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# Appendix B.15

## 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	23.39	23.78	33	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.62	24.01	33	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.39	23.78	33	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.51	22.9	33	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.38	23.77	33	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.59	23.98	33	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.45	23.84	33	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.54	22.93	33	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.44	23.83	33	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.5	23.89	33	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.5	23.89	33	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.51	22.9	33	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.71	23.1	33	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.66	23.05	33	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.8	23.19	33	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.62	22.01	33	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.75	23.14	33	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.83	23.22	33	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.8	23.19	33	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.64	22.03	33	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.76	23.15	33	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.99	23.38	33	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.79	23.18	33	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.63	22.02	33	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	21.51	21.9	33	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	21.56	21.95	33	PASS
Band66	1.4MHz	64QAM	131979	1RB#5	21.46	21.85	33	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	20.41	20.8	33	PASS



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Band66	1.4MHz	64QAM	132322	1RB#0	21.66	22.05	33	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	21.87	22.26	33	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	21.63	22.02	33	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.52	20.91	33	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	21.31	21.7	33	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	21.25	21.64	33	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	21.04	21.43	33	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	20.17	20.56	33	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.42	23.81	33	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.56	23.95	33	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.5	23.89	33	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.54	22.93	33	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.42	23.81	33	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.53	23.92	33	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.52	23.91	33	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.61	23	33	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.51	23.9	33	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.67	24.06	33	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.52	23.91	33	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.56	22.95	33	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.9	23.29	33	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.95	23.34	33	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.71	23.1	33	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.63	22.02	33	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.67	23.06	33	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.93	23.32	33	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.86	23.25	33	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.69	22.08	33	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.86	23.25	33	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.82	23.21	33	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.8	23.19	33	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.56	21.95	33	PASS
Band66	3MHz	64QAM	131987	1RB#0	21.44	21.83	33	PASS



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Band66	3MHz	64QAM	131987	1RB#14	21.67	22.06	33	PASS
Band66	3MHz	64QAM	131987	15RB#0	20.55	20.94	33	PASS
Band66	3MHz	64QAM	132322	1RB#0	21.58	21.97	33	PASS
Band66	3MHz	64QAM	132322	1RB#8	21.87	22.26	33	PASS
Band66	3MHz	64QAM	132322	1RB#14	21.72	22.11	33	PASS
Band66	3MHz	64QAM	132322	15RB#0	20.62	21.01	33	PASS
Band66	3MHz	64QAM	132657	1RB#0	21.51	21.9	33	PASS
Band66	3MHz	64QAM	132657	1RB#8	21.58	21.97	33	PASS
Band66	3MHz	64QAM	132657	1RB#14	21.25	21.64	33	PASS
Band66	3MHz	64QAM	132657	15RB#0	20.28	20.67	33	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.48	23.87	33	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.58	23.97	33	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.5	23.89	33	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.57	22.96	33	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.43	23.82	33	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.52	23.91	33	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.46	23.85	33	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.61	23	33	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.52	23.91	33	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.64	24.03	33	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.53	23.92	33	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.62	23.01	33	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.85	23.24	33	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.74	23.13	33	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.82	23.21	33	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.61	22	33	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.8	23.19	33	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.82	23.21	33	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.74	23.13	33	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.67	22.06	33	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.86	23.25	33	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.94	23.33	33	PASS



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Band66	5MHz	16QAM	132647	1RB#24	22.87	23.26	33	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.65	22.04	33	PASS
Band66	5MHz	64QAM	131997	1RB#0	21.43	21.82	33	PASS
Band66	5MHz	64QAM	131997	1RB#12	21.72	22.11	33	PASS
Band66	5MHz	64QAM	131997	1RB#24	21.82	22.21	33	PASS
Band66	5MHz	64QAM	131997	25RB#0	20.59	20.98	33	PASS
Band66	5MHz	64QAM	132322	1RB#0	21.72	22.11	33	PASS
Band66	5MHz	64QAM	132322	1RB#12	21.74	22.13	33	PASS
Band66	5MHz	64QAM	132322	1RB#24	21.79	22.18	33	PASS
Band66	5MHz	64QAM	132322	25RB#0	20.7	21.09	33	PASS
Band66	5MHz	64QAM	132647	1RB#0	21.44	21.83	33	PASS
Band66	5MHz	64QAM	132647	1RB#12	21.49	21.88	33	PASS
Band66	5MHz	64QAM	132647	1RB#24	21.15	21.54	33	PASS
Band66	5MHz	64QAM	132647	25RB#0	20.32	20.71	33	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.52	23.91	33	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.5	23.89	33	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.64	24.03	33	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.71	23.1	33	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.41	23.8	33	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.41	23.8	33	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.63	24.02	33	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.62	23.01	33	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.49	23.88	33	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.48	23.87	33	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.58	23.97	33	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.68	23.07	33	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.68	23.07	33	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.86	23.25	33	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.78	23.17	33	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.6	21.99	33	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.82	23.21	33	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.74	23.13	33	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.88	23.27	33	PASS



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Band66	10MHz	16QAM	132622	1RB#0	22.91	23.3	33	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.97	23.36	33	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.91	23.3	33	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.65	22.04	33	PASS
Band66	10MHz	64QAM	132022	1RB#0	21.08	21.47	33	PASS
Band66	10MHz	64QAM	132022	1RB#24	21.77	22.16	33	PASS
Band66	10MHz	64QAM	132022	1RB#49	21.67	22.06	33	PASS
Band66	10MHz	64QAM	132022	50RB#0	20.66	21.05	33	PASS
Band66	10MHz	64QAM	132322	1RB#0	21.71	22.1	33	PASS
Band66	10MHz	64QAM	132322	1RB#24	21.68	22.07	33	PASS
Band66	10MHz	64QAM	132322	1RB#49	21.78	22.17	33	PASS
Band66	10MHz	64QAM	132322	50RB#0	20.66	21.05	33	PASS
Band66	10MHz	64QAM	132622	1RB#0	20.93	21.32	33	PASS
Band66	10MHz	64QAM	132622	1RB#24	21.48	21.87	33	PASS
Band66	10MHz	64QAM	132622	1RB#49	21.23	21.62	33	PASS
Band66	10MHz	64QAM	132622	50RB#0	20.28	20.67	33	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.36	23.75	33	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.48	23.87	33	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.53	23.92	33	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.65	23.04	33	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.37	23.76	33	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.5	23.89	33	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.53	23.92	33	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.6	22.99	33	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.47	23.86	33	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.49	23.88	33	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.62	24.01	33	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.68	23.07	33	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.79	23.18	33	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.84	23.23	33	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.88	23.27	33	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.66	22.05	33	PASS



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Band66	15MHz	16QAM	132322	1RB#0	22.76	23.15	33	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.86	23.25	33	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.71	23.1	33	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.66	22.05	33	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.68	23.07	33	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.85	23.24	33	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.91	23.3	33	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.64	22.03	33	PASS
Band66	15MHz	64QAM	132047	1RB#0	21.53	21.92	33	PASS
Band66	15MHz	64QAM	132047	1RB#38	21.67	22.06	33	PASS
Band66	15MHz	64QAM	132047	1RB#74	21.77	22.16	33	PASS
Band66	15MHz	64QAM	132047	75RB#0	20.69	21.08	33	PASS
Band66	15MHz	64QAM	132322	1RB#0	21.59	21.98	33	PASS
Band66	15MHz	64QAM	132322	1RB#38	21.68	22.07	33	PASS
Band66	15MHz	64QAM	132322	1RB#74	21.76	22.15	33	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.61	21	33	PASS
Band66	15MHz	64QAM	132597	1RB#0	21.06	21.45	33	PASS
Band66	15MHz	64QAM	132597	1RB#38	21.36	21.75	33	PASS
Band66	15MHz	64QAM	132597	1RB#74	21.5	21.89	33	PASS
Band66	15MHz	64QAM	132597	75RB#0	20.27	20.66	33	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.4	23.79	33	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.52	23.91	33	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.51	23.9	33	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.56	22.95	33	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.48	23.87	33	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.48	23.87	33	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.46	23.85	33	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.63	23.02	33	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.43	23.82	33	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.54	23.93	33	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.54	23.93	33	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.63	23.02	33	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.77	23.16	33	PASS



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Band66	20MHz	16QAM	132072	1RB#49	22.81	23.2	33	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.92	23.31	33	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.61	22	33	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.75	23.14	33	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.85	23.24	33	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.99	23.38	33	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.7	22.09	33	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.72	23.11	33	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.91	23.3	33	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.84	23.23	33	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.65	22.04	33	PASS
Band66	20MHz	64QAM	132072	1RB#0	21.22	21.61	33	PASS
Band66	20MHz	64QAM	132072	1RB#49	21.68	22.07	33	PASS
Band66	20MHz	64QAM	132072	1RB#99	21.54	21.93	33	PASS
Band66	20MHz	64QAM	132072	100RB#0	20.63	21.02	33	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.13	21.52	33	PASS
Band66	20MHz	64QAM	132322	1RB#49	21.59	21.98	33	PASS
Band66	20MHz	64QAM	132322	1RB#99	21.73	22.12	33	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.64	21.03	33	PASS
Band66	20MHz	64QAM	132572	1RB#0	21.56	21.95	33	PASS
Band66	20MHz	64QAM	132572	1RB#49	21.02	21.41	33	PASS
Band66	20MHz	64QAM	132572	1RB#99	21.73	22.12	33	PASS
Band66	20MHz	64QAM	132572	100RB#0	20.15	20.54	33	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	5.20	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.26	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.18	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.10	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.06	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.02	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.64	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.56	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.60	13	PASS



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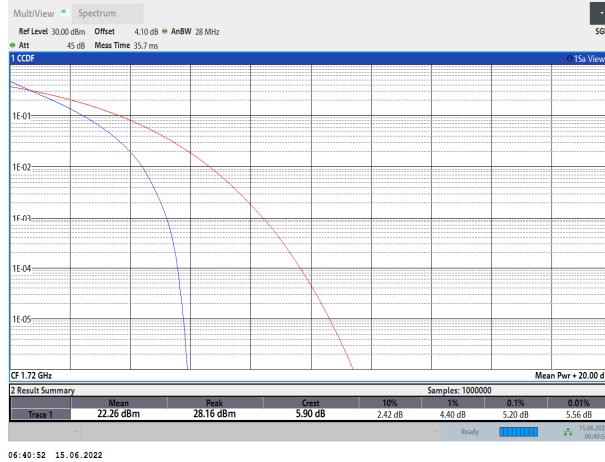
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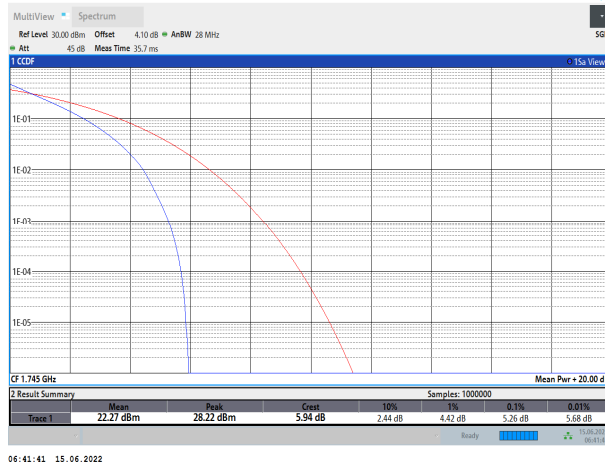


## Test Graphs

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



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



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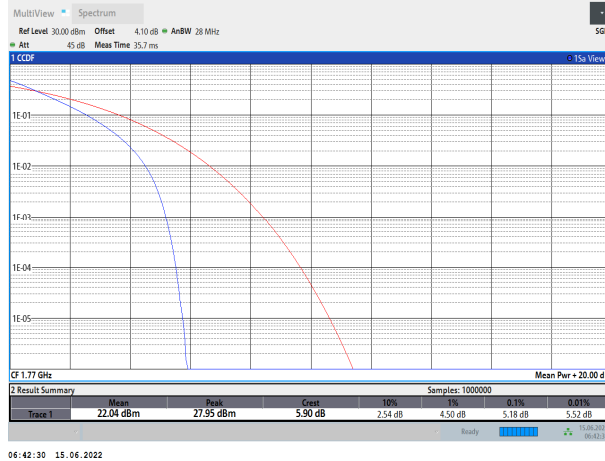


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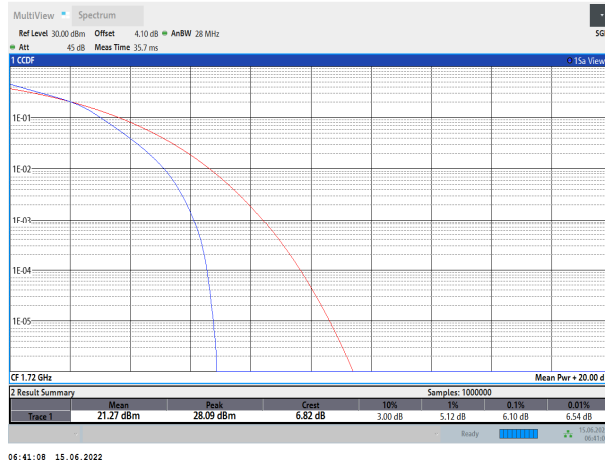
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Band66-20MHz-QPSK-132572-100RB#0



