

Report No.: SEWM2206000070RG01

Rev.: 01

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Appendix B.2

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	23.17	25.99	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.24	26.06	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.15	25.97	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.21	25.03	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.35	26.17	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.19	26.01	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.28	26.1	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.26	25.08	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.25	26.07	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.02	25.84	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.03	25.85	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.99	24.81	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.21	25.03	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.42	25.24	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.32	25.14	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.25	24.07	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.31	25.13	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.32	25.14	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.32	25.14	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.27	24.09	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.16	24.98	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.96	24.78	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.16	24.98	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.04	23.86	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.44	24.26	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.48	24.3	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.32	24.14	30	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.23	23.05	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.51	24.33	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.39	24.21	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.37	24.19	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.23	23.05	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.14	23.96	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.12	23.94	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.19	24.01	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.09	22.91	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	18.25	21.07	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	18.39	21.21	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	18.17	20.99	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	18.32	21.14	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	18.35	21.17	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	18.33	21.15	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	18.3	21.12	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	18.31	21.13	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	18.13	20.95	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	18.05	20.87	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	17.99	20.81	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	18.07	20.89	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.14	25.96	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.35	26.17	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.24	26.06	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.32	25.14	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.33	26.15	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.32	26.14	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.3	26.12	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.21	25.03	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.41	26.23	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.15	25.97	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.97	25.79	30	PASS



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Band4	3MHz	QPSK	20385	15RB#0	22.05	24.87	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.28	25.1	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.41	25.23	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.32	25.14	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.34	24.16	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.36	25.18	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.46	25.28	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.37	25.19	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.2	24.02	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.23	25.05	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.09	24.91	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.08	24.9	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.13	23.95	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.33	24.15	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.46	24.28	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.27	24.09	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.33	23.15	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.27	24.09	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.48	24.3	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.4	24.22	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.22	23.04	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.19	24.01	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.25	24.07	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.32	24.14	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.06	22.88	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	18.28	21.1	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	18.45	21.27	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	18.19	21.01	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	18.33	21.15	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	18.37	21.19	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	18.37	21.19	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	18.15	20.97	30	PASS



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Band4	3MHz	256QAM	20175	15RB#0	18.2	21.02	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	18.04	20.86	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	18.13	20.95	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	18.22	21.04	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	18.14	20.96	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.24	26.06	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.31	26.13	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.23	26.05	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.27	25.09	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.15	25.97	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.33	26.15	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.33	26.15	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.19	25.01	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.26	26.08	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.04	25.86	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.06	25.88	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.09	24.91	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.48	25.3	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.4	25.22	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.36	25.18	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.3	24.12	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.38	25.2	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.43	25.25	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.35	25.17	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.18	24	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.3	25.12	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.31	25.13	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.17	24.99	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.17	23.99	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.48	24.3	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.44	24.26	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.38	24.2	30	PASS



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Band4	5MHz	64QAM	19975	25RB#0	20.26	23.08	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.5	24.32	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.47	24.29	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.46	24.28	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.17	22.99	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.36	24.18	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.1	23.92	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.13	23.95	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.16	22.98	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	18.45	21.27	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	18.5	21.32	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	18.36	21.18	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	18.32	21.14	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	18.37	21.19	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	18.53	21.35	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	18.28	21.1	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	18.19	21.01	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	18.09	20.91	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	18.06	20.88	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	18.22	21.04	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	18.15	20.97	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.33	26.15	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.3	26.12	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.26	26.08	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.22	25.04	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.36	26.18	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.31	26.13	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.18	26	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.21	25.03	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.25	26.07	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.14	25.96	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.97	25.79	30	PASS



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Band4	10MHz	QPSK	20350	50RB#0	22.14	24.96	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.42	25.24	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.46	25.28	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.4	25.22	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.2	24.02	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.23	25.05	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.34	25.16	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.3	25.12	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.18	24	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.15	24.97	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.31	25.13	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.34	25.16	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.16	23.98	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.31	24.13	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.44	24.26	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.4	24.22	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.19	23.01	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.3	24.12	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.46	24.28	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.43	24.25	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.16	22.98	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.24	24.06	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.25	24.07	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.24	24.06	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.14	22.96	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	18.32	21.14	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	18.47	21.29	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	18.19	21.01	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	18.27	21.09	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	18.24	21.06	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	18.42	21.24	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	18.25	21.07	30	PASS



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Band4	10MHz	256QAM	20175	50RB#0	18.19	21.01	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	18.16	20.98	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	18.2	21.02	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	18.15	20.97	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	18.22	21.04	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.03	25.85	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.12	25.94	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.34	26.16	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.22	25.04	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.33	26.15	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.22	26.04	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.36	26.18	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.08	24.9	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.25	26.07	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.99	25.81	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.92	25.74	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22	24.82	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.11	24.93	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.18	25	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.2	25.02	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.12	23.94	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.16	24.98	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.16	24.98	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.2	25.02	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.07	23.89	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.91	24.73	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.14	24.96	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.09	24.91	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.1	23.92	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.09	23.91	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.36	24.18	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.37	24.19	30	PASS



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Band4	15MHz	64QAM	20025	75RB#0	20.18	23	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.24	24.06	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.11	23.93	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.38	24.2	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.06	22.88	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.96	23.78	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.98	23.8	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.19	24.01	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.03	22.85	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	18.36	21.18	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	17.9	20.72	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	18.22	21.04	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	18.21	21.03	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	18.14	20.96	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	18.16	20.98	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	18.34	21.16	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	18.12	20.94	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	18.11	20.93	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	18.24	21.06	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	18.04	20.86	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	18.01	20.83	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.2	26.02	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.08	25.9	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.37	26.19	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.17	24.99	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.35	26.17	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.04	25.86	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.08	25.9	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.15	24.97	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.36	26.18	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.99	25.81	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.98	25.8	30	PASS



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Band4	20MHz	QPSK	20300	100RB#0	22.03	24.85	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.11	24.93	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.19	25.01	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.3	25.12	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.17	23.99	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.23	25.05	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.29	25.11	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.17	24.99	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.05	23.87	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.39	25.21	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.99	24.81	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.42	25.24	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.05	23.87	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.24	24.06	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.18	24	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.16	23.98	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.16	22.98	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.05	23.87	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.13	23.95	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.24	24.06	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.07	22.89	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.19	24.01	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.95	23.77	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.08	23.9	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.11	22.93	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	18.01	20.83	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	18.02	20.84	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	18.35	21.17	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	18.16	20.98	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	18.16	20.98	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	18.14	20.96	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	17.98	20.8	30	PASS



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Rev.: 01

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Band4	20MHz	256QAM	20175	100RB#0	18.06	20.88	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	17.94	20.76	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	18.14	20.96	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	17.98	20.8	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	18.01	20.83	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	5.36	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.42	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.50	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.34	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.16	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.38	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.76	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.62	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.78	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	7.06	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.94	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	7.18	13	PASS



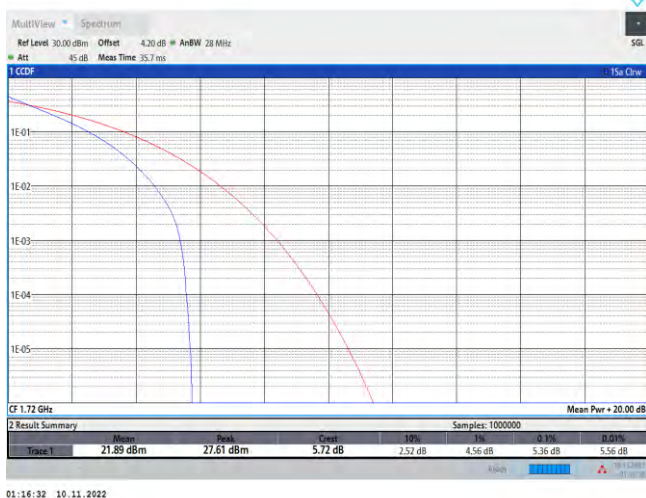
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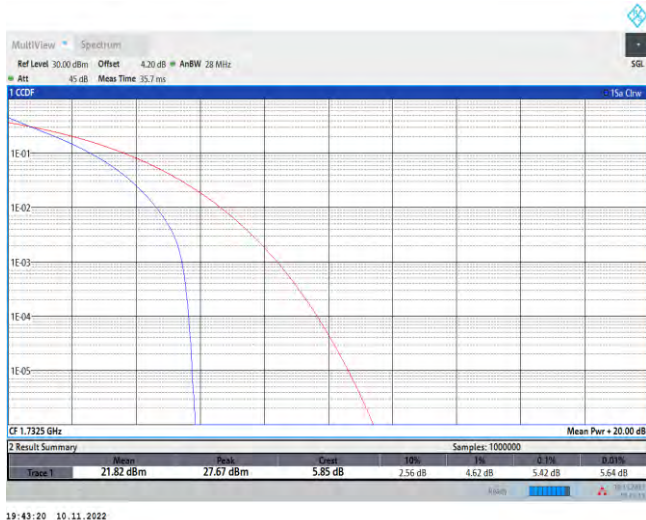
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Test Graphs

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



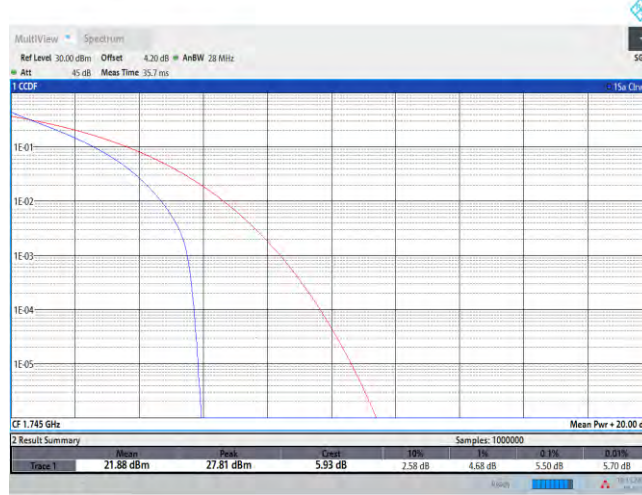
Band4-20MHz-QPSK-20175-100RB#0



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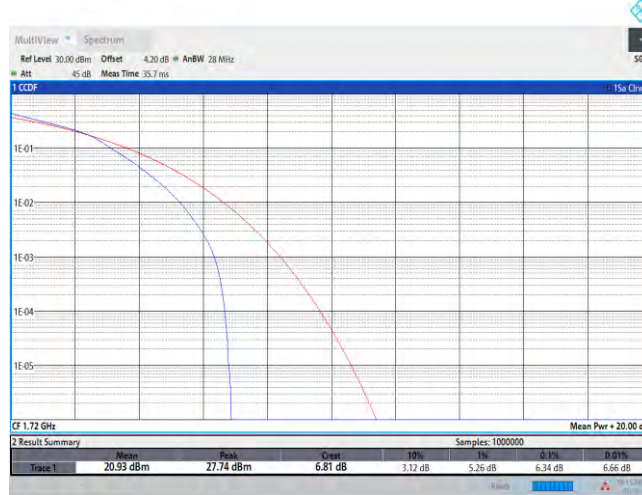
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Band4-20MHz-QPSK-20300-100RB#0



19:43:37 10.11.2022

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



01:16:48 10.11.2022



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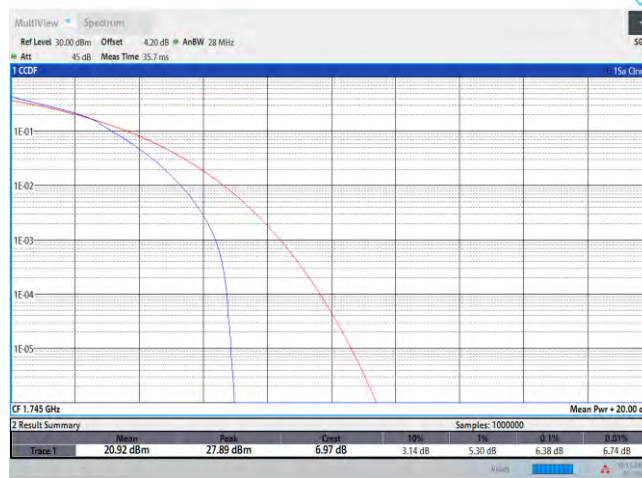
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Band4-20MHz-16QAM-20175-100RB#0



01:17:55 10.11.2022

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



01:19:05 10.11.2022



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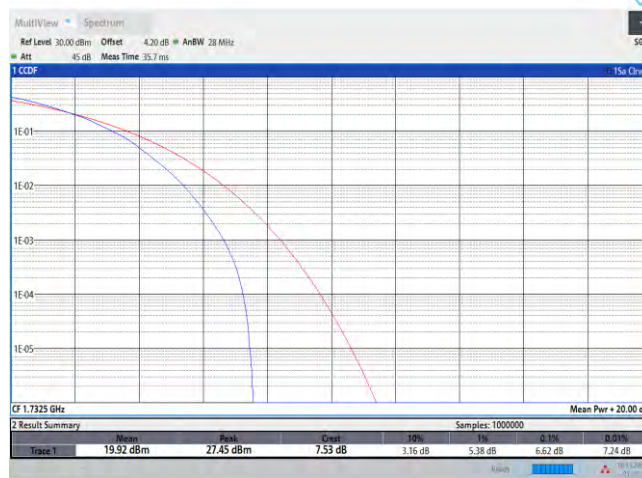
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Band4-20MHz-64QAM-20050-100RB#0



01:17:04 10.11.2022

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



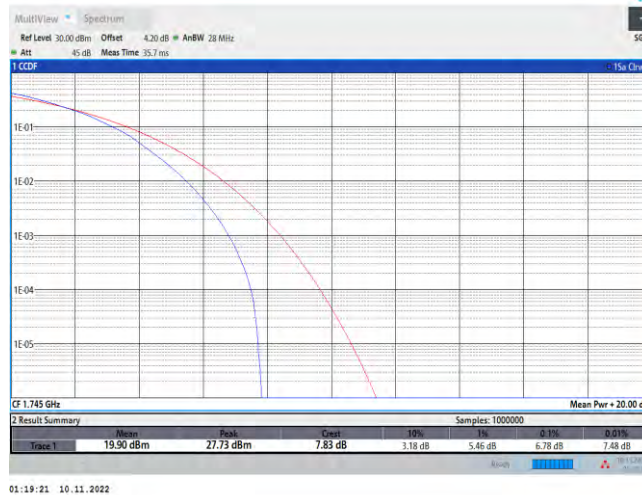
01:18:12 10.11.2022



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



01:19:21 10.11.2022

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



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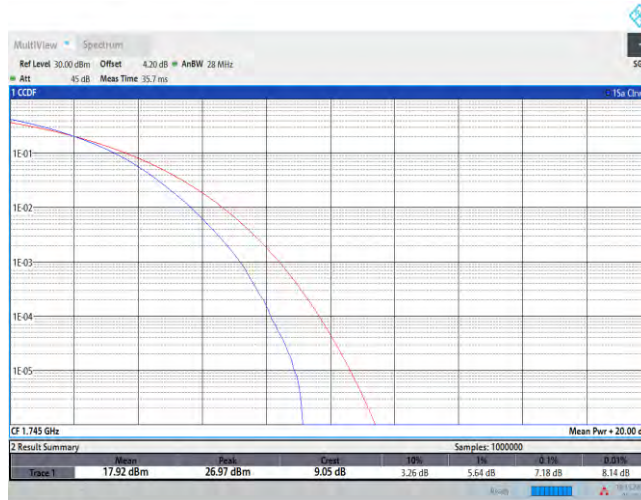
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Band4-20MHz-256QAM-20175-100RB#0



