



Appendix B

E-UTRA Band 66



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CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT	3
2.	PEAK-TO-AVERAGE RATIO (CCDF)	9
2.1.	TEST RESULT	9
2.2.	TEST PLOTS	9
3.	MODULATION CHARACTERISTICS	13
3.1.	TEST MODE = LTE /TM1 20MHZ.....	13
3.1.1.	TEST CHANNEL = MCH.....	13
3.2.	TEST MODE = LTE /TM2 20MHZ.....	14
3.2.1.	TEST CHANNEL = MCH.....	14
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	15
4.1.	TEST RESULT	15
4.2.	TEST PLOTS.....	16
5.	BAND EDGE COMPLIANCE	34
5.1.	TEST PLOTS.....	34
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	58
6.1.	TEST PLOTS.....	58
7.	FIELD STRENGTH OF SPURIOUS RADIATION	64
7.1.	TEST MODE =LTE/TM1	64
7.1.1.	TEST CHANNEL = LCH	64
7.1.2.	TEST CHANNEL = MCH.....	64
7.1.3.	TEST CHANNEL = HCH.....	65
8.	FREQUENCY STABILITY	66
8.1.	FREQUENCY VS VOLTAGE	66
8.2.	FREQUENCY VS TEMPERATURE	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	22.58	23.29	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.52	23.23	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.99	23.70	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.72	23.43	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.67	23.38	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.67	23.38	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.97	22.68	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.67	23.38	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.93	23.64	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.98	23.69	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.62	23.33	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.89	23.60	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.70	23.41	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.88	22.59	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.63	23.34	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.56	23.27	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.97	23.68	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.93	23.64	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.96	23.67	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.93	23.64	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.51	22.22	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.96	22.67	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.81	22.52	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.59	22.30	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.74	22.45	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.84	22.55	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.68	22.39	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.76	21.47	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.54	22.25	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.88	22.59	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.68	22.39	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.94	22.65	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.57	22.28	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	21.93	22.64	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.57	21.28	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.76	22.47	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.81	22.52	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.89	22.60	30.00	PASS



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Band66	1.4MHz	16QAM	132665	3RB#3	21.79	22.50	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.94	22.65	30.00	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.52	22.23	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.60	21.31	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.73	23.44	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.50	23.21	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.79	23.50	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.81	22.52	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.00	22.71	30.00	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.55	22.26	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.97	22.68	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.52	23.23	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.57	23.28	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.65	23.36	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.66	22.37	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.76	22.47	30.00	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.82	22.53	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.97	22.68	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.68	23.39	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.81	23.52	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.59	23.30	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.59	22.30	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.63	22.34	30.00	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.79	22.50	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.62	22.33	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.63	22.34	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.80	22.51	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.87	22.58	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.94	21.65	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.71	21.42	30.00	PASS
Band66	3MHz	16QAM	131987	8RB#7	20.81	21.52	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.80	21.51	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.53	22.24	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.92	22.63	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.95	22.66	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.68	21.39	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.69	21.40	30.00	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.62	21.33	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.73	21.44	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.63	22.34	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.90	22.61	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.74	22.45	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	20.64	21.35	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	20.68	21.39	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	20.97	21.68	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.95	21.66	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.85	23.56	30.00	PASS



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Band66	5MHz	QPSK	131997	1RB#0	22.60	23.31	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.91	23.62	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.77	22.48	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.87	22.58	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.76	22.47	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.87	22.58	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.77	23.48	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.52	23.23	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.84	23.55	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.91	22.62	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.79	22.50	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.96	22.67	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.77	22.48	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.88	23.59	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.52	23.23	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.80	23.51	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.80	22.51	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.90	22.61	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.82	22.53	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.62	22.33	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.71	22.42	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.73	22.44	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.61	22.32	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#0	20.87	21.58	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.71	21.42	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.77	21.48	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.83	21.54	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.89	22.60	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.62	22.33	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.52	22.23	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.88	21.59	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.88	21.59	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.97	21.68	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.70	21.41	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.84	22.55	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.54	22.25	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.80	22.51	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.72	21.43	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.72	21.43	30.00	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.55	21.26	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.78	21.49	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.53	23.24	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.61	23.32	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.85	23.56	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.57	22.28	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.82	22.53	30.00	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.80	22.51	30.00	PASS



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Band66	10MHz	QPSK	132022	50RB#0	21.81	22.52	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.51	23.22	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.98	23.69	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.69	23.40	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.52	22.23	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.51	22.22	30.00	PASS
Band66	10MHz	QPSK	132322	25RB#0	21.63	22.34	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.88	22.59	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.76	23.47	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.95	23.66	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.53	23.24	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.60	22.31	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.80	22.51	30.00	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.78	22.49	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.77	22.48	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.95	22.66	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.78	22.49	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.97	22.68	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.85	21.56	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.73	21.44	30.00	PASS
Band66	10MHz	16QAM	132022	25RB#25	20.91	21.62	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.74	21.45	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.90	22.61	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.92	22.63	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.56	22.27	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.79	21.50	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.54	21.25	30.00	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.95	21.66	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	20.79	21.50	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.93	22.64	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.70	22.41	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.63	22.34	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.68	21.39	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.56	21.27	30.00	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.56	21.27	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.55	21.26	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.58	23.29	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.86	23.57	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.68	23.39	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#0	21.72	22.43	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#39	21.65	22.36	30.00	PASS
Band66	15MHz	QPSK	132047	36RB#18	21.86	22.57	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.61	22.32	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.94	23.65	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.85	23.56	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.96	23.67	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#39	21.99	22.70	30.00	PASS



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Band66	15MHz	QPSK	132322	36RB#18	21.79	22.50	30.00	PASS
Band66	15MHz	QPSK	132322	36RB#0	21.51	22.22	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.97	22.68	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.63	23.34	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.66	23.37	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.74	23.45	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#39	21.75	22.46	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#0	21.50	22.21	30.00	PASS
Band66	15MHz	QPSK	132597	36RB#18	21.76	22.47	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.55	22.26	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.65	22.36	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.61	22.32	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.89	22.60	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#39	20.56	21.27	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#18	20.77	21.48	30.00	PASS
Band66	15MHz	16QAM	132047	36RB#0	20.84	21.55	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.90	21.61	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.61	22.32	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.88	22.59	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.69	22.40	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#39	20.90	21.61	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#0	20.89	21.60	30.00	PASS
Band66	15MHz	16QAM	132322	36RB#18	20.79	21.50	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.59	21.30	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.92	22.63	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.61	22.32	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.80	22.51	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	20.56	21.27	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	20.57	21.28	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	20.62	21.33	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.52	21.23	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.69	23.40	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.66	23.37	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.99	23.70	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.79	22.50	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.84	22.55	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.79	22.50	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.91	22.62	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.88	23.59	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.67	23.38	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.60	23.31	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.75	22.46	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.77	22.48	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.76	22.47	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.63	22.34	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.69	23.40	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.67	23.38	30.00	PASS



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Band66	20MHz	QPSK	132572	1RB#49	22.84	23.55	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.90	22.61	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.69	22.40	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.81	22.52	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.81	22.52	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.92	22.63	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.76	22.47	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.57	22.28	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	20.91	21.62	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	20.65	21.36	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	20.52	21.23	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.97	21.68	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.62	22.33	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.95	22.66	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.60	22.31	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	20.77	21.48	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	20.53	21.24	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	20.75	21.46	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.93	21.64	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.58	22.29	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.66	22.37	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.59	22.30	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	20.56	21.27	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	20.81	21.52	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	20.97	21.68	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.66	21.37	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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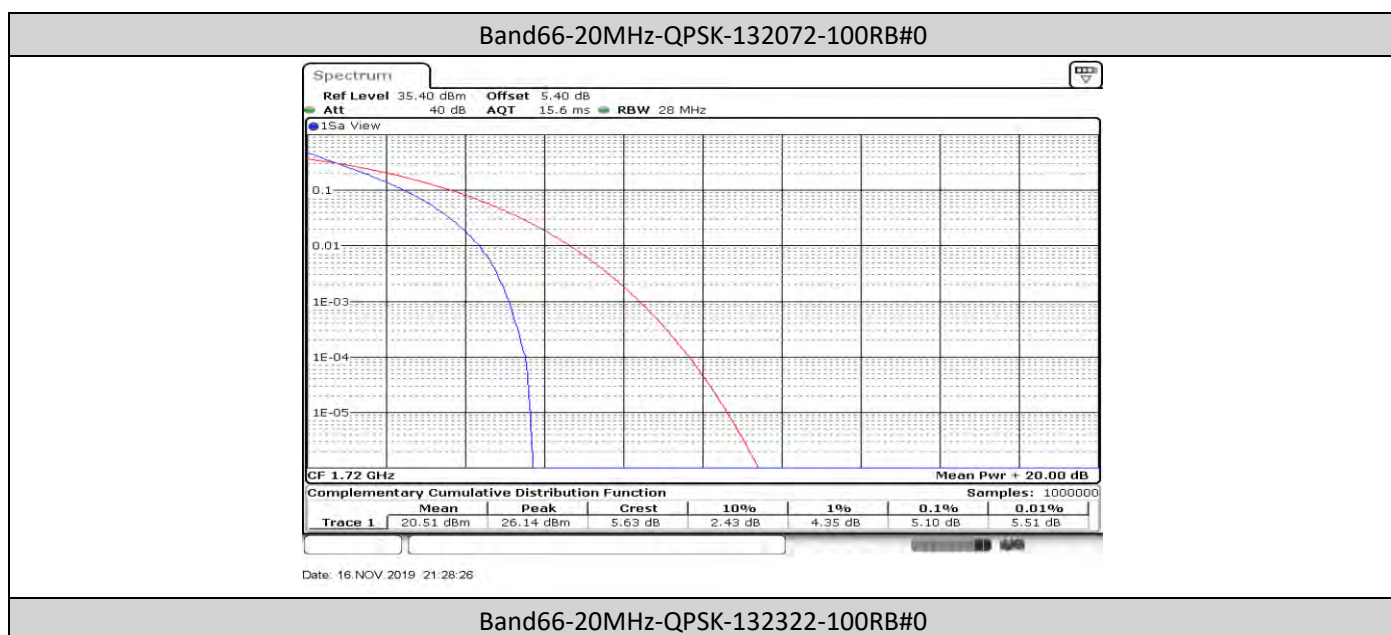


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.10	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.07	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.00	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.97	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.91	13	PASS

2.2. Test Plots





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



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



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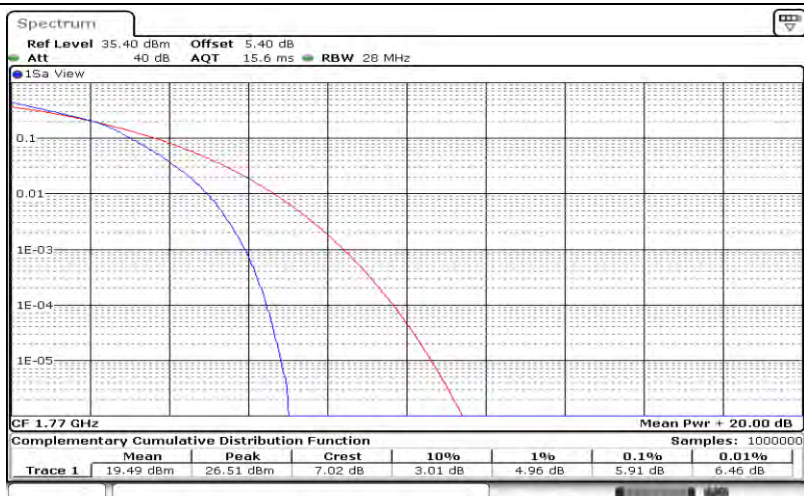


