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Appendix B.7

LTE CA_2C



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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
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	1RB#0-0RB#0	22.88	24.82	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	22.97	24.91	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	1RB#0-0RB#0	22.81	24.75	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	23.22	25.16	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	1RB#0-0RB#0	22.78	24.72	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	22.82	24.76	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	1RB#0-0RB#0	22.87	24.81	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	22.06	24	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	1RB#0-0RB#0	22.65	24.59	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	21.67	23.61	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	1RB#0-0RB#0	22.93	24.87	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	21.92	23.86	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	1RB#0-0RB#0	23.15	25.09	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	50RB#0-75RB#0	23.14	25.08	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	1RB#0-0RB#0	23.5	25.44	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	50RB#0-75RB#0	23.2	25.14	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	1RB#0-0RB#0	22.99	24.93	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	50RB#0-75RB#0	22.97	24.91	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	1RB#0-0RB#0	22.86	24.8	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	20.96	22.9	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	1RB#0-0RB#0	22.73	24.67	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	20.88	22.82	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	1RB#0-0RB#0	22.63	24.57	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	20.77	22.71	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	1RB#0-0RB#0	23.03	24.97	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	19.83	21.77	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	1RB#0-0RB#0	22.65	24.59	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	19.44	21.38	33	PASS



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2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	1RB#0-0RB#0	22.3	24.24	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	19.17	21.11	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	1RB#0-0RB#0	21.07	23.01	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	50RB#0-100RB#0	19.82	21.76	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	1RB#0-0RB#0	21.34	23.28	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	50RB#0-100RB#0	19.44	21.38	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	1RB#0-0RB#0	21.24	23.18	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	50RB#0-100RB#0	19.18	21.12	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	1RB#0-0RB#0	22.87	24.81	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	22.94	24.88	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	1RB#0-0RB#0	22.79	24.73	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	23.24	25.18	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	1RB#0-0RB#0	22.74	24.68	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	22.85	24.79	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	1RB#0-0RB#0	22.59	24.53	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	22	23.94	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	1RB#0-0RB#0	22.62	24.56	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	22.03	23.97	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	1RB#0-0RB#0	22.41	24.35	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	21.89	23.83	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18675-18795	1RB#0-0RB#0	23.48	25.42	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18675-18795	75RB#0-50RB#0	23.09	25.03	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18851-18971	1RB#0-0RB#0	23.41	25.35	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18851-18971	75RB#0-50RB#0	22.86	24.8	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	19027-19147	1RB#0-0RB#0	23.33	25.27	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	19027-19147	75RB#0-50RB#0	22.88	24.82	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	1RB#0-0RB#0	22.9	24.84	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	20.88	22.82	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	1RB#0-0RB#0	22.73	24.67	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	20.85	22.79	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	1RB#0-0RB#0	22.63	24.57	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	75RB#0-75RB#0	20.7	22.64	33	PASS



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2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	1RB#0-0RB#0	22.95	24.89	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	19.61	21.55	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	1RB#0-0RB#0	23.05	24.99	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	19.9	21.84	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18975-19125	1RB#0-0RB#0	22.23	24.17	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18975-19125	75RB#0-75RB#0	19.37	21.31	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18675-18825	1RB#0-0RB#0	21.08	23.02	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18675-18825	75RB#0-75RB#0	19.64	21.58	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18825-18975	1RB#0-0RB#0	20.99	22.93	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18825-18975	75RB#0-75RB#0	19.95	21.89	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18975-19125	1RB#0-0RB#0	21.13	23.07	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18975-19125	75RB#0-75RB#0	19.4	21.34	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18678-18849	1RB#0-0RB#0	22.83	24.77	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18678-18849	75RB#0-100RB#0	20.88	22.82	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	1RB#0-0RB#0	22.96	24.9	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	20.84	22.78	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18929-19100	1RB#0-0RB#0	22.61	24.55	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18929-19100	75RB#0-100RB#0	20.76	22.7	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	1RB#0-0RB#0	22.79	24.73	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	19.41	21.35	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	1RB#0-0RB#0	22.83	24.77	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	19.26	21.2	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18929-19100	1RB#0-0RB#0	22.33	24.27	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18929-19100	75RB#0-100RB#0	19.18	21.12	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18678-18849	1RB#0-0RB#0	21.07	23.01	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18678-18849	75RB#0-100RB#0	19.4	21.34	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18803-18974	1RB#0-0RB#0	21.09	23.03	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18803-18974	75RB#0-100RB#0	19.28	21.22	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18929-19100	1RB#0-0RB#0	21.33	23.27	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18929-19100	75RB#0-100RB#0	19.18	21.12	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	20.89	22.83	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	1RB#0-0RB#0	22.89	24.83	33	PASS



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2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	21.04	22.98	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	1RB#0-0RB#0	22.72	24.66	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	20.71	22.65	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	1RB#0-0RB#0	22.58	24.52	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	20.1	22.04	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	1RB#0-0RB#0	22.4	24.34	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	19.12	21.06	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	1RB#0-0RB#0	22.88	24.82	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	19.33	21.27	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	1RB#0-0RB#0	22.8	24.74	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18700-18844	100RB#0-50RB#0	20.1	22.04	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18700-18844	1RB#0-0RB#0	21.37	23.31	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18851-18995	100RB#0-50RB#0	19.17	21.11	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18851-18995	1RB#0-0RB#0	20.95	22.89	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	19001-19145	100RB#0-50RB#0	19.34	21.28	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	19001-19145	1RB#0-0RB#0	20.88	22.82	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	20.88	22.82	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	1RB#0-0RB#0	22.89	24.83	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	20.82	22.76	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	1RB#0-0RB#0	22.81	24.75	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	20.78	22.72	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	1RB#0-0RB#0	22.63	24.57	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	19.48	21.42	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	1RB#0-0RB#0	22.89	24.83	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	18.74	20.68	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	1RB#0-0RB#0	23	24.94	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	19.09	21.03	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	1RB#0-0RB#0	22.75	24.69	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18700-18871	100RB#0-75RB#0	19.47	21.41	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18700-18871	1RB#0-0RB#0	21.08	23.02	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18826-18997	100RB#0-75RB#0	18.78	20.72	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18826-18997	1RB#0-0RB#0	21.01	22.95	33	PASS



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2-2	20MHz-15MHz	64QAM-64QAM	18951-19122	100RB#0-75RB#0	19.09	21.03	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18951-19122	1RB#0-0RB#0	20.93	22.87	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	21.19	23.13	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	1RB#0-0RB#0	22.87	24.81	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	20.84	22.78	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	1RB#0-0RB#0	23	24.94	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	20.85	22.79	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	1RB#0-0RB#0	22.78	24.72	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	19.44	21.38	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	1RB#0-0RB#0	23.01	24.95	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	18.77	20.71	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	1RB#0-0RB#0	22.93	24.87	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	19.67	21.61	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	1RB#0-0RB#0	22.38	24.32	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	100RB#0-100RB#0	19.46	21.4	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	1RB#0-0RB#0	21.02	22.96	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	18.81	20.75	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	1RB#0-0RB#0	21.01	22.95	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	100RB#0-100RB#0	19.69	21.63	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	1RB#0-0RB#0	21.29	23.23	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	20.92	22.86	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	1RB#0-0RB#0	22.89	24.83	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	20.86	22.8	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	1RB#0-0RB#0	22.77	24.71	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	20.8	22.74	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	1RB#0-0RB#0	22.7	24.64	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	19.42	21.36	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	1RB#0-0RB#0	22.81	24.75	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	19.17	21.11	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	1RB#0-0RB#0	22.88	24.82	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	19.43	21.37	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	1RB#0-0RB#0	22.71	24.65	33	PASS



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2-2	20MHz-5MHz	64QAM-64QAM	18700-18817	100RB#0-25RB#0	19.44	21.38	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18700-18817	1RB#0-0RB#0	21.02	22.96	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18875-18992	100RB#0-25RB#0	19.21	21.15	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18875-18992	1RB#0-0RB#0	21.06	23	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	19050-19167	100RB#0-25RB#0	19.46	21.4	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	19050-19167	1RB#0-0RB#0	20.84	22.78	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	1RB#0-0RB#0	23.02	24.96	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	20.65	22.59	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	1RB#0-0RB#0	22.77	24.71	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	20.86	22.8	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	1RB#0-0RB#0	22.79	24.73	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	21.35	23.29	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	1RB#0-0RB#0	23	24.94	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	19.46	21.4	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	1RB#0-0RB#0	22.45	24.39	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	19.52	21.46	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	1RB#0-0RB#0	22.38	24.32	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	19.26	21.2	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	1RB#0-0RB#0	21.05	22.99	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	25RB#0-100RB#0	19.45	21.39	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	1RB#0-0RB#0	21.39	23.33	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	25RB#0-100RB#0	19.52	21.46	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	1RB#0-0RB#0	21.25	23.19	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	25RB#0-100RB#0	19.22	21.16	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	6.96	13	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	6.84	13	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	6.88	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	8.18	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	8.02	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	8.04	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	100RB#0-100RB#0	8.38	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	8.26	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	100RB#0-100RB#0	8.34	13	PASS



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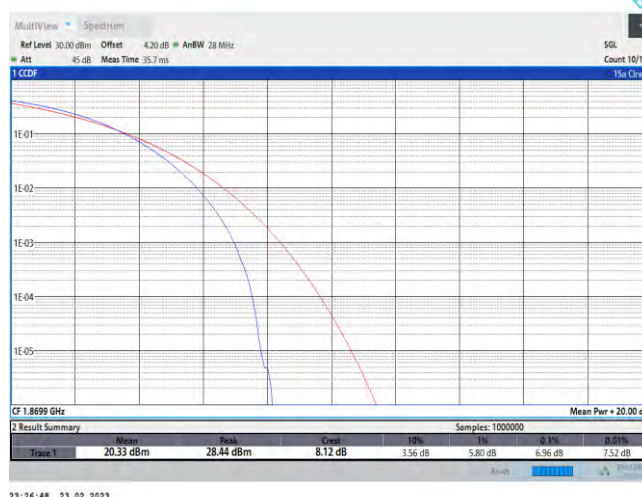
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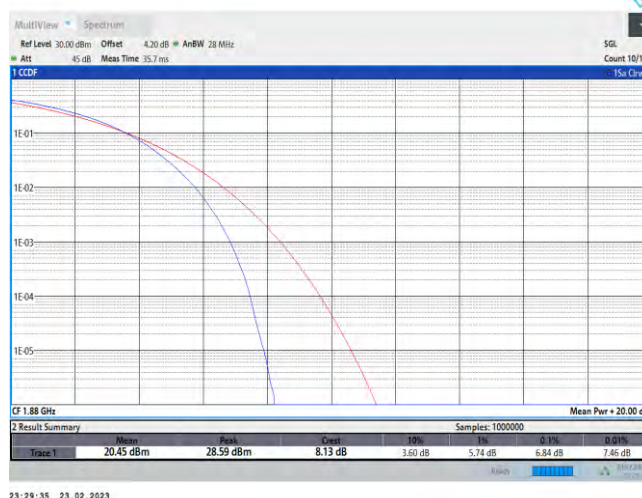
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Test Graphs

2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-100RB#0-100RB#0



2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0



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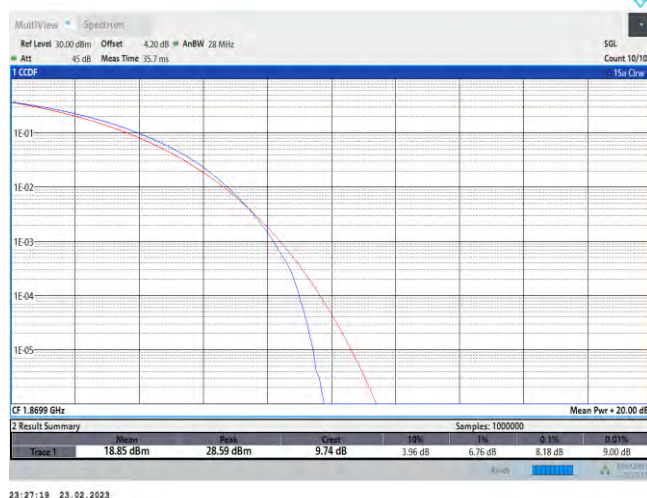
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



