

# Appendix B

## E-UTRA Band 66

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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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# 1 Effective (Isotropic) Radiated Power

## 1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	22.34	16.34	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.57	16.57	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.59	16.59	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.62	16.62	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.66	16.66	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.62	16.62	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.70	15.7	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.43	16.43	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.59	16.59	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.39	16.39	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.62	16.62	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.68	16.68	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.55	16.55	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.49	15.49	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	21.91	15.91	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	21.99	15.99	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	21.88	15.88	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.01	16.01	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.08	16.08	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.00	16	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	20.98	14.98	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.12	15.12	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.24	15.24	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.18	15.18	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.70	15.7	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.71	15.71	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.53	15.53	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.65	14.65	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.07	15.07	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.16	15.16	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.08	15.08	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.65	15.65	30.00	PASS

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Band66	1.4MHz	16QAM	132322	3RB#1	21.71	15.71	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.62	15.62	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.61	14.61	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	20.56	14.56	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	20.71	14.71	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	20.48	14.48	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.14	15.14	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	20.92	14.92	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.16	15.16	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.31	14.31	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.65	16.65	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.64	16.64	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.26	16.26	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.53	15.53	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.59	15.59	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.56	15.56	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.52	15.52	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.44	16.44	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.53	16.53	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.26	16.26	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.53	15.53	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.52	15.52	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.47	15.47	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.44	15.44	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.03	16.03	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.02	16.02	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	21.69	15.69	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.10	15.1	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.04	15.04	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.01	15.01	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.08	15.08	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.14	15.14	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.13	15.13	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.21	15.21	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.44	14.44	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.45	14.45	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	20.62	14.62	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.60	14.6	30.00	PASS

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Band66	3MHz	16QAM	132322	1RB#0	21.23	15.23	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.10	15.1	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.11	15.11	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.44	14.44	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.42	14.42	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.41	14.41	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.56	14.56	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	20.37	14.37	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	20.38	14.38	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	20.74	14.74	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	19.92	13.92	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	19.91	13.91	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	19.87	13.87	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.18	14.18	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.34	16.34	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.87	16.87	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.21	16.21	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.57	15.57	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.59	15.59	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.50	15.5	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.54	15.54	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.39	16.39	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.66	16.66	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.10	16.1	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.50	15.5	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.56	15.56	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.36	15.36	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.50	15.5	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	21.77	15.77	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.09	16.09	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	21.66	15.66	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.14	15.14	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.06	15.06	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	20.83	14.83	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.07	15.07	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.09	15.09	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.49	15.49	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.11	15.11	30.00	PASS

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Band66	5MHz	16QAM	131997	12RB#0	20.40	14.4	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.44	14.44	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.45	14.45	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.61	14.61	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.25	15.25	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.43	15.43	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.08	15.08	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.39	14.39	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.46	14.46	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.60	14.6	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.63	14.63	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	20.41	14.41	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.41	15.41	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	20.21	14.21	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	19.91	13.91	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	19.89	13.89	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	19.88	13.88	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	19.98	13.98	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.53	16.53	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.93	16.93	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.41	16.41	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.72	15.72	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.68	15.68	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.59	15.59	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.61	15.61	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.61	16.61	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.93	16.93	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.06	16.06	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	21.71	15.71	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.70	15.7	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.36	15.36	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.47	15.47	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	21.97	15.97	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.35	16.35	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	21.47	15.47	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.25	15.25	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.18	15.18	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	20.78	14.78	30.00	PASS

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Band66	10MHz	QPSK	132622	50RB#0	21.03	15.03	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.31	15.31	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.44	15.44	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.29	15.29	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.56	14.56	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.70	14.7	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	20.61	14.61	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.61	14.61	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.42	15.42	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.02	16.02	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.10	15.1	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.69	14.69	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.61	14.61	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.47	14.47	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	20.59	14.59	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	20.70	14.7	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	20.82	14.82	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	20.67	14.67	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.18	14.18	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.19	14.19	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.20	14.2	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.04	14.04	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.51	16.51	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.47	17.47	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.32	16.32	30.00	PASS
Band66	15MHz	QPSK	132047	38RB#0	22.31	16.31	30.00	PASS
Band66	15MHz	QPSK	132047	38RB#18	22.97	16.97	30.00	PASS
Band66	15MHz	QPSK	132047	38RB#37	22.91	16.91	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.57	15.57	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.57	16.57	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.75	16.75	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	21.89	15.89	30.00	PASS
Band66	15MHz	QPSK	132322	38RB#0	22.58	16.58	30.00	PASS
Band66	15MHz	QPSK	132322	38RB#18	22.78	16.78	30.00	PASS
Band66	15MHz	QPSK	132322	38RB#37	22.68	16.68	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.44	15.44	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.00	16	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.50	16.5	30.00	PASS

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Band66	15MHz	QPSK	132597	1RB#74	21.30	15.3	30.00	PASS
Band66	15MHz	QPSK	132597	38RB#0	22.06	16.06	30.00	PASS
Band66	15MHz	QPSK	132597	38RB#18	22.50	16.5	30.00	PASS
Band66	15MHz	QPSK	132597	38RB#37	22.23	16.23	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.01	15.01	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.05	15.05	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.27	15.27	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.17	15.17	30.00	PASS
Band66	15MHz	16QAM	132047	38RB#0	21.30	15.3	30.00	PASS
Band66	15MHz	16QAM	132047	38RB#18	21.31	15.31	30.00	PASS
Band66	15MHz	16QAM	132047	38RB#37	21.64	15.64	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.60	14.6	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.44	15.44	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.14	15.14	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.08	15.08	30.00	PASS
Band66	15MHz	16QAM	132322	38RB#0	21.38	15.38	30.00	PASS
Band66	15MHz	16QAM	132322	38RB#18	21.27	15.27	30.00	PASS
Band66	15MHz	16QAM	132322	38RB#37	21.13	15.13	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.58	14.58	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	20.87	14.87	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	20.72	14.72	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	20.68	14.68	30.00	PASS
Band66	15MHz	16QAM	132597	38RB#0	20.83	14.83	30.00	PASS
Band66	15MHz	16QAM	132597	38RB#18	20.78	14.78	30.00	PASS
Band66	15MHz	16QAM	132597	38RB#37	21.31	15.31	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.15	14.15	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.41	16.41	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.37	17.37	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.17	16.17	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.77	15.77	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.68	15.68	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.56	15.56	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.65	15.65	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.57	16.57	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.03	17.03	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.15	16.15	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.75	15.75	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.73	15.73	30.00	PASS

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Band66	20MHz	QPSK	132322	50RB#50	21.35	15.35	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.59	15.59	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.00	16	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.55	16.55	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	21.39	15.39	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.26	15.26	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.42	15.42	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	20.83	14.83	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.13	15.13	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.20	15.2	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.49	15.49	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.23	15.23	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	20.70	14.7	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	20.60	14.6	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	20.66	14.66	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.67	14.67	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.34	15.34	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.27	15.27	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.09	15.09	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	20.66	14.66	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	20.55	14.55	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	20.57	14.57	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.54	14.54	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.03	15.03	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	20.90	14.9	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	20.73	14.73	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	20.17	14.17	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	20.12	14.12	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	20.16	14.16	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.15	14.15	30.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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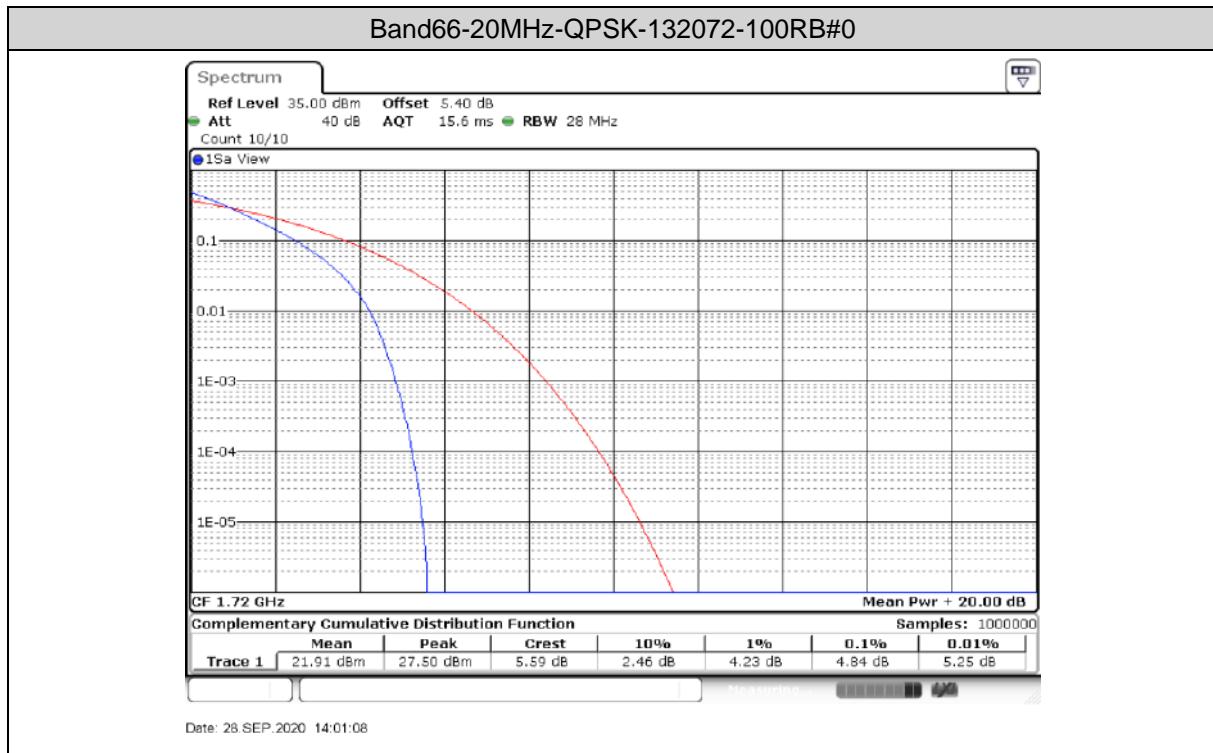
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## 2 Peak-to-Average Ratio (CCDF)

### 2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	4.84	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.13	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.68	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.00	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.97	13	PASS

### 2.2 Test Plots

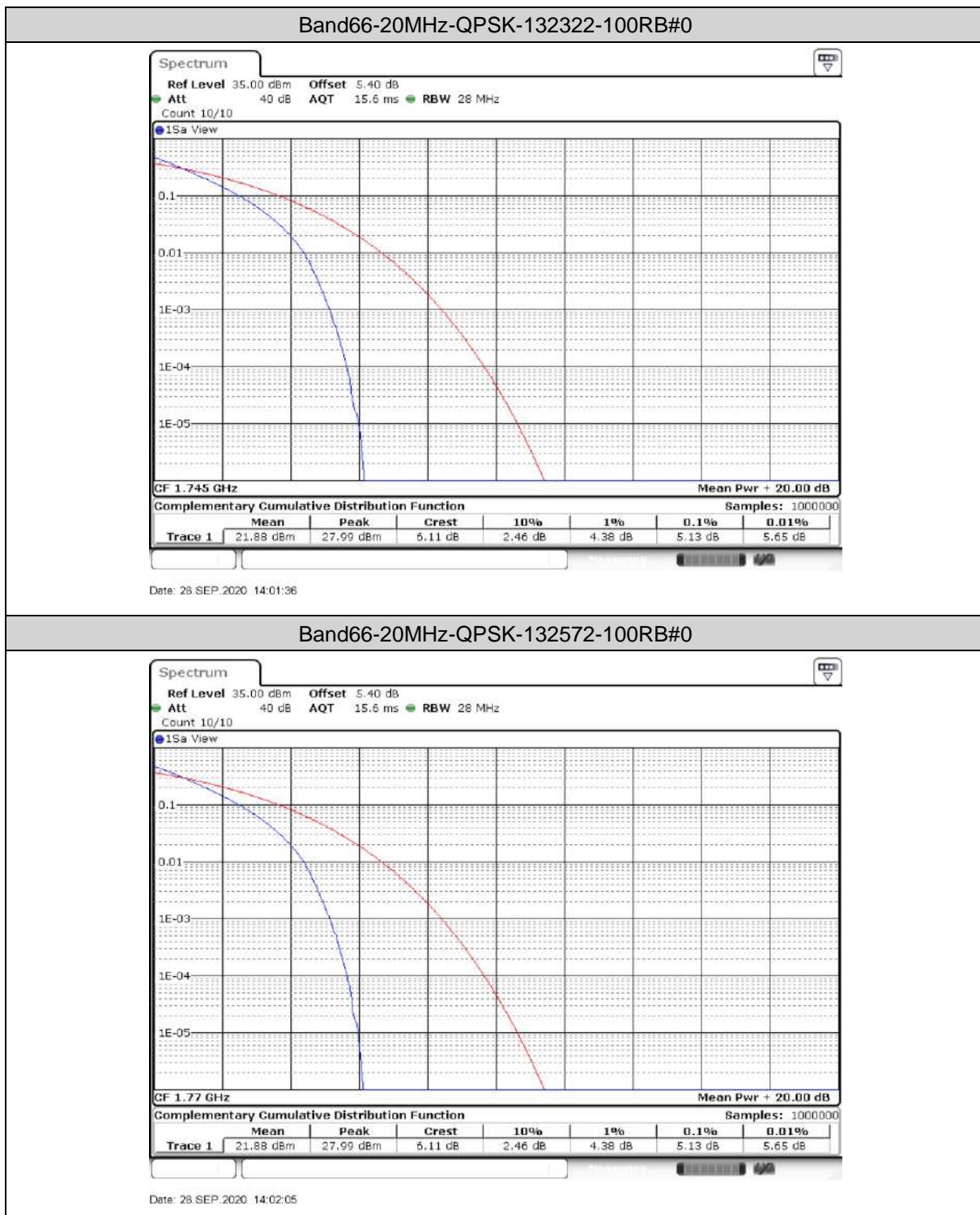


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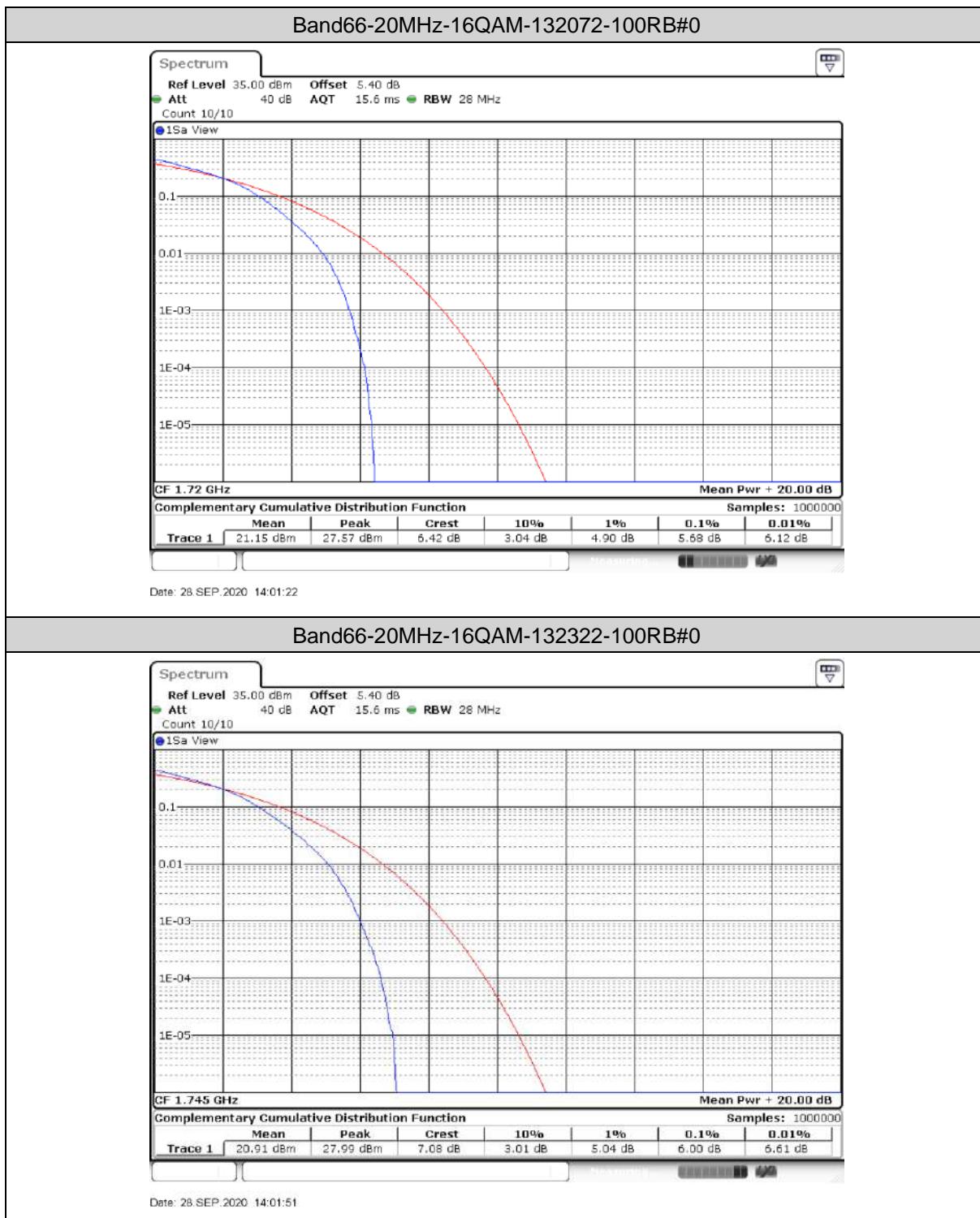


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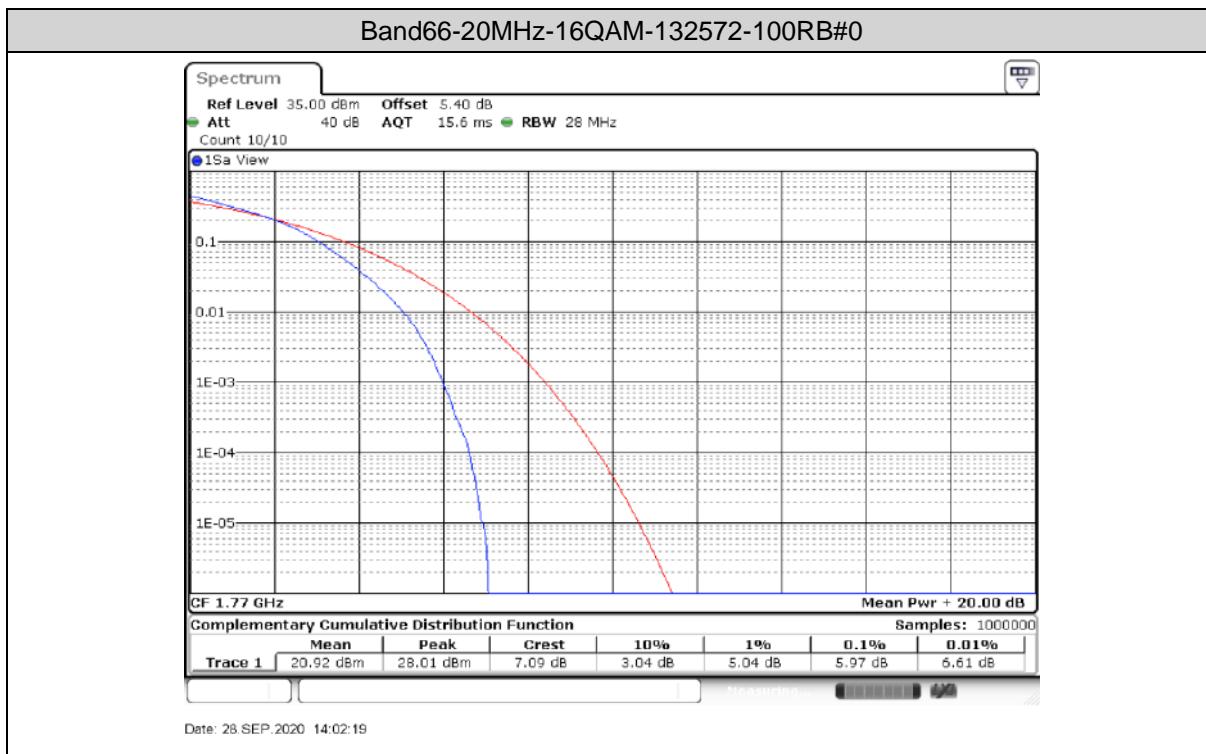


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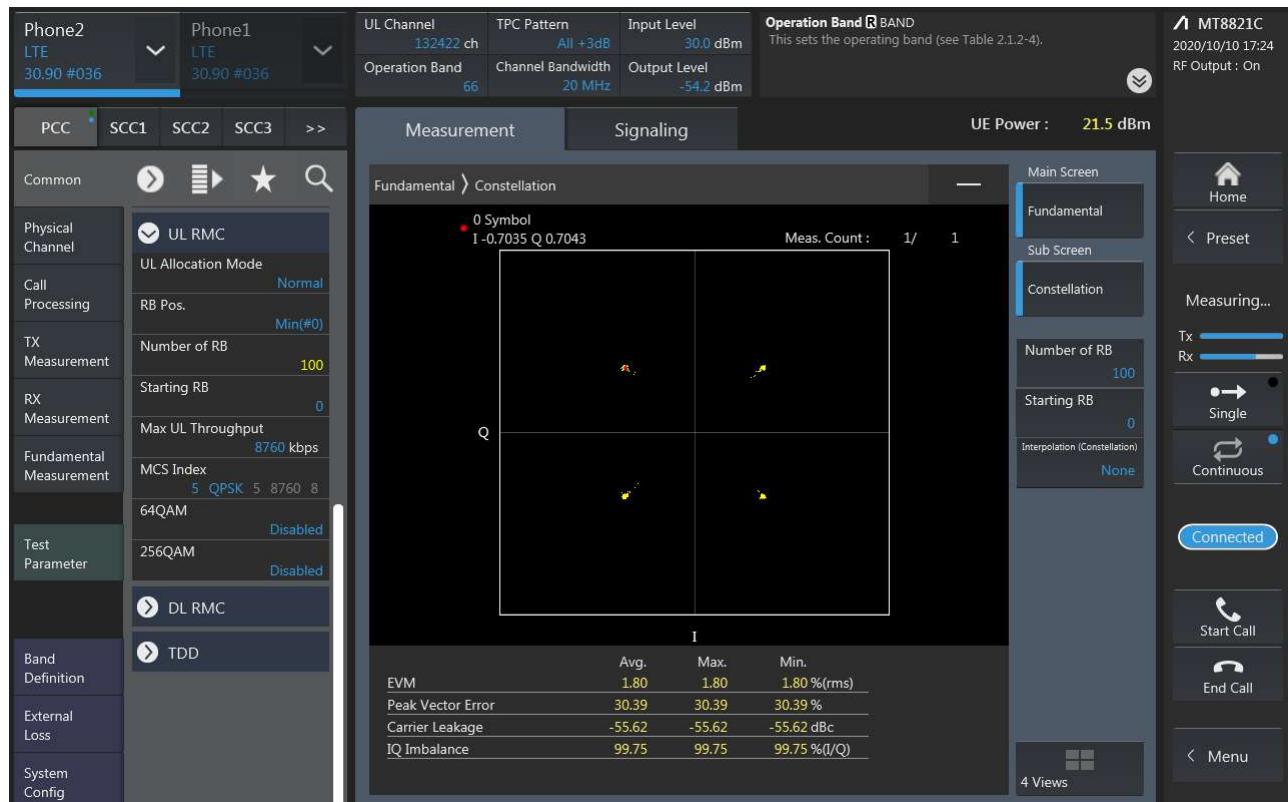
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### 3 Modulation Characteristics

#### 3.1 Test Mode = LTE /TM1 20MHz

##### 3.1.1 Test Channel = MCH



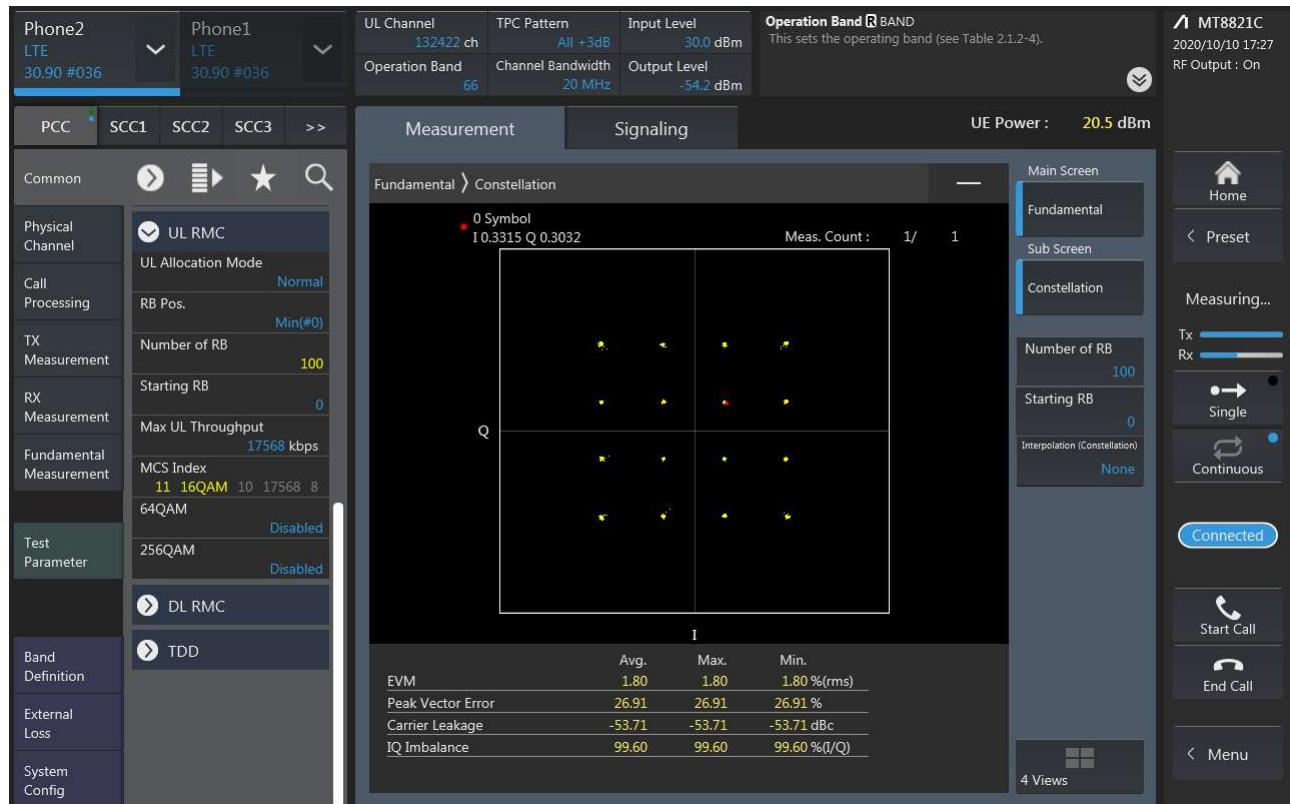
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## 3.2 Test Mode = LTE /TM2 20MHz

