



Appendix B

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



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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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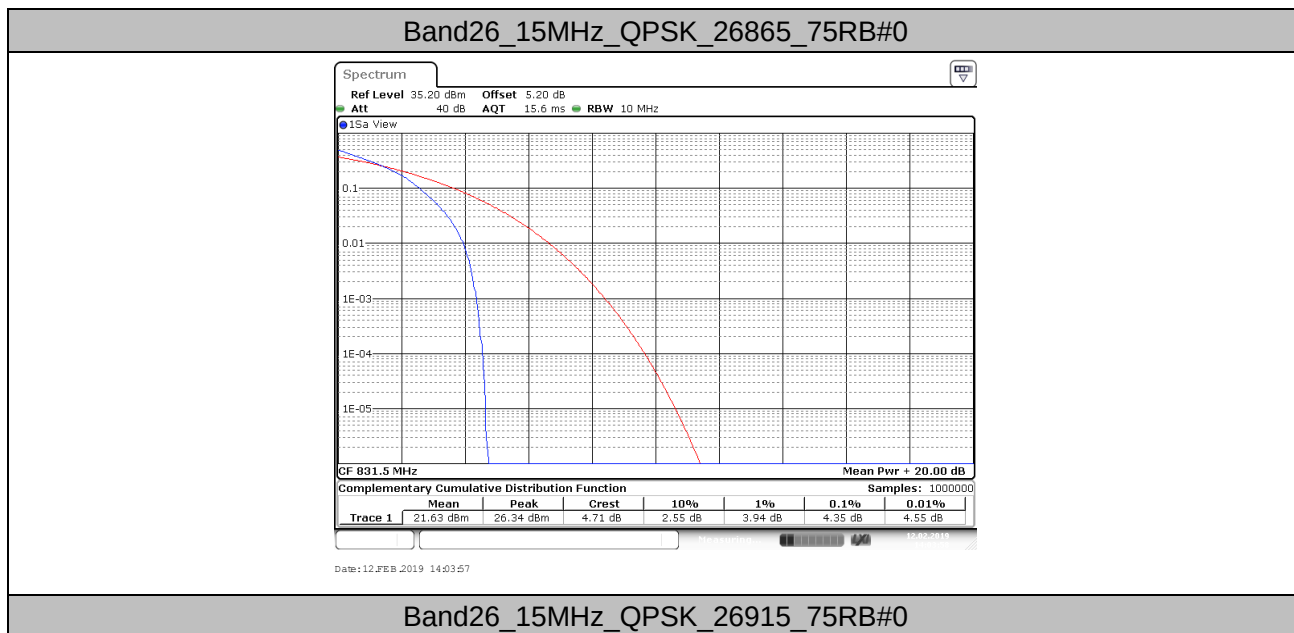
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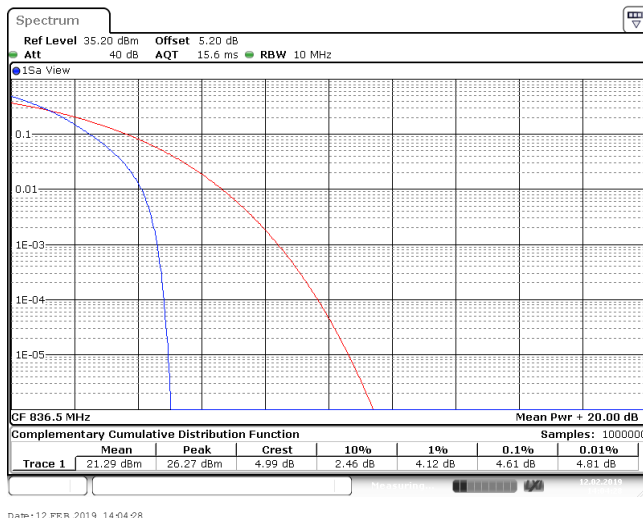
2. Peak-to-Average Ratio(CCDF)

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

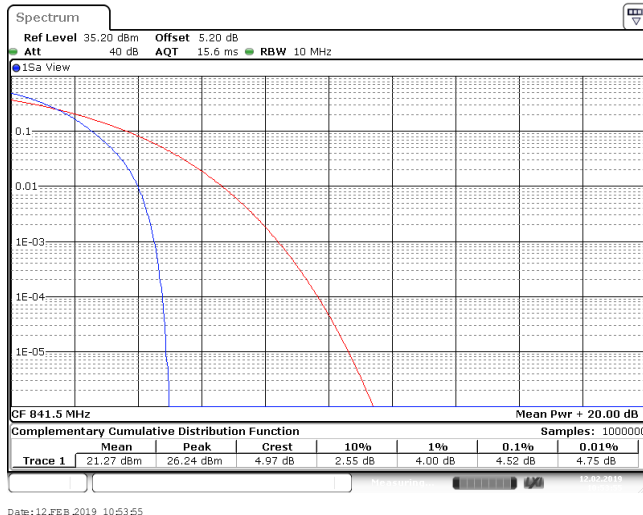
2.2.Test Plots





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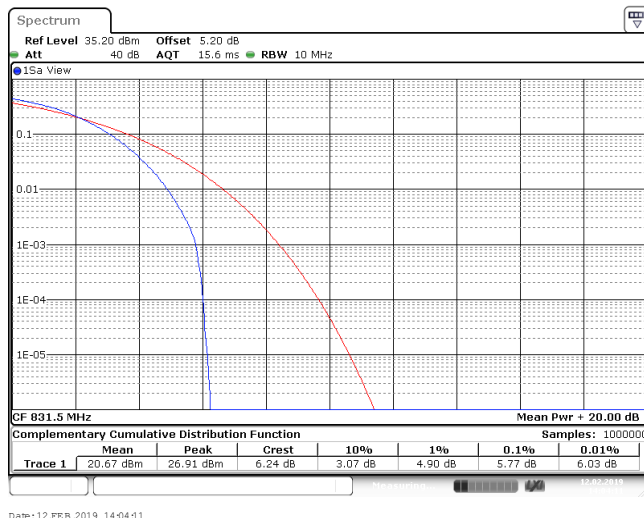
Band26_15MHz_QPSK_26965_75RB#0



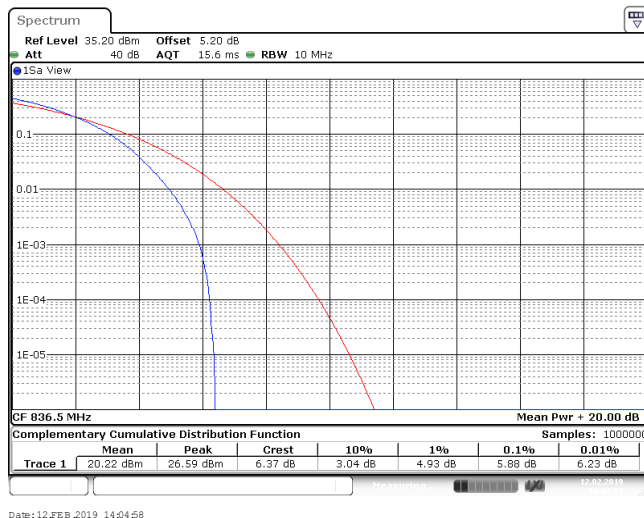
Date: 12.FEB.2019 10:53:55

Band26_15MHz_16QAM_26865_75RB#0



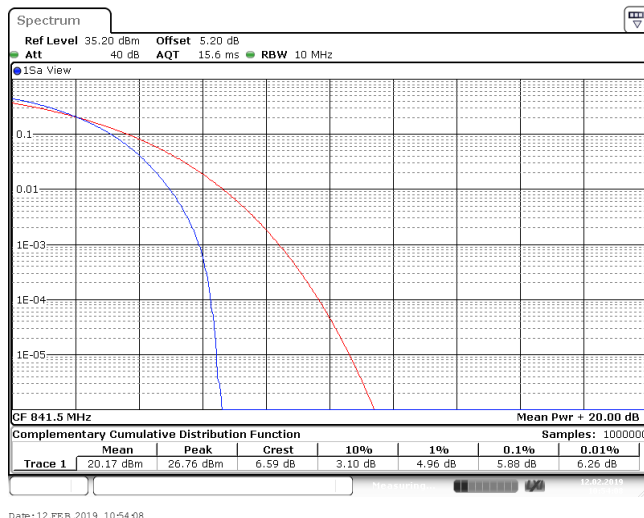


Band26_15MHz_16QAM_26915_75RB#0



Band26_15MHz_16QAM_26965_75RB#0





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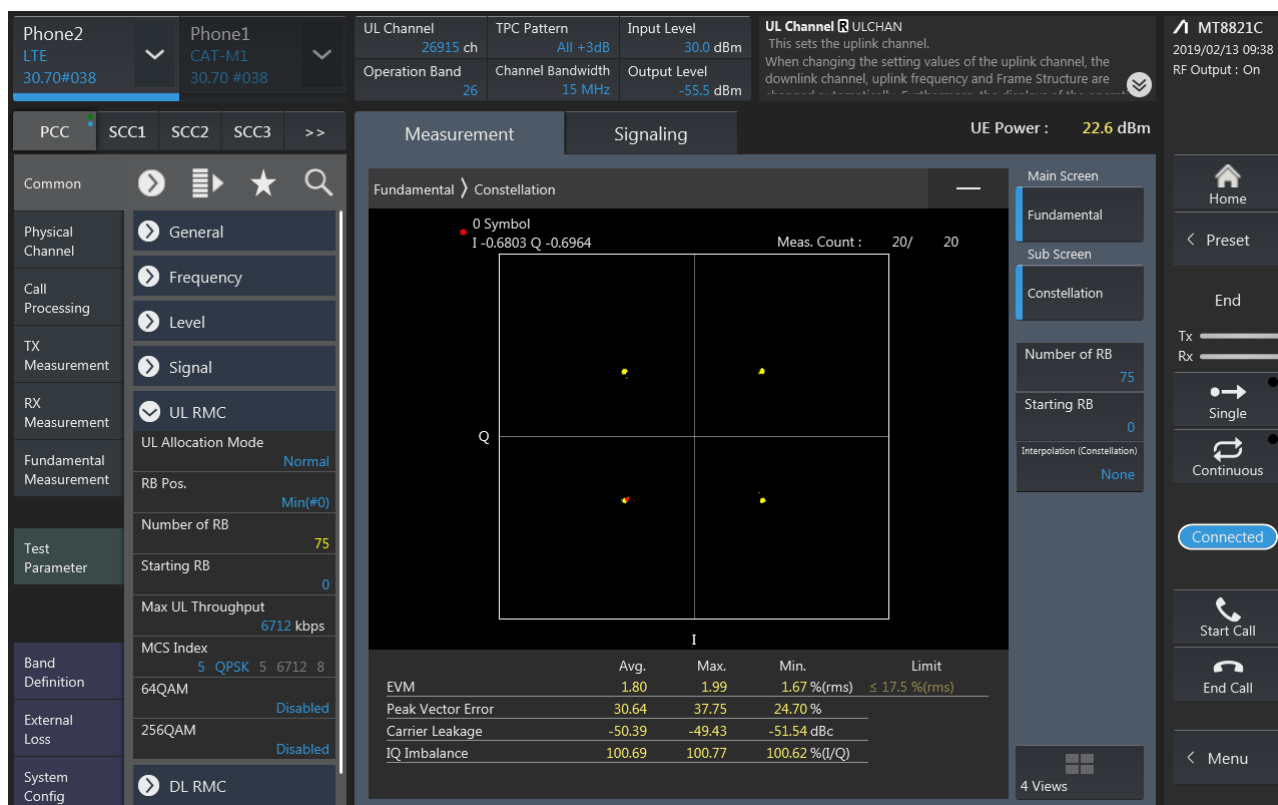
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3. Modulation Characteristics

