



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	23.31	27.31	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.50	27.50	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.42	27.42	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.32	27.32	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.30	27.30	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.38	27.38	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.26	26.26	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.18	27.18	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.32	27.32	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.23	27.23	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.08	27.08	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.12	27.12	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.07	27.07	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.09	26.09	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.14	27.14	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.26	27.26	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.22	27.22	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.12	27.12	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.07	27.07	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.05	27.05	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.04	26.04	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.40	26.40	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.32	26.32	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.30	26.30	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.31	26.31	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.45	26.45	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.36	26.36	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.32	25.32	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.23	26.23	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.21	26.21	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.12	26.12	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.24	26.24	30.00	PASS



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Band66	1.4MHz	16QAM	132322	3RB#1	22.25	26.25	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.18	26.18	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.15	25.15	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.17	26.17	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.21	26.21	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.14	26.14	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.23	26.23	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.16	26.16	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.07	26.07	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.07	25.07	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.35	27.35	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.38	27.38	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.35	27.35	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.24	26.24	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.31	26.31	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.17	26.17	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.20	26.20	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.28	27.28	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.24	27.24	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.12	27.12	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.13	26.13	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.16	26.16	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.04	26.04	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.06	26.06	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.03	27.03	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.14	27.14	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.06	27.06	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.07	26.07	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.04	26.04	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.03	26.03	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.00	26.00	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.36	26.36	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.29	26.29	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.17	26.17	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.26	25.26	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.34	25.34	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.19	25.19	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.13	25.13	30.00	PASS



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Band66	3MHz	16QAM	132322	1RB#0	22.18	26.18	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.14	26.14	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.10	26.10	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.18	25.18	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.20	25.20	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.17	25.17	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.16	25.16	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.30	26.30	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.22	26.22	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.23	26.23	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.12	25.12	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.08	25.08	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.10	25.10	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.11	25.11	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.17	27.17	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.56	27.56	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.23	27.23	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.31	26.31	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.26	26.26	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.24	26.24	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.23	26.23	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.22	27.22	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.28	27.28	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.89	26.89	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.19	26.19	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.15	26.15	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.08	26.08	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.11	26.11	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.17	27.17	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.31	27.31	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.71	26.71	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.10	26.10	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.13	26.13	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.03	26.03	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.04	26.04	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.54	26.54	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.56	26.56	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.43	26.43	30.00	PASS



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Band66	5MHz	16QAM	131997	12RB#0	21.32	25.32	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.27	25.27	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.20	25.20	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.14	25.14	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.35	26.35	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.41	26.41	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.34	26.34	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.32	25.32	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.20	25.20	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.21	25.21	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.17	25.17	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.50	26.50	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.55	26.55	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.26	26.26	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.19	25.19	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.08	25.08	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.10	25.10	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.05	25.05	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.58	26.58	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.61	27.61	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.11	27.11	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.22	26.22	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.61	26.61	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.06	26.06	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.16	26.16	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.62	26.62	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.10	27.10	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.64	26.64	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.24	26.24	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.20	26.20	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.16	26.16	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.16	26.16	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.62	26.62	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.94	26.94	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.67	26.67	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.26	26.26	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.12	26.12	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.06	26.06	30.00	PASS



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Band66	10MHz	QPSK	132622	50RB#0	22.16	26.16	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.02	26.02	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.83	26.83	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.95	26.95	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.13	25.13	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.13	25.13	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.28	25.28	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.25	25.25	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.95	25.95	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.44	26.44	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.97	26.97	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.07	25.07	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.19	25.19	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.13	25.13	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.14	25.14	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.77	25.77	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.27	26.27	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.94	26.94	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.06	25.06	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.16	25.16	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.26	25.26	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.18	25.18	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.69	27.69	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	24.16	28.16	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.60	26.60	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.53	26.53	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.26	26.26	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.20	26.20	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.17	26.17	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.45	27.45	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.48	27.48	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.19	27.19	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.25	26.25	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.30	26.30	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	22.13	26.13	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.20	26.20	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.54	27.54	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.23	27.23	30.00	PASS



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Band66	15MHz	QPSK	132597	1RB#74	22.73	26.73	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.39	26.39	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.22	26.22	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.14	26.14	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.24	26.24	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.69	26.69	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.29	26.29	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.46	26.46	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.38	25.38	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.27	25.27	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.14	25.14	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.45	25.45	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.48	26.48	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.29	26.29	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.43	26.43	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.28	25.28	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.23	25.23	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.12	25.12	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.28	25.28	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.60	26.60	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.26	26.26	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.54	26.54	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.33	25.33	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.16	25.16	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.18	25.18	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.26	25.26	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.23	27.23	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.83	27.83	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.60	26.60	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.52	26.52	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.30	26.30	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.89	25.89	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.36	26.36	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.31	27.31	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.20	27.20	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.97	26.97	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.17	26.17	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.24	26.24	30.00	PASS



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Band66	20MHz	QPSK	132322	50RB#50	22.15	26.15	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.22	26.22	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.28	27.28	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.95	26.95	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.09	27.09	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.22	26.22	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.23	26.23	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.12	26.12	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.31	26.31	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.23	26.23	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.30	26.30	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.70	26.70	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.20	25.20	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.38	25.38	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.26	25.26	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.27	25.27	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.23	26.23	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.34	26.34	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.73	26.73	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.18	25.18	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.24	25.24	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.21	25.21	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.29	25.29	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.09	26.09	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.21	26.21	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.77	26.77	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.24	25.24	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.33	25.33	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.29	25.29	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.32	25.32	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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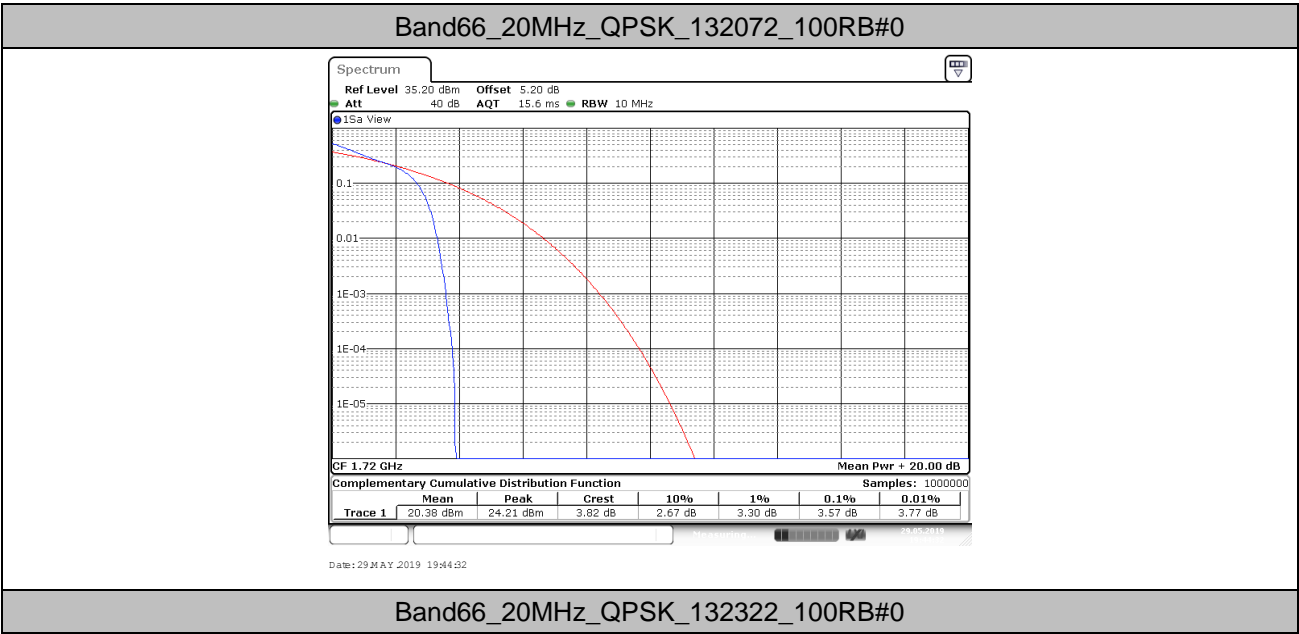
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	3.57	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	3.57	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	3.59	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.28	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.30	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.33	13	PASS

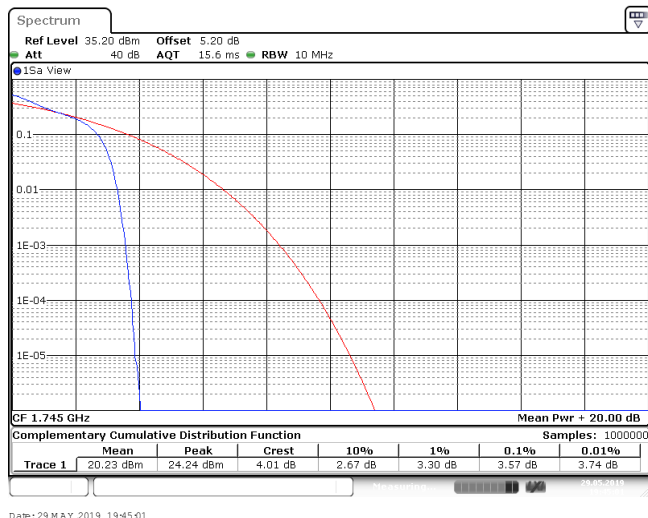
2.2. Test Plots



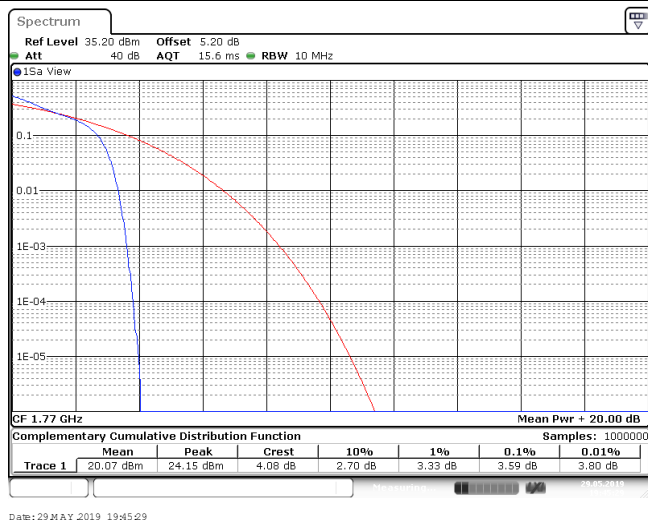
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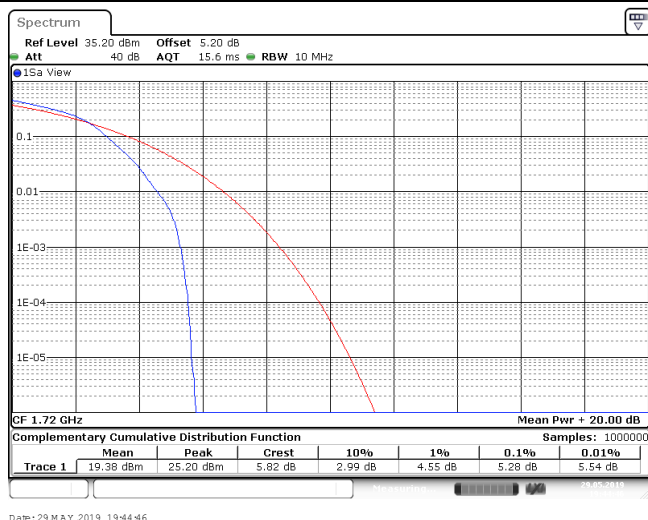


Band66_20MHz_QPSK_132572_100RB#0



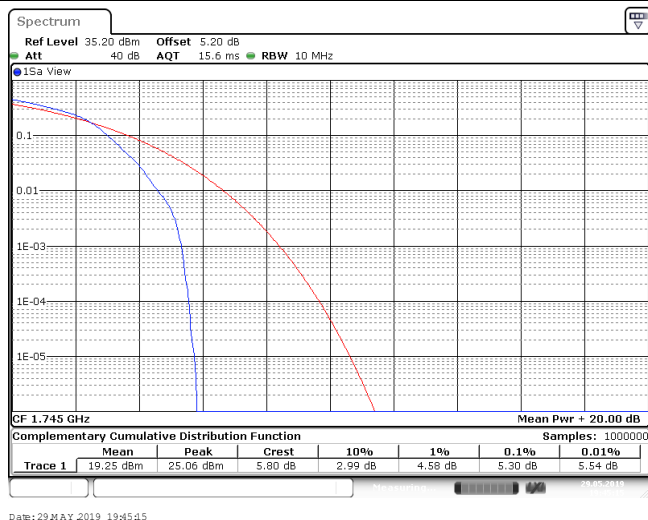
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Date: 29 MAY 2019 19:44:46

Band66_20MHz_16QAM_132322_100RB#0



Date: 29 MAY 2019 19:45:15

Band66_20MHz_16QAM_132572_100RB#0

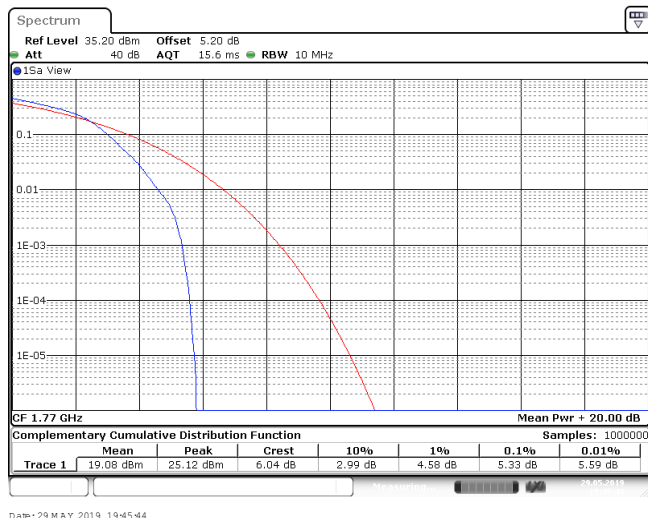


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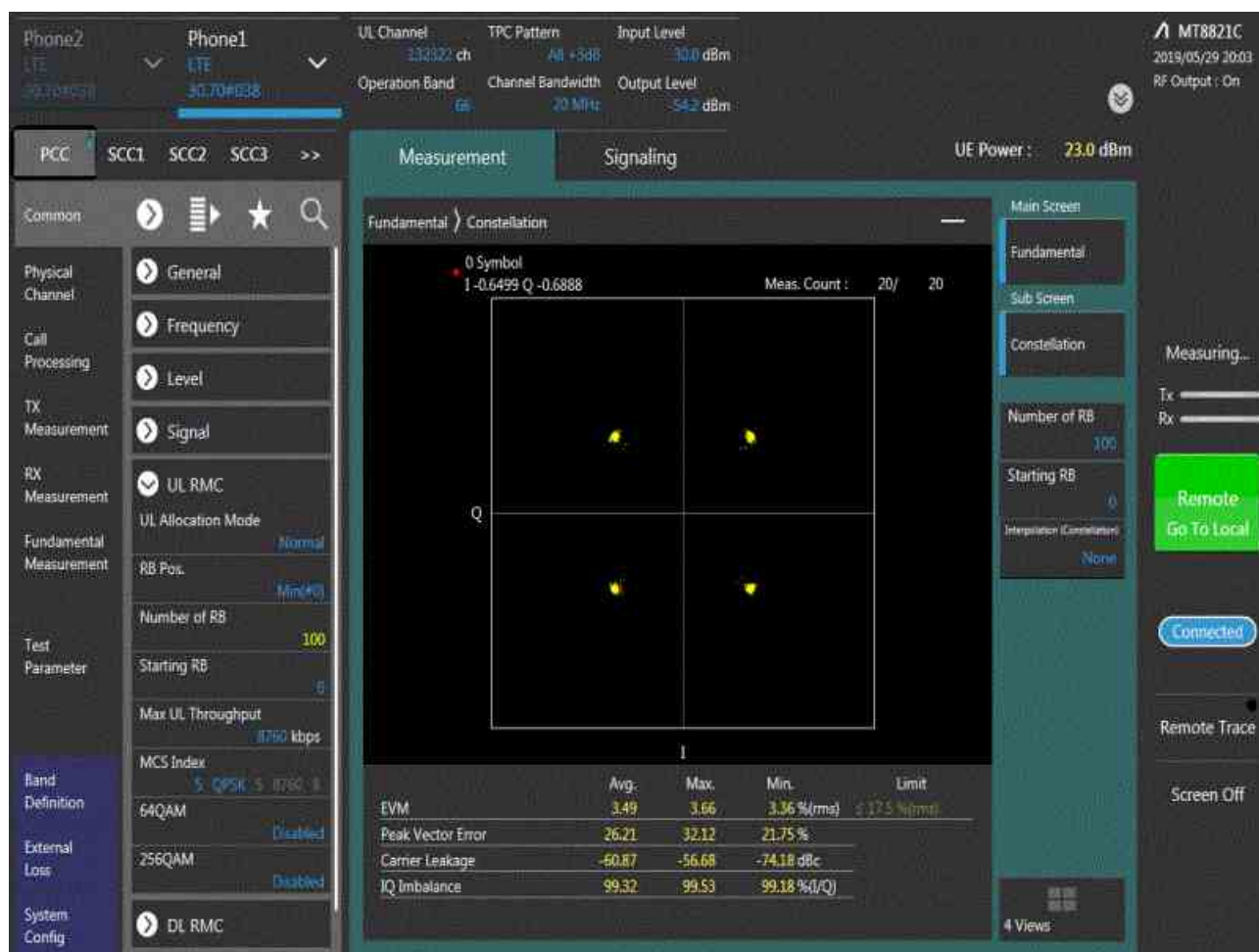
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3. Modulation Characteristics

