



# Appendix B.13

## LTE Band 66



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	24.12	23.02	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	24.08	22.98	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	24.09	22.99	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	23.25	22.15	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.96	22.86	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	24.07	22.97	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	24.04	22.94	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.95	21.85	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	24.24	23.14	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.93	22.83	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.93	22.83	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	23.24	22.14	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	23.03	21.93	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	23.09	21.99	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	23.14	22.04	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.97	20.87	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	23.1	22	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	23.16	22.06	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	23.01	21.91	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	22.01	20.91	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	23.21	22.11	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	23.27	22.17	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	23.18	22.08	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	22.2	21.1	30.00	PASS



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Band66	1.4MHz	64QAM	131979	1RB#0	22.14	21.04	30.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	22.19	21.09	30.00	PASS
Band66	1.4MHz	64QAM	131979	1RB#5	22.15	21.05	30.00	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	20.99	19.89	30.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	22.11	21.01	30.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	22.16	21.06	30.00	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	22.19	21.09	30.00	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.96	19.86	30.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	22.29	21.19	30.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	22.11	21.01	30.00	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	22.3	21.2	30.00	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	21.15	20.05	30.00	PASS
Band66	1.4MHz	256QAM	131979	1RB#0	18.98	17.88	30.00	PASS
Band66	1.4MHz	256QAM	131979	1RB#2	19.07	17.97	30.00	PASS
Band66	1.4MHz	256QAM	131979	1RB#5	19.08	17.98	30.00	PASS
Band66	1.4MHz	256QAM	131979	6RB#0	19.03	17.93	30.00	PASS
Band66	1.4MHz	256QAM	132322	1RB#0	19.05	17.95	30.00	PASS
Band66	1.4MHz	256QAM	132322	1RB#2	19.08	17.98	30.00	PASS
Band66	1.4MHz	256QAM	132322	1RB#5	19.06	17.96	30.00	PASS
Band66	1.4MHz	256QAM	132322	6RB#0	18.94	17.84	30.00	PASS
Band66	1.4MHz	256QAM	132665	1RB#0	19.2	18.1	30.00	PASS
Band66	1.4MHz	256QAM	132665	1RB#2	19.28	18.18	30.00	PASS
Band66	1.4MHz	256QAM	132665	1RB#5	19.2	18.1	30.00	PASS
Band66	1.4MHz	256QAM	132665	6RB#0	19.08	17.98	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	24.08	22.98	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	24.04	22.94	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	24.03	22.93	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	23.03	21.93	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	24.17	23.07	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	24.08	22.98	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	24.08	22.98	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	23.1	22	30.00	PASS



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Band66	3MHz	QPSK	132657	1RB#0	24.08	22.98	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.99	22.89	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	24.17	23.07	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	23.24	22.14	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	23.02	21.92	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	23.16	22.06	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	23.22	22.12	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	22.09	20.99	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	23.18	22.08	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	23.22	22.12	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	23.14	22.04	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	22.07	20.97	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	23.21	22.11	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	23.18	22.08	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	23.3	22.2	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	22.15	21.05	30.00	PASS
Band66	3MHz	64QAM	131987	1RB#0	22.22	21.12	30.00	PASS
Band66	3MHz	64QAM	131987	1RB#8	22.25	21.15	30.00	PASS
Band66	3MHz	64QAM	131987	1RB#14	22.13	21.03	30.00	PASS
Band66	3MHz	64QAM	131987	15RB#0	21.14	20.04	30.00	PASS
Band66	3MHz	64QAM	132322	1RB#0	22.11	21.01	30.00	PASS
Band66	3MHz	64QAM	132322	1RB#8	22.27	21.17	30.00	PASS
Band66	3MHz	64QAM	132322	1RB#14	22.18	21.08	30.00	PASS
Band66	3MHz	64QAM	132322	15RB#0	21.08	19.98	30.00	PASS
Band66	3MHz	64QAM	132657	1RB#0	22.22	21.12	30.00	PASS
Band66	3MHz	64QAM	132657	1RB#8	22.26	21.16	30.00	PASS
Band66	3MHz	64QAM	132657	1RB#14	22.23	21.13	30.00	PASS
Band66	3MHz	64QAM	132657	15RB#0	21.26	20.16	30.00	PASS
Band66	3MHz	256QAM	131987	1RB#0	19.12	18.02	30.00	PASS
Band66	3MHz	256QAM	131987	1RB#8	19.13	18.03	30.00	PASS
Band66	3MHz	256QAM	131987	1RB#14	18.97	17.87	30.00	PASS
Band66	3MHz	256QAM	131987	15RB#0	18.97	17.87	30.00	PASS



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Band66	3MHz	256QAM	132322	1RB#0	18.99	17.89	30.00	PASS
Band66	3MHz	256QAM	132322	1RB#8	18.99	17.89	30.00	PASS
Band66	3MHz	256QAM	132322	1RB#14	19.07	17.97	30.00	PASS
Band66	3MHz	256QAM	132322	15RB#0	18.97	17.87	30.00	PASS
Band66	3MHz	256QAM	132657	1RB#0	19.22	18.12	30.00	PASS
Band66	3MHz	256QAM	132657	1RB#8	19.13	18.03	30.00	PASS
Band66	3MHz	256QAM	132657	1RB#14	19.25	18.15	30.00	PASS
Band66	3MHz	256QAM	132657	15RB#0	19.14	18.04	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.99	22.89	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	24.04	22.94	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.99	22.89	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	23.01	21.91	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.98	22.88	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	24.07	22.97	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	24.03	22.93	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	23.05	21.95	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.99	22.89	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.92	22.82	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.92	22.82	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	23.23	22.13	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	23.11	22.01	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	23.01	21.91	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	23.2	22.1	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	22.02	20.92	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	23.16	22.06	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	23.11	22.01	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	23.03	21.93	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	22.05	20.95	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	23.19	22.09	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	23.27	22.17	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	23.26	22.16	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	22.19	21.09	30.00	PASS



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Band66	5MHz	64QAM	131997	1RB#0	22.18	21.08	30.00	PASS
Band66	5MHz	64QAM	131997	1RB#12	22.2	21.1	30.00	PASS
Band66	5MHz	64QAM	131997	1RB#24	22.11	21.01	30.00	PASS
Band66	5MHz	64QAM	131997	25RB#0	21.02	19.92	30.00	PASS
Band66	5MHz	64QAM	132322	1RB#0	22.14	21.04	30.00	PASS
Band66	5MHz	64QAM	132322	1RB#12	22.15	21.05	30.00	PASS
Band66	5MHz	64QAM	132322	1RB#24	22.16	21.06	30.00	PASS
Band66	5MHz	64QAM	132322	25RB#0	21.13	20.03	30.00	PASS
Band66	5MHz	64QAM	132647	1RB#0	22.13	21.03	30.00	PASS
Band66	5MHz	64QAM	132647	1RB#12	22.1	21	30.00	PASS
Band66	5MHz	64QAM	132647	1RB#24	22.08	20.98	30.00	PASS
Band66	5MHz	64QAM	132647	25RB#0	21.24	20.14	30.00	PASS
Band66	5MHz	256QAM	131997	1RB#0	19.13	18.03	30.00	PASS
Band66	5MHz	256QAM	131997	1RB#12	19.13	18.03	30.00	PASS
Band66	5MHz	256QAM	131997	1RB#24	19.15	18.05	30.00	PASS
Band66	5MHz	256QAM	131997	25RB#0	19.05	17.95	30.00	PASS
Band66	5MHz	256QAM	132322	1RB#0	19.19	18.09	30.00	PASS
Band66	5MHz	256QAM	132322	1RB#12	19.21	18.11	30.00	PASS
Band66	5MHz	256QAM	132322	1RB#24	19.16	18.06	30.00	PASS
Band66	5MHz	256QAM	132322	25RB#0	18.99	17.89	30.00	PASS
Band66	5MHz	256QAM	132647	1RB#0	19.24	18.14	30.00	PASS
Band66	5MHz	256QAM	132647	1RB#12	19.26	18.16	30.00	PASS
Band66	5MHz	256QAM	132647	1RB#24	19.23	18.13	30.00	PASS
Band66	5MHz	256QAM	132647	25RB#0	19.1	18	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.96	22.86	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	24.15	23.05	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.96	22.86	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	23.11	22.01	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.95	22.85	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	24.06	22.96	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	24.05	22.95	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	23.08	21.98	30.00	PASS



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Band66	10MHz	QPSK	132622	1RB#0	23.91	22.81	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	24.16	23.06	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.97	22.87	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	23.24	22.14	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	23.22	22.12	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	23.15	22.05	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	23.15	22.05	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.93	20.83	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	23.15	22.05	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	23.13	22.03	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	23.1	22	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.95	20.85	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	23.13	22.03	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	23.25	22.15	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	23.15	22.05	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	22.15	21.05	30.00	PASS
Band66	10MHz	64QAM	132022	1RB#0	22.18	21.08	30.00	PASS
Band66	10MHz	64QAM	132022	1RB#24	22.25	21.15	30.00	PASS
Band66	10MHz	64QAM	132022	1RB#49	22.21	21.11	30.00	PASS
Band66	10MHz	64QAM	132022	50RB#0	21.04	19.94	30.00	PASS
Band66	10MHz	64QAM	132322	1RB#0	22.05	20.95	30.00	PASS
Band66	10MHz	64QAM	132322	1RB#24	22.12	21.02	30.00	PASS
Band66	10MHz	64QAM	132322	1RB#49	22.14	21.04	30.00	PASS
Band66	10MHz	64QAM	132322	50RB#0	21.09	19.99	30.00	PASS
Band66	10MHz	64QAM	132622	1RB#0	22.23	21.13	30.00	PASS
Band66	10MHz	64QAM	132622	1RB#24	22.23	21.13	30.00	PASS
Band66	10MHz	64QAM	132622	1RB#49	22.13	21.03	30.00	PASS
Band66	10MHz	64QAM	132622	50RB#0	21.22	20.12	30.00	PASS
Band66	10MHz	256QAM	132022	1RB#0	19.14	18.04	30.00	PASS
Band66	10MHz	256QAM	132022	1RB#24	19.25	18.15	30.00	PASS
Band66	10MHz	256QAM	132022	1RB#49	19.02	17.92	30.00	PASS
Band66	10MHz	256QAM	132022	50RB#0	18.96	17.86	30.00	PASS



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Band66	10MHz	256QAM	132322	1RB#0	18.99	17.89	30.00	PASS
Band66	10MHz	256QAM	132322	1RB#24	19.19	18.09	30.00	PASS
Band66	10MHz	256QAM	132322	1RB#49	19.21	18.11	30.00	PASS
Band66	10MHz	256QAM	132322	50RB#0	19.04	17.94	30.00	PASS
Band66	10MHz	256QAM	132622	1RB#0	19.16	18.06	30.00	PASS
Band66	10MHz	256QAM	132622	1RB#24	19.24	18.14	30.00	PASS
Band66	10MHz	256QAM	132622	1RB#49	19.28	18.18	30.00	PASS
Band66	10MHz	256QAM	132622	50RB#0	19.14	18.04	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	24	22.9	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	24.05	22.95	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.96	22.86	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.96	21.86	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.92	22.82	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.94	22.84	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	24.06	22.96	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	23	21.9	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.97	22.87	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	24	22.9	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.91	22.81	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	23.07	21.97	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	23	21.9	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.26	22.16	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	23.18	22.08	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	22.07	20.97	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	23.1	22	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	23.08	21.98	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	23.14	22.04	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.94	20.84	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	23.06	21.96	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	23.3	22.2	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	23.25	22.15	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	22.09	20.99	30.00	PASS



