



Appendix B

E-UTRA Band 26 (824-849)



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	22.90	23.65	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	22.98	23.73	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	22.76	23.51	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	22.93	23.68	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	23.01	23.76	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	23.12	23.87	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	21.84	22.59	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	22.45	23.20	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	22.77	23.52	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	22.69	23.44	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	22.93	23.68	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	22.98	23.73	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	23.06	23.81	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.80	22.55	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.84	23.59	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.91	23.66	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	22.97	23.72	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	22.82	23.57	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	22.87	23.62	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	22.85	23.60	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.96	22.71	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	21.62	22.37	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	21.66	22.41	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	21.49	22.24	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	21.65	22.40	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	22.18	22.93	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	22.04	22.79	38.45	PASS



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Band26	1.4MHz	16QAM	26797	6RB#0	21.36	22.11	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	21.32	22.07	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	21.55	22.30	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	21.43	22.18	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	22.11	22.86	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	22.03	22.78	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	22.05	22.80	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	20.90	21.65	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	21.45	22.20	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	21.52	22.27	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	21.66	22.41	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.10	22.85	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.02	22.77	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	21.81	22.56	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	20.91	21.66	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	22.80	23.55	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.61	23.36	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	22.72	23.47	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#4	21.91	22.66	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#0	21.74	22.49	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#7	21.73	22.48	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	21.72	22.47	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.82	23.57	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.53	23.28	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	22.91	23.66	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#4	21.64	22.39	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#7	21.81	22.56	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#0	21.77	22.52	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	21.63	22.38	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.86	23.61	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.67	23.42	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	22.79	23.54	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#7	21.78	22.53	38.45	PASS





Band26	3MHz	QPSK	27025	8RB#4	21.79	22.54	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#0	22.00	22.75	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.99	22.74	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	21.53	22.28	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	21.36	22.11	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	21.38	22.13	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#4	20.81	21.56	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#0	20.65	21.40	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#7	20.67	21.42	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.78	21.53	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	21.54	22.29	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.41	22.16	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	21.40	22.15	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#7	20.67	21.42	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#4	20.59	21.34	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#0	20.74	21.49	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.80	21.55	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	21.58	22.33	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.53	22.28	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	21.49	22.24	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#7	20.62	21.37	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#4	20.74	21.49	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	20.73	21.48	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.77	21.52	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	22.57	23.32	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.09	23.84	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	22.66	23.41	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#0	21.80	22.55	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#13	21.81	22.56	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#6	21.74	22.49	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.69	22.44	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	22.73	23.48	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	22.89	23.64	38.45	PASS



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Band26	5MHz	QPSK	26915	1RB#12	22.63	23.38	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#0	21.71	22.46	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#13	21.73	22.48	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#6	21.87	22.62	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.73	22.48	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	22.69	23.44	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.97	23.72	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	22.64	23.39	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#6	21.80	22.55	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#0	21.79	22.54	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#13	21.94	22.69	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.82	22.57	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	21.51	22.26	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	21.78	22.53	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	21.37	22.12	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#6	20.55	21.30	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#0	20.65	21.40	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#13	20.56	21.31	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	20.59	21.34	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	21.38	22.13	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	21.83	22.58	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	21.59	22.34	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#6	20.49	21.24	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#13	20.79	21.54	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#0	20.85	21.60	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	20.65	21.40	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	21.45	22.20	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	21.91	22.66	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	21.52	22.27	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#0	20.66	21.41	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#6	20.94	21.69	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#13	20.88	21.63	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	20.93	21.68	38.45	PASS



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Band26	10MHz	QPSK	26840	1RB#24	22.53	23.28	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.14	23.89	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	22.67	23.42	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#25	21.82	22.57	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#12	21.76	22.51	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#0	21.68	22.43	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	21.74	22.49	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	22.60	23.35	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	22.67	23.42	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	22.76	23.51	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#0	21.86	22.61	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#25	21.75	22.50	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#12	21.90	22.65	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	21.67	22.42	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	22.74	23.49	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.03	23.78	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	22.61	23.36	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	21.95	22.70	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#0	21.81	22.56	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#12	21.83	22.58	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	21.85	22.60	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	21.65	22.40	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	21.76	22.51	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	21.43	22.18	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#0	20.51	21.26	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#25	20.61	21.36	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#12	20.63	21.38	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	20.75	21.50	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	21.37	22.12	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	21.83	22.58	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	21.65	22.40	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#0	20.61	21.36	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#12	20.80	21.55	38.45	PASS



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Band26	10MHz	16QAM	26915	25RB#25	20.82	21.57	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	20.56	21.31	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	21.51	22.26	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	21.89	22.64	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	21.58	22.33	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#12	20.66	21.41	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#0	20.78	21.53	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#25	20.76	21.51	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.05	21.80	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.66	23.41	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.15	23.90	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	22.72	23.47	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#0	21.74	22.49	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#18	21.82	22.57	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#39	21.59	22.34	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	21.68	22.43	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.51	23.26	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	22.82	23.57	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	22.69	23.44	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#39	21.74	22.49	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#0	21.71	22.46	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#18	21.97	22.72	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.83	22.58	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.81	23.56	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	22.98	23.73	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.73	23.48	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#18	21.96	22.71	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#39	21.81	22.56	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#0	21.72	22.47	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.80	22.55	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	21.49	22.24	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.01	22.76	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	21.33	22.08	38.45	PASS



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Band26	15MHz	16QAM	26865	36RB#0	20.68	21.43	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#18	20.76	21.51	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#39	20.50	21.25	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	20.77	21.52	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	21.46	22.21	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	21.82	22.57	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	21.63	22.38	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#18	20.55	21.30	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#0	20.86	21.61	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#39	20.70	21.45	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	20.67	21.42	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	21.40	22.15	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.05	22.80	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	21.58	22.33	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#0	20.58	21.33	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#18	20.79	21.54	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#39	20.73	21.48	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	20.90	21.65	38.45	PASS

Remark:

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

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

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



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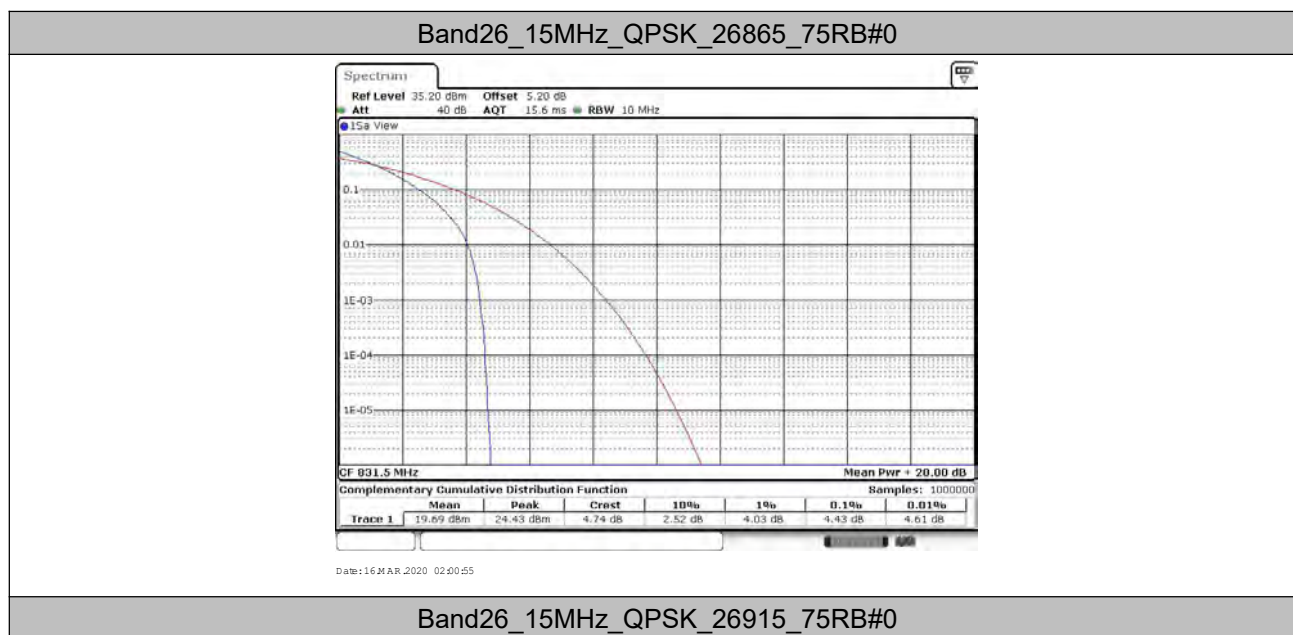


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

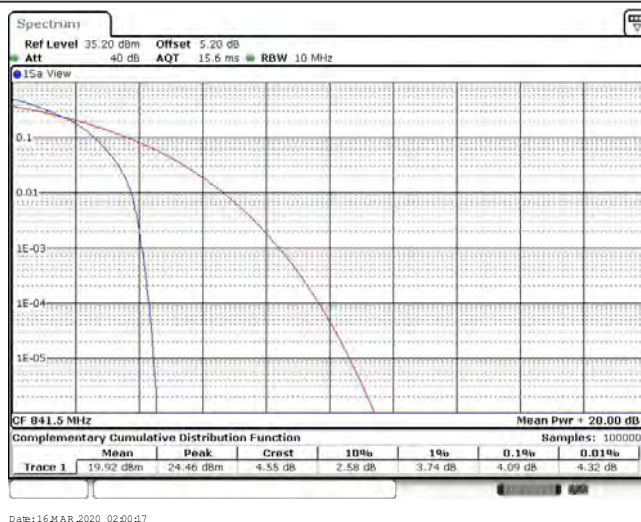
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.43	13.00	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.23	13.00	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.09	13.00	PASS
Band26	15MHz	16QAM	26865	75RB#0	5.62	13.00	PASS
Band26	15MHz	16QAM	26915	75RB#0	5.62	13.00	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.54	13.00	PASS

