

Report No.: SEWM2304000115RG04

Rev.: 01

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# Appendix B.9

## LTE Band 66



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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
Band66	1.4MHz	QPSK	131979	1RB#0	22.89	22.64	33.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.05	22.80	33.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.92	22.67	33.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.03	21.78	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.09	22.84	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.23	22.98	33.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.11	22.86	33.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.22	21.97	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.22	22.97	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.37	23.12	33.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.24	22.99	33.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.35	22.10	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.17	21.92	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.31	22.06	33.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.09	21.84	33.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.10	20.85	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.27	22.02	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.46	22.21	33.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.28	22.03	33.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.27	21.02	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.37	22.12	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.51	22.26	33.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.44	22.19	33.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.40	21.15	33.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	21.07	20.82	33.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	21.15	20.90	33.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#5	21.01	20.76	33.00	PASS



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Band66	1.4MHz	64QAM	131979	6RB#0	20.04	19.79	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	21.20	20.95	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	21.32	21.07	33.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	21.25	21.00	33.00	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.25	20.00	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	21.36	21.11	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	21.44	21.19	33.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	21.37	21.12	33.00	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	20.34	20.09	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.96	22.71	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.95	22.70	33.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.00	22.75	33.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.99	21.74	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.12	22.87	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.11	22.86	33.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.16	22.91	33.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.19	21.94	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.22	22.97	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.20	22.95	33.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.25	23.00	33.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.30	22.05	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.14	21.89	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.11	21.86	33.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.18	21.93	33.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.02	20.77	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.38	22.13	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.22	21.97	33.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.41	22.16	33.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.22	20.97	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.46	22.21	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.47	22.22	33.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.41	22.16	33.00	PASS



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Band66	3MHz	16QAM	132657	15RB#0	21.31	21.06	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#0	21.06	20.81	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#8	21.15	20.90	33.00	PASS
Band66	3MHz	64QAM	131987	1RB#14	21.15	20.90	33.00	PASS
Band66	3MHz	64QAM	131987	15RB#0	20.01	19.76	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#0	21.25	21.00	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#8	21.23	20.98	33.00	PASS
Band66	3MHz	64QAM	132322	1RB#14	21.26	21.01	33.00	PASS
Band66	3MHz	64QAM	132322	15RB#0	20.21	19.96	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#0	21.35	21.10	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#8	21.33	21.08	33.00	PASS
Band66	3MHz	64QAM	132657	1RB#14	21.37	21.12	33.00	PASS
Band66	3MHz	64QAM	132657	15RB#0	20.28	20.03	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.91	22.66	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.17	22.92	33.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.96	22.71	33.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.01	21.76	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.05	22.80	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.31	23.06	33.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.09	22.84	33.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.18	21.93	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.19	22.94	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.37	23.12	33.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.18	22.93	33.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.29	22.04	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.04	21.79	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.39	22.14	33.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.21	21.96	33.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.07	20.82	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.30	22.05	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.41	22.16	33.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.35	22.10	33.00	PASS



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Band66	5MHz	16QAM	132322	25RB#0	21.21	20.96	33.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.38	22.13	33.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.51	22.26	33.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.40	22.15	33.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.31	21.06	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#0	21.01	20.76	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#12	21.29	21.04	33.00	PASS
Band66	5MHz	64QAM	131997	1RB#24	21.08	20.83	33.00	PASS
Band66	5MHz	64QAM	131997	25RB#0	20.05	19.80	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#0	21.17	20.92	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#12	21.42	21.17	33.00	PASS
Band66	5MHz	64QAM	132322	1RB#24	21.26	21.01	33.00	PASS
Band66	5MHz	64QAM	132322	25RB#0	20.23	19.98	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#0	21.34	21.09	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#12	21.49	21.24	33.00	PASS
Band66	5MHz	64QAM	132647	1RB#24	21.27	21.02	33.00	PASS
Band66	5MHz	64QAM	132647	25RB#0	20.32	20.07	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.91	22.66	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.05	22.80	33.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.05	22.80	33.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.06	21.81	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.06	22.81	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.19	22.94	33.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.15	22.90	33.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.17	21.92	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.18	22.93	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.27	23.02	33.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.24	22.99	33.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.26	22.01	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.08	21.83	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.26	22.01	33.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.34	22.09	33.00	PASS



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Band66	10MHz	16QAM	132022	50RB#0	21.09	20.84	33.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.18	21.93	33.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.37	22.12	33.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.34	22.09	33.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.18	20.93	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.43	22.18	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.55	22.30	33.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.49	22.24	33.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.28	21.03	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#0	21.14	20.89	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#24	21.17	20.92	33.00	PASS
Band66	10MHz	64QAM	132022	1RB#49	21.23	20.98	33.00	PASS
Band66	10MHz	64QAM	132022	50RB#0	20.06	19.81	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#0	21.16	20.91	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#24	21.34	21.09	33.00	PASS
Band66	10MHz	64QAM	132322	1RB#49	21.28	21.03	33.00	PASS
Band66	10MHz	64QAM	132322	50RB#0	20.19	19.94	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#0	21.36	21.11	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#24	21.44	21.19	33.00	PASS
Band66	10MHz	64QAM	132622	1RB#49	21.37	21.12	33.00	PASS
Band66	10MHz	64QAM	132622	50RB#0	20.30	20.05	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.88	22.63	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.03	22.78	33.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.11	22.86	33.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.07	21.82	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.04	22.79	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.12	22.87	33.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.14	22.89	33.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.18	21.93	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.14	22.89	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.24	22.99	33.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.26	23.01	33.00	PASS



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Band66	15MHz	QPSK	132597	75RB#0	22.29	22.04	33.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.14	21.89	33.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.22	21.97	33.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.28	22.03	33.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.09	20.84	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.24	21.99	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.37	22.12	33.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.30	22.05	33.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.18	20.93	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.40	22.15	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.45	22.20	33.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.50	22.25	33.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.28	21.03	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#0	21.07	20.82	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#38	21.19	20.94	33.00	PASS
Band66	15MHz	64QAM	132047	1RB#74	21.35	21.10	33.00	PASS
Band66	15MHz	64QAM	132047	75RB#0	20.09	19.84	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#0	21.19	20.94	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#38	21.23	20.98	33.00	PASS
Band66	15MHz	64QAM	132322	1RB#74	21.34	21.09	33.00	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.18	19.93	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#0	21.31	21.06	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#38	21.44	21.19	33.00	PASS
Band66	15MHz	64QAM	132597	1RB#74	21.35	21.10	33.00	PASS
Band66	15MHz	64QAM	132597	75RB#0	20.29	20.04	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.80	22.55	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.12	22.87	33.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.11	22.86	33.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.05	21.80	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.97	22.72	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.19	22.94	33.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.11	22.86	33.00	PASS



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Band66	20MHz	QPSK	132322	100RB#0	22.12	21.87	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.03	22.78	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.27	23.02	33.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.21	22.96	33.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.24	21.99	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.00	21.75	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.34	22.09	33.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.36	22.11	33.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.07	20.82	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.18	21.93	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.41	22.16	33.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.33	22.08	33.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.13	20.88	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.27	22.02	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.57	22.32	33.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.41	22.16	33.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.23	20.98	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#0	20.93	20.68	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#49	21.26	21.01	33.00	PASS
Band66	20MHz	64QAM	132072	1RB#99	21.21	20.96	33.00	PASS
Band66	20MHz	64QAM	132072	100RB#0	20.10	19.85	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.13	20.88	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#49	21.31	21.06	33.00	PASS
Band66	20MHz	64QAM	132322	1RB#99	21.27	21.02	33.00	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.16	19.91	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#0	21.18	20.93	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#49	21.43	21.18	33.00	PASS
Band66	20MHz	64QAM	132572	1RB#99	21.33	21.08	33.00	PASS
Band66	20MHz	64QAM	132572	100RB#0	20.27	20.02	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	5.04	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.90	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.00	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.86	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.78	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.78	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.10	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.08	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.12	13	PASS



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Test Graphs

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



15:35:49 01.05.2023

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



15:36:39 01.05.2023

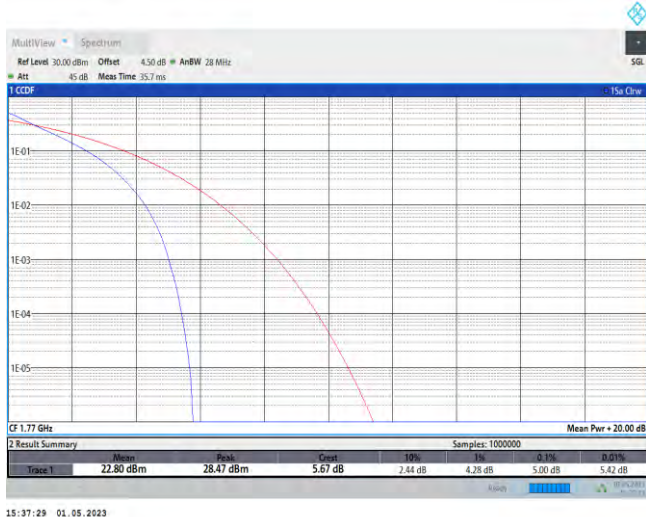


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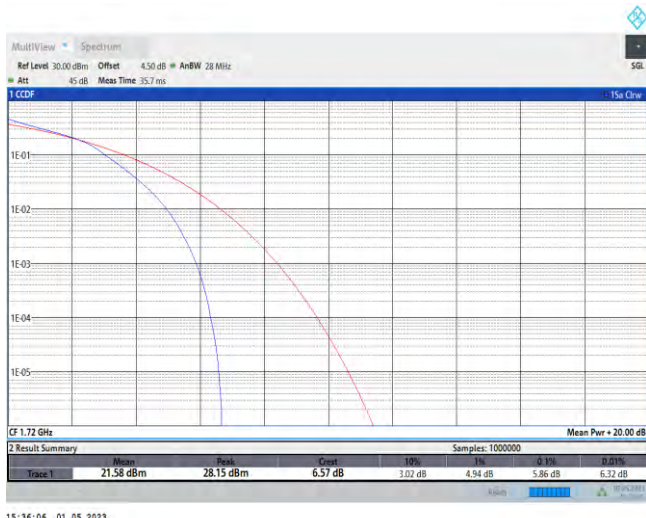
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Band66-20MHz-QPSK-132572-100RB#0



