

Appendix B

E-UTRA BAND 66

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1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.35	18.65	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.42	18.72	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.30	18.60	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.32	18.62	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.50	18.80	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.45	18.75	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.35	17.65	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.32	18.62	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.33	18.63	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.43	18.73	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.38	18.68	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.43	18.73	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.47	18.77	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.22	17.52	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.14	18.44	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.14	18.44	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.27	18.57	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.29	18.59	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.40	18.70	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.39	18.69	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.26	17.56	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.75	17.05	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.95	17.25	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.72	17.02	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.75	18.05	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.64	17.94	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.51	17.81	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.38	16.68	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.84	17.14	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.03	17.33	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.74	17.04	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.37	17.67	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.53	17.83	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.21	17.51	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.51	16.81	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.82	17.12	30.00	PASS



Band66	1.4MHz	16QAM	132665	1RB#2	22.06	17.36	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.70	17.00	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.37	17.67	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.54	17.84	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.27	17.57	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.44	16.74	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.38	18.68	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.16	18.46	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.33	18.63	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.38	17.68	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.46	17.76	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.34	17.64	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.44	17.74	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.44	18.74	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.50	18.80	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.35	18.65	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.21	17.51	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.34	17.64	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.30	17.60	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.28	17.58	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.19	18.49	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.15	18.45	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.05	18.35	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.16	17.46	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.24	17.54	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.22	17.52	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.23	17.53	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.80	17.10	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.85	17.15	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.69	16.99	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.53	16.83	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.67	16.97	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.31	16.61	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.34	16.64	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.74	17.04	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.88	17.18	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.92	17.22	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.25	16.55	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.33	16.63	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.37	16.67	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.46	16.76	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.71	17.01	30.00	PASS



Band66	3MHz	16QAM	132657	1RB#8	21.82	17.12	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.83	17.13	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.05	16.35	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.21	16.51	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.48	16.78	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.31	16.61	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.27	18.57	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.30	18.60	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.10	18.40	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.49	17.79	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.28	17.58	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.35	17.65	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.40	17.70	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.23	18.53	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.49	18.79	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.43	18.73	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.83	18.13	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.40	17.70	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.35	17.65	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.28	17.58	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.02	18.32	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.14	18.44	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.07	18.37	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.18	17.48	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.31	17.61	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.30	17.60	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.17	17.47	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.98	17.28	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.52	17.82	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.62	16.92	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.26	16.56	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.29	16.59	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.13	16.43	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.42	16.72	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.87	17.17	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.36	17.66	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.90	17.20	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.34	16.64	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.32	16.62	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.25	16.55	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.28	16.58	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.73	17.03	30.00	PASS



Band66	5MHz	16QAM	132647	1RB#12	22.21	17.51	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.69	16.99	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.29	16.59	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.33	16.63	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.91	16.21	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.29	16.59	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.37	18.67	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.79	19.09	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.03	18.33	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.67	17.97	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.48	17.78	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.29	17.59	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.42	17.72	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.19	18.49	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.99	19.29	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.07	18.37	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.46	17.76	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.65	17.95	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.32	17.62	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.29	17.59	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.95	18.25	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.80	19.10	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.94	18.24	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.40	17.70	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.43	17.73	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.15	17.45	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.15	17.45	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.09	17.39	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.75	17.05	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.75	17.05	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.54	16.84	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.39	16.69	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.22	16.52	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.32	16.62	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.27	17.57	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.88	17.18	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.85	17.15	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.40	16.70	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.86	17.16	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.31	16.61	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.41	16.71	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.84	17.14	30.00	PASS



Band66	10MHz	16QAM	132622	1RB#24	21.88	17.18	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.05	17.35	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.29	16.59	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.27	16.57	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.29	16.59	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.16	16.46	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.52	18.82	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.74	19.04	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.71	18.01	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.50	17.80	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.59	17.89	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.38	17.68	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.34	17.64	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.29	18.59	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.22	18.52	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.14	18.44	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.35	17.65	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.56	17.86	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	22.33	17.63	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.28	17.58	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.13	18.43	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.54	18.84	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.66	17.96	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.52	17.82	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.37	17.67	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.06	17.36	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.31	17.61	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.78	17.08	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.25	17.55	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.72	17.02	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.41	16.71	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.49	16.79	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.31	16.61	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.43	16.73	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.88	17.18	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.88	17.18	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.92	17.22	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.41	16.71	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.31	16.61	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.44	16.74	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.39	16.69	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.54	16.84	30.00	PASS



Band66	15MHz	16QAM	132597	1RB#38	22.14	17.44	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.80	17.10	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.40	16.70	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.26	16.56	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.18	16.48	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.25	16.55	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.05	18.35	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.97	19.27	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.25	18.55	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.53	17.83	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.75	18.05	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.39	17.69	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.43	17.73	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.12	18.42	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.13	18.43	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.99	18.29	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.32	17.62	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.57	17.87	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.39	17.69	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.33	17.63	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.08	18.38	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.62	18.92	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.67	17.97	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.65	17.95	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.22	17.52	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.13	17.43	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.33	17.63	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.76	17.06	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.90	17.20	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.71	17.01	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.30	16.60	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.31	16.61	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.33	16.63	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.41	16.71	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.90	17.20	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.44	17.74	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.31	17.61	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.40	16.70	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.27	16.57	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.39	16.69	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.46	16.76	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.61	16.91	30.00	PASS

Band66	20MHz	16QAM	132572	1RB#49	22.00	17.30	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.76	17.06	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.21	16.51	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.31	16.61	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.36	16.66	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.19	16.49	30.00	PASS

Remark:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBD]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

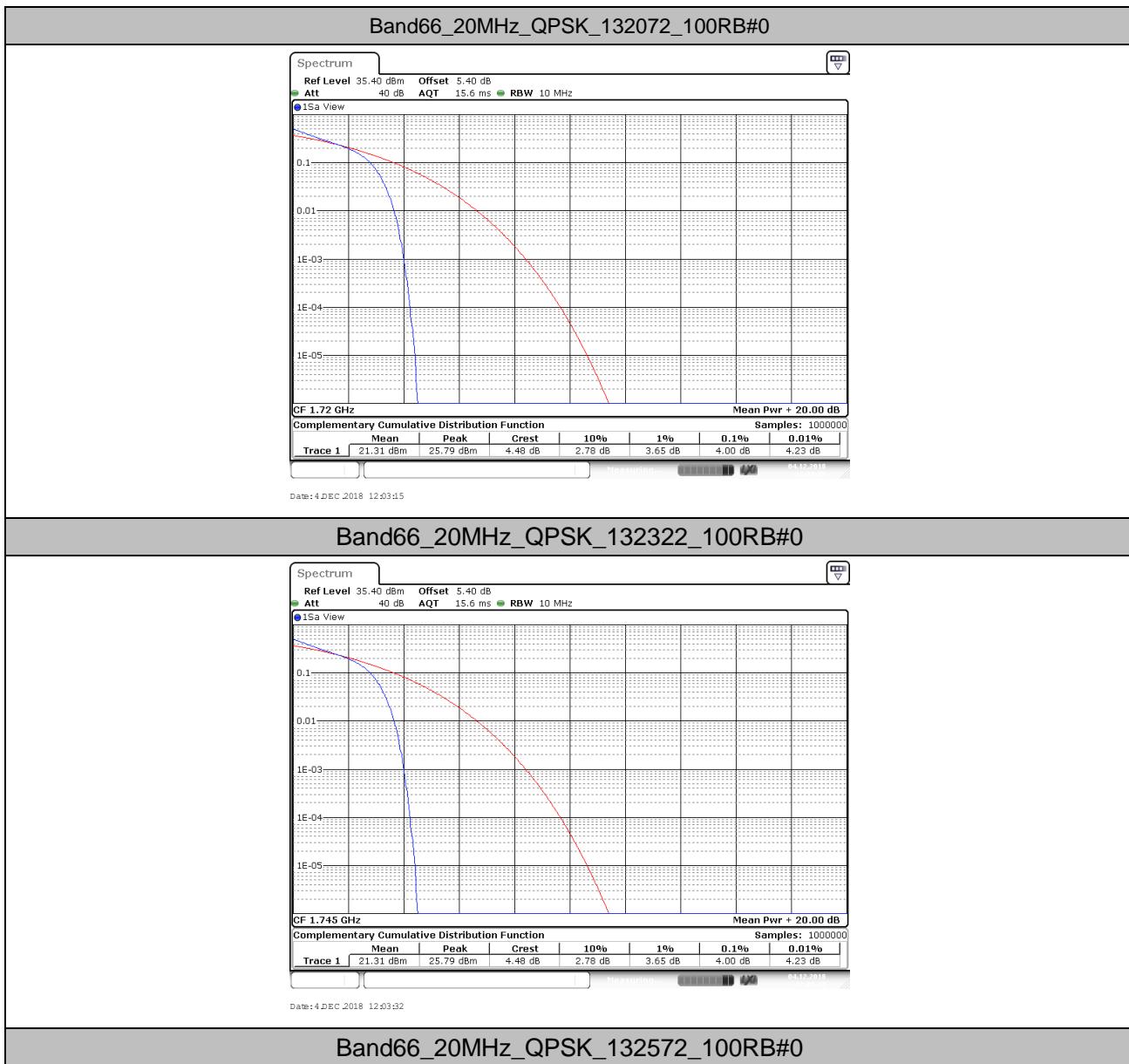
b: SGP=Signal Generator Level

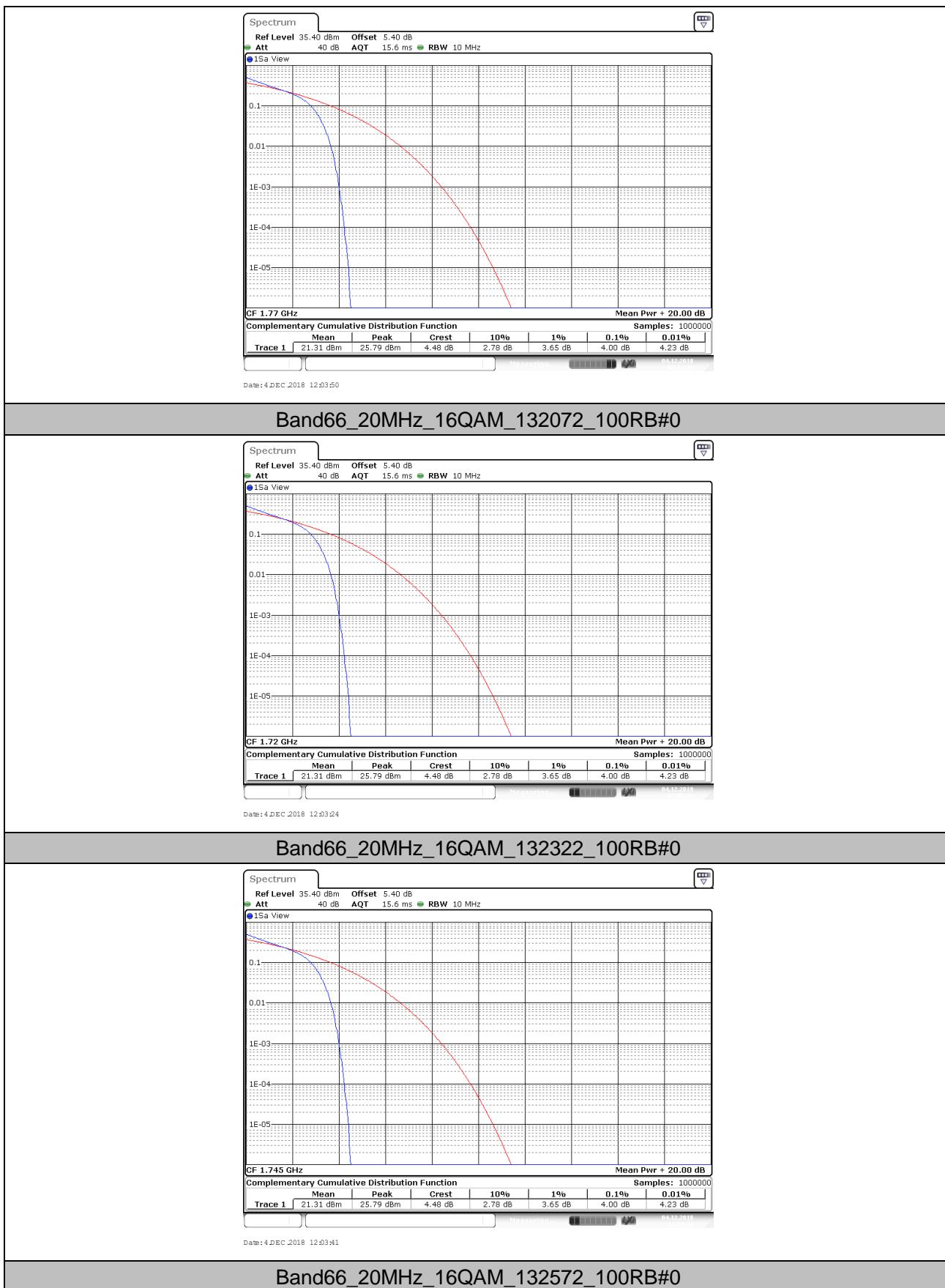
2. Peak-to-Average Ratio(CCDF)

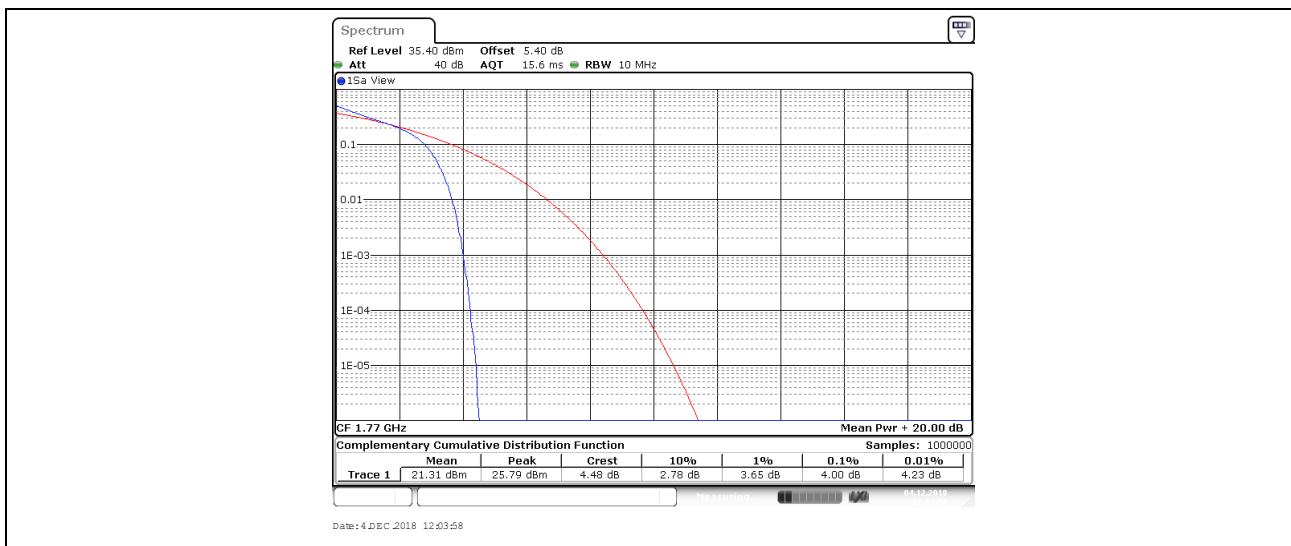
2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	4.00	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.00	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.00	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	4.00	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	4.00	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	4.00	13	PASS

