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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	24.52	25.99	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	23.9	25.37	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	1RB#0-0RB#0	24.36	25.83	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	23.98	25.45	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#0-0RB#0	24.52	25.99	30	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	24.15	25.62	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	1RB#0-0RB#0	24.82	26.29	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	50RB#0-50RB#0	22.69	24.16	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	1RB#0-0RB#0	24.95	26.42	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	50RB#0-50RB#0	23.09	24.56	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	1RB#0-0RB#0	24.83	26.3	30	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	50RB#0-50RB#0	23.18	24.65	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	1RB#0-0RB#0	24.12	25.59	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132022-132121	50RB#0-50RB#0	21.63	23.1	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	1RB#0-0RB#0	24.15	25.62	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	50RB#0-50RB#0	22.11	23.58	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	1RB#0-0RB#0	23.86	25.33	30	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132523-132622	50RB#0-50RB#0	22.33	23.8	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	1RB#0-0RB#0	20.82	22.29	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132022-132121	50RB#0-50RB#0	20.62	22.09	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	1RB#0-0RB#0	20.92	22.39	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	50RB#0-50RB#0	21.28	22.75	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	1RB#0-0RB#0	20.88	22.35	30	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132523-132622	50RB#0-50RB#0	21.29	22.76	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	1RB#0-0RB#0	24.13	25.6	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	50RB#0-25RB#0	23.32	24.79	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	1RB#0-0RB#0	24.33	25.8	30	PASS





66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	50RB#0-25RB#0	24.02	25.49	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	1RB#0-0RB#0	24.52	25.99	30	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	50RB#0-25RB#0	24.02	25.49	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	1RB#0-0RB#0	24.86	26.33	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	50RB#0-25RB#0	22.37	23.84	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	1RB#0-0RB#0	24.88	26.35	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	50RB#0-25RB#0	22.95	24.42	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	1RB#0-0RB#0	24.9	26.37	30	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	50RB#0-25RB#0	23.01	24.48	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132022-132094	1RB#0-0RB#0	23.91	25.38	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132022-132094	50RB#0-25RB#0	21.55	23.02	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132397-132469	1RB#0-0RB#0	23.91	25.38	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132397-132469	50RB#0-25RB#0	22.04	23.51	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132572-132644	1RB#0-0RB#0	23.82	25.29	30	PASS
66-66	10MHz-5MHz	64QAM-64QAM	132572-132644	50RB#0-25RB#0	22.05	23.52	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132022-132094	1RB#0-0RB#0	21.01	22.48	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132022-132094	50RB#0-25RB#0	20.68	22.15	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132397-132469	1RB#0-0RB#0	20.98	22.45	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132397-132469	50RB#0-25RB#0	21.12	22.59	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132572-132644	1RB#0-0RB#0	21.02	22.49	30	PASS
66-66	10MHz-5MHz	256QAM-256QAM	132572-132644	50RB#0-25RB#0	21.17	22.64	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	1RB#0-0RB#0	24.56	26.03	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	75RB#0-25RB#0	22.79	24.26	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	1RB#0-0RB#0	24.58	26.05	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	75RB#0-25RB#0	23.51	24.98	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	1RB#0-0RB#0	24.31	25.78	30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	75RB#0-25RB#0	23.53	25	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	1RB#0-0RB#0	24.13	25.6	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	75RB#0-25RB#0	21.82	23.29	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	1RB#0-0RB#0	24.44	25.91	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	75RB#0-25RB#0	22.47	23.94	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	1RB#0-0RB#0	24.15	25.62	30	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	75RB#0-25RB#0	22.54	24.01	30	PASS





66-66	15MHz-5MHz	64QAM-64QAM	132047-132140	1RB#0-0RB#0	23.41	24.88	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132047-132140	75RB#0-25RB#0	20.92	22.39	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132398-132491	1RB#0-0RB#0	23.39	24.86	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132398-132491	75RB#0-25RB#0	21.55	23.02	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132549-132642	1RB#0-0RB#0	23.29	24.76	30	PASS
66-66	15MHz-5MHz	64QAM-64QAM	132549-132642	75RB#0-25RB#0	21.64	23.11	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132047-132140	1RB#0-0RB#0	20.38	21.85	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132047-132140	75RB#0-25RB#0	20.03	21.5	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132398-132491	1RB#0-0RB#0	20.47	21.94	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132398-132491	75RB#0-25RB#0	20.72	22.19	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132549-132642	1RB#0-0RB#0	20.36	21.83	30	PASS
66-66	15MHz-5MHz	256QAM-256QAM	132549-132642	75RB#0-25RB#0	20.74	22.21	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132002-132095	1RB#0-0RB#0	24.31	25.78	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132002-132095	25RB#0-75RB#0	23.61	25.08	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132353-132446	1RB#0-0RB#0	24.52	25.99	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132353-132446	25RB#0-75RB#0	24.27	25.74	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132504-132597	1RB#0-0RB#0	24.12	25.59	30	PASS
66-66	5MHz-15MHz	QPSK-QPSK	132504-132597	25RB#0-75RB#0	24.19	25.66	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132002-132095	1RB#0-0RB#0	24.91	26.38	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132002-132095	25RB#0-75RB#0	22.58	24.05	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132353-132446	1RB#0-0RB#0	24.96	26.43	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132353-132446	25RB#0-75RB#0	23.25	24.72	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132504-132597	1RB#0-0RB#0	24.76	26.23	30	PASS
66-66	5MHz-15MHz	16QAM-16QAM	132504-132597	25RB#0-75RB#0	23.12	24.59	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132002-132095	1RB#0-0RB#0	24.1	25.57	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132002-132095	25RB#0-75RB#0	21.67	23.14	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132353-132446	1RB#0-0RB#0	24.07	25.54	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132353-132446	25RB#0-75RB#0	22.36	23.83	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132504-132597	1RB#0-0RB#0	24.01	25.48	30	PASS
66-66	5MHz-15MHz	64QAM-64QAM	132504-132597	25RB#0-75RB#0	22.45	23.92	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132002-132095	1RB#0-0RB#0	20.93	22.4	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132002-132095	25RB#0-75RB#0	20.85	22.32	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132353-132446	1RB#0-0RB#0	20.92	22.39	30	PASS



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66-66	5MHz-15MHz	256QAM-256QAM	132353-132446	25RB#0-75RB#0	21.51	22.98	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132504-132597	1RB#0-0RB#0	20.77	22.24	30	PASS
66-66	5MHz-15MHz	256QAM-256QAM	132504-132597	25RB#0-75RB#0	21.03	22.5	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	1RB#0-0RB#0	24.36	25.83	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	25RB#0-25RB#0	23.92	25.39	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	1RB#0-0RB#0	24.32	25.79	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	25RB#0-25RB#0	23.72	25.19	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	1RB#0-0RB#0	24.15	25.62	30	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	25RB#0-25RB#0	23.72	25.19	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	1RB#0-0RB#0	24.96	26.43	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	25RB#0-25RB#0	22.73	24.2	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	1RB#0-0RB#0	24.96	26.43	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	25RB#0-25RB#0	22.82	24.29	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	1RB#0-0RB#0	24.79	26.26	30	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	25RB#0-25RB#0	22.79	24.26	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	131997-132045	1RB#0-0RB#0	24.12	25.59	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	131997-132045	25RB#0-25RB#0	21.71	23.18	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132398-132446	1RB#0-0RB#0	23.93	25.4	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132398-132446	25RB#0-25RB#0	21.94	23.41	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132599-132647	1RB#0-0RB#0	23.98	25.45	30	PASS
66-66	5MHz-5MHz	64QAM-64QAM	132599-132647	25RB#0-25RB#0	21.88	23.35	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	131997-132045	1RB#0-0RB#0	21.03	22.5	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	131997-132045	25RB#0-25RB#0	20.78	22.25	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132398-132446	1RB#0-0RB#0	20.87	22.34	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132398-132446	25RB#0-25RB#0	20.96	22.43	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132599-132647	1RB#0-0RB#0	20.95	22.42	30	PASS
66-66	5MHz-5MHz	256QAM-256QAM	132599-132647	25RB#0-25RB#0	21.04	22.51	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132000-132072	1RB#0-0RB#0	24.72	26.19	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132000-132072	25RB#0-50RB#0	23.15	23.15	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132375-132447	1RB#0-0RB#0	24.75	24.75	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132375-132447	25RB#0-50RB#0	23.56	23.56	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132550-132622	1RB#0-0RB#0	24.68	24.68	30	PASS
66-66	5MHz-10MHz	QPSK-QPSK	132550-132622	25RB#0-50RB#0	23.45	23.45	30	PASS





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66-66	5MHz-10MHz	16QAM-16QAM	132000-132072	1RB#0-0RB#0	24.16	24.16	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132000-132072	25RB#0-50RB#0	22.12	22.12	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132375-132447	1RB#0-0RB#0	24.1	24.1	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132375-132447	25RB#0-50RB#0	22.61	22.61	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132550-132622	1RB#0-0RB#0	23.8	23.8	30	PASS
66-66	5MHz-10MHz	16QAM-16QAM	132550-132622	25RB#0-50RB#0	22.44	22.44	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132000-132072	1RB#0-0RB#0	22.95	22.95	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132000-132072	25RB#0-50RB#0	21.29	21.29	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	1RB#0-0RB#0	22.97	22.97	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	25RB#0-50RB#0	21.9	21.9	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	1RB#0-0RB#0	22.91	22.91	30	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	25RB#0-50RB#0	22.24	22.24	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	1RB#0-0RB#0	19.91	19.91	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	25RB#0-50RB#0	20.4	20.4	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132375-132447	1RB#0-0RB#0	19.89	19.89	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132375-132447	25RB#0-50RB#0	20.6	20.6	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132550-132622	1RB#0-0RB#0	19.92	19.92	30	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132550-132622	25RB#0-50RB#0	20.53	20.53	30	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

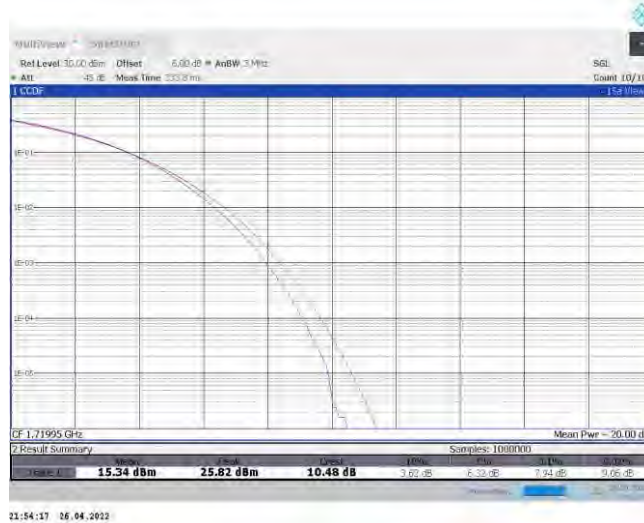
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	7.94	13	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	7.98	13	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	7.96	13	PASS
66-66	10MHz-10MHz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



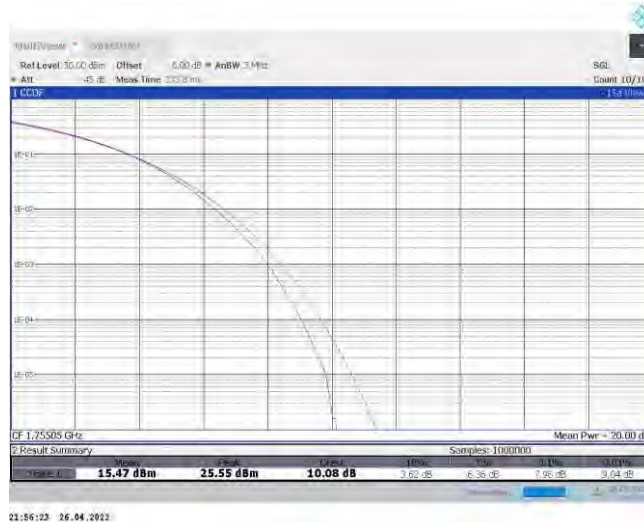
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Test Graphs

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

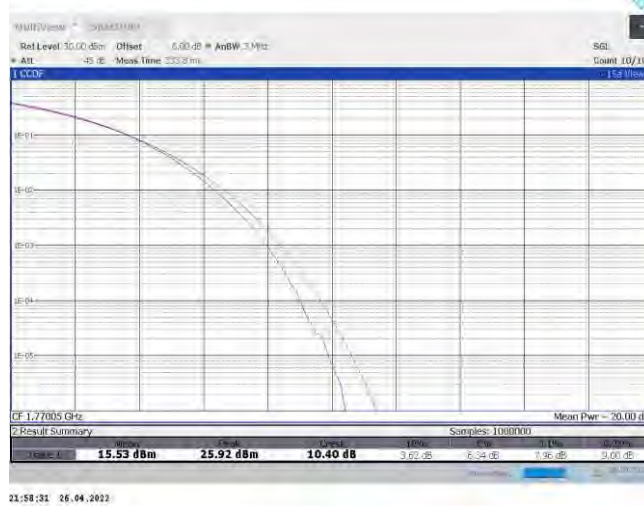


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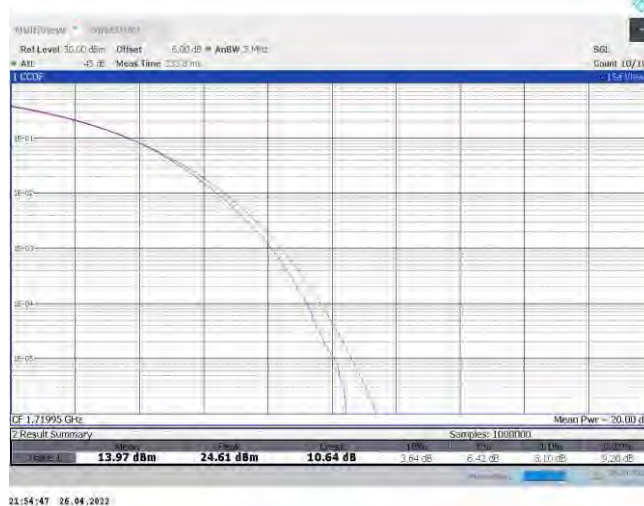




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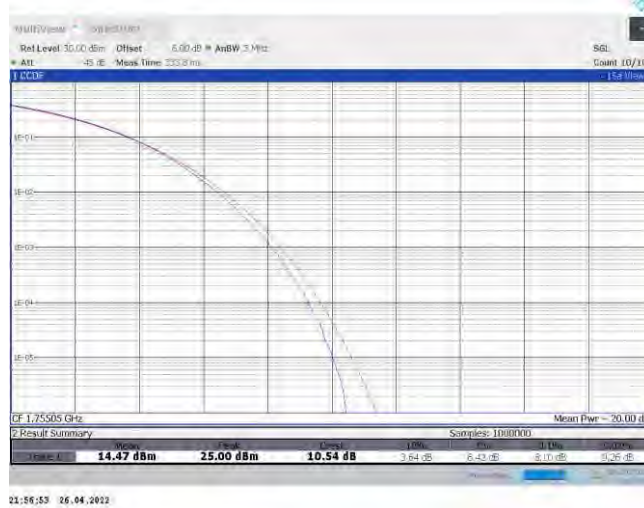


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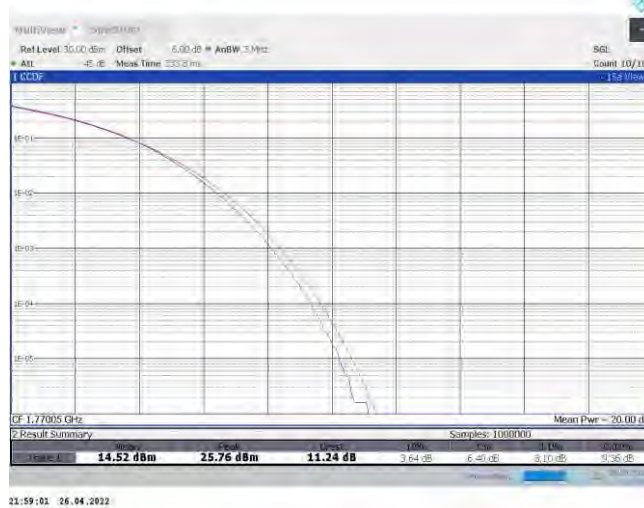