15:37:29 01.05.2023

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



15:36:06 01.05.2023



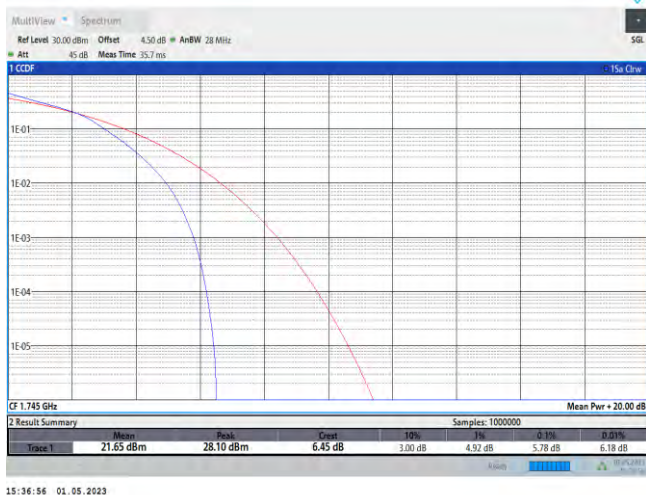
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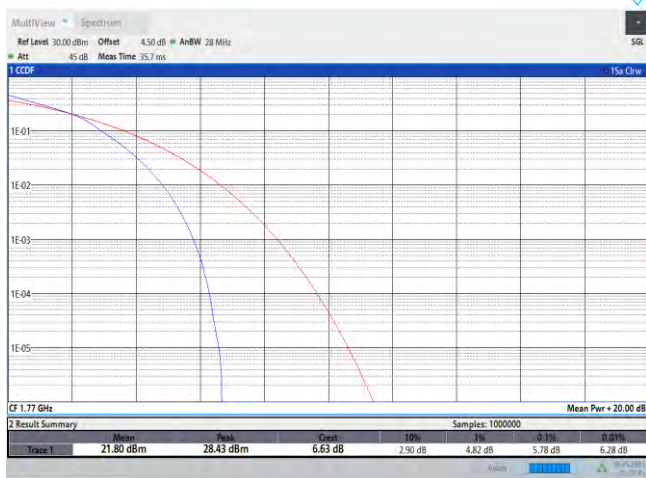


Band66-20MHz-16QAM-132322-100RB#0



15:36:56 01.05.2023

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



15:37:46 01.05.2023

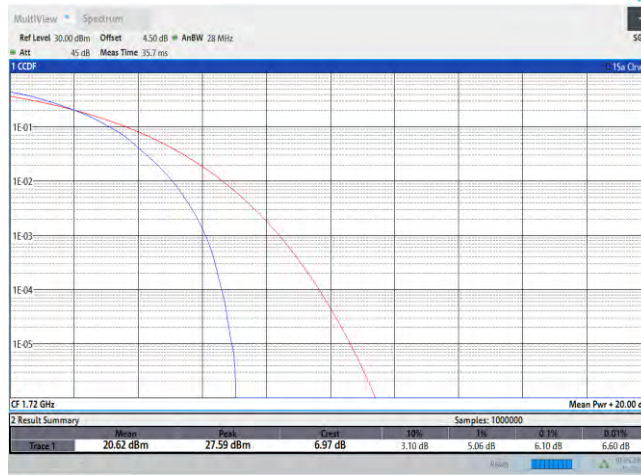


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Band66-20MHz-64QAM-132072-100RB#0



15:36:23 01.05.2023

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



15:37:13 01.05.2023



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



15:38:03 01.05.2023



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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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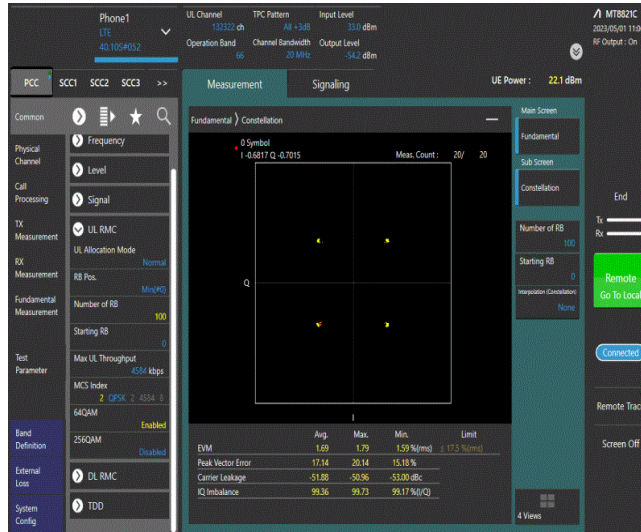
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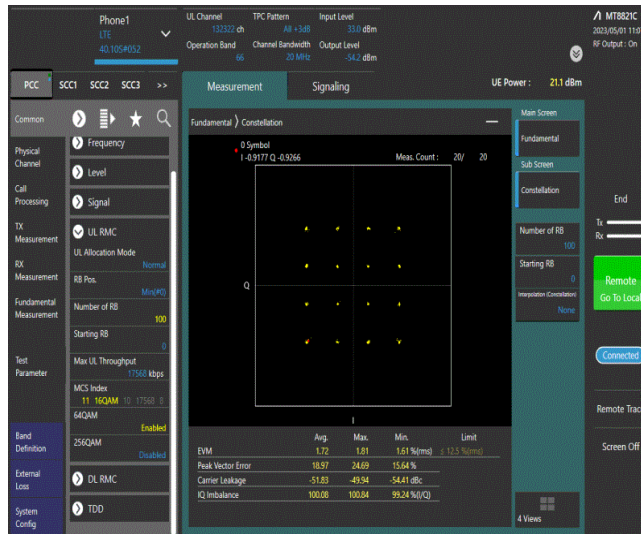


Test Graphs

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



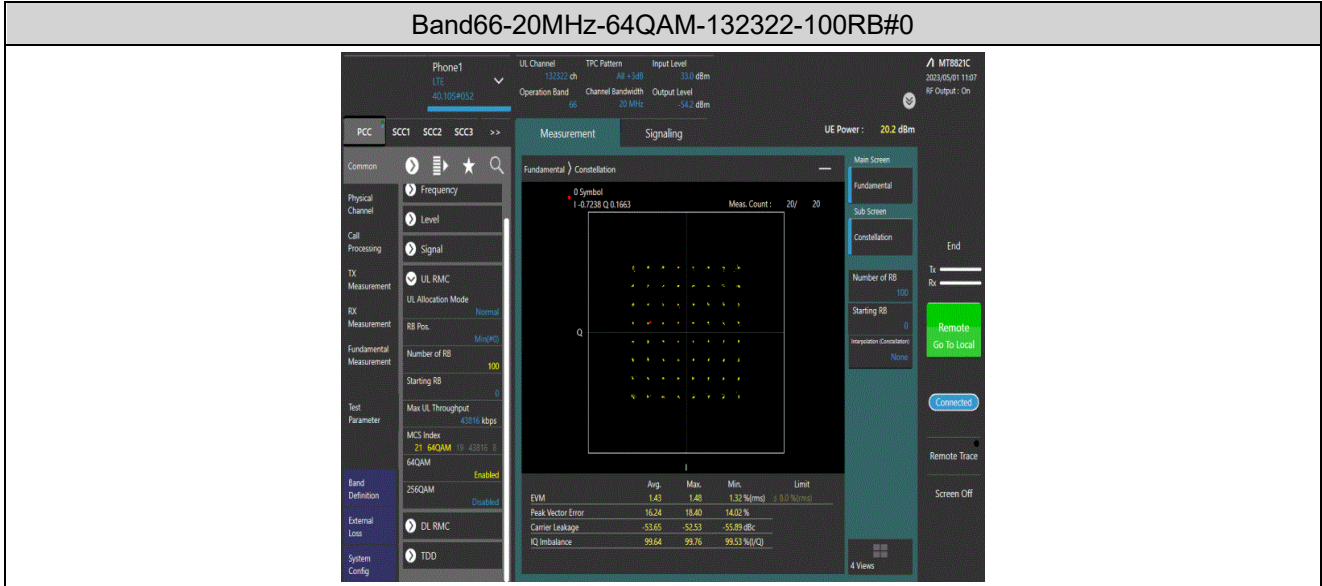
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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.081	1.27	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.083	1.24	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.078	1.25	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.099	1.29	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.095	1.27	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.101	1.30	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.095	1.26	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.083	1.24	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.083	1.24	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.688	2.87	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.692	2.90	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.688	2.91	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.688	2.88	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.675	2.89	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.690	2.90	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.680	2.88	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.690	2.90	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.681	2.88	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.477	4.91	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.477	4.91	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.475	4.94	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.460	4.96	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.469	5.02	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.475	4.96	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.478	5.04	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.491	4.88	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.471	4.97	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.950	9.76	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.949	9.84	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.921	9.78	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.941	9.92	PASS



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Band66	10MHz	16QAM	132322	50RB#0	8.920	9.76	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.914	9.70	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.967	9.88	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.927	9.68	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.911	9.70	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.460	14.88	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.488	15.87	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.487	15.03	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.530	15.12	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.498	15.51	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.480	15.15	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.469	15.12	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.453	14.91	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.437	14.79	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.900	19.08	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.975	19.32	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.929	19.76	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.854	19.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.876	19.40	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.884	19.28	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.905	19.56	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.899	19.16	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.879	19.32	PASS



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Test Graphs

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



14:34:39 01.05.2023

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



14:35:23 01.05.2023



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



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



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



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



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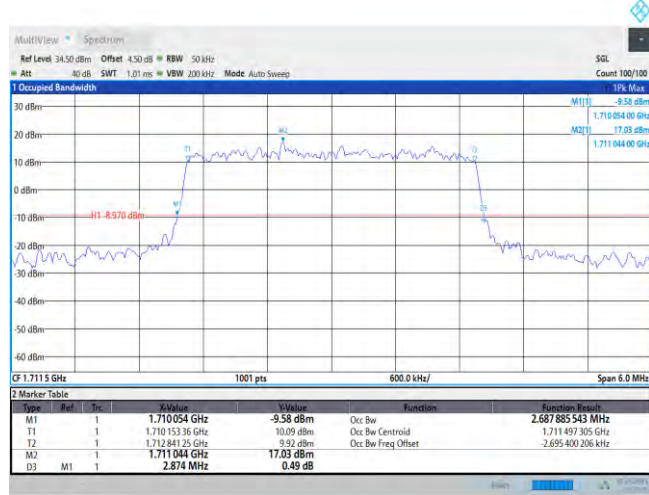


