

Report No.: SEWM2309000386RG01

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Appendix B.4

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.93	23.33	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	25.1	23.5	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.95	23.35	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.97	22.37	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	25.03	23.43	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	25.17	23.57	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	25.01	23.41	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	24.09	22.49	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	25.12	23.52	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	25.2	23.6	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	25.06	23.46	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	24.03	22.43	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	24.16	22.56	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	24.1	22.5	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	24.03	22.43	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	23.1	21.5	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	24.18	22.58	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	24.12	22.52	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	24.24	22.64	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	23.14	21.54	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	24.18	22.58	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	24.14	22.54	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	24.13	22.53	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	23.07	21.47	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	23.23	21.63	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	23.27	21.67	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	23.14	21.54	30.00	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	22.1	20.5	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	23.31	21.71	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	23.42	21.82	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	23.15	21.55	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	22.2	20.6	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	23.35	21.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	23.43	21.83	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	23.45	21.85	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	22.08	20.48	30.00	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	20.11	18.51	30.00	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	20.22	18.62	30.00	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	20.08	18.48	30.00	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	20.07	18.47	30.00	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	20.24	18.64	30.00	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	20.25	18.65	30.00	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	20.21	18.61	30.00	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	20.19	18.59	30.00	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	20.11	18.51	30.00	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	20.2	18.6	30.00	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	20.2	18.6	30.00	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	20.08	18.48	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.89	23.29	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	25.05	23.45	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.95	23.35	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	24.01	22.41	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	25.06	23.46	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	25.16	23.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	25.15	23.55	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	24.06	22.46	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	25.11	23.51	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	25.1	23.5	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	25.09	23.49	30.00	PASS



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Band4	3MHz	QPSK	20385	15RB#0	24.12	22.52	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	24.17	22.57	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	24.08	22.48	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	24.12	22.52	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	23.11	21.51	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	24.28	22.68	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.12	22.52	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	24.43	22.83	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	23.15	21.55	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	24.09	22.49	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	24.26	22.66	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	24.17	22.57	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	23.18	21.58	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	23.21	21.61	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	23.3	21.7	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	23.21	21.61	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	22.03	20.43	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	23.42	21.82	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	23.3	21.7	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	23.27	21.67	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	22.15	20.55	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	23.37	21.77	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	23.3	21.7	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	23.23	21.63	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	22.14	20.54	30.00	PASS
Band4	3MHz	256QAM	19965	1RB#0	20	18.4	30.00	PASS
Band4	3MHz	256QAM	19965	1RB#8	20.2	18.6	30.00	PASS
Band4	3MHz	256QAM	19965	1RB#14	20.13	18.53	30.00	PASS
Band4	3MHz	256QAM	19965	15RB#0	20.16	18.56	30.00	PASS
Band4	3MHz	256QAM	20175	1RB#0	20.08	18.48	30.00	PASS
Band4	3MHz	256QAM	20175	1RB#8	20.32	18.72	30.00	PASS
Band4	3MHz	256QAM	20175	1RB#14	20.25	18.65	30.00	PASS



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Band4	3MHz	256QAM	20175	15RB#0	20.13	18.53	30.00	PASS
Band4	3MHz	256QAM	20385	1RB#0	20.15	18.55	30.00	PASS
Band4	3MHz	256QAM	20385	1RB#8	20.33	18.73	30.00	PASS
Band4	3MHz	256QAM	20385	1RB#14	20.24	18.64	30.00	PASS
Band4	3MHz	256QAM	20385	15RB#0	20.11	18.51	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	25	23.4	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	25.1	23.5	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	25.01	23.41	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	24.07	22.47	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	25.08	23.48	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	25.14	23.54	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	25.1	23.5	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	24.15	22.55	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	25.12	23.52	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	25.2	23.6	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	25.08	23.48	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	24.23	22.63	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	24.13	22.53	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	24.15	22.55	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	24.18	22.58	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	23.14	21.54	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	24.13	22.53	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	24.33	22.73	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	24.3	22.7	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	23.16	21.56	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	24.11	22.51	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	24.26	22.66	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	24.13	22.53	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	23.2	21.6	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	23.15	21.55	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	23.21	21.61	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	23.08	21.48	30.00	PASS



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Band4	5MHz	64QAM	20175	1RB#0	23.28	21.68	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	23.3	21.7	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	23.27	21.67	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	22.21	20.61	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	23.35	21.75	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	23.23	21.63	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	23.27	21.67	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	22.13	20.53	30.00	PASS
Band4	5MHz	256QAM	19975	1RB#0	20.06	18.46	30.00	PASS
Band4	5MHz	256QAM	19975	1RB#12	20.26	18.66	30.00	PASS
Band4	5MHz	256QAM	19975	1RB#24	20.26	18.66	30.00	PASS
Band4	5MHz	256QAM	19975	25RB#0	20.07	18.47	30.00	PASS
Band4	5MHz	256QAM	20175	1RB#0	20.09	18.49	30.00	PASS
Band4	5MHz	256QAM	20175	1RB#12	20.31	18.71	30.00	PASS
Band4	5MHz	256QAM	20175	1RB#24	20.13	18.53	30.00	PASS
Band4	5MHz	256QAM	20175	25RB#0	20.14	18.54	30.00	PASS
Band4	5MHz	256QAM	20375	1RB#0	20.17	18.57	30.00	PASS
Band4	5MHz	256QAM	20375	1RB#12	20.22	18.62	30.00	PASS
Band4	5MHz	256QAM	20375	1RB#24	20.28	18.68	30.00	PASS
Band4	5MHz	256QAM	20375	25RB#0	20.17	18.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	25.04	23.44	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.98	23.38	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	25.07	23.47	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	24.1	22.5	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.96	23.36	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	25.04	23.44	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	25.06	23.46	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	24.2	22.6	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	25.02	23.42	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	25.16	23.56	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	25.16	23.56	30.00	PASS



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Band4	10MHz	QPSK	20350	50RB#0	24.15	22.55	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	24.06	22.46	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	24.35	22.75	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	24.12	22.52	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	23.11	21.51	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	24.14	22.54	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	24.27	22.67	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	24.7	23.1	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	23.2	21.6	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	24.11	22.51	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	24.2	22.6	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	24.55	22.95	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	23.19	21.59	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	23.22	21.62	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	23.26	21.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	23.31	21.71	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	22.14	20.54	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	23.24	21.64	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	23.2	21.6	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	23.57	21.97	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	22.19	20.59	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	23.34	21.74	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	23.24	21.64	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	23.37	21.77	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	22.18	20.58	30.00	PASS
Band4	10MHz	256QAM	20000	1RB#0	20.09	18.49	30.00	PASS
Band4	10MHz	256QAM	20000	1RB#24	20.25	18.65	30.00	PASS
Band4	10MHz	256QAM	20000	1RB#49	20.13	18.53	30.00	PASS
Band4	10MHz	256QAM	20000	50RB#0	20.1	18.5	30.00	PASS
Band4	10MHz	256QAM	20175	1RB#0	20.14	18.54	30.00	PASS
Band4	10MHz	256QAM	20175	1RB#24	20.26	18.66	30.00	PASS
Band4	10MHz	256QAM	20175	1RB#49	20.15	18.55	30.00	PASS



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Band4	10MHz	256QAM	20175	50RB#0	20.21	18.61	30.00	PASS
Band4	10MHz	256QAM	20350	1RB#0	20.01	18.41	30.00	PASS
Band4	10MHz	256QAM	20350	1RB#24	20.28	18.68	30.00	PASS
Band4	10MHz	256QAM	20350	1RB#49	20.31	18.71	30.00	PASS
Band4	10MHz	256QAM	20350	50RB#0	20.21	18.61	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.66	23.06	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.75	23.15	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.88	23.28	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	24.01	22.41	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.86	23.26	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.9	23.3	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.94	23.34	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	24.06	22.46	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.72	23.12	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.89	23.29	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	25.08	23.48	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	24.02	22.42	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.87	22.27	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.98	22.38	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	24.26	22.66	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.94	21.34	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.88	22.28	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	24.14	22.54	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	24.05	22.45	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	23.05	21.45	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	24.01	22.41	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	24.11	22.51	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	24.13	22.53	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	23.07	21.47	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	23.11	21.51	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	23.1	21.5	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	23.13	21.53	30.00	PASS



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Band4	15MHz	64QAM	20025	75RB#0	21.99	20.39	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.98	21.38	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	23.23	21.63	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	23.16	21.56	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	22.1	20.5	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.97	21.37	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	23.13	21.53	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	23.32	21.72	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	22.03	20.43	30.00	PASS
Band4	15MHz	256QAM	20025	1RB#0	19.83	18.23	30.00	PASS
Band4	15MHz	256QAM	20025	1RB#38	20.03	18.43	30.00	PASS
Band4	15MHz	256QAM	20025	1RB#74	20.05	18.45	30.00	PASS
Band4	15MHz	256QAM	20025	75RB#0	19.97	18.37	30.00	PASS
Band4	15MHz	256QAM	20175	1RB#0	20.07	18.47	30.00	PASS
Band4	15MHz	256QAM	20175	1RB#38	20.09	18.49	30.00	PASS
Band4	15MHz	256QAM	20175	1RB#74	20.18	18.58	30.00	PASS
Band4	15MHz	256QAM	20175	75RB#0	20.08	18.48	30.00	PASS
Band4	15MHz	256QAM	20325	1RB#0	19.99	18.39	30.00	PASS
Band4	15MHz	256QAM	20325	1RB#38	20.2	18.6	30.00	PASS
Band4	15MHz	256QAM	20325	1RB#74	20.29	18.69	30.00	PASS
Band4	15MHz	256QAM	20325	75RB#0	20.08	18.48	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	25.1	23.5	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.75	23.15	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.98	23.38	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	24.04	22.44	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.92	23.32	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	25.07	23.47	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	25.05	23.45	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	24.01	22.41	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.87	23.27	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	25	23.4	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.94	23.34	30.00	PASS



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Band4	20MHz	QPSK	20300	100RB#0	24.01	22.41	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.89	22.29	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.88	22.28	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	24.13	22.53	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.96	21.36	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.94	22.34	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	24.01	22.41	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	24.19	22.59	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	23.01	21.41	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.8	22.2	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	24.63	23.03	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	24.12	22.52	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	23.05	21.45	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	23.02	21.42	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	23.04	21.44	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	23.06	21.46	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.99	20.39	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.97	21.37	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	23.16	21.56	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	23.1	21.5	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	22.1	20.5	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	23.04	21.44	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	23.01	21.41	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	23.12	21.52	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	22.07	20.47	30.00	PASS
Band4	20MHz	256QAM	20050	1RB#0	19.89	18.29	30.00	PASS
Band4	20MHz	256QAM	20050	1RB#49	19.99	18.39	30.00	PASS
Band4	20MHz	256QAM	20050	1RB#99	20.19	18.59	30.00	PASS
Band4	20MHz	256QAM	20050	100RB#0	19.99	18.39	30.00	PASS
Band4	20MHz	256QAM	20175	1RB#0	19.96	18.36	30.00	PASS
Band4	20MHz	256QAM	20175	1RB#49	20.12	18.52	30.00	PASS
Band4	20MHz	256QAM	20175	1RB#99	20.2	18.6	30.00	PASS