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Band66	15MHz	64QAM	132047	1RB#0	22.12	21.02	30.00	PASS
Band66	15MHz	64QAM	132047	1RB#38	22.12	21.02	30.00	PASS
Band66	15MHz	64QAM	132047	1RB#74	22.11	21.01	30.00	PASS
Band66	15MHz	64QAM	132047	75RB#0	21.02	19.92	30.00	PASS
Band66	15MHz	64QAM	132322	1RB#0	22.09	20.99	30.00	PASS
Band66	15MHz	64QAM	132322	1RB#38	22.25	21.15	30.00	PASS
Band66	15MHz	64QAM	132322	1RB#74	22.14	21.04	30.00	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.99	19.89	30.00	PASS
Band66	15MHz	64QAM	132597	1RB#0	22.1	21	30.00	PASS
Band66	15MHz	64QAM	132597	1RB#38	22.26	21.16	30.00	PASS
Band66	15MHz	64QAM	132597	1RB#74	22.29	21.19	30.00	PASS
Band66	15MHz	64QAM	132597	75RB#0	21.01	19.91	30.00	PASS
Band66	15MHz	256QAM	132047	1RB#0	19.14	18.04	30.00	PASS
Band66	15MHz	256QAM	132047	1RB#38	19.1	18	30.00	PASS
Band66	15MHz	256QAM	132047	1RB#74	19.1	18	30.00	PASS
Band66	15MHz	256QAM	132047	75RB#0	19	17.9	30.00	PASS
Band66	15MHz	256QAM	132322	1RB#0	19.07	17.97	30.00	PASS
Band66	15MHz	256QAM	132322	1RB#38	19.07	17.97	30.00	PASS
Band66	15MHz	256QAM	132322	1RB#74	19.04	17.94	30.00	PASS
Band66	15MHz	256QAM	132322	75RB#0	18.97	17.87	30.00	PASS
Band66	15MHz	256QAM	132597	1RB#0	19.07	17.97	30.00	PASS
Band66	15MHz	256QAM	132597	1RB#38	19.2	18.1	30.00	PASS
Band66	15MHz	256QAM	132597	1RB#74	19.26	18.16	30.00	PASS
Band66	15MHz	256QAM	132597	75RB#0	18.93	17.83	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.99	22.89	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.99	22.89	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	24.07	22.97	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	23.1	22	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.98	22.88	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.95	22.85	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	24.11	23.01	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	23	21.9	30.00	PASS



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Band66	20MHz	QPSK	132572	1RB#0	24.08	22.98	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.96	22.86	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	24.04	22.94	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.99	21.89	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	23.01	21.91	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.06	21.96	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	23.24	22.14	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	22.07	20.97	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.91	21.81	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	23.02	21.92	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	23.27	22.17	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.99	20.89	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	23.07	21.97	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	23.1	22	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	23.22	22.12	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.97	20.87	30.00	PASS
Band66	20MHz	64QAM	132072	1RB#0	22.01	20.91	30.00	PASS
Band66	20MHz	64QAM	132072	1RB#49	22.19	21.09	30.00	PASS
Band66	20MHz	64QAM	132072	1RB#99	22.14	21.04	30.00	PASS
Band66	20MHz	64QAM	132072	100RB#0	21.13	20.03	30.00	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.99	20.89	30.00	PASS
Band66	20MHz	64QAM	132322	1RB#49	22.11	21.01	30.00	PASS
Band66	20MHz	64QAM	132322	1RB#99	22.28	21.18	30.00	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.97	19.87	30.00	PASS
Band66	20MHz	64QAM	132572	1RB#0	22.01	20.91	30.00	PASS
Band66	20MHz	64QAM	132572	1RB#49	22.12	21.02	30.00	PASS
Band66	20MHz	64QAM	132572	1RB#99	22.22	21.12	30.00	PASS
Band66	20MHz	64QAM	132572	100RB#0	21	19.9	30.00	PASS
Band66	20MHz	256QAM	132072	1RB#0	18.94	17.84	30.00	PASS
Band66	20MHz	256QAM	132072	1RB#49	19.03	17.93	30.00	PASS
Band66	20MHz	256QAM	132072	1RB#99	19.1	18	30.00	PASS
Band66	20MHz	256QAM	132072	100RB#0	18.97	17.87	30.00	PASS



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Rev.: 01

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Band66	20MHz	256QAM	132322	1RB#0	18.95	17.85	30.00	PASS
Band66	20MHz	256QAM	132322	1RB#49	19	17.9	30.00	PASS
Band66	20MHz	256QAM	132322	1RB#99	19.2	18.1	30.00	PASS
Band66	20MHz	256QAM	132322	100RB#0	19.05	17.95	30.00	PASS
Band66	20MHz	256QAM	132572	1RB#0	19.04	17.94	30.00	PASS
Band66	20MHz	256QAM	132572	1RB#49	19.14	18.04	30.00	PASS
Band66	20MHz	256QAM	132572	1RB#99	19.13	18.03	30.00	PASS
Band66	20MHz	256QAM	132572	100RB#0	19.07	17.97	30.00	PASS



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## Peak-to-Average Ratio(CCDF)

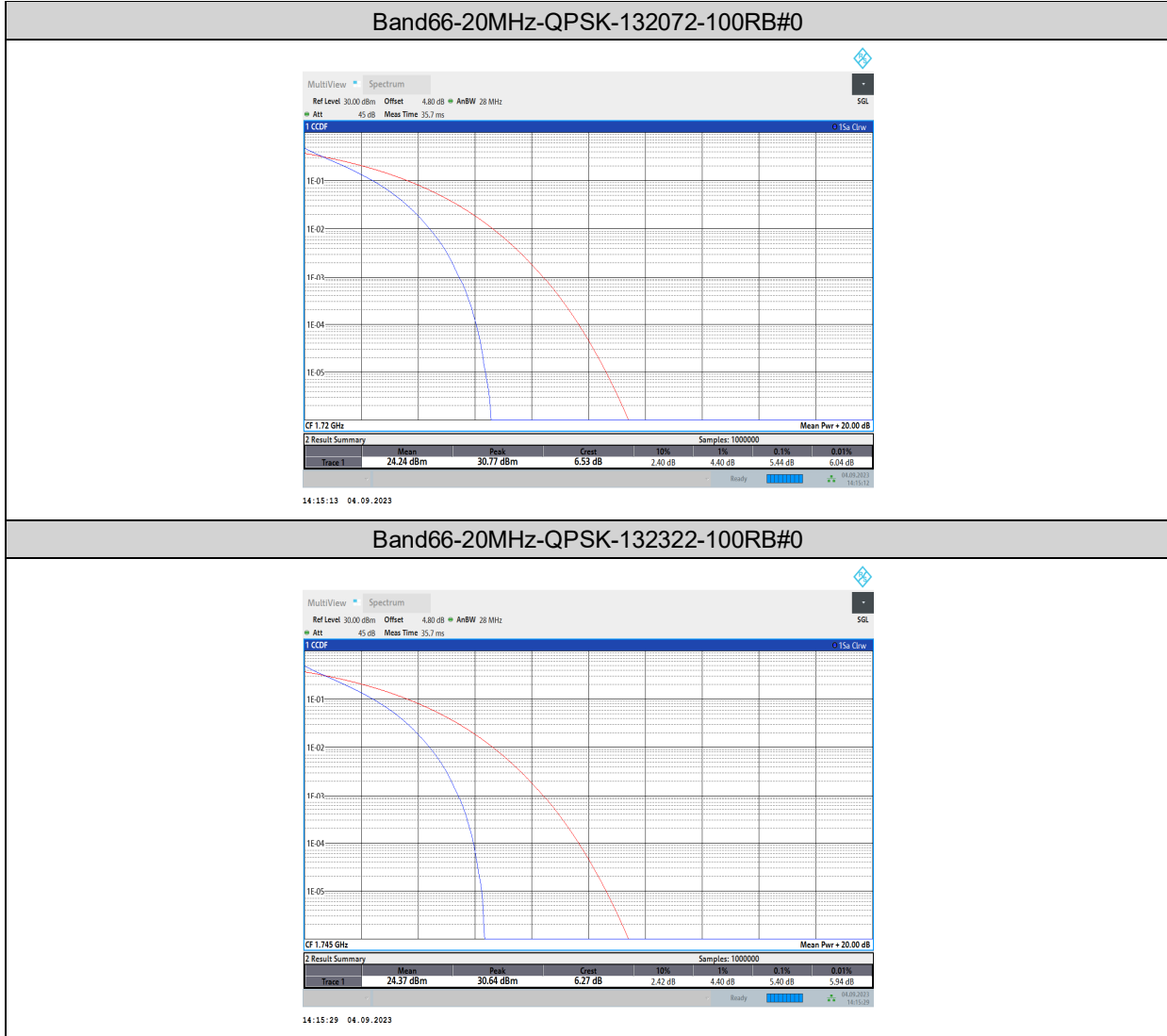
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.44	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.40	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.44	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.16	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.90	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.98	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.40	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.30	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.34	13	PASS
Band66	20MHz	256QAM	132072	100RB#0	6.64	13	PASS
Band66	20MHz	256QAM	132322	100RB#0	6.66	13	PASS
Band66	20MHz	256QAM	132572	100RB#0	6.62	13	PASS



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Test Graphs

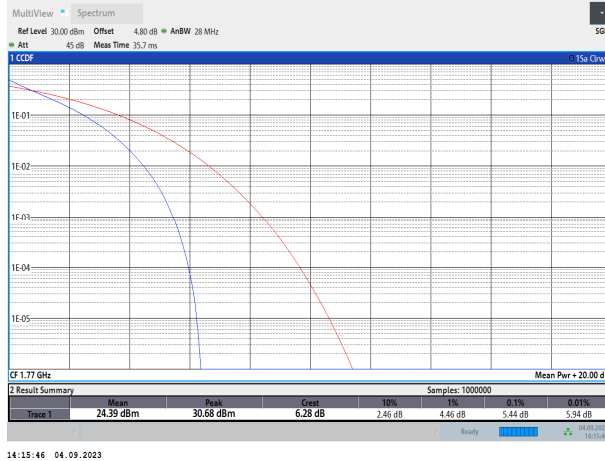


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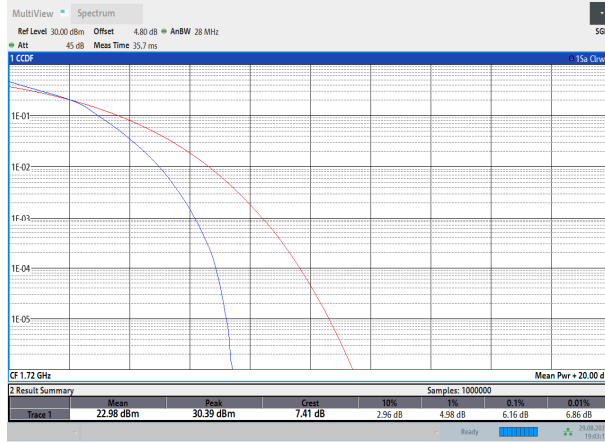
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Band66-20MHz-QPSK-132572-100RB#0



14:15:46 04.09.2023

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



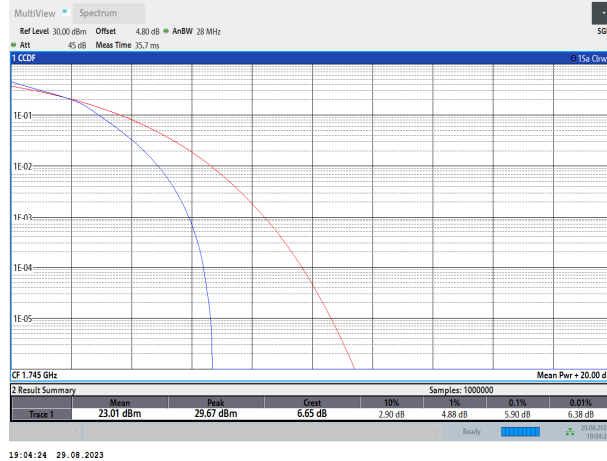
19:03:14 29.08.2023



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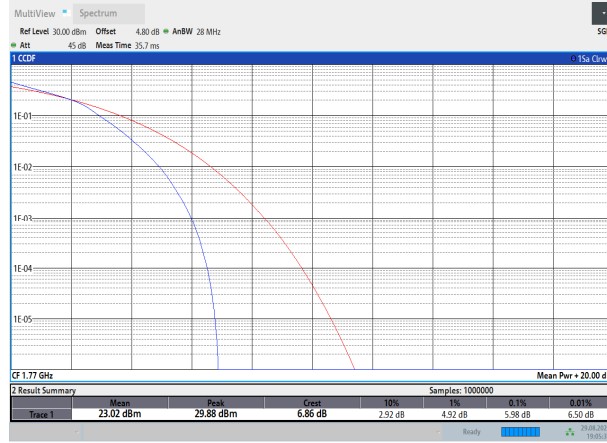
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Band66-20MHz-16QAM-132322-100RB#0