### 3.2.1 Test Channel = MCH



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## 4 26dB Bandwidth and Occupied Bandwidth

### 4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.094	1.293	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.091	1.281	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.091	1.302	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.284	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.281	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.284	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.691	3.006	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.697	2.982	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.691	2.994	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.976	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.976	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.466	4.910	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	4.920	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.466	4.930	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	4.960	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.476	4.940	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	4.930	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.700	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.680	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.911	9.660	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.911	9.740	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.911	9.720	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.427	14.760	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.790	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.427	14.670	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.397	14.790	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.240	PASS

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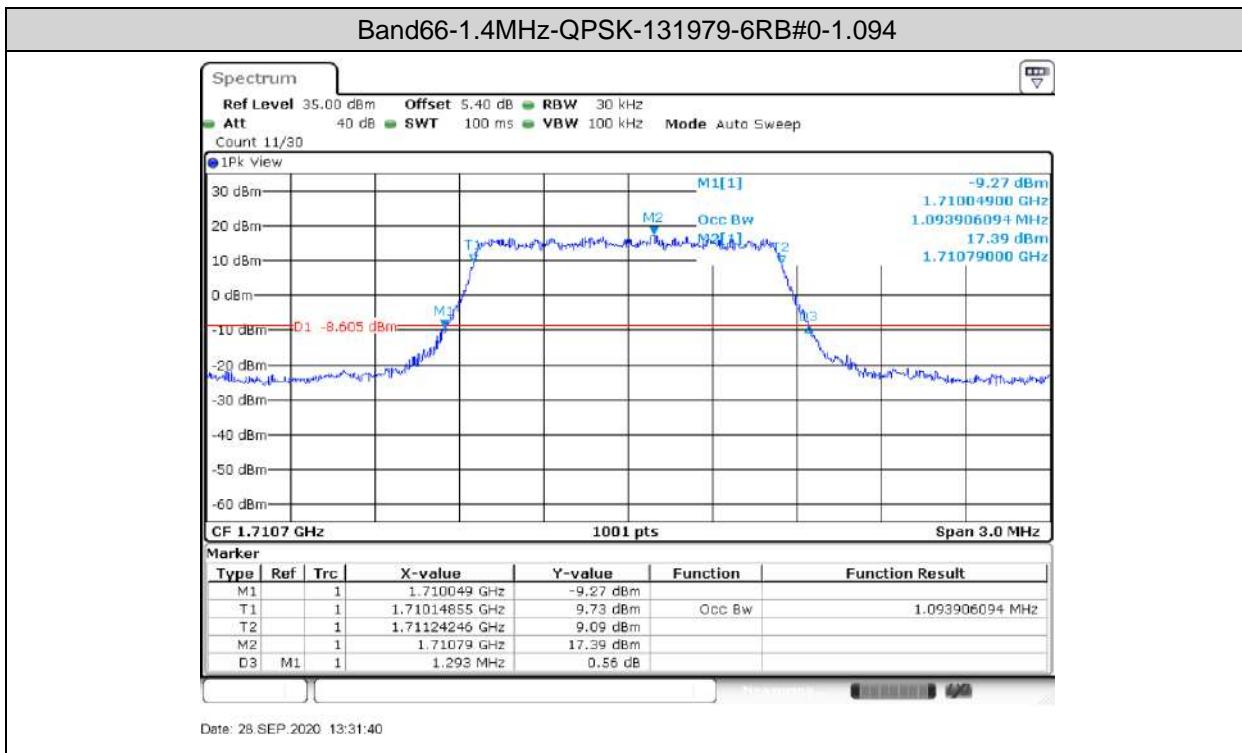
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Band66	20MHz	QPSK	132322	100RB#0	17.862	19.440	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.822	19.400	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.862	19.320	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.862	19.440	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.862	19.440	PASS

## 4.2 Test Plots

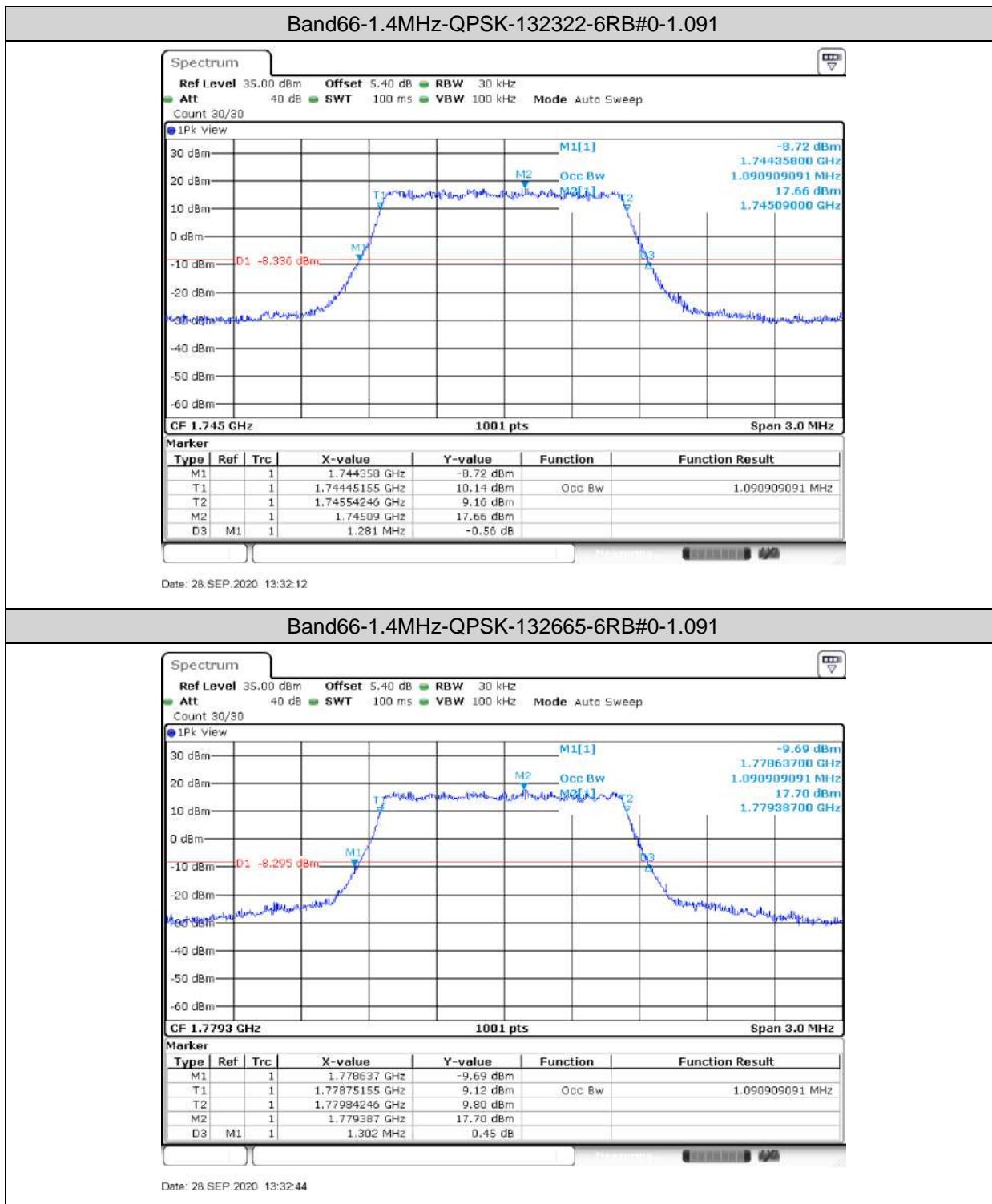


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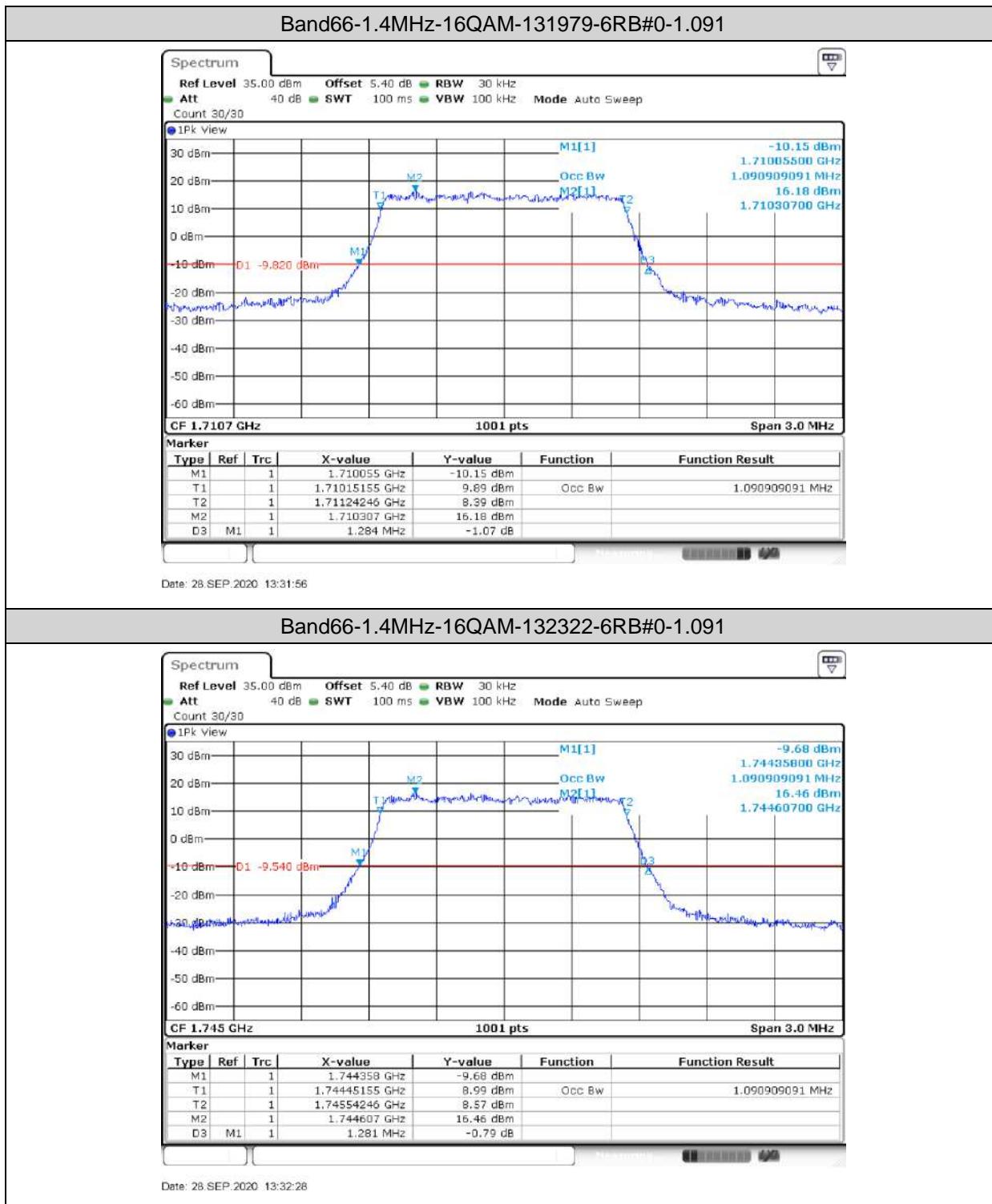


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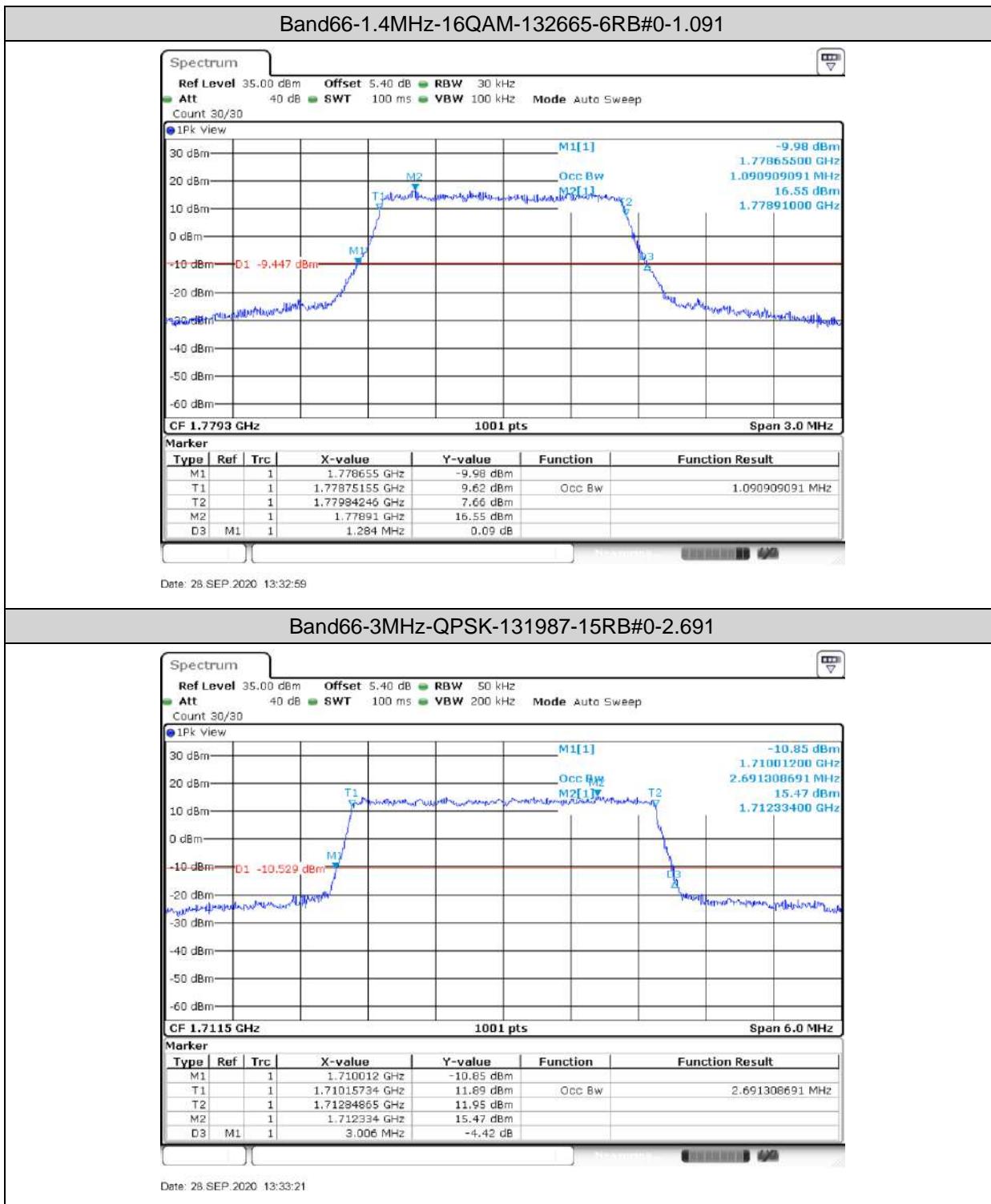
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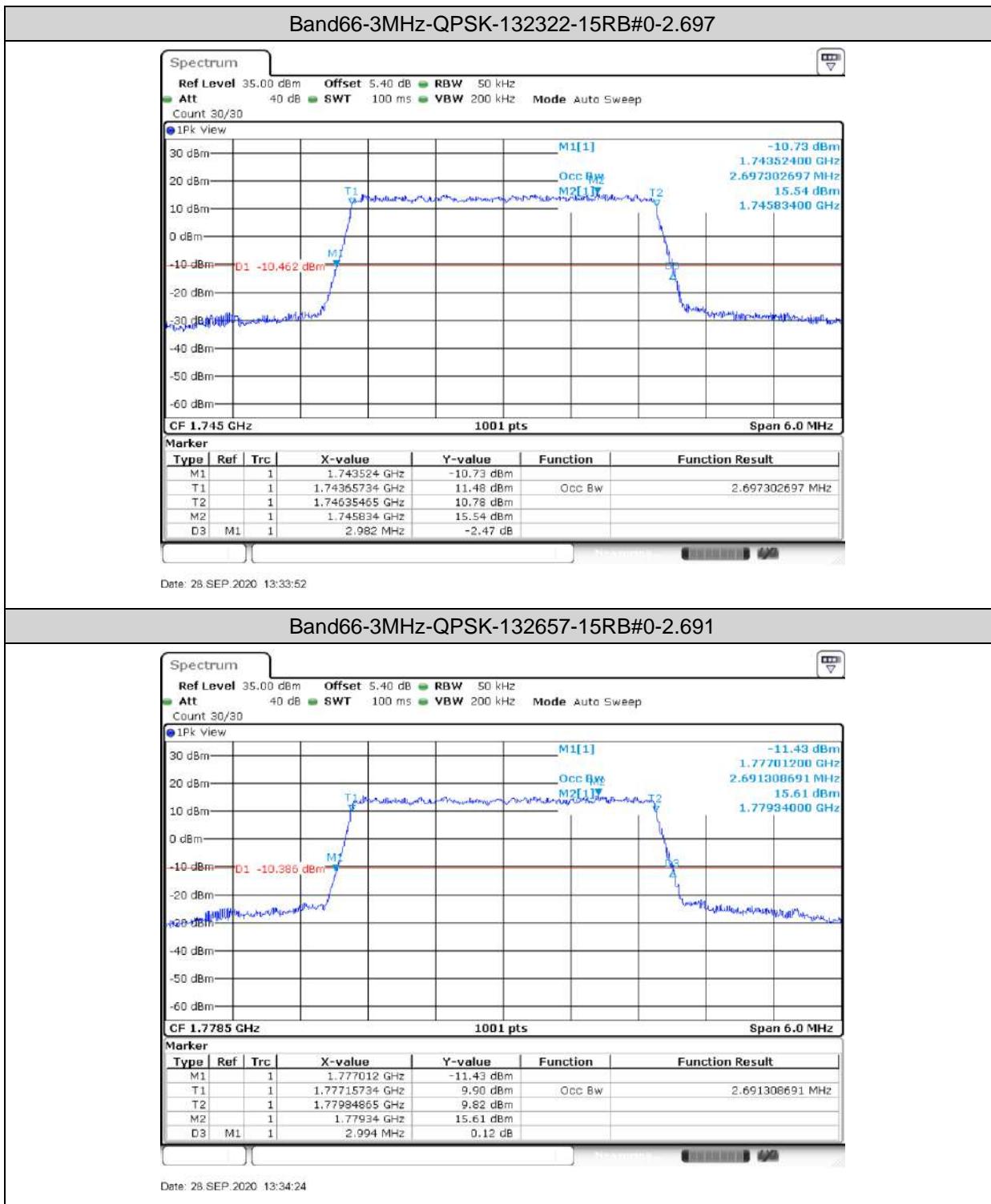
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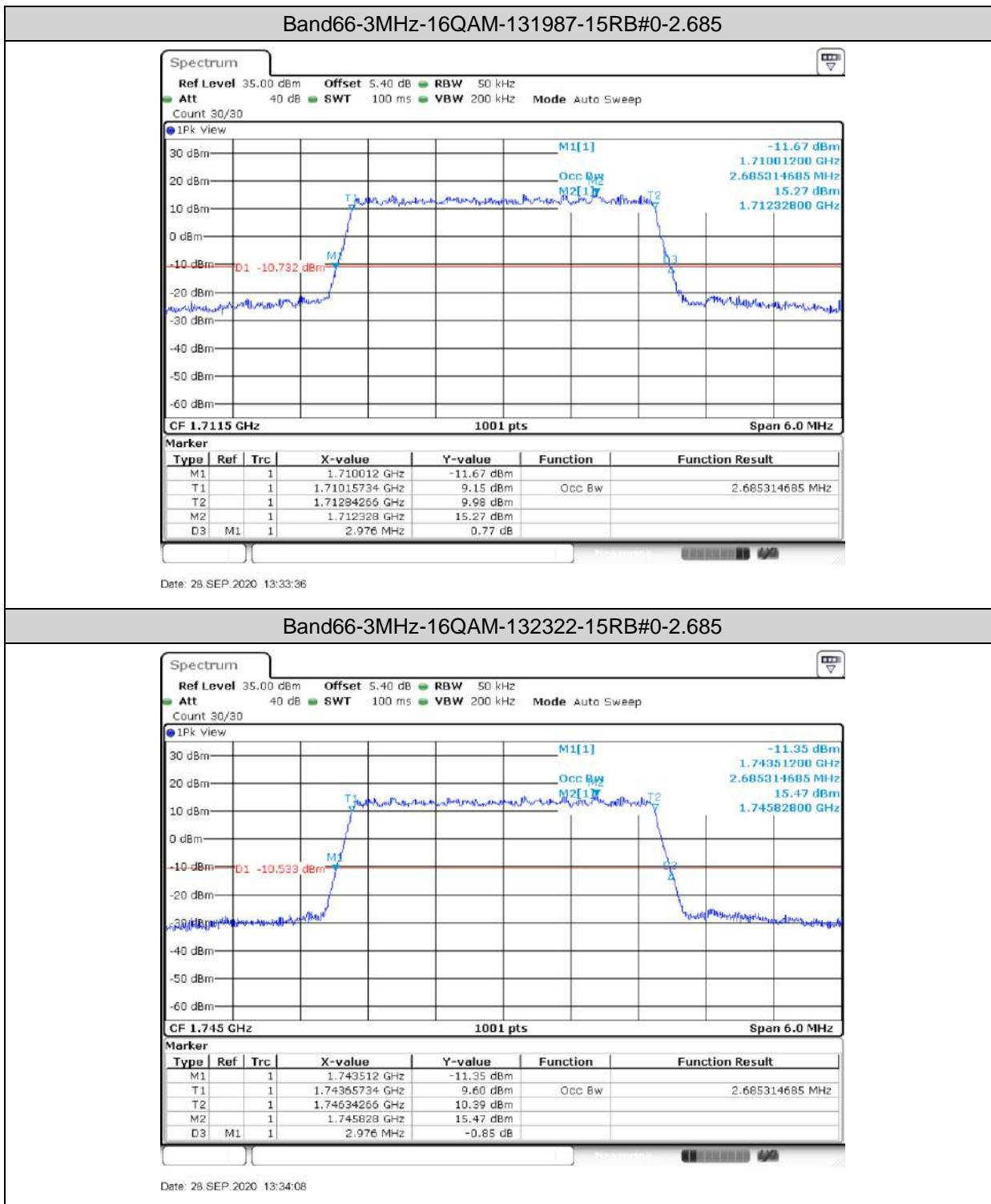
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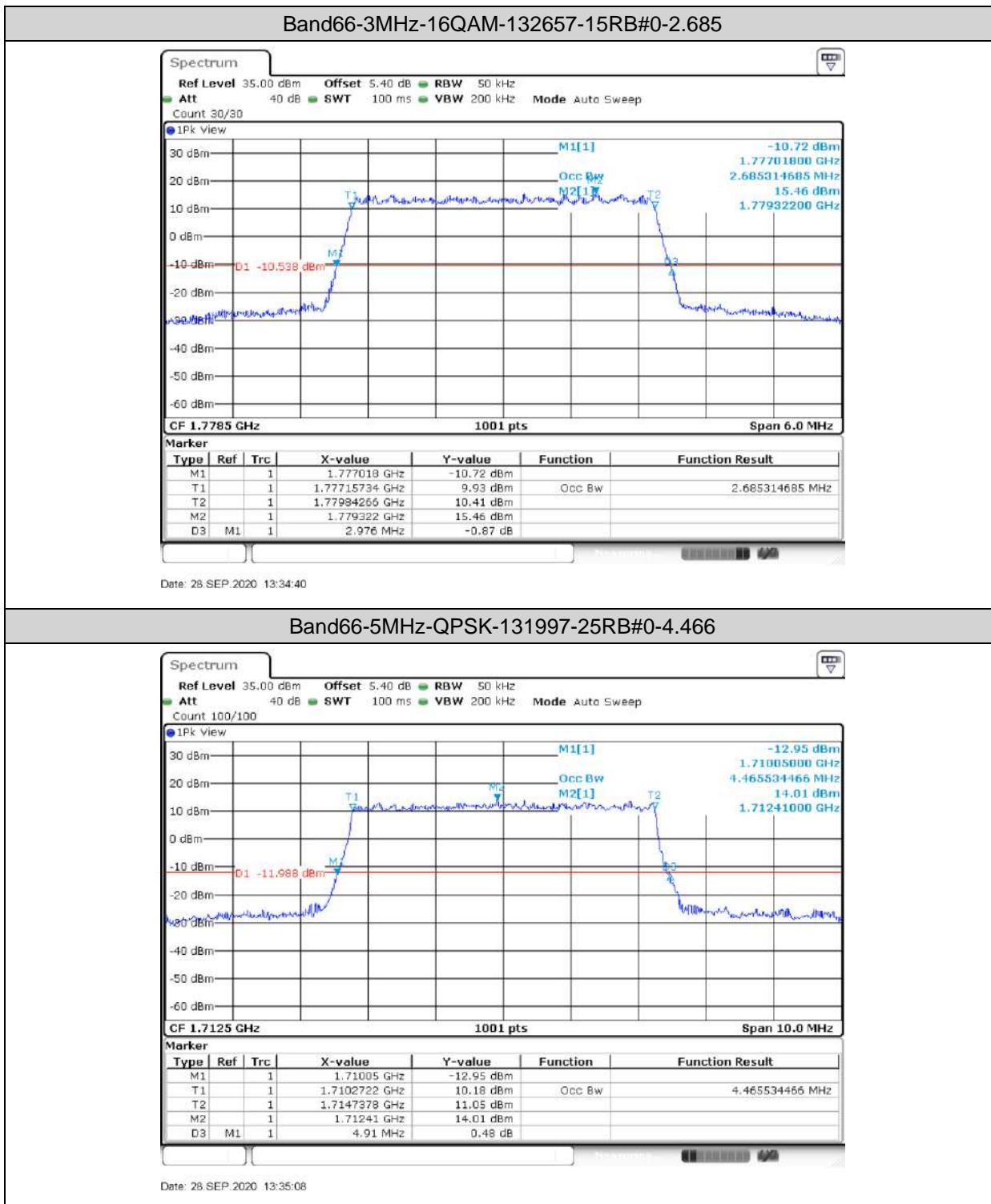


