

Appendix B.4

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant14

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.41	21.91	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.07	22.57	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.08	22.58	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.08	21.58	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.26	22.76	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.12	22.62	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.94	22.44	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.1	21.6	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.32	22.82	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.18	22.68	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.01	22.51	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.11	21.61	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.13	21.63	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.09	21.59	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.29	21.79	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.14	20.64	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.25	21.75	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.14	21.64	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.12	21.62	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.16	20.66	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.04	21.54	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.11	21.61	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.27	21.77	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.16	20.66	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.07	20.57	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.3	20.8	30	PASS



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Band4	1.4MHz	64QAM	19957	1RB#5	22.24	20.74	30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.1	19.6	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	22.25	20.75	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.22	20.72	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.19	20.69	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.13	19.63	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.09	20.59	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.23	20.73	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.2	20.7	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.12	19.62	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	19.09	17.59	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	19.21	17.71	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	19.21	17.71	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	19.08	17.58	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	19.22	17.72	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	19.22	17.72	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	19.17	17.67	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	19.1	17.6	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	19.13	17.63	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	19.23	17.73	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	19.03	17.53	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	19.05	17.55	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.87	22.37	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.05	22.55	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.02	22.52	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.04	21.54	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.25	22.75	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.21	22.71	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.03	22.53	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.06	21.56	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.33	22.83	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.06	22.56	30	PASS



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Band4	3MHz	QPSK	20385	1RB#14	23.97	22.47	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.14	21.64	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.31	21.81	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.22	21.72	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.2	21.7	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.1	20.6	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.98	21.48	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.05	21.55	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.2	21.7	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.04	20.54	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.96	21.46	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.2	21.7	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.34	21.84	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.09	20.59	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.22	20.72	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.31	20.81	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	22.26	20.76	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.12	19.62	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.99	20.49	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.35	20.85	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.28	20.78	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.08	19.58	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.23	20.73	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.29	20.79	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.29	20.79	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.15	19.65	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	19.16	17.66	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	19.18	17.68	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	19.19	17.69	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	19.07	17.57	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	18.95	17.45	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	19.29	17.79	30	PASS



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Band4	3MHz	256QAM	20175	1RB#14	19.31	17.81	30	PASS
Band4	3MHz	256QAM	20175	15RB#0	19.05	17.55	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	18.98	17.48	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	19.22	17.72	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	19.13	17.63	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	19.1	17.6	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.92	22.42	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.07	22.57	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.13	22.63	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.14	21.64	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.32	22.82	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.03	22.53	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	24	22.5	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.01	21.51	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.26	22.76	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.03	22.53	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.03	22.53	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.11	21.61	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.16	21.66	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.18	21.68	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.22	21.72	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.03	20.53	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.19	21.69	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.24	21.74	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.25	21.75	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.03	20.53	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.05	21.55	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.18	21.68	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.21	21.71	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.15	20.65	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.22	20.72	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.3	20.8	30	PASS



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Band4	5MHz	64QAM	19975	1RB#24	22.29	20.79	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.1	19.6	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.09	20.59	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.25	20.75	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.17	20.67	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.02	19.52	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.05	20.55	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.22	20.72	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.23	20.73	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.1	19.6	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	19.14	17.64	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	19.23	17.73	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	19.18	17.68	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	19.07	17.57	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	19.15	17.65	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	19.34	17.84	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	19.24	17.74	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	19.02	17.52	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	19.12	17.62	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	19.13	17.63	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	19.03	17.53	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	19.14	17.64	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.93	22.43	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.15	22.65	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	24	22.5	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.16	21.66	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.25	22.75	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.13	22.63	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.06	22.56	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.04	21.54	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.27	22.77	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.07	22.57	30	PASS



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Band4	10MHz	QPSK	20350	1RB#49	24.08	22.58	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.08	21.58	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.02	21.52	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.18	21.68	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.14	21.64	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.09	20.59	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.04	21.54	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.22	21.72	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	23	21.5	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.07	20.57	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.97	21.47	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.16	21.66	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.05	21.55	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.1	20.6	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.26	20.76	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.35	20.85	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.38	20.88	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.09	19.59	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.17	20.67	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.37	20.87	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.21	20.71	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.08	19.58	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.14	20.64	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.24	20.74	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.25	20.75	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.07	19.57	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	19.13	17.63	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	19.35	17.85	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	19.24	17.74	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	19.07	17.57	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	19.05	17.55	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	19.16	17.66	30	PASS



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Band4	10MHz	256QAM	20175	1RB#49	19.15	17.65	30	PASS
Band4	10MHz	256QAM	20175	50RB#0	19.04	17.54	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	19.14	17.64	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	19.24	17.74	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	19.09	17.59	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	19.03	17.53	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.83	22.33	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.9	22.4	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.99	22.49	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	23	21.5	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.23	22.73	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.91	22.41	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.1	22.6	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.96	21.46	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.16	22.66	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.9	22.4	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.08	22.58	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.9	21.4	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.06	21.56	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.16	21.66	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.11	21.61	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.01	20.51	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.97	21.47	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.01	21.51	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.16	21.66	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.92	20.42	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.79	21.29	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.15	21.65	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.54	22.04	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.91	20.41	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.92	20.42	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.9	20.4	30	PASS



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Band4	15MHz	64QAM	20025	1RB#74	22.08	20.58	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.98	19.48	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.07	20.57	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.16	20.66	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.12	20.62	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.95	19.45	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.86	20.36	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.09	20.59	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.07	20.57	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.92	19.42	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	19.01	17.51	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	19.02	17.52	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	19.18	17.68	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	18.96	17.46	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	19.09	17.59	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	19.02	17.52	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	19.26	17.76	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	18.9	17.4	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	18.73	17.23	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	18.98	17.48	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	19.07	17.57	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	18.92	17.42	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.69	22.19	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.84	22.34	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.09	22.59	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.97	21.47	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.12	22.62	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.03	22.53	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.21	22.71	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.99	21.49	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.09	22.59	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.91	22.41	30	PASS



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Band4	20MHz	QPSK	20300	1RB#99	24.09	22.59	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.91	21.41	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.9	21.4	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.05	21.55	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.04	21.54	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.08	20.58	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.93	21.43	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.02	21.52	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.19	21.69	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.91	20.41	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.79	21.29	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.29	21.79	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.04	21.54	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.86	20.36	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.83	20.33	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.07	20.57	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.17	20.67	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.96	19.46	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.95	20.45	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.09	20.59	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	22.22	20.72	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.93	19.43	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	22	20.5	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.08	20.58	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.13	20.63	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.81	19.31	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	18.95	17.45	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	19.13	17.63	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	19.07	17.57	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	19.04	17.54	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	18.91	17.41	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	19.03	17.53	30	PASS



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Rev.: 01

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Band4	20MHz	256QAM	20175	1RB#99	19.18	17.68	30	PASS
Band4	20MHz	256QAM	20175	100RB#0	18.97	17.47	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	18.76	17.26	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	18.95	17.45	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	18.99	17.49	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	18.87	17.37	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	5.12	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.98	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.80	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.00	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.96	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.86	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.34	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.30	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.22	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	6.52	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.44	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	6.42	13	PASS



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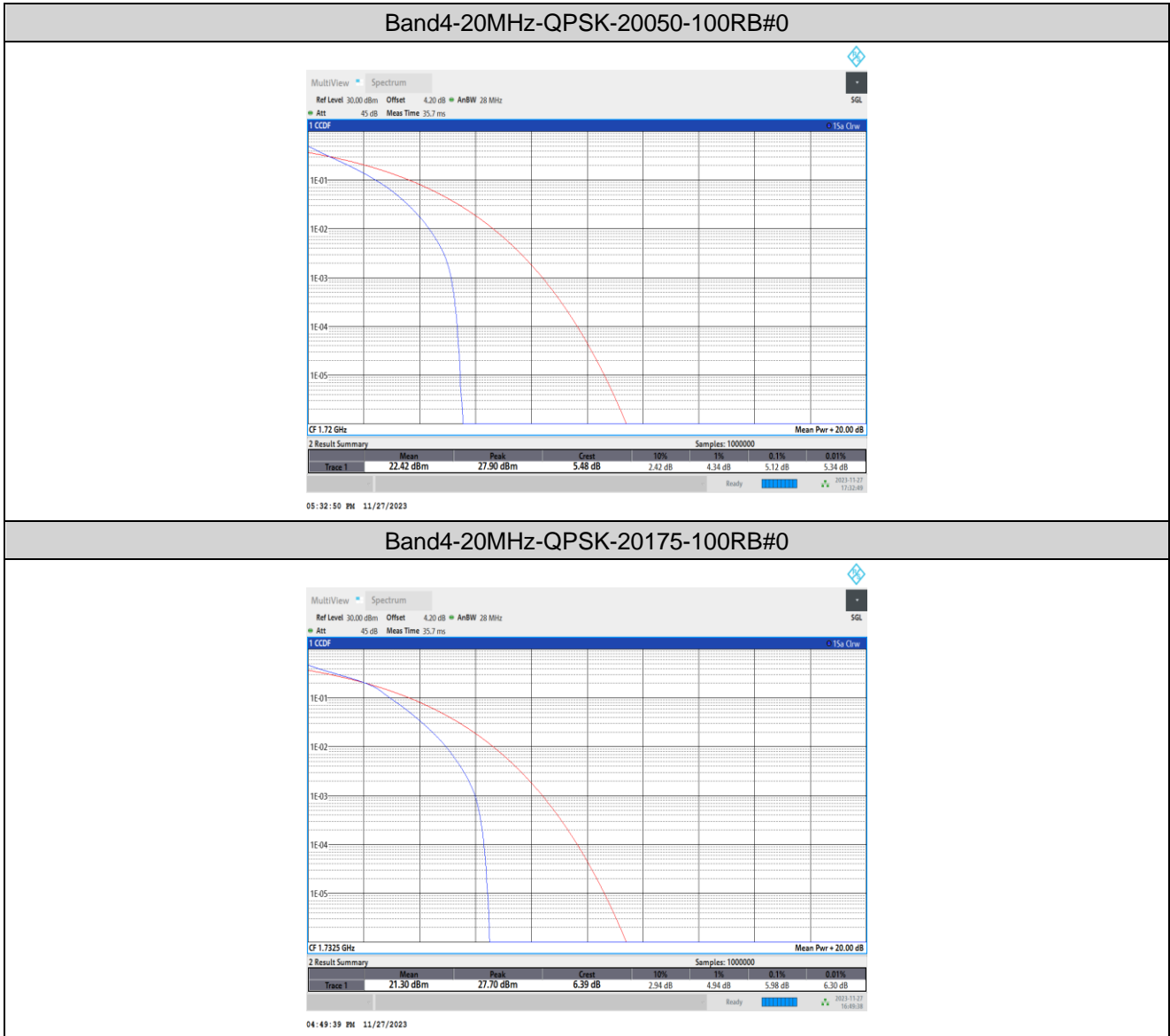
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Test Graphs

