



Appendix B

E-UTRA BAND 26 (824MHz-849MHz)



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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 BAND = LTE BAND 26.....	13
3.1.1. Test Mode = LTE /TM1 15MHz.....	13
3.1.1.1. Test Channel = MCH.....	13
3.1.2. Test Mode = LTE /TM2 15MHz.....	14
3.1.2.1. 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.....	31
5.1. Test Plots.....	31
6. SPURIOUS EMISSION AT ANTENNA TERMINAL.....	51
6.1. Test Plots.....	51
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	57
7.1. Test BAND = LTE BAND 26.....	57
7.1.1. Test Mode =LTE/TM1 15MHz RB1#0.....	57
7.1.1.1. Test Channel = LCH.....	57
7.1.1.2. Test Channel = MCH.....	57
7.1.1.3. Test Channel = HCH	58
7.1.1.4. Spot check worse mode.....	58
8. FREQUENCY STABILITY.....	60
8.1. Frequency Vs Voltage	60
8.2. Frequency Vs Temperature	60



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	23.11	23.49	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.25	23.63	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.34	23.72	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	23.47	23.85	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	23.49	23.87	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	23.47	23.85	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.39	22.77	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.43	23.81	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.49	23.87	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.37	23.75	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	23.64	24.02	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	23.65	24.03	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	23.57	23.95	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.48	22.86	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.18	23.56	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.42	23.80	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.00	23.38	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	23.40	23.78	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	23.43	23.81	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	23.42	23.80	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.47	22.85	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.08	22.46	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.14	22.52	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.12	22.50	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	22.56	22.94	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	22.63	23.01	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	22.49	22.87	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.41	21.79	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.22	22.60	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.27	22.65	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.15	22.53	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	22.63	23.01	38.45	PASS



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Band26	1.4MHz	16QAM	26915	3RB#1	22.64	23.02	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	22.62	23.00	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.28	21.66	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.08	22.46	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.18	22.56	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.00	22.38	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.76	23.14	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.59	22.97	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	22.53	22.91	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.35	21.73	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.32	23.70	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.38	23.76	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.51	23.89	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#0	22.50	22.88	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#4	22.50	22.88	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#7	22.46	22.84	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.53	22.91	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.35	23.73	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.37	23.75	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.37	23.75	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#0	22.44	22.82	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#4	22.40	22.78	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#7	22.45	22.83	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.46	22.84	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.42	23.80	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.27	23.65	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.13	23.51	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#0	22.59	22.97	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#4	22.51	22.89	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#7	22.38	22.76	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	22.46	22.84	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.04	22.42	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.03	22.41	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.08	22.46	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#0	21.13	21.51	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#4	21.35	21.73	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#7	21.45	21.83	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.44	21.82	38.45	PASS



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Band26	3MHz	16QAM	26915	1RB#0	22.04	22.42	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.15	22.53	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.98	22.36	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#0	21.16	21.54	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#4	21.26	21.64	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#7	21.21	21.59	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.57	21.95	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.03	22.41	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.95	22.33	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.03	22.41	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	21.21	21.59	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#4	21.20	21.58	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#7	21.26	21.64	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.41	21.79	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.14	23.52	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.45	23.83	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.12	23.50	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#0	22.56	22.94	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#6	22.47	22.85	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#13	22.37	22.75	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.44	22.82	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.25	23.63	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.64	24.02	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.31	23.69	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#0	22.41	22.79	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.48	22.86	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#13	22.34	22.72	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.42	22.80	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.27	23.65	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	23.42	23.80	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	22.86	23.24	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#0	22.55	22.93	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#6	22.33	22.71	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#13	22.29	22.67	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	22.48	22.86	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.03	22.41	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.41	22.79	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	21.93	22.31	38.45	PASS



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Band26	5MHz	16QAM	26815	12RB#0	21.42	21.80	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#6	21.35	21.73	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#13	21.35	21.73	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.34	21.72	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	21.86	22.24	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.42	22.80	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	21.76	22.14	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#0	21.29	21.67	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#6	21.23	21.61	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#13	21.36	21.74	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.44	21.82	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.02	22.40	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.51	22.89	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.04	22.42	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#0	21.42	21.80	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#6	21.40	21.78	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#13	21.24	21.62	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.36	21.74	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.26	23.64	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.78	24.16	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.00	23.38	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#0	22.69	23.07	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#12	22.72	23.10	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#25	22.46	22.84	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.44	22.82	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.17	23.55	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.84	24.22	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	22.84	23.22	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#0	22.58	22.96	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.71	23.09	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#25	22.26	22.64	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.55	22.93	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.29	23.67	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.94	24.32	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	22.77	23.15	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.67	23.05	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.57	22.95	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	22.25	22.63	38.45	PASS



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Band26	10MHz	QPSK	26990	50RB#0	22.43	22.81	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.04	22.42	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.15	22.53	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.12	22.50	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#0	21.46	21.84	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#12	21.60	21.98	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#25	21.50	21.88	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.56	21.94	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.32	22.70	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.24	22.62	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.14	22.52	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#0	21.33	21.71	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#12	21.55	21.93	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#25	21.43	21.81	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.47	21.85	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	22.15	22.53	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	21.84	22.22	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	21.96	22.34	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#0	21.35	21.73	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#12	21.51	21.89	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#25	21.49	21.87	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.55	21.93	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.39	23.77	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.74	24.12	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.77	23.15	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#0	22.62	23.00	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#18	22.67	23.05	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#39	22.44	22.82	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.47	22.85	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.20	23.58	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.68	24.06	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.89	23.27	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#0	22.60	22.98	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#18	22.63	23.01	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#39	22.31	22.69	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.46	22.84	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.26	23.64	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.70	24.08	38.45	PASS



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Band26	15MHz	QPSK	26965	1RB#74	22.71	23.09	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#0	22.70	23.08	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#18	22.54	22.92	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#39	22.42	22.80	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.59	22.97	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	21.95	22.33	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.06	22.44	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.06	22.44	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#0	21.45	21.83	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#18	21.47	21.85	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#39	21.47	21.85	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.48	21.86	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.17	22.55	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.24	22.62	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.14	22.52	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#0	21.56	21.94	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#18	21.42	21.80	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#39	21.46	21.84	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.39	21.77	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.07	22.45	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.12	22.50	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.10	22.48	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#0	21.53	21.91	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#18	21.49	21.87	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#39	21.44	21.82	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.42	21.80	38.45	PASS

Remark:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level



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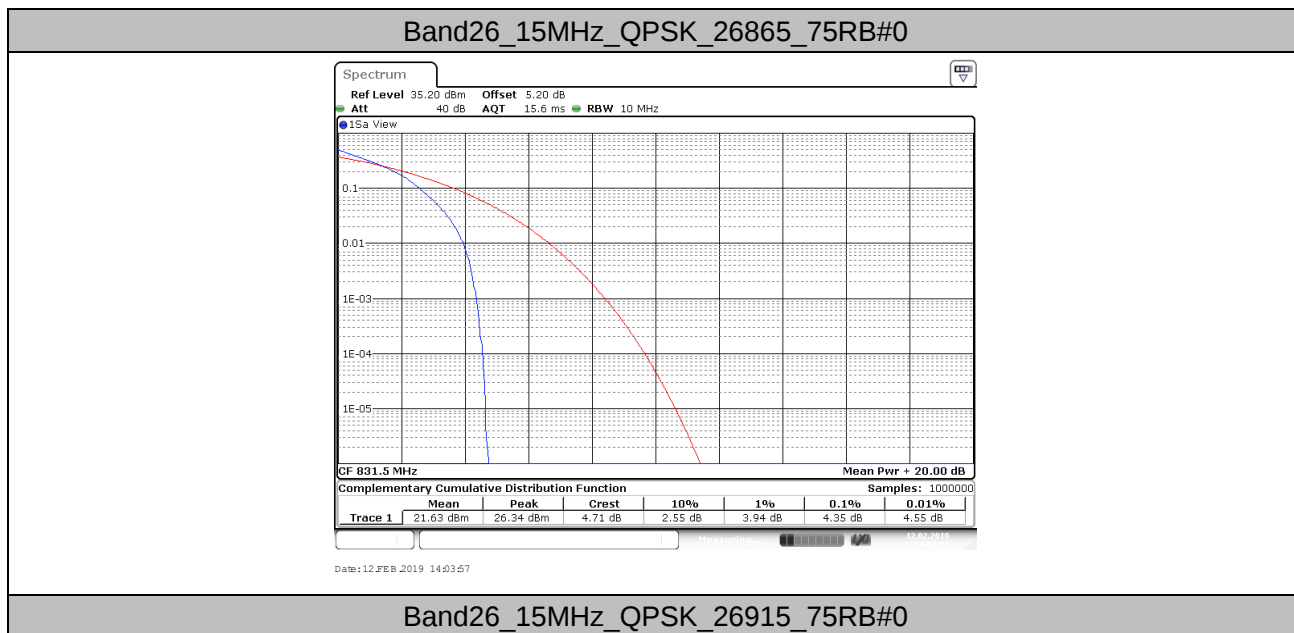
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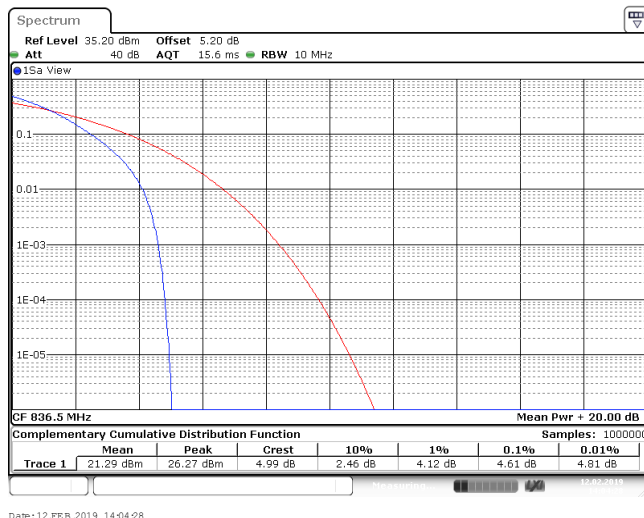
2. Peak-to-Average Ratio(CCDF)

2.1.Test Result

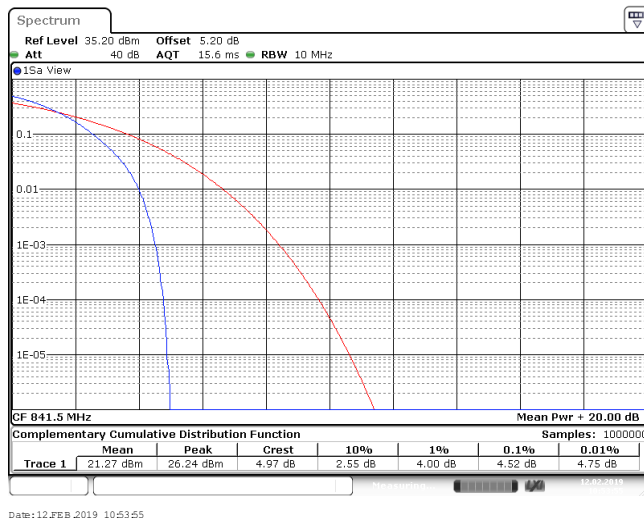
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.35	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.61	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.52	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	5.77	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	5.88	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.88	13	PASS

