



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	23.08	22.28	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.19	22.39	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.04	22.24	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.15	22.35	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.21	22.41	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.17	22.37	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.17	21.37	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.02	22.22	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.17	22.37	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.01	22.21	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.12	22.32	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.16	22.36	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.12	22.32	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.12	21.32	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.36	22.56	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.51	22.71	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.36	22.56	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.47	22.67	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.54	22.74	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.49	22.69	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.52	21.72	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.34	21.54	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.49	21.69	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.27	21.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.27	21.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.29	21.49	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.18	21.38	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.26	20.46	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.34	21.54	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.35	21.55	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.20	21.40	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.24	21.44	30.00	PASS



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Band66	1.4MHz	16QAM	132322	3RB#1	22.28	21.48	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.21	21.41	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.22	20.42	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.64	21.84	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.69	21.89	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.66	21.86	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.55	21.75	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.58	21.78	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.57	21.77	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.59	20.79	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.08	22.28	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.09	22.29	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.05	22.25	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.14	21.34	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.17	21.37	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.11	21.31	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.12	21.32	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.06	22.26	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.06	22.26	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.08	22.28	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.12	21.32	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.14	21.34	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.13	21.33	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.12	21.32	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.38	22.58	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.43	22.63	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.41	22.61	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.49	21.69	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.50	21.70	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.46	21.66	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.49	21.69	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.29	21.49	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.42	21.62	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.35	21.55	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.24	20.44	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.26	20.46	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.25	20.45	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.12	20.32	30.00	PASS



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Band66	3MHz	16QAM	132322	1RB#0	22.40	21.60	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.41	21.61	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.40	21.60	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.20	20.40	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.22	20.42	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.22	20.42	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.13	20.33	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.54	21.74	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.62	21.82	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.60	21.80	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.56	20.76	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.56	20.76	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.51	20.71	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.47	20.67	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.71	22.91	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.87	23.07	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.84	23.04	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.63	21.83	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.82	22.02	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.74	21.94	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.54	21.74	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.73	22.93	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.79	22.99	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.83	23.03	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.81	22.01	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.73	21.93	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.64	21.84	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.57	21.77	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.75	22.95	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.74	22.94	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.70	22.90	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.58	21.78	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.79	21.99	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.73	21.93	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.59	21.79	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.71	21.91	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.70	21.90	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.71	21.91	30.00	PASS



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Band66	5MHz	16QAM	131997	12RB#0	21.78	20.98	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.77	20.97	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.56	20.76	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.89	21.09	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.71	21.91	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.56	21.76	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.63	21.83	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.63	20.83	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.61	20.81	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.75	20.95	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.65	20.85	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.64	21.84	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.86	22.06	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.68	21.88	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.51	20.71	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.83	21.03	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.62	20.82	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.61	20.81	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.61	22.81	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.52	22.72	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.62	22.82	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.60	21.80	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.53	21.73	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.70	21.90	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.66	21.86	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.69	22.89	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.75	22.95	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.64	22.84	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.51	21.71	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.79	21.99	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.81	22.01	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.59	21.79	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.80	23.00	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.90	23.10	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.74	22.94	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.87	22.07	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.50	21.70	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.50	21.70	30.00	PASS



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Band66	10MHz	QPSK	132622	50RB#0	22.52	21.72	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.54	21.74	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.79	21.99	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.69	21.89	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.56	20.76	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.84	21.04	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.57	20.77	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.73	20.93	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.62	21.82	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.66	21.86	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.52	21.72	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.83	21.03	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.90	21.10	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.74	20.94	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.68	20.88	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.66	21.86	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.79	21.99	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.70	21.90	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.72	20.92	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.69	20.89	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.73	20.93	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.71	20.91	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.59	22.79	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.78	22.98	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.60	22.80	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.71	21.91	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.73	21.93	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.80	22.00	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.89	22.09	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.89	23.09	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.73	22.93	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.51	22.71	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.78	21.98	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.67	21.87	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	22.78	21.98	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.77	21.97	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.62	22.82	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.61	22.81	30.00	PASS



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Band66	15MHz	QPSK	132597	1RB#74	23.74	22.94	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.81	22.01	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.57	21.77	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.69	21.89	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.85	22.05	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.56	21.76	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.53	21.73	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.78	21.98	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.51	20.71	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.85	21.05	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.89	21.09	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.87	21.07	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.89	22.09	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.78	21.98	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.57	21.77	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.61	20.81	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.64	20.84	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.84	21.04	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.67	20.87	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.74	21.94	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.51	21.71	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.62	21.82	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.55	20.75	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.88	21.08	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.76	20.96	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.78	20.98	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.69	22.89	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.51	22.71	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.85	23.05	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.86	22.06	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.70	21.90	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.68	21.88	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.61	21.81	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.76	22.96	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.71	22.91	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.75	22.95	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.59	21.79	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.82	22.02	30.00	PASS



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Band66	20MHz	QPSK	132322	50RB#50	22.59	21.79	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.85	22.05	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.61	22.81	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.78	22.98	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.89	23.09	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.81	22.01	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.59	21.79	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.61	21.81	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.72	21.92	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.83	22.03	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.58	21.78	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.82	22.02	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.80	21.00	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.76	20.96	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.67	20.87	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.62	20.82	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.76	21.96	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.66	21.86	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.66	21.86	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.60	20.80	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.87	21.07	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.64	20.84	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.73	20.93	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.54	21.74	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.82	22.02	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.58	21.78	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.71	20.91	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.86	21.06	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.58	20.78	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.81	21.01	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 [dBi]

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



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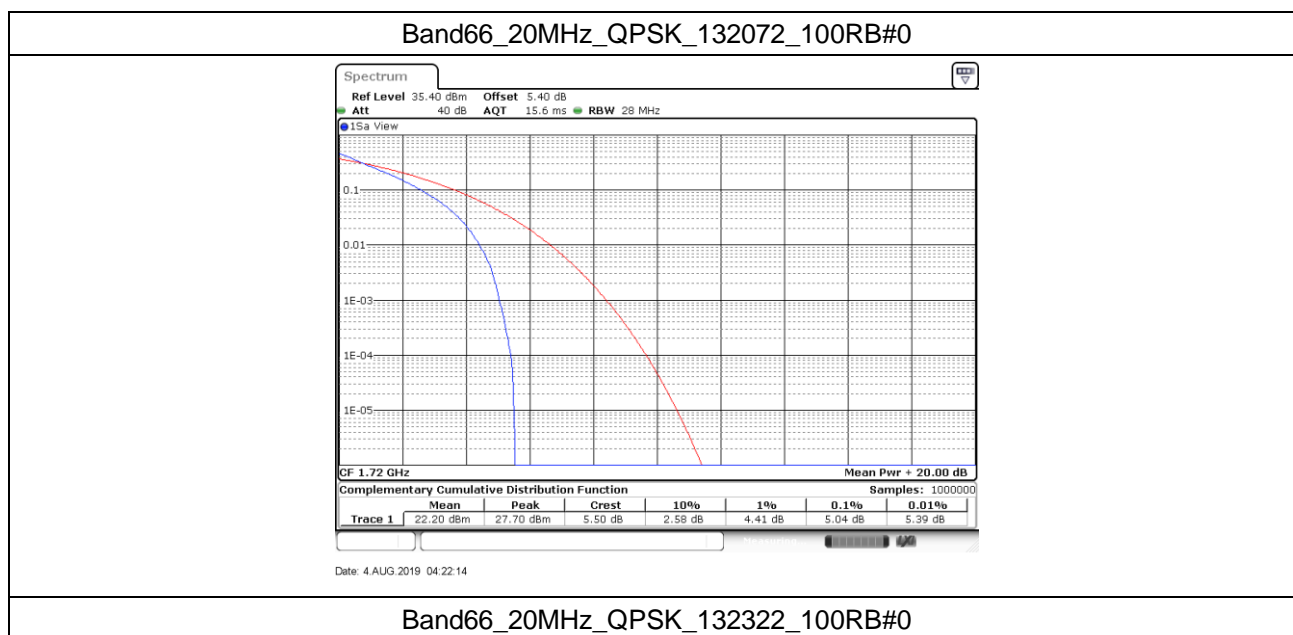
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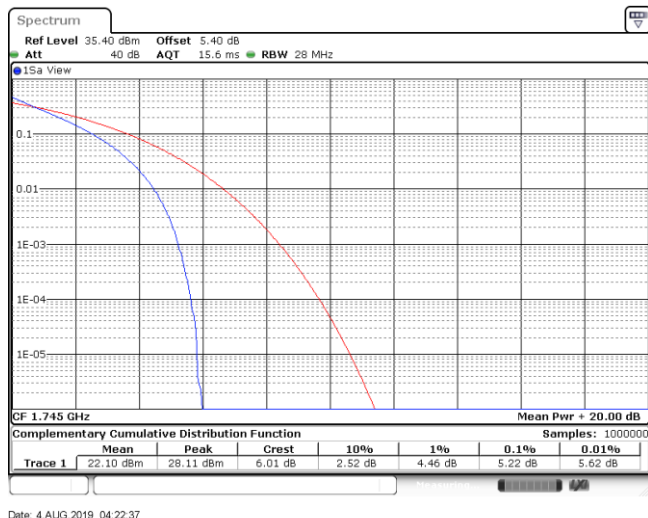
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.04	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.22	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.94	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.09	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.00	13	PASS

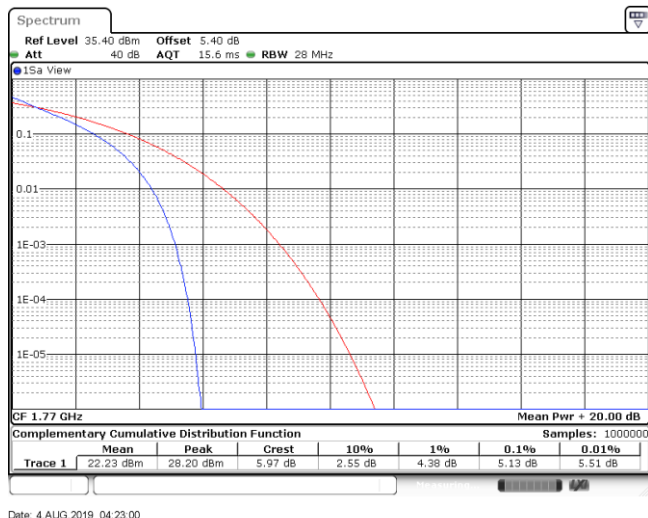
2.2. Test Plots





Date: 4 AUG 2019 04:22:37

Band66_20MHz_QPSK_132572_100RB#0



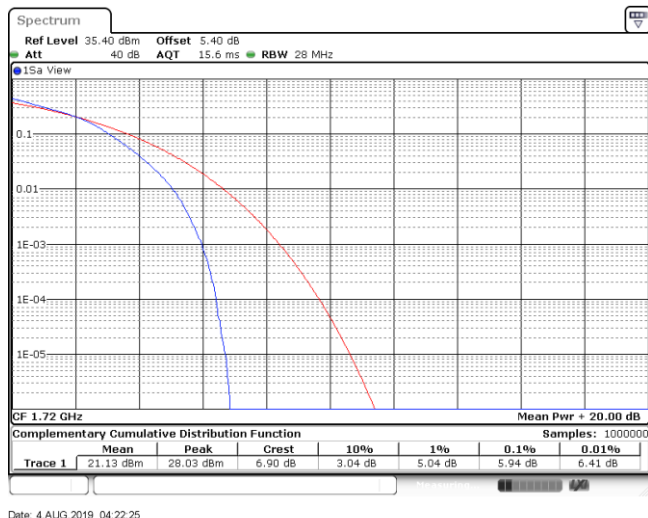
Date: 4 AUG 2019 04:23:00

Band66_20MHz_16QAM_132072_100RB#0



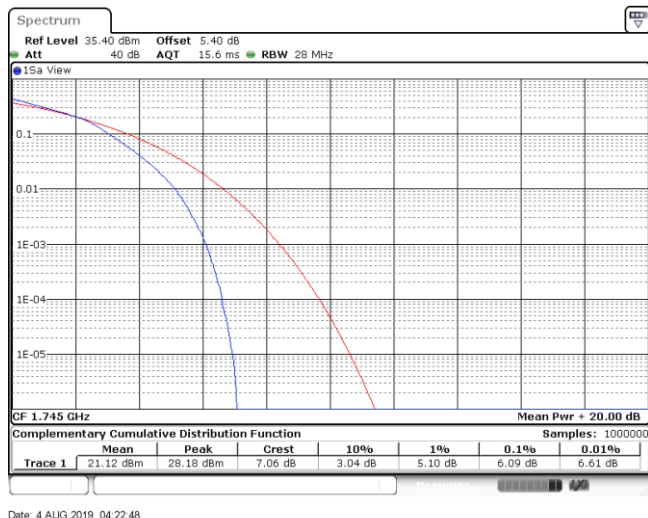
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Date: 4 AUG 2019 04:22:25

Band66_20MHz_16QAM_132322_100RB#0



Date: 4 AUG 2019 04:22:48

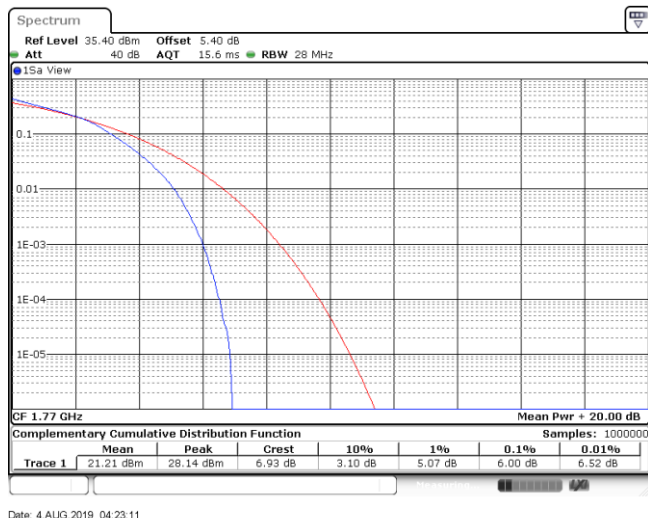
Band66_20MHz_16QAM_132572_100RB#0



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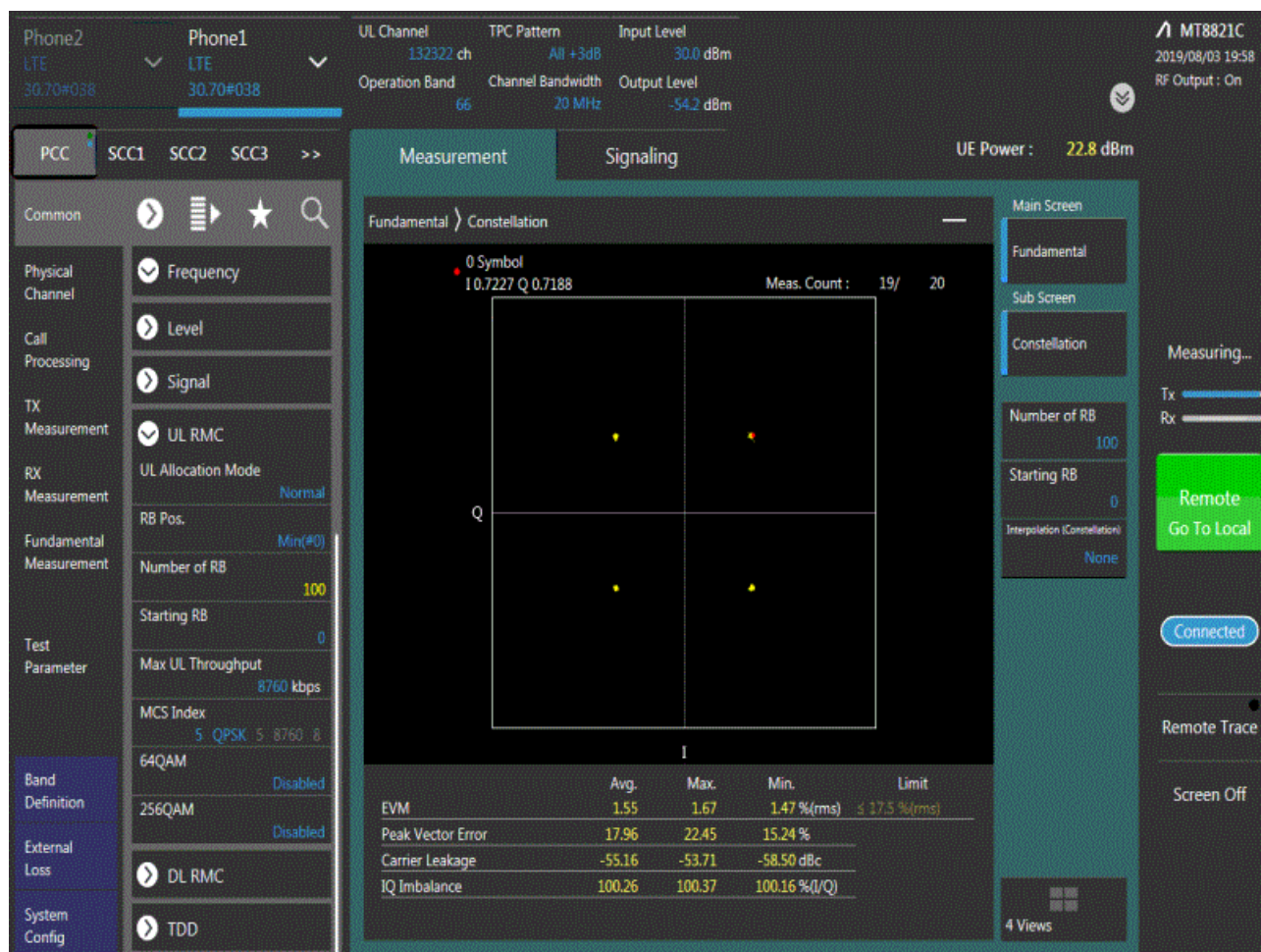
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3. Modulation Characteristics