01:18:28 10.11.2022

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



01:19:38 10.11.2022



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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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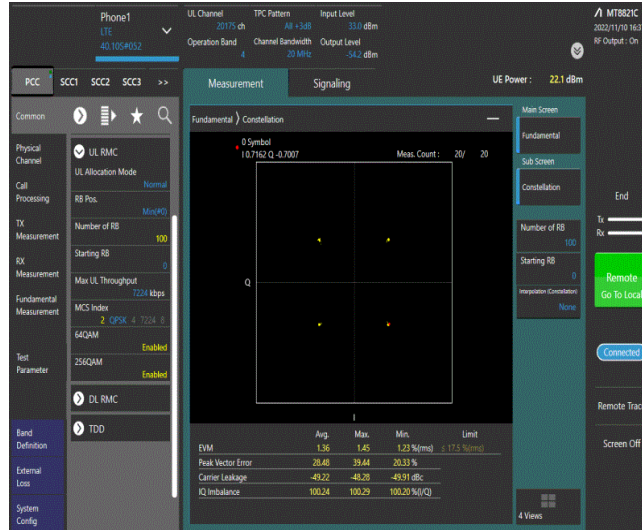
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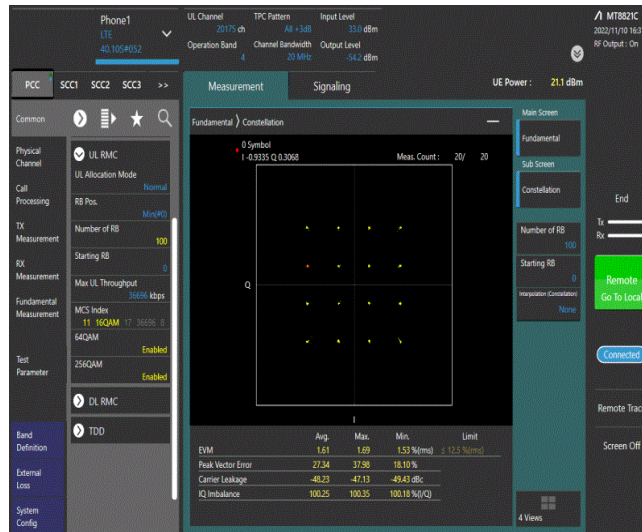
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Test Graphs

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



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



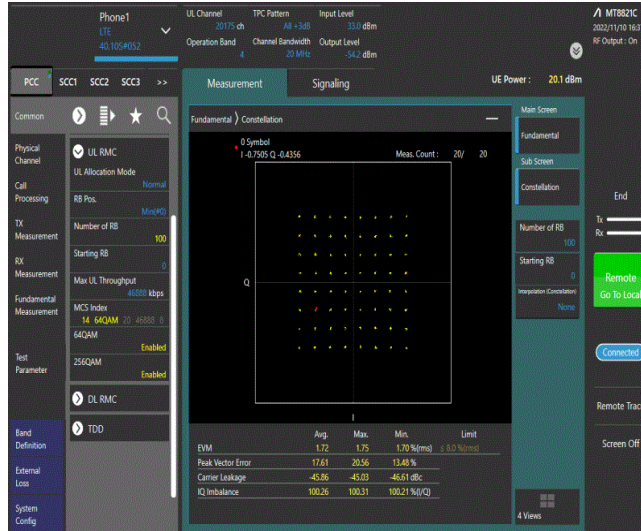
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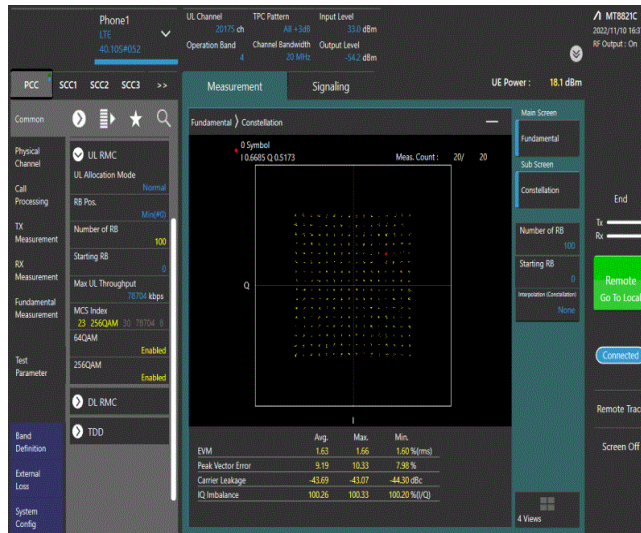
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Band4-20MHz-64QAM-20175-100RB#0



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	1.102	1.39	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.108	1.40	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.108	1.38	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.103	1.39	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.108	1.40	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.107	1.38	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.108	1.38	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.108	1.42	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.104	1.38	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.105	1.41	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.103	1.38	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.104	1.38	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.699	3.03	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.693	3.05	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.698	3.08	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.696	3.06	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.701	3.03	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.697	3.03	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.701	3.08	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.698	3.06	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.698	3.06	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.702	3.07	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.696	3.04	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.701	3.04	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.477	5.02	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.479	5.04	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.482	5.04	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.477	5.05	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.475	5.06	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.48	5.08	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.97	PASS



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Band4	5MHz	64QAM	20175	25RB#0	4.479	5.02	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.475	5.04	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.475	5.06	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.476	5.07	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.481	5.16	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.939	9.80	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.93	9.84	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.949	9.90	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.964	9.94	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.948	10.02	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.953	9.92	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.952	9.88	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.954	9.84	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.946	9.82	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.951	9.86	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.932	9.88	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.953	9.84	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.506	14.97	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.496	15.06	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.514	15.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.497	15.12	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.493	14.97	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.49	15.03	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.497	15.09	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.472	14.85	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.49	15.06	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.492	15.00	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.484	14.91	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.46	15.06	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.914	19.80	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.917	19.76	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.951	19.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.896	19.80	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.905	19.80	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.941	19.64	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.9	19.76	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.875	19.64	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.941	19.68	PASS



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Band4	20MHz	256QAM	20050	100RB#0	17.898	19.68	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.887	19.52	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.979	19.84	PASS



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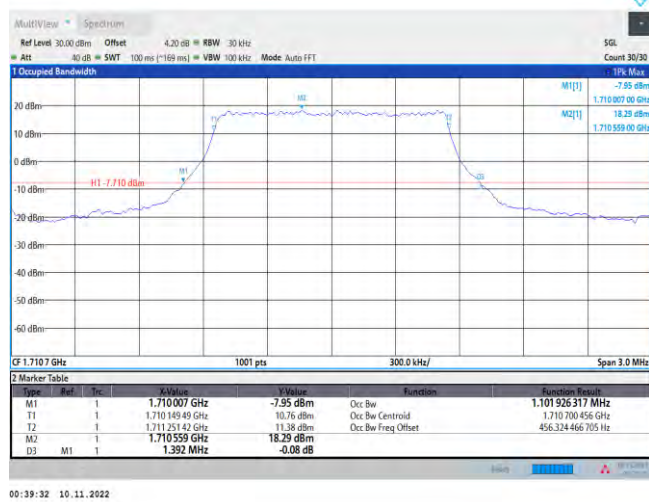
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Test Graphs

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



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



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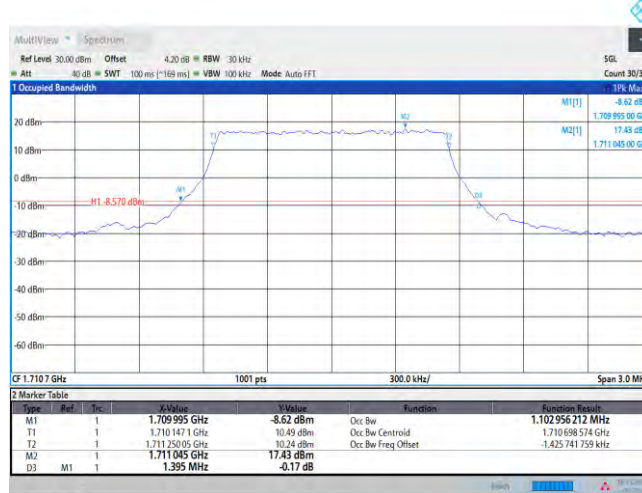
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Band4-1.4MHz-QPSK-20393-6RB#0



00:41:54 10.11.2022

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



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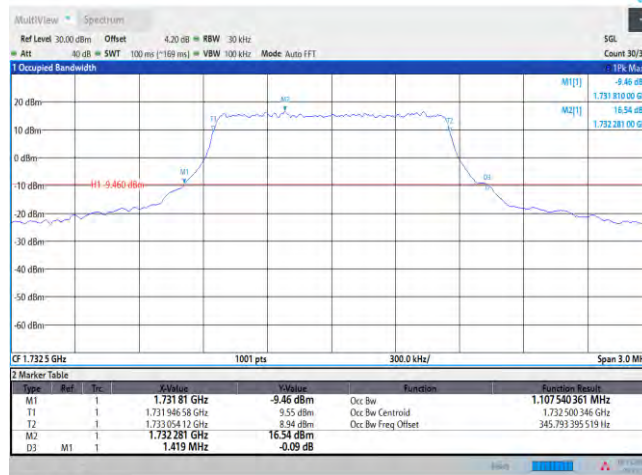
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Band4-1.4MHz-64QAM-19957-6RB#0



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



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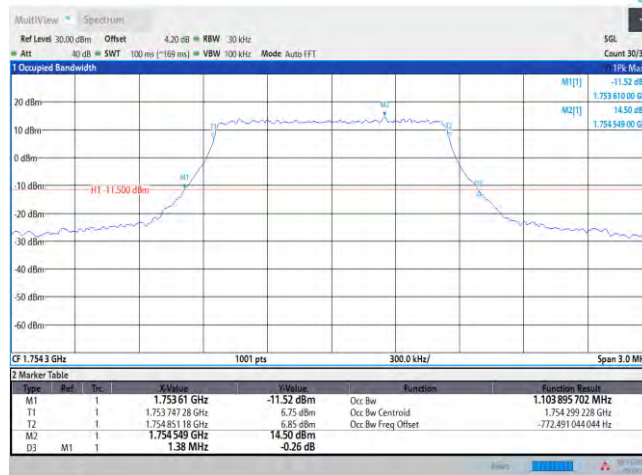
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Band4-1.4MHz-256QAM-20175-6RB#0



00:41:34 10.11.2022

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



00:42:45 10.11.2022



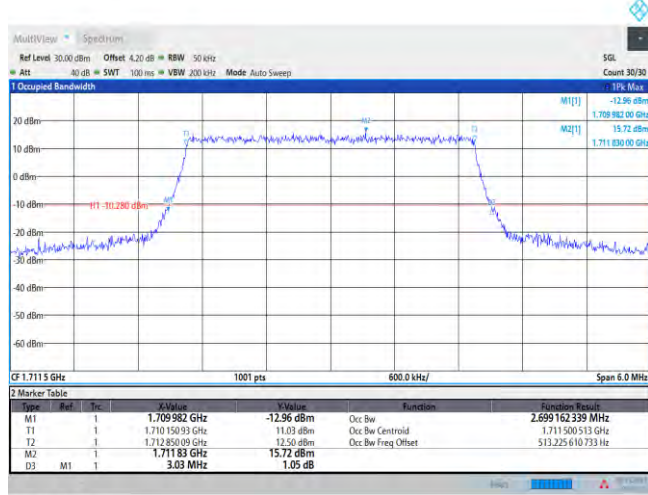
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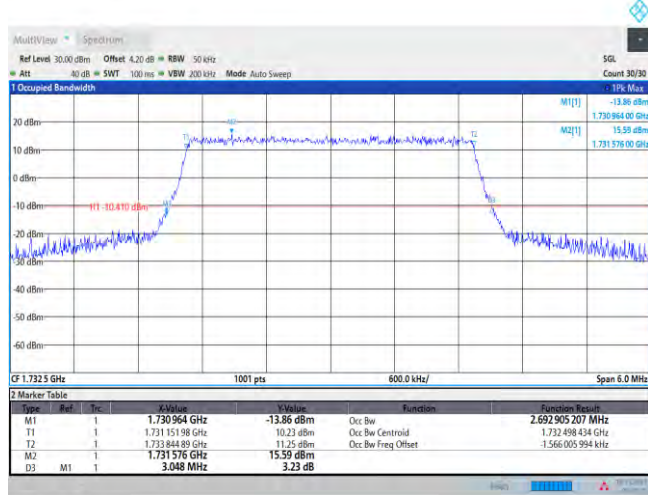
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Band4-3MHz-QPSK-19965-15RB#0



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



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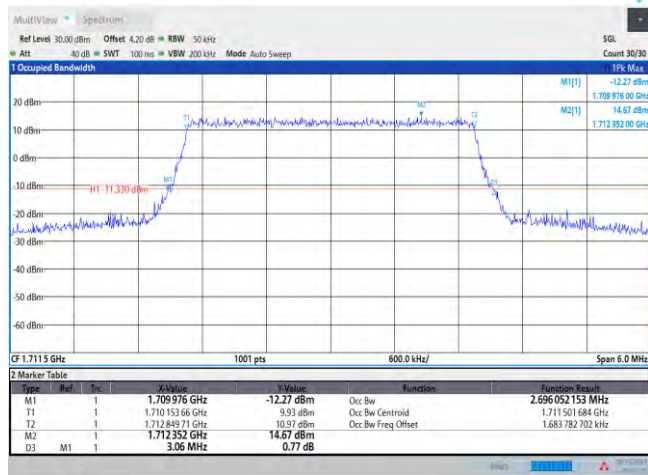
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00:45:28 10.11.2022

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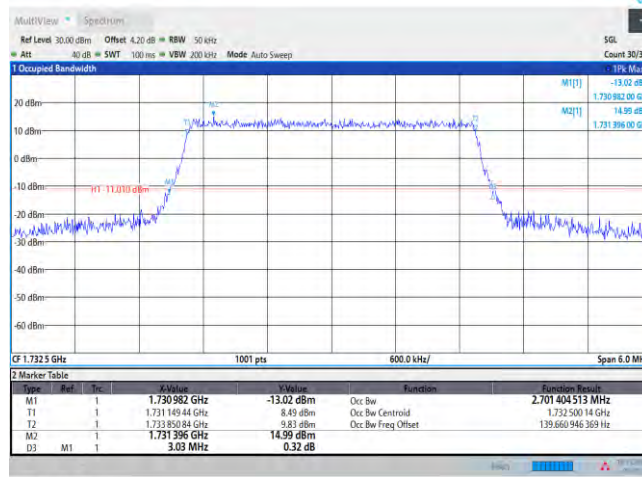


