



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	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.33	27.93	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.56	28.16	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.44	28.04	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.66	28.26	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	24.21	28.81	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.65	28.25	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.67	27.27	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.61	28.21	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.68	28.28	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.65	28.25	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.63	28.23	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	24.00	28.60	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.71	28.31	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.66	27.26	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.71	28.31	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.66	28.26	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.58	28.18	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.62	28.22	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.84	28.44	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.89	28.49	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.80	27.40	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.45	27.05	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.63	27.23	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.25	26.85	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	23.04	27.64	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.77	27.37	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.83	27.43	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.84	26.44	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.44	27.04	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.19	26.79	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.35	26.95	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	23.01	27.61	30.00	PASS



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Band66	1.4MHz	16QAM	132322	3RB#1	23.02	27.62	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.77	27.37	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.86	26.46	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.46	27.06	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.38	26.98	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.48	27.08	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.87	27.47	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.84	27.44	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.81	27.41	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.92	26.52	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.68	28.28	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.45	28.05	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.55	28.15	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.73	27.33	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.79	27.39	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.66	27.26	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.63	27.23	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.58	28.18	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.85	28.45	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.49	28.09	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.63	27.23	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.69	27.29	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.83	27.43	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.69	27.29	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.41	28.01	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.39	27.99	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.53	28.13	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.82	27.42	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.68	27.28	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.63	27.23	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.78	27.38	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.18	26.78	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.32	26.92	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.26	26.86	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.60	26.20	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.54	26.14	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.51	26.11	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.68	26.28	30.00	PASS



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Band66	3MHz	16QAM	132322	1RB#0	22.49	27.09	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.27	26.87	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.38	26.98	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.63	26.23	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.57	26.17	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.69	26.29	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.55	26.15	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.30	26.90	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.36	26.96	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.38	26.98	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.59	26.19	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.42	26.02	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.67	26.27	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.61	26.21	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.55	28.15	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.74	28.34	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.61	28.21	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.62	27.22	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.70	27.30	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.74	27.34	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.82	27.42	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.34	27.94	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.98	28.58	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.51	28.11	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.82	27.42	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.85	27.45	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.72	27.32	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.78	27.38	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.57	28.17	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.74	28.34	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.62	28.22	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.64	27.24	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.64	27.24	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.77	27.37	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.92	27.52	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.35	26.95	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.74	27.34	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.26	26.86	30.00	PASS



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Band66	5MHz	16QAM	131997	12RB#0	21.73	26.33	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.53	26.13	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.64	26.24	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.89	26.49	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.25	26.85	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.74	27.34	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.35	26.95	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.82	26.42	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.68	26.28	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.67	26.27	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.76	26.36	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.30	26.90	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.51	27.11	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.49	27.09	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.70	26.30	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.82	26.42	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.69	26.29	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.73	26.33	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.57	28.17	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.69	28.29	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.39	27.99	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.71	27.31	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.77	27.37	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.74	27.34	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.90	27.50	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.35	27.95	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.90	28.50	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.40	28.00	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.68	27.28	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.64	27.24	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.66	27.26	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.83	27.43	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.70	28.30	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.95	28.55	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.62	28.22	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.85	27.45	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.78	27.38	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.65	27.25	30.00	PASS



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Band66	10MHz	QPSK	132622	50RB#0	22.80	27.40	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.32	26.92	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.57	27.17	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.26	26.86	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.75	26.35	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.84	26.44	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.67	26.27	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.73	26.33	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.37	26.97	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.30	26.90	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.40	27.00	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.92	26.52	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.64	26.24	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.69	26.29	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.64	26.24	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.58	27.18	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.52	27.12	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.56	27.16	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.90	26.50	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.80	26.40	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.91	26.51	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.75	26.35	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.31	27.91	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.51	28.11	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.55	28.15	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.76	27.36	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.83	27.43	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.60	27.20	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.71	27.31	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.63	28.23	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.68	28.28	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.50	28.10	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.86	27.46	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.69	27.29	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	22.67	27.27	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.60	27.20	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	24.00	28.60	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.77	28.37	30.00	PASS



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Band66	15MHz	QPSK	132597	1RB#74	23.54	28.14	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	23.00	27.60	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.76	27.36	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.82	27.42	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.86	27.46	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.51	27.11	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.17	26.77	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.50	27.10	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.73	26.33	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.81	26.41	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.60	26.20	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.87	26.47	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.47	27.07	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.19	26.79	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.42	27.02	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.67	26.27	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.84	26.44	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.69	26.29	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.69	26.29	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.67	27.27	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.42	27.02	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.61	27.21	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.69	26.29	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.78	26.38	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.61	26.21	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.70	26.30	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.61	28.21	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.78	28.38	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.36	27.96	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.78	27.38	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.70	27.30	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.71	27.31	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.69	27.29	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.45	28.05	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.74	28.34	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.61	28.21	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.86	27.46	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.63	27.23	30.00	PASS



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Band66	20MHz	QPSK	132322	50RB#50	22.64	27.24	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.69	27.29	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.92	28.52	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.82	28.42	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.58	28.18	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.98	27.58	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.89	27.49	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.68	27.28	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.96	27.56	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.56	27.16	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.43	27.03	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.38	26.98	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.90	26.50	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.94	26.54	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.69	26.29	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.66	26.26	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.60	27.20	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.44	27.04	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.39	26.99	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.69	26.29	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.77	26.37	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.64	26.24	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.74	26.34	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.64	27.24	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.64	27.24	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.45	27.05	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.78	26.38	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.76	26.36	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.66	26.26	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.78	26.38	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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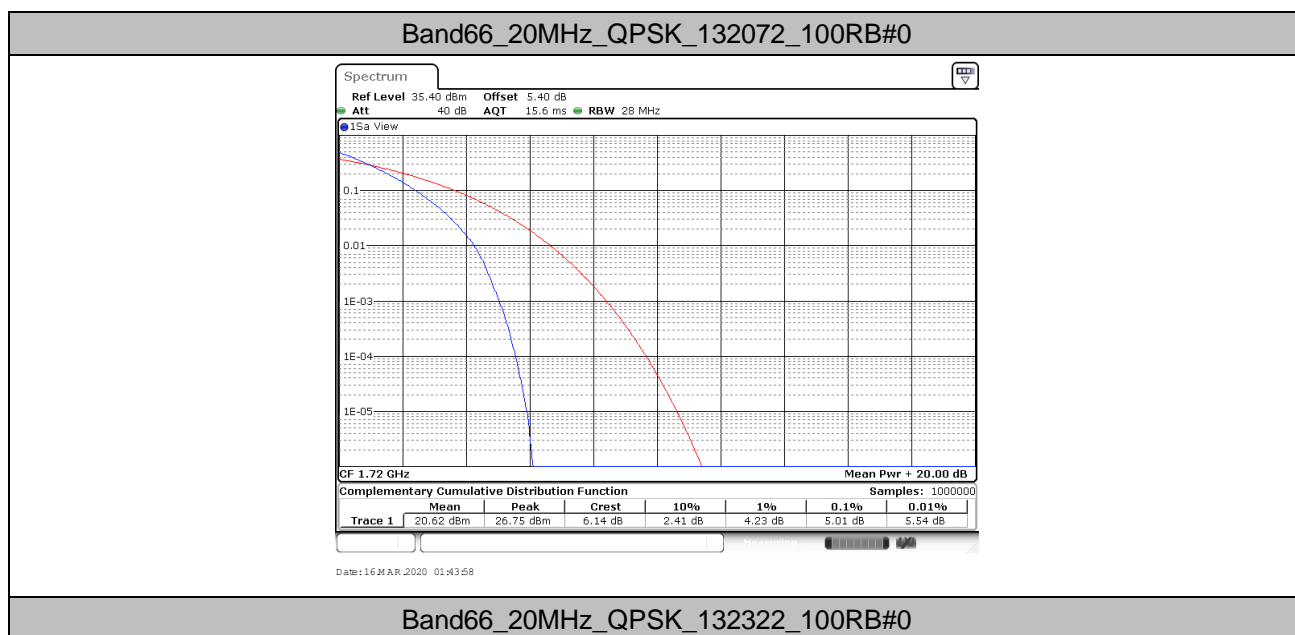
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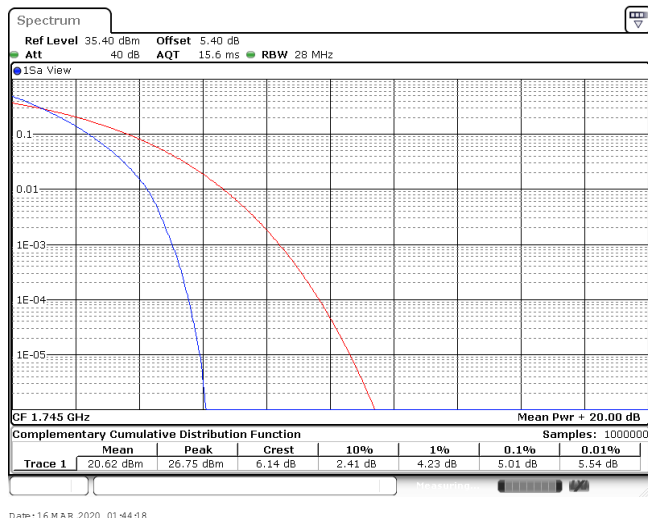
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

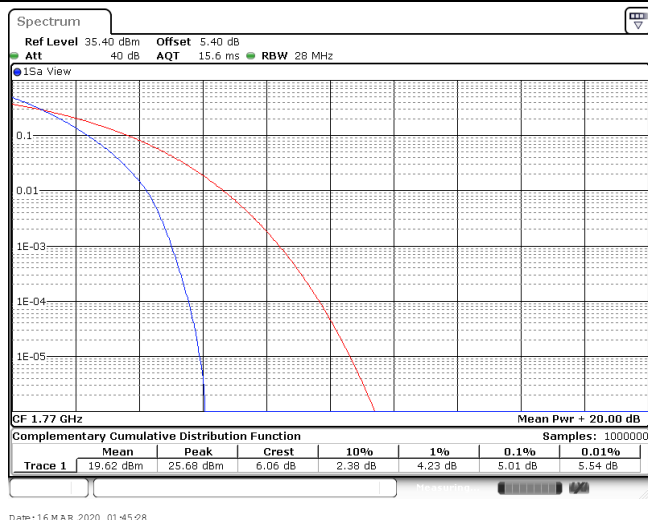
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.01	13.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.01	13.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.01	13.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.97	13.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.91	13.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.94	13.00	PASS

2.2. Test Plots



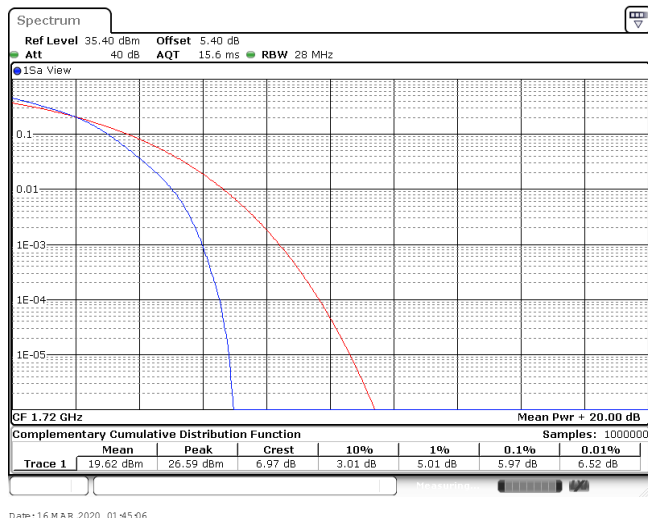


Band66_20MHz_QPSK_132572_100RB#0

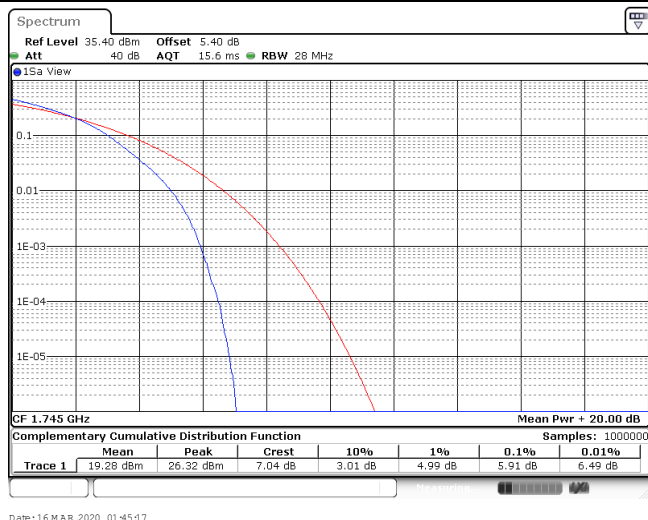


Band66_20MHz_16QAM_132072_100RB#0



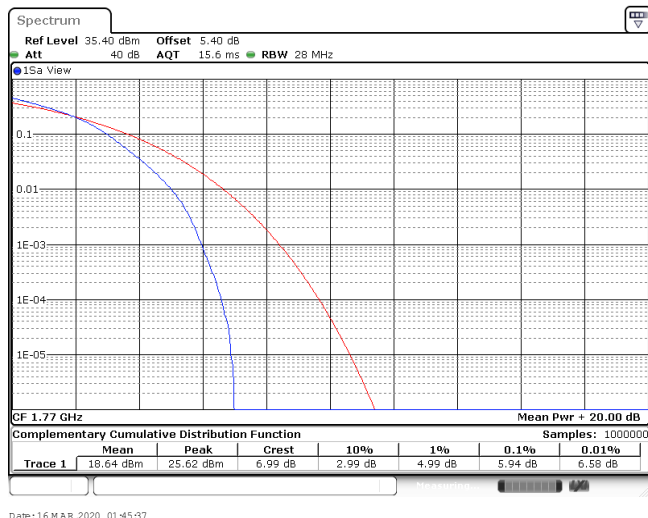


Band66_20MHz_16QAM_132322_100RB#0



Band66_20MHz_16QAM_132572_100RB#0





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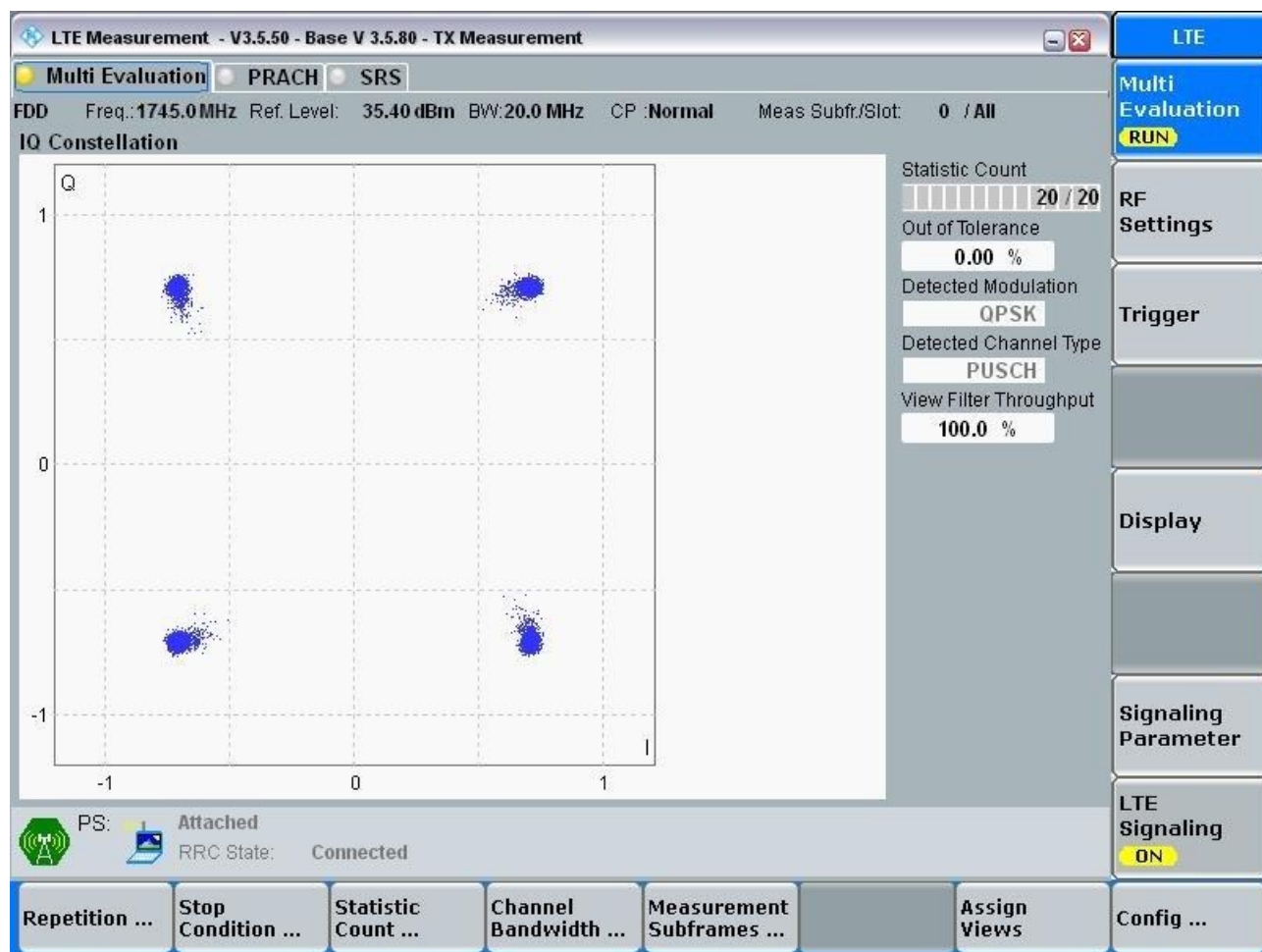
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3. Modulation Characteristics