Band66-20MHz-16QAM-132322-100RB#0



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





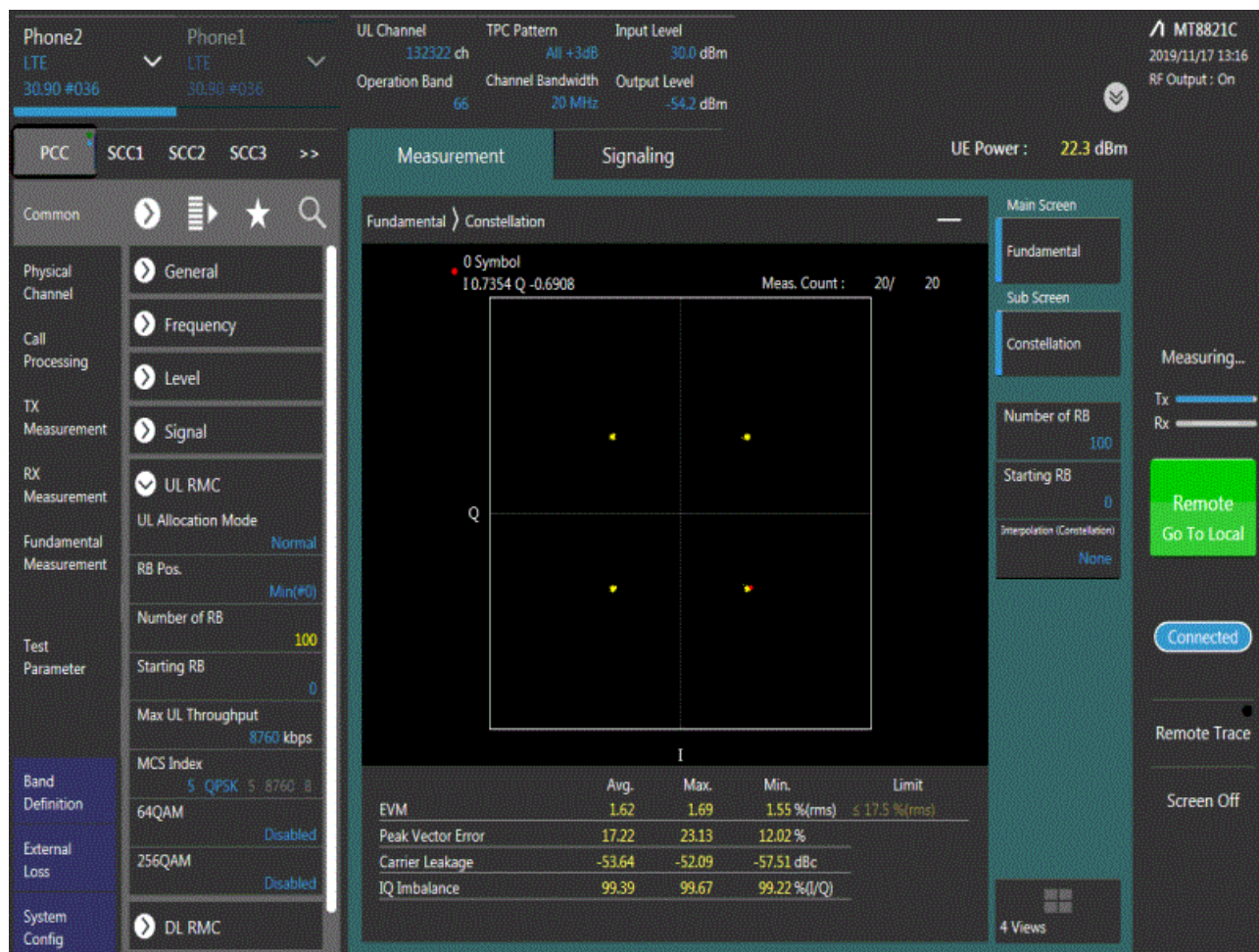
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

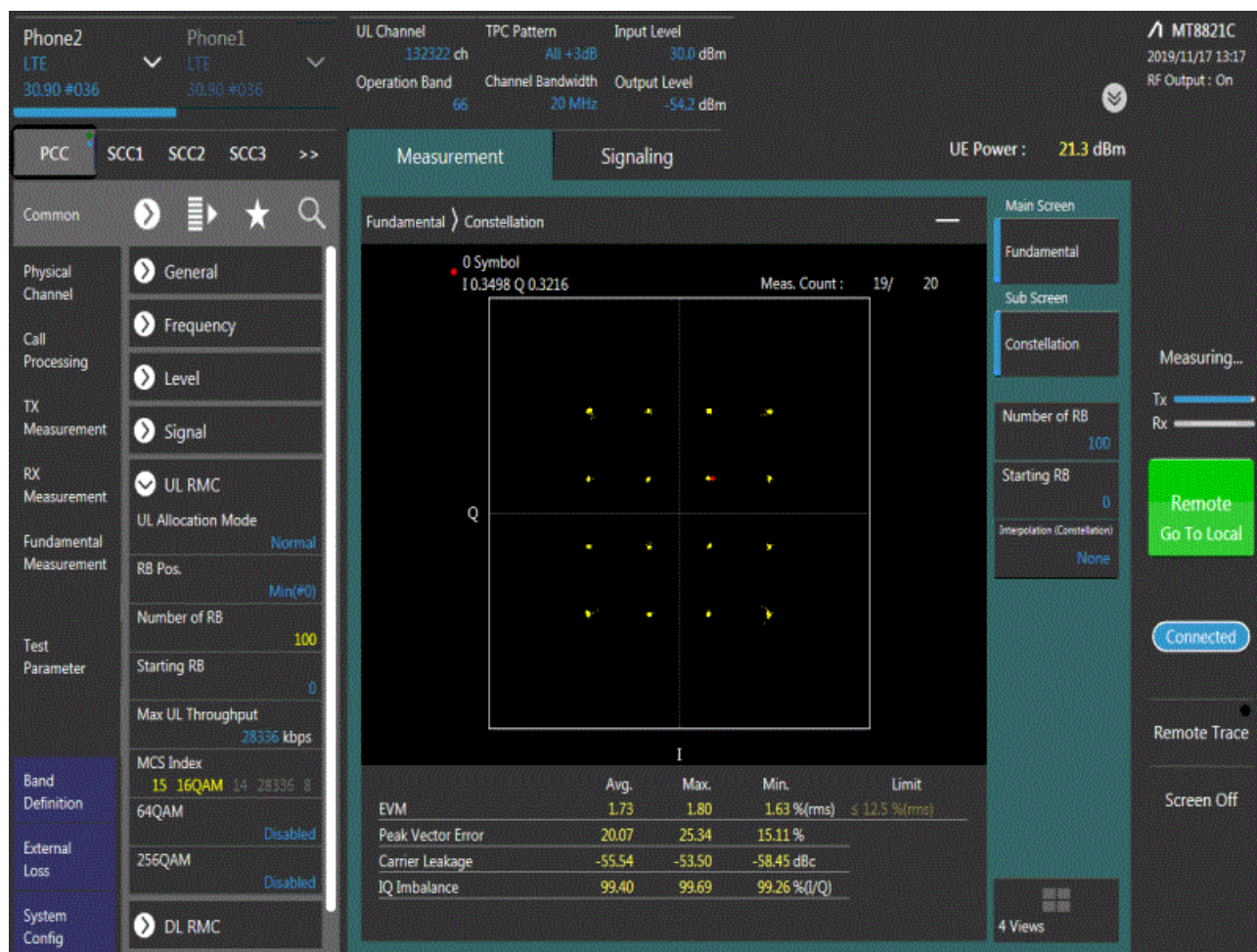
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





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	1.088	1.281	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.284	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.088	1.281	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.290	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.293	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.284	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.691	2.922	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	2.922	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.691	2.928	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.679	2.910	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.673	2.898	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.673	2.886	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	5.080	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.090	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	5.060	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.496	5.110	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	5.070	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	5.080	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.951	9.920	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.931	9.920	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.931	9.920	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.951	9.860	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.951	9.960	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.951	9.960	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.516	15.780	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.516	15.060	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.516	15.120	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.487	15.120	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.487	15.210	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.487	15.120	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.942	19.720	PASS



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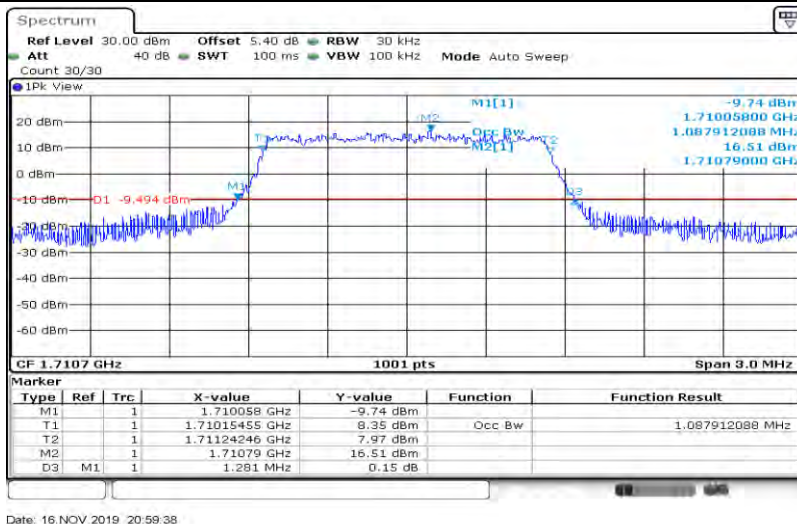
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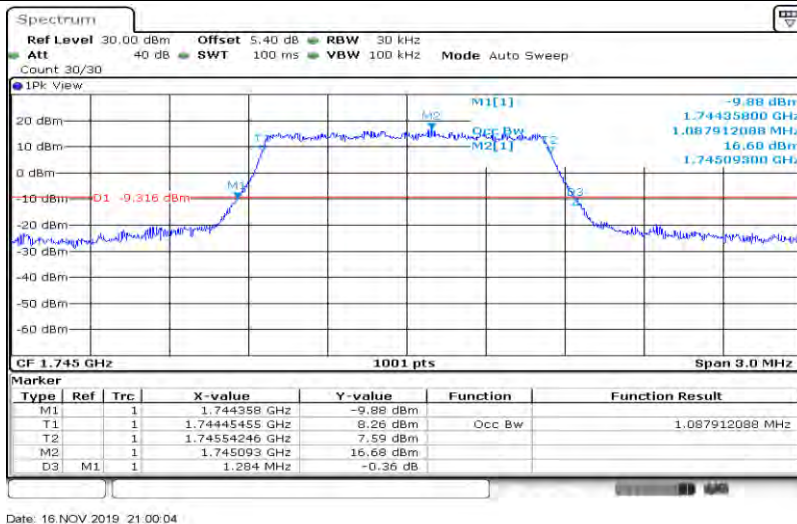
Band66	20MHz	QPSK	132322	100RB#0	17.862	19.680	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.942	19.760	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.902	19.600	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.902	19.720	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.942	19.840	PASS

