



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	23.26	25.10	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.45	25.29	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.32	25.16	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.15	24.99	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.42	25.26	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.23	25.07	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.27	24.11	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.05	24.89	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.47	25.31	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.16	25.00	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.12	24.96	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.43	25.27	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.03	24.87	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.33	24.17	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.08	24.92	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.35	25.19	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.24	25.08	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.12	24.96	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.32	25.16	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.20	25.04	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.28	24.12	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.70	24.54	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.96	23.80	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.79	24.63	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.30	24.14	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.31	24.15	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.35	24.19	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.36	23.20	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.65	24.49	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.79	24.63	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.76	24.60	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	22.07	23.91	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	22.28	24.12	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	22.31	24.15	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.31	23.15	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.63	24.47	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.70	24.54	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.66	24.50	30.00	PASS



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Band66	1.4MHz	16QAM	132665	3RB#3	22.26	24.10	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.34	24.18	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.35	24.19	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.32	23.16	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.18	25.02	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.43	25.27	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.23	25.07	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.36	24.20	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.28	24.12	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.41	24.25	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.37	24.21	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.18	25.02	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.51	25.35	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.16	25.00	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	22.08	23.92	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	22.32	24.16	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	22.33	24.17	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.32	24.16	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.08	24.92	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.40	25.24	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.18	25.02	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.19	24.03	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.31	24.15	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.41	24.25	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.34	24.18	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.76	24.60	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.98	23.82	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.70	24.54	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.44	23.28	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.44	23.28	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.33	23.17	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.37	23.21	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.60	24.44	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.78	24.62	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.73	24.57	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	21.15	22.99	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	21.17	23.01	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	21.23	23.07	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.18	23.02	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.61	24.45	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.70	24.54	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.72	24.56	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.34	23.18	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.39	23.23	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.37	23.21	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.32	23.16	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.24	25.08	30.00	PASS



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Band66	5MHz	QPSK	131997	1RB#12	23.46	25.30	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.32	25.16	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.27	24.11	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.38	24.22	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.38	24.22	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.34	24.18	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.17	25.01	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.43	25.27	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.03	24.87	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.16	24.00	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.37	24.21	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	22.39	24.23	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.32	24.16	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.08	24.92	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.37	25.21	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.12	24.96	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.20	24.04	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.42	24.26	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.39	24.23	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.40	24.24	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.71	24.55	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.04	23.88	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.74	24.58	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.49	23.33	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.44	23.28	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.31	23.15	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.33	23.17	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.65	24.49	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.69	24.53	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.69	24.53	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.01	22.85	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.28	23.12	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.20	23.04	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.31	23.15	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.60	24.44	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.77	24.61	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.68	24.52	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.33	23.17	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.39	23.23	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.38	23.22	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.44	23.28	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.19	25.03	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.49	25.33	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.28	25.12	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.27	24.11	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.34	24.18	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.42	24.26	30.00	PASS



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Band66	10MHz	QPSK	132022	50RB#0	22.36	24.20	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.10	24.94	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.50	25.34	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.03	24.87	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	22.09	23.93	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	22.43	24.27	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	22.34	24.18	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.37	24.21	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.12	24.96	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.35	25.19	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.21	25.05	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.19	24.03	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.39	24.23	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.36	24.20	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.38	24.22	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.76	24.60	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.05	23.89	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.73	24.57	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.37	23.21	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.44	23.28	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.37	23.21	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.37	23.21	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.60	24.44	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.78	24.62	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.78	24.62	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	21.01	22.85	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	21.28	23.12	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	21.34	23.18	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.32	23.16	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.55	24.39	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.69	24.53	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.68	24.52	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	21.41	23.25	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.28	23.12	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.42	23.26	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.40	23.24	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.28	25.12	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.36	25.20	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.20	25.04	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	22.32	24.16	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	22.31	24.15	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	22.39	24.23	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.30	24.14	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.13	24.97	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.45	25.29	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.16	25.00	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	22.07	23.91	30.00	PASS



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Band66	15MHz	QPSK	132322	36RB#39	22.33	24.17	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#18	22.30	24.14	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.34	24.18	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.08	24.92	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.45	25.29	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.20	25.04	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	22.32	24.16	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	22.40	24.24	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	22.35	24.19	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.33	24.17	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.73	24.57	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.91	23.75	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.77	24.61	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	21.39	23.23	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	21.40	23.24	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	21.43	23.27	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.40	23.24	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.60	24.44	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.77	24.61	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.71	24.55	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	21.11	22.95	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	21.26	23.10	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	21.33	23.17	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.22	23.06	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.69	24.53	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.75	24.59	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.63	24.47	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.33	23.17	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.38	23.22	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.30	23.14	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.36	23.20	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.39	25.23	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.61	25.45	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.43	25.27	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.50	24.34	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.53	24.37	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.52	24.36	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.51	24.35	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.29	25.13	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.65	25.49	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.28	25.12	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.30	24.14	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.54	24.38	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.50	24.34	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.52	24.36	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.23	25.07	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.59	25.43	30.00	PASS



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Band66	20MHz	QPSK	132572	1RB#99	23.35	25.19	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.42	24.26	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.53	24.37	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.51	24.35	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.50	24.34	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.90	24.74	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.16	24.00	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.93	24.77	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.61	23.45	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.55	23.39	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.54	23.38	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.58	23.42	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.80	24.64	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.93	24.77	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.88	24.72	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	21.25	23.09	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.42	23.26	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.44	23.28	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.43	23.27	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.80	24.64	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.90	24.74	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.86	24.70	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.58	23.42	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.50	23.34	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.54	23.38	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.56	23.40	30.00	PASS

Remark:

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

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

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



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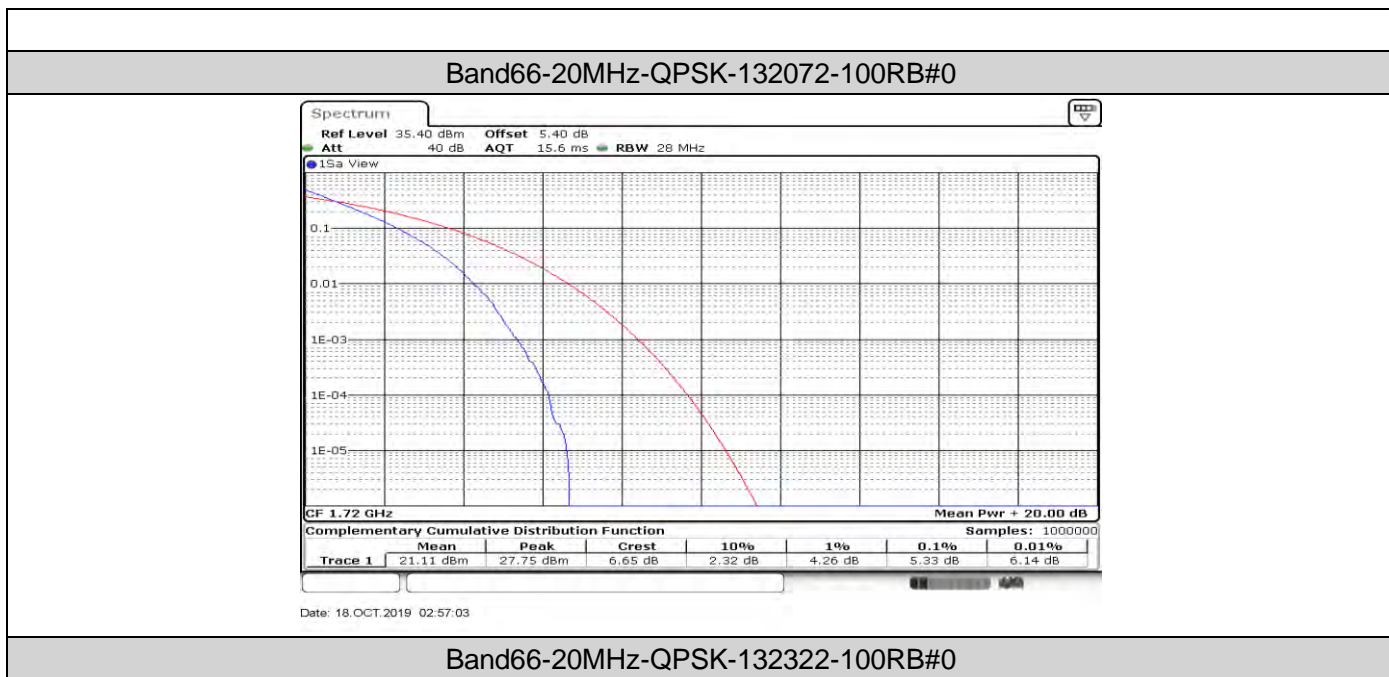


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.33	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.45	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.51	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.06	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.14	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.20	13	PASS