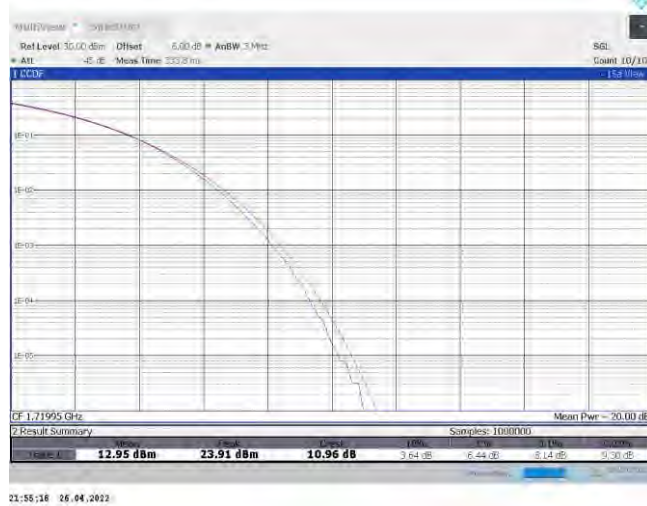
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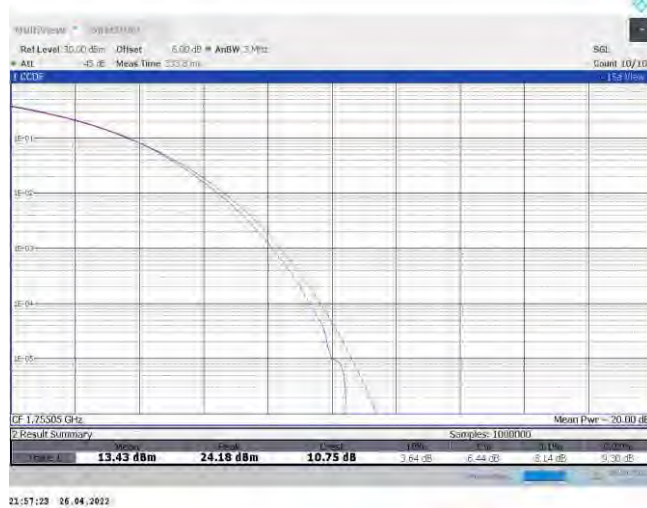
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66-66-10MHz-10MHz-64QAM-64QAM-132022-132121-50RB#0-50RB#0

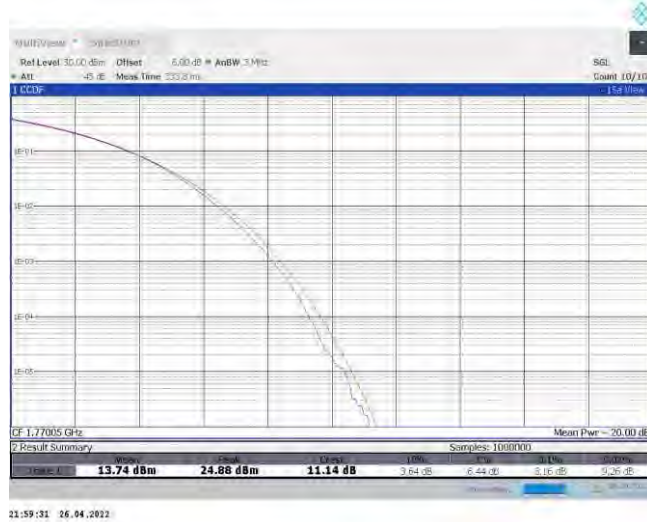


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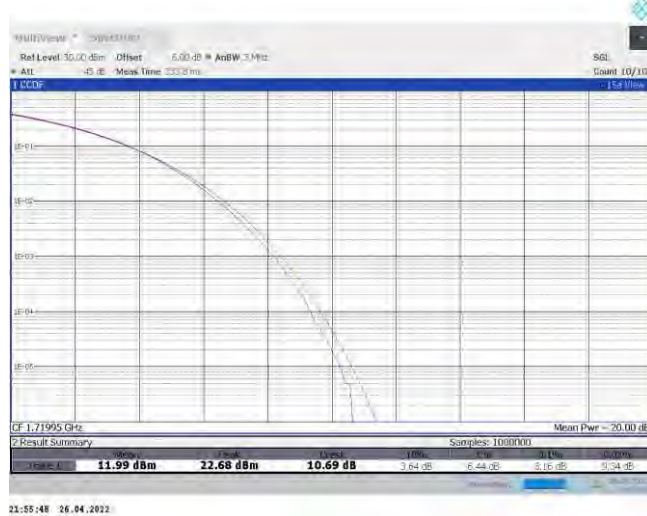




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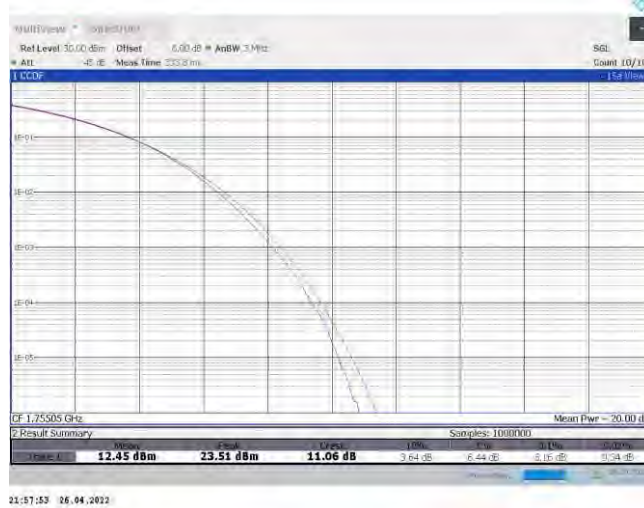


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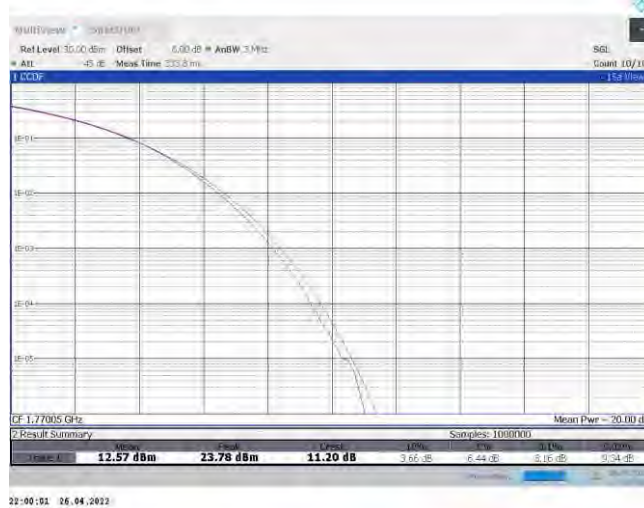




66-66-10MHz-10MHz-256QAM-256QAM-132373-132472-50RB#0-50RB#0



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





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## Modulation Characteristics

### Test Result

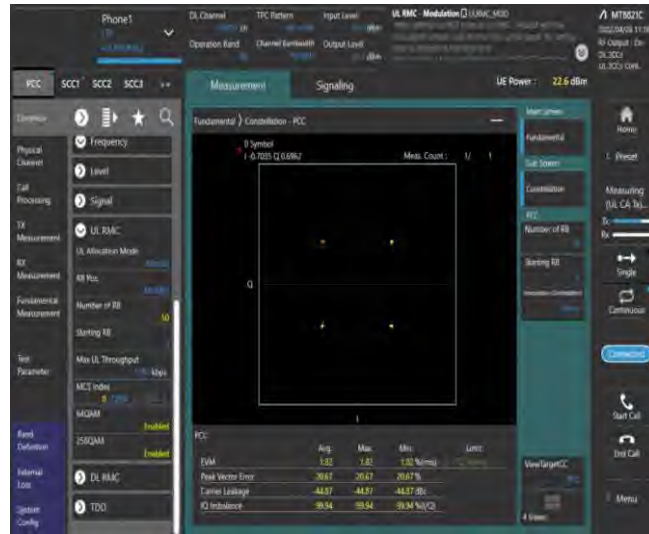
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	50RB#0-50RB#0	7.98	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132373-132472	50RB#0-50RB#0	8.10	PASS
66-66	10MHz-10MHz	64QAM-64QAM	132373-132472	50RB#0-50RB#0	8.14	PASS
66-66	10MHz-10MHz	256QAM-256QAM	132373-132472	50RB#0-50RB#0	8.16	PASS



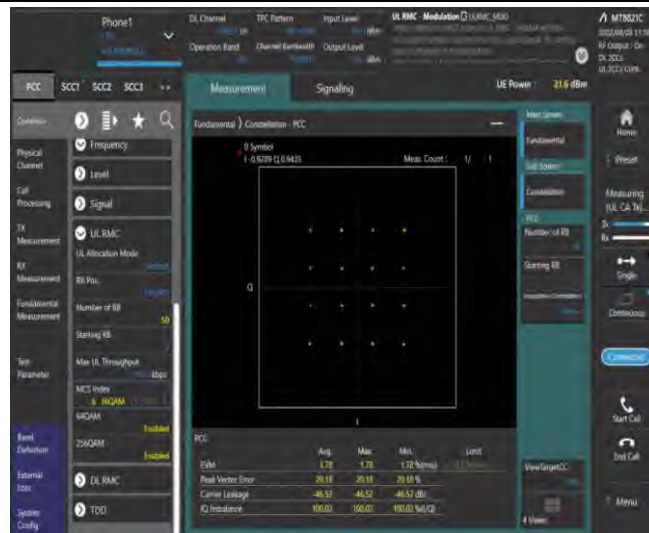
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### Test Graphs

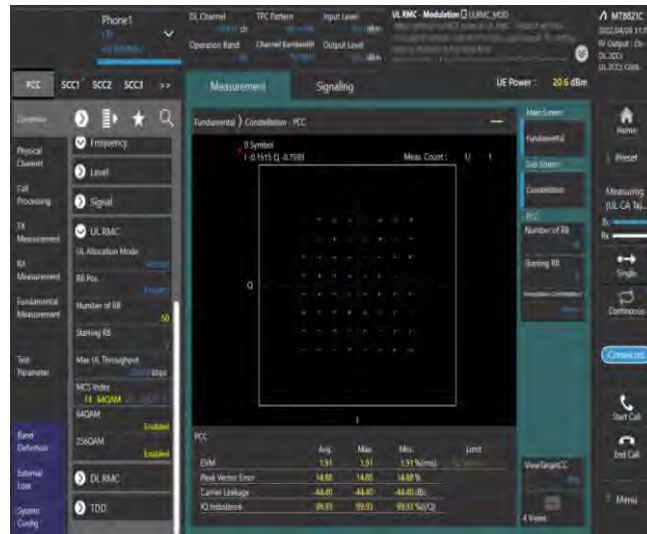
66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-50RB#0-50RB#0



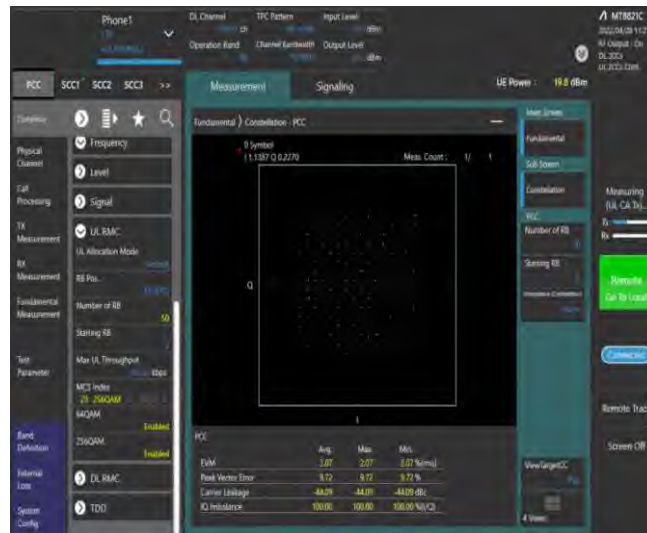
66-66-10MHz-10MHz-16QAM-16QAM -132373-132472-50RB#0-50RB#0



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



66-66-10MHz-10MHz-256QAM-256QAM-132373-132472-50RB#0-50RB#0







## 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
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



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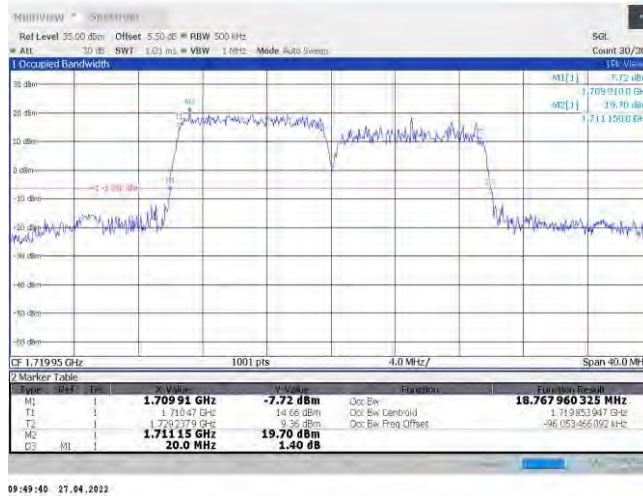
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66-66	5MHz-10MHz	64QAM-64QAM	132375-132447	25RB#0-50RB#0	13.894	15.00	PASS
66-66	5MHz-10MHz	64QAM-64QAM	132550-132622	25RB#0-50RB#0	13.867	14.85	PASS
66-66	5MHz-10MHz	256QAM-256QAM	132000-132072	25RB#0-50RB#0	13.914	14.94	PASS
66-66	5MHz-10MHz	256QAM-256QAM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



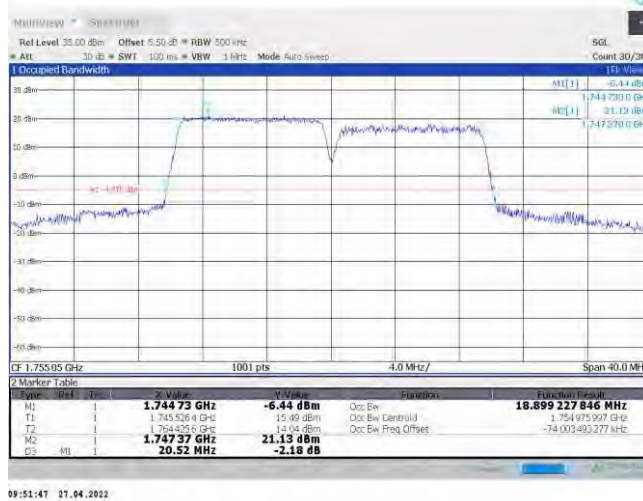
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Test Graphs

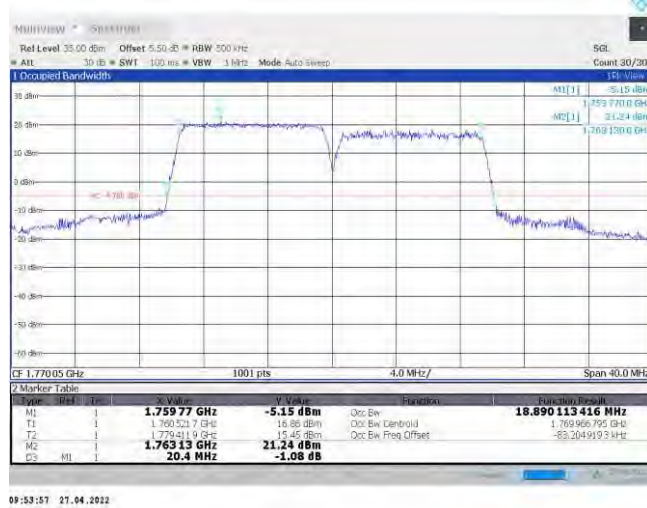
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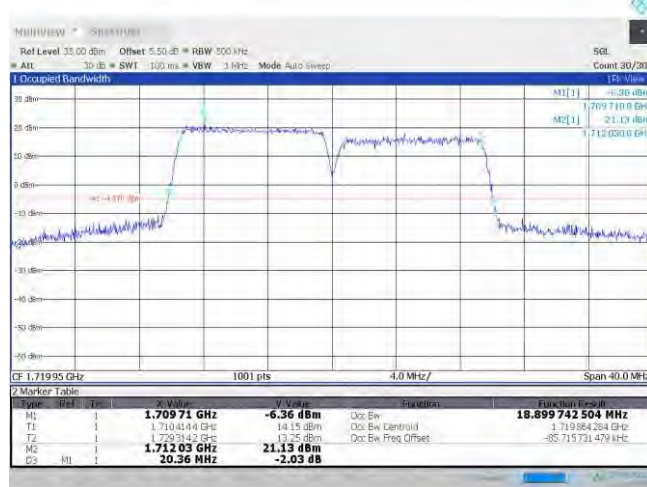