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Band4	20MHz	256QAM	20175	100RB#0	20.1	18.5	30.00	PASS
Band4	20MHz	256QAM	20300	1RB#0	20.06	18.46	30.00	PASS
Band4	20MHz	256QAM	20300	1RB#49	20.23	18.63	30.00	PASS
Band4	20MHz	256QAM	20300	1RB#99	20.07	18.47	30.00	PASS
Band4	20MHz	256QAM	20300	100RB#0	20.06	18.46	30.00	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	4.76	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.06	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.98	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.74	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.76	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.64	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.48	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.42	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.42	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	6.66	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.64	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	6.62	13	PASS

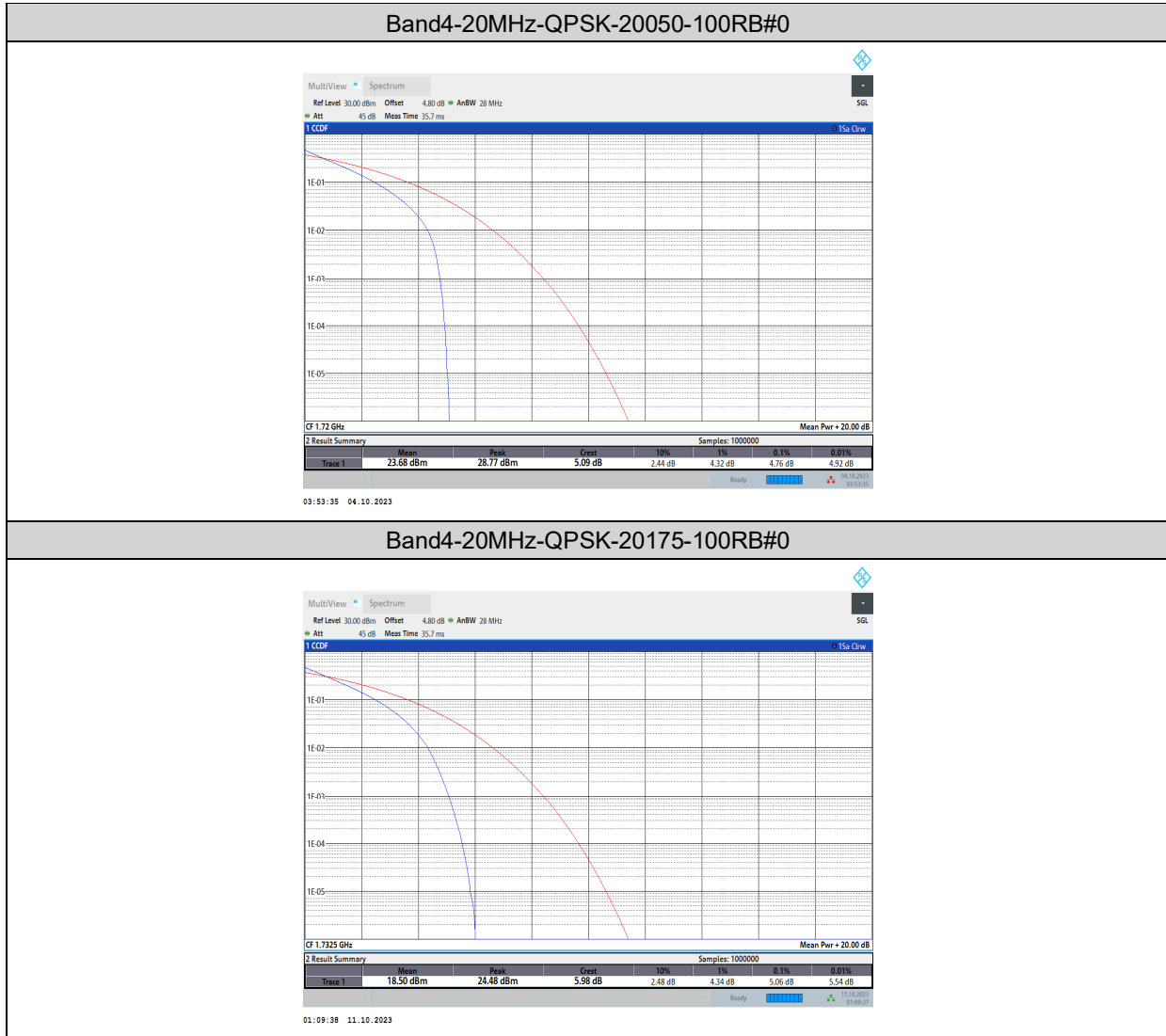


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Test Graphs

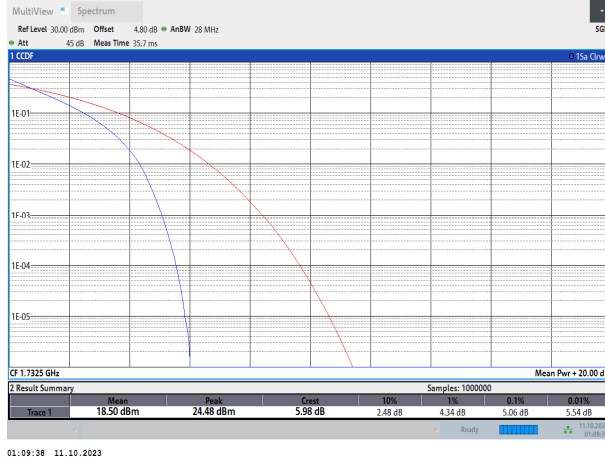


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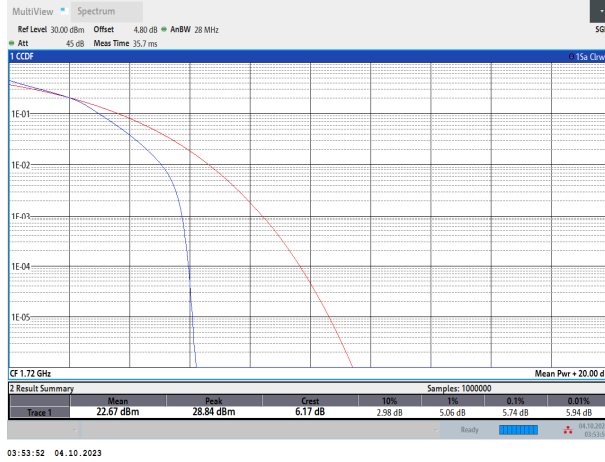
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Band4-20MHz-QPSK-20300-100RB#0



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

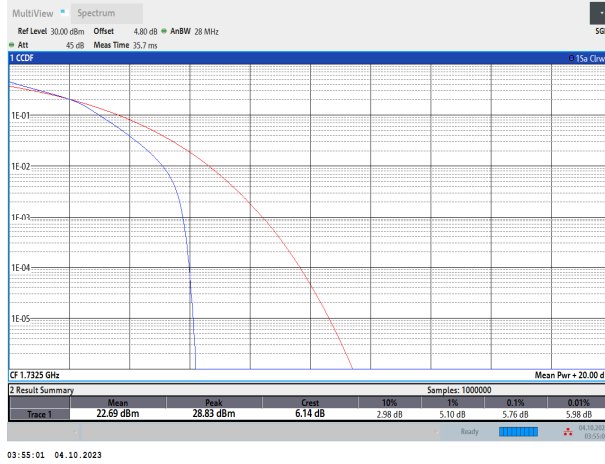


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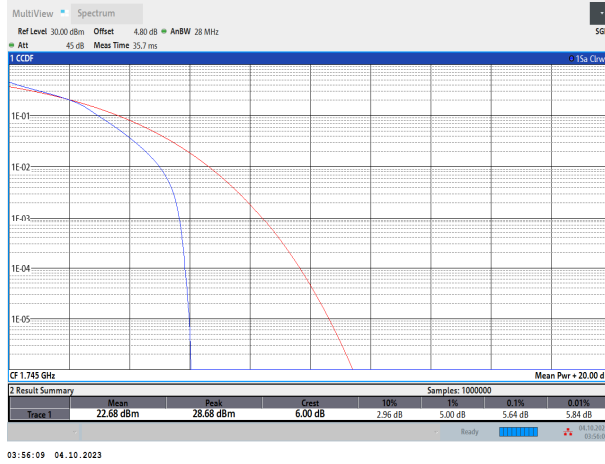
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Band4-20MHz-16QAM-20175-100RB#0



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

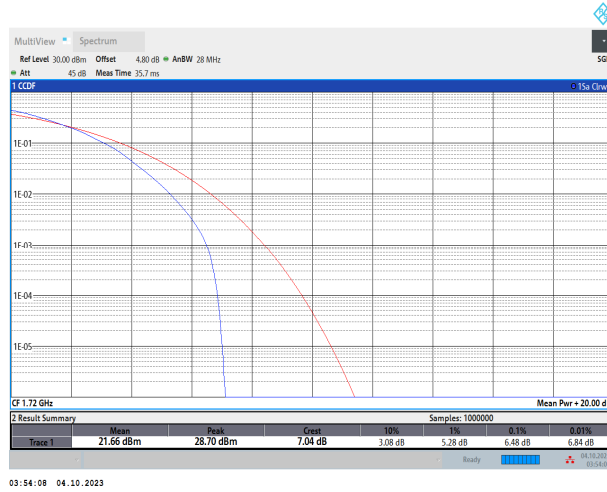


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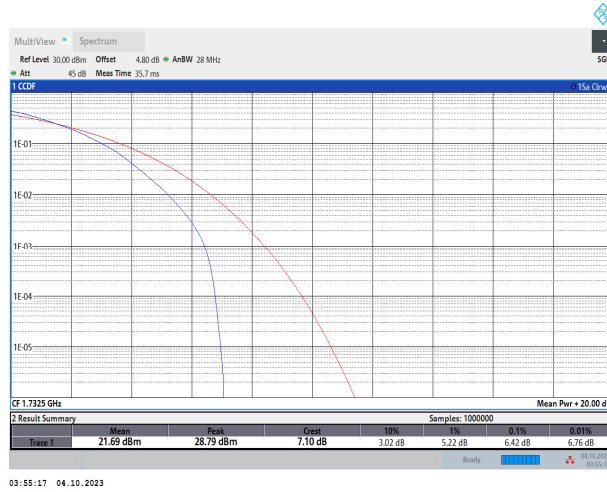
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Band4-20MHz-64QAM-20050-100RB#0



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

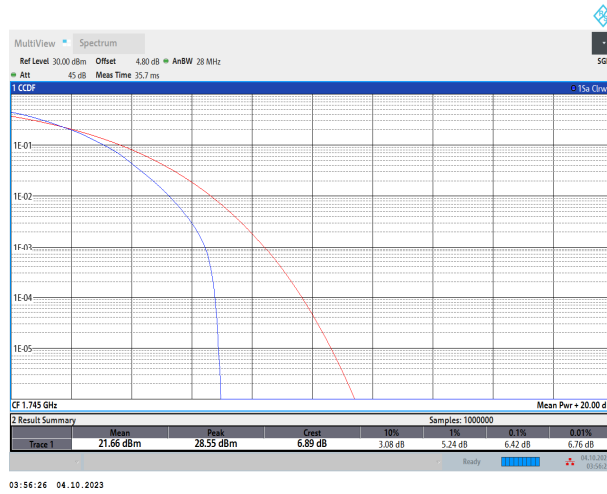


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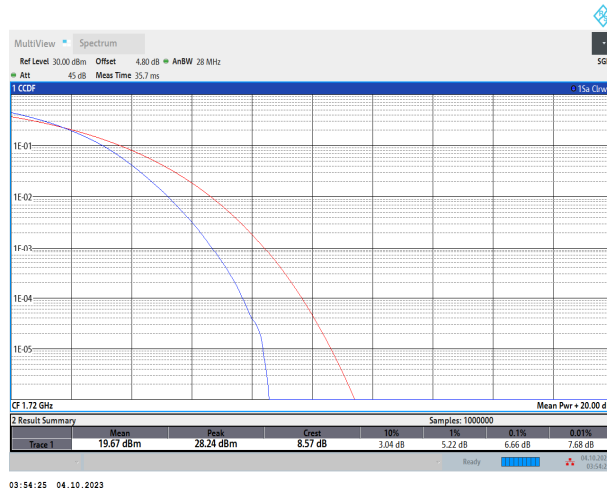
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Band4-20MHz-64QAM-20300-100RB#0