3.1. Test Band = LTE Band 66

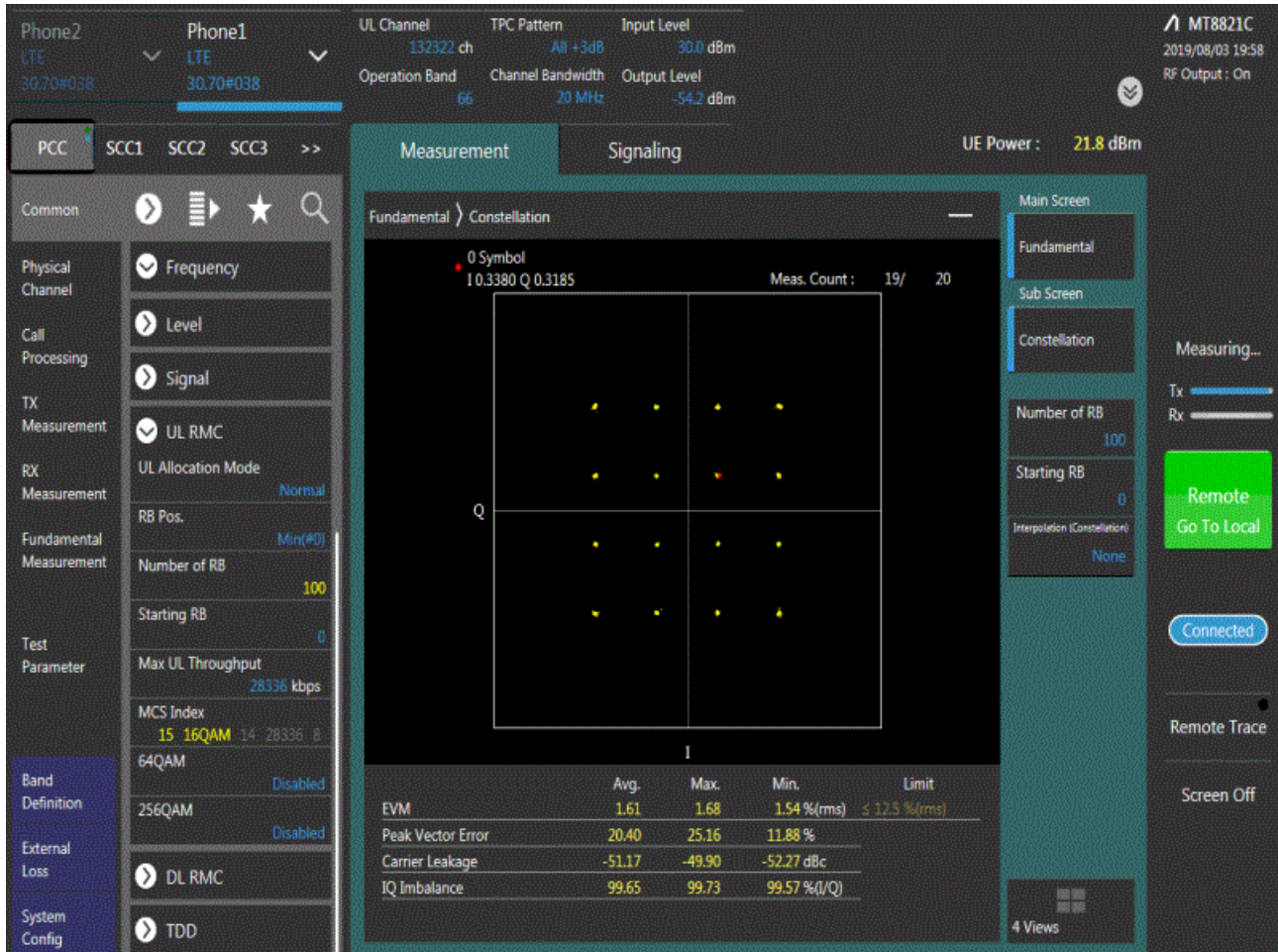
3.2. Test Mode = LTE /TM1 20MHz

3.2.1. Test Channel = MCH



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	1.091	1.278	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.275	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.088	1.275	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	2.685	2.916	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	2.922	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.685	2.922	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.679	2.898	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.673	2.904	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.673	2.898	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.486	5.060	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.060	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	5.050	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.486	5.100	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	5.090	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	5.100	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.940	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.880	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.951	9.880	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.931	9.960	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.951	9.840	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.951	9.940	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.487	15.030	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.487	15.120	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.516	15.120	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.487	14.910	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.516	15.150	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.516	15.150	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.680	PASS



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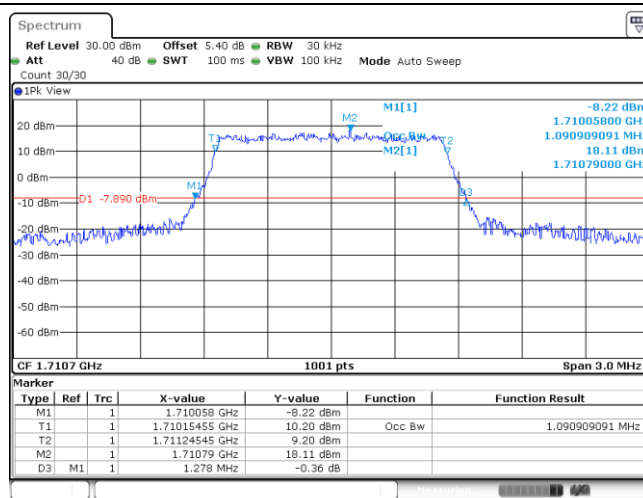
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Band66	20MHz	QPSK	132322	100RB#0	17.942	19.760	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.982	19.760	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.902	19.640	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.942	19.800	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.982	19.680	PASS

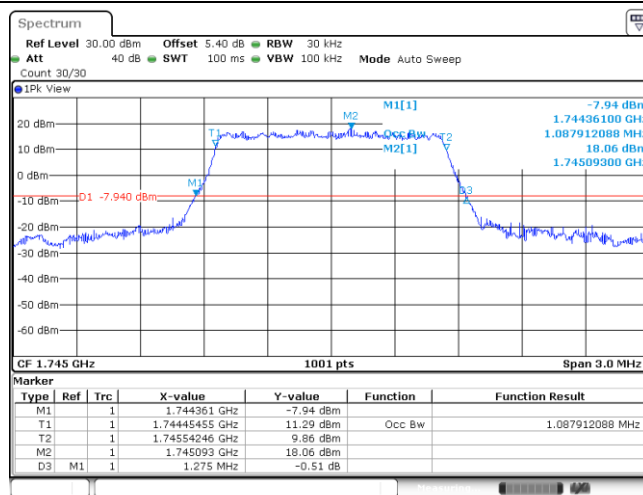
4.2. Test Plots

Band66_1.4MHz_QPSK_131979_6RB#0



Date: 4 AUG 2019 03:15:46

Band66_1.4MHz_QPSK_132322_6RB#0



Date: 4 AUG 2019 03:16:12

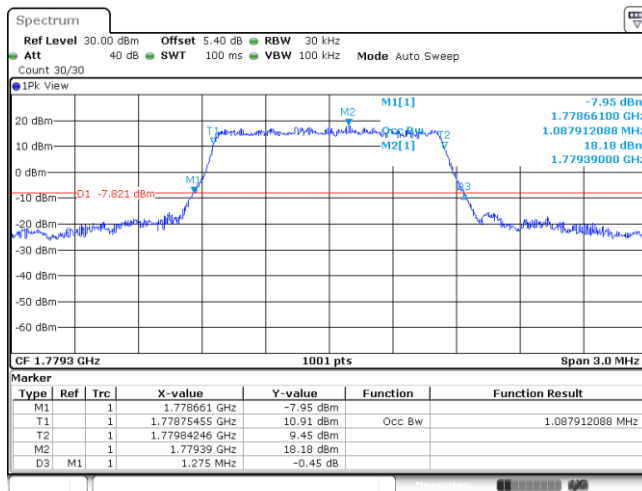
Band66_1.4MHz_QPSK_132665_6RB#0



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Shenzhen Branch

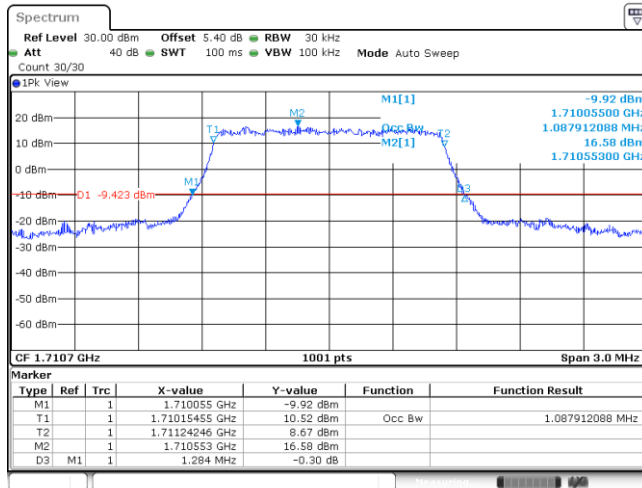
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Date: 4 AUG.2019 03:16:38

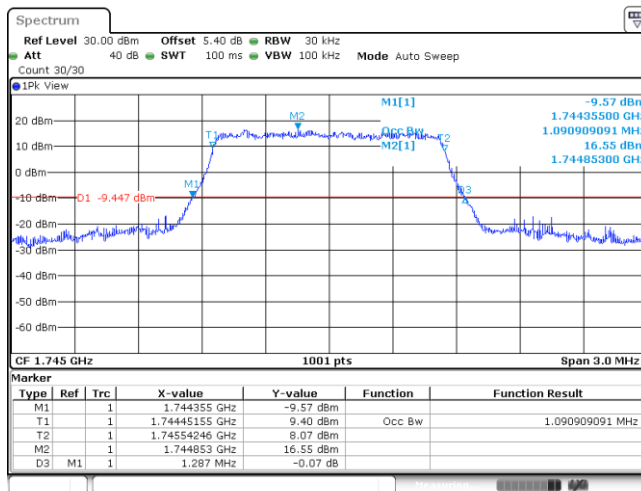
Band66_1.4MHz_16QAM_131979_6RB#0



Date: 4 AUG.2019 03:15:59

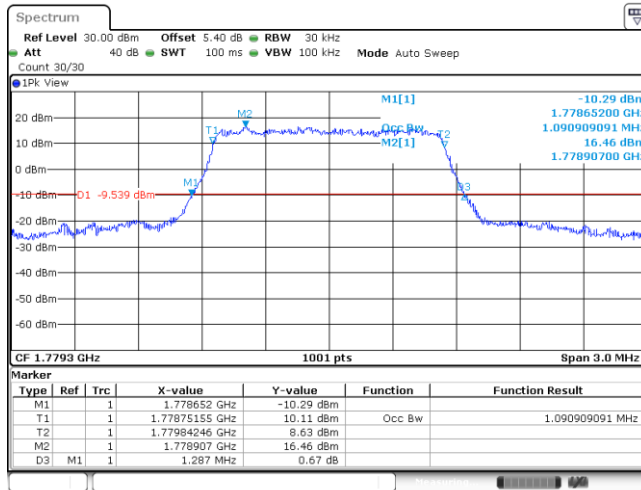
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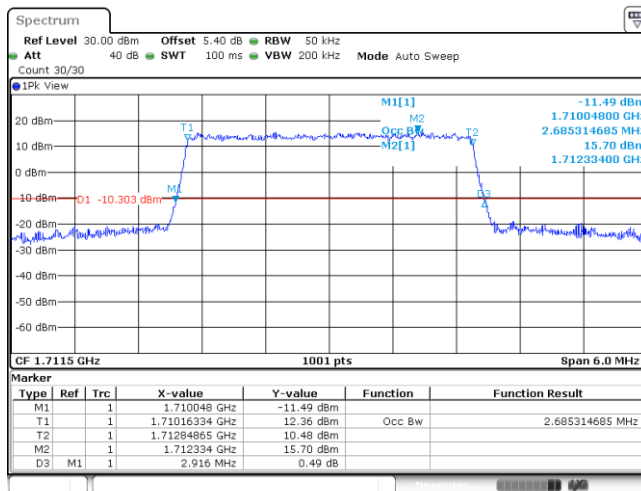
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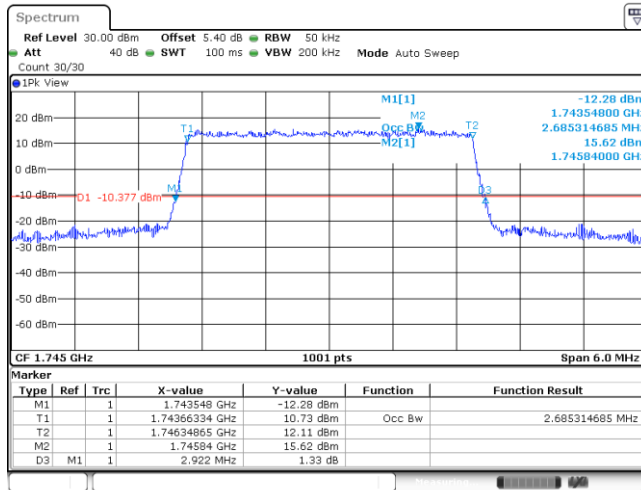
Band66_3MHz_QPSK_131987_15RB#0





