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Appendix B.17

LTE Band 66



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant13:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.13	20.93	33.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.25	21.05	33.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.26	21.06	33.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.17	19.97	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.23	21.03	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.28	21.08	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.27	21.07	33.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.20	20.00	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.07	20.87	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.08	20.88	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.07	20.87	33.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.99	19.79	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.36	20.16	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.32	20.12	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.45	20.25	33.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.26	19.06	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.41	20.21	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.44	20.24	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.48	20.28	33.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.26	19.06	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.18	19.98	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.31	20.11	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.15	19.95	33.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.08	18.88	33.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	21.28	19.08	33.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	21.20	19.00	33.00	PASS



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Band66	1.4MHz	64QAM	131979	1RB#5	21.32	19.12	33.00	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	20.28	18.08	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	21.30	19.10	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	21.40	19.20	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	21.32	19.12	33.00	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.35	18.15	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	21.11	18.91	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	21.17	18.97	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	21.16	18.96	33.00	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	20.16	17.96	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.26	21.06	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.26	21.06	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.27	21.07	33.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.19	19.99	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.23	21.03	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.26	21.06	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.23	21.03	33.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.16	19.96	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.06	20.86	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.09	20.89	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.07	20.87	33.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.02	19.82	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.43	20.23	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.44	20.24	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.36	20.16	33.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.21	19.01	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.46	20.26	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.51	20.31	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.40	20.20	33.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.21	19.01	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.20	20.00	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.22	20.02	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.25	20.05	33.00	PASS



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Band66	3MHz	16QAM	132657	15RB#0	21.00	18.80	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#0	21.25	19.05	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#8	21.25	19.05	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#14	21.35	19.15	33.00	PASS
Band66	3MHz	64QAM	131987	15RB#0	20.32	18.12	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#0	21.37	19.17	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#8	21.37	19.17	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#14	21.30	19.10	33.00	PASS
Band66	3MHz	64QAM	132322	15RB#0	20.38	18.18	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#0	21.05	18.85	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#8	21.07	18.87	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#14	21.14	18.94	33.00	PASS
Band66	3MHz	64QAM	132657	15RB#0	20.17	17.97	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.34	21.14	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.36	21.16	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.34	21.14	33.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.21	20.01	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.33	21.13	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.40	21.20	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.31	21.11	33.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.23	20.03	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.10	20.90	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.17	20.97	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.11	20.91	33.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.01	19.81	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.48	20.28	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.41	20.21	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.42	20.22	33.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.23	19.03	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.43	20.23	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.50	20.30	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.35	20.15	33.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.24	19.04	33.00	PASS



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Band66	5MHz	16QAM	132647	1RB#12	22.29	20.09	33.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.17	19.97	33.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.02	18.82	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#0	21.27	19.07	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#12	21.32	19.12	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#24	21.39	19.19	33.00	PASS
Band66	5MHz	64QAM	131997	25RB#0	20.37	18.17	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#0	21.37	19.17	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#12	21.40	19.20	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#24	21.37	19.17	33.00	PASS
Band66	5MHz	64QAM	132322	25RB#0	20.34	18.14	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#0	21.08	18.88	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#12	21.14	18.94	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#24	21.20	19.00	33.00	PASS
Band66	5MHz	64QAM	132647	25RB#0	20.16	17.96	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.25	21.05	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.32	21.12	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.32	21.12	33.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.25	20.05	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.24	21.04	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.33	21.13	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.23	21.03	33.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.19	19.99	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.08	20.88	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.11	20.91	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.11	20.91	33.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.02	19.82	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.38	20.18	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.47	20.27	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.47	20.27	33.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.26	19.06	33.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.49	20.29	33.00	PASS



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Band66	10MHz	16QAM	132322	1RB#49	22.45	20.25	33.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.18	18.98	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.27	20.07	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.27	20.07	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.18	19.98	33.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.02	18.82	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#0	21.29	19.09	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#24	21.36	19.16	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#49	21.35	19.15	33.00	PASS
Band66	10MHz	64QAM	132022	50RB#0	20.40	18.20	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#0	21.33	19.13	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#24	21.41	19.21	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#49	21.26	19.06	33.00	PASS
Band66	10MHz	64QAM	132322	50RB#0	20.30	18.10	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#0	21.06	18.86	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#24	21.11	18.91	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#49	21.21	19.01	33.00	PASS
Band66	10MHz	64QAM	132622	50RB#0	20.19	17.99	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.07	20.87	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.27	21.07	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.24	21.04	33.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.25	20.05	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.11	20.91	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.26	21.06	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.17	20.97	33.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.16	19.96	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.97	20.77	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.09	20.89	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.00	20.80	33.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.06	19.86	33.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.33	20.13	33.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.37	20.17	33.00	PASS



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Band66	15MHz	16QAM	132047	1RB#74	22.35	20.15	33.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.19	18.99	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.31	20.11	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.51	20.31	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.31	20.11	33.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.13	18.93	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.18	19.98	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.24	20.04	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.19	19.99	33.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.01	18.81	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#0	21.20	19.00	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#38	21.28	19.08	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#74	21.39	19.19	33.00	PASS
Band66	15MHz	64QAM	132047	75RB#0	20.33	18.13	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#0	21.25	19.05	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#38	21.32	19.12	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#74	21.26	19.06	33.00	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.32	18.12	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#0	20.97	18.77	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#38	21.19	18.99	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#74	21.09	18.89	33.00	PASS
Band66	15MHz	64QAM	132597	75RB#0	20.15	17.95	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.05	20.85	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.27	21.07	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.22	21.02	33.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.18	19.98	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.08	20.88	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.32	21.12	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.18	20.98	33.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.18	19.98	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.96	20.76	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.11	20.91	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.01	20.81	33.00	PASS



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Band66	20MHz	QPSK	132572	100RB#0	22.05	19.85	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.13	19.93	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.37	20.17	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.26	20.06	33.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.14	18.94	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.21	20.01	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.37	20.17	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.31	20.11	33.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.12	18.92	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.16	19.96	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.22	20.02	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.16	19.96	33.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.00	18.80	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#0	21.12	18.92	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#49	21.28	19.08	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#99	21.30	19.10	33.00	PASS
Band66	20MHz	64QAM	132072	100RB#0	20.30	18.10	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.16	18.96	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#49	21.31	19.11	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#99	21.26	19.06	33.00	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.30	18.10	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#0	21.04	18.84	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#49	21.13	18.93	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#99	21.07	18.87	33.00	PASS
Band66	20MHz	64QAM	132572	100RB#0	20.16	20.93	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.26	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.22	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.16	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.08	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.12	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.98	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.48	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.48	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.34	13	PASS



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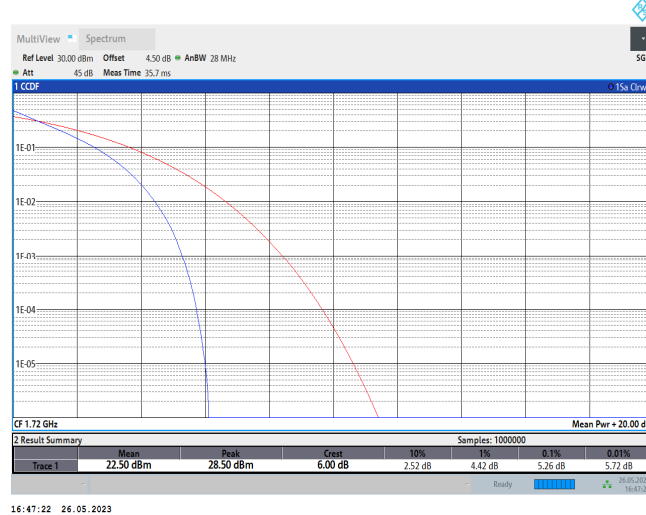
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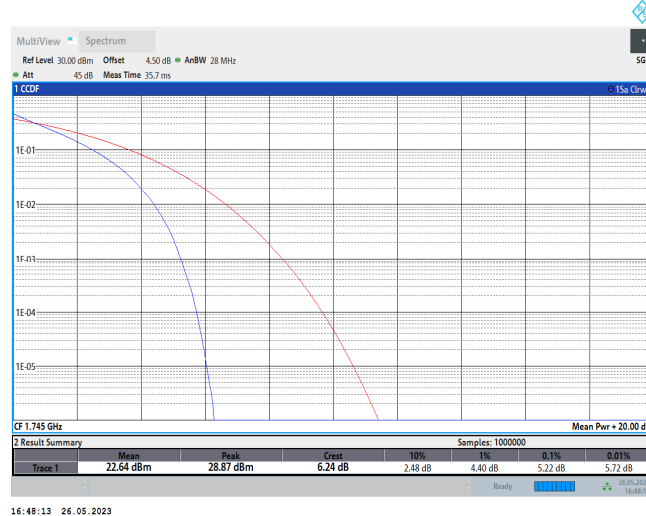
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Test Graphs

Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132322-100RB#0



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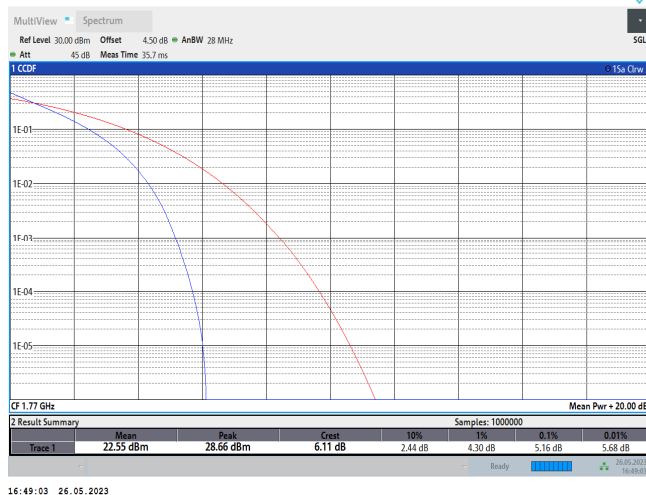
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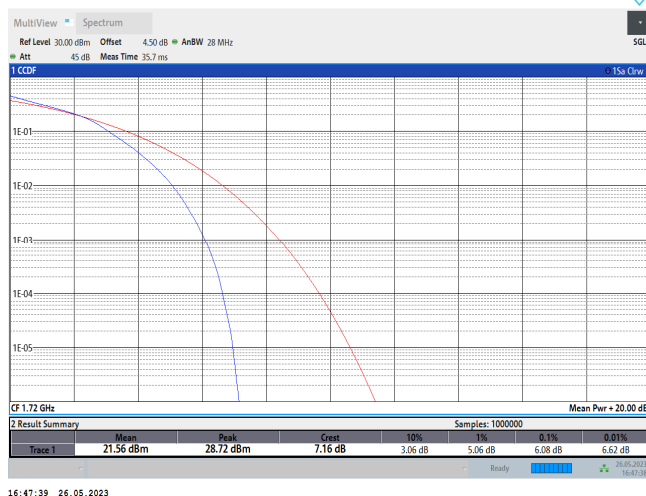
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Band66-20MHz-16QAM-132072-100RB#0



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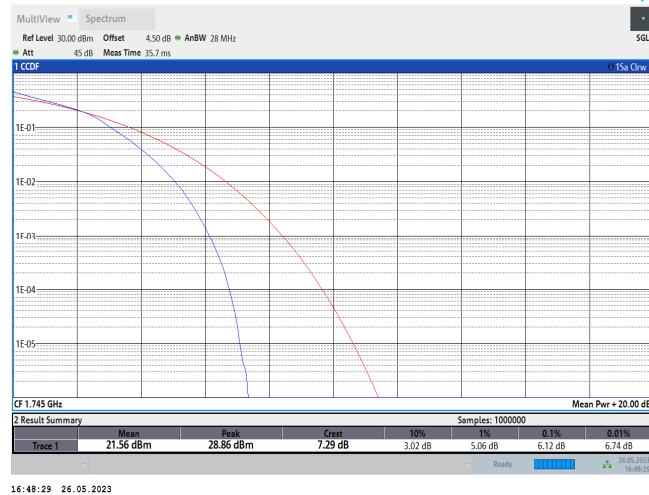
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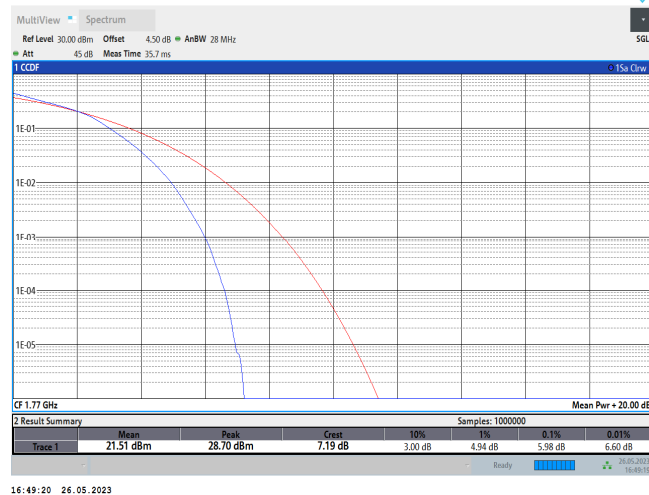
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Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0



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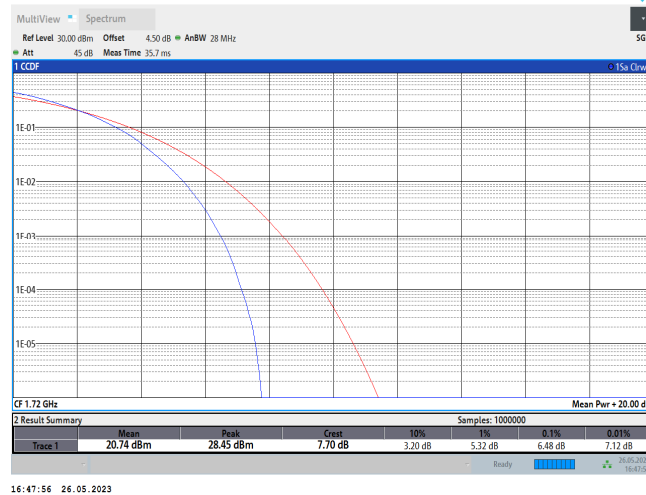
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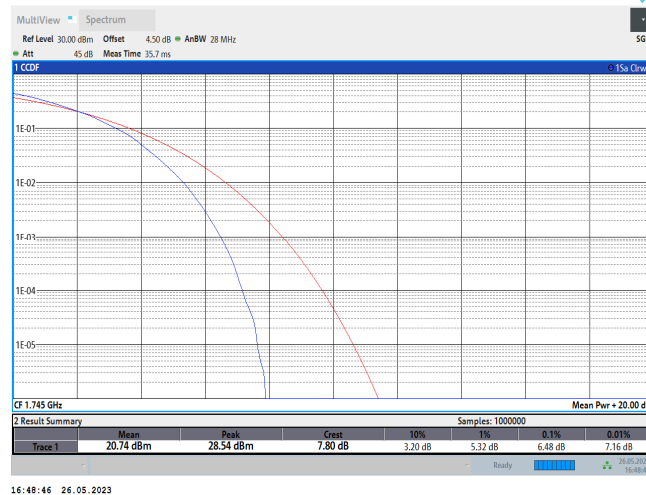
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Band66-20MHz-64QAM-132322-100RB#0