2.2.Test Plots



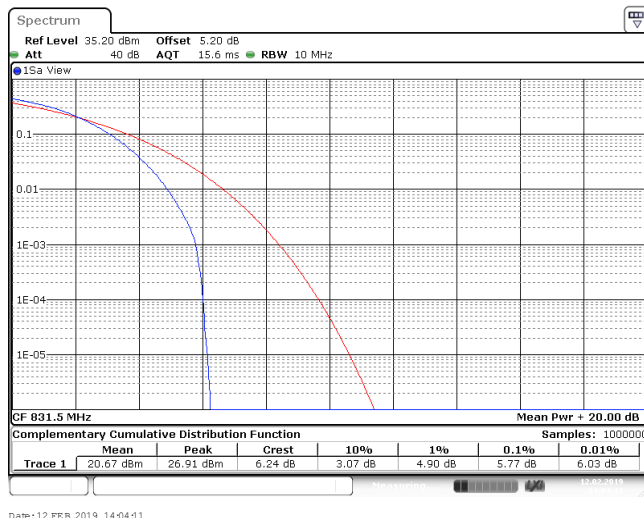


Band26_15MHz_QPSK_26965_75RB#0

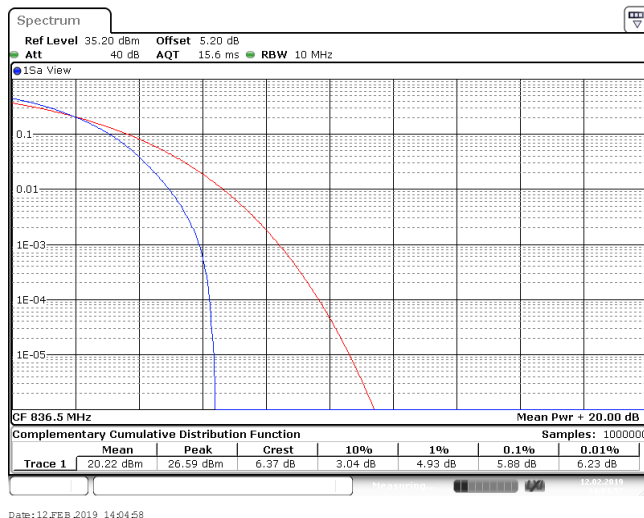


Band26_15MHz_16QAM_26865_75RB#0



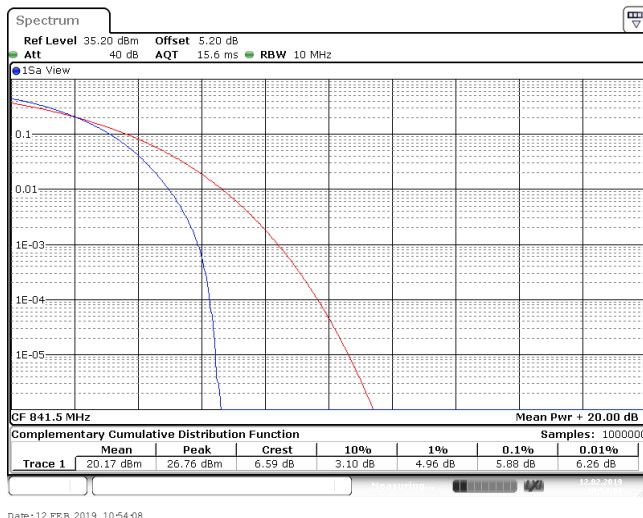


Band26_15MHz_16QAM_26915_75RB#0



Band26_15MHz_16QAM_26965_75RB#0





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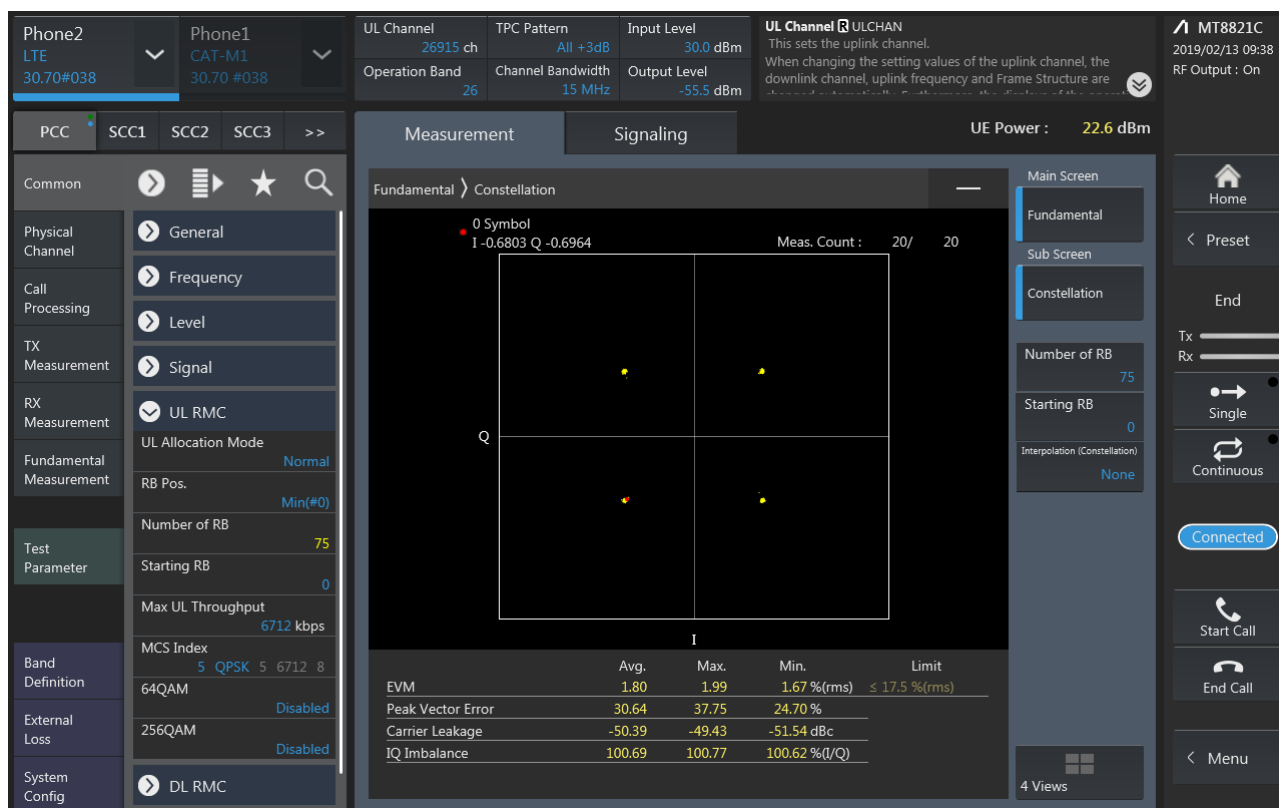


3. Modulation Characteristics

3.1. Test BAND = LTE BAND 26

3.1.1. Test Mode = LTE /TM1 15MHz

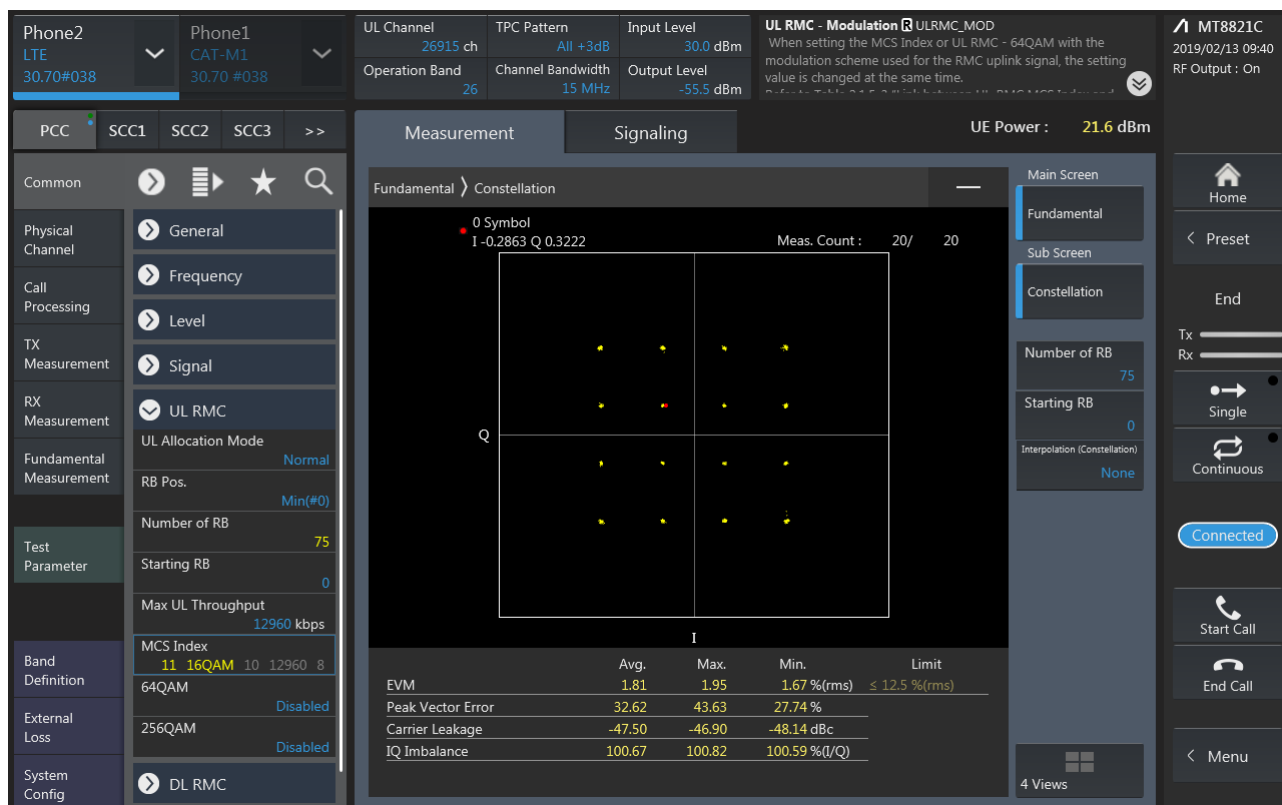
3.1.1.1. Test Channel = MCH





3.1.2. Test Mode = LTE /TM2 15MHz

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
Band26	1.4MHz	QPSK	26797	6RB#0	1.094	1.284	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.091	1.296	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.094	1.296	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.088	1.287	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.091	1.284	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.088	1.281	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.697	2.982	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.703	2.994	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.697	3.000	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.685	2.970	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.685	2.964	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.691	2.982	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.466	4.940	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.476	4.940	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.476	4.930	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.466	4.960	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.486	4.960	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.486	4.950	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.891	9.640	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.951	9.700	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.911	9.660	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.891	9.680	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.931	9.760	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.891	9.680	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.397	14.700	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.457	14.760	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.427	14.730	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.397	14.760	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.427	14.700	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.427	14.730	PASS

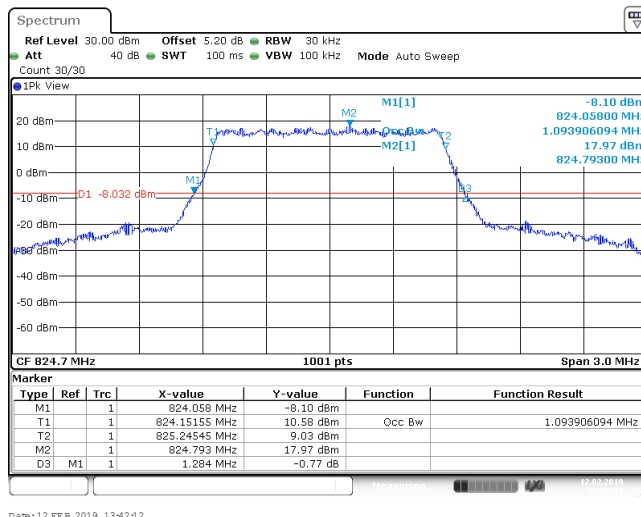


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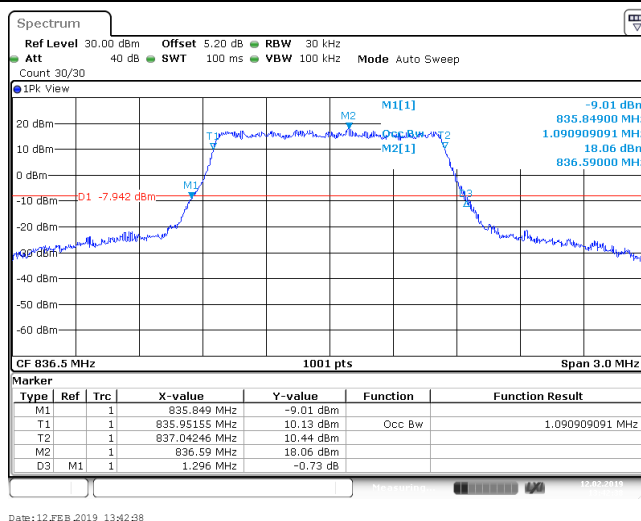
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4.2. Test Plots

Band26_1.4MHz_QPSK_26797_6RB#0

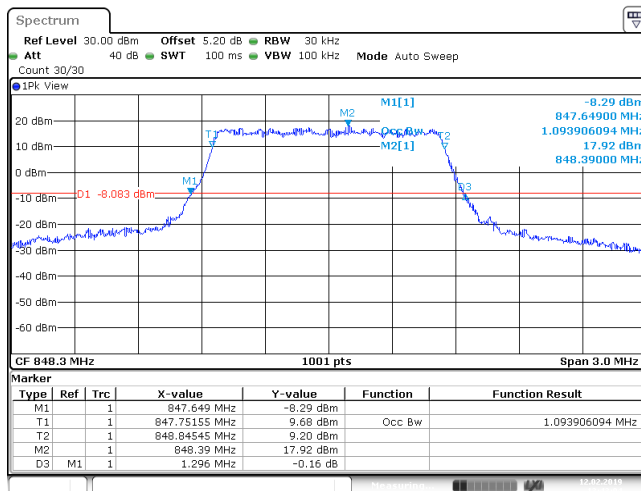


Band26_1.4MHz_QPSK_26915_6RB#0



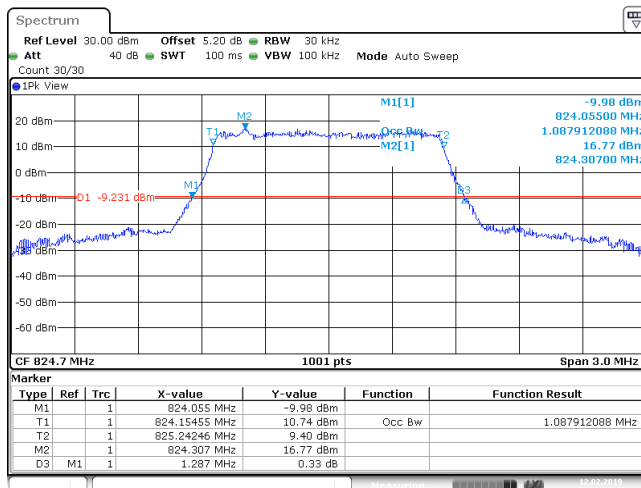
Band26_1.4MHz_QPSK_27033_6RB#0





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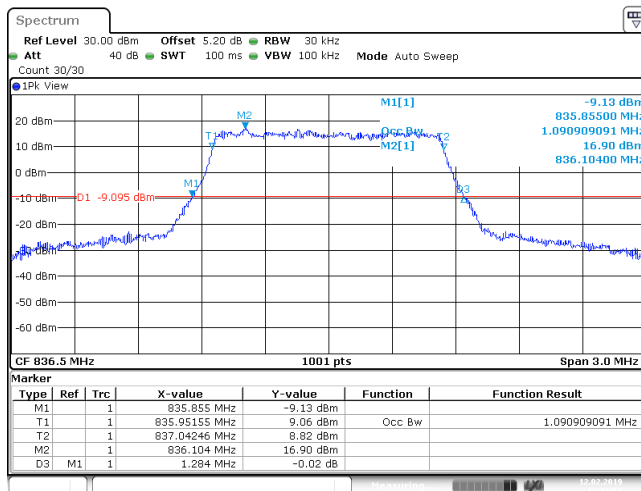
Band26_1.4MHz_16QAM_26797_6RB#0



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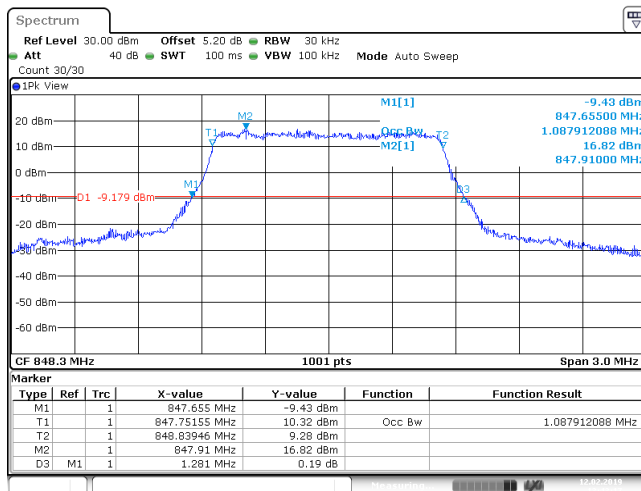
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Date: 12 FEB 2019 13:42:51

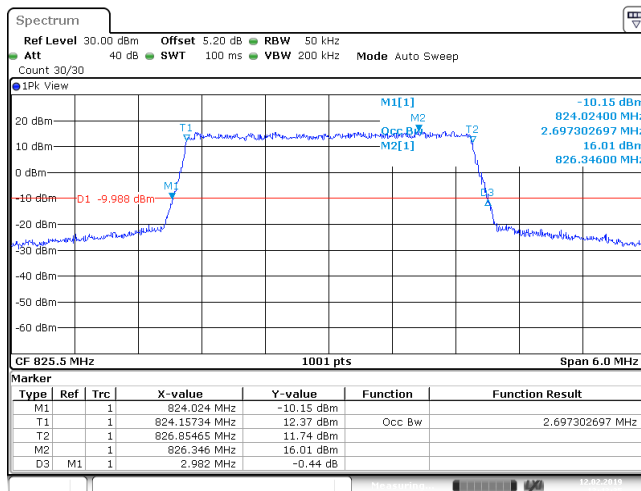
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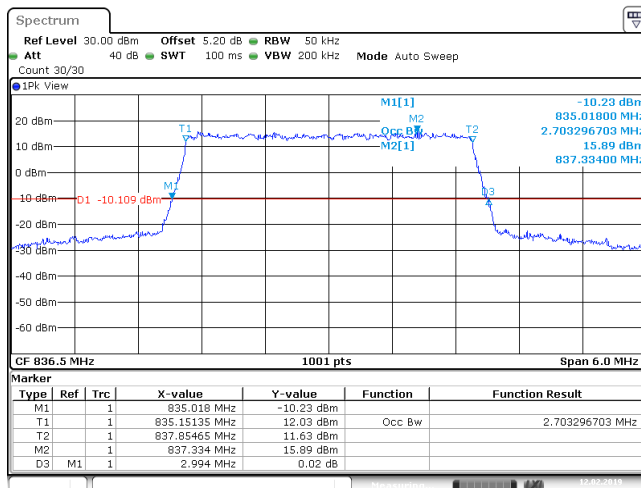
Band26_3MHz_QPSK_26805_15RB#0





