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Appendix B.3

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.63	26.1	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.7	25.17	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.26	24.73	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.28	23.75	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.36	25.83	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.84	26.31	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.67	26.14	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.76	25.23	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.52	25.99	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.51	25.98	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.25	25.72	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.28	24.75	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.52	24.99	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.63	24.1	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.33	23.8	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.37	22.84	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	24.26	25.73	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.8	25.27	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.8	25.27	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.86	24.33	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	24.18	25.65	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.55	25.02	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.32	24.79	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.36	23.83	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.36	23.83	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.69	23.16	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.32	22.79	30	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.39	21.86	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	23.4	24.87	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.93	24.4	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.95	24.42	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.97	23.44	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	23.06	24.53	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.62	24.09	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.39	23.86	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.38	22.85	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	20.18	21.65	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	19.68	21.15	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	19.3	20.77	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	19.4	20.87	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	20.39	21.86	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	20.48	21.95	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	20.23	21.7	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	20.26	21.73	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	20.23	21.7	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.81	26.28	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.51	24.98	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.13	24.6	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.25	23.72	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.63	26.1	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.86	26.33	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.77	26.24	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.86	25.33	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.41	25.88	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.6	26.07	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.35	25.82	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.35	24.82	30	PASS



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Band4	3MHz	16QAM	19965	1RB#8	22.52	23.99	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.26	23.73	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.29	22.76	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	24.36	25.83	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.01	25.48	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.9	25.37	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.89	24.36	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	24.21	25.68	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.54	25.01	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.46	24.93	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.4	23.87	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.25	23.72	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.51	22.98	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.2	22.67	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.3	21.77	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	23.31	24.78	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	23.07	24.54	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	23	24.47	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.95	23.42	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	23.18	24.65	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.63	24.1	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.47	23.94	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.45	22.92	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	19.95	21.42	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	19.57	21.04	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	19.33	20.8	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	19.37	20.84	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	20.29	21.76	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	20.49	21.96	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	20.23	21.7	30	PASS
Band4	3MHz	256QAM	20175	15RB#0	20.3	21.77	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	20.32	21.79	30	PASS



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Band4	3MHz	256QAM	20385	1RB#8	20.41	21.88	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	20.25	21.72	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	20.26	21.73	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.98	26.45	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.44	24.91	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.2	24.67	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.21	23.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.21	25.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.96	26.43	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.95	26.42	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.91	25.38	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.52	25.99	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.71	26.18	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.55	26.02	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.37	24.84	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.58	25.05	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.47	23.94	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.36	23.83	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.26	22.73	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	24.35	25.82	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	24.07	25.54	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	24.12	25.59	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.94	24.41	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	24.26	25.73	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.75	25.22	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.65	25.12	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.42	23.89	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.41	23.88	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.51	22.98	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.27	22.74	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.3	21.77	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	23.54	25.01	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	23.1	24.57	30	PASS



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Band4	5MHz	64QAM	20175	25RB#0	22	23.47	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	23.28	24.75	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.73	24.2	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.68	24.15	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.47	22.94	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	20.21	21.68	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	19.56	21.03	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	19.41	20.88	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	19.32	20.79	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	20.38	21.85	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	20.36	21.83	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	20.6	22.07	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	20.27	21.74	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	20.27	21.74	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	20.3	21.77	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	20.17	21.64	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	20.31	21.78	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.54	26.01	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.42	24.89	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.47	24.94	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.32	23.79	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.15	25.62	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.77	26.24	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.63	26.1	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.94	25.41	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.36	25.83	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.86	26.33	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.78	26.25	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.58	25.05	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.66	25.13	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.45	23.92	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.57	24.04	30	PASS



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Band4	10MHz	16QAM	20000	50RB#0	21.36	22.83	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	24.41	25.88	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.88	25.35	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	24.22	25.69	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	23	24.47	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	24.17	25.64	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.75	25.22	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.84	25.31	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.62	24.09	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.46	23.93	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.3	22.77	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.61	23.08	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.4	21.87	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	23.23	24.7	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.96	24.43	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	23.39	24.86	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	22.06	23.53	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	23.39	24.86	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.78	24.25	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.96	24.43	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.66	23.13	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	20.26	21.73	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	19.42	20.89	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	19.7	21.17	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	19.44	20.91	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	20.33	21.8	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	20.49	21.96	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	20.21	21.68	30	PASS
Band4	10MHz	256QAM	20175	50RB#0	20.39	21.86	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	20.24	21.71	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	20.41	21.88	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	20.44	21.91	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	20.42	21.89	30	PASS



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Band4	15MHz	QPSK	20025	1RB#0	24.9	26.37	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.45	24.92	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.73	25.2	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.31	23.78	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.41	25.88	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.71	26.18	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.93	26.4	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.8	25.27	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.63	26.1	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.9	26.37	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.61	26.08	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.54	25.01	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.6	25.07	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.43	23.9	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.74	24.21	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.37	22.84	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	24.15	25.62	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.76	25.23	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	24.08	25.55	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.84	24.31	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	24.09	25.56	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.8	25.27	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.6	25.07	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.57	24.04	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.33	23.8	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.41	22.88	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.83	23.3	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.42	21.89	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.79	24.26	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.84	24.31	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	23.19	24.66	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.89	23.36	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	23.53	25	30	PASS



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Band4	15MHz	64QAM	20325	1RB#38	22.87	24.34	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.65	24.12	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.62	23.09	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	20.12	21.59	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	19.38	20.85	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	20.01	21.48	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	19.44	20.91	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	20.34	21.81	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	20.66	22.13	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	20.69	22.16	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	20.12	21.59	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	19.9	21.37	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	20.35	21.82	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	20.1	21.57	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	20.08	21.55	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.92	26.39	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.52	24.99	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.21	25.68	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.56	24.03	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.41	25.88	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.69	26.16	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.8	26.27	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.74	25.21	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.16	25.63	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.57	26.04	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.69	26.16	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.66	25.13	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.49	24.96	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.52	23.99	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.32	24.79	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.57	23.04	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.94	25.41	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.74	25.21	30	PASS



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Band4	20MHz	16QAM	20175	1RB#99	24	25.47	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.76	24.23	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	24.36	25.83	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	24.15	25.62	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.75	25.22	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.71	24.18	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.33	23.8	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.62	23.09	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.38	23.85	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.62	22.09	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.58	24.05	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.91	24.38	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	23.1	24.57	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.82	23.29	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	23.45	24.92	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	23.05	24.52	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.87	24.34	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.8	23.27	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	19.86	21.33	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	19.48	20.95	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	20.26	21.73	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	19.66	21.13	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	20.36	21.83	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	20.32	21.79	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	20.36	21.83	30	PASS
Band4	20MHz	256QAM	20175	100RB#0	20.25	21.72	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	19.99	21.46	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	20.45	21.92	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	20.3	21.77	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	20.21	21.68	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	5.42	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.22	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.34	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.36	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.94	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.90	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.54	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.46	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	7.20	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	7.08	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	7.12	13	PASS



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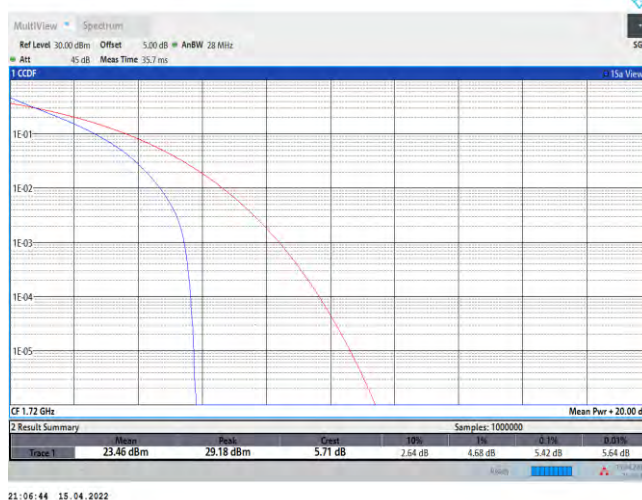
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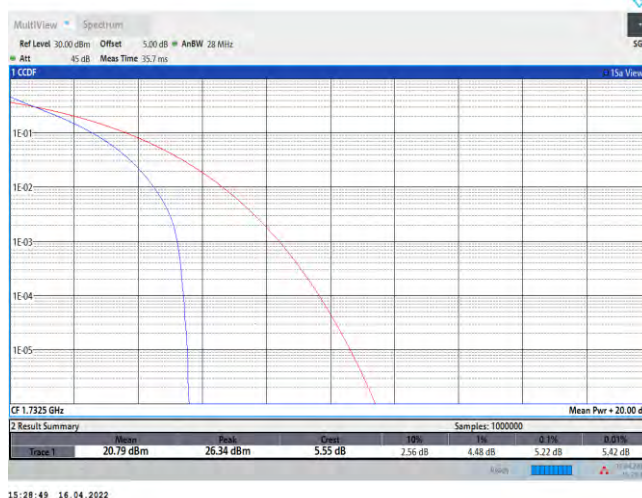
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Test Graphs

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



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



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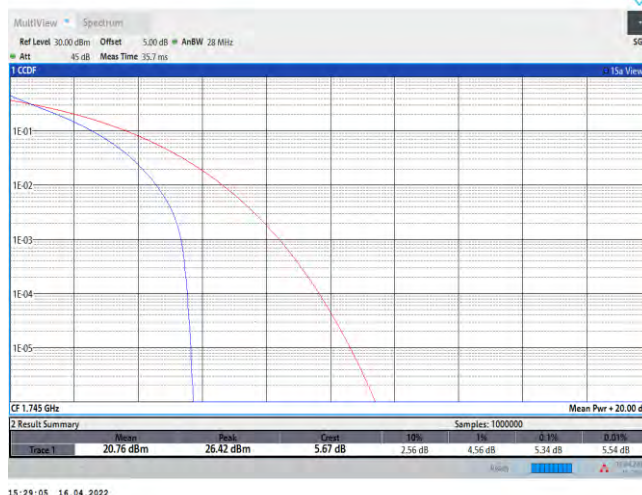
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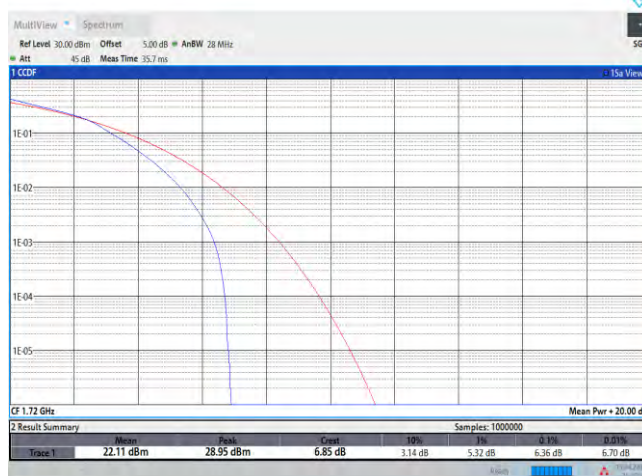
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Band4-20MHz-QPSK-20300-100RB#0



15:29:05 16.04.2022

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



21:07:01 15.04.2022



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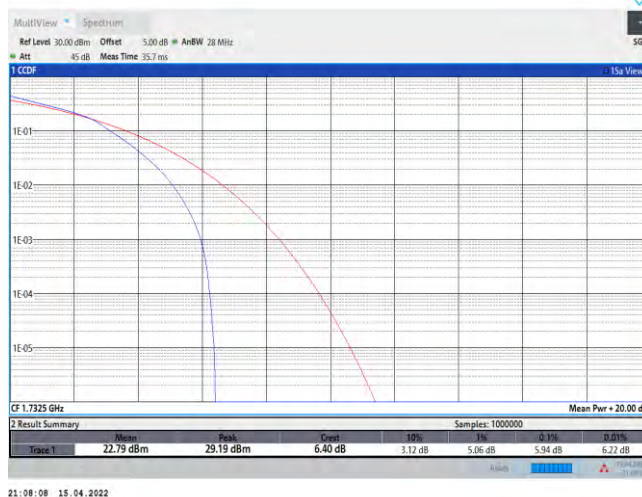
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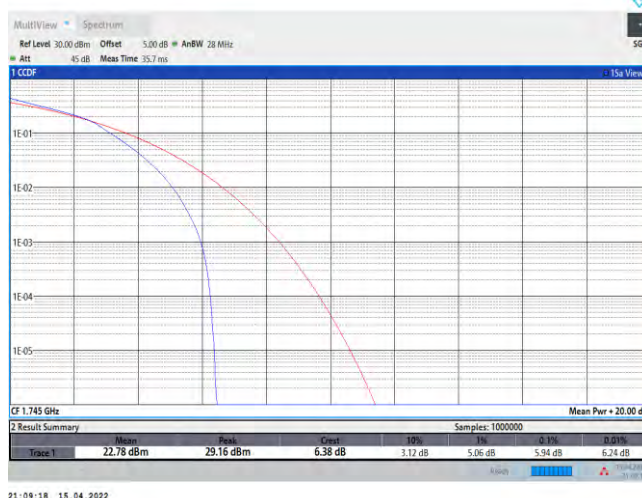
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Band4-20MHz-16QAM-20175-100RB#0