3.1. Test BAND = LTE BAND 26

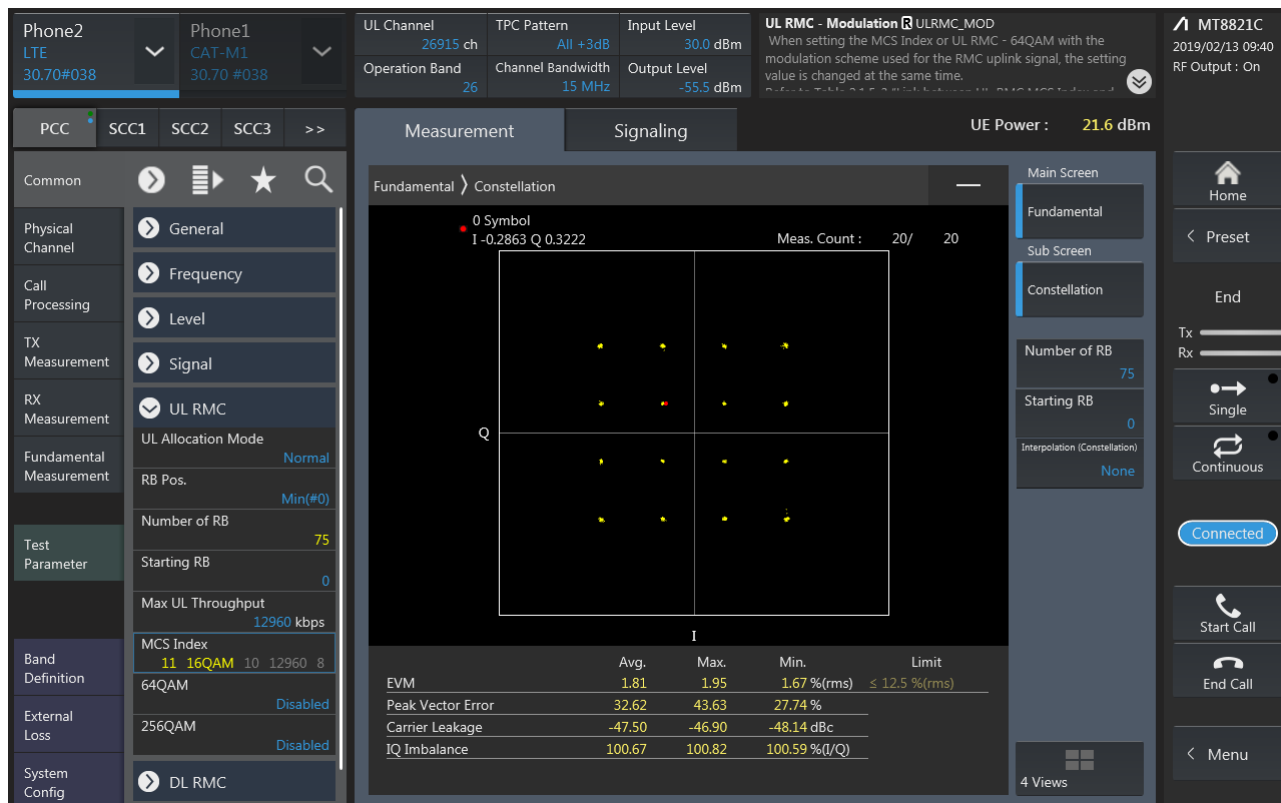
3.1.1. Test Mode = LTE /TM1 15MHz

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

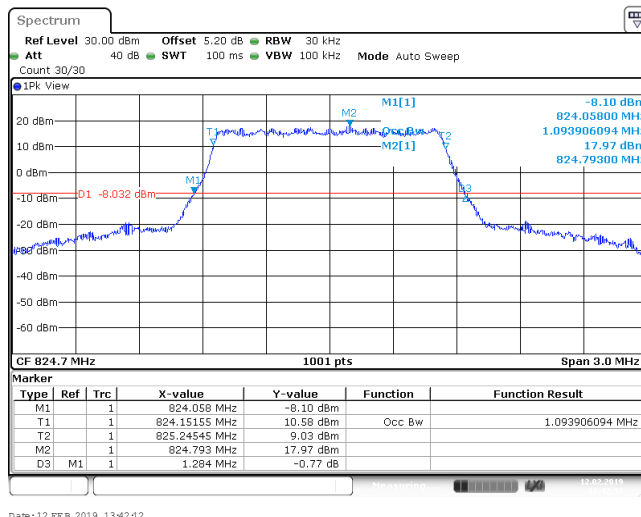


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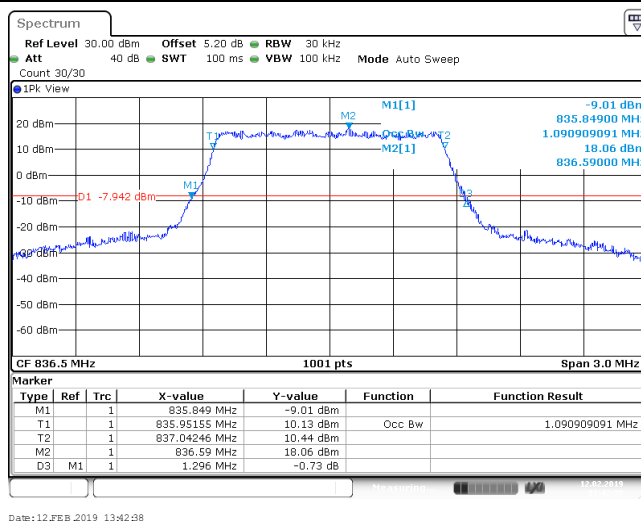
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4.2. Test Plots

Band26_1.4MHz_QPSK_26797_6RB#0



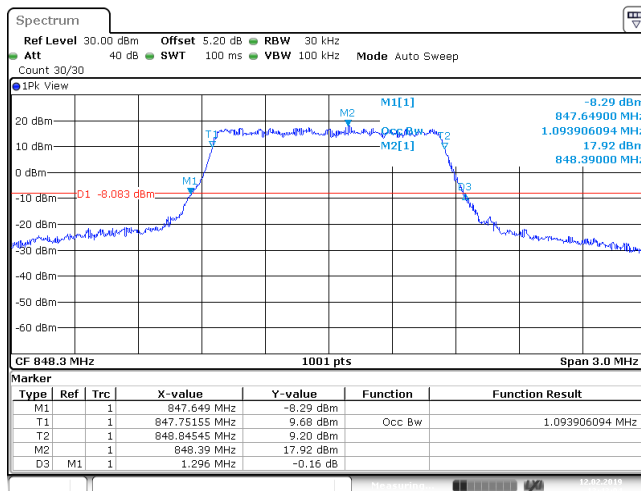
Band26_1.4MHz_QPSK_26915_6RB#0



Band26_1.4MHz_QPSK_27033_6RB#0

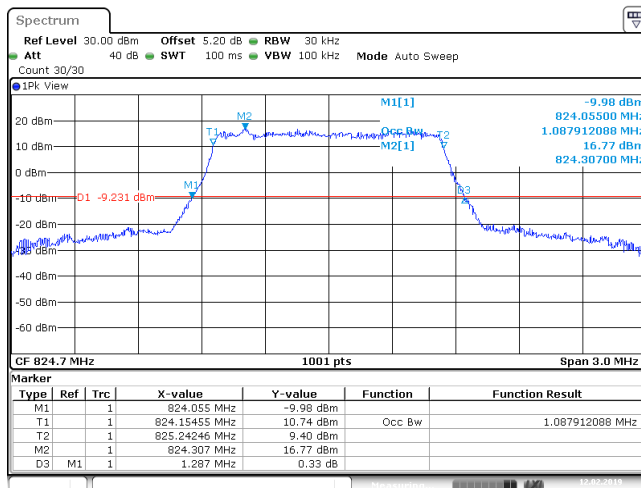


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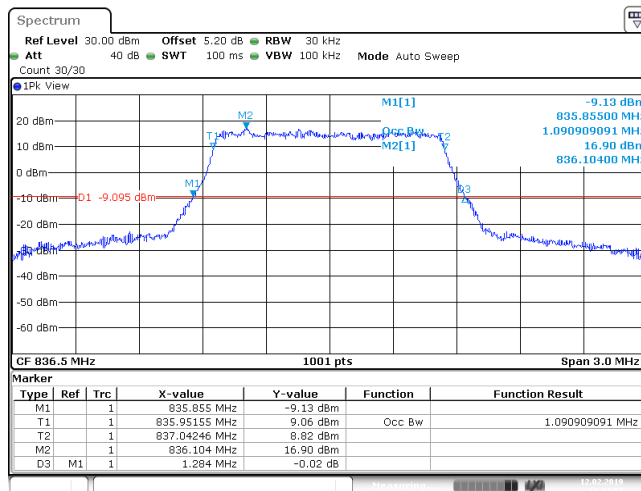
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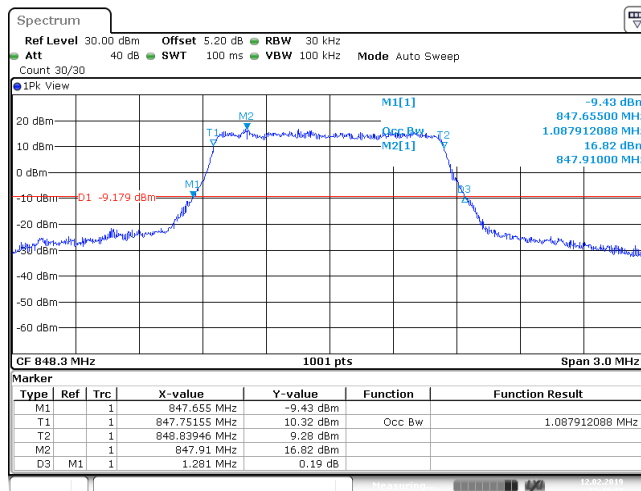
Band26_1.4MHz_16QAM_26915_6RB#0





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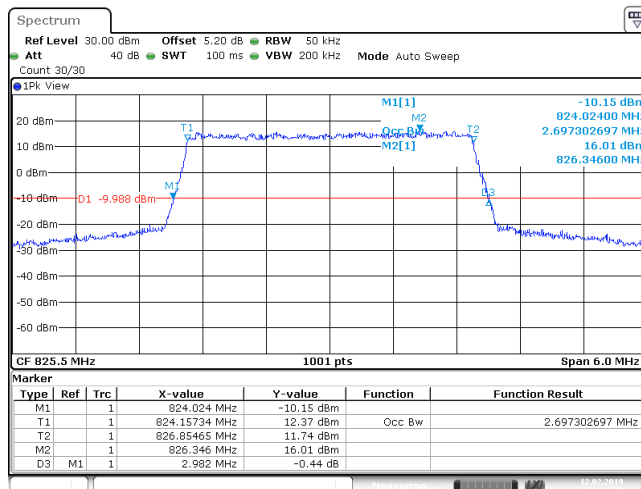
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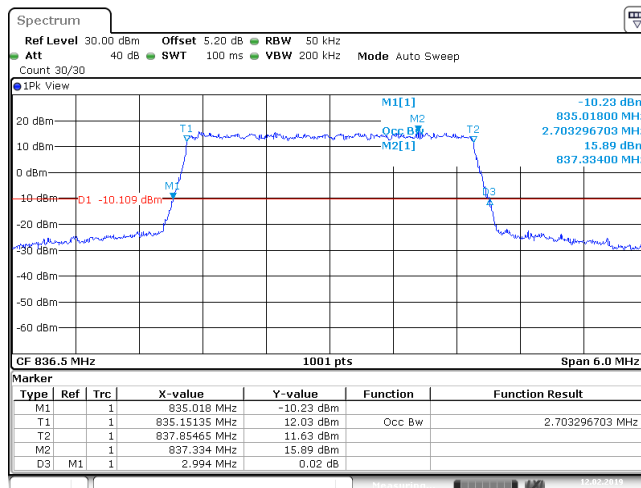
Band26_3MHz_QPSK_26805_15RB#0





Date: 12.FEB.2019 13:43:35

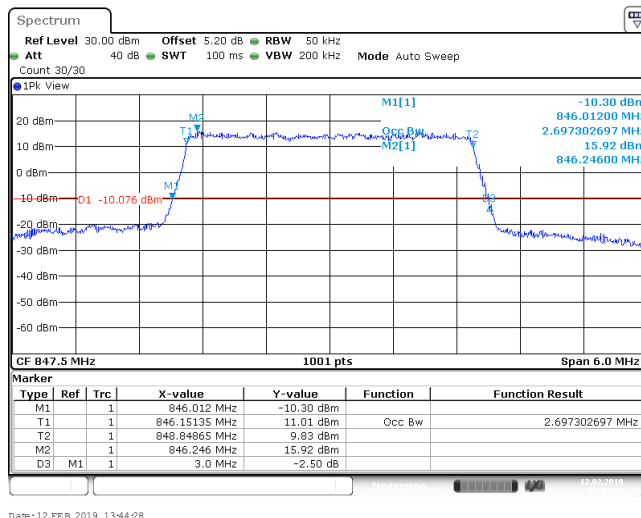
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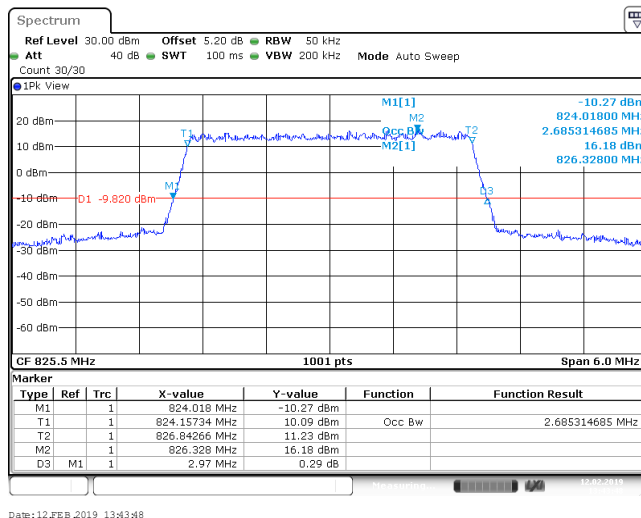
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Band26_3MHz_QPSK_27025_15RB#0