2.2. Test Plots





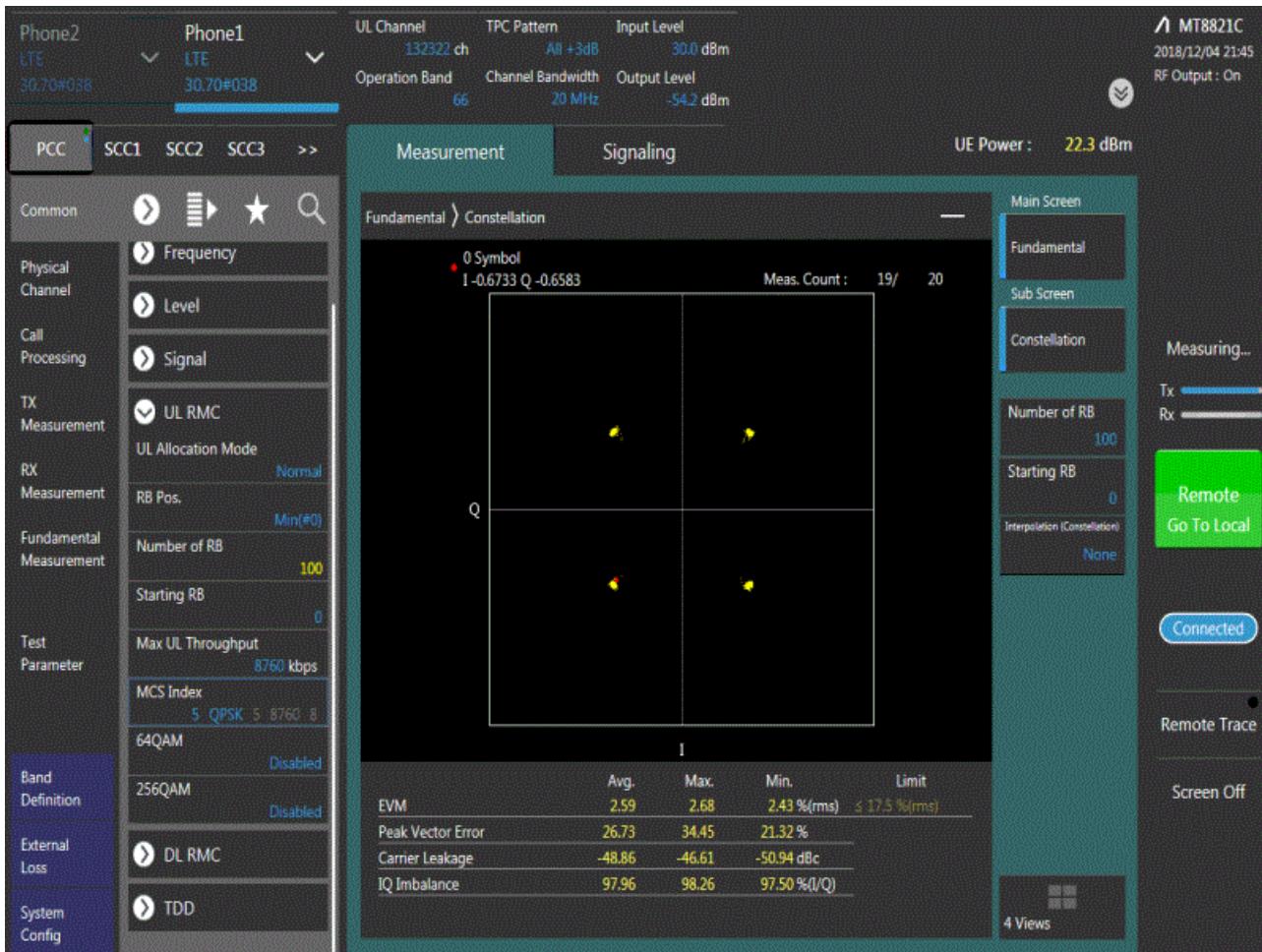


3. Modulation Characteristics

3.1. Test BAND = LTE BAND 66

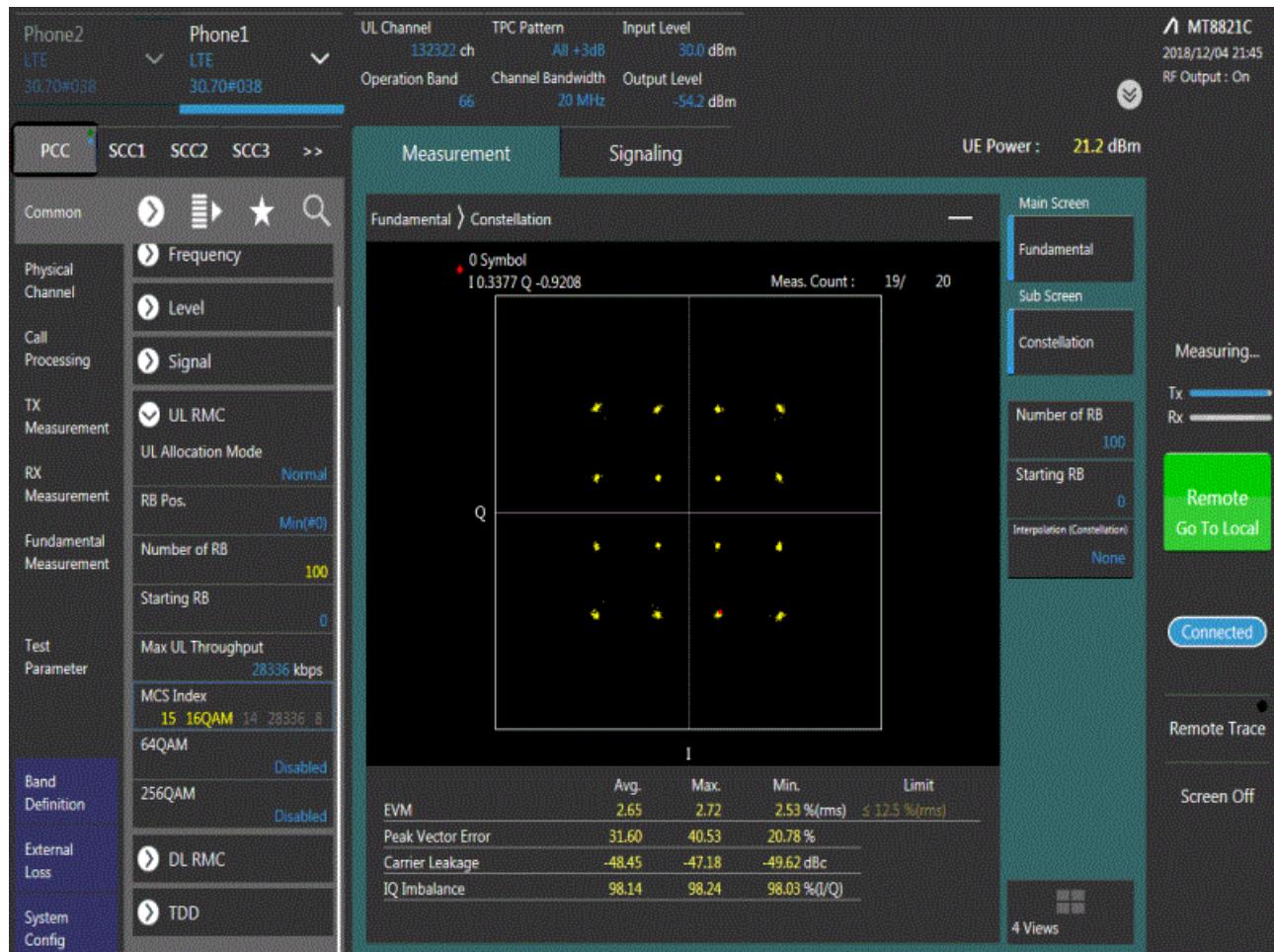
3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



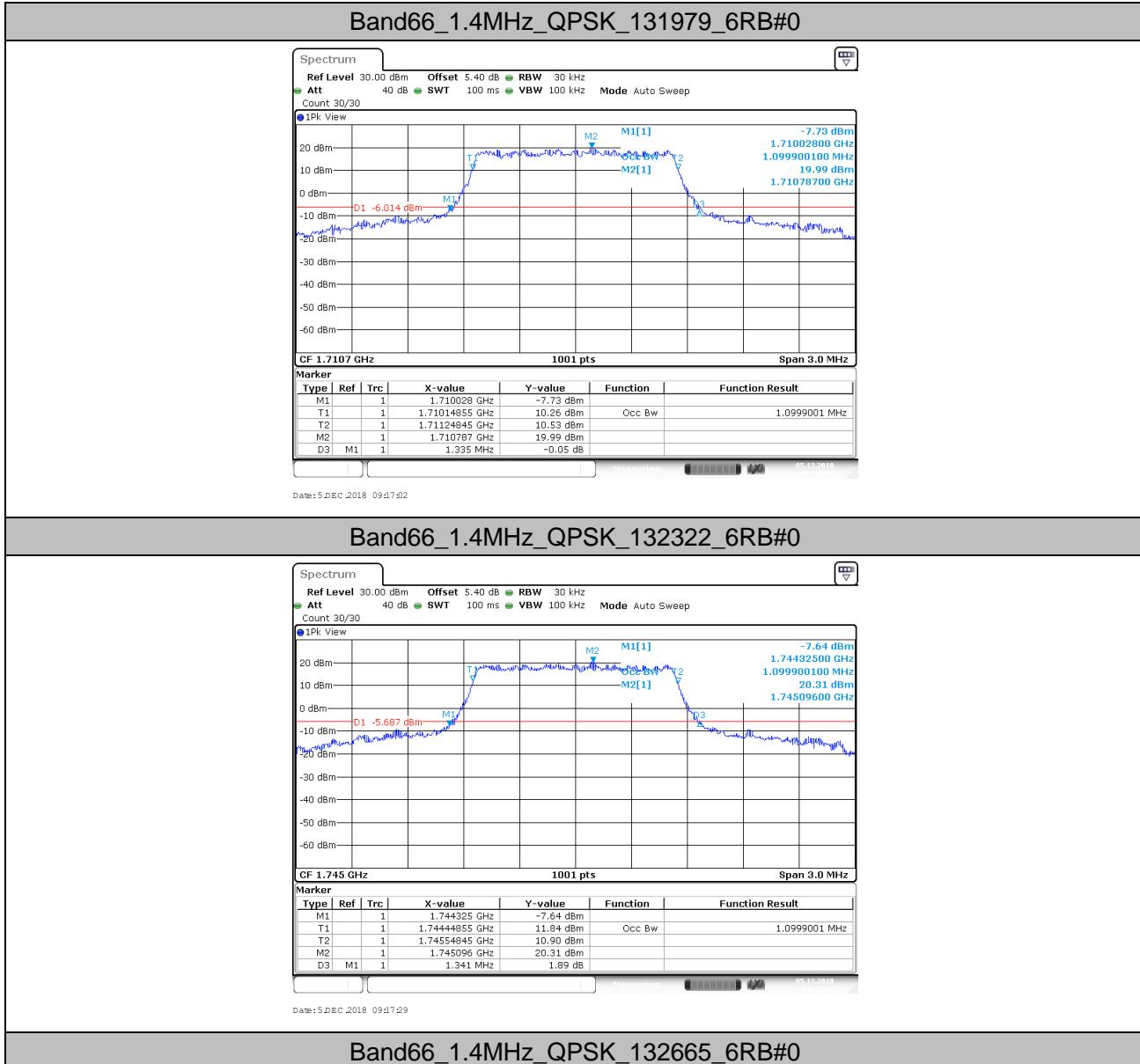
4. 26dB Bandwidth and Occupied Bandwidth

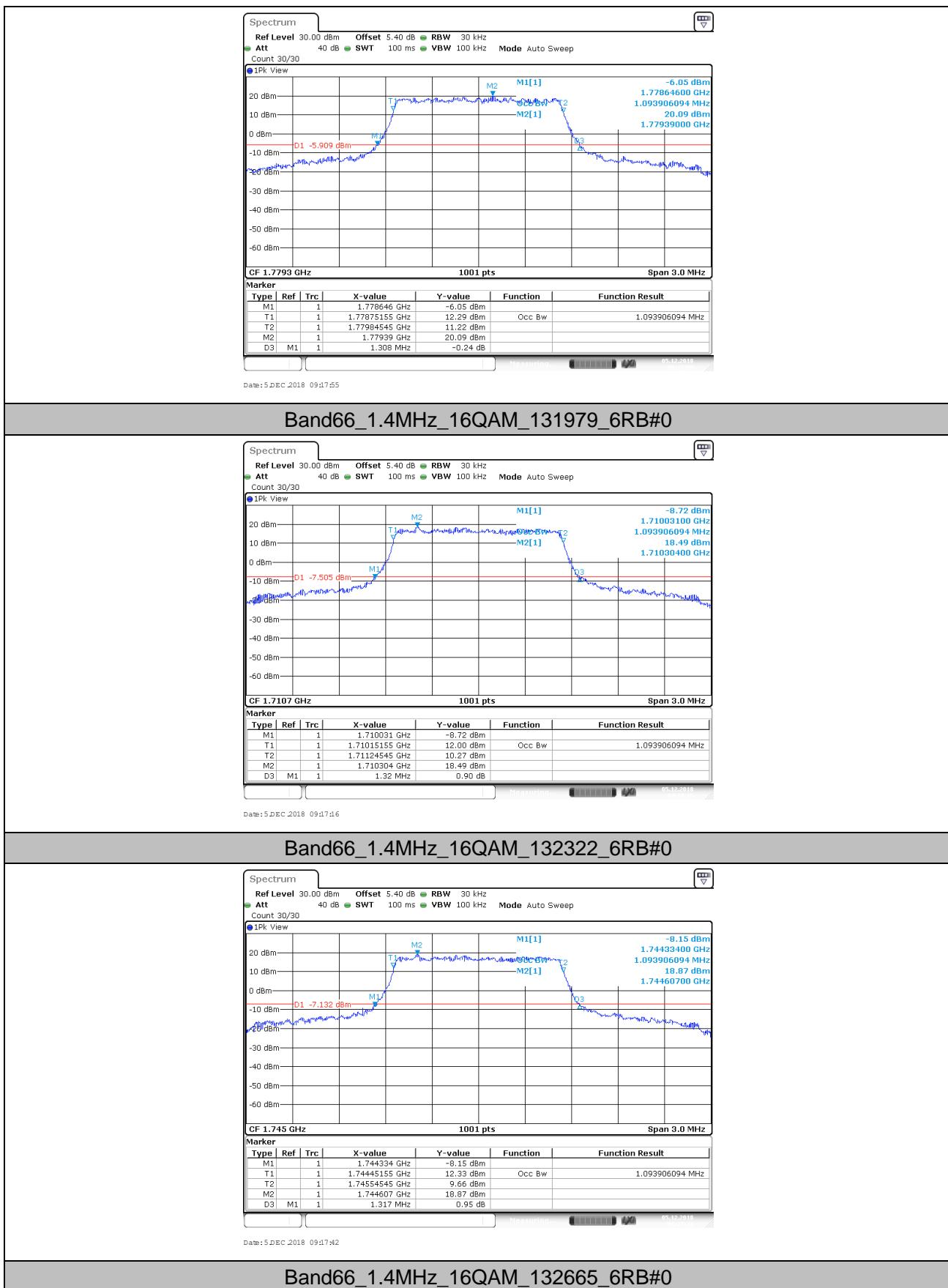
4.1. Test Result

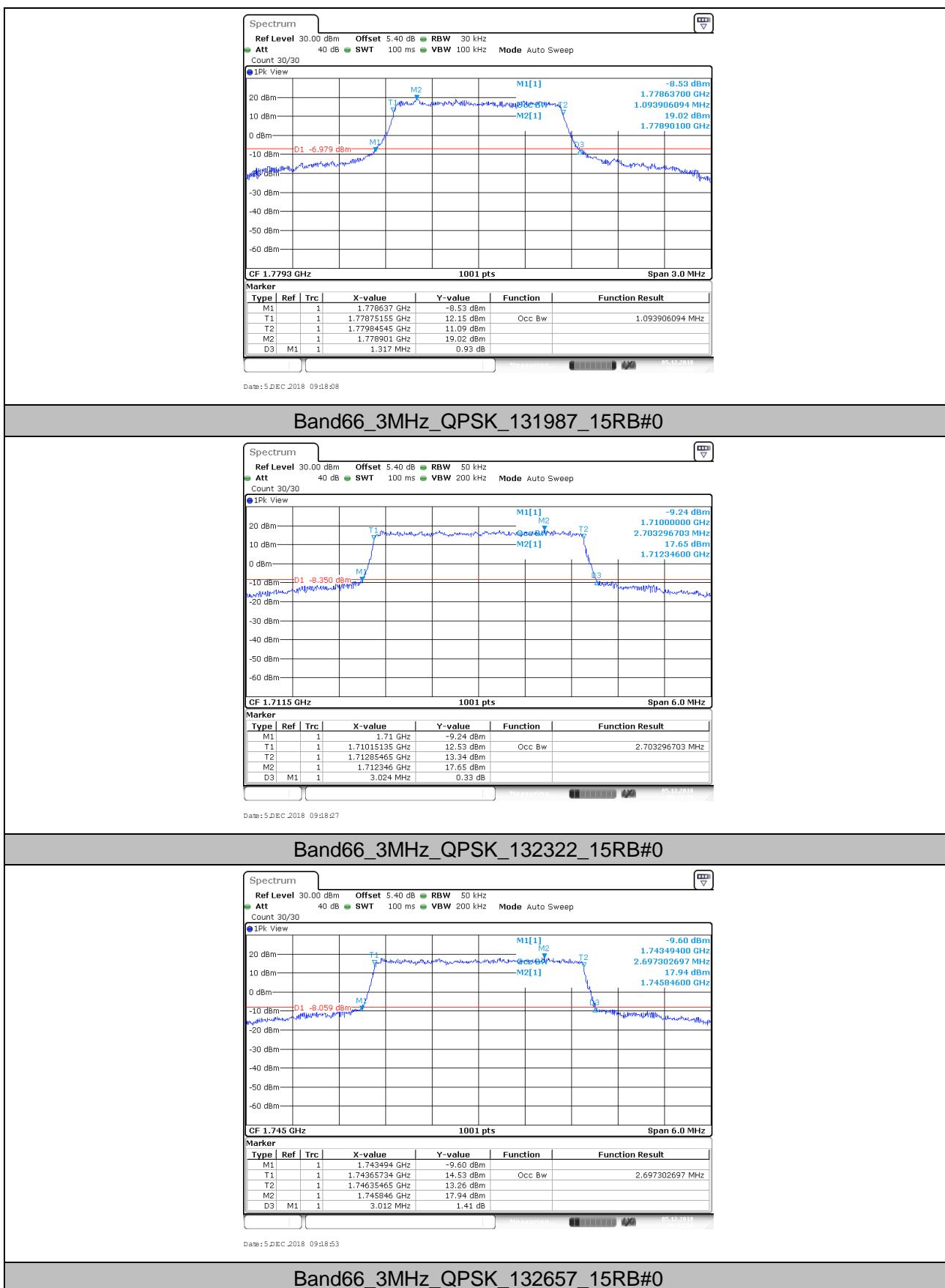
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.1	1.335	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.1	1.341	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.308	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.094	1.320	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.094	1.317	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.094	1.317	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.703	3.024	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.697	3.012	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.703	3.012	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.691	2.982	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.691	2.988	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.691	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	5.010	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.020	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	4.970	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.496	4.990	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	4.980	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	4.990	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.700	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.740	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.931	9.680	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.911	9.780	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.911	9.760	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.760	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.397	14.730	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.760	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.427	14.730	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.427	14.790	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.360	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.862	19.400	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.862	19.440	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.862	19.320	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.822	19.440	PASS

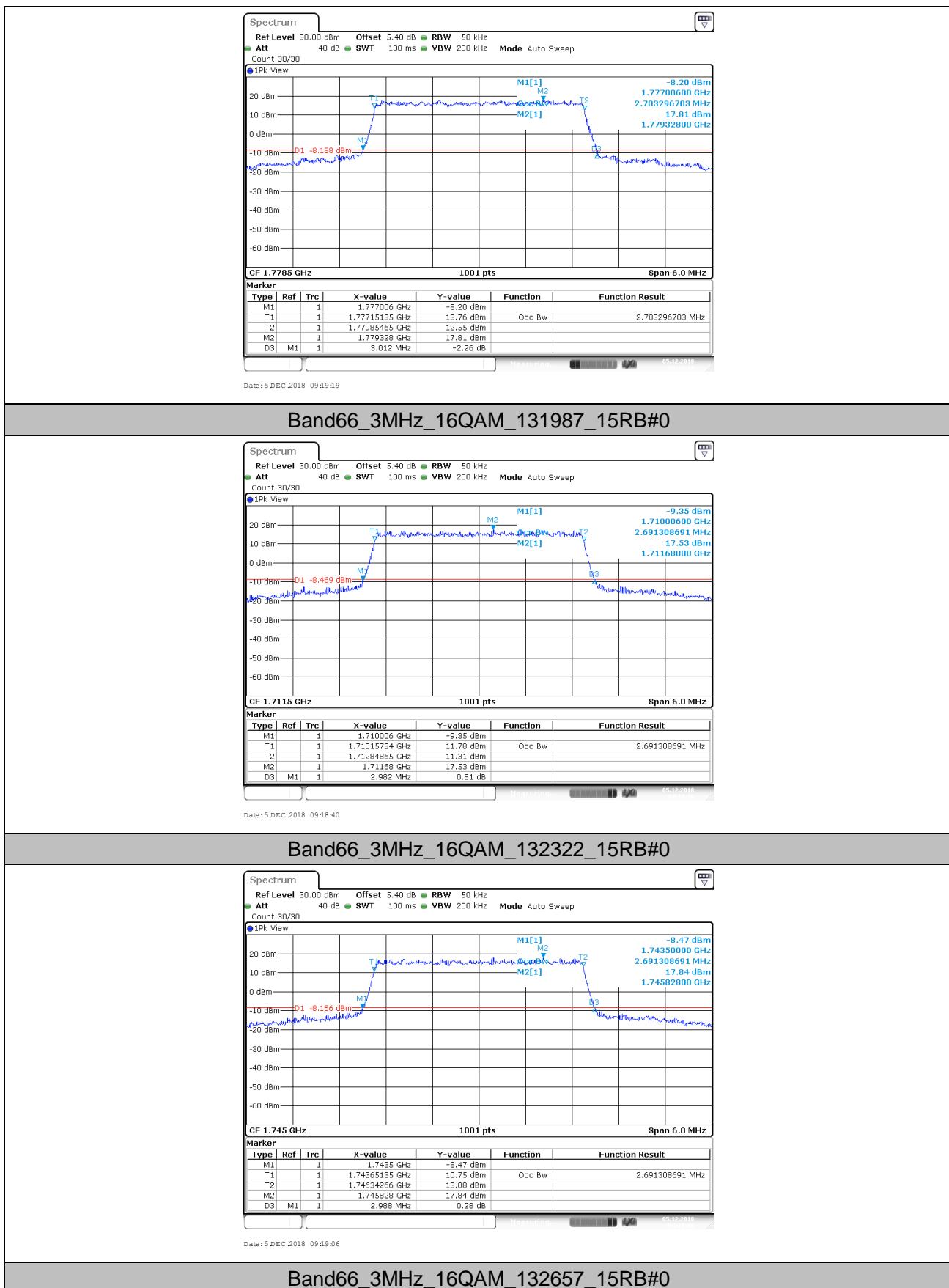
Band66	20MHz	16QAM	132572	100RB#0	17.862	19.320	PASS
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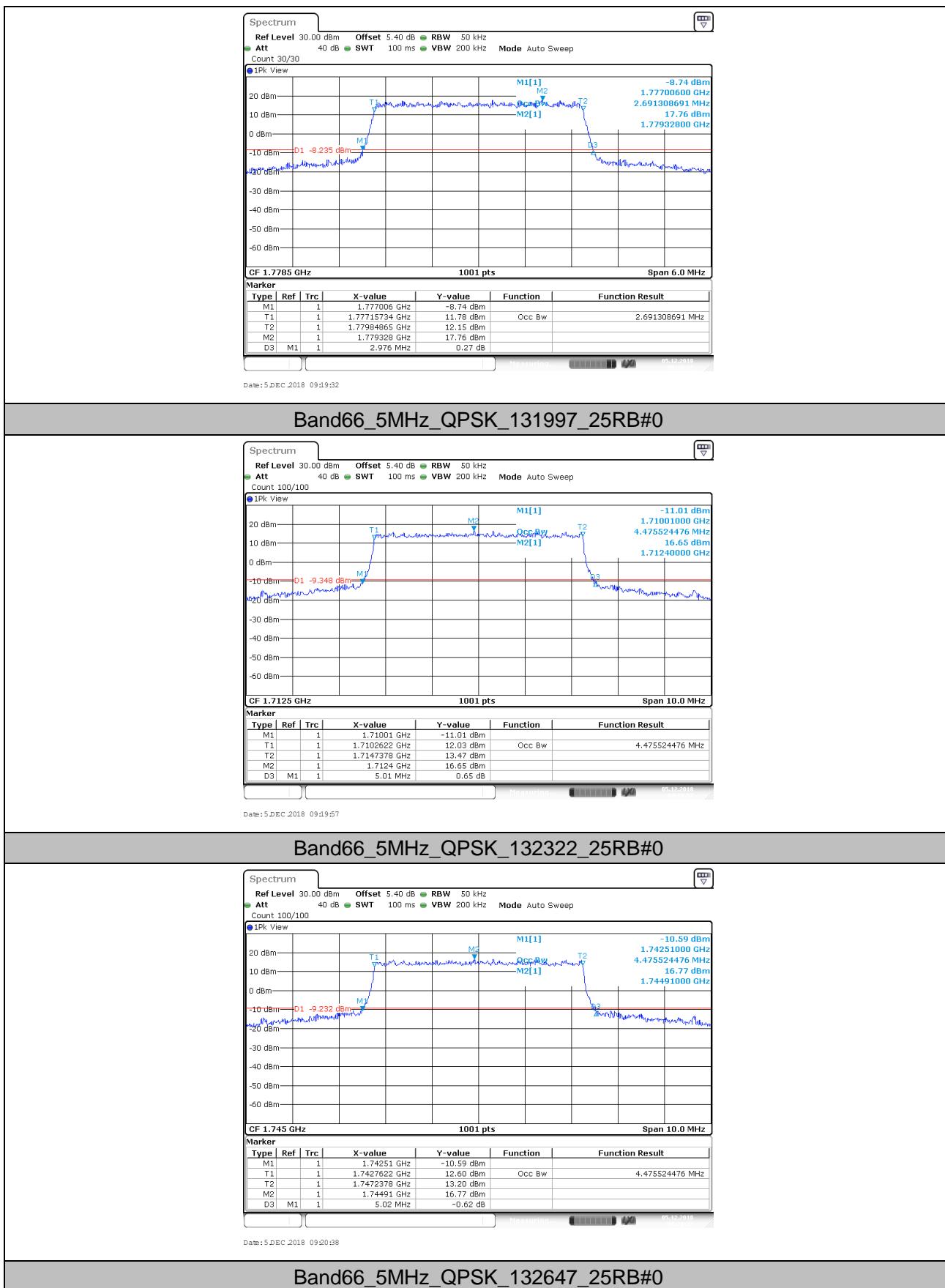
4.2. Test Plots

