



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	23.05	24.45	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.31	24.71	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.41	23.81	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.22	24.62	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.16	24.56	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.96	24.36	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.08	23.48	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.87	24.27	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.28	24.68	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.69	25.09	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.47	24.87	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.46	24.86	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.25	24.65	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.16	23.56	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.26	23.66	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.02	23.42	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	21.98	23.38	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	21.94	23.34	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.59	23.99	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.20	23.60	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	20.92	22.32	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.58	23.98	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.83	23.23	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.34	23.74	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.36	23.76	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.42	23.82	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.17	23.57	30	PASS



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Band66	1.4MHz	16QAM	131979	6RB#0	21.04	22.44	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.91	23.31	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.46	23.86	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.67	24.07	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.32	23.72	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.50	23.90	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.42	23.82	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.30	22.70	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.57	22.97	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.25	22.65	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.22	22.62	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.73	23.13	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.33	22.73	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.08	22.48	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	19.92	21.32	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	21.69	23.09	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.96	24.36	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.40	24.80	30	PASS
Band66	3MHz	QPSK	131987	8RB#7	23.36	24.76	30	PASS
Band66	3MHz	QPSK	131987	8RB#4	23.26	24.66	30	PASS
Band66	3MHz	QPSK	131987	8RB#0	23.31	24.71	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.03	23.43	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.37	23.77	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.81	25.21	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.07	24.47	30	PASS
Band66	3MHz	QPSK	132322	8RB#7	23.92	25.32	30	PASS
Band66	3MHz	QPSK	132322	8RB#0	23.63	25.03	30	PASS
Band66	3MHz	QPSK	132322	8RB#4	23.68	25.08	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.27	23.67	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.01	23.41	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.36	23.76	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	20.68	22.08	30	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.10	23.50	30	PASS



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Band66	3MHz	QPSK	132657	8RB#0	22.00	23.40	30	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.14	23.54	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	20.91	22.31	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.71	24.11	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.08	22.48	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.19	23.59	30	PASS
Band66	3MHz	16QAM	131987	8RB#0	22.33	23.73	30	PASS
Band66	3MHz	16QAM	131987	8RB#7	22.52	23.92	30	PASS
Band66	3MHz	16QAM	131987	8RB#4	22.40	23.80	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.03	22.43	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.77	24.17	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.43	22.83	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.34	23.74	30	PASS
Band66	3MHz	16QAM	132322	8RB#4	22.51	23.91	30	PASS
Band66	3MHz	16QAM	132322	8RB#0	22.43	23.83	30	PASS
Band66	3MHz	16QAM	132322	8RB#7	22.75	24.15	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.18	22.58	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.34	22.74	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	19.91	21.31	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.57	22.97	30	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.14	22.54	30	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.22	22.62	30	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.31	22.71	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.72	22.12	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.17	23.57	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.82	24.22	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.89	24.29	30	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.77	24.17	30	PASS
Band66	5MHz	QPSK	131997	12RB#0	23.06	24.46	30	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.95	24.35	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.84	23.24	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.47	23.87	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.88	24.28	30	PASS



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Band66	5MHz	QPSK	132322	1RB#12	23.24	24.64	30	PASS
Band66	5MHz	QPSK	132322	12RB#6	23.44	24.84	30	PASS
Band66	5MHz	QPSK	132322	12RB#0	23.36	24.76	30	PASS
Band66	5MHz	QPSK	132322	12RB#13	23.83	25.23	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.17	23.57	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	20.54	21.94	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	21.73	23.13	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.32	23.72	30	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.76	23.16	30	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.88	23.28	30	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.99	23.39	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	20.72	22.12	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.23	23.63	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.17	23.57	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.62	23.02	30	PASS
Band66	5MHz	16QAM	131997	12RB#13	22.04	23.44	30	PASS
Band66	5MHz	16QAM	131997	12RB#0	22.15	23.55	30	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.91	23.31	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.85	22.25	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.11	23.51	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.26	23.66	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.50	22.90	30	PASS
Band66	5MHz	16QAM	132322	12RB#0	22.09	23.49	30	PASS
Band66	5MHz	16QAM	132322	12RB#13	22.67	24.07	30	PASS
Band66	5MHz	16QAM	132322	12RB#6	22.24	23.64	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.23	22.63	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	19.95	21.35	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.49	22.89	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	20.93	22.33	30	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.85	22.25	30	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.96	22.36	30	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.06	22.46	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.56	21.96	30	PASS



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Band66	10MHz	QPSK	132022	1RB#0	22.89	24.29	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.73	24.13	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	21.85	23.25	30	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.82	24.22	30	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.92	24.32	30	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.41	23.81	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.90	23.30	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.87	24.27	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.02	23.42	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.48	24.88	30	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.47	23.87	30	PASS
Band66	10MHz	QPSK	132322	25RB#12	23.52	24.92	30	PASS
Band66	10MHz	QPSK	132322	25RB#25	24.19	25.59	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.27	23.67	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	21.65	23.05	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	21.94	23.34	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	20.54	21.94	30	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.87	23.27	30	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.84	23.24	30	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.71	23.11	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	20.71	22.11	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.03	23.43	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.24	22.64	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.18	23.58	30	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.98	23.38	30	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.91	23.31	30	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.49	22.89	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.74	23.14	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.13	23.53	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.14	22.54	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.58	23.98	30	PASS
Band66	10MHz	16QAM	132322	25RB#25	23.12	24.52	30	PASS
Band66	10MHz	16QAM	132322	25RB#12	22.39	23.79	30	PASS



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Band66	10MHz	16QAM	132322	25RB#0	21.46	22.86	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.83	23.23	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	20.82	22.22	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.19	22.59	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	20.79	22.19	30	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.89	22.29	30	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.79	22.19	30	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.94	22.34	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.39	21.79	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	21.68	23.08	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.14	24.54	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.61	24.01	30	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.48	23.88	30	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.28	23.68	30	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.67	24.07	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.88	23.28	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.99	24.39	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.35	24.75	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.02	23.42	30	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.57	23.97	30	PASS
Band66	15MHz	QPSK	132322	36RB#39	24.53	25.93	30	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.93	24.33	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.18	23.58	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	21.84	23.24	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	21.50	22.90	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.06	23.46	30	PASS
Band66	15MHz	QPSK	132597	36RB#18	21.60	23.00	30	PASS
Band66	15MHz	QPSK	132597	36RB#0	21.70	23.10	30	PASS
Band66	15MHz	QPSK	132597	36RB#39	21.75	23.15	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	20.68	22.08	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.37	23.77	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.02	22.42	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.84	23.24	30	PASS



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Band66	15MHz	16QAM	132047	36RB#0	21.73	23.13	30	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.53	22.93	30	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.38	22.78	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	22.38	23.78	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.60	24.00	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.31	23.71	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	20.99	22.39	30	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.98	23.38	30	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.57	22.97	30	PASS
Band66	15MHz	16QAM	132322	36RB#39	23.67	25.07	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	22.24	23.64	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.11	22.51	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.40	22.80	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	20.72	22.12	30	PASS
Band66	15MHz	16QAM	132597	36RB#0	20.84	22.24	30	PASS
Band66	15MHz	16QAM	132597	36RB#39	20.82	22.22	30	PASS
Band66	15MHz	16QAM	132597	36RB#18	20.67	22.07	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.38	22.78	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	21.29	22.69	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.68	24.08	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.79	24.19	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.57	23.97	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.55	23.95	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.08	23.48	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.48	22.88	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.30	23.70	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.27	23.67	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.53	24.93	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	25.21	26.61	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	23.41	24.81	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	24.89	26.29	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.91	23.31	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.92	24.32	30	PASS



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Band66	20MHz	QPSK	132572	1RB#49	21.67	23.07	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	21.92	23.32	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.92	23.32	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.38	23.78	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.92	23.32	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	20.68	22.08	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.10	23.50	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.84	23.24	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	20.66	22.06	30	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.99	23.39	30	PASS
Band66	20MHz	16QAM	132072	50RB#0	22.07	23.47	30	PASS
Band66	20MHz	16QAM	132072	50RB#25	22.08	23.48	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	22.09	23.49	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.31	22.71	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.77	24.17	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.67	23.07	30	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.70	23.10	30	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.65	23.05	30	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.65	23.05	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.70	23.10	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.28	23.68	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.25	22.65	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	20.89	22.29	30	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.80	23.20	30	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.72	23.12	30	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.64	23.04	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.78	23.18	30	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

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



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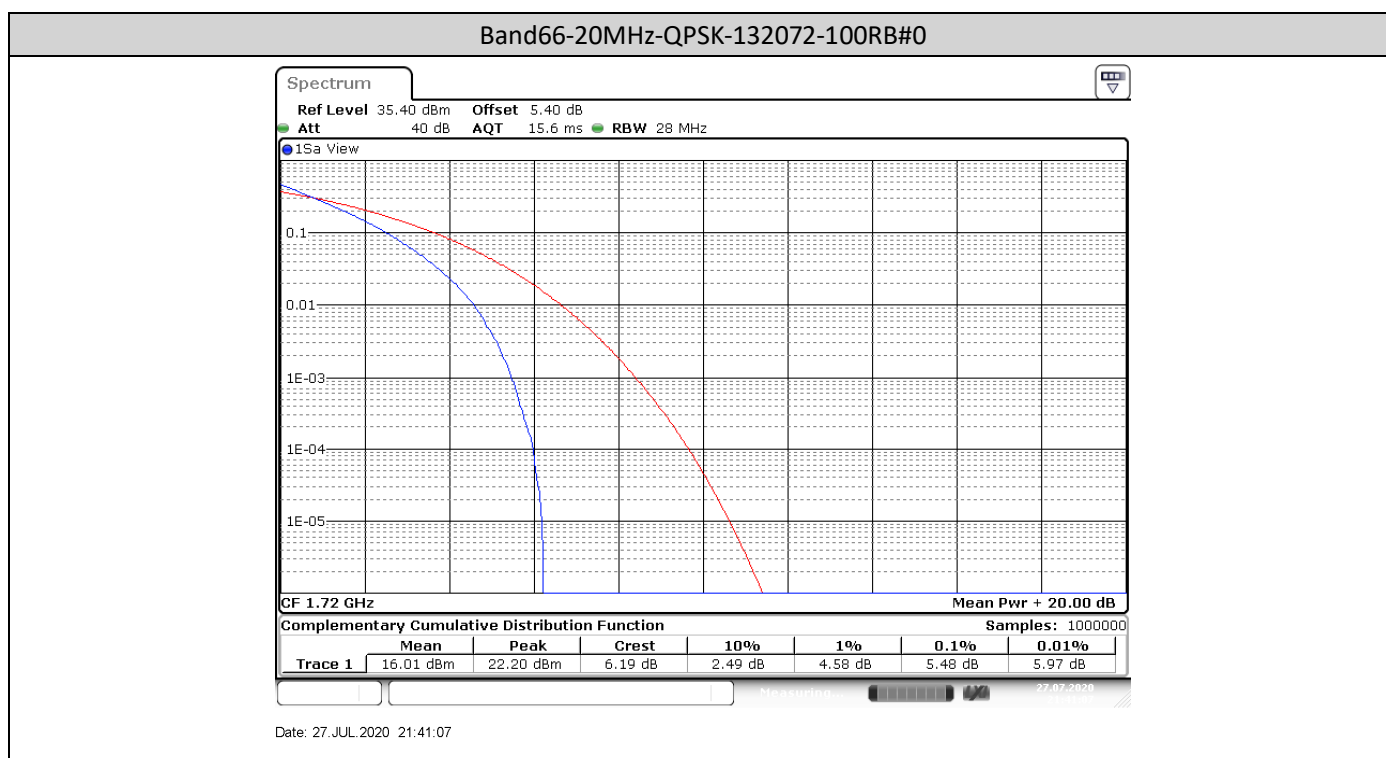


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

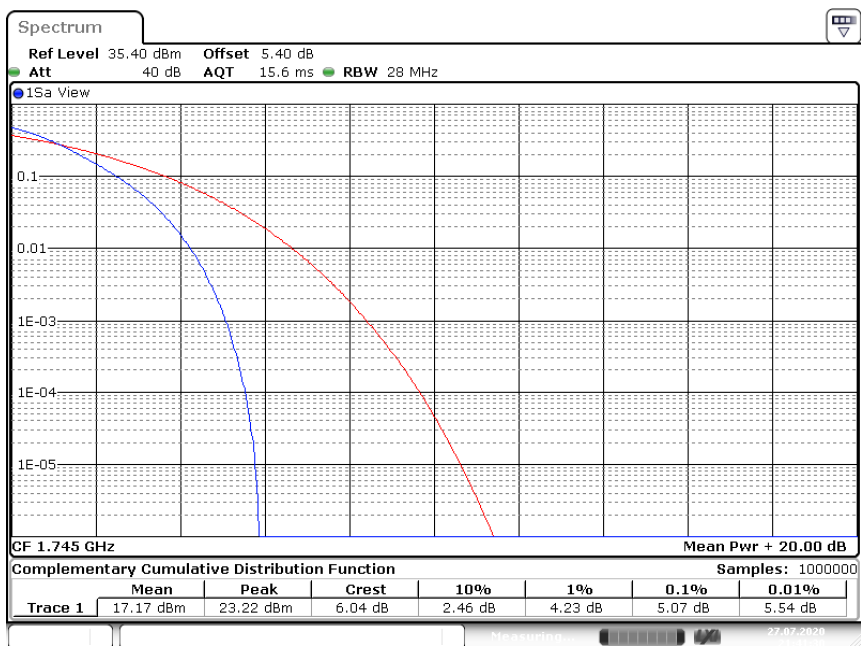
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.48	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.10	13	PASS
Band66	20MHz	16QAM	132072	32RB#0	5.39	13	PASS
Band66	20MHz	16QAM	132322	32RB#0	5.94	13	PASS
Band66	20MHz	16QAM	132572	32RB#0	5.42	13	PASS

2.2. Test Plots



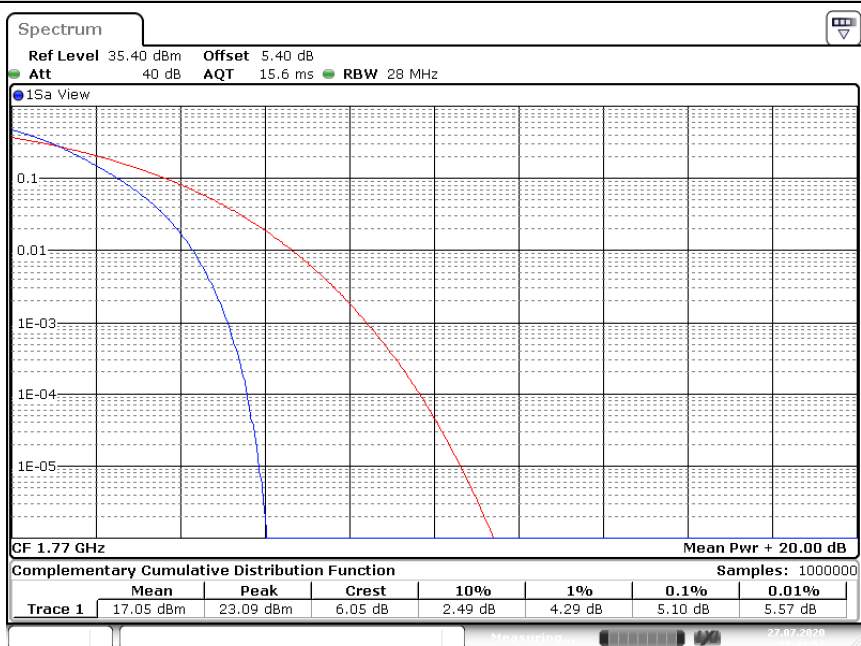


Band66-20MHz-QPSK-132322-100RB#0



Date: 27.JUL.2020 21:41:30

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



Date: 27.JUL.2020 21:41:53



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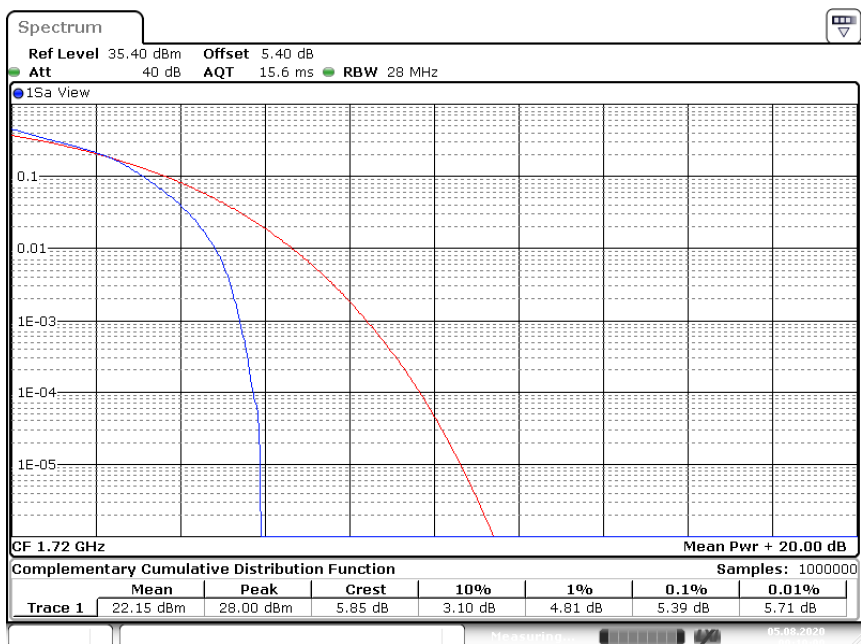
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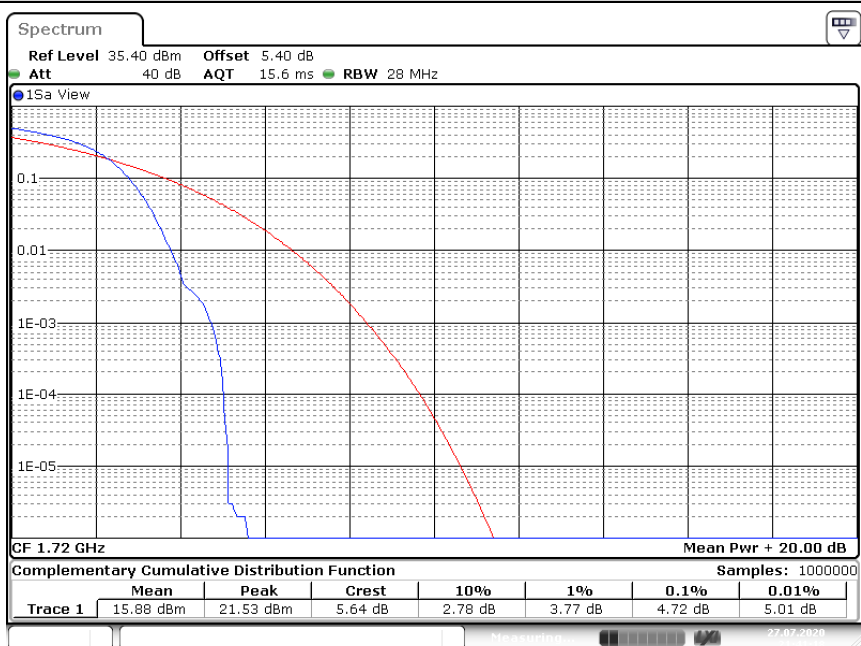


Band66-20MHz-16QAM-132072-32RB#0



Date: 5.AUG.2020 09:10:10

Band66-20MHz-16QAM-132072-100RB#0



Date: 27.JUL.2020 21:41:18



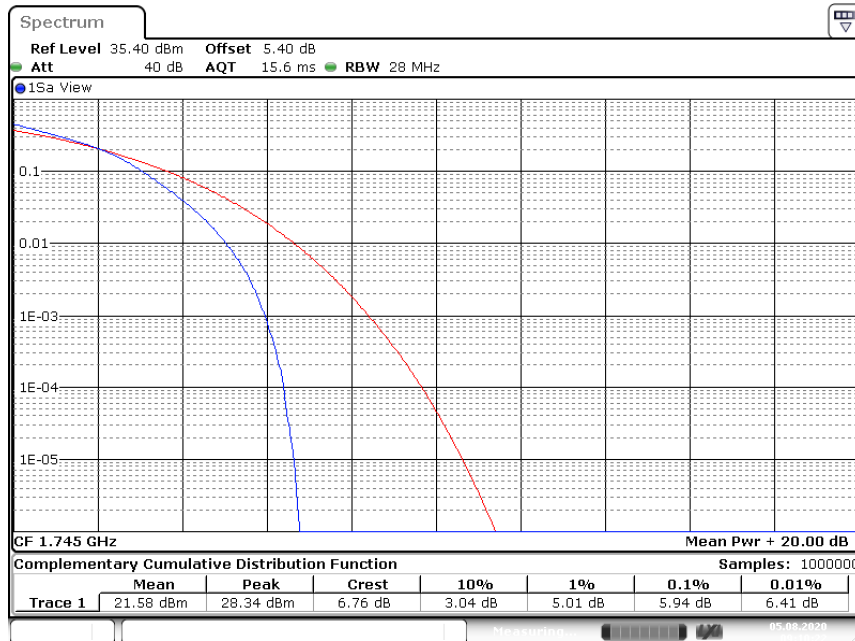
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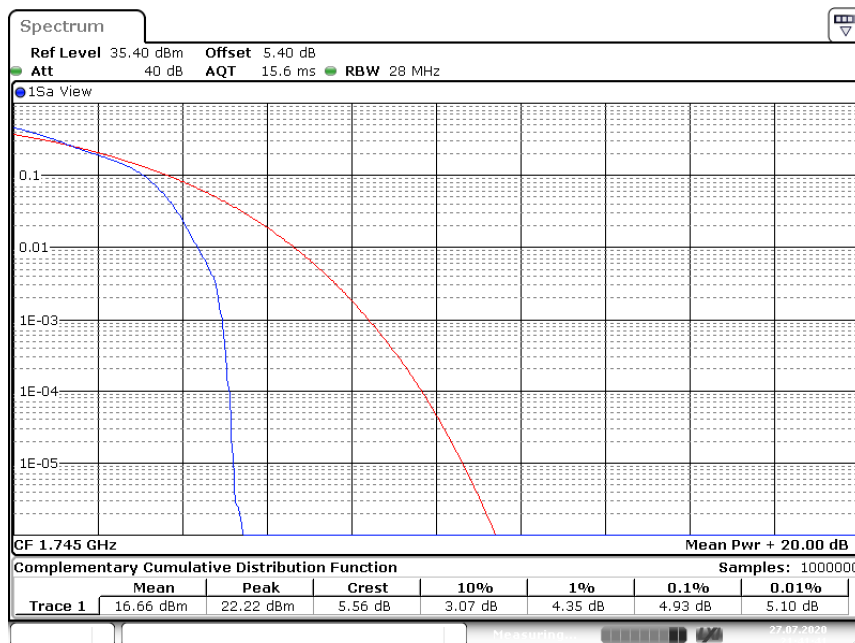
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Band66-20MHz-16QAM-132322-32RB#0



Date: 5.AUG.2020 09:10:22

Band66-20MHz-16QAM-132322-100RB#0



Date: 27.JUL.2020 21:41:41

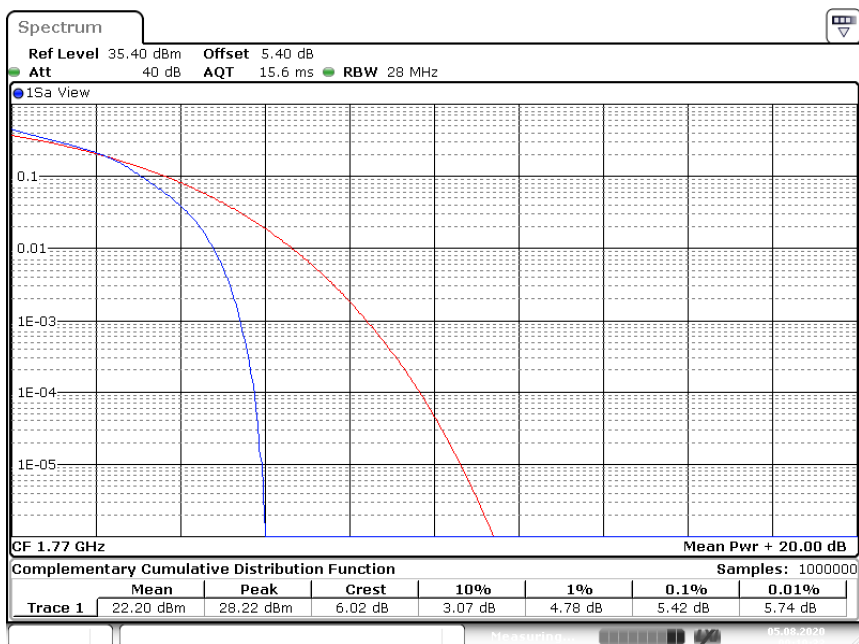


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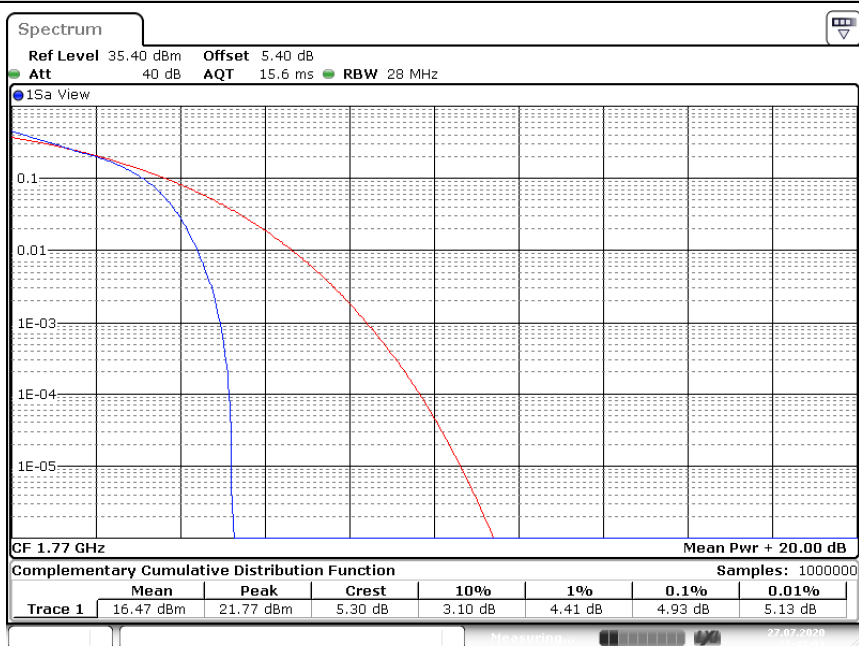
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Band66-20MHz-16QAM-132572-32RB#0