Date: 4 AUG. 2019 03:17:09

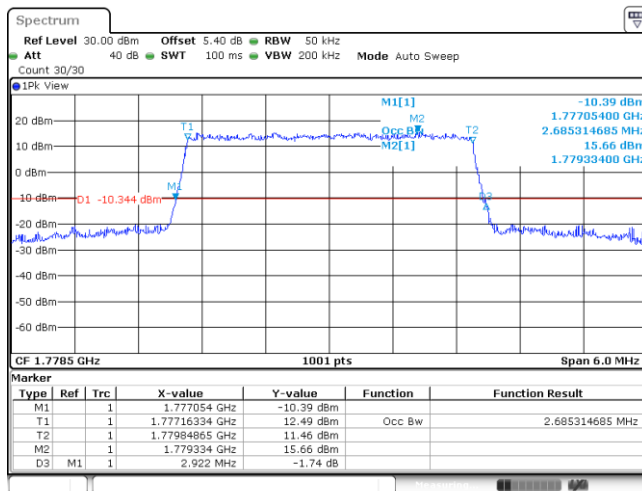
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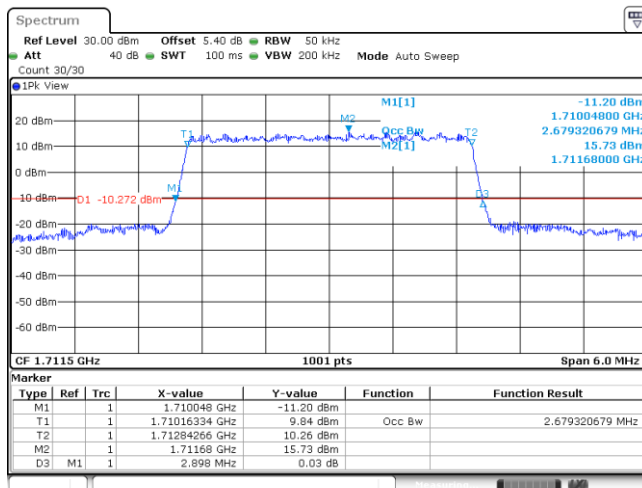
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Date: 4 AUG.2019 03:18:00

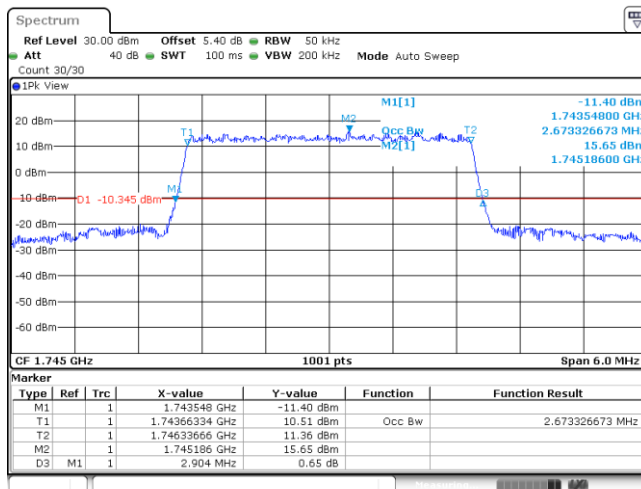
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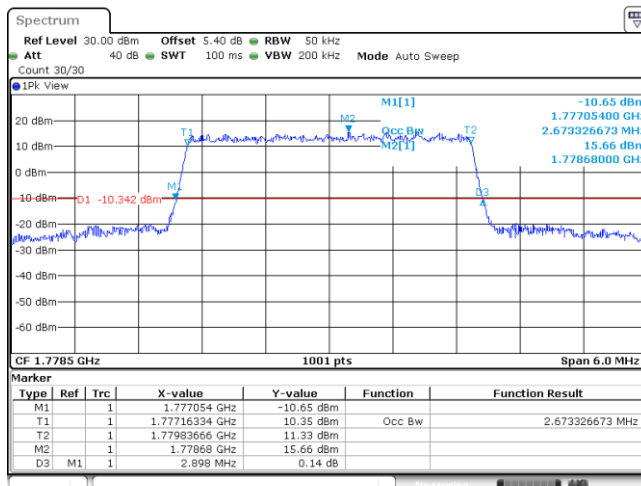
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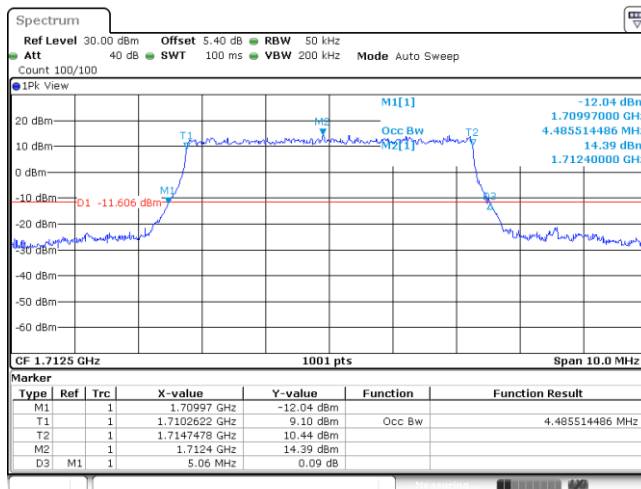
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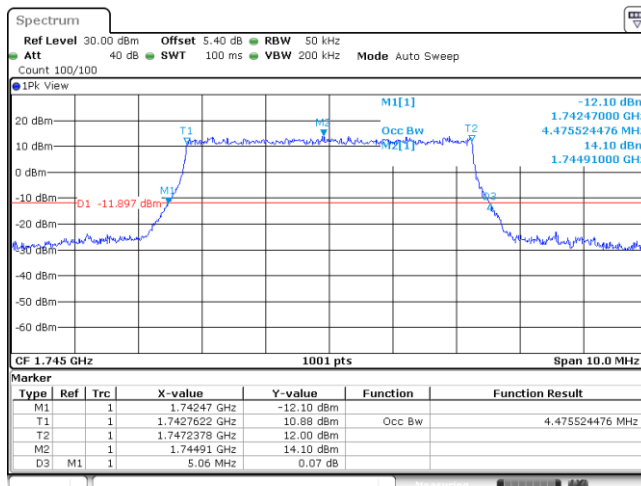
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Date: 4 AUG. 2019 03:18:38

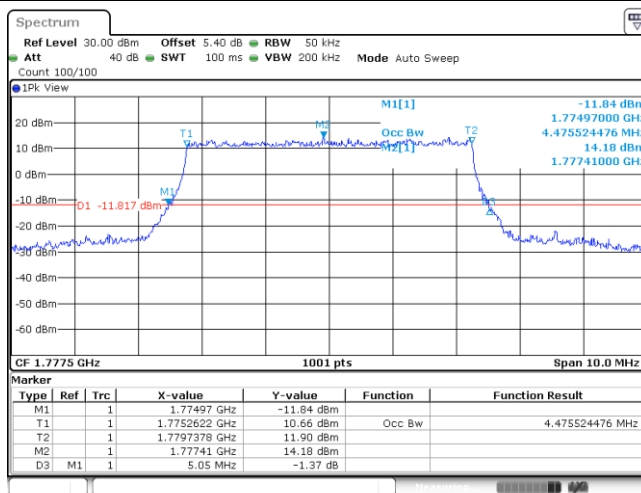
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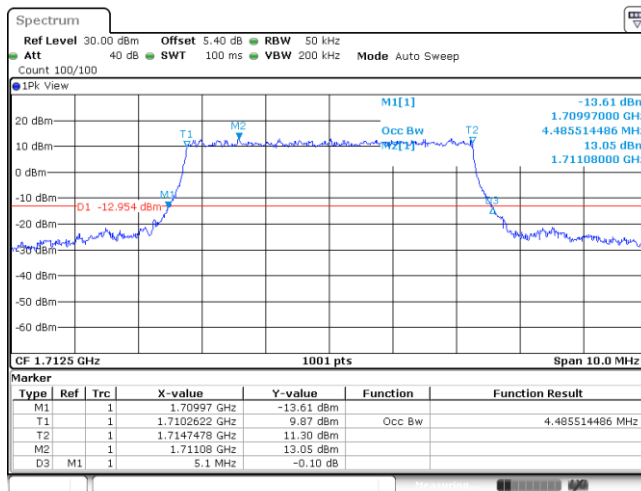
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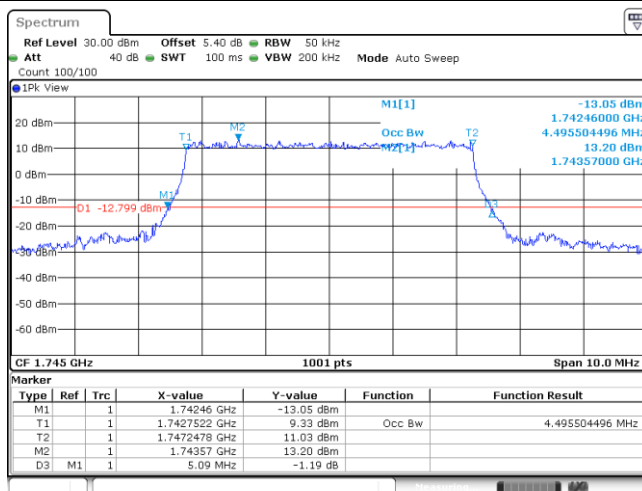
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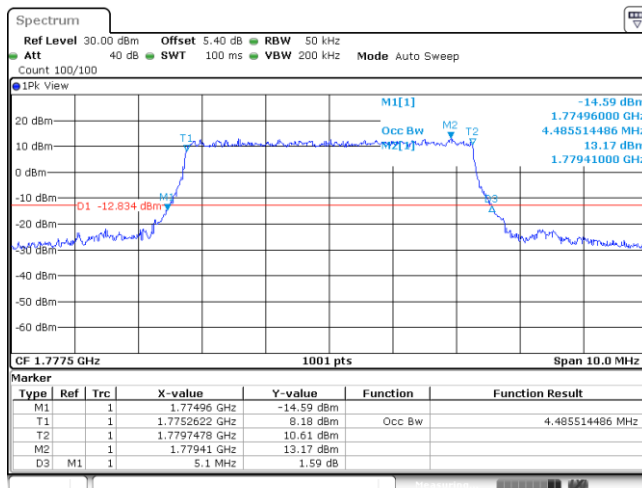
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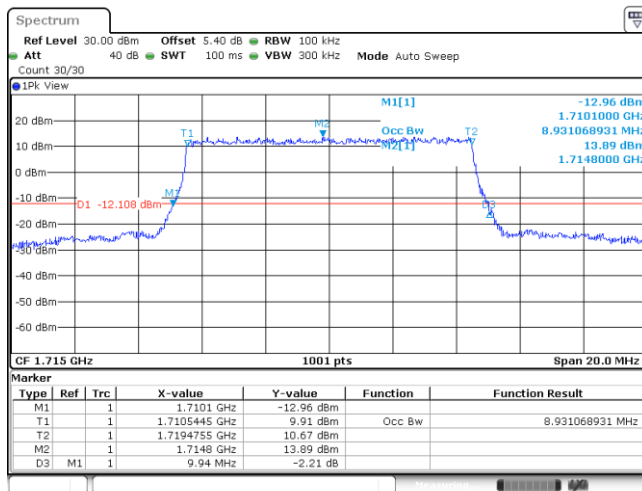
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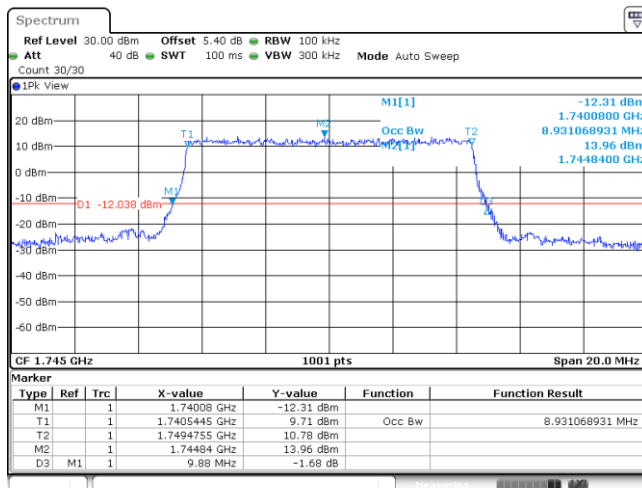
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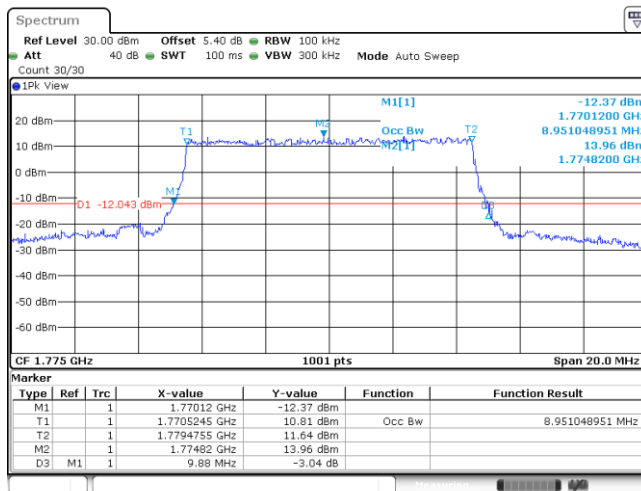
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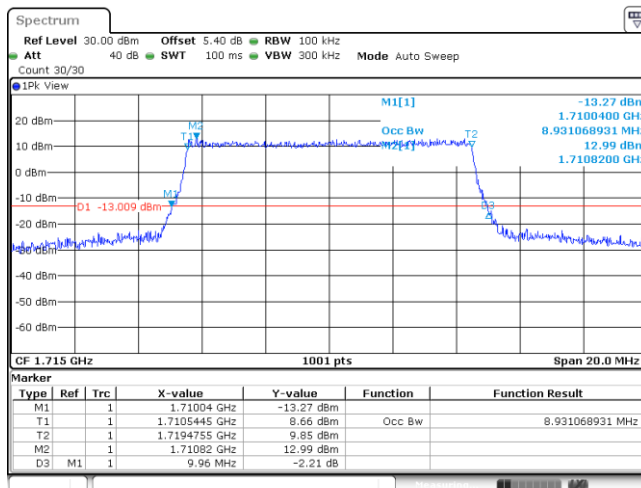
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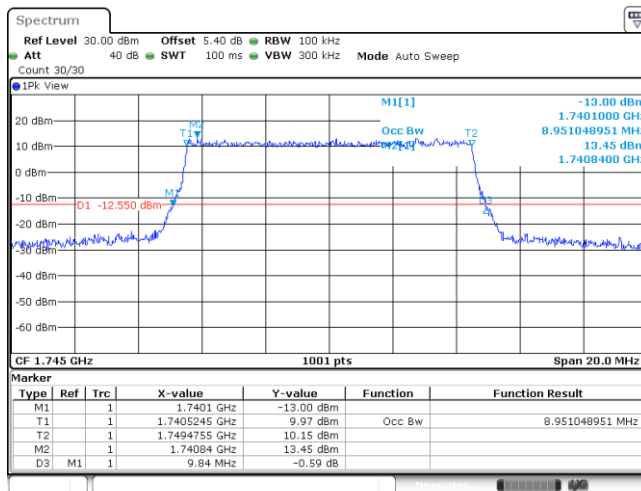
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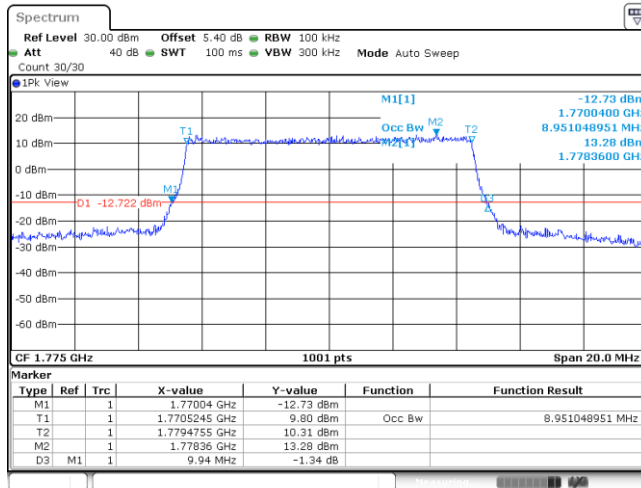
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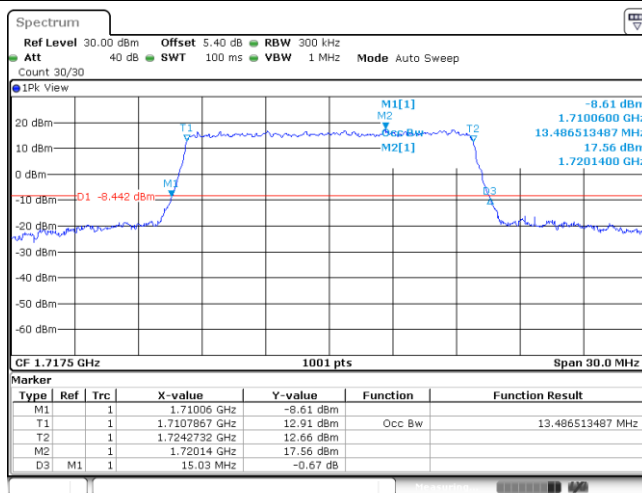
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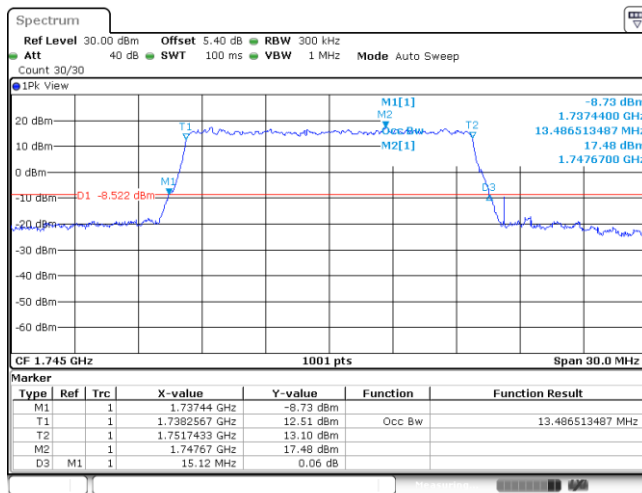
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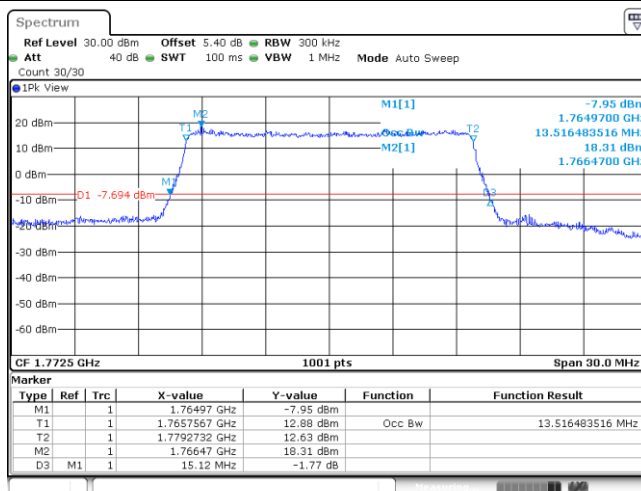
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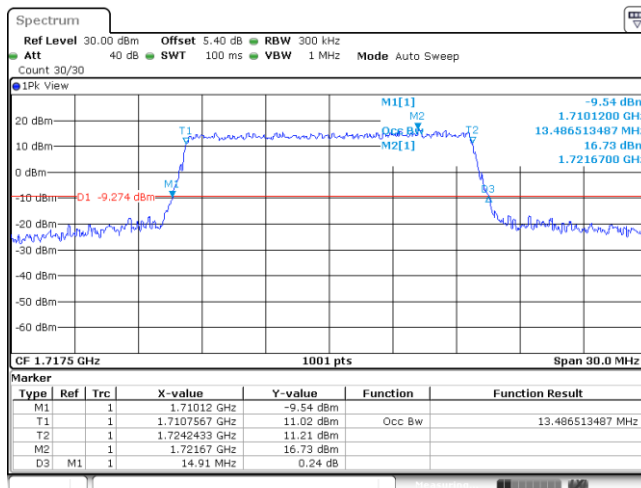
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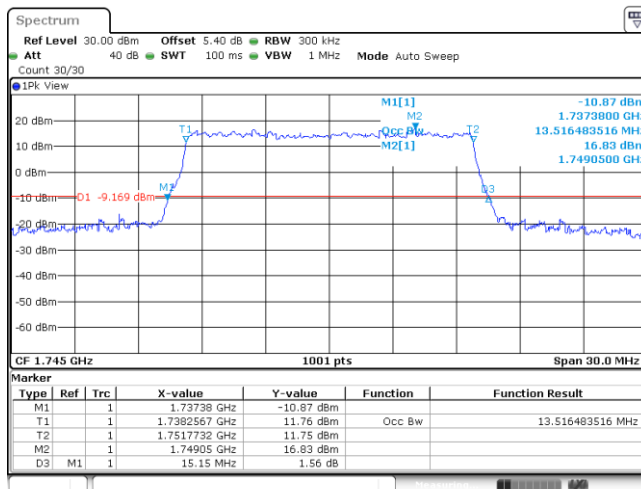
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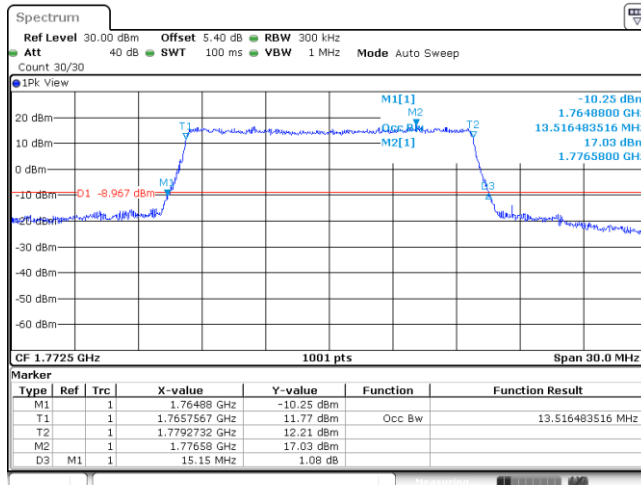
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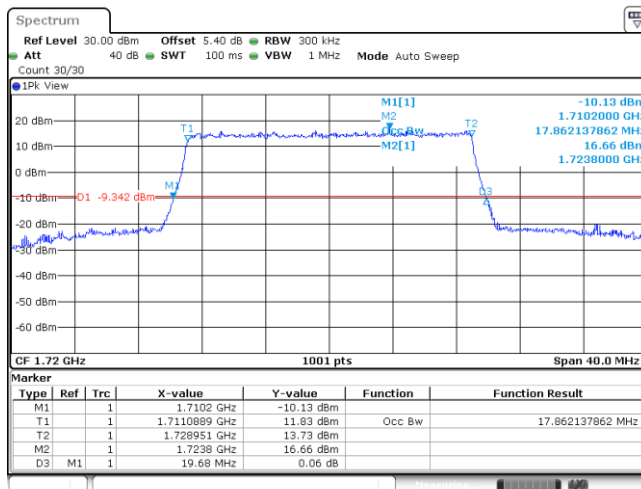
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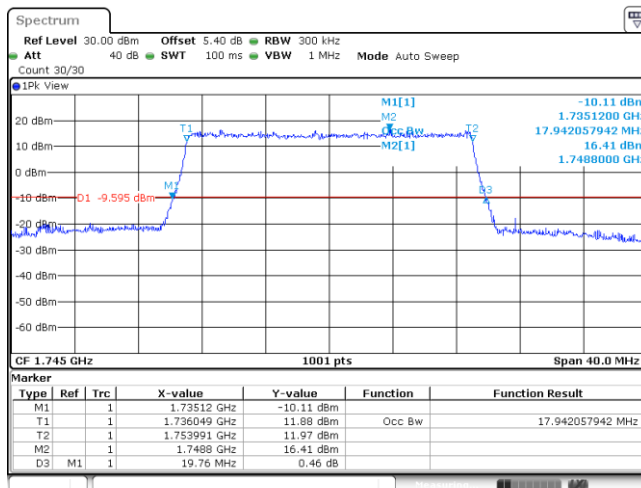
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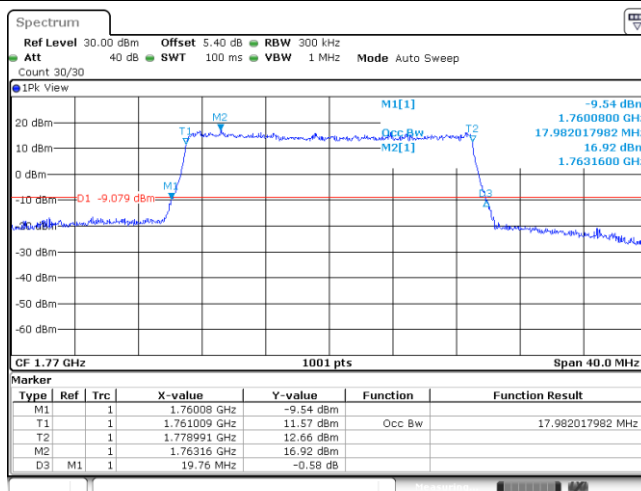
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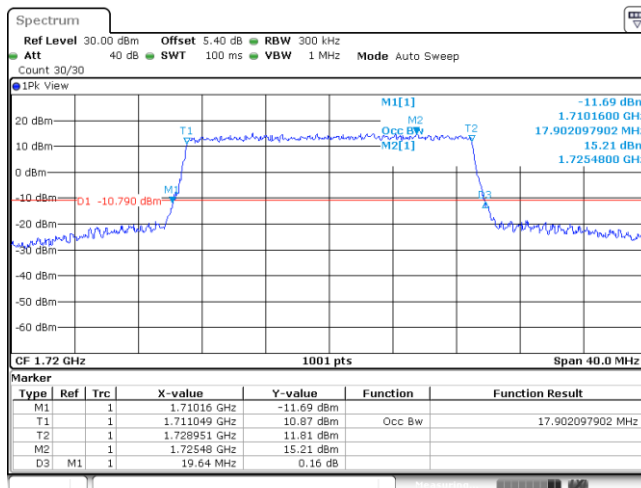
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Date: 4 AUG.2019 03:24:14