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



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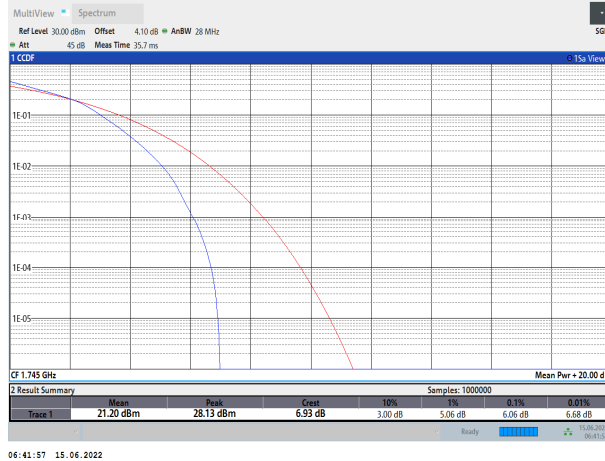


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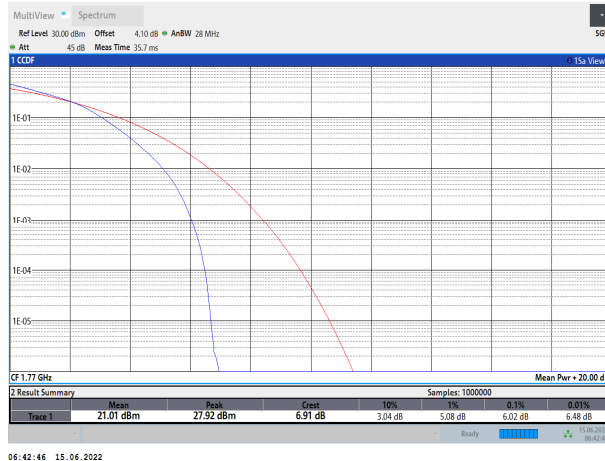
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Band66-20MHz-16QAM-132322-100RB#0



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



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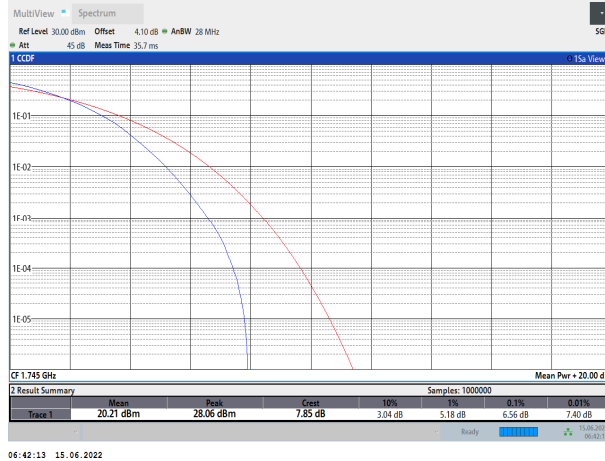
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Band66-20MHz-64QAM-132322-100RB#0



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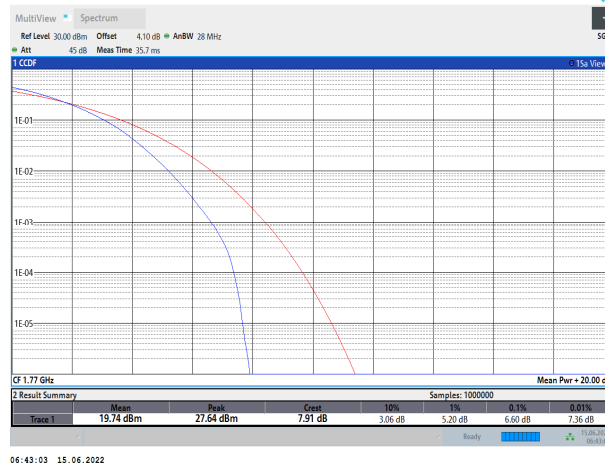


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## Modulation Characteristics

### 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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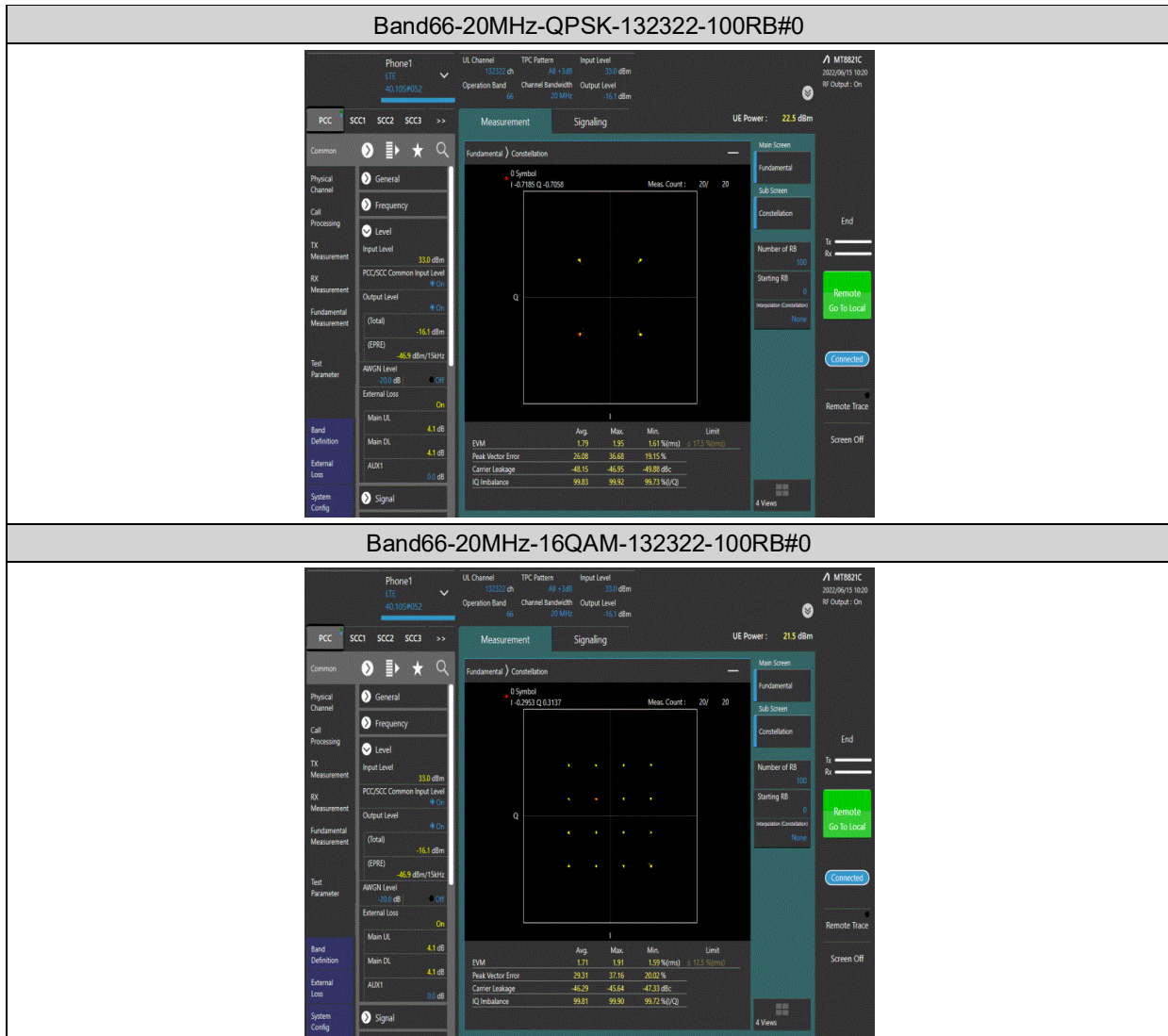
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### Test Graphs



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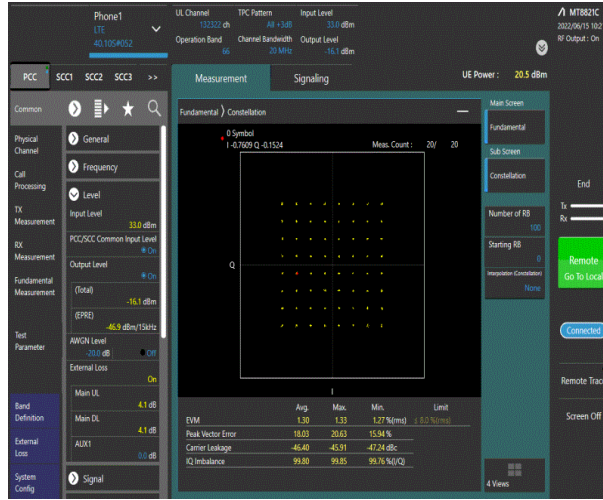


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Band66-20MHz-64QAM-132322-100RB#0



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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	1.085	1.23	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.084	1.23	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.087	1.23	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.093	1.24	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.23	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.090	1.24	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.090	1.23	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.092	1.24	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.091	1.23	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.693	2.98	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.691	2.98	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.694	2.96	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.99	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.688	2.99	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.688	3.00	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.687	2.98	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.689	2.96	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.689	2.96	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.464	4.88	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.468	4.88	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.468	4.90	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.464	4.89	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.465	4.90	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.467	4.90	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.477	4.90	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.476	4.91	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.472	4.89	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.930	9.66	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.930	9.64	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.914	9.66	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.906	9.58	PASS



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Band66	10MHz	16QAM	132322	50RB#0	8.901	9.62	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.904	9.60	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.919	9.68	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.921	9.60	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.925	9.64	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.451	14.79	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.468	14.73	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.476	14.73	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.434	14.67	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.440	14.79	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.437	14.76	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.423	14.73	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.435	16.08	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.436	14.82	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.889	19.52	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.917	19.56	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.942	19.40	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.851	19.40	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.893	19.40	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.881	19.44	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.840	19.56	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.877	19.40	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.871	19.44	PASS



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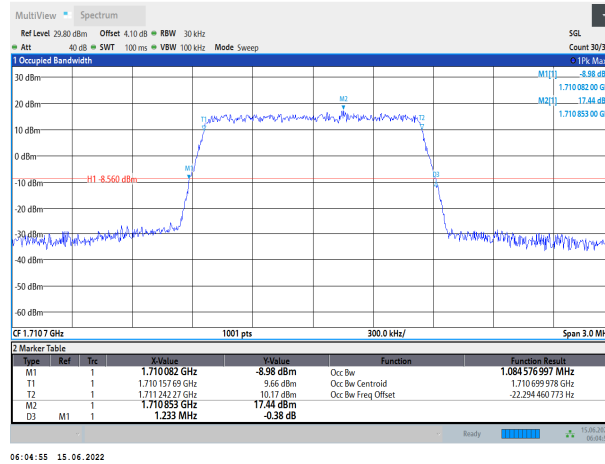
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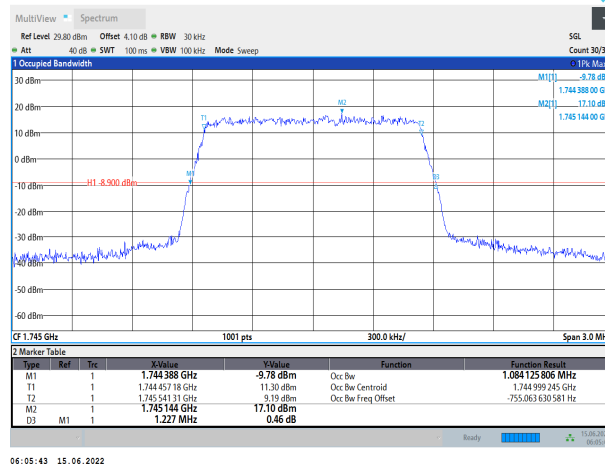
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### Test Graphs

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



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



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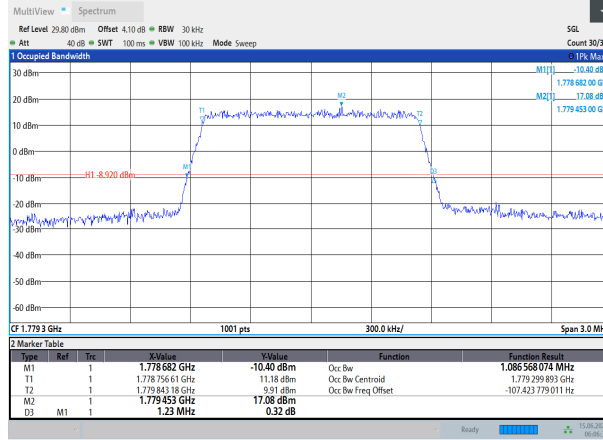


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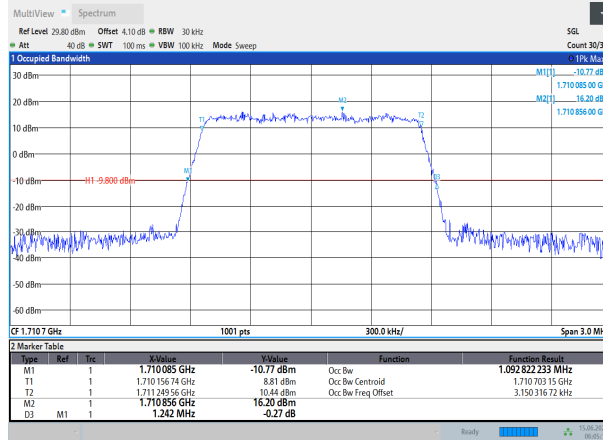
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Band66-1.4MHz-QPSK-132665-6RB#0