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

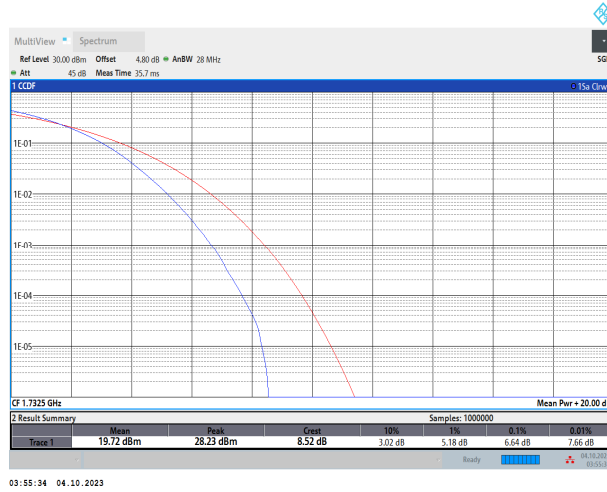


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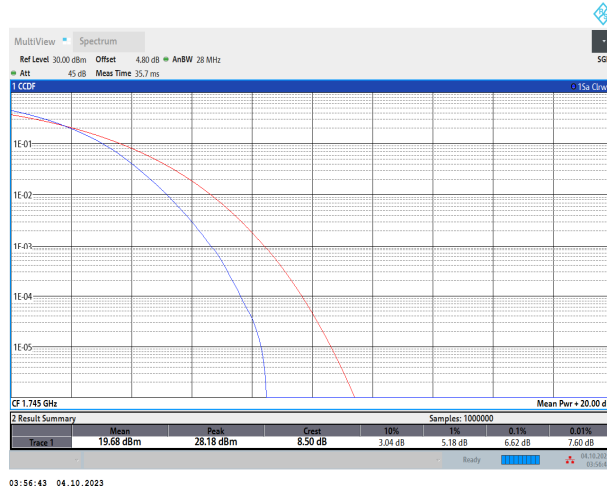
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Band4-20MHz-256QAM-20175-100RB#0



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	1.106	1.40	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.11	1.39	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.11	1.37	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.107	1.39	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.05	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.697	3.04	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.695	3.07	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.693	3.03	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.478	5.01	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.473	4.96	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.478	5.04	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.475	5.08	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.82	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.962	9.82	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.946	9.80	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.939	9.86	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.503	15.12	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.491	15.09	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.458	14.97	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.502	15.09	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.927	19.68	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.929	19.76	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.926	19.80	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.95	19.68	PASS

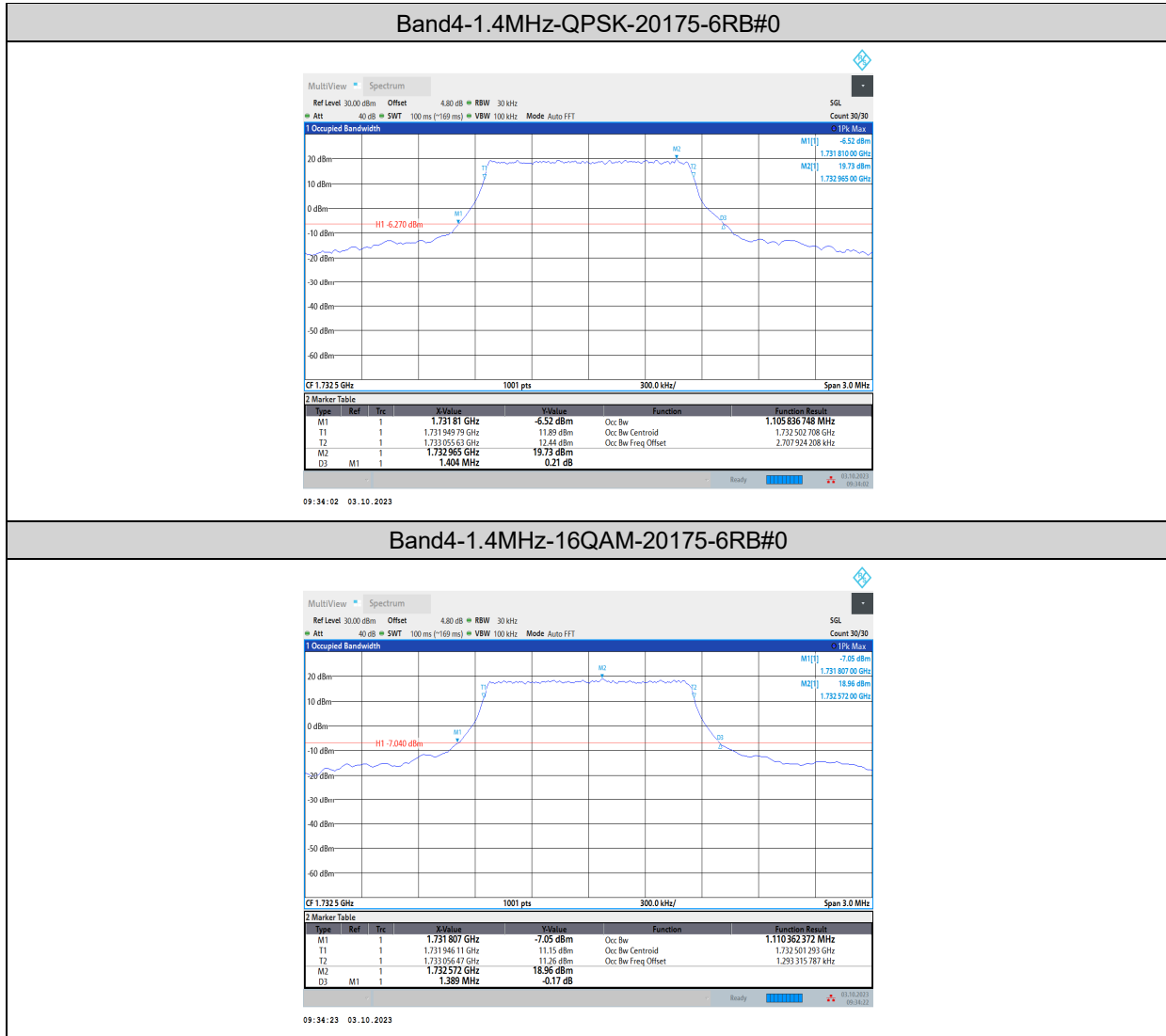


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Test Graphs

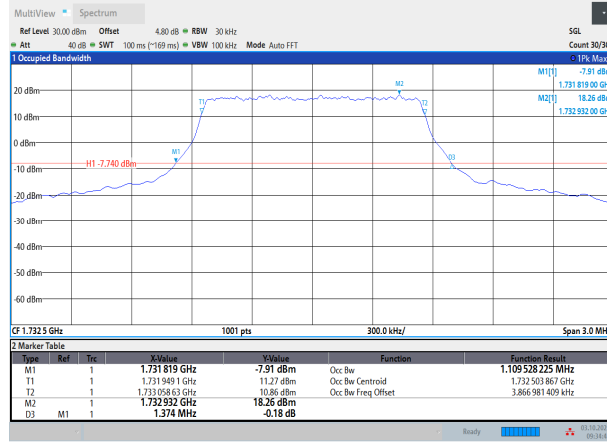


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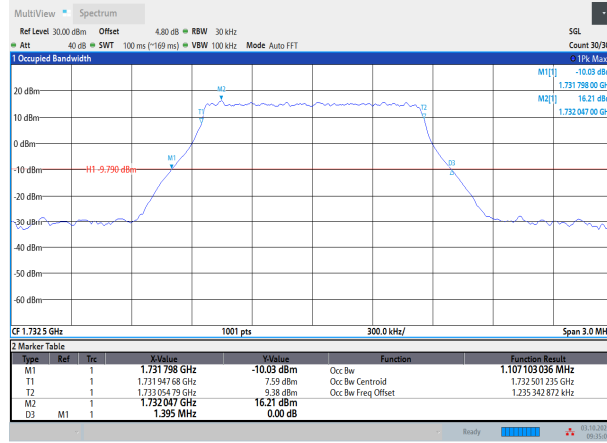
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Band4-1.4MHz-64QAM-20175-6RB#0



09:34:43 03.10.2023

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



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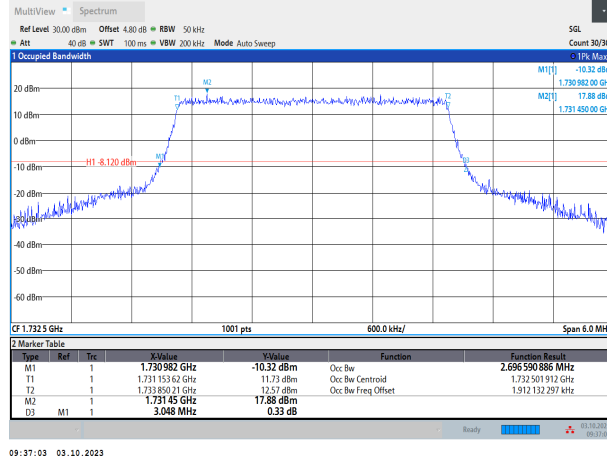


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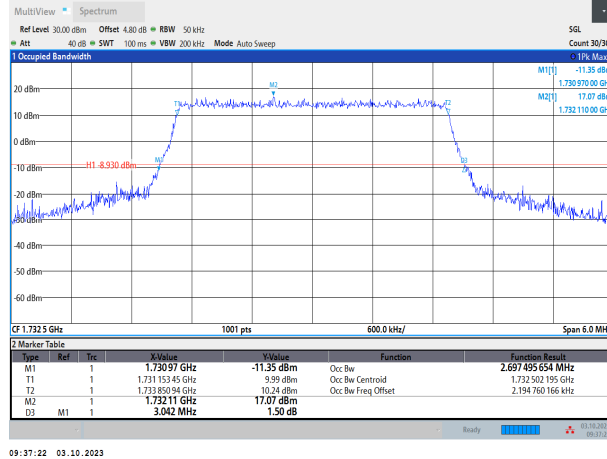
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Band4-3MHz-QPSK-20175-15RB#0



