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# Appendix B.17

## 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	26.39	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.47	26.47	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.33	26.33	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.51	25.51	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.54	26.54	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.60	26.6	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.49	26.49	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.57	25.57	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.29	26.29	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.39	26.39	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.26	26.26	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.43	25.43	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.60	25.6	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.63	25.63	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.63	25.63	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.59	24.59	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.79	25.79	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.80	25.8	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.79	25.79	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.67	24.67	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.68	25.68	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.67	25.67	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.55	25.55	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.48	24.48	30	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	21.57	24.57	30	PASS
Band66	1.4MHz	64QAM	131979	1RB#2	21.65	24.65	30	PASS



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Band66	1.4MHz	64QAM	131979	1RB#5	21.56	24.56	30	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	20.41	23.41	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	21.74	24.74	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#2	21.81	24.81	30	PASS
Band66	1.4MHz	64QAM	132322	1RB#5	21.79	24.79	30	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	20.58	23.58	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	21.50	24.5	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#2	21.60	24.6	30	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	21.45	24.45	30	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	20.40	23.4	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.40	26.4	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.45	26.45	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.34	26.34	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.49	25.49	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.46	26.46	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.60	26.6	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.44	26.44	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.61	25.61	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.31	26.31	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.40	26.4	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.30	26.3	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.46	25.46	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.49	25.49	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.61	25.61	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.49	25.49	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.53	24.53	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.80	25.8	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.97	25.97	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.75	25.75	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.66	24.66	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.58	25.58	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.66	25.66	30	PASS



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Band66	3MHz	16QAM	132657	1RB#14	22.53	25.53	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.47	24.47	30	PASS
Band66	3MHz	64QAM	131987	1RB#0	21.44	24.44	30	PASS
Band66	3MHz	64QAM	131987	1RB#8	21.68	24.68	30	PASS
Band66	3MHz	64QAM	131987	1RB#14	21.52	24.52	30	PASS
Band66	3MHz	64QAM	131987	15RB#0	20.54	23.54	30	PASS
Band66	3MHz	64QAM	132322	1RB#0	21.70	24.7	30	PASS
Band66	3MHz	64QAM	132322	1RB#8	21.84	24.84	30	PASS
Band66	3MHz	64QAM	132322	1RB#14	21.72	24.72	30	PASS
Band66	3MHz	64QAM	132322	15RB#0	20.65	23.65	30	PASS
Band66	3MHz	64QAM	132657	1RB#0	21.52	24.52	30	PASS
Band66	3MHz	64QAM	132657	1RB#8	21.61	24.61	30	PASS
Band66	3MHz	64QAM	132657	1RB#14	21.54	24.54	30	PASS
Band66	3MHz	64QAM	132657	15RB#0	20.46	23.46	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.40	26.4	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.47	26.47	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.33	26.33	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.49	25.49	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.40	26.4	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.64	26.64	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.45	26.45	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.56	25.56	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.25	26.25	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.41	26.41	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.24	26.24	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.39	25.39	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.46	25.46	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.74	25.74	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.55	25.55	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.50	24.5	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.74	25.74	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.88	25.88	30	PASS



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Band66	5MHz	16QAM	132322	1RB#24	22.83	25.83	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.59	24.59	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.55	25.55	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.75	25.75	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.50	25.5	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.42	24.42	30	PASS
Band66	5MHz	64QAM	131997	1RB#0	21.48	24.48	30	PASS
Band66	5MHz	64QAM	131997	1RB#12	21.68	24.68	30	PASS
Band66	5MHz	64QAM	131997	1RB#24	21.57	24.57	30	PASS
Band66	5MHz	64QAM	131997	25RB#0	20.49	23.49	30	PASS
Band66	5MHz	64QAM	132322	1RB#0	21.74	24.74	30	PASS
Band66	5MHz	64QAM	132322	1RB#12	21.81	24.81	30	PASS
Band66	5MHz	64QAM	132322	1RB#24	21.72	24.72	30	PASS
Band66	5MHz	64QAM	132322	25RB#0	20.61	23.61	30	PASS
Band66	5MHz	64QAM	132647	1RB#0	21.53	24.53	30	PASS
Band66	5MHz	64QAM	132647	1RB#12	21.64	24.64	30	PASS
Band66	5MHz	64QAM	132647	1RB#24	21.47	24.47	30	PASS
Band66	5MHz	64QAM	132647	25RB#0	20.39	23.39	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.42	26.42	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.48	26.48	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.44	26.44	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.48	25.48	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.56	26.56	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.60	26.6	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.62	26.62	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.57	25.57	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.44	26.44	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.44	26.44	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.40	26.4	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.52	25.52	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.64	25.64	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.71	25.71	30	PASS



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Band66	10MHz	16QAM	132022	1RB#49	22.78	25.78	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.52	24.52	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.84	25.84	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.93	25.93	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.96	25.96	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.65	24.65	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.64	25.64	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.85	25.85	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.71	25.71	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.56	24.56	30	PASS
Band66	10MHz	64QAM	132022	1RB#0	21.54	24.54	30	PASS
Band66	10MHz	64QAM	132022	1RB#24	21.72	24.72	30	PASS
Band66	10MHz	64QAM	132022	1RB#49	21.72	24.72	30	PASS
Band66	10MHz	64QAM	132022	50RB#0	20.53	23.53	30	PASS
Band66	10MHz	64QAM	132322	1RB#0	21.70	24.7	30	PASS
Band66	10MHz	64QAM	132322	1RB#24	21.78	24.78	30	PASS
Band66	10MHz	64QAM	132322	1RB#49	21.85	24.85	30	PASS
Band66	10MHz	64QAM	132322	50RB#0	20.64	23.64	30	PASS
Band66	10MHz	64QAM	132622	1RB#0	21.69	24.69	30	PASS
Band66	10MHz	64QAM	132622	1RB#24	21.67	24.67	30	PASS
Band66	10MHz	64QAM	132622	1RB#49	21.64	24.64	30	PASS
Band66	10MHz	64QAM	132622	50RB#0	20.56	23.56	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.51	26.51	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.58	26.58	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.61	26.61	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.57	25.57	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.51	26.51	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.76	26.76	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.65	26.65	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.56	25.56	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.55	26.55	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.56	26.56	30	PASS



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Band66	15MHz	QPSK	132597	1RB#74	23.44	26.44	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.48	25.48	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.70	25.7	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.94	25.94	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.86	25.86	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.60	24.6	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.70	25.7	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.98	25.98	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.81	25.81	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.58	24.58	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.88	25.88	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.83	25.83	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.65	25.65	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.53	24.53	30	PASS
Band66	15MHz	64QAM	132047	1RB#0	21.59	24.59	30	PASS
Band66	15MHz	64QAM	132047	1RB#38	21.86	24.86	30	PASS
Band66	15MHz	64QAM	132047	1RB#74	21.72	24.72	30	PASS
Band66	15MHz	64QAM	132047	75RB#0	20.58	23.58	30	PASS
Band66	15MHz	64QAM	132322	1RB#0	21.65	24.65	30	PASS
Band66	15MHz	64QAM	132322	1RB#38	21.90	24.9	30	PASS
Band66	15MHz	64QAM	132322	1RB#74	21.75	24.75	30	PASS
Band66	15MHz	64QAM	132322	75RB#0	20.61	23.61	30	PASS
Band66	15MHz	64QAM	132597	1RB#0	21.76	24.76	30	PASS
Band66	15MHz	64QAM	132597	1RB#38	21.81	24.81	30	PASS
Band66	15MHz	64QAM	132597	1RB#74	21.62	24.62	30	PASS
Band66	15MHz	64QAM	132597	75RB#0	20.53	23.53	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.49	26.49	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.60	26.6	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.53	26.53	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.57	25.57	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.52	26.52	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.71	26.71	30	PASS



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Band66	20MHz	QPSK	132322	1RB#99	23.53	26.53	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.59	25.59	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.54	26.54	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.57	26.57	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.46	26.46	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.52	25.52	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.65	25.65	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.92	25.92	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.85	25.85	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.56	24.56	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.82	25.82	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	23.06	26.06	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.80	25.8	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.62	24.62	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.89	25.89	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.94	25.94	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.68	25.68	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.54	24.54	30	PASS
Band66	20MHz	64QAM	132072	1RB#0	21.66	24.66	30	PASS
Band66	20MHz	64QAM	132072	1RB#49	21.78	24.78	30	PASS
Band66	20MHz	64QAM	132072	1RB#99	21.73	24.73	30	PASS
Band66	20MHz	64QAM	132072	100RB#0	20.57	23.57	30	PASS
Band66	20MHz	64QAM	132322	1RB#0	21.70	24.7	30	PASS
Band66	20MHz	64QAM	132322	1RB#49	21.98	24.98	30	PASS
Band66	20MHz	64QAM	132322	1RB#99	21.80	24.8	30	PASS
Band66	20MHz	64QAM	132322	100RB#0	20.61	23.61	30	PASS
Band66	20MHz	64QAM	132572	1RB#0	21.72	24.72	30	PASS
Band66	20MHz	64QAM	132572	1RB#49	21.85	24.85	30	PASS
Band66	20MHz	64QAM	132572	1RB#99	21.61	24.61	30	PASS
Band66	20MHz	64QAM	132572	100RB#0	20.55	23.55	30	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	5.38	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.56	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.54	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.22	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.46	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.36	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.60	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.80	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.68	13	PASS



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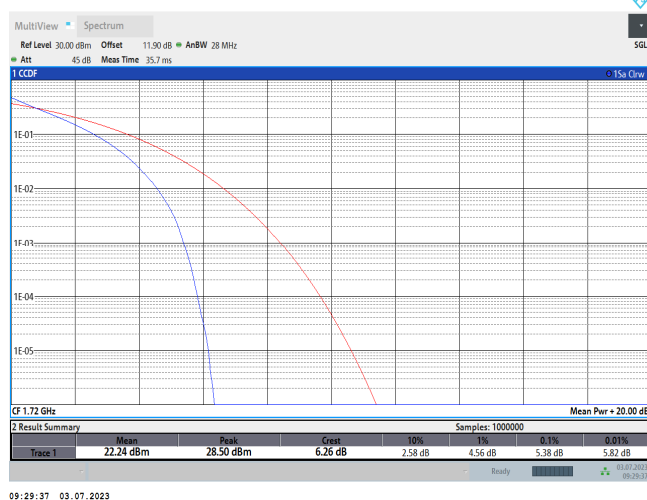
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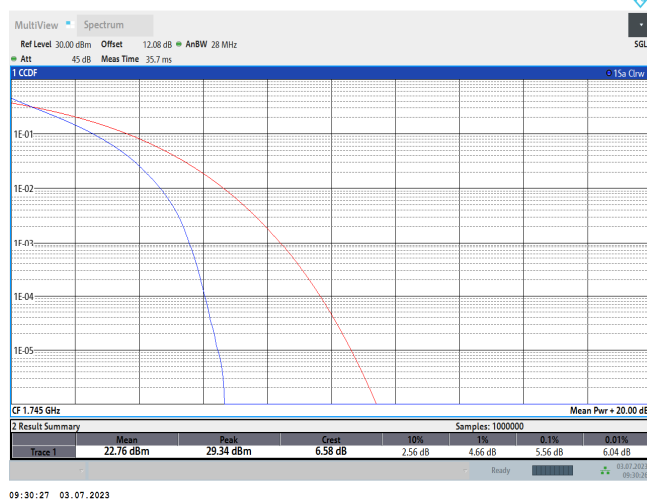
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## Test Graphs

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



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



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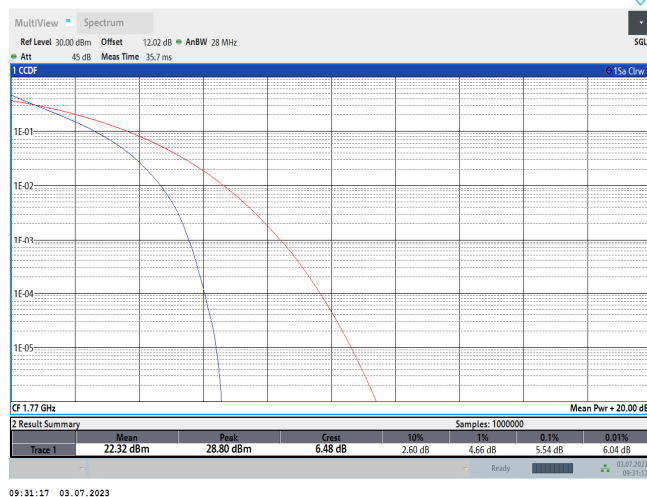
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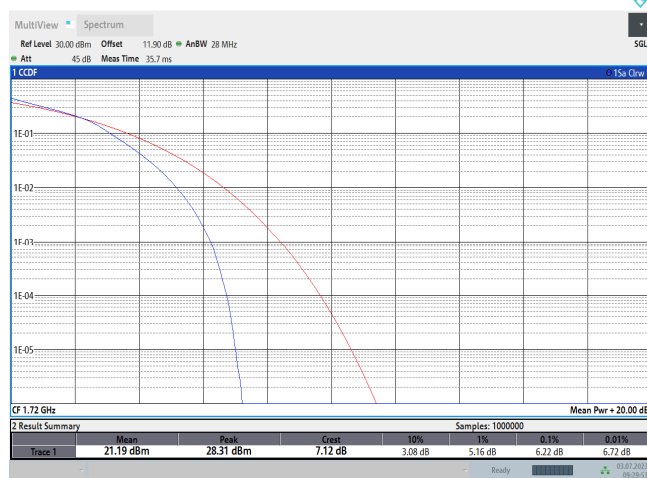
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### Band66-20MHz-16QAM-132072-100RB#0



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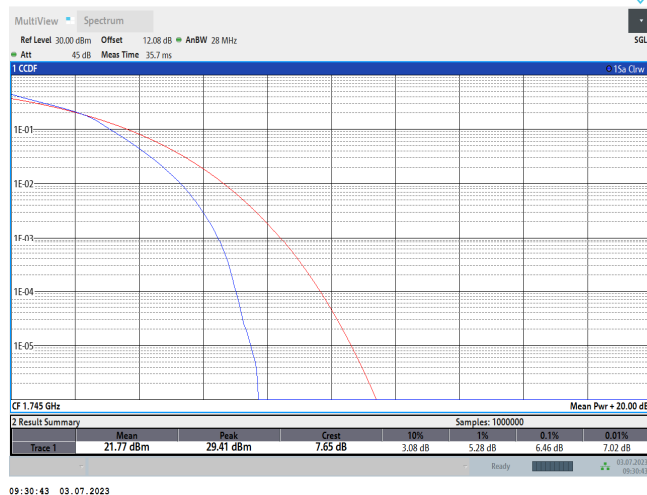
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### Band66-20MHz-16QAM-132322-100RB#0