3.1. Test BAND = LTE Band 66

3.2. Test Mode = LTE /TM1 20MHz

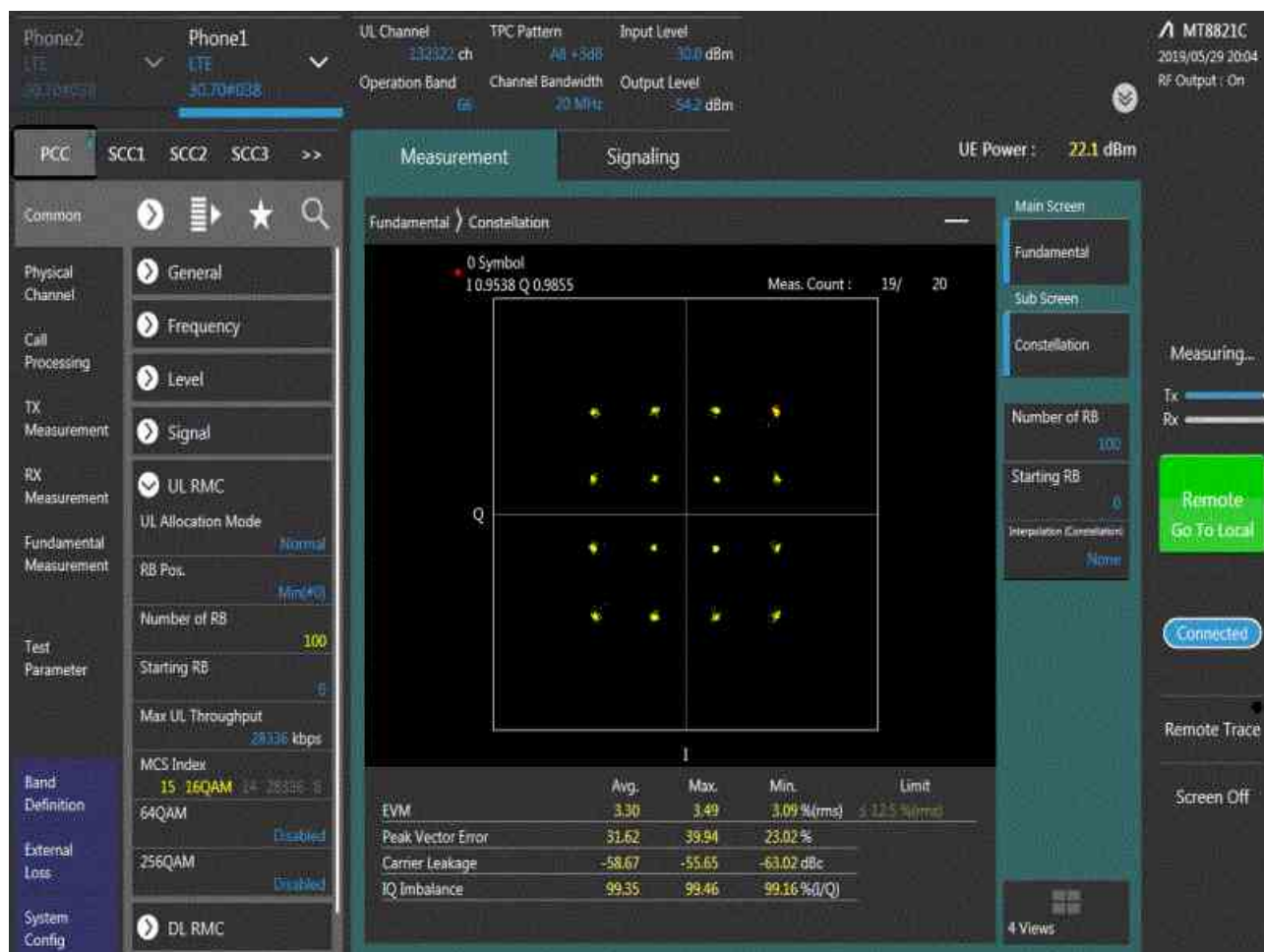
3.2.1. Test Channel = MCH



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3.3. Test Mode = LTE /TM2 20MHz

3.3.1. 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	1.097	1.371	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.1	1.323	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.103	1.485	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.094	1.356	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.097	1.407	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.097	1.512	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.697	2.994	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.703	3.018	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.703	3.042	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.691	2.970	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.982	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.691	3.036	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.466	4.960	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.000	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	5.020	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	5.000	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	4.990	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	5.000	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.760	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.911	9.740	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.931	9.800	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.931	9.840	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.931	9.840	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.457	14.760	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.487	14.730	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.760	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.457	14.760	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.457	14.790	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.457	14.760	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.480	PASS

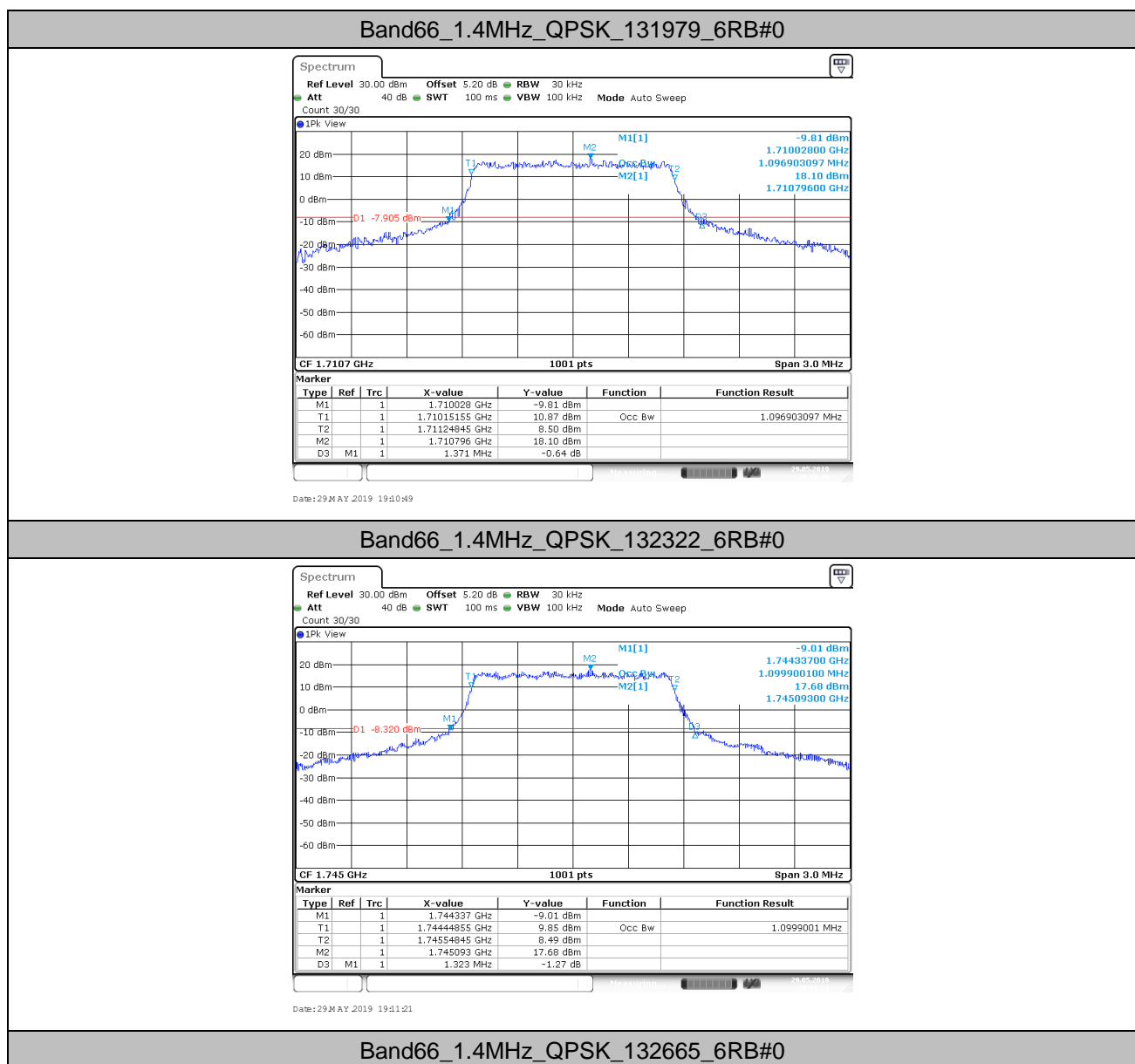


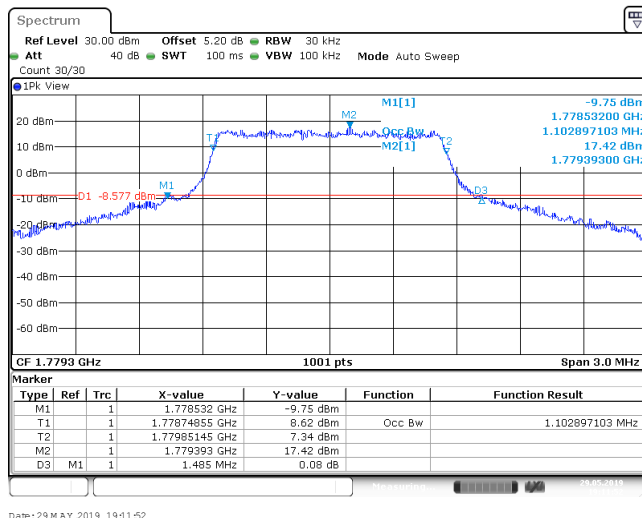
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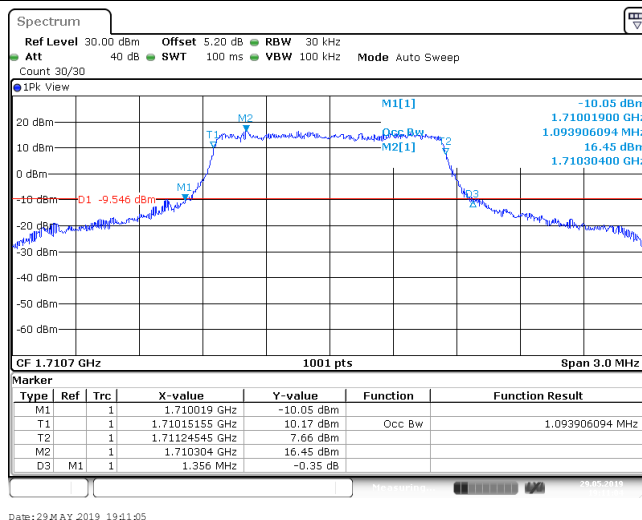
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Band66	20MHz	QPSK	132572	100RB#0	17.862	19.520	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.862	19.440	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.862	19.440	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.902	19.400	PASS

4.2. Test Plots



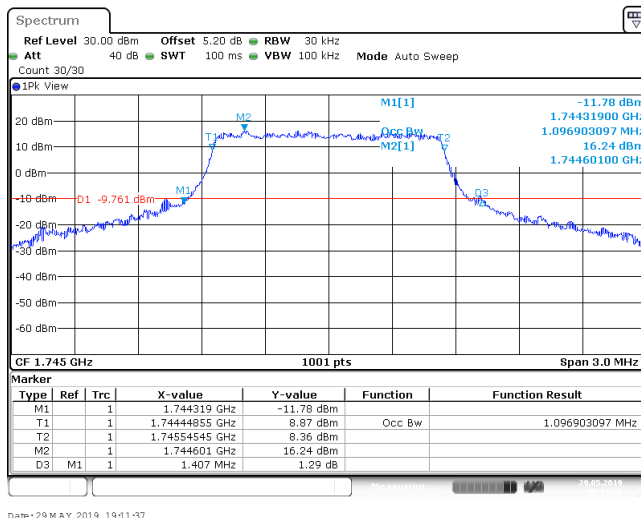


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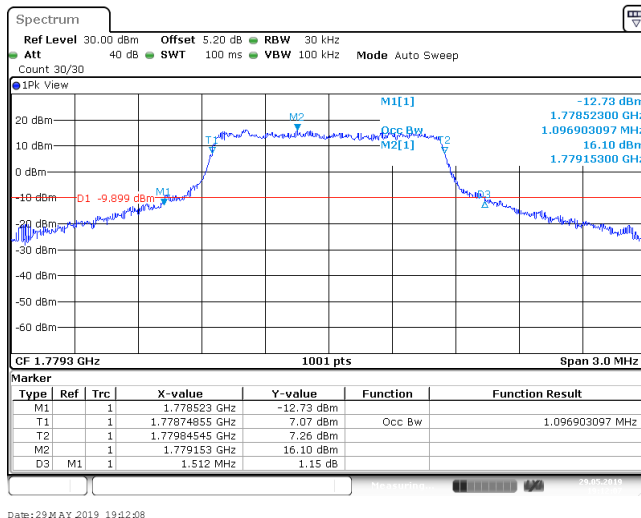


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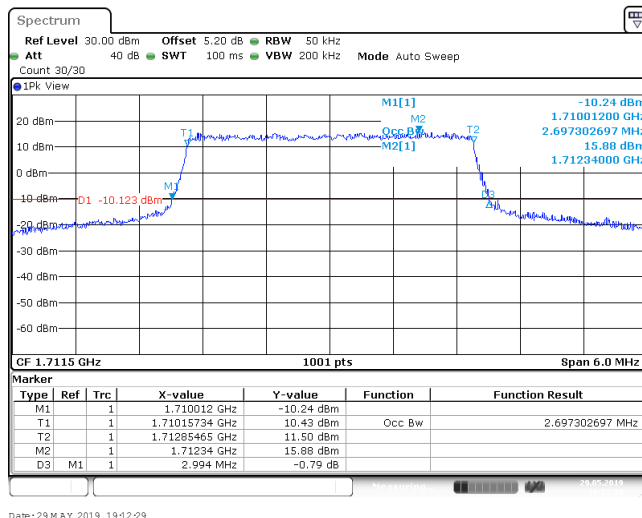


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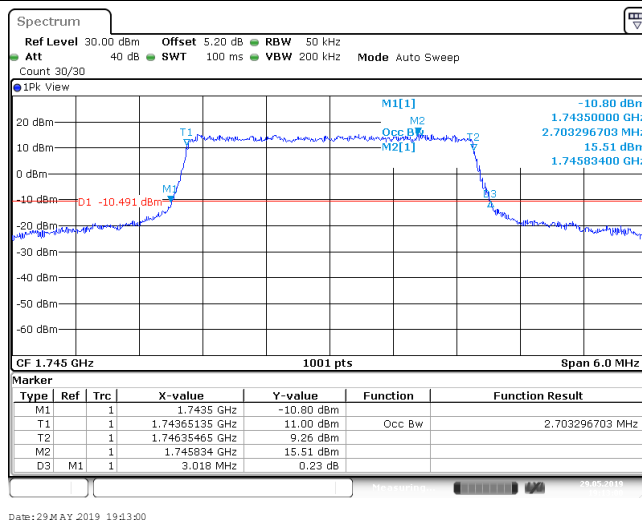


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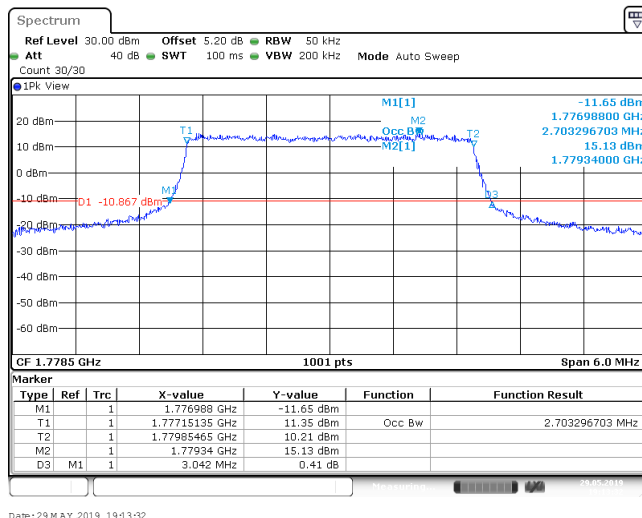


