

Appendix B

E-UTRA Band 66



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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	22.15	22.75	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.14	22.74	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.09	22.69	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.17	22.77	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.22	22.82	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.19	22.79	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.16	21.76	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.34	22.94	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.35	22.95	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.43	23.03	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.39	22.99	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.37	22.97	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.38	22.98	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.30	21.90	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.12	22.72	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.35	22.95	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.26	22.86	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.22	22.82	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.23	22.83	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.38	22.98	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.35	21.95	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	20.97	21.57	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.01	21.61	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.02	21.62	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	20.96	21.56	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.31	21.91	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.20	21.80	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.11	20.71	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.25	21.85	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.25	21.85	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.15	21.75	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.12	21.72	30	PASS

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Band66	1.4MHz	16QAM	132322	3RB#1	21.09	21.69	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.11	21.71	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.04	20.64	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.31	21.91	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.18	21.78	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.17	21.77	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.38	21.98	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.36	21.96	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.18	21.78	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.34	20.94	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.19	22.79	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.24	22.84	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.08	22.68	30	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.35	21.95	30	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.18	21.78	30	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.32	21.92	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.23	21.83	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.43	23.03	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.48	23.08	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.34	22.94	30	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.36	21.96	30	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.48	22.08	30	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.39	21.99	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.34	21.94	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.17	22.77	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.19	22.79	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.32	22.92	30	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.46	22.06	30	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.19	21.79	30	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.24	21.84	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.40	22.00	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	20.97	21.57	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.06	21.66	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	20.86	21.46	30	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.15	20.75	30	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.06	20.66	30	PASS
Band66	3MHz	16QAM	131987	8RB#7	19.92	20.52	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.06	20.66	30	PASS

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Band66	3MHz	16QAM	132322	1RB#0	21.33	21.93	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.35	21.95	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.32	21.92	30	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.15	20.75	30	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.24	20.84	30	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.15	20.75	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.03	20.63	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.67	22.27	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.32	21.92	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.10	21.70	30	PASS
Band66	3MHz	16QAM	132657	8RB#0	20.38	20.98	30	PASS
Band66	3MHz	16QAM	132657	8RB#4	20.26	20.86	30	PASS
Band66	3MHz	16QAM	132657	8RB#7	20.32	20.92	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.39	20.99	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.08	22.68	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.04	22.64	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.00	22.60	30	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.29	21.89	30	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.19	21.79	30	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.17	21.77	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.23	22.83	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.40	23.00	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.37	22.97	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.19	22.79	30	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.52	22.12	30	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.37	21.97	30	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.35	21.95	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.41	22.01	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.35	22.95	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.11	22.71	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.37	22.97	30	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.50	22.10	30	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.23	21.83	30	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.10	21.70	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.17	21.67	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.19	21.79	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.08	21.68	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	20.76	21.36	30	PASS

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Band66	5MHz	16QAM	131997	12RB#0	20.15	20.75	30	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.07	20.67	30	PASS
Band66	5MHz	16QAM	131997	12RB#13	19.85	20.45	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.20	20.80	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.17	21.77	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.24	21.84	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.25	21.85	30	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.24	20.84	30	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.12	20.72	30	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.19	20.79	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.24	20.84	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.44	22.04	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.04	21.64	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	20.96	21.56	30	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.59	21.19	30	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.35	20.95	30	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.14	20.74	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.43	21.03	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	21.93	22.53	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.19	22.79	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	21.76	22.36	30	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.43	22.03	30	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.18	21.78	30	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.31	21.91	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.05	21.65	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.37	22.97	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.80	23.40	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	21.99	22.59	30	PASS
Band66	10MHz	QPSK	132322	25RB#0	21.72	22.32	30	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.48	22.08	30	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.46	22.06	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.16	21.76	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.24	22.84	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.57	23.17	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.01	22.61	30	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.67	22.27	30	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.38	21.98	30	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.09	21.69	30	PASS

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Band66	10MHz	QPSK	132622	50RB#0	21.23	21.83	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	20.91	21.51	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	20.24	20.84	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.05	21.65	30	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.25	20.85	30	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.01	20.61	30	PASS
Band66	10MHz	16QAM	132022	25RB#25	19.91	20.51	30	PASS
Band66	10MHz	16QAM	132022	27RB#0	20.25	20.85	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.14	21.74	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.48	22.08	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	20.80	21.40	30	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.44	21.04	30	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.34	20.94	30	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.11	20.71	30	PASS
Band66	10MHz	16QAM	132322	27RB#0	20.27	20.87	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.10	21.70	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.58	22.18	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	20.54	21.14	30	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.59	21.19	30	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.43	21.03	30	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.10	20.70	30	PASS
Band66	10MHz	16QAM	132622	27RB#0	20.40	21.00	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.17	22.77	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.28	22.88	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.22	22.82	30	PASS
Band66	15MHz	QPSK	132047	38RB#0	22.33	22.93	30	PASS
Band66	15MHz	QPSK	132047	38RB#18	22.41	23.01	30	PASS
Band66	15MHz	QPSK	132047	38RB#37	22.35	22.95	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.07	21.67	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.80	23.40	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.96	23.56	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.09	22.69	30	PASS
Band66	15MHz	QPSK	132322	38RB#0	22.81	23.41	30	PASS
Band66	15MHz	QPSK	132322	38RB#18	22.92	23.52	30	PASS
Band66	15MHz	QPSK	132322	38RB#37	22.47	23.07	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.25	21.85	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.64	23.24	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.99	23.59	30	PASS

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Band66	15MHz	QPSK	132597	1RB#74	22.20	22.80	30	PASS
Band66	15MHz	QPSK	132597	38RB#0	22.67	23.27	30	PASS
Band66	15MHz	QPSK	132597	38RB#18	22.72	23.32	30	PASS
Band66	15MHz	QPSK	132597	38RB#37	22.67	23.27	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.22	21.82	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.07	21.67	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	20.67	21.27	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	20.77	21.37	30	PASS
Band66	15MHz	16QAM	132047	27RB#0	20.14	20.74	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.57	22.17	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.32	21.92	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	20.63	21.23	30	PASS
Band66	15MHz	16QAM	132322	27RB#0	20.47	21.07	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.27	21.87	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.75	22.35	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	20.91	21.51	30	PASS
Band66	15MHz	16QAM	132597	27RB#0	20.41	21.01	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.15	22.75	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.56	23.16	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.36	22.96	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.48	22.08	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.55	22.15	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.33	21.93	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.19	21.79	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.83	23.43	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.94	23.54	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.59	23.19	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.10	22.70	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.57	22.17	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.51	22.11	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.26	21.86	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.54	23.14	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.99	23.59	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	21.98	22.58	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.72	22.32	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.70	22.30	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.11	21.71	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.22	21.82	30	PASS

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Band66	20MHz	16QAM	132072	1RB#0	20.94	21.54	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.07	21.67	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	20.93	21.53	30	PASS
Band66	20MHz	16QAM	132072	27RB#0	20.07	20.67	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.18	21.78	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.35	21.95	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	20.48	21.08	30	PASS
Band66	20MHz	16QAM	132322	27RB#0	20.57	21.17	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.32	21.92	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.69	22.29	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	20.72	21.32	30	PASS
Band66	20MHz	16QAM	132572	27RB#0	20.28	20.88	30	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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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	4.55	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.61	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.55	13	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.42	13	PASS
Band66	20MHz	16QAM	132322	27RB#0	5.48	13	PASS
Band66	20MHz	16QAM	132572	27RB#0	5.36	13	PASS

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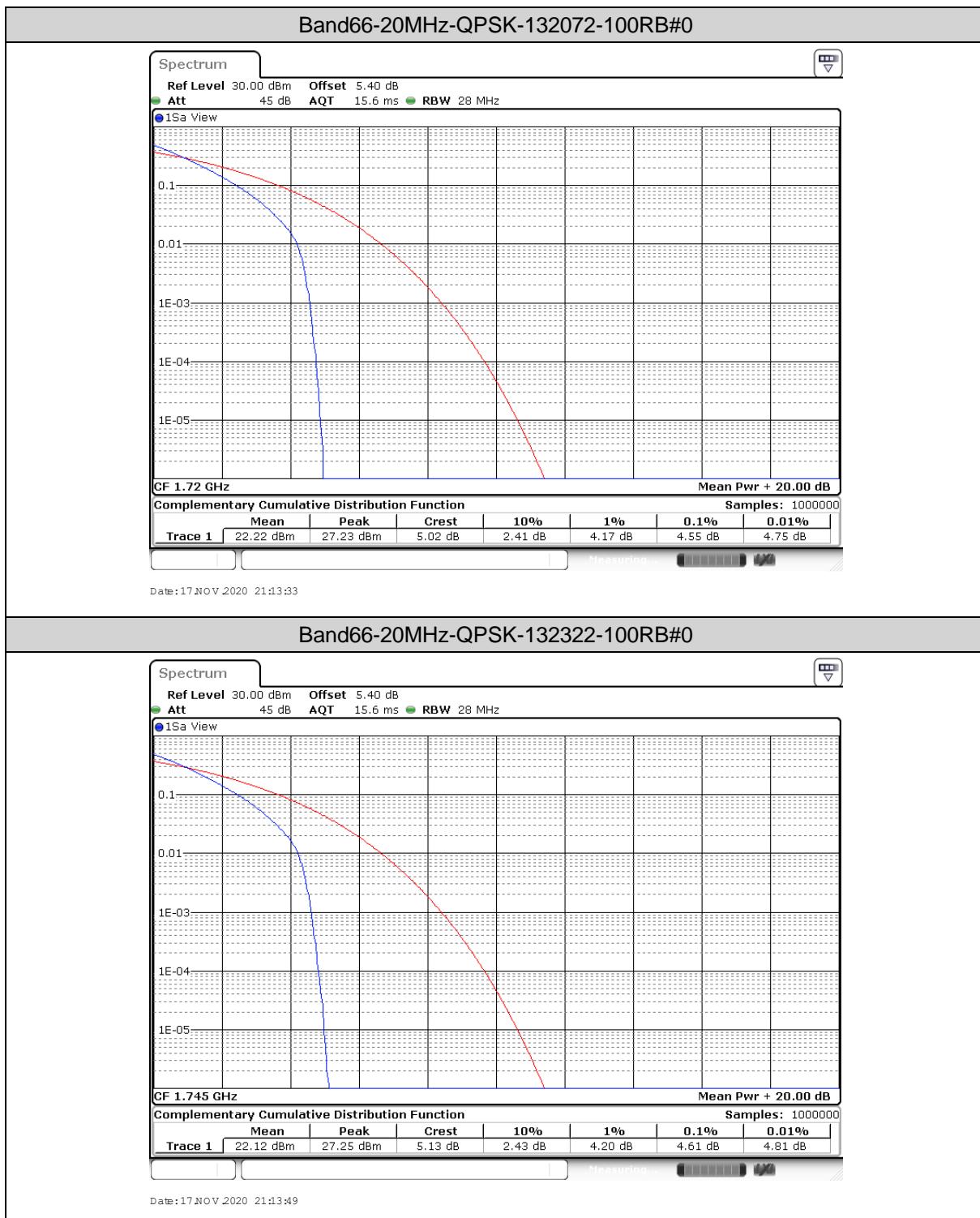
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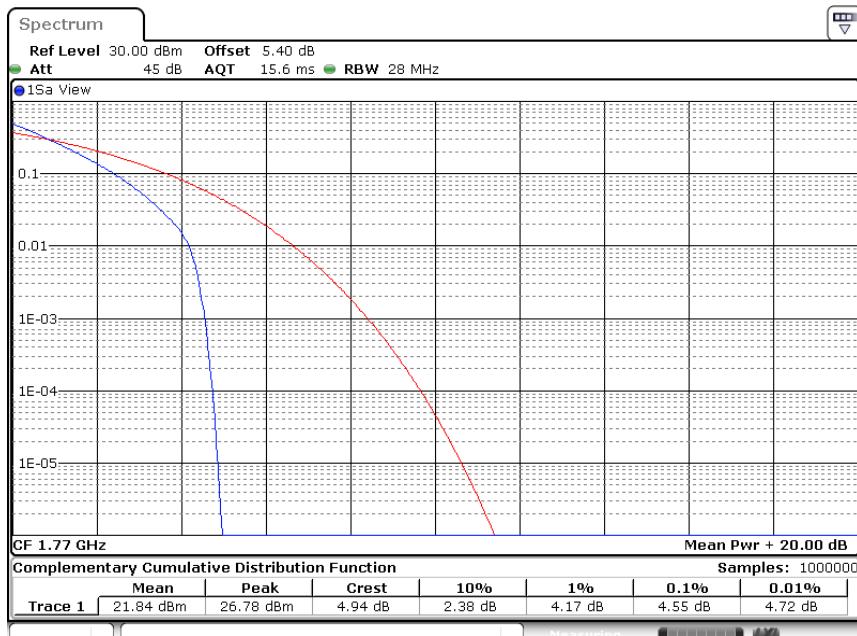
2.2 Test Plots



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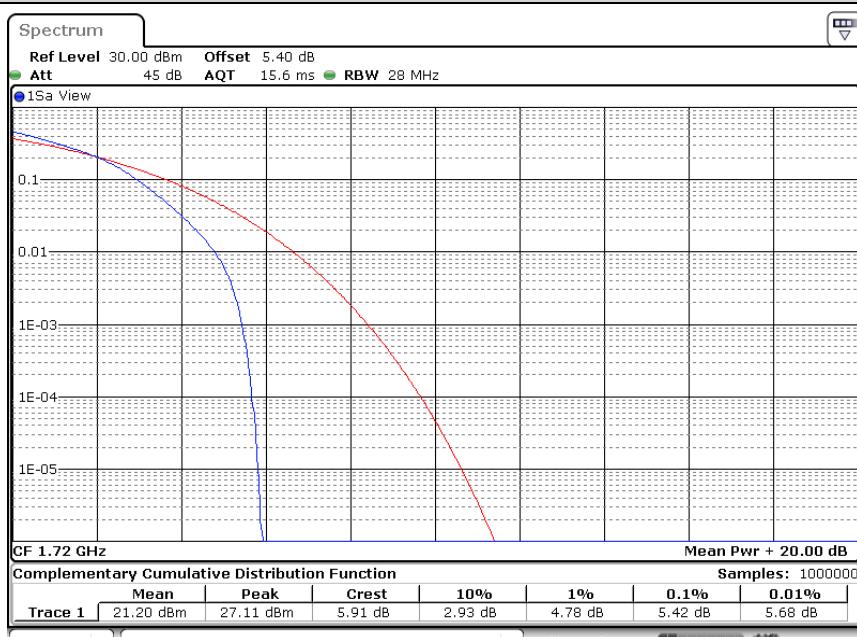
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Band66-20MHz-QPSK-132572-100RB#0



Date: 17 NOV 2020 21:14:06

Band66-20MHz-16QAM-132072-27RB#0



Date: 18 NOV 2020 12:29:51

Band66-20MHz-16QAM-132322-27RB#0

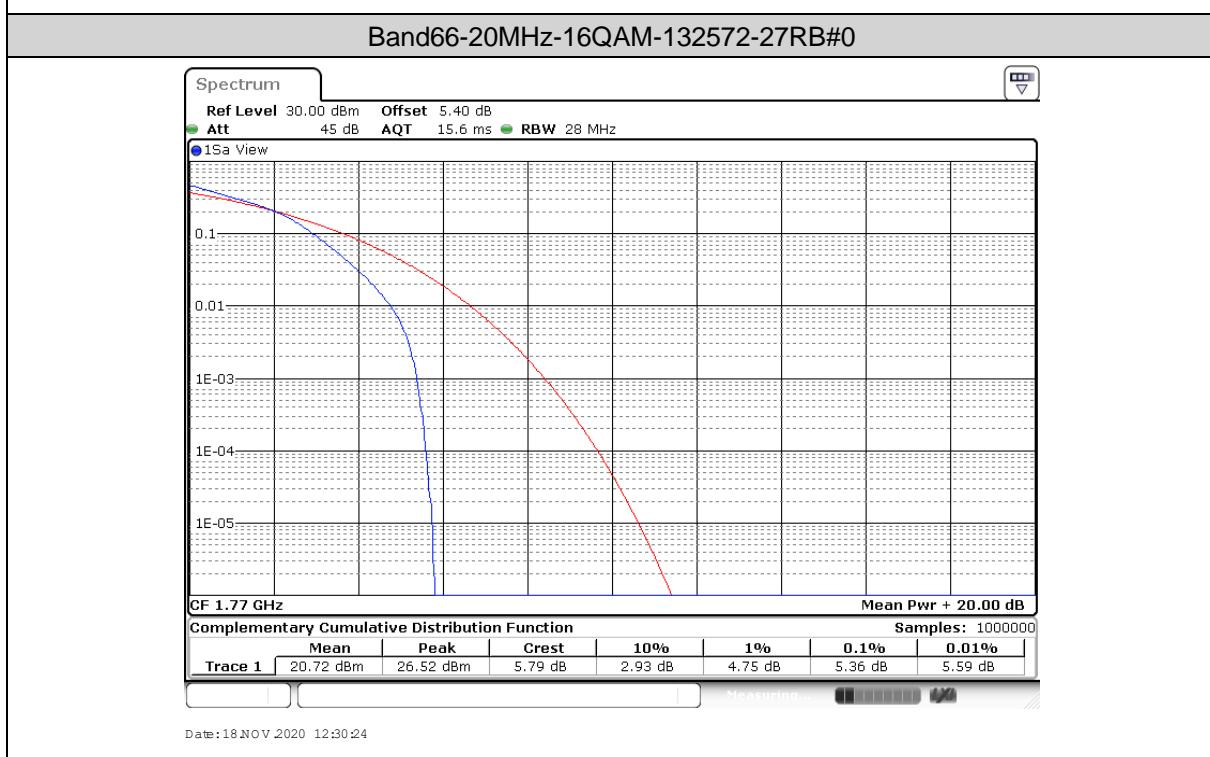
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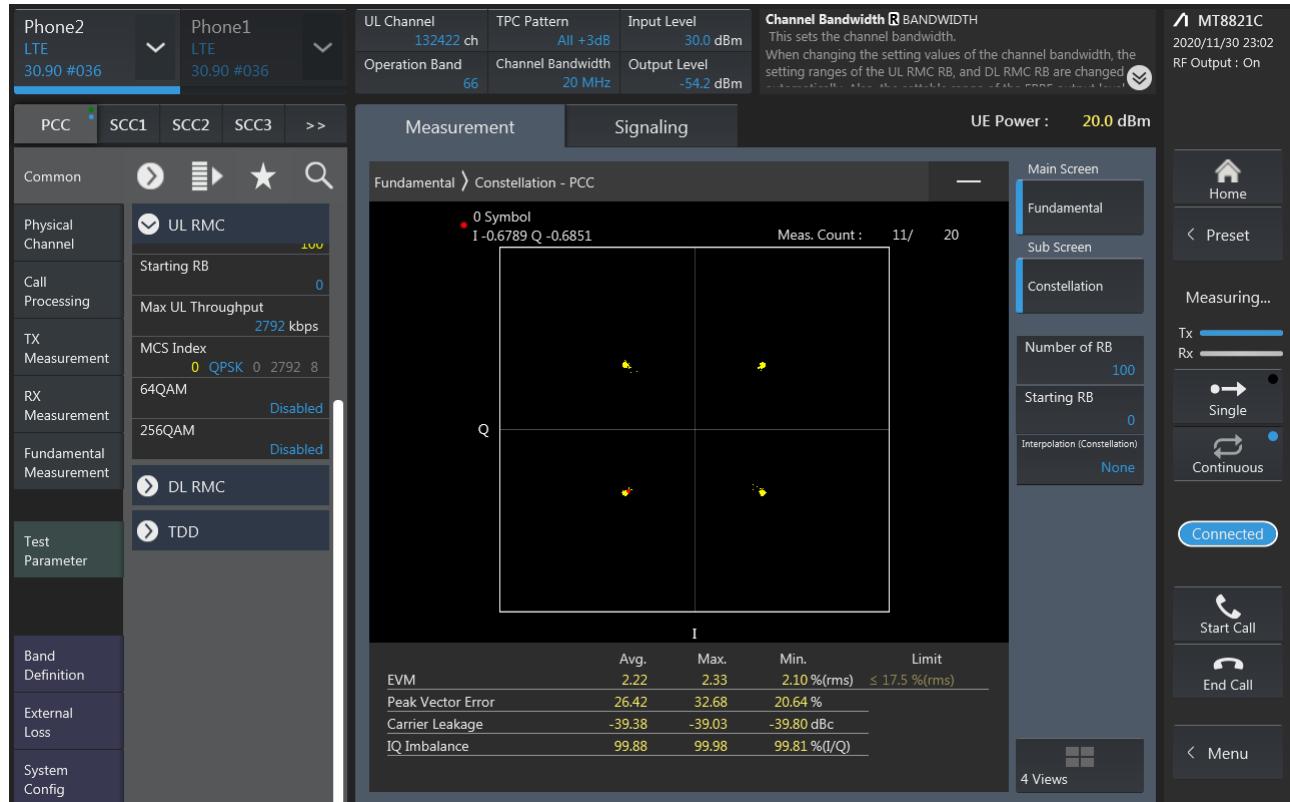
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3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



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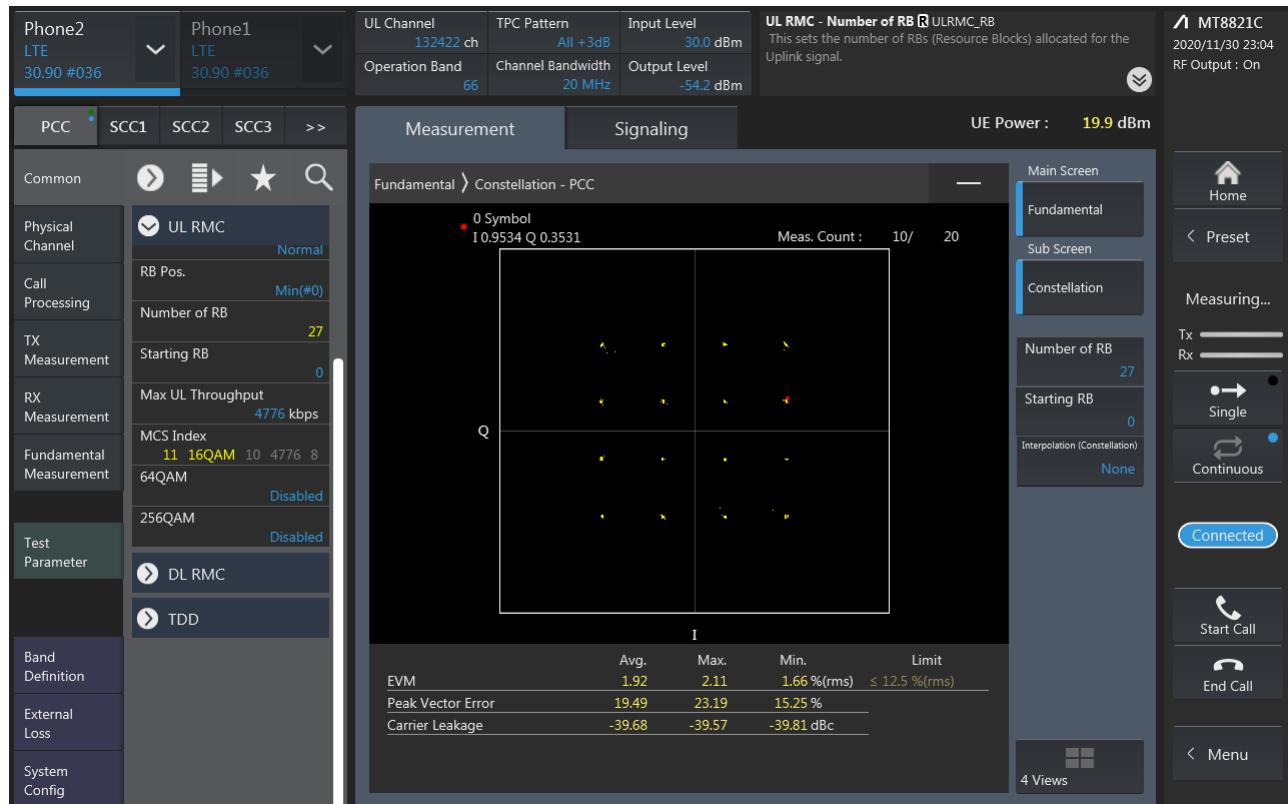


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3.2 Test Mode = LTE /TM2 20MHz

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	1.091	1.296	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.091	1.293	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.290	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.281	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.281	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.305	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	2.994	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.691	2.982	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.697	2.988	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.958	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.970	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	4.910	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	4.910	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	4.900	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.476	4.960	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.486	4.970	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	4.980	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.911	9.700	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.680	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.891	9.680	PASS
Band66	10MHz	16QAM	132022	27RB#0	4.875	5.720	PASS
Band66	10MHz	16QAM	132322	27RB#0	4.875	5.720	PASS
Band66	10MHz	16QAM	132622	27RB#0	4.875	5.740	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.427	14.820	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.730	PASS
Band66	15MHz	16QAM	132047	27RB#0	5.095	6.090	PASS
Band66	15MHz	16QAM	132322	27RB#0	5.065	6.120	PASS
Band66	15MHz	16QAM	132597	27RB#0	5.065	6.090	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.400	PASS

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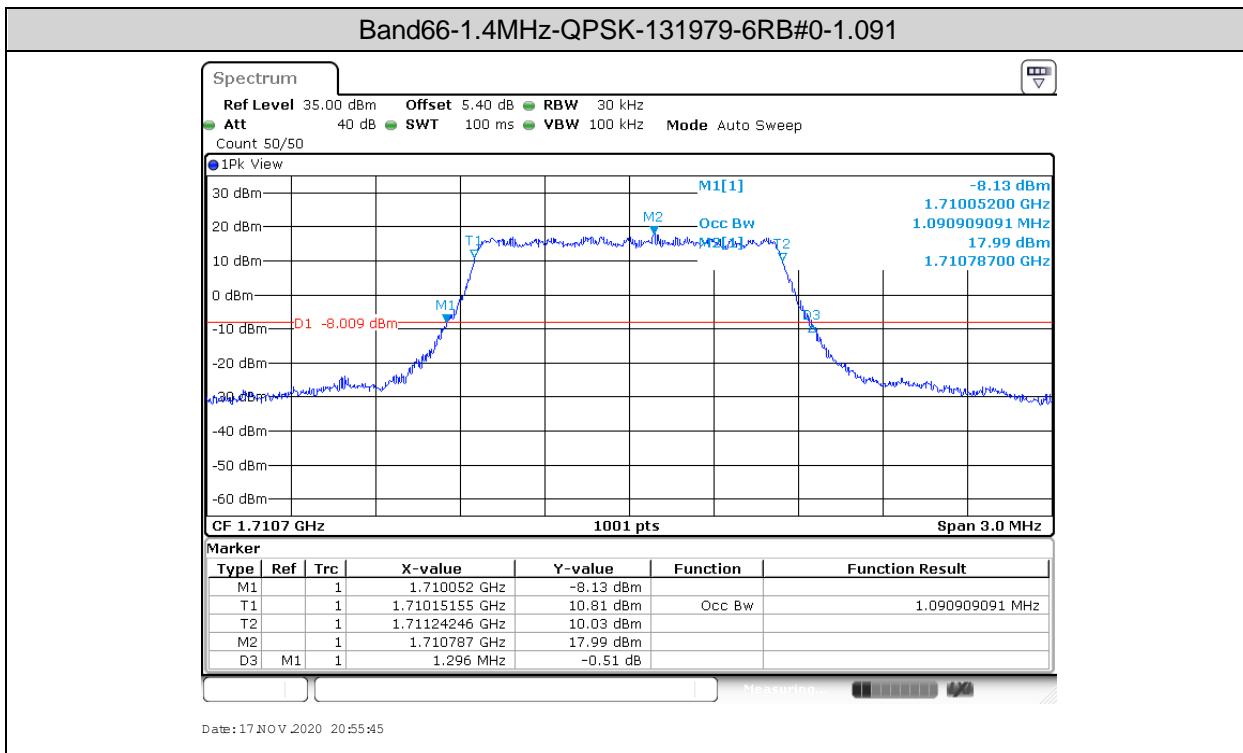