3.1. Test Band = LTE Band 66

3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



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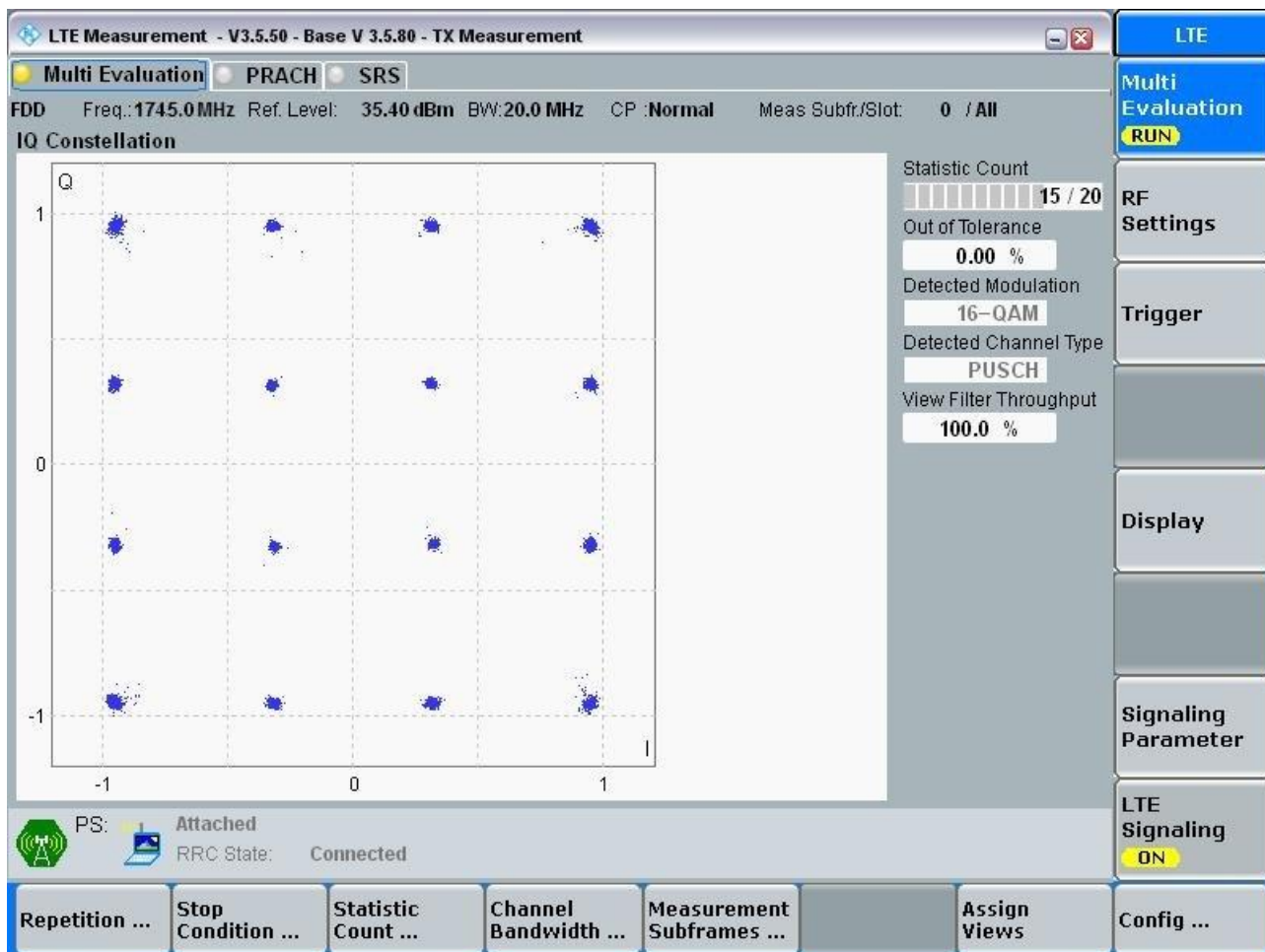
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3.3. Test Mode = LTE /TM2 20MHz

3.3.1. 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	1.287	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.094	1.287	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.293	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.088	1.284	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.287	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.287	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	3.000	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.697	3.000	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.691	3.000	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.964	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.976	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	2.970	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.466	4.910	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.466	4.920	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.466	4.920	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	4.940	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.476	4.920	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.476	4.940	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.720	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.720	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.931	9.780	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	13.397	14.760	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.397	14.790	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.397	14.550	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.427	14.610	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.427	14.730	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.440	PASS



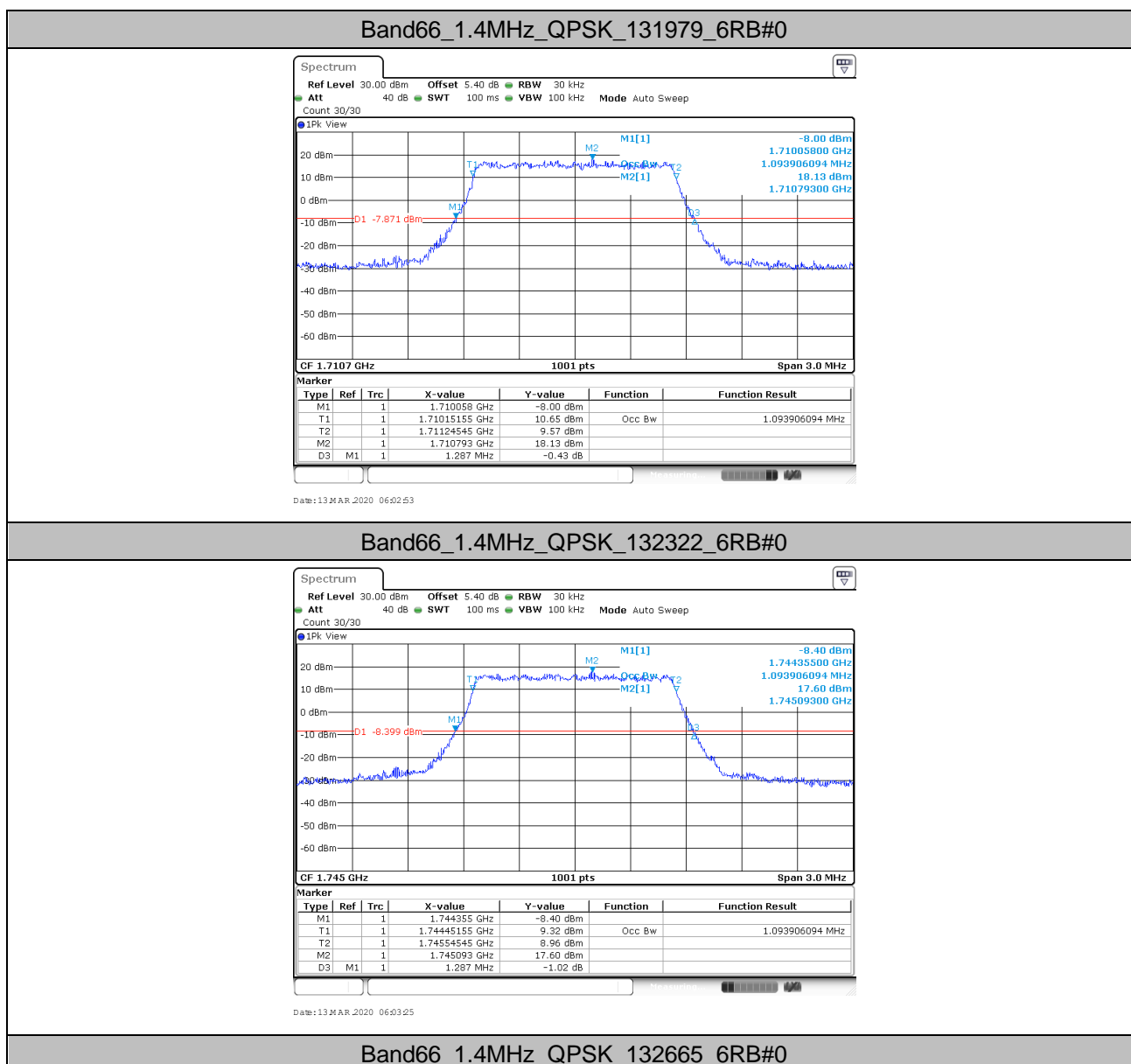
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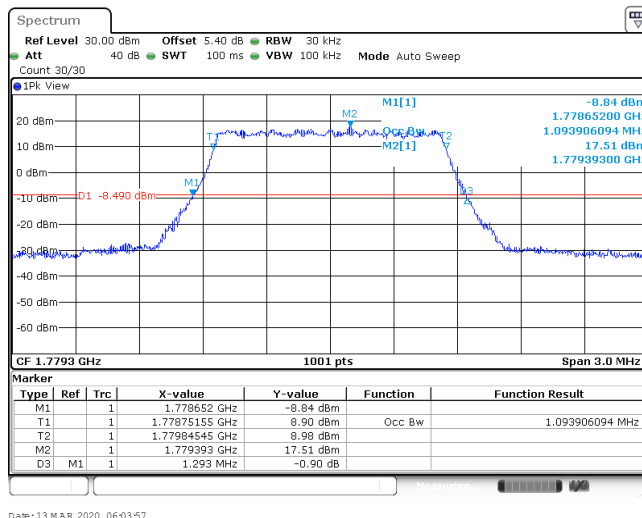
Band66	20MHz	QPSK	132322	100RB#0	17.862	19.360	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.822	19.400	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.822	19.400	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.822	19.360	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.822	19.440	PASS

4.2. Test Plots



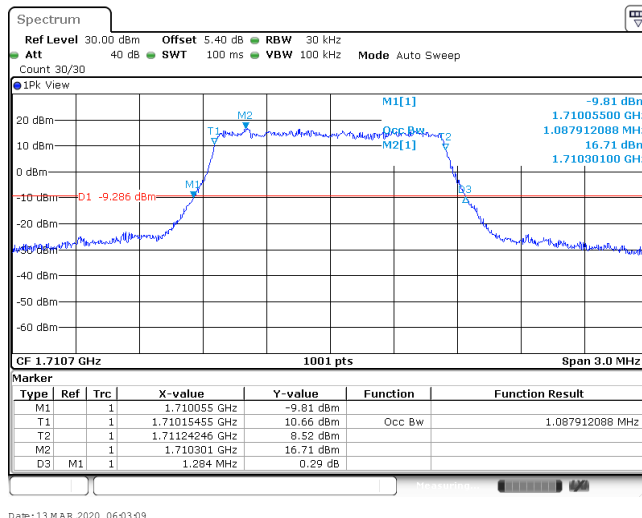
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Date: 13 MAR 2020 06:03:57

Band66_1.4MHz_16QAM_131979_6RB#0



Date: 13 MAR 2020 06:03:09

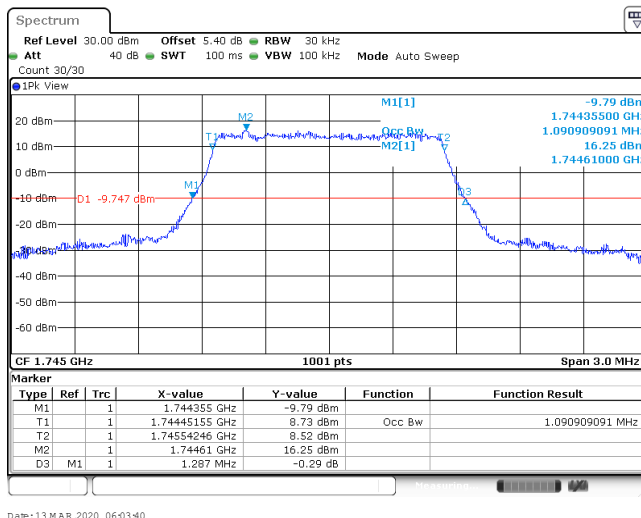
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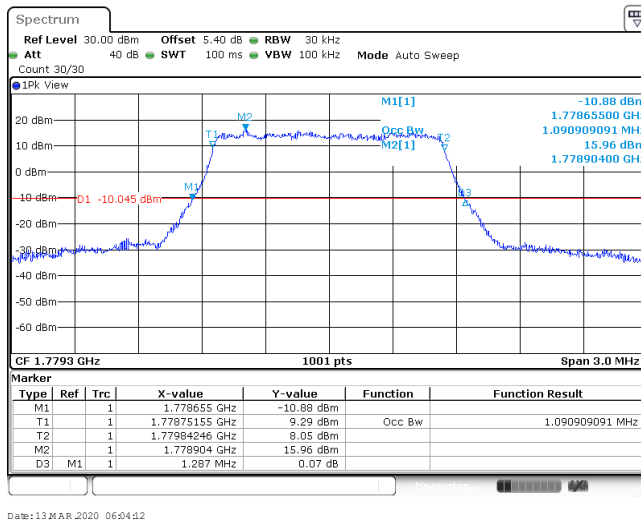
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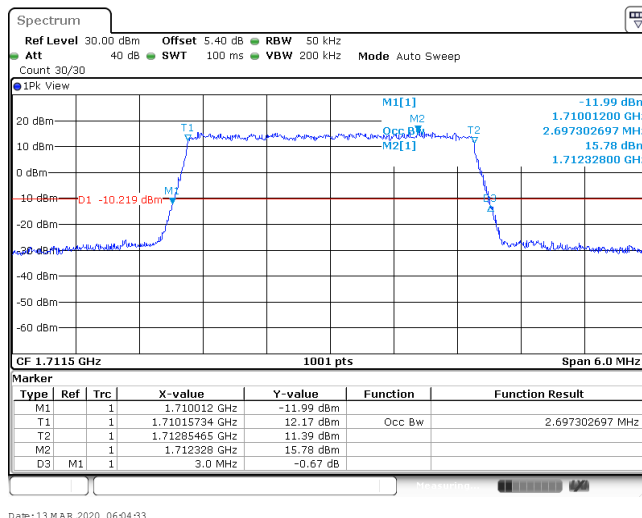


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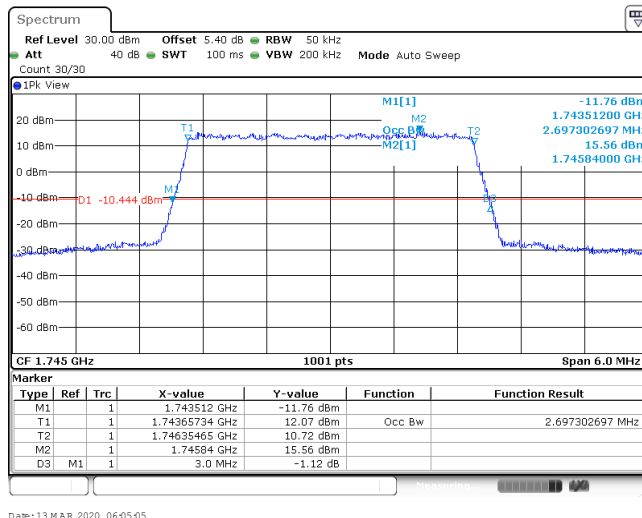
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Band66_3MHz_QPSK_132322_15RB#0



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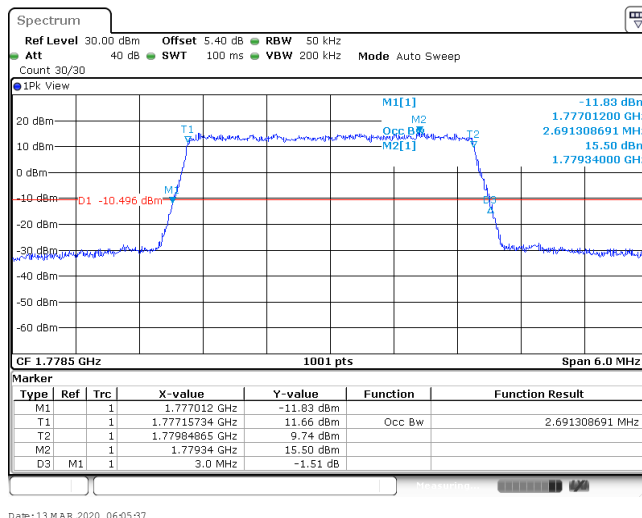