2.2. Test Plots





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



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





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



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

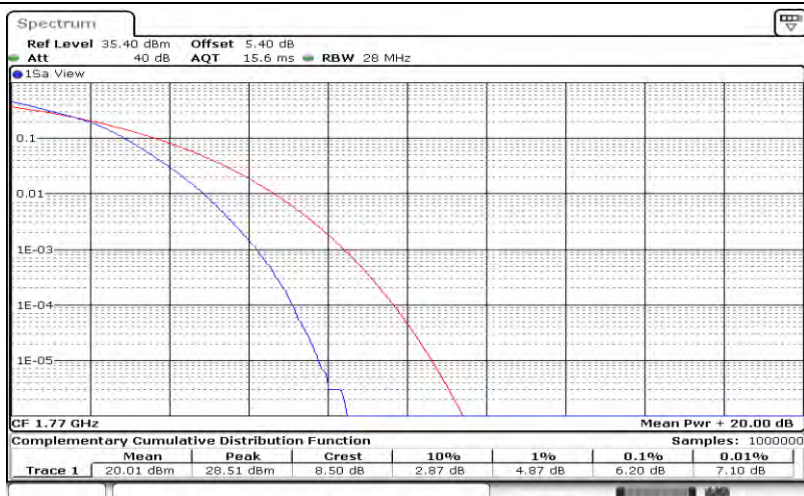


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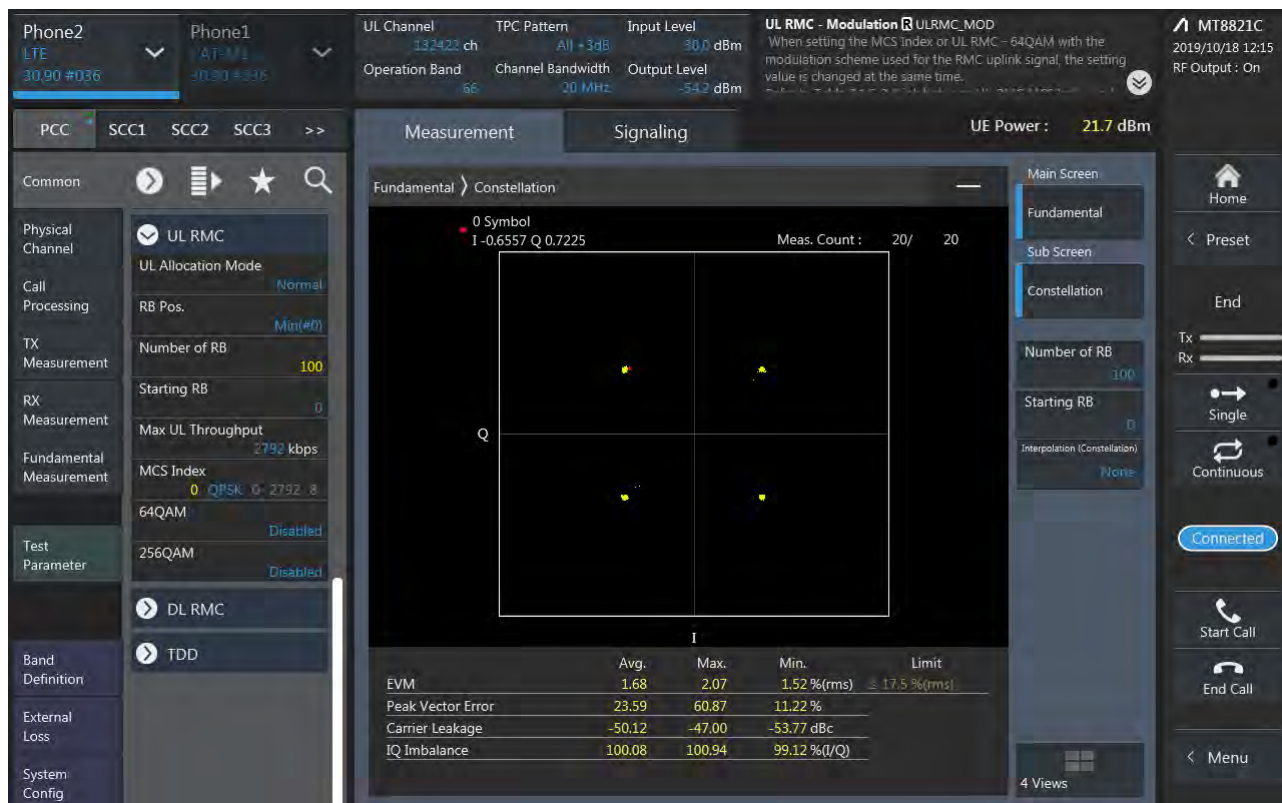




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

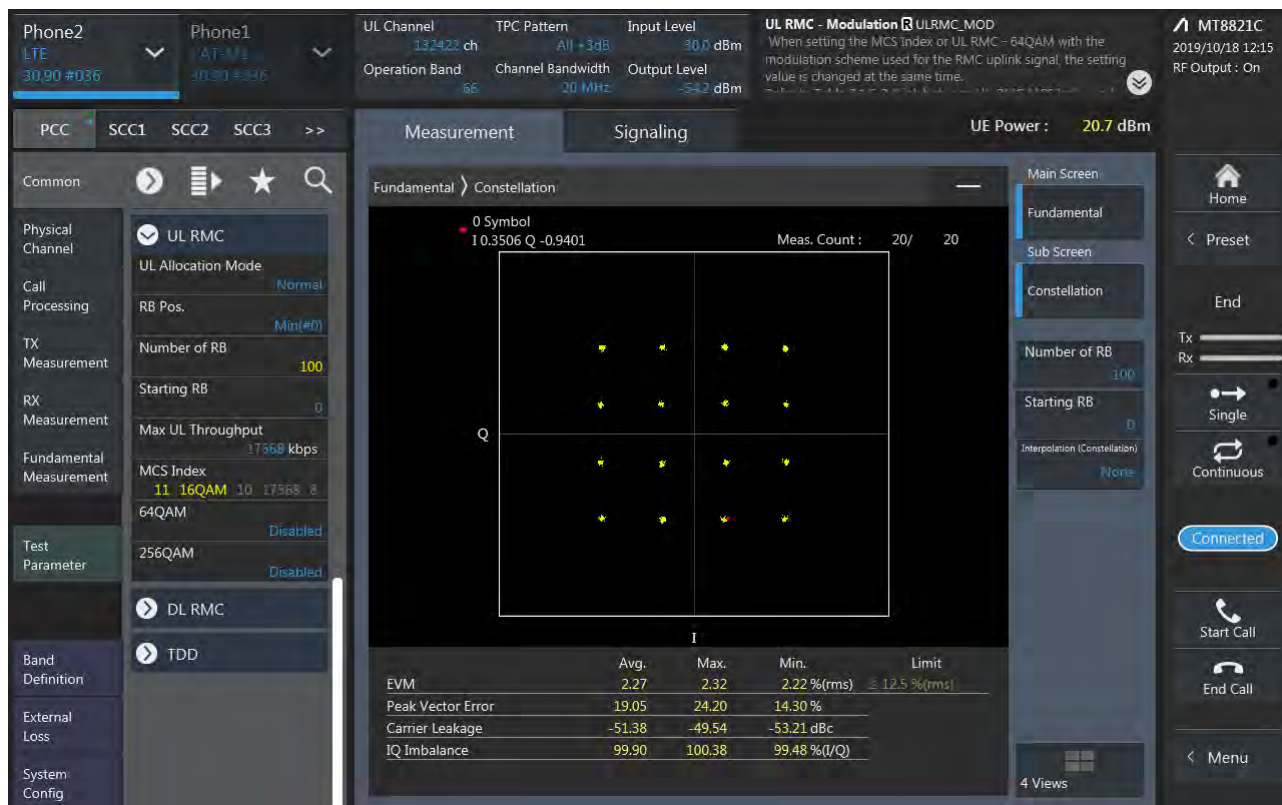
3.1.1. Test Channel = MCH





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	1.091	1.293	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.299	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.088	1.293	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.287	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.088	1.293	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.088	1.296	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.691	2.922	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	2.940	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.685	2.922	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.673	2.904	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.673	2.910	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.679	2.898	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	5.060	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.060	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.486	5.060	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.476	5.070	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.486	5.090	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.486	5.080	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.960	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.960	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.951	9.920	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.951	9.920	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.931	10.020	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.951	9.940	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.516	15.030	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.516	15.210	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.487	15.060	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.487	15.150	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.487	14.820	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.516	15.120	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.902	19.680	PASS



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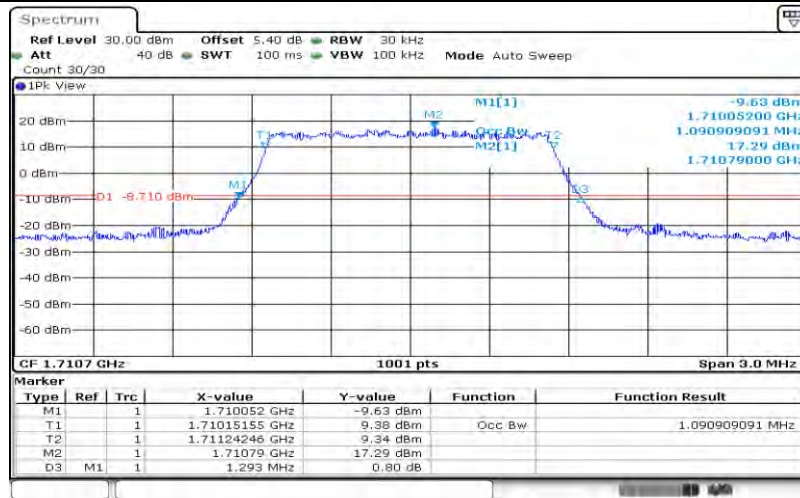
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Band66	20MHz	QPSK	132322	100RB#0	17.902	19.680	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.942	19.760	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.942	19.560	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.942	19.680	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.902	19.680	PASS

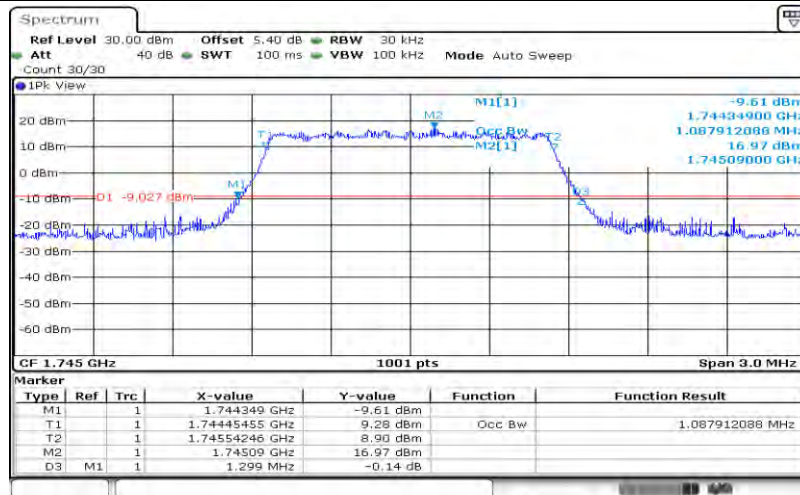
4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.091



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Band66-1.4MHz-QPSK-132322-6RB#0-1.088