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Band66	20MHz	QPSK	132322	100RB#0	17.782	19.440	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.822	19.440	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.195	6.440	PASS
Band66	20MHz	16QAM	132322	27RB#0	5.155	6.360	PASS
Band66	20MHz	16QAM	132572	27RB#0	5.155	6.520	PASS

4.2 Test Plots

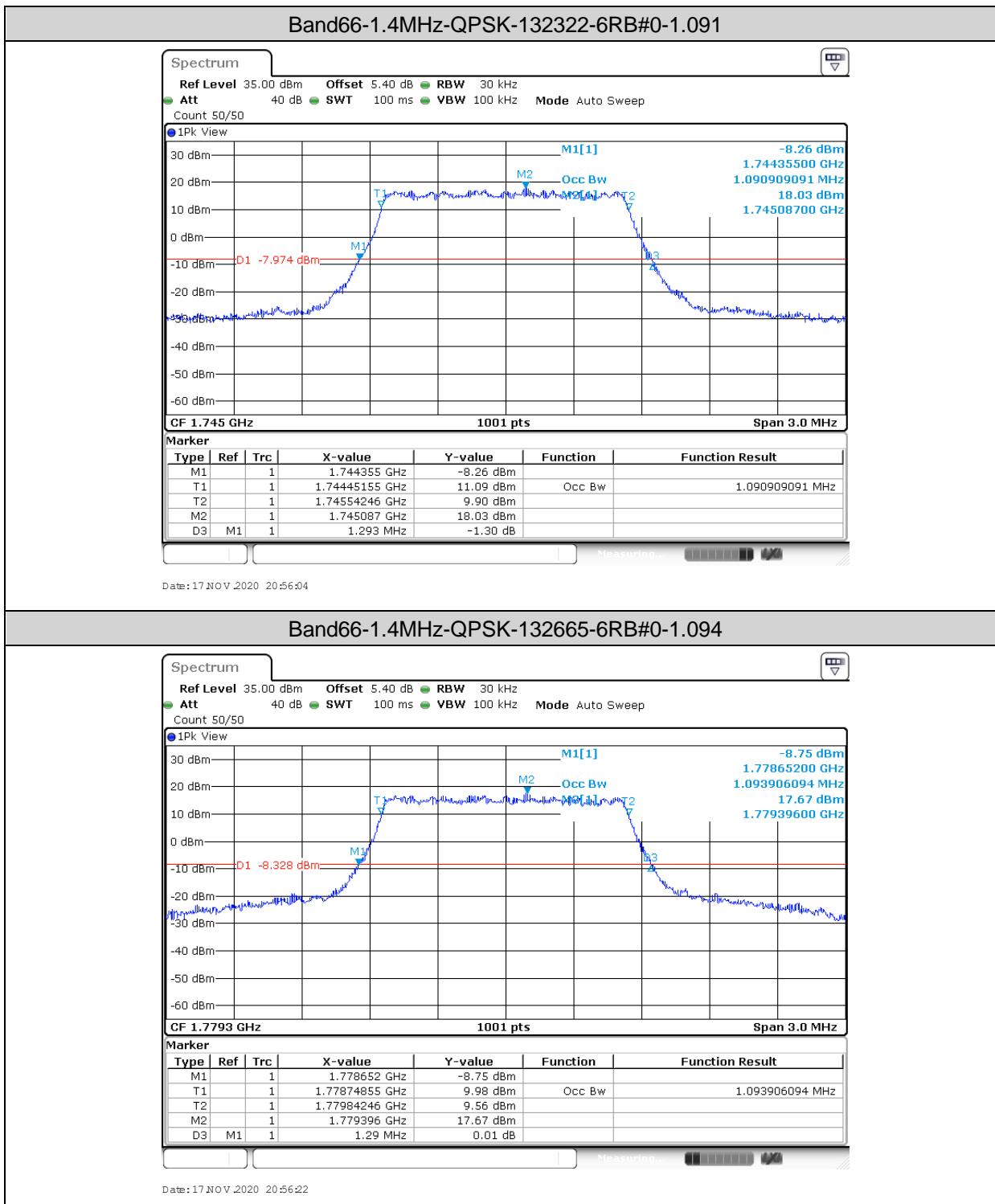


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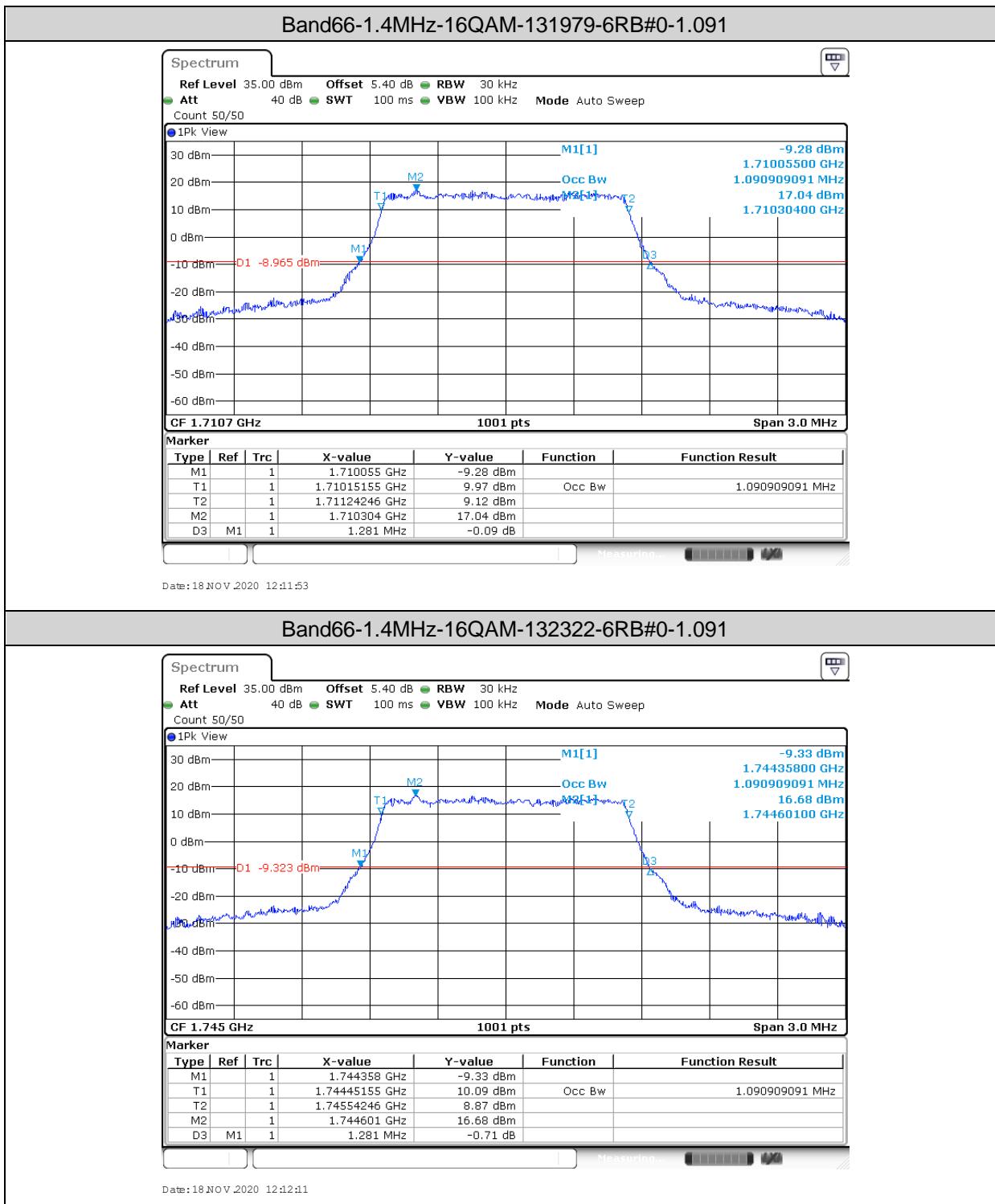


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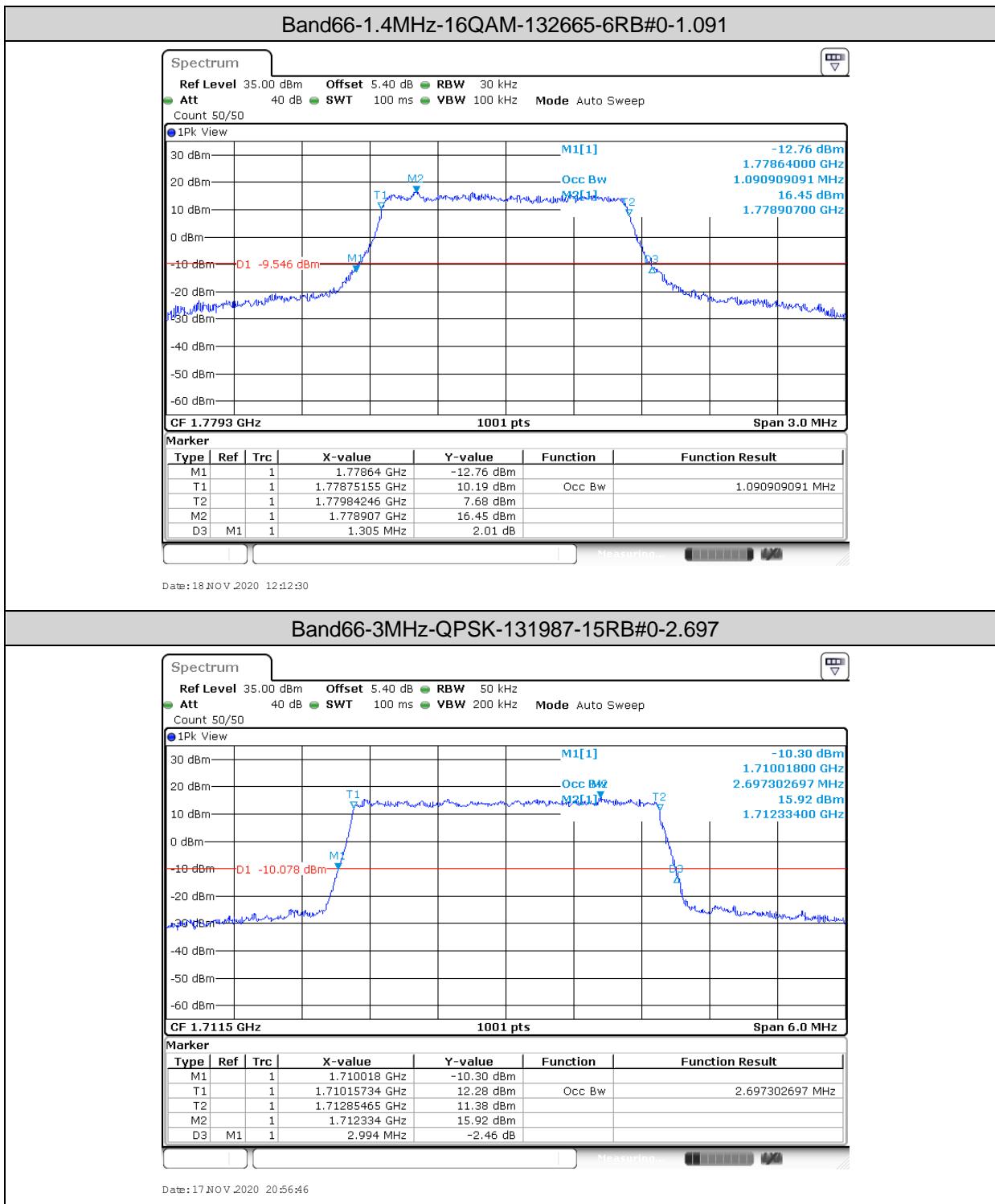


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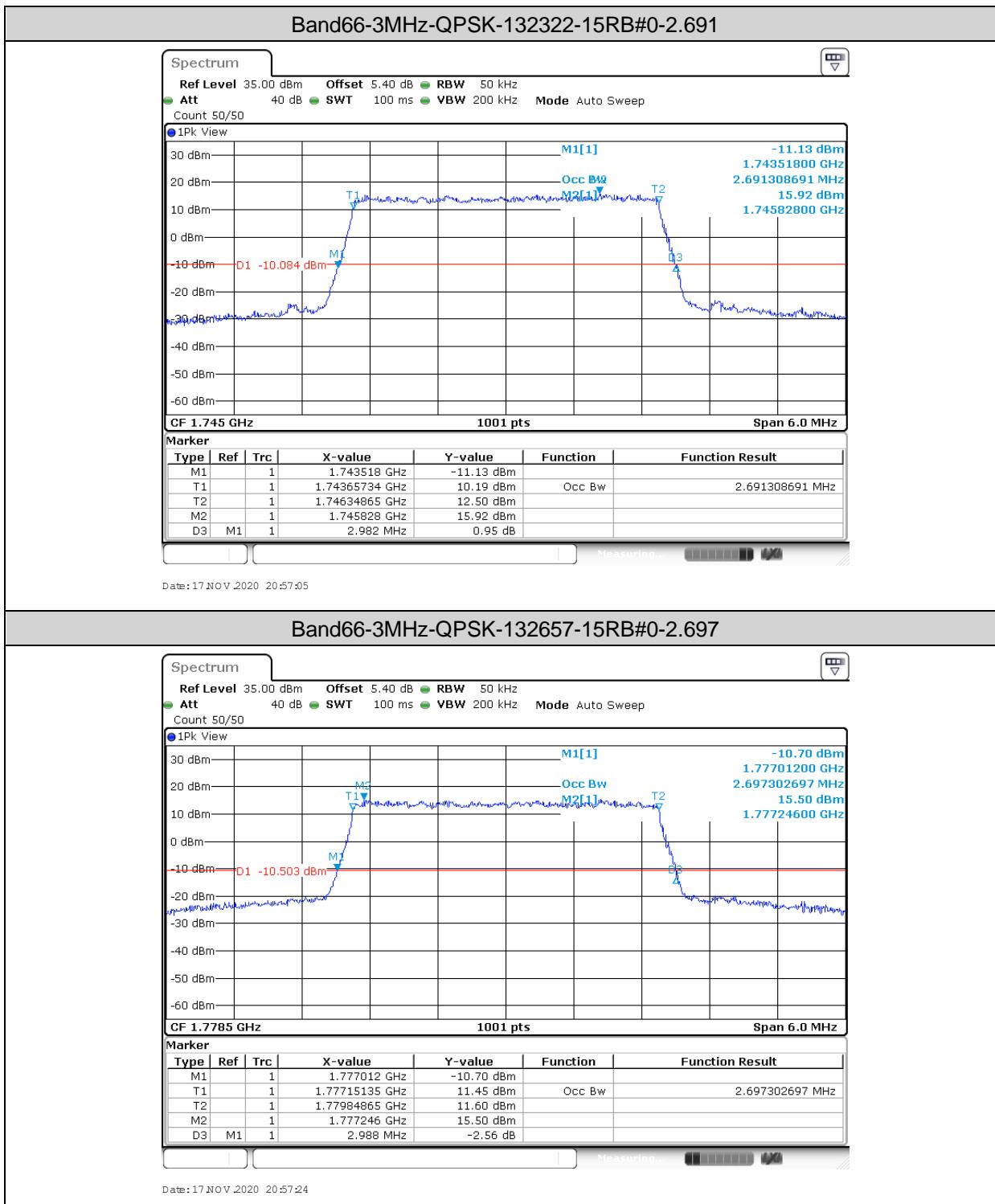
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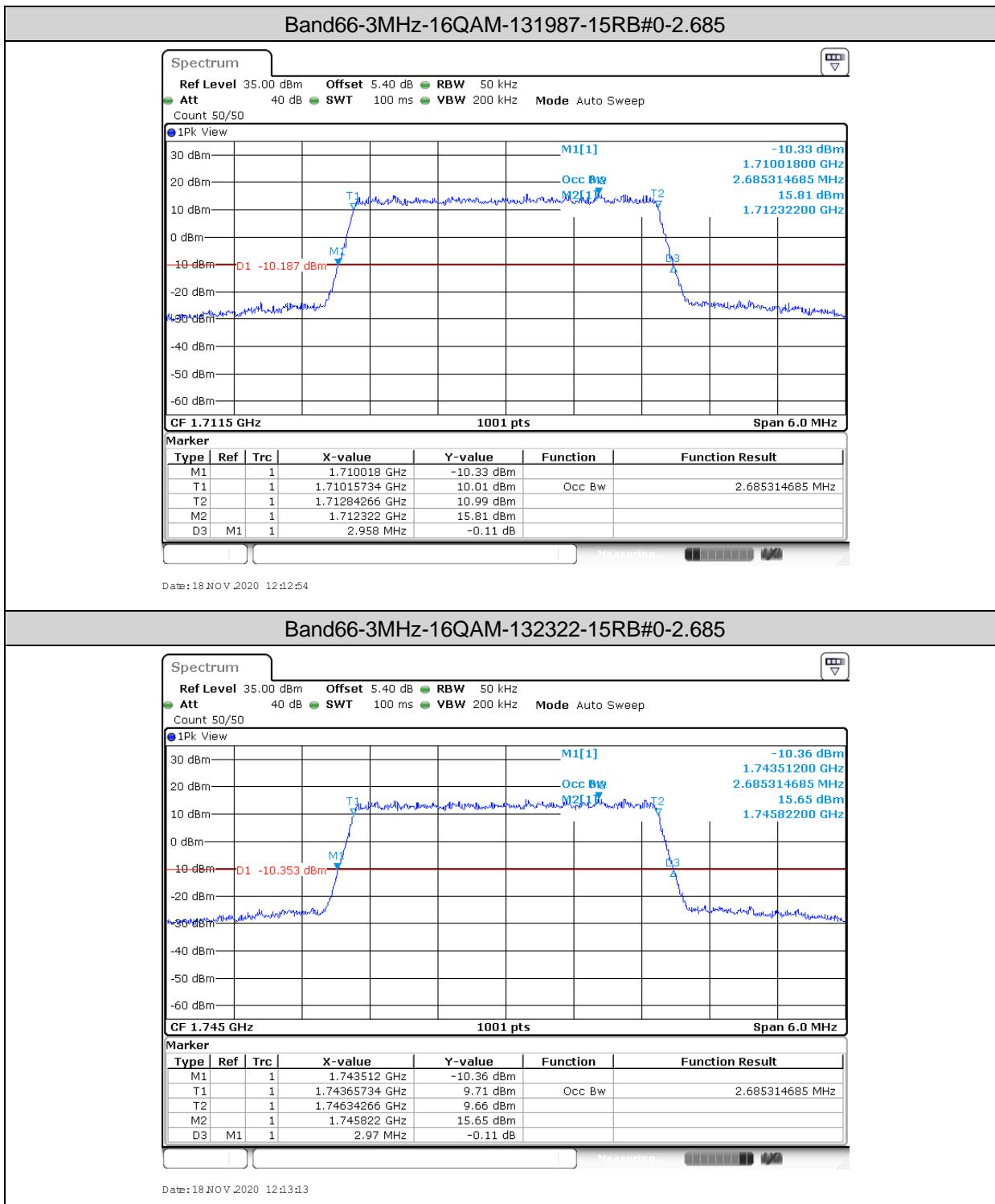
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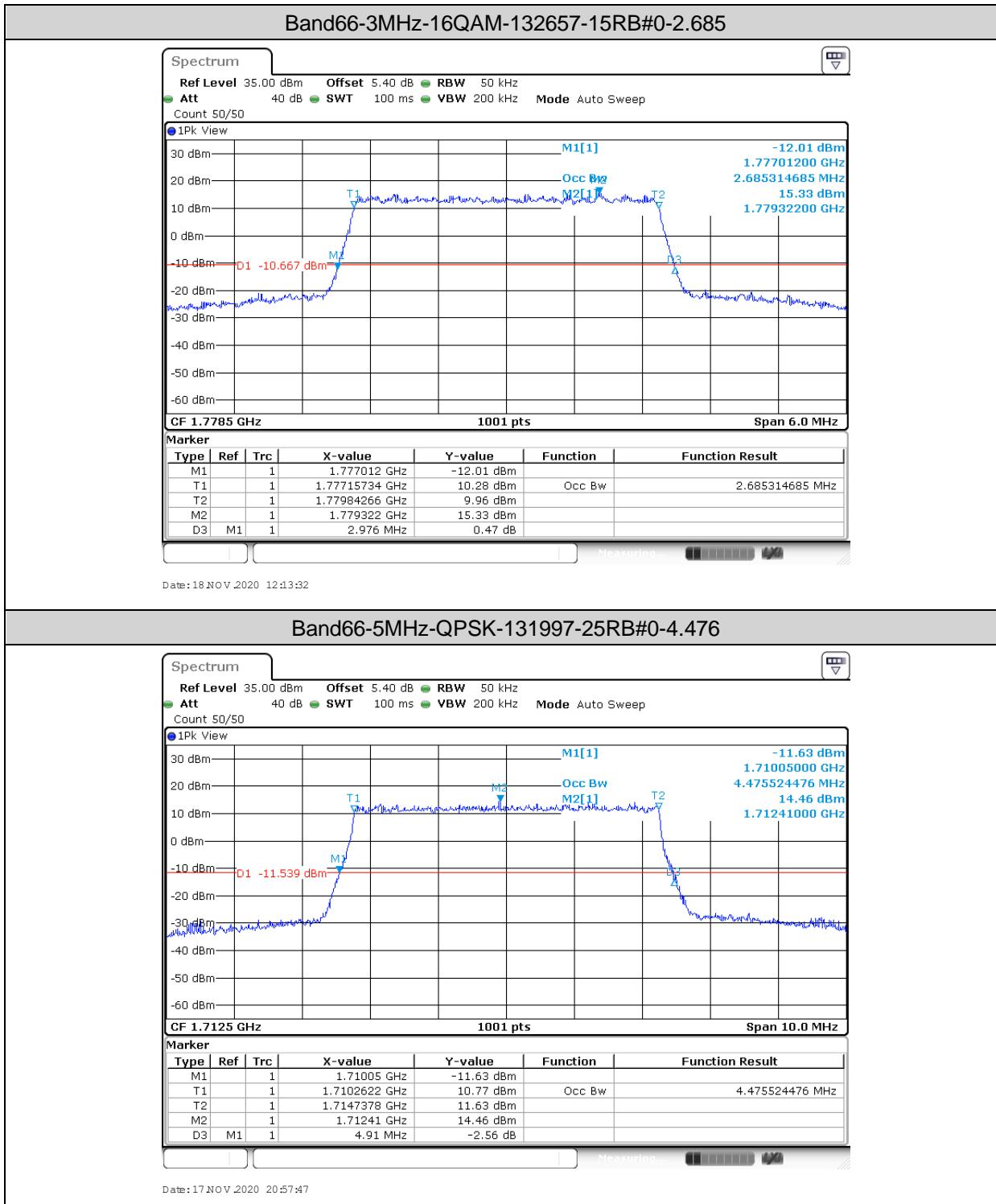
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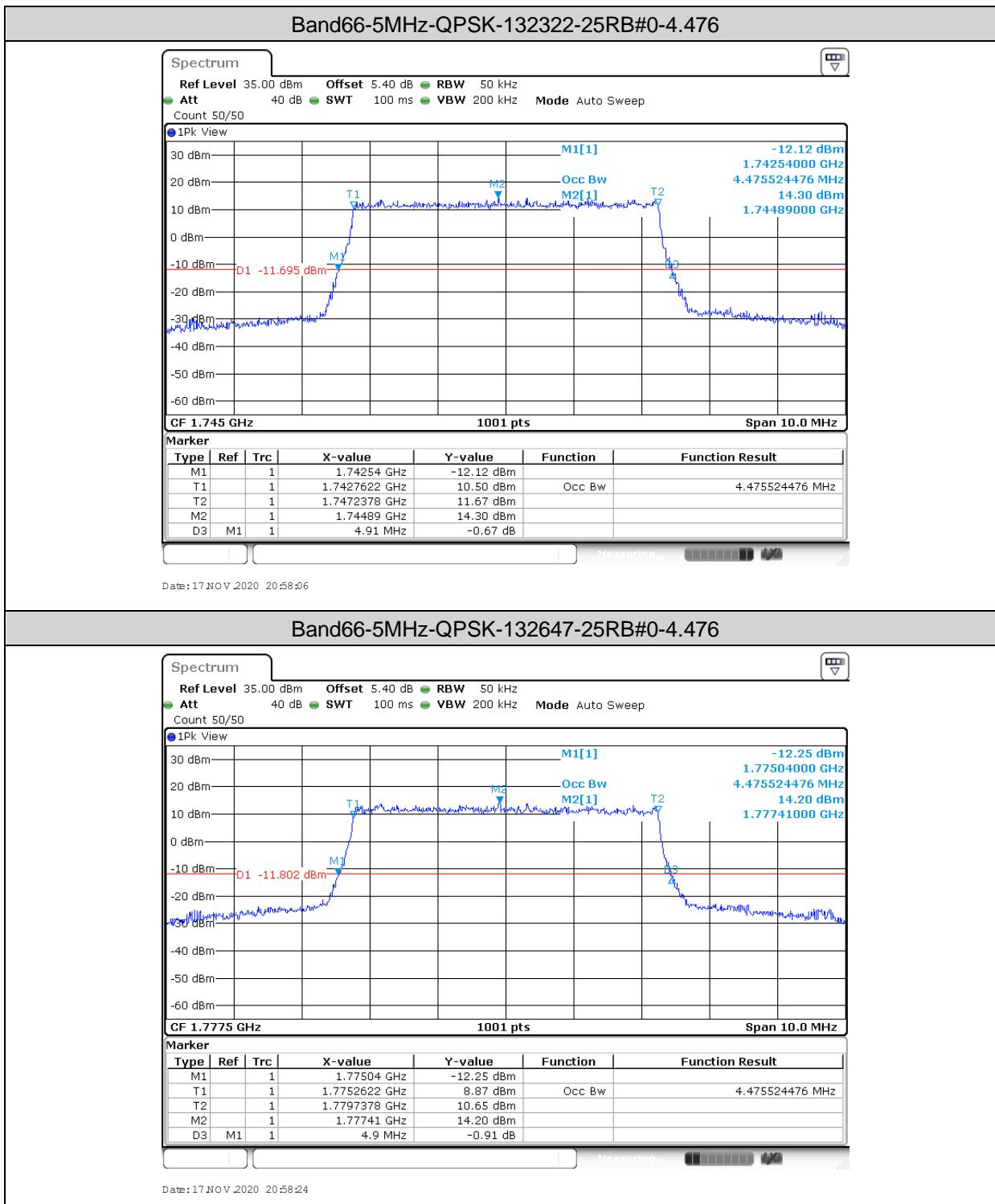