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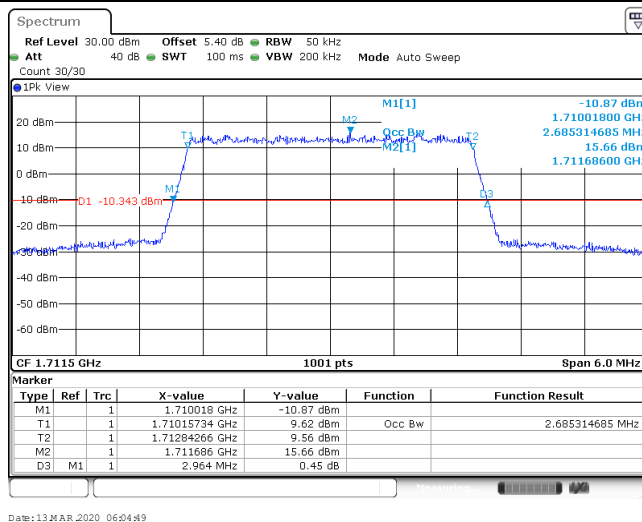
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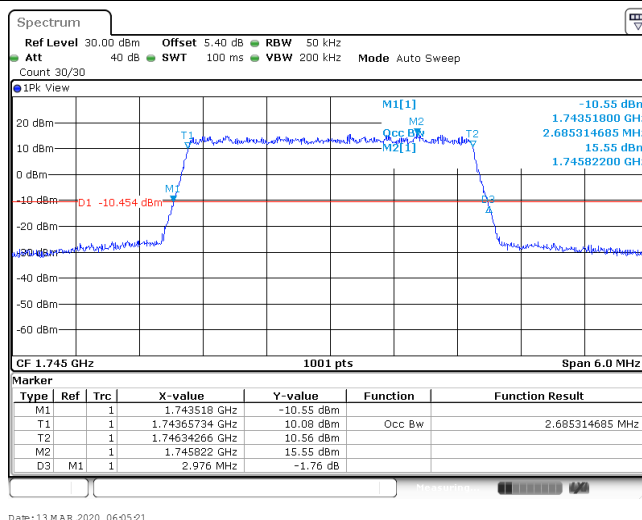


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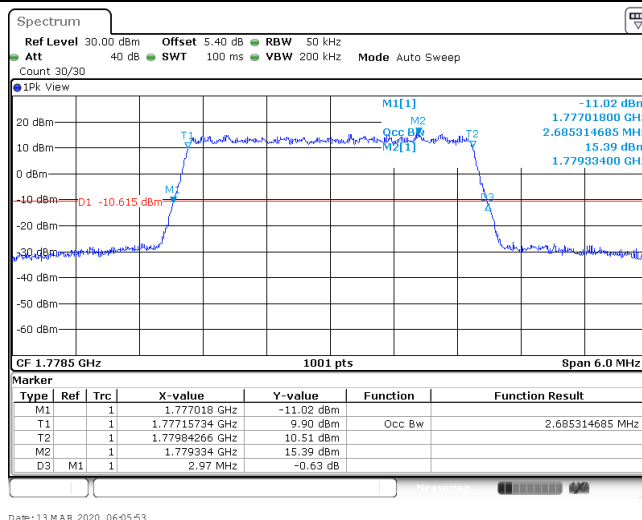


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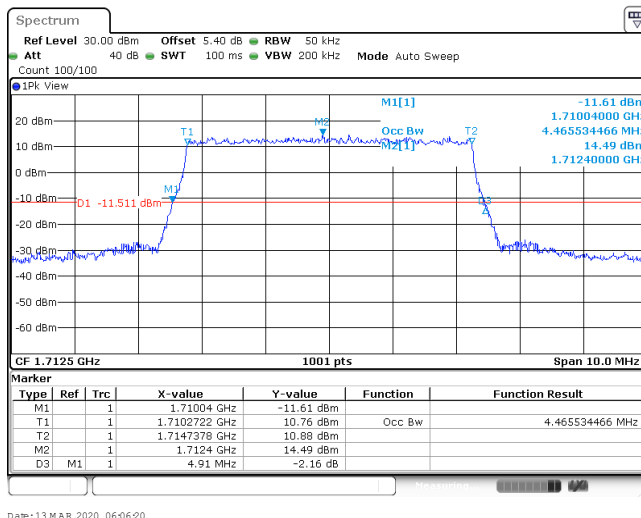


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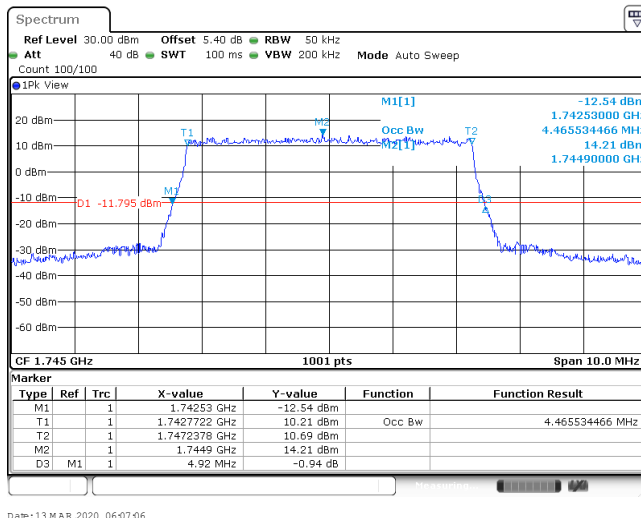


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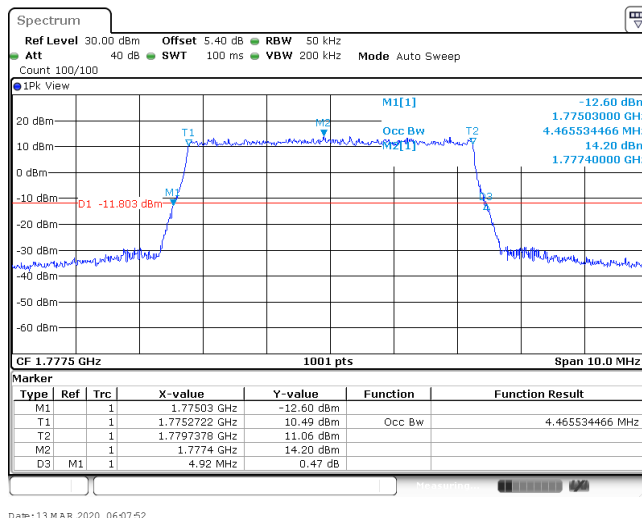


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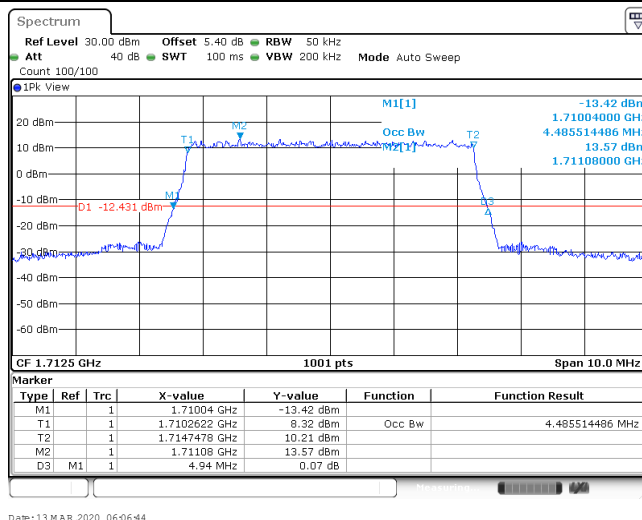


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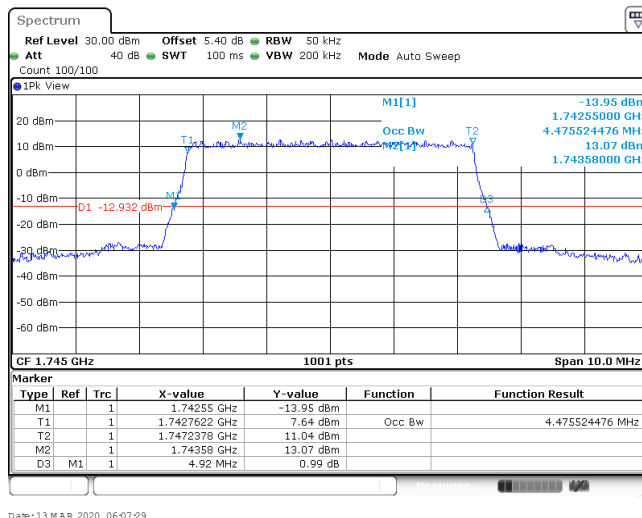


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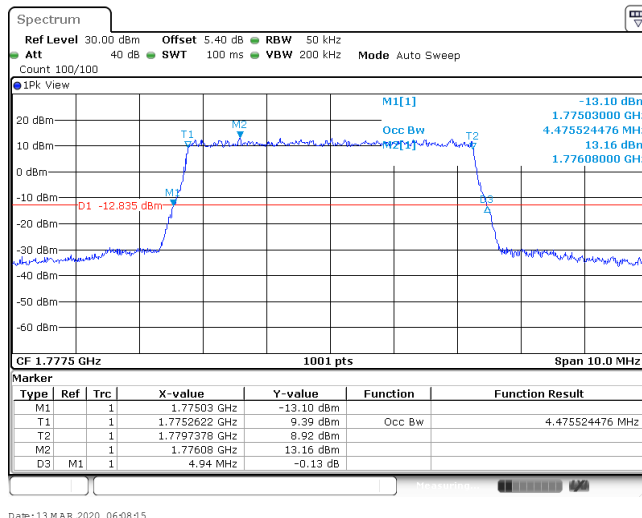
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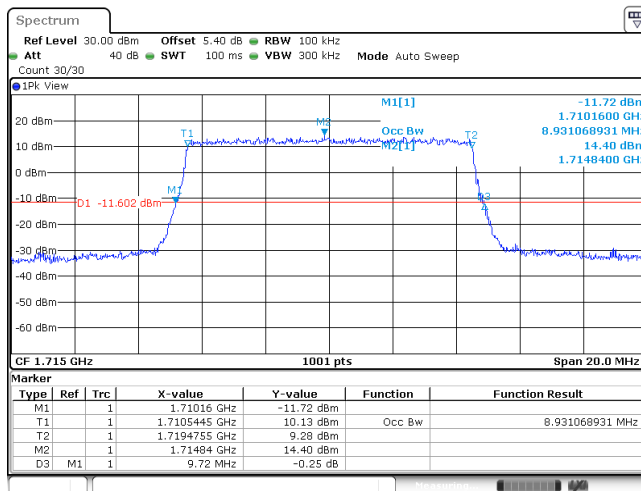
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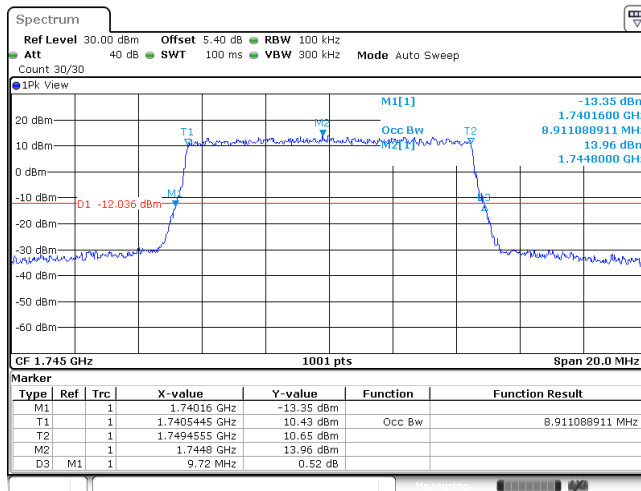
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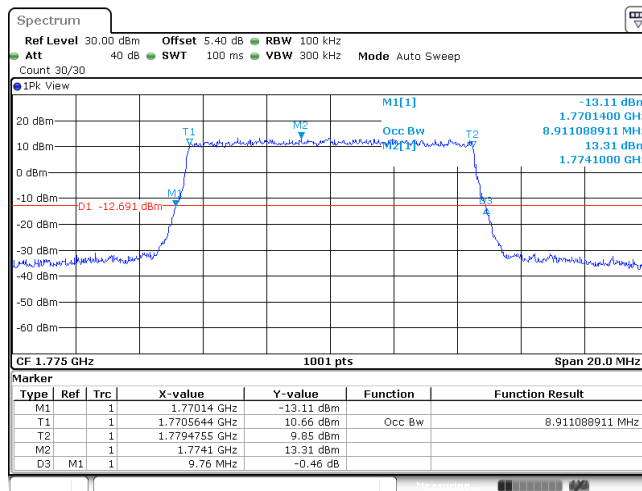
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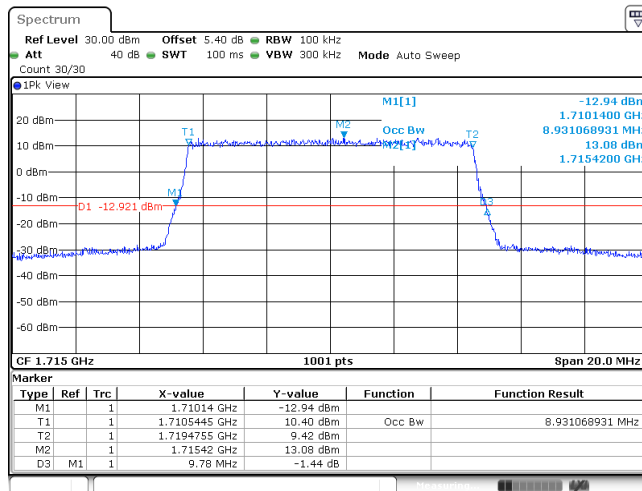
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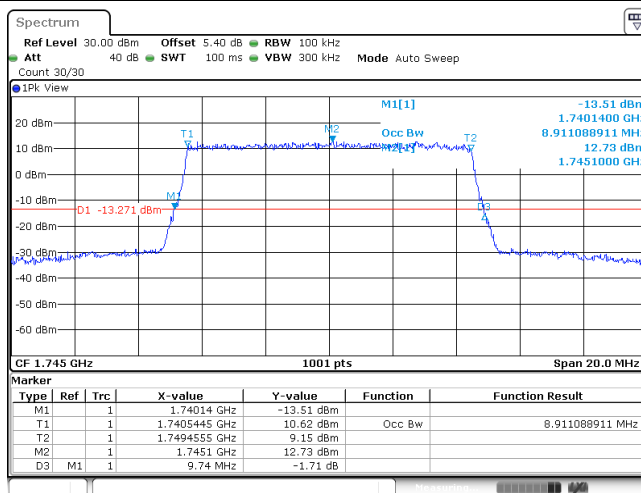
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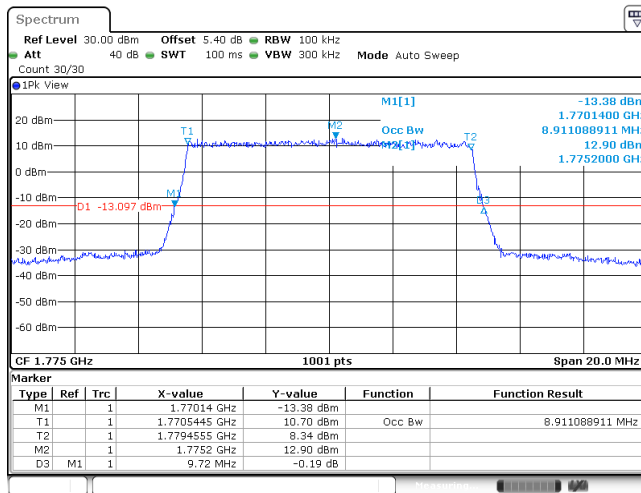
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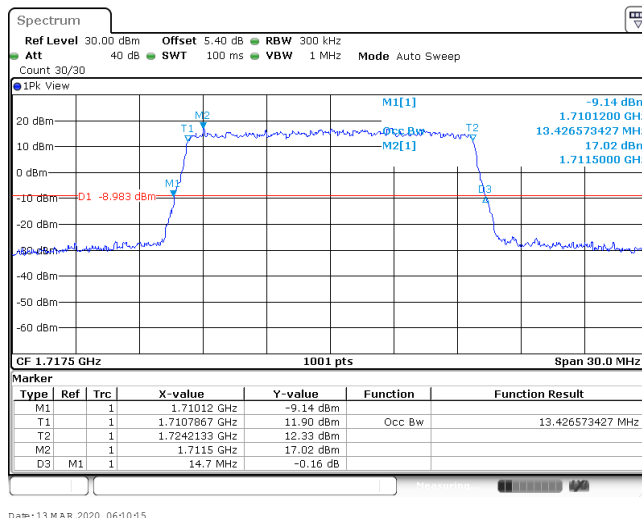
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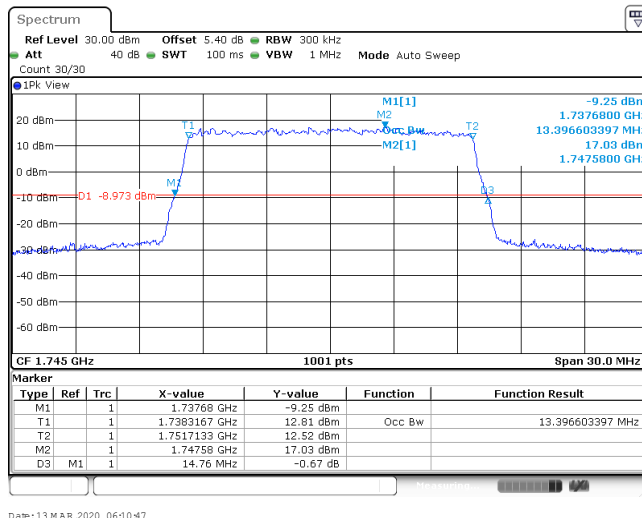
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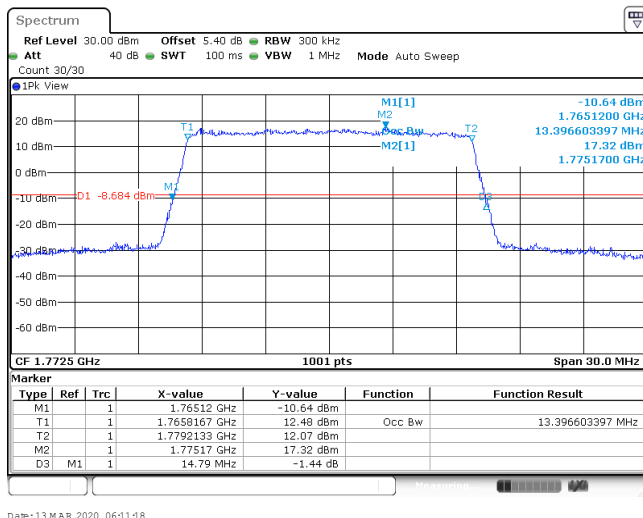