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



06:05:11 15.06.2022



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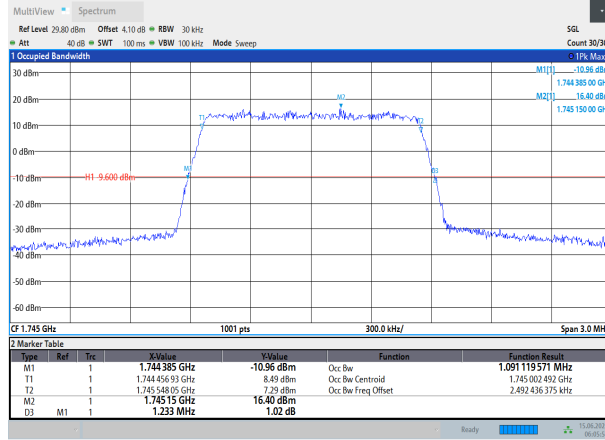
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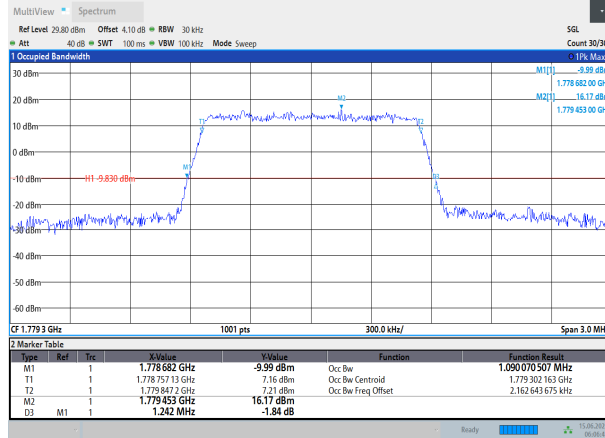


Band66-1.4MHz-16QAM-132322-6RB#0



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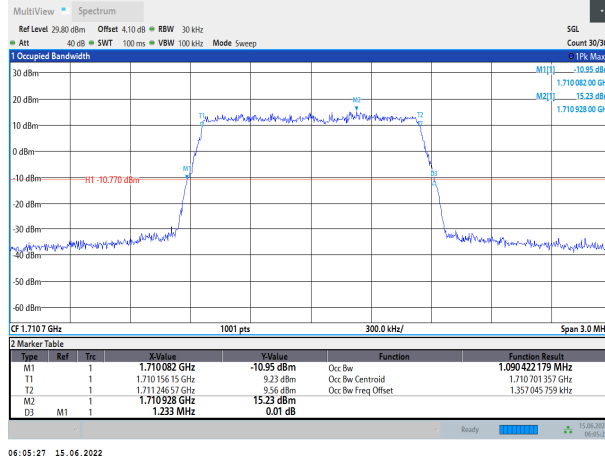
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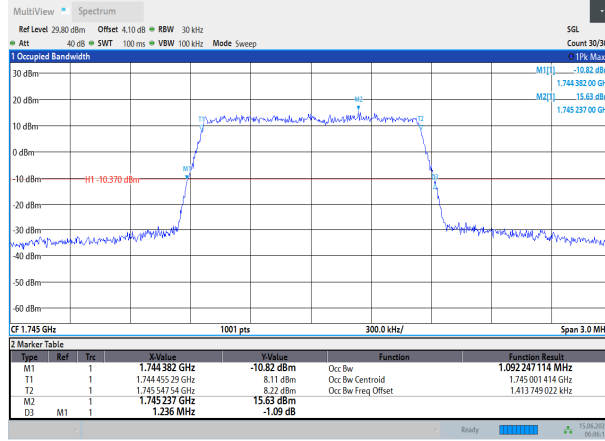


Band66-1.4MHz-64QAM-131979-6RB#0



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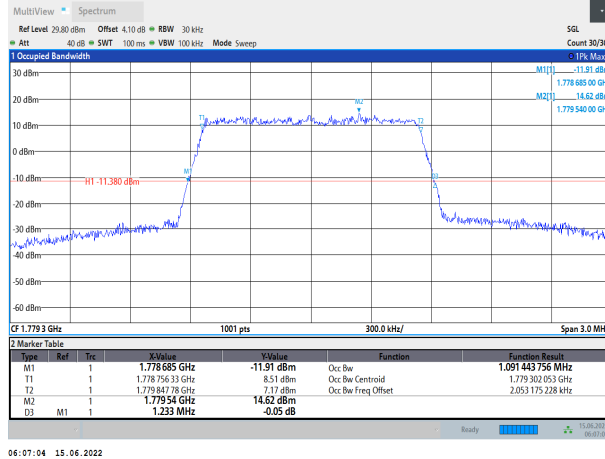


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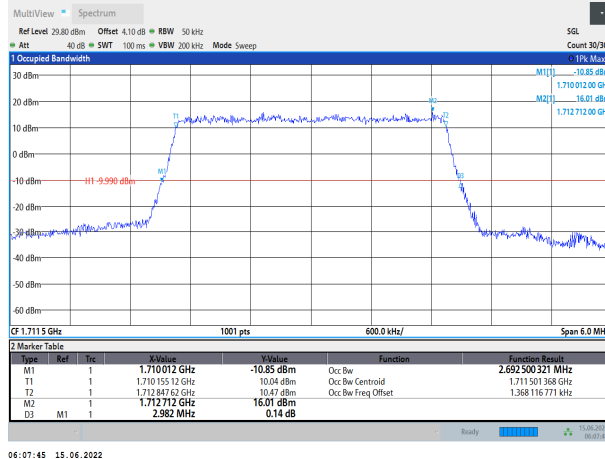
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Band66-1.4MHz-64QAM-132665-6RB#0



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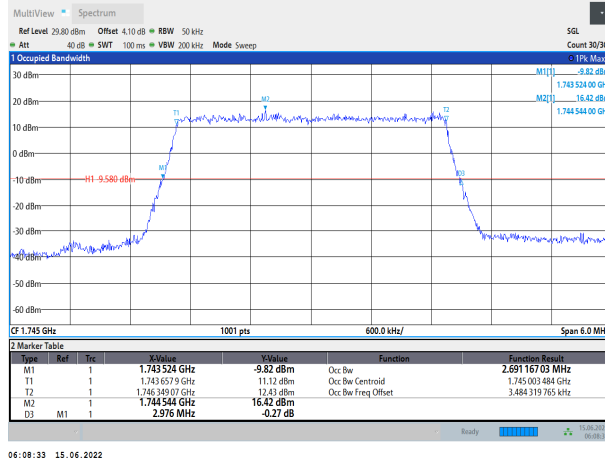


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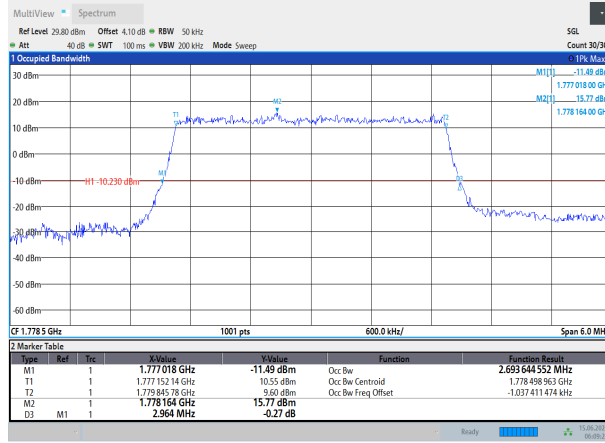
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Band66-3MHz-QPSK-132322-15RB#0



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



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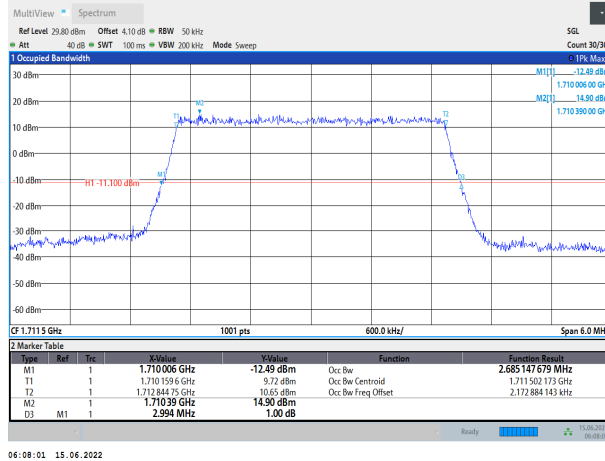


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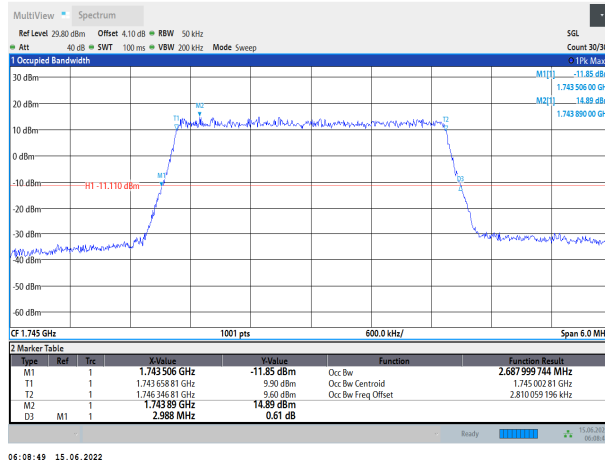
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Band66-3MHz-16QAM-131987-15RB#0