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



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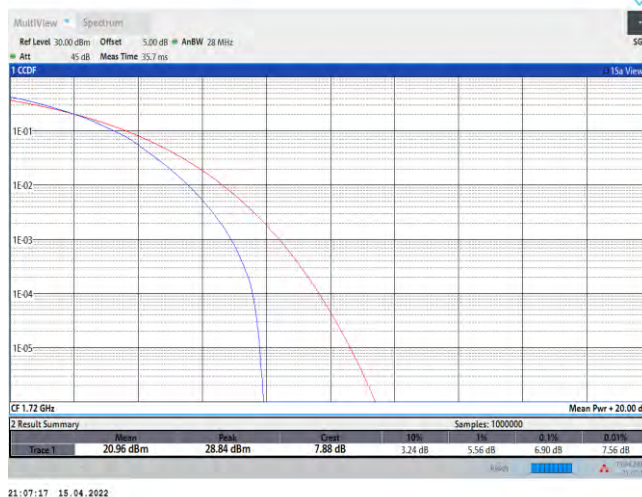
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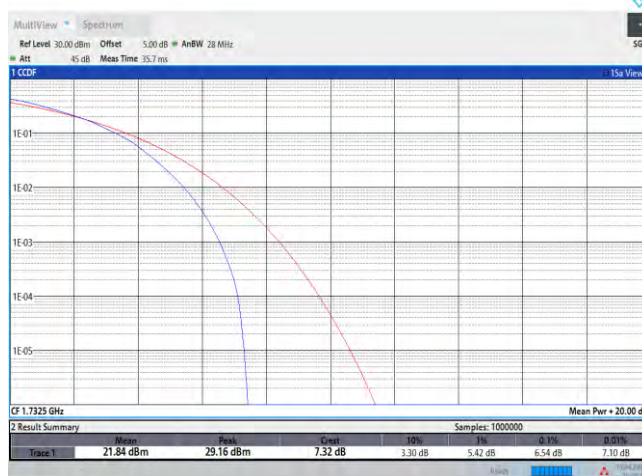
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Band4-20MHz-64QAM-20050-100RB#0



21:07:17 15.04.2022

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



21:08:25 15.04.2022



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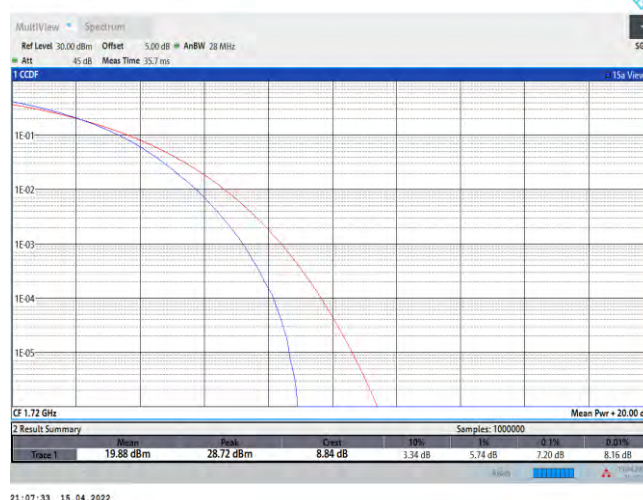
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Band4-20MHz-64QAM-20300-100RB#0



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



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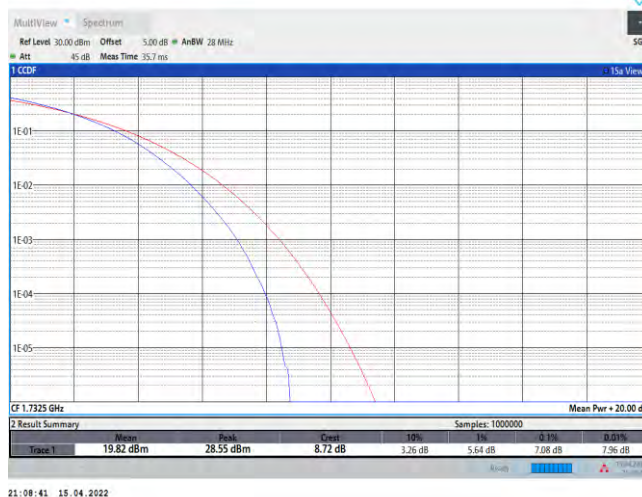
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Band4-20MHz-256QAM-20175-100RB#0



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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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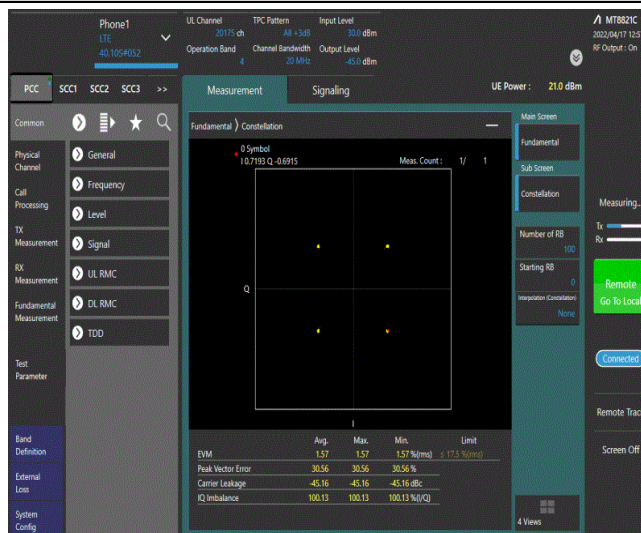
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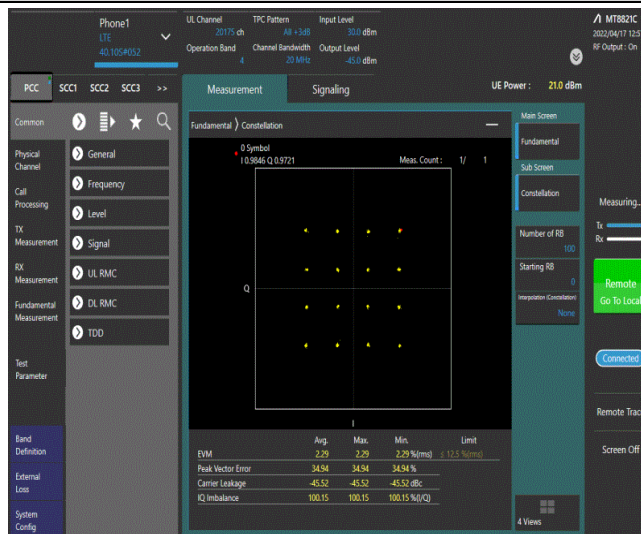
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Test Graphs

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



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



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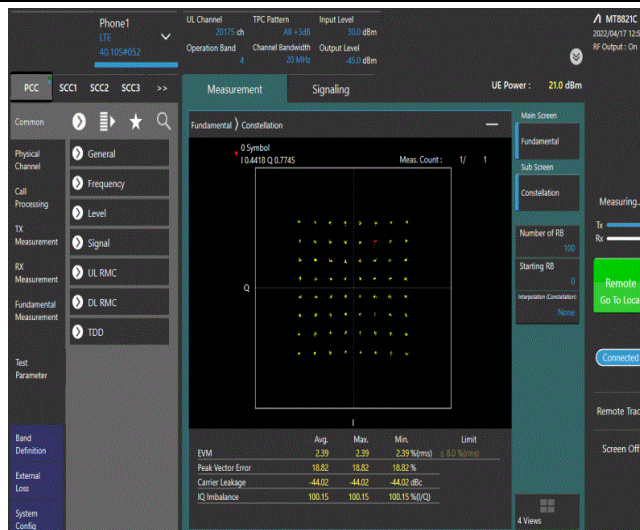
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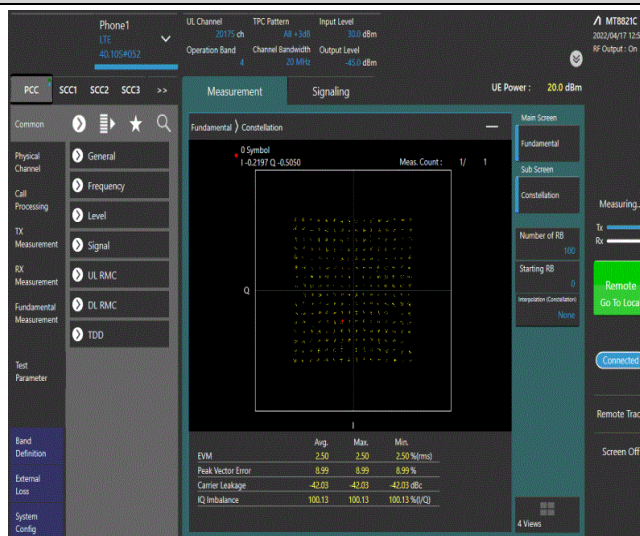
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Band4-20MHz-64QAM-20175-100RB#0



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	1.108	1.37	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.108	1.37	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.105	1.37	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.109	1.44	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.107	1.40	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.110	1.39	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.109	1.38	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.109	1.40	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.109	1.42	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.108	1.42	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.105	1.39	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.106	1.41	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	3.05	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.03	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.694	3.04	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.706	3.05	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.699	3.04	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.700	3.08	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.704	3.04	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.699	3.05	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.701	3.06	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.696	3.05	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.702	3.04	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.702	3.05	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.480	5.02	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.478	5.07	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.477	5.08	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.483	5.01	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.480	5.06	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.482	5.04	PASS



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Band4	5MHz	64QAM	20175	25RB#0	4.484	5.05	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.482	5.08	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.482	5.06	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.481	5.10	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.482	5.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.967	9.92	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.940	9.82	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.939	9.92	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.963	9.88	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.966	9.90	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.959	9.92	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.948	9.92	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.953	9.88	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.958	9.82	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.949	9.90	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.943	9.88	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.959	9.94	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.513	15.12	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.483	14.94	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.500	15.09	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.510	15.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.488	14.97	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.504	15.06	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.502	15.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.494	14.97	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.499	15.12	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.501	15.00	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.471	15.03	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.512	15.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.938	19.72	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.885	19.60	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.949	19.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.950	19.68	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.903	19.56	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.940	19.52	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.955	19.76	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.903	19.68	PASS



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Band4	20MHz	64QAM	20300	100RB#0	17.949	19.60	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.986	19.88	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.899	19.64	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.938	19.84	PASS



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Test Graphs

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



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



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15:21:18 16.04.2022

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



20:15:58 15.04.2022



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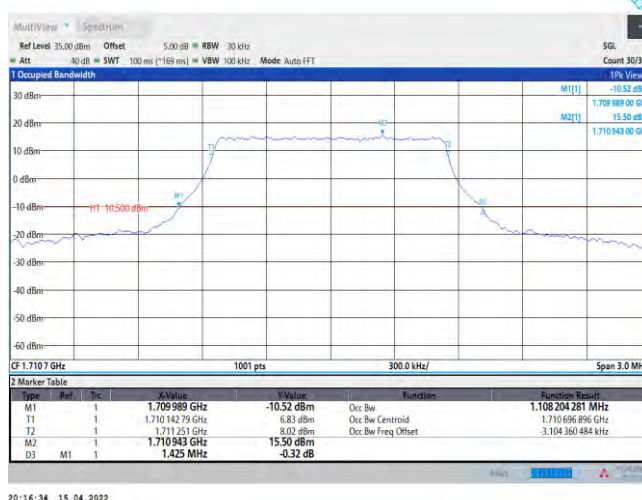
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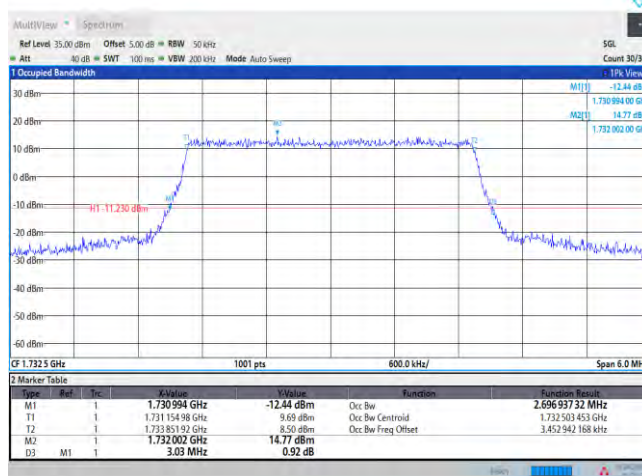
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20:19:40 15.04.2022

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



15:21:51 16.04.2022



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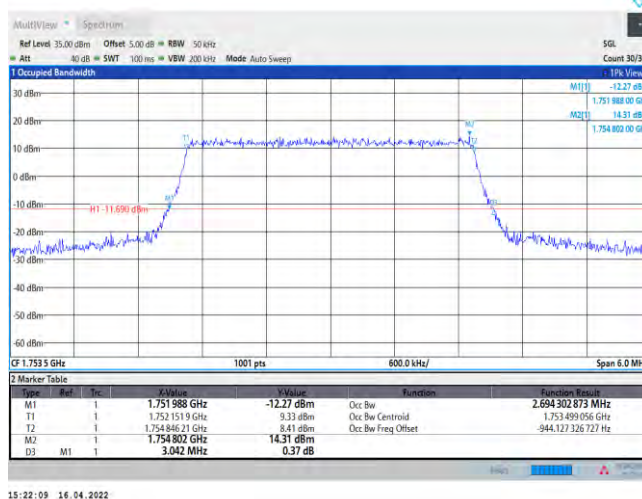
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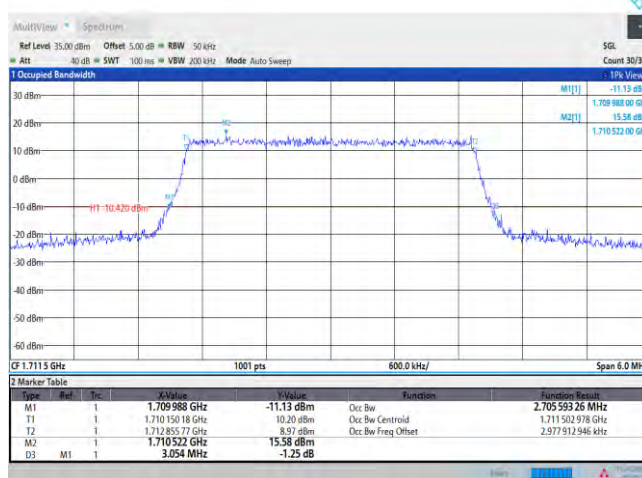
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15:22:09 16.04.2022