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Band66-3MHz-QPSK-131987-15RB#0



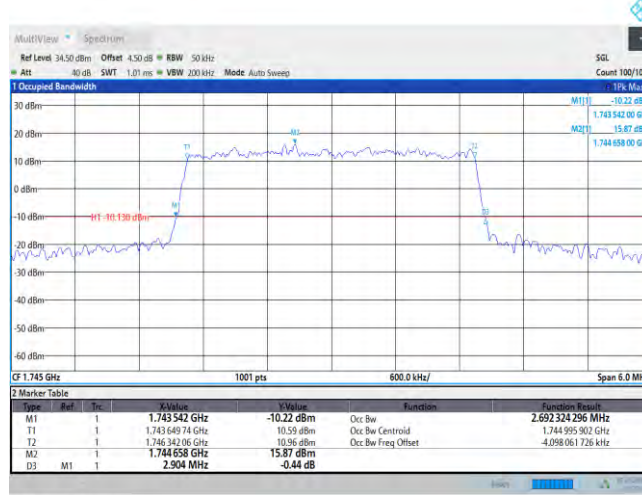
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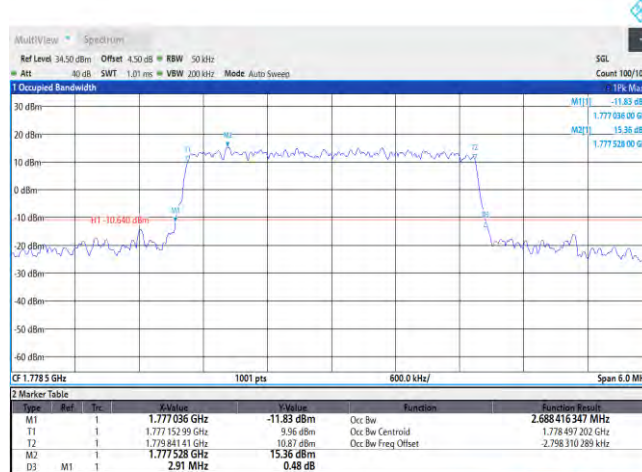
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Band66-3MHz-QPSK-132322-15RB#0



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



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



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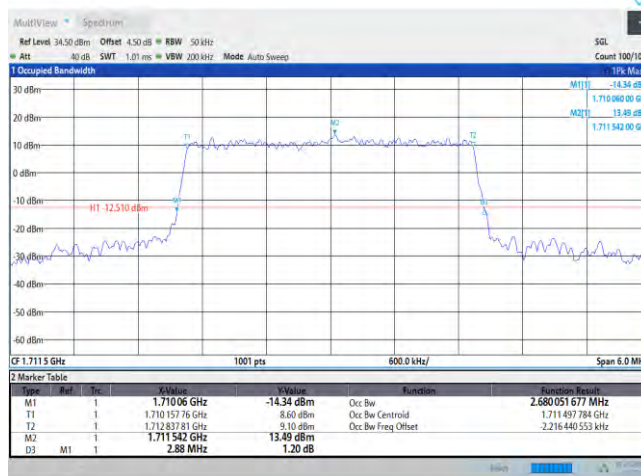


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Band66-3MHz-64QAM-131987-15RB#0



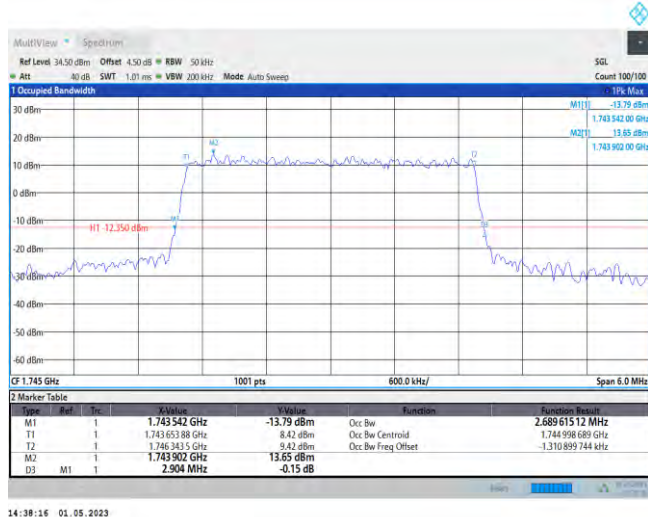
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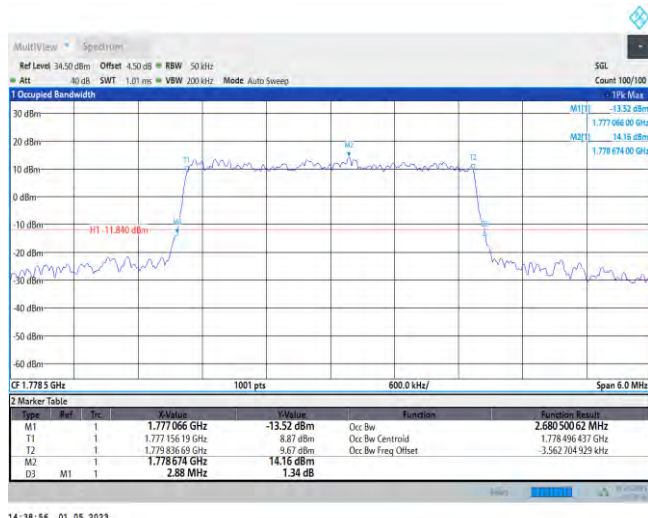
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Band66-3MHz-64QAM-132322-15RB#0



14:38:16 01.05.2023

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



14:38:56 01.05.2023



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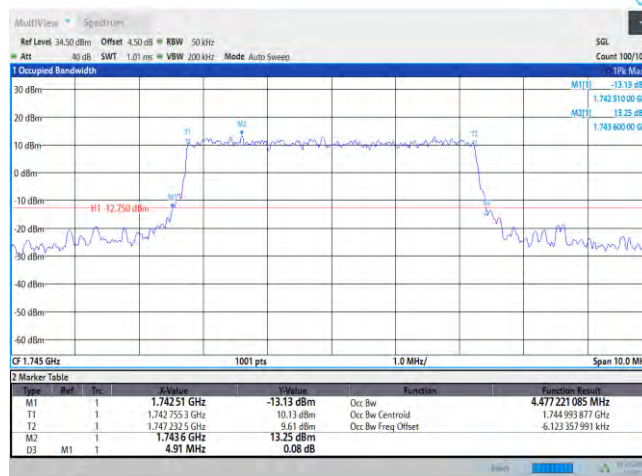
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Band66-5MHz-QPSK-131997-25RB#0



14:39:30 01.05.2023

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



14:40:11 01.05.2023



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Band66-5MHz-QPSK-132647-25RB#0



14:40:51 01.05.2023

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



14:39:44 01.05.2023



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Band66-5MHz-16QAM-132322-25RB#0



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Band66-5MHz-16QAM-132647-25RB#0



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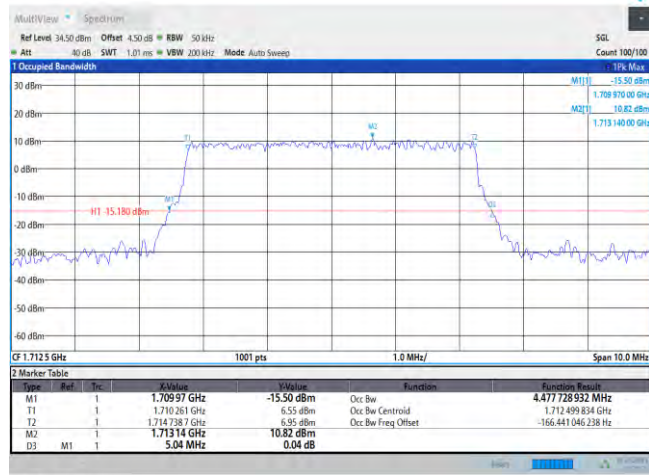


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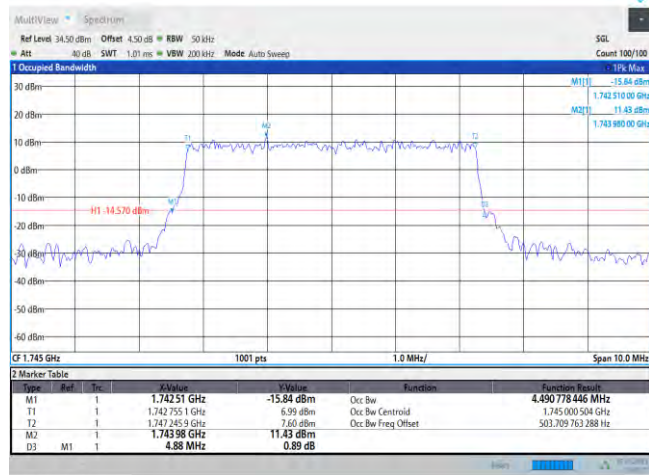
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Band66-5MHz-64QAM-131997-25RB#0