2.2. Test Plots





Band26_15MHz_QPSK_26965_75RB#0

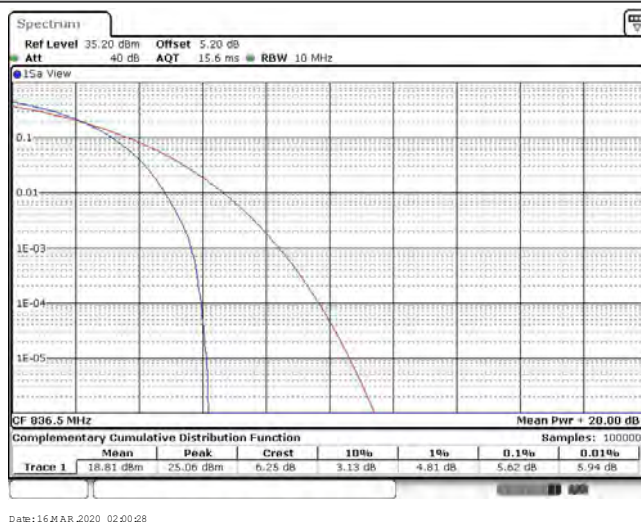


Band26_15MHz_16QAM_26865_75RB#0



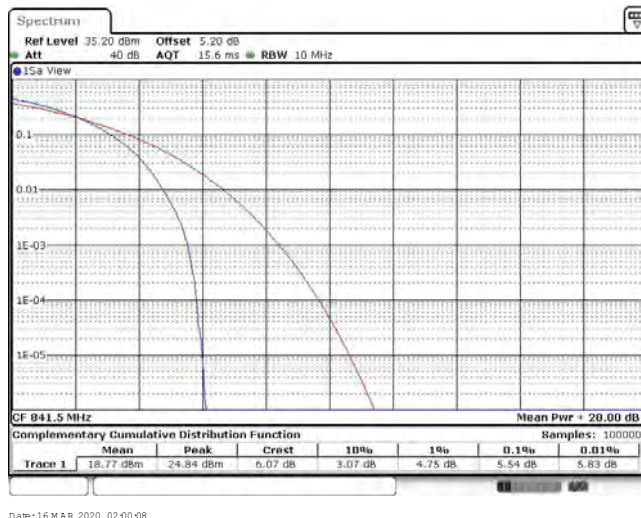


Band26_15MHz_16QAM_26915_75RB#0



Band26_15MHz_16QAM_26965_75RB#0





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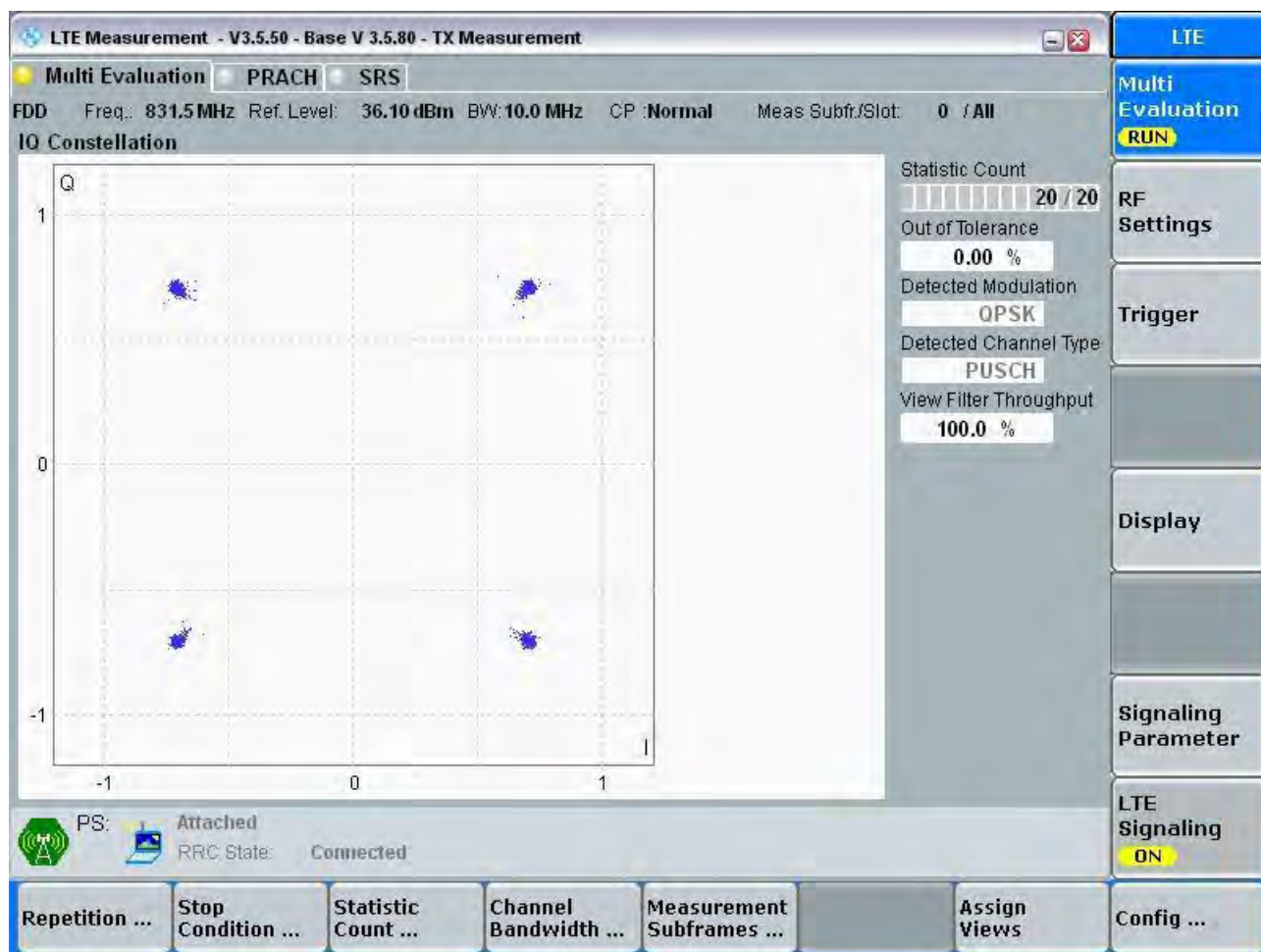
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3. Modulation Characteristics

3.1. Test Band = LTE Band 26

3.2. Test Mode = LTE /TM1 15MHz

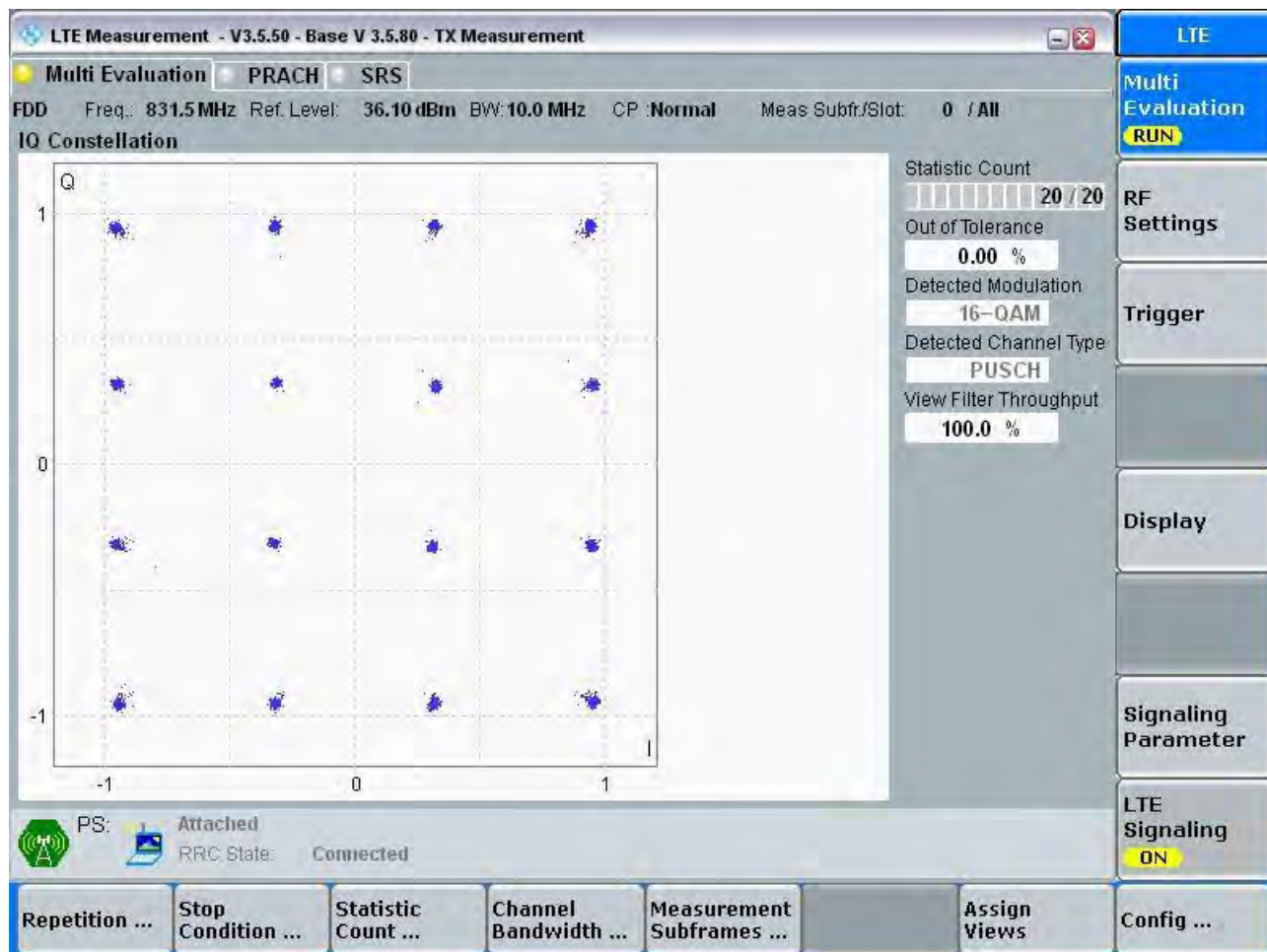
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM2 15MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.094	1.245	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.097	1.245	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.094	1.239	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.100	1.251	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.100	1.251	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.097	1.254	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.691	2.964	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.697	2.976	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.691	2.982	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.697	2.970	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.691	2.982	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.697	2.970	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.466	4.890	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.476	4.890	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.466	4.890	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.476	4.930	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.476	4.910	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.476	4.910	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.951	9.860	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.931	9.840	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.951	9.740	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.951	9.780	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.971	9.820	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.951	9.780	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.487	15.090	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.516	15.120	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.487	15.060	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.516	15.030	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.487	15.120	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.487	15.000	PASS