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



20:19:58 15.04.2022



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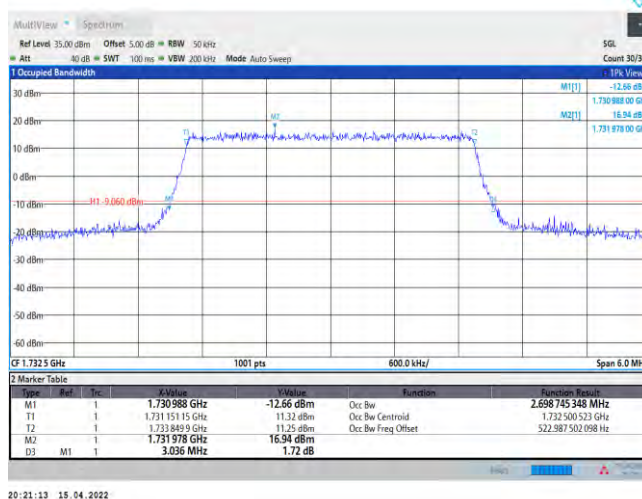
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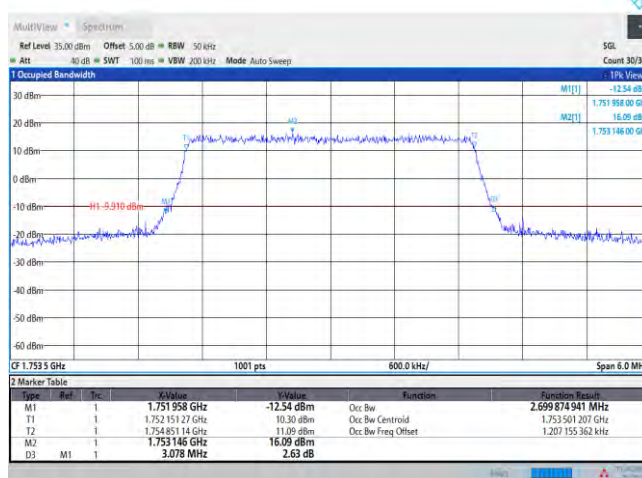
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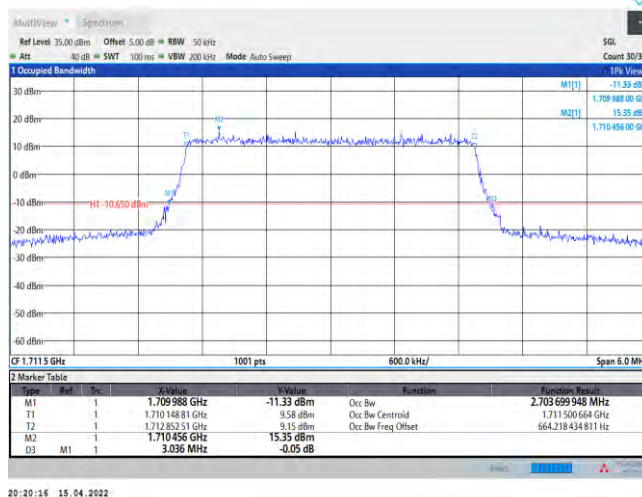
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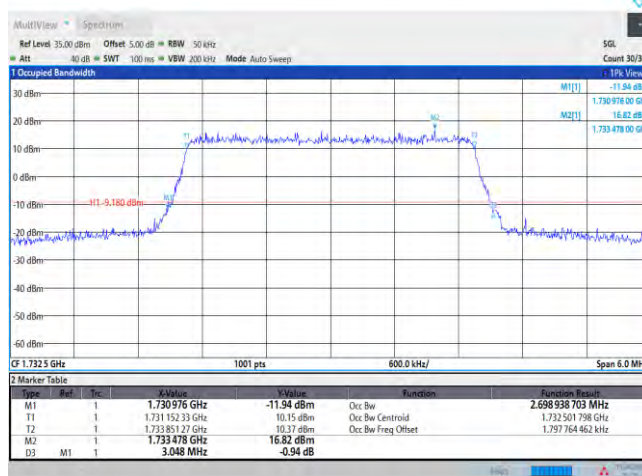
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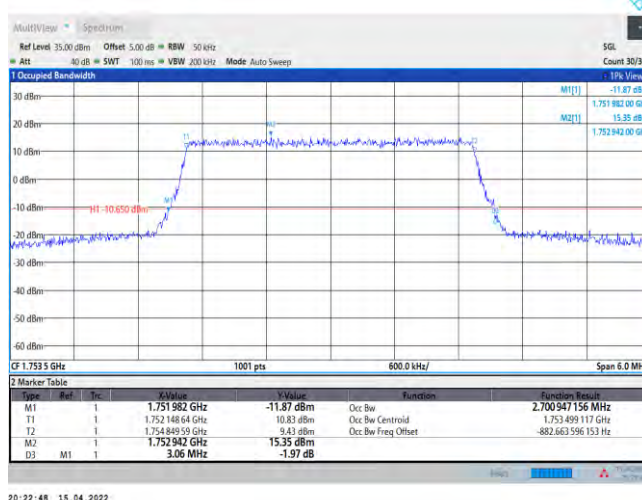
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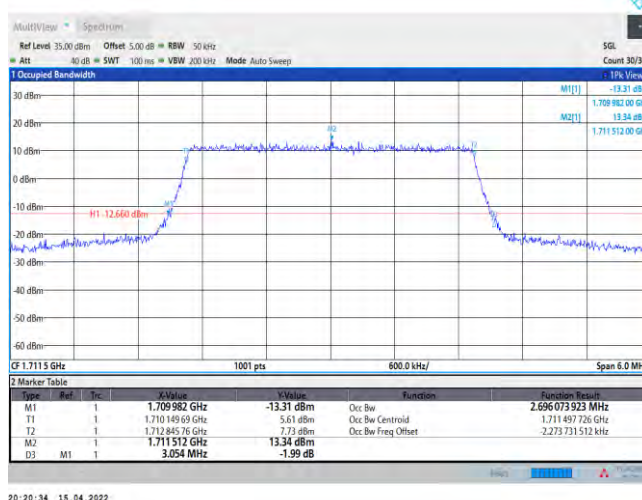
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Band4-3MHz-256QAM-19965-15RB#0



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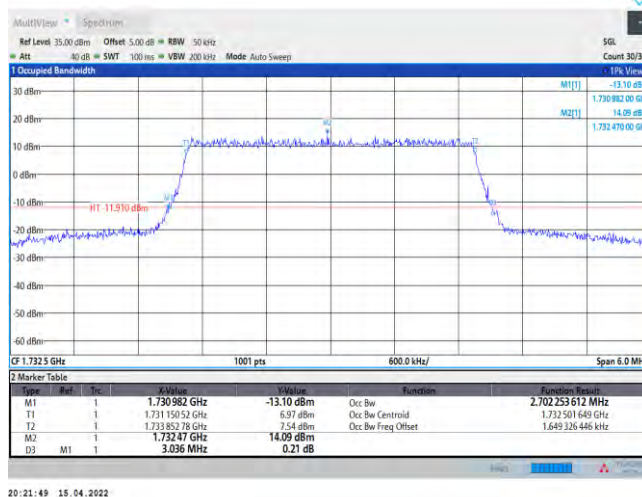
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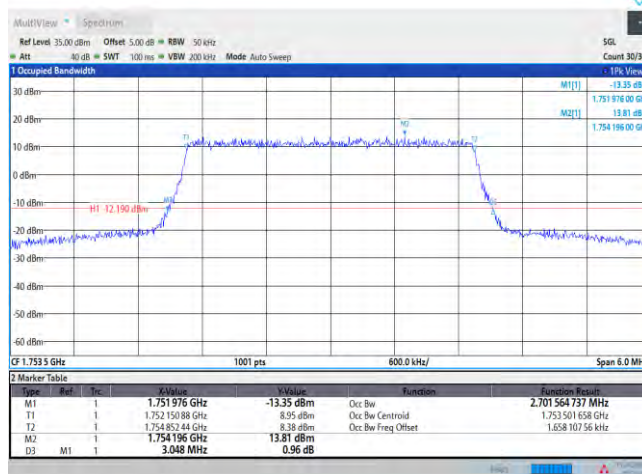
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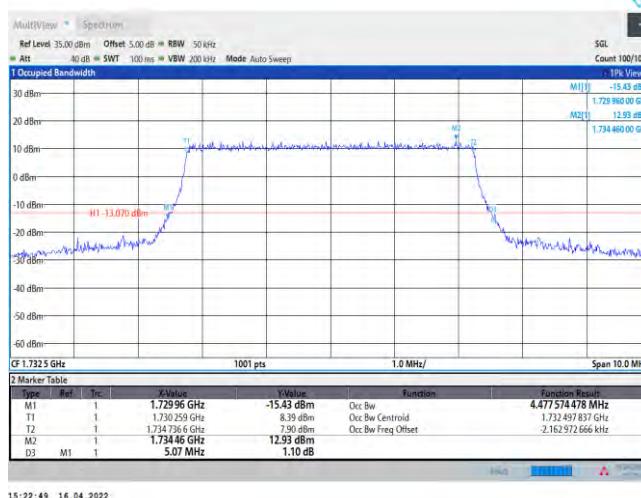
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Band4-5MHz-QPSK-20175-25RB#0



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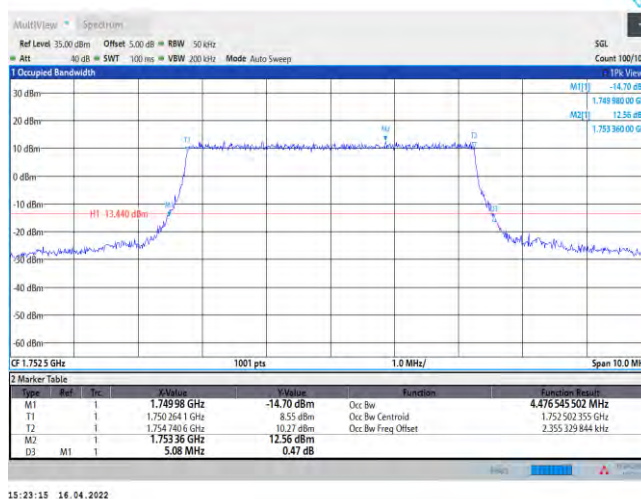
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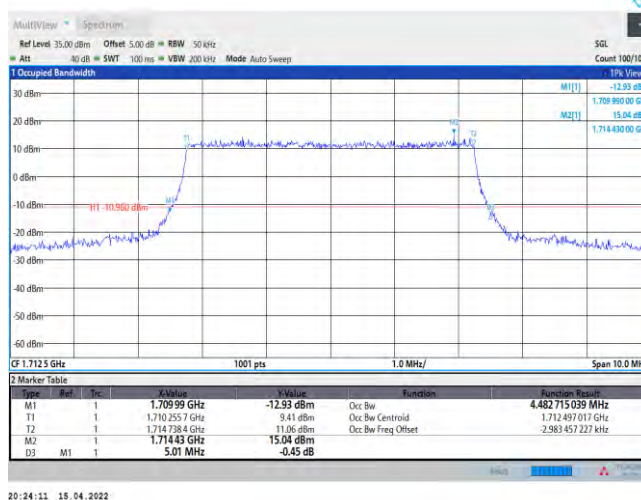
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Band4-5MHz-16QAM-19975-25RB#0