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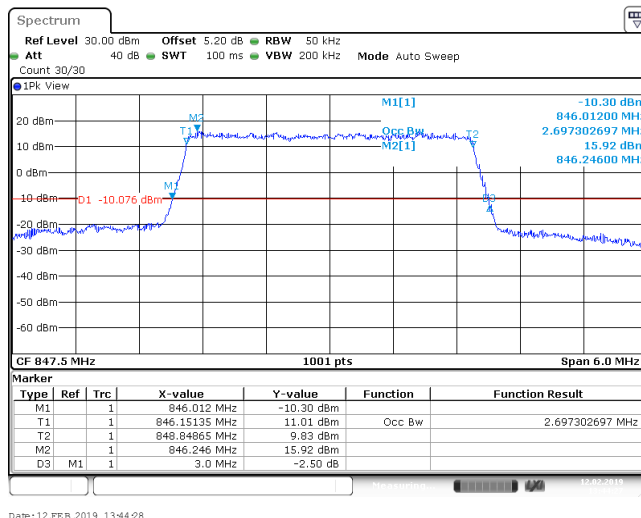
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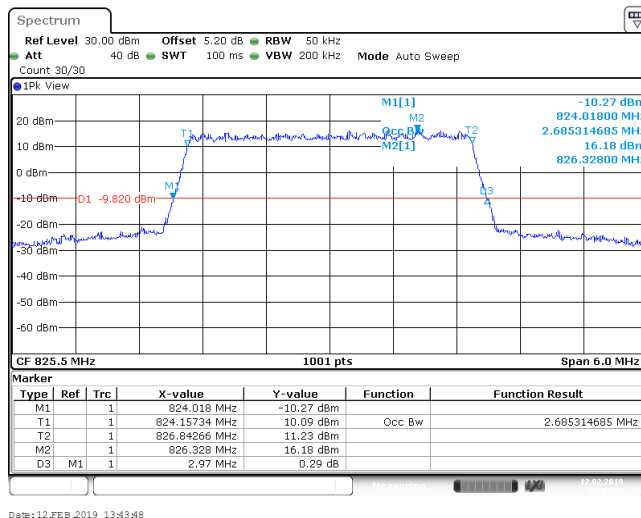
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Band26_3MHz_QPSK_27025_15RB#0



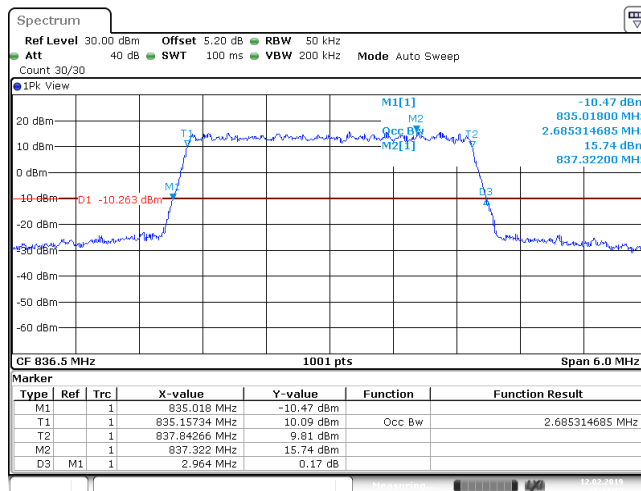


Band26_3MHz_16QAM_26805_15RB#0



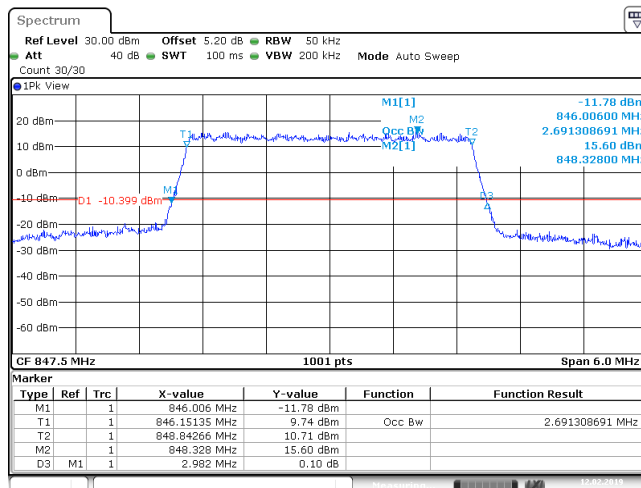
Band26_3MHz_16QAM_26915_15RB#0





Date: 12 FEB 2019 13:44:15

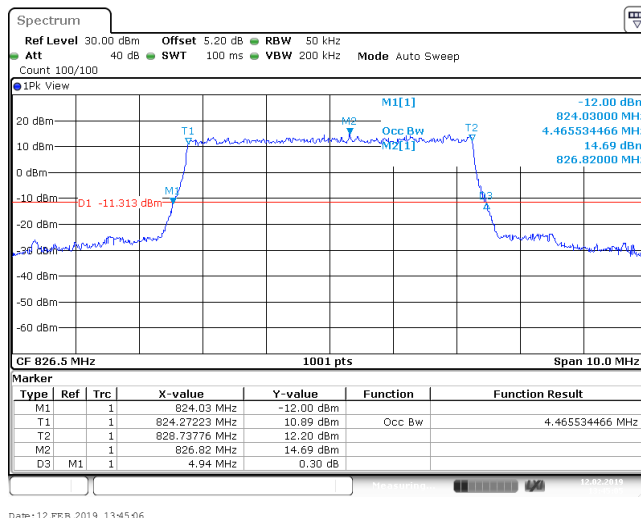
Band26_3MHz_16QAM_27025_15RB#0



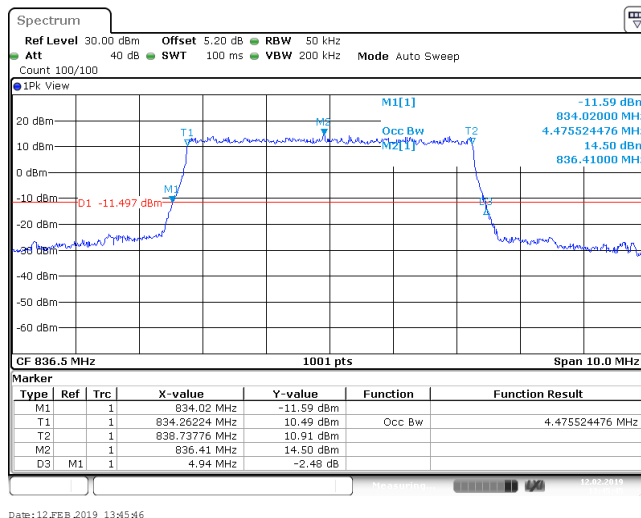
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Band26_5MHz_QPSK_26815_25RB#0





Band26_5MHz_QPSK_26915_25RB#0

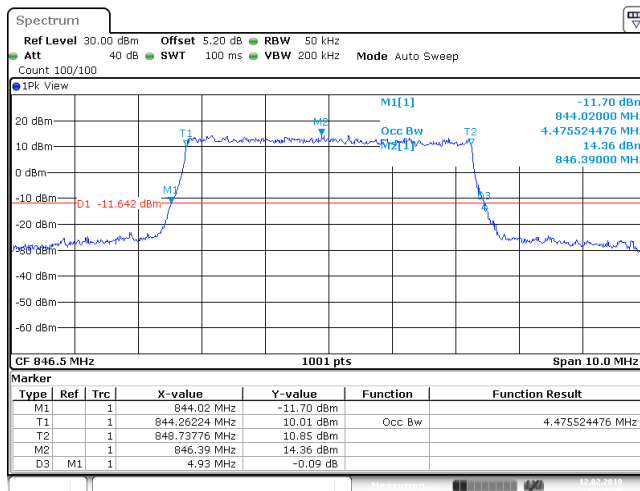


Band26_5MHz_QPSK_27015_25RB#0



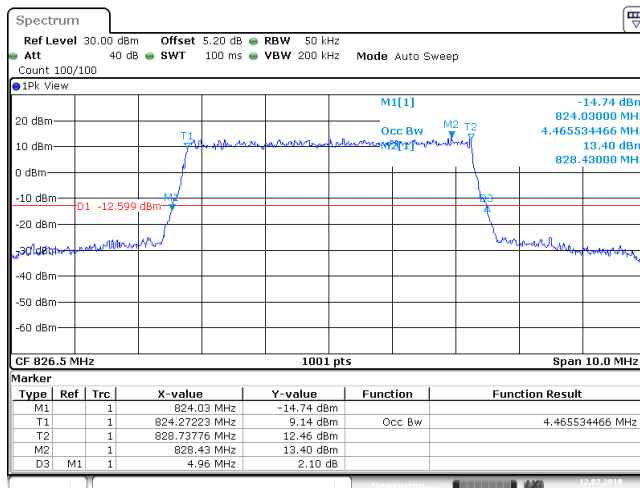
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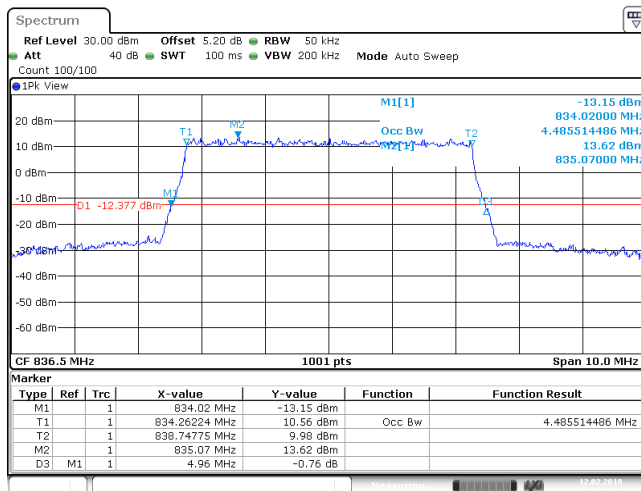
Band26_5MHz_16QAM_26815_25RB#0



Date: 12 FEB 2019 13:45:25

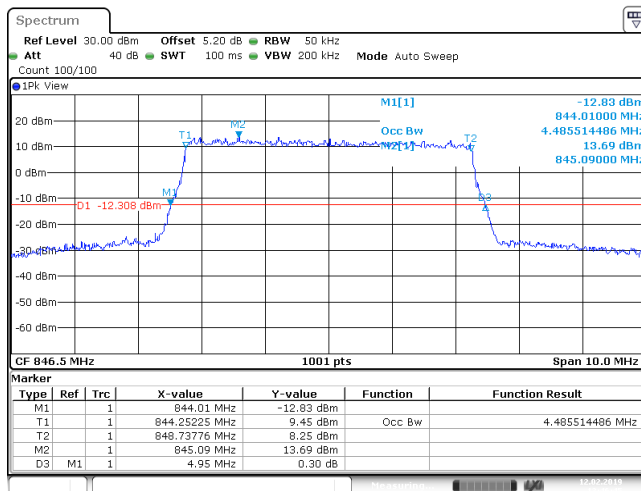
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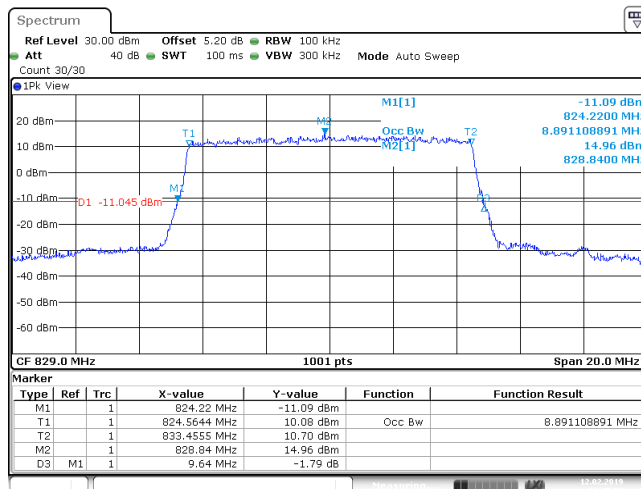
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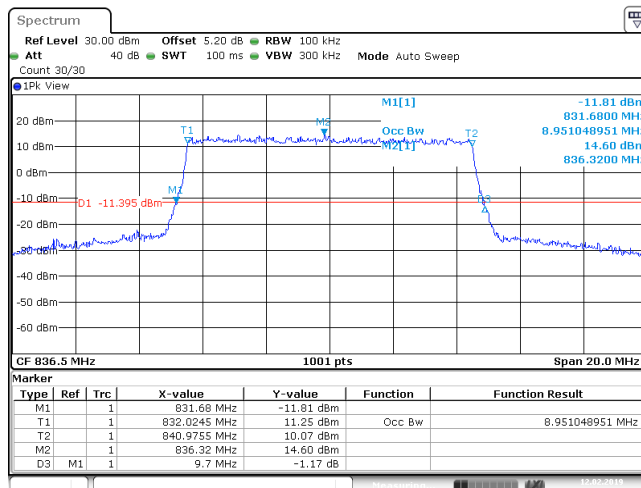
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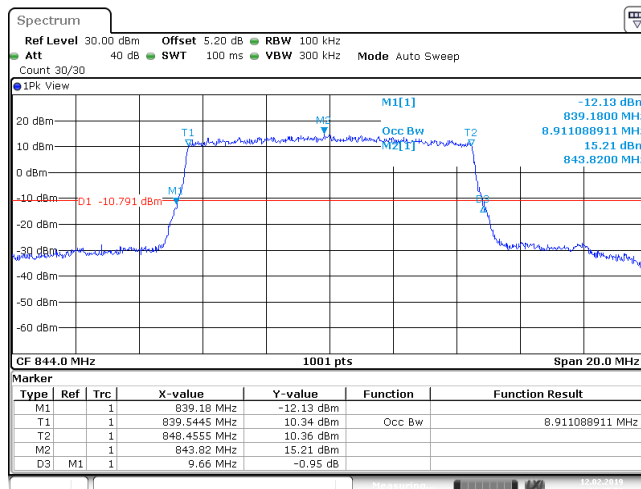
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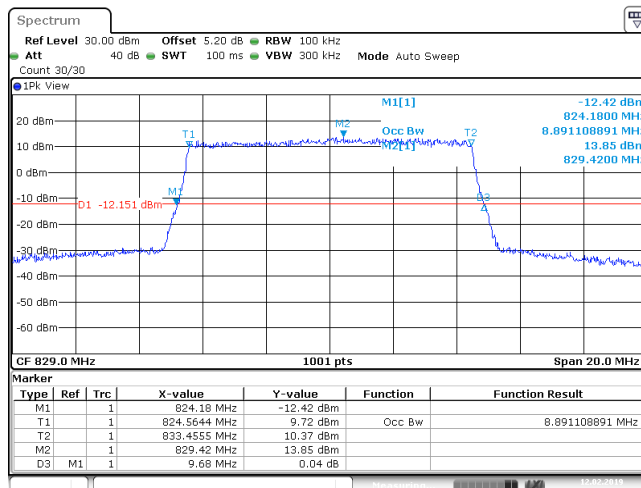
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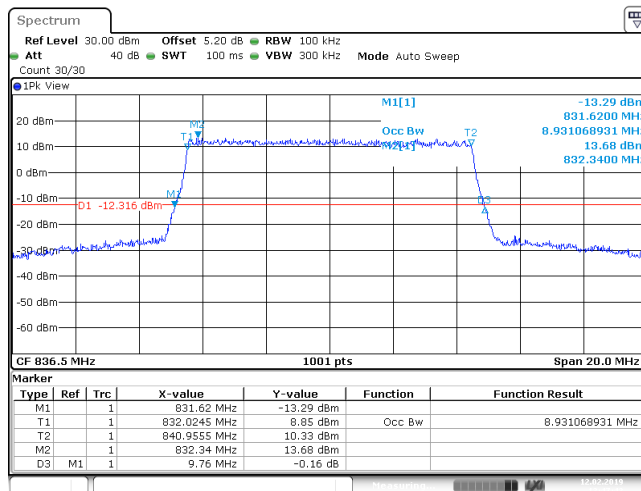
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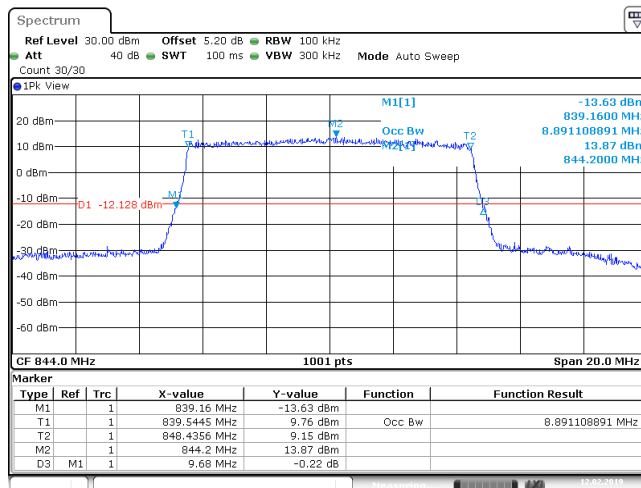
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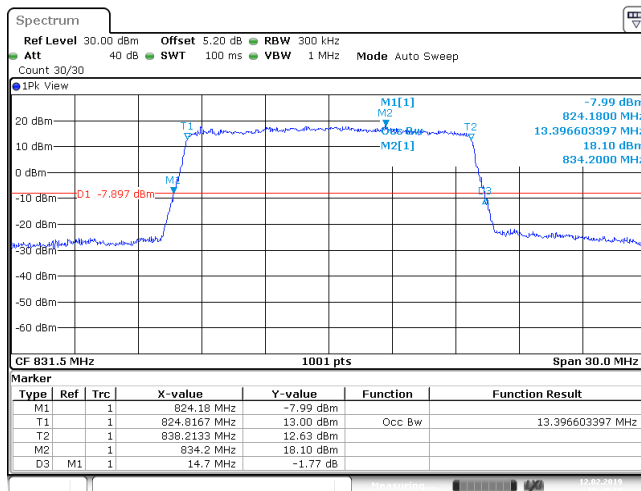
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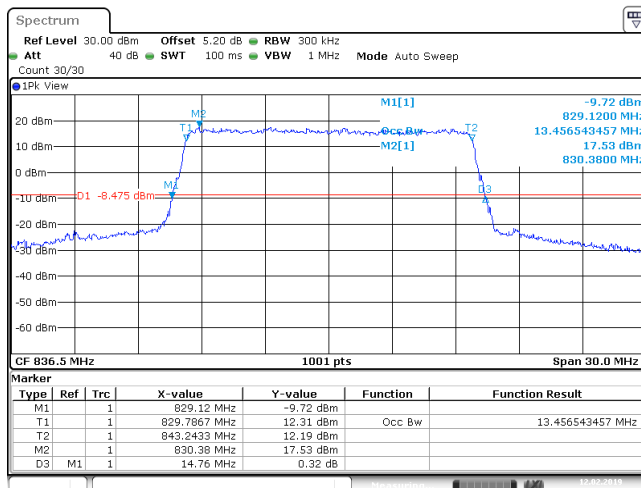
Band26_15MHz_QPSK_26865_75RB#0





