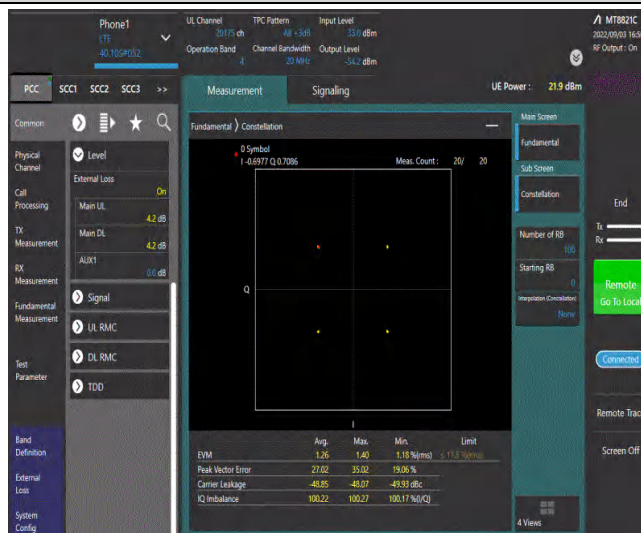
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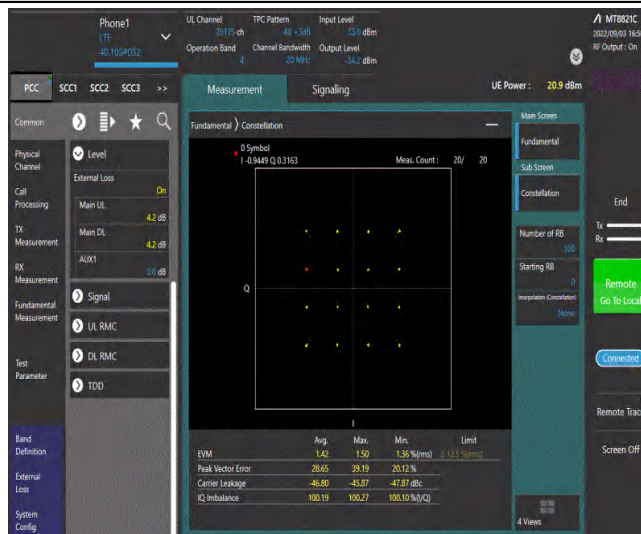
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Test Graphs

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



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



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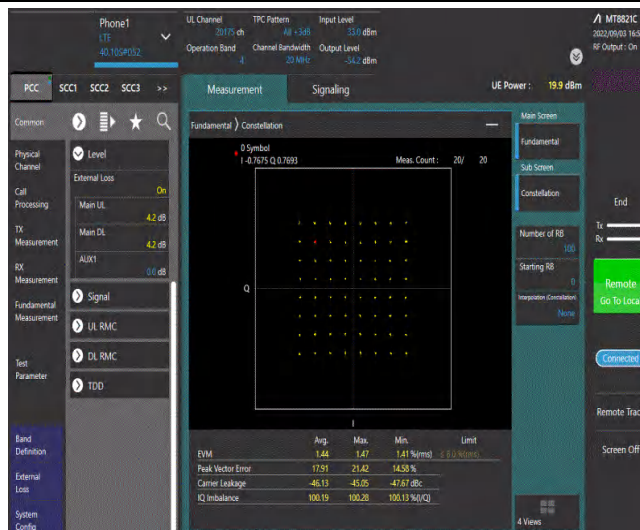
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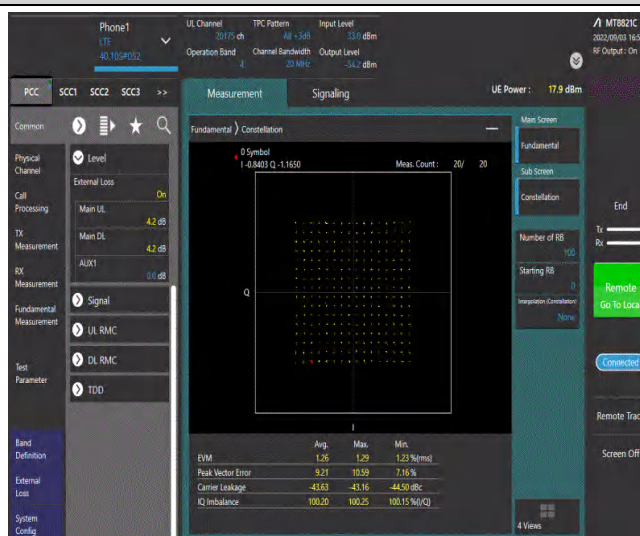
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.109	1.37	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.104	1.37	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.105	1.37	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.106	1.38	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.106	1.39	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.105	1.39	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.107	1.38	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.108	1.38	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.109	1.40	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.111	1.41	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.106	1.37	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.112	1.40	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.698	3.05	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.695	3.04	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.699	3.05	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.694	3.08	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	2.693	3.02	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.699	3.08	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.702	3.05	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.699	3.05	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.7	3.06	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.697	3.05	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.473	5.07	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.473	5.01	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.47	5.03	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.484	5.06	PASS



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Band4	5MHz	16QAM	20175	25RB#0	4.478	5.10	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.476	5.05	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.481	5.04	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.48	5.06	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.473	5.04	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.477	5.04	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.482	5.07	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.477	5.07	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.95	9.80	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.936	9.84	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.953	9.96	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.933	9.80	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.939	9.84	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.936	9.80	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.944	9.88	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.948	9.92	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.935	9.76	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.946	9.88	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.954	9.88	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.948	9.86	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.482	14.97	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.484	15.03	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.506	15.18	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.48	15.09	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.491	14.85	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.475	14.94	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.486	15.06	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.48	14.94	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.506	14.94	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.487	14.88	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.476	14.97	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.49	14.97	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.932	19.64	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.924	19.72	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.913	19.72	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.935	19.88	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.927	19.64	PASS



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Band4	20MHz	16QAM	20300	100RB#0	17.944	19.72	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.89	19.68	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.915	19.76	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.899	19.52	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.91	19.56	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.901	19.68	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.904	19.64	PASS



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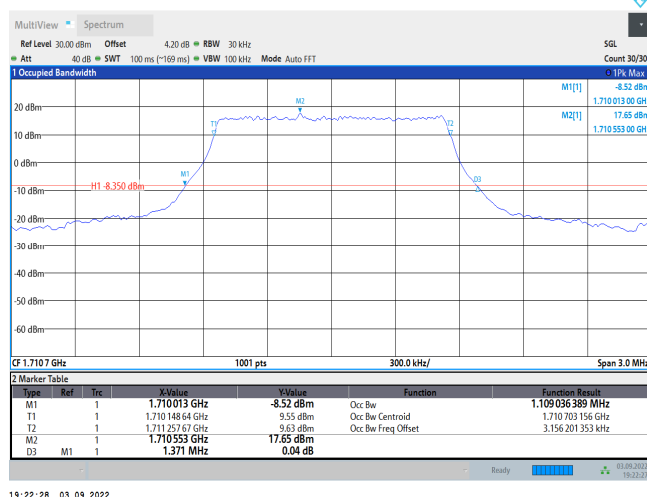
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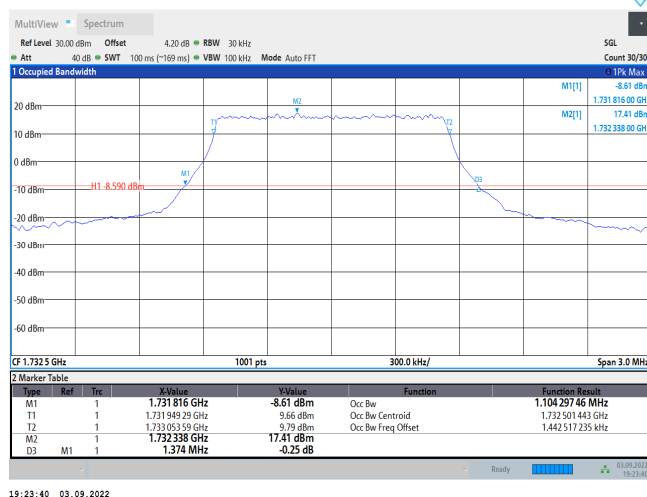
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Test Graphs

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



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



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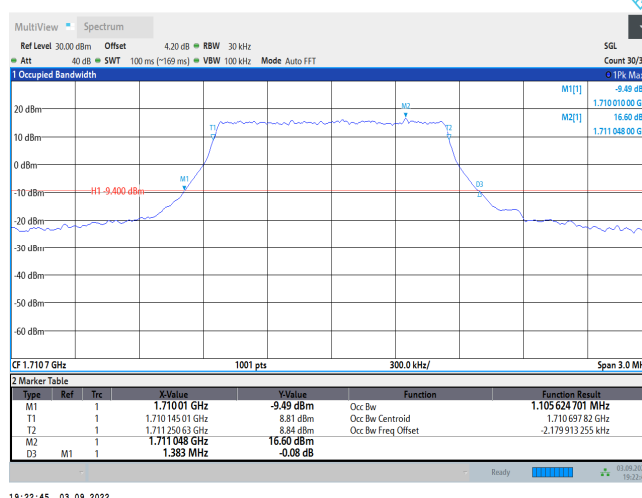
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Band4-1.4MHz-QPSK-20393-6RB#0



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



19:22:45 03.09.2022



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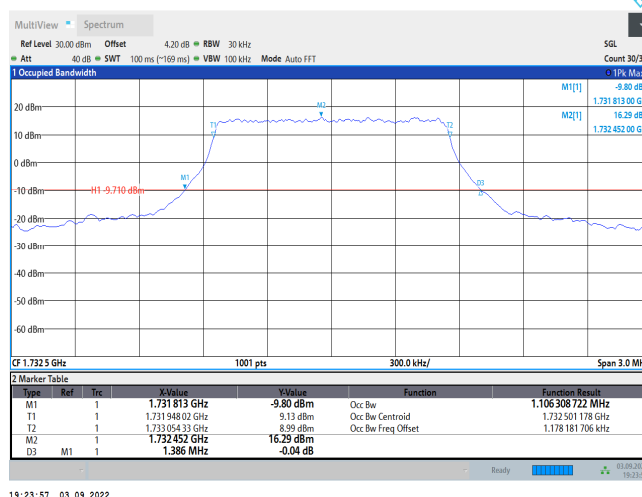
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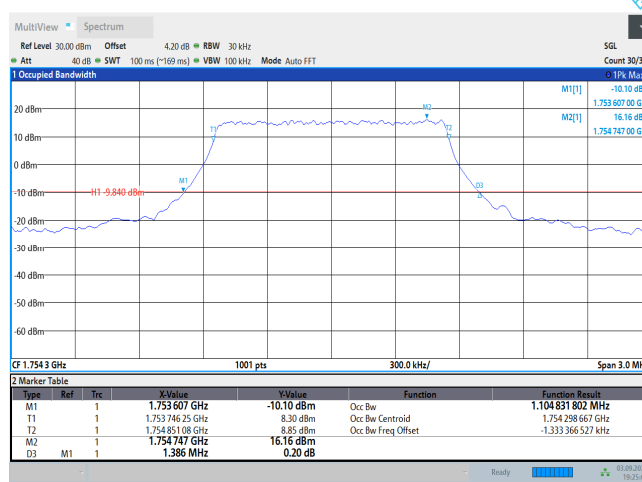
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19:23:57 03.09.2022

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



19:25:09 03.09.2022



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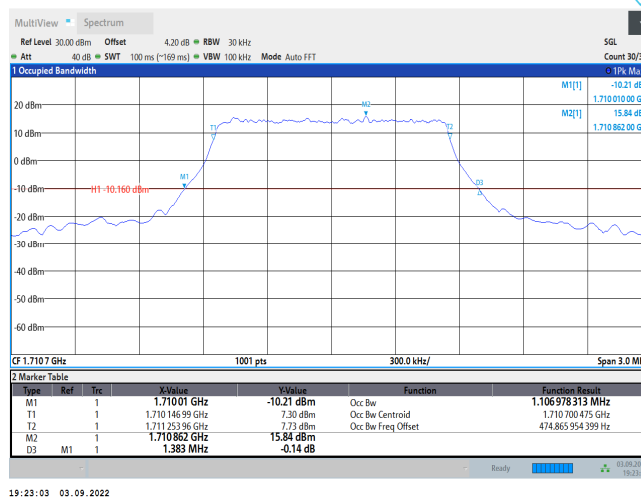
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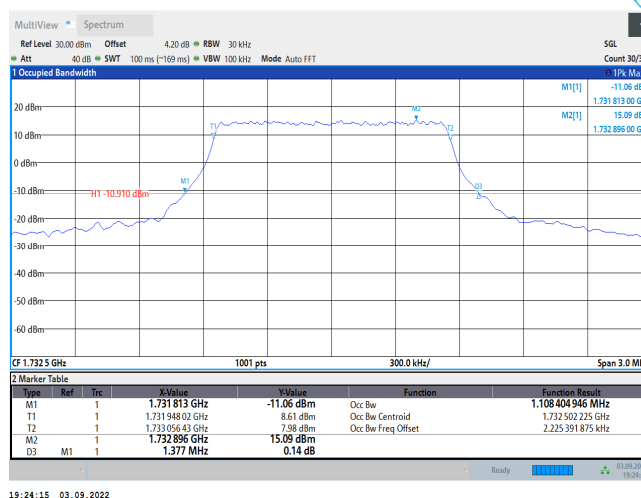
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Band4-1.4MHz-64QAM-20175-6RB#0



19:24:15 03.09.2022



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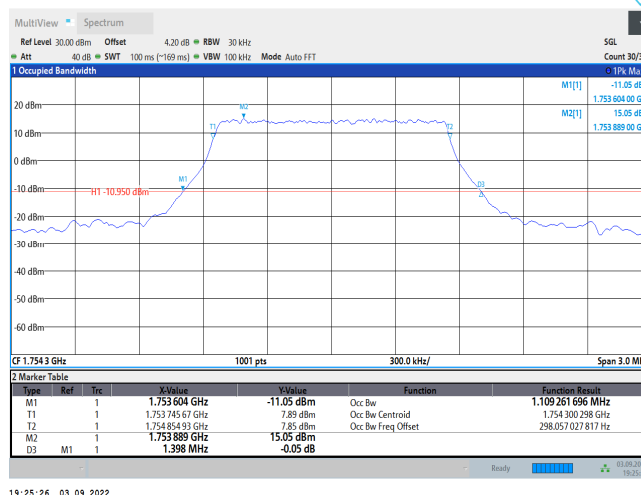
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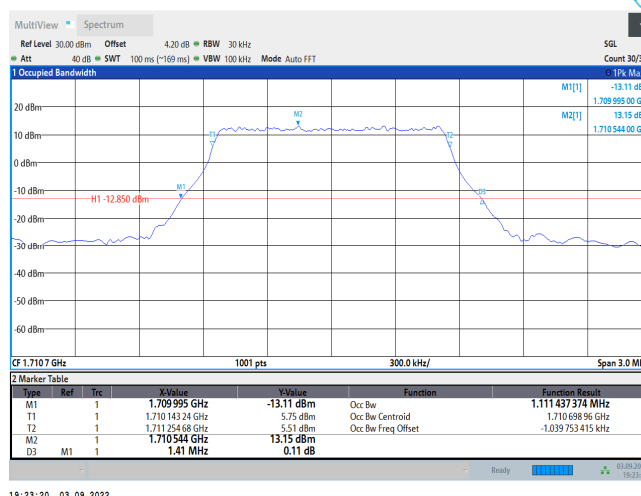
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Band4-1.4MHz-64QAM-20393-6RB#0