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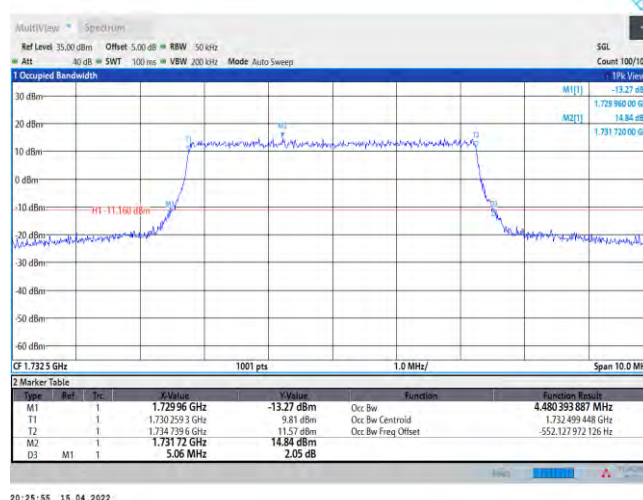
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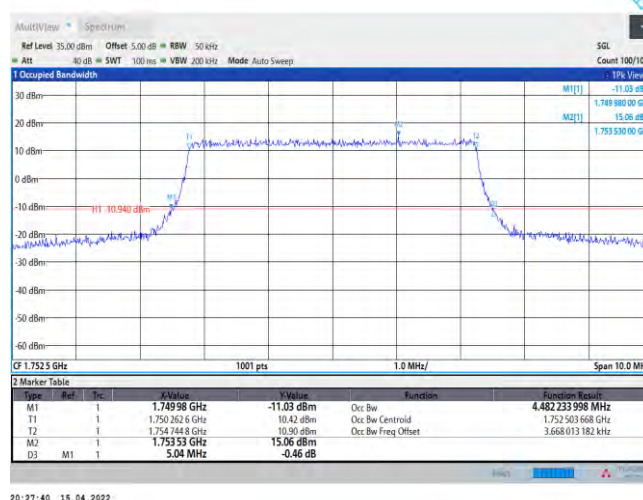
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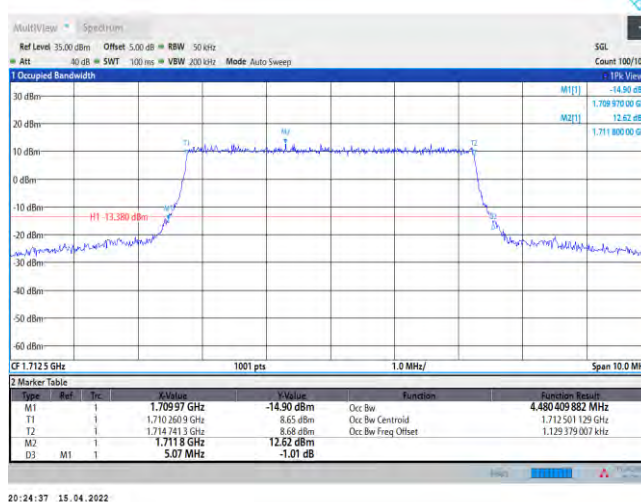
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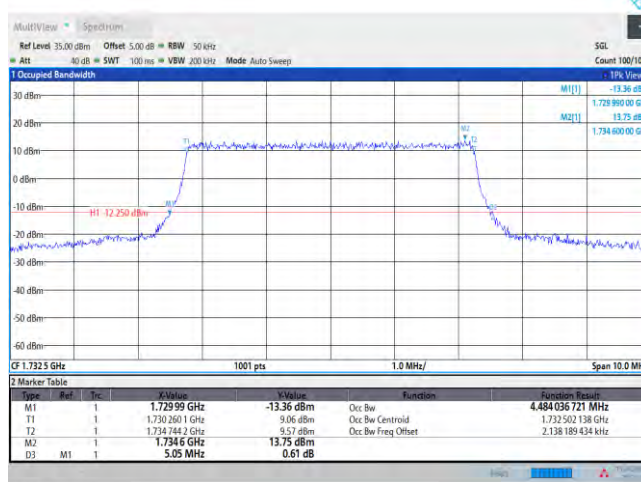
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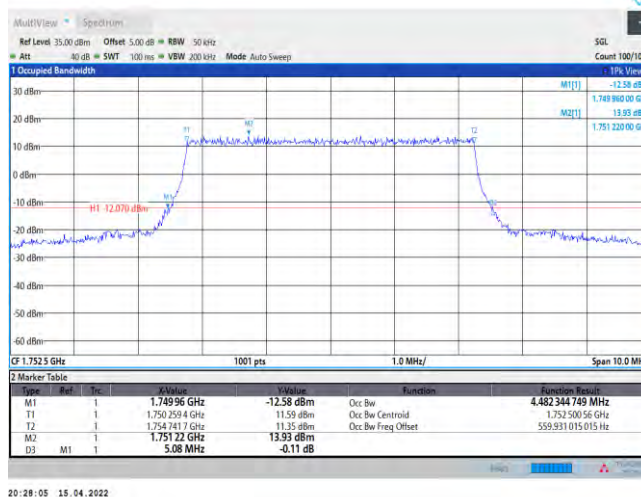
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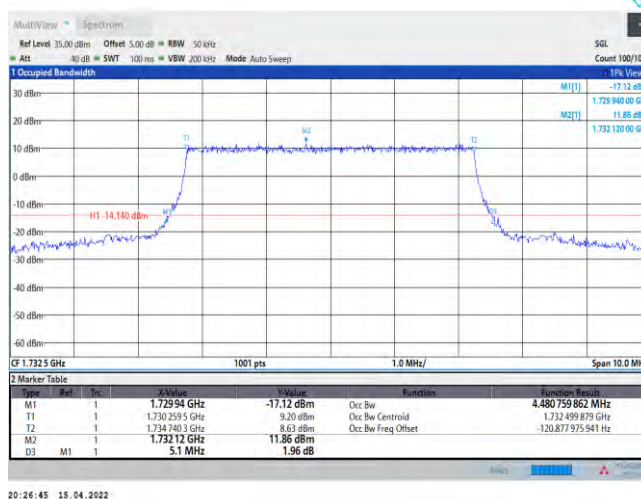
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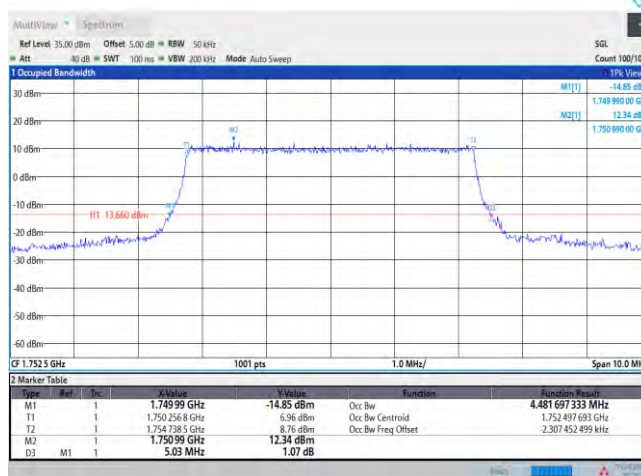
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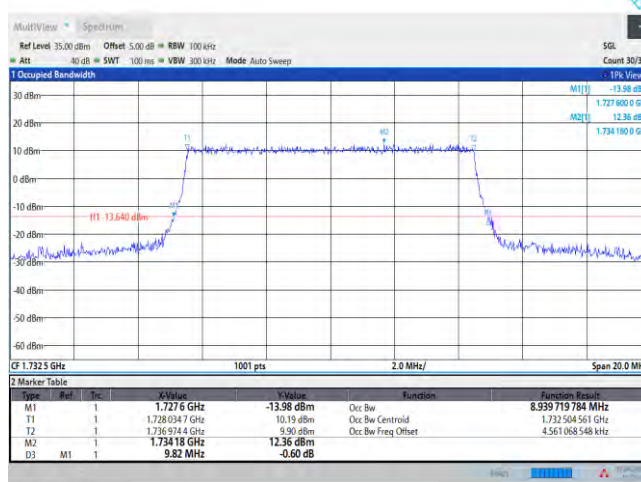
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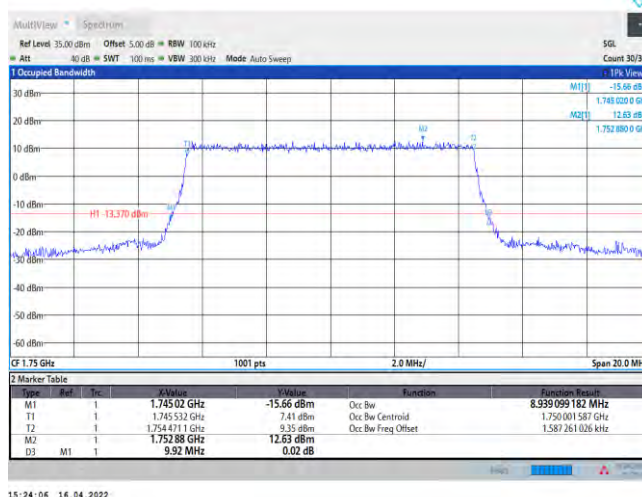
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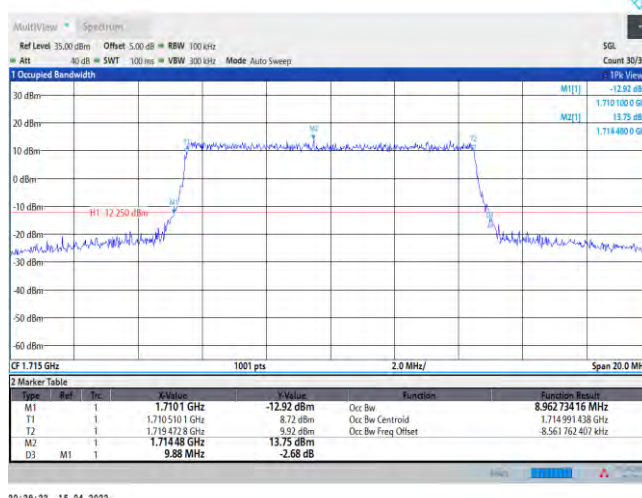
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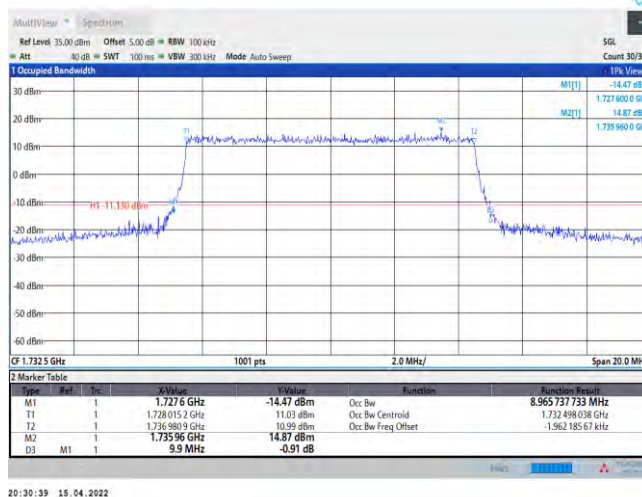
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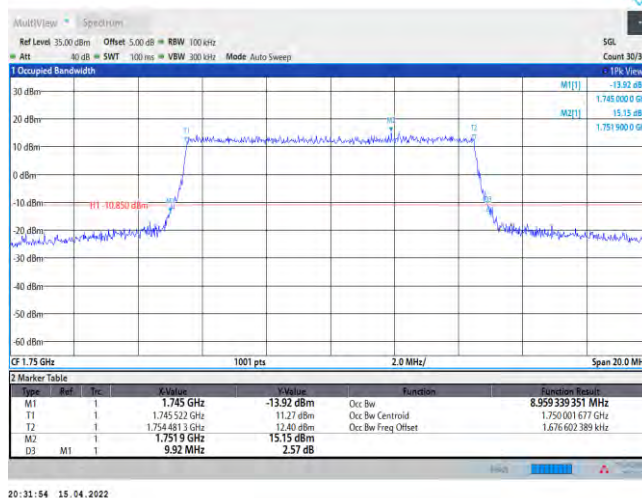
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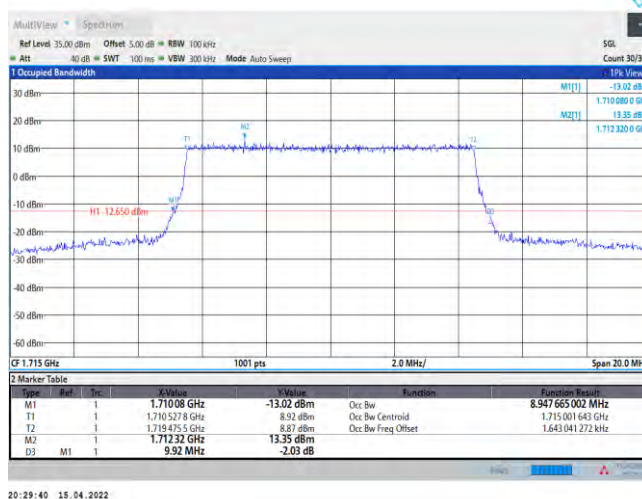
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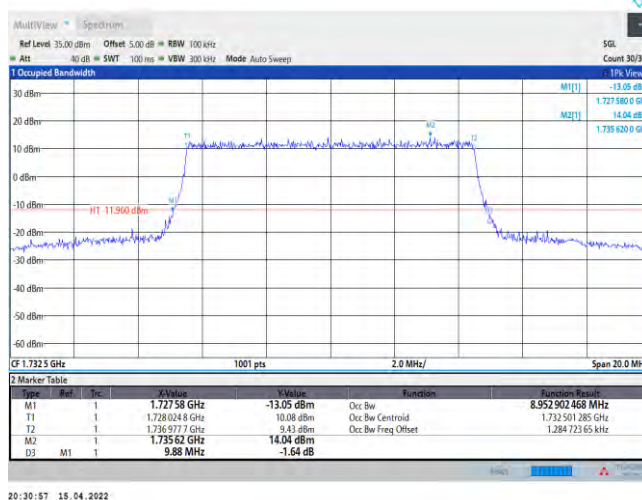
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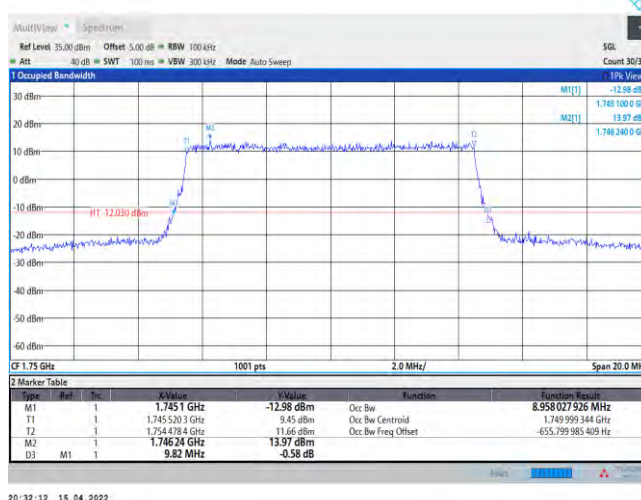
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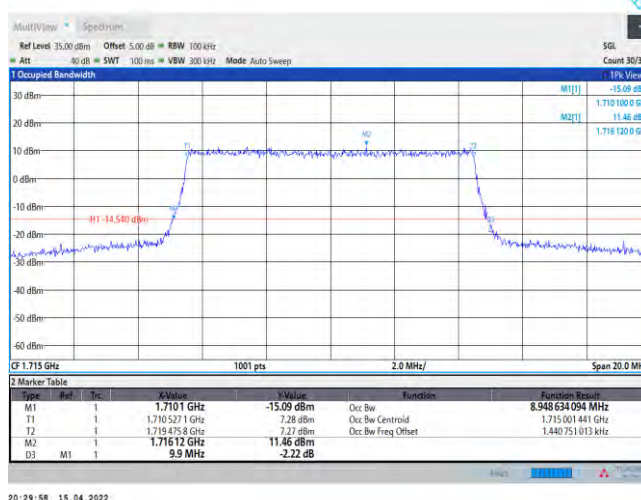
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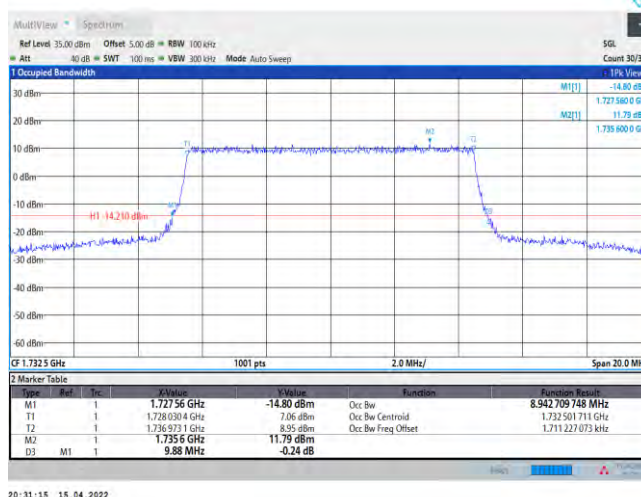