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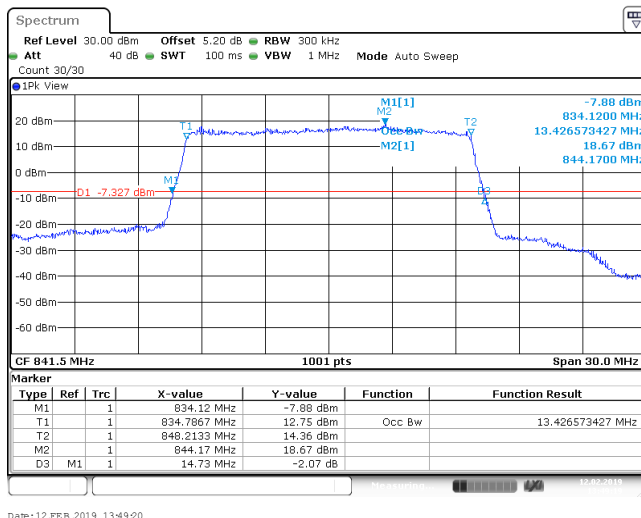
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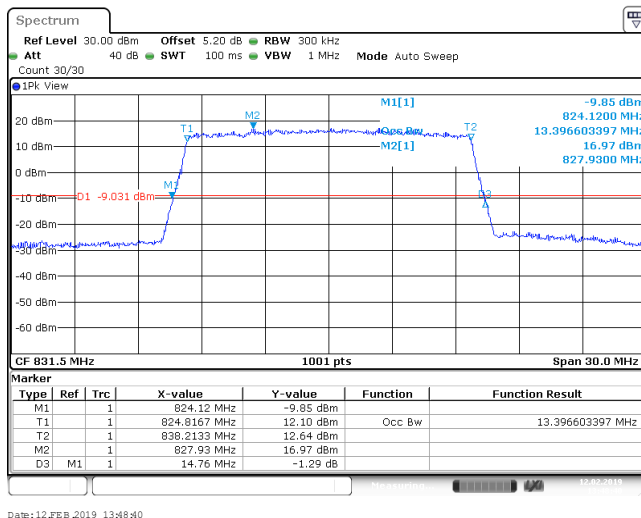
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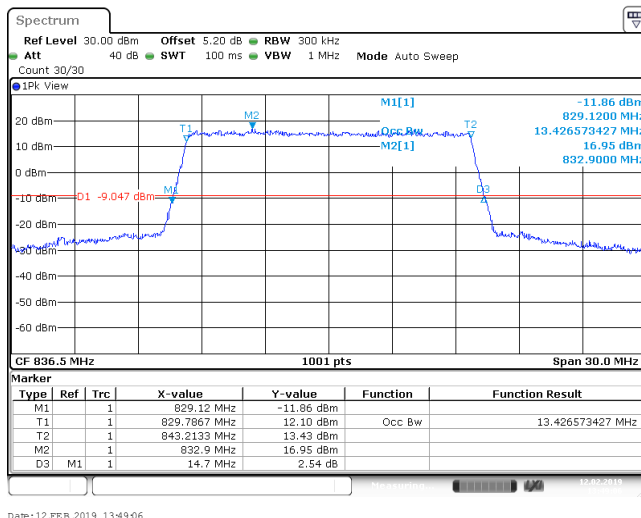


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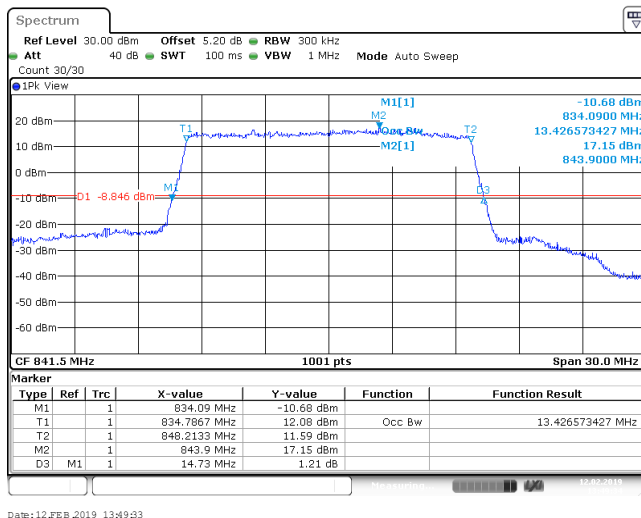


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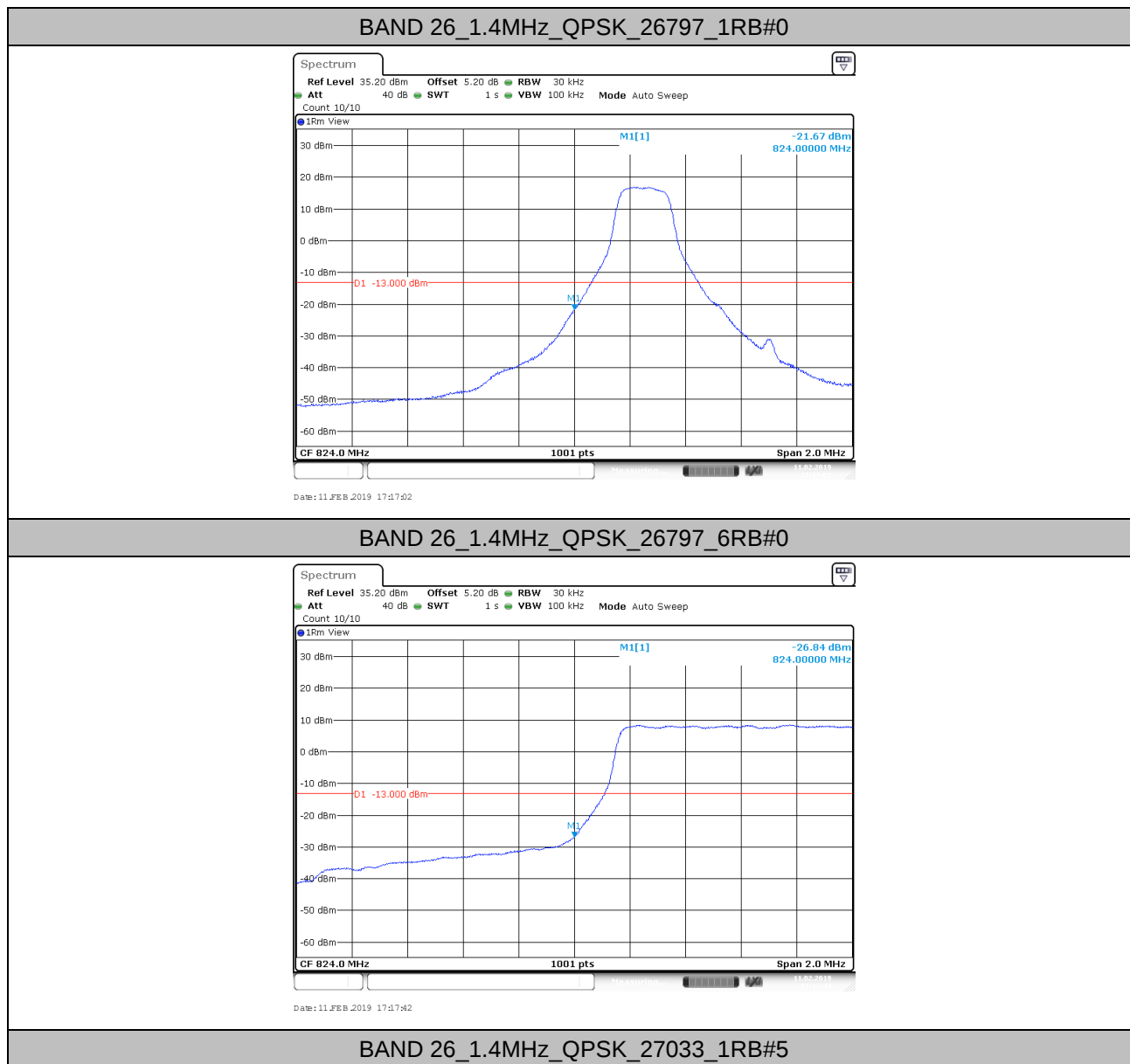
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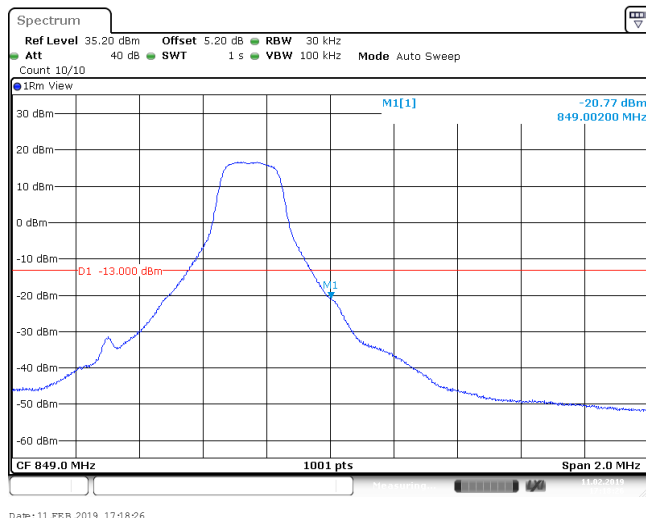




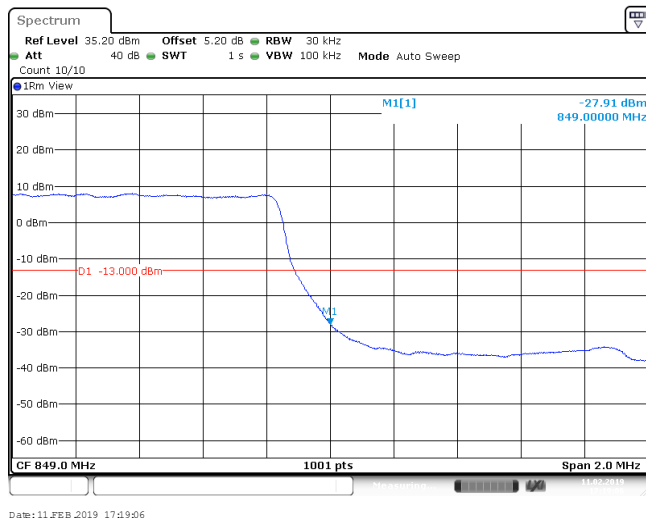
5. Band Edge Compliance

5.1. Test Plots



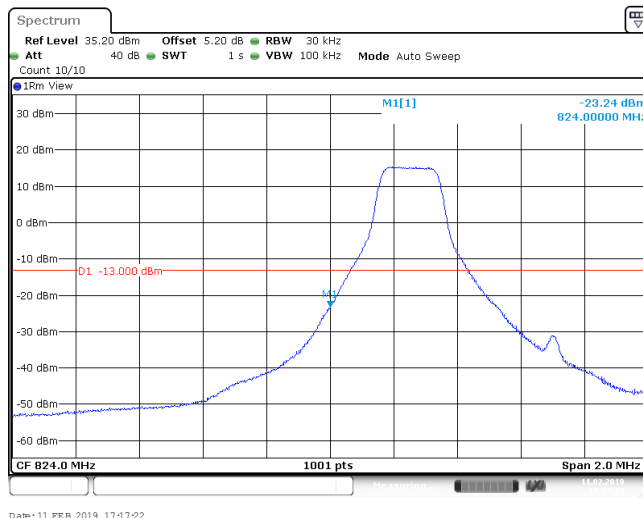


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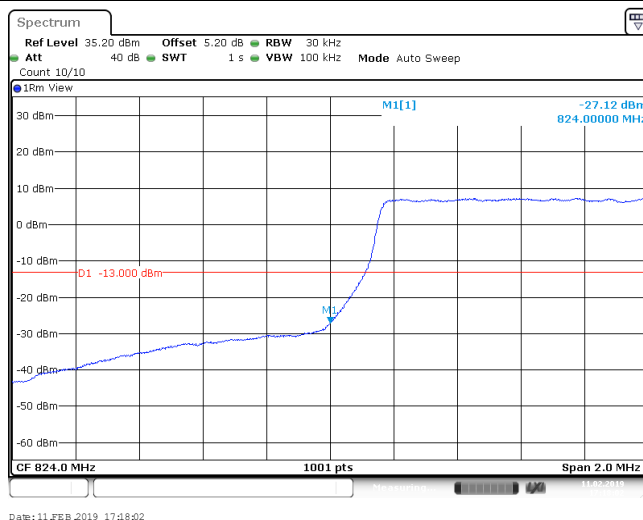