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

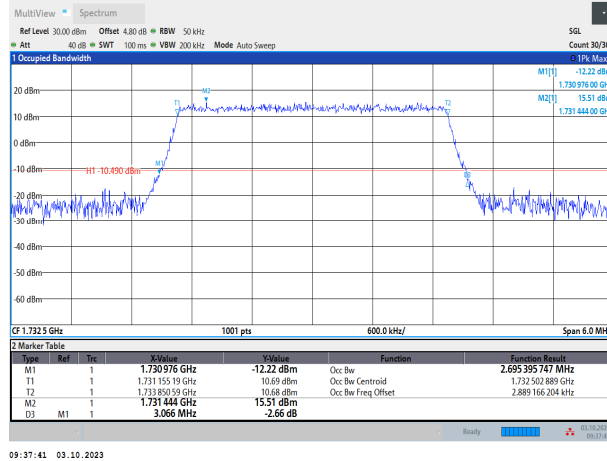


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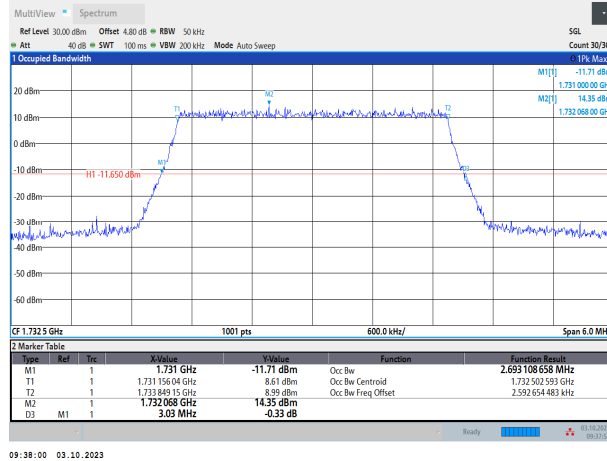
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Band4-3MHz-64QAM-20175-15RB#0



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

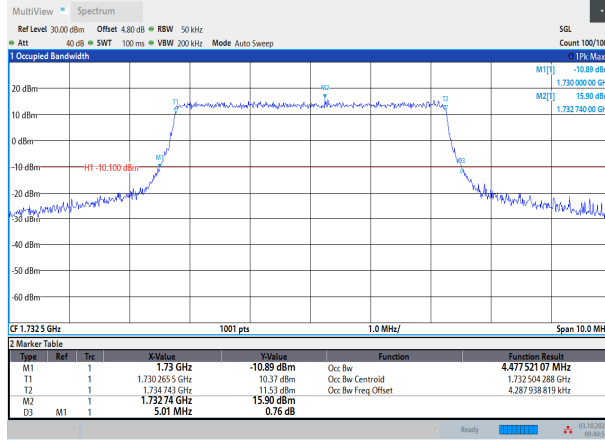


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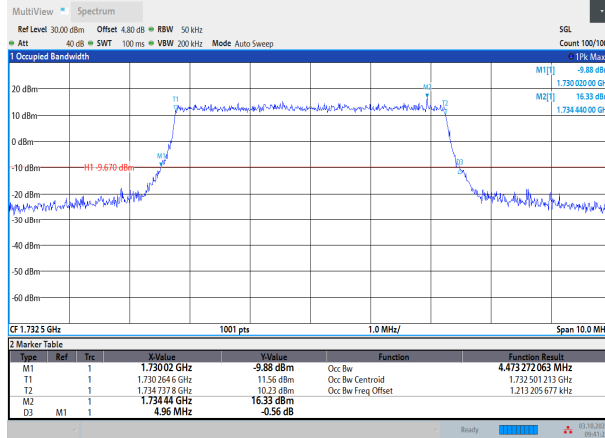
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Band4-5MHz-QPSK-20175-25RB#0



09:40:57 03.10.2023

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



09:41:23 03.10.2023

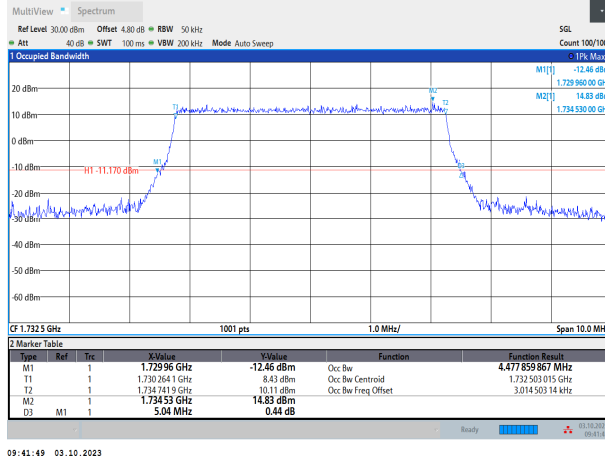


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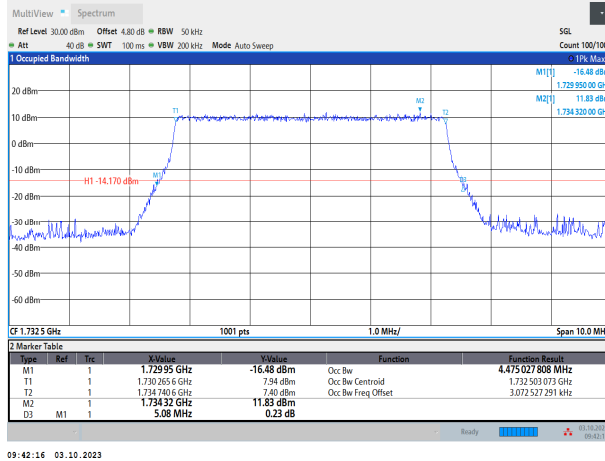
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Band4-5MHz-64QAM-20175-25RB#0



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

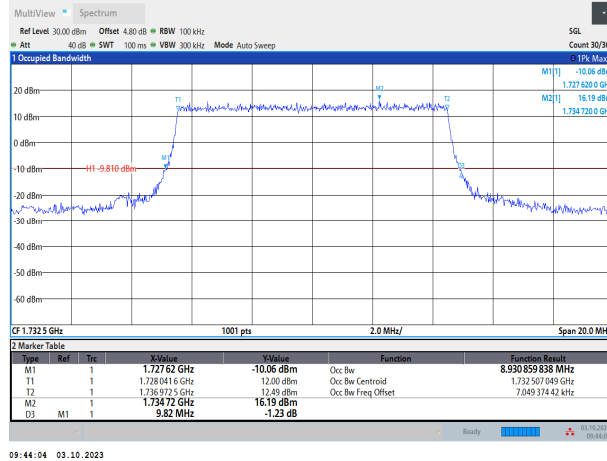


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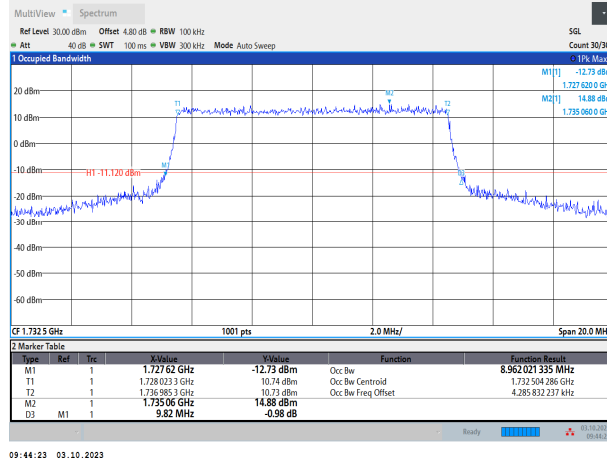
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Band4-10MHz-QPSK-20175-50RB#0



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

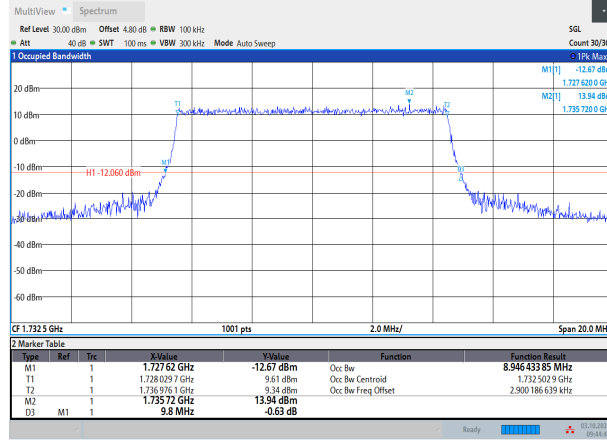


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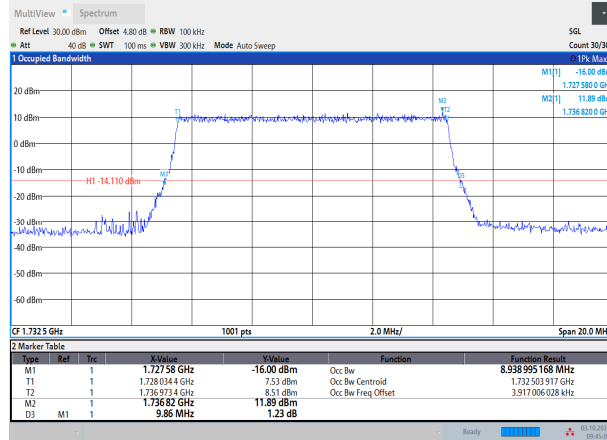
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Band4-10MHz-64QAM-20175-50RB#0



09:44:42 03.10.2023

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



09:45:01 03.10.2023

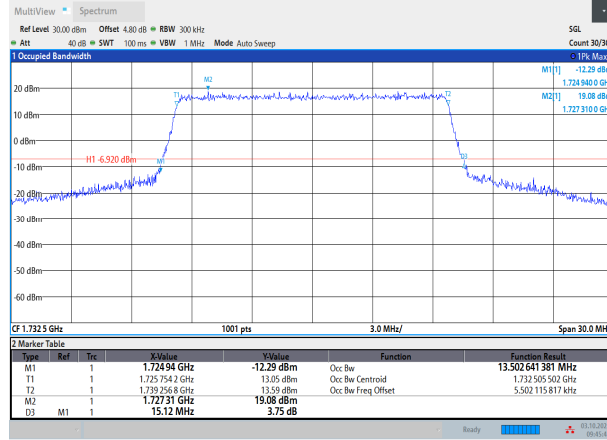


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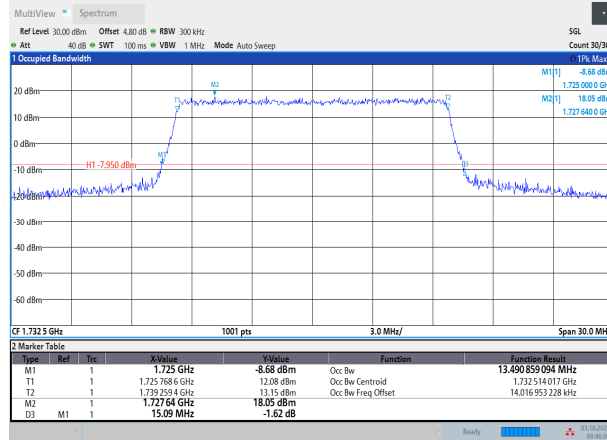
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Band4-15MHz-QPSK-20175-75RB#0