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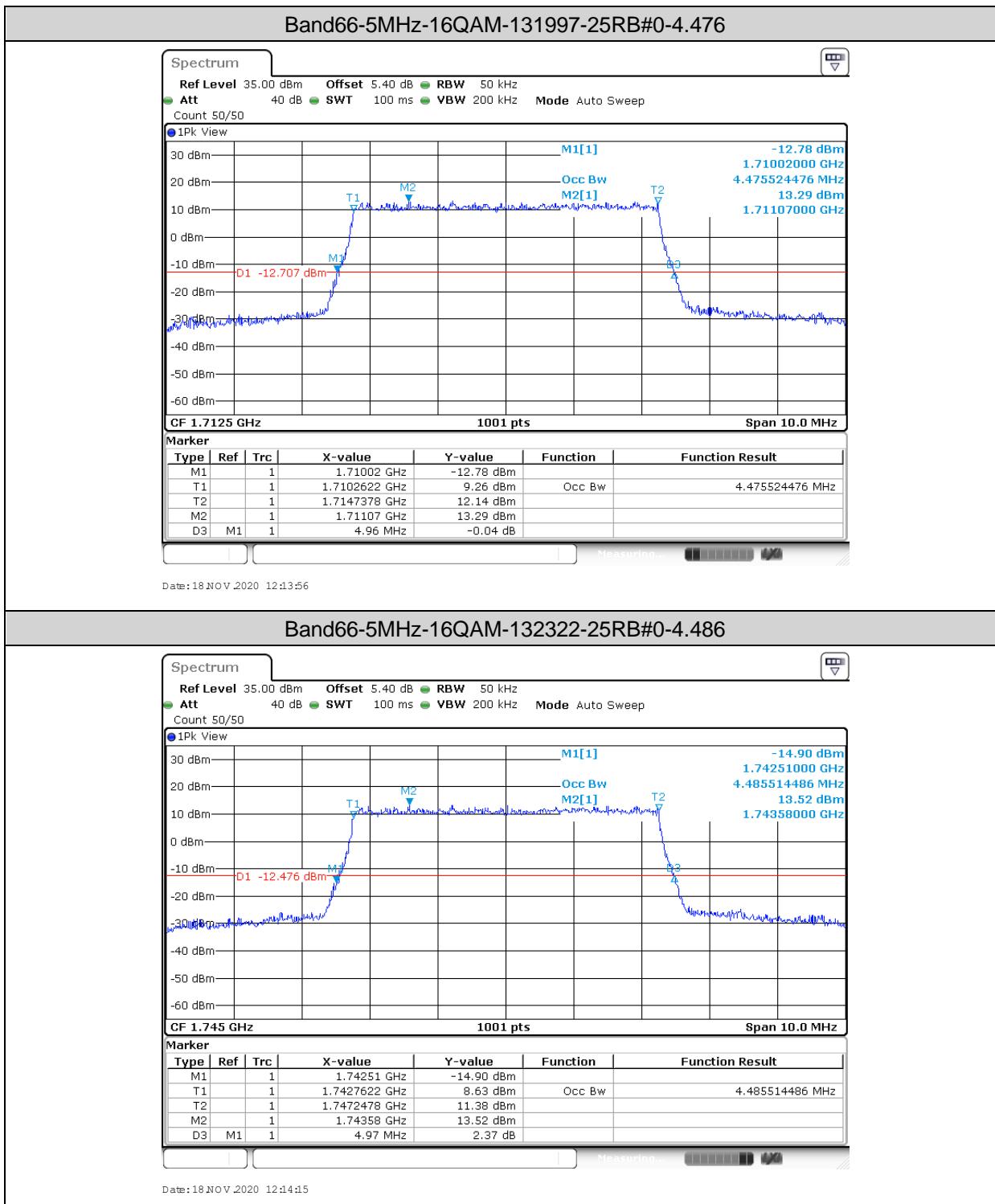


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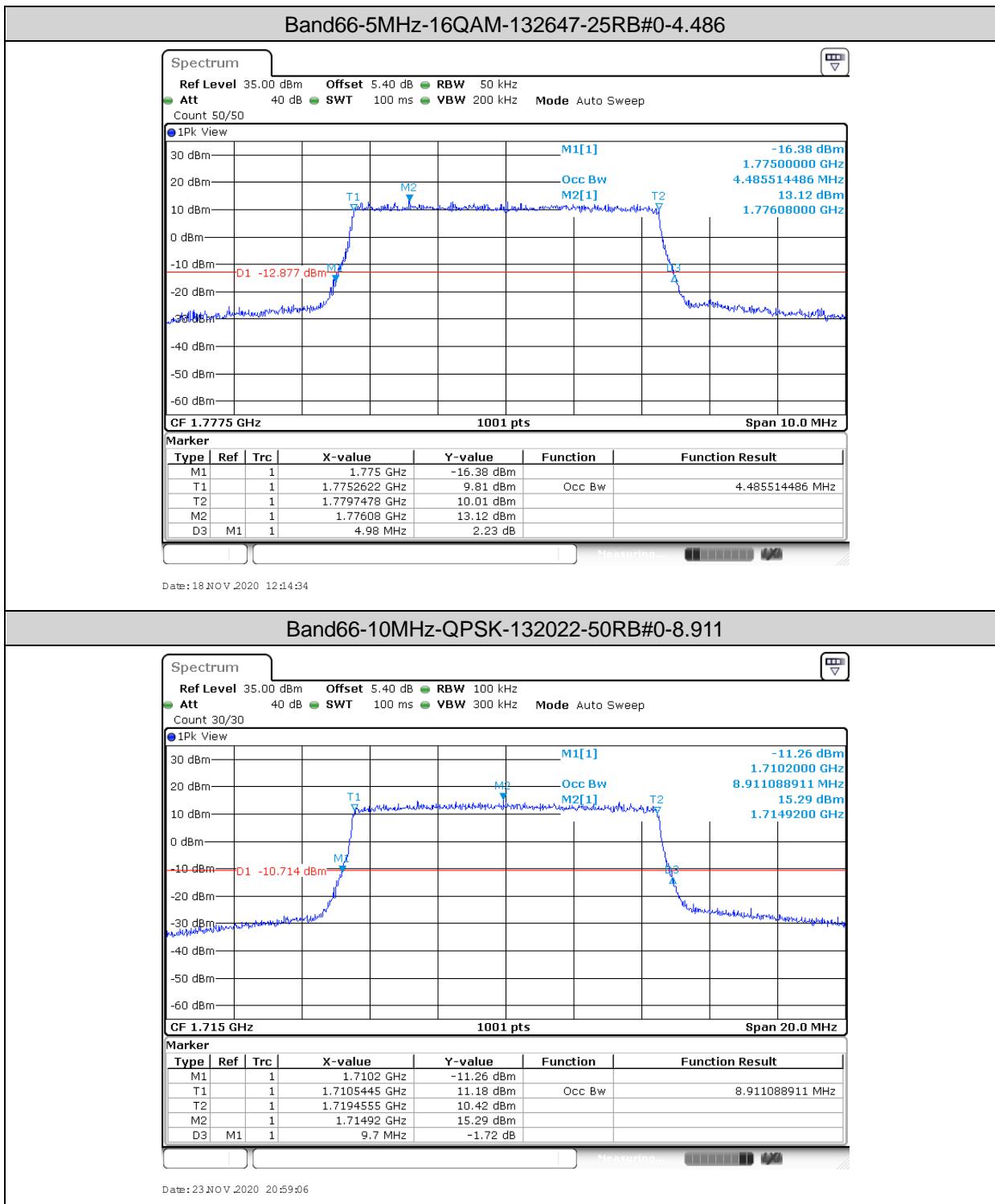


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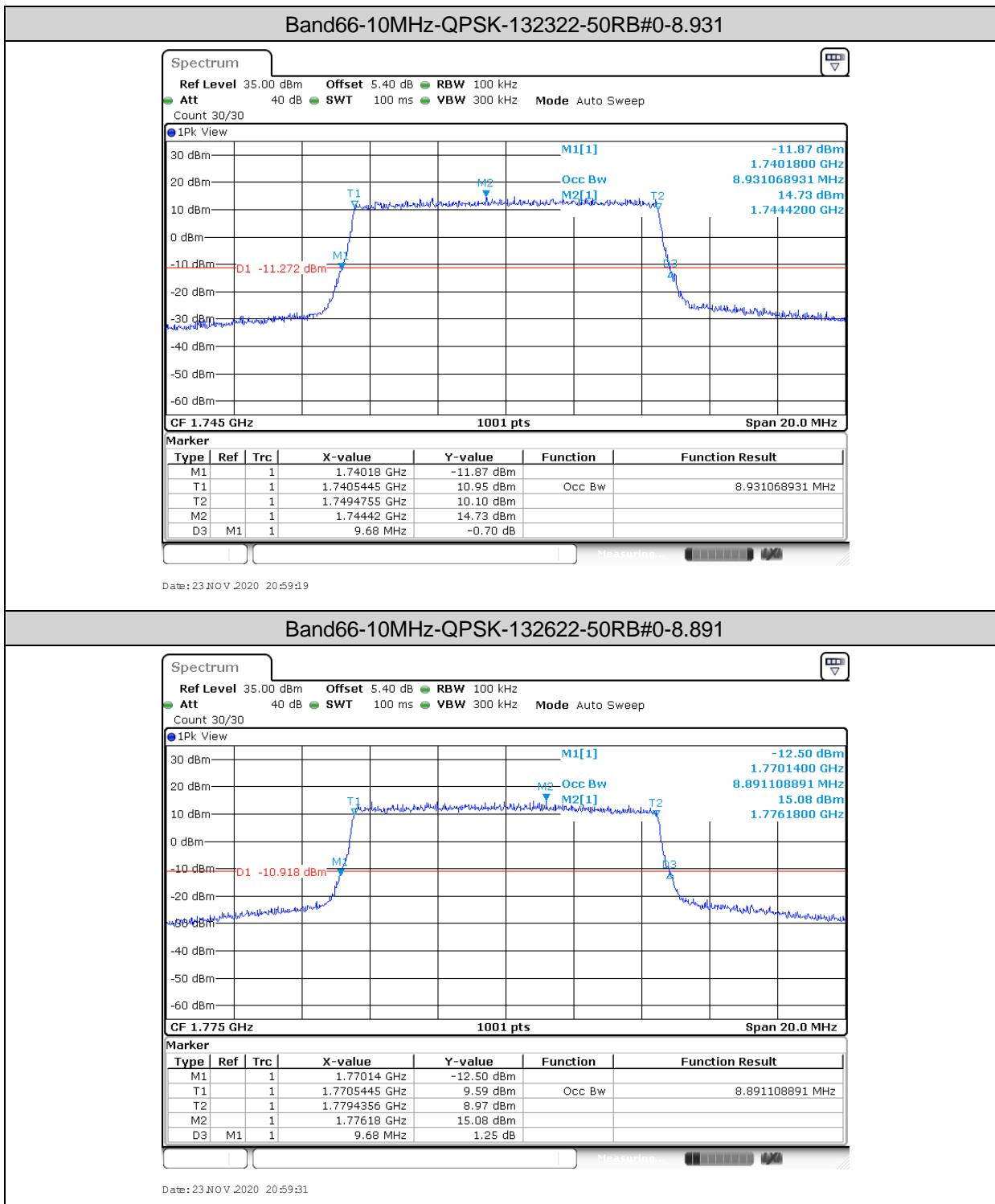
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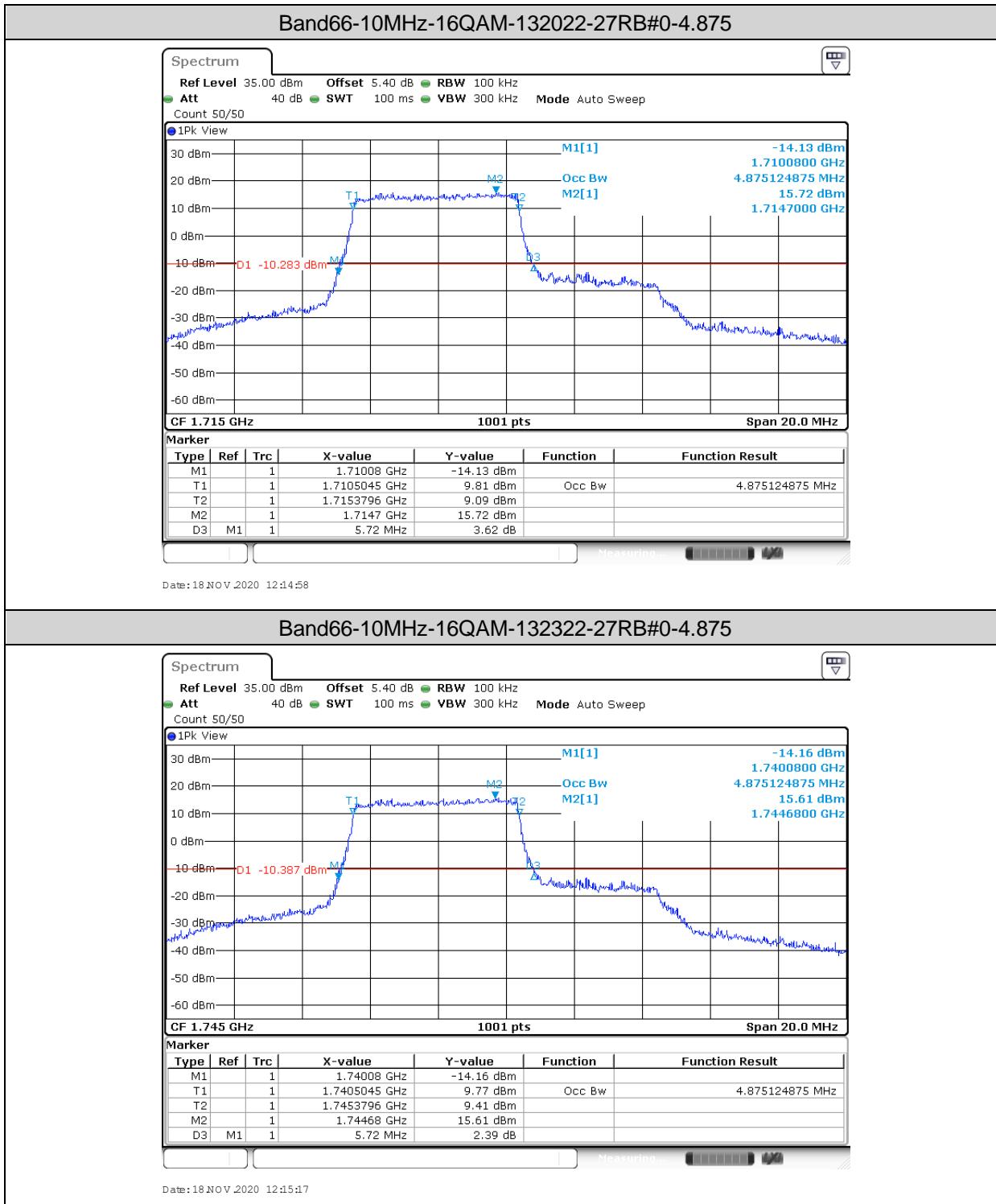


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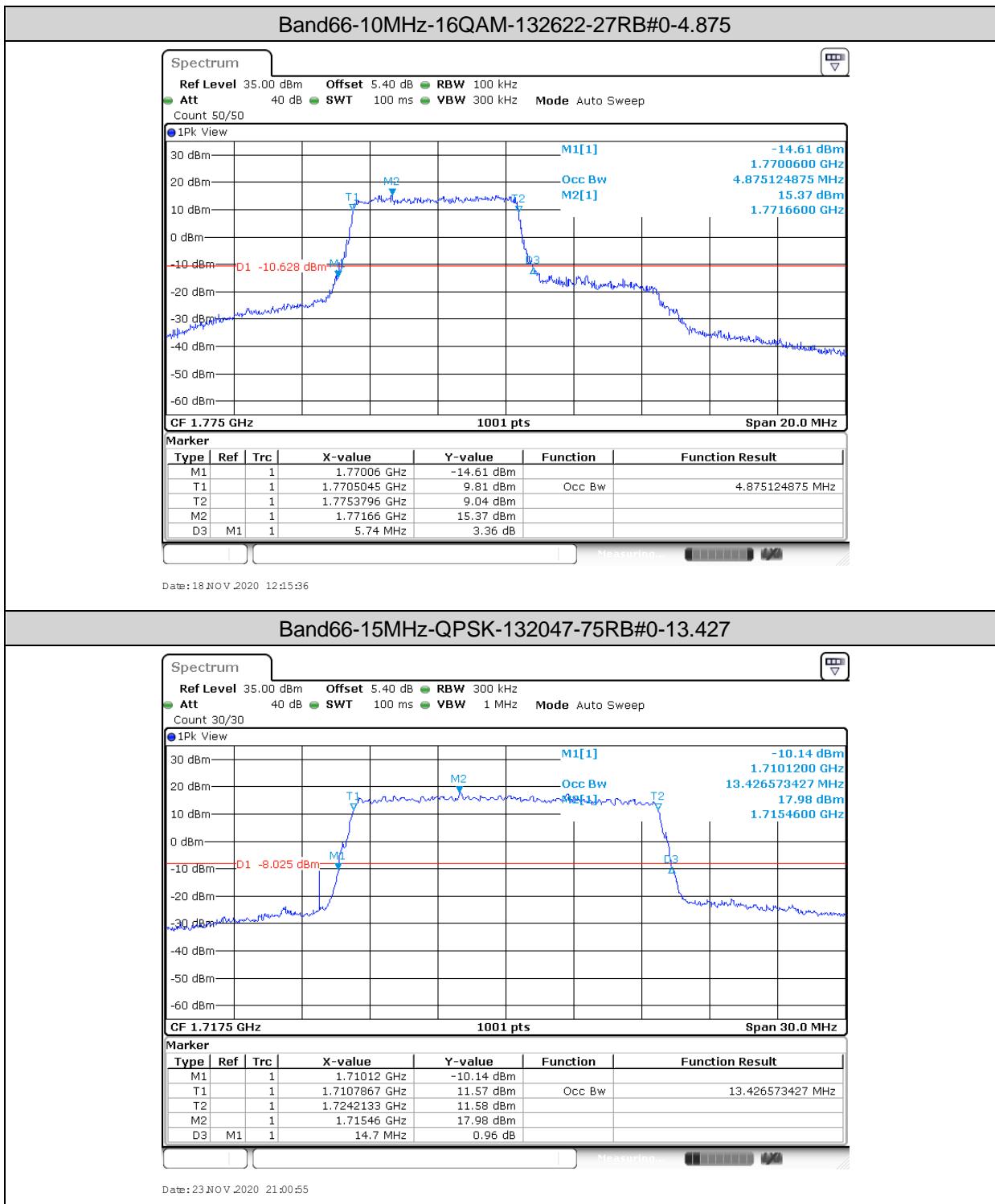
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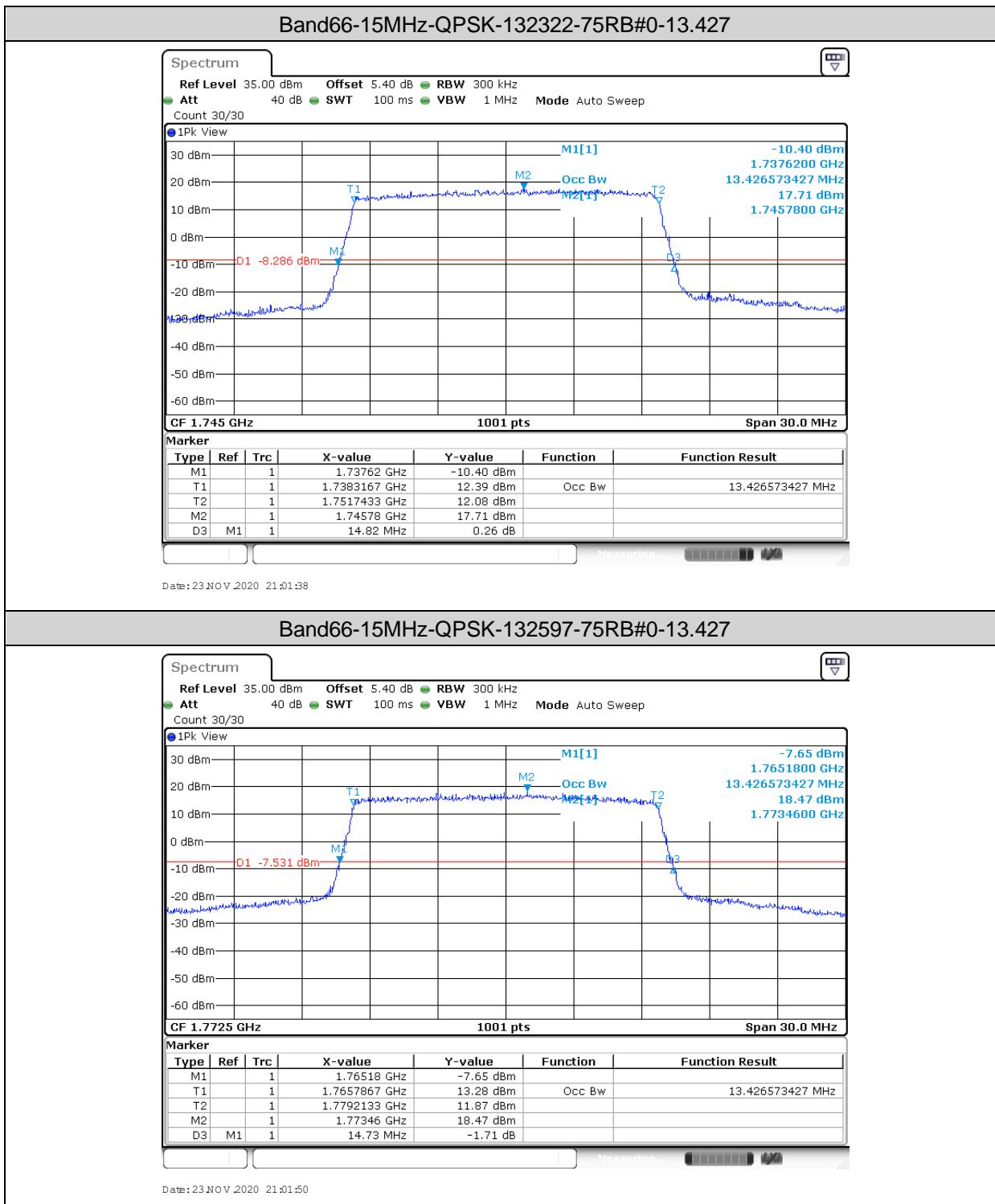


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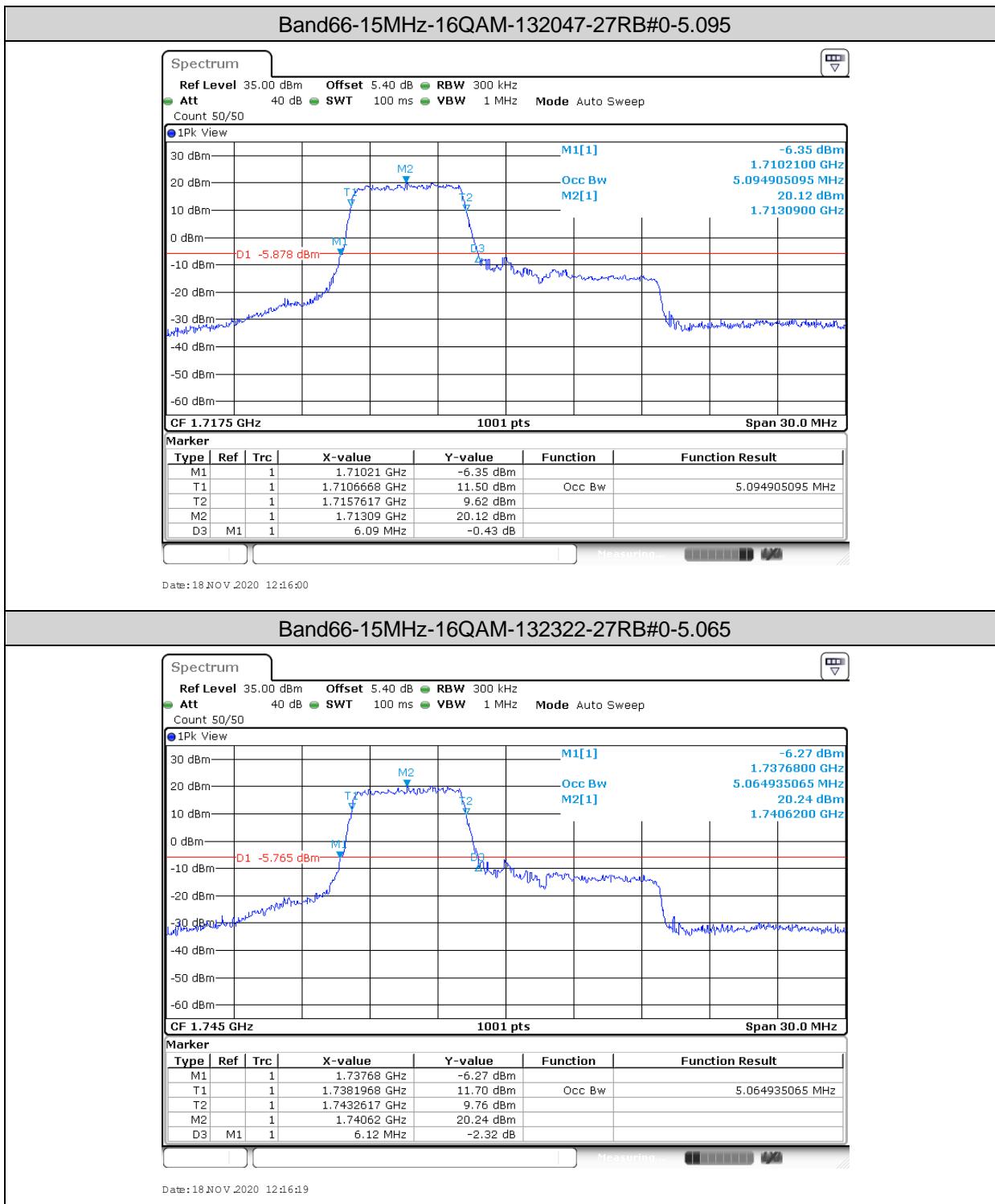
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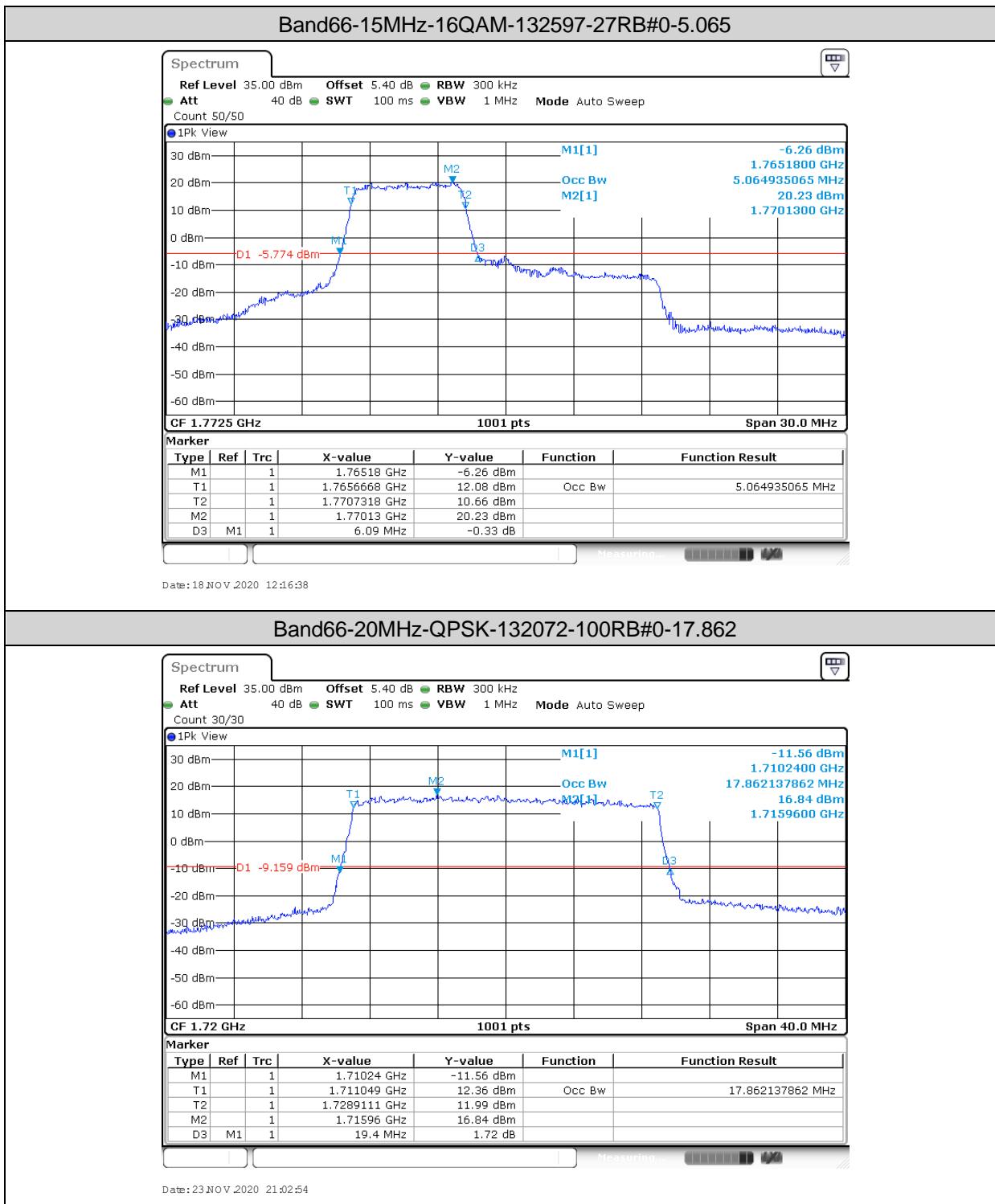