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



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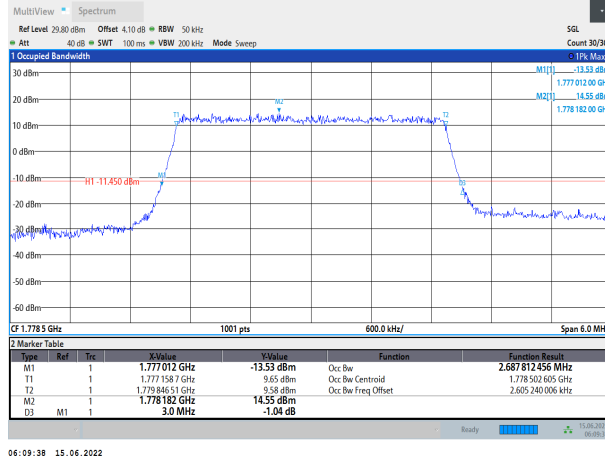
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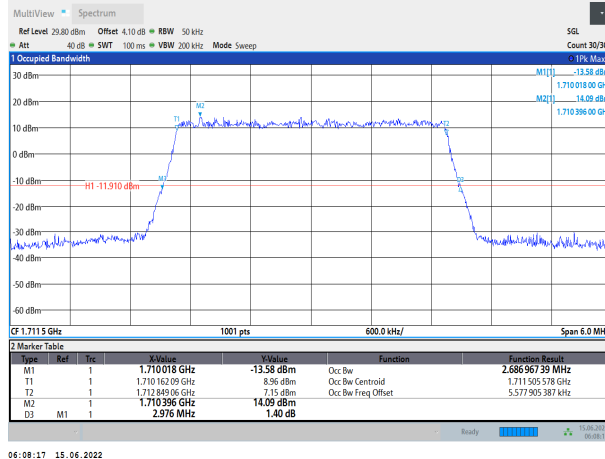
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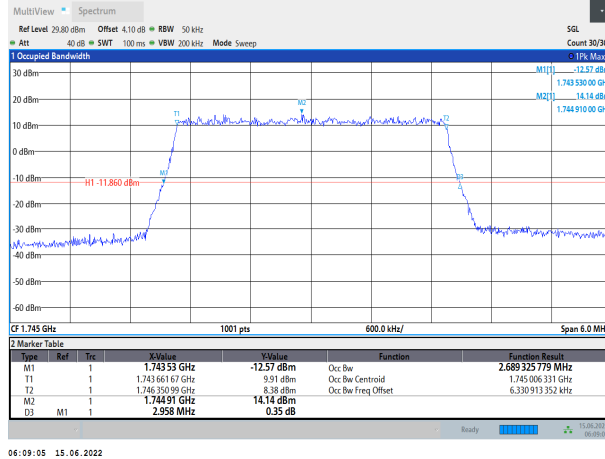
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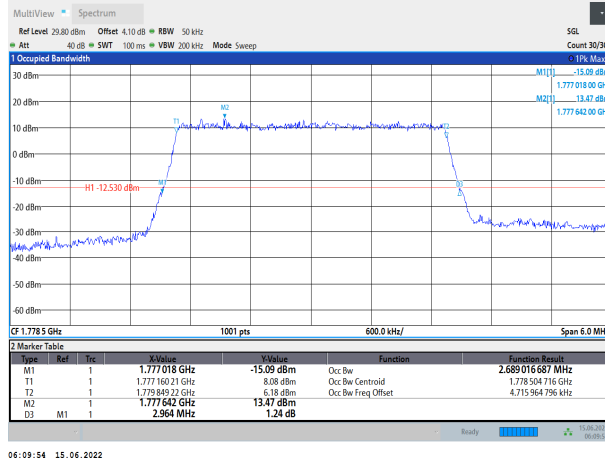
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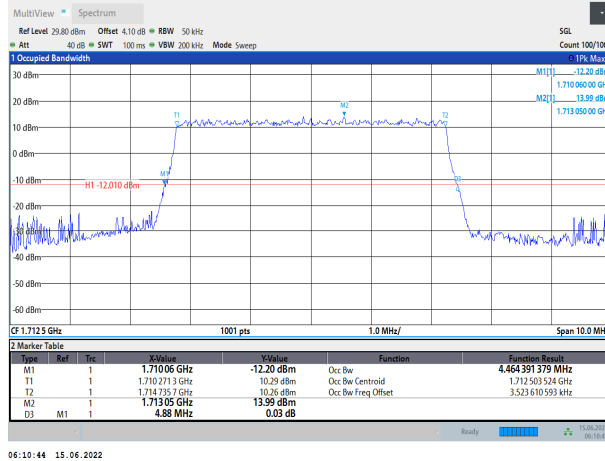
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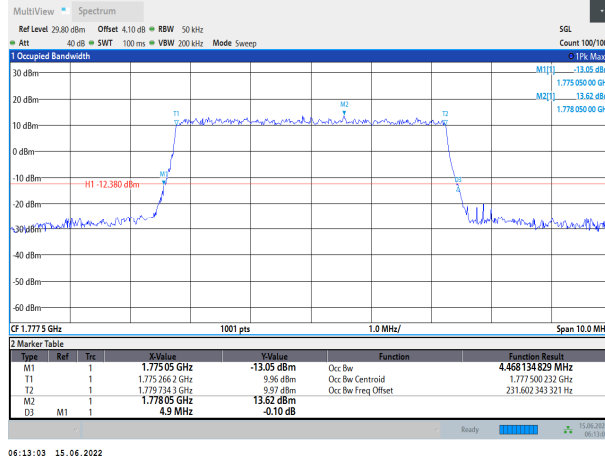
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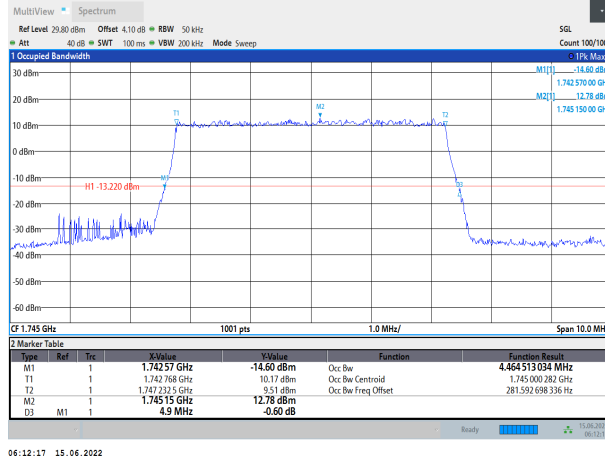
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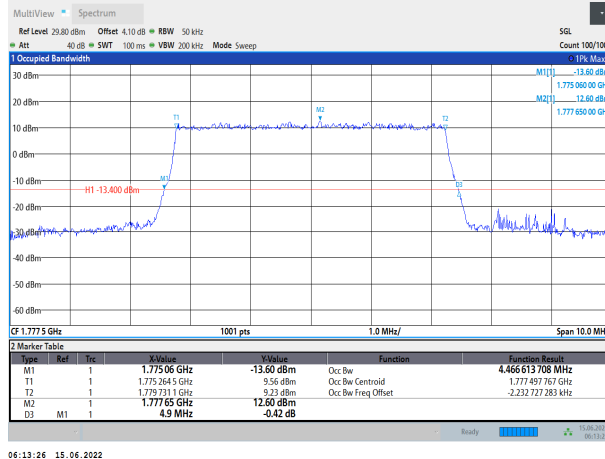
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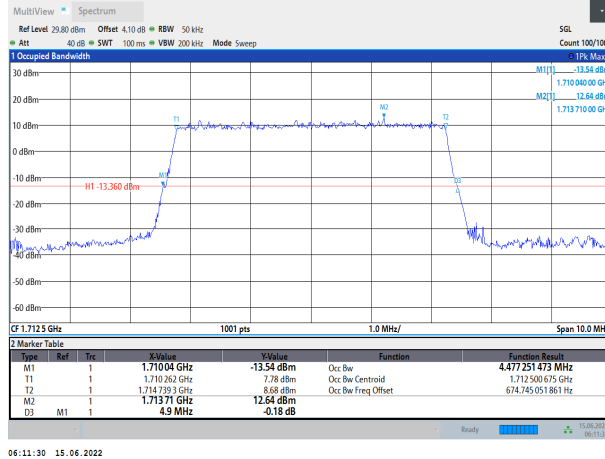


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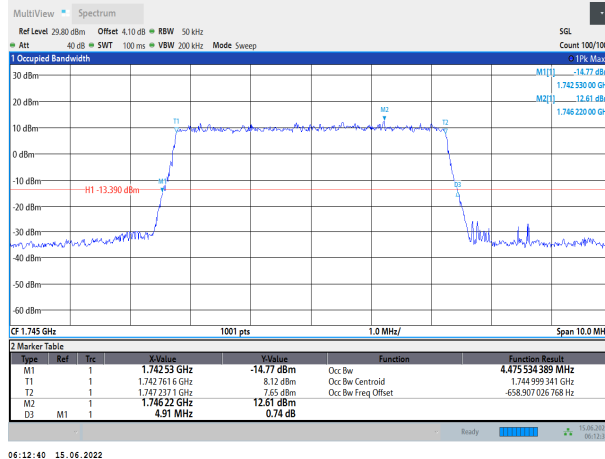
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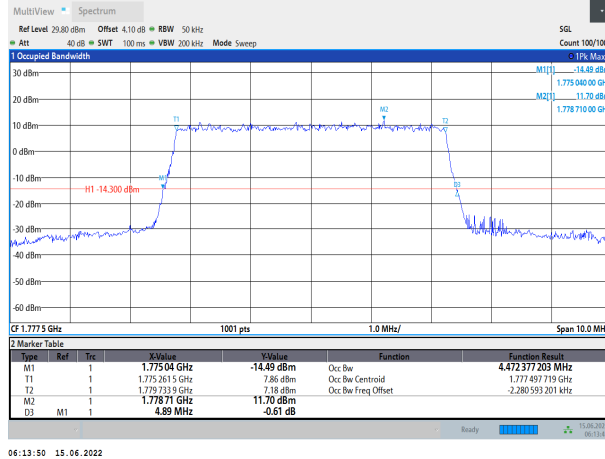
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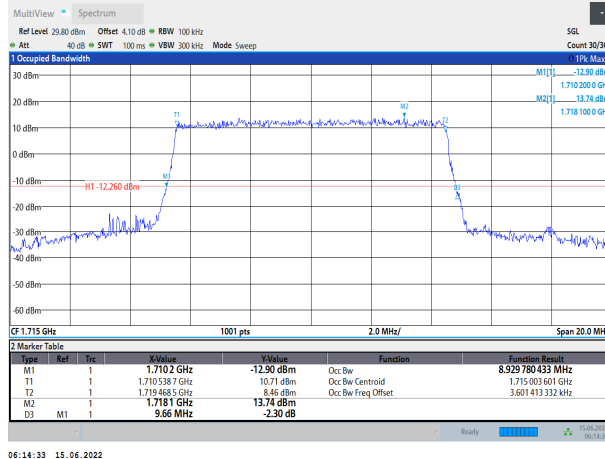
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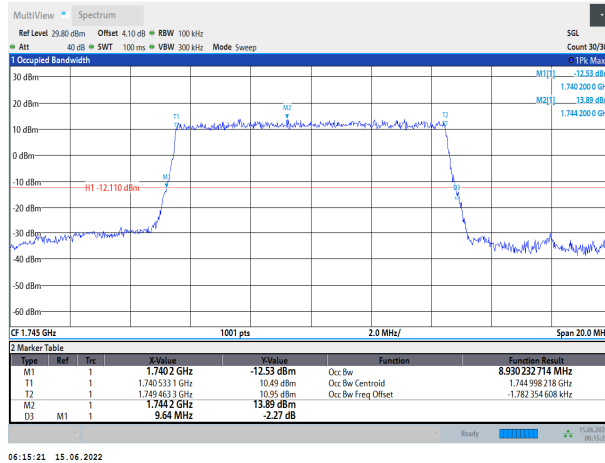


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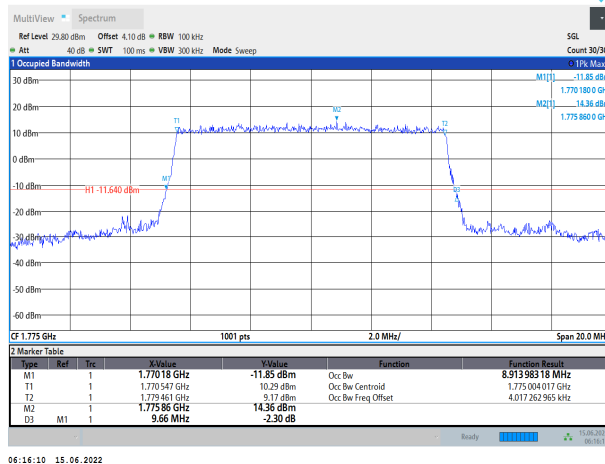
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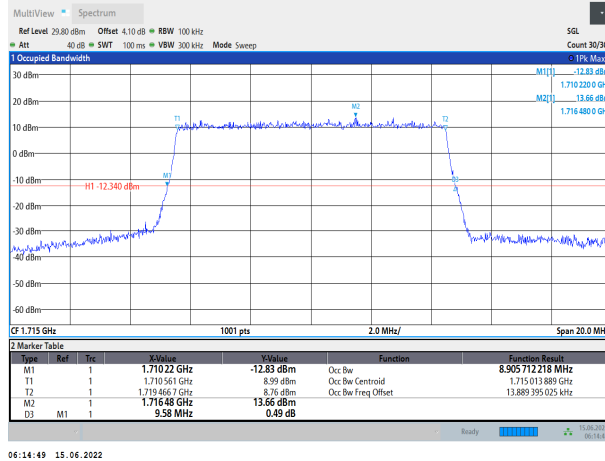


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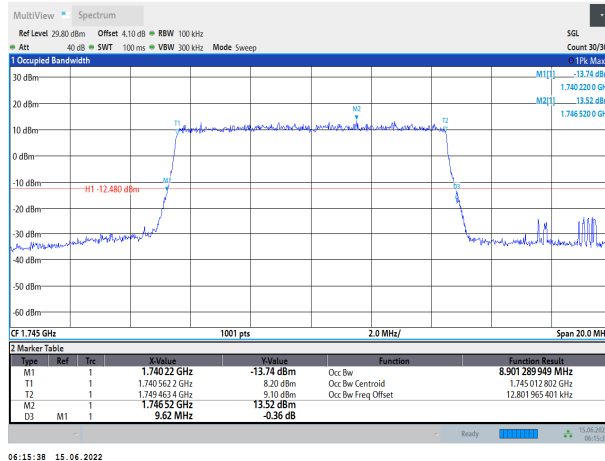
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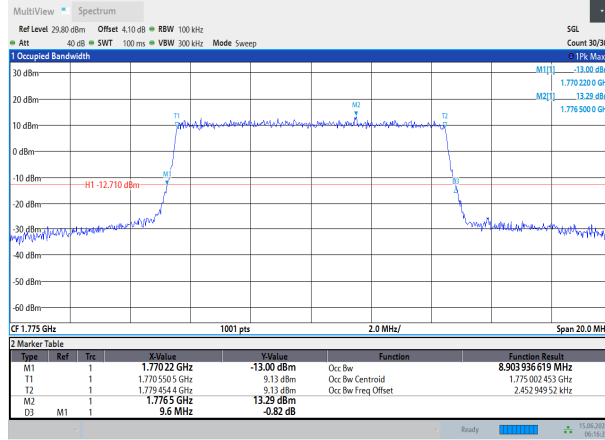
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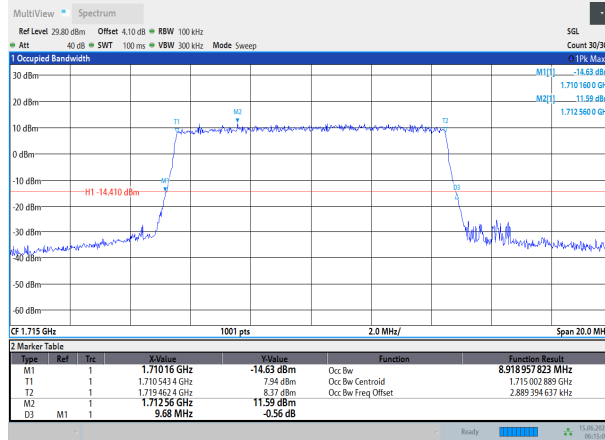