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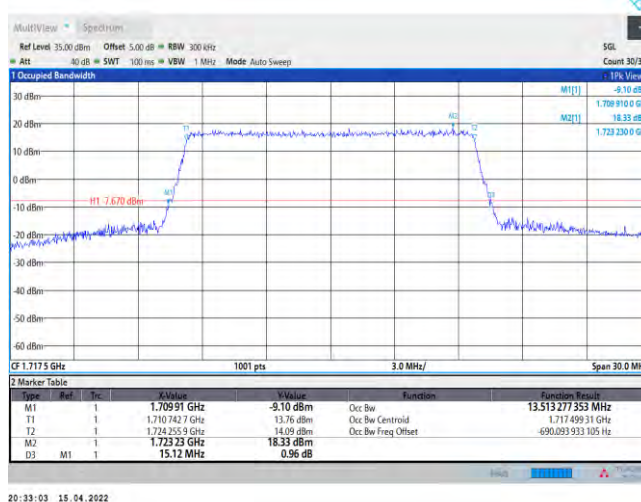
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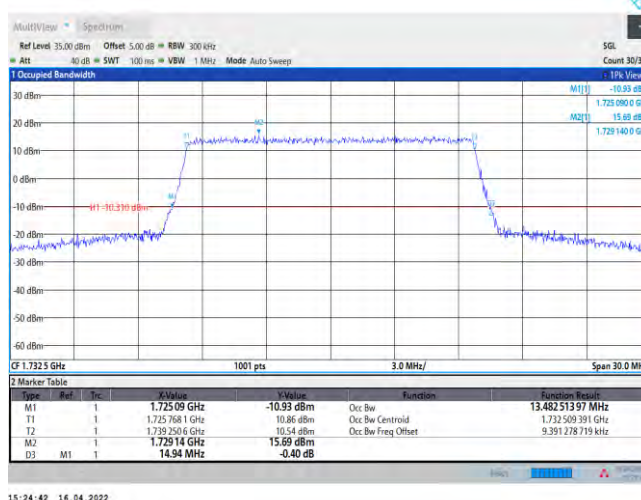
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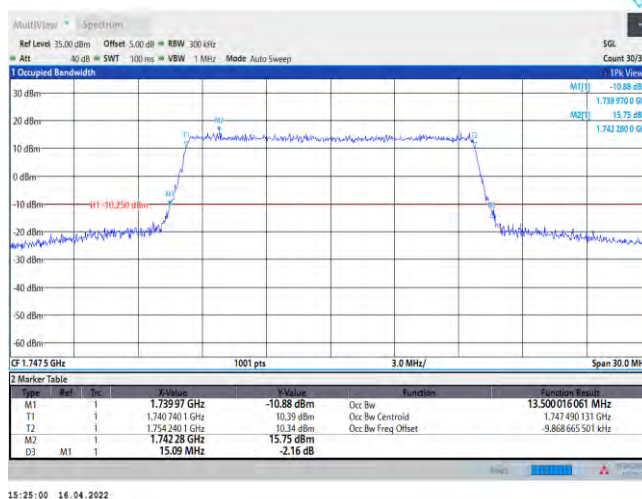
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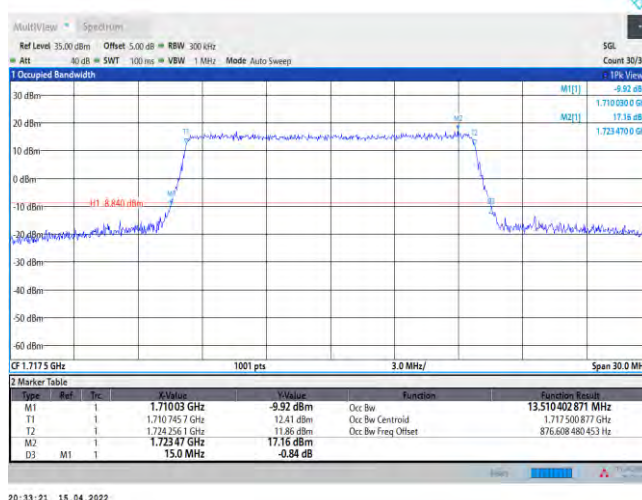
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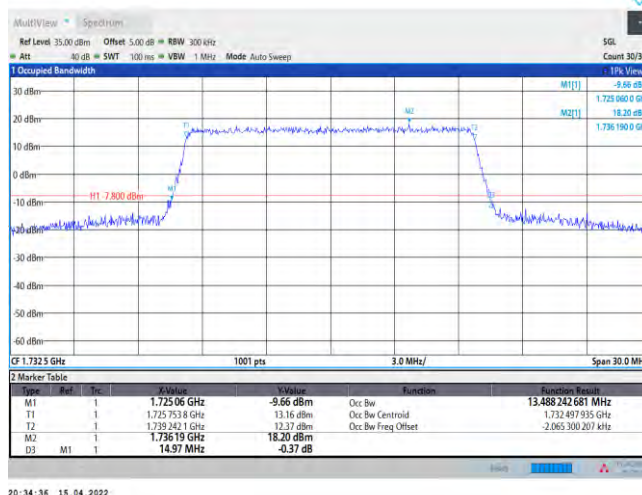
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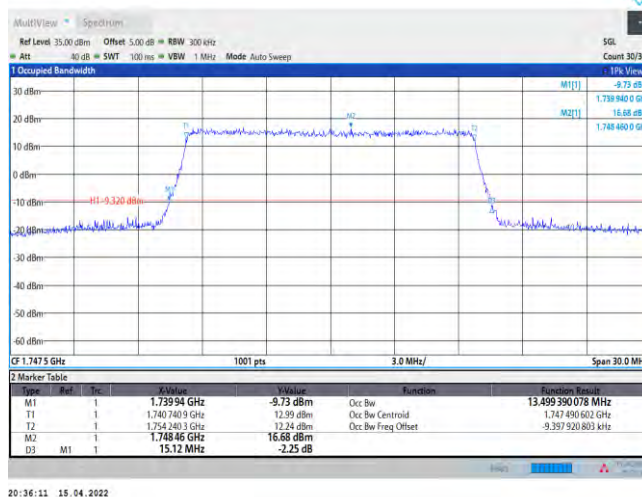
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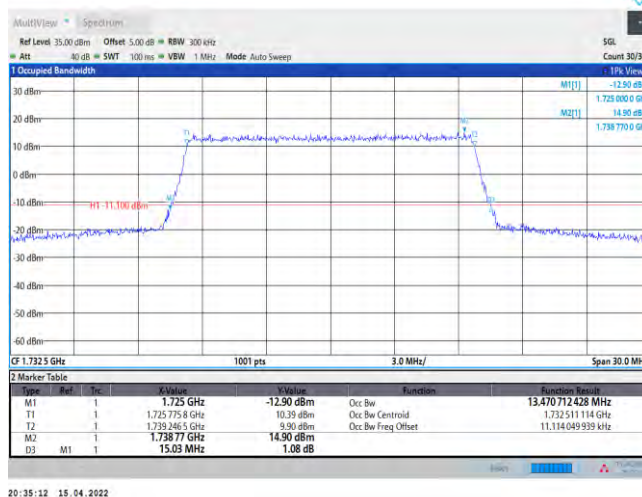
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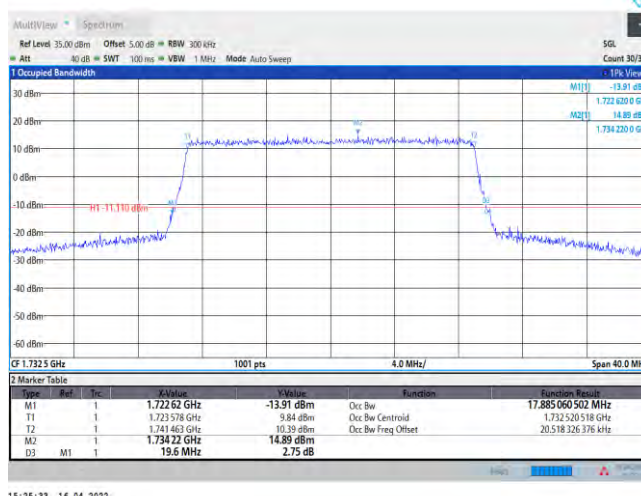
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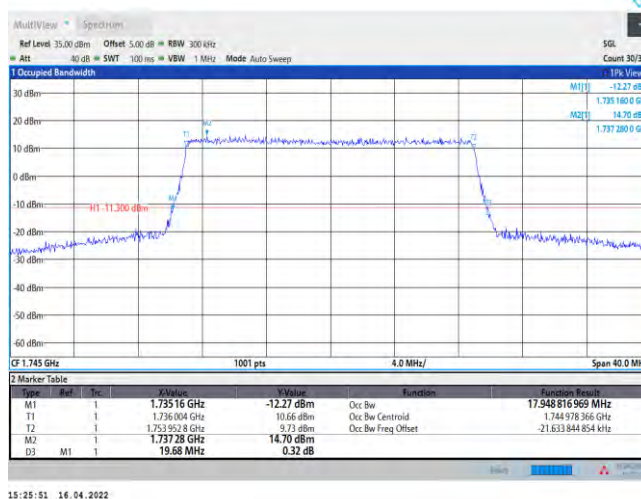
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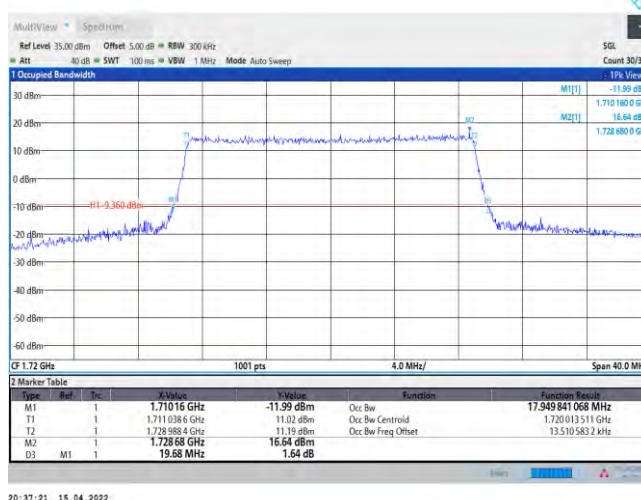
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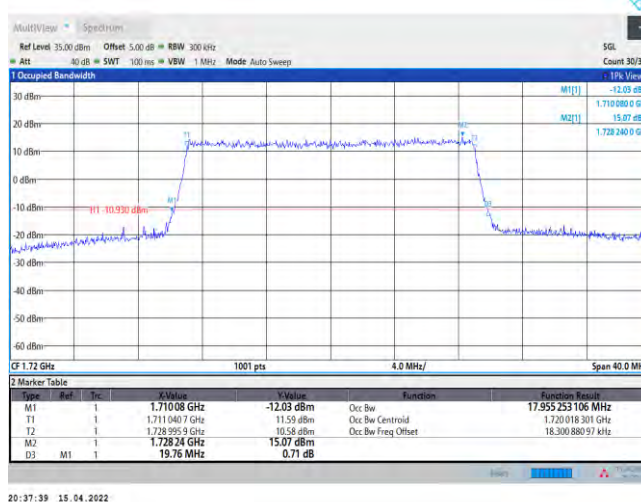
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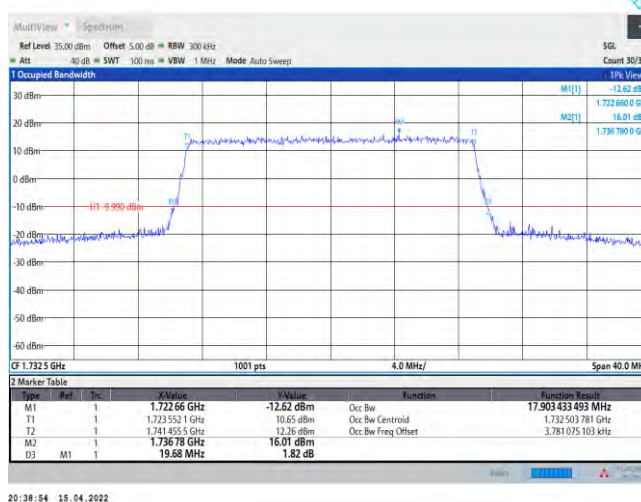
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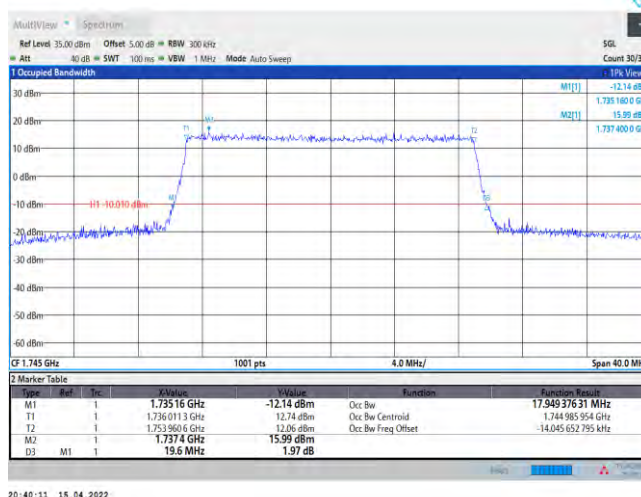
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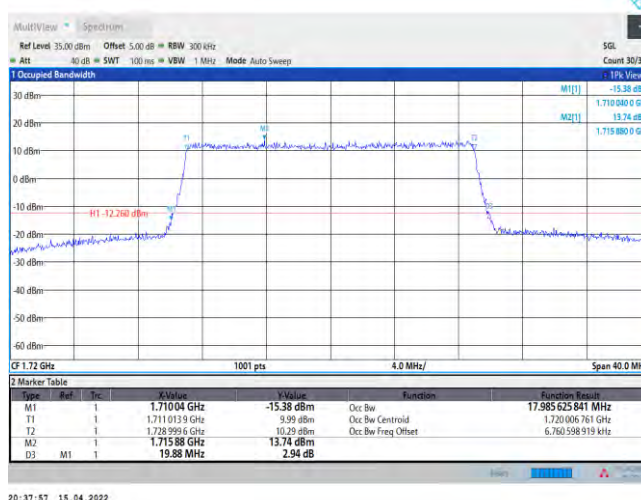
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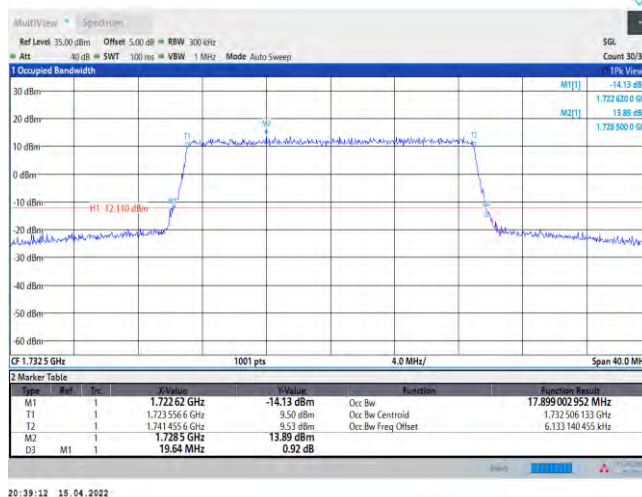
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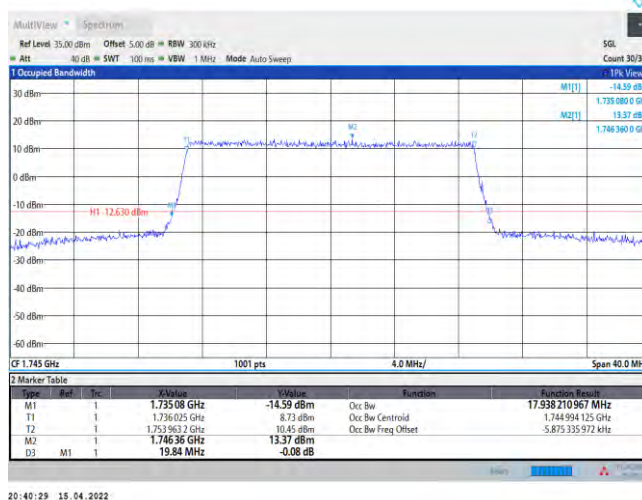
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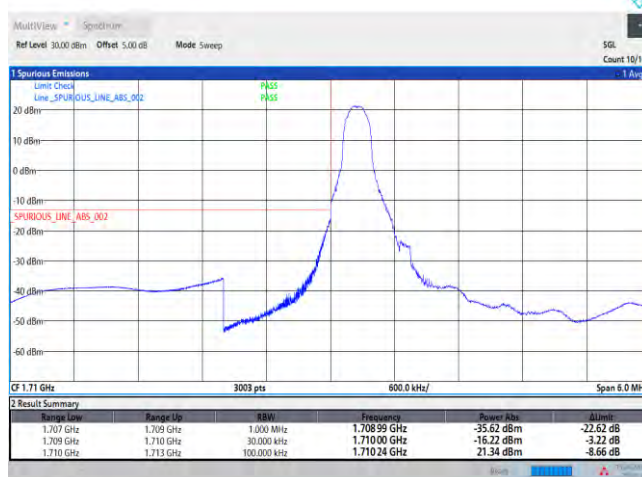
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Band Edge