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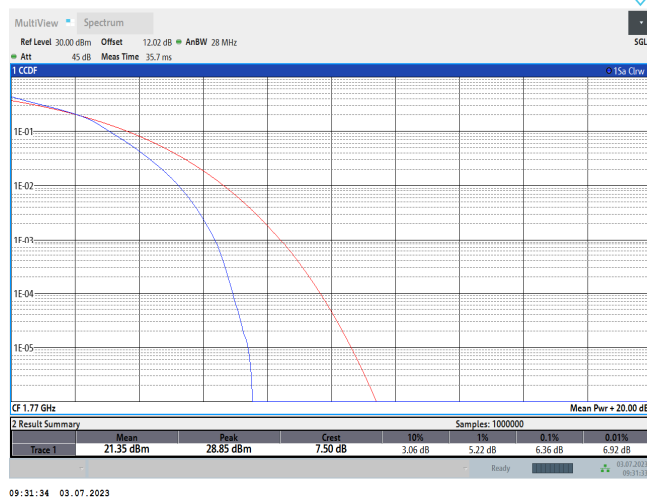


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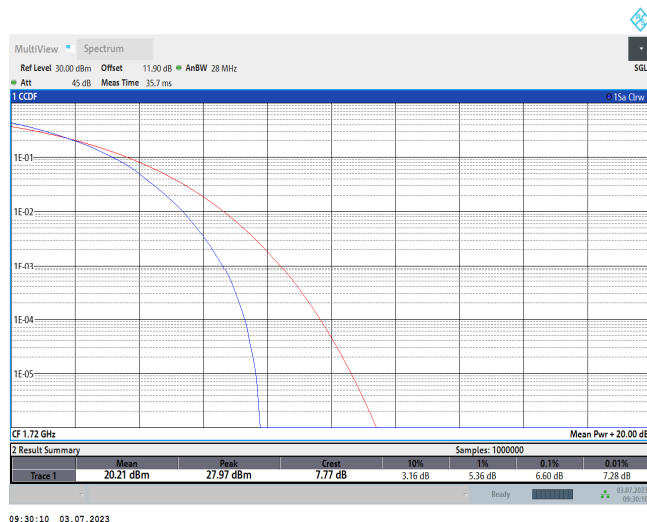
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## Band66-20MHz-16QAM-132572-100RB#0



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

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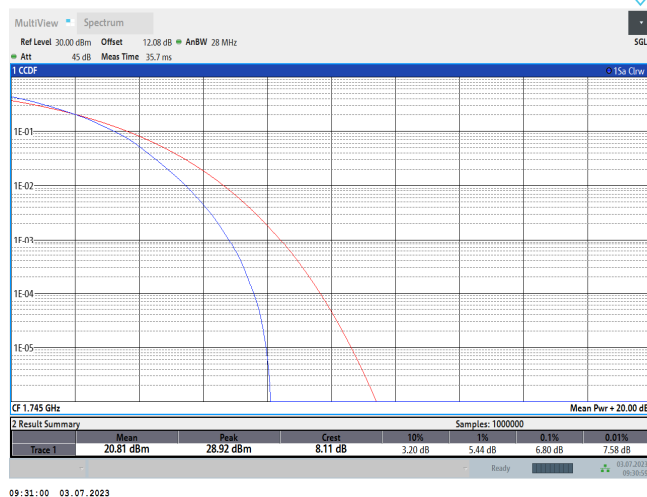
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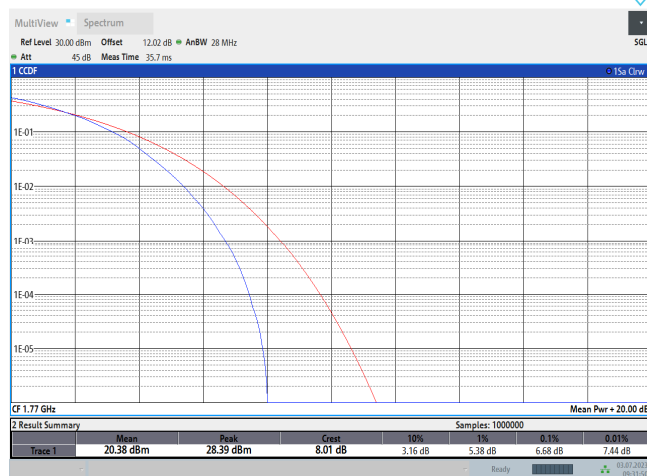
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### Band66-20MHz-64QAM-132322-100RB#0



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



09:31:50 03.07.2023



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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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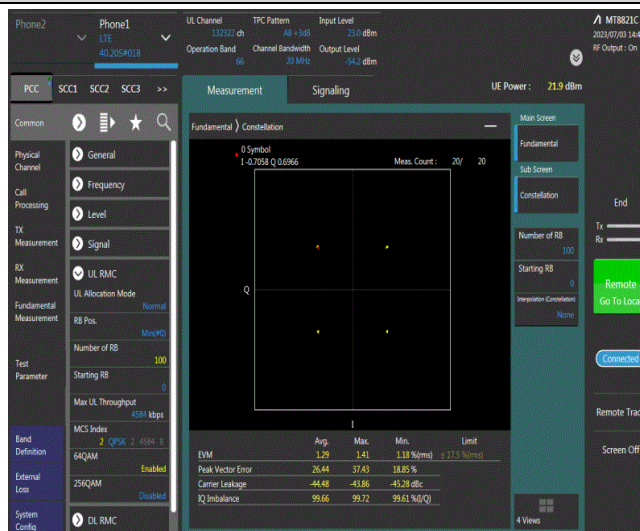
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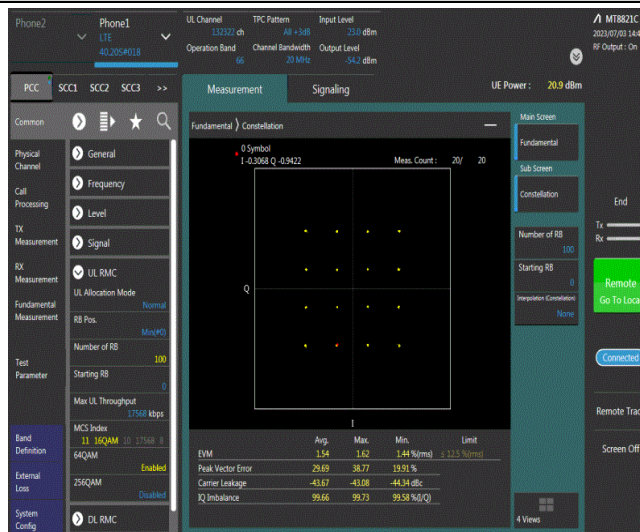
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### Test Graphs

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



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



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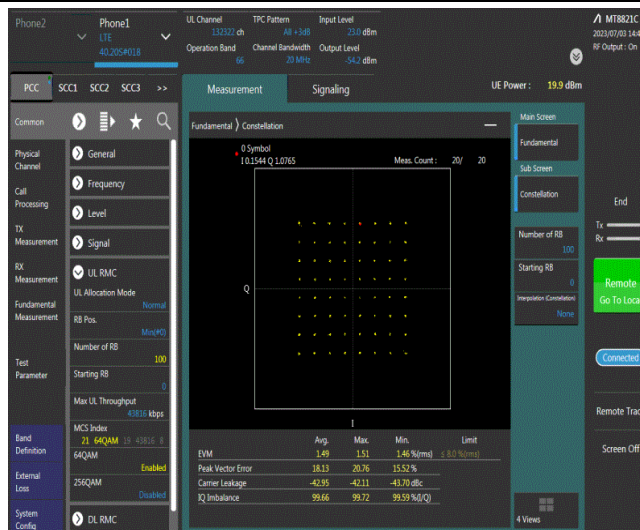


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### Band66-20MHz-64QAM-132322-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.085	1.24	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.085	1.23	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.085	1.24	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.093	1.24	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.092	1.24	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.092	1.24	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.092	1.24	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.092	1.24	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.091	1.24	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	2.98	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.695	2.98	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.694	2.97	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.688	2.98	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.687	3.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.69	2.98	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.69	2.96	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.691	2.97	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.689	2.96	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.469	4.85	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.474	4.88	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.464	4.87	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.473	4.87	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.467	4.91	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.465	4.90	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.472	4.89	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.478	4.93	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.475	4.90	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.934	9.60	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.929	9.70	PASS



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Band66	10MHz	QPSK	132622	50RB#0	8.923	9.58	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.911	9.58	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.917	9.64	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.929	9.64	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.931	9.70	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.939	9.66	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.933	9.66	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.462	14.76	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.477	14.73	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.477	14.73	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.444	14.82	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.458	14.79	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.452	14.76	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.426	14.76	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.435	14.73	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.433	14.79	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.912	19.48	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.953	19.36	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.928	19.32	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.872	19.32	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.905	19.36	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.887	19.40	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.885	19.60	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.901	19.44	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.924	19.52	PASS



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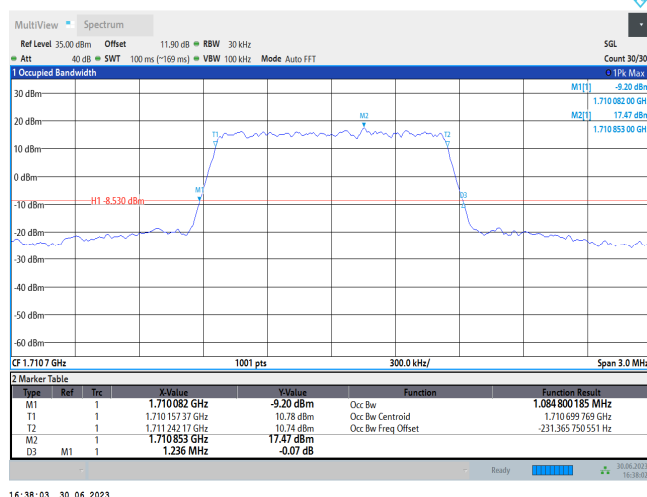
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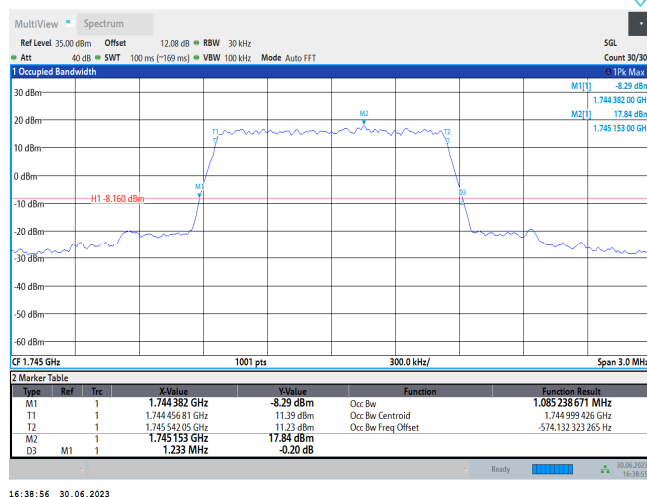
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### Test Graphs

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



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



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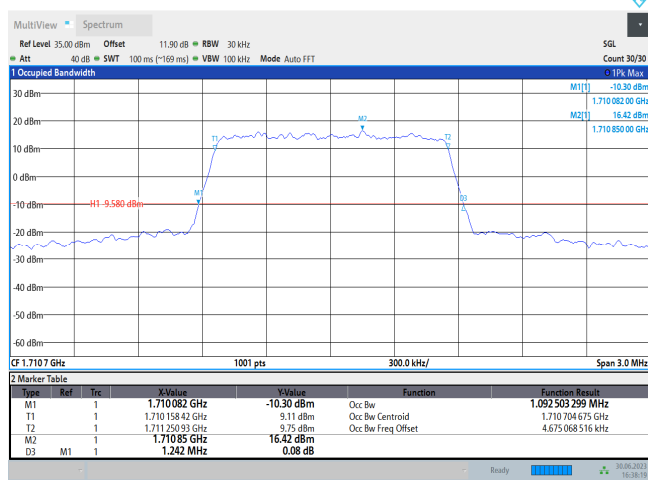
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## Band66-1.4MHz-QPSK-132665-6RB#0



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



16:38:20 30.06.2023

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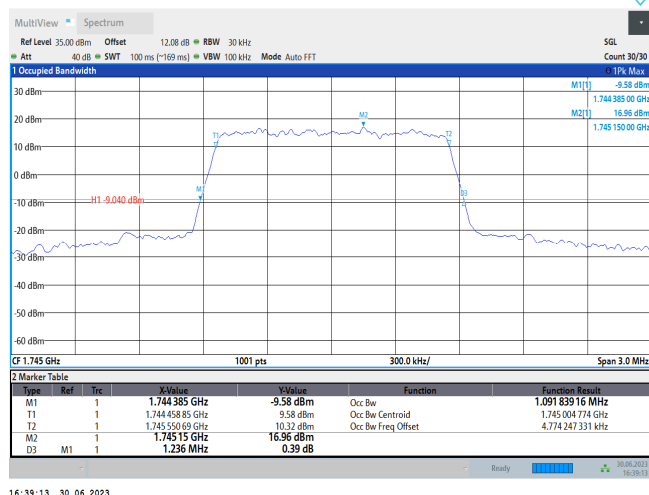
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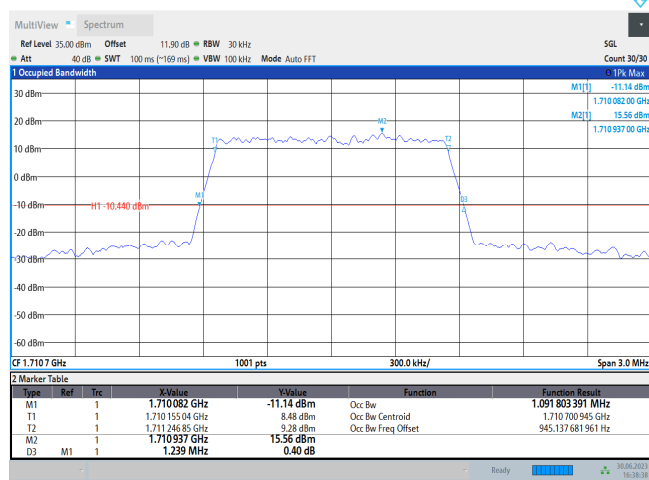
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### Band66-1.4MHz-16QAM-132665-6RB#0



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



16:38:38 30.06.2023



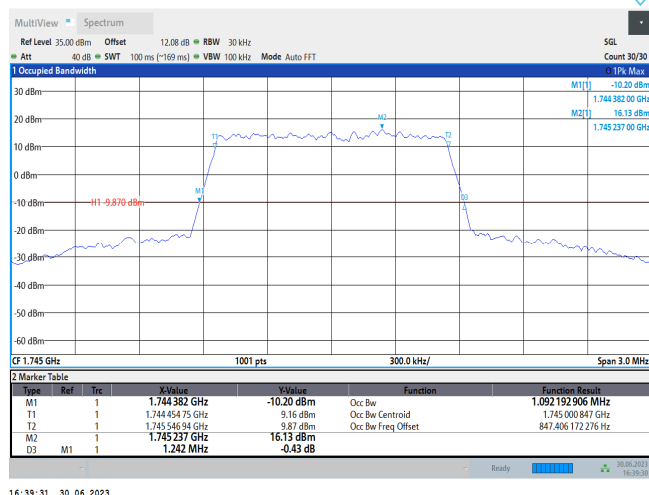
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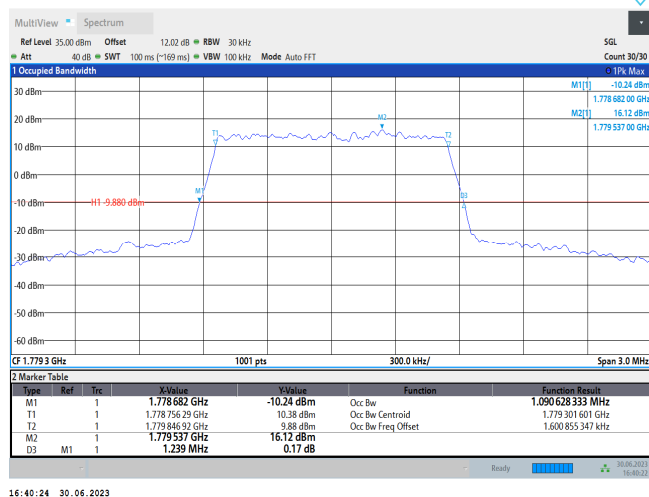