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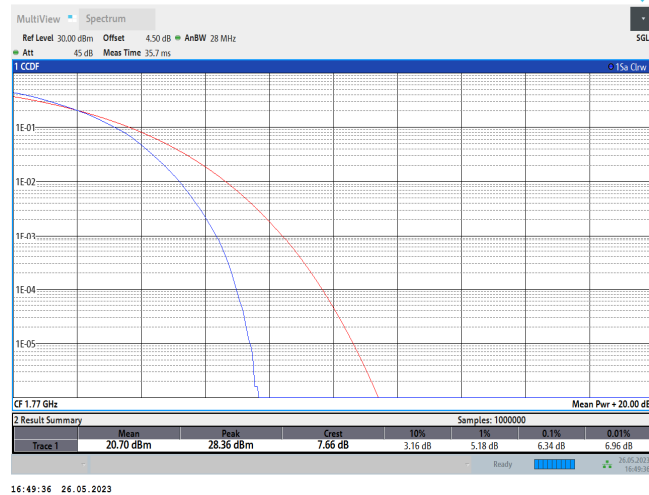
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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band66	20MHz	QPSK	132322	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132322	100RB#0	PASS	PASS
Band66	20MHz	64QAM	132322	100RB#0	PASS	PASS



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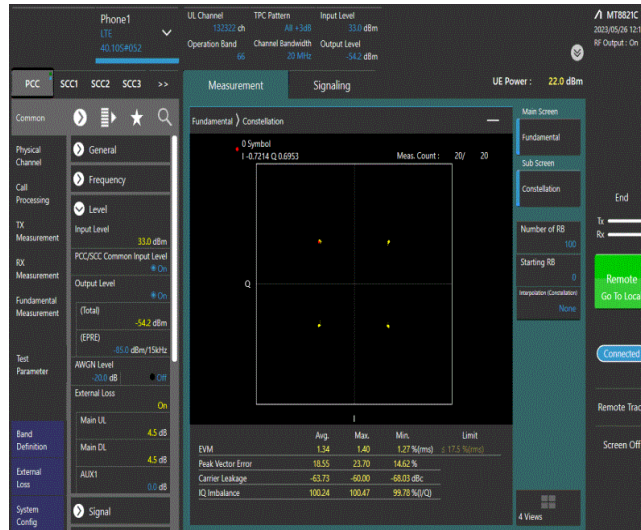
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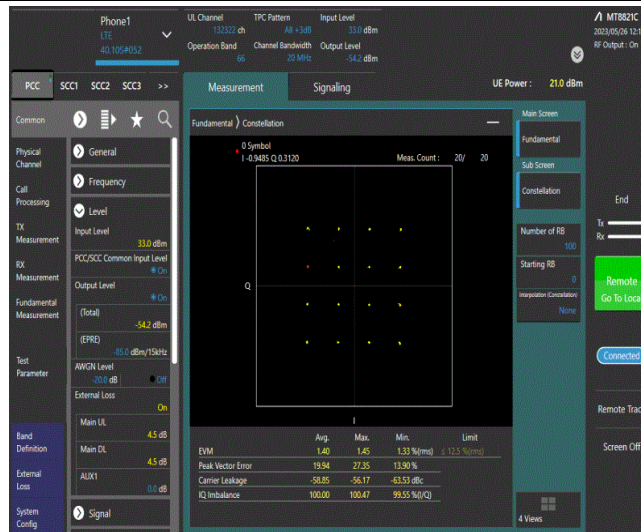
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Test Graphs

Band66-20MHz-QPSK-132322-100RB#0



Band66-20MHz-16QAM-132322-100RB#0



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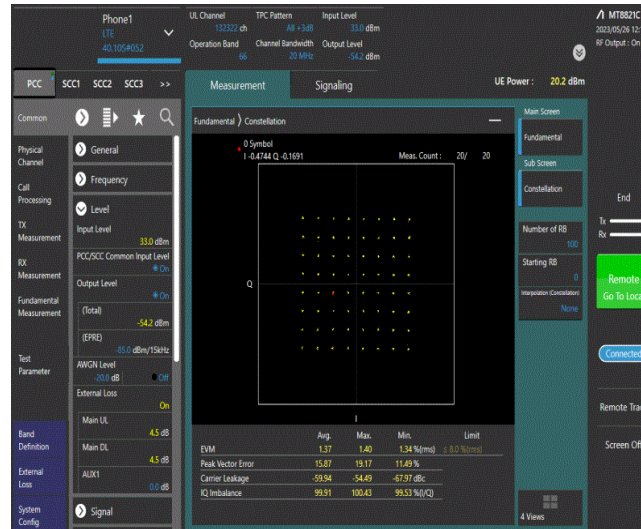
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Band66-20MHz-64QAM-132322-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.082	1.26	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.28	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.089	1.29	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.094	1.28	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.088	1.29	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.096	1.31	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.097	1.30	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.089	1.28	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.088	1.30	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.687	2.92	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.687	2.88	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.693	2.93	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.677	2.93	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.679	2.89	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.677	2.89	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.695	2.92	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.686	2.90	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.686	2.89	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.483	4.85	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.468	4.76	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.469	4.77	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.468	4.90	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.469	4.80	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.451	4.76	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.467	4.84	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.463	4.74	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.476	4.77	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.930	9.44	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.940	9.52	PASS



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Band66	10MHz	QPSK	132622	50RB#0	8.939	9.46	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.954	9.56	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.941	9.50	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.918	9.50	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.957	9.56	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.932	9.60	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.909	9.62	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.470	14.49	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.510	14.52	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.502	14.67	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.487	14.52	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.483	14.58	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.457	14.61	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.480	14.61	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.456	14.61	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.460	14.61	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.891	19.08	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.926	19.08	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.930	19.20	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.855	19.12	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.849	19.16	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.868	19.16	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.917	19.00	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.885	19.20	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.883	18.92	PASS



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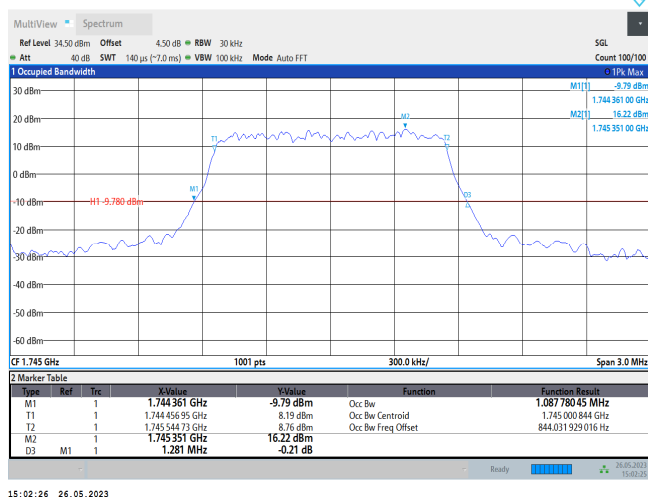
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Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0



Band66-1.4MHz-QPSK-132322-6RB#0

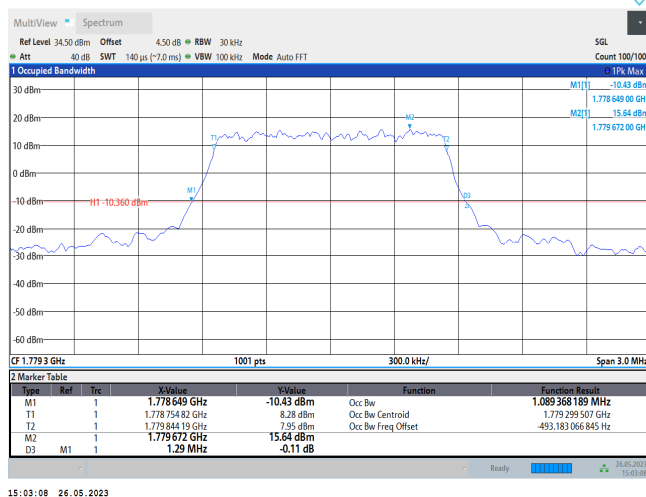


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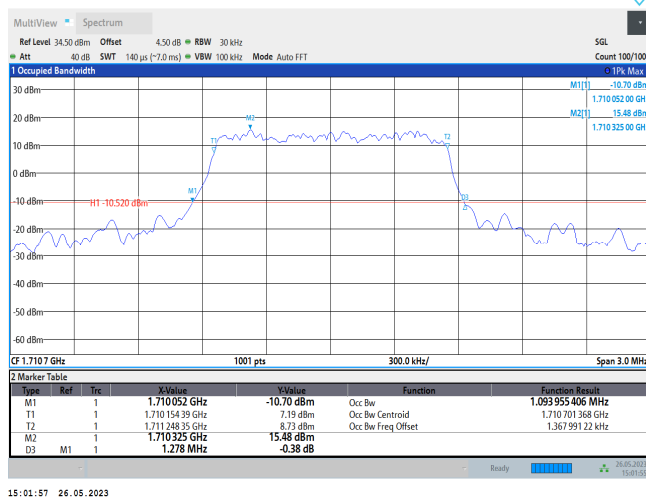
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Band66-1.4MHz-QPSK-132665-6RB#0



Band66-1.4MHz-16QAM-131979-6RB#0



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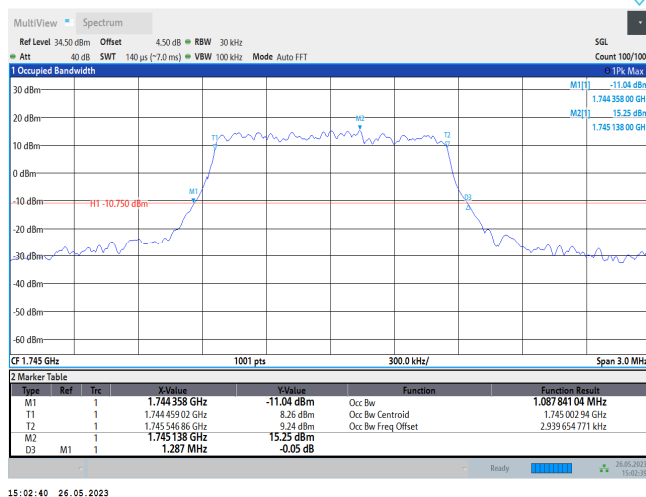
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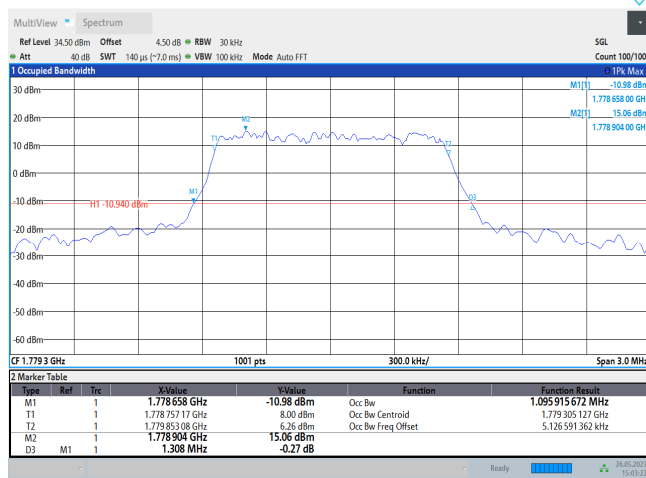
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Band66-1.4MHz-16QAM-132322-6RB#0



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Band66-1.4MHz-16QAM-132665-6RB#0



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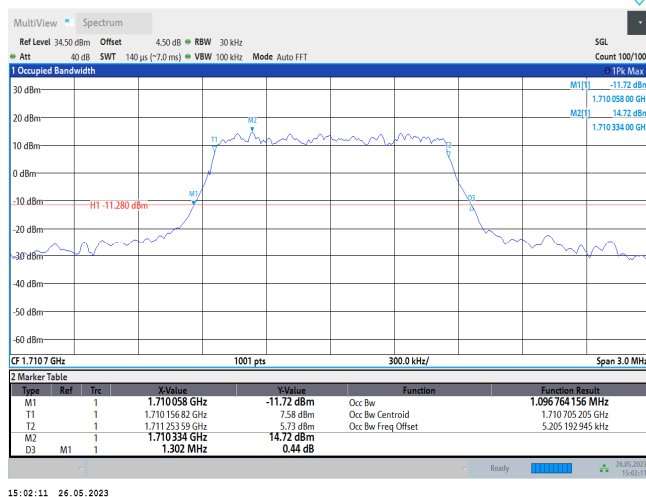
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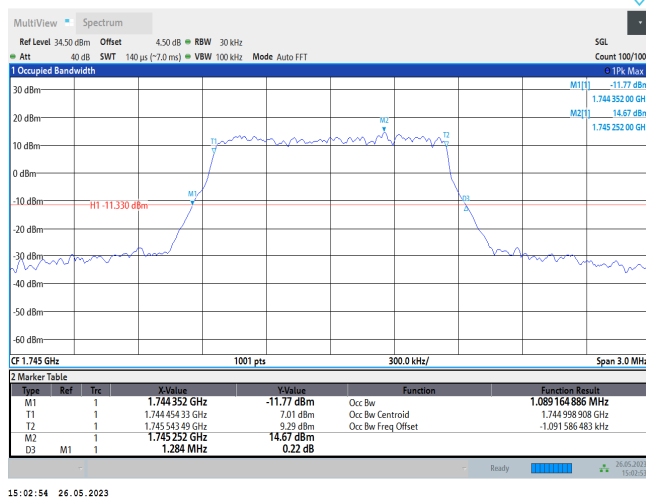
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Band66-1.4MHz-64QAM-131979-6RB#0