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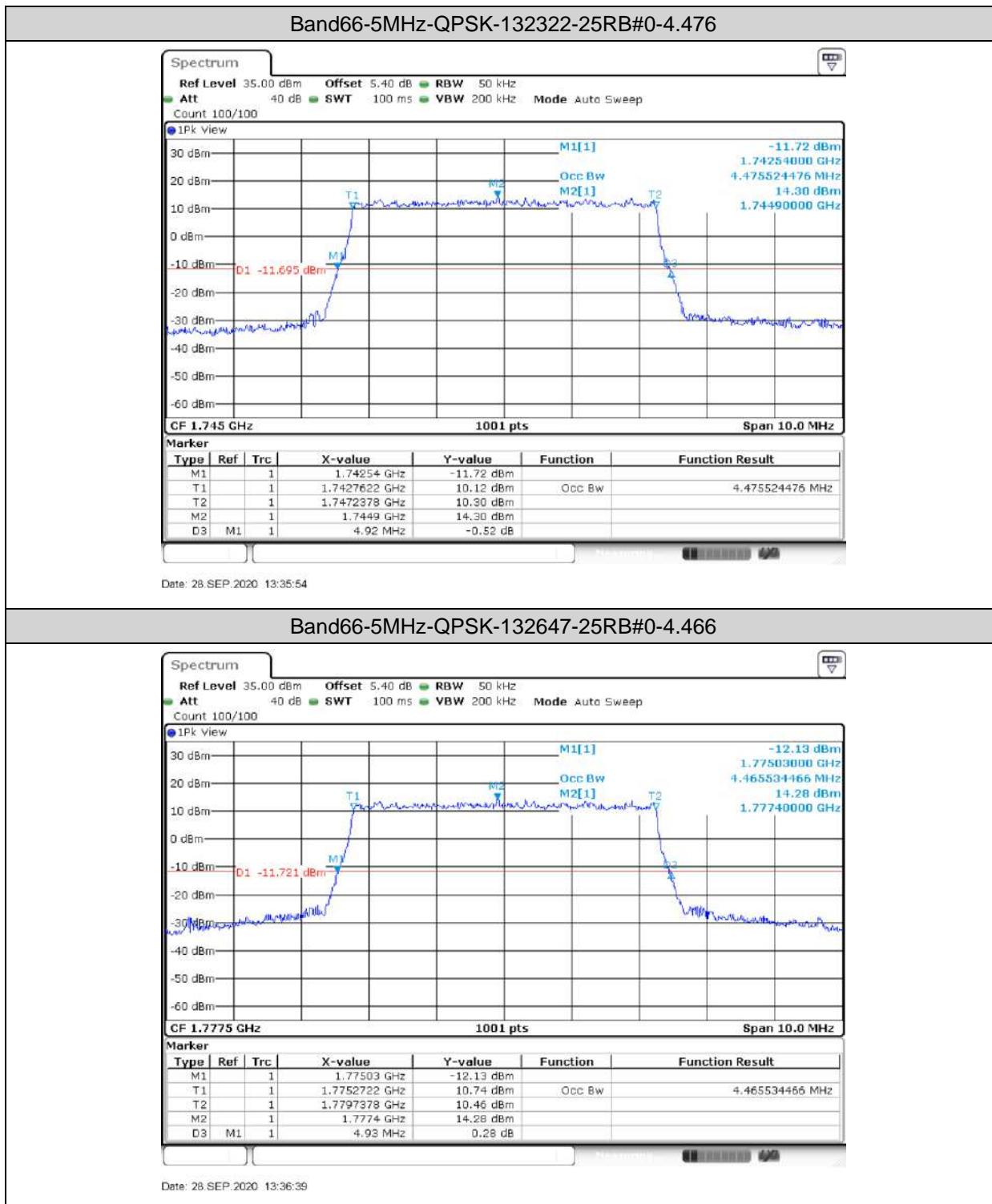
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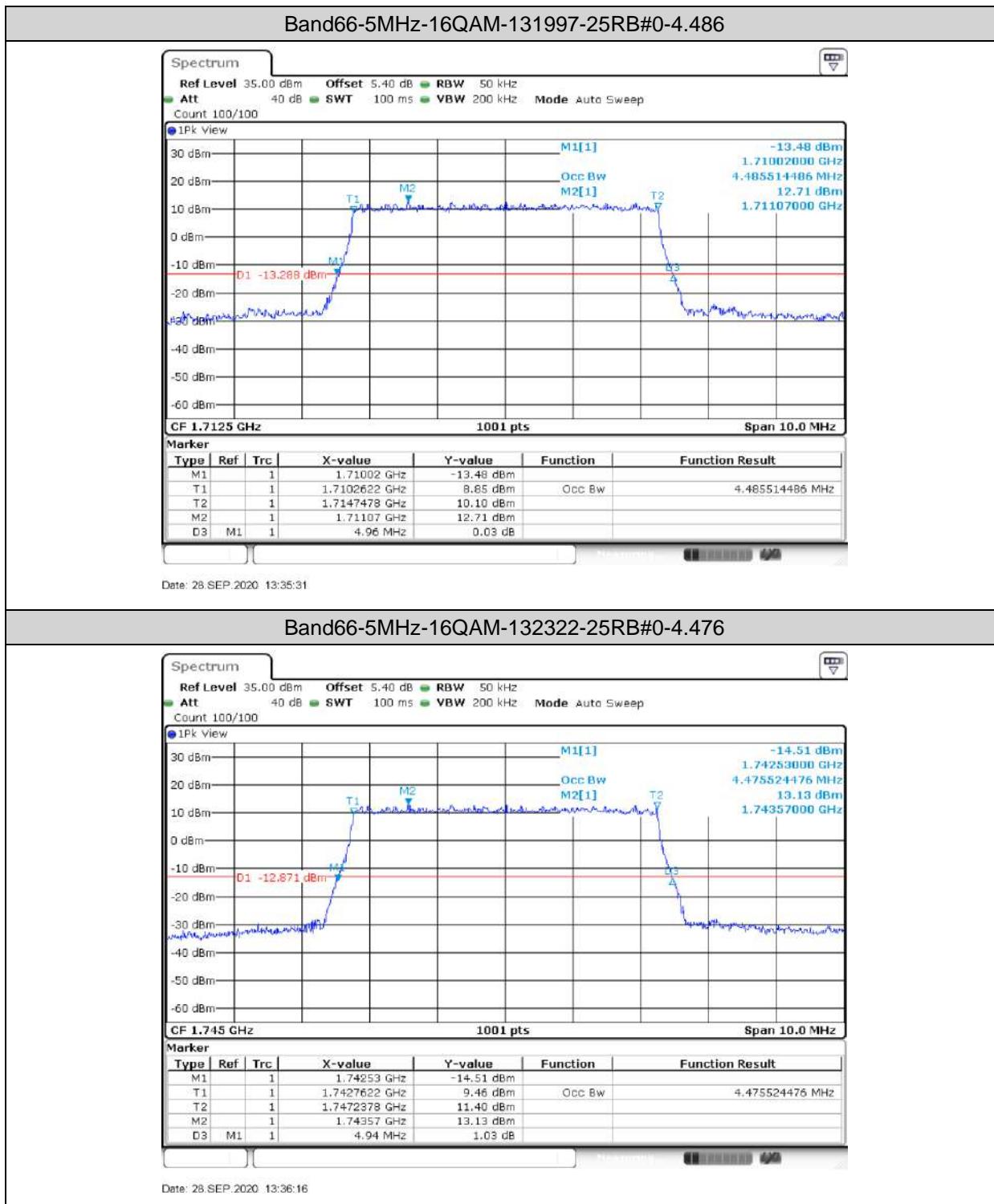


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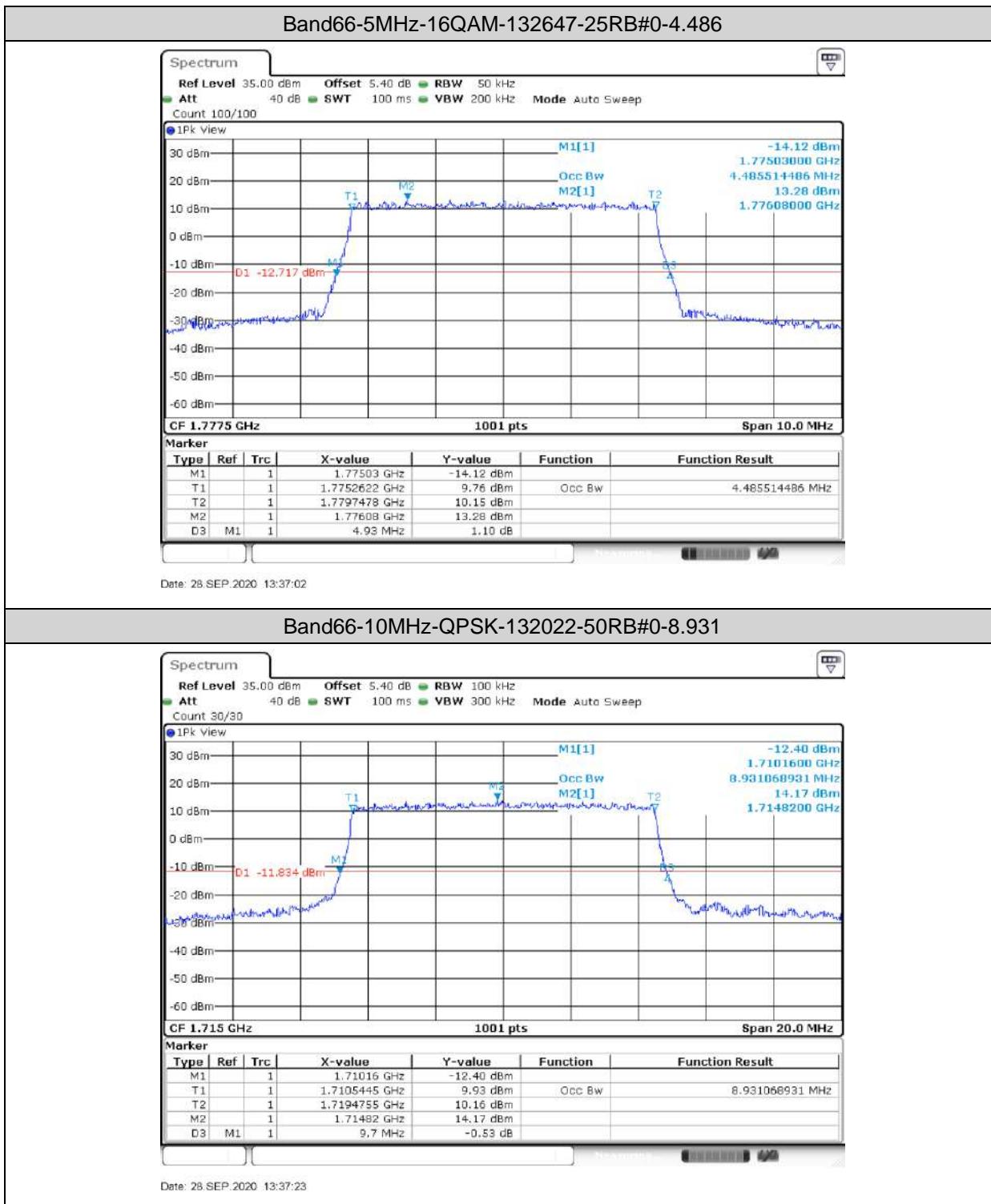


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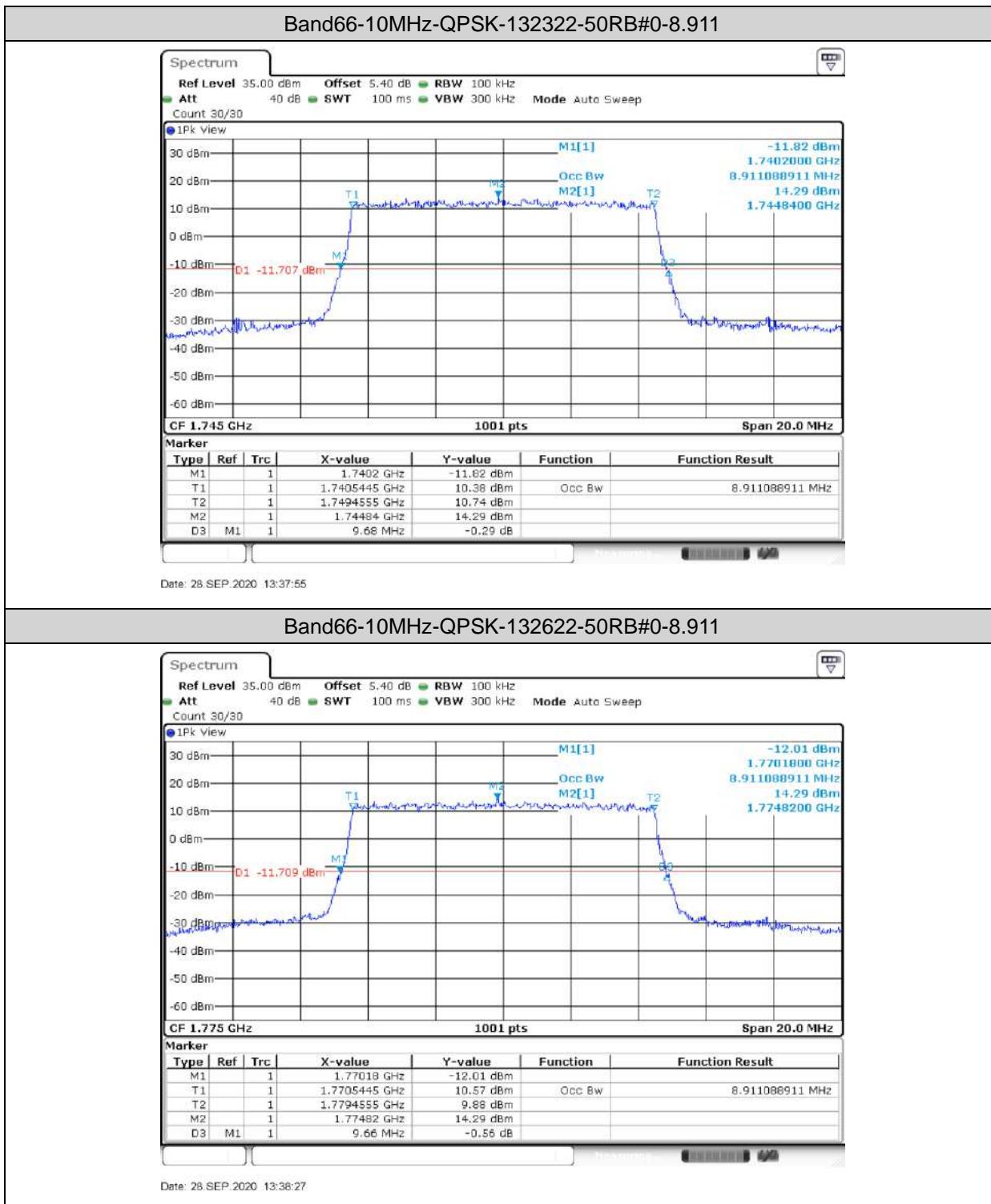
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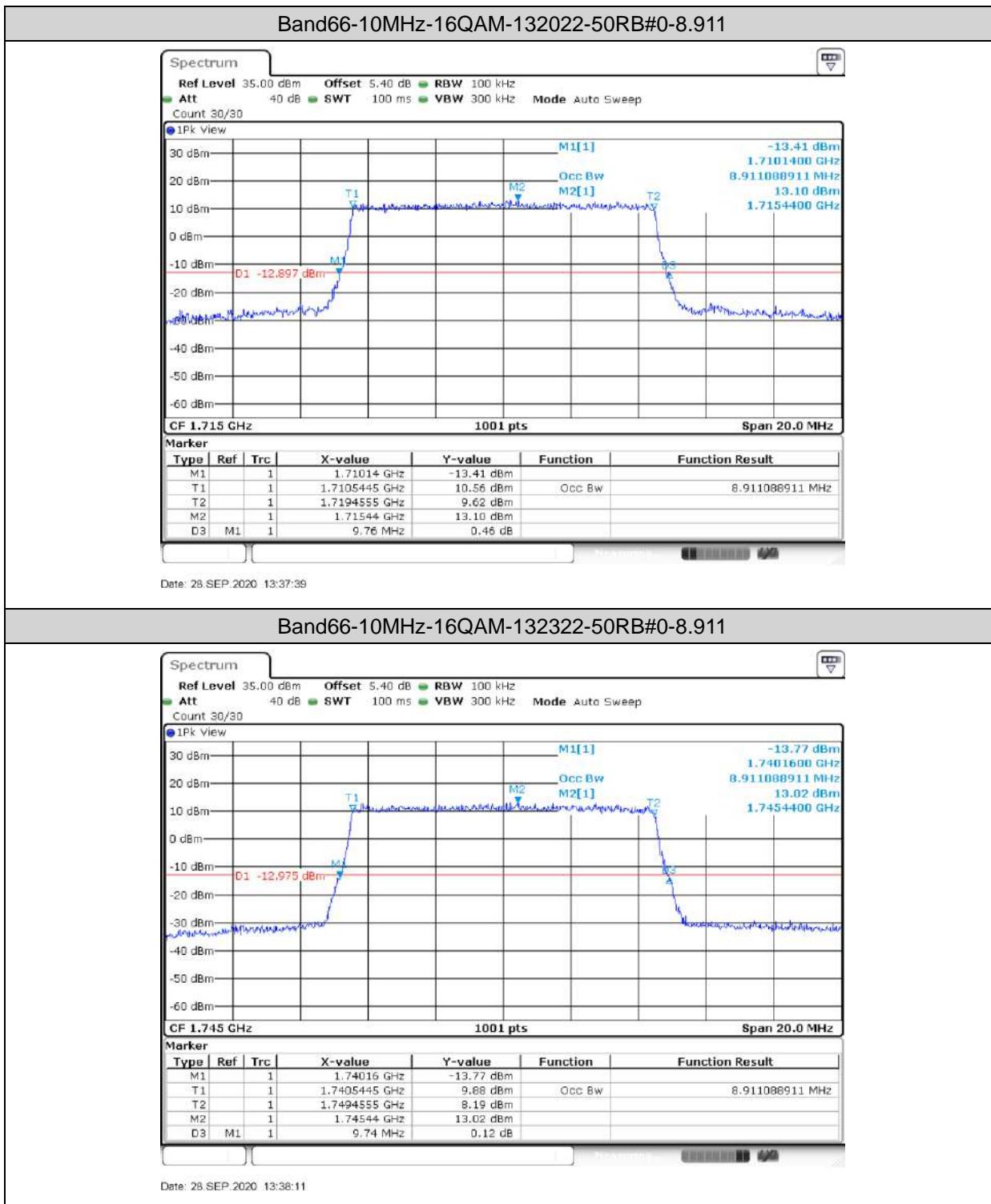
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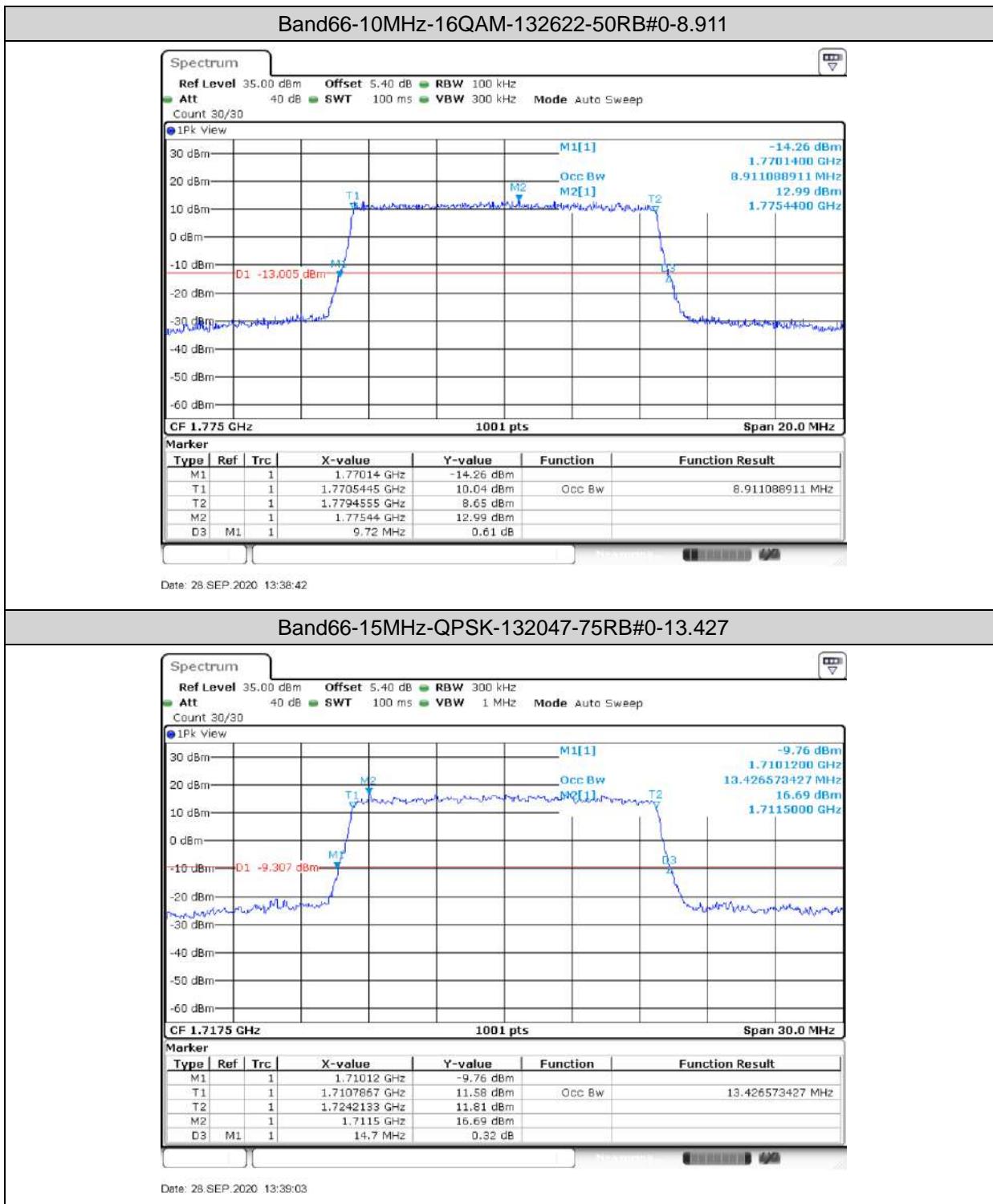
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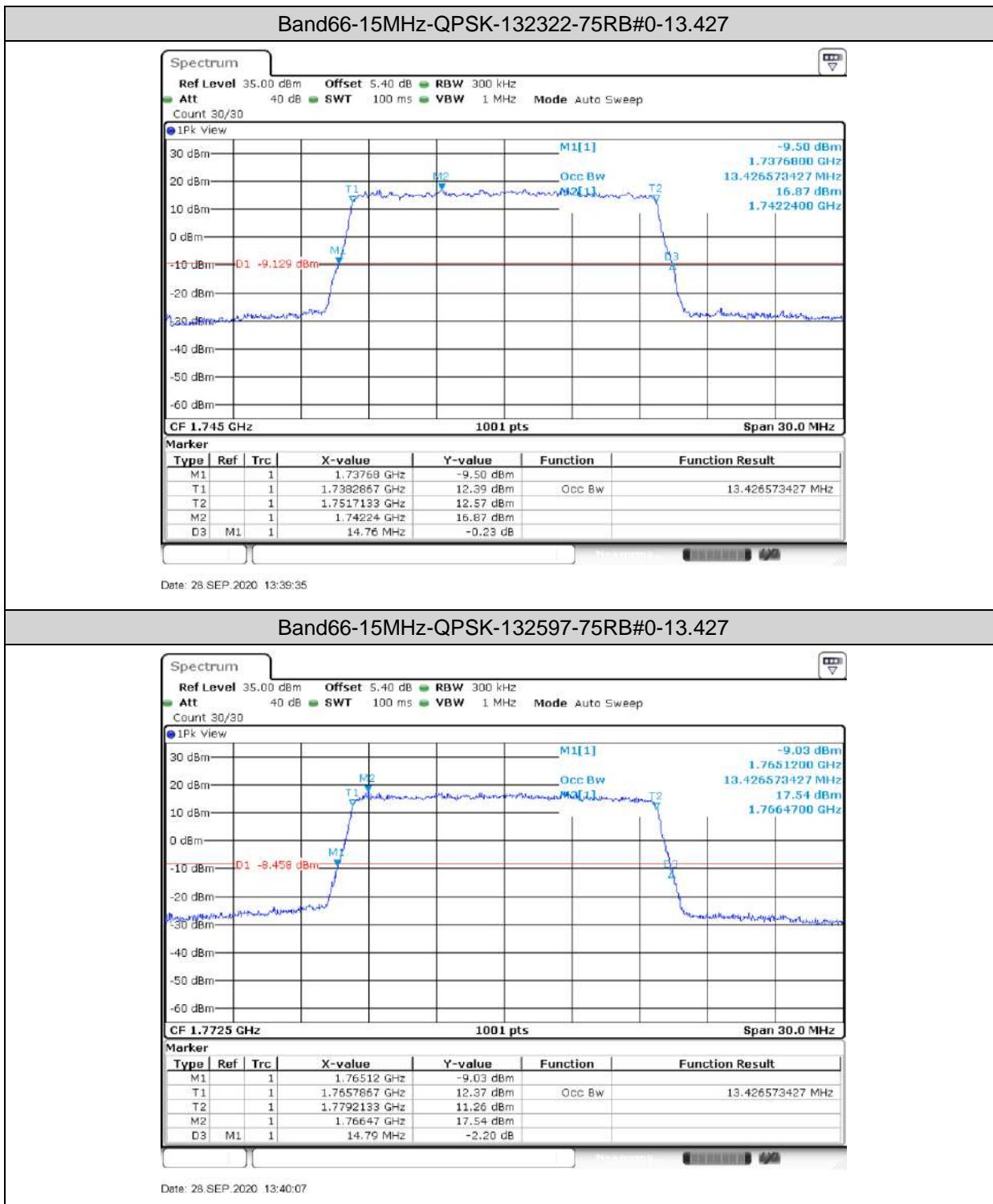




