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Appendix B.26

LTE CA_66B



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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
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	1RB#0-0RB#0	23.81	25.28	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	1RB#0-0RB#0	22.8	24.27	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	1RB#0-0RB#0	21.92	23.39	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	1RB#0-0RB#0	18.84	20.31	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	22.55	24.02	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	50RB#0-50RB#0	21.51	22.98	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	50RB#0-50RB#0	21.55	23.02	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	50RB#0-50RB#0	19.54	21.01	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	1RB#0-0RB#0	23.6	25.07	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	1RB#0-0RB#0	22.77	24.24	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	1RB#0-0RB#0	21.82	23.29	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	1RB#0-0RB#0	18.57	20.04	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	22.43	23.9	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	50RB#0-50RB#0	21.43	22.9	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	50RB#0-50RB#0	21.44	22.91	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	50RB#0-50RB#0	19.45	20.92	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#0-0RB#0	23.6	25.07	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	1RB#0-0RB#0	22.69	24.16	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	1RB#0-0RB#0	21.83	23.3	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	1RB#0-0RB#0	18.85	20.32	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	22.45	23.92	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	50RB#0-50RB#0	21.46	22.93	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	50RB#0-50RB#0	21.46	22.93	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	50RB#0-50RB#0	19.52	20.99	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	1RB#0-0RB#0	23.68	25.15	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	1RB#0-0RB#0	22.93	24.4	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132022-132094	1RB#0-0RB#0	22.04	23.51	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132022-132094	1RB#0-0RB#0	18.86	20.33	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	50RB#0-25RB#0	22.5	23.97	30	PASS



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66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	50RB#0-25RB#0	21.58	23.05	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132022-132094	50RB#0-25RB#0	21.64	23.11	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132022-132094	50RB#0-25RB#0	19.54	21.01	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	1RB#0-0RB#0	23.51	24.98	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	1RB#0-0RB#0	22.76	24.23	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132397-132469	1RB#0-0RB#0	21.85	23.32	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132397-132469	1RB#0-0RB#0	18.94	20.41	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	50RB#0-25RB#0	22.43	23.9	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	50RB#0-25RB#0	21.47	22.94	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132397-132469	50RB#0-25RB#0	21.42	22.89	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132397-132469	50RB#0-25RB#0	19.46	20.93	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	1RB#0-0RB#0	23.67	25.14	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	1RB#0-0RB#0	22.86	24.33	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132572-132644	1RB#0-0RB#0	21.82	23.29	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132572-132644	1RB#0-0RB#0	18.71	20.18	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	50RB#0-25RB#0	22.48	23.95	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	50RB#0-25RB#0	21.45	22.92	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132572-132644	50RB#0-25RB#0	21.48	22.95	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132572-132644	50RB#0-25RB#0	19.44	20.91	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	1RB#0-0RB#0	23.77	25.24	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	1RB#0-0RB#0	22.75	24.22	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132047-132140	1RB#0-0RB#0	22.05	23.52	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132047-132140	1RB#0-0RB#0	19	20.47	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	75RB#0-25RB#0	22.51	23.98	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	75RB#0-25RB#0	21.55	23.02	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132047-132140	75RB#0-25RB#0	21.53	23	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132047-132140	75RB#0-25RB#0	19.54	21.01	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	1RB#0-0RB#0	23.56	25.03	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	1RB#0-0RB#0	22.72	24.19	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132398-132491	1RB#0-0RB#0	21.87	23.34	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132398-132491	1RB#0-0RB#0	18.64	20.11	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	75RB#0-25RB#0	22.49	23.96	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	75RB#0-25RB#0	21.48	22.95	30	PASS



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66-66	15MHz-5MHz	64QAM-64QAM	132398-132491	75RB#0-25RB#0	21.5	22.97	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132398-132491	75RB#0-25RB#0	19.52	20.99	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	1RB#0-0RB#0	23.52	24.99	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	1RB#0-0RB#0	22.62	24.09	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132549-132642	1RB#0-0RB#0	21.75	23.22	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132549-132642	1RB#0-0RB#0	18.65	20.12	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	75RB#0-25RB#0	22.49	23.96	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	75RB#0-25RB#0	21.47	22.94	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132549-132642	75RB#0-25RB#0	21.5	22.97	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132549-132642	75RB#0-25RB#0	19.46	20.93	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132002-132095	1RB#0-0RB#0	23.98	25.45	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132002-132095	1RB#0-0RB#0	22.83	24.3	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132002-132095	1RB#0-0RB#0	21.86	23.33	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132002-132095	1RB#0-0RB#0	18.93	20.4	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132002-132095	25RB#0-75RB#0	22.48	23.95	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132002-132095	25RB#0-75RB#0	21.54	23.01	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132002-132095	25RB#0-75RB#0	21.62	23.09	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132002-132095	25RB#0-75RB#0	19.55	21.02	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132353-132446	1RB#0-0RB#0	23.49	24.96	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132353-132446	1RB#0-0RB#0	22.68	24.15	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132353-132446	1RB#0-0RB#0	21.86	23.33	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132353-132446	1RB#0-0RB#0	18.87	20.34	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132353-132446	25RB#0-75RB#0	21.92	23.39	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132353-132446	25RB#0-75RB#0	21.46	22.93	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132353-132446	25RB#0-75RB#0	21.5	22.97	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132353-132446	25RB#0-75RB#0	19.47	20.94	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132504-132597	1RB#0-0RB#0	23.68	25.15	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132504-132597	1RB#0-0RB#0	22.8	24.27	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132504-132597	1RB#0-0RB#0	21.91	23.38	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132504-132597	1RB#0-0RB#0	18.88	20.35	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132504-132597	25RB#0-75RB#0	22.44	23.91	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132504-132597	25RB#0-75RB#0	21.45	22.92	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132504-132597	25RB#0-75RB#0	21.48	22.95	30	PASS



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66-66	5MHz-15MHz	256QAM-256QAM	132504-132597	25RB#0-75RB#0	19.46	20.93	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	1RB#0-0RB#0	23.8	25.27	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	1RB#0-0RB#0	22.99	24.46	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	131997-132045	1RB#0-0RB#0	22.07	23.54	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	131997-132045	1RB#0-0RB#0	18.93	20.4	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	25RB#0-25RB#0	22.59	24.06	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	25RB#0-25RB#0	21.63	23.1	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	131997-132045	25RB#0-25RB#0	21.62	23.09	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	131997-132045	25RB#0-25RB#0	19.67	21.14	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	1RB#0-0RB#0	23.64	25.11	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	1RB#0-0RB#0	22.88	24.35	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132398-132446	1RB#0-0RB#0	21.92	23.39	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132398-132446	1RB#0-0RB#0	18.83	20.3	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	25RB#0-25RB#0	22.55	24.02	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	25RB#0-25RB#0	21.61	23.08	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132398-132446	25RB#0-25RB#0	21.62	23.09	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132398-132446	25RB#0-25RB#0	19.58	21.05	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	1RB#0-0RB#0	23.65	25.12	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	1RB#0-0RB#0	22.77	24.24	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132599-132647	1RB#0-0RB#0	21.91	23.38	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132599-132647	1RB#0-0RB#0	18.92	20.39	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	25RB#0-25RB#0	22.53	24	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	25RB#0-25RB#0	21.61	23.08	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132599-132647	25RB#0-25RB#0	21.62	23.09	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132599-132647	25RB#0-25RB#0	19.6	21.07	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132000-132072	1RB#0-0RB#0	23.82	25.29	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132000-132072	1RB#0-0RB#0	22.89	24.36	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132000-132072	1RB#0-0RB#0	22.04	23.51	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	1RB#0-0RB#0	18.99	20.46	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132000-132072	25RB#0-50RB#0	22.55	24.02	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132000-132072	25RB#0-50RB#0	21.61	23.08	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132000-132072	25RB#0-50RB#0	21.61	23.08	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	25RB#0-50RB#0	19.55	21.02	30	PASS



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66-66	5MHz-10MHz	QPSK-QPSK	132375-132447	1RB#0-0RB#0	23.68	25.15	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132375-132447	1RB#0-0RB#0	22.85	24.32	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	1RB#0-0RB#0	21.9	23.37	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132375-132447	1RB#0-0RB#0	18.74	20.21	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132375-132447	25RB#0-50RB#0	22.59	24.06	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132375-132447	25RB#0-50RB#0	21.47	22.94	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	25RB#0-50RB#0	21.48	22.95	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132375-132447	25RB#0-50RB#0	19.46	20.93	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132550-132622	1RB#0-0RB#0	23.7	25.17	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132550-132622	1RB#0-0RB#0	22.74	24.21	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	1RB#0-0RB#0	22.01	23.48	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132550-132622	1RB#0-0RB#0	18.94	20.41	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132550-132622	25RB#0-50RB#0	22.46	23.93	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132550-132622	25RB#0-50RB#0	21.53	23	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	25RB#0-50RB#0	21.43	22.9	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132550-132622	25RB#0-50RB#0	19.51	20.98	30	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	7.94	13	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	7.98	13	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	7.96	13	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	50RB#0-50RB#0	8.10	13	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	50RB#0-50RB#0	8.10	13	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	50RB#0-50RB#0	8.10	13	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	50RB#0-50RB#0	8.14	13	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	50RB#0-50RB#0	8.14	13	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	50RB#0-50RB#0	8.16	13	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	50RB#0-50RB#0	8.16	13	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	50RB#0-50RB#0	8.16	13	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	50RB#0-50RB#0	8.16	13	PASS



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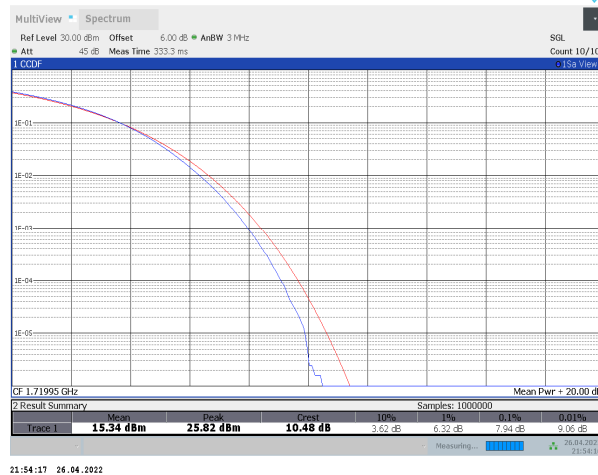
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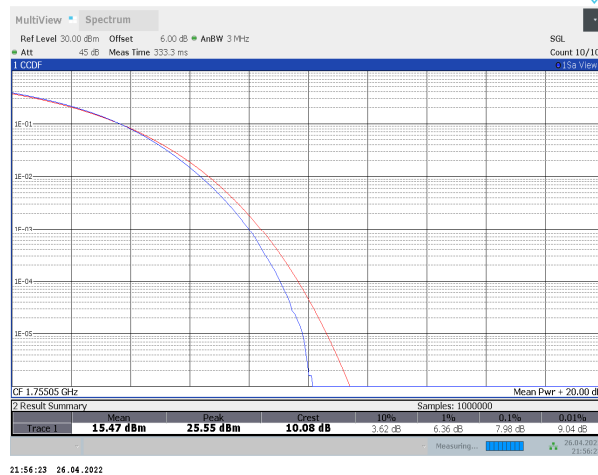
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Test Graphs

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-50RB#0-50RB#0



66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-50RB#0-50RB#0



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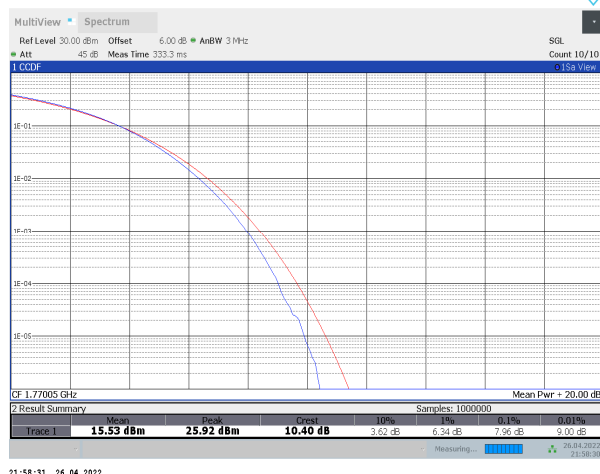
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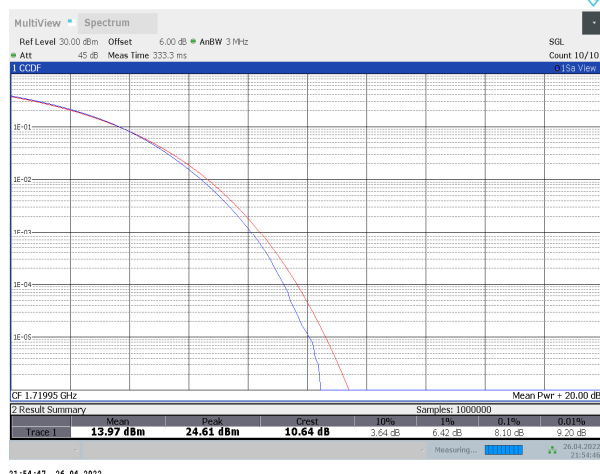
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66-66-10MHz-10MHz-16QAM-16QAM-132022-132121-50RB#0-50RB#0



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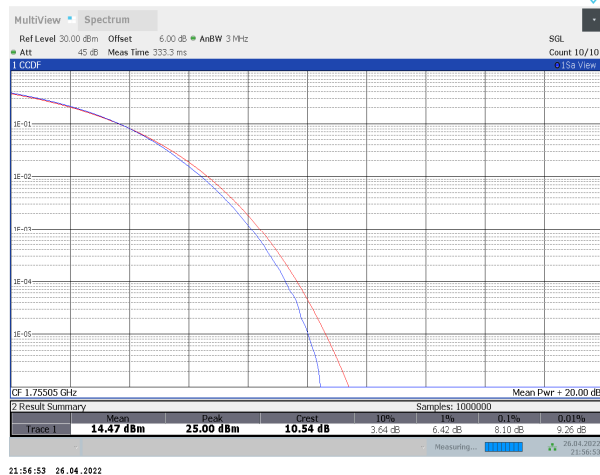
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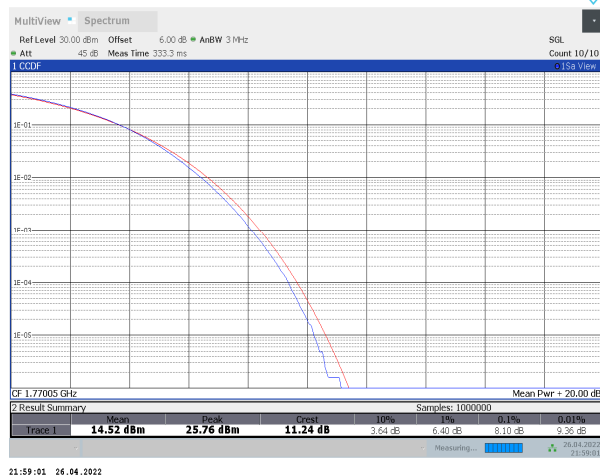
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66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-50RB#0-50RB#0



