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# Appendix B.20

## 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	24.39	24.64	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18653-18773	50RB#0-75RB#0	21.38	21.63	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	1RB#0-0RB#0	24.61	24.86	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	21.78	22.03	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	1RB#0-0RB#0	24.67	24.92	33	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	21.58	21.83	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	1RB#0-0RB#0	22.79	23.04	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	20.37	20.62	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	1RB#0-0RB#0	23.1	23.35	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	20.82	21.07	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	1RB#0-0RB#0	23.18	23.43	33	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	20.6	20.85	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	1RB#0-0RB#0	21.45	21.7	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	50RB#0-75RB#0	19.48	19.73	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	1RB#0-0RB#0	22.1	22.35	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	50RB#0-75RB#0	19.87	20.12	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	1RB#0-0RB#0	22.23	22.48	33	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	50RB#0-75RB#0	19.65	19.9	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18653-18773	1RB#0-0RB#0	18.6	18.85	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18653-18773	50RB#0-75RB#0	18.59	18.84	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18829-18949	1RB#0-0RB#0	19.18	19.43	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18829-18949	50RB#0-75RB#0	19.01	19.26	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	19005-19125	1RB#0-0RB#0	19.24	19.49	33	PASS
2-2	10MHz-15MHz	256QAM-256QAM	19005-19125	50RB#0-75RB#0	18.74	18.99	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	1RB#0-0RB#0	24.15	24.4	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	21.27	21.52	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	1RB#0-0RB#0	24.19	24.44	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	21.64	21.89	33	PASS



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2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	1RB#0-0RB#0	24.36	24.61	33	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	21.45	21.7	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	1RB#0-0RB#0	22.56	22.81	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	20.26	20.51	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	1RB#0-0RB#0	22.85	23.1	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	20.65	20.9	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	1RB#0-0RB#0	22.96	23.21	33	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	20.54	20.79	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	1RB#0-0RB#0	21.38	21.63	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	50RB#0-100RB#0	19.34	19.59	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	1RB#0-0RB#0	21.79	22.04	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	50RB#0-100RB#0	19.73	19.98	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	1RB#0-0RB#0	21.9	22.15	33	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	50RB#0-100RB#0	19.75	20	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18655-18799	1RB#0-0RB#0	18.48	18.73	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18655-18799	50RB#0-100RB#0	18.44	18.69	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18806-18950	1RB#0-0RB#0	18.93	19.18	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18806-18950	50RB#0-100RB#0	18.92	19.17	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18956-19100	1RB#0-0RB#0	19.12	19.37	33	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18956-19100	50RB#0-100RB#0	18.71	18.96	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	1RB#0-0RB#0	24.77	25.02	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	21.38	21.63	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	1RB#0-0RB#0	24.64	24.89	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	21.81	22.06	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	1RB#0-0RB#0	24.33	24.58	33	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	21.28	21.53	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	1RB#0-0RB#0	22.97	23.22	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	20.36	20.61	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	1RB#0-0RB#0	23.05	23.3	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	20.81	21.06	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	1RB#0-0RB#0	22.99	23.24	33	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	20.37	20.62	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18675-18795	1RB#0-0RB#0	21.61	21.86	33	PASS



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2-2	15MHz-10MHz	64QAM-64QAM	18675-18795	75RB#0-50RB#0	19.38	19.63	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18851-18971	1RB#0-0RB#0	22.02	22.27	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	18851-18971	75RB#0-50RB#0	19.91	20.16	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	19027-19147	1RB#0-0RB#0	21.9	22.15	33	PASS
2-2	15MHz-10MHz	64QAM-64QAM	19027-19147	75RB#0-50RB#0	19.49	19.74	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	18675-18795	1RB#0-0RB#0	18.41	18.66	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	18675-18795	75RB#0-50RB#0	18.49	18.74	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	18851-18971	1RB#0-0RB#0	19.18	19.43	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	18851-18971	75RB#0-50RB#0	19.02	19.27	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	19027-19147	1RB#0-0RB#0	19.15	19.4	33	PASS
2-2	15MHz-10MHz	256QAM-256QAM	19027-19147	75RB#0-50RB#0	18.58	18.83	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	1RB#0-0RB#0	24.5	24.75	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18675-18825	75RB#0-75RB#0	21.53	21.78	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	1RB#0-0RB#0	24.86	25.11	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18825-18975	75RB#0-75RB#0	21.83	22.08	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	1RB#0-0RB#0	24.44	24.69	33	PASS
2-2	15MHz-15MHz	QPSK-QPSK	18975-19125	75RB#0-75RB#0	21.56	21.81	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	1RB#0-0RB#0	22.79	23.04	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18675-18825	75RB#0-75RB#0	20.57	20.82	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	1RB#0-0RB#0	23.21	23.46	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18825-18975	75RB#0-75RB#0	20.85	21.1	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18975-19125	1RB#0-0RB#0	23.03	23.28	33	PASS
2-2	15MHz-15MHz	16QAM-16QAM	18975-19125	75RB#0-75RB#0	20.59	20.84	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18675-18825	1RB#0-0RB#0	21.53	21.78	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18675-18825	75RB#0-75RB#0	19.67	19.92	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18825-18975	1RB#0-0RB#0	22.01	22.26	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18825-18975	75RB#0-75RB#0	19.94	20.19	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18975-19125	1RB#0-0RB#0	22	22.25	33	PASS
2-2	15MHz-15MHz	64QAM-64QAM	18975-19125	75RB#0-75RB#0	19.65	19.9	33	PASS
2-2	15MHz-15MHz	256QAM-256QAM	18675-18825	1RB#0-0RB#0	18.52	18.77	33	PASS
2-2	15MHz-15MHz	256QAM-256QAM	18675-18825	75RB#0-75RB#0	18.75	19	33	PASS
2-2	15MHz-15MHz	256QAM-256QAM	18825-18975	1RB#0-0RB#0	19.17	19.42	33	PASS
2-2	15MHz-15MHz	256QAM-256QAM	18825-18975	75RB#0-75RB#0	19.08	19.33	33	PASS



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2-2	15MHz-15MHz	256QAM-256QAM	18975-19125	1RB#0-0RB#0	19.29	19.54	33	PASS
2-2	15MHz-15MHz	256QAM-256QAM	18975-19125	75RB#0-75RB#0	18.79	19.04	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18678-18849	1RB#0-0RB#0	24.13	24.38	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18678-18849	75RB#0-100RB#0	21.49	21.74	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	1RB#0-0RB#0	24.37	24.62	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18803-18974	75RB#0-100RB#0	21.81	22.06	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18929-19100	1RB#0-0RB#0	24.91	25.16	33	PASS
2-2	15MHz-20MHz	QPSK-QPSK	18929-19100	75RB#0-100RB#0	21.62	21.87	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	1RB#0-0RB#0	22.64	22.89	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18678-18849	75RB#0-100RB#0	20.55	20.8	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	1RB#0-0RB#0	22.86	23.11	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18803-18974	75RB#0-100RB#0	20.87	21.12	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18929-19100	1RB#0-0RB#0	23.4	23.65	33	PASS
2-2	15MHz-20MHz	16QAM-16QAM	18929-19100	75RB#0-100RB#0	20.78	21.03	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18678-18849	1RB#0-0RB#0	21.48	21.73	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18678-18849	75RB#0-100RB#0	19.66	19.91	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18803-18974	1RB#0-0RB#0	21.83	22.08	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18803-18974	75RB#0-100RB#0	20.02	20.27	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18929-19100	1RB#0-0RB#0	22.13	22.38	33	PASS
2-2	15MHz-20MHz	64QAM-64QAM	18929-19100	75RB#0-100RB#0	19.87	20.12	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18678-18849	1RB#0-0RB#0	18.43	18.68	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18678-18849	75RB#0-100RB#0	18.77	19.02	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18803-18974	1RB#0-0RB#0	19.06	19.31	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18803-18974	75RB#0-100RB#0	19.04	19.29	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18929-19100	1RB#0-0RB#0	19.23	19.48	33	PASS
2-2	15MHz-20MHz	256QAM-256QAM	18929-19100	75RB#0-100RB#0	18.93	19.18	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	100RB#0-50RB#0	21.55	21.8	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18700-18844	1RB#0-0RB#0	24.32	24.57	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	100RB#0-50RB#0	21.73	21.98	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	18851-18995	1RB#0-0RB#0	24.52	24.77	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	100RB#0-50RB#0	21.3	21.55	33	PASS
2-2	20MHz-10MHz	QPSK-QPSK	19001-19145	1RB#0-0RB#0	22.73	22.98	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	100RB#0-50RB#0	20.55	20.8	33	PASS



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2-2	20MHz-10MHz	16QAM-16QAM	18700-18844	1RB#0-0RB#0	22.62	22.87	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	100RB#0-50RB#0	20.67	20.92	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	18851-18995	1RB#0-0RB#0	22.94	23.19	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	100RB#0-50RB#0	20.28	20.53	33	PASS
2-2	20MHz-10MHz	16QAM-16QAM	19001-19145	1RB#0-0RB#0	23.19	23.44	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18700-18844	100RB#0-50RB#0	19.63	19.88	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18700-18844	1RB#0-0RB#0	21.41	21.66	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18851-18995	100RB#0-50RB#0	19.73	19.98	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	18851-18995	1RB#0-0RB#0	21.95	22.2	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	19001-19145	100RB#0-50RB#0	19.44	19.69	33	PASS
2-2	20MHz-10MHz	64QAM-64QAM	19001-19145	1RB#0-0RB#0	21.85	22.1	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	18700-18844	100RB#0-50RB#0	18.72	18.97	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	18700-18844	1RB#0-0RB#0	18.47	18.72	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	18851-18995	100RB#0-50RB#0	18.83	19.08	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	18851-18995	1RB#0-0RB#0	19.11	19.36	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	19001-19145	100RB#0-50RB#0	18.47	18.72	33	PASS
2-2	20MHz-10MHz	256QAM-256QAM	19001-19145	1RB#0-0RB#0	19.17	19.42	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	100RB#0-75RB#0	21.69	21.94	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18700-18871	1RB#0-0RB#0	24.16	24.41	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	100RB#0-75RB#0	21.86	22.11	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18826-18997	1RB#0-0RB#0	24.62	24.87	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	100RB#0-75RB#0	21.6	21.85	33	PASS
2-2	20MHz-15MHz	QPSK-QPSK	18951-19122	1RB#0-0RB#0	24.46	24.71	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	100RB#0-75RB#0	20.64	20.89	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18700-18871	1RB#0-0RB#0	22.5	22.75	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	100RB#0-75RB#0	20.87	21.12	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18826-18997	1RB#0-0RB#0	23.02	23.27	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	100RB#0-75RB#0	20.7	20.95	33	PASS
2-2	20MHz-15MHz	16QAM-16QAM	18951-19122	1RB#0-0RB#0	23.1	23.35	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18700-18871	100RB#0-75RB#0	19.73	19.98	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18700-18871	1RB#0-0RB#0	21.49	21.74	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18826-18997	100RB#0-75RB#0	19.98	20.23	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18826-18997	1RB#0-0RB#0	21.91	22.16	33	PASS



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2-2	20MHz-15MHz	64QAM-64QAM	18951-19122	100RB#0-75RB#0	19.75	20	33	PASS
2-2	20MHz-15MHz	64QAM-64QAM	18951-19122	1RB#0-0RB#0	22.07	22.32	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18700-18871	100RB#0-75RB#0	18.84	19.09	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18700-18871	1RB#0-0RB#0	18.67	18.92	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18826-18997	100RB#0-75RB#0	19.07	19.32	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18826-18997	1RB#0-0RB#0	19.23	19.48	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18951-19122	100RB#0-75RB#0	18.88	19.13	33	PASS
2-2	20MHz-15MHz	256QAM-256QAM	18951-19122	1RB#0-0RB#0	19.36	19.61	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	100RB#0-100RB#0	21.62	21.87	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18700-18898	1RB#0-0RB#0	24.41	24.66	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	21.76	22.01	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	1RB#0-0RB#0	24.61	24.86	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	21.74	21.99	33	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	1RB#0-0RB#0	24.09	24.34	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	20.65	20.9	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	1RB#0-0RB#0	22.77	23.02	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	20.8	21.05	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	1RB#0-0RB#0	22.94	23.19	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	20.8	21.05	33	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	1RB#0-0RB#0	23.28	23.53	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	100RB#0-100RB#0	19.74	19.99	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	1RB#0-0RB#0	21.43	21.68	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	19.86	20.11	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	1RB#0-0RB#0	21.85	22.1	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	100RB#0-100RB#0	19.91	20.16	33	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	1RB#0-0RB#0	22.13	22.38	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18700-18898	100RB#0-100RB#0	18.86	19.11	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18700-18898	1RB#0-0RB#0	18.59	18.84	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18801-18999	100RB#0-100RB#0	19.04	19.29	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18801-18999	1RB#0-0RB#0	18.94	19.19	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18902-19100	100RB#0-100RB#0	18.93	19.18	33	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18902-19100	1RB#0-0RB#0	19.33	19.58	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	100RB#0-25RB#0	21.69	21.94	33	PASS



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2-2	20MHz-5MHz	QPSK-QPSK	18700-18817	1RB#0-0RB#0	24.36	24.61	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	100RB#0-25RB#0	21.88	22.13	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	18875-18992	1RB#0-0RB#0	24.73	24.98	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	100RB#0-25RB#0	21.29	21.54	33	PASS
2-2	20MHz-5MHz	QPSK-QPSK	19050-19167	1RB#0-0RB#0	24.54	24.79	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	100RB#0-25RB#0	20.66	20.91	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18700-18817	1RB#0-0RB#0	22.76	23.01	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	100RB#0-25RB#0	20.87	21.12	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	18875-18992	1RB#0-0RB#0	23.18	23.43	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	100RB#0-25RB#0	20.32	20.57	33	PASS
2-2	20MHz-5MHz	16QAM-16QAM	19050-19167	1RB#0-0RB#0	22.92	23.17	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18700-18817	100RB#0-25RB#0	19.73	19.98	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18700-18817	1RB#0-0RB#0	21.45	21.7	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18875-18992	100RB#0-25RB#0	19.95	20.2	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	18875-18992	1RB#0-0RB#0	21.95	22.2	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	19050-19167	100RB#0-25RB#0	19.37	19.62	33	PASS
2-2	20MHz-5MHz	64QAM-64QAM	19050-19167	1RB#0-0RB#0	22.04	22.29	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	18700-18817	100RB#0-25RB#0	18.84	19.09	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	18700-18817	1RB#0-0RB#0	18.67	18.92	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	18875-18992	100RB#0-25RB#0	19.11	19.36	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	18875-18992	1RB#0-0RB#0	19.23	19.48	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	19050-19167	100RB#0-25RB#0	18.55	18.8	33	PASS
2-2	20MHz-5MHz	256QAM-256QAM	19050-19167	1RB#0-0RB#0	19.25	19.5	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	1RB#0-0RB#0	24.09	24.34	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	21.18	21.43	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	1RB#0-0RB#0	24.45	24.7	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	21.73	21.98	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	1RB#0-0RB#0	24.47	24.72	33	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	21.47	21.72	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	1RB#0-0RB#0	22.54	22.79	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	20.17	20.42	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	1RB#0-0RB#0	23.19	23.44	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	20.74	20.99	33	PASS



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2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	1RB#0-0RB#0	23.11	23.36	33	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	20.53	20.78	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	1RB#0-0RB#0	21.5	21.75	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	25RB#0-100RB#0	19.29	19.54	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	1RB#0-0RB#0	21.84	22.09	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	25RB#0-100RB#0	19.82	20.07	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	1RB#0-0RB#0	21.9	22.15	33	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	25RB#0-100RB#0	19.63	19.88	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18633-18750	1RB#0-0RB#0	18.54	18.79	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18633-18750	25RB#0-100RB#0	18.46	18.71	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18808-18925	1RB#0-0RB#0	19.15	19.4	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18808-18925	25RB#0-100RB#0	18.94	19.19	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18983-19100	1RB#0-0RB#0	19.19	19.44	33	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18983-19100	25RB#0-100RB#0	18.75	19	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	8.22	13	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	8.22	13	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18902-19100	100RB#0-100RB#0	8.24	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18700-18898	100RB#0-100RB#0	8.26	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18801-18999	100RB#0-100RB#0	8.30	13	PASS
2-2	20MHz-20MHz	16QAM-16QAM	18902-19100	100RB#0-100RB#0	8.26	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18700-18898	100RB#0-100RB#0	8.44	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18801-18999	100RB#0-100RB#0	8.28	13	PASS
2-2	20MHz-20MHz	64QAM-64QAM	18902-19100	100RB#0-100RB#0	8.34	13	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18700-18898	100RB#0-100RB#0	8.30	13	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18801-18999	100RB#0-100RB#0	8.28	13	PASS
2-2	20MHz-20MHz	256QAM-256QAM	18902-19100	100RB#0-100RB#0	8.30	13	PASS



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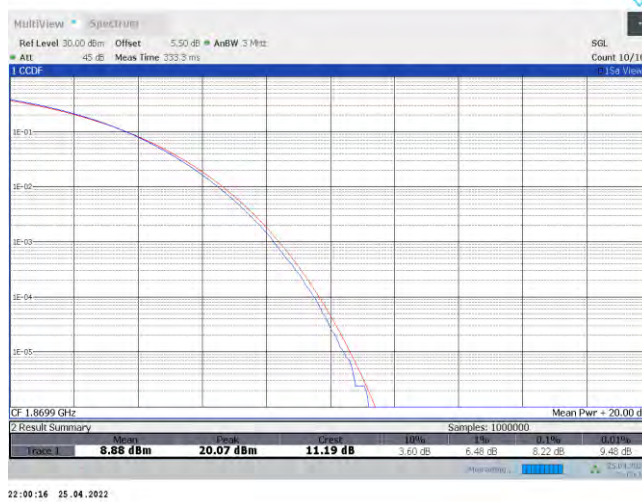
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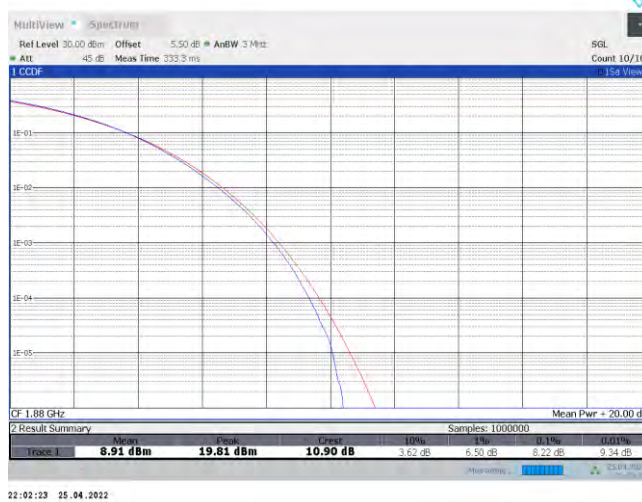
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Test Graphs

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



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



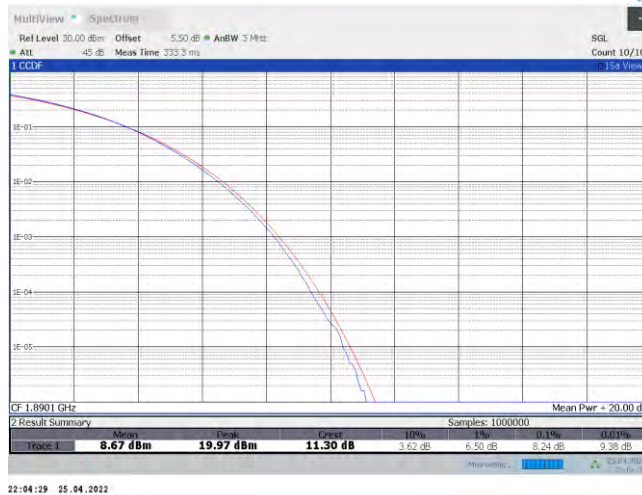
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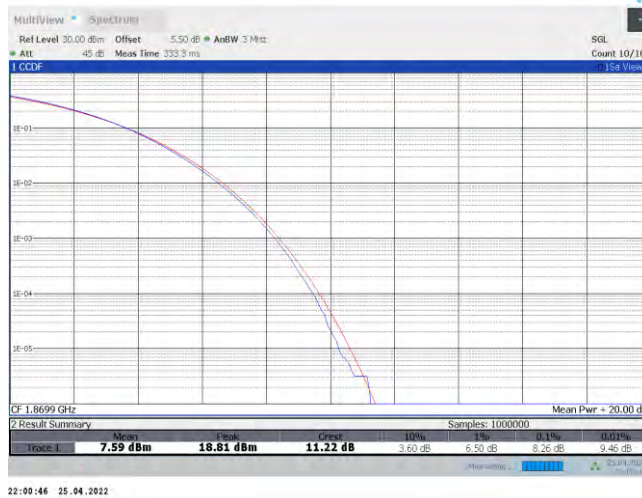
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



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

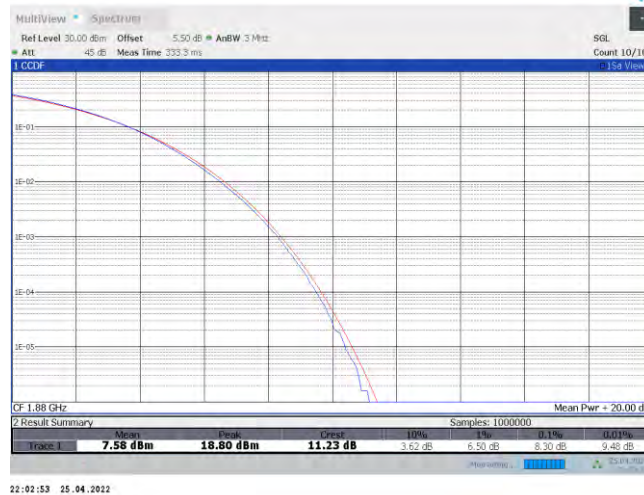


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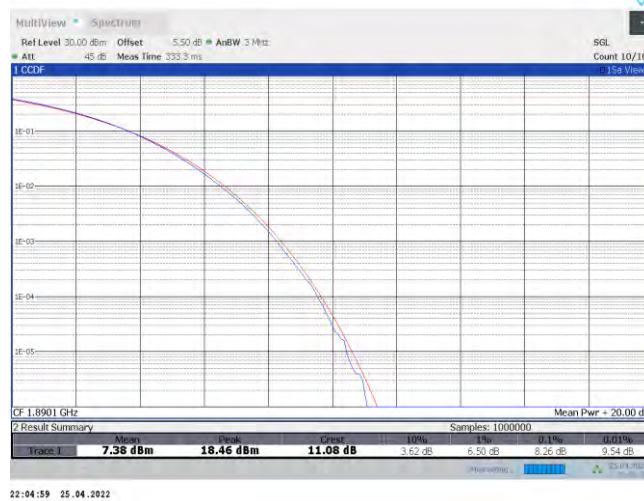
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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