2-2-20MHz-20MHz-16QAM-16QAM-18700-18898-100RB#0-100RB#0



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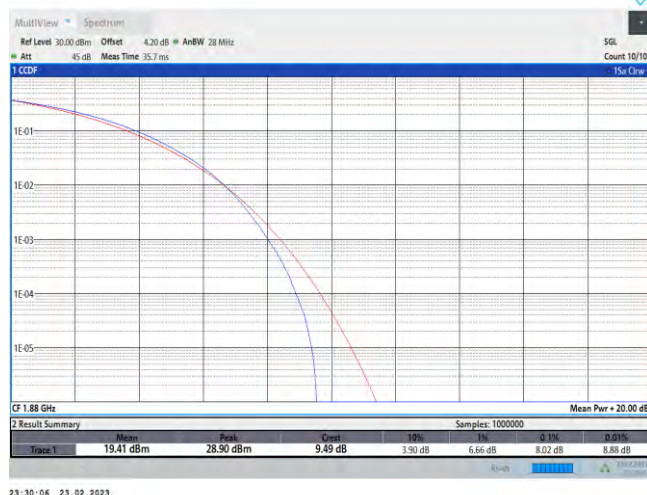
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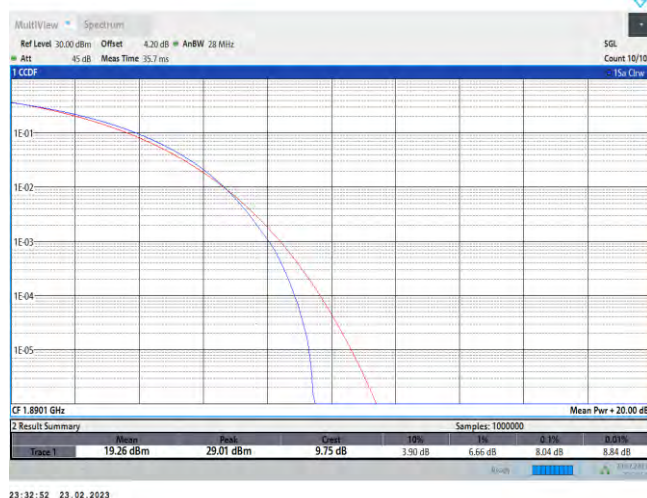
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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-16QAM-16QAM-18902-19100-100RB#0-100RB#0



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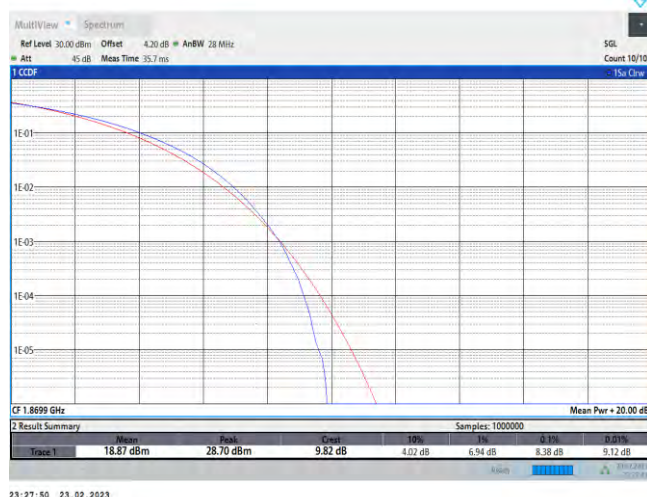
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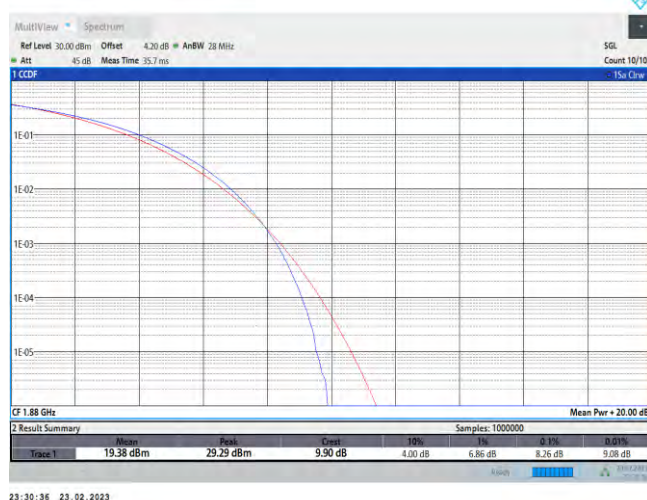
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2-2-20MHz-20MHz-64QAM-64QAM-18801-18999-100RB#0-100RB#0



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2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Verdict
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	8.22	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	8.30	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	8.28	PASS



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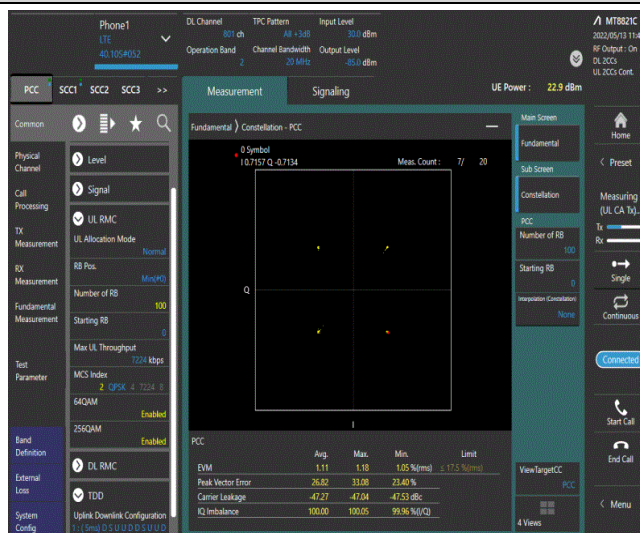
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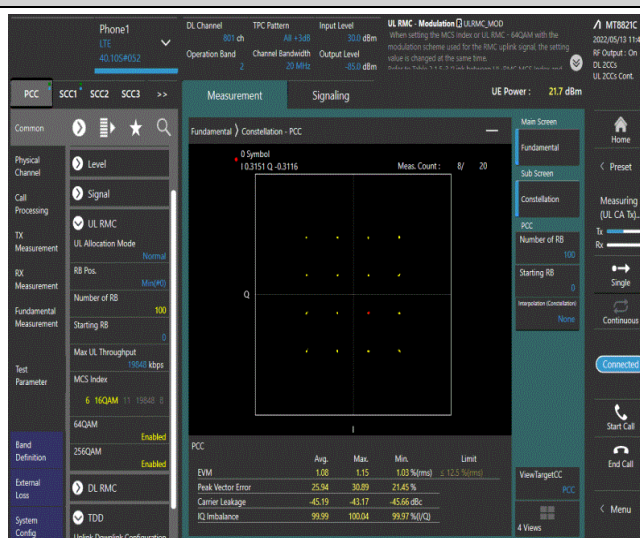
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Test Graphs

2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



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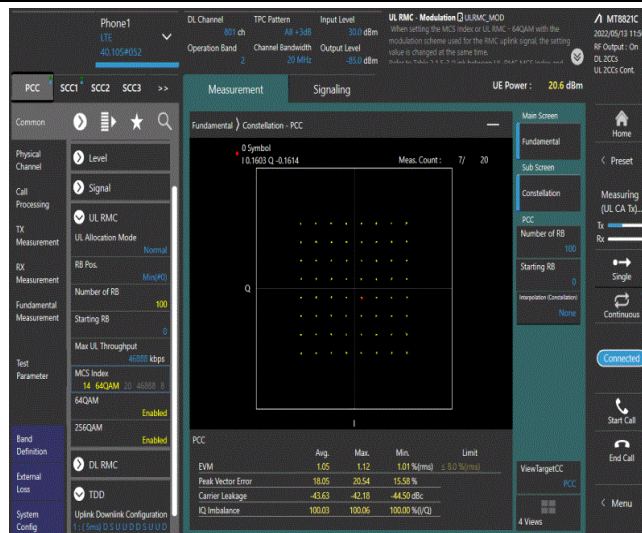
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2-2-20MHz-20MHz-64QAM-64QAM-18801-18999-100RB#0-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	23.218	24.85	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	23.23	24.90	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	23.185	24.85	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	23.18	24.85	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	23.146	24.90	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	23.151	24.85	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	50RB#0-75RB#0	23.213	25.05	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	50RB#0-75RB#0	23.217	25.15	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	50RB#0-75RB#0	23.157	24.95	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	27.809	29.58	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	27.781	29.58	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	27.771	29.58	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	27.749	29.52	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	27.717	29.52	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	27.708	29.40	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	50RB#0-100RB#0	27.766	29.76	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	50RB#0-100RB#0	27.728	29.52	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	50RB#0-100RB#0	27.739	29.52	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	23.239	24.95	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	23.184	24.85	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	23.164	24.90	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	23.231	24.95	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	23.136	24.70	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	23.135	24.90	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18675-18795	75RB#0-50RB#0	23.256	32.85	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18851-18971	75RB#0-50RB#0	23.142	24.80	PASS
2-2	15MHz-10MHz	64QAM-64QAM	19027-19147	75RB#0-50RB#0	23.148	24.85	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	28.439	30.36	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	28.387	30.48	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	75RB#0-75RB#0	28.375	30.36	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	28.381	31.92	PASS



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2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	28.321	30.36	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18975-19125	75RB#0-75RB#0	28.37	30.36	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18675-18825	75RB#0-75RB#0	28.341	30.48	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18825-18975	75RB#0-75RB#0	28.292	30.36	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18975-19125	75RB#0-75RB#0	28.305	30.36	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18678-18849	75RB#0-100RB#0	32.665	34.93	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	32.625	34.79	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18929-19100	75RB#0-100RB#0	32.63	34.79	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	32.64	34.86	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	32.623	34.65	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18929-19100	75RB#0-100RB#0	32.589	34.72	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18678-18849	75RB#0-100RB#0	32.631	34.86	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18803-18974	75RB#0-100RB#0	32.587	34.79	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18929-19100	75RB#0-100RB#0	32.595	34.72	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	27.831	29.52	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	27.784	29.58	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	27.853	29.64	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	27.756	29.52	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	27.709	29.58	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	27.776	29.58	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18700-18844	100RB#0-50RB#0	27.716	29.52	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18851-18995	100RB#0-50RB#0	27.694	29.46	PASS
2-2	20MHz-10MHz	64QAM-64QAM	19001-19145	100RB#0-50RB#0	27.717	29.58	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	32.688	34.79	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	32.702	34.72	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	32.703	34.72	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	32.654	34.86	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	32.626	34.79	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	32.584	34.86	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18700-18871	100RB#0-75RB#0	32.602	34.72	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18826-18997	100RB#0-75RB#0	32.593	34.79	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18951-19122	100RB#0-75RB#0	32.563	34.79	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	37.785	40.64	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	37.817	40.88	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	37.78	40.48	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	37.763	40.80	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	37.705	42.72	PASS



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2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	37.669	40.56	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	100RB#0-100RB#0	37.731	40.72	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	37.709	40.56	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	100RB#0-100RB#0	37.669	40.64	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	23.044	24.55	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	22.93	24.45	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	22.981	24.55	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	22.957	24.50	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	22.886	24.45	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	22.919	24.45	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18700-18817	100RB#0-25RB#0	22.937	24.50	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18875-18992	100RB#0-25RB#0	22.87	24.45	PASS
2-2	20MHz-5MHz	64QAM-64QAM	19050-19167	100RB#0-25RB#0	22.899	24.35	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	22.924	24.55	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	22.943	24.60	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	22.969	24.55	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	22.895	24.45	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	22.911	24.45	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	22.909	24.50	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	25RB#0-100RB#0	22.876	24.30	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	25RB#0-100RB#0	22.902	24.45	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	25RB#0-100RB#0	22.908	24.40	PASS



