



# Appendix B

## E-UTRA BAND 2

## CONTENT

1.	EFFECTIVE (ISOTROPIC) RADIATED POWER .....	3
1.1.	<i>Test Result</i> .....	3
2.	PEAK-TO-AVERAGE RATIO(CCDF).....	10
2.1.	<i>Test Result</i> .....	10
2.2.	<i>Test Plots</i> .....	10
3.	MODULATION CHARACTERISTICS .....	13
3.1.	<i>Test BAND = LTE BAND2</i> .....	13
3.1.1.	<i>Test Mode = LTE /TM1 20MHz</i> .....	13
3.1.1.1.	<i>Test Channel = MCH</i> .....	13
3.1.2.	<i>Test Mode = LTE /TM2 20MHz</i> .....	14
3.1.2.1.	<i>Test Channel = MCH</i> .....	14
4.	26dB BANDWIDTH AND OCCUPIED BANDWIDTH .....	15
4.1.	<i>Test Result</i> .....	15
4.2.	<i>Test Plots</i> .....	16
5.	BAND EDGE COMPLIANCE .....	29
5.1.	<i>Test Plots</i> .....	29
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL .....	46
6.1.	<i>Test Plots</i> .....	46
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	51
7.1.	<i>Test BAND = LTE BAND 2</i> .....	51
7.1.1.	<i>Test Mode =LTE/TM1 20MHz</i> .....	51
7.1.1.1.	<i>Test Channel = LCH</i> .....	51
7.1.1.2.	<i>Test Channel = MCH</i> .....	51
7.1.1.3.	<i>Test Channel = HCH</i> .....	52
8.	FREQUENCY STABILITY.....	53
8.1.	<i>Frequency Vs Voltage</i> .....	53
8.2.	<i>Frequency Vs Temperature</i> .....	53

## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.83	18.03	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.97	18.17	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.13	18.33	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.10	18.30	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.27	18.47	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.22	18.42	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.13	17.33	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.14	18.34	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.26	18.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.23	18.43	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.25	18.45	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.38	18.58	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.42	18.62	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.35	17.55	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.26	18.46	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.40	18.60	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.34	18.54	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.37	18.57	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.48	18.68	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.38	18.58	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.53	17.73	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.71	16.91	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.91	17.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.67	16.87	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.48	17.68	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.22	17.42	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.36	17.56	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.19	16.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.94	17.14	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.36	17.56	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.87	17.07	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.55	17.75	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.17	17.37	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.50	17.70	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.49	16.69	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.06	17.26	33.00	PASS



Band2	1.4MHz	16QAM	19193	1RB#2	22.32	17.52	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.41	17.61	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.70	17.90	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.71	17.91	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.49	17.69	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.38	16.58	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.19	18.39	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.13	18.33	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.06	18.26	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.23	17.43	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.26	17.46	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.12	17.32	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.23	17.43	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.18	18.38	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.23	18.43	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.24	18.44	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.48	17.68	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.40	17.60	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.46	17.66	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.45	17.65	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.41	18.61	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.37	18.57	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.19	18.39	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.85	18.05	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.35	17.55	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.34	17.54	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.48	17.68	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.63	16.83	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.73	16.93	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.75	16.95	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.39	16.59	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.06	16.26	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.17	16.37	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.26	16.46	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.05	17.25	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.97	17.17	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.10	17.30	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.30	16.50	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.40	16.60	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.45	16.65	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.45	16.65	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.04	17.24	33.00	PASS



Band2	3MHz	16QAM	19185	1RB#8	22.13	17.33	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.92	17.12	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.36	16.56	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.43	16.63	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.39	16.59	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.61	16.81	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.17	18.37	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.16	18.36	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.27	18.47	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.24	17.44	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.24	17.44	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.24	17.44	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.14	17.34	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.10	18.30	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.20	18.40	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.30	18.50	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.46	17.66	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.37	17.57	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.37	17.57	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.44	17.64	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.42	18.62	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.36	18.56	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.09	18.29	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.45	17.65	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.30	17.50	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.30	17.50	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.51	17.71	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.70	16.90	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.94	17.14	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.90	17.10	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.31	16.51	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.22	16.42	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.33	16.53	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.27	16.47	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.22	17.42	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.50	17.70	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.97	17.17	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.29	16.49	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.40	16.60	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.51	16.71	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.63	16.83	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.14	17.34	33.00	PASS



Band2	5MHz	16QAM	19175	1RB#12	22.17	17.37	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.00	17.20	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.41	16.61	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.37	16.57	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.32	16.52	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.48	16.68	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.11	18.31	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.66	18.86	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.94	18.14	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.98	18.18	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.49	17.69	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.29	17.49	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.23	17.43	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.26	18.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.63	18.83	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.84	18.04	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.68	17.88	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.40	17.60	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.23	17.43	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.39	17.59	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.32	18.52	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.75	18.95	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.89	18.09	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.87	18.07	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.72	17.92	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.16	17.36	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.48	17.68	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.79	16.99	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.12	17.32	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.33	17.53	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.32	16.52	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.54	16.74	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.45	16.65	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.33	16.53	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.24	17.44	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.00	17.20	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.86	17.06	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.36	16.56	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.44	16.64	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.50	16.70	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.32	16.52	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.96	17.16	33.00	PASS





Band2	10MHz	16QAM	19150	1RB#24	22.09	17.29	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.98	17.18	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.65	16.85	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.67	16.87	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.54	16.74	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.29	16.49	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.95	18.15	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.77	18.97	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.93	18.13	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.28	17.48	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.65	17.85	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.29	17.49	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.22	17.42	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.19	18.39	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.70	18.90	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.75	17.95	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.62	17.82	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.44	17.64	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.15	17.35	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.48	17.68	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.06	18.26	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.39	18.59	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.19	18.39	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.77	17.97	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.54	17.74	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.29	17.49	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.53	17.73	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.23	17.43	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.31	17.51	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.34	17.54	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.22	16.42	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.33	16.53	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.32	16.52	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.36	16.56	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.91	17.11	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.94	17.14	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.94	17.14	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.24	16.44	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.42	16.62	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.59	16.79	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.25	16.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.38	17.58	33.00	PASS



Band2	15MHz	16QAM	19125	1RB#38	21.87	17.07	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.94	17.14	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.55	16.75	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.57	16.77	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.42	16.62	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.46	16.66	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.09	18.29	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.57	18.77	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.77	17.97	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.33	17.53	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.63	17.83	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.29	17.49	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.24	17.44	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.99	18.19	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.81	19.01	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.35	17.55	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.71	17.91	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.43	17.63	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.89	17.09	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.49	17.69	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.96	18.16	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.29	18.49	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.44	17.64	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.70	17.90	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.92	18.12	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.40	17.60	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.43	17.63	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.73	16.93	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.38	17.58	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.77	16.97	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.33	16.53	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.29	16.49	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.36	16.56	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.41	16.61	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.40	17.60	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.33	17.53	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.39	17.59	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.42	16.62	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.48	16.68	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.49	16.69	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.29	16.49	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.90	17.10	33.00	PASS



Band2	20MHz	16QAM	19100	1RB#49	22.26	17.46	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.97	17.17	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.28	16.48	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.36	16.56	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.29	16.49	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.47	16.67	33.00	PASS

Remark:

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

$$ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]$$

$$EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]$$

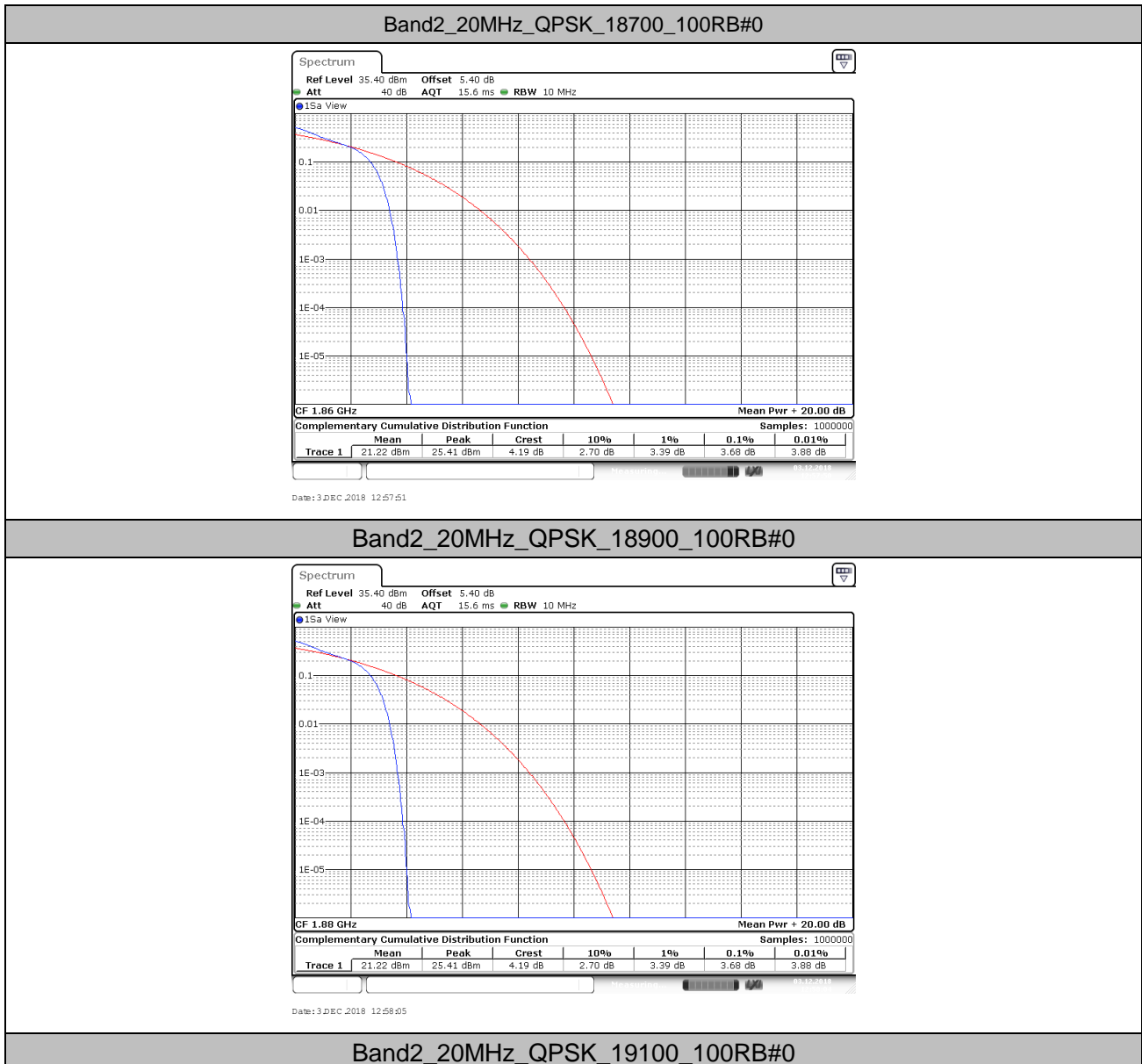
b: SGP=Signal Generator Level

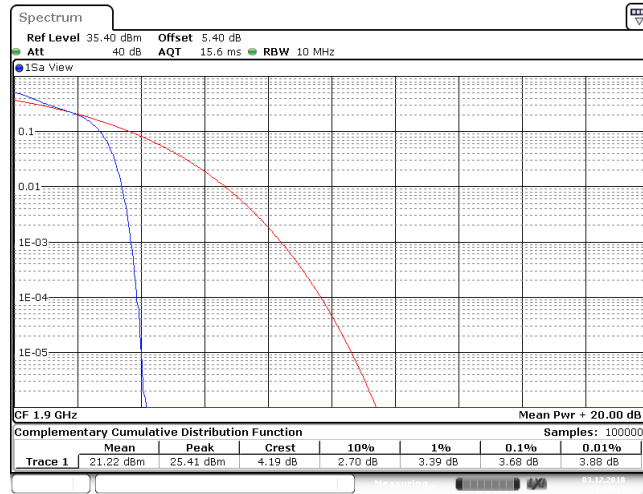
## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	3.68	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	3.68	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	3.68	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	3.68	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	3.68	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	3.68	13	PASS