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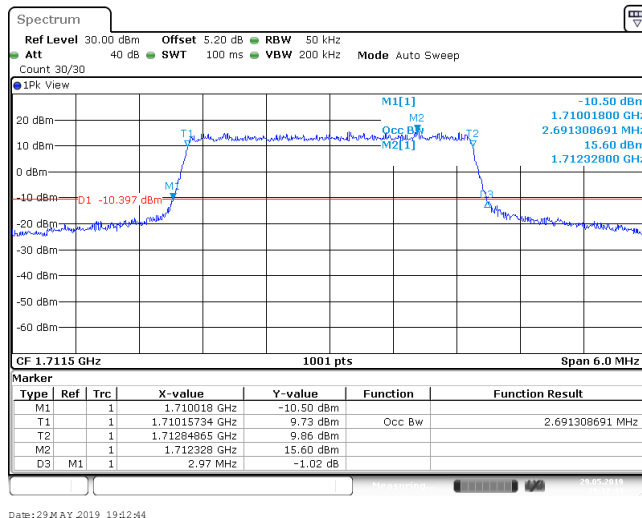


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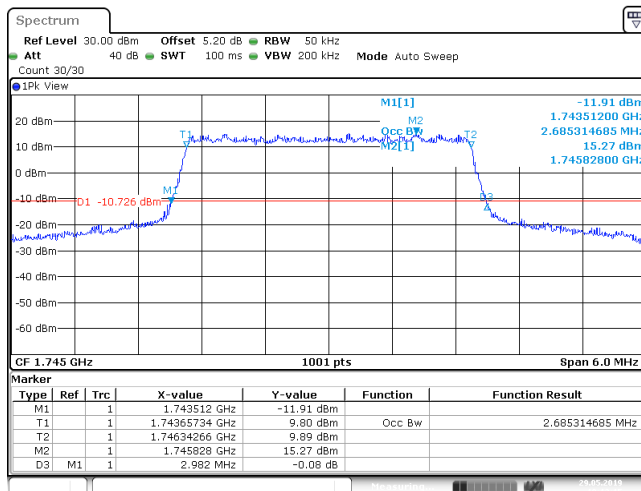


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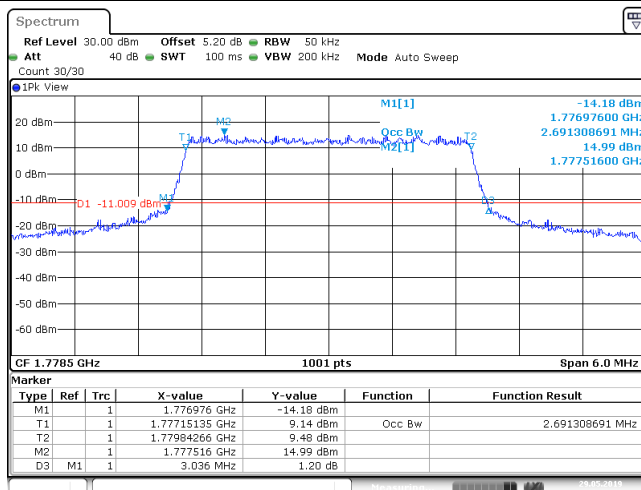
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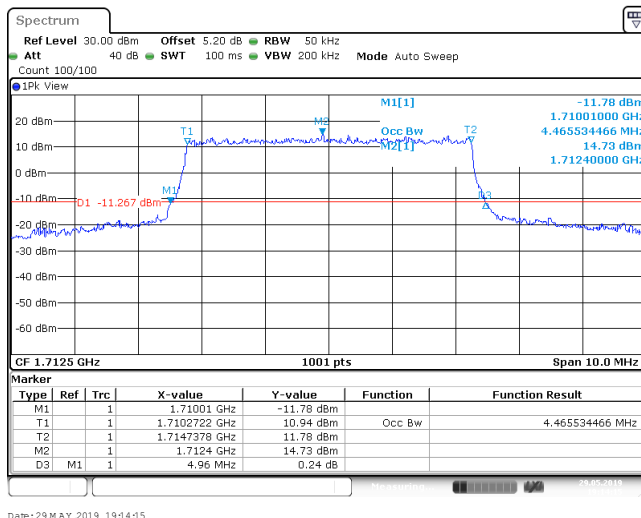
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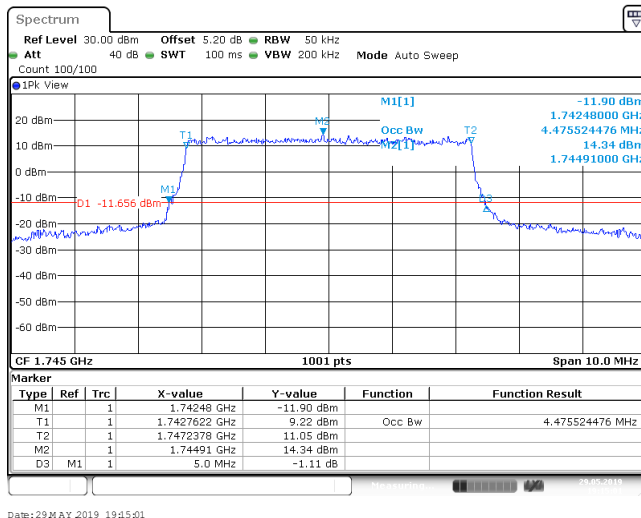
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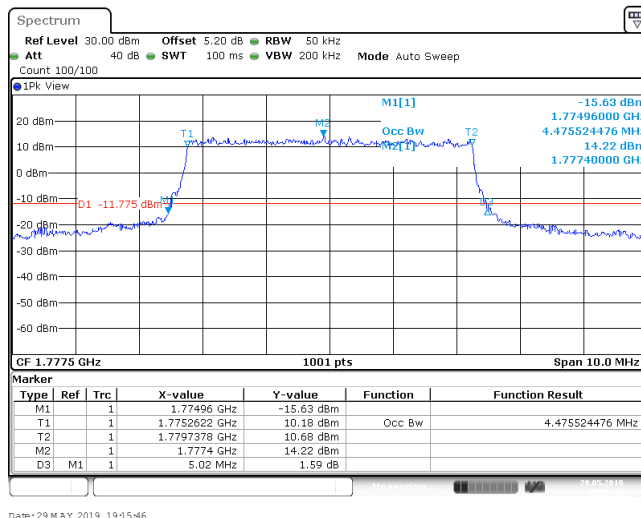


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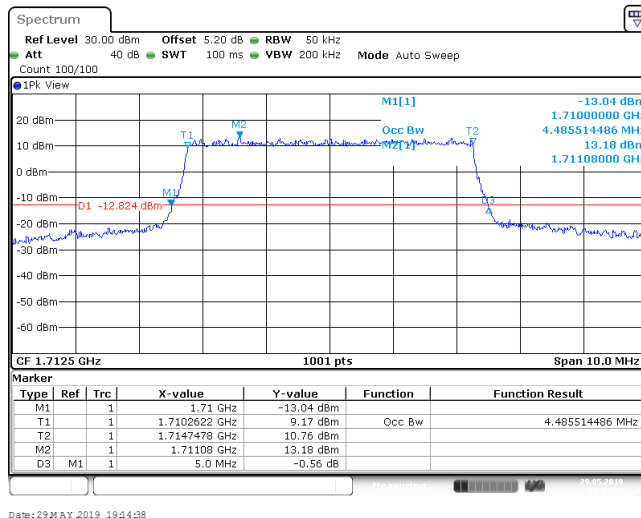
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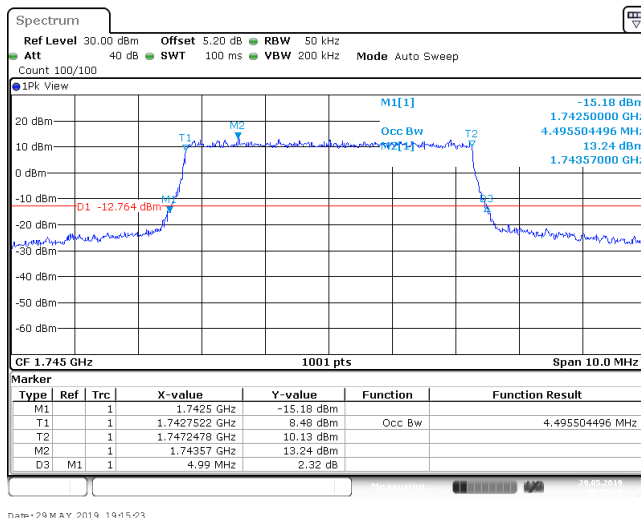
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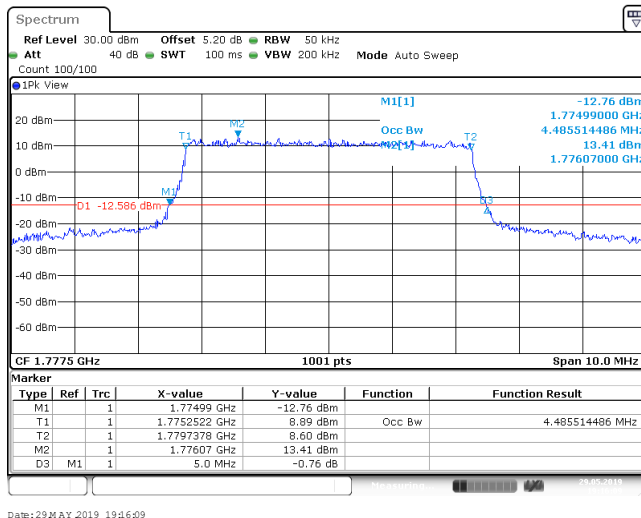
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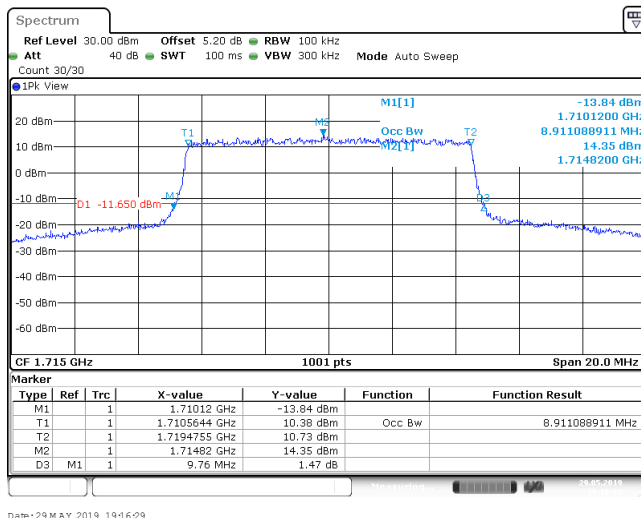


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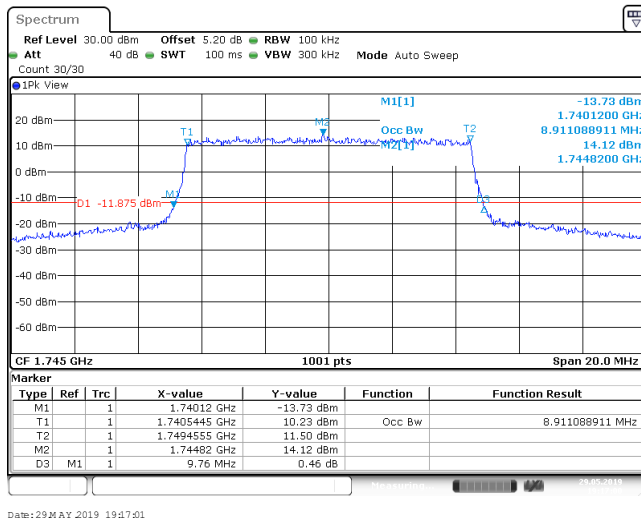


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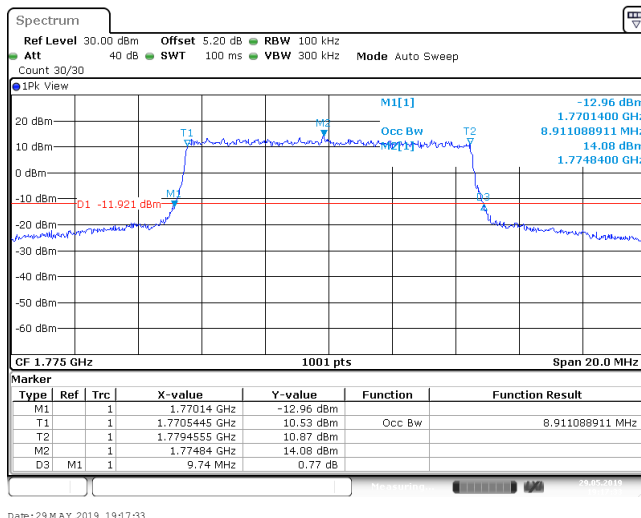


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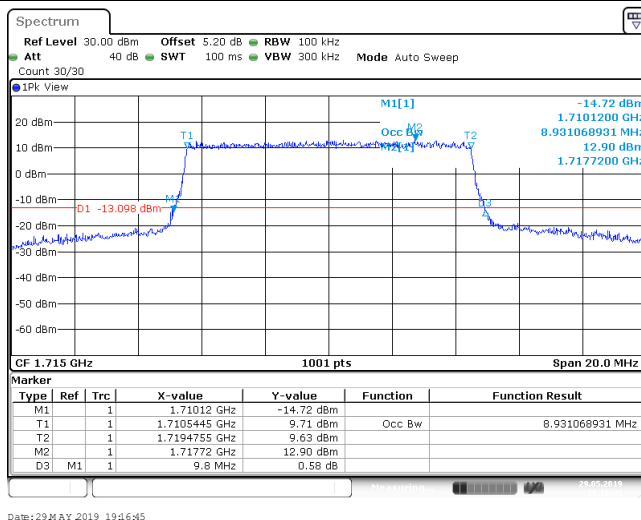


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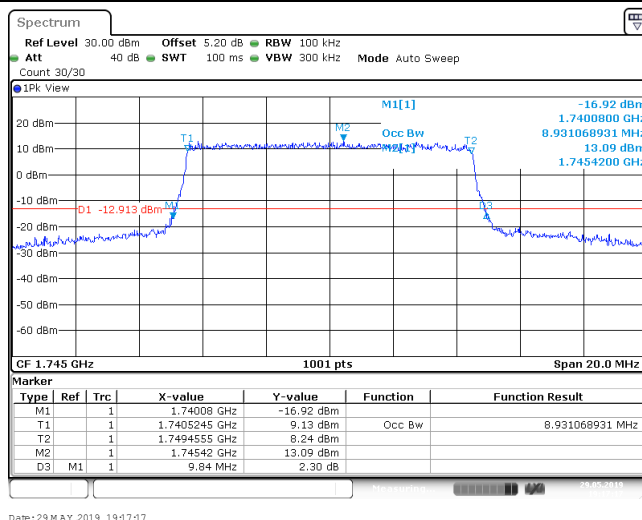


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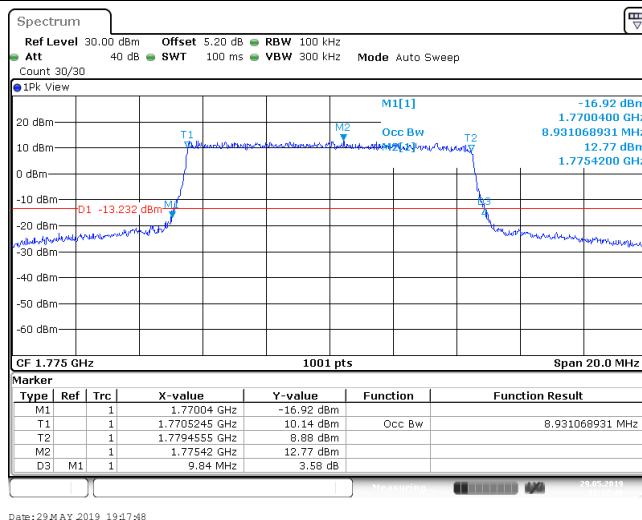


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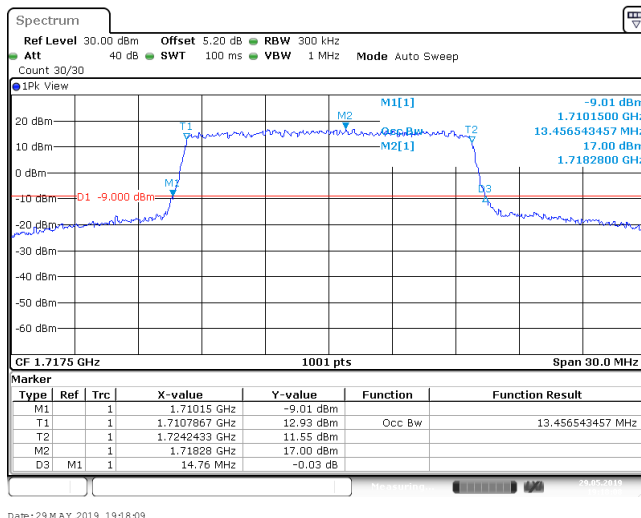