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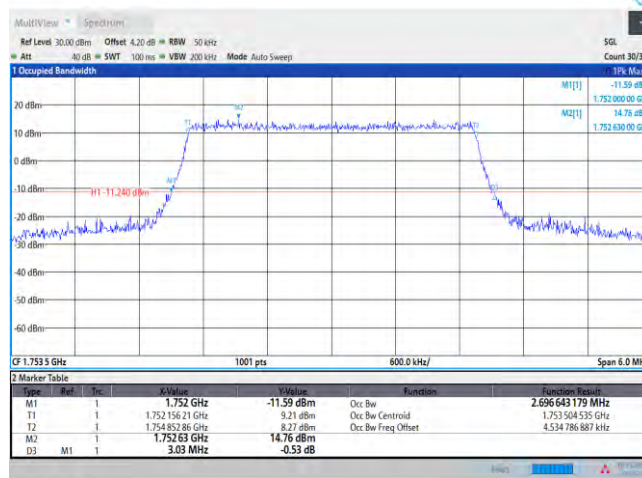
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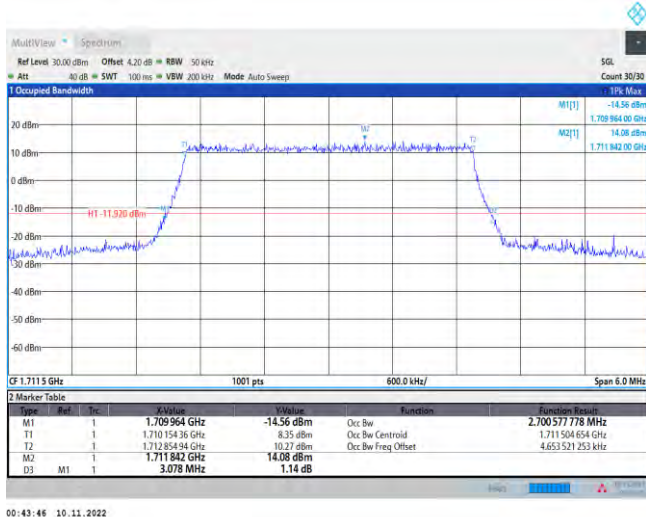
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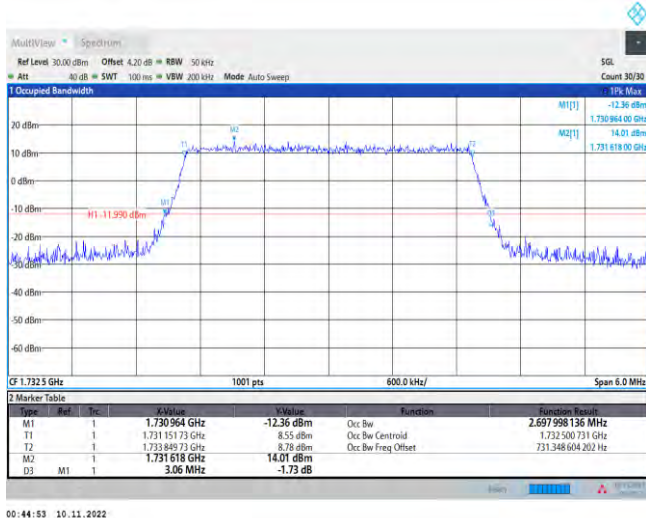
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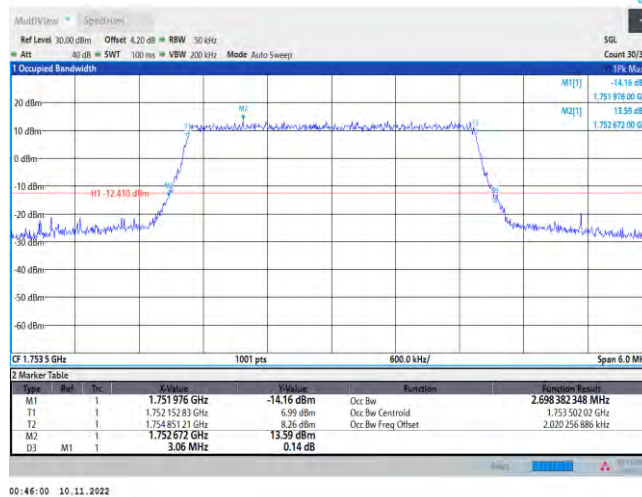


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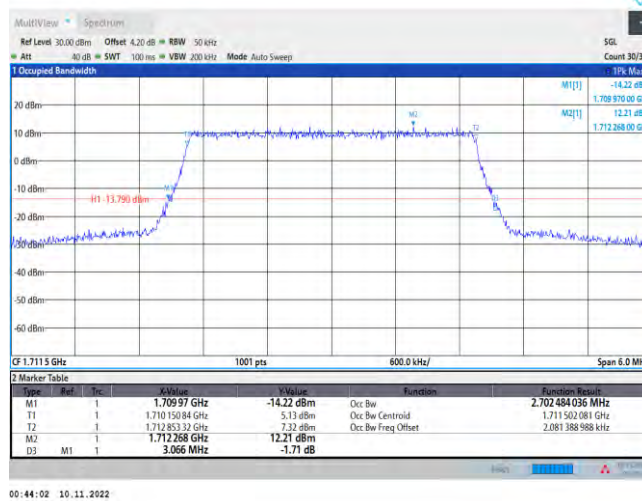
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Band4-3MHz-64QAM-20385-15RB#0



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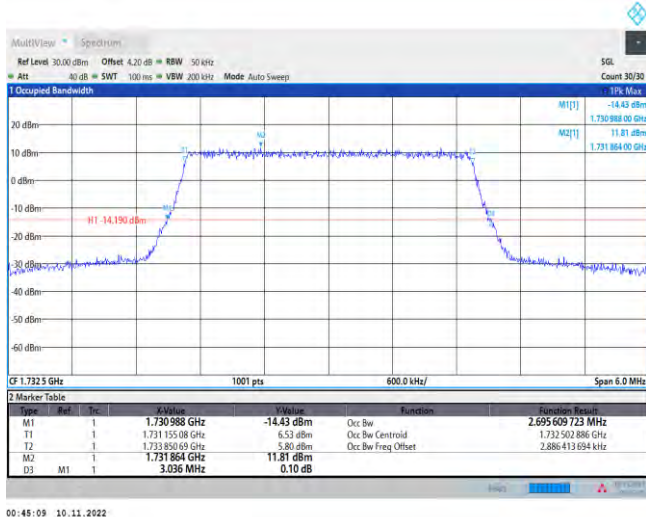
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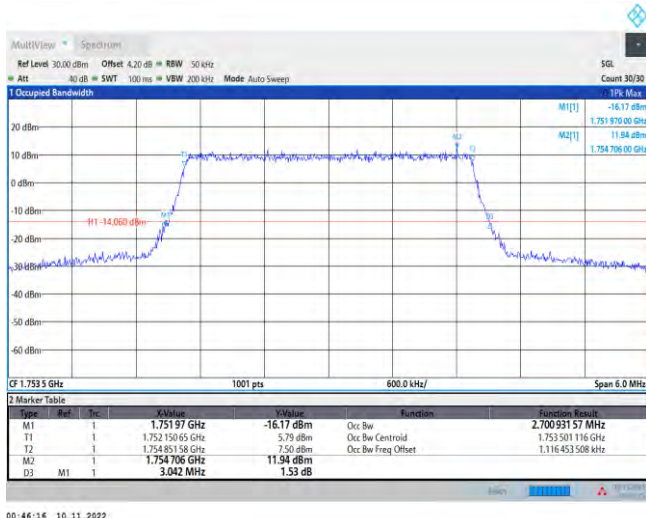
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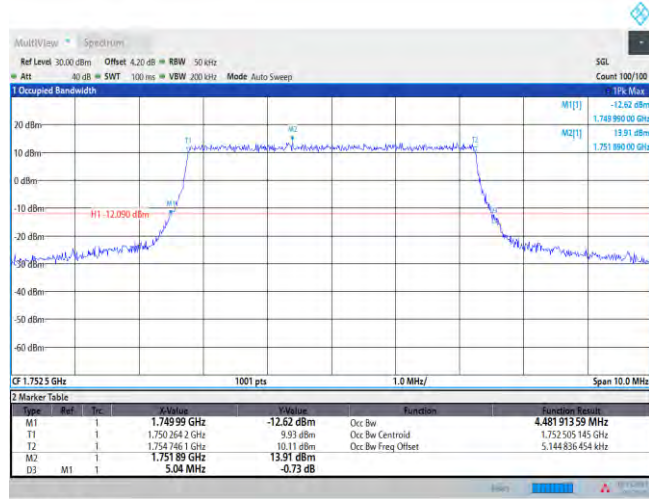


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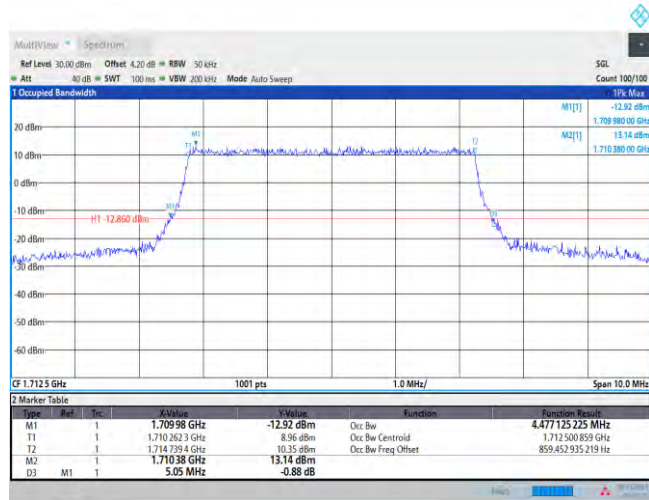
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Band4-5MHz-QPSK-20375-25RB#0



00:50:06 10.11.2022

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



00:47:17 10.11.2022



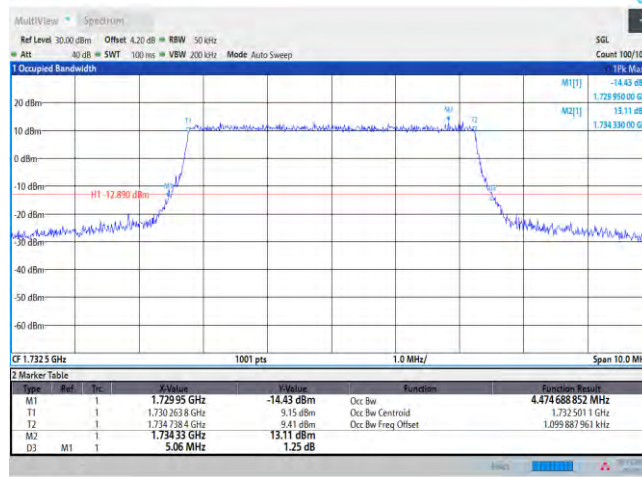
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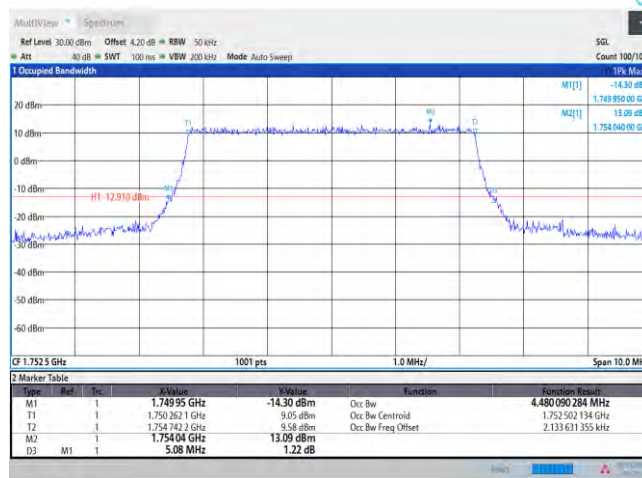
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Band4-5MHz-16QAM-20175-25RB#0



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



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

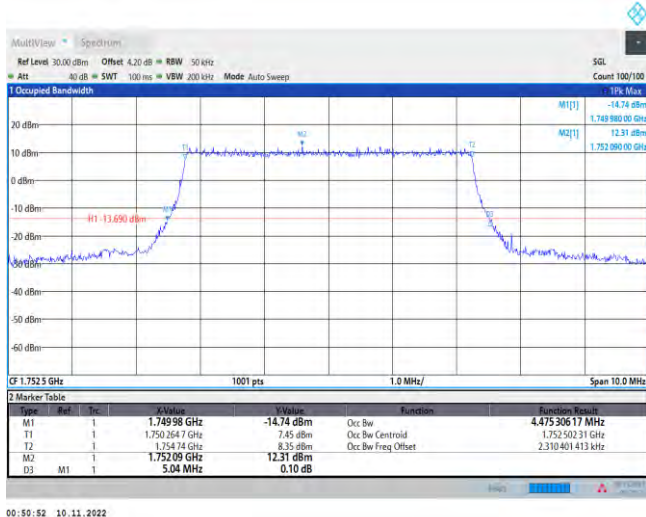


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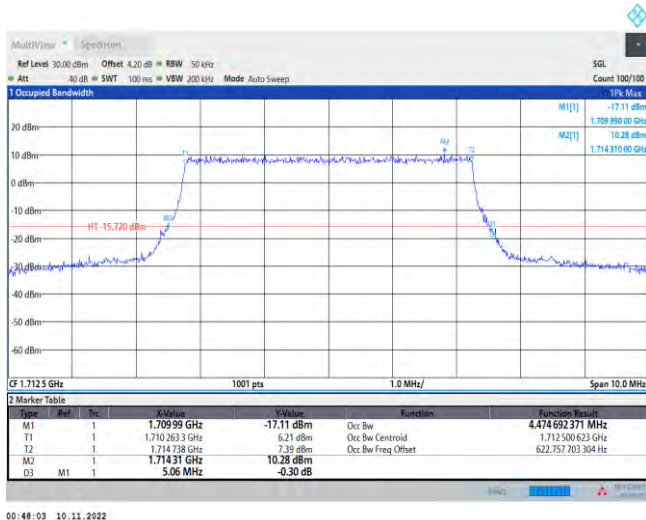
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Band4-5MHz-64QAM-20375-25RB#0



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



00:49:40 10.11.2022

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



00:51:15 10.11.2022



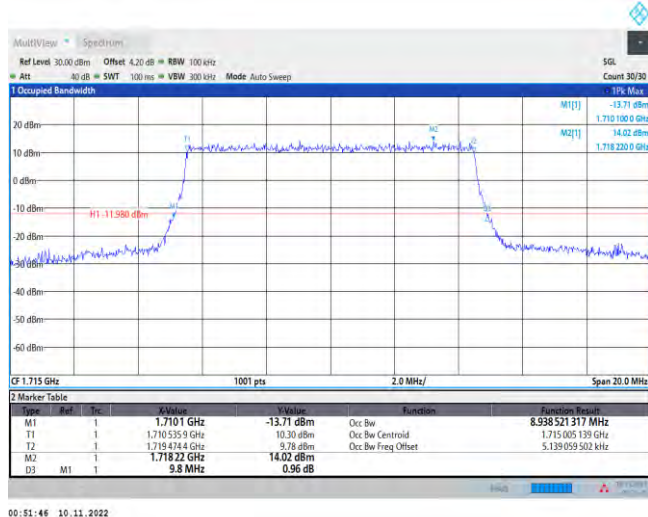
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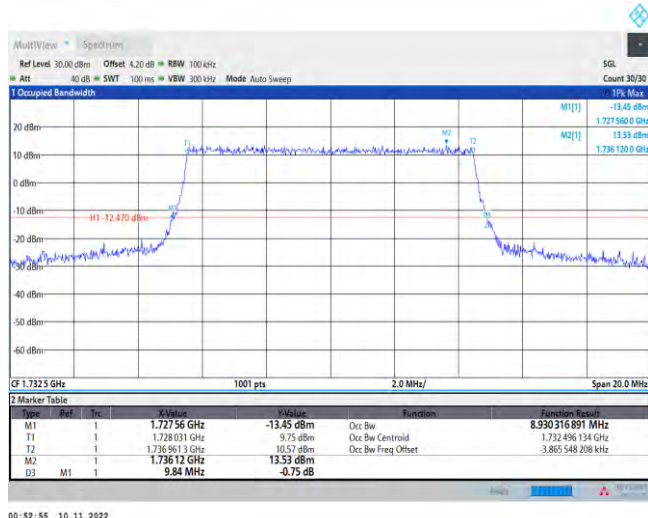
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Band4-10MHz-QPSK-20000-50RB#0



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

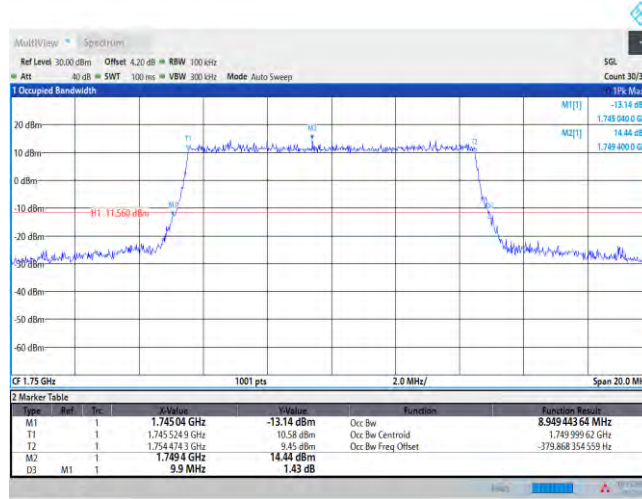


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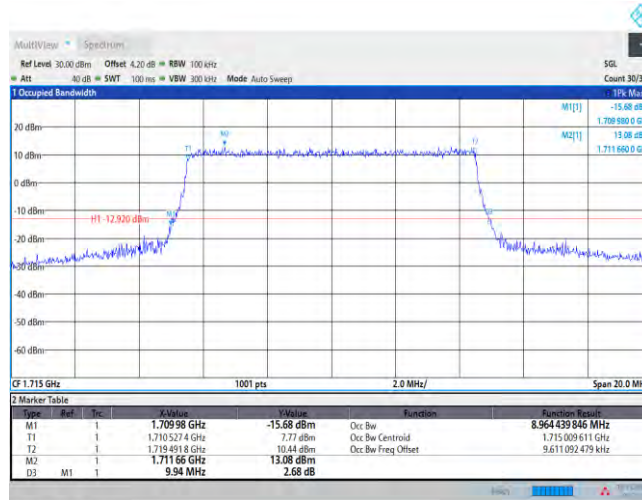
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Band4-10MHz-QPSK-20350-50RB#0