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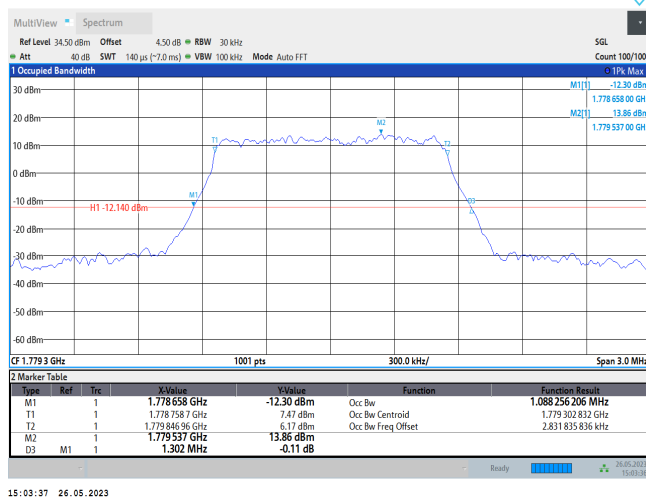


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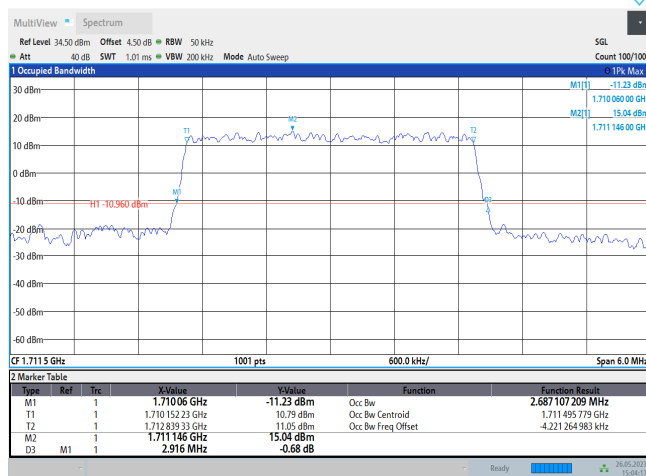
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Band66-1.4MHz-64QAM-132665-6RB#0



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Band66-3MHz-QPSK-131987-15RB#0



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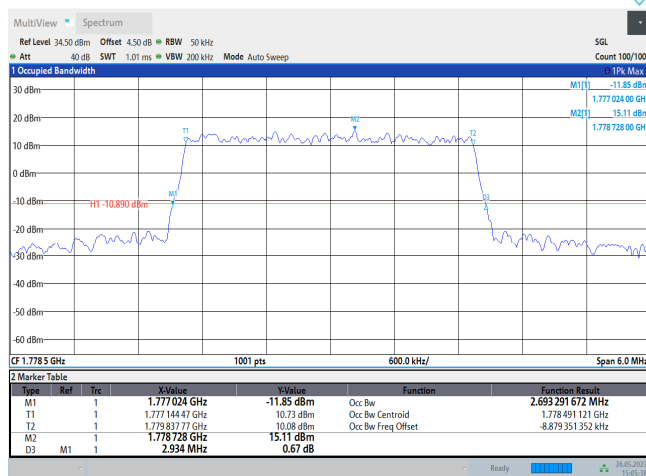
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Band66-3MHz-QPSK-132322-15RB#0



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Band66-3MHz-QPSK-132657-15RB#0



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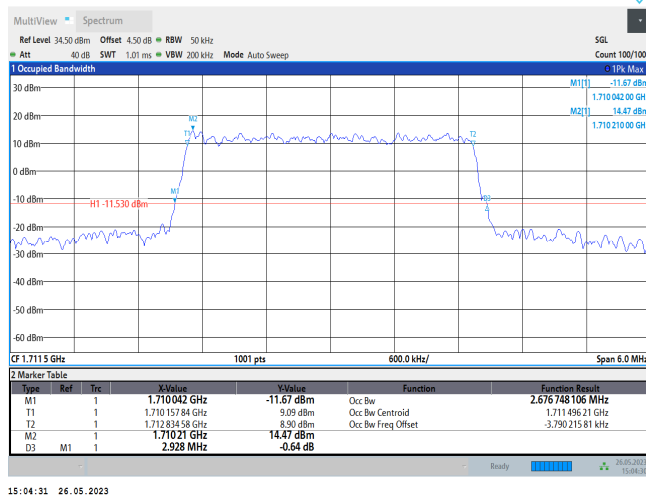
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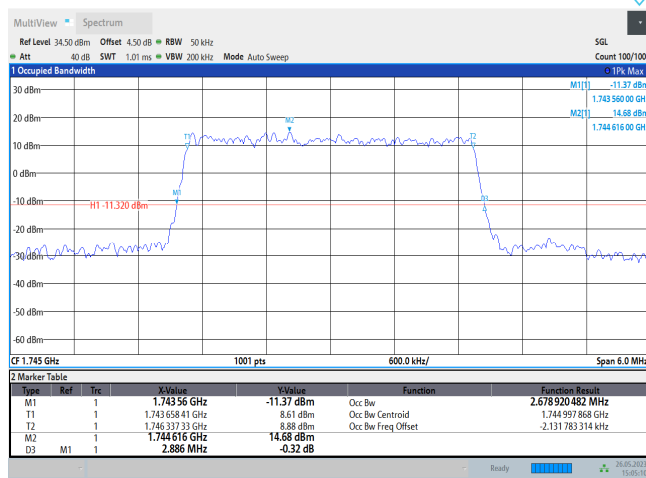
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Band66-3MHz-16QAM-131987-15RB#0



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Band66-3MHz-16QAM-132322-15RB#0



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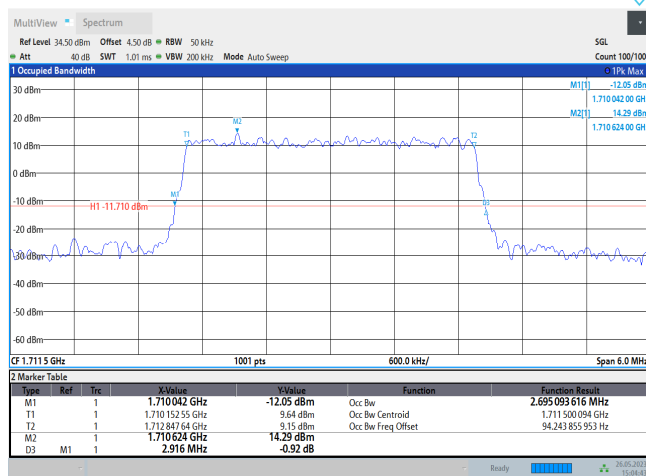
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Band66-3MHz-16QAM-132657-15RB#0



15:05:51 26.05.2023

Band66-3MHz-64QAM-131987-15RB#0



15:04:44 26.05.2023



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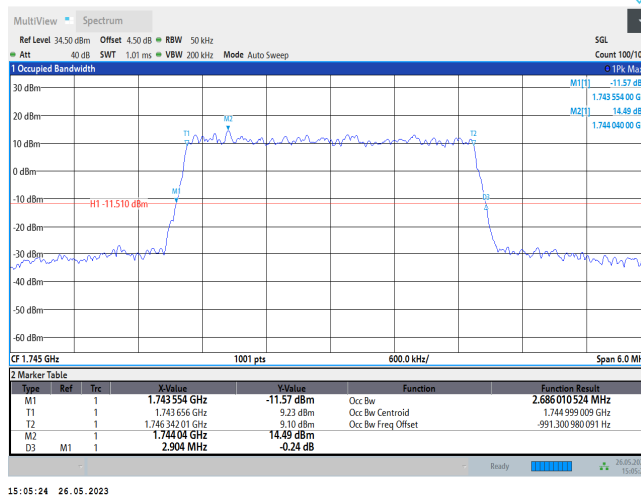
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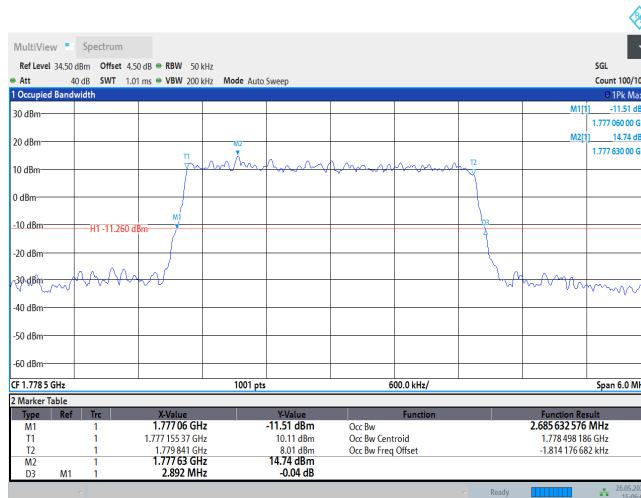
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Band66-3MHz-64QAM-132322-15RB#0



15:05:24 26.05.2023

Band66-3MHz-64QAM-132657-15RB#0



15:06:05 26.05.2023

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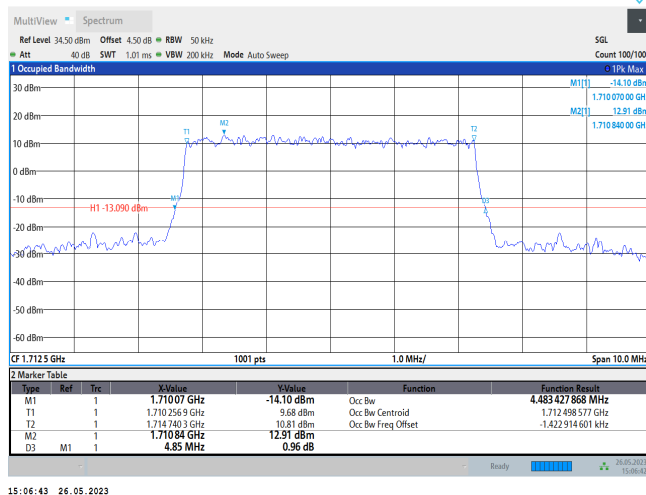
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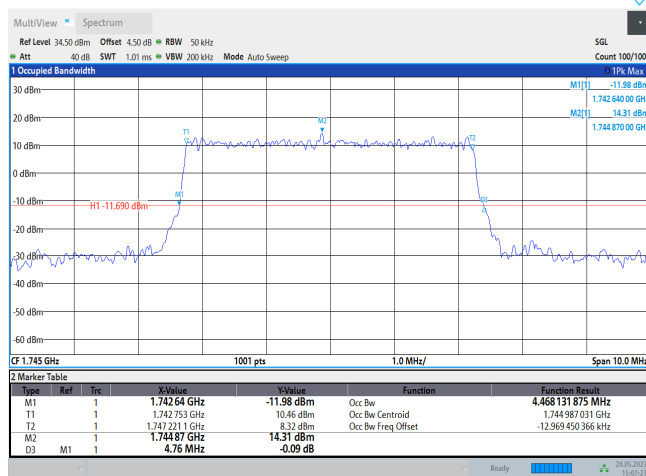
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Band66-5MHz-QPSK-131997-25RB#0



15:06:43 26.05.2023

Band66-5MHz-QPSK-132322-25RB#0



15:07:23 26.05.2023

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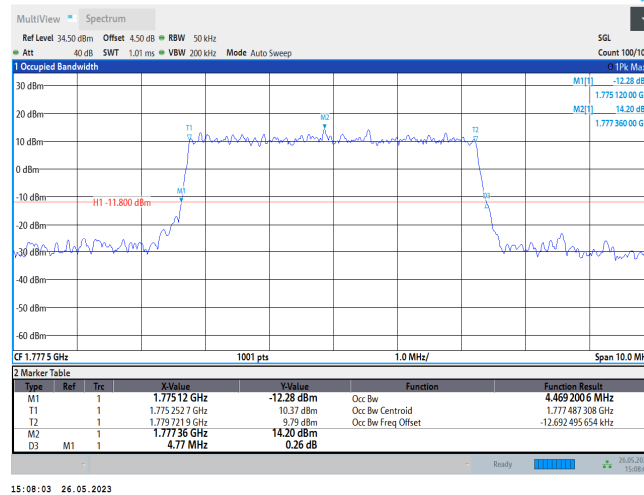
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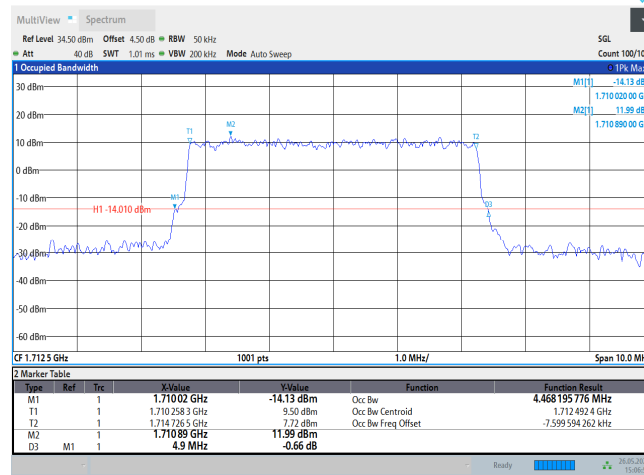
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15:08:03 26.05.2023