19:04:24 29.08.2023

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



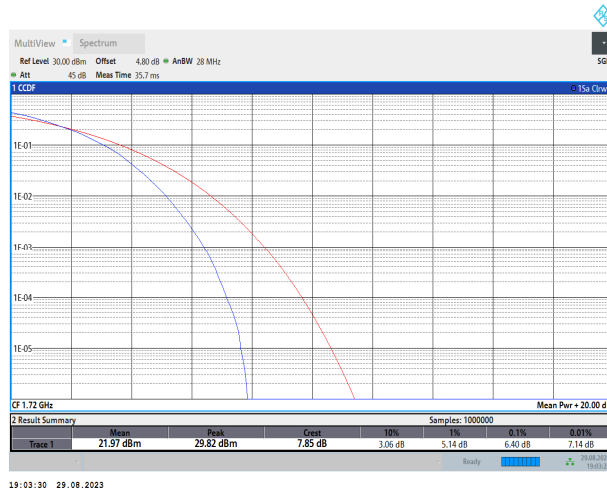
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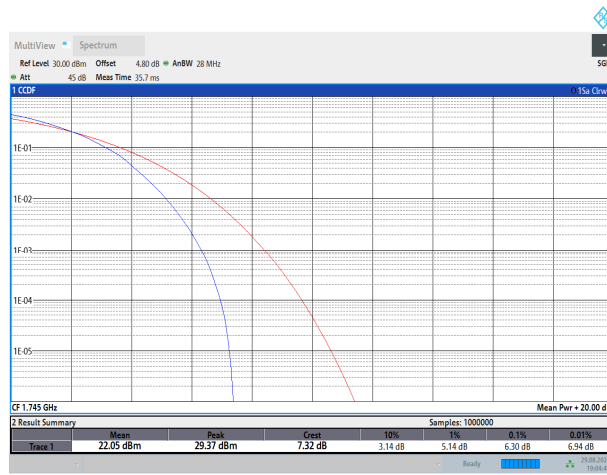
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Band66-20MHz-64QAM-132072-100RB#0



19:03:30 29.08.2023

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



19:04:41 29.08.2023

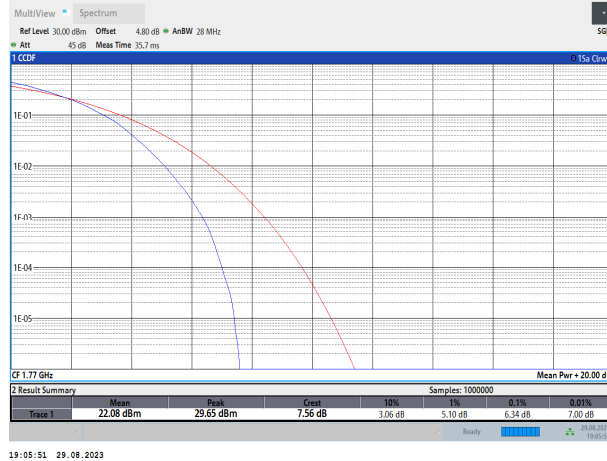


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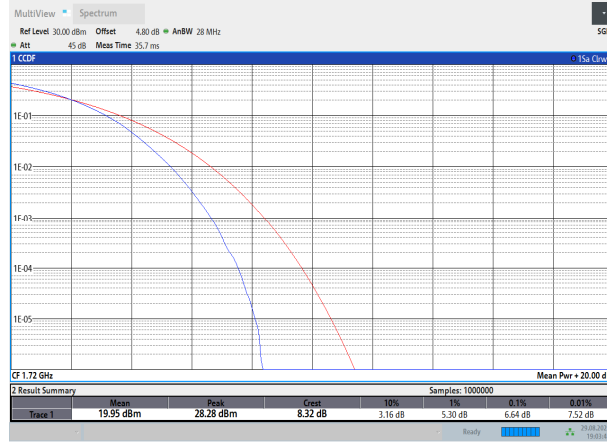


Band66-20MHz-64QAM-132572-100RB#0



19:05:51 29.08.2023

Band66-20MHz-256QAM-132072-100RB#0



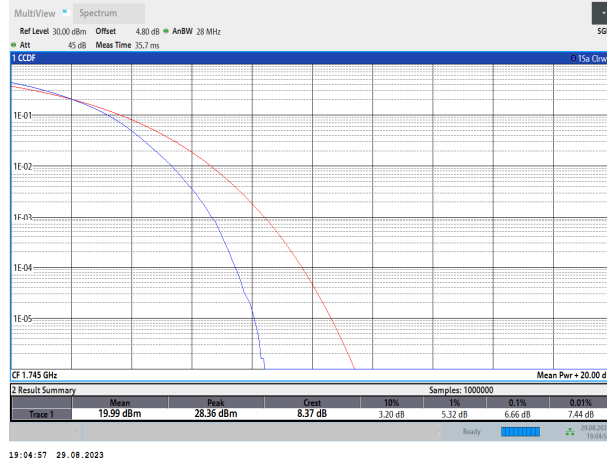
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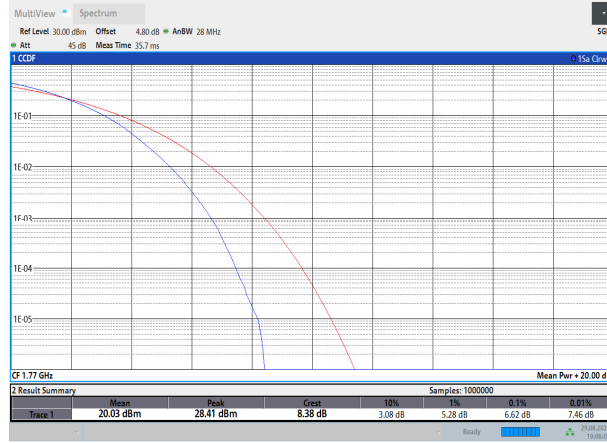
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Band66-20MHz-256QAM-132322-100RB#0



19:04:57 29.08.2023

Band66-20MHz-256QAM-132572-100RB#0



19:06:08 29.08.2023



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

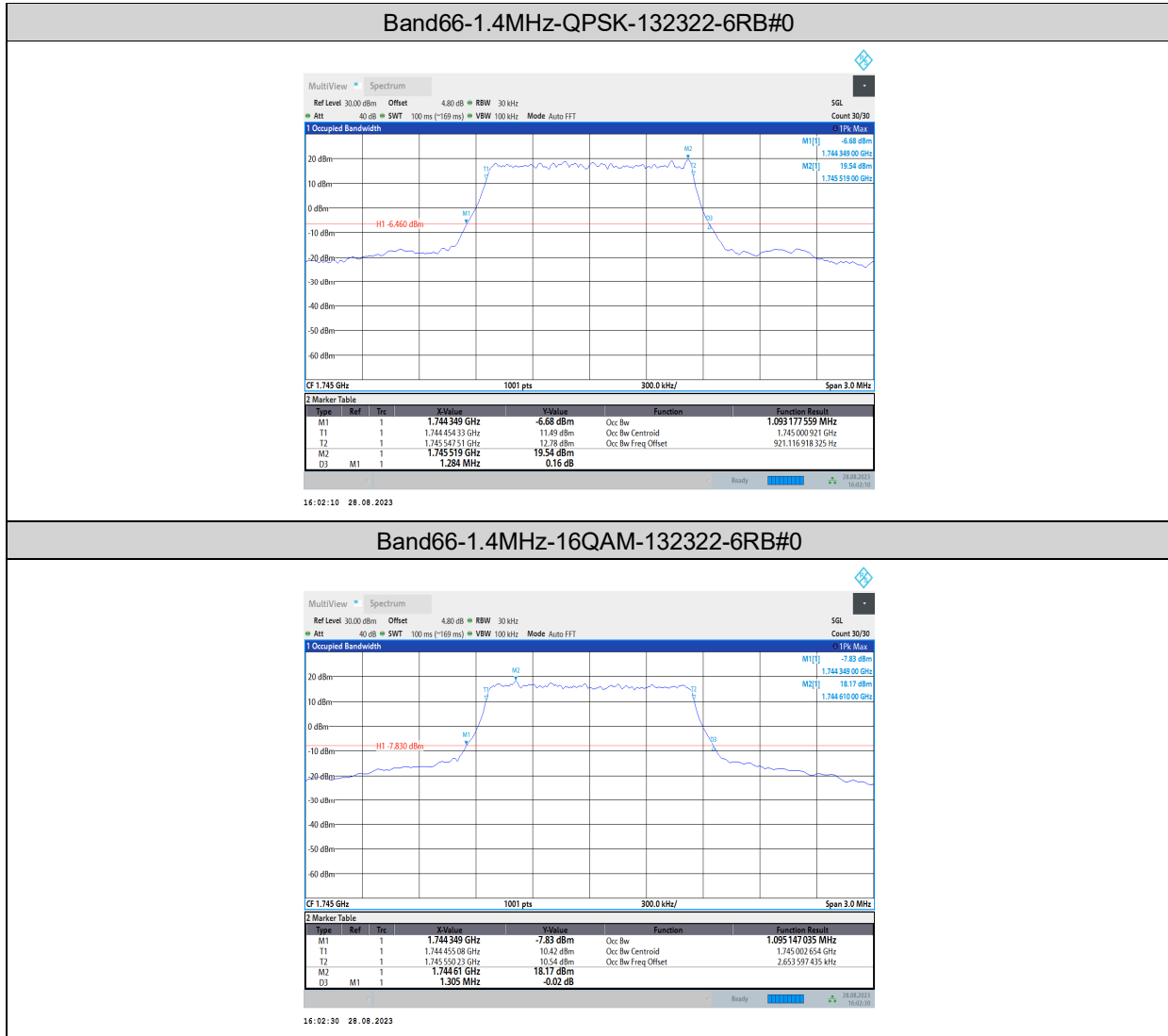
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	132322	6RB#0	1.093	1.28	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.095	1.31	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.096	1.31	PASS
Band66	1.4MHz	256QAM	132322	6RB#0	1.086	1.29	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.698	2.99	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.694	2.94	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.694	2.93	PASS
Band66	3MHz	256QAM	132322	15RB#0	2.69	2.95	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.462	4.87	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.465	4.86	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.472	4.86	PASS
Band66	5MHz	256QAM	132322	25RB#0	4.468	4.83	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.928	9.62	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.929	9.70	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.94	9.62	PASS
Band66	10MHz	256QAM	132322	50RB#0	8.932	9.62	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.455	14.61	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.443	14.64	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.439	14.70	PASS
Band66	15MHz	256QAM	132322	75RB#0	13.421	14.64	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.875	19.28	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.877	19.24	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.861	19.32	PASS
Band66	20MHz	256QAM	132322	100RB#0	17.863	19.28	PASS



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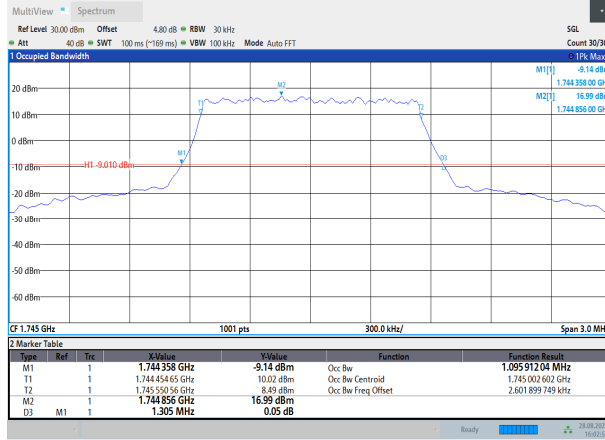
Test Graphs