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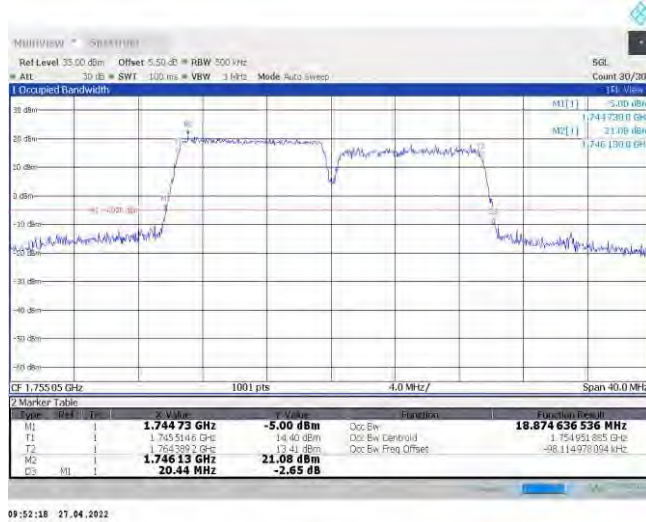
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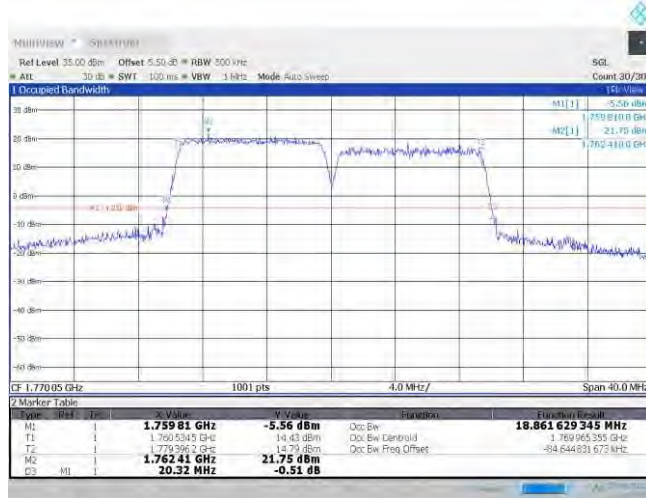


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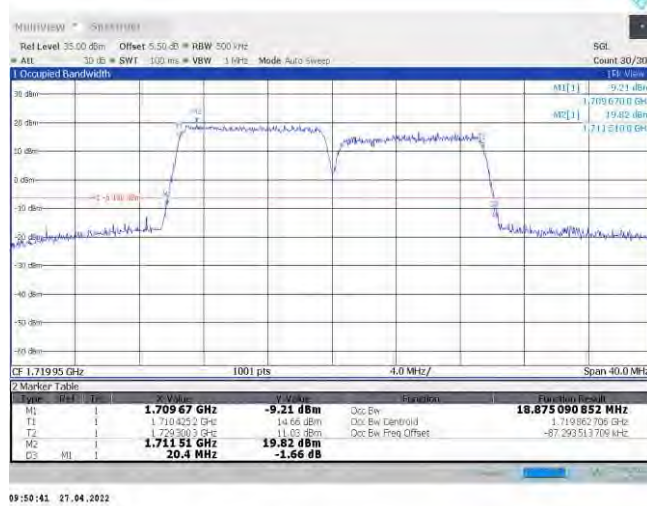
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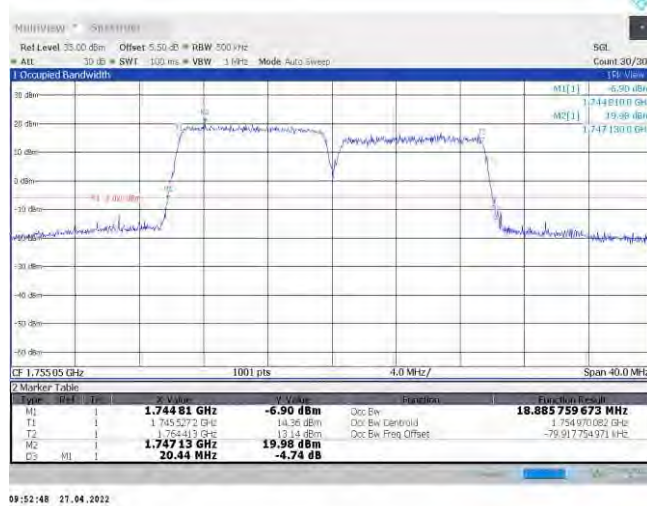


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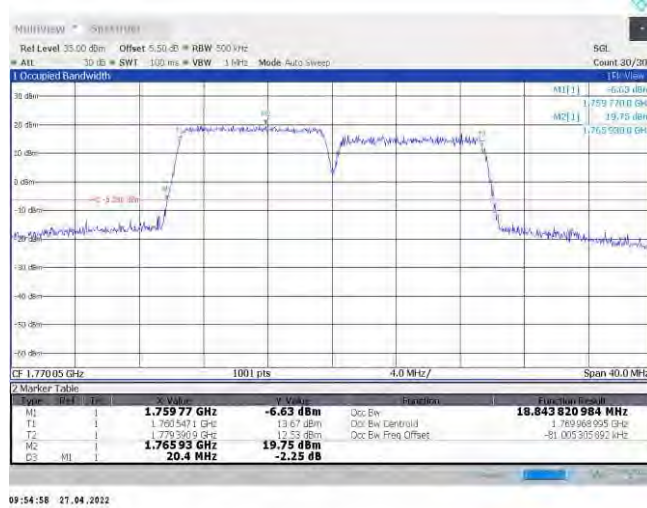
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09:52:48 27.04.2022

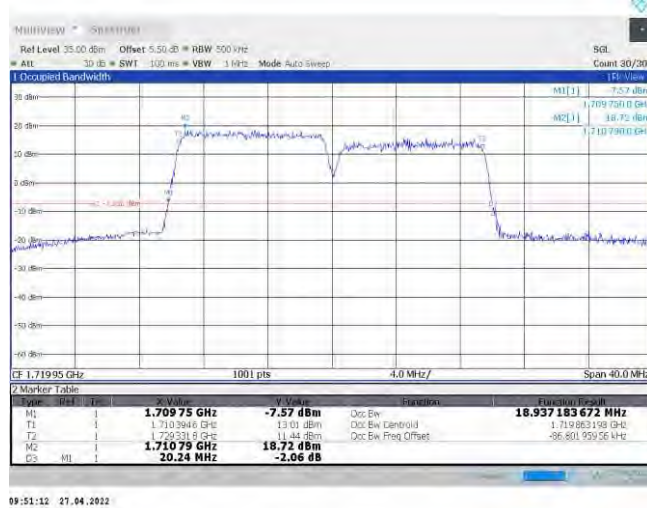


66-66-10MHz-10MHz-64QAM-64QAM-132523-132622-50RB#0-50RB#0



09:54:58 27.04.2022

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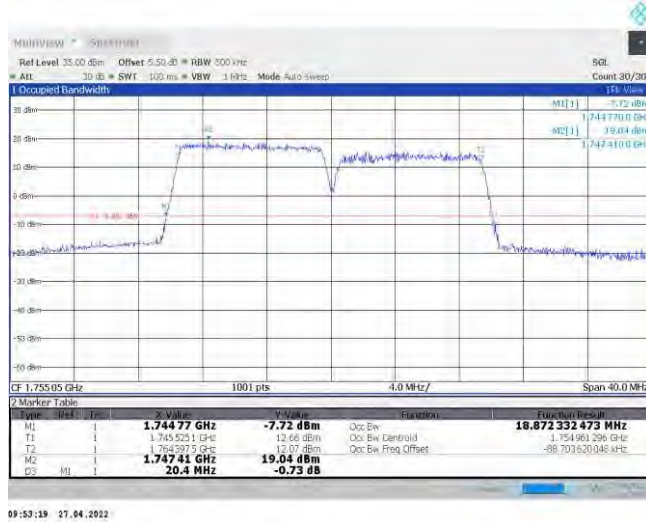


09:51:12 27.04.2022



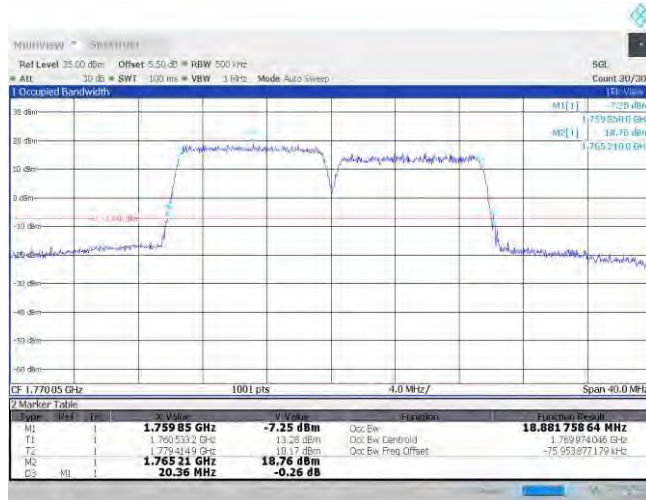


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09:53:19 27.04.2022

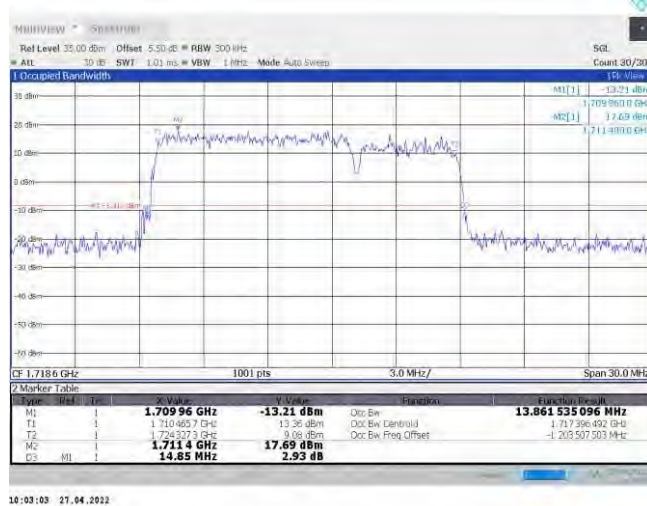
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09:55:28 27.04.2022



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



10:03:03 27.04.2022

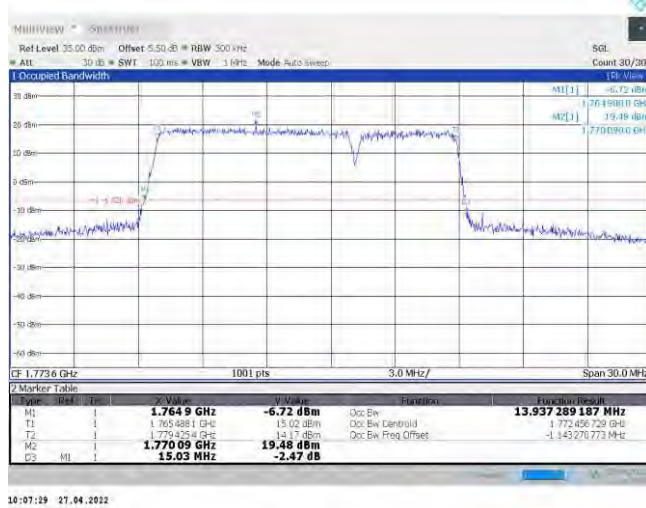
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10:05:10 27.04.2022

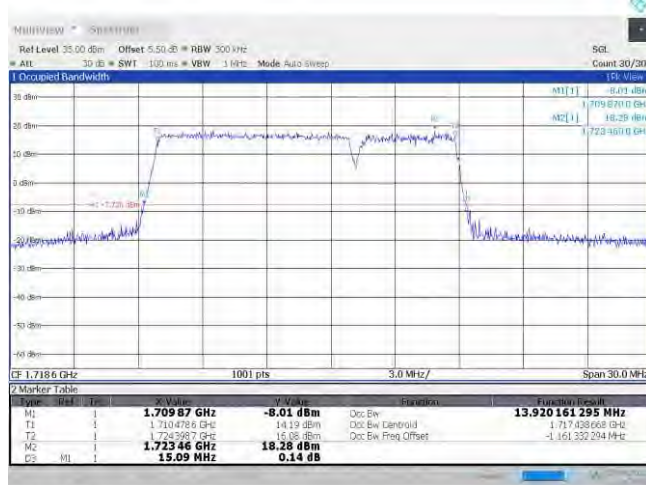


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10:07:29 27.04.2022

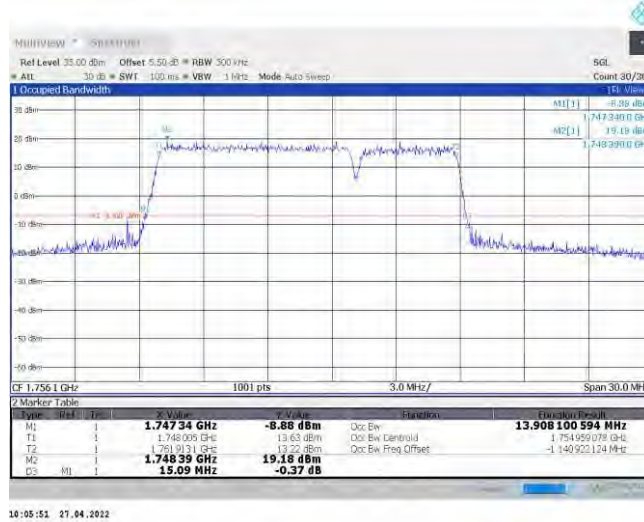
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10:03:33 27.04.2022



66-66-10MHz-5MHz-16QAM-16QAM-132397-132469-50RB#0-25RB#0



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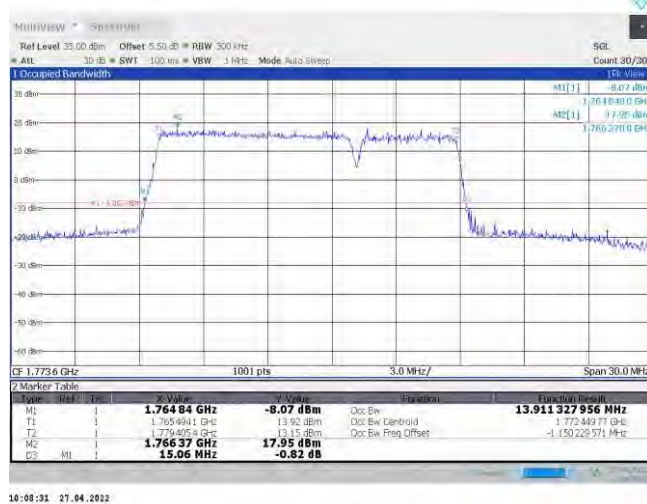
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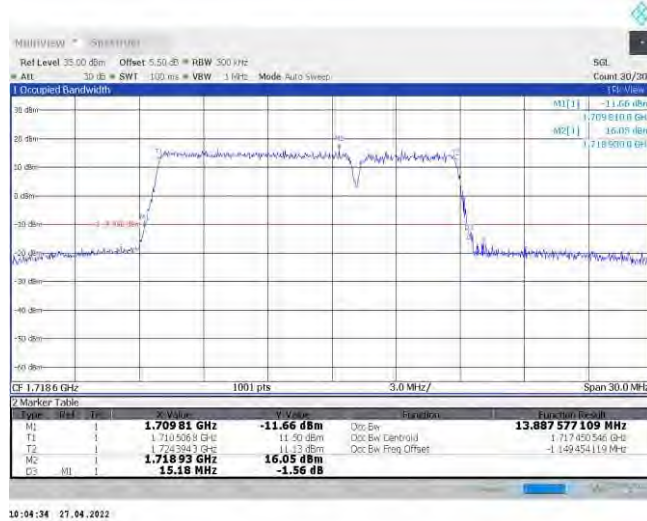
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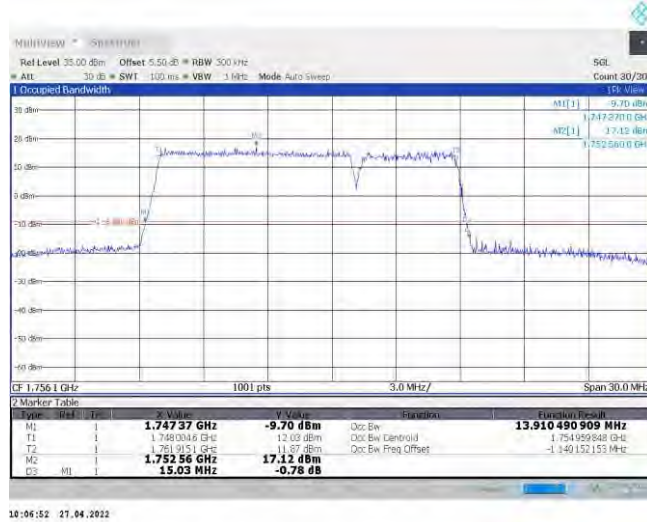
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66-66-10MHz-5MHz-256QAM-256QAM-132022-132094-50RB#0-25RB#0