Date: 5.AUG.2020 09:10:33

Band66-20MHz-16QAM-132572-100RB#0



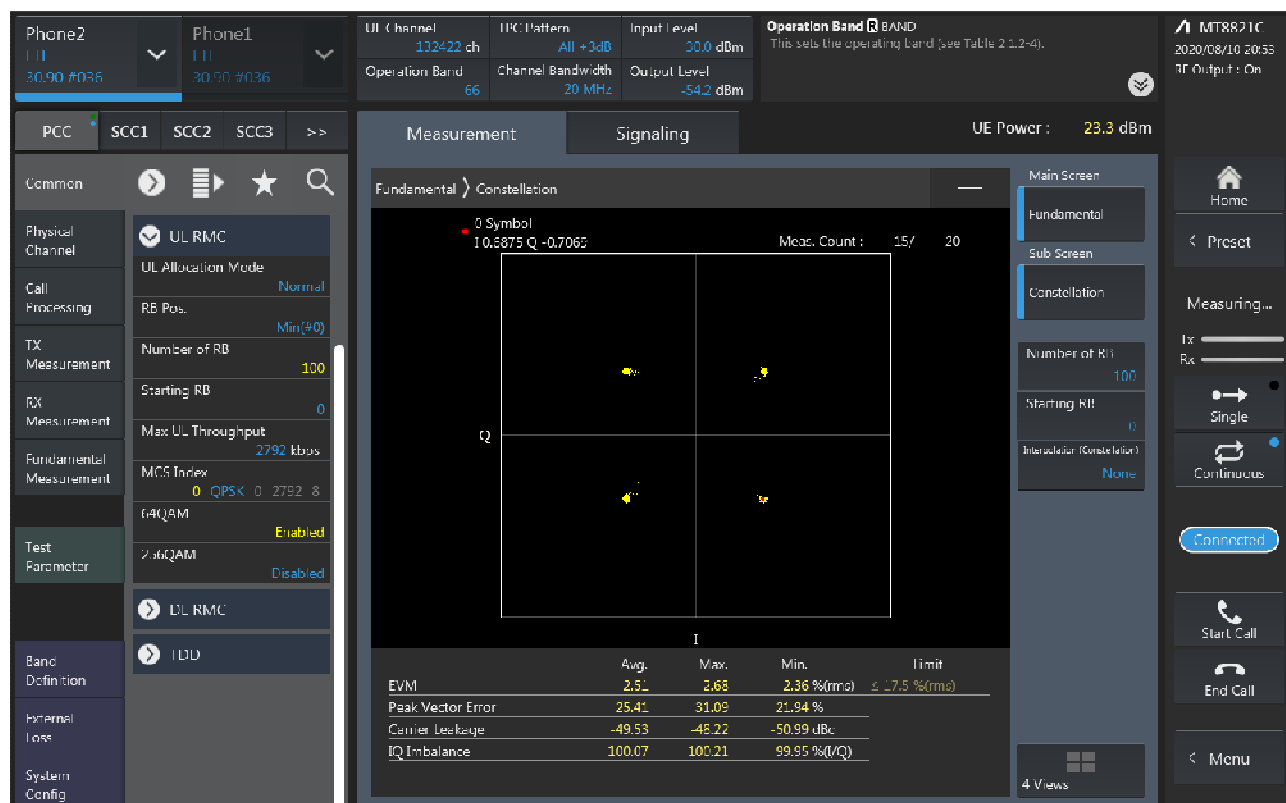
Date: 27.JUL.2020 21:42:04



3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



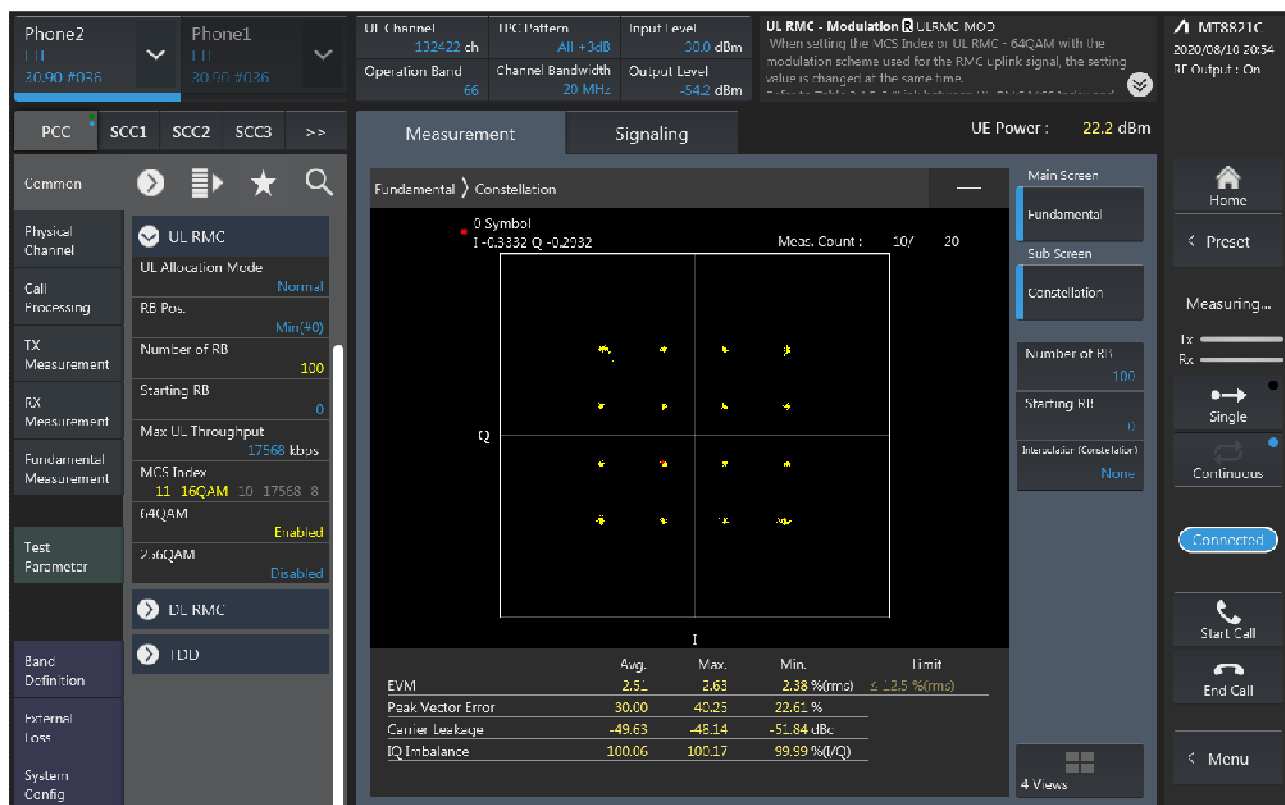
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.094	1.416	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.094	1.413	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.398	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.094	1.485	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.094	1.479	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.097	1.488	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.685	3.216	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	3.198	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.685	3.192	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	3.204	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.691	3.180	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.685	3.198	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.456	4.990	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.456	5.010	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.456	4.950	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.456	5.000	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.456	5.020	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.456	4.980	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.891	9.560	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.871	9.520	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.891	9.540	PASS
Band66	10MHz	16QAM	132022	32RB#0	5.794	7.540	PASS
Band66	10MHz	16QAM	132322	32RB#0	5.814	7.940	PASS
Band66	10MHz	16QAM	132622	32RB#0	5.834	8.780	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.576	16.500	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.546	16.650	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.576	16.770	PASS
Band66	15MHz	16QAM	132047	32RB#0	6.893	11.820	PASS
Band66	15MHz	16QAM	132322	32RB#0	6.803	11.190	PASS
Band66	15MHz	16QAM	132597	32RB#0	6.743	11.340	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.942	21.200	PASS



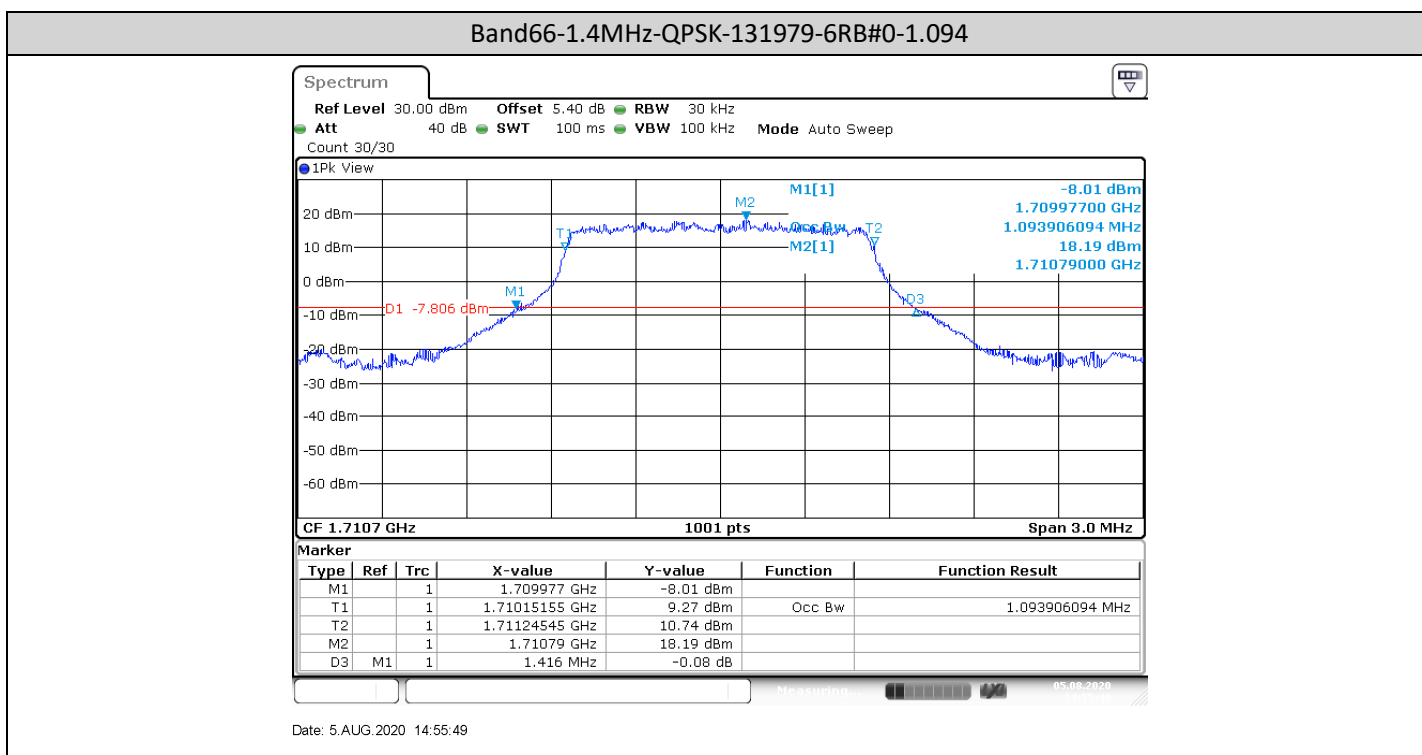
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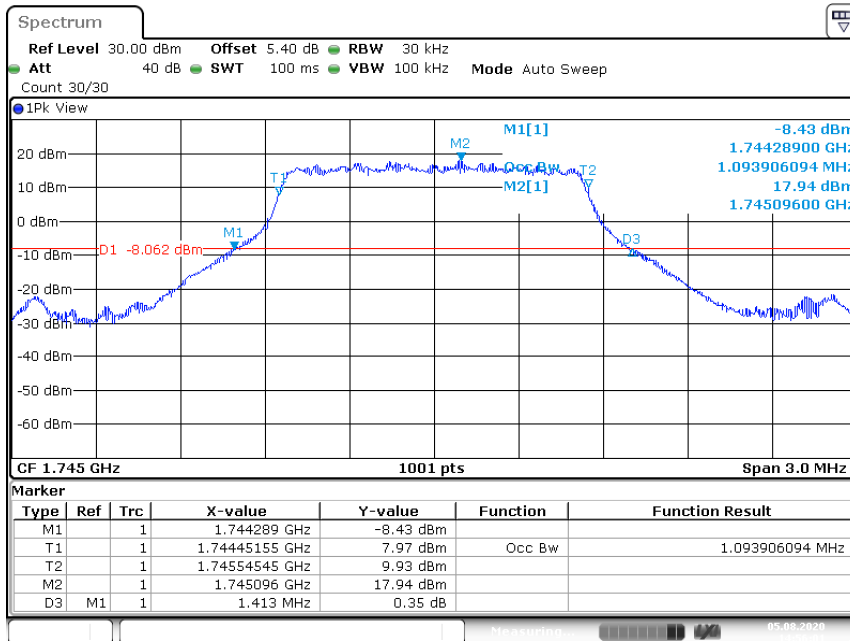


Band66	20MHz	QPSK	132322	100RB#0	17.902	20.920	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.982	21.320	PASS
Band66	20MHz	16QAM	132072	32RB#0	7.153	14.040	PASS
Band66	20MHz	16QAM	132322	32RB#0	7.153	10.800	PASS
Band66	20MHz	16QAM	132572	32RB#0	6.793	11.360	PASS

4.2. Test Plots

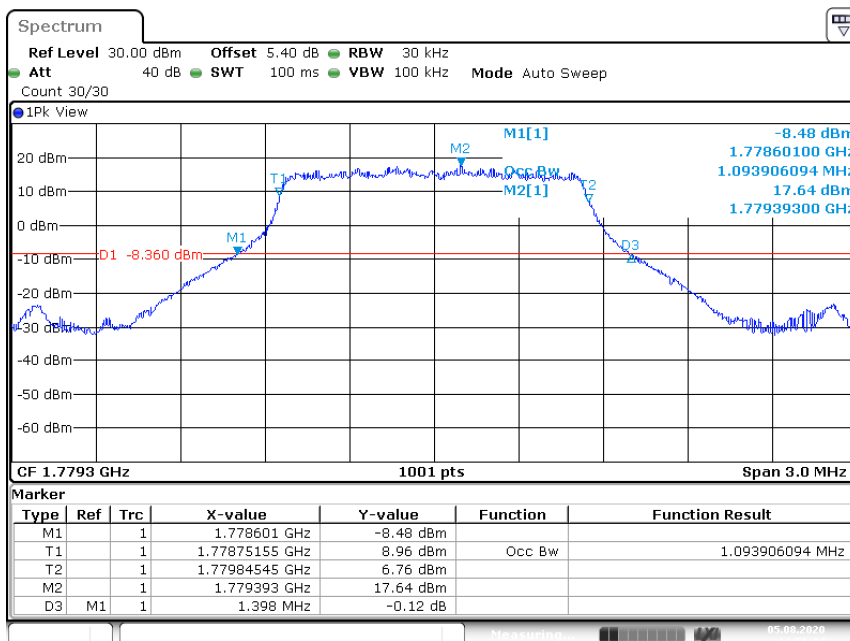


Band66-1.4MHz-QPSK-132322-6RB#0-1.094



Date: 5.AUG.2020 14:56:02

Band66-1.4MHz-QPSK-132665-6RB#0-1.094



Date: 5.AUG.2020 14:56:15

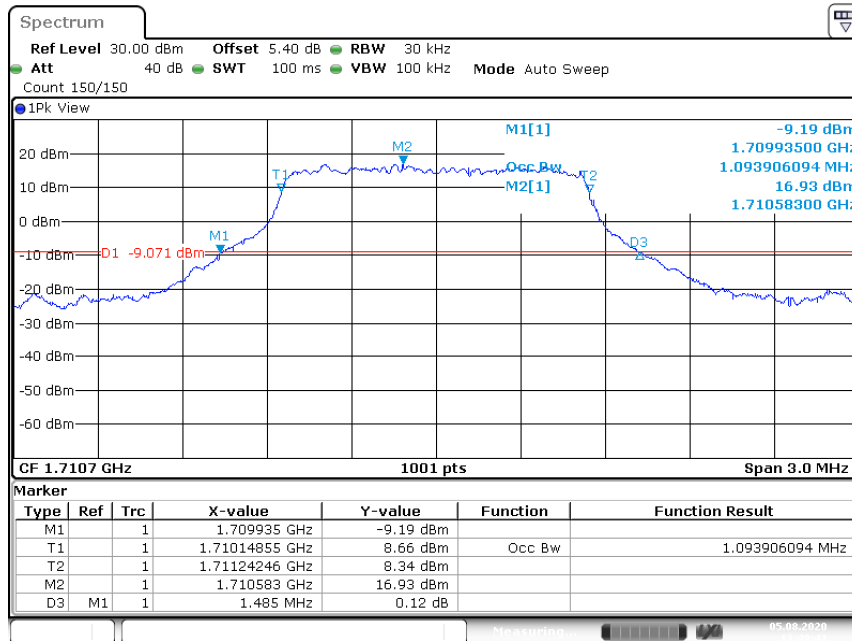


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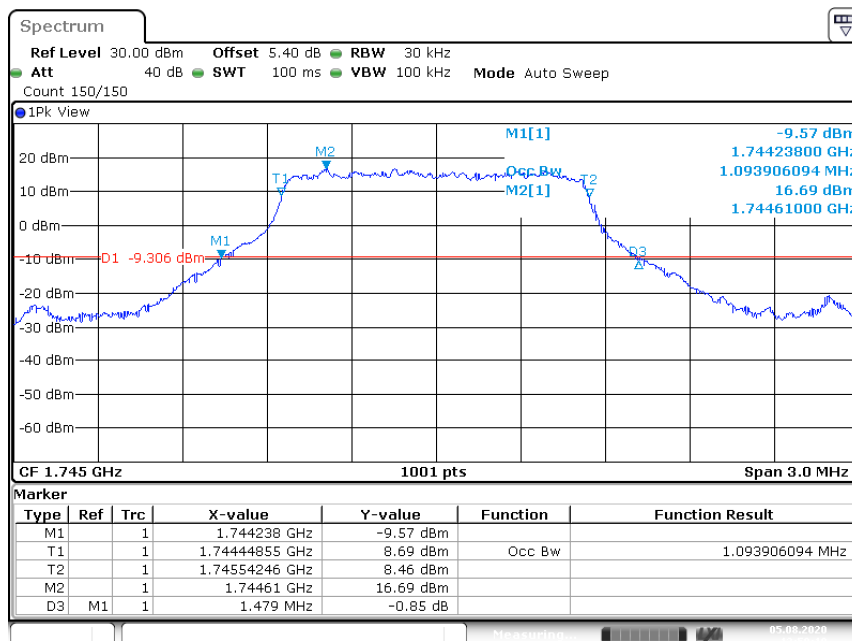


Band66-1.4MHz-16QAM-131979-6RB#0-1.094



Date: 5.AUG.2020 13:49:42

Band66-1.4MHz-16QAM-132322-6RB#0-1.094



Date: 5.AUG.2020 13:50:09

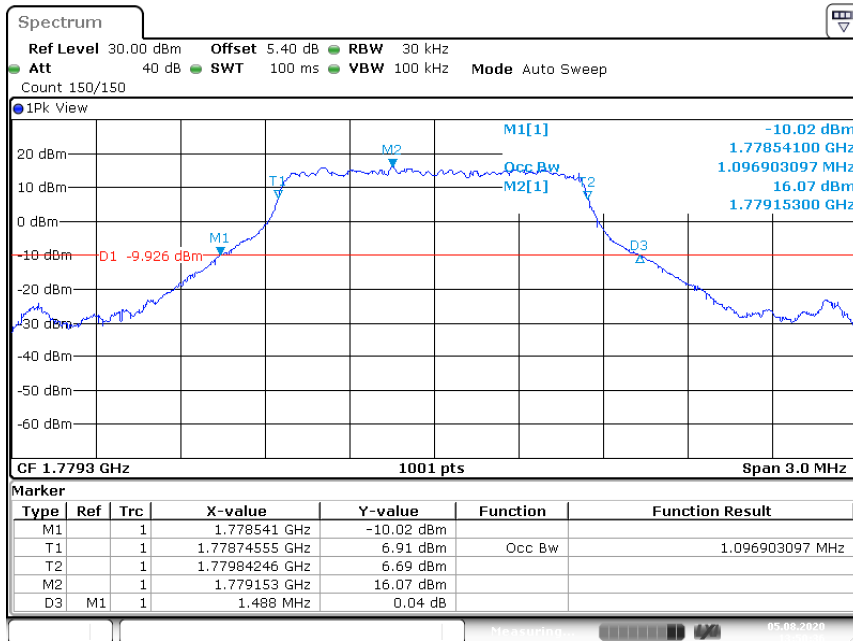


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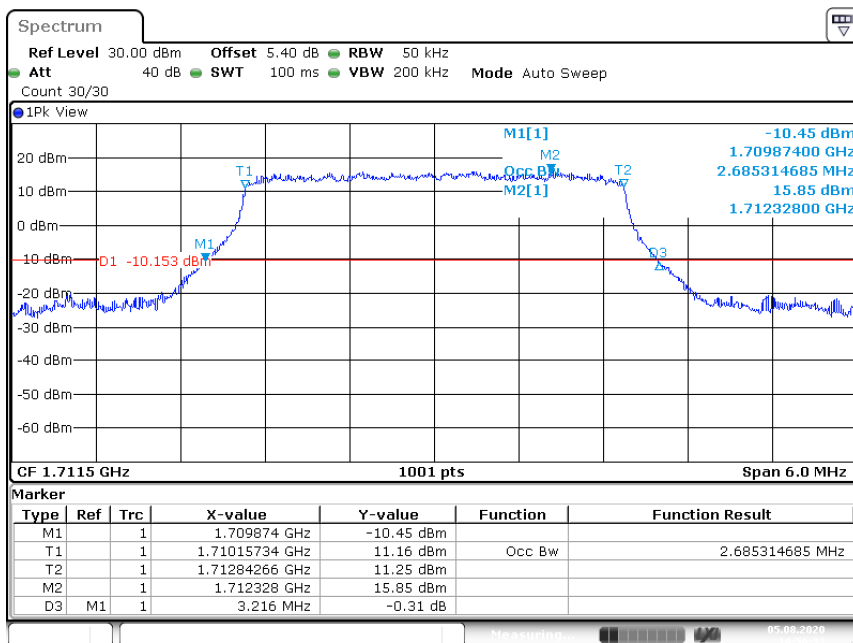


Band66-1.4MHz-16QAM-132665-6RB#0-1.097



Date: 5.AUG.2020 13:50:36

Band66-3MHz-QPSK-131987-15RB#0-2.685



Date: 5.AUG.2020 14:56:33

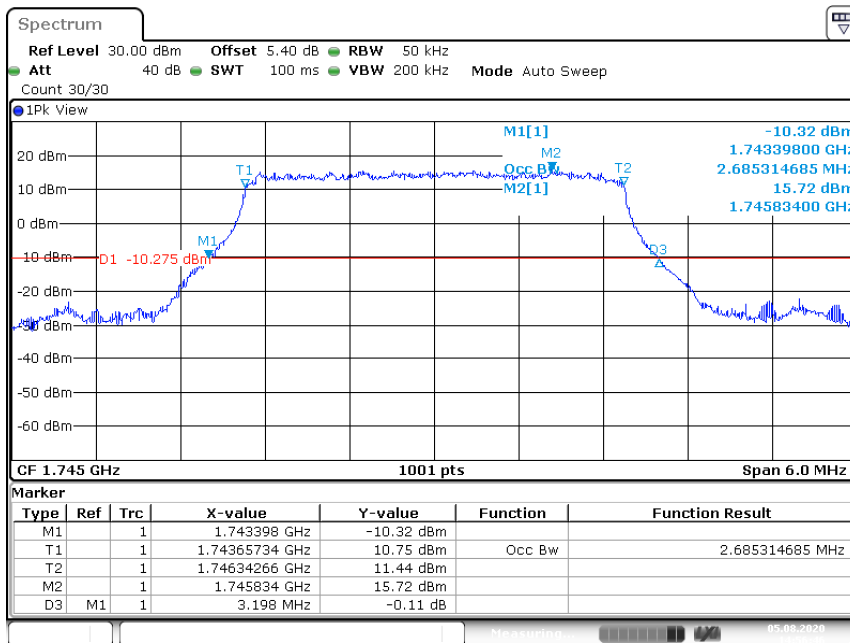


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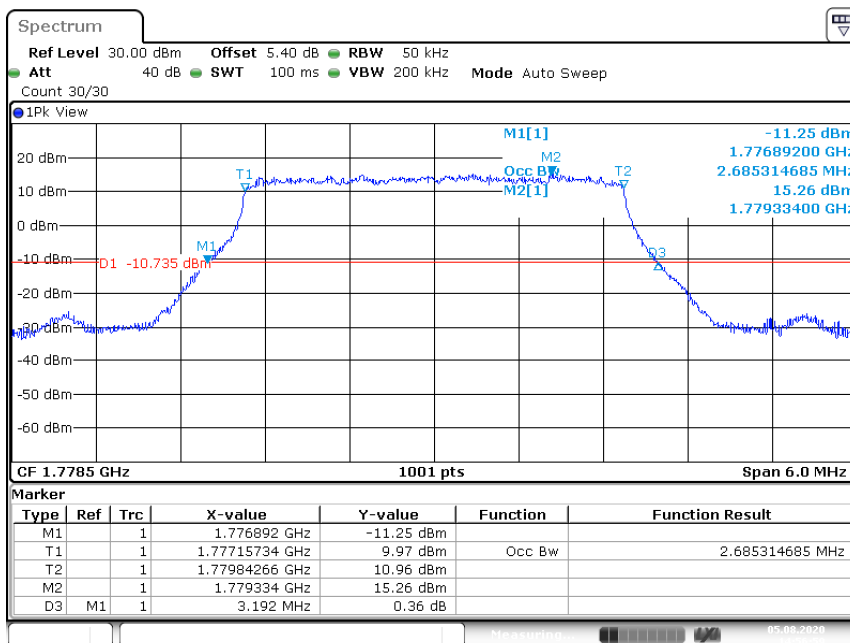


Band66-3MHz-QPSK-132322-15RB#0-2.685



Date: 5.AUG.2020 14:56:46

Band66-3MHz-QPSK-132657-15RB#0-2.685



Date: 5.AUG.2020 14:56:59



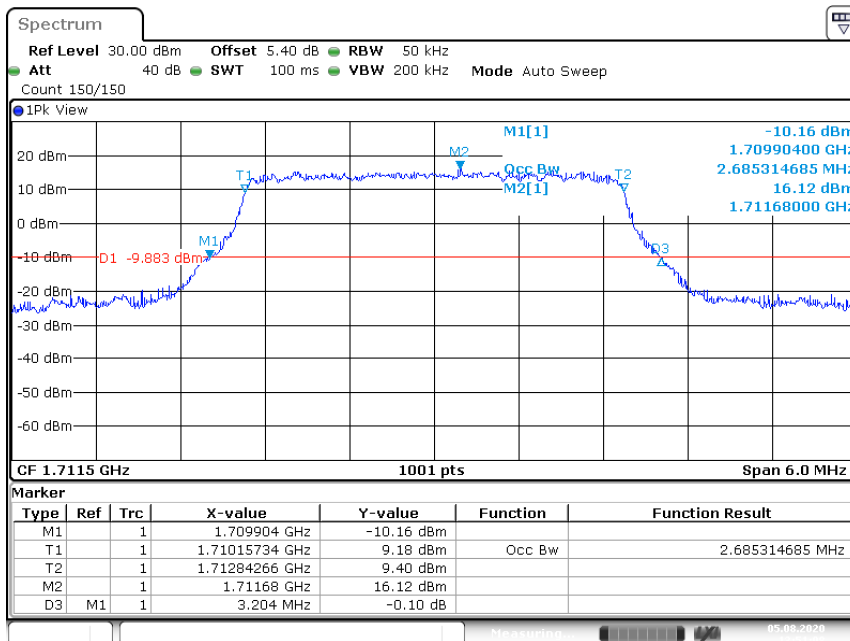
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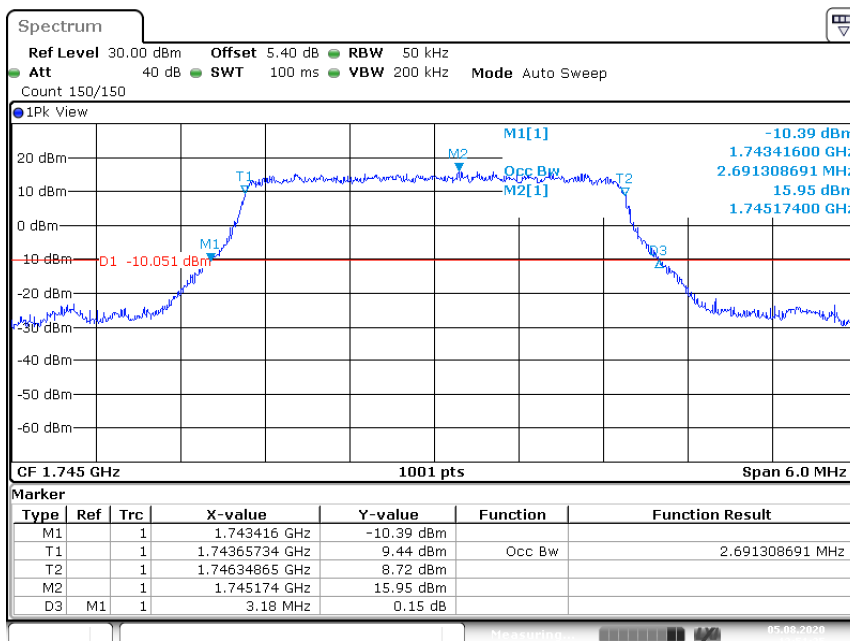