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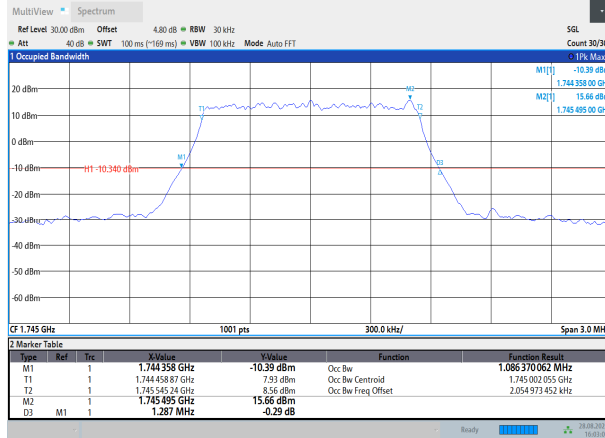
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Band66-1.4MHz-64QAM-132322-6RB#0



16:02:50 28.08.2023

Band66-1.4MHz-256QAM-132322-6RB#0



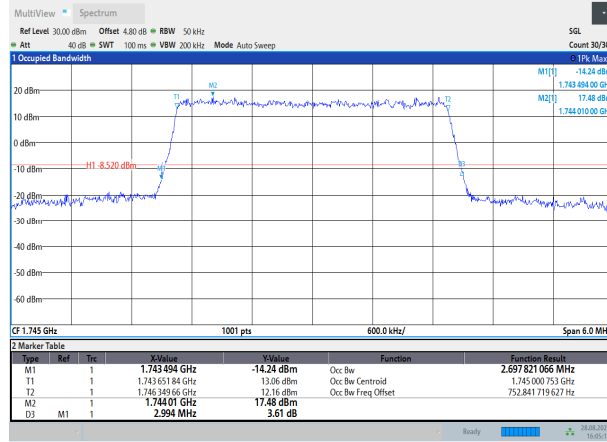
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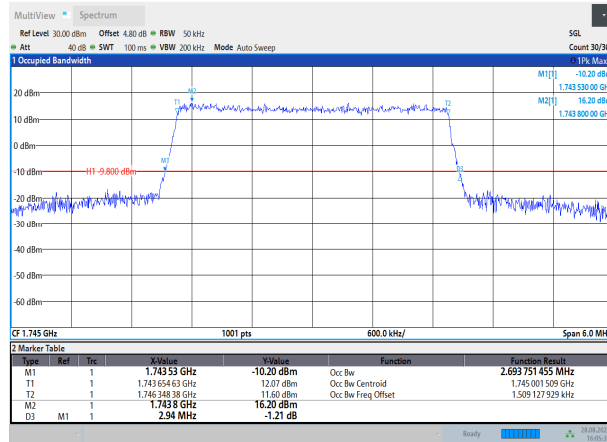
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Band66-3MHz-QPSK-132322-15RB#0



16:05:19 28.08.2023

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



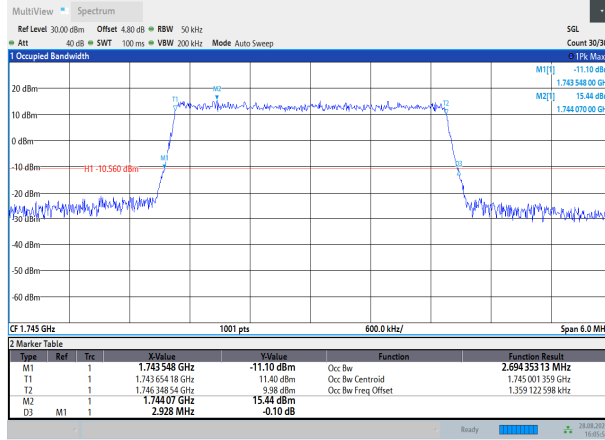
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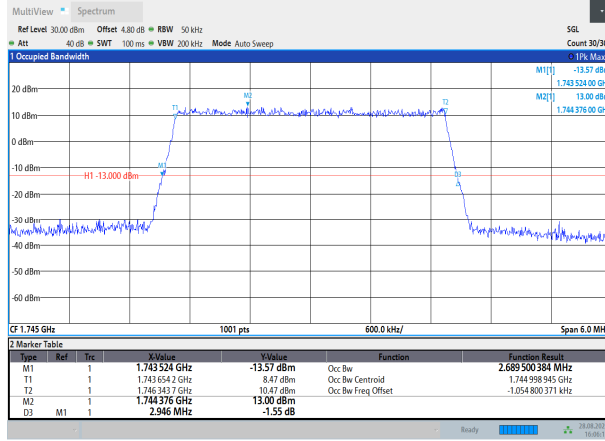
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**Band66-3MHz-64QAM-132322-15RB#0**



16:05:56 28.08.2023

**Band66-3MHz-256QAM-132322-15RB#0**



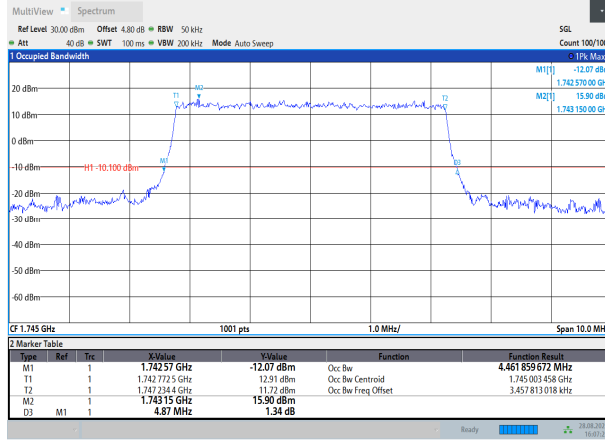
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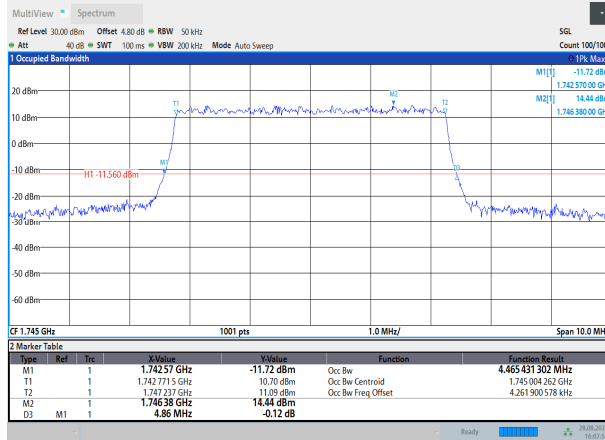
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Band66-5MHz-QPSK-132322-25RB#0



16:07:27 28.08.2023

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



16:07:52 28.08.2023

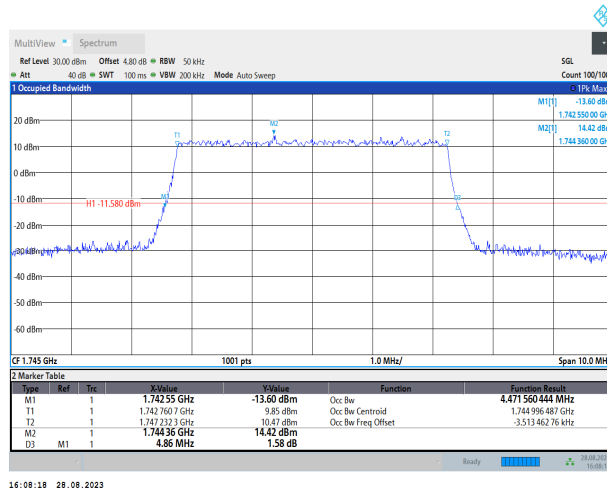


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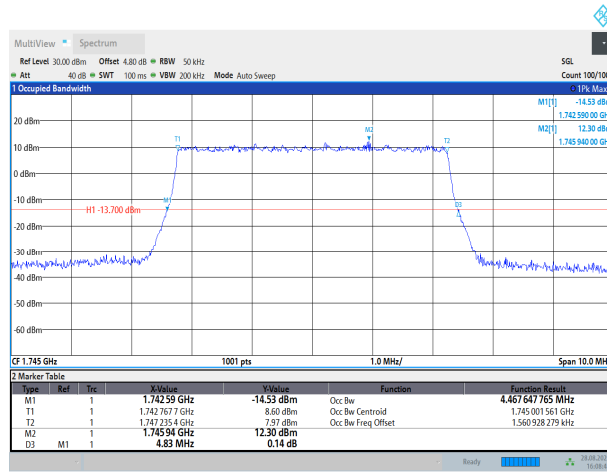


Band66-5MHz-64QAM-132322-25RB#0



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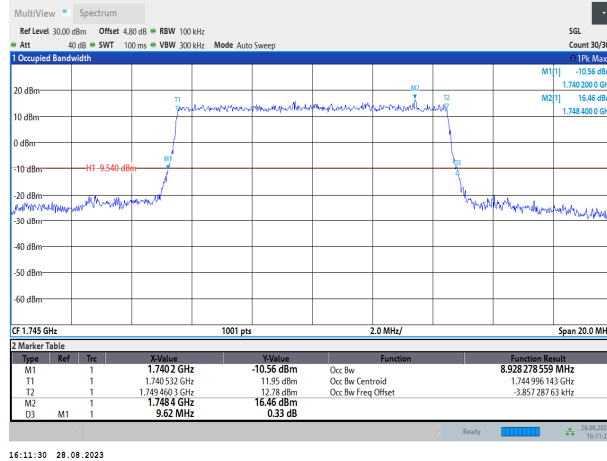
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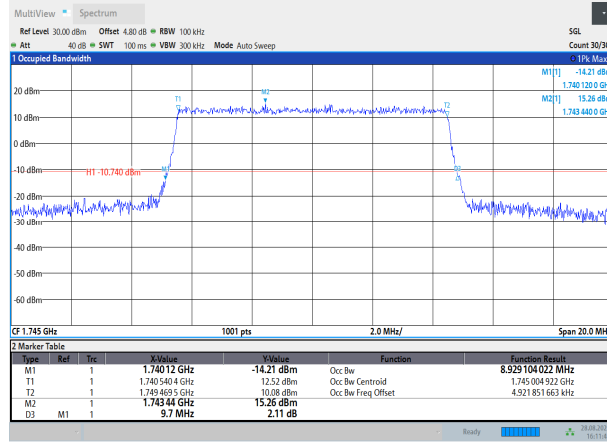
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Band66-10MHz-QPSK-132322-50RB#0



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



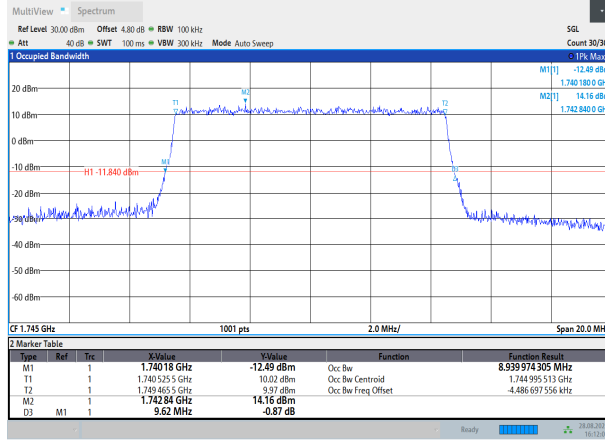
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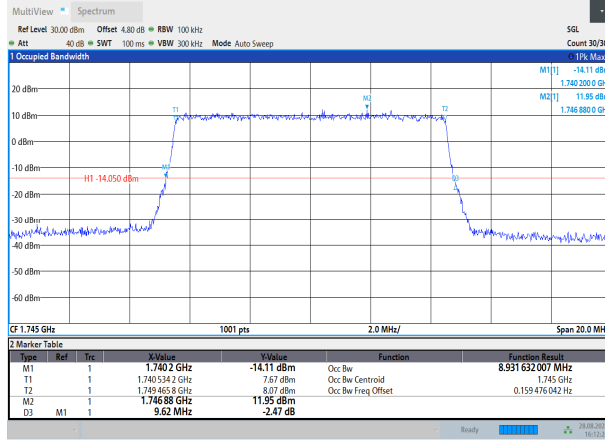
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Band66-10MHz-64QAM-132322-50RB#0