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10:06:52 27.04.2022

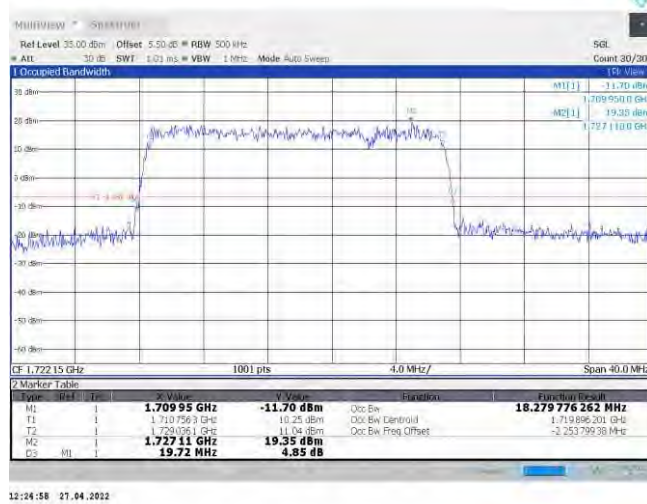
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10:09:01 27.04.2022

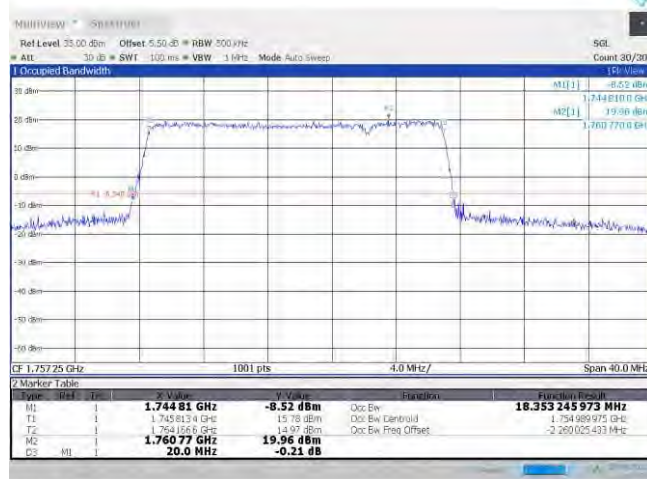


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12:24:58 27.04.2022

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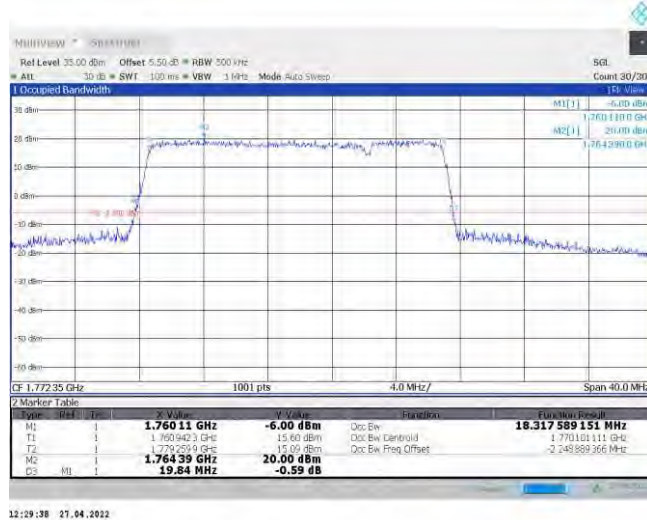


12:27:18 27.04.2022





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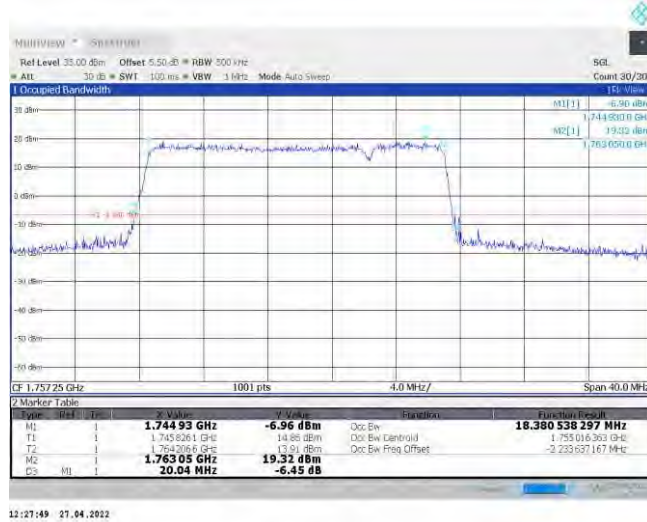
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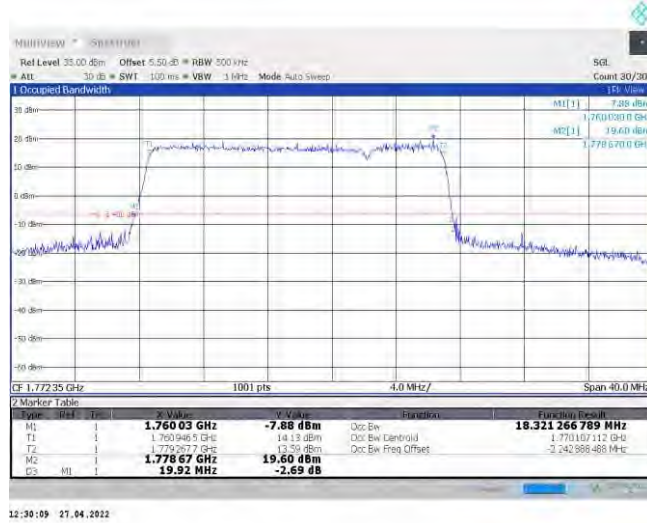
12:28:29 27.04.2022



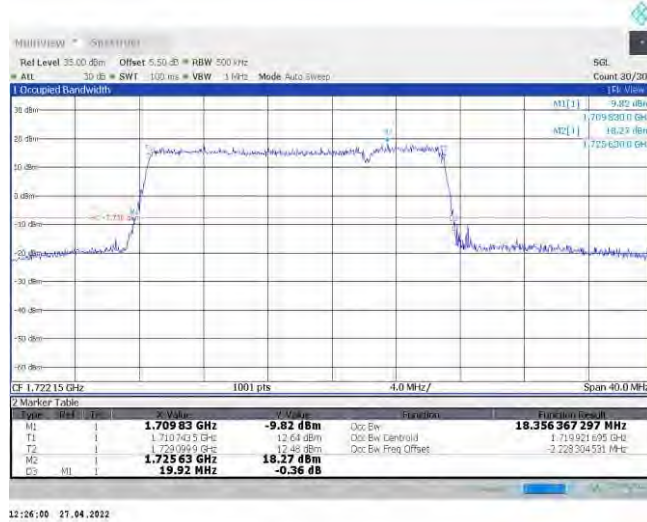
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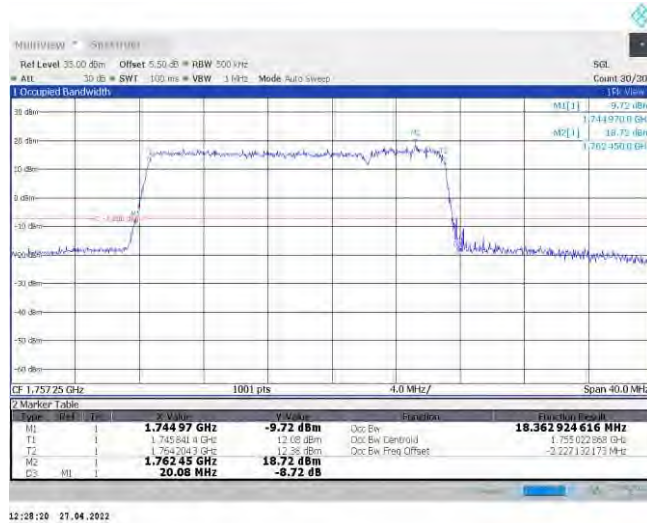
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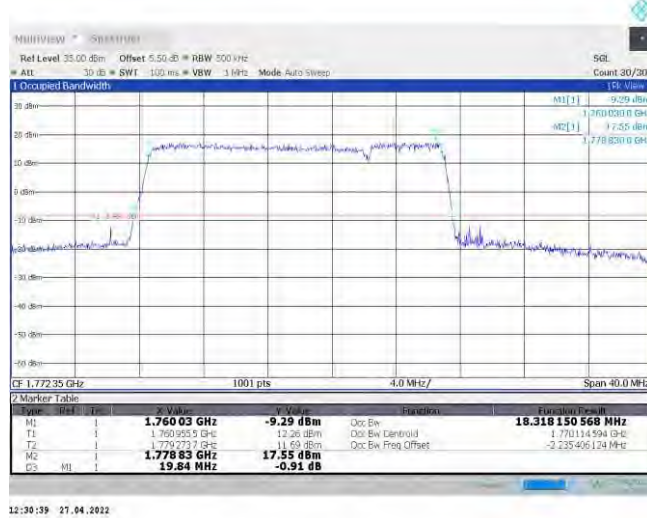
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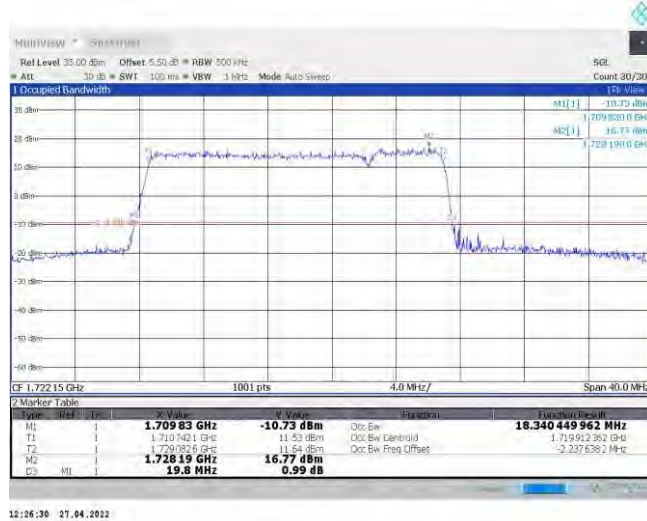
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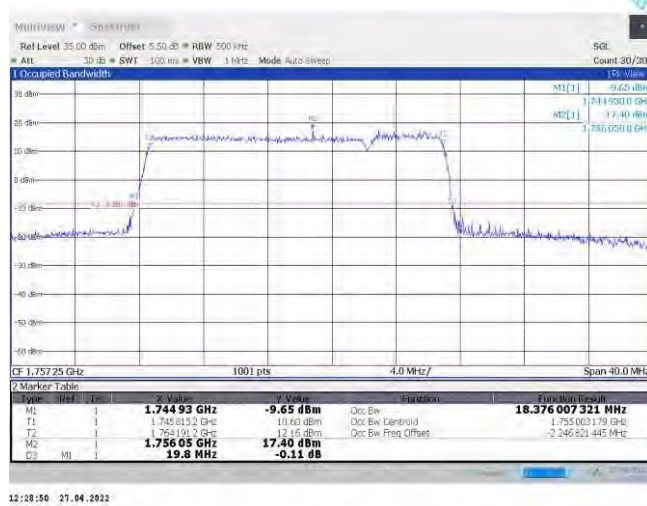
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66-66-15MHz-5MHz-256QAM-256QAM-132047-132140-75RB#0-25RB#0



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12:28:50 27.04.2012

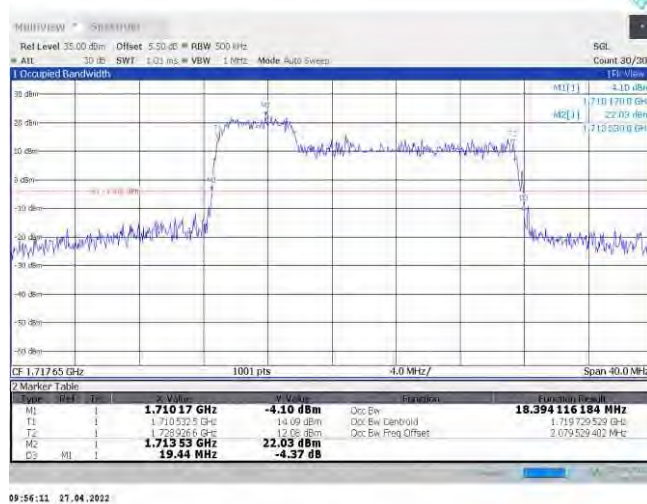
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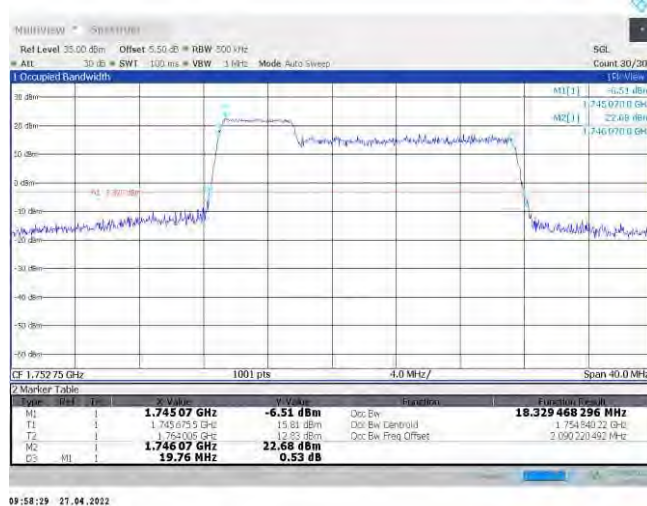
12:31:10 27.04.2012



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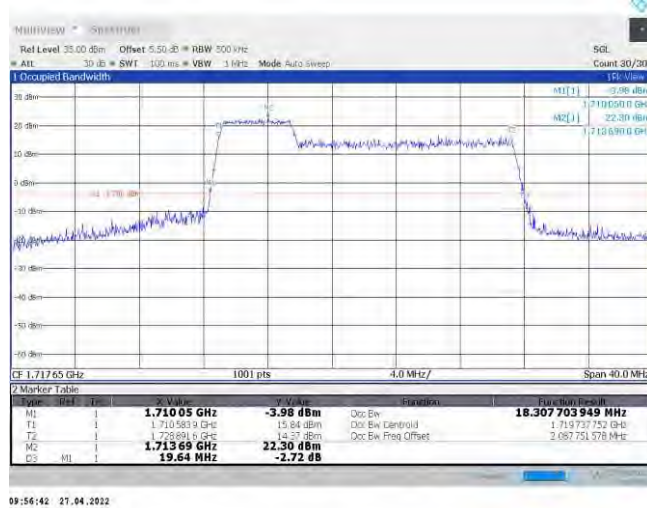
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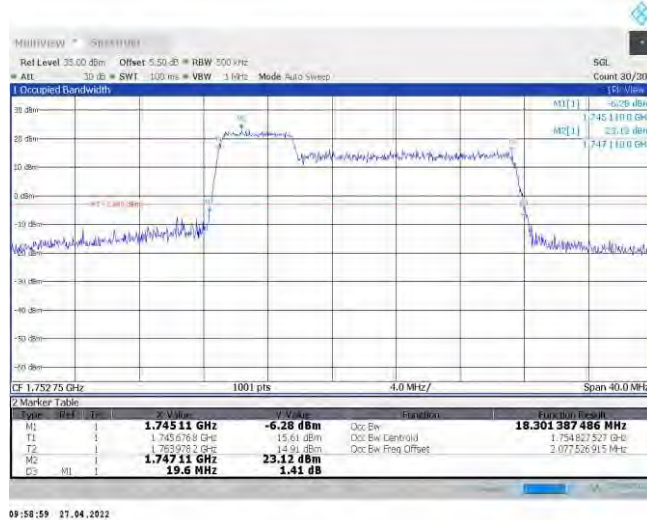
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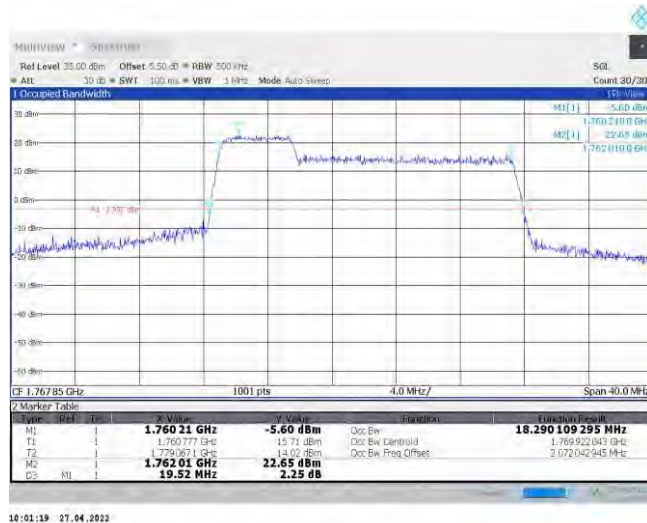
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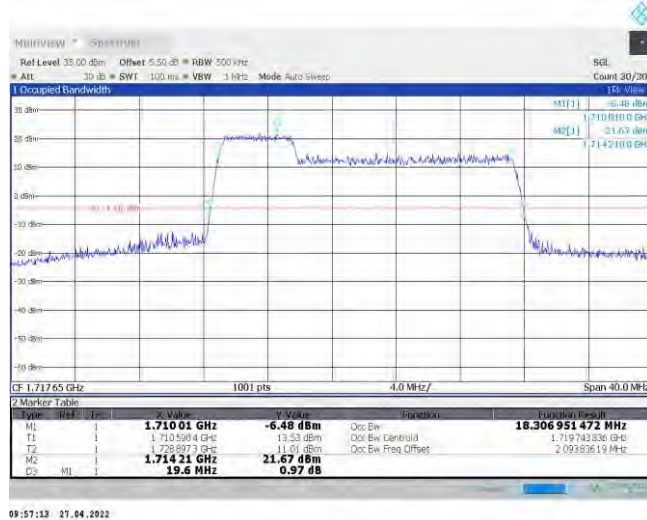