00:54:02 10.11.2022

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



00:52:03 10.11.2022



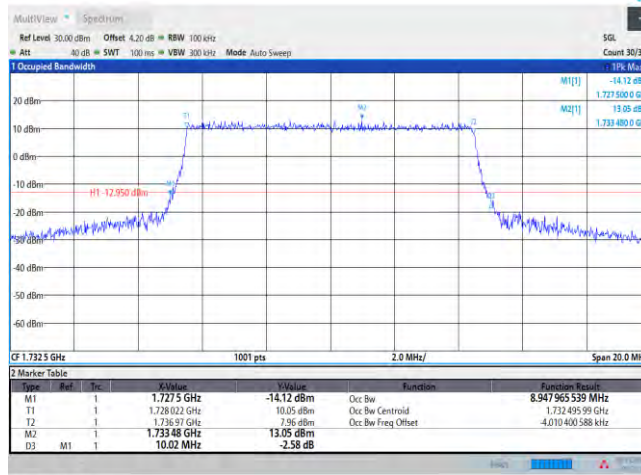
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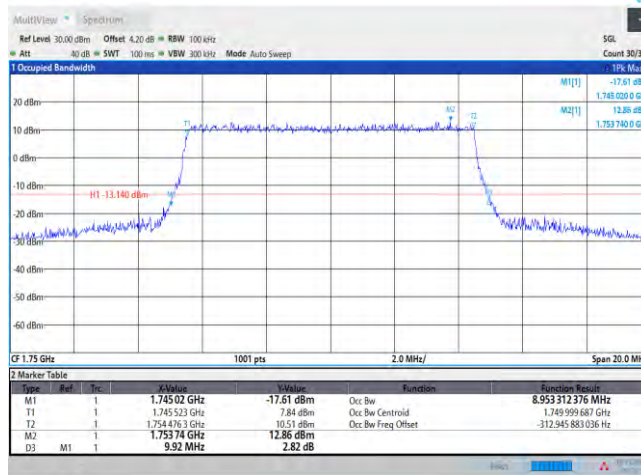
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Band4-10MHz-16QAM-20175-50RB#0



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Band4-10MHz-16QAM-20350-50RB#0



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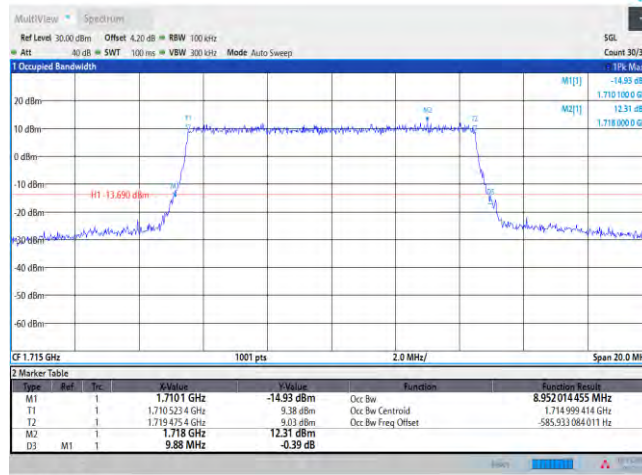


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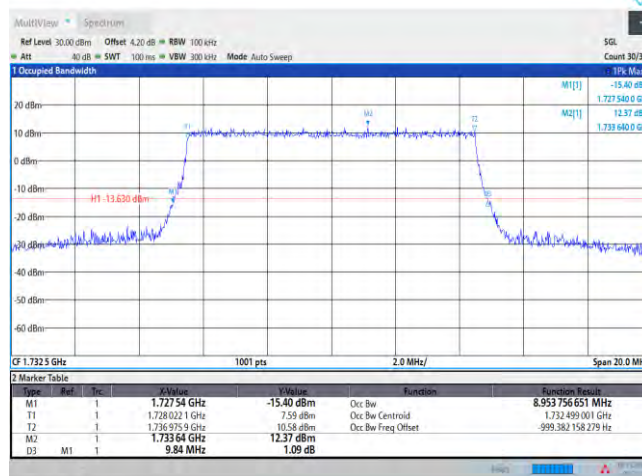
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Band4-10MHz-64QAM-20000-50RB#0



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



00:53:28 10.11.2022



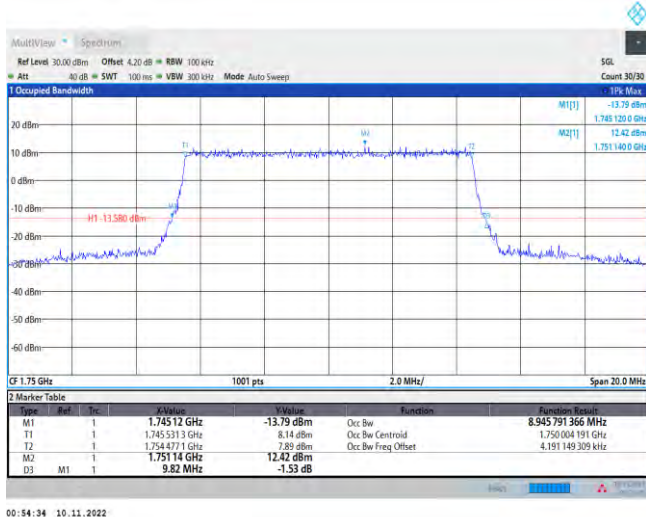
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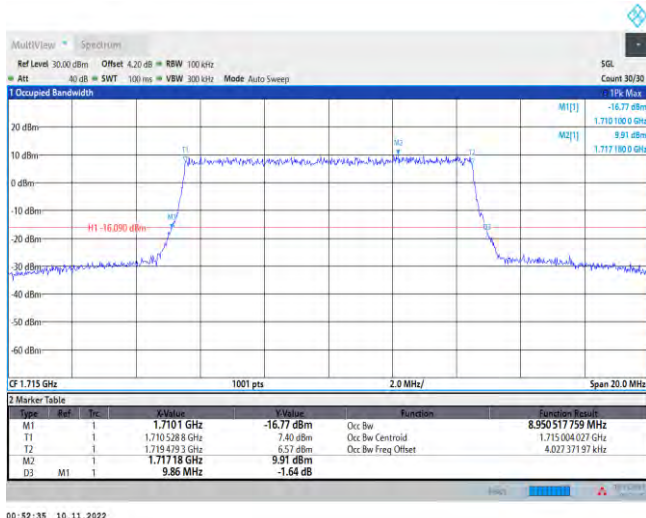
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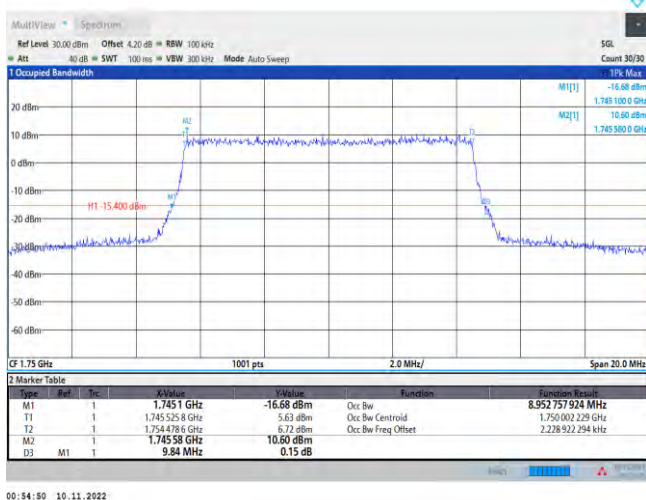
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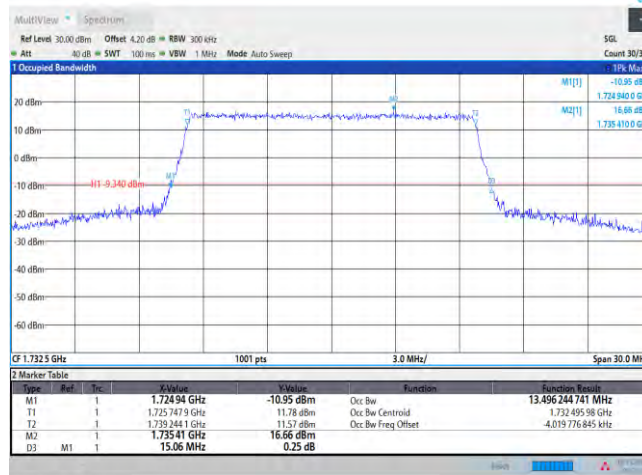
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Band4-15MHz-QPSK-20025-75RB#0



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00:56:31 10.11.2022



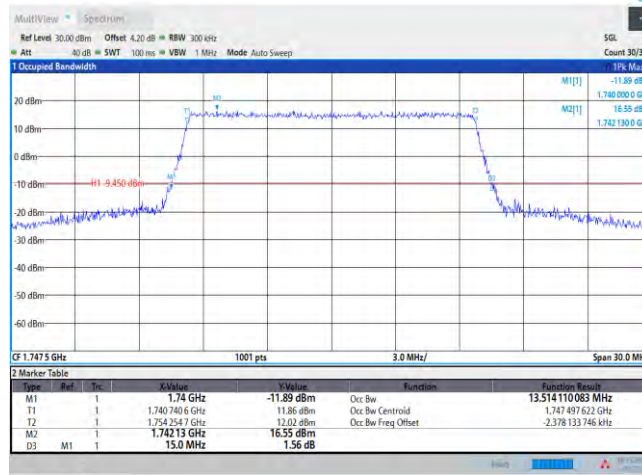
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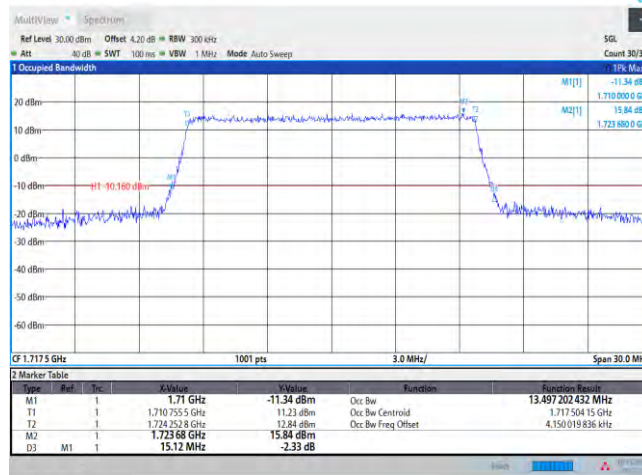
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Band4-15MHz-QPSK-20325-75RB#0



00:57:37 10.11.2022

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



00:55:38 10.11.2022



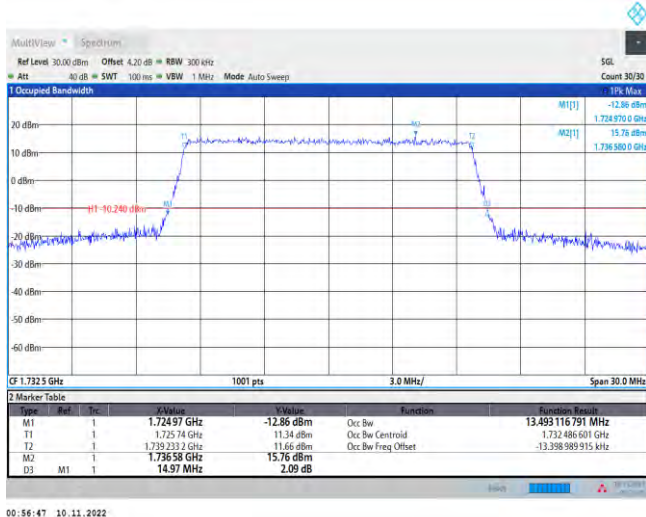
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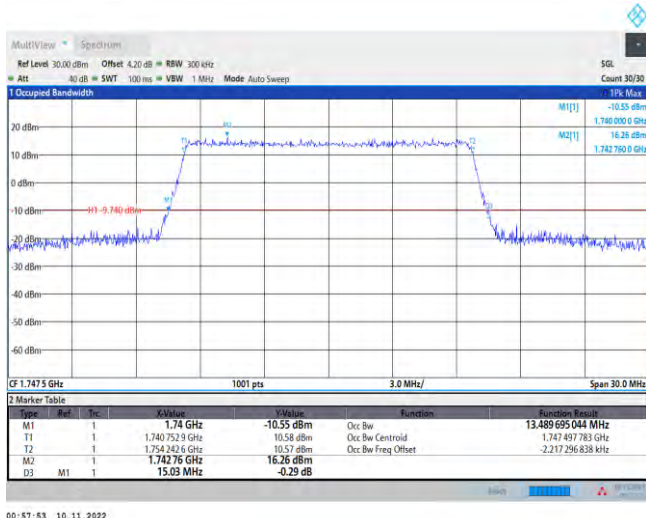
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Band4-15MHz-16QAM-20175-75RB#0



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



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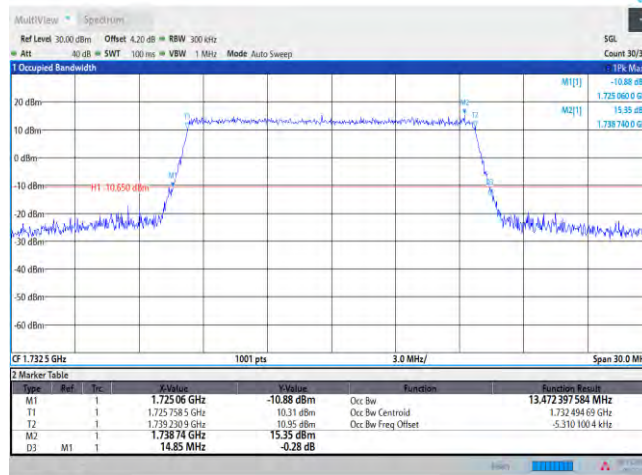
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Band4-15MHz-64QAM-20025-75RB#0



00:55:54 10.11.2022

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



00:57:03 10.11.2022



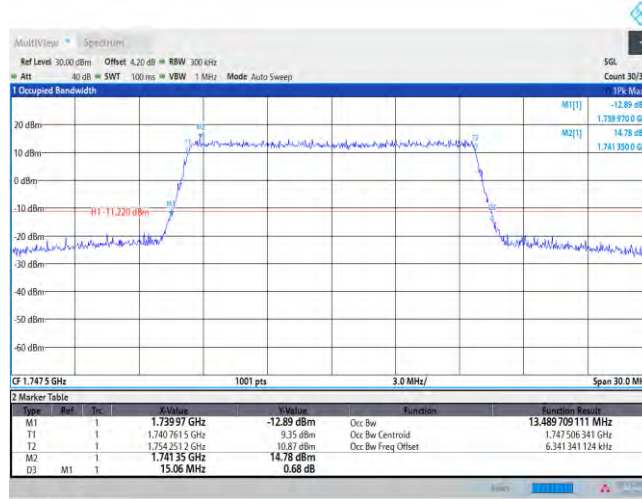
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Band4-15MHz-64QAM-20325-75RB#0