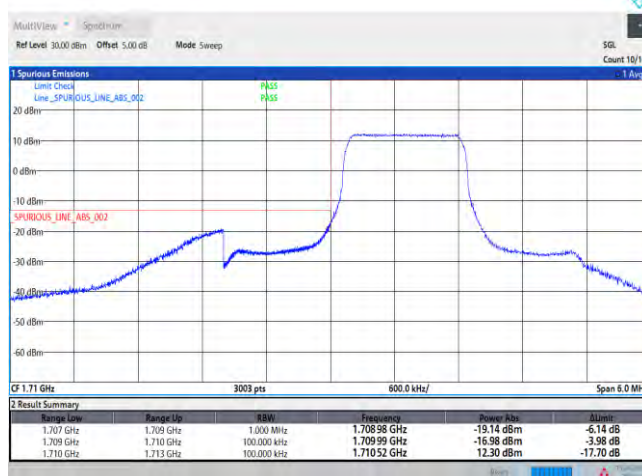
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Band4-1.4MHz-QPSK-19957-1RB#0



20:41:23 15.04.2022

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



20:41:52 15.04.2022



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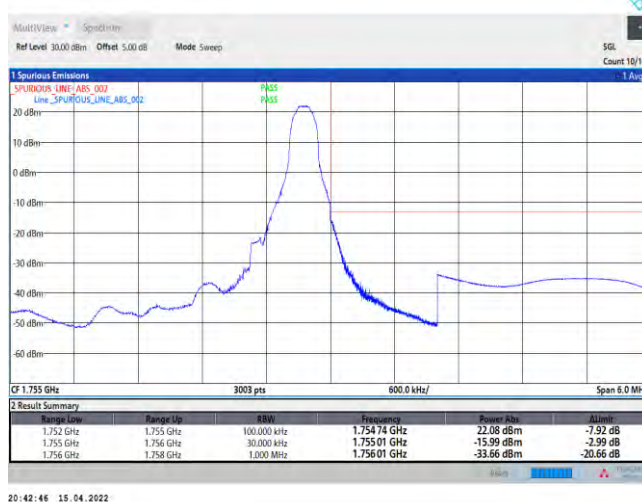
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Band4-1.4MHz-QPSK-20393-1RB#5



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



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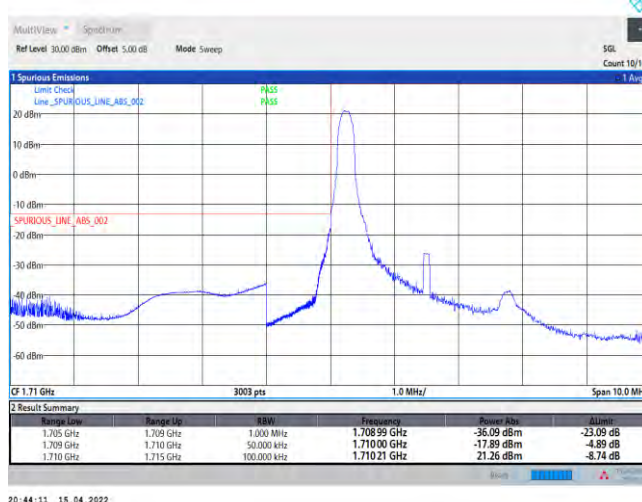
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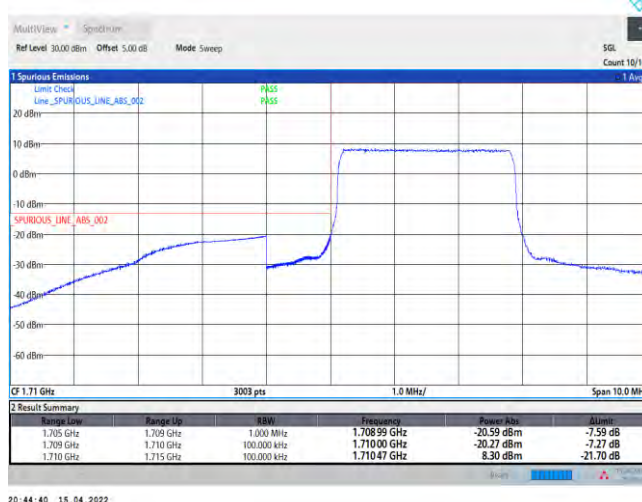
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Band4-3MHz-QPSK-19965-15RB#0



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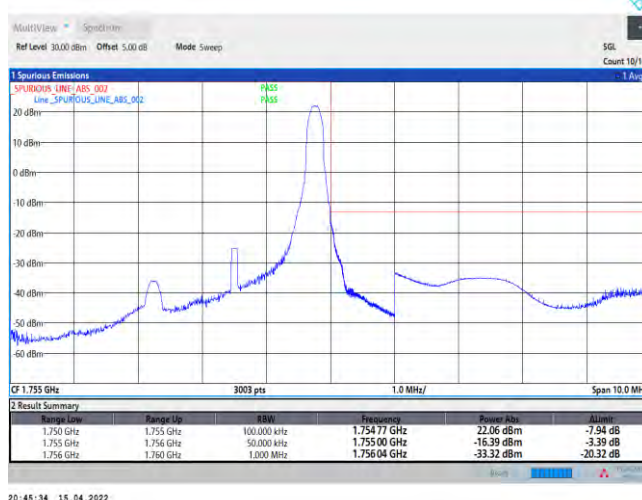
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Band4-3MHz-QPSK-20385-15RB#0



20:46:03 15.04.2022



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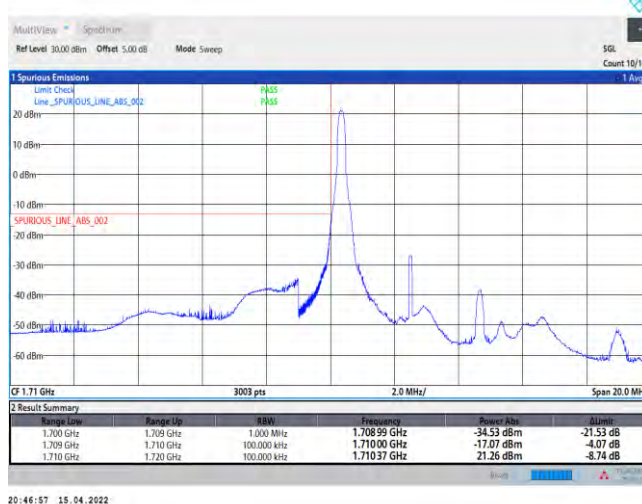
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Band4-5MHz-QPSK-19975-25RB#0



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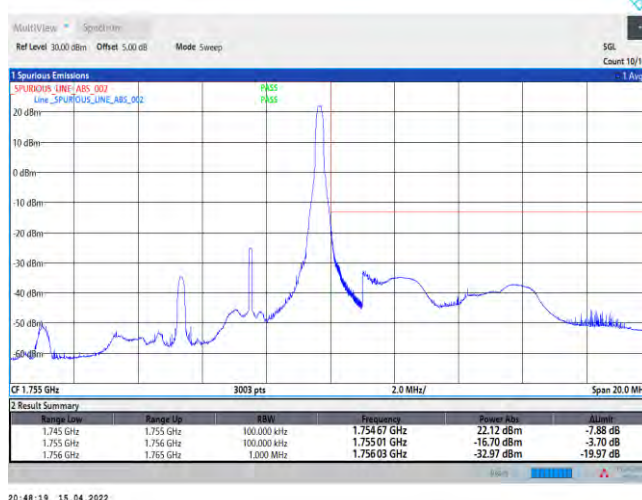
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Band4-5MHz-QPSK-20375-1RB#24