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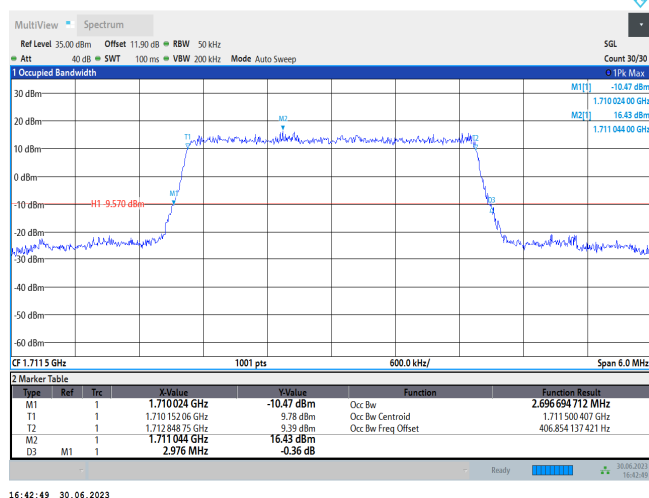
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### Band66-1.4MHz-64QAM-132665-6RB#0



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



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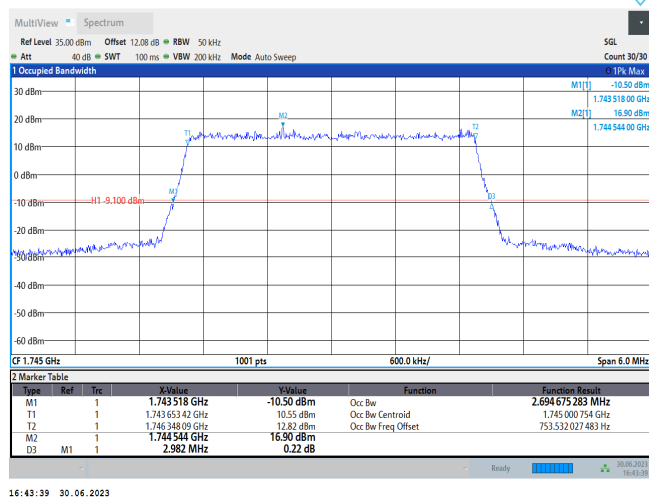
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## Band66-3MHz-QPSK-132322-15RB#0



16:43:39 30.06.2023



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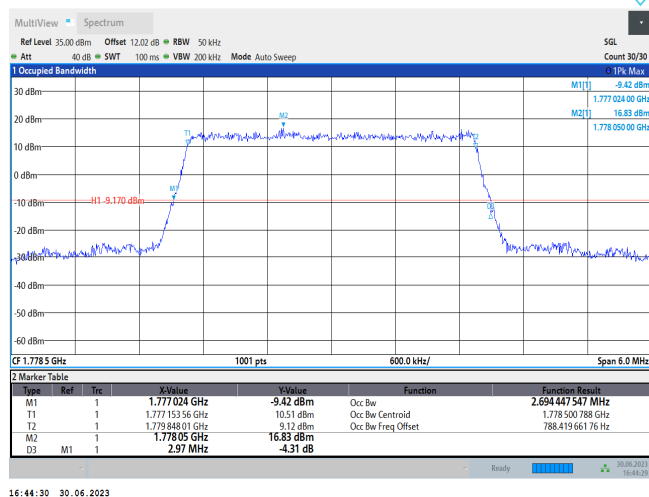
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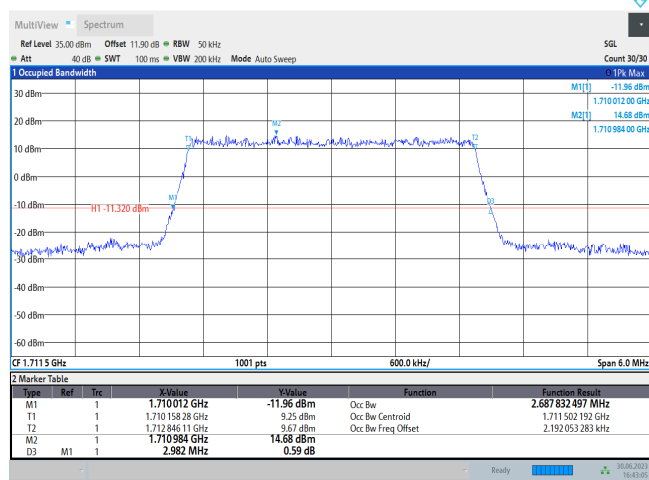
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## Band66-3MHz-QPSK-132657-15RB#0



16:44:30 30.06.2023

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



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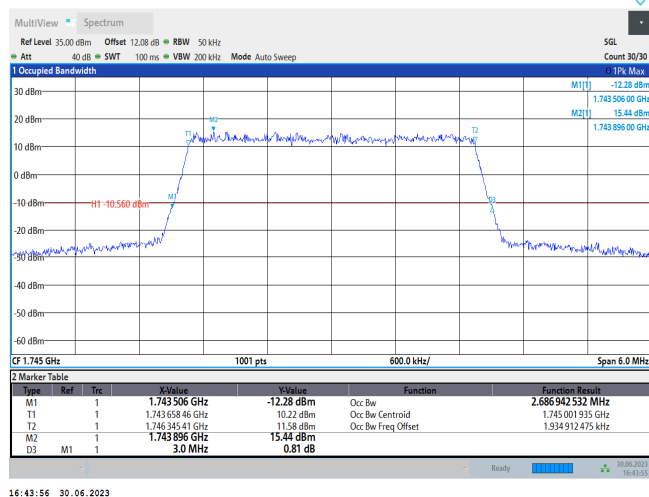
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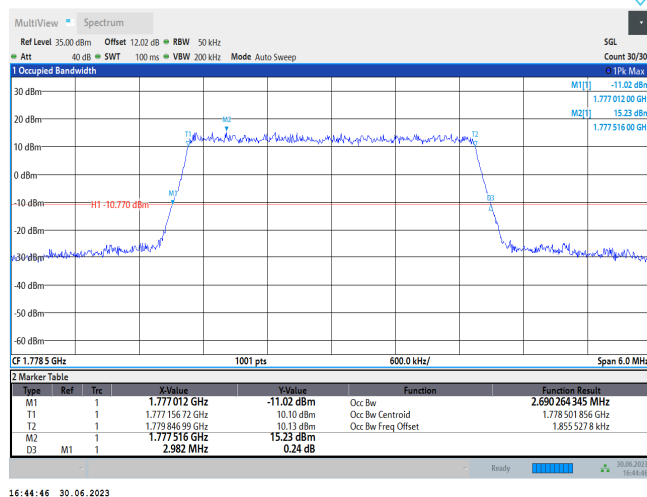
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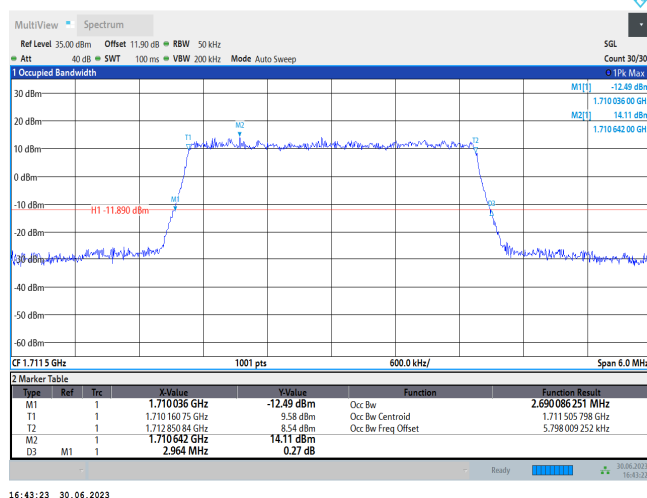
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## Band66-3MHz-64QAM-131987-15RB#0



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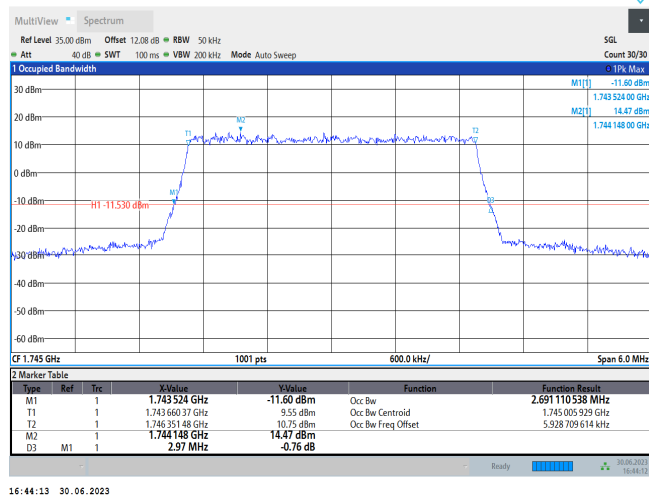


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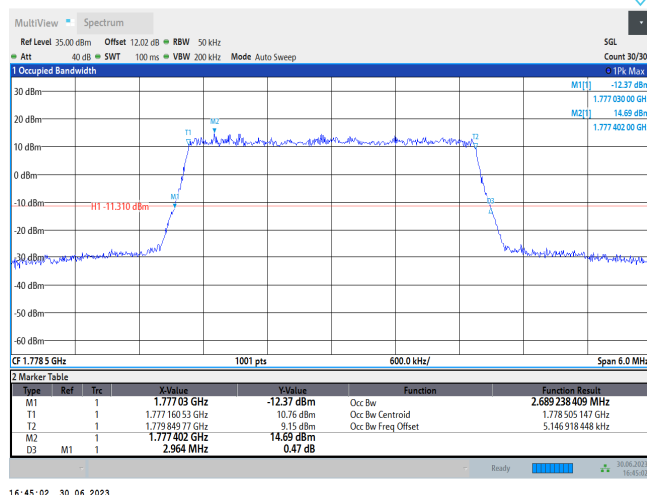
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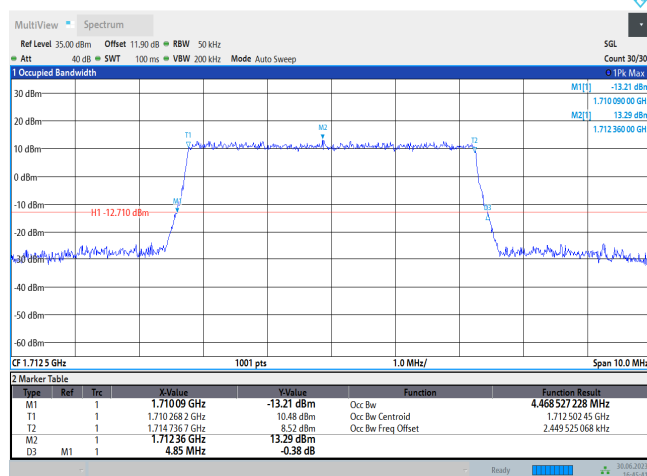
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## Band66-5MHz-QPSK-131997-25RB#0



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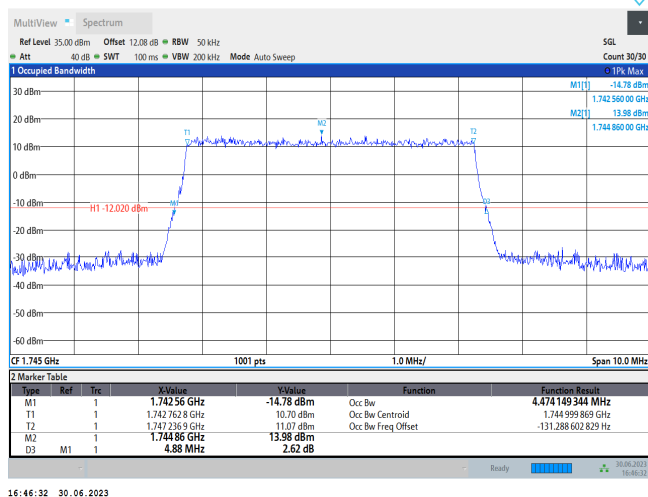
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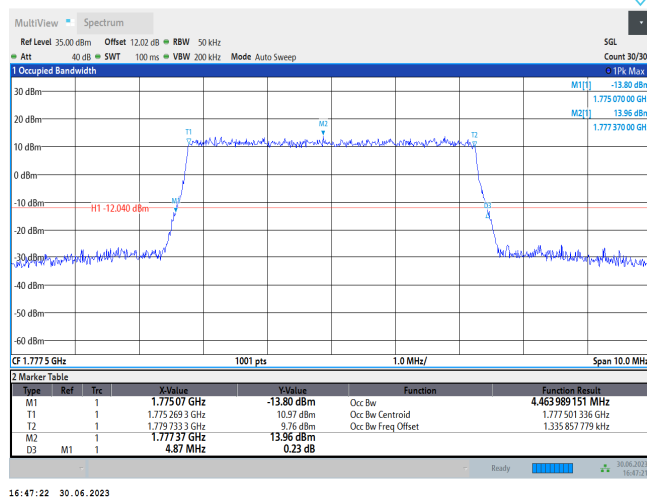
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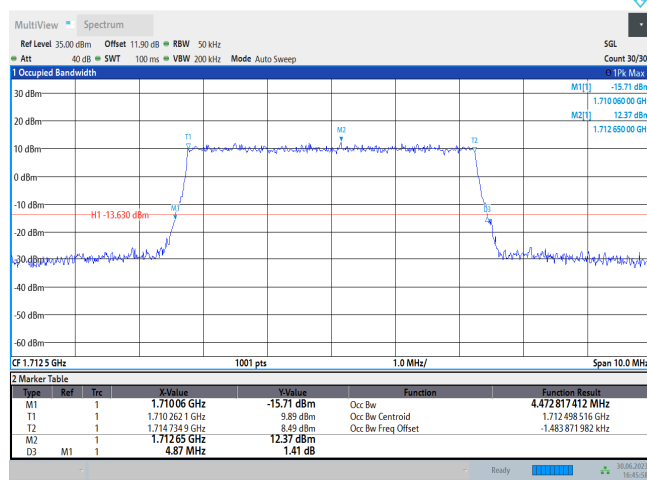
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## Band66-5MHz-QPSK-132647-25RB#0