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



19:23:20 03.09.2022



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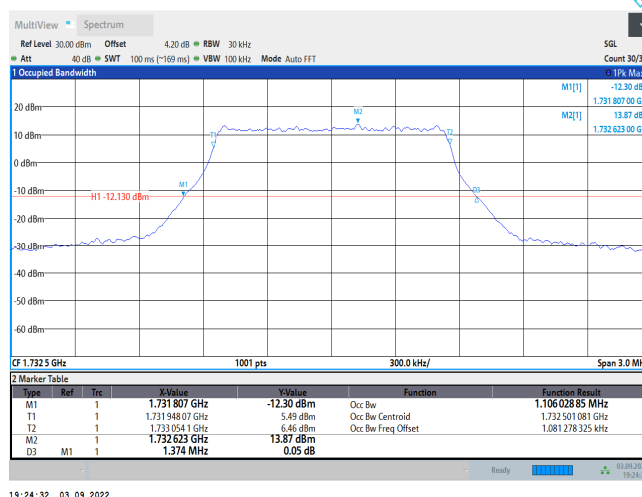
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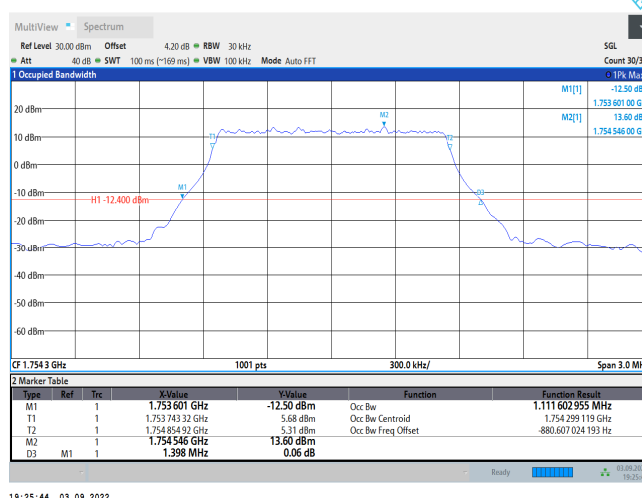
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Band4-1.4MHz-256QAM-20393-6RB#0



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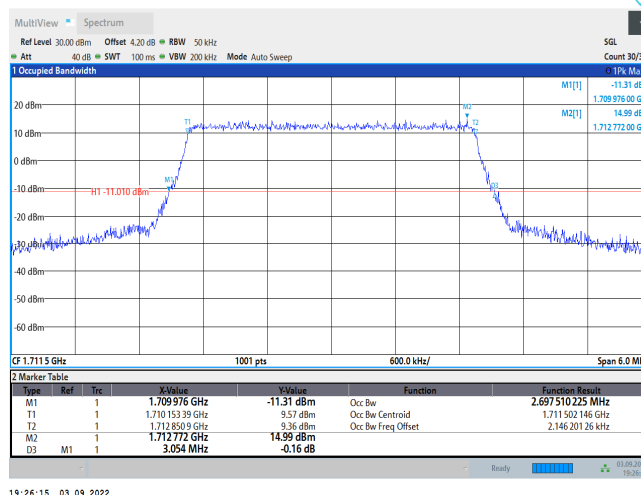
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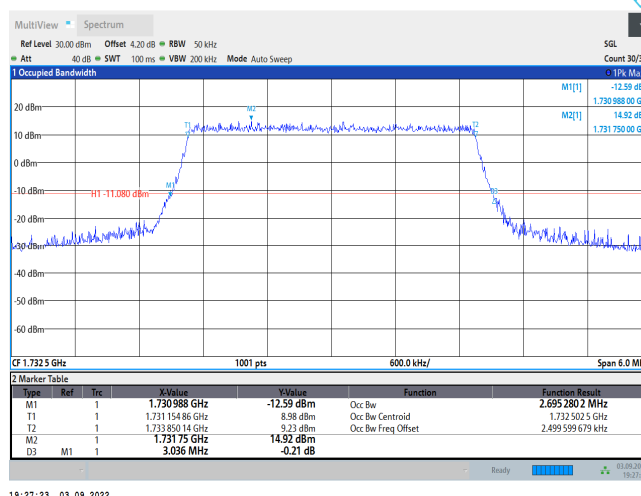
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Band4-3MHz-QPSK-19965-15RB#0



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19:27:23 03.09.2022



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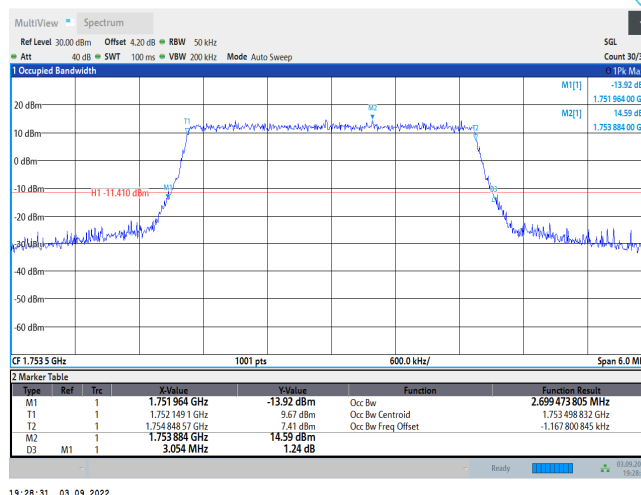
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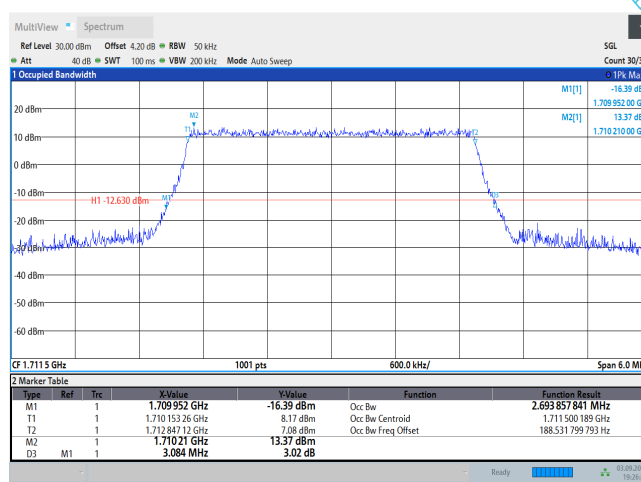
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Band4-3MHz-QPSK-20385-15RB#0



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



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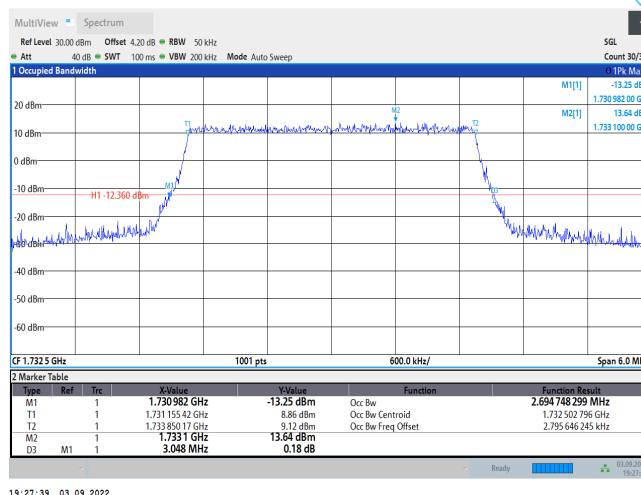
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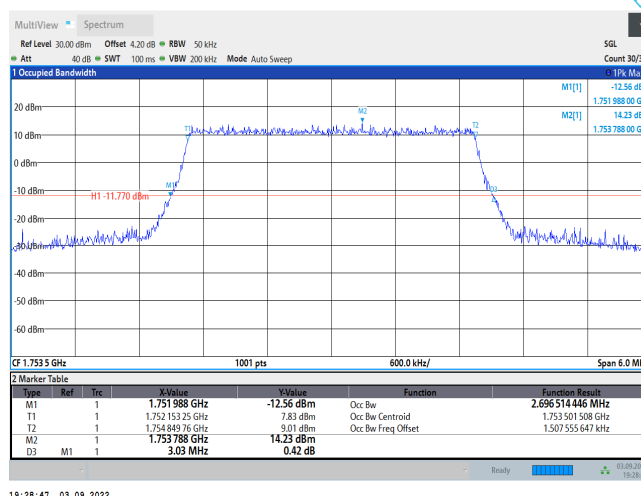
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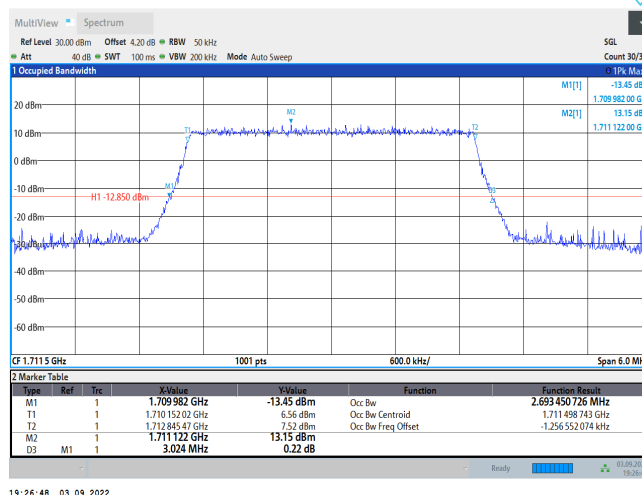
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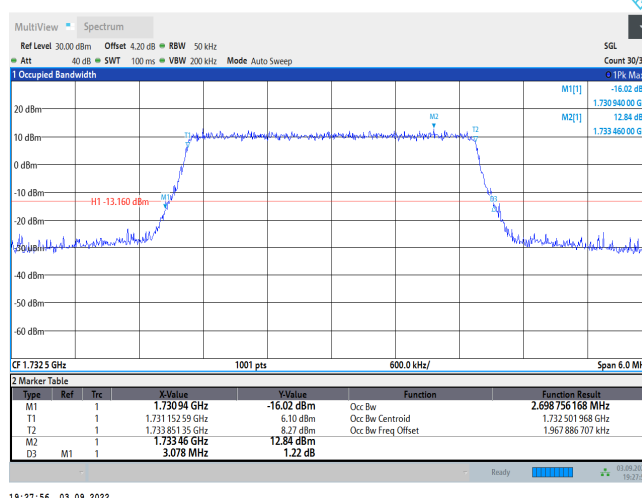
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Band4-3MHz-64QAM-20175-15RB#0



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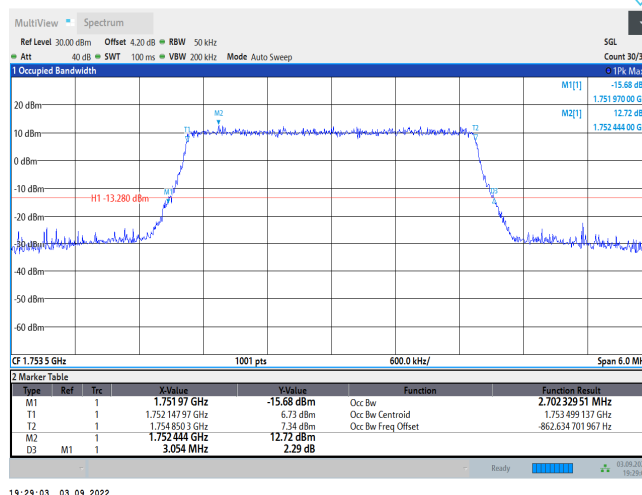
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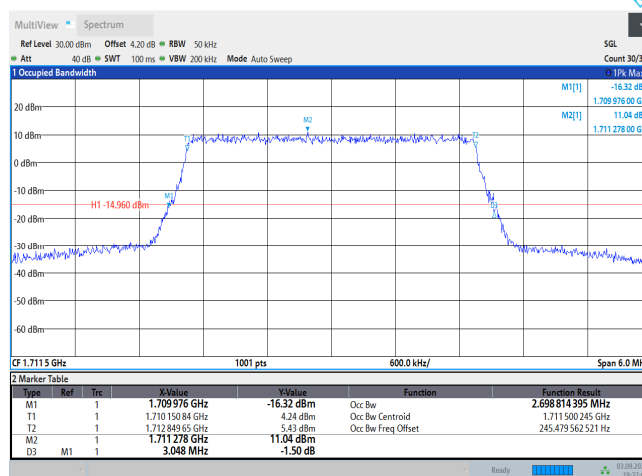
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19:29:03 03.09.2022

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19:27:04 03.09.2022



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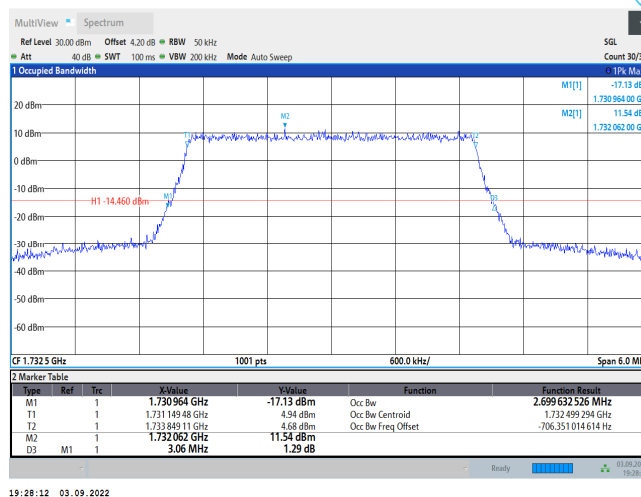
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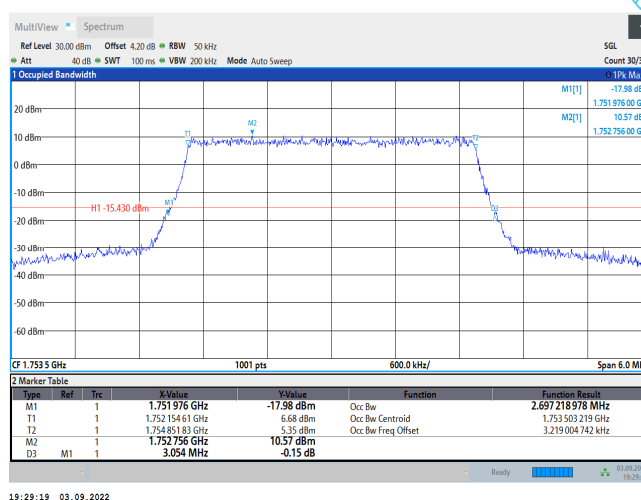
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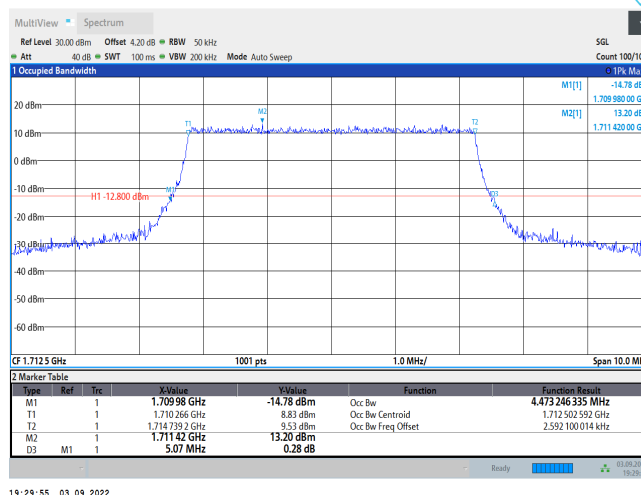
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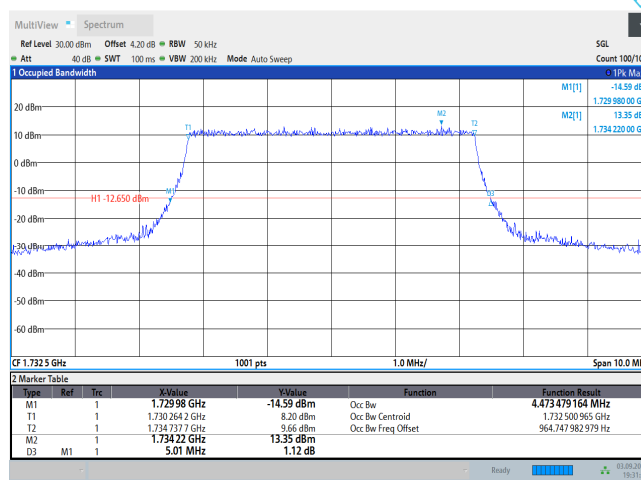
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Band4-5MHz-QPSK-20175-25RB#0