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Test Graphs

2-2-10MHz-15MHz-QPSK-QPSK-18653-18773-50RB#0-75RB#0



21:23:34 23.02.2023

2-2-10MHz-15MHz-QPSK-QPSK-18829-18949-50RB#0-75RB#0



21:26:23 23.02.2023



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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-50RB#0-75RB#0



21:29:11 23.02.2023

2-2-10MHz-15MHz-16QAM-16QAM-18653-18773-50RB#0-75RB#0



21:24:06 23.02.2023



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2-2-10MHz-15MHz-16QAM-16QAM-18829-18949-50RB#0-75RB#0



21:26:54 23.02.2023

2-2-10MHz-15MHz-16QAM-16QAM-19005-19125-50RB#0-75RB#0



21:29:42 23.02.2023



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2-2-10MHz-15MHz-64QAM-64QAM-18653-18773-50RB#0-75RB#0



21:24:38 23.02.2023

2-2-10MHz-15MHz-64QAM-64QAM-18829-18949-50RB#0-75RB#0



21:27:26 23.02.2023



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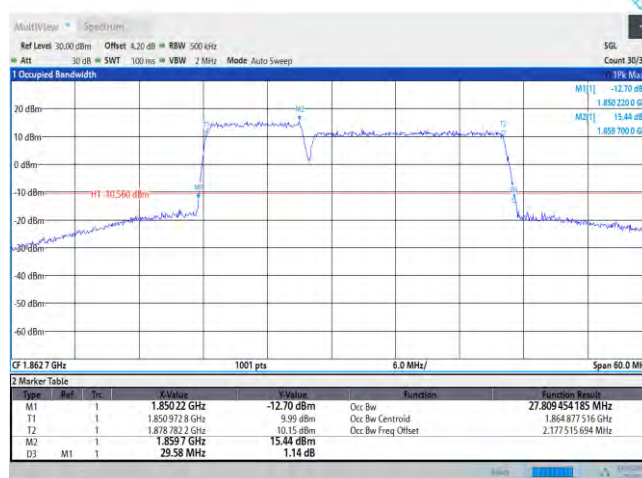
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2-2-10MHz-15MHz-64QAM-64QAM-19005-19125-50RB#0-75RB#0



21:30:14 23.02.2023

2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-50RB#0-100RB#0



21:48:17 23.02.2023



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21:51:05 23.02.2023

2-2-10MHz-20MHz-QPSK-QPSK-18956-19100-50RB#0-100RB#0



21:53:54 23.02.2023



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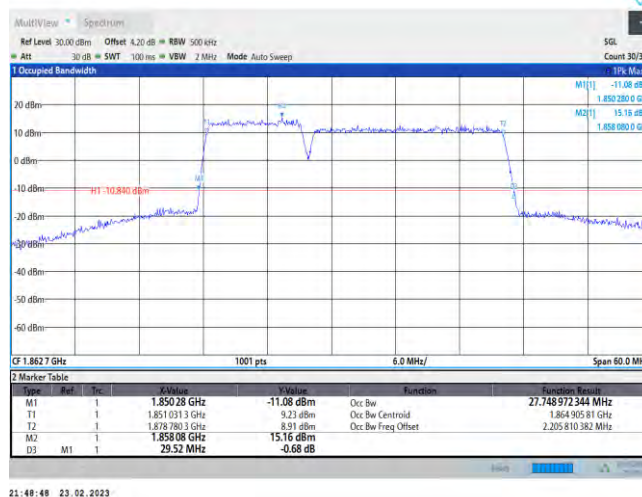
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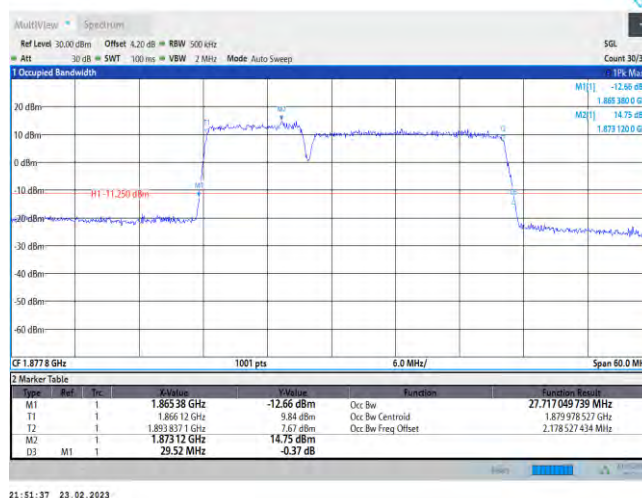
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2-2-10MHz-20MHz-16QAM-16QAM-18655-18799-50RB#0-100RB#0



21:48:48 23.02.2023

2-2-10MHz-20MHz-16QAM-16QAM-18806-18950-50RB#0-100RB#0



21:51:37 23.02.2023



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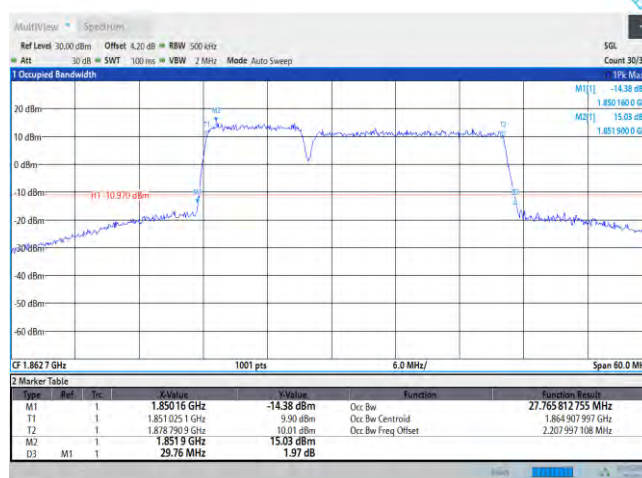
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2-2-10MHz-20MHz-16QAM-16QAM-18956-19100-50RB#0-100RB#0



21:54:25 23.02.2023

2-2-10MHz-20MHz-64QAM-64QAM-18655-18799-50RB#0-100RB#0



21:49:20 23.02.2023



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21:52:08 23.02.2023

2-2-10MHz-20MHz-64QAM-64QAM-18956-19100-50RB#0-100RB#0



21:54:57 23.02.2023



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2-2-15MHz-10MHz-QPSK-QPSK-18675-18795-75RB#0-50RB#0



2-2-15MHz-10MHz-QPSK-QPSK-18851-18971-75RB#0-50RB#0



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22:11:35 23.02.2023

2-2-15MHz-10MHz-16QAM-16QAM-18675-18795-75RB#0-50RB#0



22:08:55 23.02.2023



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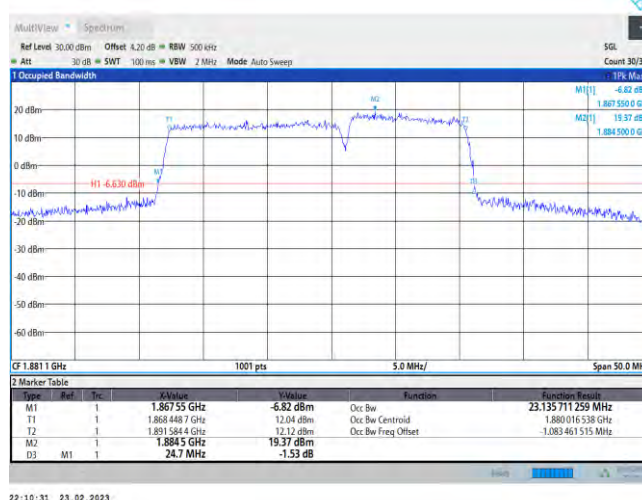
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2-2-15MHz-10MHz-16QAM-16QAM-18851-18971-75RB#0-50RB#0



22:10:31 23.02.2023

2-2-15MHz-10MHz-16QAM-16QAM-19027-19147-75RB#0-50RB#0



22:12:06 23.02.2023



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22:09:27 23.02.2023

2-2-15MHz-10MHz-64QAM-64QAM-18851-18971-75RB#0-50RB#0



22:11:02 23.02.2023



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22:12:38 23.02.2023

2-2-15MHz-15MHz-QPSK-QPSK-18675-18825-75RB#0-75RB#0



22:21:08 23.02.2023



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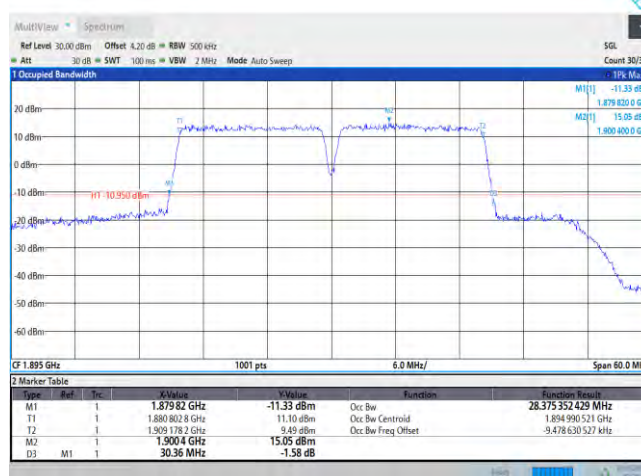
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2-2-15MHz-15MHz-QPSK-QPSK-18825-18975-75RB#0-75RB#0



22:22:47 23.02.2023

2-2-15MHz-15MHz-QPSK-QPSK-18975-19125-75RB#0-75RB#0



22:24:29 23.02.2023



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22:21:39 23.02.2023

2-2-15MHz-15MHz-16QAM-16QAM-18825-18975-75RB#0-75RB#0



22:23:18 23.02.2023



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22:25:00 23.02.2023

2-2-15MHz-15MHz-64QAM-64QAM-18675-18825-75RB#0-75RB#0



22:22:11 23.02.2023



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22:23:50 23.02.2023

2-2-15MHz-15MHz-64QAM-64QAM-18975-19125-75RB#0-75RB#0



22:25:32 23.02.2023



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2-2-15MHz-20MHz-QPSK-QPSK-18678-18849-75RB#0-100RB#0



22:38:06 23.02.2023

2-2-15MHz-20MHz-QPSK-QPSK-18803-18974-75RB#0-100RB#0



22:42:29 23.02.2023



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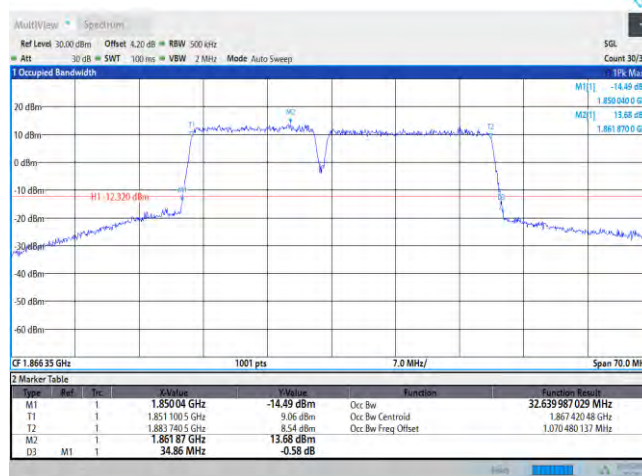
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2-2-15MHz-20MHz-QPSK-QPSK-18929-19100-75RB#0-100RB#0



22:46:52 23.02.2023

2-2-15MHz-20MHz-16QAM-16QAM-18678-18849-75RB#0-100RB#0



22:38:38 23.02.2023



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2-2-15MHz-20MHz-16QAM-16QAM-18803-18974-75RB#0-100RB#0