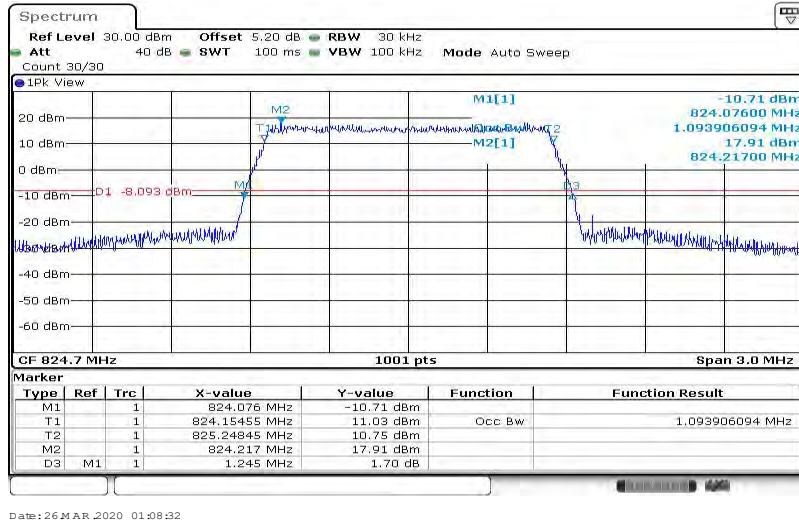
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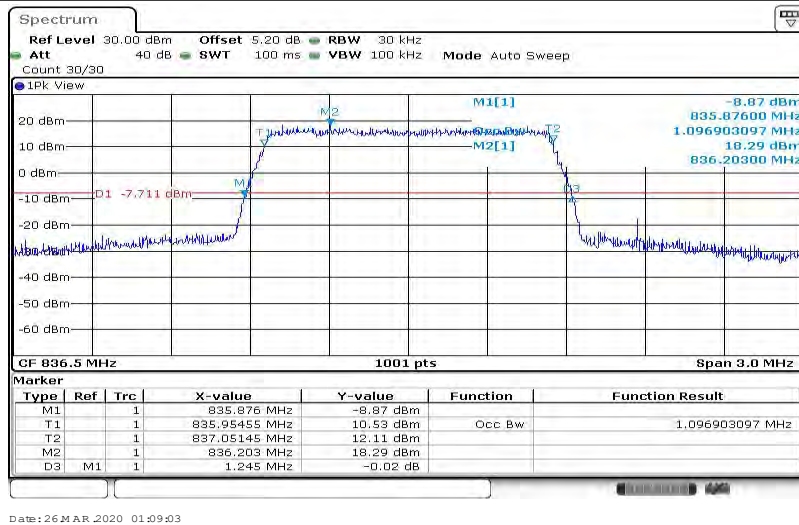


4.2. Test Plots

Band26-1.4MHz-QPSK-26797-6RB#0-1.094

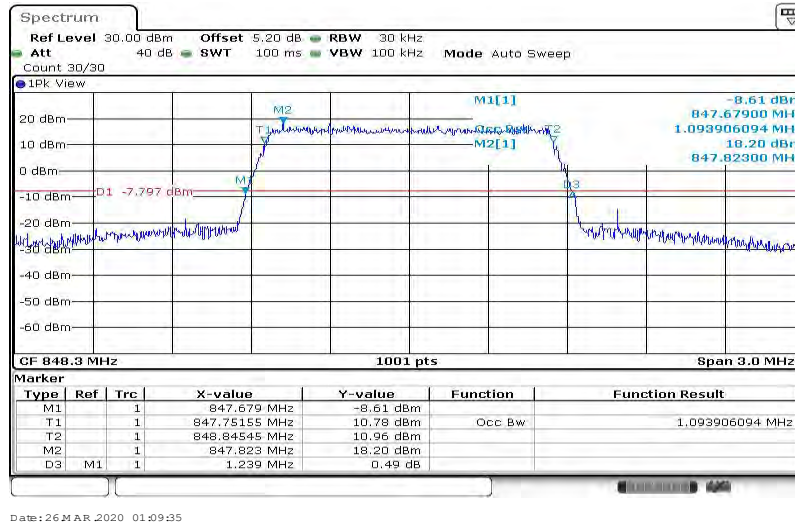


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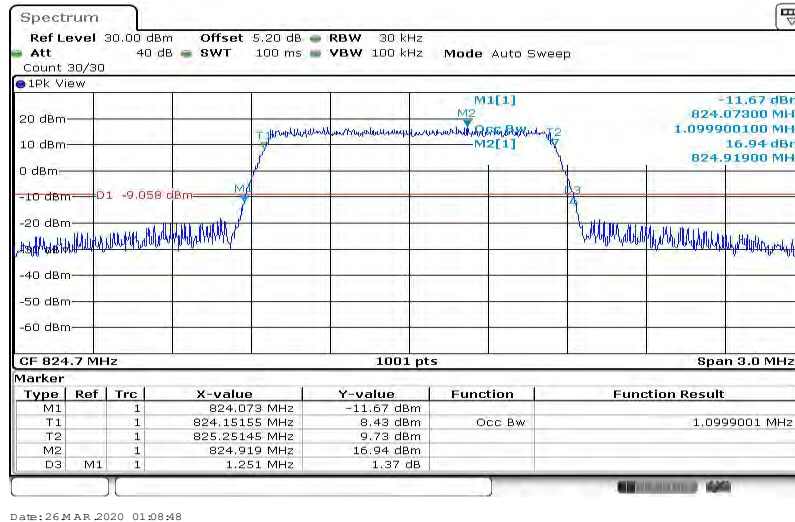


Band26-1.4MHz-QPSK-27033-6RB#0-1.094





Band26-1.4MHz-16QAM-26797-6RB#0-1.1

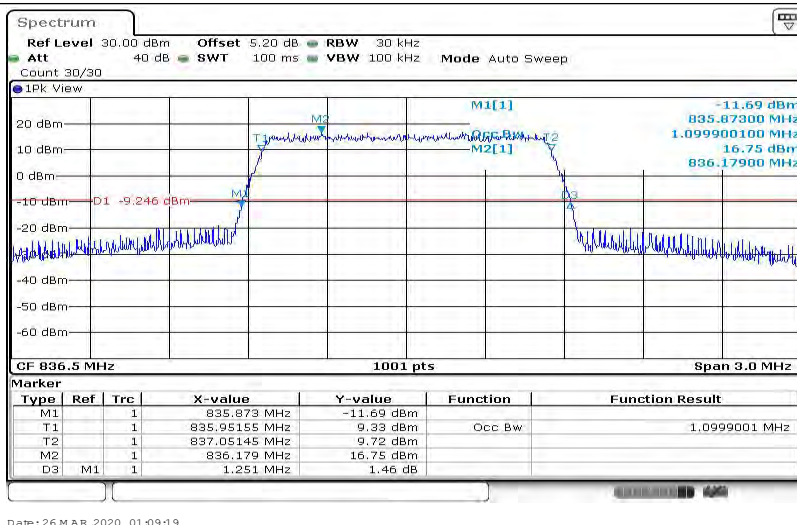


Band26-1.4MHz-16QAM-26915-6RB#0-1.1

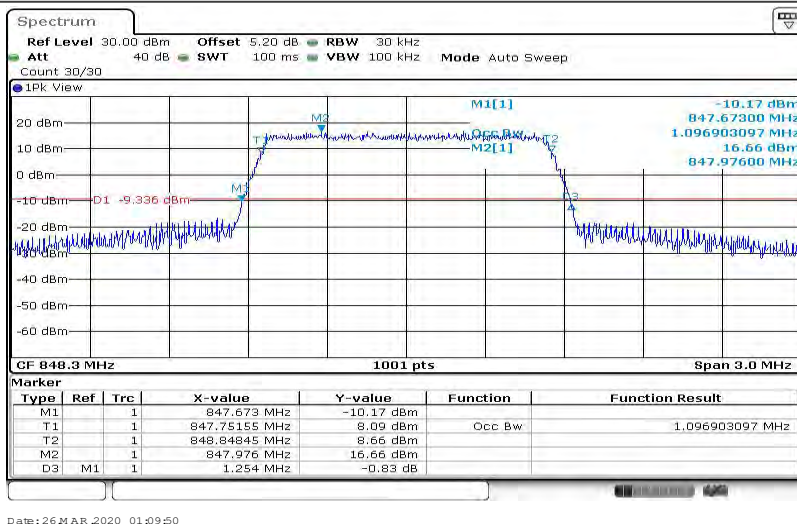


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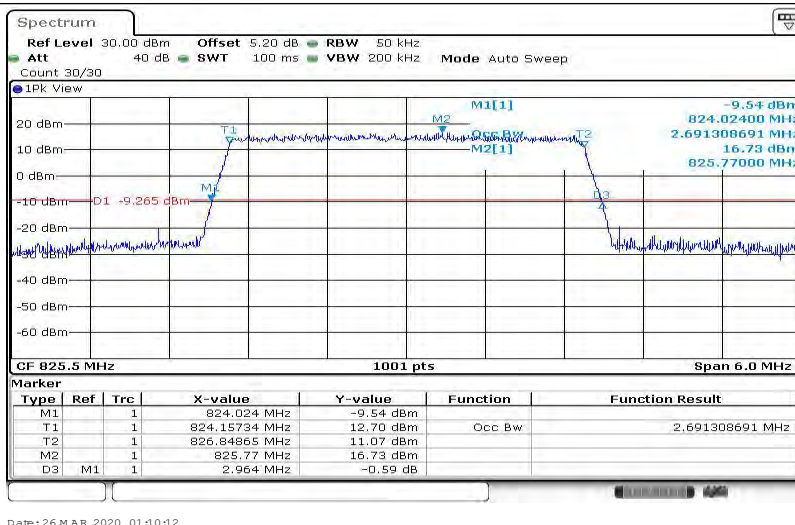