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



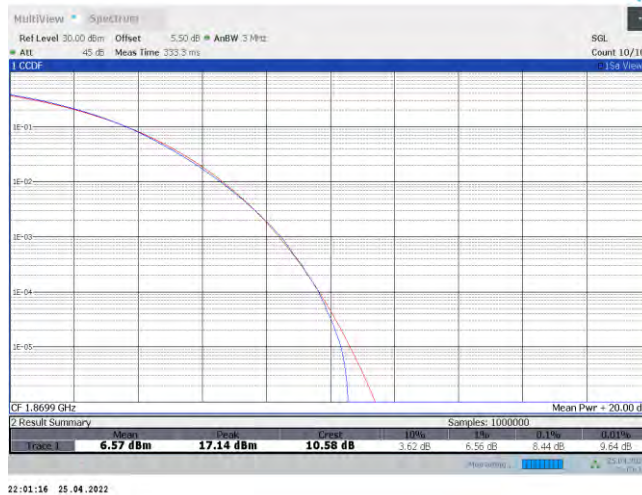
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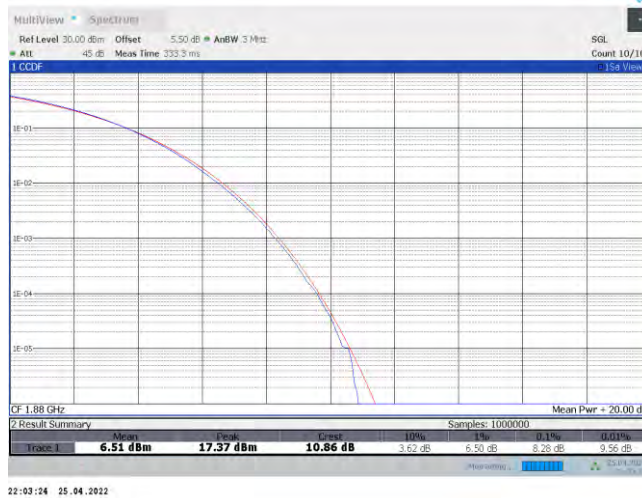
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2-2-20MHz-20MHz-64QAM-64QAM-18700-18898-100RB#0-100RB#0



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



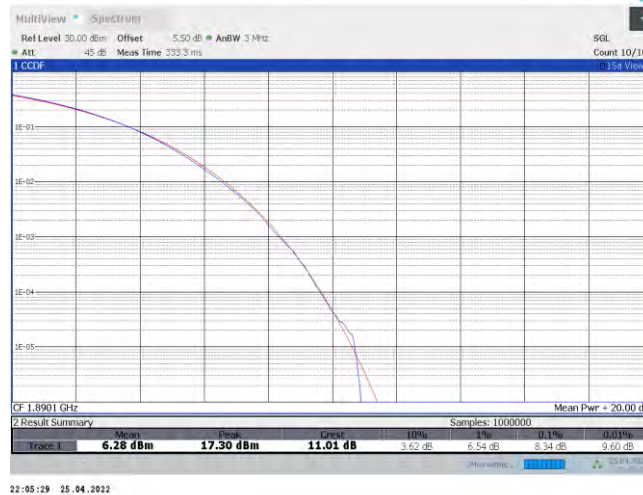
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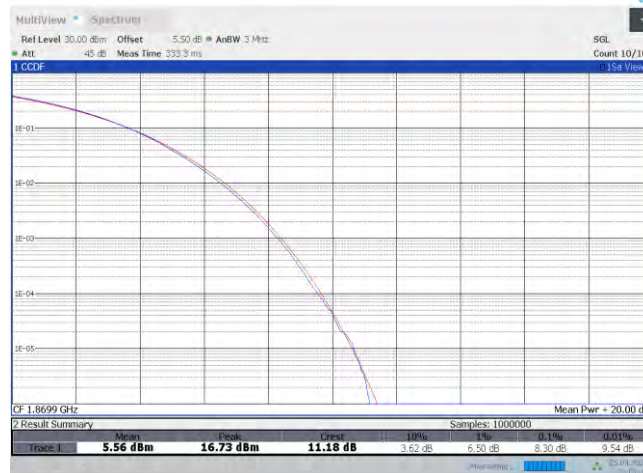


2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



22:05:29 25.04.2022

2-2-20MHz-20MHz-256QAM-256QAM-18700-18898-100RB#0-100RB#0



22:01:46 25.04.2022



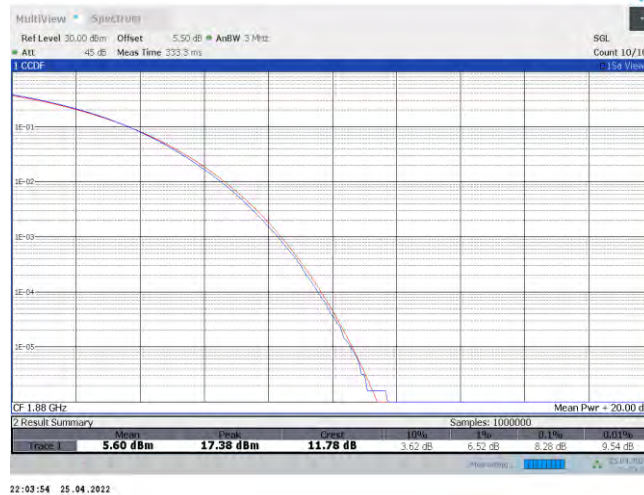
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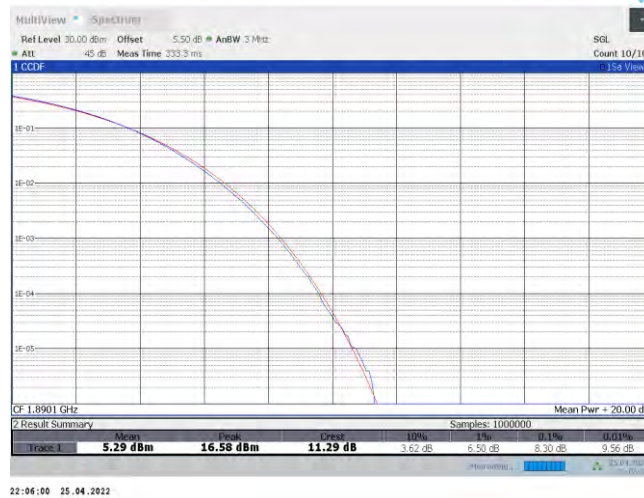
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2-2-20MHz-20MHz-256QAM-256QAM-18801-18999-100RB#0-100RB#0



2-2-20MHz-20MHz-256QAM-256QAM-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
2-2	20MHz-20MHz	256QAM-256QAM	18801-18999	100RB#0-100RB#0	8.28	PASS

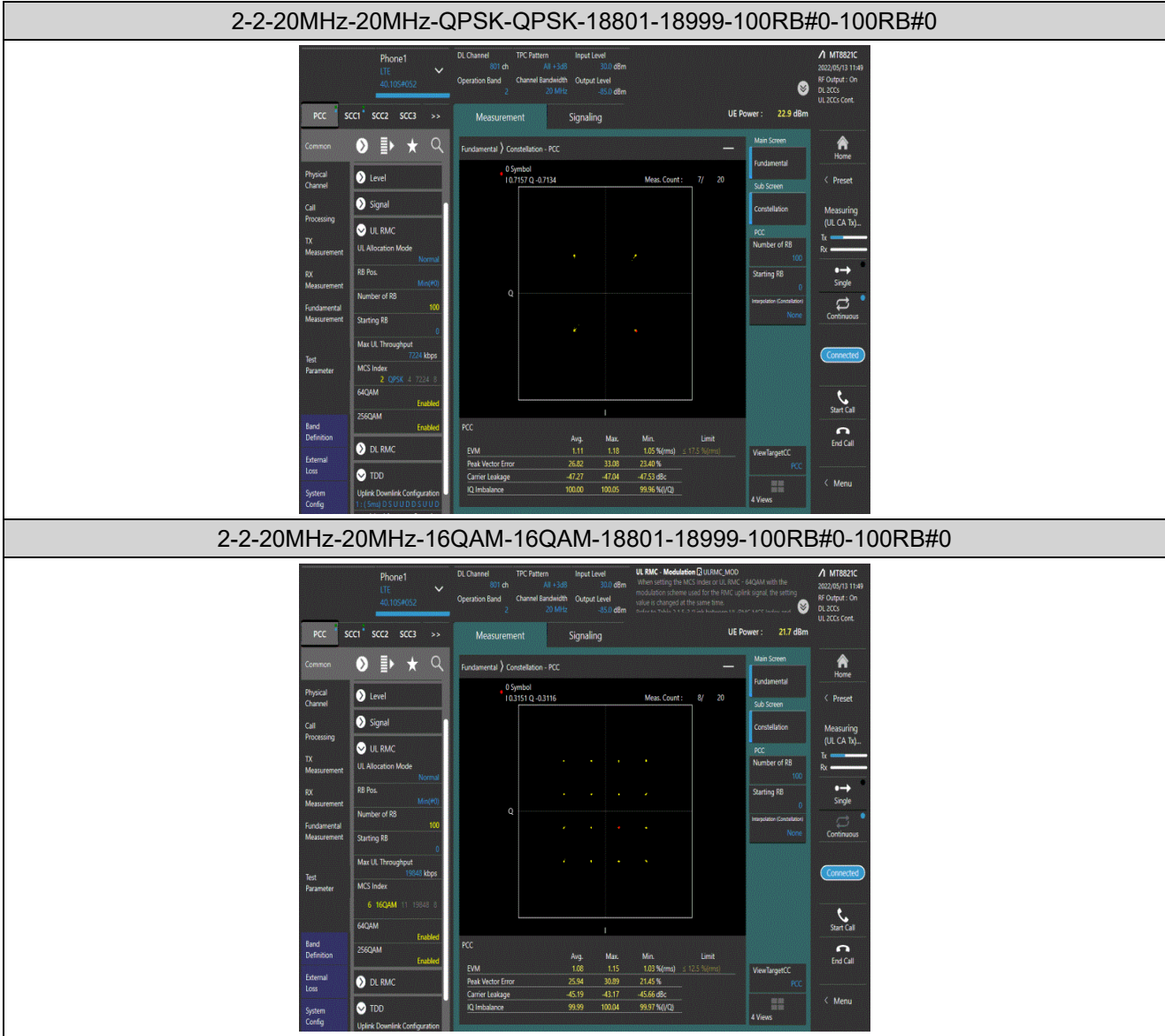


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### Test Graphs

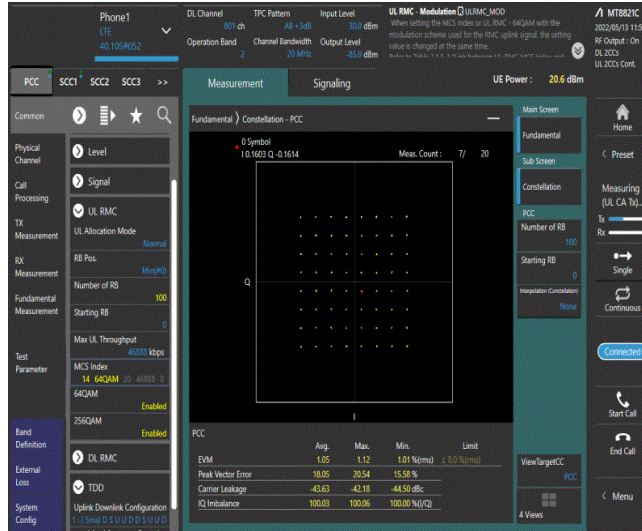


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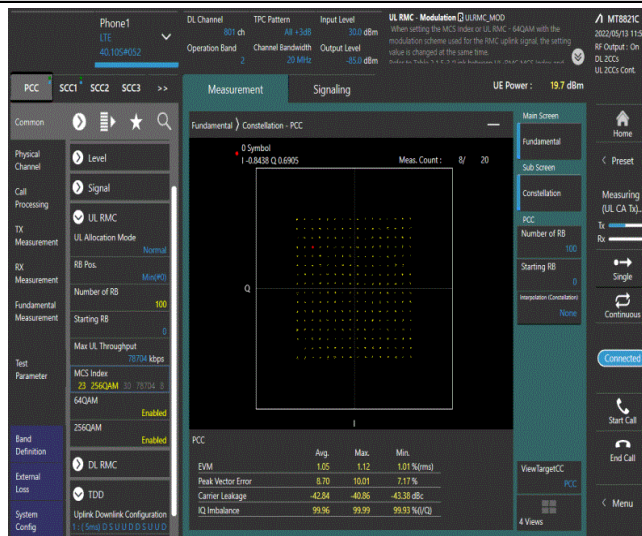
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2-2-20MHz-20MHz-256QAM-256QAM-18801-18999-100RB#0-100RB#0



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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	23.040	24.30	PASS
2-2	10MHz-15MHz	QPSK-QPSK	18829-18949	50RB#0-75RB#0	23.128	24.45	PASS
2-2	10MHz-15MHz	QPSK-QPSK	19005-19125	50RB#0-75RB#0	23.169	24.45	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18653-18773	50RB#0-75RB#0	23.142	24.45	PASS
2-2	10MHz-15MHz	16QAM-16QAM	18829-18949	50RB#0-75RB#0	23.116	24.45	PASS
2-2	10MHz-15MHz	16QAM-16QAM	19005-19125	50RB#0-75RB#0	23.126	24.45	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18653-18773	50RB#0-75RB#0	23.157	24.45	PASS
2-2	10MHz-15MHz	64QAM-64QAM	18829-18949	50RB#0-75RB#0	23.132	24.45	PASS
2-2	10MHz-15MHz	64QAM-64QAM	19005-19125	50RB#0-75RB#0	23.121	24.45	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18653-18773	50RB#0-75RB#0	23.149	24.50	PASS
2-2	10MHz-15MHz	256QAM-256QAM	18829-18949	50RB#0-75RB#0	23.143	24.45	PASS
2-2	10MHz-15MHz	256QAM-256QAM	19005-19125	50RB#0-75RB#0	23.134	24.45	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18655-18799	50RB#0-100RB#0	27.508	29.04	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18806-18950	50RB#0-100RB#0	27.706	29.10	PASS
2-2	10MHz-20MHz	QPSK-QPSK	18956-19100	50RB#0-100RB#0	27.698	29.10	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18655-18799	50RB#0-100RB#0	27.725	29.10	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18806-18950	50RB#0-100RB#0	27.694	29.10	PASS
2-2	10MHz-20MHz	16QAM-16QAM	18956-19100	50RB#0-100RB#0	27.675	29.10	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18655-18799	50RB#0-100RB#0	27.755	29.10	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18806-18950	50RB#0-100RB#0	27.708	29.10	PASS
2-2	10MHz-20MHz	64QAM-64QAM	18956-19100	50RB#0-100RB#0	27.687	29.04	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18655-18799	50RB#0-100RB#0	27.729	29.10	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18806-18950	50RB#0-100RB#0	27.721	29.10	PASS
2-2	10MHz-20MHz	256QAM-256QAM	18956-19100	50RB#0-100RB#0	27.707	29.10	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18675-18795	75RB#0-50RB#0	23.069	24.55	PASS
2-2	15MHz-10MHz	QPSK-QPSK	18851-18971	75RB#0-50RB#0	23.166	24.50	PASS
2-2	15MHz-10MHz	QPSK-QPSK	19027-19147	75RB#0-50RB#0	23.167	24.50	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18675-18795	75RB#0-50RB#0	23.164	24.50	PASS
2-2	15MHz-10MHz	16QAM-16QAM	18851-18971	75RB#0-50RB#0	23.160	24.50	PASS
2-2	15MHz-10MHz	16QAM-16QAM	19027-19147	75RB#0-50RB#0	23.178	24.50	PASS



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Table with 8 columns: Test ID, Frequency, Modulation, Standard, Reference, Result 1, Result 2, Pass/Fail. Contains 48 rows of test data.



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Report No.: SEWA2204000008RG01

Rev.: 01

Page: 22 of 113

Table with 8 columns: Test ID, Frequency, Modulation, Standard, Equipment, Pass/Fail, Margin, and Result. Contains 50 rows of test data.



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Report No.: SEWA2204000008RG01

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2-2	20MHz-5MHz	256QAM-256QAM	18875-18992	100RB#0-25RB#0	22.959	24.15	PASS
2-2	20MHz-5MHz	256QAM-256QAM	19050-19167	100RB#0-25RB#0	22.947	24.20	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18633-18750	25RB#0-100RB#0	22.845	24.15	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18808-18925	25RB#0-100RB#0	22.860	24.00	PASS
2-2	5MHz-20MHz	QPSK-QPSK	18983-19100	25RB#0-100RB#0	22.855	24.10	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18633-18750	25RB#0-100RB#0	22.879	24.05	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18808-18925	25RB#0-100RB#0	22.846	24.05	PASS
2-2	5MHz-20MHz	16QAM-16QAM	18983-19100	25RB#0-100RB#0	22.846	24.10	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18633-18750	25RB#0-100RB#0	22.890	24.10	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18808-18925	25RB#0-100RB#0	22.860	24.05	PASS
2-2	5MHz-20MHz	64QAM-64QAM	18983-19100	25RB#0-100RB#0	22.839	24.05	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18633-18750	25RB#0-100RB#0	22.898	24.05	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18808-18925	25RB#0-100RB#0	22.867	24.10	PASS
2-2	5MHz-20MHz	256QAM-256QAM	18983-19100	25RB#0-100RB#0	22.838	24.05	PASS



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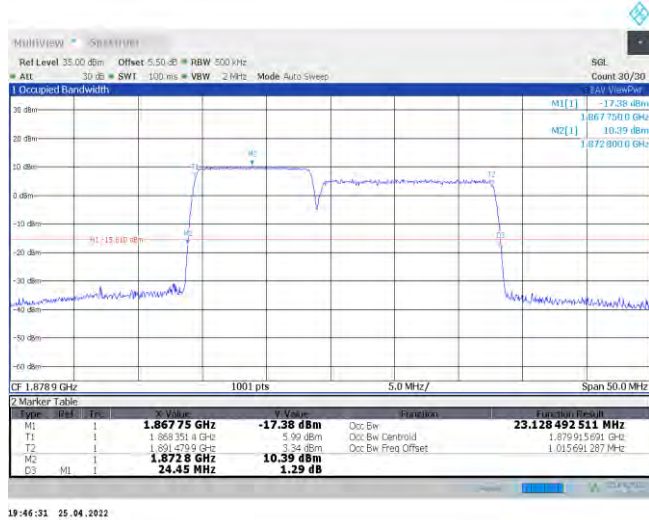


Test Graphs

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



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

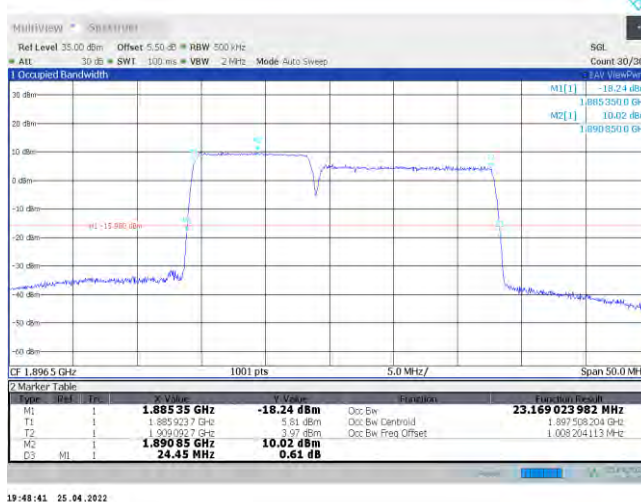


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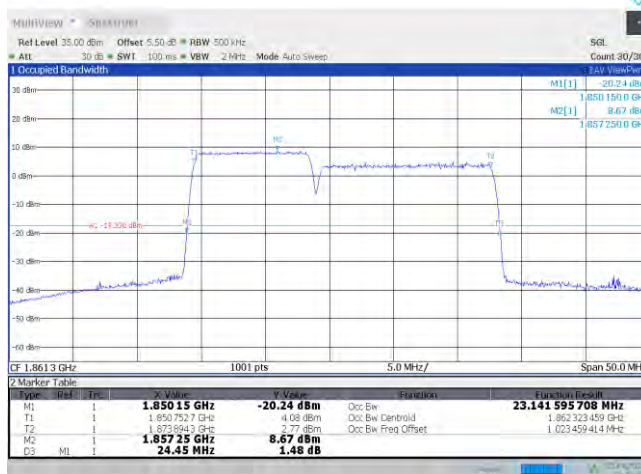
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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-50RB#0-75RB#0



19:48:41 25.04.2022

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



19:44:52 25.04.2022



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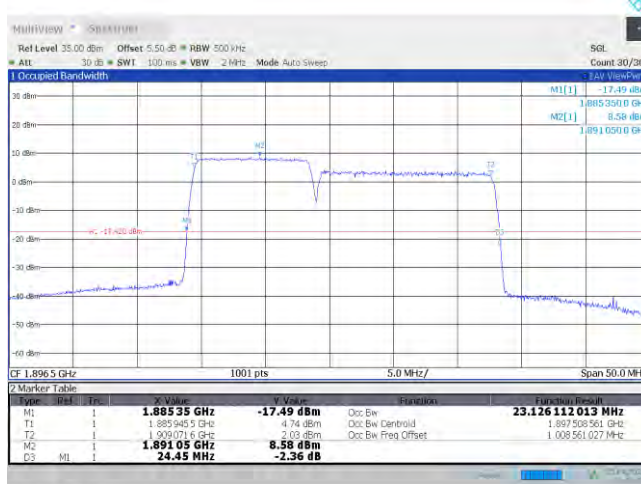
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2-2-10MHz-15MHz-16QAM-16QAM-18829-18949-50RB#0-75RB#0



19:47:02 25.04.2022

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



19:49:11 25.04.2022

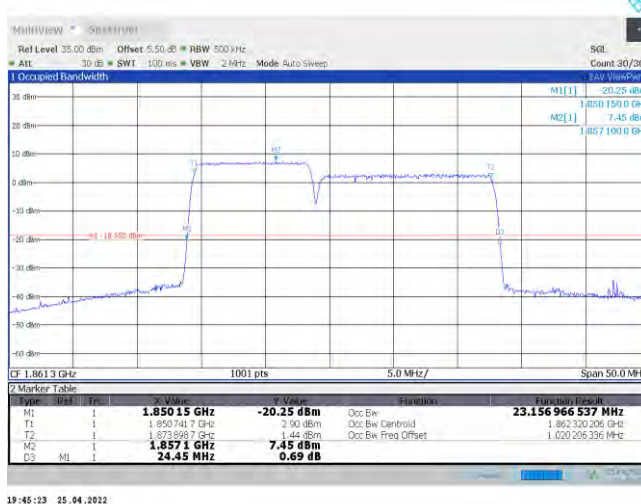


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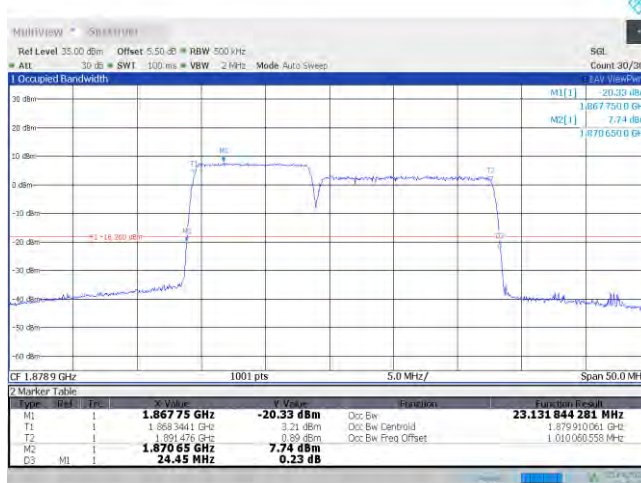