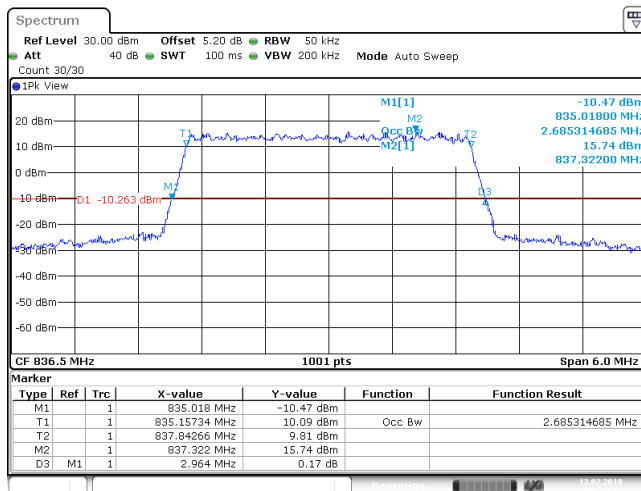


Band26_3MHz_16QAM_26805_15RB#0



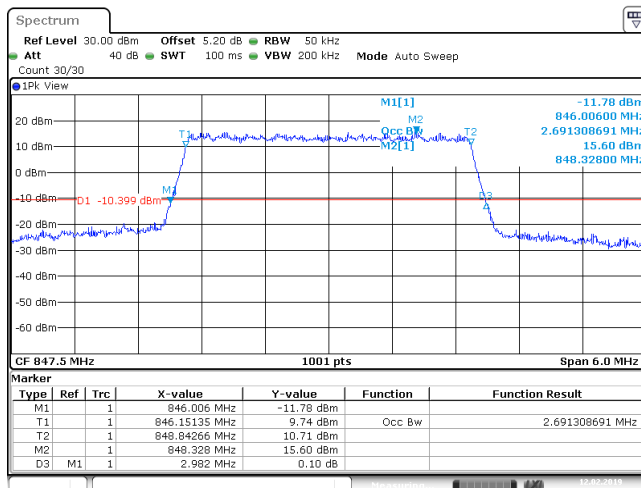
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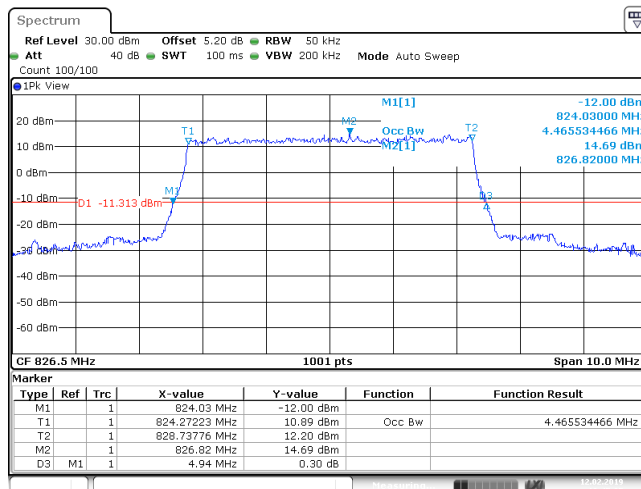
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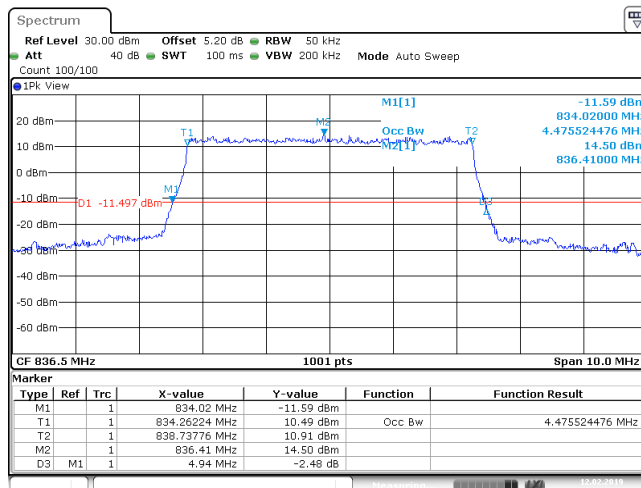
Band26_5MHz_QPSK_26815_25RB#0





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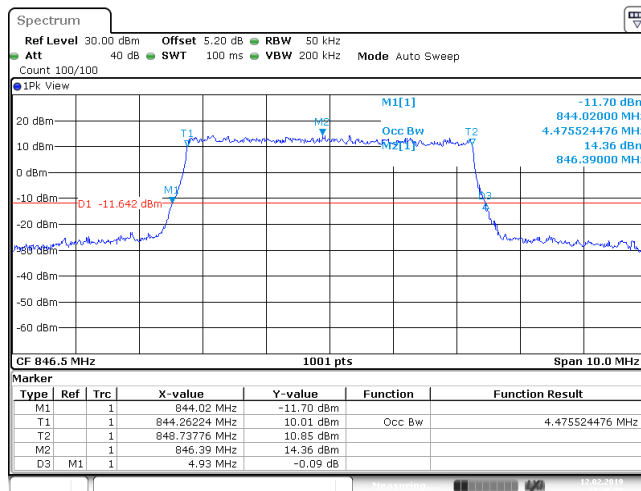
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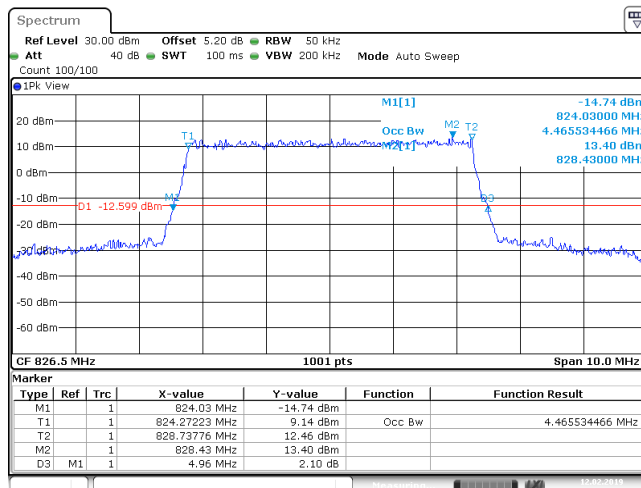
Band26_5MHz_QPSK_27015_25RB#0





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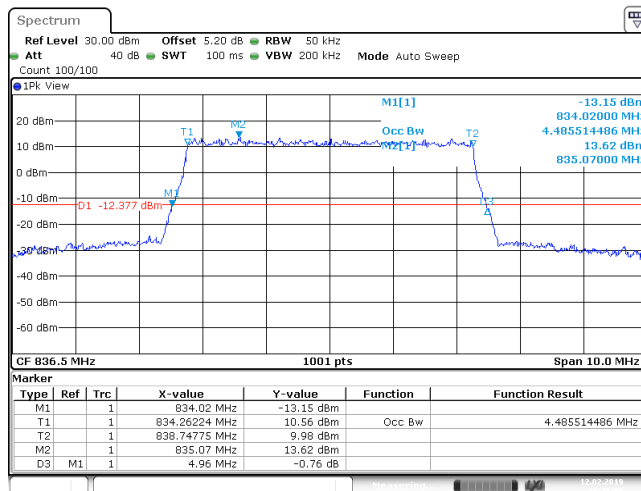
Band26_5MHz_16QAM_26815_25RB#0



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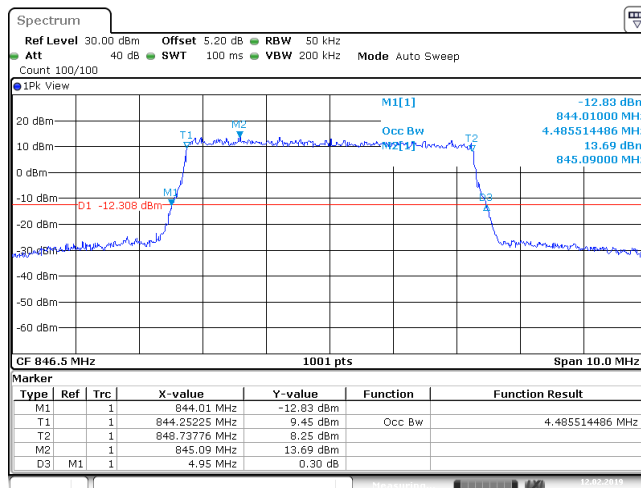
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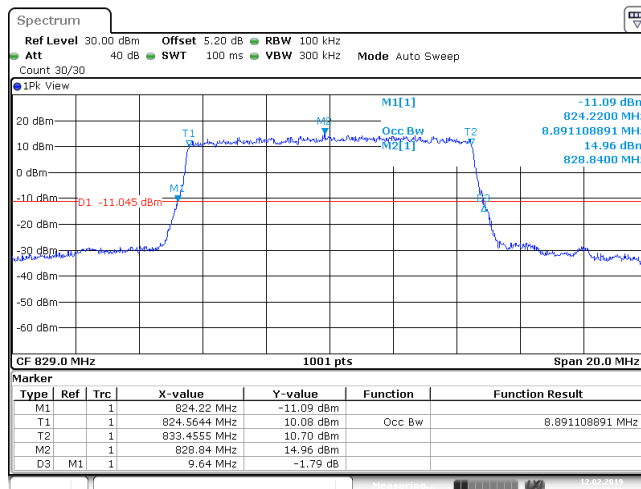
Band26_5MHz_16QAM_27015_25RB#0



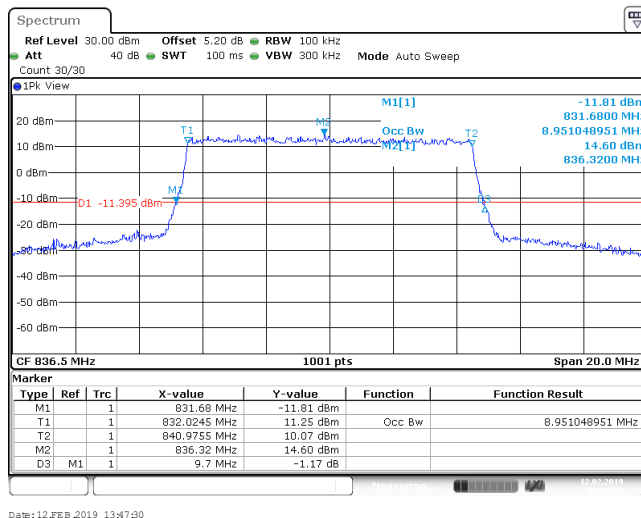
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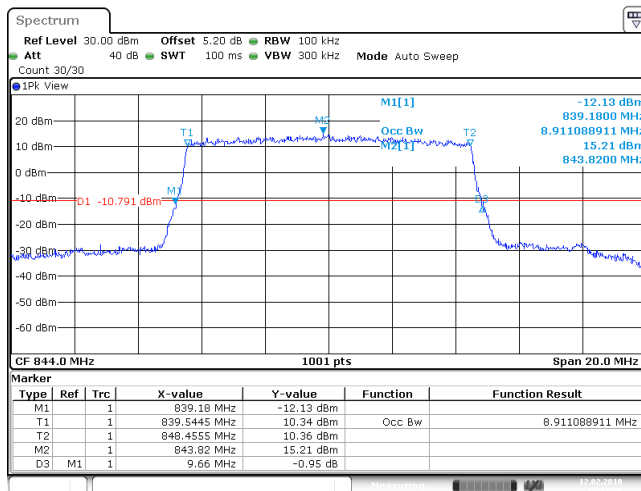


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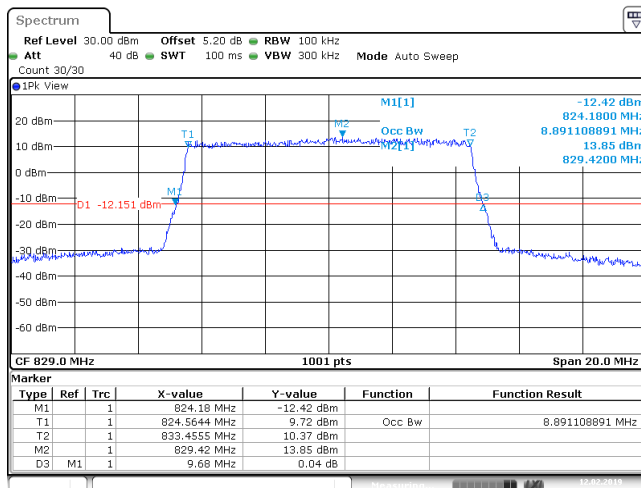
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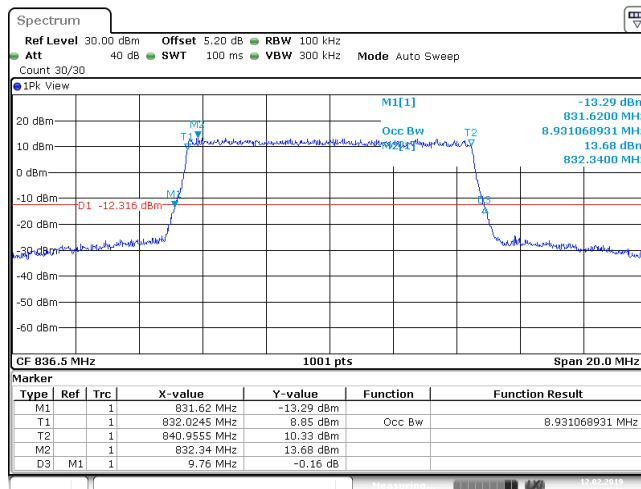
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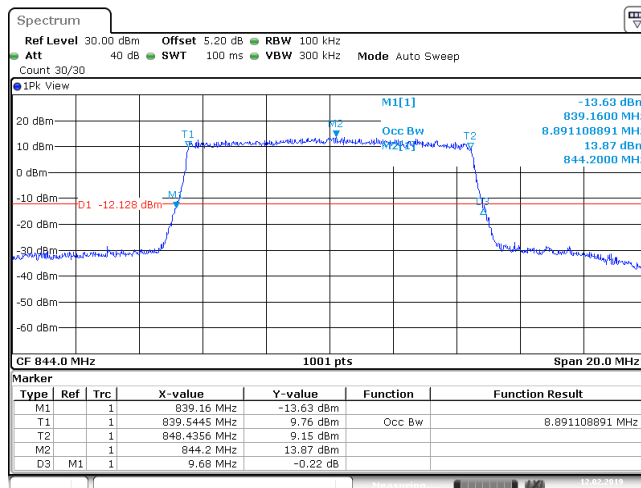
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Date: 12 FEB 2019 13:47:43