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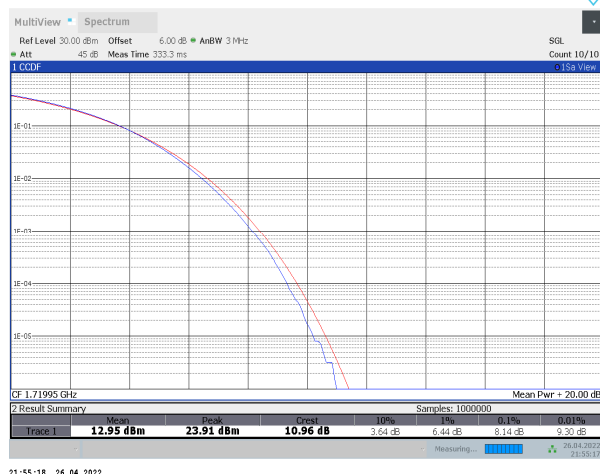
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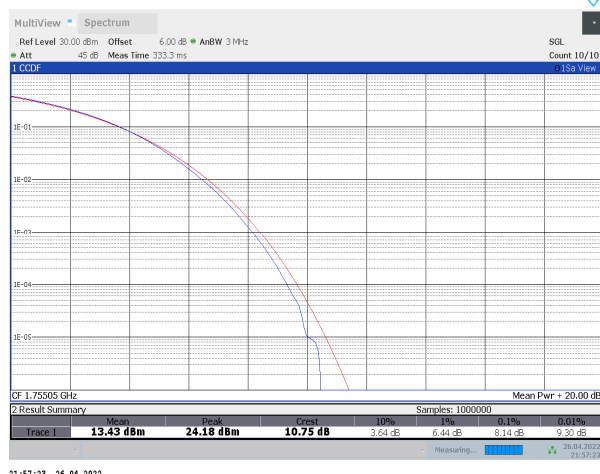
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66-66-10MHz-10MHz-64QAM-64QAM-132373-132472-50RB#0-50RB#0



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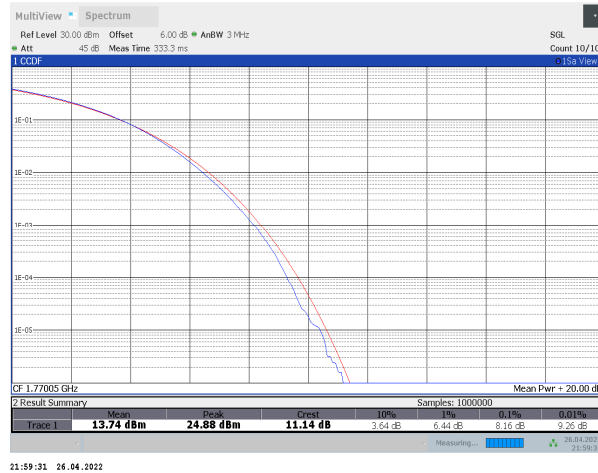


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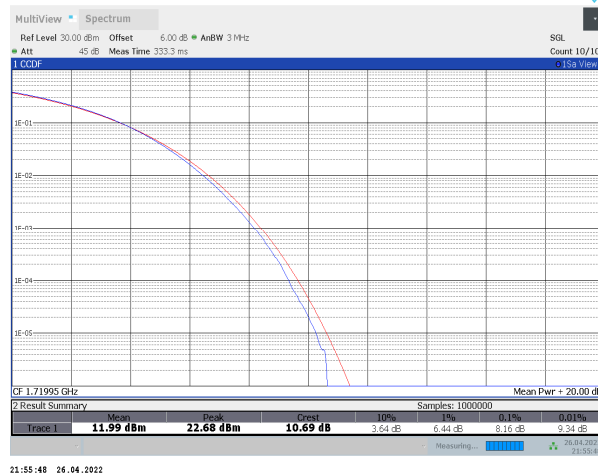
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66-66-10MHz-10MHz-256QAM-256QAM-132022-132121-50RB#0-50RB#0



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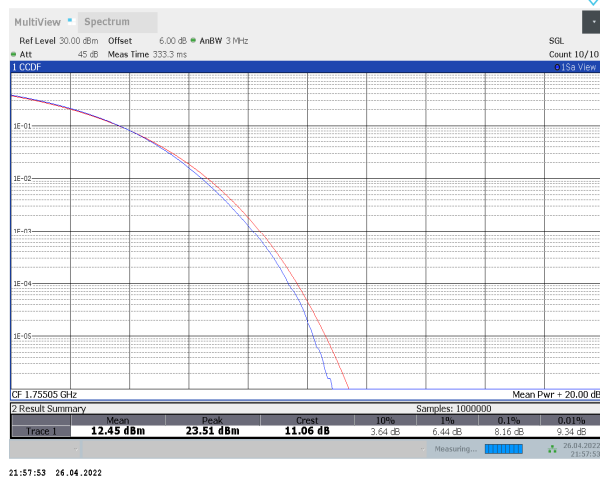
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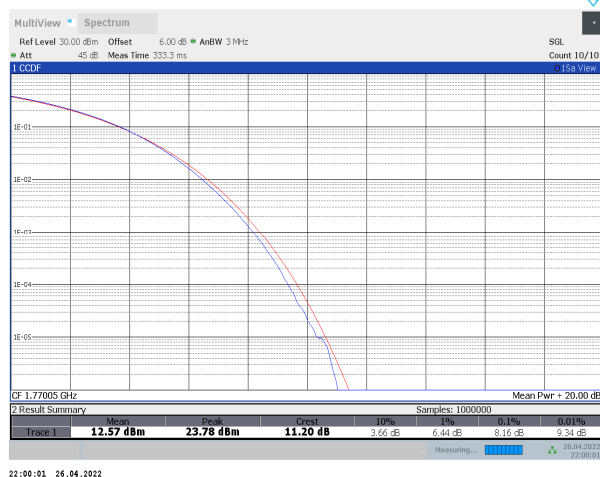
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66-66-10MHz-10MHz-256QAM-256QAM-132523-132622-50RB#0-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	18.768	20.00	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	18.899	20.52	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	18.890	20.40	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	50RB#0-50RB#0	18.900	20.36	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	50RB#0-50RB#0	18.875	20.44	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	50RB#0-50RB#0	18.862	20.32	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	50RB#0-50RB#0	18.875	20.40	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	50RB#0-50RB#0	18.886	20.44	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	50RB#0-50RB#0	18.844	20.40	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	50RB#0-50RB#0	18.937	20.24	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	50RB#0-50RB#0	18.872	20.40	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	50RB#0-50RB#0	18.882	20.36	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	50RB#0-25RB#0	13.862	14.85	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	50RB#0-25RB#0	13.924	15.18	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	50RB#0-25RB#0	13.937	15.03	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	50RB#0-25RB#0	13.920	15.09	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	50RB#0-25RB#0	13.908	15.09	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	50RB#0-25RB#0	13.899	15.12	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132022-132094	50RB#0-25RB#0	13.940	15.03	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132397-132469	50RB#0-25RB#0	13.906	15.18	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132572-132644	50RB#0-25RB#0	13.911	15.06	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132022-132094	50RB#0-25RB#0	13.888	15.18	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132397-132469	50RB#0-25RB#0	13.910	15.03	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132572-132644	50RB#0-25RB#0	13.912	15.09	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	75RB#0-25RB#0	18.280	19.72	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	75RB#0-25RB#0	18.353	20.00	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	75RB#0-25RB#0	18.318	19.84	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	75RB#0-25RB#0	18.348	20.00	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	75RB#0-25RB#0	18.381	20.04	PASS



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66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	75RB#0-25RB#0	18.321	19.92	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132047-132140	75RB#0-25RB#0	18.356	19.92	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132398-132491	75RB#0-25RB#0	18.363	20.08	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132549-132642	75RB#0-25RB#0	18.318	19.84	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132047-132140	75RB#0-25RB#0	18.340	19.80	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132398-132491	75RB#0-25RB#0	18.376	19.80	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132549-132642	75RB#0-25RB#0	18.350	19.92	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132002-132095	25RB#0-75RB#0	18.394	19.44	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132353-132446	25RB#0-75RB#0	18.329	19.76	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132504-132597	25RB#0-75RB#0	18.295	19.64	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132002-132095	25RB#0-75RB#0	18.308	19.64	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132353-132446	25RB#0-75RB#0	18.301	19.60	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132504-132597	25RB#0-75RB#0	18.290	19.52	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132002-132095	25RB#0-75RB#0	18.307	19.60	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132353-132446	25RB#0-75RB#0	18.310	19.68	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132504-132597	25RB#0-75RB#0	18.250	19.60	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132002-132095	25RB#0-75RB#0	18.302	19.56	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132353-132446	25RB#0-75RB#0	18.320	19.48	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132504-132597	25RB#0-75RB#0	18.270	19.52	PASS
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	25RB#0-25RB#0	9.242	9.78	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	25RB#0-25RB#0	9.271	10.08	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	25RB#0-25RB#0	9.273	10.02	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	25RB#0-25RB#0	9.268	10.12	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	25RB#0-25RB#0	9.248	10.10	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	25RB#0-25RB#0	9.286	10.08	PASS
66-66	5MHz-5MHz	64QAM-64QAM	131997-132045	25RB#0-25RB#0	9.233	10.04	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132398-132446	25RB#0-25RB#0	9.266	10.00	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132599-132647	25RB#0-25RB#0	9.289	10.10	PASS
66-66	5MHz-5MHz	256QAM-256QAM	131997-132045	25RB#0-25RB#0	9.286	10.08	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132398-132446	25RB#0-25RB#0	9.256	10.02	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132599-132647	25RB#0-25RB#0	9.290	10.04	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132000-132072	25RB#0-50RB#0	13.924	14.94	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132375-132447	25RB#0-50RB#0	13.917	15.03	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132550-132622	25RB#0-50RB#0	13.902	14.97	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132000-132072	25RB#0-50RB#0	13.897	15.03	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132375-132447	25RB#0-50RB#0	13.904	14.85	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132550-132622	25RB#0-50RB#0	13.849	14.88	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132000-132072	25RB#0-50RB#0	13.902	14.91	PASS



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66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	25RB#0-50RB#0	13.894	15.00	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	25RB#0-50RB#0	13.867	14.85	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	25RB#0-50RB#0	13.914	14.94	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132375-132447	25RB#0-50RB#0	13.919	14.82	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132550-132622	25RB#0-50RB#0	13.925	14.85	PASS



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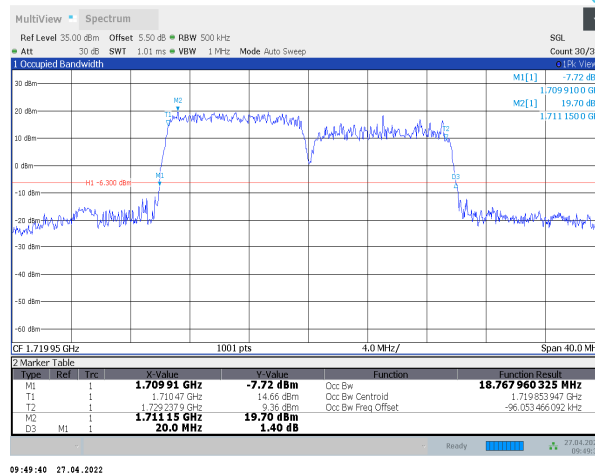
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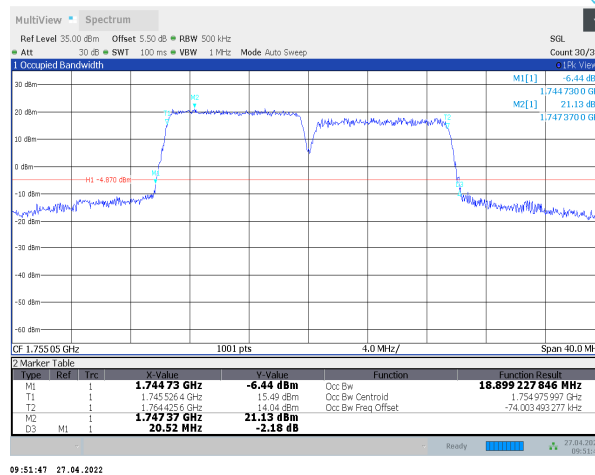
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Test Graphs

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66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-50RB#0-50RB#0



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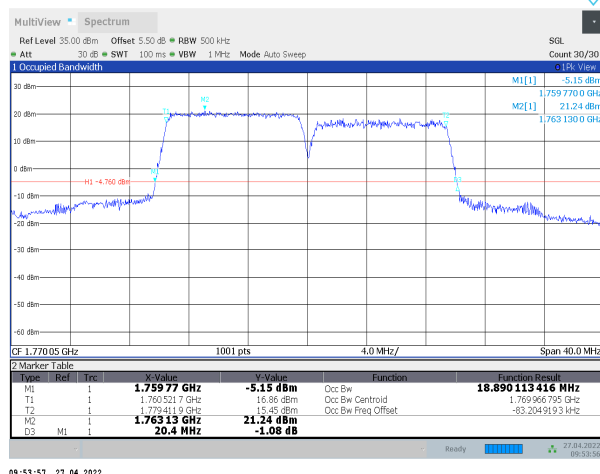
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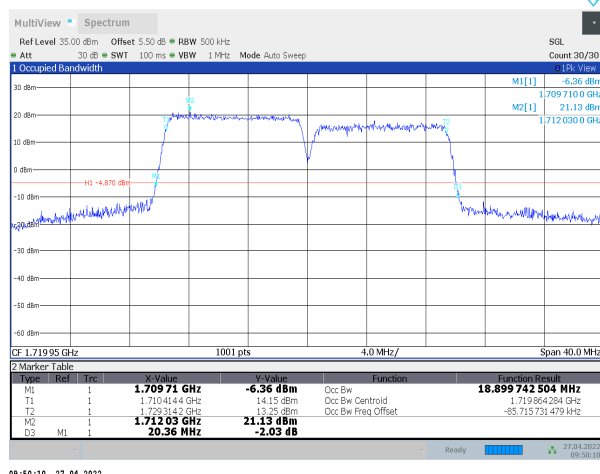
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66-66-10MHz-10MHz-16QAM-16QAM-132022-132121-50RB#0-50RB#0



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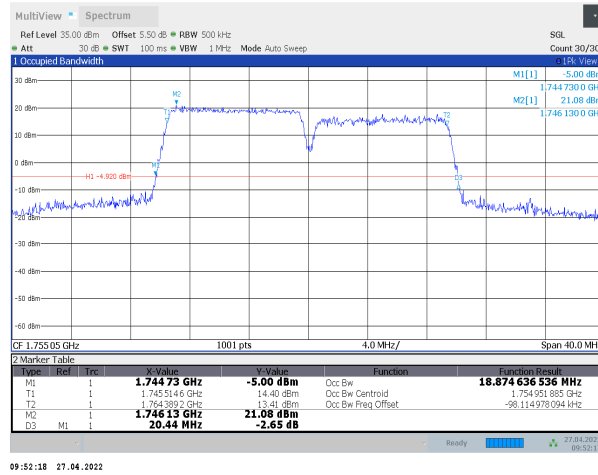
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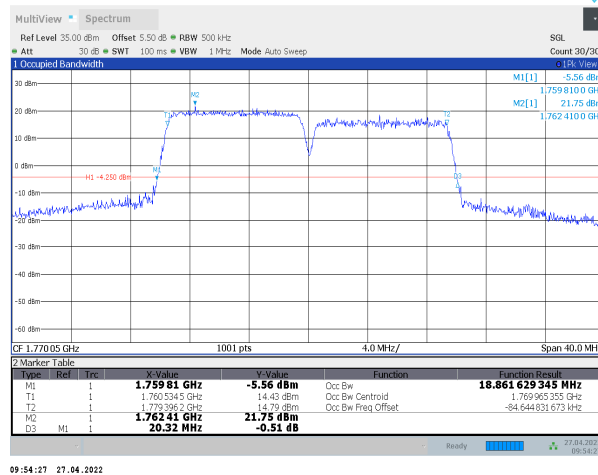
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66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-50RB#0-50RB#0