Band66-5MHz-16QAM-131997-25RB#0



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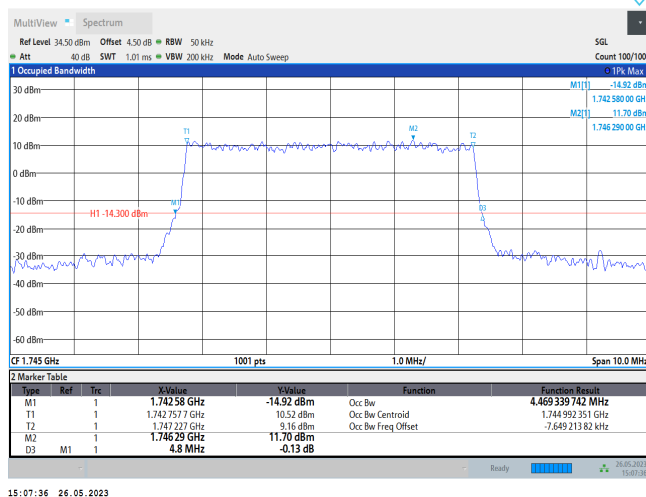
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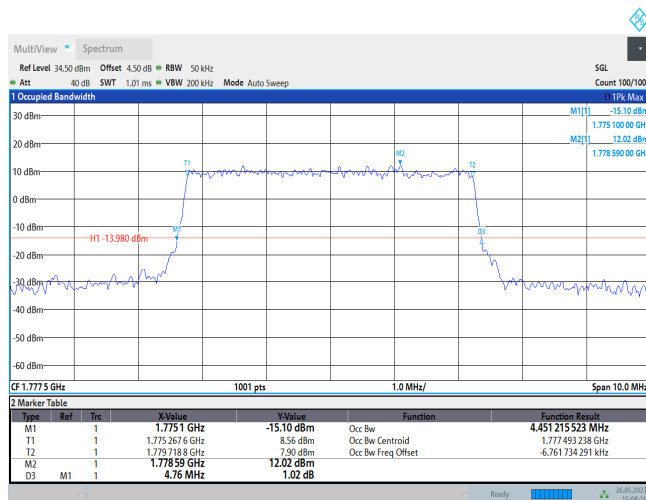
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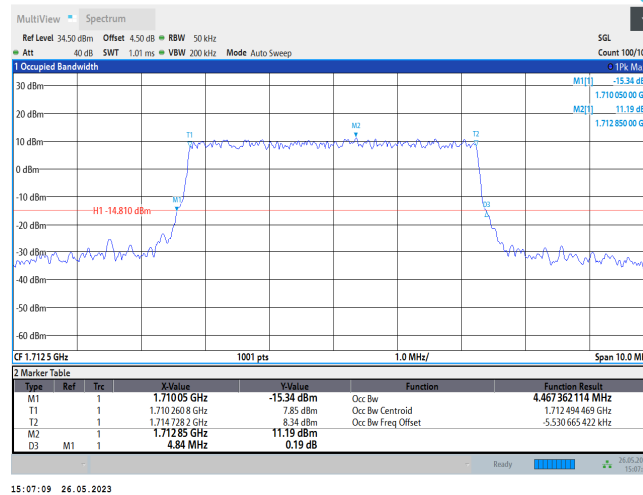
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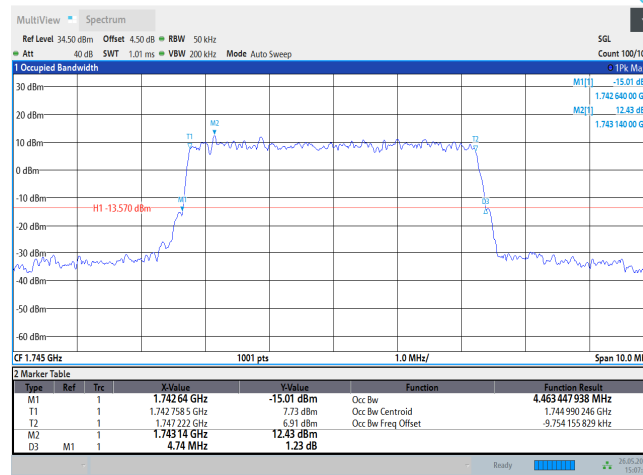
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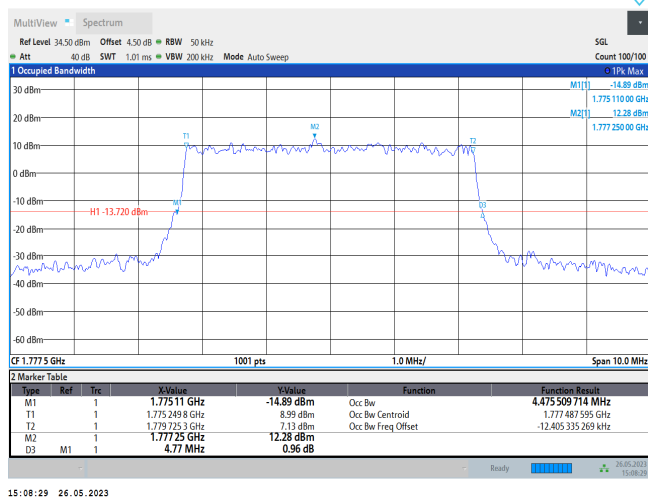
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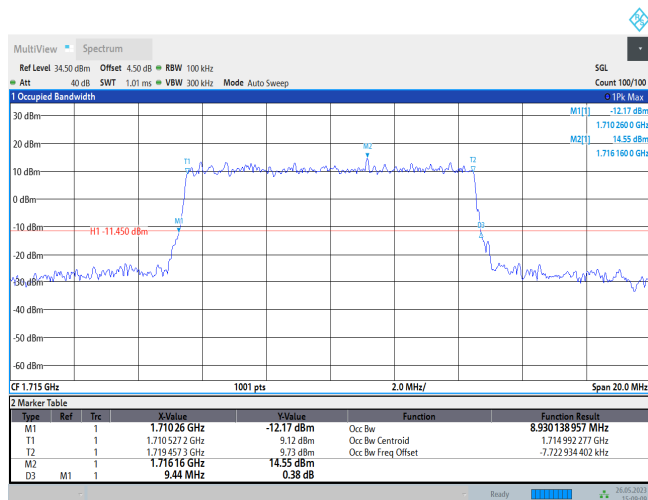
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Band66-10MHz-QPSK-132022-50RB#0



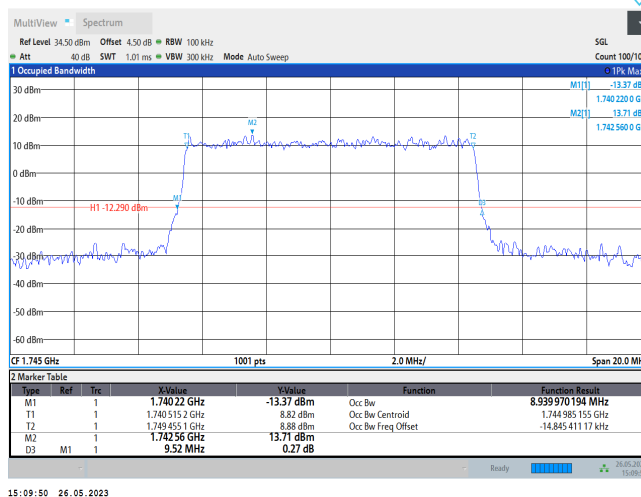
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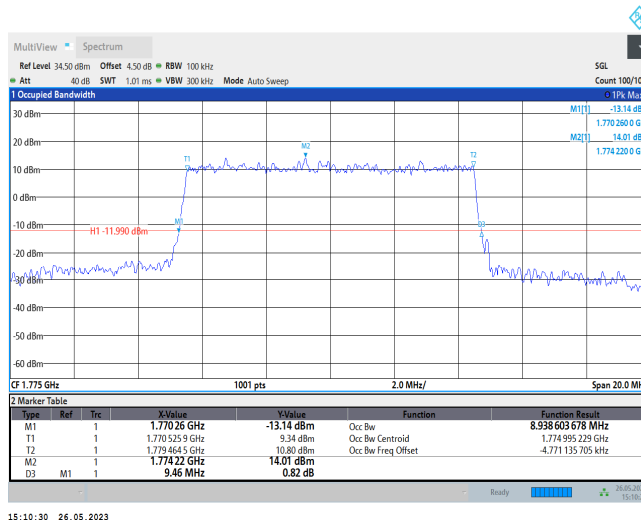
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Band66-10MHz-QPSK-132622-50RB#0



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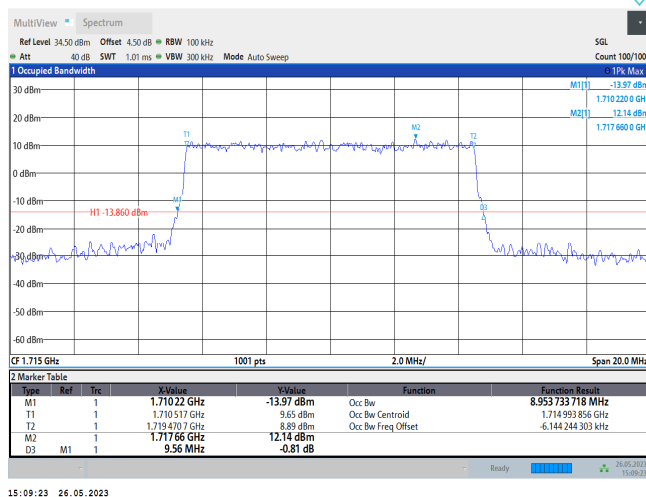
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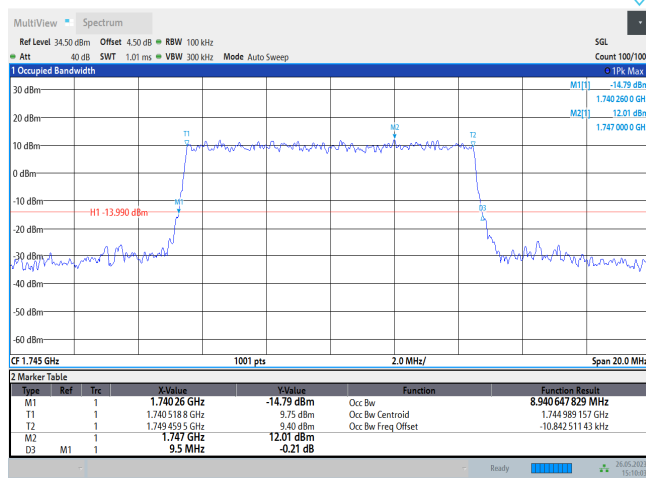
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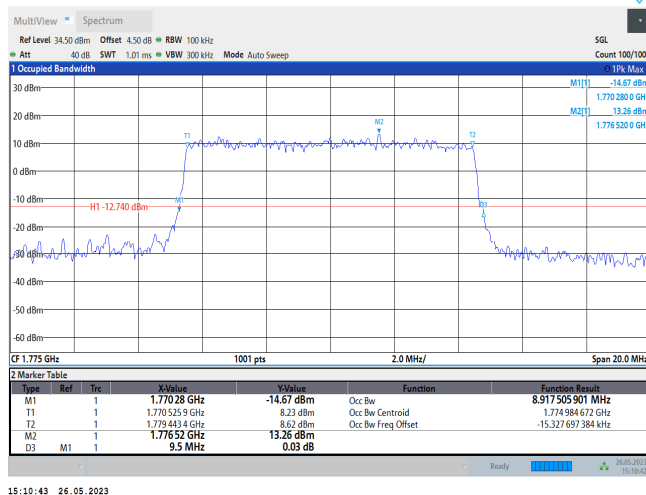
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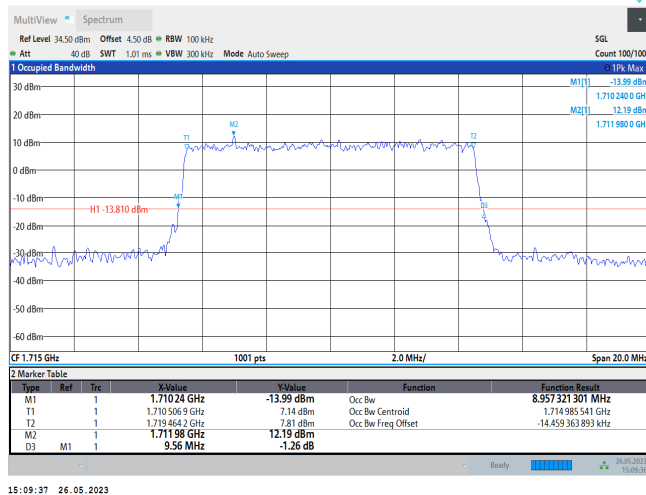
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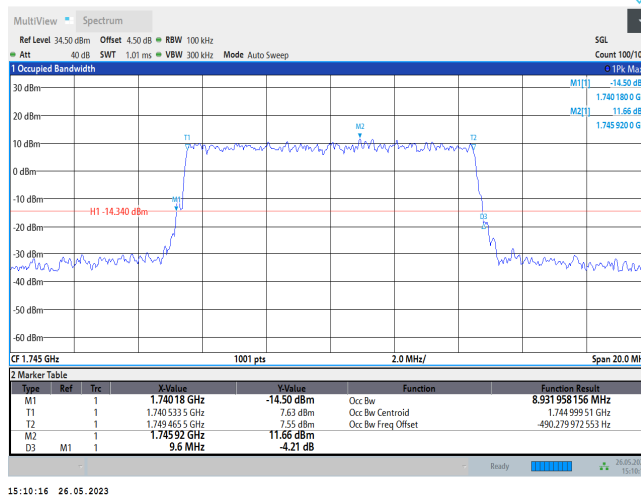
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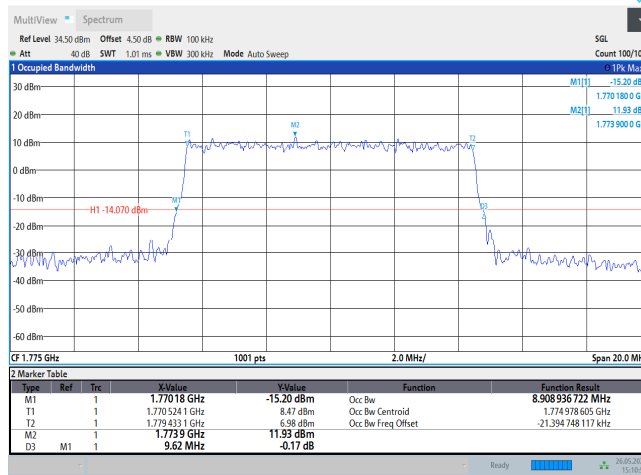
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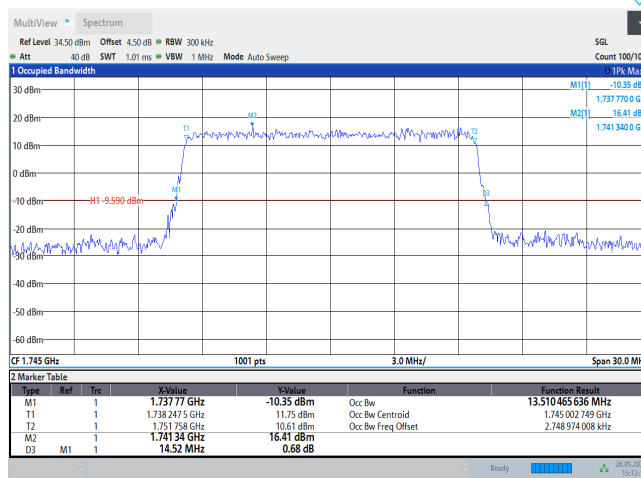
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Band66-15MHz-QPSK-132322-75RB#0