16:12:07 28.08.2023

Band66-10MHz-256QAM-132322-50RB#0



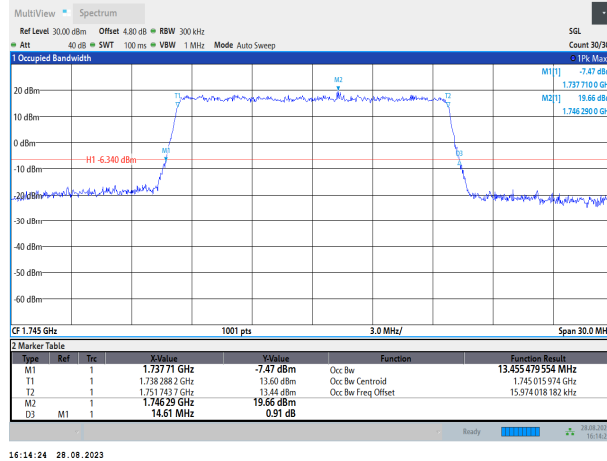
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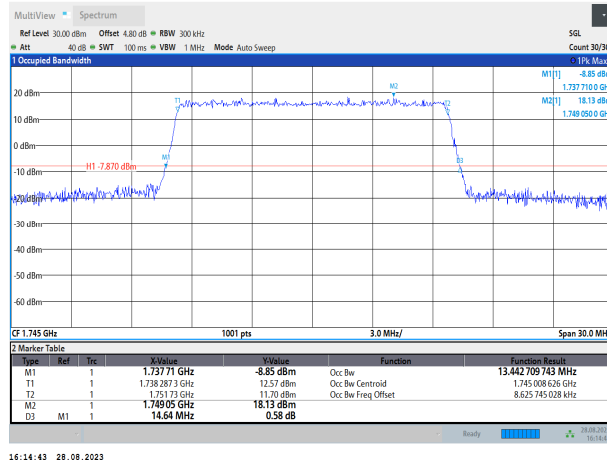
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Band66-15MHz-QPSK-132322-75RB#0



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



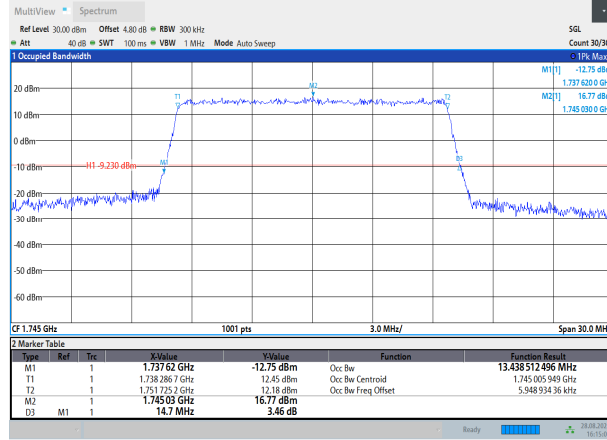
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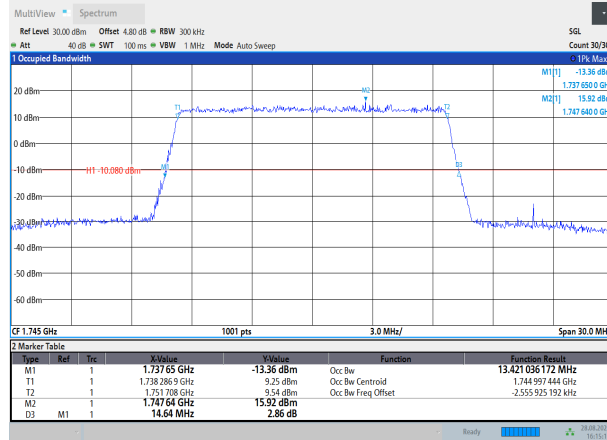
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Band66-15MHz-64QAM-132322-75RB#0



16:15:02 28.08.2023

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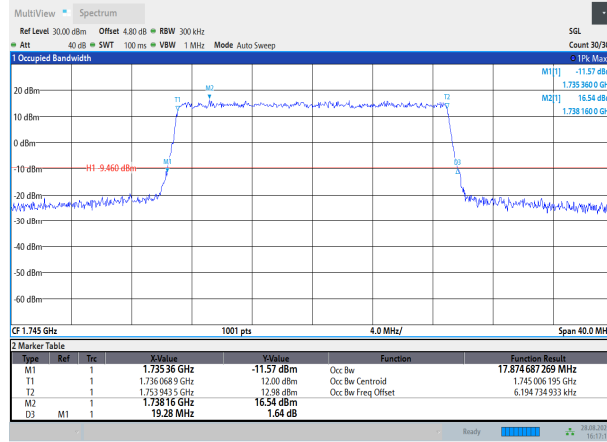
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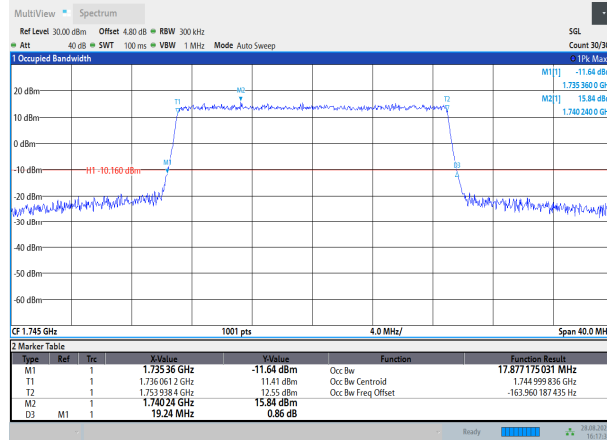
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Band66-20MHz-QPSK-132322-100RB#0



16:17:18 28.08.2023

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



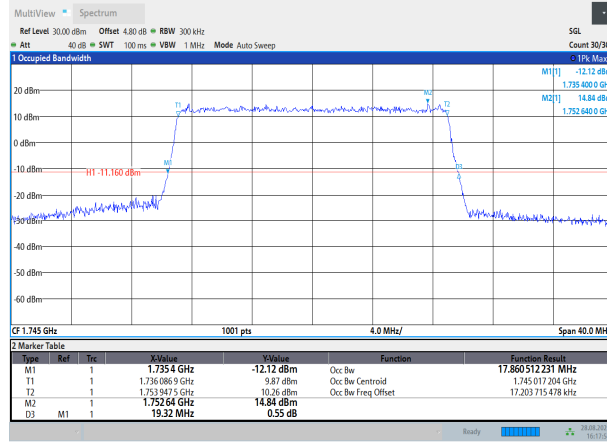
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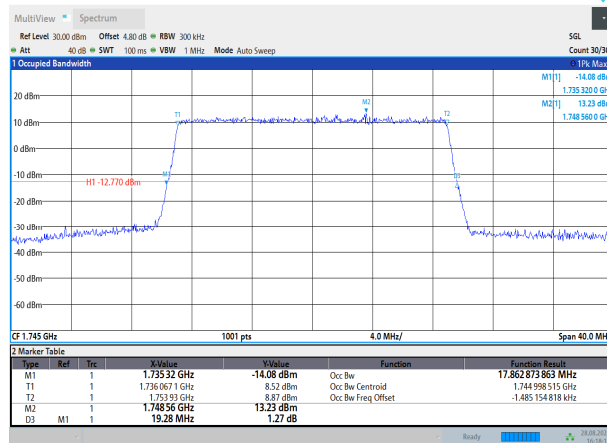
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Band66-20MHz-64QAM-132322-100RB#0



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Band66-20MHz-256QAM-132322-100RB#0