Band26-1.4MHz-16QAM-27033-6RB#0-1.097

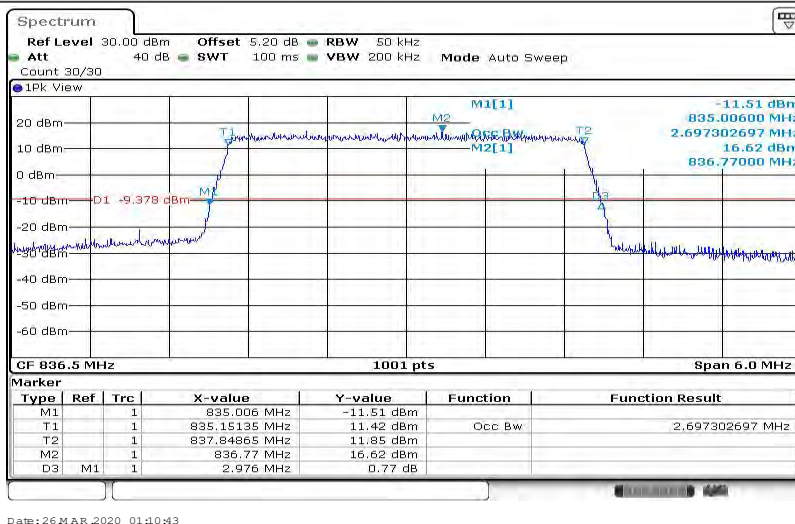


Band26-3MHz-QPSK-26805-15RB#0-2.691





Band26-3MHz-QPSK-26915-15RB#0-2.697

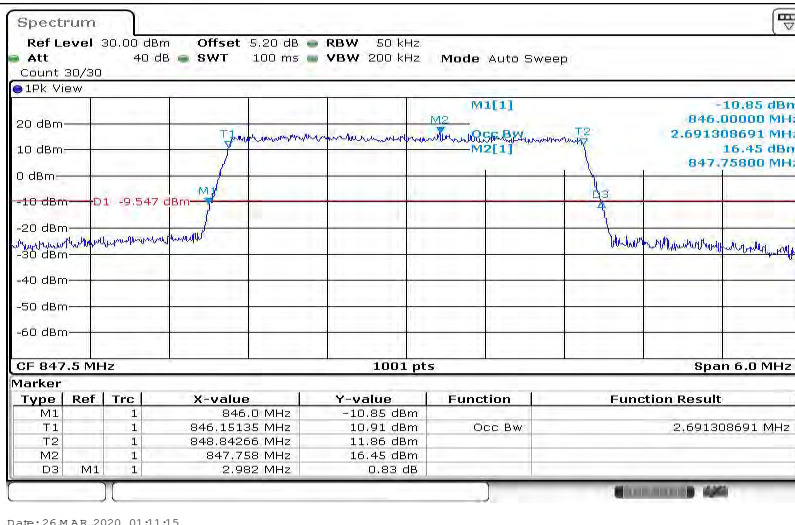


Band26-3MHz-QPSK-27025-15RB#0-2.691

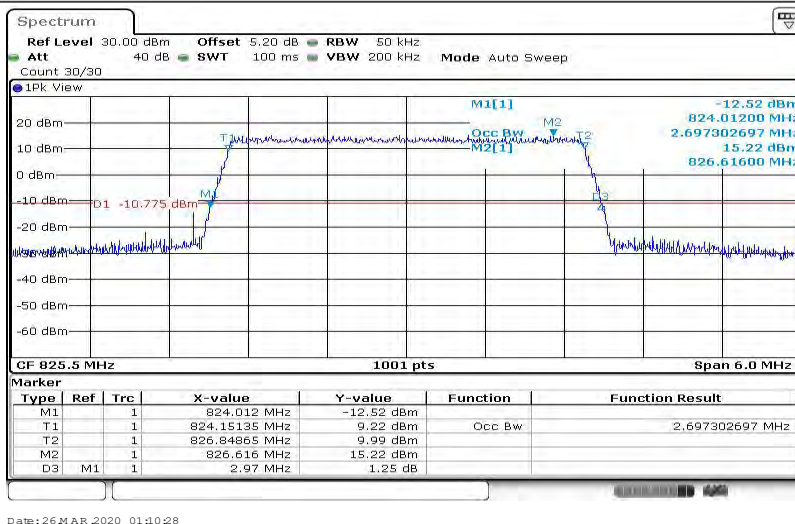


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Band26-3MHz-16QAM-26805-15RB#0-2.697

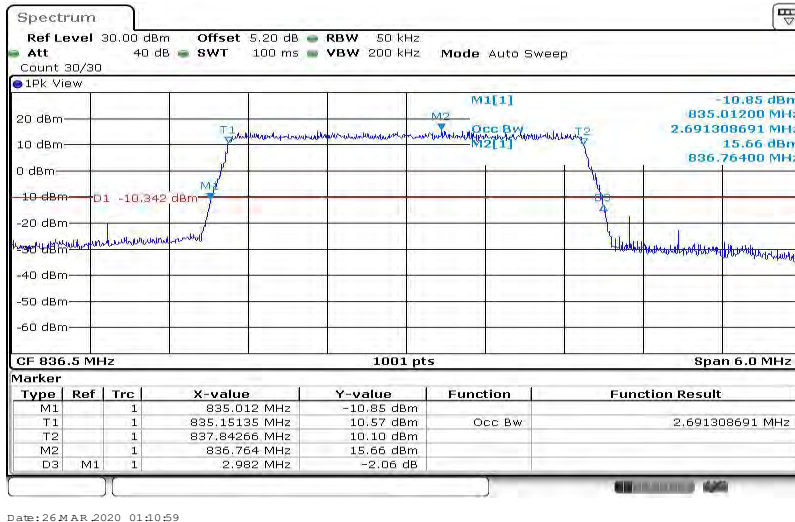


Band26-3MHz-16QAM-26915-15RB#0-2.691

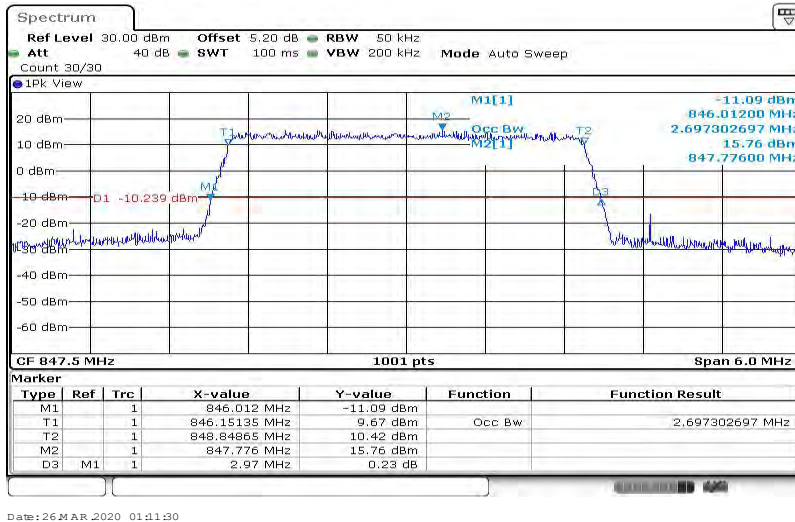


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Band26-3MHz-16QAM-27025-15RB#0-2.697

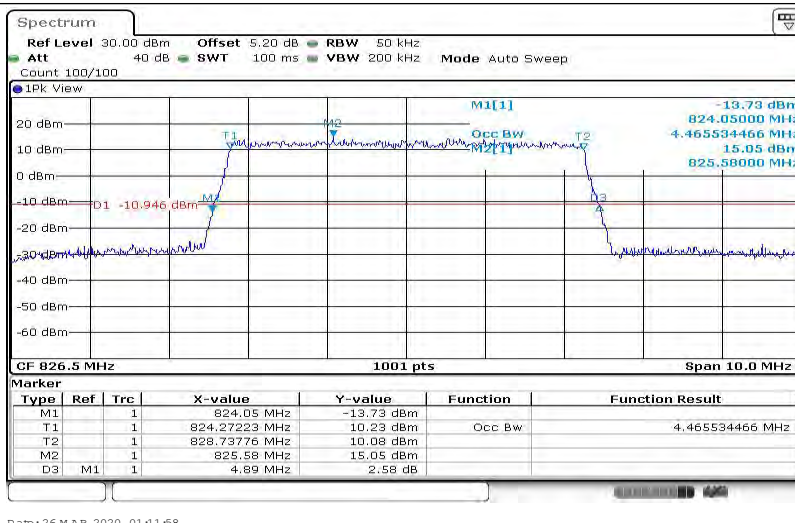


Band26-5MHz-QPSK-26815-25RB#0-4.466

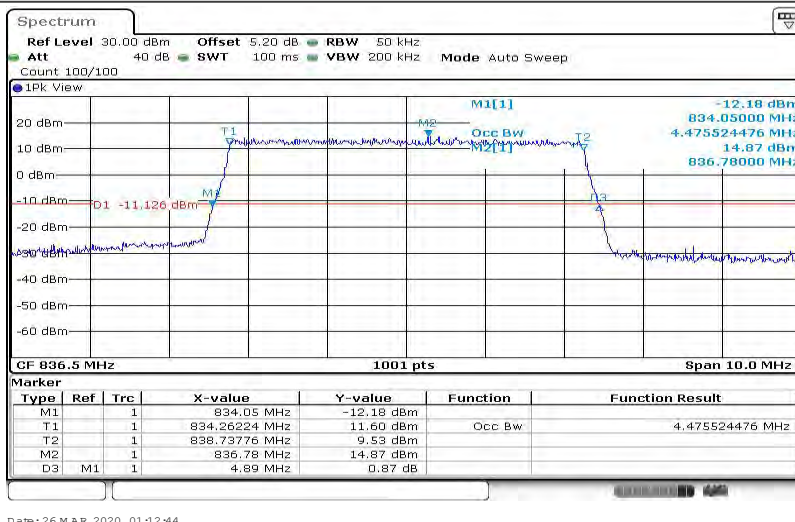


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Band26-5MHz-QPSK-26915-25RB#0-4.476

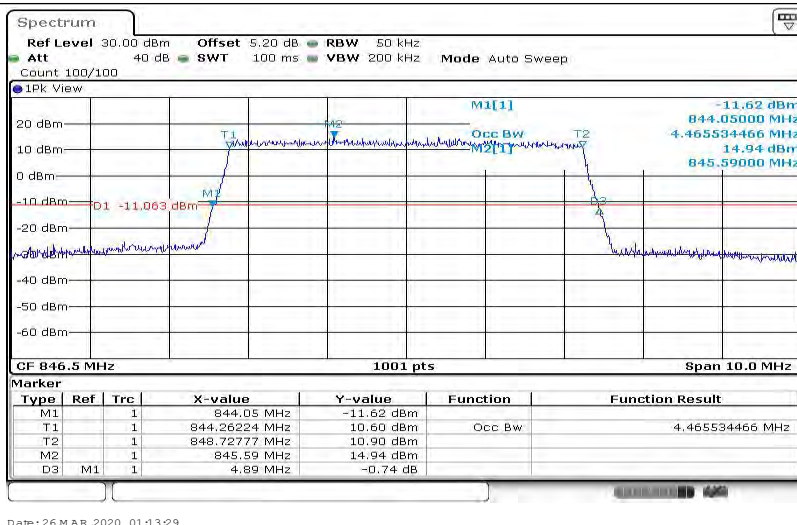


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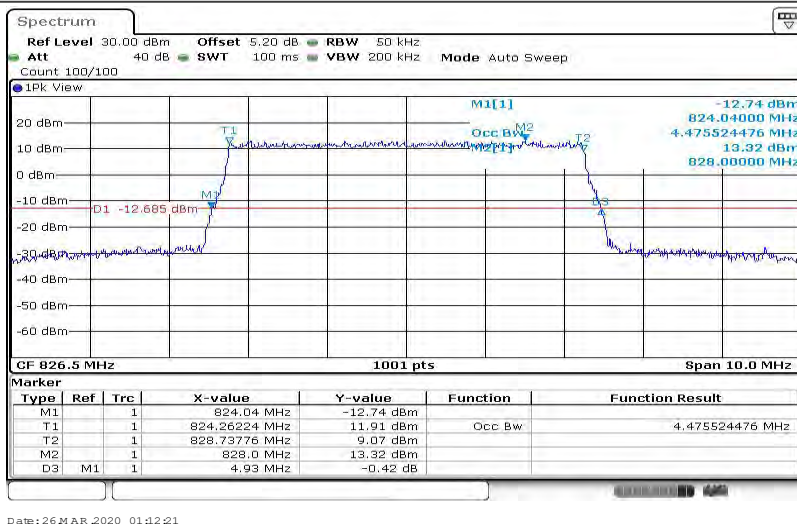