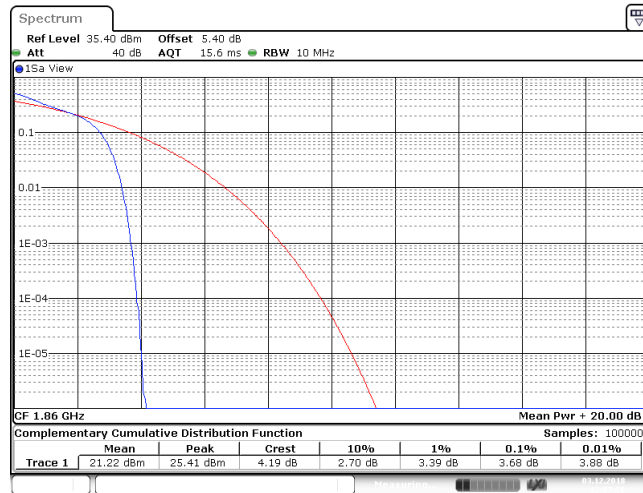
### 2.2. Test Plots





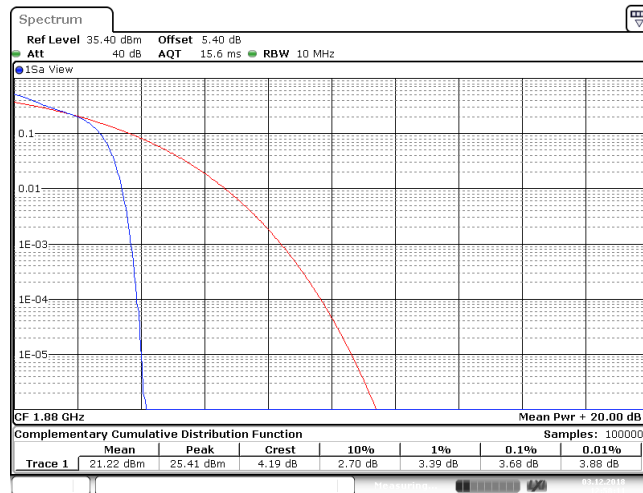
Date: 3 DEC 2018 12:58:19

**Band2\_20MHz\_16QAM\_18700\_100RB#0**



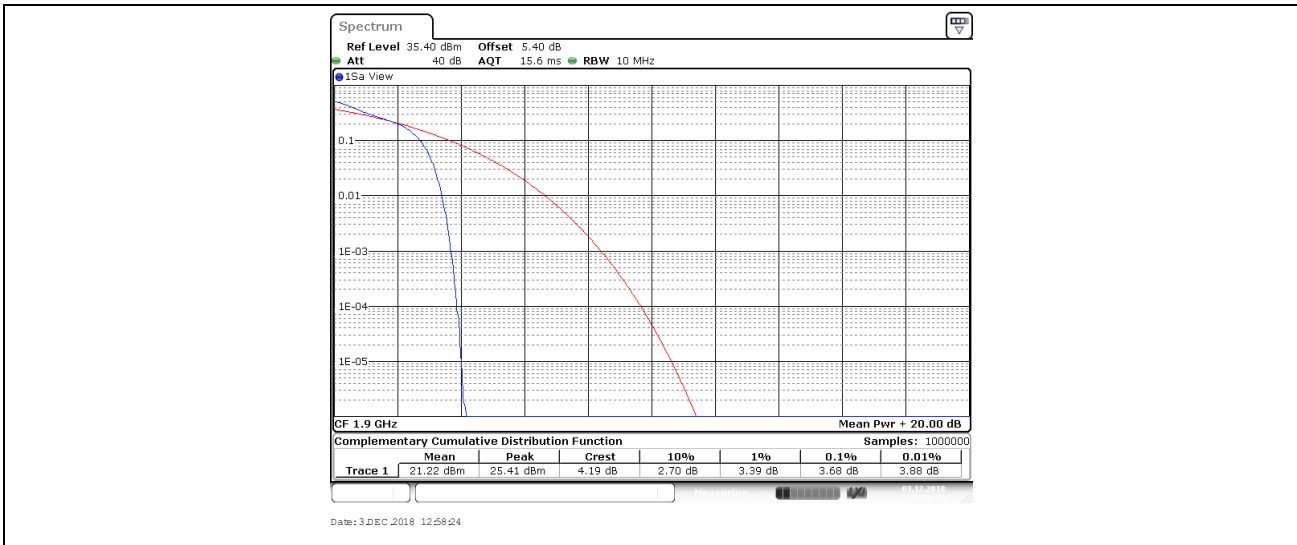
Date: 3 DEC 2018 12:57:57

**Band2\_20MHz\_16QAM\_18900\_100RB#0**



Date: 3 DEC 2018 12:58:11

**Band2\_20MHz\_16QAM\_19100\_100RB#0**

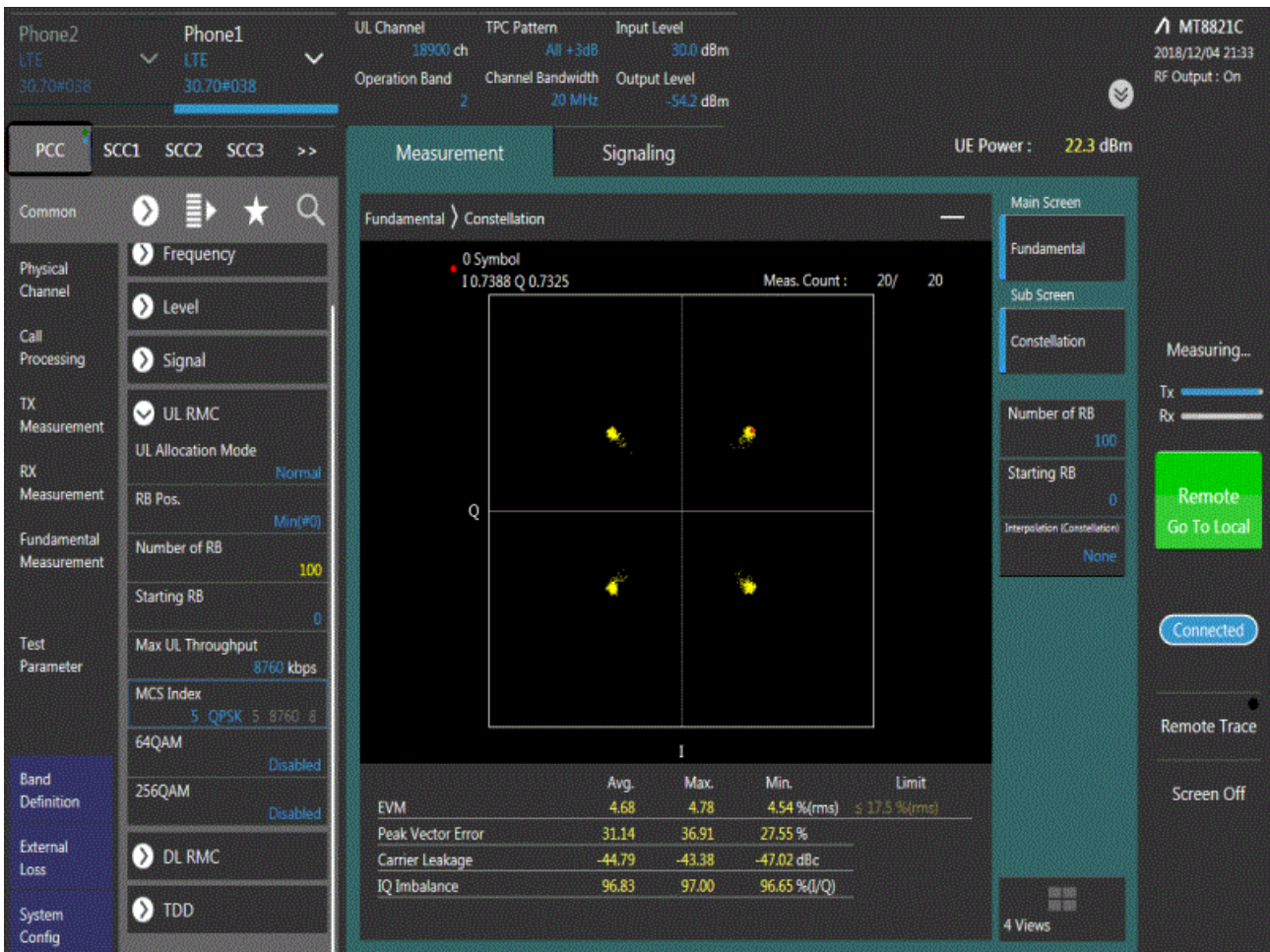


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE BAND2

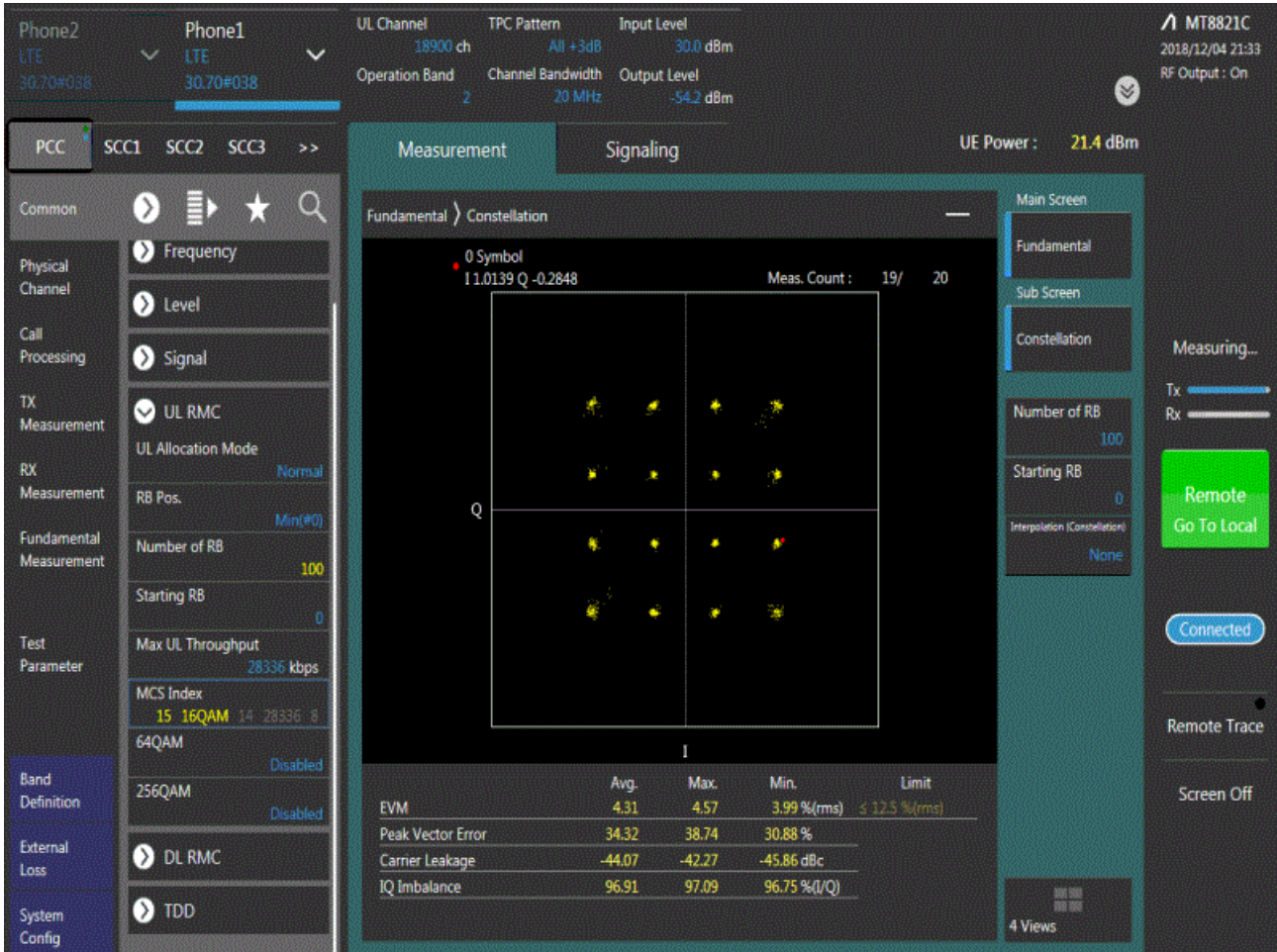
#### 3.1.1. Test Mode = LTE /TM1 20MHZ

#### 3.1.1.1. Test Channel = MCH



### 3.1.2. Test Mode = LTE /TM2 20MHz

#### 3.1.2.1. Test Channel = MCH





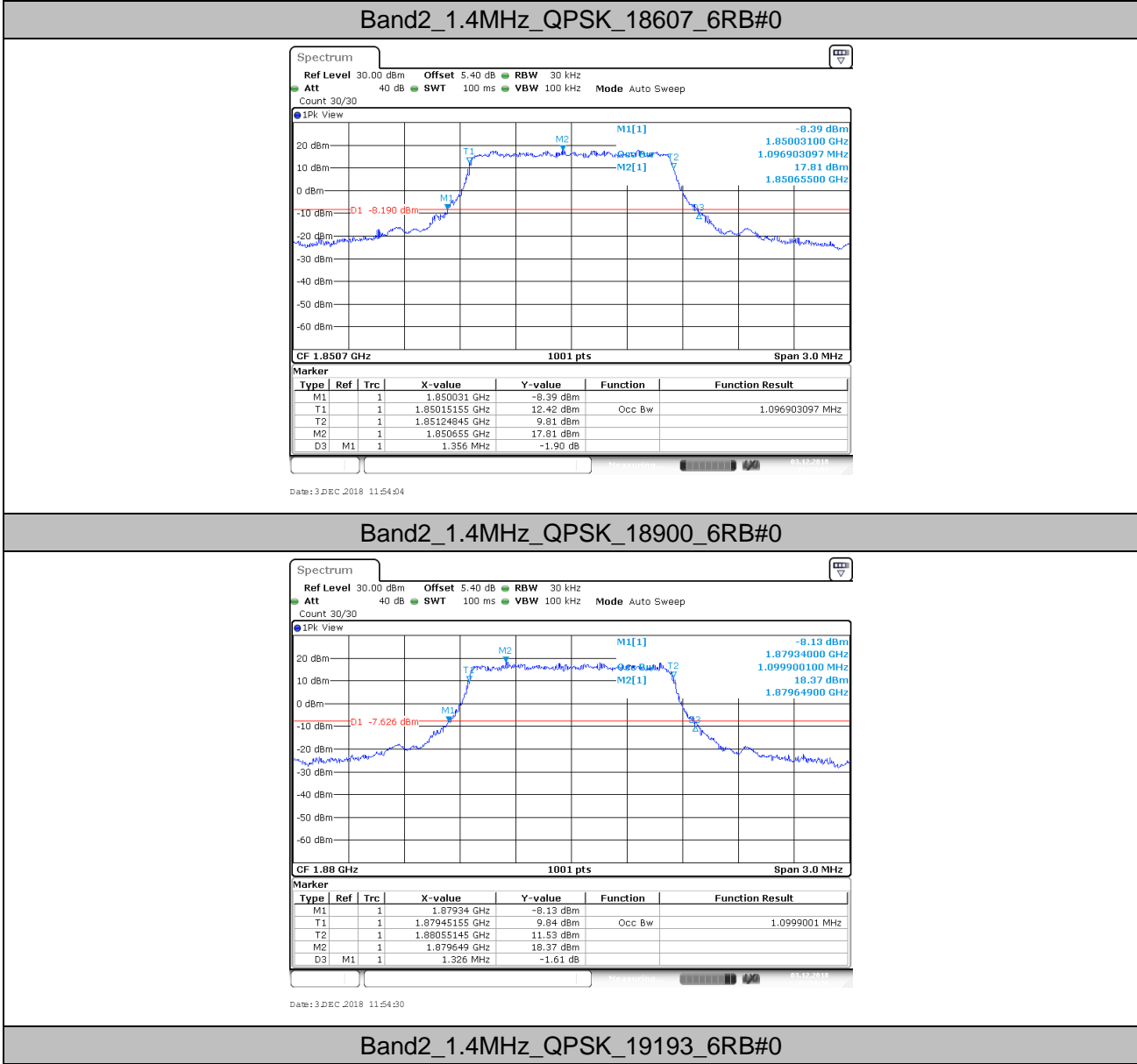
## 4. 26dB Bandwidth and Occupied Bandwidth

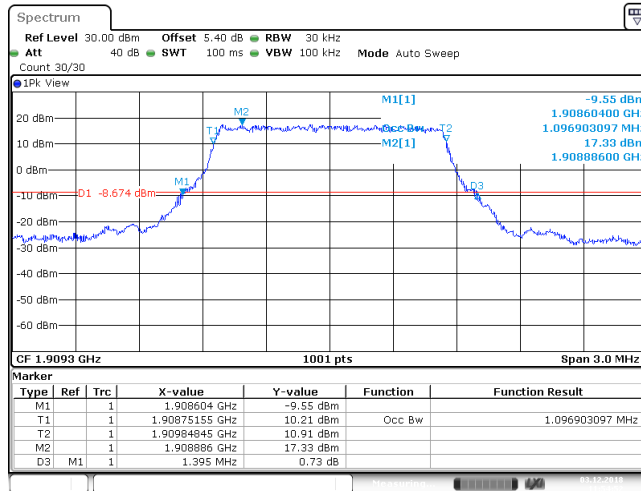
### 4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.097	1.356	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1	1.326	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.097	1.395	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1	1.320	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1	1.326	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.317	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	2.988	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.703	3.012	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	2.988	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.691	2.994	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.703	3.000	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.697	2.982	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.970	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.486	4.980	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	4.970	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.980	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.970	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.930	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.700	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.780	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.820	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.740	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.740	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.640	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.850	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.367	14.820	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.910	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.850	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.760	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.790	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.560	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.822	19.320	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.862	19.320	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.360	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.822	19.360	PASS

Band2	20MHz	16QAM	19100	100RB#0	17.902	19.560	PASS
-------	-------	-------	-------	---------	--------	--------	------