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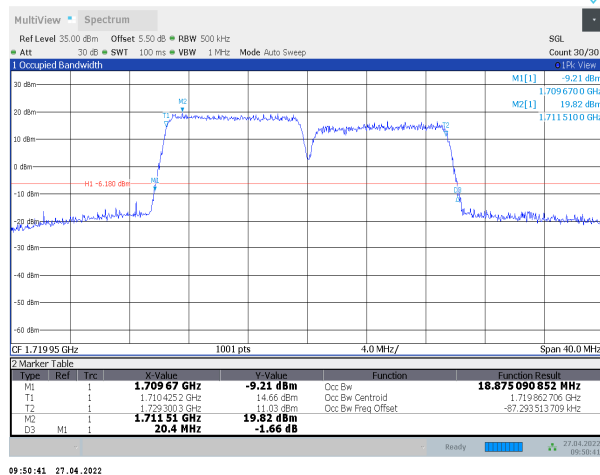
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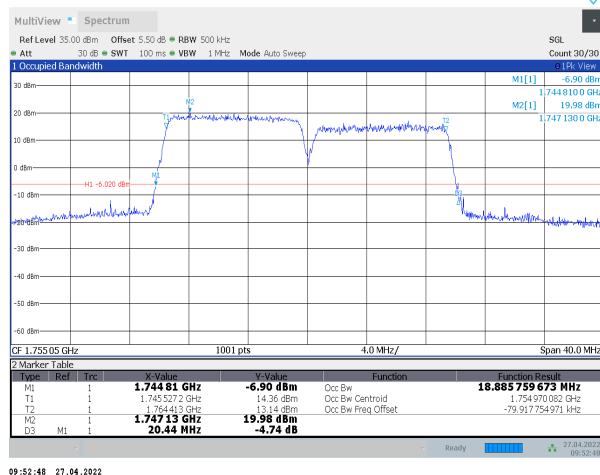
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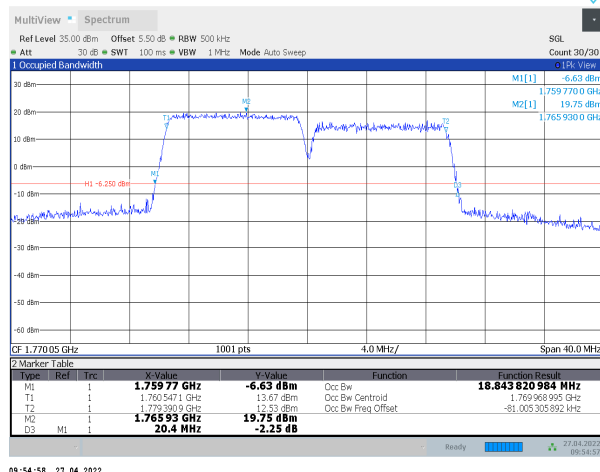


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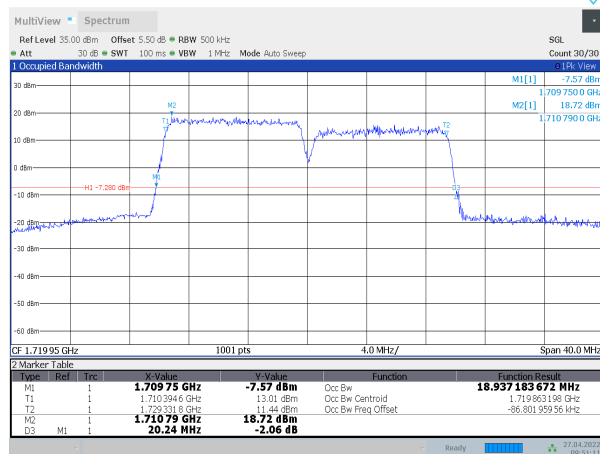
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66-66-10MHz-10MHz-256QAM-256QAM-132022-132121-50RB#0-50RB#0



09:51:12 27.04.2022



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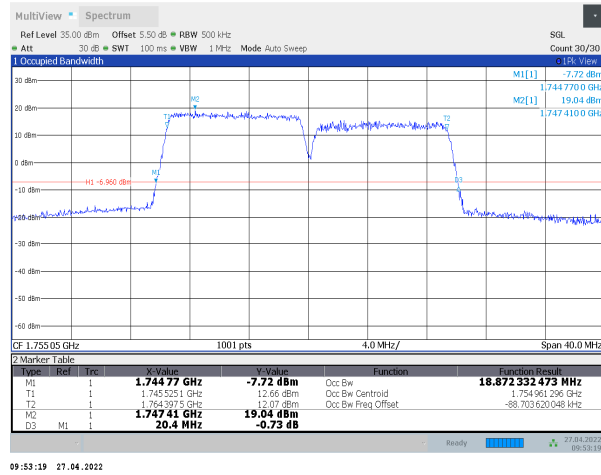
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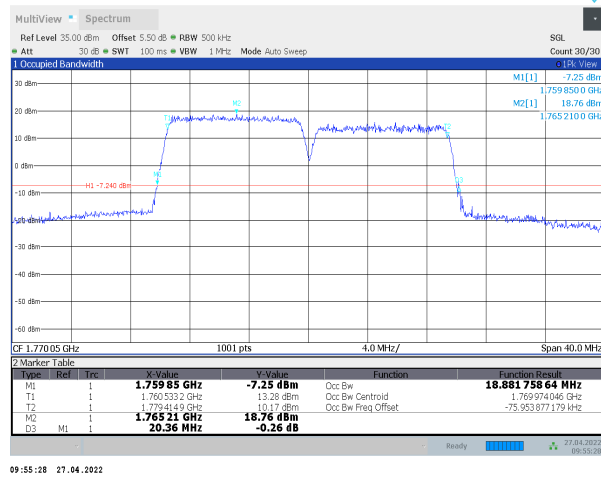
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66-66-10MHz-10MHz-256QAM-256QAM-132523-132622-50RB#0-50RB#0



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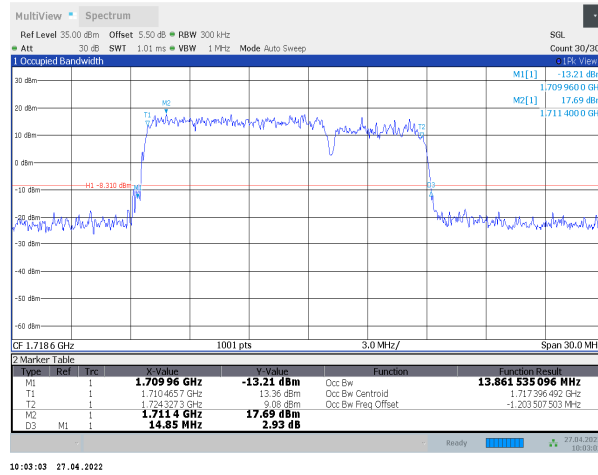
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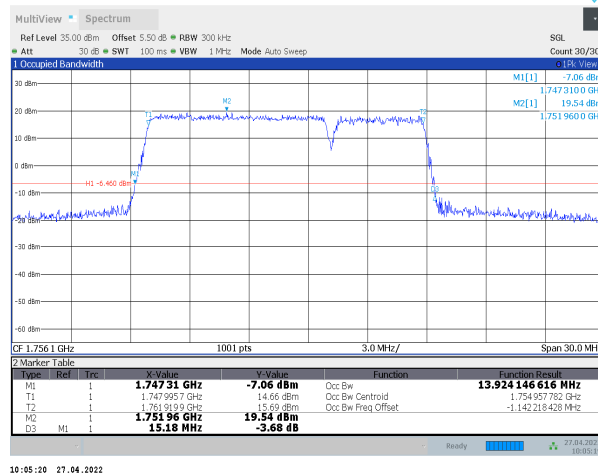
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66-66-10MHz-5MHz-QPSK-QPSK-132397-132469-50RB#0-25RB#0



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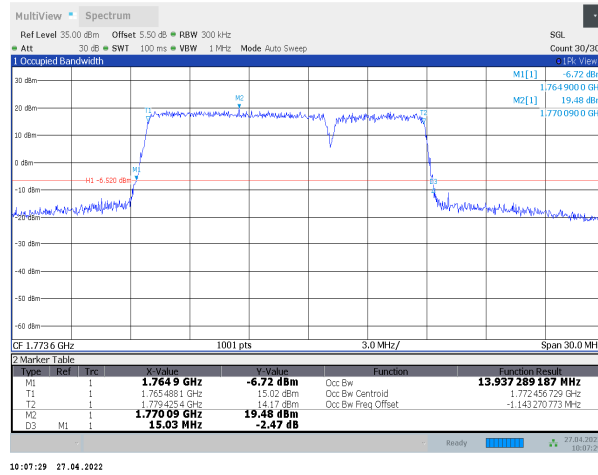
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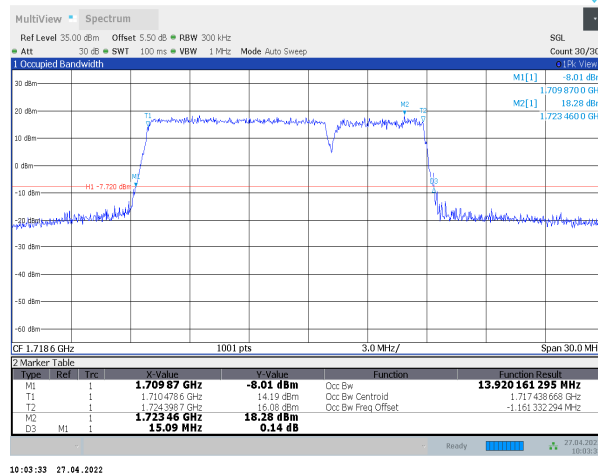
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66-66-10MHz-5MHz-16QAM-16QAM-132022-132094-50RB#0-25RB#0



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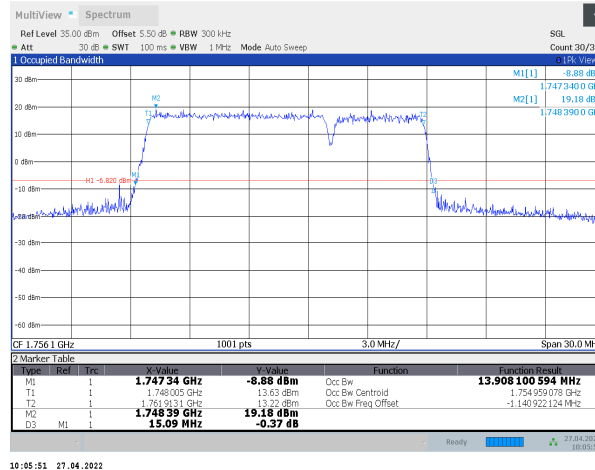
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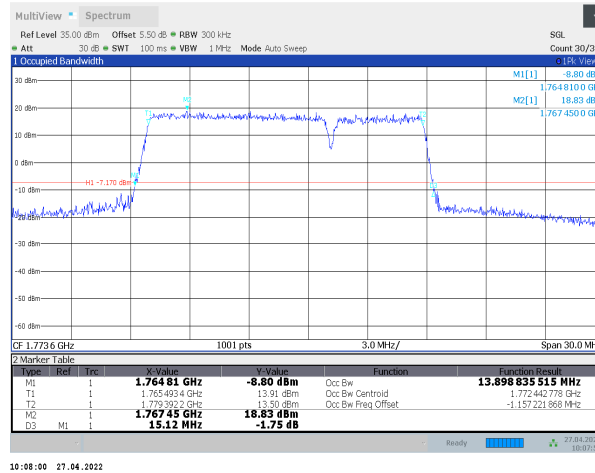
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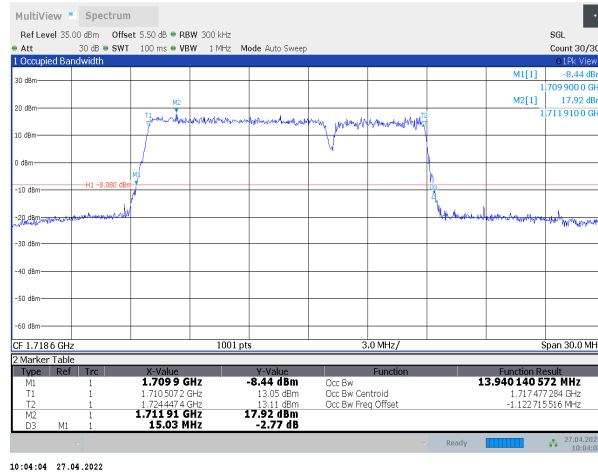


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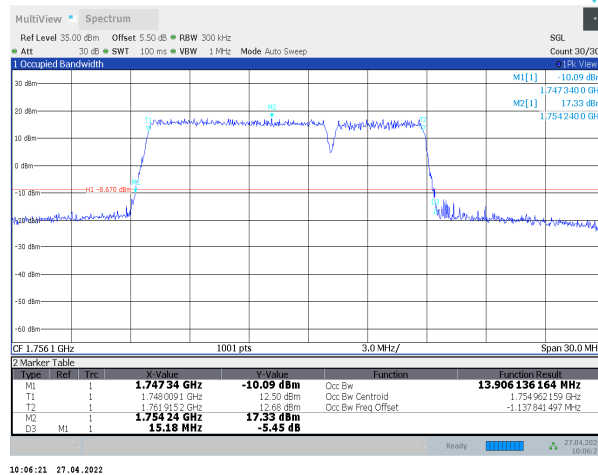
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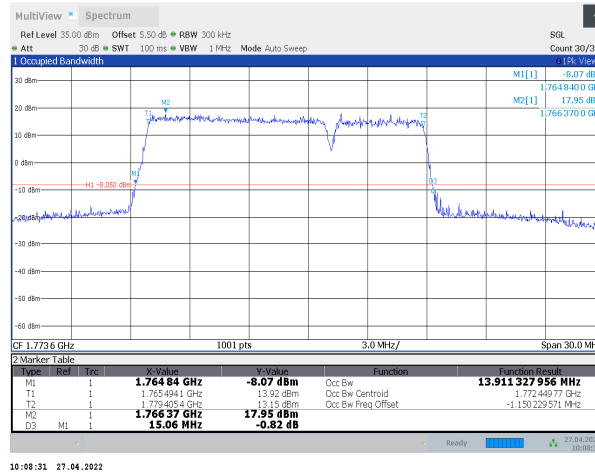
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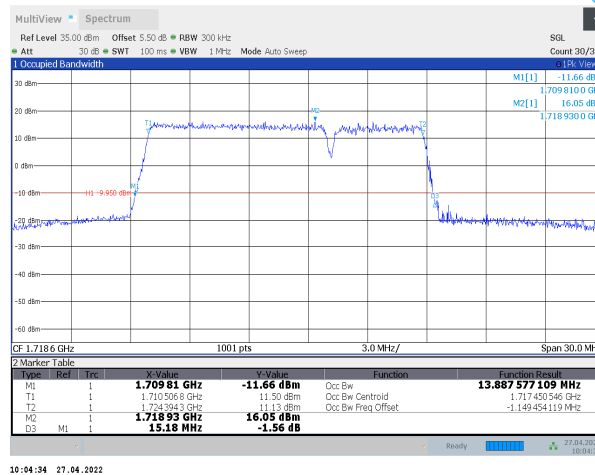
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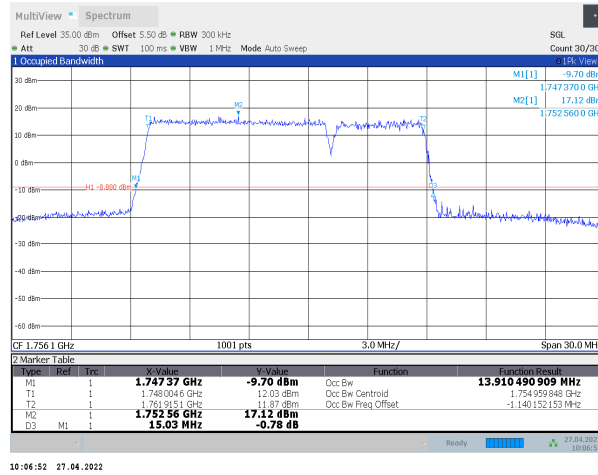
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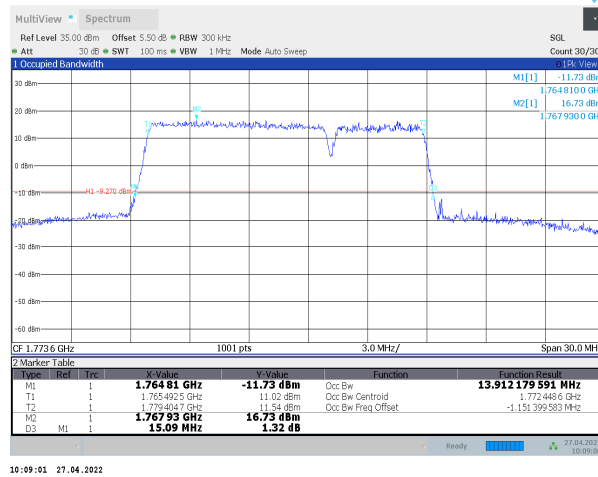
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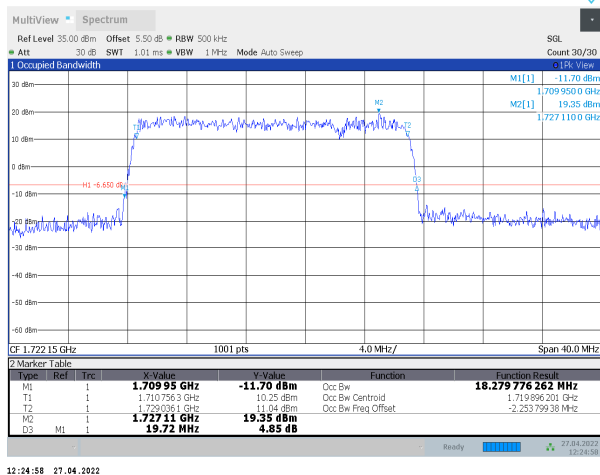
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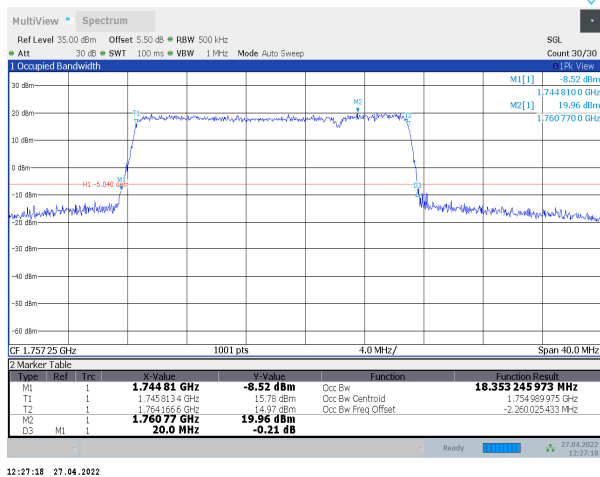
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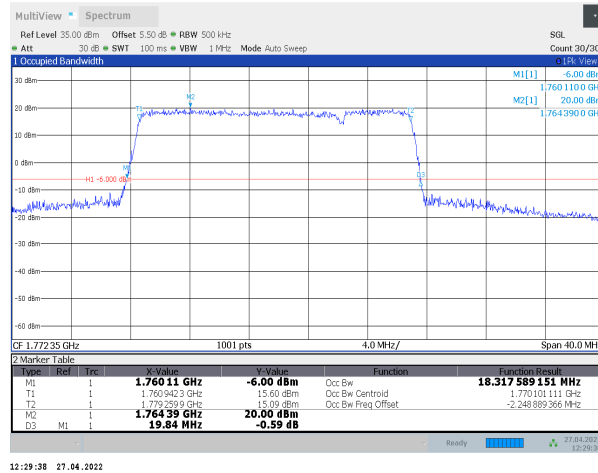