22:43:01 23.02.2023

2-2-15MHz-20MHz-16QAM-16QAM-18929-19100-75RB#0-100RB#0



22:47:23 23.02.2023



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22:39:09 23.02.2023

2-2-15MHz-20MHz-64QAM-64QAM-18803-18974-75RB#0-100RB#0



22:43:32 23.02.2023



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22:47:55 23.02.2023

2-2-20MHz-10MHz-QPSK-QPSK-18700-18844-100RB#0-50RB#0



21:55:45 23.02.2023



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21:57:20 23.02.2023

2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-100RB#0-50RB#0



21:58:56 23.02.2023



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21:56:16 23.02.2023

2-2-20MHz-10MHz-16QAM-16QAM-18851-18995-100RB#0-50RB#0



21:57:51 23.02.2023



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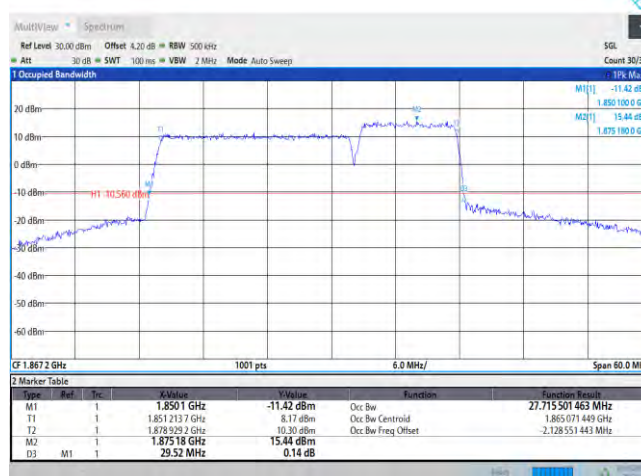
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21:59:27 23.02.2023

2-2-20MHz-10MHz-64QAM-64QAM-18700-18844-100RB#0-50RB#0



21:56:47 23.02.2023



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2-2-20MHz-10MHz-64QAM-64QAM-19001-19145-100RB#0-50RB#0



21:59:58 23.02.2023



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2-2-20MHz-15MHz-QPSK-QPSK-18700-18871-100RB#0-75RB#0



23:09:23 23.02.2023

2-2-20MHz-15MHz-QPSK-QPSK-18826-18997-100RB#0-75RB#0



23:12:11 23.02.2023



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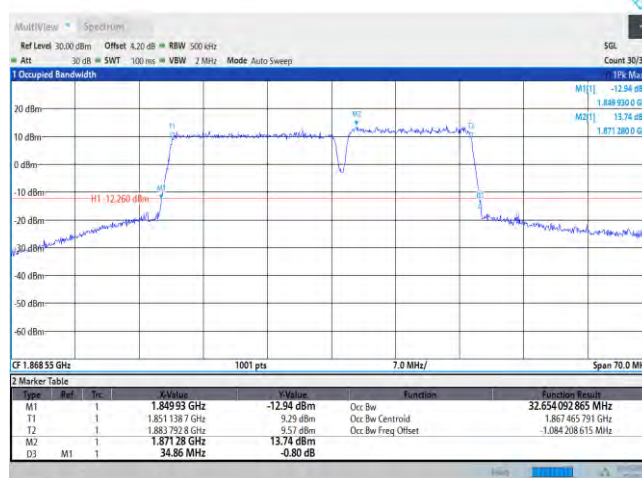
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2-2-20MHz-15MHz-QPSK-QPSK-18951-19122-100RB#0-75RB#0



23:15:00 23.02.2023

2-2-20MHz-15MHz-16QAM-16QAM-18700-18871-100RB#0-75RB#0



23:09:54 23.02.2023



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2-2-20MHz-15MHz-16QAM-16QAM-18826-18997-100RB#0-75RB#0



23:12:43 23.02.2023

2-2-20MHz-15MHz-16QAM-16QAM-18951-19122-100RB#0-75RB#0



23:15:31 23.02.2023



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23:10:26 23.02.2023

2-2-20MHz-15MHz-64QAM-64QAM-18826-18997-100RB#0-75RB#0



23:13:14 23.02.2023



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23:16:03 23.02.2023

2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-100RB#0-100RB#0



23:34:10 23.02.2023



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2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-100RB#0-100RB#0



23:36:58 23.02.2023

2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



23:39:46 23.02.2023



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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



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2-2-20MHz-20MHz-16QAM-16QAM-18902-19100-100RB#0-100RB#0



23:40:18 23.02.2023

2-2-20MHz-20MHz-64QAM-64QAM-18700-18898-100RB#0-100RB#0



23:35:13 23.02.2023



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23:38:01 23.02.2023

2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



23:40:49 23.02.2023



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2-2-20MHz-5MHz-QPSK-QPSK-18700-18817-100RB#0-25RB#0



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2-2-20MHz-5MHz-QPSK-QPSK-18875-18992-100RB#0-25RB#0



22:57:51 23.02.2023



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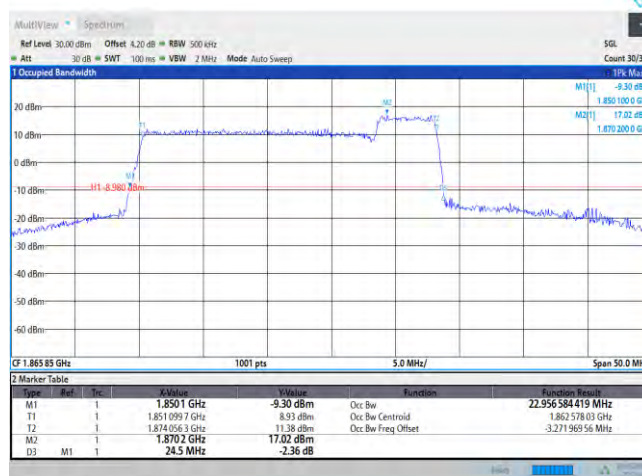
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2-2-20MHz-5MHz-QPSK-QPSK-19050-19167-100RB#0-25RB#0



22:59:26 23.02.2023

2-2-20MHz-5MHz-16QAM-16QAM-18700-18817-100RB#0-25RB#0



22:56:47 23.02.2023



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2-2-20MHz-5MHz-16QAM-16QAM-19050-19167-100RB#0-25RB#0



22:59:58 23.02.2023



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2-2-20MHz-5MHz-64QAM-64QAM-18875-18992-100RB#0-25RB#0



22:58:54 23.02.2023



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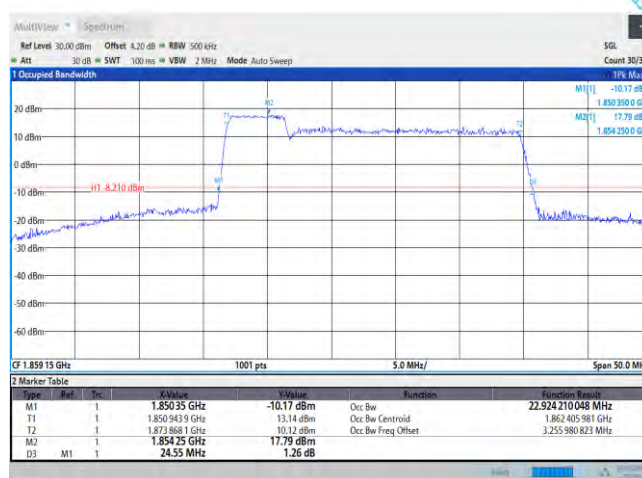
Page: 60 of 94

2-2-20MHz-5MHz-64QAM-64QAM-19050-19167-100RB#0-25RB#0



23:00:29 23.02.2023

2-2-5MHz-20MHz-QPSK-QPSK-18633-18750-25RB#0-100RB#0



21:08:07 23.02.2023



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2-2-5MHz-20MHz-QPSK-QPSK-18808-18925-25RB#0-100RB#0



21:10:55 23.02.2023

2-2-5MHz-20MHz-QPSK-QPSK-18983-19100-25RB#0-100RB#0



21:11:43 23.02.2023



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2-2-5MHz-20MHz-16QAM-16QAM-18633-18750-25RB#0-100RB#0



21:08:38 23.02.2023

2-2-5MHz-20MHz-16QAM-16QAM-18808-18925-25RB#0-100RB#0



21:11:26 23.02.2023



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2-2-5MHz-20MHz-16QAM-16QAM-18983-19100-25RB#0-100RB#0



21:14:15 23.02.2023

2-2-5MHz-20MHz-64QAM-64QAM-18633-18750-25RB#0-100RB#0



21:09:10 23.02.2023



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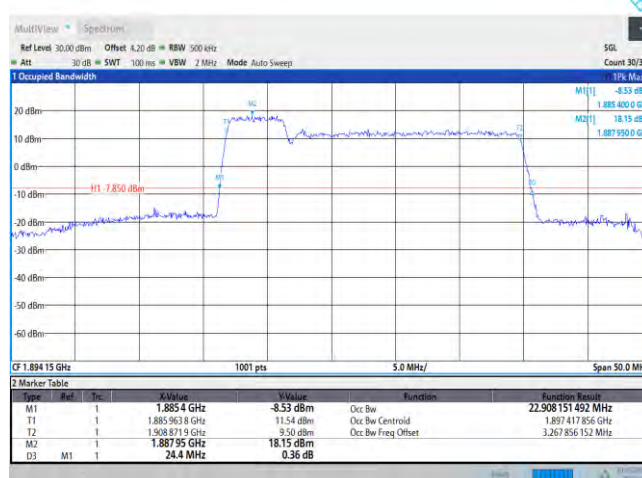
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2-2-5MHz-20MHz-64QAM-64QAM-18808-18925-25RB#0-100RB#0



21:11:58 23.02.2023

2-2-5MHz-20MHz-64QAM-64QAM-18983-19100-25RB#0-100RB#0



21:14:46 23.02.2023



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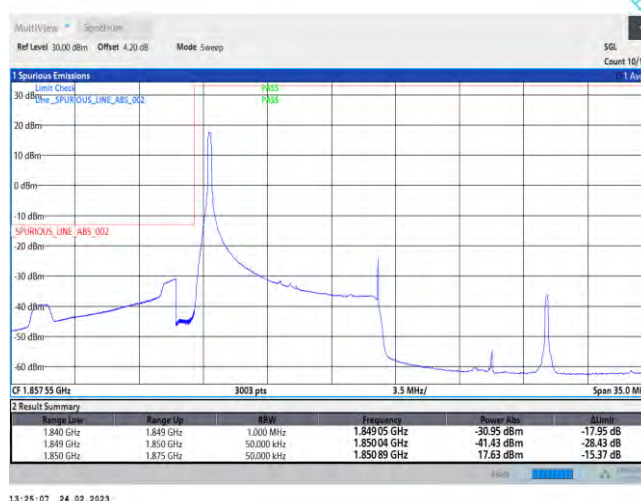
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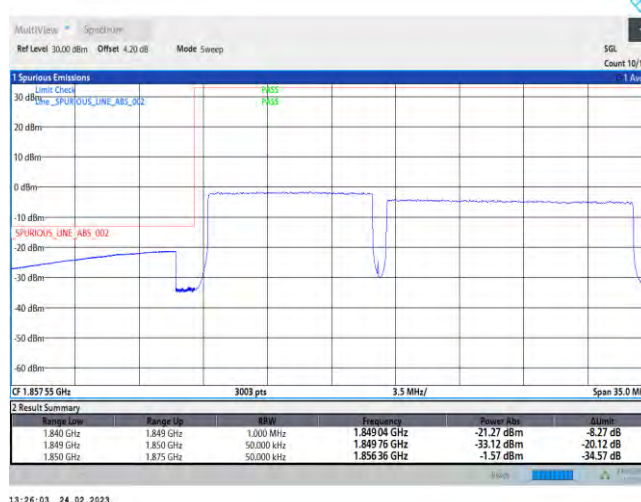
Band Edge