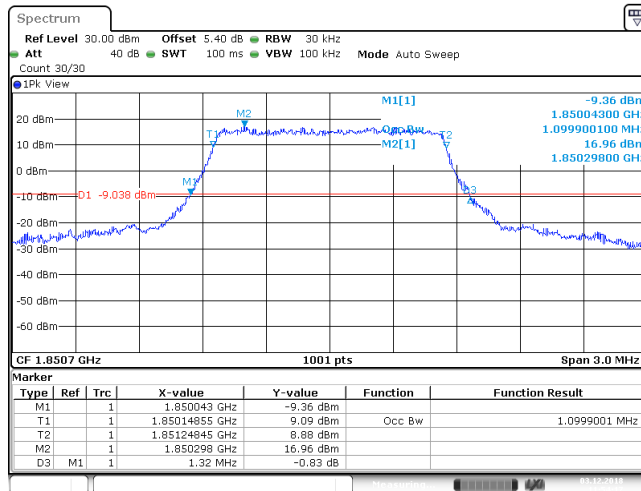
**4.2. Test Plots**





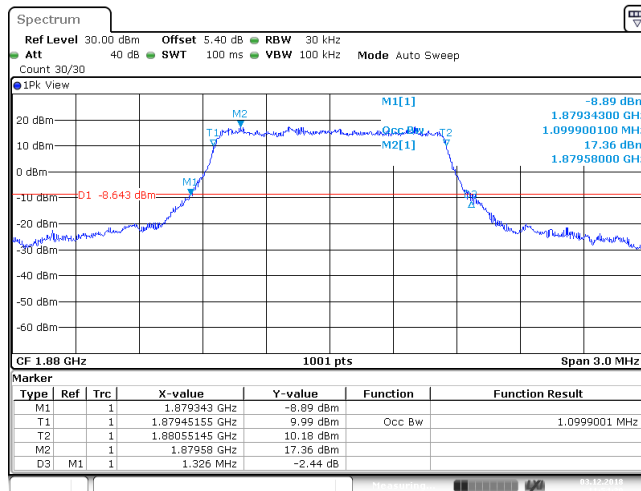
Date: 3 DEC 2018 11:54:52

**Band2\_1.4MHz\_16QAM\_18607\_6RB#0**



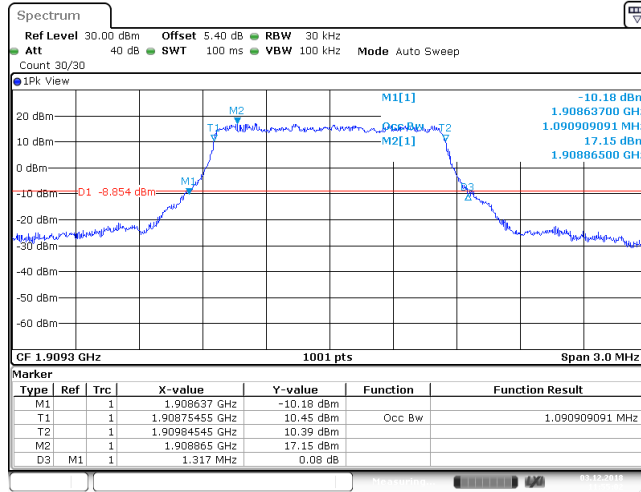
Date: 3 DEC 2018 11:54:17

**Band2\_1.4MHz\_16QAM\_18900\_6RB#0**



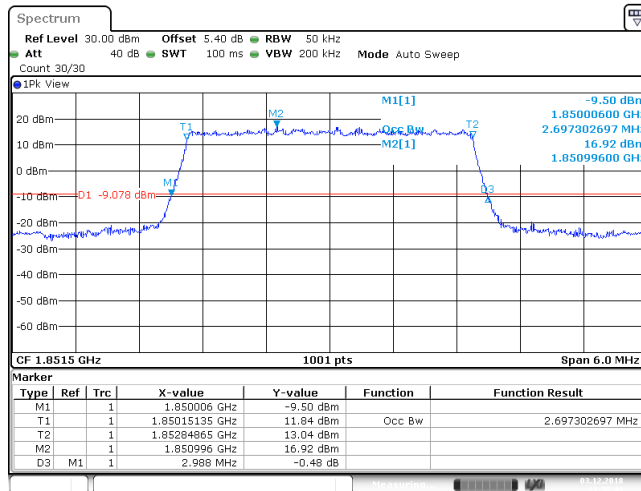
Date: 3 DEC 2018 11:54:40

**Band2\_1.4MHz\_16QAM\_19193\_6RB#0**



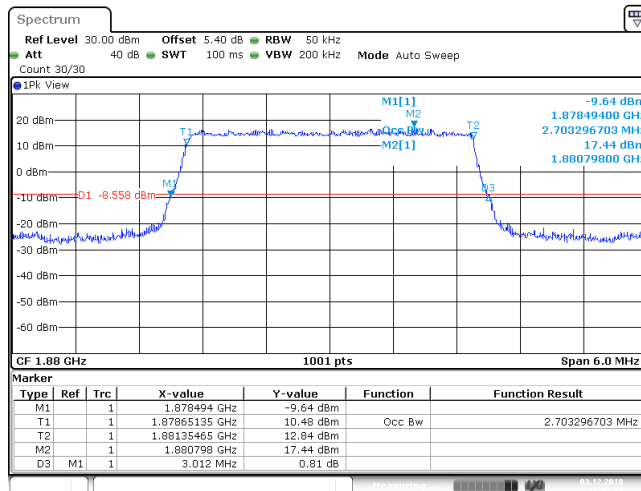
Date: 3 DEC 2018 11:55:02

**Band2\_3MHz\_QPSK\_18615\_15RB#0**



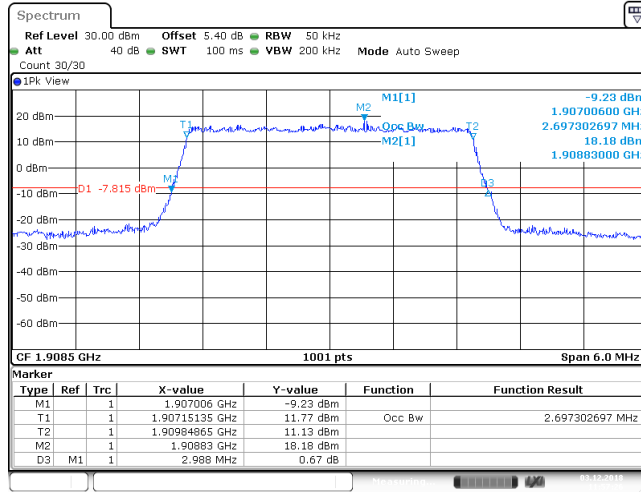
Date: 3 DEC 2018 11:56:41

**Band2\_3MHz\_QPSK\_18900\_15RB#0**



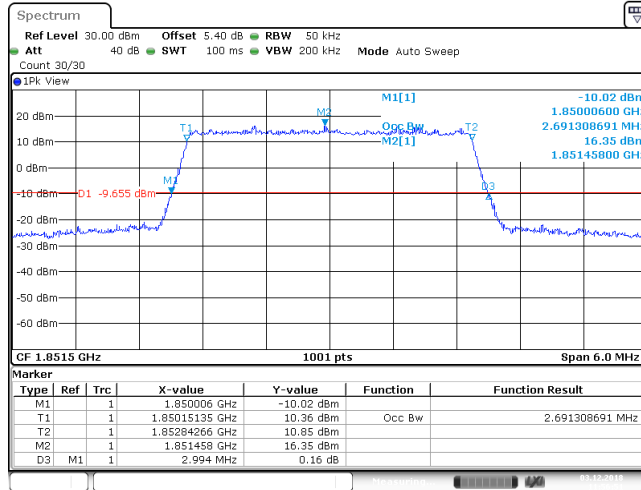
Date: 3 DEC 2018 11:57:04

**Band2\_3MHz\_QPSK\_19185\_15RB#0**



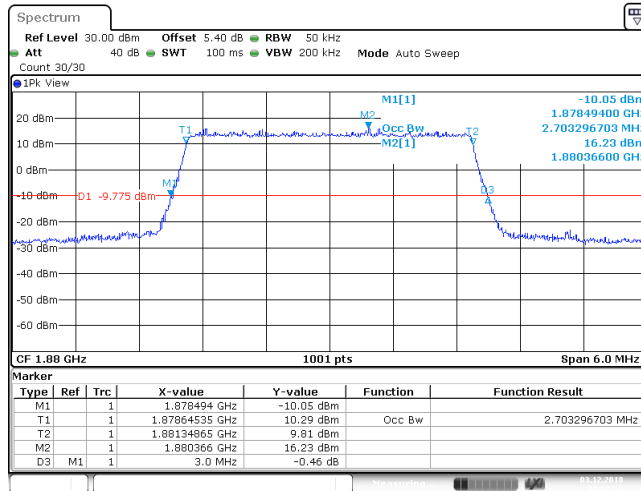
Date: 3 DEC 2018 11:57:26

**Band2\_3MHz\_16QAM\_18615\_15RB#0**



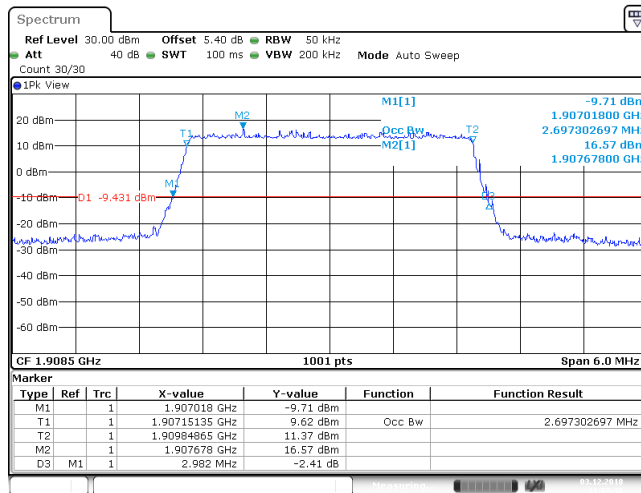
Date: 3 DEC 2018 11:56:51

**Band2\_3MHz\_16QAM\_18900\_15RB#0**



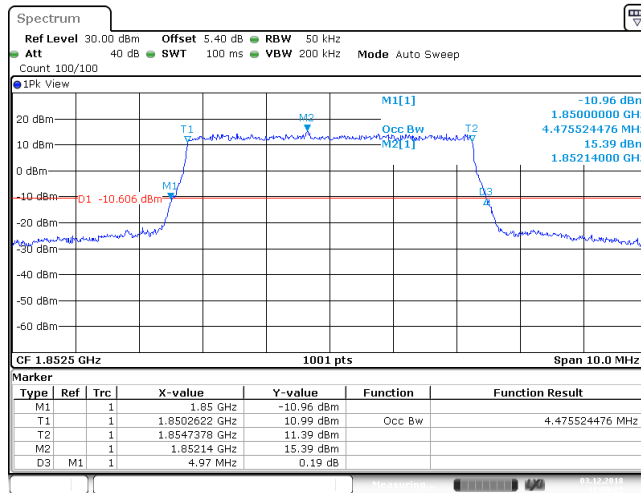
Date: 3 DEC 2018 11:57:14

**Band2\_3MHz\_16QAM\_19185\_15RB#0**



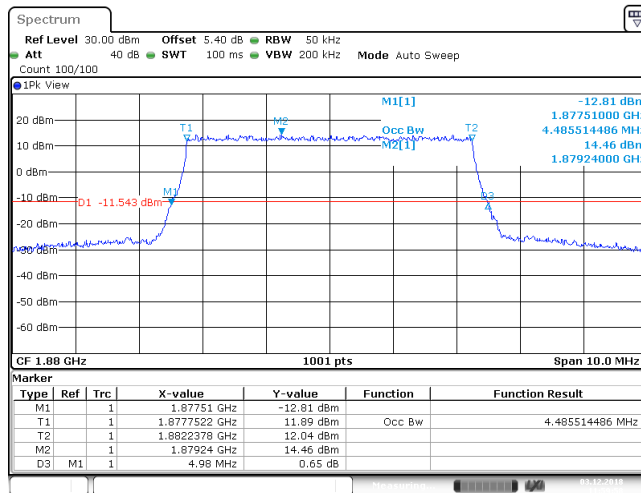
Date: 3 DEC 2018 11:57:36

**Band2\_5MHz\_QPSK\_18625\_25RB#0**



Date: 3 DEC 2018 11:59:22

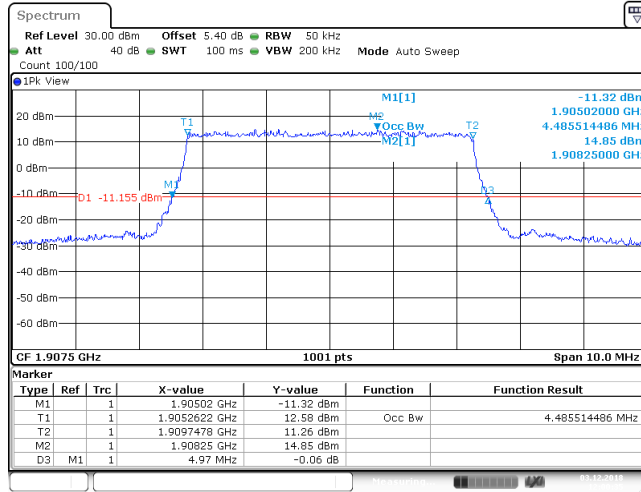
**Band2\_5MHz\_QPSK\_18900\_25RB#0**



Date: 3 DEC 2018 11:59:59

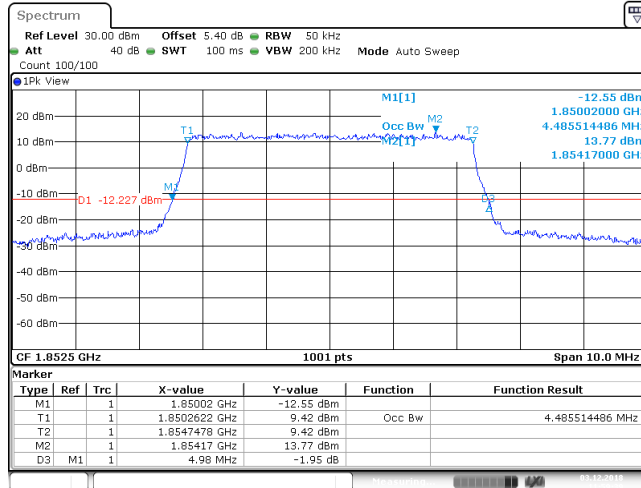
**Band2\_5MHz\_QPSK\_19175\_25RB#0**





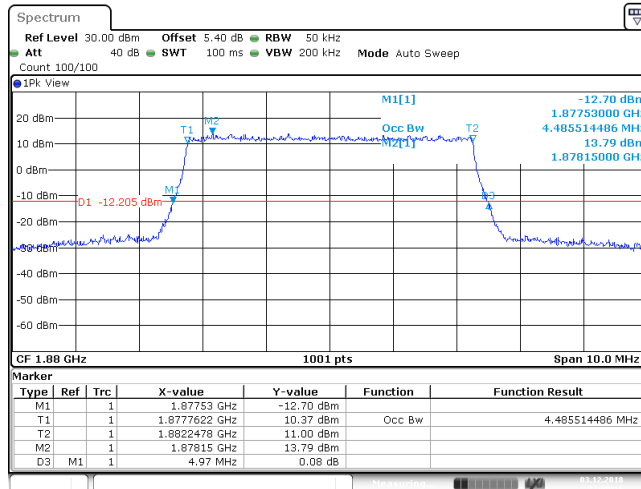
Date: 3 DEC 2018 12:00:36

**Band2\_5MHz\_16QAM\_18625\_25RB#0**



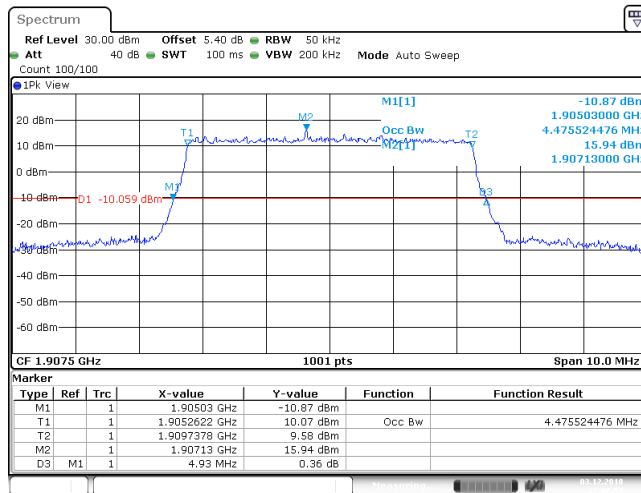
Date: 3 DEC 2018 11:59:39

**Band2\_5MHz\_16QAM\_18900\_25RB#0**



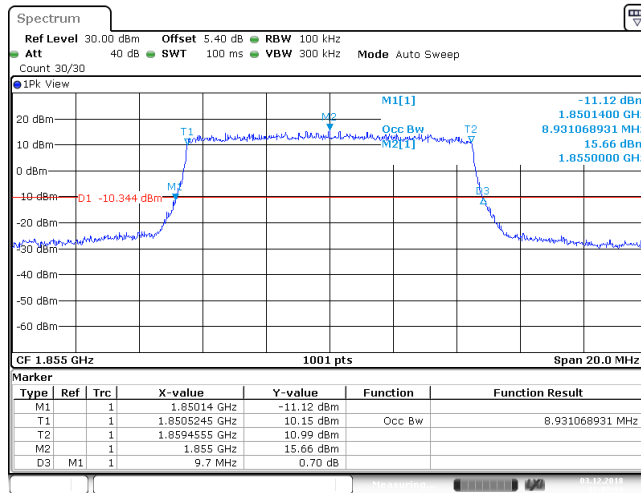
Date: 3 DEC 2018 12:00:16

**Band2\_5MHz\_16QAM\_19175\_25RB#0**



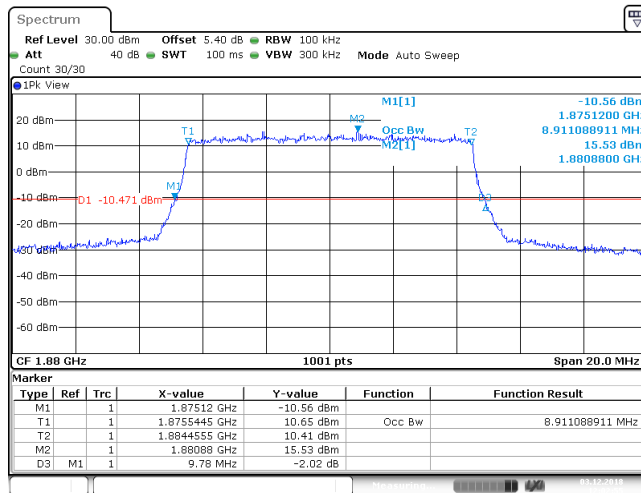
Date: 3 DEC 2018 12:00:53

**Band2\_10MHz\_QPSK\_18650\_50RB#0**



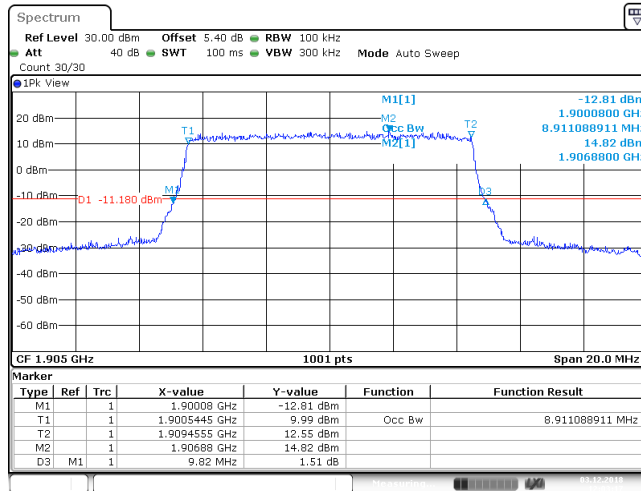
Date: 3 DEC 2018 12:02:32

**Band2\_10MHz\_QPSK\_18900\_50RB#0**



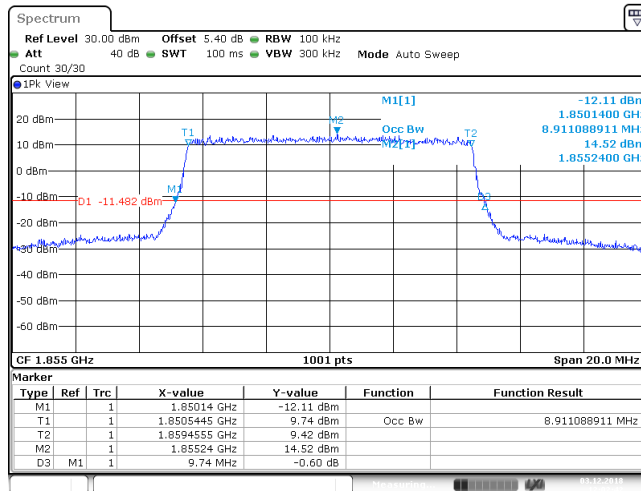
Date: 3 DEC 2018 12:02:55

**Band2\_10MHz\_QPSK\_19150\_50RB#0**



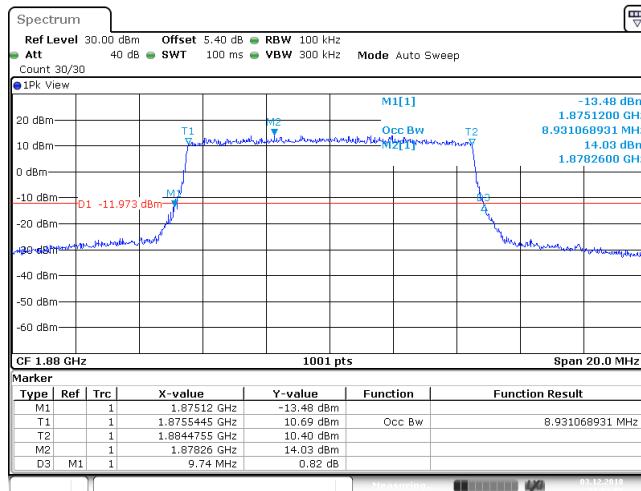
Date: 3 DEC 2018 12:03:18

**Band2\_10MHz\_16QAM\_18650\_50RB#0**



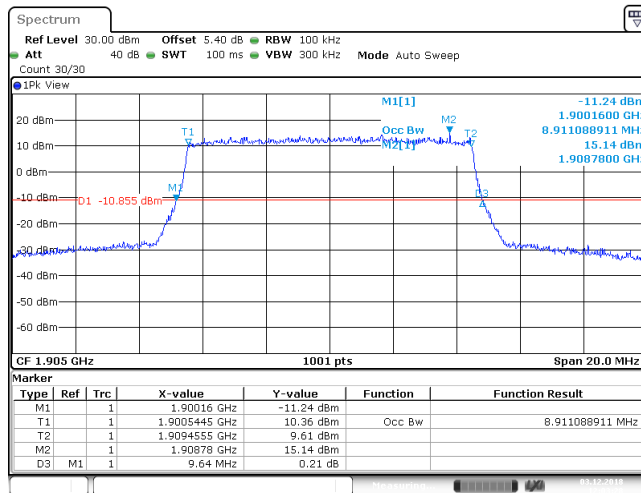
Date: 3 DEC 2018 12:02:42

**Band2\_10MHz\_16QAM\_18900\_50RB#0**



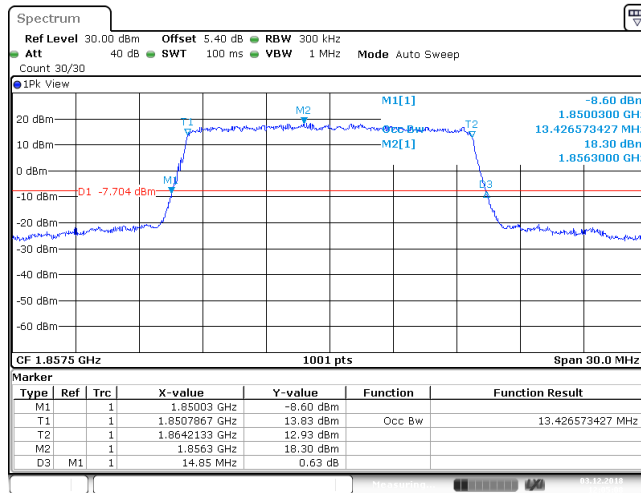
Date: 3 DEC 2018 12:03:05