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

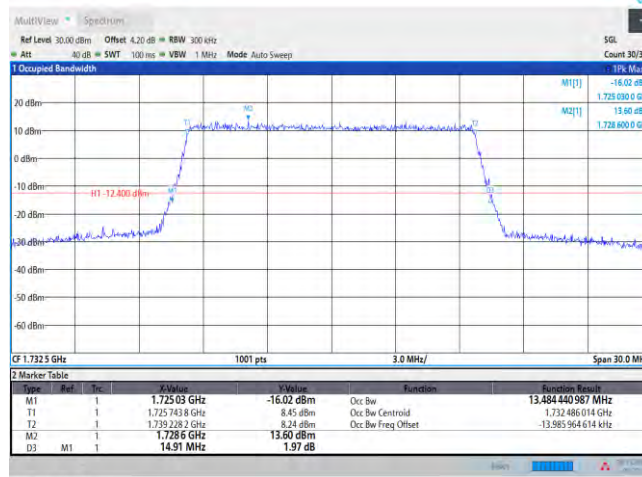


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Band4-15MHz-256QAM-20175-75RB#0



00:57:19 10.11.2022

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



00:58:26 10.11.2022

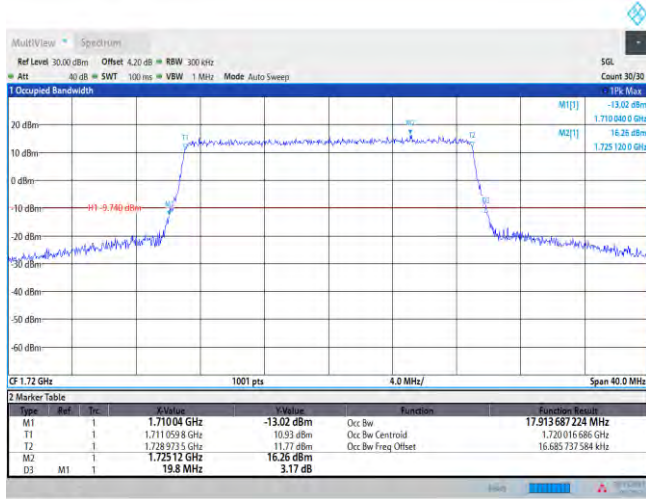


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Band4-20MHz-QPSK-20050-100RB#0



00:58:57 10.11.2022

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

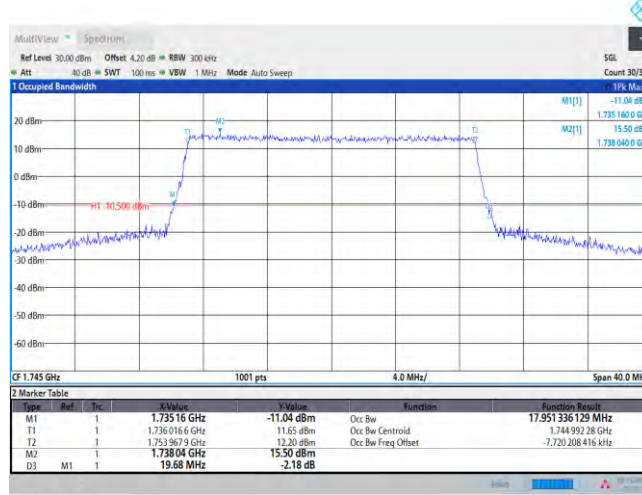


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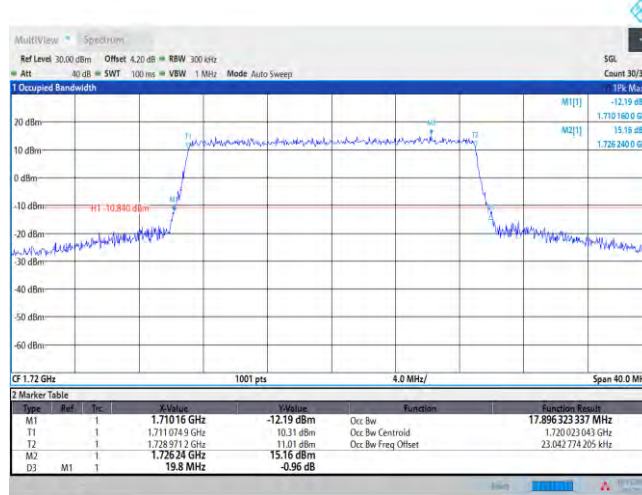
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Band4-20MHz-QPSK-20300-100RB#0



01:01:12 10.11.2022

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



00:59:13 10.11.2022



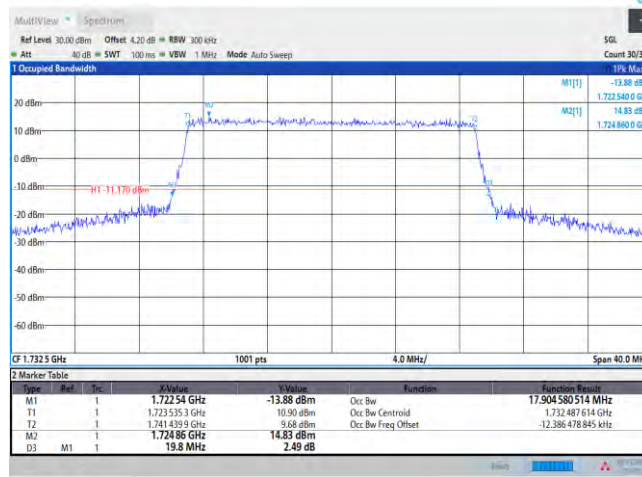
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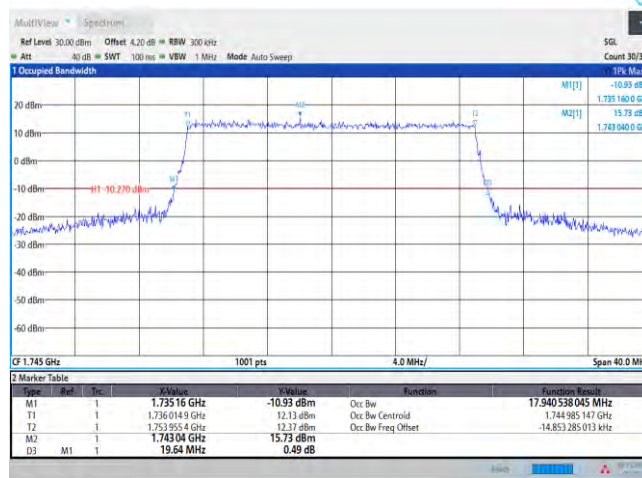
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Band4-20MHz-16QAM-20175-100RB#0



01:00:22 10.11.2022

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



01:01:28 10.11.2022



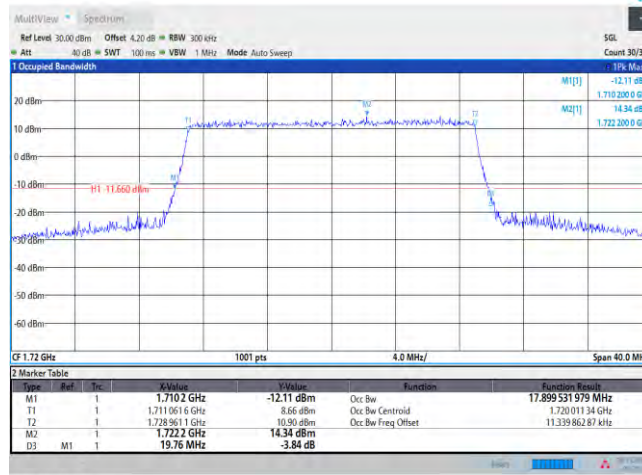
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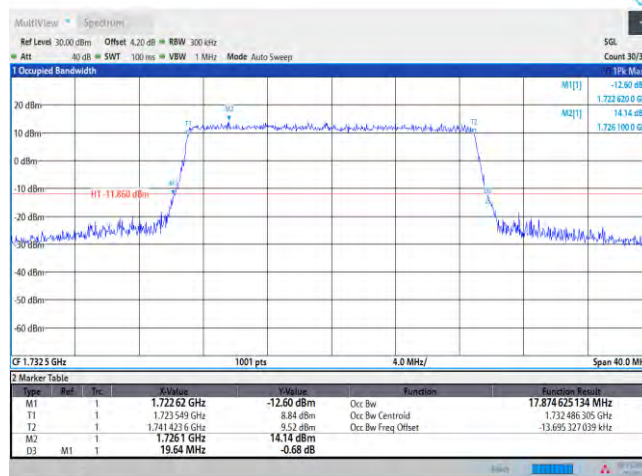
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Band4-20MHz-64QAM-20050-100RB#0



00:59:29 10.11.2022

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



01:00:38 10.11.2022



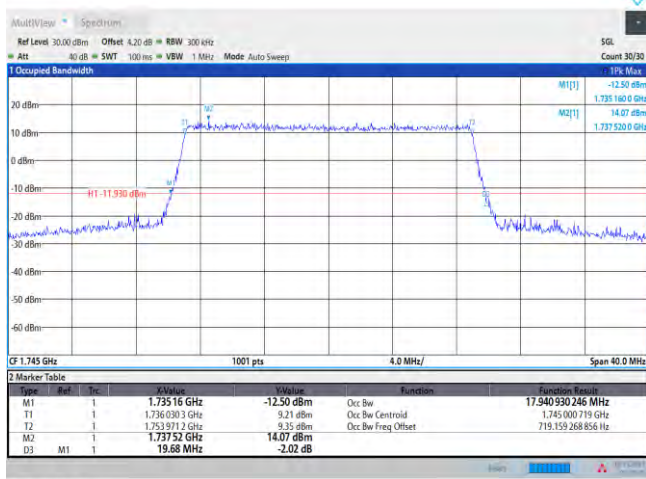
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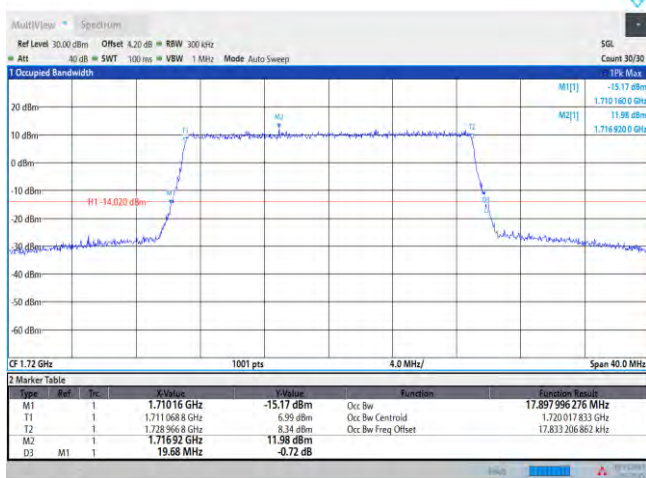
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Band4-20MHz-64QAM-20300-100RB#0



01:01:44 10.11.2022

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

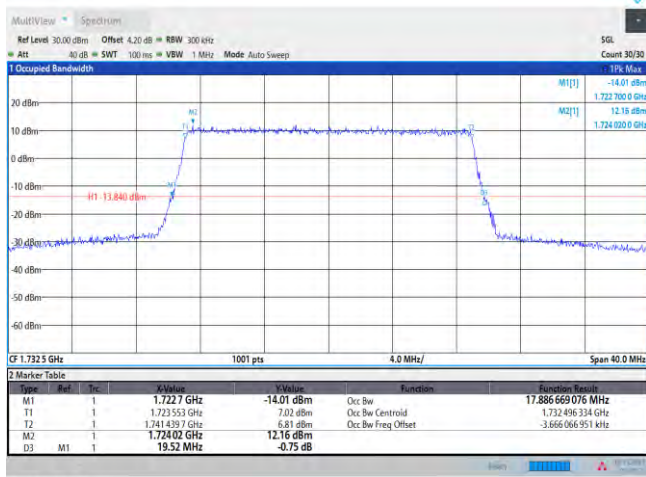


00:59:45 10.11.2022



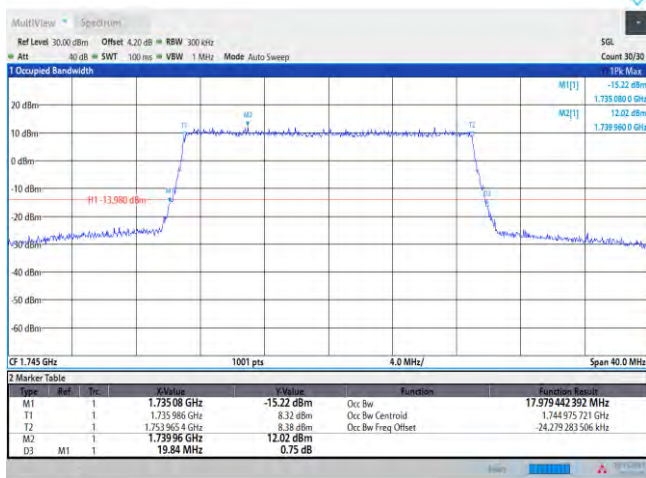
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Band4-20MHz-256QAM-20175-100RB#0



01:00:54 10.11.2022

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



01:02:01 10.11.2022

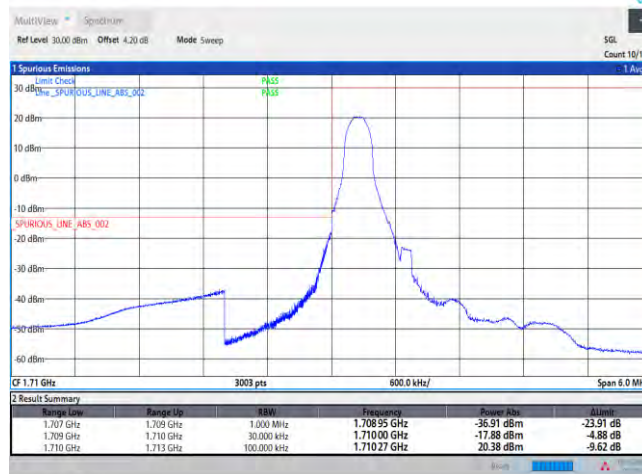


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Band Edge

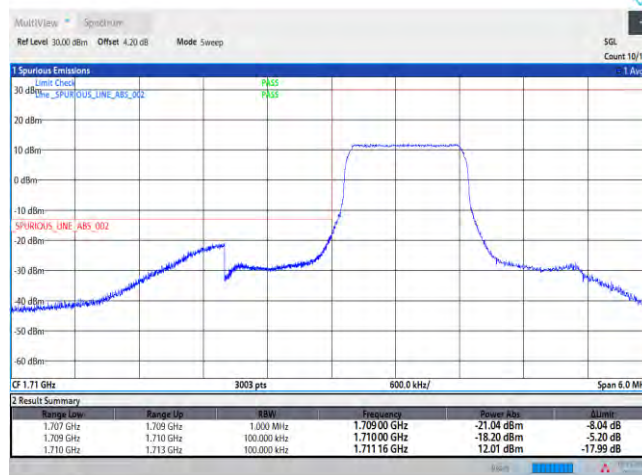
Test Graphs

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



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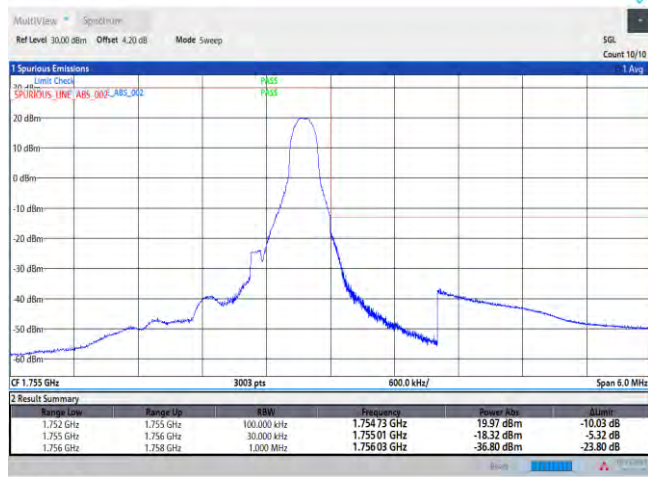