4.2. Test Plots

Band66-1.4MHz-QPSK-131979-6RB#0-1.088

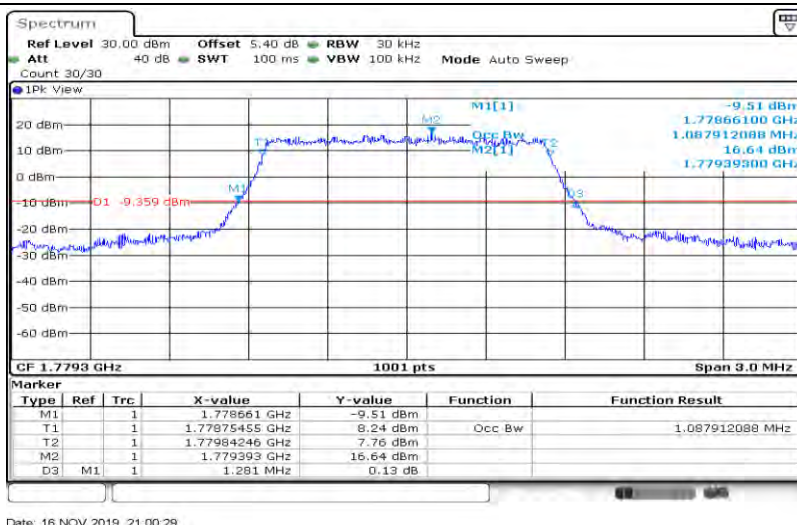


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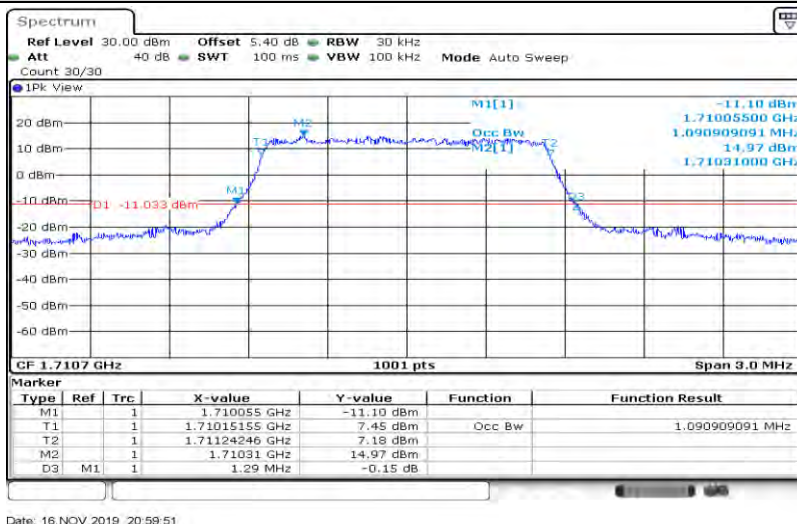


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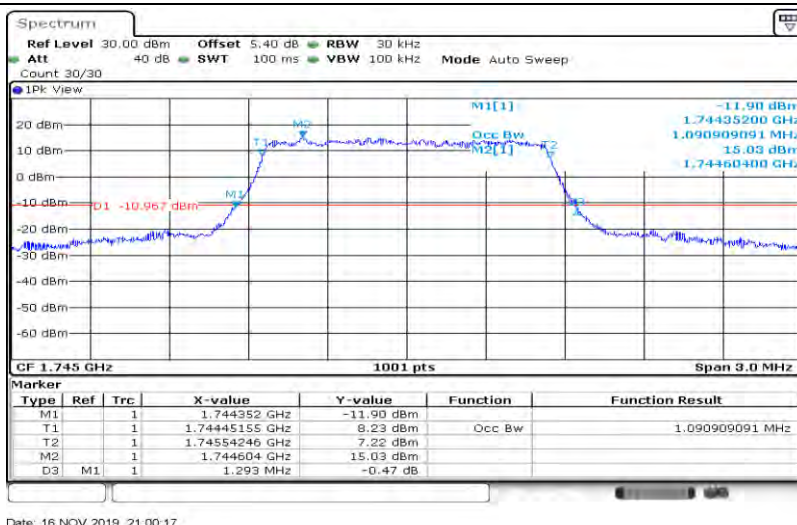


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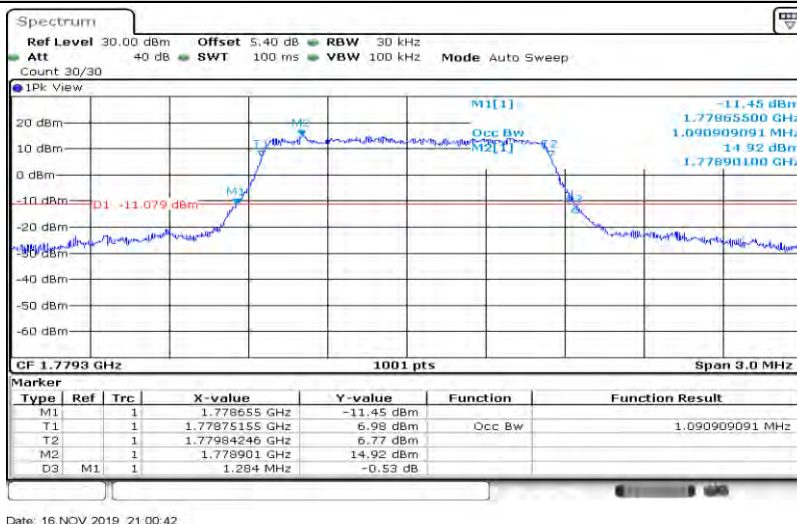


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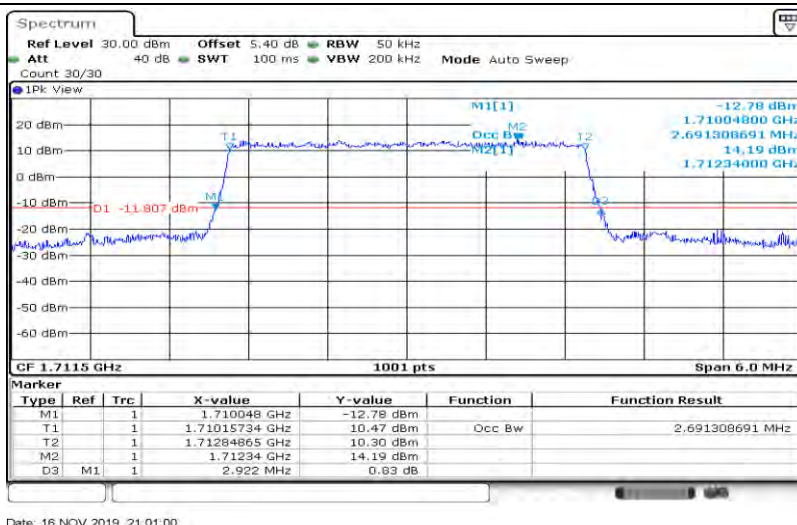


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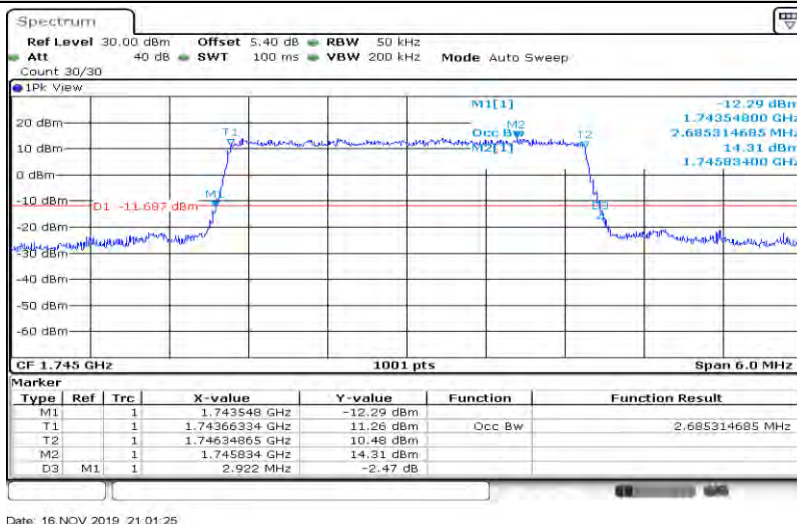


Band66-3MHz-QPSK-131987-15RB#0-2.691



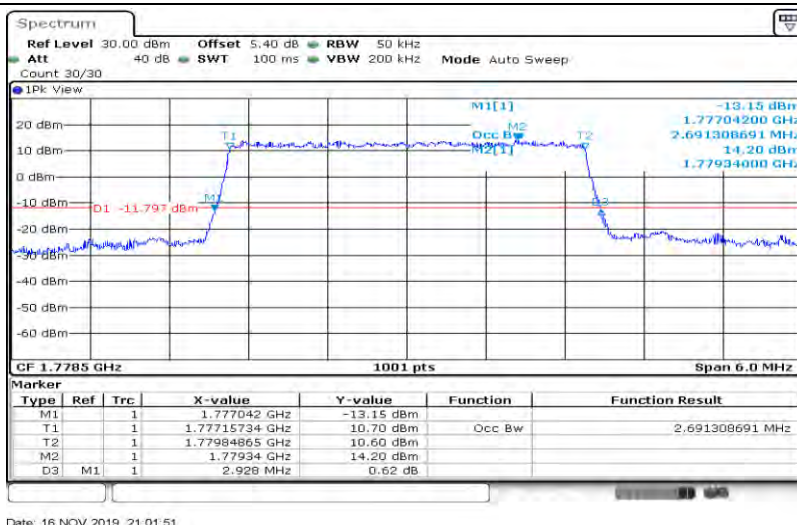


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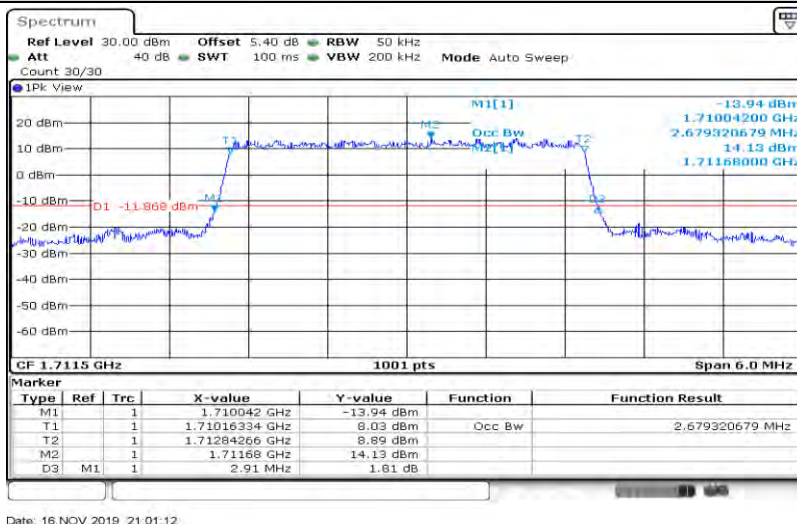