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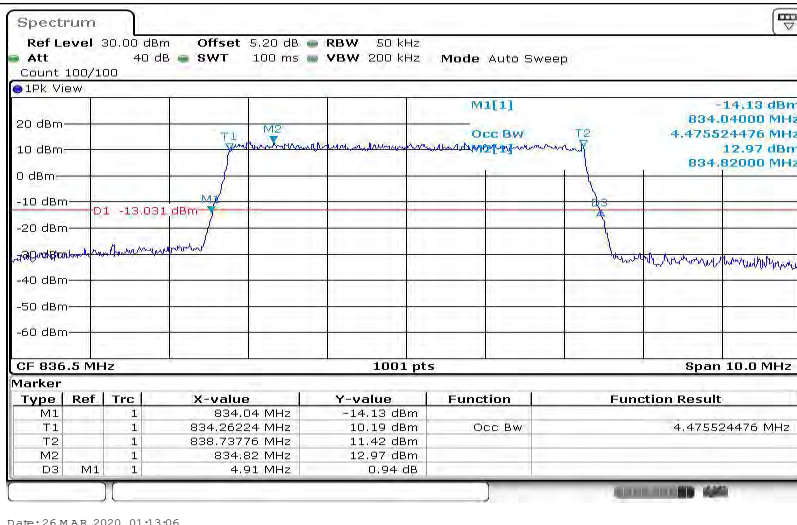


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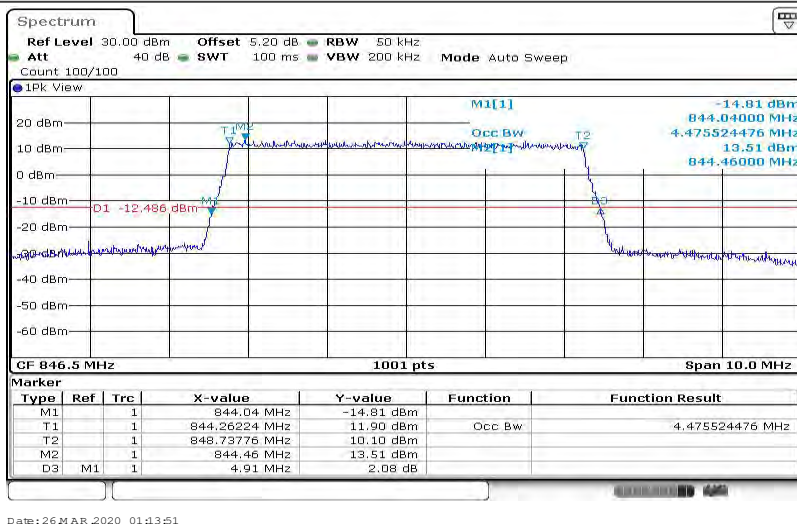


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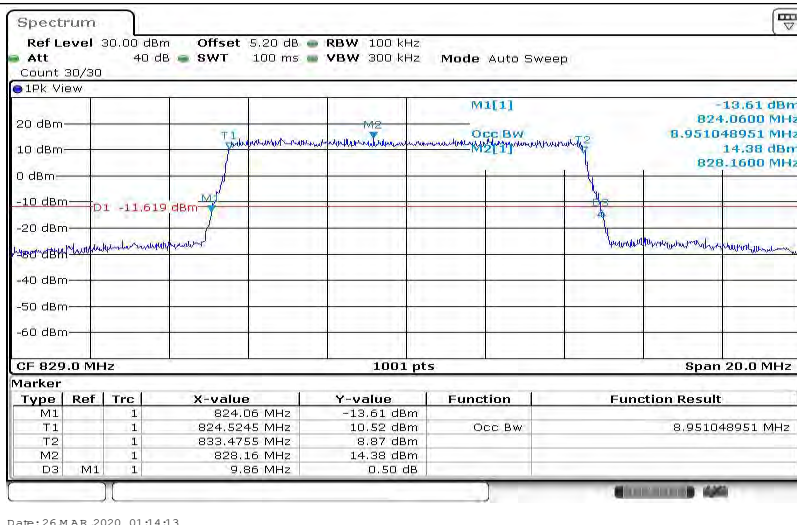


Band26-10MHz-QPSK-26840-50RB#0-8.951

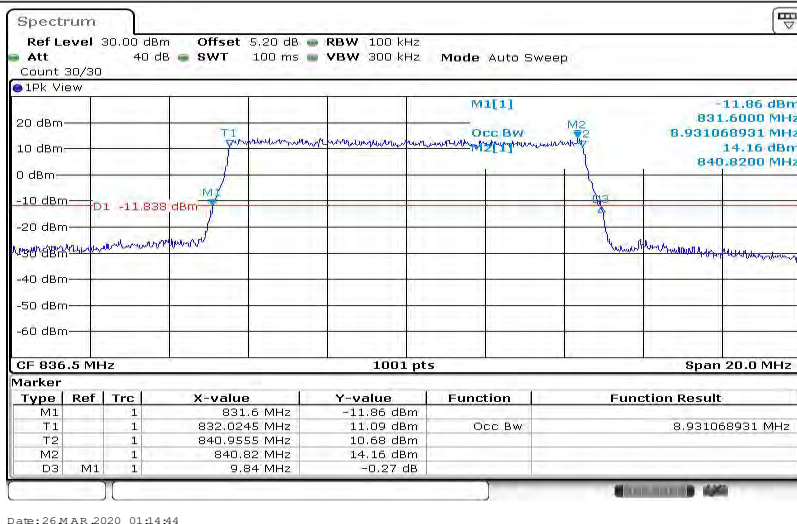


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Band26-10MHz-QPSK-26915-50RB#0-8.931

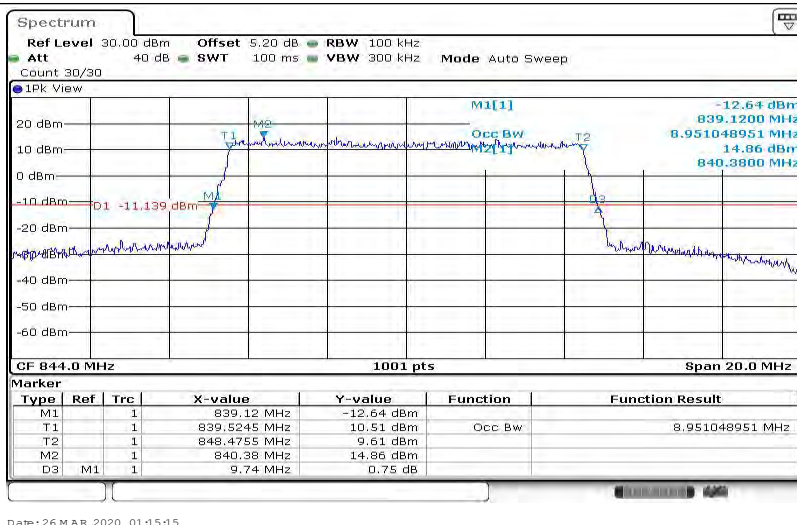


Band26-10MHz-QPSK-26990-50RB#0-8.951

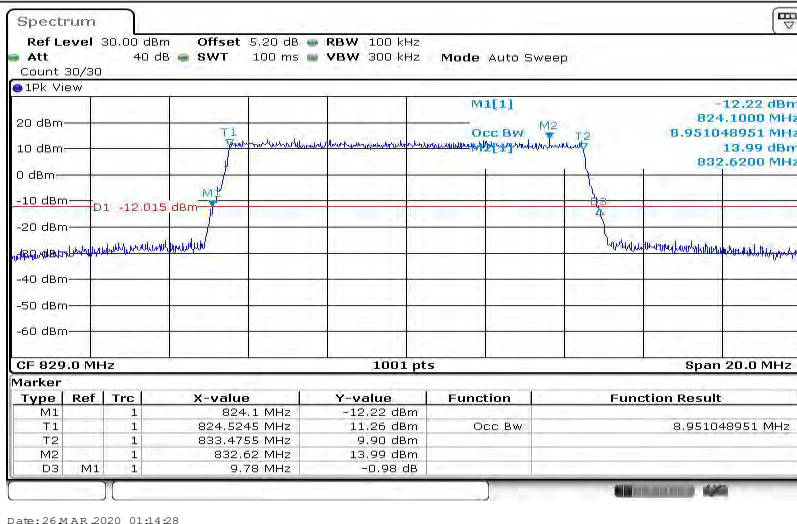


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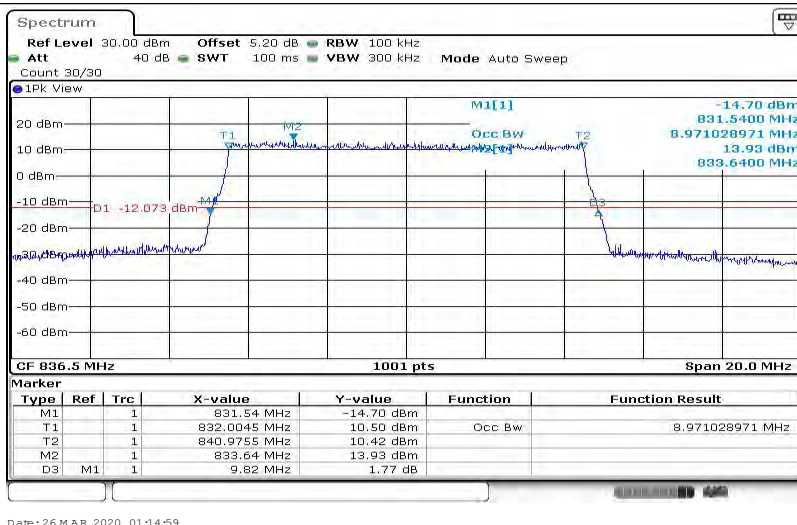