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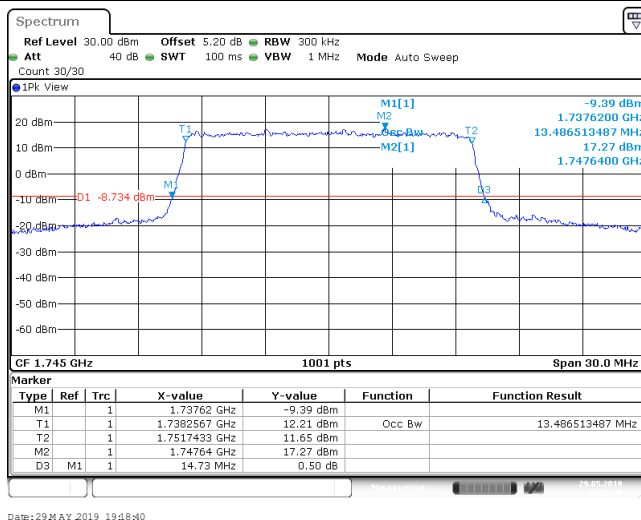


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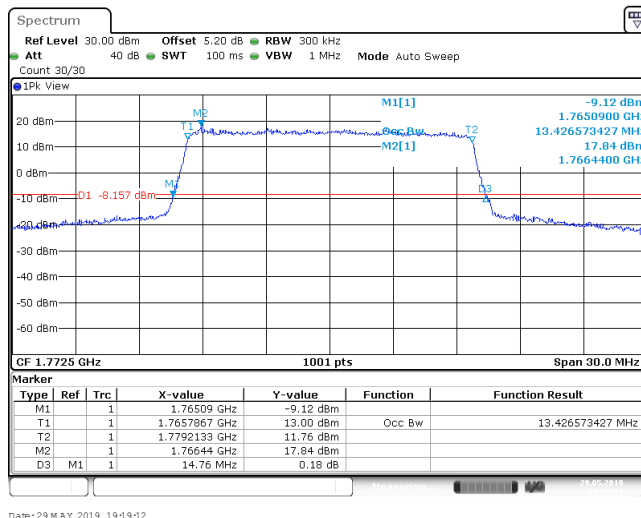


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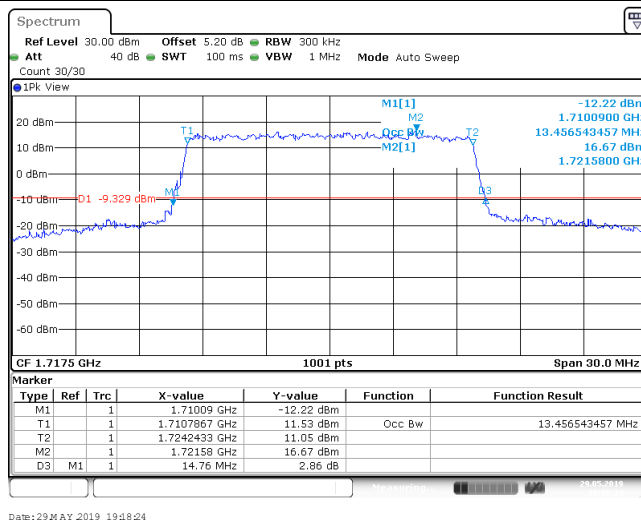


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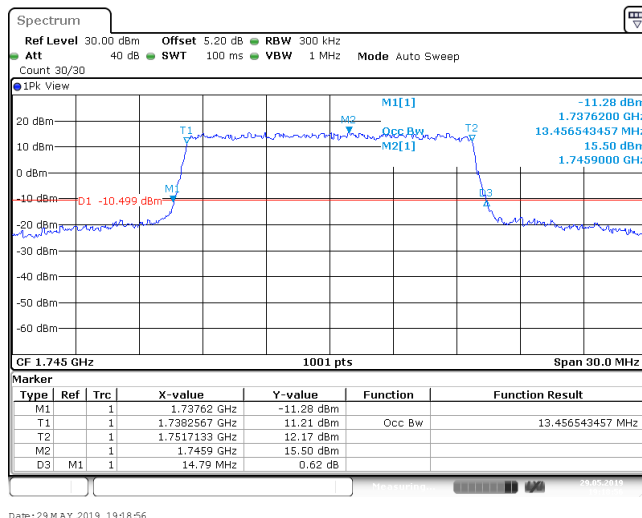


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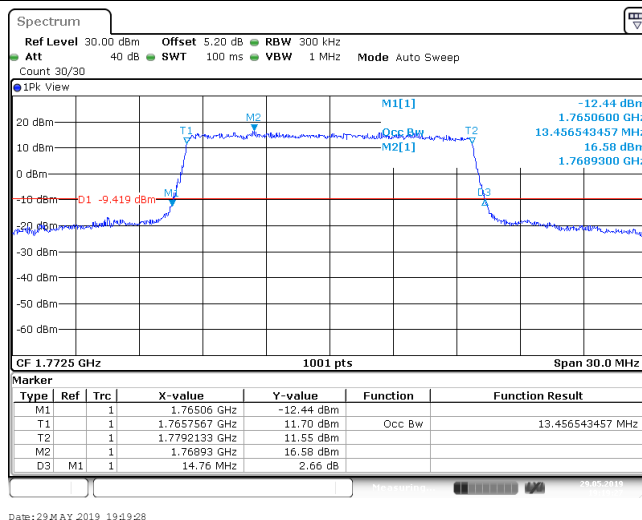


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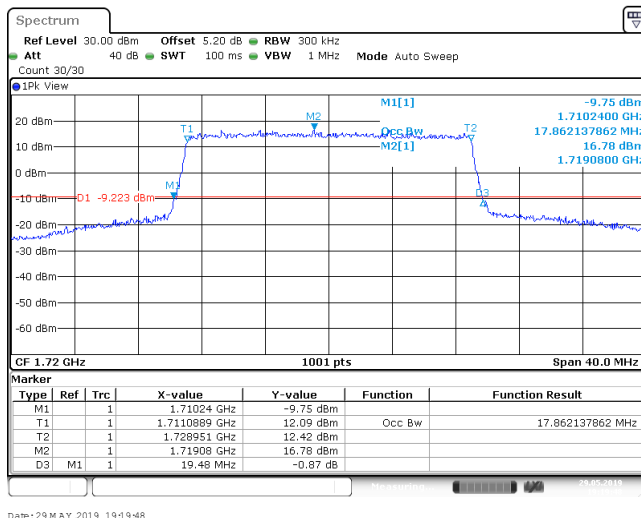


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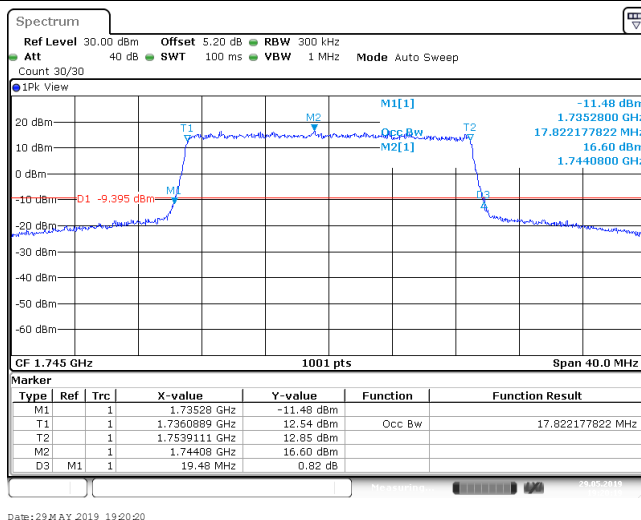


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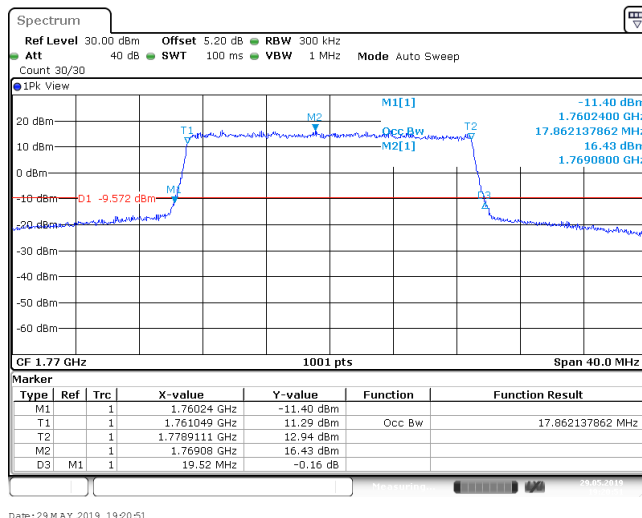


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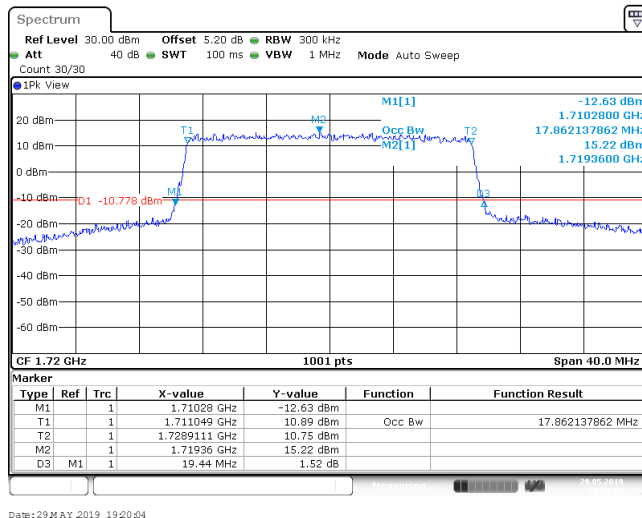
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Band66_20MHz_16QAM_132072_100RB#0



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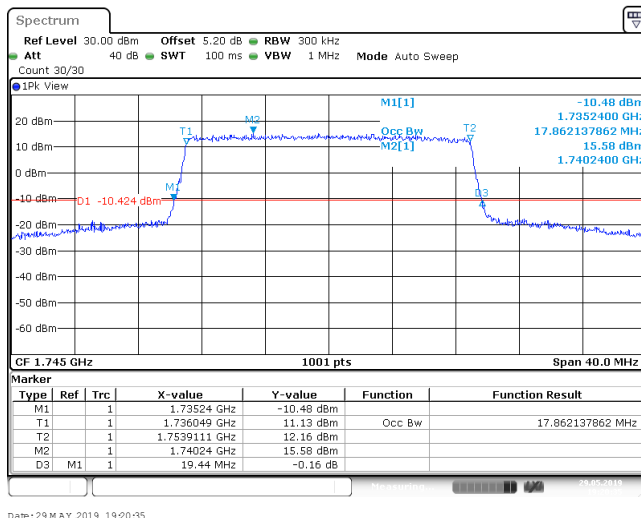


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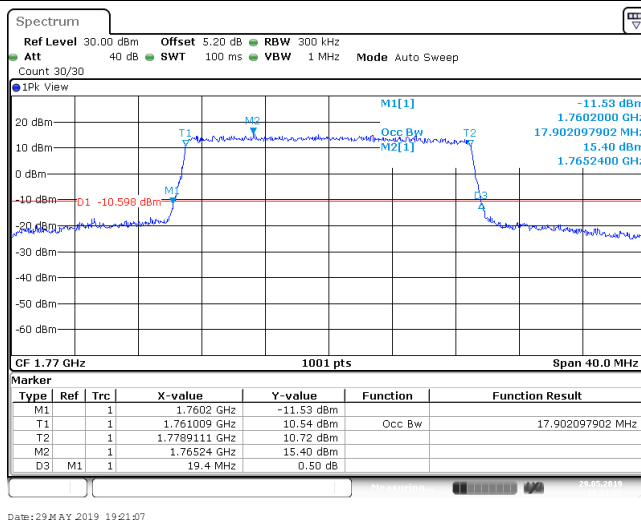
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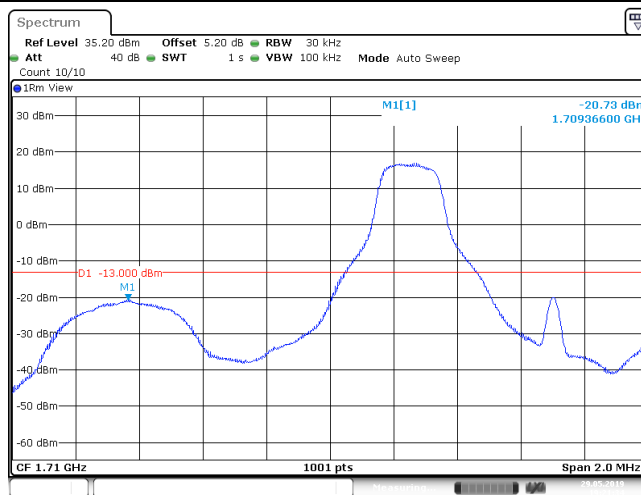
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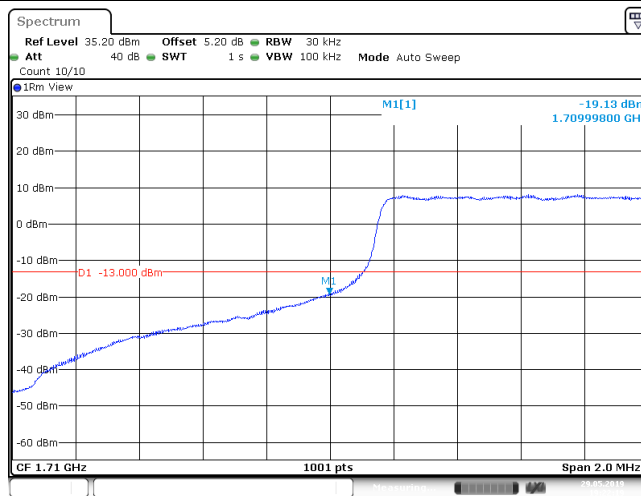
5. Band Edge Compliance

5.1. Test Plots

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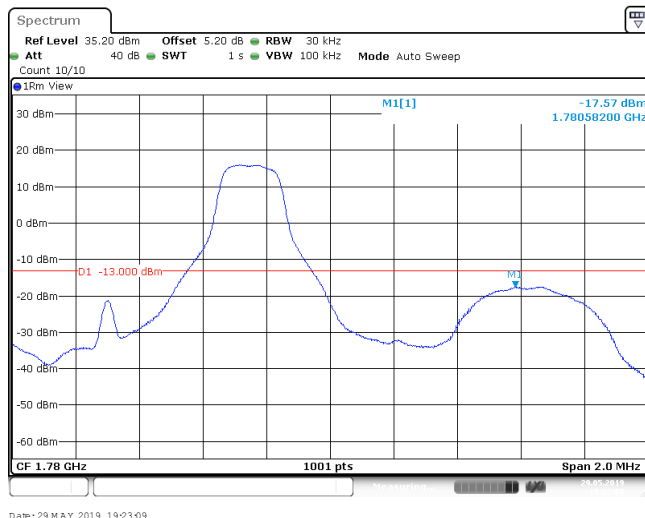


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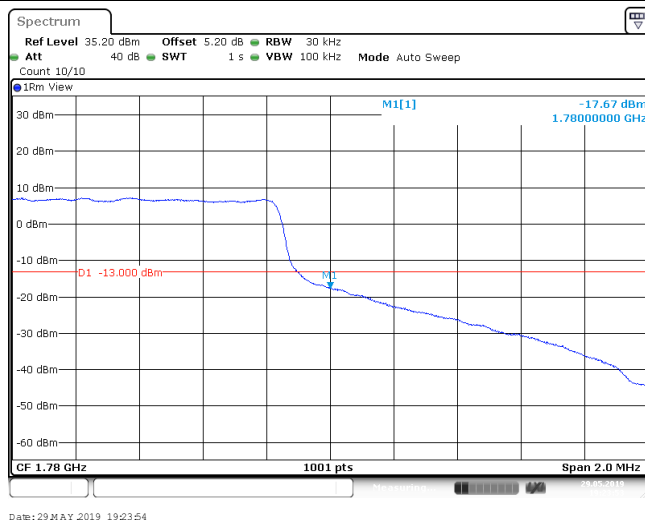


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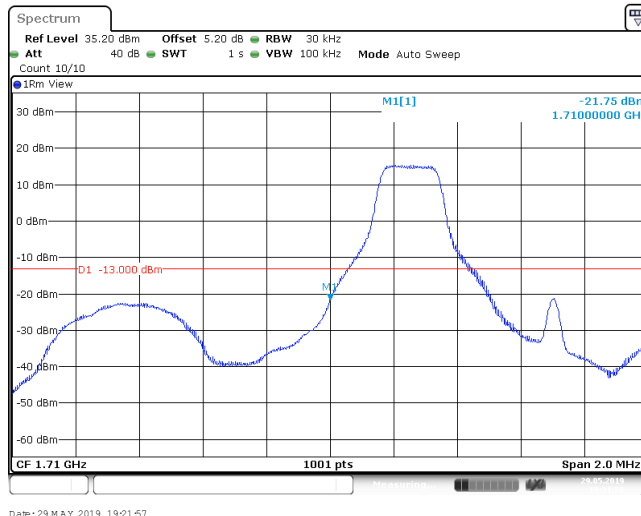