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



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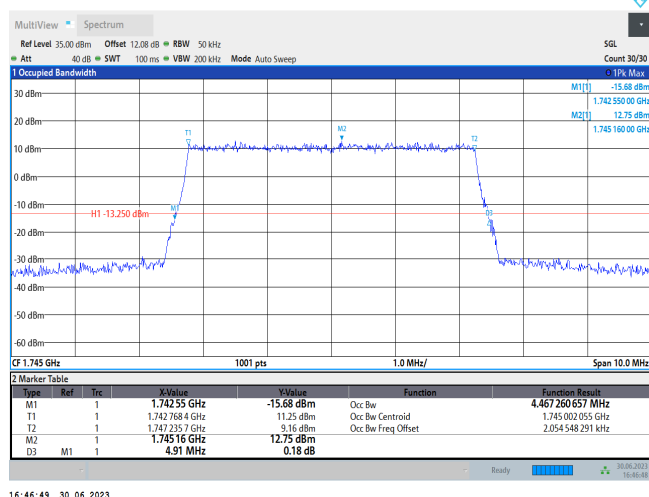
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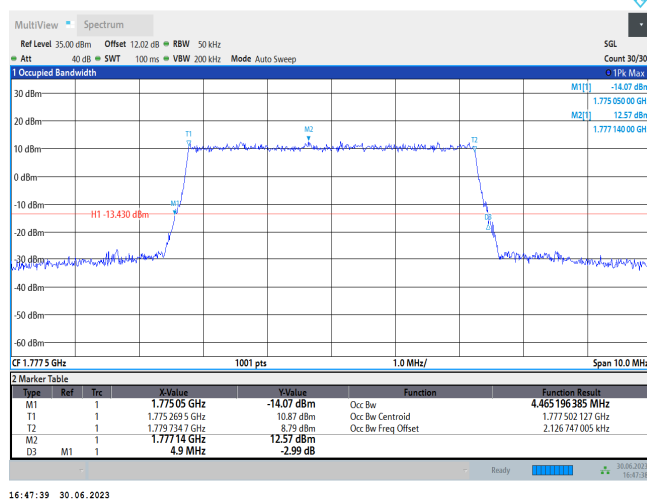


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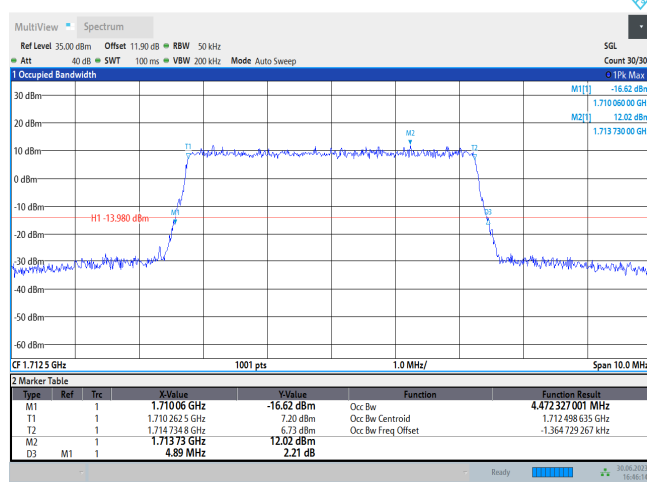
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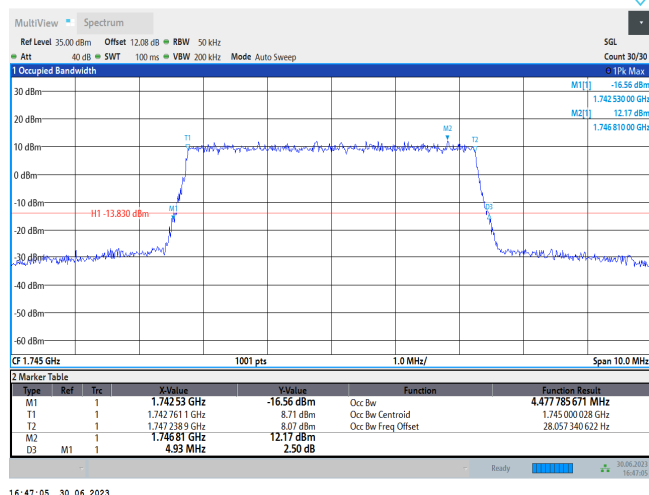
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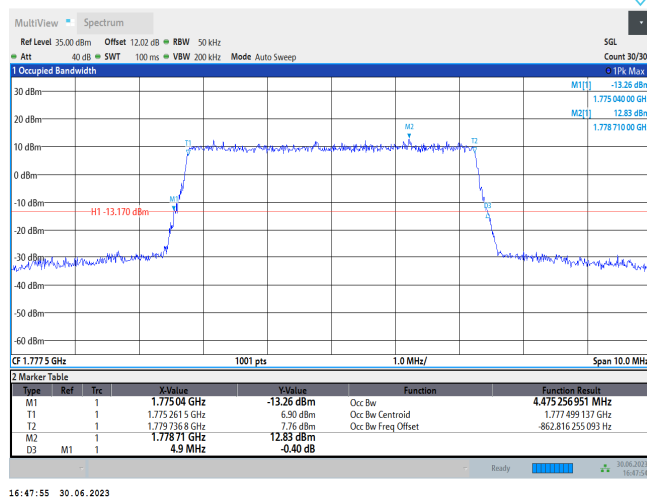
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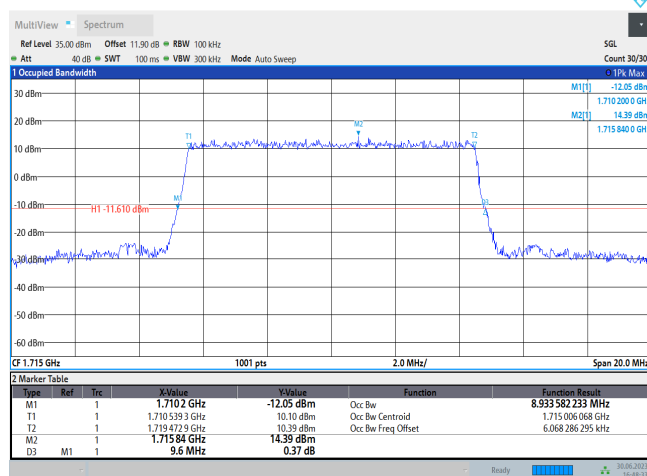
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## Band66-10MHz-QPSK-132022-50RB#0



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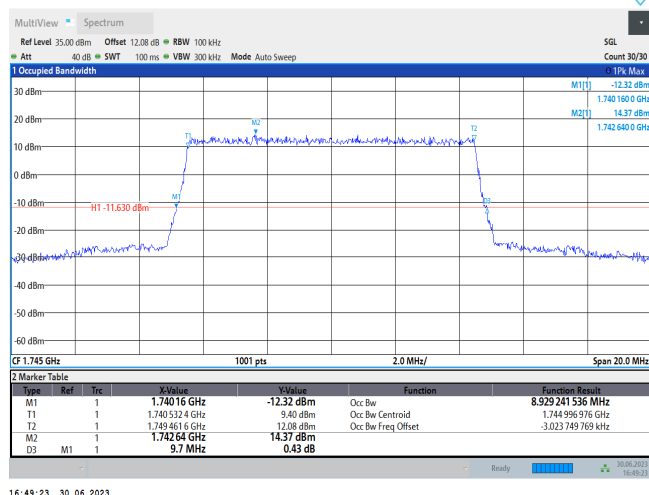
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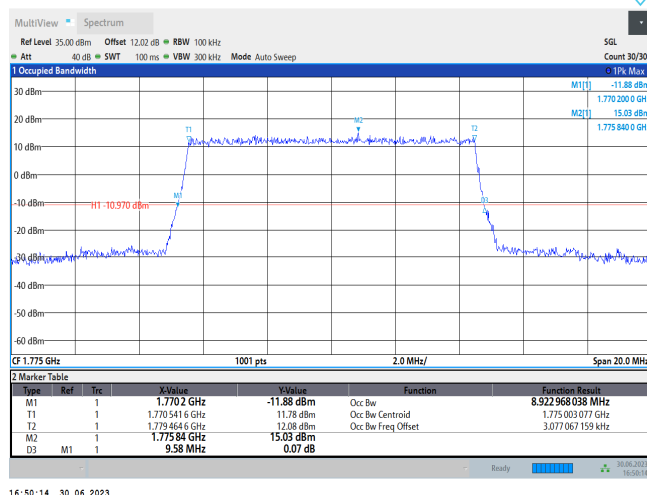
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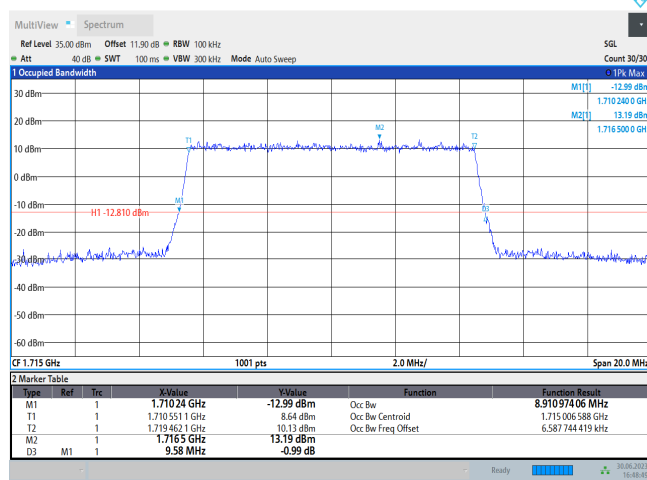
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## Band66-10MHz-QPSK-132622-50RB#0



16:50:14 30.06.2023

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



16:48:50 30.06.2023

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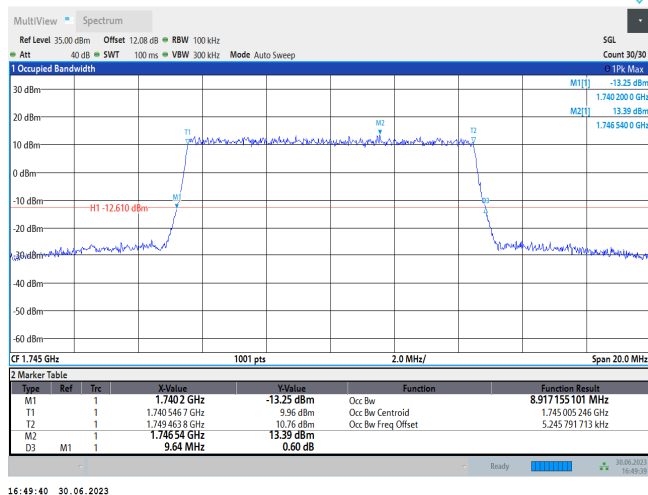


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### Band66-10MHz-16QAM-132322-50RB#0



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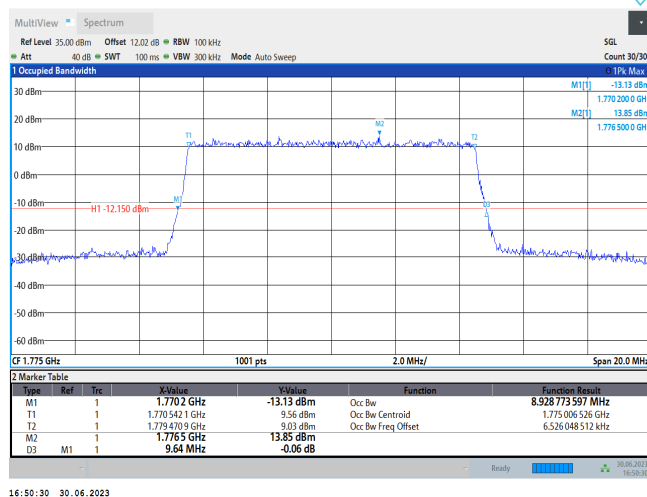
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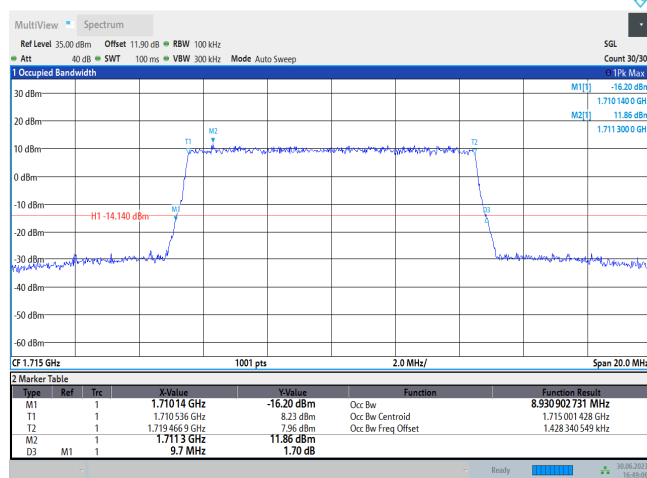
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### Band66-10MHz-16QAM-132622-50RB#0



16:50:30 30.06.2023

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



16:49:06 30.06.2023



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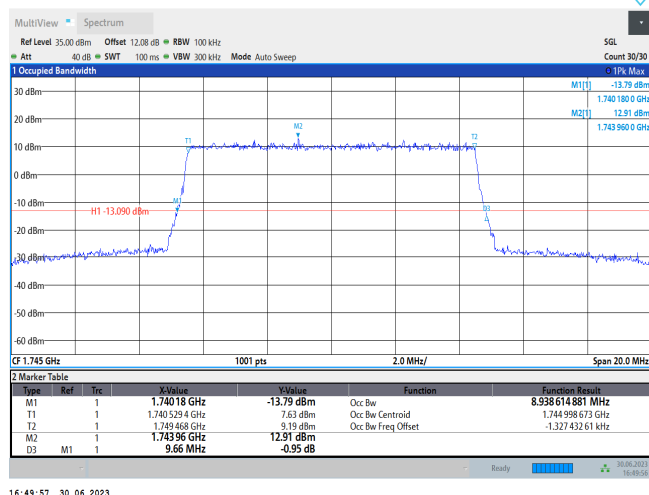
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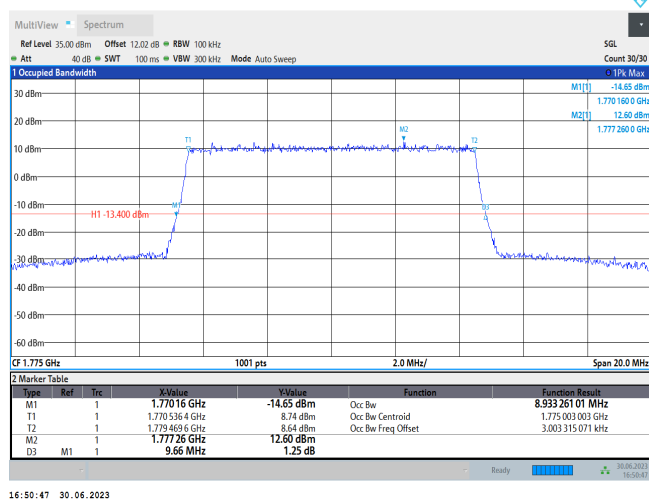