Band66-3MHz-16QAM-131987-15RB#0-2.685



Date: 5.AUG.2020 13:51:09

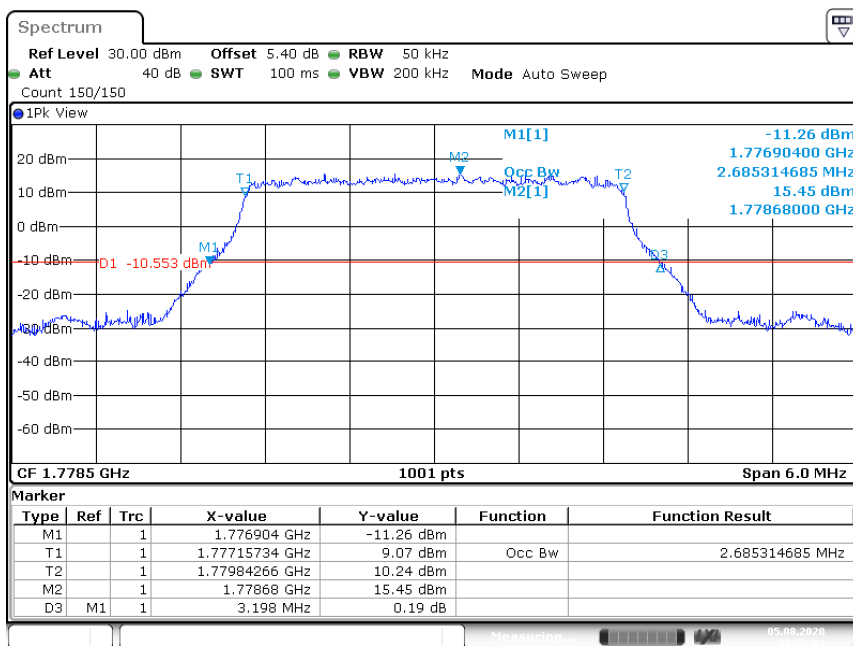
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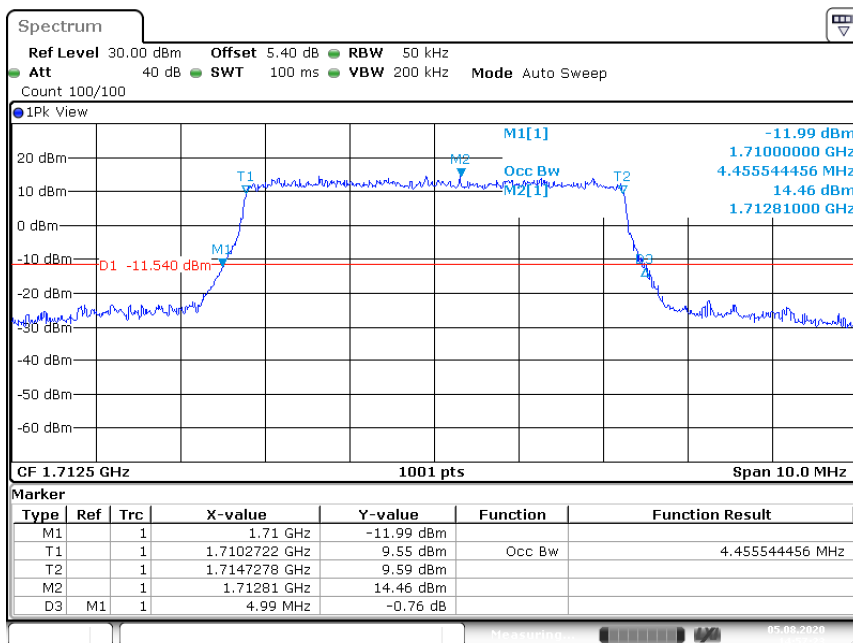


Band66-3MHz-16QAM-132657-15RB#0-2.685



Date: 5.AUG.2020 13:52:02

Band66-5MHz-QPSK-131997-25RB#0-4.456

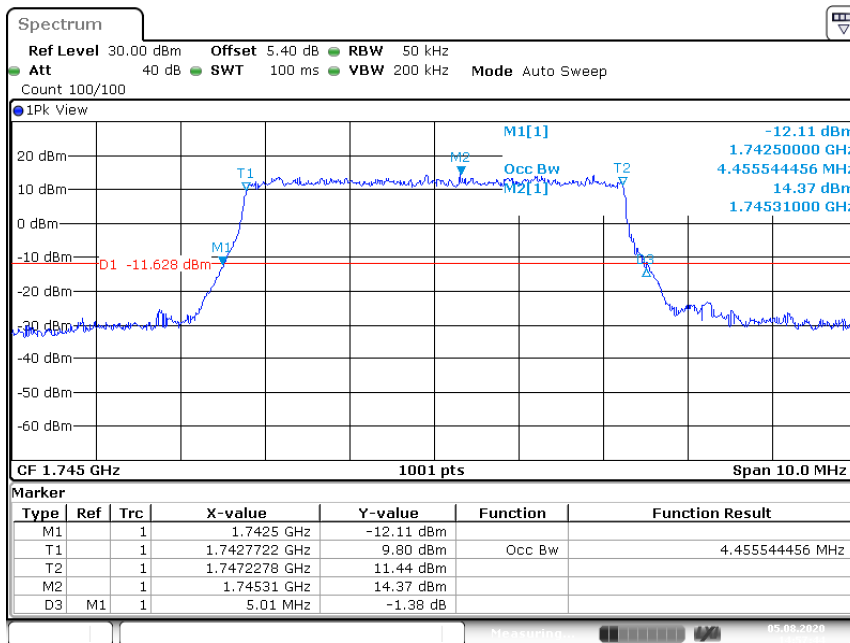


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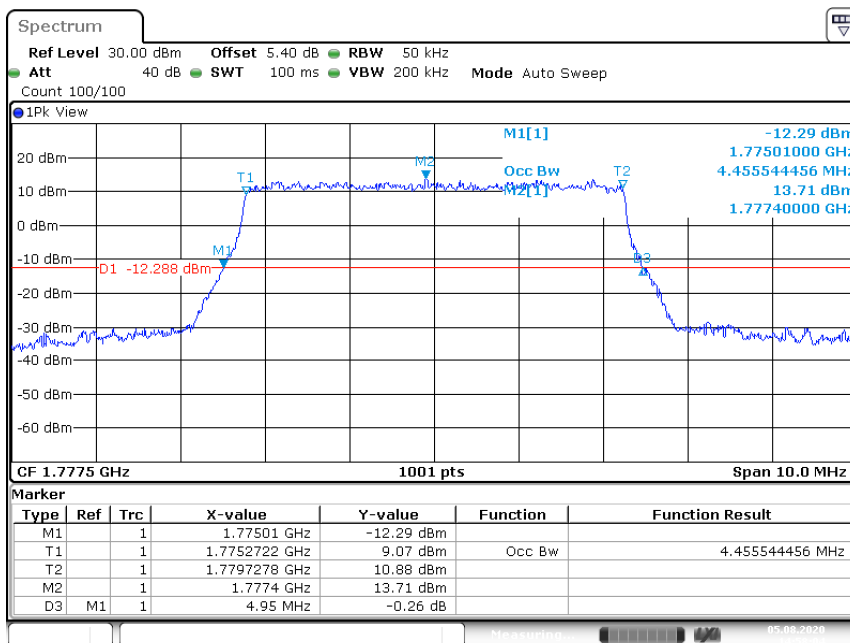


Band66-5MHz-QPSK-132322-25RB#0-4.456



Date: 5.AUG.2020 14:57:44

Band66-5MHz-QPSK-132647-25RB#0-4.456



Date: 5.AUG.2020 14:58:04

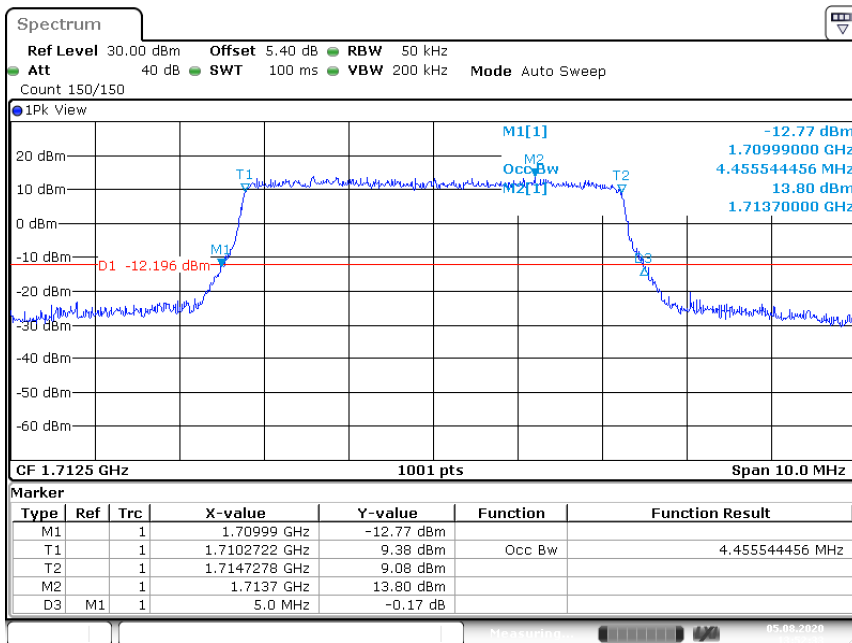


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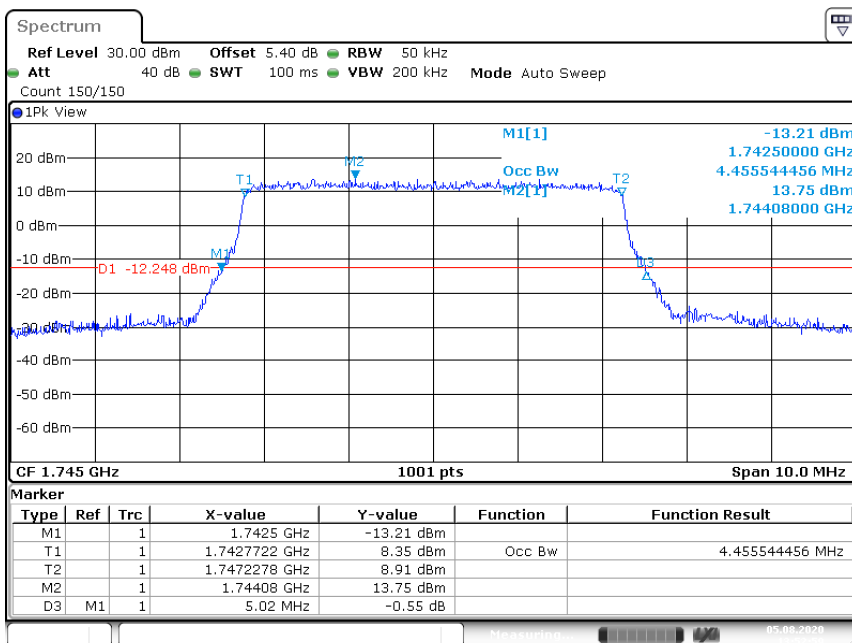
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Band66-5MHz-16QAM-131997-25RB#0-4.456



Date: 5.AUG.2020 13:52:33

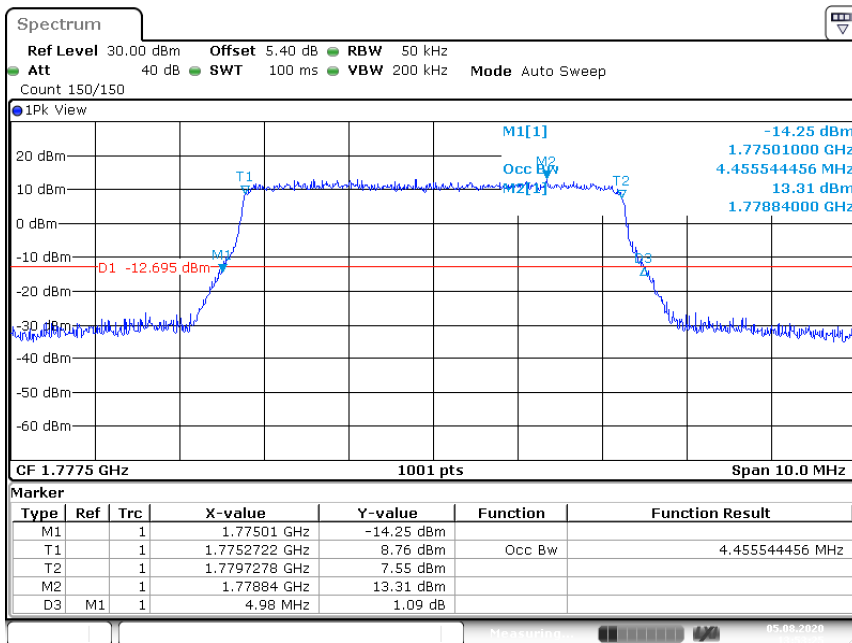
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Date: 5.AUG.2020 13:53:00

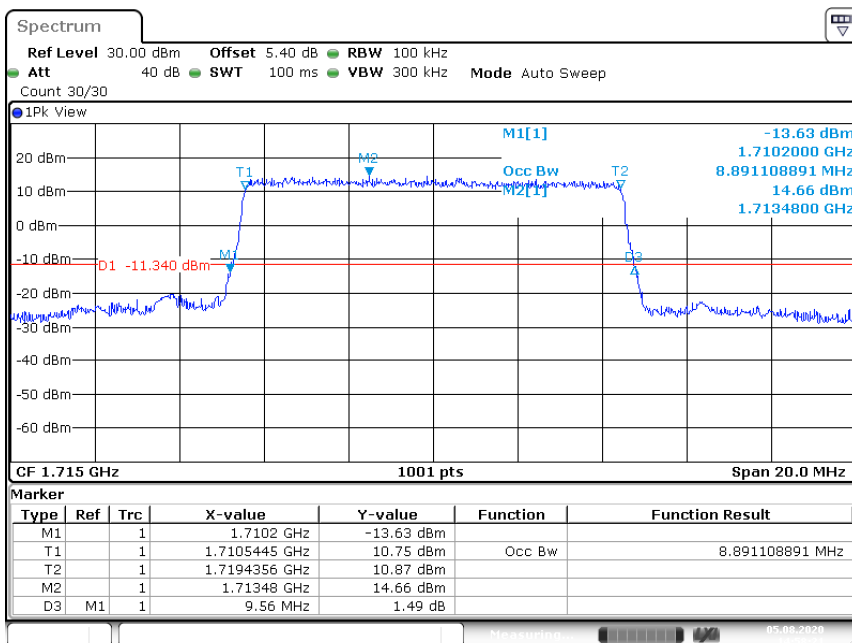


Band66-5MHz-16QAM-132647-25RB#0-4.456



Date: 5.AUG.2020 13:53:26

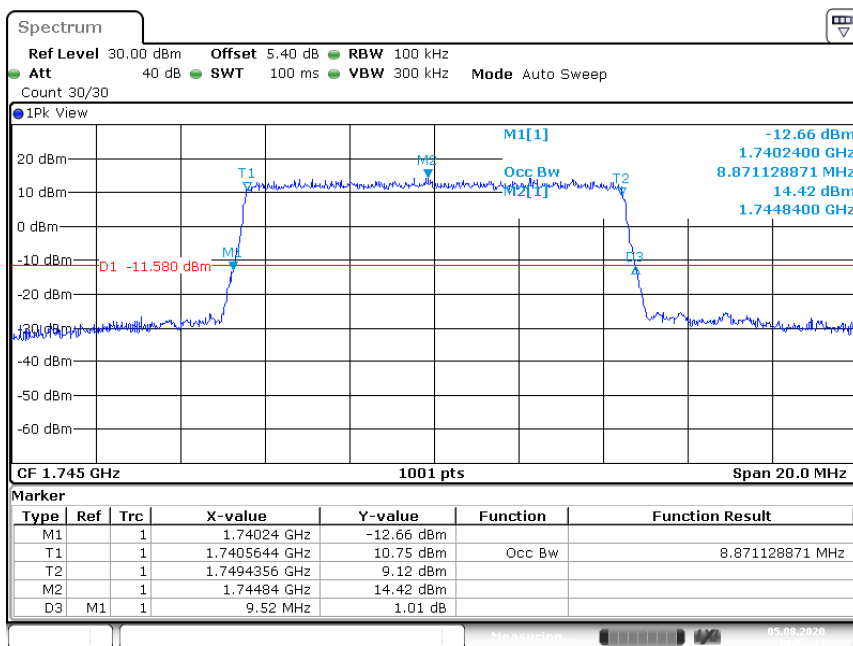
Band66-10MHz-QPSK-132022-50RB#0-8.891



Date: 5.AUG.2020 14:58:22

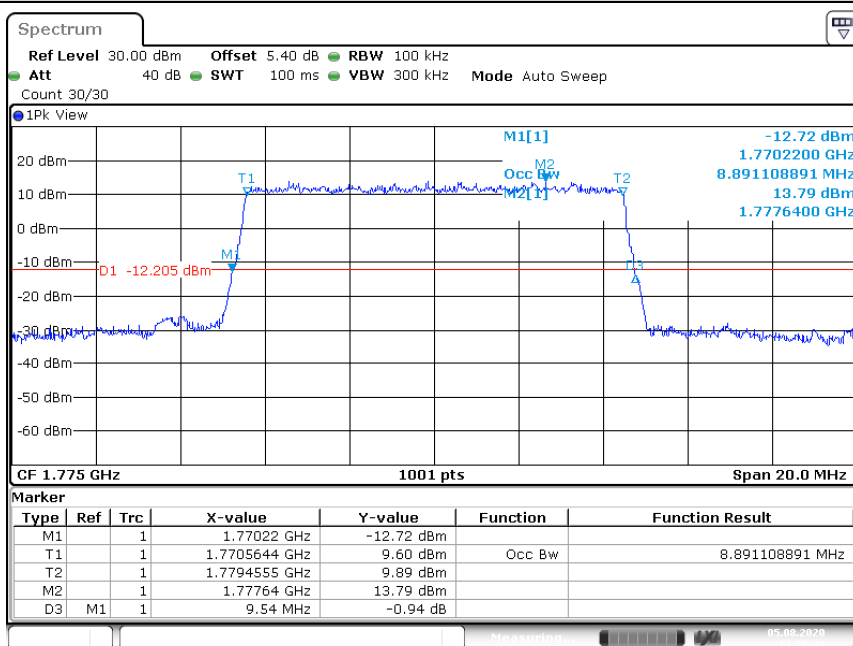


Band66-10MHz-QPSK-132322-50RB#0-8.871



Date: 5.AUG.2020 14:58:35

Band66-10MHz-QPSK-132622-50RB#0-8.891

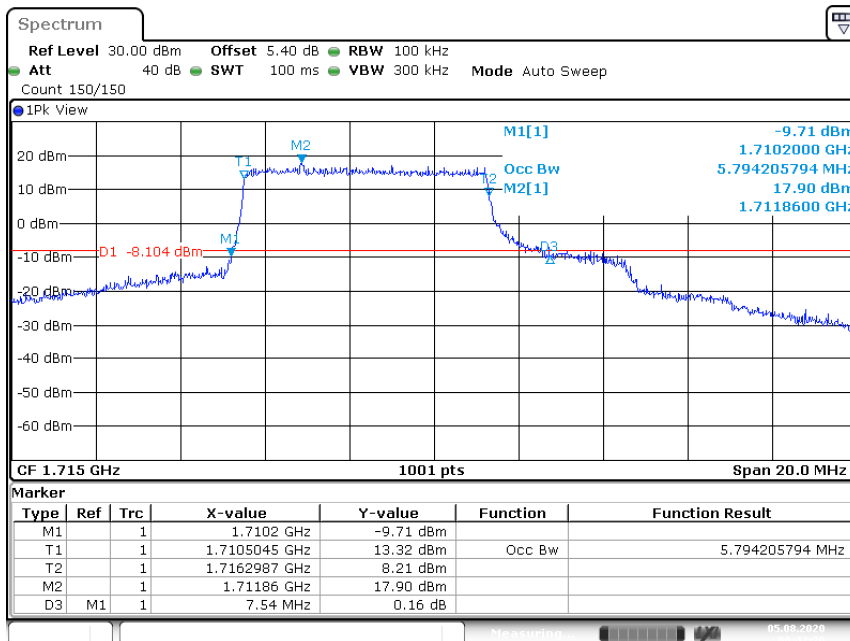


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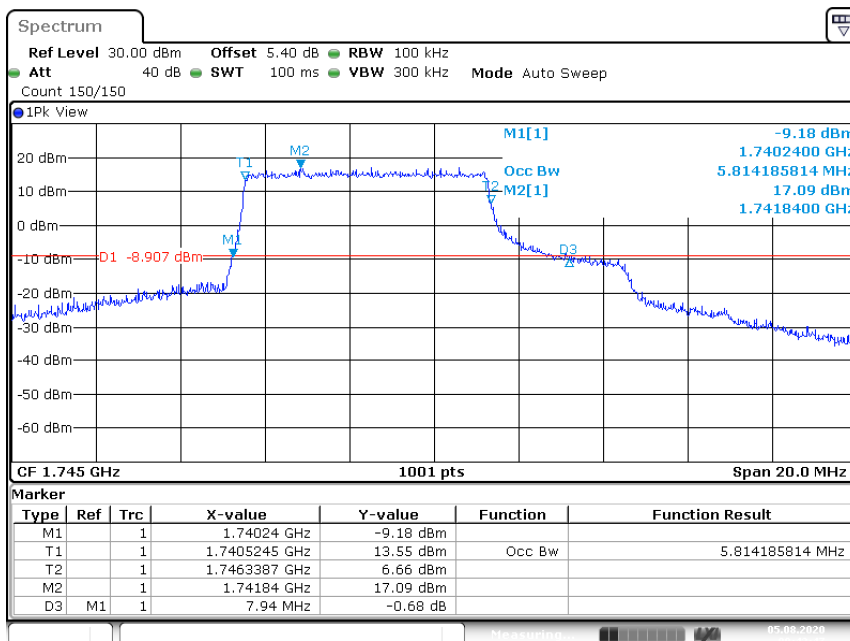


Band66-10MHz-16QAM-132022-32RB#0-5.794



Date: 5.AUG.2020 09:42:20

Band66-10MHz-16QAM-132322-32RB#0-5.814



Date: 5.AUG.2020 09:42:47



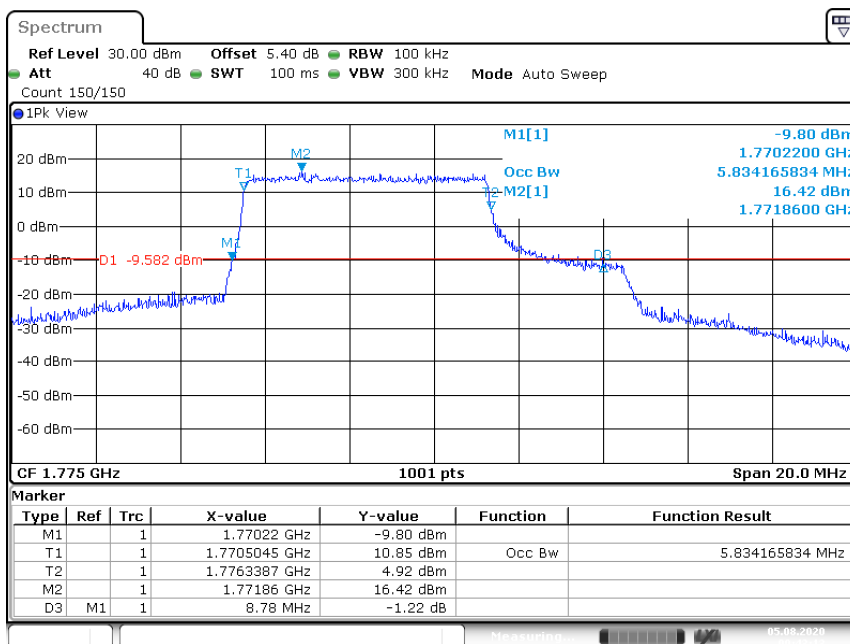
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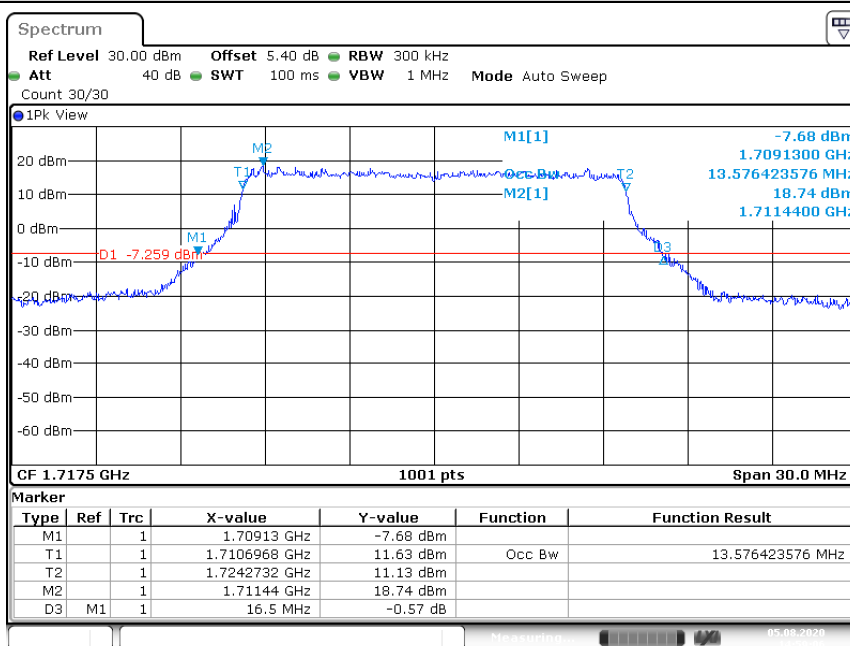


Band66-10MHz-16QAM-132622-32RB#0-5.834



Date: 5.AUG.2020 09:43:13

Band66-15MHz-QPSK-132047-75RB#0-13.576



Date: 5.AUG.2020 14:59:06



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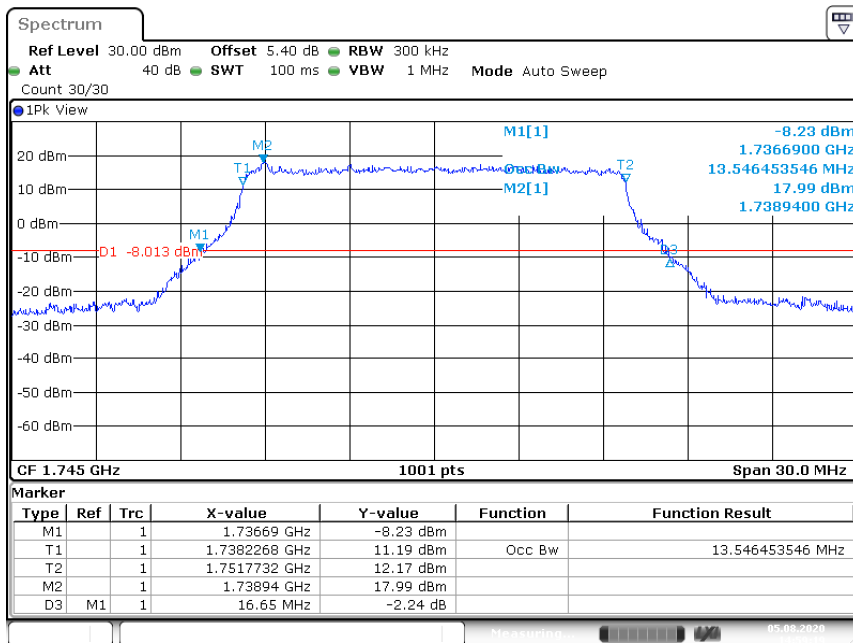
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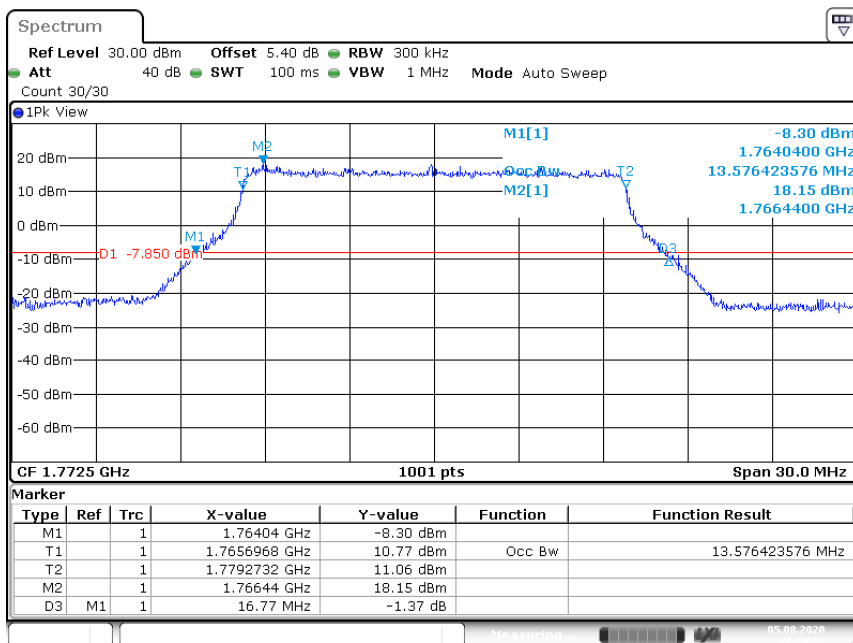
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Band66-15MHz-QPSK-132322-75RB#0-13.546