14:39:57 01.05.2023

Band66-5MHz-64QAM-132322-25RB#0



14:40:38 01.05.2023



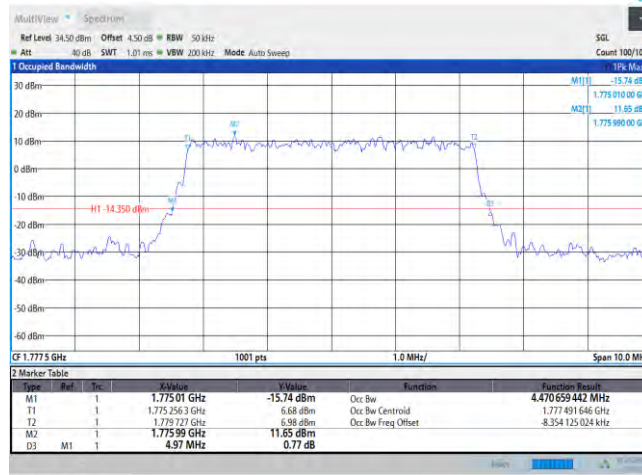
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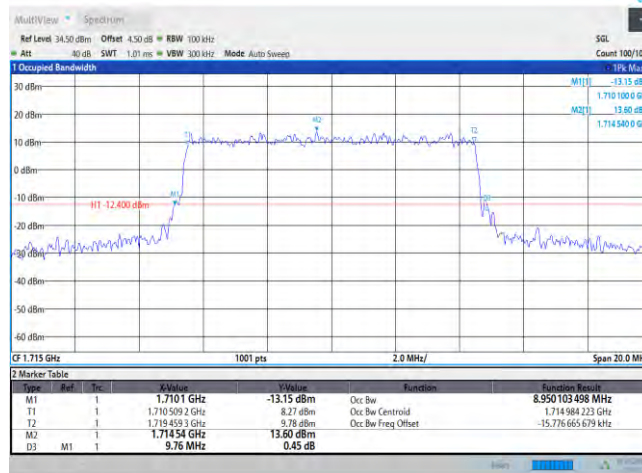


Band66-5MHz-64QAM-132647-25RB#0



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



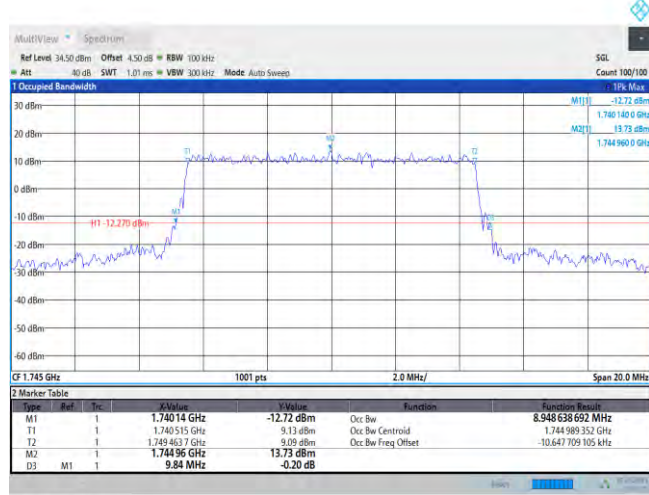
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Band66-10MHz-QPSK-132322-50RB#0



14:42:33 01.05.2023

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



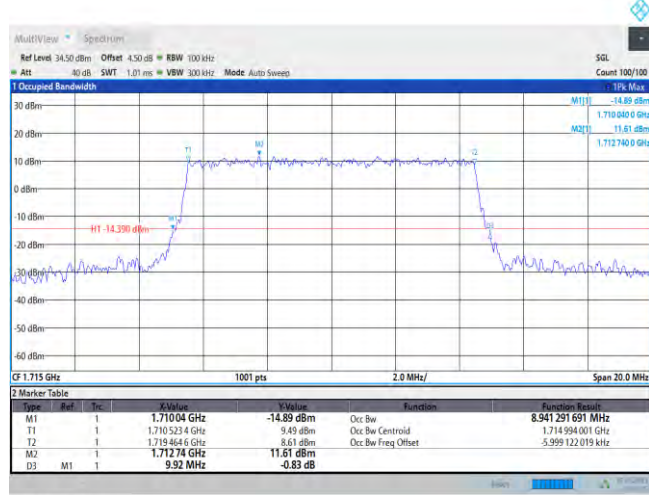
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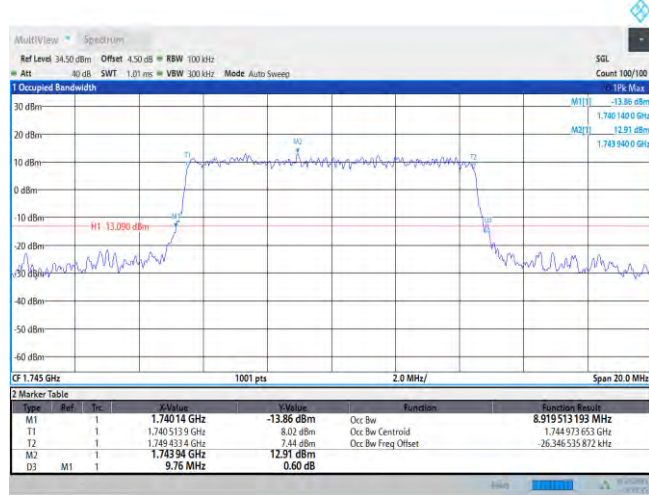
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Band66-10MHz-16QAM-132022-50RB#0



14:42:06 01.05.2023

Band66-10MHz-16QAM-132322-50RB#0



14:42:46 01.05.2023

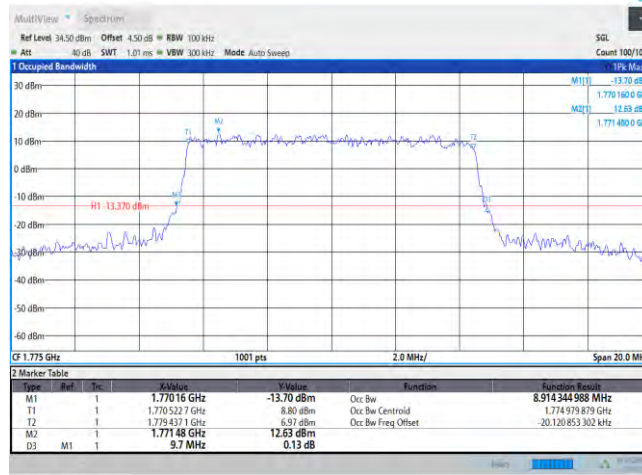


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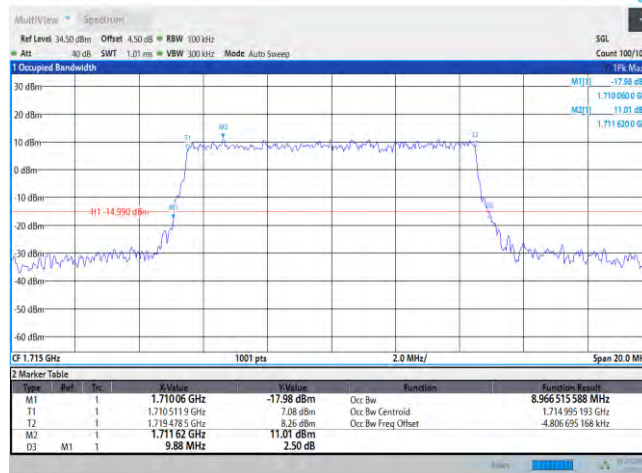


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Band66-10MHz-64QAM-132022-50RB#0



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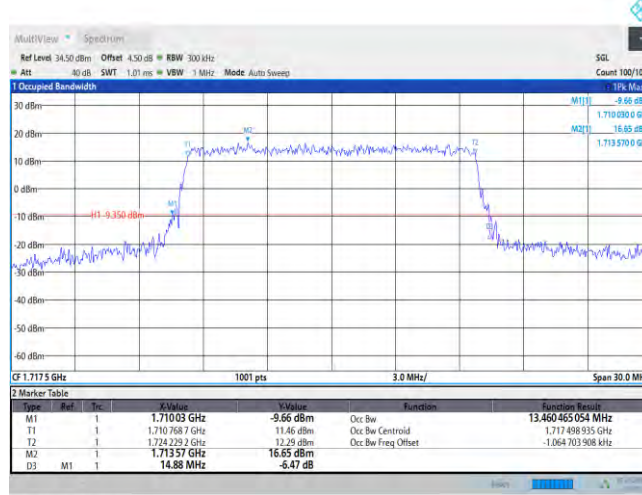


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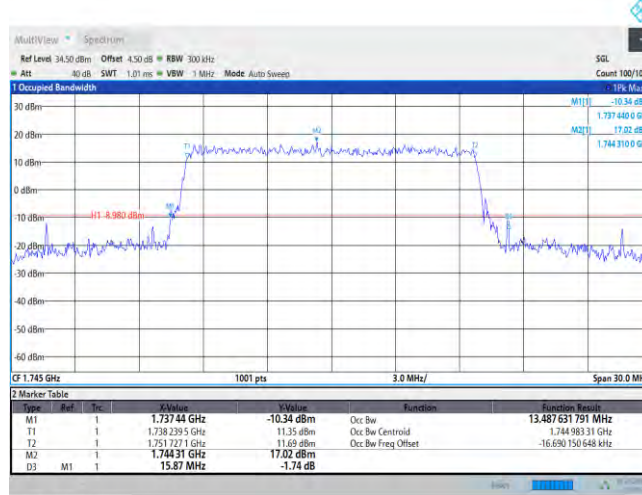
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Band66-15MHz-QPSK-132047-75RB#0



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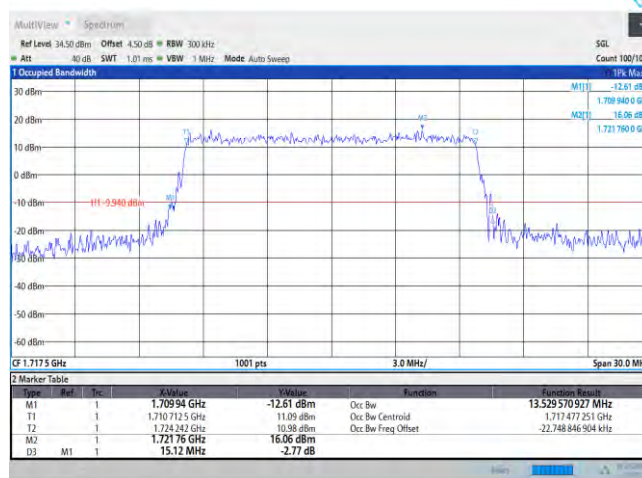