19:31:31 03.09.2022



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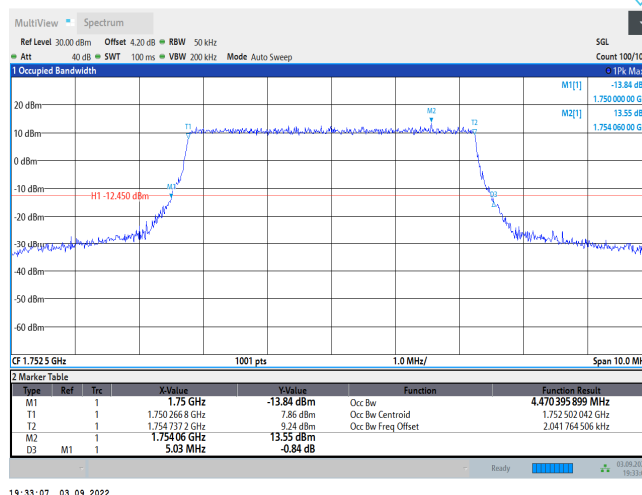
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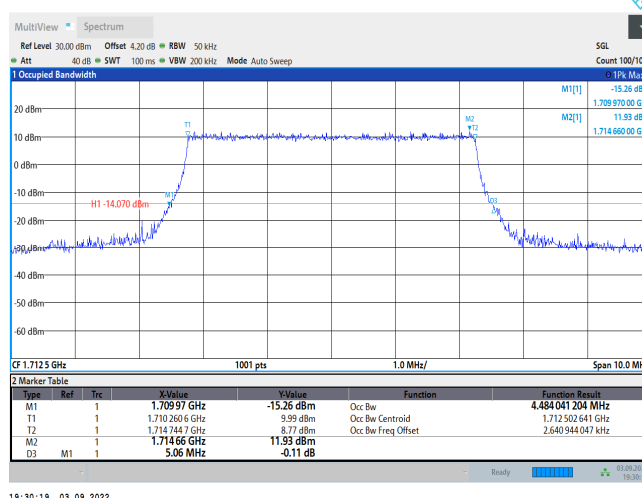
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Band4-5MHz-QPSK-20375-25RB#0



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



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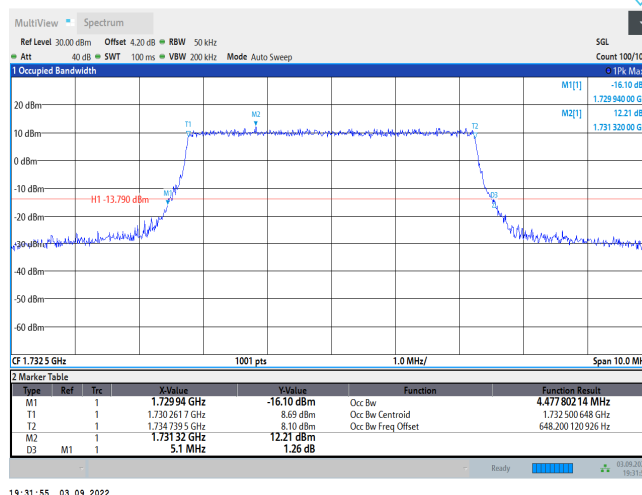
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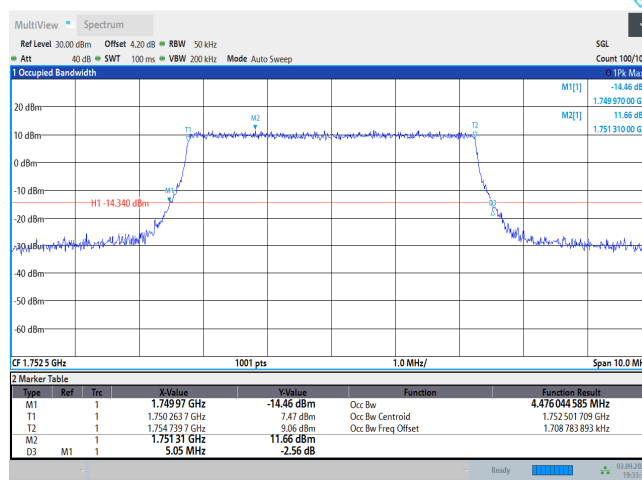
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Band4-5MHz-16QAM-20375-25RB#0



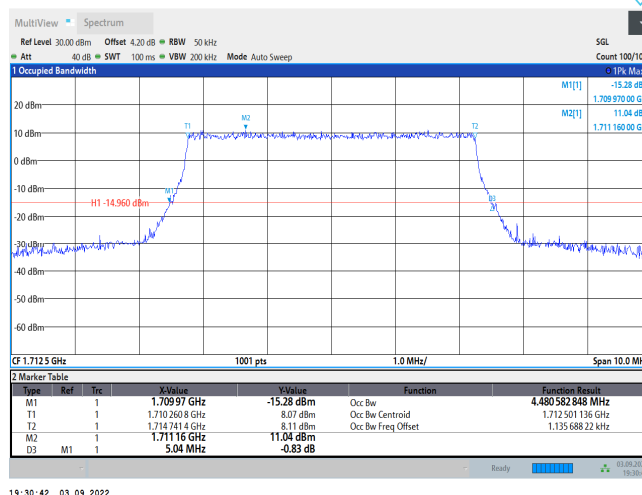
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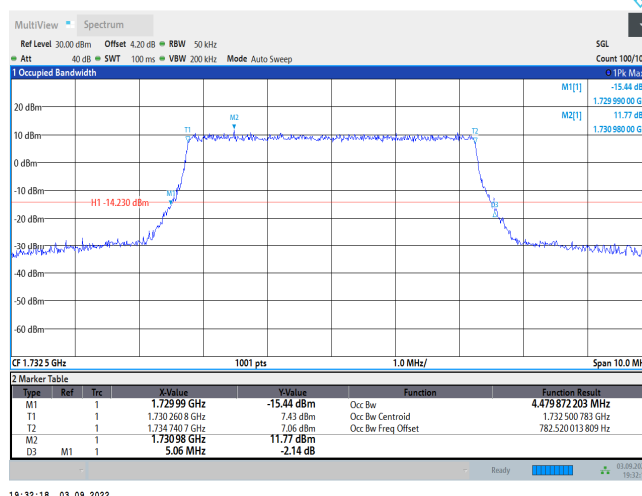
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Band4-5MHz-64QAM-20175-25RB#0



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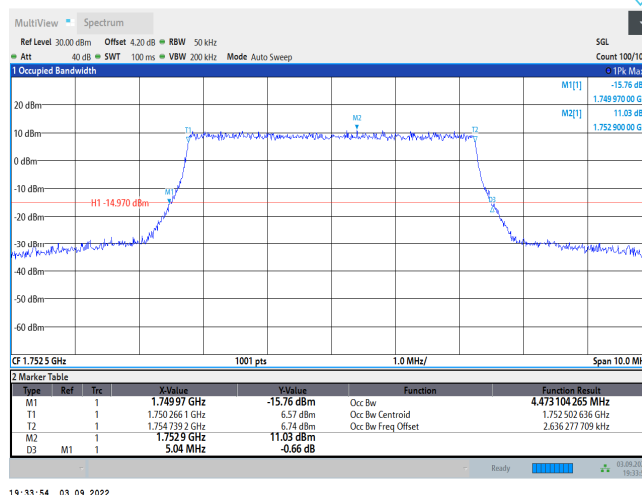
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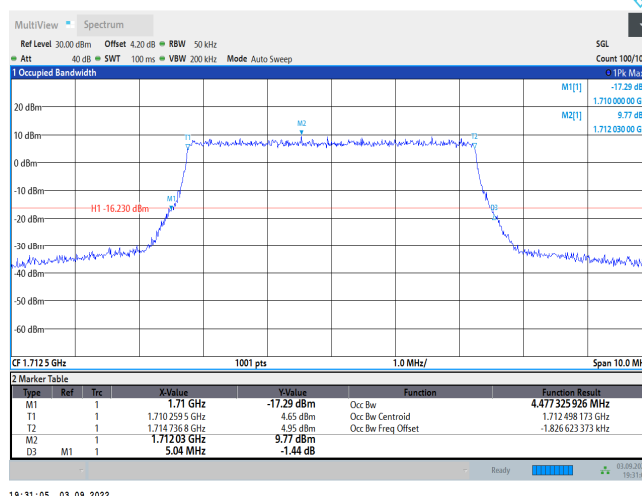
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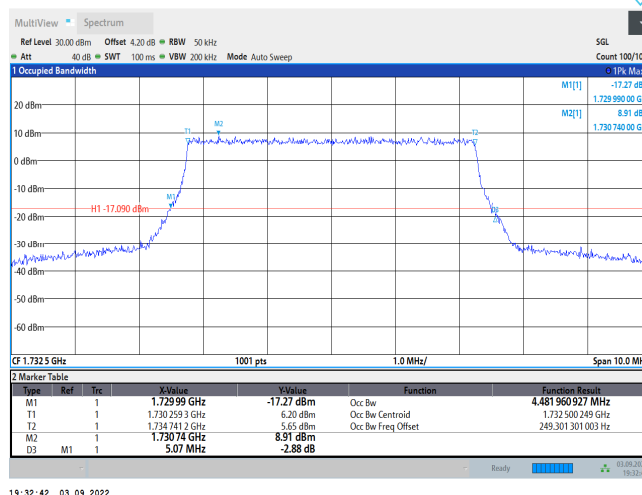
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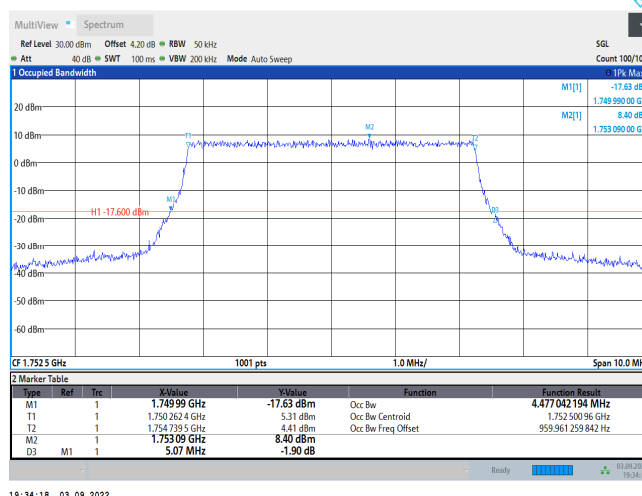
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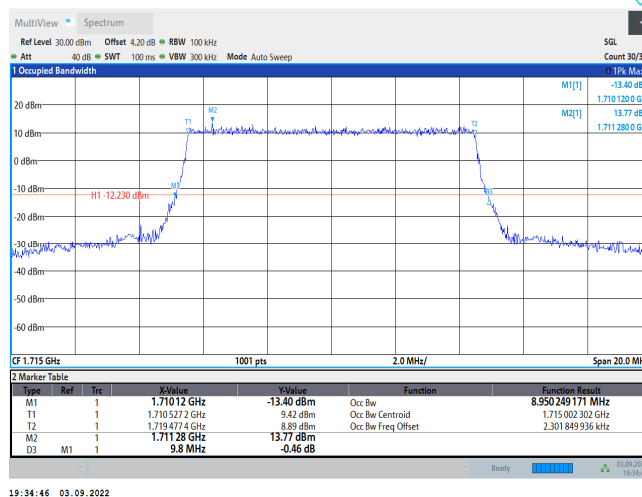
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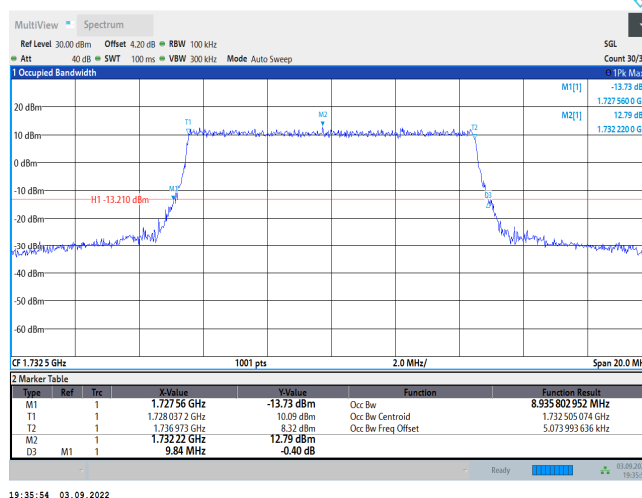
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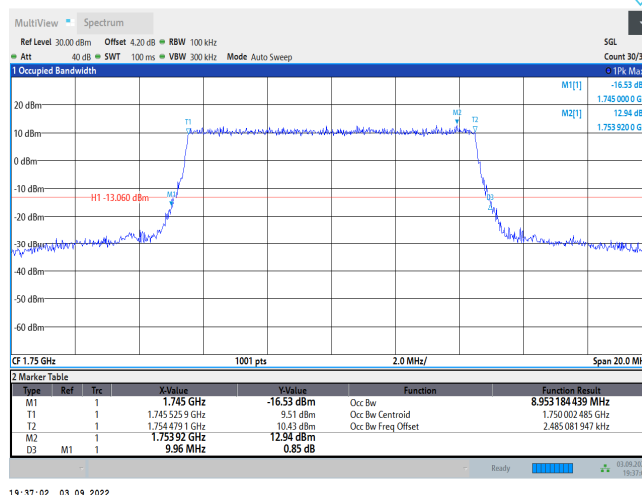


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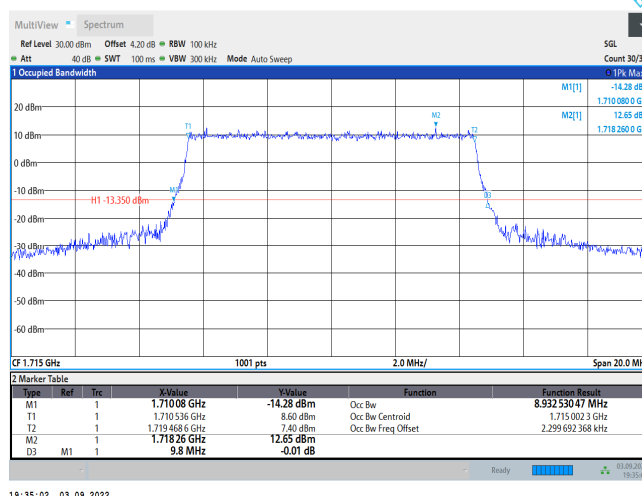
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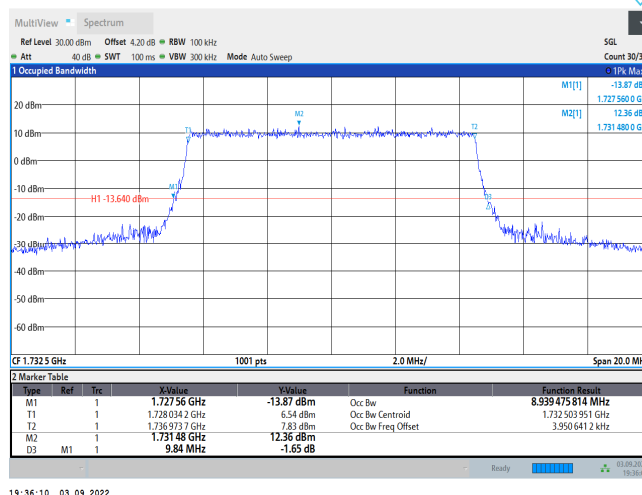