09:45:45 03.10.2023

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



09:46:04 03.10.2023

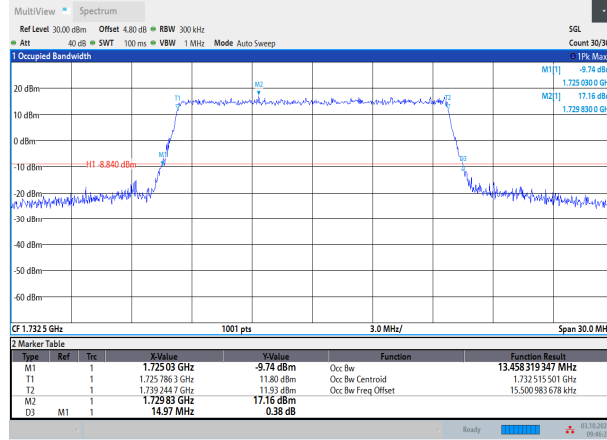


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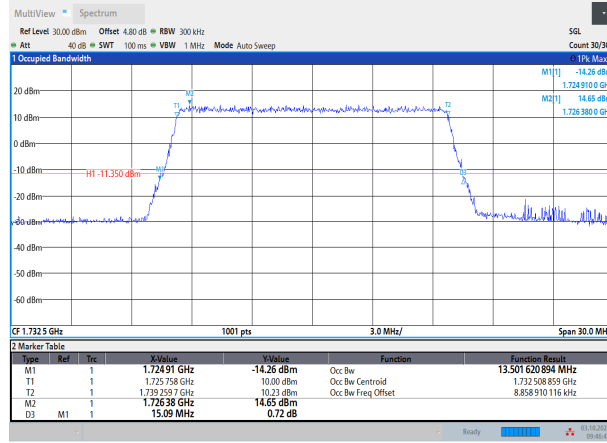
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Band4-15MHz-64QAM-20175-75RB#0



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

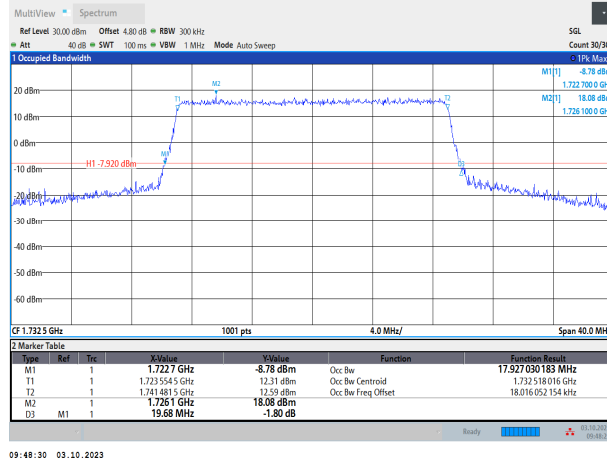


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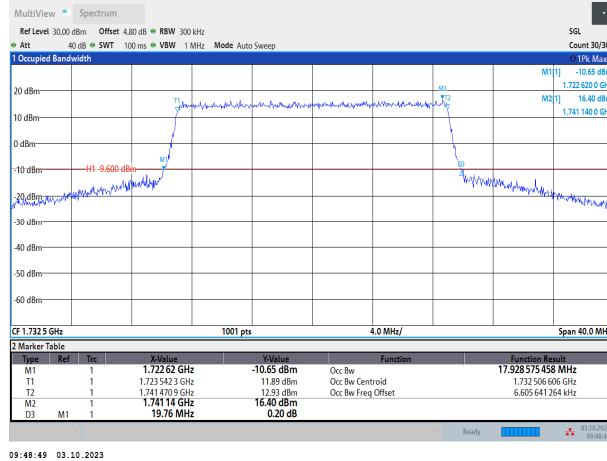
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Band4-20MHz-QPSK-20175-100RB#0



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

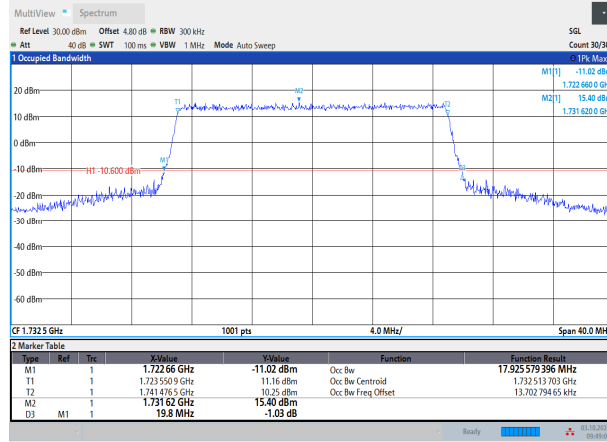


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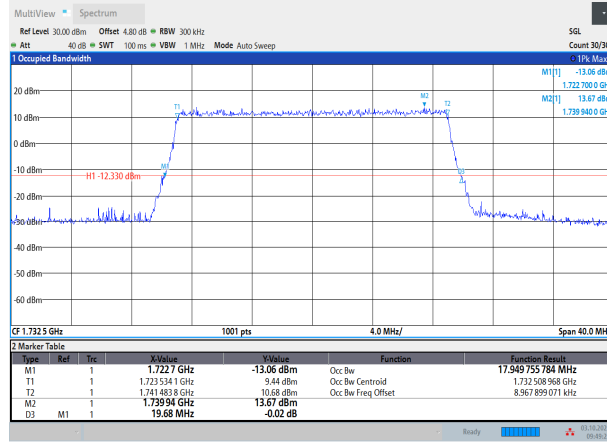
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Band4-20MHz-64QAM-20175-100RB#0



09:49:08 03.10.2023

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



09:49:27 03.10.2023



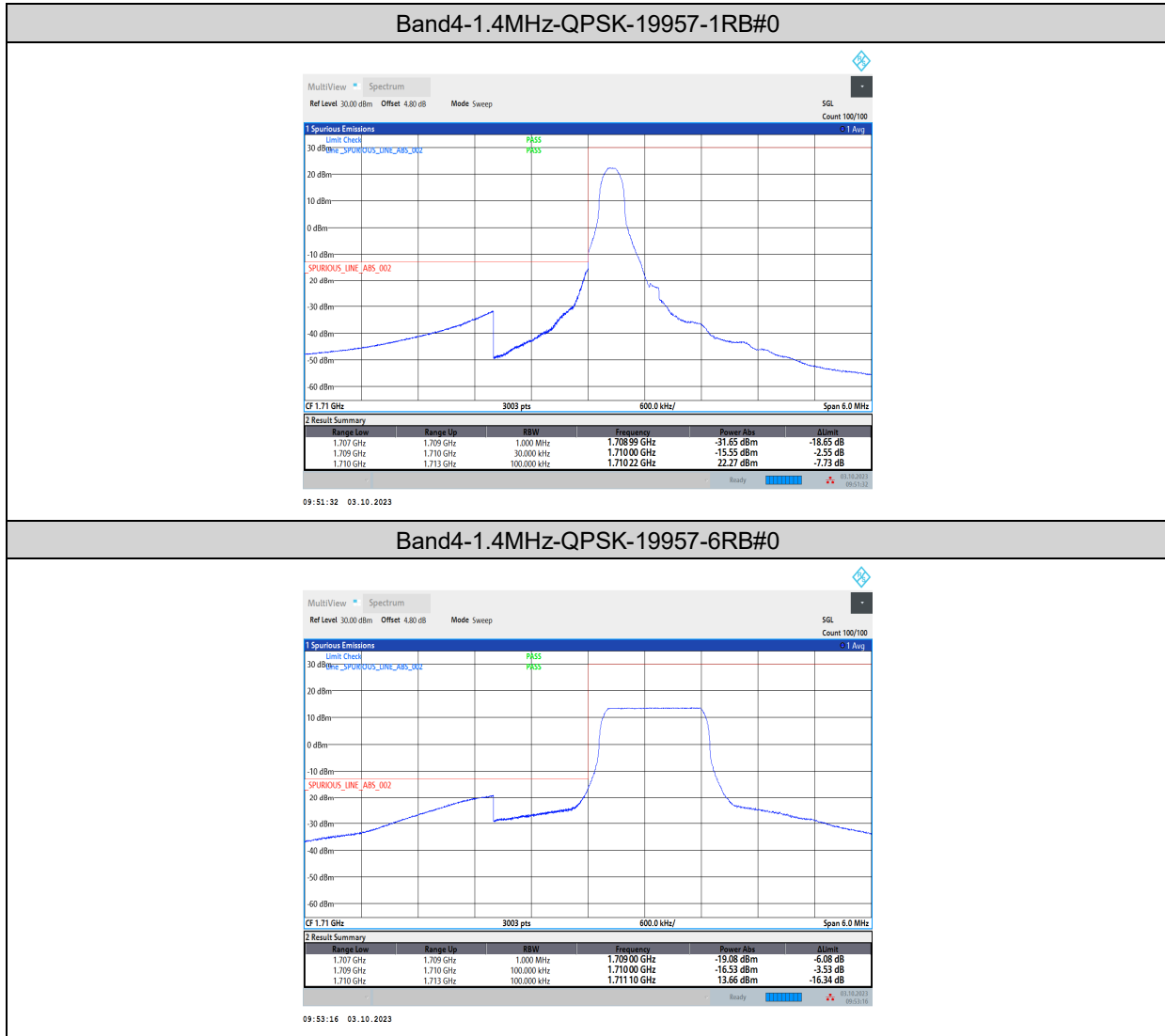
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Band Edge

Test Graphs

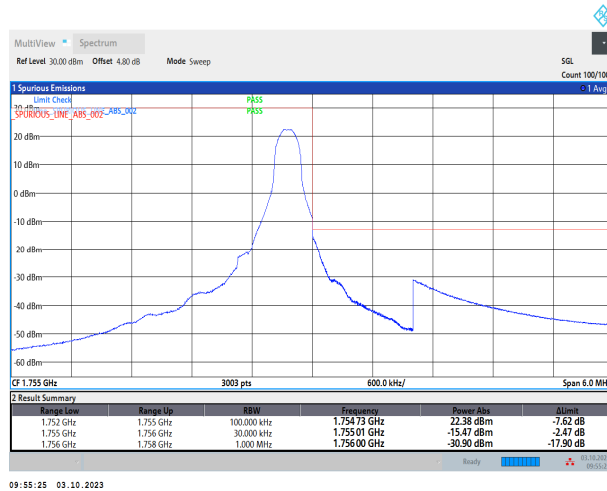


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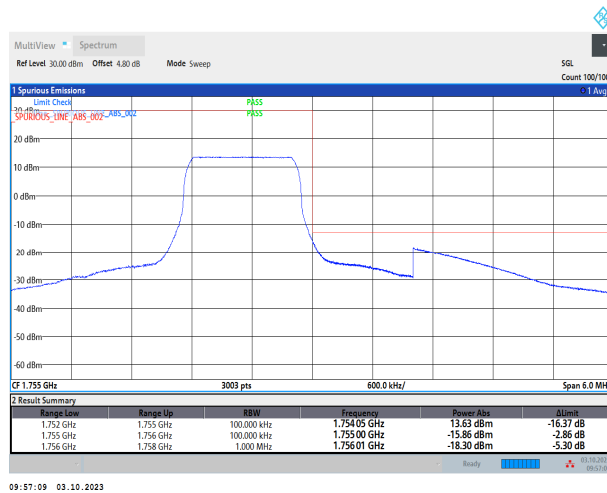
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Band4-1.4MHz-QPSK-20393-1RB#5