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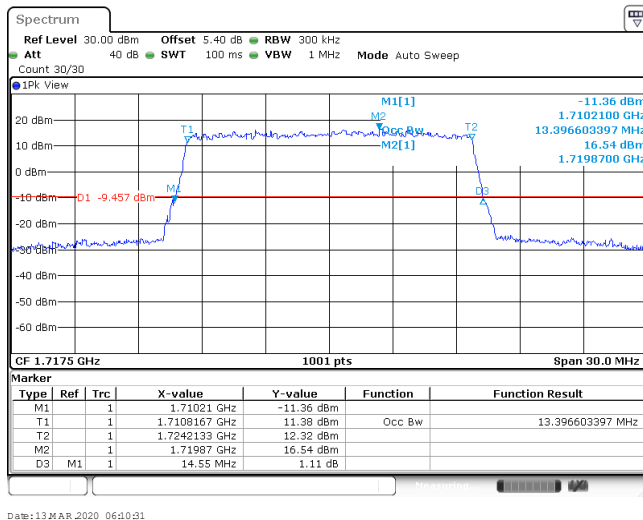


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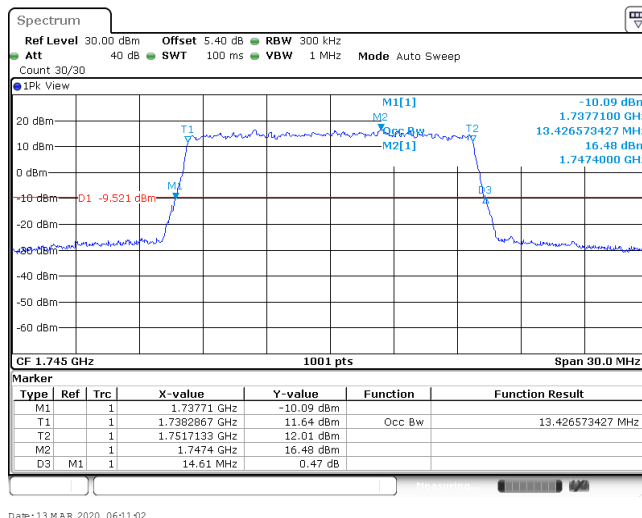


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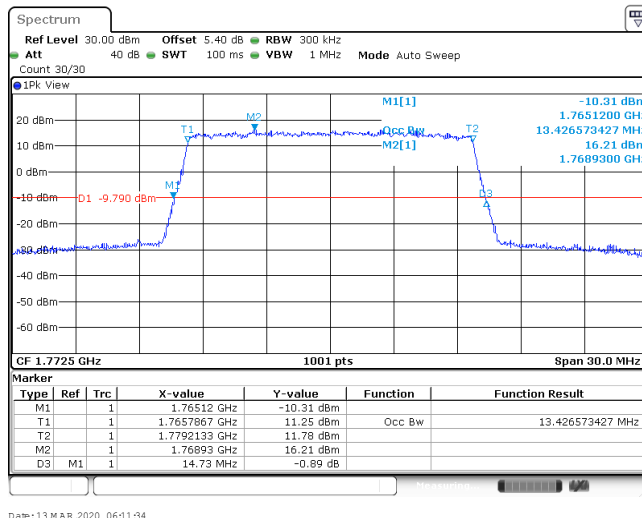
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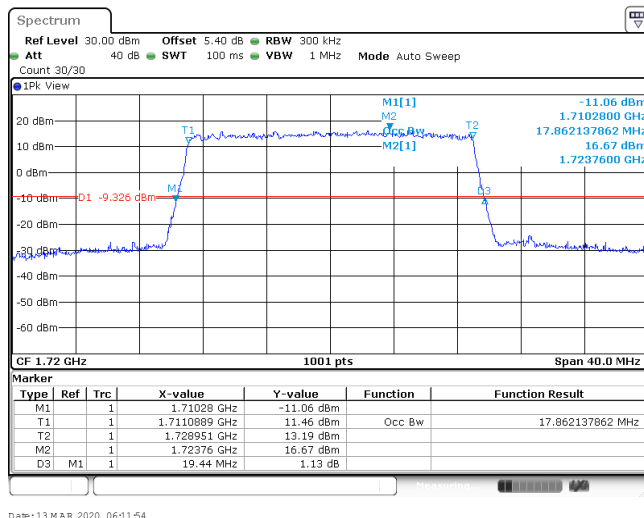
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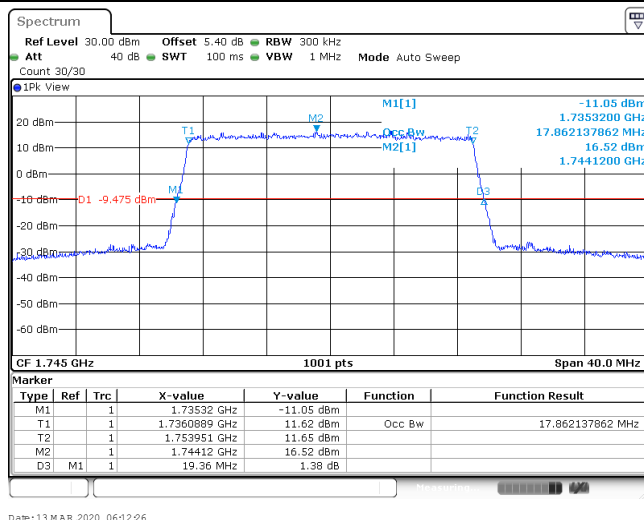


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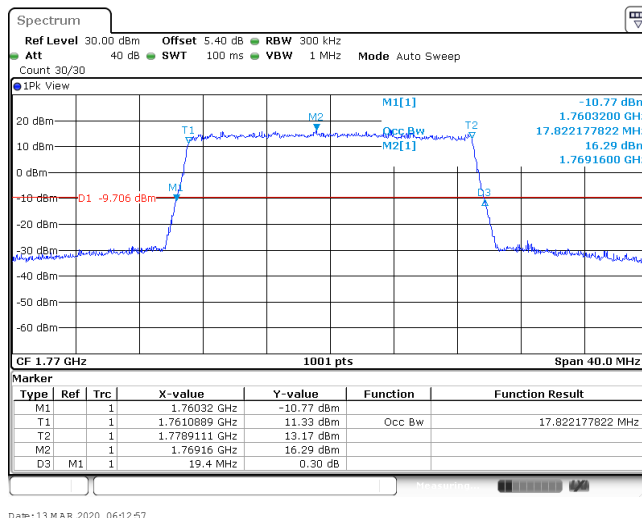


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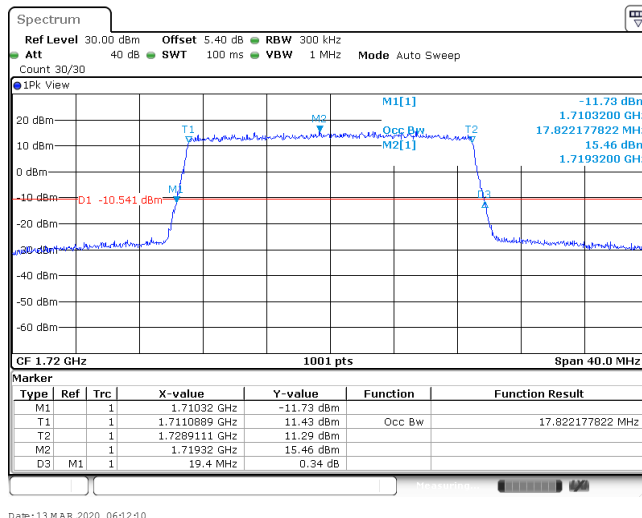


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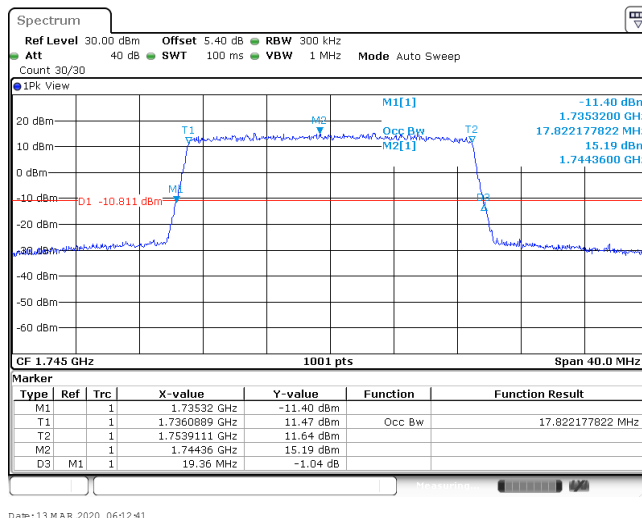


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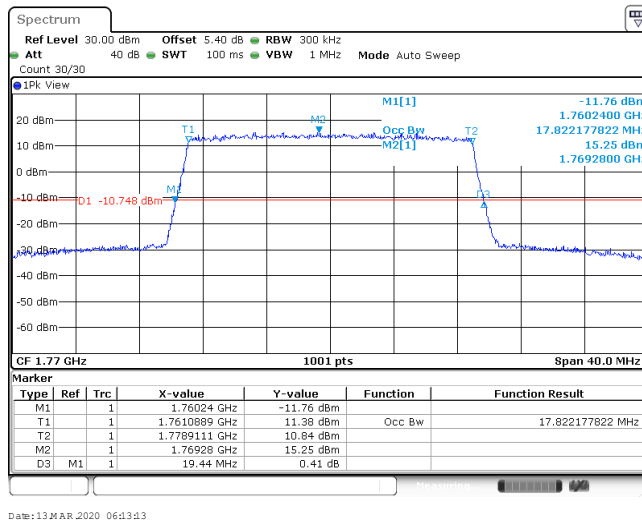


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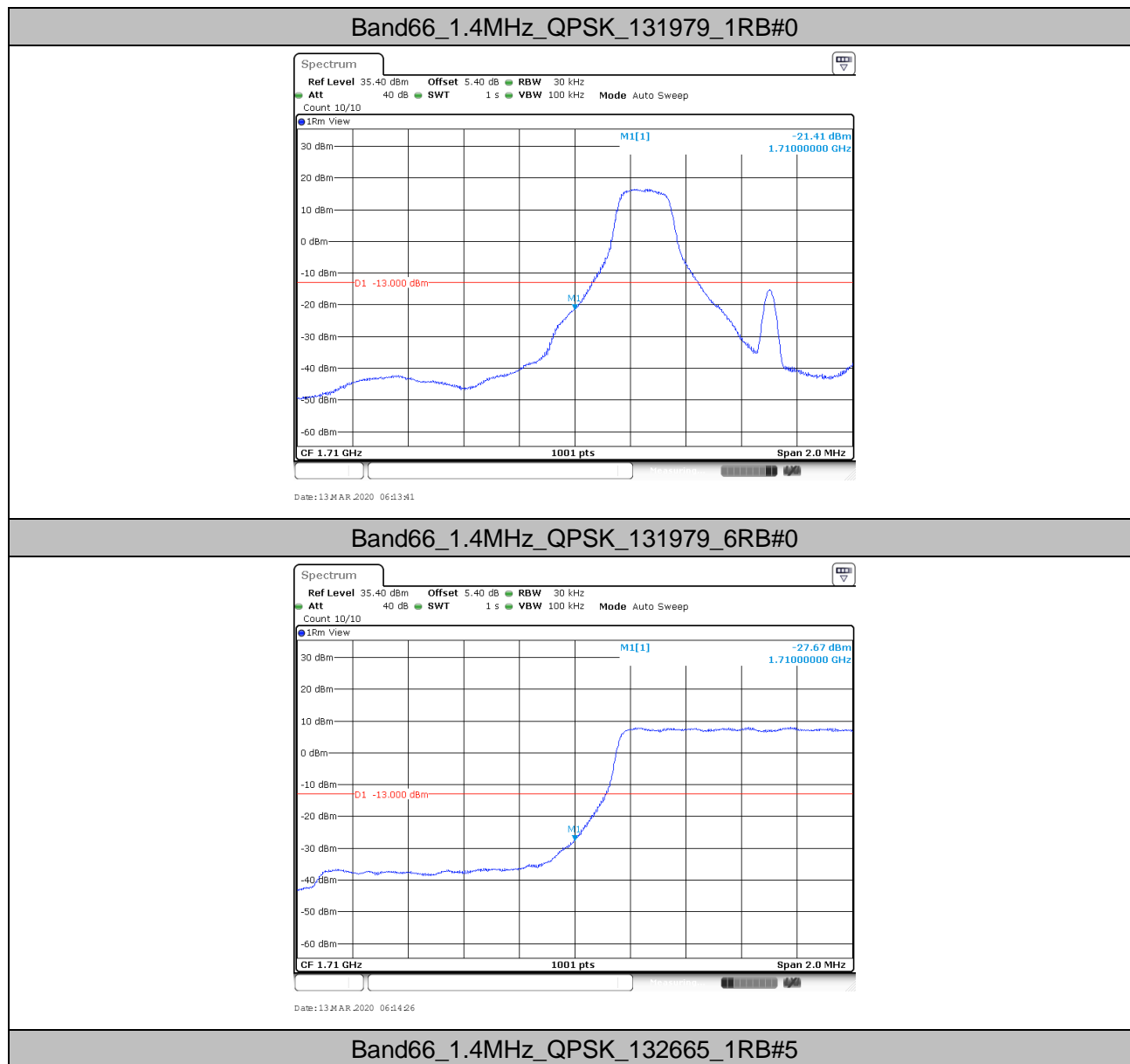


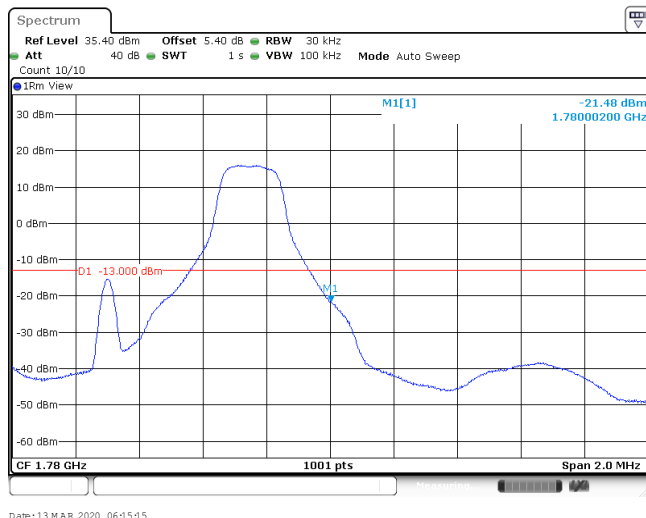
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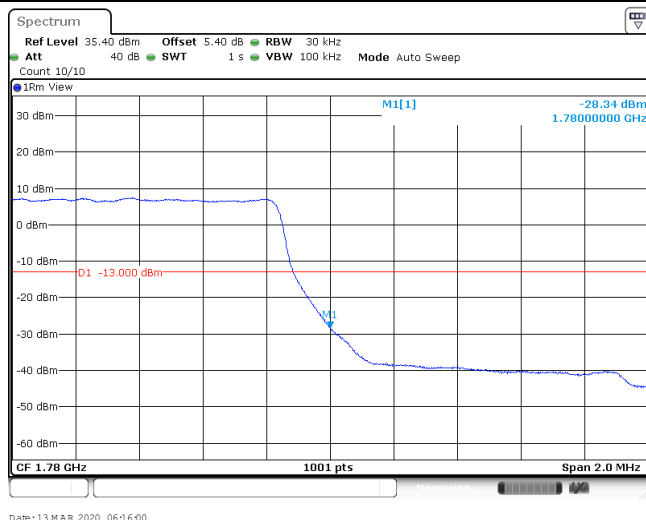
5. Band Edge Compliance