Band66-15MHz-QPSK-132597-75RB#0



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Band66-15MHz-16QAM-132047-75RB#0



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Band66-15MHz-16QAM-132322-75RB#0



14:45:08 01.05.2023

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



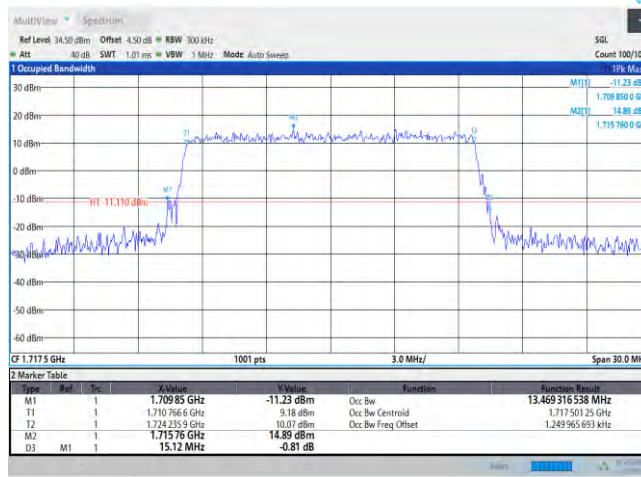
14:45:48 01.05.2023



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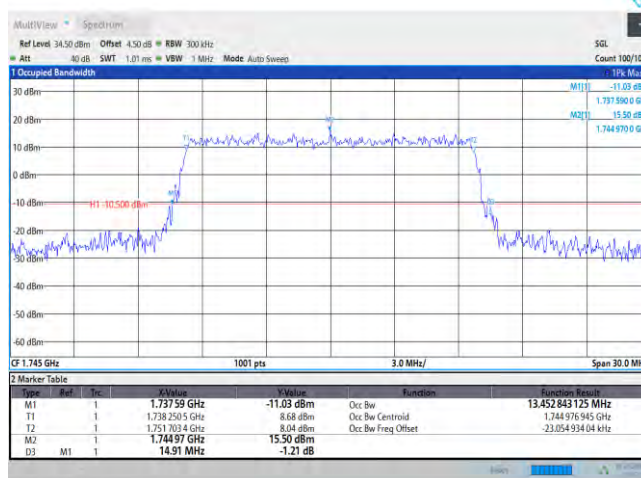
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Band66-15MHz-64QAM-132047-75RB#0



14:44:41 01.05.2023

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



14:45:21 01.05.2023

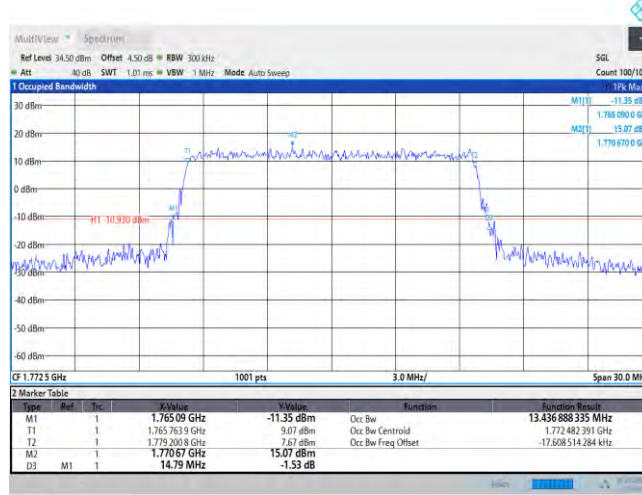


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Band66-15MHz-64QAM-132597-75RB#0



14:46:02 01.05.2023

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



14:46:36 01.05.2023



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



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



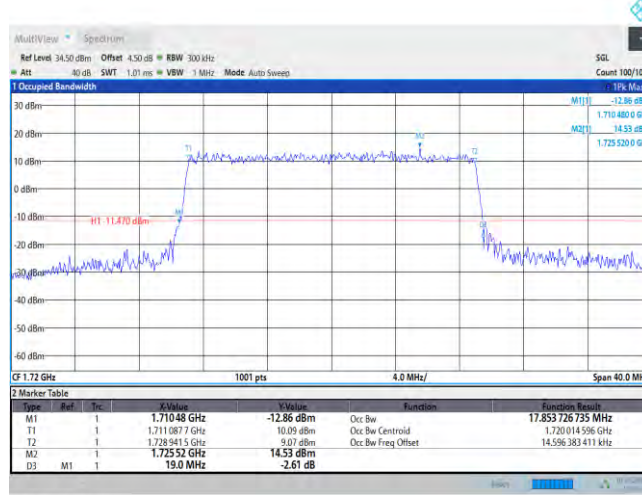
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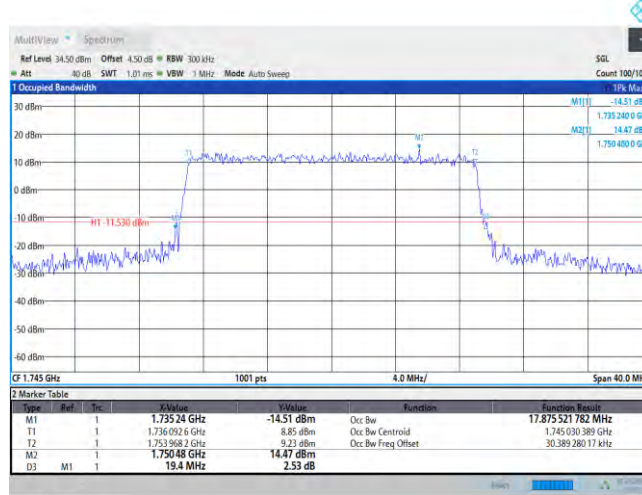
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Band66-20MHz-16QAM-132072-100RB#0



14:46:49 01.05.2023

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



14:47:30 01.05.2023



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



14:48:10 01.05.2023

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



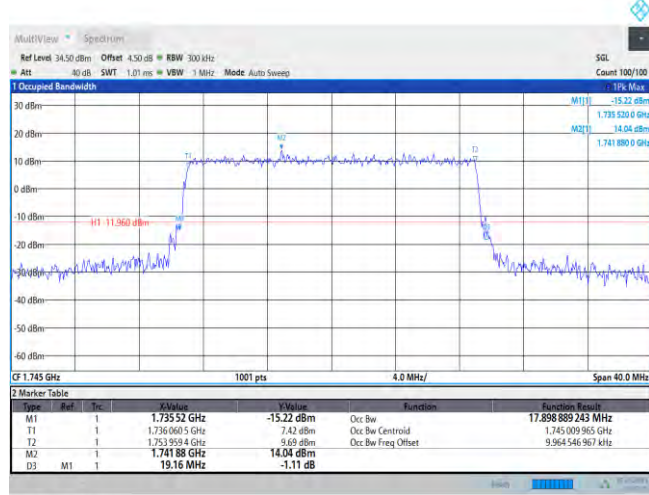
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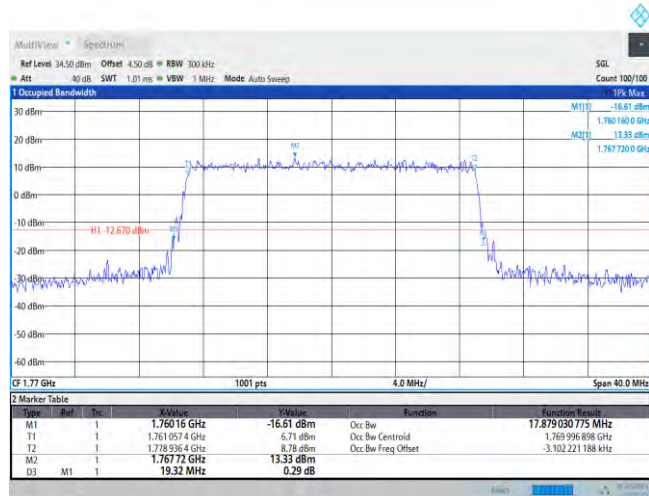
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Band66-20MHz-64QAM-132322-100RB#0



14:47:43 01.05.2023

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



14:48:23 01.05.2023



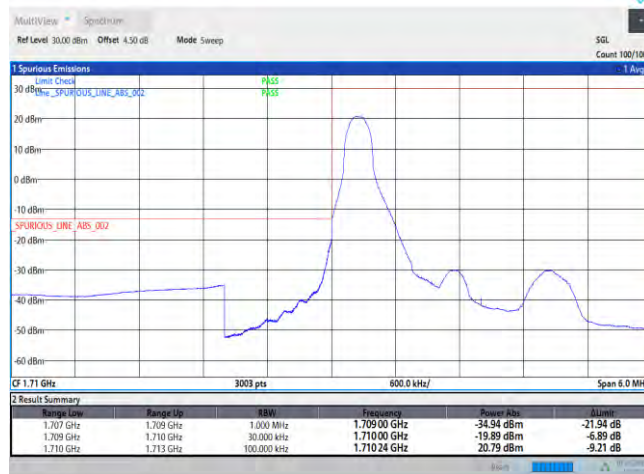
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## Band Edge