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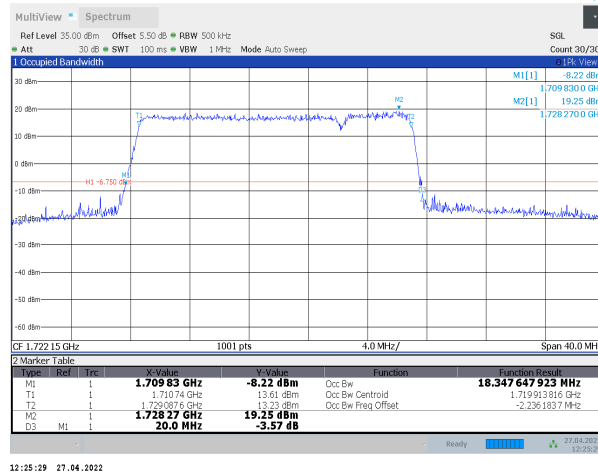
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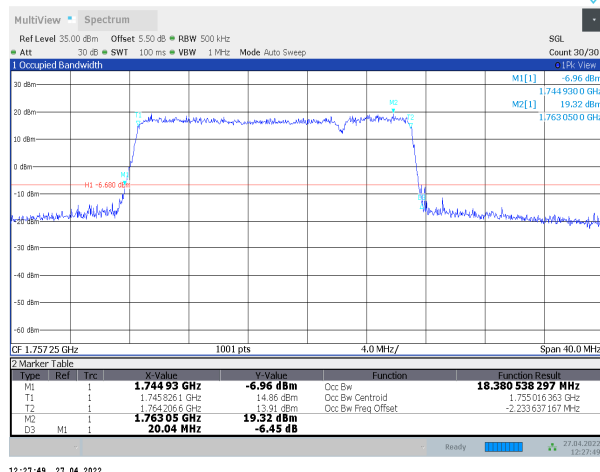
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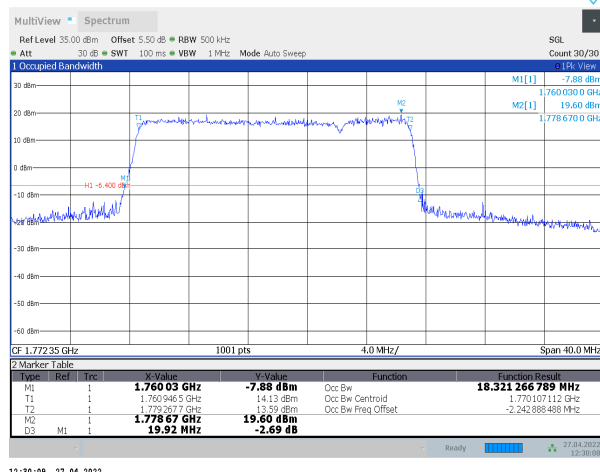
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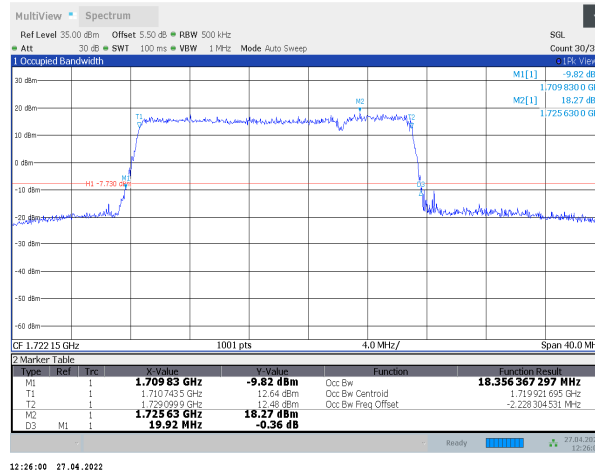
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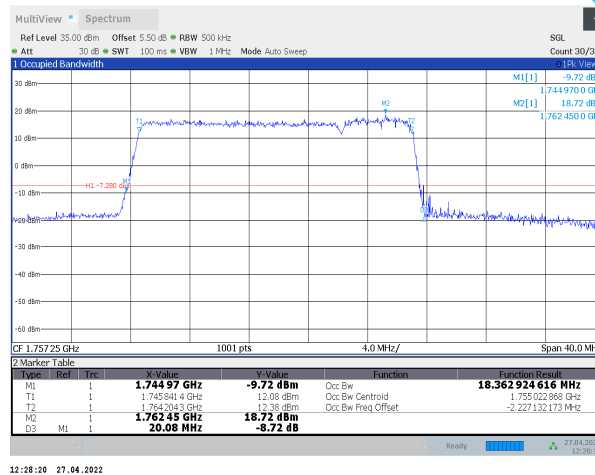
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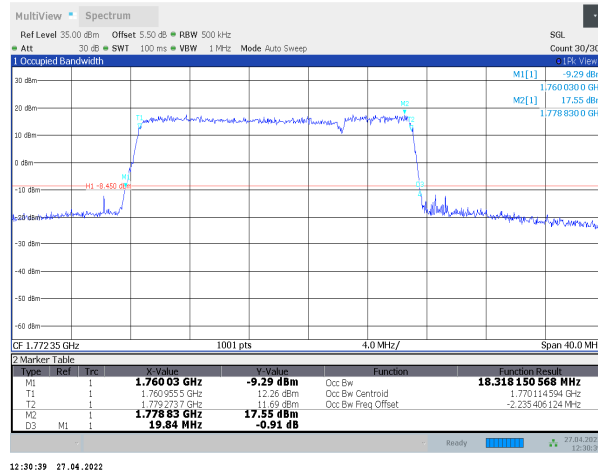
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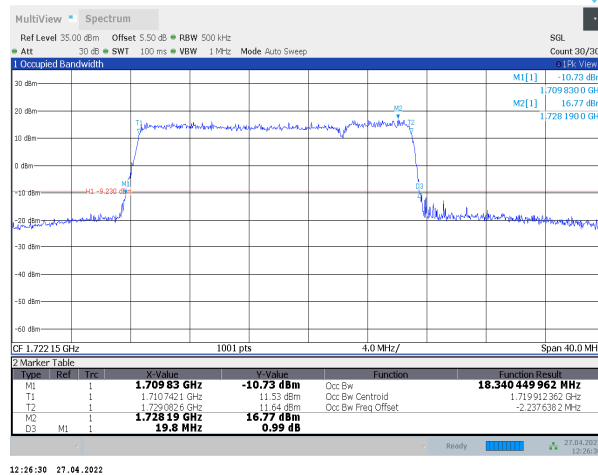
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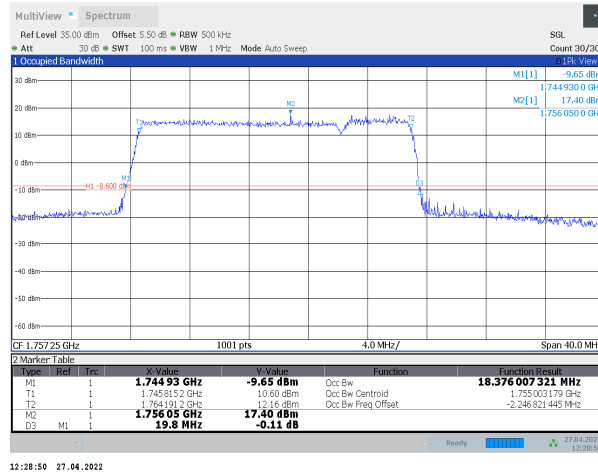
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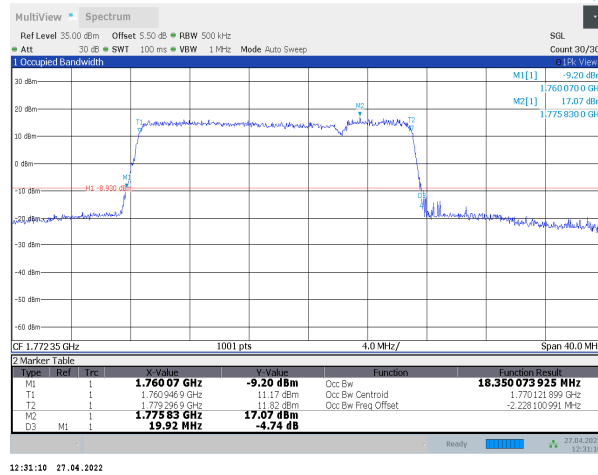
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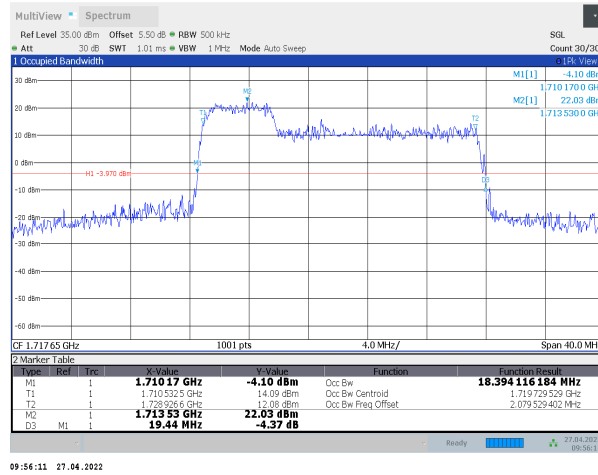
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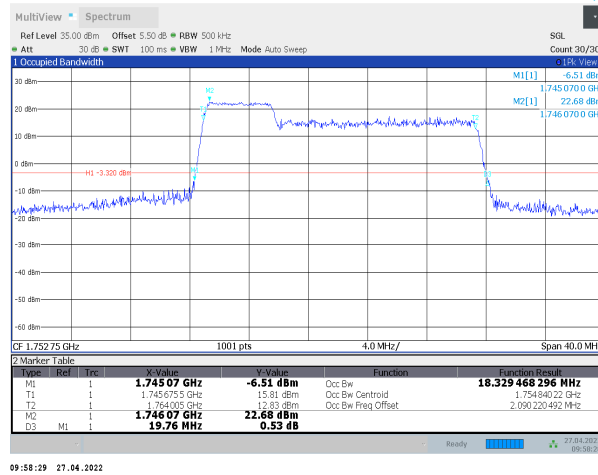
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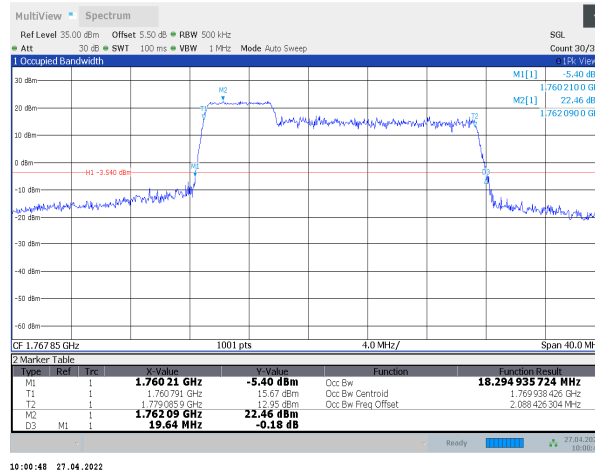
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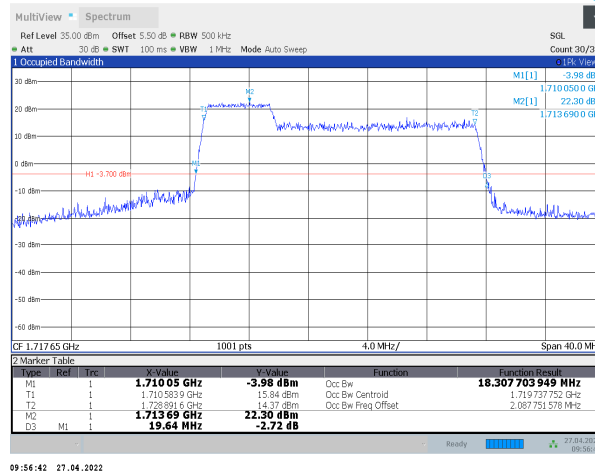
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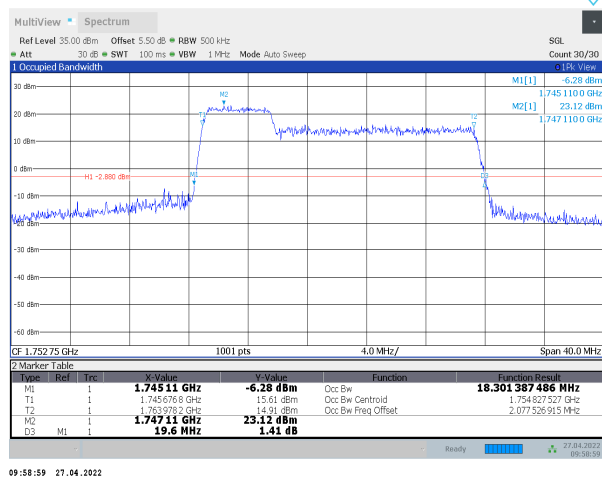
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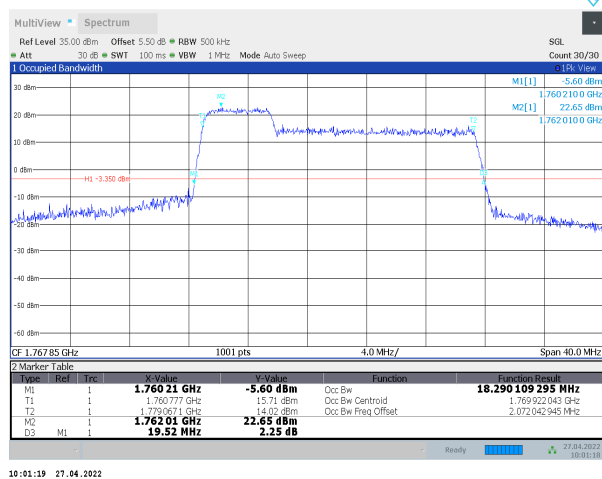
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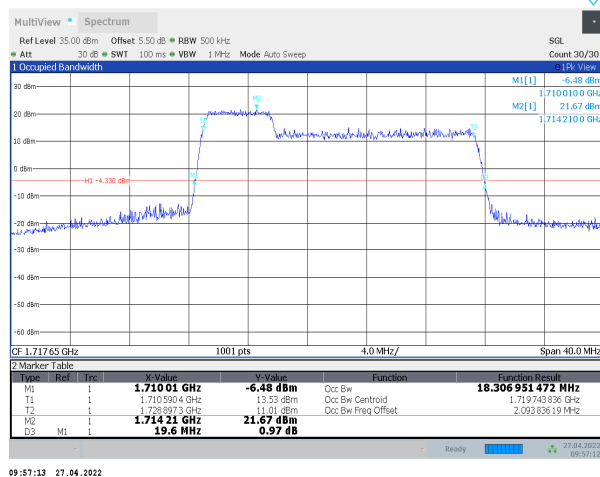
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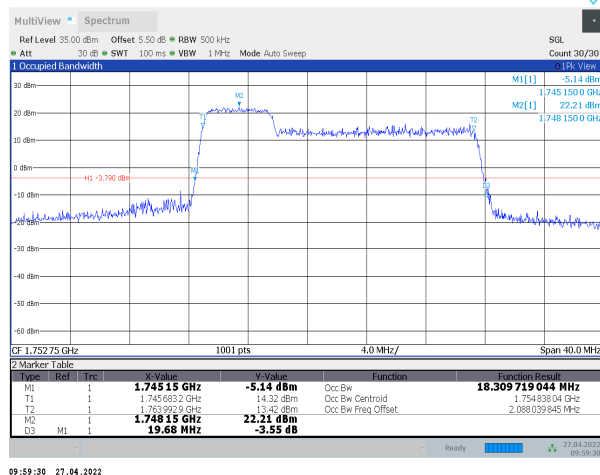