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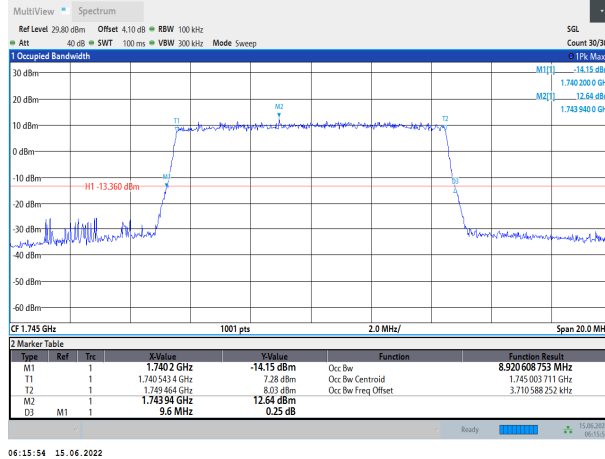
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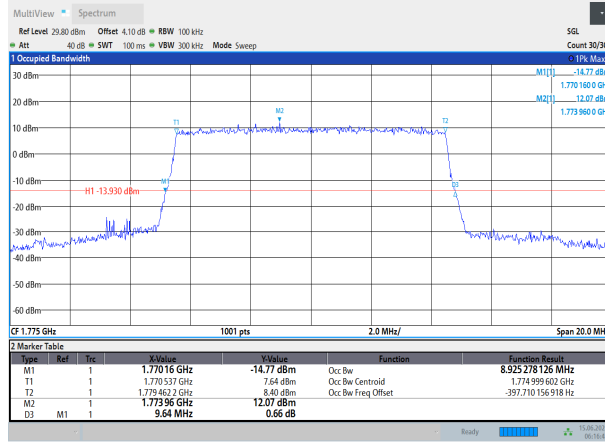


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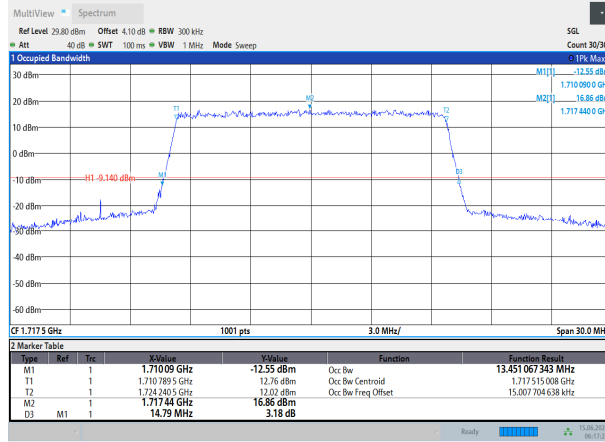


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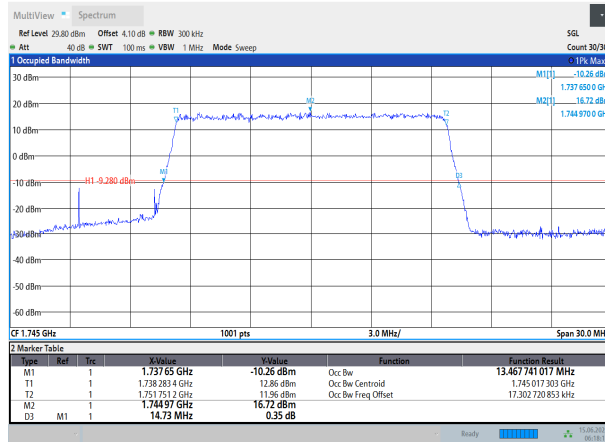
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Band66-15MHz-QPSK-132047-75RB#0



06:17:25 15.06.2022

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



06:18:14 15.06.2022



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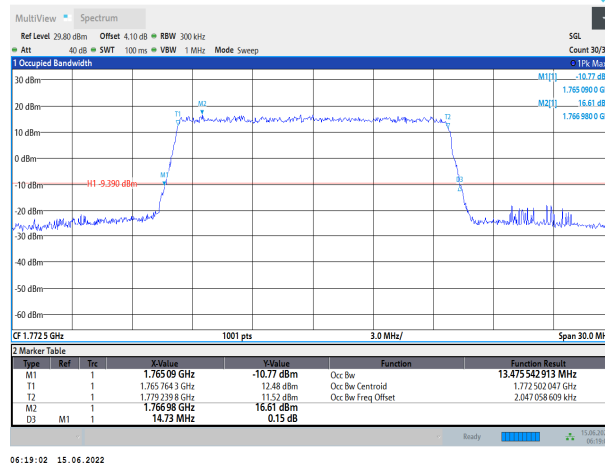


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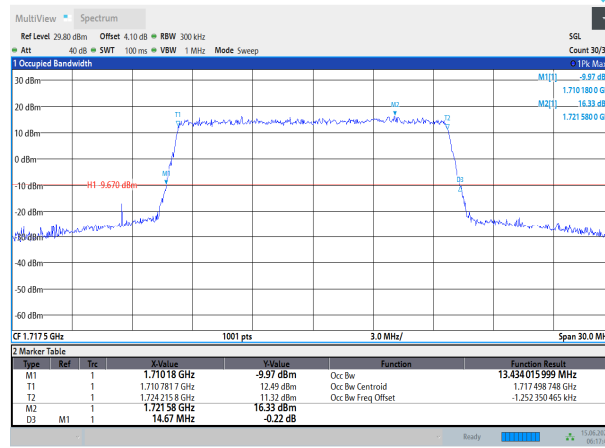
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Band66-15MHz-QPSK-132597-75RB#0



06:19:02 15.06.2022

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



06:17:41 15.06.2022



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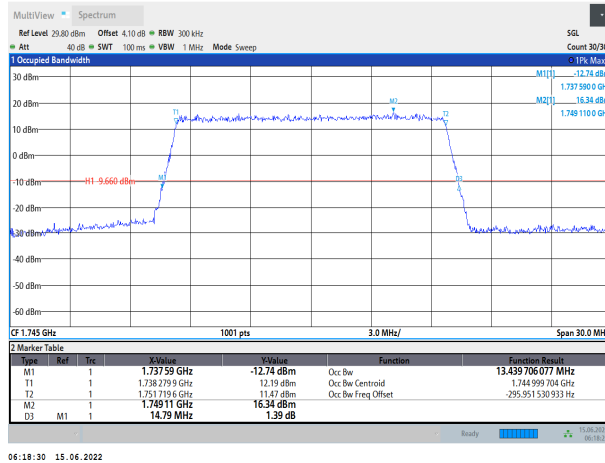


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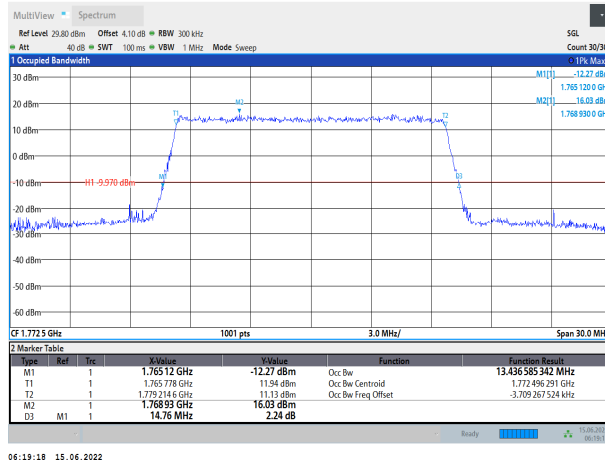
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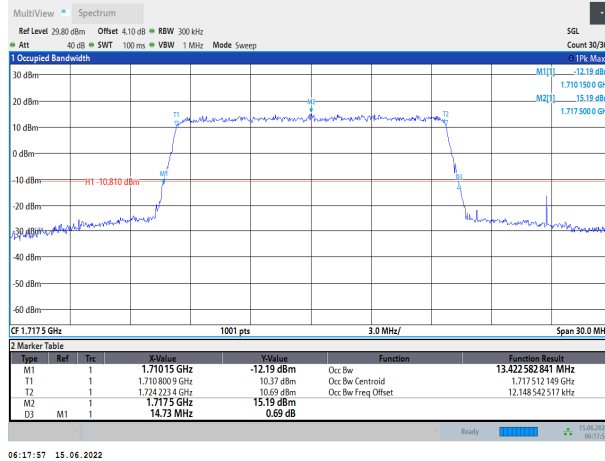


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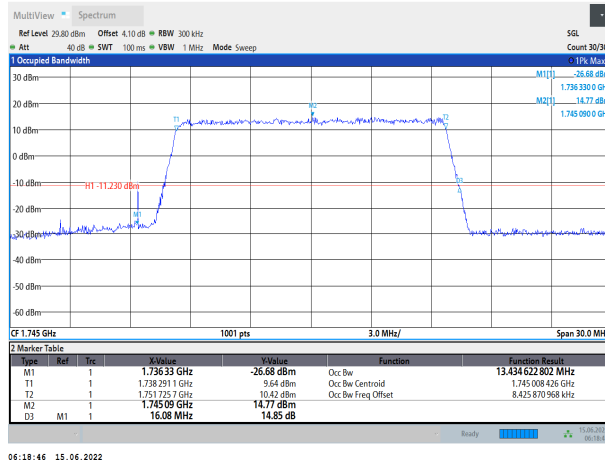
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Band66-15MHz-64QAM-132047-75RB#0



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



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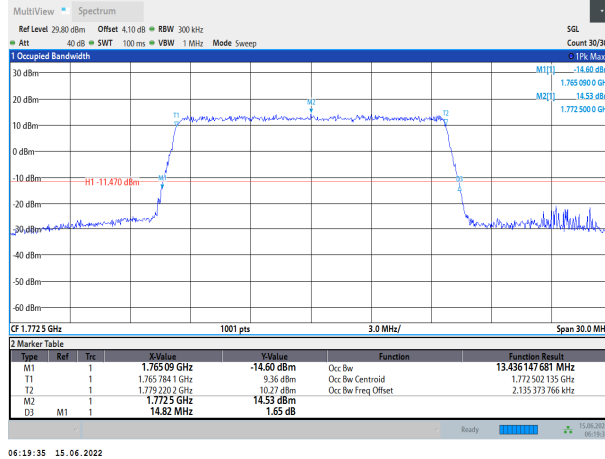


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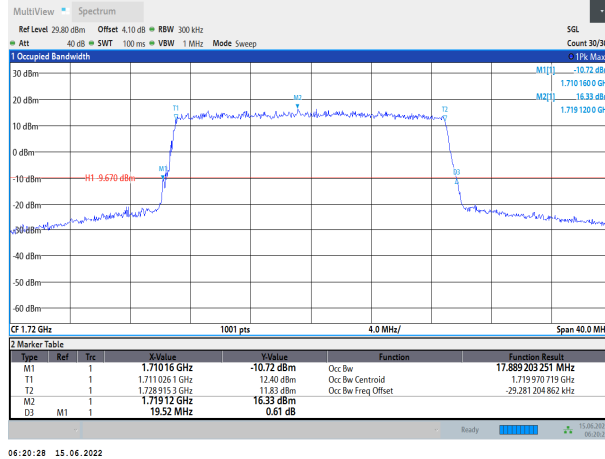
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Band66-15MHz-64QAM-132597-75RB#0



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



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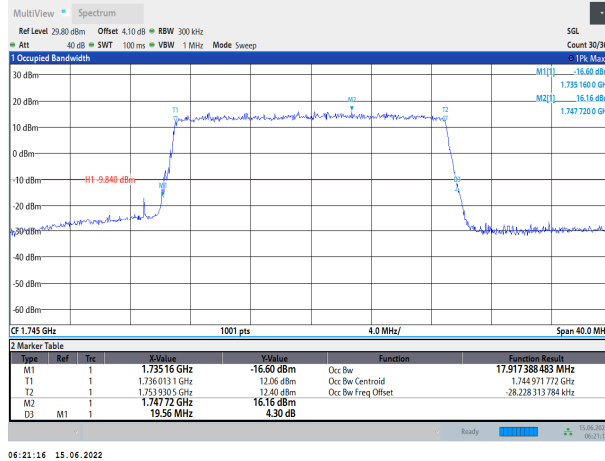


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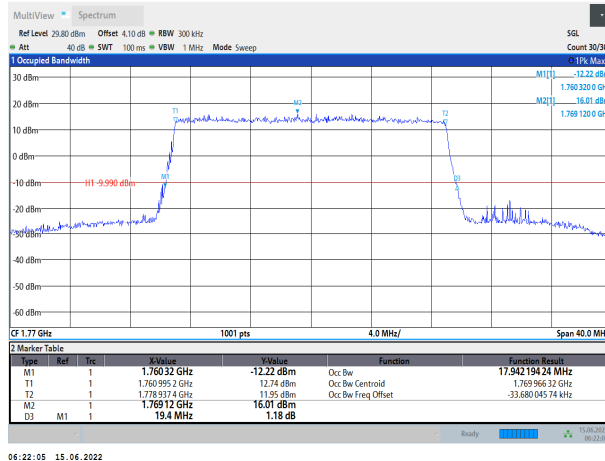
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Band66-20MHz-QPSK-132322-100RB#0



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



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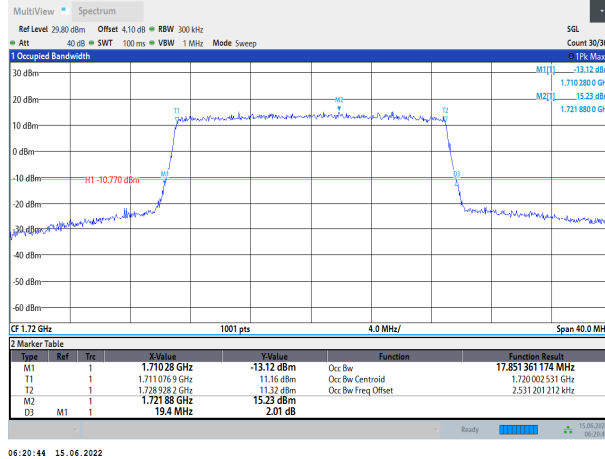