5.1. Test Plots



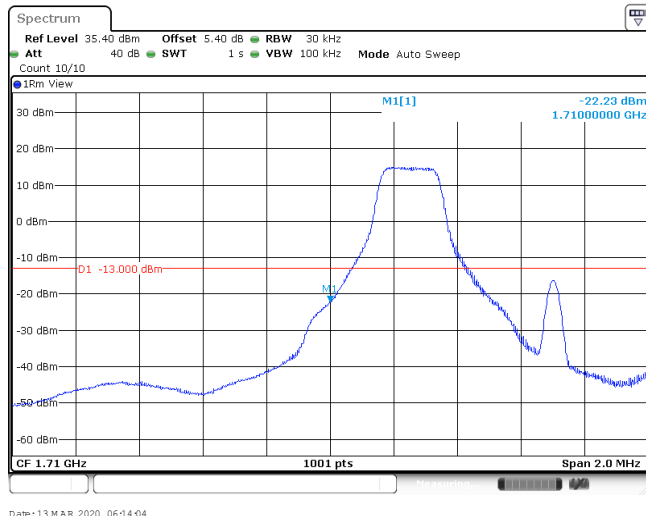


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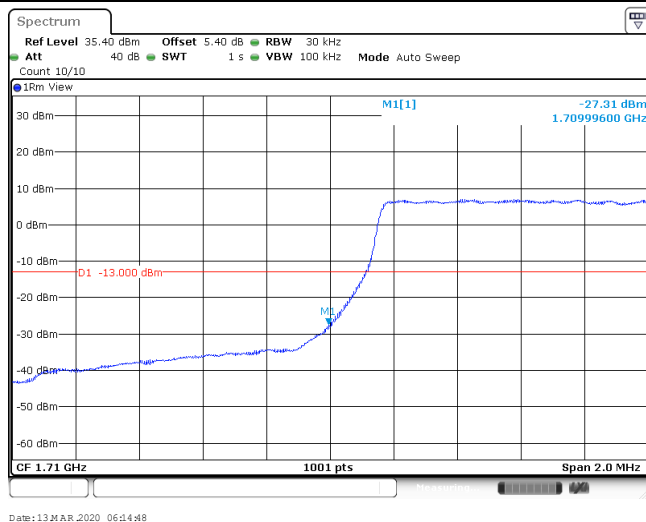


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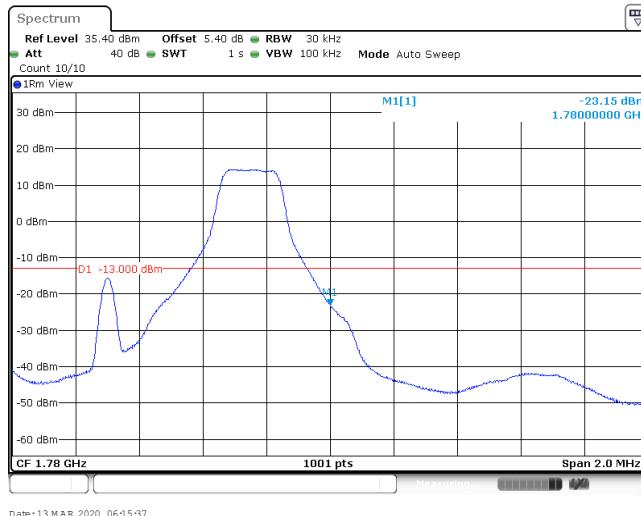


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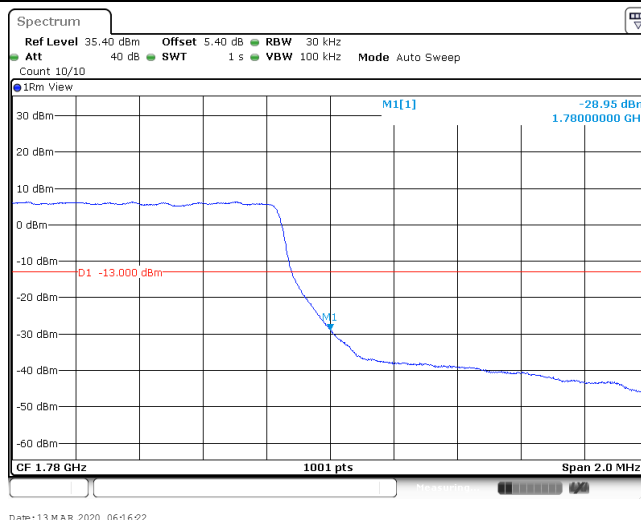


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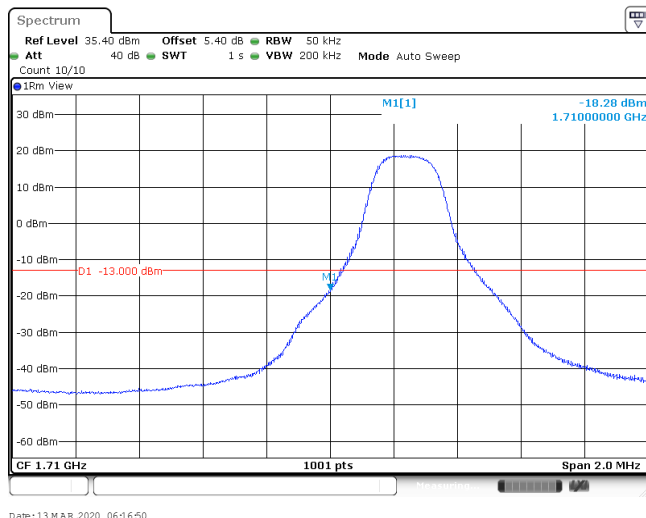
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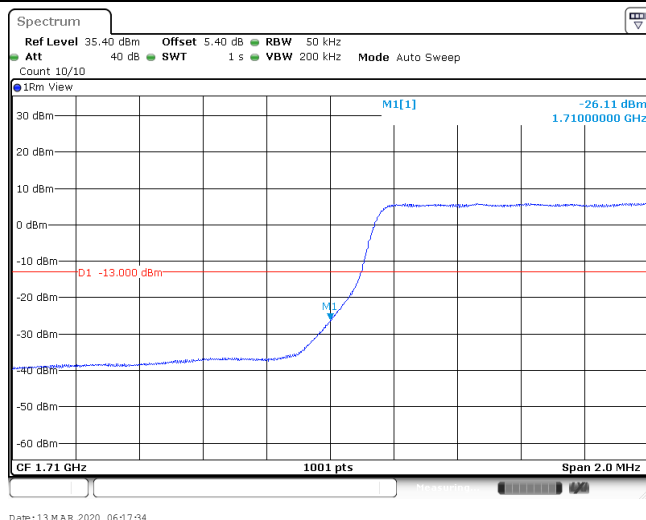
Band66_3MHz_QPSK_131987_1RB#0



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Band66_3MHz_QPSK_131987_15RB#0



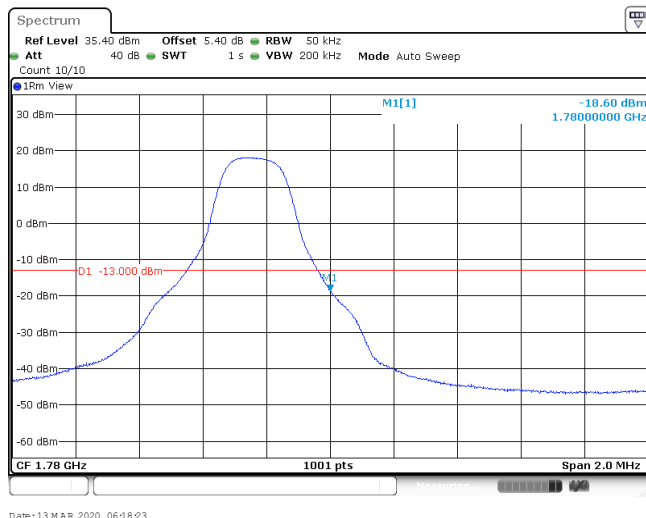
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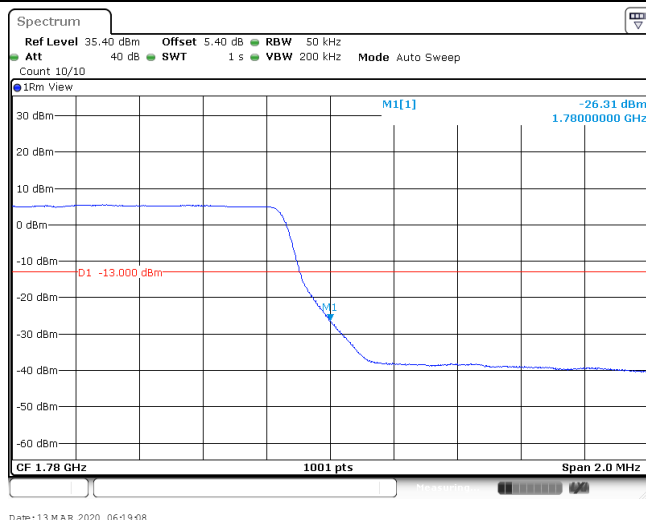
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Shenzhen Branch, CCC Laboratory

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
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

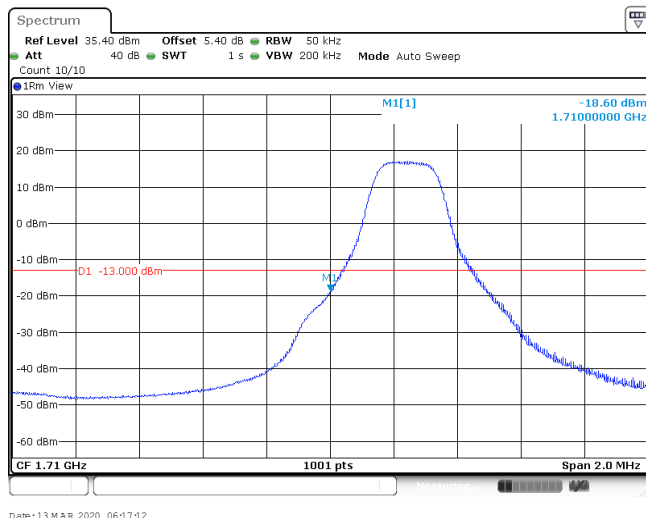


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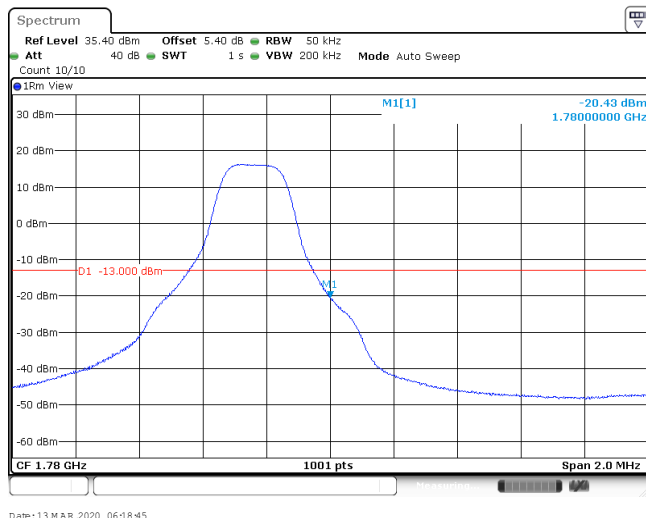


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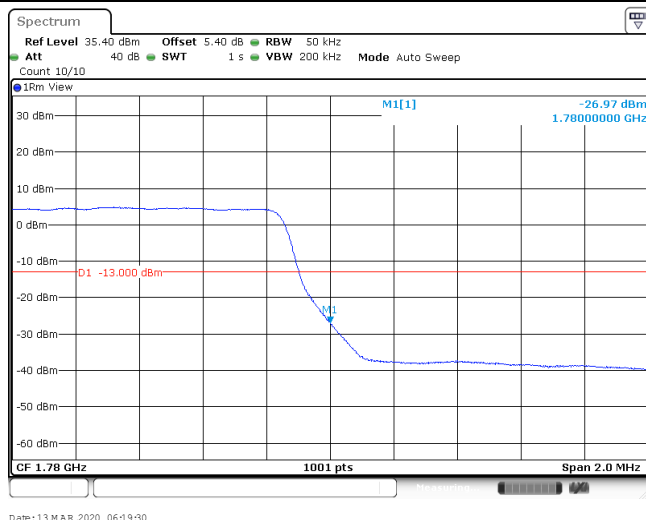


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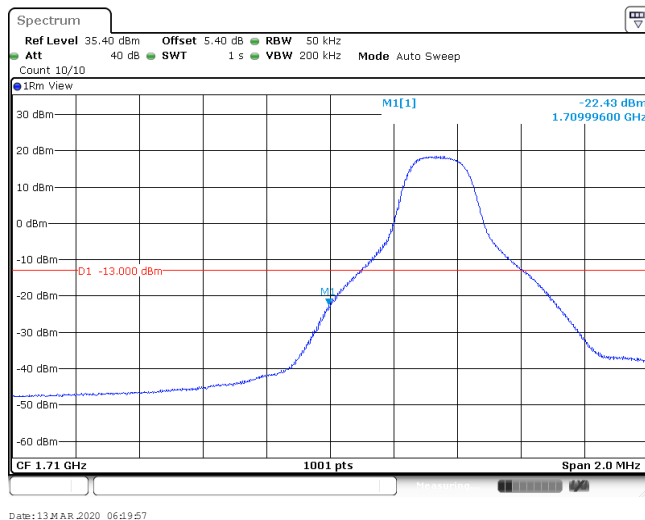


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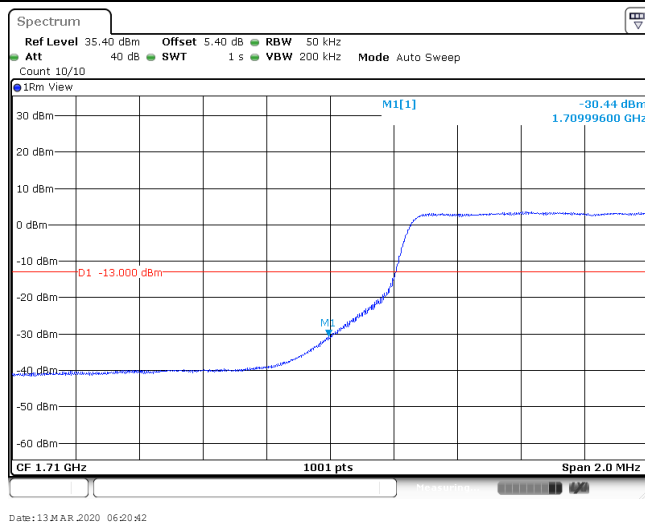


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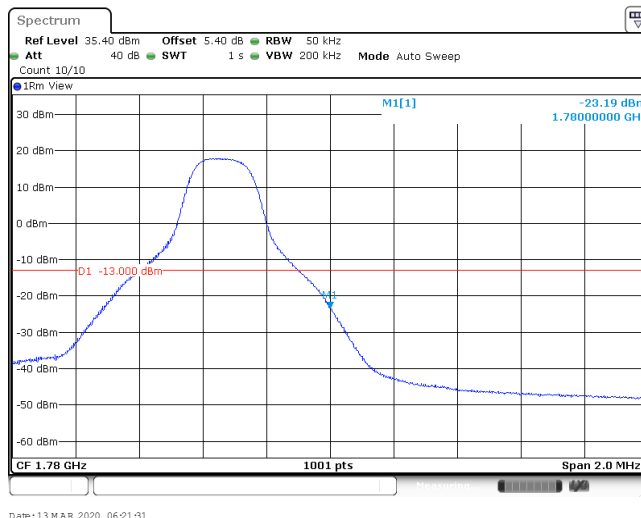