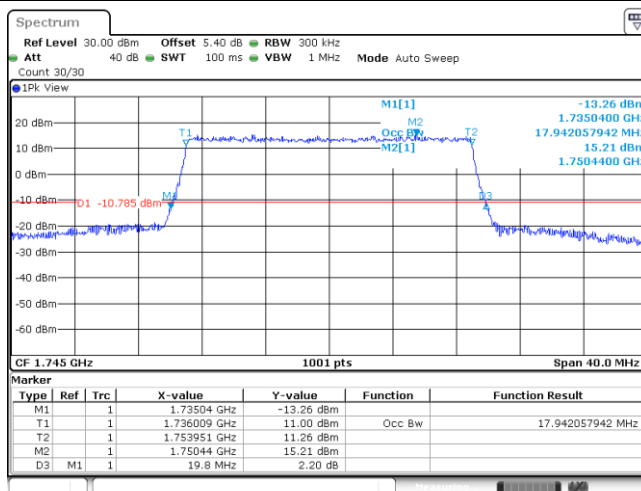
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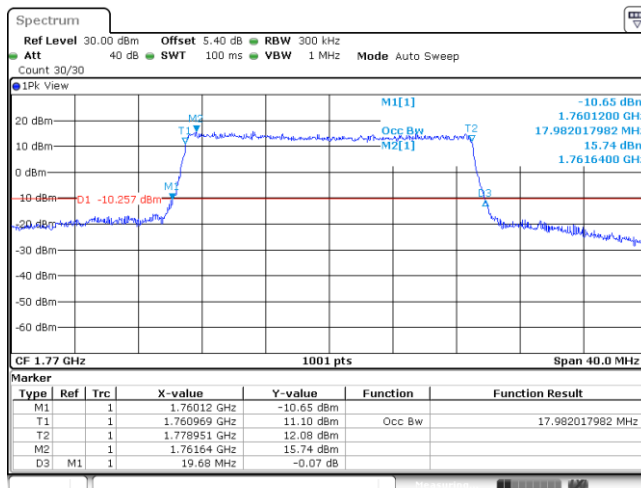
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Date: 4 AUG. 2019 03:24:01

Band66_20MHz_16QAM_132572_100RB#0



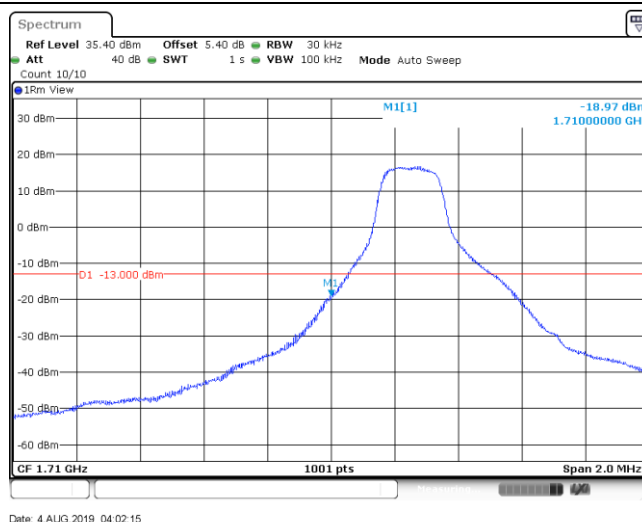
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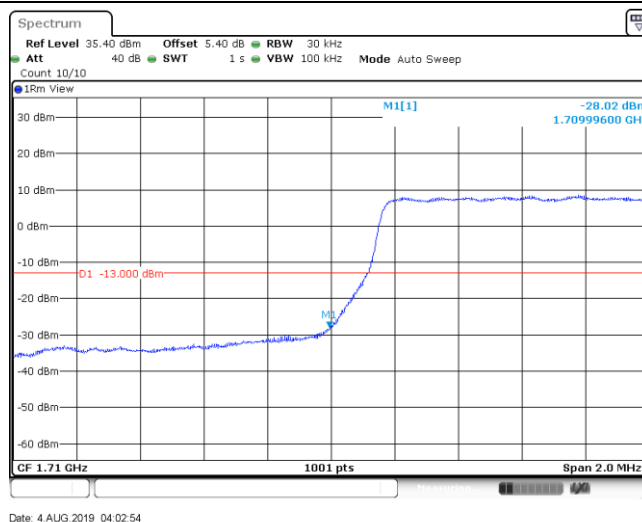
5. Band Edge Compliance

5.1. Test Plots

Band66_1.4MHz_QPSK_131979_1RB#0

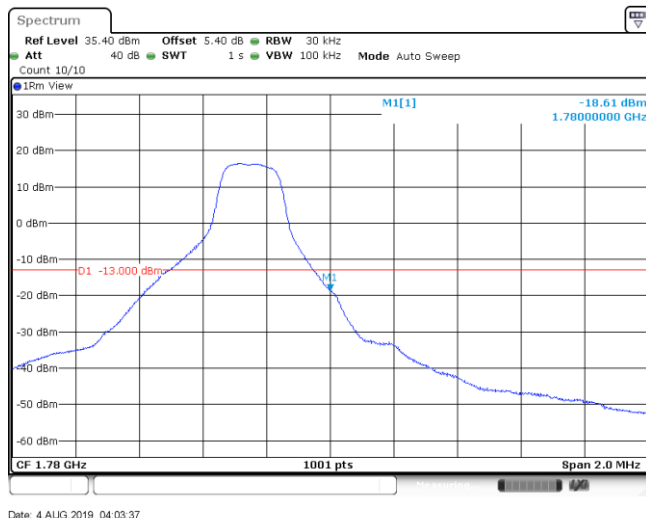


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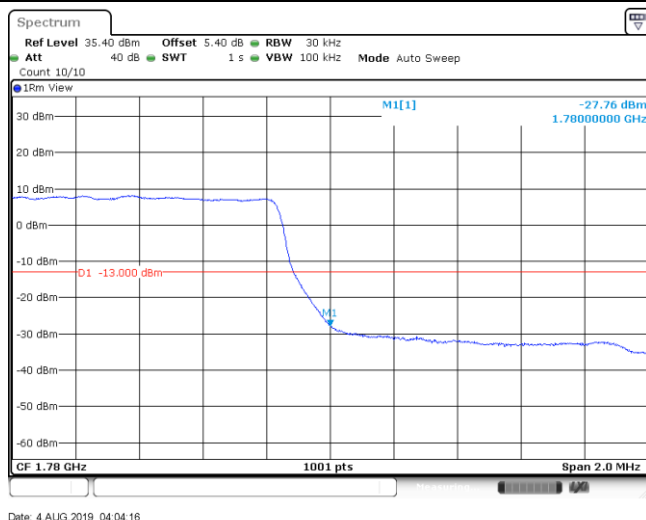