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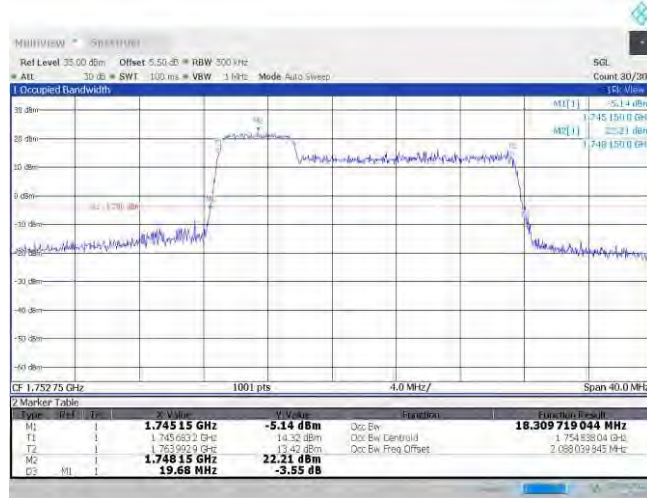


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09:57:13 27.04.2012

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09:59:30 27.04.2012

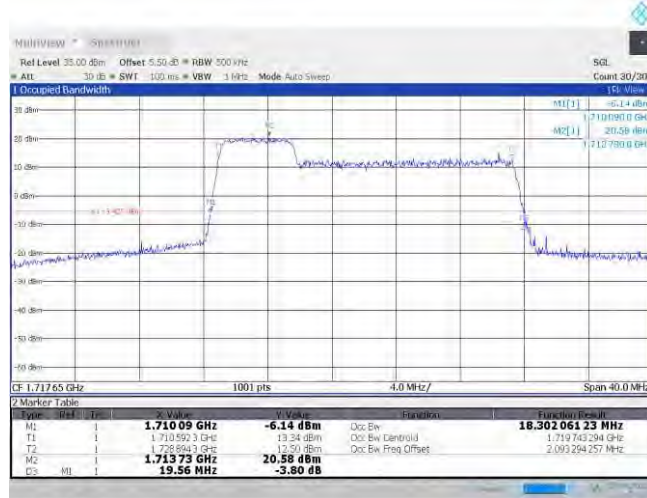


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10:01:49 27.04.2022

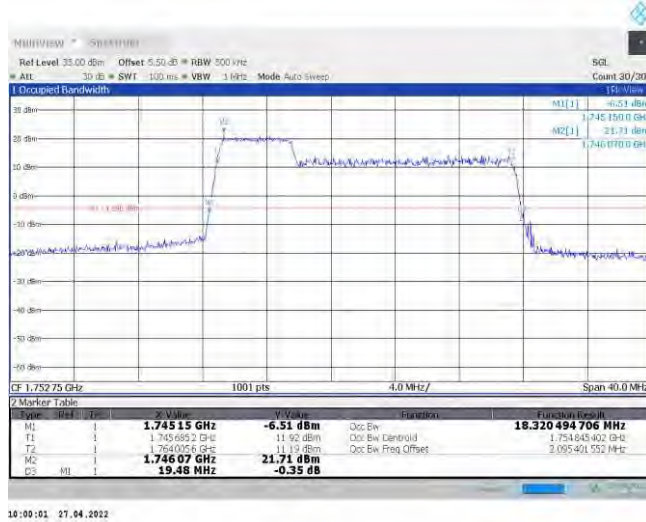
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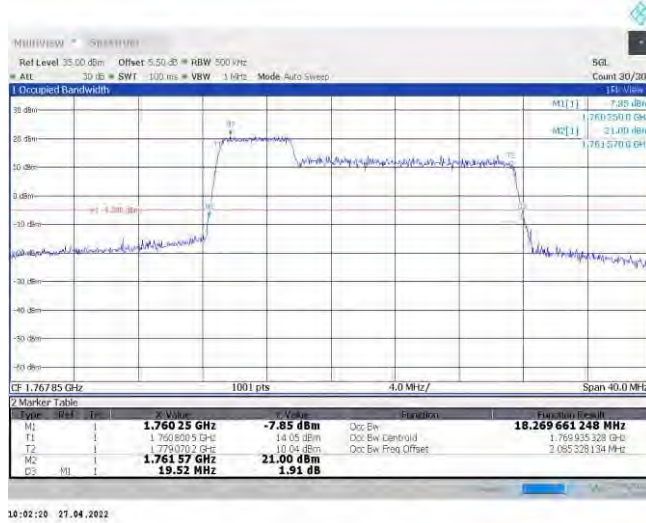
09:57:43 27.04.2022



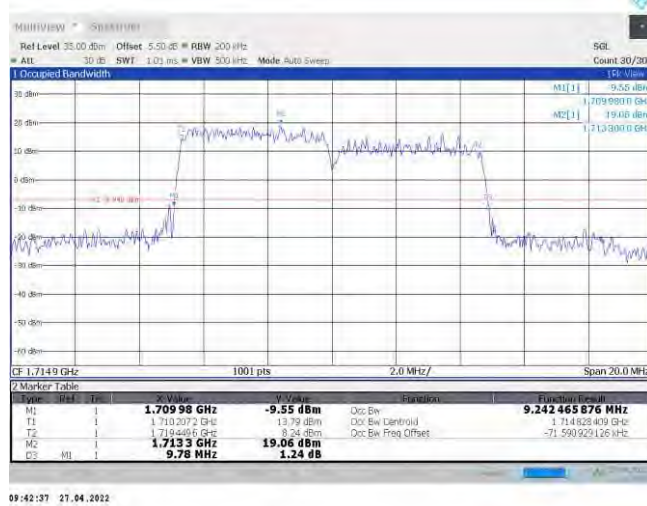
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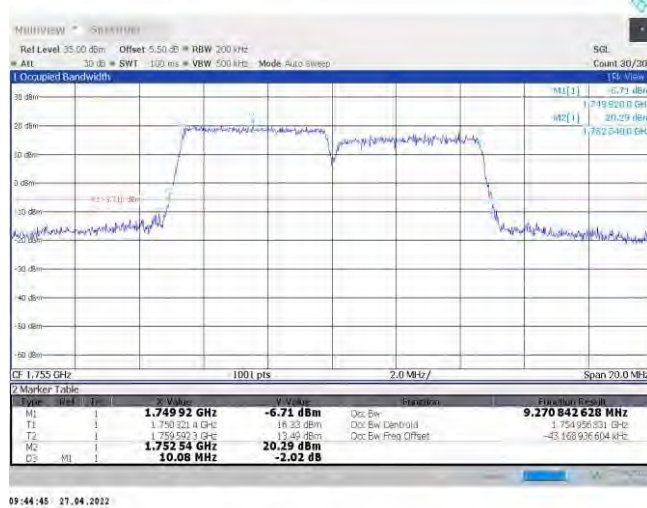
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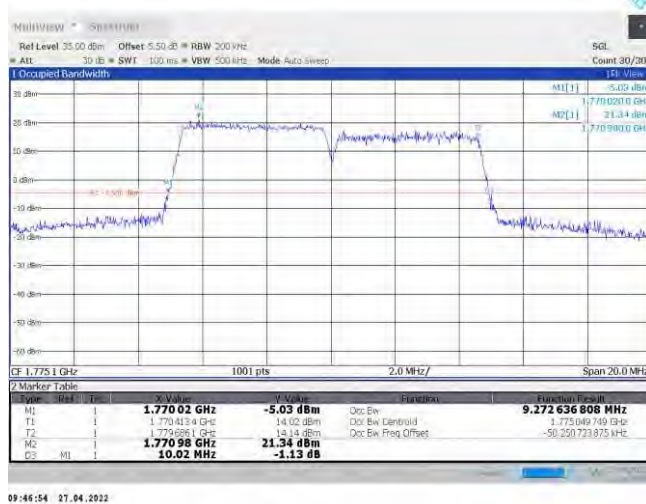
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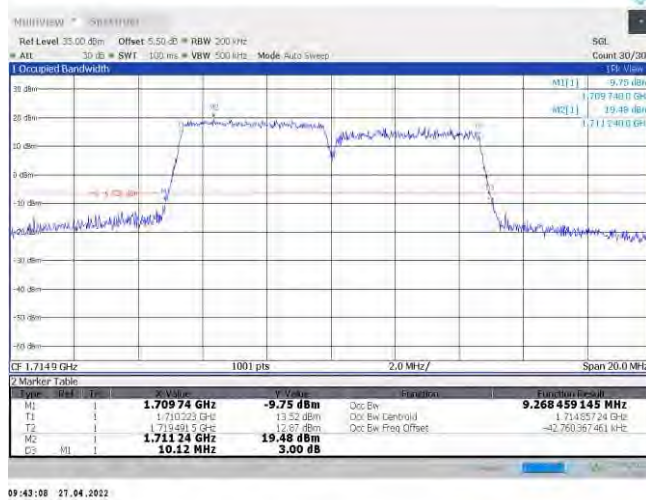
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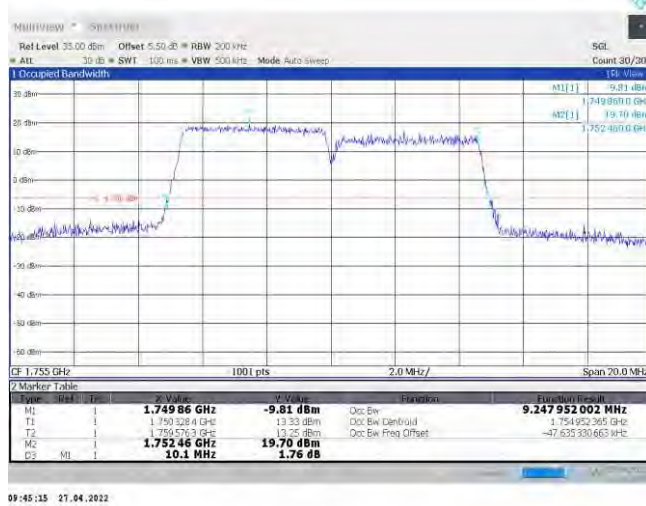
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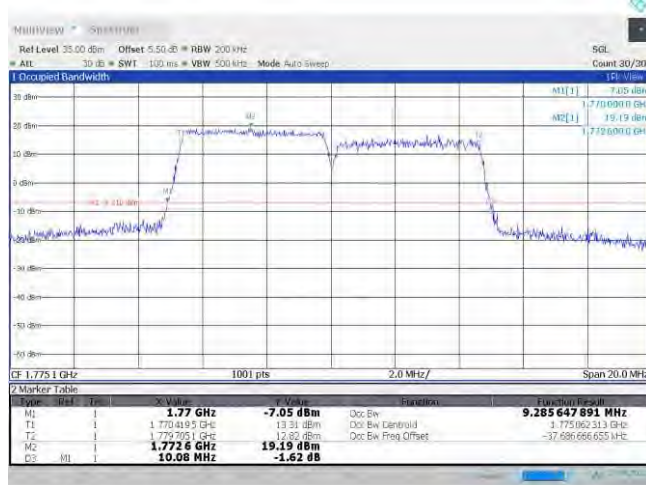


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09:45:15 27.04.2022

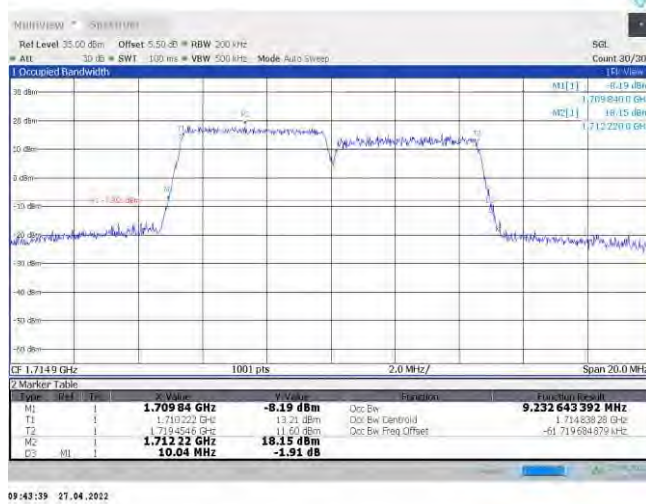
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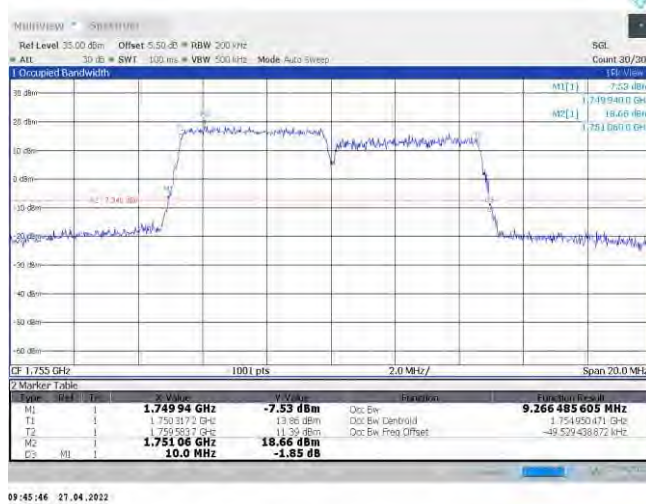
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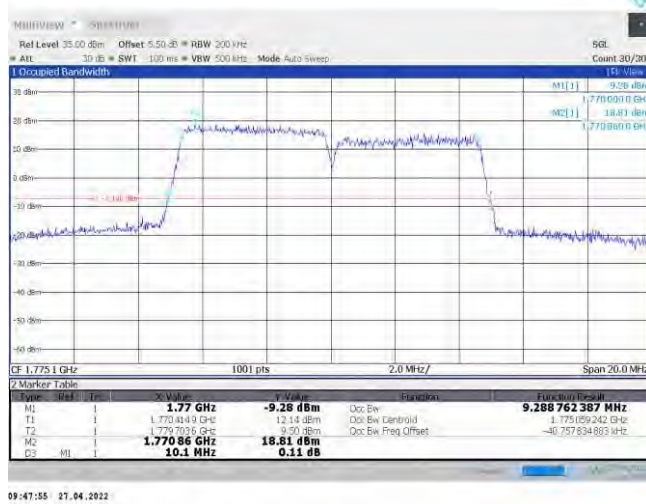
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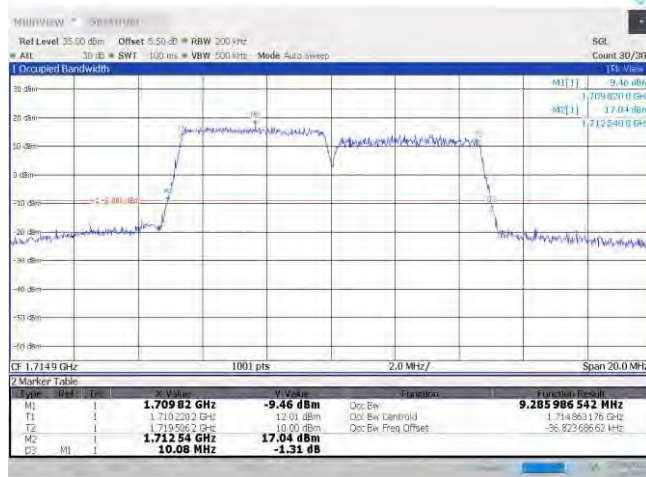