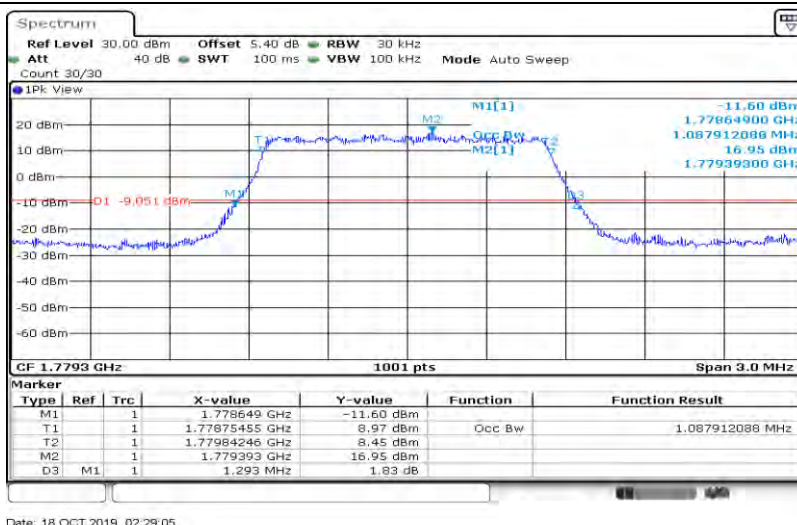
Date: 18.OCT.2019 02:28:40

Band66-1.4MHz-QPSK-132665-6RB#0-1.088



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Band66-1.4MHz-16QAM-131979-6RB#0-1.091



Band66-1.4MHz-16QAM-132322-6RB#0-1.088

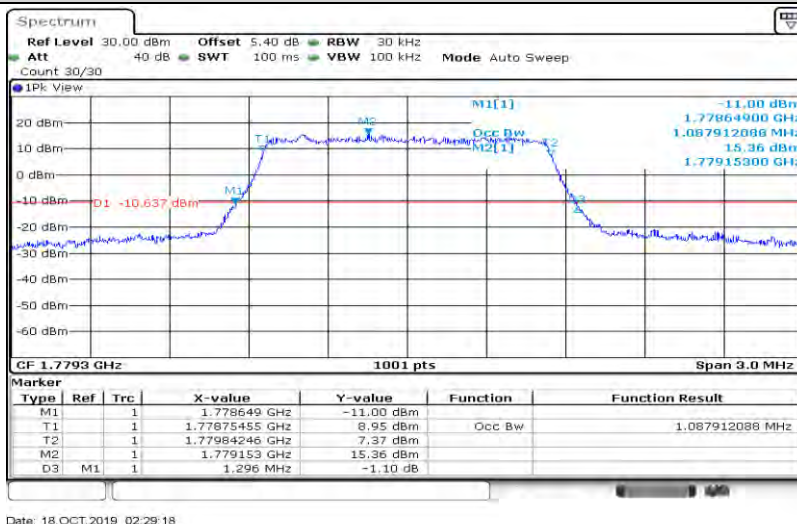


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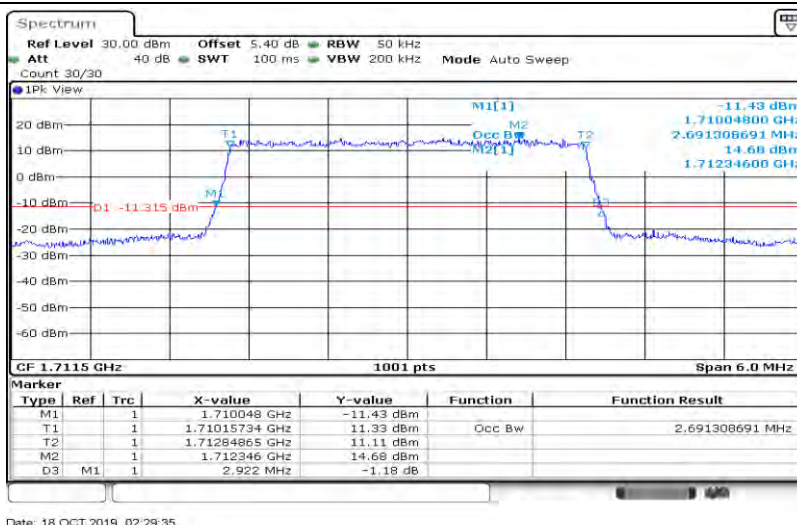


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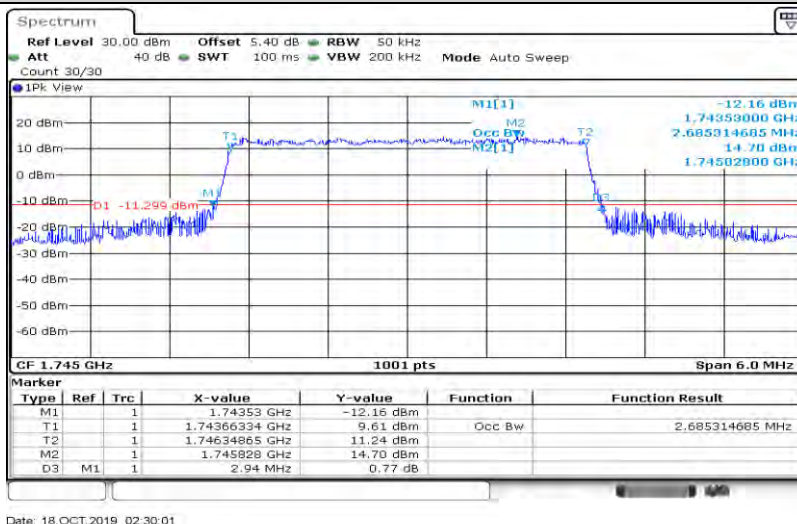


Band66-3MHz-QPSK-131987-15RB#0-2.691





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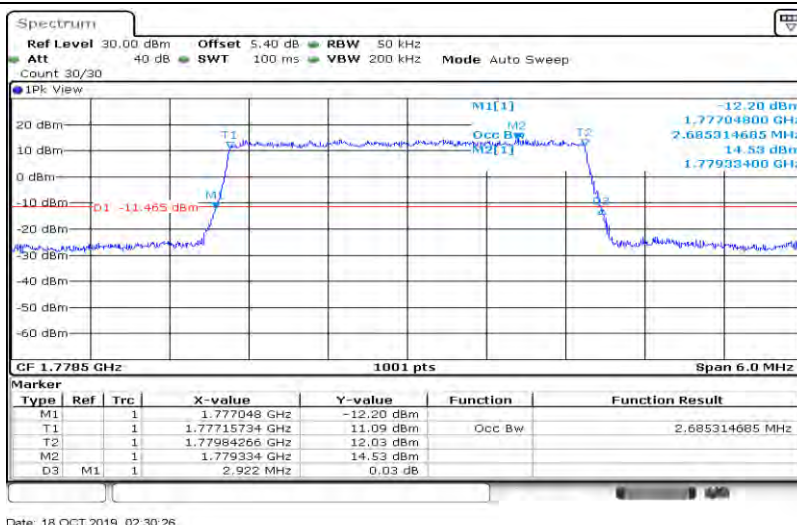


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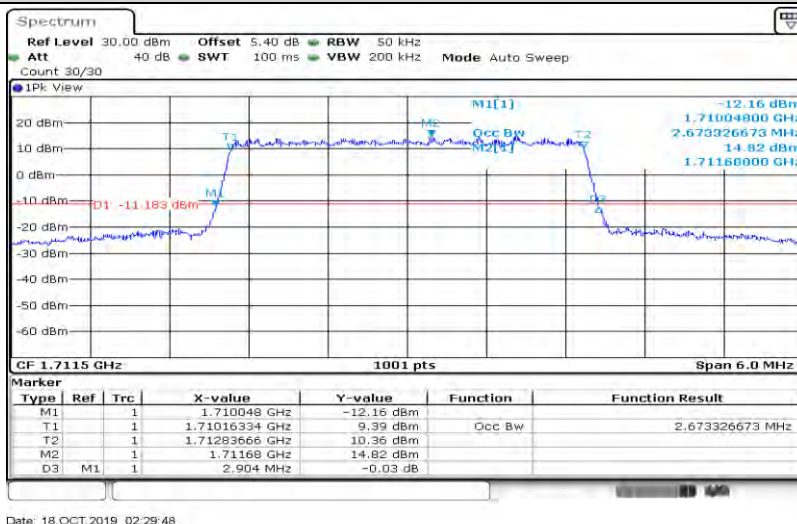


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Band66-3MHz-16QAM-131987-15RB#0-2.673

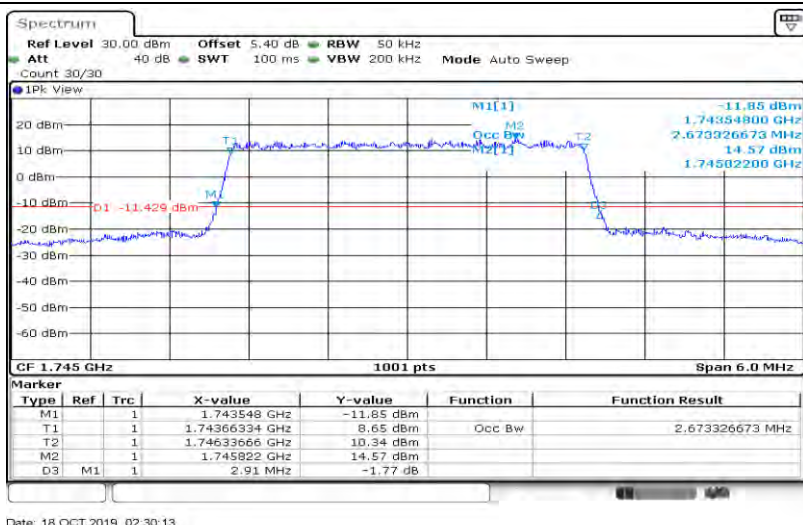


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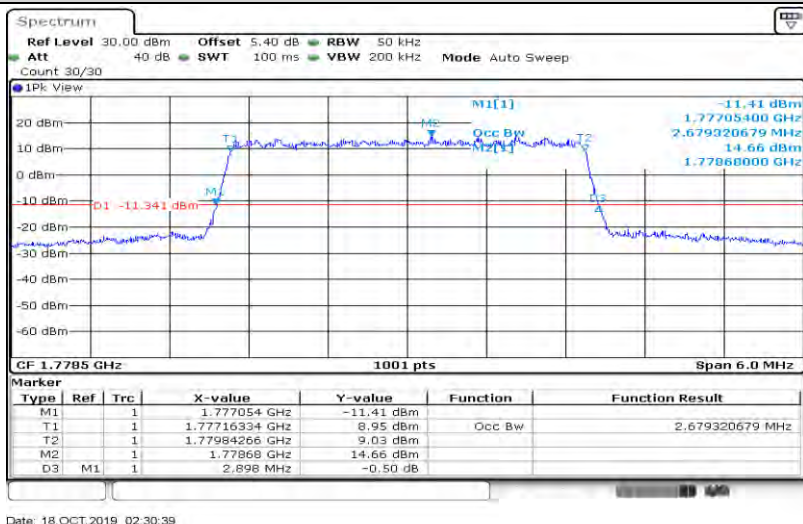