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



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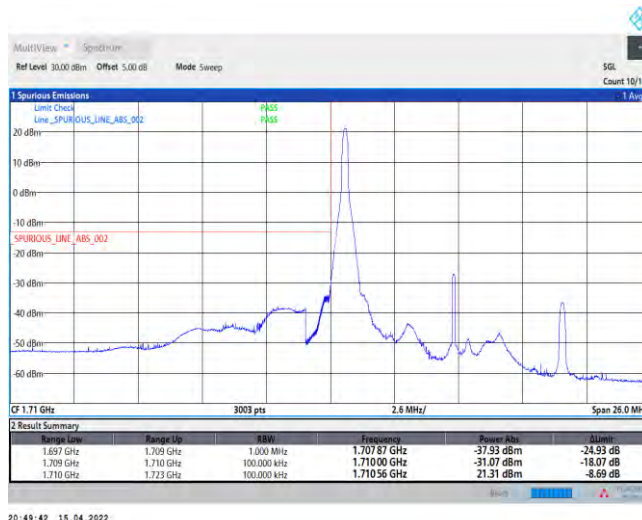
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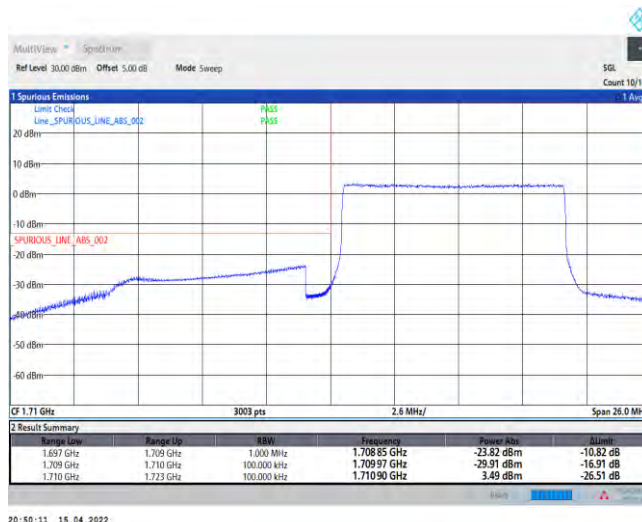
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Band4-10MHz-QPSK-20000-1RB#0



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



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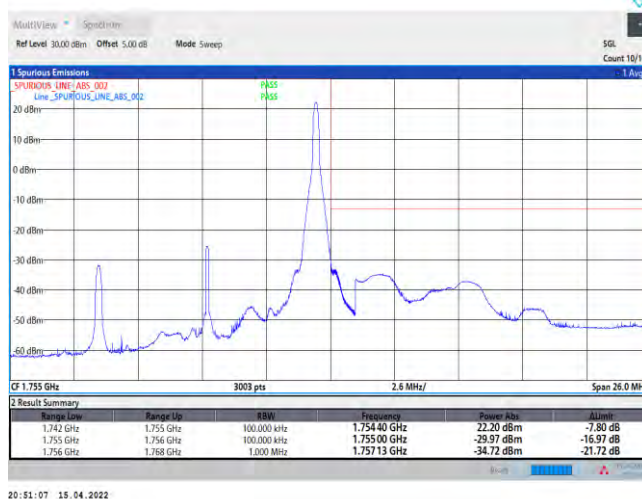
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Band4-10MHz-QPSK-20350-1RB#49



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



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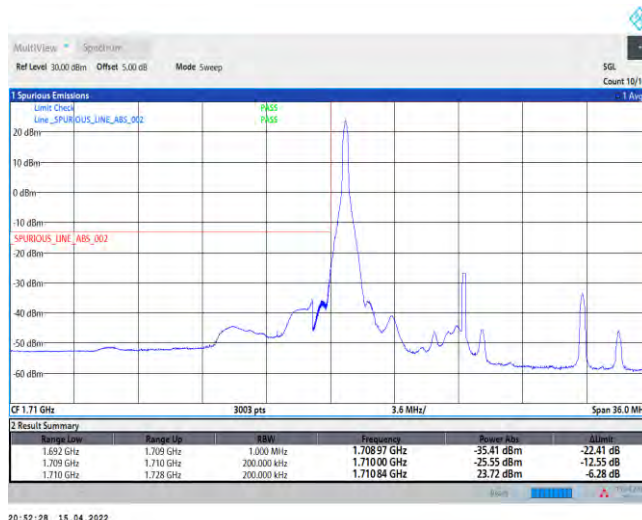
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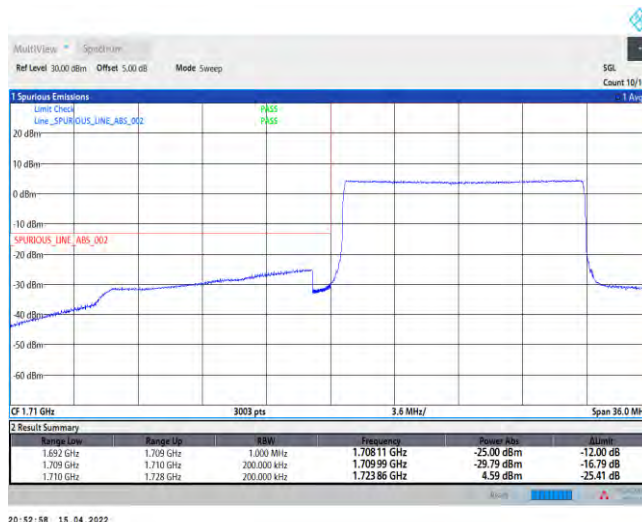
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Band4-15MHz-QPSK-20025-1RB#0



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



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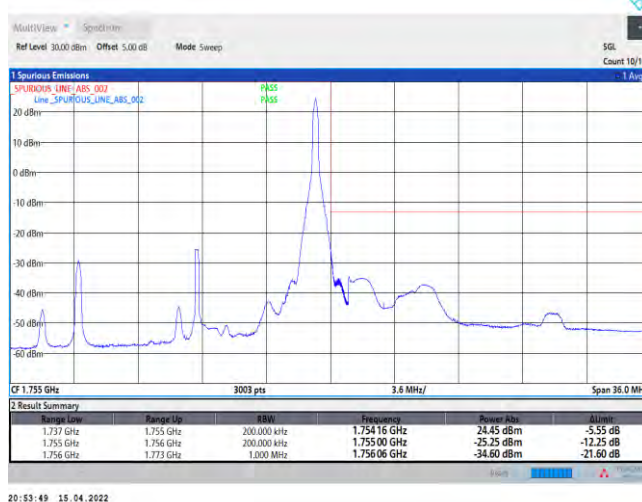
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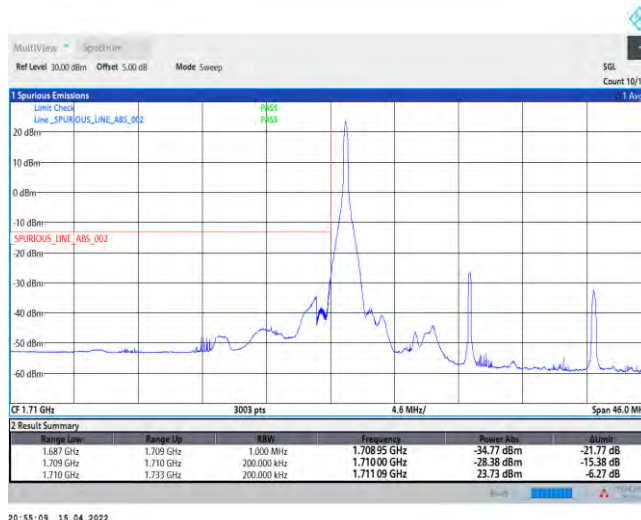
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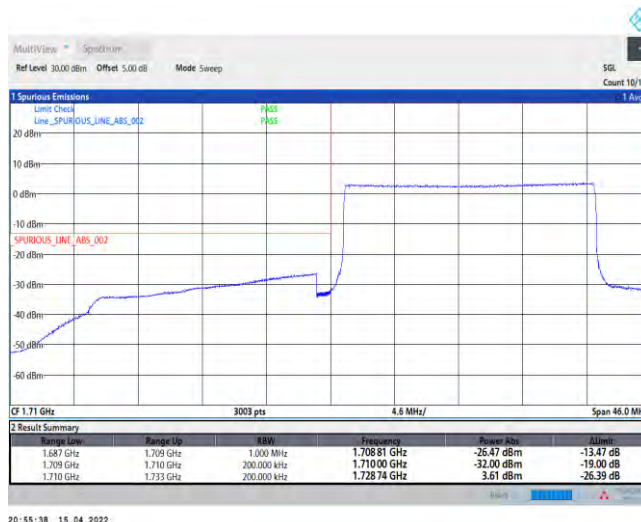
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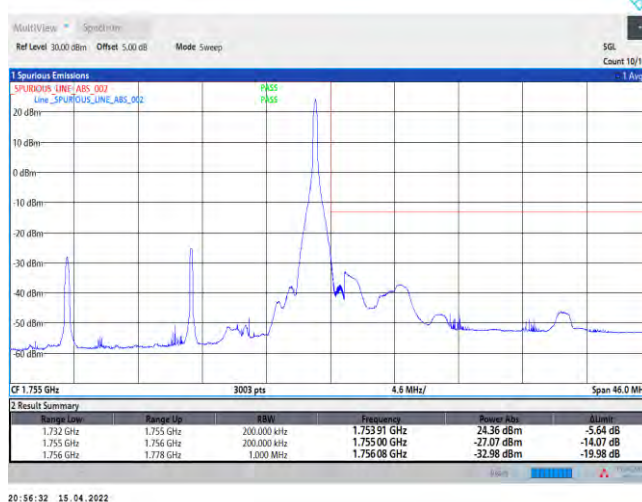
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Band4-20MHz-QPSK-20300-100RB#0



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Report No.: SEWA2304000052RG01

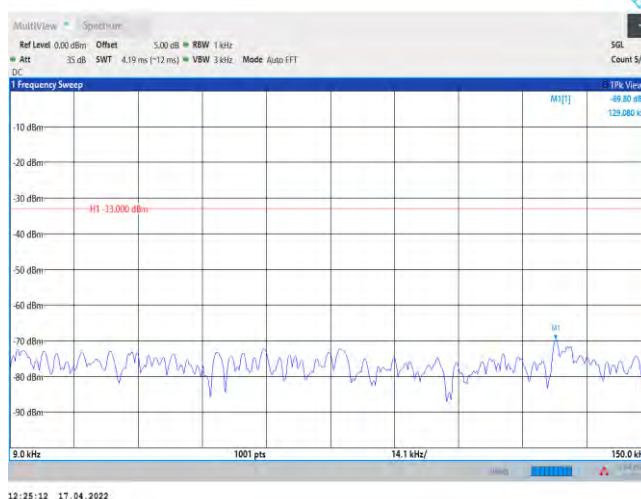
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Conducted Spurious Emission

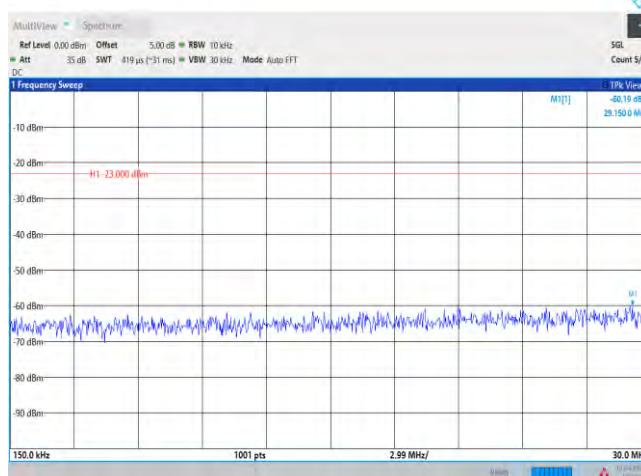
Test Graphs

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



12:25:12 17.04.2022

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



12:25:21 17.04.2022



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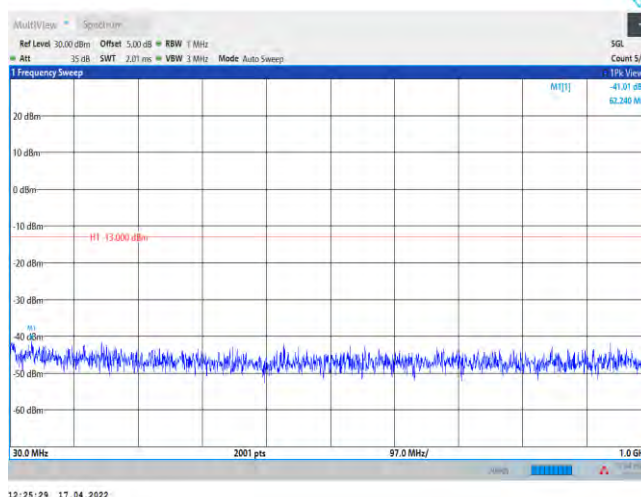
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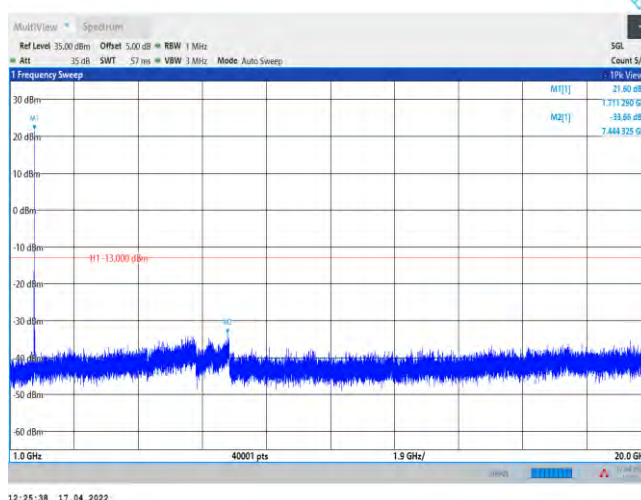
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