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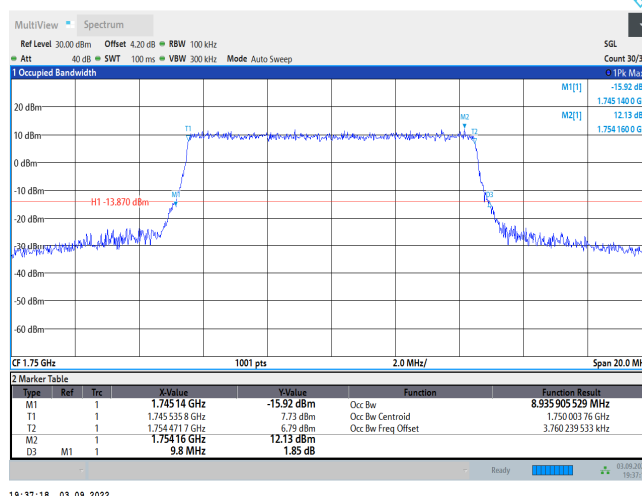
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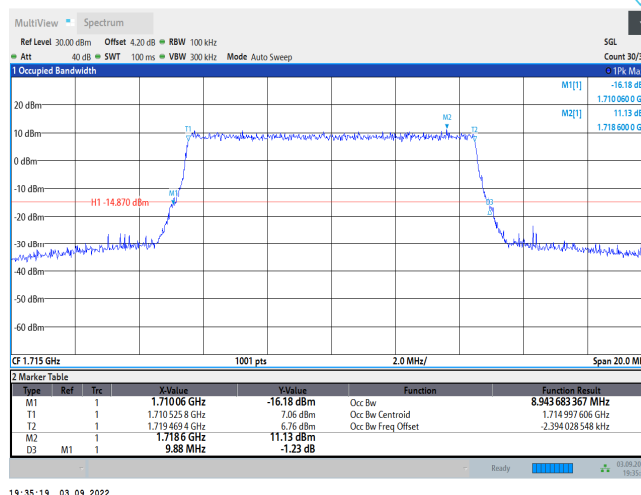
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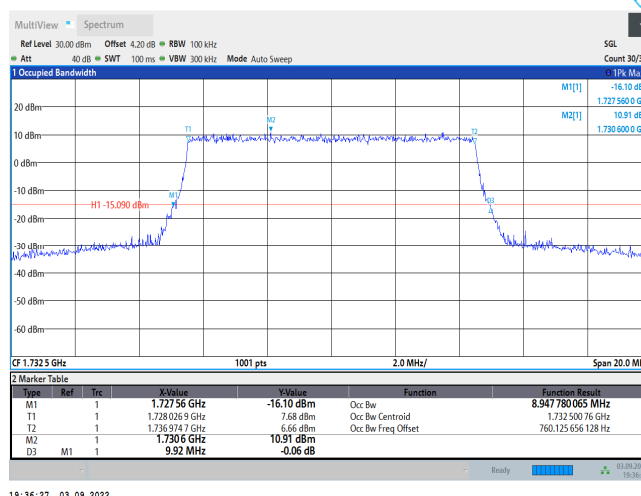
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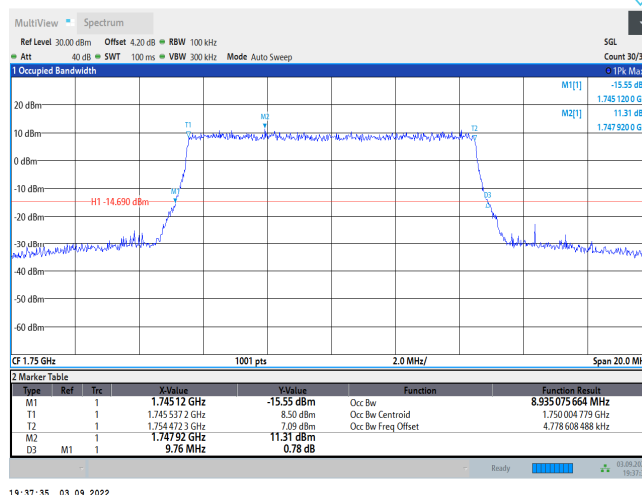
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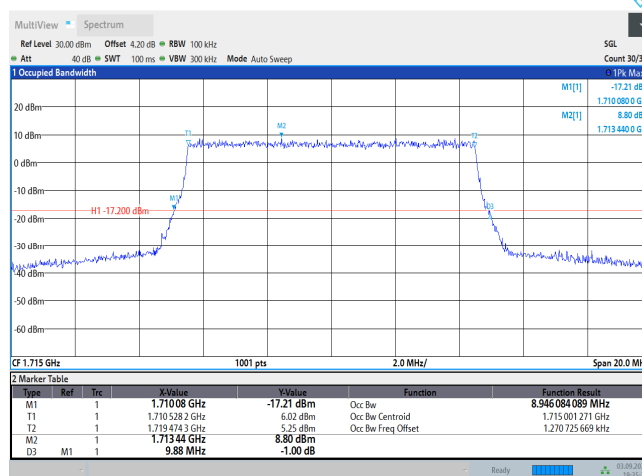
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Band4-10MHz-256QAM-20000-50RB#0



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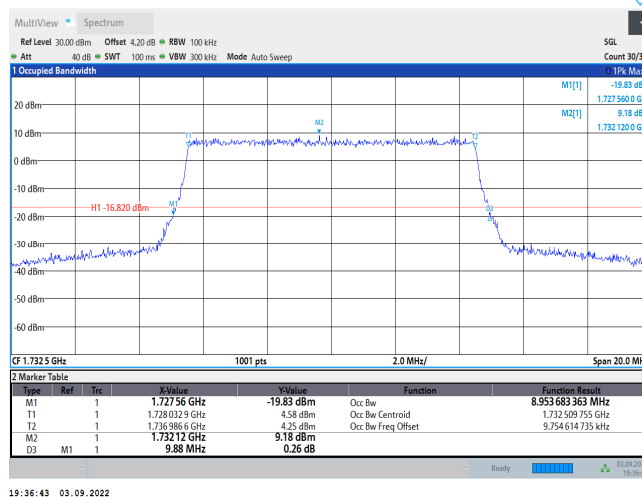
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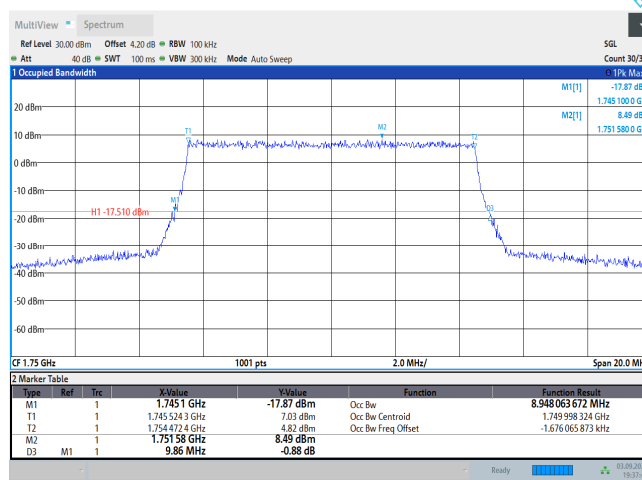
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Band4-10MHz-256QAM-20175-50RB#0



19:36:43 03.09.2022

Band4-10MHz-256QAM-20350-50RB#0



19:37:50 03.09.2022



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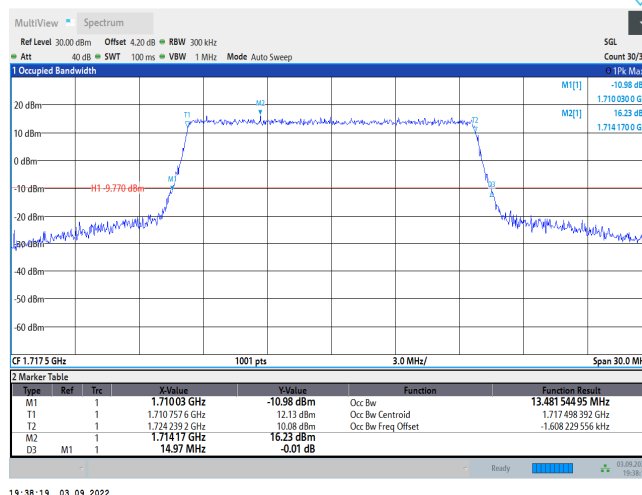
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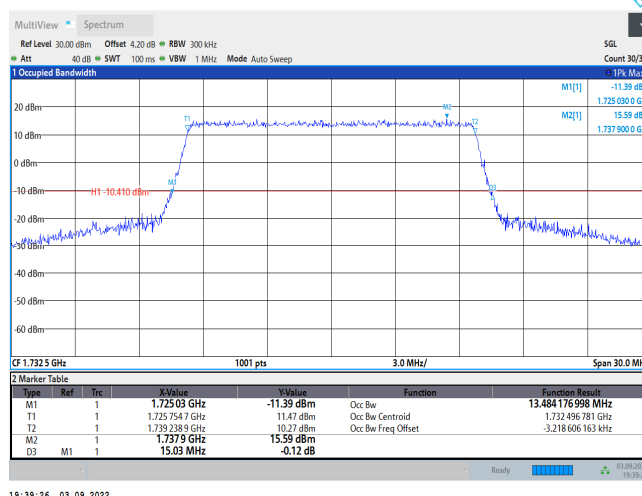
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Band4-15MHz-QPSK-20175-75RB#0



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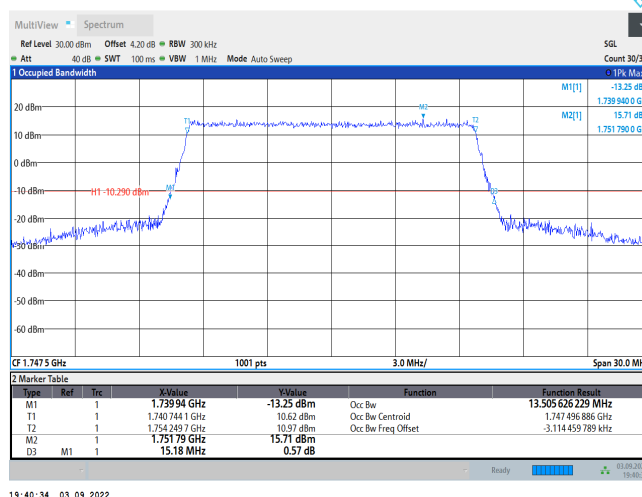
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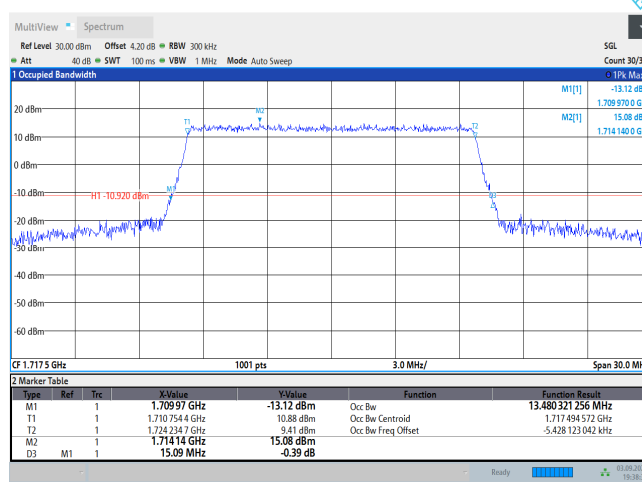
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Band4-15MHz-16QAM-20025-75RB#0



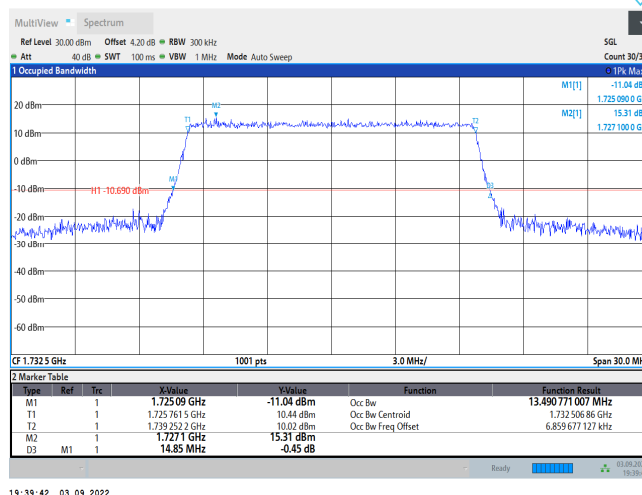
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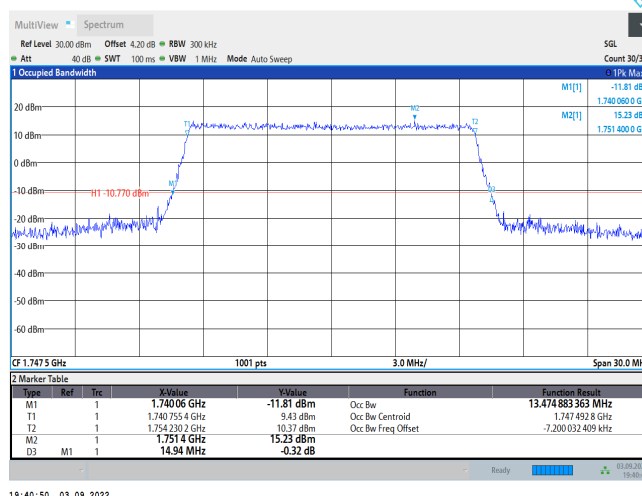
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Band4-15MHz-16QAM-20325-75RB#0



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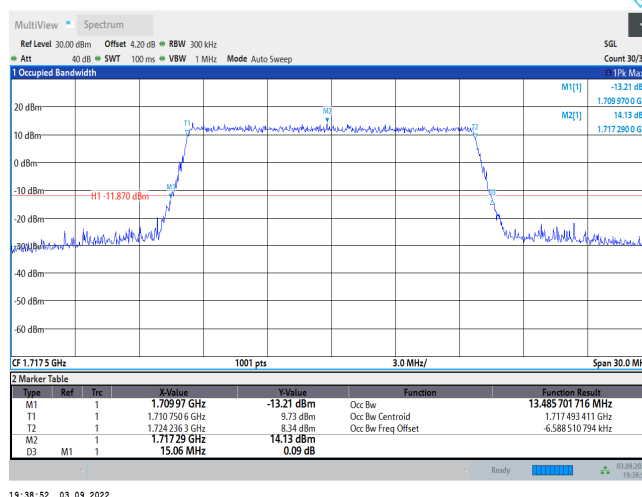
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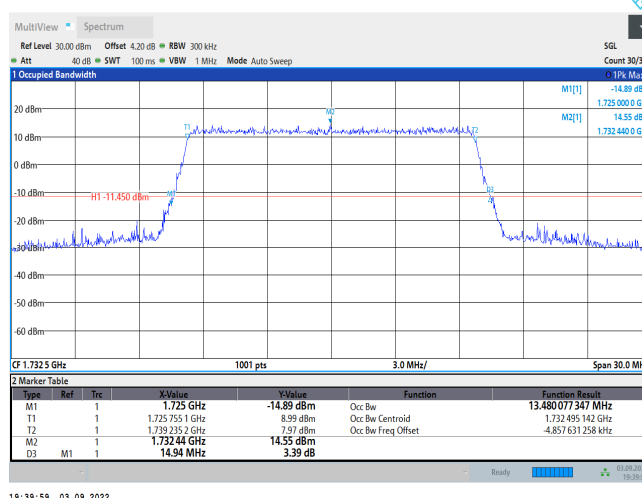
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Band4-15MHz-64QAM-20025-75RB#0