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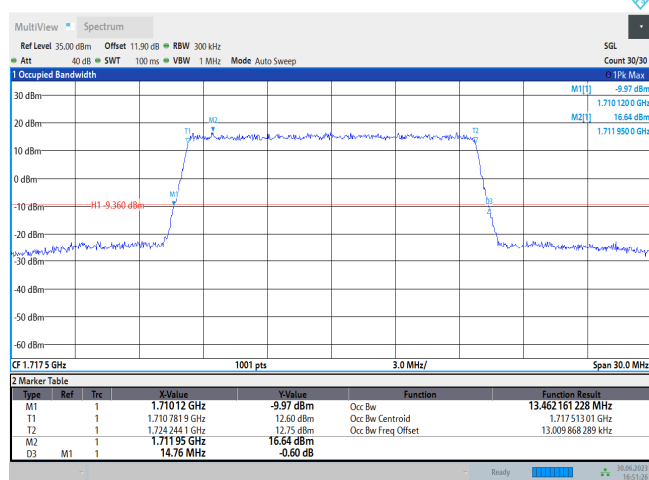
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## Band66-10MHz-64QAM-132622-50RB#0



16:50:47 30.06.2023

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



16:51:27 30.06.2023



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

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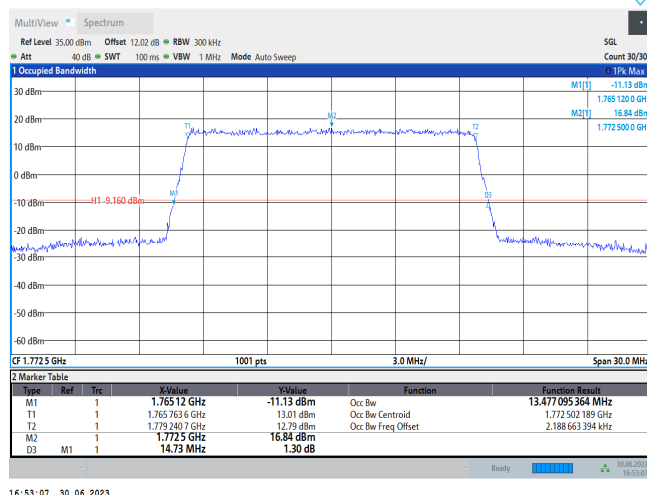


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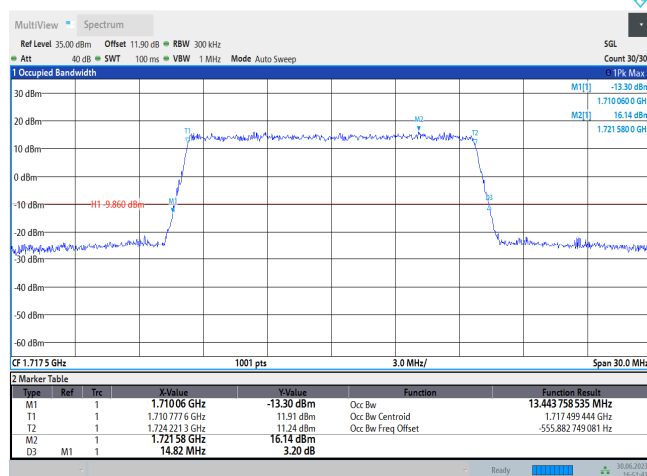
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## Band66-15MHz-QPSK-132597-75RB#0



16:53:07 30.06.2023

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



16:51:44 30.06.2023

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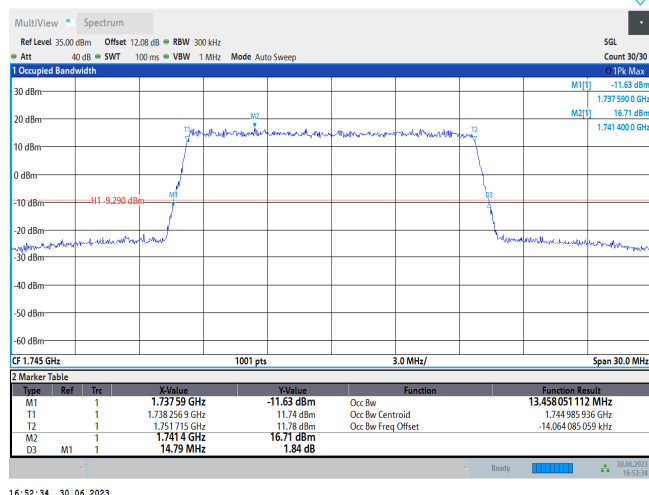
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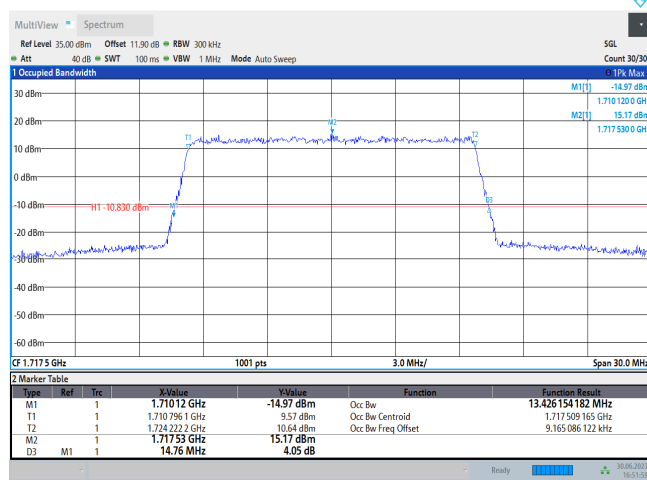
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## Band66-15MHz-16QAM-132597-75RB#0



16:53:24 30.06.2023

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



16:52:00 30.06.2023

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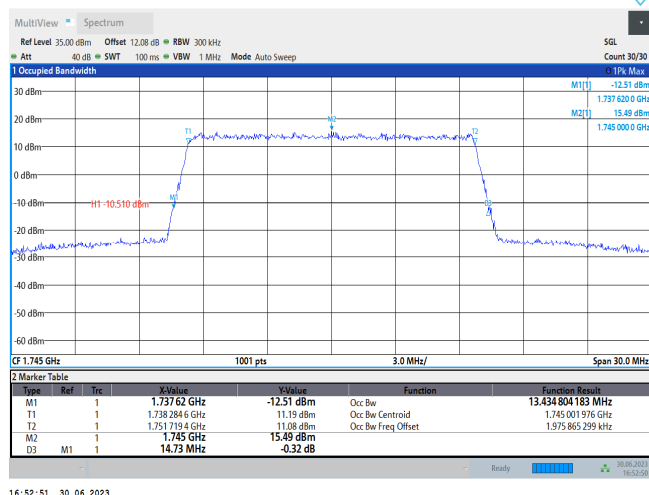
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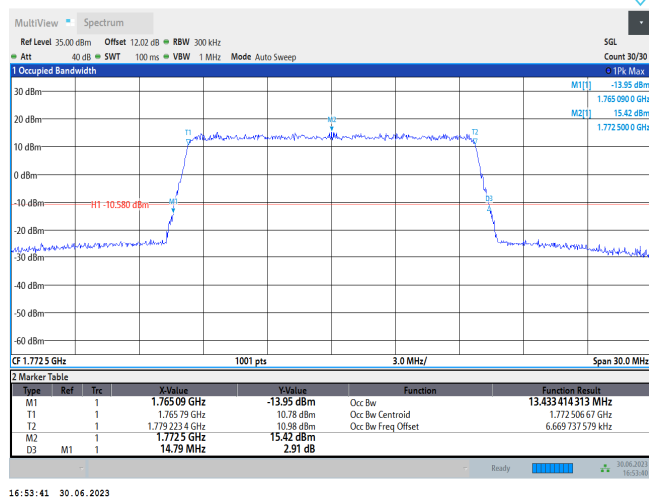
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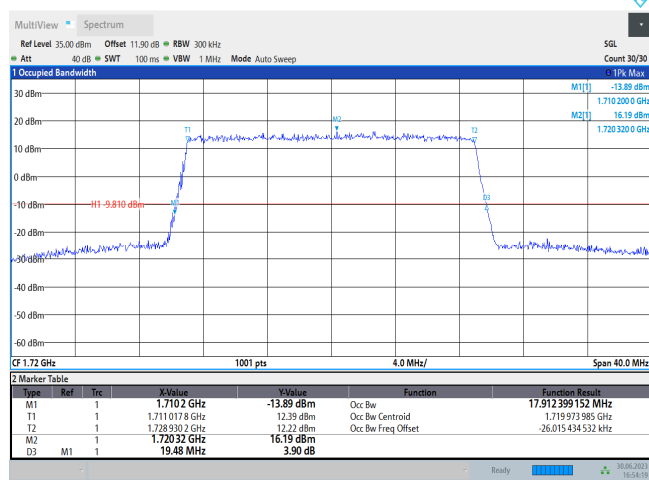
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## Band66-15MHz-64QAM-132597-75RB#0



16:53:41 30.06.2023

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



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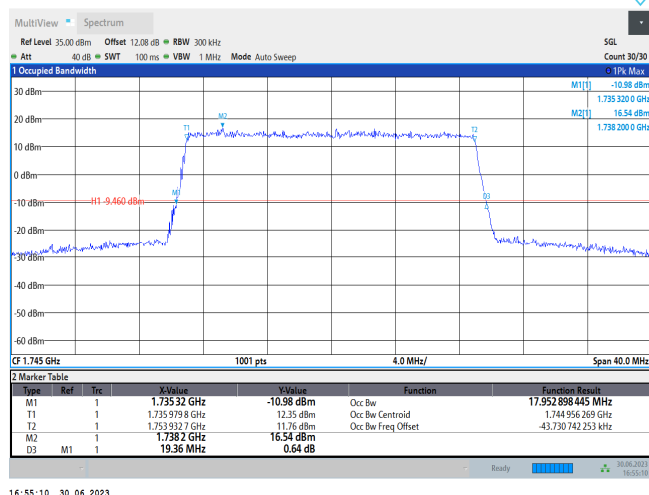


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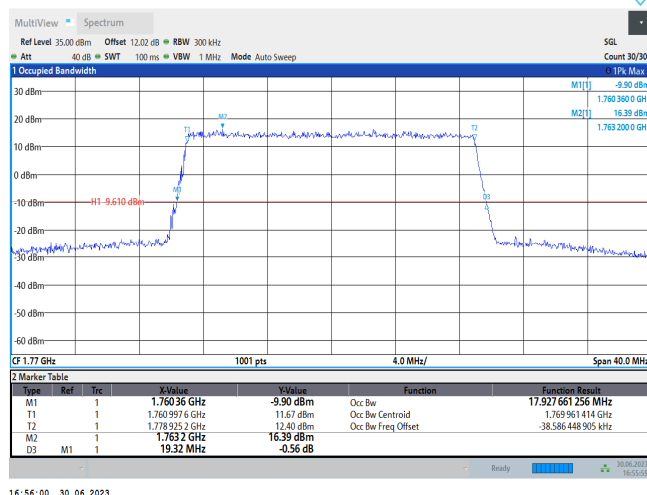
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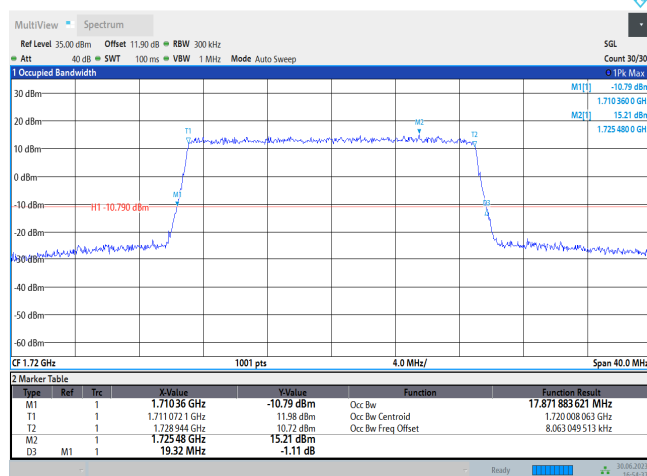
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## Band66-20MHz-QPSK-132572-100RB#0



16:56:00 30.06.2023

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



16:54:37 30.06.2023

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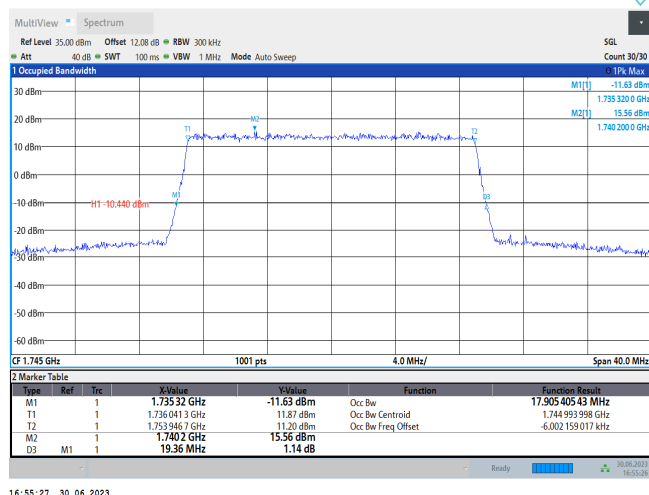
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### Band66-20MHz-16QAM-132322-100RB#0



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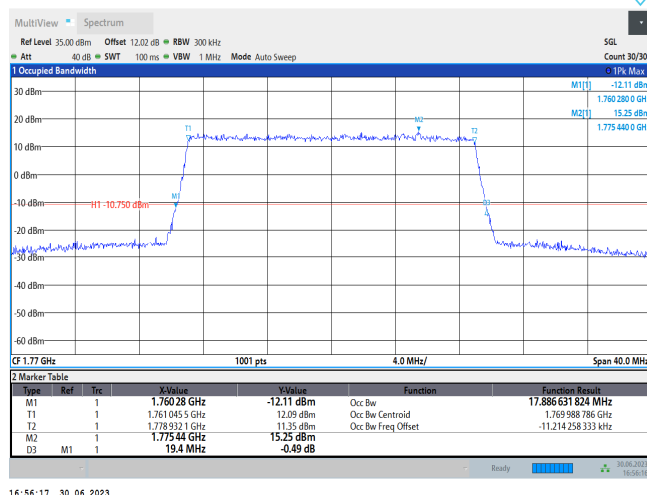
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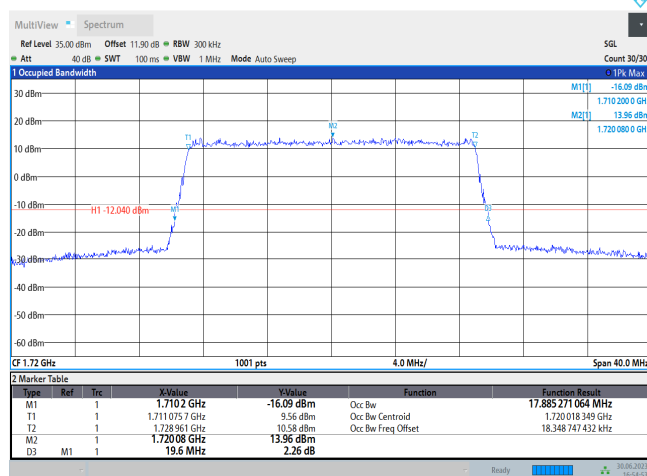
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## Band66-20MHz-16QAM-132572-100RB#0