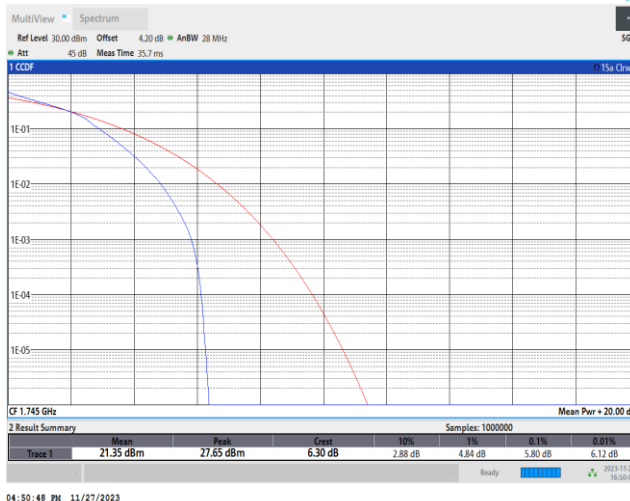


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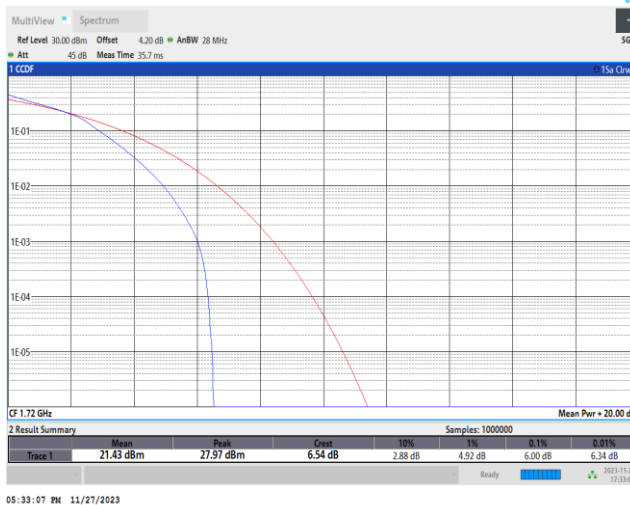
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Band4-20MHz-QPSK-20300-100RB#0



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

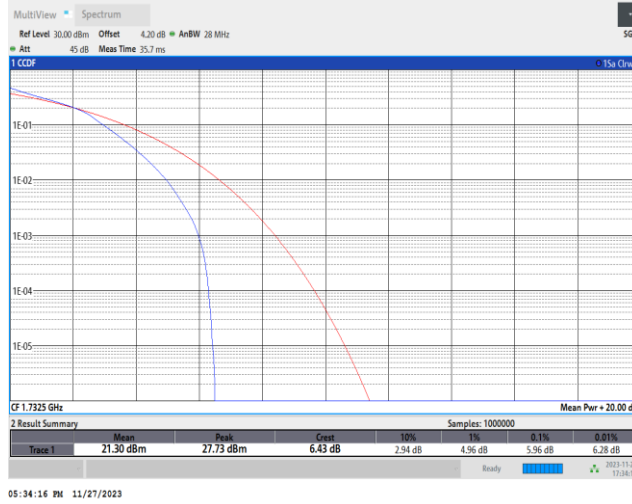


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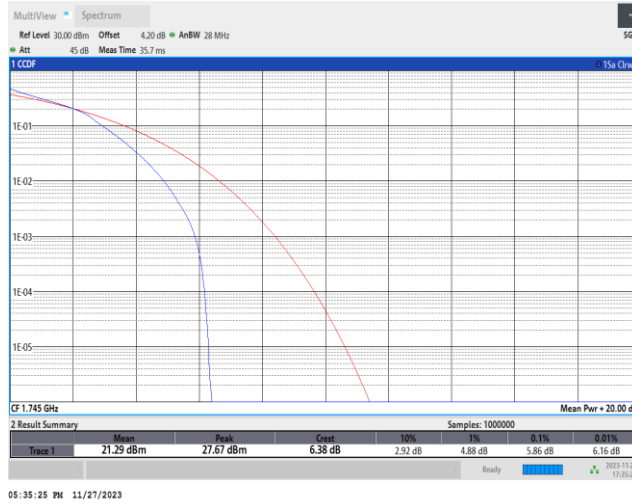
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Band4-20MHz-16QAM-20175-100RB#0



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

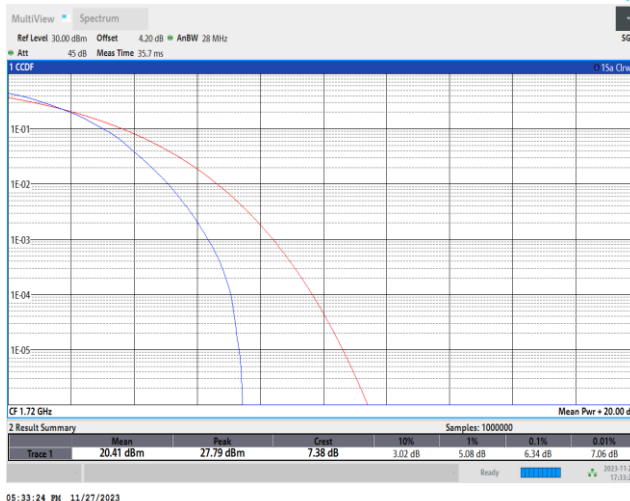


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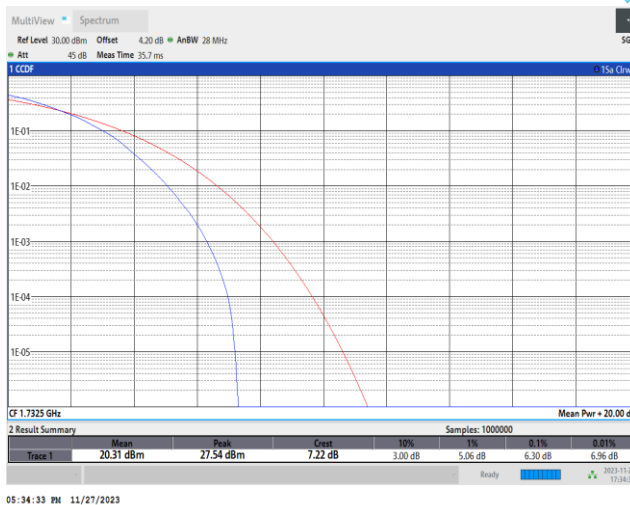
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Band4-20MHz-64QAM-20050-100RB#0



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

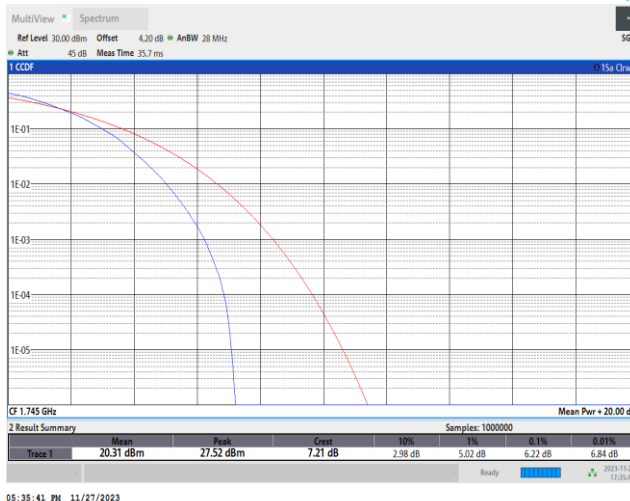


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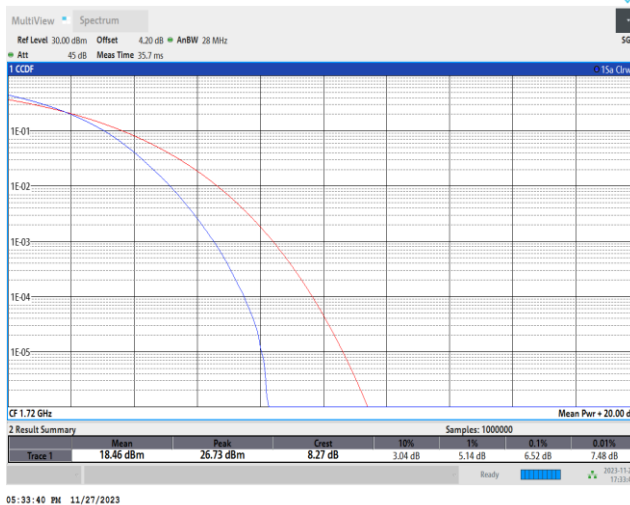
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Band4-20MHz-64QAM-20300-100RB#0



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

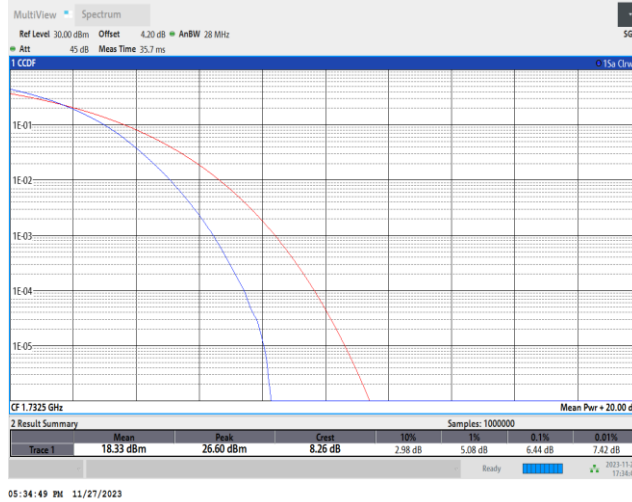


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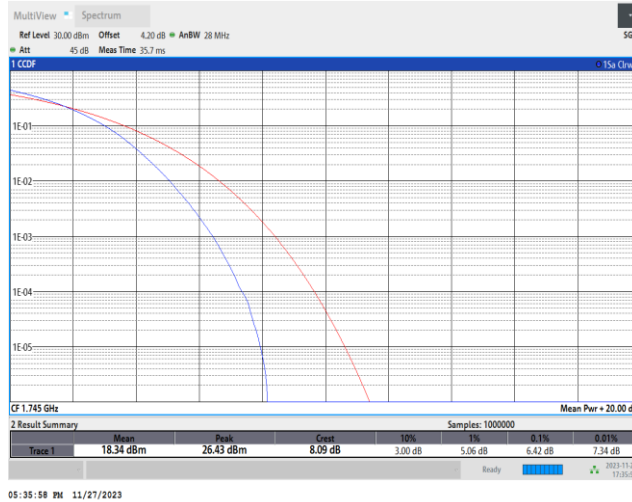
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Band4-20MHz-256QAM-20175-100RB#0



Band4-20MHz-256QAM-20300-100RB#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	20175	6RB#0	1.109	1.38	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.108	1.42	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.104	1.37	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.106	1.42	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.692	3.06	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.697	3.04	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.696	3.05	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.695	3.02	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.478	5.11	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.475	5.06	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.479	5.09	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.48	5.02	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.952	10.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.963	10.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.946	9.86	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.947	9.84	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.49	15.06	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.496	15.12	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.48	15.09	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.478	14.97	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.929	19.80	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.916	19.52	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.925	19.76	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.91	19.68	PASS



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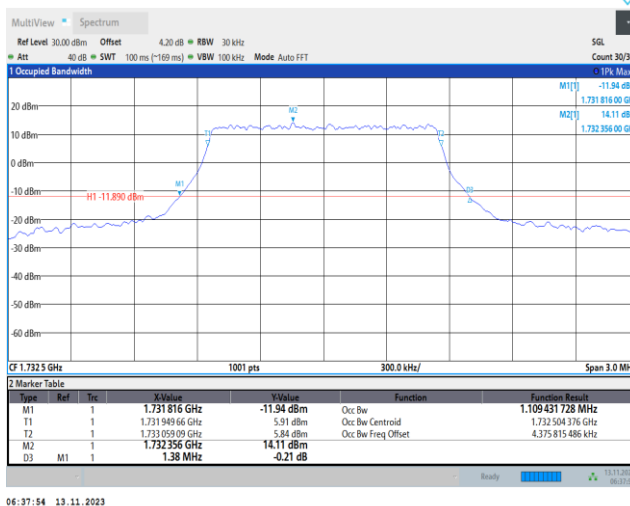
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Wireless Laboratory