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19:45:23 25.04.2022

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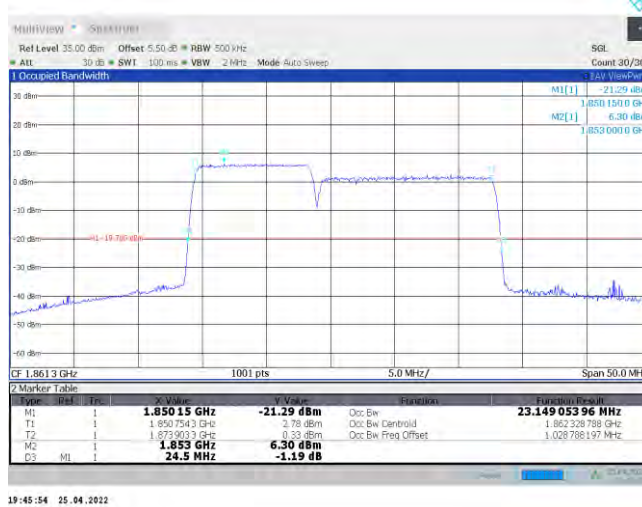


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2-2-10MHz-15MHz-64QAM-64QAM-19005-19125-50RB#0-75RB#0



2-2-10MHz-15MHz-256QAM-256QAM-18653-18773-50RB#0-75RB#0

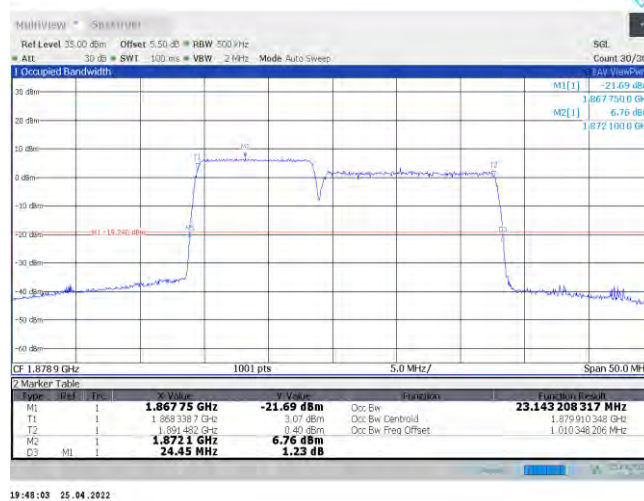


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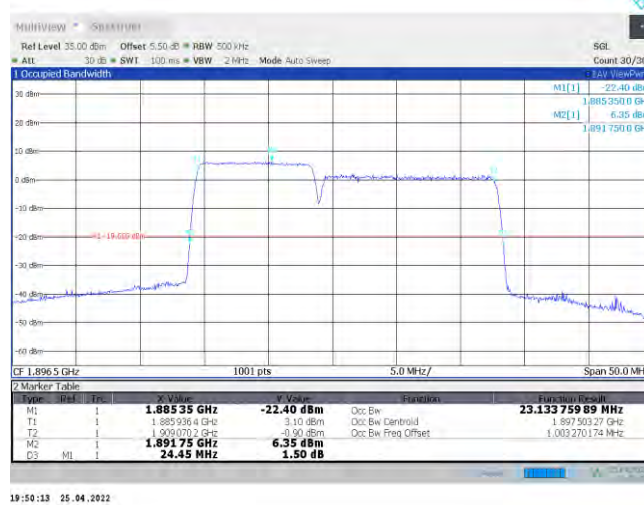
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2-2-10MHz-15MHz-256QAM-256QAM-19005-19125-50RB#0-75RB#0

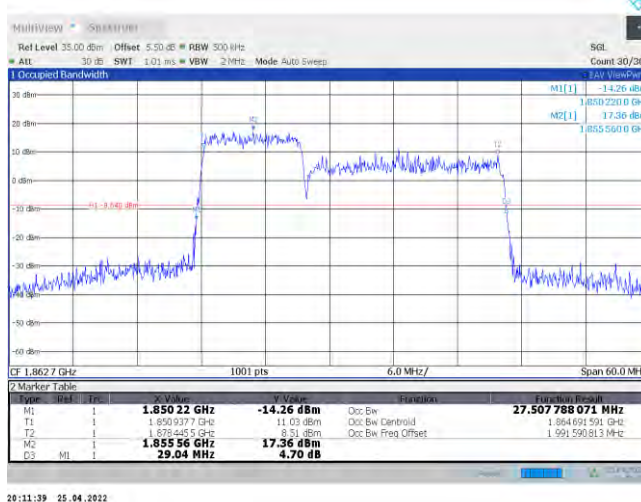


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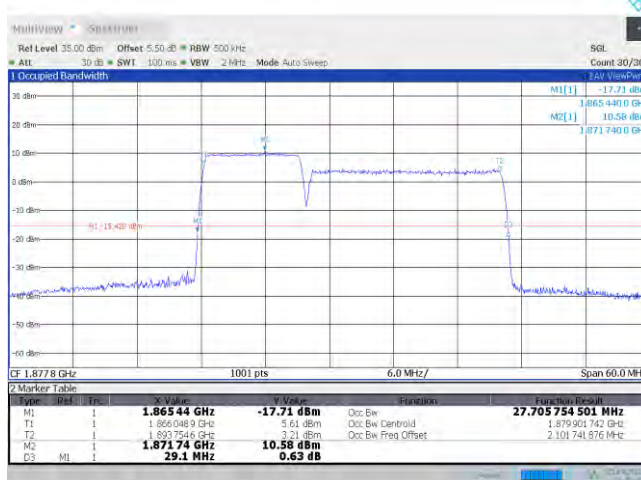


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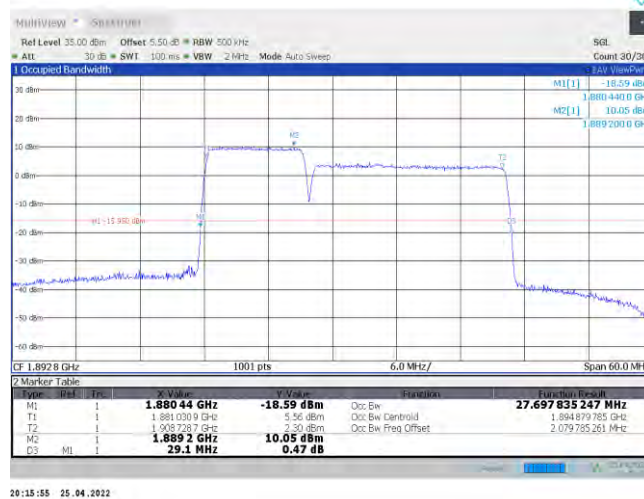
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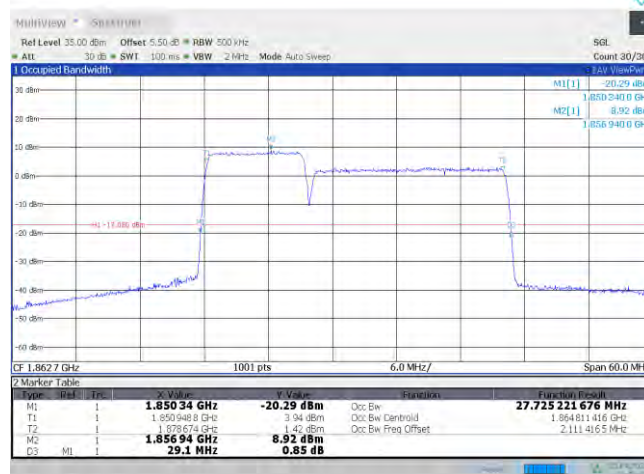
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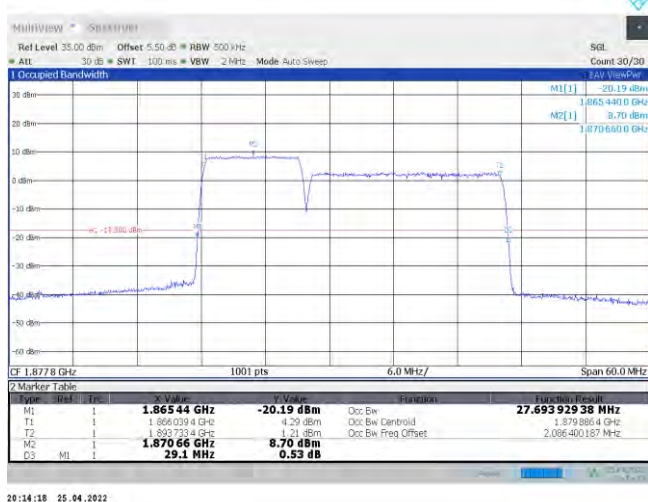


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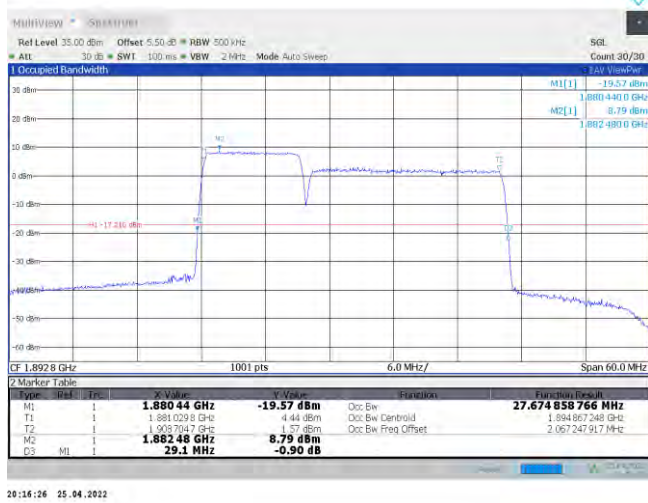
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2-2-10MHz-20MHz-16QAM-16QAM-18806-18950-50RB#0-100RB#0



20:14:18 25.04.2022

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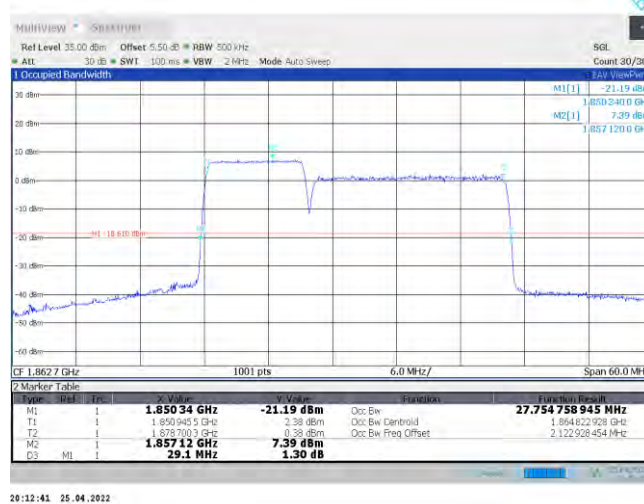


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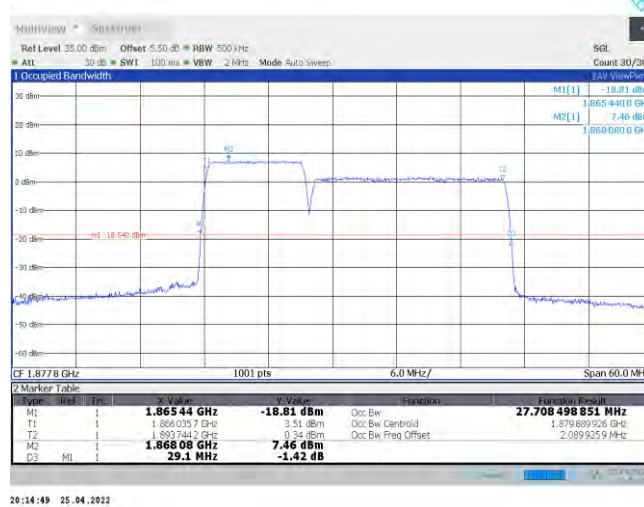
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2-2-10MHz-20MHz-64QAM-64QAM-18806-18950-50RB#0-100RB#0

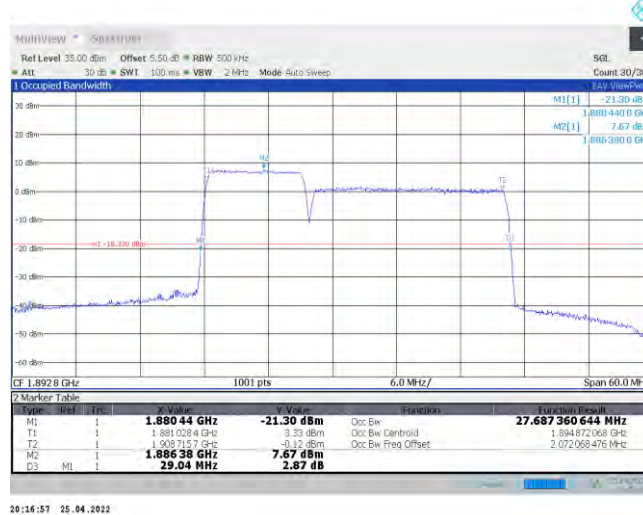


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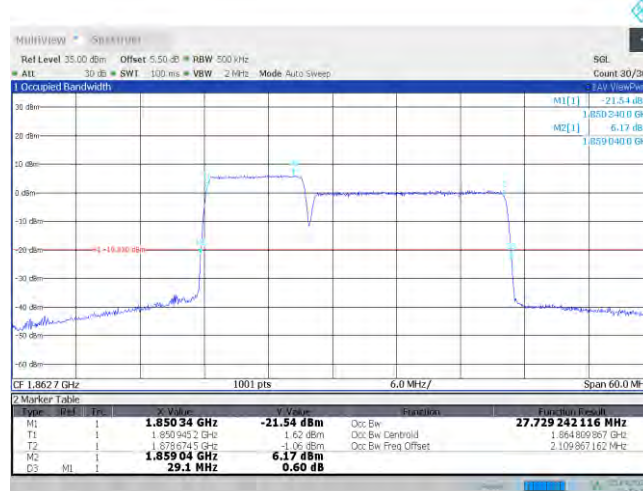
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2-2-10MHz-20MHz-64QAM-64QAM-18956-19100-50RB#0-100RB#0



20:14:57 25.04.2022

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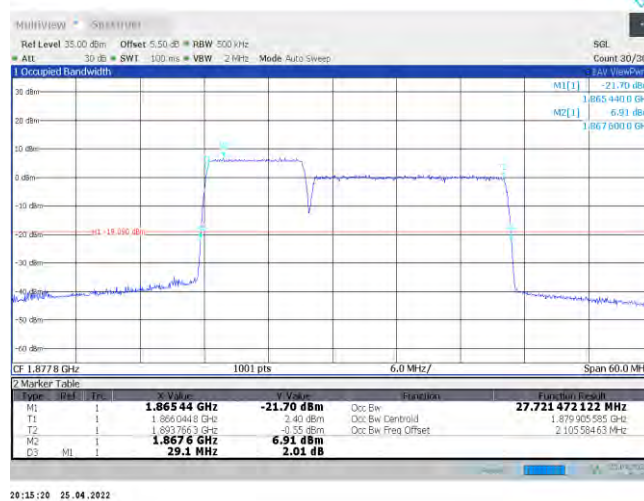


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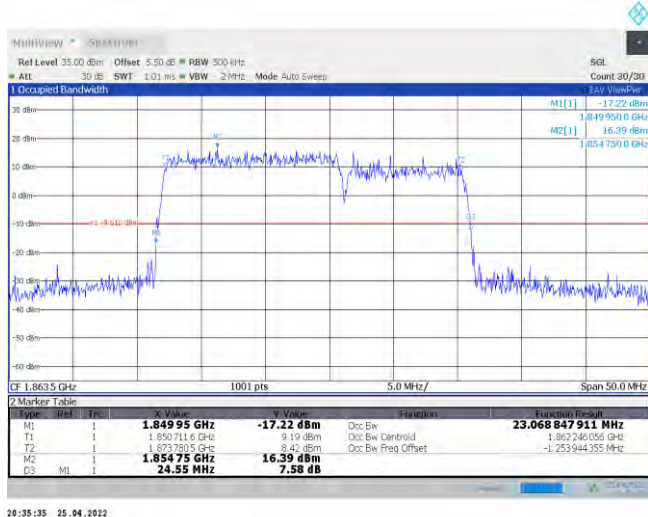
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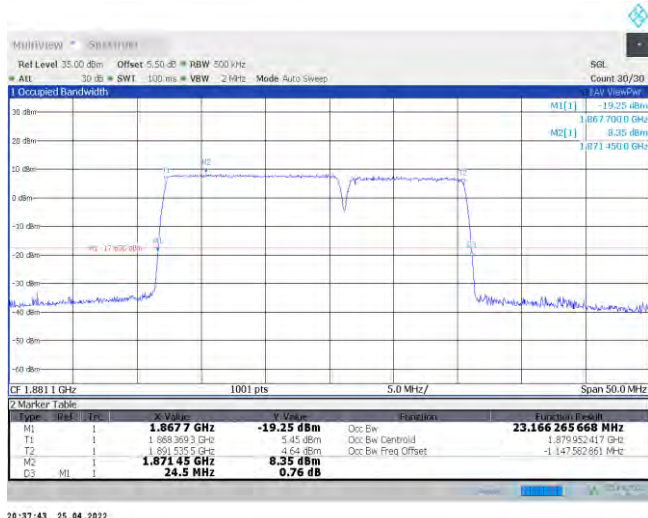
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2-2-15MHz-10MHz-QPSK-QPSK-18675-18795-75RB#0-50RB#0



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

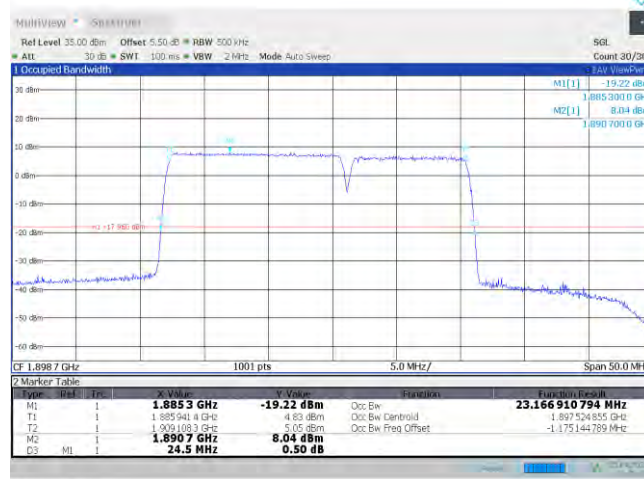


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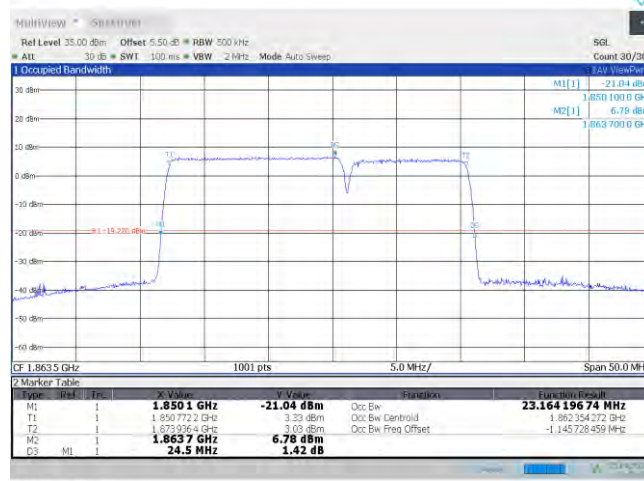
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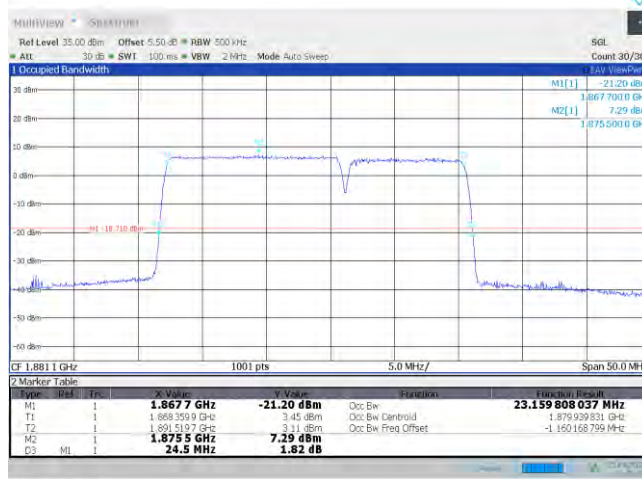


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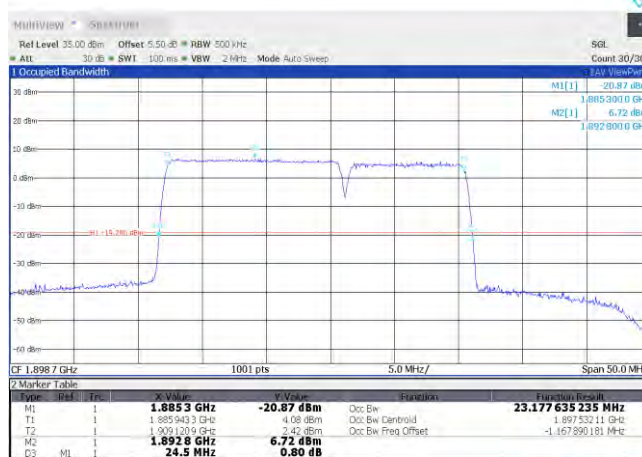
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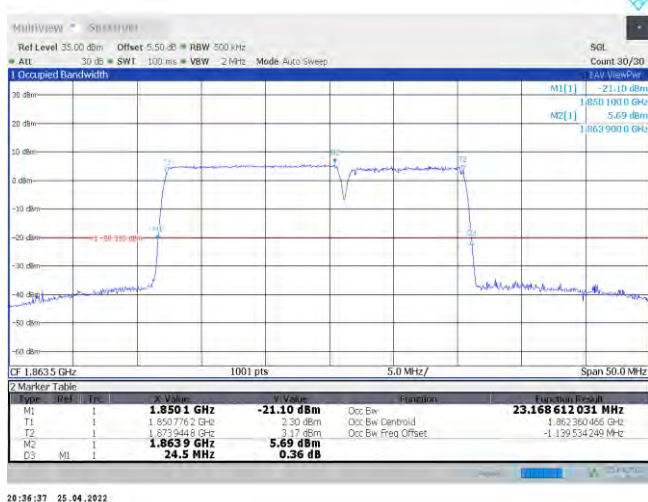


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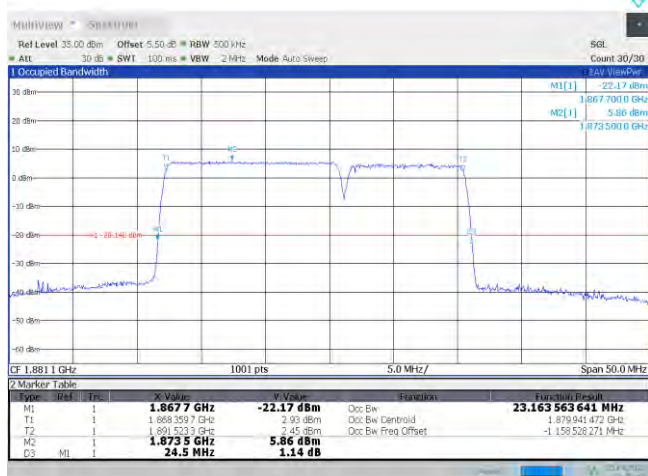