Date: 5.AUG.2020 14:59:19

Band66-15MHz-QPSK-132597-75RB#0-13.576

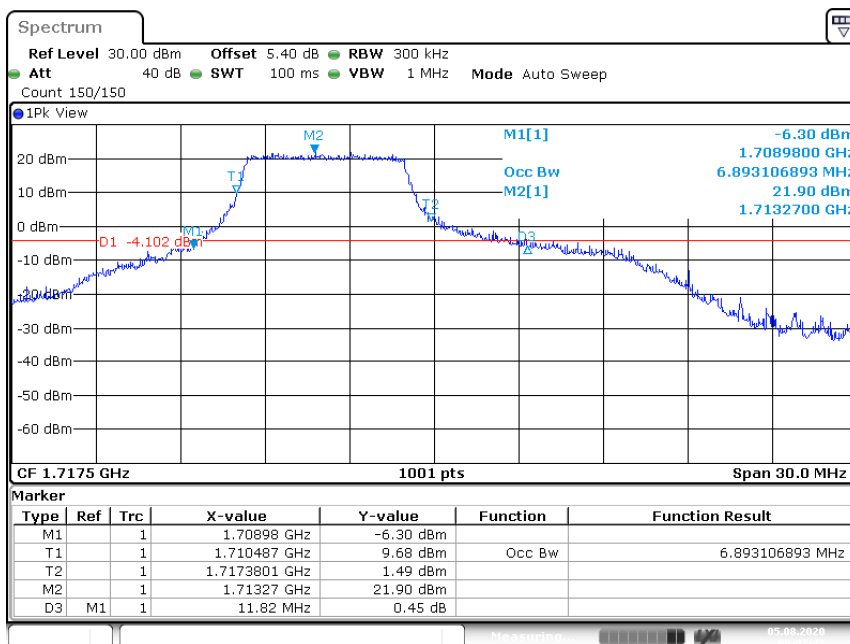


Date: 5.AUG.2020 14:59:32



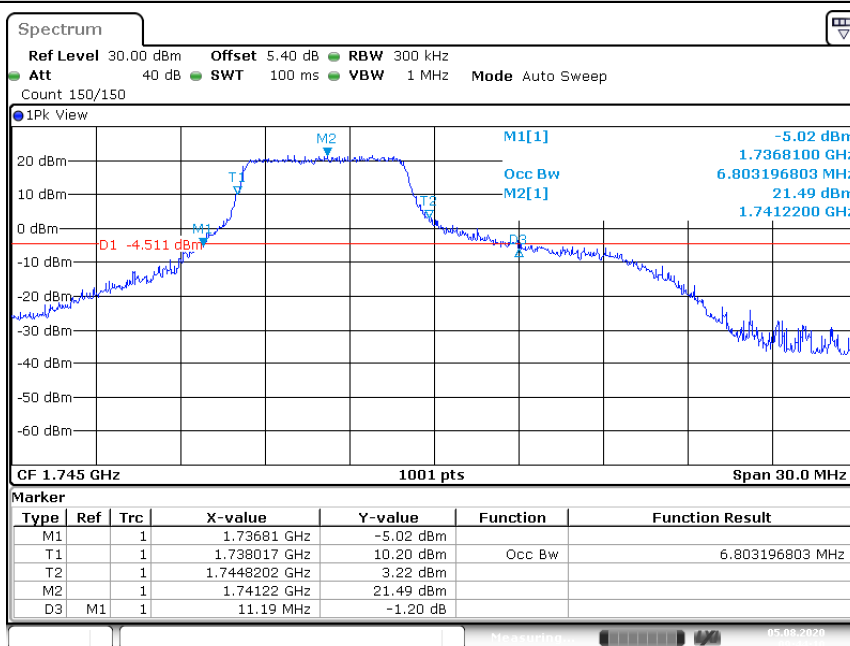


Band66-15MHz-16QAM-132047-32RB#0-6.893



Date: 5.AUG.2020 09:43:44

Band66-15MHz-16QAM-132322-32RB#0-6.803



Date: 5.AUG.2020 09:44:10



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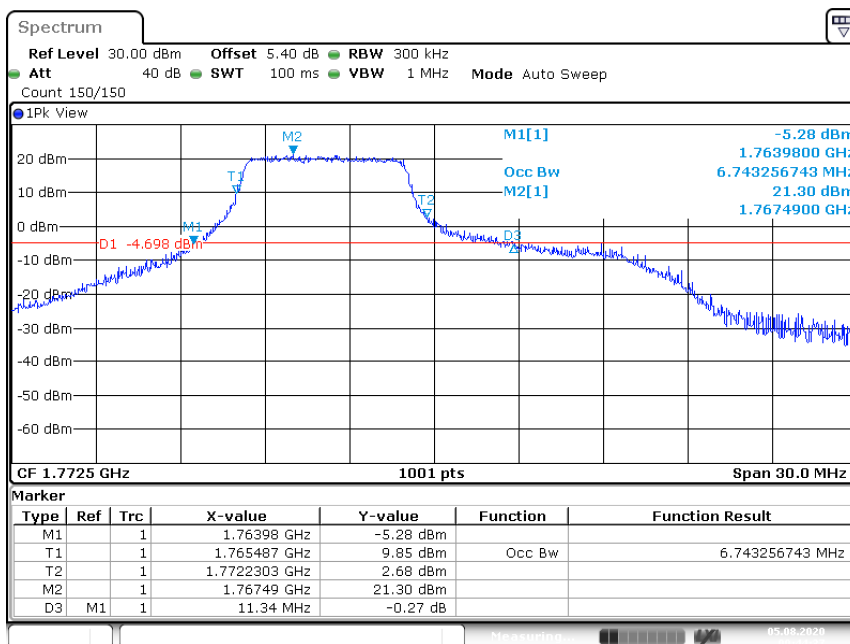
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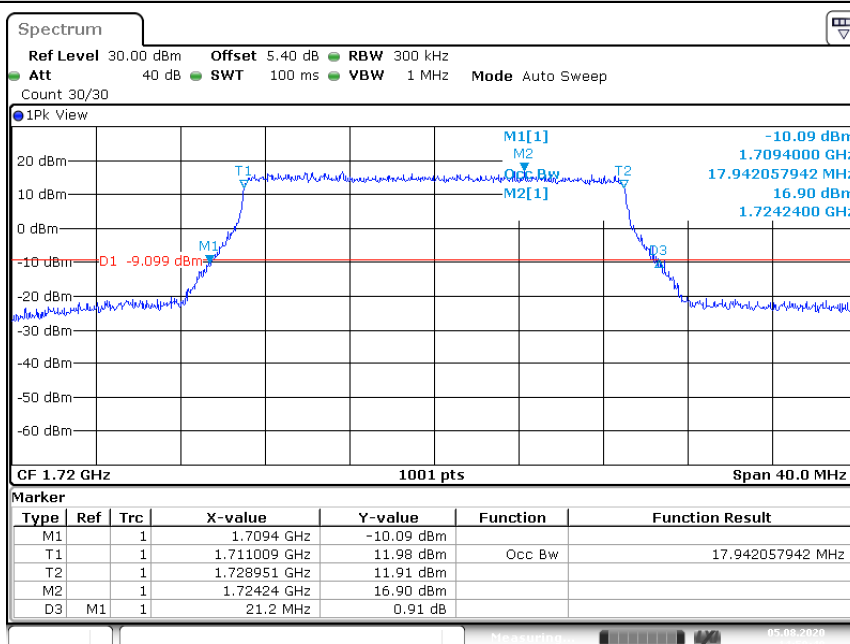


Band66-15MHz-16QAM-132597-32RB#0-6.743



Date: 5.AUG.2020 09:44:37

Band66-20MHz-QPSK-132072-100RB#0-17.942



Date: 5.AUG.2020 14:59:50



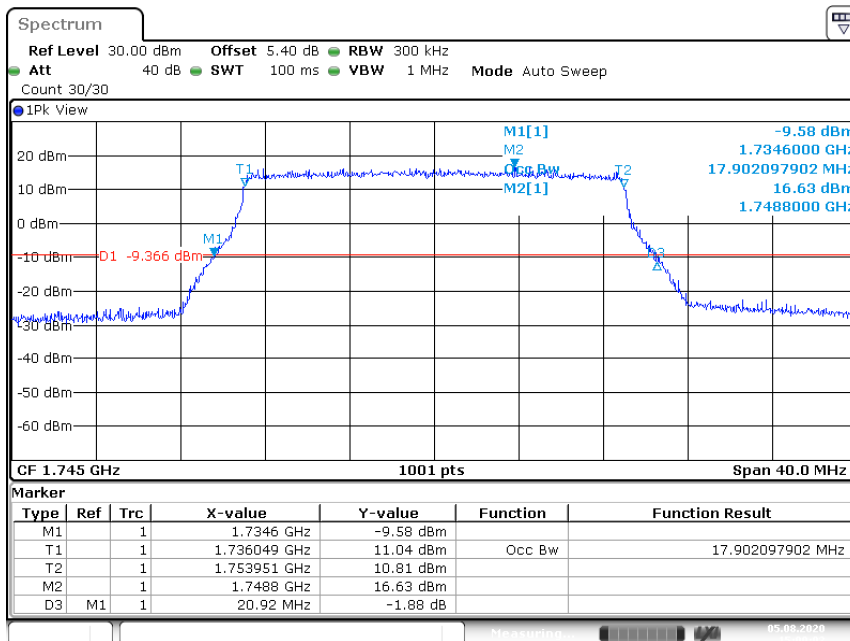
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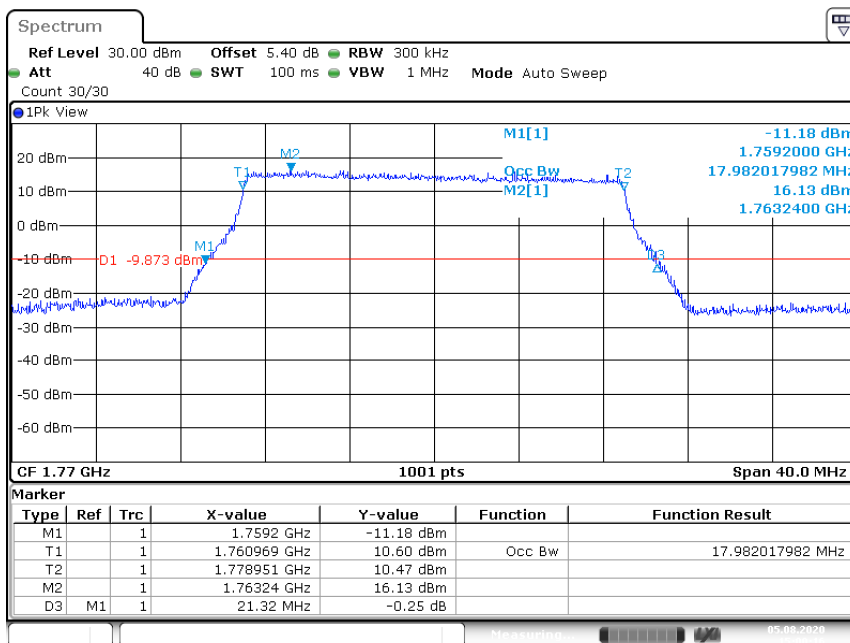


Band66-20MHz-QPSK-132322-100RB#0-17.902



Date: 5.AUG.2020 15:00:03

Band66-20MHz-QPSK-132572-100RB#0-17.982



Date: 5.AUG.2020 15:00:16

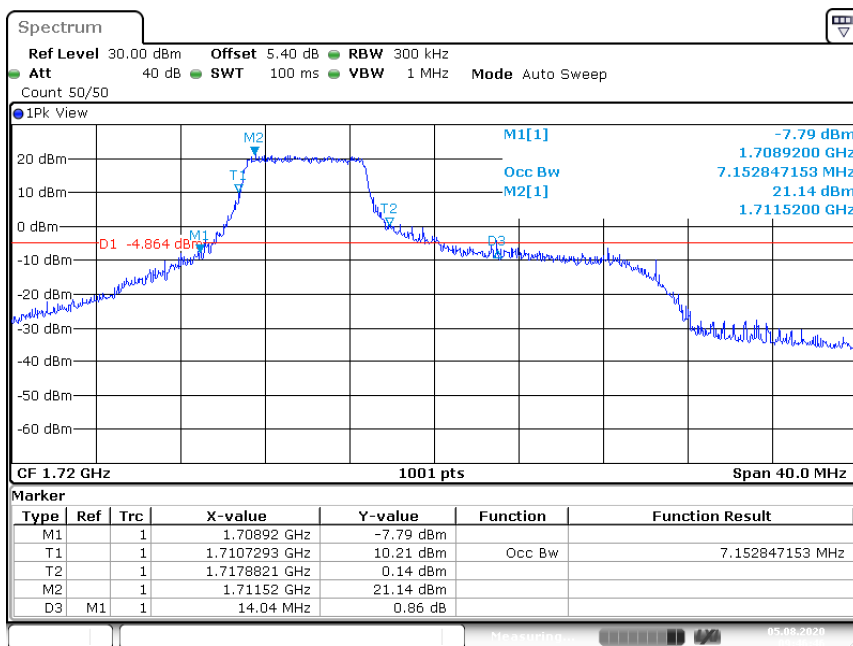


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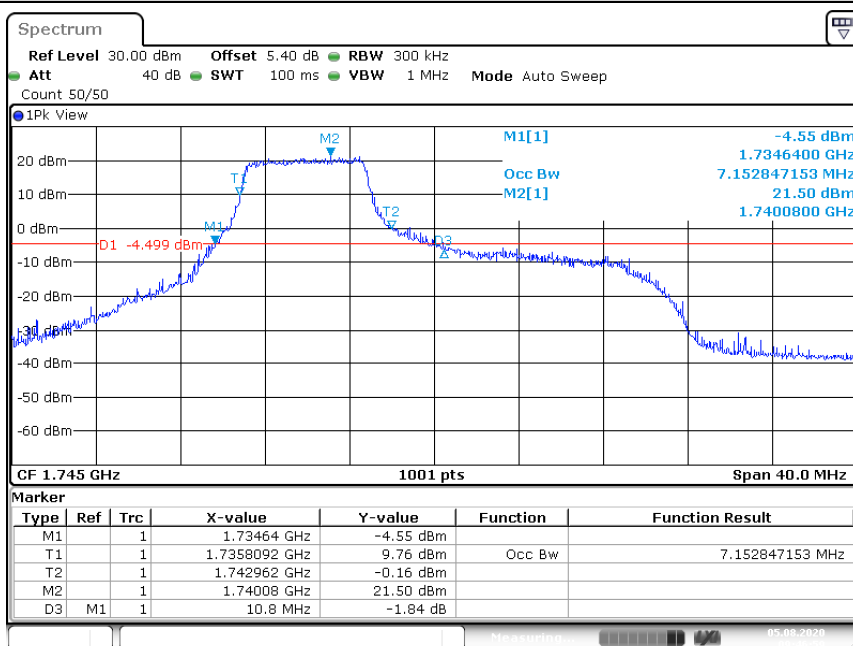
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Band66-20MHz-16QAM-132072-32RB#0-7.153



Date: 5.AUG.2020 09:46:46

Band66-20MHz-16QAM-132322-32RB#0-7.153

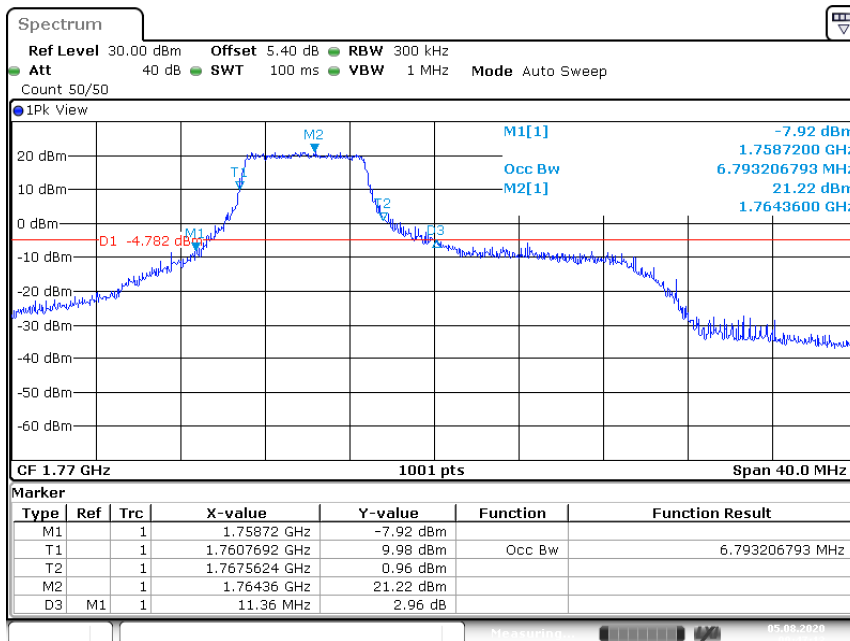


Date: 5.AUG.2020 09:47:00





Band66-20MHz-16QAM-132572-32RB#0-6.793



Date: 5.AUG.2020 09:47:13



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-15.56	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-19.27	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-14.64	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-20.80	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-14.19	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-19.55	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-18.41	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-24.96	PASS
Band66	3MHz	QPSK	131987	1RB#0	-13.58	PASS
Band66	3MHz	QPSK	131987	15RB#0	-20.11	PASS
Band66	3MHz	QPSK	132657	1RB#14	-16.55	PASS
Band66	3MHz	QPSK	132657	15RB#0	-21.38	PASS
Band66	3MHz	16QAM	131987	1RB#0	-14.27	PASS
Band66	3MHz	16QAM	131987	15RB#0	-22.25	PASS
Band66	3MHz	16QAM	132657	1RB#14	-17.95	PASS
Band66	3MHz	16QAM	132657	15RB#0	-22.45	PASS
Band66	5MHz	QPSK	131997	1RB#0	-15.66	PASS
Band66	5MHz	QPSK	131997	25RB#0	-26.70	PASS
Band66	5MHz	QPSK	132647	1RB#24	-16.51	PASS
Band66	5MHz	QPSK	132647	25RB#0	-28.48	PASS
Band66	5MHz	16QAM	131997	1RB#0	-16.74	PASS
Band66	5MHz	16QAM	131997	25RB#0	-28.09	PASS
Band66	5MHz	16QAM	132647	1RB#24	-16.16	PASS
Band66	5MHz	16QAM	132647	25RB#0	-29.32	PASS
Band66	10MHz	QPSK	132022	1RB#0	-30.34	PASS
Band66	10MHz	QPSK	132022	50RB#0	-32.79	PASS
Band66	10MHz	QPSK	132622	1RB#49	-30.59	PASS
Band66	10MHz	QPSK	132622	50RB#0	-39.02	PASS
Band66	10MHz	16QAM	132022	1RB#0	-29.94	PASS
Band66	10MHz	16QAM	132022	32RB#0	-27.67	PASS
Band66	10MHz	16QAM	132022	50RB#0	-39.82	PASS
Band66	10MHz	16QAM	132622	1RB#49	-31.78	PASS



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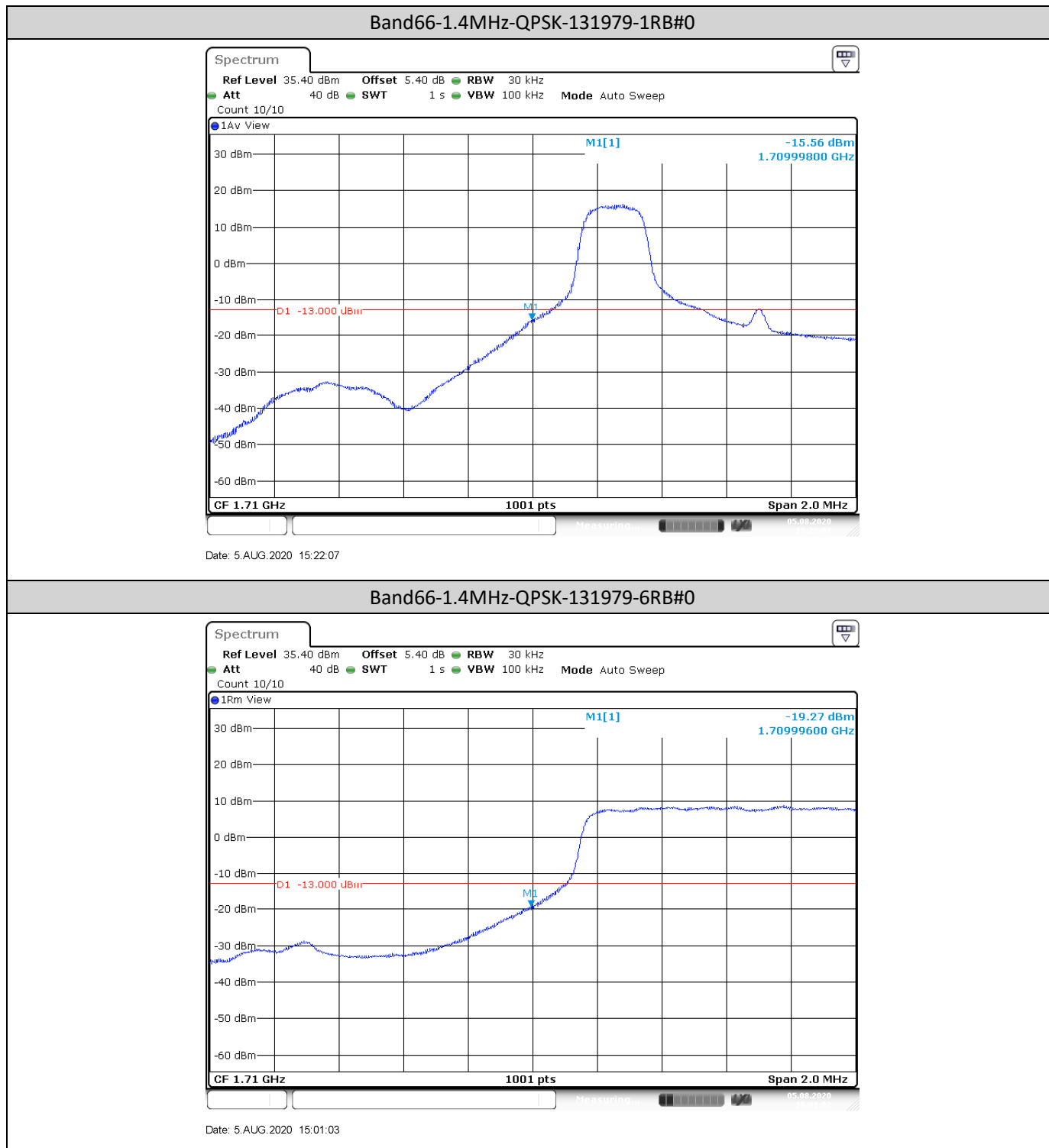
Band66	10MHz	16QAM	132622	32RB#18	-35.14	PASS
Band66	10MHz	16QAM	132622	50RB#0	-40.93	PASS
Band66	15MHz	QPSK	132047	1RB#0	-13.73	PASS
Band66	15MHz	QPSK	132047	75RB#0	-24.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	-14.54	PASS
Band66	15MHz	QPSK	132597	75RB#0	-26.51	PASS
Band66	15MHz	16QAM	132047	1RB#0	-14.78	PASS
Band66	15MHz	16QAM	132047	32RB#0	-19.77	PASS
Band66	15MHz	16QAM	132047	75RB#0	-23.09	PASS
Band66	15MHz	16QAM	132597	1RB#74	-25.79	PASS
Band66	15MHz	16QAM	132597	32RB#43	-23.67	PASS
Band66	15MHz	16QAM	132597	75RB#0	-26.59	PASS
Band66	20MHz	QPSK	132072	1RB#0	-14.60	PASS
Band66	20MHz	QPSK	132072	100RB#0	-25.33	PASS
Band66	20MHz	QPSK	132572	1RB#99	-28.48	PASS
Band66	20MHz	QPSK	132572	100RB#0	-33.61	PASS
Band66	20MHz	16QAM	132072	1RB#0	-14.87	PASS
Band66	20MHz	16QAM	132072	32RB#0	-20.13	PASS
Band66	20MHz	16QAM	132072	100RB#0	-24.43	PASS
Band66	20MHz	16QAM	132572	1RB#99	-16.74	PASS
Band66	20MHz	16QAM	132572	32RB#68	-24.03	PASS
Band66	20MHz	16QAM	132572	100RB#0	-26.68	PASS



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5.2. Test Plots

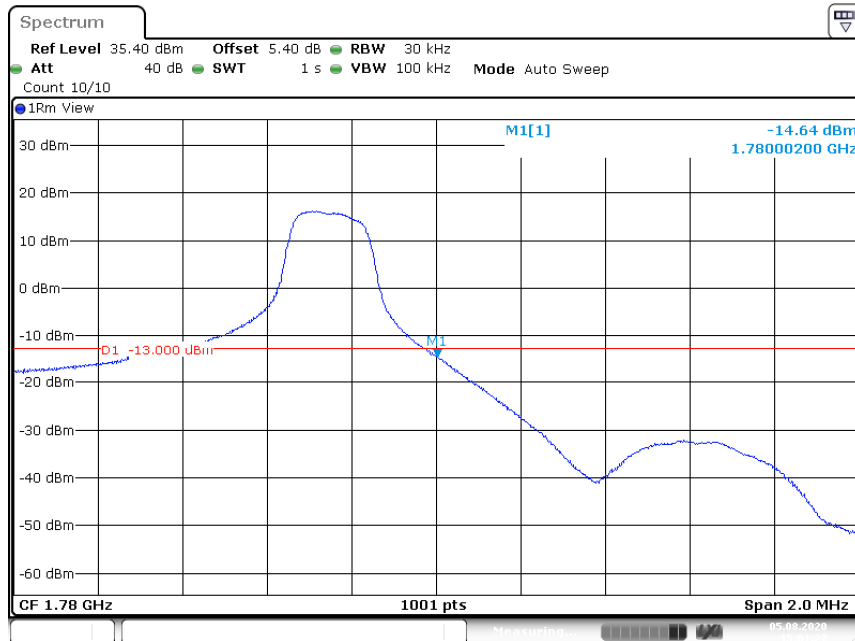


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Band66-1.4MHz-QPSK-132665-1RB#5