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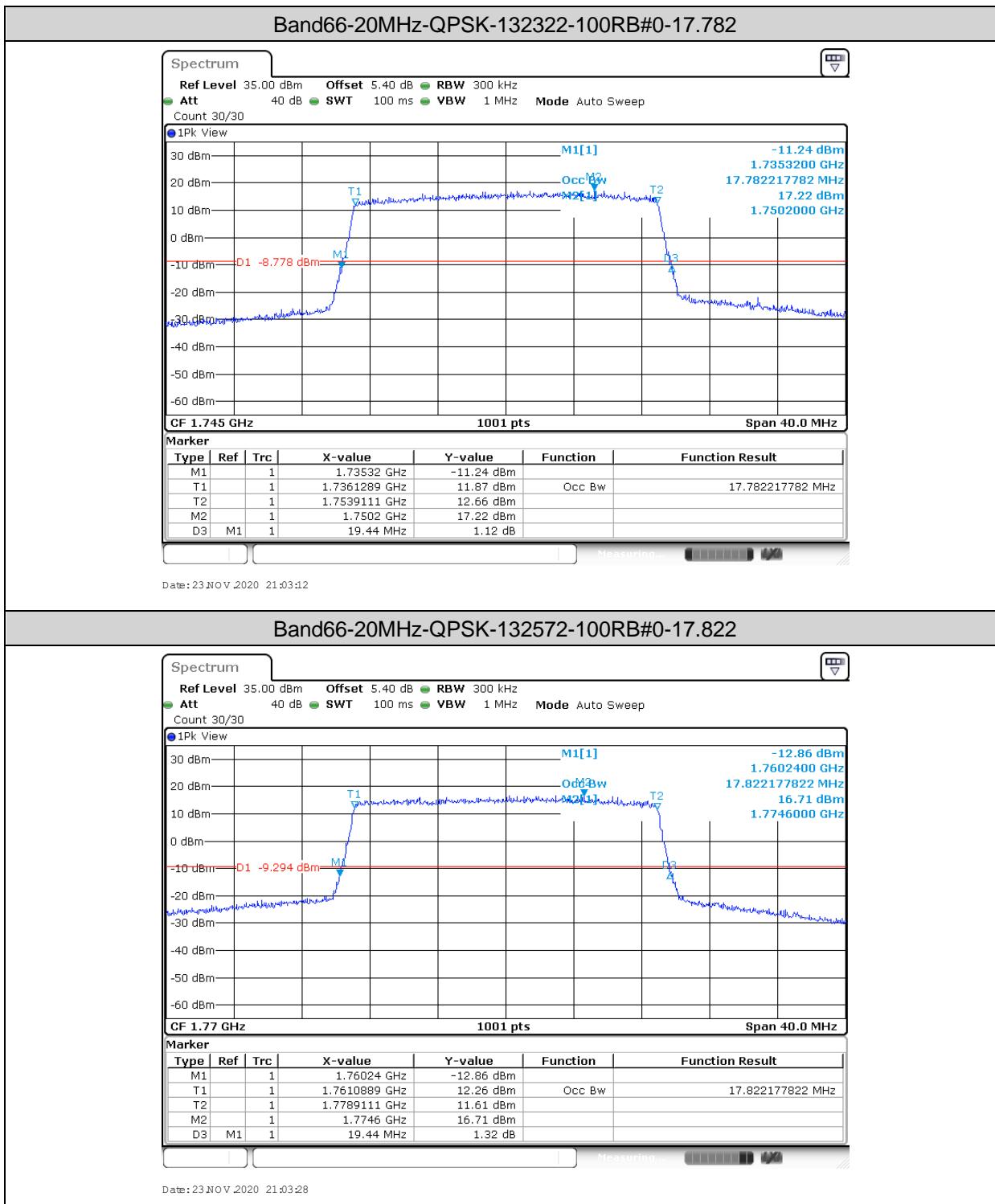
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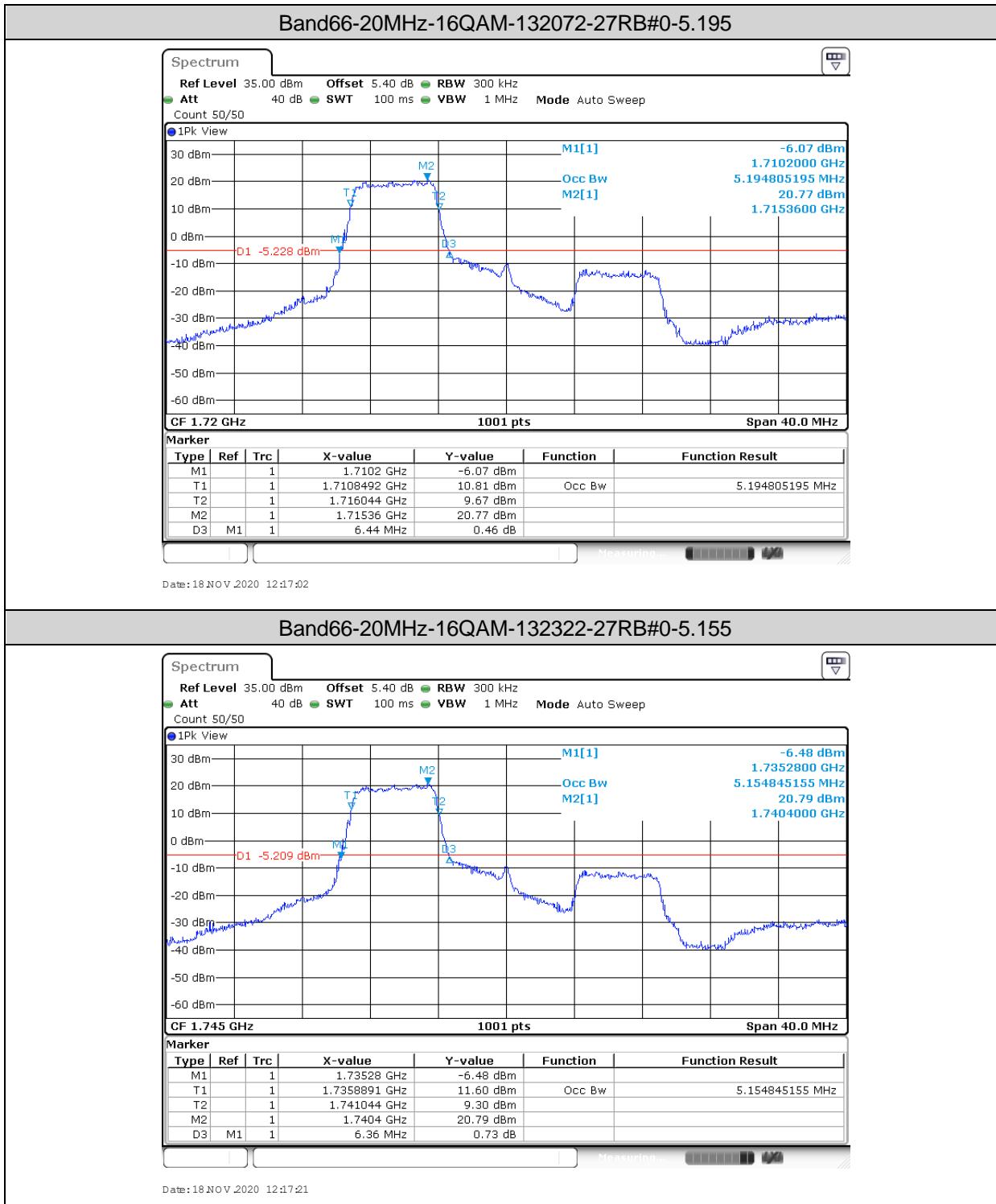


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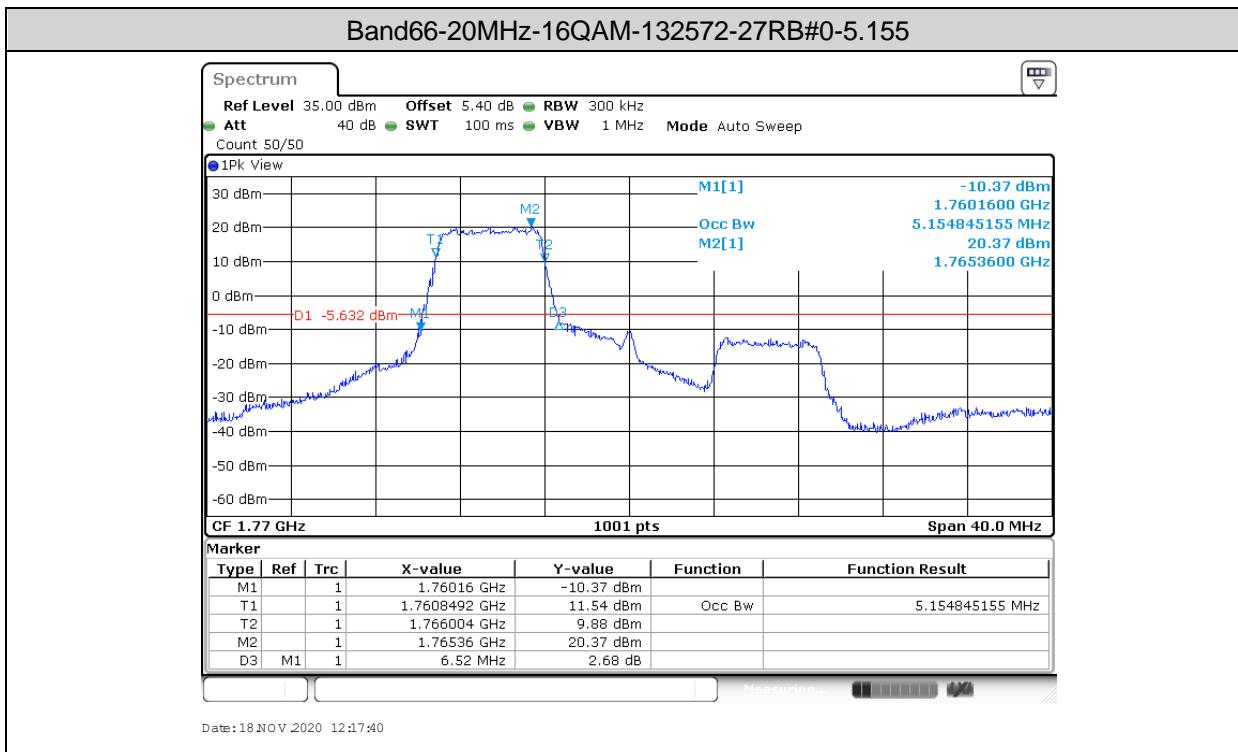


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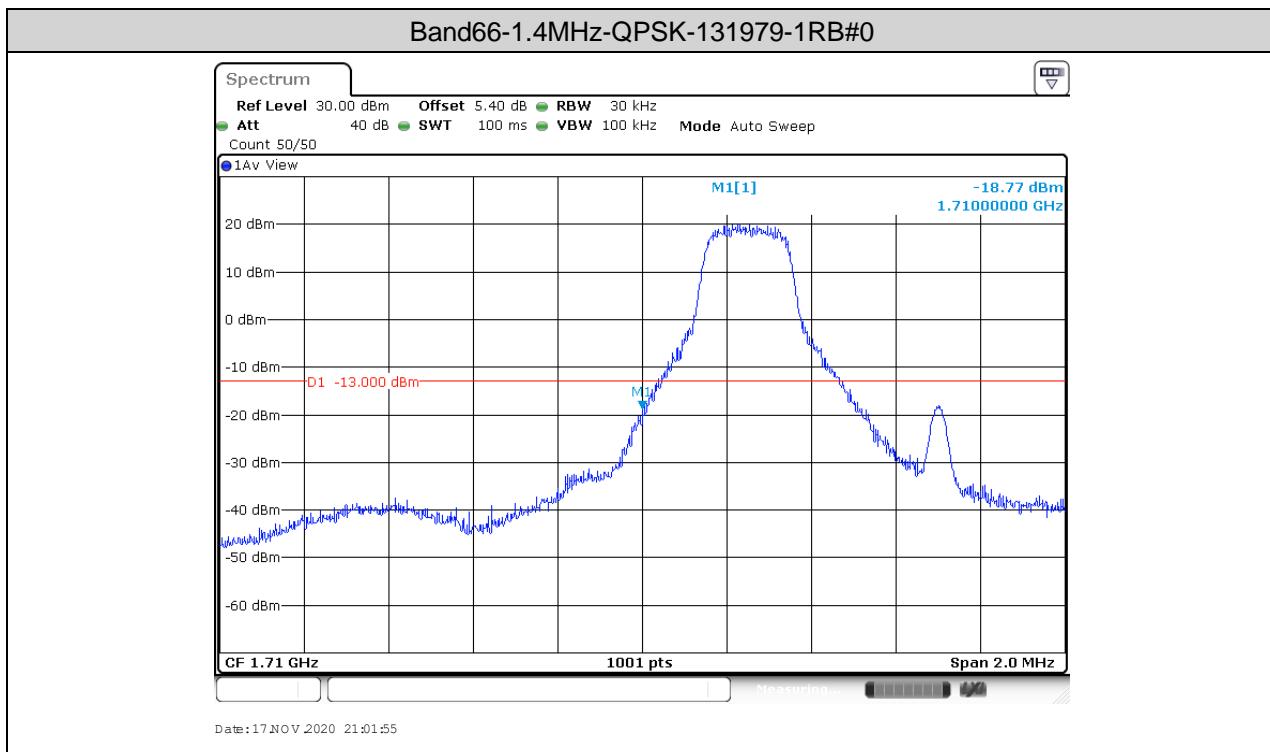


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5 Band Edge Compliance

5.1 Test Plots



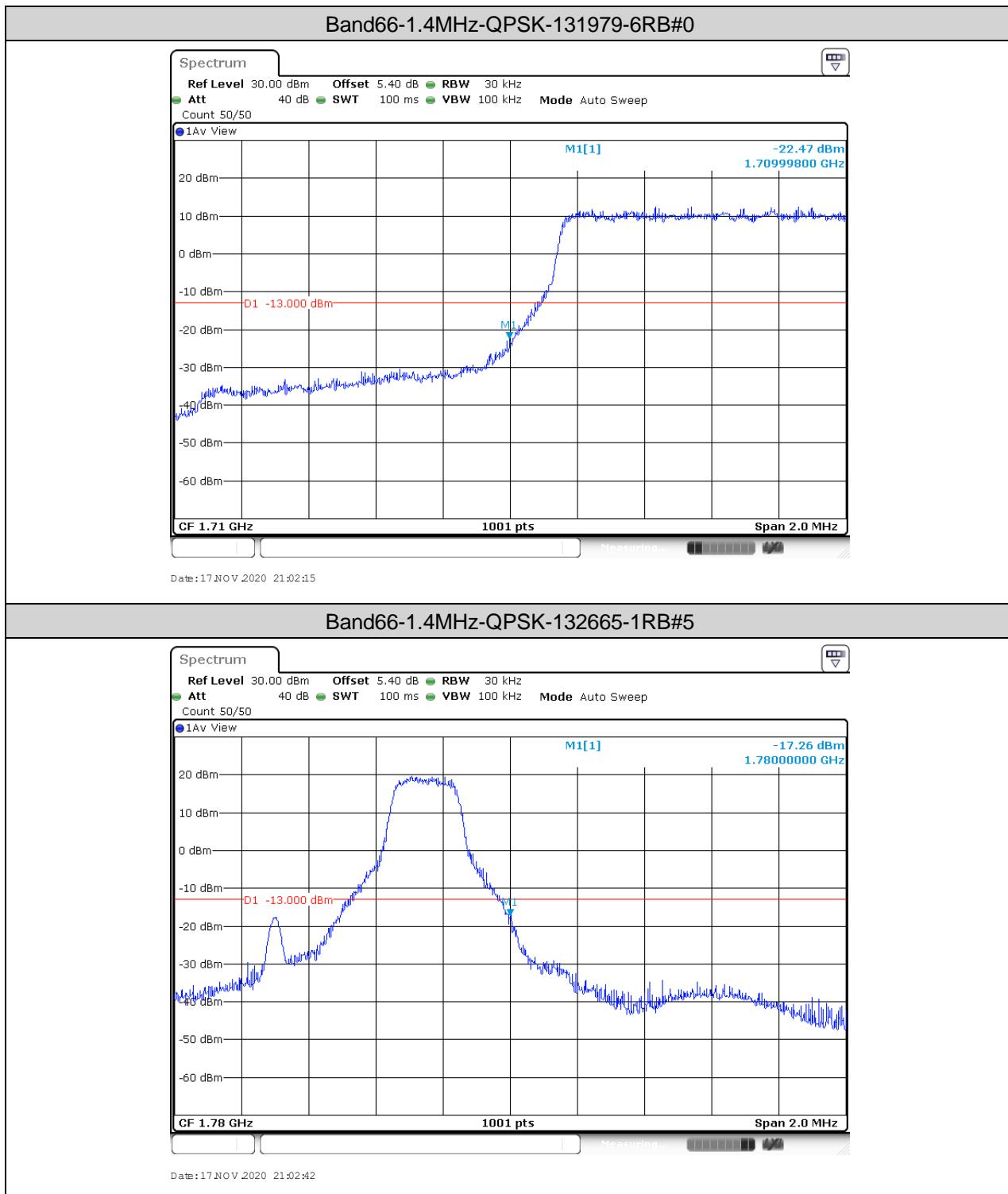
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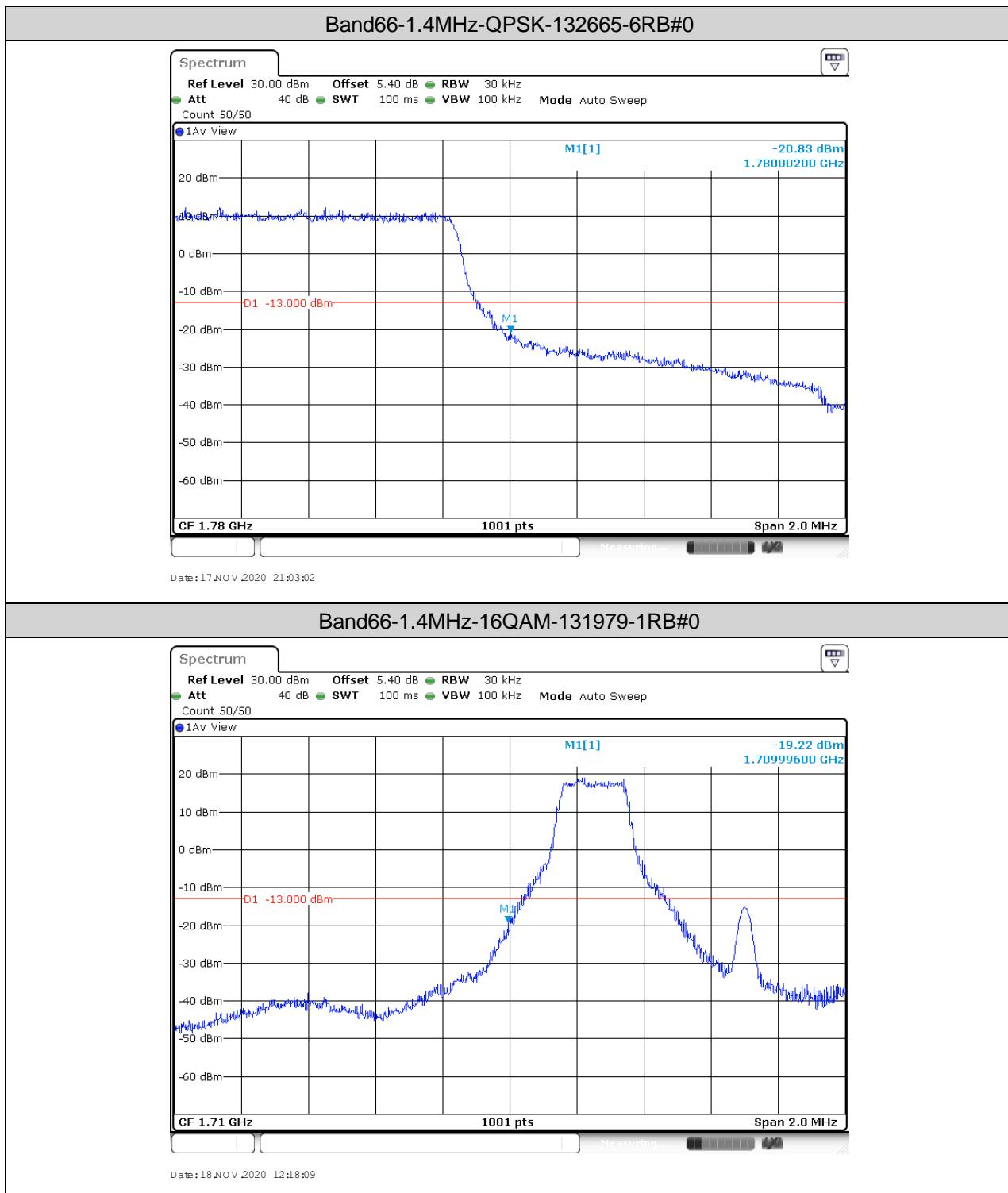
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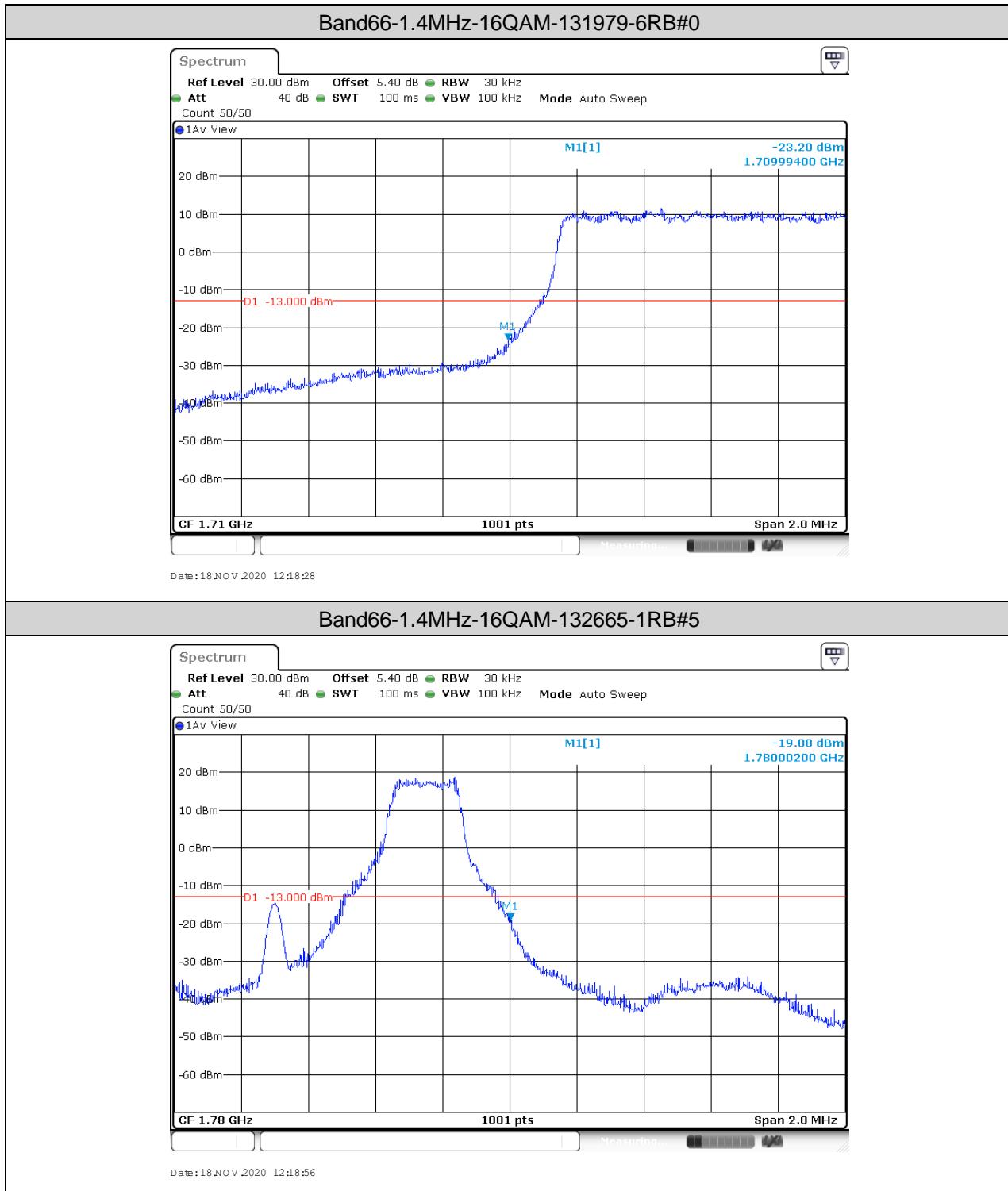