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

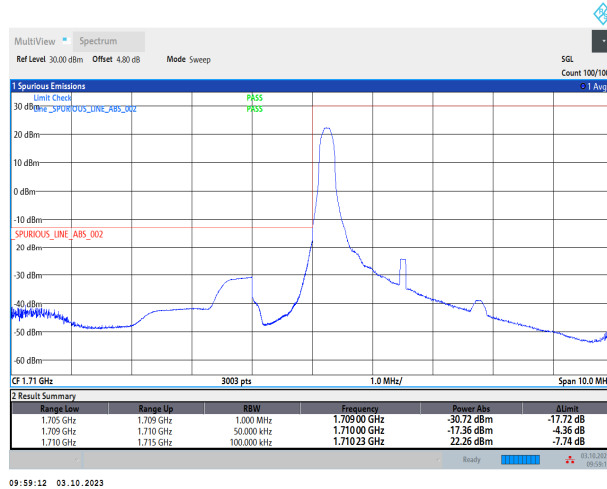


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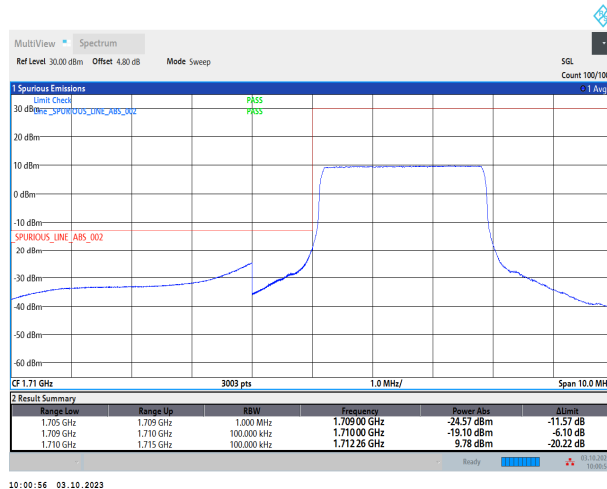
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Band4-3MHz-QPSK-19965-1RB#0



09:59:12 03.10.2023

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



10:00:56 03.10.2023

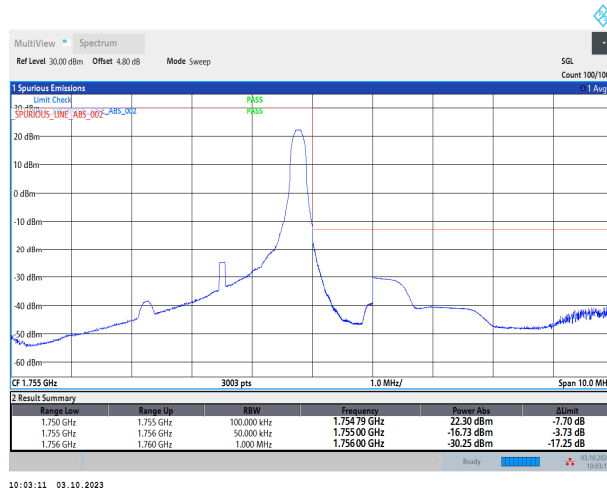


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Band4-3MHz-QPSK-20385-1RB#14



10:03:11 03.10.2023

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



10:04:55 03.10.2023

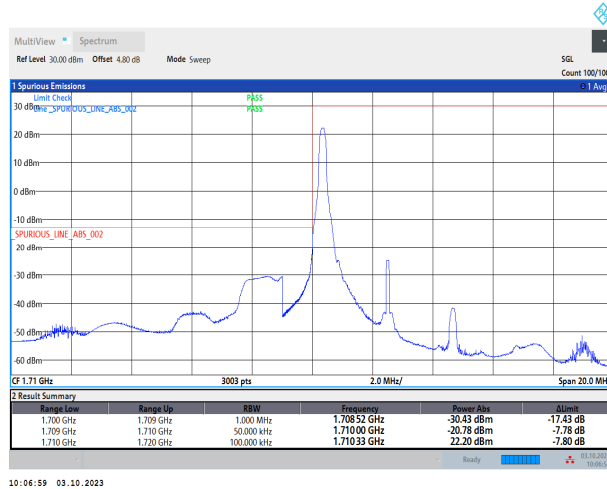


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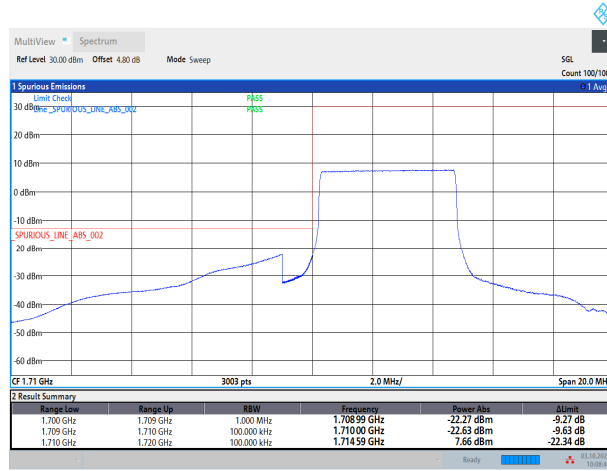
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Band4-5MHz-QPSK-19975-1RB#0



10:06:59 03.10.2023

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



10:08:43 03.10.2023

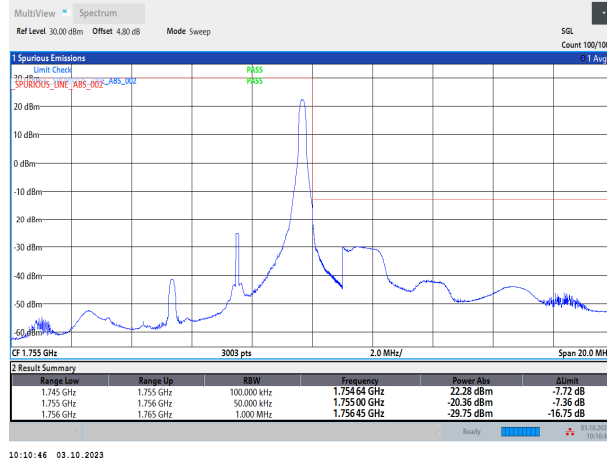


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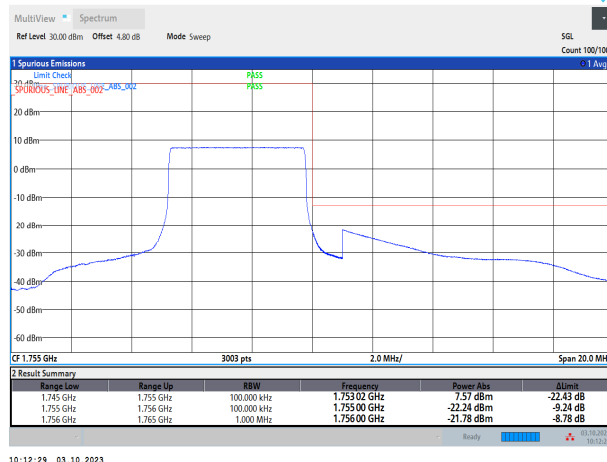
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Band4-5MHz-QPSK-20375-1RB#24



10:10:46 03.10.2023

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



10:12:29 03.10.2023

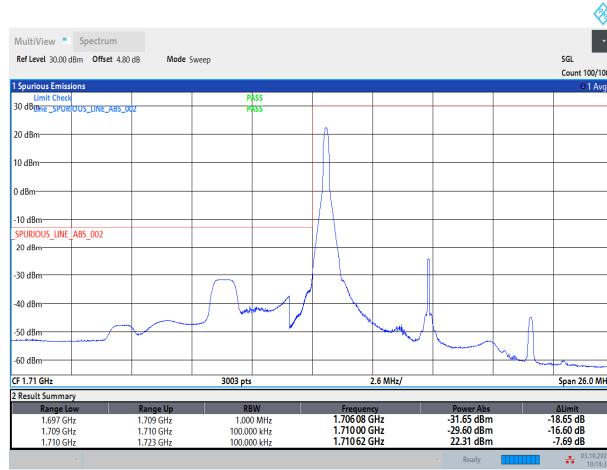


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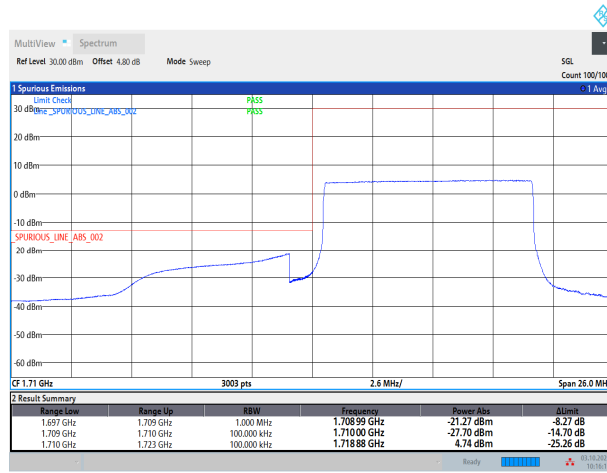
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Band4-10MHz-QPSK-20000-1RB#0



10:14:35 03.10.2023

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



10:16:19 03.10.2023

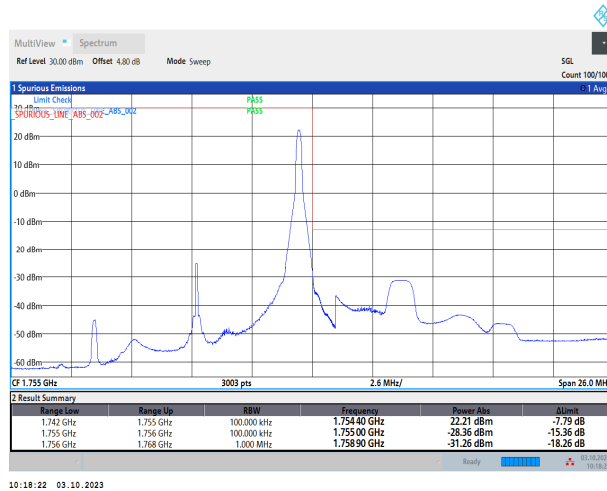


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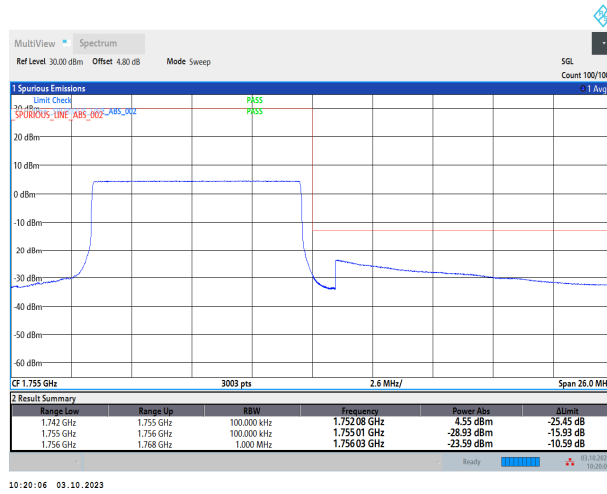
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Band4-10MHz-QPSK-20350-1RB#49