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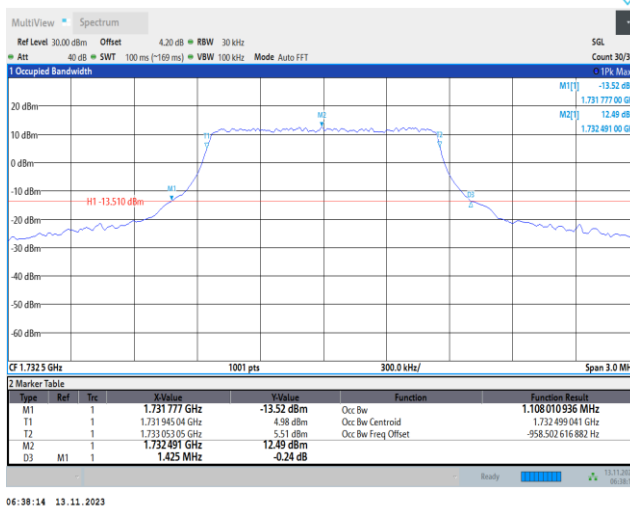
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Test Graphs

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



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

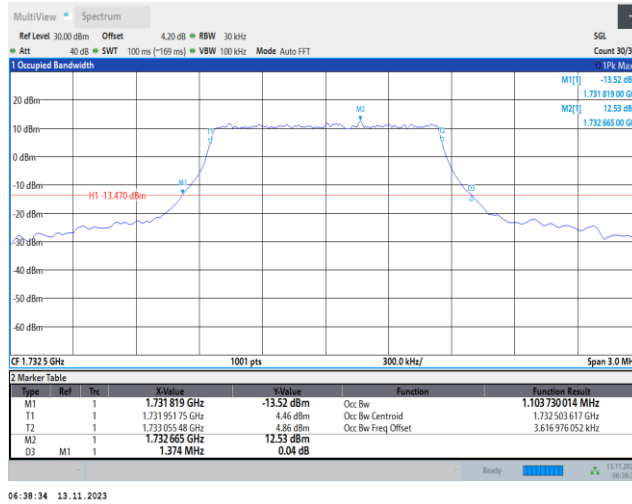


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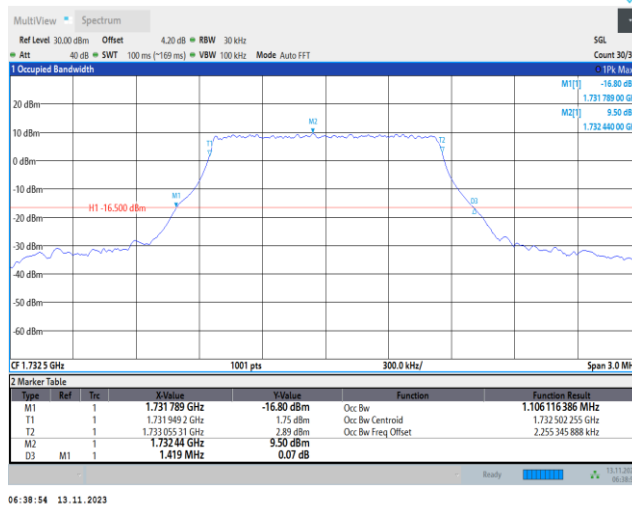
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Band4-1.4MHz-64QAM-20175-6RB#0



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

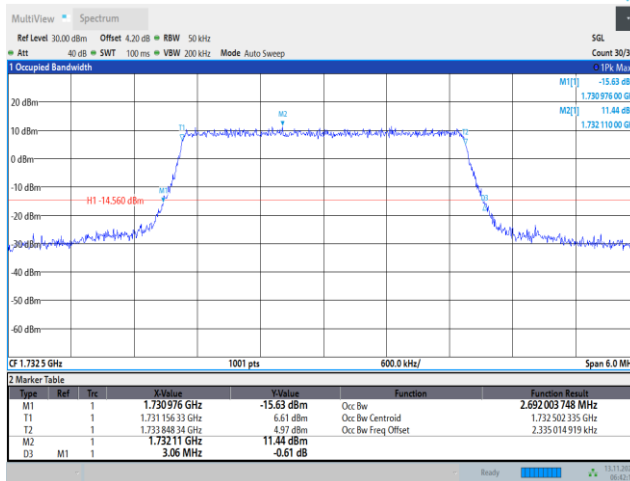


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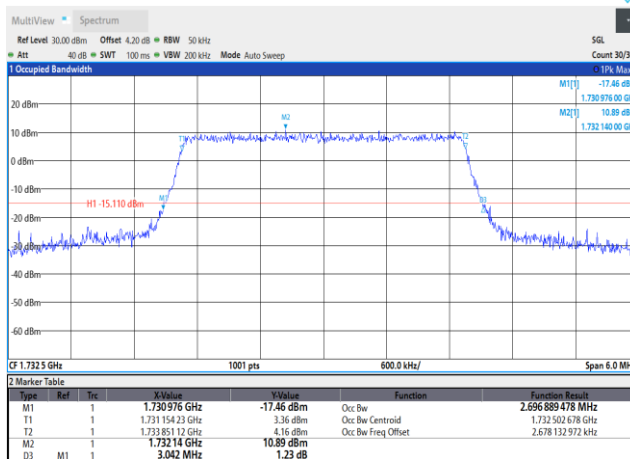
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Band4-3MHz-QPSK-20175-15RB#0



06:42:11 13.11.2023

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



06:42:30 13.11.2023

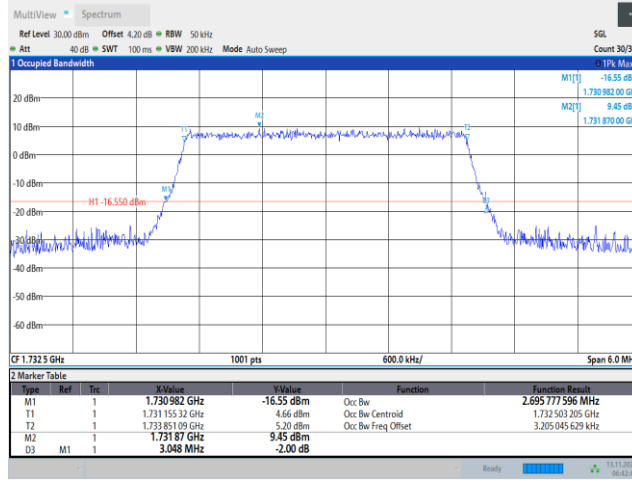


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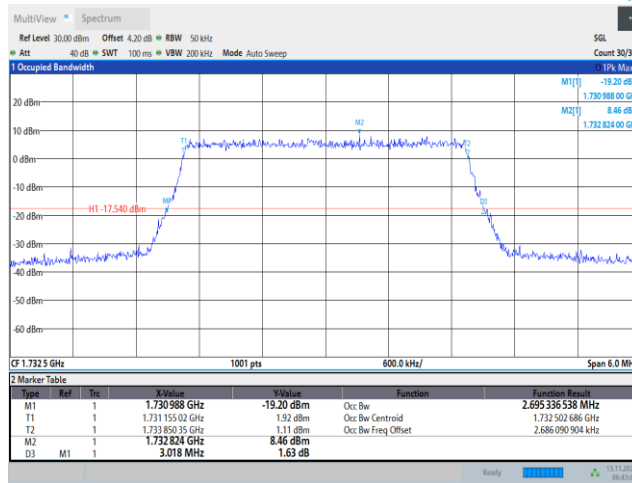
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Band4-3MHz-64QAM-20175-15RB#0



06:42:49 13.11.2023

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



06:43:08 13.11.2023

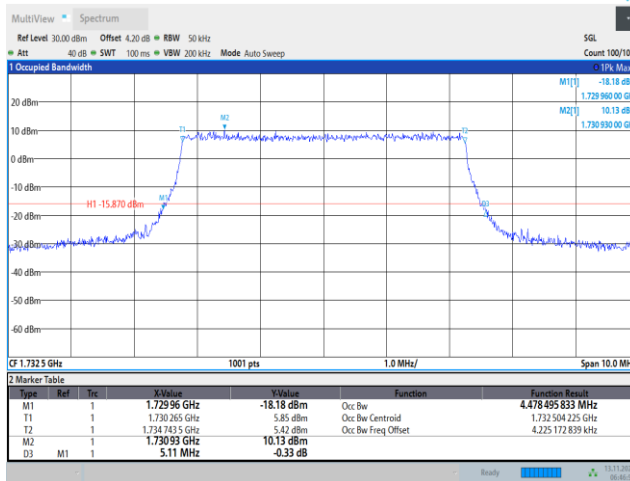


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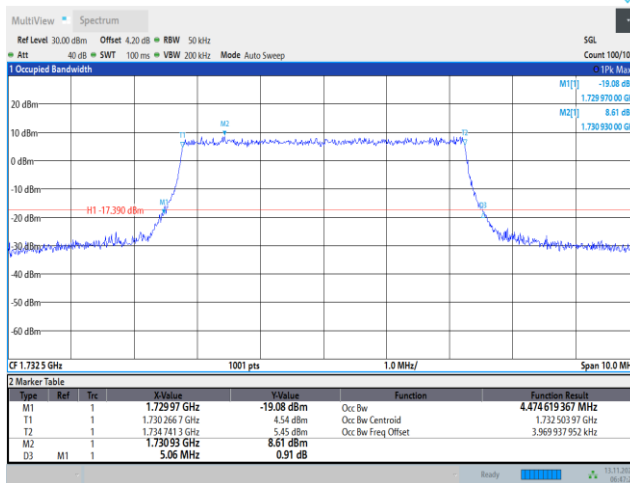
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Band4-5MHz-QPSK-20175-25RB#0



06:46:56 13.11.2023

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



06:47:22 13.11.2023

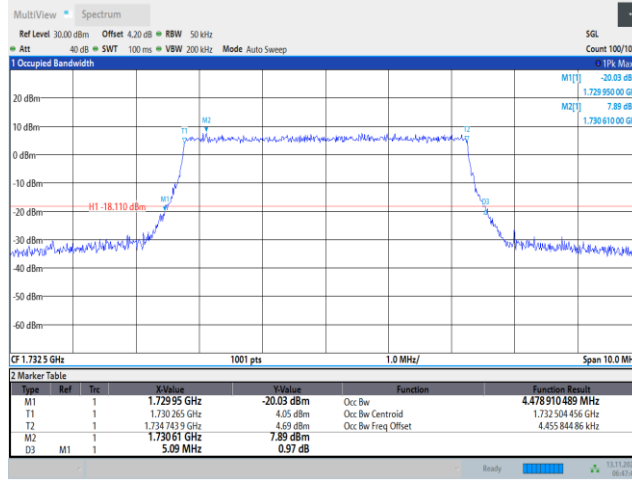


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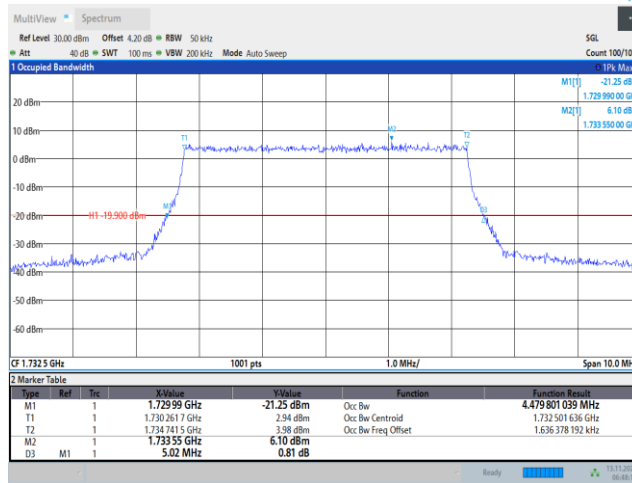
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Band4-5MHz-64QAM-20175-25RB#0