Band66_1.4MHz_QPSK_132665_1RB#5





Band66_1.4MHz_QPSK_132665_6RB#0

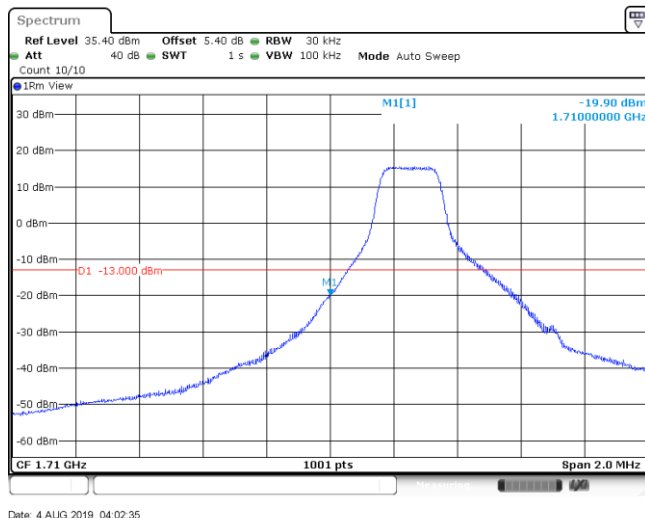


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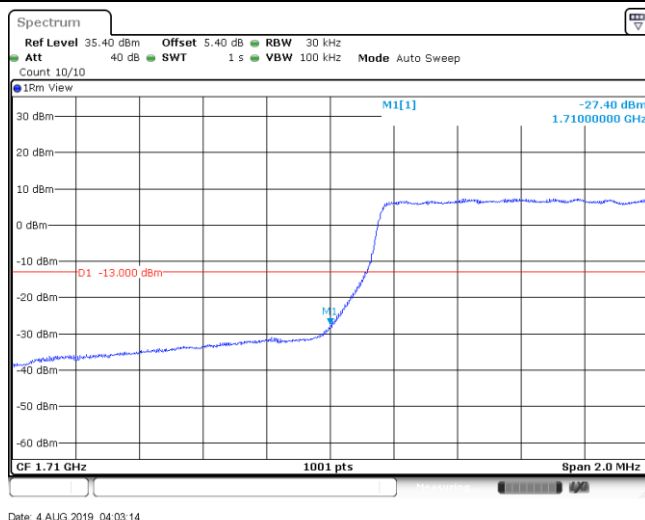


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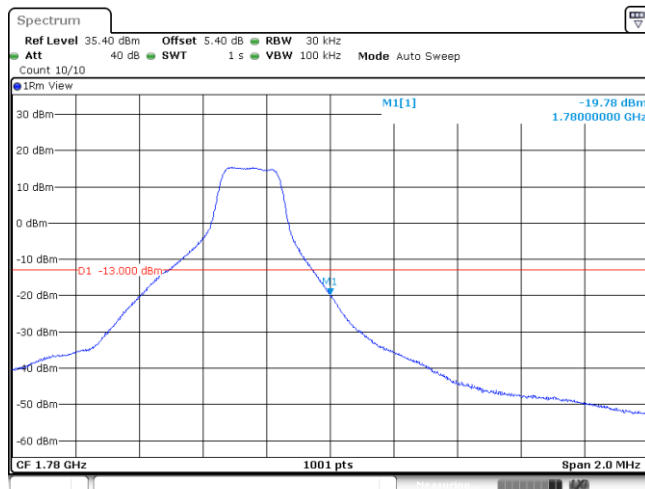


Band66_1.4MHz_16QAM_131979_6RB#0



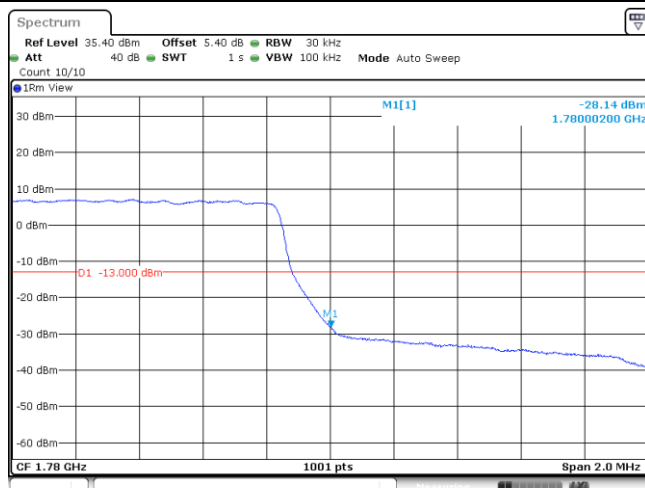
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Date: 4 AUG 2019 04:03:57

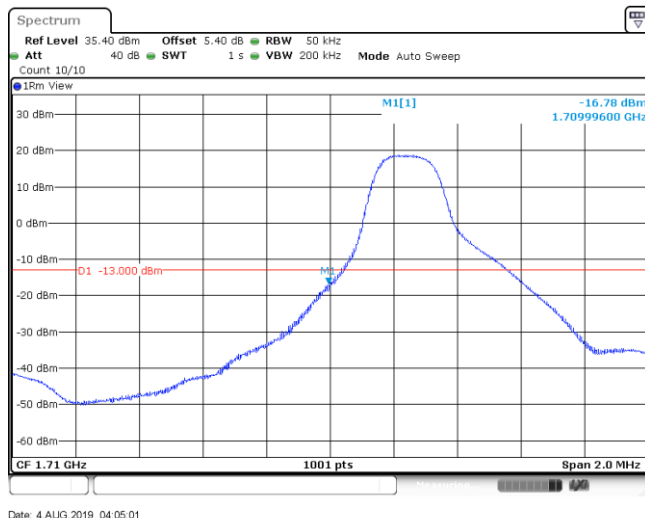
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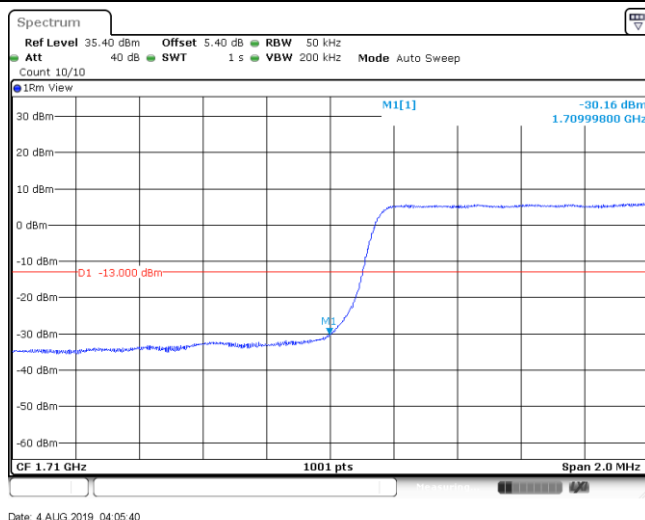
Date: 4 AUG 2019 04:04:36

Band66_3MHz_QPSK_131987_1RB#0



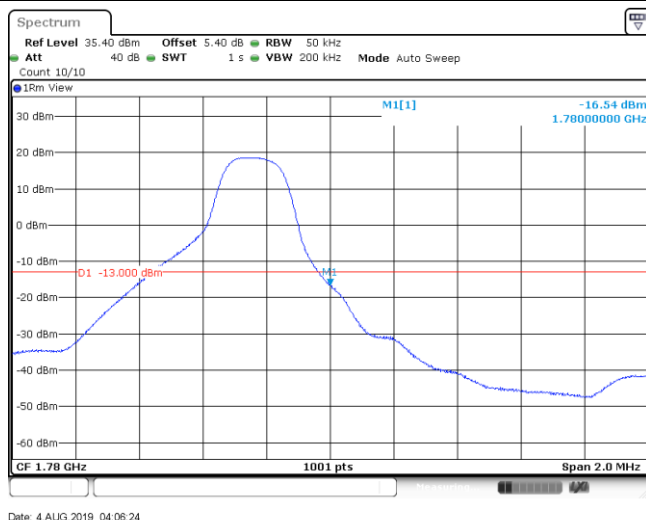


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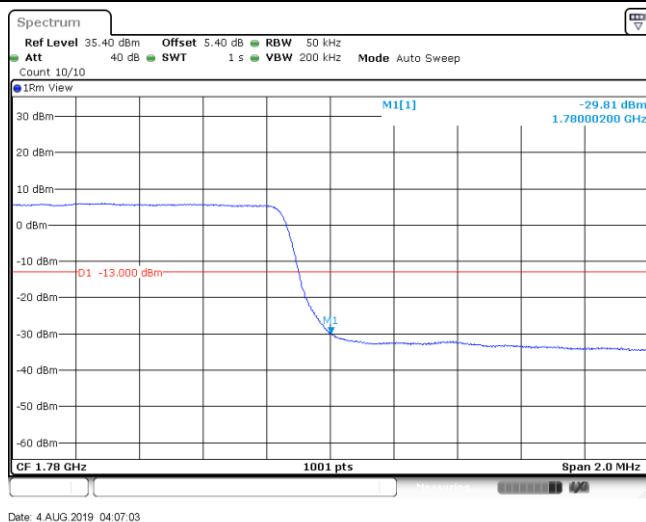


Band66_3MHz_QPSK_132657_1RB#14



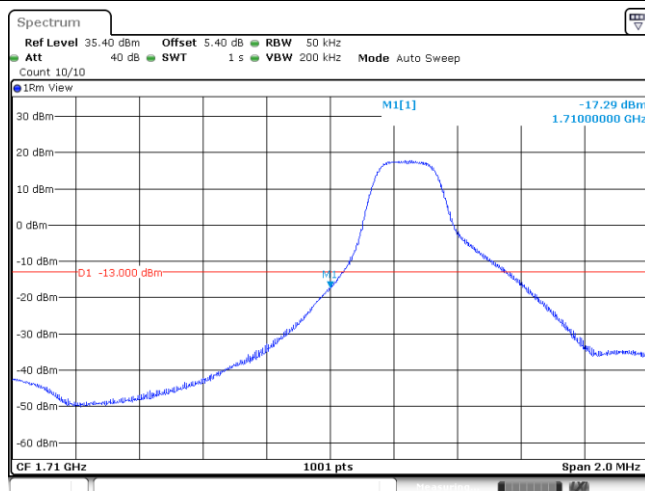


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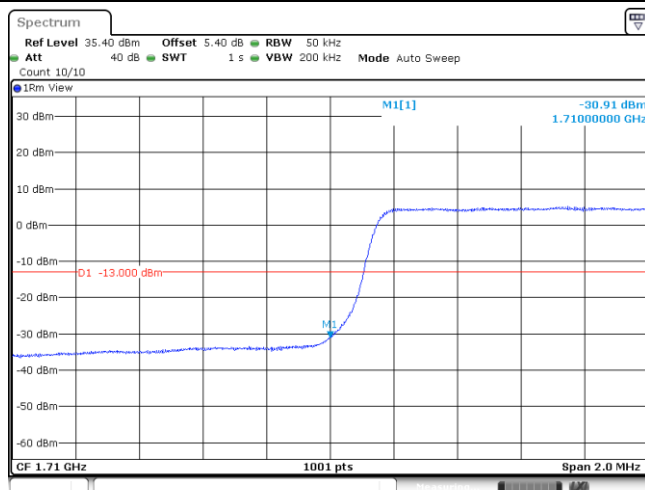
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Date: 4 AUG 2019 04:05:21

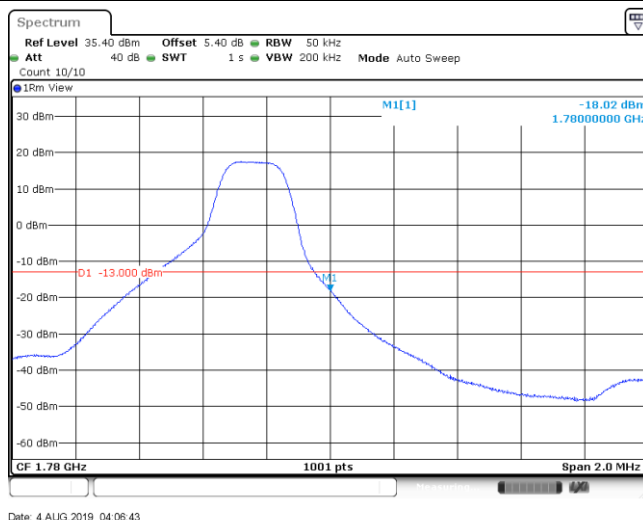
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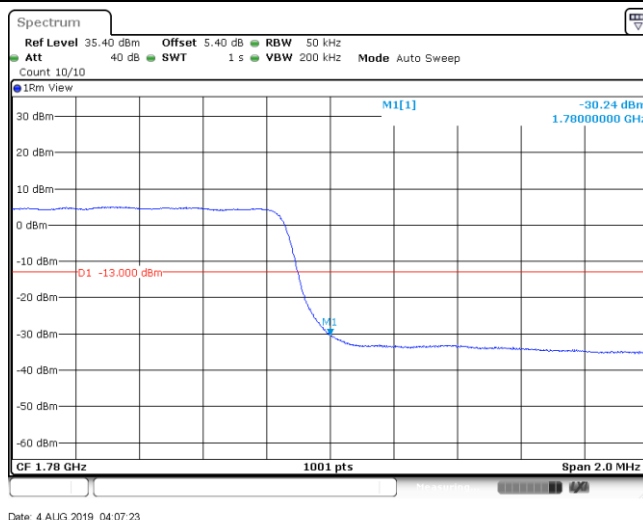
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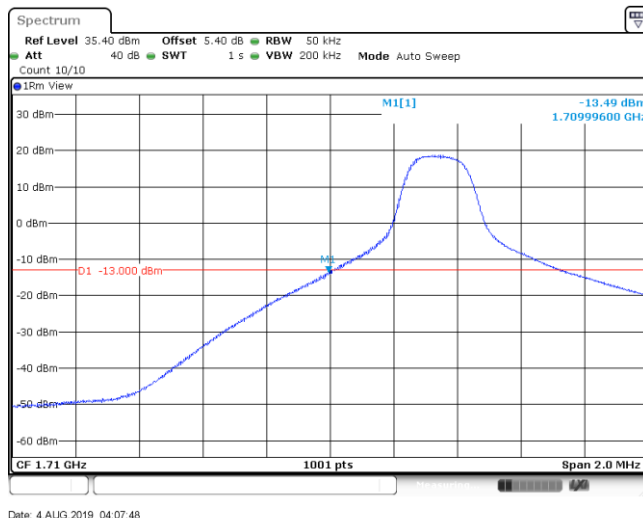


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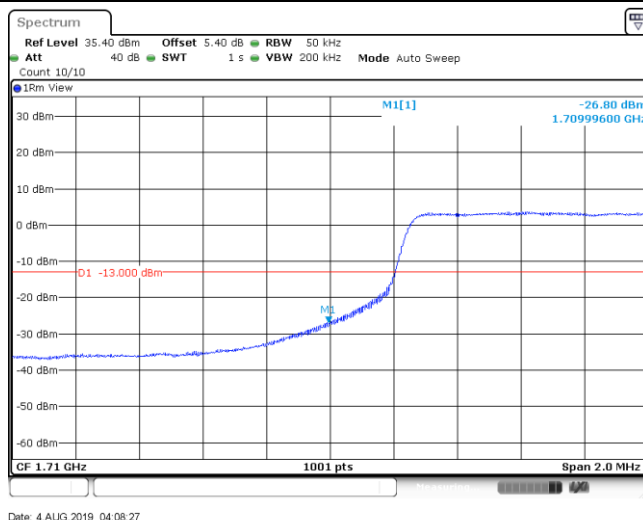