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09:47:55 27.04.2022

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09:44:09 27.04.2022



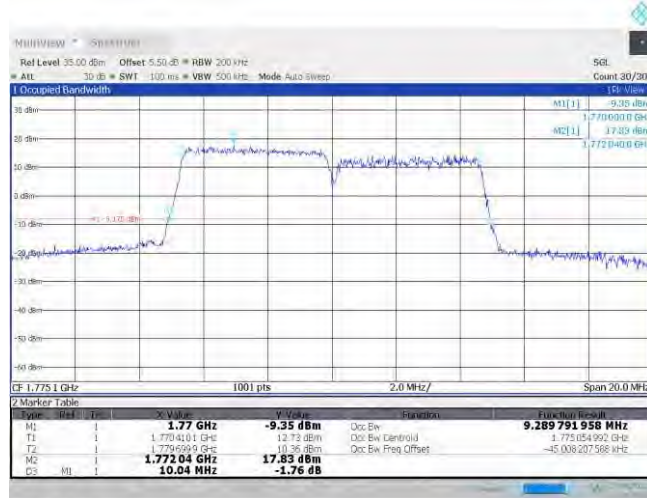


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09:46:16 27.04.2022

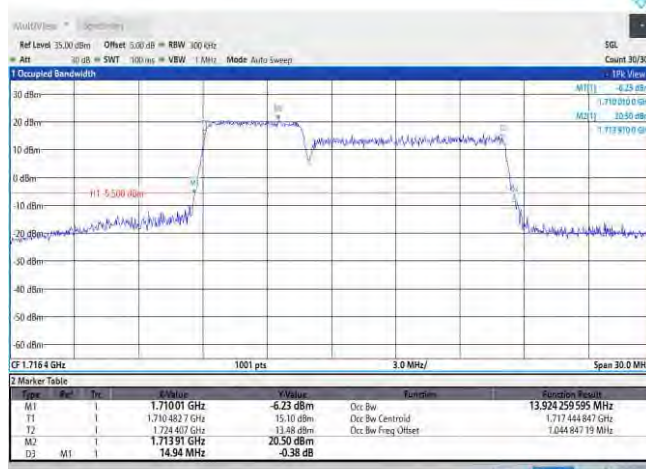
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09:48:26 27.04.2022

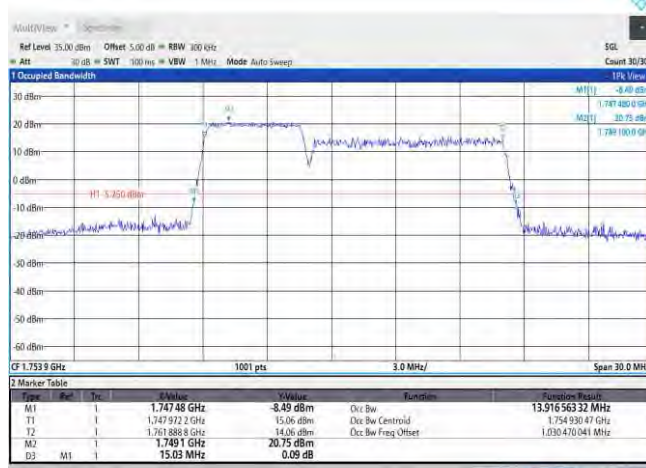


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15:27:12 25.05.2022

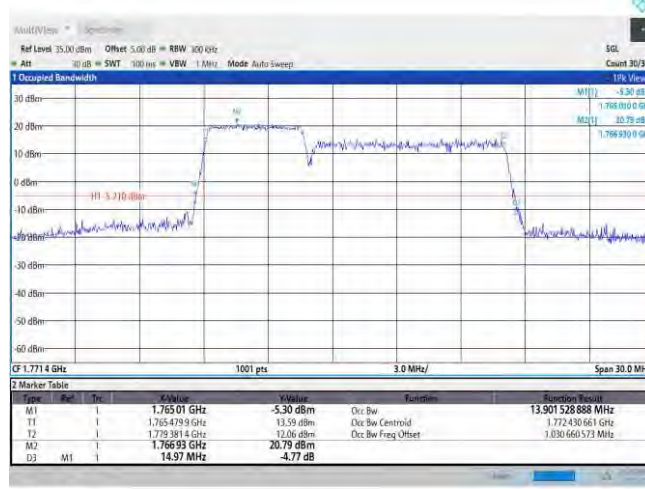
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15:29:22 25.05.2022

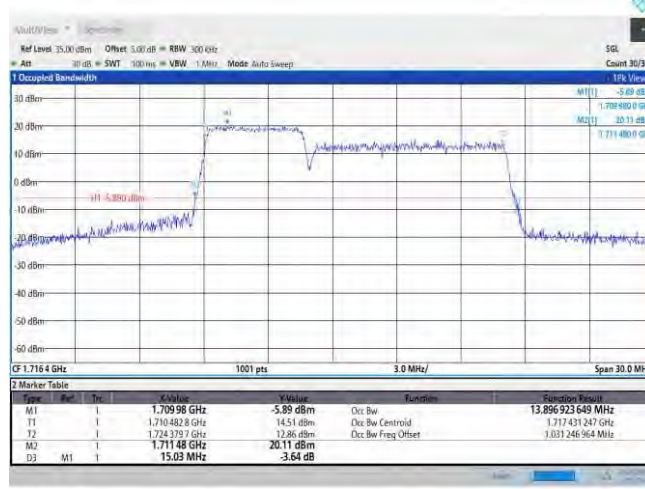


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15:31:33 25.05.2022

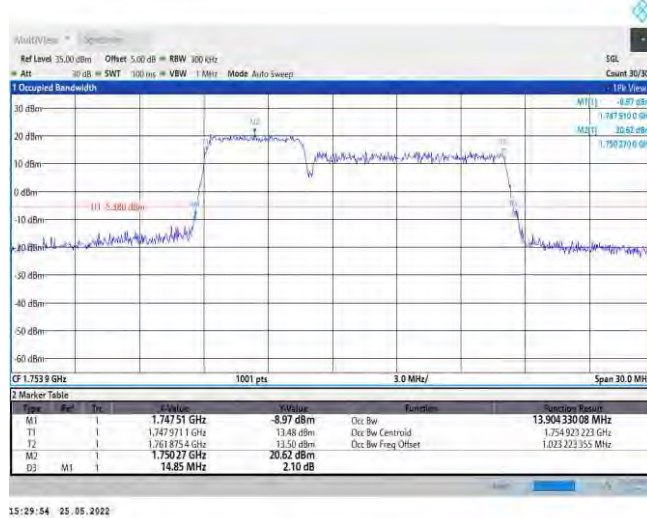
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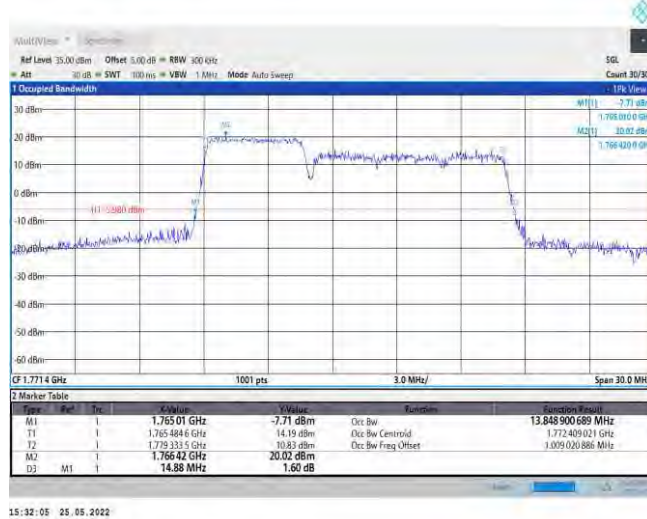
15:27:43 25.05.2022



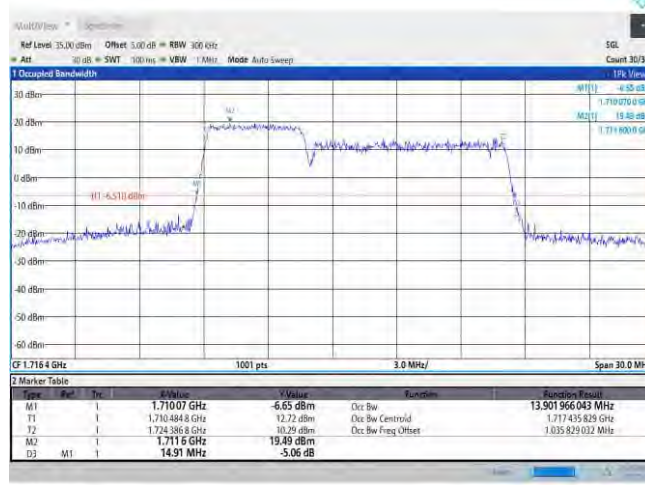
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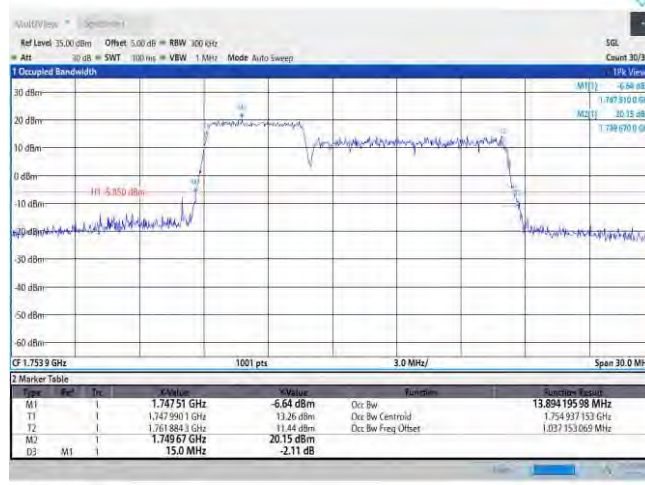


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15:28:15 25.05.2022

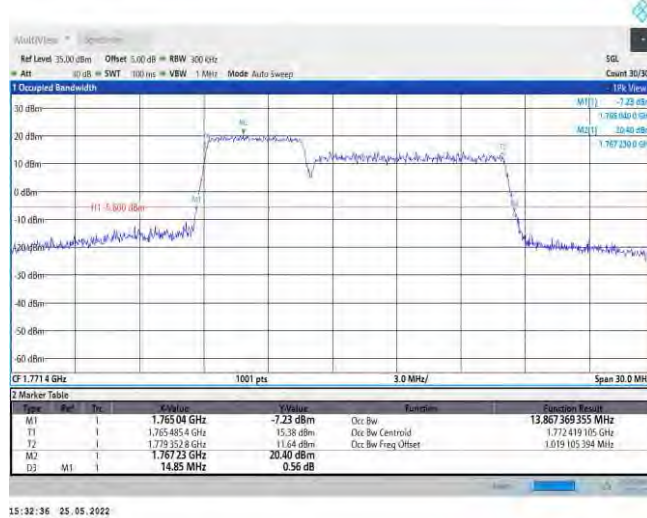
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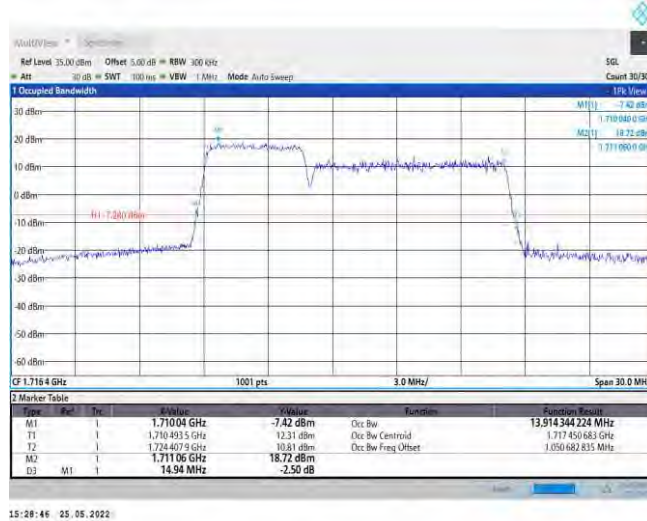
15:30:28 25.05.2022



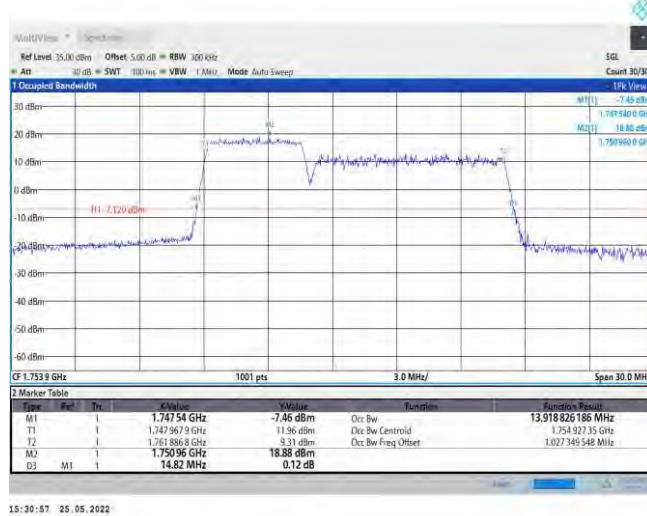
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66-66-5MHz-10MHz-256QAM-256QAM-132000-132072-25RB#0-50RB#0

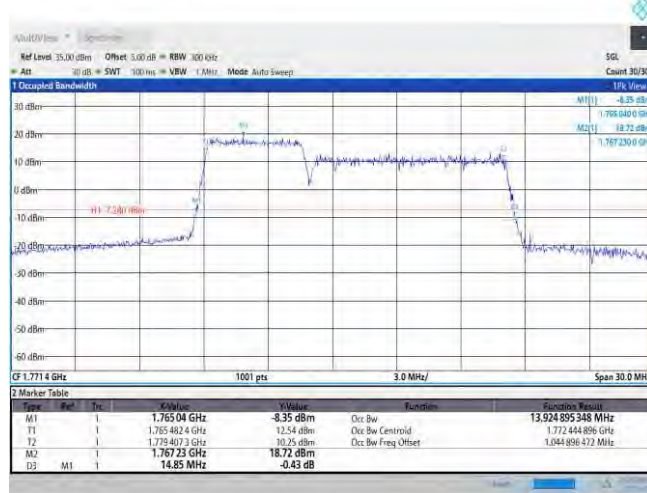


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15:30:57 25.05.2022

66-66-5MHz-10MHz-256QAM-256QAM-132550-132622-25RB#0-50RB#0



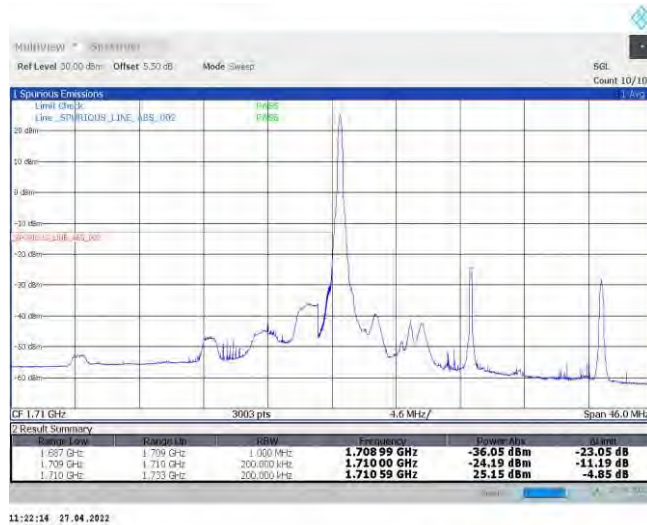
15:33:07 25.05.2022



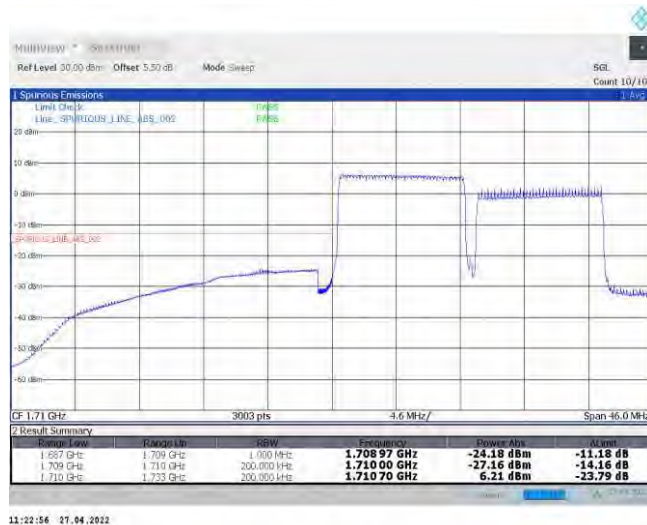
## Band Edge

## Test Graphs

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0

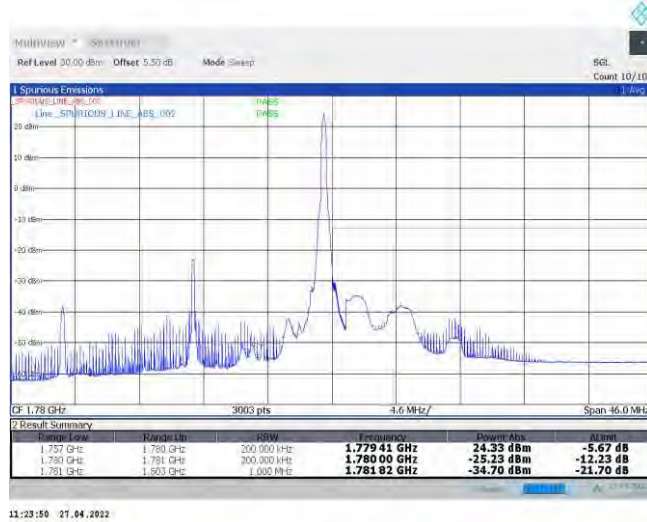


66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-50RB#0-50RB#0





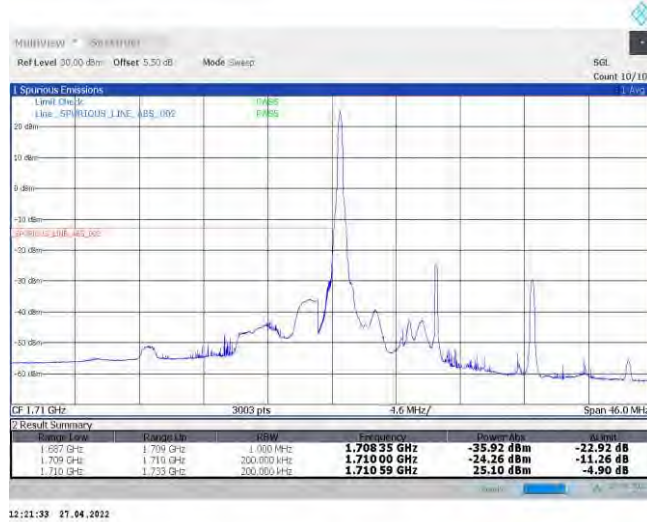
66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-0RB#0-1RB#49