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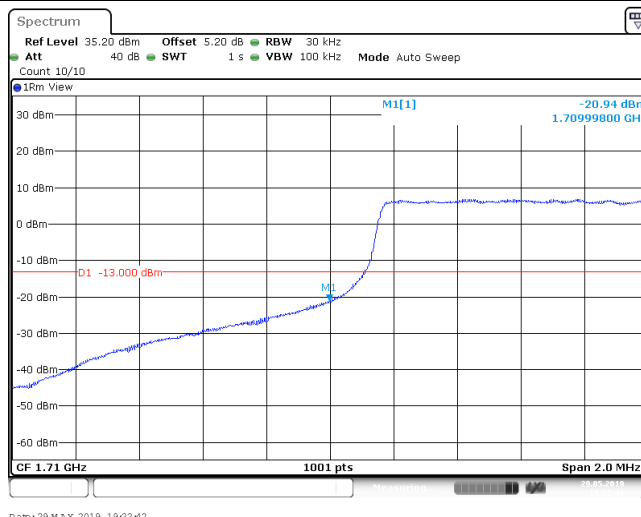


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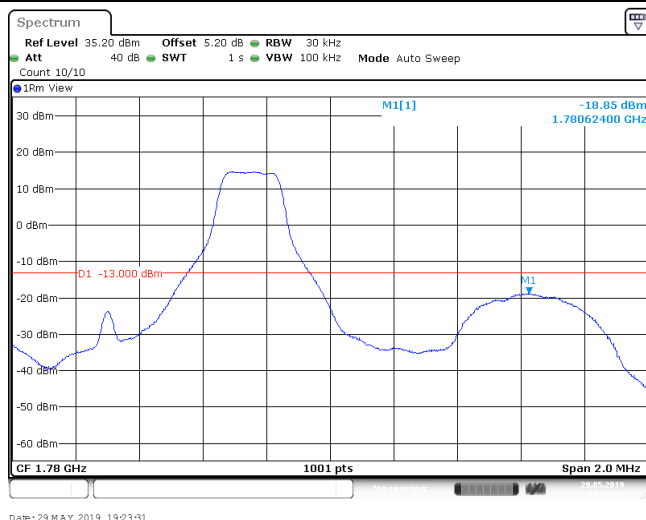


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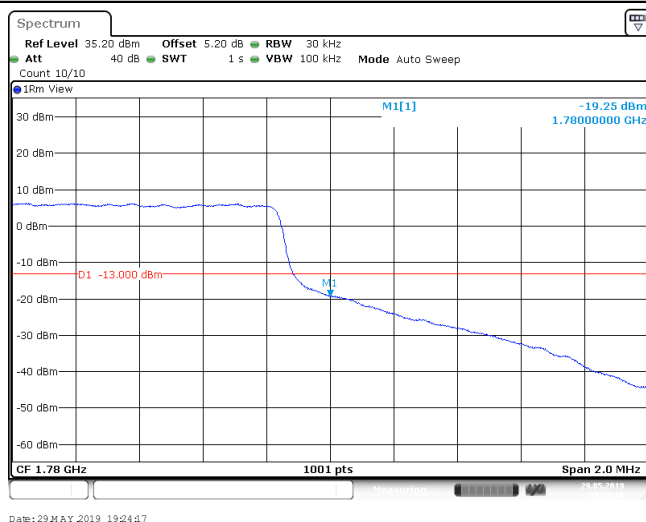


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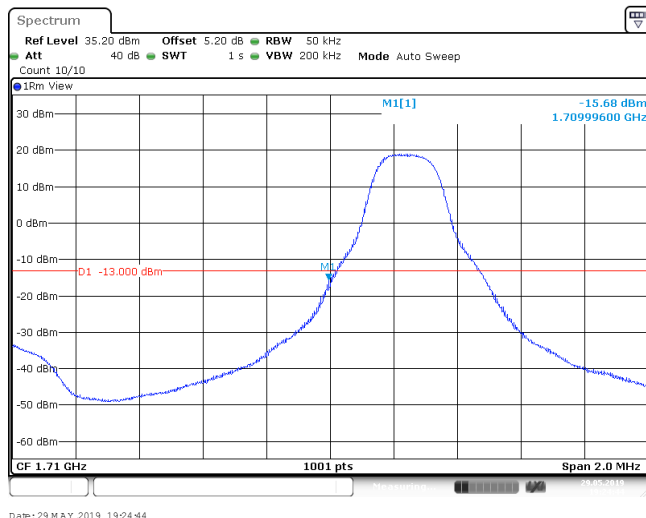


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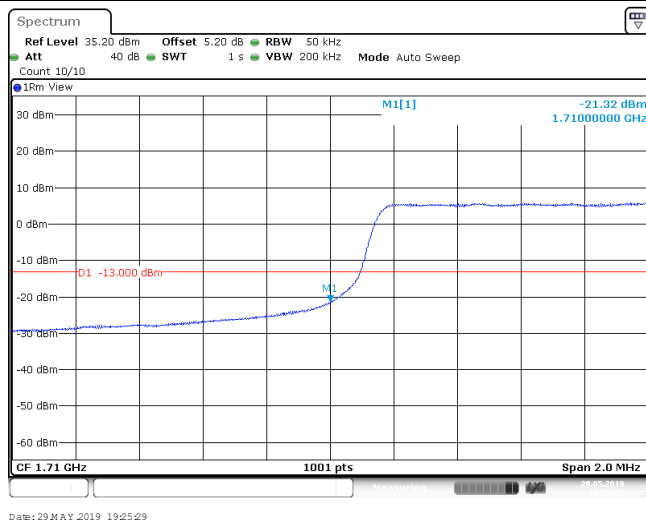


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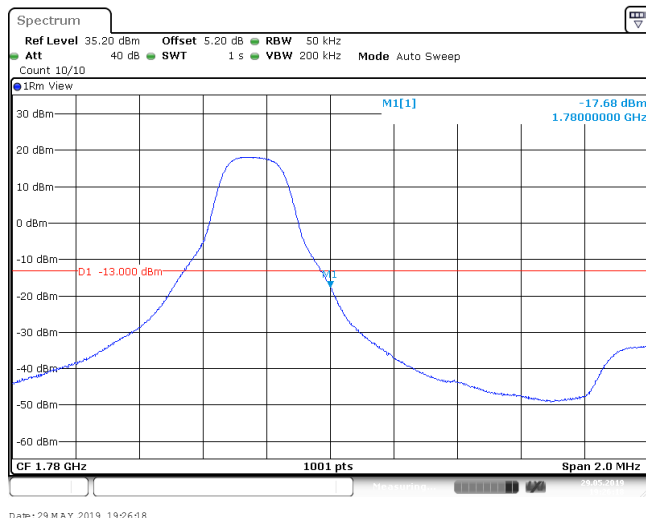


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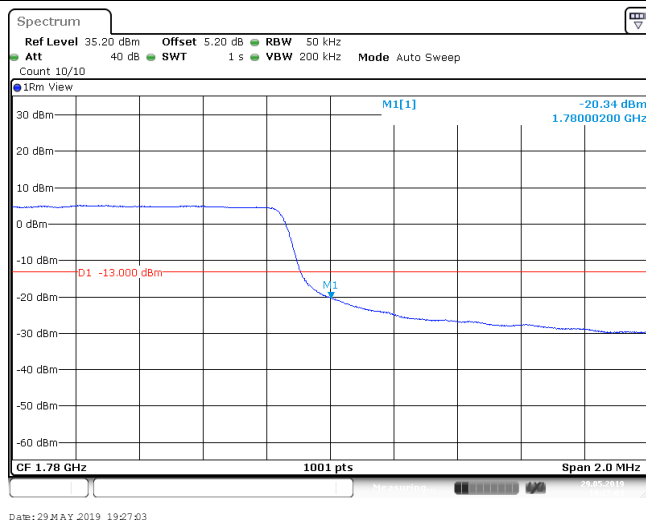


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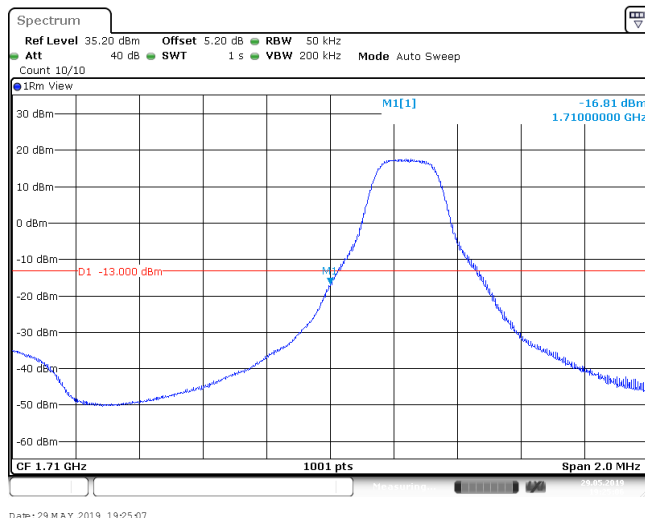


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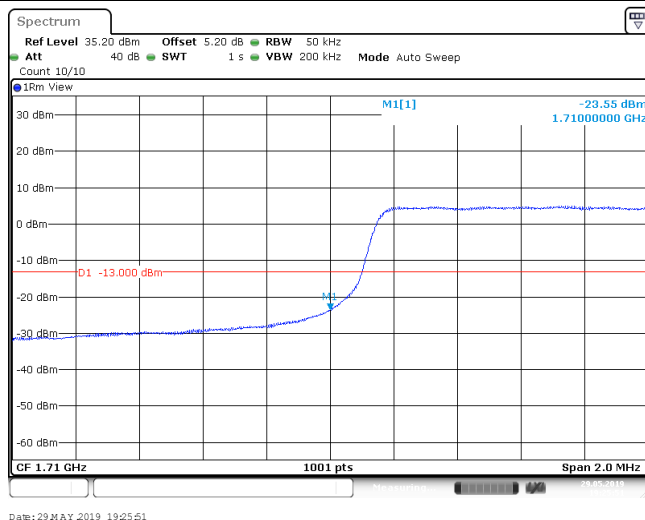


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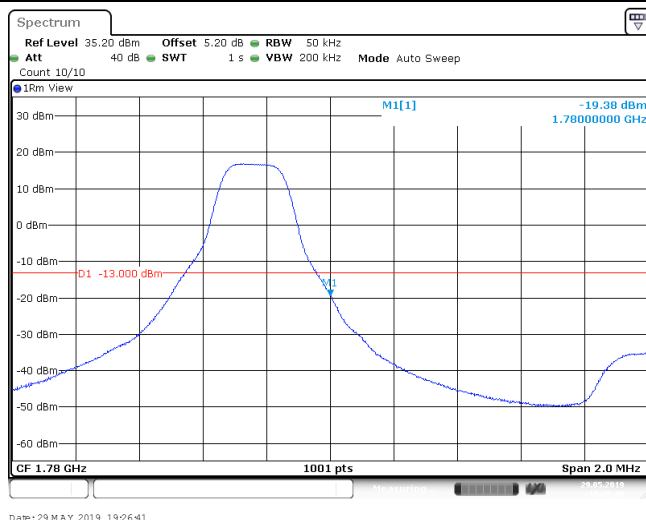


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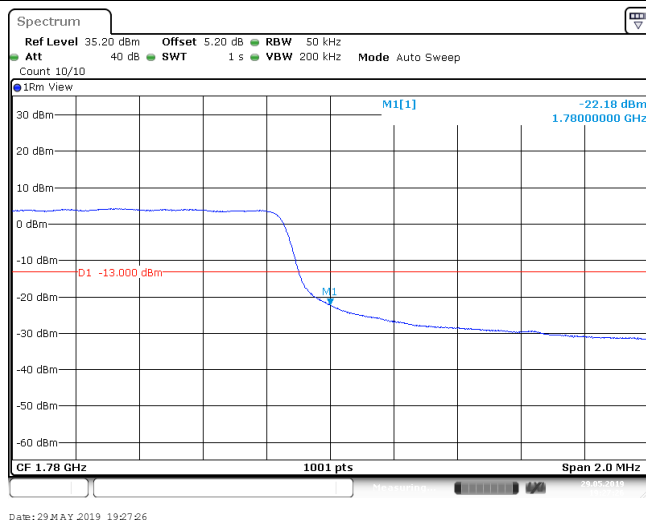


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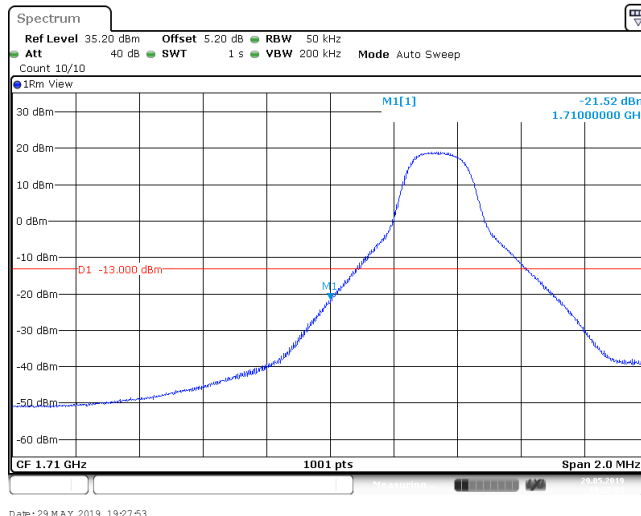


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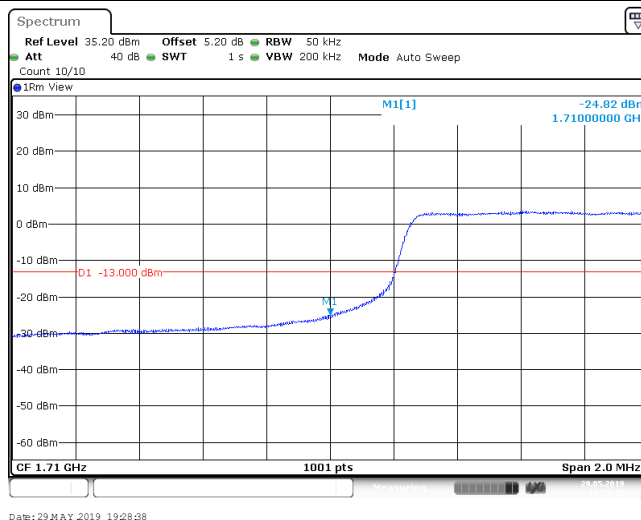


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Band66_5MHz_QPSK_131997_25RB#0



Band66_5MHz_QPSK_132647_1RB#24

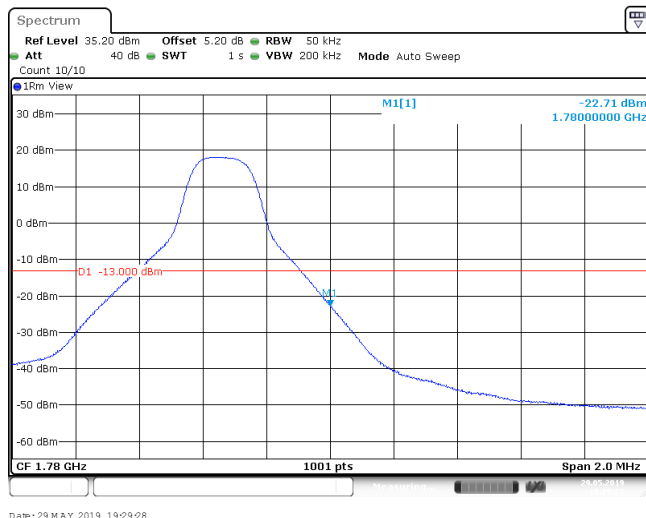


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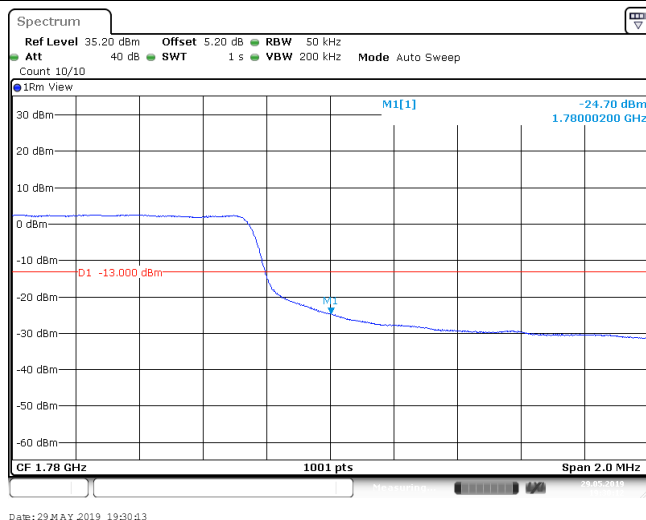
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Band66_5MHz_QPSK_132647_25RB#0