06:47:48 13.11.2023

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



06:48:14 13.11.2023

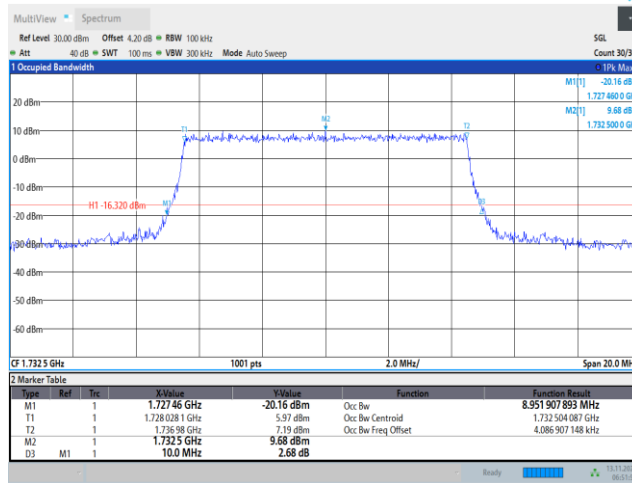


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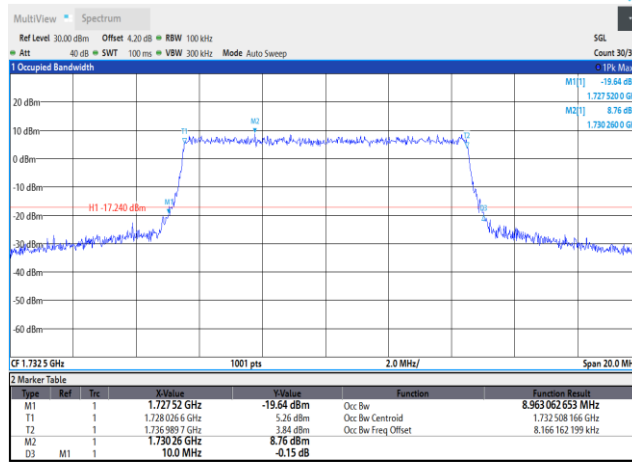
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Band4-10MHz-QPSK-20175-50RB#0



06:51:51 13.11.2023

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



06:52:10 13.11.2023

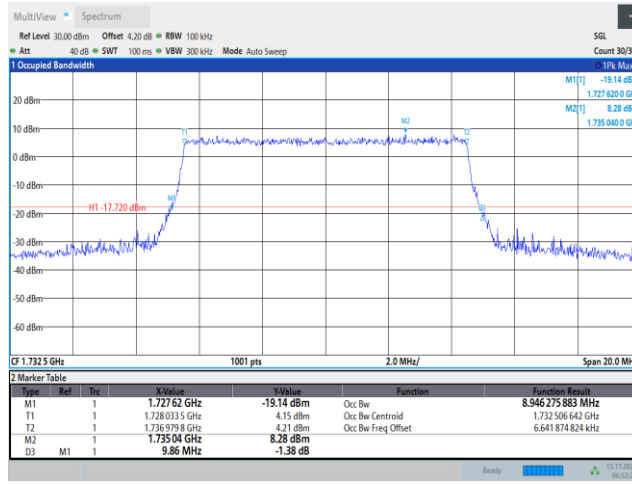


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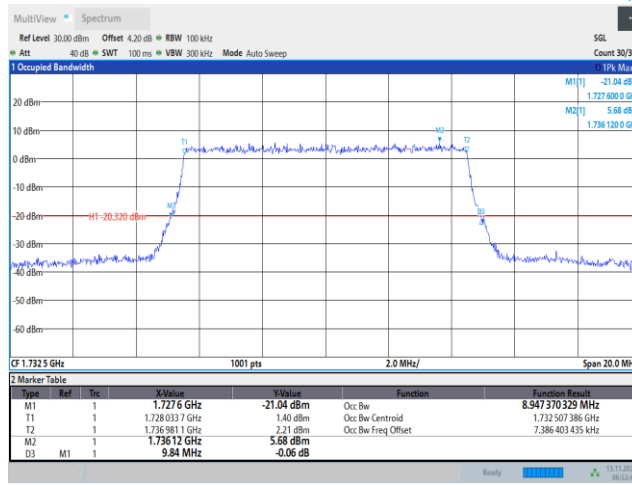
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Band4-10MHz-64QAM-20175-50RB#0



06:52:29 13.11.2023

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



06:52:48 13.11.2023

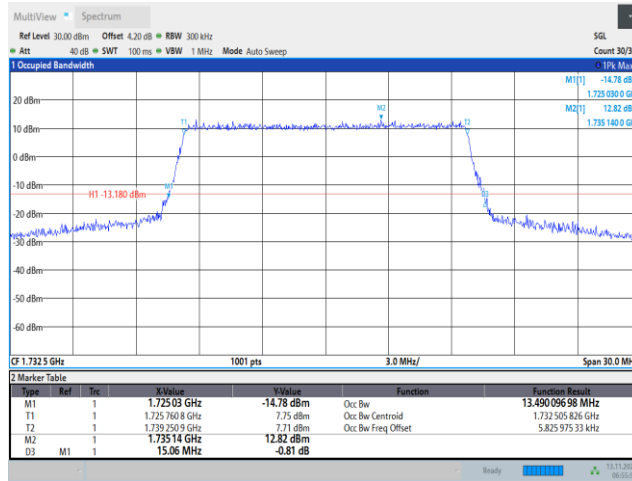


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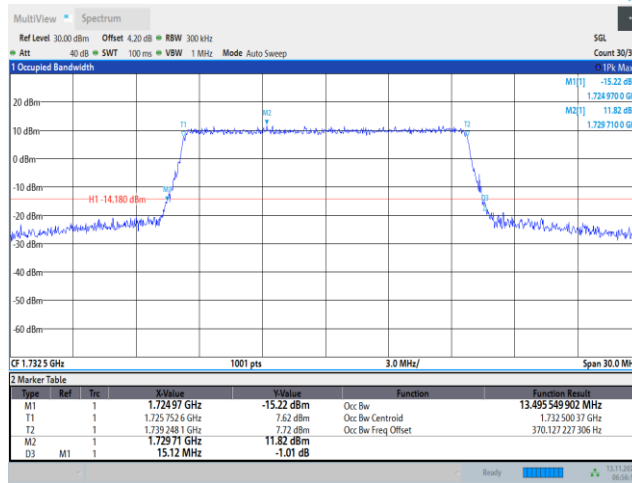
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Band4-15MHz-QPSK-20175-75RB#0



06:55:57 13.11.2023

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



06:56:16 13.11.2023

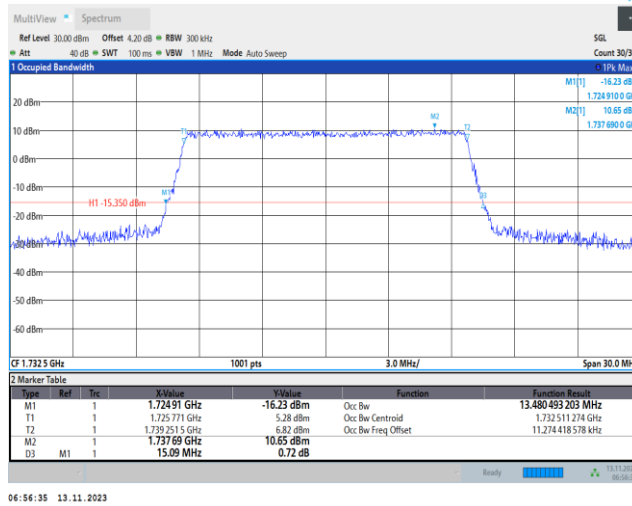


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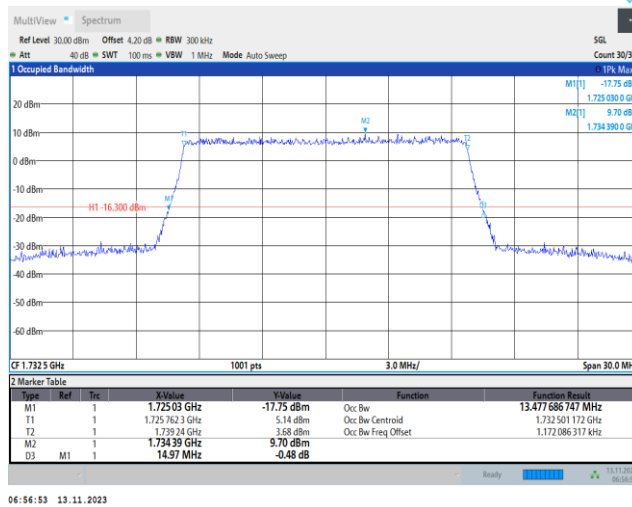
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Band4-15MHz-64QAM-20175-75RB#0



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

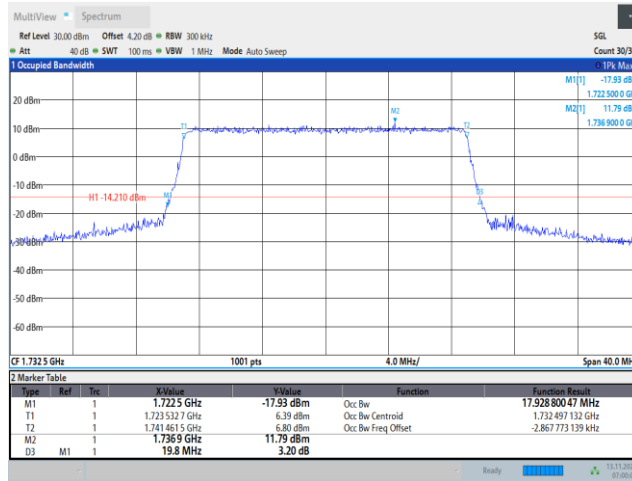


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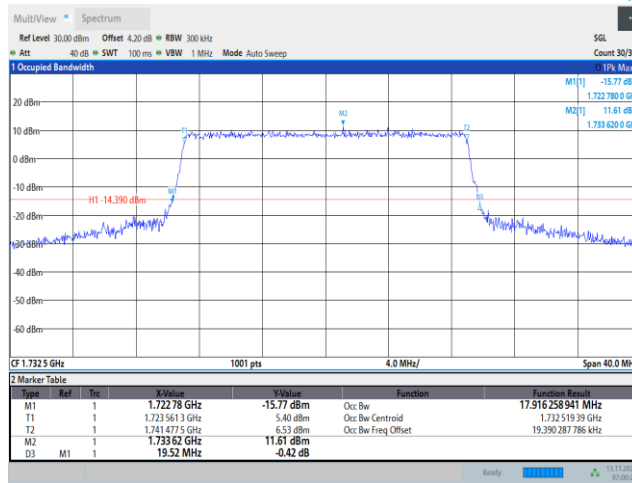
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Band4-20MHz-QPSK-20175-100RB#0