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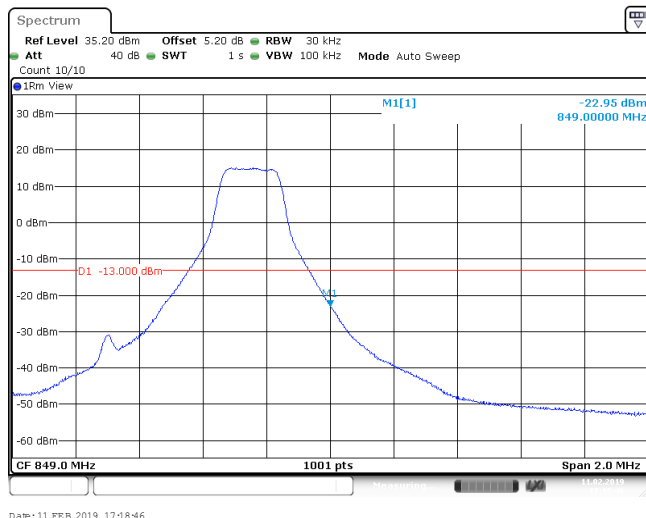


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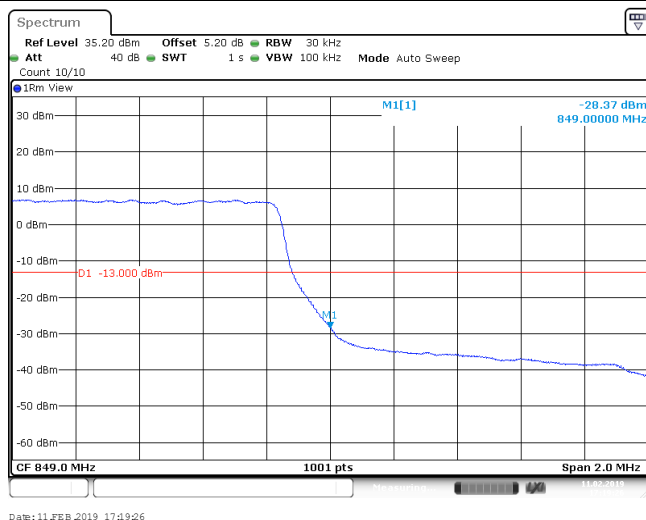


BAND 26_1.4MHz_16QAM_27033_1RB#5





BAND 26_1.4MHz_16QAM_27033_6RB#0

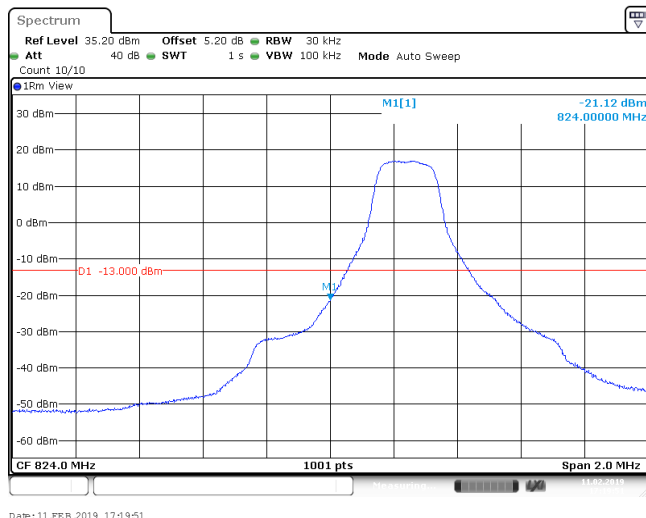


BAND 26_3MHz_QPSK_26805_1RB#0

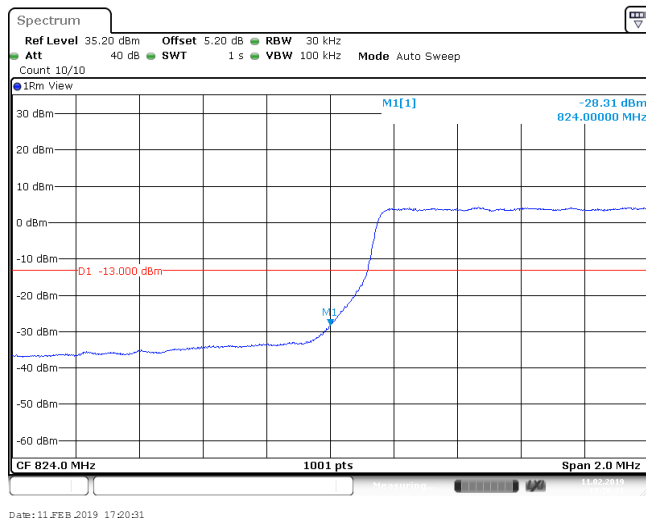


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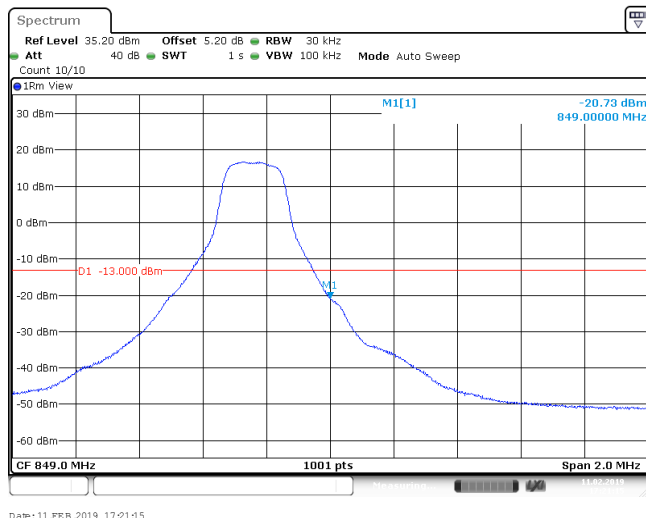


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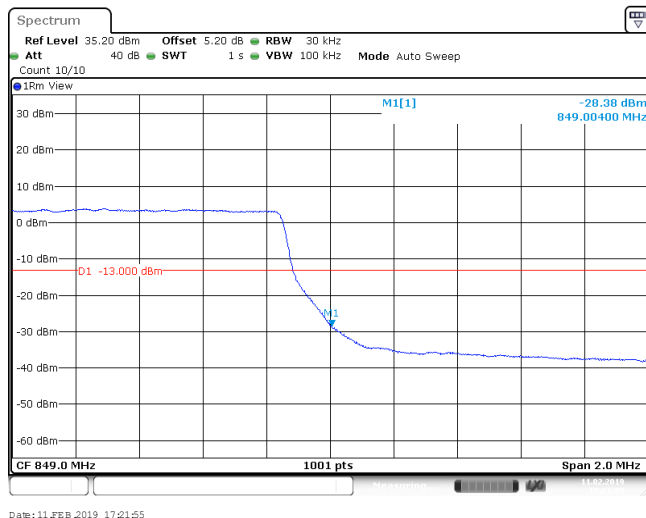


BAND 26_3MHz_QPSK_27025_1RB#14





BAND 26_3MHz_QPSK_27025_15RB#0



BAND 26_3MHz_16QAM_26805_1RB#0

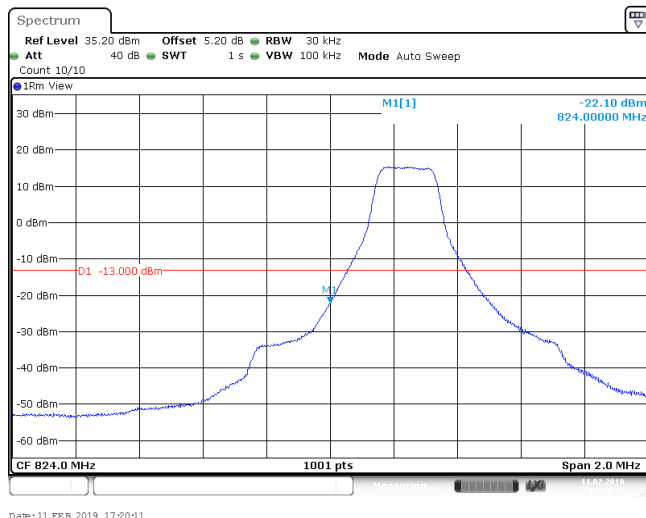


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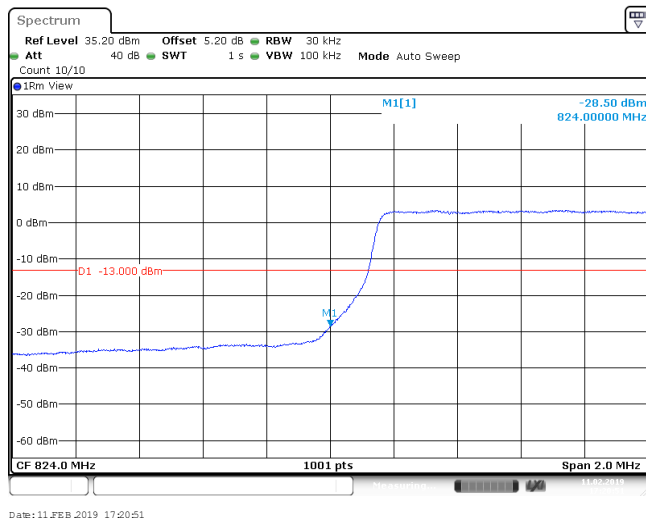
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BAND 26_3MHz_16QAM_26805_15RB#0

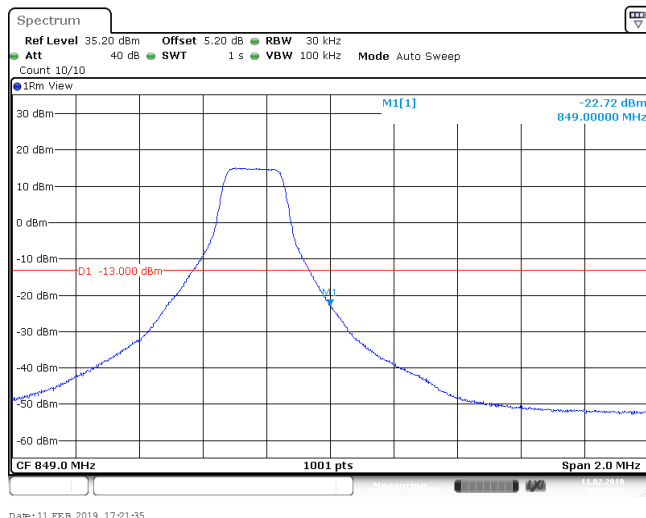


BAND 26_3MHz_16QAM_27025_1RB#14

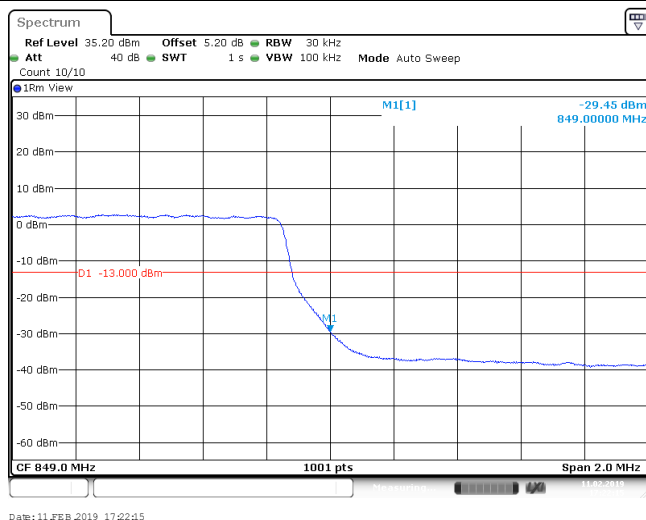


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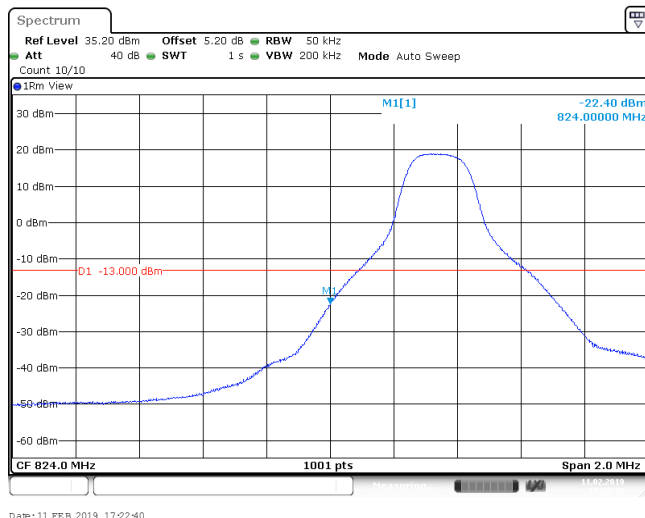


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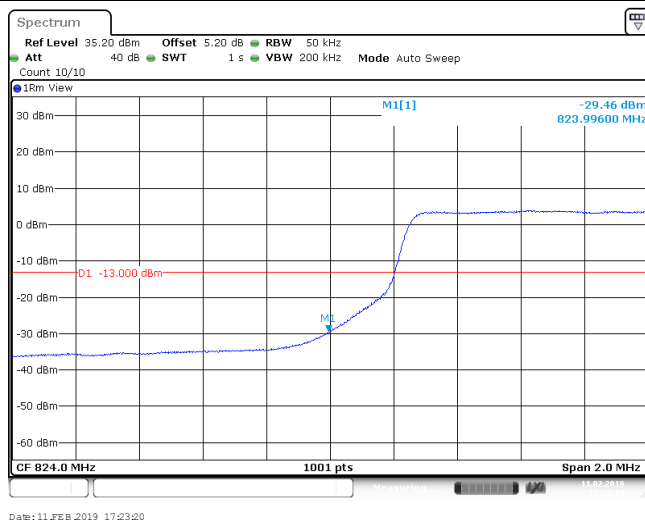