**Band2\_10MHz\_16QAM\_19150\_50RB#0**



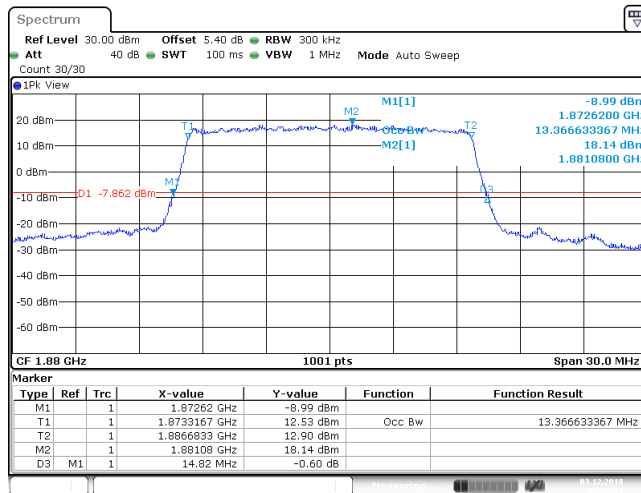
Date: 3 DEC 2018 12:03:28

**Band2\_15MHz\_QPSK\_18675\_75RB#0**



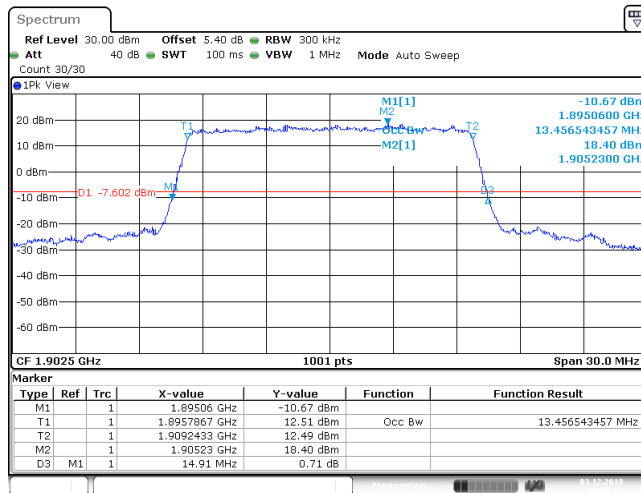
Date: 3 DEC 2018 12:05:08

**Band2\_15MHz\_QPSK\_18900\_75RB#0**



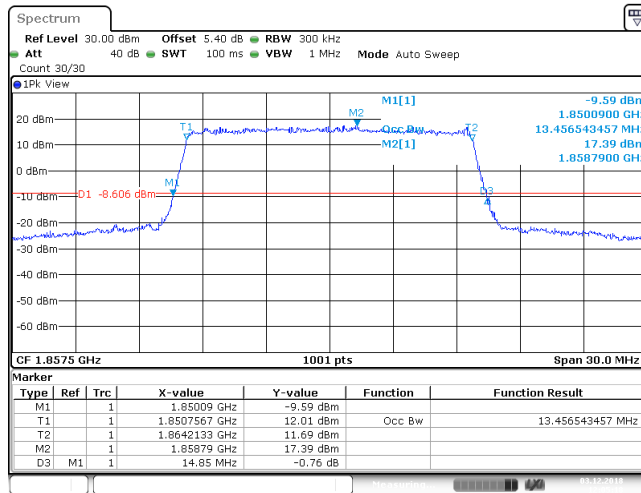
Date: 3 DEC 2018 12:05:31

**Band2\_15MHz\_QPSK\_19125\_75RB#0**



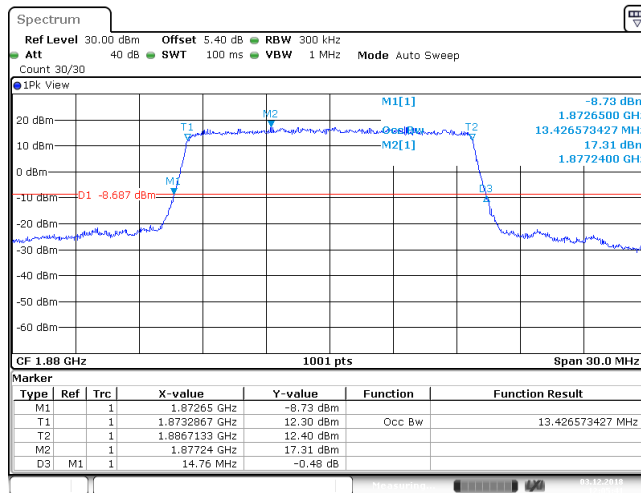
Date: 3 DEC 2018 12:05:54

**Band2\_15MHz\_16QAM\_18675\_75RB#0**



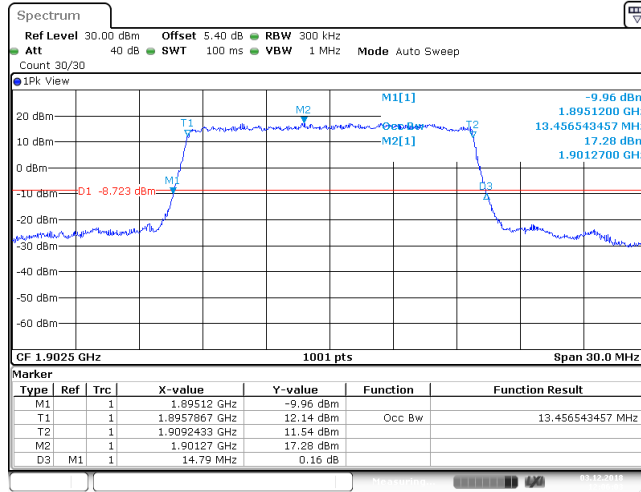
Date: 3 DEC 2018 12:05:18

**Band2\_15MHz\_16QAM\_18900\_75RB#0**



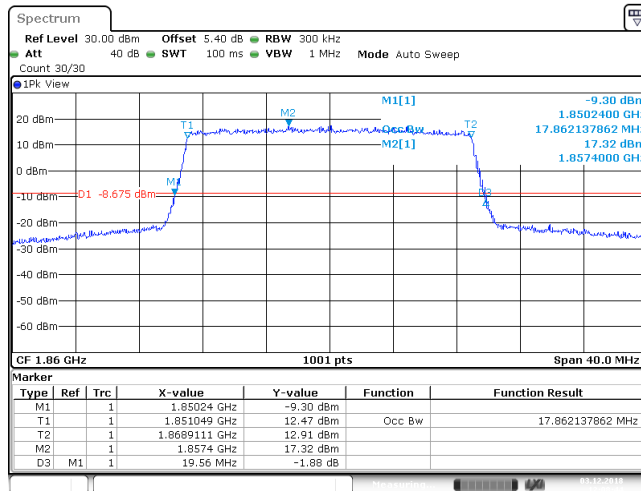
Date: 3 DEC 2018 12:05:41

**Band2\_15MHz\_16QAM\_19125\_75RB#0**



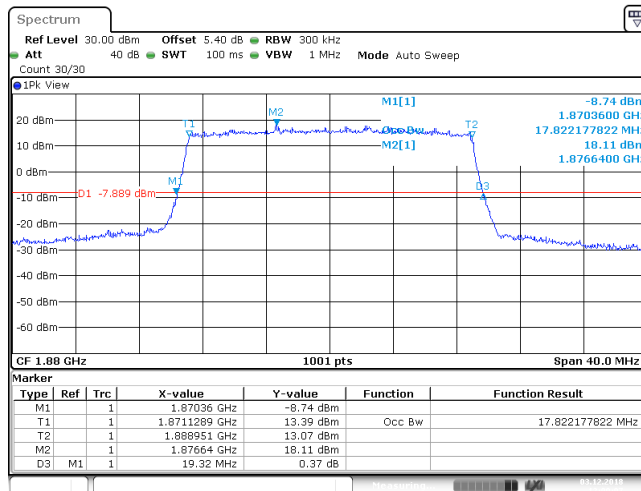
Date: 3 DEC 2018 12:06:04

**Band2\_20MHz\_QPSK\_18700\_100RB#0**



Date: 3 DEC 2018 12:08:44

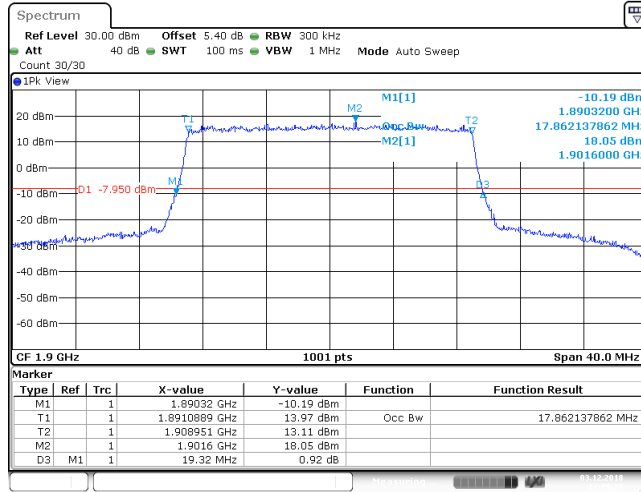
**Band2\_20MHz\_QPSK\_18900\_100RB#0**



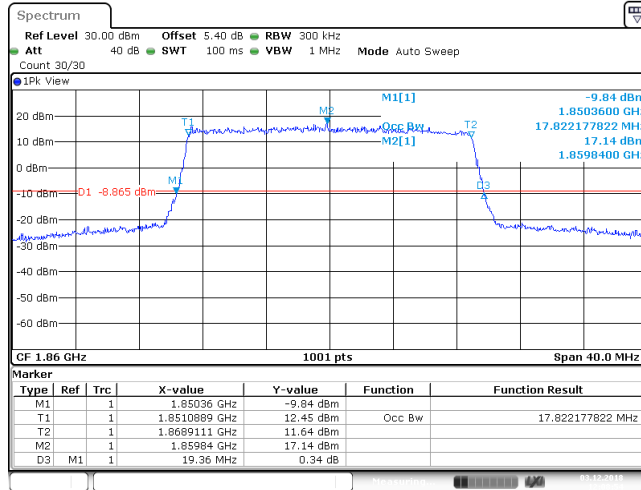
Date: 3 DEC 2018 12:09:07

**Band2\_20MHz\_QPSK\_19100\_100RB#0**

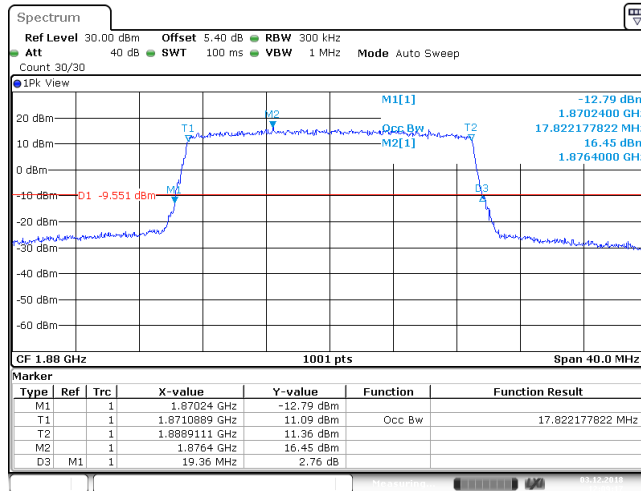




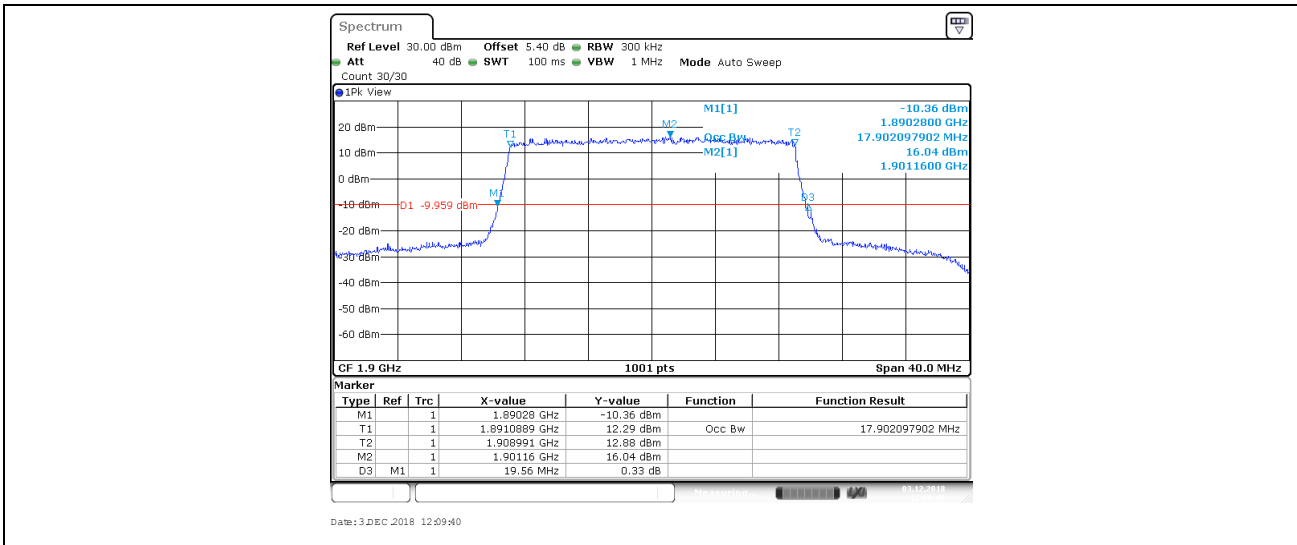
**Band2\_20MHz\_16QAM\_18700\_100RB#0**



**Band2\_20MHz\_16QAM\_18900\_100RB#0**



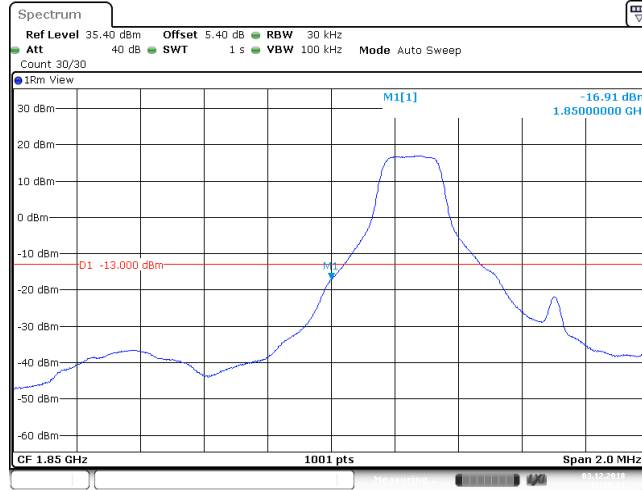
**Band2\_20MHz\_16QAM\_19100\_100RB#0**



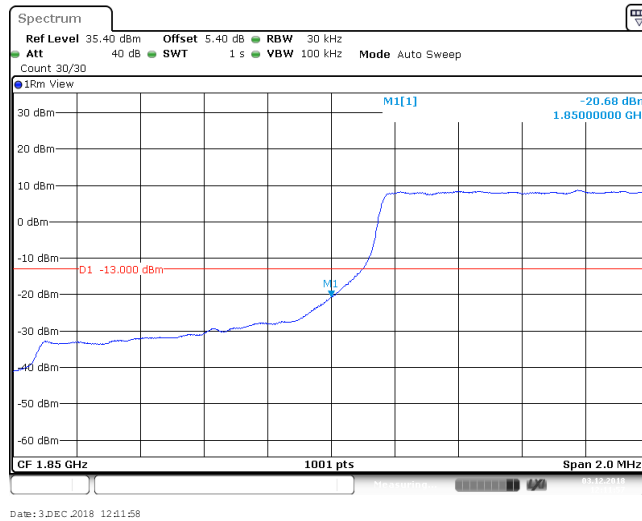
## 5. Band Edge Compliance

### 5.1. Test Plots

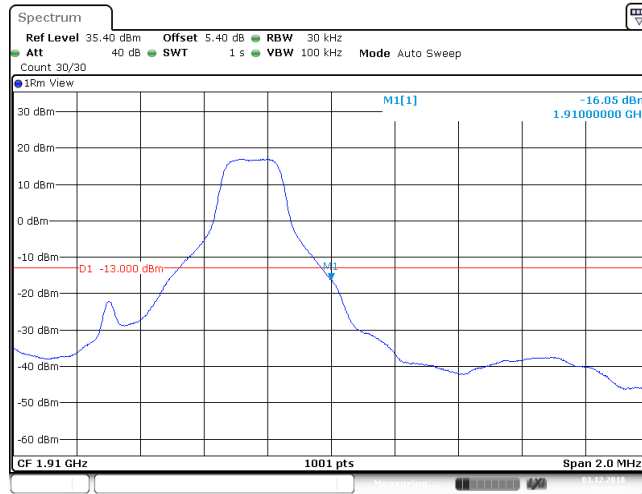
**Band2\_1.4MHz\_QPSK\_18607\_1RB#0**



**Band2\_1.4MHz\_QPSK\_18607\_6RB#0**

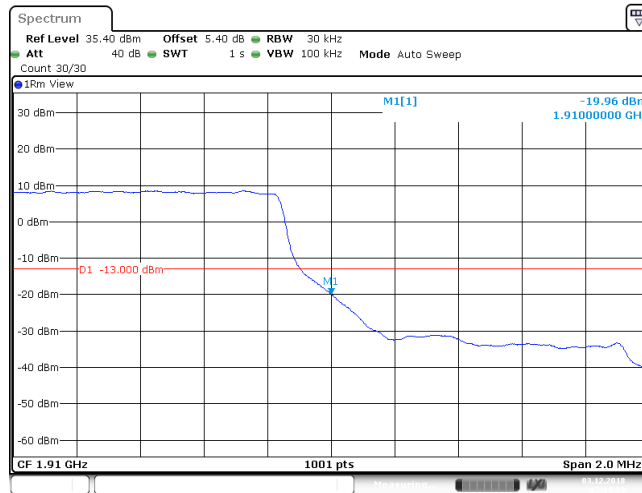


**Band2\_1.4MHz\_QPSK\_19193\_1RB#5**



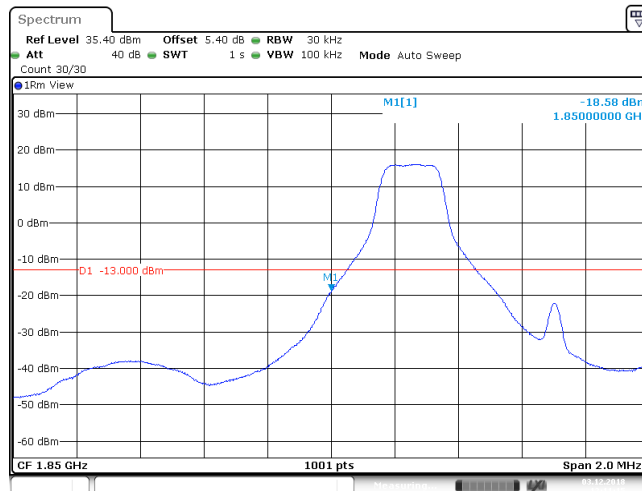
Date: 3.DEC.2018 12:43:32

**Band2\_1.4MHz\_QPSK\_19193\_6RB#0**



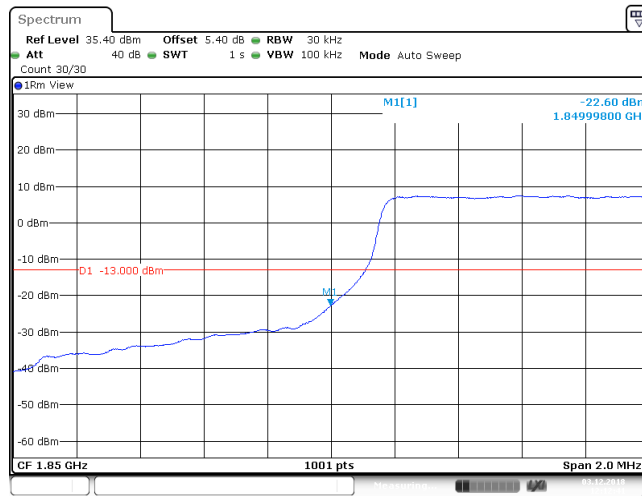
Date: 3.DEC.2018 12:44:59

**Band2\_1.4MHz\_16QAM\_18607\_1RB#0**



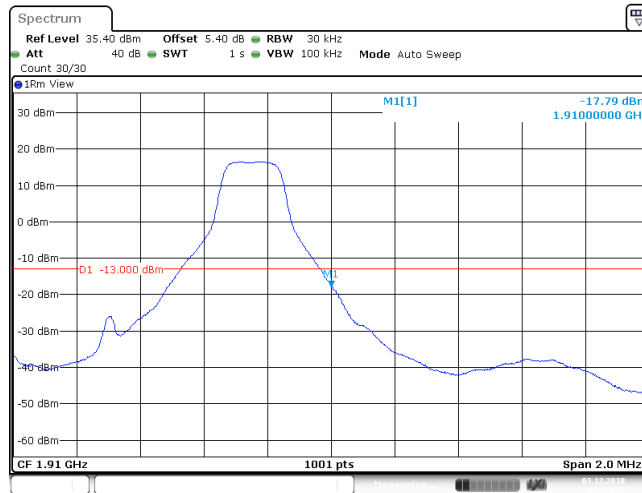
Date: 3.DEC.2018 12:41:45

**Band2\_1.4MHz\_16QAM\_18607\_6RB#0**



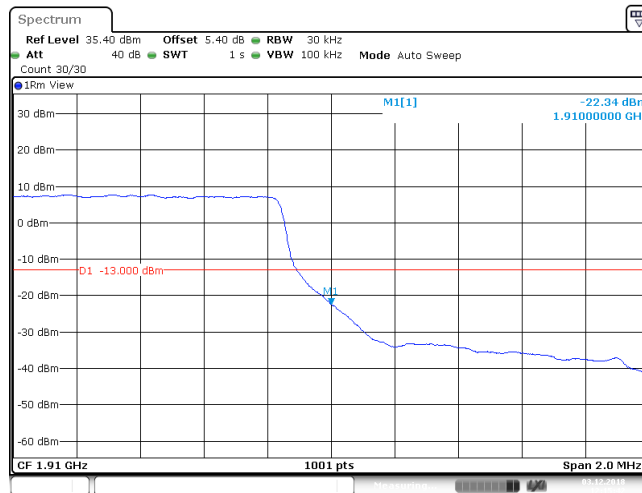
Date: 3.DEC.2018 12:42:41

**Band2\_1.4MHz\_16QAM\_19193\_1RB#5**



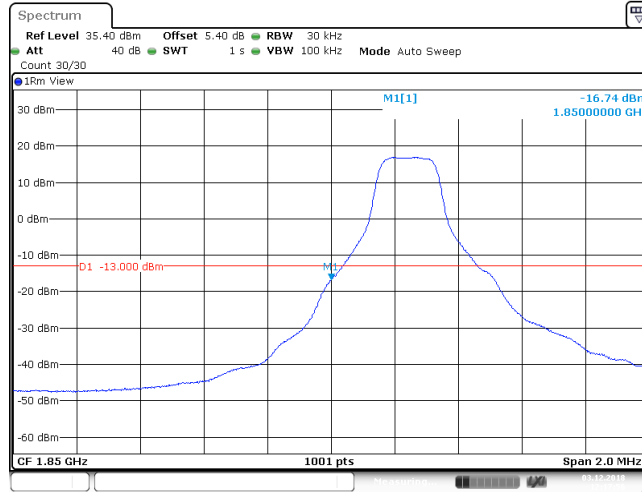
Date: 3.DEC.2018 12:44:16

**Band2\_1.4MHz\_16QAM\_19193\_6RB#0**



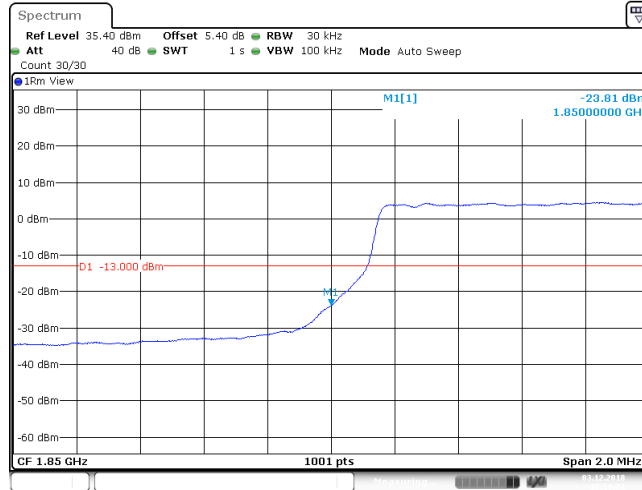
Date: 3.DEC.2018 12:45:43

**Band2\_3MHz\_QPSK\_18615\_1RB#0**



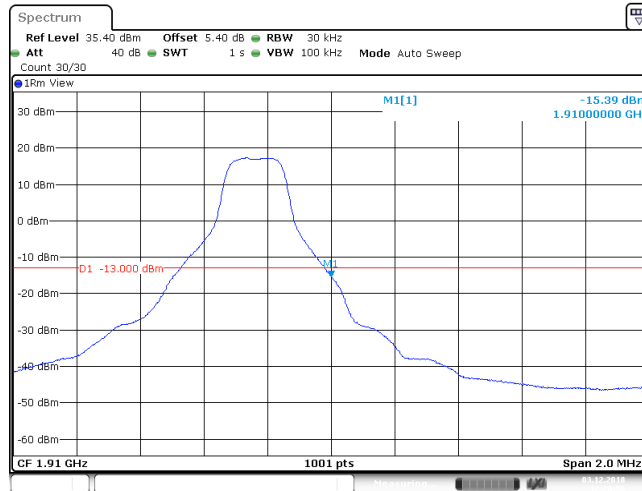
Date: 3.DEC.2018 12:47:56