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

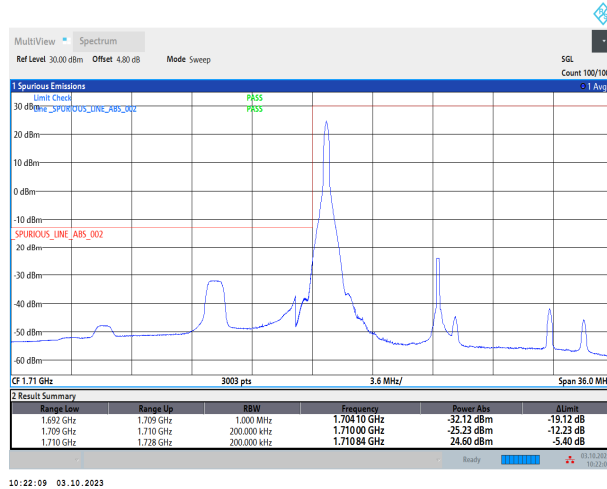


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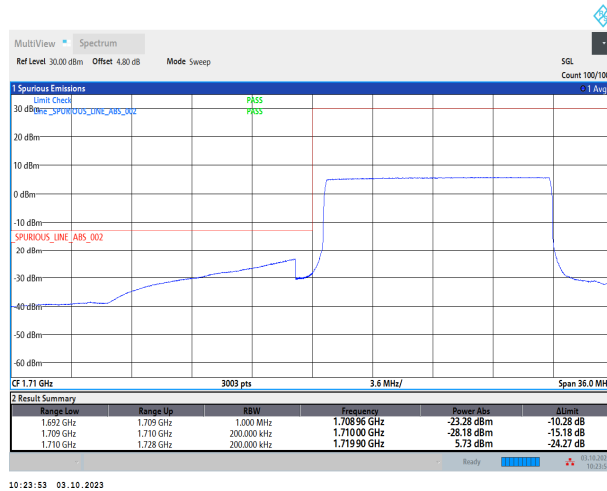
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Band4-15MHz-QPSK-20025-1RB#0



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

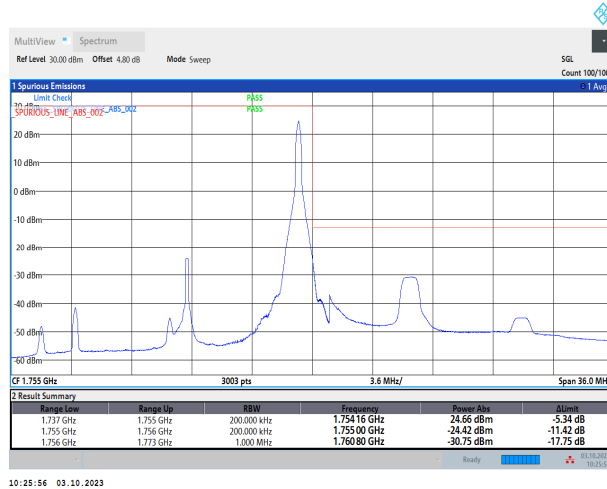


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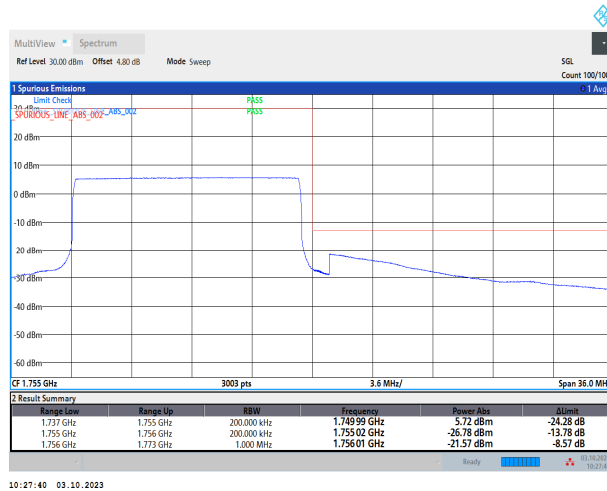
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Band4-15MHz-QPSK-20325-1RB#74



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

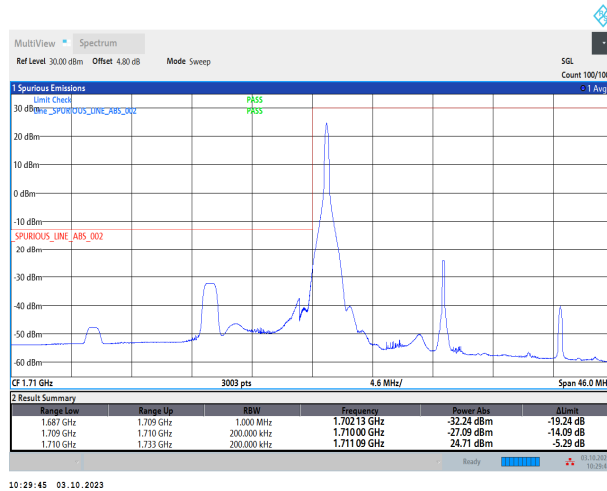


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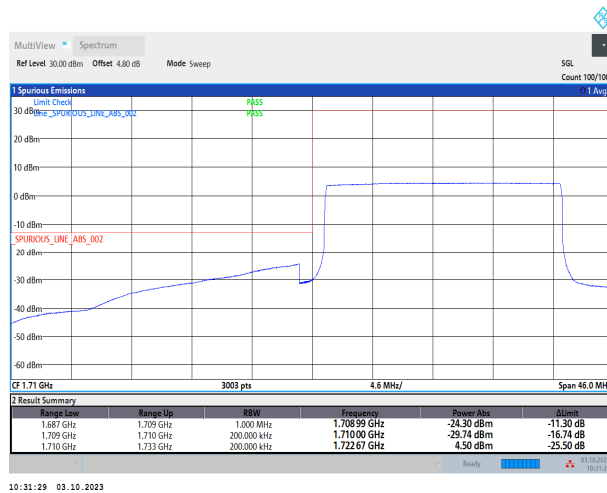
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Band4-20MHz-QPSK-20050-1RB#0



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

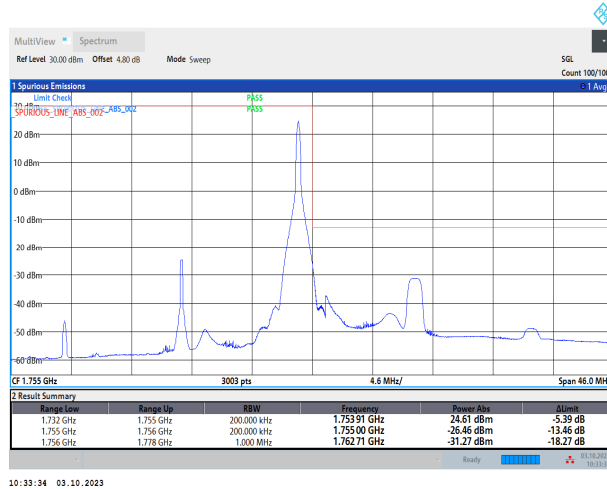


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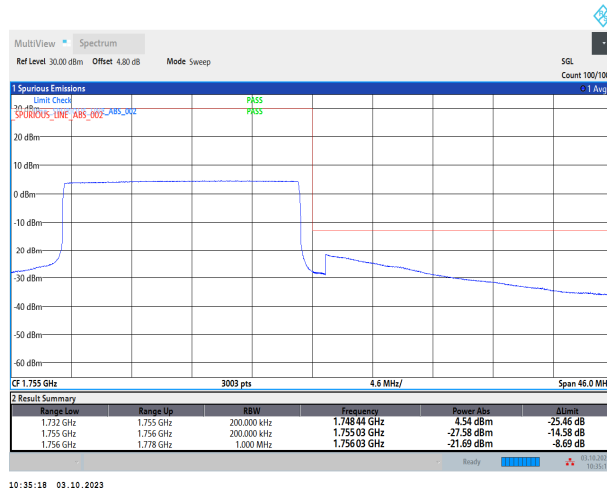
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Band4-20MHz-QPSK-20300-1RB#99



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



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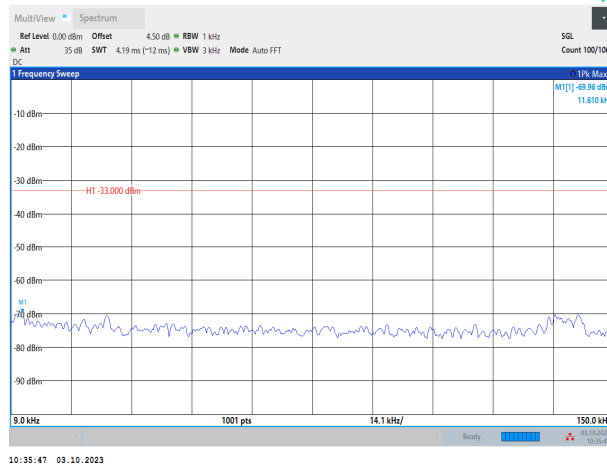
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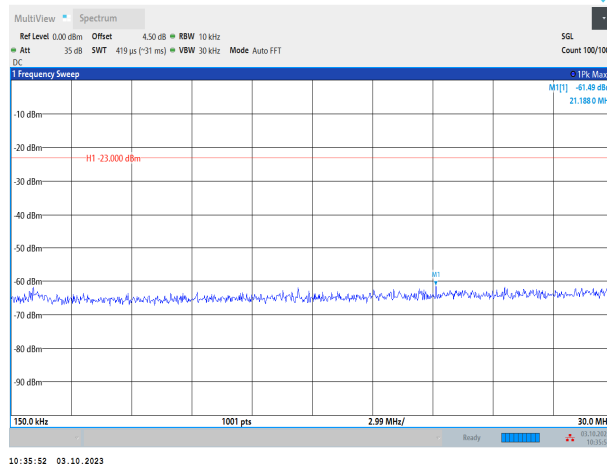
Conducted Spurious Emission

Test Graphs

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



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

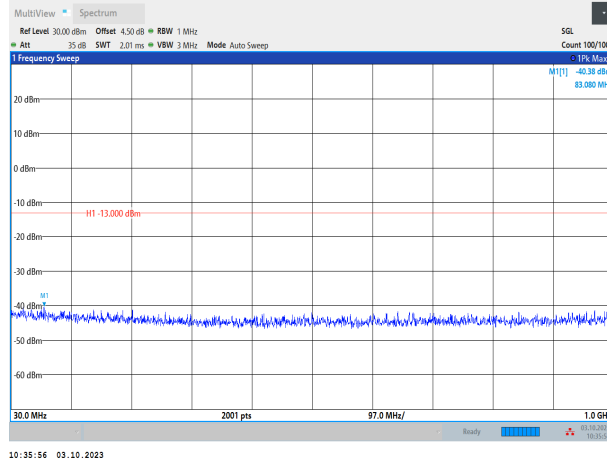


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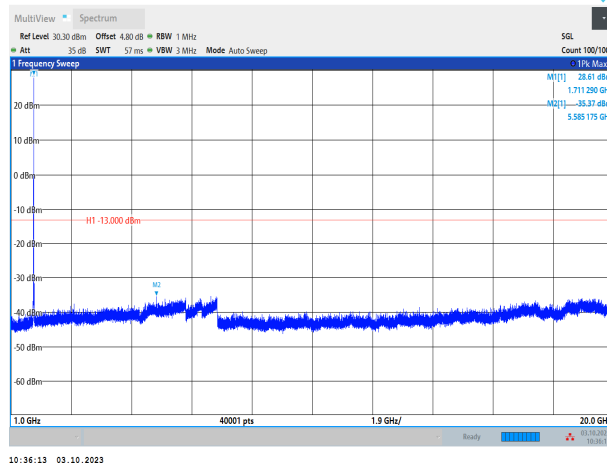
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