Band66-3MHz-QPSK-132657-15RB#0-2.691





Band66-3MHz-16OAM-131987-15RB#0-2.679



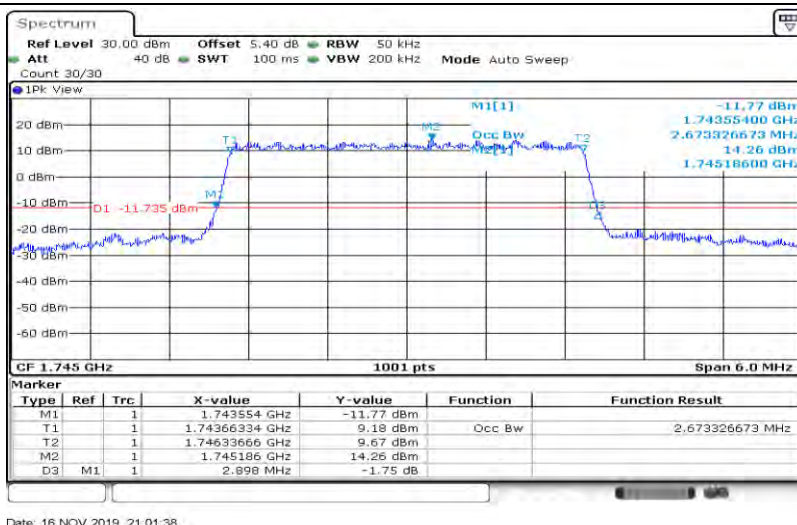
Band66-3MHz-16QAM-132322-15RB#0-2.673



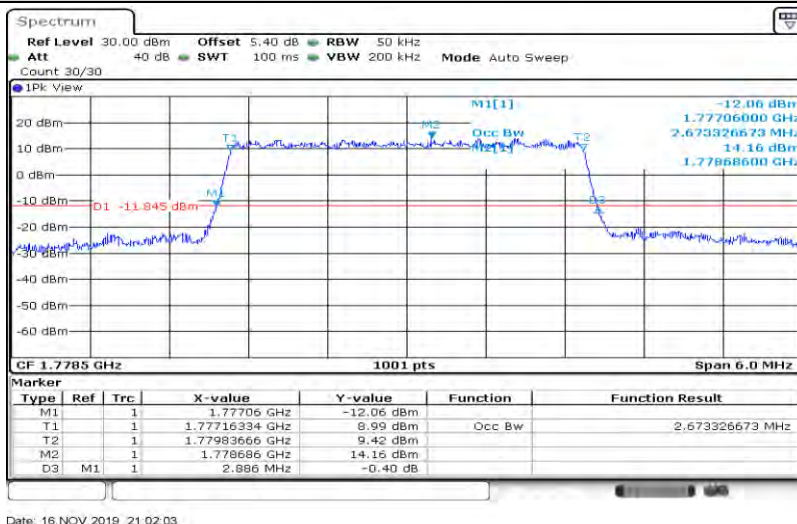
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Band66-3MHz-16QAM-132657-15RB#0-2.673



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

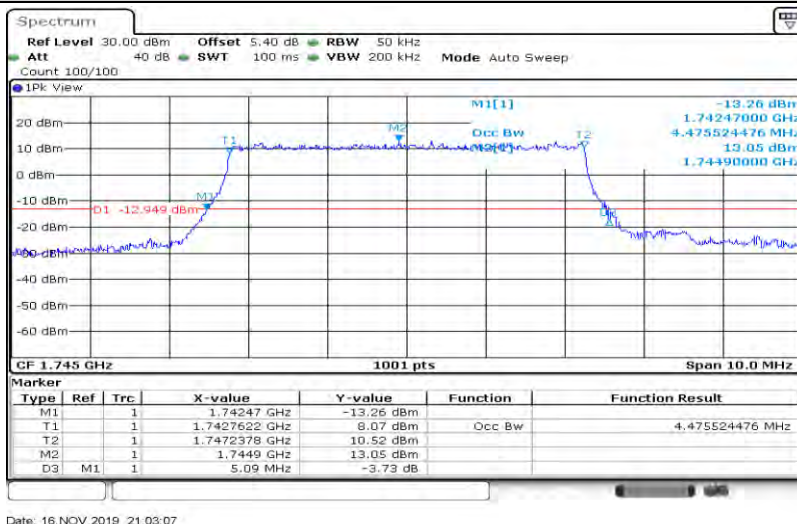


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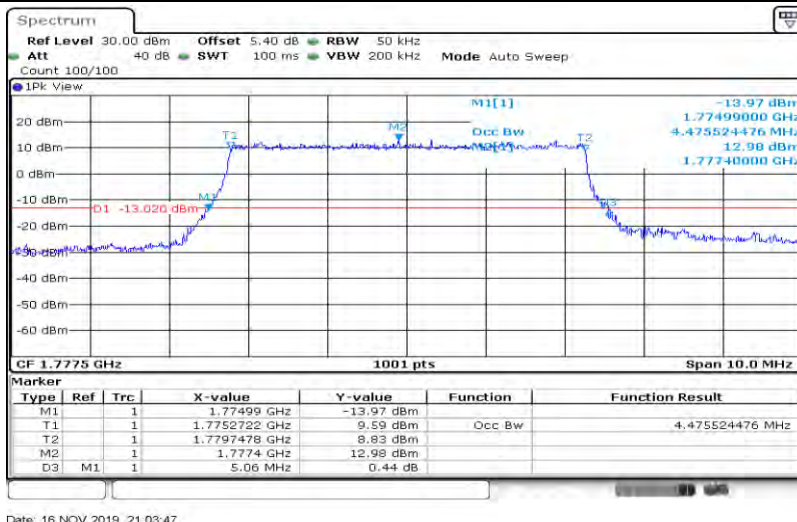


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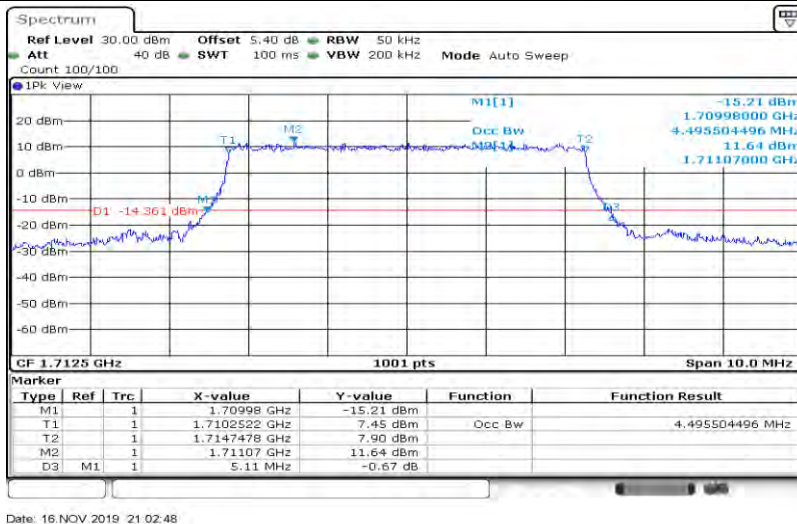


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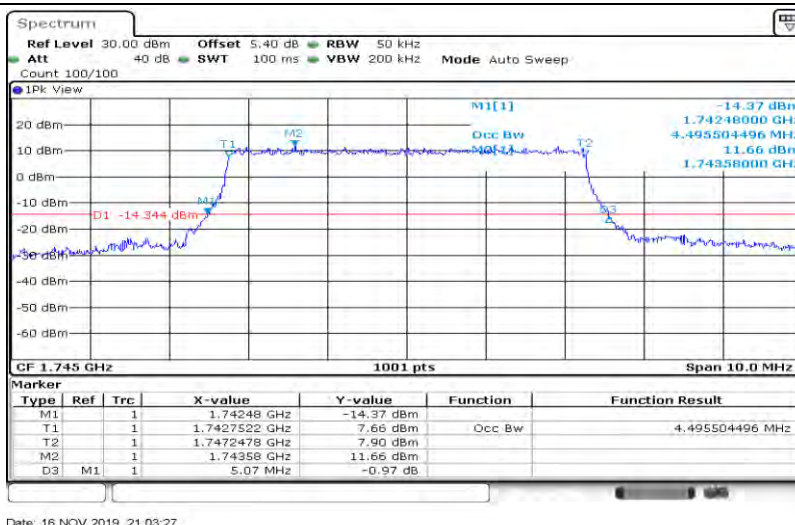


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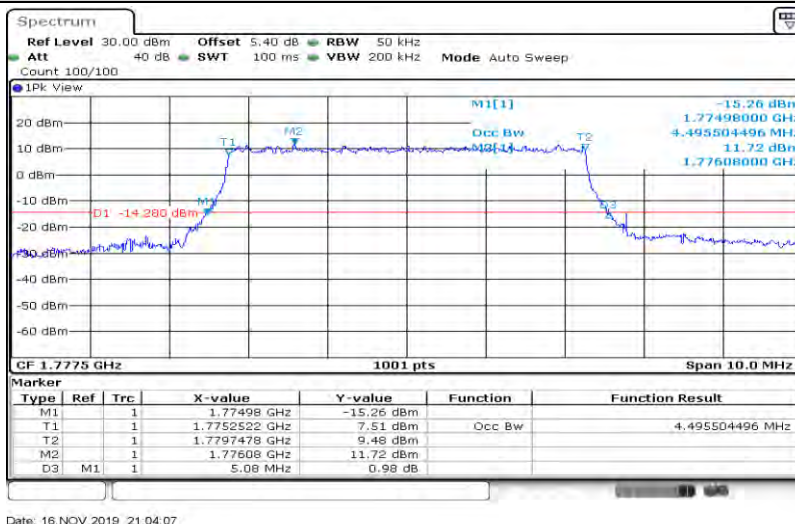


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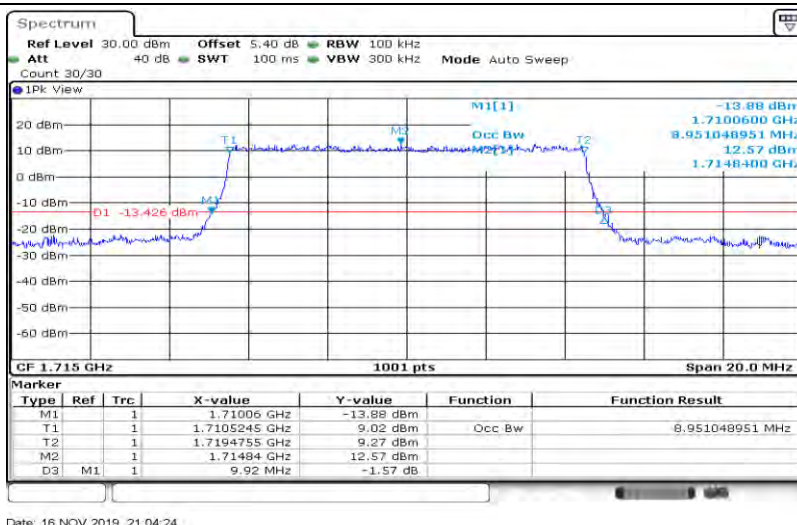


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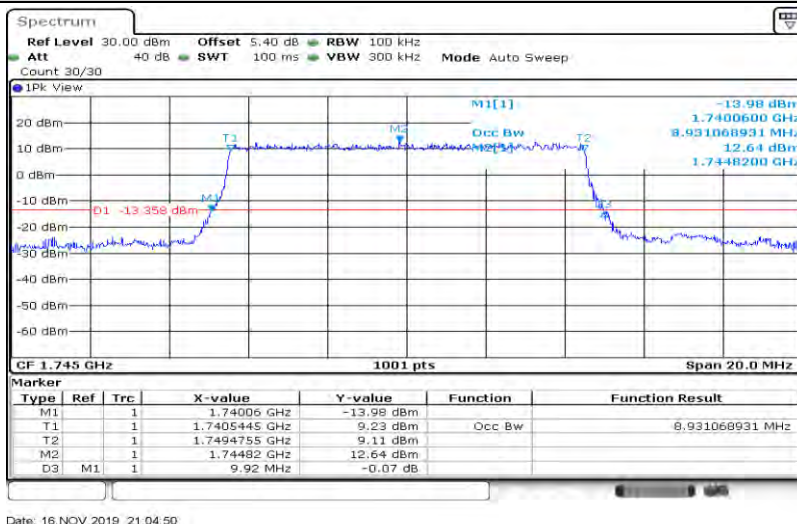