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Band66-3MHz-16QAM-132657-15RB#0-2.679



Band66-5MHz-QPSK-131997-25RB#0-4.476

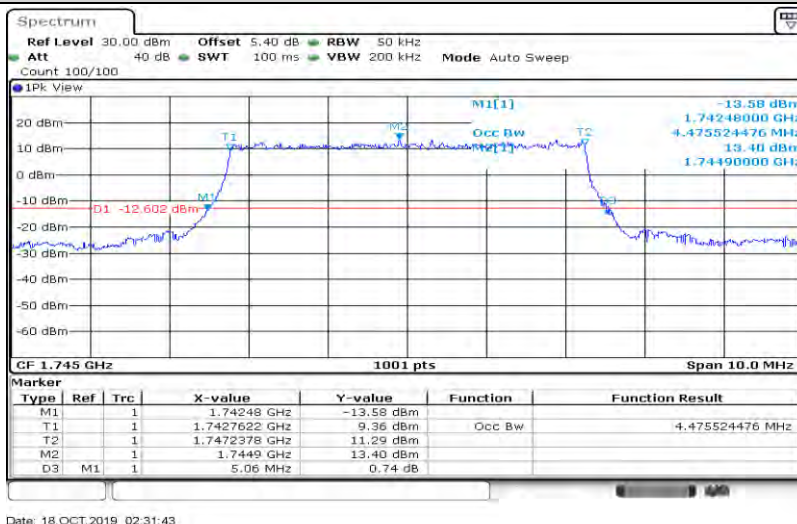


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Band66-5MHz-QPSK-132322-25RB#0-4.476

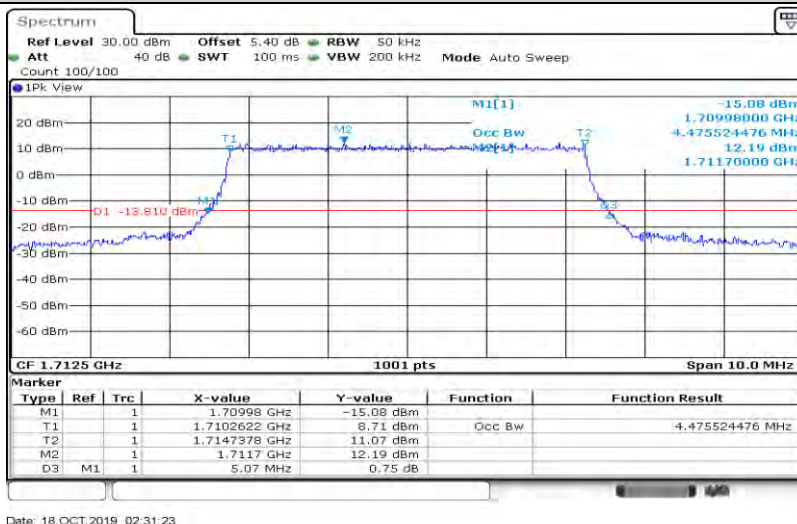


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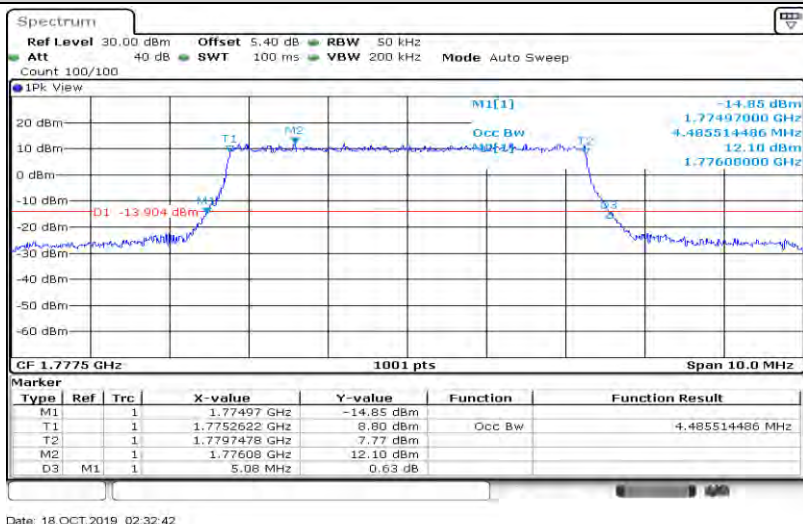


Band66-5MHz-16QAM-132322-25RB#0-4.486





Band66-5MHz-16QAM-132647-25RB#0-4.486



Band66-10MHz-QPSK-132022-50RB#0-8.931



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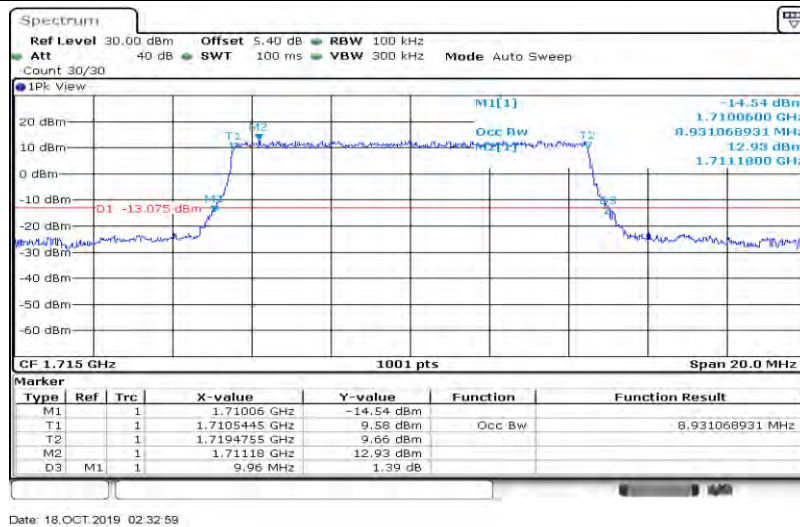
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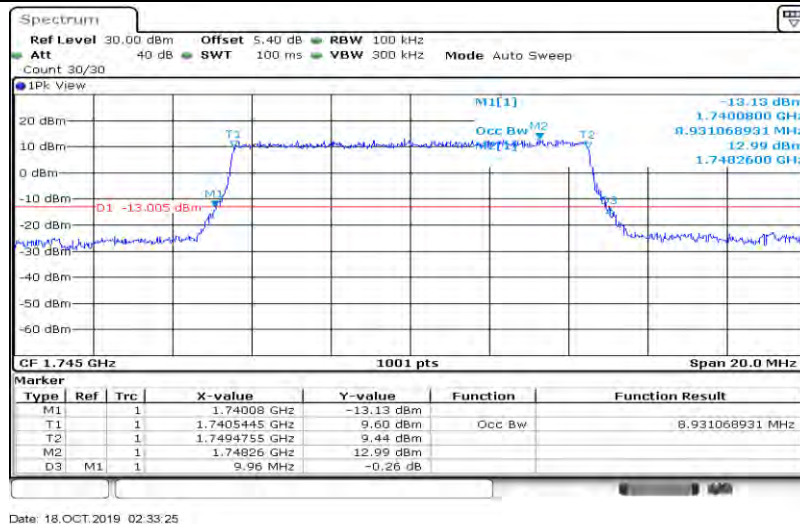
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Band66-10MHz-QPSK-132322-50RB#0-8.931



Band66-10MHz-QPSK-132622-50RB#0-8.951

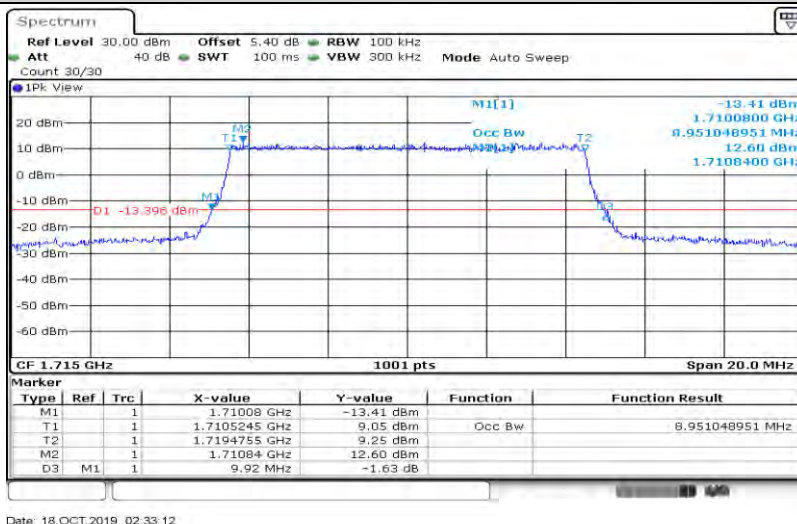


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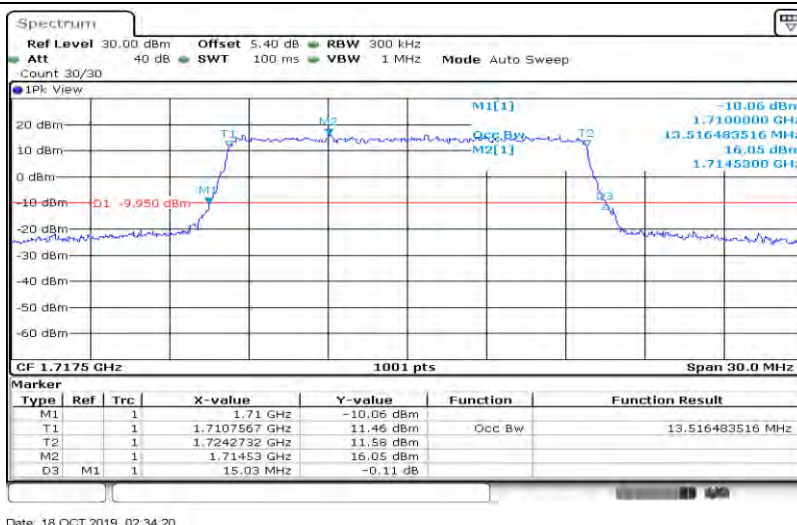