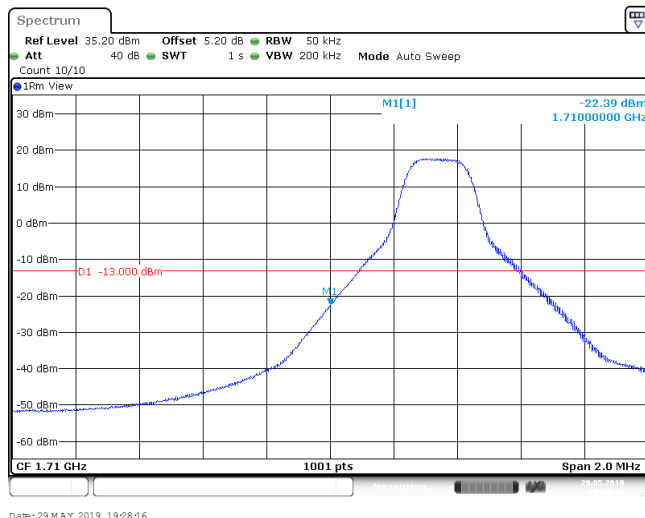


Band66_5MHz_16QAM_131997_1RB#0

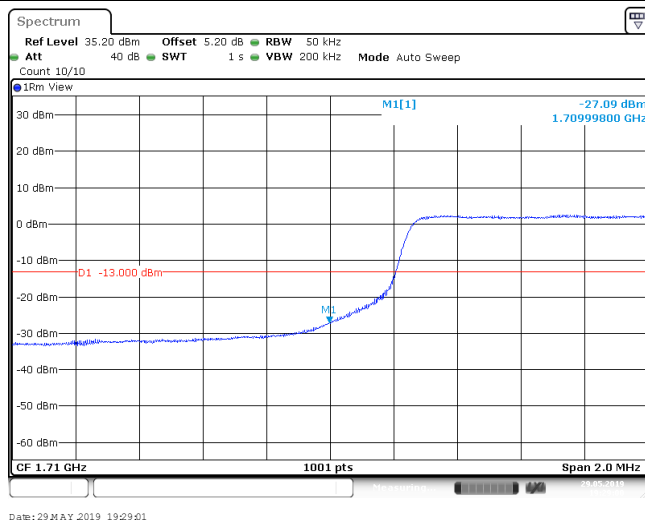


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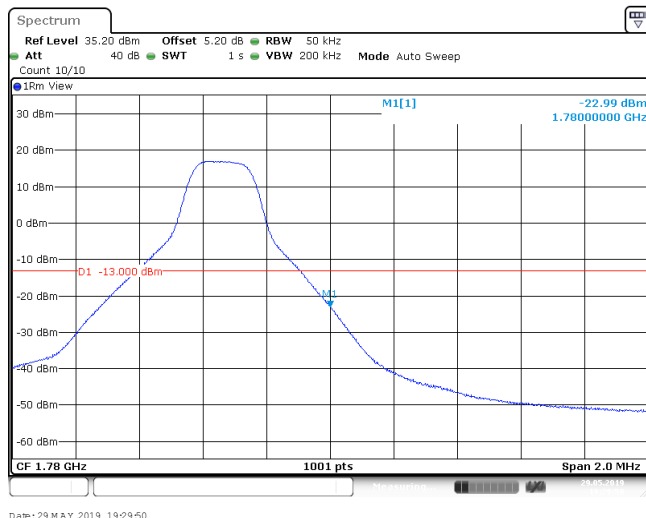


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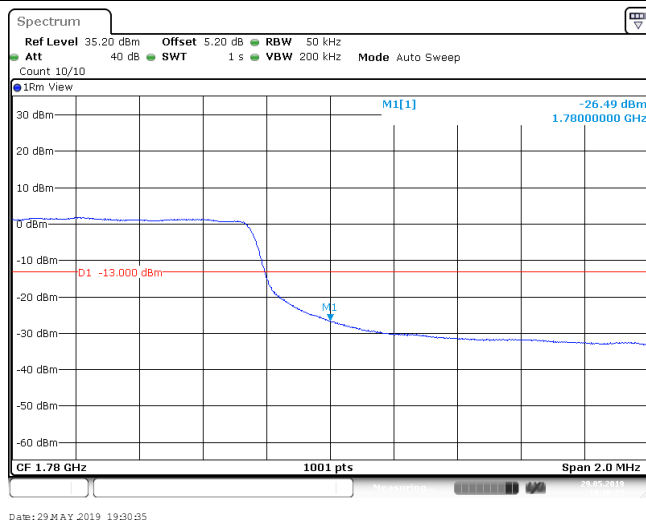


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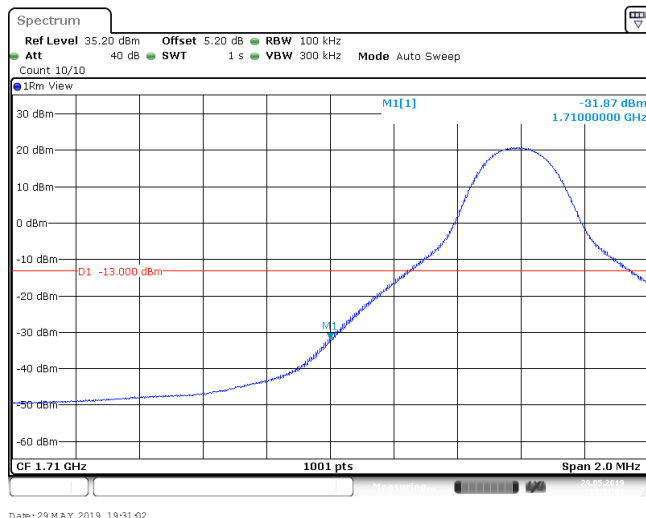


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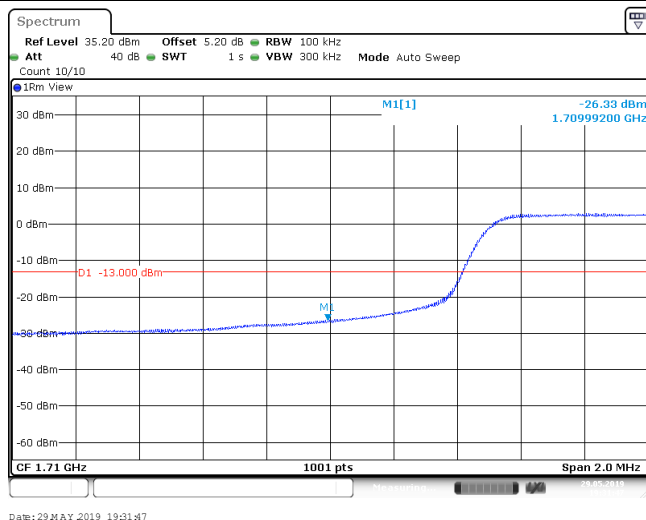


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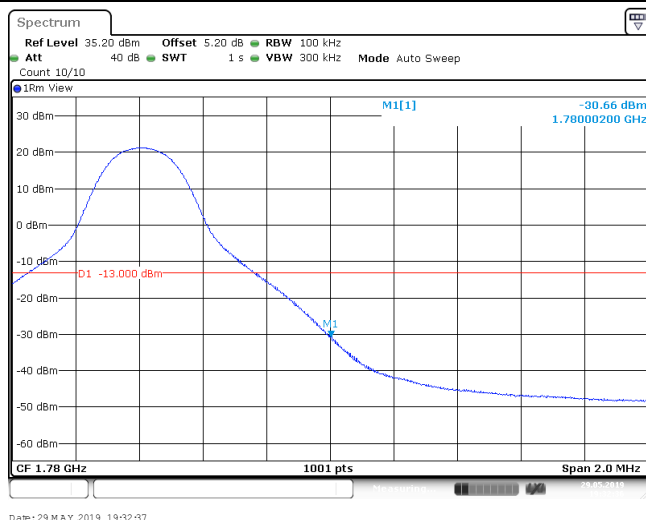


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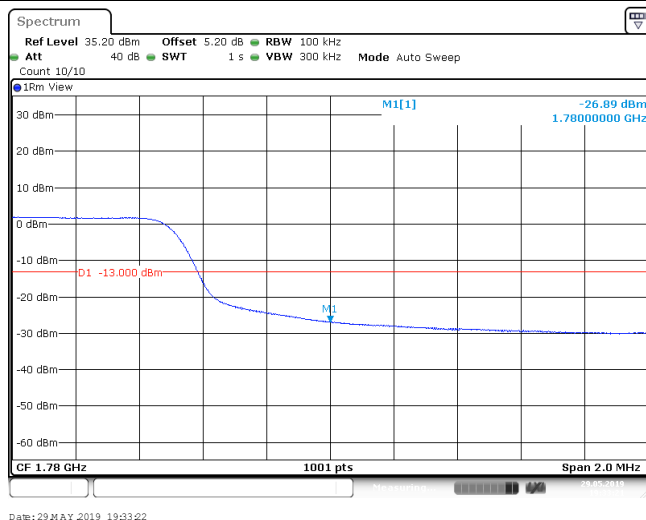


Band66_10MHz_QPSK_132622_1RB#49





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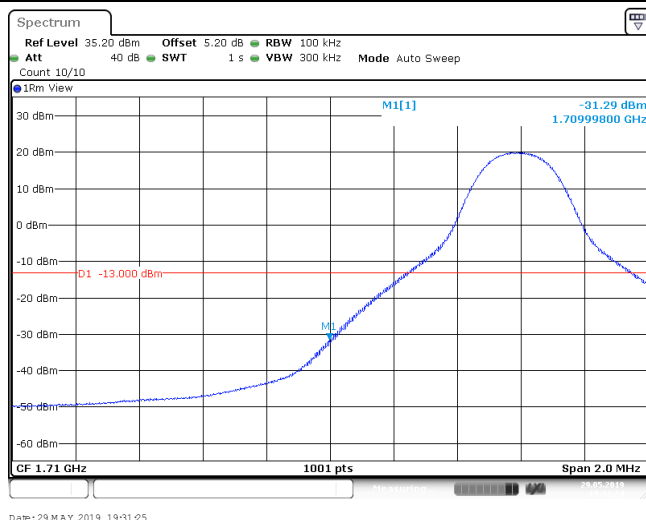


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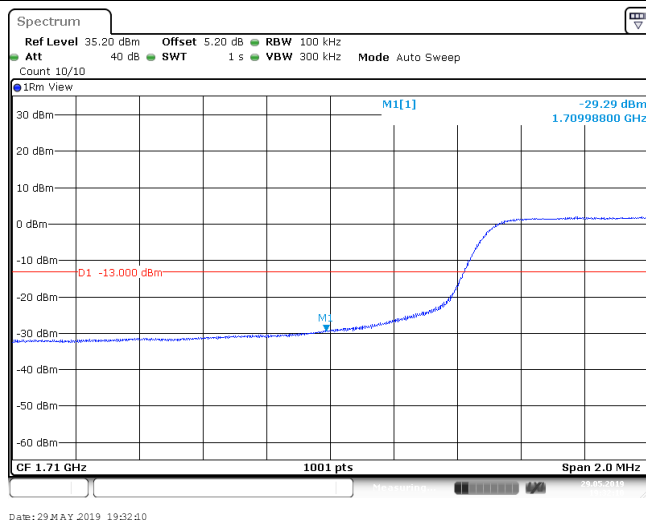


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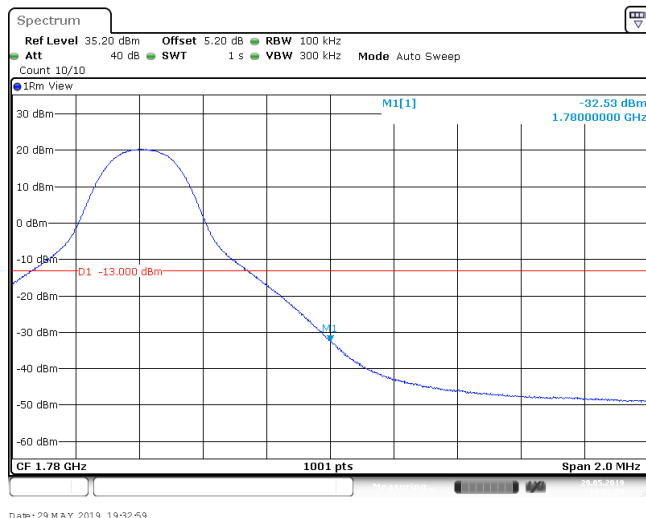


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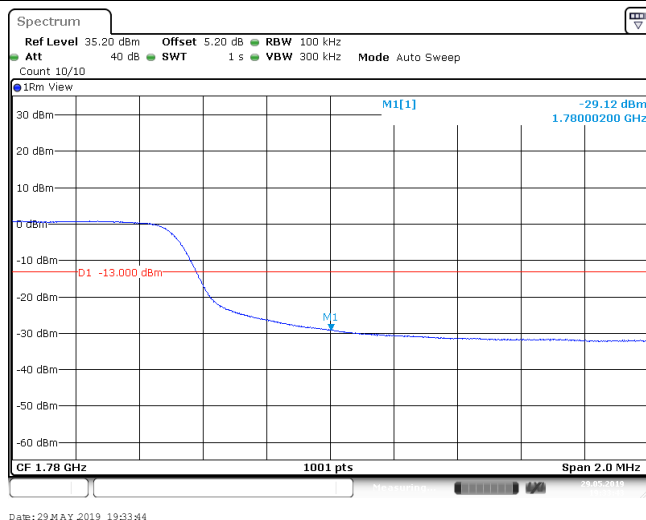


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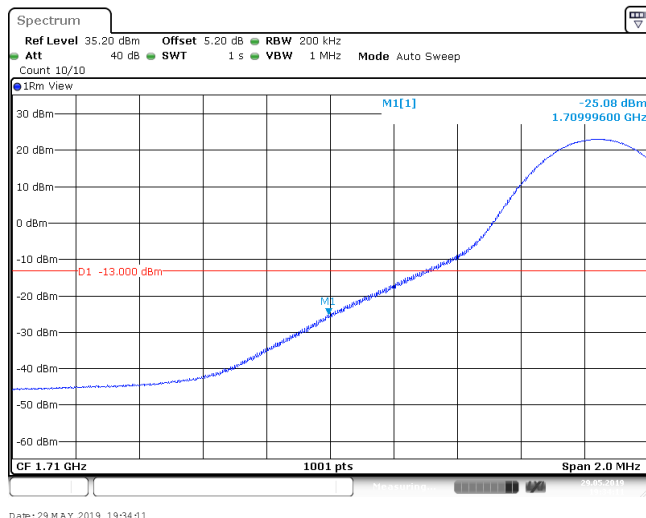


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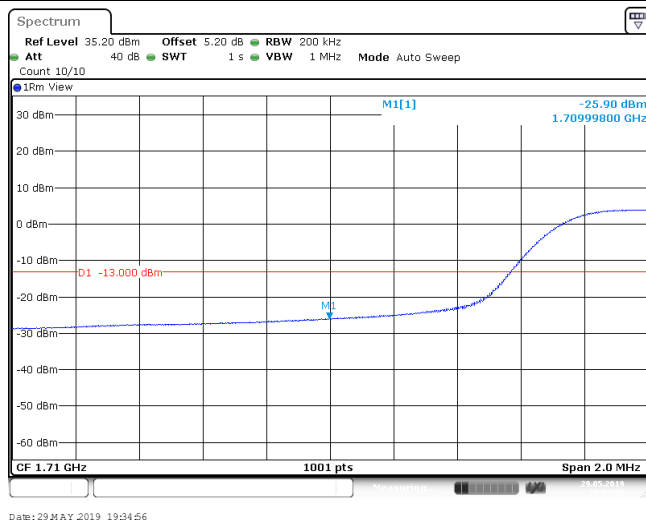


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Band66_15MHz_QPSK_132047_75RB#0