16:18:15 28.08.2023

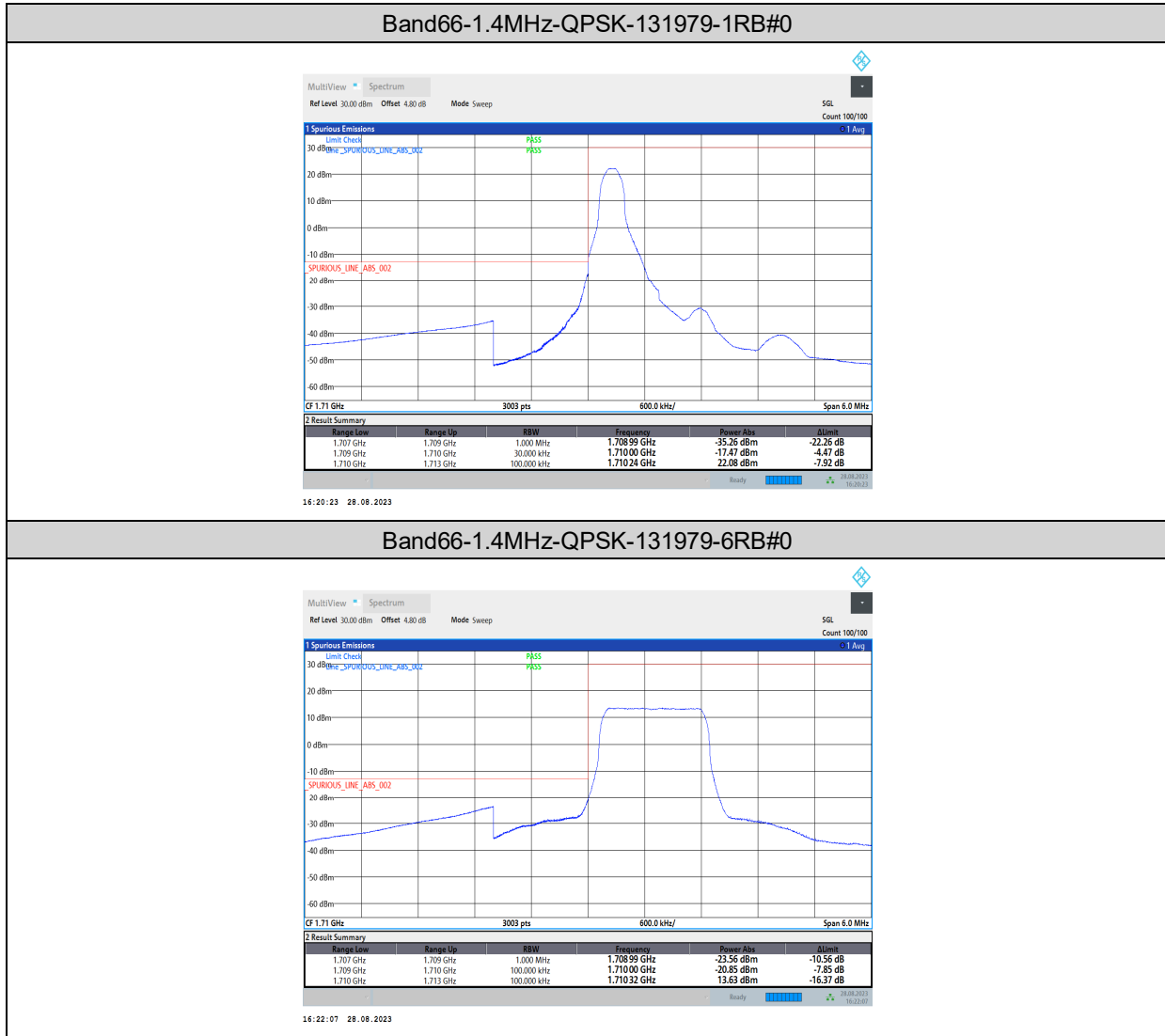


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## Band Edge

## Test Graphs



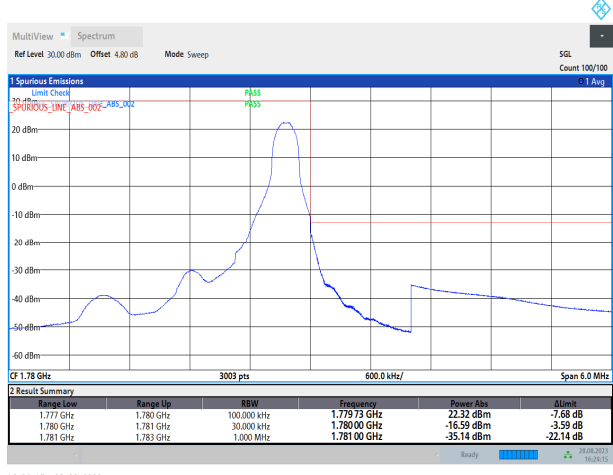
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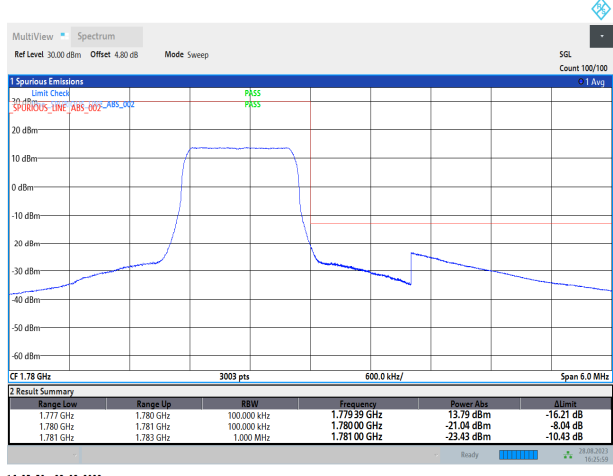


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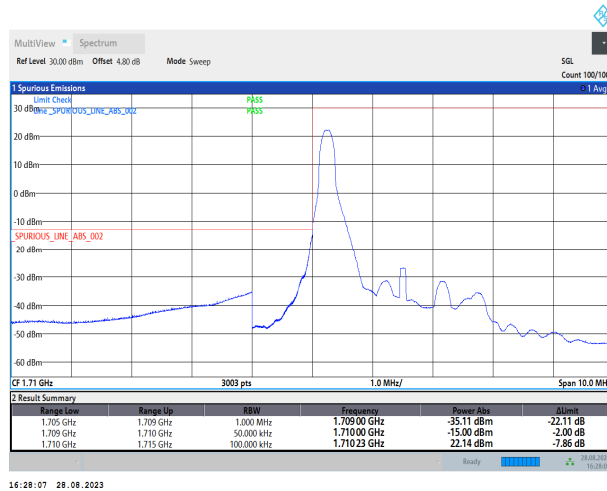
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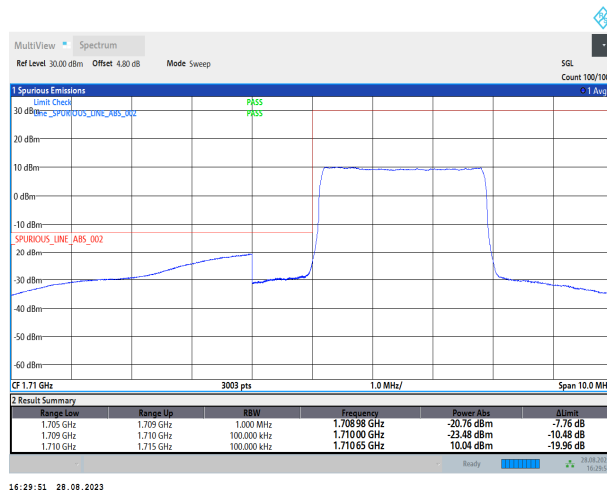
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Band66-3MHz-QPSK-131987-1RB#0



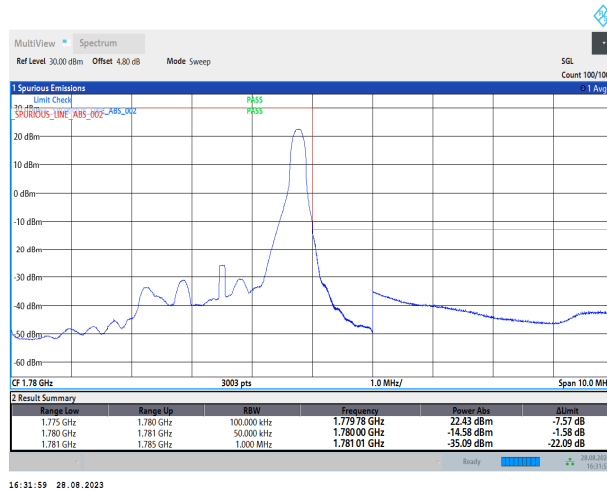
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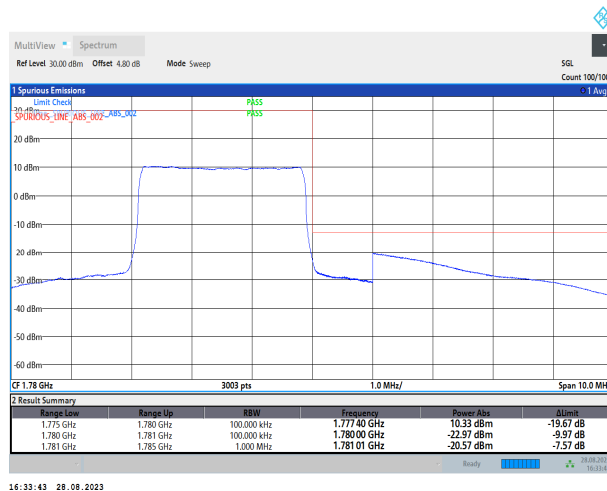
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Band66-3MHz-QPSK-132657-1RB#14



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



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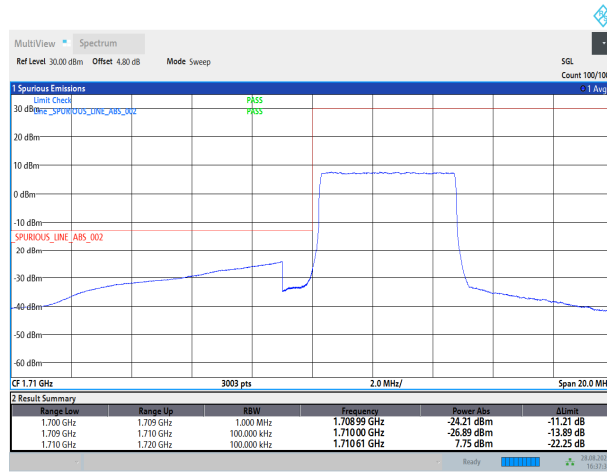
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Band66-5MHz-QPSK-131997-1RB#0



16:35:51 28.08.2023

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



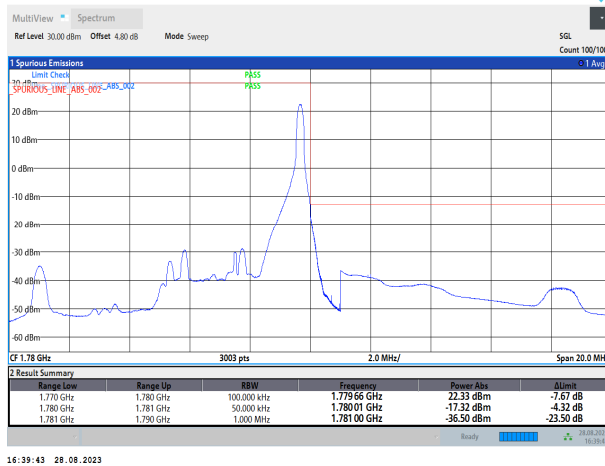
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Band66-5MHz-QPSK-132647-1RB#24



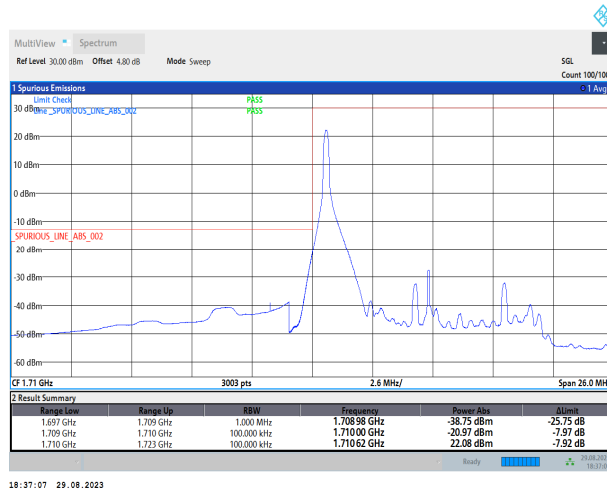
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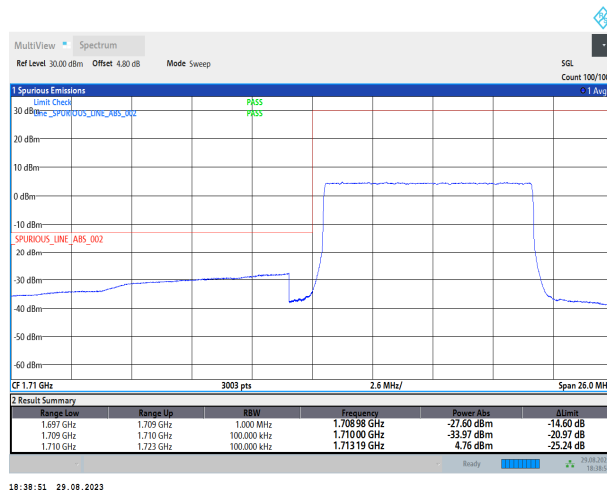
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Band66-10MHz-QPSK-132022-1RB#0



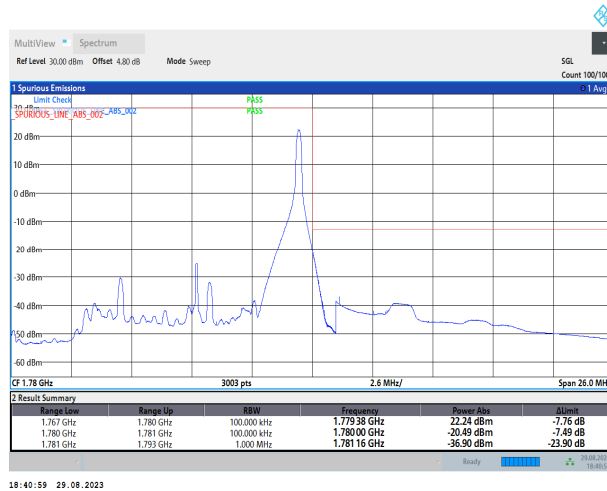
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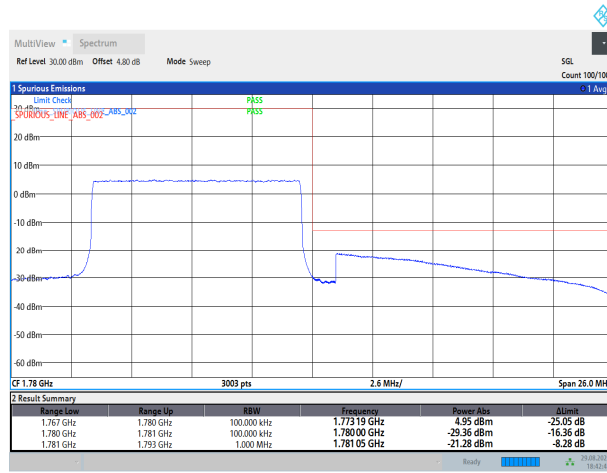
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Band66-10MHz-QPSK-132622-1RB#49