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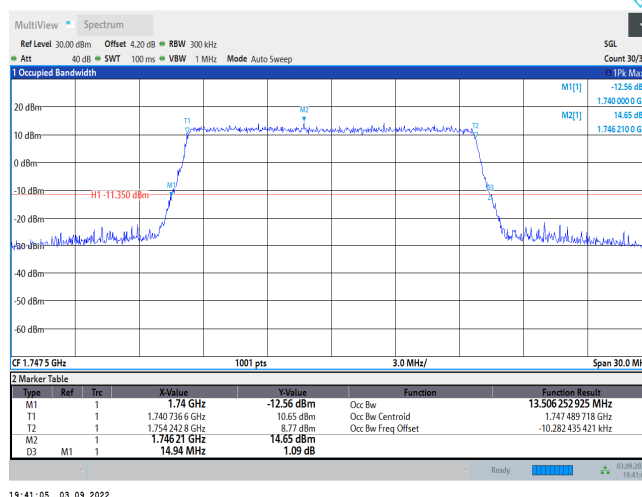
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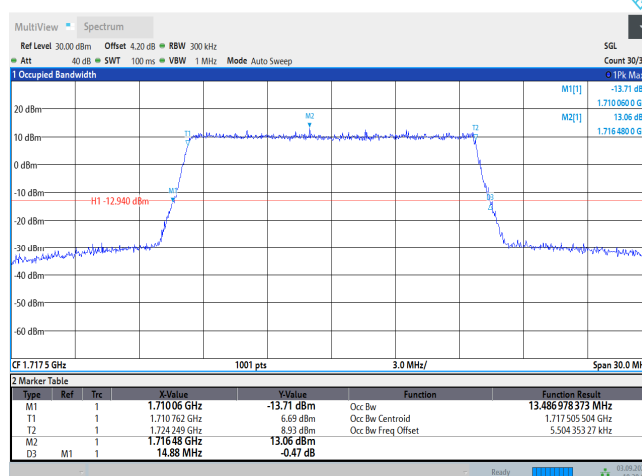
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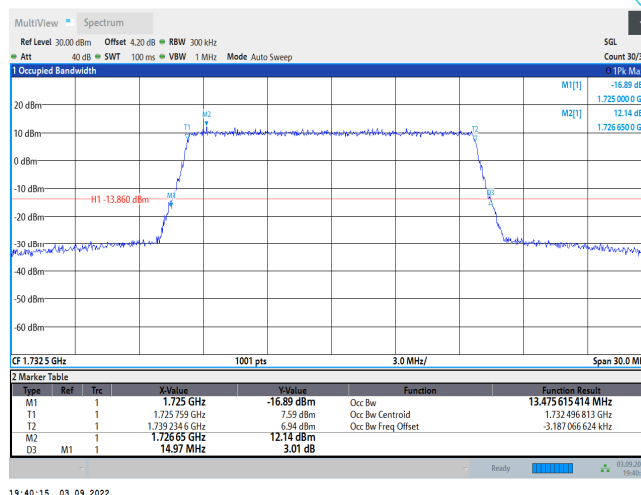
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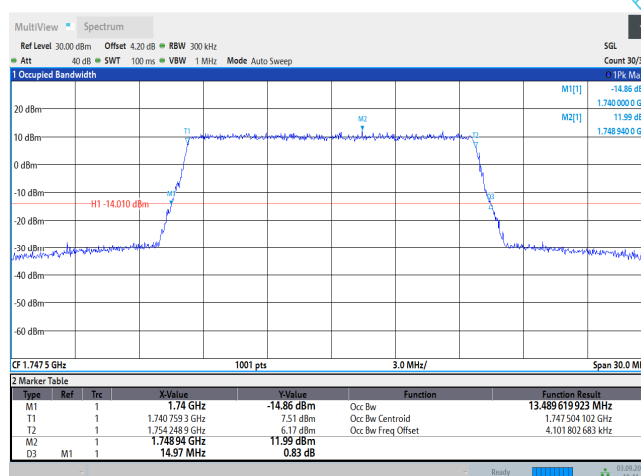
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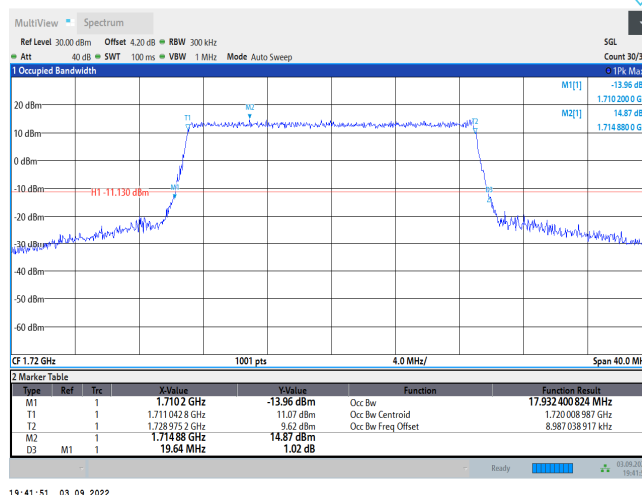
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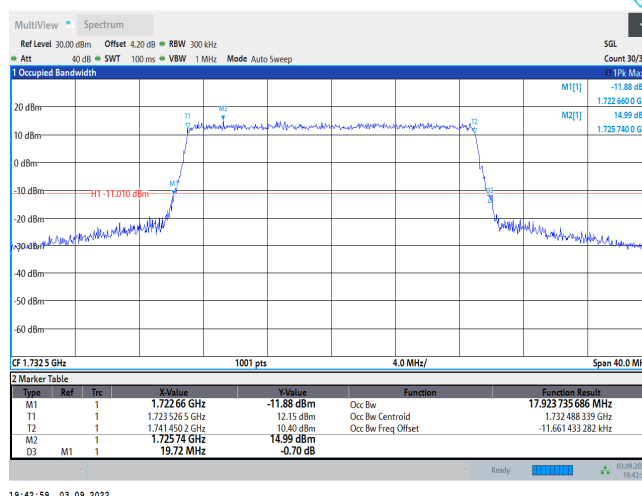
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Band4-20MHz-QPSK-20050-100RB#0



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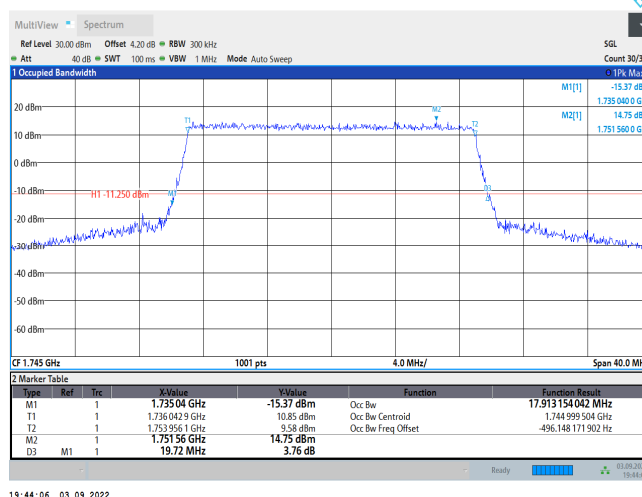
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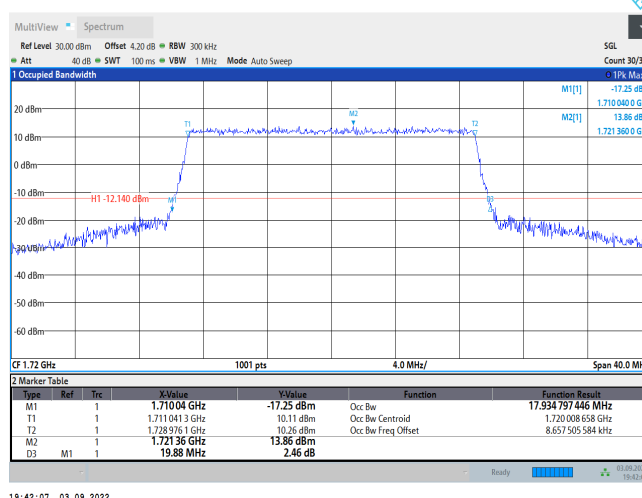
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Band4-20MHz-16QAM-20050-100RB#0



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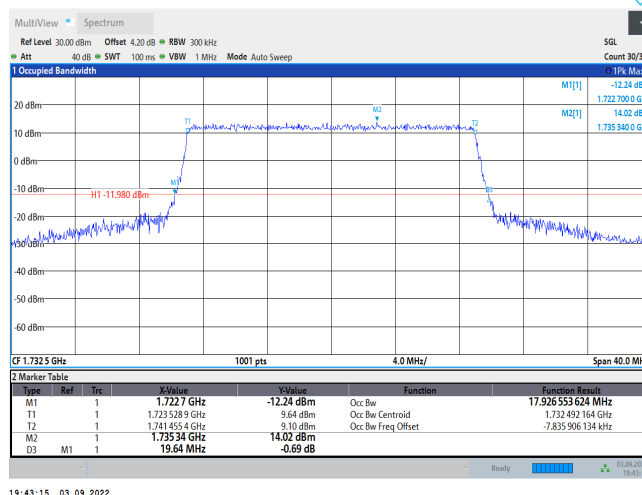
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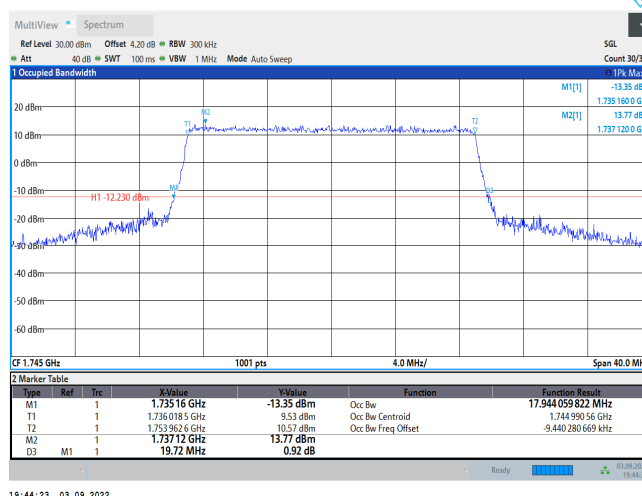
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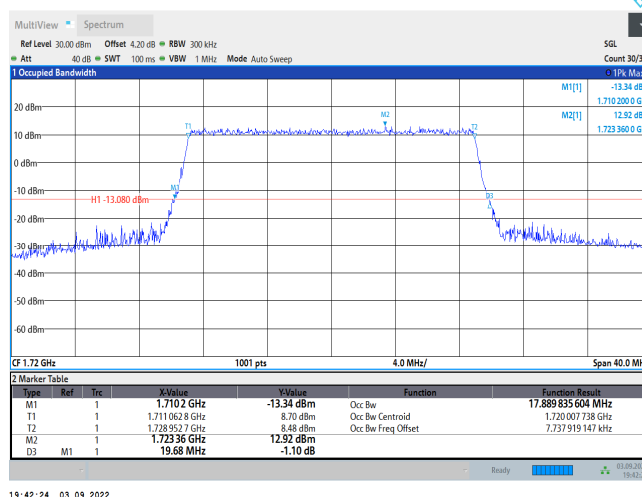
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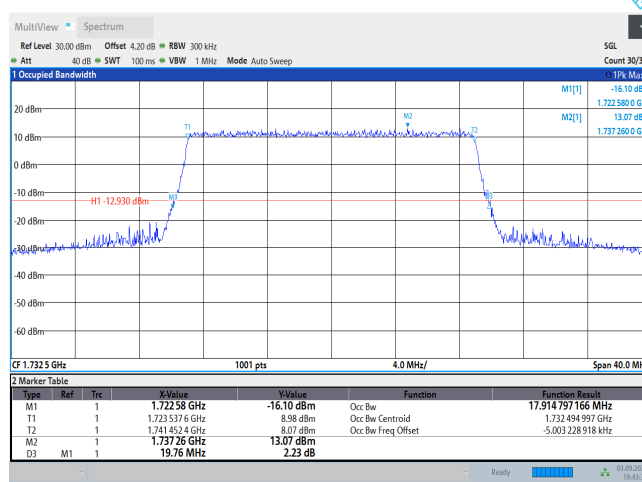
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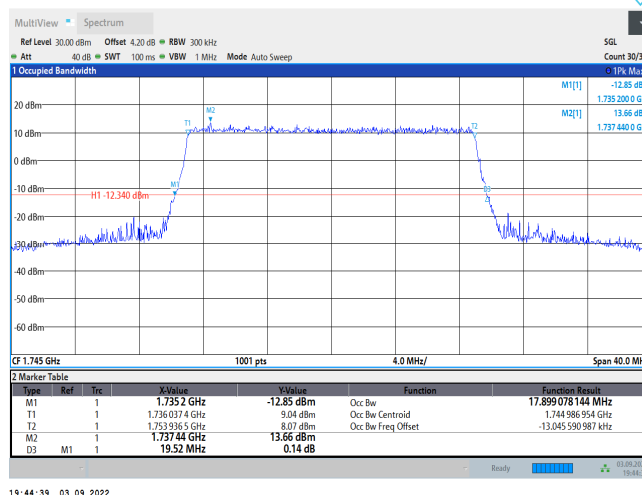
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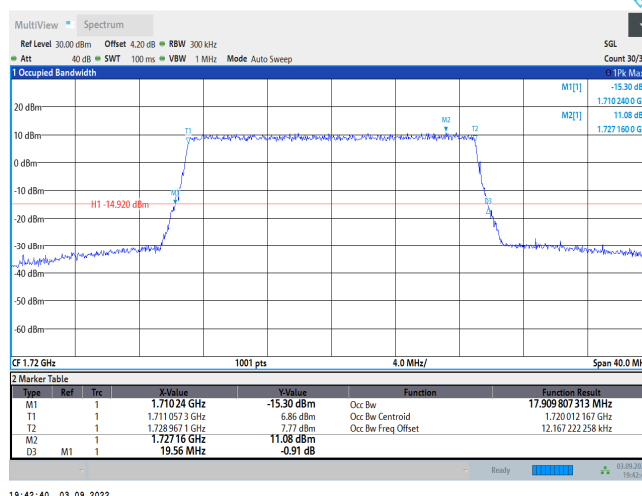
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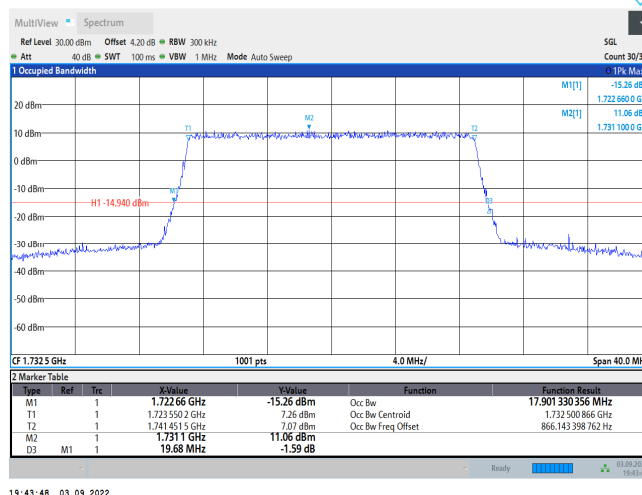
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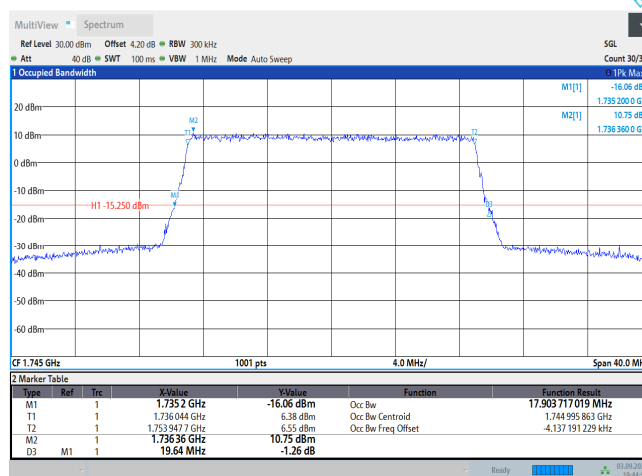
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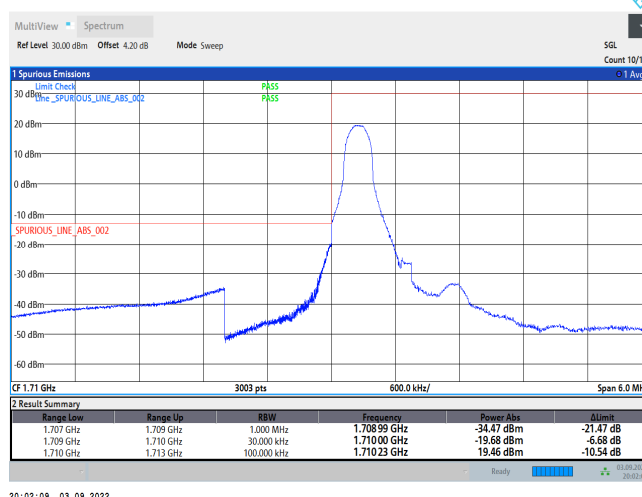
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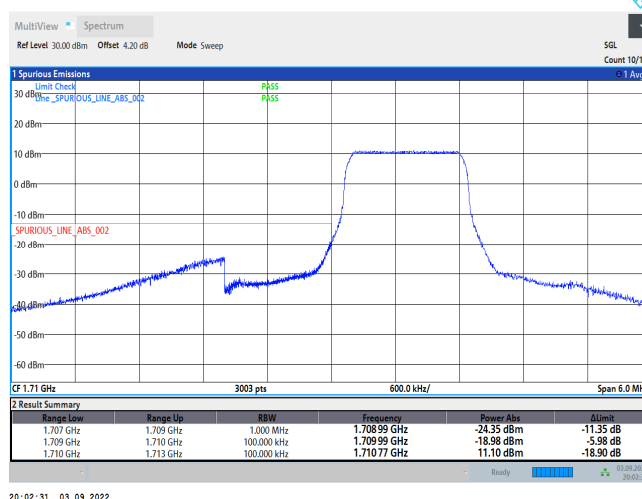
Band Edge