07:00:02 13.11.2023

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



07:00:21 13.11.2023

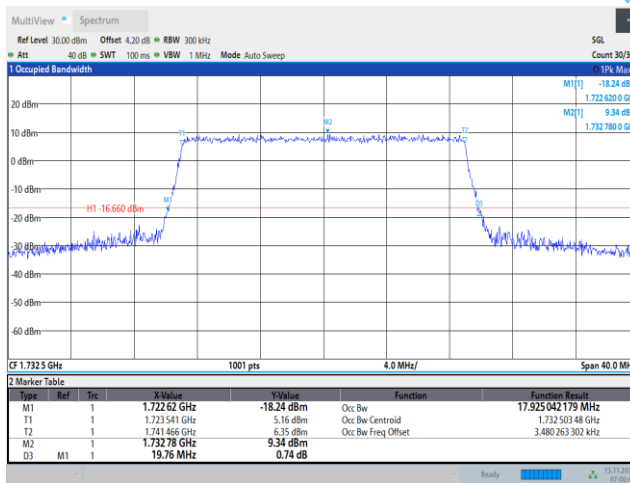


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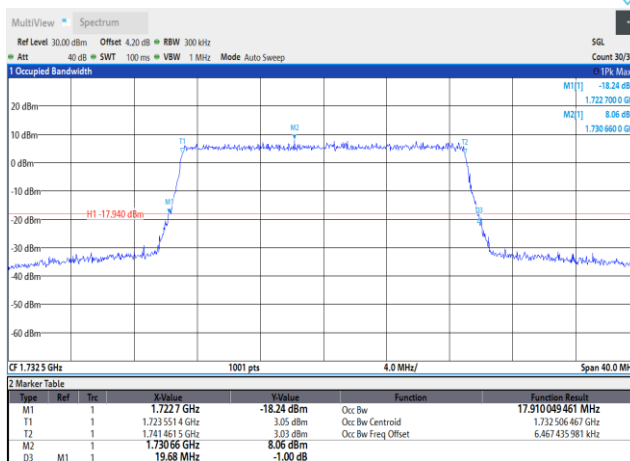
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Band4-20MHz-64QAM-20175-100RB#0



07:00:40 13.11.2023

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



07:00:59 13.11.2023



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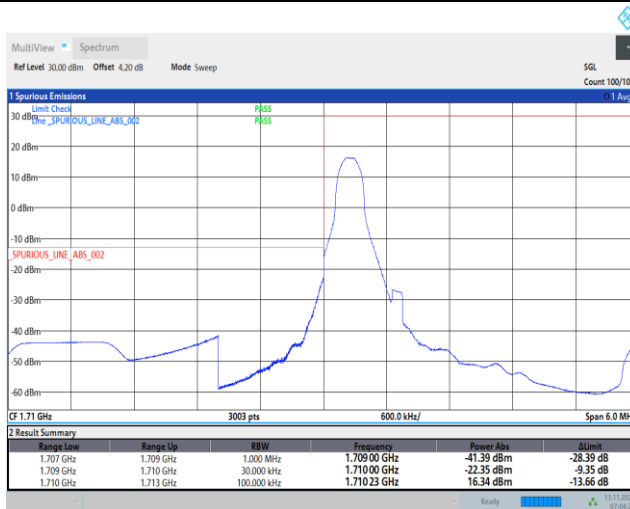
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Band Edge

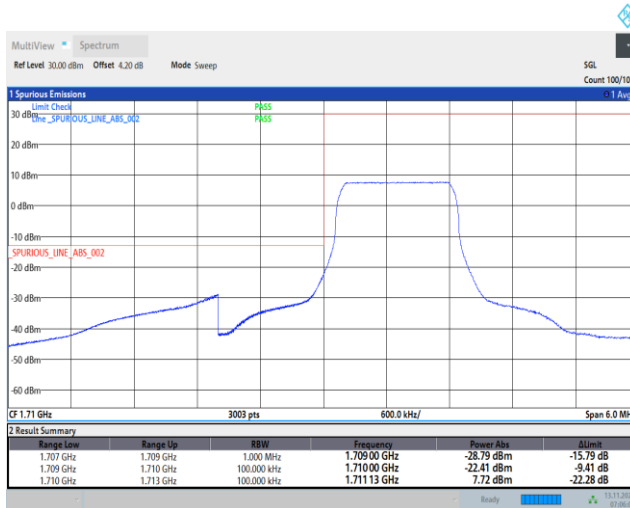
Test Graphs

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



07:04:21 13.11.2023

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



07:06:05 13.11.2023

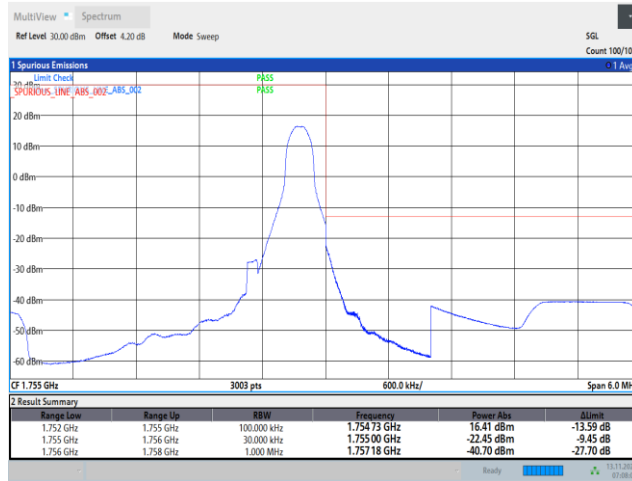


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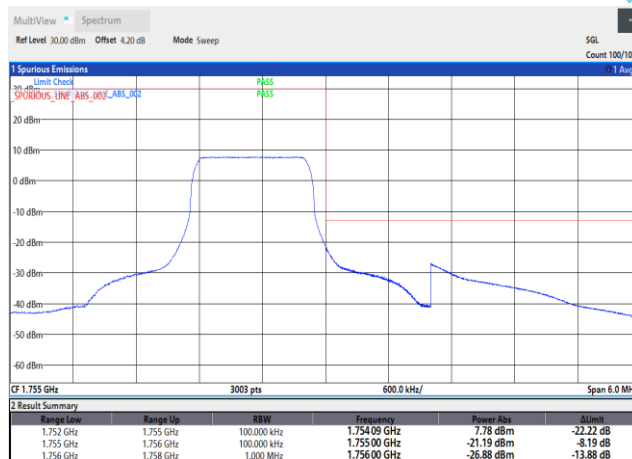
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Band4-1.4MHz-QPSK-20393-1RB#5



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



07:09:53 13.11.2023

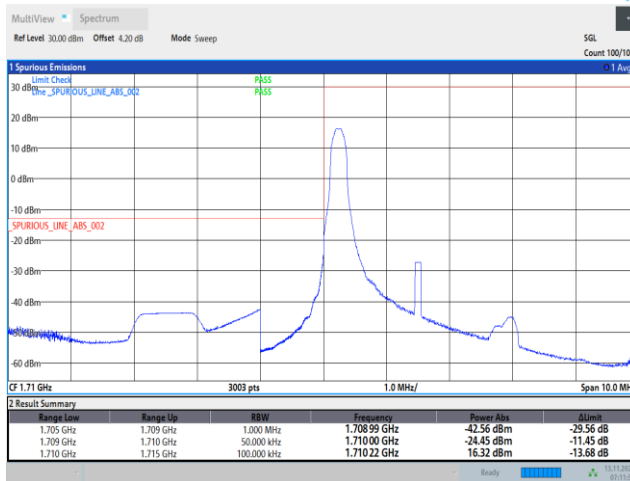


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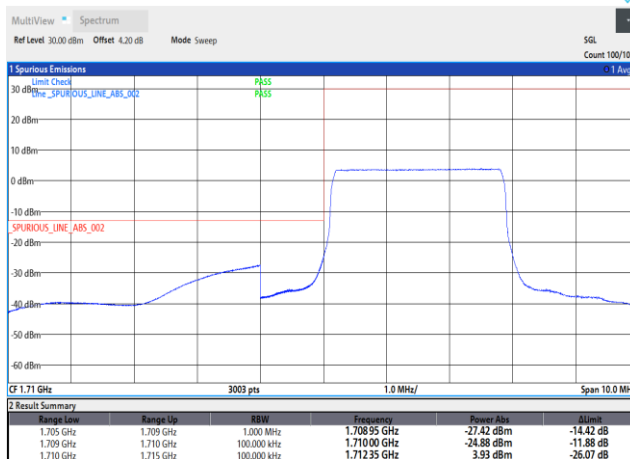
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Band4-3MHz-QPSK-19965-1RB#0



07:11:56 13.11.2023

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



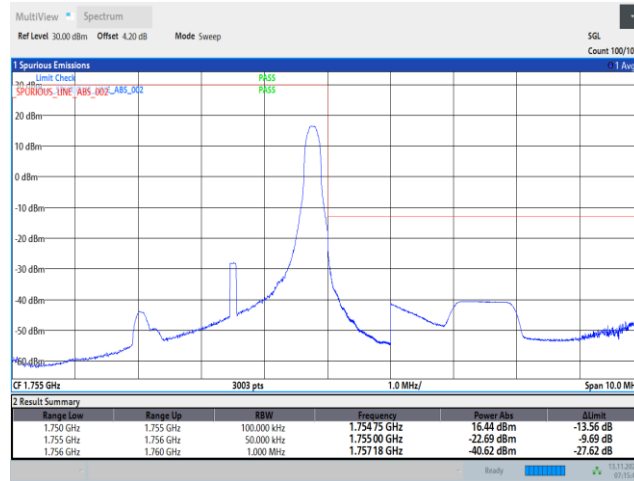
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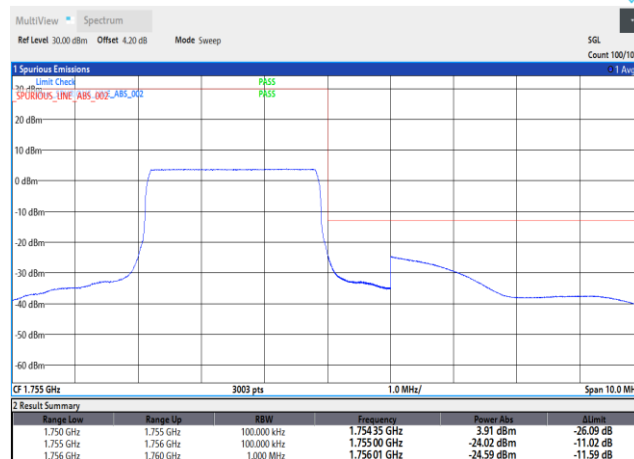
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Band4-3MHz-QPSK-20385-1RB#14



07:15:42 13.11.2023

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



07:17:26 13.11.2023

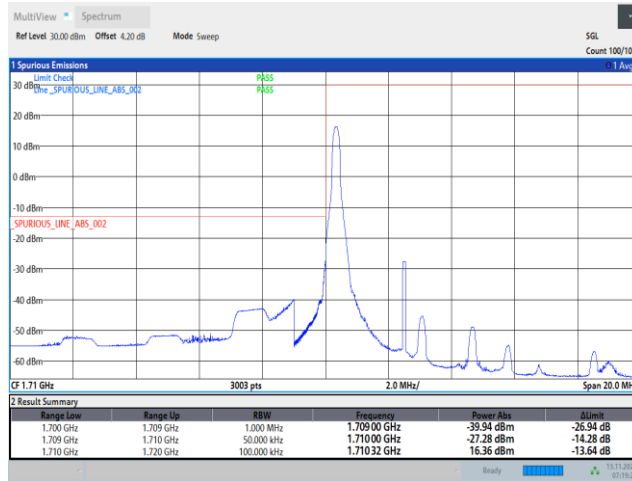


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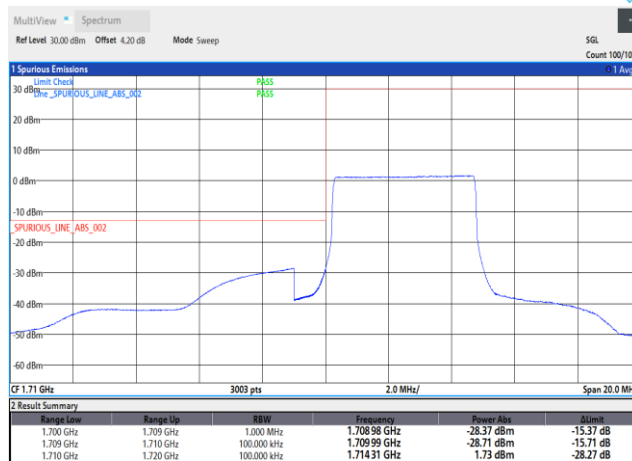
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Band4-5MHz-QPSK-19975-1RB#0