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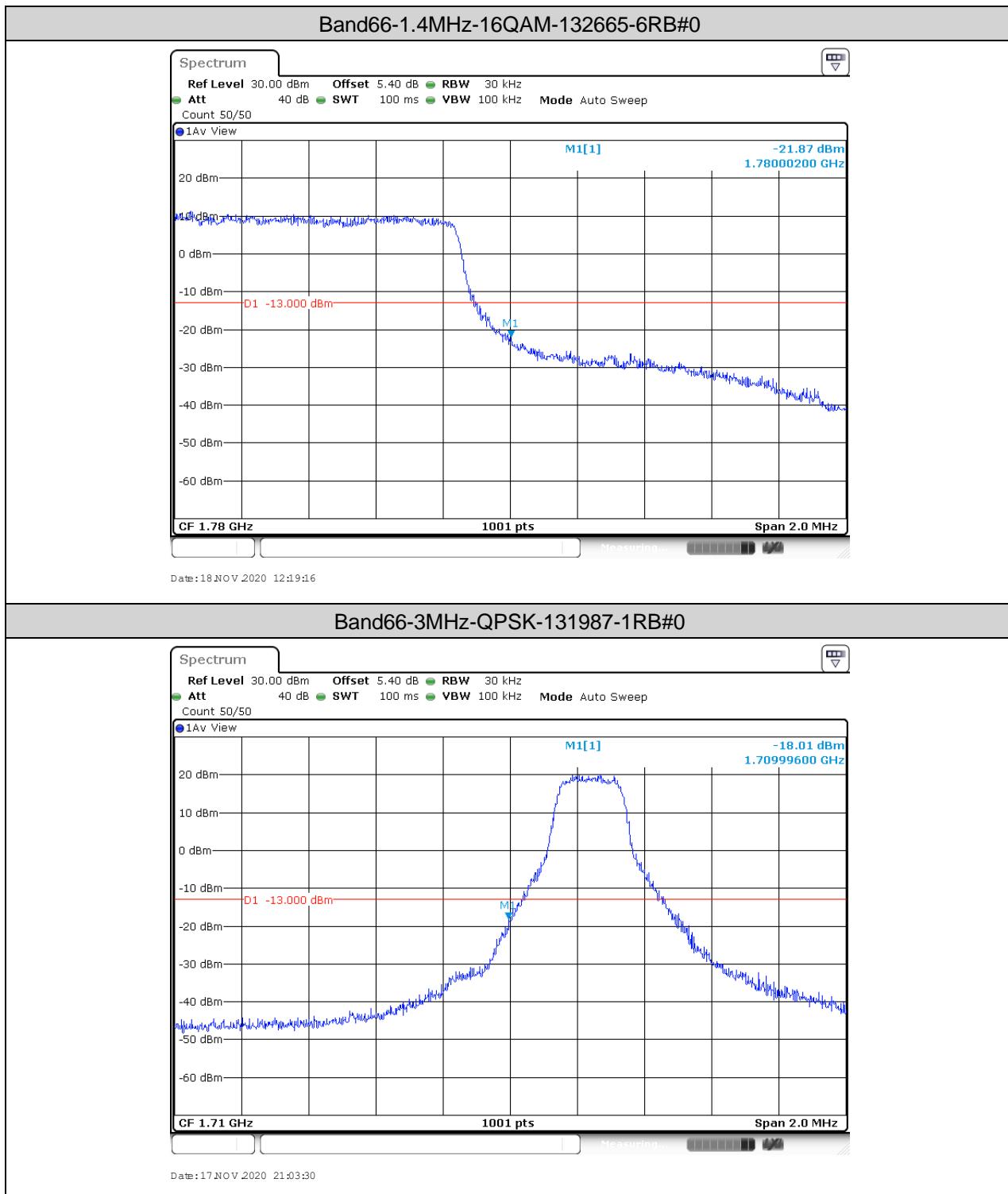


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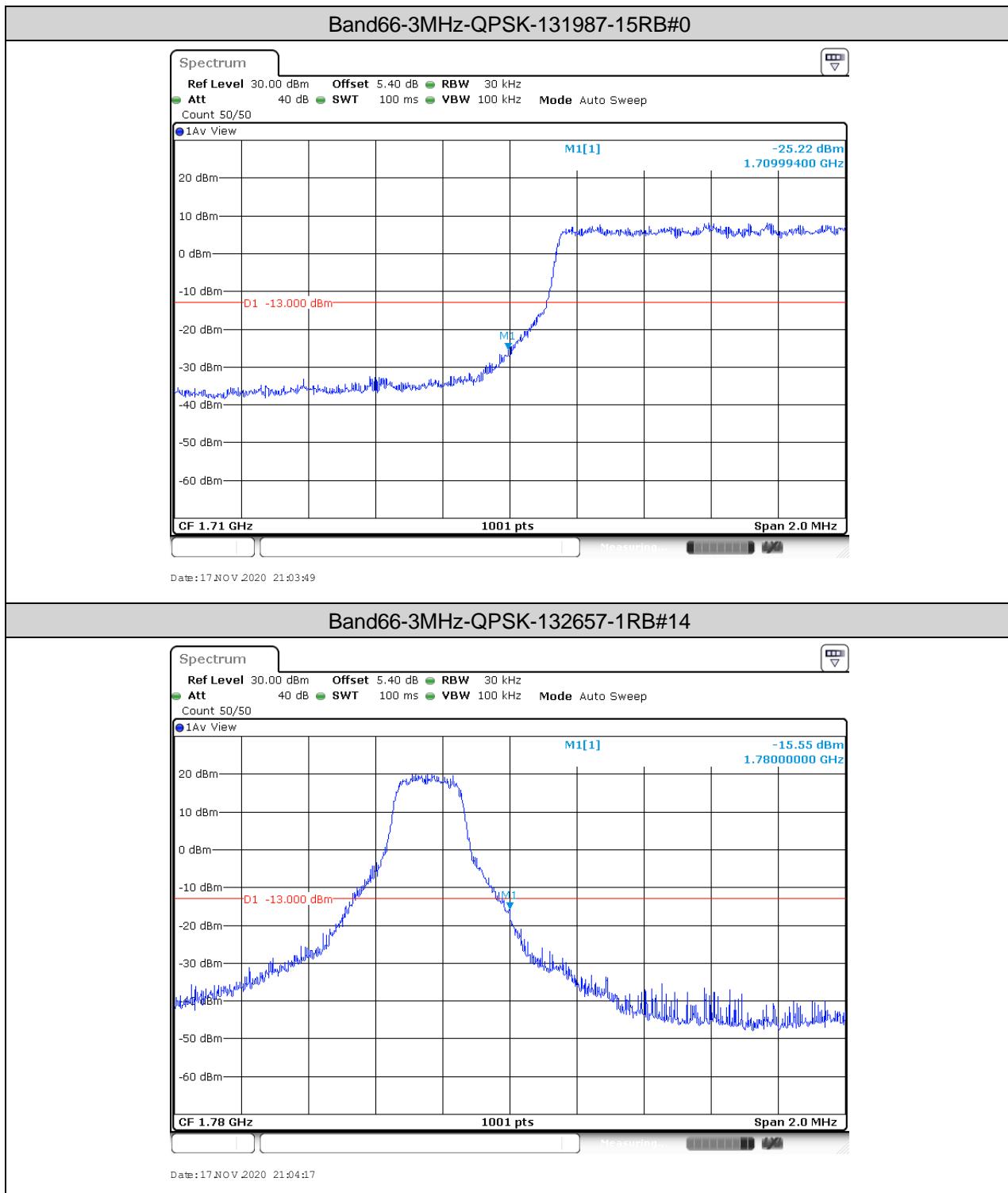
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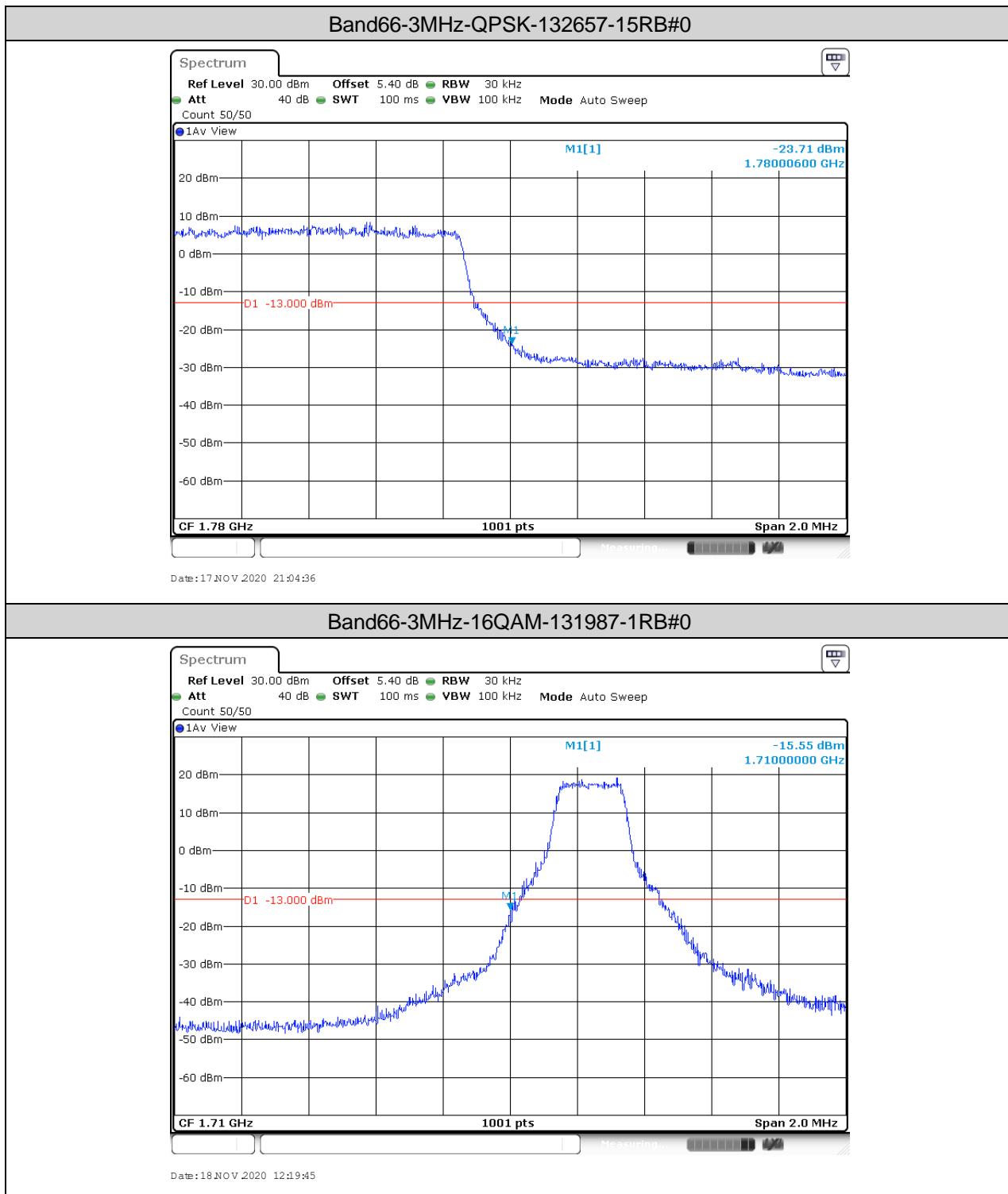


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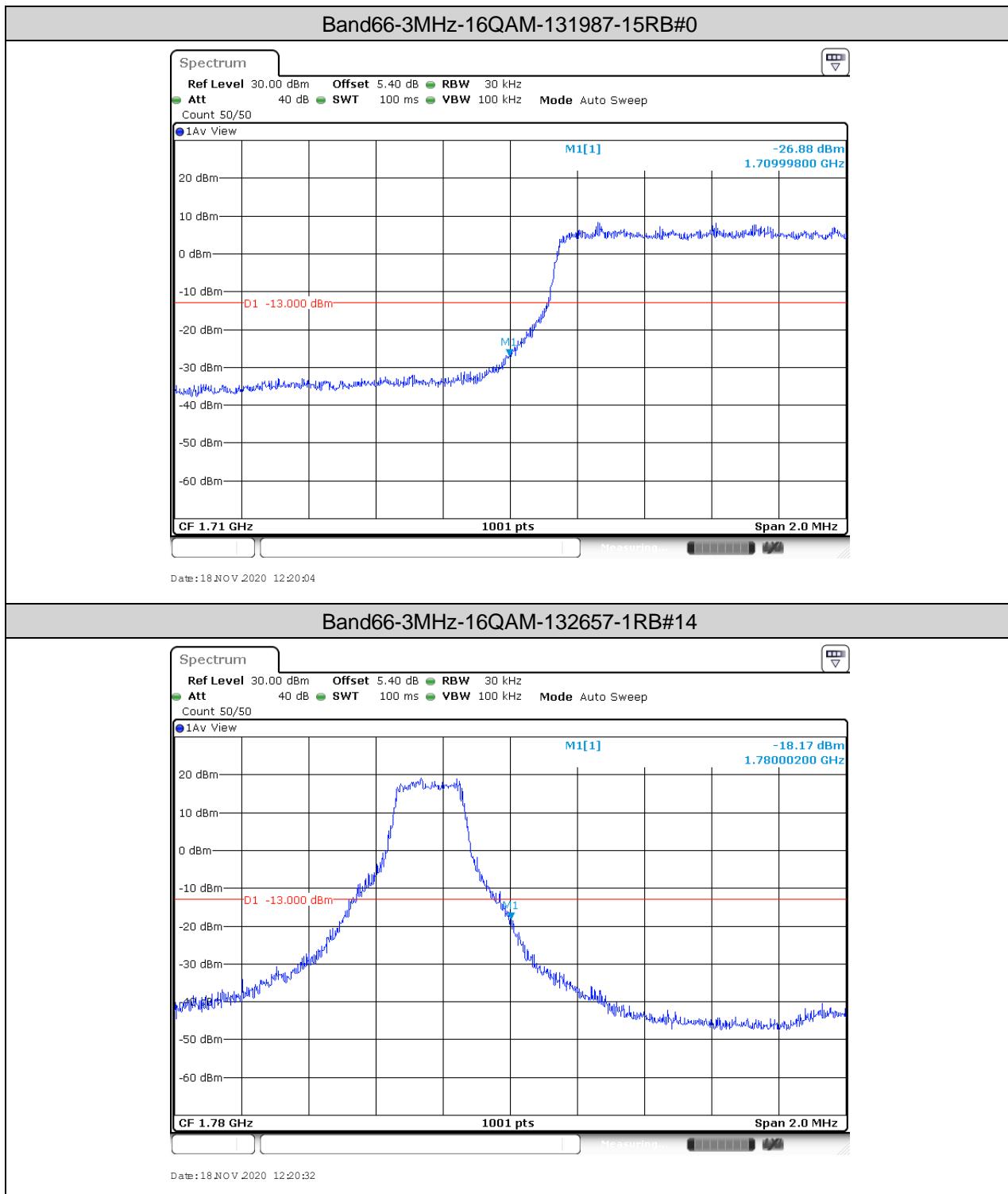


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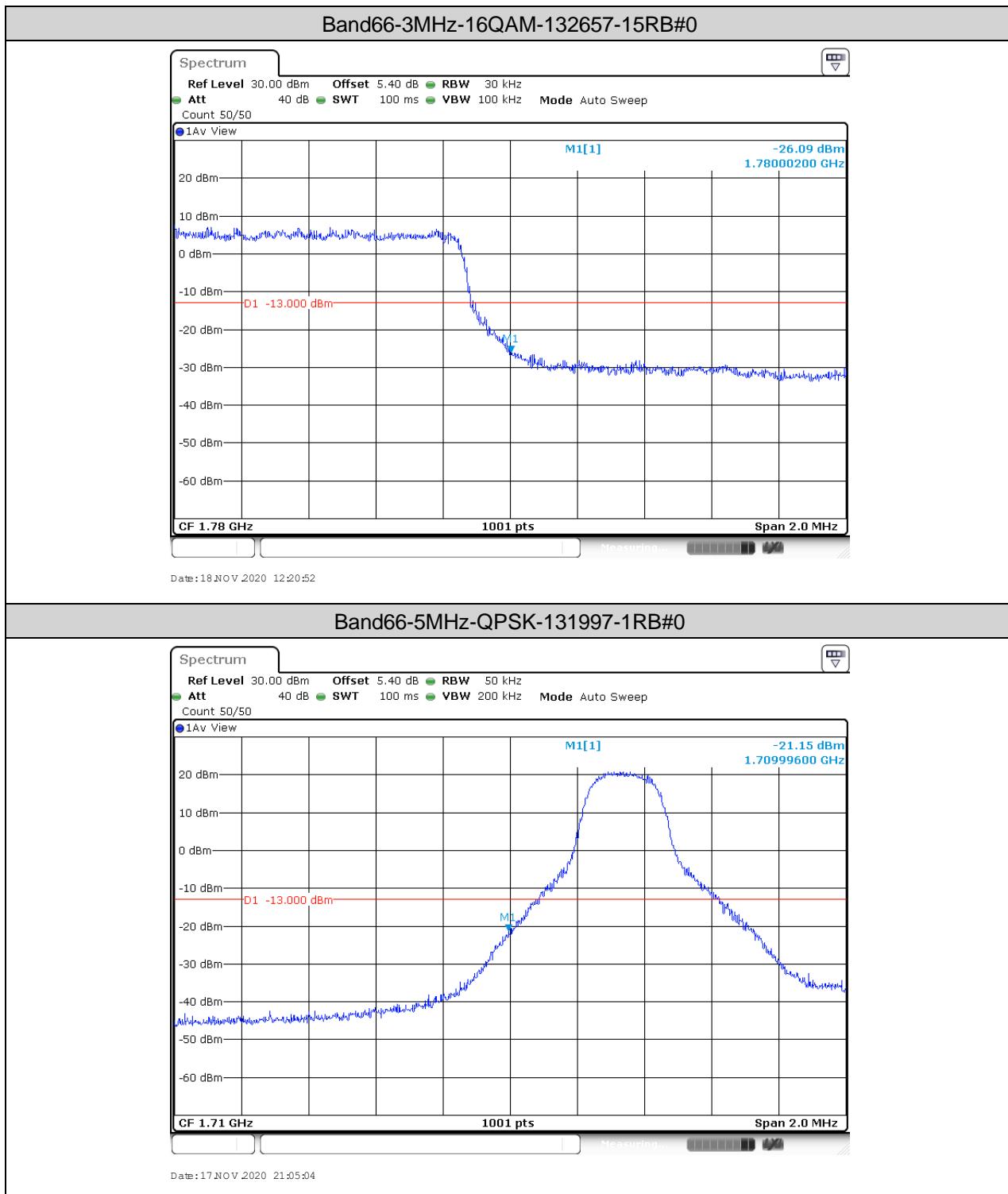


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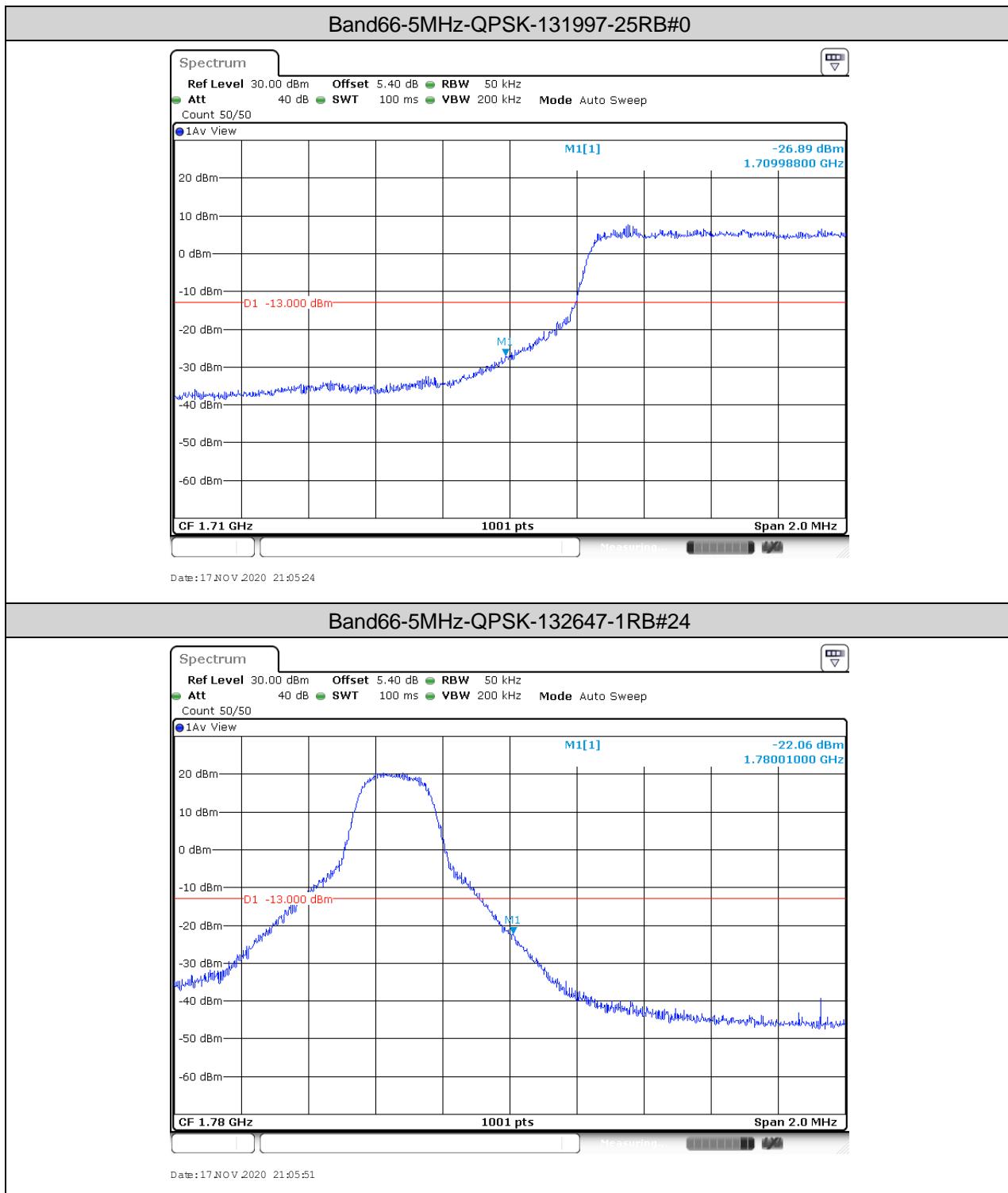


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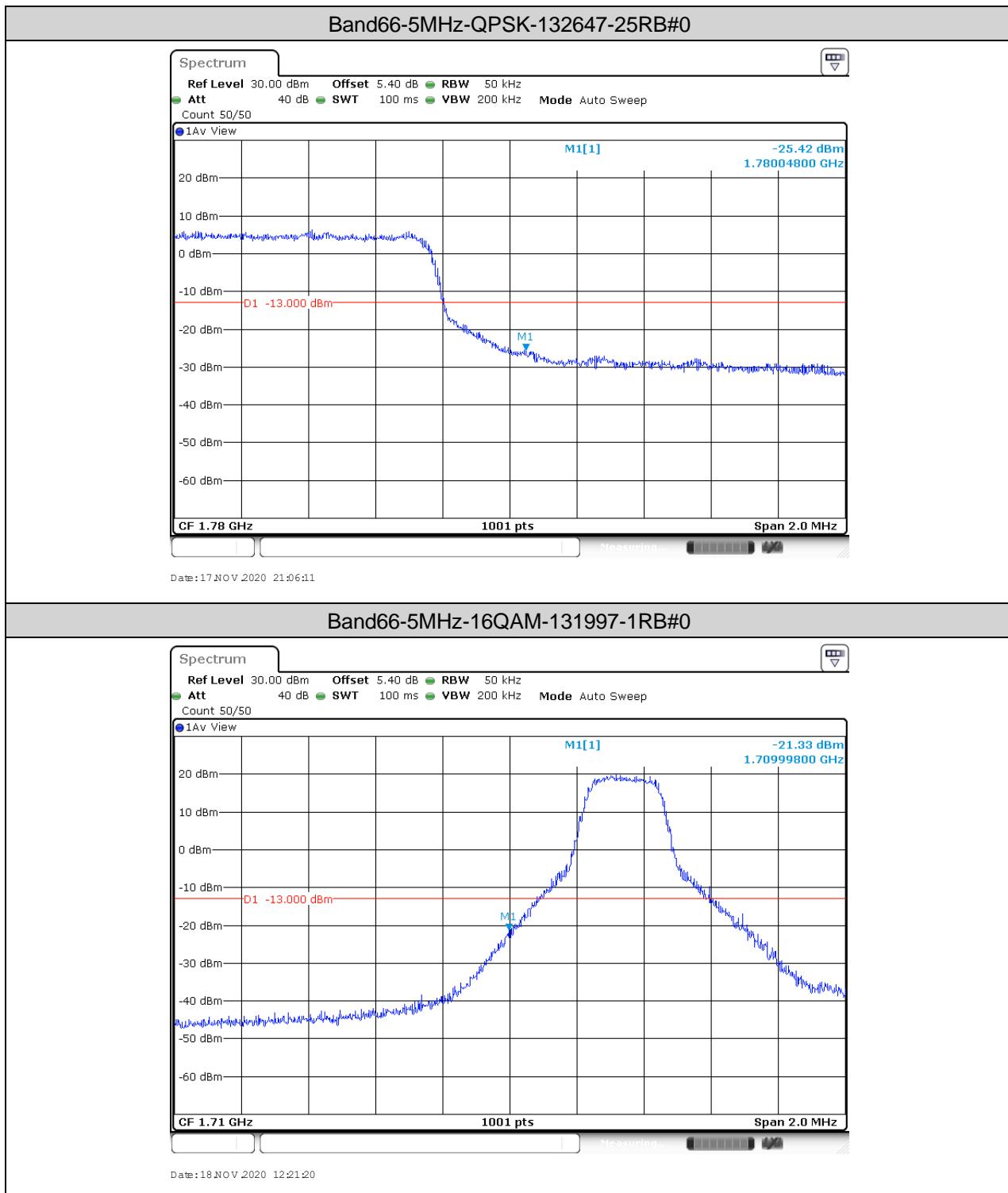