Date: 5.AUG.2020 15:01:28

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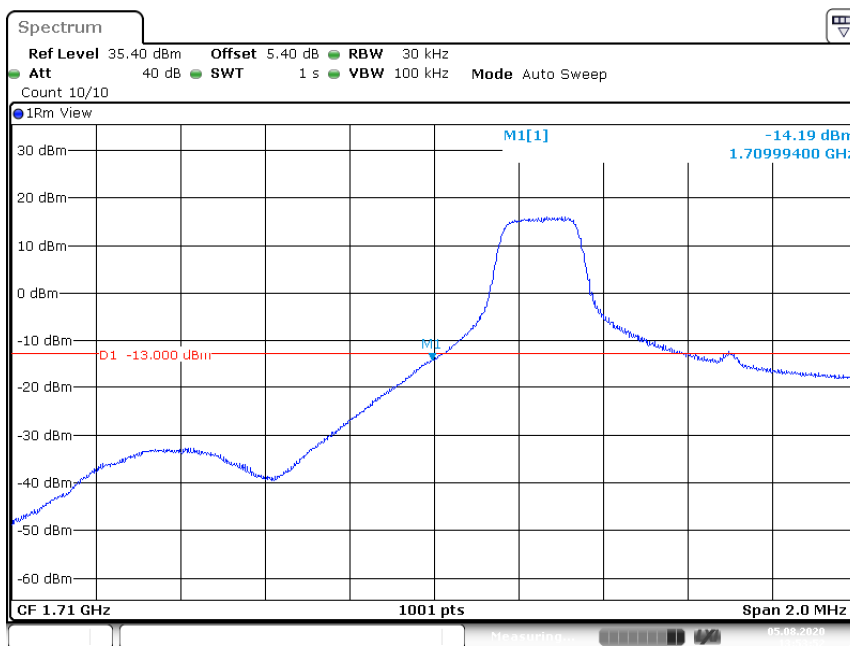


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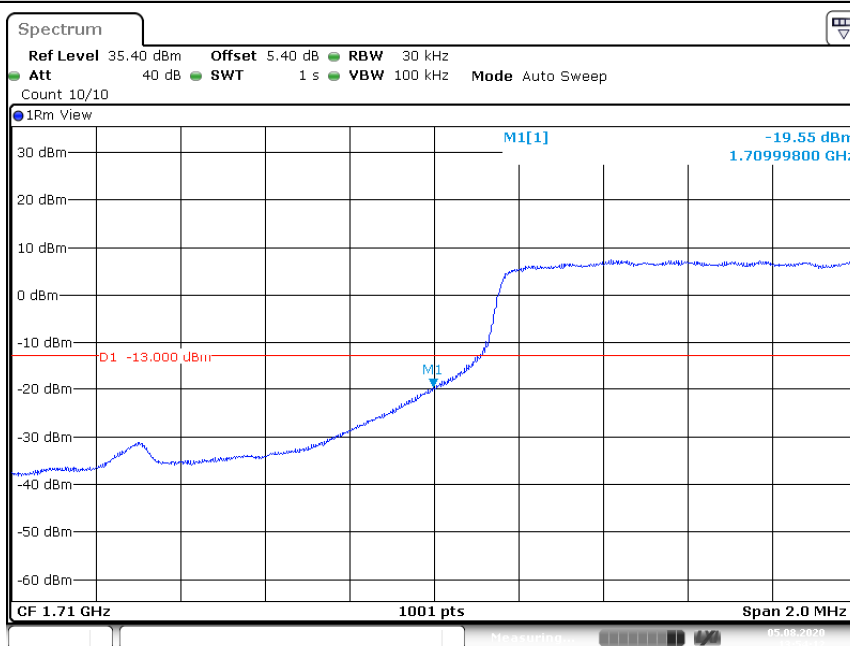


Band66-1.4MHz-16QAM-131979-1RB#0



Date: 5.AUG.2020 13:53:52

Band66-1.4MHz-16QAM-131979-6RB#0



Date: 5.AUG.2020 13:54:12



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Band66-1.4MHz-16QAM-132665-1RB#5



Date: 5 AUG 2020 13:54:44

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Date: 5.AUG.2020 13:55:05



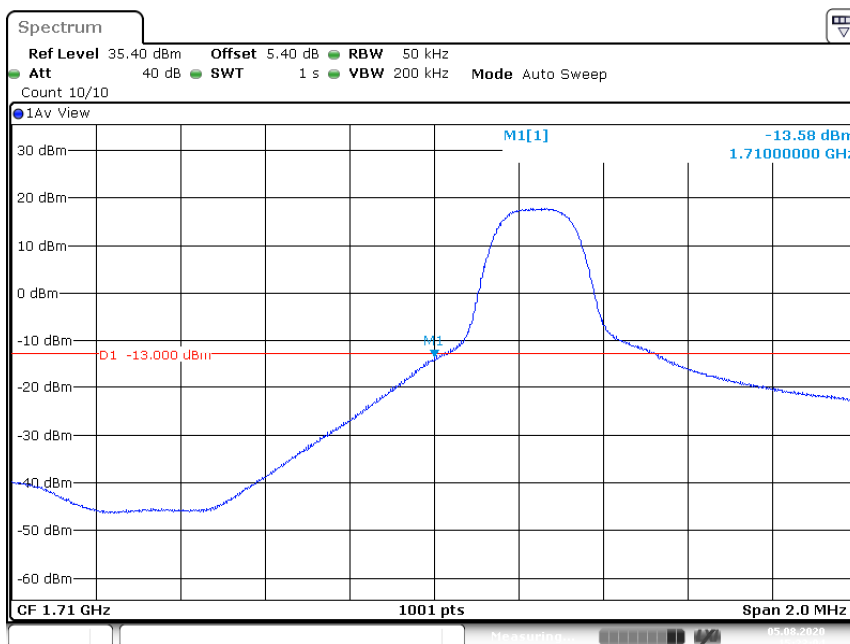
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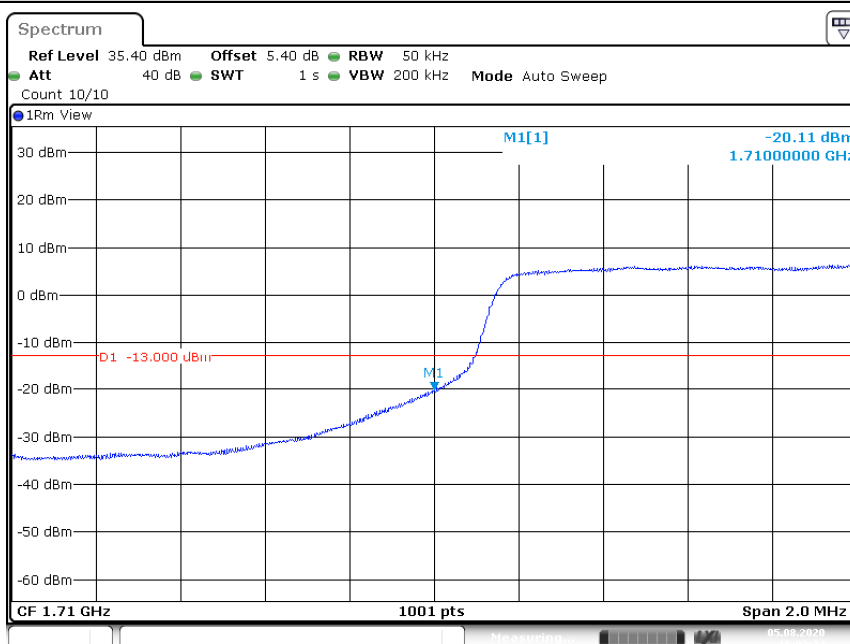
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Band66-3MHz-QPSK-131987-1RB#0



Date: 5.AUG.2020 15:23:04

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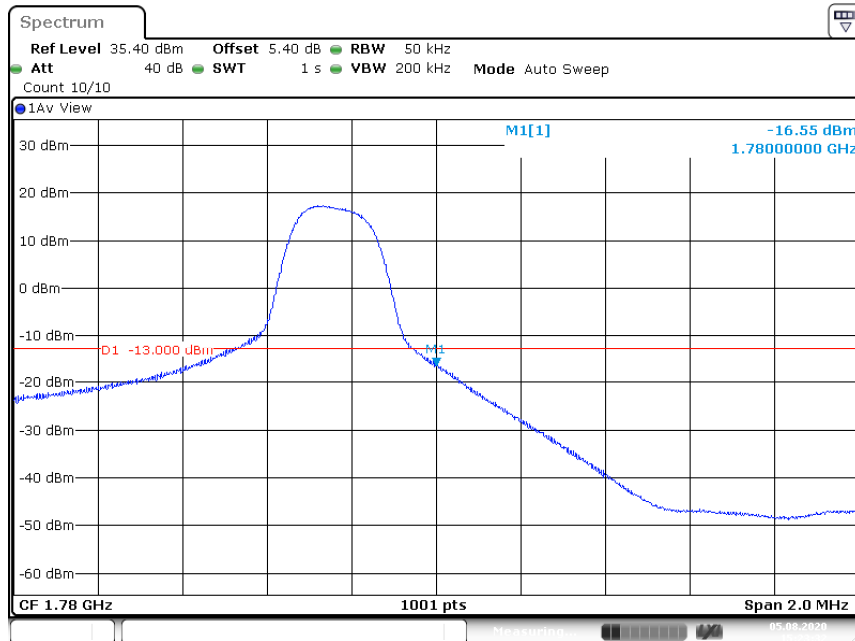


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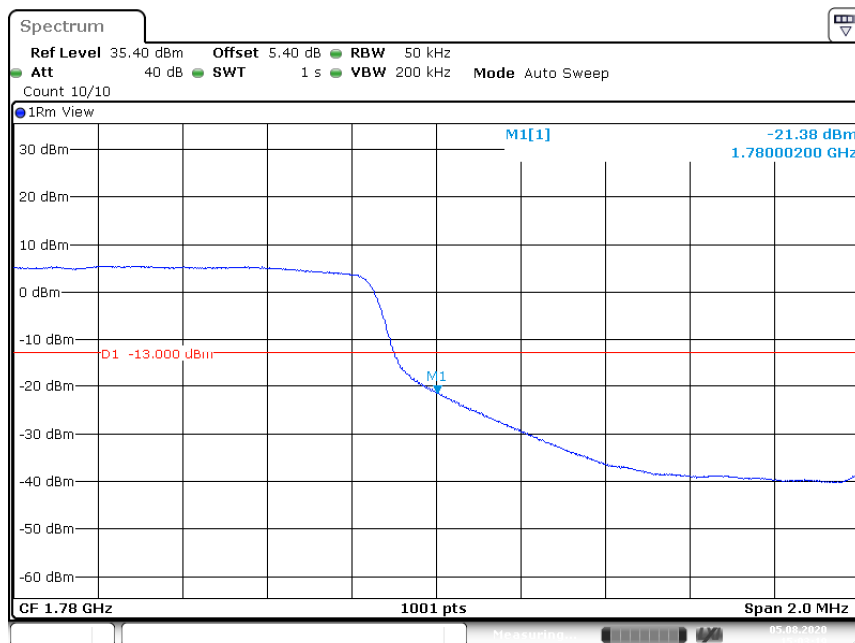


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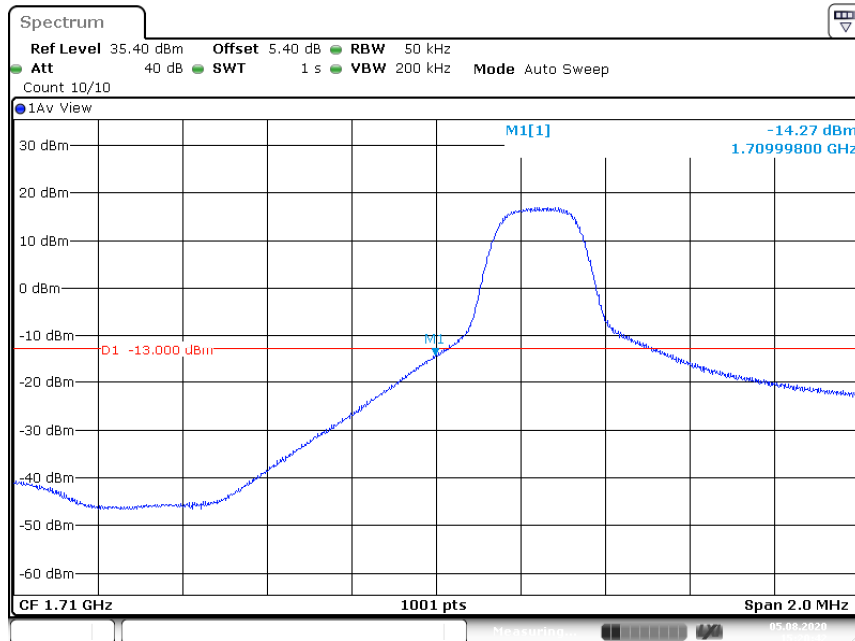
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Date: 5.AUG.2020 15:03:20

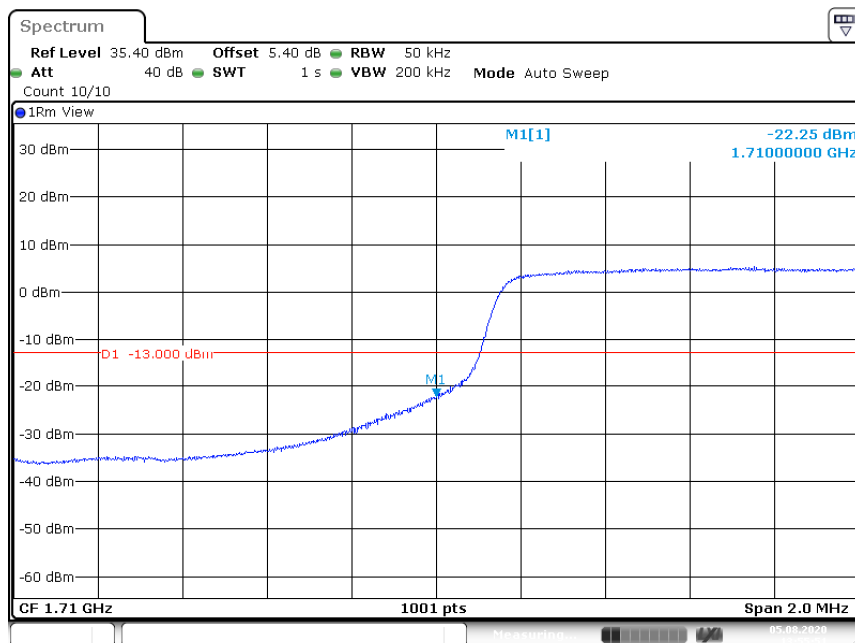


Band66-3MHz-16QAM-131987-1RB#0



Date: 5.AUG.2020 15:20:42

Band66-3MHz-16QAM-131987-15RB#0

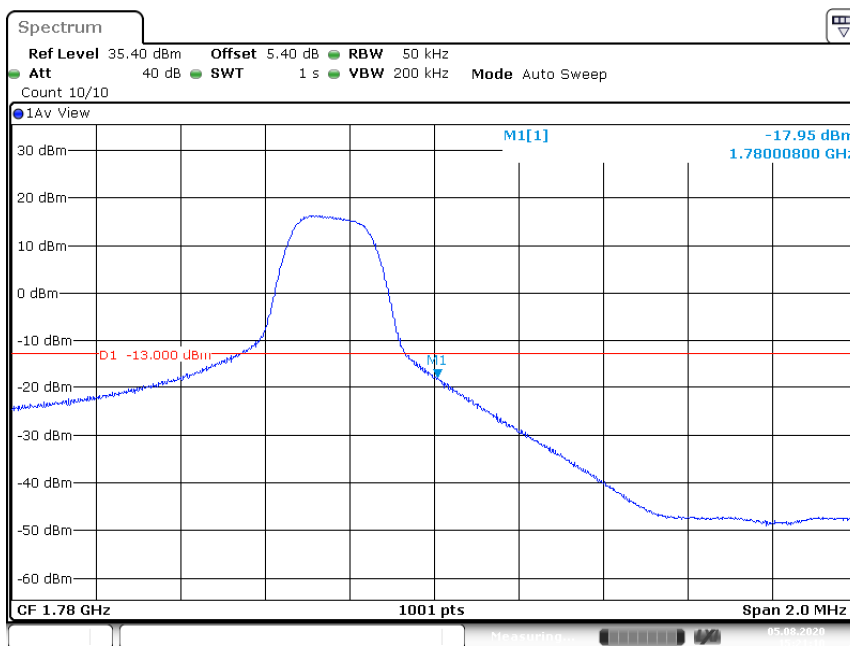


Date: 5.AUG.2020 13:55:51





Band66-3MHz-16QAM-132657-1RB#14



Date: 5.AUG.2020 15:21:11

Band66-3MHz-16QAM-132657-15RB#0



Date: 5.AUG.2020 13:56:37



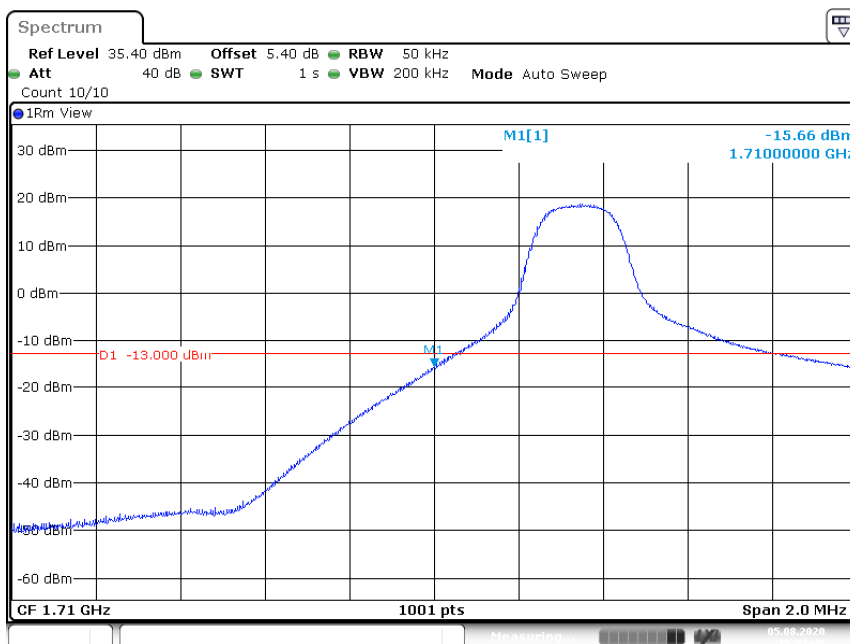
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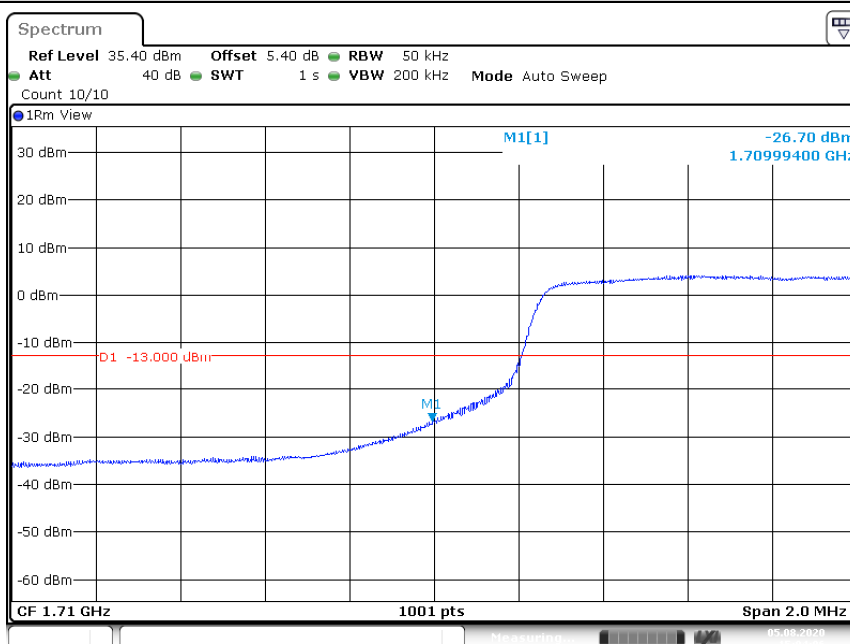


Band66-5MHz-QPSK-131997-1RB#0



Date: 5.AUG.2020 15:03:46

Band66-5MHz-QPSK-131997-25RB#0



Date: 5.AUG.2020 15:04:07



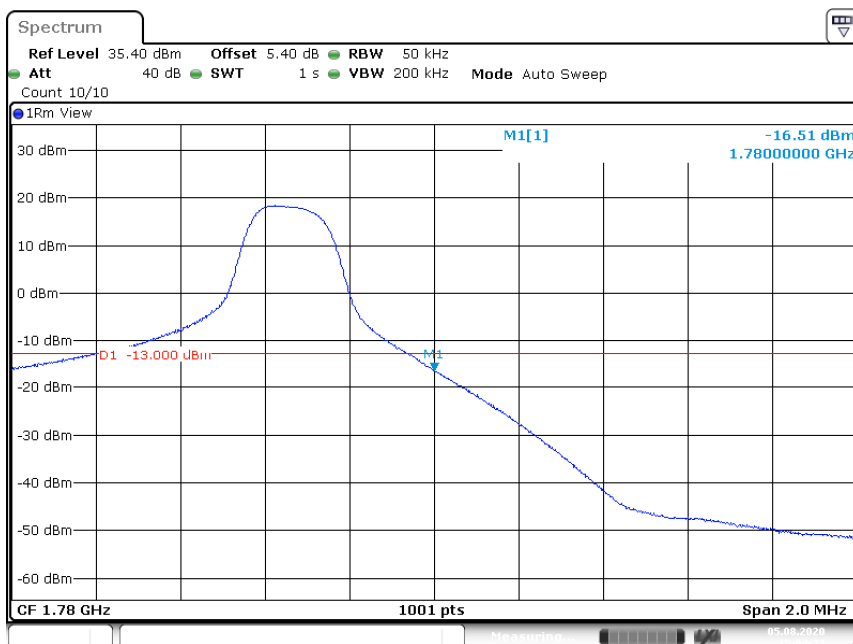
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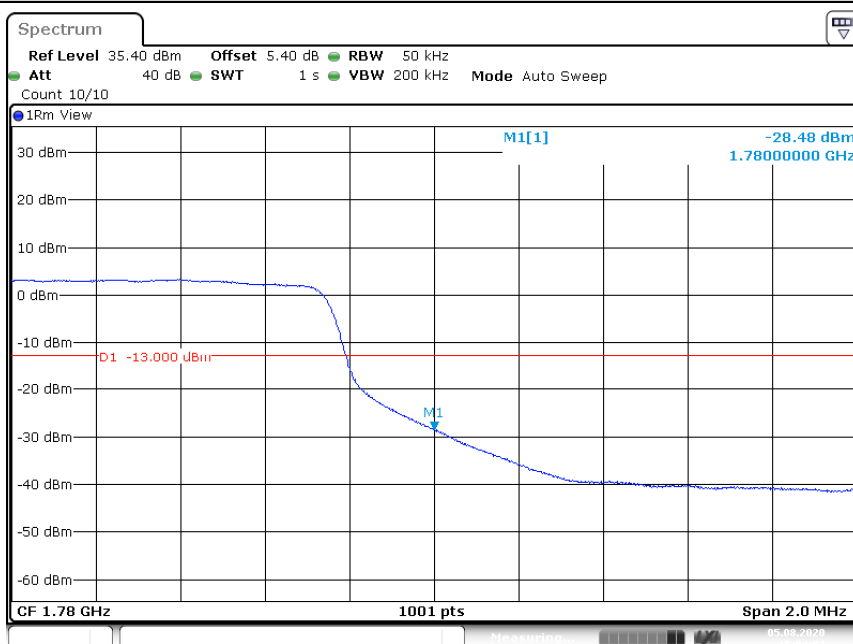


Band66-5MHz-QPSK-132647-1RB#24



Date: 5.AUG.2020 15:04:32

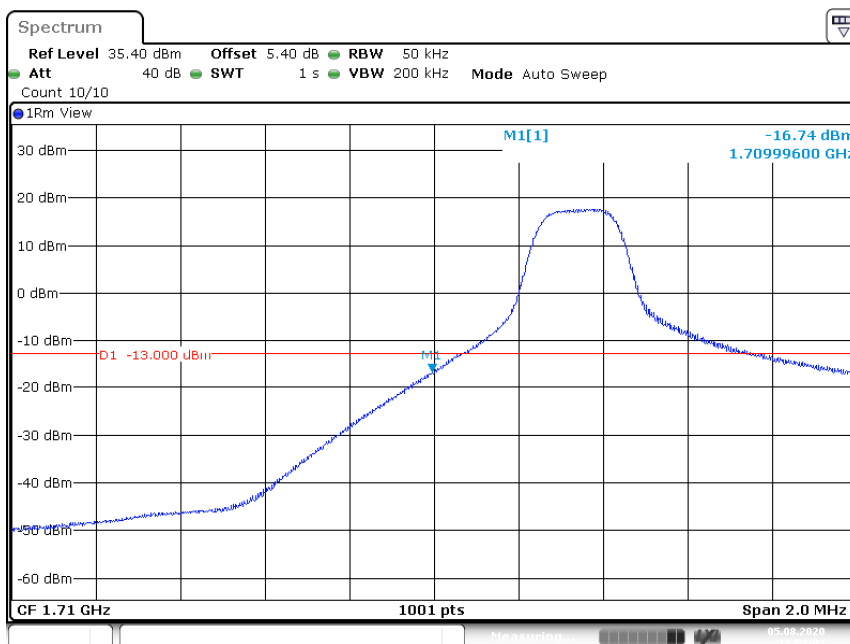
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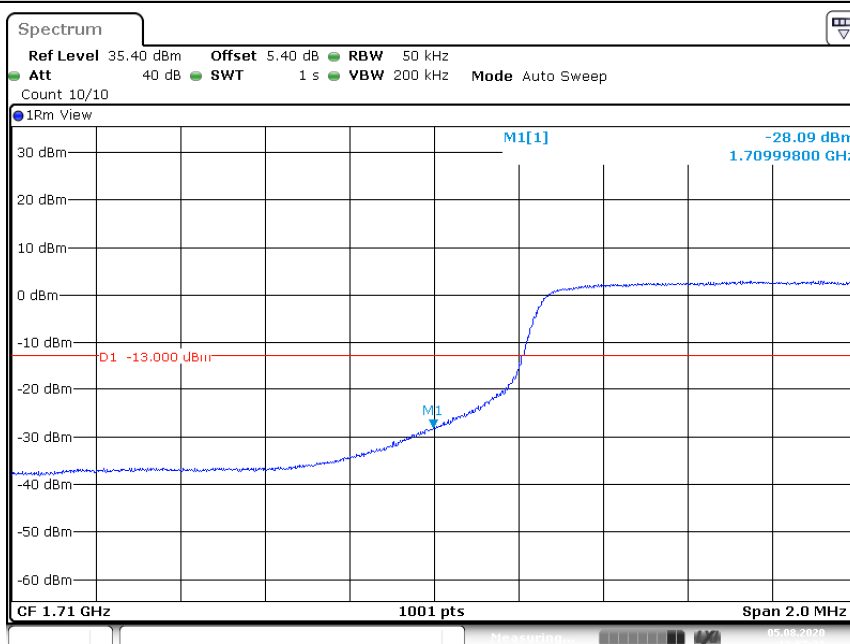