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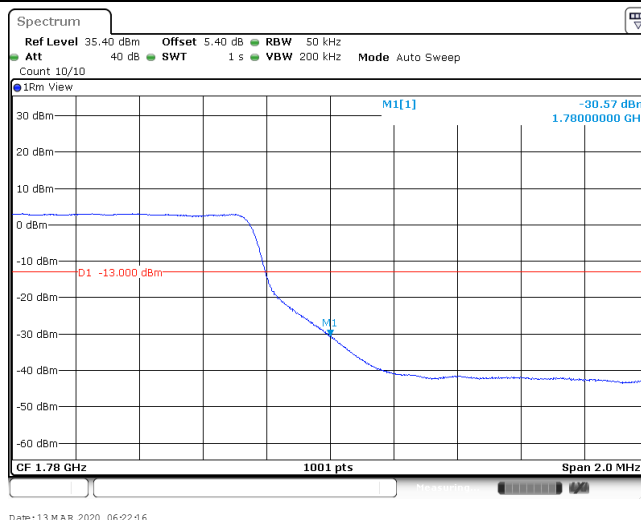


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Band66 5MHz QPSK 132647 25RB#0



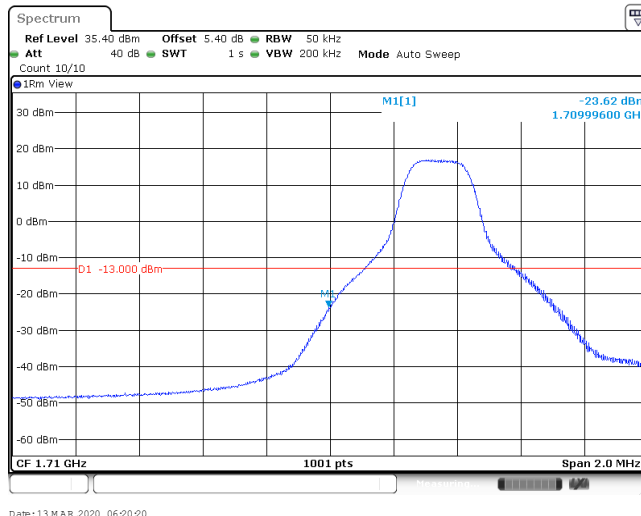
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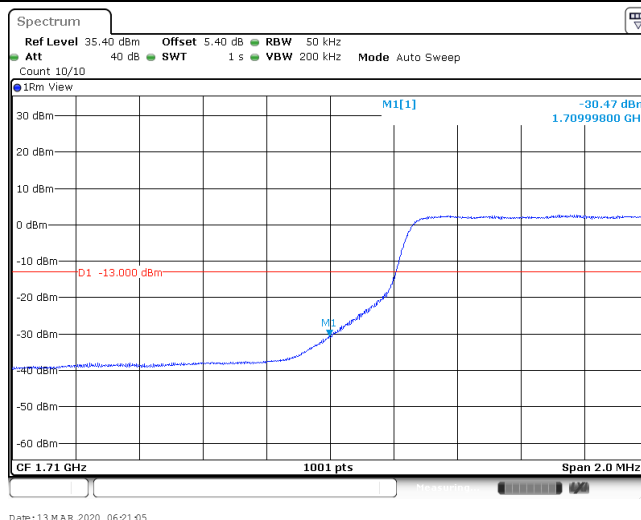
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Band66_5MHz_16QAM_131997_25RB#0

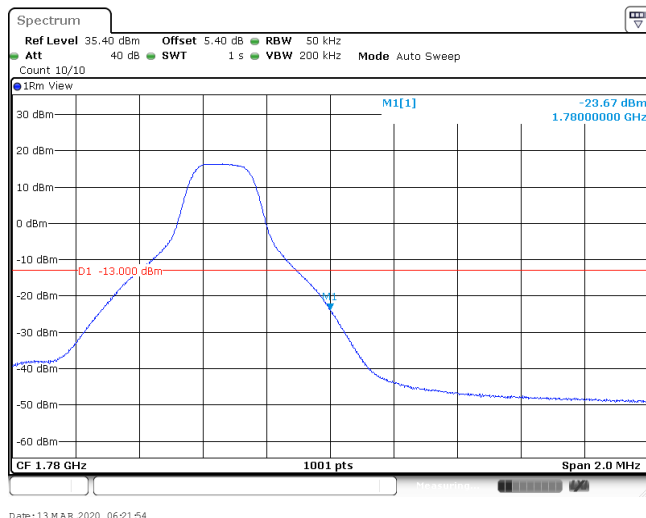


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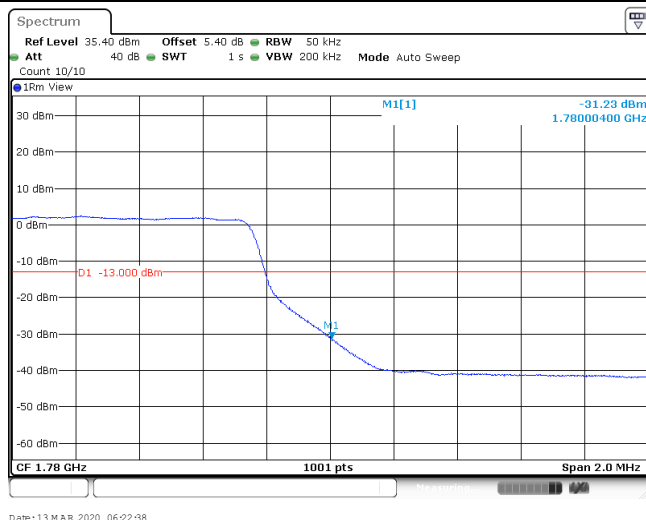


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Band66_5MHz_16QAM_132647_25RB#0

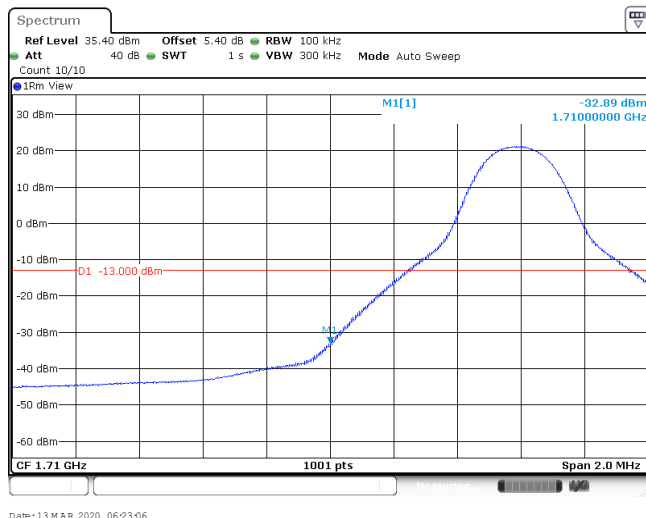


Band66_10MHz_QPSK_132022_1RB#0

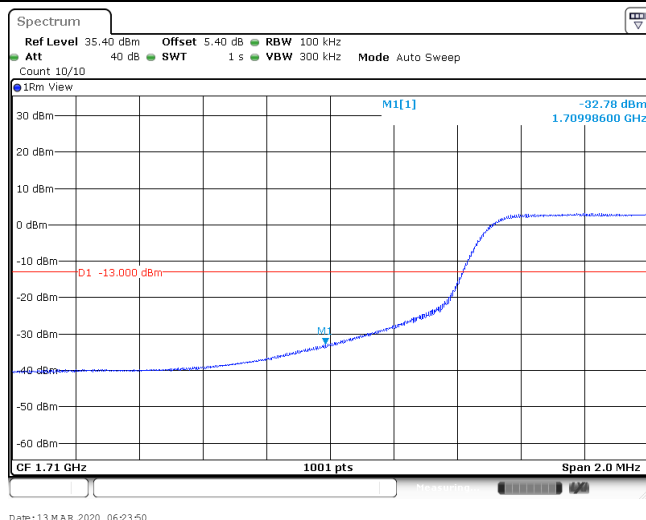


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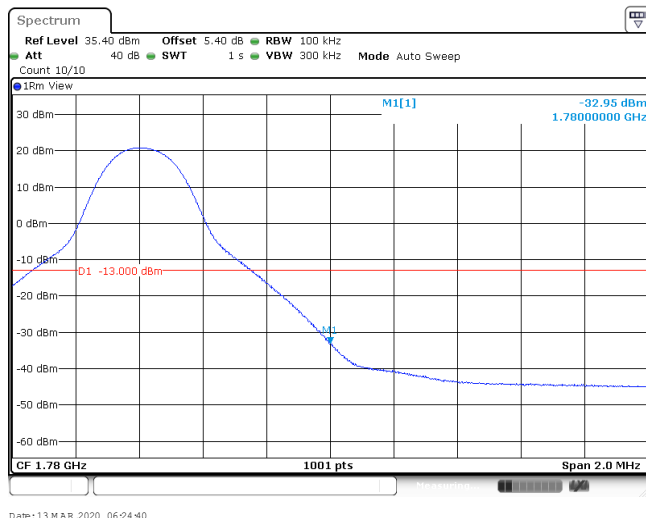
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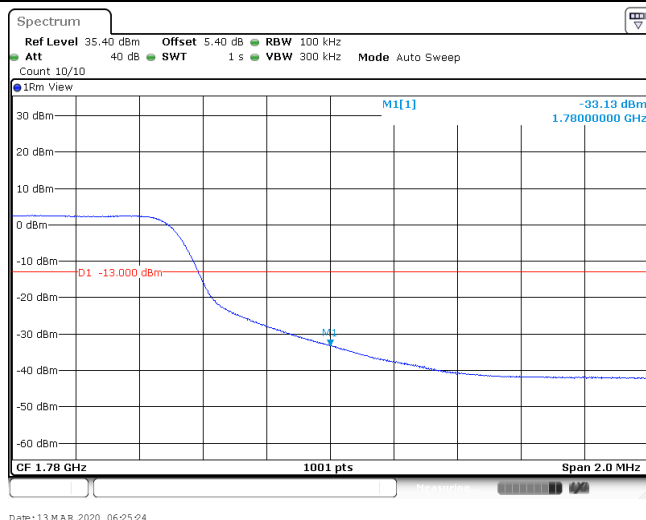
Band66_10MHz_QPSK_132622_1RB#49



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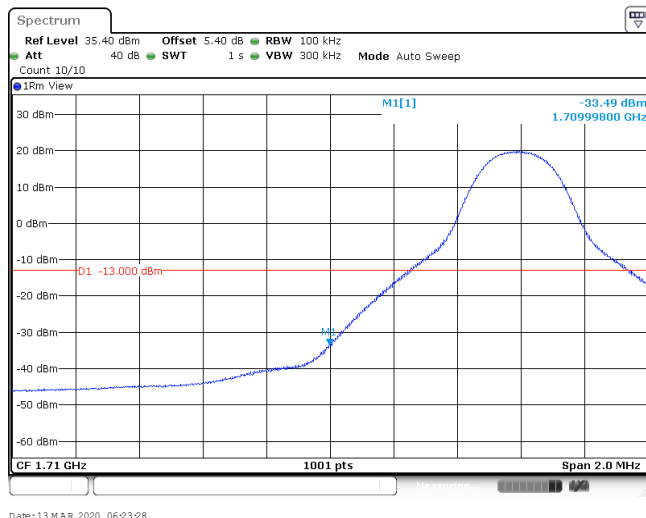
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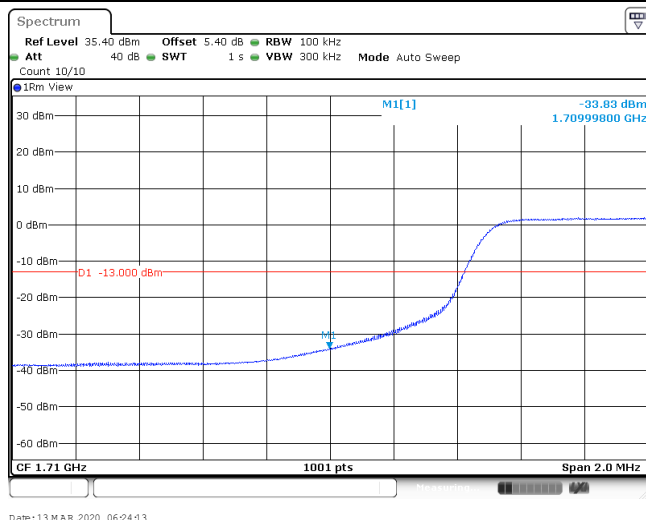
Band66_10MHz_16QAM_132022_1RB#0



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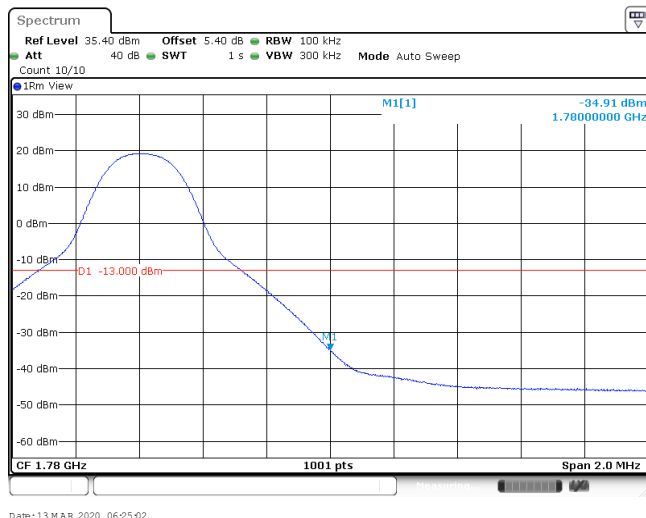
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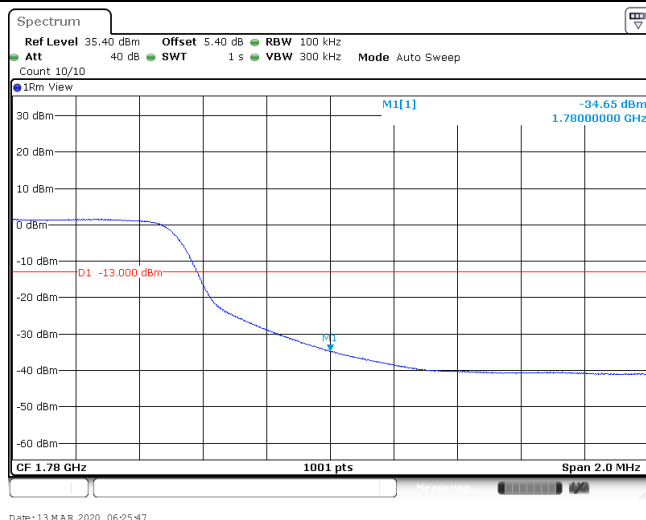
Band66_10MHz_16QAM_132622_1RB#49



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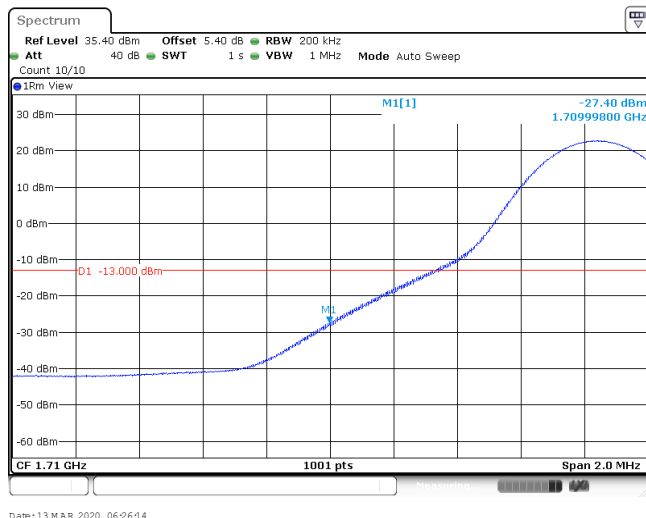
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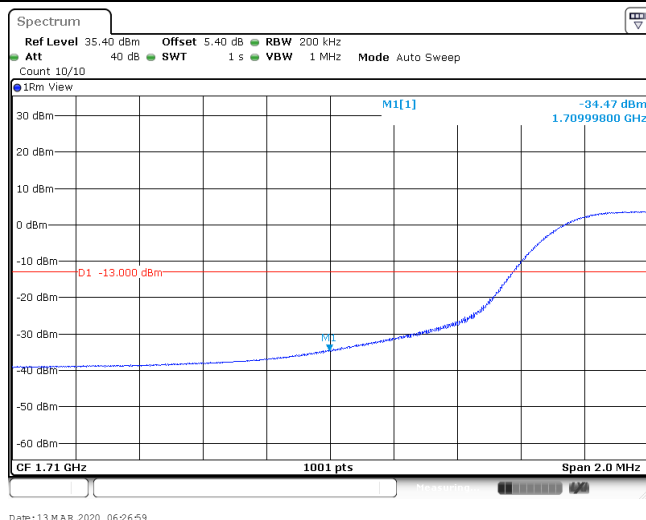
Band66_15MHz_QPSK_132047_1RB#0