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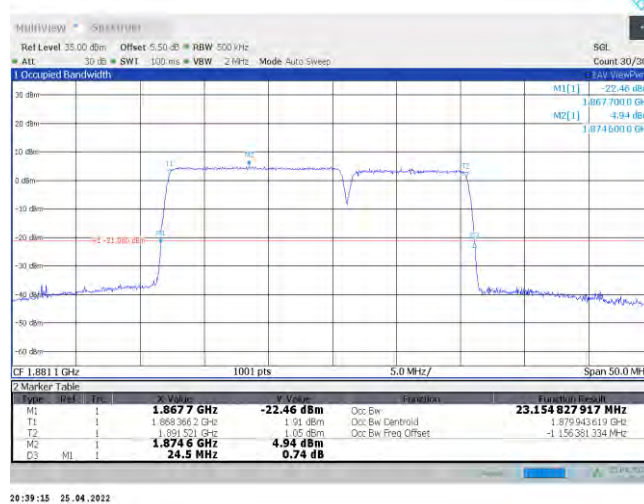


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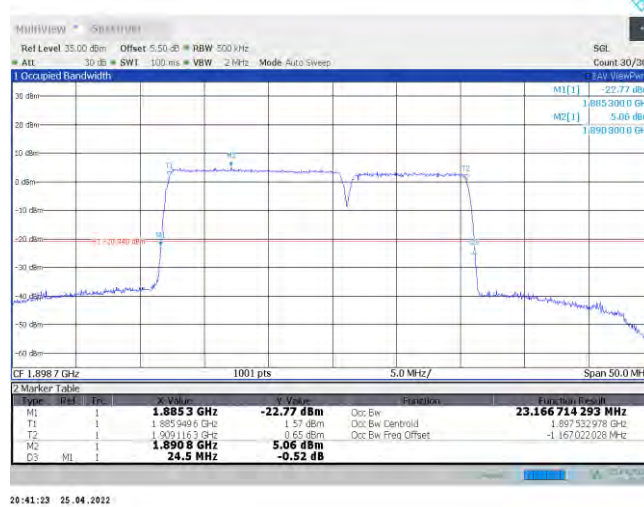
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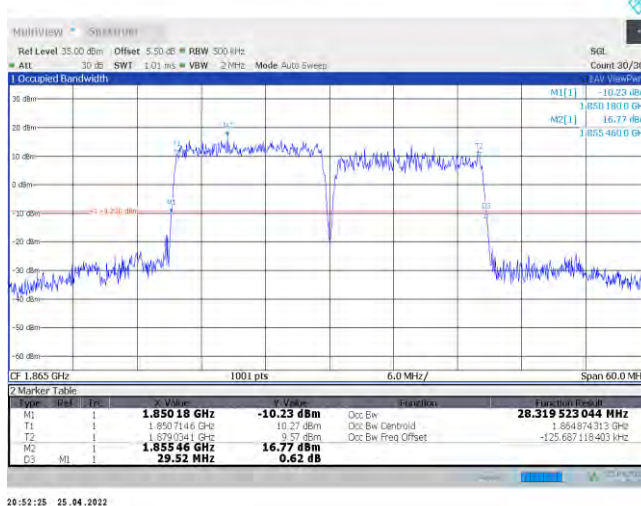
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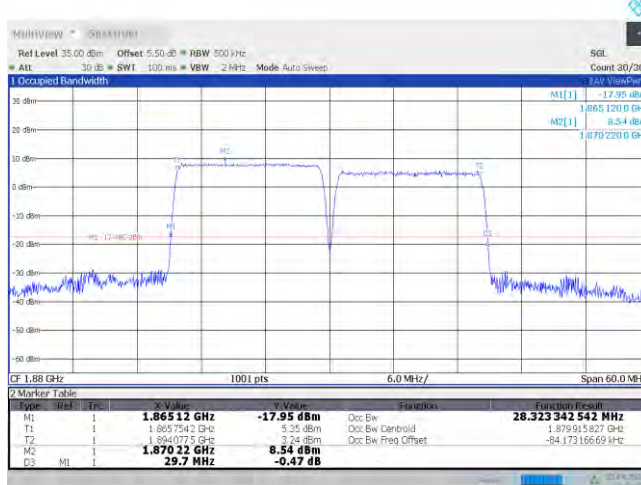


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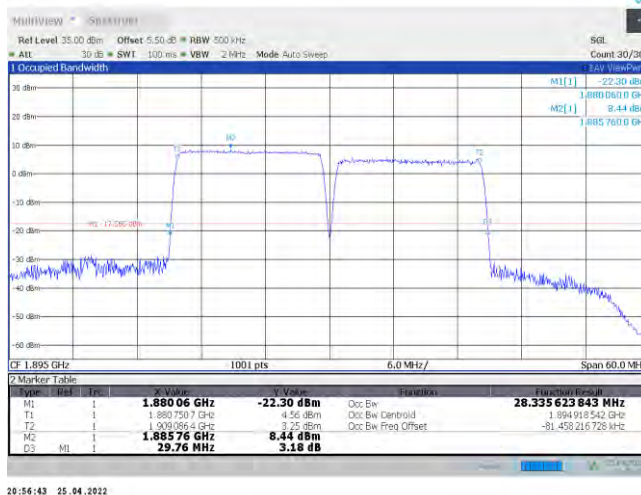


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2-2-15MHz-15MHz-QPSK-QPSK-18975-19125-75RB#0-75RB#0



20:54:43 25.04.2022

2-2-15MHz-15MHz-16QAM-16QAM-18675-18825-75RB#0-75RB#0



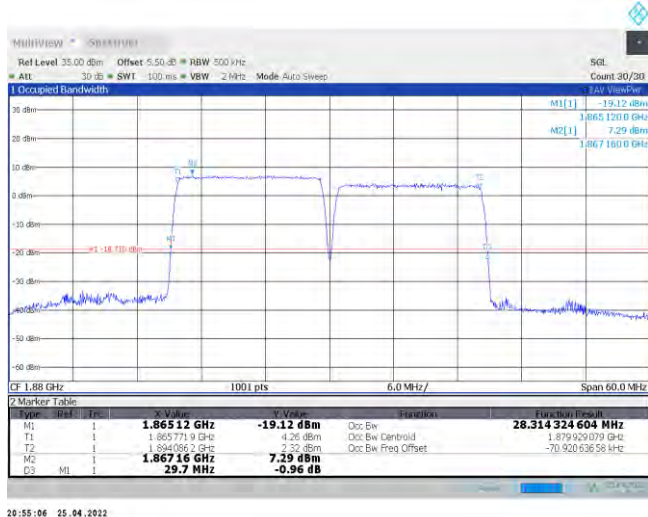
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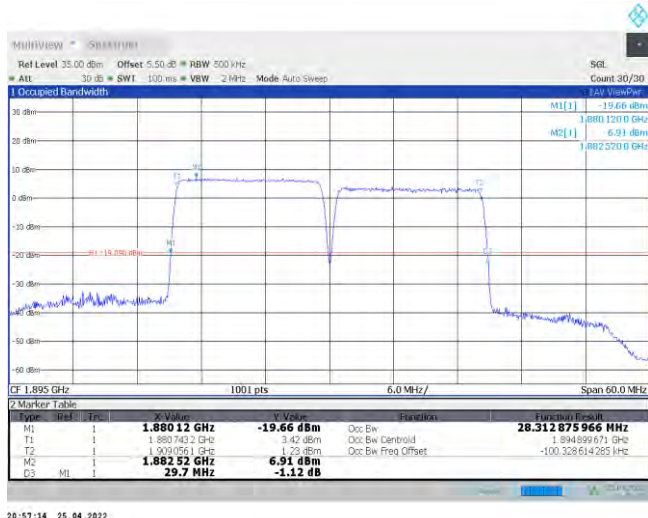
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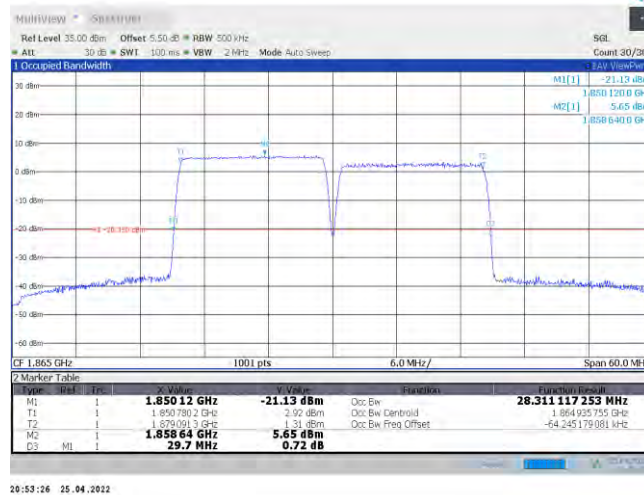


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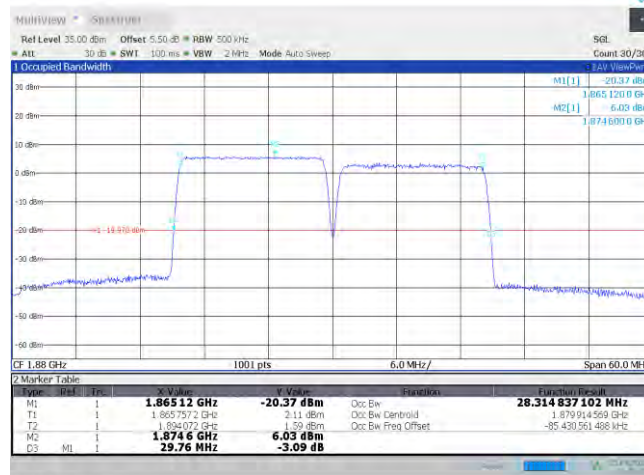


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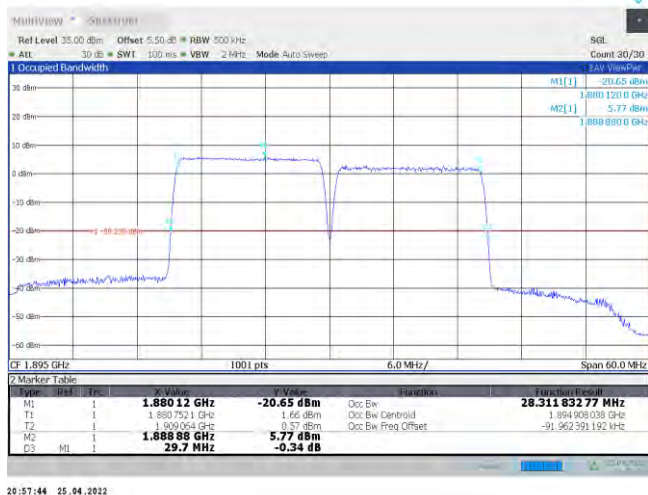
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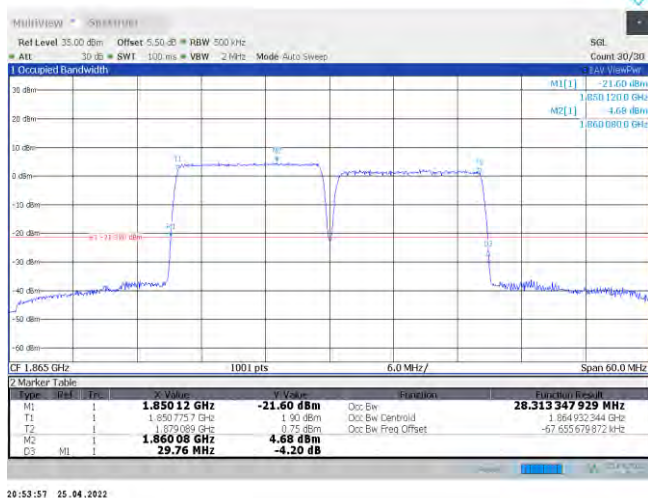
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2-2-15MHz-15MHz-64QAM-64QAM-18975-19125-75RB#0-75RB#0



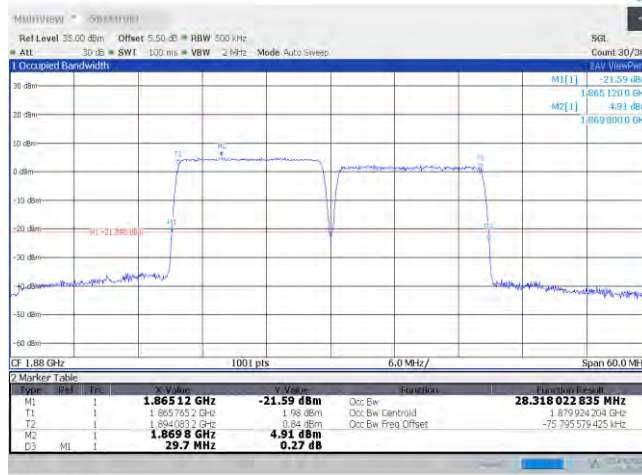
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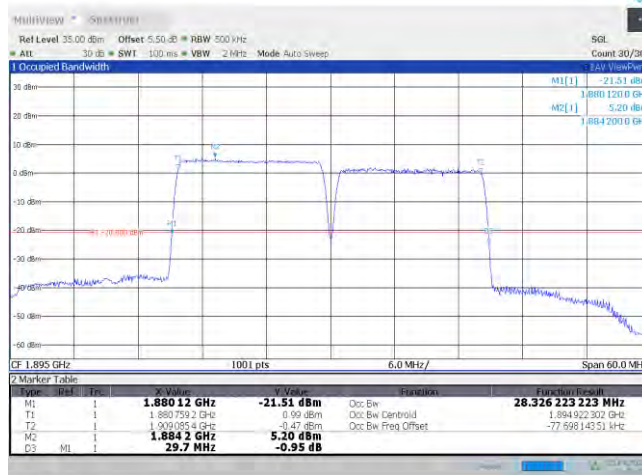
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2-2-15MHz-15MHz-256QAM-256QAM-18825-18975-75RB#0-75RB#0



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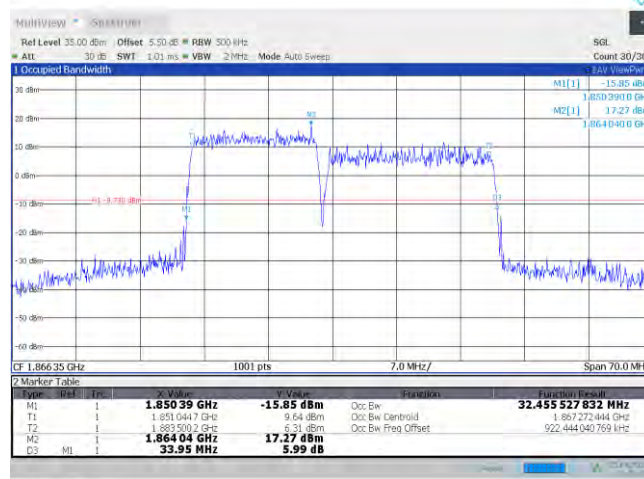
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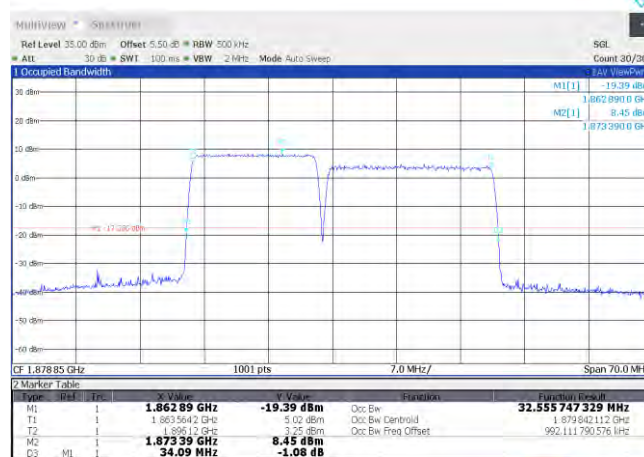


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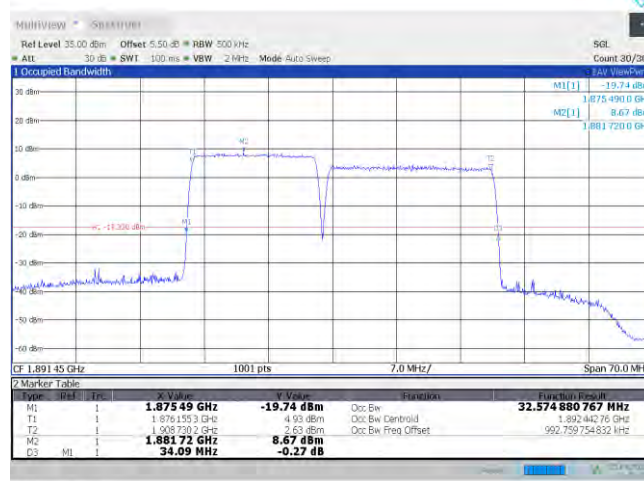


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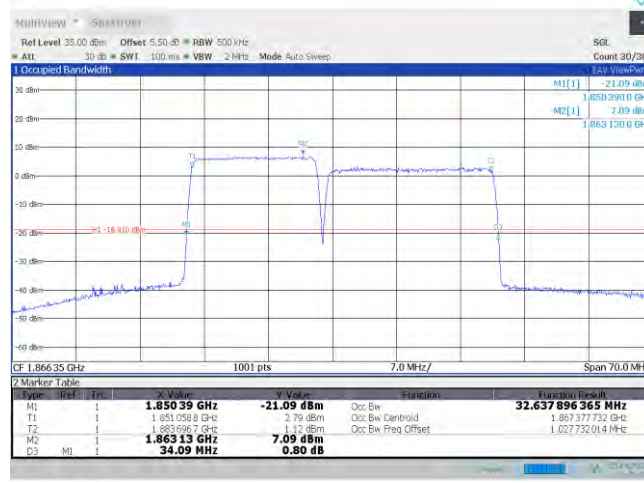
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2-2-15MHz-20MHz-QPSK-QPSK-18929-19100-75RB#0-100RB#0



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21:09:47 25.04.2022



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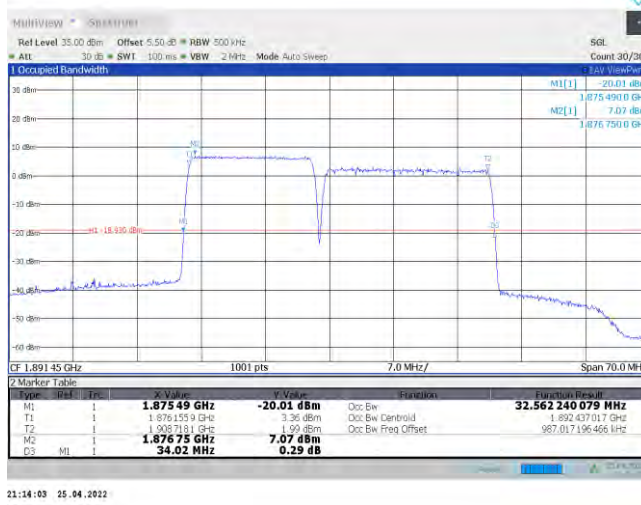
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2-2-15MHz-20MHz-16QAM-16QAM-18803-18974-75RB#0-100RB#0



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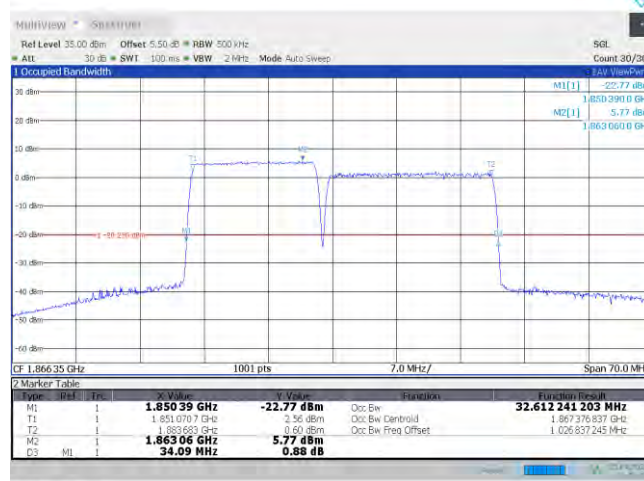


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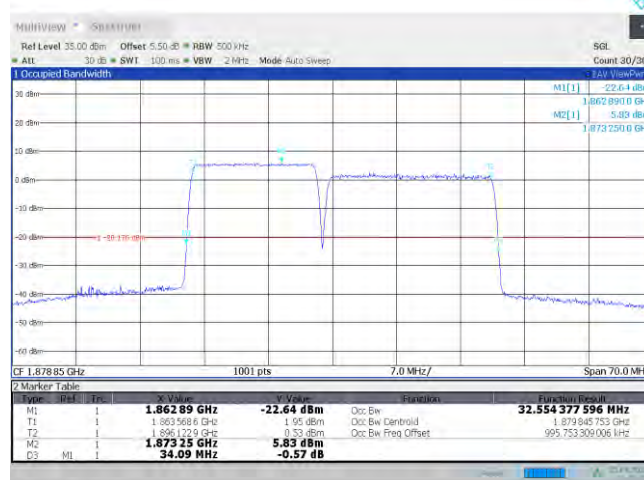


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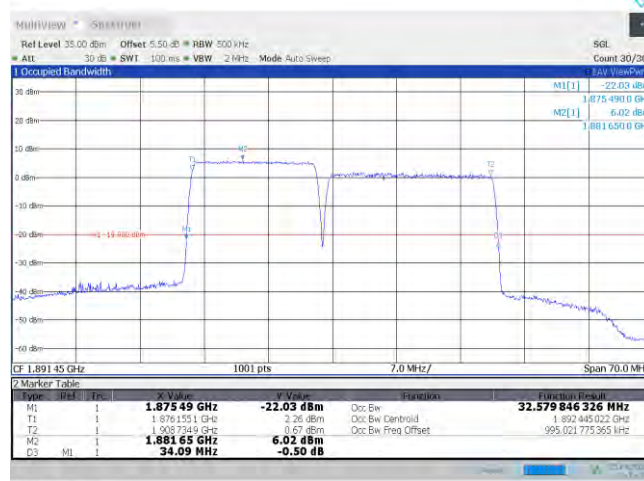
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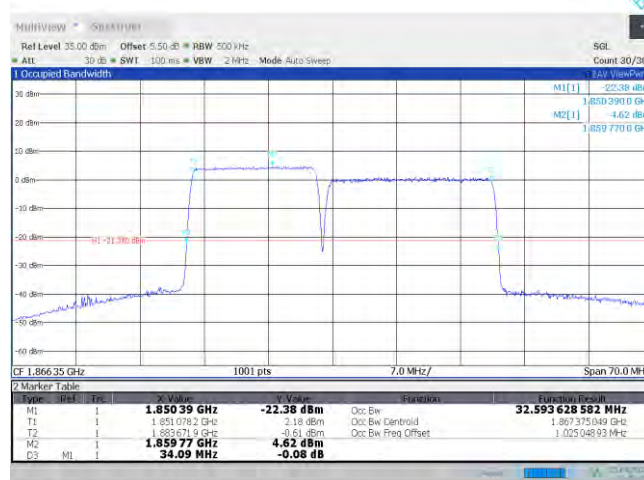
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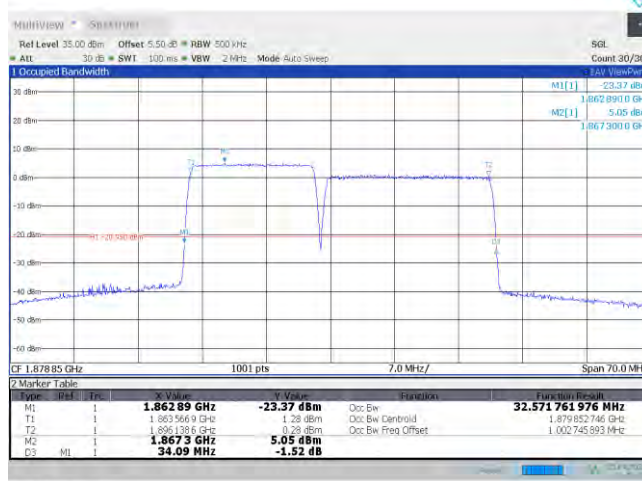