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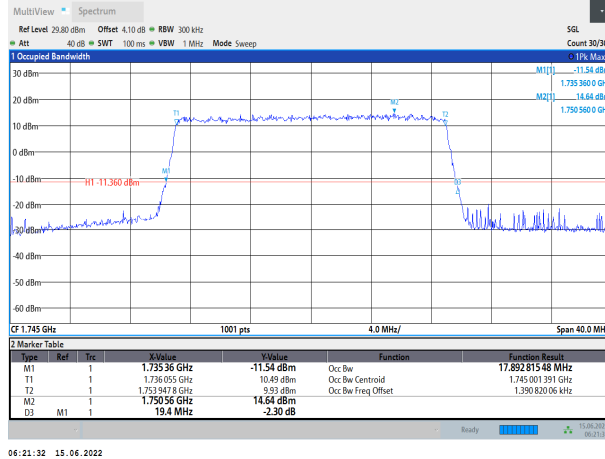
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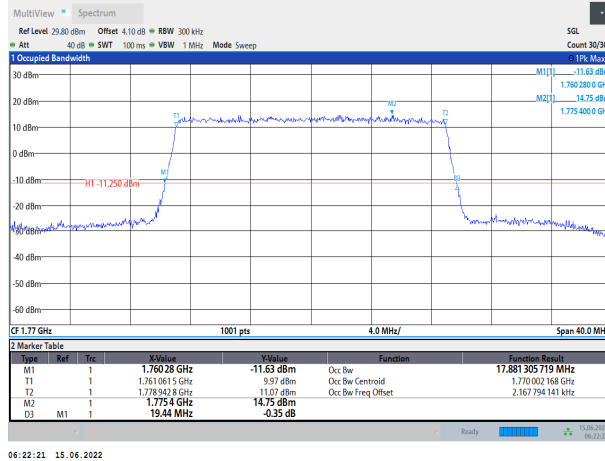


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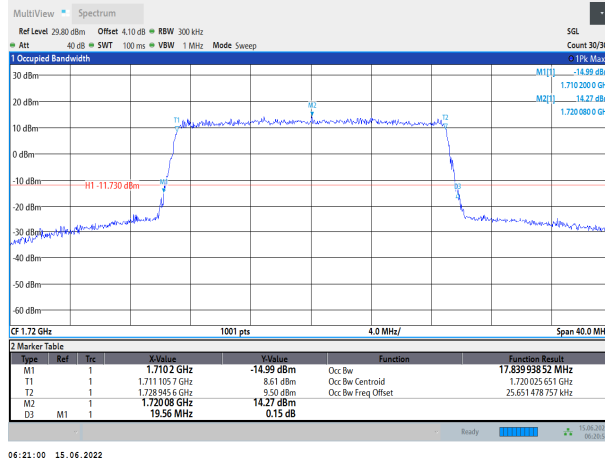
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Band66-20MHz-64QAM-132072-100RB#0



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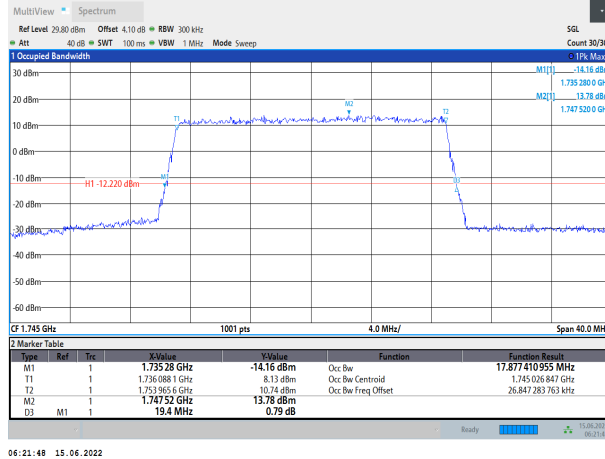


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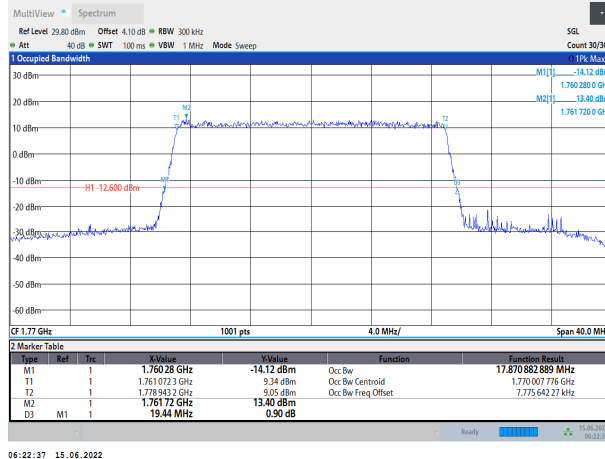
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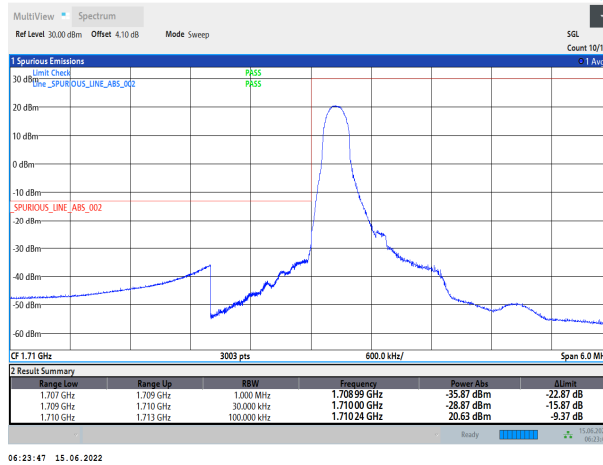




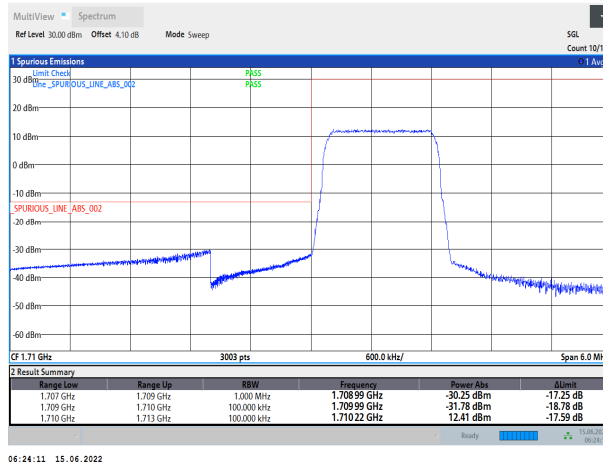
## Band Edge

## Test Graphs

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



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



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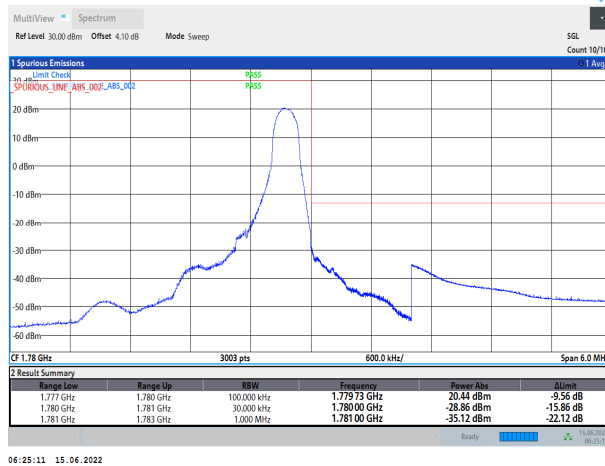


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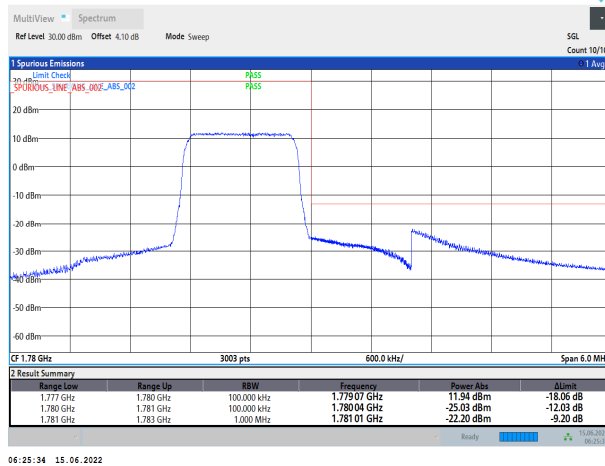
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Band66-1.4MHz-QPSK-132665-6RB#0



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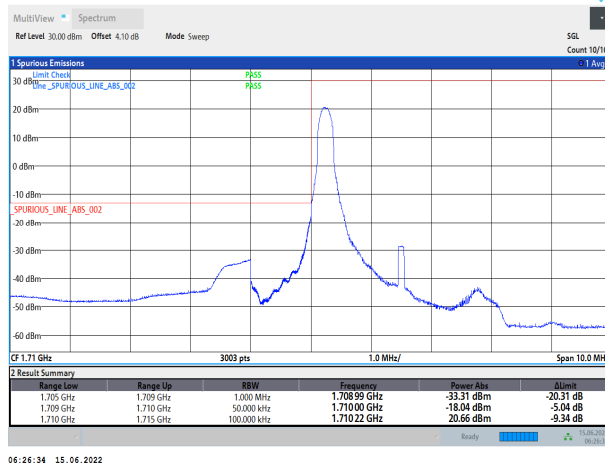


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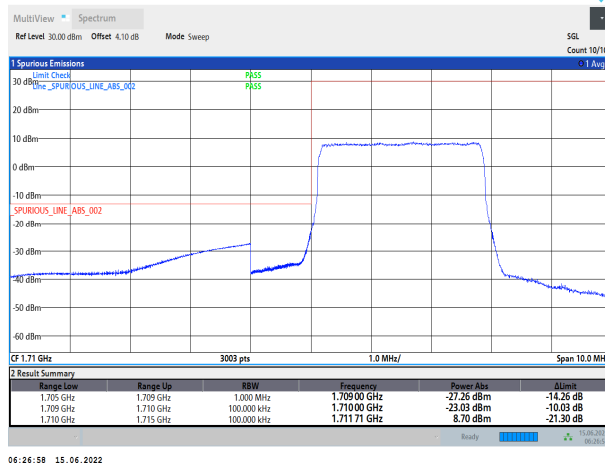
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Band66-3MHz-QPSK-131987-1RB#0



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



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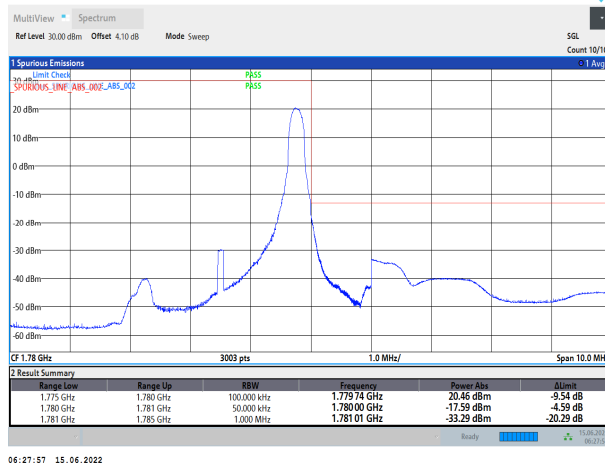


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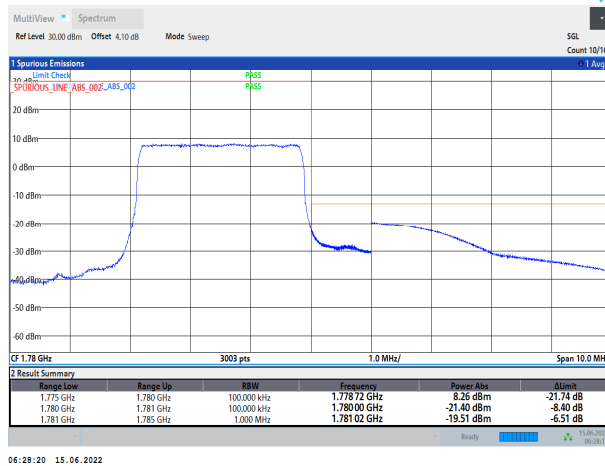
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Band66-3MHz-QPSK-132657-1RB#14



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



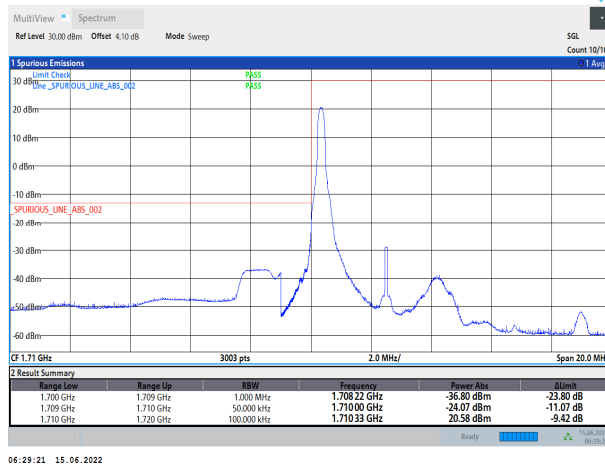
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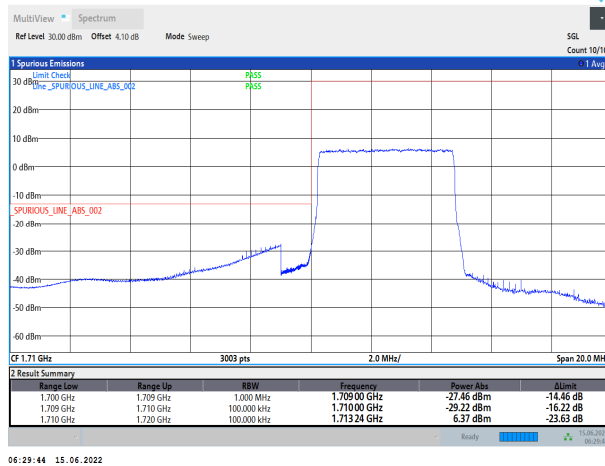
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Band66-5MHz-QPSK-131997-1RB#0