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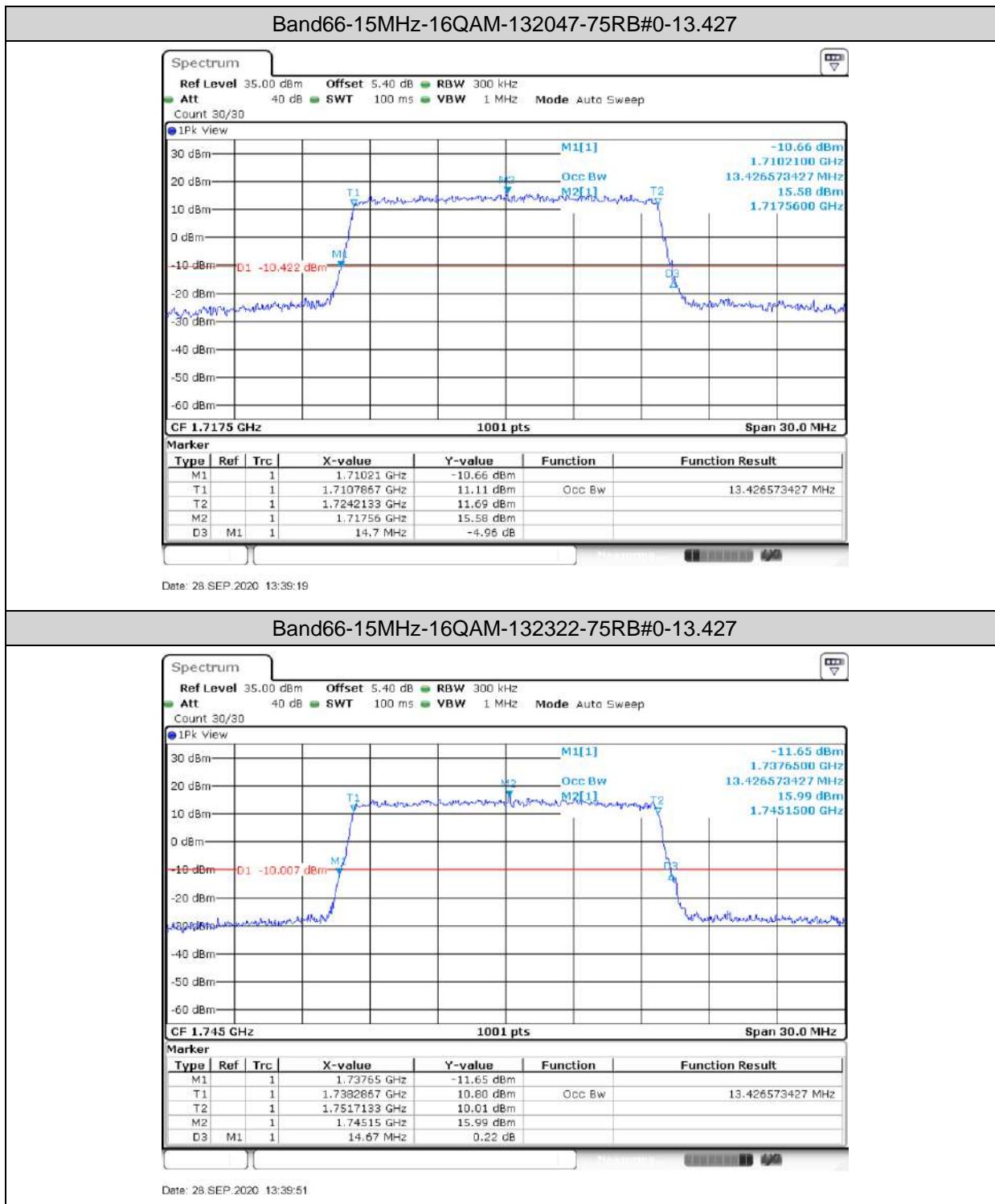
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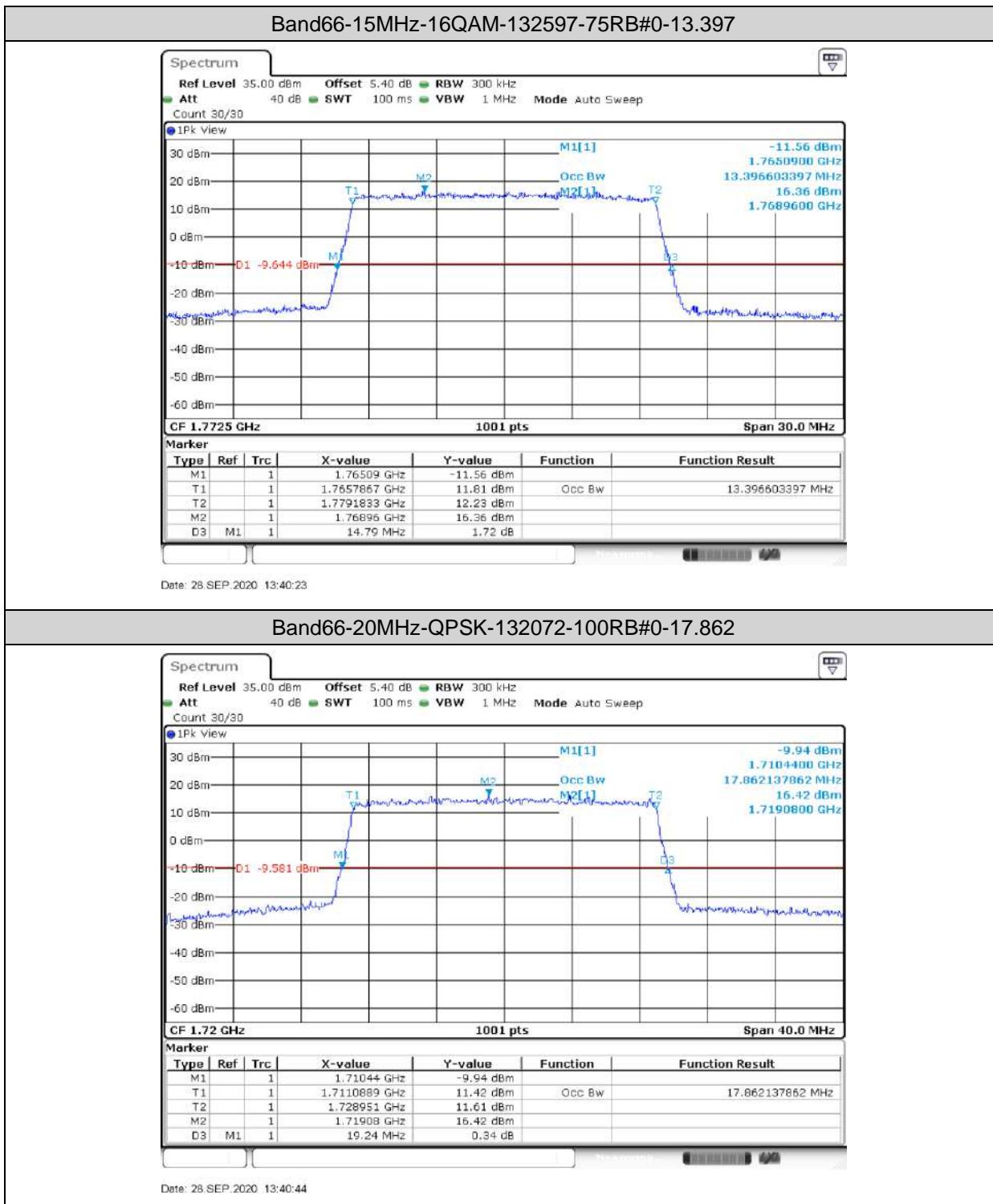
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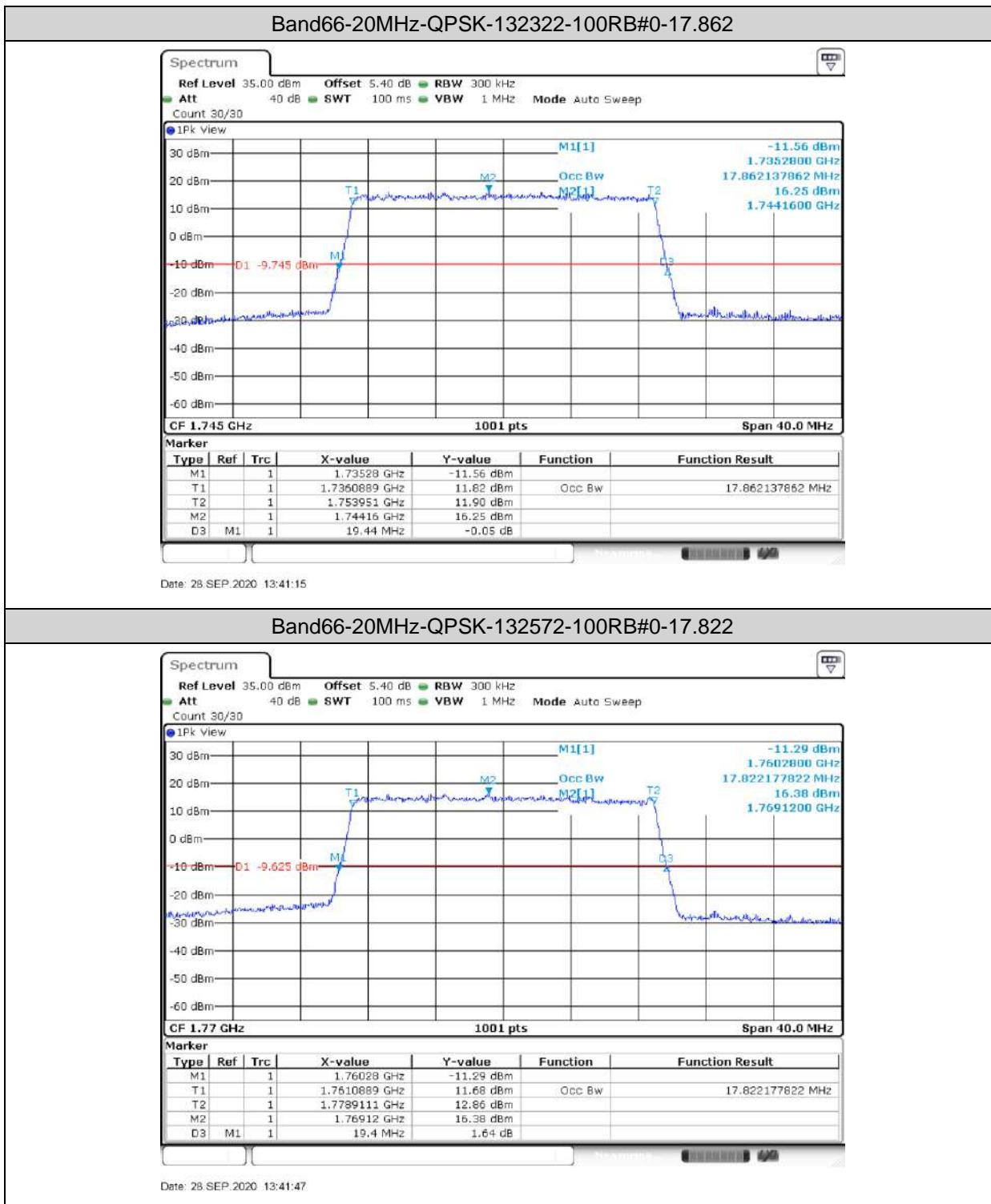
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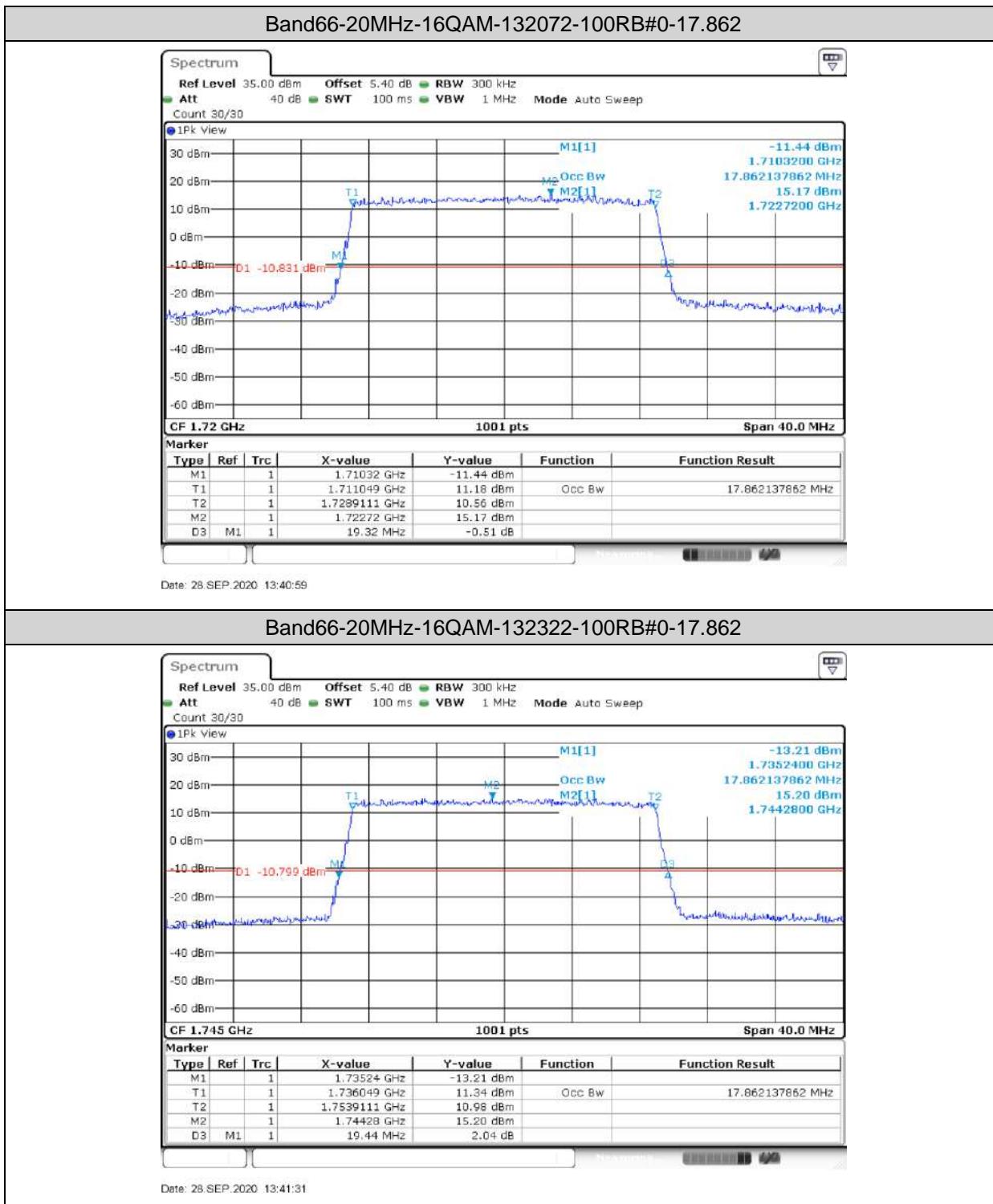
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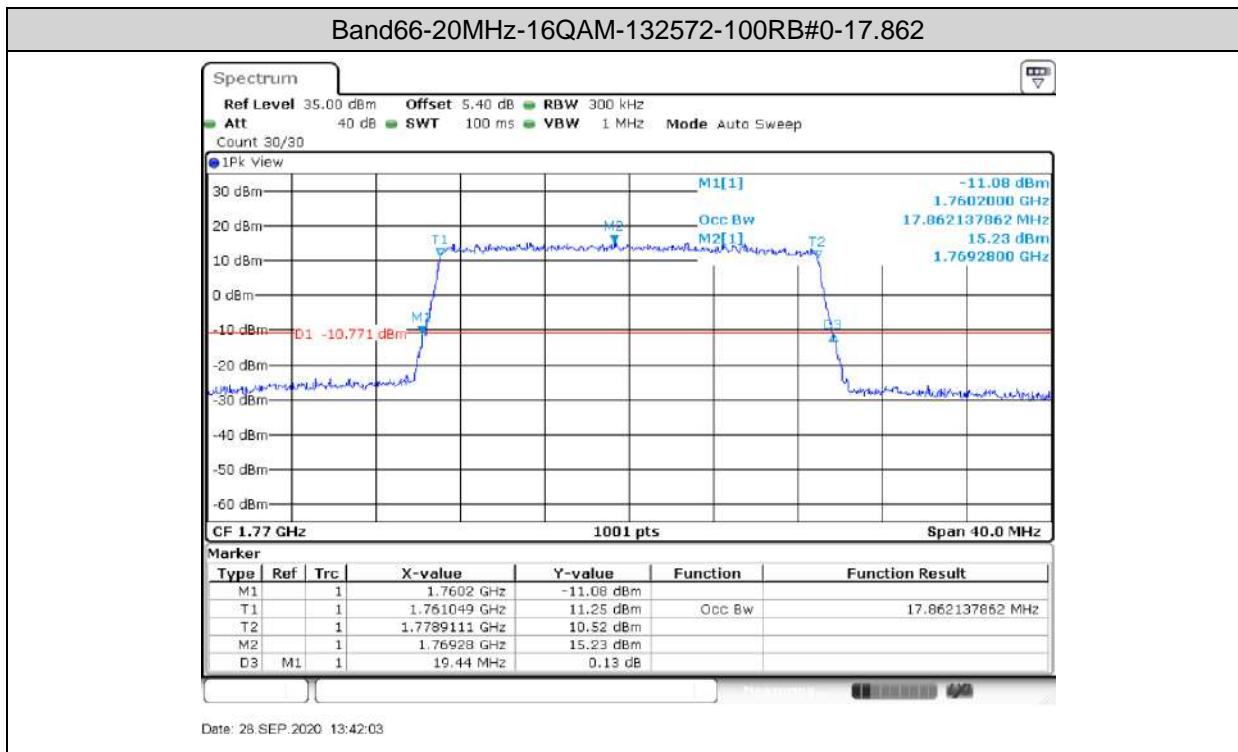


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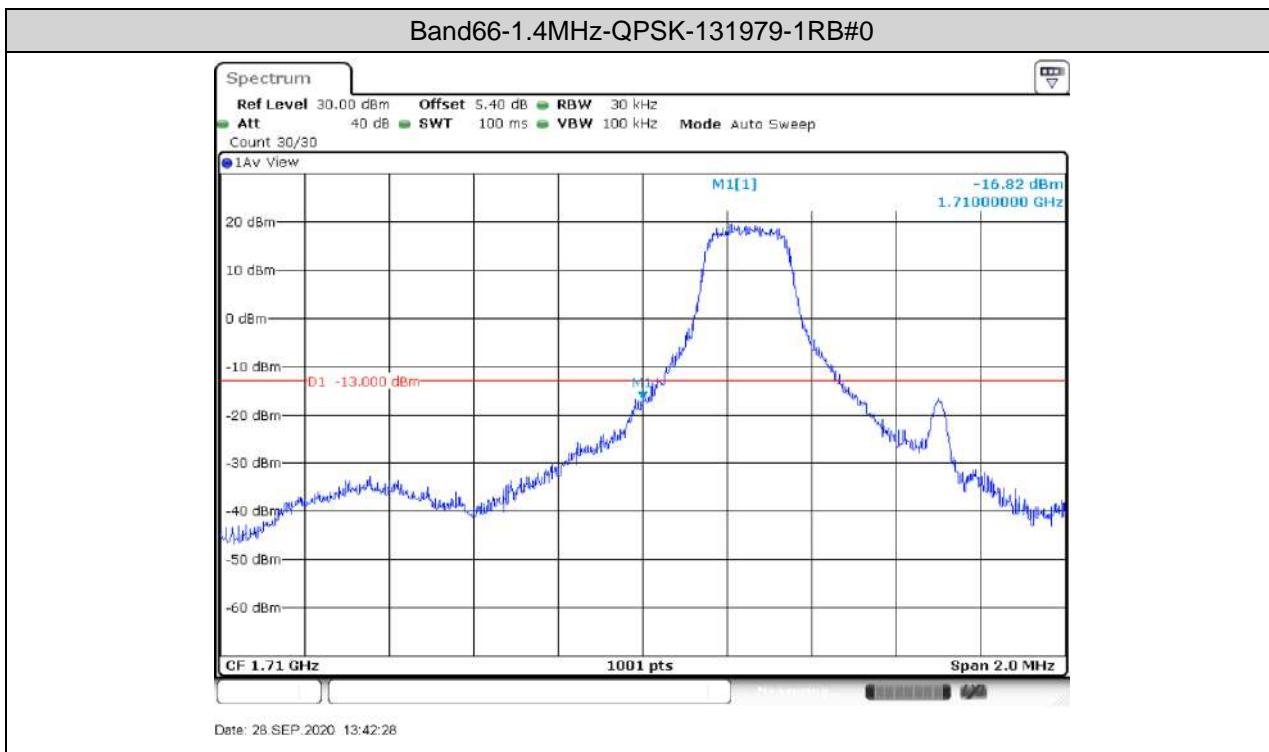
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## 5 Band Edge Compliance

### 5.1 Test Plots



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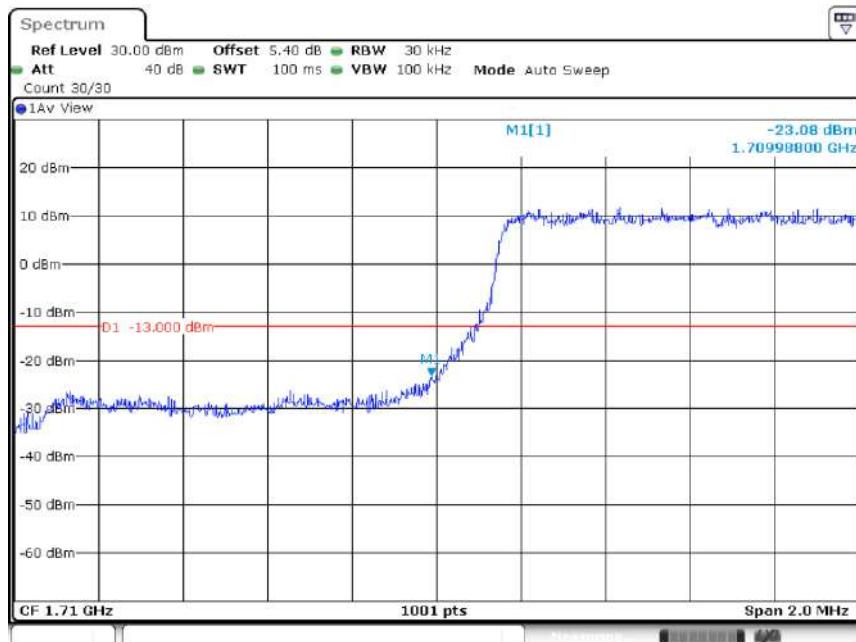
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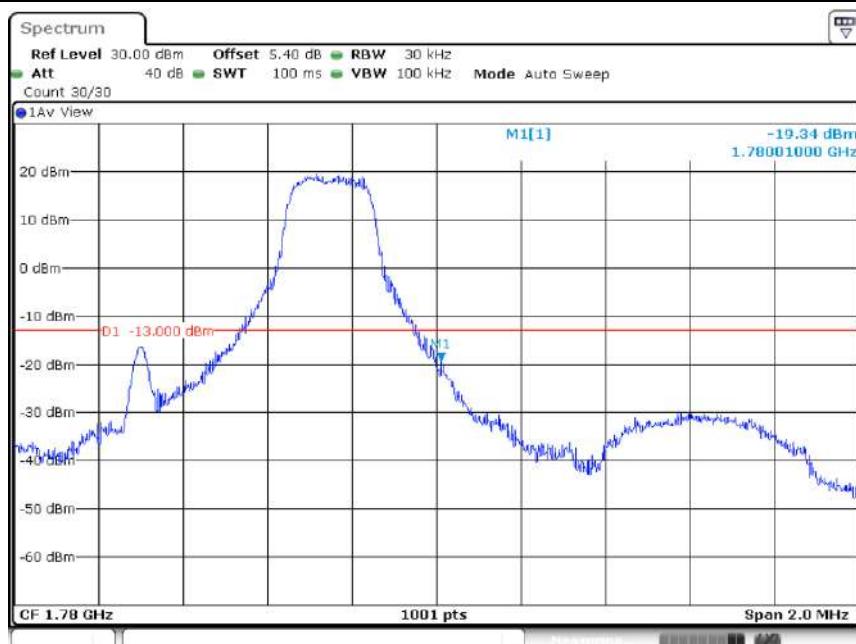
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## Band66-1.4MHz-QPSK-131979-6RB#0



Date: 28 SEP. 2020 13:43:01

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



Date: 28 SEP. 2020 13:43:42

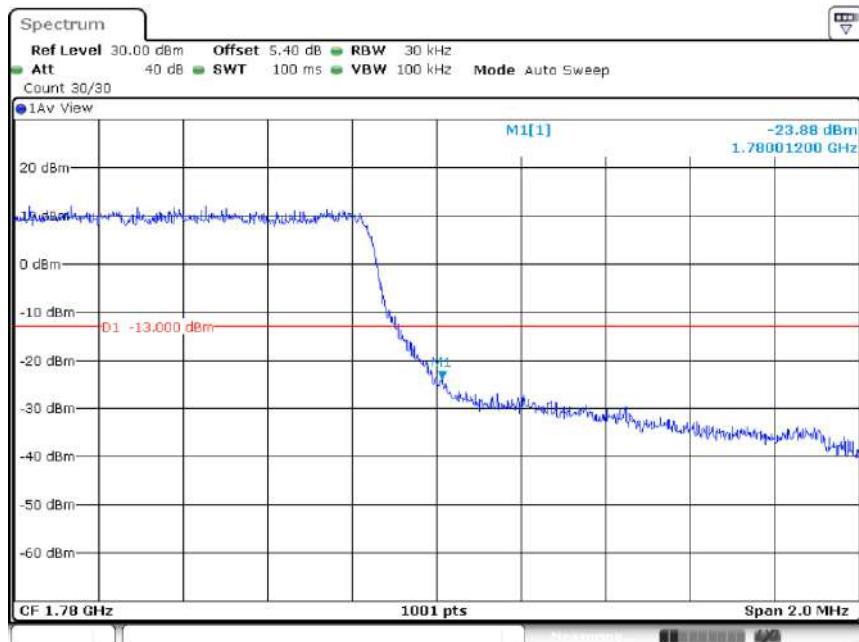
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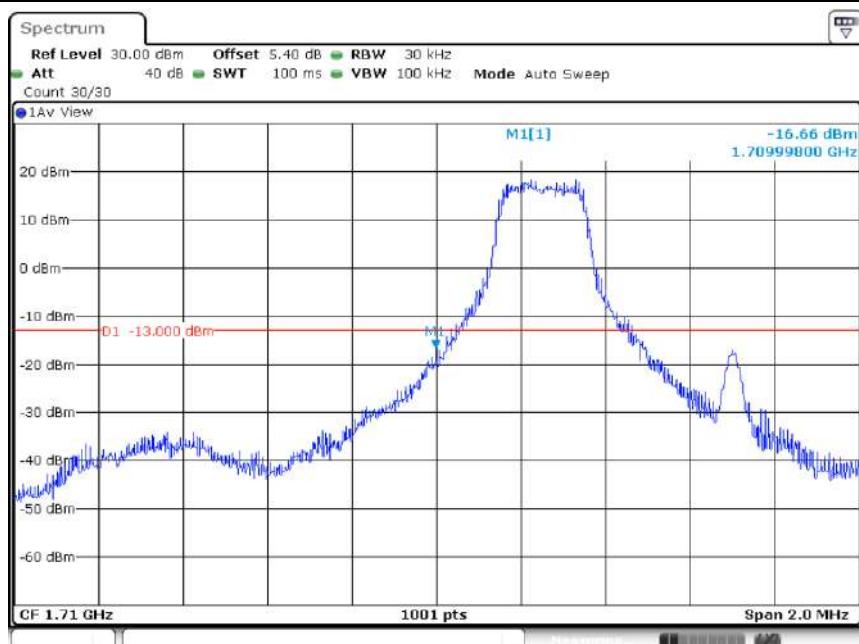
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## Band66-1.4MHz-QPSK-132665-6RB#0