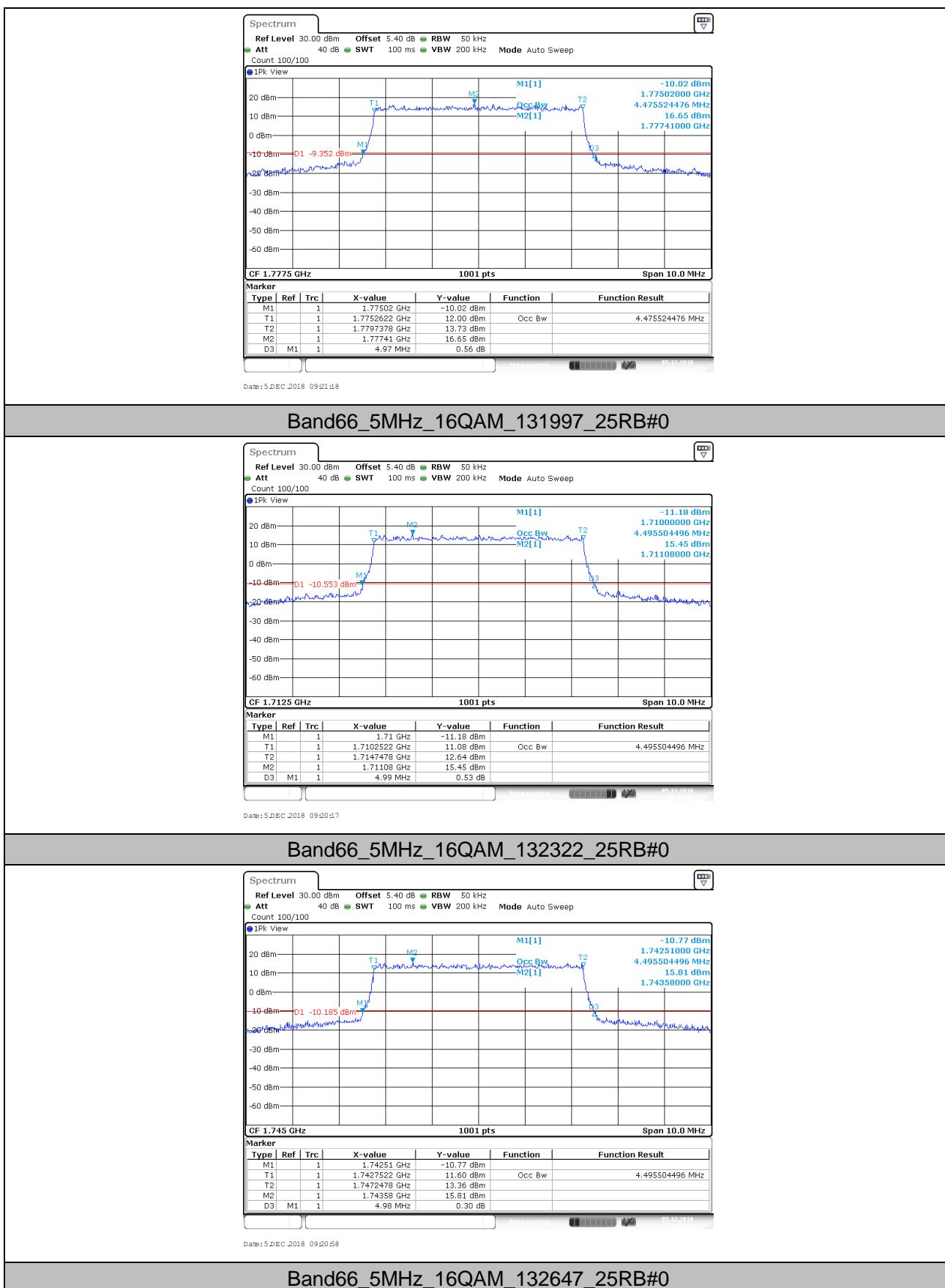


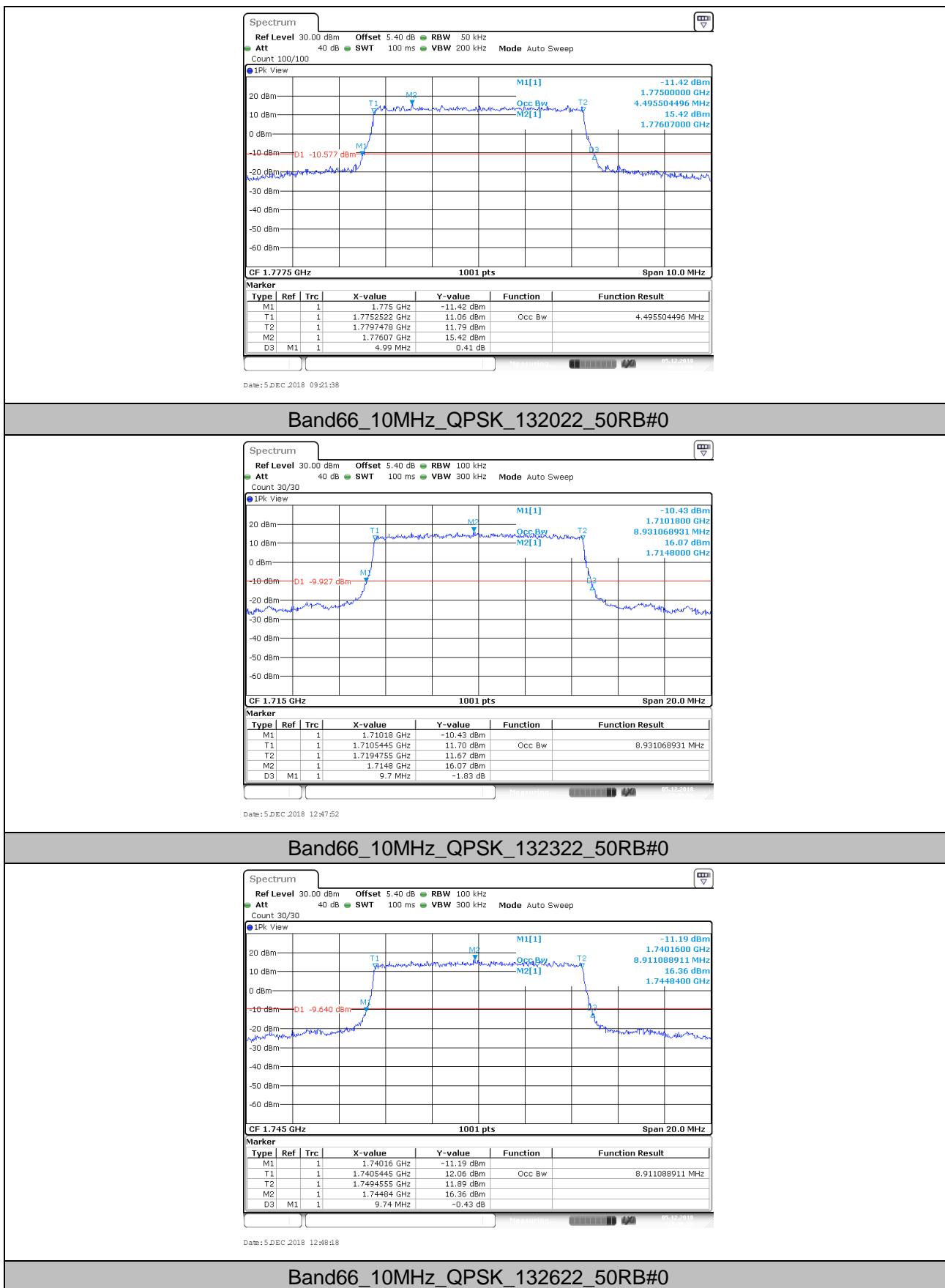


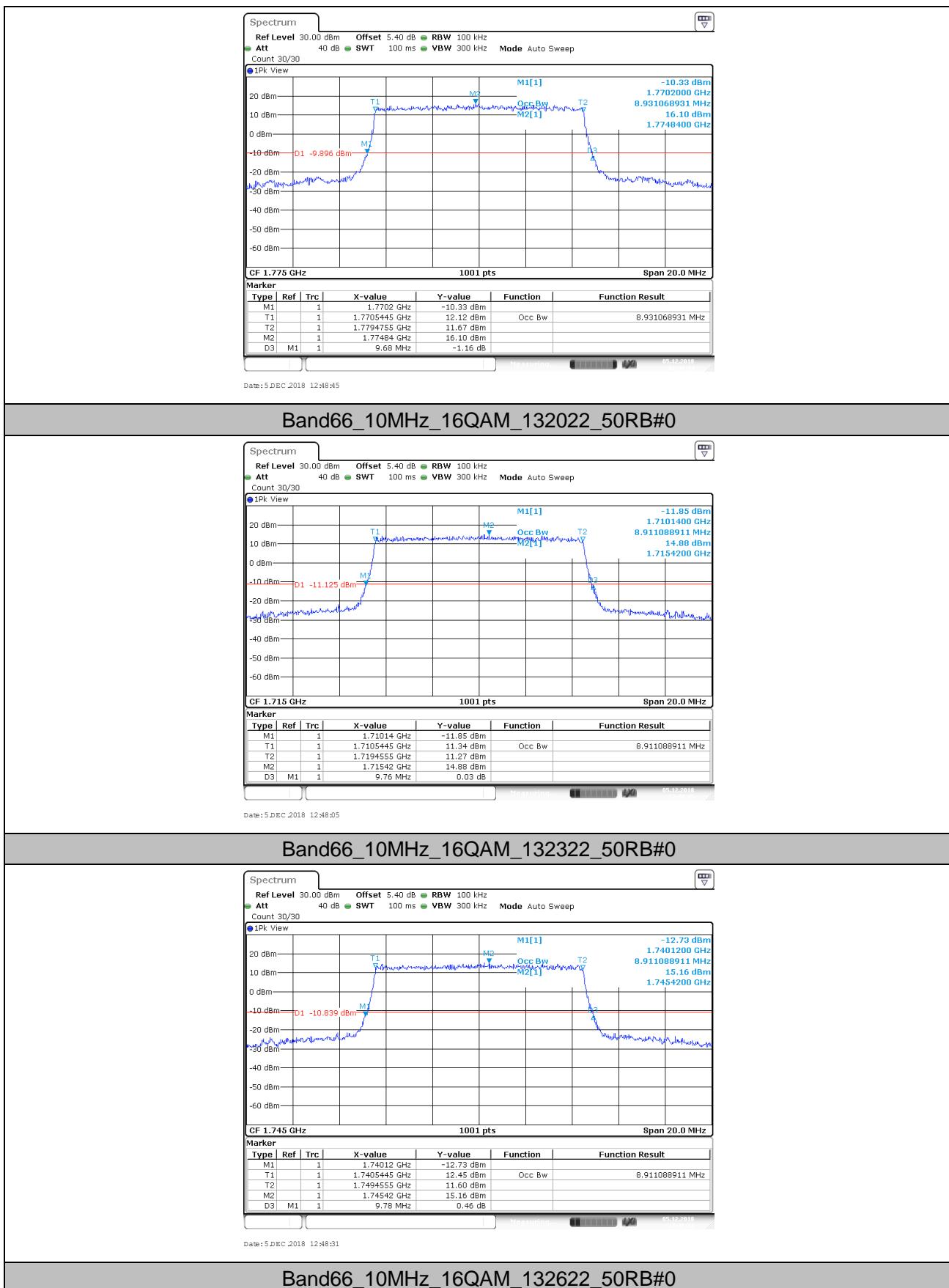


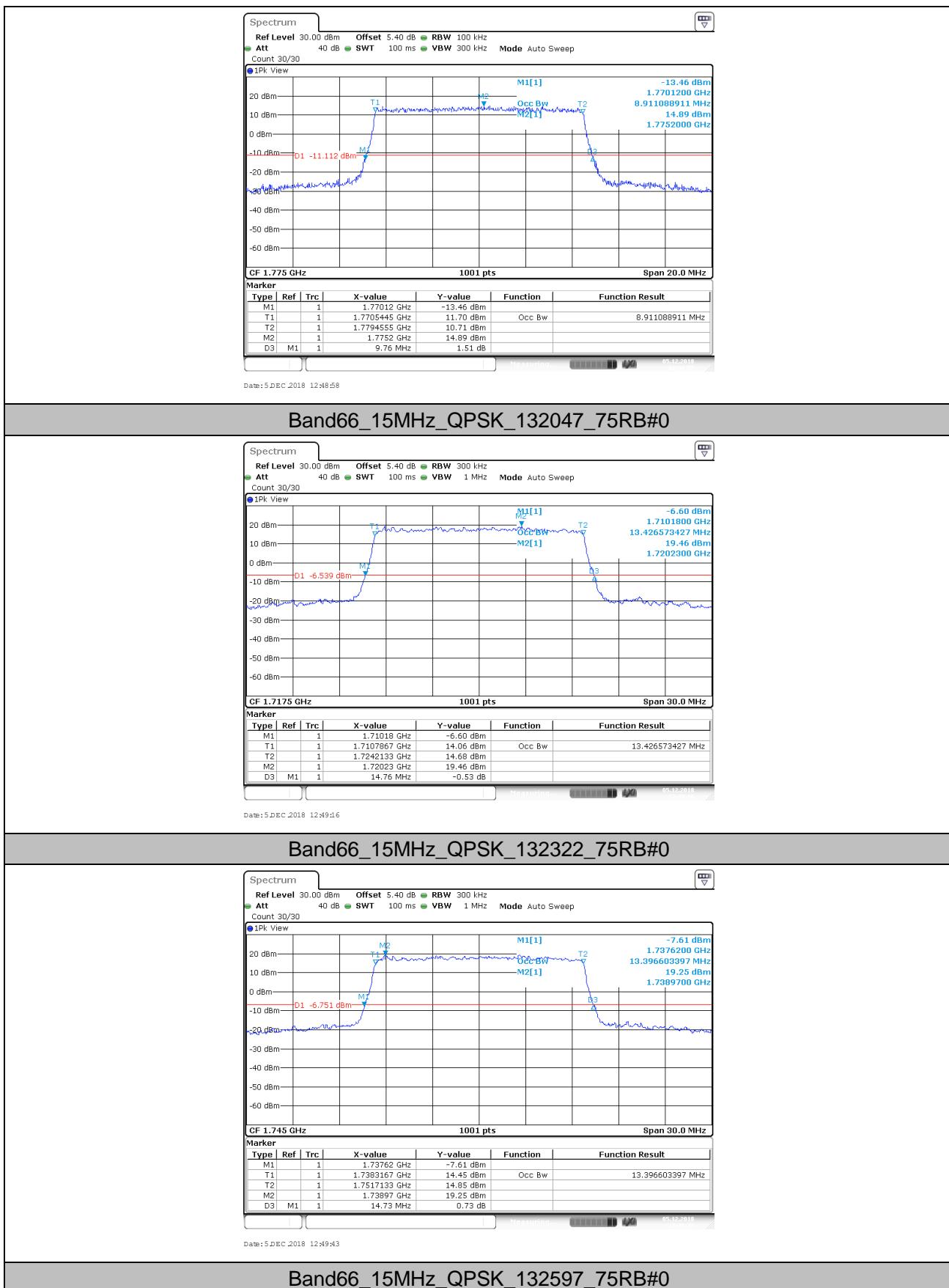


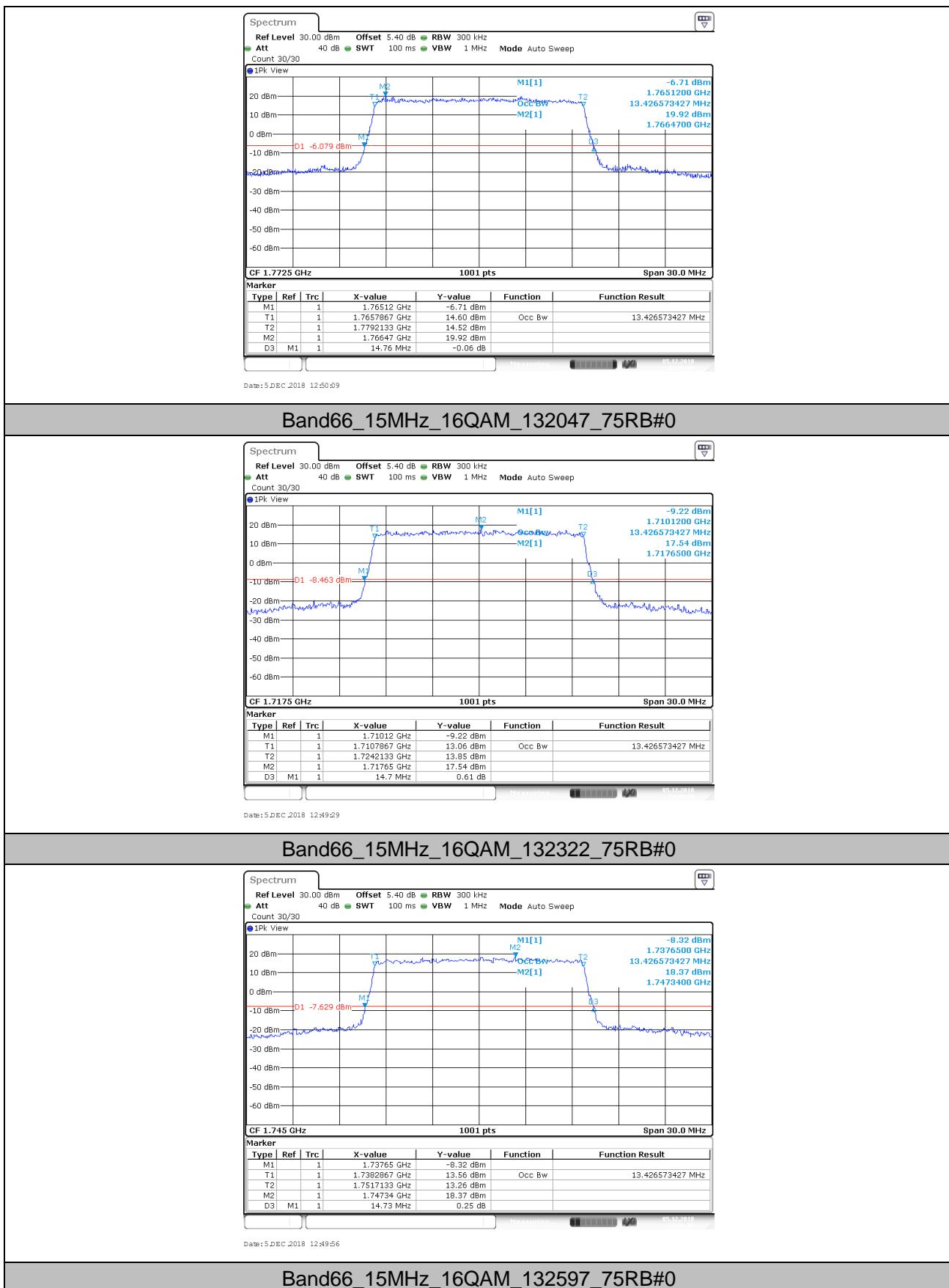


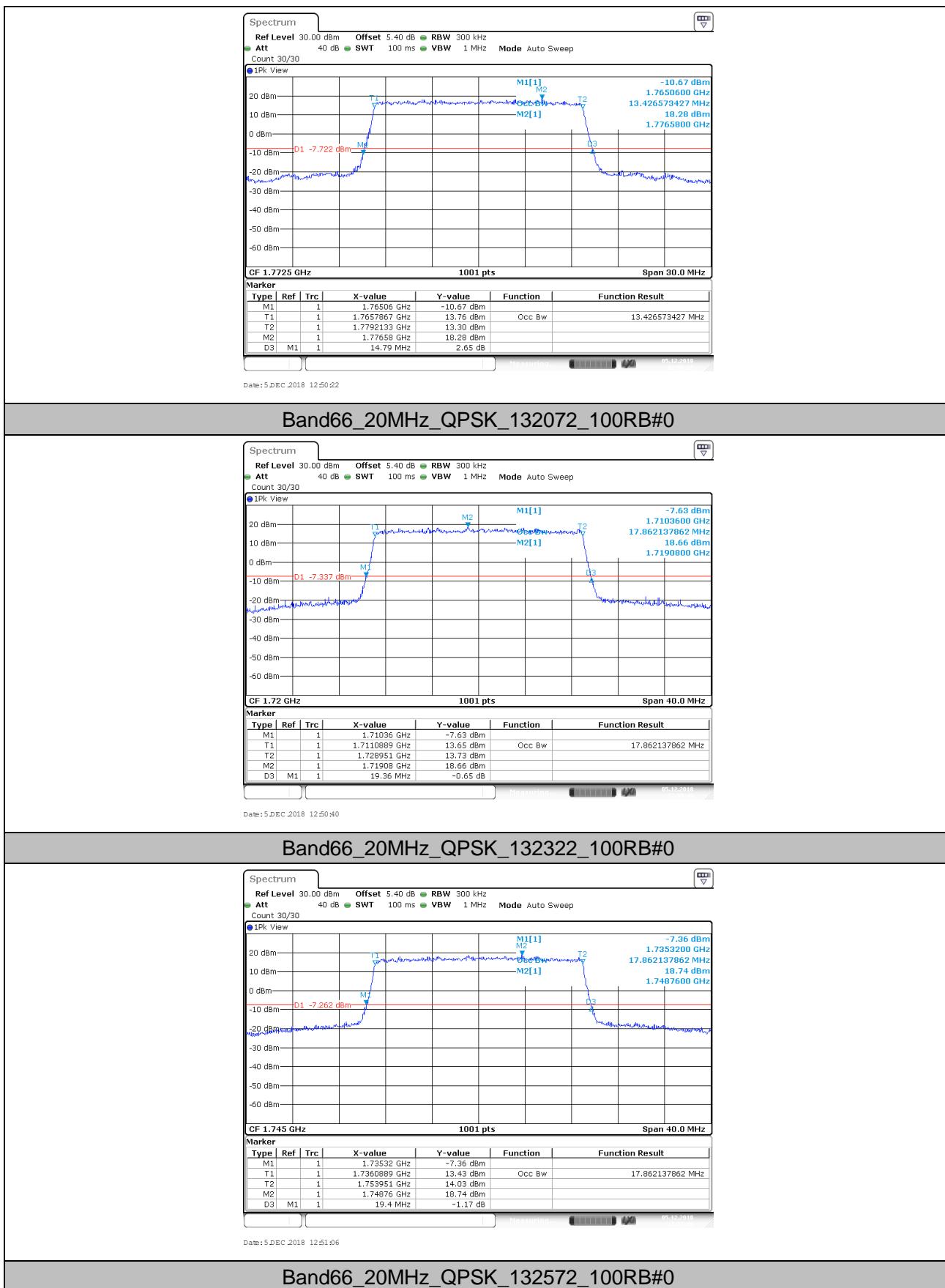


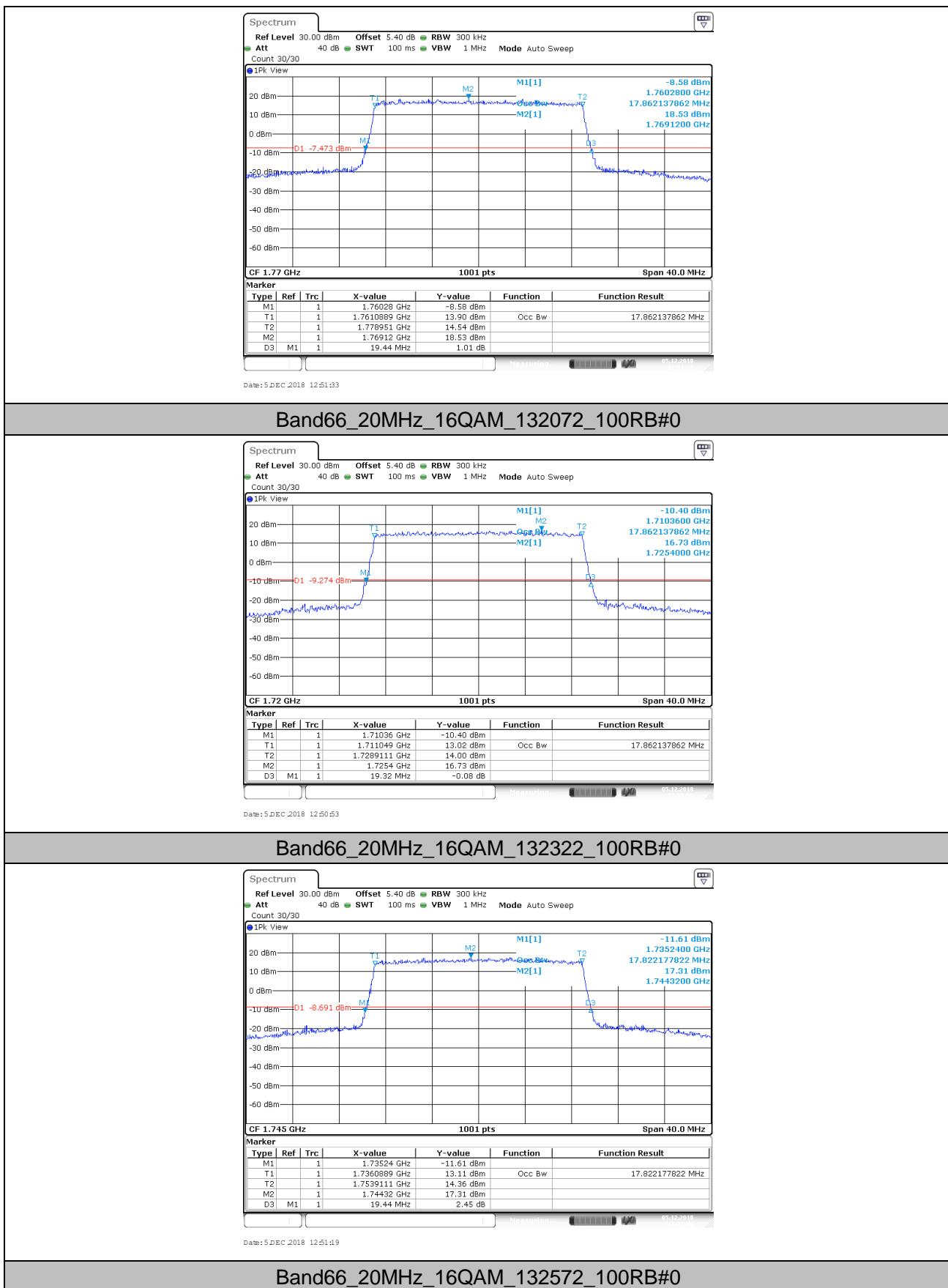


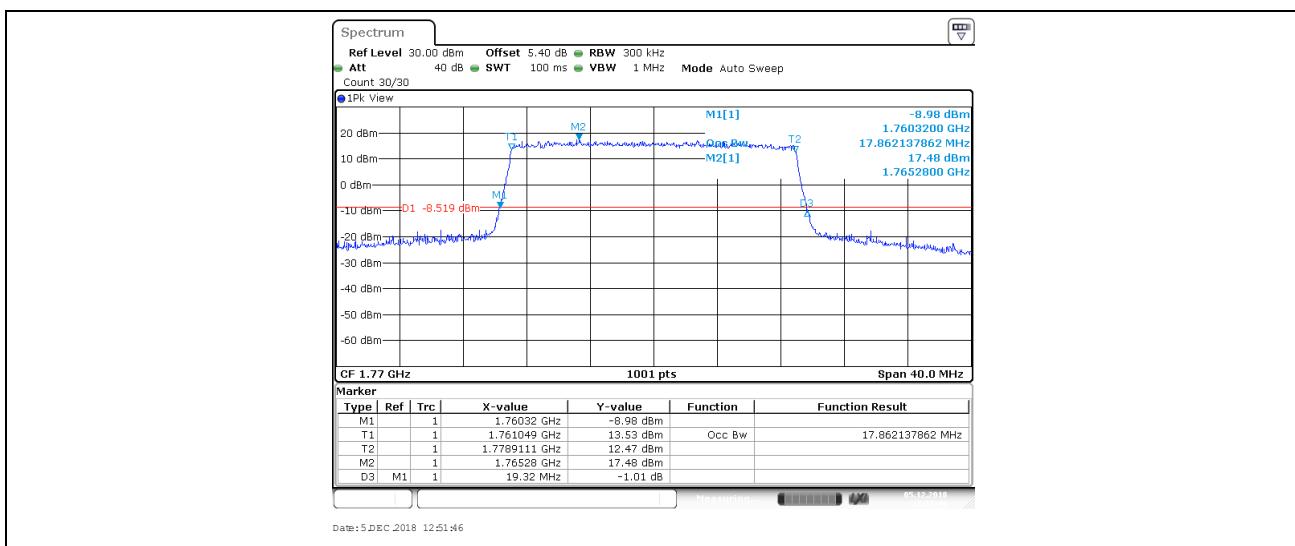






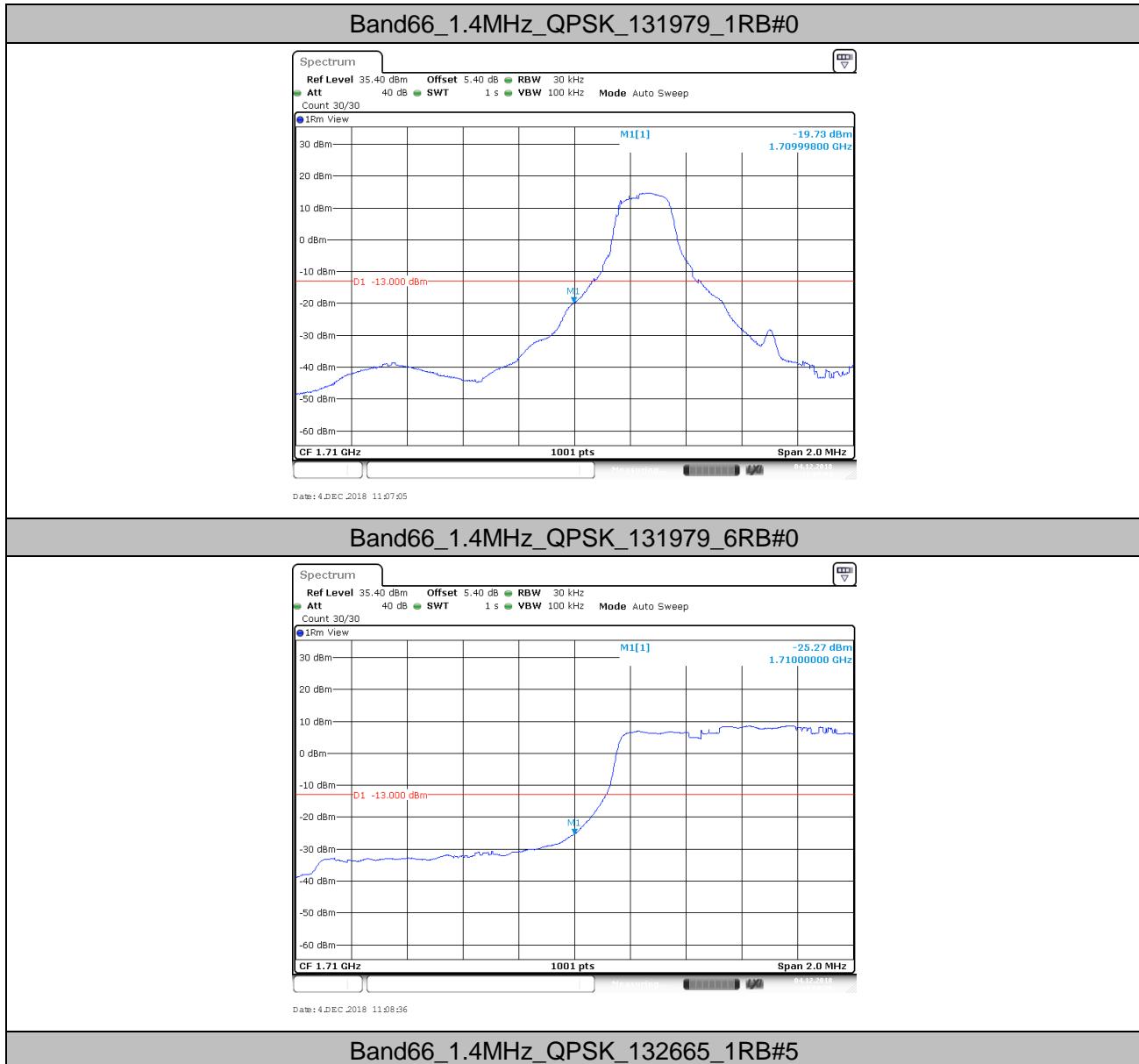


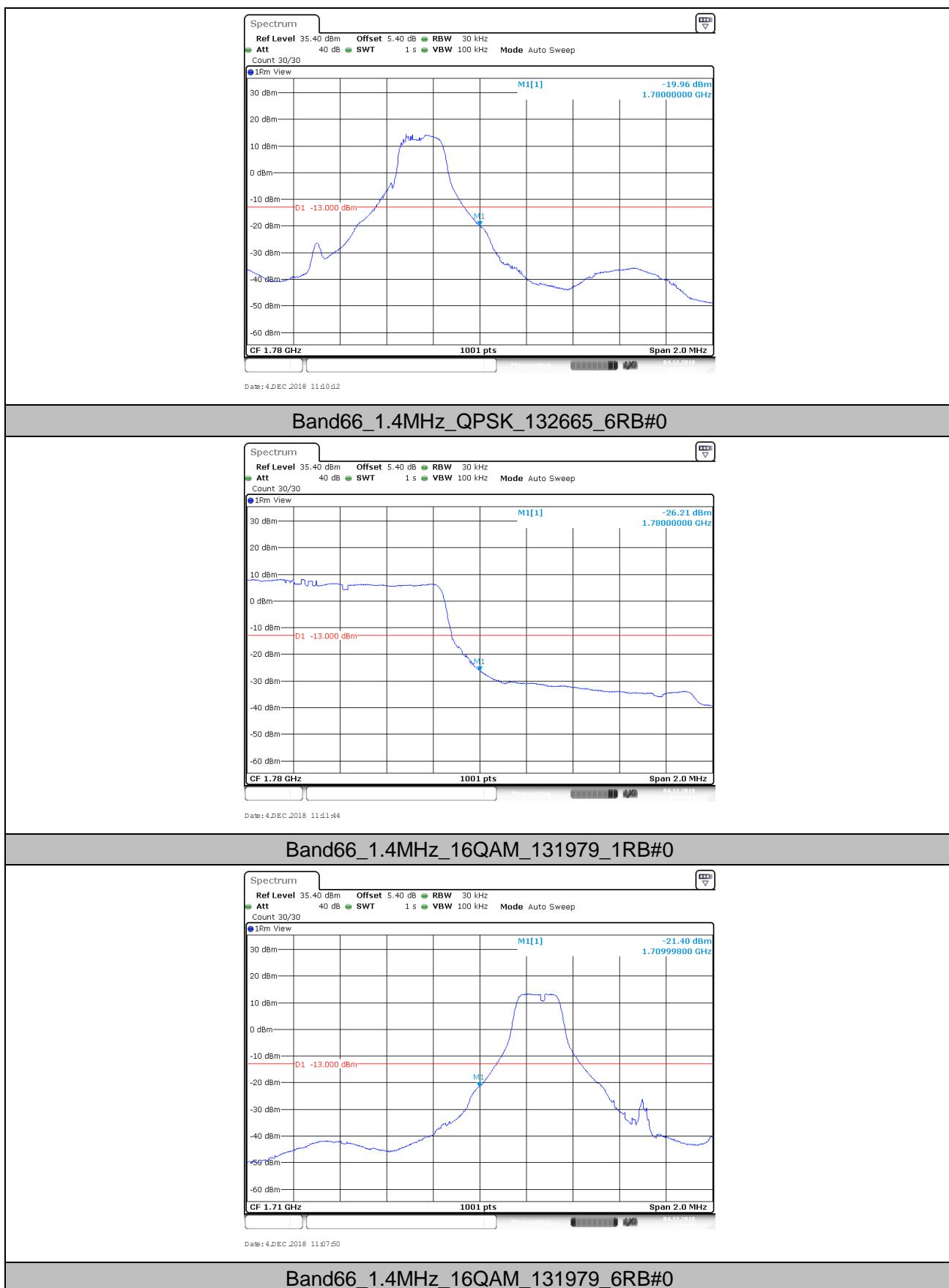


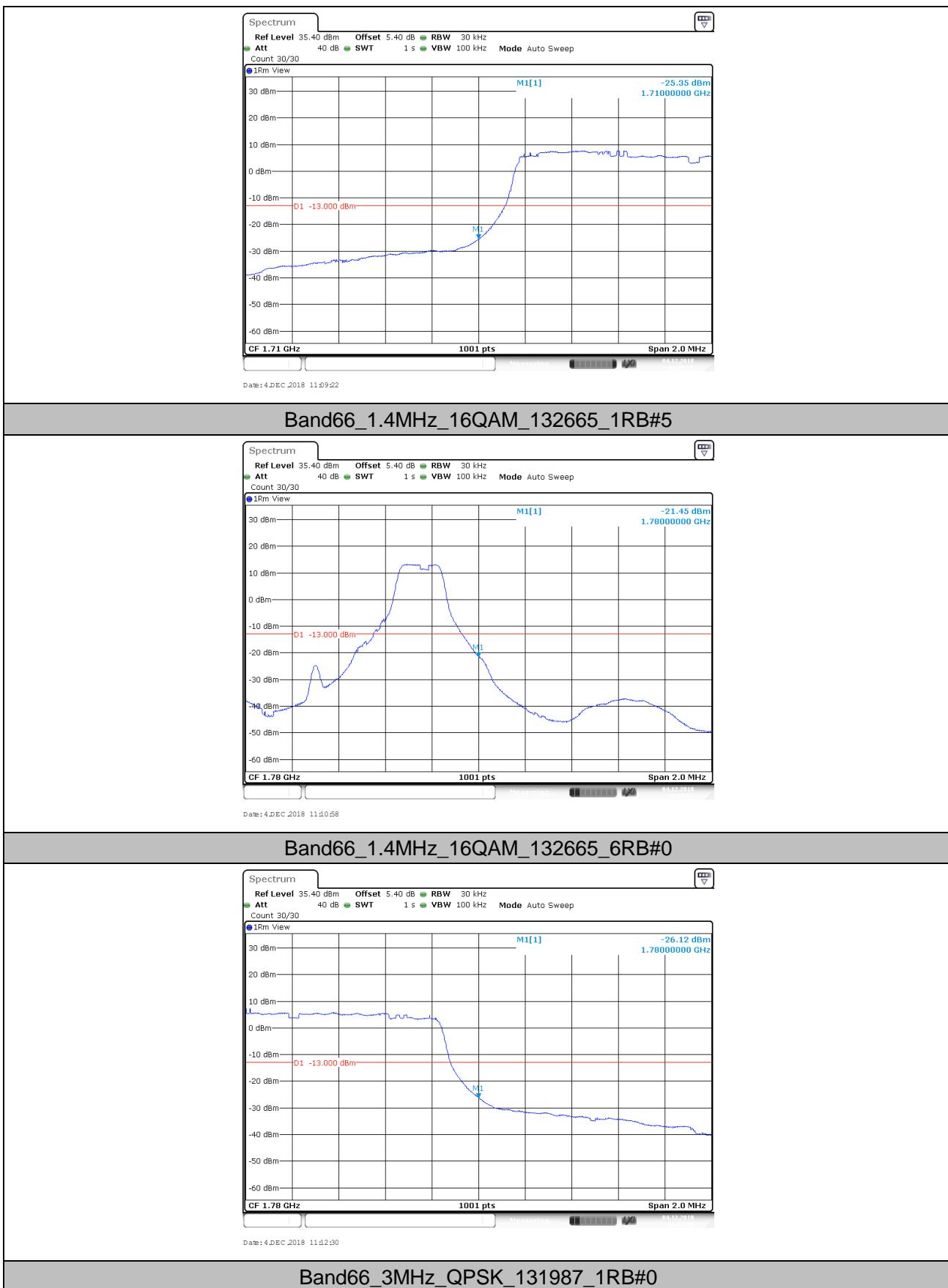


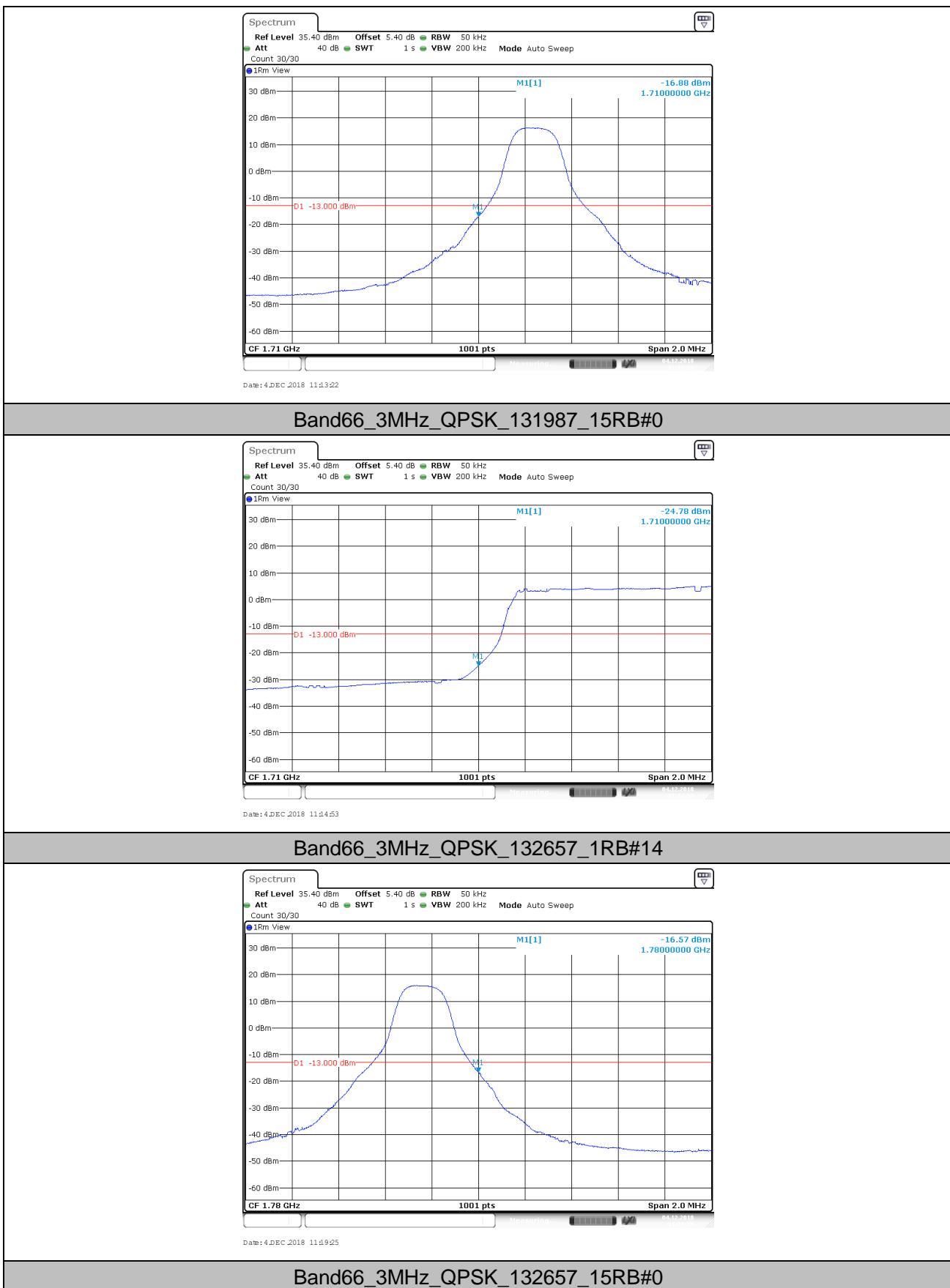
5. Band Edge Compliance

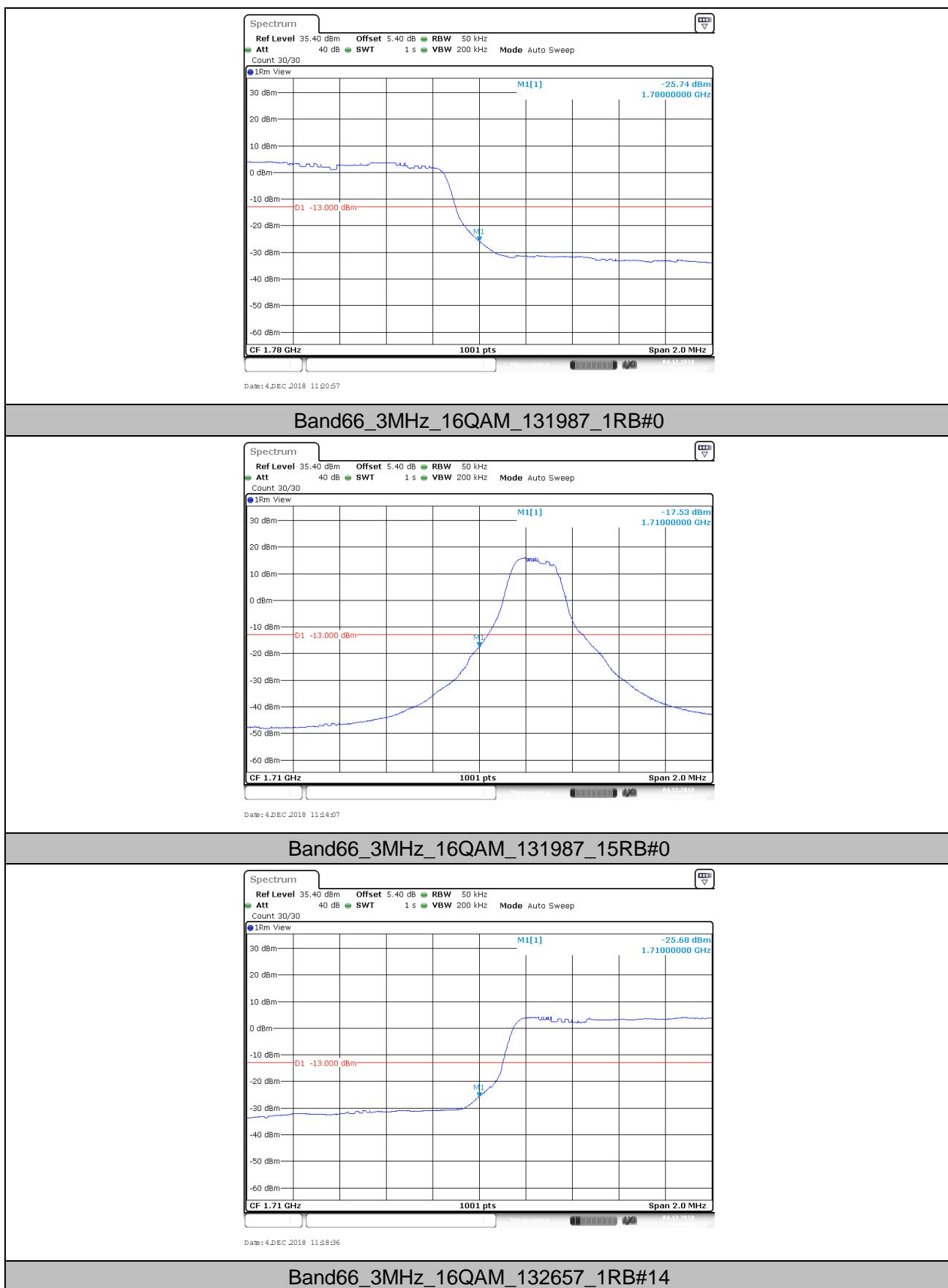
5.1. Test Plots

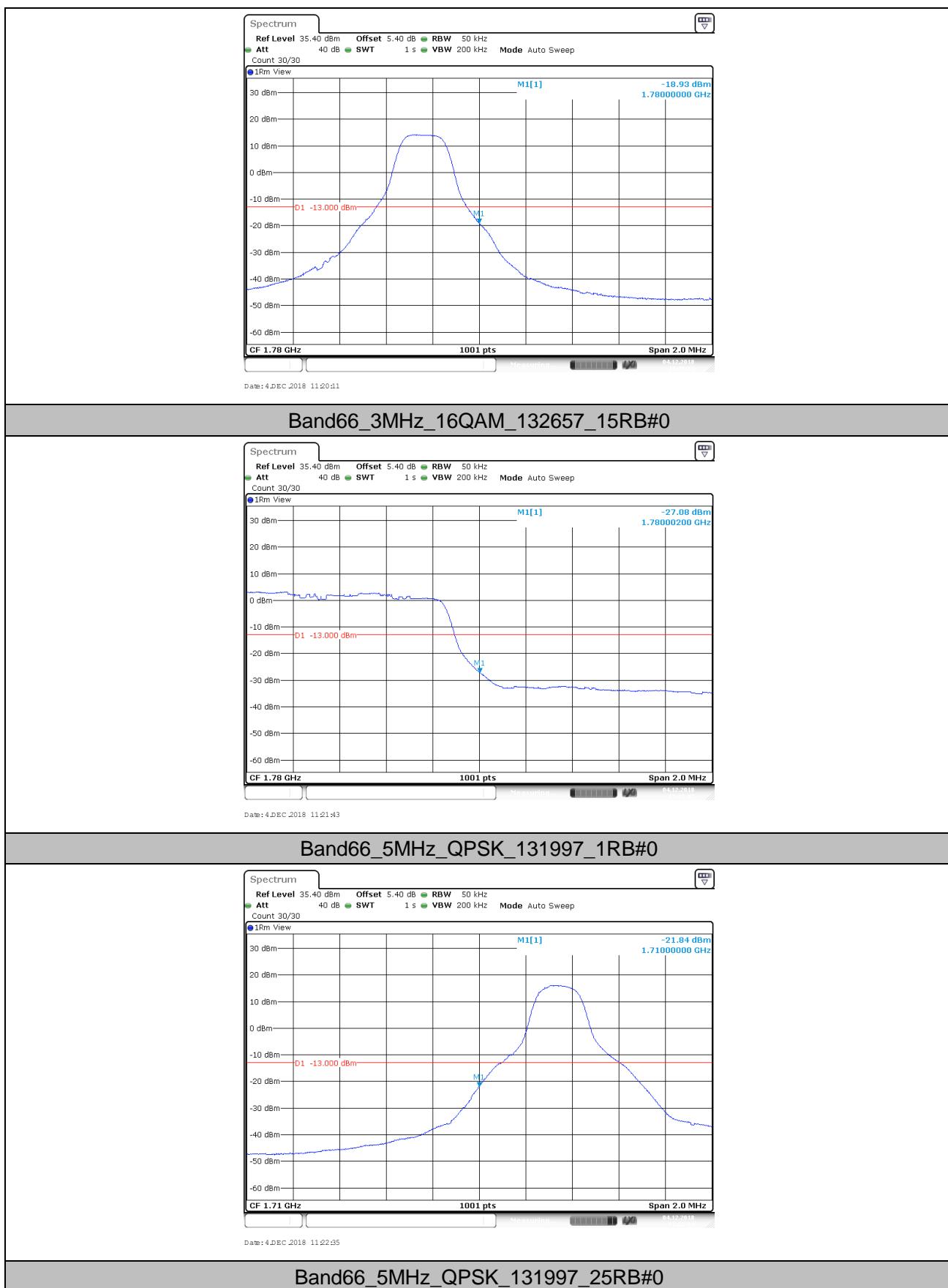


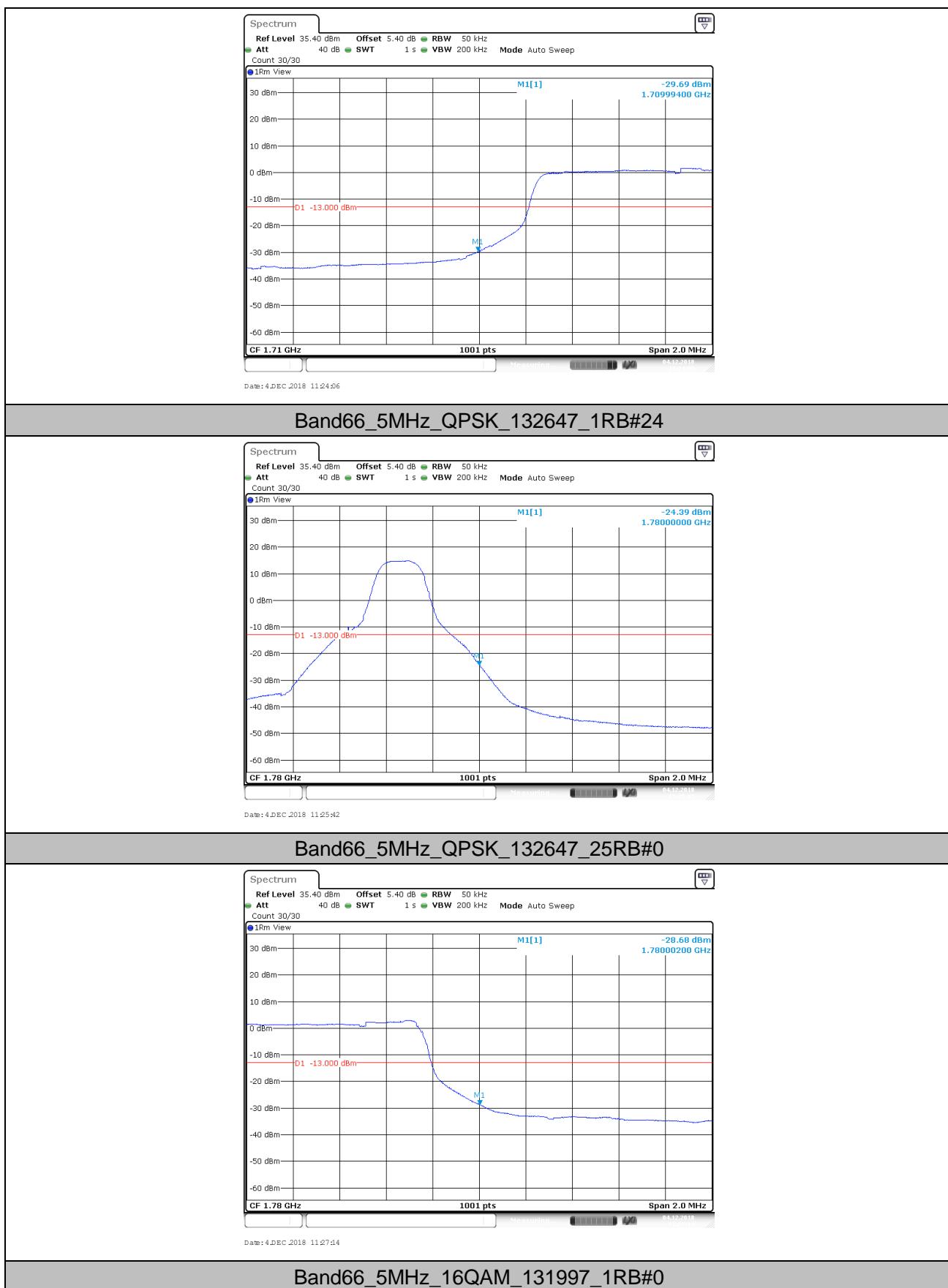


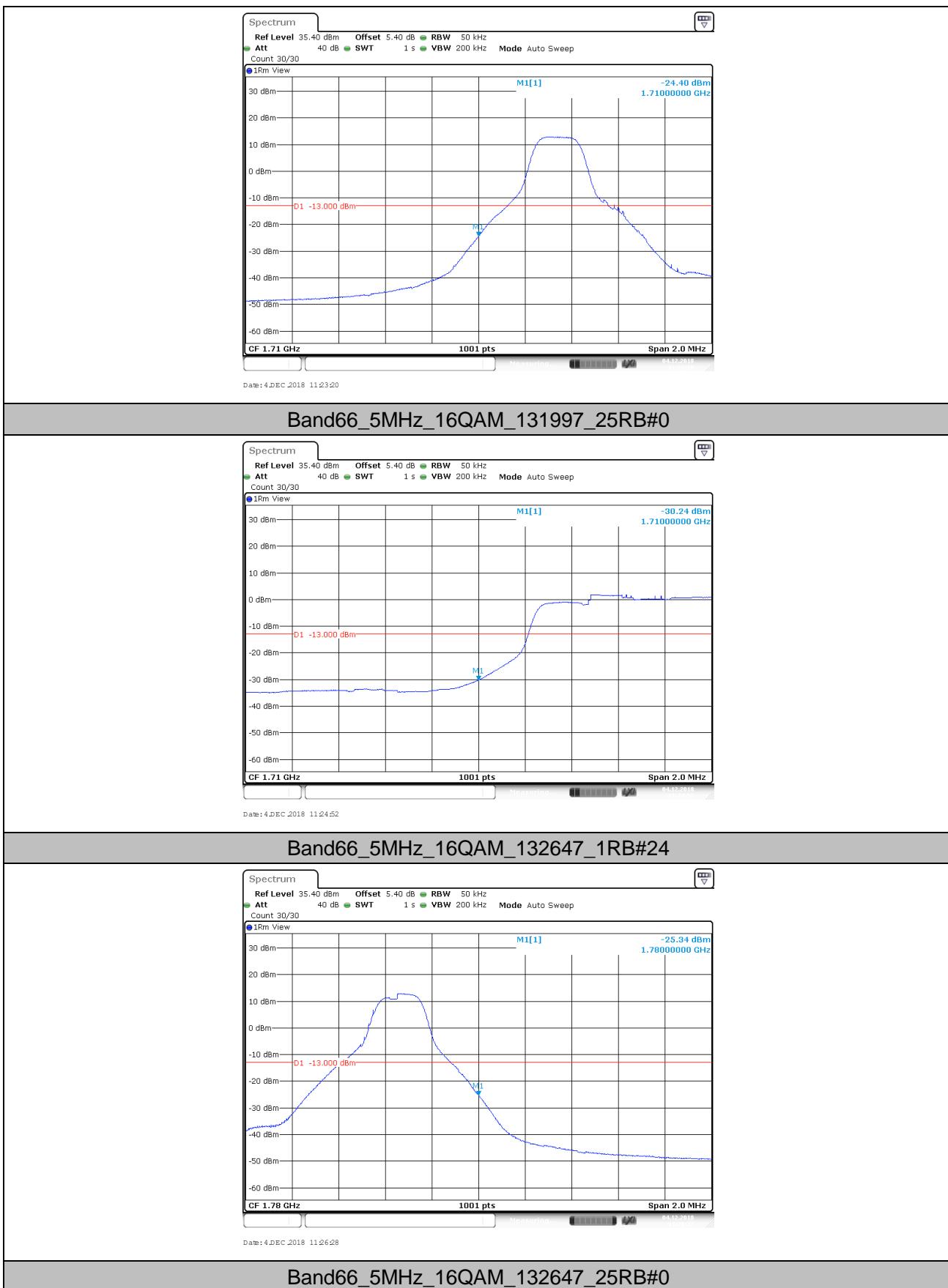


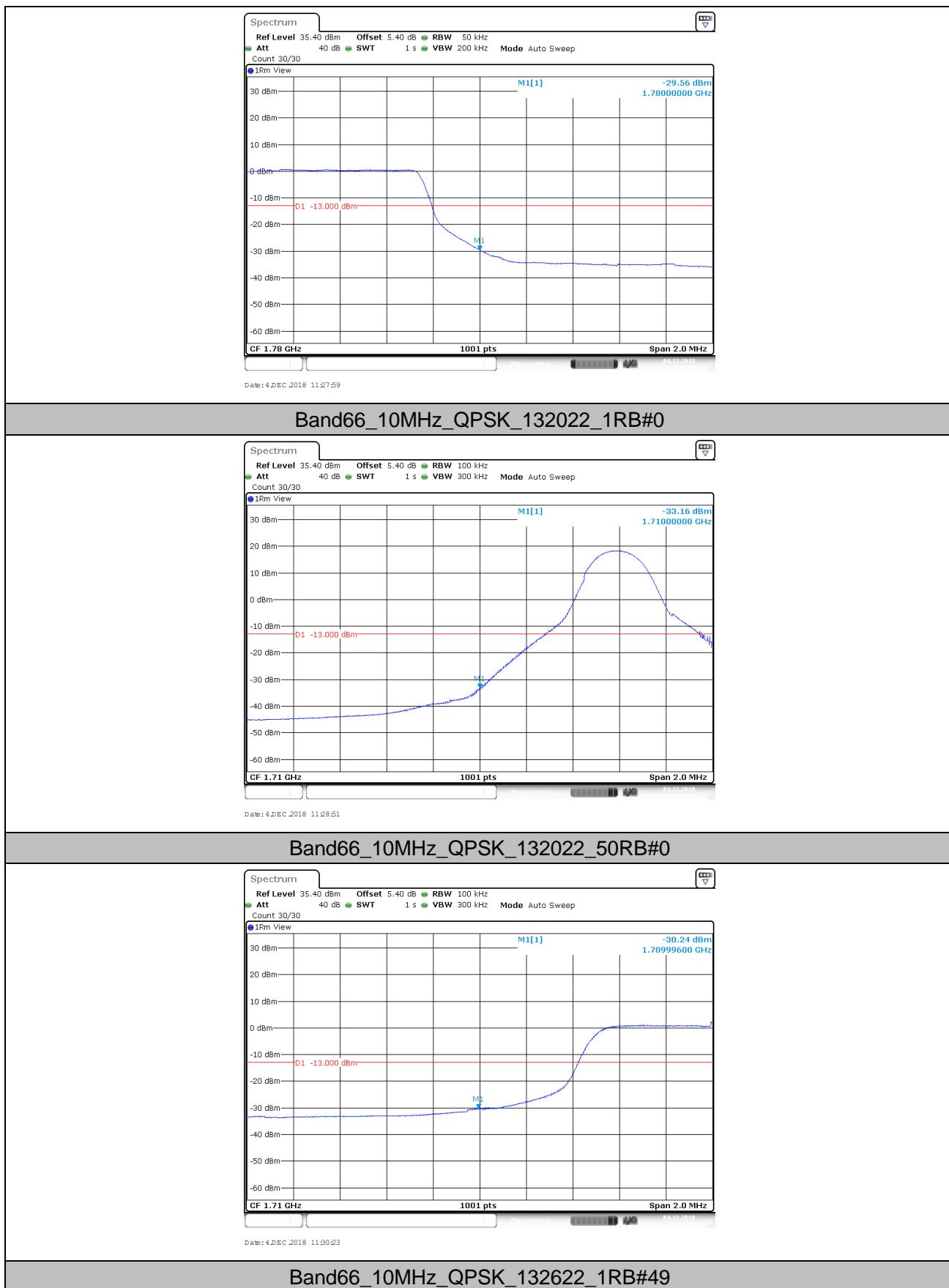


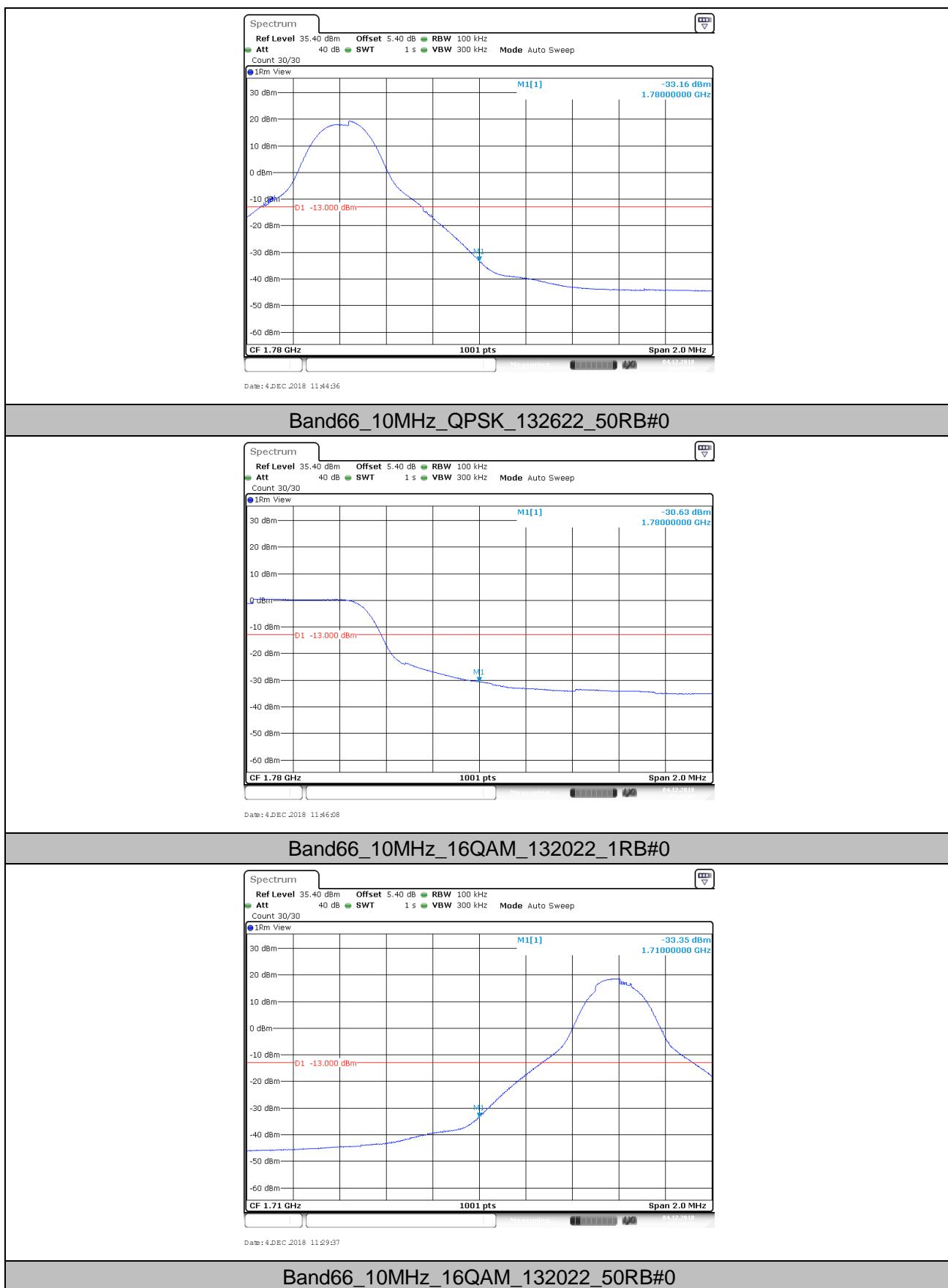


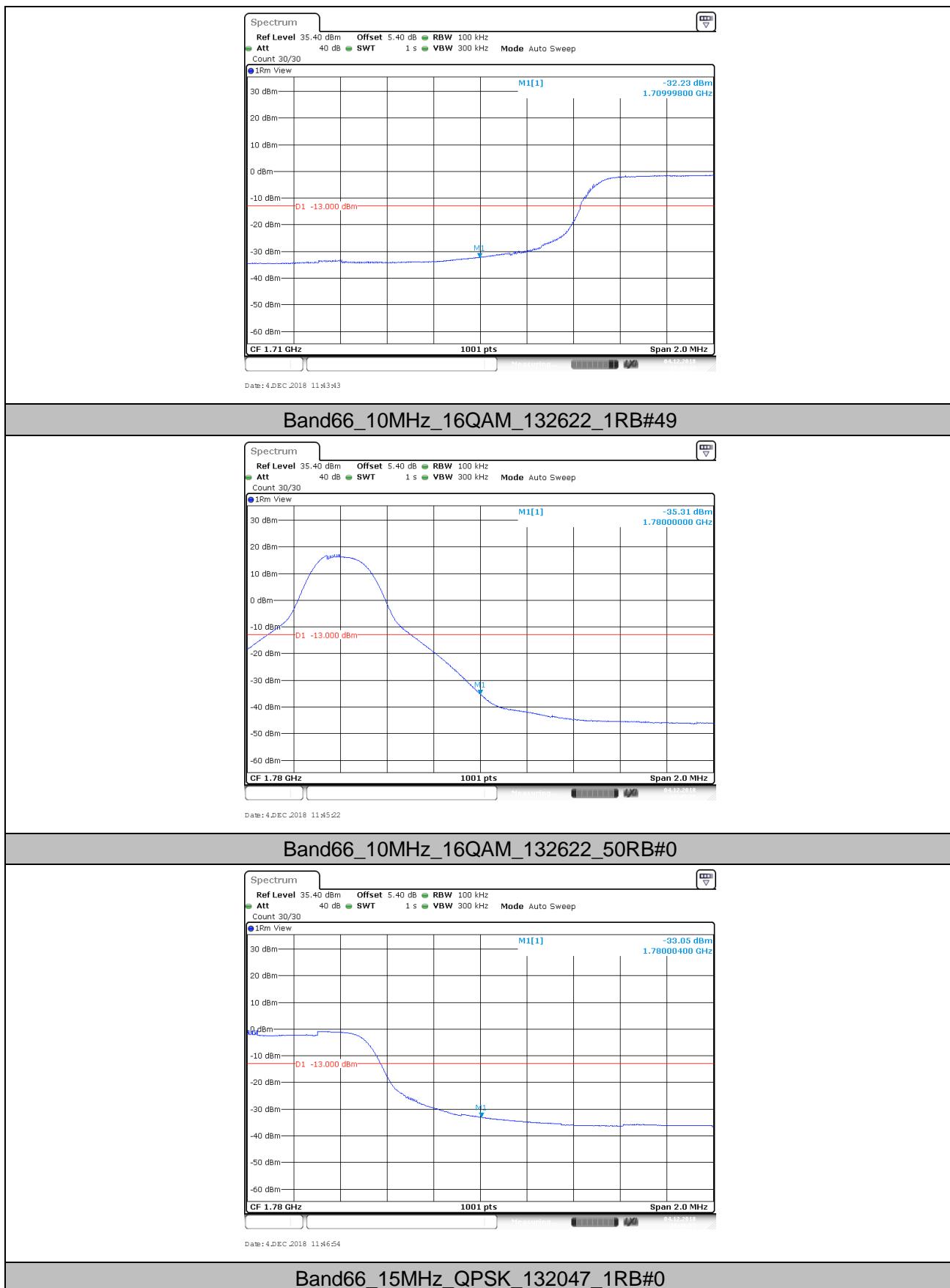


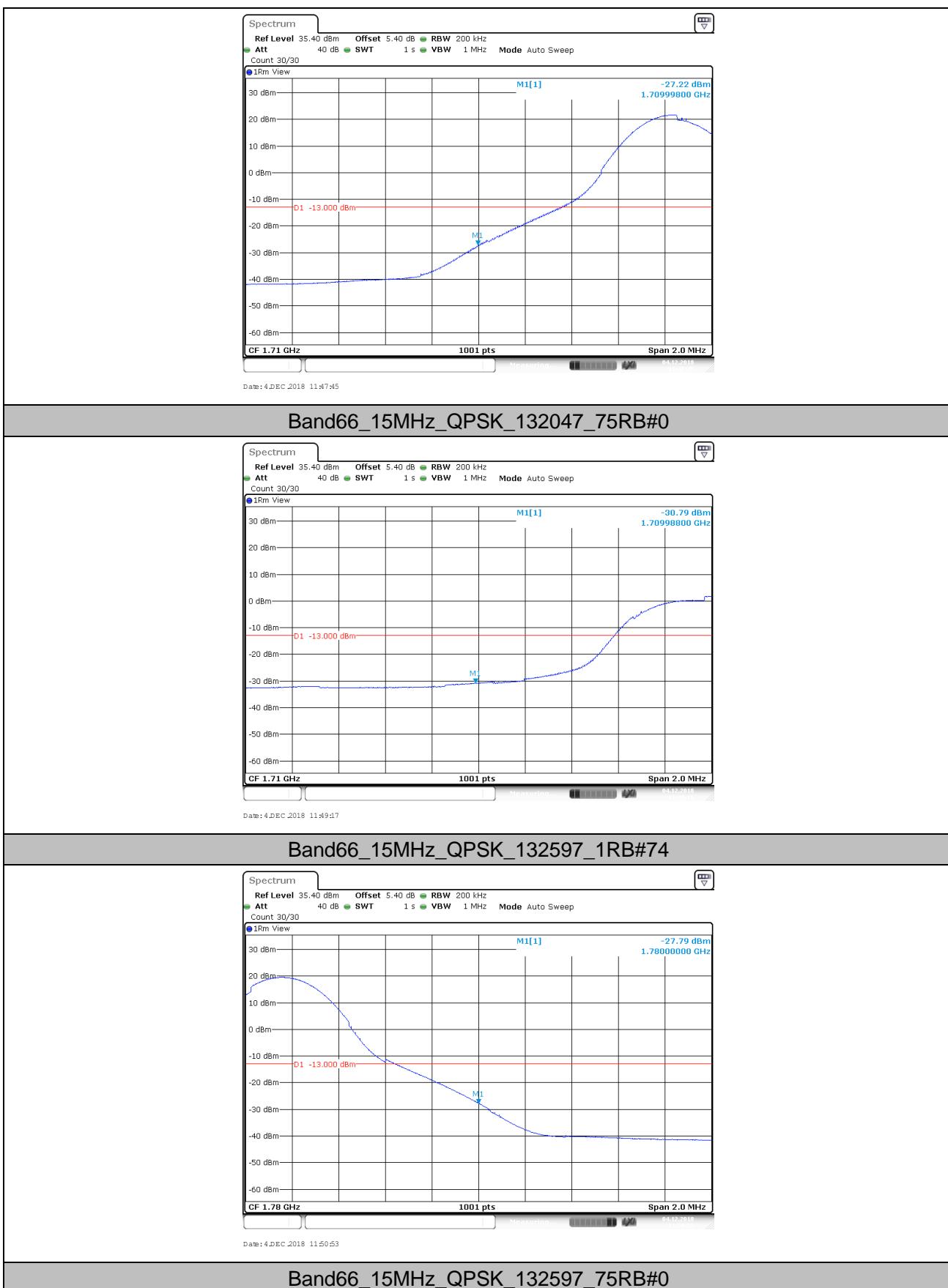


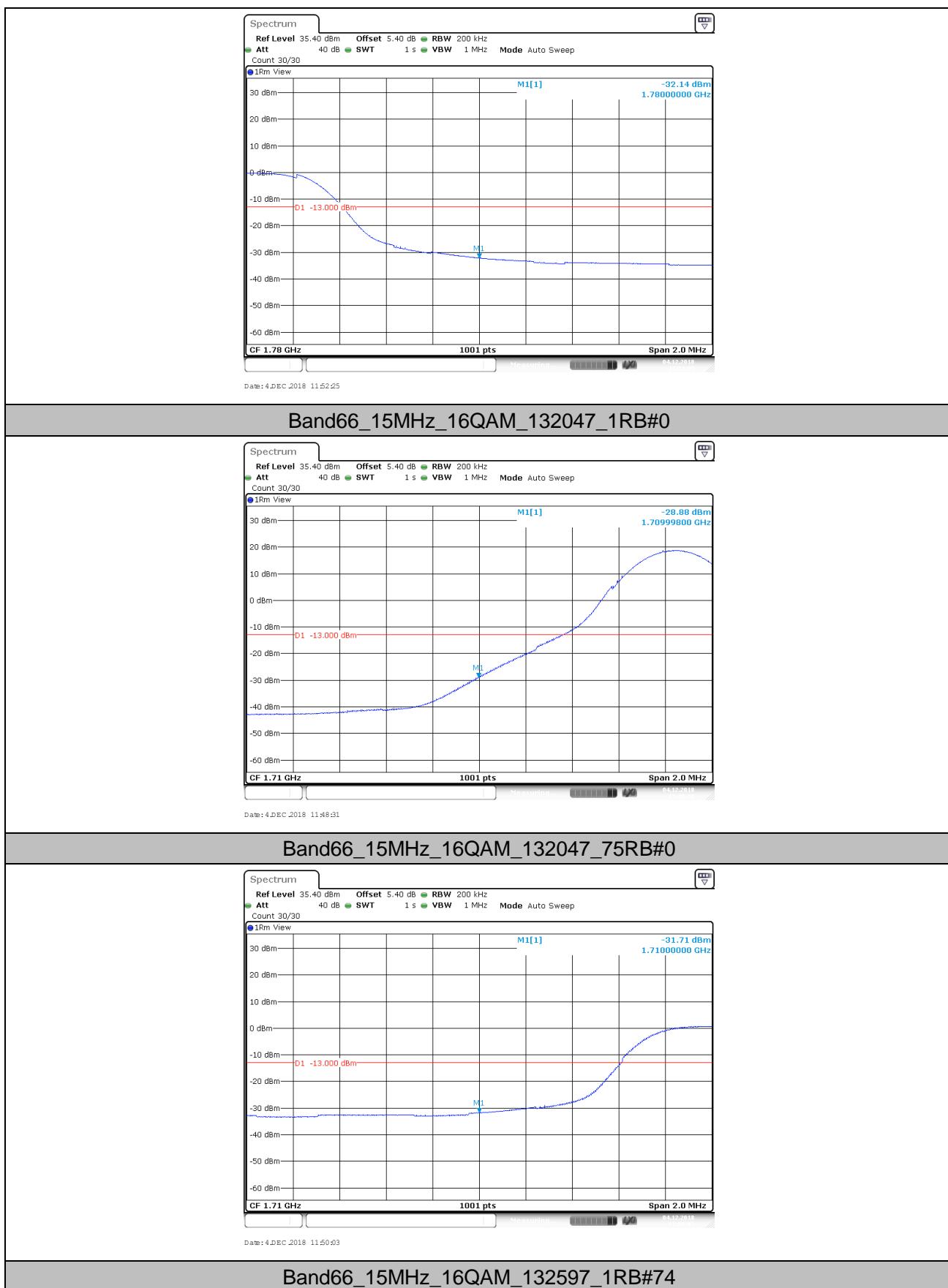


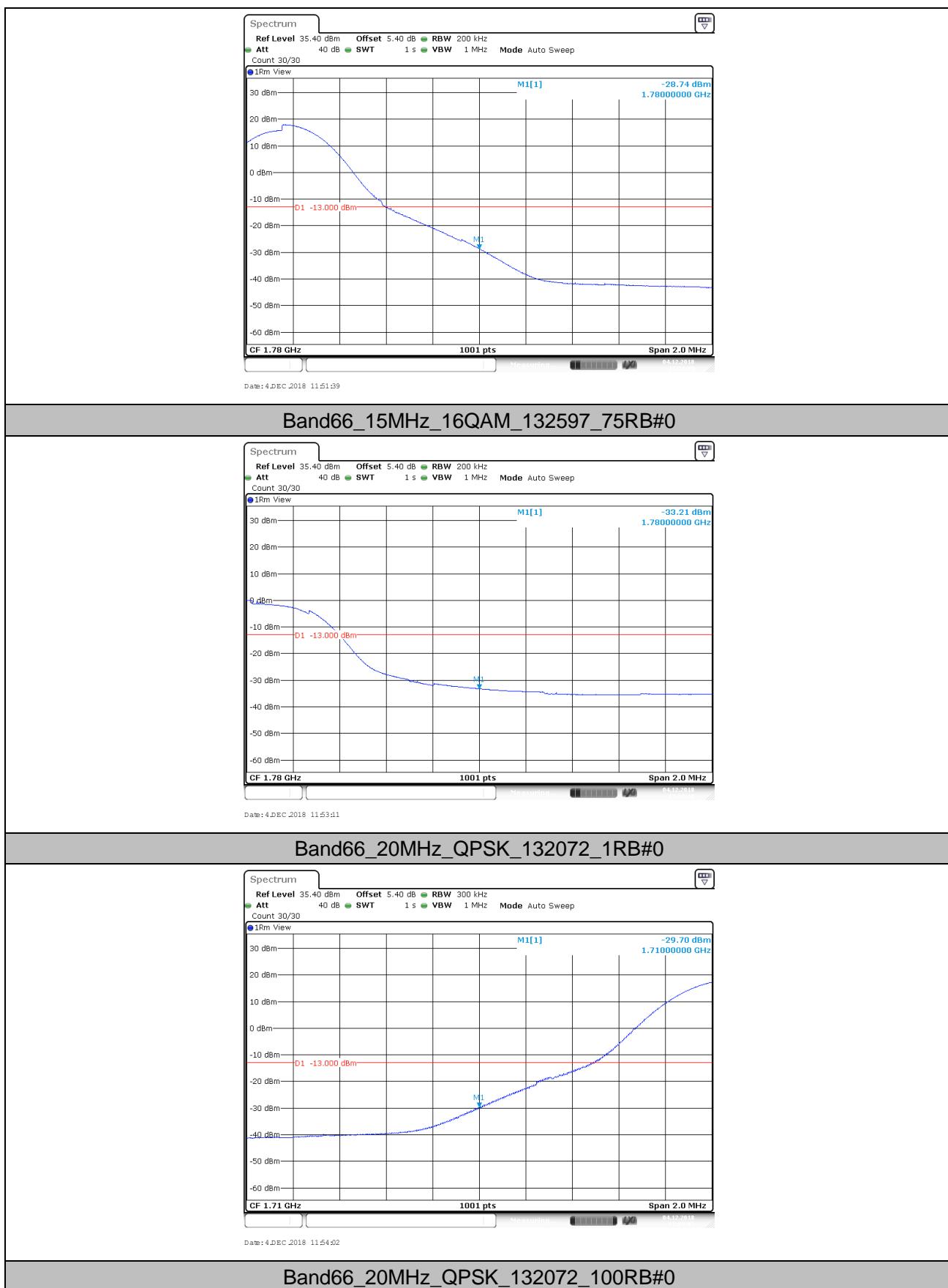


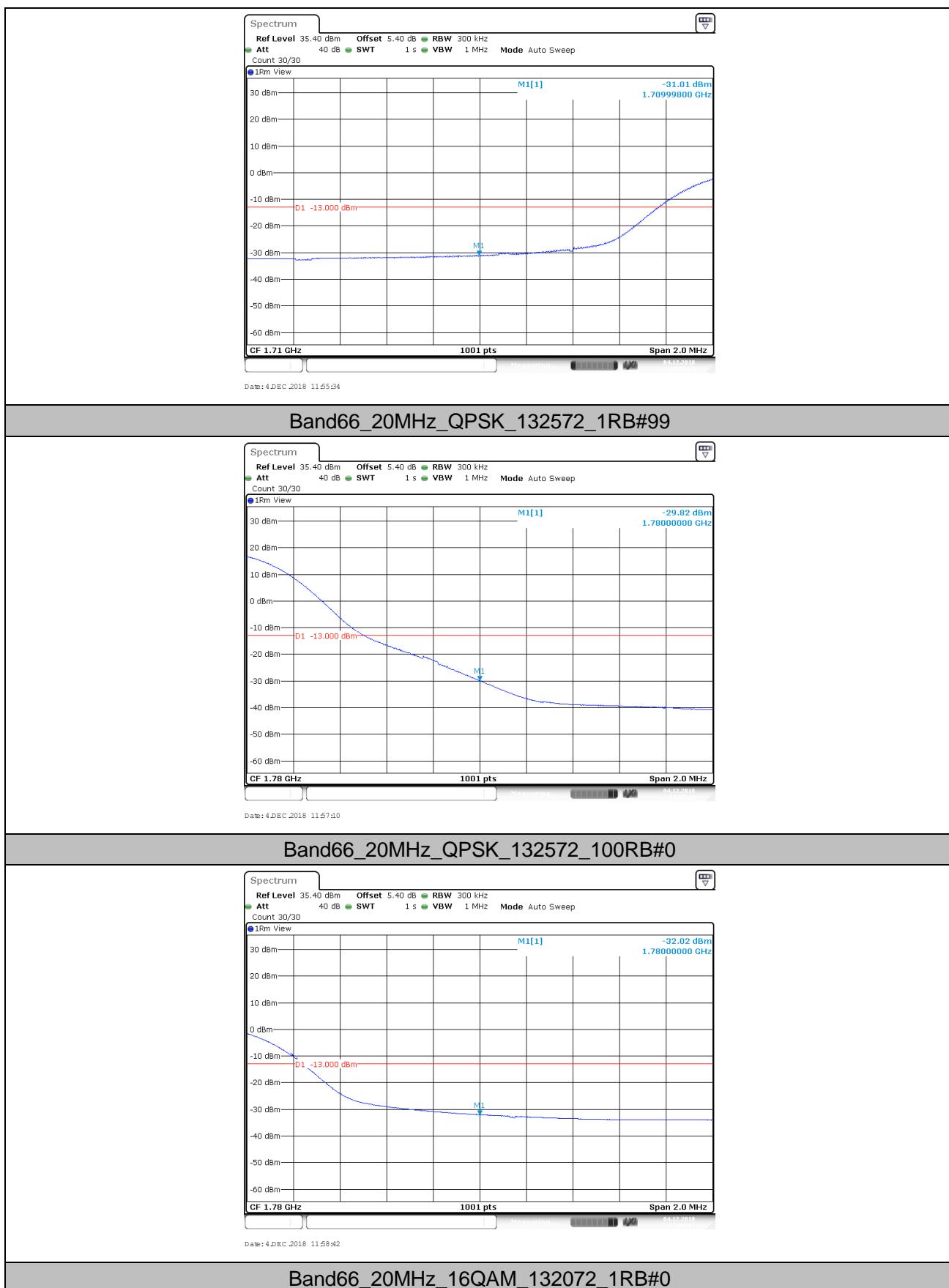


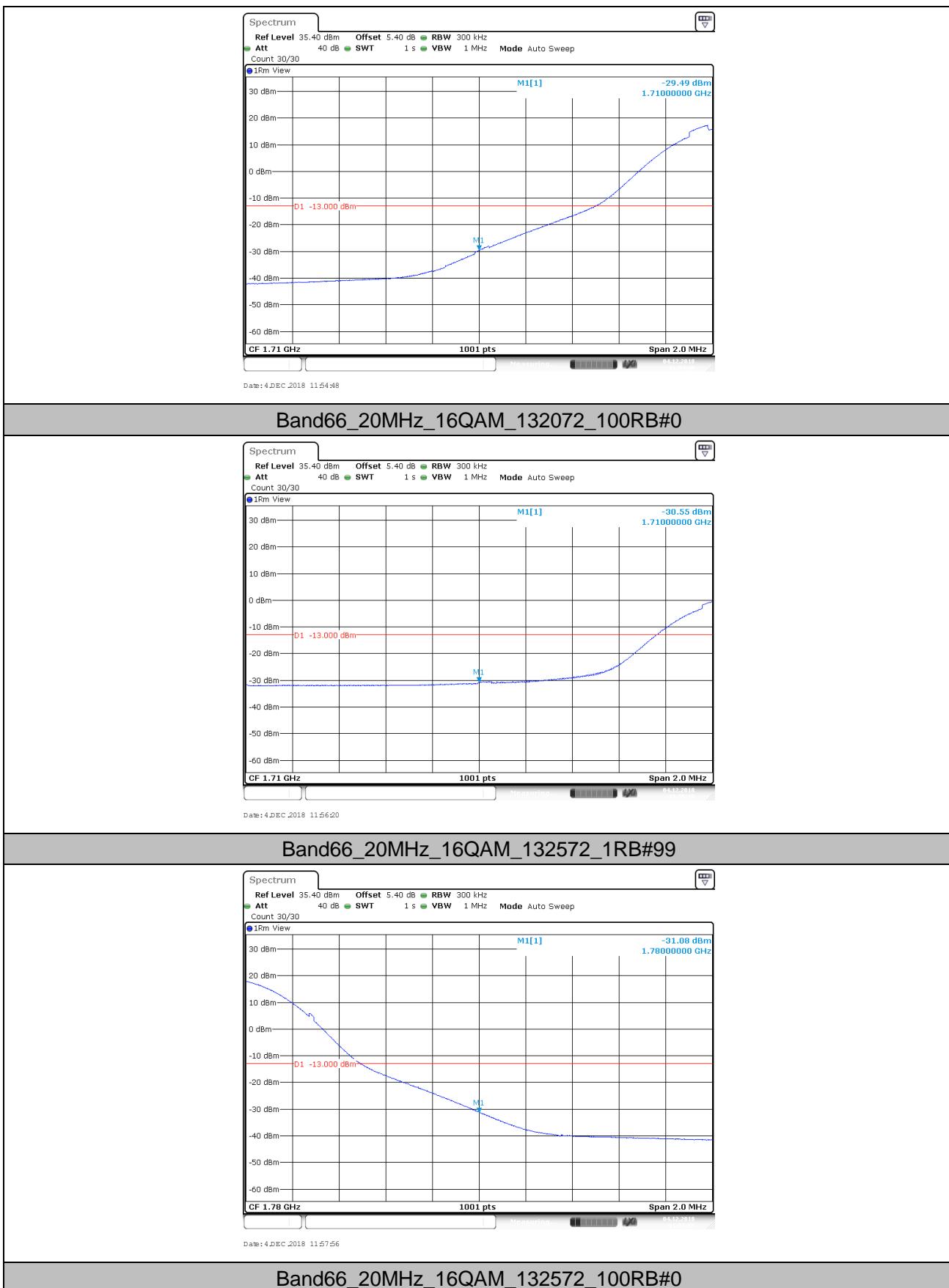


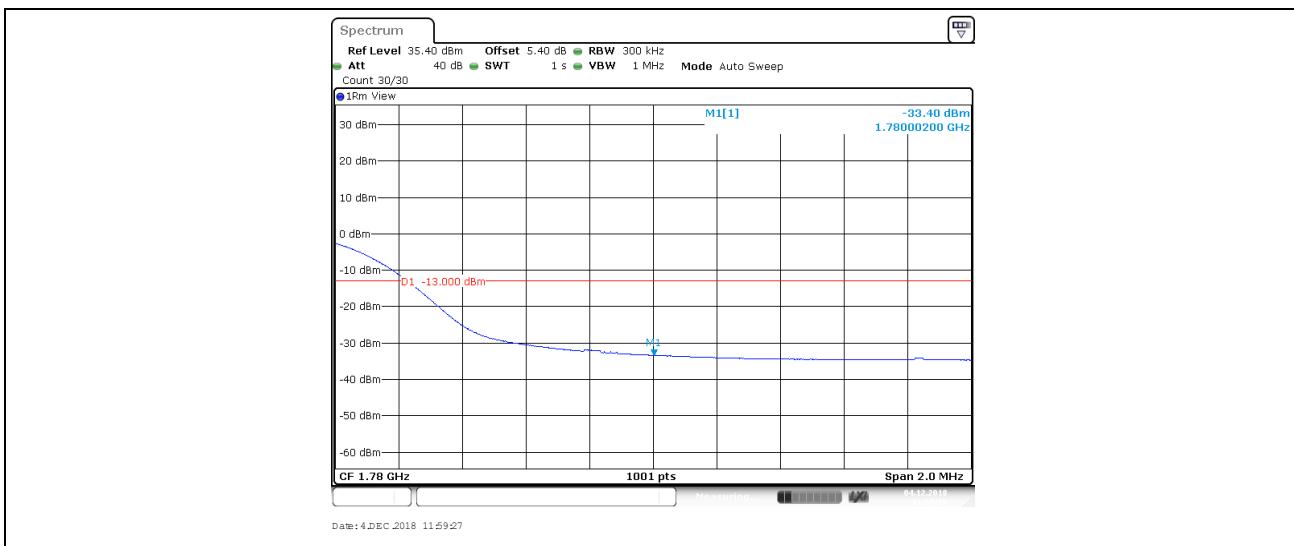










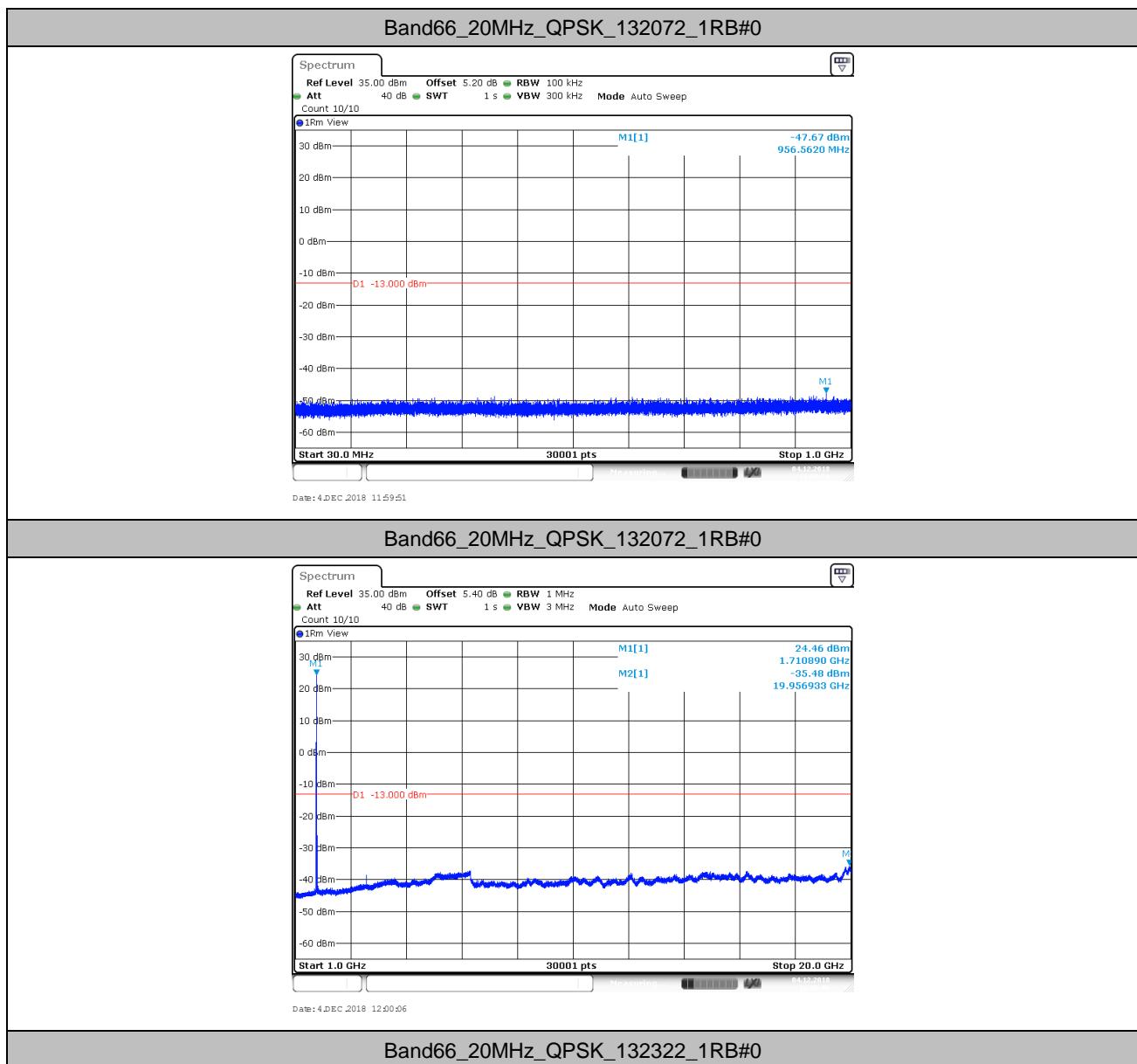