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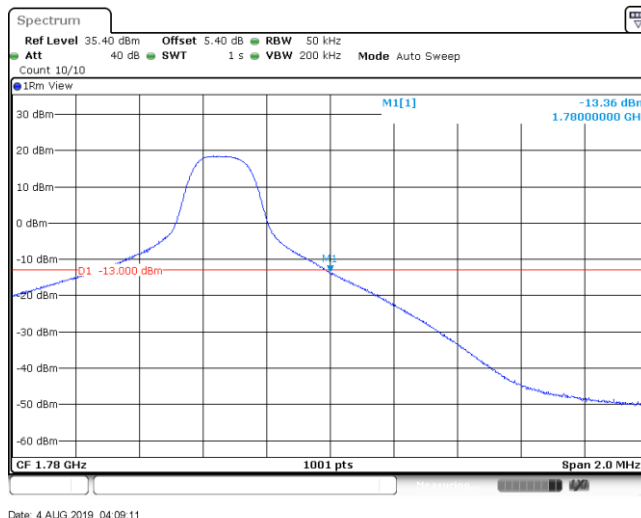


Band66_5MHz_QPSK_131997_25RB#0

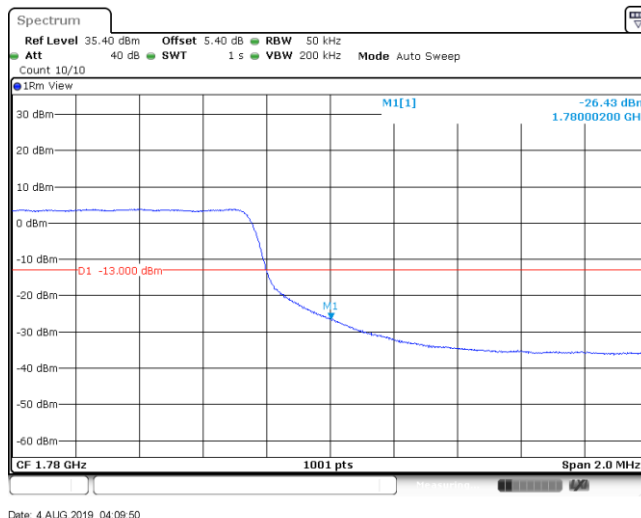


Band66_5MHz_QPSK_132647_1RB#24





Band66_5MHz_QPSK_132647_25RB#0

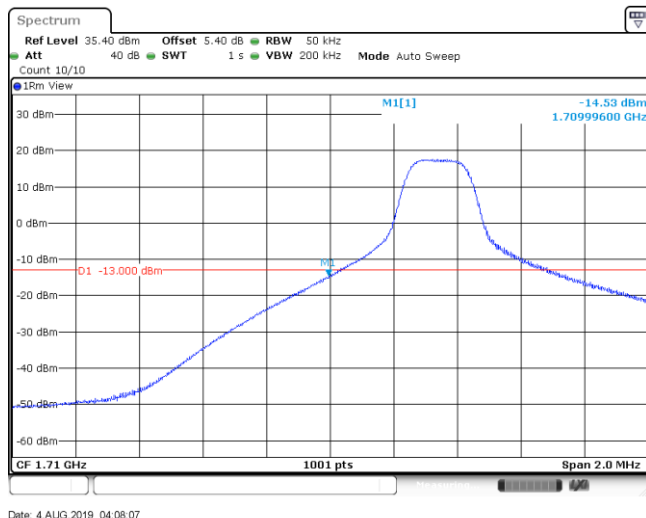


Band66_5MHz_16QAM_131997_1RB#0

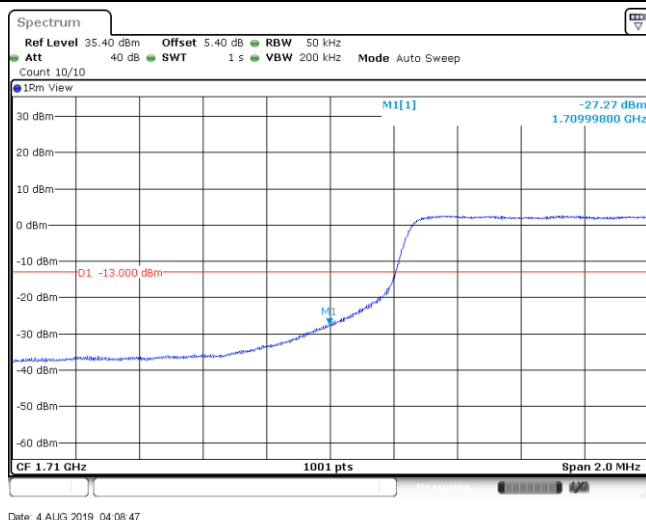


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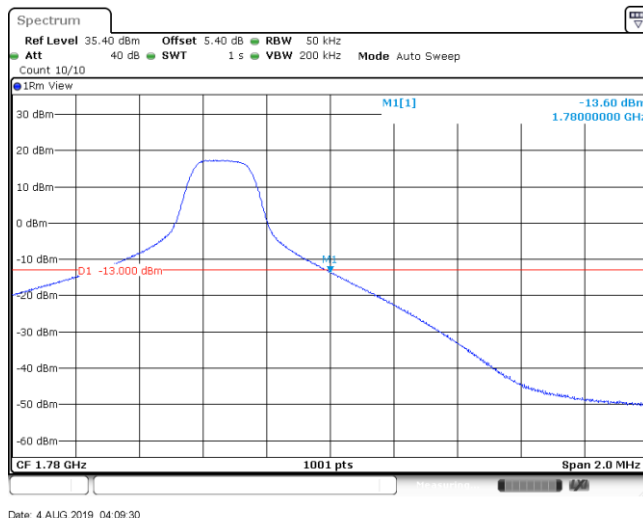


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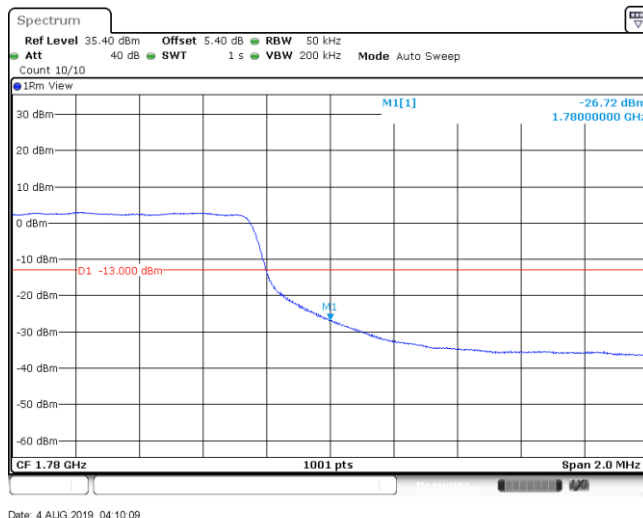


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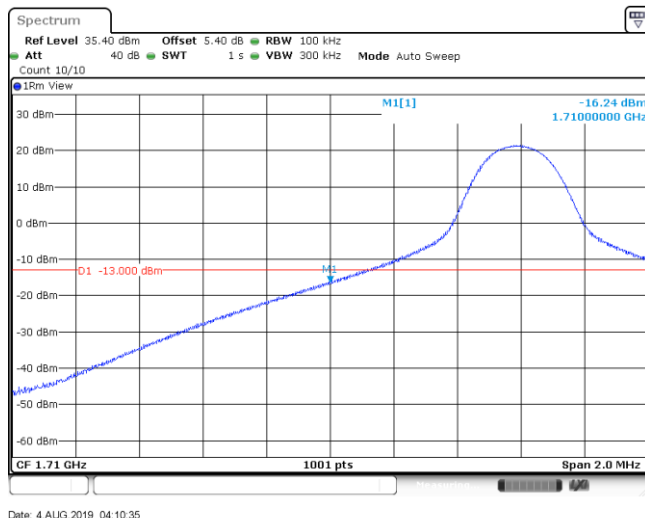


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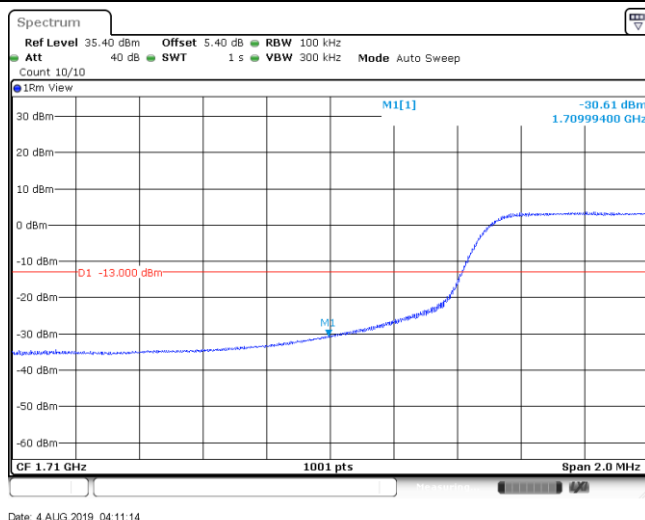


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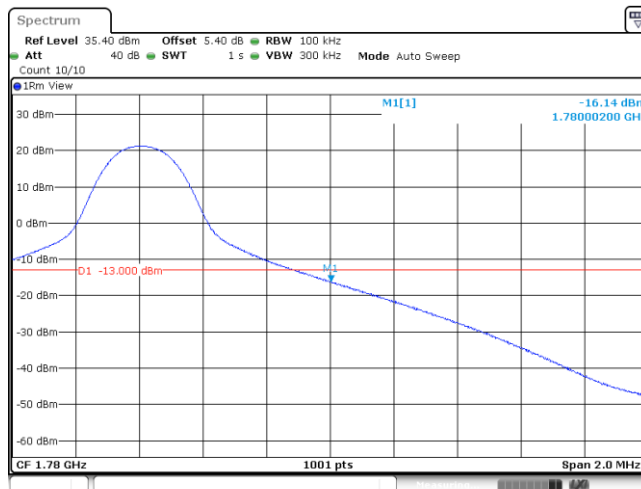


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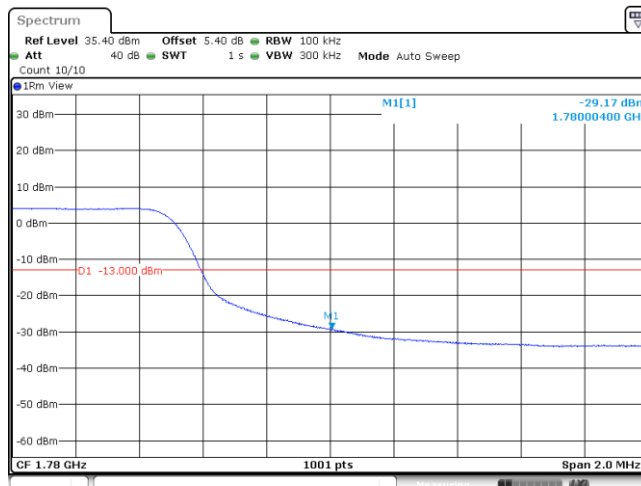
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Date: 4 AUG 2019 04:11:57

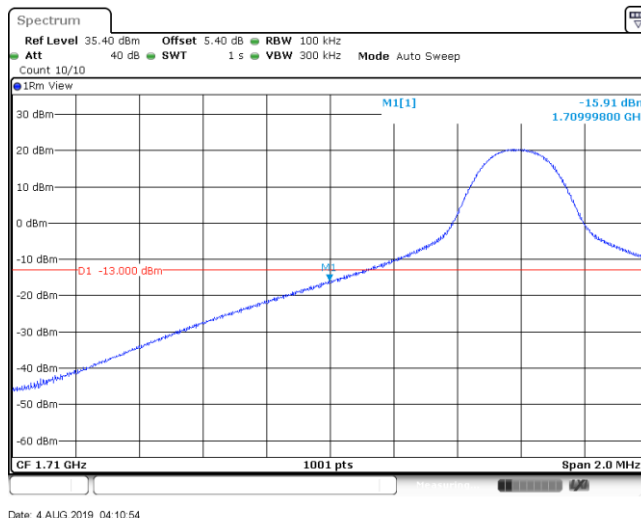
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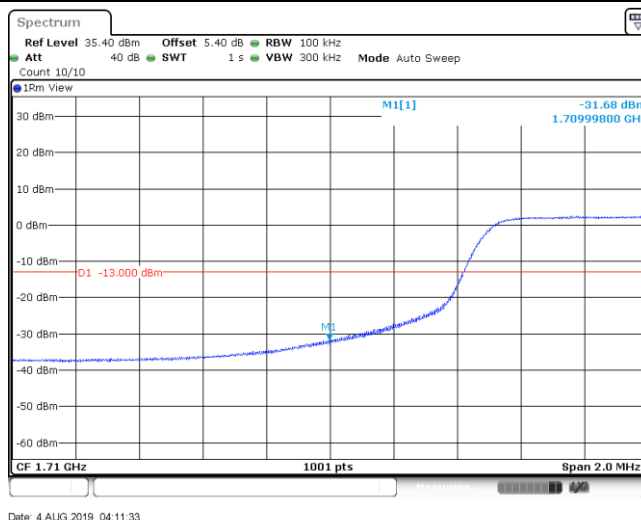
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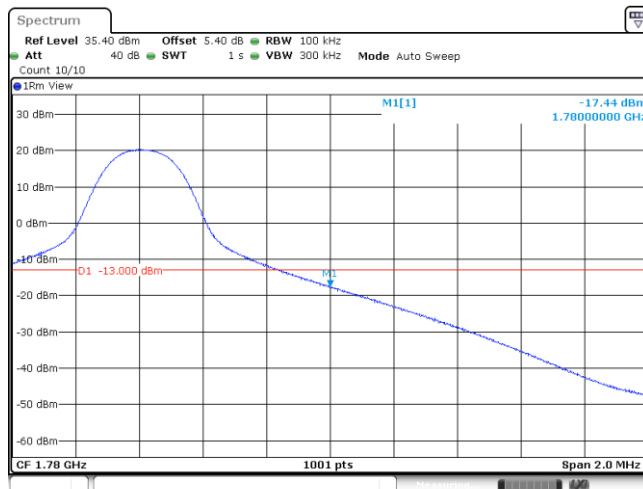