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

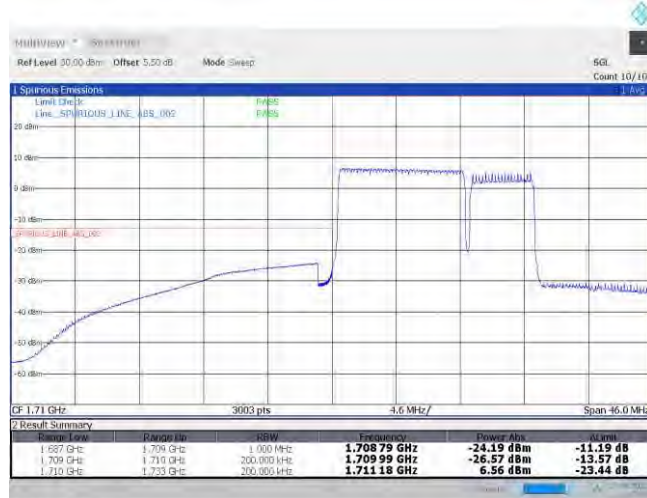


66-66-10MHz-5MHz-QPSK-QPSK-132022-132094-1RB#0-0RB#0



12:11:33 27.04.2022

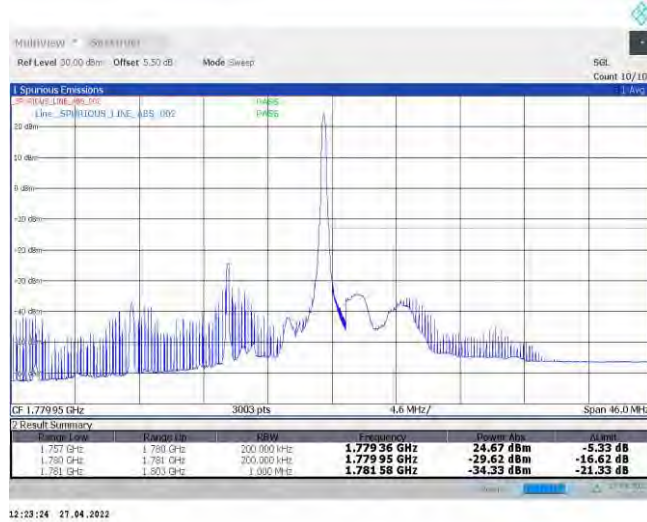
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12:22:16 27.04.2022



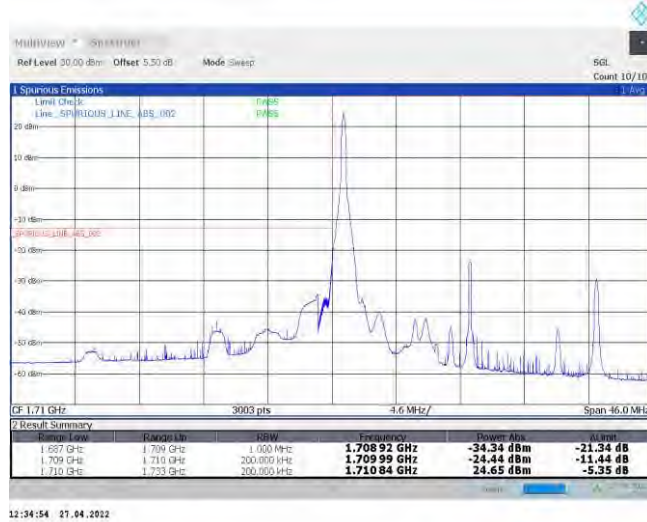
66-66-10MHz-5MHz-QPSK-QPSK-132572-132644-0RB#0-1RB#24



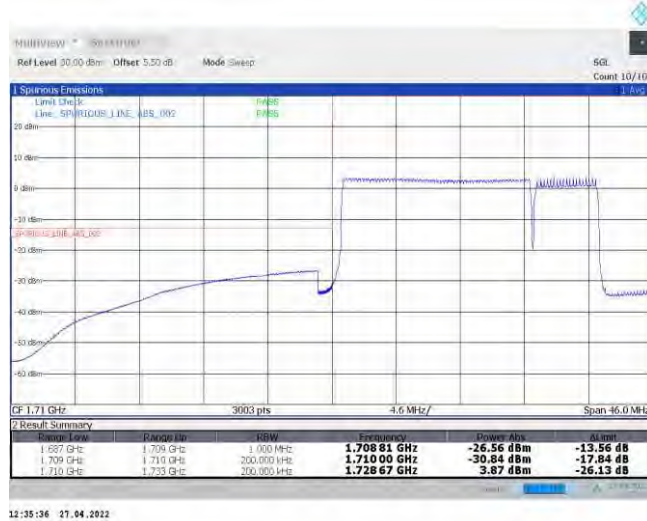
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66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-1RB#0-0RB#0



66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-75RB#0-25RB#0

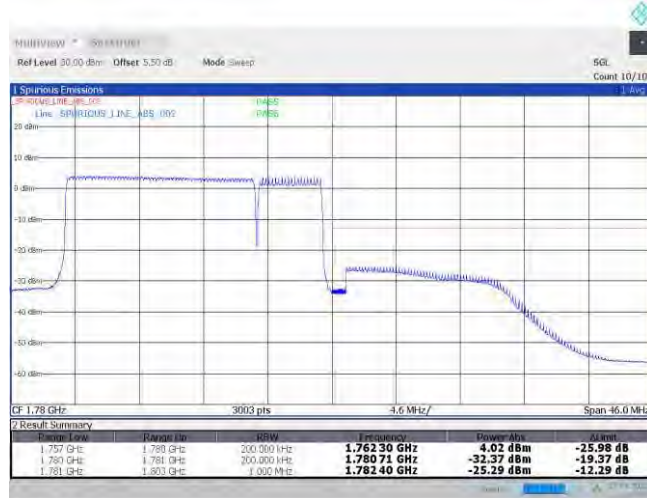


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12:38:53 27.04.2022

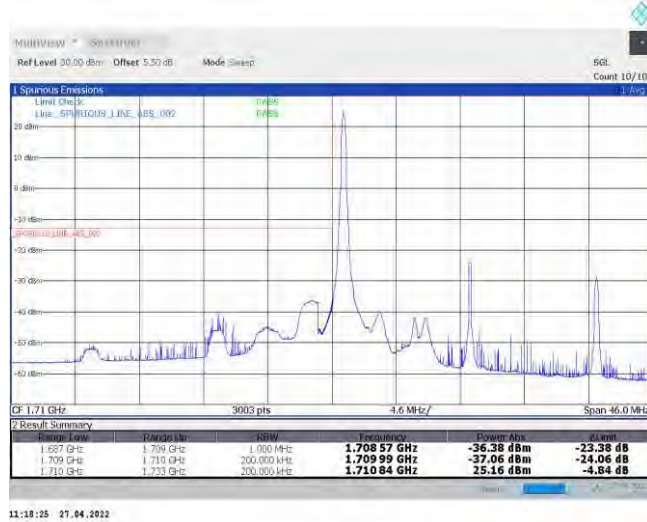
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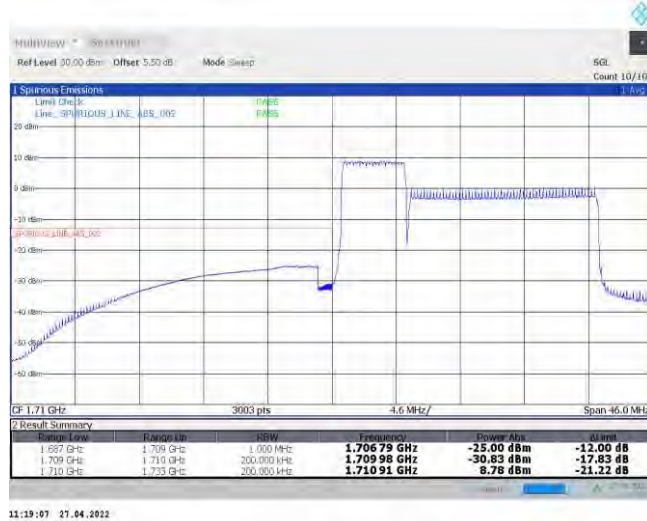
12:39:35 27.04.2022



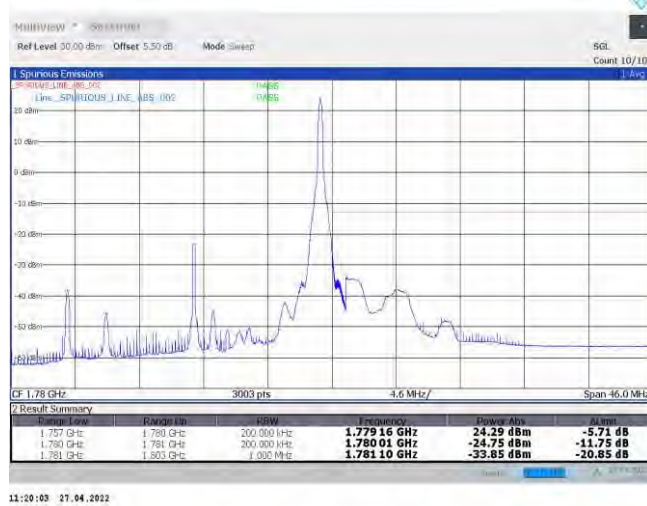
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66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-25RB#0-75RB#0

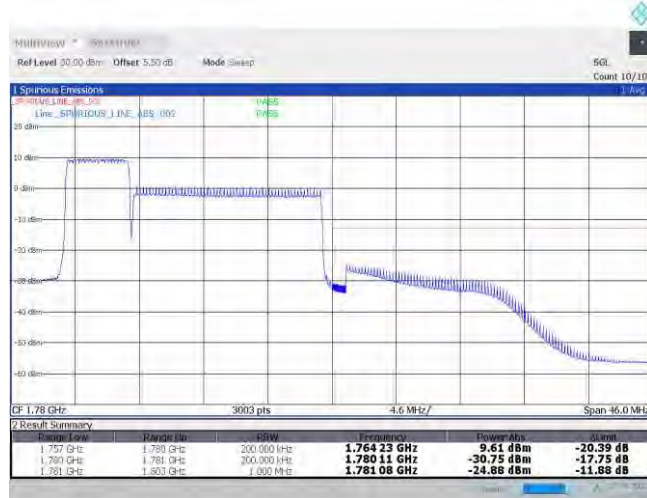


66-66-5MHz-15MHz-QPSK-QPSK-132504-132597-0RB#0-1RB#74



11:10:03 27.04.2012

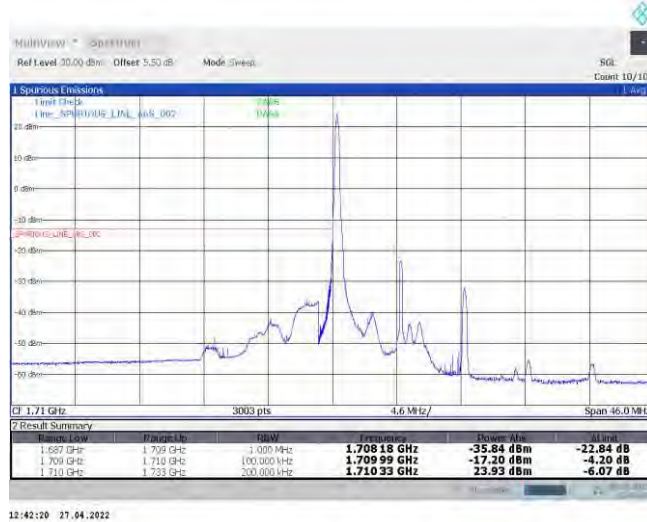
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11:10:45 27.04.2012



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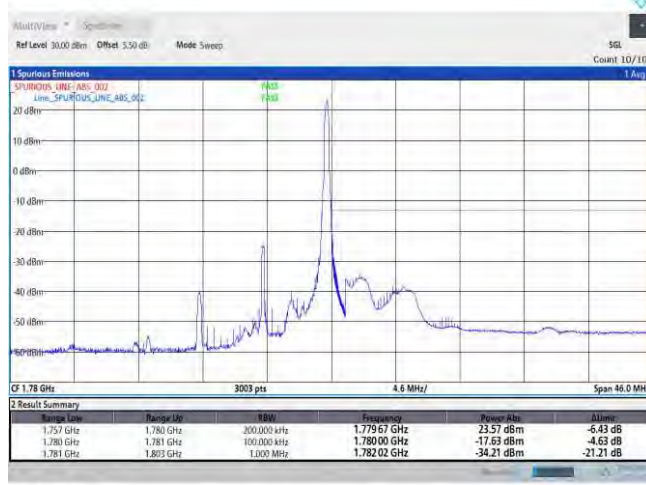


66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-25RB#0-25RB#0





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



16:12:19 29.04.2022

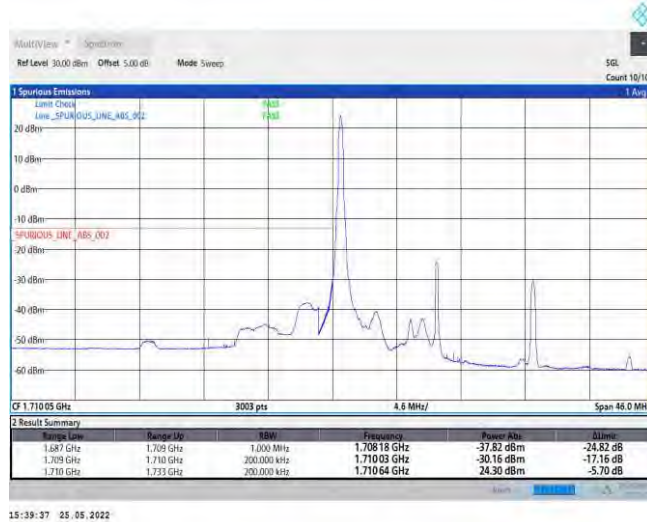
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11:17:27 27.04.2022