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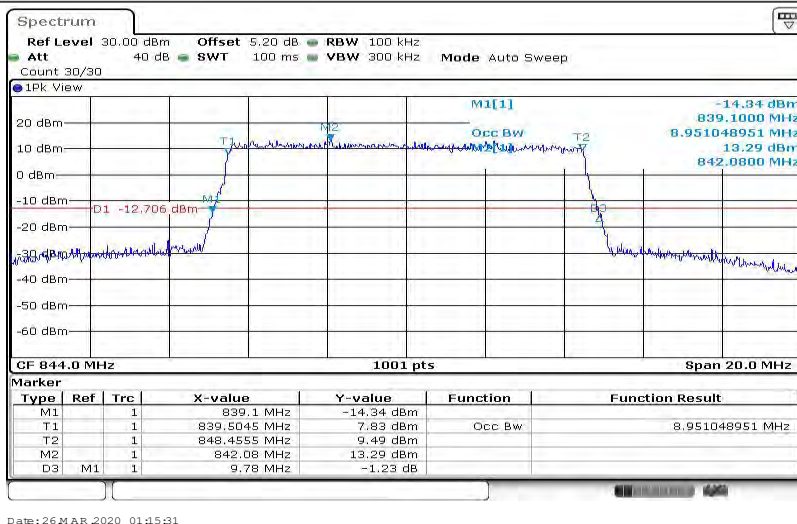


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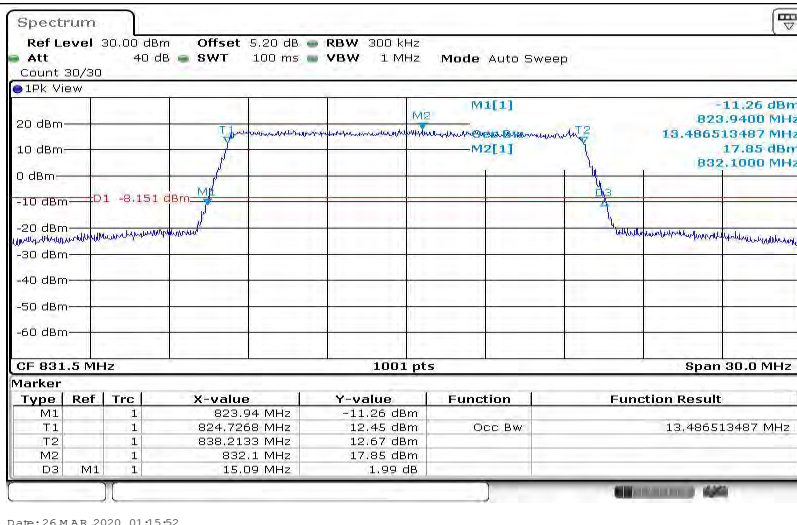


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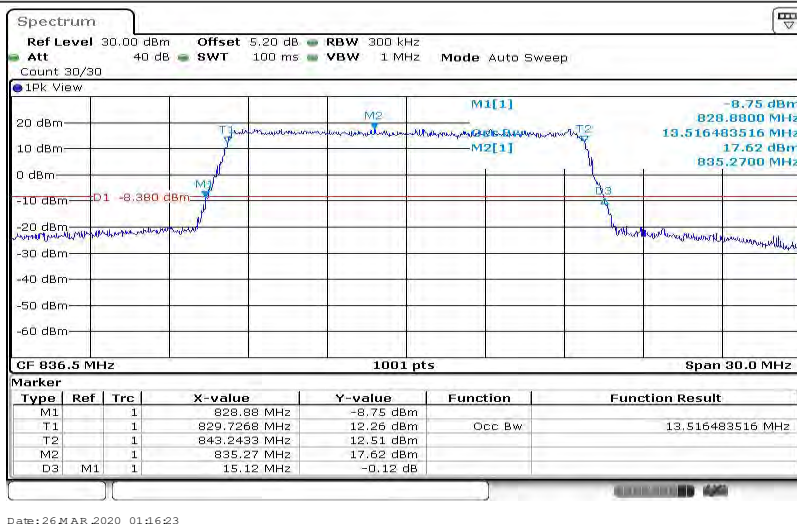


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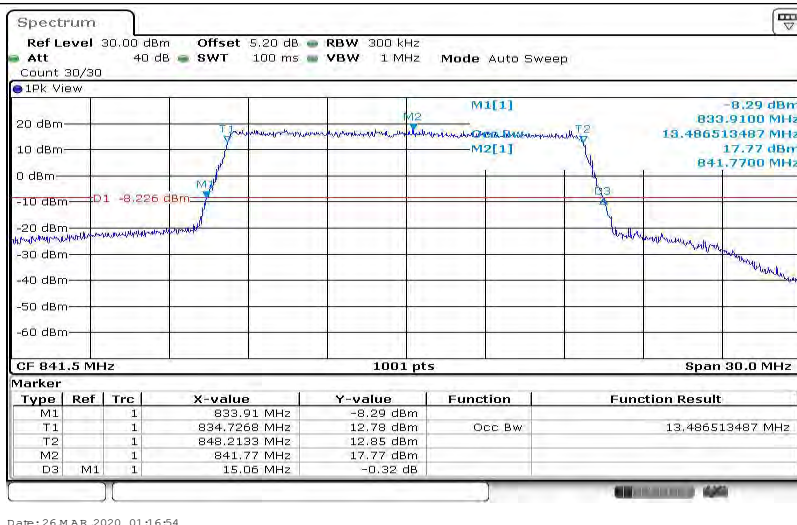


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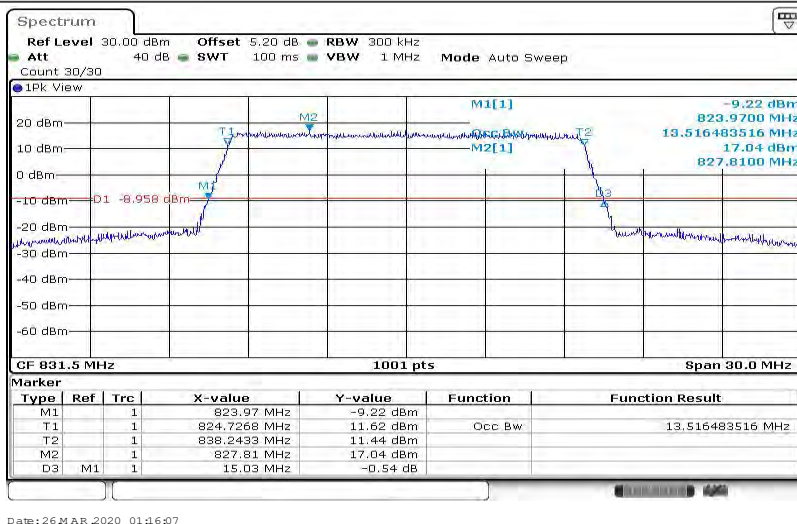


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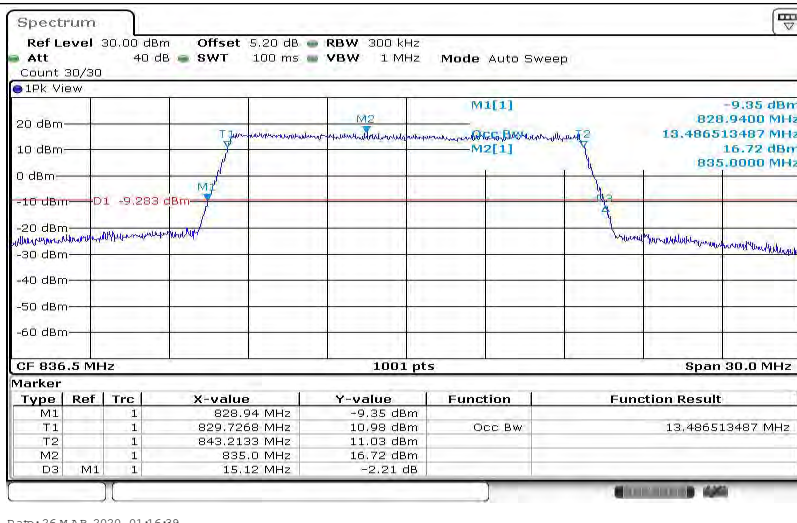


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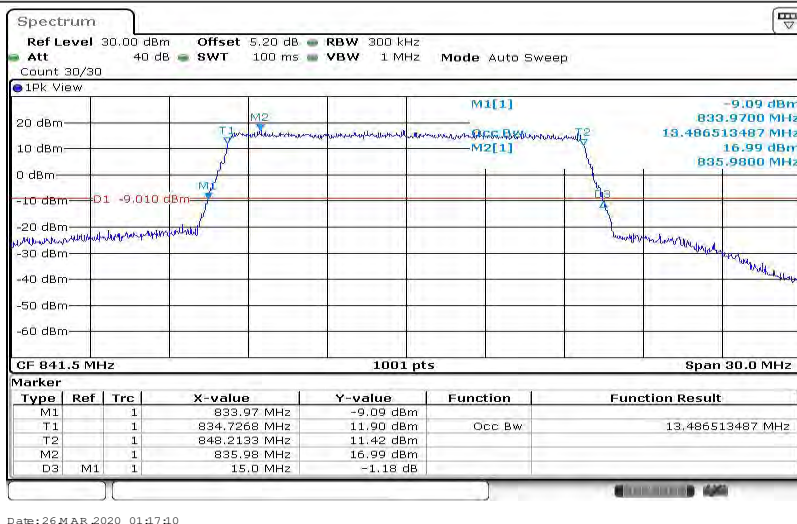


Band26-15MHz-16QAM-26915-75RB#0-13.487





Band26-15MHz-16QAM-26965-75RB#0-13.487

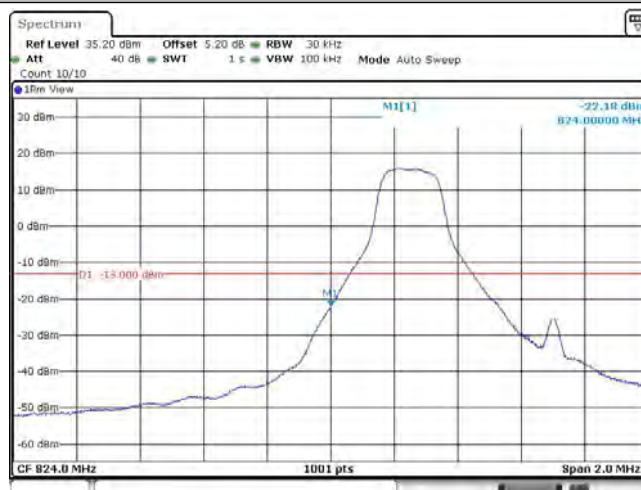




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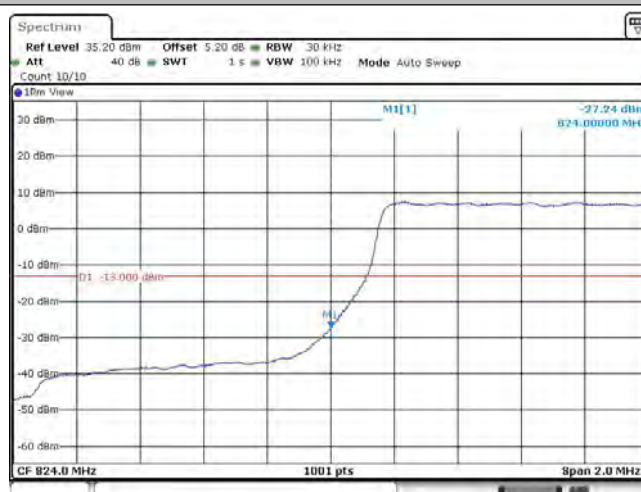
5.1. Test Plots