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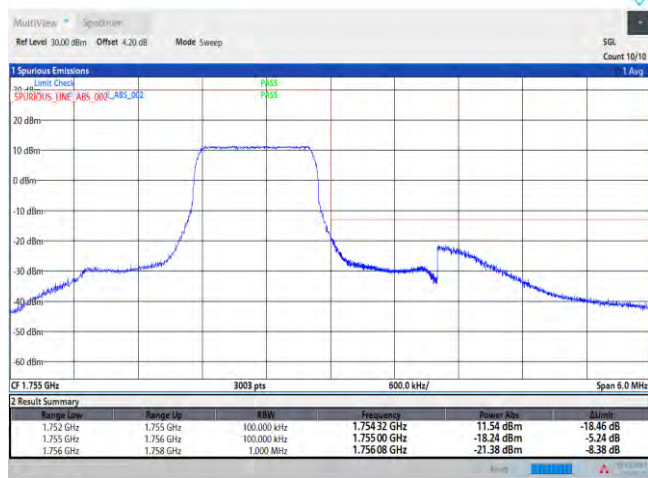
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Band4-1.4MHz-QPSK-20393-1RB#5



01:03:59 10.11.2022

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

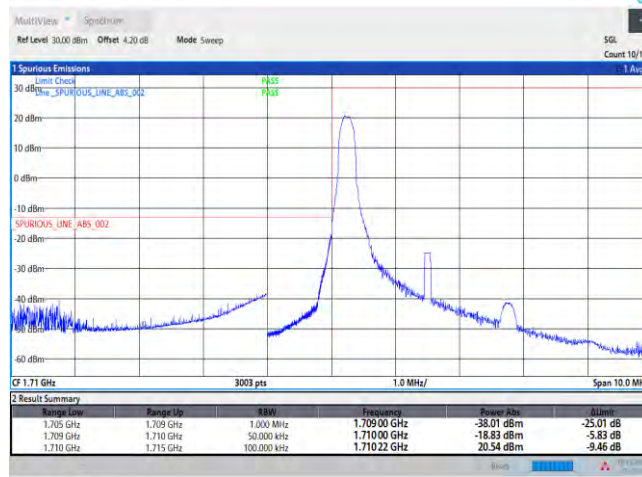


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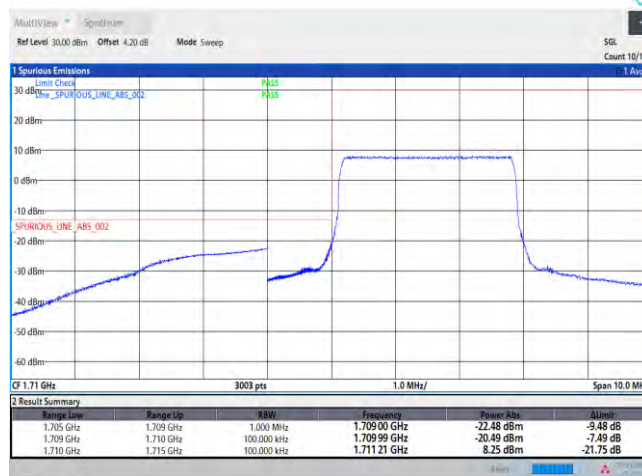
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Band4-3MHz-QPSK-19965-1RB#0



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



01:05:34 10.11.2022



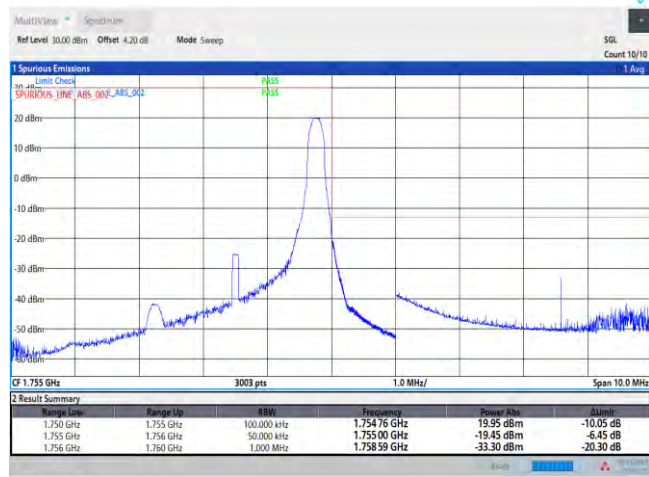
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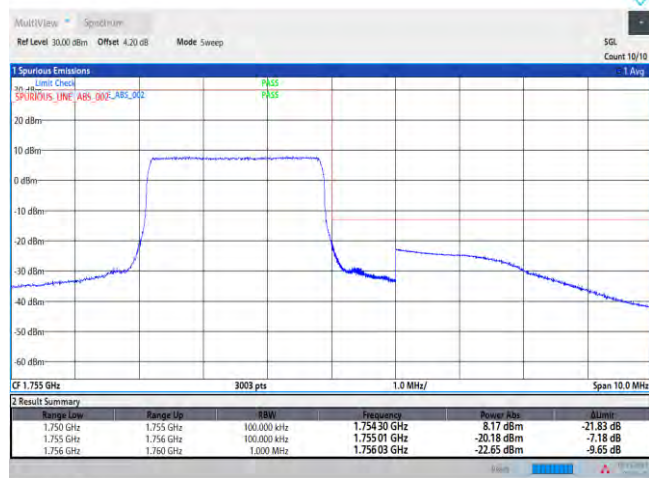
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Band4-3MHz-QPSK-20385-1RB#14



01:06:21 10.11.2022

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



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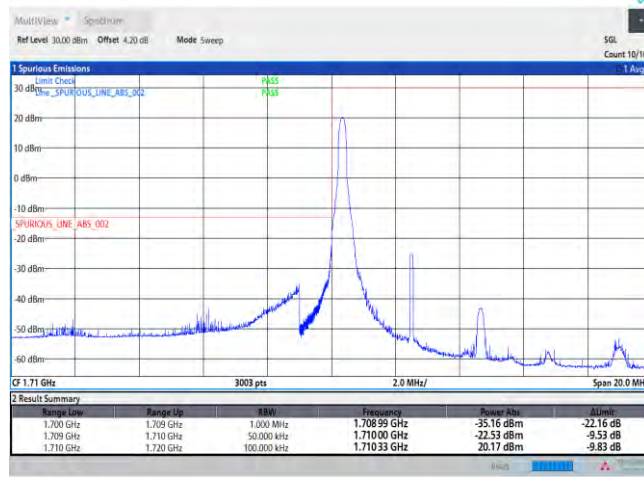


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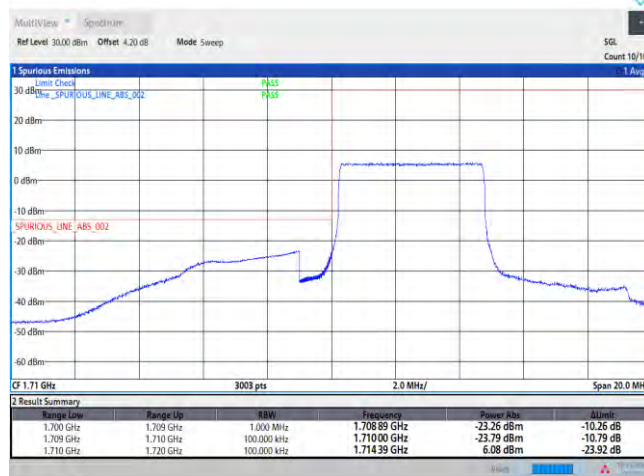
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Band4-5MHz-QPSK-19975-1RB#0



01:07:33 10.11.2022

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



01:07:56 10.11.2022



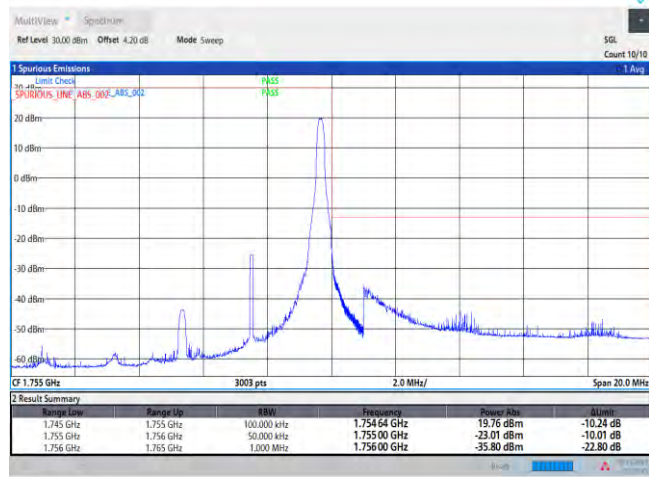
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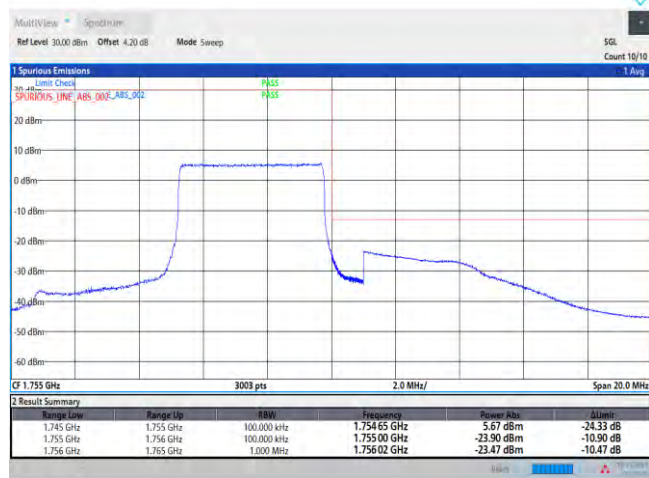
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Band4-5MHz-QPSK-20375-1RB#24



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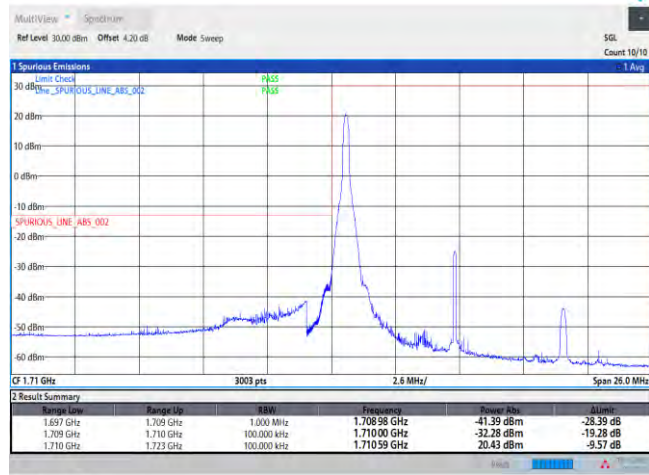


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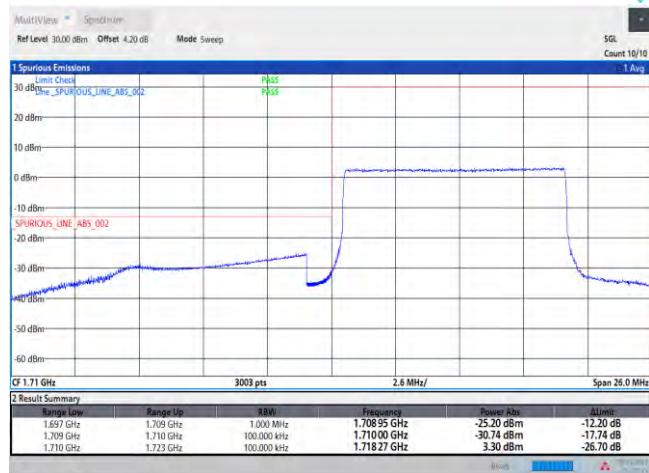
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Band4-10MHz-QPSK-20000-1RB#0



01:09:51 10.11.2022

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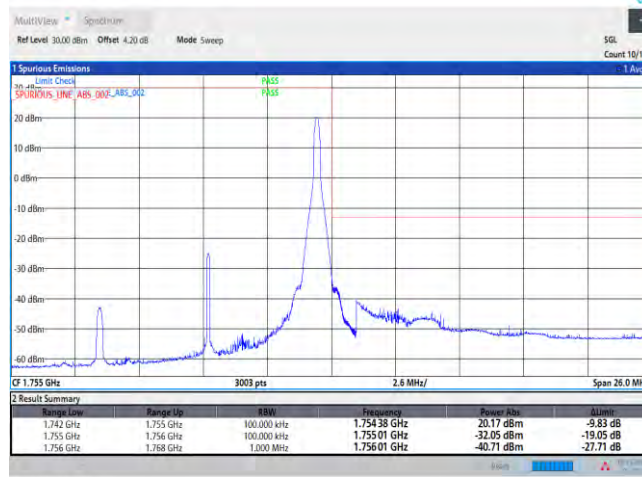


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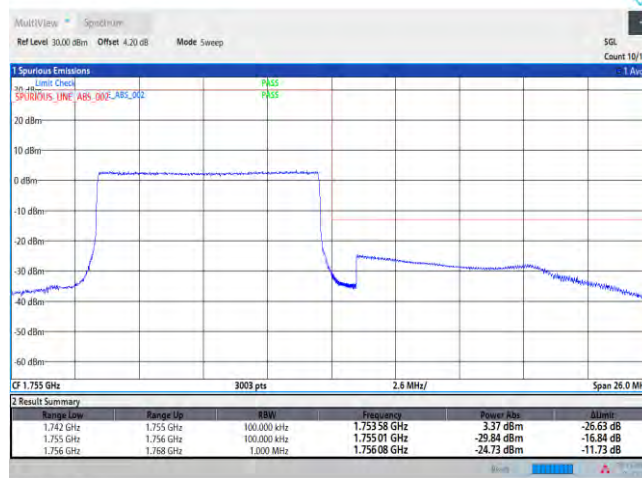
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Band4-10MHz-QPSK-20350-1RB#49



01:11:00 10.11.2022

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



01:11:23 10.11.2022

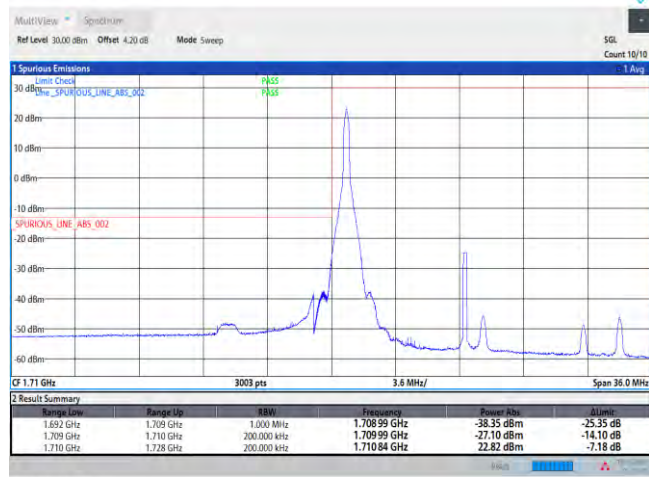


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Band4-15MHz-QPSK-20025-1RB#0