Band66-10MHz-QPSK-132022-50RB#0-8.951





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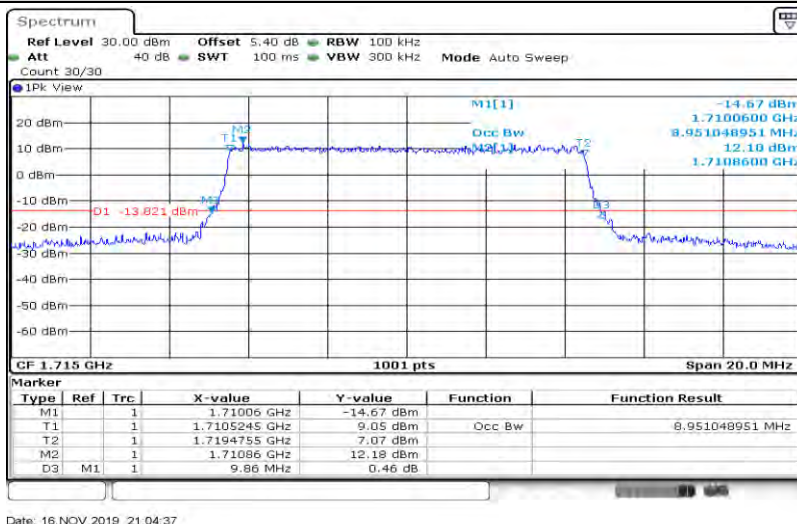


Band66-10MHz-QPSK-132622-50RB#0-8.931





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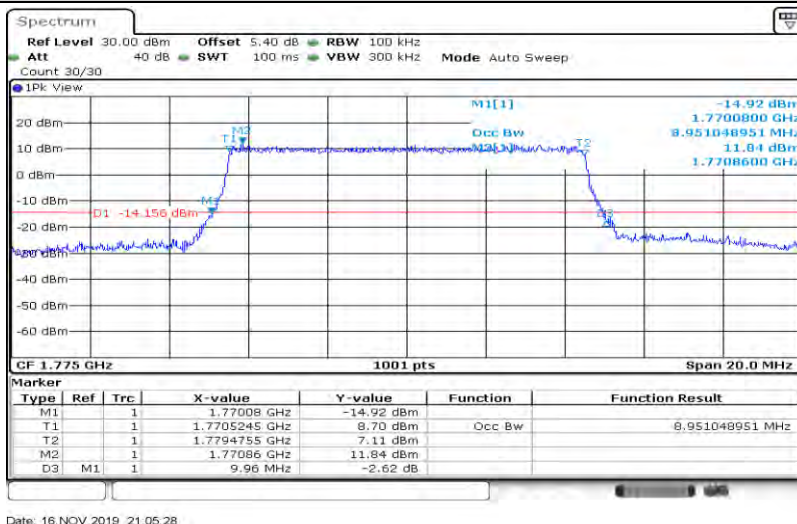


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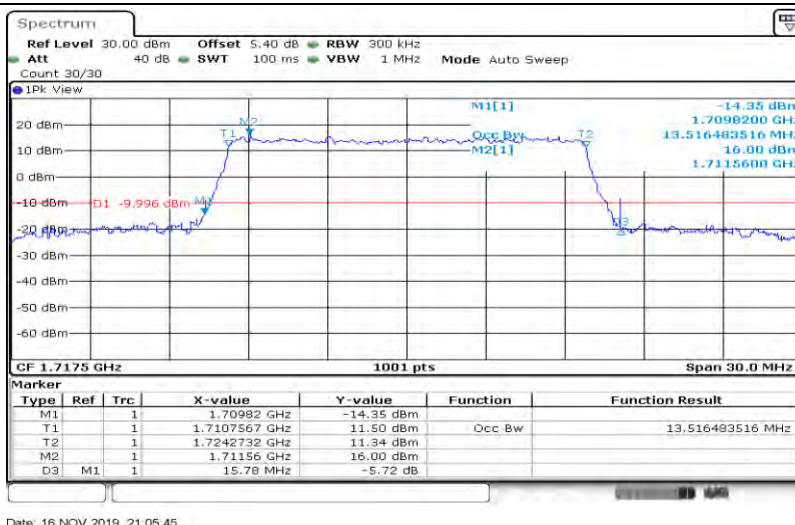


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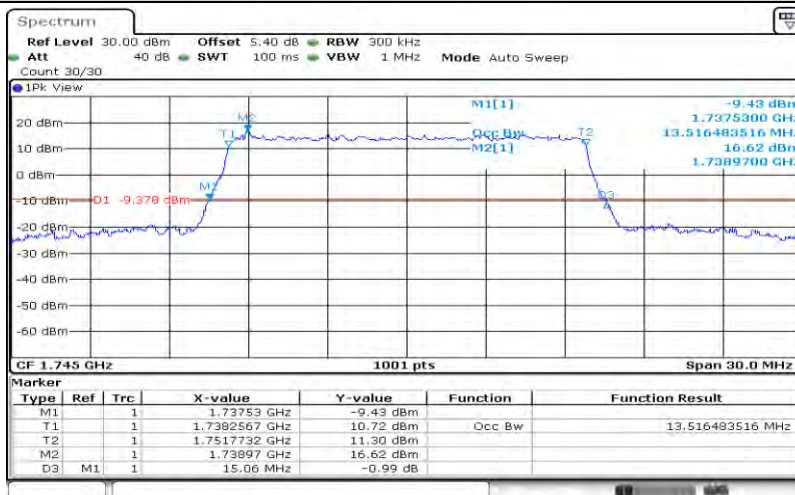
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Date: 16.NOV.2019 21:05:45

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Date: 16.NOV.2019 21:06:11

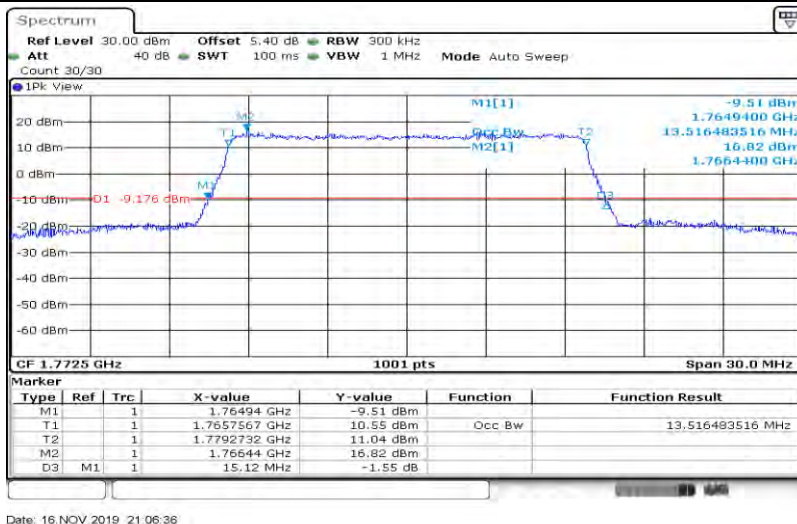
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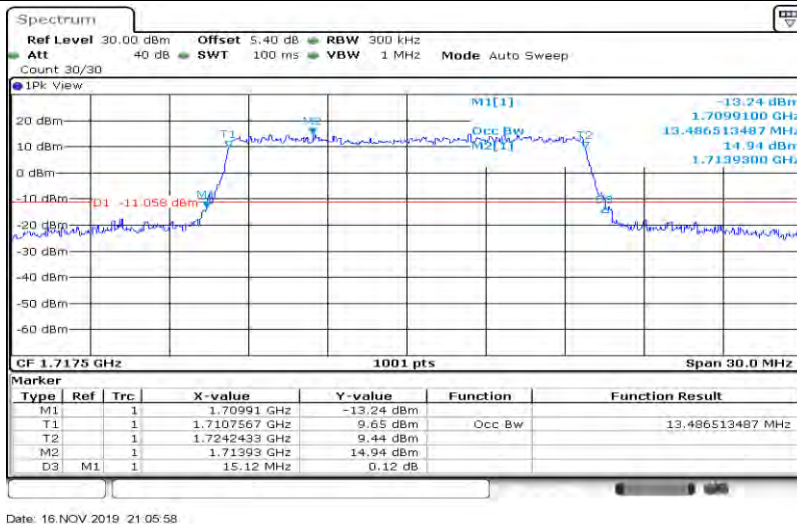
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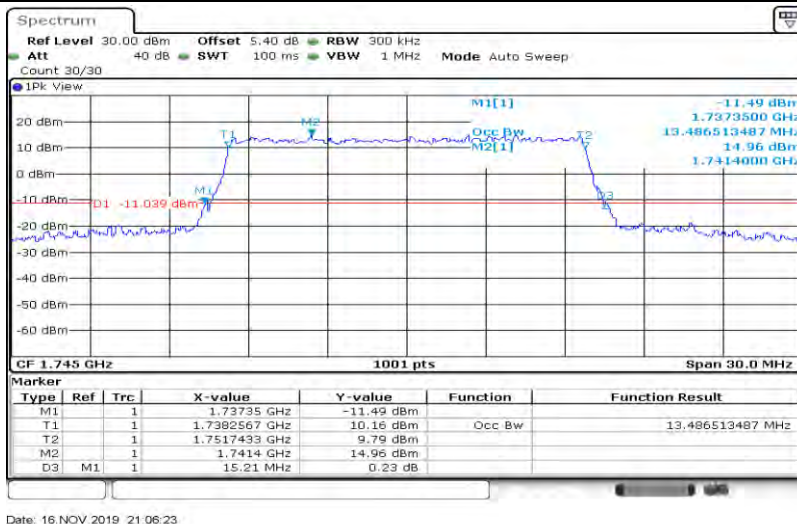


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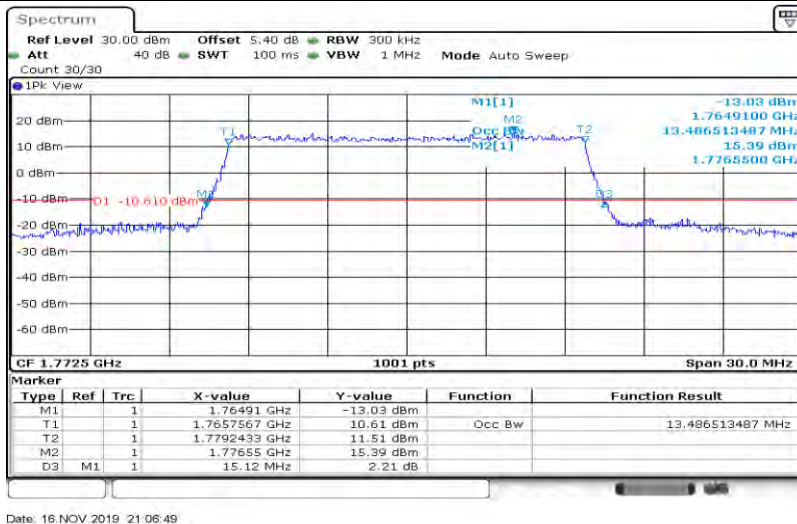


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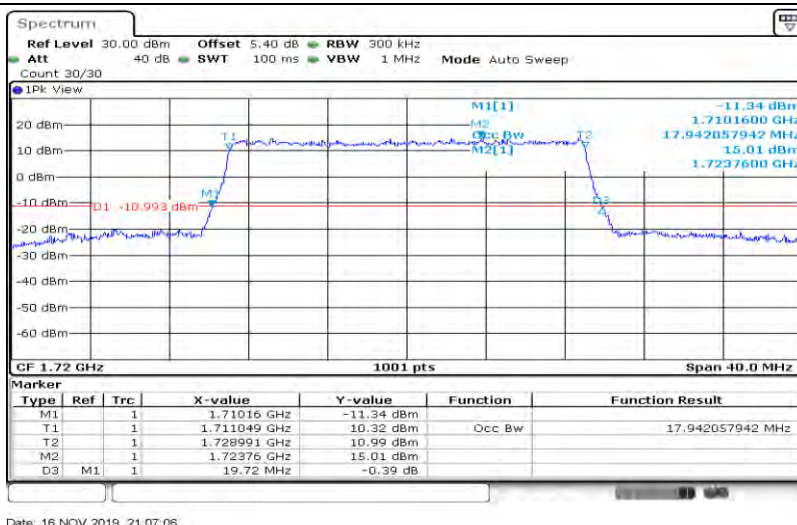