18:40:59 29.08.2023

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



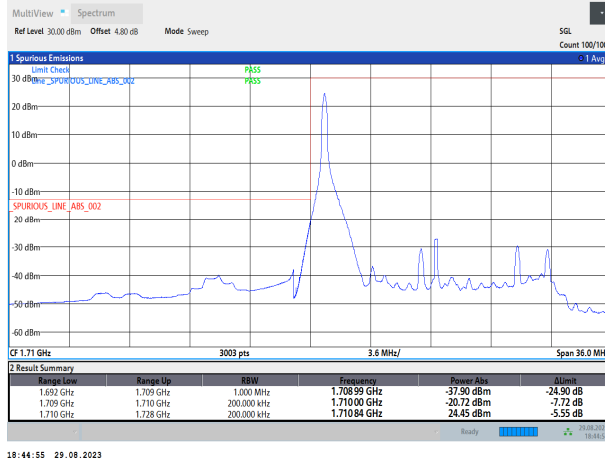
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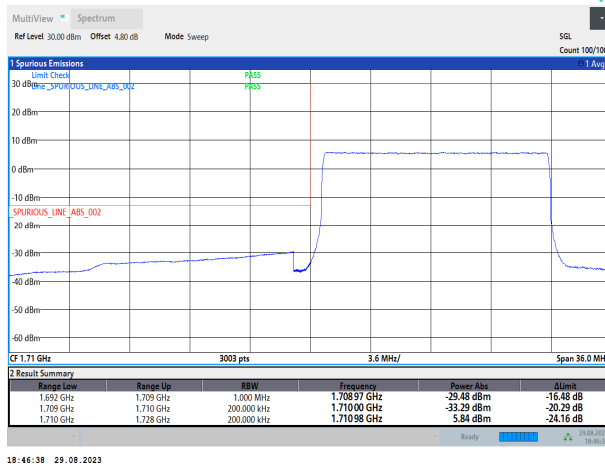
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Band66-15MHz-QPSK-132047-1RB#0



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

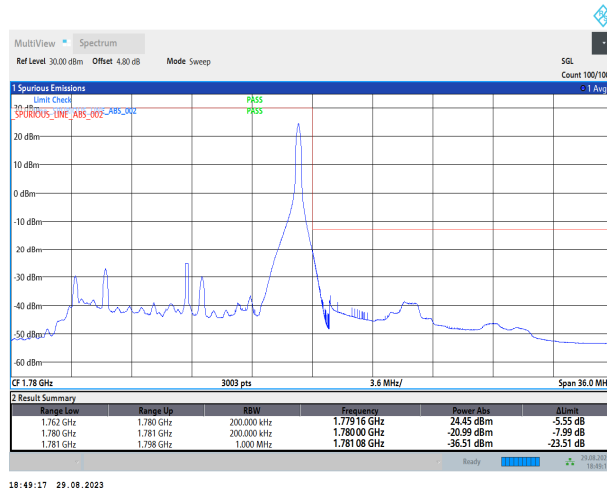


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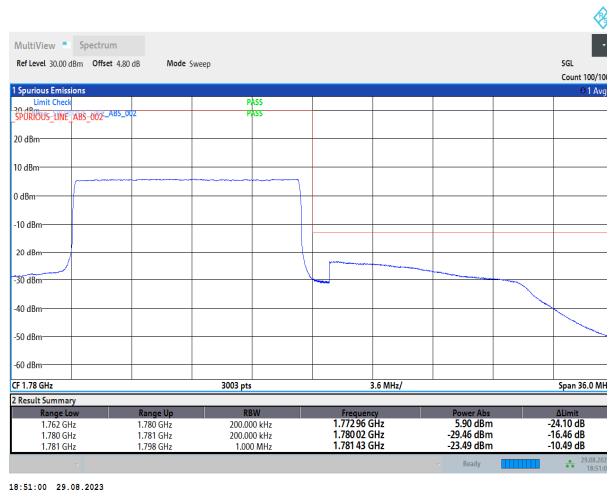
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Band66-15MHz-QPSK-132597-1RB#74



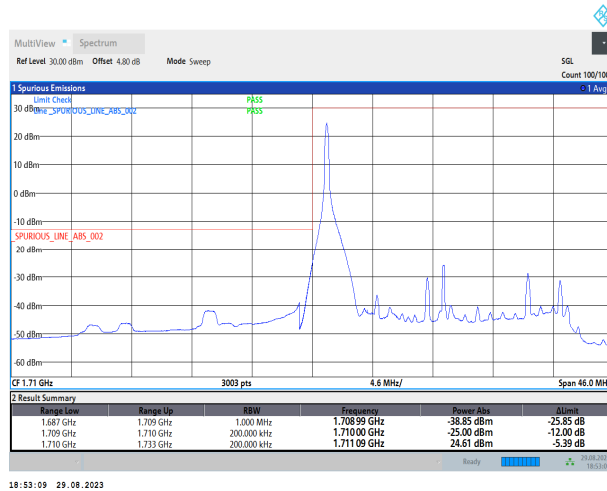
Band66-15MHz-QPSK-132597-75RB#0



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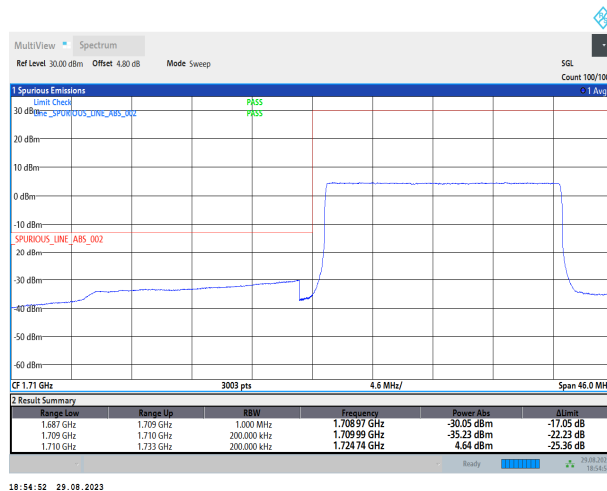
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Band66-20MHz-QPSK-132072-1RB#0



18:53:09 29.08.2023

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



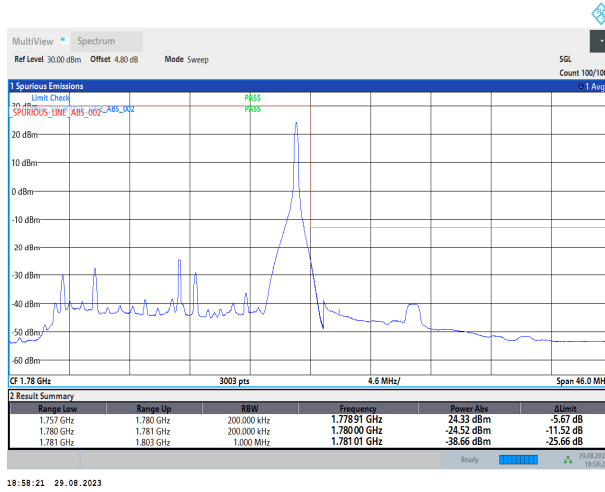
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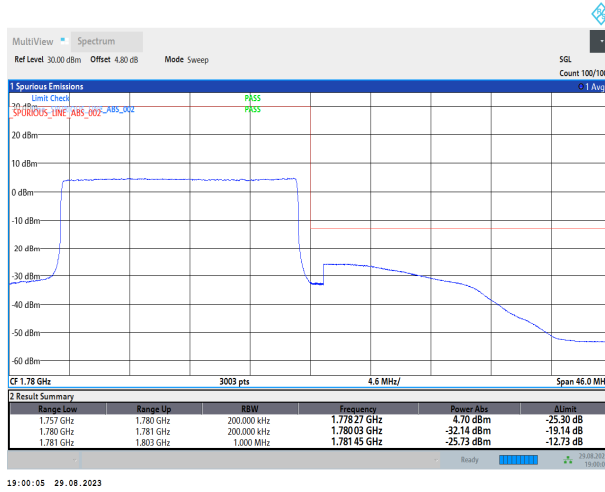
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Band66-20MHz-QPSK-132572-1RB#99



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



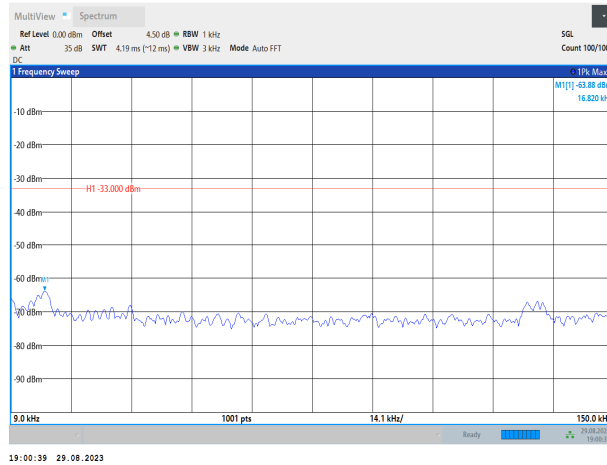
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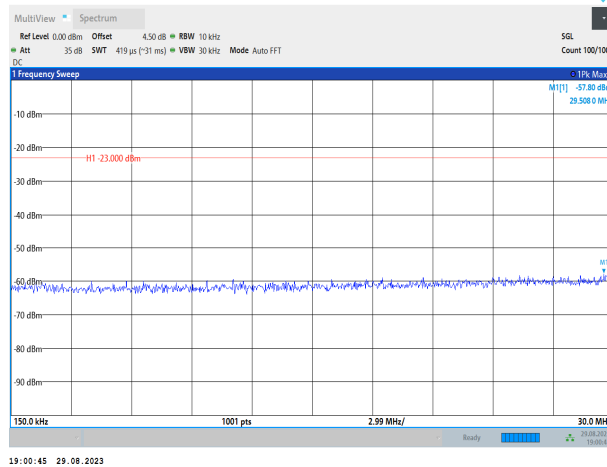
## Conducted Spurious Emission

### Test Graphs

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



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

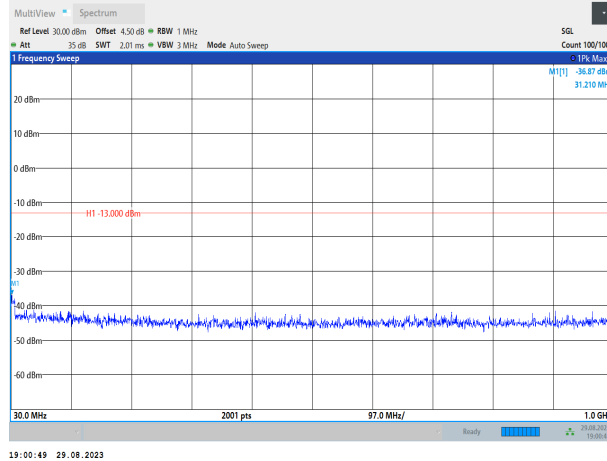


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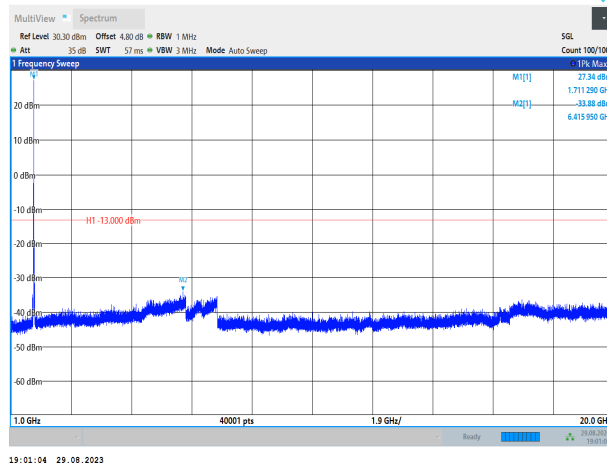
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Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