Test Graphs

2-2-10MHz-15MHz-QPSK-QPSK-18653-18773-1RB#0-0RB#0



2-2-10MHz-15MHz-QPSK-QPSK-18653-18773-50RB#0-75RB#0



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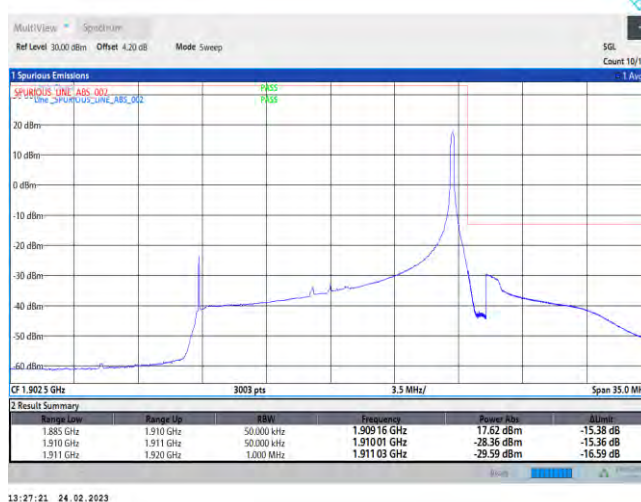
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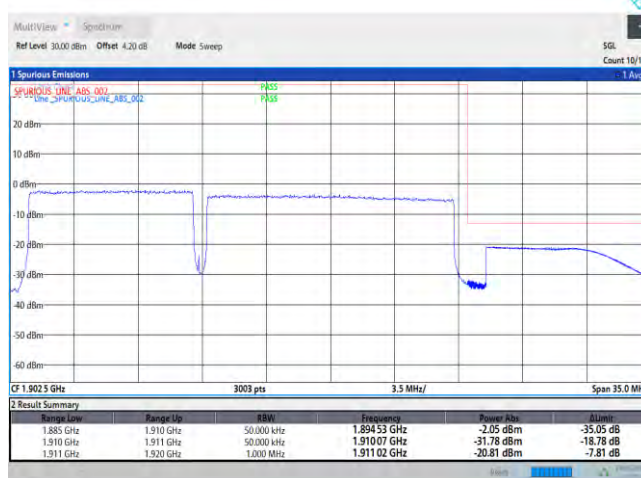
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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-0RB#0-1RB#74



13:27:21 24.02.2023

2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-50RB#0-75RB#0



13:28:17 24.02.2023



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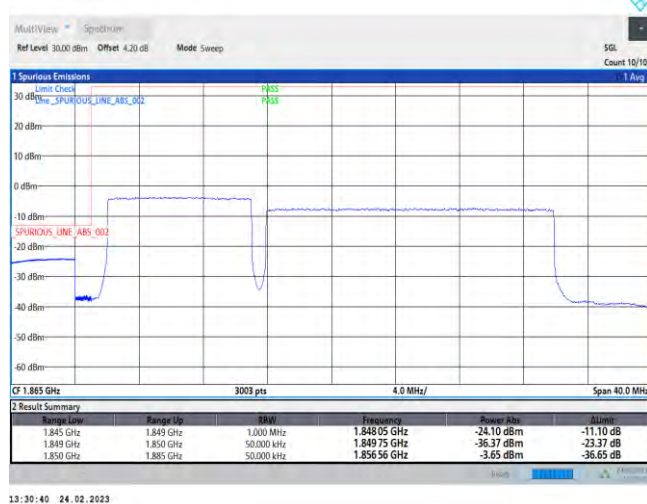
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2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-1RB#0-0RB#0



13:29:36 24.02.2023

2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-50RB#0-100RB#0



13:30:40 24.02.2023



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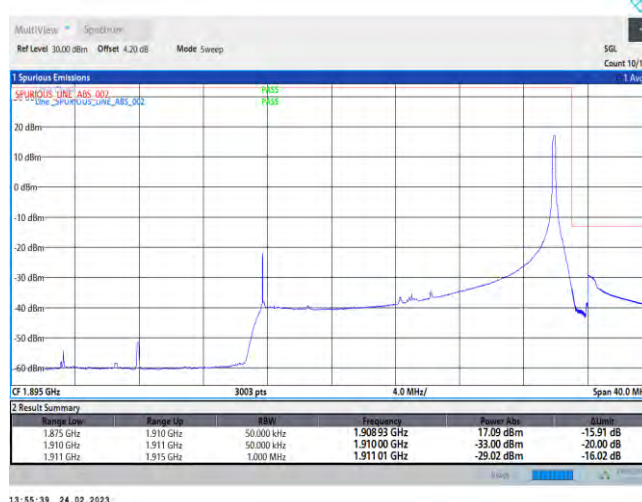
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13:55:39 24.02.2023

2-2-10MHz-20MHz-QPSK-QPSK-18956-19100-50RB#0-100RB#0



13:56:52 24.02.2023



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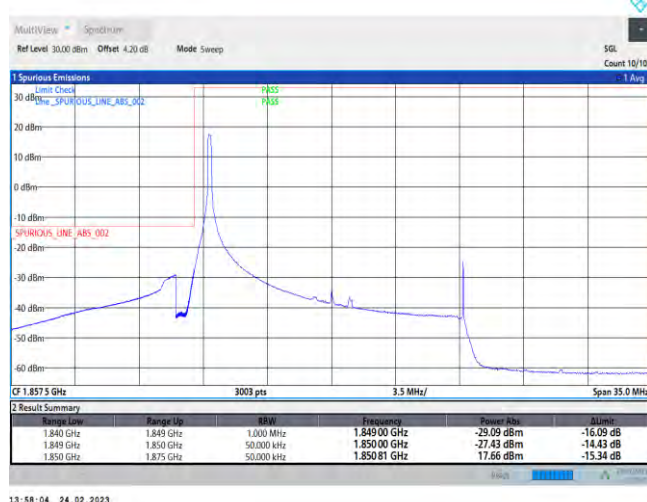
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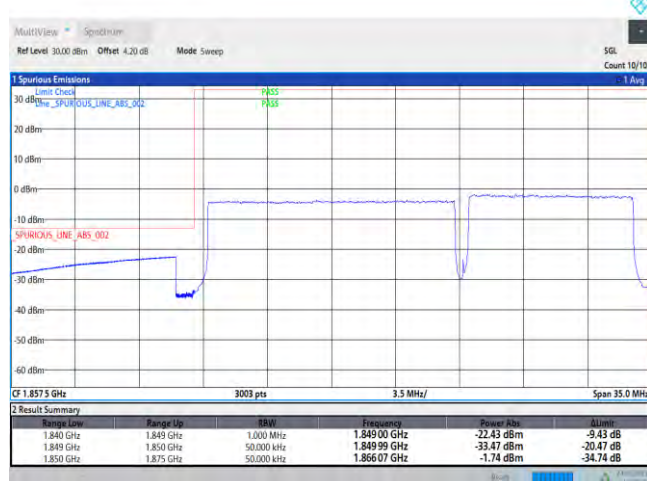
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2-2-15MHz-10MHz-QPSK-QPSK-18675-18795-1RB#0-0RB#0



13:58:04 24.02.2023

2-2-15MHz-10MHz-QPSK-QPSK-18675-18795-75RB#0-50RB#0



13:59:00 24.02.2023



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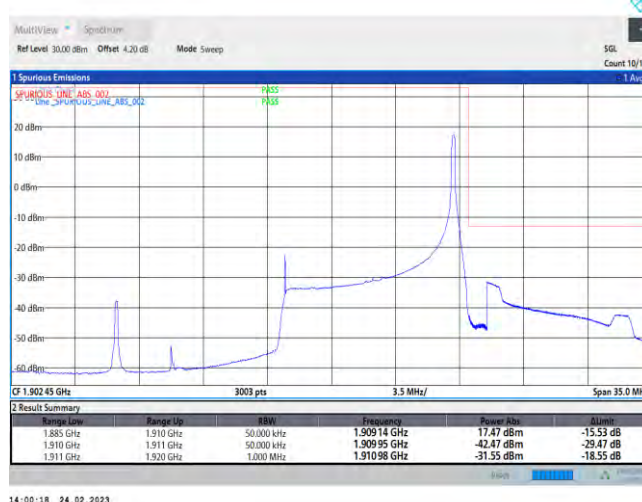
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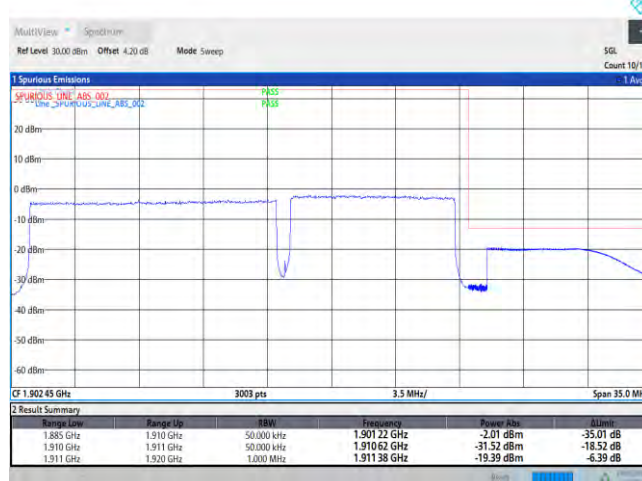
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2-2-15MHz-10MHz-QPSK-QPSK-19027-19147-0RB#0-1RB#49



14:00:18 24.02.2023

2-2-15MHz-10MHz-QPSK-QPSK-19027-19147-75RB#0-50RB#0



14:01:14 24.02.2023



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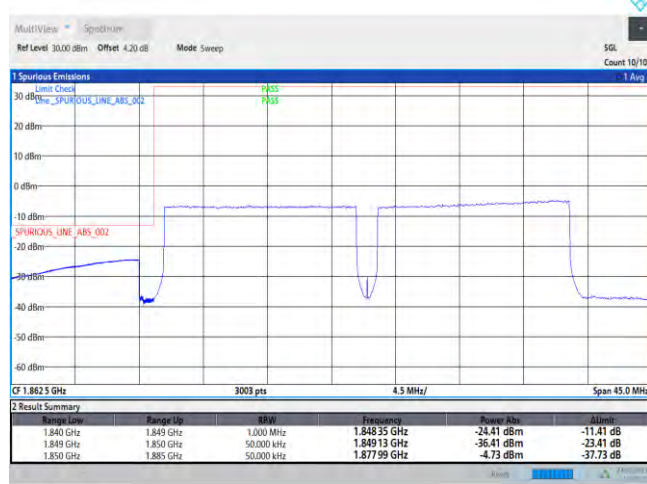
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14:04:14 24.02.2023

2-2-15MHz-15MHz-QPSK-QPSK-18675-18825-75RB#0-75RB#0



14:07:30 24.02.2023



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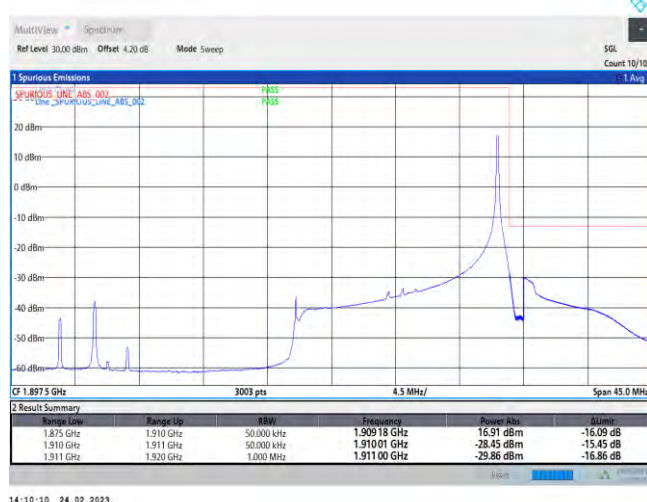
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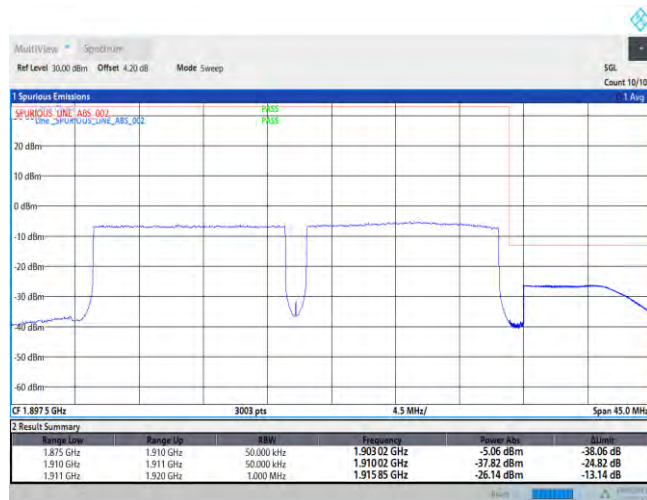
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14:10:10 24.02.2023