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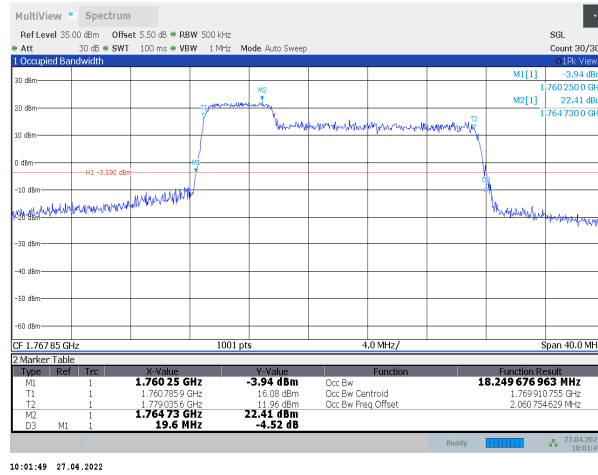
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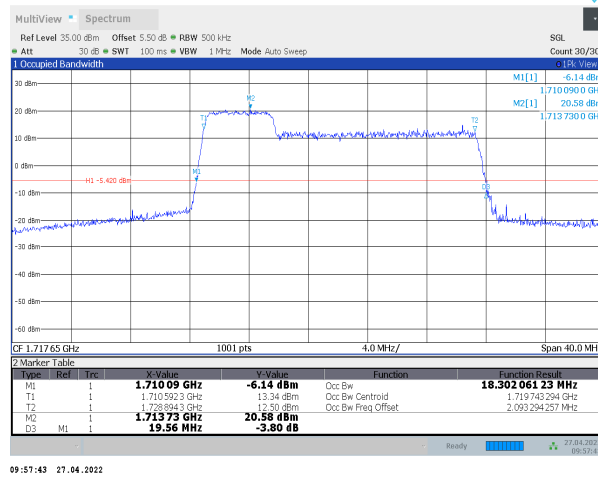
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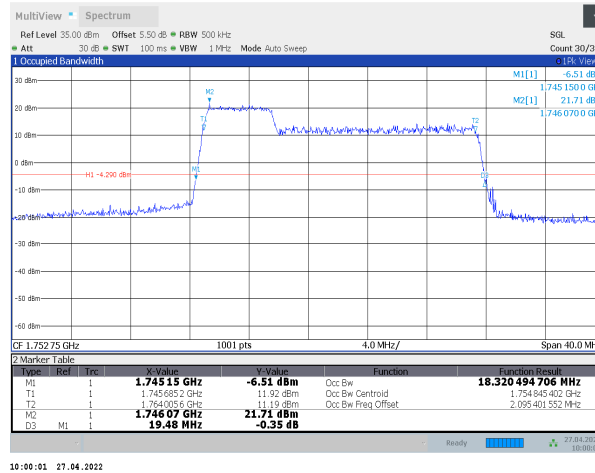
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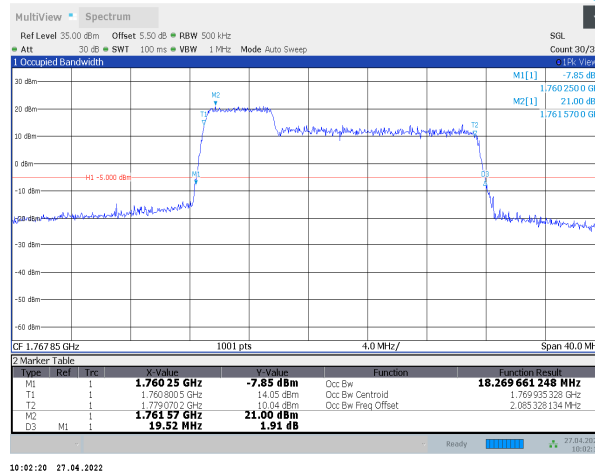
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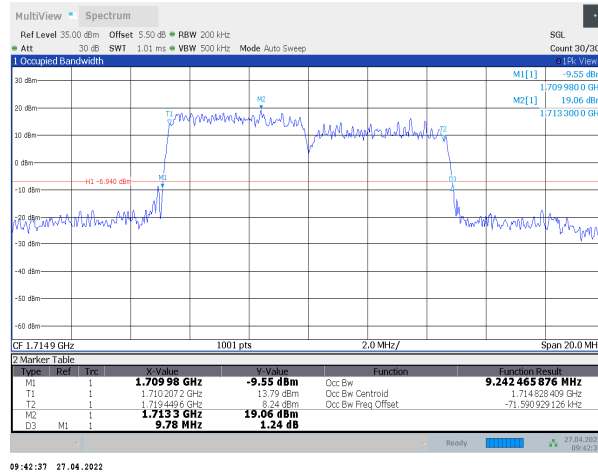
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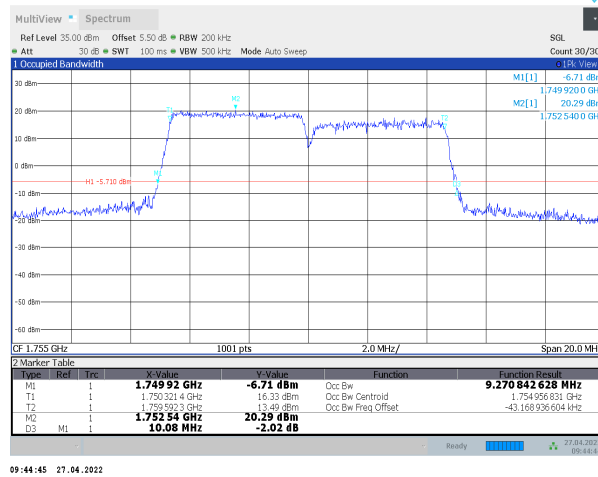
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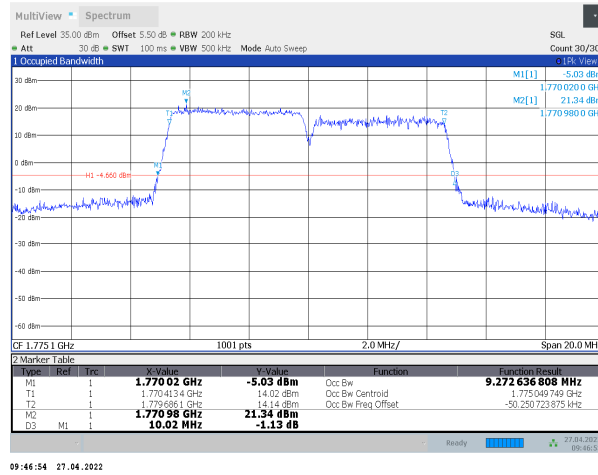
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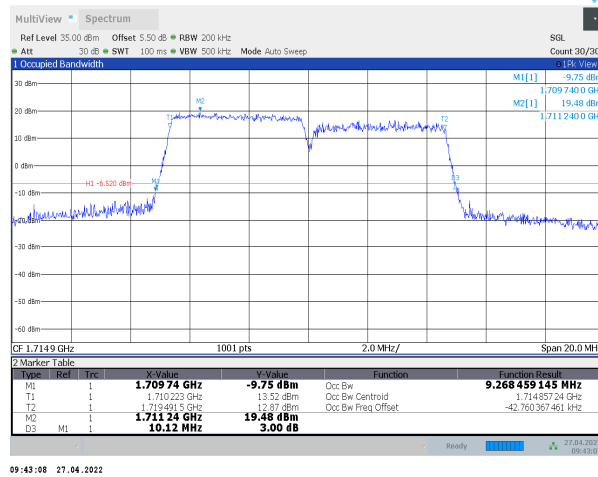
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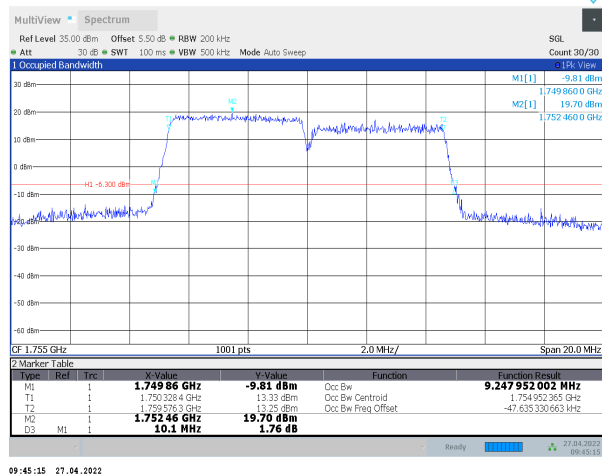
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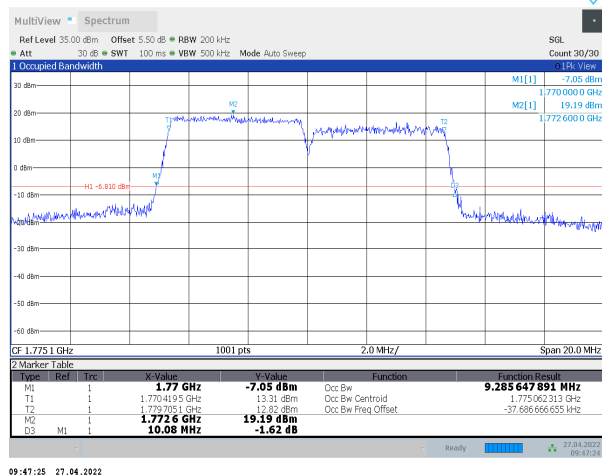
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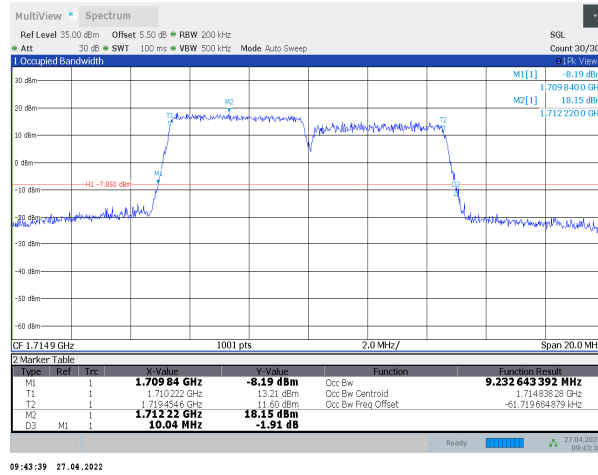
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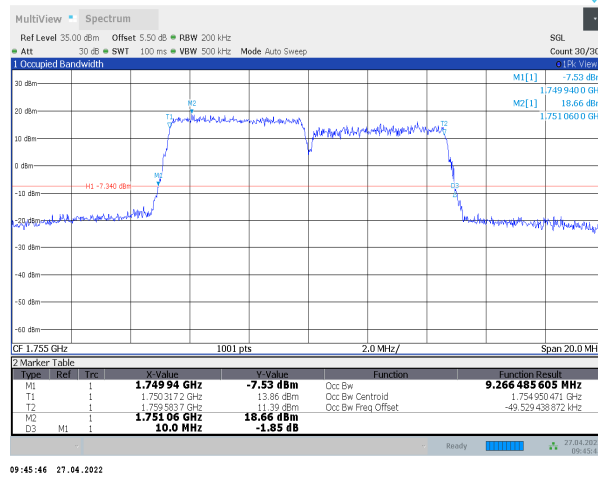
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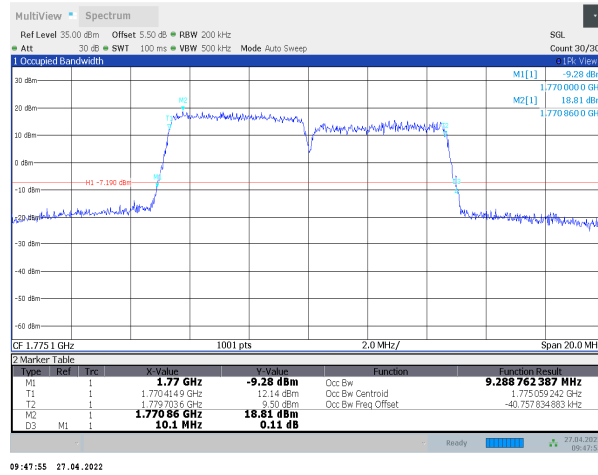
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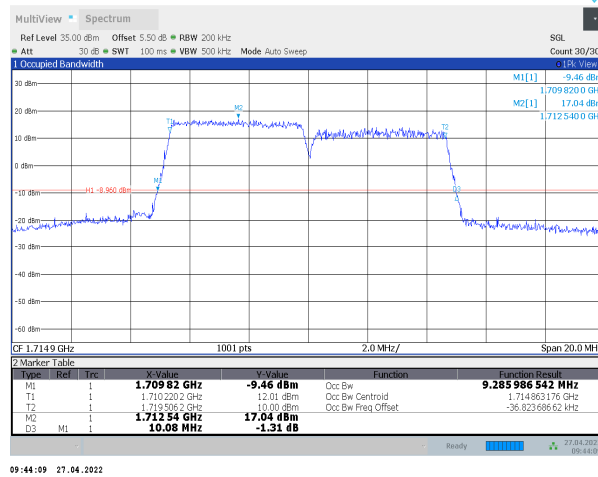
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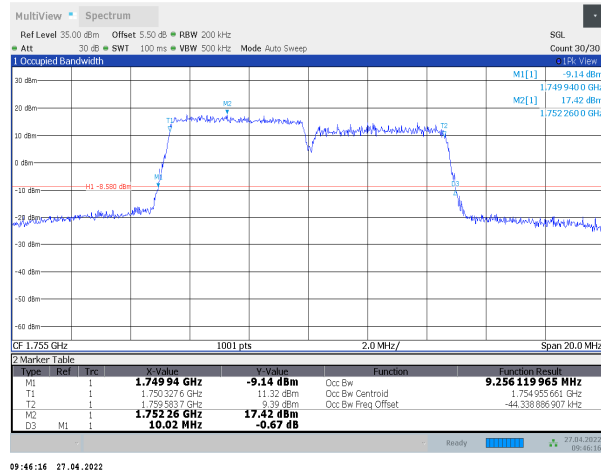
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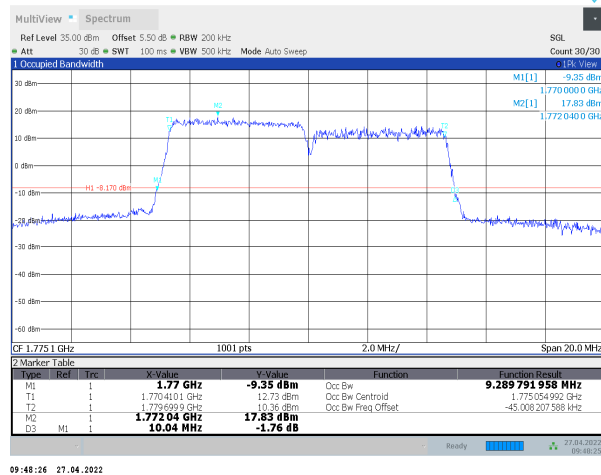
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66-66-5MHz-5MHz-256QAM-256QAM-132398-132446-25RB#0-25RB#0