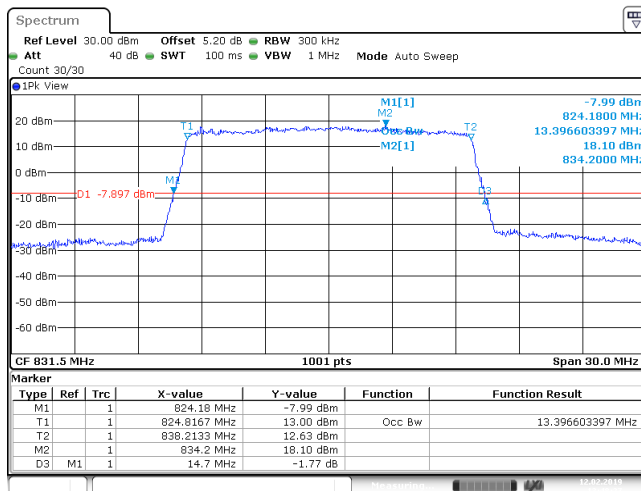
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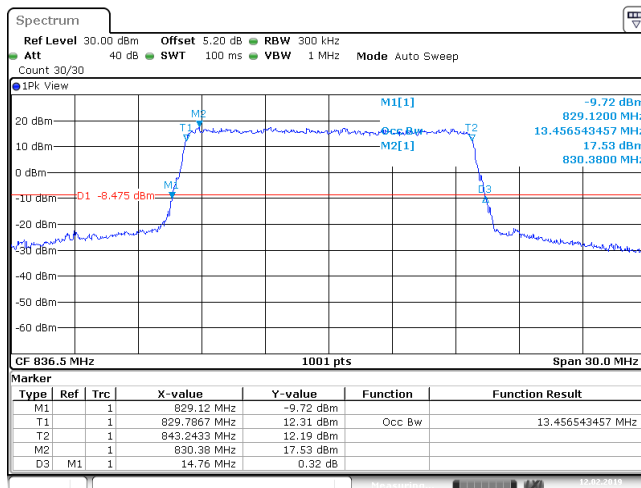
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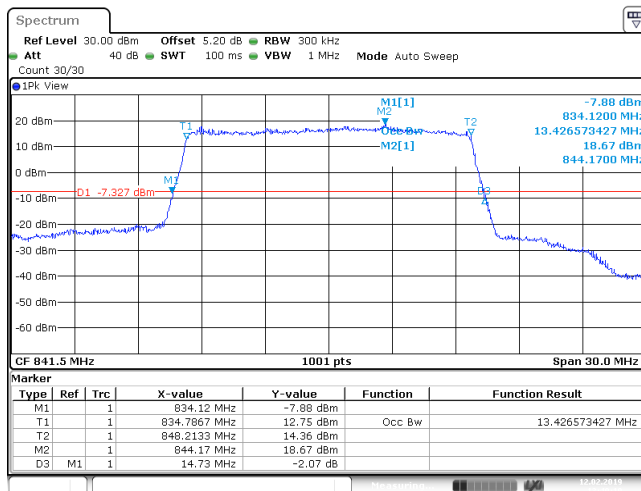
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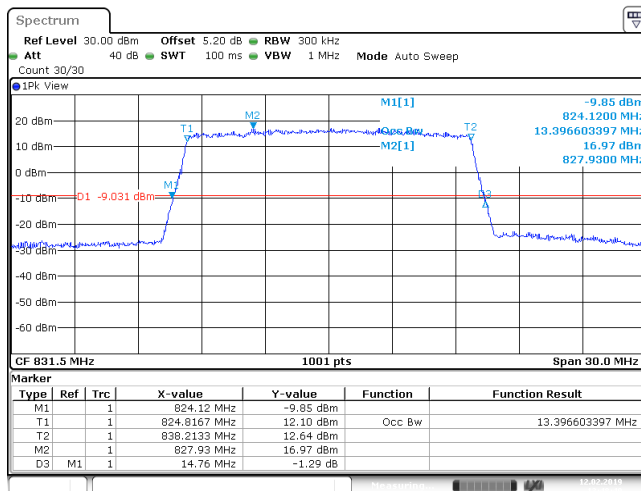
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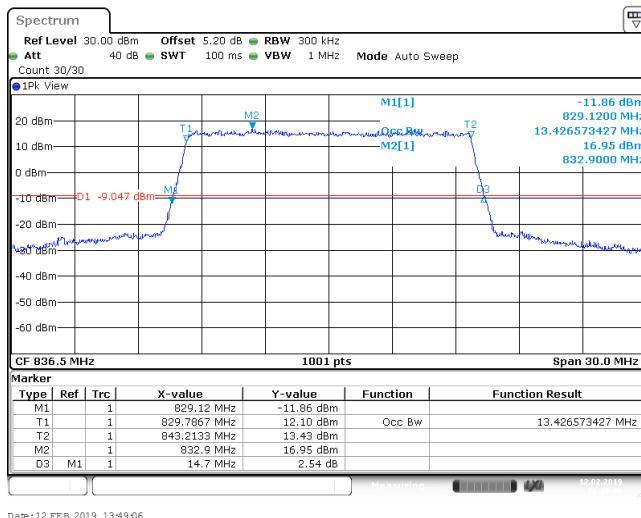
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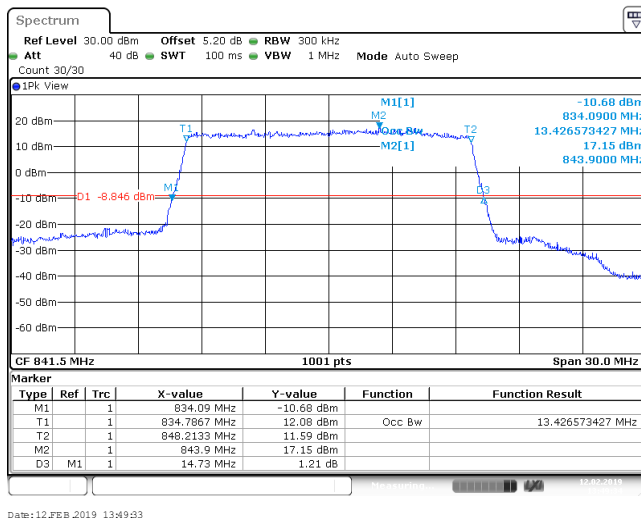
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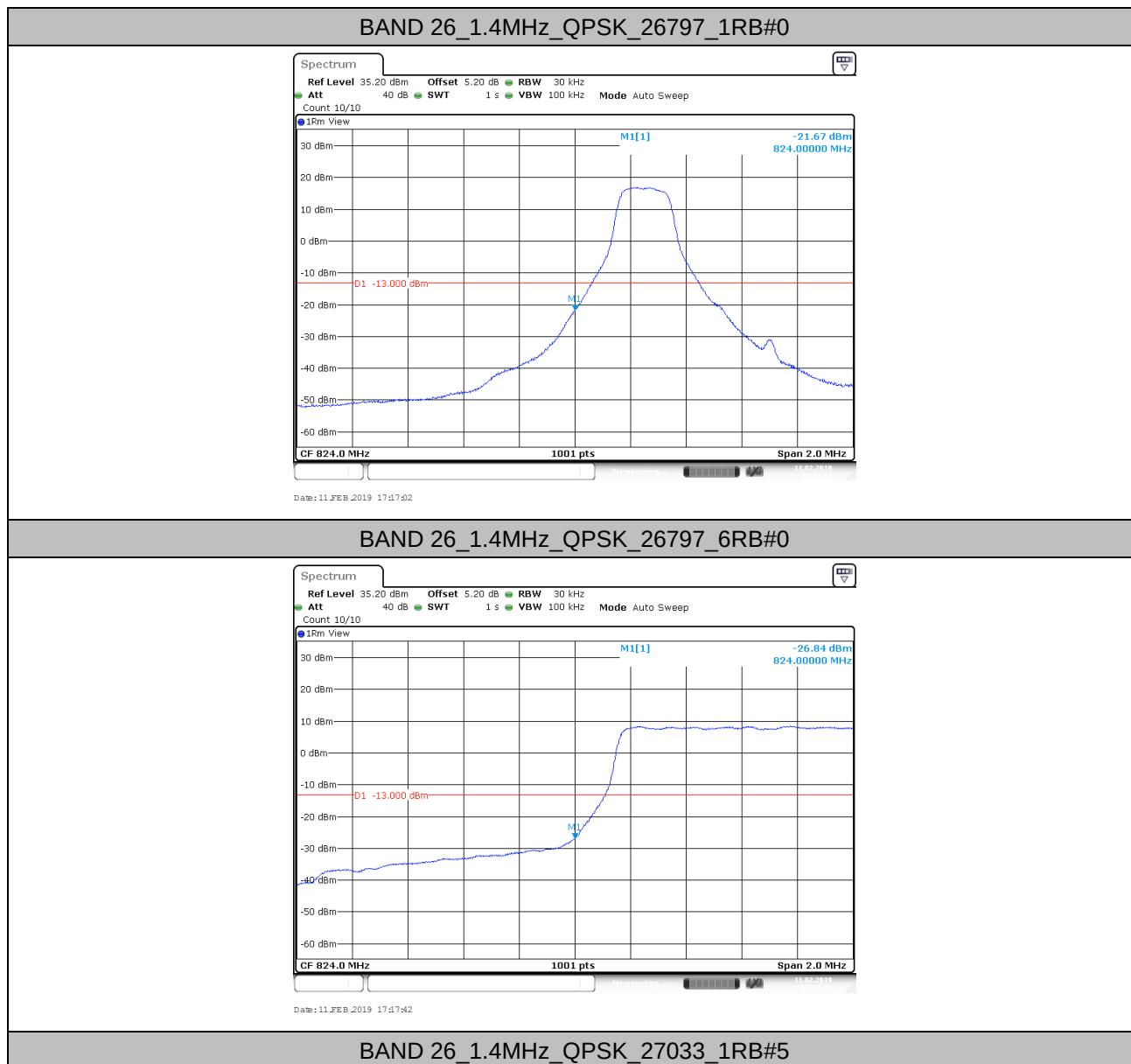
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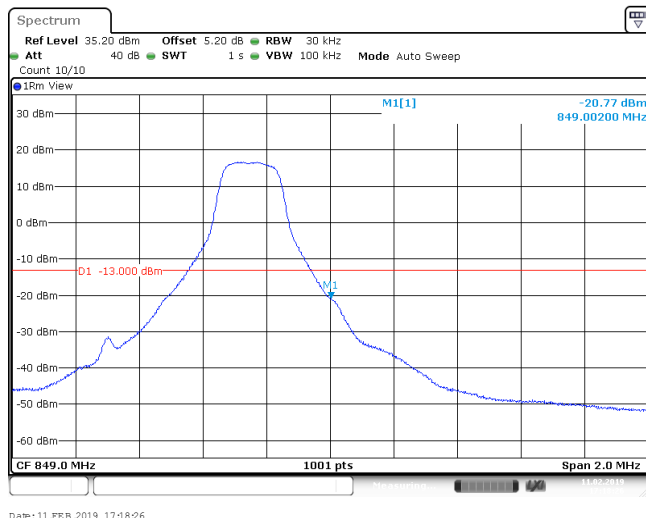




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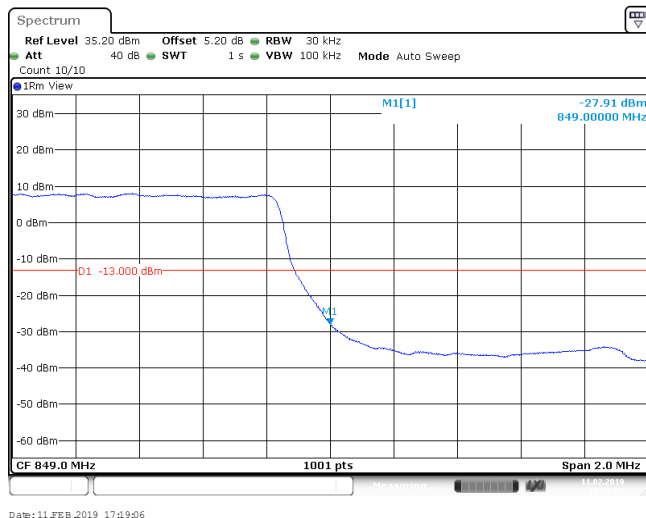
5.1. Test Plots





Date: 11 FEB 2019 17:18:26

BAND 26_1.4MHz_QPSK_27033_6RB#0



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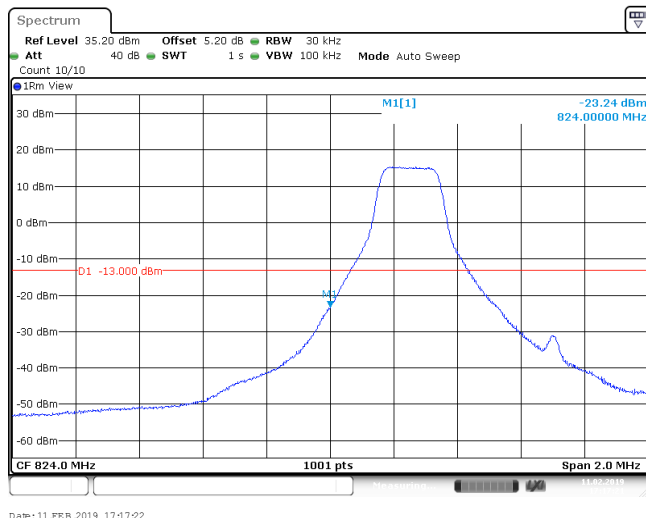
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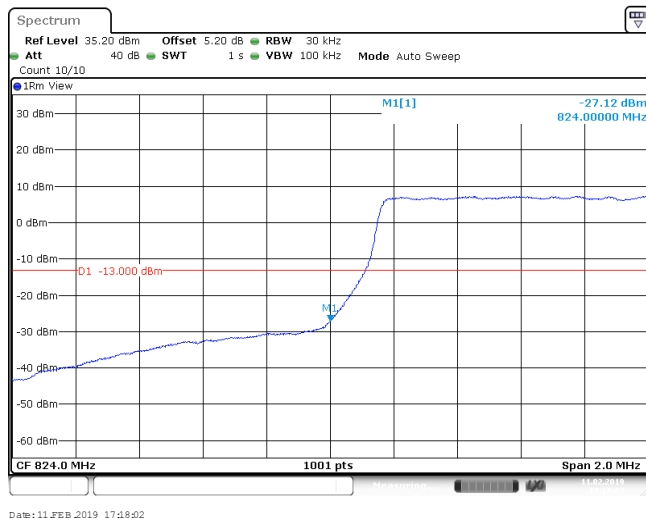
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BAND 26_1.4MHz_16QAM_26797_6RB#0