Band66-5MHz-16QAM-131997-1RB#0



Date: 5.AUG.2020 13:57:03

Band66-5MHz-16QAM-131997-25RB#0



Date: 5.AUG.2020 13:57:23

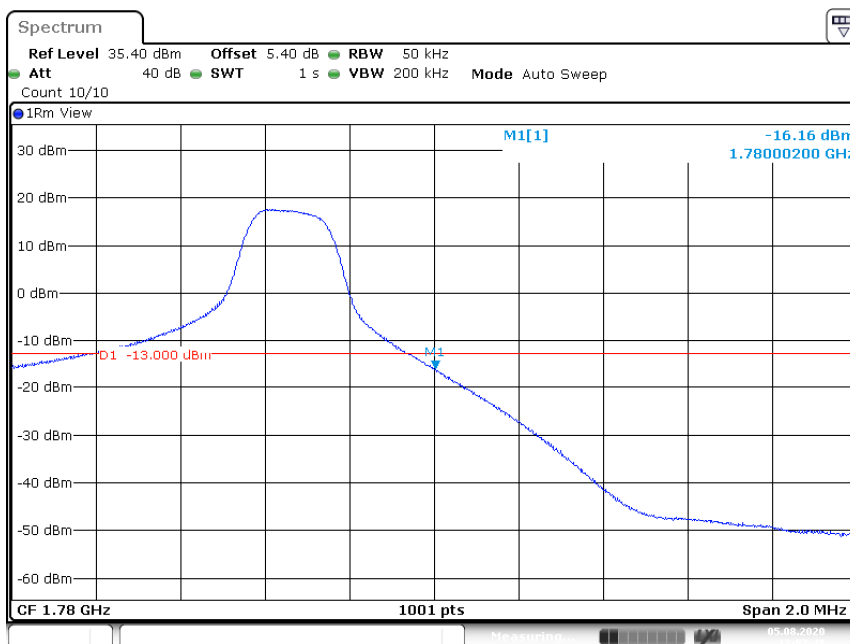


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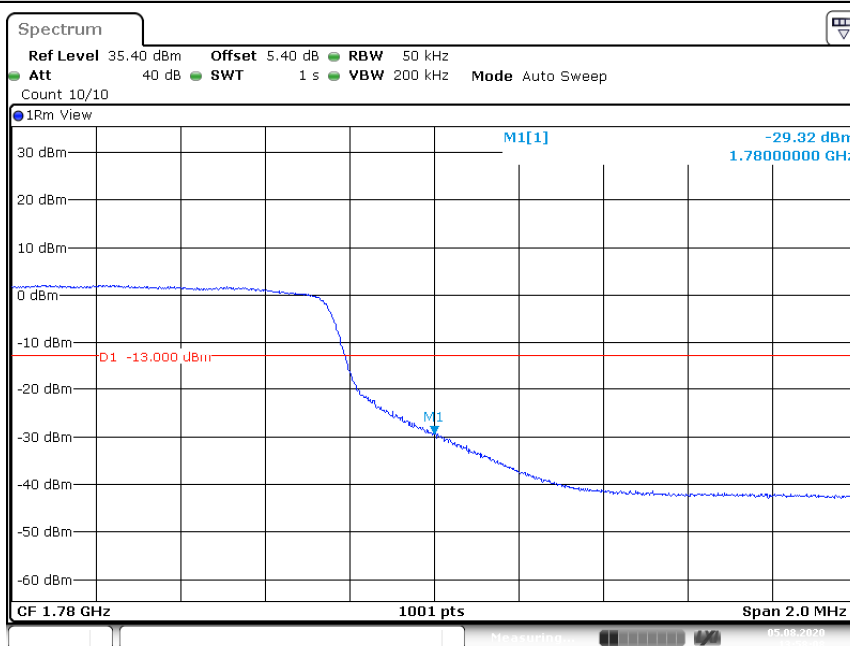


Band66-5MHz-16QAM-132647-1RB#24



Date: 5.AUG.2020 13:57:48

Band66-5MHz-16QAM-132647-25RB#0



Date: 5.AUG.2020 13:58:09

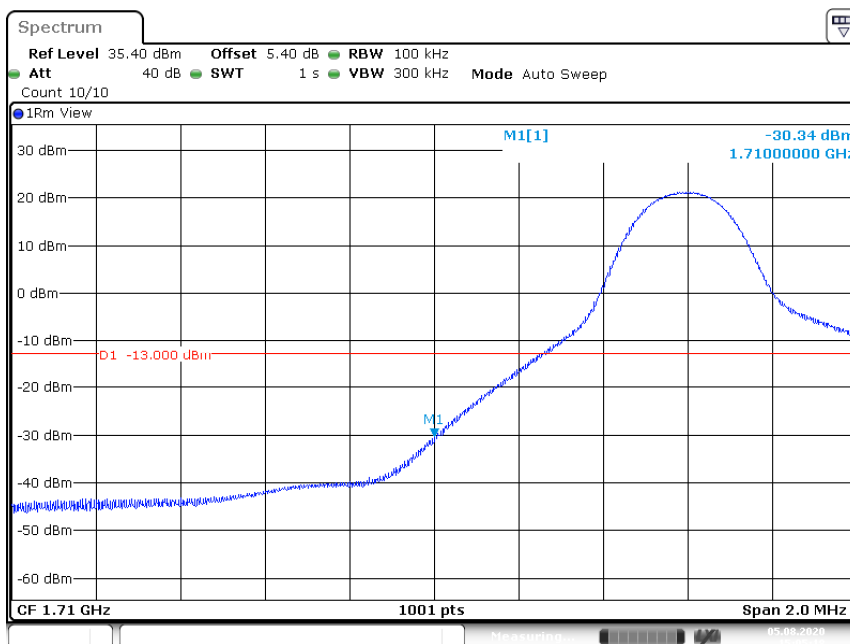


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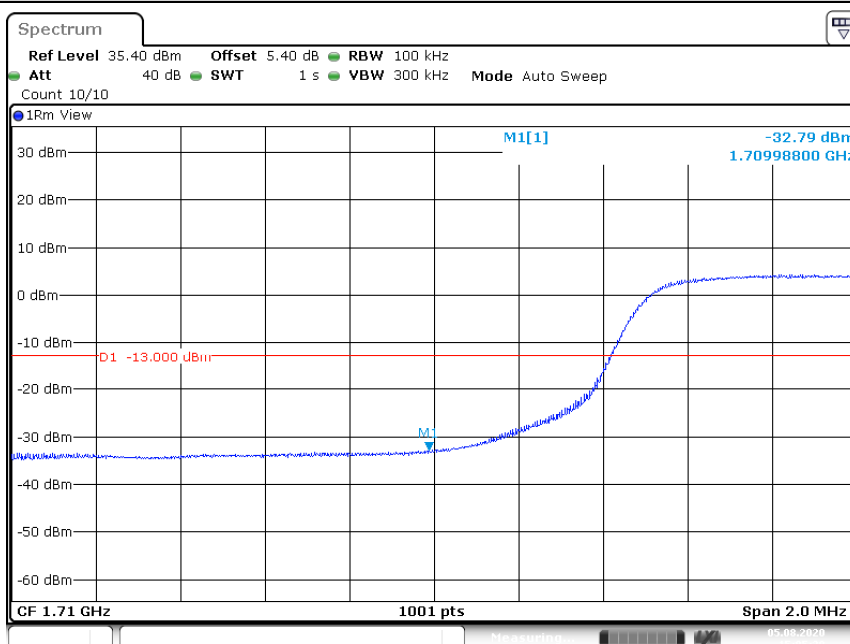


Band66-10MHz-QPSK-132022-1RB#0



Date: 5.AUG.2020 15:05:19

Band66-10MHz-QPSK-132022-50RB#0



Date: 5.AUG.2020 15:05:39



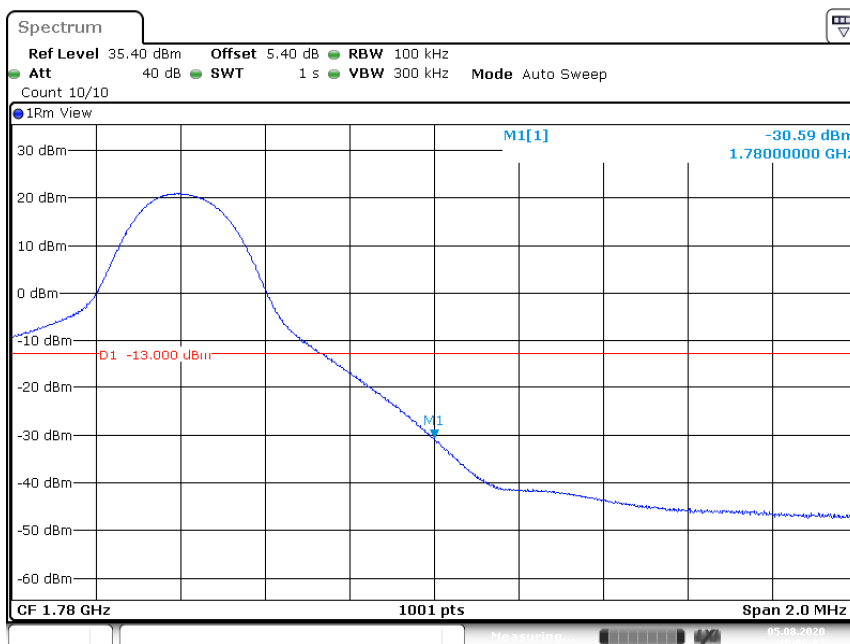
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Band66-10MHz-QPSK-132622-1RB#49



Date: 5.AUG.2020 15:06:04

Band66-10MHz-QPSK-132622-50RB#0



Date: 5.AUG.2020 15:06:25



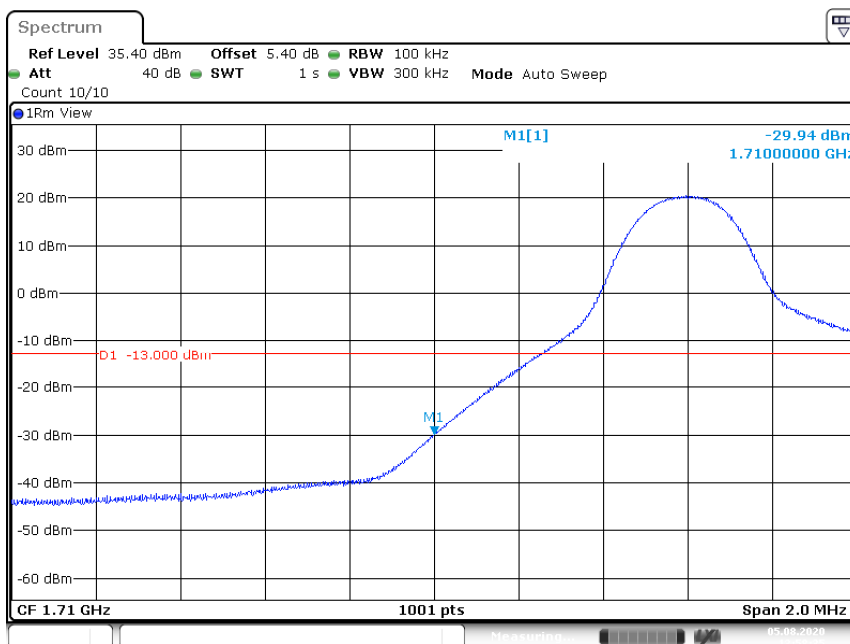
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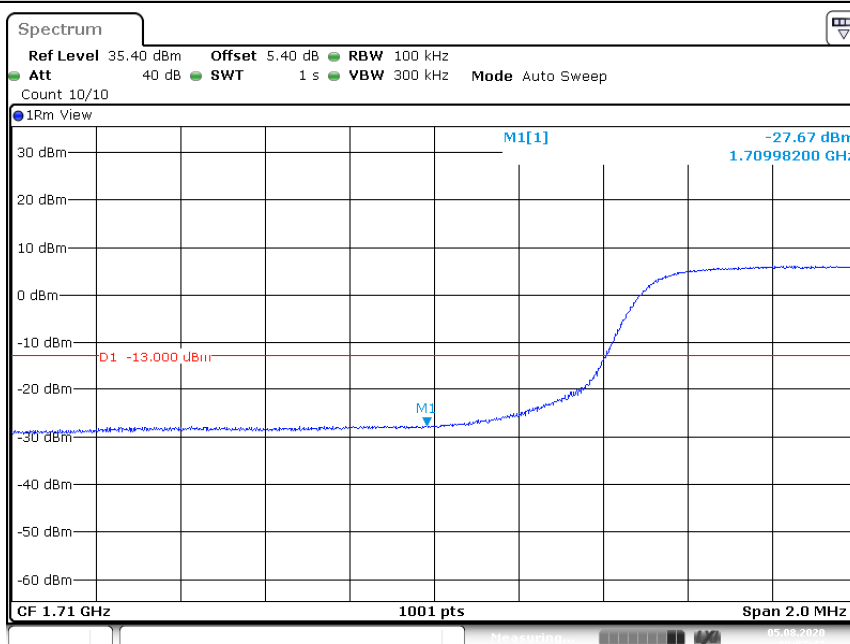


Band66-10MHz-16QAM-132022-1RB#0



Date: 5.AUG.2020 13:58:35

Band66-10MHz-16QAM-132022-32RB#0



Date: 5.AUG.2020 09:07:47



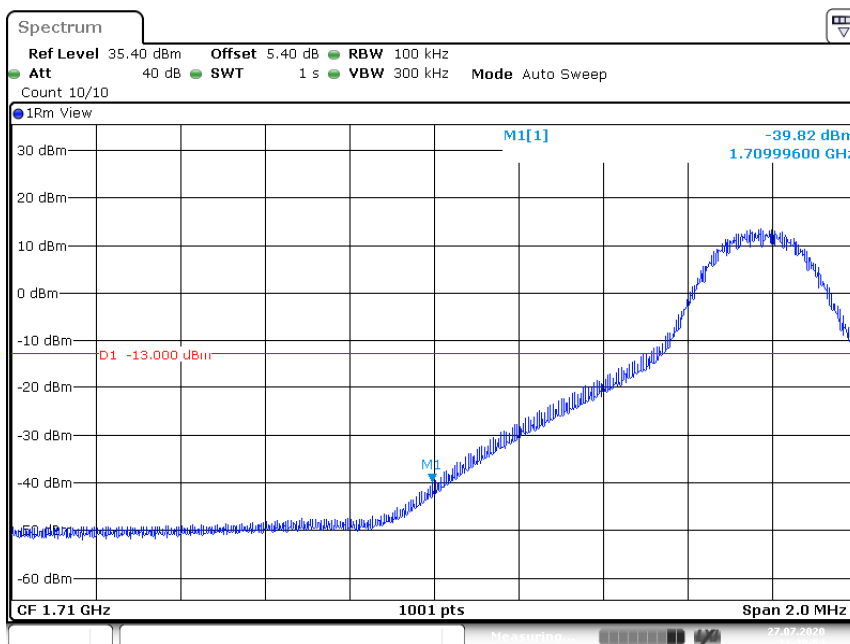
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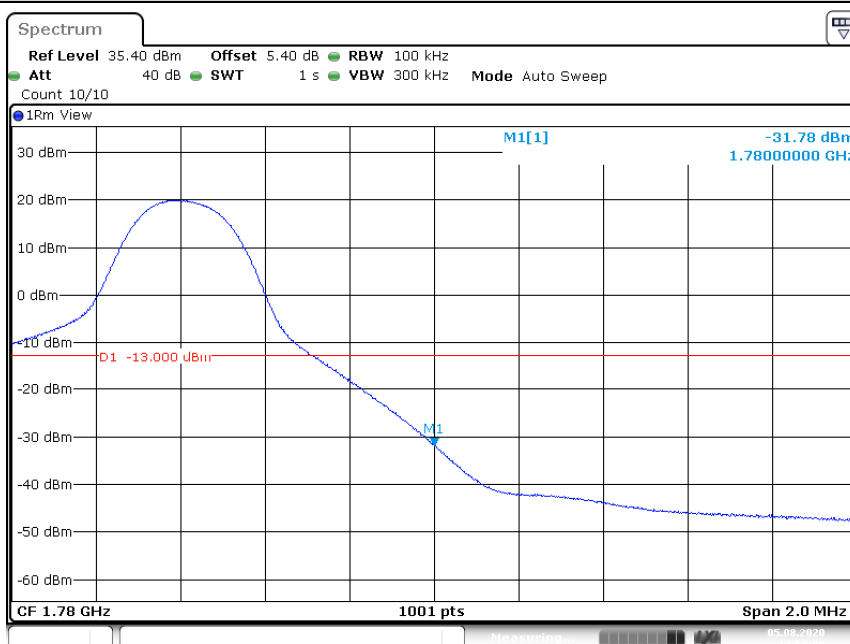


Band66-10MHz-16QAM-132022-50RB#0



Date: 27.JUL.2020 21:29:55

Band66-10MHz-16QAM-132622-1RB#49



Date: 5.AUG.2020 13:59:01



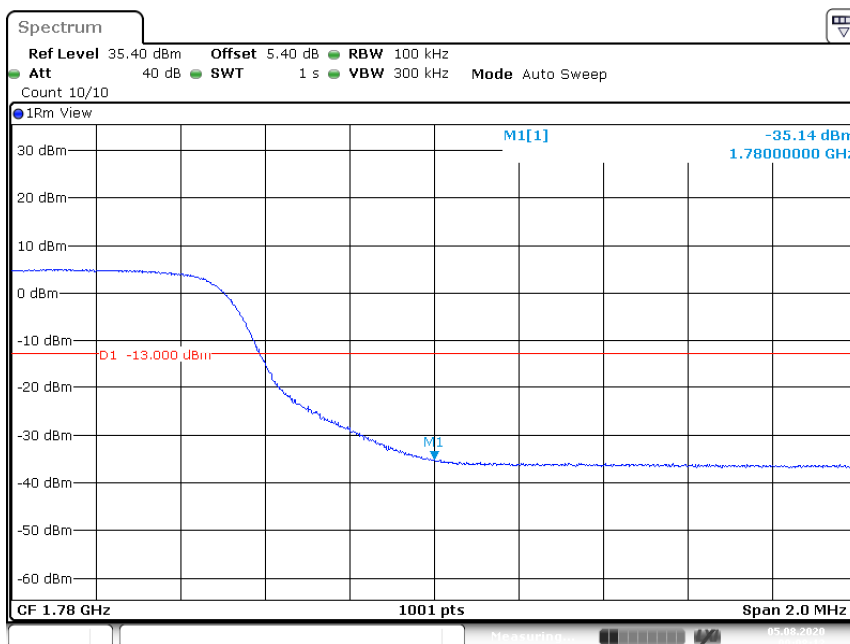
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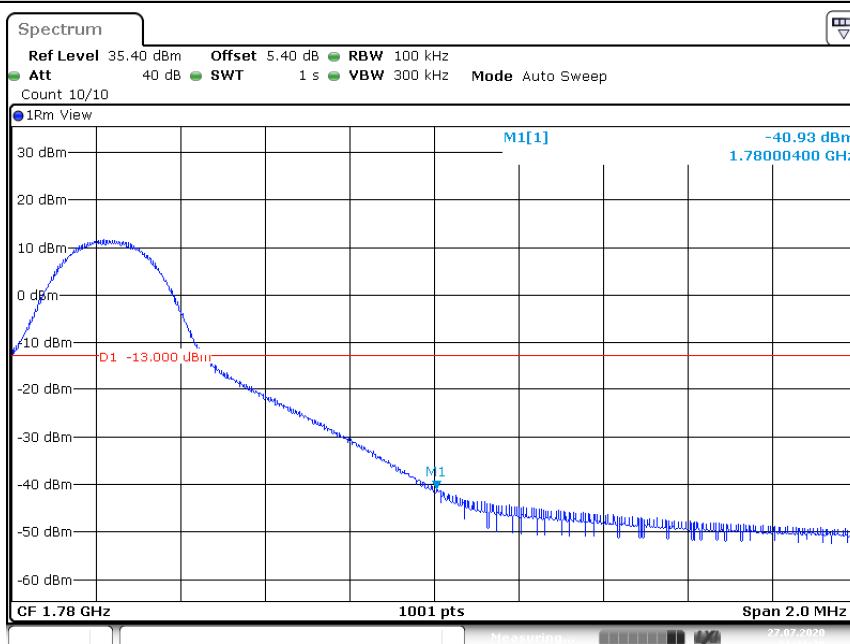


Band66-10MHz-16QAM-132622-32RB#18



Date: 5.AUG.2020 09:08:12

Band66-10MHz-16QAM-132622-50RB#0



Date: 27.JUL.2020 21:31:30



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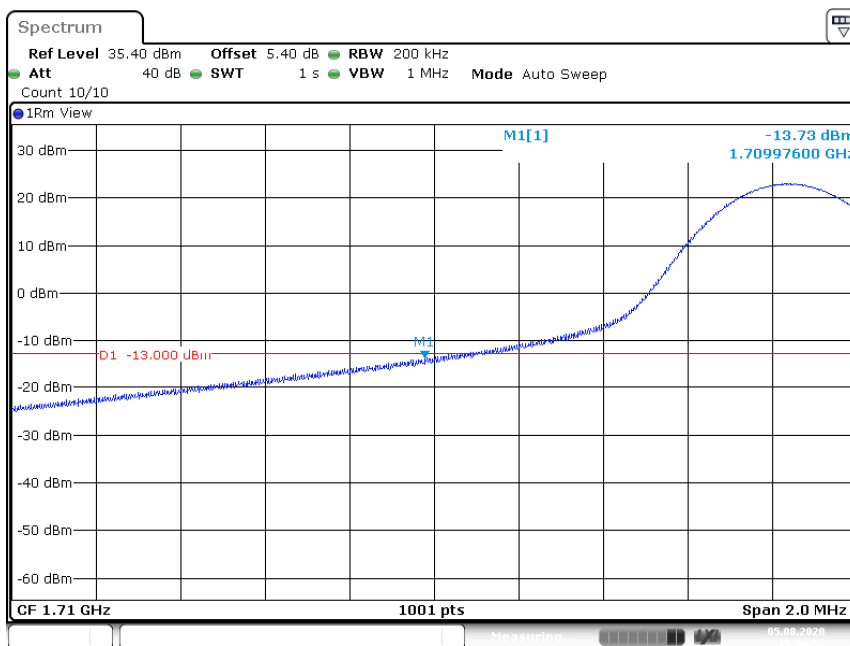
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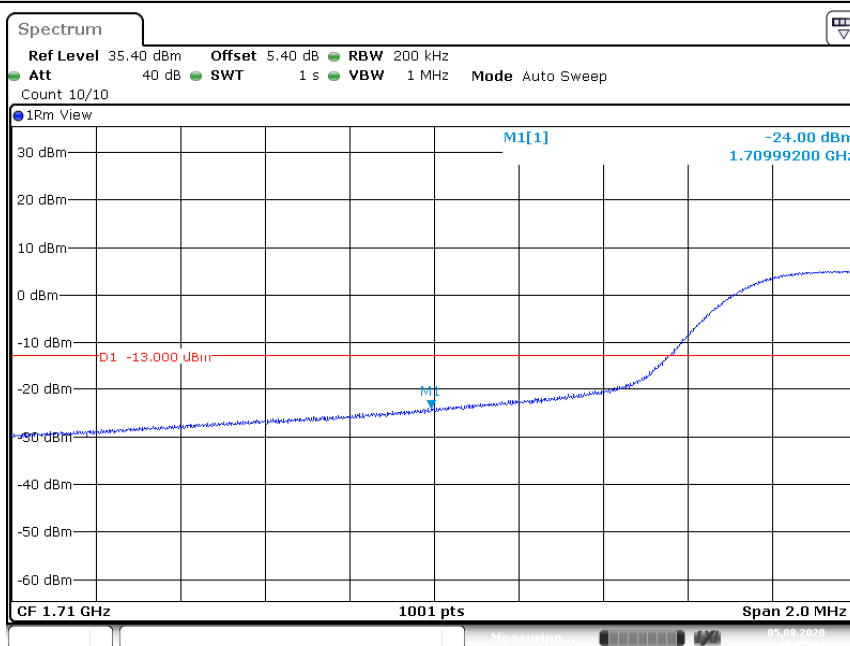


Band66-15MHz-QPSK-132047-1RB#0



Date: 5.AUG.2020 15:06:51

Band66-15MHz-QPSK-132047-75RB#0



Date: 5.AUG.2020 15:07:12



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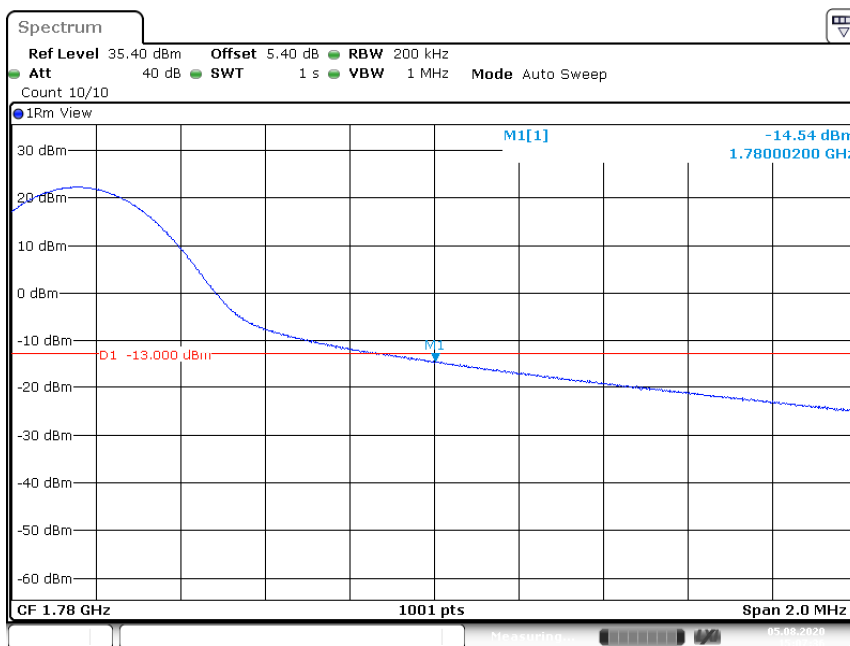
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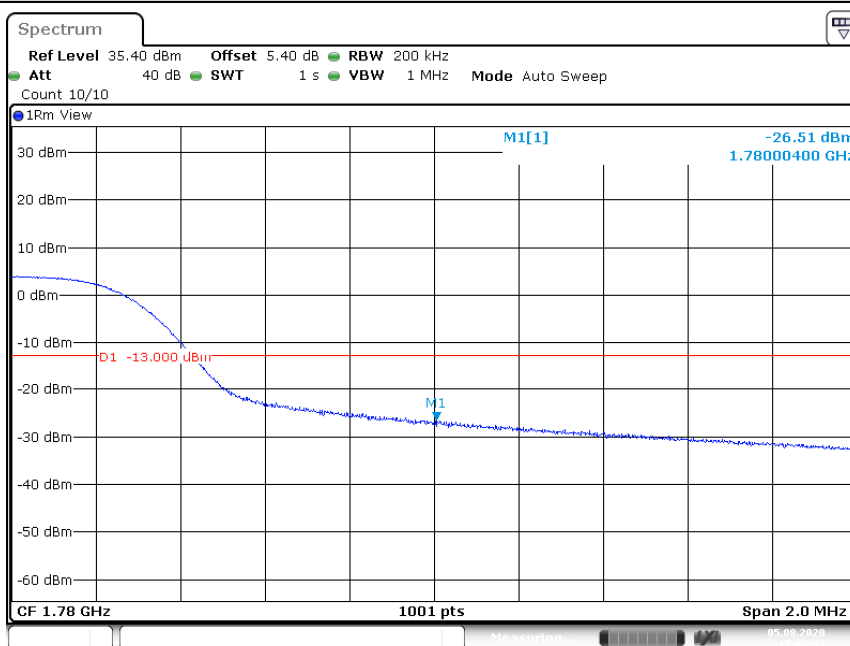