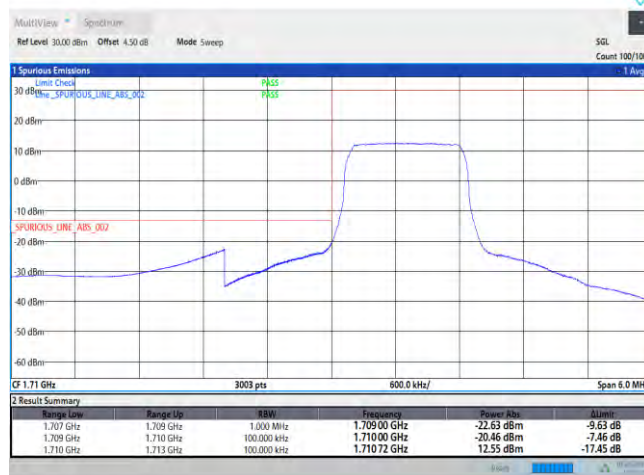
## Test Graphs

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



14:50:33 01.05.2023

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



14:52:17 01.05.2023



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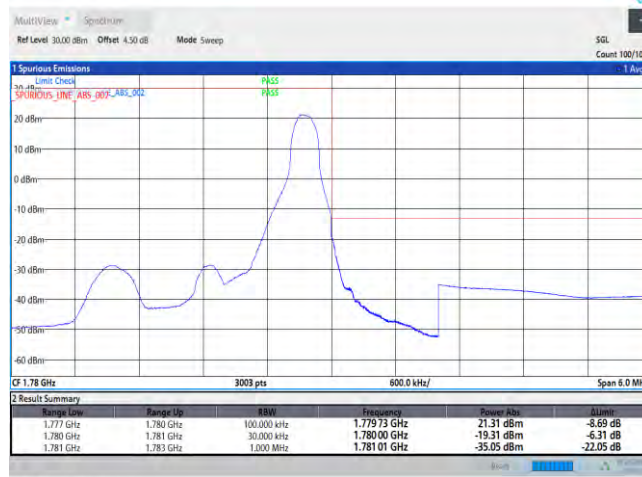
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Band66-1.4MHz-QPSK-132665-1RB#5



14:54:27 01.05.2023

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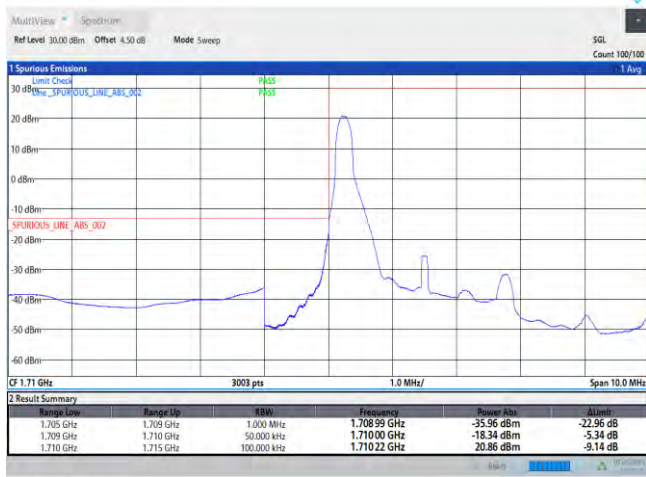
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Band66-3MHz-QPSK-131987-1RB#0



14:58:21 01.05.2023

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



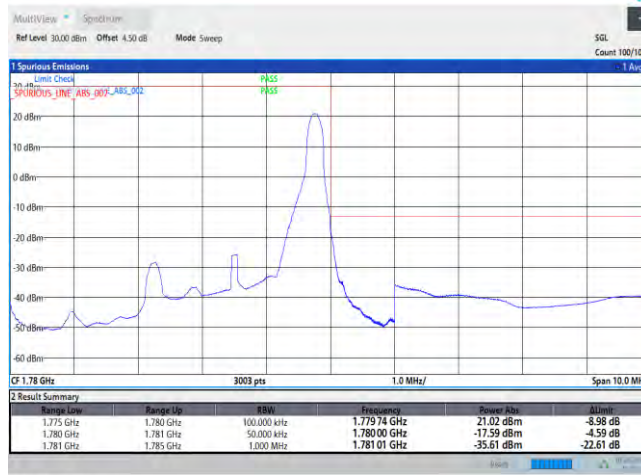
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Band66-3MHz-QPSK-132657-1RB#14



15:02:15 01.05.2023

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Band66-5MHz-QPSK-131997-1RB#0



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



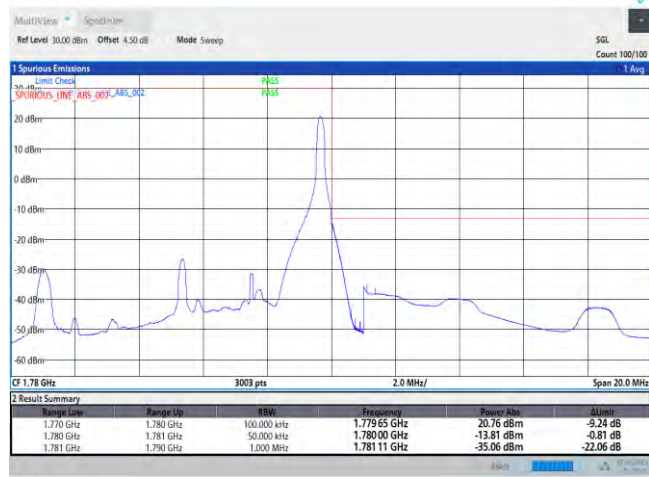
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Band66-5MHz-QPSK-132647-1RB#24



15:10:02 01.05.2023

Band66-5MHz-QPSK-132647-25RB#0



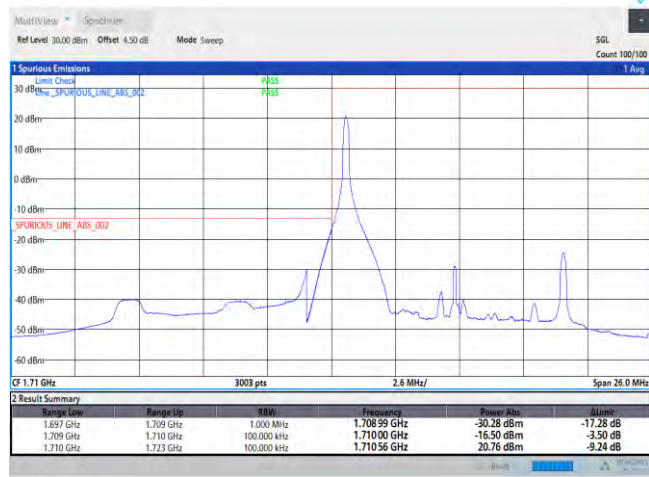
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Band66-10MHz-QPSK-132022-1RB#0



15:13:57 01.05.2023

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



15:15:41 01.05.2023

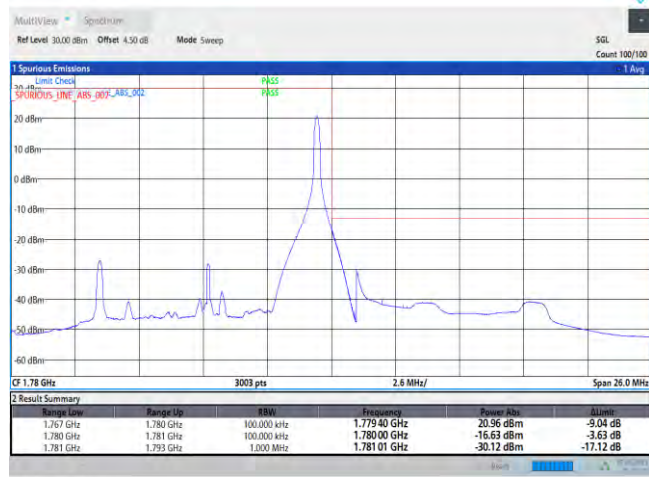


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Band66-10MHz-QPSK-132622-1RB#49



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



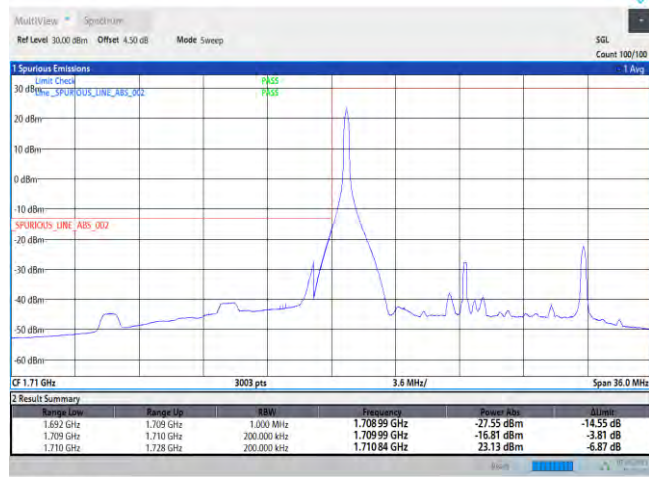
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Band66-15MHz-QPSK-132047-1RB#0



15:21:45 01.05.2023

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



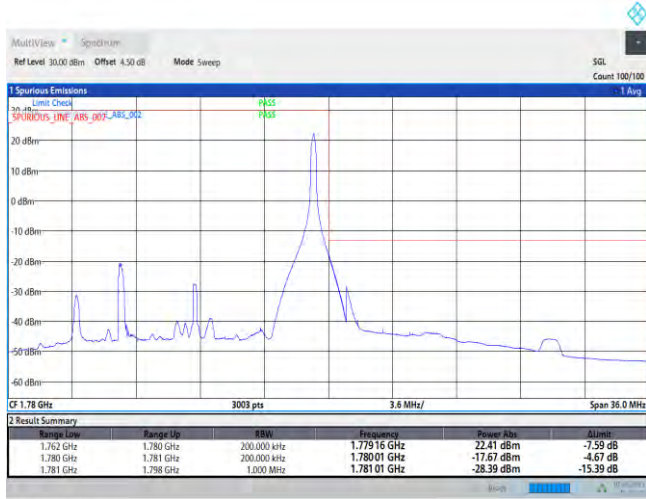
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Band66-15MHz-QPSK-132597-1RB#74



15:25:38 01.05.2023

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



15:27:23 01.05.2023



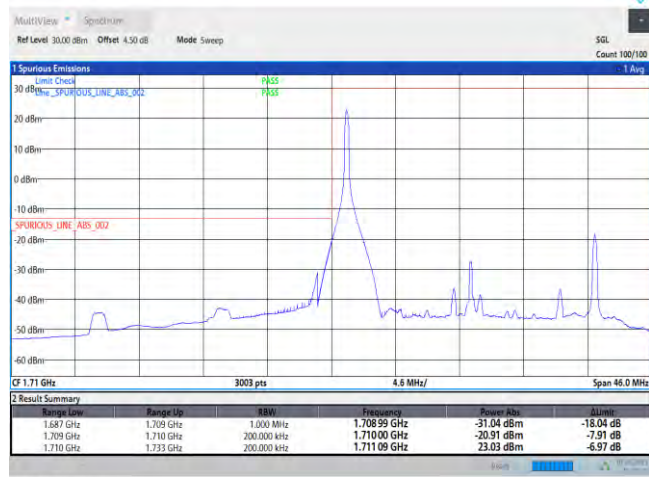
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Band66-20MHz-QPSK-132072-1RB#0