07:19:29 13.11.2023

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



07:21:12 13.11.2023

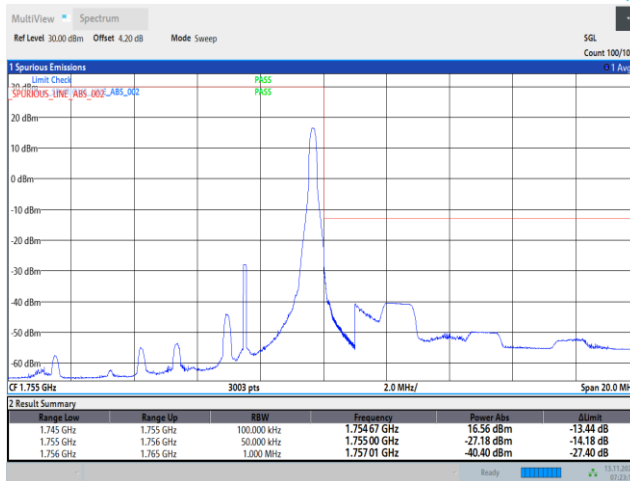


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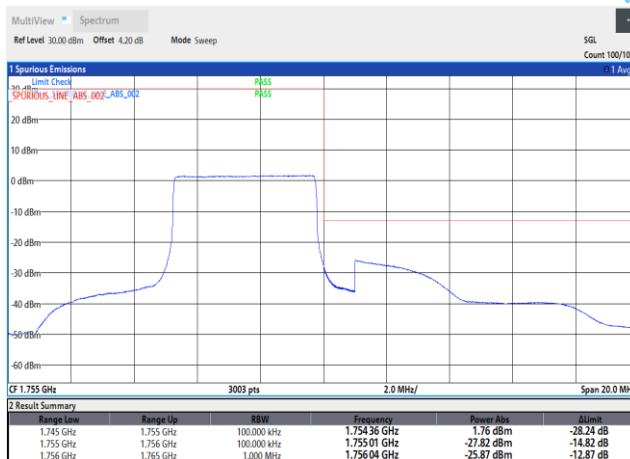
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Band4-5MHz-QPSK-20375-1RB#24



07:23:15 13.11.2023

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



07:24:59 13.11.2023

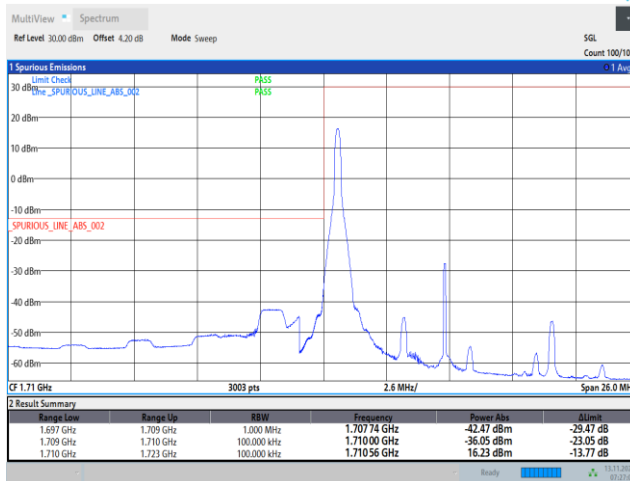


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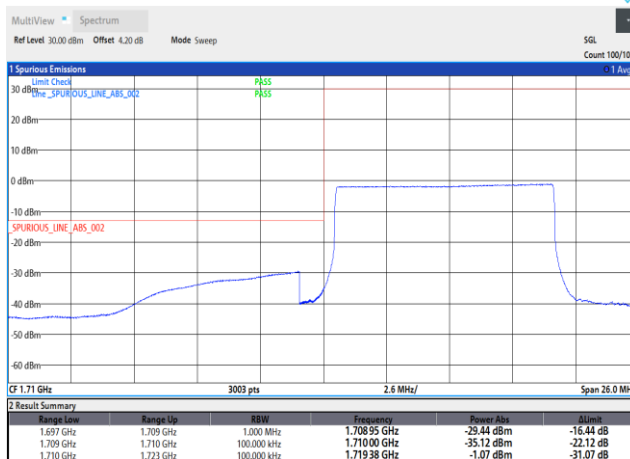
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Band4-10MHz-QPSK-20000-1RB#0



07:27:01 13.11.2023

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



07:28:45 13.11.2023

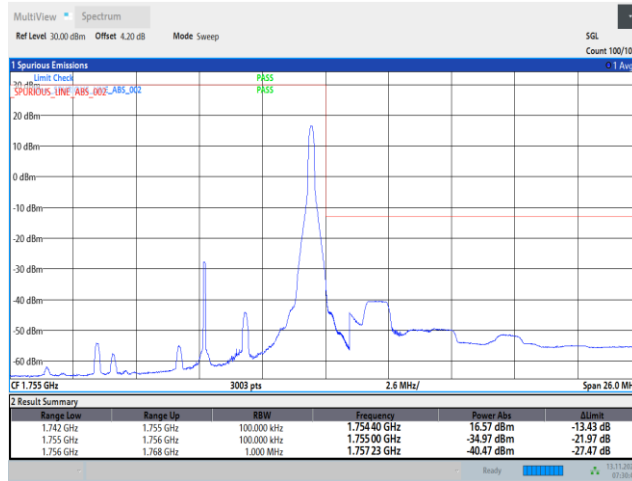


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Band4-10MHz-QPSK-20350-1RB#49



07:30:47 13.11.2023

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



07:32:31 13.11.2023

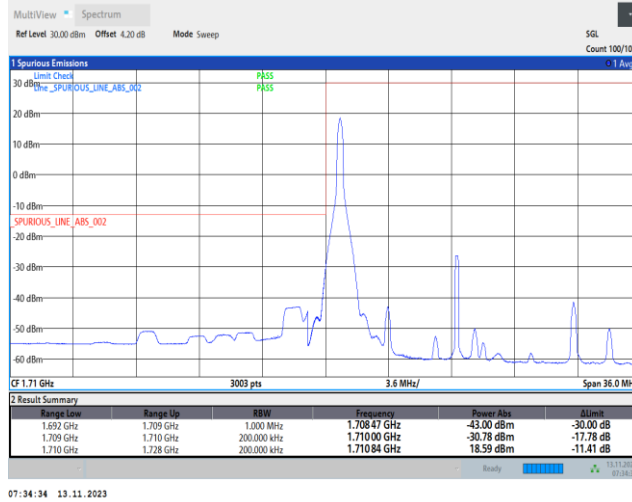


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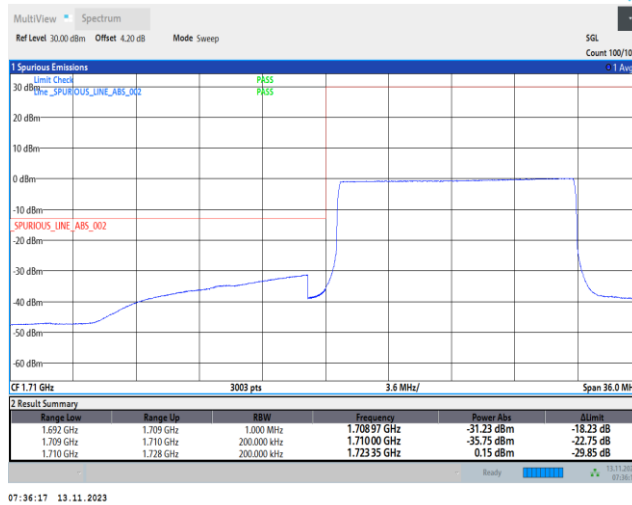
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Band4-15MHz-QPSK-20025-1RB#0



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

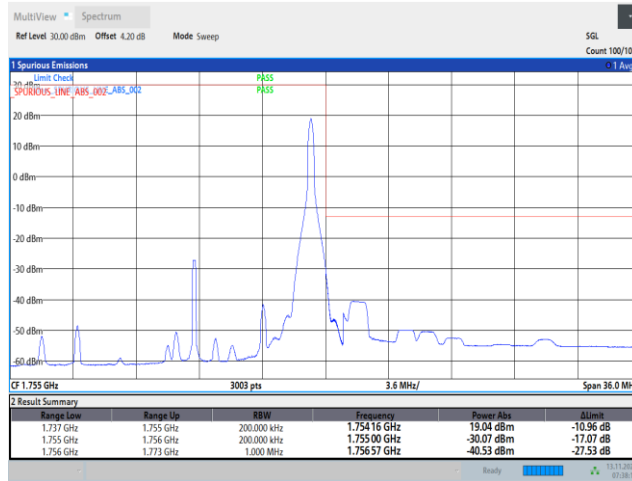


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Band4-15MHz-QPSK-20325-1RB#74



07:38:18 13.11.2023

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



07:40:01 13.11.2023

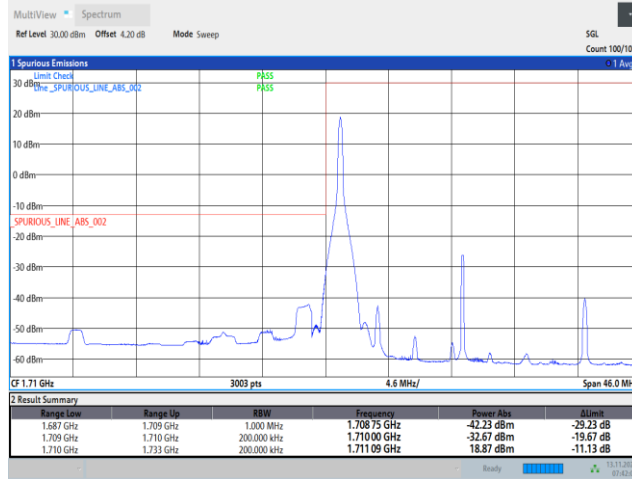


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Band4-20MHz-QPSK-20050-1RB#0



07:42:04 13.11.2023

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



07:43:48 13.11.2023

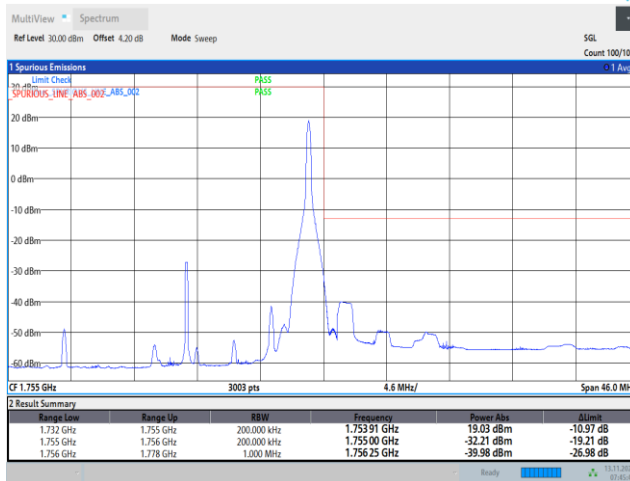


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Band4-20MHz-QPSK-20300-1RB#99