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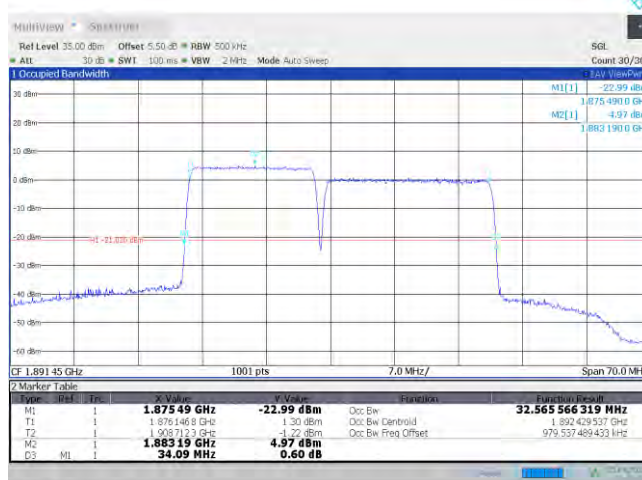
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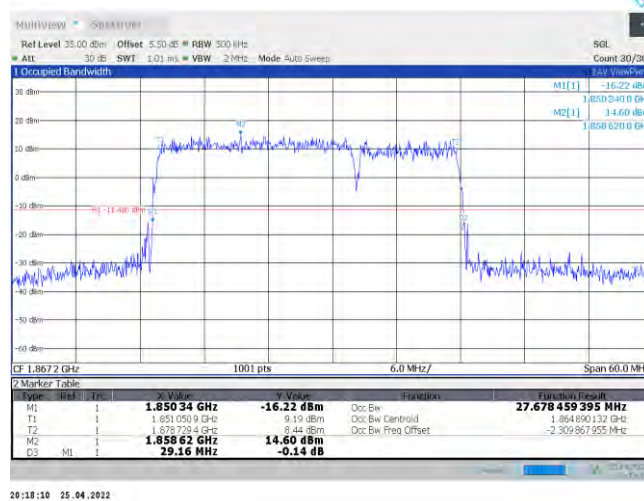
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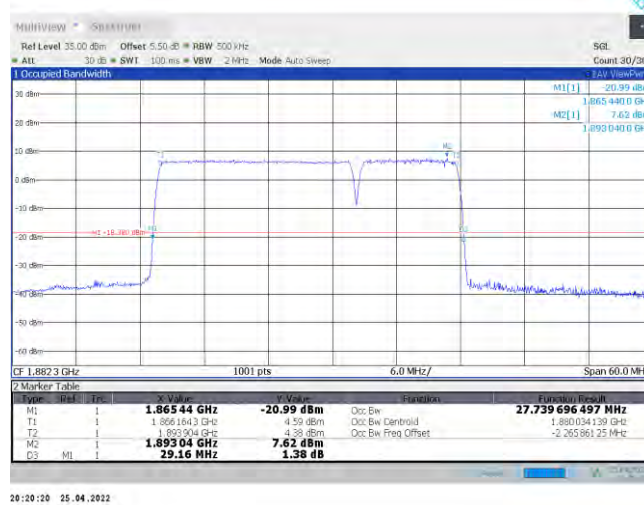
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2-2-20MHz-10MHz-QPSK-QPSK-18700-18844-100RB#0-50RB#0



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

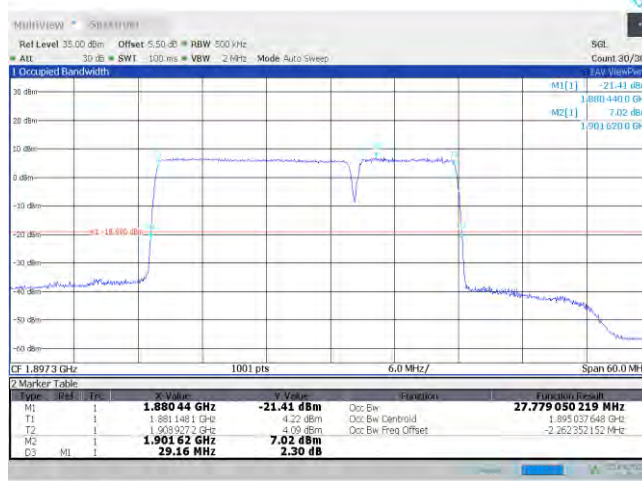


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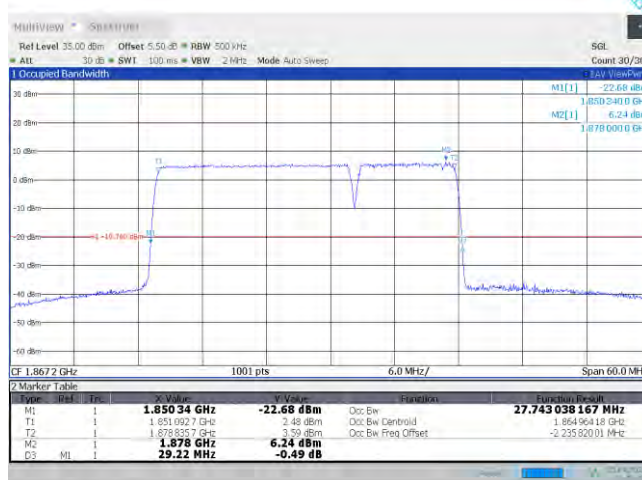
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2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-100RB#0-50RB#0



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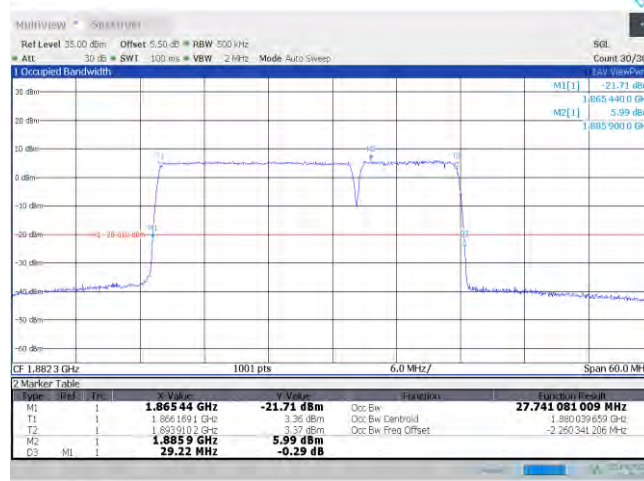


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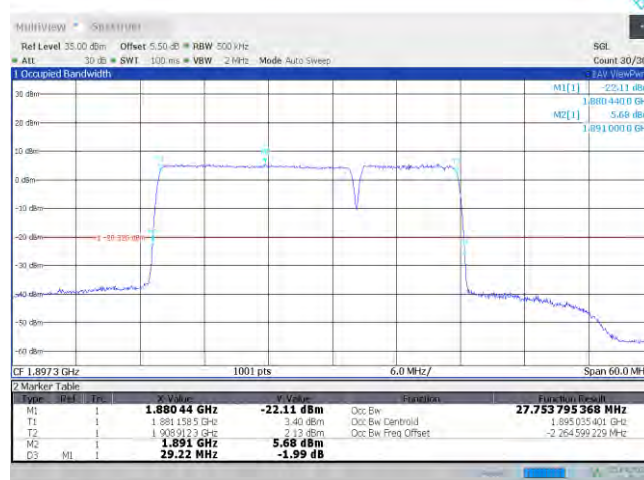
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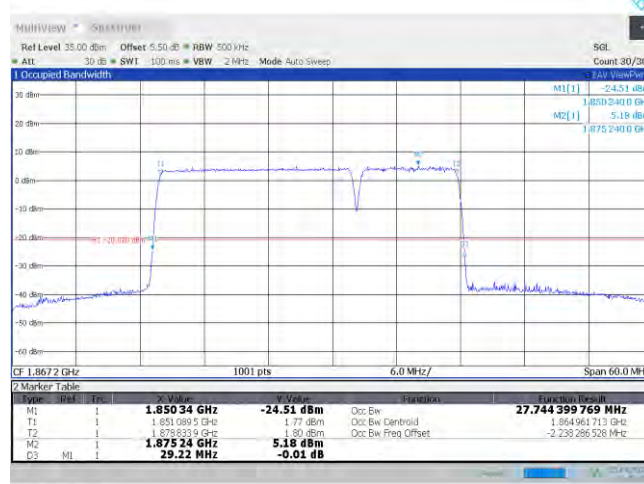


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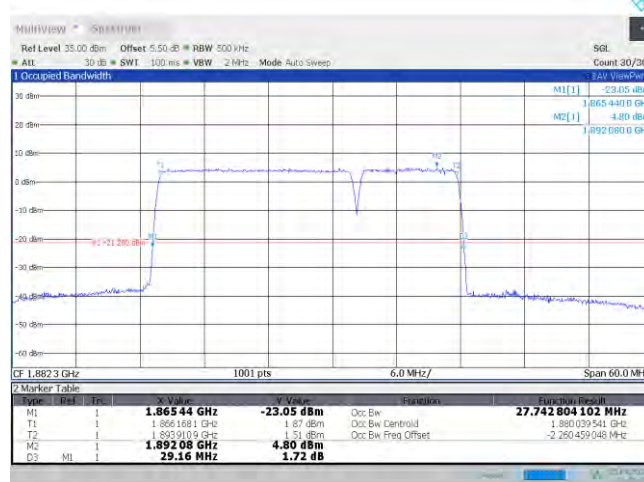


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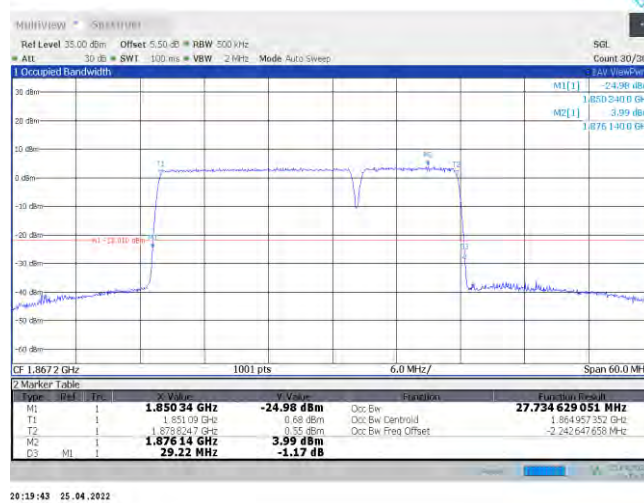
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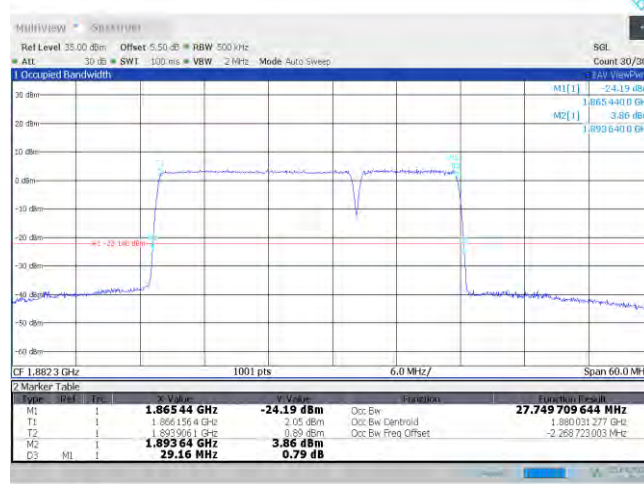
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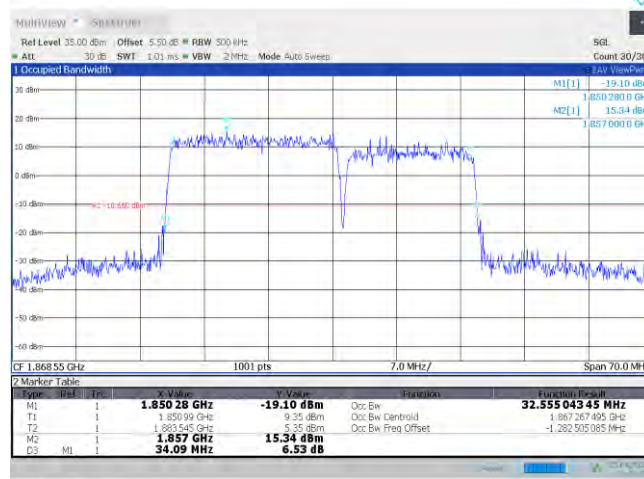
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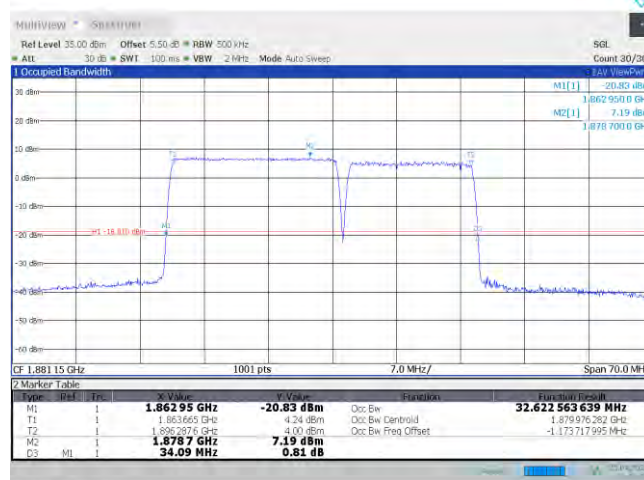


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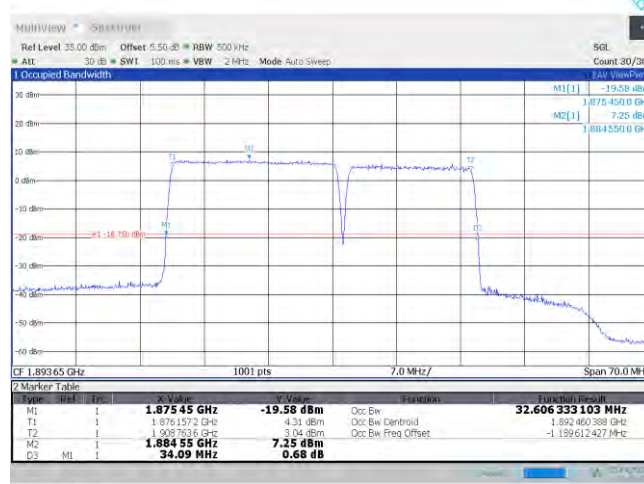


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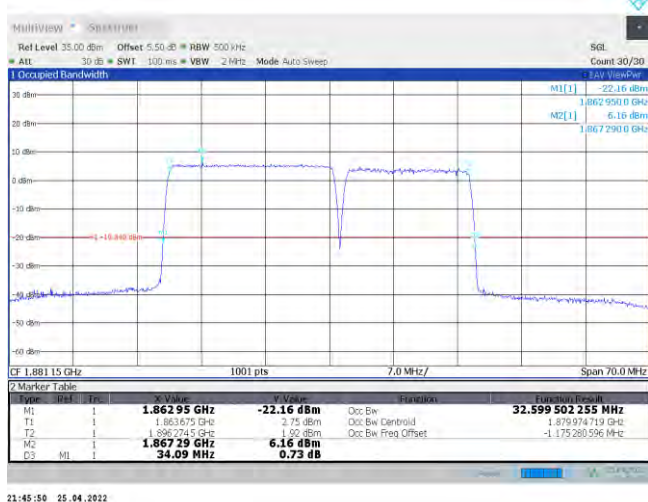


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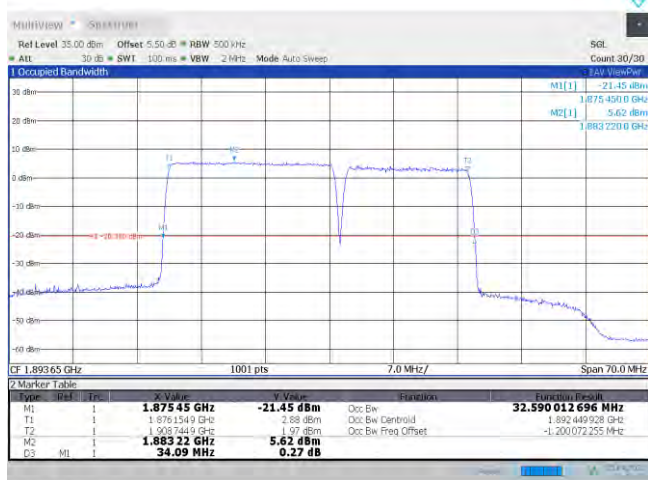
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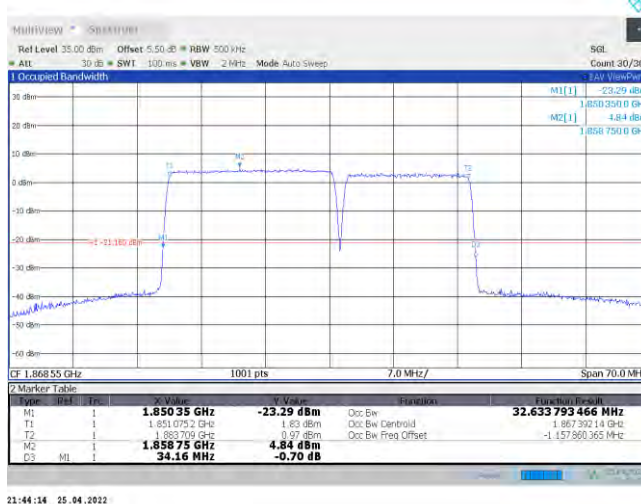


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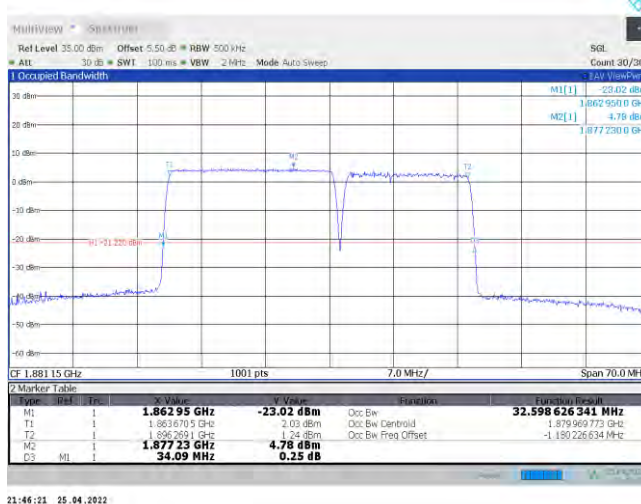
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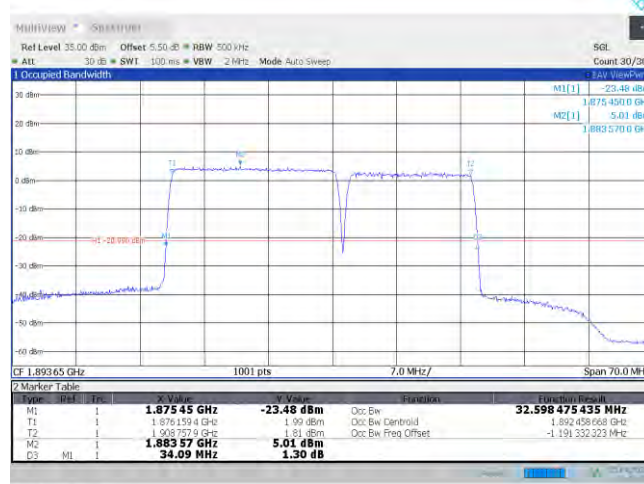


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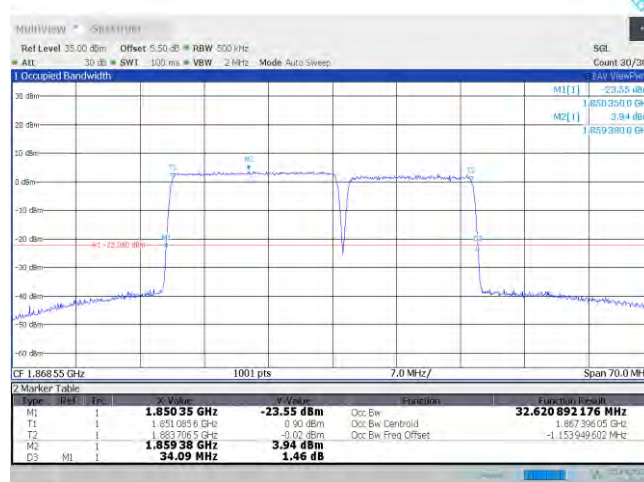
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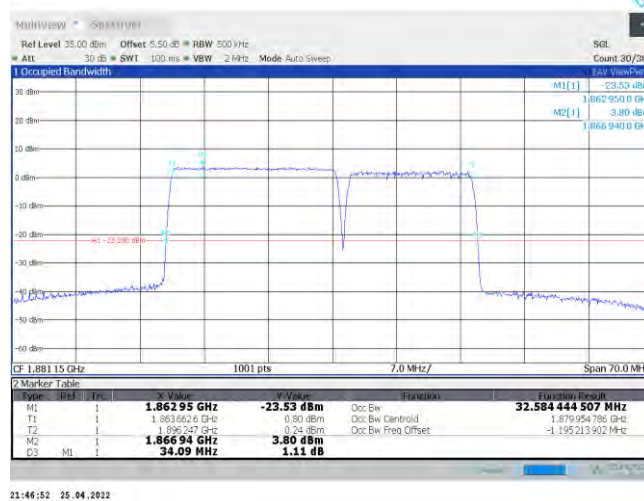
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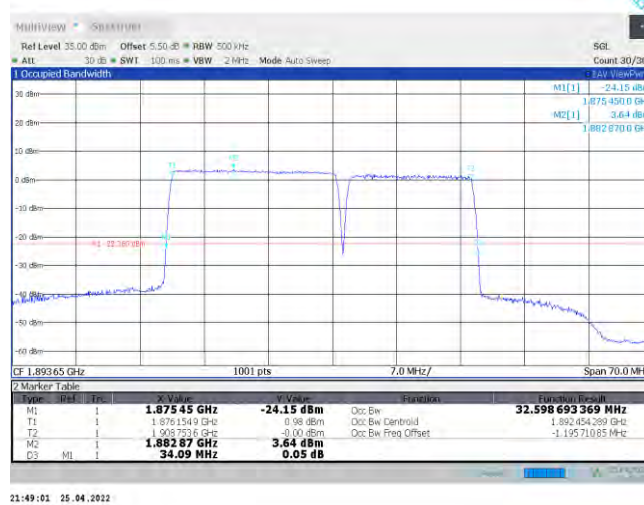
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2-2-20MHz-15MHz-256QAM-256QAM-18826-18997-100RB#0-75RB#0