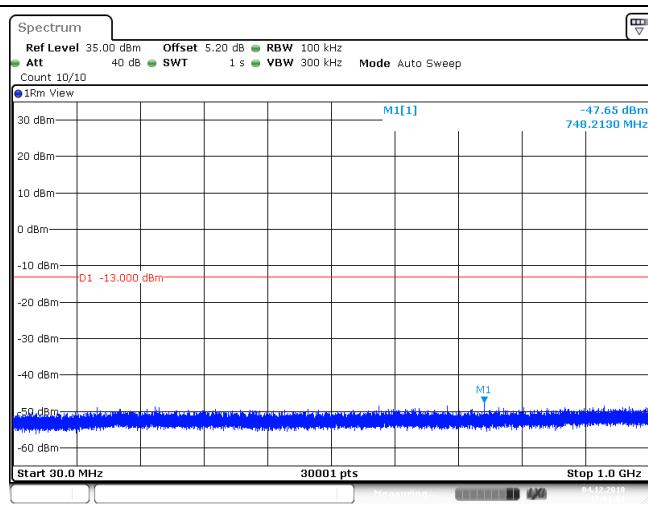
6. Spurious Emission at Antenna Terminal

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.

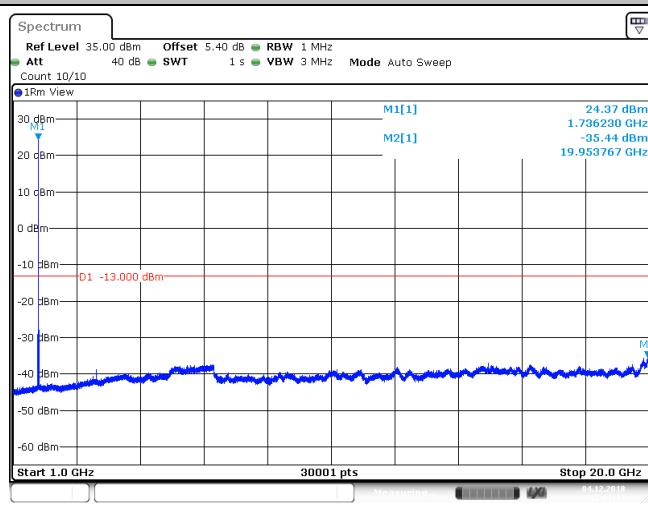
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

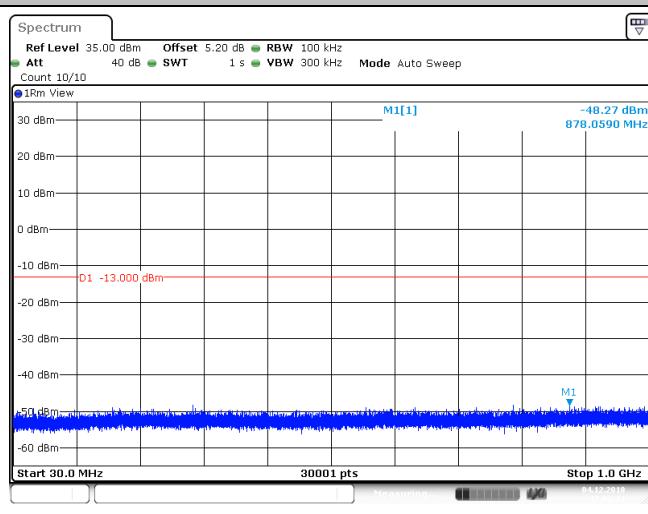




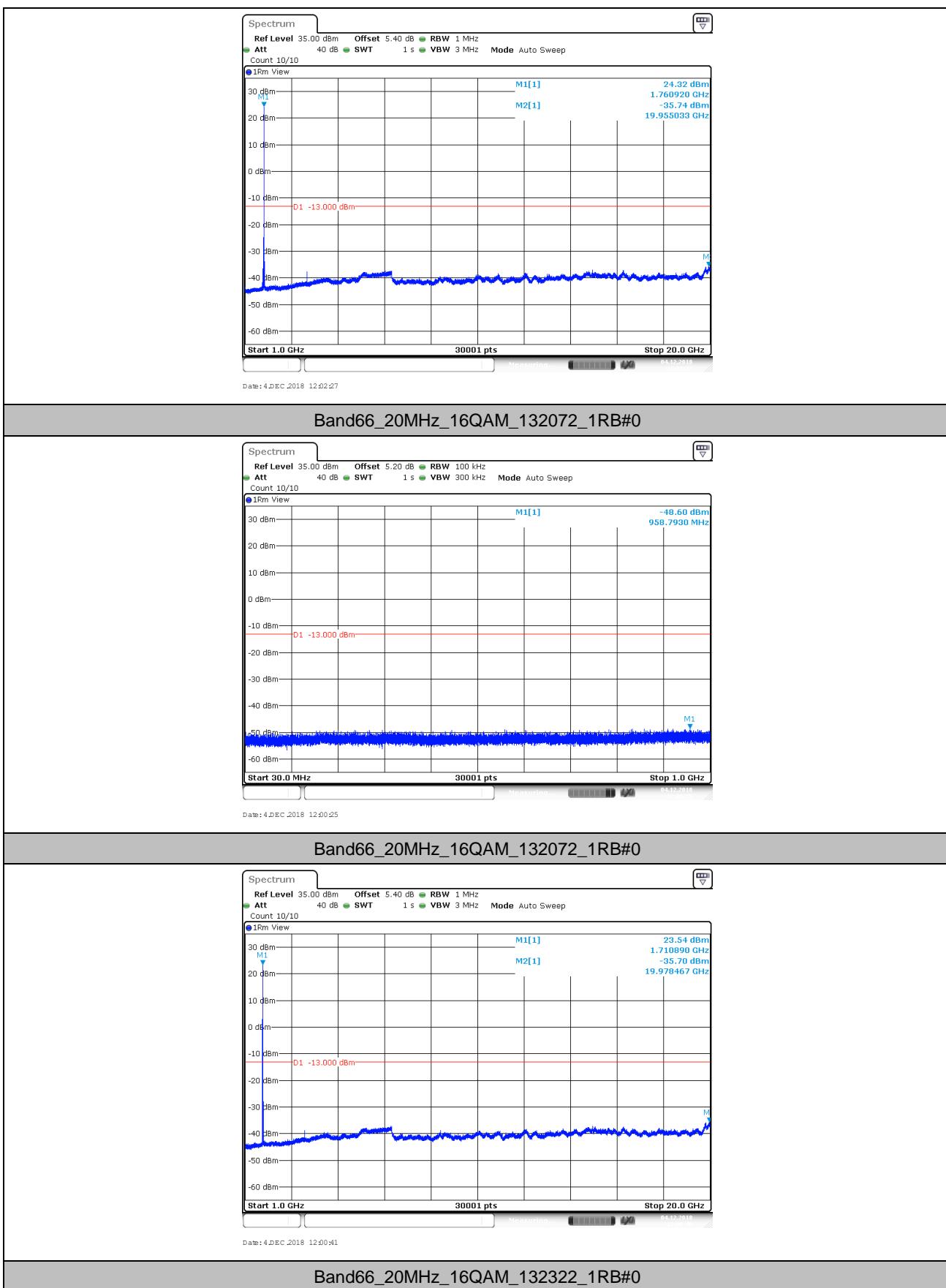
Band66_20MHz_QPSK_132322_1RB#0

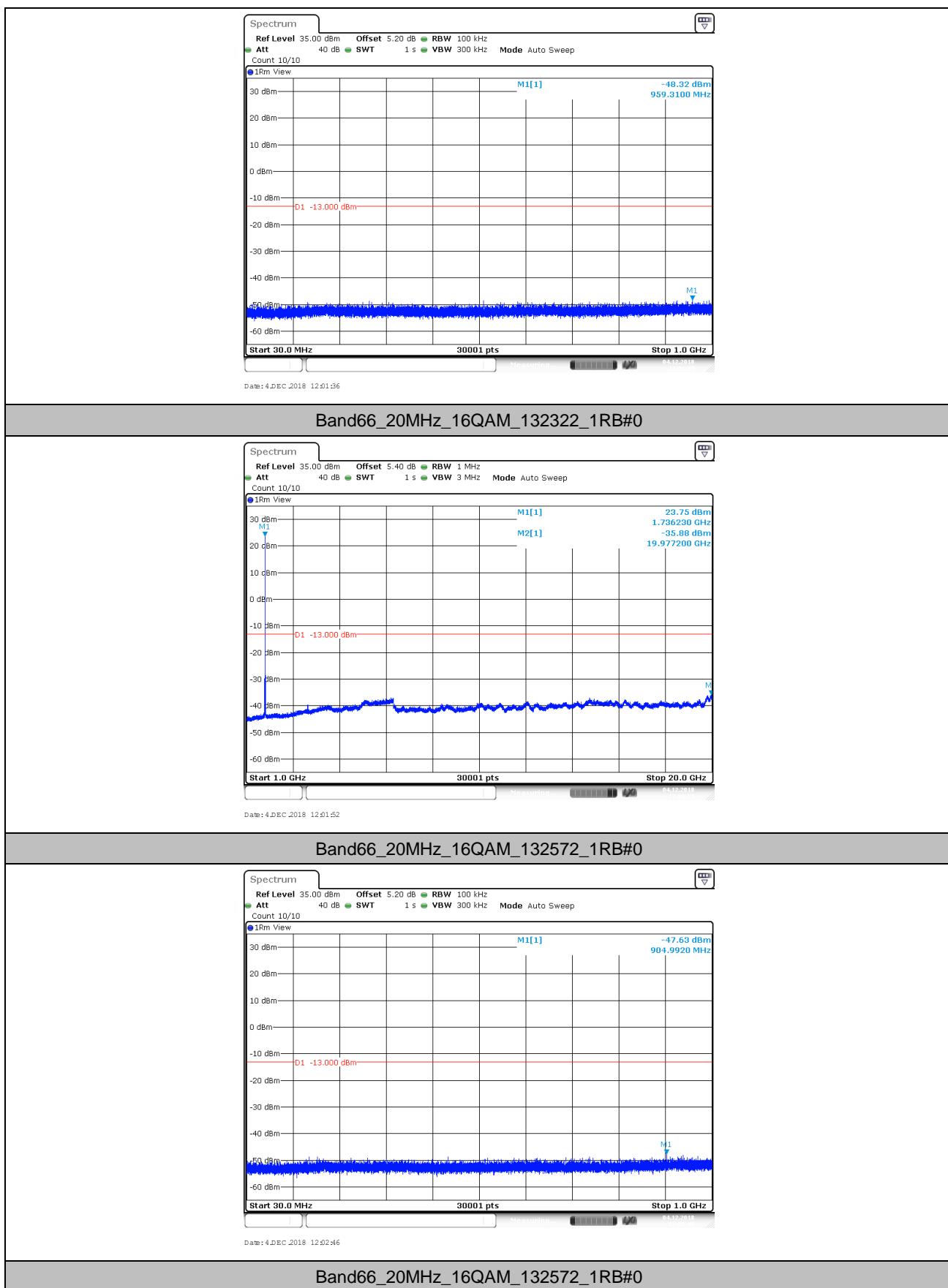


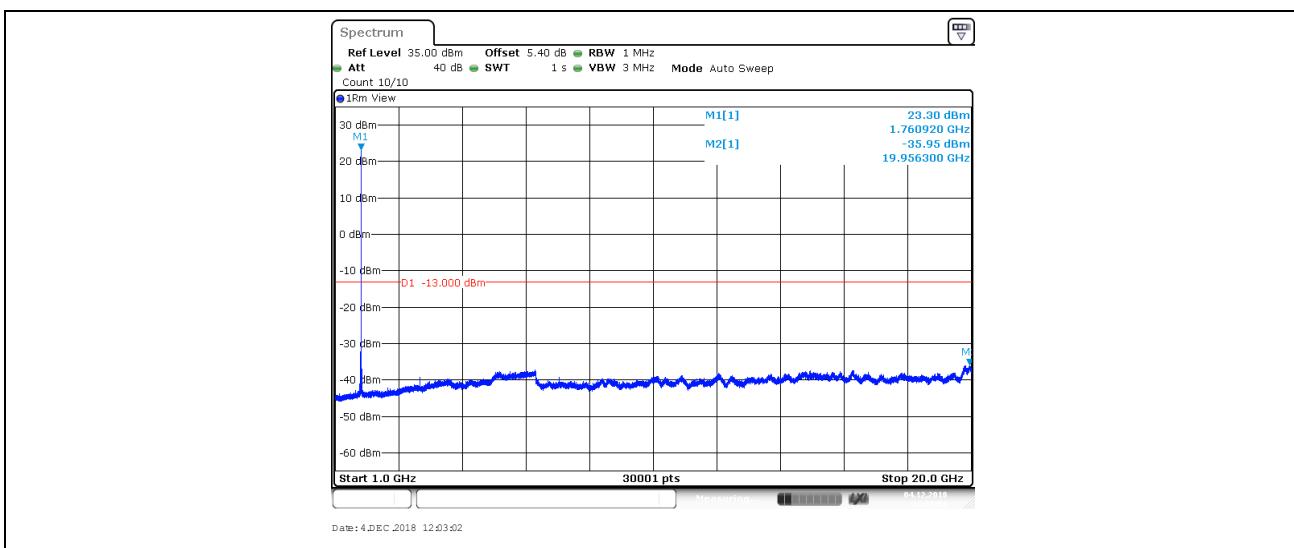
Band66_20MHz_QPSK_132572_1RB#0



Band66_20MHz_QPSK_132572_1RB#0







7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE BAND 66

7.1.1. Test Mode =LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.850000	-81.47	-13.00	68.47	Vertical
90.450000	-84.81	-13.00	71.81	Vertical
125.000000	-84.97	-13.00	71.97	Vertical
3421.850000	-63.60	-13.00	50.60	Vertical
5133.300000	-52.47	-13.00	39.47	Vertical
6843.775000	-61.54	-13.00	48.54	Vertical
62.250000	-73.14	-13.00	60.14	Horizontal
104.300000	-85.00	-13.00	72.00	Horizontal
924.283333	-77.89	-13.00	64.89	Horizontal
3421.850000	-66.68	-13.00	53.68	Horizontal
5133.300000	-63.85	-13.00	50.85	Horizontal
10641.725000	-62.47	-13.00	49.47	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.400000	-81.29	-13.00	68.29	Vertical