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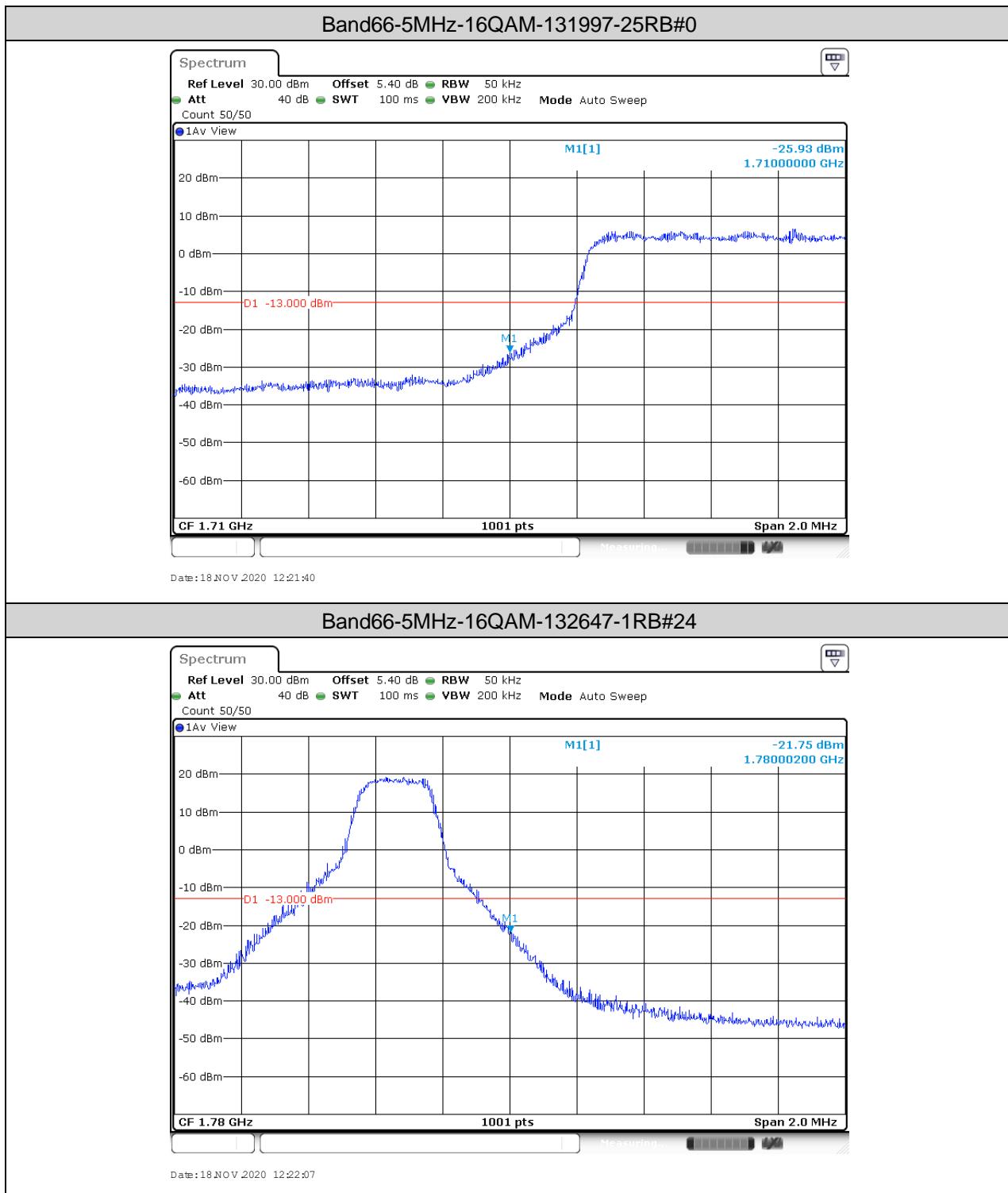


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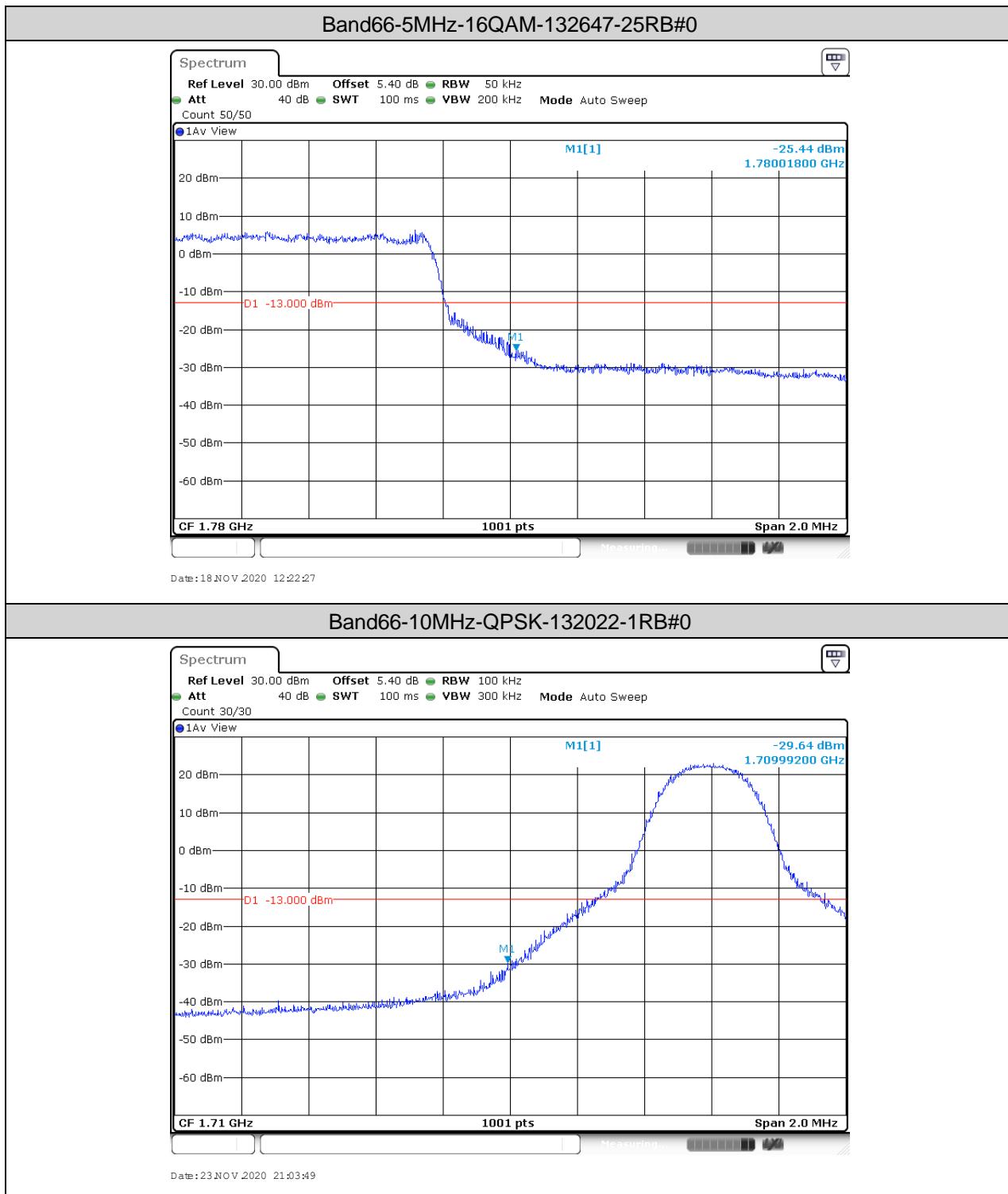


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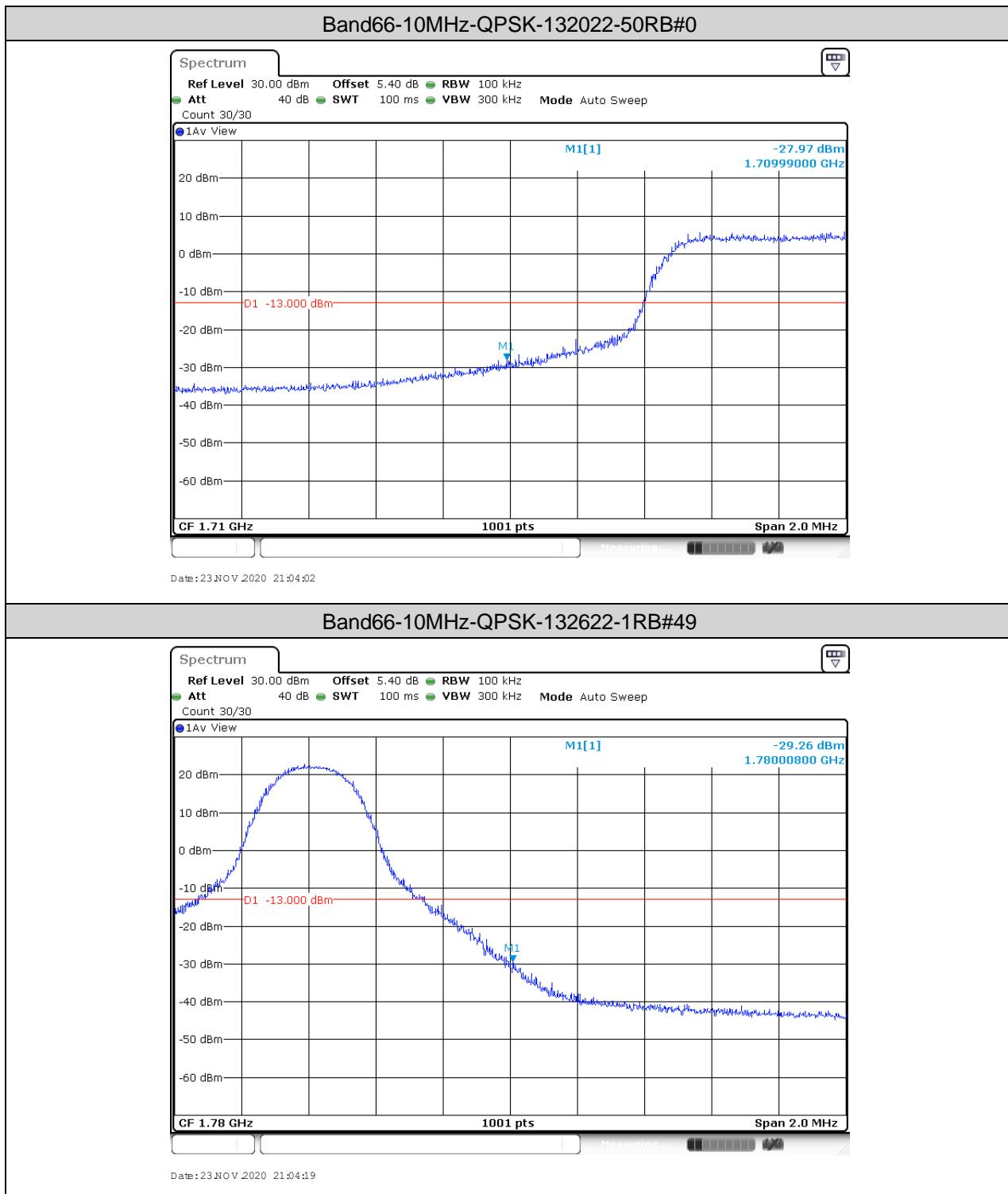


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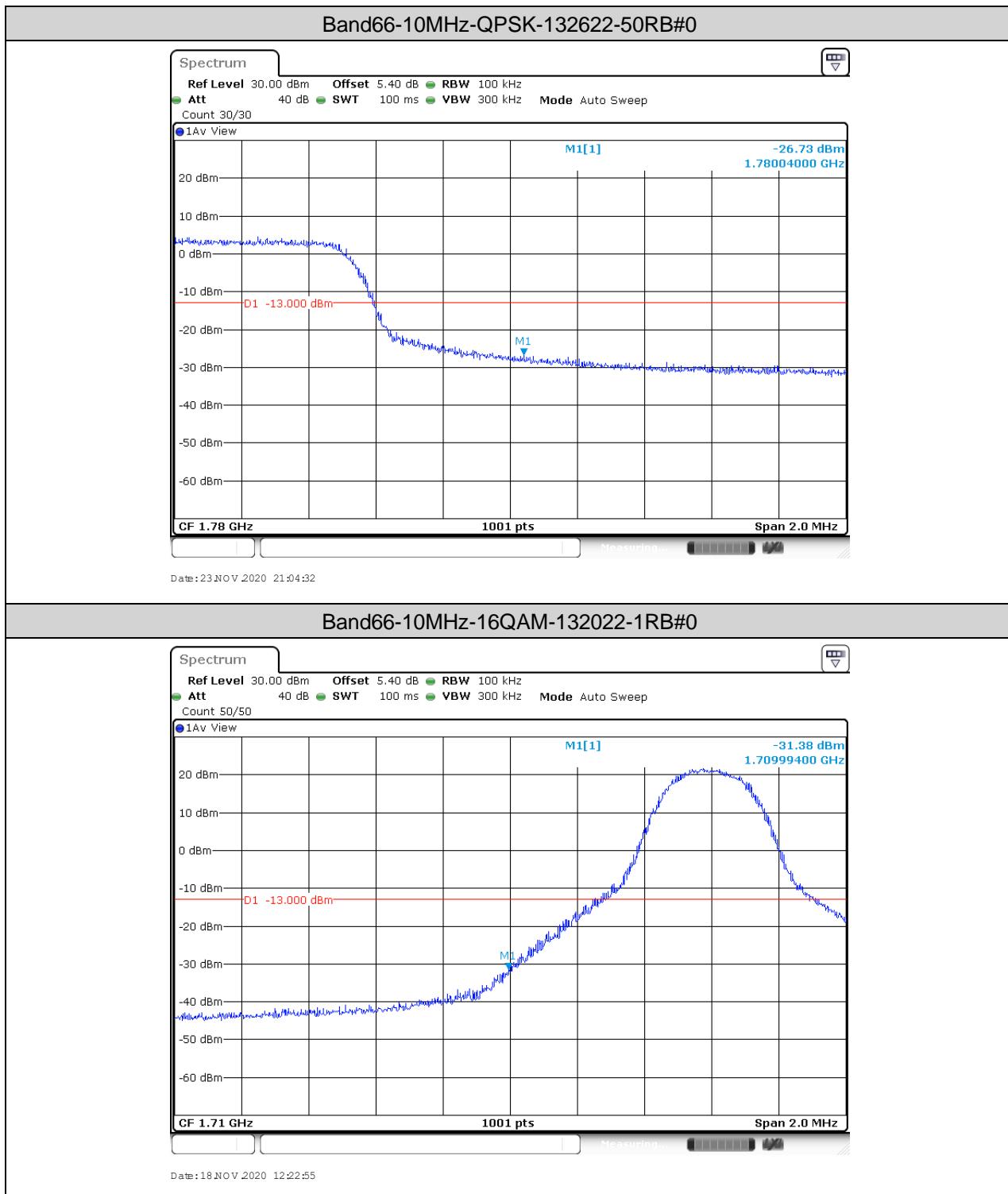


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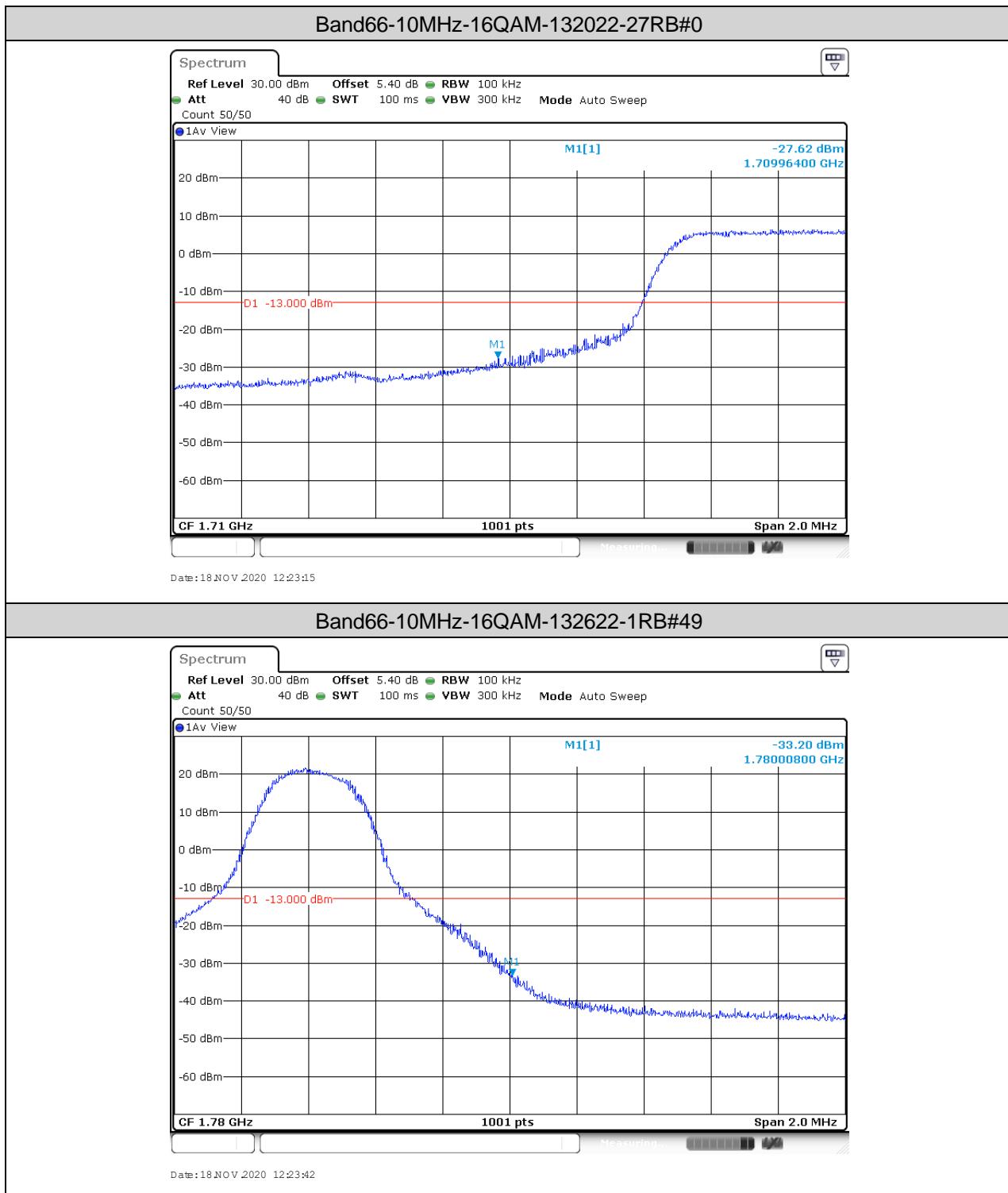


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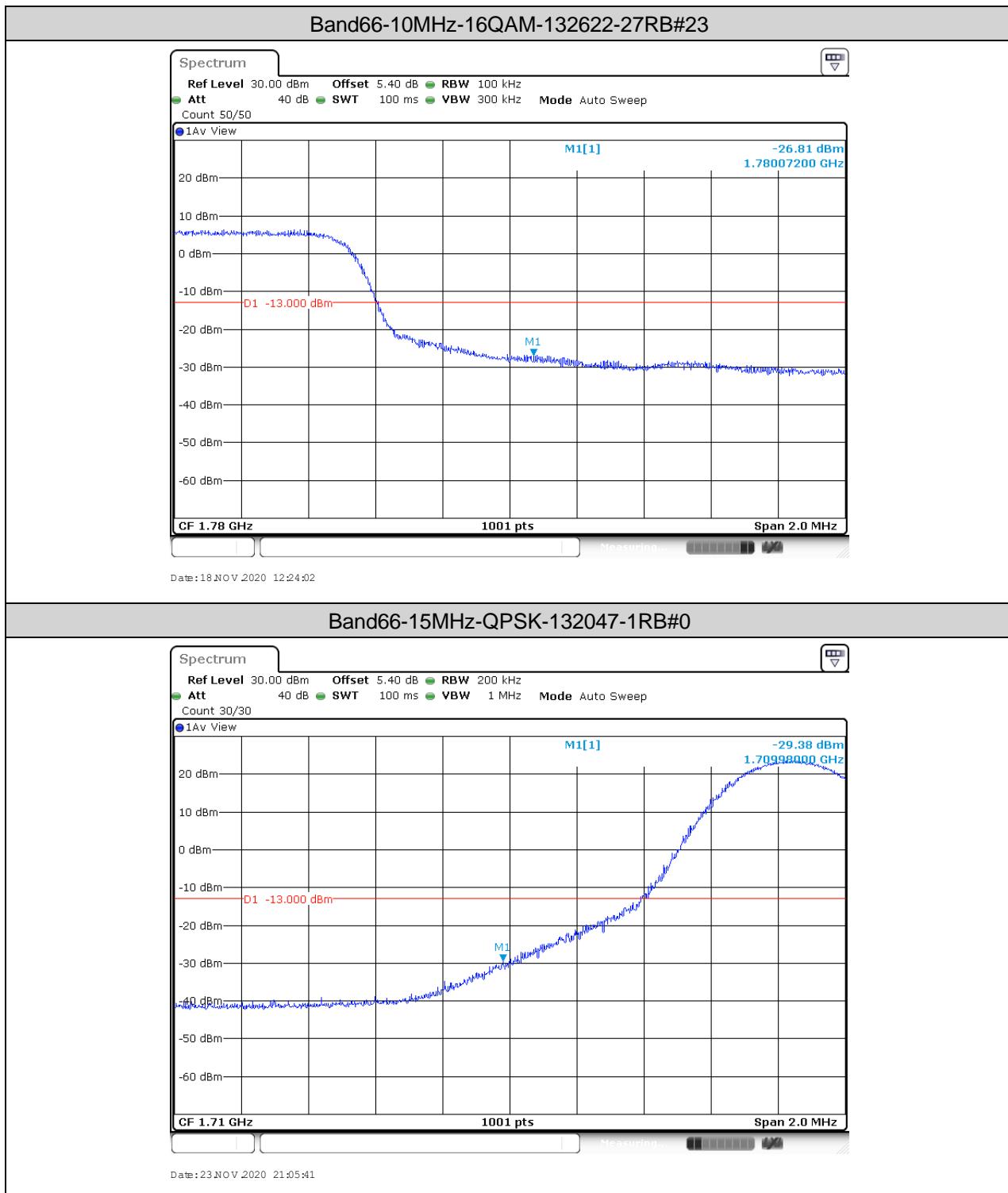


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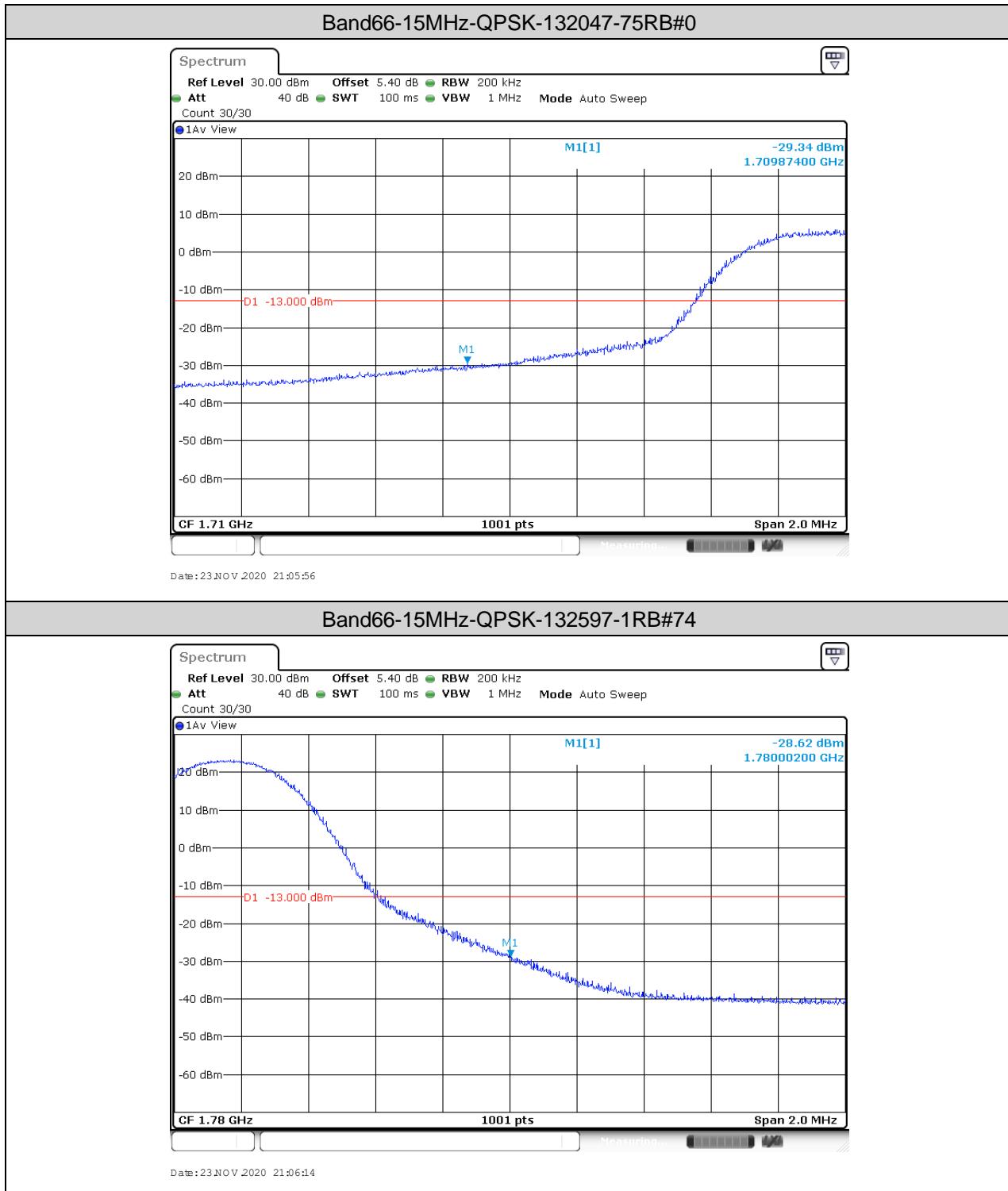