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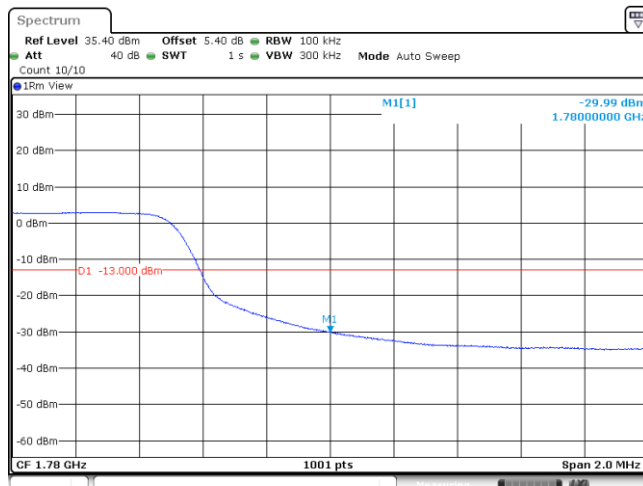
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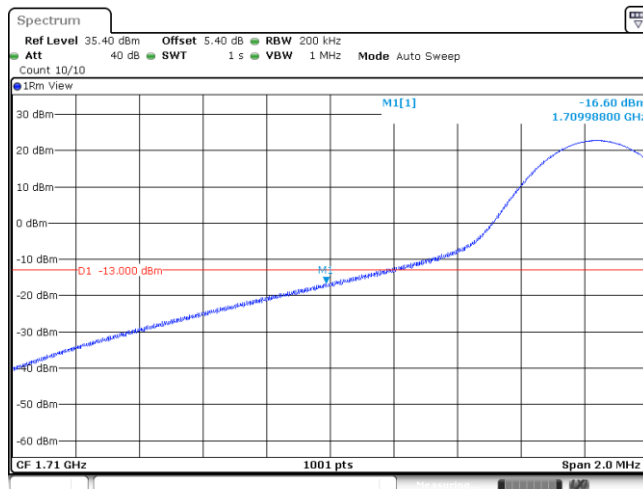
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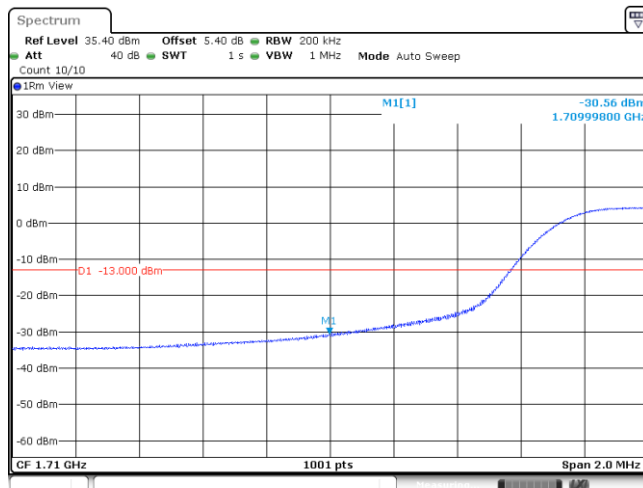
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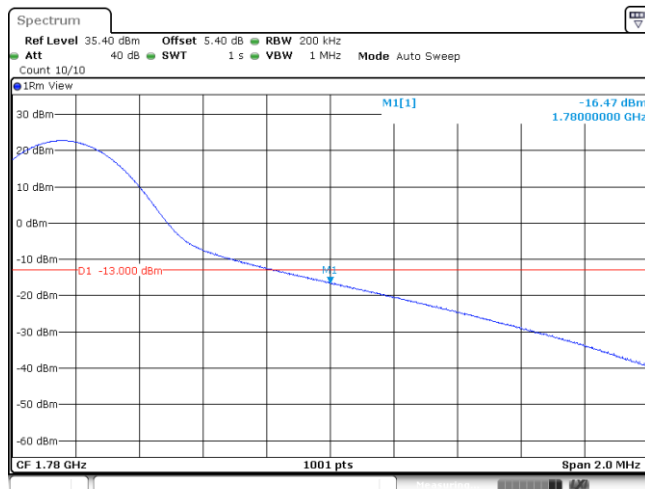
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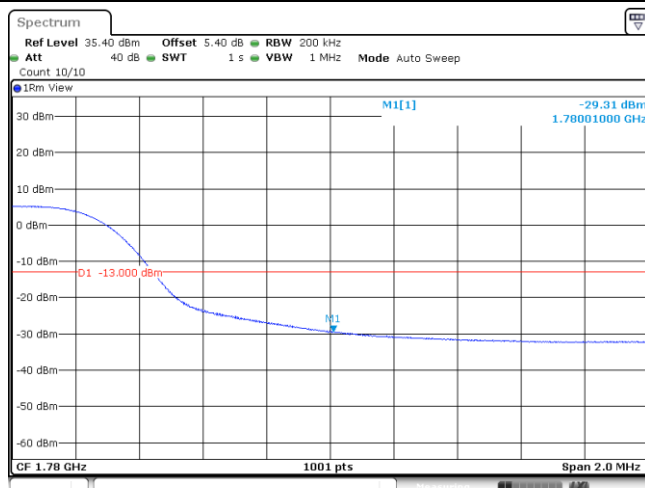
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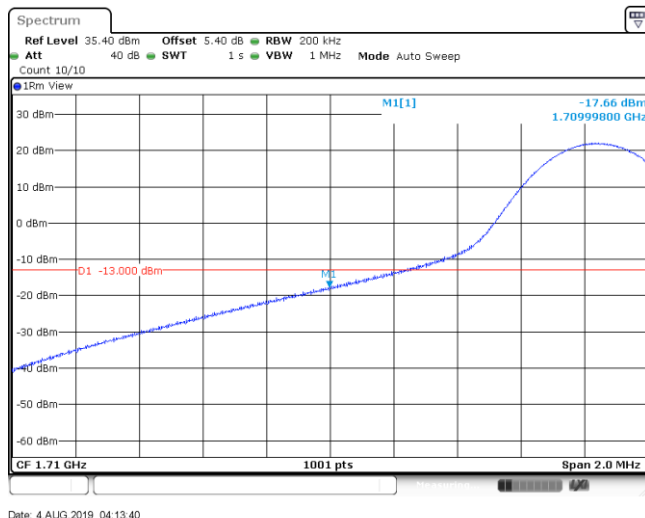
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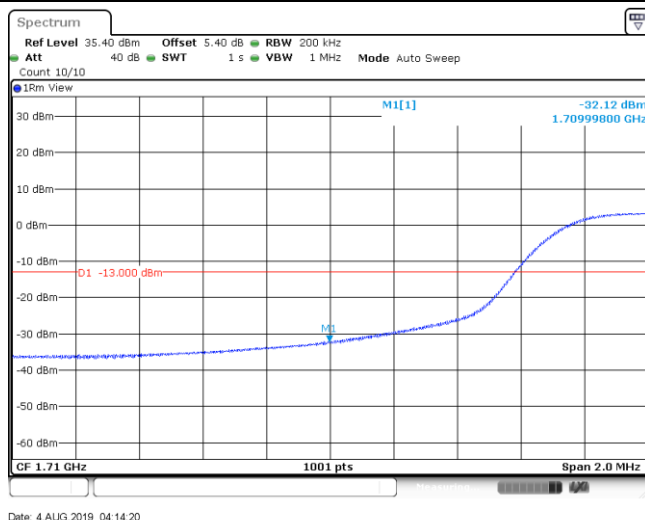
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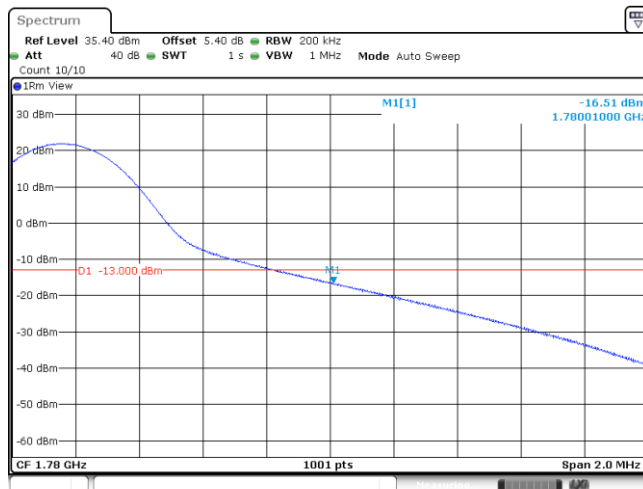


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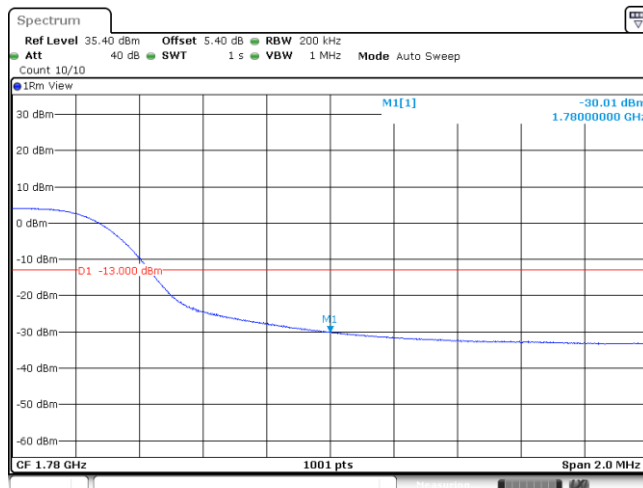
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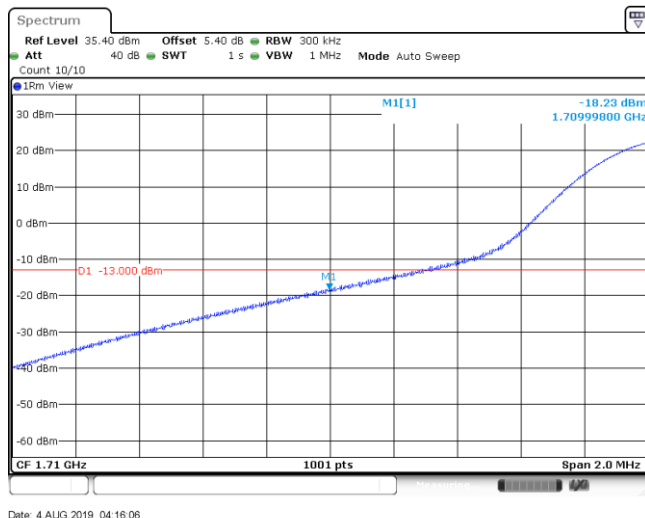
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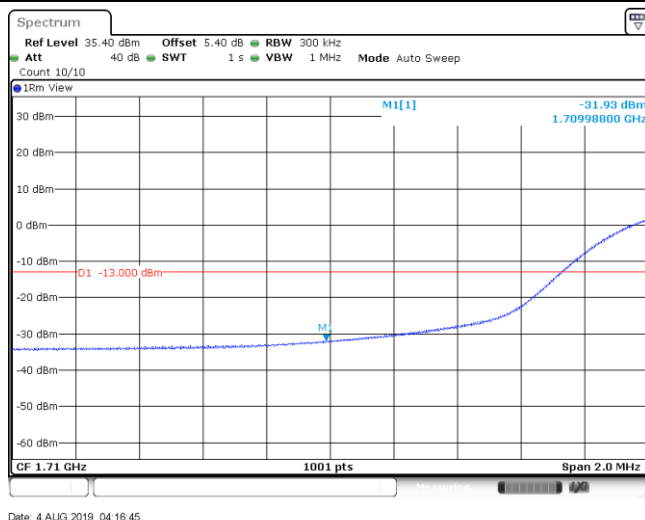
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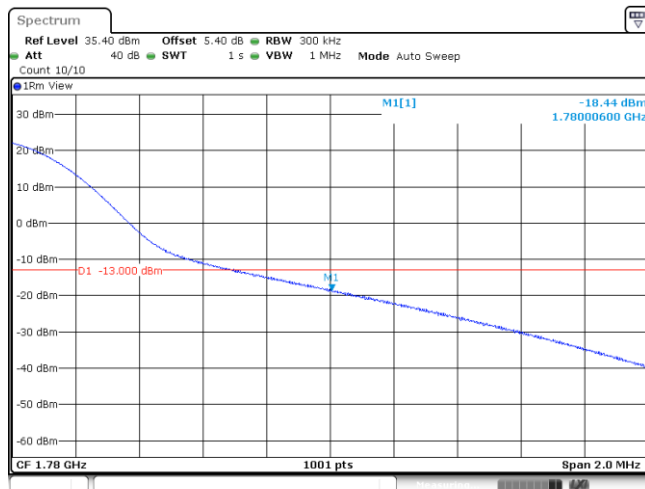


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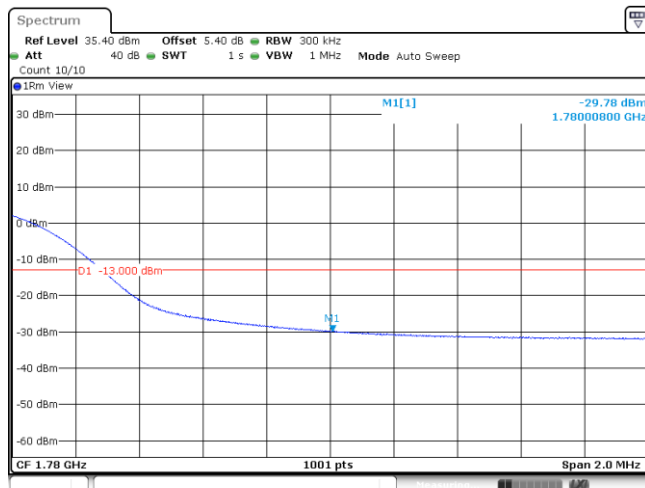
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Date: 4 AUG 2019 04:17:28

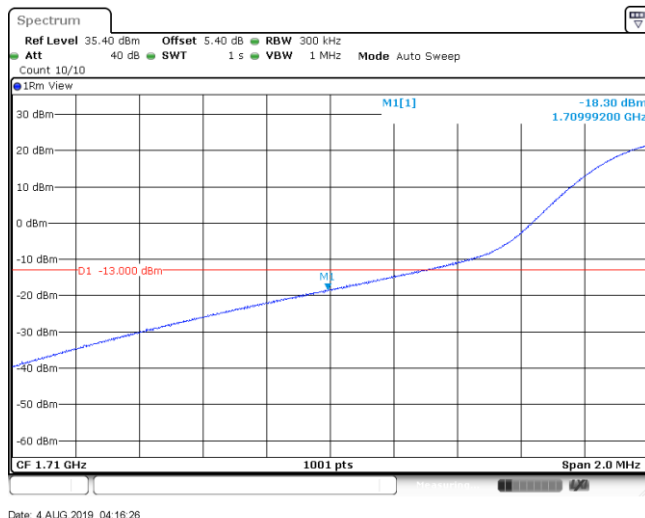
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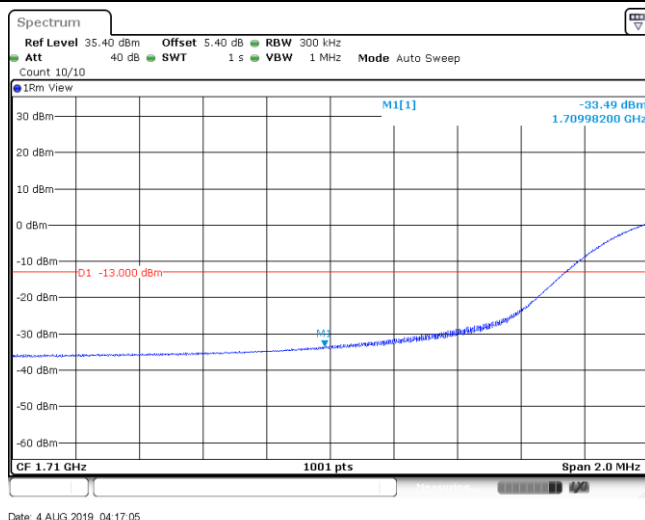
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Band66_20MHz_16QAM_132072_1RB#0



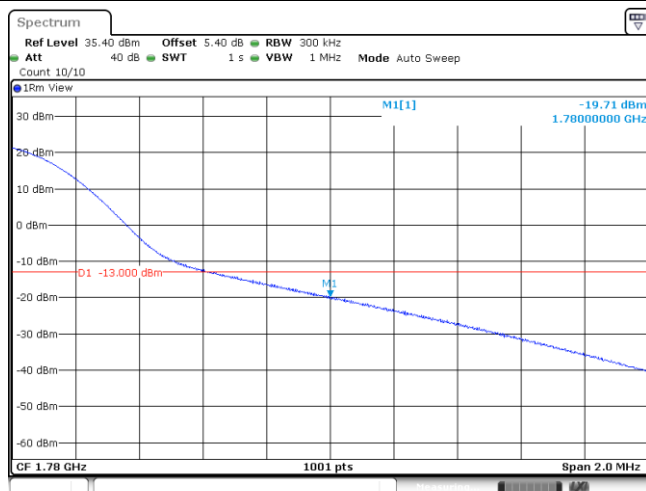


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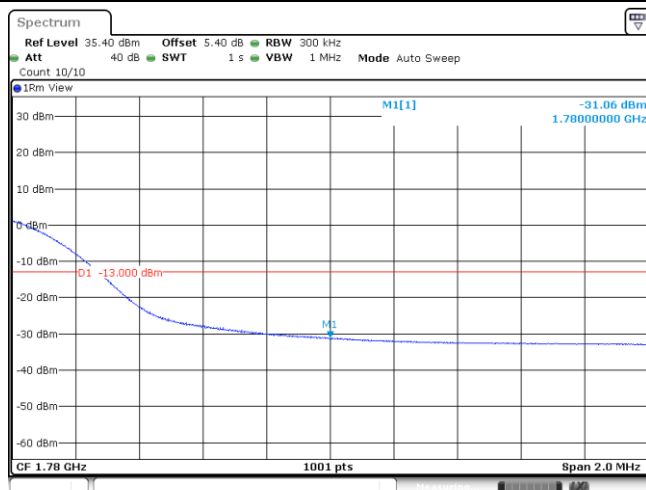
Band66_20MHz_16QAM_132572_1RB#99





Date: 4 AUG 2019 04:17:48

Band66_20MHz_16QAM_132572_100RB#0



Date: 4 AUG 2019 04:18:26



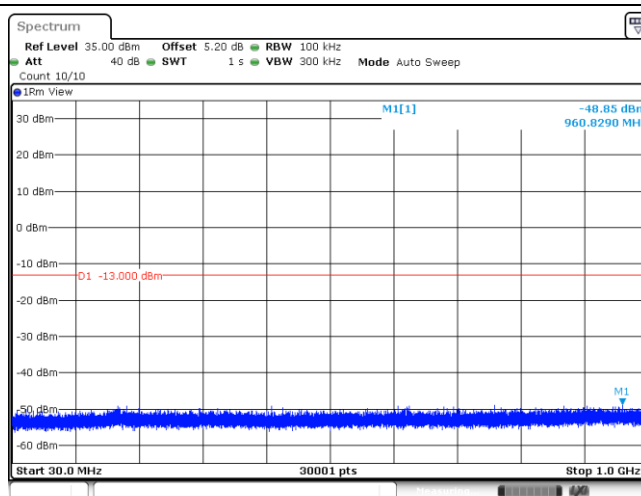
6. Spurious Emission at Antenna Terminal

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.