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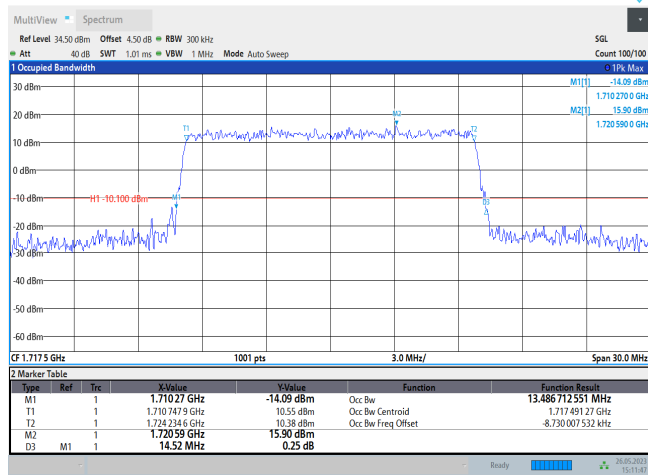
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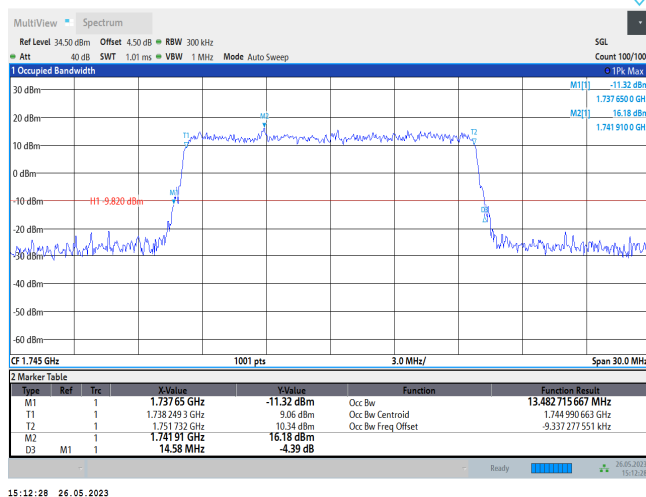
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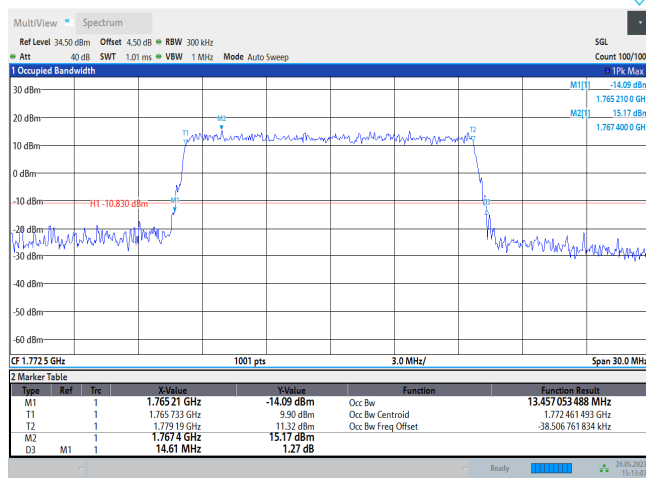
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Band66-15MHz-16QAM-132597-75RB#0



15:13:08 26.05.2023



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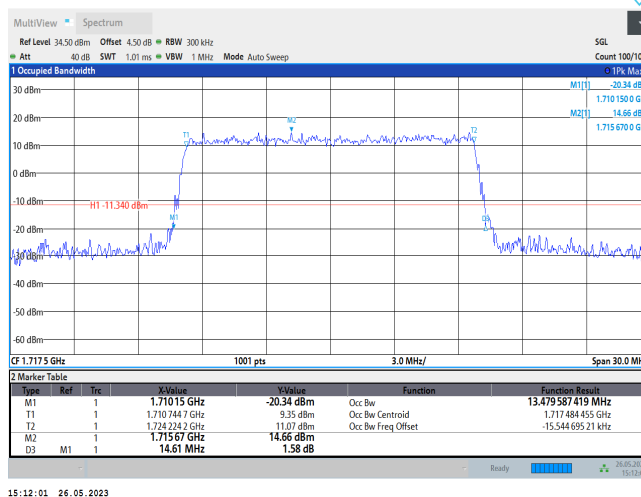
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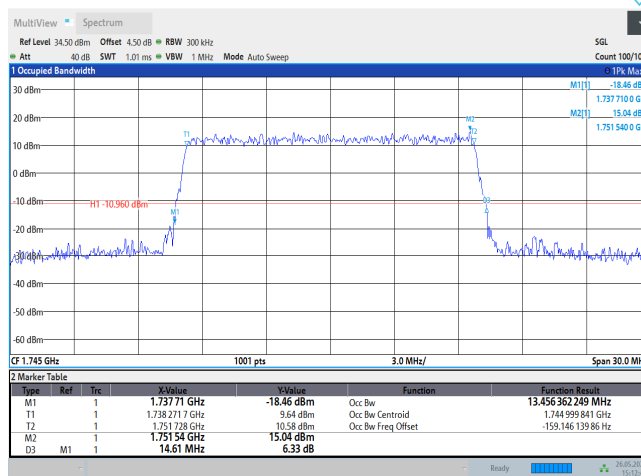
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Band66-15MHz-64QAM-132047-75RB#0



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Band66-15MHz-64QAM-132322-75RB#0



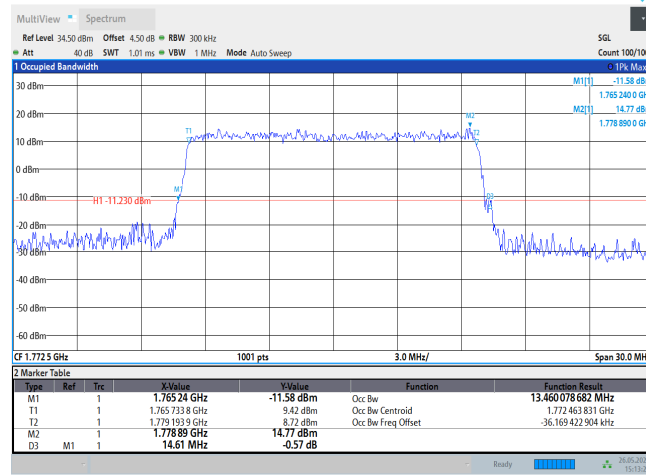
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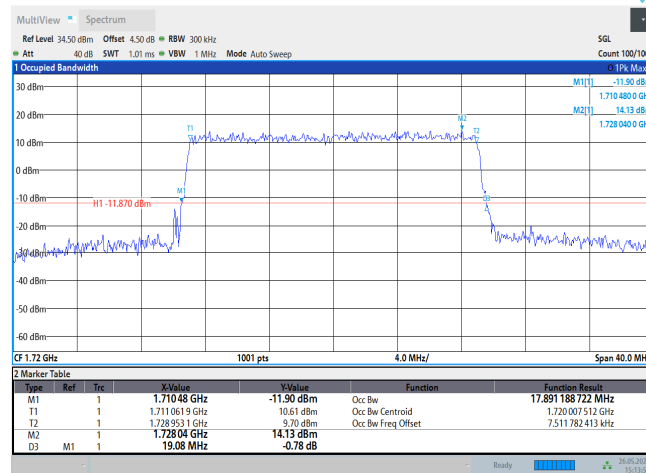
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Band66-20MHz-QPSK-132072-100RB#0



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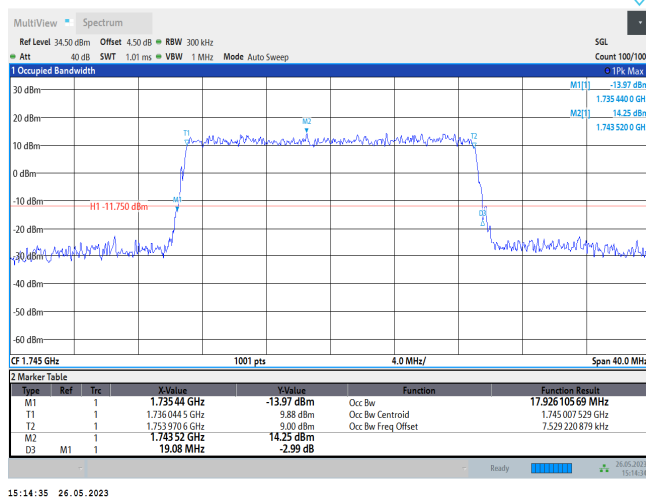
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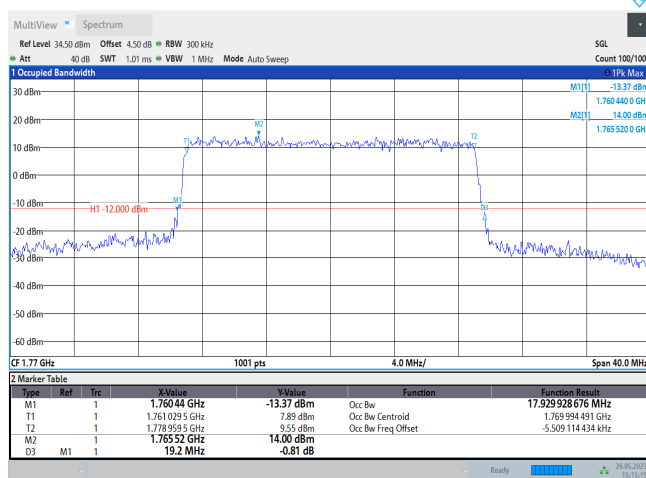
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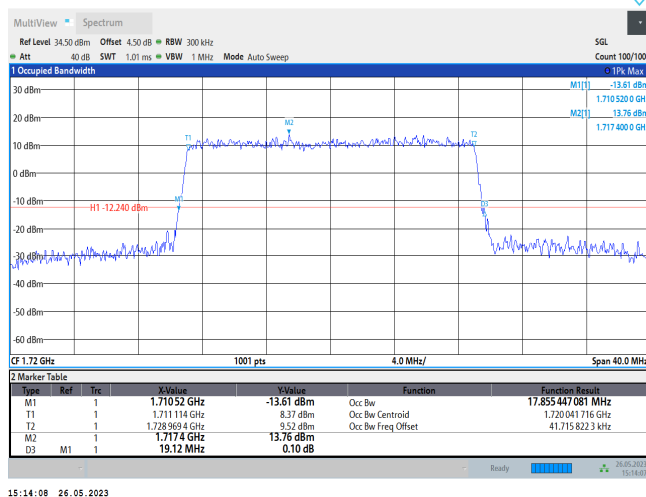
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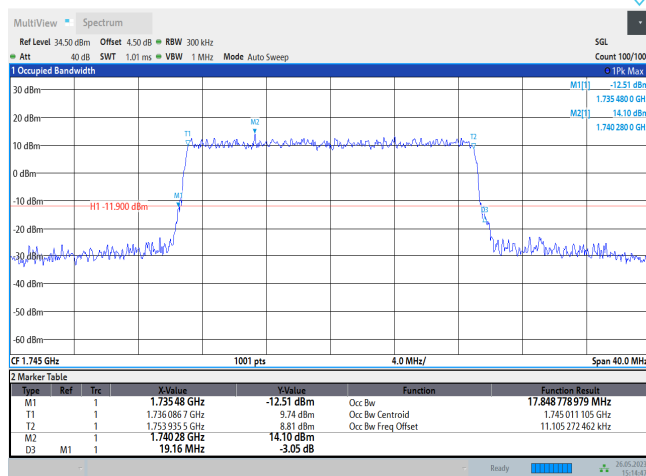
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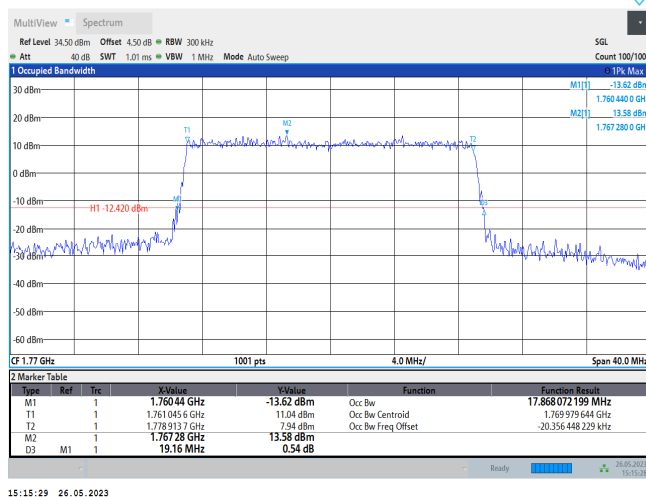
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Band66-20MHz-64QAM-132072-100RB#0