Test Graphs

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



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



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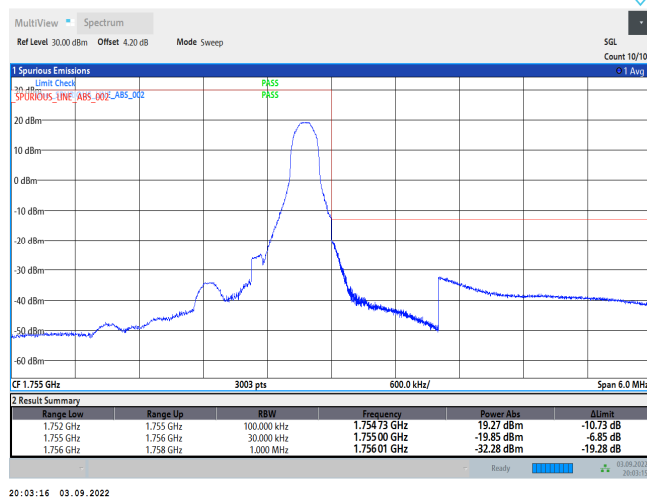
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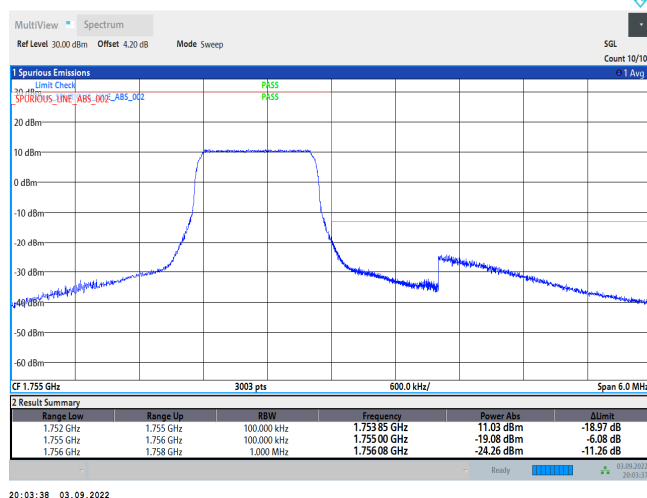
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Band4-1.4MHz-QPSK-20393-1RB#5



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



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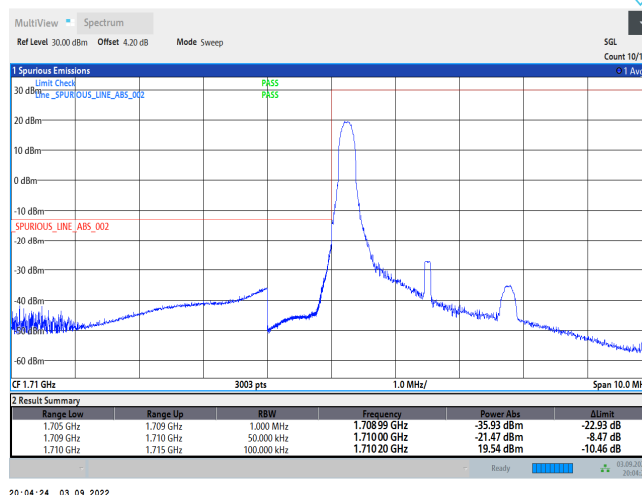
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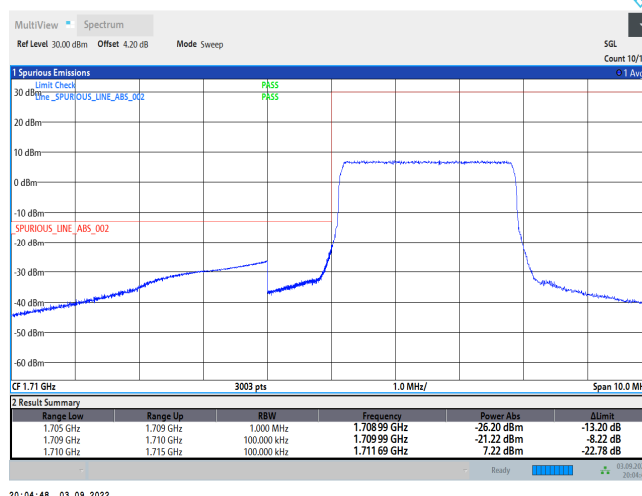
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Band4-3MHz-QPSK-19965-1RB#0



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



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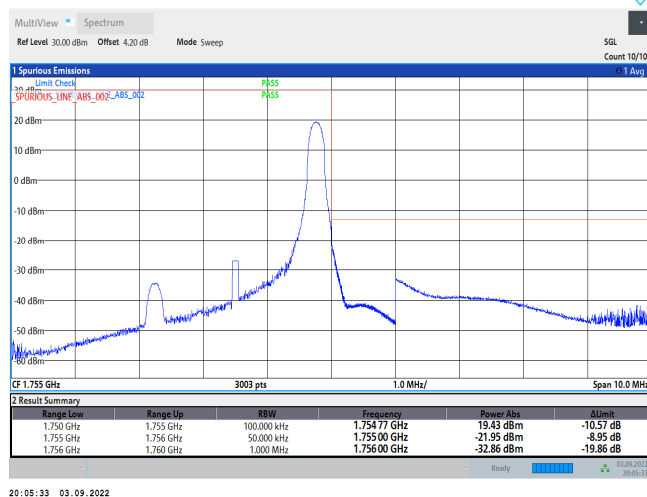
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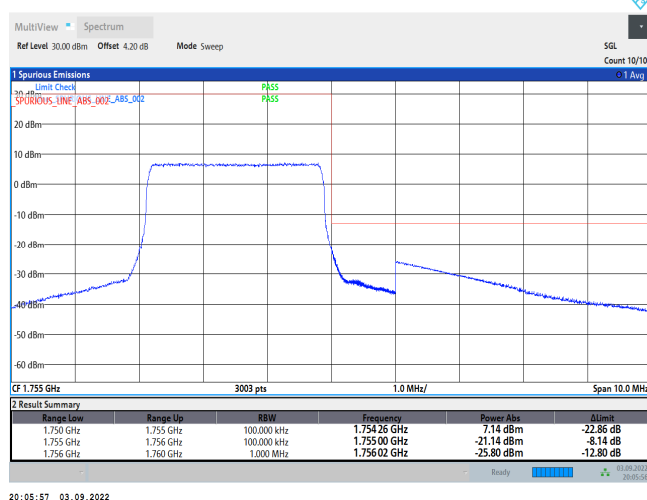
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Band4-3MHz-QPSK-20385-1RB#14



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



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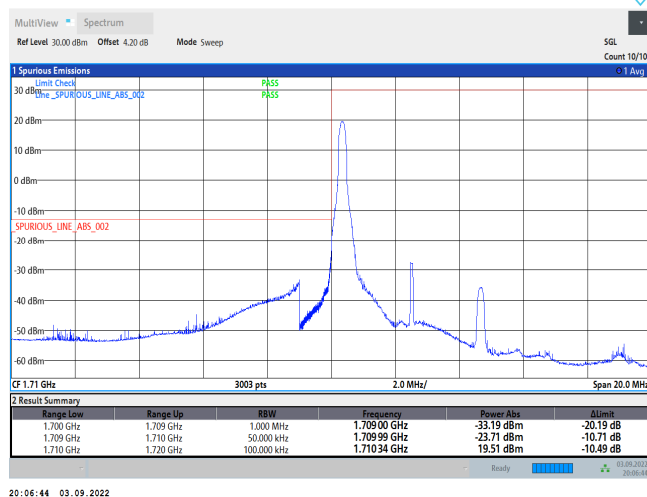
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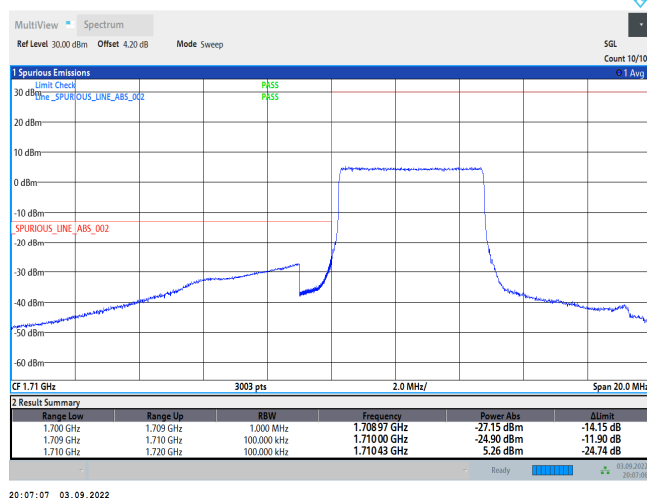
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Band4-5MHz-QPSK-19975-1RB#0



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



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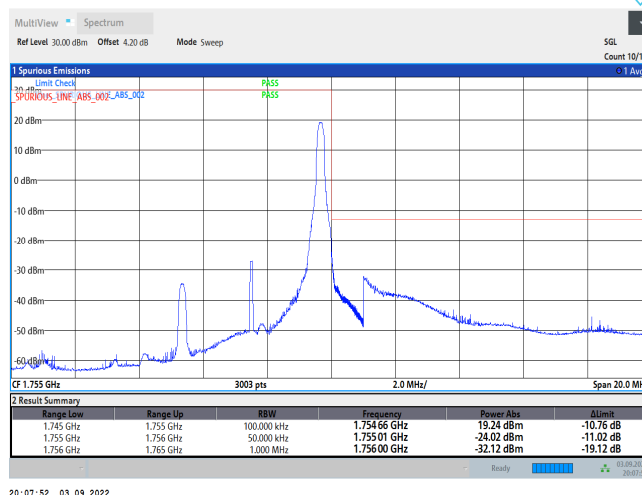
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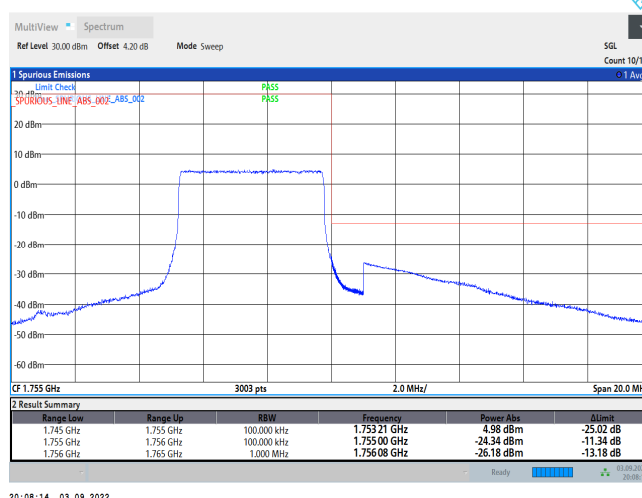
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Band4-5MHz-QPSK-20375-1RB#24



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



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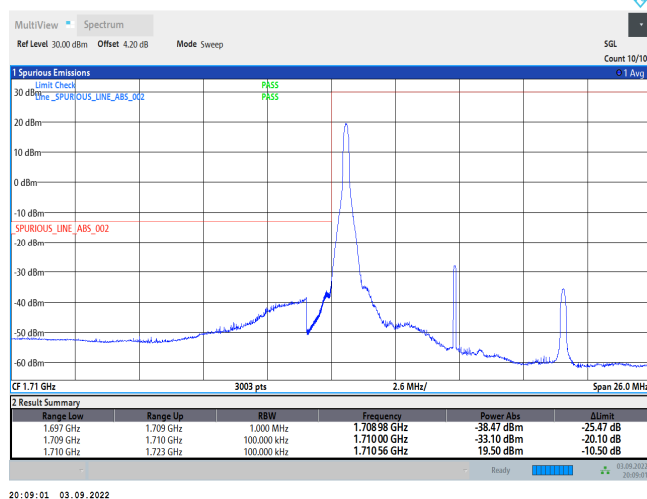
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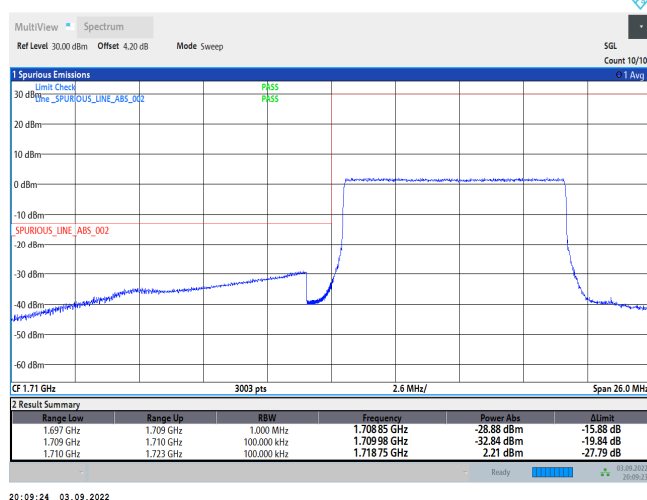
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Band4-10MHz-QPSK-20000-1RB#0