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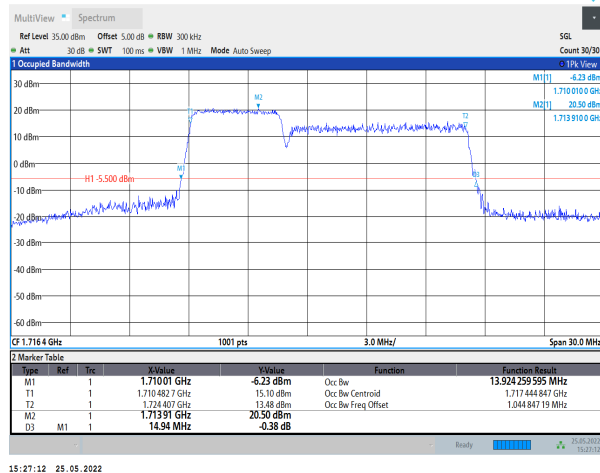


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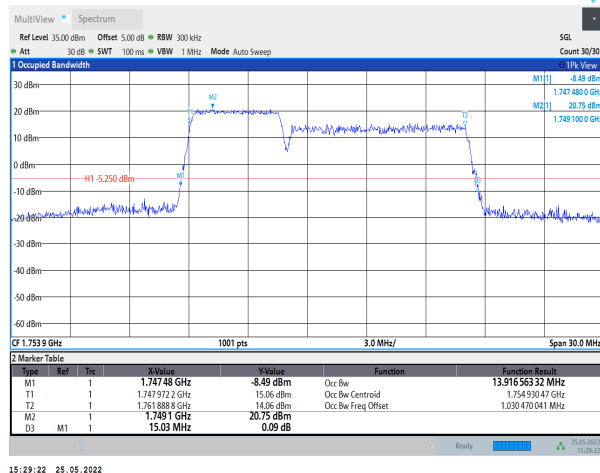
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66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-25RB#0-50RB#0



66-66-5MHz-10MHz-QPSK-QPSK-132375-132447-25RB#0-50RB#0



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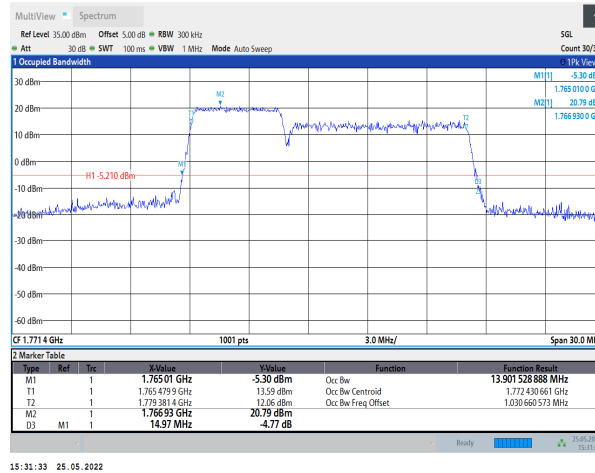
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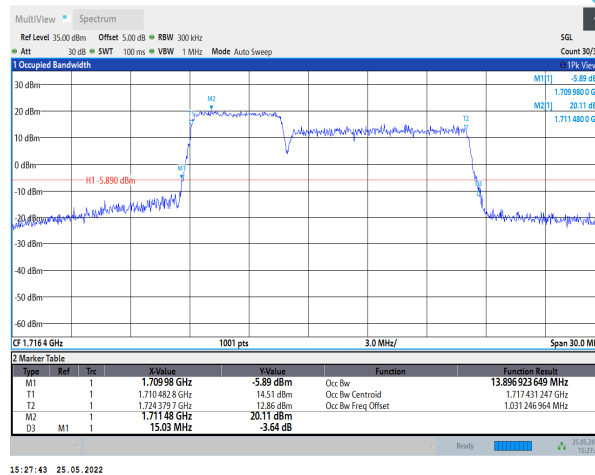
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66-66-5MHz-10MHz-16QAM-16QAM-132000-132072-25RB#0-50RB#0



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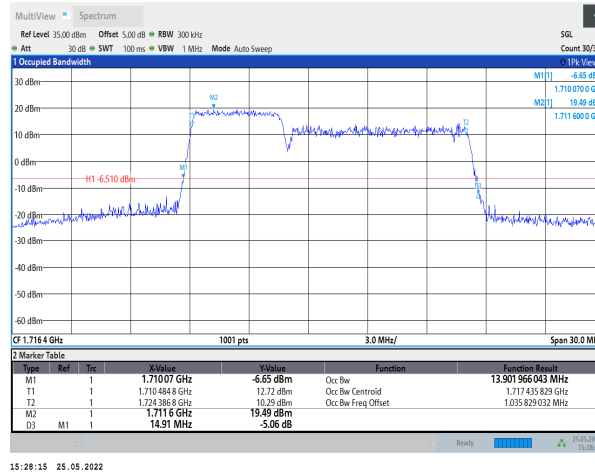
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66-66-5MHz-10MHz-64QAM-64QAM-132375-132447-25RB#0-50RB#0



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66-66-5MHz-10MHz-256QAM-256QAM-132000-132072-25RB#0-50RB#0

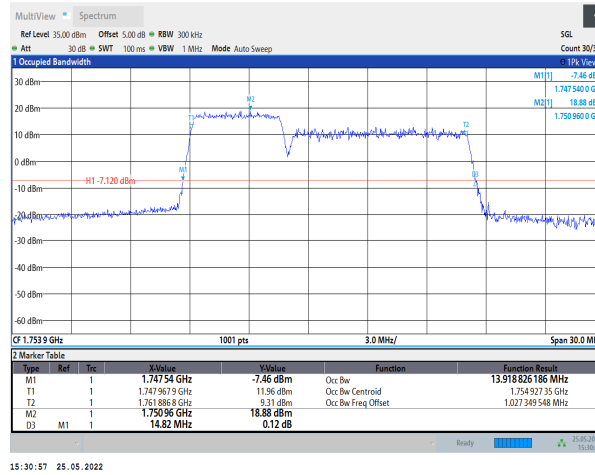


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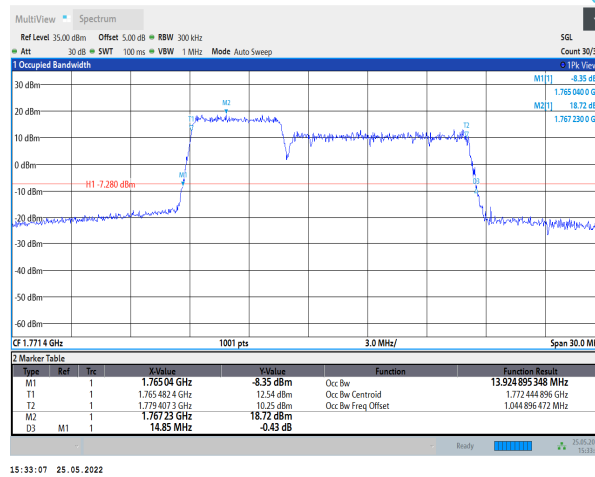
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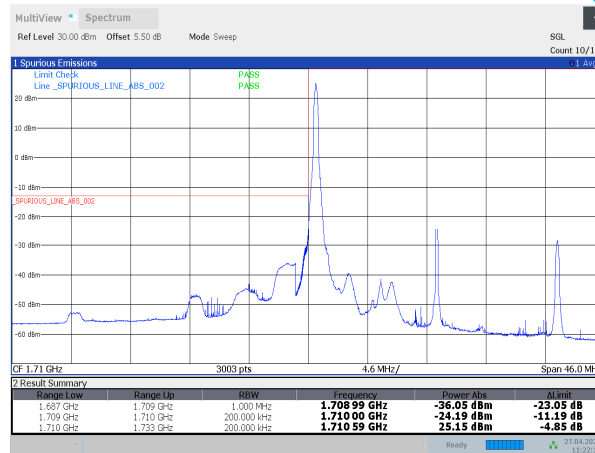
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Band Edge

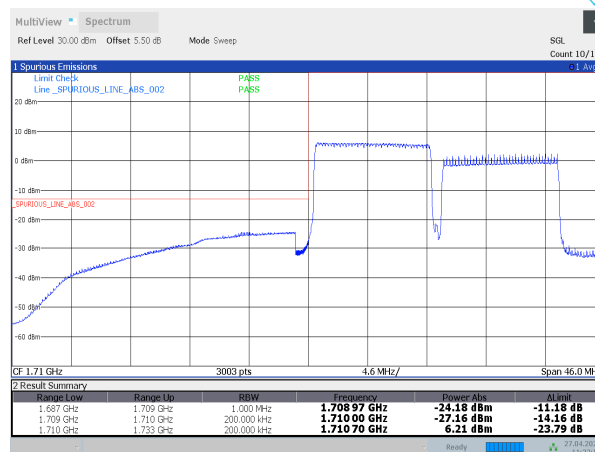
Test Graphs

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66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-50RB#0-50RB#0



11:22:56 27.04.2022



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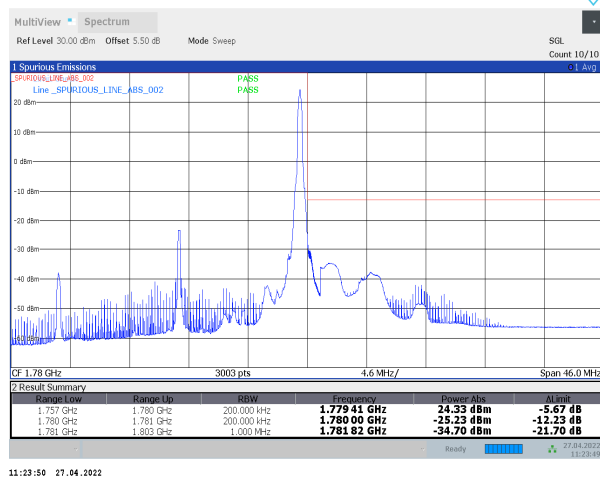
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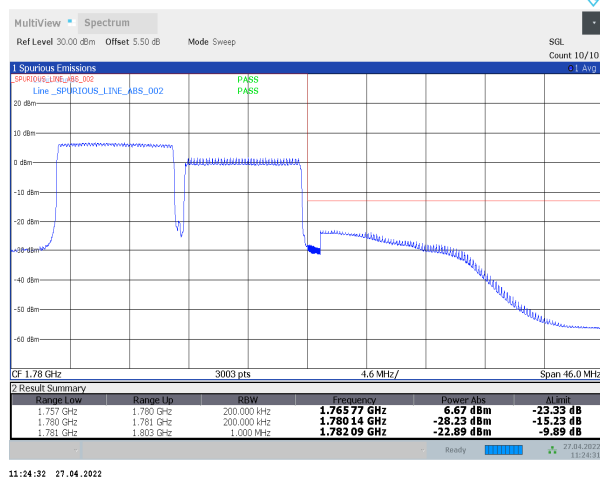
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66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-50RB#0-50RB#0