Date: 28 SEP. 2020 13:44:15

## Band66-1.4MHz-16QAM-131979-1RB#0



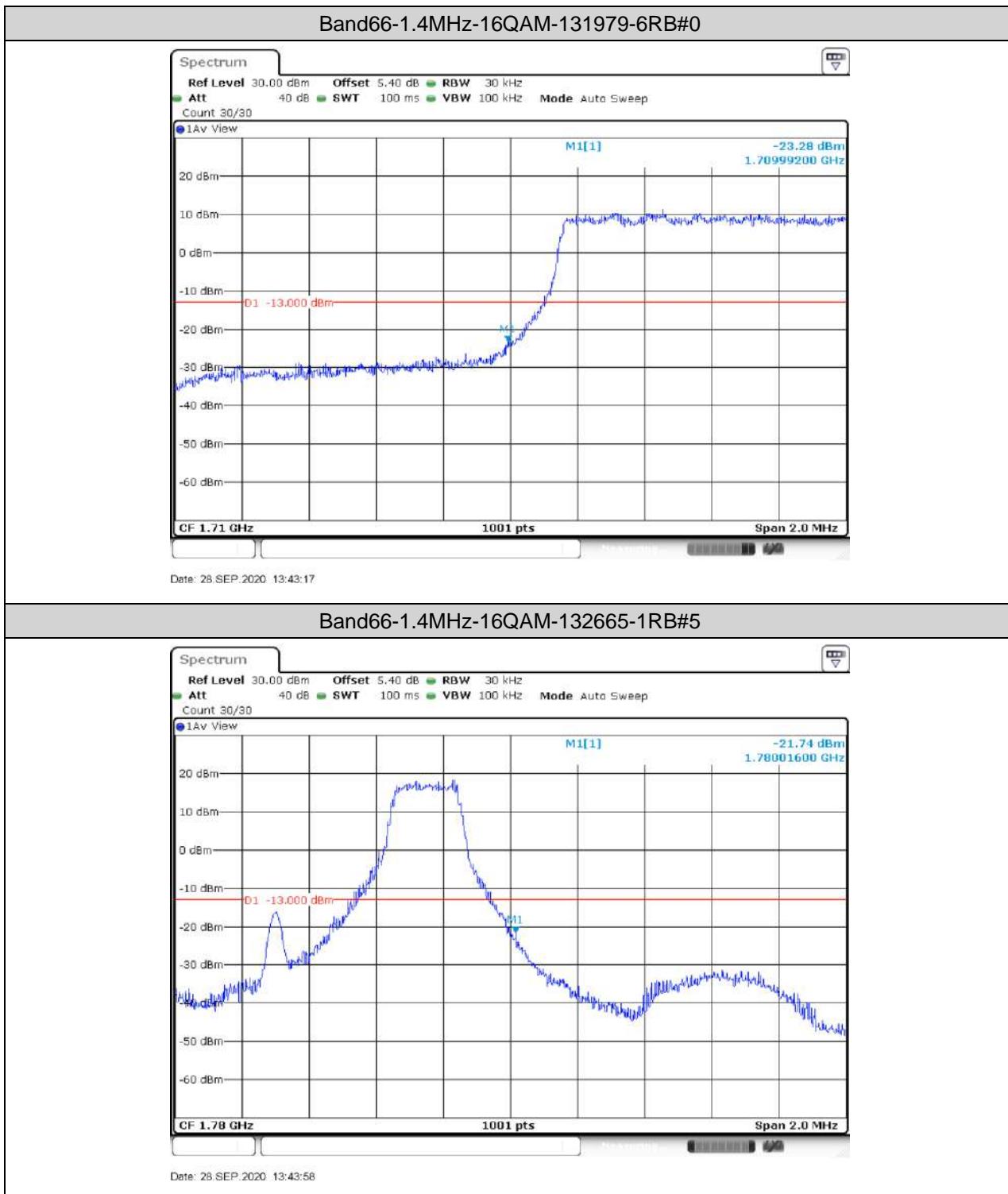
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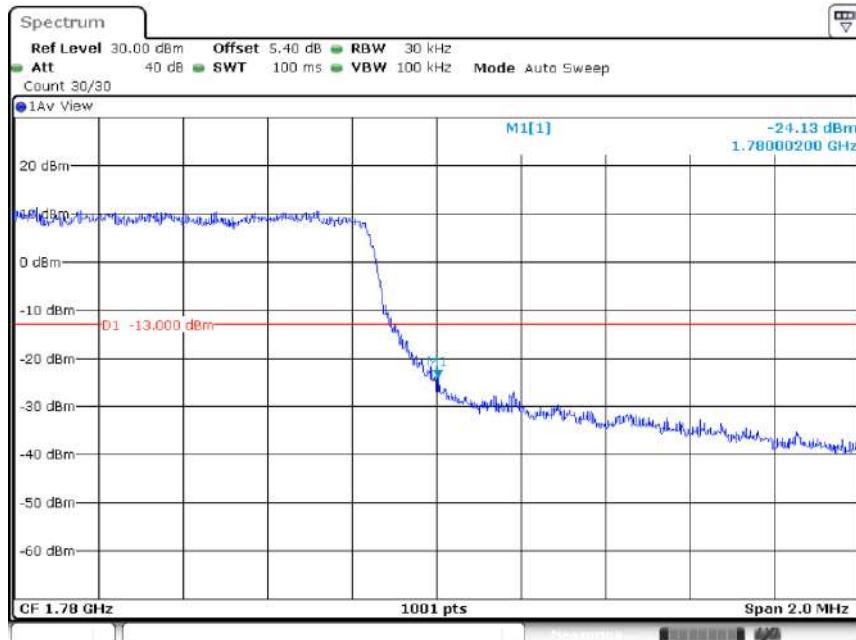
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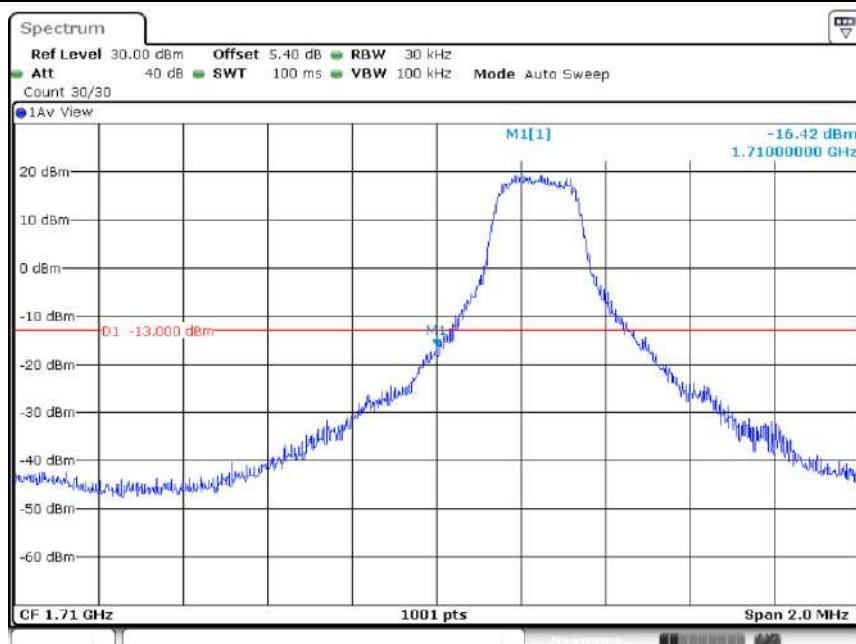
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## Band66-1.4MHz-16QAM-132665-6RB#0



Date: 28 SEP. 2020 13:44:31

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



Date: 28 SEP. 2020 13:44:56

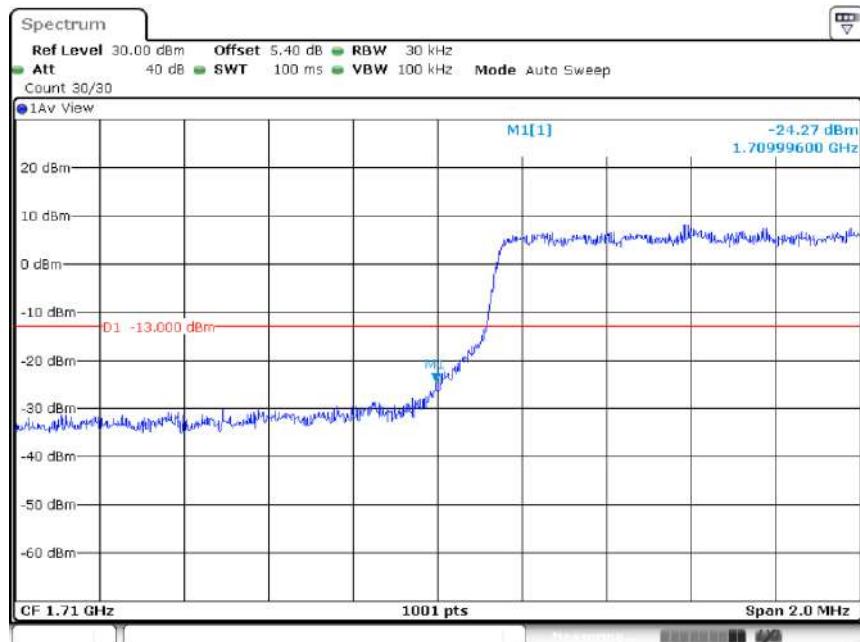
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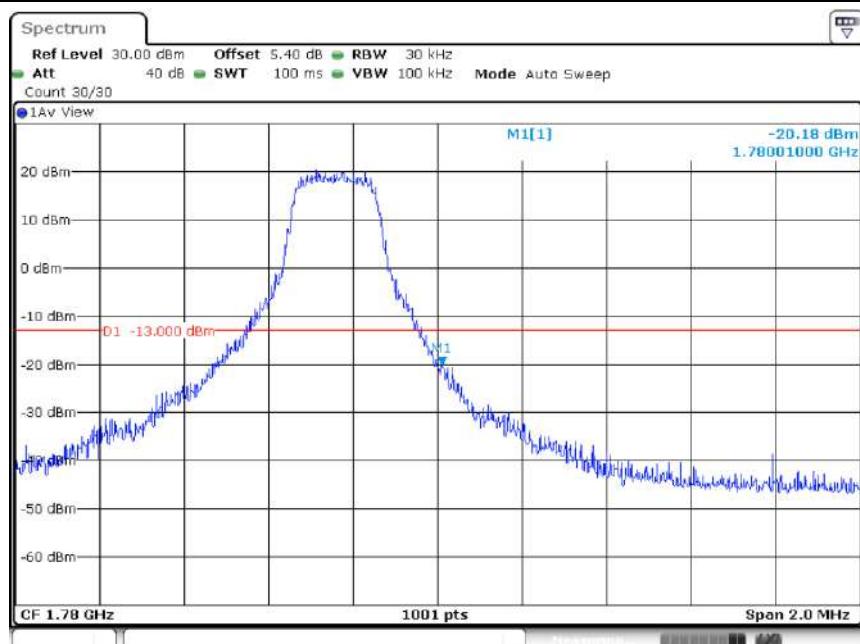
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Date: 28 SEP. 2020 13:45:29

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



Date: 28 SEP. 2020 13:46:10

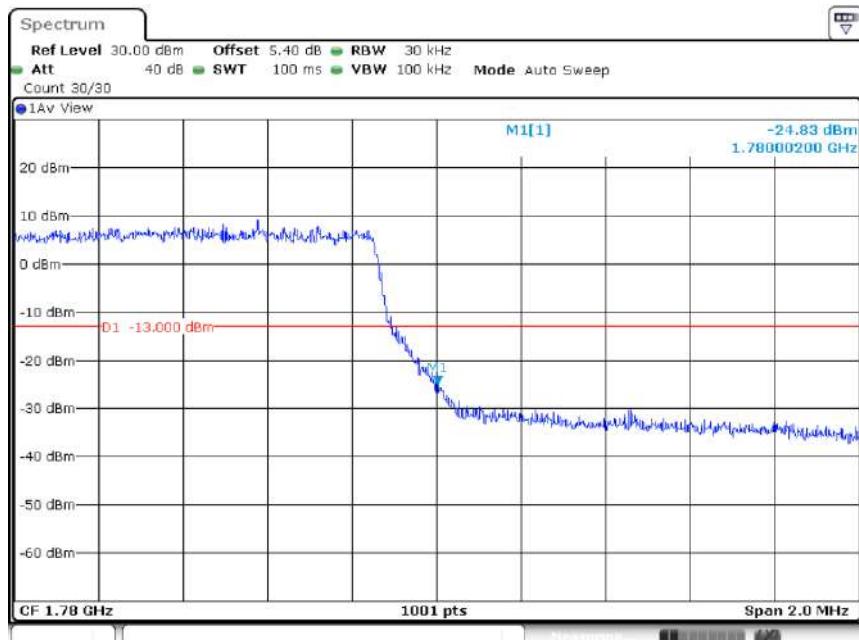
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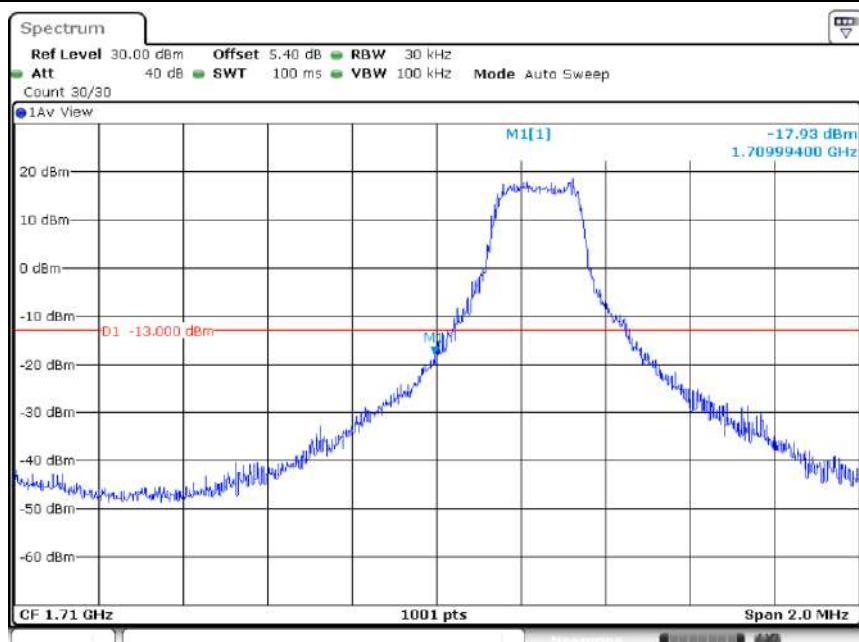
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## Band66-3MHz-QPSK-132657-15RB#0



Date: 28 SEP. 2020 13:46:43

## Band66-3MHz-16QAM-131987-1RB#0



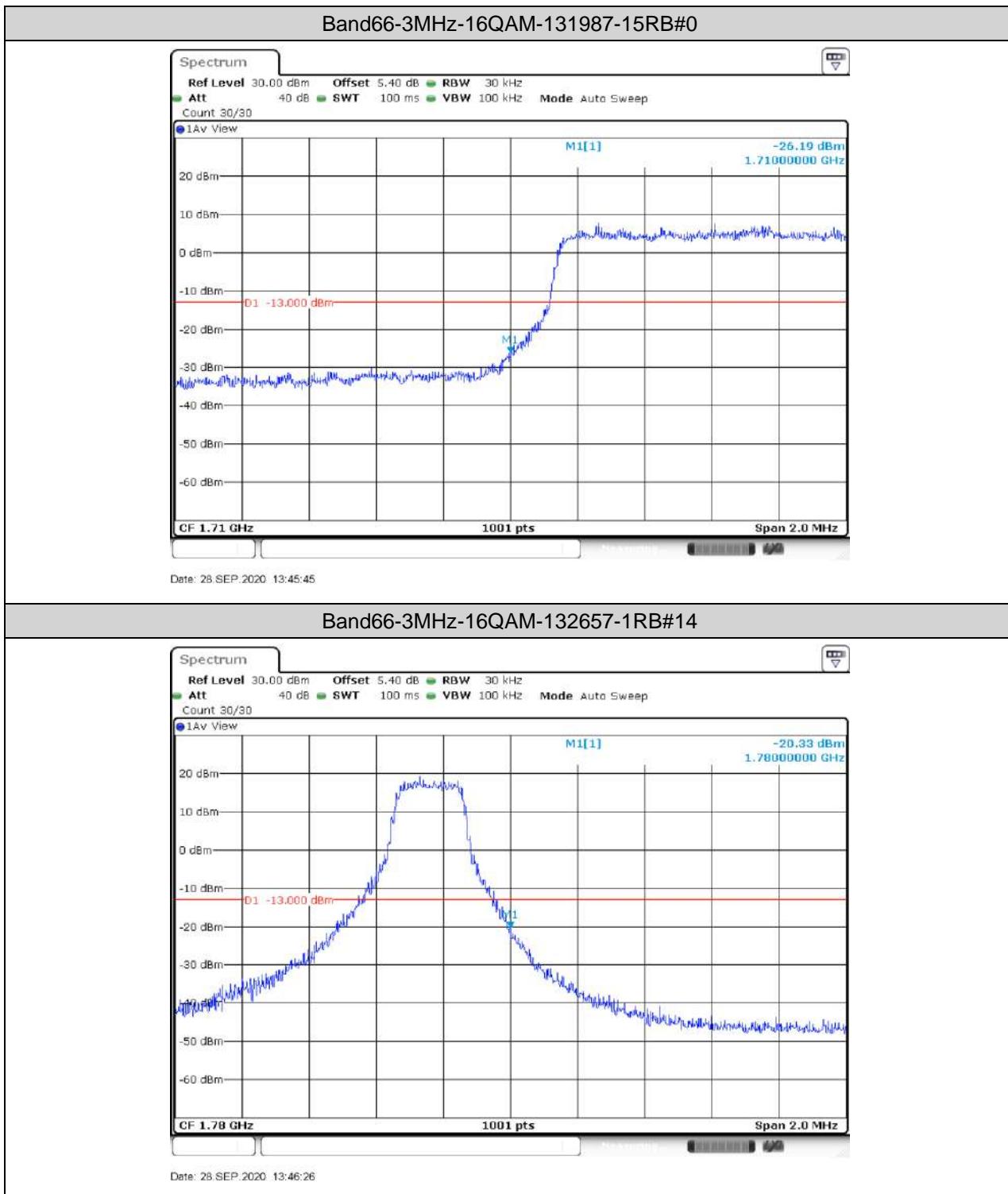
Date: 28 SEP. 2020 13:45:12

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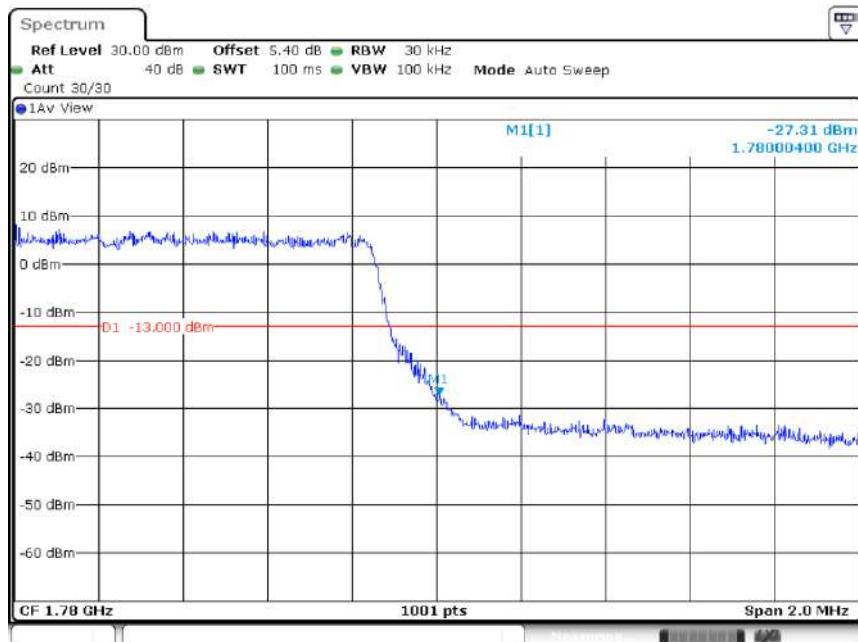
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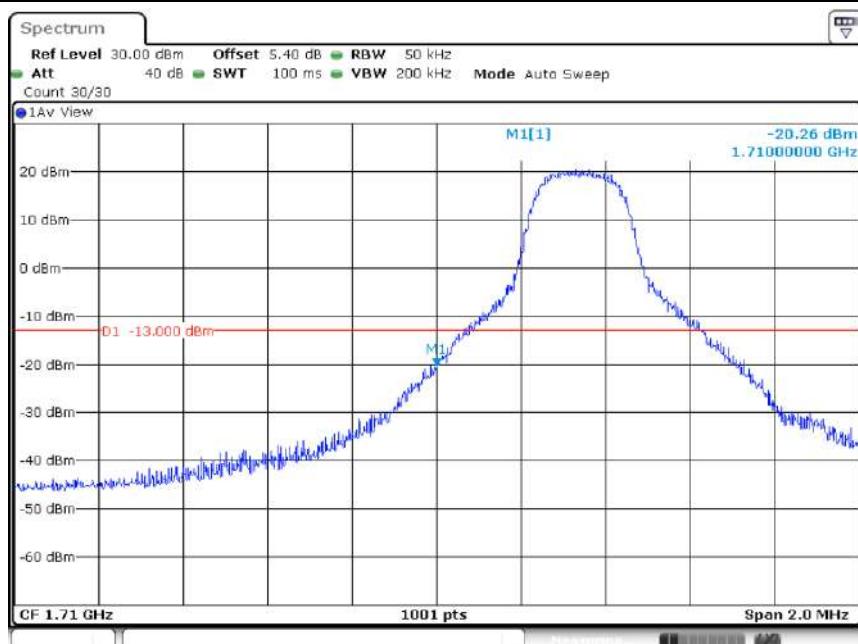
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## Band66-3MHz-16QAM-132657-15RB#0



Date: 28 SEP. 2020 13:46:59

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



Date: 28 SEP. 2020 13:47:24

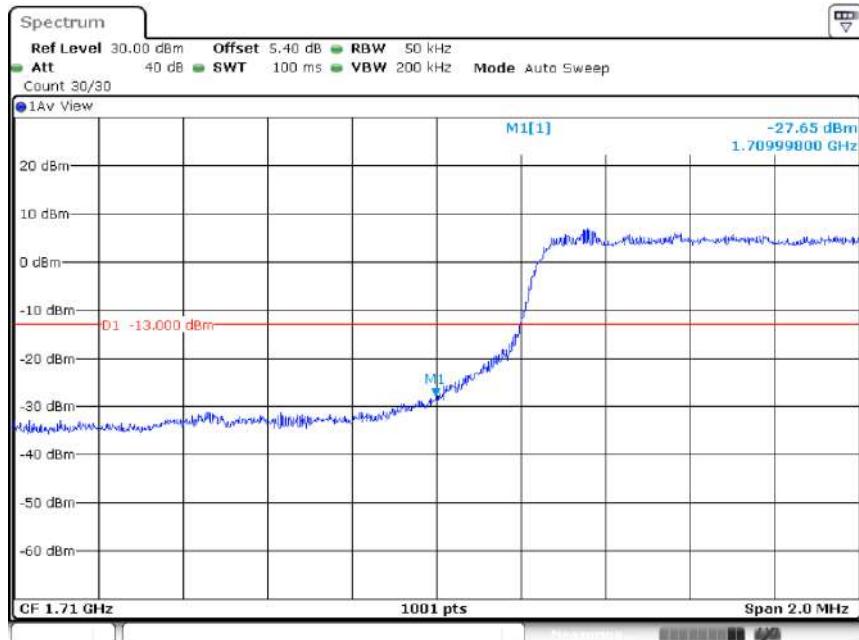
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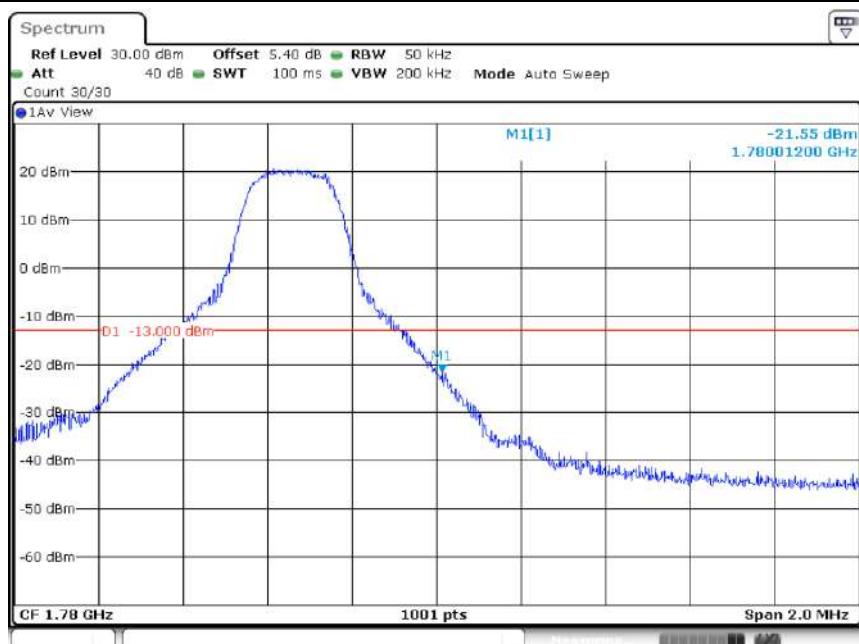
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## Band66-5MHz-QPSK-131997-25RB#0