15:29:32 01.05.2023

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



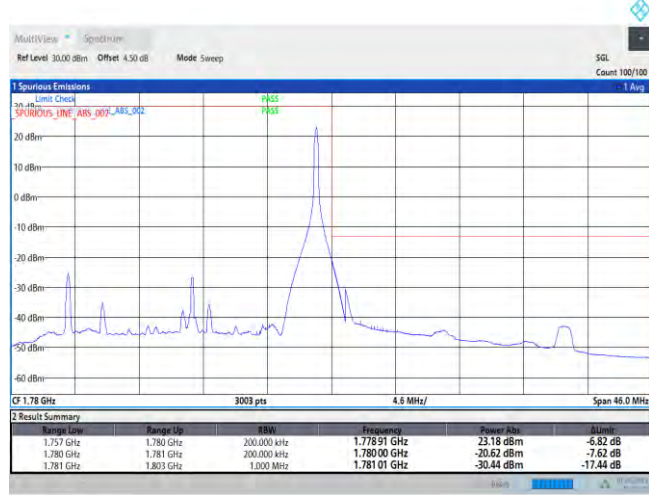
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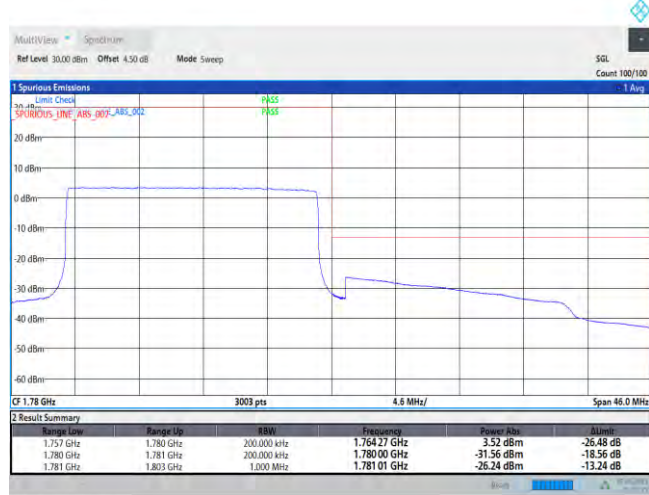
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Band66-20MHz-QPSK-132572-1RB#99



15:33:27 01.05.2023

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



15:35:11 01.05.2023



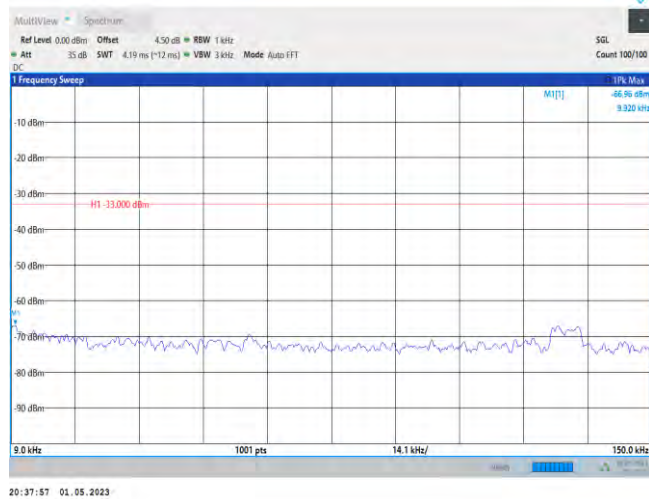
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## Conducted Spurious Emission

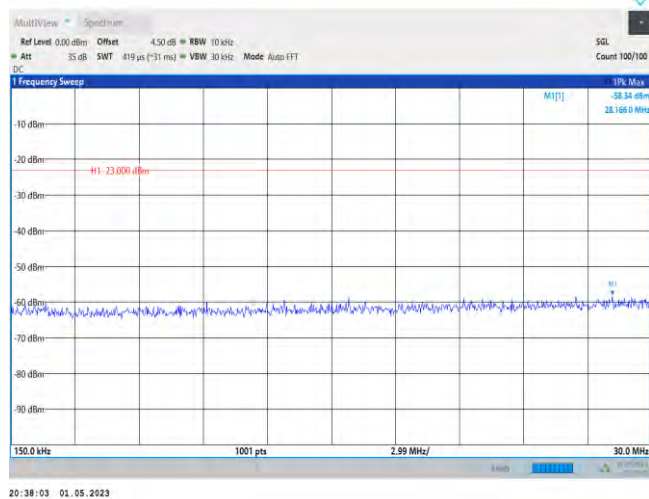
### Test Graphs

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



20:37:57 01.05.2023

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



20:38:03 01.05.2023

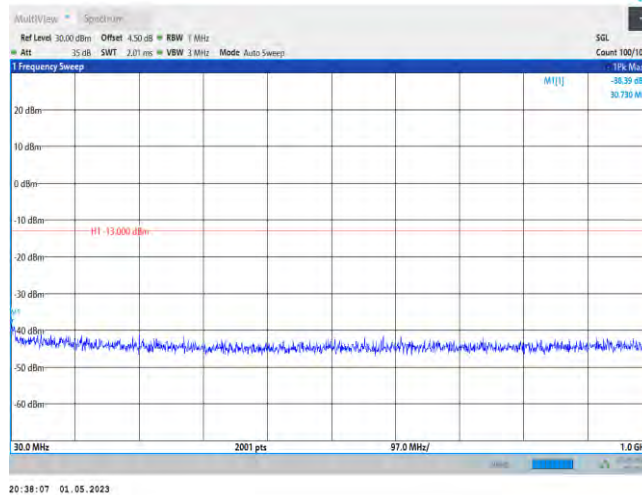


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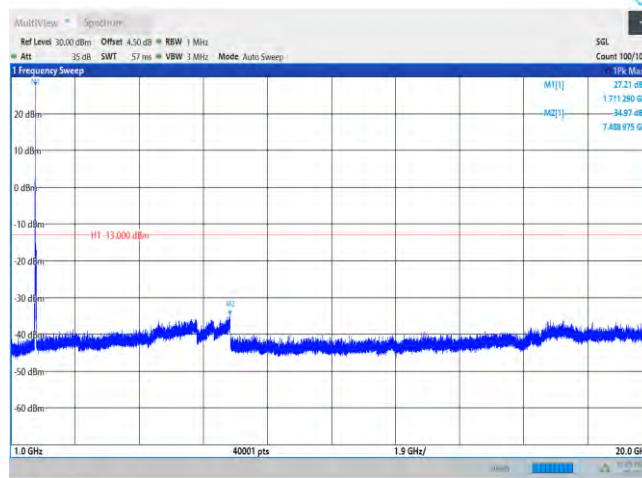


Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



20:38:07 01.05.2023

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



20:38:23 01.05.2023

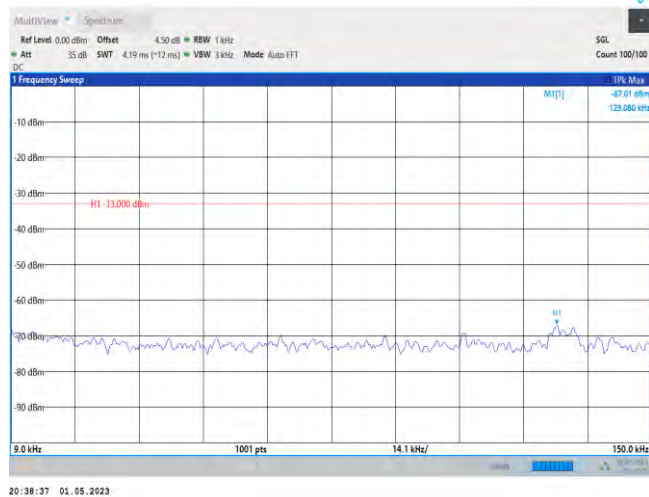


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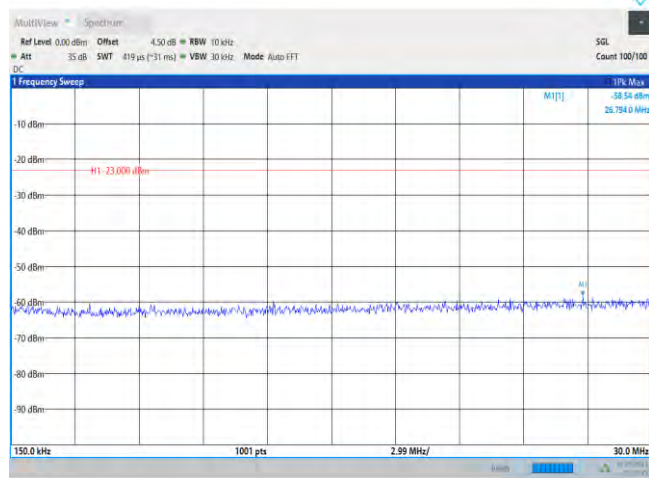
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Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