125.000000	-85.16	-13.00	72.16	Vertical
934.962500	-77.88	-13.00	64.88	Vertical
3471.575000	-65.22	-13.00	52.22	Vertical
5208.375000	-52.51	-13.00	39.51	Vertical
6944.200000	-56.08	-13.00	43.08	Vertical
62.450000	-76.80	-13.00	63.80	Horizontal
104.250000	-84.50	-13.00	71.50	Horizontal
956.595833	-76.91	-13.00	63.91	Horizontal
3471.900000	-67.12	-13.00	54.12	Horizontal
5207.725000	-65.12	-13.00	52.12	Horizontal
6944.525000	-64.18	-13.00	51.18	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.000000	-81.66	-13.00	68.66	Vertical
90.500000	-83.60	-13.00	70.60	Vertical
125.000000	-85.23	-13.00	72.23	Vertical
3521.950000	-65.26	-13.00	52.26	Vertical
5283.125000	-49.62	-13.00	36.62	Vertical
7044.300000	-60.13	-13.00	47.13	Vertical
62.150000	-77.19	-13.00	64.19	Horizontal
104.300000	-82.65	-13.00	69.65	Horizontal
946.879167	-77.33	-13.00	64.33	Horizontal
3521.950000	-67.75	-13.00	54.75	Horizontal
5283.125000	-63.04	-13.00	50.04	Horizontal
7044.300000	-62.07	-13.00	49.07	Horizontal

Remark:

- 1) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

8. Frequency Stability

8.1. Frequency Vs Voltage