Band66-15MHz-QPSK-132597-1RB#74



Date: 5.AUG.2020 15:07:36

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Date: 5.AUG.2020 15:07:57



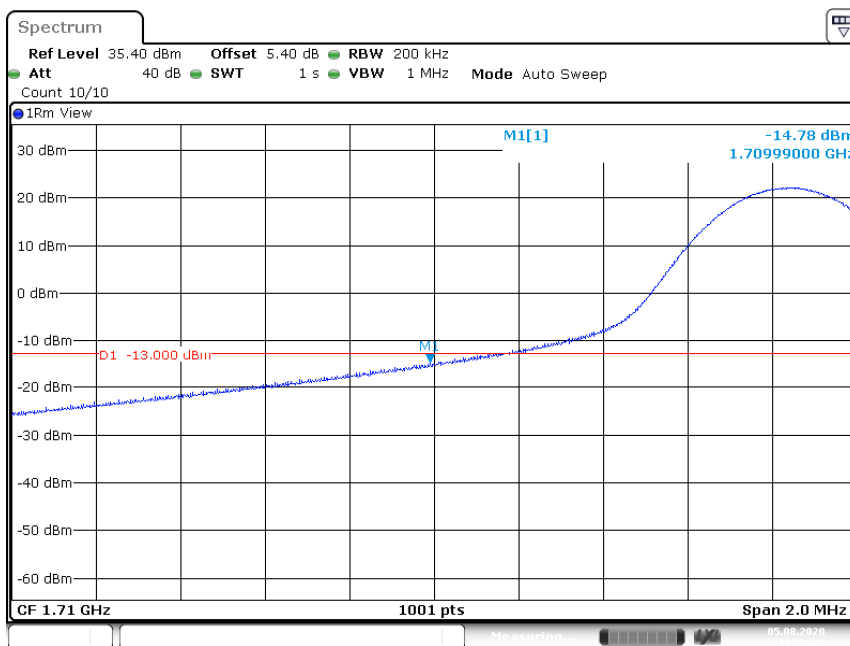
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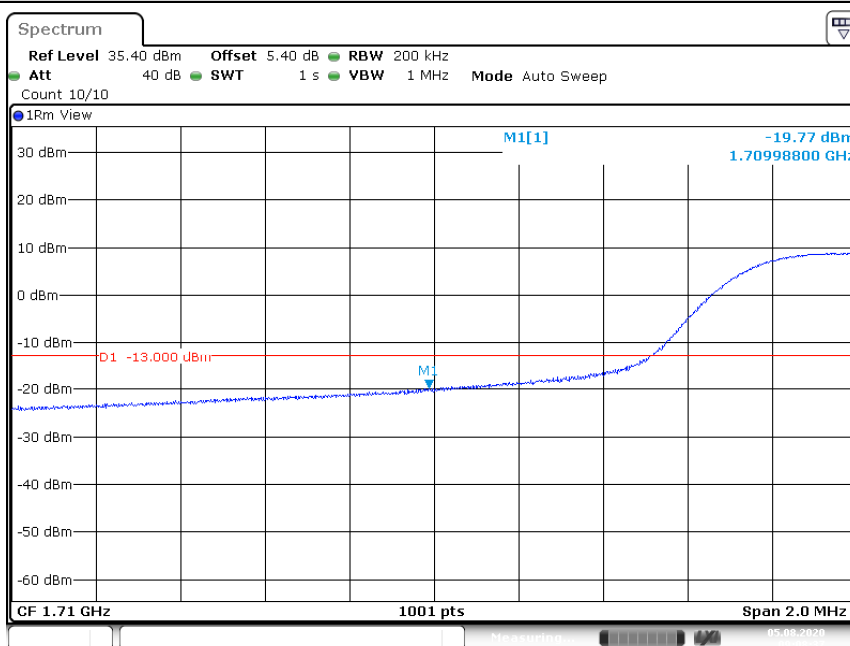


Band66-15MHz-16QAM-132047-1RB#0



Date: 5.AUG.2020 13:59:27

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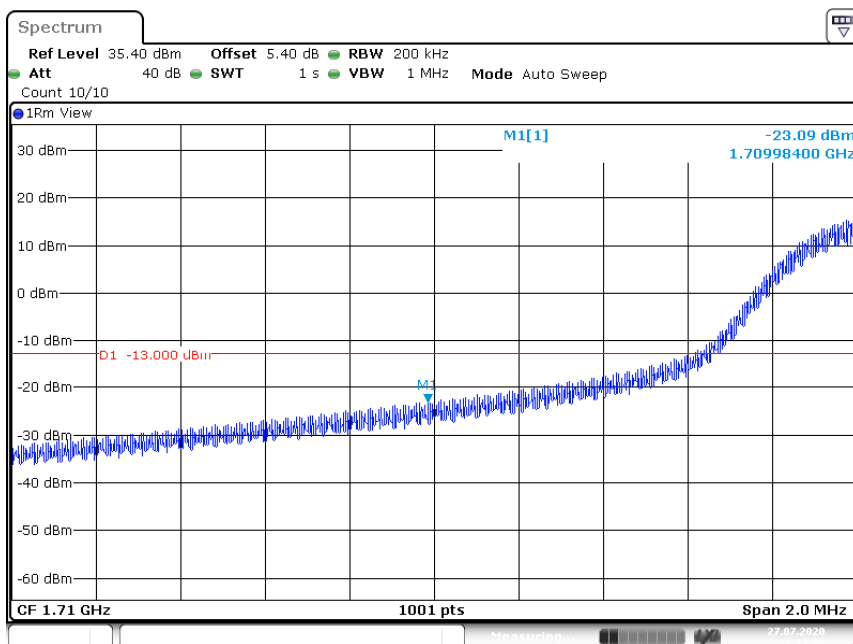
Date: 5.AUG.2020 09:08:38



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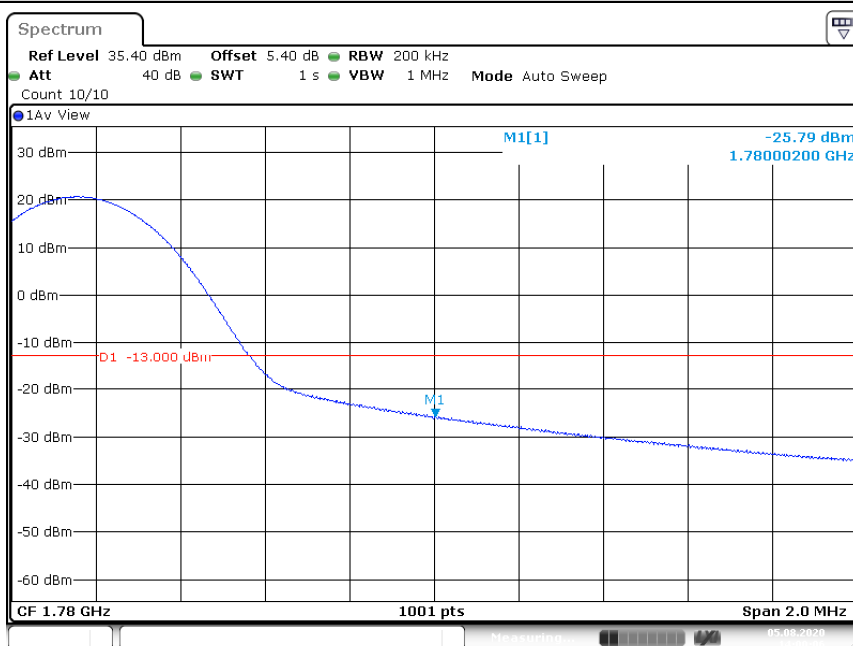
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Band66-15MHz-16QAM-132047-75RB#0



Date: 27.JUL.2020 21:32:57

Band66-15MHz-16QAM-132597-1RB#74



Date: 5.AUG.2020 14:00:06



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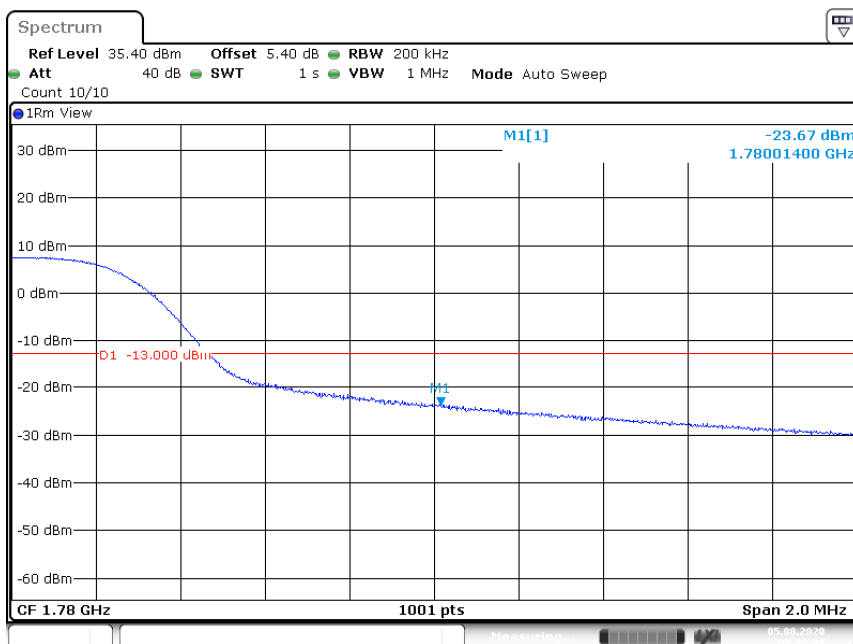
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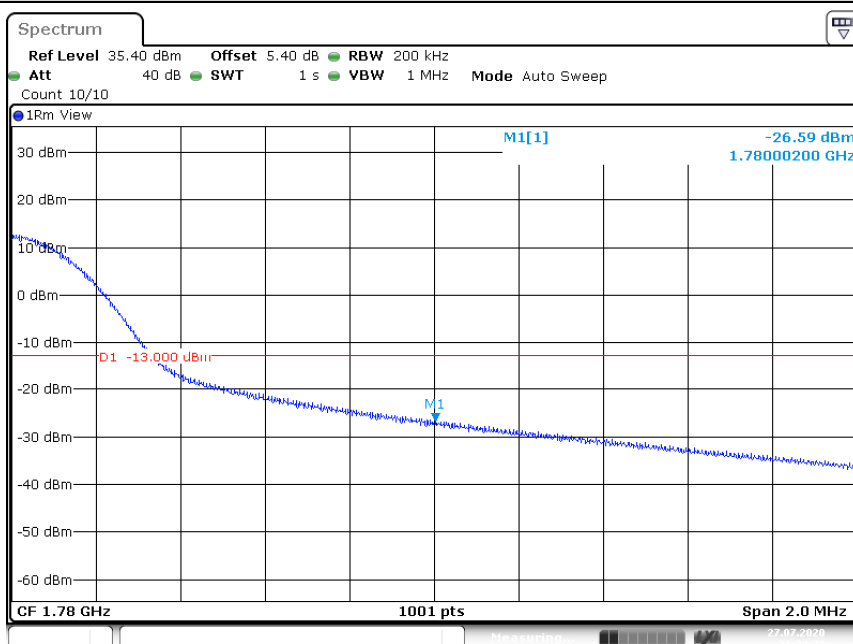


Band66-15MHz-16QAM-132597-32RB#43



Date: 5.AUG.2020 09:09:03

Band66-15MHz-16QAM-132597-75RB#0

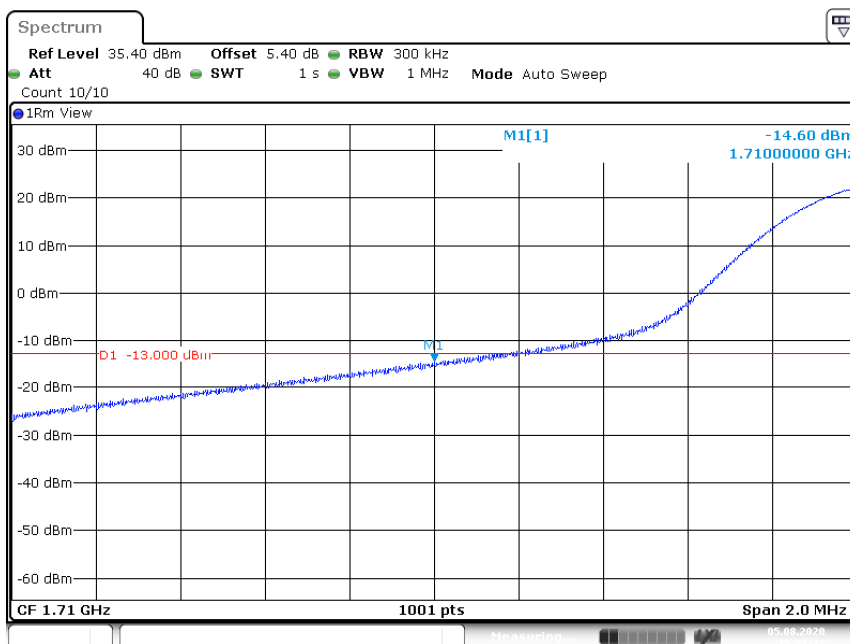


Date: 27.JUL.2020 21:34:23



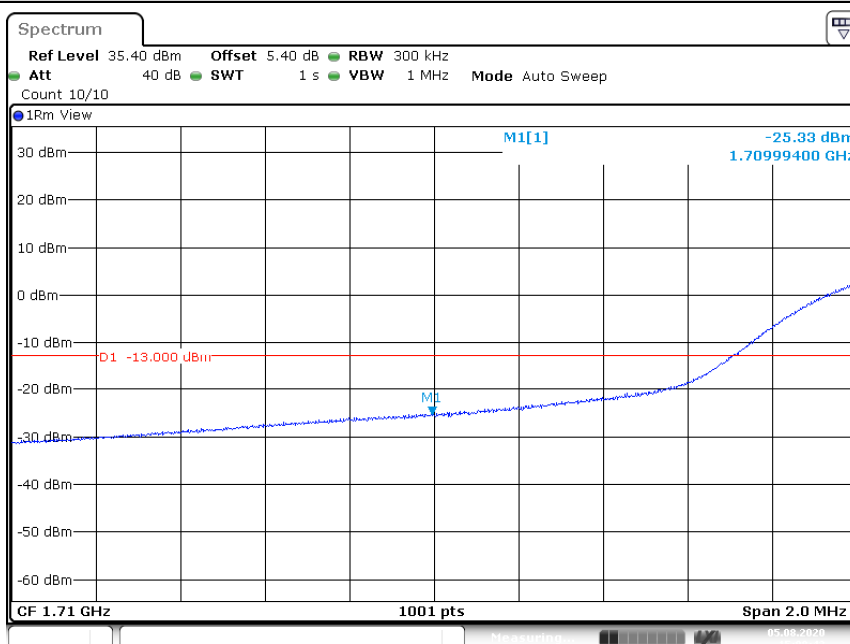


Band66-20MHz-QPSK-132072-1RB#0



Date: 5.AUG.2020 15:08:23

Band66-20MHz-QPSK-132072-100RB#0

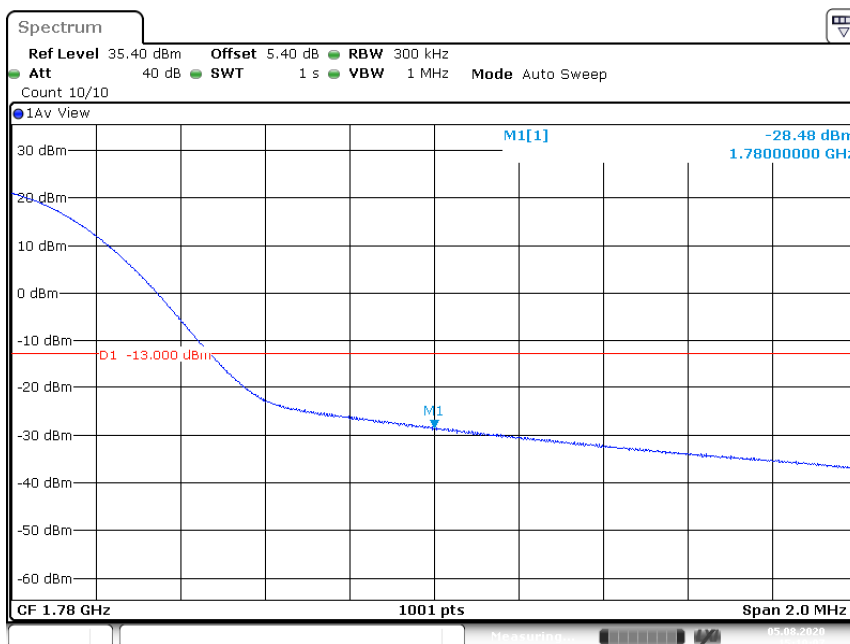


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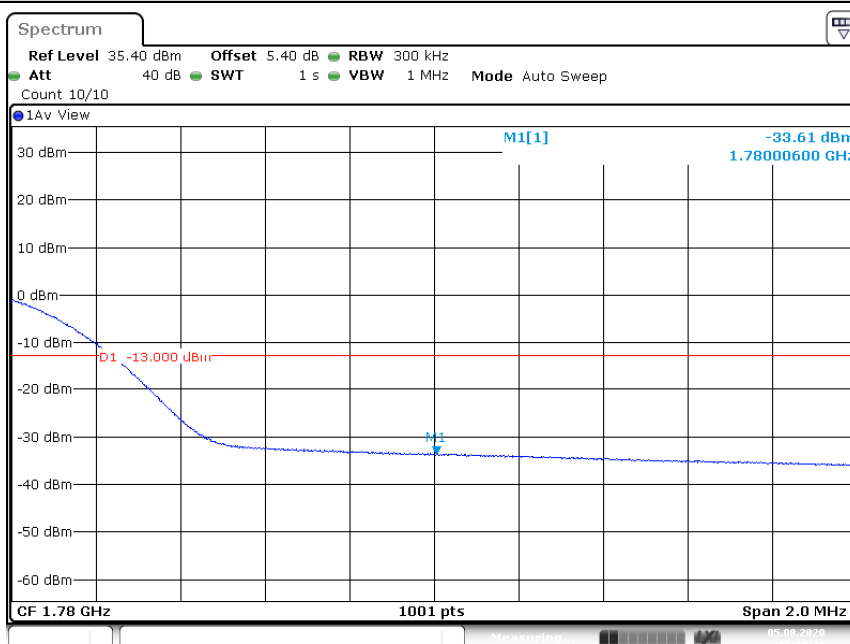


Band66-20MHz-QPSK-132572-1RB#99



Date: 5.AUG.2020 15:10:07

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



Date: 5.AUG.2020 15:10:27



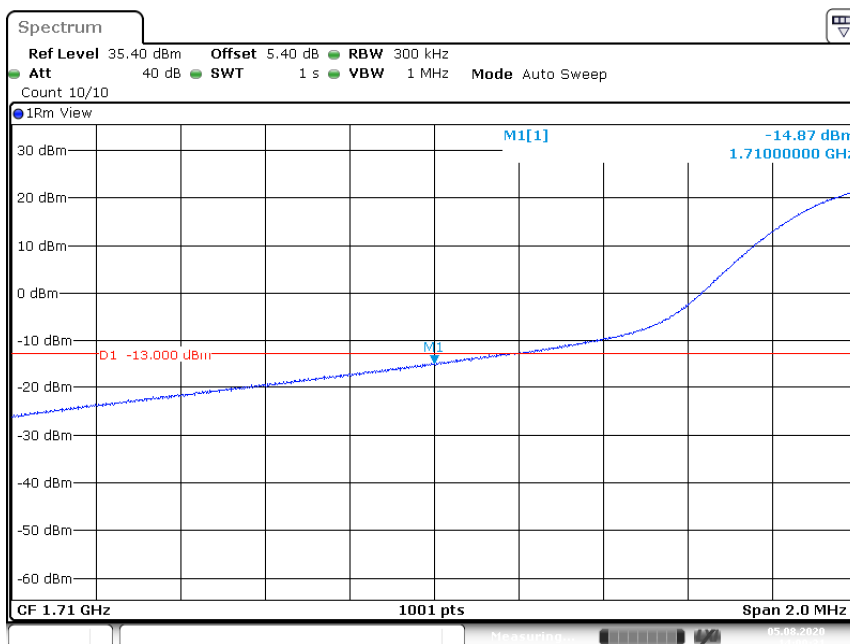
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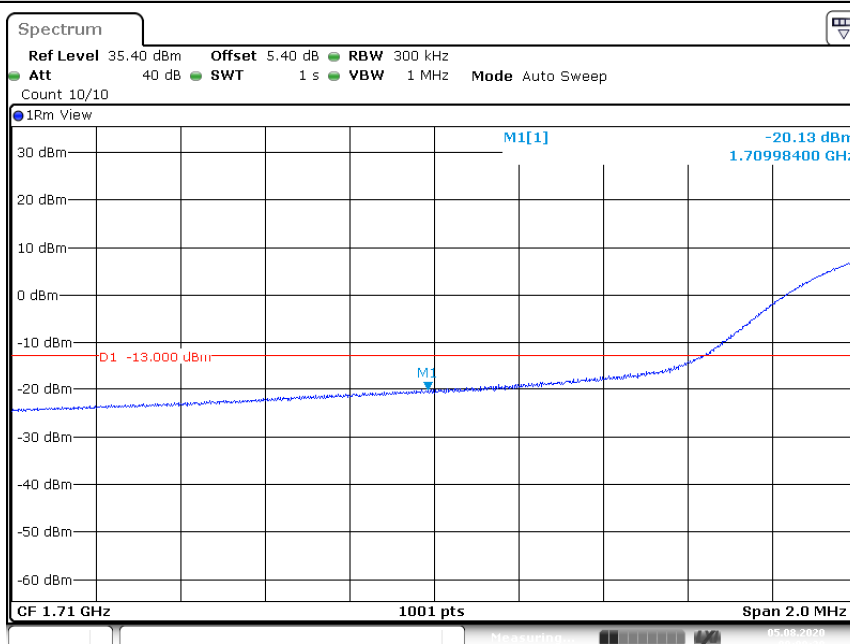


Band66-20MHz-16QAM-132072-1RB#0



Date: 5.AUG.2020 14:00:32

Band66-20MHz-16QAM-132072-32RB#0

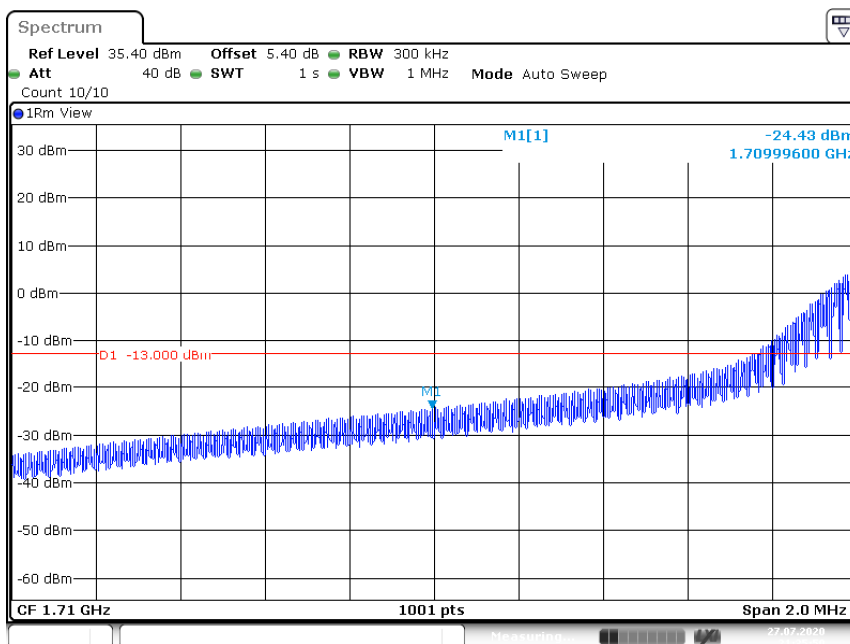


Date: 5.AUG.2020 09:09:29



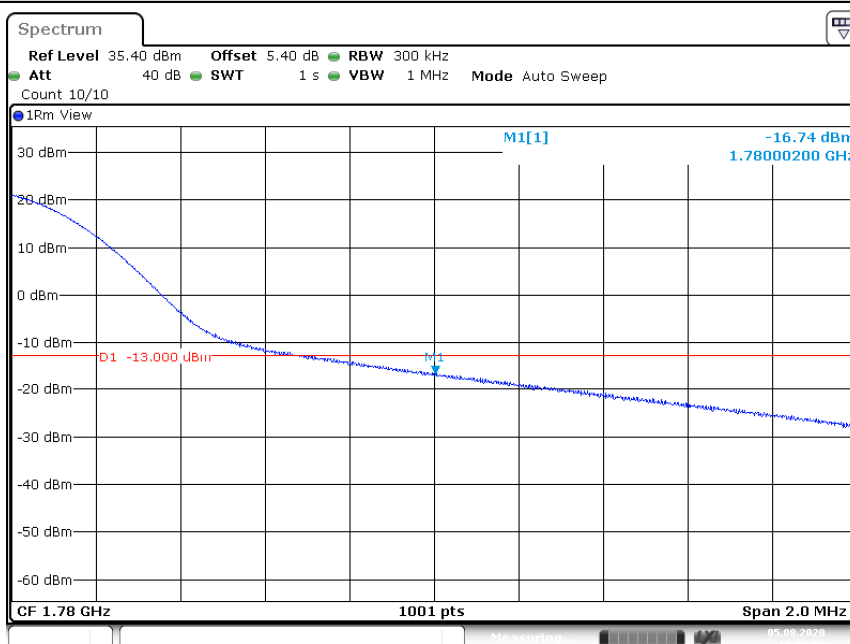


Band66-20MHz-16QAM-132072-100RB#0



Date: 27.JUL.2020 21:35:51

Band66-20MHz-16QAM-132572-1RB#99



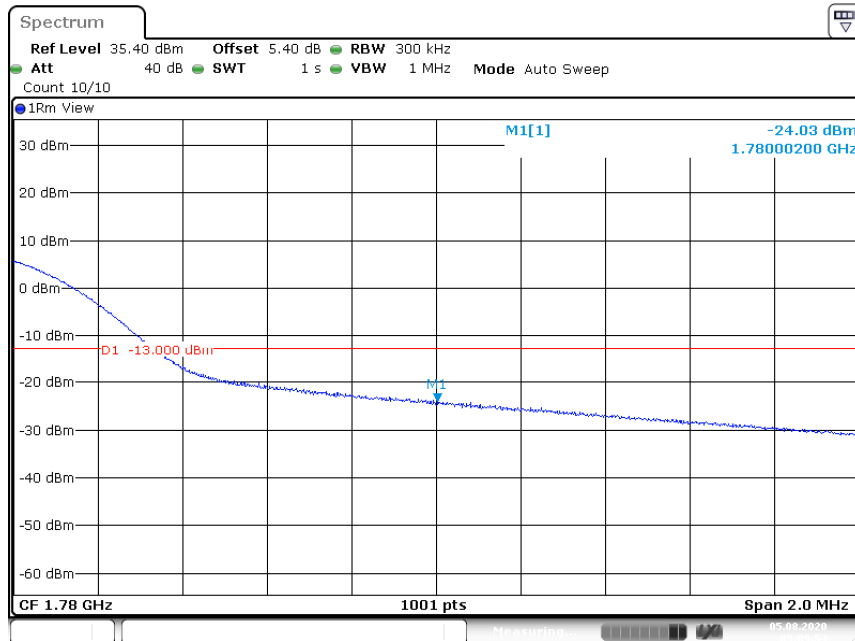
Date: 5.AUG.2020 14:00:59



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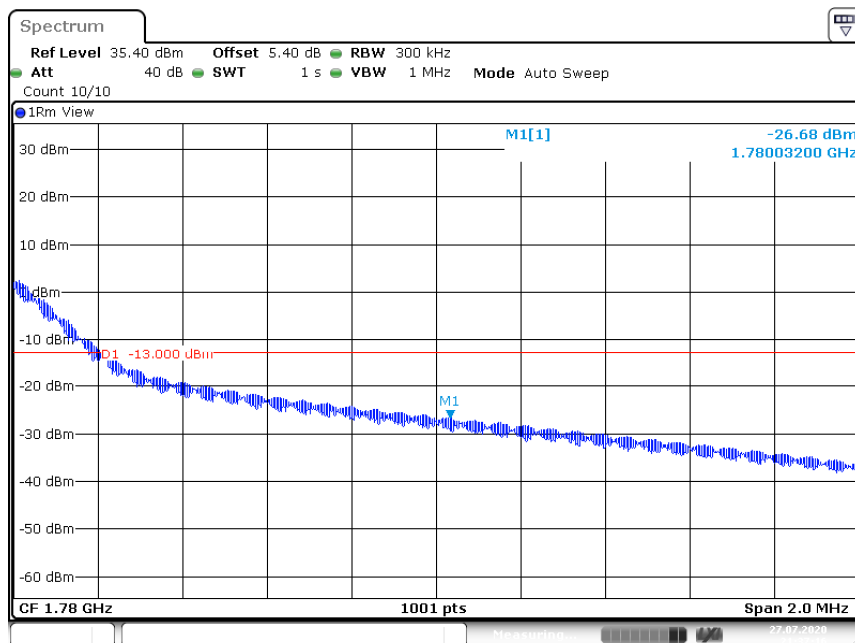