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



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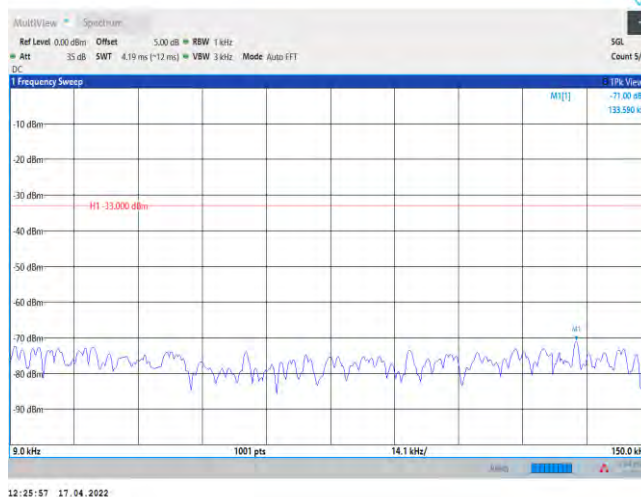
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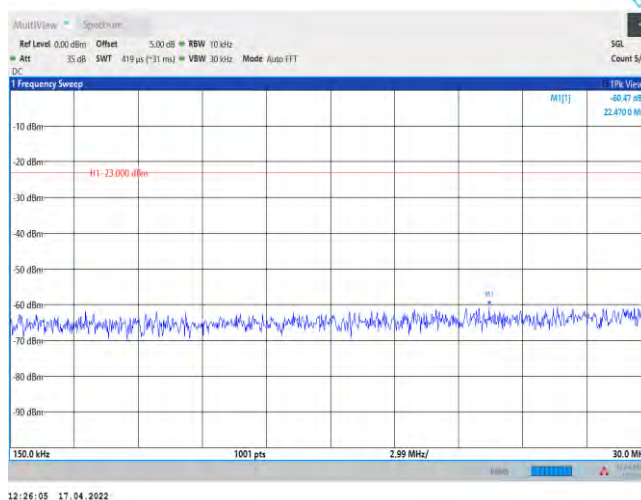
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



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



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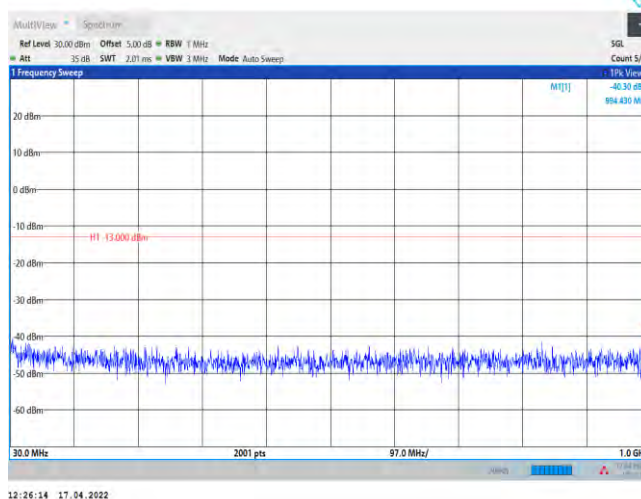
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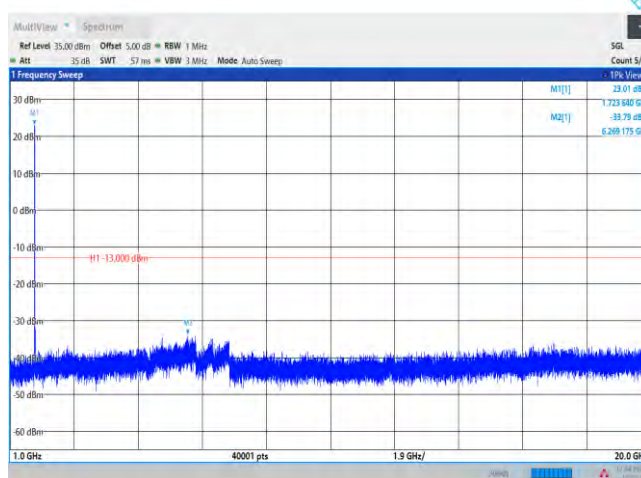
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



12:26:14 17.04.2022

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



12:26:23 17.04.2022



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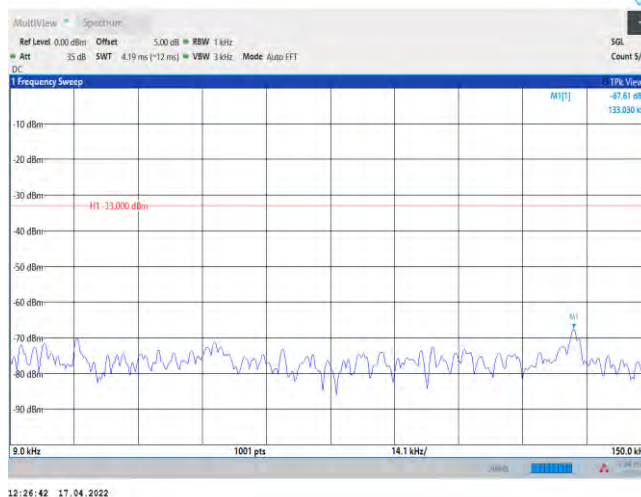
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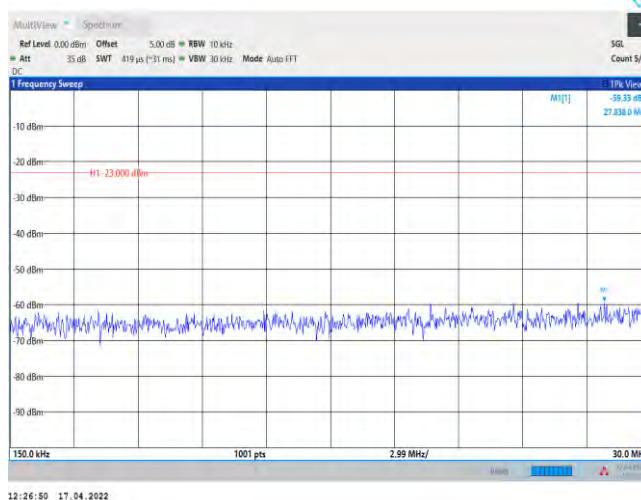
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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



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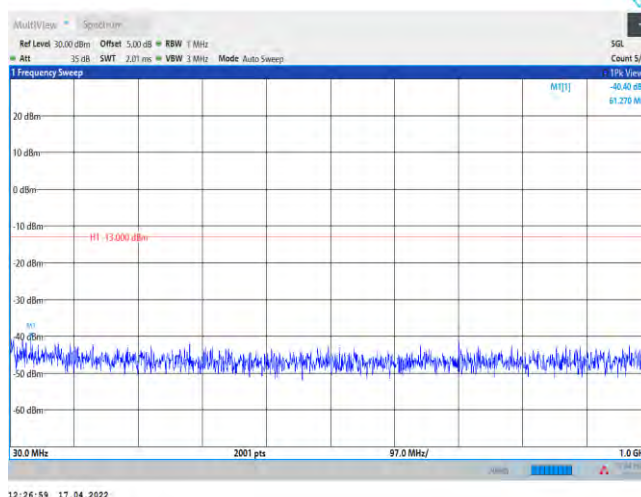
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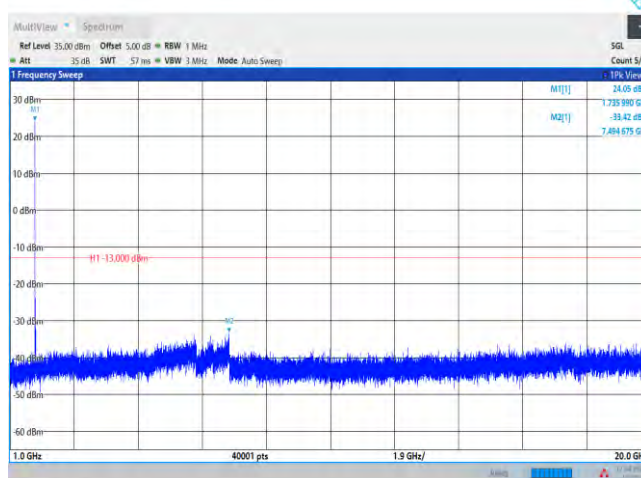
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



12:26:59 17.04.2022

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



12:27:08 17.04.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 4_ TM1

Test Channel = Low Channel

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	44.86	-46.28	29.45	-67.23	-13.00	54.23	245	341	Horizontal
2	5133.2700	42.84	-45.34	32.95	-64.81	-13.00	51.81	136	267	Horizontal
3	6844.3600	42.47	-44.14	35.89	-61.04	-13.00	48.04	258	147	Horizontal
4	8555.4500	37.47	-41.46	37.66	-61.59	-13.00	48.59	144	117	Horizontal
5	10266.540	35.03	-39.23	38.83	-60.63	-13.00	47.63	102	192	Horizontal
6	11977.630	31.47	-37.51	38.95	-62.36	-13.00	49.36	190	58	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	44.18	-46.28	29.45	-67.91	-13.00	54.91	161	360	Vertical
2	5133.2700	45.92	-45.34	32.95	-61.73	-13.00	48.73	123	179	Vertical
3	6844.3600	45.68	-44.14	35.89	-57.83	-13.00	44.83	261	150	Vertical
4	8555.4500	38.35	-41.46	37.66	-60.71	-13.00	47.71	158	208	Vertical
5	10266.540	34.24	-39.23	38.83	-61.42	-13.00	48.42	191	359	Vertical
6	11977.630	31.56	-37.51	38.95	-62.27	-13.00	49.27	175	150	Vertical



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Test Band = LTE Band 4_ TM1
Test Channel = Mid Channel
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	44.00	-46.27	29.47	-68.06	-13.00	55.06	222	344	Horizontal
2	5170.7700	42.85	-45.31	32.97	-64.74	-13.00	51.74	155	300	Horizontal
3	6894.3600	40.65	-44.10	35.95	-62.76	-13.00	49.76	147	283	Horizontal
4	8617.9500	38.98	-41.40	37.78	-59.90	-13.00	46.90	153	360	Horizontal
5	10341.540	34.37	-39.06	38.85	-61.10	-13.00	48.10	259	120	Horizontal
6	12065.130	31.70	-37.44	39.02	-61.98	-13.00	48.98	193	224	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	43.36	-46.27	29.47	-68.70	-13.00	55.70	245	44	Vertical
2	5170.7700	45.45	-45.31	32.97	-62.14	-13.00	49.14	133	192	Vertical
3	6894.3600	46.90	-44.10	35.95	-56.51	-13.00	43.51	259	149	Vertical
4	8617.9500	37.56	-41.40	37.78	-61.32	-13.00	48.32	175	357	Vertical
5	10341.540	34.93	-39.06	38.85	-60.54	-13.00	47.54	142	360	Vertical
6	12065.130	31.71	-37.44	39.02	-61.97	-13.00	48.97	162	352	Vertical



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Test Band = LTE Band 4_ TM1

Test Channel = High Channel

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	44.59	-46.27	29.50	-67.44	-13.00	54.44	201	342	Horizontal
2	5208.2700	41.81	-45.26	32.98	-65.73	-13.00	52.73	154	57	Horizontal
3	6944.3600	40.30	-43.85	36.01	-62.80	-13.00	49.80	175	4	Horizontal
4	8680.4500	38.17	-41.62	37.88	-60.83	-13.00	47.83	136	117	Horizontal
5	10416.540	33.66	-38.97	38.88	-61.70	-13.00	48.70	259	360	Horizontal
6	12152.630	32.75	-37.42	39.09	-60.84	-13.00	47.84	155	359	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	43.19	-46.27	29.50	-68.84	-13.00	55.84	215	43	Vertical
2	5208.2700	46.42	-45.26	32.98	-61.12	-13.00	48.12	148	165	Vertical
3	6944.3600	40.52	-43.85	36.01	-62.58	-13.00	49.58	156	179	Vertical
4	8680.4500	38.45	-41.62	37.88	-60.55	-13.00	47.55	299	360	Vertical
5	10416.540	33.91	-38.97	38.88	-61.45	-13.00	48.45	182	165	Vertical
6	12152.630	31.87	-37.42	39.09	-61.72	-13.00	48.72	302	283	Vertical



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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	-1.20	-0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-2.20	-0.001270	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.00	0.000000	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.00	-0.000577	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.20	-0.001270	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.00	-0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.30	-0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.10	-0.000635	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.10	-0.000058	PASS

The End



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