**Band2\_3MHz\_QPSK\_18615\_15RB#0**



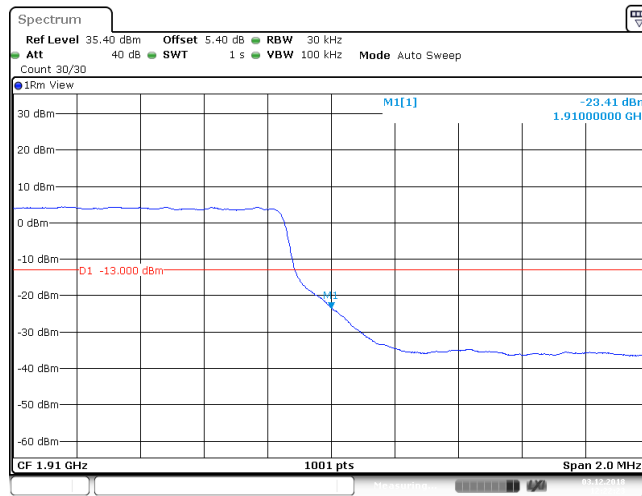
Date: 3.DEC.2018 12:19:23

**Band2\_3MHz\_QPSK\_19185\_1RB#14**



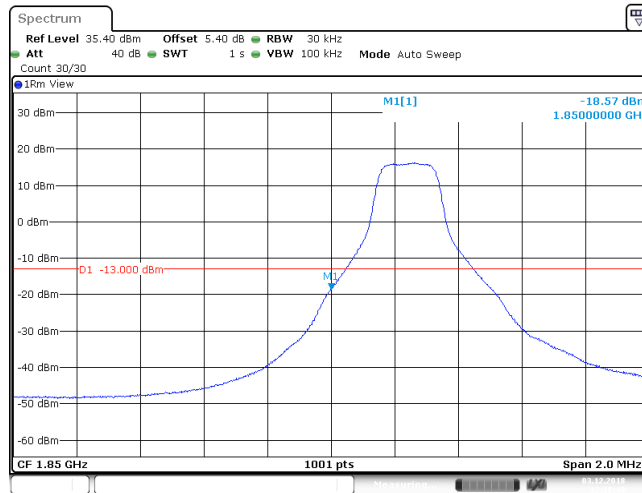
Date: 3.DEC.2018 12:20:56

**Band2\_3MHz\_QPSK\_19185\_15RB#0**



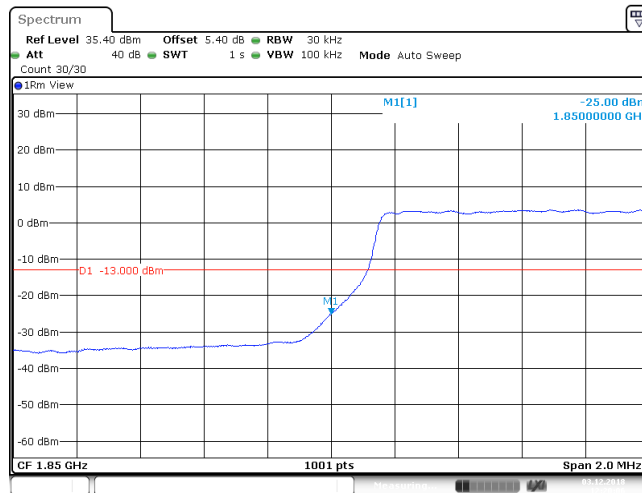
Date: 3.DEC.2018 12:22:23

**Band2\_3MHz\_16QAM\_18615\_1RB#0**



Date: 3.DEC.2018 12:18:40

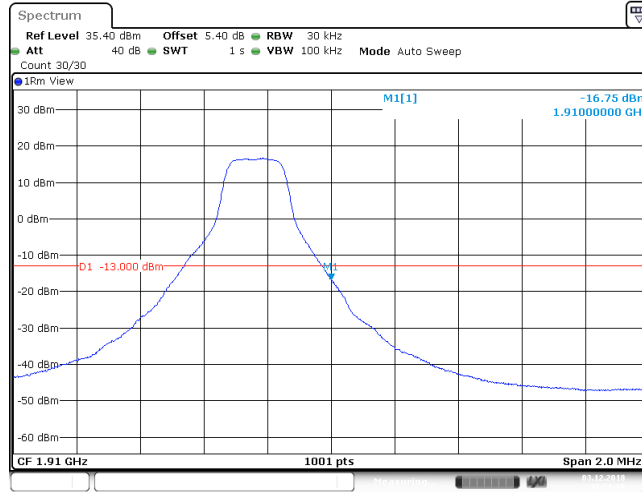
**Band2\_3MHz\_16QAM\_18615\_15RB#0**



Date: 3.DEC.2018 12:20:06

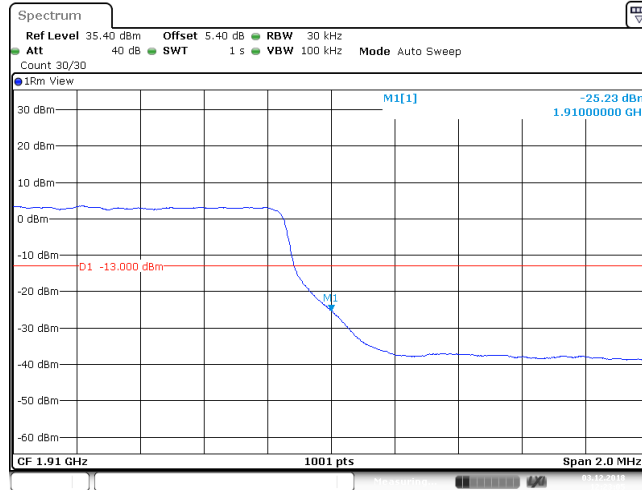
**Band2\_3MHz\_16QAM\_19185\_1RB#14**





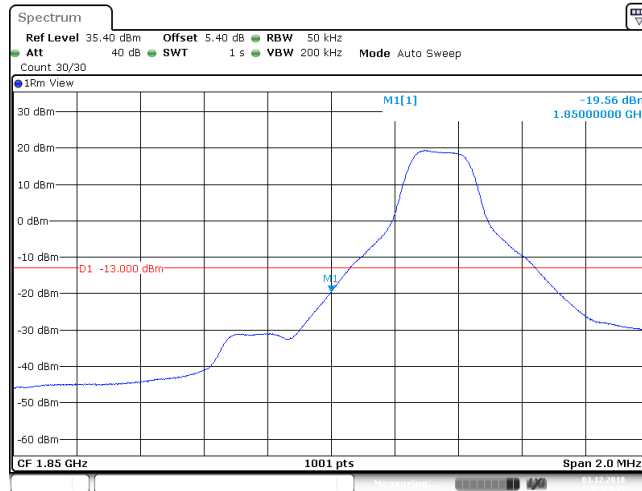
Date: 3.DEC.2018 12:21:40

**Band2\_3MHz\_16QAM\_19185\_15RB#0**



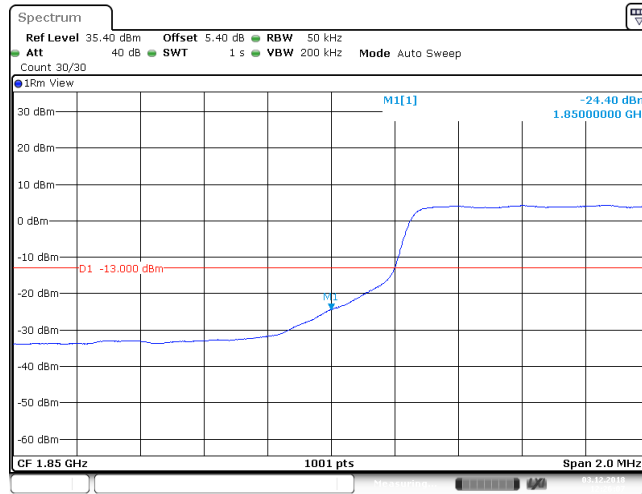
Date: 3.DEC.2018 12:23:06

**Band2\_5MHz\_QPSK\_18625\_1RB#0**



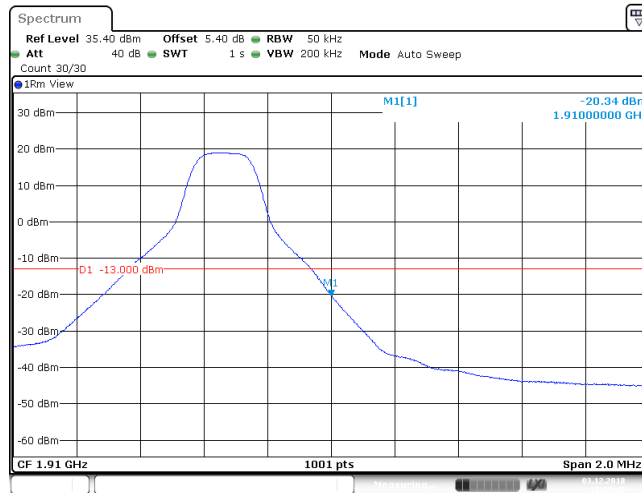
Date: 3.DEC.2018 12:24:41

**Band2\_5MHz\_QPSK\_18625\_25RB#0**



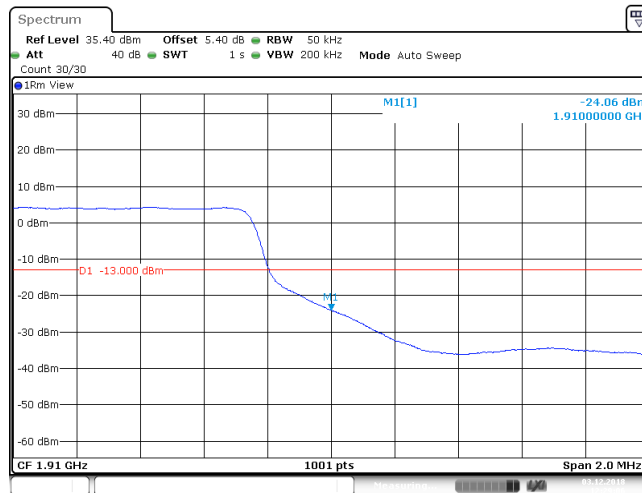
Date: 3.DEC.2018 12:26:07

**Band2\_5MHz\_QPSK\_19175\_1RB#24**



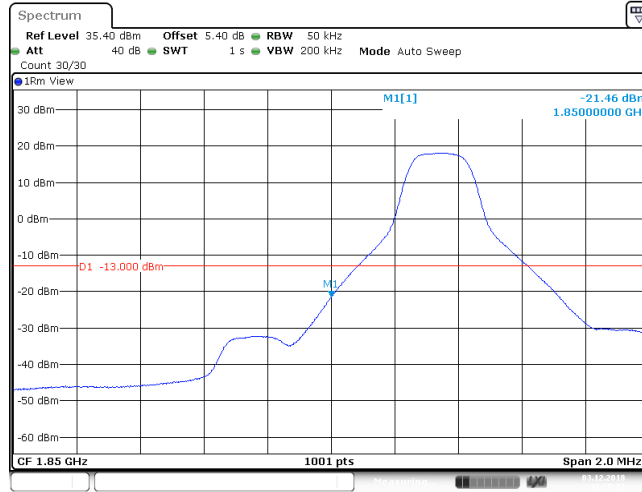
Date: 3.DEC.2018 12:27:40

**Band2\_5MHz\_QPSK\_19175\_25RB#0**



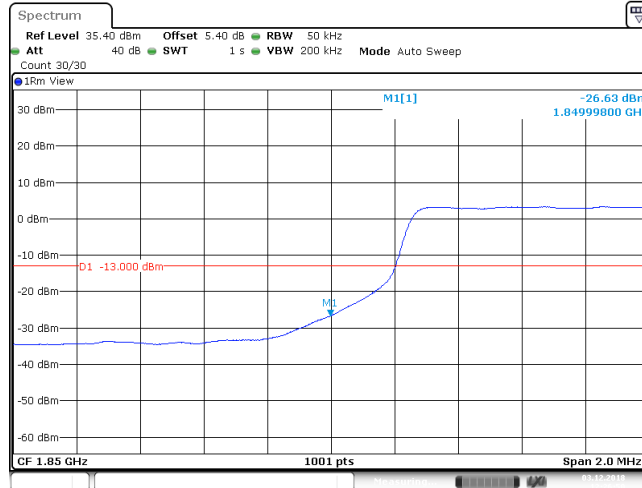
Date: 3.DEC.2018 12:29:07

**Band2\_5MHz\_16QAM\_18625\_1RB#0**



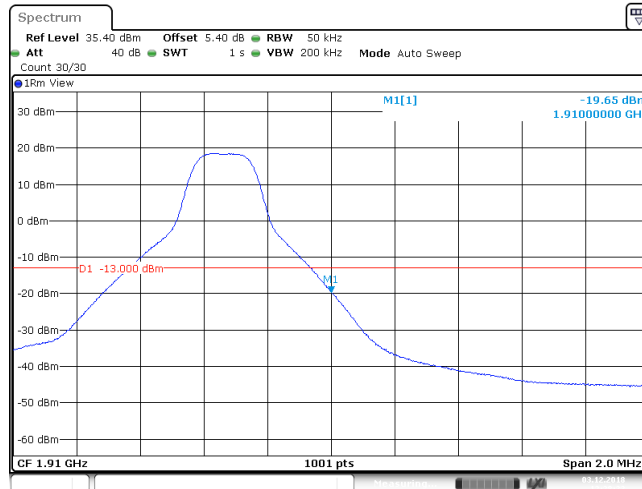
Date: 3.DEC.2018 12:25:24

**Band2\_5MHz\_16QAM\_18625\_25RB#0**



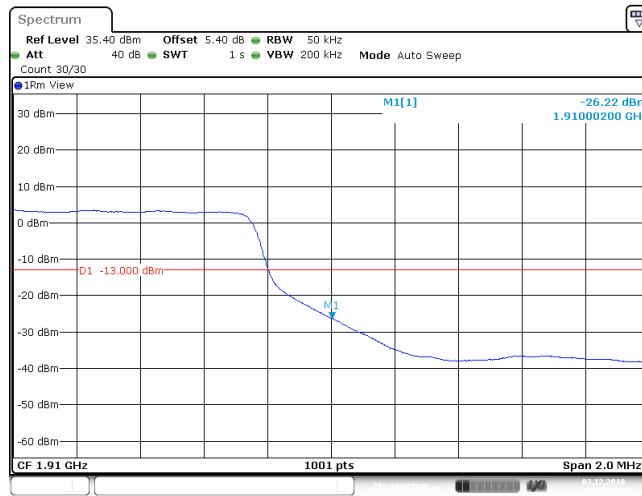
Date: 3.DEC.2018 12:26:50

**Band2\_5MHz\_16QAM\_19175\_1RB#24**



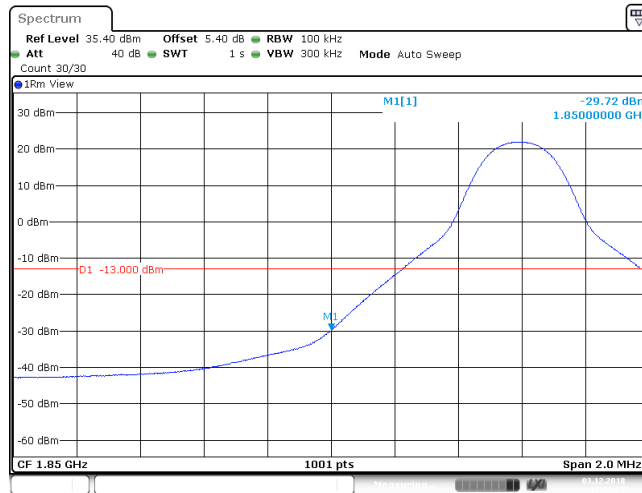
Date: 3.DEC.2018 12:28:24

**Band2\_5MHz\_16QAM\_19175\_25RB#0**



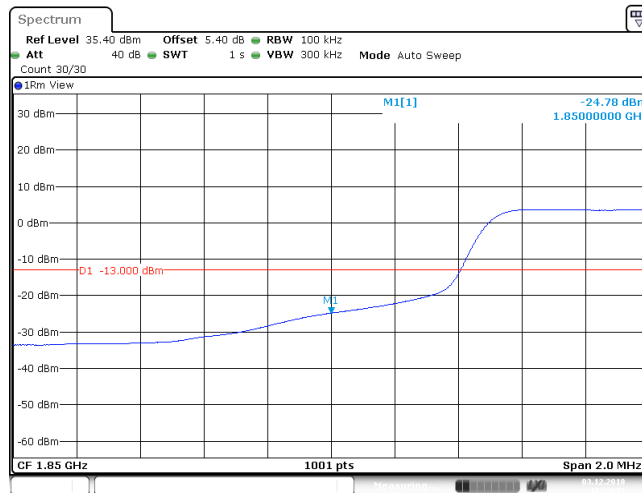
Date: 3.DEC.2018 12:29:50

**Band2\_10MHz\_QPSK\_18650\_1RB#0**



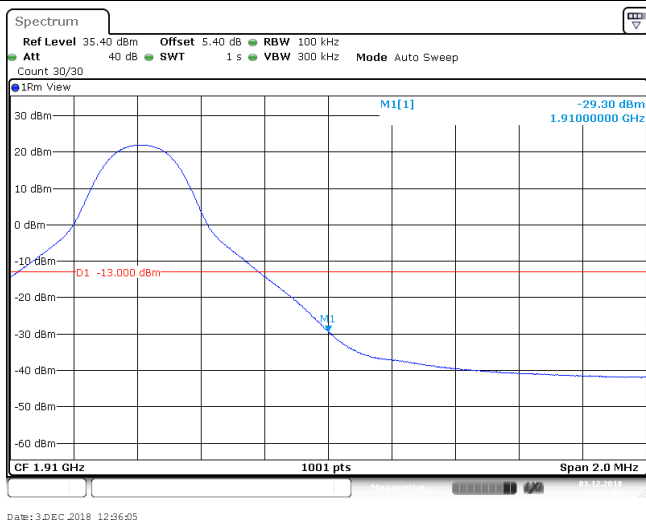
Date: 3.DEC.2018 12:33:05

**Band2\_10MHz\_QPSK\_18650\_50RB#0**

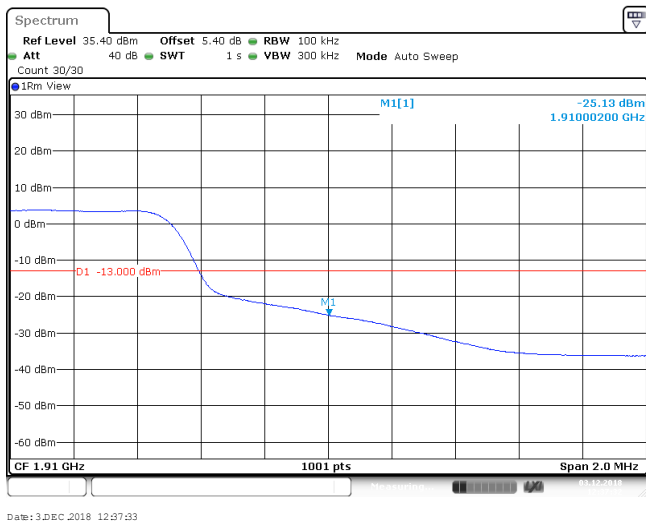


Date: 3.DEC.2018 12:34:32

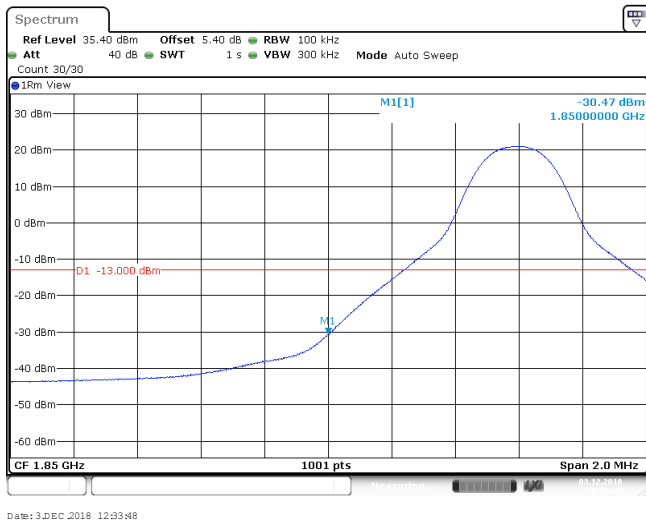
**Band2\_10MHz\_QPSK\_19150\_1RB#49**



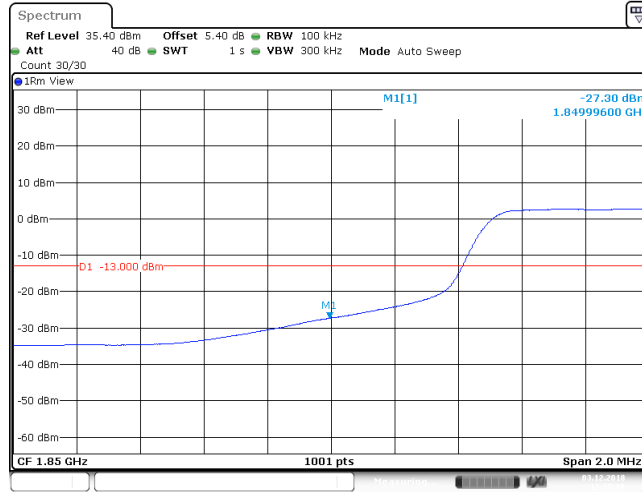
**Band2\_10MHz\_QPSK\_19150\_50RB#0**



**Band2\_10MHz\_16QAM\_18650\_1RB#0**

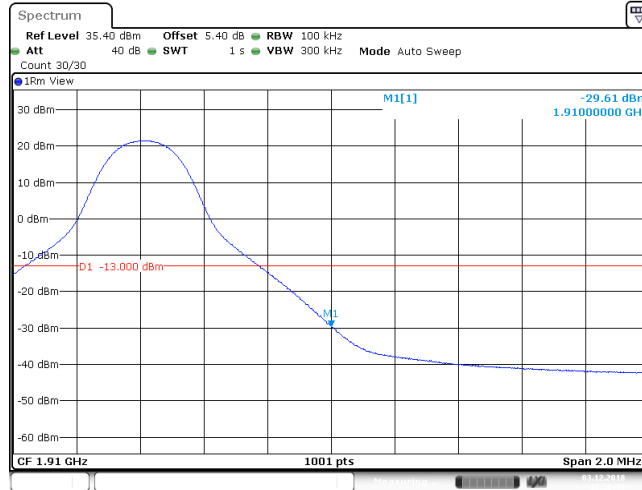


**Band2\_10MHz\_16QAM\_18650\_50RB#0**



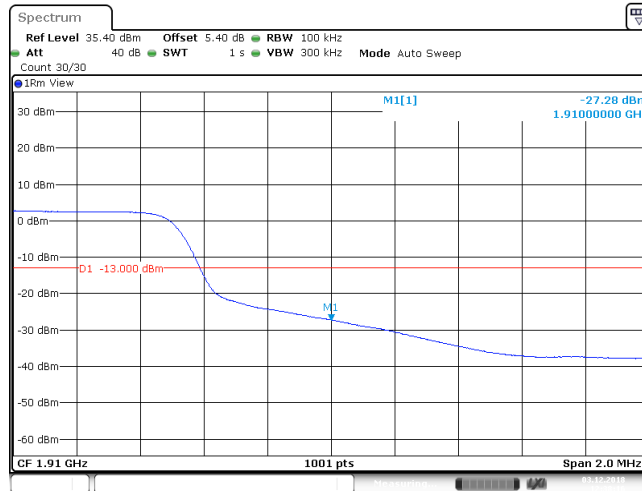
Date: 3.DEC.2018 12:35:15

**Band2\_10MHz\_16QAM\_19150\_1RB#49**



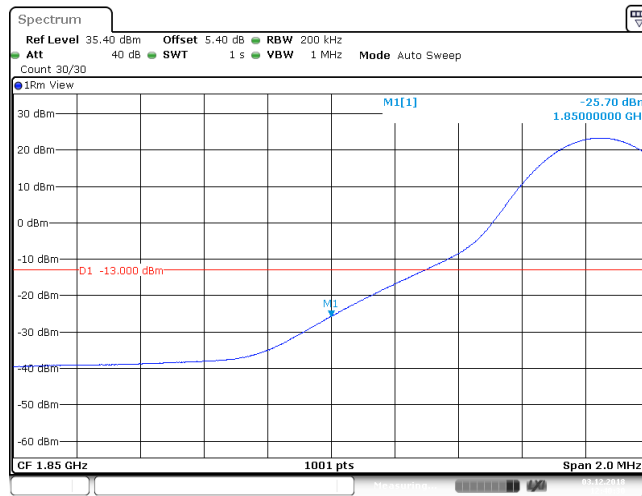
Date: 3.DEC.2018 12:36:49