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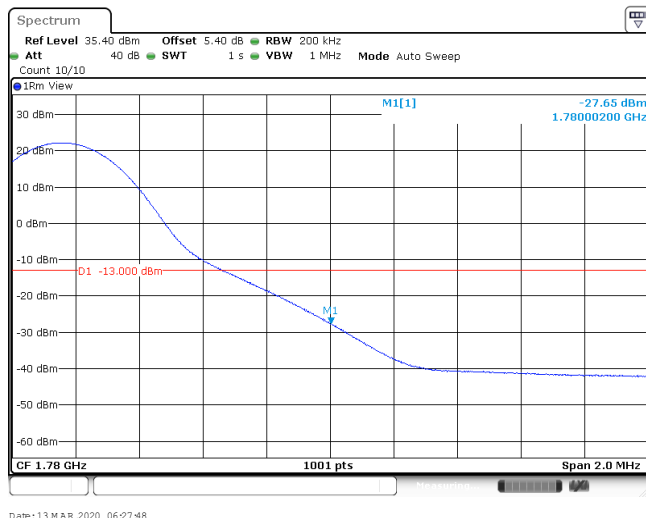
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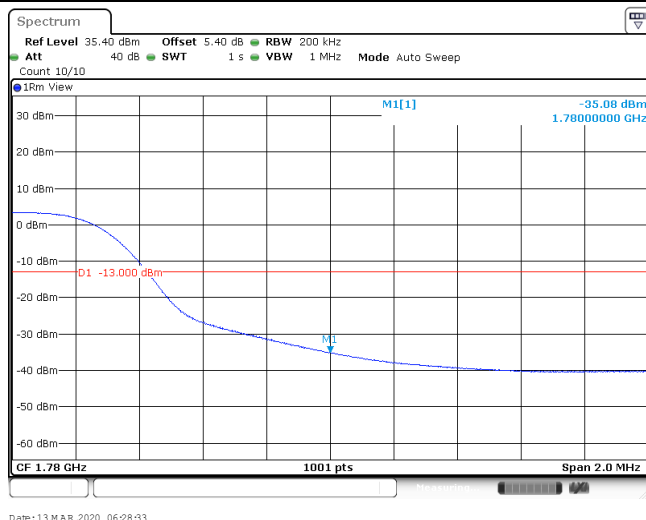
Band66_15MHz_QPSK_132597_1RB#74



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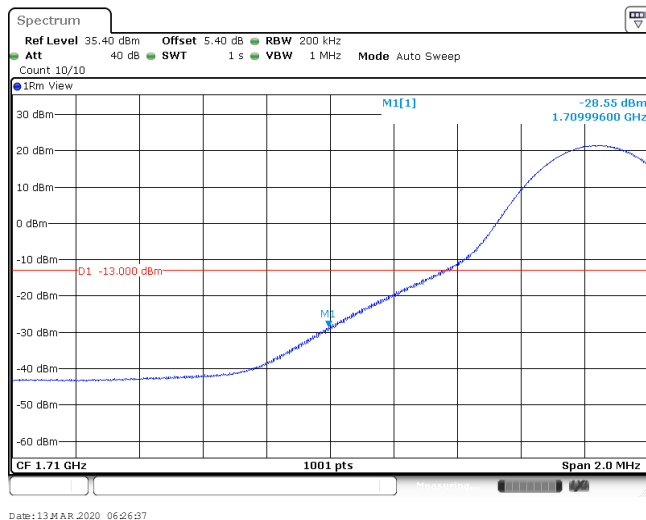
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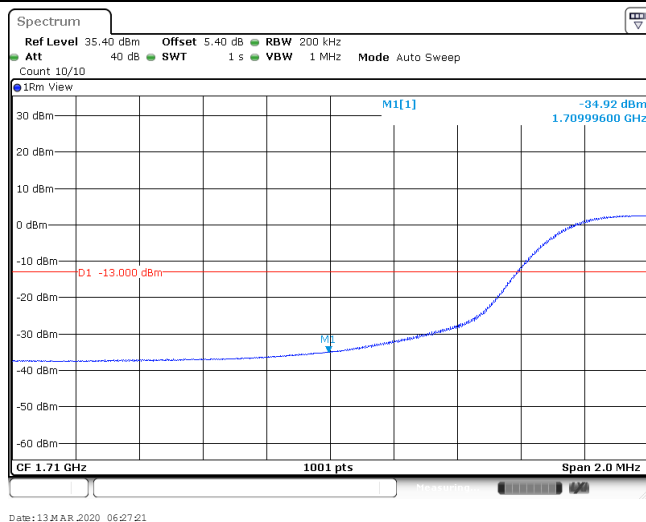
Band66_15MHz_16QAM_132047_1RB#0



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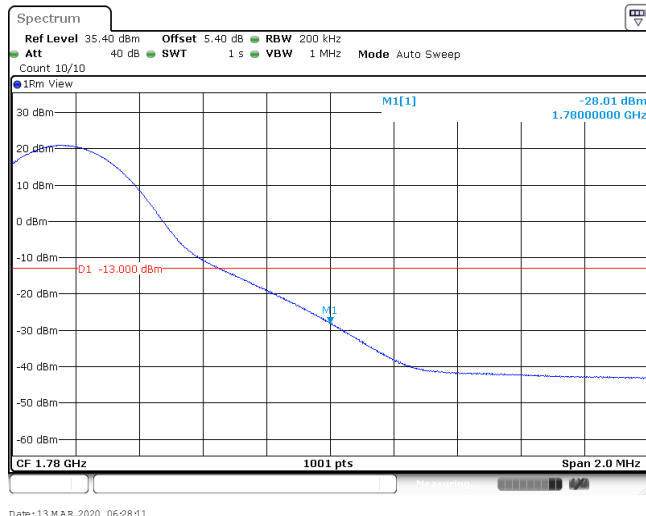


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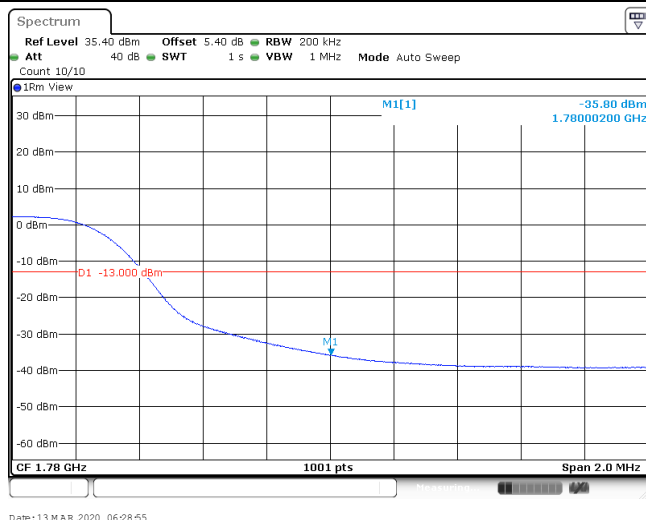


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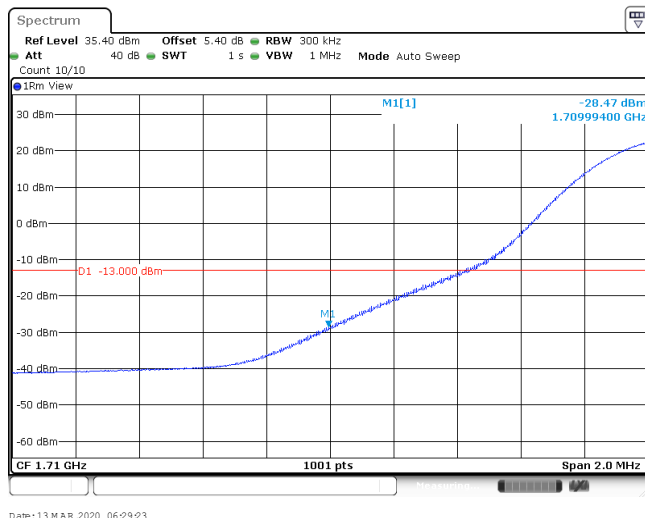


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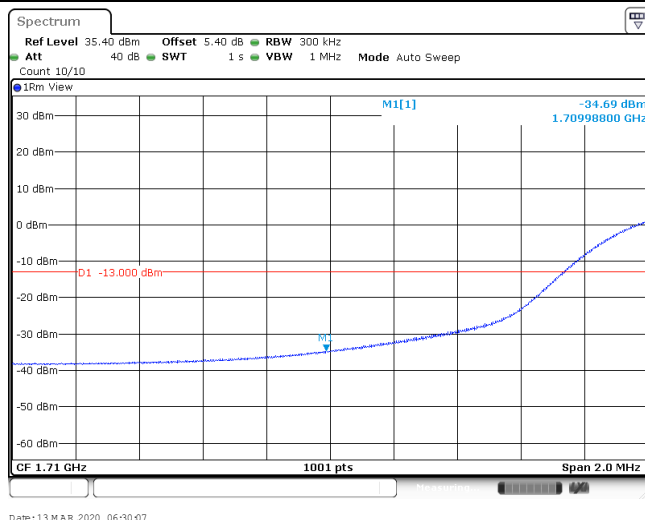


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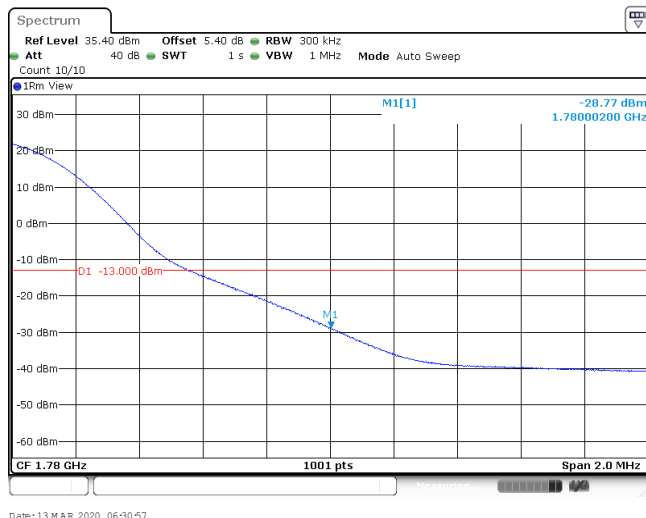


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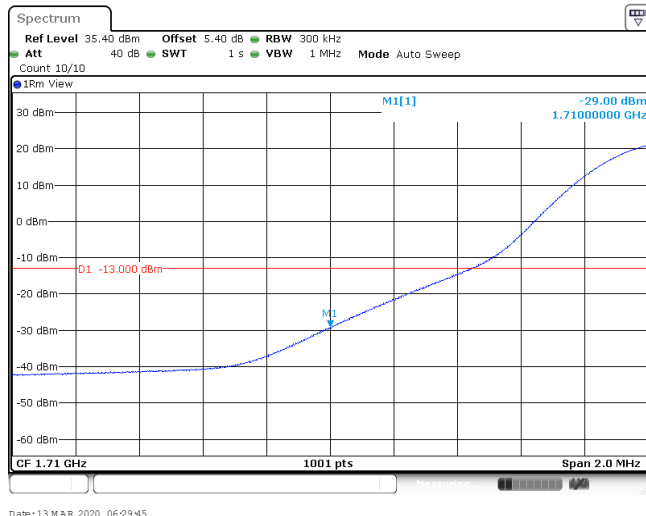


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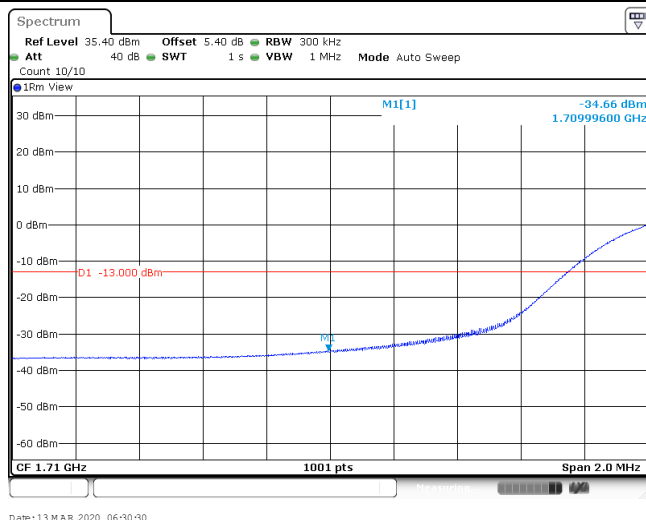


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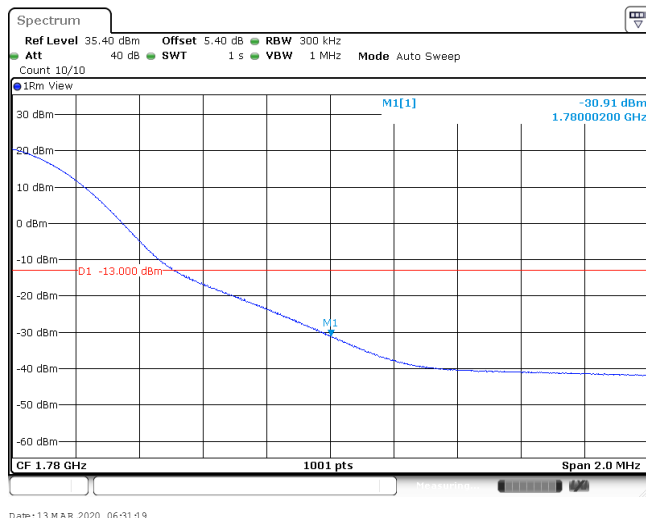


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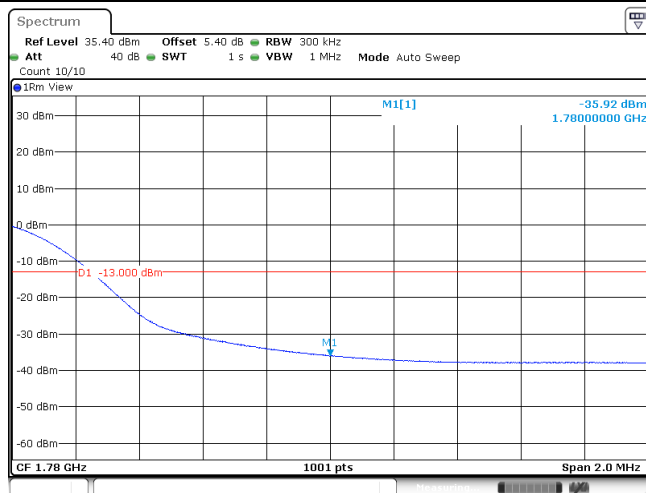
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Band66_20MHz_16QAM_132572_100RB#0



Date: 13 MAR 2020 06:32:04



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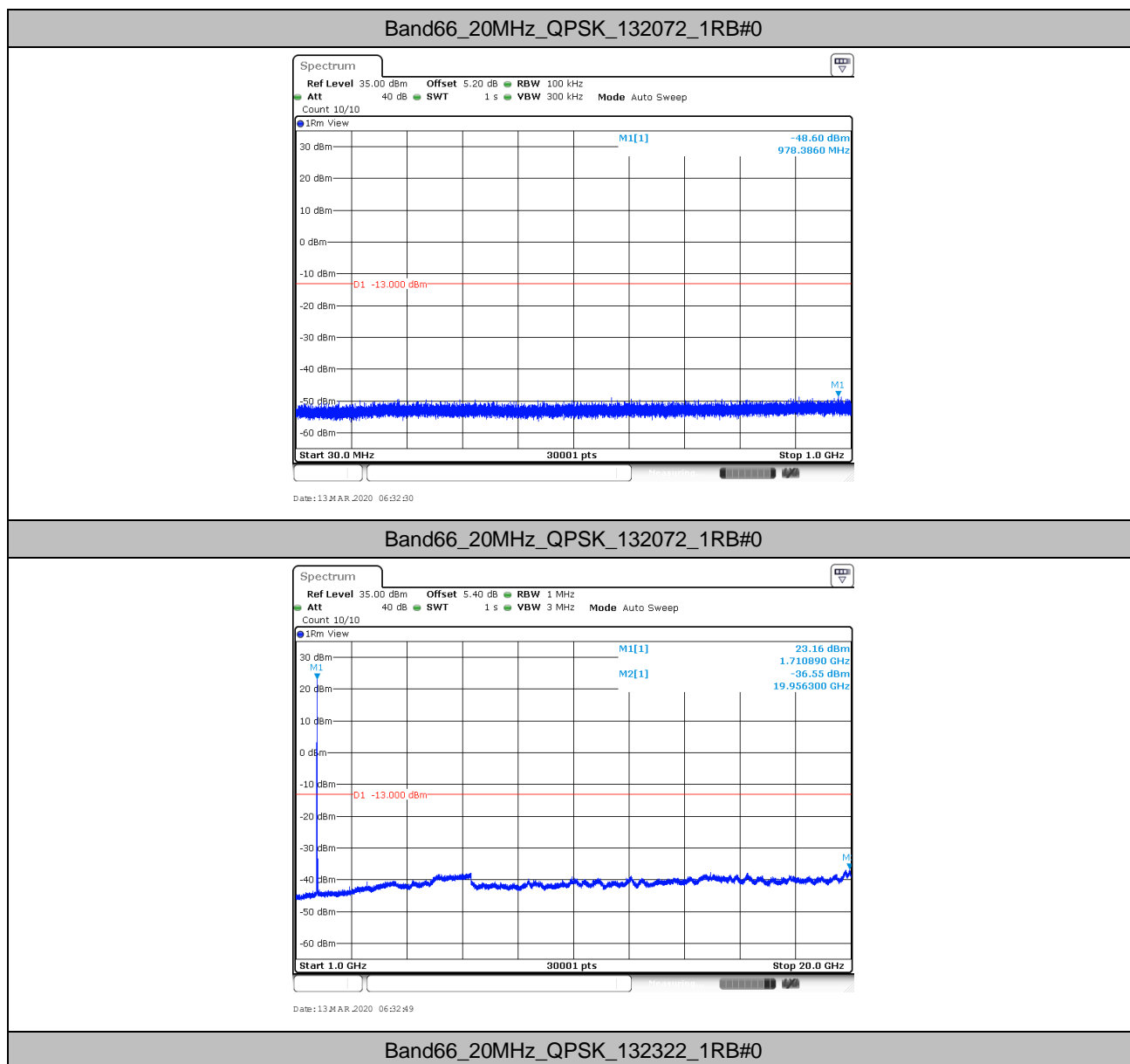