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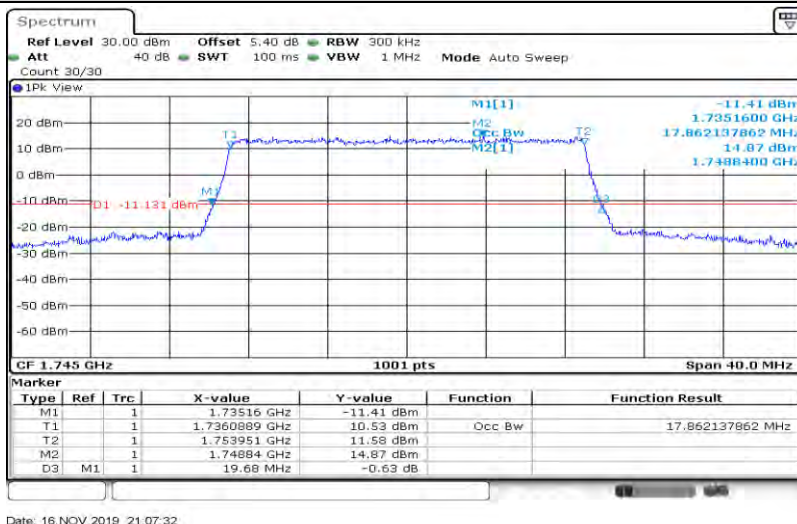


Band66-20MHz-QPSK-132072-100RB#0-17.942





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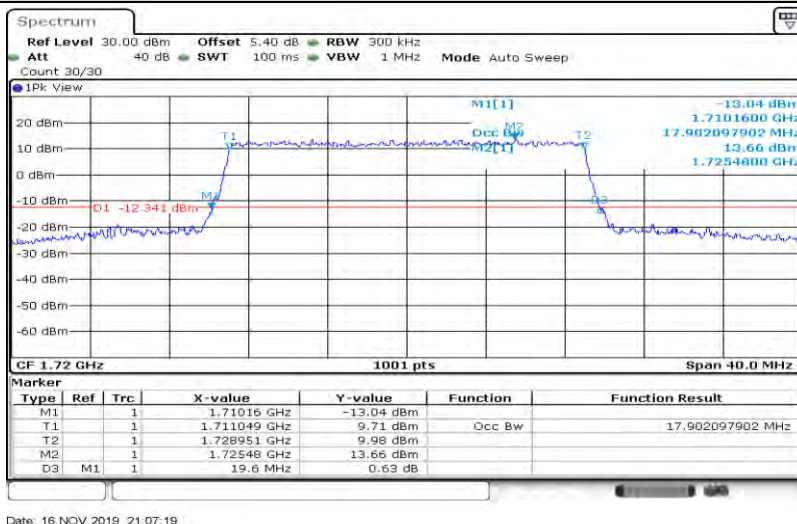


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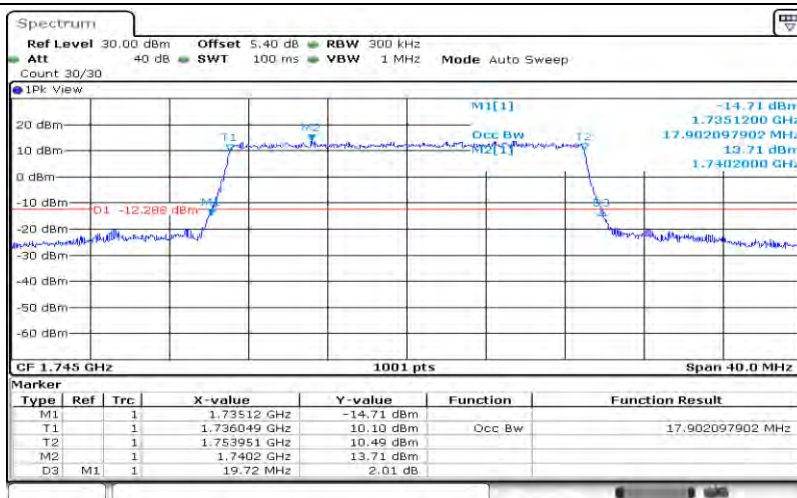


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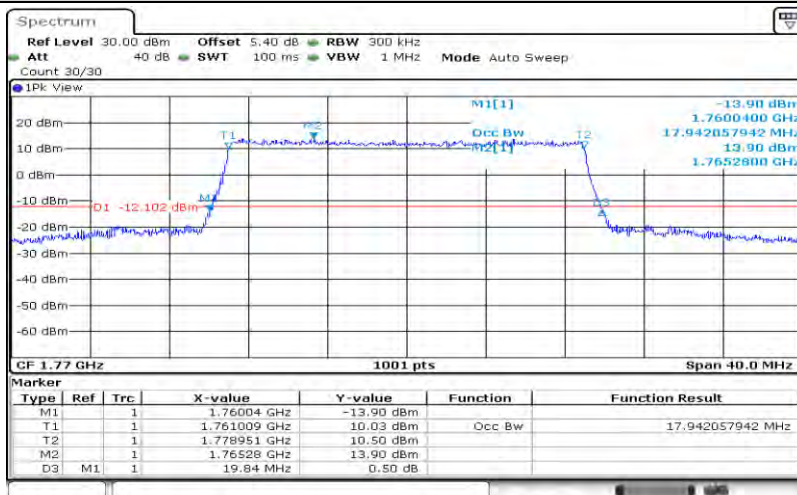
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Date: 16.NOV.2019 21:07:45

Band66-20MHz-16QAM-132572-100RB#0-17.942



Date: 16.NOV.2019 21:08:10



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5. Band Edge Compliance

5.1. Test Plots

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



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



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



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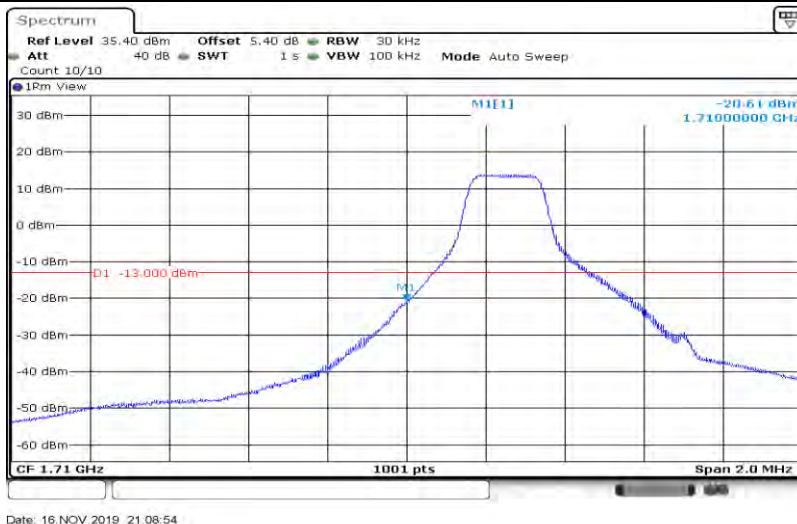


Band66-1.4MHz-QPSK-132665-6RB#0



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





Date: 16.NOV.2019 21:08:54

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



Date: 16.NOV.2019 21:09:33

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



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



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





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



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





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



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





Date: 16.NOV.2019 21:11:39

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



Date: 16.NOV.2019 21:12:18

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



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



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





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





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



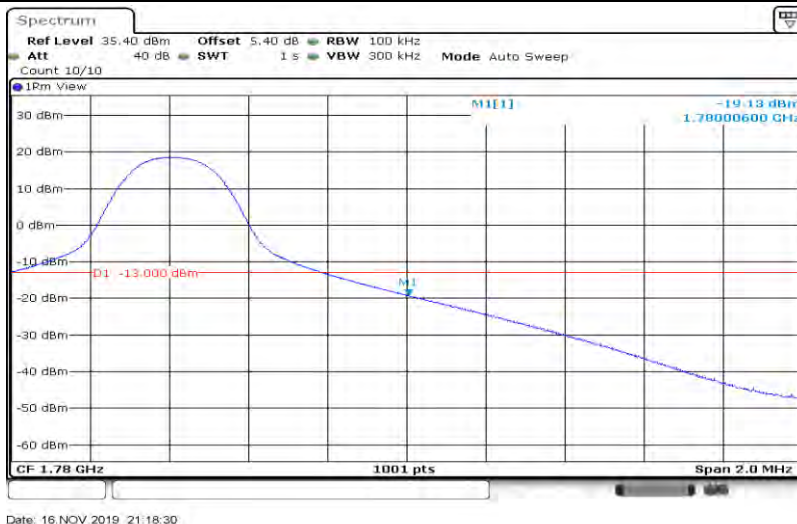


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Band66-10MHz-16QAM-132622-1RB#49