**Band2\_10MHz\_16QAM\_19150\_50RB#0**



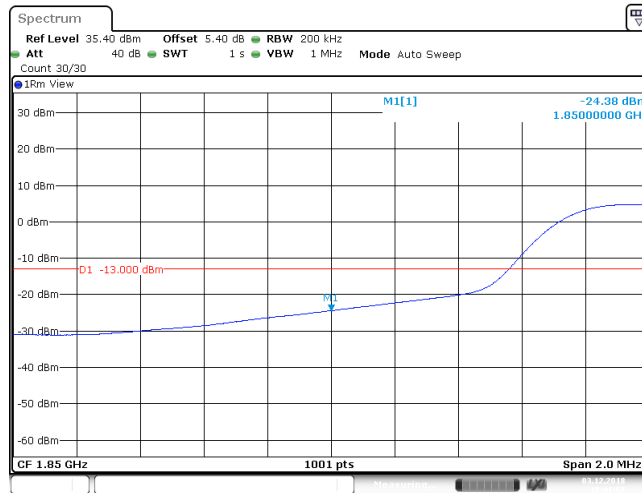
Date: 3.DEC.2018 12:38:16

**Band2\_15MHz\_QPSK\_18675\_1RB#0**



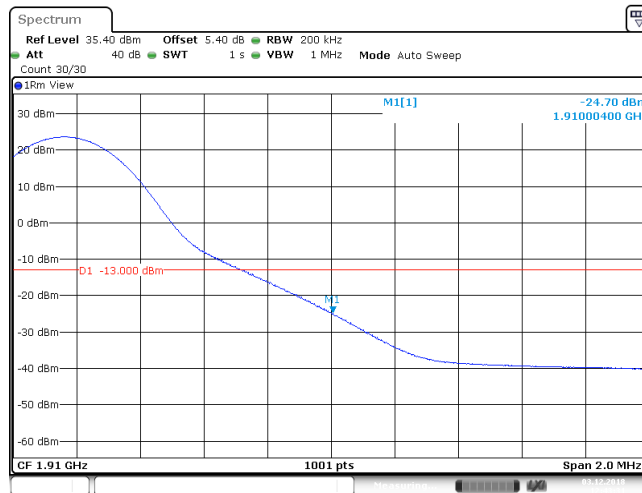
Date: 3.DEC.2018 12:40:30

**Band2\_15MHz\_QPSK\_18675\_75RB#0**



Date: 3.DEC.2018 12:41:58

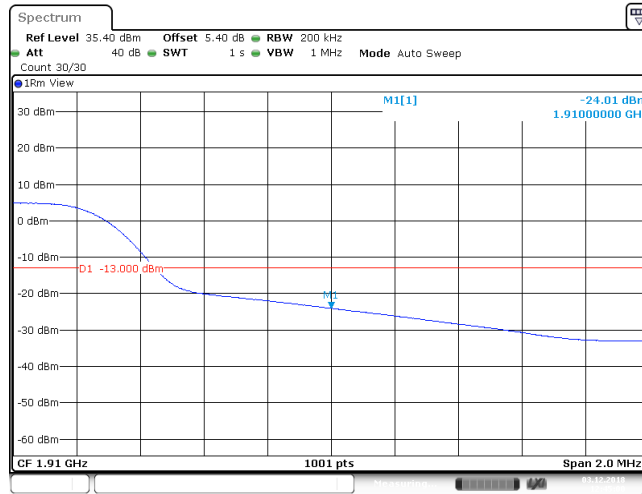
**Band2\_15MHz\_QPSK\_19125\_1RB#74**



Date: 3.DEC.2018 12:43:32

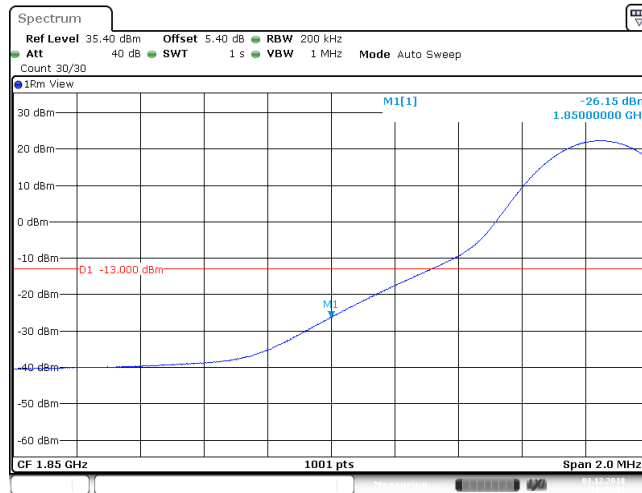
**Band2\_15MHz\_QPSK\_19125\_75RB#0**





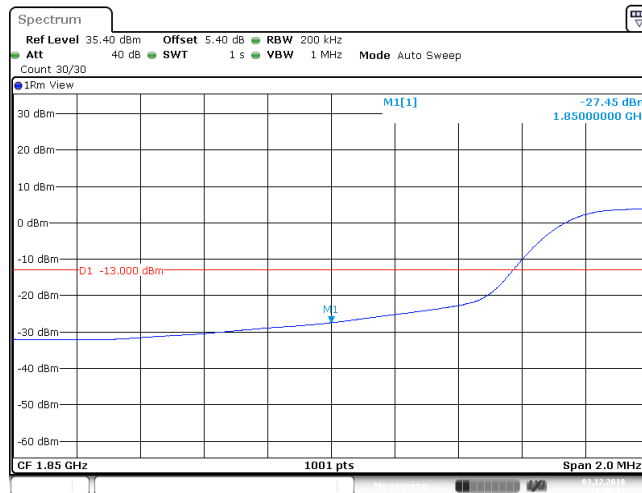
Date: 3.DEC.2018 12:45:00

**Band2\_15MHz\_16QAM\_18675\_1RB#0**



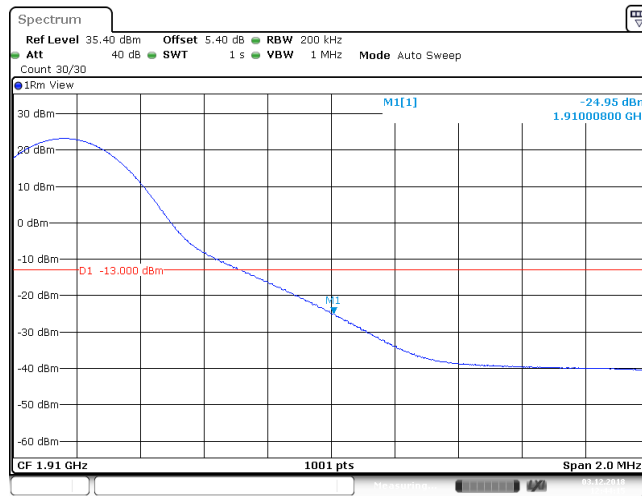
Date: 3.DEC.2018 12:41:14

**Band2\_15MHz\_16QAM\_18675\_75RB#0**



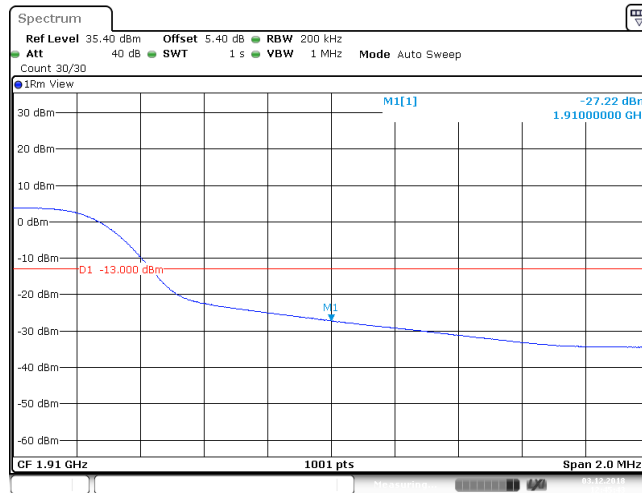
Date: 3.DEC.2018 12:42:41

**Band2\_15MHz\_16QAM\_19125\_1RB#74**



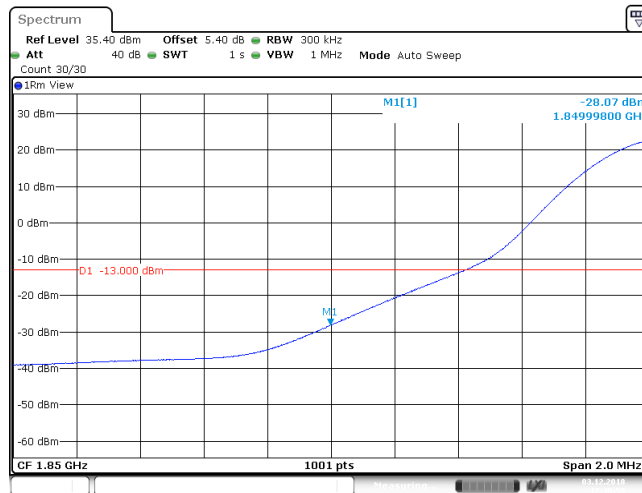
Date: 3.DEC.2018 12:44:16

**Band2\_15MHz\_16QAM\_19125\_75RB#0**



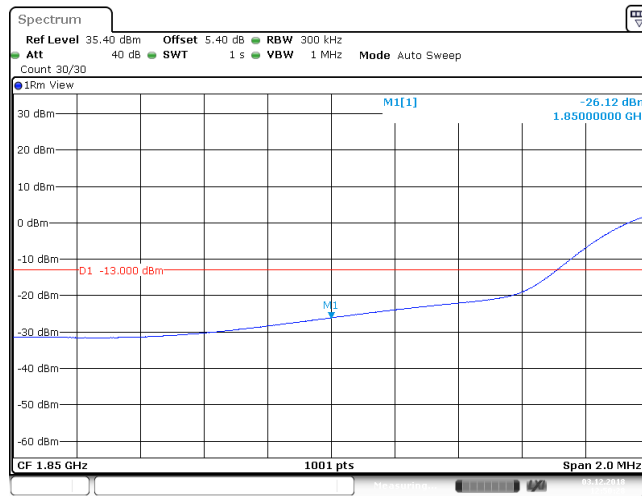
Date: 3.DEC.2018 12:45:44

**Band2\_20MHz\_QPSK\_18700\_1RB#0**



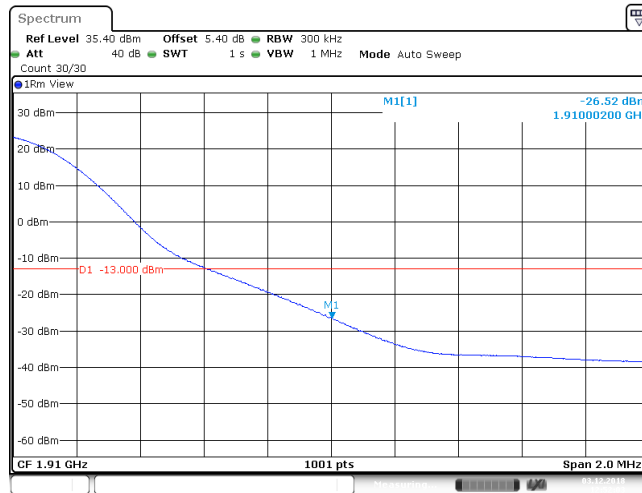
Date: 3.DEC.2018 12:49:00

**Band2\_20MHz\_QPSK\_18700\_100RB#0**



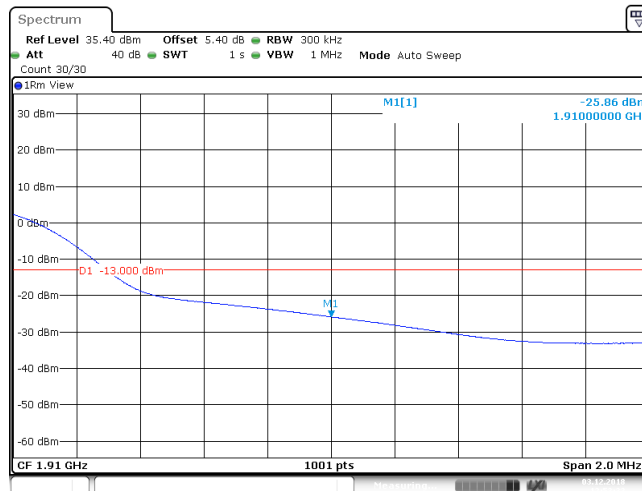
Date: 3.DEC.2018 12:50:28

**Band2\_20MHz\_QPSK\_19100\_1RB#99**



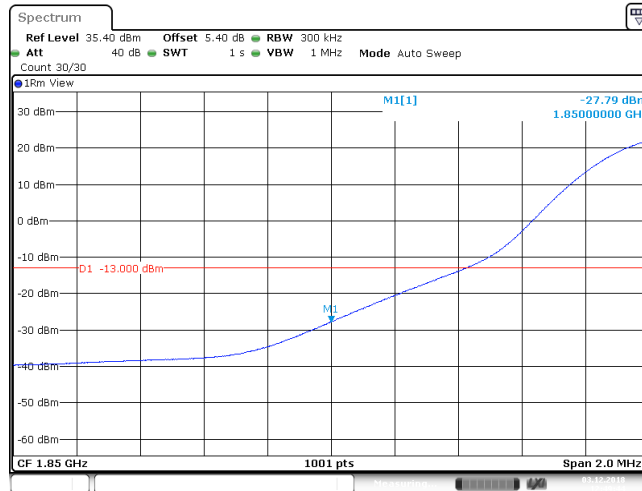
Date: 3.DEC.2018 12:52:04

**Band2\_20MHz\_QPSK\_19100\_100RB#0**



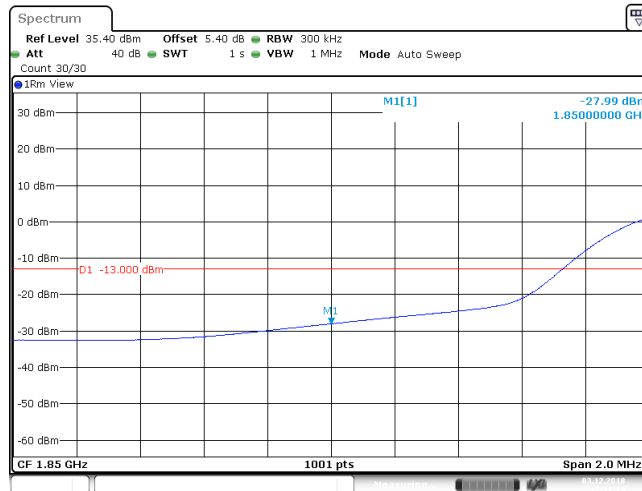
Date: 3.DEC.2018 12:53:33

**Band2\_20MHz\_16QAM\_18700\_1RB#0**



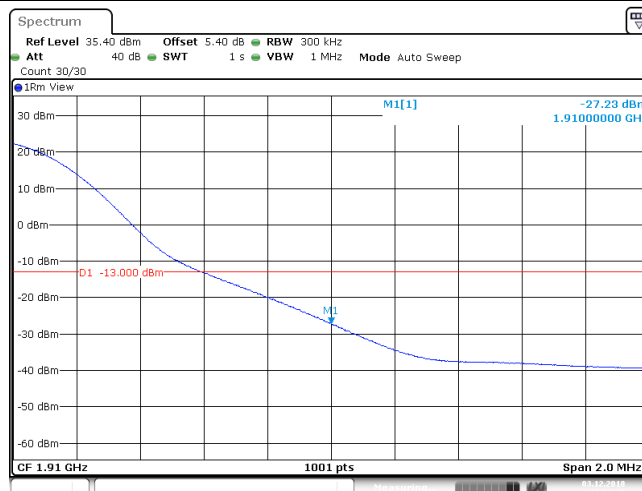
Date: 3.DEC.2018 12:49:44

**Band2\_20MHz\_16QAM\_18700\_100RB#0**



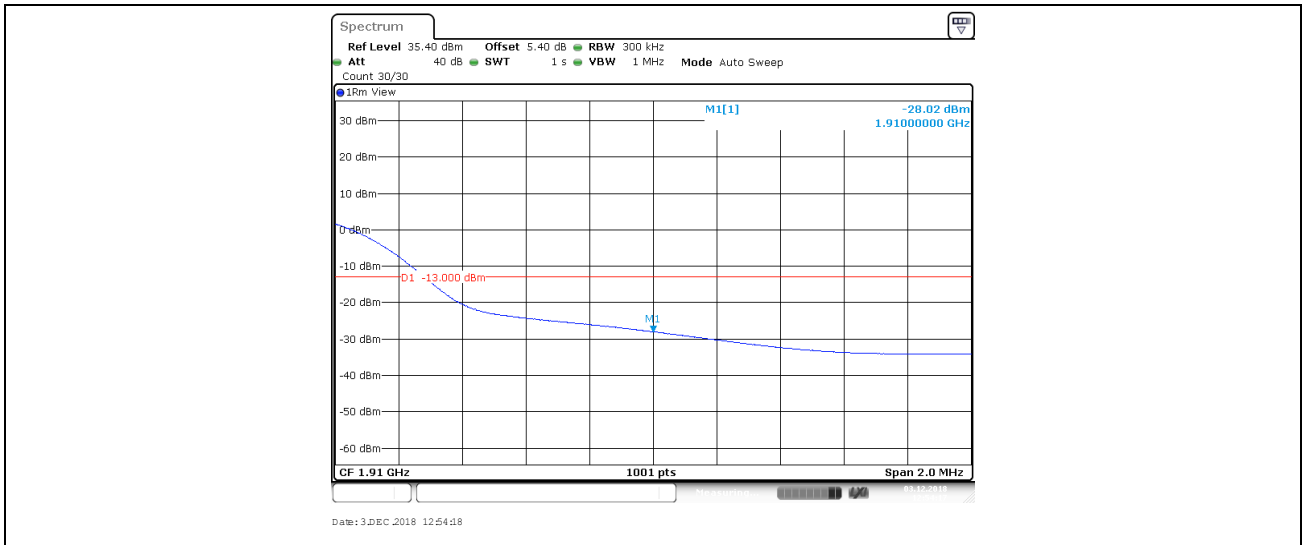
Date: 3.DEC.2018 12:51:13

**Band2\_20MHz\_16QAM\_19100\_1RB#99**



Date: 3.DEC.2018 12:52:49

**Band2\_20MHz\_16QAM\_19100\_100RB#0**

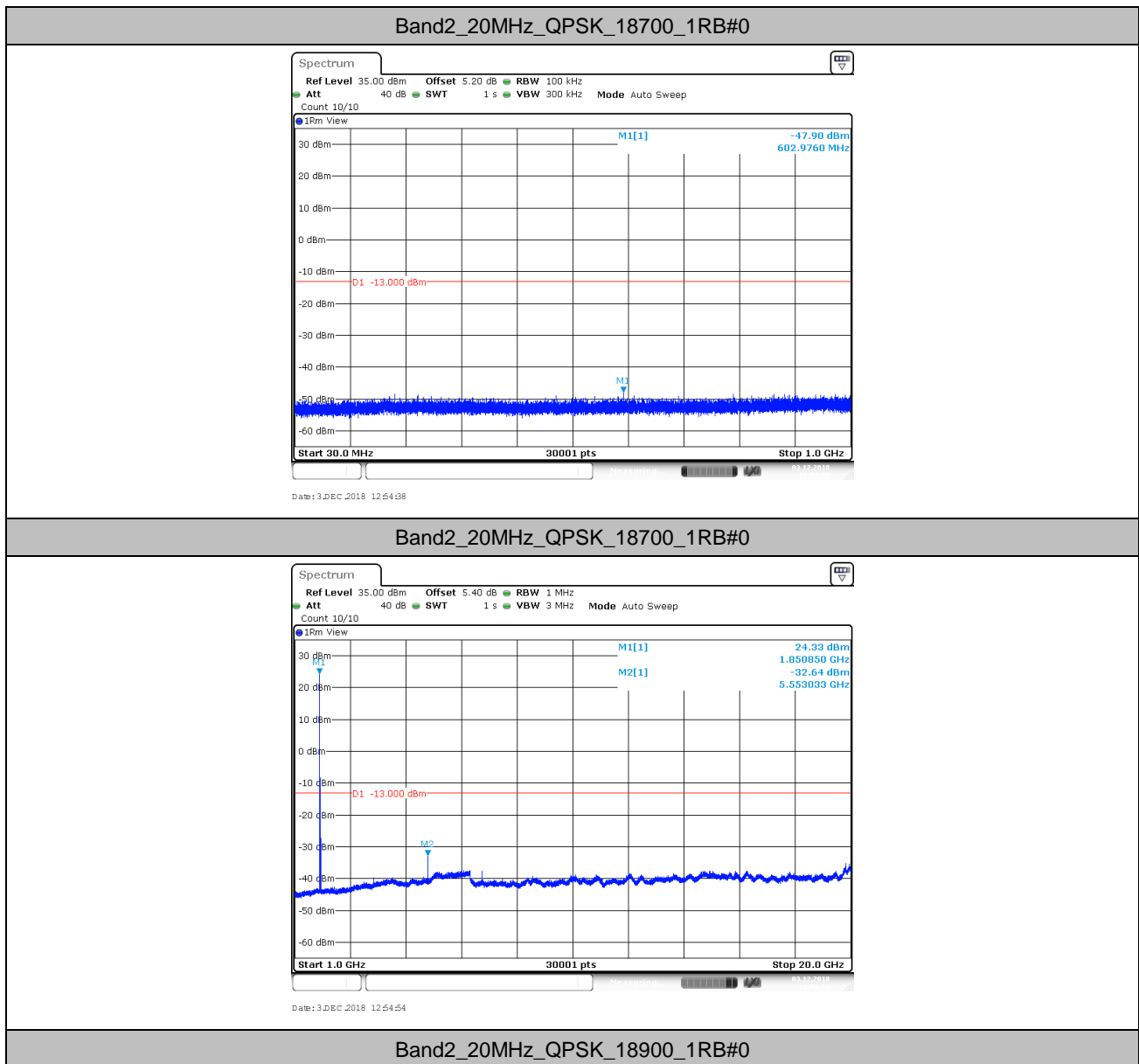


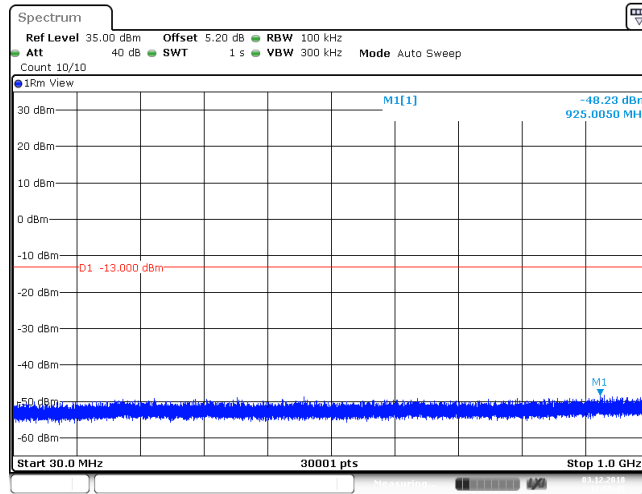
## 6. Spurious Emission at Antenna Terminal

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 =  $k * (Span / RBW)$ " 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.

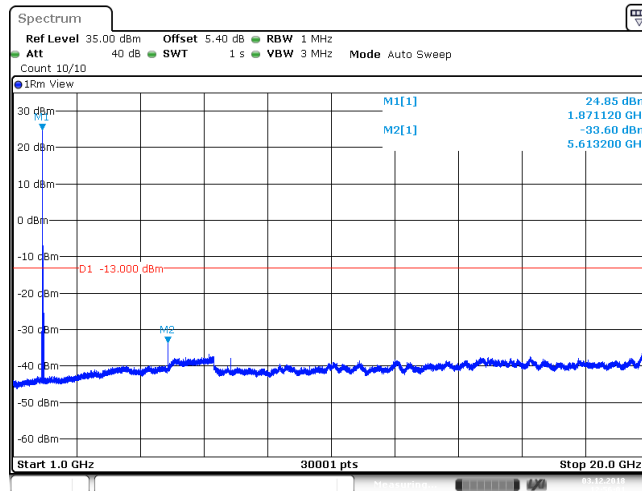
### 6.1. Test Plots





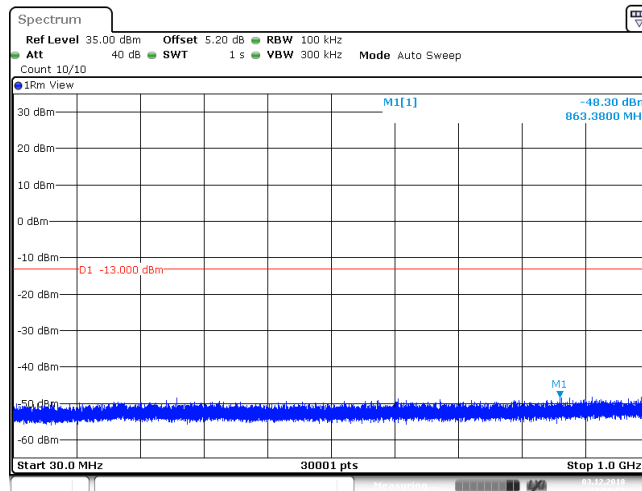
Date: 3.DEC.2018 12:55:45

**Band2\_20MHz\_QPSK\_18900\_1RB#0**



Date: 3.DEC.2018 12:56:01

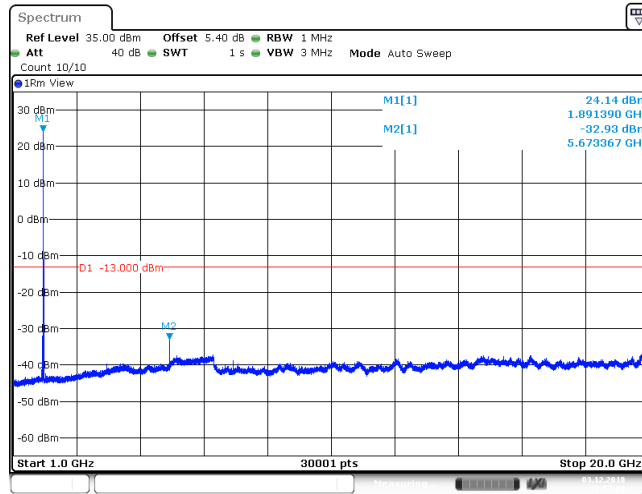
**Band2\_20MHz\_QPSK\_19100\_1RB#0**



Date: 3.DEC.2018 12:56:52