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

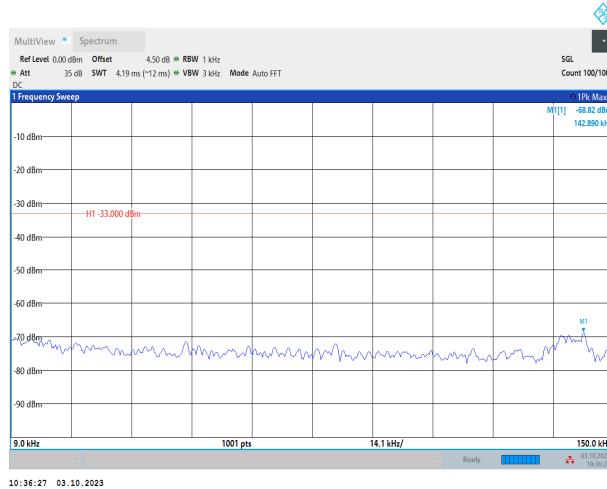


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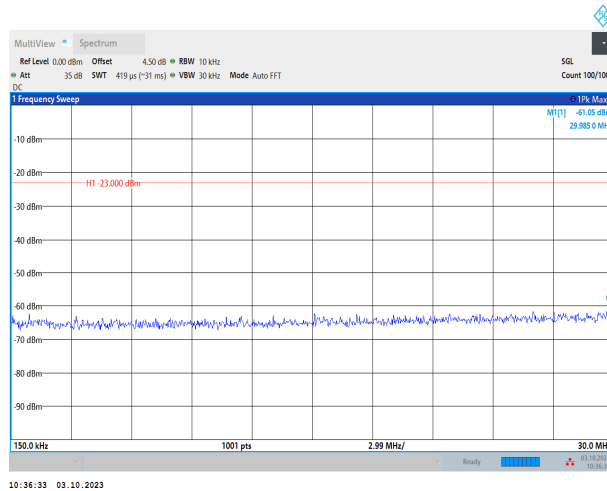
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



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

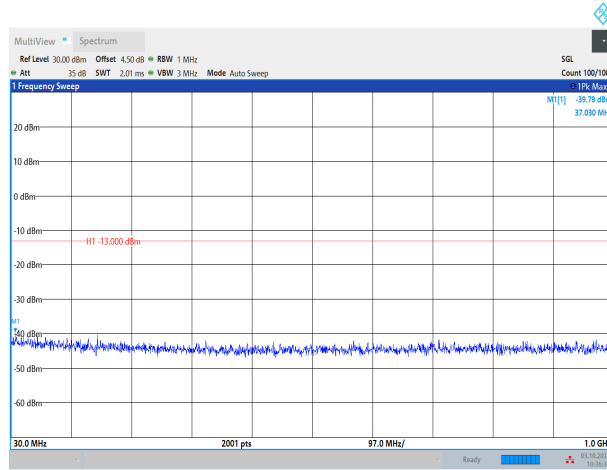


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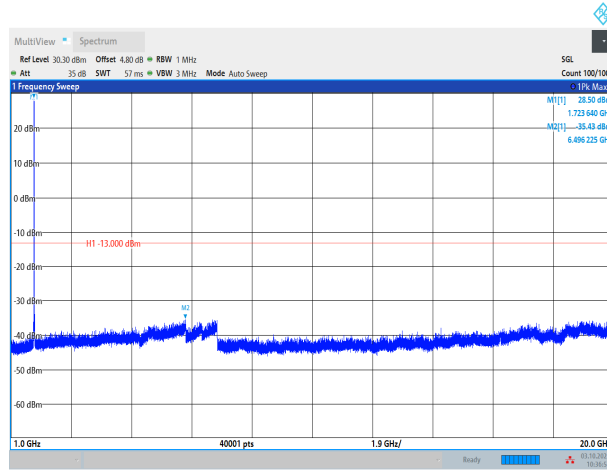
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



10:36:57 03.10.2023

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



10:36:53 03.10.2023

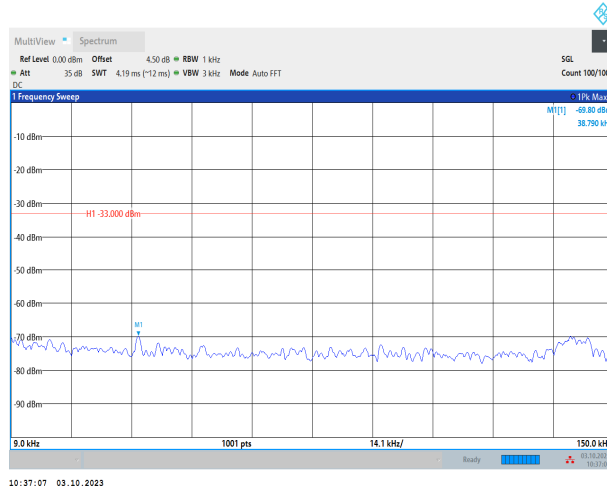


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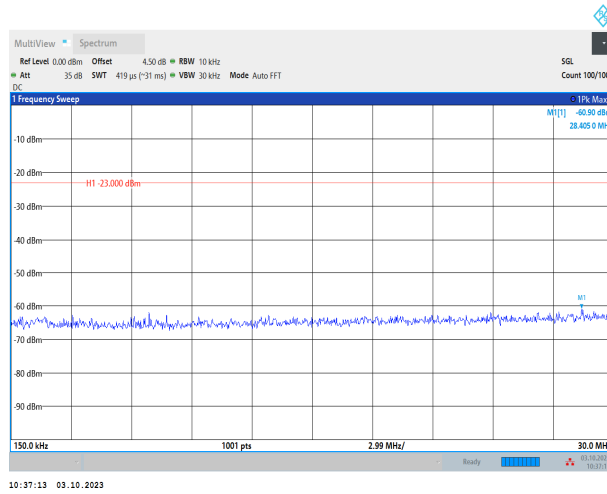
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



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

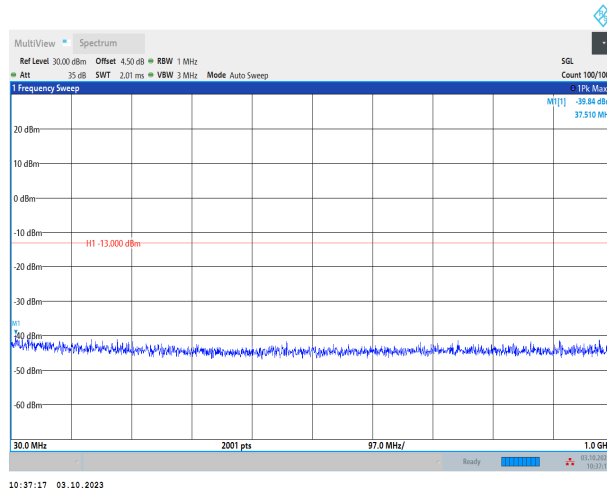


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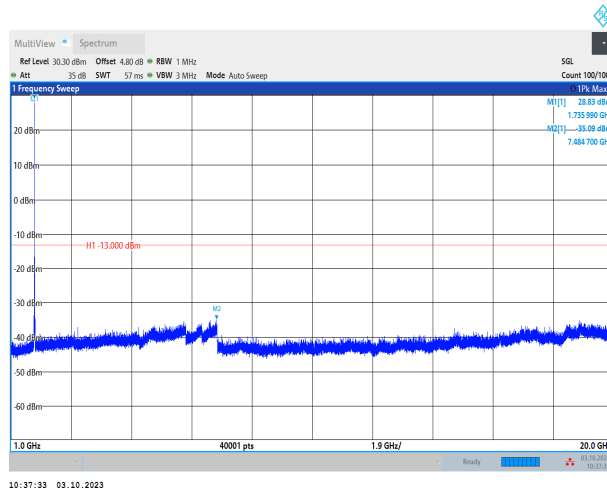
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 4_ 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	3422.18	43.81	-48.38	28.67	-71.16	-13.00	58.16	Horizontal
2	5133.27	43.28	-47.84	31.82	-68.00	-13.00	55.00	Horizontal
3	6844.36	42.99	-46.82	35.26	-63.83	-13.00	50.83	Horizontal
4	8555.45	40.17	-44.11	36.98	-62.22	-13.00	49.22	Horizontal
5	10266.54	37.22	-41.48	38.74	-60.78	-13.00	47.78	Horizontal
6	11977.63	36.32	-39.54	39.20	-59.28	-13.00	46.28	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	44.54	-48.38	28.67	-70.43	-13.00	57.43	Vertical
2	5133.27	42.79	-47.84	31.82	-68.49	-13.00	55.49	Vertical
3	6844.36	42.45	-46.82	35.26	-64.37	-13.00	51.37	Vertical
4	8555.45	40.44	-44.11	36.98	-61.95	-13.00	48.95	Vertical
5	10266.54	38.55	-41.48	38.74	-59.45	-13.00	46.45	Vertical
6	11977.63	36.64	-39.54	39.20	-58.96	-13.00	45.96	Vertical



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

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Test Band = LTE Band 4_ 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	3447.18	43.06	-48.35	28.68	-71.87	-13.00	58.87	Horizontal
2	5170.77	43.59	-47.87	31.91	-67.63	-13.00	54.63	Horizontal
3	6894.36	42.55	-46.74	35.37	-64.08	-13.00	51.08	Horizontal
4	8617.95	39.43	-44.00	37.07	-62.76	-13.00	49.76	Horizontal
5	10341.54	37.69	-41.19	38.81	-59.95	-13.00	46.95	Horizontal
6	12065.13	36.56	-39.56	39.16	-59.10	-13.00	46.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.18	43.70	-48.35	28.68	-71.23	-13.00	58.23	Vertical
2	5170.77	43.58	-47.87	31.91	-67.64	-13.00	54.64	Vertical
3	6894.36	42.39	-46.74	35.37	-64.24	-13.00	51.24	Vertical
4	8617.95	39.46	-44.00	37.07	-62.73	-13.00	49.73	Vertical
5	10341.54	38.20	-41.19	38.81	-59.44	-13.00	46.44	Vertical
6	12065.13	36.68	-39.56	39.16	-58.98	-13.00	45.98	Vertical



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Test Band = LTE Band 4_ 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	3472.18	44.03	-48.32	28.69	-70.86	-13.00	57.86	Horizontal
2	5208.27	44.03	-47.88	32.00	-67.11	-13.00	54.11	Horizontal
3	6944.36	41.76	-46.67	35.48	-64.69	-13.00	51.69	Horizontal
4	8680.45	40.54	-44.09	37.15	-61.66	-13.00	48.66	Horizontal
5	10416.54	38.81	-41.14	38.88	-58.72	-13.00	45.72	Horizontal
6	12152.63	36.71	-39.73	39.11	-59.17	-13.00	46.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	43.98	-48.32	28.69	-70.91	-13.00	57.91	Vertical
2	5208.27	43.28	-47.88	32.00	-67.86	-13.00	54.86	Vertical
3	6944.36	42.14	-46.67	35.48	-64.31	-13.00	51.31	Vertical
4	8680.45	40.26	-44.09	37.15	-61.94	-13.00	48.94	Vertical
5	10416.54	38.05	-41.14	38.88	-59.48	-13.00	46.48	Vertical
6	12152.63	37.02	-39.73	39.11	-58.86	-13.00	45.86	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) - Pre-amplifier (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	-0.20	-0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.20	0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.30	-0.000173	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.30	-0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	1.80	0.001039	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	1.00	0.000577	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-0.90	-0.000519	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-1.00	-0.000577	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-1.20	-0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-0.60	-0.000346	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.60	0.000346	PASS

---End of Attachment---



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