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14:11:14 24.02.2023



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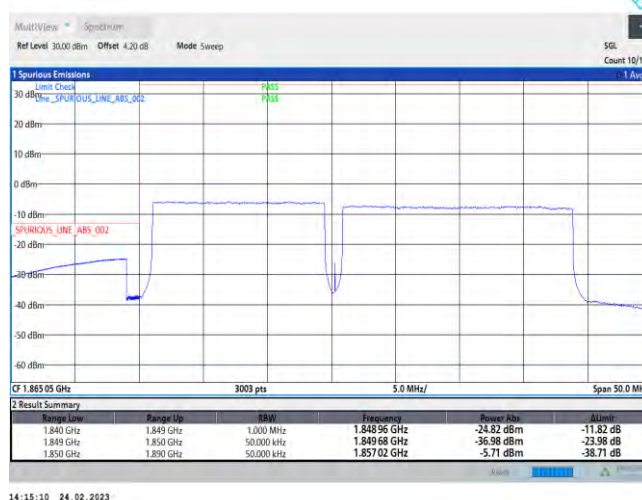
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2-2-15MHz-20MHz-QPSK-QPSK-18678-18849-1RB#0-0RB#0



2-2-15MHz-20MHz-QPSK-QPSK-18678-18849-75RB#0-100RB#0



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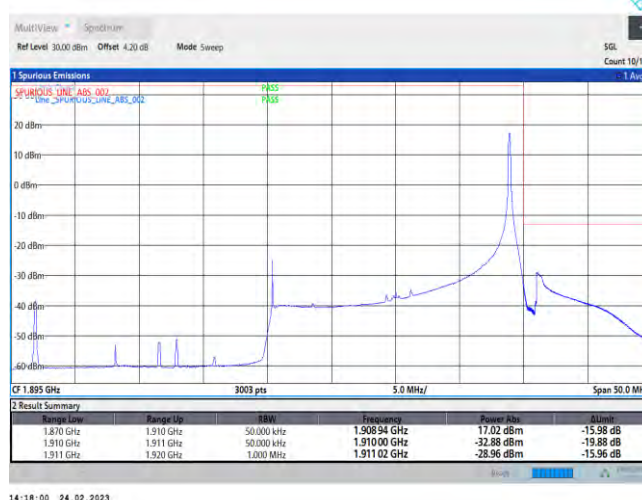
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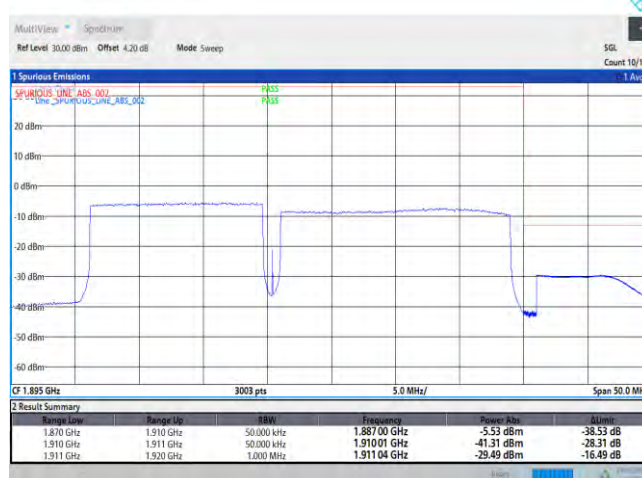
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2-2-15MHz-20MHz-QPSK-QPSK-18929-19100-0RB#0-1RB#99



14:18:00 24.02.2023

2-2-15MHz-20MHz-QPSK-QPSK-18929-19100-75RB#0-100RB#0



14:19:08 24.02.2023



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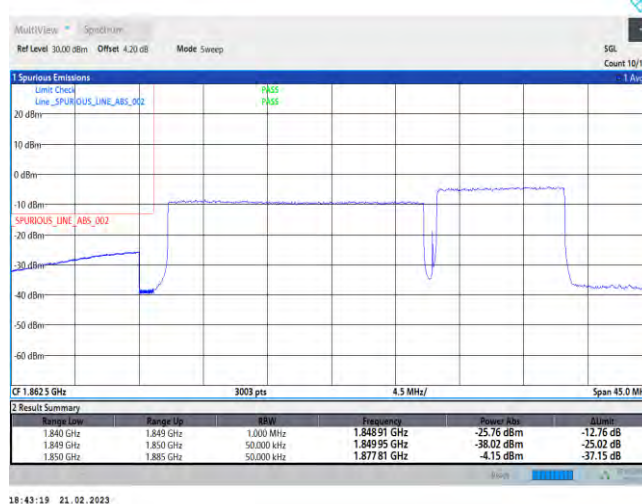
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2-2-20MHz-10MHz-QPSK-QPSK-18700-18844-100RB#0-50RB#0



2-2-20MHz-10MHz-QPSK-QPSK-18700-18844-1RB#0-0RB#0



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2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-0RB#0-1RB#49



18:50:55 21.02.2023

2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-100RB#0-50RB#0



18:51:59 21.02.2023



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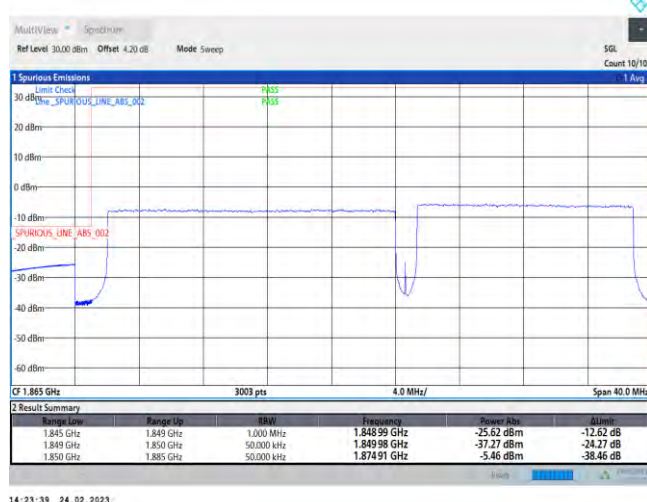
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2-2-20MHz-15MHz-QPSK-QPSK-18700-18871-100RB#0-75RB#0



14:23:39 24.02.2023

2-2-20MHz-15MHz-QPSK-QPSK-18700-18871-1RB#0-0RB#0



14:22:35 24.02.2023



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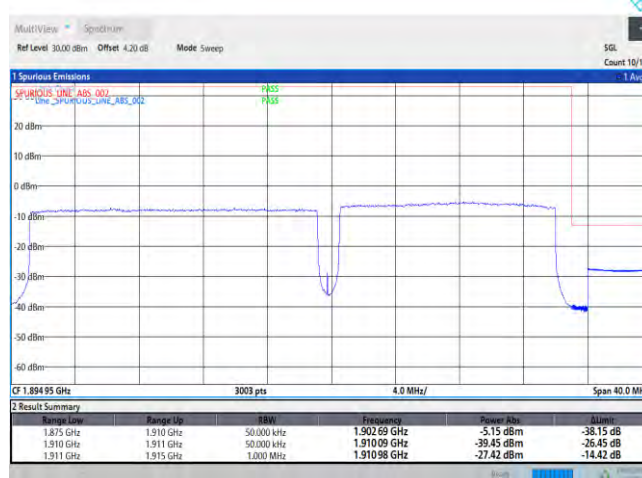
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2-2-20MHz-15MHz-QPSK-QPSK-18951-19122-0RB#0-1RB#74



14:26:16 24.02.2023

2-2-20MHz-15MHz-QPSK-QPSK-18951-19122-100RB#0-75RB#0



14:27:24 24.02.2023



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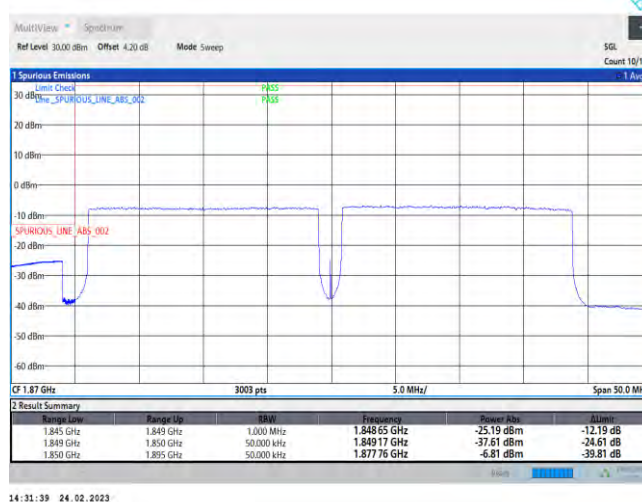
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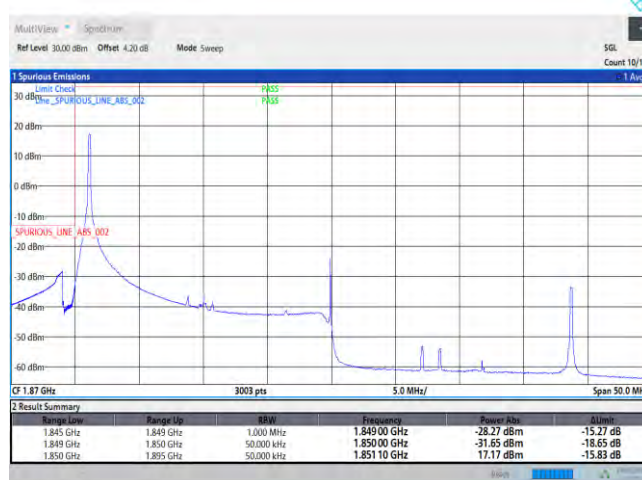
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14:31:39 24.02.2023

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14:30:27 24.02.2023



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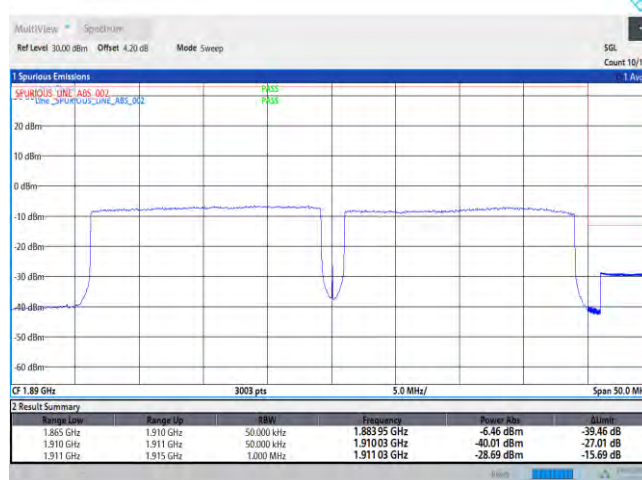
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14:35:13 24.02.2023