Date: 28 SEP. 2020 13:47:57

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



Date: 28 SEP. 2020 13:48:37

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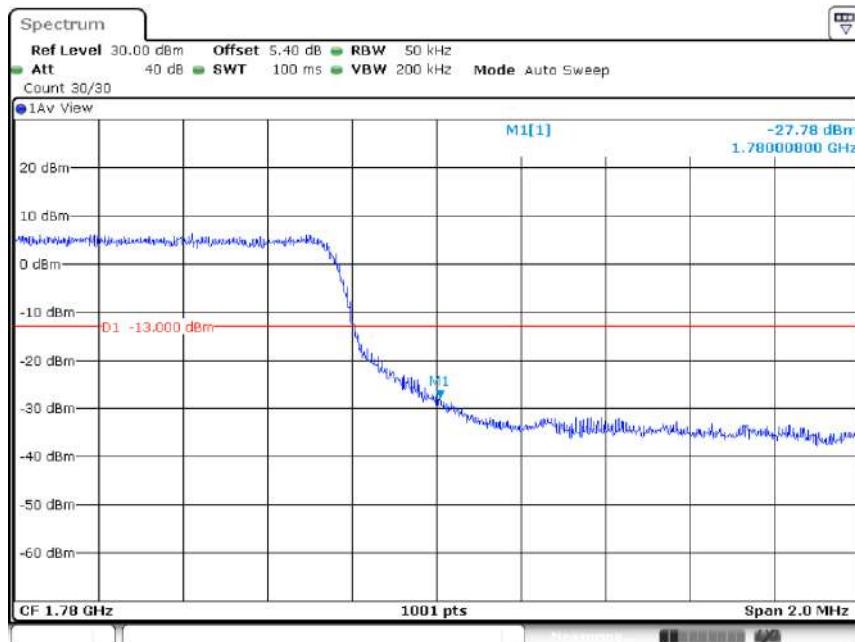
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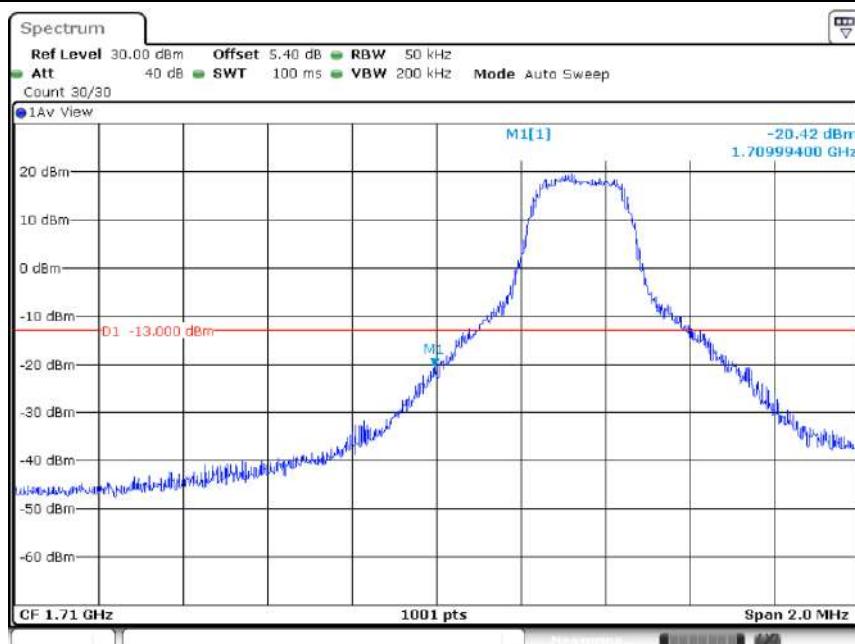
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## Band66-5MHz-QPSK-132647-25RB#0



Date: 28 SEP 2020 13:49:10

## Band66-5MHz-16QAM-131997-1RB#0

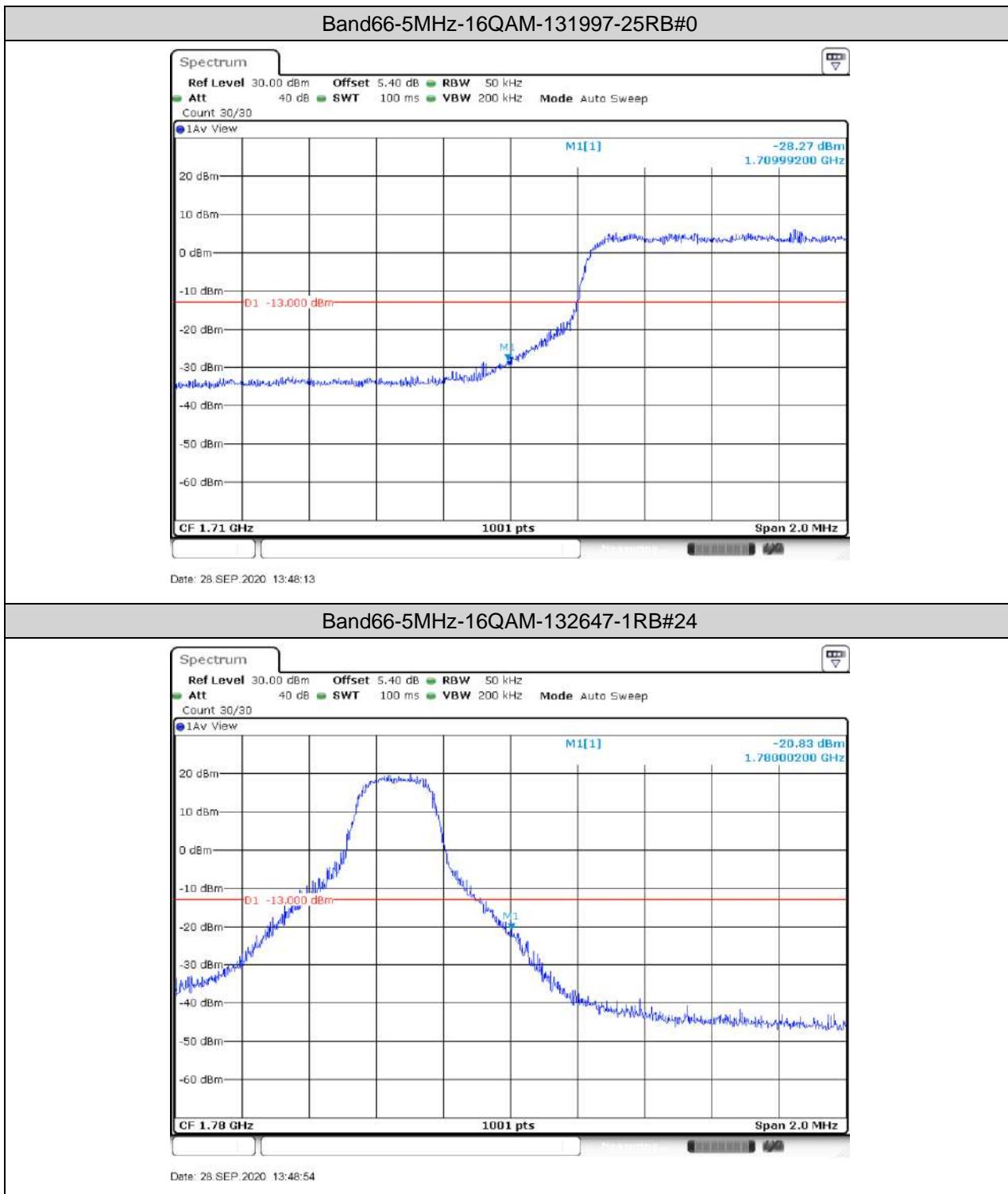


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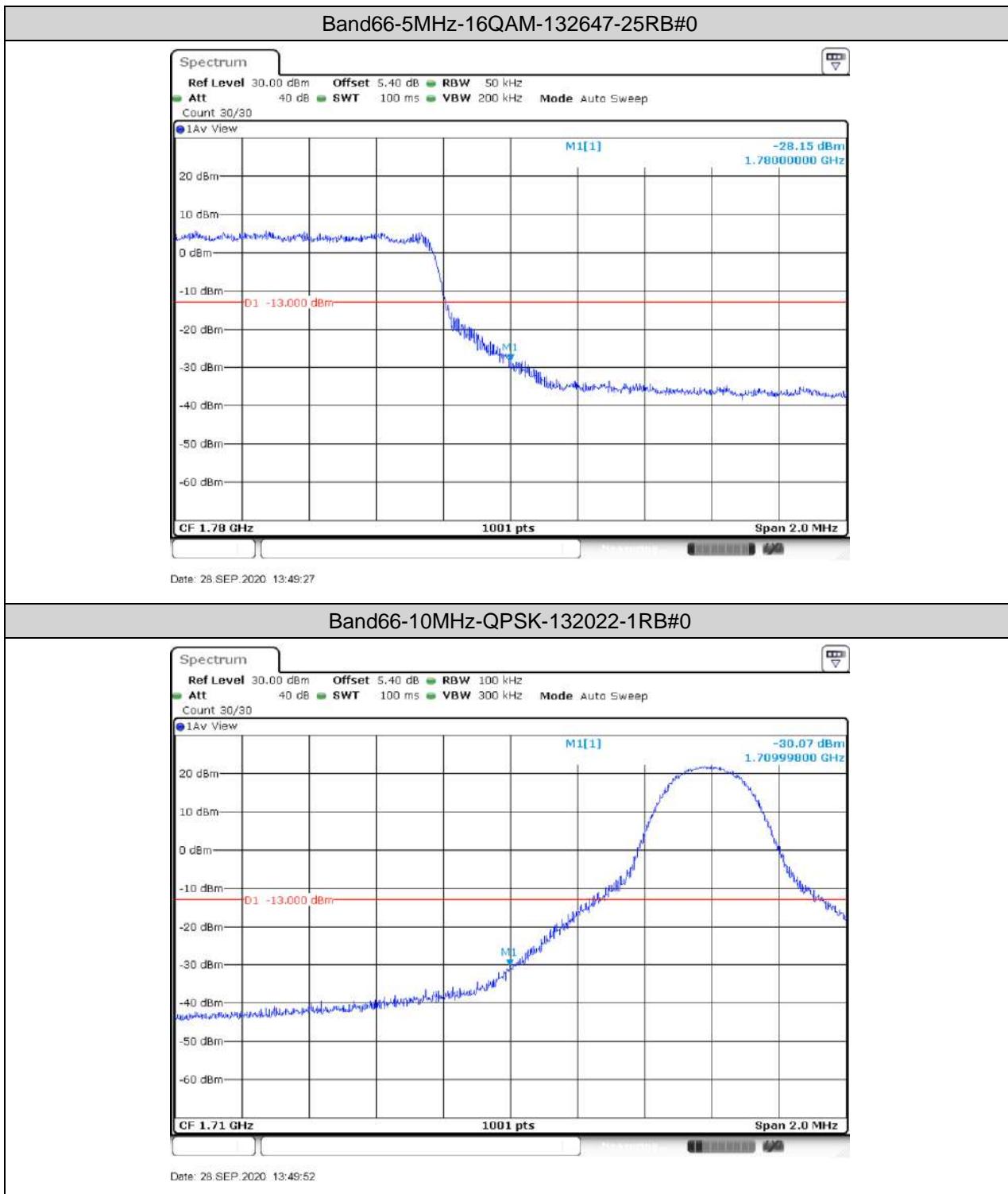
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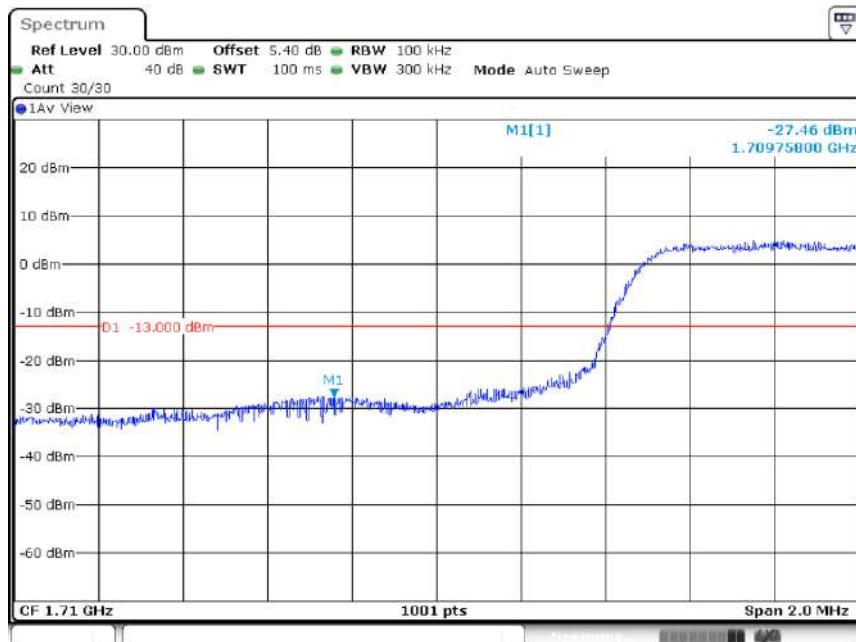
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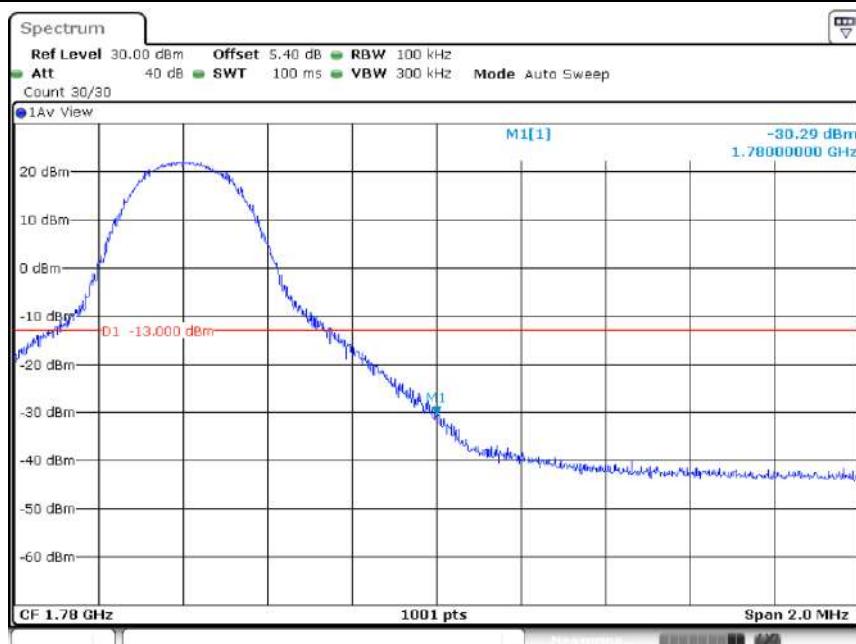
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## Band66-10MHz-QPSK-132022-50RB#0



Date: 28 SEP. 2020 13:50:25

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



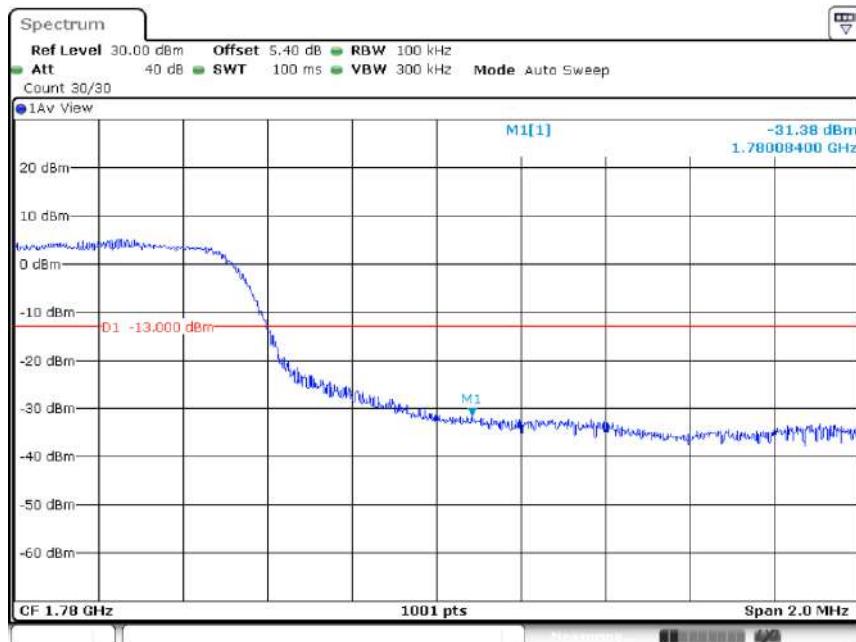
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## Band66-10MHz-QPSK-132622-50RB#0



Date: 28 SEP. 2020 13:51:38

## Band66-10MHz-16QAM-132022-1RB#0

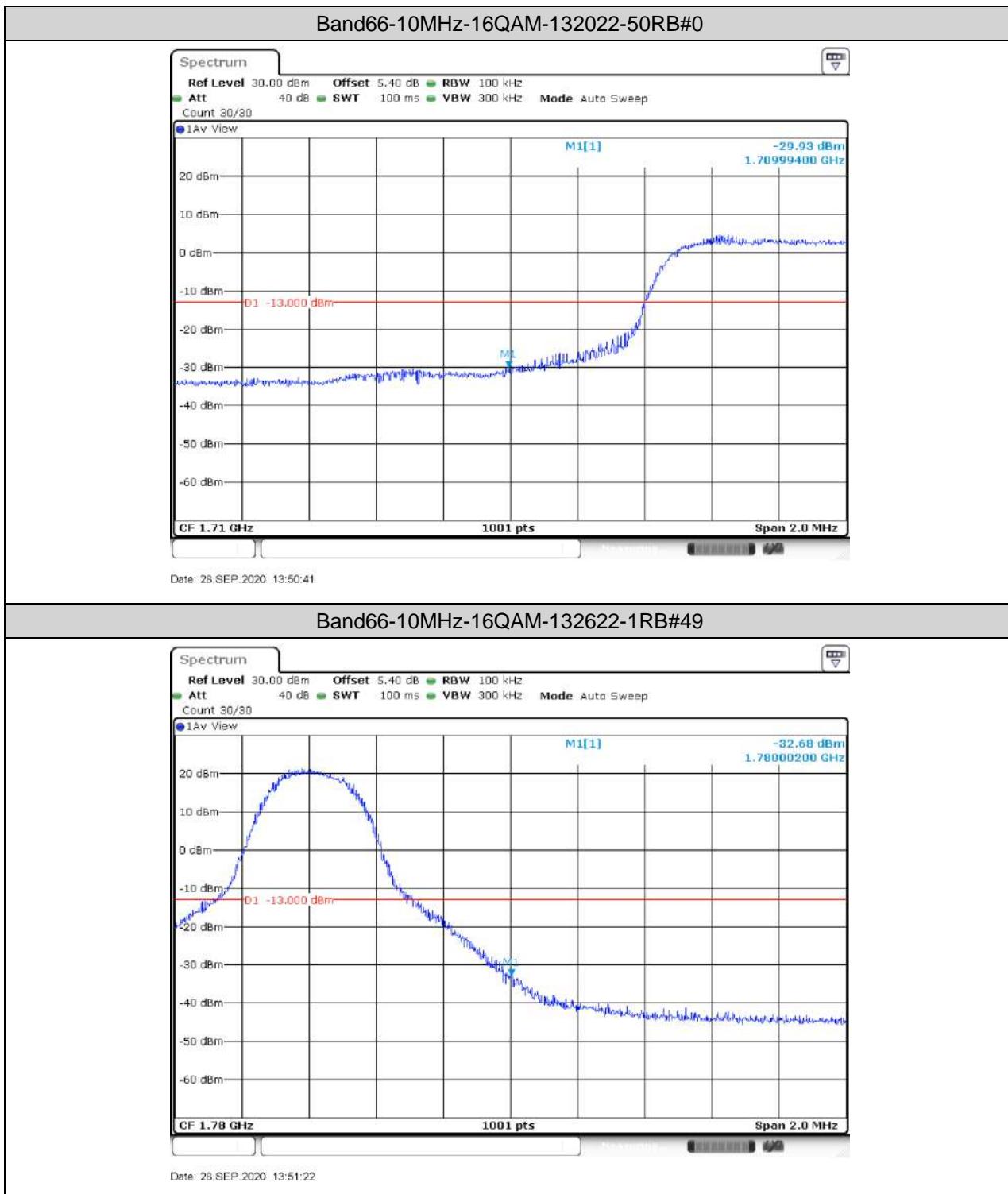


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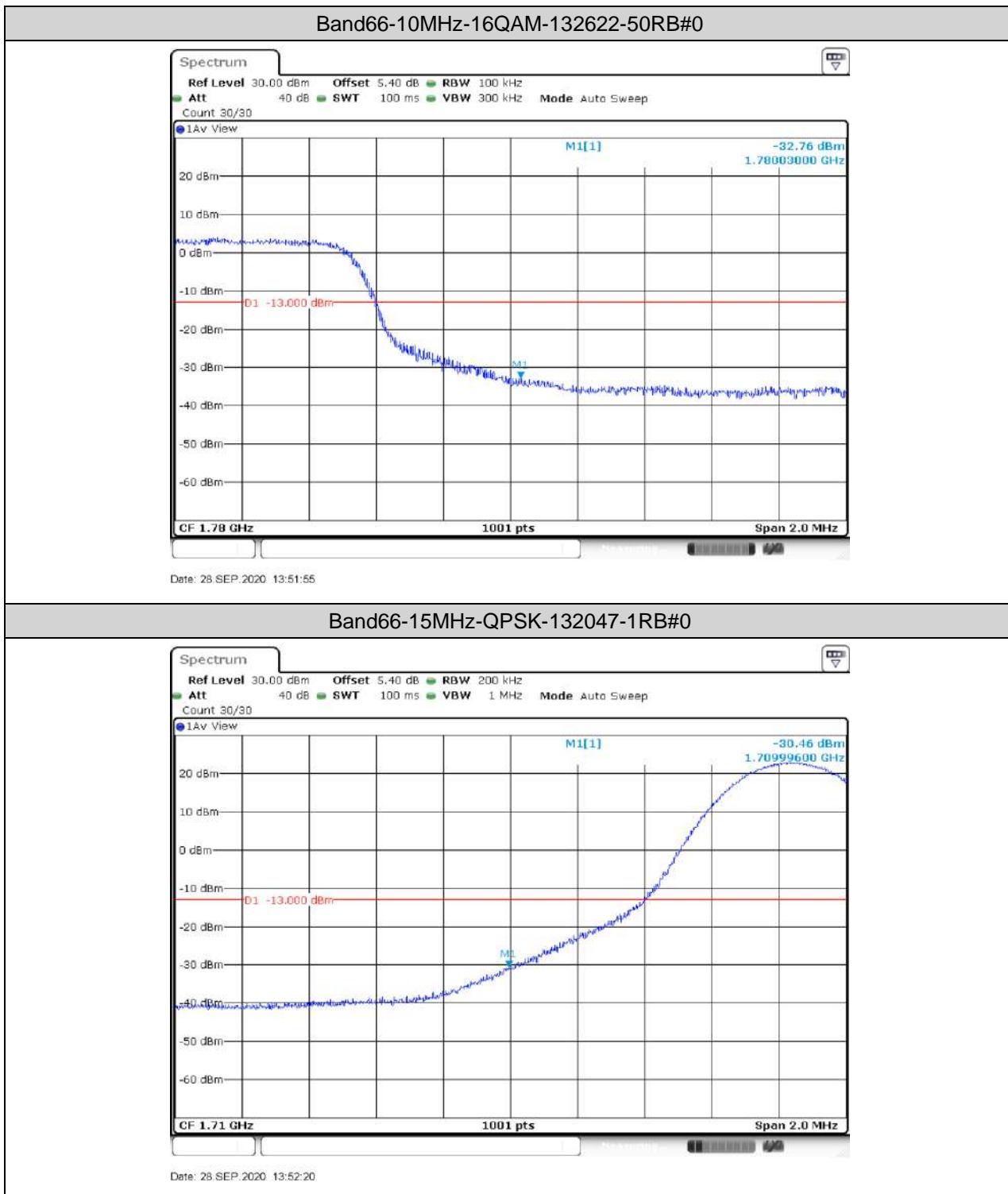
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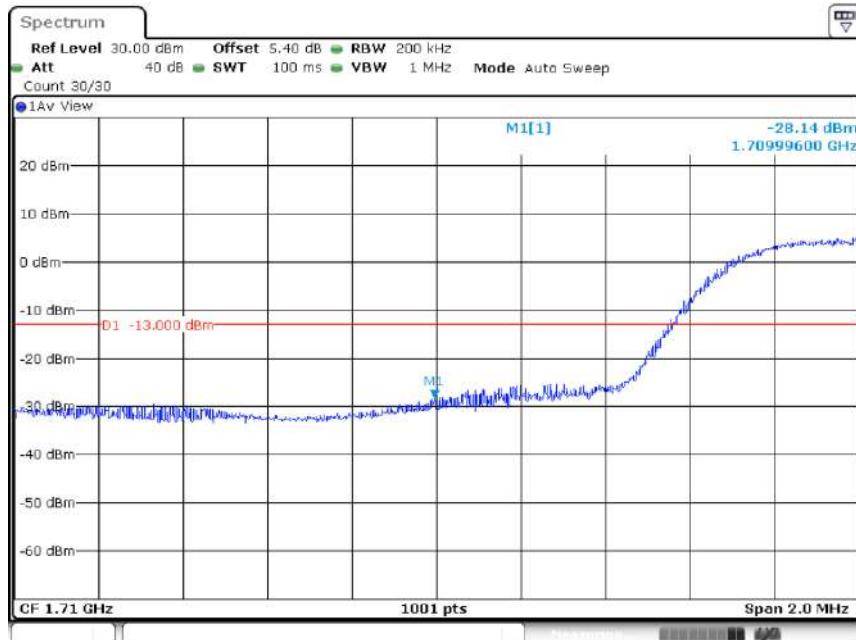


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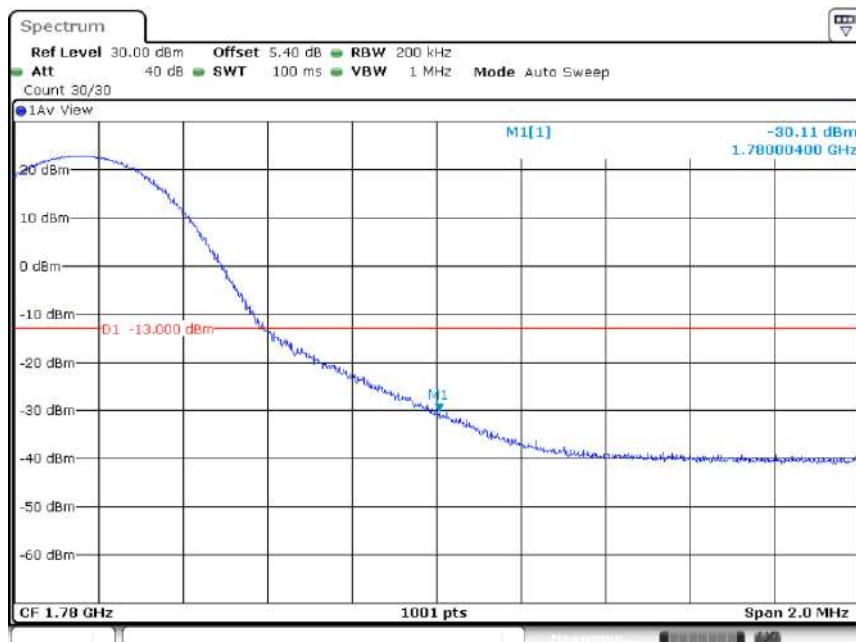