16:56:17 30.06.2023

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



16:54:54 30.06.2023



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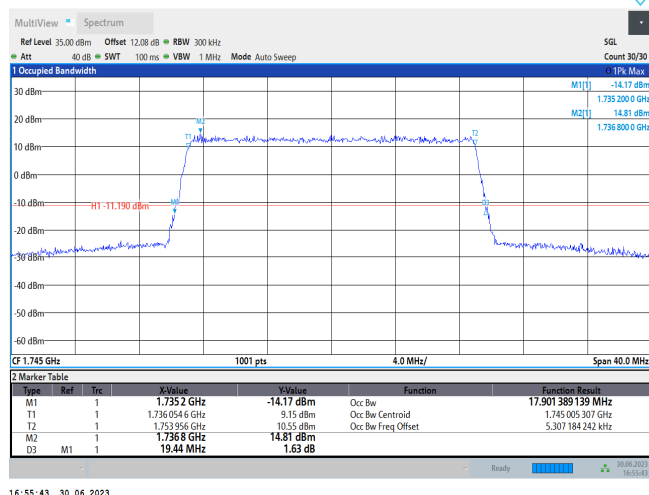
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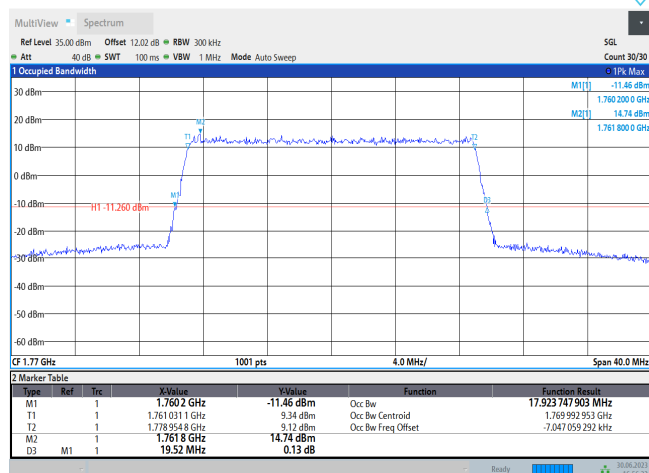
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16:55:43 30.06.2023

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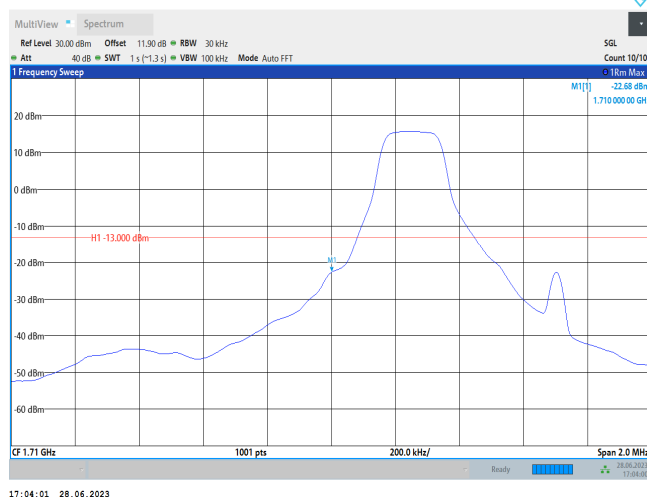
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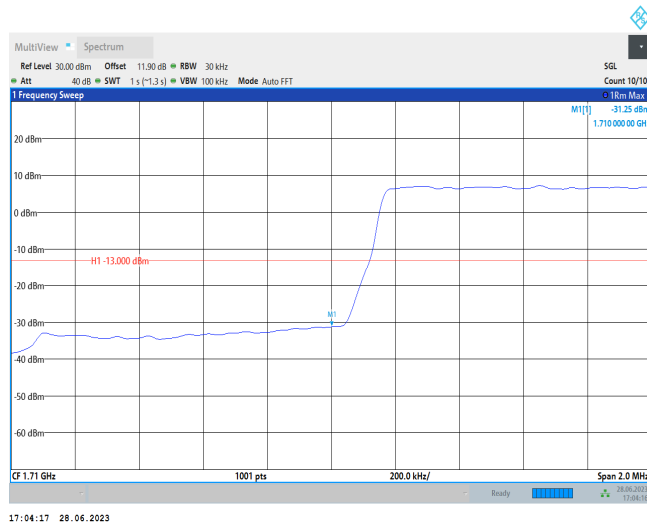
### Band Edge

### Test Graphs

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



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



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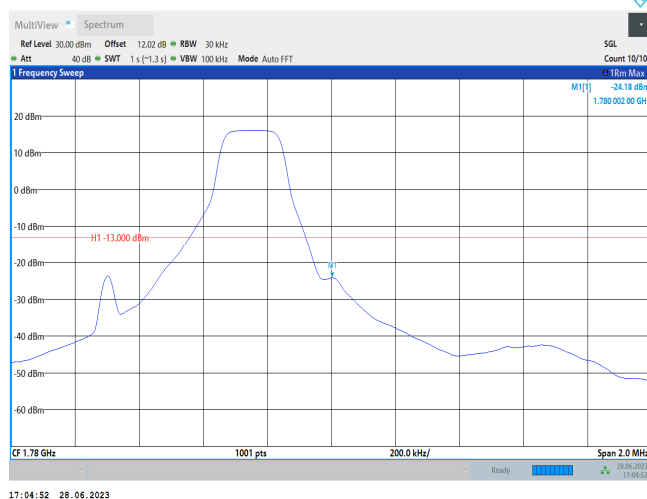
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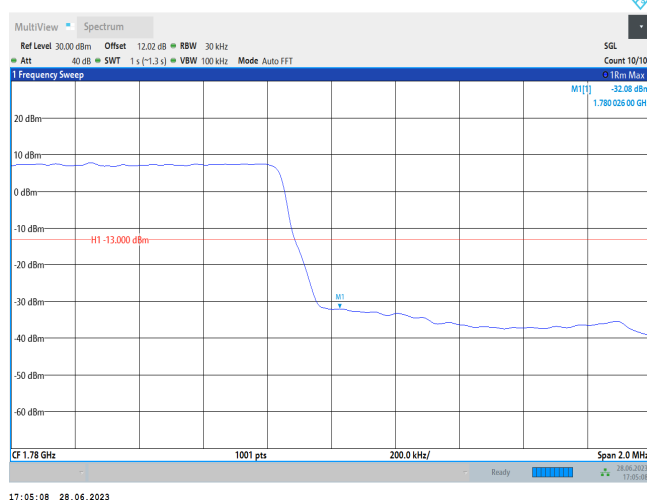
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### Band66-1.4MHz-QPSK-132665-1RB#5



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



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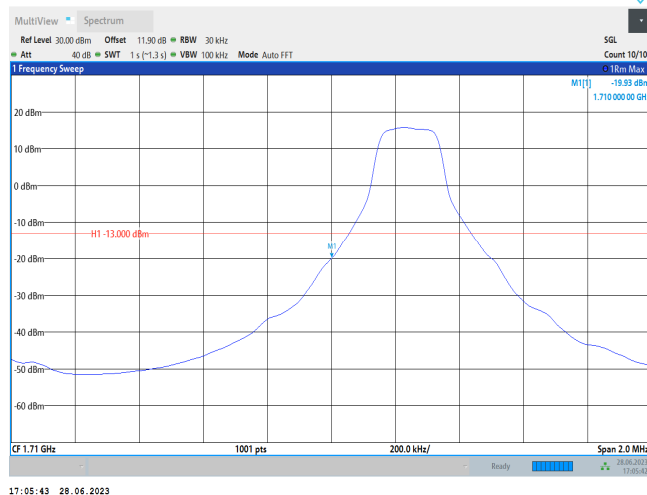
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### Band66-3MHz-QPSK-131987-1RB#0



17:05:43 28.06.2023



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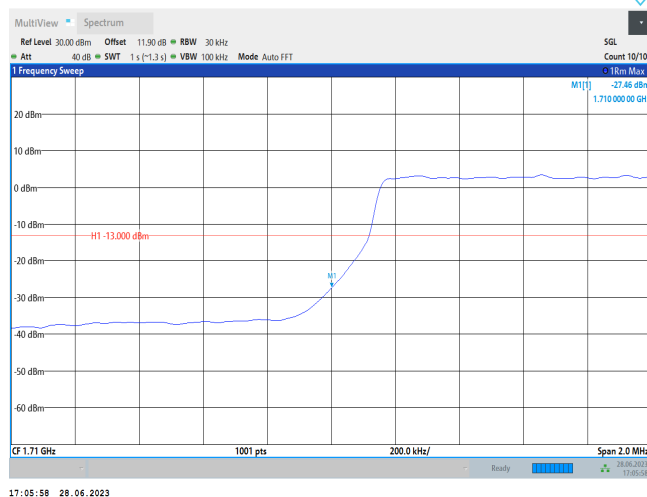
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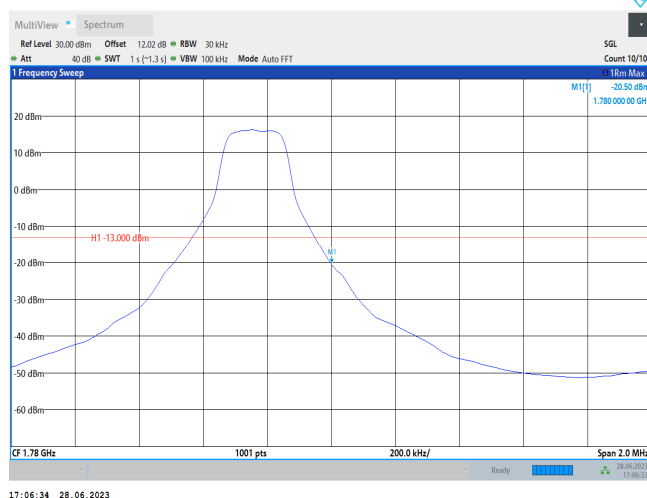
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### Band66-3MHz-QPSK-131987-15RB#0



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



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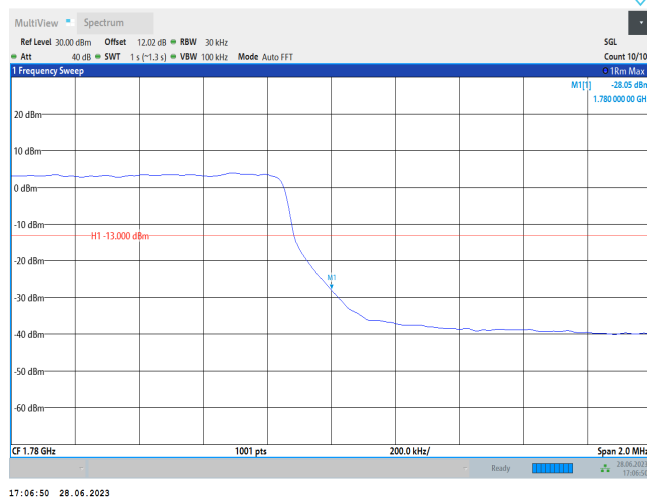
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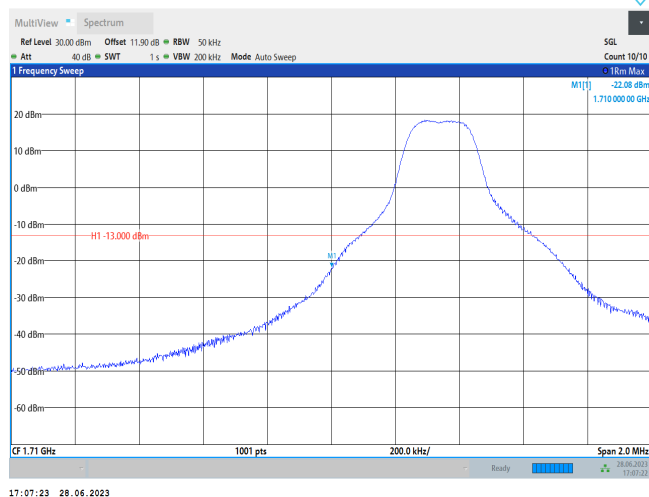
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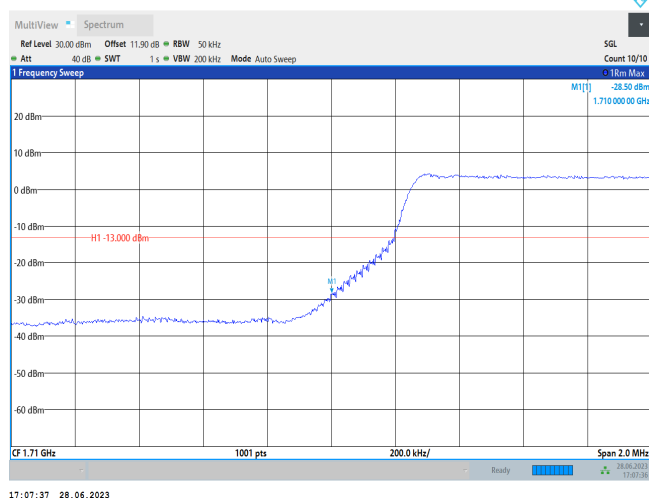
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### Band66-5MHz-QPSK-131997-25RB#0



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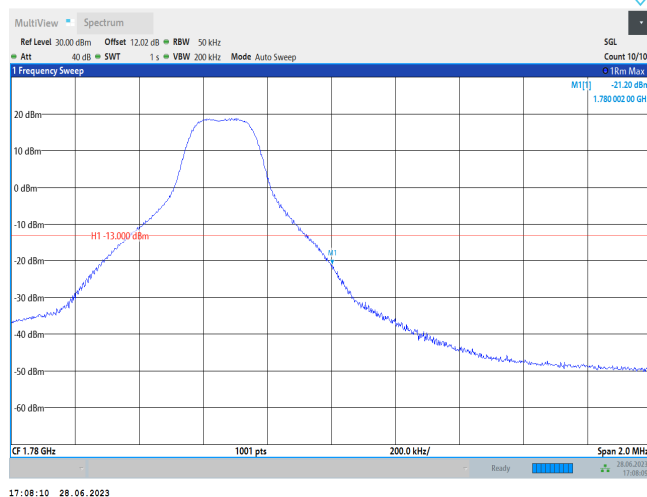


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### Band66-5MHz-QPSK-132647-1RB#24