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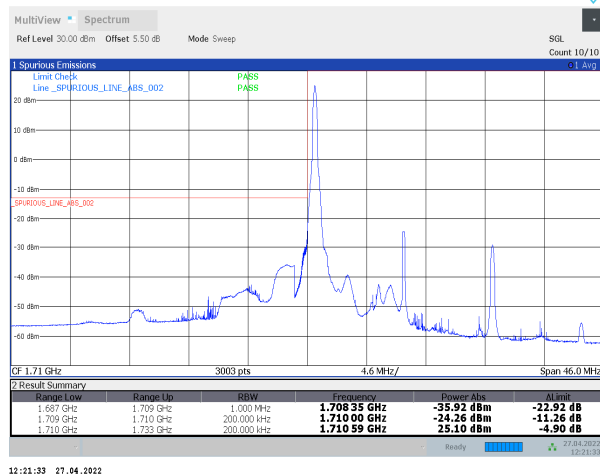
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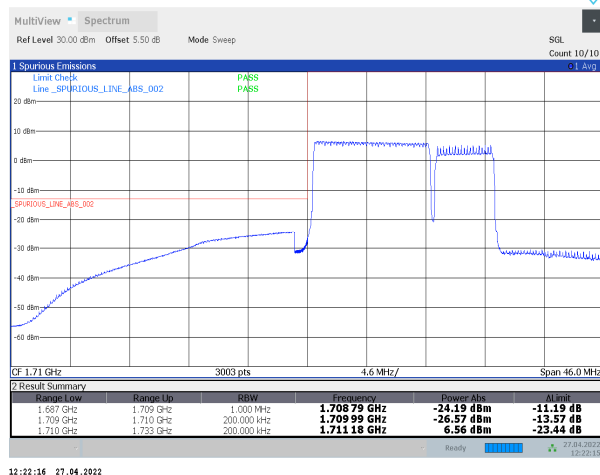
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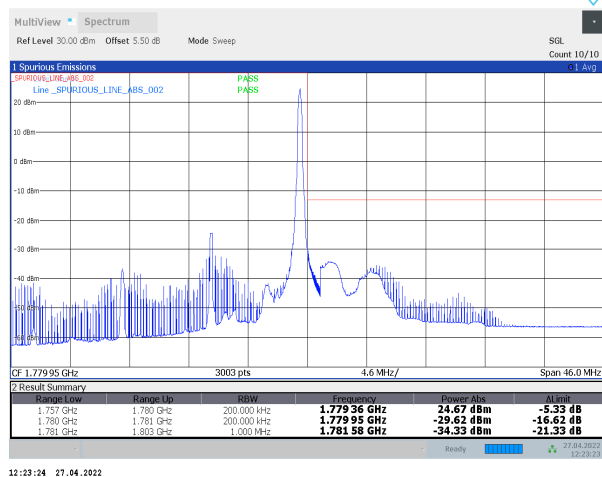
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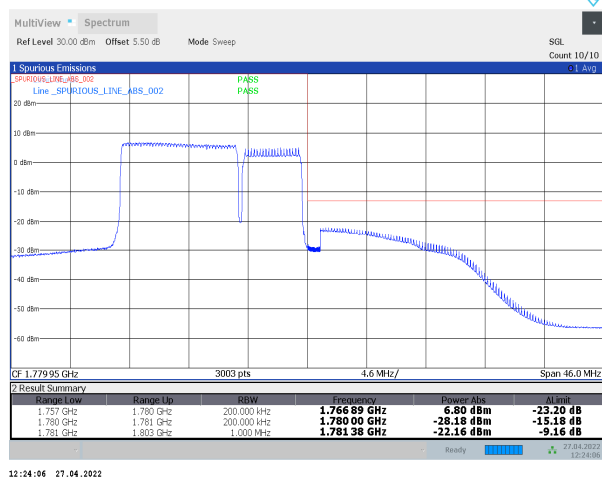
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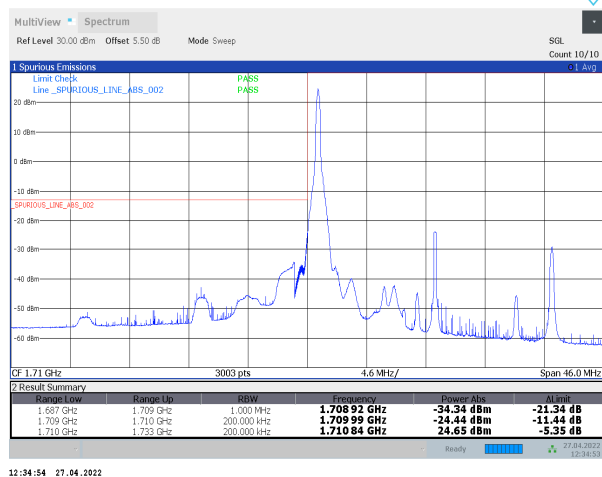
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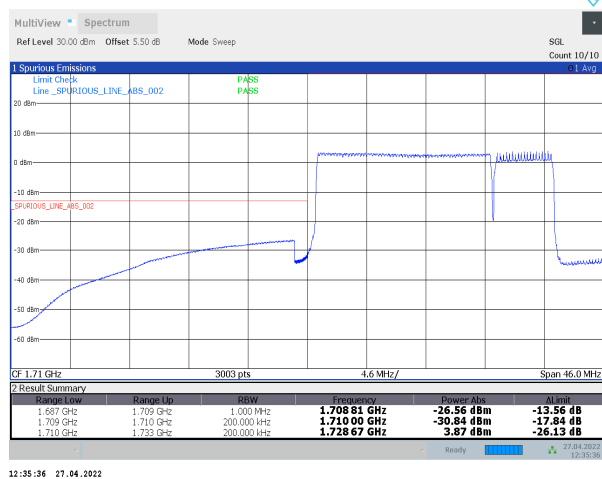
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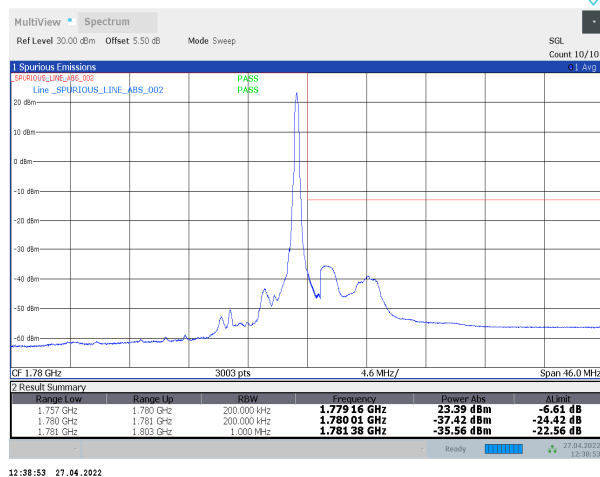
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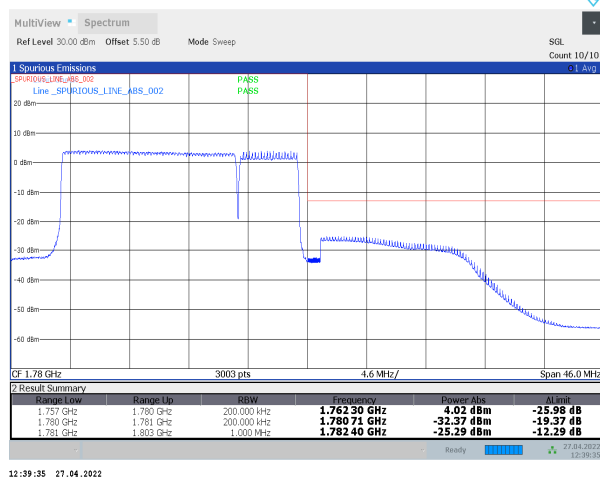
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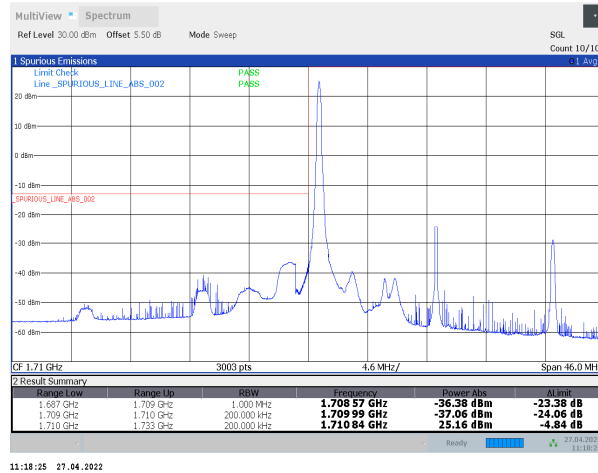
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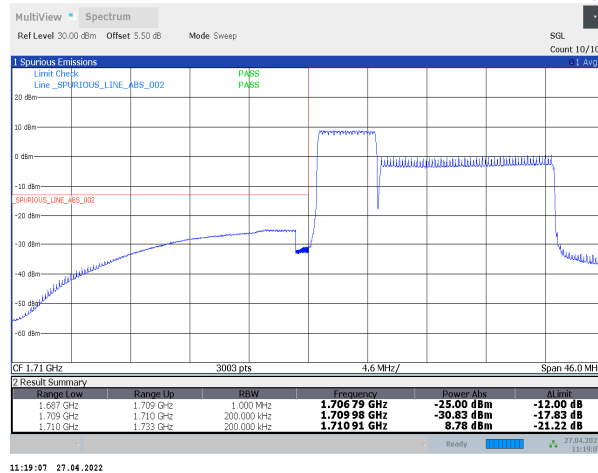
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66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-25RB#0-75RB#0



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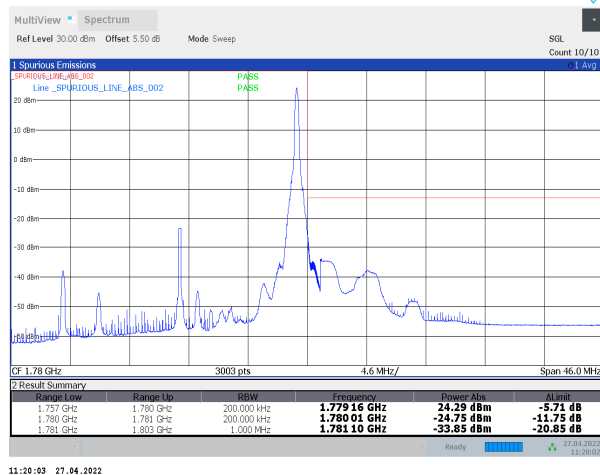
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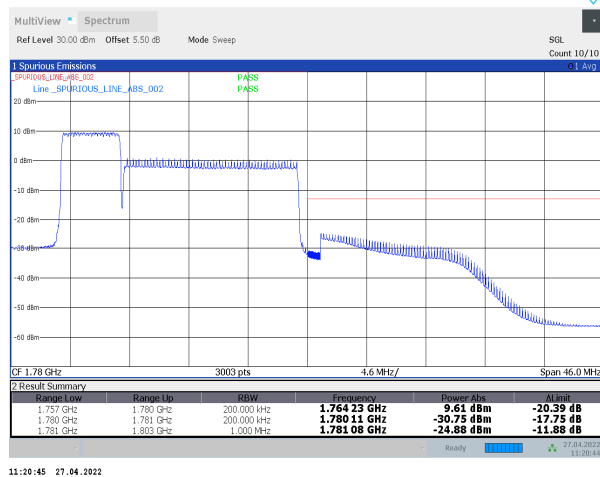
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66-66-5MHz-15MHz-QPSK-QPSK-132504-132597-0RB#0-1RB#74



66-66-5MHz-15MHz-QPSK-QPSK-132504-132597-25RB#0-75RB#0



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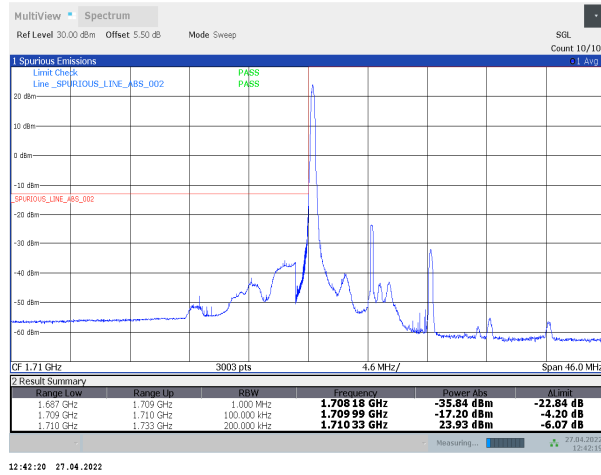
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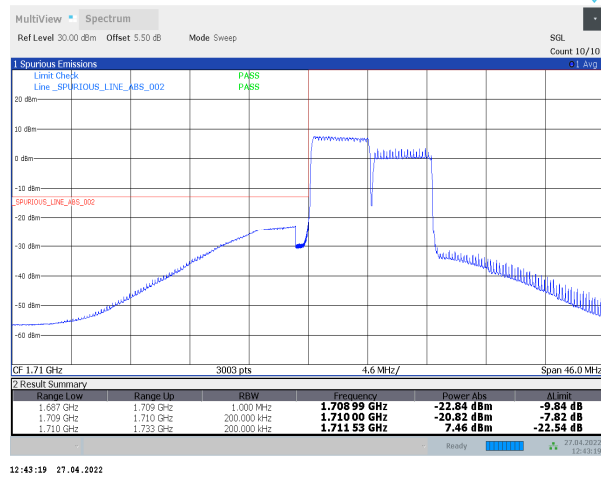
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66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-1RB#0-0RB#0



66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-25RB#0-25RB#0



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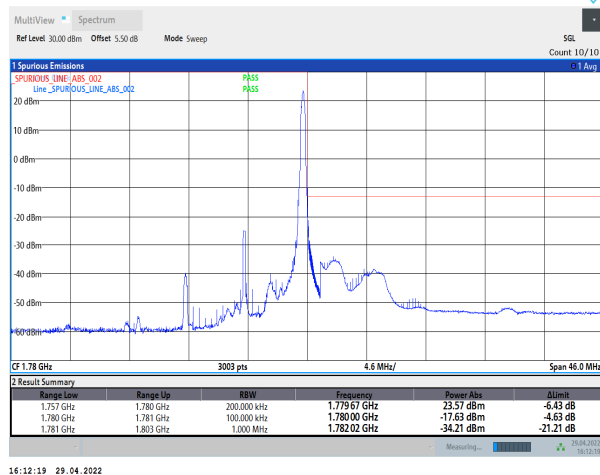
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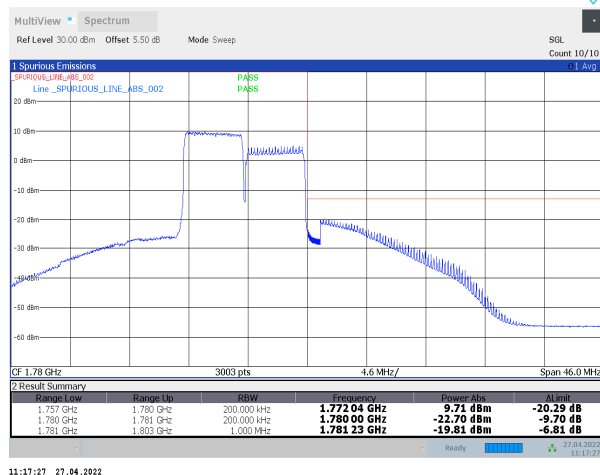
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66-66-5MHz-5MHz-QPSK-QPSK-132599-132647-0RB#0-1RB#24



66-66-5MHz-5MHz-QPSK-QPSK-132599-132647-25RB#0-25RB#0



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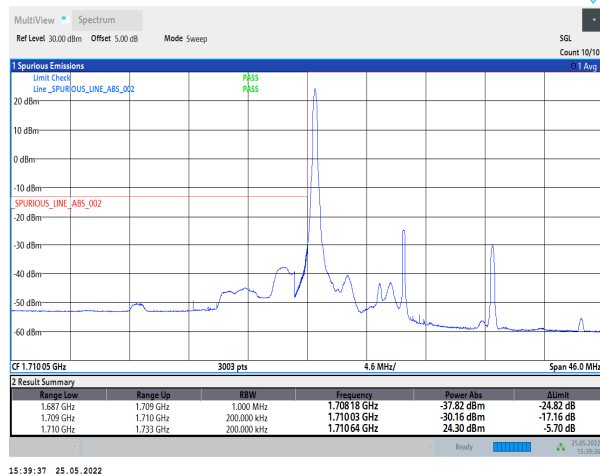
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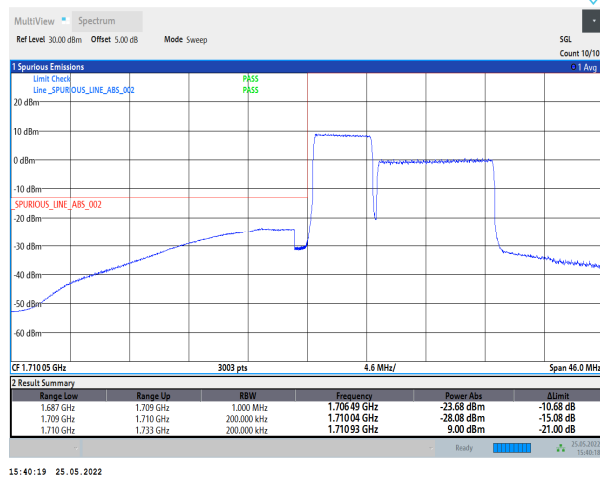
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66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-1RB#0-0RB#0



66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-25RB#0-50RB#0



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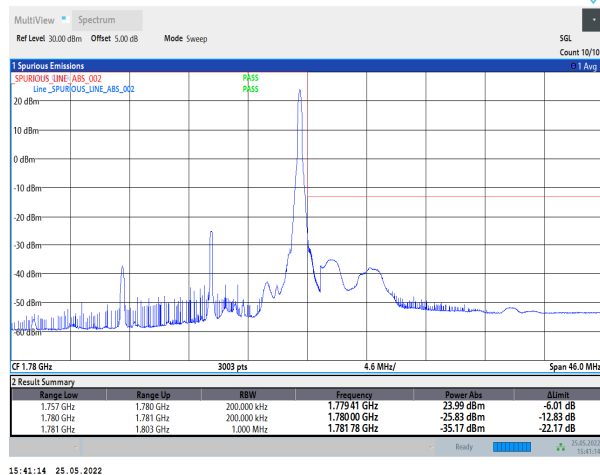
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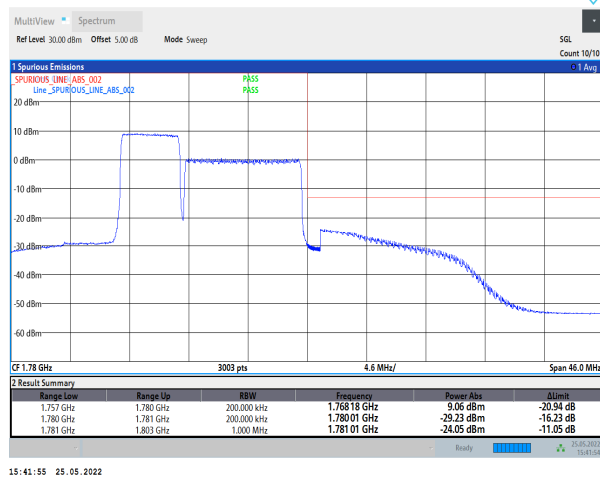
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66-66-5MHz-10MHz-QPSK-QPSK-132550-132622-0RB#0-1RB#49