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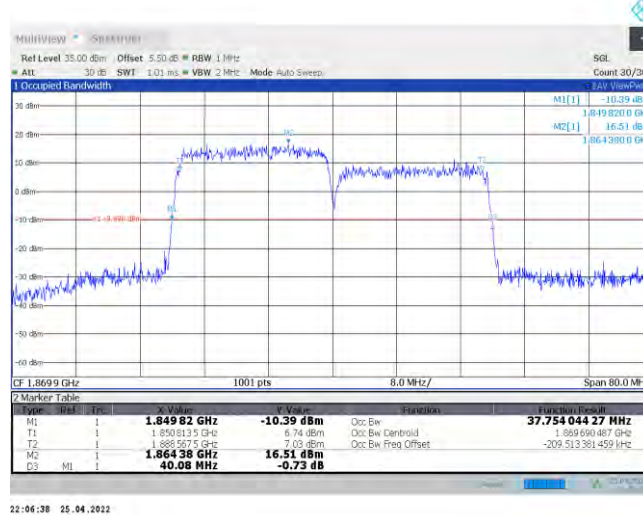
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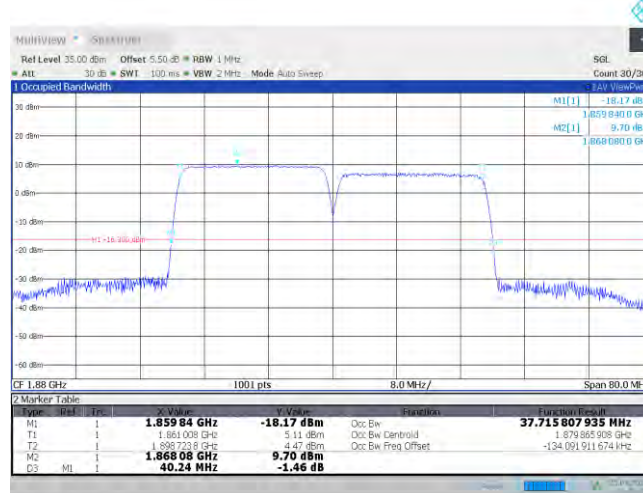


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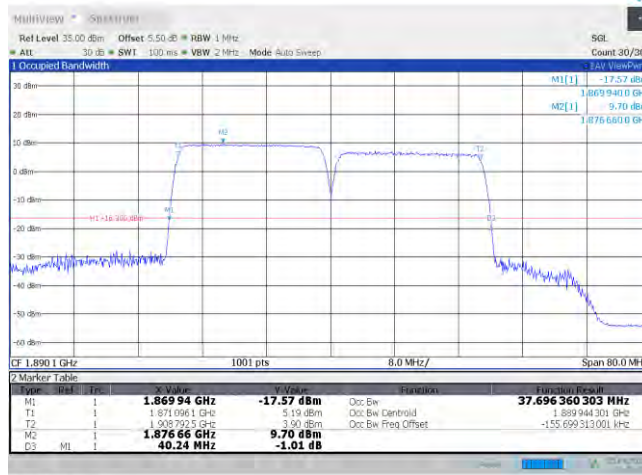
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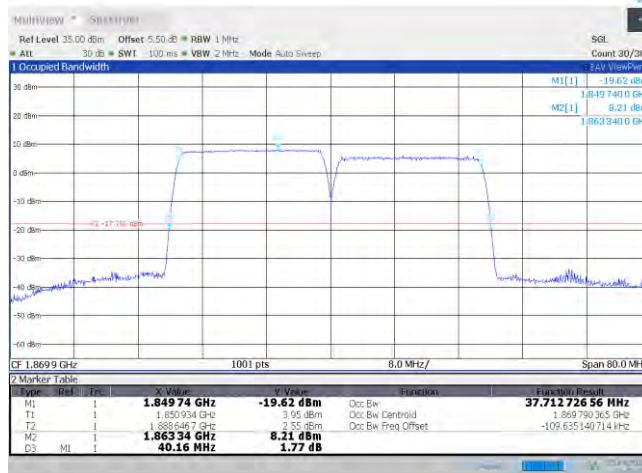
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



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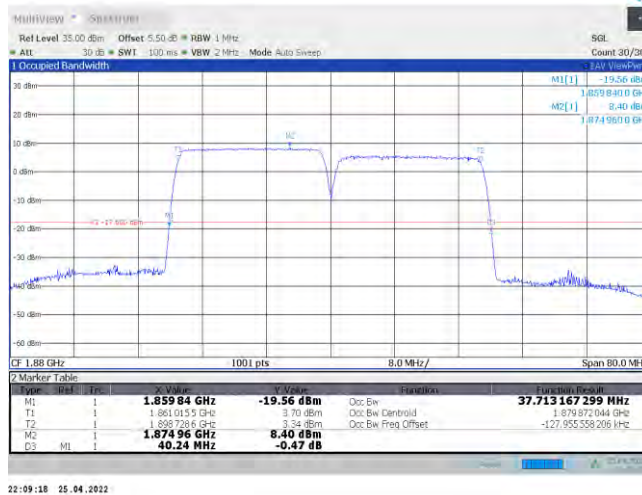


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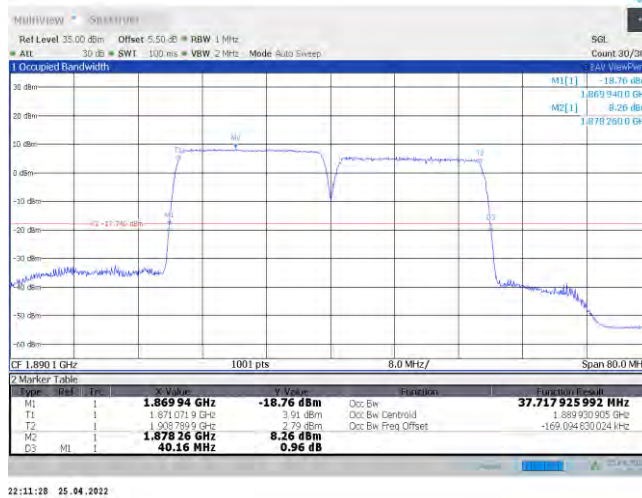
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2-2-20MHz-20MHz-16QAM-16QAM-18801-18999-100RB#0-100RB#0



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



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



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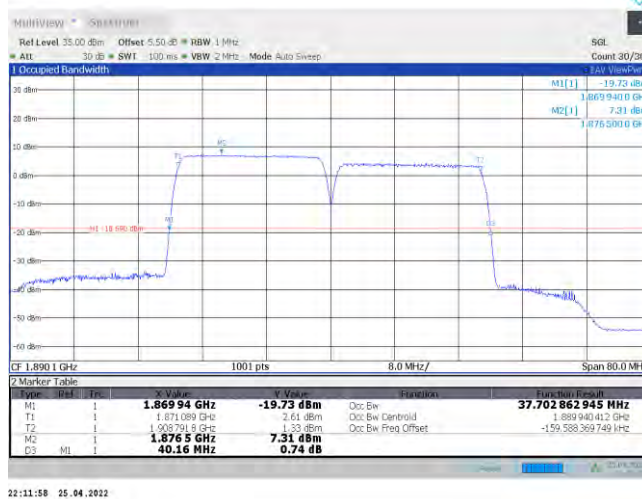


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2-2-20MHz-20MHz-64QAM-64QAM-18902-19100-100RB#0-100RB#0



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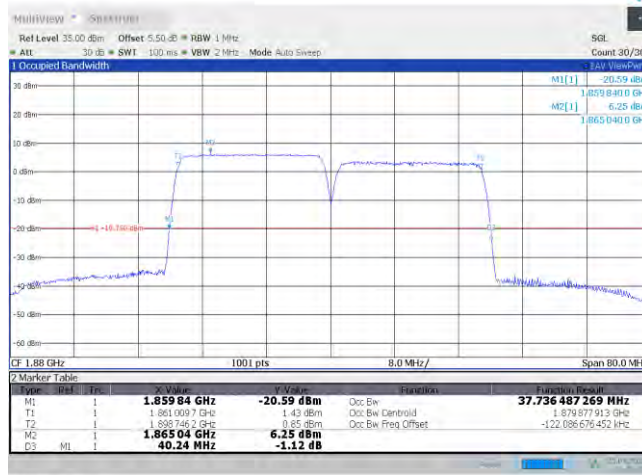


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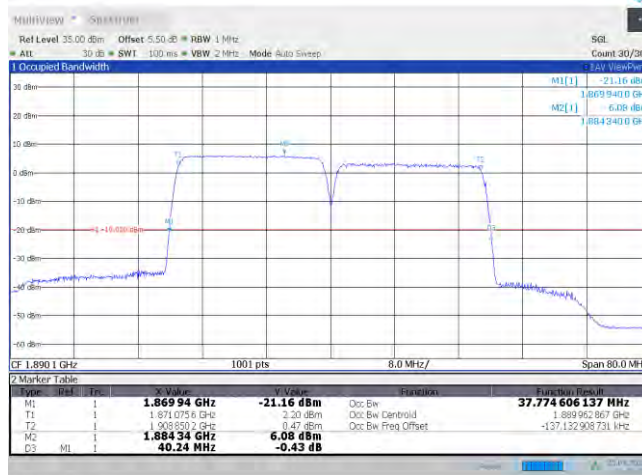
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2-2-20MHz-20MHz-256QAM-256QAM-18801-18999-100RB#0-100RB#0



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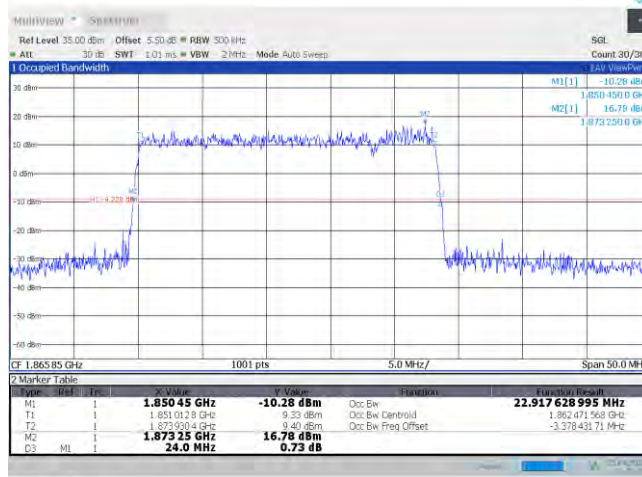


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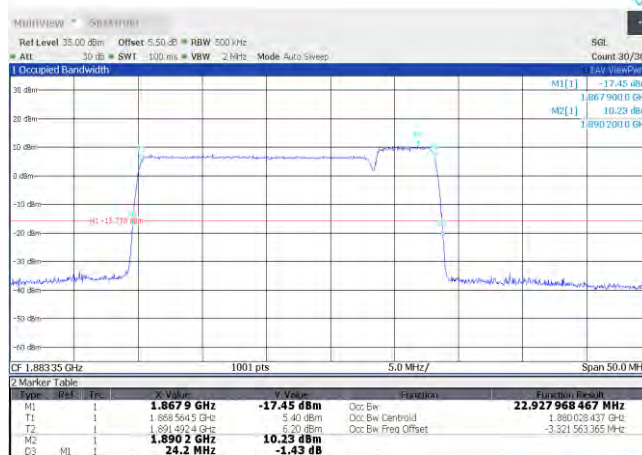


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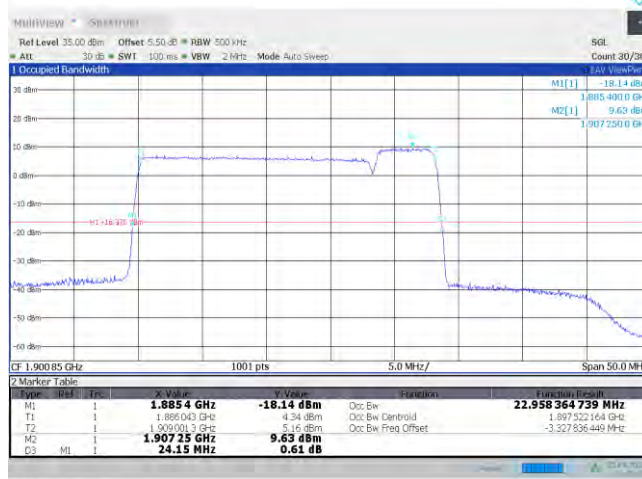


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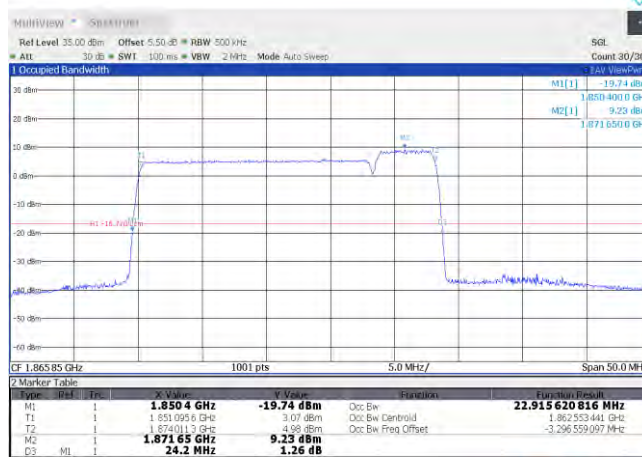
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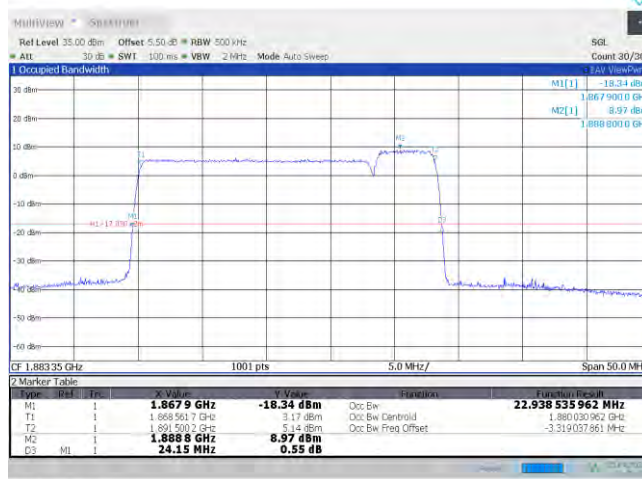
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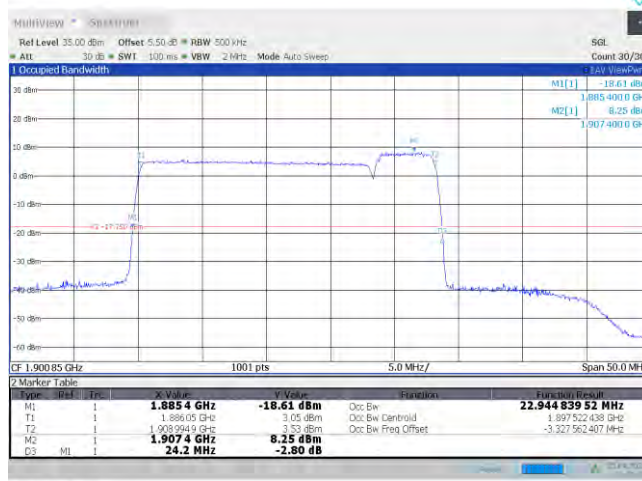
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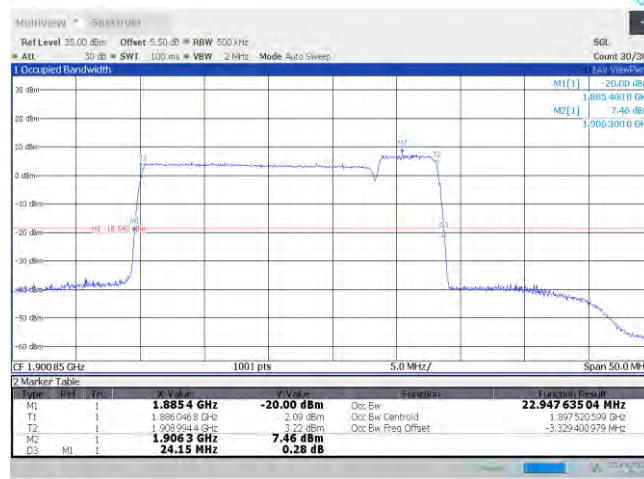
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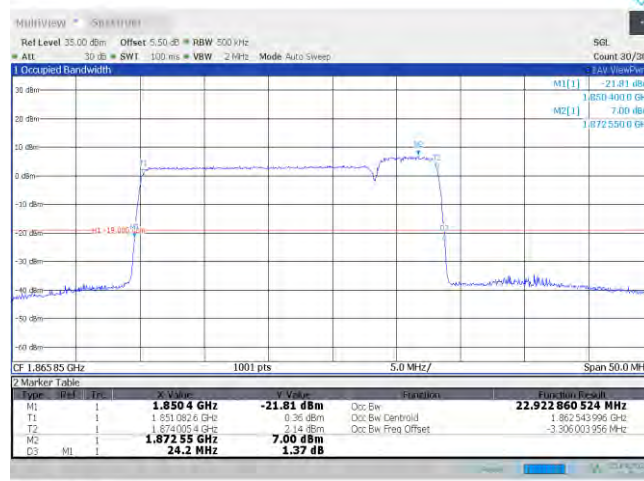
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2-2-20MHz-5MHz-64QAM-64QAM-19050-19167-100RB#0-25RB#0



21:31:34 25.04.2022

2-2-20MHz-5MHz-256QAM-256QAM-18700-18817-100RB#0-25RB#0



21:27:46 25.04.2022

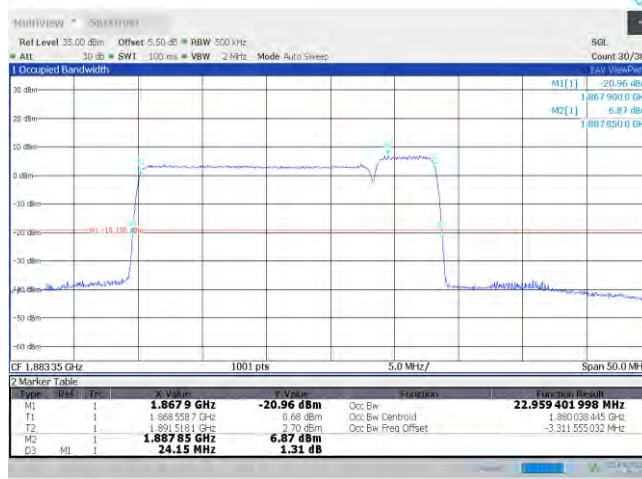


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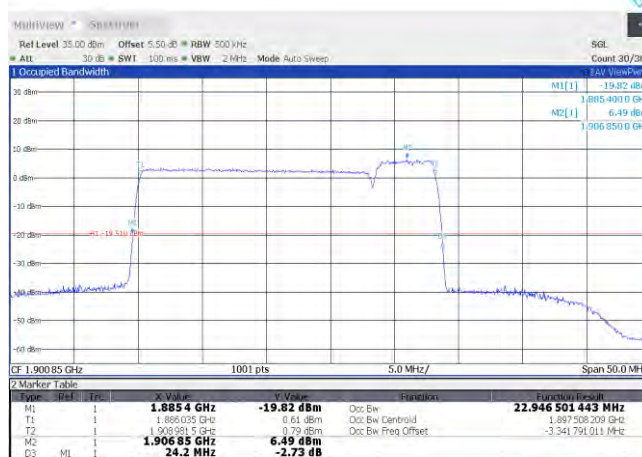
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2-2-20MHz-5MHz-256QAM-256QAM-18875-18992-100RB#0-25RB#0



21:29:55 25.04.2022

2-2-20MHz-5MHz-256QAM-256QAM-19050-19167-100RB#0-25RB#0



21:32:05 25.04.2022



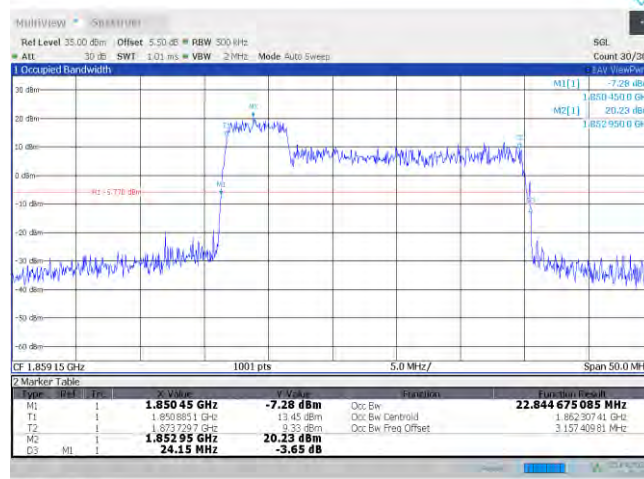
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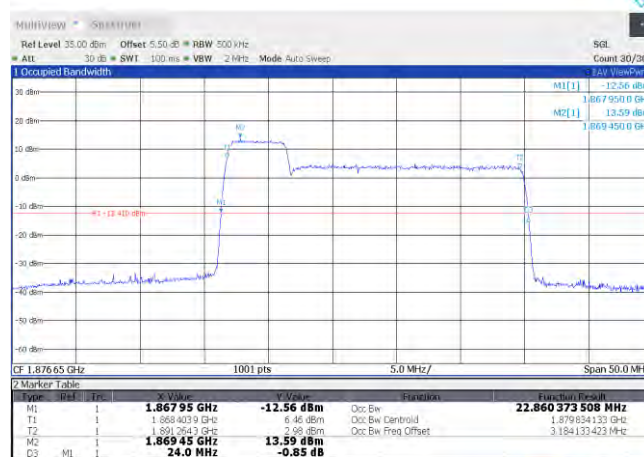


2-2-5MHz-20MHz-QPSK-QPSK-18633-18750-25RB#0-100RB#0



19:27:21 25.04.2022

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



19:29:31 25.04.2022

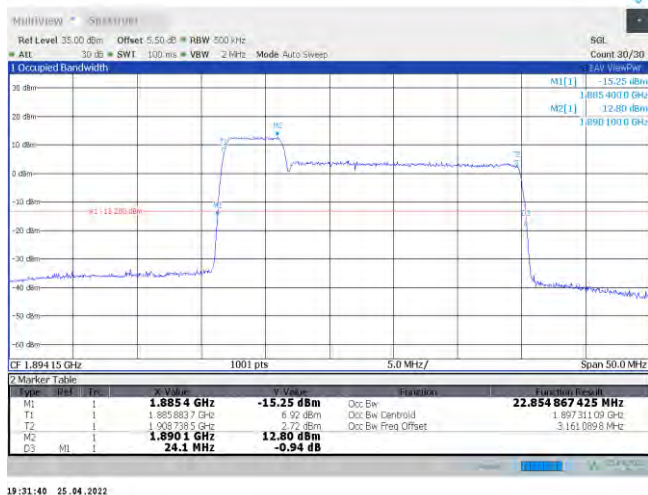


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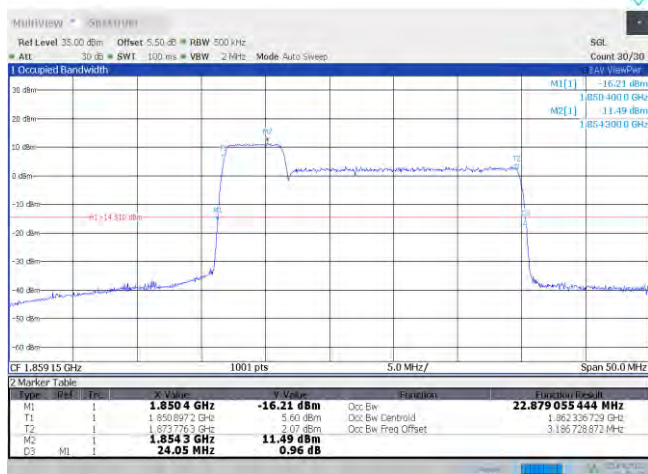
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2-2-5MHz-20MHz-QPSK-QPSK-18983-19100-25RB#0-100RB#0