20:38:37 01.05.2023

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



20:38:43 01.05.2023



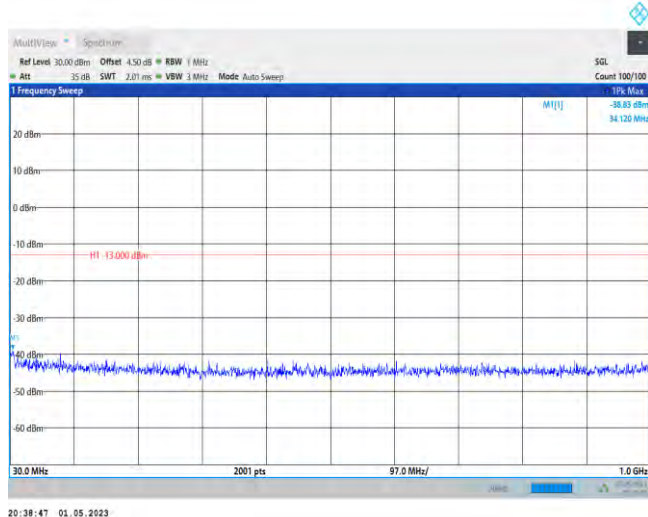
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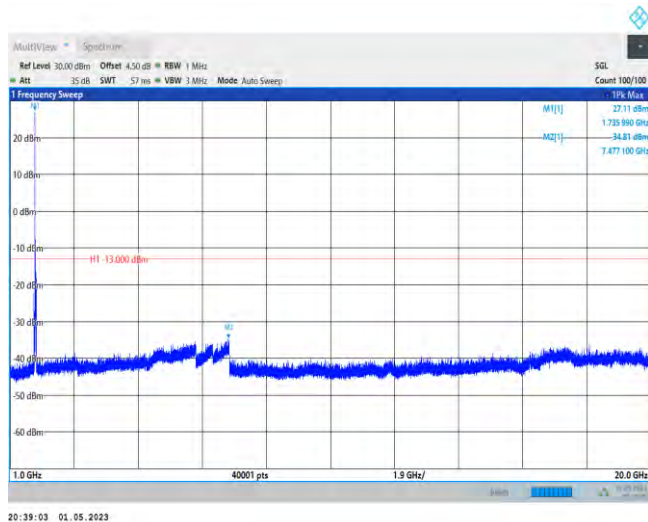
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Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



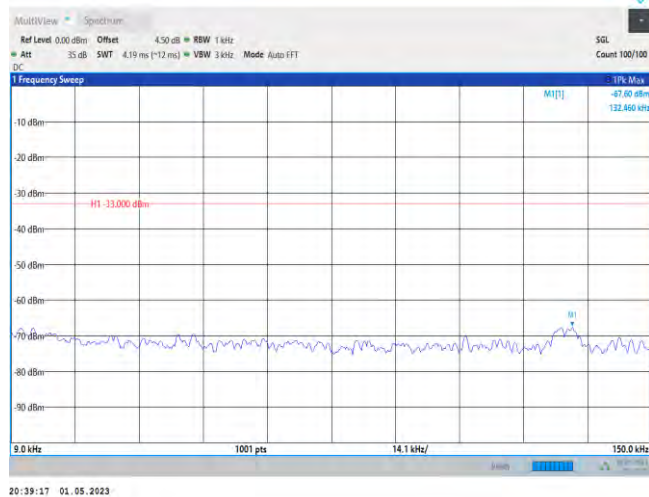
Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



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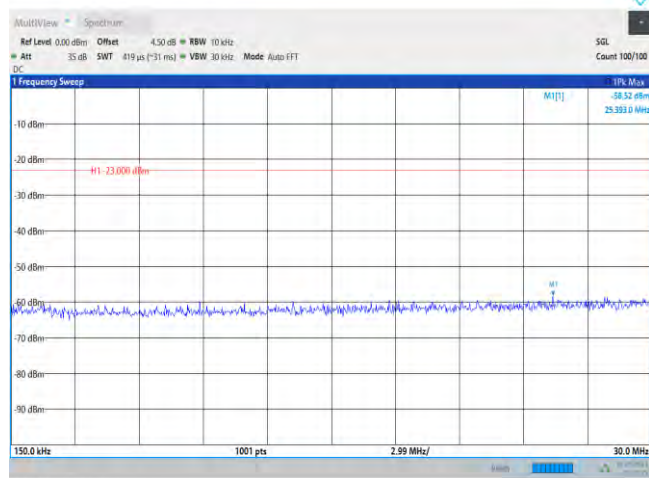


Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



20:39:17 01.05.2023

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



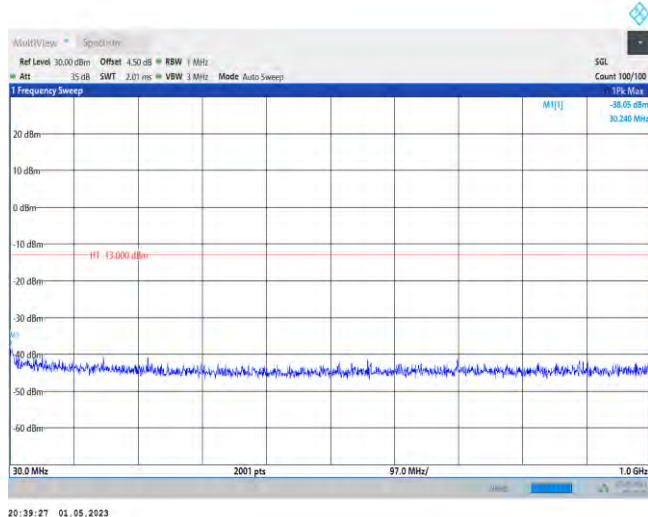
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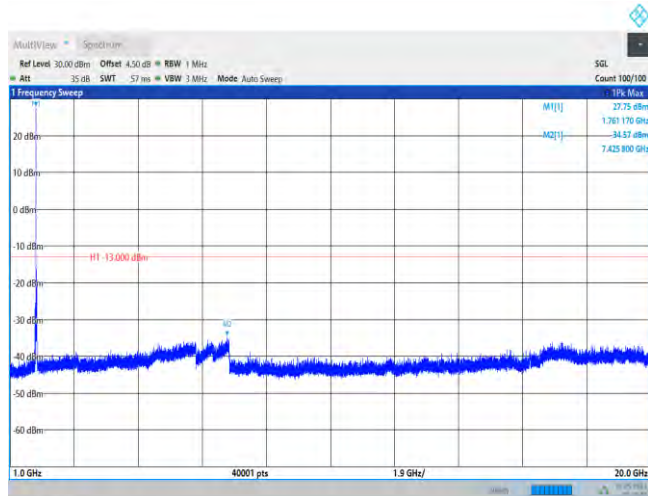
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Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



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



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## Field Strength of Spurious Radiation

Test Band = LTE B66\_20MHz\_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.1800	41.51	-46.28	29.43	-70.60	-13.00	57.60	187	195	Horizontal
2	5106.2700	39.72	-45.36	32.94	-67.97	-13.00	54.97	161	300	Horizontal
3	6808.3600	40.27	-44.16	35.85	-63.30	-13.00	50.30	124	269	Horizontal
4	8510.4500	36.83	-41.59	37.56	-62.46	-13.00	49.46	155	255	Horizontal
5	10212.5400	34.43	-39.45	38.81	-61.46	-13.00	48.46	231	103	Horizontal
6	11914.6300	32.75	-37.18	38.88	-60.81	-13.00	47.81	256	181	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	41.75	-46.28	29.43	-70.36	-13.00	57.36	108	226	Vertical
2	5106.2700	39.99	-45.36	32.94	-67.70	-13.00	54.70	126	344	Vertical
3	6808.3600	40.03	-44.16	35.85	-63.54	-13.00	50.54	134	120	Vertical
4	8510.4500	36.93	-41.59	37.56	-62.36	-13.00	49.36	167	4	Vertical
5	10212.5400	34.42	-39.45	38.81	-61.47	-13.00	48.47	221	300	Vertical
6	11914.6300	32.55	-37.18	38.88	-61.01	-13.00	48.01	294	286	Vertical



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Test Band = LTE B66\_20MHz \_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	42.52	-46.27	29.48	-69.53	-13.00	56.53	223	165	Horizontal
2	5181.2700	39.73	-45.30	32.98	-67.85	-13.00	54.85	198	28	Horizontal
3	6908.3600	39.73	-44.05	35.97	-63.61	-13.00	50.61	191	103	Horizontal
4	8635.4500	37.70	-41.46	37.81	-61.21	-13.00	48.21	291	14	Horizontal
5	10362.5400	34.25	-39.04	38.85	-61.20	-13.00	48.20	109	360	Horizontal
6	12089.6300	32.44	-37.37	39.04	-61.15	-13.00	48.15	122	148	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	3454.1800	42.62	-46.27	29.48	-69.43	-13.00	56.43	123	194	Vertical
2	5181.2700	40.11	-45.30	32.98	-67.47	-13.00	54.47	187	360	Vertical
3	6908.3600	39.13	-44.05	35.97	-64.21	-13.00	51.21	176	268	Vertical
4	8635.4500	36.79	-41.46	37.81	-62.12	-13.00	49.12	155	14	Vertical
5	10362.5400	34.51	-39.04	38.85	-60.94	-13.00	47.94	218	28	Vertical
6	12089.6300	31.65	-37.37	39.04	-61.94	-13.00	48.94	198	328	Vertical



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**Test Band = LTE B66\_20MHz \_ TM1**

**Test Channel = High**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.1800	42.66	-46.25	29.52	-69.33	-13.00	56.33	146	357	Horizontal
2	5256.2700	39.83	-45.17	32.94	-67.67	-13.00	54.67	189	165	Horizontal
3	7008.3600	39.22	-43.61	36.10	-63.55	-13.00	50.55	123	46	Horizontal
4	8760.4500	37.28	-41.42	38.02	-61.39	-13.00	48.39	121	46	Horizontal
5	10512.5400	33.37	-38.76	38.97	-61.68	-13.00	48.68	229	240	Horizontal
6	12262.6300	31.66	-37.44	39.11	-61.93	-13.00	48.93	189	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	3504.1800	43.08	-46.25	29.52	-68.91	-13.00	55.91	110	74	Vertical
2	5256.2700	40.35	-45.17	32.94	-67.15	-13.00	54.15	187	300	Vertical
3	7008.3600	39.18	-43.61	36.10	-63.59	-13.00	50.59	155	4	Vertical
4	8760.4500	36.76	-41.42	38.02	-61.91	-13.00	48.91	223	331	Vertical
5	10512.5400	33.52	-38.76	38.97	-61.53	-13.00	48.53	245	344	Vertical
6	12262.6300	31.39	-37.44	39.11	-62.20	-13.00	49.20	108	4	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	-2.60	-0.001490	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-3.80	-0.002178	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-0.40	-0.000229	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	0.70	0.000401	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-3.50	-0.002006	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-1.90	-0.001089	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-6.70	-0.003840	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-4.70	-0.002693	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-6.60	-0.003782	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-9.00	-0.005158	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-7.80	-0.004470	PASS

---End of Attachment---



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