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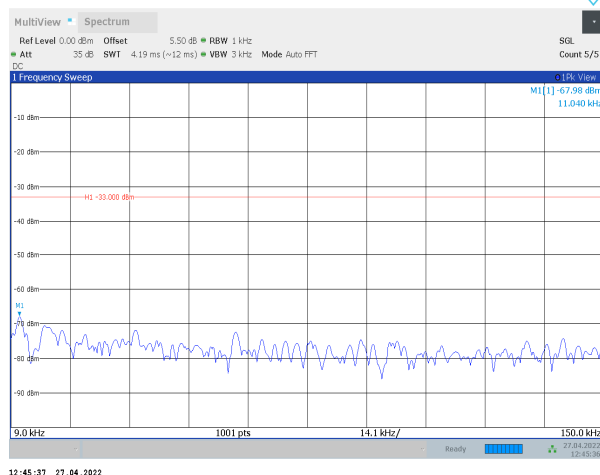


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Conducted Spurious Emission

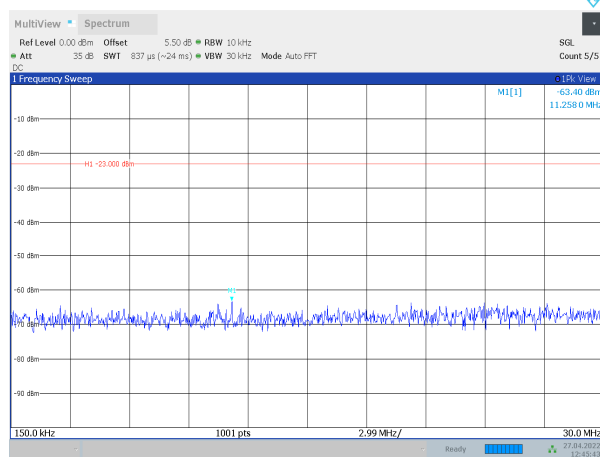
Test Graphs

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12:45:37 27.04.2022

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-0.15~30MHz



12:45:44 27.04.2022



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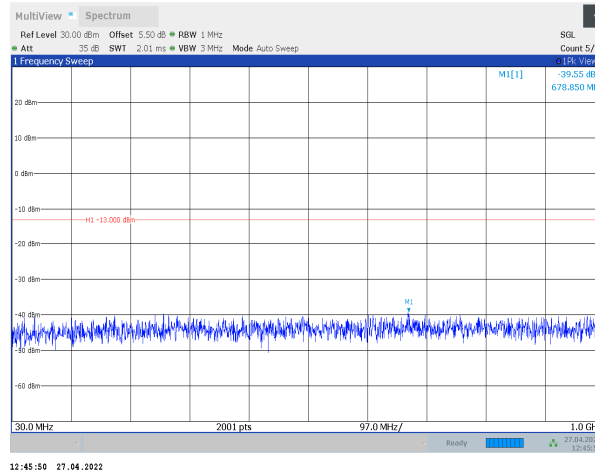
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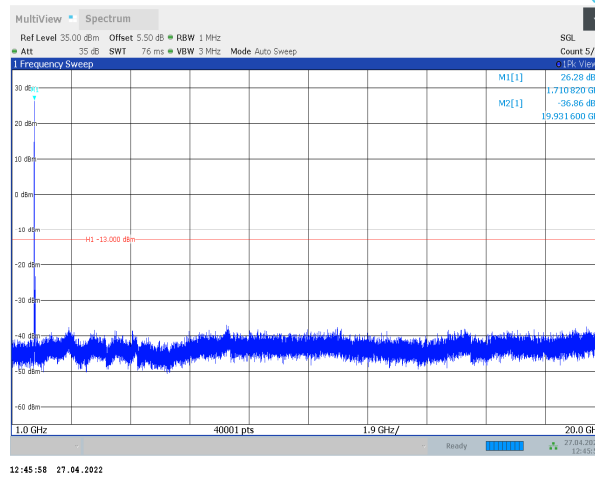
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66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-30~1000MHz



66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-1000~20000MHz



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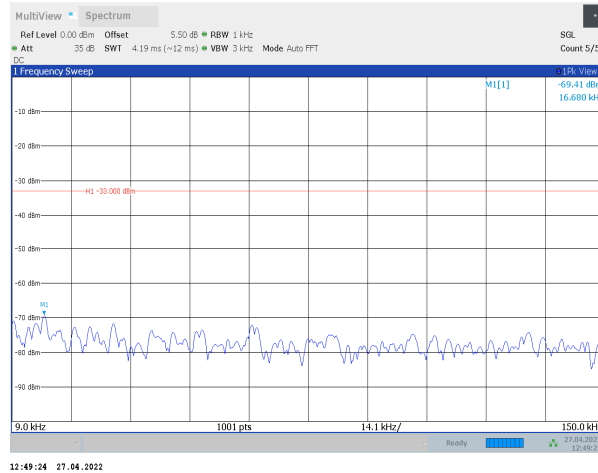
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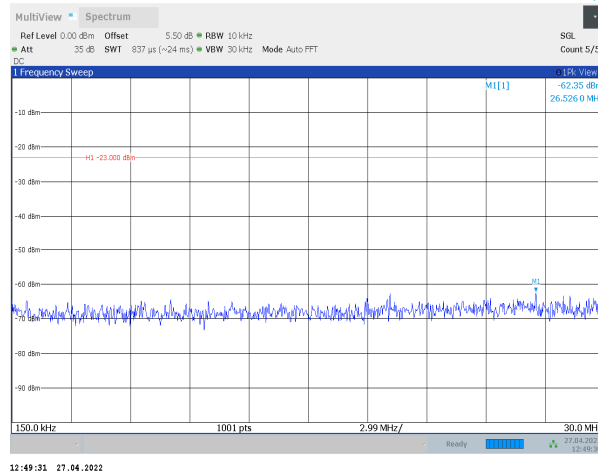
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66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-0.009~0.15MHz



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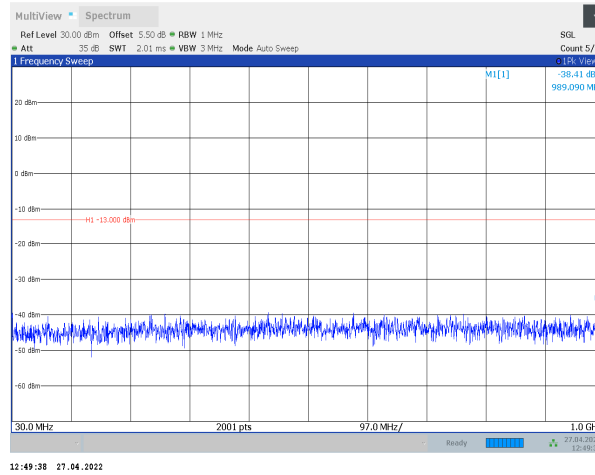
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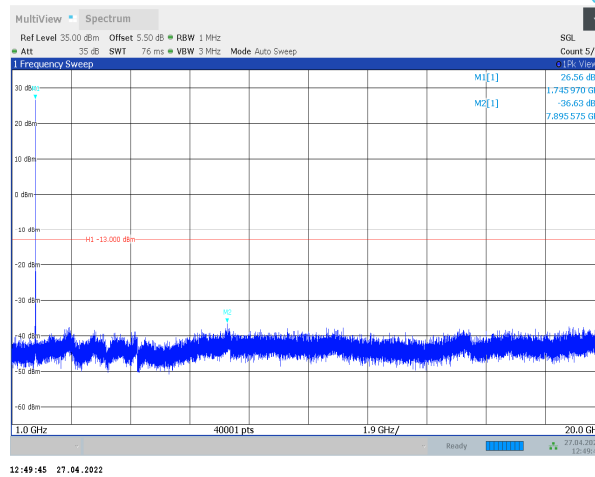
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66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-30~1000MHz



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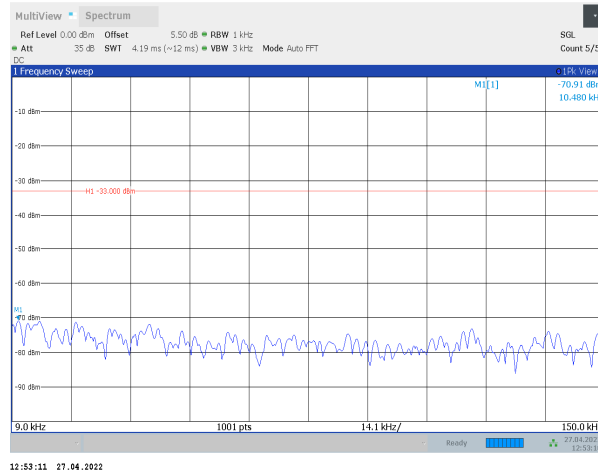
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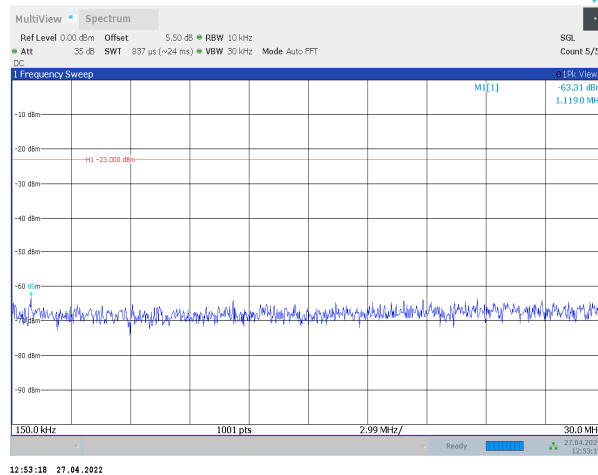
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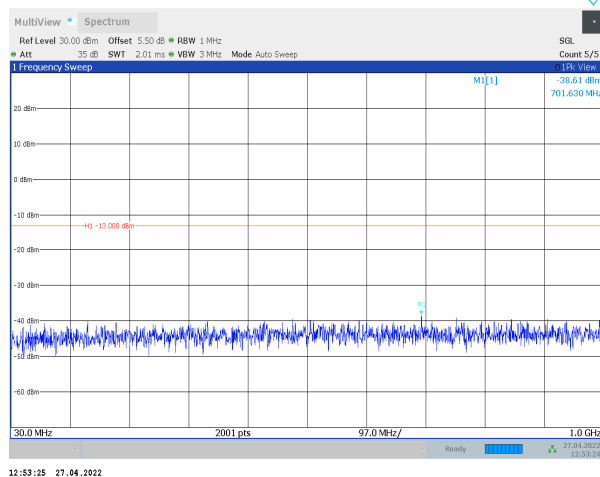
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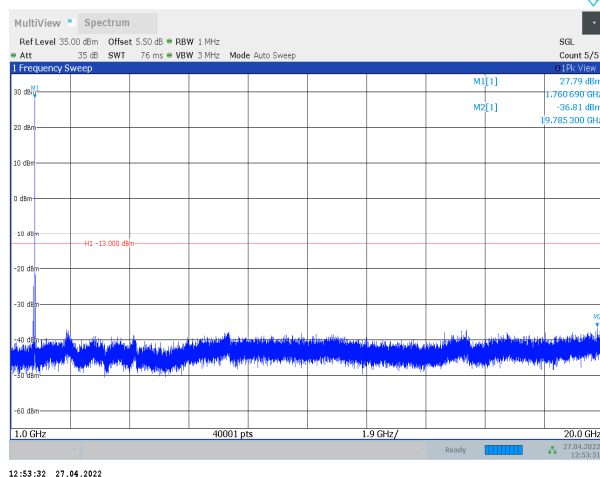
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Field Strength of Spurious Radiation

Test Band = UL CA Band 66B_ TM1

Test Channel = Low Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.1800	42.19	-46.28	29.43	-69.92	-13.00	56.92	228	87	Horizontal
2	5106.2700	40.06	-45.36	32.94	-67.63	-13.00	54.63	142	73	Horizontal
3	6808.3600	39.82	-44.16	35.85	-63.75	-13.00	50.75	136	360	Horizontal
4	8510.4500	36.59	-41.59	37.56	-62.70	-13.00	49.70	299	360	Horizontal
5	10212.5400	33.44	-39.45	38.81	-62.45	-13.00	49.45	250	4	Horizontal
6	11914.6300	29.62	-37.18	38.88	-63.94	-13.00	50.94	143	360	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	3404.1800	40.96	-46.28	29.43	-71.15	-13.00	58.15	254	59	Vertical
2	5106.2700	39.92	-45.36	32.94	-67.77	-13.00	54.77	136	344	Vertical
3	6808.3600	40.51	-44.16	35.85	-63.06	-13.00	50.06	259	254	Vertical
4	8510.4500	36.89	-41.59	37.56	-62.40	-13.00	49.40	185	360	Vertical
5	10212.5400	32.99	-39.45	38.81	-62.90	-13.00	49.90	140	59	Vertical
6	11914.6300	29.85	-37.18	38.88	-63.71	-13.00	50.71	129	118	Vertical



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Test Band = UL CA Band 66B_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.3800	44.35	-46.27	29.50	-67.68	-13.00	54.68	174	342	Horizontal
2	5208.5700	41.49	-45.26	32.98	-66.05	-13.00	53.05	158	329	Horizontal
3	6944.7600	38.77	-43.85	36.01	-64.33	-13.00	51.33	196	25	Horizontal
4	8680.9500	36.80	-41.62	37.88	-62.20	-13.00	49.20	142	233	Horizontal
5	10417.1400	33.07	-38.97	38.88	-62.29	-13.00	49.29	236	216	Horizontal
6	12153.3300	31.21	-37.42	39.09	-62.38	-13.00	49.38	251	46	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	3472.3800	42.46	-46.27	29.50	-69.57	-13.00	56.57	159	13	Vertical
2	5208.5700	43.31	-45.26	32.98	-64.23	-13.00	51.23	182	58	Vertical
3	6944.7600	40.21	-43.85	36.01	-62.89	-13.00	49.89	193	103	Vertical
4	8680.9500	37.78	-41.62	37.88	-61.22	-13.00	48.22	171	29	Vertical
5	10417.1400	32.65	-38.97	38.88	-62.71	-13.00	49.71	142	13	Vertical
6	12153.3300	30.97	-37.42	39.09	-62.62	-13.00	49.62	160	238	Vertical



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Test Band = UL CA Band 66B_ TM1
Test Channel = High Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3482.5800	42.13	-46.26	29.50	-69.89	-13.00	56.89	222	360	Horizontal
2	5223.8700	40.25	-45.23	32.97	-67.28	-13.00	54.28	301	43	Horizontal
3	6965.1600	39.34	-43.74	36.04	-63.62	-13.00	50.62	154	103	Horizontal
4	8706.4500	36.81	-41.66	37.93	-62.18	-13.00	49.18	183	178	Horizontal
5	10447.7400	32.94	-38.91	38.91	-62.32	-13.00	49.32	251	360	Horizontal
6	12189.0300	30.39	-37.47	39.12	-63.22	-13.00	50.22	199	269	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	3482.5800	42.30	-46.26	29.50	-69.72	-13.00	56.72	204	74	Vertical
2	5223.8700	40.63	-45.23	32.97	-66.90	-13.00	53.90	187	238	Vertical
3	6965.1600	39.61	-43.74	36.04	-63.35	-13.00	50.35	198	252	Vertical
4	8706.4500	38.12	-41.66	37.93	-60.87	-13.00	47.87	145	209	Vertical
5	10447.7400	32.75	-38.91	38.91	-62.51	-13.00	49.51	156	351	Vertical
6	12189.0300	31.26	-37.47	39.12	-62.35	-13.00	49.35	135	351	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
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VH	NT	22.50	0.012856	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VL	NT	19.70	0.011256	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	VN	NT	20.60	0.011771	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	50	11.20	0.006400	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	40	15.10	0.008628	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	30	17.40	0.009942	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	20	14.90	0.008514	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	10	20.40	0.011656	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	0	19.70	0.011256	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-10	20.40	0.011656	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-20	23.60	0.013485	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	NV	-30	20.50	0.011714	PASS

---End of Attachment---