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



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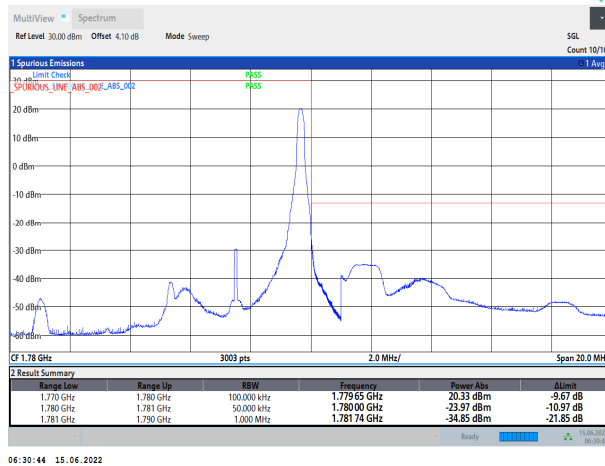


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Band66-5MHz-QPSK-132647-1RB#24



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



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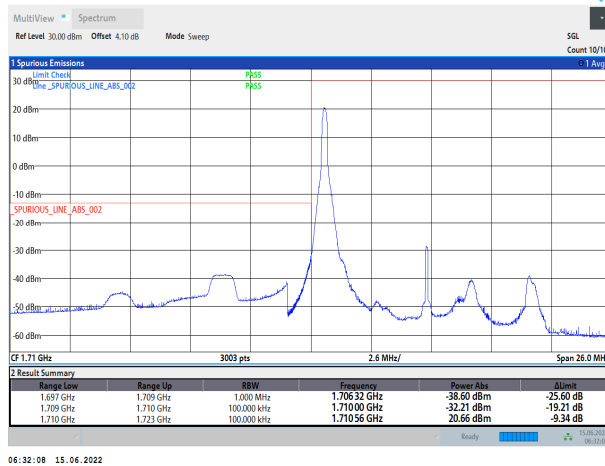


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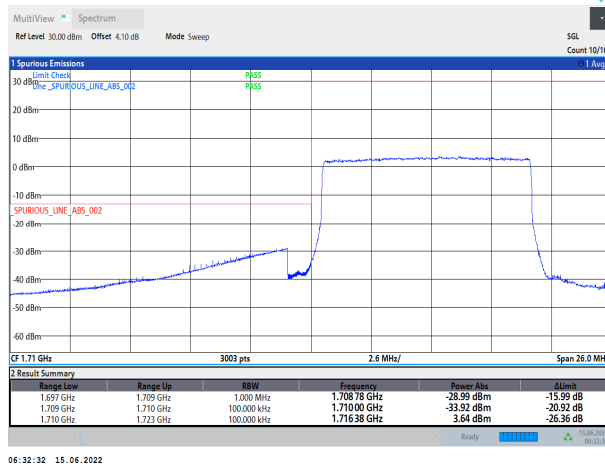
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Band66-10MHz-QPSK-132022-1RB#0



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



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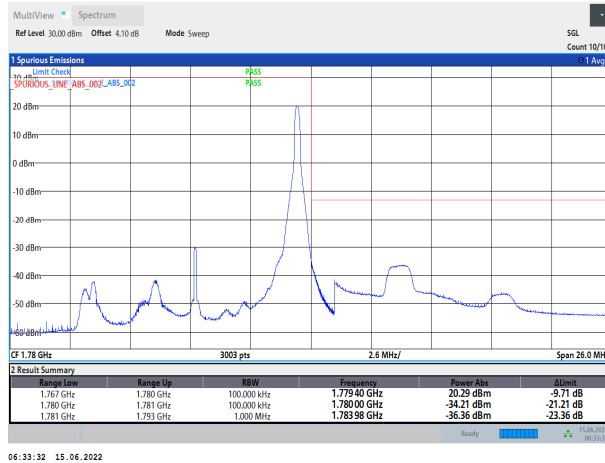


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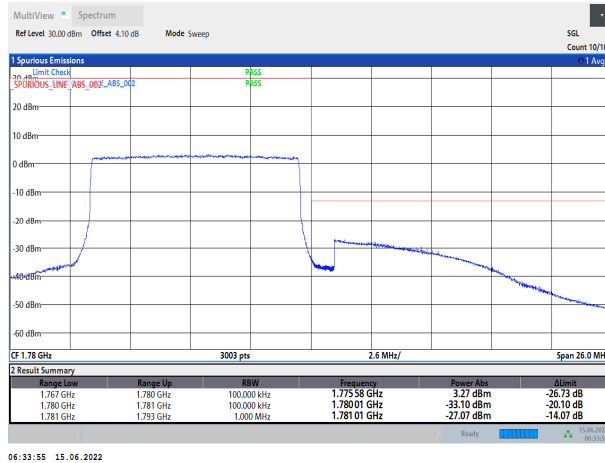
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Band66-10MHz-QPSK-132622-1RB#49



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



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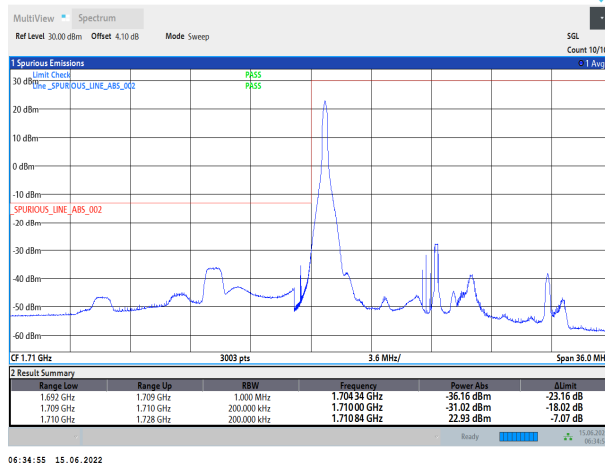


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Band66-15MHz-QPSK-132047-1RB#0



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

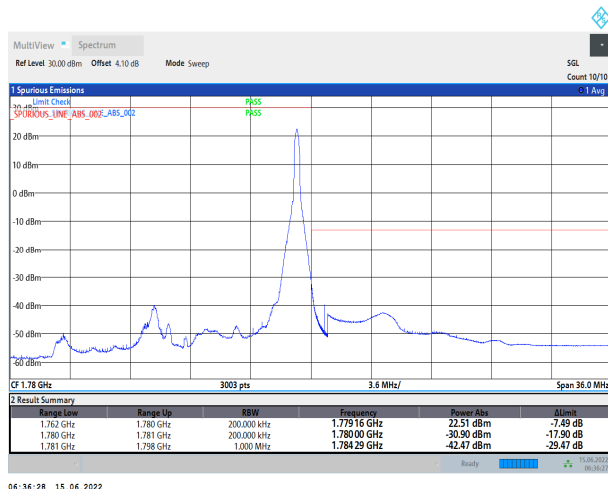


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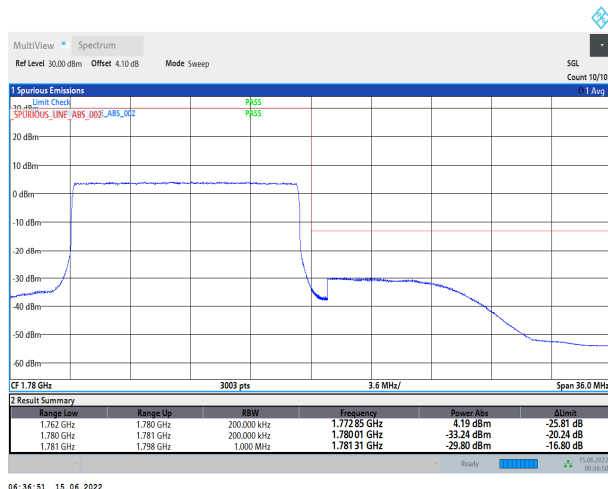
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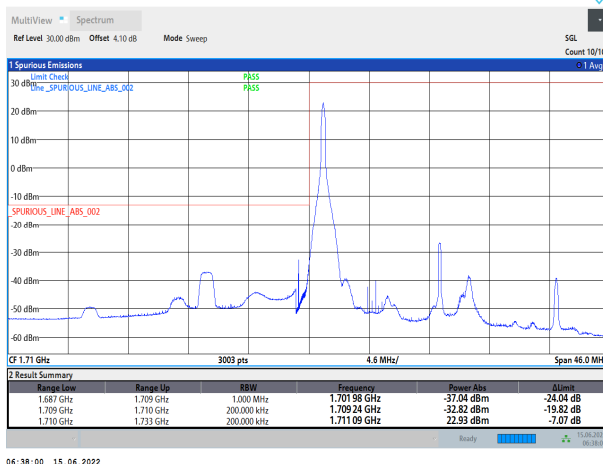


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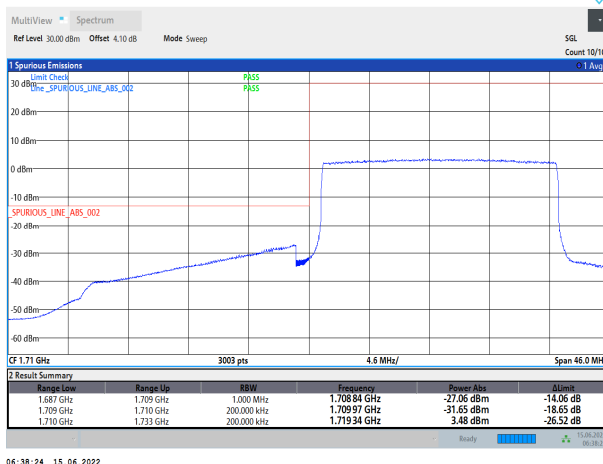
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Band66-20MHz-QPSK-132072-1RB#0



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



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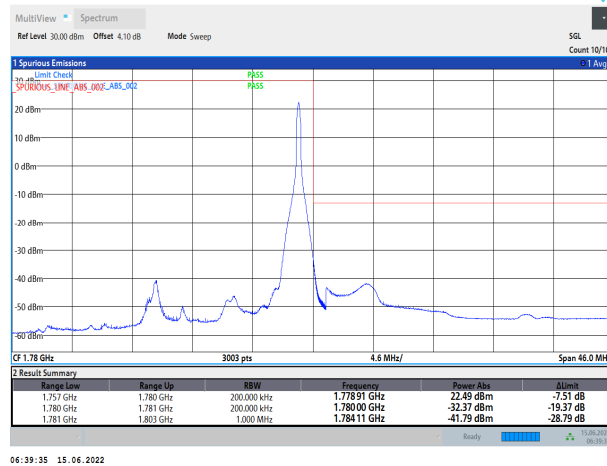


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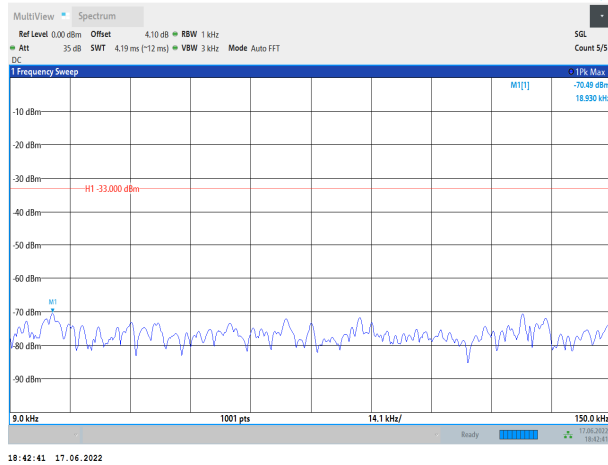




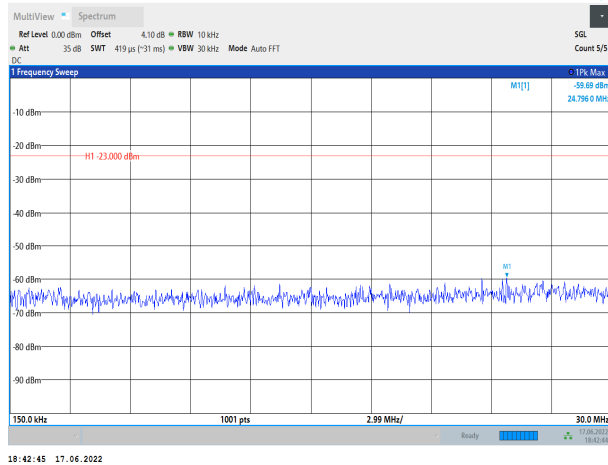
## Conducted Spurious Emission

### 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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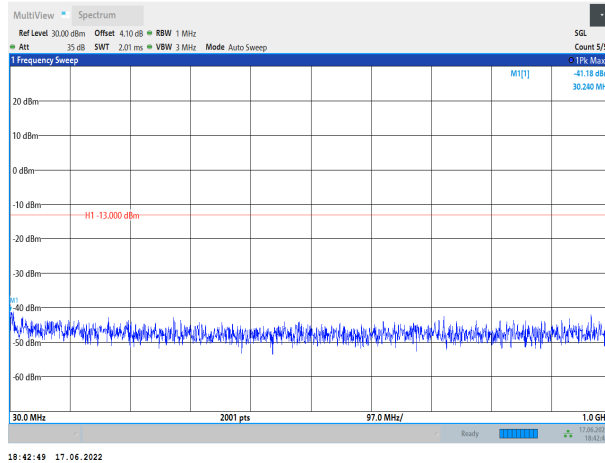