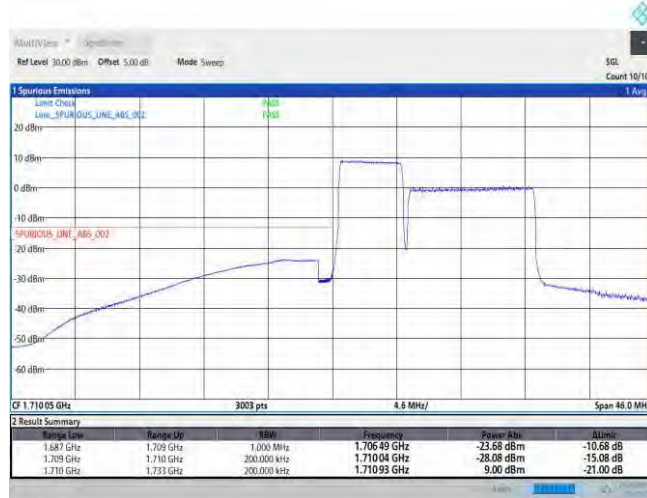


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15:39:37 25.05.2022

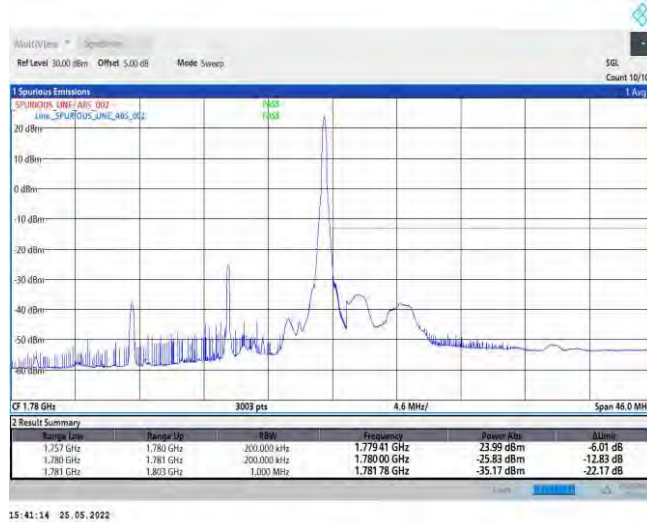
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15:40:19 25.05.2022

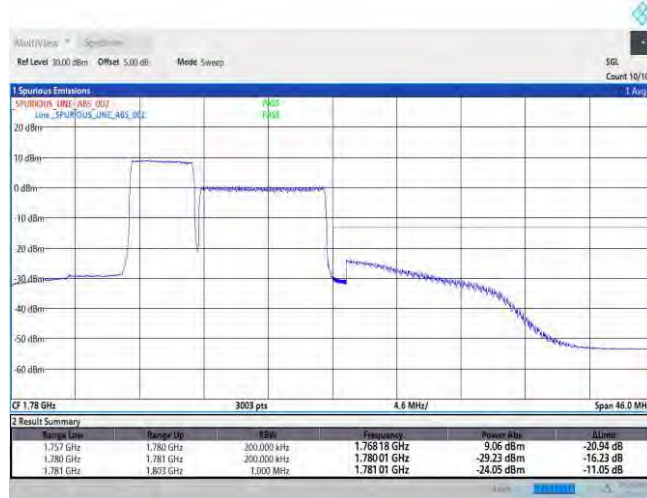


66-66-5MHz-10MHz-QPSK-QPSK-132550-132622-0RB#0-1RB#49



15:41:14 25.05.2022

66-66-5MHz-10MHz-QPSK-QPSK-132550-132622-25RB#0-50RB#0



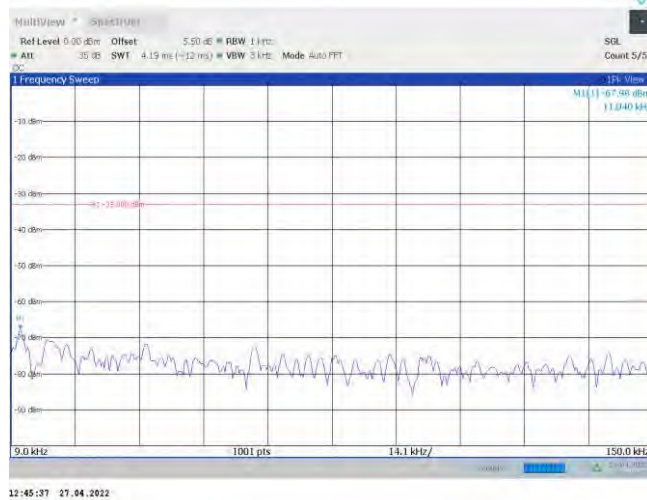
15:41:55 25.05.2022



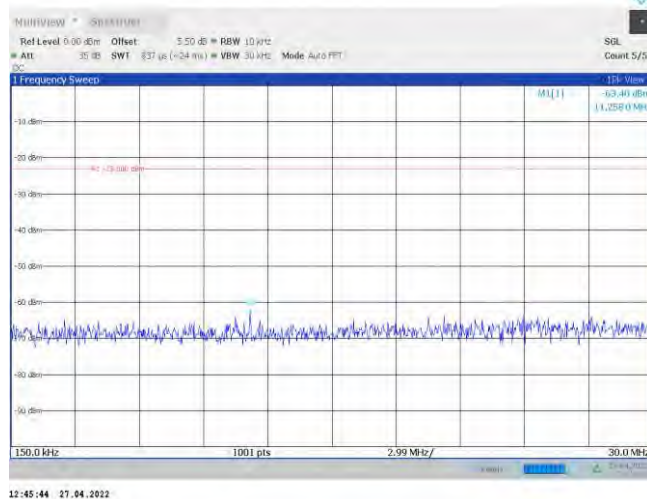
## Conducted Spurious Emission

### Test Graphs

66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-0.009~0.15MHz

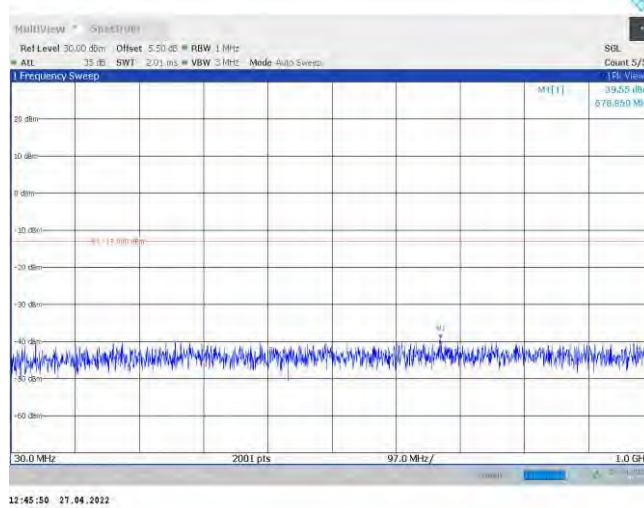


66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-0.15~30MHz

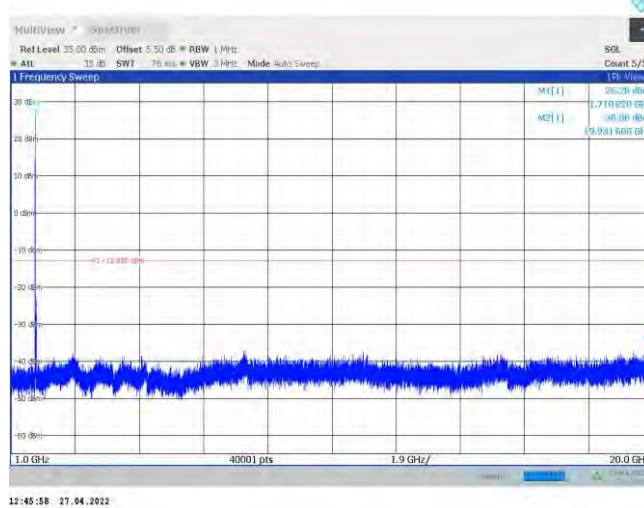




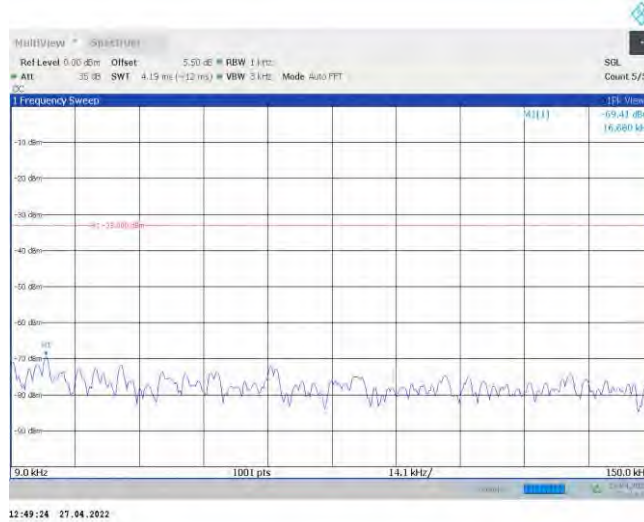
66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-30~1000MHz



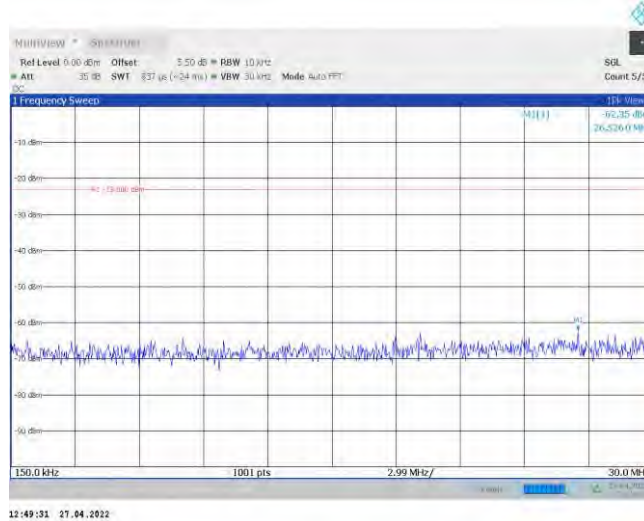
66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#0-0RB#0-1000~20000MHz



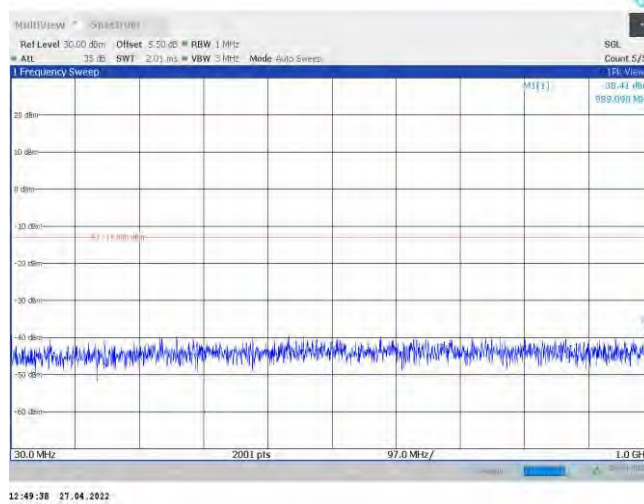
66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-0.009~0.15MHz



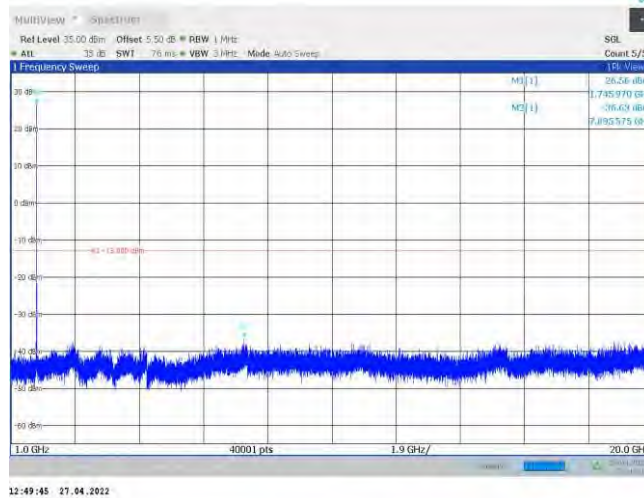
66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#0-0RB#0-0.15~30MHz



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

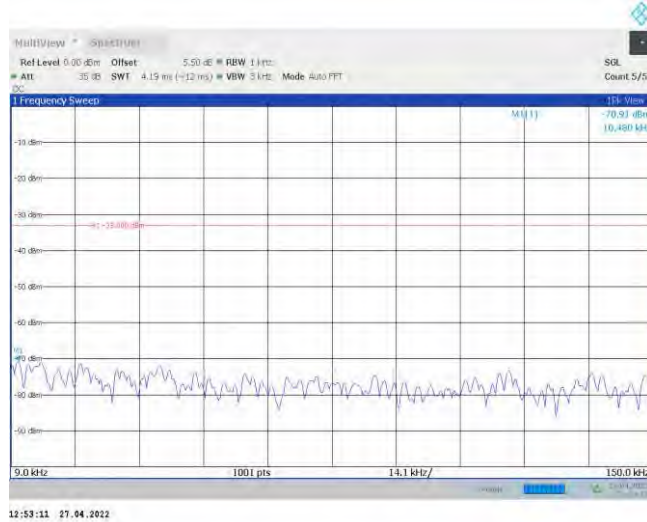


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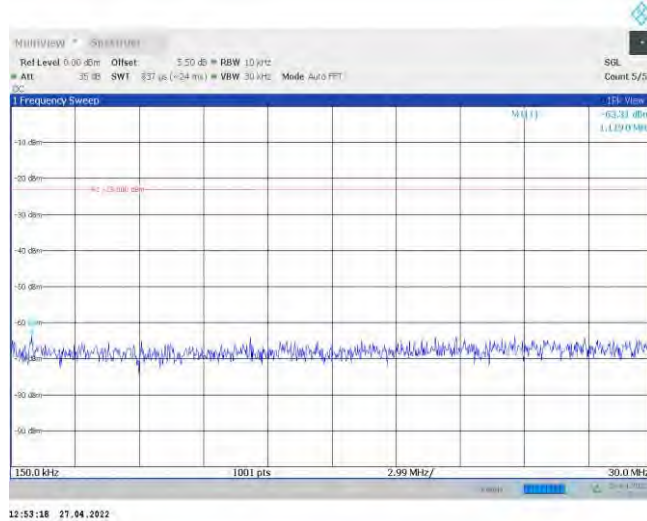




66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-0.009~0.15MHz

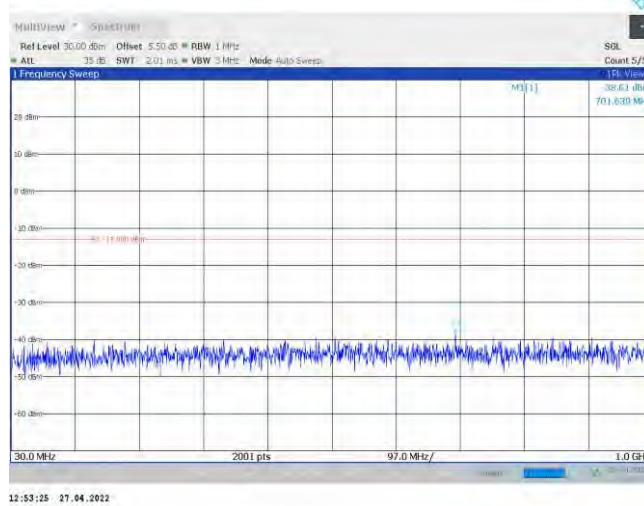


66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-0.15~30MHz

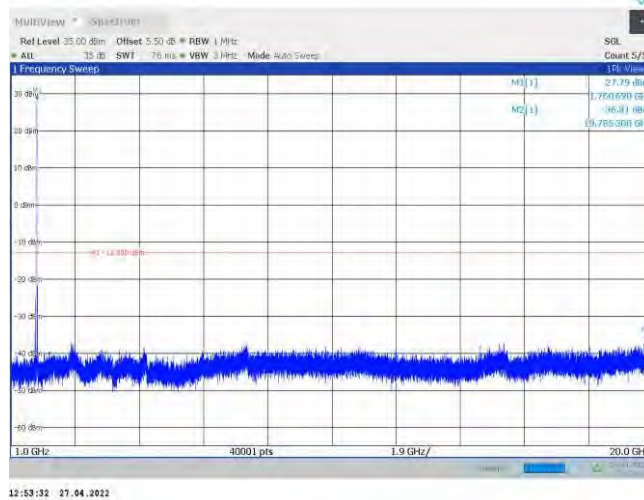




66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-30~1000MHz



66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-0RB#0-1000~20000MHz





## 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	10212.540	33.44	-39.45	38.81	-62.45	-13.00	49.45	250	4	Horizontal
6	11914.630	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	10212.540	32.99	-39.45	38.81	-62.90	-13.00	49.90	140	59	Vertical
6	11914.630	29.85	-37.18	38.88	-63.71	-13.00	50.71	129	118	Vertical





**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	10417.140	33.07	-38.97	38.88	-62.29	-13.00	49.29	236	216	Horizontal
6	12153.330	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	10417.140	32.65	-38.97	38.88	-62.71	-13.00	49.71	142	13	Vertical
6	12153.330	30.97	-37.42	39.09	-62.62	-13.00	49.62	160	238	Vertical





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	10447.740	32.94	-38.91	38.91	-62.32	-13.00	49.32	251	360	Horizontal
6	12189.030	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	10447.740	32.75	-38.91	38.91	-62.51	-13.00	49.51	156	351	Vertical
6	12189.030	31.26	-37.47	39.12	-62.35	-13.00	49.35	135	351	Vertical





## 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

The End



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