19:31:40 25.04.2022

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



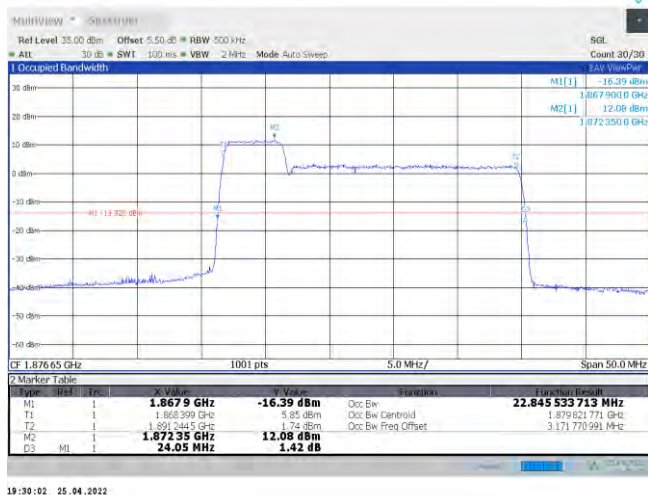
19:27:52 25.04.2022



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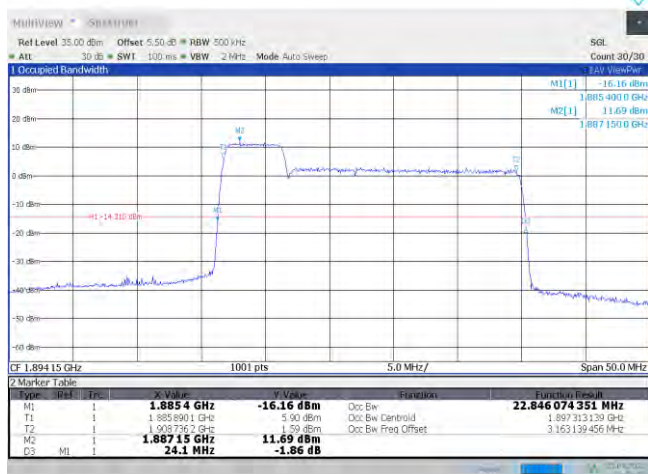
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2-2-5MHz-20MHz-16QAM-16QAM-18808-18925-25RB#0-100RB#0



19:30:02 25.04.2022

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



19:32:11 25.04.2022

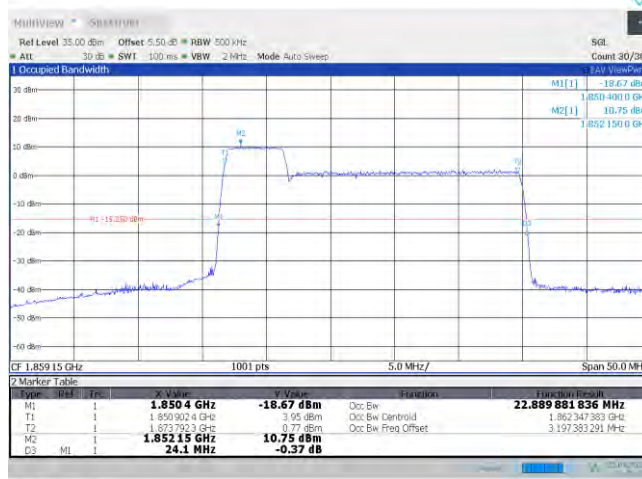


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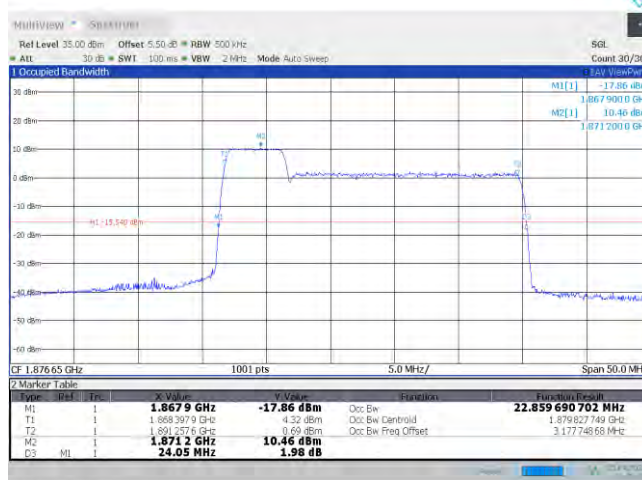


2-2-5MHz-20MHz-64QAM-64QAM-18633-18750-25RB#0-100RB#0



19:28:23 25.04.2022

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



19:30:32 25.04.2022

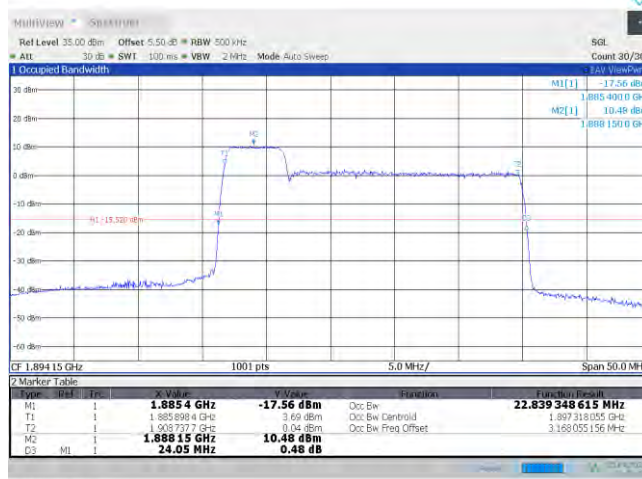


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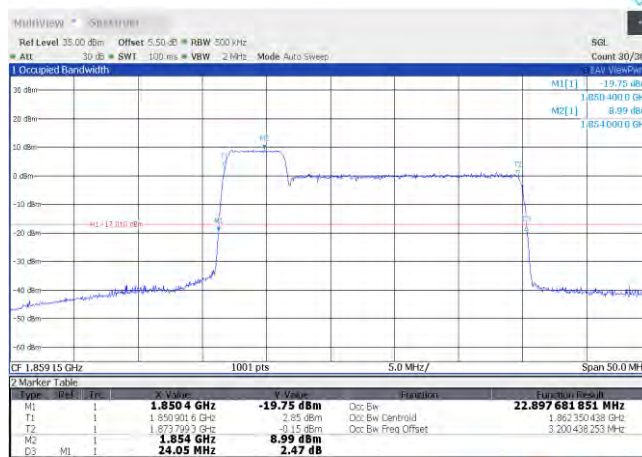
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2-2-5MHz-20MHz-64QAM-64QAM-18983-19100-25RB#0-100RB#0



19:32:42 25.04.2022

2-2-5MHz-20MHz-256QAM-256QAM-18633-18750-25RB#0-100RB#0



19:28:53 25.04.2022

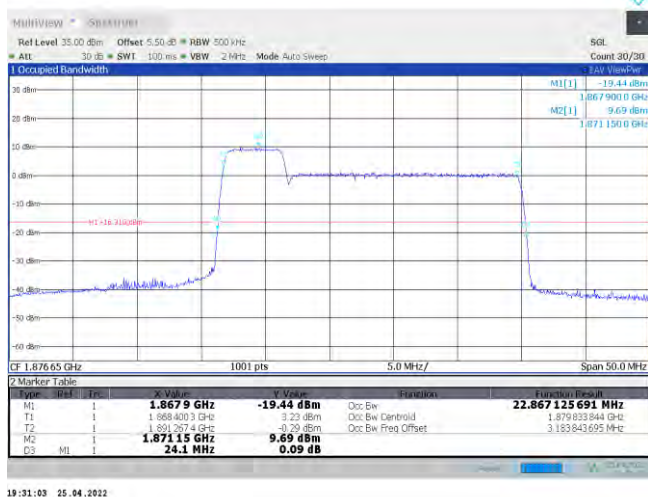


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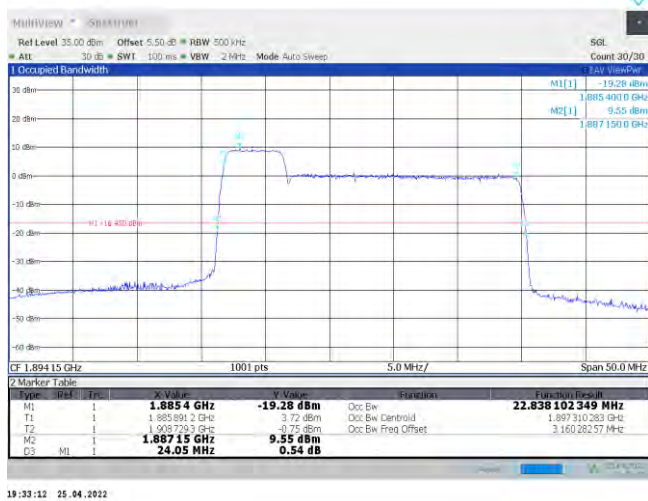
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2-2-5MHz-20MHz-256QAM-256QAM-18808-18925-25RB#0-100RB#0



2-2-5MHz-20MHz-256QAM-256QAM-18983-19100-25RB#0-100RB#0



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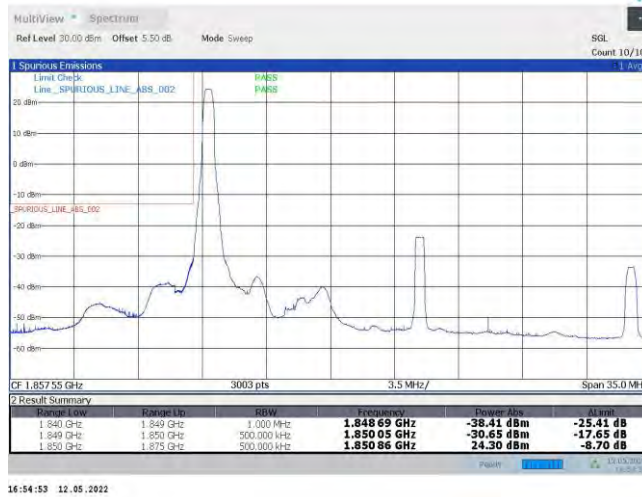
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## Band Edge

## Test Graphs

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



16:54:53 12.05.2022

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



17:00:07 12.05.2022



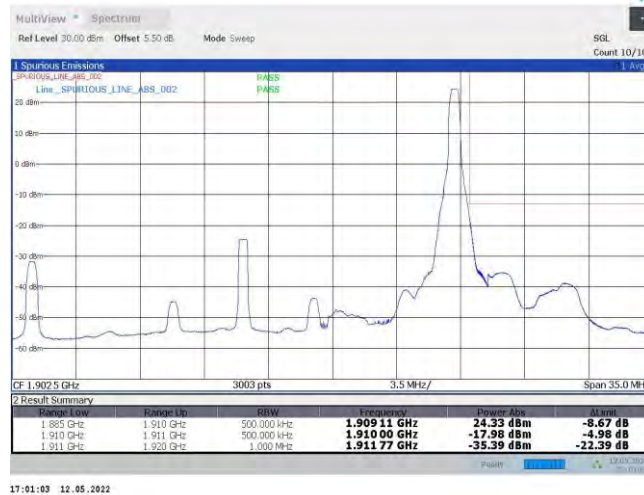
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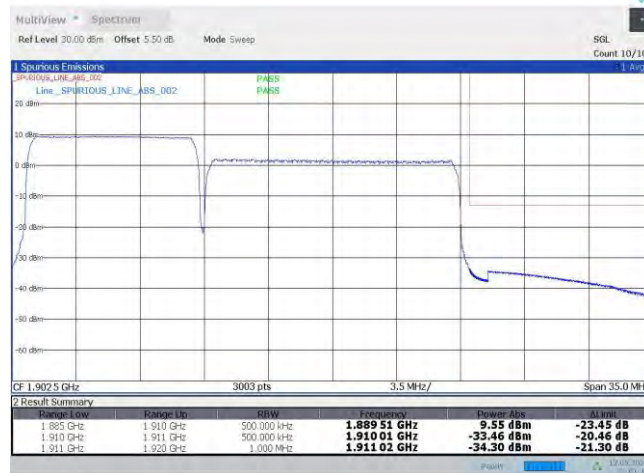
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2-2-10MHz-15MHz-QPSK-QPSK-19005-19125-0RB#0-1RB#74



17-01-03 12:05:2022

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



17-01-05 12:05:2022



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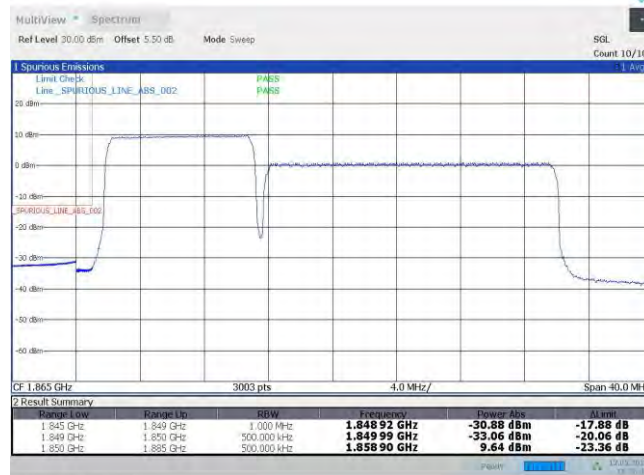
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2-2-10MHz-20MHz-QPSK-QPSK-18655-18799-1RB#0-0RB#0



17:03:37 12.05.2022

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18:26:41 12.05.2022



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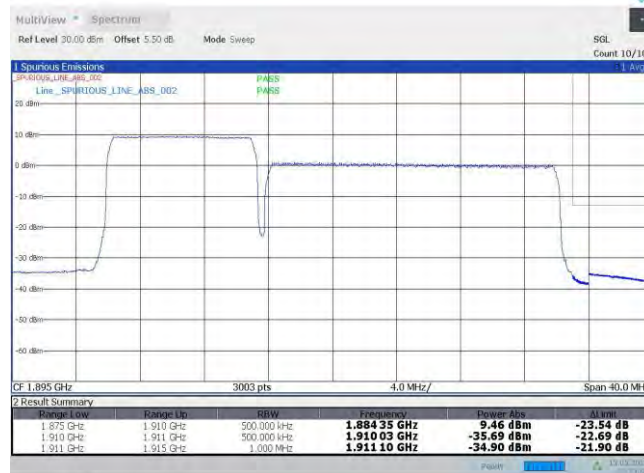


2-2-10MHz-20MHz-QPSK-QPSK-18956-19100-0RB#0-1RB#99



17:32:17 12.05.2022

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



17:33:08 12.05.2022



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



17:34:15 12.05.2022

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



17:34:54 12.05.2022



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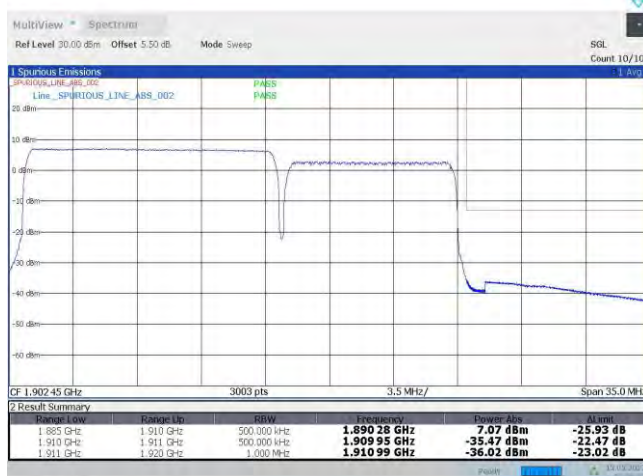
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2-2-15MHZ-10MHZ-QPSK-QPSK-19027-19147-0RB#0-1RB#49



17:36:15 12.05.2022

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



17:36:54 12.05.2022



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2-2-15MHz-15MHz-QPSK-QPSK-18675-18825-1RB#0-0RB#0



17:37:52 12.05.2022

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18:23:54 12.05.2022



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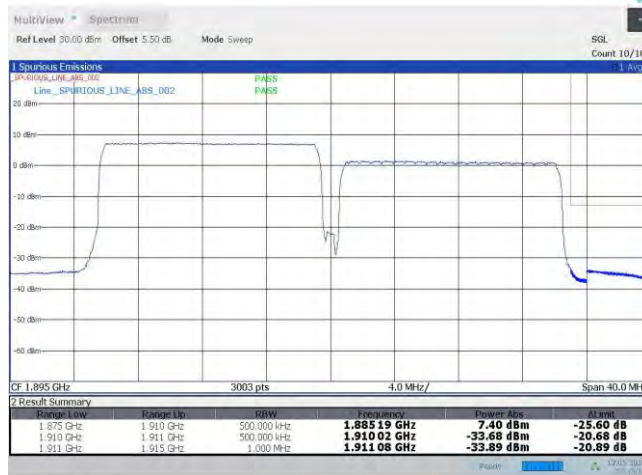
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2-2-15MHZ-15MHZ-QPSK-QPSK-18975-19125-0RB#0-1RB#74



17:44:33 12.05.2022

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17:45:14 12.05.2022



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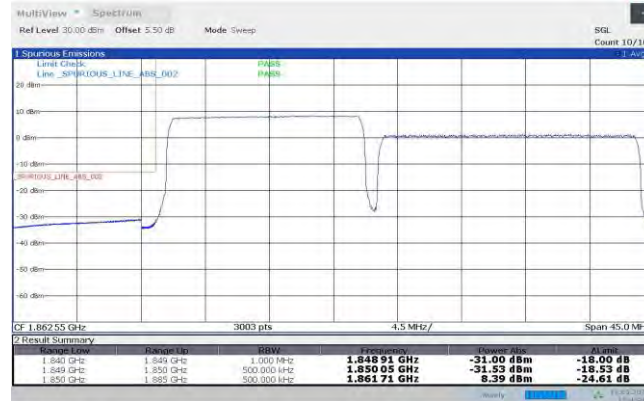
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2-2-15MHz-20MHz-QPSK-QPSK-18678-18849-1RB#0-0RB#0



17:46:27 12.05.2022

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18:43:43 12.05.2022



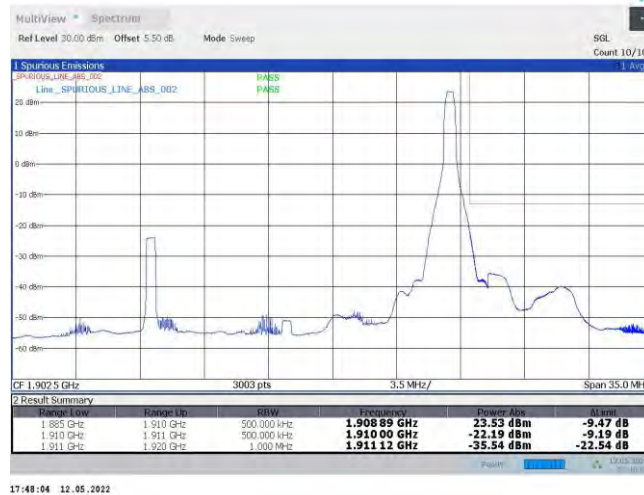
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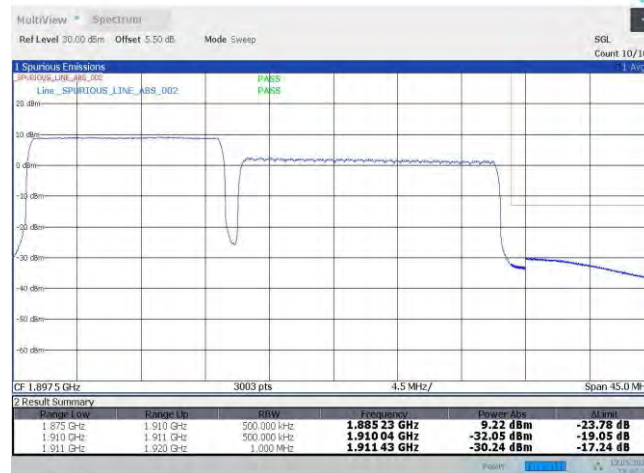


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17:49:04 12.05.2022

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



18:47:34 12.05.2022



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



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18:28:42 12.05.2022



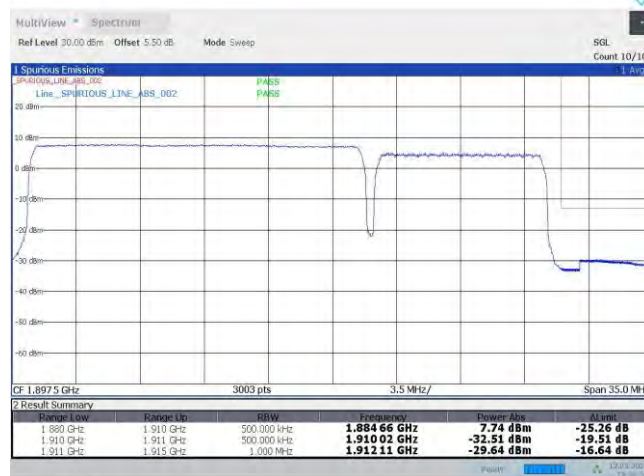
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2-2-20MHz-10MHz-QPSK-QPSK-19001-19145-0RB#0-1RB#49



18:30:33 12.05.2022

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



18:36:58 12.05.2022



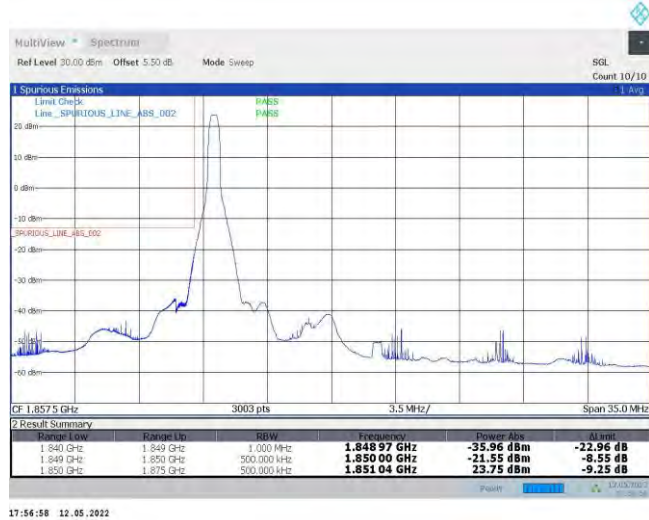
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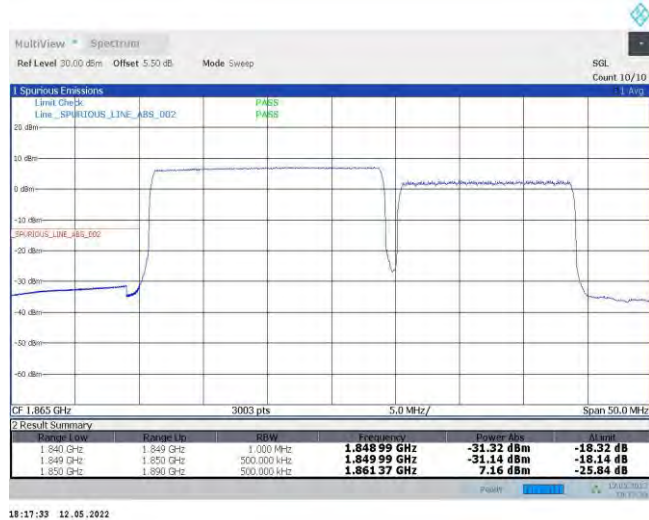