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14:36:25 24.02.2023



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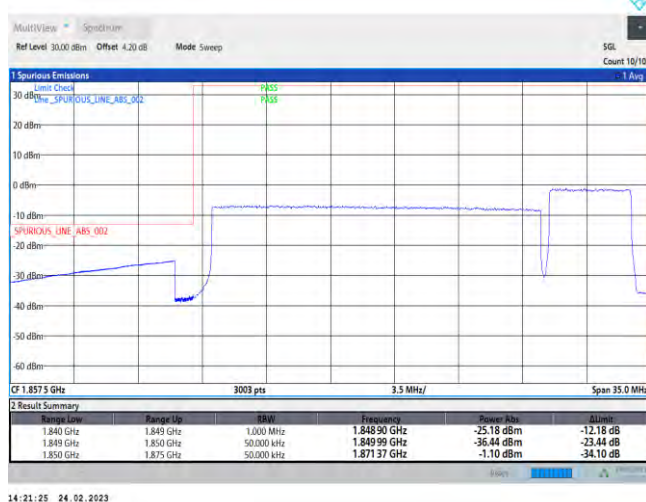
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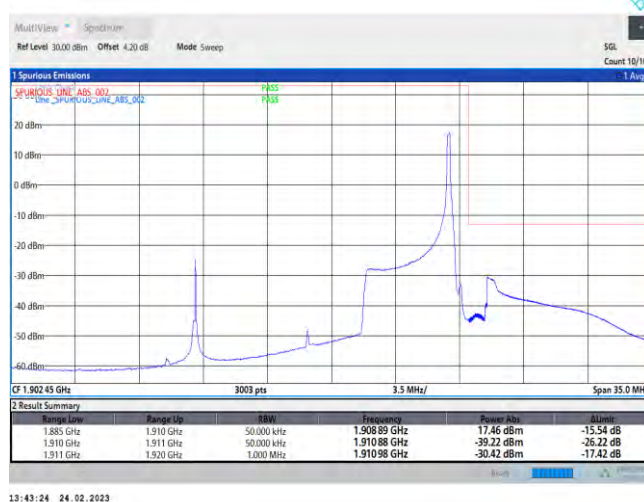
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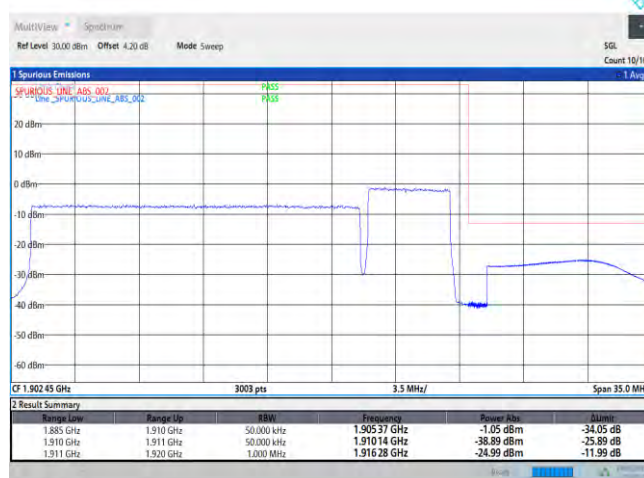
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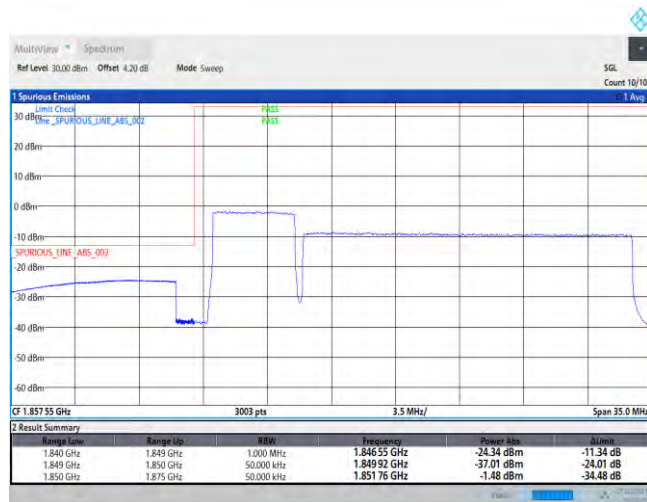
Page: 83 of 94

2-2-5MHz-20MHz-QPSK-QPSK-18633-18750-1RB#0-0RB#0



13:21:00 24.02.2023

2-2-5MHz-20MHz-QPSK-QPSK-18633-18750-25RB#0-100RB#0



18:12:35 21.02.2023



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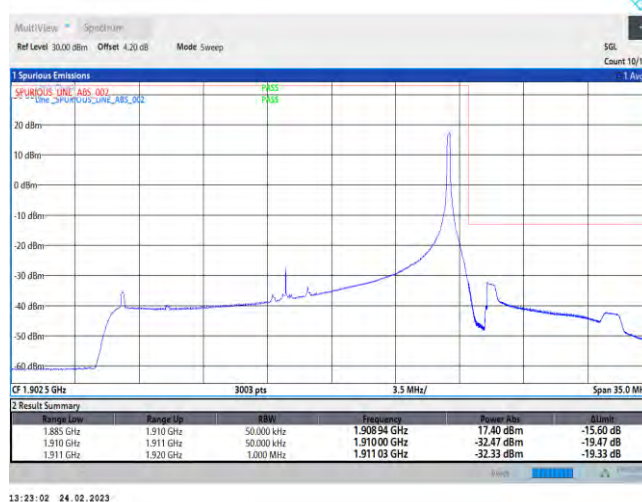
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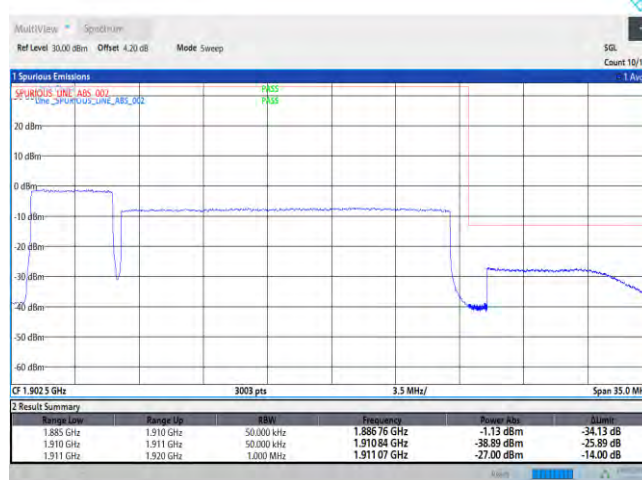
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2-2-5MHz-20MHz-QPSK-QPSK-18983-19100-0RB#0-1RB#99



13:23:02 24.02.2023

2-2-5MHz-20MHz-QPSK-QPSK-18983-19100-25RB#0-100RB#0



13:23:58 24.02.2023



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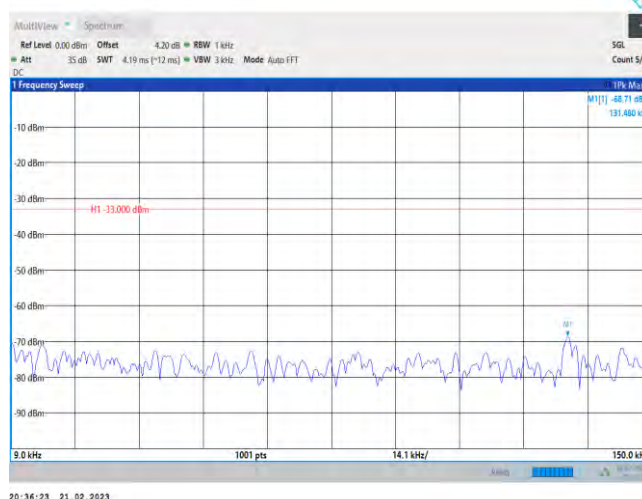
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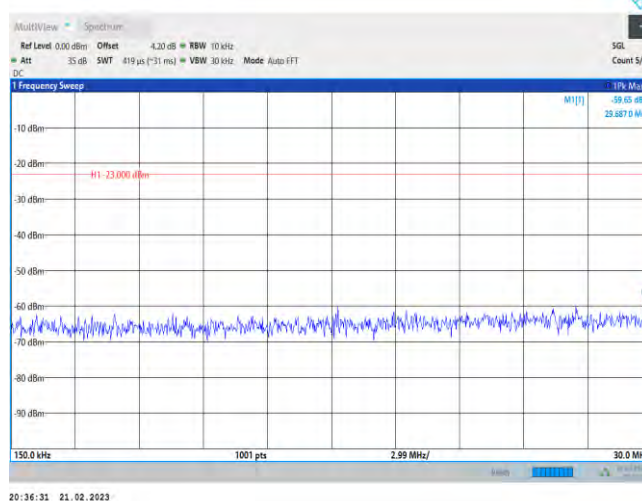
Conducted Spurious Emission

Test Graphs

2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-1RB#0-0RB#0-0.009~0.15MHz



2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-1RB#0-0RB#0-0.15~30MHz



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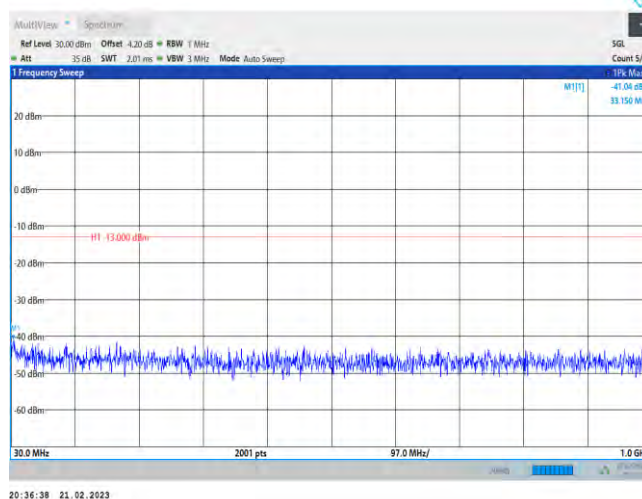
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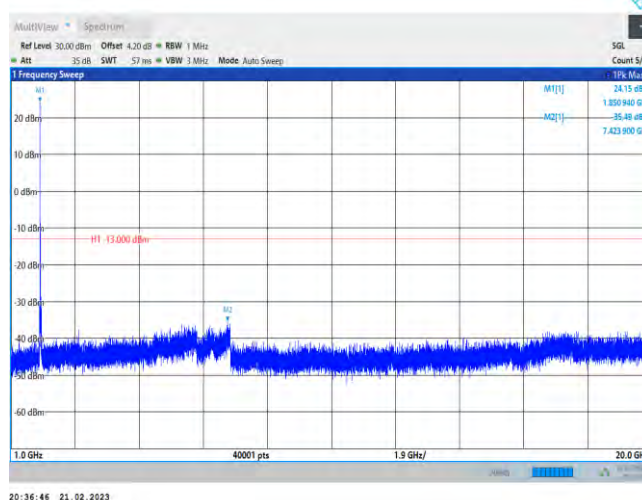
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2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-1RB#0-0RB#0-30~1000MHz