BAND	Bandwidth	Modulation	Channel	Voltage							Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	1.50	0.000872	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	2.50	0.001453	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	2.10	0.001221	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-1.60	-0.000917	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-3.70	-0.002120	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-3.80	-0.002178	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	0.20	0.000113	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	1.10	0.000621	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-0.80	-0.000452	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	1.20	0.000698	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	1.20	0.000698	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	0.10	0.000058	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-3.10	-0.001777	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-3.00	-0.001719	±2.5	PASS	
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-4.70	-0.002693	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-0.30	-0.000169	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	1.00	0.000565	±2.5	PASS	
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	1.00	0.000565	±2.5	PASS	

8.2. Frequency Vs Temperature

BAND	Bandwidth	Modulation	Channel	Temperature							Verdict
				RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	2.60	0.001512	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	2.20	0.001279	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	0	1.50	0.000872	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	10	3.20	0.001860	±2.5	PASS	
Band66	20MHz	QPSK	132072	100RB#0	NV	20	1.20	0.000698	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-1.80	-0.001032	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-3.00	-0.001719	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-3.90	-0.002235	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	10	2.20	0.001279	±2.5	PASS	
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-2.10	-0.001203	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	0.40	0.000226	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-0.40	-0.000226	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	0	0.50	0.000282	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	10	2.40	0.001395	±2.5	PASS	
Band66	20MHz	QPSK	132572	100RB#0	NV	20	3.40	0.001921	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	1.60	0.000930	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	2.40	0.001395	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	0	-1.90	-0.001089	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-1.30	-0.000745	±2.5	PASS	
Band66	20MHz	16QAM	132072	100RB#0	NV	20	2.10	0.001221	±2.5	PASS	

Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-3.20	-0.001834	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-1.90	-0.001089	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-1.30	-0.000745	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	1.50	0.000847	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-2.50	-0.001433	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	1.20	0.000678	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	1.50	0.000847	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-0.10	-0.000056	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	1.20	0.000678	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	0.30	0.000169	±2.5	PASS

The End