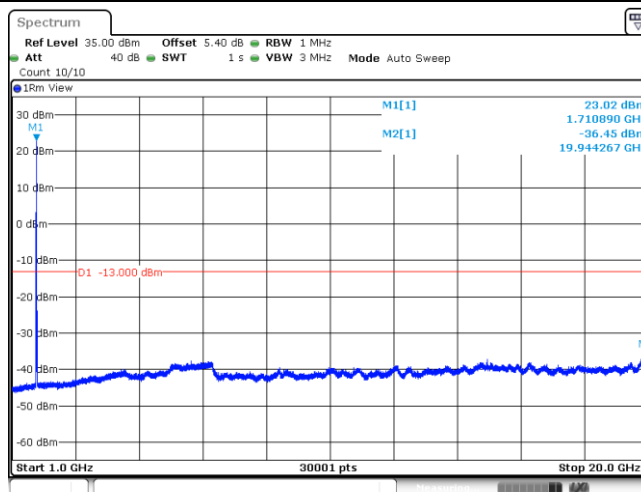
6.1. Test Plots

Band66_20MHz_QPSK_132072_1RB#0



Date: 4 AUG 2019 04:18:49

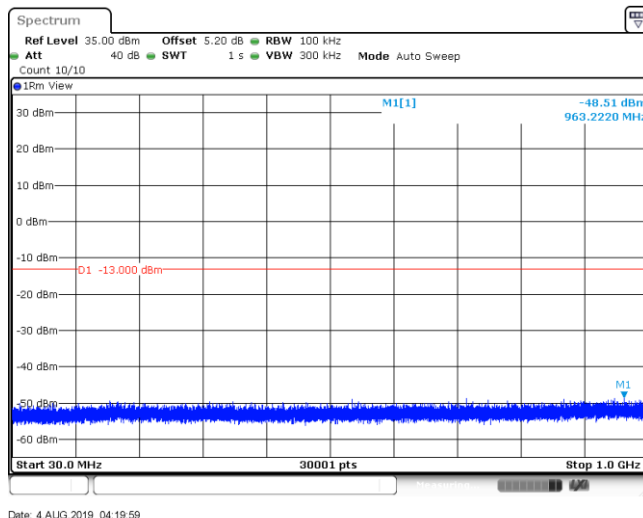
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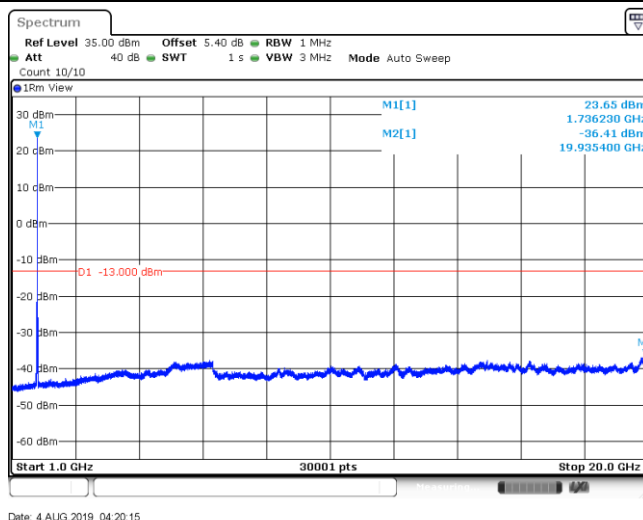
Date: 4 AUG 2019 04:19:05

Band66_20MHz_QPSK_132322_1RB#0



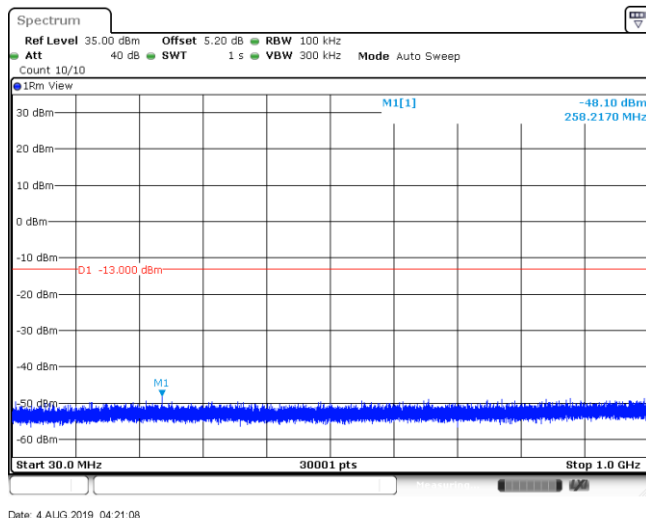


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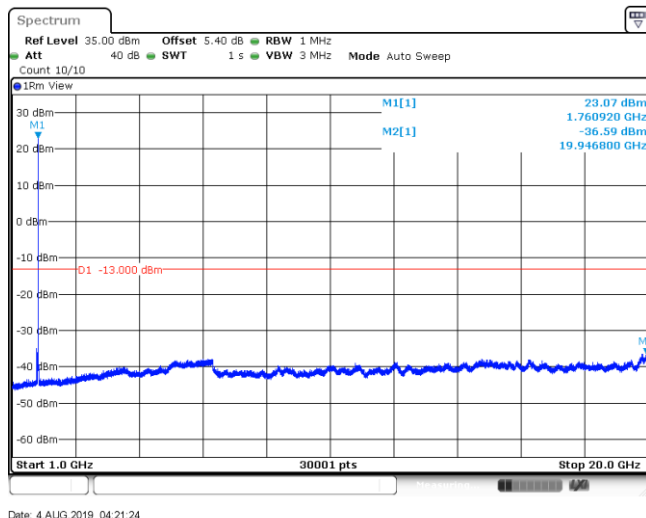


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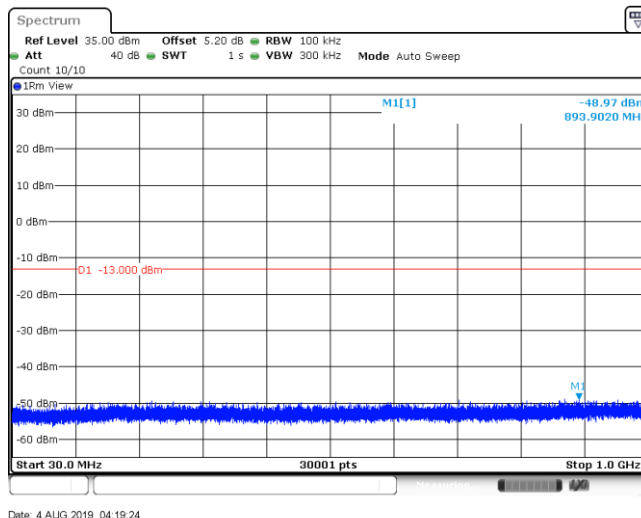


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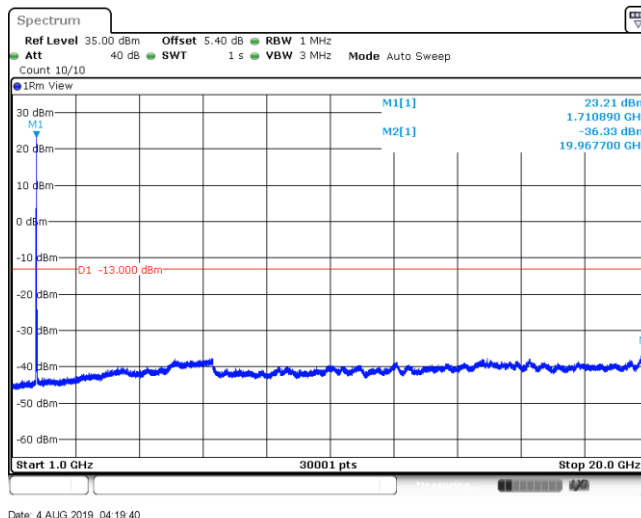


Band66_20MHz_16QAM_132072_1RB#0





Band66_20MHz_16QAM_132072_1RB#0

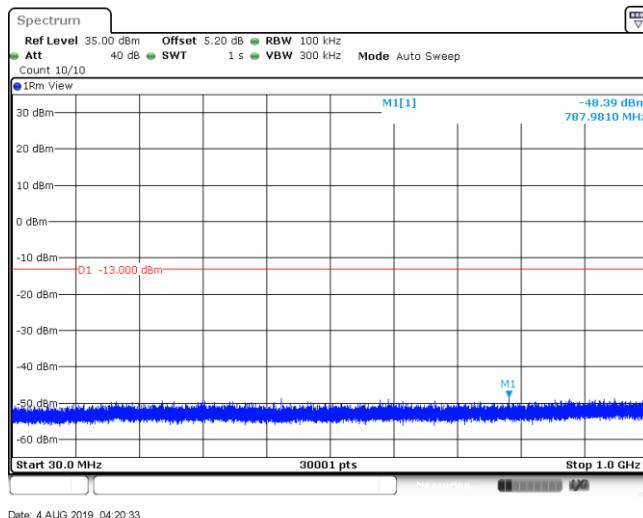


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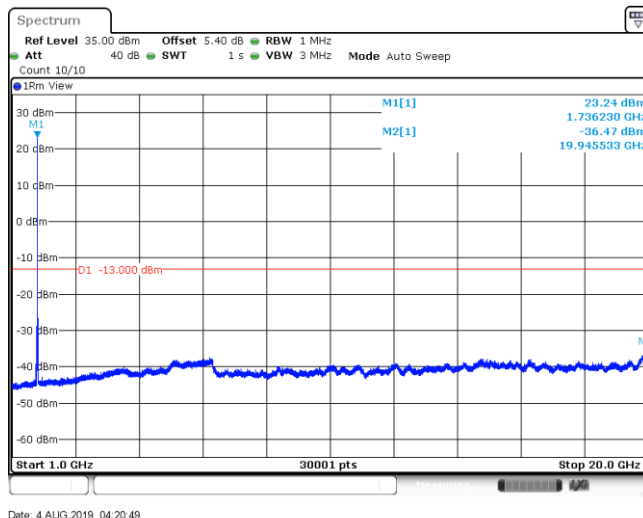


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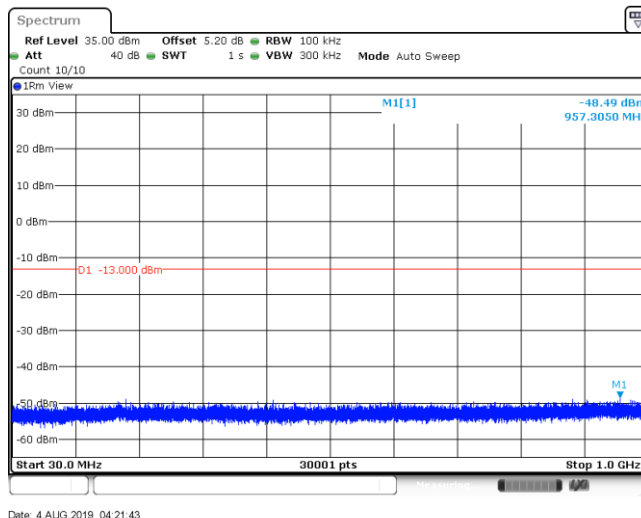


Band66_20MHz_16QAM_132322_1RB#0

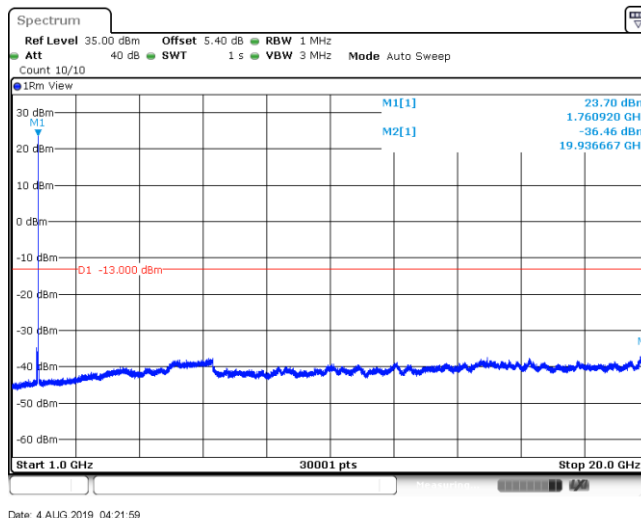


Band66_20MHz_16QAM_132572_1RB#0





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

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
35.5778	-80.09	-13.00	67.09	Vertical
52.5051	-76.46	-13.00	63.46	Vertical
404.6812	-82.61	-13.00	69.61	Vertical
2706.3413	-37.63	-13.00	24.63	Vertical
14645.8882	-41.49	-13.00	28.49	Vertical
17990.4997	-32.26	-13.00	19.26	Vertical
35.5778	-62.15	-13.00	49.15	Horizontal
53.8632	-81.70	-13.00	68.70	Horizontal
412.0051	-80.74	-13.00	67.74	Horizontal
2701.9404	-36.57	-13.00	23.57	Horizontal
16385.9462	-37.79	-13.00	24.79	Horizontal
17980.4994	-37.10	-13.00	24.10	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
35.5293	-84.03	-13.00	71.03	Vertical
52.9902	-78.02	-13.00	65.02	Vertical
108.9134	-82.77	-13.00	69.77	Vertical
2699.1398	-37.57	-13.00	24.57	Vertical
14731.3910	-41.97	-13.00	28.97	Vertical
17995.9999	-32.52	-13.00	19.52	Vertical
35.5778	-63.27	-13.00	50.27	Horizontal
52.9902	-82.10	-13.00	69.10	Horizontal
406.8638	-81.74	-13.00	68.74	Horizontal
2700.7401	-36.45	-13.00	23.45	Horizontal
16386.4462	-37.98	-13.00	24.98	Horizontal
17996.4999	-37.32	-13.00	24.32	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.4566	-75.79	-13.00	62.79	Vertical
109.6895	-81.74	-13.00	68.74	Vertical
856.1903	-81.61	-13.00	68.61	Vertical
2691.5383	-37.90	-13.00	24.90	Vertical
14502.8834	-42.40	-13.00	29.40	Vertical
17965.9989	-32.61	-13.00	19.61	Vertical
35.5293	-69.90	-13.00	56.90	Horizontal
52.5051	-80.07	-13.00	67.07	Horizontal
407.9309	-80.93	-13.00	67.93	Horizontal
2699.1398	-36.42	-13.00	23.42	Horizontal
16396.4465	-37.85	-13.00	24.85	Horizontal
17985.4995	-37.54	-13.00	24.54	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.



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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	-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

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



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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
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



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