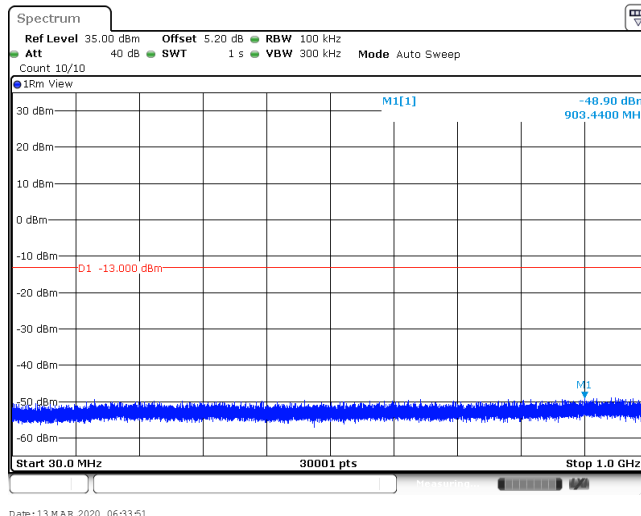
6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

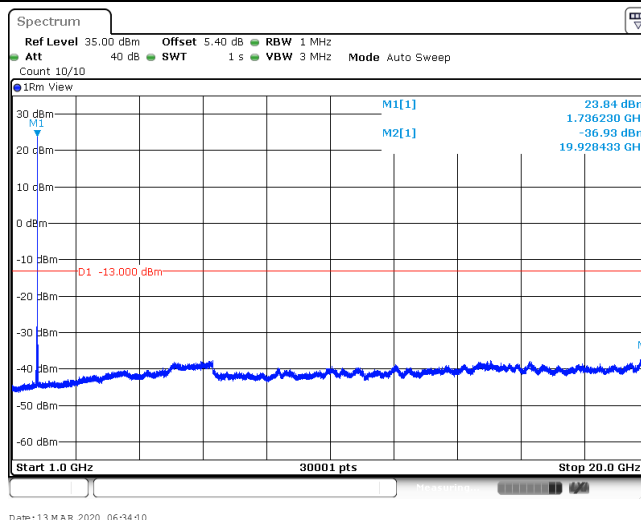
Remark2: only the worst case data displayed in this report.

6.1. Test Plots





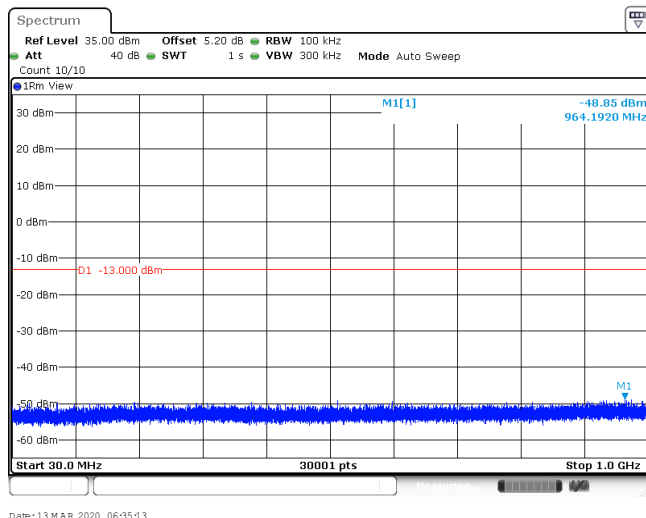
Band66_20MHz_QPSK_132322_1RB#0



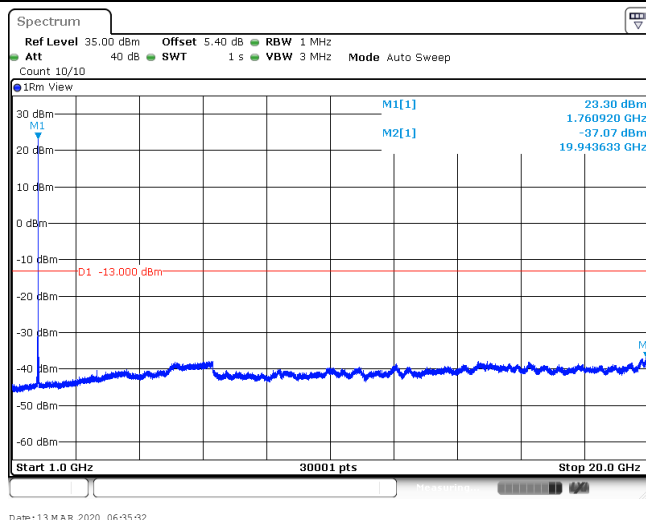
Band66_20MHz_QPSK_132572_1RB#0



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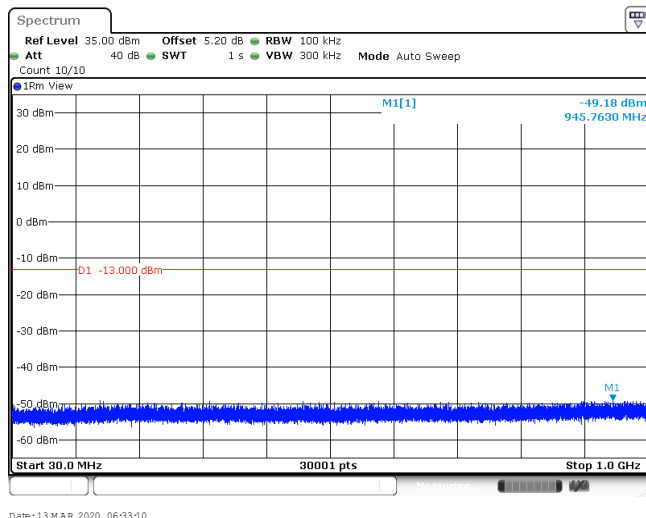


Band66_20MHz_QPSK_132572_1RB#0

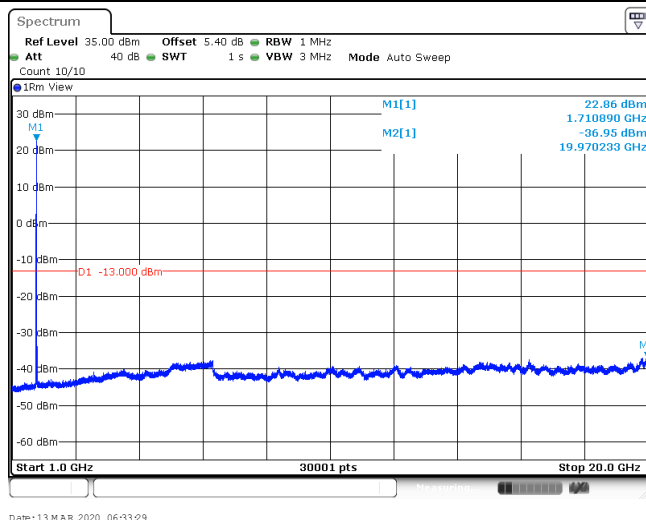


Band66_20MHz_16QAM_132072_1RB#0



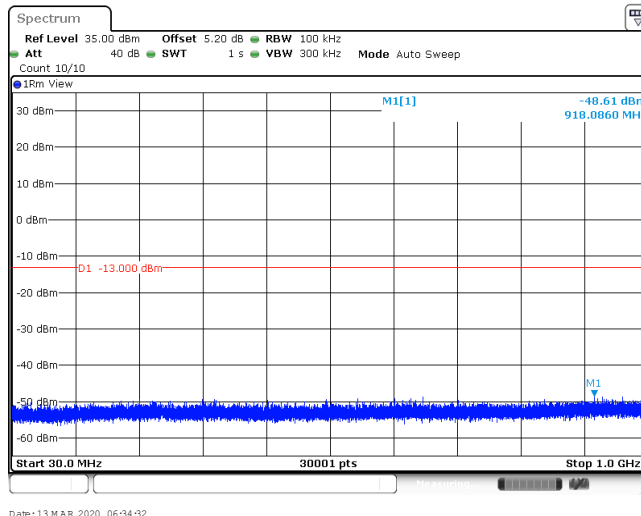


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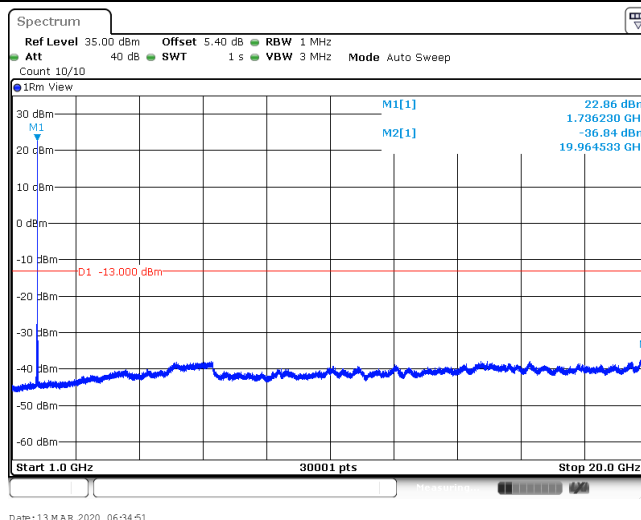


Band66_20MHz_16QAM_132322_1RB#0





Band66_20MHz_16QAM_132322_1RB#0

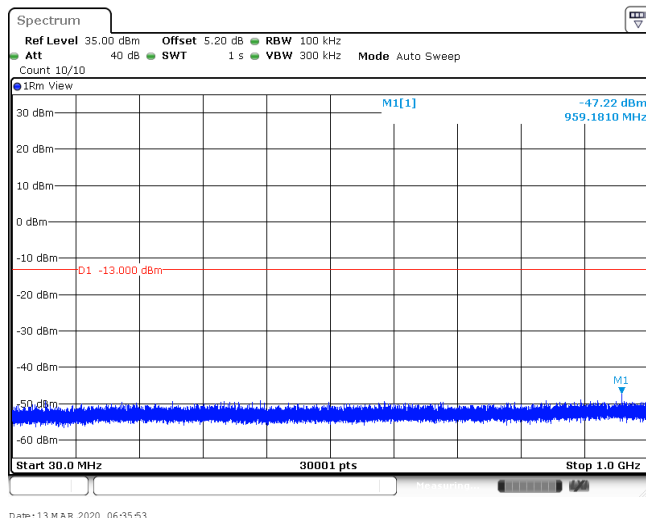


Band66_20MHz_16QAM_132572_1RB#0

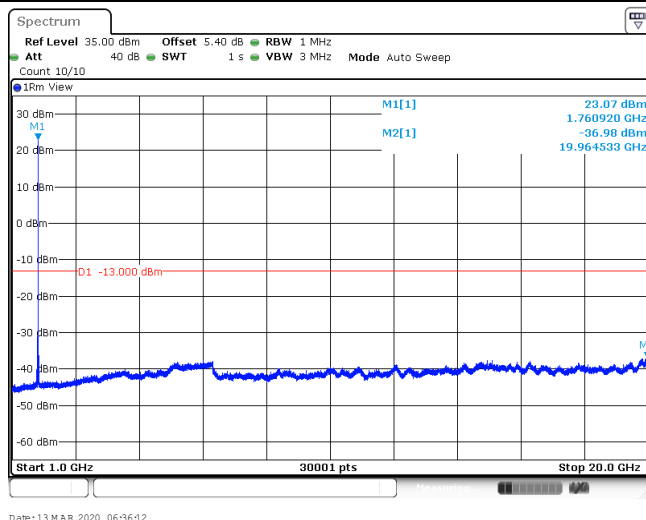


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Band66_20MHz_16QAM_132572_1RB#0



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Shenzhen Branch, CCC 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
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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 66

7.1.1. Test Mode = LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
35.5778	-74.70	-13.00	61.70	Vertical
2702.7405	-37.54	-13.00	24.54	Vertical
3422.0141	-37.74	-13.00	24.74	Vertical
5133.5711	-53.06	-13.00	40.06	Vertical
8555.6852	-44.83	-13.00	31.83	Vertical
17997.9999	-34.09	-13.00	21.09	Vertical
35.6263	-62.94	-13.00	49.94	Horizontal
138.6454	-70.77	-13.00	57.77	Horizontal
2699.1398	-36.29	-13.00	23.29	Horizontal
3472.0157	-39.51	-13.00	26.51	Horizontal
5208.5736	-55.88	-13.00	42.88	Horizontal
17996.4999	-39.58	-13.00	26.58	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.9403	-75.30	-13.00	62.30	Vertical
146.2118	-71.08	-13.00	58.08	Vertical
2704.7409	-37.59	-13.00	24.59	Vertical
3472.5158	-44.65	-13.00	31.65	Vertical
5208.5736	-54.83	-13.00	41.83	Vertical
17996.9999	-34.43	-13.00	21.43	Vertical
35.5778	-66.71	-13.00	53.71	Horizontal
139.3730	-71.86	-13.00	58.86	Horizontal
2701.9404	-36.18	-13.00	23.18	Horizontal
3522.0174	-34.06	-13.00	21.06	Horizontal
5283.5761	-55.91	-13.00	42.91	Horizontal
16395.9465	-38.33	-13.00	25.33	Horizontal



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Shenzhen Branch (SZ) CSTC Laboratory

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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
35.6263	-79.19	-13.00	66.19	Vertical
2693.5387	-37.53	-13.00	24.53	Vertical
3522.5174	-38.95	-13.00	25.95	Vertical
5283.5761	-55.61	-13.00	42.61	Vertical
8805.1935	-46.79	-13.00	33.79	Vertical
17990.4997	-34.19	-13.00	21.19	Vertical
35.5778	-58.06	-13.00	45.06	Horizontal
146.7453	-71.61	-13.00	58.61	Horizontal
2698.3397	-36.36	-13.00	23.36	Horizontal
3422.0141	-34.24	-13.00	21.24	Horizontal
5133.0711	-52.03	-13.00	39.03	Horizontal
16397.9466	-38.97	-13.00	25.97	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 had been displayed.





8. Frequency Stability

8.1. Frequency Vs Voltage

BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-1.00	-0.000581	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-10.80	-0.006279	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-7.50	-0.004360	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	1.30	0.000745	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	4.80	0.002751	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.50	-0.001433	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-6.90	-0.003898	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	-0.50	-0.000282	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-14.40	-0.008136	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	4.00	0.002326	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	3.00	0.001744	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	5.50	0.003198	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	4.90	0.002808	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	4.20	0.002407	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	2.20	0.001261	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-11.50	-0.006497	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	-10.00	-0.005650	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	-10.20	-0.005763	±2.5	PASS

8.2. Frequency Vs Temperature

BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	6.30	0.003663	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	1.00	0.000581	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-3.00	-0.001744	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-7.00	-0.004070	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-10.10	-0.005872	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-8.50	-0.004871	±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	0	1.00	0.000573	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-3.40	-0.001948	±2.5	PASS



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Band66	20MHz	QPSK	132322	100RB#0	NV	20	-7.40	-0.004241	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-3.70	-0.002090	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-10.80	-0.006102	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-17.30	-0.009774	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-9.10	-0.005141	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-15.90	-0.008983	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	6.60	0.003837	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	6.50	0.003779	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	6.80	0.003953	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-8.50	-0.004942	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-7.50	-0.004360	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	3.10	0.001777	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	2.80	0.001605	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	5.60	0.003209	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	7.60	0.004355	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-9.20	-0.005272	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-11.10	-0.006271	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-11.00	-0.006215	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-9.50	-0.005367	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	-8.70	-0.004915	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-8.60	-0.004859	±2.5	PASS

The End