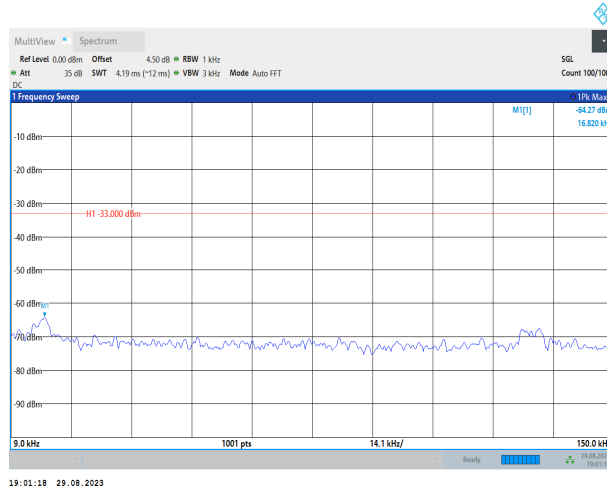
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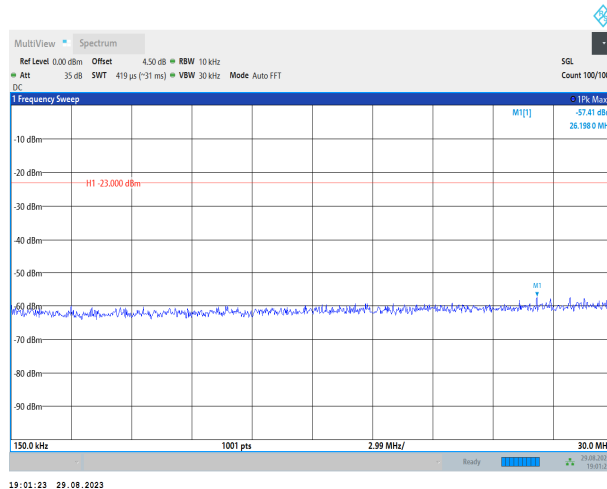
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Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



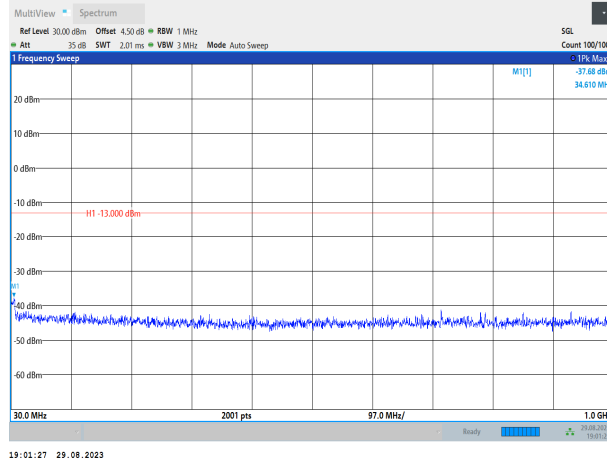
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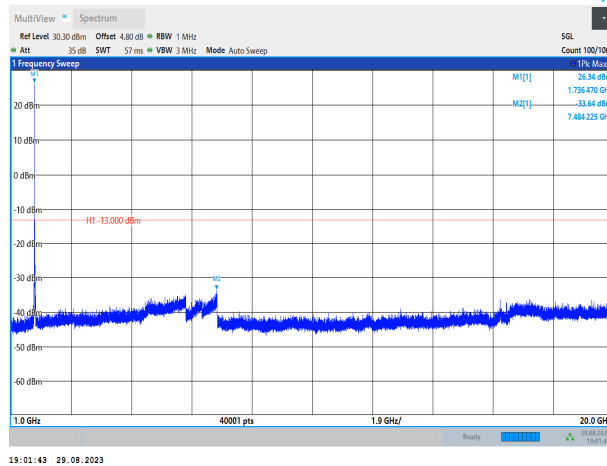
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Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



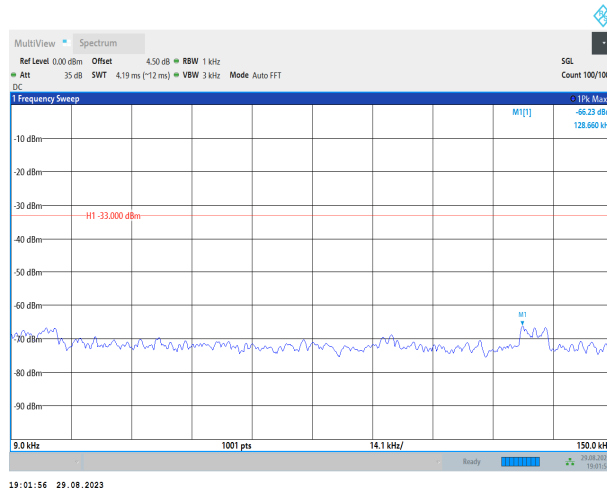
Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



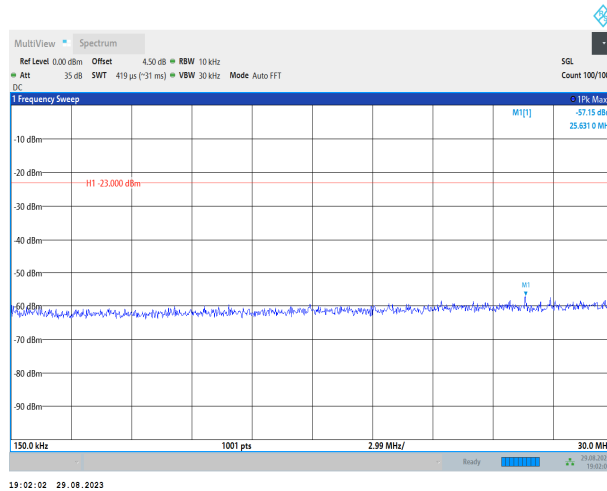
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Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



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

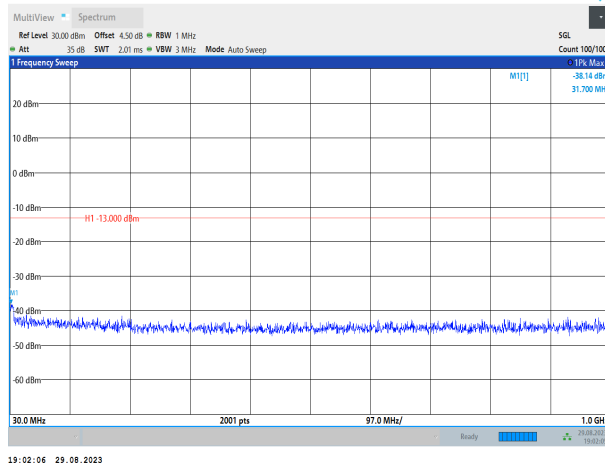


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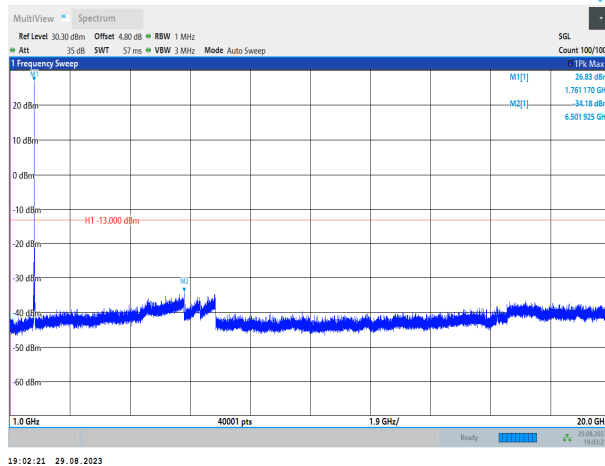
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Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



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



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## Field Strength of Spurious Radiation

Test Band = LTE Band66\_20MHz\_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.1800	42.00	-46.28	28.54	-71.00	-13.00	58.00	Horizontal
2	5106.2700	40.87	-45.36	31.66	-68.10	-13.00	55.10	Horizontal
3	6808.3600	40.29	-44.16	34.86	-64.28	-13.00	51.28	Horizontal
4	8510.4500	37.98	-41.59	36.54	-62.32	-13.00	49.32	Horizontal
5	10212.5400	34.49	-39.45	38.31	-61.91	-13.00	48.91	Horizontal
6	11914.6300	32.45	-37.18	38.79	-61.20	-13.00	48.20	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3404.1800	42.19	-46.28	28.54	-70.81	-13.00	57.81	Vertical
2	5106.2700	40.42	-45.36	31.66	-68.55	-13.00	55.55	Vertical
3	6808.3600	40.77	-44.16	34.86	-63.80	-13.00	50.80	Vertical
4	8510.4500	37.35	-41.59	36.54	-62.95	-13.00	49.95	Vertical
5	10212.5400	35.18	-39.45	38.31	-61.22	-13.00	48.22	Vertical
6	11914.6300	32.58	-37.18	38.79	-61.07	-13.00	48.07	Vertical



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

Test Band = LTE Band66\_20MHz\_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.1800	42.54	-46.27	28.57	-70.42	-13.00	57.42	Horizontal
2	5181.2700	40.57	-45.30	31.84	-68.15	-13.00	55.15	Horizontal
3	6908.3600	40.44	-44.05	35.04	-63.83	-13.00	50.83	Horizontal
4	8635.4500	37.61	-41.46	36.48	-62.63	-13.00	49.63	Horizontal
5	10362.5400	35.08	-39.04	38.38	-60.84	-13.00	47.84	Horizontal
6	12089.6300	33.17	-37.37	38.83	-60.63	-13.00	47.63	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3454.1800	42.48	-46.27	28.57	-70.48	-13.00	57.48	Vertical
2	5181.2700	40.64	-45.30	31.84	-68.08	-13.00	55.08	Vertical
3	6908.3600	40.01	-44.05	35.04	-64.26	-13.00	51.26	Vertical
4	8635.4500	37.63	-41.46	36.48	-62.61	-13.00	49.61	Vertical
5	10362.5400	34.28	-39.04	38.38	-61.64	-13.00	48.64	Vertical
6	12089.6300	32.88	-37.37	38.83	-60.92	-13.00	47.92	Vertical



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**Test Band = LTE Band66\_20MHz\_TM1**  
**Test Channel = High**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.1800	43.09	-46.25	28.60	-69.82	-13.00	56.82	Horizontal
2	5256.2700	40.98	-45.17	32.02	-67.44	-13.00	54.44	Horizontal
3	7008.3600	39.74	-43.61	35.22	-63.90	-13.00	50.90	Horizontal
4	8760.4500	37.62	-41.42	36.42	-62.64	-13.00	49.64	Horizontal
5	10512.5400	34.41	-38.76	38.46	-61.15	-13.00	48.15	Horizontal
6	12262.6300	32.79	-37.44	38.88	-61.03	-13.00	48.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3504.1800	42.41	-46.25	28.60	-70.50	-13.00	57.50	Vertical
2	5256.2700	41.01	-45.17	32.02	-67.41	-13.00	54.41	Vertical
3	7008.3600	39.68	-43.61	35.22	-63.96	-13.00	50.96	Vertical
4	8760.4500	37.68	-41.42	36.42	-62.58	-13.00	49.58	Vertical
5	10512.5400	34.53	-38.76	38.46	-61.03	-13.00	48.03	Vertical
6	12262.6300	32.77	-37.44	38.88	-61.05	-13.00	48.05	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	8.00	0.004585	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-1.90	-0.001089	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	8.70	0.004986	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	10.00	0.005731	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	0.00	0.000000	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	12.10	0.006934	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	1.40	0.000802	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	6.40	0.003668	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	5.10	0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-1.40	-0.000802	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	2.80	0.001605	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	11.30	0.006476	PASS

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