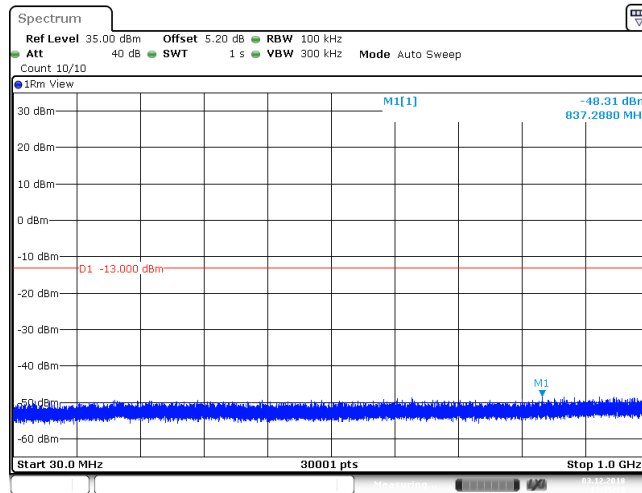
**Band2\_20MHz\_QPSK\_19100\_1RB#0**





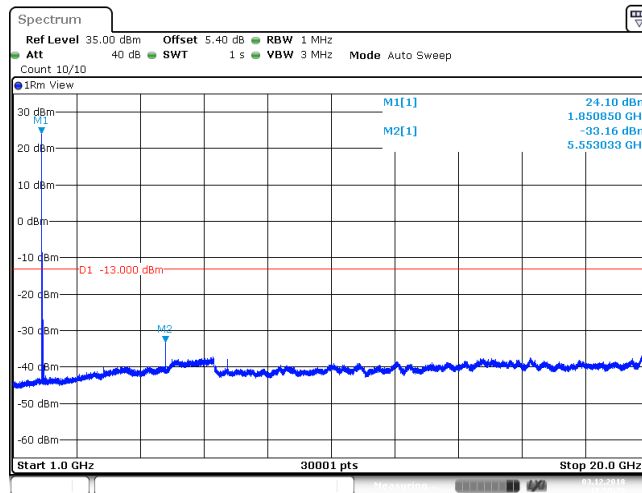
Date: 3.DEC.2018 12:57:08

**Band2\_20MHz\_16QAM\_18700\_1RB#0**



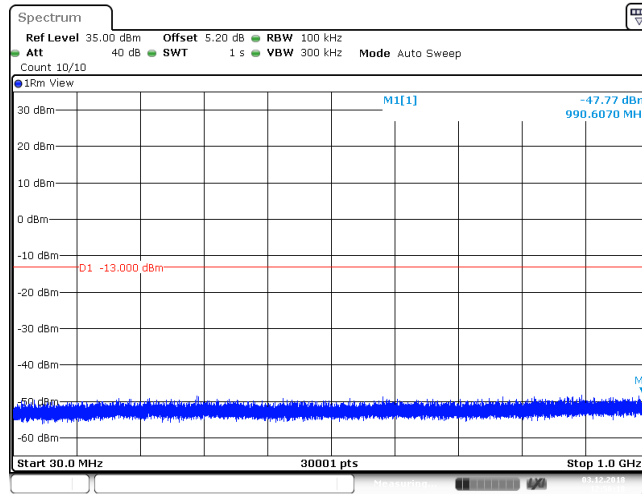
Date: 3.DEC.2018 12:55:10

**Band2\_20MHz\_16QAM\_18700\_1RB#0**



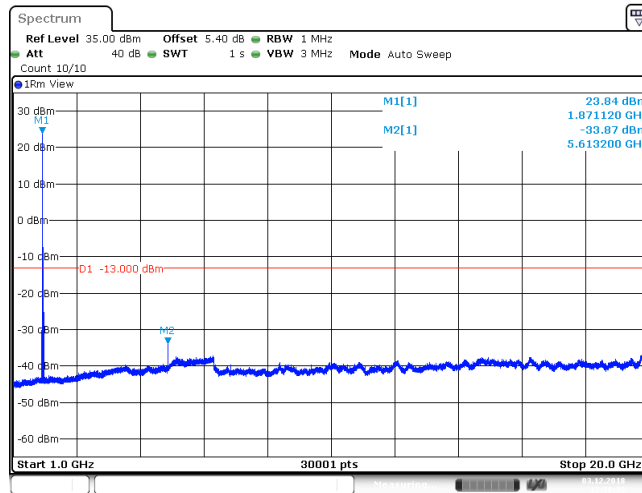
Date: 3.DEC.2018 12:55:26

**Band2\_20MHz\_16QAM\_18900\_1RB#0**



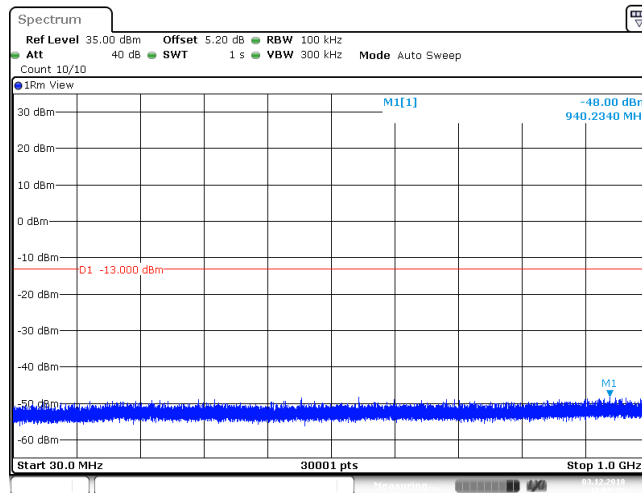
Date: 3.DEC.2018 12:56:18

**Band2\_20MHz\_16QAM\_18900\_1RB#0**



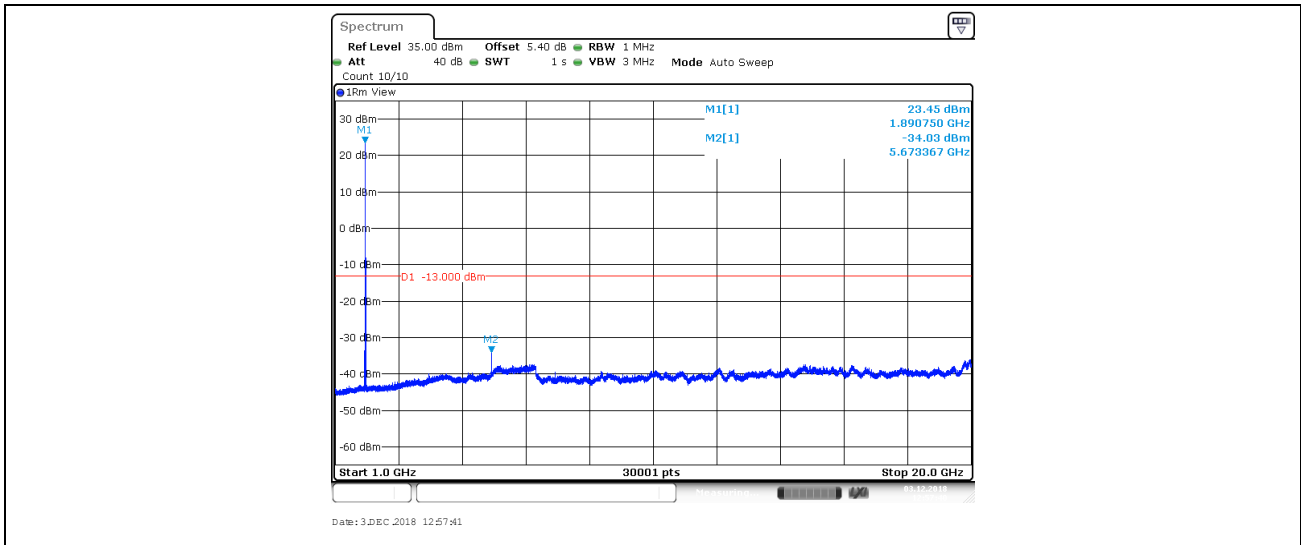
Date: 3.DEC.2018 12:56:34

**Band2\_20MHz\_16QAM\_19100\_1RB#0**



Date: 3.DEC.2018 12:57:25

**Band2\_20MHz\_16QAM\_19100\_1RB#0**



## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE BAND 2

#### 7.1.1. Test Mode = LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
72.150000	-79.12	-13.00	66.12	Vertical
132.650000	-76.70	-13.00	63.70	Vertical
423.050000	-83.94	-13.00	70.94	Vertical
3702.000000	-67.39	-13.00	54.39	Vertical
5553.200000	-48.31	-13.00	35.31	Vertical
7404.075000	-37.65	-13.00	24.65	Vertical
62.850000	-76.74	-13.00	63.74	Horizontal
131.050000	-77.32	-13.00	64.32	Horizontal
423.200000	-79.93	-13.00	66.93	Horizontal
3702.000000	-68.23	-13.00	55.23	Horizontal
5553.200000	-59.68	-13.00	46.68	Horizontal
7404.400000	-49.66	-13.00	36.66	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
70.800000	-81.10	-13.00	68.10	Vertical
131.850000	-76.24	-13.00	63.24	Vertical
422.050000	-83.98	-13.00	70.98	Vertical
3741.975000	-63.67	-13.00	50.67	Vertical
5613.000000	-52.29	-13.00	39.29	Vertical
7484.350000	-40.32	-13.00	27.32	Vertical
62.850000	-77.32	-13.00	64.32	Horizontal
209.950000	-75.34	-13.00	62.34	Horizontal
3741.975000	-66.46	-13.00	53.46	Horizontal
5613.325000	-62.18	-13.00	49.18	Horizontal
7484.350000	-51.17	-13.00	38.17	Horizontal

**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
72.100000	-79.37	-13.00	66.37	Vertical
131.050000	-76.80	-13.00	63.80	Vertical
423.700000	-83.41	-13.00	70.41	Vertical
3781.950000	-65.33	-13.00	52.33	Vertical
5673.125000	-47.70	-13.00	34.70	Vertical
7564.300000	-44.87	-13.00	31.87	Vertical
62.400000	-77.52	-13.00	64.52	Horizontal
131.750000	-77.55	-13.00	64.55	Horizontal
423.400000	-79.71	-13.00	66.71	Horizontal
3781.950000	-66.92	-13.00	53.92	Horizontal
5673.125000	-60.53	-13.00	47.53	Horizontal
7564.300000	-52.43	-13.00	39.43	Horizontal

Remark:

- 1) The disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-0.10	-0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-1.40	-0.000745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-0.40	-0.000211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-4.20	-0.002211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-0.60	-0.000316	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	2.10	0.001129	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	0.80	0.000430	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-4.90	-0.002606	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-4.10	-0.002158	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.50	-0.000789	±2.5	PASS

### 8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	0.90	0.000484	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	2.00	0.001075	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.40	0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	0.90	0.000484	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-2.70	-0.001436	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.50	-0.000798	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.80	-0.000426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-2.70	-0.001436	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-4.80	-0.002526	±2.5	PASS



Band2	20MHz	QPSK	19100	100RB#0	NV	0	-1.40	-0.000737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	3.00	0.001613	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	2.70	0.001452	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	0.10	0.000054	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	0.60	0.000323	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-5.70	-0.003032	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-4.60	-0.002447	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-2.80	-0.001489	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-2.00	-0.001053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-4.30	-0.002263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-0.50	-0.000263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-1.30	-0.000684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.30	-0.001211	±2.5	PASS

The End