01:12:09 10.11.2022

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

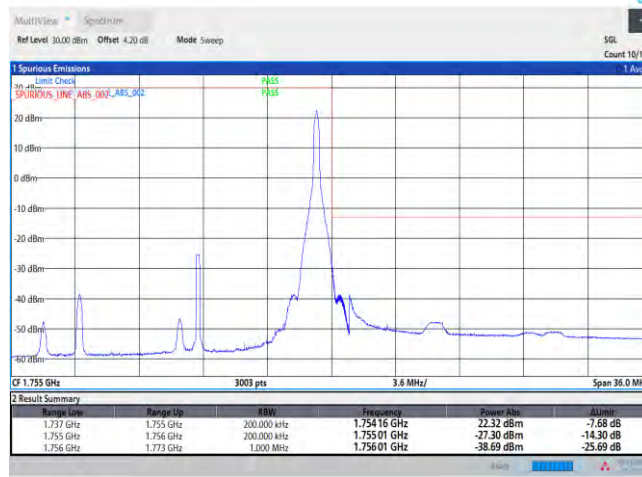


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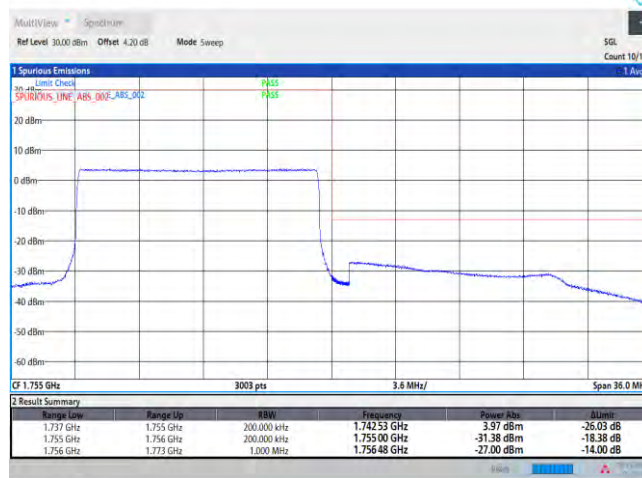
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Band4-15MHz-QPSK-20325-1RB#74



01:13:18 10.11.2022

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



01:13:41 10.11.2022



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



01:14:27 10.11.2022

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



01:14:50 10.11.2022



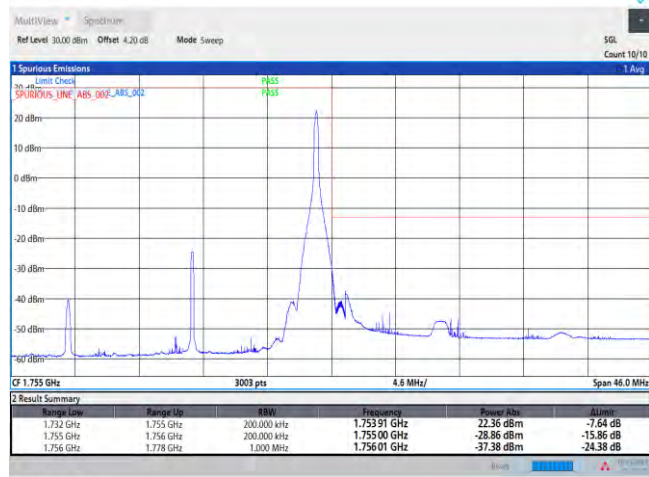
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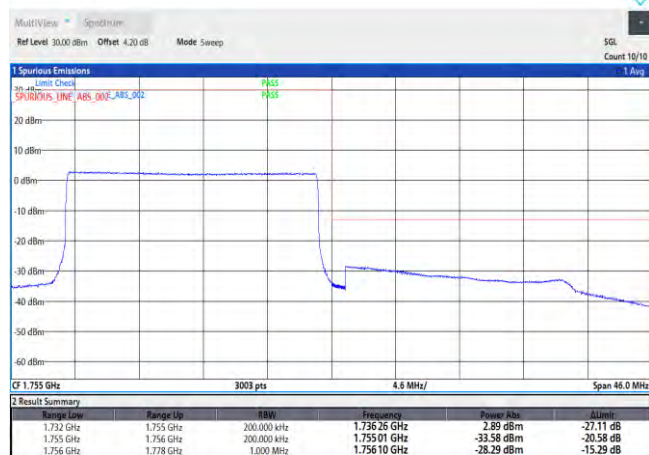
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Band4-20MHz-QPSK-20300-1RB#99



01:15:37 10.11.2022

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



01:16:00 10.11.2022



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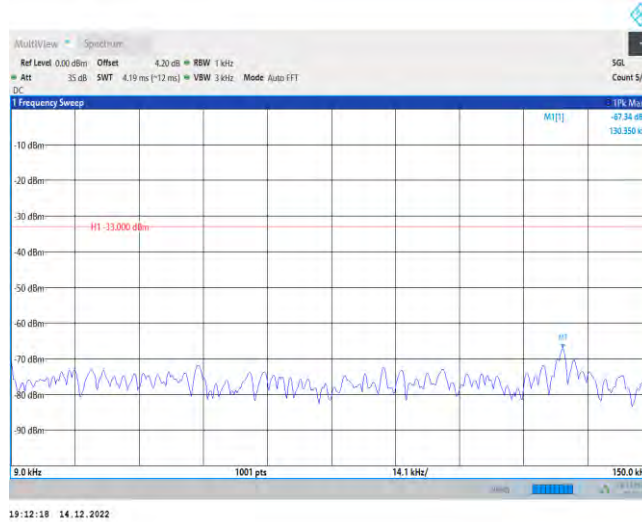
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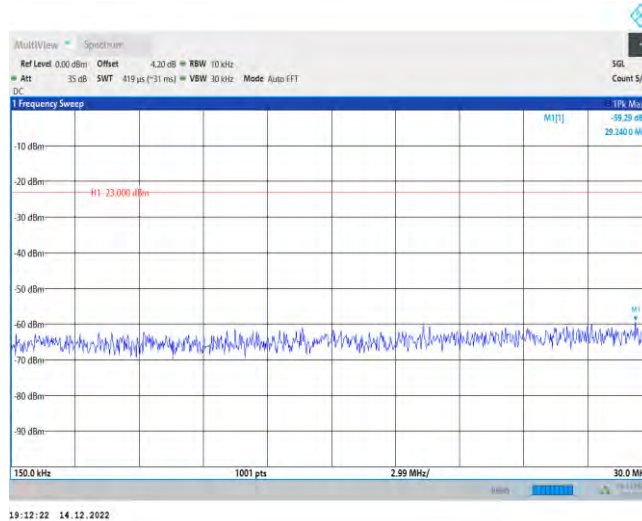
Conducted Spurious Emission

Test Graphs

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



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

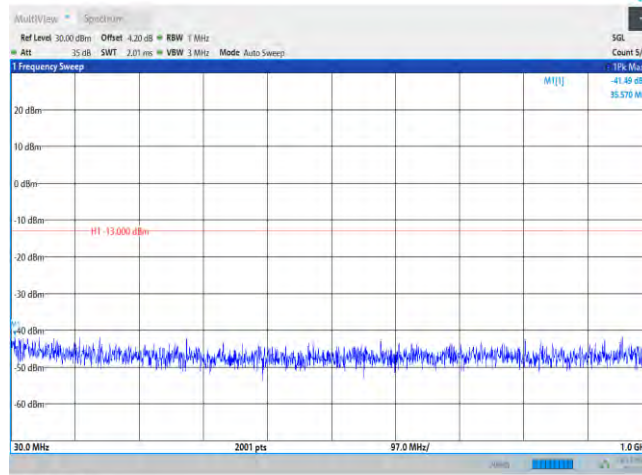


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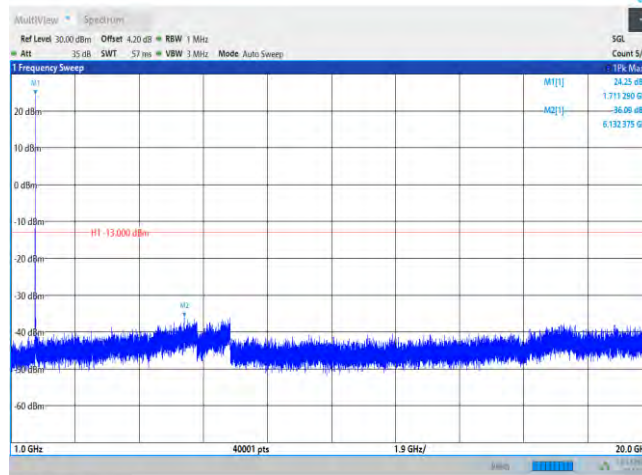
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



19:12:26 14.12.2022

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

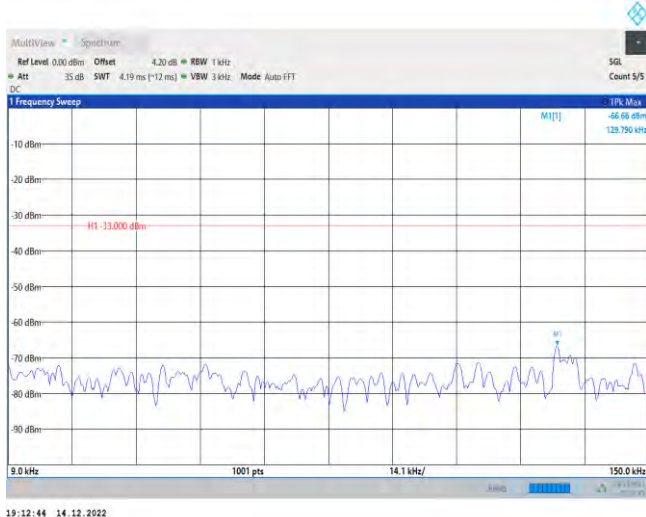


19:12:30 14.12.2022



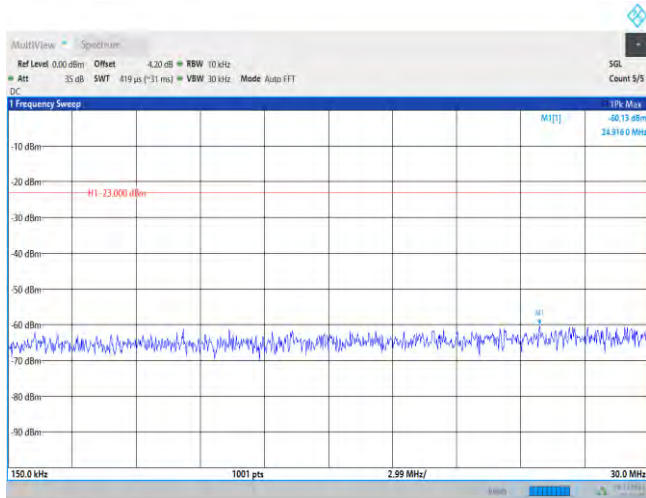
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



19:12:44 14.12.2022

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

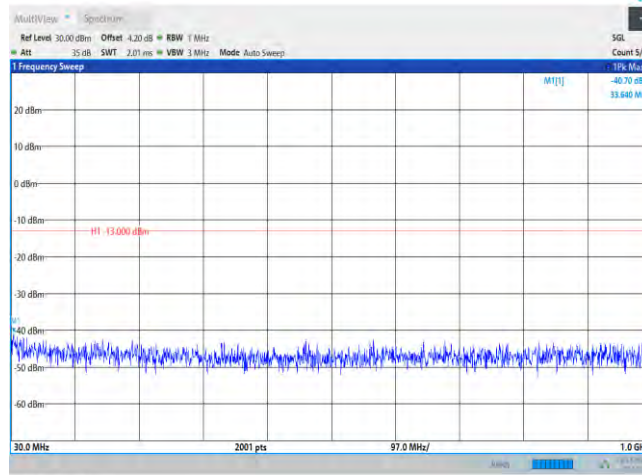


19:12:49 14.12.2022



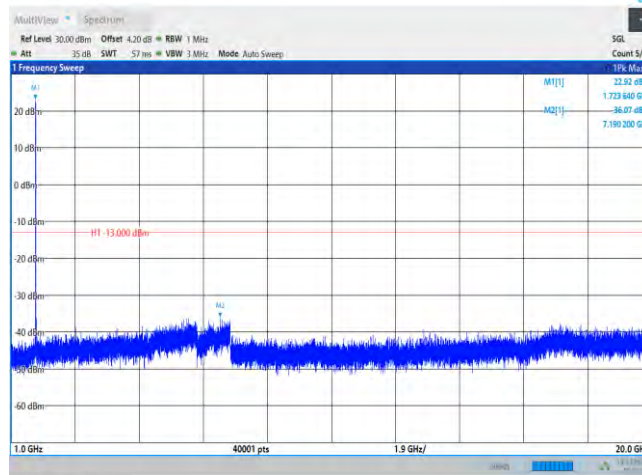
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



19:12:52 14.12.2022

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

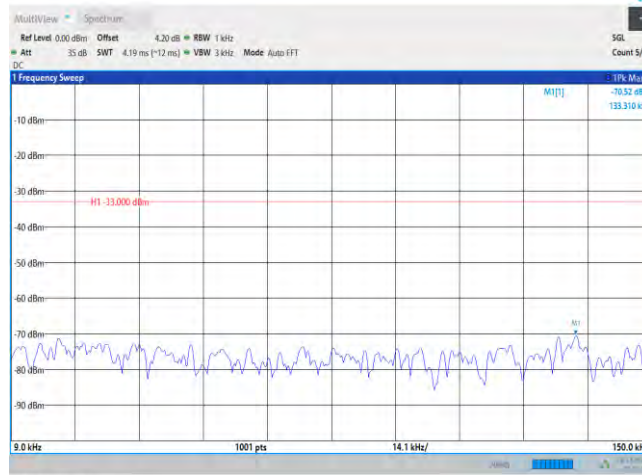


19:12:56 14.12.2022



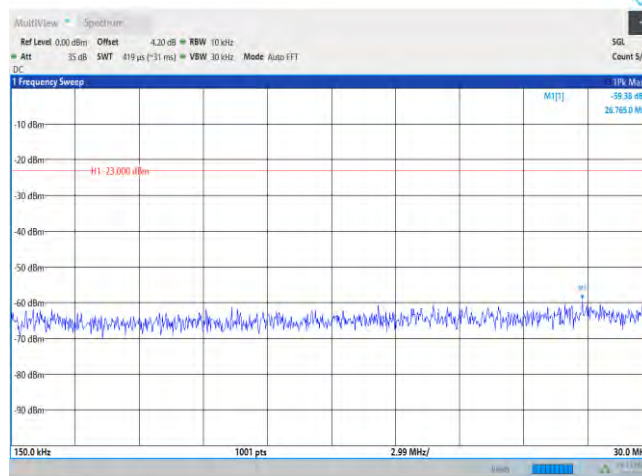
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



19:13:10 14.12.2022

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

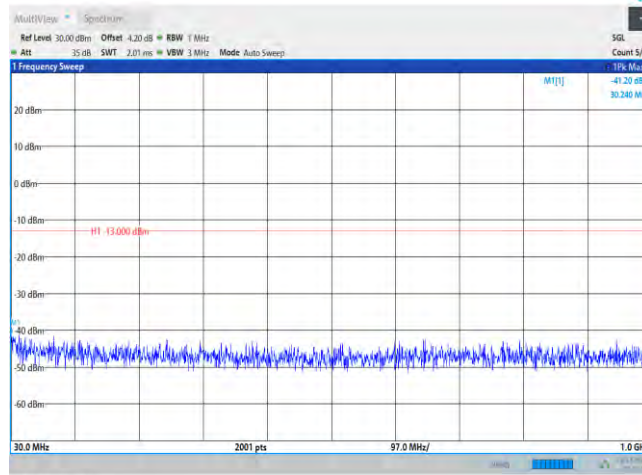


19:13:14 14.12.2022



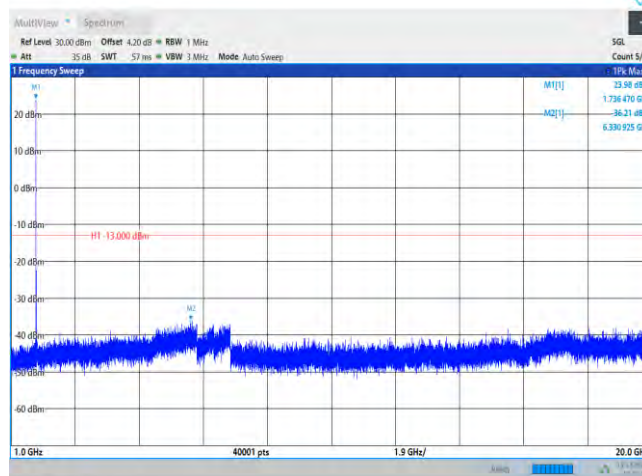
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