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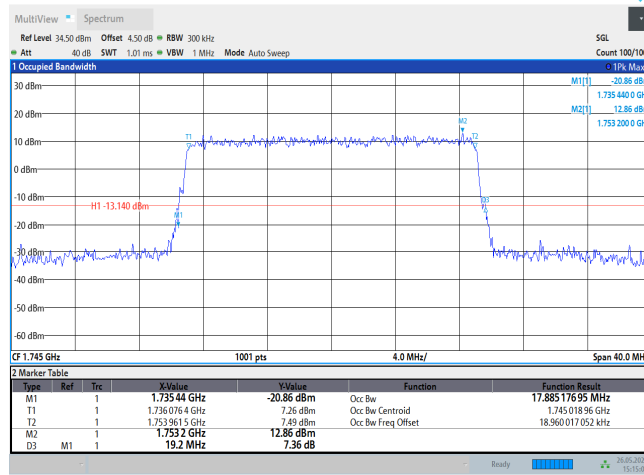
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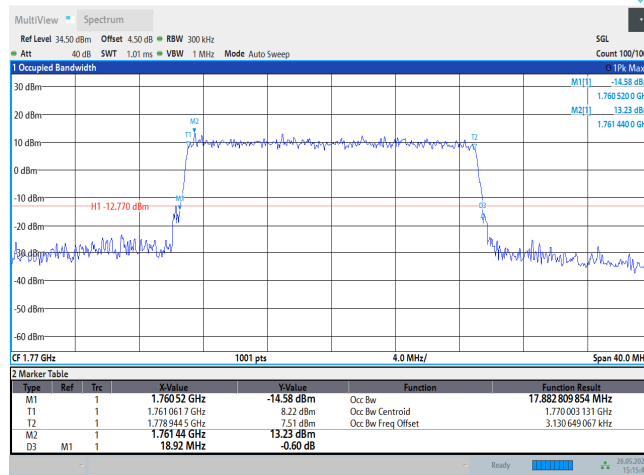
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Band66-20MHz-64QAM-132572-100RB#0



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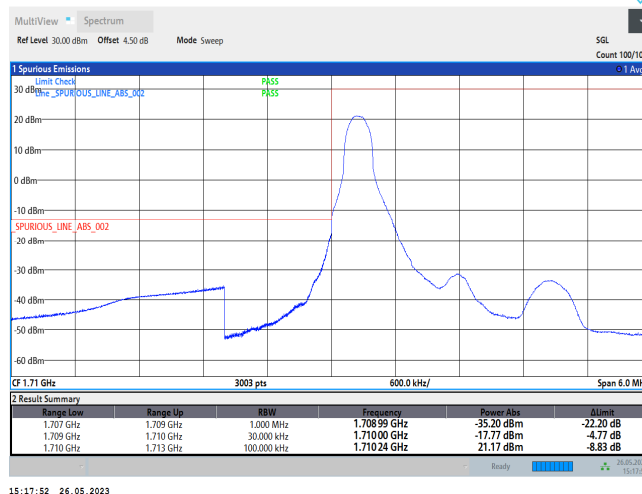
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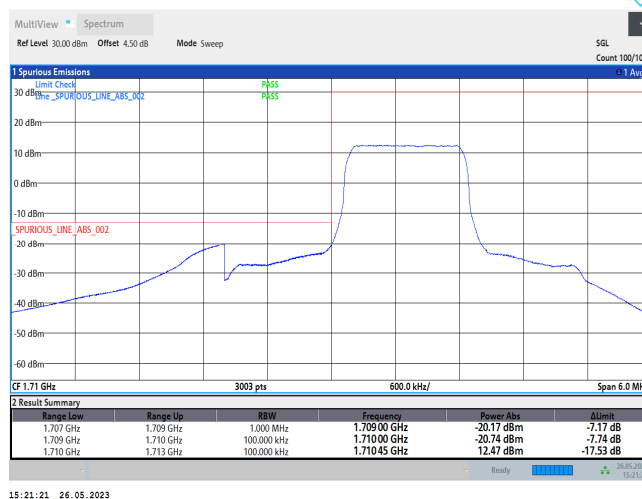
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Test Graphs

Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



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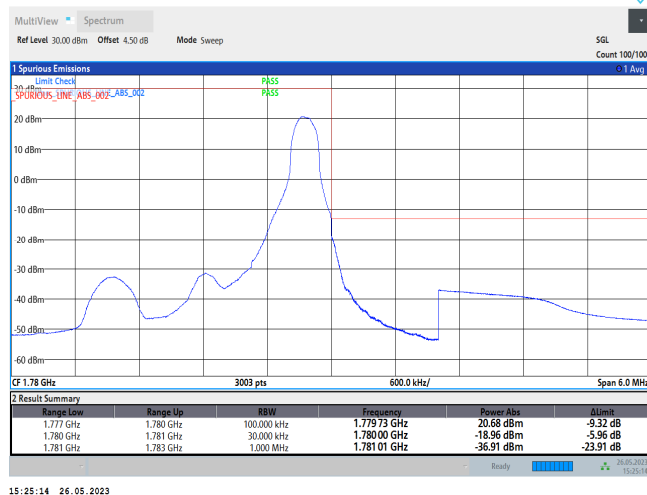
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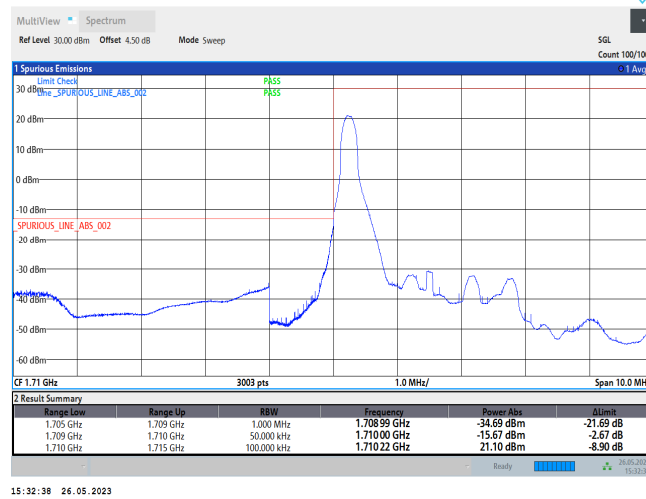
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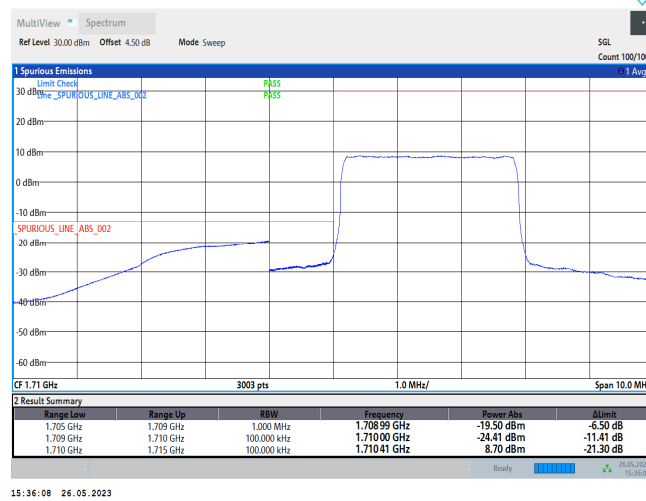
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Band66-3MHz-QPSK-131987-1RB#0



Band66-3MHz-QPSK-131987-15RB#0



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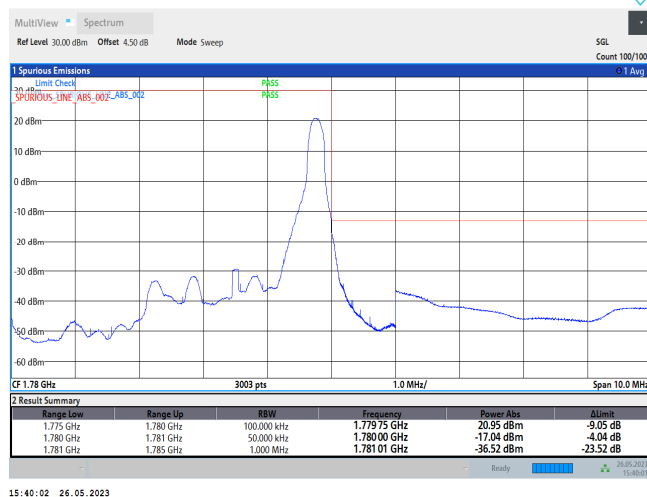
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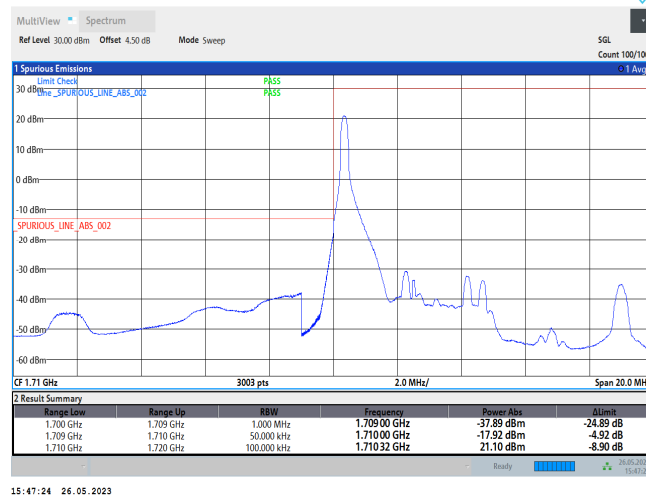
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Band66-5MHz-QPSK-131997-25RB#0



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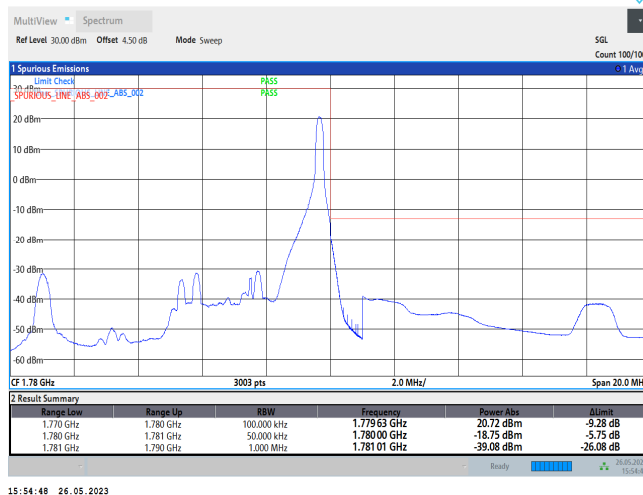
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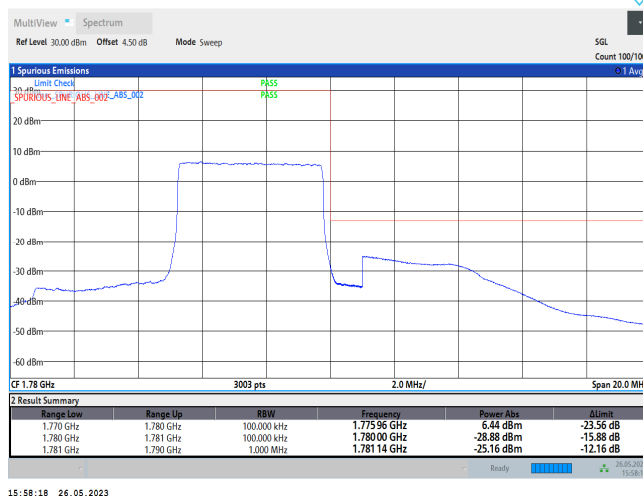
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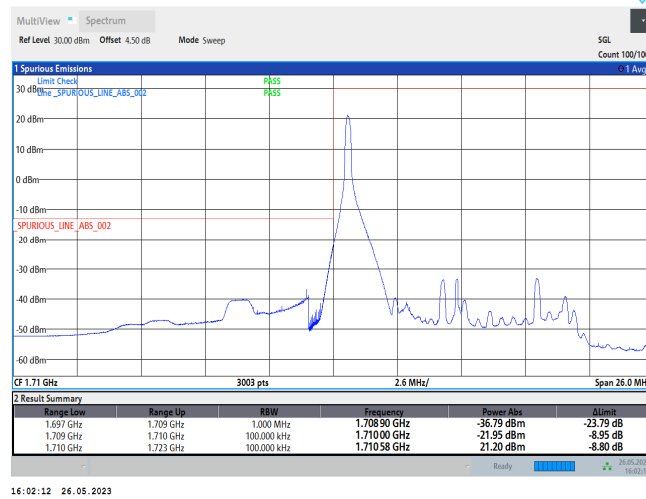
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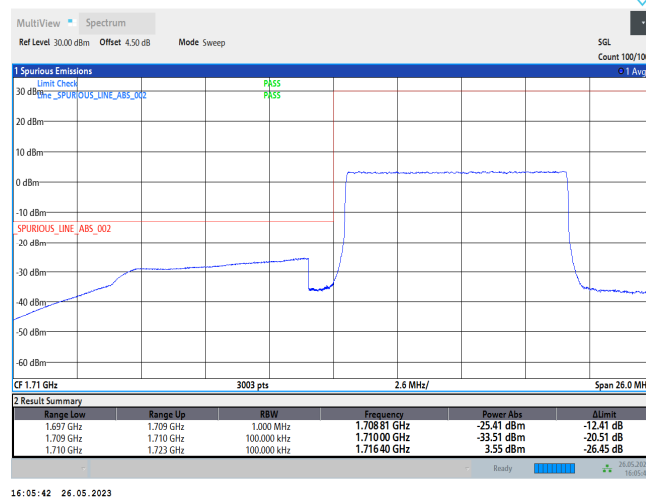
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Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0



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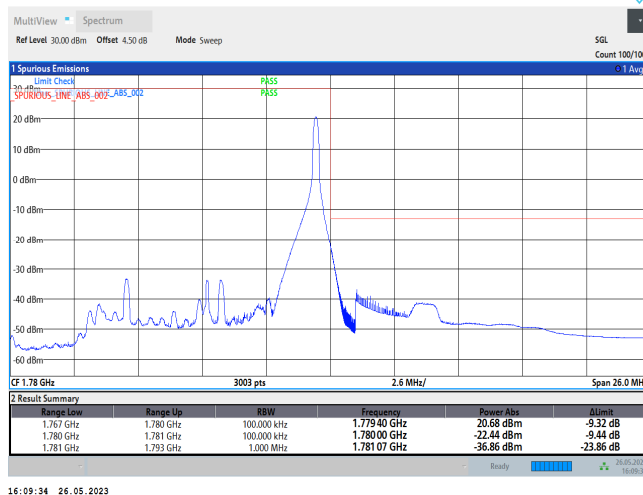
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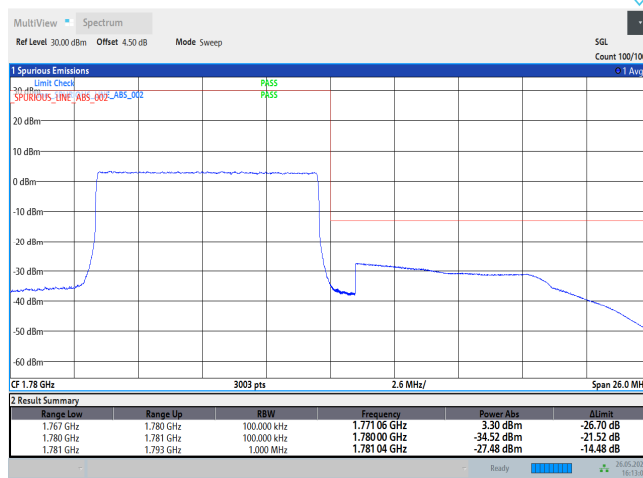
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Band66-10MHz-QPSK-132622-1RB#49