2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-1RB#0-0RB#0-1000~20000MHz



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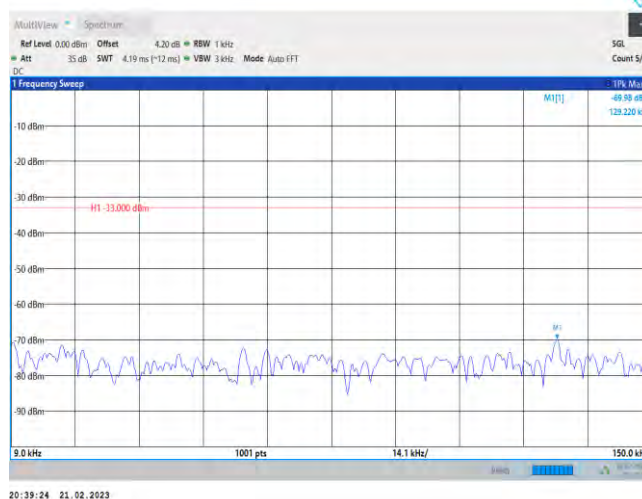
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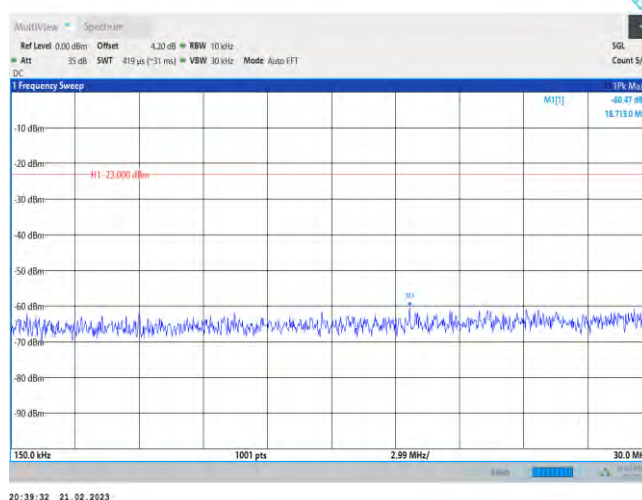
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2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-0.009~0.15MHz



2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-0.15~30MHz



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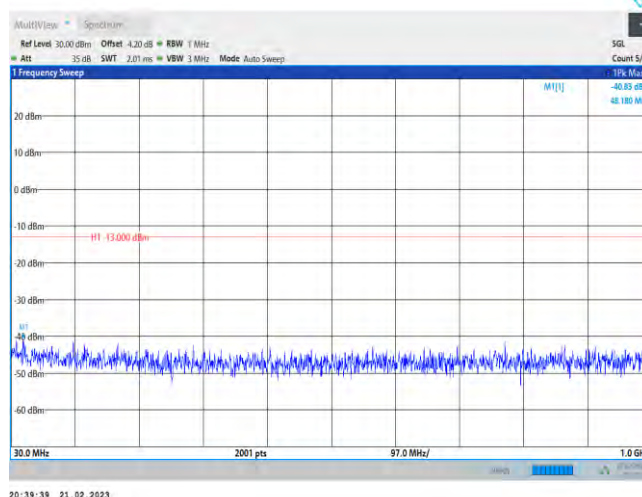
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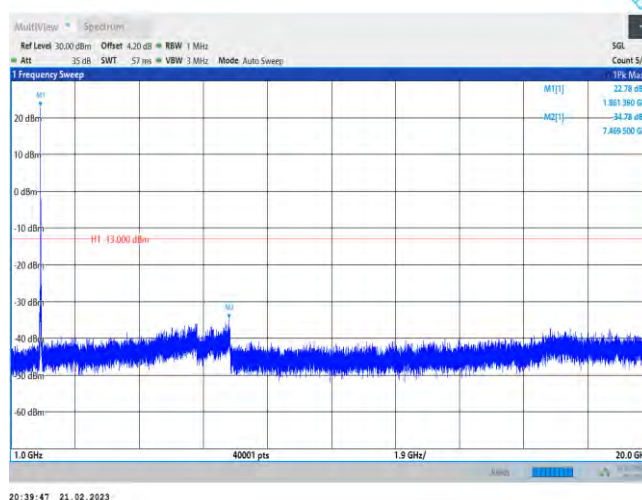
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2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-30~1000MHz



2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-1000~20000MHz



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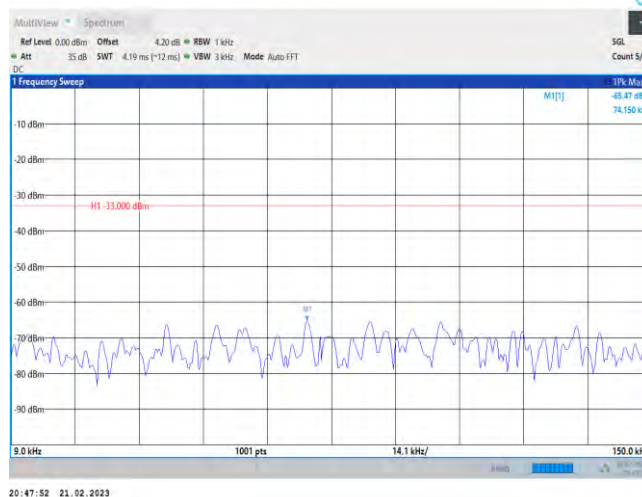
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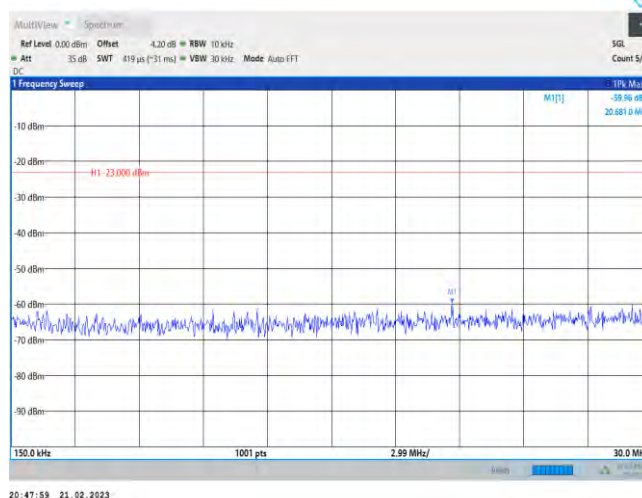
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-0.009~0.15MHz



2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-0.15~30MHz



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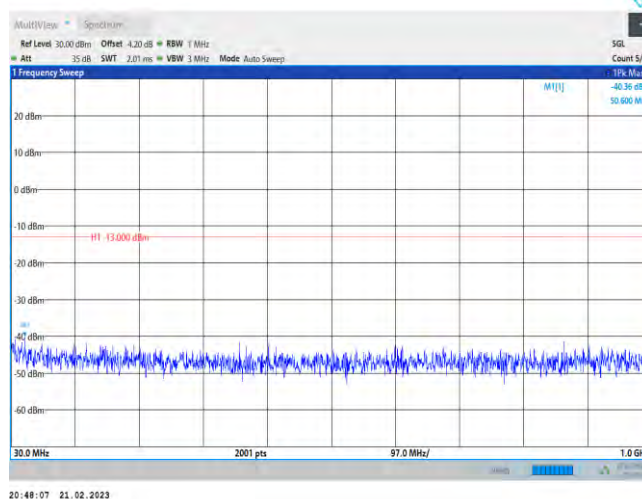
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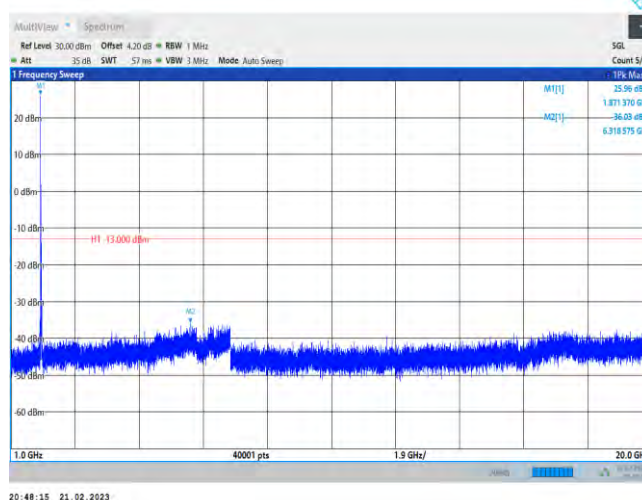
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-30~1000MHz



2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band2CA_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.83	-45.51	29.98	-69.96	-13.00	56.96	184	360	Horizontal
2	5553.2700	40.19	-45.15	32.97	-67.25	-13.00	54.25	152	196	Horizontal
3	7404.3600	38.74	-43.40	36.49	-63.43	-13.00	50.43	199	316	Horizontal
4	9255.4500	35.30	-40.23	38.38	-61.81	-13.00	48.81	205	286	Horizontal
5	11106.5400	31.27	-37.93	39.09	-62.83	-13.00	49.83	176	330	Horizontal
6	12957.6300	29.46	-37.24	39.79	-63.25	-13.00	50.25	285	75	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	3702.1800	40.17	-45.51	29.98	-70.62	-13.00	57.62	158	194	Vertical
2	5553.2700	39.69	-45.15	32.97	-67.75	-13.00	54.75	214	359	Vertical
3	7404.3600	38.57	-43.40	36.49	-63.60	-13.00	50.60	177	352	Vertical
4	9255.4500	35.64	-40.23	38.38	-61.47	-13.00	48.47	182	360	Vertical
5	11106.5400	30.97	-37.93	39.09	-63.13	-13.00	50.13	229	121	Vertical
6	12957.6300	30.25	-37.24	39.79	-62.46	-13.00	49.46	138	61	Vertical



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Test Band = LTE Band2CA_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3722.1800	39.72	-45.59	30.05	-71.08	-13.00	58.08	258	3	Horizontal
2	5583.2700	39.78	-45.10	33.00	-67.58	-13.00	54.58	203	176	Horizontal
3	7444.7600	38.95	-43.29	36.47	-63.13	-13.00	50.13	241	147	Horizontal
4	9305.9500	35.23	-40.20	38.42	-61.81	-13.00	48.81	274	360	Horizontal
5	11167.1400	33.34	-37.58	39.10	-60.40	-13.00	47.40	185	341	Horizontal
6	13028.3300	30.67	-37.23	39.84	-61.98	-13.00	48.98	165	102	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	3746.25	47.45	-45.69	30.14	-63.37	-13.00	50.37	193	106	Vertical
2	5583.2700	39.62	-45.10	33.00	-67.74	-13.00	54.74	258	46	Vertical
3	7444.7600	39.15	-43.29	36.47	-62.93	-13.00	49.93	247	138	Vertical
4	9305.9500	35.83	-40.20	38.42	-61.21	-13.00	48.21	184	287	Vertical
5	11167.1400	32.36	-37.58	39.10	-61.38	-13.00	48.38	155	78	Vertical
6	13028.3300	30.44	-37.23	39.84	-62.21	-13.00	49.21	216	287	Vertical



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Test Band = LTE Band2CA_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.5800	39.74	-45.68	30.13	-71.08	-13.00	58.08	266	104	Horizontal
2	5613.8700	39.86	-45.04	33.07	-67.37	-13.00	54.37	183	359	Horizontal
3	7485.1600	38.22	-43.18	36.45	-63.77	-13.00	50.77	269	269	Horizontal
4	9356.4500	34.97	-40.00	38.46	-61.83	-13.00	48.83	207	90	Horizontal
5	11227.7400	32.96	-37.40	39.11	-60.59	-13.00	47.59	189	60	Horizontal
6	13099.0300	30.89	-37.00	39.87	-61.50	-13.00	48.50	215	60	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	3742.5800	40.34	-45.68	30.13	-70.48	-13.00	57.48	199	118	Vertical
2	5613.8700	39.97	-45.04	33.07	-67.26	-13.00	54.26	233	225	Vertical
3	7485.1600	38.30	-43.18	36.45	-63.69	-13.00	50.69	258	179	Vertical
4	9356.4500	35.23	-40.00	38.46	-61.57	-13.00	48.57	246	165	Vertical
5	11227.7400	33.14	-37.40	39.11	-60.41	-13.00	47.41	188	102	Vertical
6	13099.0300	31.18	-37.00	39.87	-61.21	-13.00	48.21	147	225	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
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	VH	NT	-0.40	-0.000214	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	VL	NT	0.40	0.000214	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	VN	NT	-0.30	-0.000160	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	50	0.40	0.000214	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	40	0.00	0.000000	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	30	0.70	0.000374	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	20	0.60	0.000321	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	10	-0.50	-0.000267	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	0	-0.80	-0.000428	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	-10	-1.00	-0.000535	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	-20	-0.50	-0.000267	PASS
2-2	20MHz-20MHz	QPSK -QPSK	18801-18999	100RB#0-100RB#0	NV	-30	-0.20	-0.000107	PASS

---End of Attachment---



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