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



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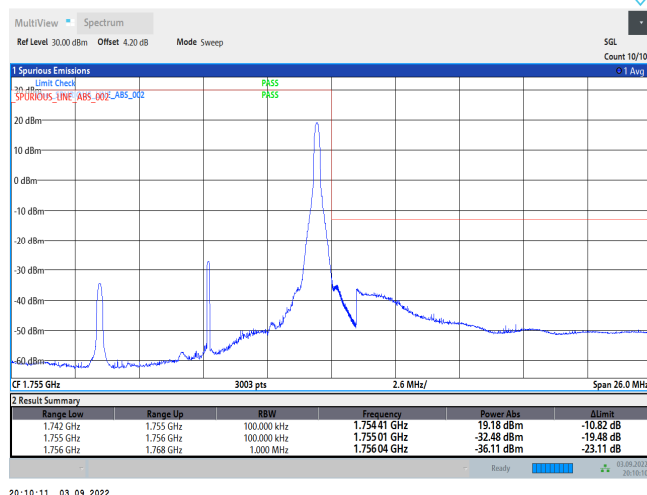
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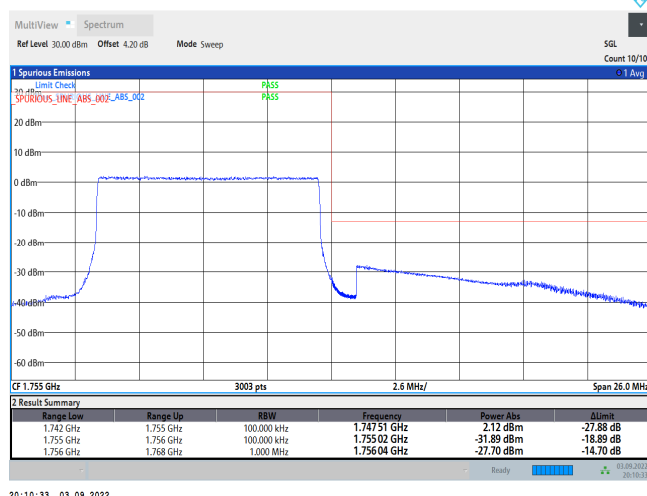
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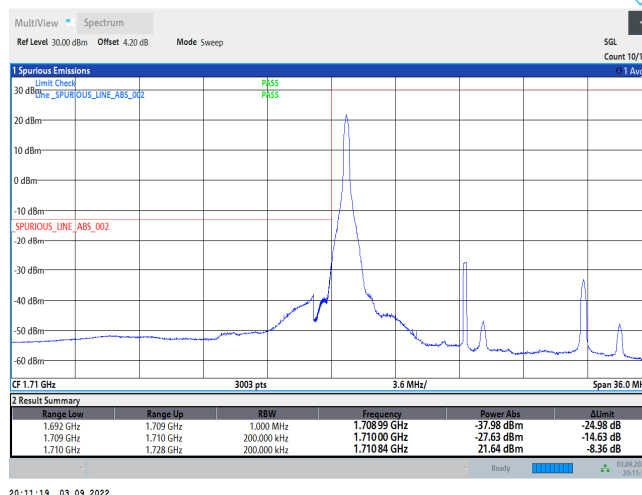
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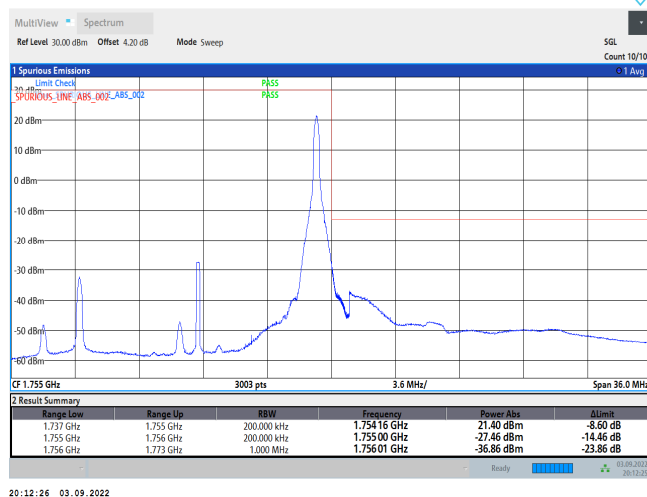
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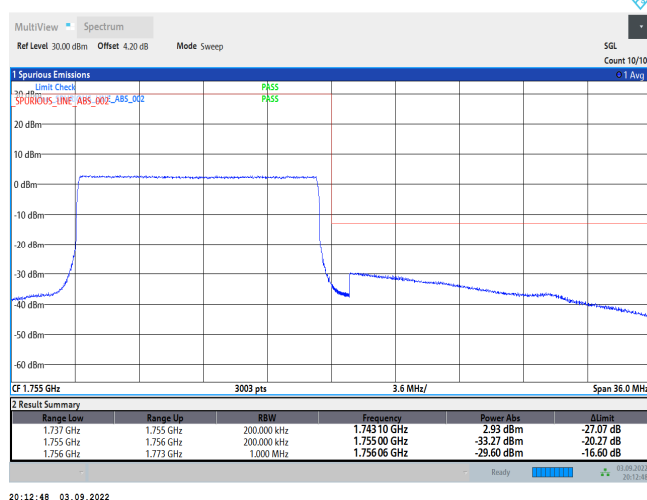
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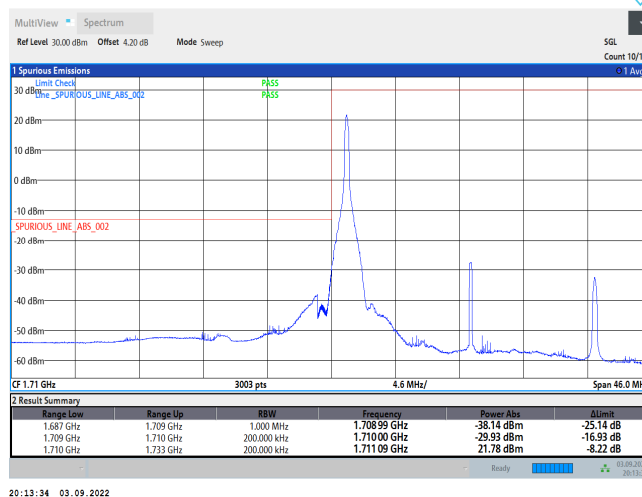
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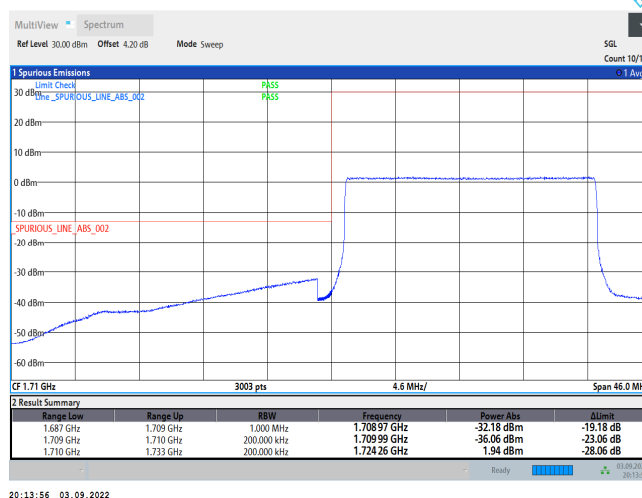
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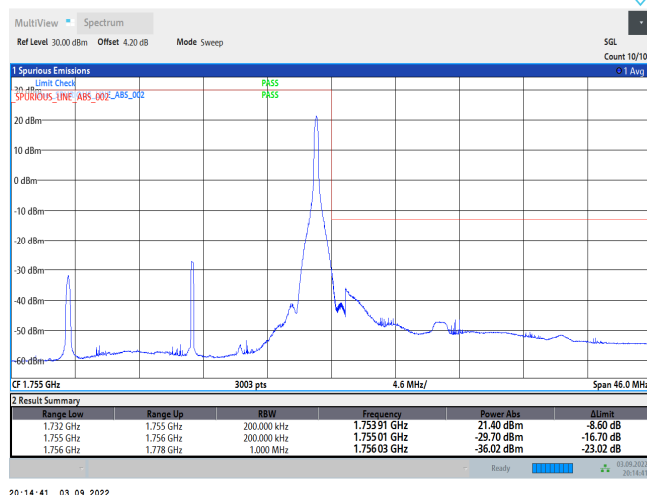
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Band4-20MHz-QPSK-20300-1RB#99



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



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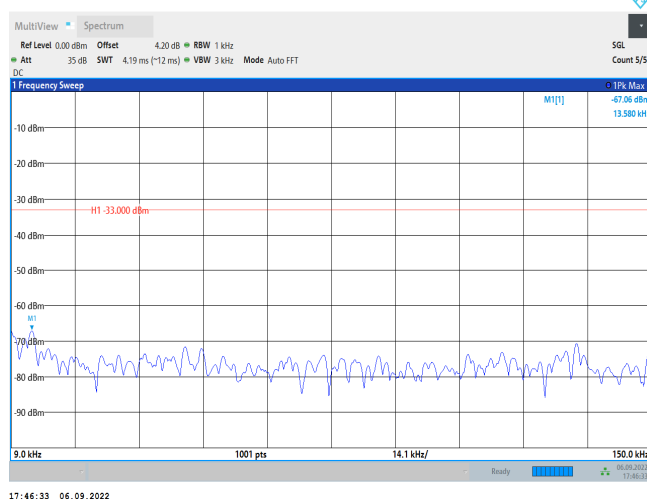
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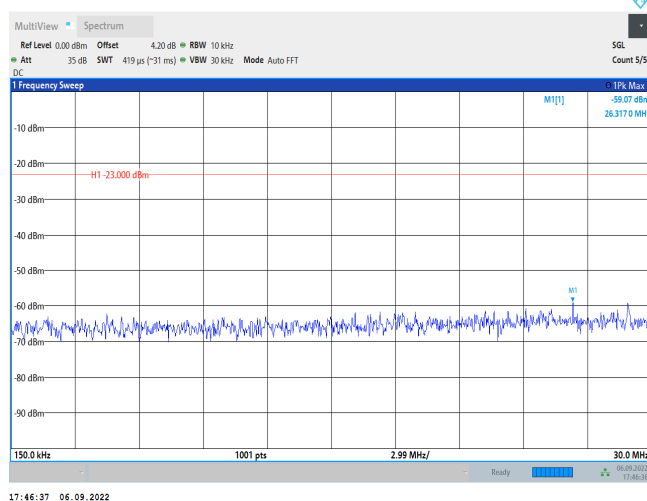
Conducted Spurious Emission

Test Graphs

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



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



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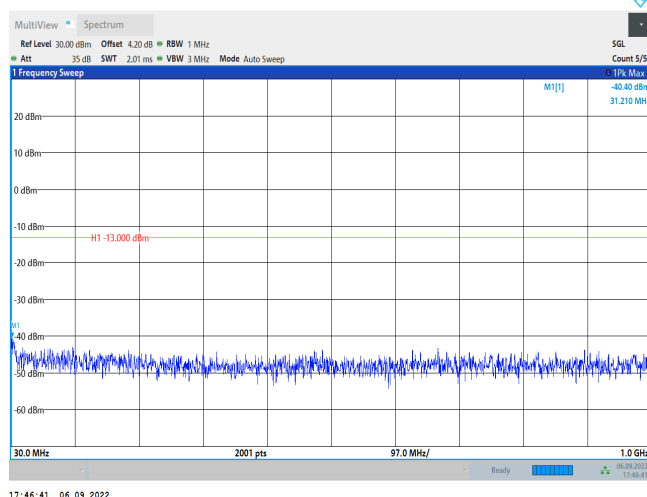
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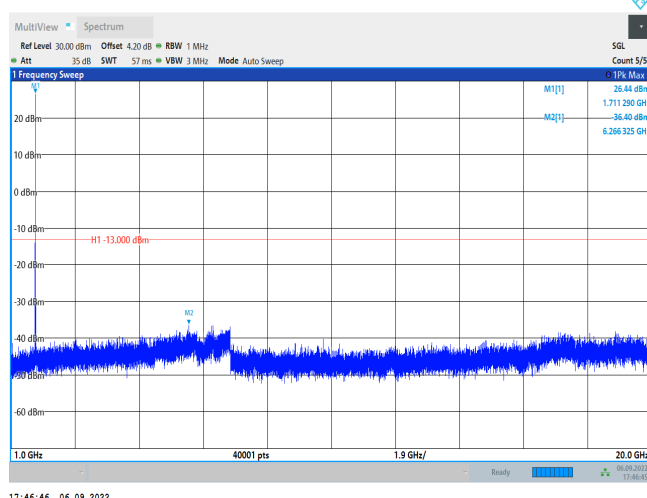
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



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



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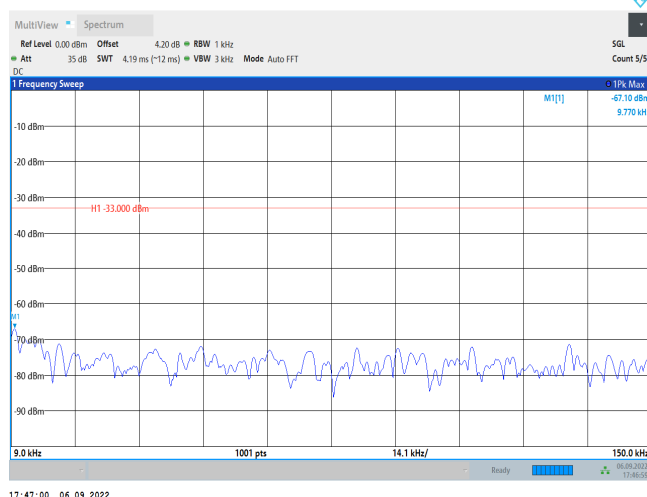
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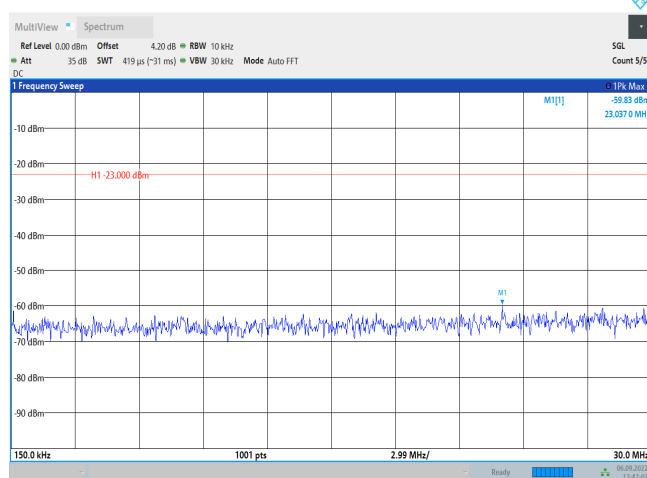
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



17:47:00 06.09.2022

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



17:47:04 06.09.2022



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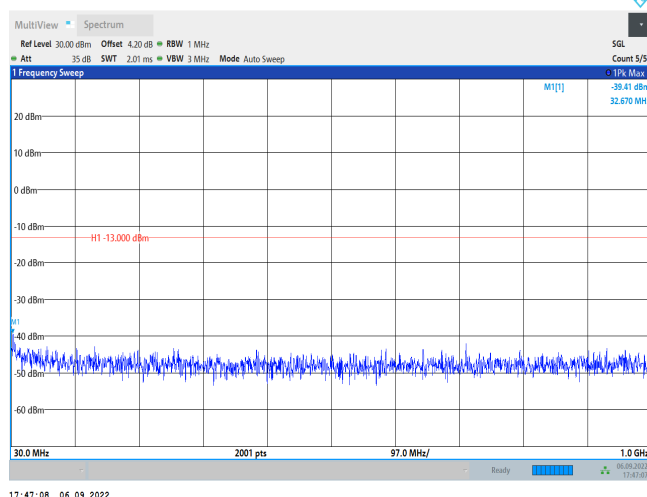
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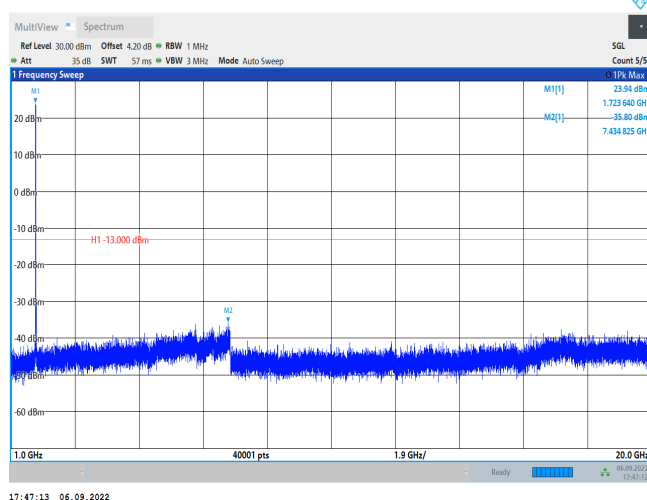
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