19:13:18 14.12.2022

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



19:13:22 14.12.2022



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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	5133	56.64	-44.24	32.60	-50.26	-13.00	37.26	285	95	Horizontal
2	8555.25	41.15	-39.68	38.11	-55.68	-13.00	42.68	263	197	Horizontal
3	3422.18	59.91	-45.88	29.43	-51.80	-13.00	38.80	265	62	Horizontal
4	6844.36	55.41	-42.50	35.89	-46.46	-13.00	33.46	241	230	Horizontal
5	10266.54	32.97	-36.74	38.79	-60.23	-13.00	47.23	142	356	Horizontal
6	11977.63	32.03	-35.32	38.62	-59.92	-13.00	46.92	285	14	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5133	68.34	-44.24	32.60	-38.56	-13.00	25.56	296	18	Vertical
2	8555.25	52.34	-39.68	38.11	-44.49	-13.00	31.49	265	162	Vertical
3	3422.18	68.26	-45.88	29.43	-43.45	-13.00	30.45	241	246	Vertical
4	6844.36	61.58	-42.50	35.89	-40.29	-13.00	27.29	256	212	Vertical
5	10266.54	36.43	-36.74	38.79	-56.77	-13.00	43.77	255	196	Vertical
6	11977.63	32.19	-35.32	38.62	-59.76	-13.00	46.76	321	148	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	58.36	-45.82	29.42	-53.30	-13.00	40.30	296	1	Horizontal
2	5170.5	61.79	-44.19	32.60	-45.06	-13.00	32.06	265	8	Horizontal
3	6894	56.77	-42.44	35.99	-44.94	-13.00	31.94	241	228	Horizontal
4	8617.95	38.38	-39.74	38.18	-58.44	-13.00	45.44	142	146	Horizontal
5	10341.54	34.39	-36.68	38.88	-58.67	-13.00	45.67	263	194	Horizontal
6	12065.13	32.00	-35.25	38.67	-59.85	-13.00	46.85	221	130	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	67.14	-45.82	29.42	-44.52	-13.00	31.52	142	262	Vertical
2	5170.5	70.54	-44.19	32.60	-36.31	-13.00	23.31	255	2	Vertical
3	6894.36	61.05	-42.44	35.99	-40.66	-13.00	27.66	241	215	Vertical
4	8617.95	46.93	-39.74	38.18	-49.89	-13.00	36.89	326	163	Vertical
5	10341.54	37.68	-36.68	38.88	-55.38	-13.00	42.38	126	113	Vertical
6	12065.13	32.97	-35.25	38.67	-58.88	-13.00	45.88	234	130	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	6944.25	51.17	-42.50	36.09	-50.50	-13.00	37.50	296	163	Horizontal
2	3472.18	56.06	-45.76	29.41	-55.55	-13.00	42.55	265	327	Horizontal
3	5208.27	54.99	-44.14	32.60	-51.81	-13.00	38.81	241	7	Horizontal
4	8680.45	37.43	-39.46	38.25	-59.04	-13.00	46.04	142	344	Horizontal
5	10416.54	31.11	-36.46	38.96	-61.65	-13.00	48.65	263	0	Horizontal
6	12152.63	30.83	-35.22	38.75	-60.90	-13.00	47.90	224	357	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	5208	65.96	-44.14	32.60	-40.84	-13.00	27.84	142	0	Vertical
2	6944.25	59.03	-42.50	36.09	-42.64	-13.00	29.64	285	215	Vertical
3	3472.18	64.82	-45.76	29.41	-46.79	-13.00	33.79	263	215	Vertical
4	8680.45	44.55	-39.46	38.25	-51.92	-13.00	38.92	265	149	Vertical
5	10416.54	33.15	-36.46	38.96	-59.61	-13.00	46.61	241	200	Vertical
6	12152.63	32.11	-35.22	38.75	-59.62	-13.00	46.62	142	132	Vertical



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Test Band = CA Band 4A-13A_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	1554.68	36.11	-25.48	25.56	-59.07	-13.00	46.07	142	39	Horizontal
2	2332.02	36.58	-24.55	27.57	-55.66	-13.00	42.66	265	104	Horizontal
3	3109.36	42.23	-45.91	29.56	-69.39	-13.00	56.39	295	327	Horizontal
4	3422.18	60.46	-45.88	29.43	-51.25	-13.00	38.25	284	344	Horizontal
5	5133.27	54.26	-44.24	32.60	-52.64	-13.00	39.64	142	31	Horizontal
6	6844.36	52.99	-42.50	35.89	-48.88	-13.00	35.88	263	245	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	1554.68	35.85	-25.48	25.56	-59.33	-13.00	46.33	142	313	Vertical
2	2332.02	36.47	-24.55	27.57	-55.77	-13.00	42.77	285	334	Vertical
3	3109.36	42.63	-45.91	29.56	-68.99	-13.00	55.99	263	294	Vertical
4	3422.18	68.80	-45.88	29.43	-42.91	-13.00	29.91	265	242	Vertical
5	5133.27	65.84	-44.24	32.60	-41.06	-13.00	28.06	241	357	Vertical
6	6844.36	63.96	-42.50	35.89	-37.91	-13.00	24.91	142	0	Vertical



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Test Band = CA Band 4A-13A_ 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	1559.68	35.89	-25.47	25.56	-59.28	-13.00	46.28	296	72	Horizontal
2	2339.52	36.94	-24.53	27.58	-55.27	-13.00	42.27	265	83	Horizontal
3	3119.36	42.37	-45.88	29.55	-69.21	-13.00	56.21	241	9	Horizontal
4	3447.18	57.43	-45.82	29.42	-54.22	-13.00	41.22	142	344	Horizontal
5	5170.77	55.58	-44.19	32.60	-51.27	-13.00	38.27	201	83	Horizontal
6	6894.36	50.63	-42.44	35.99	-51.08	-13.00	38.08	142	245	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	1559.68	35.78	-25.47	25.56	-59.39	-13.00	46.39	296	325	Vertical
2	2339.52	36.90	-24.53	27.58	-55.31	-13.00	42.31	254	209	Vertical
3	3119.36	43.39	-45.88	29.55	-68.19	-13.00	55.19	142	282	Vertical
4	3447.18	61.90	-45.82	29.42	-49.75	-13.00	36.75	263	296	Vertical
5	5170.77	68.16	-44.19	32.60	-38.69	-13.00	25.69	211	0	Vertical
6	6894.36	61.56	-42.44	35.99	-40.15	-13.00	27.15	145	0	Vertical



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Test Band = CA Band 4A-13A_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	5208	55.92	-44.14	32.60	-50.88	-13.00	37.88	163	179	Horizontal
2	6944.25	49.70	-42.50	36.09	-51.97	-13.00	38.97	254	310	Horizontal
3	1564.68	35.70	-25.47	25.57	-59.46	-13.00	46.46	142	359	Horizontal
4	2347.02	36.77	-24.52	27.60	-55.41	-13.00	42.41	296	94	Horizontal
5	3129.36	43.00	-45.84	29.55	-68.55	-13.00	55.55	263	327	Horizontal
6	3472.18	59.57	-45.76	29.41	-52.04	-13.00	39.04	244	344	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	5208	67.09	-44.14	32.60	-39.71	-13.00	26.71	185	357	Vertical
2	6944.25	62.14	-42.50	36.09	-39.53	-13.00	26.53	263	357	Vertical
3	1564.68	35.63	-25.47	25.57	-59.53	-13.00	46.53	265	283	Vertical
4	2347.02	36.48	-24.52	27.60	-55.70	-13.00	42.70	241	3	Vertical
5	3129.36	42.50	-45.84	29.55	-69.05	-13.00	56.05	196	247	Vertical
6	3472.18	64.82	-45.76	29.41	-46.79	-13.00	33.79	247	230	Vertical



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Test Band = CA Band 4A-12A_ 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	5133	57.73	-44.24	32.60	-49.17	-13.00	36.17	196	276	Horizontal
2	1399.18	36.20	-25.81	25.40	-59.47	-13.00	46.47	263	190	Horizontal
3	2098.77	37.05	-24.91	27.10	-56.02	-13.00	43.02	254	327	Horizontal
4	2798.36	37.63	-23.69	28.91	-52.41	-13.00	39.41	142	351	Horizontal
5	3422.18	60.30	-45.88	29.43	-51.41	-13.00	38.41	263	345	Horizontal
6	6844.36	51.67	-42.50	35.89	-50.20	-13.00	37.20	201	192	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	1399.18	36.13	-25.81	25.40	-59.54	-13.00	46.54	265	10	Vertical
2	2098.77	36.38	-24.91	27.10	-56.69	-13.00	43.69	241	136	Vertical
3	2798.36	37.60	-23.69	28.91	-52.44	-13.00	39.44	142	106	Vertical
4	3422.18	68.05	-45.88	29.43	-43.66	-13.00	30.66	285	242	Vertical
5	5133.27	64.46	-44.24	32.60	-42.44	-13.00	29.44	263	0	Vertical
6	6844.36	62.09	-42.50	35.89	-39.78	-13.00	26.78	224	178	Vertical



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Test Band = CA Band 4A-12A_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	61.39	-45.82	29.42	-50.27	-13.00	37.27	196	345	Horizontal
2	1406.18	36.06	-25.79	25.41	-59.58	-13.00	46.58	265	75	Horizontal
3	2109.27	36.57	-24.91	27.12	-56.48	-13.00	43.48	241	360	Horizontal
4	2812.36	37.75	-23.65	28.96	-52.20	-13.00	39.20	142	64	Horizontal
5	5170.77	57.36	-44.19	32.60	-49.49	-13.00	36.49	263	279	Horizontal
6	6894.36	49.35	-42.44	35.99	-52.36	-13.00	39.36	211	197	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	67.19	-45.82	29.42	-44.47	-13.00	31.47	196	213	Vertical
2	5170.5	71.63	-44.19	32.60	-35.22	-13.00	22.22	265	0	Vertical
3	1406.18	35.83	-25.79	25.41	-59.81	-13.00	46.81	241	243	Vertical
4	2109.27	36.55	-24.91	27.12	-56.50	-13.00	43.50	142	32	Vertical
5	2812.36	37.87	-23.65	28.96	-52.08	-13.00	39.08	263	234	Vertical
6	6894.36	60.37	-42.44	35.99	-41.34	-13.00	28.34	225	9	Vertical



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Test Band = CA Band 4A-12A_ 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	5208	57.18	-44.14	32.60	-49.62	-13.00	36.62	142	230	Horizontal
2	6944.25	50.88	-42.50	36.09	-50.79	-13.00	37.79	296	246	Horizontal
3	1413.18	36.02	-25.77	25.41	-59.60	-13.00	46.60	263	137	Horizontal
4	2119.77	37.16	-24.90	27.14	-55.86	-13.00	42.86	284	63	Horizontal
5	2826.36	37.70	-23.61	29.01	-52.16	-13.00	39.16	142	11	Horizontal
6	3472.18	61.23	-45.76	29.41	-50.38	-13.00	37.38	263	345	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	5208	68.66	-44.14	32.60	-38.14	-13.00	25.14	296	1	Vertical
2	6944.25	61.90	-42.50	36.09	-39.77	-13.00	26.77	265	357	Vertical
3	1413.18	36.08	-25.77	25.41	-59.54	-13.00	46.54	241	294	Vertical
4	2119.77	36.54	-24.90	27.14	-56.48	-13.00	43.48	142	358	Vertical
5	2826.36	37.38	-23.61	29.01	-52.48	-13.00	39.48	251	168	Vertical
6	3472.18	65.22	-45.76	29.41	-46.39	-13.00	33.39	142	211	Vertical



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Test Band = CA Band 4A-7A_ 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	3422.18	60.40	-45.88	29.43	-51.31	-13.00	38.31	241	345	Horizontal
2	5002.18	40.07	-44.92	32.60	-67.51	-13.00	54.51	174	166	Horizontal
3	5133.27	54.04	-44.24	32.60	-52.86	-13.00	39.86	145	246	Horizontal
4	6844.36	53.05	-42.50	35.89	-48.82	-13.00	35.82	263	81	Horizontal
5	7503.27	38.72	-41.59	36.51	-61.62	-13.00	48.62	255	279	Horizontal
6	10004.36	33.33	-37.13	38.51	-60.56	-13.00	47.56	284	7	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	3422.18	69.06	-45.88	29.43	-42.65	-13.00	29.65	142	213	Vertical
2	5002.18	40.24	-44.92	32.60	-67.34	-13.00	54.34	296	310	Vertical
3	5133.27	65.69	-44.24	32.60	-41.21	-13.00	28.21	265	357	Vertical
4	6844.36	62.10	-42.50	35.89	-39.77	-13.00	26.77	284	0	Vertical
5	7503.27	38.75	-41.59	36.51	-61.59	-13.00	48.59	142	231	Vertical
6	10004.36	33.80	-37.13	38.51	-60.09	-13.00	47.09	288	310	Vertical



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Test Band = CA Band 4A-7A_ 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	61.02	-45.82	29.42	-50.64	-13.00	37.64	254	344	Horizontal
2	5170.5	57.44	-44.19	32.60	-49.41	-13.00	36.41	174	47	Horizontal
3	5052.18	40.88	-44.60	32.60	-66.38	-13.00	53.38	163	245	Horizontal
4	6894.36	52.22	-42.44	35.99	-49.49	-13.00	36.49	295	261	Horizontal
5	7578.27	37.75	-41.33	36.66	-62.18	-13.00	49.18	284	81	Horizontal
6	10104.36	34.94	-36.80	38.62	-58.50	-13.00	45.50	142	1	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	66.84	-45.82	29.42	-44.82	-13.00	31.82	142	230	Vertical
2	5170.5	69.88	-44.19	32.60	-36.97	-13.00	23.97	265	357	Vertical
3	5052.18	41.00	-44.60	32.60	-66.26	-13.00	53.26	284	261	Vertical
4	6894.36	61.04	-42.44	35.99	-40.67	-13.00	27.67	142	357	Vertical
5	7578.27	37.85	-41.33	36.66	-62.08	-13.00	49.08	263	277	Vertical
6	10104.36	33.61	-36.80	38.62	-59.83	-13.00	46.83	221	65	Vertical



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Test Band = CA Band 4A-7A_ 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	6944.25	49.96	-42.50	36.09	-51.71	-13.00	38.71	142	312	Horizontal
2	3472.18	60.12	-45.76	29.41	-51.49	-13.00	38.49	285	345	Horizontal
3	5102.18	40.38	-44.29	32.60	-66.57	-13.00	53.57	263	328	Horizontal
4	5208.27	52.86	-44.14	32.60	-53.94	-13.00	40.94	255	279	Horizontal
5	7653.27	37.21	-41.30	36.81	-62.54	-13.00	49.54	142	279	Horizontal
6	10204.36	34.42	-36.56	38.72	-58.68	-13.00	45.68	201	112	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	6944.25	61.55	-42.50	36.09	-40.12	-13.00	27.12	196	344	Vertical
2	3472.18	65.02	-45.76	29.41	-46.59	-13.00	33.59	265	277	Vertical
3	5102.18	40.63	-44.29	32.60	-66.32	-13.00	53.32	284	1	Vertical
4	5208.27	66.23	-44.14	32.60	-40.57	-13.00	27.57	142	27	Vertical
5	7653.27	36.15	-41.30	36.81	-63.60	-13.00	50.60	263	63	Vertical
6	10204.36	34.67	-36.56	38.72	-58.43	-13.00	45.43	221	94	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-2.40	-0.001385	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-2.00	-0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.80	-0.000462	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-2.10	-0.001212	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.90	-0.001097	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.20	0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-1.80	-0.001039	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.30	-0.001328	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.30	-0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.30	0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.90	-0.001097	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.60	-0.000924	PASS

---End of Attachment---



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