BAND 26_1.4MHz_16QAM_27033_1RB#5

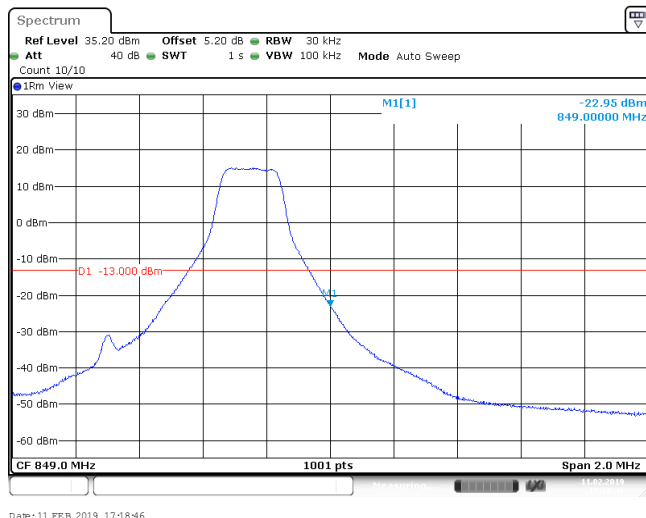


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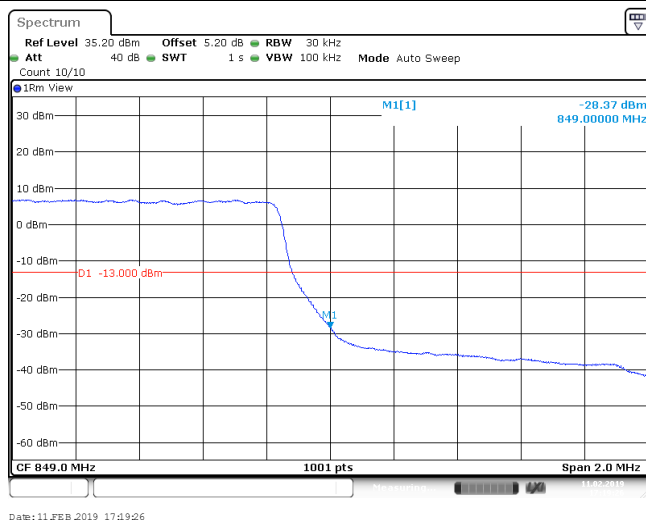
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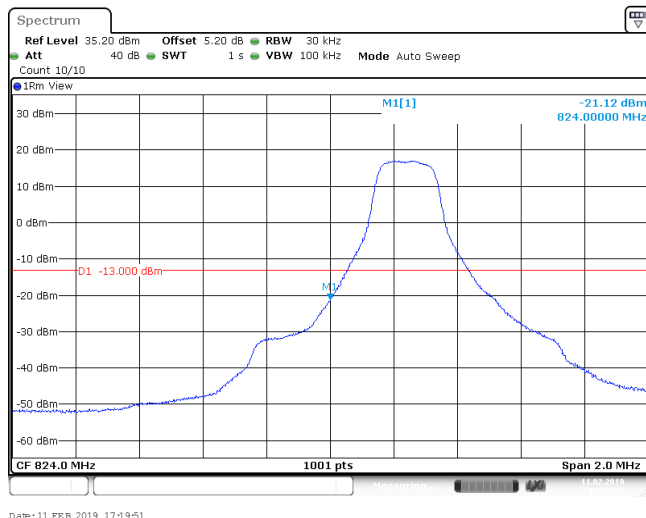


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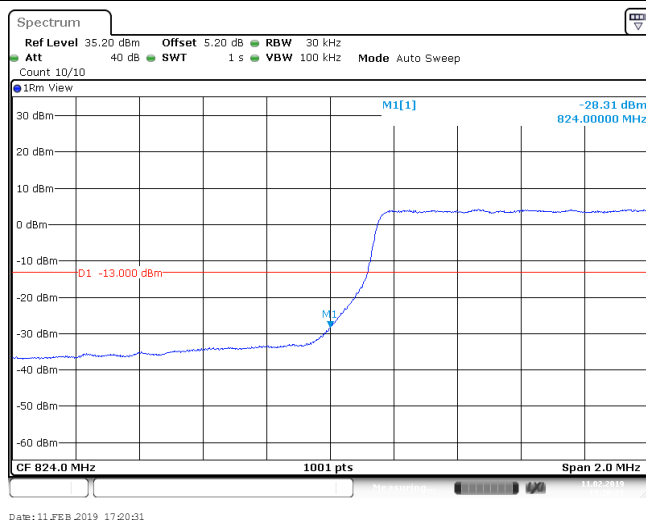


BAND 26_3MHz_QPSK_26805_1RB#0





BAND 26_3MHz_QPSK_26805_15RB#0



BAND 26_3MHz_QPSK_27025_1RB#14

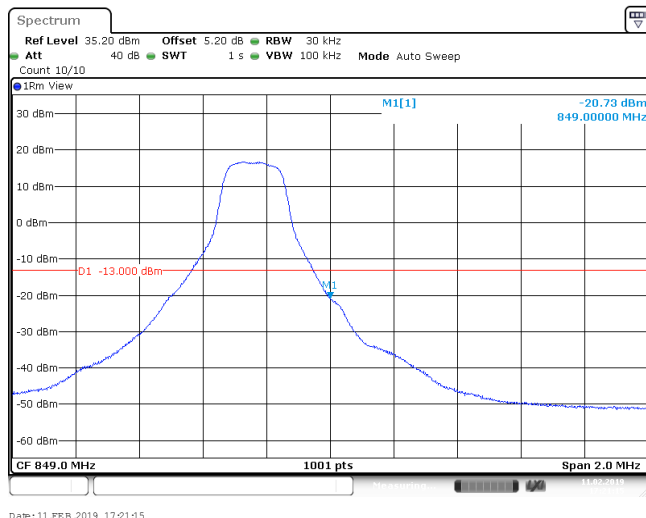


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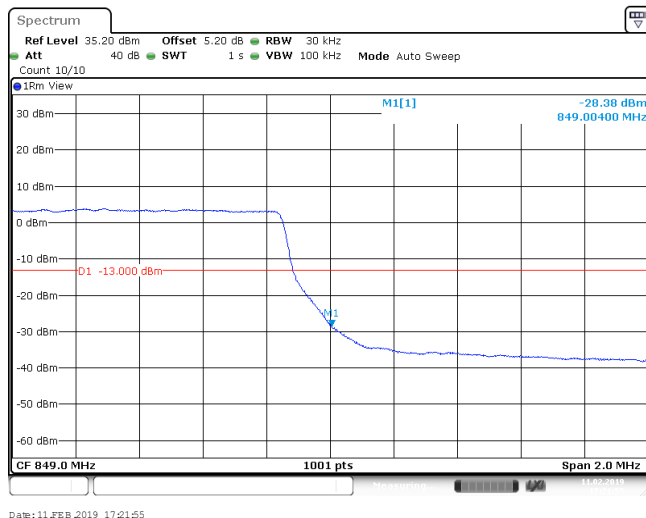
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BAND 26_3MHz_QPSK_27025_15RB#0

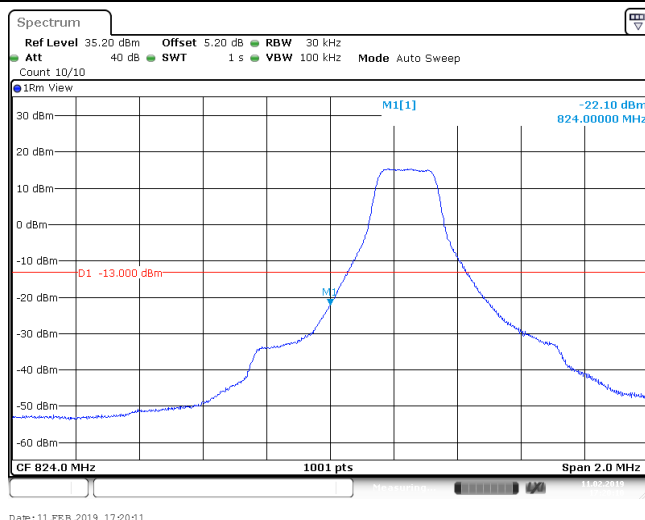


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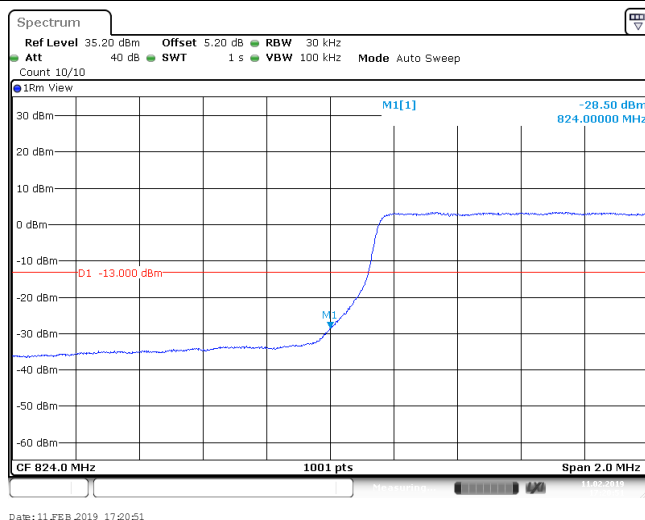


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BAND 26 3MHz 16QAM 26805 15RB#0



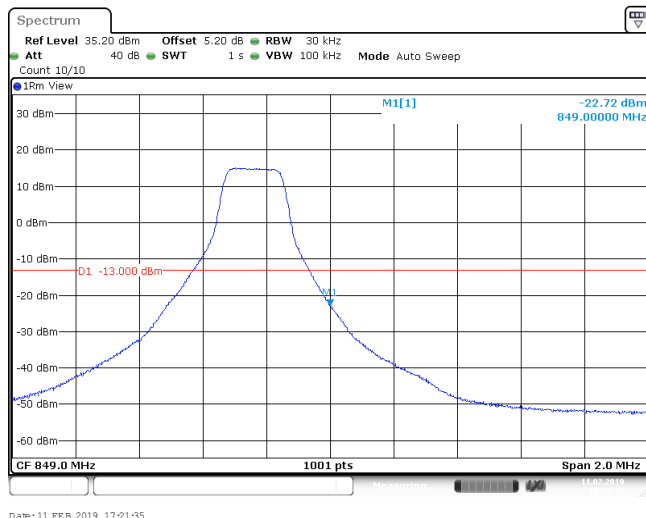
BAND 26 3MHz 16QAM 27025 1RB#14



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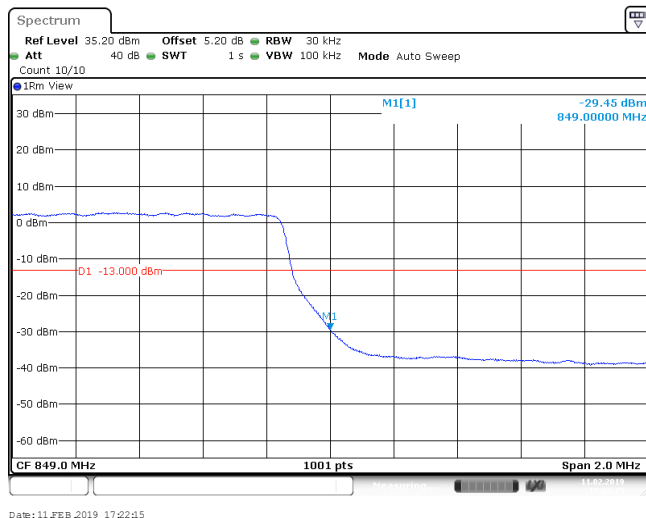
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BAND 26_3MHz_16QAM_27025_15RB#0



Date: 11 FEB 2019 17:22:15

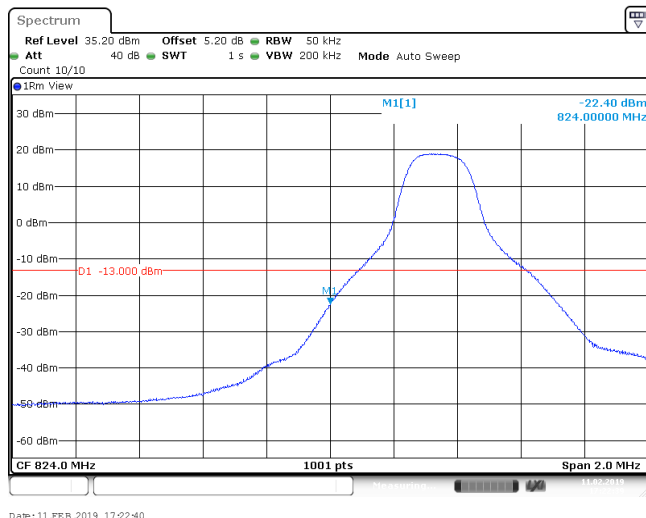
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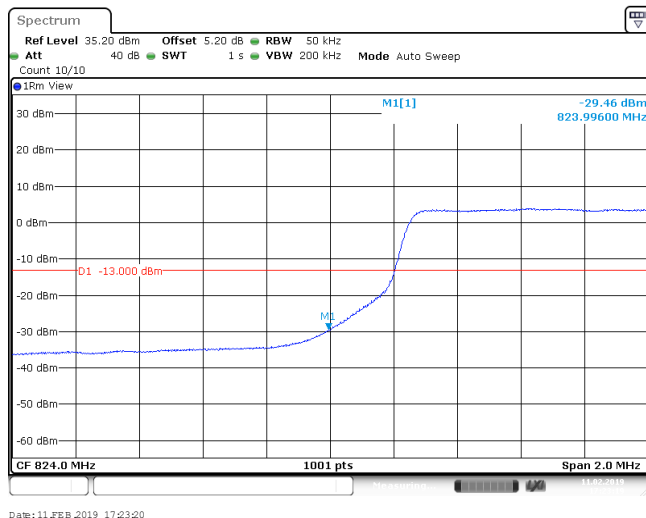
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BAND 26_5MHz_QPSK_26815_25RB#0