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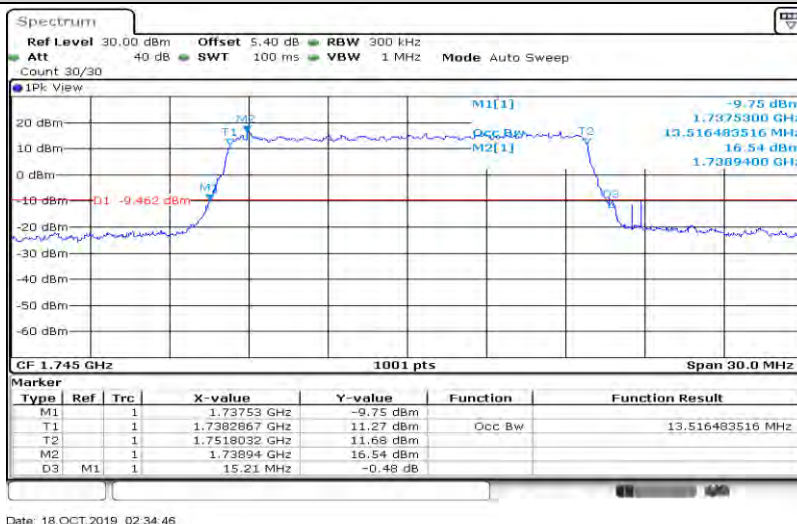


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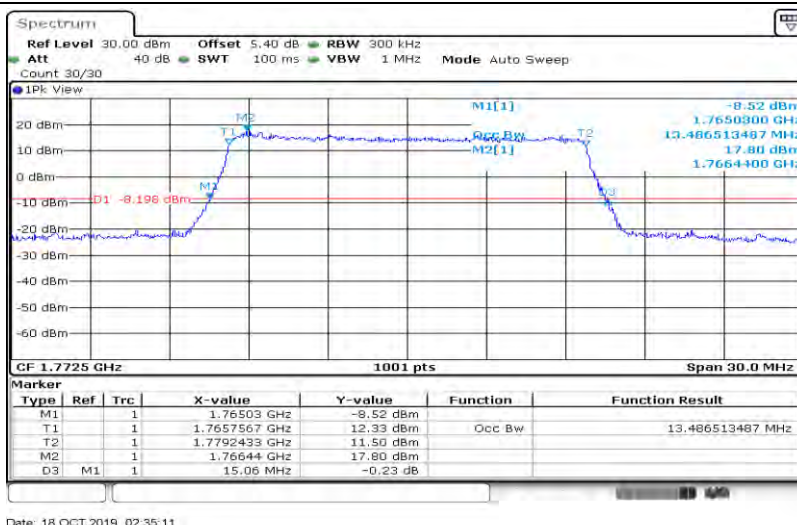


Band66-15MHz-QPSK-132597-75RB#0-13.487



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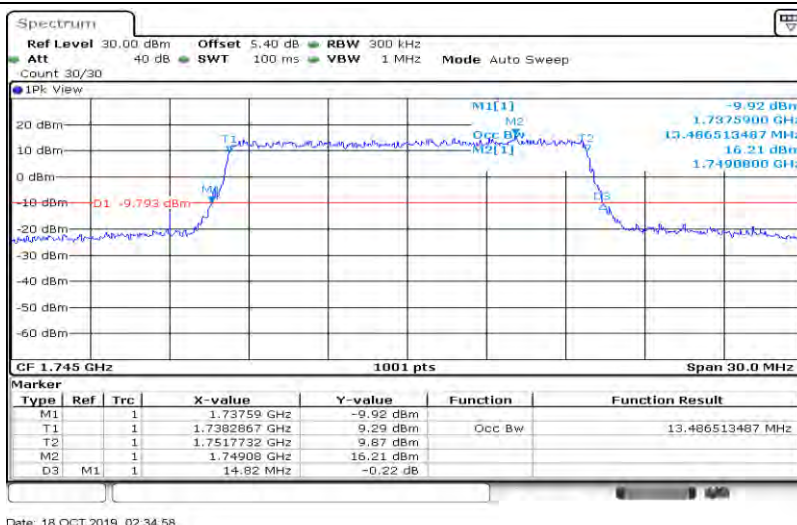


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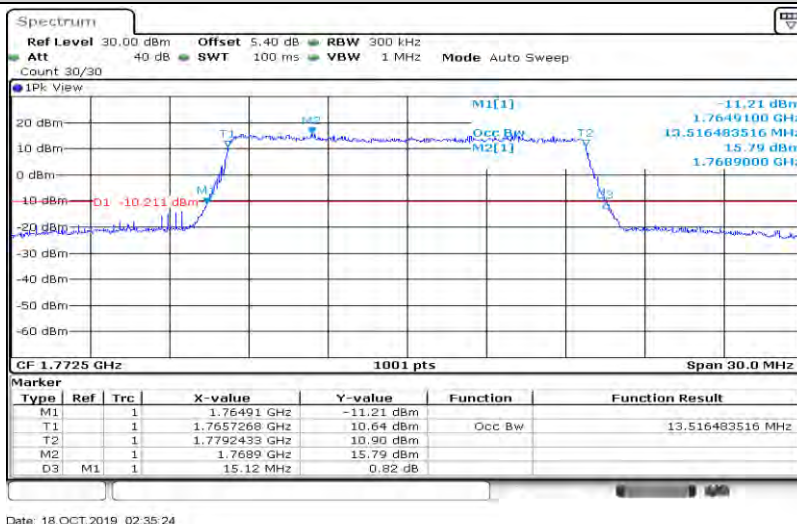


Band66-15MHz-16QAM-132322-75RB#0-13.487





Band66-15MHz-16QAM-132597-75RB#0-13.516



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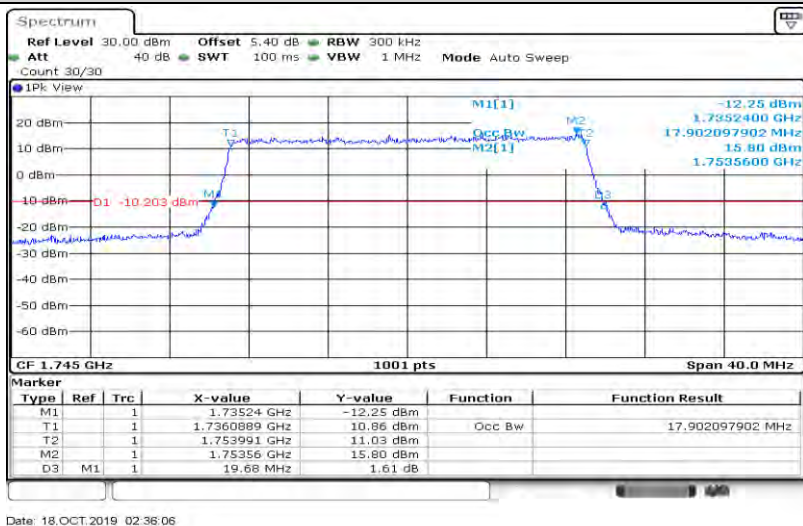


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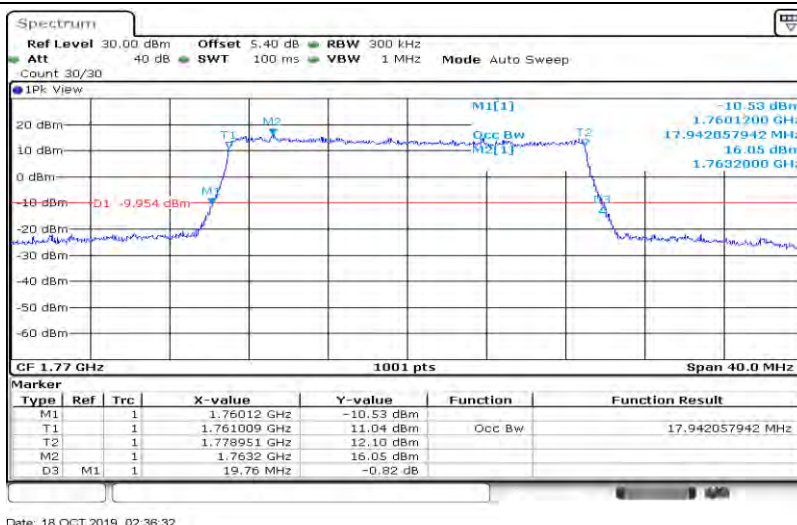


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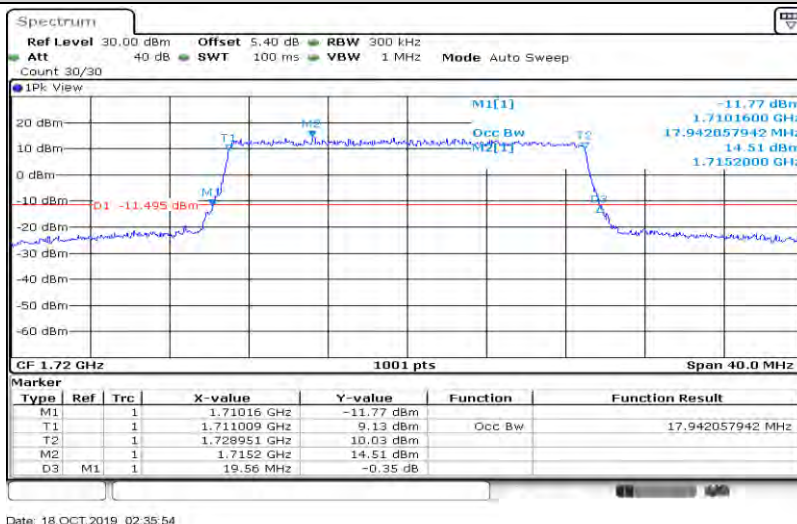