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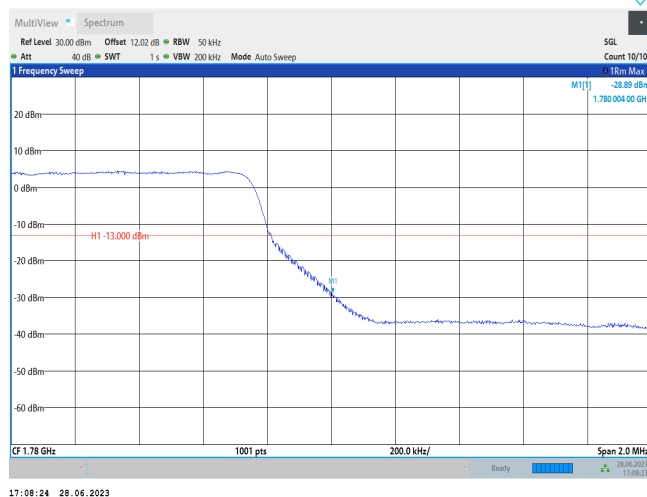
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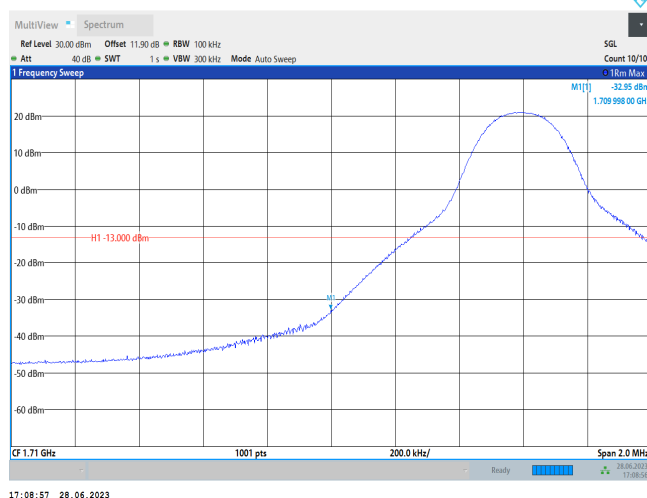
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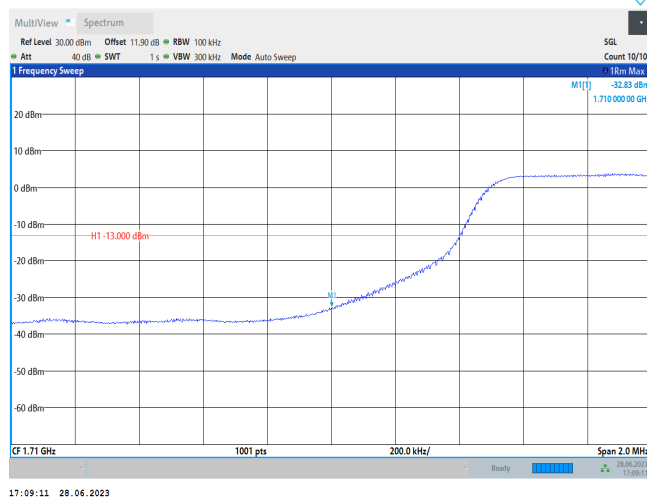
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### Band66-10MHz-QPSK-132022-50RB#0



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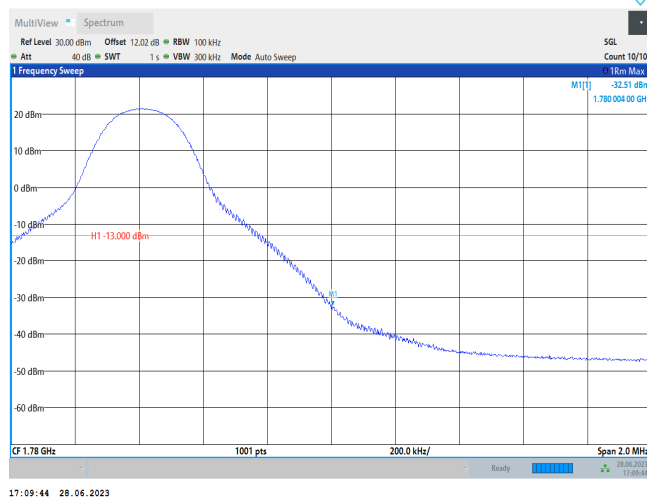
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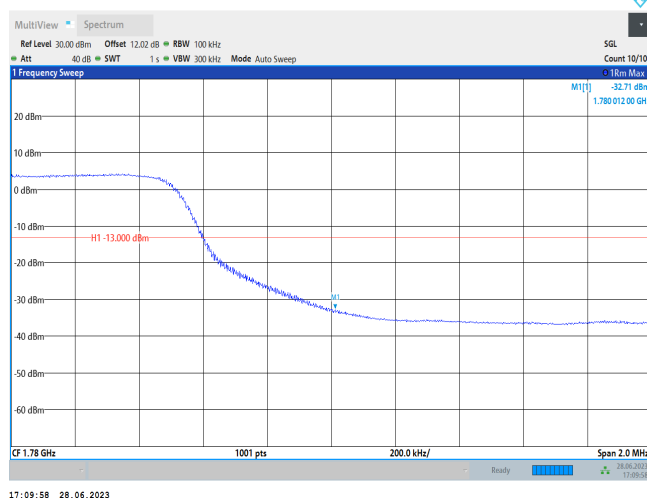
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### Band66-10MHz-QPSK-132622-1RB#49



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



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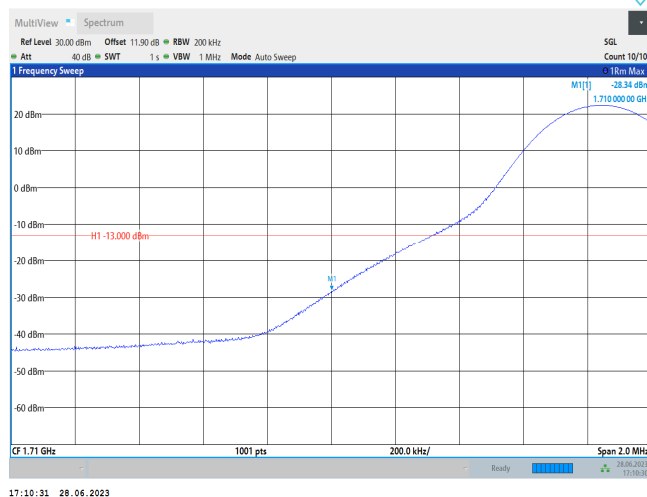
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### Band66-15MHz-QPSK-132047-1RB#0



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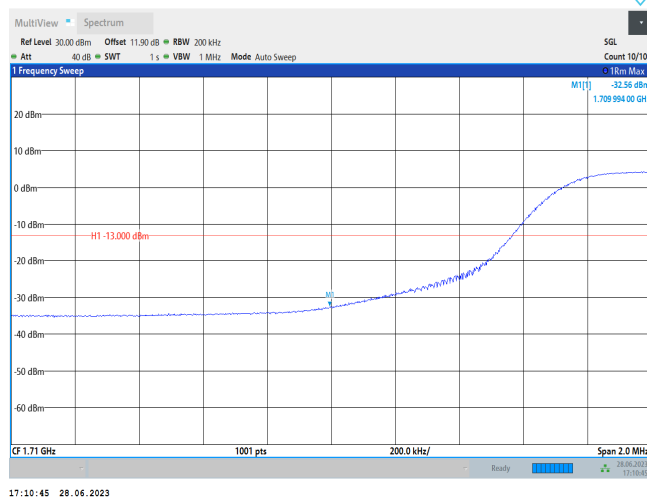
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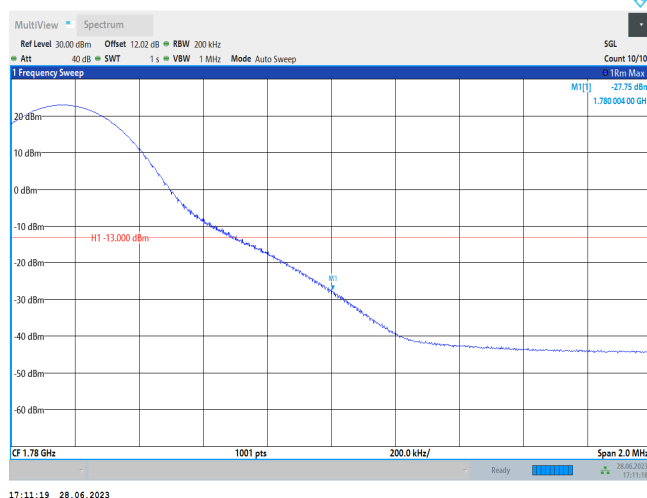
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### Band66-15MHz-QPSK-132047-75RB#0



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



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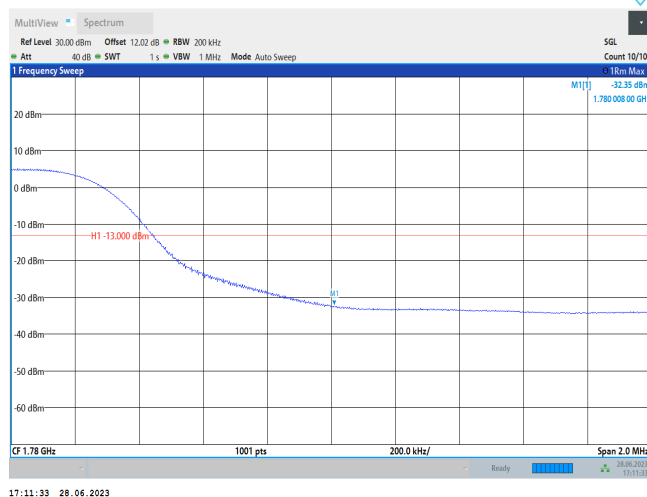


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### Band66-15MHz-QPSK-132597-75RB#0



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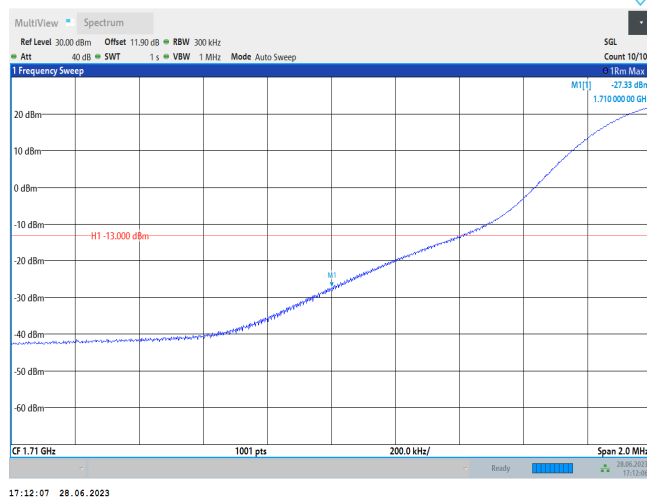
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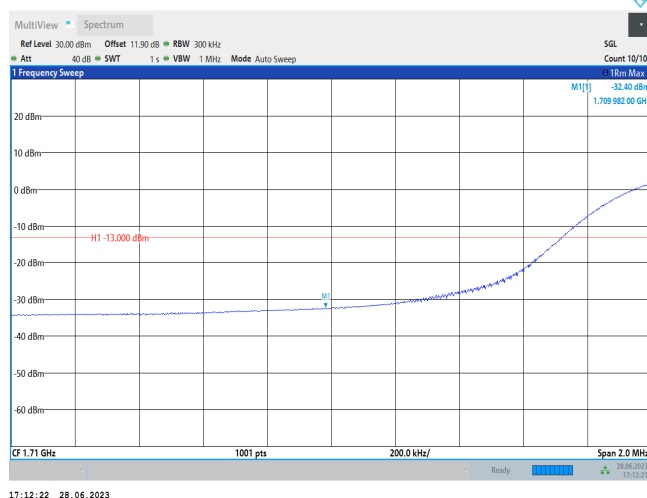
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### Band66-20MHz-QPSK-132072-1RB#0



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



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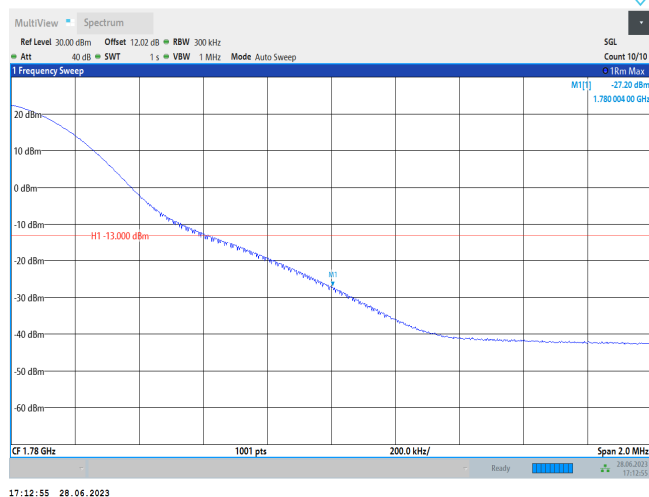
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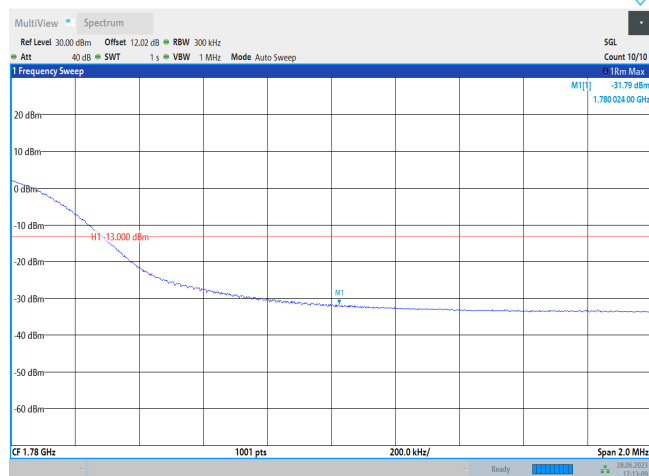
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### Band66-20MHz-QPSK-132572-1RB#99



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



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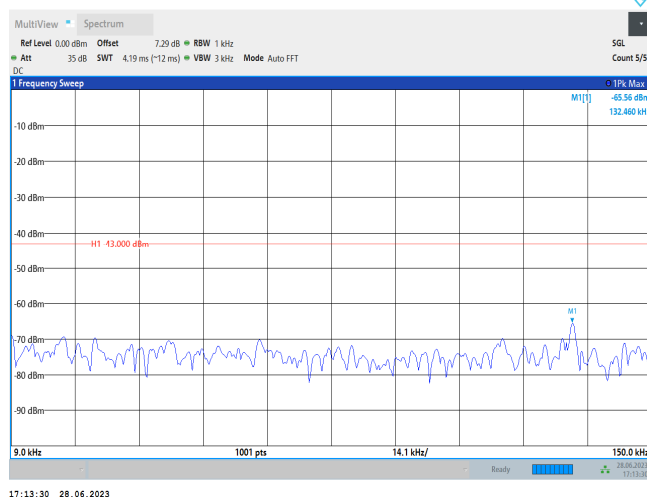
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### Conducted Spurious Emission