Band66-20MHz-16QAM-132572-32RB#68



Date: 5.AUG.2020 09:09:54

Band66-20MHz-16QAM-132572-100RB#0



Date: 27.JUL.2020 21:37:17

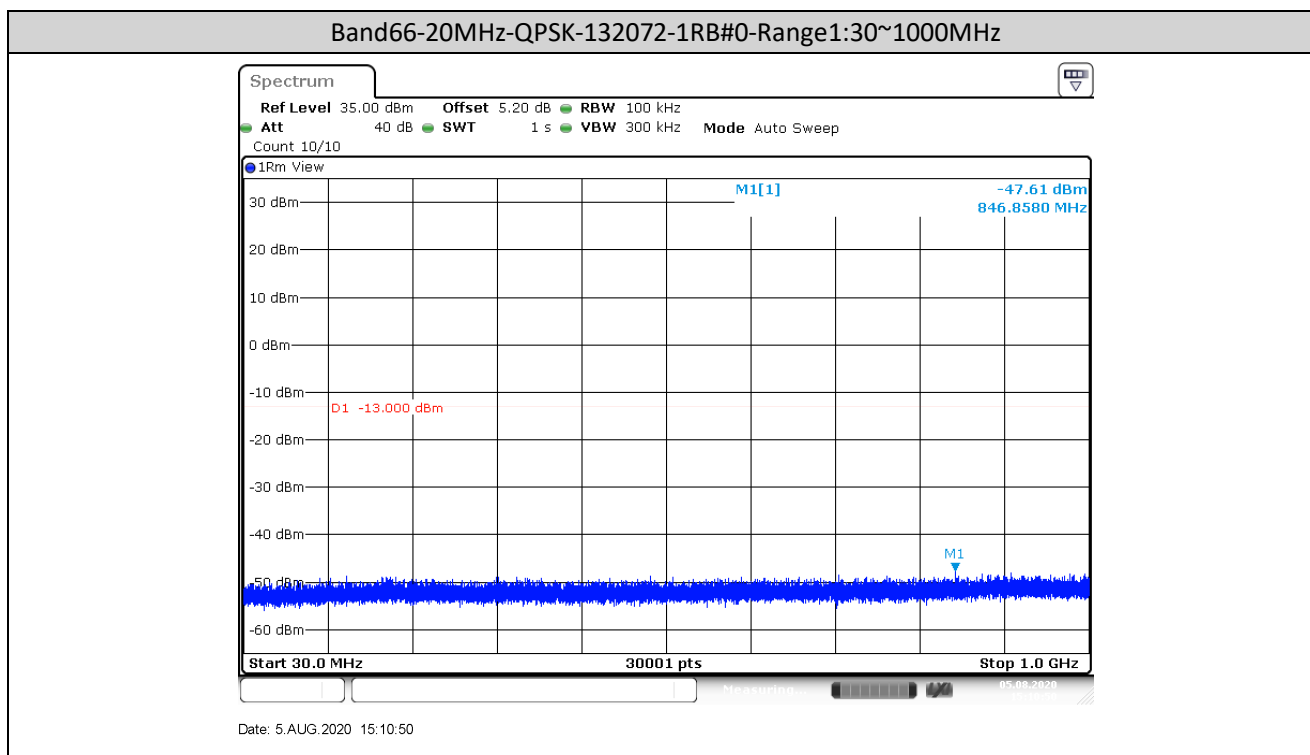


6. Spurious Emission at Antenna Terminal

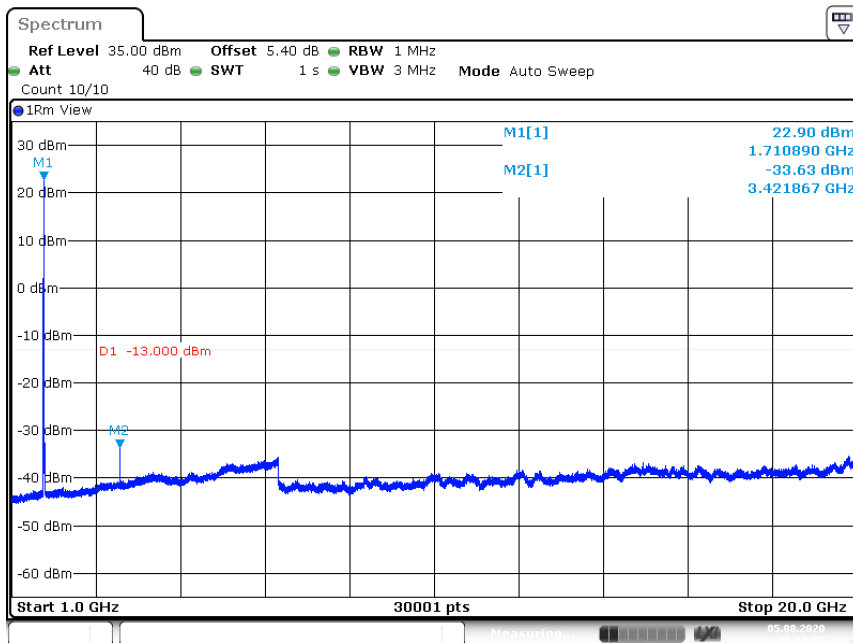
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " 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

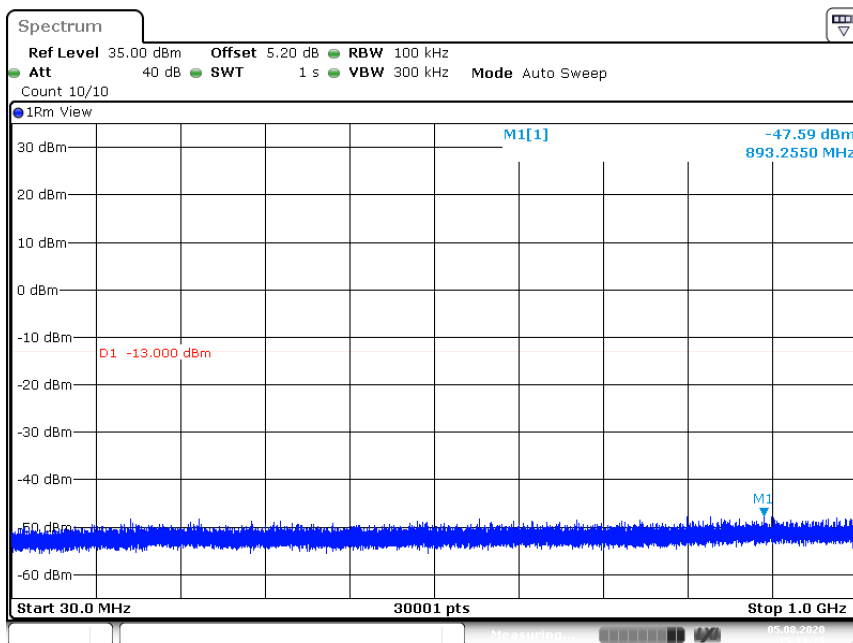


Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 15:11:07

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



Date: 5.AUG.2020 15:11:26

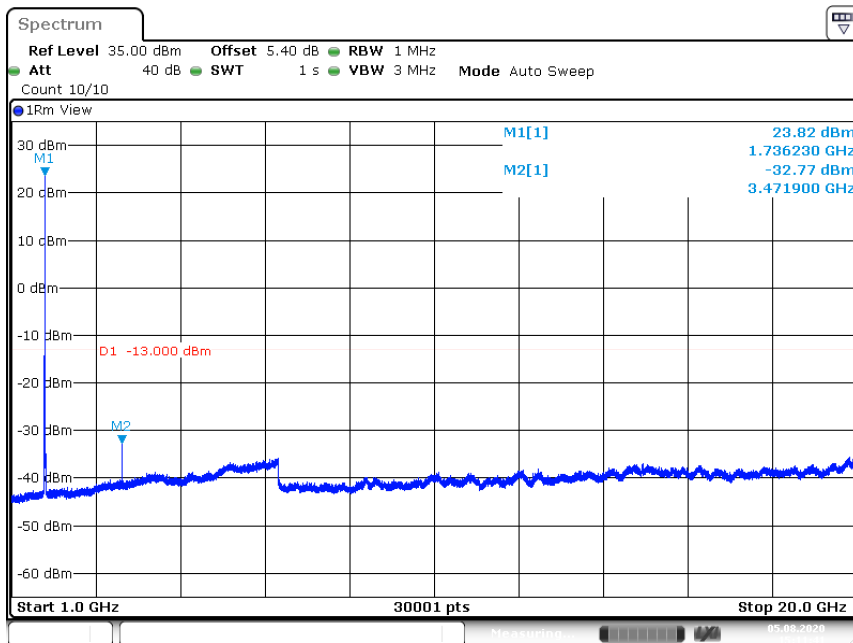


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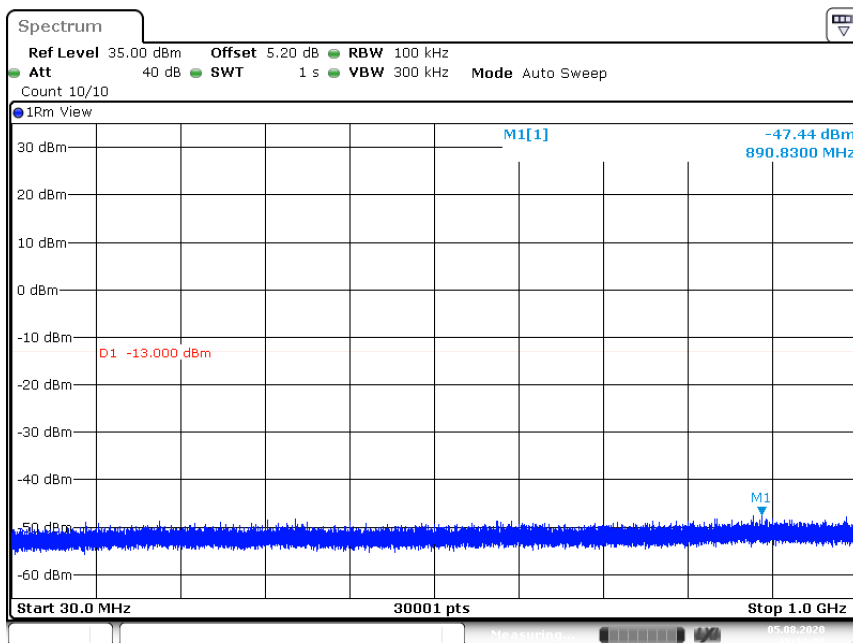
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Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 15:11:42

Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



Date: 5.AUG.2020 15:12:01

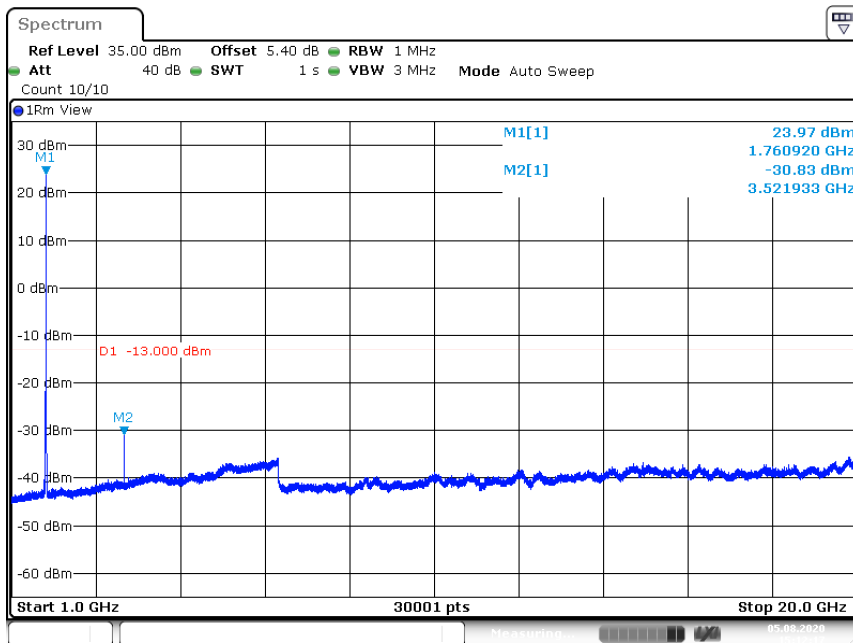


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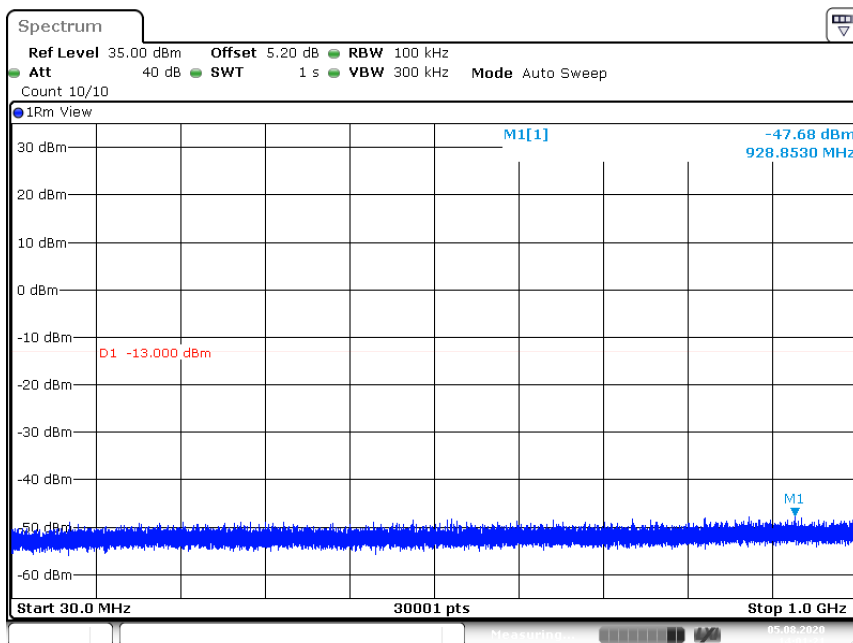
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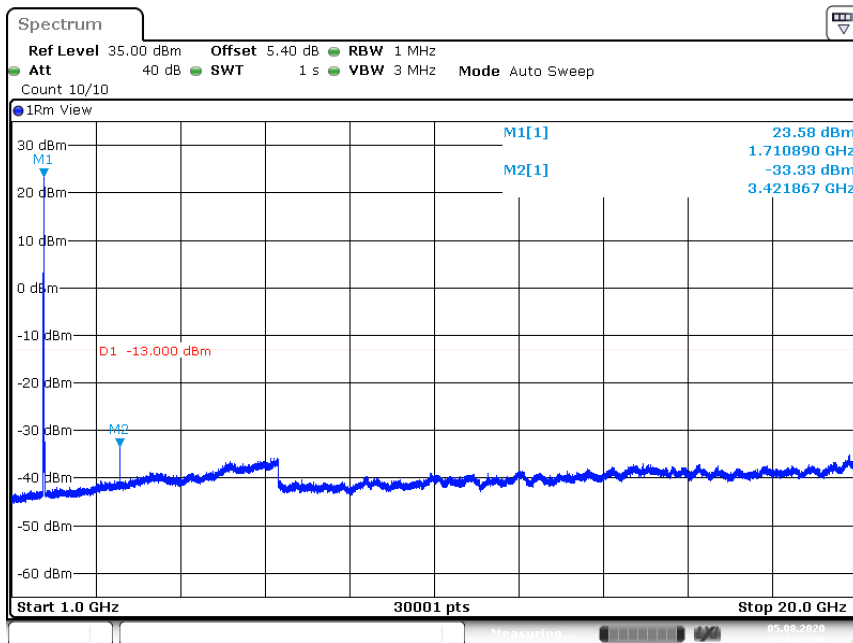
Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz



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

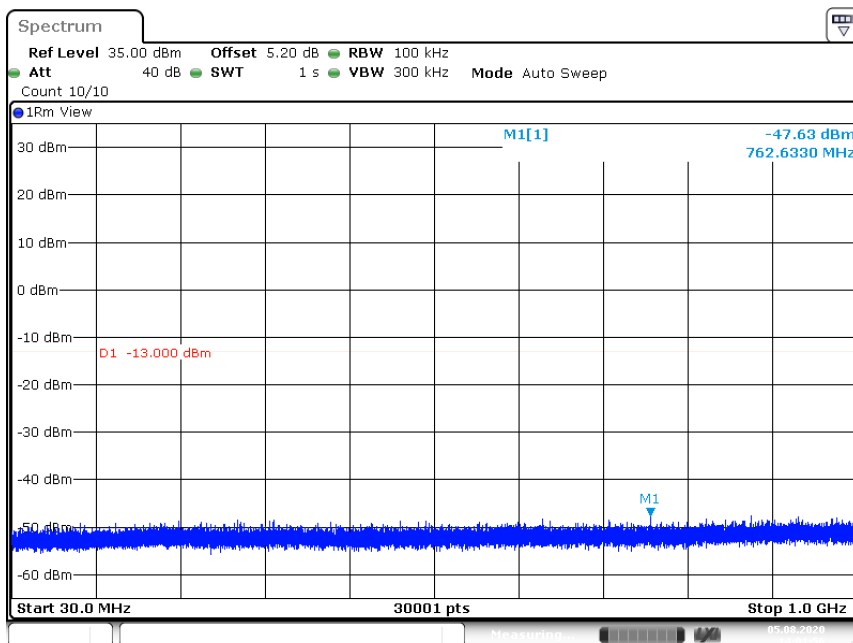


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Date: 5.AUG.2020 14:01:38

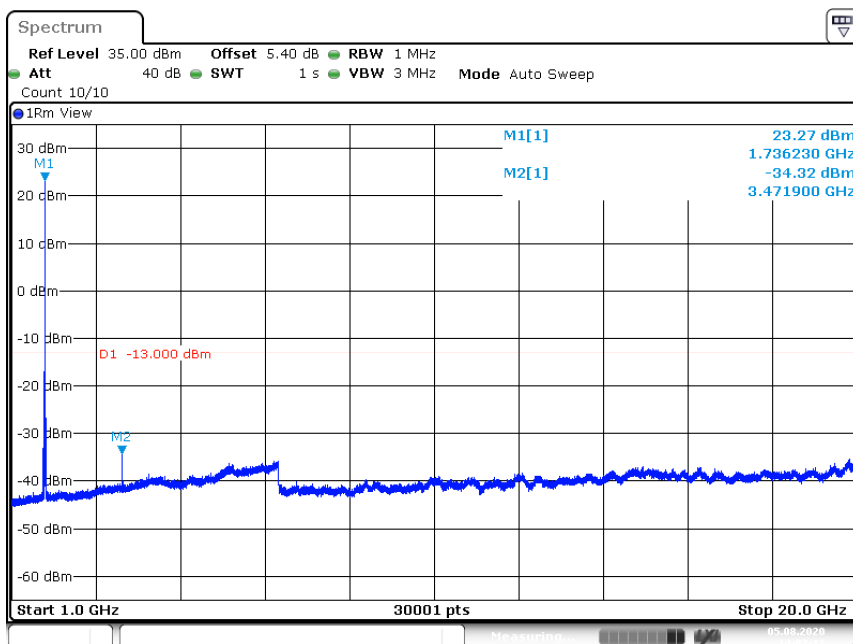
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



Date: 5.AUG.2020 14:01:57

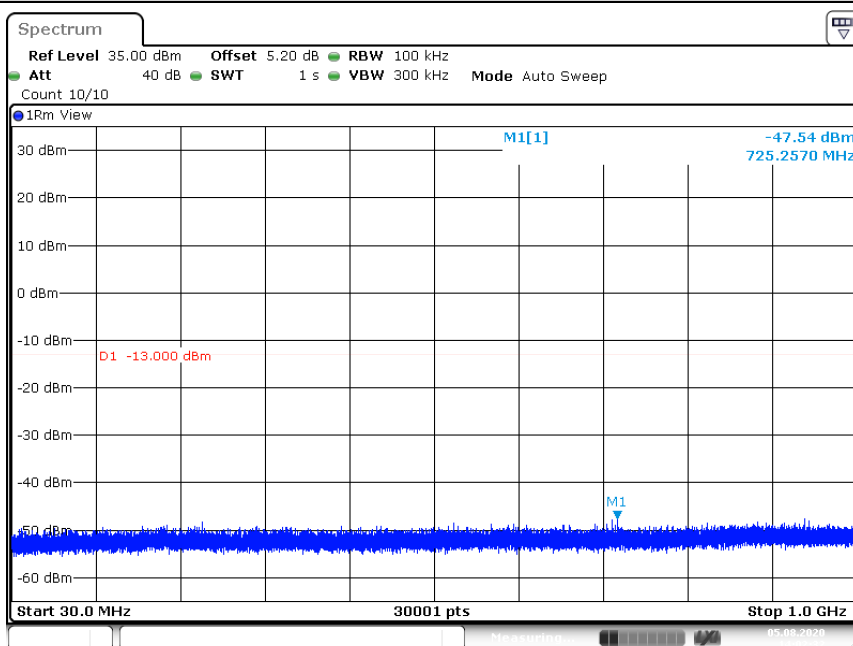


Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 14:02:13

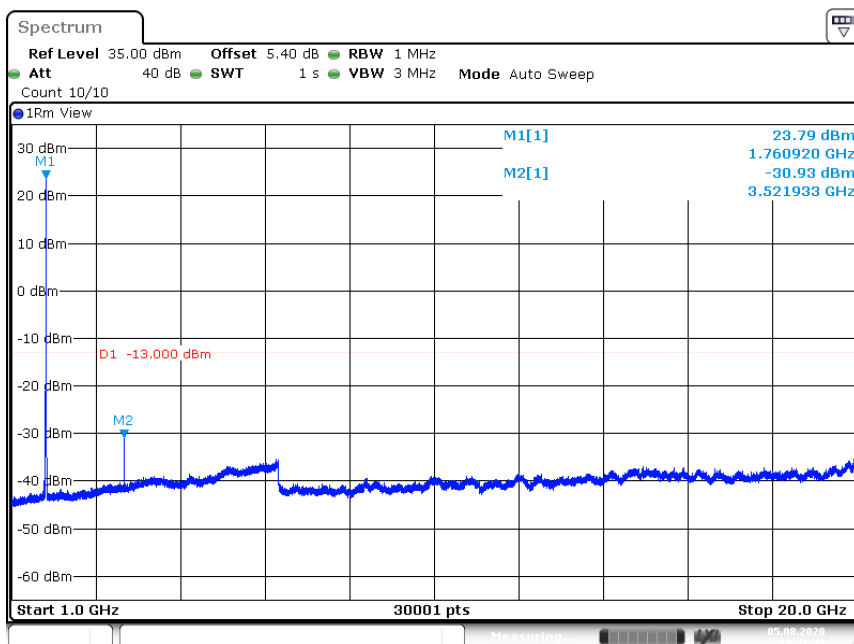
Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz



Date: 5.AUG.2020 14:02:32



Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 14:02:49





7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
78.5509	-57.27	-13.00	44.27	Vertical
247.5334	-65.79	-13.00	52.79	Vertical
342.3556	-64.03	-13.00	51.03	Vertical
3422.0141	-52.32	-13.00	39.32	Vertical
6844.1281	-45.71	-13.00	32.71	Vertical
8555.1852	-47.18	-13.00	34.18	Vertical
44.1627	-64.60	-13.00	51.60	Horizontal
165.9523	-64.58	-13.00	51.58	Horizontal
336.3413	-63.65	-13.00	50.65	Horizontal
3422.0141	-37.07	-13.00	24.07	Horizontal
6844.1281	-52.03	-13.00	39.03	Horizontal
8555.1852	-52.64	-13.00	39.64	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
78.4054	-58.49	-13.00	45.49	Vertical
251.6076	-66.34	-13.00	53.34	Vertical
341.9191	-64.28	-13.00	51.28	Vertical
3472.0157	-50.33	-13.00	37.33	Vertical
6944.6315	-45.40	-13.00	32.40	Vertical
8680.1893	-45.96	-13.00	32.96	Vertical
42.6591	-64.59	-13.00	51.59	Horizontal
164.3517	-64.66	-13.00	51.66	Horizontal
3472.0157	-33.14	-13.00	20.14	Horizontal
5208.0736	-55.59	-13.00	42.59	Horizontal
6944.1315	-49.50	-13.00	36.50	Horizontal
8680.1893	-51.77	-13.00	38.77	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
76.8048	-60.51	-13.00	47.51	Vertical
249.7645	-64.44	-13.00	51.44	Vertical
3522.0174	-43.54	-13.00	30.54	Vertical
7044.1348	-46.38	-13.00	33.38	Vertical
8805.1935	-50.68	-13.00	37.68	Vertical
10566.7522	-49.12	-13.00	36.12	Vertical
44.4537	-64.03	-13.00	51.03	Horizontal
162.5571	-64.53	-13.00	51.53	Horizontal
342.6951	-63.65	-13.00	50.65	Horizontal
3522.0174	-27.92	-13.00	14.92	Horizontal
7044.6348	-52.68	-13.00	39.68	Horizontal
8805.1935	-51.94	-13.00	38.94	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 displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-3.40	-0.001977	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-2.20	-0.001279	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	4.10	0.002384	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	3.20	0.001834	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	2.60	0.001490	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-0.20	-0.000115	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	0.60	0.000339	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	6.60	0.003729	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	5.20	0.002938	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	VL	NT	-6.10	-0.003547	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	VN	NT	-2.80	-0.001628	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	VH	NT	-1.30	-0.000756	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	VL	NT	-4.00	-0.002292	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	VN	NT	-6.20	-0.003553	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	VH	NT	0.10	0.000057	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	VL	NT	4.40	0.002486	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	VN	NT	0.70	0.000395	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	VH	NT	6.00	0.003390	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	0.10	0.000058	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	0.20	0.000116	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-10	-0.80	-0.000465	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	2.00	0.001163	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	1.50	0.000872	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	3.20	0.001860	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	30	-2.80	-0.001628	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	40	1.60	0.000930	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	-1.90	-0.001105	±2.5	PASS



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Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-0.70	-0.000401	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	3.40	0.001948	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-4.30	-0.002464	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	4.10	0.002350	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	3.50	0.002006	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	4.50	0.002579	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-7.60	-0.004355	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-5.10	-0.002923	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-0.90	-0.000516	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	2.10	0.001186	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	3.90	0.002203	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	-1.10	-0.000621	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	0.90	0.000508	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	1.50	0.000847	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	3.80	0.002147	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	-4.60	-0.002636	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	-1.80	-0.001017	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	-1.50	-0.000847	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	-30	-2.80	-0.001628	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	-20	-2.90	-0.001686	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	-10	-1.90	-0.001105	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	0	-5.40	-0.003140	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	10	-2.90	-0.001686	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	20	0.60	0.000349	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	30	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	40	-7.50	-0.004360	±2.5	PASS
Band66	20MHz	16QAM	132072	32RB#0	NV	50	-4.50	-0.002616	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	-30	-4.90	-0.002808	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	-20	-2.00	-0.001146	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	-10	2.20	0.001261	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	0	-5.80	-0.003324	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	10	1.70	0.000974	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	20	-2.30	-0.001318	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	30	1.60	0.000917	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	40	-2.40	-0.001375	±2.5	PASS
Band66	20MHz	16QAM	132322	32RB#0	NV	50	-4.60	-0.002636	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	-30	5.30	0.002994	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	-20	3.80	0.002147	±2.5	PASS



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Band66	20MHz	16QAM	132572	32RB#0	NV	-10	-1.50	-0.000847	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	0	4.50	0.002542	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	10	-0.70	-0.000395	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	20	1.20	0.000678	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	30	8.90	0.005028	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	40	-4.50	-0.002542	±2.5	PASS
Band66	20MHz	16QAM	132572	32RB#0	NV	50	-3.60	-0.002034	±2.5	PASS



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