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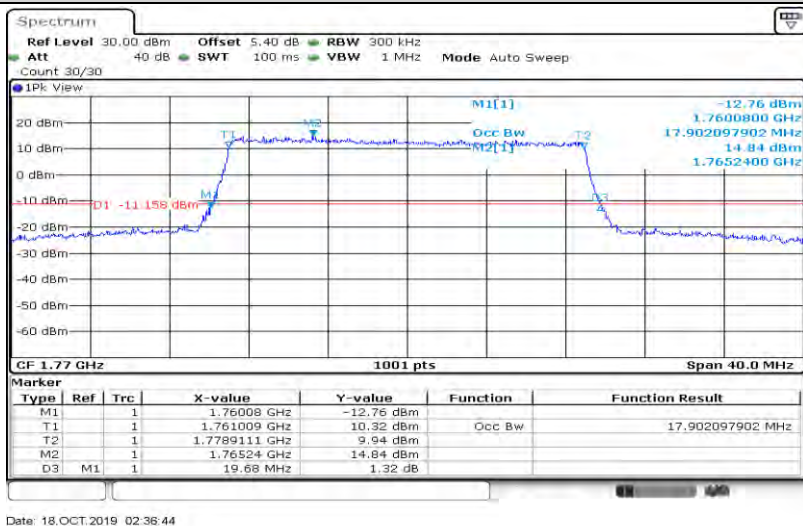


Band66-20MHz-16QAM-132322-100RB#0-17.942





Band66-20MHz-16QAM-132572-100RB#0-17.902





5. Band Edge Compliance

5.1. Test Plots

Band66-1.4MHz-QPSK-131979-1RB#0



Date: 18.OCT.2019 02:37:09

Band66-1.4MHz-QPSK-131979-6RB#0



Date: 18.OCT.2019 02:37:48

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



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



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



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



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



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

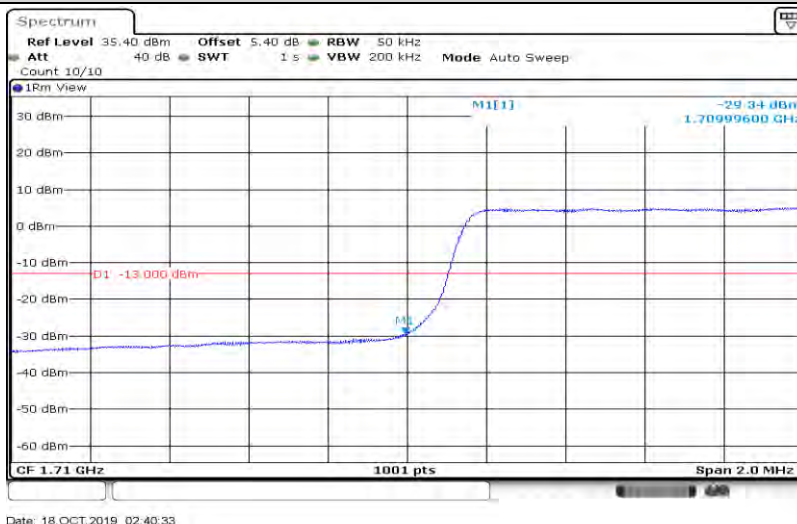


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Band66-3MHz-QPSK-131987-15RB#0



Band66-3MHz-QPSK-132657-1RB#14





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



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



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



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





Date: 18.OCT.2019 02:41:35

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



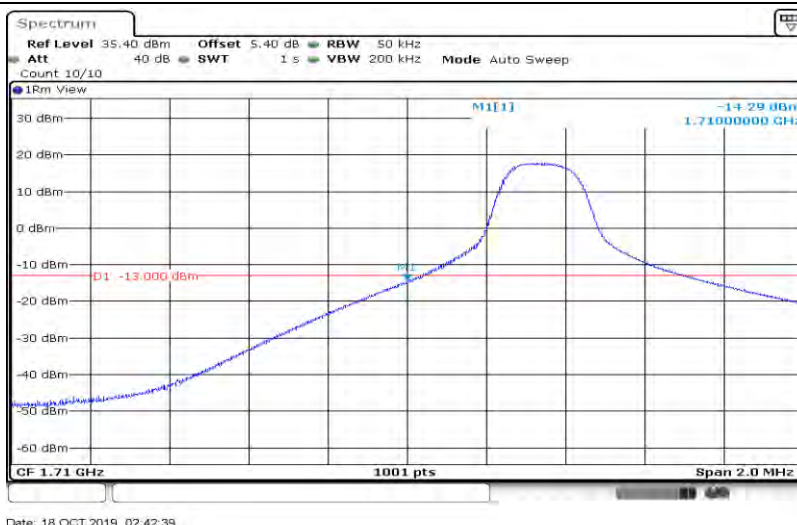
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Band66-5MHz-QPSK-131997-1RB#0



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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





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



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



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



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





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



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



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



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



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



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





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

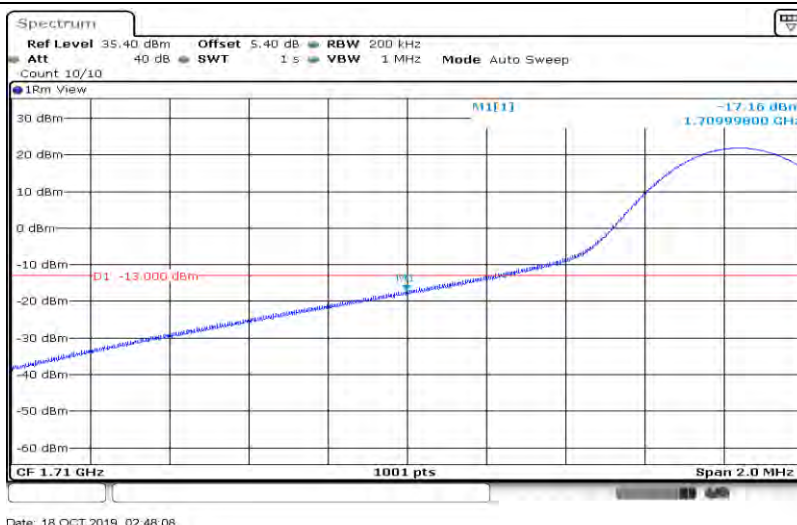


Band66-15MHz-QPSK-132047-1RB#0



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Date: 18.OCT.2019 02:48:08

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



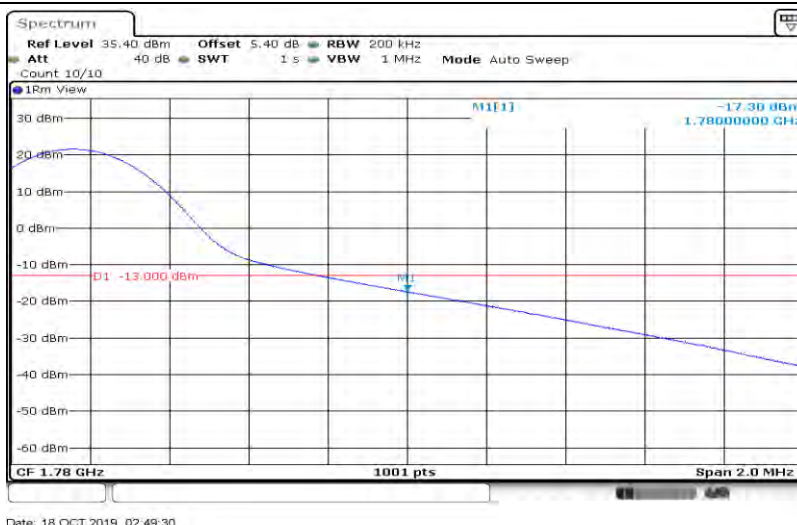
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Band66-15MHz-QPSK-132597-1RB#74



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



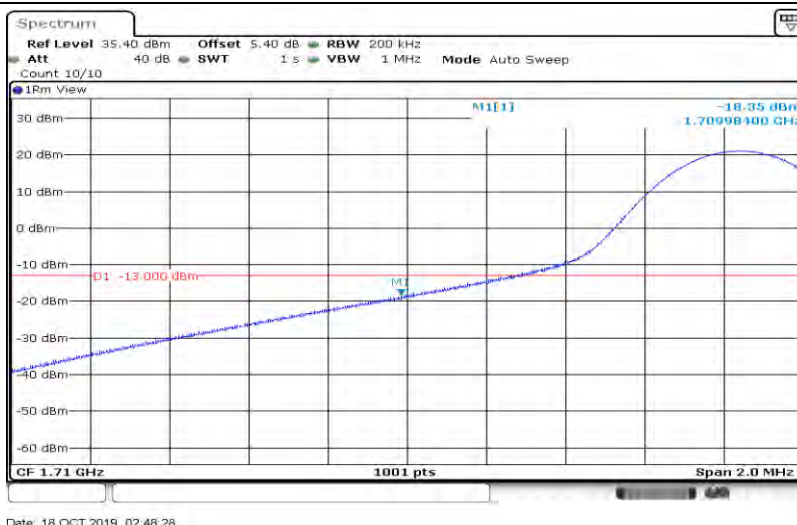
Band66-15MHz-16QAM-132047-1RB#0



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Date: 18.OCT.2019 02:48:28

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



Date: 18.OCT.2019 02:49:06

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



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



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



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



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



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



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



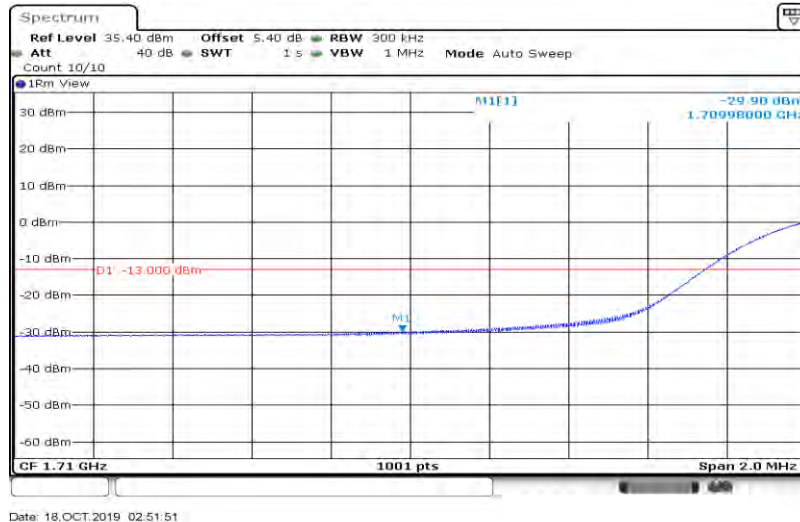
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Band66-20MHz-16QAM-132572-100RB#0