## Band66-15MHz-QPSK-132047-75RB#0



Date: 28 SEP. 2020 13:52:53

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

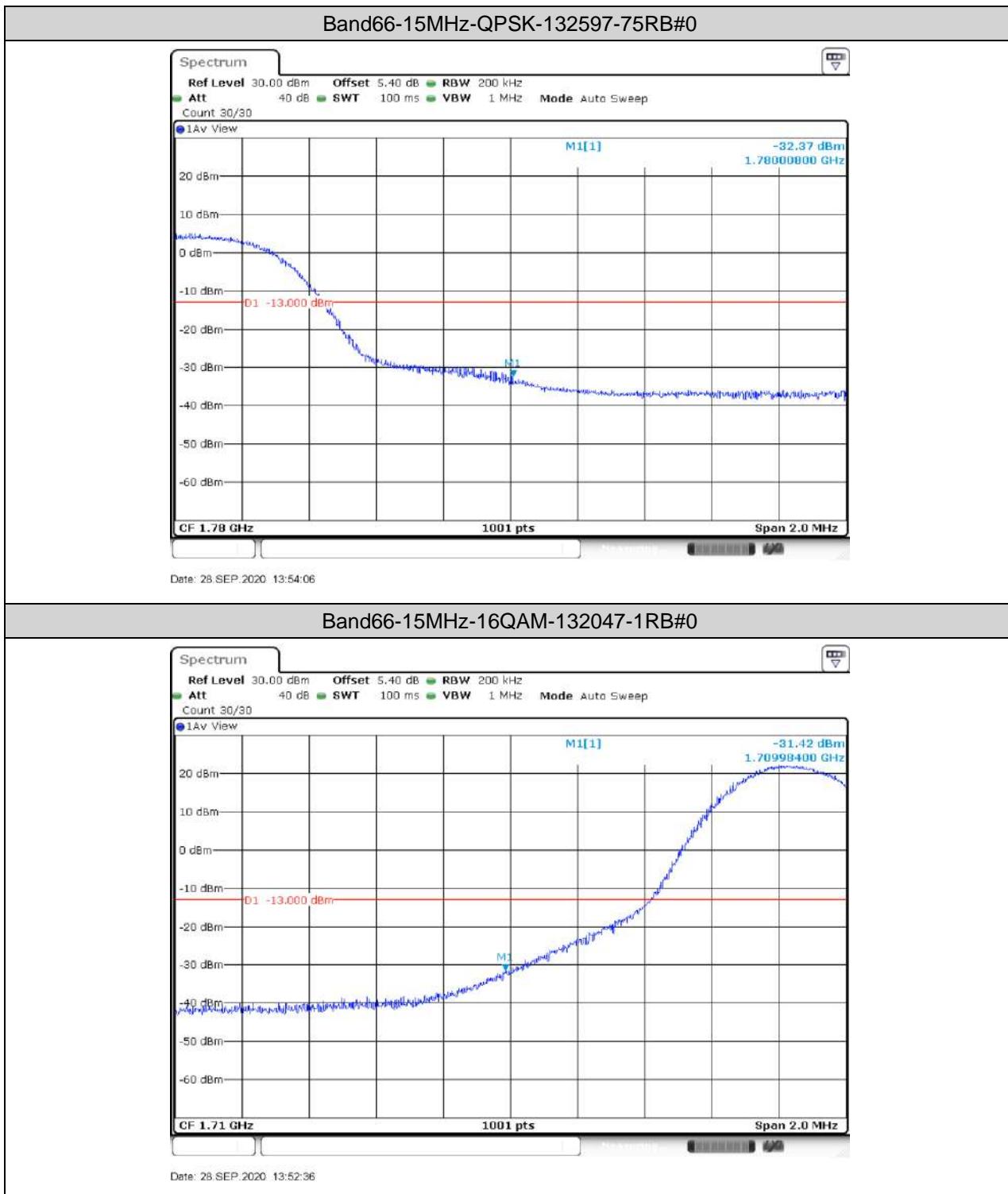


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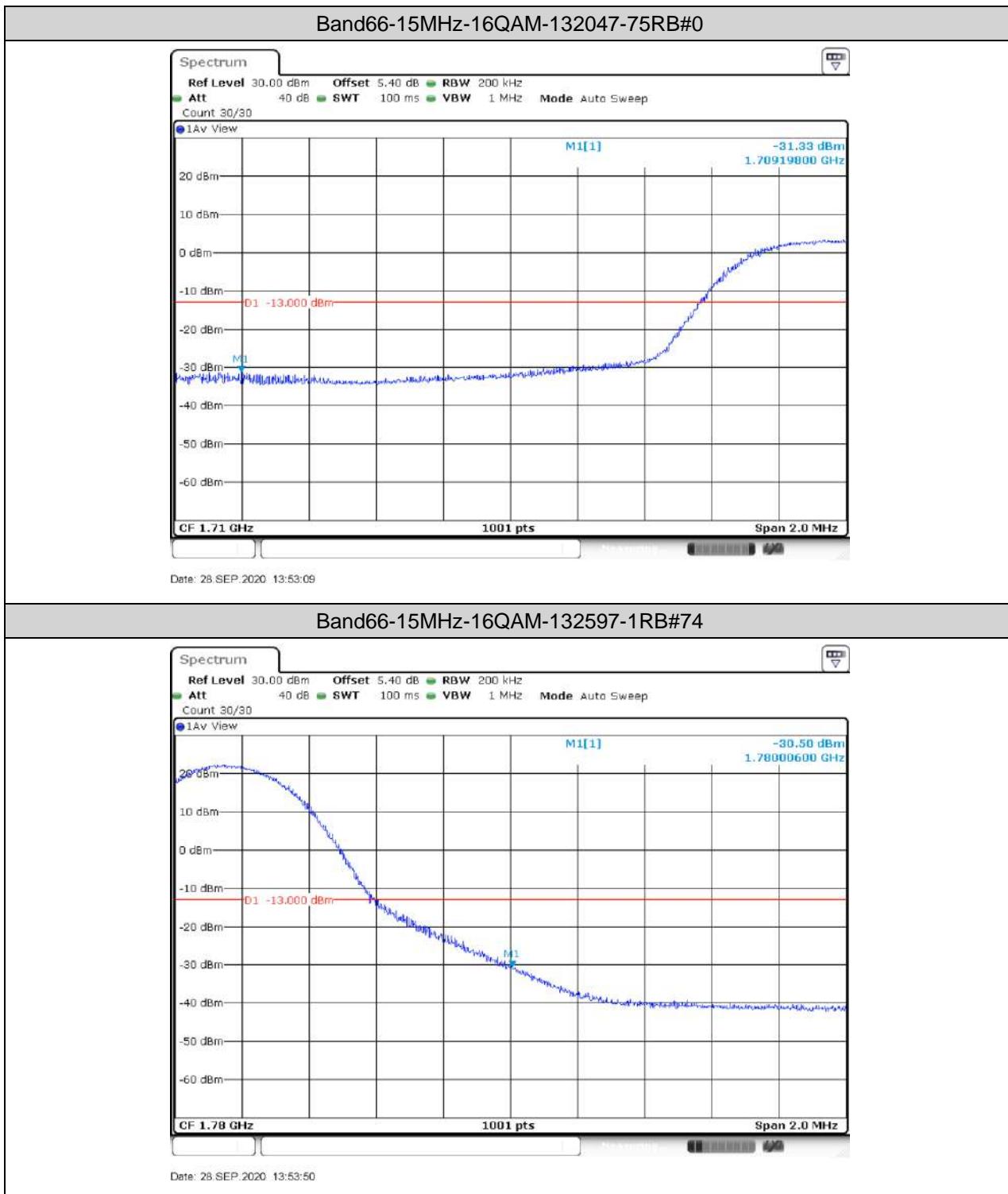
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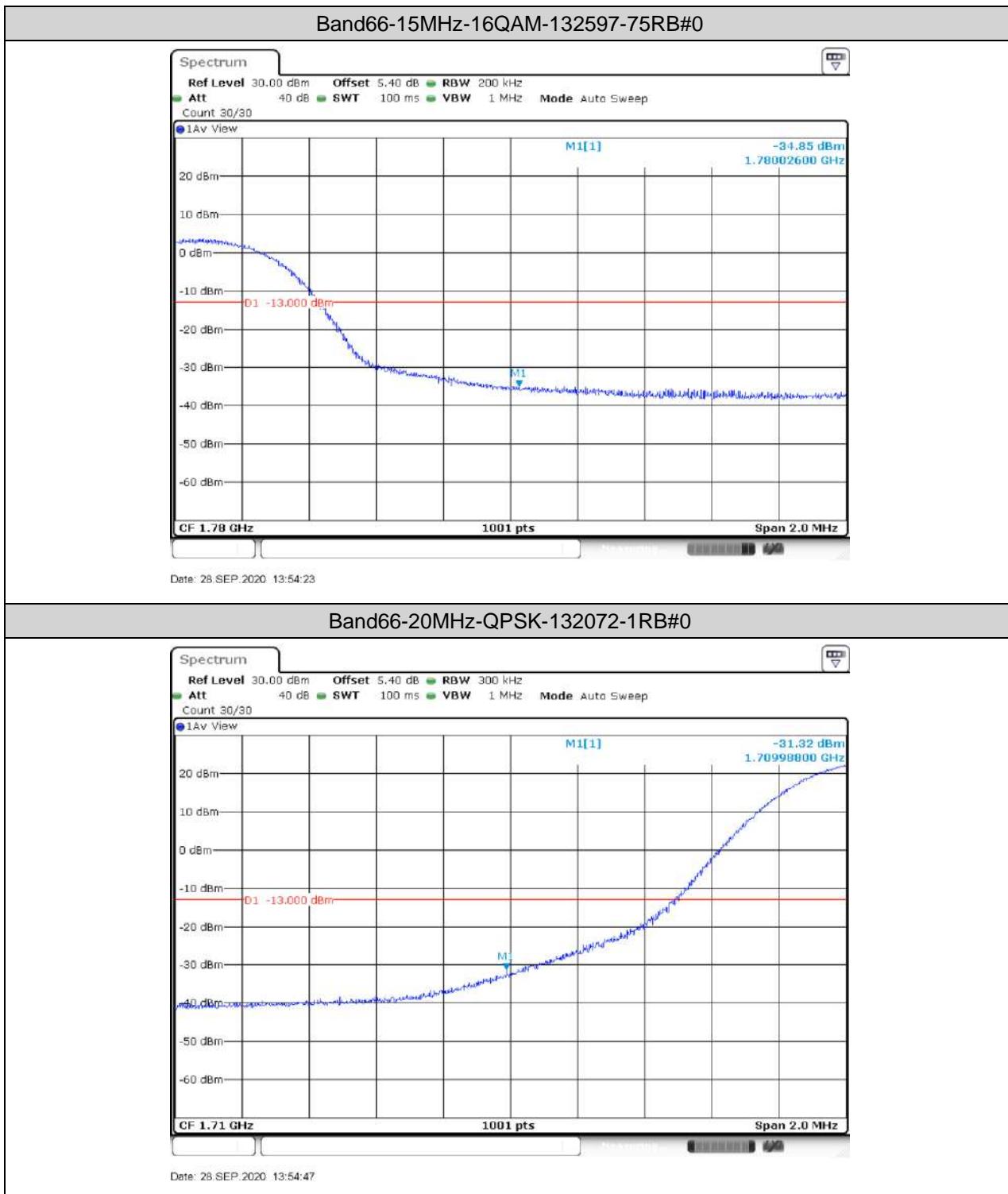
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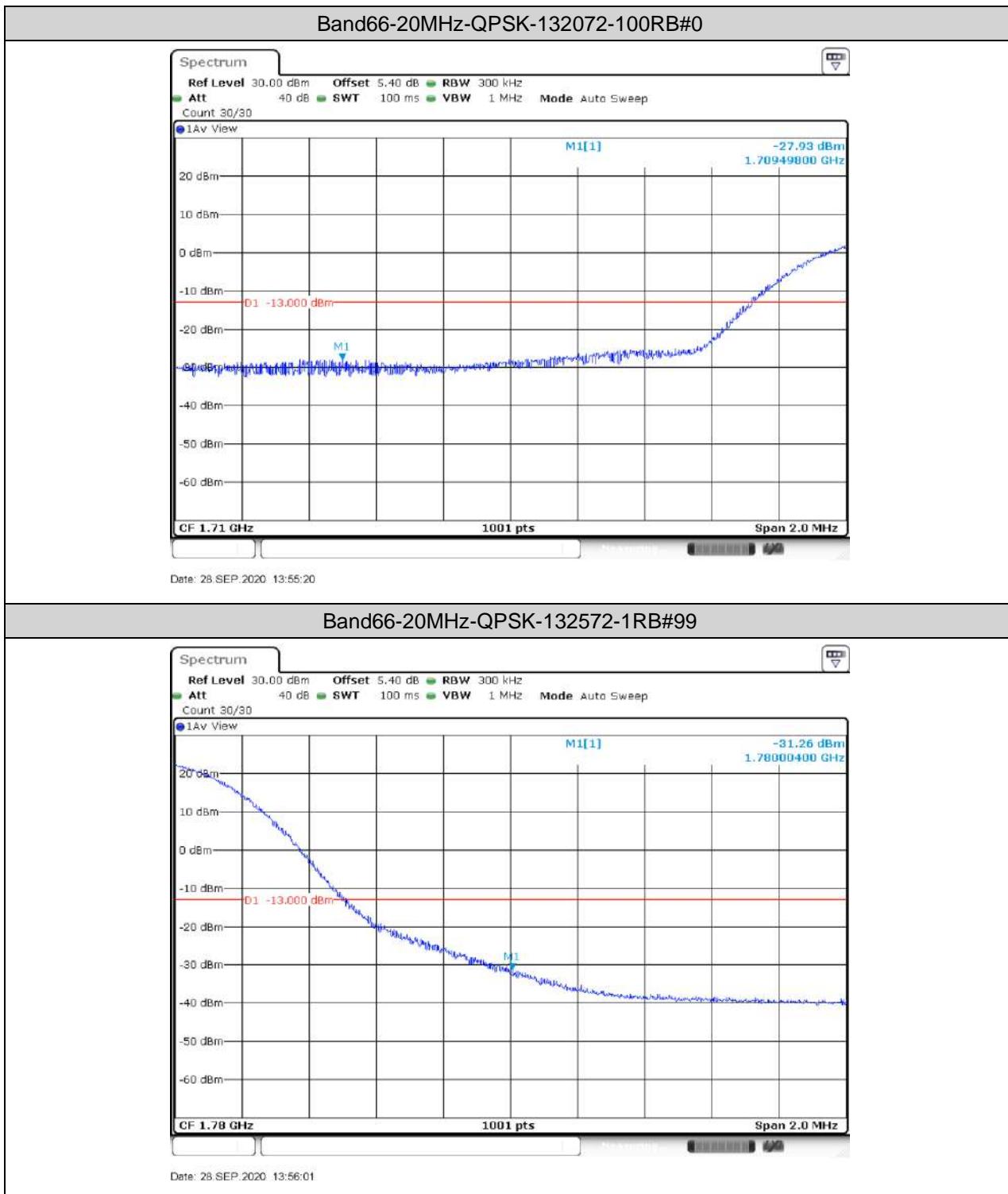


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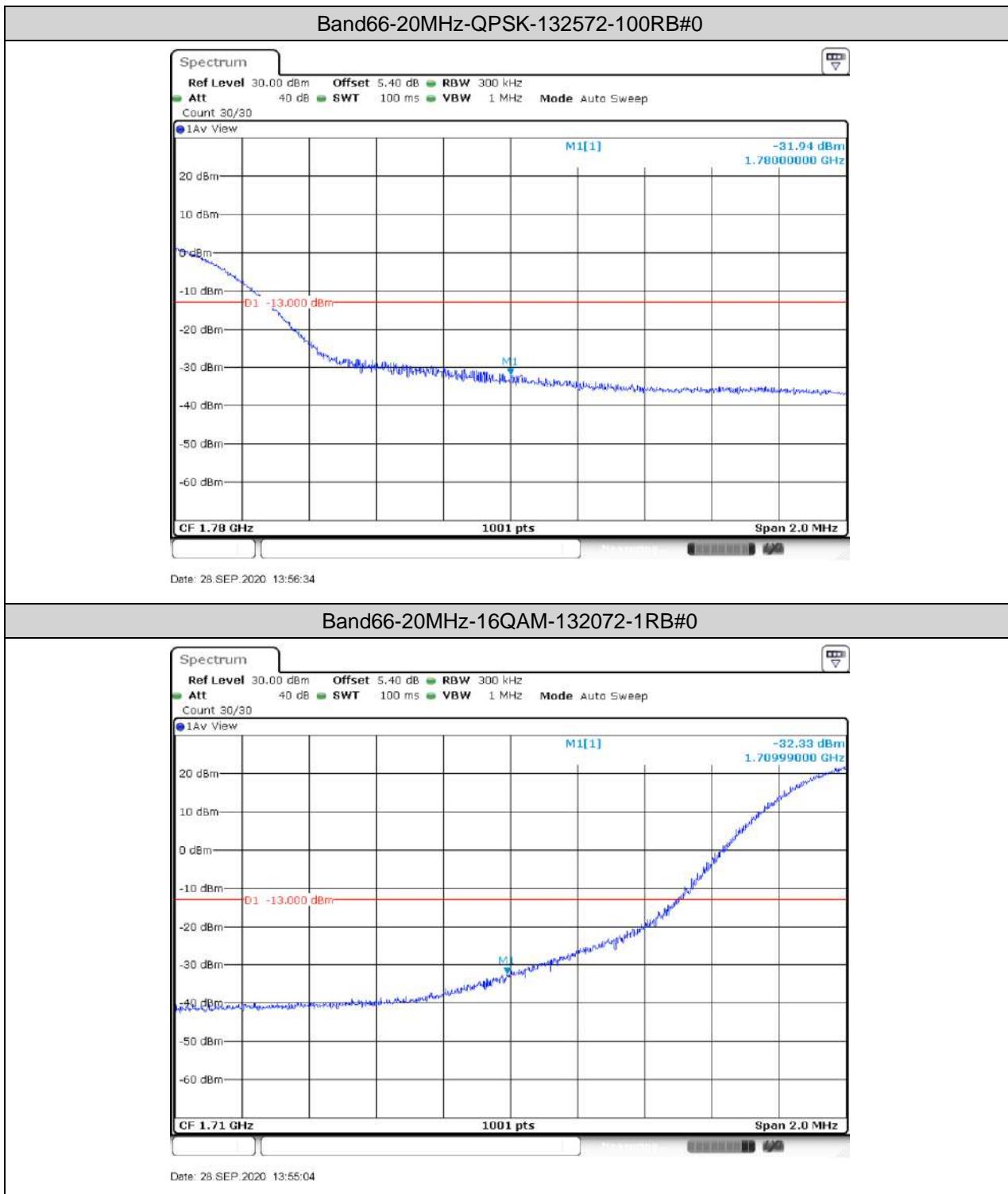


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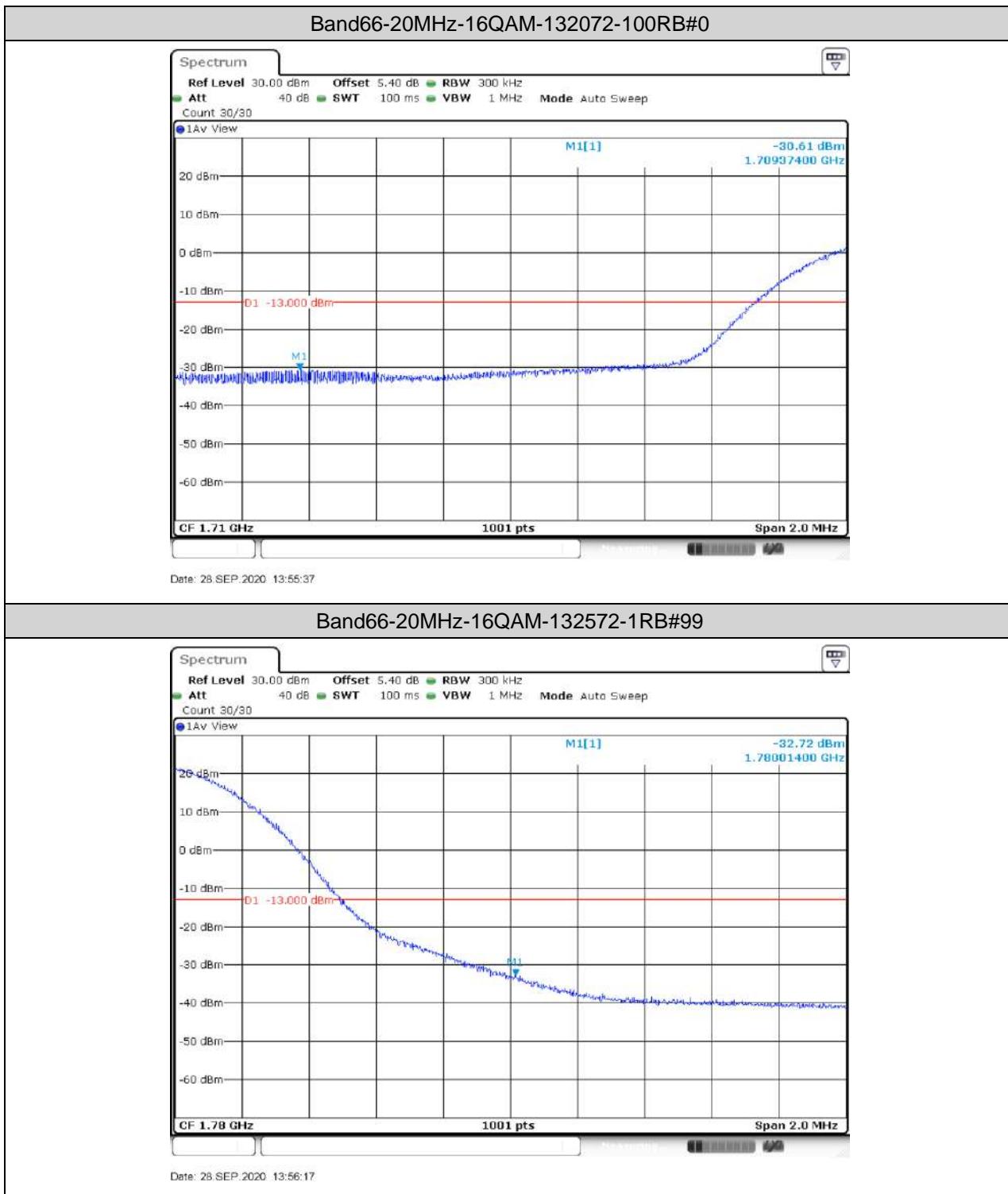
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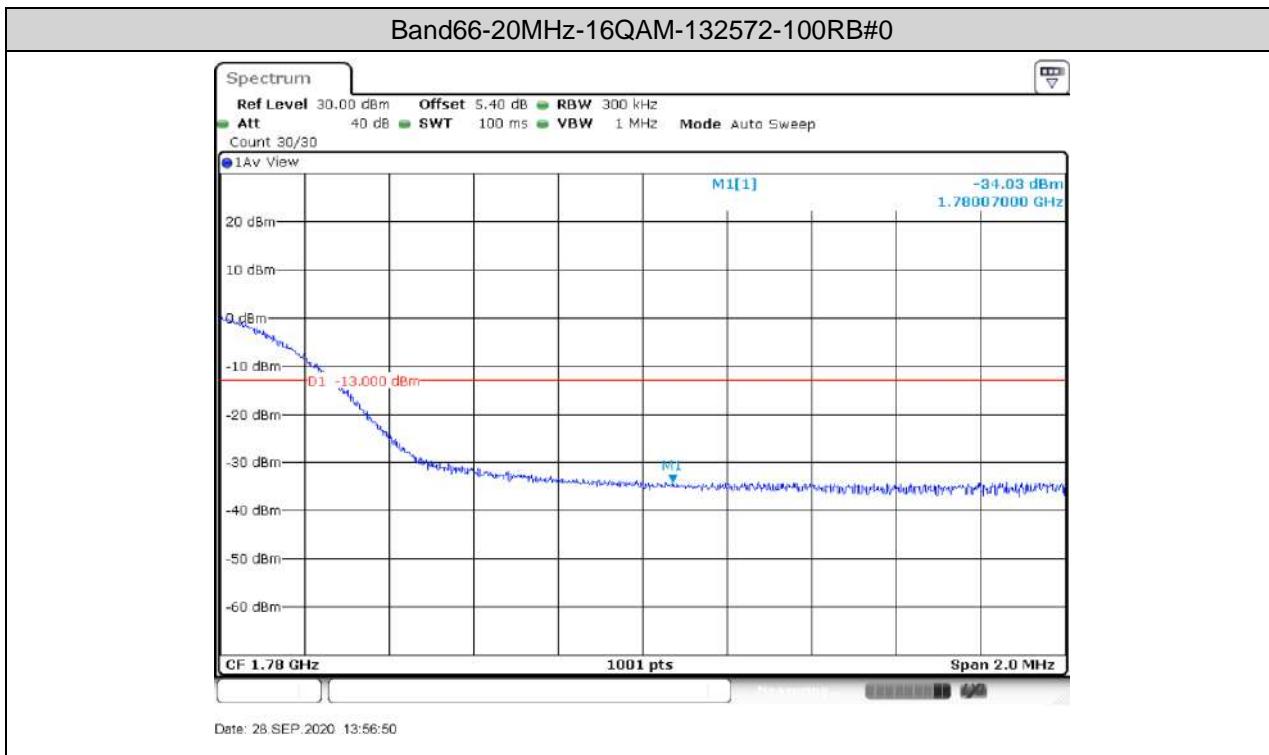
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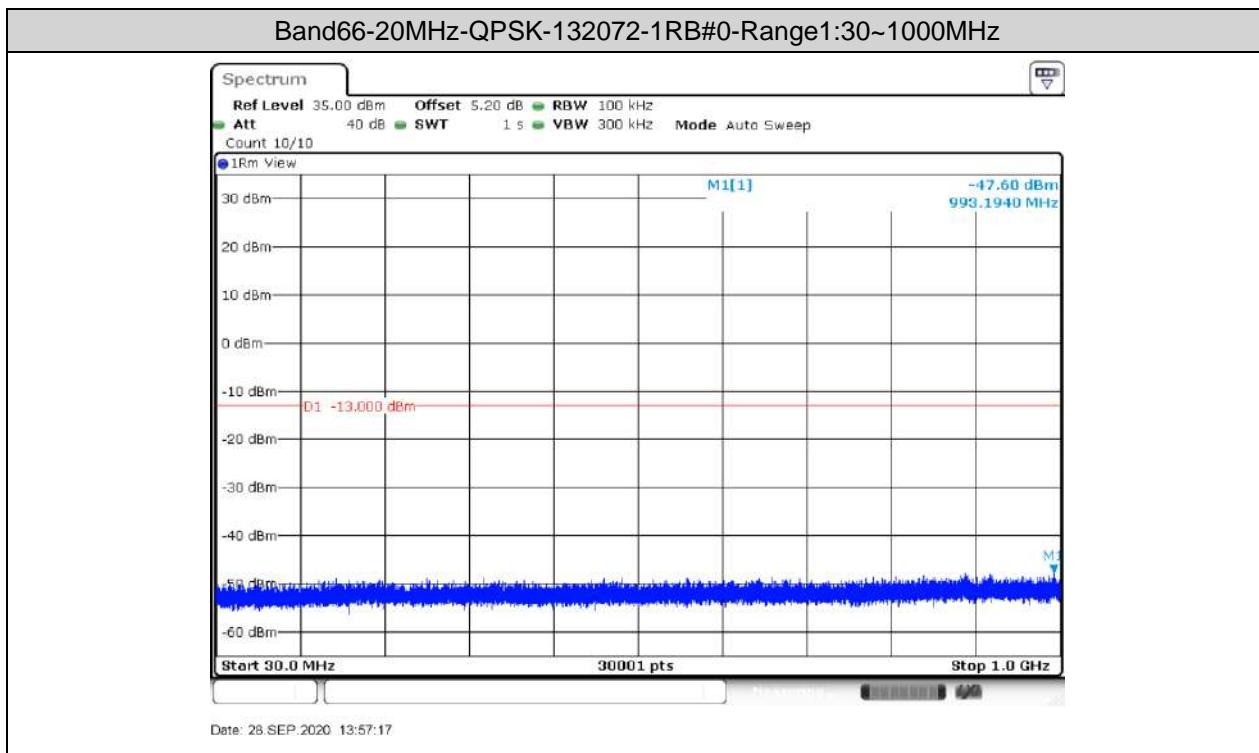
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## 6 Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< \text{RBW}/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k \* (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