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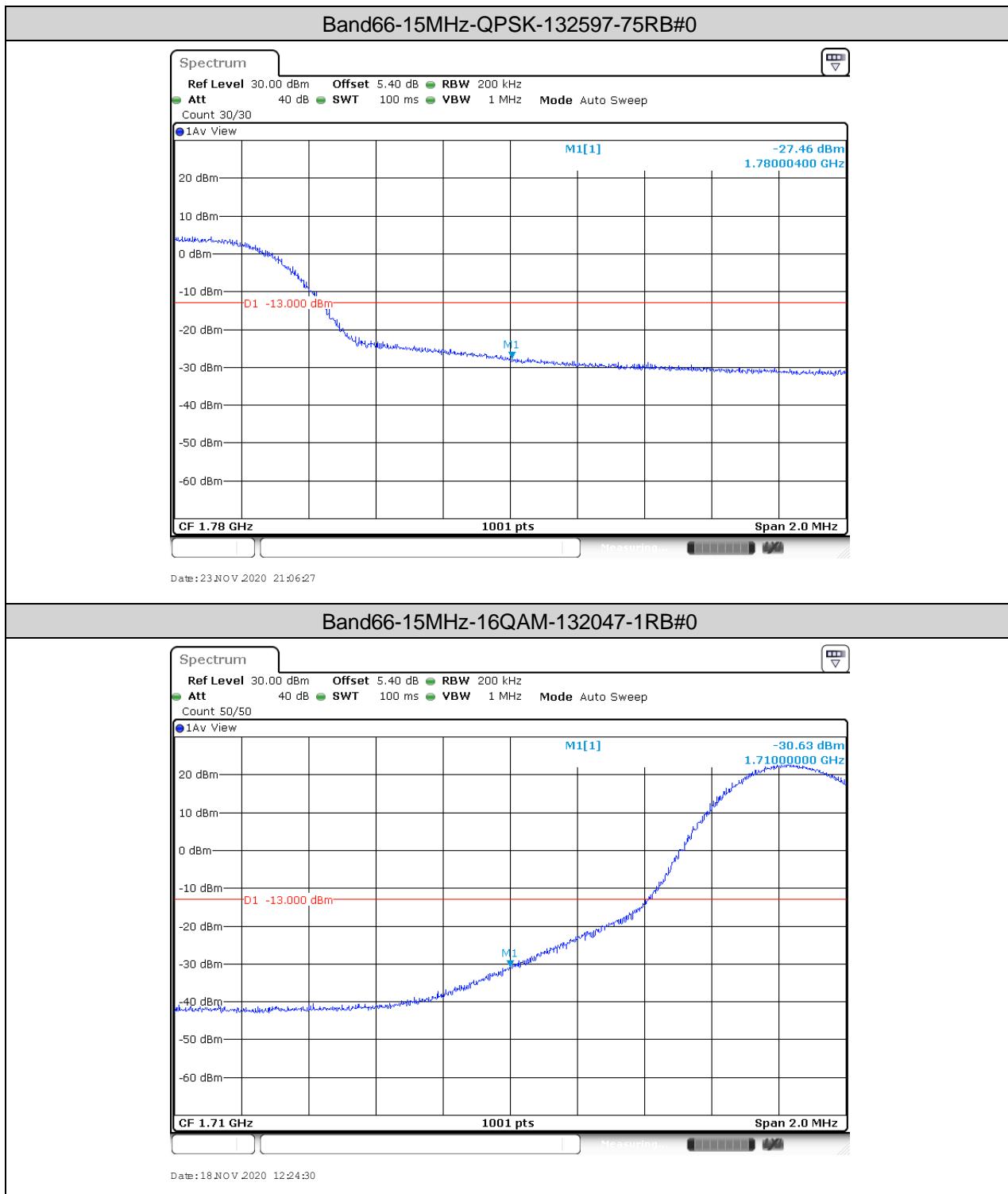


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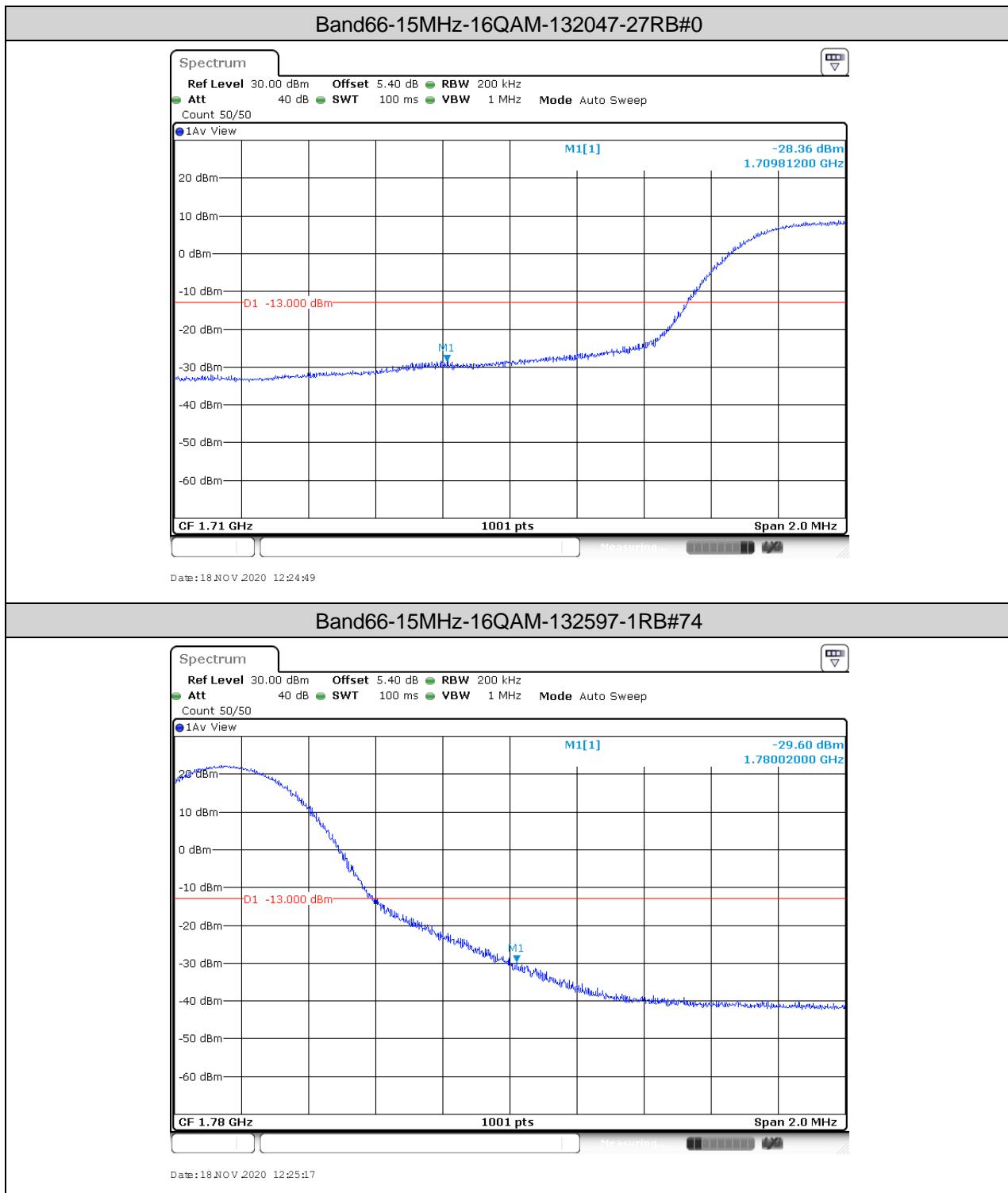


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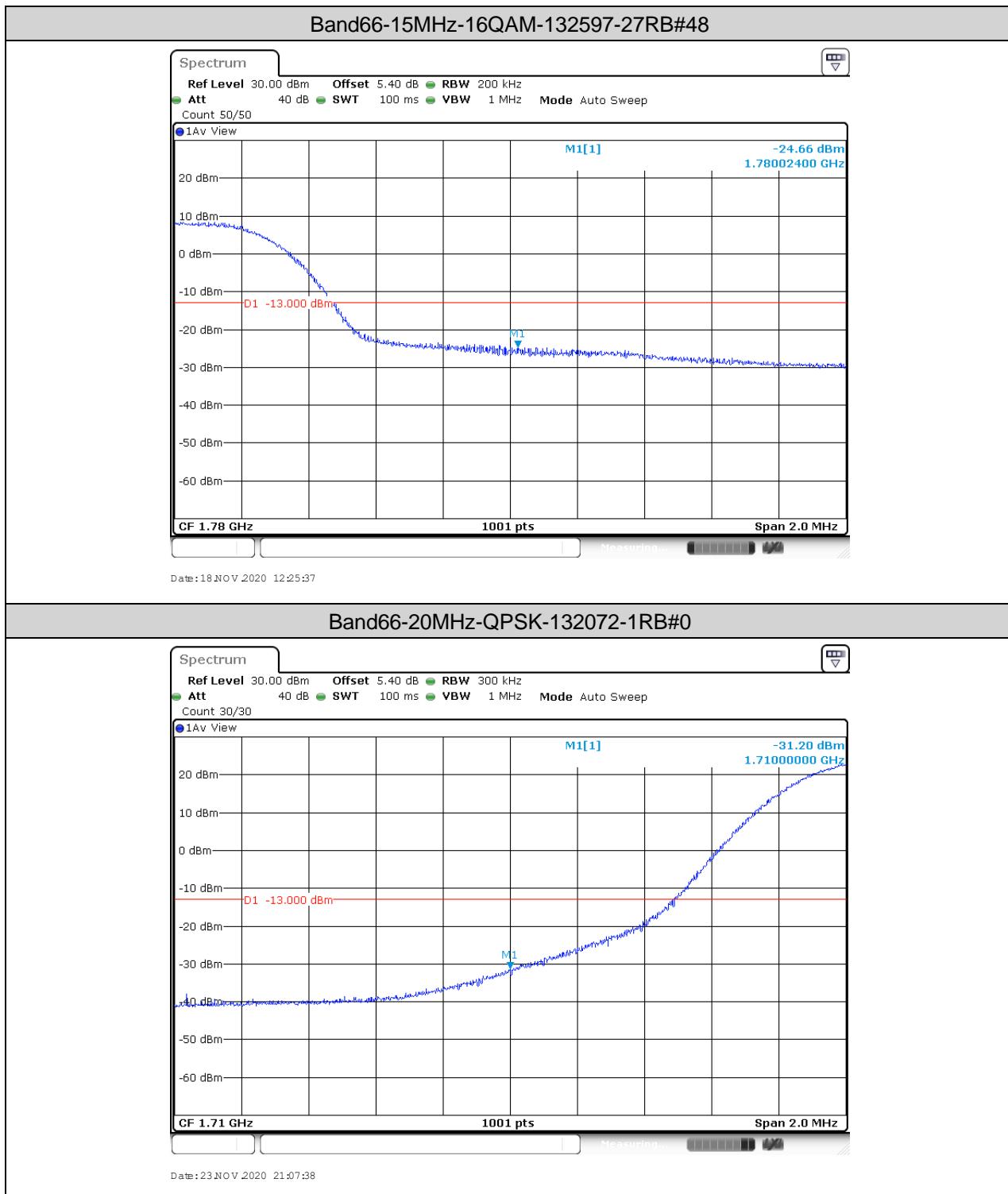


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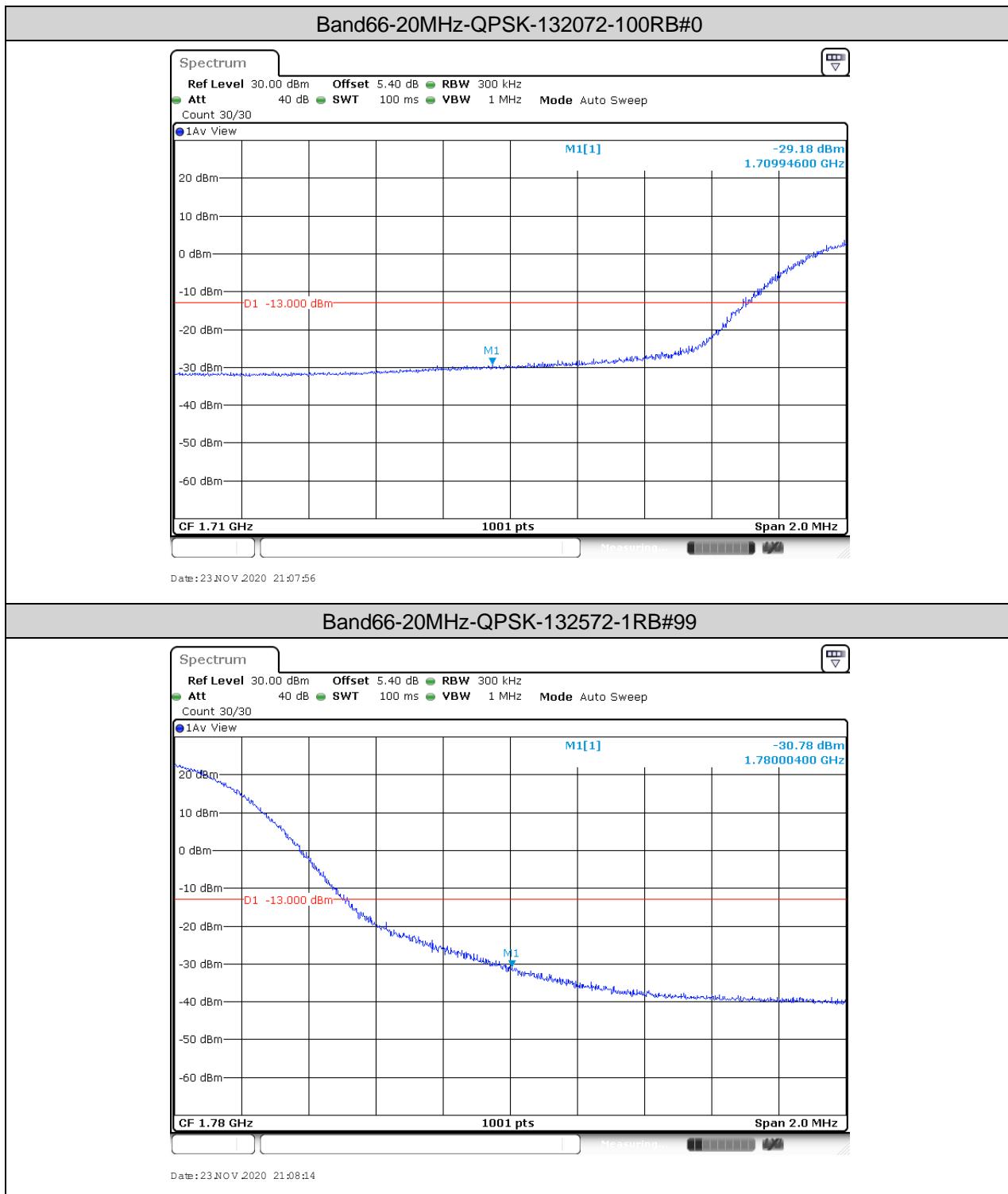


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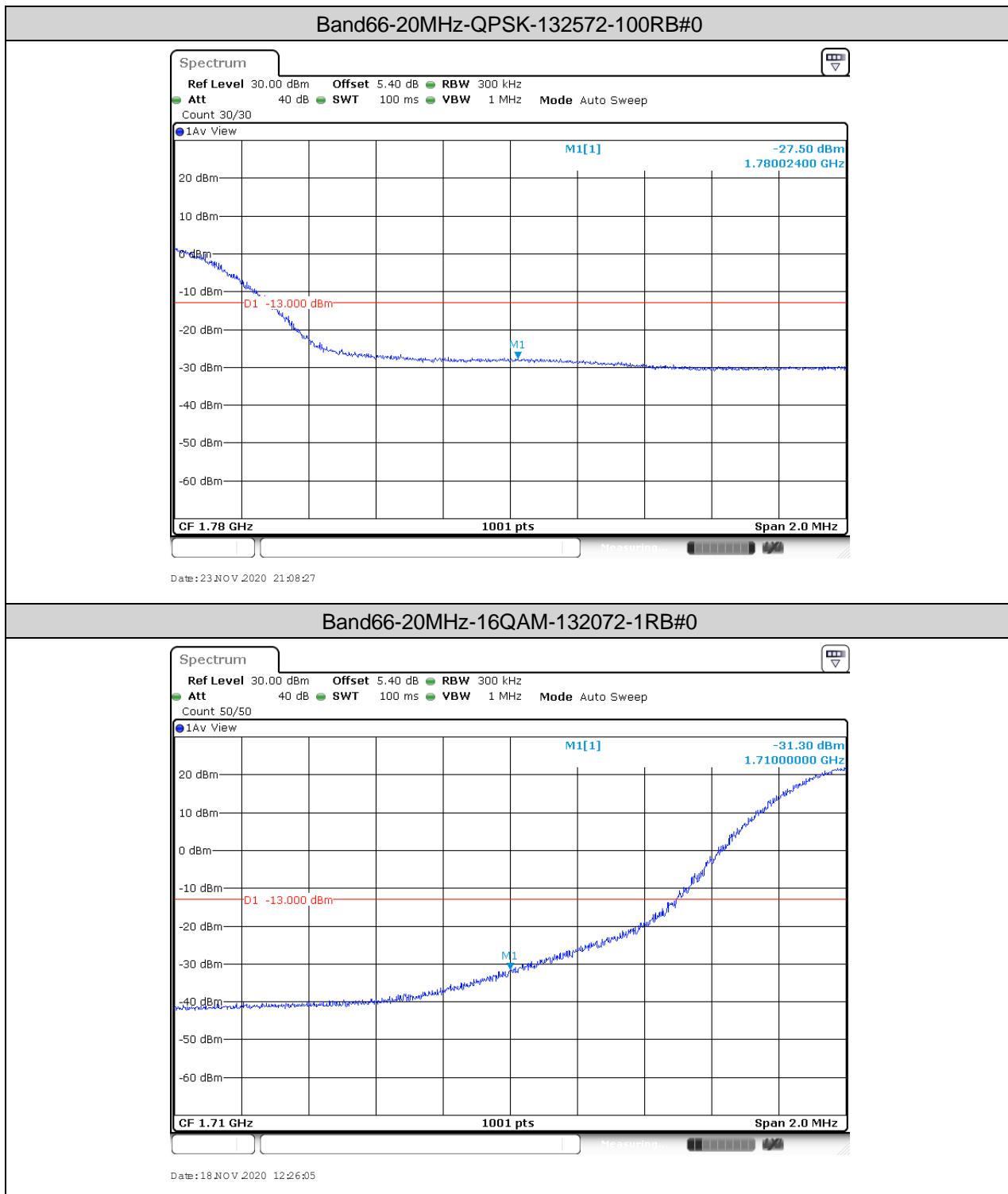


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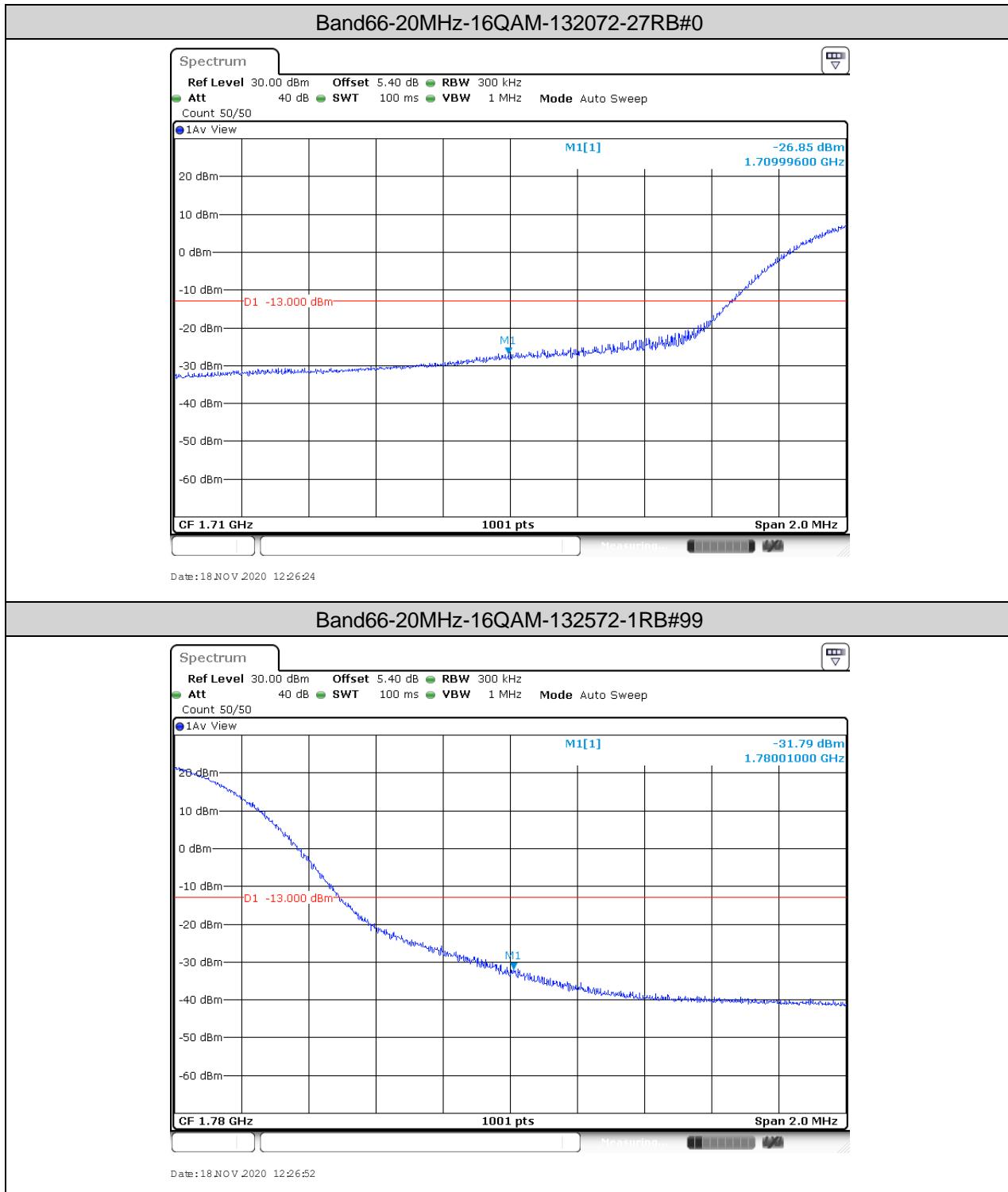


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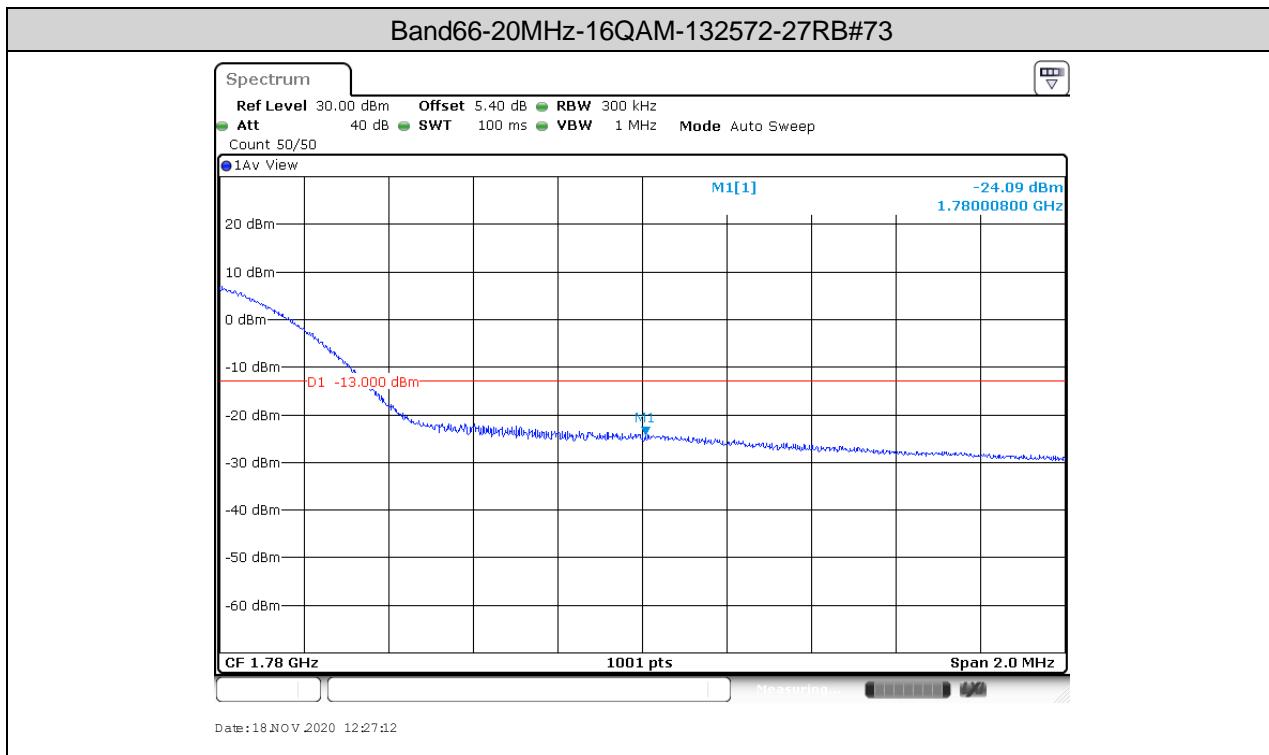


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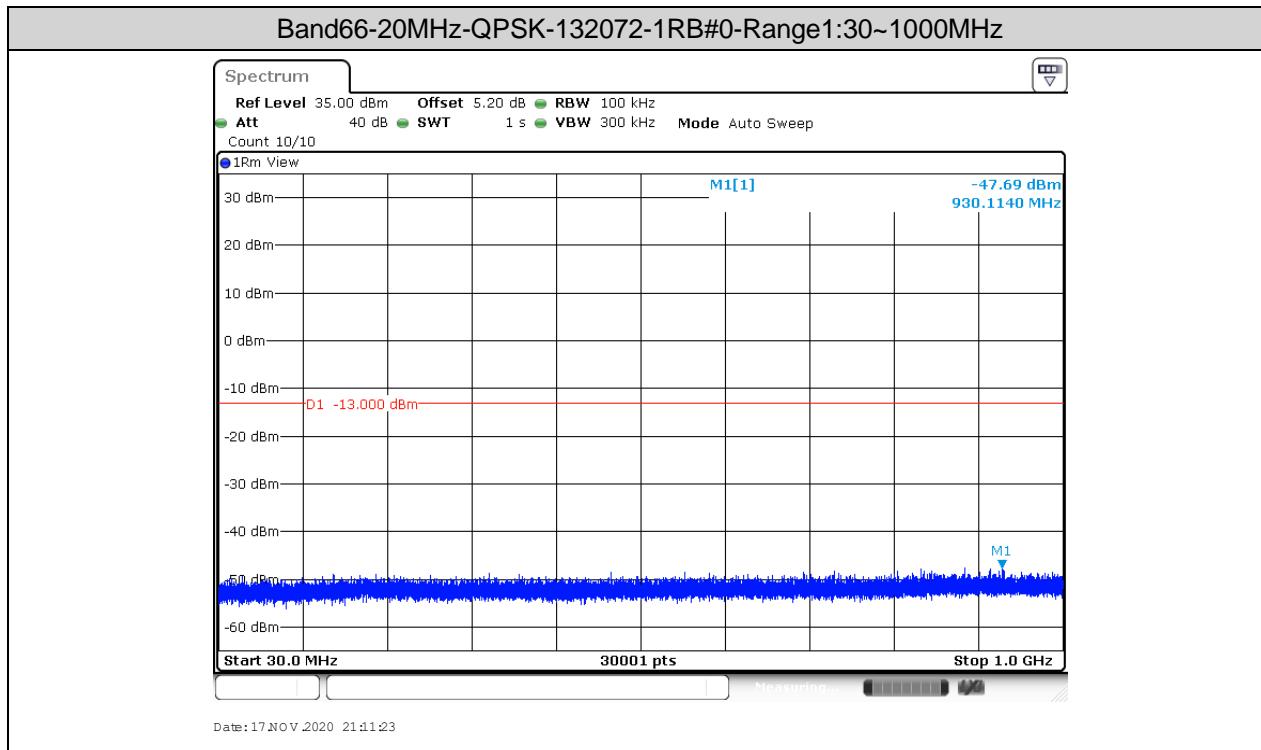
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6 Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / \text{RBW})$ " 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