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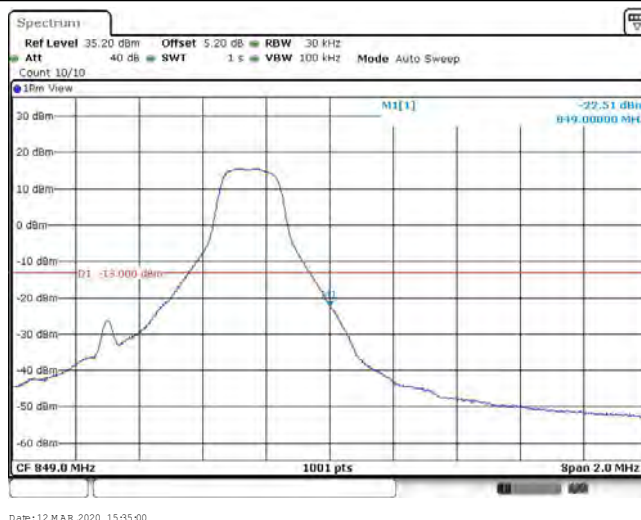
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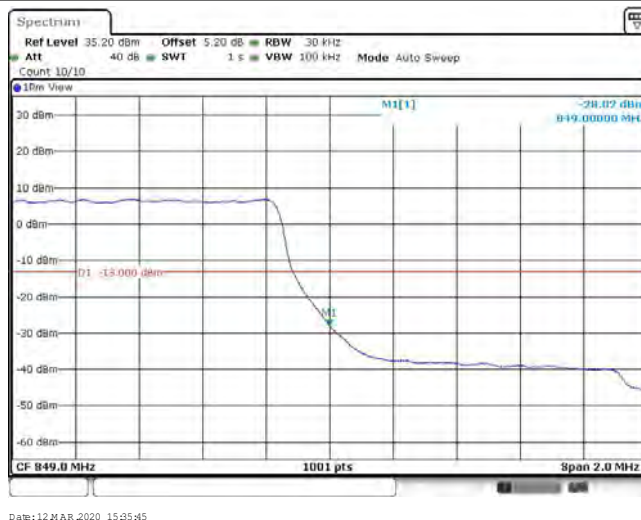
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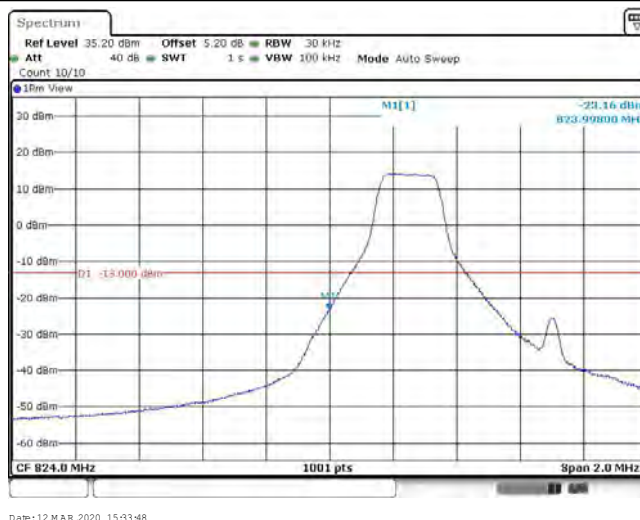


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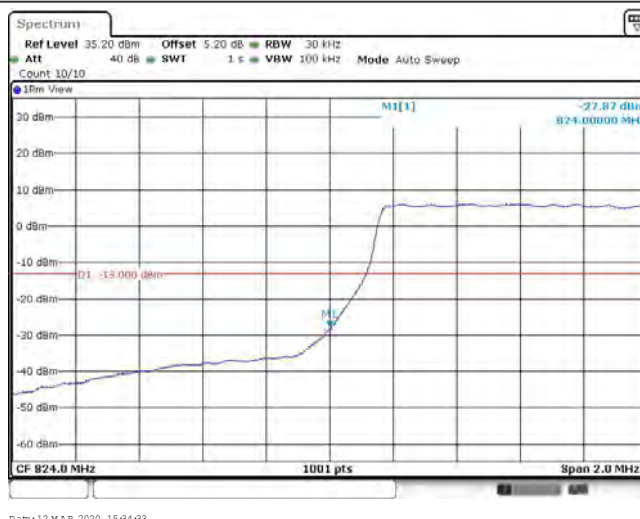


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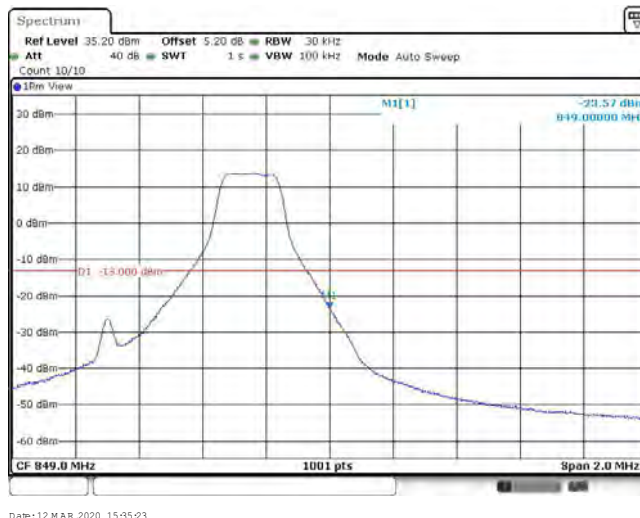


Band26_1.4MHz_16QAM_26797_6RB#0



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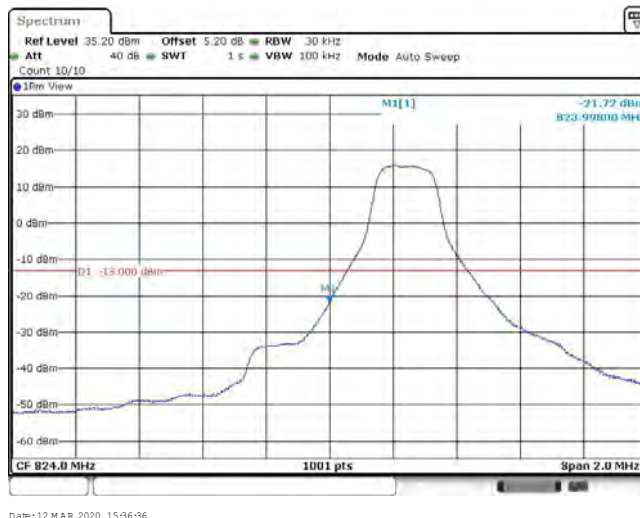


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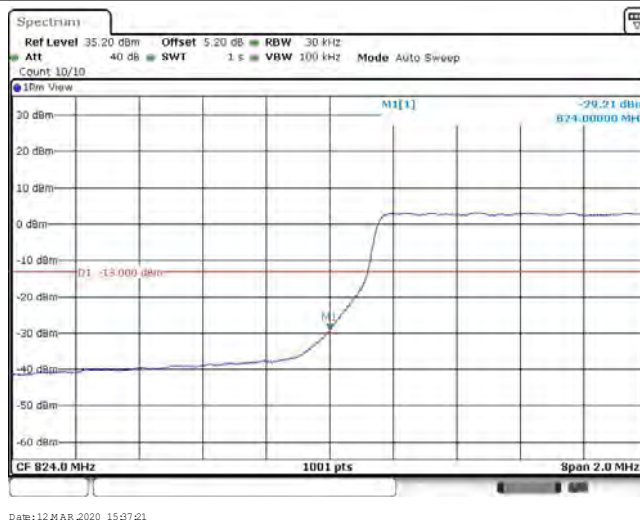


Band26_3MHz_QPSK_26805_1RB#0





Band26_3MHz_QPSK_26805_15RB#0

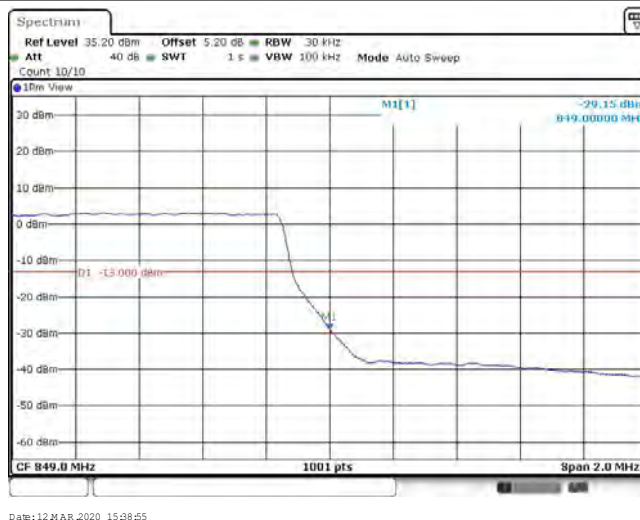


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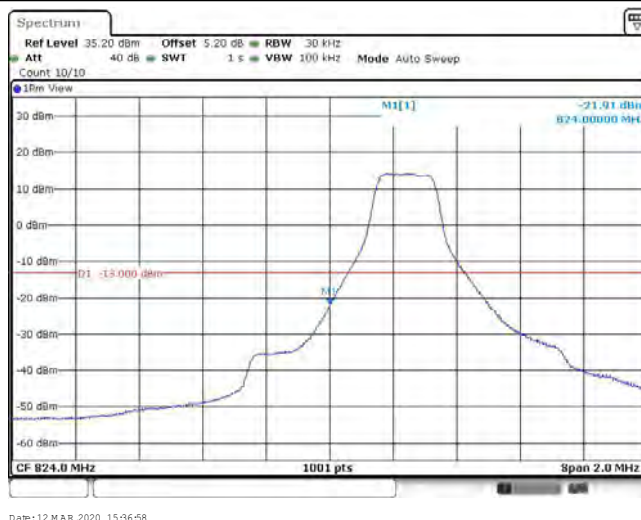