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



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





Date: 16.NOV.2019 21:19:33

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

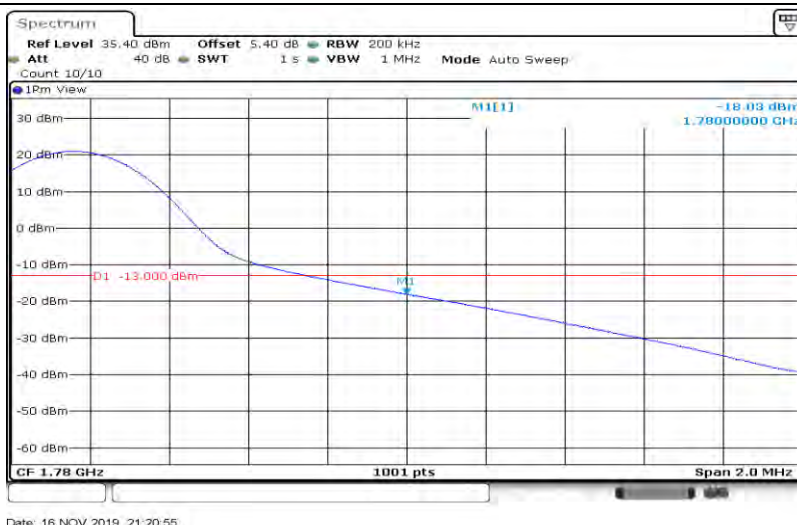


Date: 16.NOV.2019 21:20:12

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



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



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





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



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

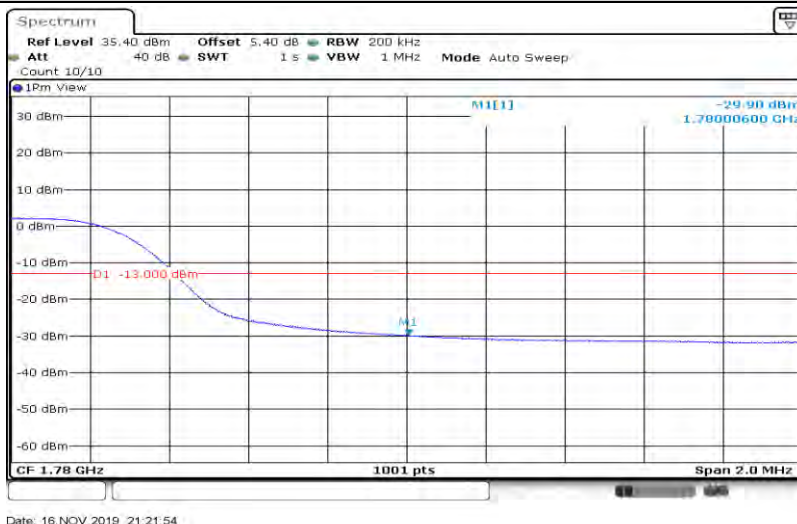


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Date: 16.NOV.2019 21:21:15

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



Date: 16.NOV.2019 21:21:54

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



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



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





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



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





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

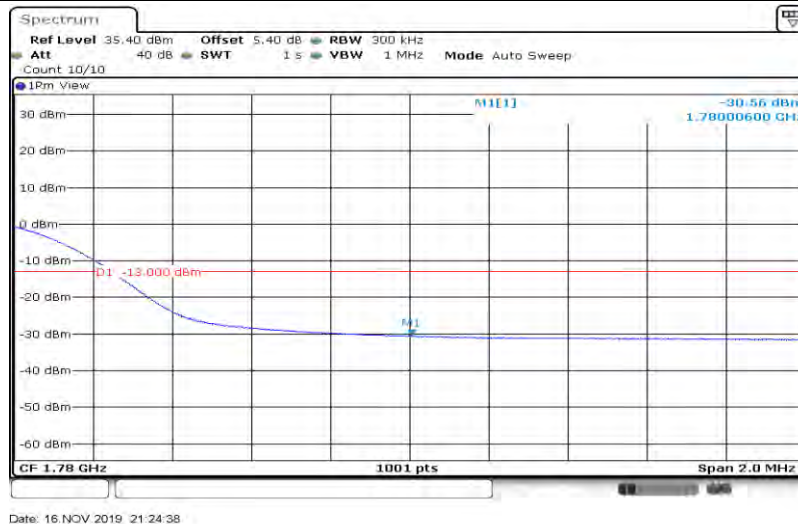


Band66-20MHz-16QAM-132572-1RB#99





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



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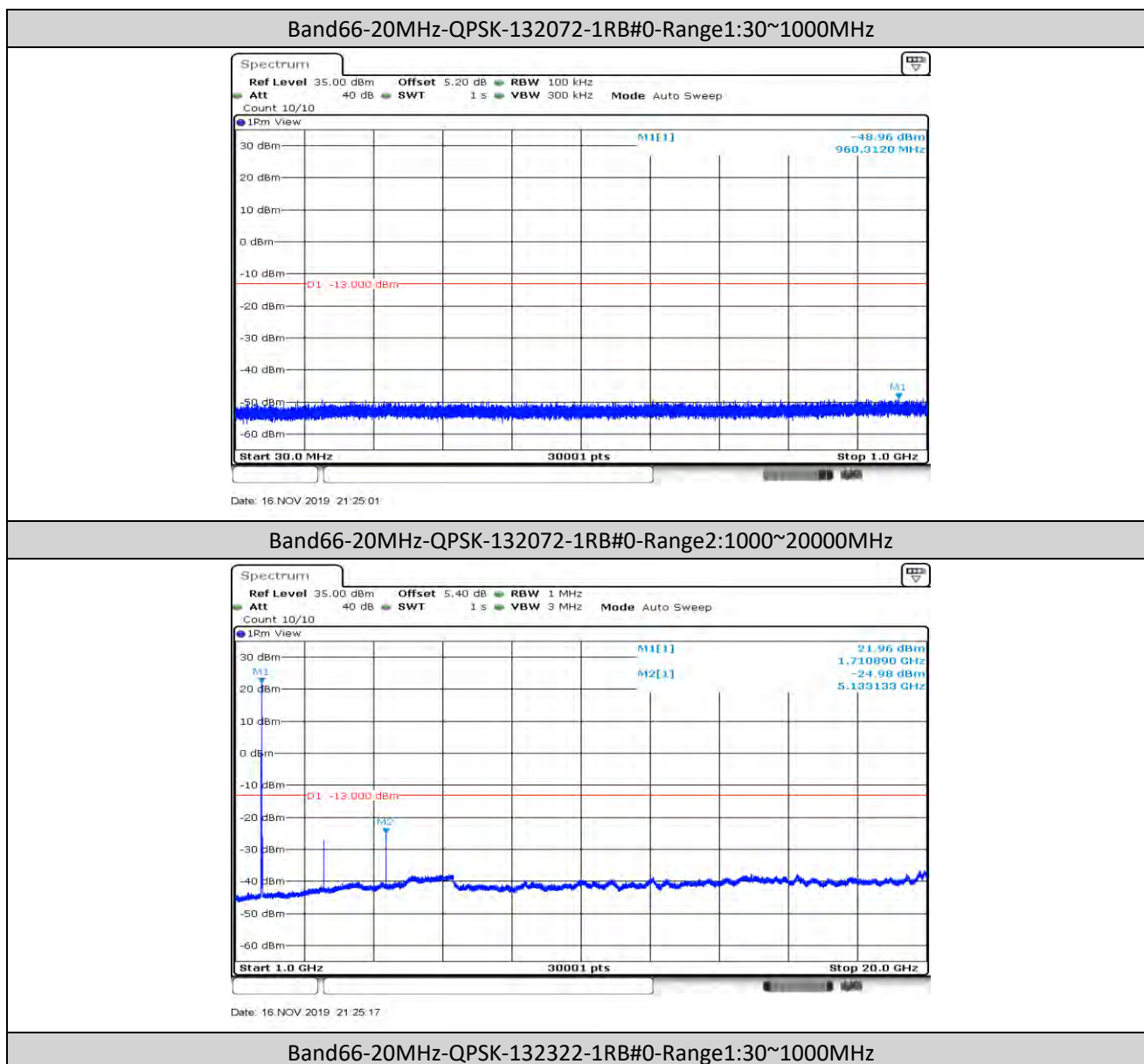


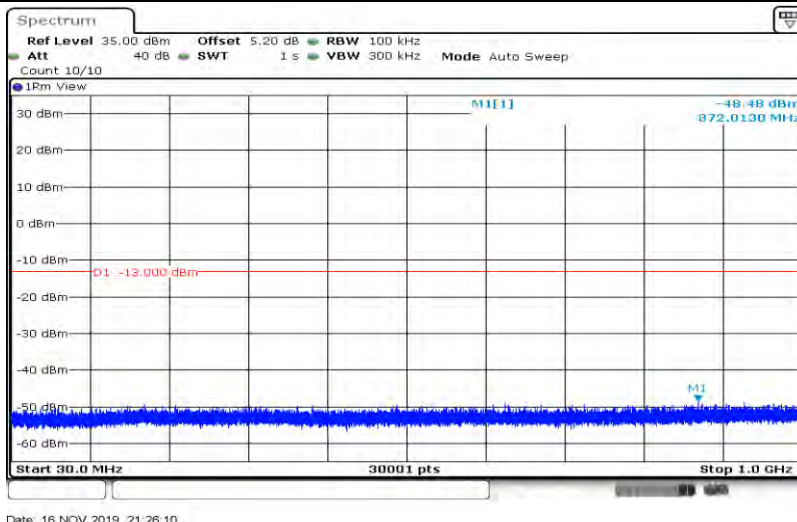
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

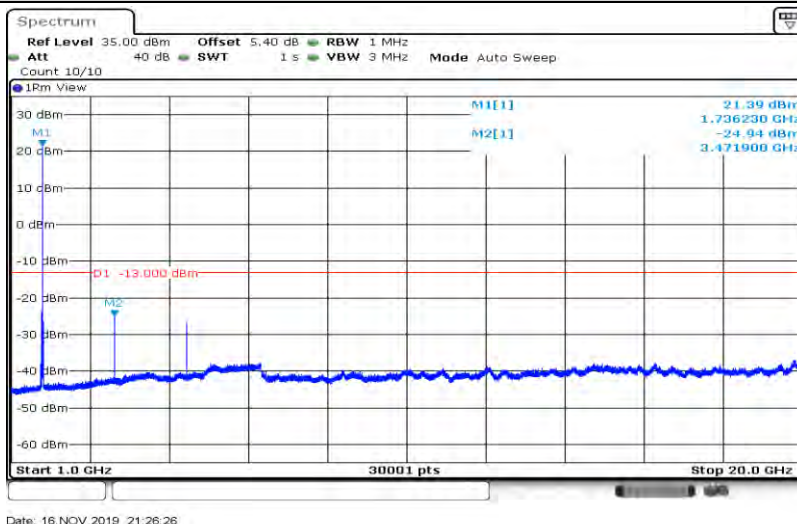
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