BAND 26_5MHz_QPSK_26815_1RB#0



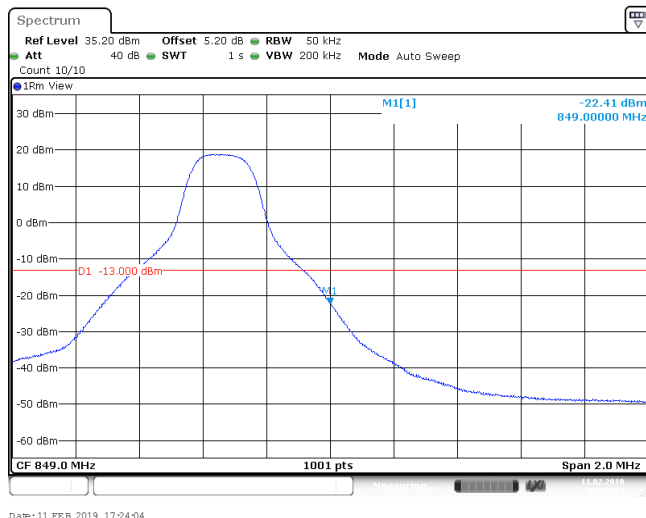


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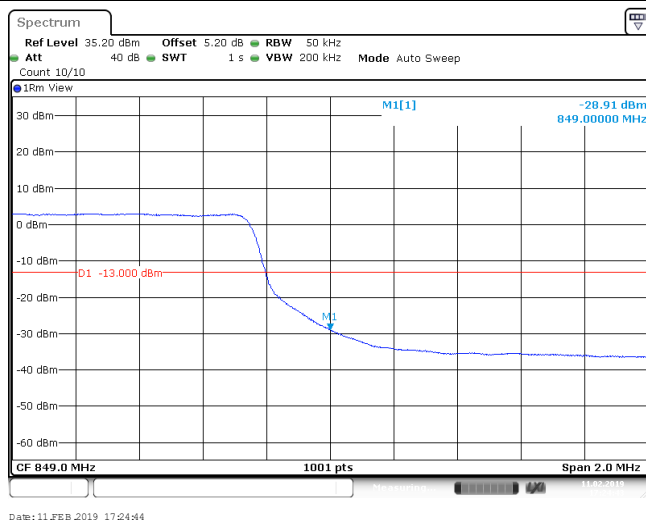


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BAND 26_5MHz_QPSK_27015_25RB#0

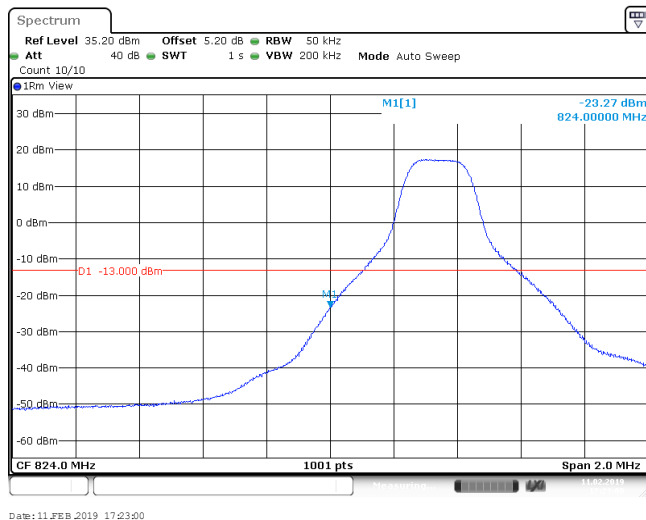


BAND 26_5MHz_16QAM_26815_1RB#0

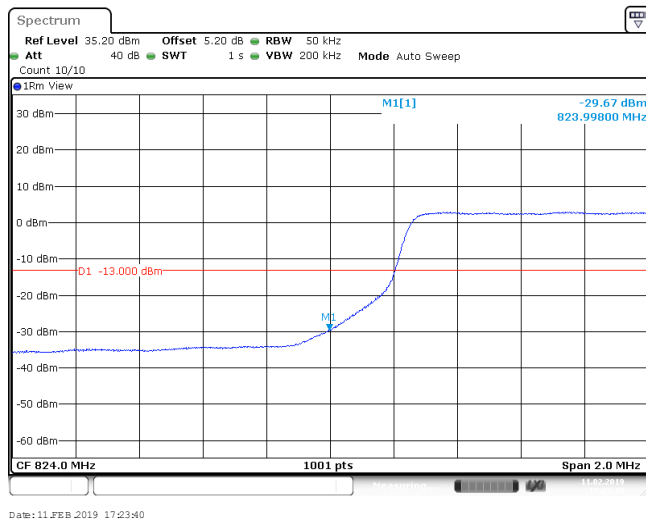


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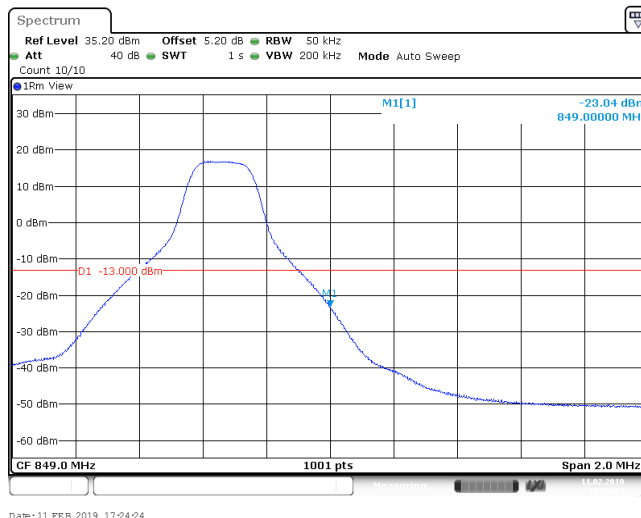


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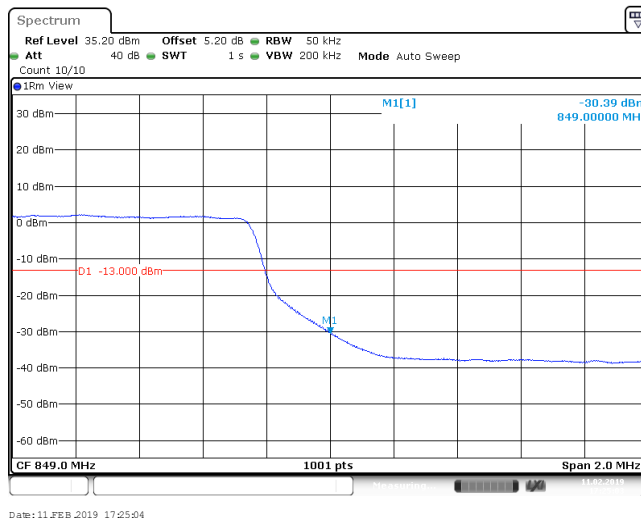


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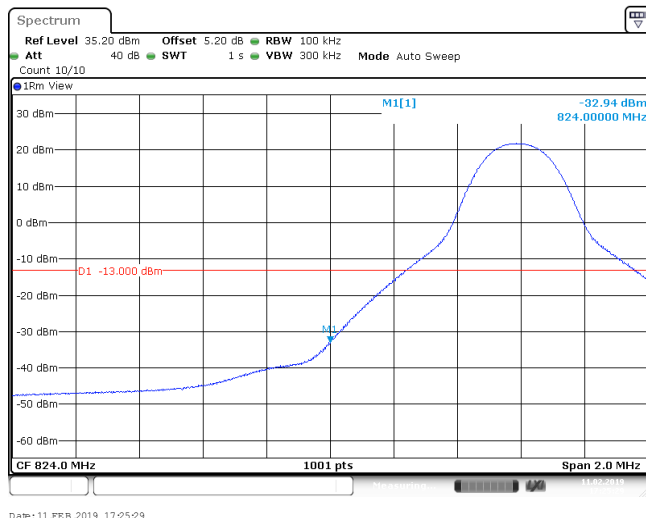


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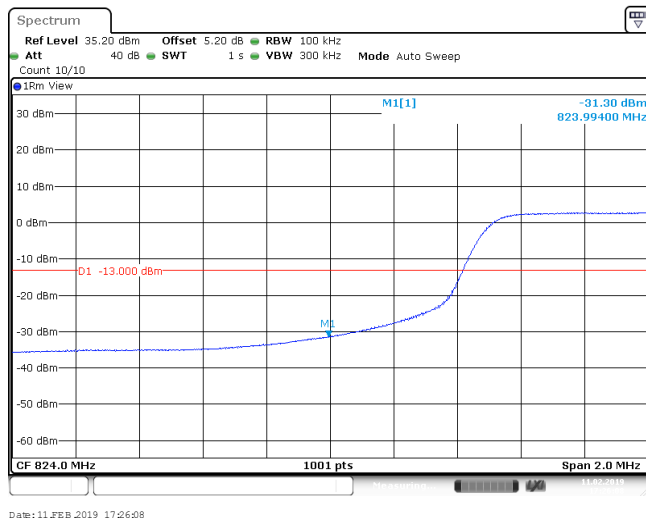


BAND 26_10MHz_QPSK_26840_1RB#0





BAND 26_10MHz_QPSK_26840_50RB#0



BAND 26_10MHz_QPSK_26990_1RB#49

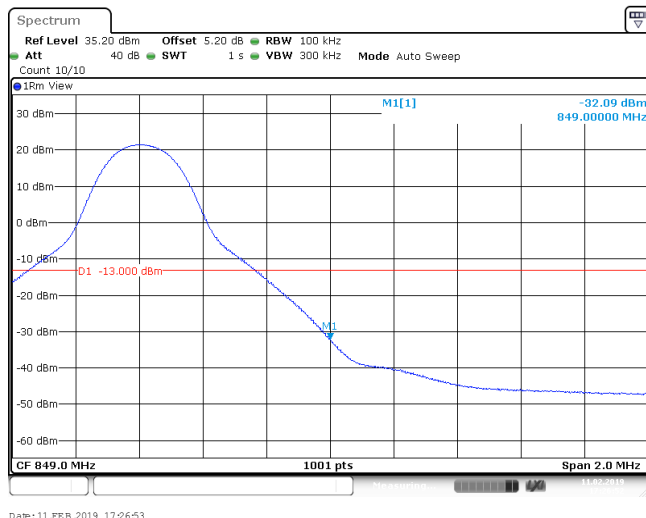


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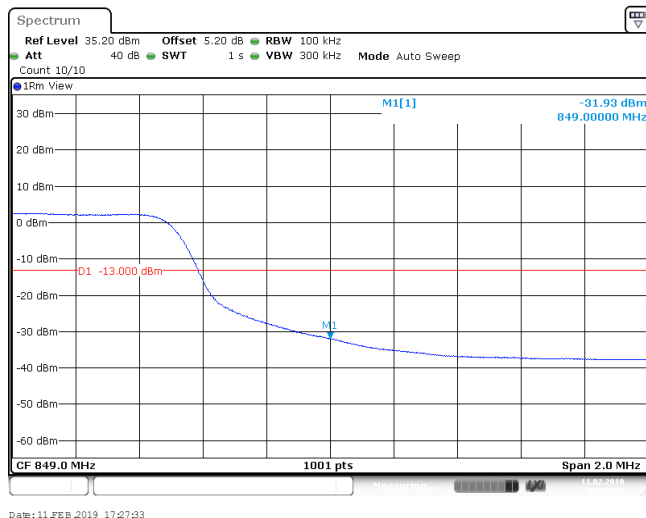
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Date: 11 FEB 2019 17:26:53

BAND 26_10MHz_QPSK_26990_50RB#0



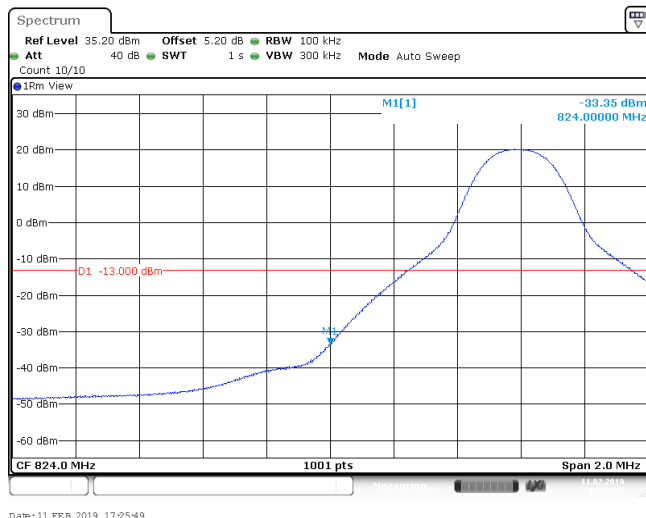
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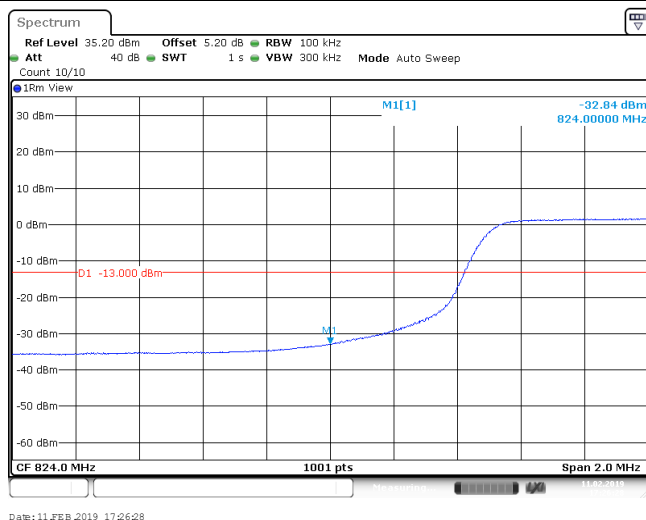


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BAND 26_10MHz_16QAM_26990_1RB#49

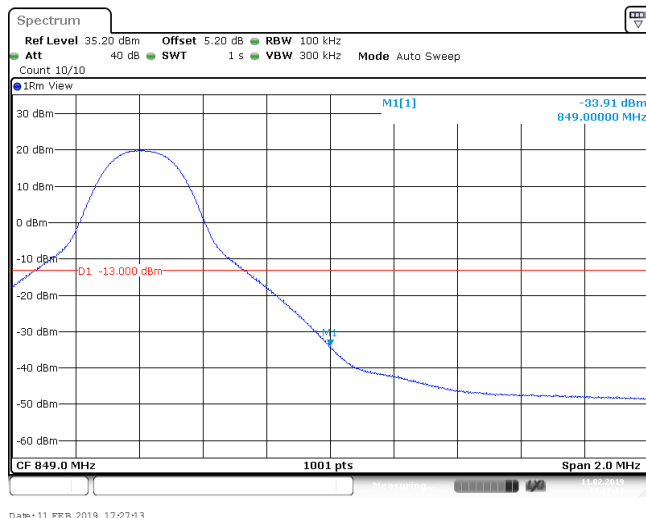


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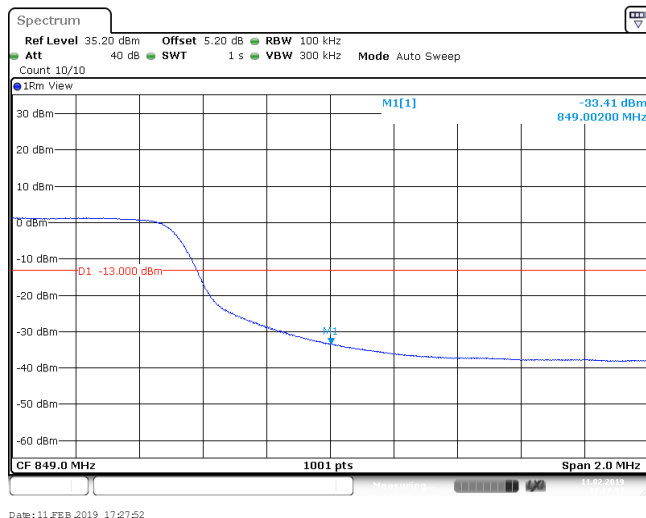
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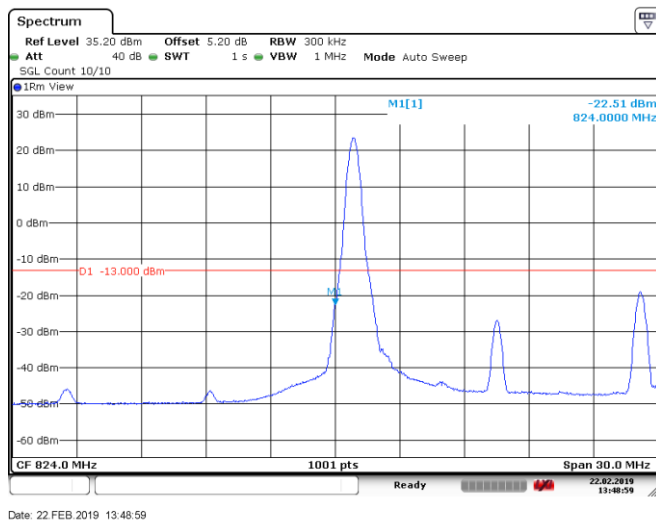