### 6.1 Test Plots



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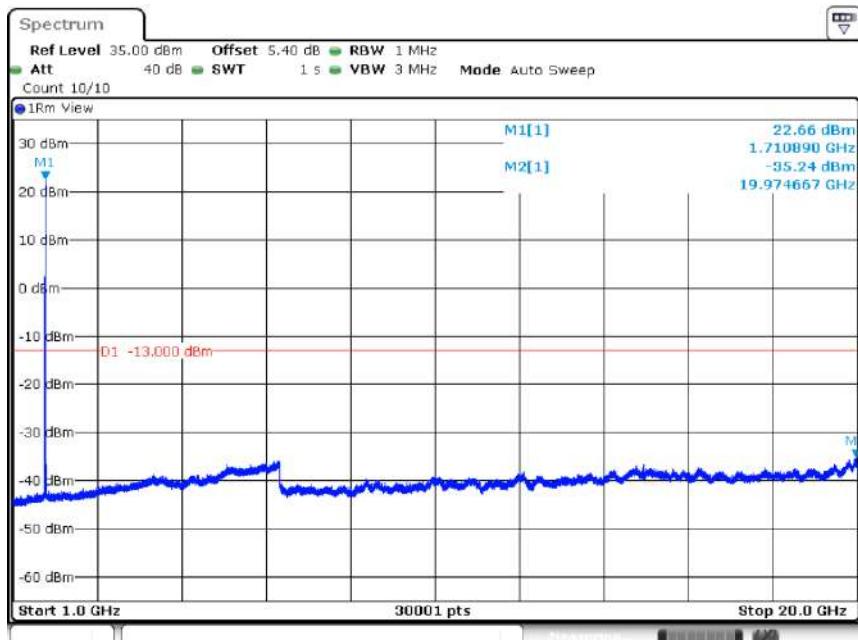
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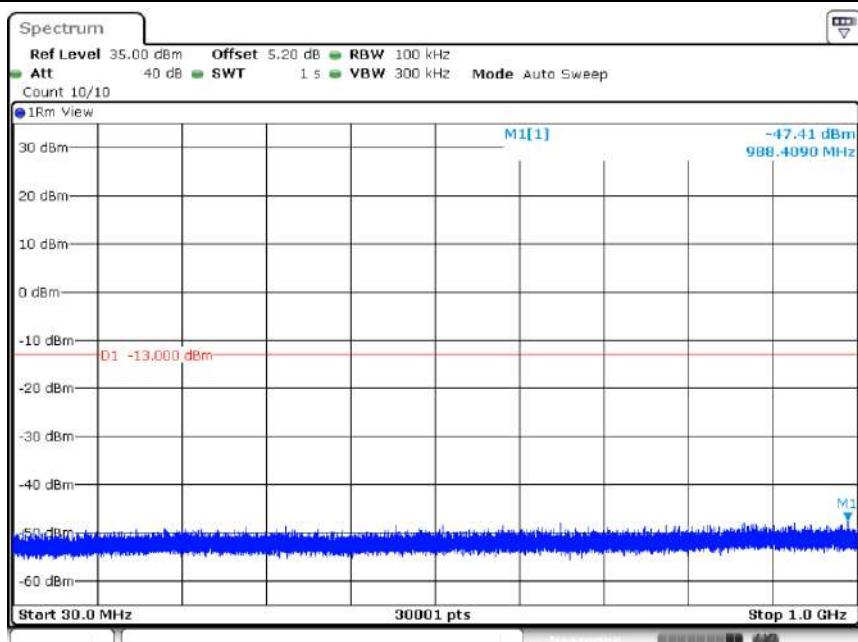
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## Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



Date: 28 SEP. 2020 13:57:34

## Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



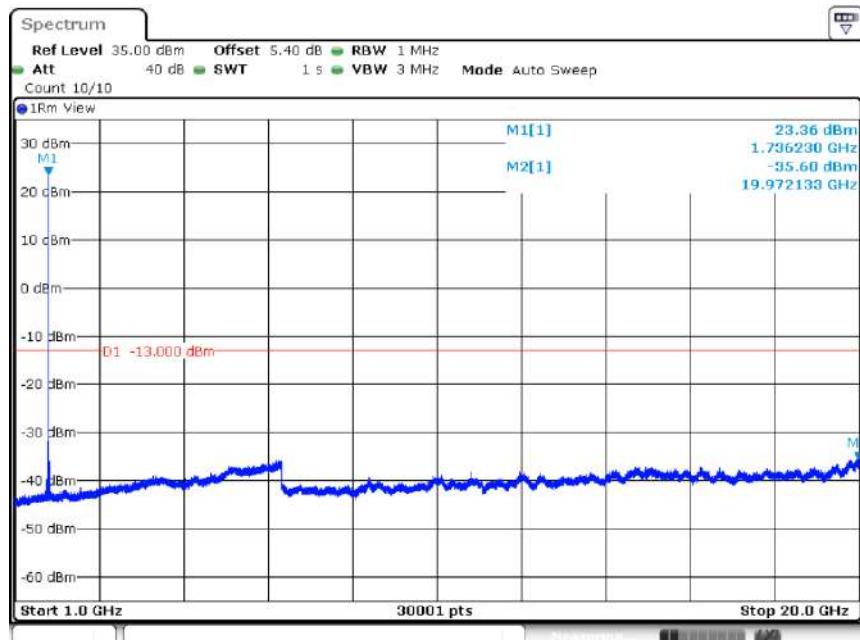
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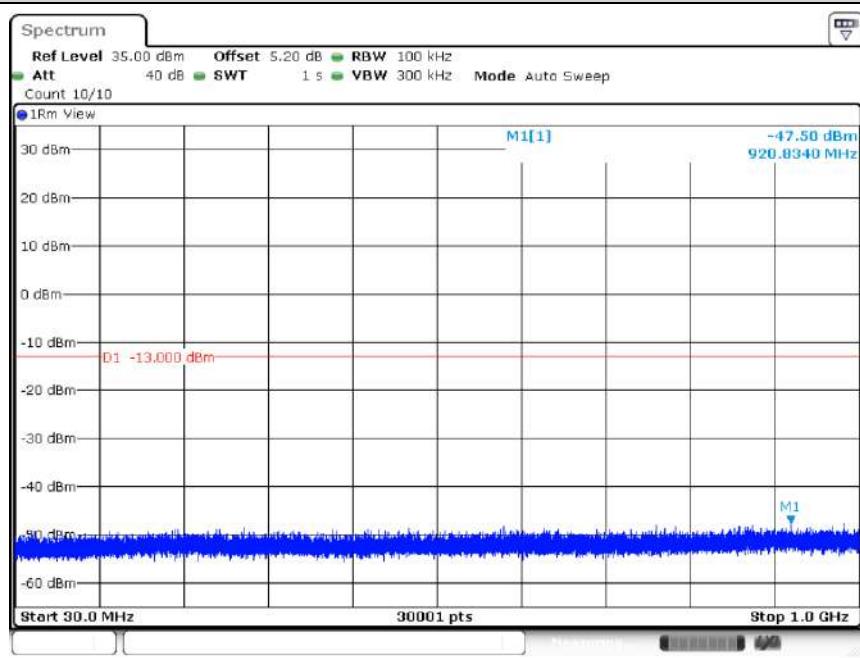
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## Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



## Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



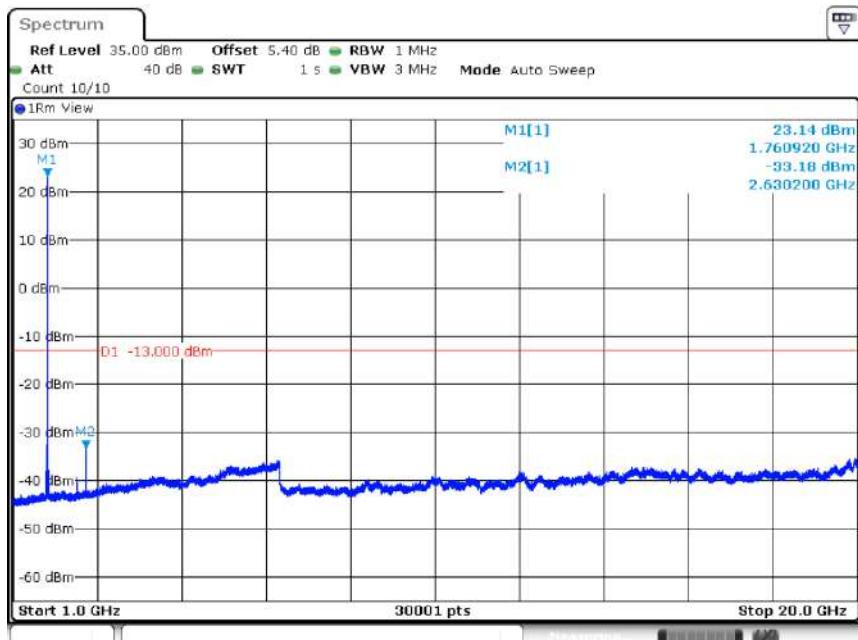
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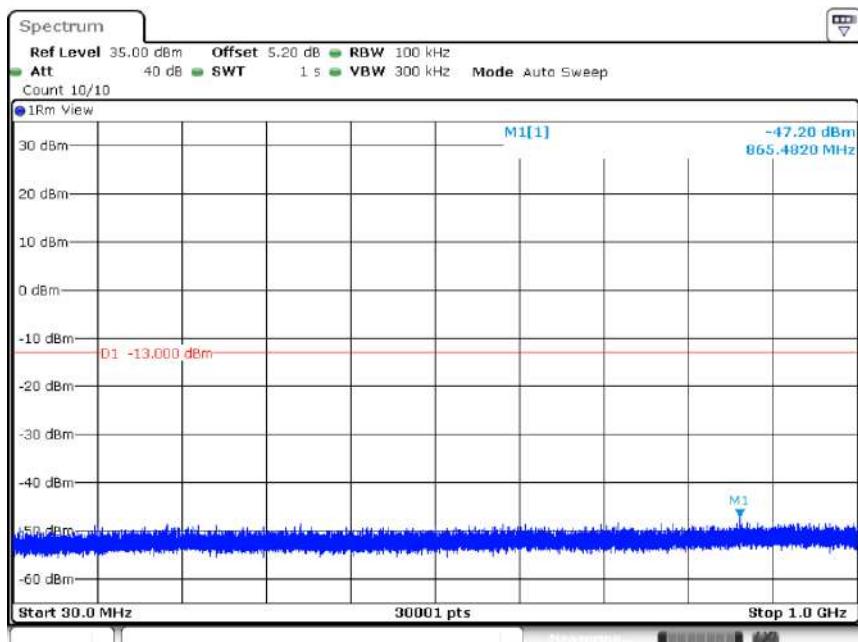
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## Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz



Date: 28 SEP. 2020 14:00:10

## Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



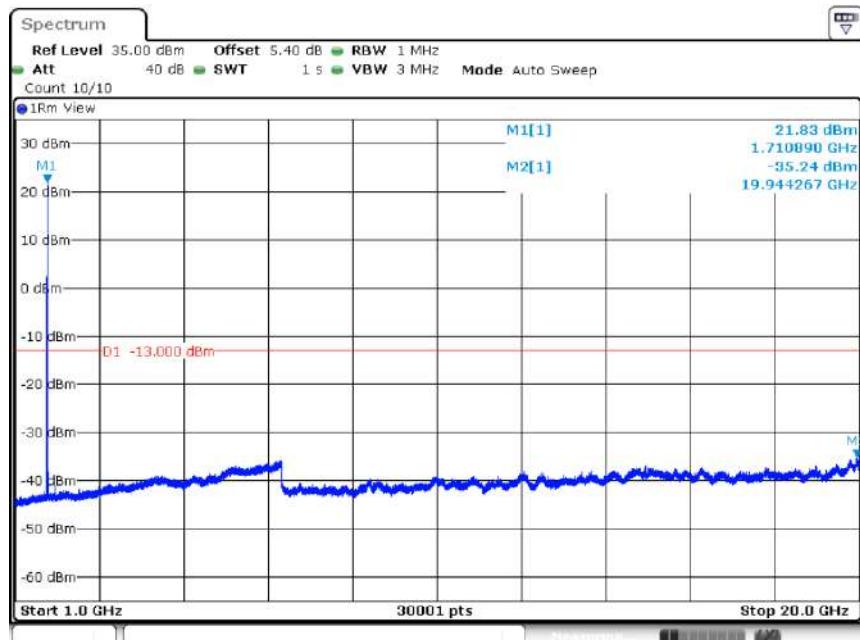
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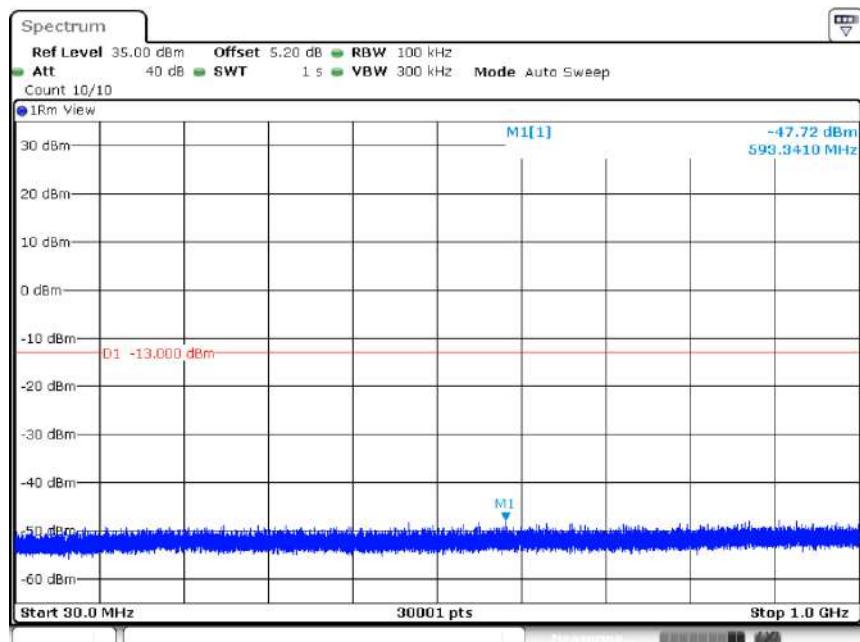


## Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz



Date: 28 SEP. 2020 13:58:13

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Date: 28 SEP. 2020 13:59:14

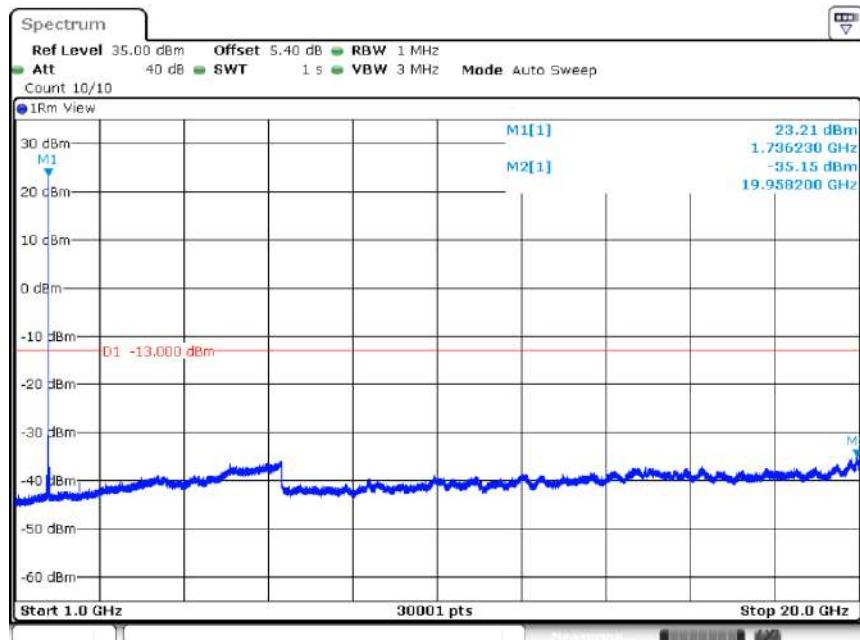
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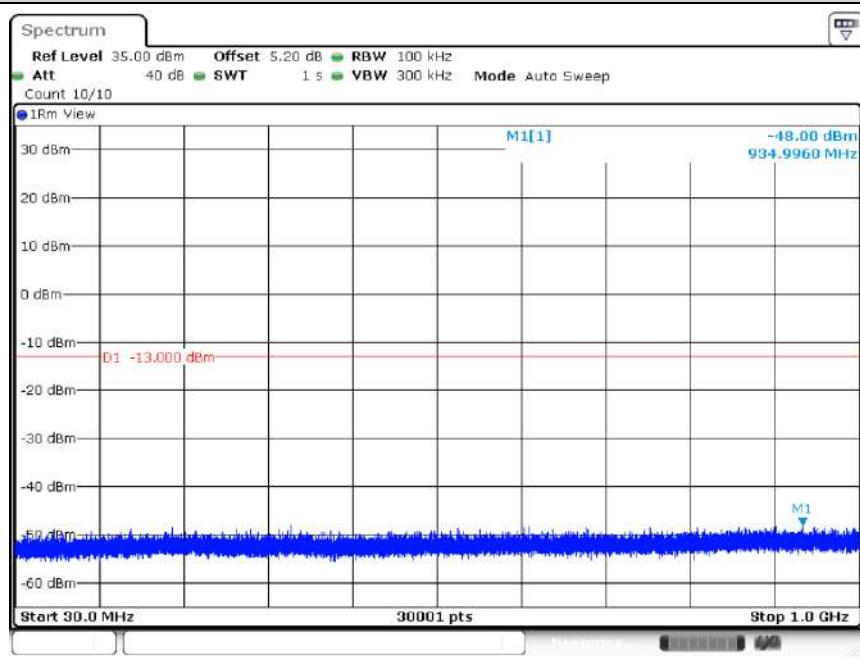


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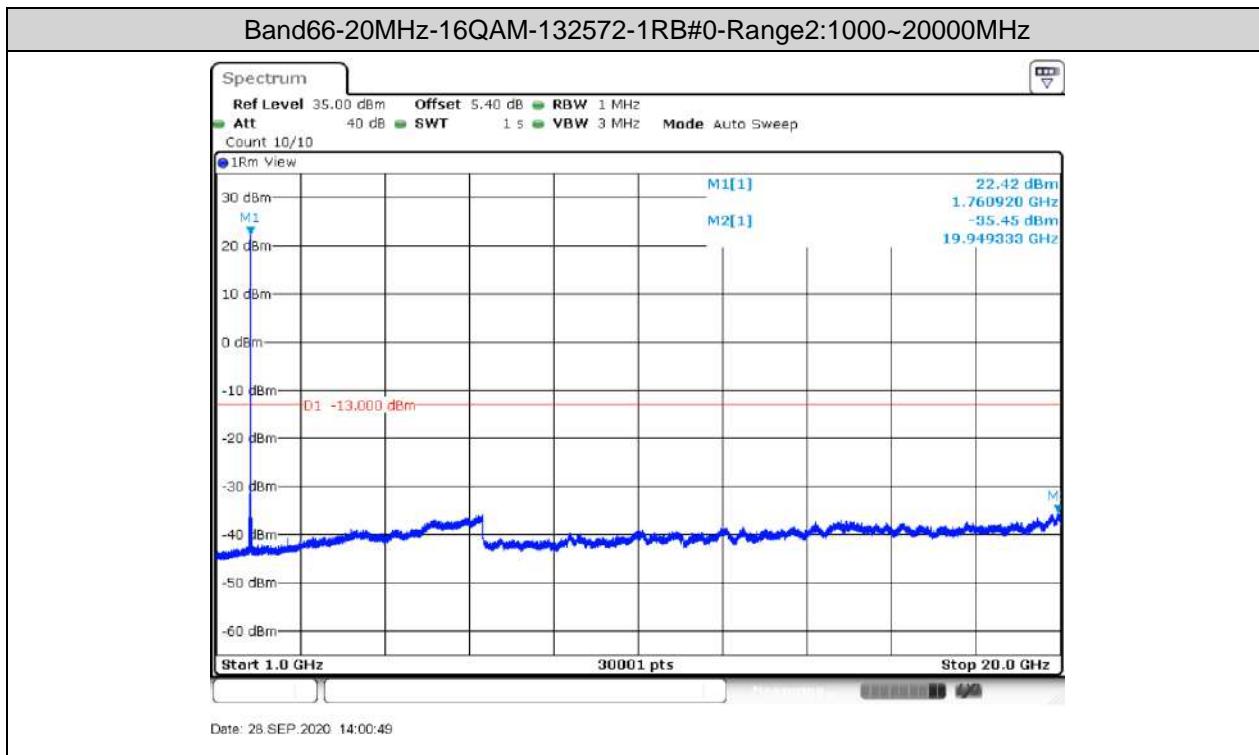
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## 7 Field Strength of Spurious Radiation

### 7.1 Test Mode =LTE/TM1 20MHz

#### 7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
31.3581	-74.73	-13.00	61.73	196	195	Vertical
109.1560	-64.63	-13.00	51.63	263	227	Vertical
397.2119	-67.98	-13.00	54.98	111	290	Vertical
3422.0141	-54.82	-13.00	41.82	278	259	Vertical
7400.6467	-56.24	-13.00	43.24	294	67	Vertical
17991.9997	-40.03	-13.00	27.03	217	290	Vertical
47.9944	-64.15	-13.00	51.15	165	259	Horizontal
104.0632	-75.72	-13.00	62.72	111	100	Horizontal
239.6760	-68.44	-13.00	55.44	187	354	Horizontal
3422.0141	-53.24	-13.00	40.24	196	227	Horizontal
7473.6491	-56.12	-13.00	43.12	143	195	Horizontal
16393.4464	-43.77	-13.00	30.77	252	227	Horizontal

#### 7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
30.6305	-74.52	-13.00	61.52	253	227	Vertical
110.4170	-65.38	-13.00	52.38	222	354	Vertical
363.5027	-68.75	-13.00	55.75	287	258	Vertical
3472.0157	-58.47	-13.00	45.47	196	258	Vertical
5208.5736	-60.58	-13.00	47.58	145	35	Vertical
17997.9999	-40.35	-13.00	27.35	184	195	Vertical
44.5507	-64.58	-13.00	51.58	196	259	Horizontal
99.7950	-76.44	-13.00	63.44	254	355	Horizontal
239.2395	-68.50	-13.00	55.50	114	227	Horizontal
3472.0157	-56.08	-13.00	43.08	152	195	Horizontal
7452.6484	-56.07	-13.00	43.07	188	99	Horizontal
16391.9464	-44.00	-13.00	31.00	154	68	Horizontal

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### 7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
31.4551	-74.56	-13.00	61.56	174	228	Vertical
109.9320	-65.30	-13.00	52.30	154	35	Vertical
398.0364	-67.59	-13.00	54.59	111	35	Vertical
3522.0174	-59.84	-13.00	46.84	163	35	Vertical
5283.0761	-60.78	-13.00	47.78	254	355	Vertical
17999.0000	-39.88	-13.00	26.88	278	164	Vertical
40.4280	-64.17	-13.00	51.17	252	355	Horizontal
244.3807	-68.51	-13.00	55.51	266	355	Horizontal
562.2656	-65.12	-13.00	52.12	274	132	Horizontal
3522.0174	-60.14	-13.00	47.14	154	36	Horizontal
7363.1454	-56.21	-13.00	43.21	196	259	Horizontal
16400.4467	-43.76	-13.00	30.76	152	100	Horizontal

**Remark:**

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch, Inspection & Testing Services Laboratory  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057  
中国·深圳·科技园中区M-10栋一号厂房  
邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
sgs.china@sgs.com

## 8 Frequency Stability

### 8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage						Verdict
					Volta	ge [Vdc]	Temper	ature (°C)	Deviati	on (Hz)	
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	3.70	0.002151	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	2.40	0.001395	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	1.20	0.000698	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-0.60	-0.000344	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	0.40	0.000229	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.70	-0.000974	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	0.80	0.000452	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	1.20	0.000678	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	2.10	0.001186	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.90	0.001686	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	2.20	0.001279	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	1.70	0.000988	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-1.80	-0.001032	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-0.80	-0.000458	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-2.00	-0.001146	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-1.40	-0.000791	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	1.40	0.000791	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	-0.40	-0.000226	±2.5	PASS	

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## 8.2 Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature						Verdict
					Volta ge [Vdc]	Temper ature (°C)	Deviati on (Hz)	Deviati on (ppm)	Limit (ppm)		
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	3.20	0.001860	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	1.50	0.000872	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	-10	2.70	0.001570	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	0	1.70	0.000988	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	10	1.20	0.000698	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	20	0.50	0.000291	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	30	2.20	0.001279	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	40	2.60	0.001512	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	50	2.80	0.001628	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-1.40	-0.000802	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-4.00	-0.002292	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-0.20	-0.000115	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-2.40	-0.001375	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-2.20	-0.001261	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-2.90	-0.001662	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-1.60	-0.000917	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-2.10	-0.001203	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-1.20	-0.000688	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	2.10	0.001186	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	2.90	0.001638	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	2.70	0.001525	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	0	1.20	0.000678	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	10	3.40	0.001921	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	20	1.90	0.001073	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	30	3.20	0.001808	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	40	-0.30	-0.000169	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	50	0.80	0.000452	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	2.20	0.001279	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	1.50	0.000872	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	-10	2.80	0.001628	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	0	3.40	0.001977	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	10	0.20	0.000116	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	20	2.80	0.001628	±2.5	PASS	

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Band66	20MHz	16QAM	132072	100RB#0	NV	30	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	40	1.10	0.000640	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	50	2.90	0.001686	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	1.20	0.000688	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-0.10	-0.000057	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-10	-1.40	-0.000802	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-2.10	-0.001203	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	0.50	0.000287	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-3.30	-0.001891	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	30	-3.50	-0.002006	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	40	-2.00	-0.001146	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	50	-3.20	-0.001834	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	1.70	0.000960	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-10	0.60	0.000339	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-0.50	-0.000282	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	-1.10	-0.000621	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	1.40	0.000791	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	30	-0.30	-0.000169	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	40	-0.90	-0.000508	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	50	2.70	0.001525	±2.5	PASS

The End

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