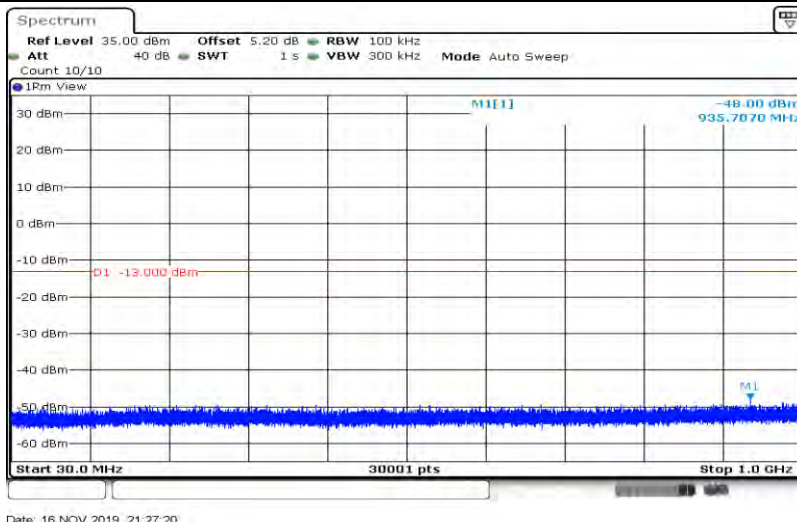


Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz

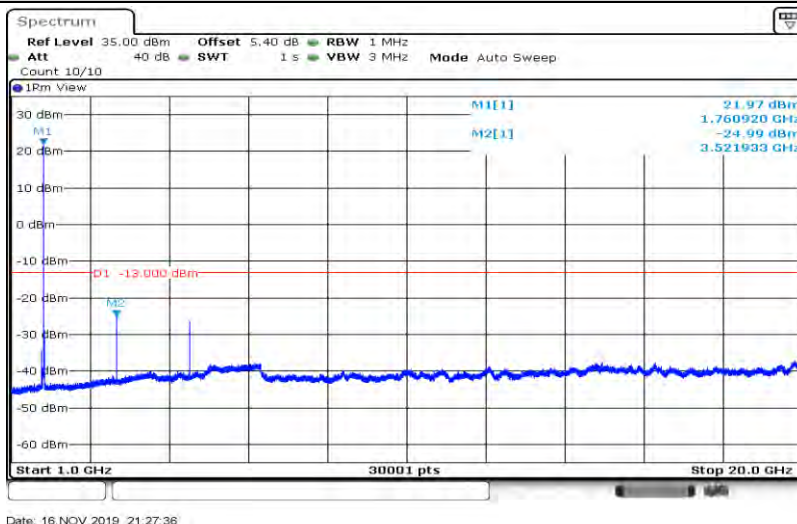


Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



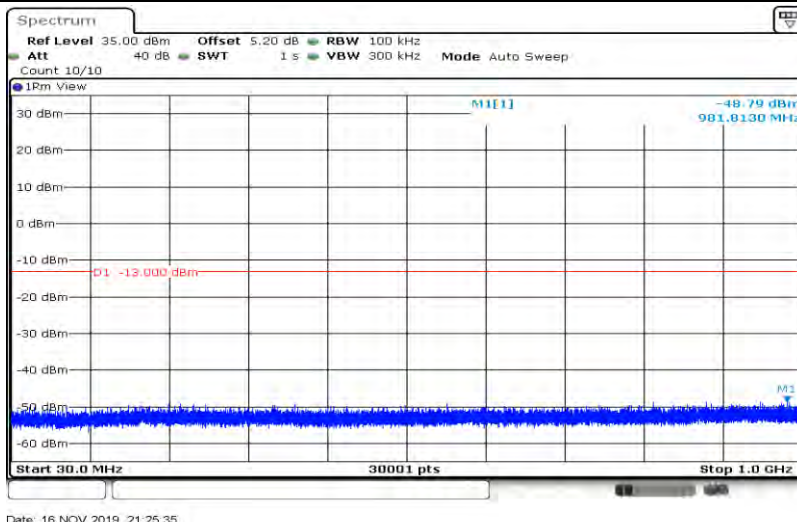


Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz

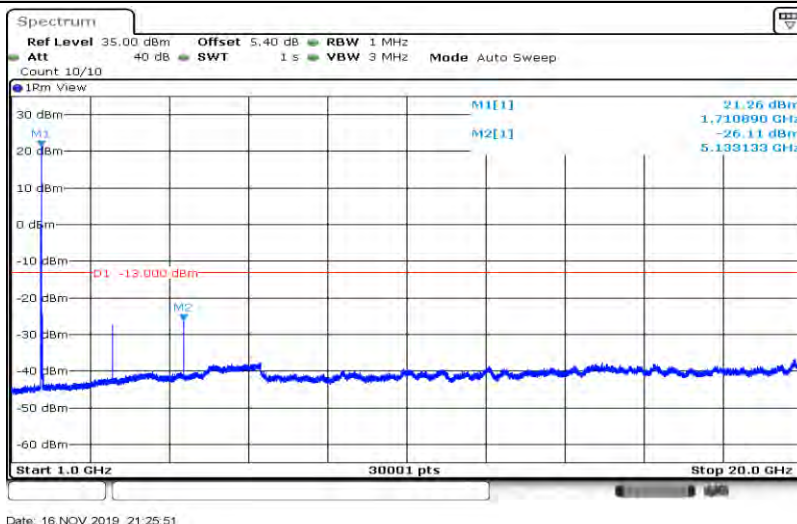


Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz





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



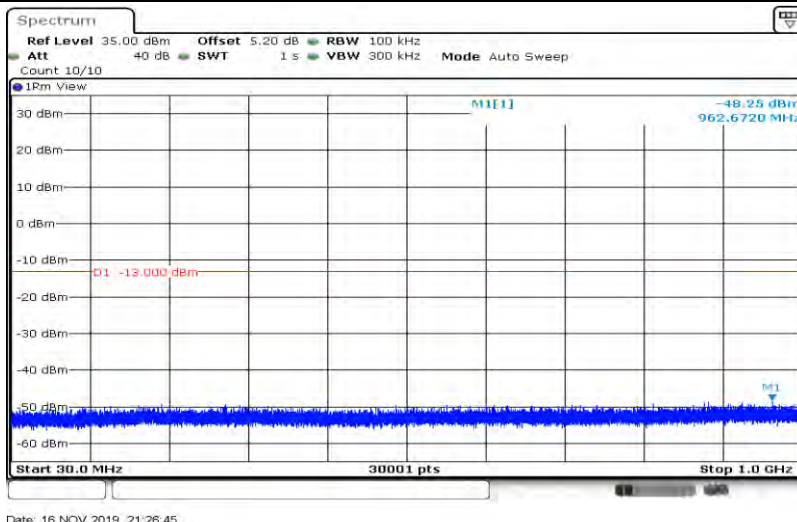
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



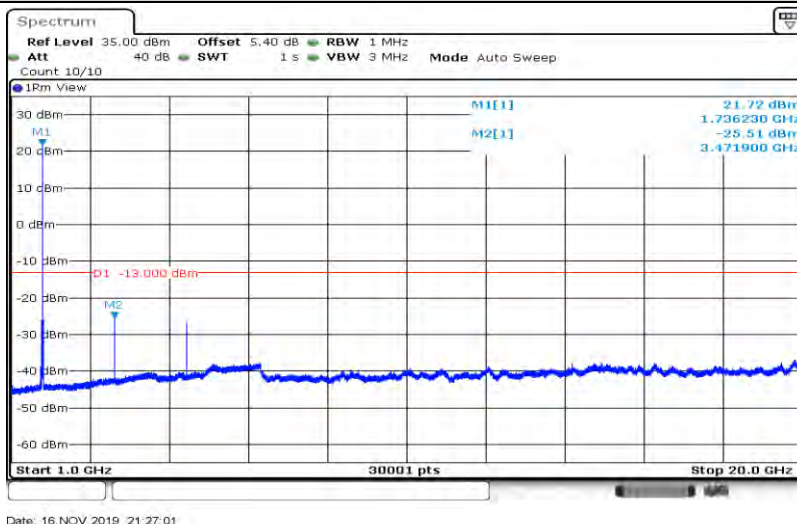
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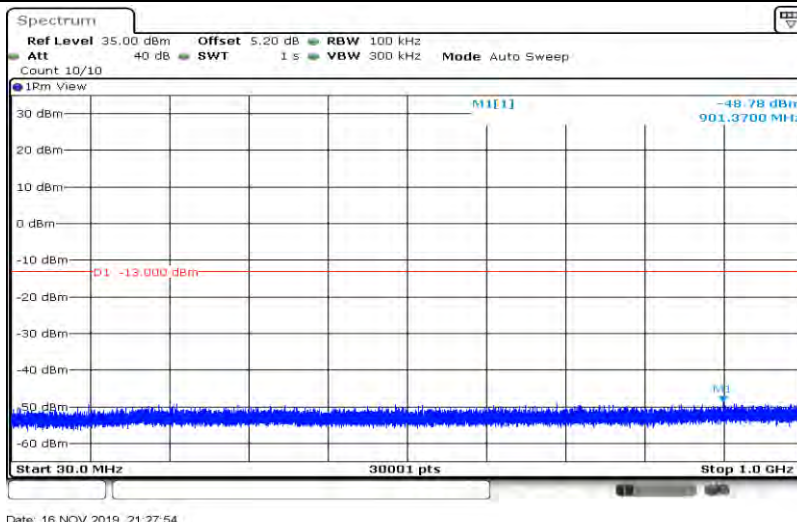


Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz

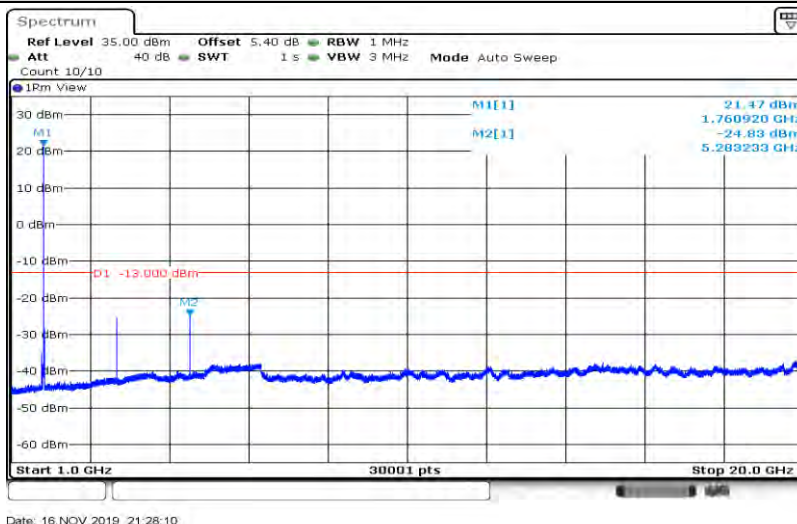


Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz





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

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
35.5778	-76.65	-13.00	63.65	174	193	Vertical
66.6678	-71.53	-13.00	58.53	185	98	Vertical
768.0129	-69.44	-13.00	56.44	162	98	Vertical
3422.0141	-29.99	-13.00	16.99	174	225	Vertical
6844.1281	-45.47	-13.00	32.47	198	66	Vertical
8555.6852	-45.51	-13.00	32.51	172	66	Vertical
35.5778	-56.17	-13.00	43.17	241	352	Horizontal
768.1099	-75.84	-13.00	62.84	258	320	Horizontal
3422.0141	-29.00	-13.00	16.00	263	193	Horizontal
6844.6282	-45.39	-13.00	32.39	274	193	Horizontal
8555.1852	-48.76	-13.00	35.76	259	130	Horizontal
16403.4468	-37.68	-13.00	24.68	258	35	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
66.6193	-70.46	-13.00	57.46	184	4	Vertical
3472.0157	-31.42	-13.00	18.42	175	193	Vertical
5208.5736	-53.25	-13.00	40.25	199	193	Vertical
6944.1315	-43.49	-13.00	30.49	185	162	Vertical
8680.6894	-44.81	-13.00	31.81	172	36	Vertical
12152.3051	-43.19	-13.00	30.19	196	193	Vertical
35.7718	-60.79	-13.00	47.79	241	134	Horizontal
73.5552	-78.30	-13.00	65.30	285	7	Horizontal
540.0030	-69.29	-13.00	56.29	263	40	Horizontal
3472.0157	-28.27	-13.00	15.27	224	229	Horizontal
6944.1315	-44.95	-13.00	31.95	285	292	Horizontal
8680.6894	-47.71	-13.00	34.71	271	103	Horizontal





7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
66.6678	-70.38	-13.00	57.38	281	26	Vertical
121.7181	-73.68	-13.00	60.68	247	198	Vertical
3522.0174	-26.22	-13.00	13.22	241	198	Vertical
7044.1348	-43.92	-13.00	30.92	255	163	Vertical
8805.6935	-43.19	-13.00	30.19	263	26	Vertical
12327.8109	-40.71	-13.00	27.71	265	198	Vertical
35.5778	-61.06	-13.00	48.06	184	167	Horizontal
768.0129	-60.96	-13.00	47.96	174	167	Horizontal
3522.0174	-24.74	-13.00	11.74	195	239	Horizontal
7044.6348	-45.13	-13.00	32.13	188	308	Horizontal
9273.7091	-48.39	-13.00	35.39	175	167	Horizontal
16398.9466	-37.73	-13.00	24.73	162	308	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	-2.50	-0.001453	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-3.20	-0.001860	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	1.50	0.000872	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	1.80	0.001032	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	6.80	0.003897	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-13.40	-0.007679	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	-11.30	-0.006384	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	0.20	0.000113	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	-0.10	-0.000056	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	0.90	0.000523	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	-6.10	-0.003547	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	-14.60	-0.008488	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-0.60	-0.000344	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-6.80	-0.003897	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-14.40	-0.008252	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	0.70	0.000395	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	-3.70	-0.002090	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	-5.00	-0.002825	±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	-10.20	-0.005930	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-6.40	-0.003721	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-8.80	-0.005116	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-0.30	-0.000174	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-8.60	-0.005000	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-7.20	-0.004126	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-1.80	-0.001032	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-10.50	-0.006017	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-6.20	-0.003553	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-8.10	-0.004642	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	-0.60	-0.000339	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	0.10	0.000056	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	-3.70	-0.002090	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-1.80	-0.001017	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-1.30	-0.000734	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-6.30	-0.003663	±2.5	PASS



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Band66	20MHz	16QAM	132072	100RB#0	NV	-20	1.40	0.000814	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	-11.00	-0.006395	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-2.60	-0.001512	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	0.80	0.000465	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-3.80	-0.002178	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-1.60	-0.000917	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	2.10	0.001203	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-7.20	-0.004126	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-2.90	-0.001662	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	-11.80	-0.006667	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-6.80	-0.003842	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-5.30	-0.002994	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	2.20	0.001243	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	-3.00	-0.001695	±2.5	PASS



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