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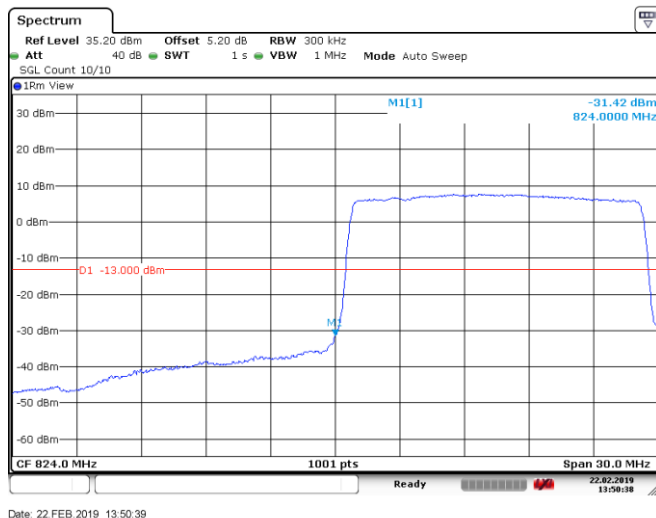


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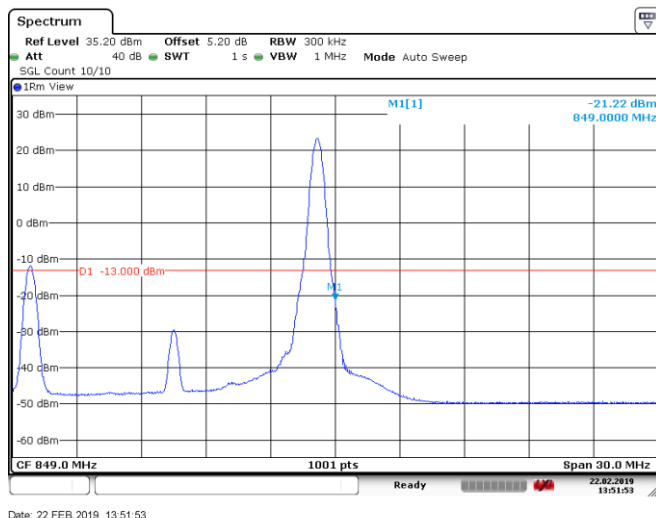
BAND 26_15MHz_QPSK_26865_75RB#0



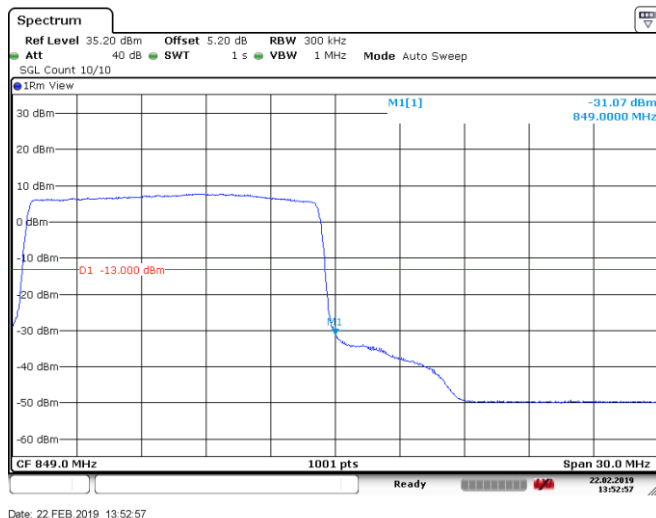
BAND 26_15MHz_QPSK_26965_1RB#74



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BAND 26_15MHz_16QAM_26865_1RB#0

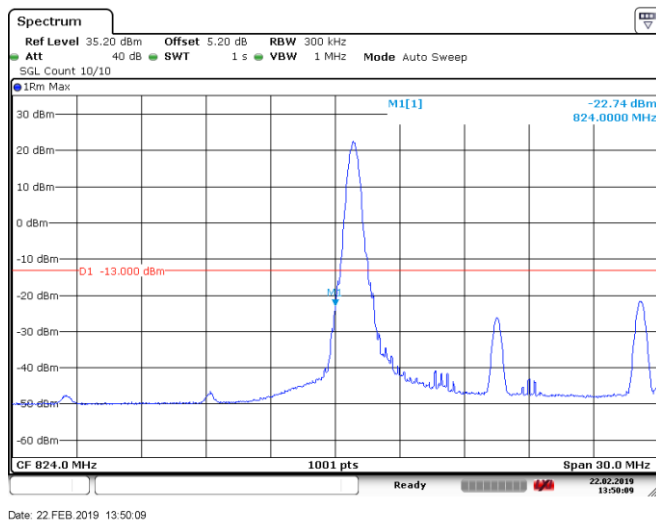


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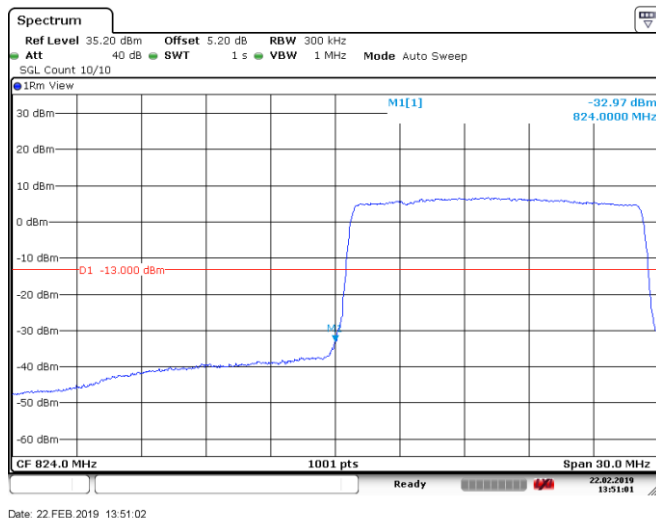
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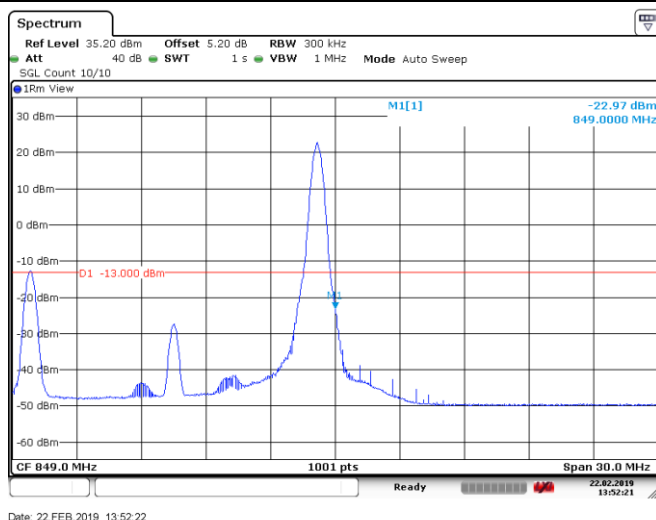
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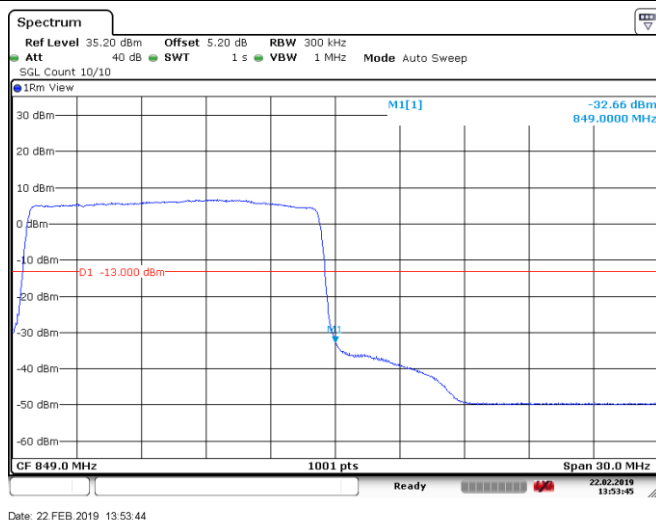
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BAND 26 15MHz 16QAM 26965 75RB#0



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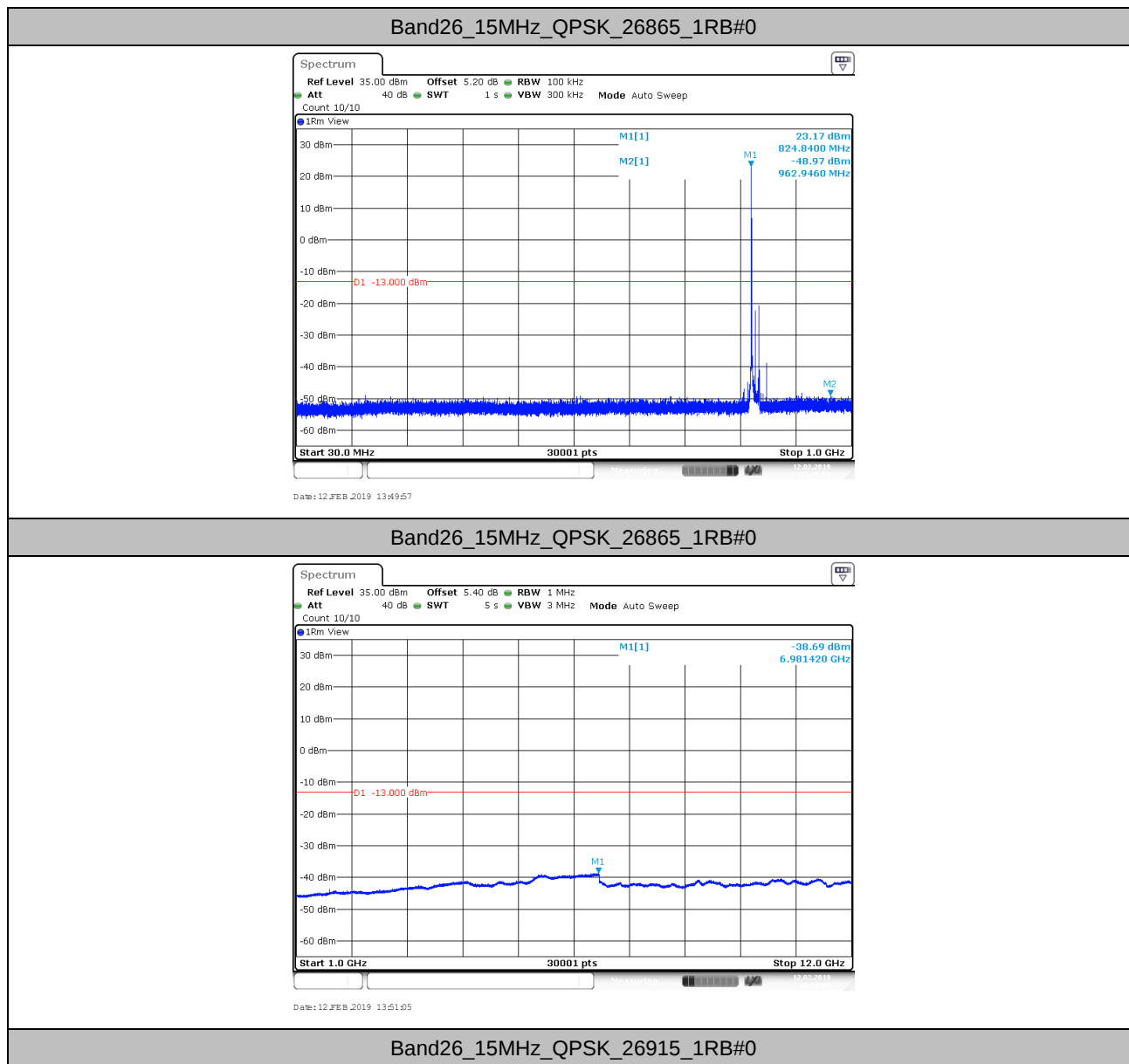


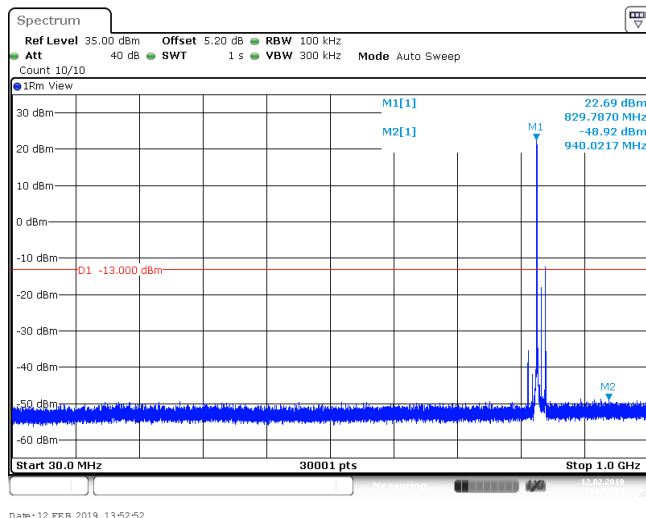
6. Spurious Emission at Antenna Terminal

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.

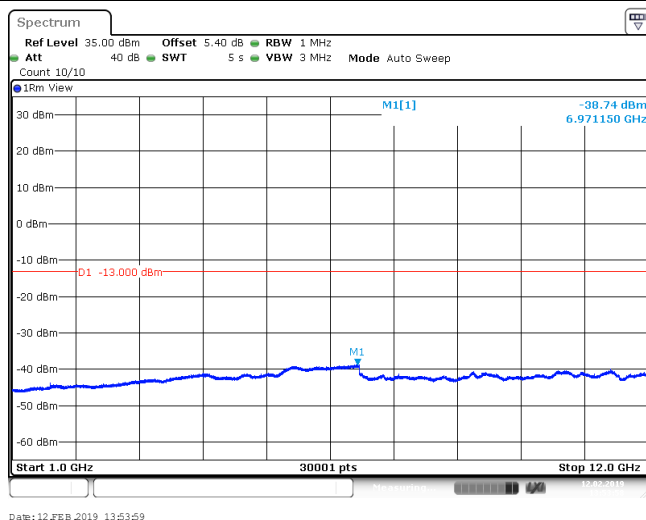
Remark2: only the worst case data displayed in this report.