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17:54:58 12.05.2022

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18:17:33 12.05.2022



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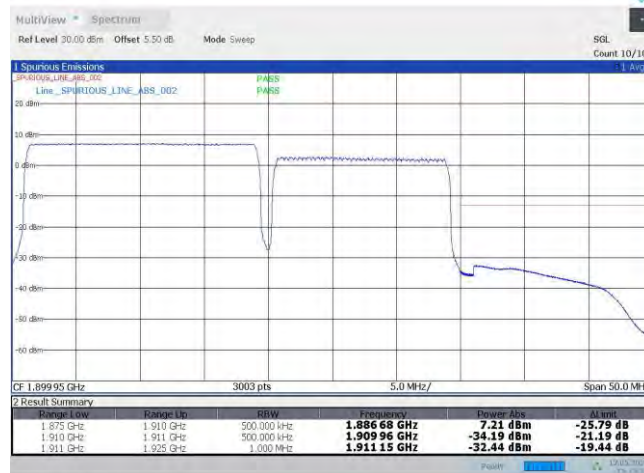
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2-2-20MHz-15MHz-QPSK-QPSK-18951-19122-0RB#0-1RB#74



17:58:35 12.05.2022

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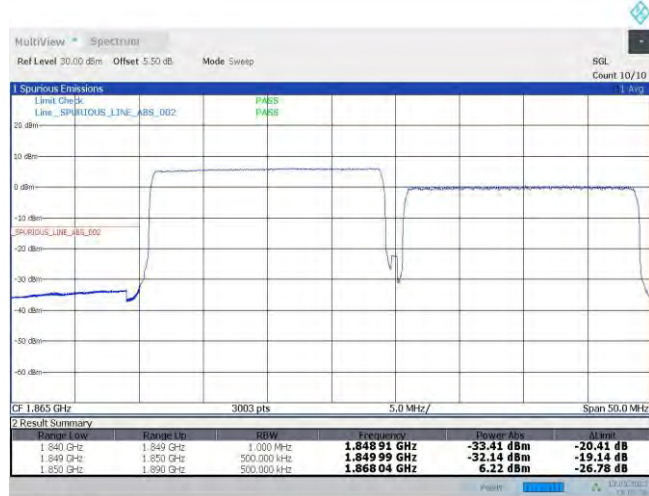
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18:04:57 12.05.2022

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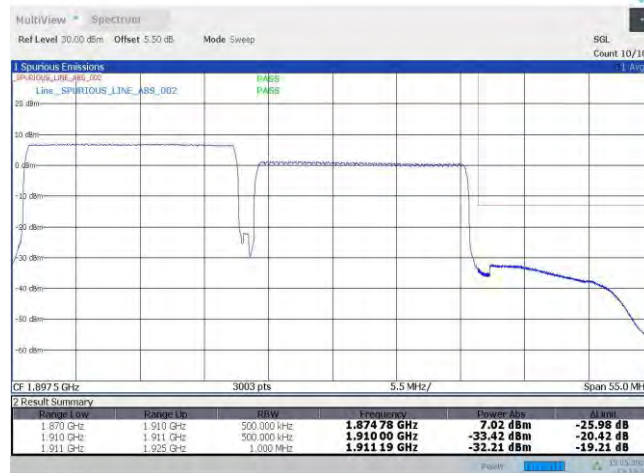


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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-100RB#0-100RB#0



18:15:32 12.05.2022



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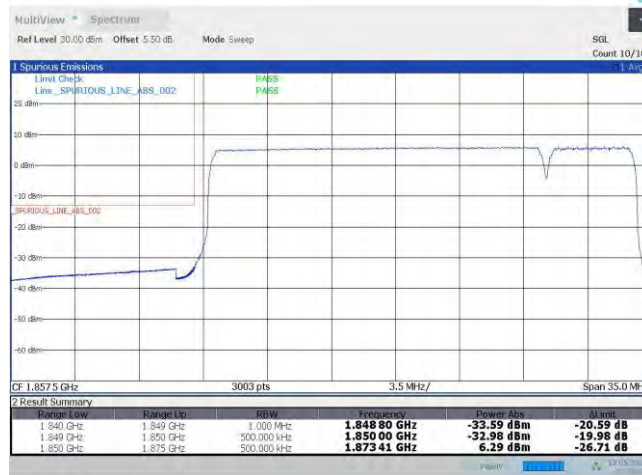
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 t (86-512) 62992980 sgs.china@sgs.com

2-2-20MHz-5MHz-QPSK-QPSK-18700-18817-1RB#0-0RB#0



17:50:16 12.05.2022

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



17:50:17 12.05.2022



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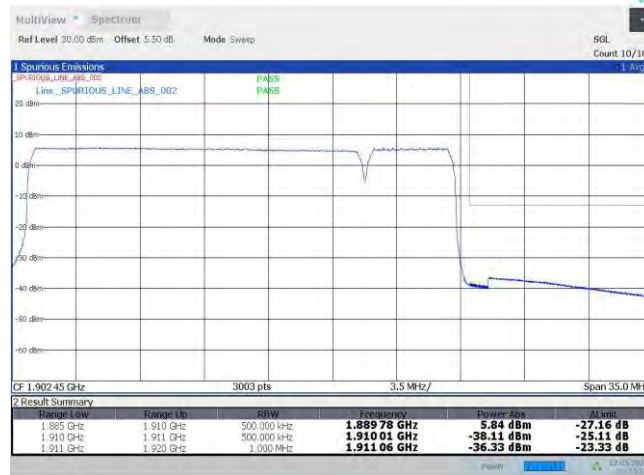
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2-2-20MHz-5MHz-QPSK-QPSK-19050-19167-0RB#0-1RB#24



17:52:20 12.05.2022

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



17:53:01 12.05.2022



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



16:45:39 12.05.2022

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



16:46:20 12.05.2022

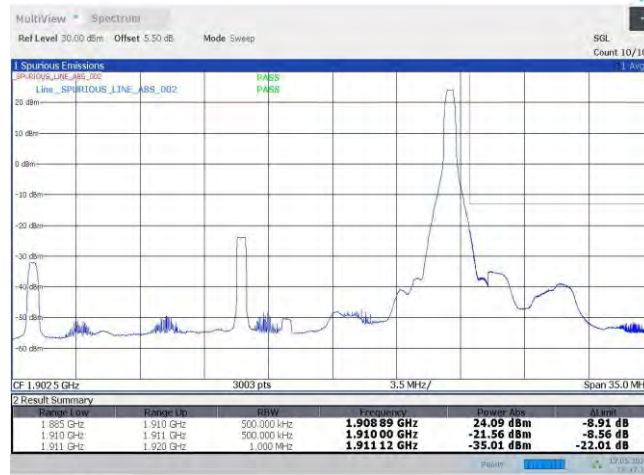


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2-2-5MHz-20MHz-QPSK-QPSK-18983-19100-0RB#0-1RB#99



16:47:14 12.05.2022

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



16:47:55 12.05.2022



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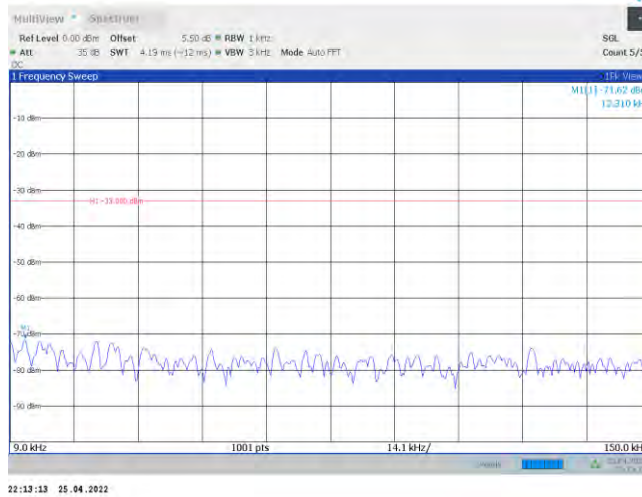
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## Conducted Spurious Emission

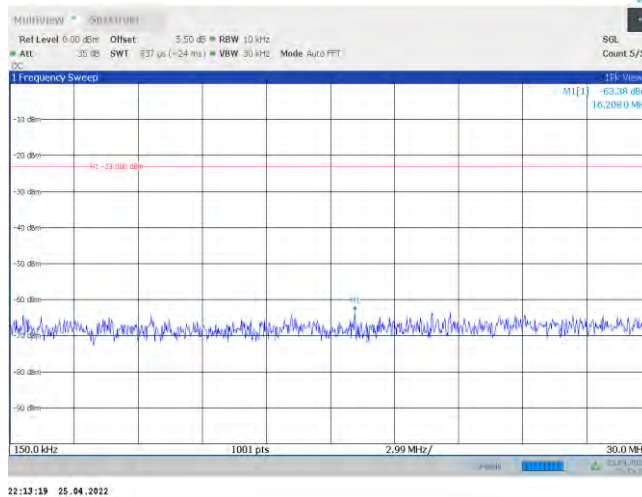
### Test Graphs

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



22:13:13 25.04.2022

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



22:13:19 25.04.2022



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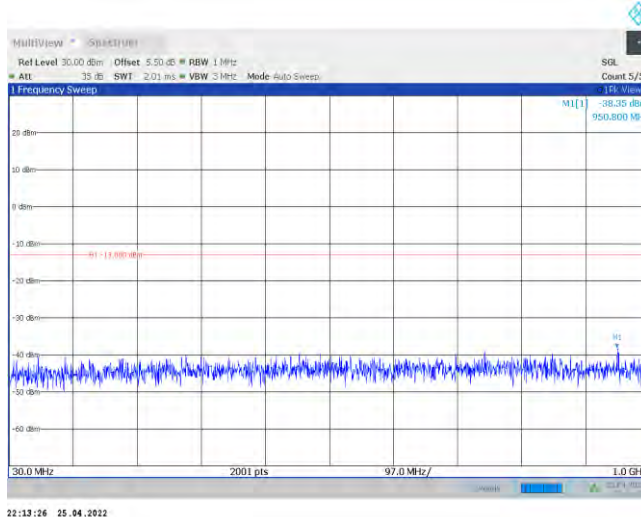
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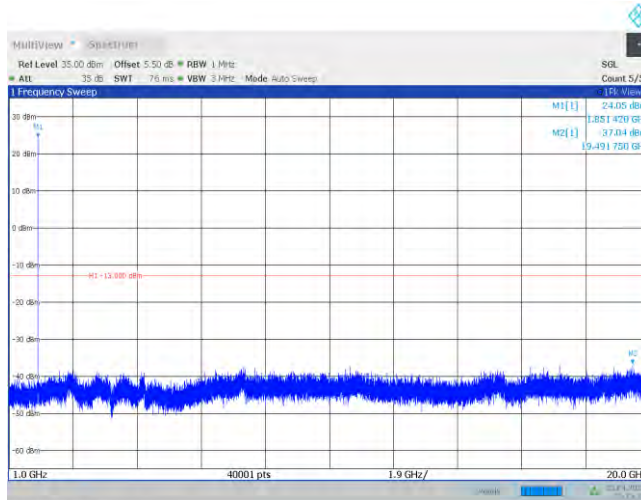


2-2-20MHz-20MHz-QPSK-QPSK-18700-18898-1RB#0-0RB#0-30~1000MHz



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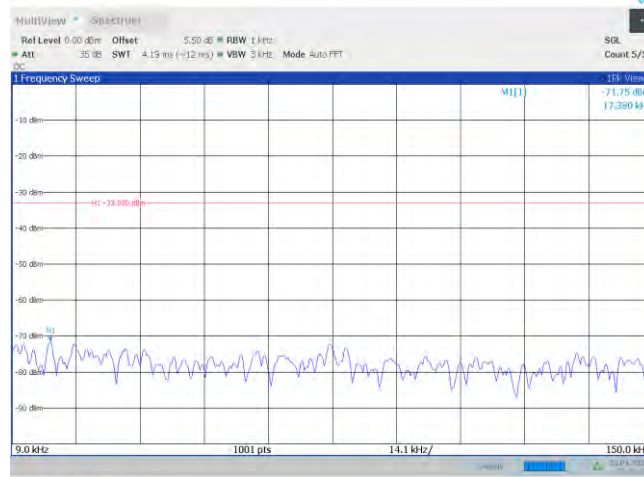


22:13:33 25.04.2022



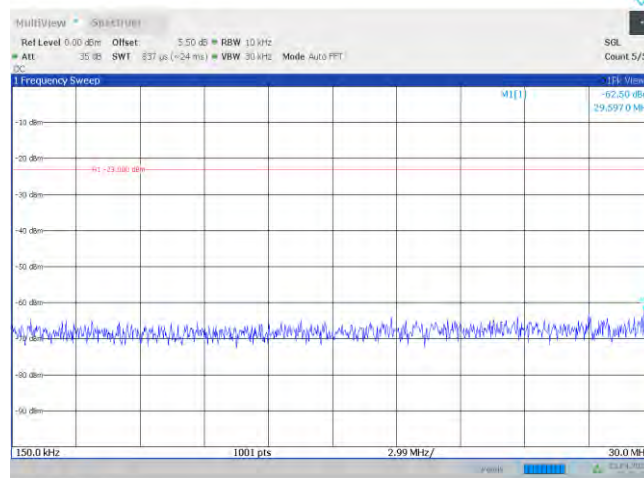
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2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-0.009~0.15MHz



22:17:09 25.04.2022

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

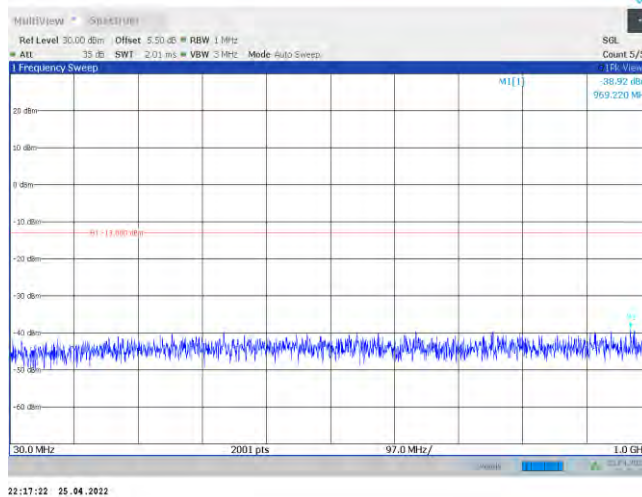


22:17:16 25.04.2022



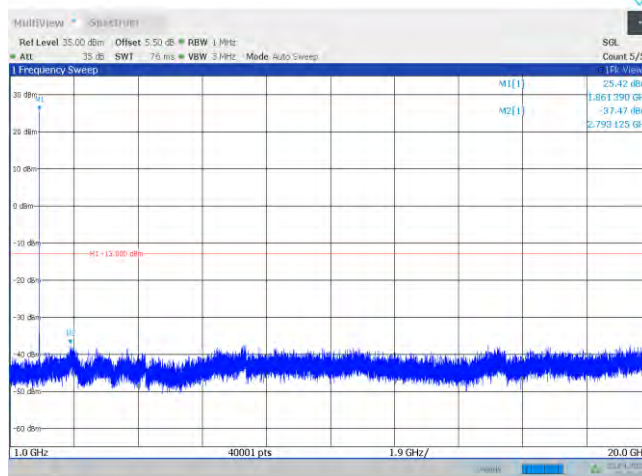
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2-2-20MHz-20MHz-QPSK-QPSK-18801-18999-1RB#0-0RB#0-30~1000MHz



22:17:22 25.04.2022

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



22:17:30 25.04.2022



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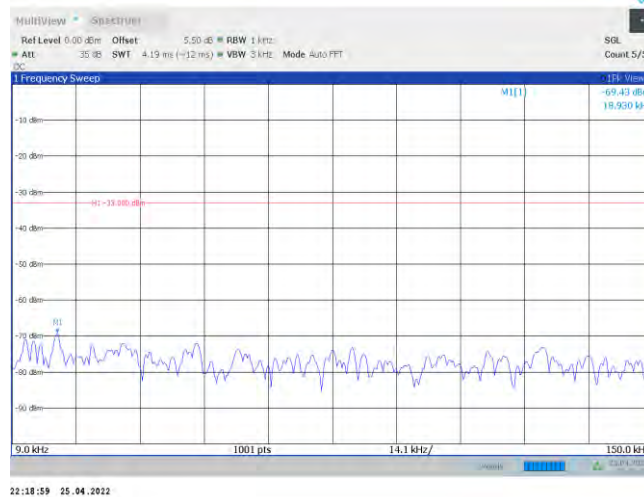
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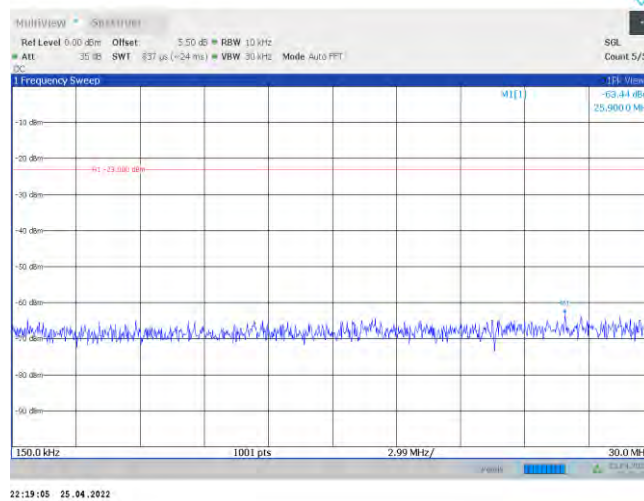
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-0.009~0.15MHz



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

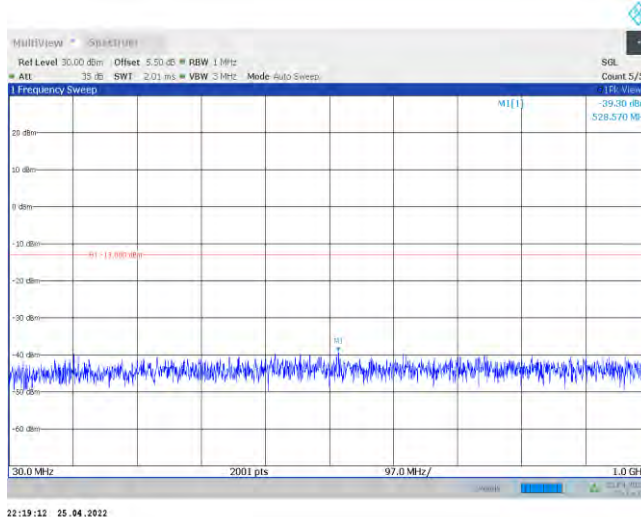


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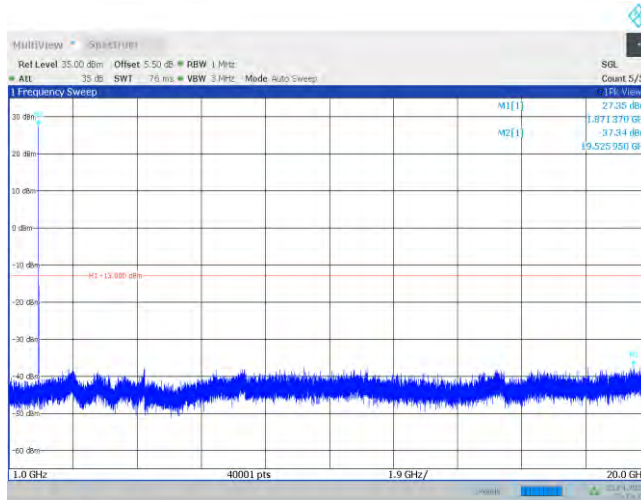
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2-2-20MHz-20MHz-QPSK-QPSK-18902-19100-1RB#0-0RB#0-30~1000MHz



22:19:12 25.04.2022

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



22:19:19 25.04.2022



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## Field Strength of Spurious Radiation

Test Band = UL CA Band 2C\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	53.56	-111.07	-57.51	-13.00	44.51	252	198	Horizontal
2	5553.27	49.30	-106.36	-57.06	-13.00	44.06	262	296	Horizontal
3	7404.36	48.37	-100.78	-52.41	-13.00	39.41	241	164	Horizontal
4	9255.45	46.52	-95.08	-48.56	-13.00	35.56	175	116	Horizontal
5	11106.54	41.54	-91.12	-49.58	-13.00	36.58	263	149	Horizontal
6	12957.63	42.78	-90.60	-47.82	-13.00	34.82	251	245	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	54.37	-111.07	-56.70	-13.00	43.70	263	180	Vertical
2	5553.27	49.79	-106.36	-56.57	-13.00	43.57	241	245	Vertical
3	7404.36	49.81	-100.78	-50.97	-13.00	37.97	175	359	Vertical
4	9255.45	47.04	-95.08	-48.04	-13.00	35.04	262	351	Vertical
5	11106.54	42.29	-91.12	-48.83	-13.00	35.83	241	245	Vertical
6	12957.63	42.09	-90.60	-48.51	-13.00	35.51	188	100	Vertical



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**Test Band = UL CA Band 2C\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3722.18	53.46	-110.97	-57.51	-13.00	44.51	263	196	Horizontal
2	5583.27	50.20	-106.26	-56.06	-13.00	43.06	251	246	Horizontal
3	7444.76	46.66	-100.60	-53.94	-13.00	40.94	174	343	Horizontal
4	9305.95	47.88	-95.07	-47.19	-13.00	34.19	262	265	Horizontal
5	11167.14	43.64	-90.92	-47.28	-13.00	34.28	284	212	Horizontal
6	13028.33	42.89	-90.43	-47.54	-13.00	34.54	177	312	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3722.18	56.39	-110.97	-54.58	-13.00	41.58	263	192	Vertical
2	5583.27	49.63	-106.26	-56.63	-13.00	43.63	251	3	Vertical
3	7444.76	51.00	-100.60	-49.60	-13.00	36.60	174	64	Vertical
4	9305.95	46.85	-95.07	-48.22	-13.00	35.22	262	240	Vertical
5	11167.14	43.53	-90.92	-47.39	-13.00	34.39	284	257	Vertical
6	13028.33	43.43	-90.43	-47.00	-13.00	34.00	188	112	Vertical



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Test Band = UL CA Band 2C\_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.5	55.96	-110.86	-54.90	-13.00	41.90	263	198	Horizontal
2	5613.87	49.69	-106.14	-56.45	-13.00	43.45	251	198	Horizontal
3	7485.16	48.17	-100.42	-52.25	-13.00	39.25	174	98	Horizontal
4	9356.45	46.96	-94.95	-47.99	-13.00	34.99	162	47	Horizontal
5	11227.74	43.04	-90.96	-47.92	-13.00	34.92	284	181	Horizontal
6	13099.03	42.74	-90.06	-47.32	-13.00	34.32	166	81	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.5	58.08	-110.86	-52.78	-13.00	39.78	263	196	Vertical
2	5613.87	49.79	-106.14	-56.35	-13.00	43.35	251	227	Vertical
3	7485.16	50.52	-100.42	-49.90	-13.00	36.90	174	179	Vertical
4	9356.45	46.52	-94.95	-48.43	-13.00	35.43	186	49	Vertical
5	11227.74	43.05	-90.96	-47.91	-13.00	34.91	264	351	Vertical
6	13099.03	41.73	-90.06	-48.33	-13.00	35.33	152	243	Vertical



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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	54.20	0.028982	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	VL	NT	46.10	0.024651	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	VN	NT	42.50	0.022726	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	19.20	0.010267	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	40	20.60	0.011015	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	30	43.00	0.022993	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	20	26.70	0.014277	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	10	29.60	0.015828	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	0	30.40	0.016256	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	-10	46.30	0.024758	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	-20	34.00	0.018181	PASS
2-2	20MHz-20MHz	QPSK-QPSK	18801-18999	100RB#0-100RB#0	NV	-30	41.80	0.022352	PASS

The End



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