BAND 26_5MHz_QPSK_27015_1RB#24

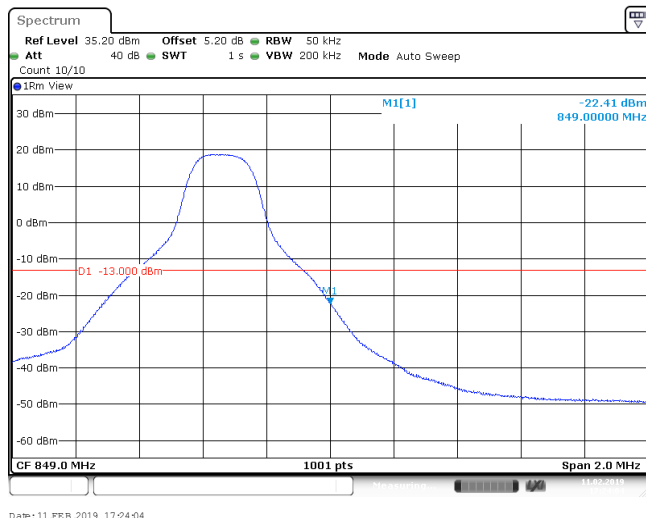


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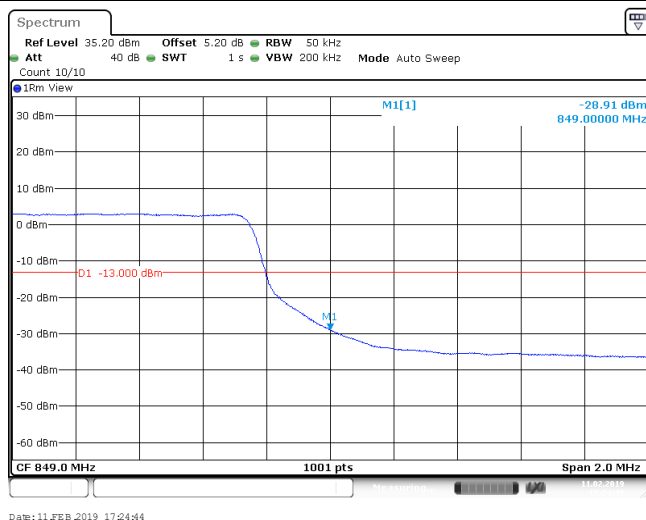
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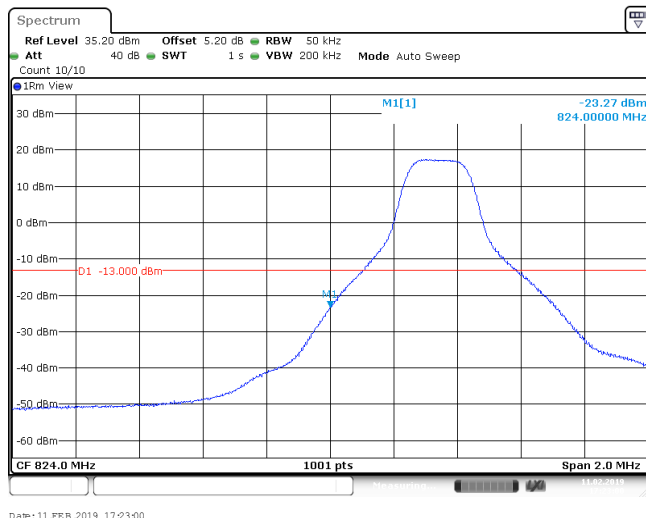


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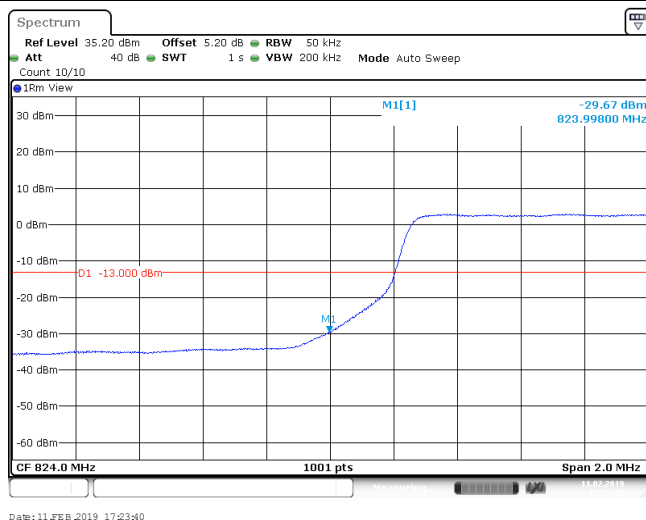


BAND 26_5MHz_16QAM_26815_1RB#0





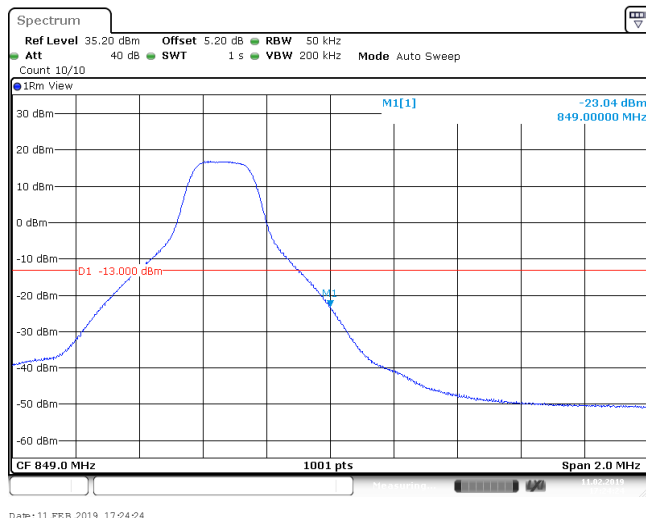
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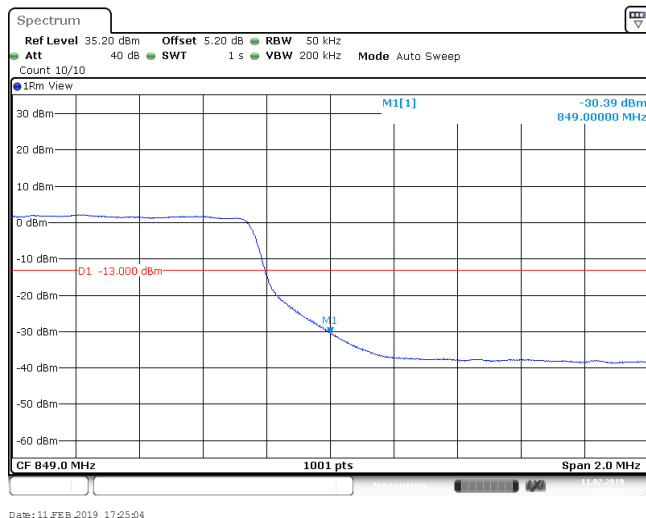
BAND 26_5MHz_16QAM_27015_1RB#24



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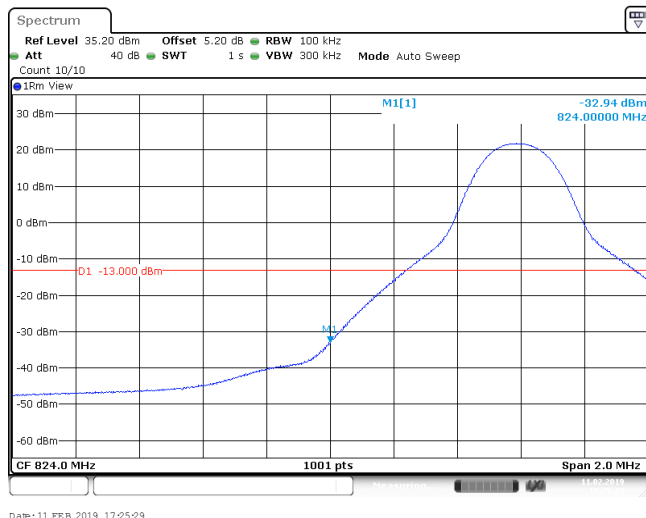


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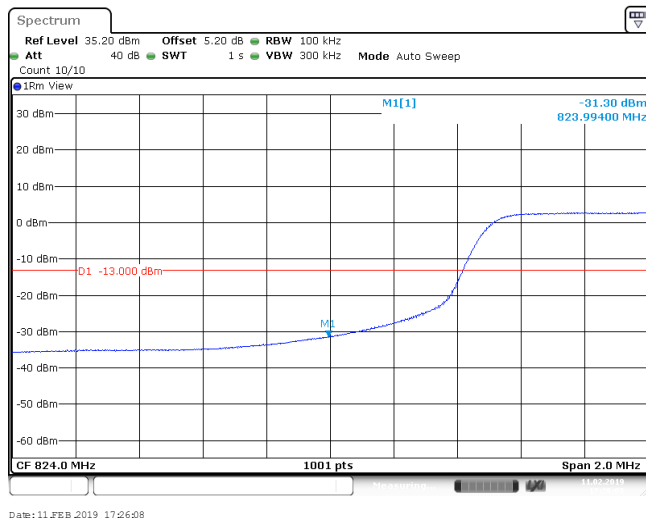


BAND 26_10MHz_QPSK_26840_1RB#0





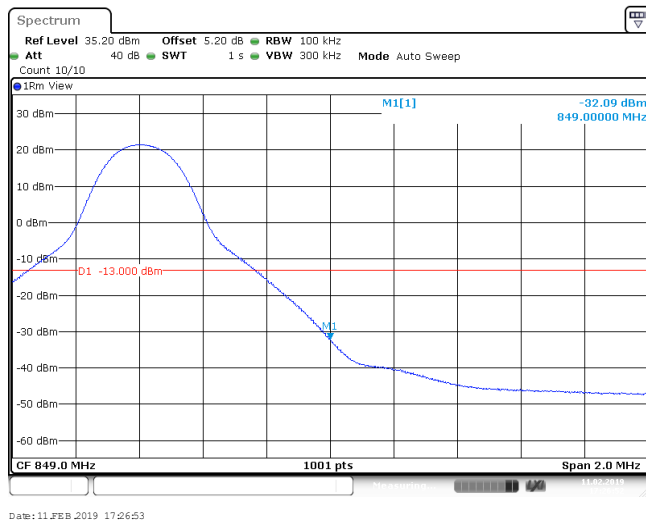
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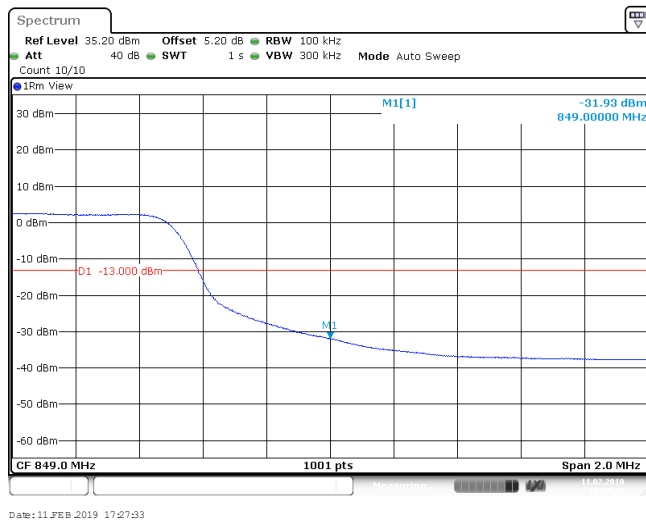
BAND 26_10MHz_QPSK_26990_1RB#49



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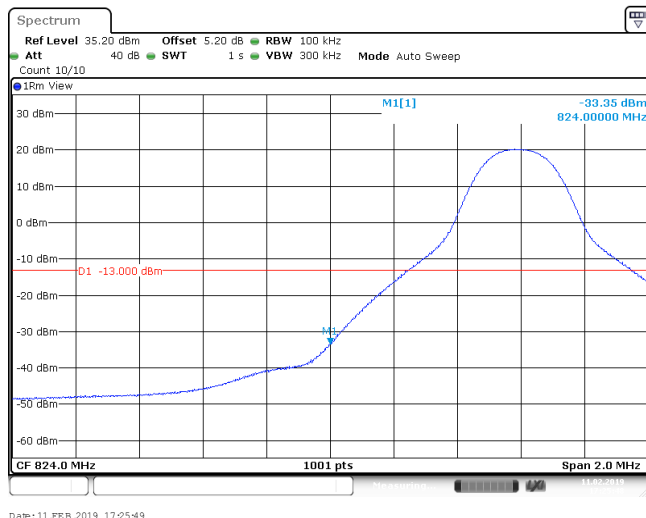