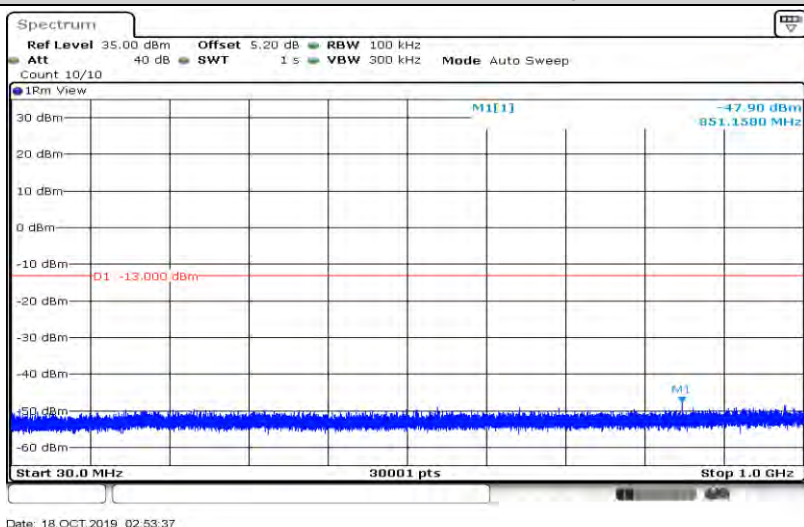
6. Spurious Emission at Antenna Terminal

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.

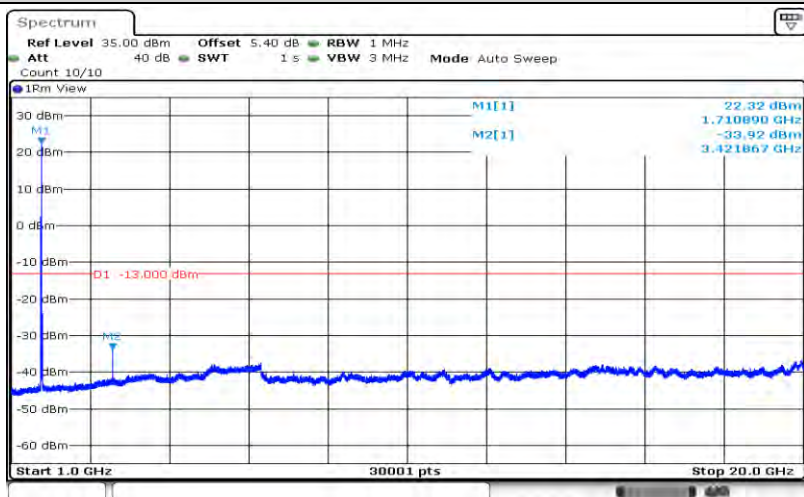
6.1. Test Plots

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



Date: 18.OCT.2019 02:53:37

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



Date: 18.OCT.2019 02:53:53

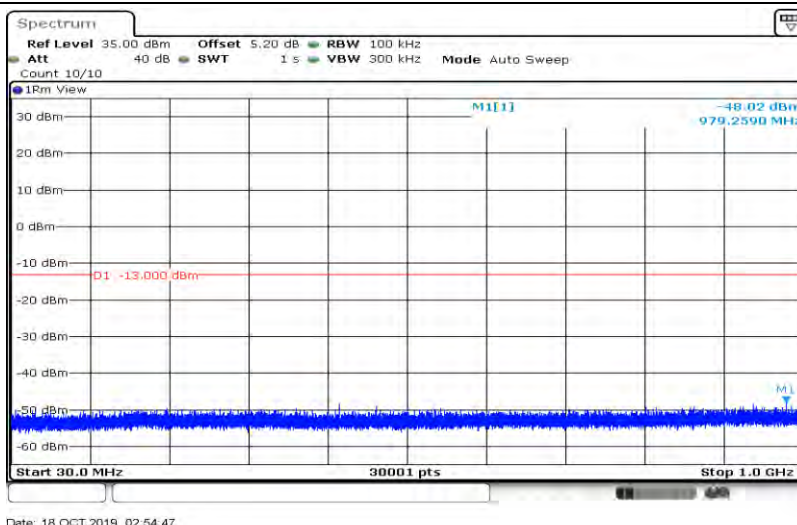
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



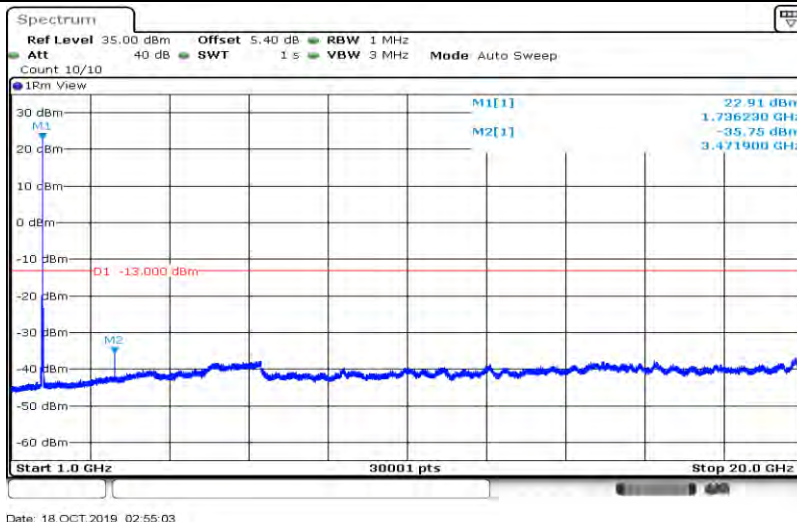
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Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



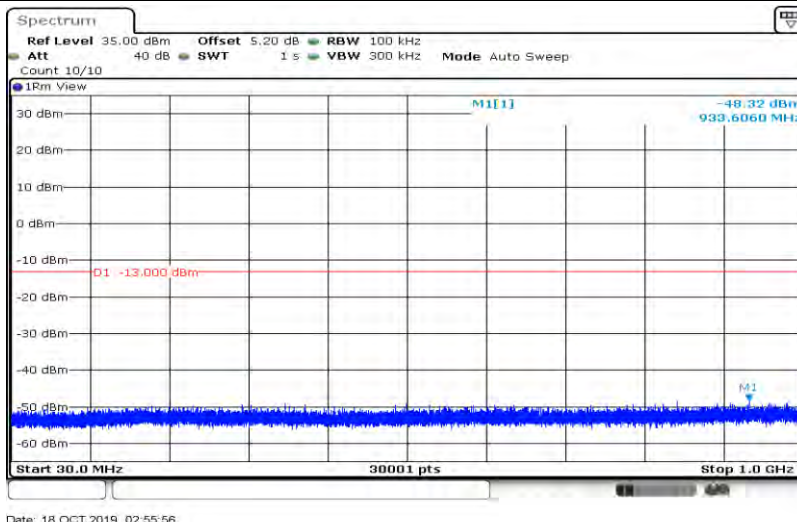
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



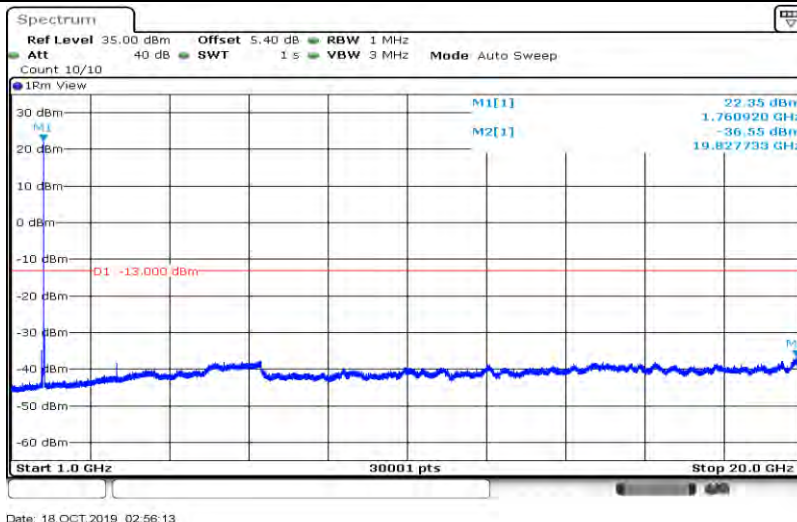
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Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz

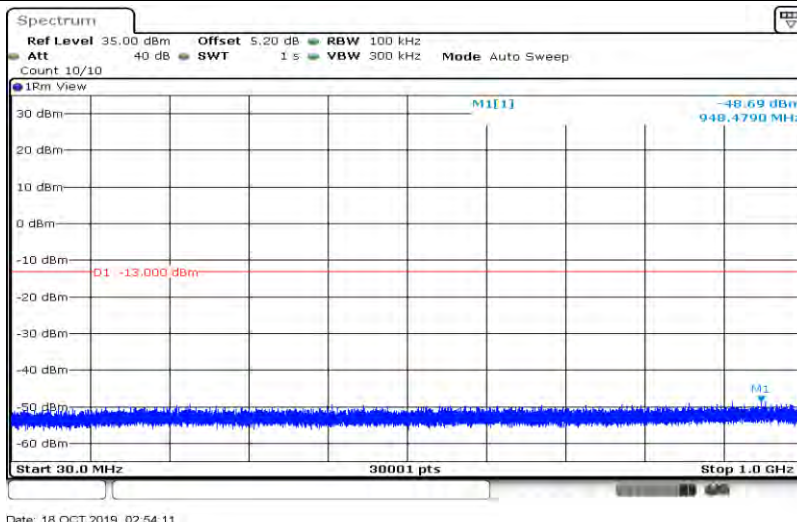


Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz

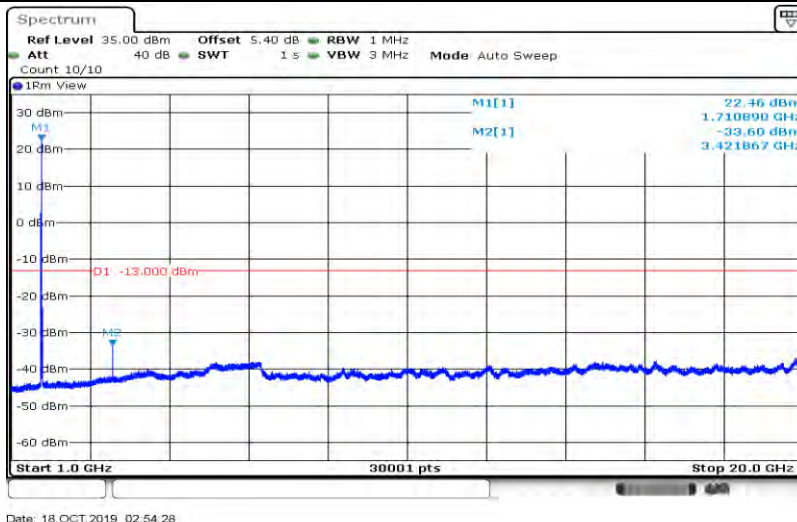


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Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~20000MHz