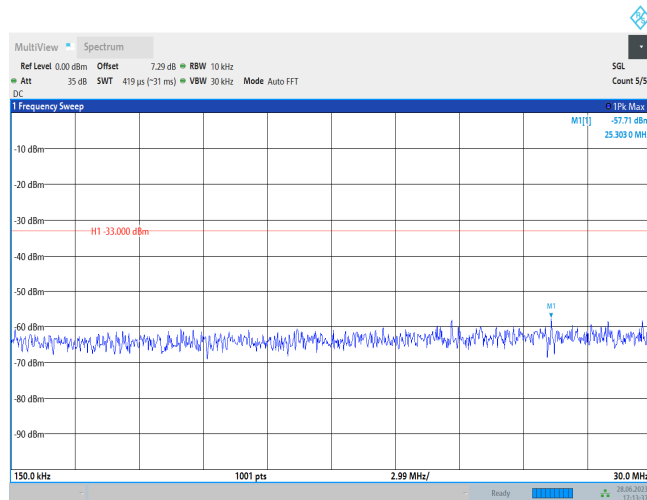
#### Test Graphs

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



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



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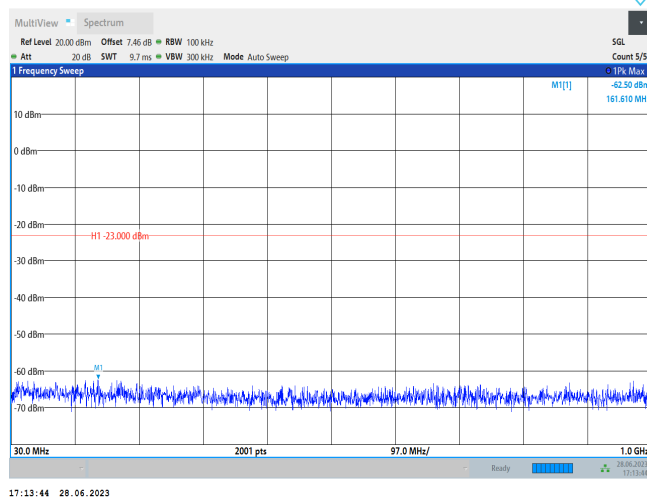
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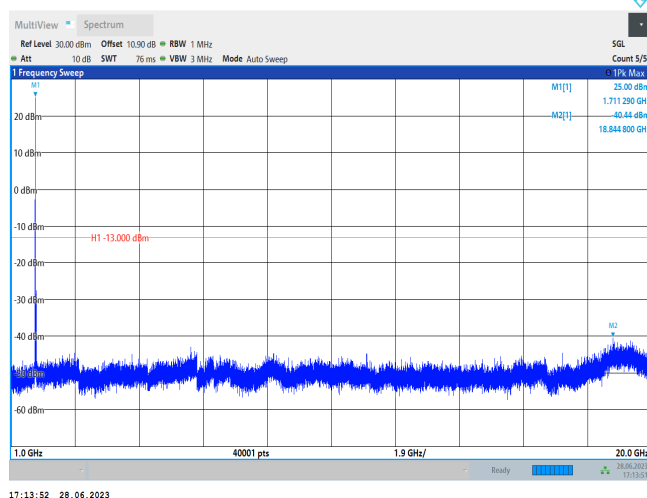
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### Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



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



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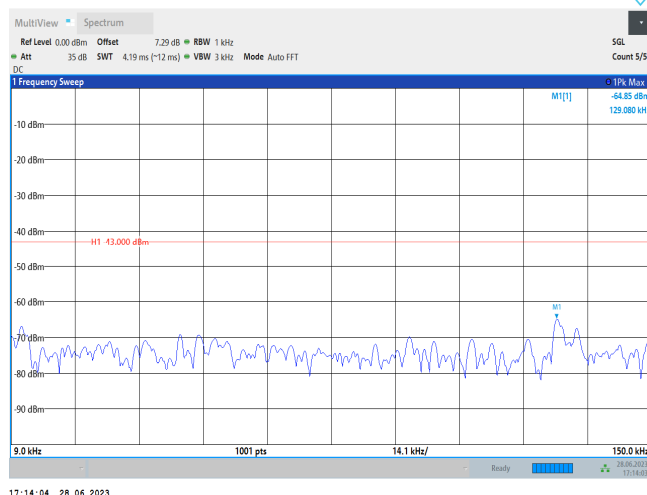
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### Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



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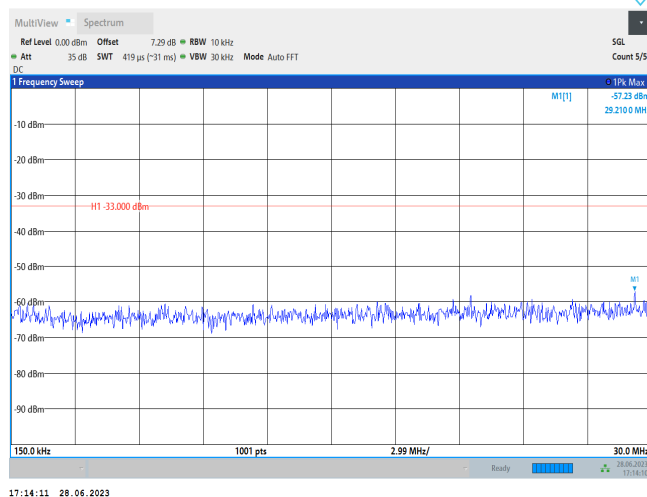


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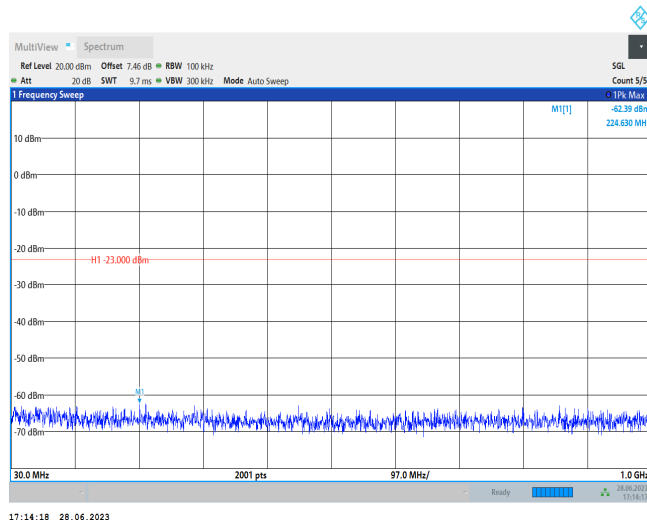
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### Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



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



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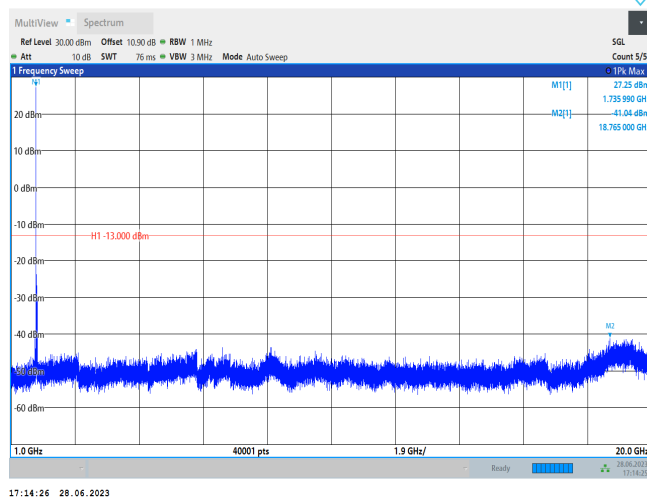
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### Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



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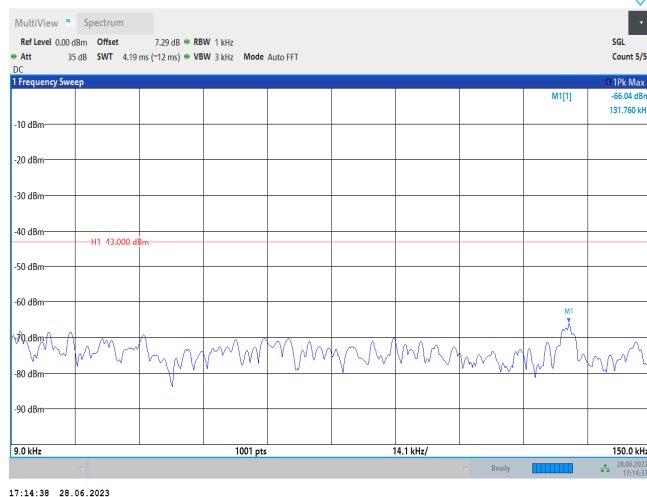
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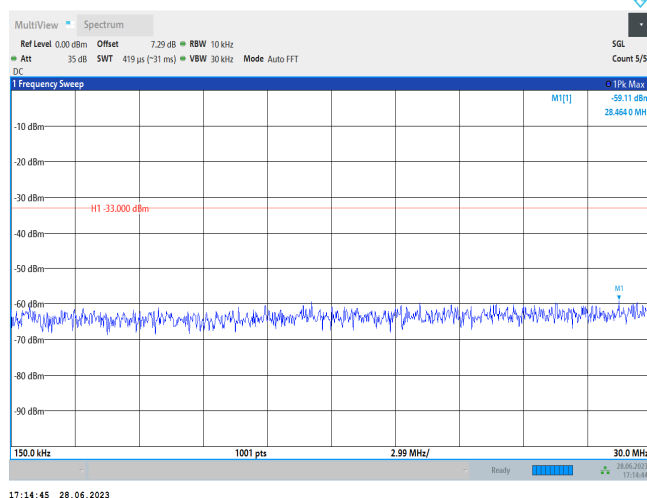
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### Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



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



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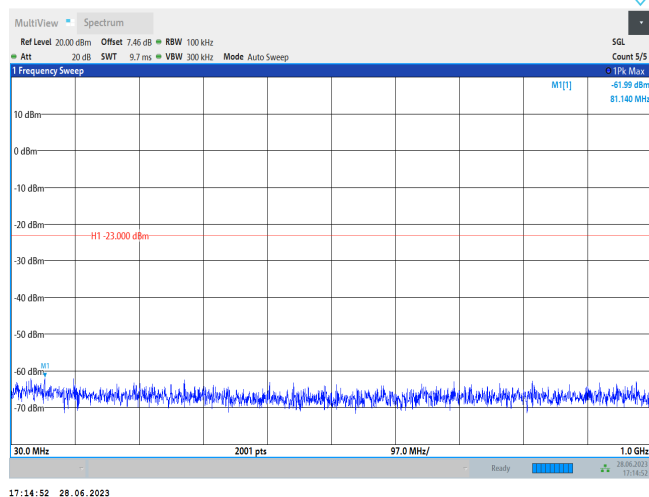
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### Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



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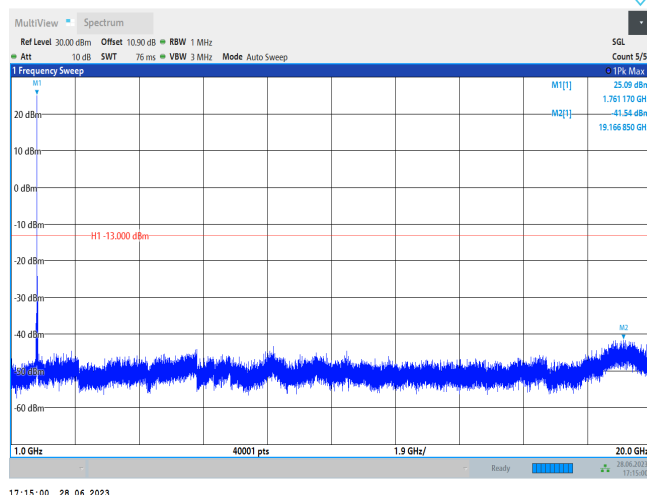
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### Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~20000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE\_66\_TM1\_20MHz

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2996.444	39.04	-21.78	28.58	-49.42	-13.00	36.42	237	130	Horizontal
2	3703.2281	48.60	-44.52	29.32	-61.86	-13.00	48.86	225	70	Horizontal
3	5372.4949	46.63	-42.08	32.33	-58.38	-13.00	45.38	148	316	Horizontal
4	7364.5746	44.62	-38.49	36.56	-52.57	-13.00	39.57	339	96	Horizontal
5	10942.5177	43.54	-37.24	40.16	-48.80	-13.00	35.80	320	11	Horizontal
6	15175.087	42.99	-36.27	39.85	-48.69	-13.00	35.69	189	235	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2996.444	39.12	-21.78	28.58	-49.34	-13.00	36.34	283	82	Vertical
2	3728.4291	48.34	-44.63	29.47	-62.08	-13.00	49.08	334	38	Vertical
3	5607.7043	46.94	-41.42	32.58	-57.16	-13.00	44.16	256	11	Vertical
4	7859.5944	44.31	-37.65	36.74	-51.86	-13.00	38.86	398	87	Vertical
5	11033.1213	43.43	-37.18	40.13	-48.88	-13.00	35.88	221	164	Vertical
6	15196.6879	42.43	-35.42	39.72	-48.53	-13.00	35.53	146	356	Vertical



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Test Band = LTE\_66\_TM1\_20MHz  
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2995.5551	38.82	-21.78	28.57	-49.65	-13.00	36.65	157	205	Horizontal
2	3692.4277	48.28	-44.50	29.30	-62.18	-13.00	49.18	169	263	Horizontal
3	4699.868	47.34	-42.92	30.60	-60.24	-13.00	47.24	211	339	Horizontal
4	6858.7544	45.29	-39.33	35.56	-53.74	-13.00	40.74	200	339	Horizontal
5	8550.222	44.09	-36.68	36.60	-51.25	-13.00	38.25	347	290	Horizontal
6	10965.9186	43.47	-37.13	40.13	-48.79	-13.00	35.79	140	16	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2998.8888	38.96	-21.77	28.59	-49.48	-13.00	36.48	210	296	Vertical
2	3934.8374	48.27	-44.19	29.84	-61.34	-13.00	48.34	241	338	Vertical
3	7051.9621	45.01	-39.39	36.19	-53.45	-13.00	40.45	347	262	Vertical
4	8494.4198	44.06	-36.49	36.49	-51.20	-13.00	38.20	116	333	Vertical
5	11844.9538	44.38	-39.29	39.84	-50.33	-13.00	37.33	190	212	Vertical
6	15180.4872	42.65	-36.06	39.82	-48.85	-13.00	35.85	147	96	Vertical



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Test Band = LTE\_66\_TM1\_20MHz  
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2997.7775	38.95	-21.77	28.59	-49.49	-13.00	36.49	198	320	Horizontal
2	5685.1074	46.90	-41.18	32.50	-57.04	-13.00	44.04	177	306	Horizontal
3	9516.8607	43.52	-35.95	37.80	-49.89	-13.00	36.89	254	29	Horizontal
4	13561.6225	43.51	-37.90	40.02	-49.63	-13.00	36.63	291	328	Horizontal
5	15178.6871	42.61	-36.13	39.83	-48.95	-13.00	35.95	222	105	Horizontal
6	16406.3363	42.02	-34.87	38.83	-49.28	-13.00	36.28	178	29	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2998.222	39.04	-21.77	28.59	-49.40	-13.00	36.40	247	168	Vertical
2	4989.6796	46.98	-42.74	31.16	-59.86	-13.00	46.86	147	158	Vertical
3	7881.7953	44.42	-37.56	36.61	-51.79	-13.00	38.79	284	118	Vertical
4	11067.9227	43.75	-37.39	40.17	-48.73	-13.00	35.73	171	176	Vertical
5	13484.8194	43.85	-38.11	39.85	-49.67	-13.00	36.67	114	46	Vertical
6	16356.5343	42.45	-35.06	38.67	-49.20	-13.00	36.20	354	113	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	4.72	0.002705	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	6.28	0.003599	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-12.13	-0.006951	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	8.07	0.004625	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-5.38	-0.003083	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-7.87	-0.004510	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	7.60	0.004355	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	7.81	0.004476	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-11.60	-0.006648	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-7.31	-0.004189	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-7.93	-0.004544	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	6.35	0.003639	PASS

---End of Attachment---



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