BAND 26_10MHz_QPSK_26990_50RB#0

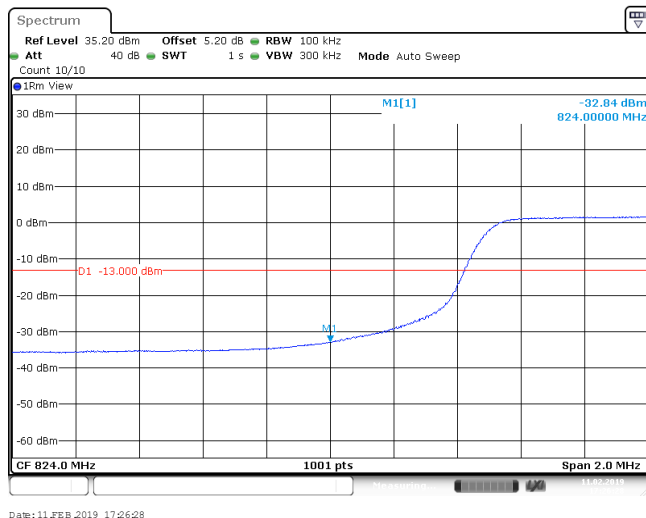


BAND 26_10MHz_16QAM_26840_1RB#0





BAND 26_10MHz_16QAM_26840_50RB#0



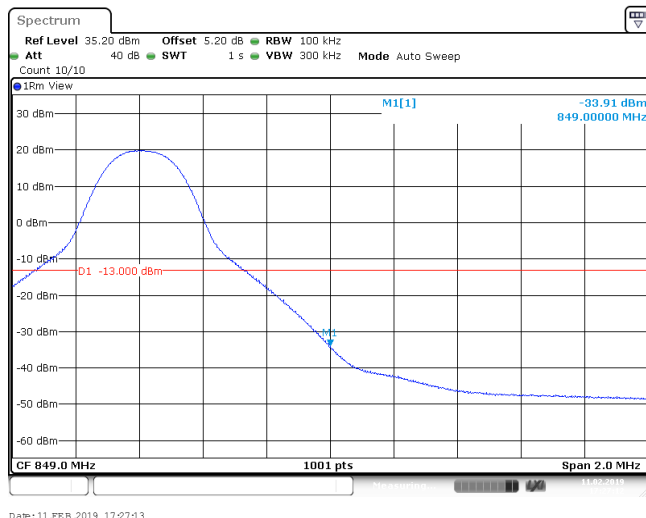
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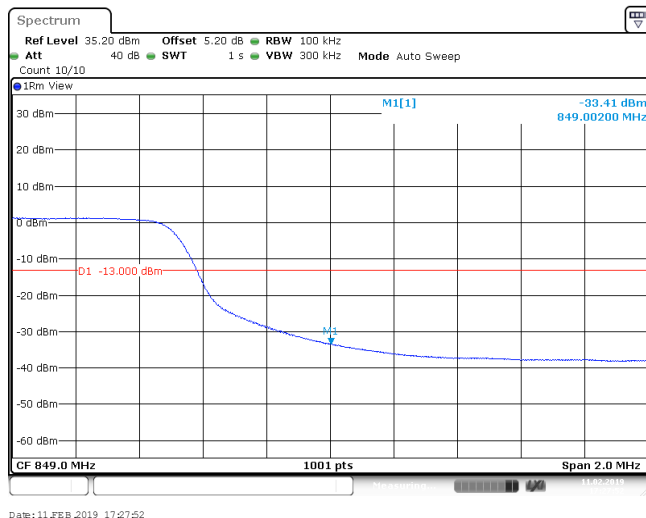
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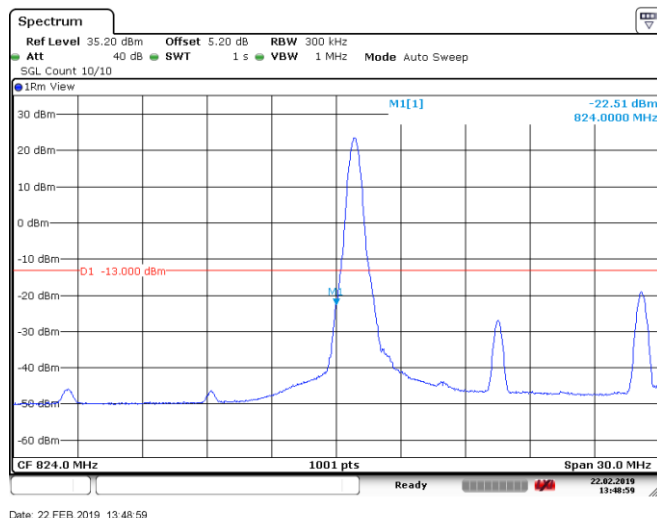


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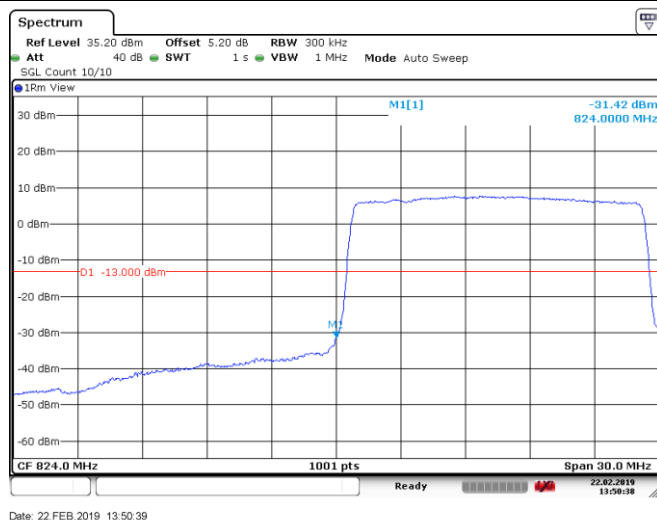


BAND 26_15MHz_QPSK_26865_1RB#0





BAND 26 15MHz QPSK 26865 75RB#0



BAND 26_15MHz_QPSK_26965_1RB#74

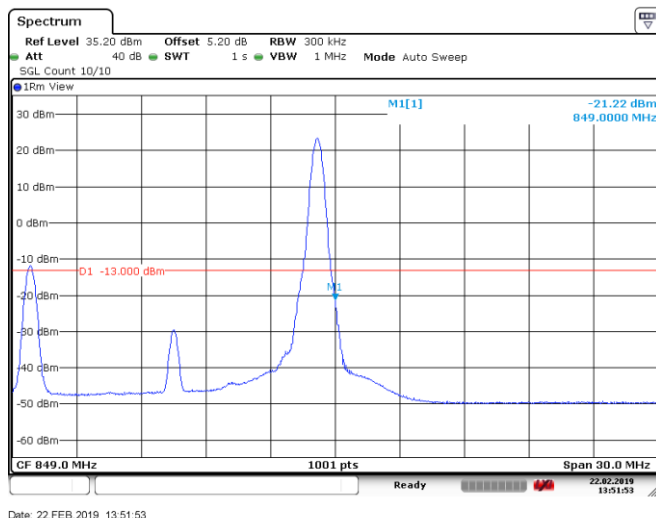


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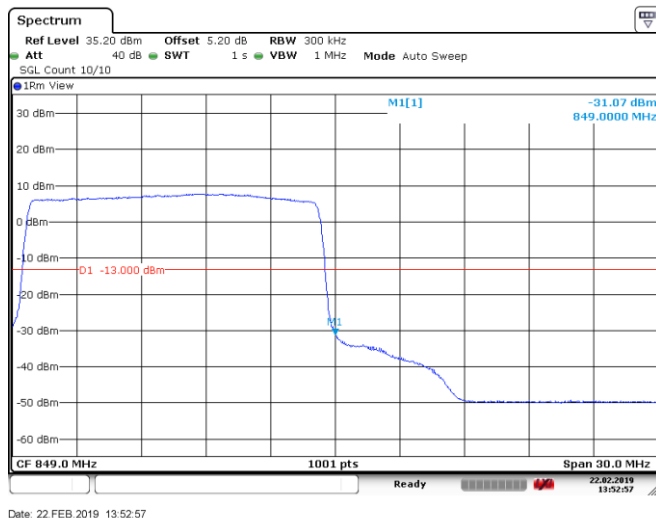
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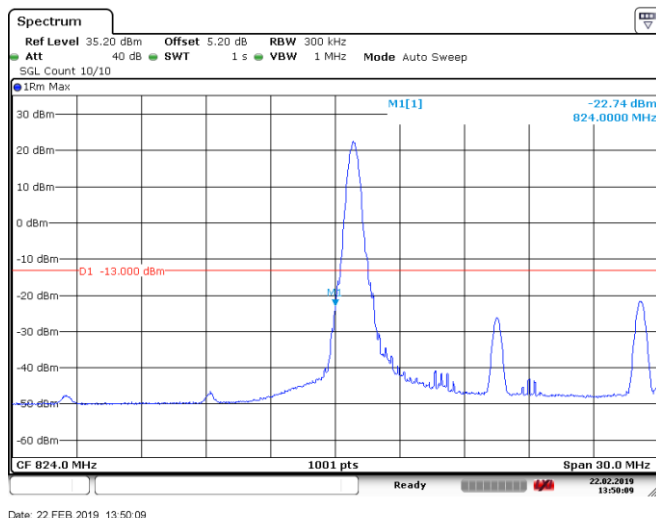
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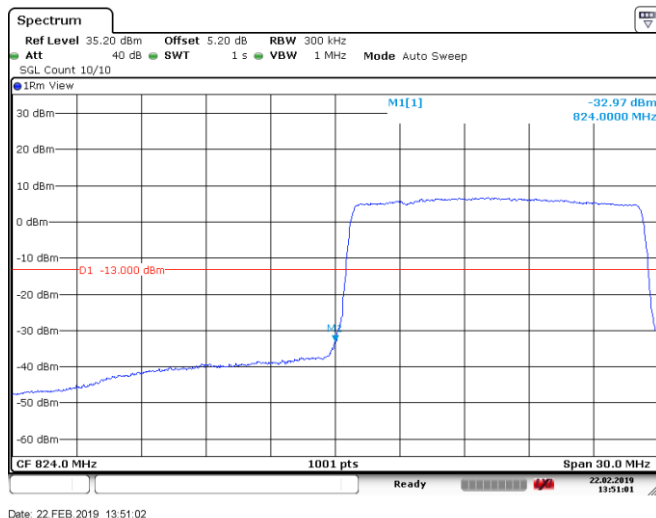


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Date: 22 FEB 2019 13:50:09

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Date: 22 FEB 2019 13:51:02

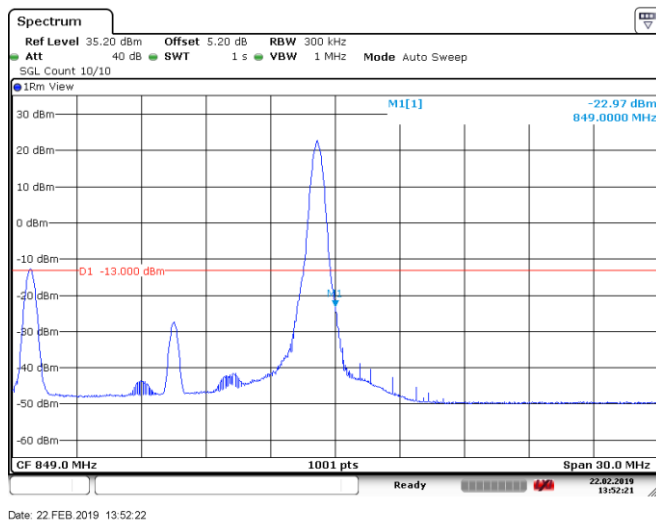
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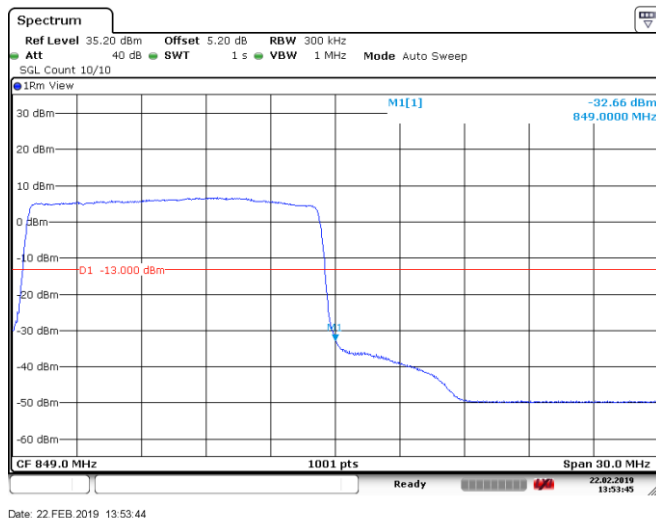
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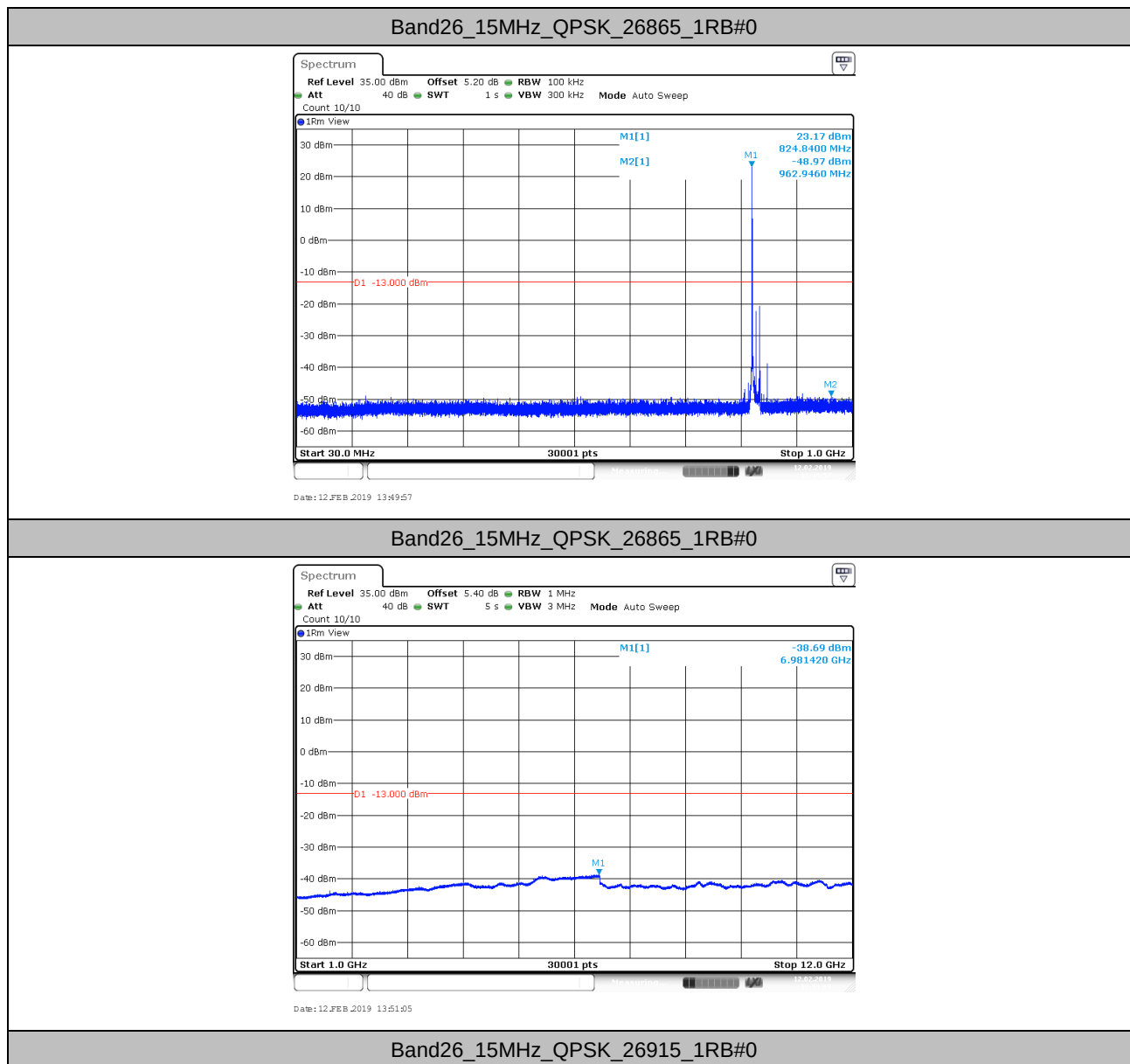