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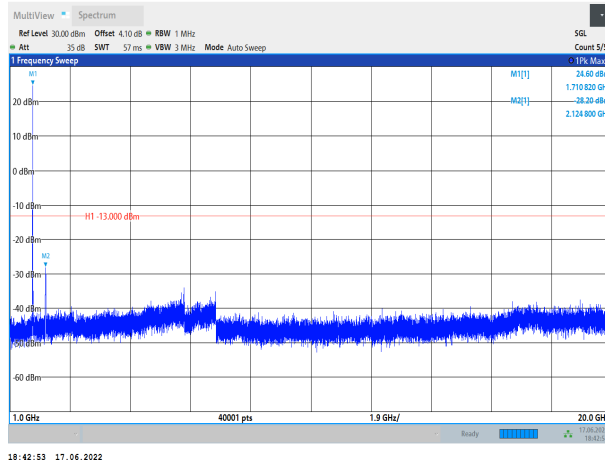
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Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



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



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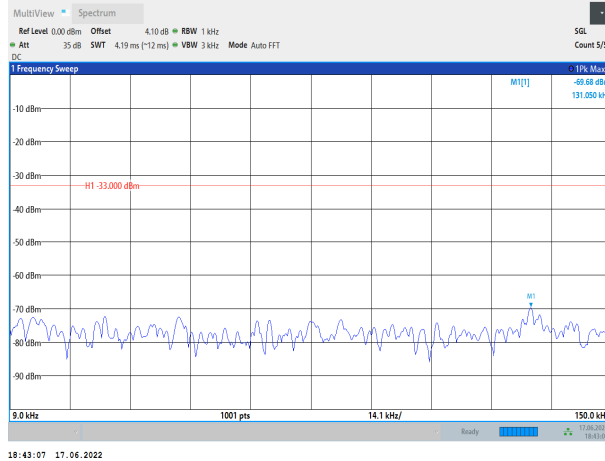
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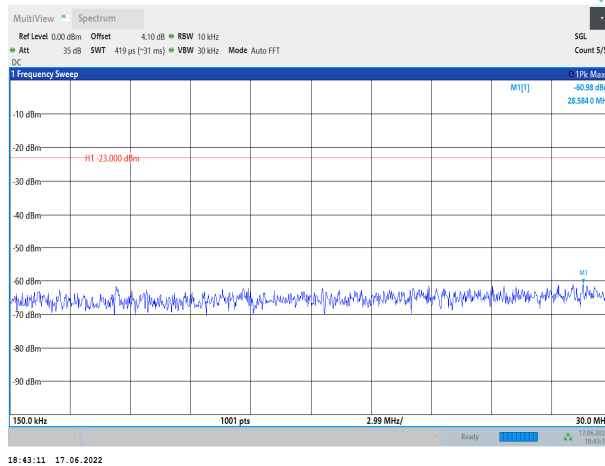
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Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



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



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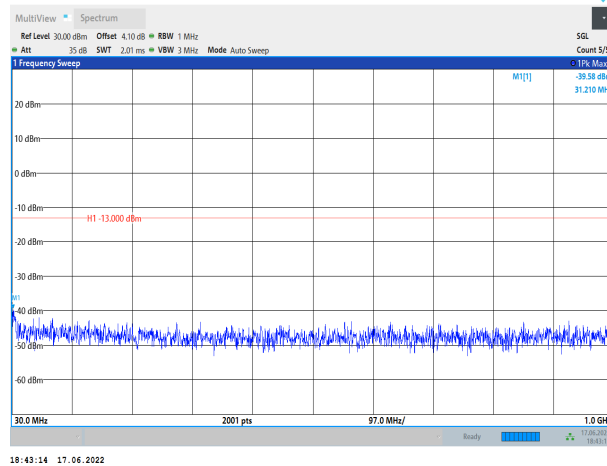


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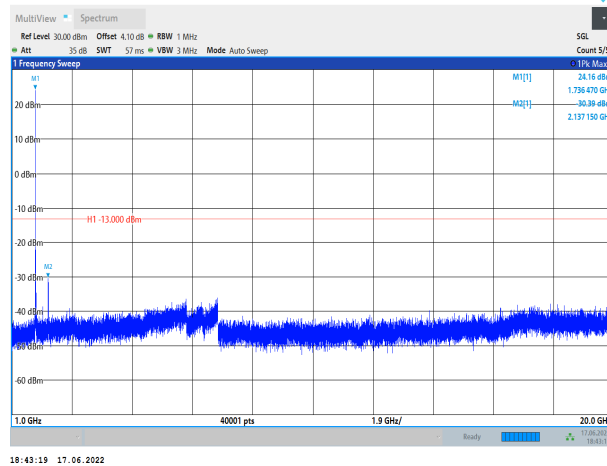
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Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



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



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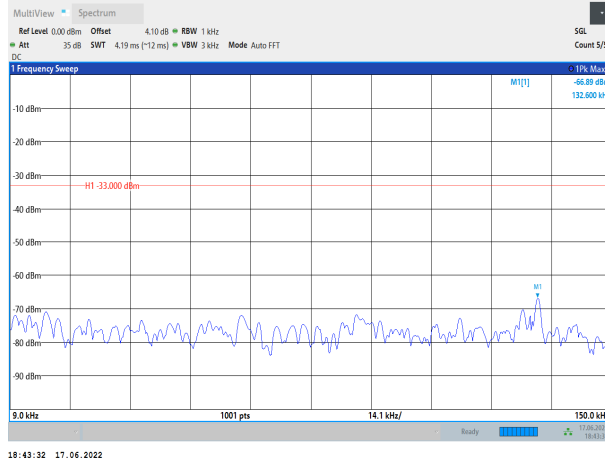
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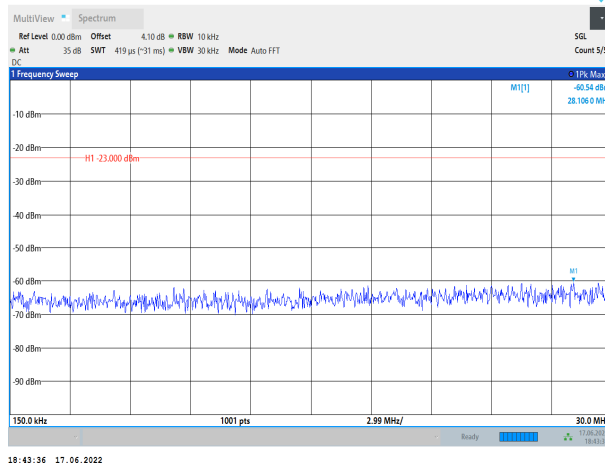
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Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



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



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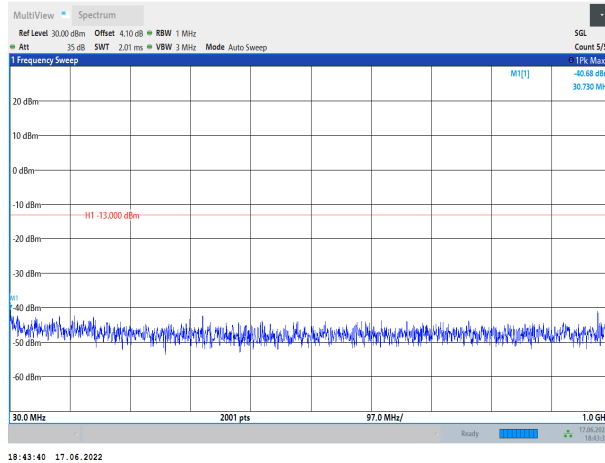


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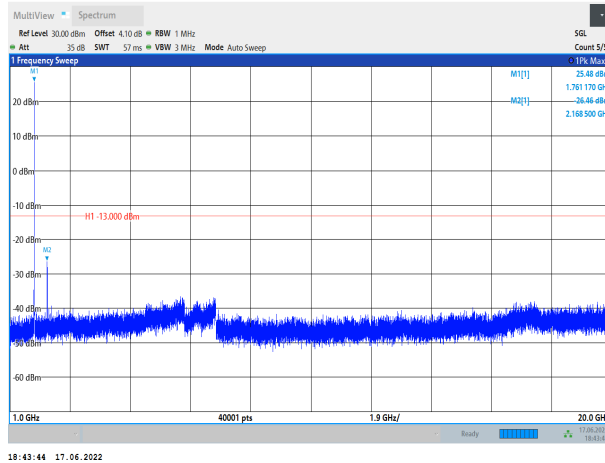
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Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



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



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## Field Strength of Spurious Radiation

Test Band = LTE Band 66\_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.1800	49.91	-112.11	-62.20	-13.00	49.20	234	90	Horizontal
2	5106.2700	48.47	-107.69	-59.22	-13.00	46.22	291	256	Horizontal
3	6808.3600	47.94	-103.57	-55.63	-13.00	42.63	237	344	Horizontal
4	8510.4500	45.89	-99.29	-53.40	-13.00	40.40	167	164	Horizontal
5	10212.5400	42.77	-95.89	-53.12	-13.00	40.12	134	270	Horizontal
6	11914.6300	39.82	-93.56	-53.74	-13.00	40.74	182	270	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.1800	51.05	-112.11	-61.06	-13.00	48.06	261	304	Vertical
2	5106.2700	50.23	-107.69	-57.46	-13.00	44.46	273	332	Vertical
3	6808.3600	47.84	-103.57	-55.73	-13.00	42.73	137	360	Vertical
4	8510.4500	46.43	-99.29	-52.86	-13.00	39.86	162	60	Vertical
5	10212.5400	43.29	-95.89	-52.60	-13.00	39.60	182	354	Vertical
6	11914.6300	40.24	-93.56	-53.32	-13.00	40.32	143	4	Vertical



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Test Band = LTE Band 66\_ TM1

Test Channel = Mid

## Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	50.05	-112.05	-62.00	-13.00	49.00	294	360	Horizontal
2	5181.2700	49.51	-107.58	-58.07	-13.00	45.07	237	31	Horizontal
3	6908.3600	48.07	-103.34	-55.27	-13.00	42.27	126	105	Horizontal
4	8635.4500	46.11	-98.91	-52.80	-13.00	39.80	182	197	Horizontal
5	10362.5400	41.67	-95.45	-53.78	-13.00	40.78	137	345	Horizontal
6	12089.6300	40.17	-93.59	-53.42	-13.00	40.42	291	360	Horizontal

## Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.1800	49.67	-112.05	-62.38	-13.00	49.38	162	360	Vertical
2	5181.2700	48.75	-107.58	-58.83	-13.00	45.83	182	30	Vertical
3	6908.3600	48.29	-103.34	-55.05	-13.00	42.05	179	44	Vertical
4	8635.4500	46.16	-98.91	-52.75	-13.00	39.75	143	75	Vertical
5	10362.5400	41.43	-95.45	-54.02	-13.00	41.02	261	44	Vertical
6	12089.6300	41.75	-93.59	-51.84	-13.00	38.84	273	360	Vertical



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**Test Band = LTE Band 66\_ TM1**
**Test Channel = High**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.1800	50.93	-111.99	-61.06	-13.00	48.06	261	353	Horizontal
2	5256.2700	48.53	-107.50	-58.97	-13.00	45.97	274	257	Horizontal
3	7008.3600	48.36	-102.77	-54.41	-13.00	41.41	216	243	Horizontal
4	8760.4500	46.51	-98.67	-52.16	-13.00	39.16	234	317	Horizontal
5	10512.5400	42.68	-95.05	-52.37	-13.00	39.37	184	353	Horizontal
6	12262.6300	40.54	-93.59	-53.05	-13.00	40.05	137	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.1800	51.02	-111.99	-60.97	-13.00	47.97	164	182	Vertical
2	5256.2700	49.21	-107.50	-58.29	-13.00	45.29	137	77	Vertical
3	7008.3600	48.27	-102.77	-54.50	-13.00	41.50	152	360	Vertical
4	8760.4500	45.86	-98.67	-52.81	-13.00	39.81	183	273	Vertical
5	10512.5400	42.46	-95.05	-52.59	-13.00	39.59	261	30	Vertical
6	12262.6300	40.42	-93.59	-53.17	-13.00	40.17	294	258	Vertical

**Remark:**

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading Level(dBμV) + Factor(dB):

Factor = AF(dB/m) + Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)



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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	3.40	0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-7.50	-0.004298	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	4.50	0.002579	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-0.30	-0.000172	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	1.50	0.000860	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-4.40	-0.002521	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-6.30	-0.003610	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	4.00	0.002292	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-8.50	-0.004871	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-5.60	-0.003209	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-8.20	-0.004699	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	5.60	0.003209	PASS

The End



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