Band66_15MHz_QPSK_132597_1RB#74

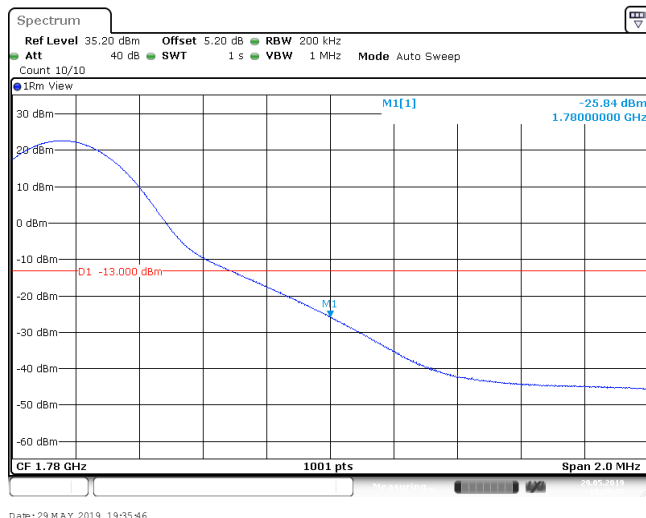


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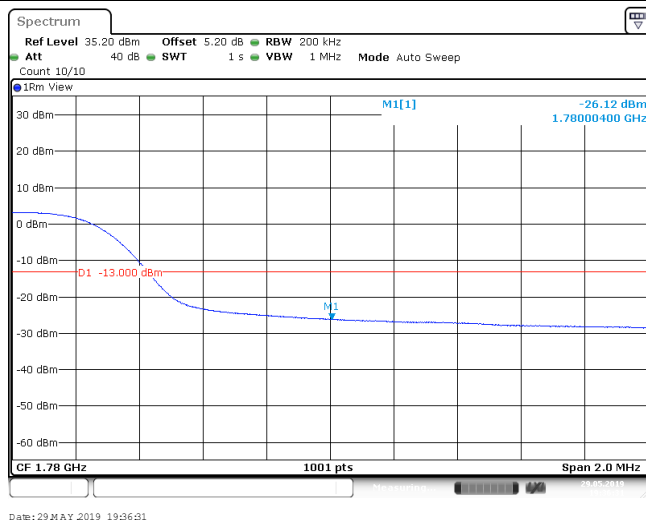
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Band66_15MHz_QPSK_132597_75RB#0

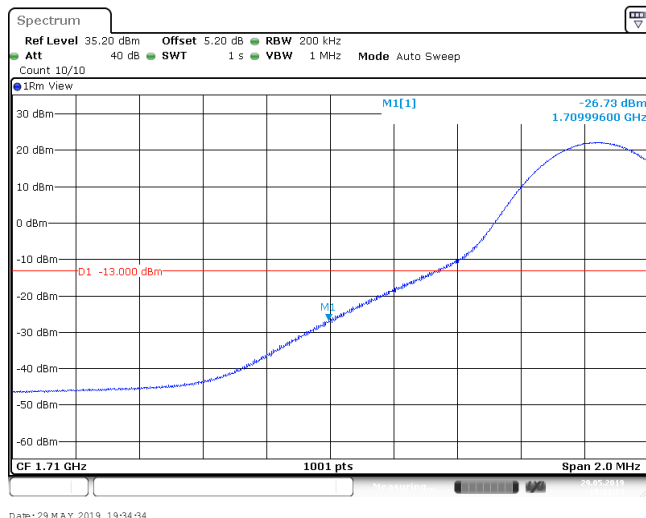


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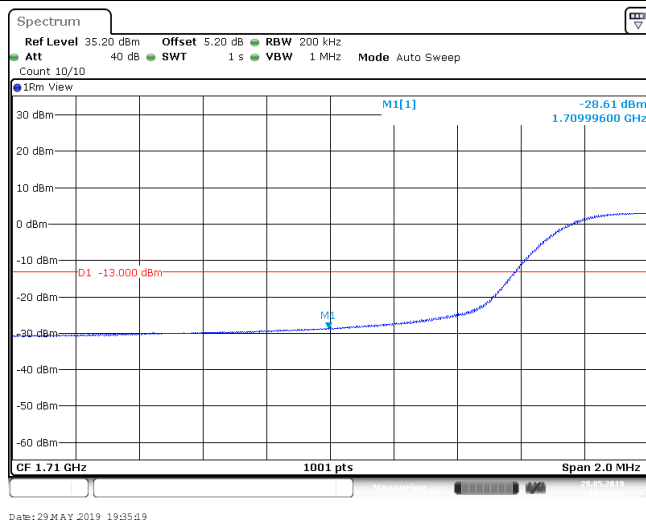


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Band66_15MHz_16QAM_132047_75RB#0



Band66_15MHz_16QAM_132597_1RB#74

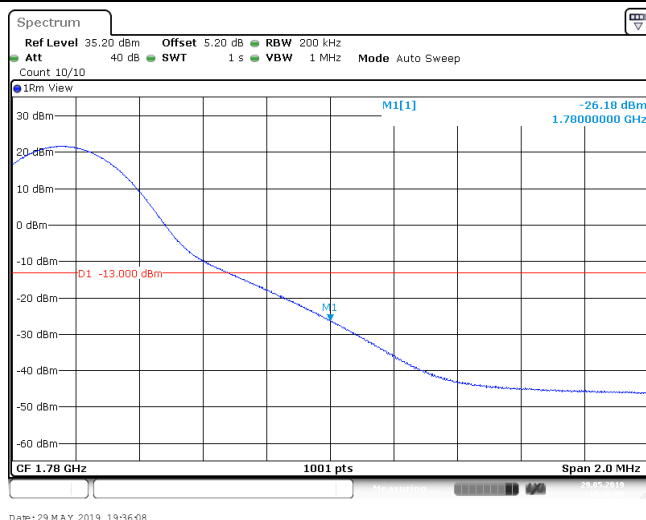


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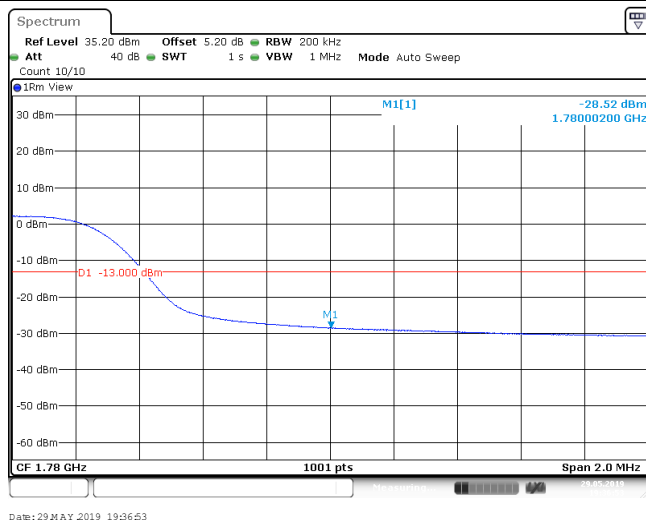
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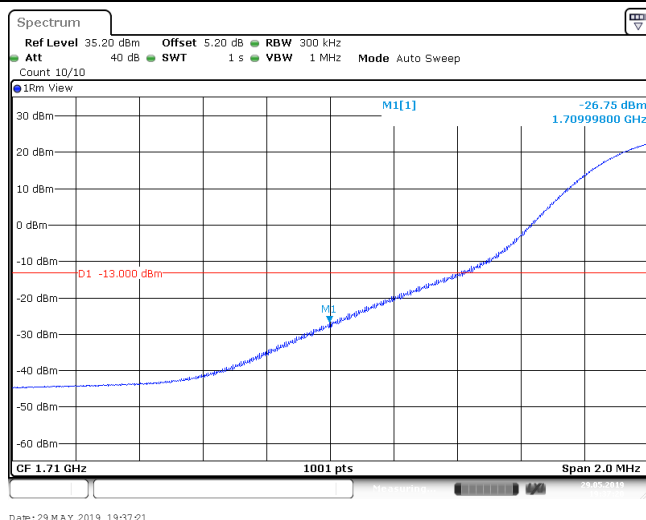


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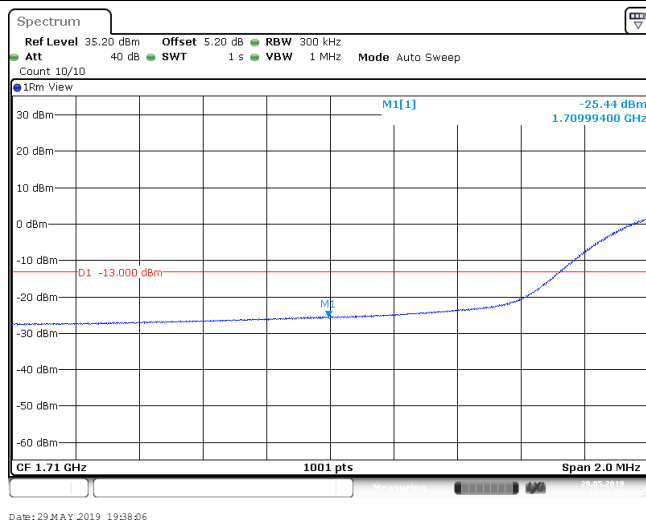


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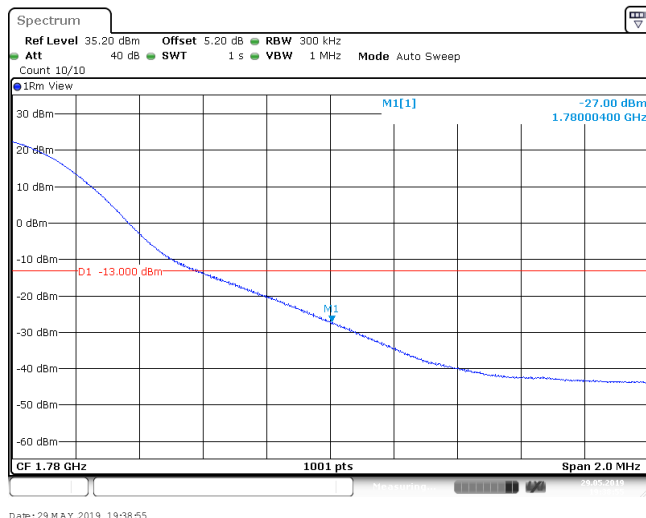


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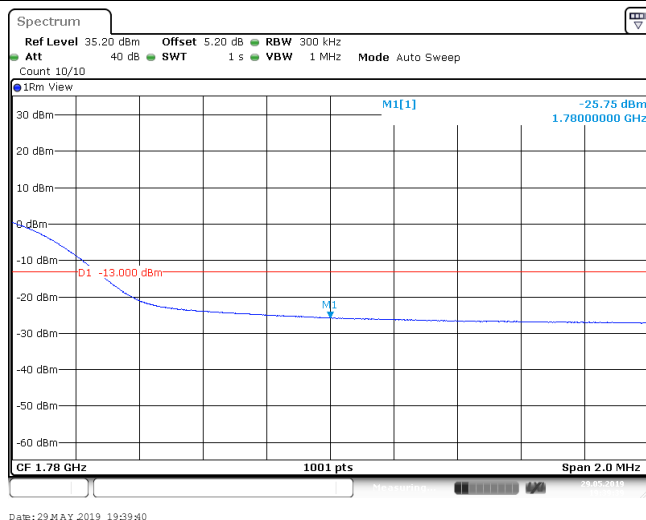


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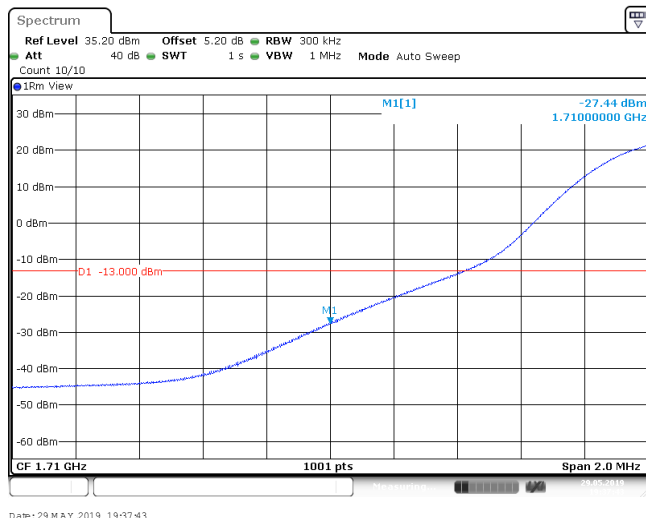


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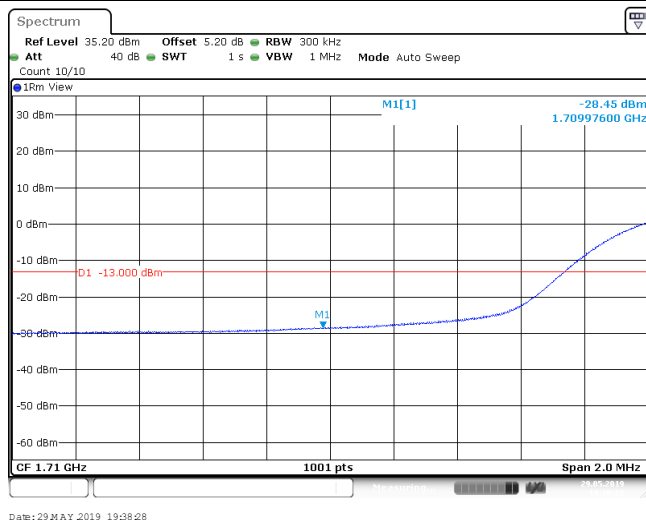


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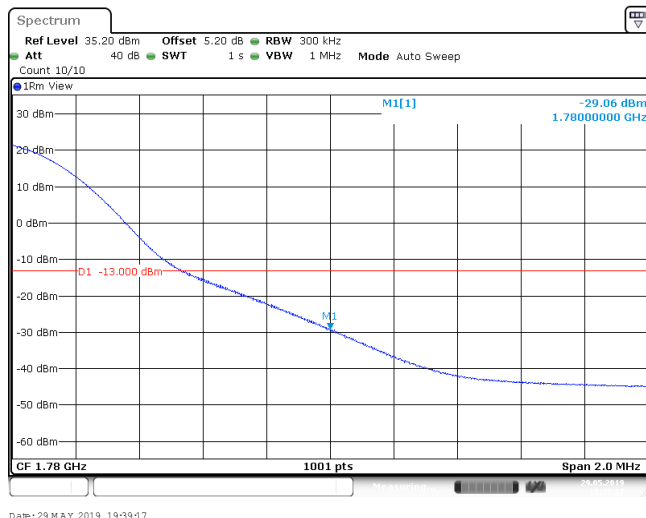


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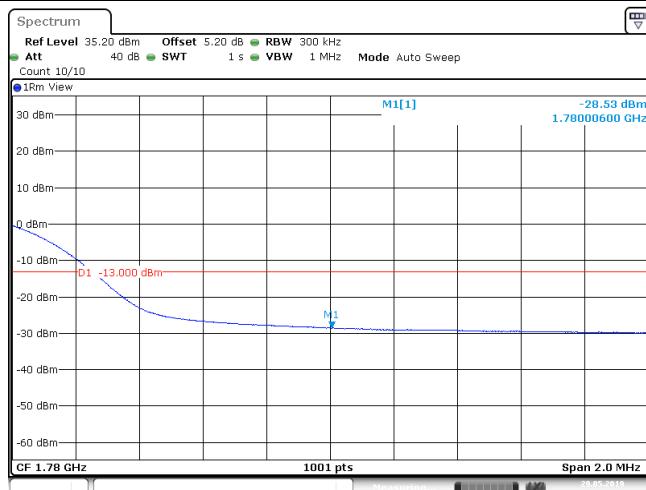
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Date: 29 MAY 2019 19:39:17