07:45:42 13.11.2023

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



07:47:25 13.11.2023



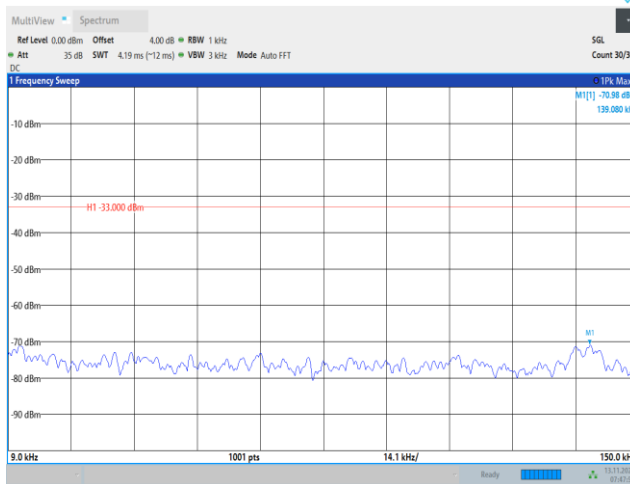
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Conducted Spurious Emission

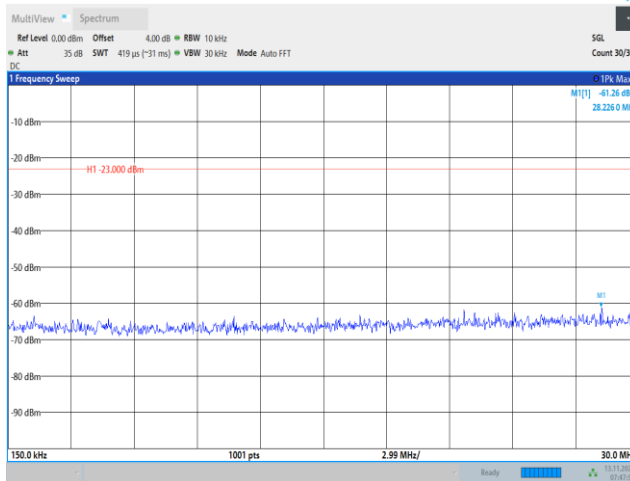
Test Graphs

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



07:47:53 13.11.2023

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



07:47:57 13.11.2023



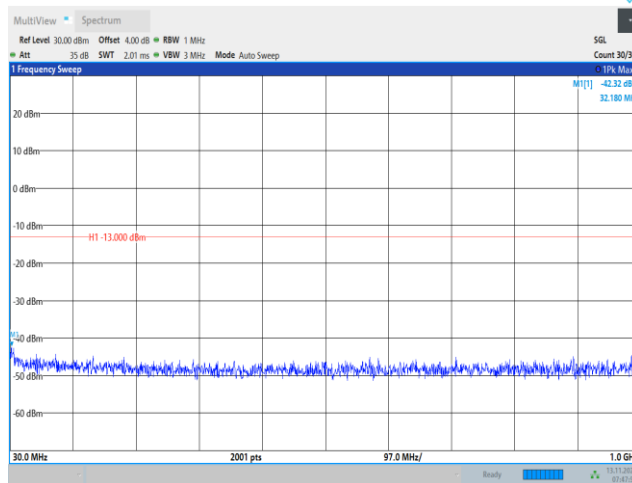
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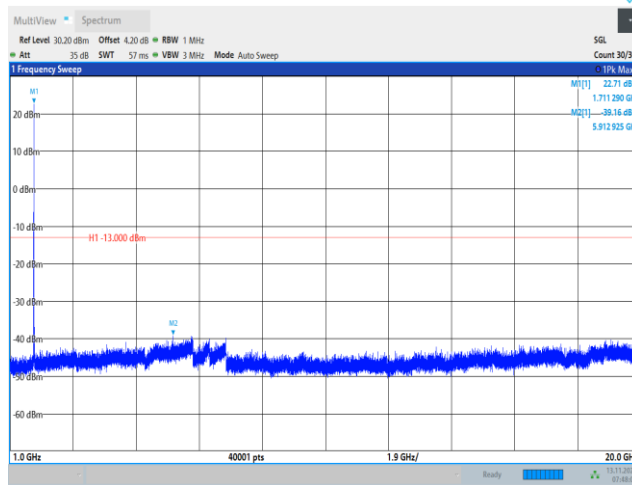
Member of the SGS Group (SGS SA)

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



07:48:00 13.11.2023

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



07:48:08 13.11.2023

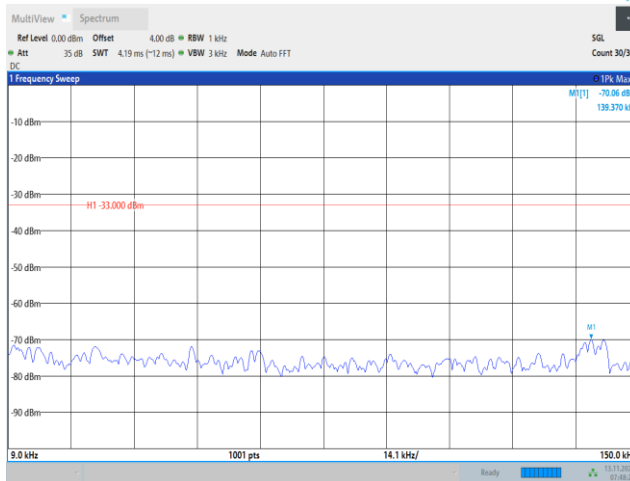


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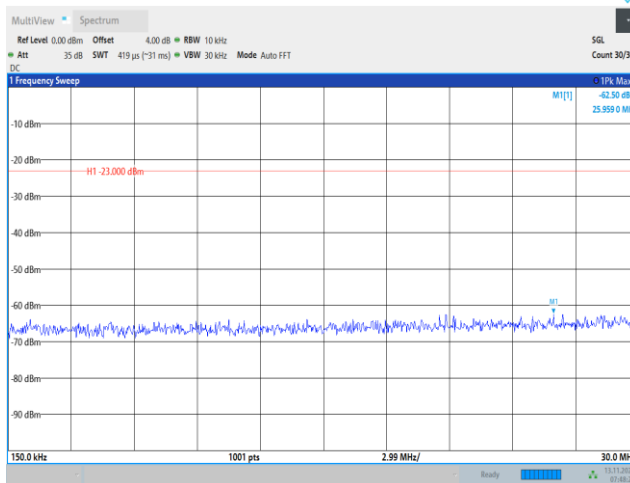
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



07:48:21 13.11.2023

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



07:48:25 13.11.2023

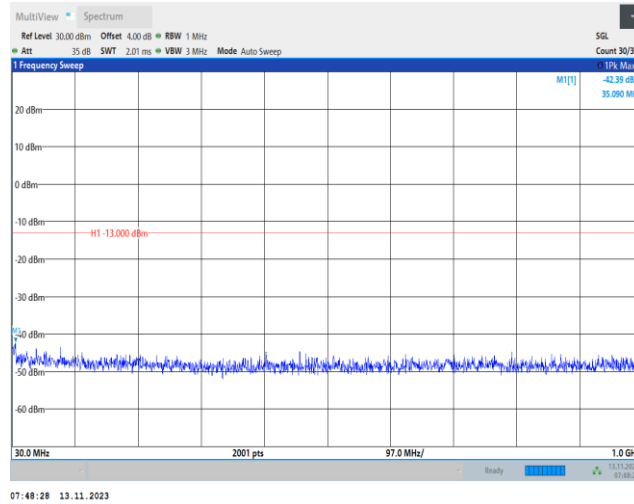


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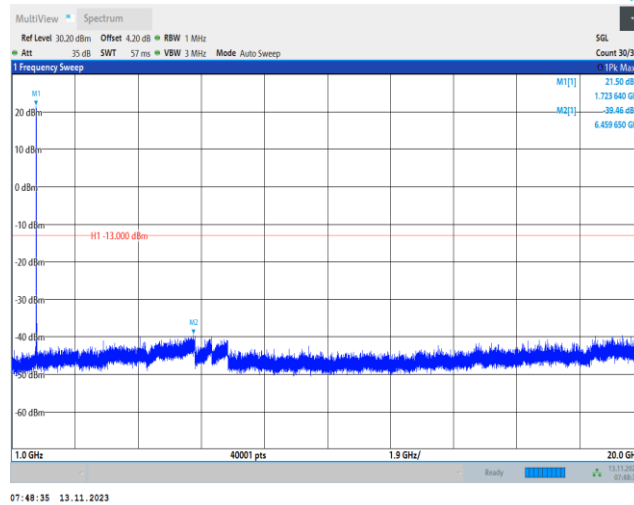
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



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

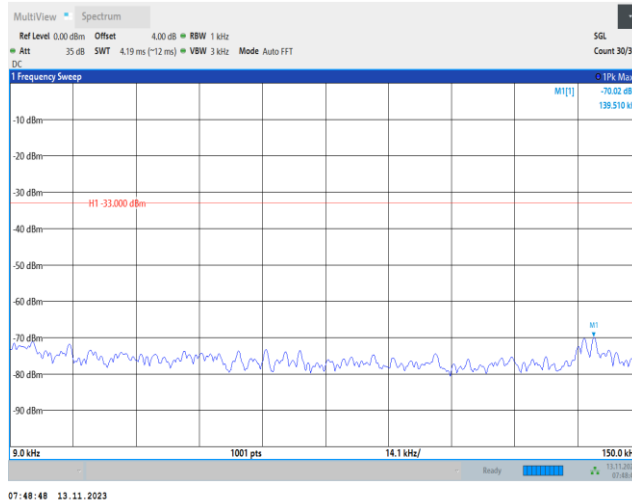


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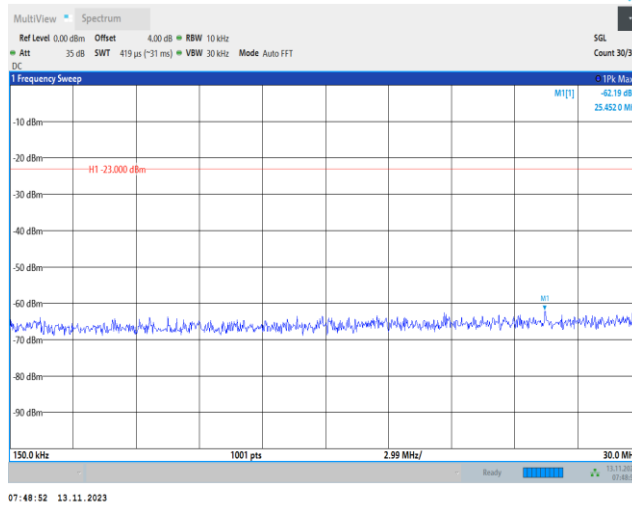
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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