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



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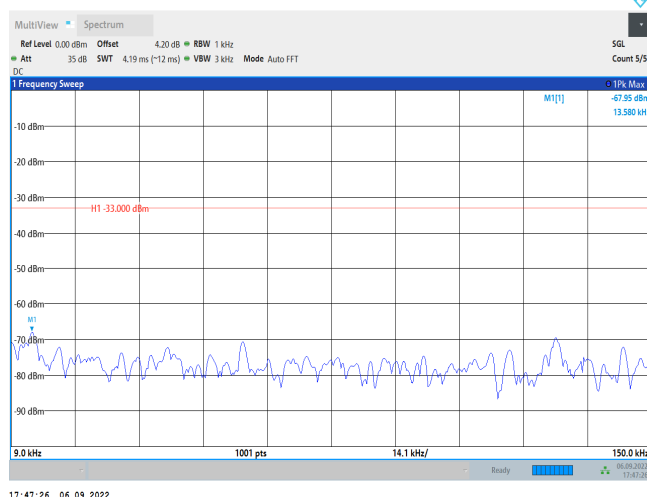
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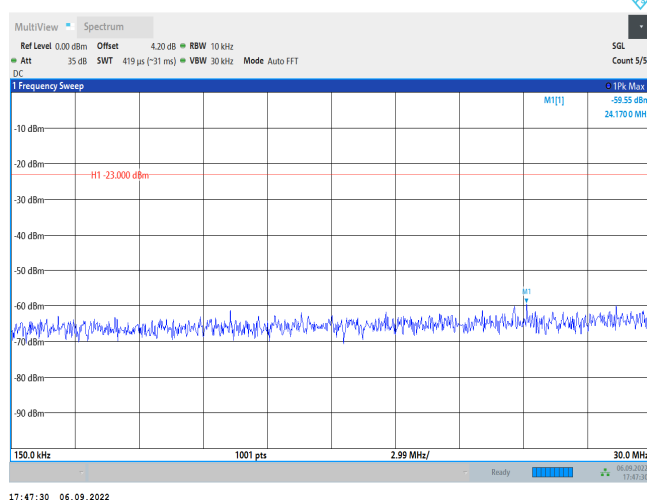
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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



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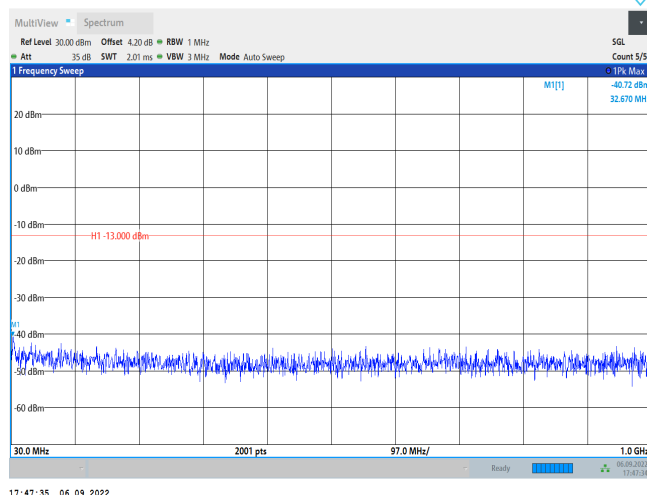
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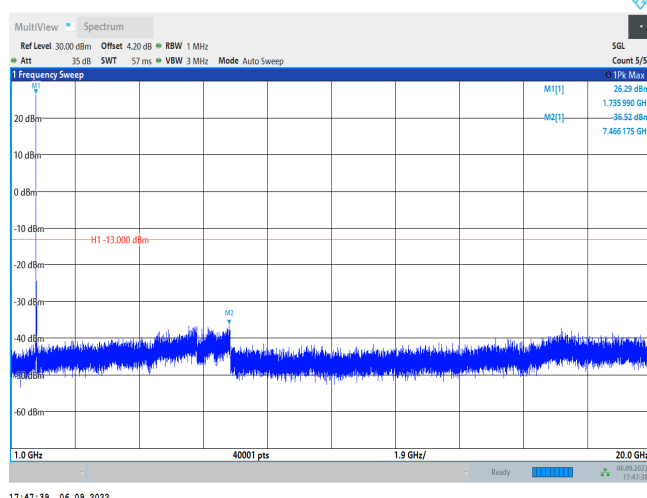
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band4_TM1

Test Channel = Low ANT1

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	52.52	-46.28	29.45	-59.57	-13.00	46.57	152	120	Horizontal
2	5133.2700	50.67	-45.34	32.95	-56.98	-13.00	43.98	142	255	Horizontal
3	6844.3600	60.37	-44.14	35.89	-43.14	-13.00	30.14	133	303	Horizontal
4	8555.4500	42.85	-41.46	37.66	-56.21	-13.00	43.21	230	7	Horizontal
5	10266.5400	37.62	-39.23	38.83	-58.04	-13.00	45.04	162	224	Horizontal
6	11977.6300	32.95	-37.51	38.95	-60.88	-13.00	47.88	195	89	Horizontal

Test Band = LTE Band4_TM1

Test Channel = Low ANT1

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	54.82	-46.28	29.45	-57.27	-13.00	44.27	122	0	Vertical
2	5133.2700	54.52	-45.34	32.95	-53.13	-13.00	40.13	164	329	Vertical
3	6844.3600	62.57	-44.14	35.89	-40.94	-13.00	27.94	174	4	Vertical
4	8555.4500	44.21	-41.46	37.66	-54.85	-13.00	41.85	196	329	Vertical
5	10266.5400	38.04	-39.23	38.83	-57.62	-13.00	44.62	152	129	Vertical
6	11977.6300	34.44	-37.51	38.95	-59.39	-13.00	46.39	134	356	Vertical



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Test Band = LTE Band4_ TM1
Test Channel = Mid ANT1

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	52.07	-46.27	29.47	-59.99	-13.00	46.99	165	104	Horizontal
2	5170.5	53.40	-45.31	32.97	-54.19	-13.00	41.19	142	225	Horizontal
3	6894.3600	57.16	-44.10	35.95	-46.25	-13.00	33.25	155	313	Horizontal
4	8617.9500	42.37	-41.40	37.78	-56.51	-13.00	43.51	142	268	Horizontal
5	10341.5400	37.01	-39.06	38.85	-58.46	-13.00	45.46	169	28	Horizontal
6	12065.1300	33.61	-37.44	39.02	-60.07	-13.00	47.07	187	208	Horizontal

Test Band = LTE Band4_ TM1
Test Channel = Mid ANT1

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	55.55	-46.27	29.47	-56.51	-13.00	43.51	152	1	Vertical
2	5170.7700	57.54	-45.31	32.97	-50.05	-13.00	37.05	184	331	Vertical
3	6894.3600	62.20	-44.10	35.95	-41.21	-13.00	28.21	177	2	Vertical
4	8617.9500	42.75	-41.40	37.78	-56.13	-13.00	43.13	120	357	Vertical
5	10341.5400	37.39	-39.06	38.85	-58.08	-13.00	45.08	265	195	Vertical
6	12065.1300	34.27	-37.44	39.02	-59.41	-13.00	46.41	299	331	Vertical



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Test Band = LTE Band4_TM1**Test Channel = High ANT1**

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	53.35	-46.27	29.50	-58.68	-13.00	45.68	222	116	Horizontal
2	5208.2700	50.65	-45.26	32.98	-56.89	-13.00	43.89	130	222	Horizontal
3	6944.25	62.70	-43.86	36.01	-40.40	-13.00	27.40	165	316	Horizontal
4	8680.4500	43.11	-41.62	37.88	-55.89	-13.00	42.89	184	222	Horizontal
5	10416.5400	36.75	-38.97	38.88	-58.61	-13.00	45.61	216	116	Horizontal
6	12152.6300	35.57	-37.42	39.09	-58.02	-13.00	45.02	198	6	Horizontal

Test Band = LTE Band4_TM1**Test Channel = High ANT1**

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	57.32	-46.27	29.50	-54.71	-13.00	41.71	245	357	Vertical
2	5208.2700	55.43	-45.26	32.98	-52.11	-13.00	39.11	154	331	Vertical
3	6944.3600	63.12	-43.85	36.01	-39.98	-13.00	26.98	172	14	Vertical
4	8680.4500	43.22	-41.62	37.88	-55.78	-13.00	42.78	230	357	Vertical
5	10416.5400	36.62	-38.97	38.88	-58.74	-13.00	45.74	211	287	Vertical
6	12152.6300	35.43	-37.42	39.09	-58.16	-13.00	45.16	250	301	Vertical



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Test Band = LTE 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	1649.1800	39.80	-24.82	25.37	-54.91	-13.00	41.91	163	282	Horizontal
2	2473.7700	38.11	-23.55	27.68	-53.01	-13.00	40.01	216	0	Horizontal
3	3298.3600	51.46	-46.45	29.56	-60.69	-13.00	47.69	227	319	Horizontal
4	3422.1800	50.75	-46.28	29.45	-61.34	-13.00	48.34	185	319	Horizontal
5	5133.2700	53.03	-45.34	32.95	-54.62	-13.00	41.62	166	257	Horizontal
6	6844.3600	56.93	-44.14	35.89	-46.58	-13.00	33.58	197	319	Horizontal

Test Band = LTE 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	1649.1800	37.61	-24.82	25.37	-57.10	-13.00	44.10	159	331	Vertical
2	2473.7700	38.25	-23.55	27.68	-52.87	-13.00	39.87	241	175	Vertical
3	3298.3600	49.81	-46.45	29.56	-62.34	-13.00	49.34	225	360	Vertical
4	3422.1800	50.86	-46.28	29.45	-61.23	-13.00	48.23	163	123	Vertical
5	5133.2700	54.61	-45.34	32.95	-53.04	-13.00	40.04	271	335	Vertical
6	6844.3600	59.08	-44.14	35.89	-44.43	-13.00	31.43	157	304	Vertical



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Test Band = LTE 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	1664.1800	39.08	-24.78	25.38	-55.59	-13.00	42.59	163	281	Horizontal
2	2496.2700	38.38	-23.54	27.76	-52.66	-13.00	39.66	214	271	Horizontal
3	3328.3600	50.07	-46.41	29.52	-62.08	-13.00	49.08	225	3	Horizontal
4	3447.1800	49.19	-46.27	29.47	-62.87	-13.00	49.87	165	44	Horizontal
5	5170.7700	51.15	-45.31	32.97	-56.44	-13.00	43.44	173	270	Horizontal
6	6894.3600	57.13	-44.10	35.95	-46.28	-13.00	33.28	195	334	Horizontal

Test Band = LTE 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	1664.1800	37.88	-24.78	25.38	-56.79	-13.00	43.79	163	101	Vertical
2	2496.2700	38.57	-23.54	27.76	-52.47	-13.00	39.47	241	50	Vertical
3	3328.3600	51.51	-46.41	29.52	-60.64	-13.00	47.64	225	360	Vertical
4	3447.1800	49.67	-46.27	29.47	-62.39	-13.00	49.39	189	360	Vertical
5	5170.7700	53.87	-45.31	32.97	-53.72	-13.00	40.72	197	335	Vertical
6	6894.3600	57.55	-44.10	35.95	-45.86	-13.00	32.86	165	304	Vertical



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Test Band = LTE 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	1679.1800	39.08	-24.75	25.38	-55.55	-13.00	42.55	139	270	Horizontal
2	2518.7700	38.51	-23.40	27.83	-52.32	-13.00	39.32	214	2	Horizontal
3	3358.3600	49.66	-46.35	29.48	-62.47	-13.00	49.47	225	347	Horizontal
4	3472.1800	51.69	-46.27	29.50	-60.34	-13.00	47.34	163	108	Horizontal
5	5208.2700	53.88	-45.26	32.98	-53.66	-13.00	40.66	172	257	Horizontal
6	6944.3600	60.88	-43.85	36.01	-42.22	-13.00	29.22	154	319	Horizontal

Test Band = LTE 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	1679.1800	38.34	-24.75	25.38	-56.29	-13.00	43.29	221	209	Vertical
2	2518.7700	38.55	-23.40	27.83	-52.28	-13.00	39.28	142	312	Vertical
3	3358.3600	49.32	-46.35	29.48	-62.81	-13.00	49.81	163	212	Vertical
4	3472.1800	52.52	-46.27	29.50	-59.51	-13.00	46.51	159	30	Vertical
5	5208.2700	54.32	-45.26	32.98	-53.22	-13.00	40.22	179	346	Vertical
6	6944.3600	55.38	-43.85	36.01	-47.72	-13.00	34.72	219	90	Vertical



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Test Band = LTE 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	3422.1800	52.67	-46.28	29.45	-59.42	-25.00	34.42	167	346	Horizontal
2	5002.1800	47.47	-45.63	32.88	-60.54	-25.00	35.54	149	360	Horizontal
3	5133.2700	51.55	-45.34	32.95	-56.10	-25.00	31.10	153	257	Horizontal
4	6844.3600	53.77	-44.14	35.89	-49.74	-25.00	24.74	216	318	Horizontal
5	7503.2700	45.27	-43.13	36.44	-56.68	-25.00	31.68	217	243	Horizontal
6	10004.3600	39.30	-39.23	38.50	-56.70	-25.00	31.70	228	360	Horizontal

Test Band = LTE 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	3422.1800	50.99	-46.28	29.45	-61.10	-25.00	36.10	159	257	Vertical
2	5002.1800	47.41	-45.63	32.88	-60.60	-25.00	35.60	213	212	Vertical
3	5133.2700	52.84	-45.34	32.95	-54.81	-25.00	29.81	142	319	Vertical
4	6844.3600	57.75	-44.14	35.89	-45.76	-25.00	20.76	176	360	Vertical
5	7503.2700	45.48	-43.13	36.44	-56.47	-25.00	31.47	185	347	Vertical
6	10004.3600	38.94	-39.23	38.50	-57.06	-25.00	32.06	197	243	Vertical



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Test Band = LTE 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	3447.1800	49.18	-46.27	29.47	-62.88	-25.00	37.88	165	353	Horizontal
2	5052.1800	47.55	-45.50	32.91	-60.30	-25.00	35.30	151	360	Horizontal
3	5170.7700	53.39	-45.31	32.97	-54.20	-25.00	29.20	281	256	Horizontal
4	6894.3600	57.48	-44.10	35.95	-45.93	-25.00	20.93	273	316	Horizontal
5	7578.2700	45.90	-42.97	36.40	-55.93	-25.00	30.93	156	59	Horizontal
6	10104.3600	39.01	-39.14	38.66	-56.73	-25.00	31.73	164	353	Horizontal

Test Band = LTE 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	3447.1800	51.22	-46.27	29.47	-60.84	-25.00	35.84	167	4	Vertical
2	5052.1800	48.55	-45.50	32.91	-59.30	-25.00	34.30	251	360	Vertical
3	5170.7700	53.77	-45.31	32.97	-53.82	-25.00	28.82	129	344	Vertical
4	6894.3600	58.57	-44.10	35.95	-44.84	-25.00	19.84	227	16	Vertical
5	7578.2700	45.88	-42.97	36.40	-55.95	-25.00	30.95	136	182	Vertical
6	10104.3600	38.29	-39.14	38.66	-57.45	-25.00	32.45	152	121	Vertical



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Test Band = LTE 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	3472.1800	52.20	-46.27	29.50	-59.83	-25.00	34.83	139	60	Horizontal
2	5102.1800	46.62	-45.37	32.94	-61.07	-25.00	36.07	158	243	Horizontal
3	5208.2700	52.12	-45.26	32.98	-55.42	-25.00	30.42	264	320	Horizontal
4	6944.3600	54.39	-43.85	36.01	-48.71	-25.00	23.71	251	354	Horizontal
5	7653.2700	45.43	-43.03	36.49	-56.37	-25.00	31.37	173	16	Horizontal
6	10204.3600	37.97	-39.48	38.81	-57.96	-25.00	32.96	255	16	Horizontal

Test Band = LTE 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	3472.1800	52.09	-46.27	29.50	-59.94	-25.00	34.94	167	151	Vertical
2	5102.1800	47.27	-45.37	32.94	-60.42	-25.00	35.42	215	360	Vertical
3	5208.2700	53.37	-45.26	32.98	-54.17	-25.00	29.17	224	320	Vertical
4	6944.3600	56.87	-43.85	36.01	-46.23	-25.00	21.23	186	4	Vertical
5	7653.2700	46.28	-43.03	36.49	-55.52	-25.00	30.52	193	213	Vertical
6	10204.3600	39.17	-39.48	38.81	-56.76	-25.00	31.76	227	16	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	0.30	0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-1.30	-0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.10	-0.000058	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.50	-0.000289	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.90	-0.000519	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-2.30	-0.001328	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-1.60	-0.000924	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-0.50	-0.000289	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.10	-0.000058	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.90	-0.001097	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.30	-0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.90	-0.000519	PASS

---End of Attachment---



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