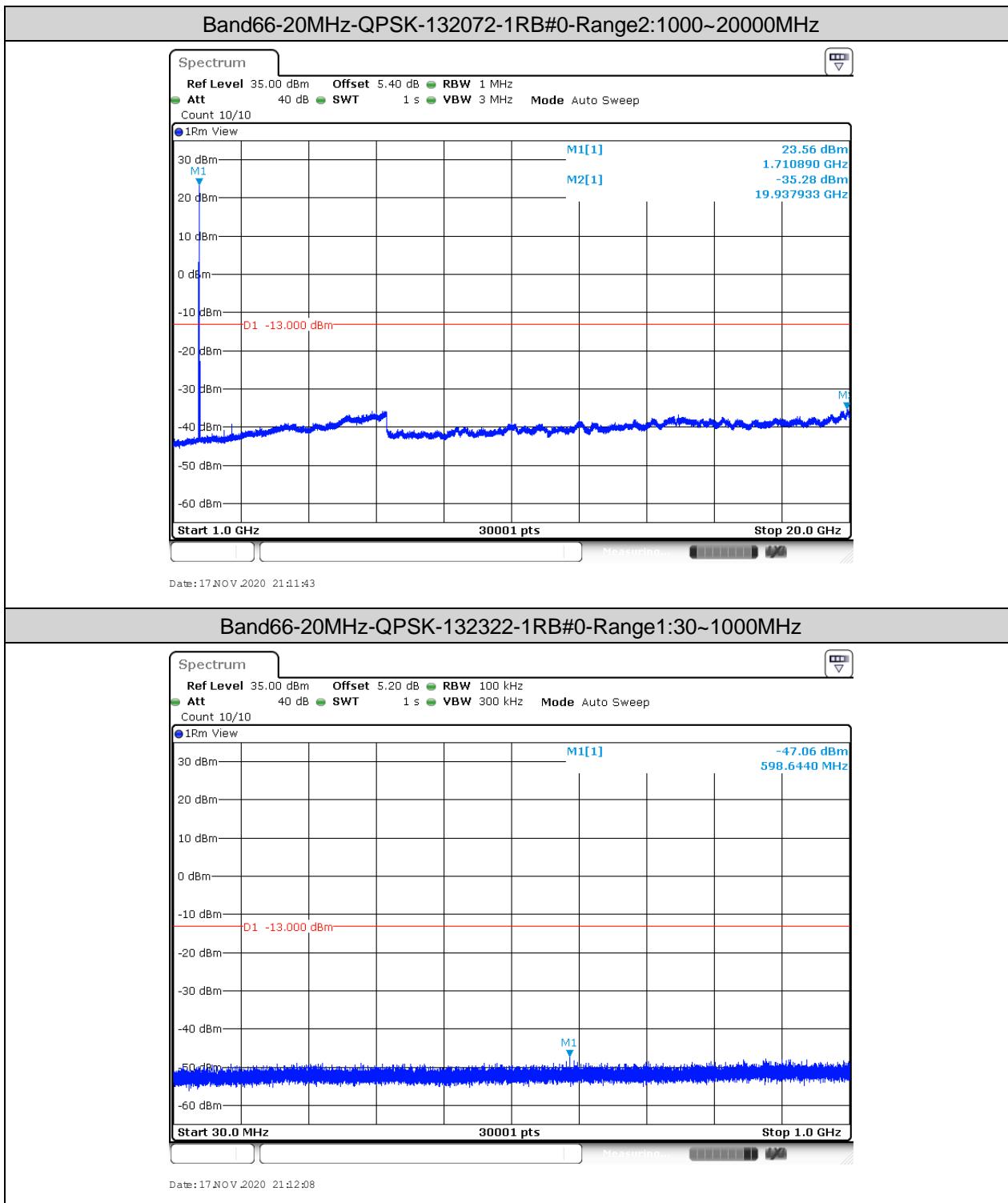
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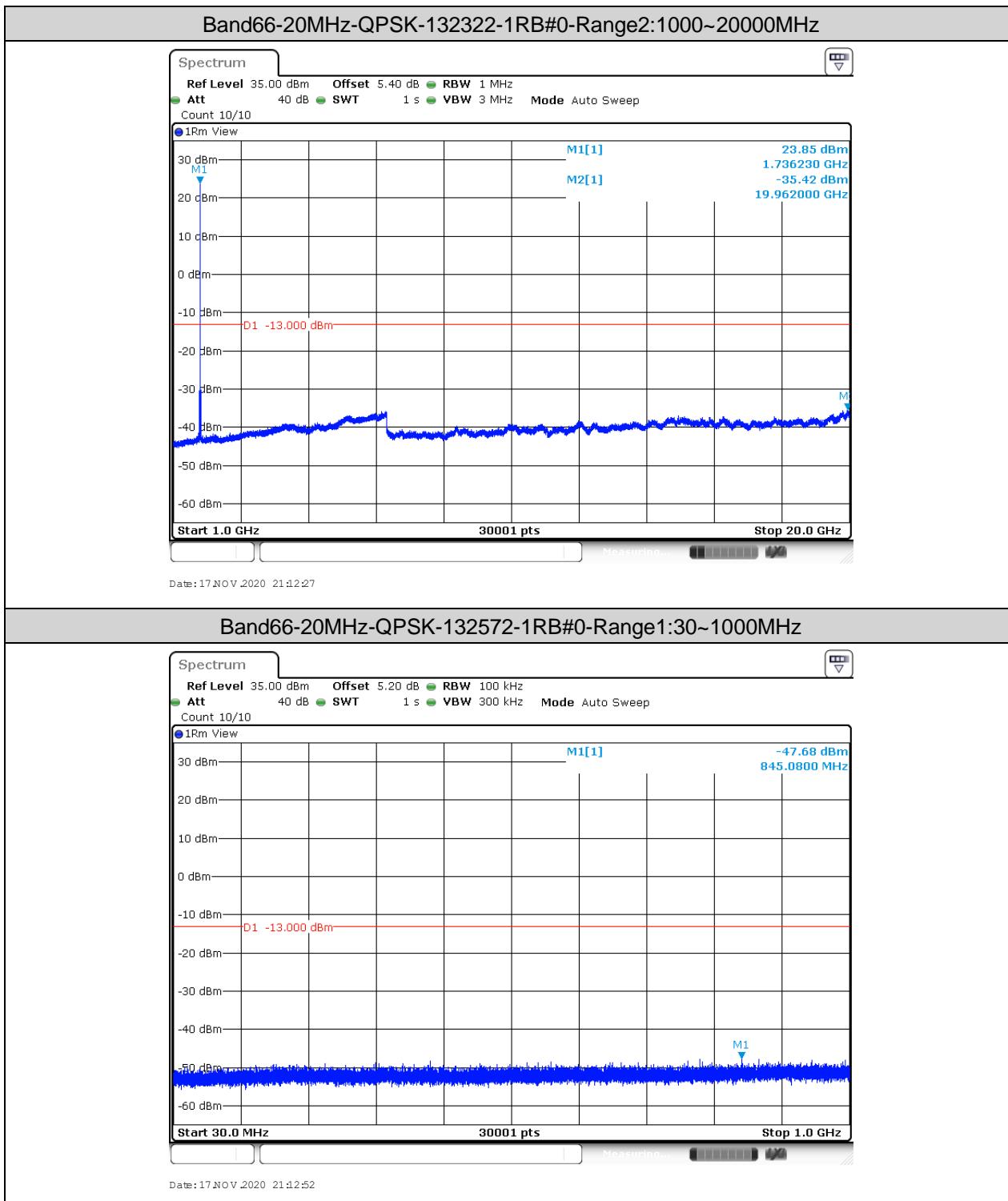
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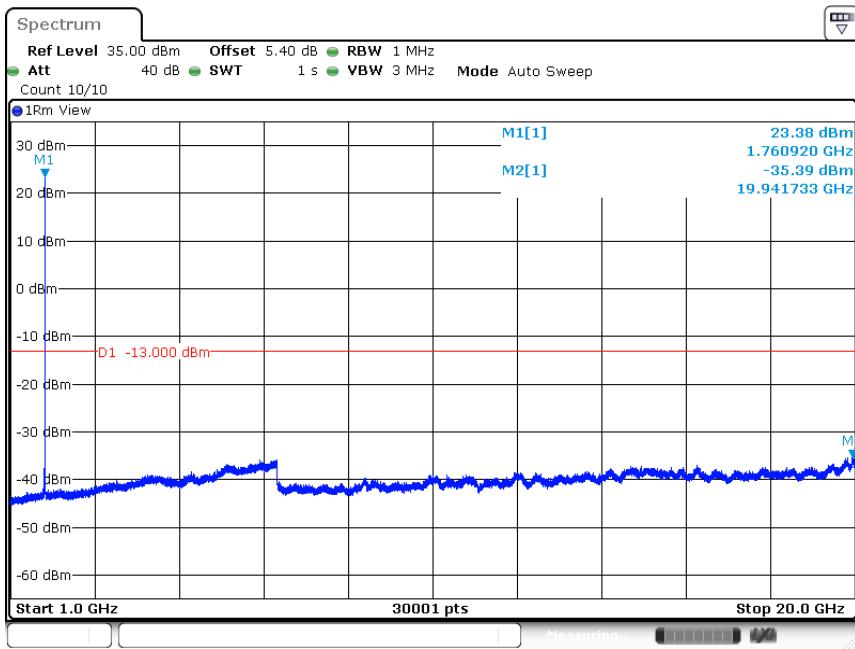
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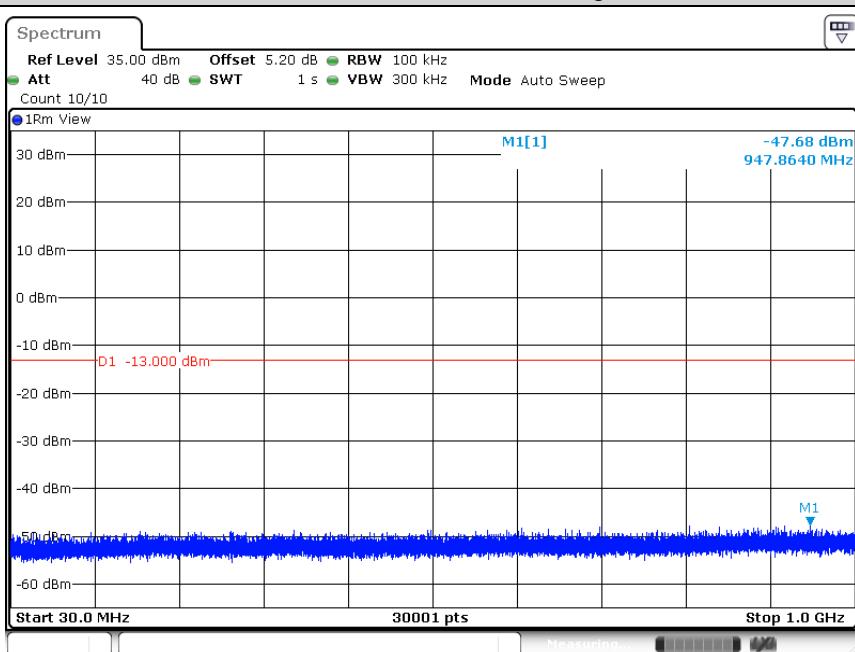
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Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz



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



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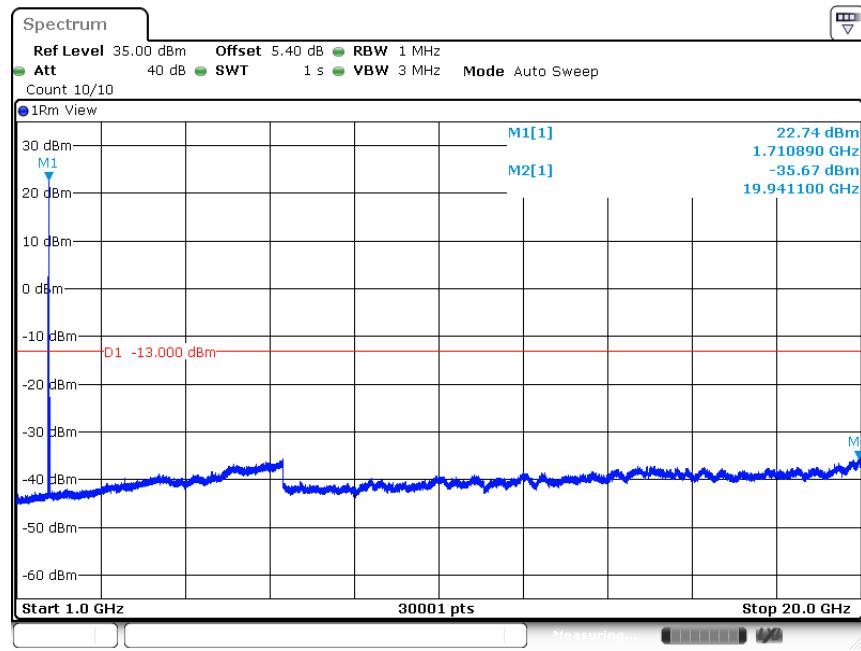
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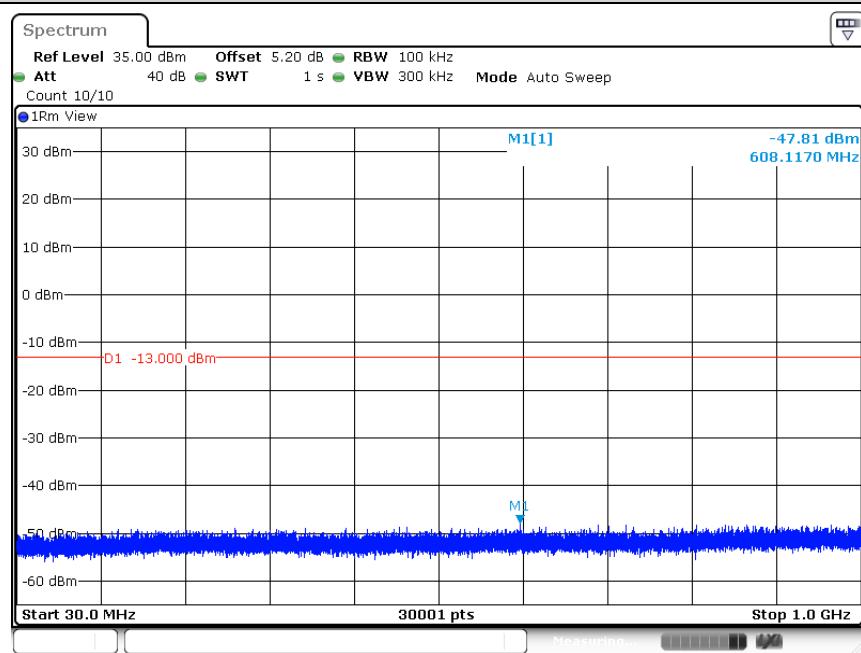
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Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz



Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



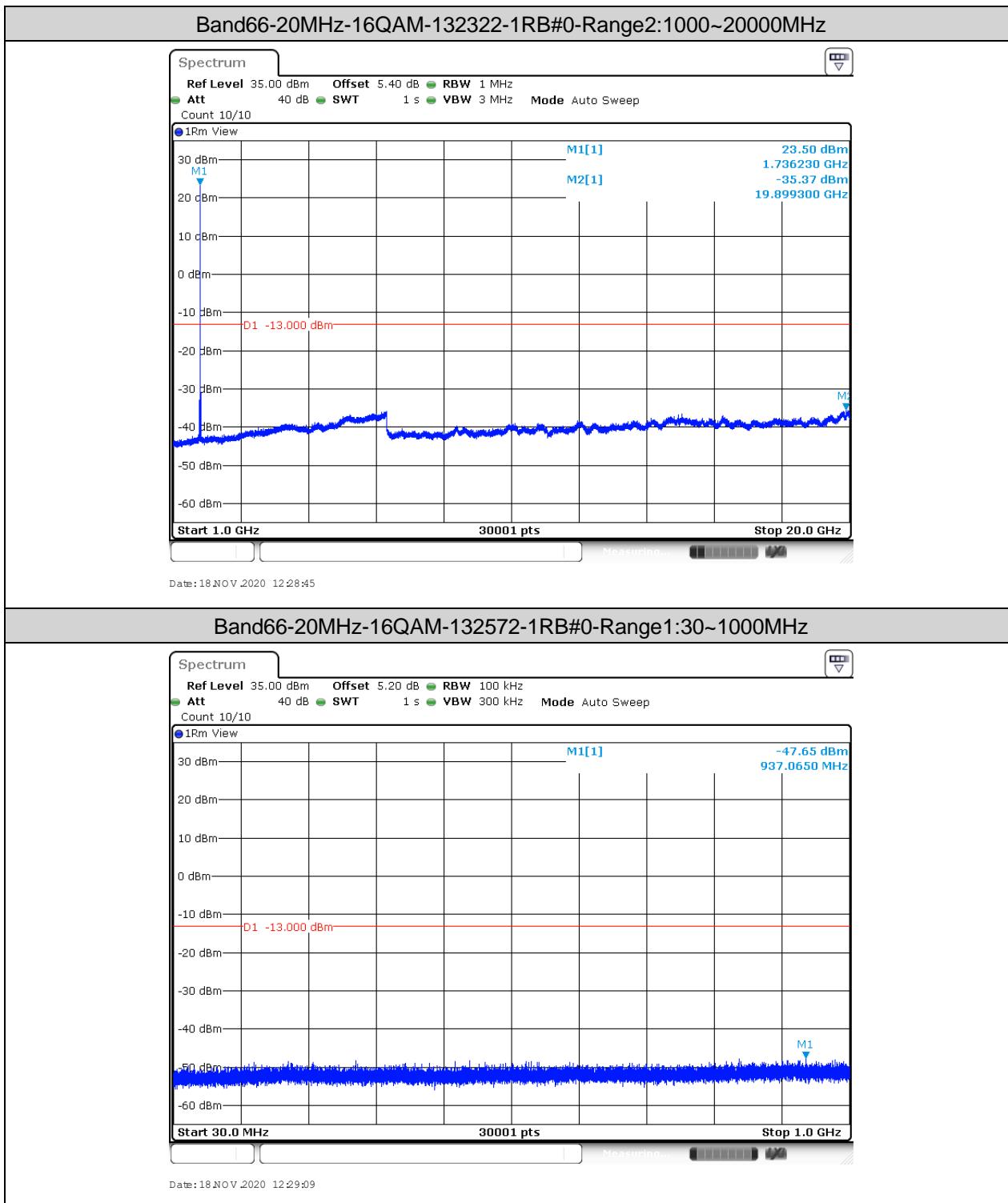
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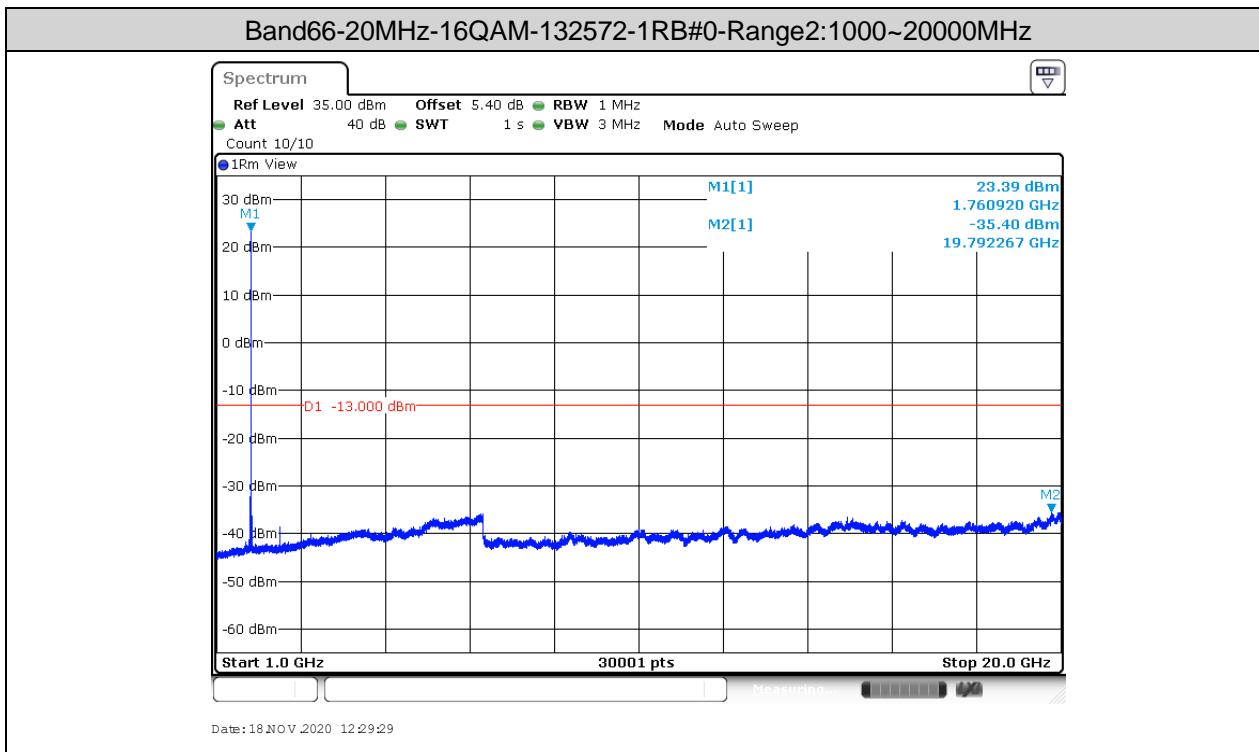
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7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 20MHz

7.1.1 Test Channel = LCH

Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
46.4908	-57.46	-13.00	44.46	296	257	Horizontal
119.2930	-67.59	-13.00	54.59	323	289	Horizontal
237.4449	-66.38	-13.00	53.38	118	352	Horizontal
3422.0141	-46.00	-13.00	33.00	268	257	Horizontal
7478.1493	-56.63	-13.00	43.63	177	98	Horizontal
16397.9466	-44.41	-13.00	31.41	252	226	Horizontal
51.2926	-57.89	-13.00	44.89	222	257	Vertical
118.7594	-61.26	-13.00	48.26	151	352	Vertical
527.2469	-66.04	-13.00	53.04	169	352	Vertical
3422.0141	-44.76	-13.00	31.76	138	352	Vertical
5133.5711	-55.90	-13.00	42.90	111	67	Vertical
17995.4999	-41.00	-13.00	28.00	254	99	Vertical

7.1.2 Test Channel = MCH

Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
45.9573	-57.64	-13.00	44.64	263	257	Horizontal
120.9420	-66.18	-13.00	53.18	222	289	Horizontal
245.9813	-66.36	-13.00	53.36	184	320	Horizontal
3472.5158	-45.43	-13.00	32.43	166	98	Horizontal
5208.0736	-45.01	-13.00	32.01	138	352	Horizontal
16403.9468	-44.50	-13.00	31.50	141	162	Horizontal
47.7034	-57.79	-13.00	44.79	222	99	Vertical
117.4014	-60.75	-13.00	47.75	206	352	Vertical
677.3619	-62.25	-13.00	49.25	108	257	Vertical
3472.0157	-41.89	-13.00	28.89	112	352	Vertical
5208.0736	-52.27	-13.00	39.27	306	67	Vertical
17999.5000	-40.85	-13.00	27.85	255	257	Vertical

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7.1.3 Test Channel = HCH

Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
47.1699	-57.88	-13.00	44.88	171	225	Horizontal
239.3365	-66.30	-13.00	53.30	152	289	Horizontal
2697.9396	-35.83	-13.00	22.83	169	41	Horizontal
3502.5168	-40.92	-13.00	27.92	133	98	Horizontal
5253.0751	-55.59	-13.00	42.59	282	225	Horizontal
16390.9464	-44.30	-13.00	31.30	263	35	Horizontal
48.5279	-57.83	-13.00	44.83	222	4	Vertical
116.1888	-60.53	-13.00	47.53	189	43	Vertical
2719.9440	-37.01	-13.00	24.01	162	157	Vertical
3502.0167	-41.95	-13.00	28.95	171	305	Vertical
5253.0751	-56.21	-13.00	43.21	245	75	Vertical
17997.4999	-40.97	-13.00	27.97	288	4	Vertical

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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8 Frequency Stability

8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Volta ge [Vdc]	Temper ature (°C)				
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	2.90	0.001686	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-1.20	-0.000698	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	2.90	0.001686	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-5.90	-0.003381	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-8.90	-0.005100	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.20	-0.000688	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	3.60	0.002034	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	4.30	0.002429	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	0.10	0.000056	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	VL	NT	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	VN	NT	2.60	0.001512	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	VH	NT	1.10	0.000640	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	VL	NT	-7.30	-0.004183	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	VN	NT	-0.20	-0.000115	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	VH	NT	-2.30	-0.001318	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	VL	NT	5.40	0.003051	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	VN	NT	-0.90	-0.000508	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	VH	NT	9.90	0.005593	±2.5	PASS

8.2 Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Volta ge [Vdc]	Temper ature (°C)				
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	-2.20	-0.001279	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-1.30	-0.000756	±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	-1.00	-0.000581	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	3.40	0.001977	±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	7.50	0.004360	±2.5	PASS

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Band66	20MHz	QPSK	132072	100RB#0	NV	40	-2.30	-0.001337	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	2.70	0.001570	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-1.10	-0.000630	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-5.50	-0.003152	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-6.20	-0.003553	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-4.80	-0.002751	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-1.80	-0.001032	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-3.50	-0.002006	±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	-4.20	-0.002407	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-2.90	-0.001662	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	0.50	0.000282	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	5.90	0.003333	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	5.30	0.002994	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	3.30	0.001864	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	3.10	0.001751	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	6.70	0.003785	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	5.50	0.003107	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	1.00	0.000565	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	-1.90	-0.001073	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	-30	0.74	0.000430	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	-20	-2.50	-0.001453	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	-10	3.00	0.001744	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	0	-0.10	-0.000058	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	10	0.30	0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	20	-3.30	-0.001919	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	30	2.20	0.001279	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	40	5.30	0.003081	±2.5	PASS
Band66	20MHz	16QAM	132072	27RB#0	NV	50	0.10	0.000058	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	-30	-6.30	-0.003610	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	-20	-6.70	-0.003840	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	-10	-1.80	-0.001032	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	0	2.40	0.001375	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	10	-3.20	-0.001834	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	20	-3.40	-0.001948	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	30	-3.80	-0.002178	±2.5	PASS
Band66	20MHz	16QAM	132322	27RB#0	NV	40	-3.00	-0.001719	±2.5	PASS

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Band66	20MHz	16QAM	132322	27RB#0	NV	50	3.70	0.002120	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	-30	-1.00	-0.000565	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	-20	3.00	0.001695	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	-10	2.30	0.001299	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	0	11.10	0.006271	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	10	1.70	0.000960	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	20	3.70	0.002090	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	30	0.70	0.000395	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	40	2.40	0.001356	±2.5	PASS
Band66	20MHz	16QAM	132572	27RB#0	NV	50	1.10	0.000621	±2.5	PASS

The End

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