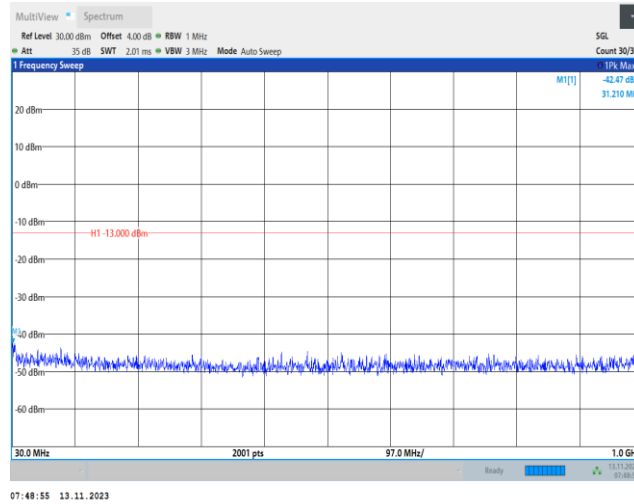
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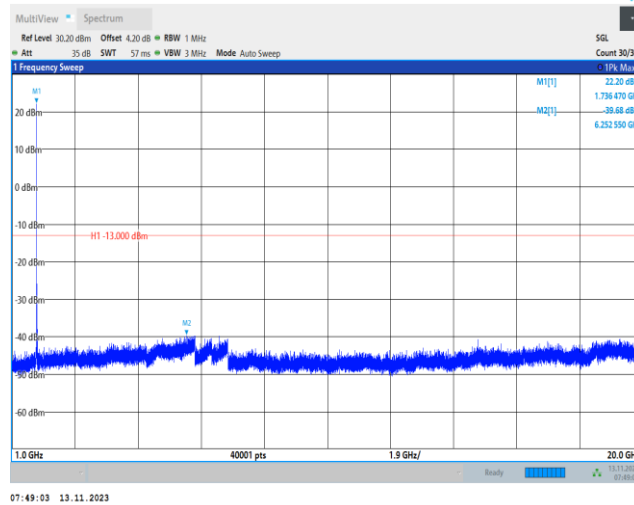
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band4_ TM1
 Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.1800	39.84	-46.28	28.55	-73.14	-13.00	60.14	Horizontal
2	5133.2700	38.07	-45.34	31.72	-70.81	-13.00	57.81	Horizontal
3	6844.3600	37.38	-44.14	34.92	-67.10	-13.00	54.10	Horizontal
4	8555.4500	34.23	-41.46	36.52	-65.97	-13.00	52.97	Horizontal
5	10266.5400	29.08	-39.23	38.33	-67.07	-13.00	54.07	Horizontal
6	11977.6300	24.54	-37.51	38.80	-69.44	-13.00	56.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.1800	40.61	-46.28	28.55	-72.37	-13.00	59.37	Vertical
2	5133.2700	38.61	-45.34	31.72	-70.27	-13.00	57.27	Vertical
3	6844.3600	37.57	-44.14	34.92	-66.91	-13.00	53.91	Vertical
4	8555.4500	35.03	-41.46	36.52	-65.17	-13.00	52.17	Vertical
5	10266.5400	28.99	-39.23	38.33	-67.16	-13.00	54.16	Vertical
6	11977.6300	24.68	-37.51	38.80	-69.30	-13.00	56.30	Vertical



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Test Band = LTE Band4_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.1800	39.55	-46.27	28.57	-73.41	-13.00	60.41	Horizontal
2	5170.7700	38.37	-45.31	31.81	-70.38	-13.00	57.38	Horizontal
3	6894.3600	36.82	-44.10	35.01	-67.53	-13.00	54.53	Horizontal
4	8617.9500	34.10	-41.40	36.49	-66.06	-13.00	53.06	Horizontal
5	10341.5400	29.66	-39.06	38.37	-66.29	-13.00	53.29	Horizontal
6	12065.1300	25.61	-37.44	38.82	-68.27	-13.00	55.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.1800	40.25	-46.27	28.57	-72.71	-13.00	59.71	Vertical
2	5170.7700	38.63	-45.31	31.81	-70.12	-13.00	57.12	Vertical
3	6894.3600	37.77	-44.10	35.01	-66.58	-13.00	53.58	Vertical
4	8617.9500	34.35	-41.40	36.49	-65.81	-13.00	52.81	Vertical
5	10341.5400	29.93	-39.06	38.37	-66.02	-13.00	53.02	Vertical
6	12065.1300	25.18	-37.44	38.82	-68.70	-13.00	55.70	Vertical



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Test Band = LTE Band4_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.1800	40.82	-46.27	28.58	-72.12	-13.00	59.12	Horizontal
2	5208.2700	39.11	-45.26	31.90	-69.51	-13.00	56.51	Horizontal
3	6944.3600	37.98	-43.85	35.10	-66.03	-13.00	53.03	Horizontal
4	8680.4500	34.62	-41.62	36.46	-65.80	-13.00	52.80	Horizontal
5	10416.5400	28.36	-38.97	38.41	-67.47	-13.00	54.47	Horizontal
6	12152.6300	26.03	-37.42	38.85	-67.80	-13.00	54.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.1800	40.77	-46.27	28.58	-72.17	-13.00	59.17	Vertical
2	5208.2700	39.30	-45.26	31.90	-69.32	-13.00	56.32	Vertical
3	6944.3600	37.85	-43.85	35.10	-66.16	-13.00	53.16	Vertical
4	8680.4500	34.31	-41.62	36.46	-66.11	-13.00	53.11	Vertical
5	10416.5400	27.84	-38.97	38.41	-67.99	-13.00	54.99	Vertical
6	12152.6300	25.68	-37.42	38.85	-68.15	-13.00	55.15	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]	Polarity
1	1649.1800	40.19	-45.59	28.30	-72.36	-13.00	59.36	Horizontal
2	2473.7700	40.19	-45.59	28.30	-72.36	-13.00	59.36	Horizontal
3	3298.3600	40.37	-46.45	28.48	-72.86	-13.00	59.86	Horizontal
4	3422.1800	38.37	-46.28	28.55	-74.61	-13.00	61.61	Horizontal
5	5133.2700	37.42	-45.34	31.72	-71.46	-13.00	58.46	Horizontal
6	6844.3600	36.93	-44.14	34.92	-67.55	-13.00	54.55	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1800	41.04	-45.59	28.30	-71.51	-13.00	58.51	Vertical
2	2473.7700	41.04	-45.59	28.30	-71.51	-13.00	58.51	Vertical
3	3298.3600	41.93	-46.45	28.48	-71.30	-13.00	58.30	Vertical
4	3422.1800	40.49	-46.28	28.55	-72.49	-13.00	59.49	Vertical
5	5133.2700	38.39	-45.34	31.72	-70.49	-13.00	57.49	Vertical
6	6844.3600	38.14	-44.14	34.92	-66.34	-13.00	53.34	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]	Polarity
1	1664.1800	40.66	-45.59	28.30	-71.89	-13.00	58.89	Horizontal
2	2496.2700	40.66	-45.59	28.30	-71.89	-13.00	58.89	Horizontal
3	3328.3600	41.49	-46.41	28.50	-71.68	-13.00	58.68	Horizontal
4	3447.1800	39.31	-46.27	28.57	-73.65	-13.00	60.65	Horizontal
5	5170.7700	38.77	-45.31	31.81	-69.98	-13.00	56.98	Horizontal
6	6894.3600	37.42	-44.10	35.01	-66.93	-13.00	53.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.1800	41.14	-45.59	28.30	-71.41	-13.00	58.41	Vertical
2	2496.2700	41.14	-45.59	28.30	-71.41	-13.00	58.41	Vertical
3	3328.3600	41.31	-46.41	28.50	-71.86	-13.00	58.86	Vertical
4	3447.1800	40.46	-46.27	28.57	-72.50	-13.00	59.50	Vertical
5	5170.7700	39.11	-45.31	31.81	-69.64	-13.00	56.64	Vertical
6	6894.3600	37.58	-44.10	35.01	-66.77	-13.00	53.77	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]	Polarity
1	1679.1800	40.28	-45.59	28.30	-72.27	-13.00	59.27	Horizontal
2	2518.7700	40.28	-45.59	28.30	-72.27	-13.00	59.27	Horizontal
3	3358.3600	41.05	-46.35	28.52	-72.05	-13.00	59.05	Horizontal
4	3472.1800	40.65	-46.27	28.58	-72.29	-13.00	59.29	Horizontal
5	5208.2700	38.65	-45.26	31.90	-69.97	-13.00	56.97	Horizontal
6	6944.3600	37.75	-43.85	35.10	-66.26	-13.00	53.26	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1800	41.05	-45.59	28.30	-71.50	-13.00	58.50	Vertical
2	2518.7700	41.05	-45.59	28.30	-71.50	-13.00	58.50	Vertical
3	3358.3600	40.55	-46.35	28.52	-72.55	-13.00	59.55	Vertical
4	3472.1800	40.97	-46.27	28.58	-71.97	-13.00	58.97	Vertical
5	5208.2700	38.62	-45.26	31.90	-70.00	-13.00	57.00	Vertical
6	6944.3600	37.43	-43.85	35.10	-66.58	-13.00	53.58	Vertical



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Member of the SGS Group (SGS SA)

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]	Polarity
1	3422.1800	39.75	-46.28	28.55	-73.23	-25.00	48.23	Horizontal
2	5002.1800	38.79	-45.63	31.41	-70.70	-25.00	45.70	Horizontal
3	5133.2700	38.66	-45.34	31.72	-70.22	-25.00	45.22	Horizontal
4	6844.3600	39.02	-44.14	34.92	-65.46	-25.00	40.46	Horizontal
5	7503.2700	37.12	-43.13	36.60	-64.67	-25.00	39.67	Horizontal
6	10004.3600	30.13	-39.23	38.20	-66.16	-25.00	41.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.1800	42.48	-46.28	28.55	-70.50	-25.00	45.50	Vertical
2	5002.1800	41.07	-45.63	31.41	-68.42	-25.00	43.42	Vertical
3	5133.2700	39.45	-45.34	31.72	-69.43	-25.00	44.43	Vertical
4	6844.3600	39.05	-44.14	34.92	-65.43	-25.00	40.43	Vertical
5	7503.2700	38.01	-43.13	36.60	-63.78	-25.00	38.78	Vertical
6	10004.3600	32.31	-39.23	38.20	-63.98	-25.00	38.98	Vertical



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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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]	Polarity
1	3447.1800	40.42	-46.27	28.57	-72.54	-25.00	47.54	Horizontal
2	5052.1800	39.62	-45.50	31.53	-69.61	-25.00	44.61	Horizontal
3	5170.7700	39.63	-45.31	31.81	-69.13	-25.00	44.13	Horizontal
4	6894.3600	38.51	-44.10	35.01	-65.84	-25.00	40.84	Horizontal
5	7578.2700	37.80	-42.98	36.63	-63.80	-25.00	38.80	Horizontal
6	10104.3600	31.25	-39.14	38.25	-64.89	-25.00	39.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.1800	41.83	-46.27	28.57	-71.13	-25.00	46.13	Vertical
2	5052.1800	40.59	-45.50	31.53	-68.64	-25.00	43.64	Vertical
3	5170.7700	40.48	-45.31	31.81	-68.28	-25.00	43.28	Vertical
4	6894.3600	38.74	-44.10	35.01	-65.61	-25.00	40.61	Vertical
5	7578.2700	37.73	-42.98	36.63	-63.87	-25.00	38.87	Vertical
6	10104.3600	31.13	-39.14	38.25	-65.01	-25.00	40.01	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]	Polarity
1	3472.1800	43.21	-46.27	28.58	-69.73	-25.00	44.73	Horizontal
2	5102.1800	39.44	-45.37	31.65	-69.54	-25.00	44.54	Horizontal
3	5208.2700	39.64	-45.26	31.90	-68.98	-25.00	43.98	Horizontal
4	6944.3600	38.85	-43.86	35.10	-65.17	-25.00	40.17	Horizontal
5	7653.2700	37.80	-43.03	36.66	-63.83	-25.00	38.83	Horizontal
6	10204.3600	30.08	-39.48	38.30	-66.36	-25.00	41.36	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.1800	42.45	-46.27	28.58	-70.49	-25.00	45.49	Vertical
2	5102.1800	39.99	-45.37	31.65	-68.99	-25.00	43.99	Vertical
3	5208.2700	40.66	-45.26	31.90	-67.96	-25.00	42.96	Vertical
4	6944.3600	38.85	-43.86	35.10	-65.17	-25.00	40.17	Vertical
5	7653.2700	37.82	-43.03	36.66	-63.81	-25.00	38.81	Vertical
6	10204.3600	30.59	-39.48	38.30	-65.85	-25.00	40.85	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

2) All antennas of RSE are tested, and only the worst data is presented.



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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	-1.20	-0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	0.40	0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-2.30	-0.001328	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-2.00	-0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-2.20	-0.001270	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.50	-0.000289	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.10	0.000635	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.80	-0.001616	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-2.00	-0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.40	-0.000808	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.20	-0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-2.10	-0.001212	PASS

---End of Attachment---



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