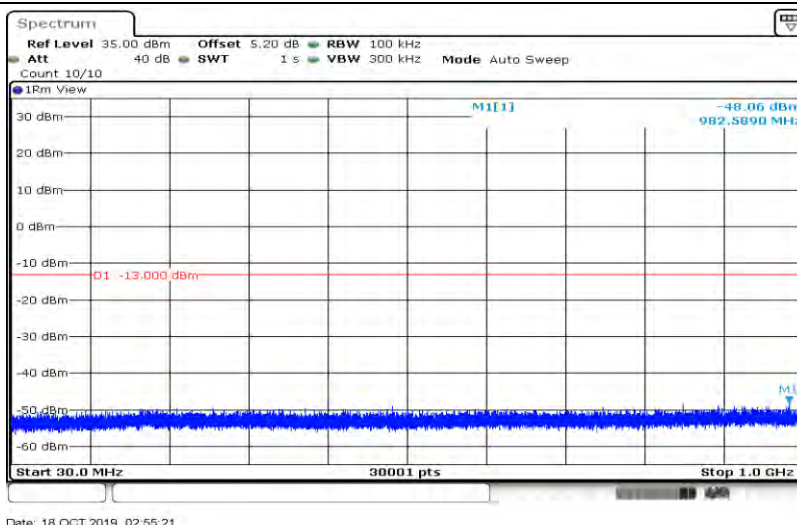
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



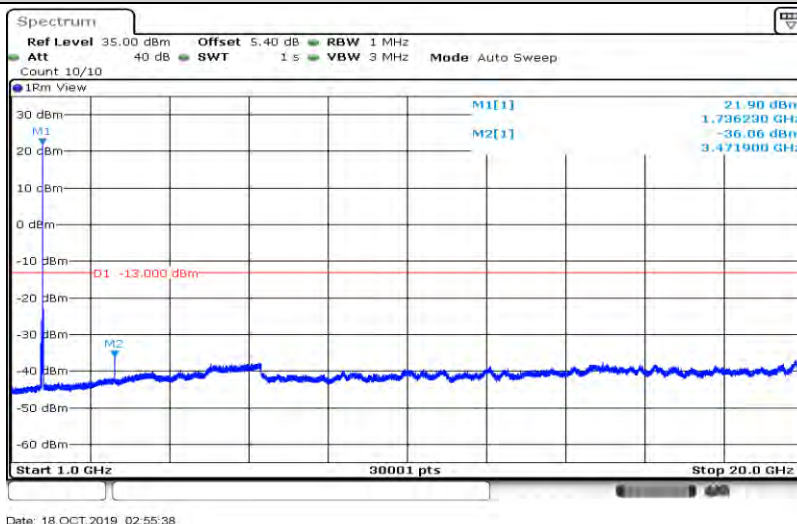
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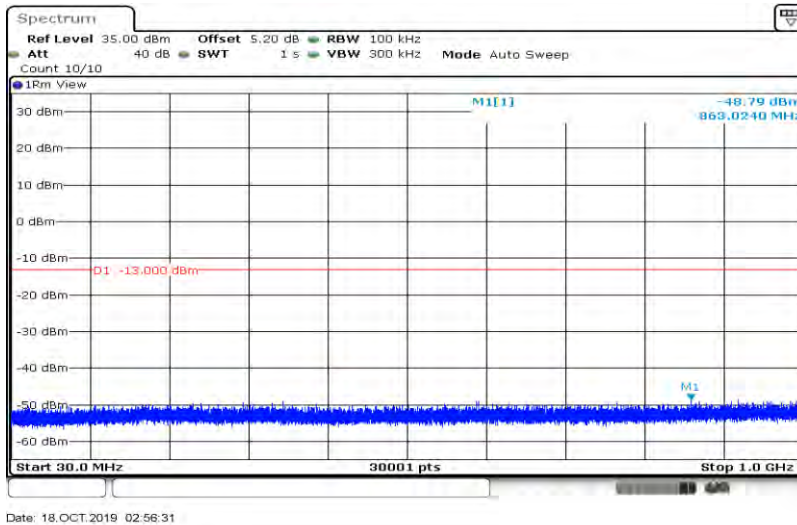


Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz

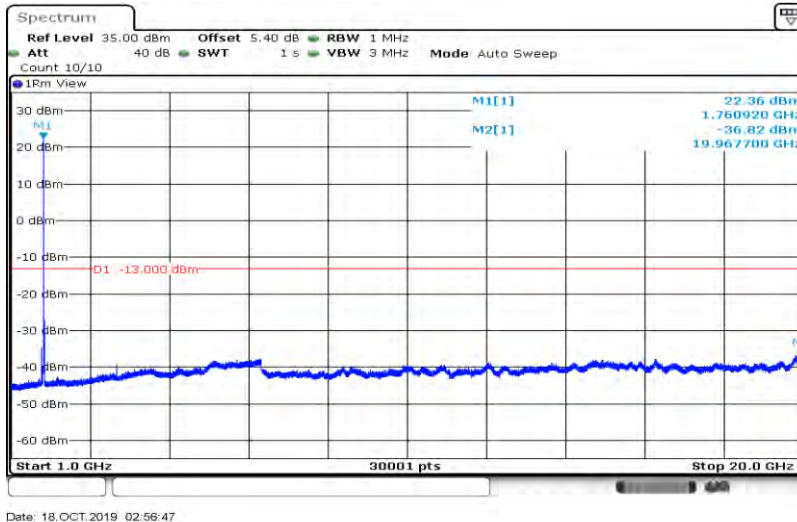


Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz





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



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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
48.7219	-75.62	-13.00	62.62	Vertical
92.9561	-76.14	-13.00	63.14	Vertical
250.0070	-86.19	-13.00	73.19	Vertical
2702.7405	-36.99	-13.00	23.99	Vertical
10510.2503	-47.82	-13.00	34.82	Vertical
17996.9999	-33.22	-13.00	20.22	Vertical
35.5778	-57.88	-13.00	44.88	Horizontal
94.0232	-80.89	-13.00	67.89	Horizontal
472.1481	-87.56	-13.00	74.56	Horizontal
2700.3401	-35.75	-13.00	22.75	Horizontal
3422.5141	-51.08	-13.00	38.08	Horizontal
16398.4466	-38.13	-13.00	25.13	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-76.55	-13.00	63.55	Vertical
92.9561	-75.66	-13.00	62.66	Vertical
250.0070	-85.97	-13.00	72.97	Vertical
2702.3405	-36.99	-13.00	23.99	Vertical
7375.6459	-53.09	-13.00	40.09	Vertical
17993.4998	-33.29	-13.00	20.29	Vertical
35.5778	-60.66	-13.00	47.66	Horizontal
92.9561	-80.70	-13.00	67.70	Horizontal
233.9527	-88.47	-13.00	75.47	Horizontal
3472.0157	-48.38	-13.00	35.38	Horizontal
8771.6924	-52.17	-13.00	39.17	Horizontal
17999.0000	-37.17	-13.00	24.17	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-76.14	-13.00	63.14	Vertical
78.7934	-74.20	-13.00	61.20	Vertical
250.0070	-86.37	-13.00	73.37	Vertical
2698.7397	-36.66	-13.00	23.66	Vertical
8521.1840	-52.13	-13.00	39.13	Vertical
17997.9999	-33.29	-13.00	20.29	Vertical
35.5778	-60.58	-13.00	47.58	Horizontal
94.0232	-80.05	-13.00	67.05	Horizontal
232.2066	-88.66	-13.00	75.66	Horizontal
2709.1418	-35.80	-13.00	22.80	Horizontal
3522.0174	-49.36	-13.00	36.36	Horizontal
16403.9468	-38.37	-13.00	25.37	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	7.20	0.004186	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-7.90	-0.004593	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	6.30	0.003610	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	5.20	0.002980	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-6.00	-0.003438	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-4.80	-0.002712	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	1.30	0.000734	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-10.70	-0.006045	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	-3.80	-0.002209	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	-3.40	-0.001977	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-11.80	-0.006762	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-13.10	-0.007507	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-7.90	-0.004527	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-4.40	-0.002486	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	-12.80	-0.007232	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	0.00	0.000000	±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	-7.40	-0.004302	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-3.50	-0.002035	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-3.30	-0.001919	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-12.50	-0.007267	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-8.80	-0.005116	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-0.70	-0.000401	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-1.30	-0.000745	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-14.00	-0.008023	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-0.10	-0.000057	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-3.70	-0.002120	±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	4.50	0.002542	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-3.30	-0.001864	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-7.90	-0.004463	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-6.40	-0.003616	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-4.20	-0.002442	±2.5	PASS



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Band66	20MHz	16QAM	132072	100RB#0	NV	-20	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	2.90	0.001686	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-5.90	-0.003430	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-7.00	-0.004070	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-7.40	-0.004241	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-1.20	-0.000688	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-3.40	-0.001948	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-1.70	-0.000974	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	2.70	0.001547	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-7.00	-0.003955	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-0.40	-0.000226	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-5.40	-0.003051	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	-14.90	-0.008418	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	3.10	0.001751	±2.5	PASS

The End



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