6.1. Test Plots





Band26_15MHz_QPSK_26915_1RB#0

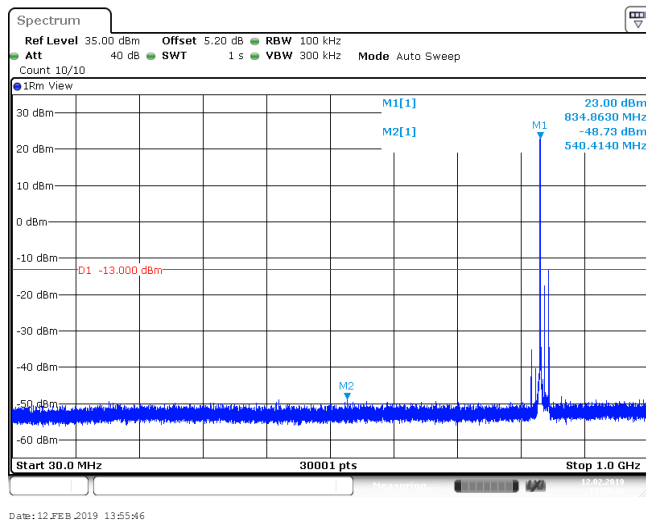


Band26_15MHz_QPSK_26965_1RB#0

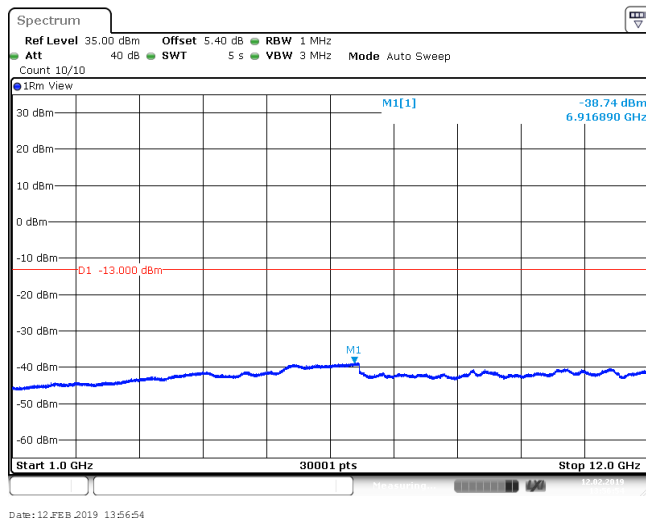


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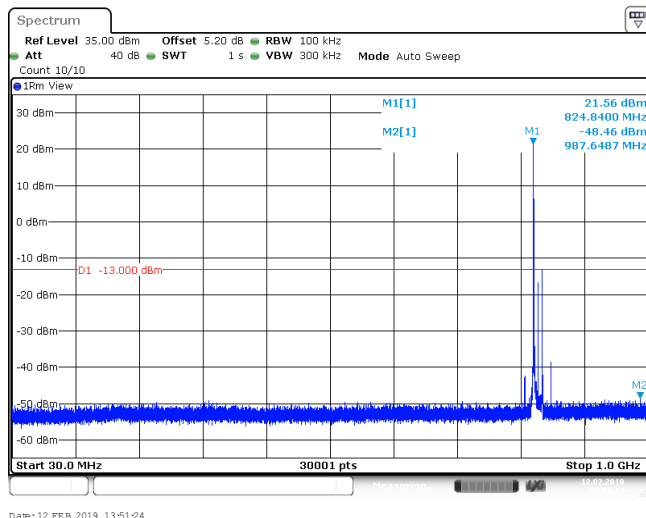
Band26_15MHz_QPSK_26965_1RB#0



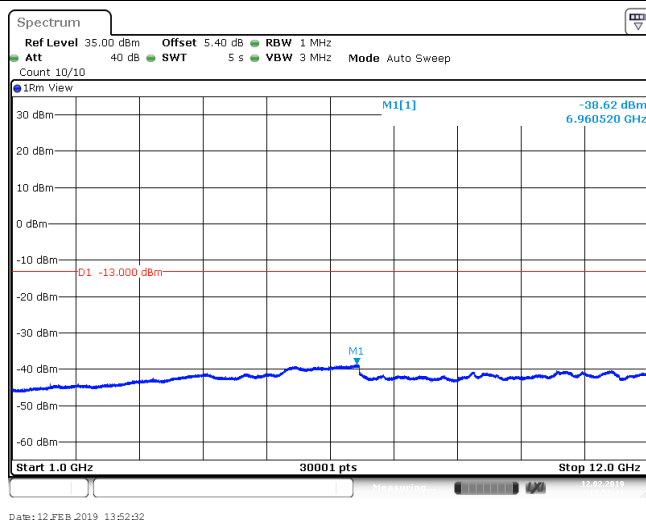
Band26_15MHz_16QAM_26865_1RB#0



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Band26	15MHz	16QAM	26865	1RB#0
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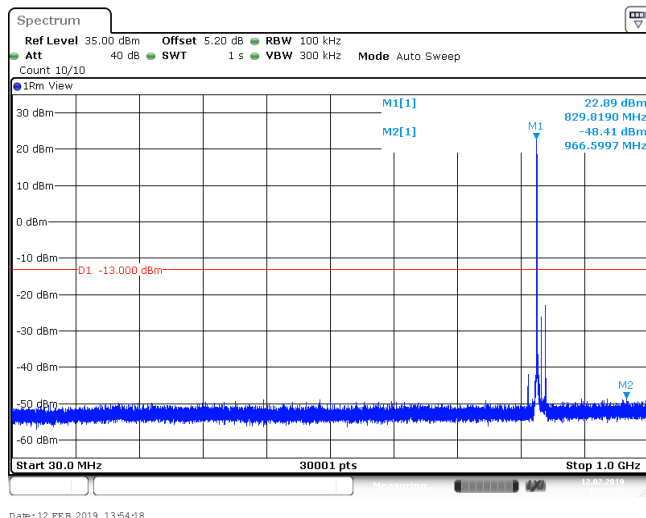
Band26 15MHz 16QAM 26915 1RB#0



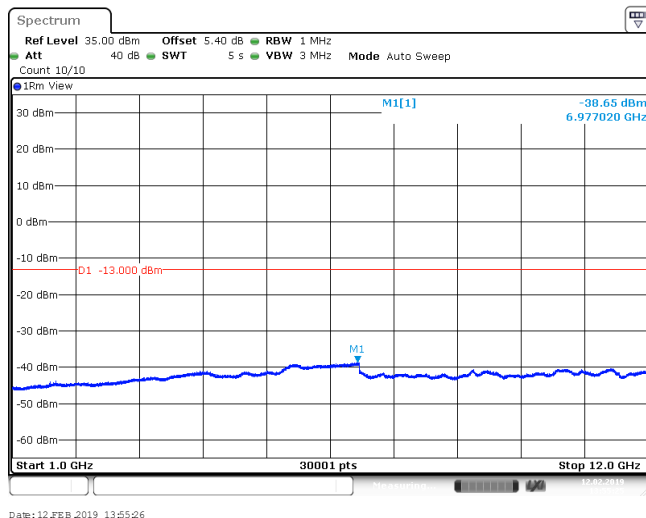
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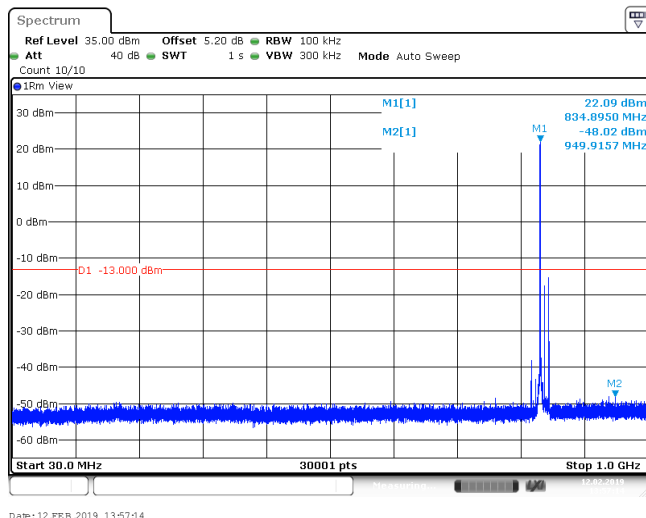


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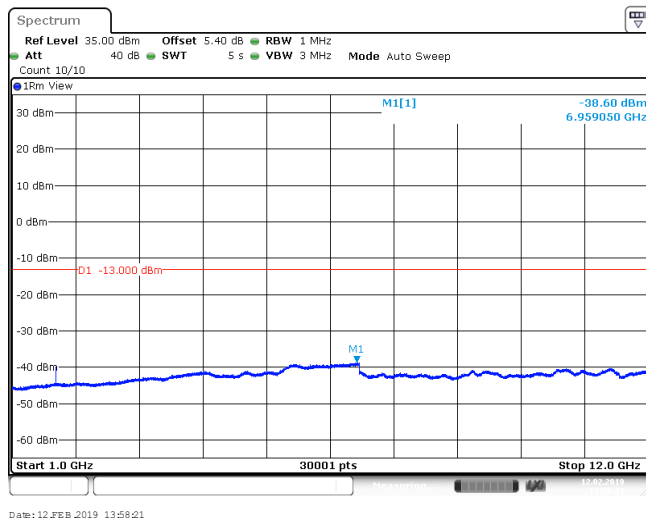


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7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE BAND 26

7.1.1. Test Mode = LTE/TM1 15MHz RB1#0

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.4680	-71.36	-13.00	58.36	Vertical
109.2530	-64.26	-13.00	51.26	Vertical
503.7232	-64.88	-13.00	51.88	Vertical
1629.7259	-52.90	-13.00	39.90	Vertical
3259.4086	-55.75	-13.00	42.75	Vertical
8947.1982	-51.16	-13.00	38.16	Vertical
43.9687	-63.73	-13.00	50.73	Horizontal
237.2024	-67.46	-13.00	54.46	Horizontal
587.9234	-62.99	-13.00	49.99	Horizontal
1629.7259	-58.05	-13.00	45.05	Horizontal
2444.6889	-56.26	-13.00	43.26	Horizontal
7941.1647	-53.01	-13.00	40.01	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
67.2499	-69.72	-13.00	56.72	Vertical
109.7380	-64.22	-13.00	51.22	Vertical
390.8580	-67.26	-13.00	54.26	Vertical
1649.7299	-55.34	-13.00	42.34	Vertical
3299.4100	-54.35	-13.00	41.35	Vertical
4949.2650	-52.69	-13.00	39.69	Vertical
44.4537	-63.93	-13.00	50.93	Horizontal
164.8367	-67.38	-13.00	54.38	Horizontal



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625.3673	-62.80	-13.00	49.80	Horizontal
1649.7299	-59.68	-13.00	46.68	Horizontal
3118.6040	-56.71	-13.00	43.71	Horizontal
8662.9888	-52.64	-13.00	39.64	Horizontal

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
60.8960	-71.41	-13.00	58.41	Vertical
114.2002	-64.26	-13.00	51.26	Vertical
642.3916	-62.43	-13.00	49.43	Vertical
1669.7339	-54.43	-13.00	41.43	Vertical
3339.2113	-53.51	-13.00	40.51	Vertical
8591.5864	-51.33	-13.00	38.33	Vertical
42.9987	-63.50	-13.00	50.50	Horizontal
150.8680	-67.36	-13.00	54.36	Horizontal
508.1854	-65.28	-13.00	52.28	Horizontal
1669.7339	-59.01	-13.00	46.01	Horizontal
2504.3009	-55.76	-13.00	42.76	Horizontal
7985.3662	-52.60	-13.00	39.60	Horizontal

7.1.1.4. Spot check worse mode

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
69.8205	-66.88	-13.00	53.88	Vertical
105.3728	-63.64	-13.00	50.64	Vertical
248.9884	-67.18	-13.00	54.18	Vertical
1649.7299	-51.36	-13.00	38.36	Vertical
2474.6949	-52.03	-13.00	39.03	Vertical
3299.2100	-51.74	-13.00	38.74	Vertical
41.6406	-61.23	-13.00	48.23	Horizontal
151.3046	-67.97	-13.00	54.97	Horizontal



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237.2994	-66.42	-13.00	53.42	Horizontal
1649.7299	-56.57	-13.00	43.57	Horizontal
2462.2925	-43.03	-13.00	30.03	Horizontal
3299.2100	-54.27	-13.00	41.27	Horizontal

Remark:

- 1) The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.
- 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
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	-1.40	-0.001684	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	-0.80	-0.000962	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	0.30	0.000361	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	-1.30	-0.001554	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	0.20	0.000239	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	-0.90	-0.001076	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VL	NT	-1.70	-0.002020	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	-1.20	-0.001426	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	-1.50	-0.001783	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VL	NT	0.70	0.000842	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VN	NT	-0.50	-0.000601	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VH	NT	0.70	0.000842	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VL	NT	0.60	0.000717	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VN	NT	-0.70	-0.000837	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VH	NT	-0.60	-0.000717	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VL	NT	-0.50	-0.000594	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VN	NT	-0.60	-0.000713	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VH	NT	-1.50	-0.001783	±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
Band26	15MHz	QPSK	26865	75RB#0	NV	-30	-0.30	-0.000361	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	-20	-0.40	-0.000481	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	0	-0.50	-0.000601	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	10	0.20	0.000241	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	20	0.30	0.000361	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	0.50	0.000601	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	-1.30	-0.001563	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	50	0.60	0.000722	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	-0.90	-0.001076	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	-0.70	-0.000837	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	0.20	0.000239	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	-1.30	-0.001554	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	-1.80	-0.002152	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	30	0.10	0.000120	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	40	-1.30	-0.001554	±2.5	PASS



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Band26	15MHz	QPSK	26915	75RB#0	NV	50	-2.10	-0.002510	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	-1.40	-0.001664	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	-1.50	-0.001783	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	10	-0.50	-0.000594	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	-3.00	-0.003565	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	-2.30	-0.002733	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	40	-1.80	-0.002139	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	50	-2.00	-0.002377	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-30	-0.10	-0.000120	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-20	0.80	0.000962	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	0	1.10	0.001323	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	10	0.50	0.000601	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	20	0.40	0.000481	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	30	1.40	0.001684	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	40	-0.90	-0.001082	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	50	0.80	0.000962	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-30	0.10	0.000120	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-20	0.10	0.000120	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	0	0.80	0.000956	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	10	1.10	0.001315	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	20	0.30	0.000359	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	30	0.20	0.000239	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	40	-0.60	-0.000717	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	50	-0.70	-0.000837	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-30	-0.50	-0.000594	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-20	-1.80	-0.002139	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	0	-1.40	-0.001664	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	10	-0.40	-0.000475	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	20	-2.10	-0.002496	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	30	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	40	-1.10	-0.001307	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	50	-0.20	-0.000238	±2.5	PASS

The End



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