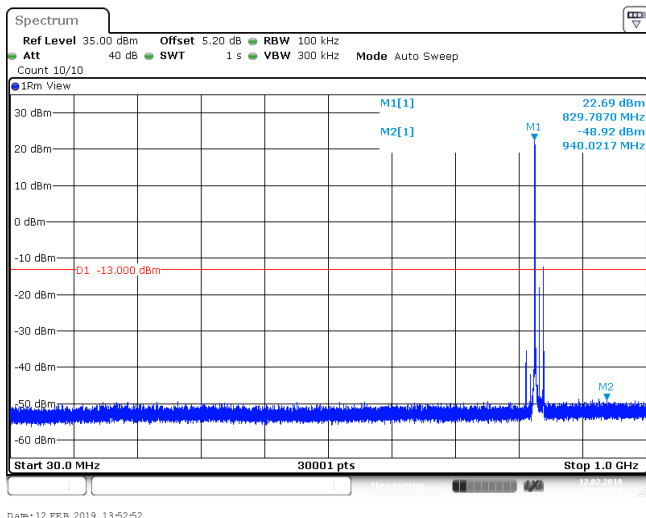
6. Spurious Emission at Antenna Terminal

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.

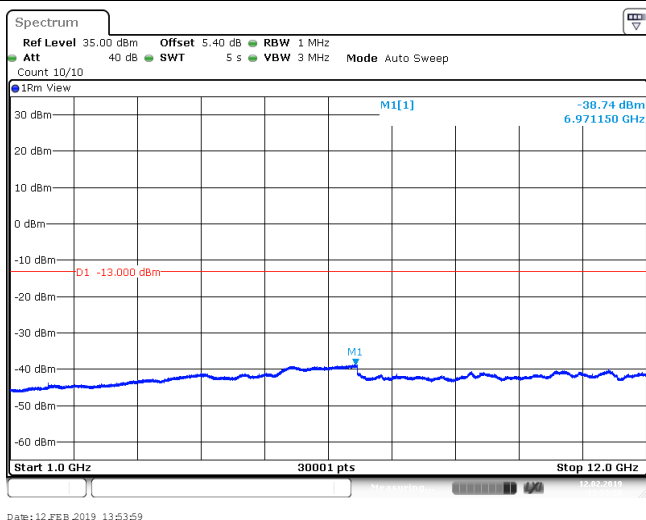
Remark2: only the worst case data displayed in this report.

6.1. Test Plots





Band26_15MHz_QPSK_26915_1RB#0

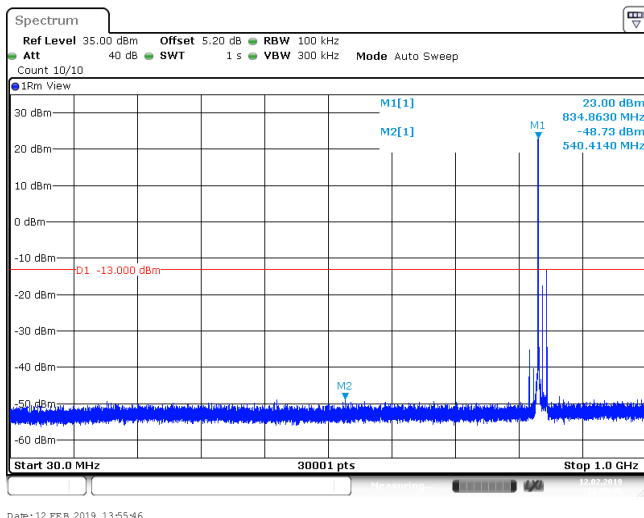


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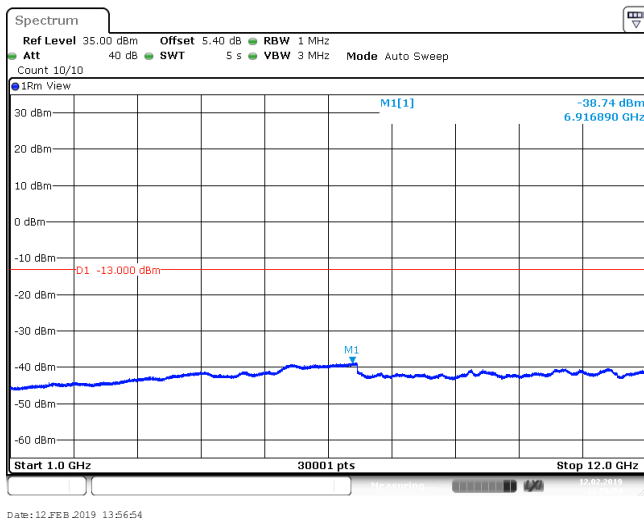


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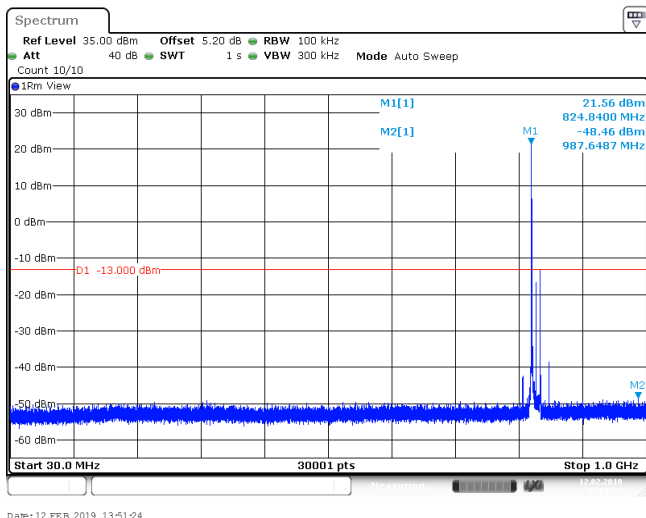


Band26_15MHz_16QAM_26865_1RB#0

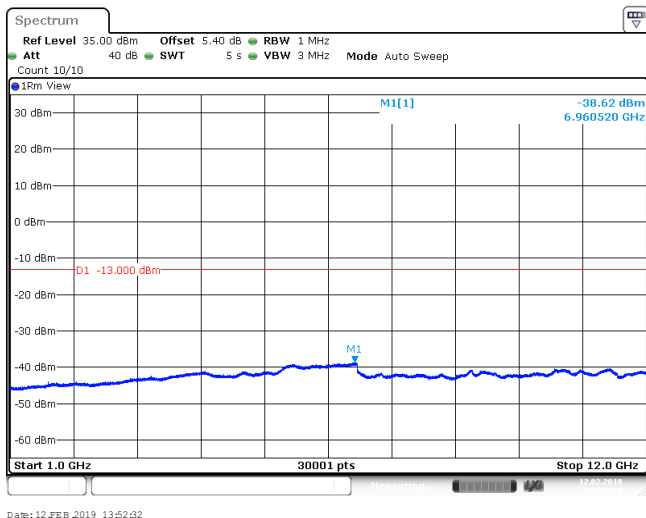


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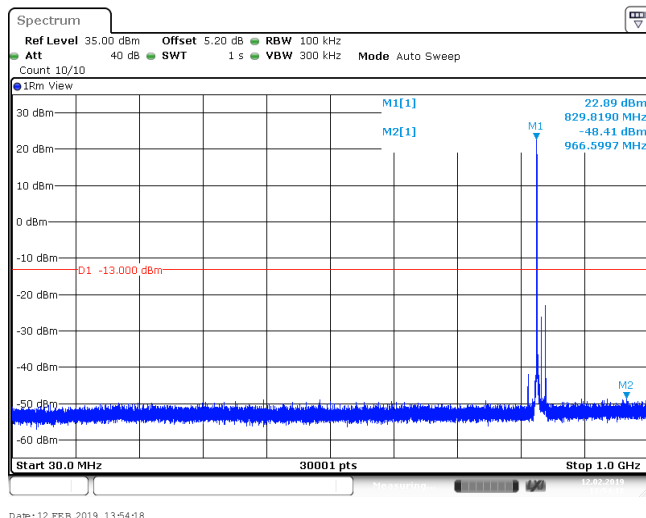


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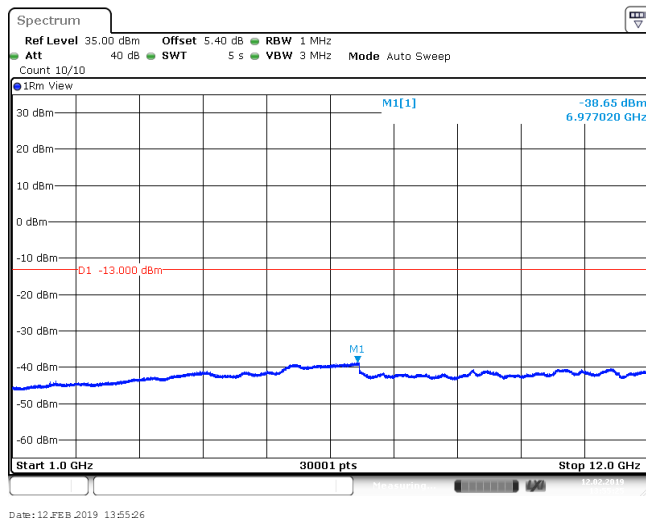


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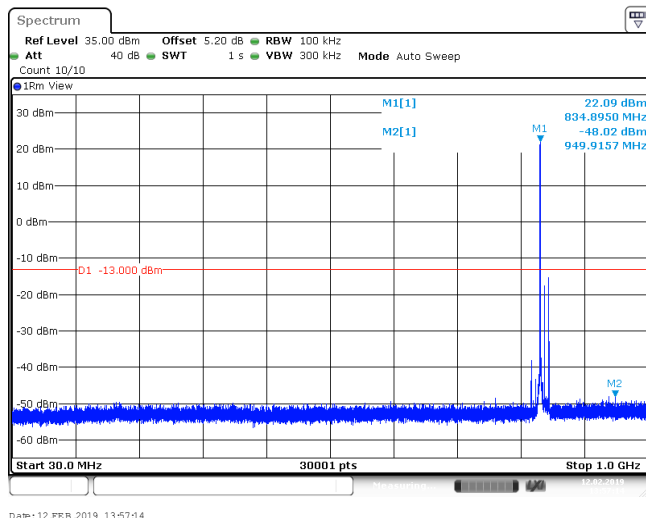
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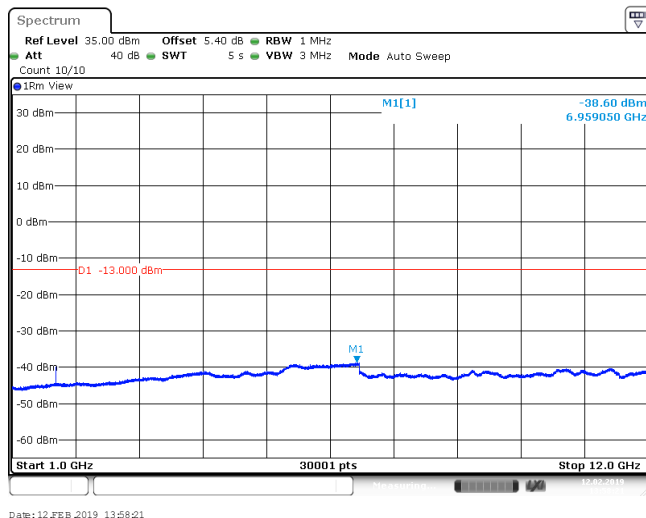
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Band26_15MHz_16QAM_26965_1RB#0





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.



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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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