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Band66-10MHz-QPSK-132622-50RB#0



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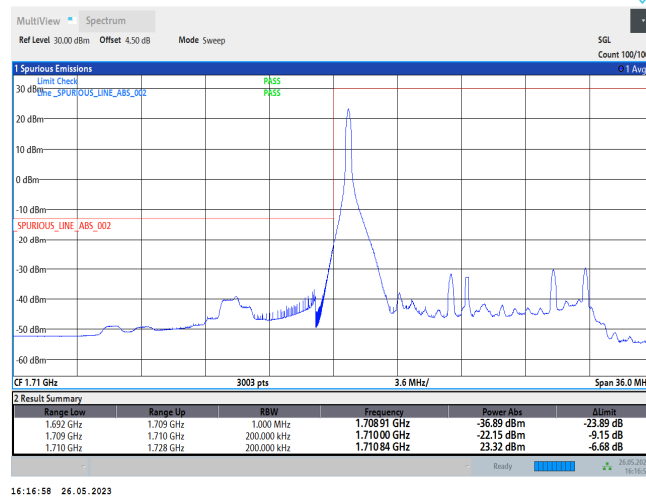
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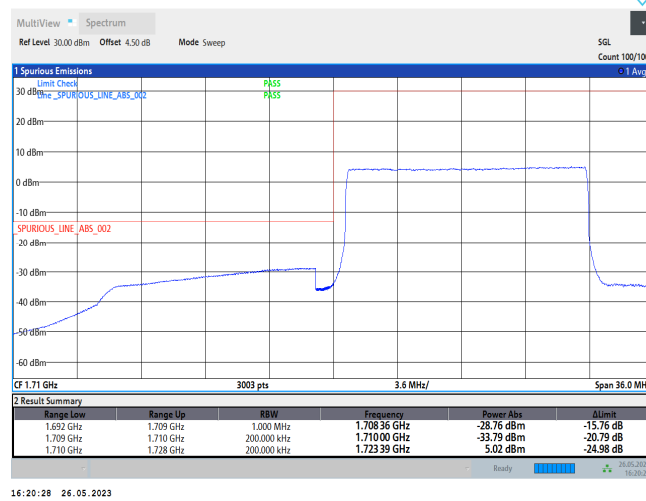
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Band66-15MHz-QPSK-132047-1RB#0



Band66-15MHz-QPSK-132047-75RB#0



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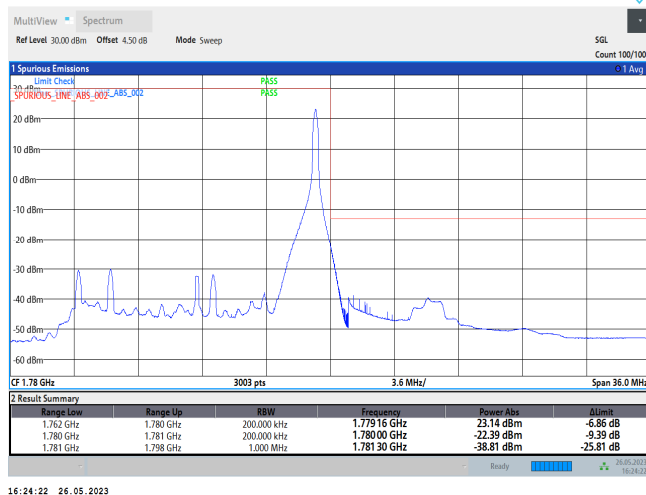
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Band66-15MHz-QPSK-132597-1RB#74



Band66-15MHz-QPSK-132597-75RB#0



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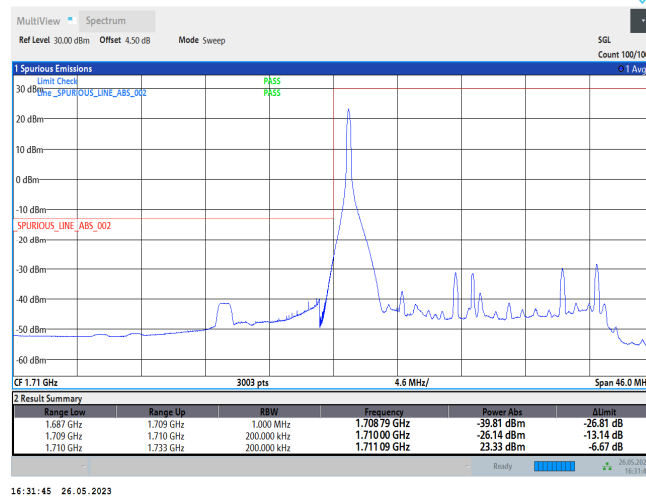
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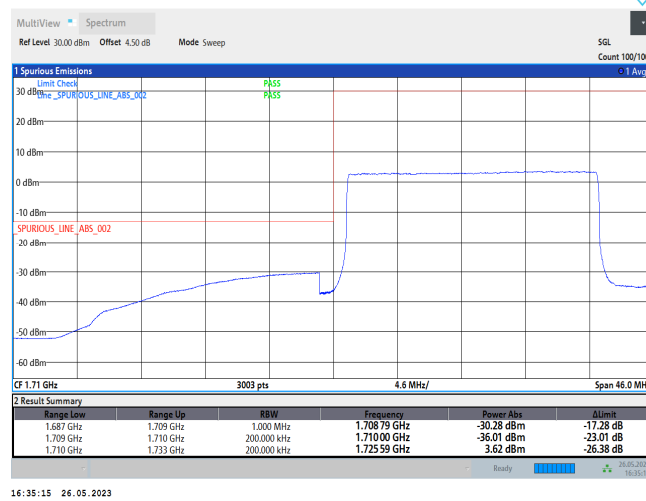
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Band66-20MHz-QPSK-132072-1RB#0



Band66-20MHz-QPSK-132072-100RB#0



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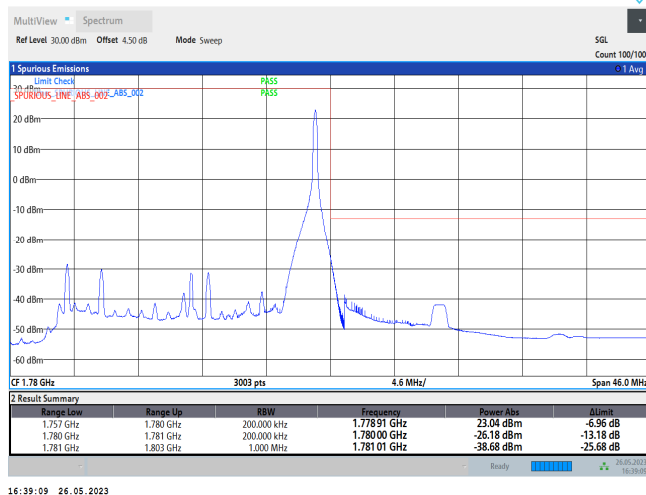
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Band66-20MHz-QPSK-132572-100RB#0



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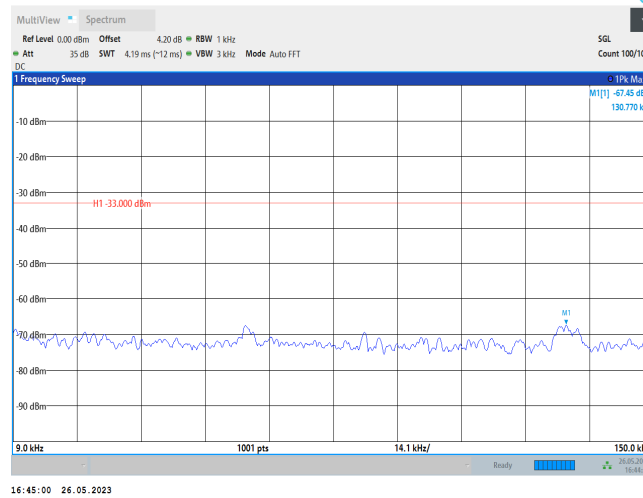
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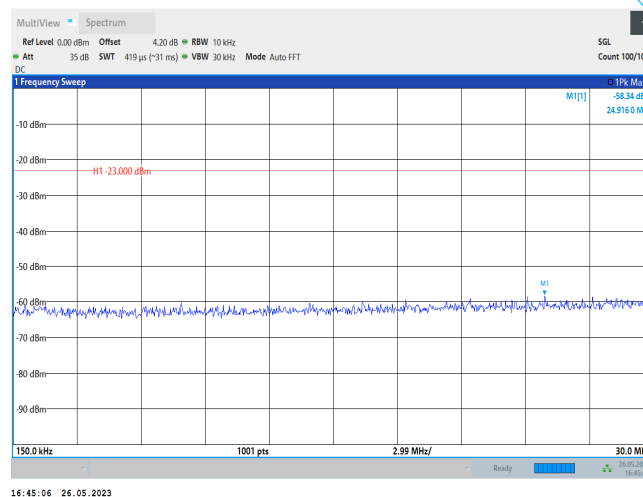
Conducted Spurious Emission

Test Graphs

Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



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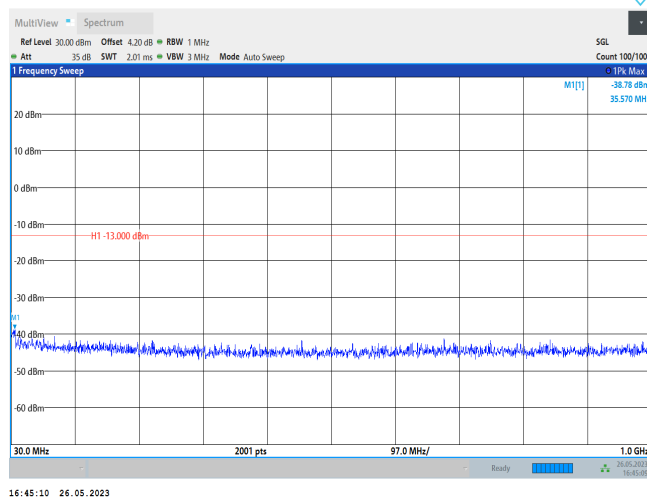
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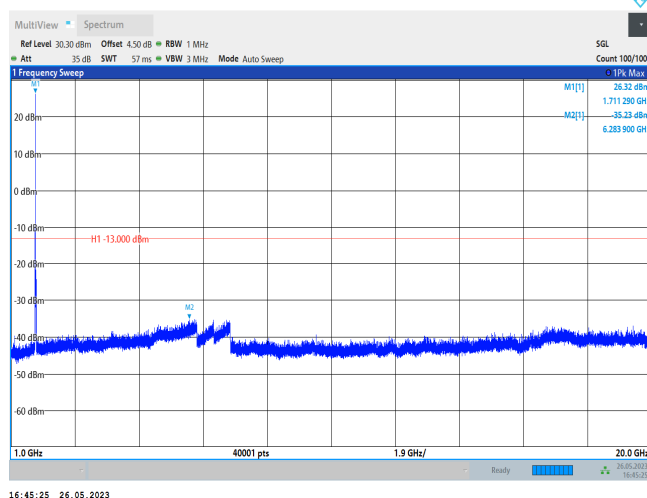
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Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~20000MHz



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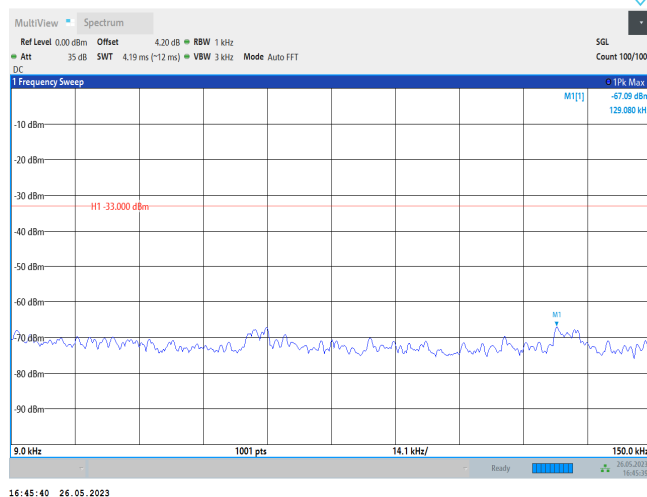
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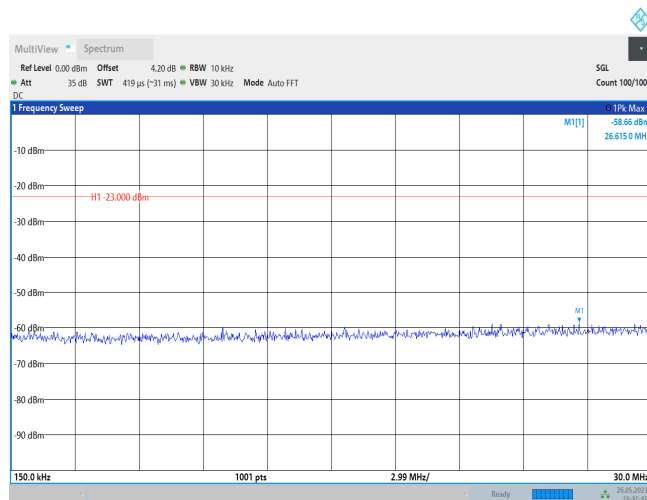
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Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