Band66_20MHz_16QAM_132572_100RB#0



Date: 29 MAY 2019 19:40:02



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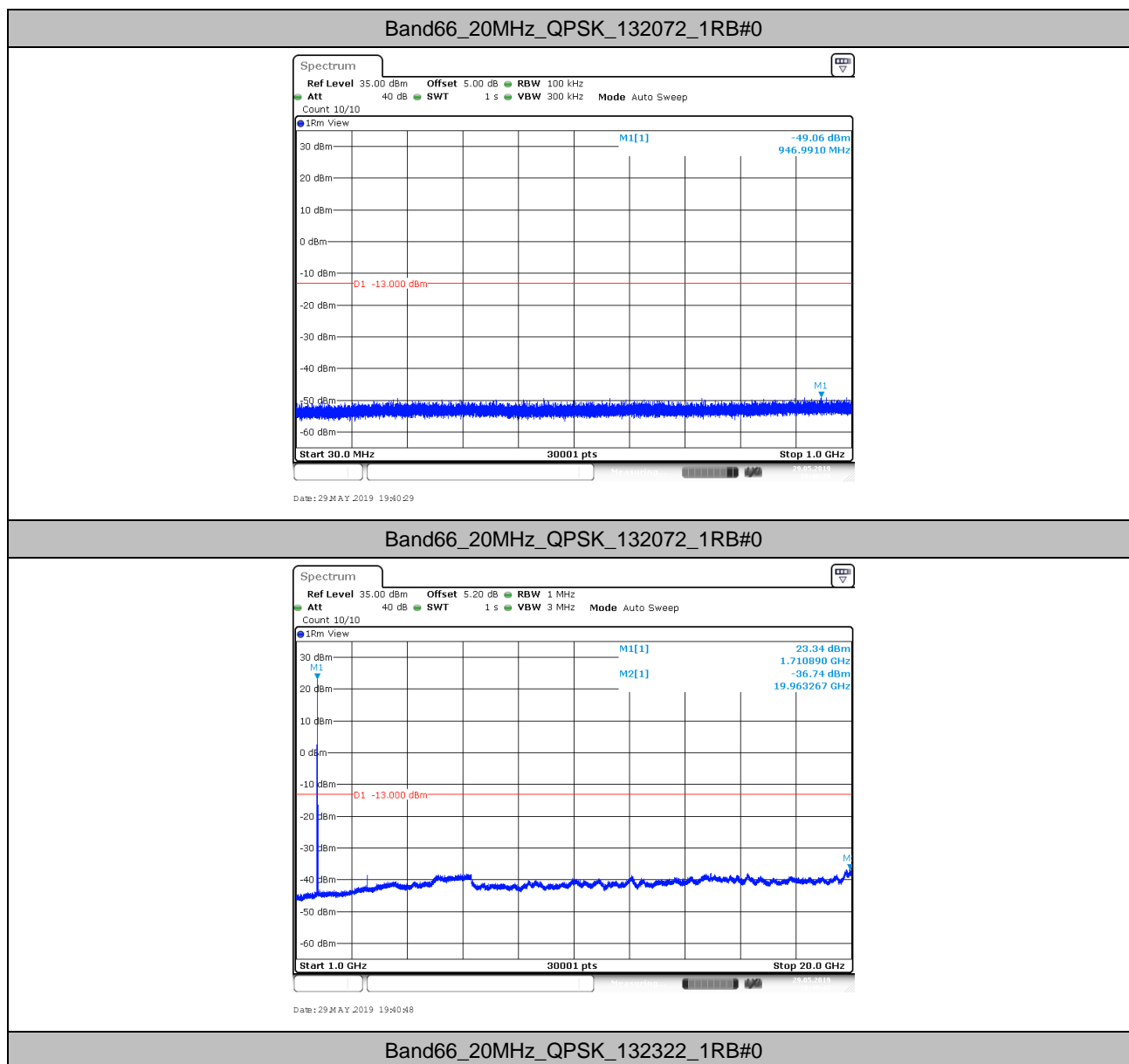
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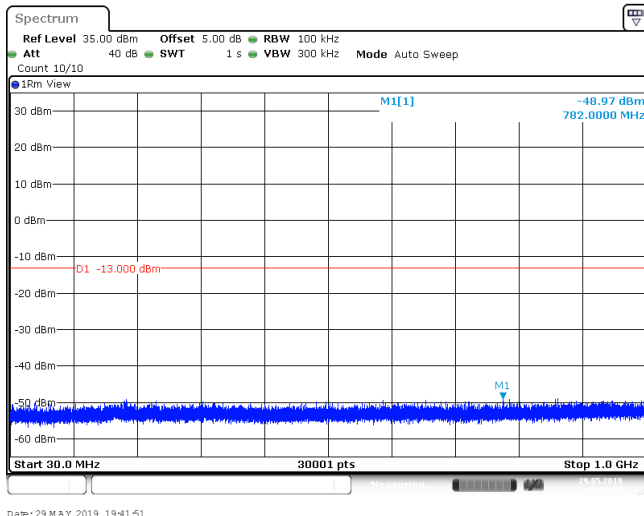
6. Spurious Emission at Antenna Terminal

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 $< RBW/2$ 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.

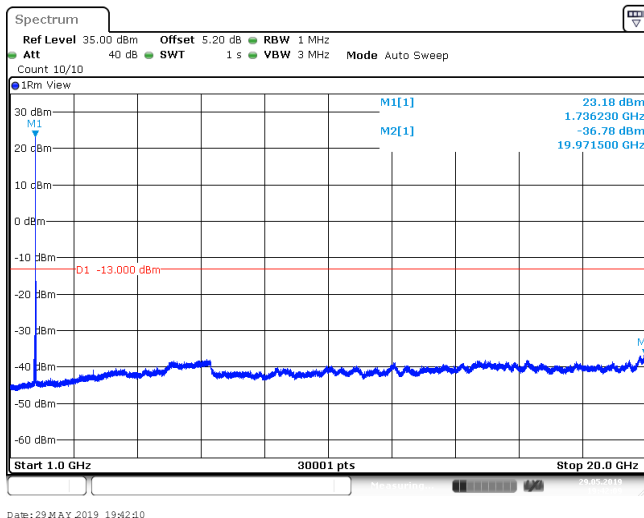
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



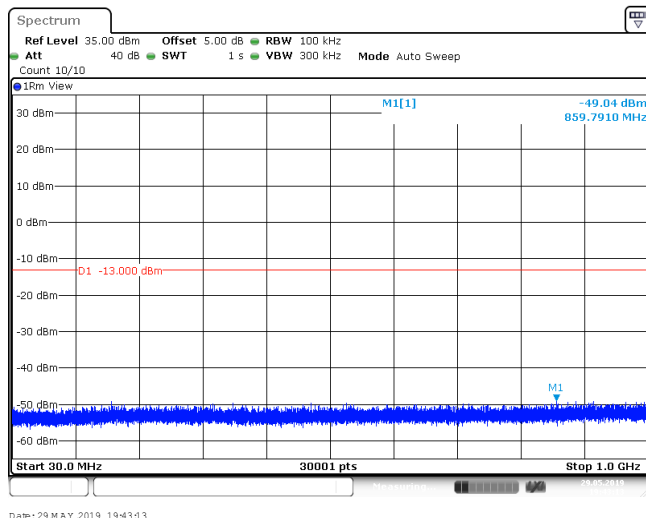


Band66_20MHz_QPSK_132322_1RB#0

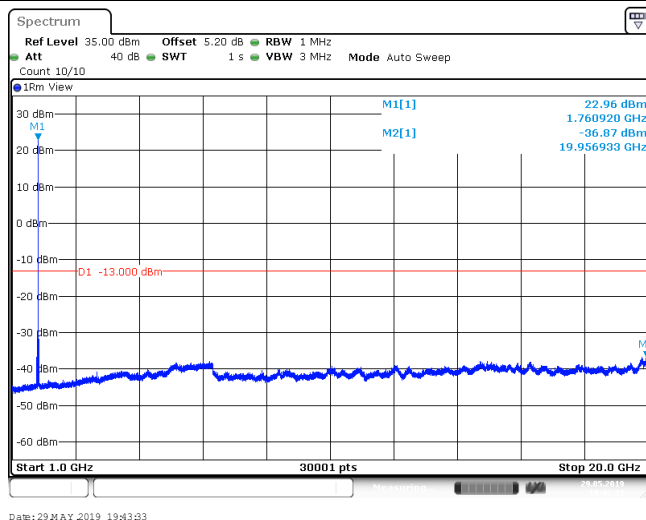


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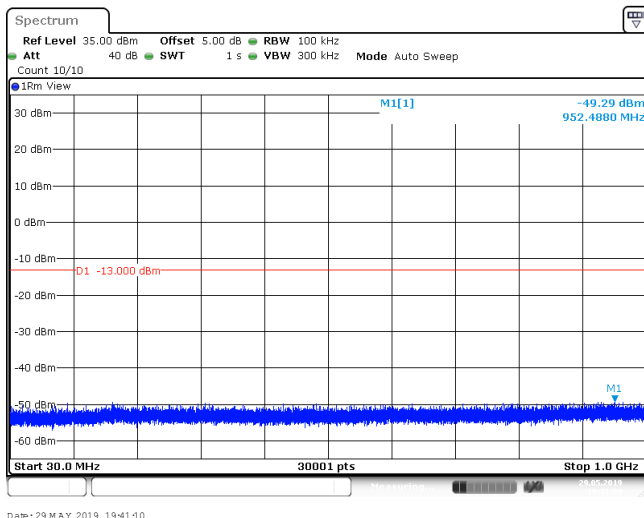


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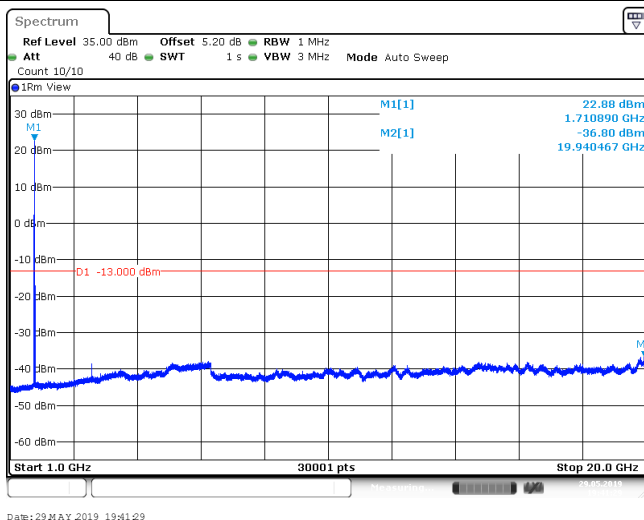


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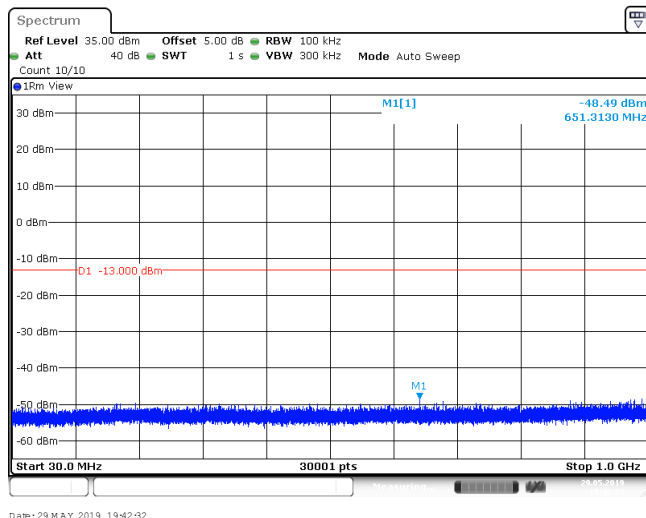


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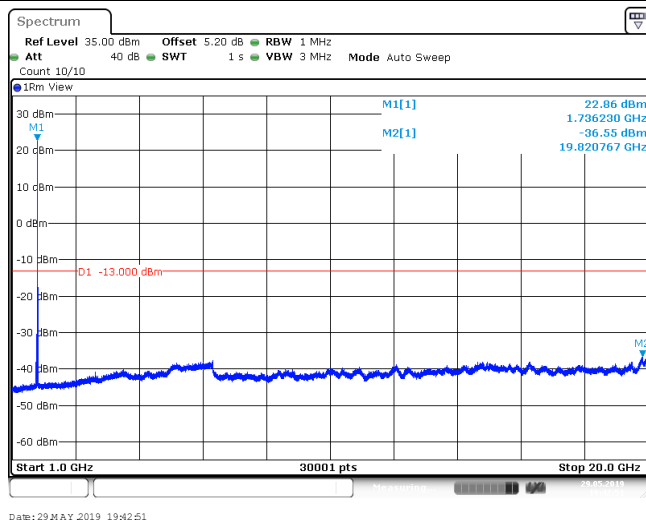


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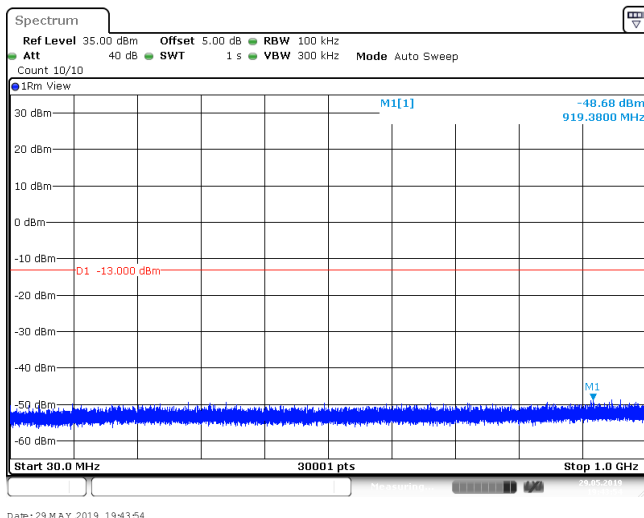


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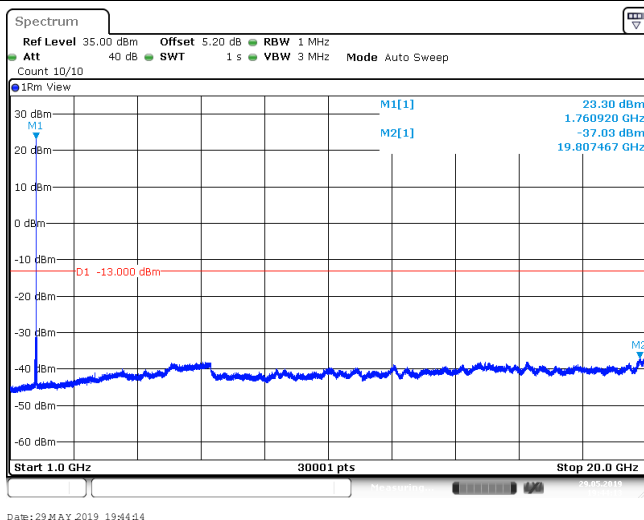


Band66_20MHz_16QAM_132572_1RB#0





Band66_20MHz_16QAM_132572_1RB#0



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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
64.500000	-80.38	-13.00	67.38	Vertical
943.900000	-75.74	-13.00	62.74	Vertical
3422.175000	-51.86	-13.00	38.86	Vertical
5132.975000	-57.76	-13.00	44.76	Vertical
6844.100000	-54.43	-13.00	41.43	Vertical
8555.225000	-59.42	-13.00	46.42	Vertical
55.550000	-76.82	-13.00	63.82	Horizontal
928.362500	-74.77	-13.00	61.77	Horizontal
3422.175000	-44.95	-13.00	31.95	Horizontal
5133.300000	-63.65	-13.00	50.65	Horizontal
6844.425000	-61.88	-13.00	48.88	Horizontal
9215.300000	-61.58	-13.00	48.58	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.400000	-80.36	-13.00	67.36	Vertical
936.291667	-76.09	-13.00	63.09	Vertical
3471.900000	-50.23	-13.00	37.23	Vertical
5208.050000	-59.39	-13.00	46.39	Vertical
6944.525000	-55.03	-13.00	42.03	Vertical
8680.350000	-58.56	-13.00	45.56	Vertical
62.000000	-76.99	-13.00	63.99	Horizontal
367.950000	-83.62	-13.00	70.62	Horizontal
958.658333	-74.45	-13.00	61.45	Horizontal
3471.900000	-43.96	-13.00	30.96	Horizontal
6944.200000	-62.52	-13.00	49.52	Horizontal
9225.050000	-61.39	-13.00	48.39	Horizontal



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Shenzhen Branch (CMAA) Testing Laboratory

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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



7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.500000	-80.53	-13.00	67.53	Vertical
963.287500	-76.07	-13.00	63.07	Vertical
3521.950000	-54.50	-13.00	41.50	Vertical
5282.800000	-59.54	-13.00	46.54	Vertical
7044.625000	-56.82	-13.00	43.82	Vertical
8805.475000	-59.06	-13.00	46.06	Vertical
55.450000	-76.38	-13.00	63.38	Horizontal
958.933333	-74.88	-13.00	61.88	Horizontal
3521.950000	-48.36	-13.00	35.36	Horizontal
5283.125000	-63.36	-13.00	50.36	Horizontal
7043.975000	-62.53	-13.00	49.53	Horizontal
9705.725000	-62.58	-13.00	49.58	Horizontal

Remark:

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.

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

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	-0.80	-0.000465	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	2.80	0.001628	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	0.90	0.000523	±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	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-3.90	-0.002235	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	1.50	0.000847	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	-0.40	-0.000226	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-1.00	-0.000565	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.90	0.001686	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	3.40	0.001977	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-4.20	-0.002407	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-0.60	-0.000344	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-1.30	-0.000745	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	1.40	0.000791	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	0.80	0.000452	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	1.60	0.000904	±2.5	PASS

8.2. Frequency Vs Temperature

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	2.90	0.001686	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	0.30	0.000174	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	1.80	0.001047	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	0.90	0.000523	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	1.70	0.000988	±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	-20	-3.10	-0.001777	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-1.30	-0.000745	±2.5	PASS



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号厂房

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Band66	20MHz	QPSK	132322	100RB#0	NV	10	-0.50	-0.000287	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-0.30	-0.000172	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	1.00	0.000565	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-0.80	-0.000452	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	1.30	0.000734	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-1.00	-0.000565	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	0.80	0.000452	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	0.40	0.000233	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	3.00	0.001744	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	3.40	0.001977	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	1.80	0.001047	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	4.50	0.002616	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-1.30	-0.000745	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-2.50	-0.001433	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-2.60	-0.001490	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-1.50	-0.000860	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-3.30	-0.001891	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	1.90	0.001073	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-0.70	-0.000395	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-1.90	-0.001073	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	-0.10	-0.000056	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-2.20	-0.001243	±2.5	PASS

The End



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