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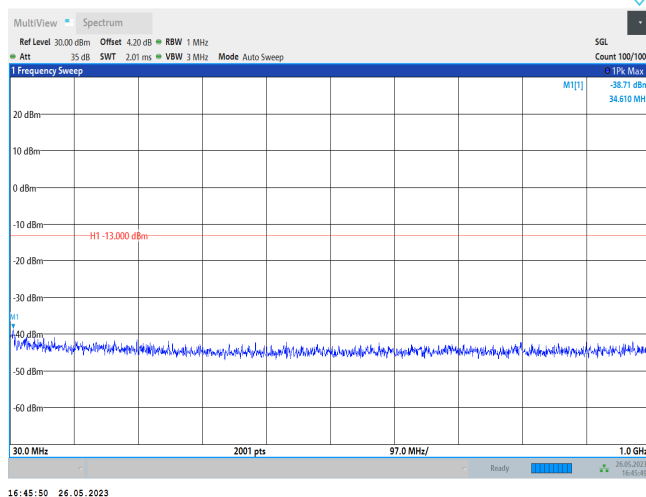
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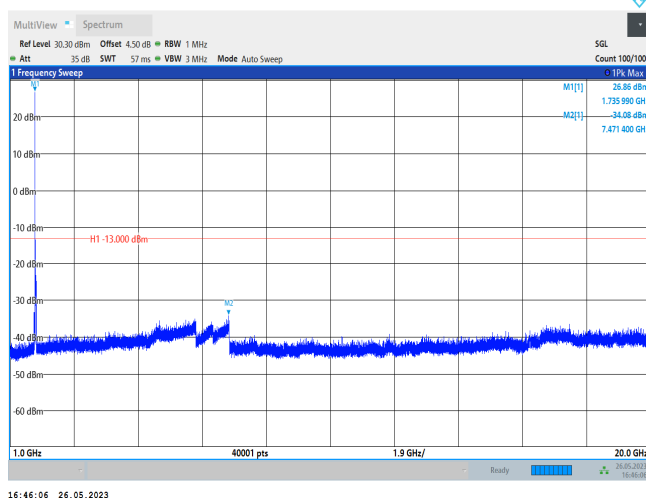
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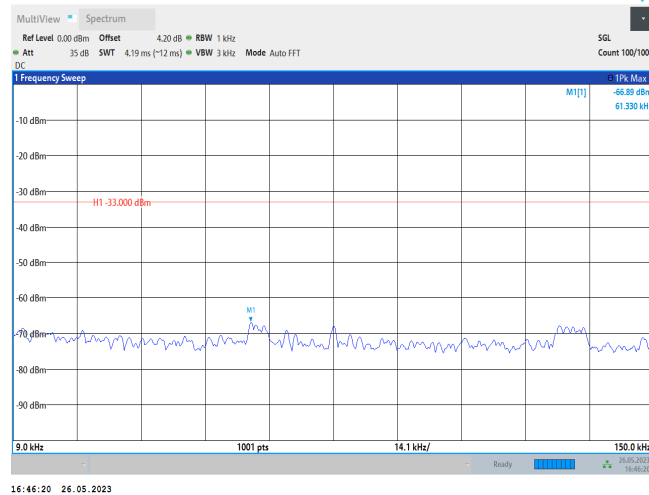
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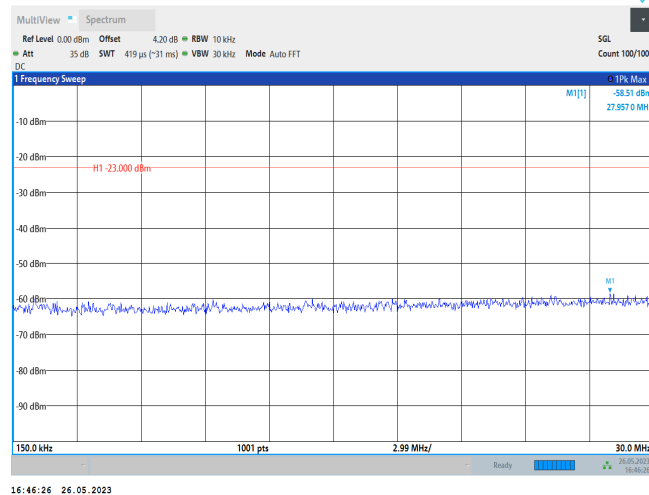
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Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



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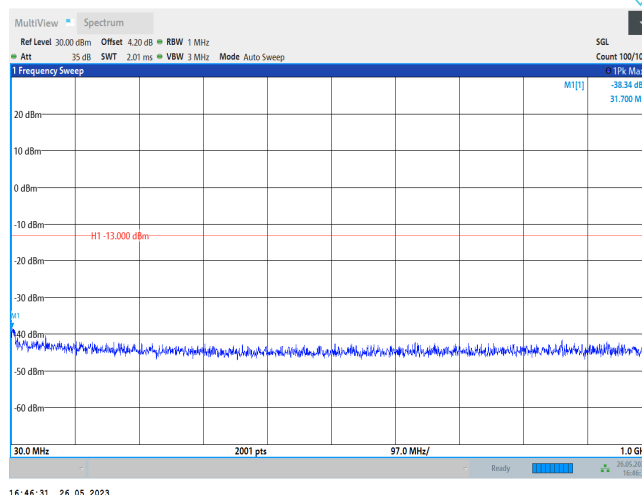
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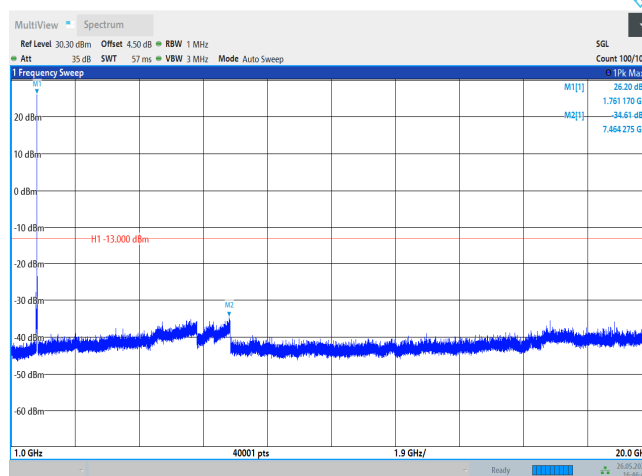
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Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



16:46:31 26.05.2023

Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~20000MHz



16:46:46 26.05.2023



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Wireless Laboratory

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Field Strength of Spurious Radiation

Test Band = LTE Band 66_ TM1_ Ant13

Test Channel = Low Channel_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	41.93	-45.92	29.44	-69.81	-13.00	56.81	184	64	Horizontal
2	5106.27	40.32	-44.28	32.60	-66.62	-13.00	53.62	219	1	Horizontal
3	6808.36	39.84	-42.55	35.82	-62.15	-13.00	49.15	266	179	Horizontal
4	8510.45	35.27	-39.54	38.06	-61.47	-13.00	48.47	135	64	Horizontal
5	10212.54	35.31	-36.59	38.73	-57.80	-13.00	44.80	284	81	Horizontal
6	11914.63	30.14	-35.10	38.68	-61.54	-13.00	48.54	175	261	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	42.16	-45.92	29.44	-69.58	-13.00	56.58	129	312	Vertical
2	5106.27	40.34	-44.28	32.60	-66.60	-13.00	53.60	243	312	Vertical
3	6808.36	39.31	-42.55	35.82	-62.68	-13.00	49.68	267	295	Vertical
4	8510.45	36.62	-39.54	38.06	-60.12	-13.00	47.12	174	0	Vertical
5	10212.54	35.51	-36.59	38.73	-57.60	-13.00	44.60	195	95	Vertical
6	11914.63	30.34	-35.10	38.68	-61.34	-13.00	48.34	201	1	Vertical



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Test Band = LTE Band 66_ TM1_ Ant13

Test Channel = Mid Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	41.90	-45.80	29.42	-69.74	-13.00	56.74	124	294	Horizontal
2	5181.27	41.24	-44.18	32.60	-65.60	-13.00	52.60	256	61	Horizontal
3	6908.36	39.23	-42.44	36.02	-62.46	-13.00	49.46	193	1	Horizontal
4	8635.45	35.81	-39.66	38.20	-60.91	-13.00	47.91	142	1	Horizontal
5	10362.54	32.59	-36.60	38.90	-60.38	-13.00	47.38	175	345	Horizontal
6	12089.63	32.60	-35.20	38.69	-59.17	-13.00	46.17	166	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	41.86	-45.80	29.42	-69.78	-13.00	56.78	254	0	Vertical
2	5181.27	41.13	-44.18	32.60	-65.71	-13.00	52.71	189	0	Vertical
3	6908.36	39.63	-42.44	36.02	-62.06	-13.00	49.06	233	0	Vertical
4	8635.45	35.80	-39.66	38.20	-60.92	-13.00	47.92	125	212	Vertical
5	10362.54	33.09	-36.60	38.90	-59.88	-13.00	46.88	247	96	Vertical
6	12089.63	32.95	-35.20	38.69	-58.82	-13.00	45.82	160	29	Vertical



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Test Band = LTE Band 66_ TM1_ Ant13**Test Channel = High Channel _20MHz**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	41.34	-45.67	29.41	-70.18	-13.00	57.18	158	178	Horizontal
2	5256.27	40.59	-44.07	32.60	-66.14	-13.00	53.14	213	357	Horizontal
3	7008.36	39.86	-42.58	36.21	-61.77	-13.00	48.77	162	147	Horizontal
4	8760.45	36.12	-39.21	38.34	-60.02	-13.00	47.02	174	278	Horizontal
5	10512.54	31.84	-36.36	39.06	-60.72	-13.00	47.72	188	295	Horizontal
6	12262.63	31.35	-35.13	38.86	-60.18	-13.00	47.18	290	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	42.20	-45.67	29.41	-69.32	-13.00	56.32	129	1	Vertical
2	5256.27	39.97	-44.07	32.60	-66.76	-13.00	53.76	268	247	Vertical
3	7008.36	39.52	-42.58	36.21	-62.11	-13.00	49.11	175	82	Vertical
4	8760.45	35.18	-39.21	38.34	-60.96	-13.00	47.96	144	247	Vertical
5	10512.54	31.47	-36.36	39.06	-61.09	-13.00	48.09	238	1	Vertical
6	12262.63	31.87	-35.13	38.86	-59.66	-13.00	46.66	195	0	Vertical



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Test Band = LTE Band 66_TM1_Ant31

Test Channel = Low Channel_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	42.60	-45.92	29.44	-69.14	-13.00	56.14	127	210	Horizontal
2	5106.27	40.35	-44.28	32.60	-66.59	-13.00	53.59	289	292	Horizontal
3	6808.36	39.07	-42.55	35.82	-62.92	-13.00	49.92	165	292	Horizontal
4	8510.45	36.72	-39.54	38.06	-60.02	-13.00	47.02	134	11	Horizontal
5	10212.54	34.82	-36.59	38.73	-58.29	-13.00	45.29	274	357	Horizontal
6	11914.63	30.75	-35.10	38.68	-60.93	-13.00	47.93	185	125	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	42.79	-45.92	29.44	-68.95	-13.00	55.95	248	210	Vertical
2	5106.27	40.72	-44.28	32.60	-66.22	-13.00	53.22	179	278	Vertical
3	6808.36	39.35	-42.55	35.82	-62.64	-13.00	49.64	263	124	Vertical
4	8510.45	36.57	-39.54	38.06	-60.17	-13.00	47.17	248	21	Vertical
5	10212.54	34.90	-36.59	38.73	-58.21	-13.00	45.21	141	38	Vertical
6	11914.63	30.38	-35.10	38.68	-61.30	-13.00	48.30	201	245	Vertical



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Test Band = LTE Band 66_TM1_Ant31

Test Channel = Mid Channel_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	42.67	-45.80	29.42	-68.97	-13.00	55.97	218	312	Horizontal
2	5181.27	41.46	-44.18	32.60	-65.38	-13.00	52.38	159	131	Horizontal
3	6908.36	39.90	-42.44	36.02	-61.79	-13.00	48.79	263	0	Horizontal
4	8635.45	35.82	-39.66	38.20	-60.90	-13.00	47.90	277	196	Horizontal
5	10362.54	33.98	-36.60	38.90	-58.99	-13.00	45.99	148	2	Horizontal
6	12089.63	32.94	-35.20	38.69	-58.83	-13.00	45.83	195	294	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	41.67	-45.80	29.42	-69.97	-13.00	56.97	211	112	Vertical
2	5181.27	41.70	-44.18	32.60	-65.14	-13.00	52.14	149	1	Vertical
3	6908.36	39.70	-42.44	36.02	-61.99	-13.00	48.99	286	312	Vertical
4	8635.45	36.63	-39.66	38.20	-60.09	-13.00	47.09	235	112	Vertical
5	10362.54	32.96	-36.60	38.90	-60.01	-13.00	47.01	190	0	Vertical
6	12089.63	33.61	-35.20	38.69	-58.16	-13.00	45.16	124	95	Vertical



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Test Band = LTE Band 66_ TM1_ Ant31

Test Channel = High Channel _20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	42.02	-45.67	29.41	-69.50	-13.00	56.50	269	46	Horizontal
2	5256.27	40.40	-44.07	32.60	-66.33	-13.00	53.33	187	80	Horizontal
3	7008.36	39.82	-42.58	36.21	-61.81	-13.00	48.81	146	1	Horizontal
4	8760.45	34.92	-39.21	38.34	-61.22	-13.00	48.22	235	80	Horizontal
5	10512.54	31.74	-36.36	39.06	-60.82	-13.00	47.82	288	243	Horizontal
6	12262.63	31.61	-35.13	38.86	-59.92	-13.00	46.92	124	294	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	41.74	-45.67	29.41	-69.78	-13.00	56.78	288	0	Vertical
2	5256.27	40.21	-44.07	32.60	-66.52	-13.00	53.52	194	313	Vertical
3	7008.36	40.21	-42.58	36.21	-61.42	-13.00	48.42	236	313	Vertical
4	8760.45	35.34	-39.21	38.34	-60.80	-13.00	47.80	287	346	Vertical
5	10512.54	32.17	-36.36	39.06	-60.39	-13.00	47.39	177	329	Vertical
6	12262.63	31.83	-35.13	38.86	-59.70	-13.00	46.70	149	77	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
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-4.50	-0.002579	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	9.00	0.005158	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.00	-0.001146	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	4.30	0.002464	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	1.50	0.000860	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-3.70	-0.002120	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-1.00	-0.000573	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-0.90	-0.000516	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	4.70	0.002693	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-2.80	-0.001605	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	2.40	0.001375	PASS

---End of Attachment---



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