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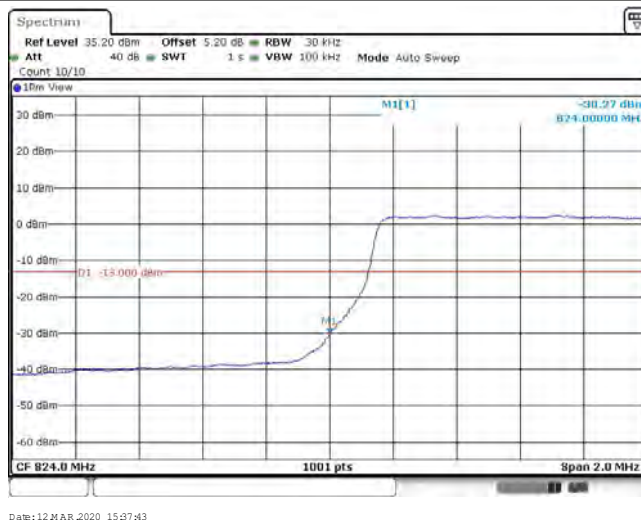


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Band26_3MHz_16QAM_26805_15RB#0

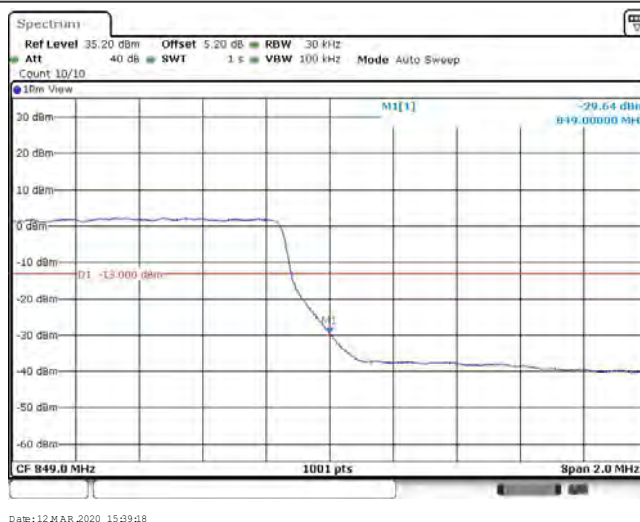


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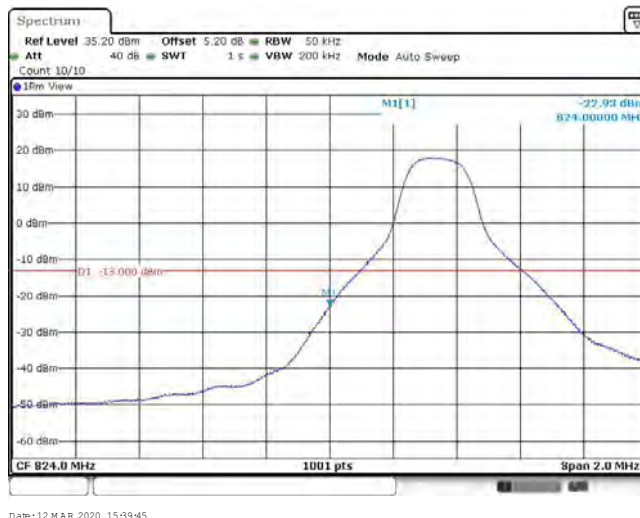


Band26_3MHz_16QAM_26915_15RB#0



Band26_5MHz_QPSK_26815_1RB#0





Band26_5MHz_QPSK_26815_25RB#0

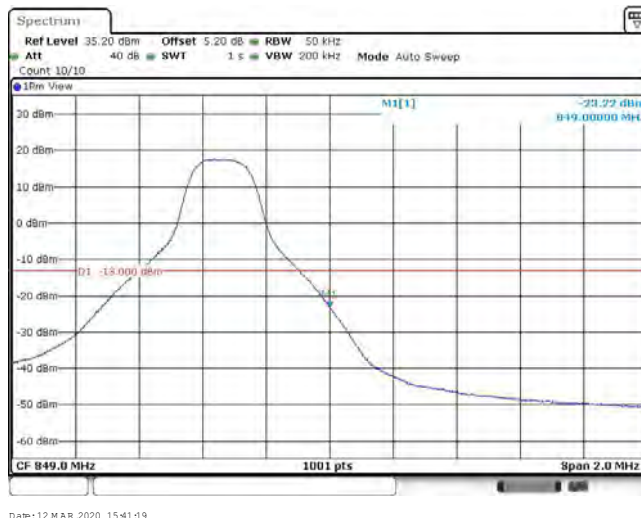


Band26_5MHz_QPSK_27015_1RB#24



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Date: 12 MAR 2020 15:11:19

Band26_5MHz_QPSK_27015_25RB#0



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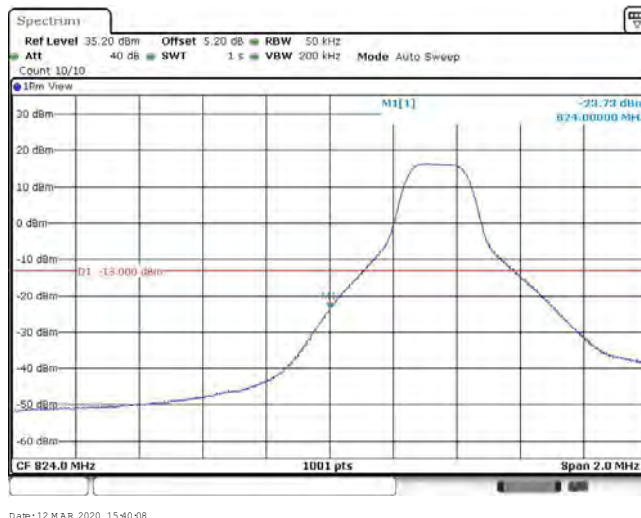
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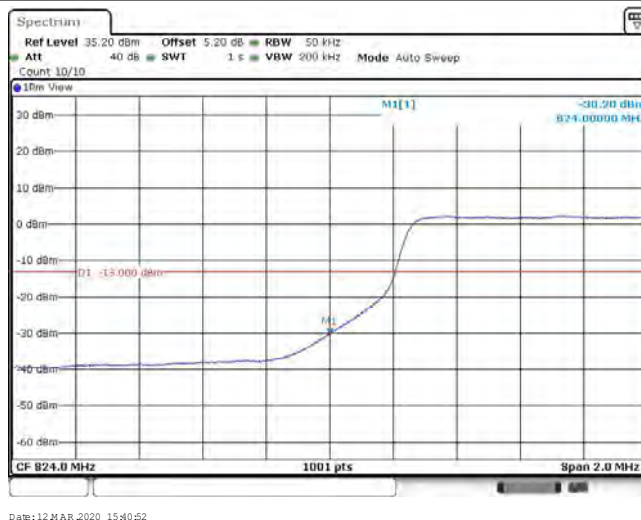
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (CMAA) Calibration Laboratory

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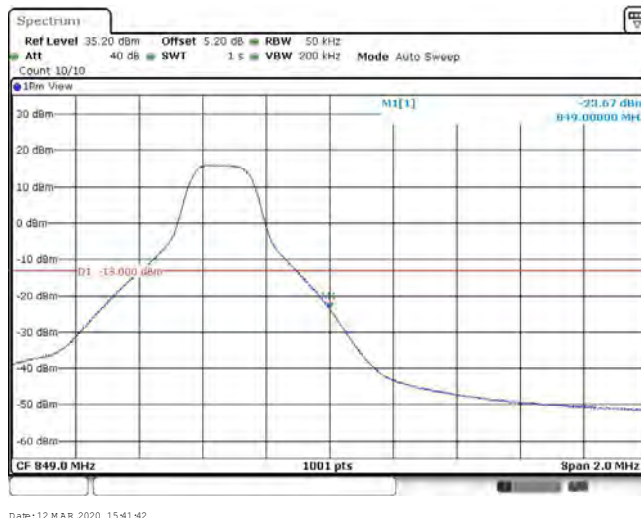


Band26_5MHz_16QAM_26815_25RB#0

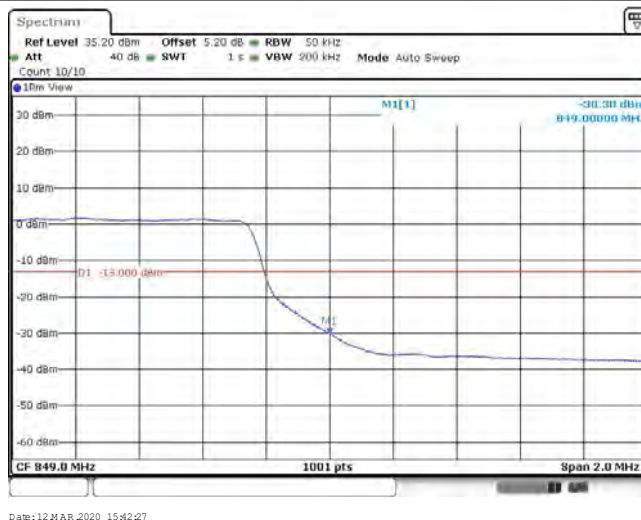


Band26_5MHz_16QAM_27015_1RB#24





Band26_5MHz_16QAM_27015_25RB#0



Band26_10MHz_QPSK_20450_1RB#0

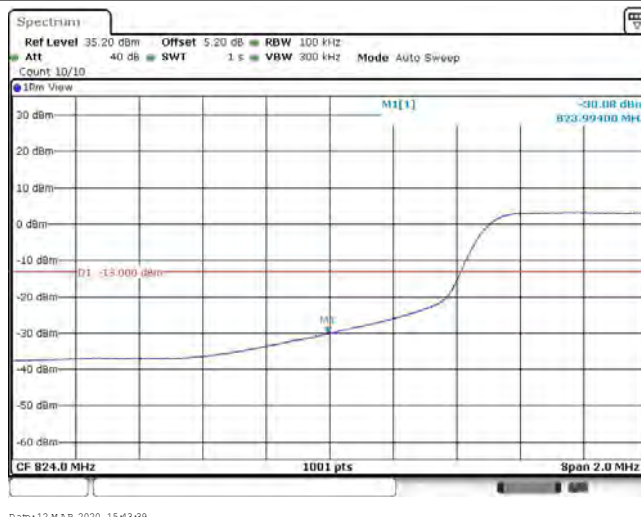


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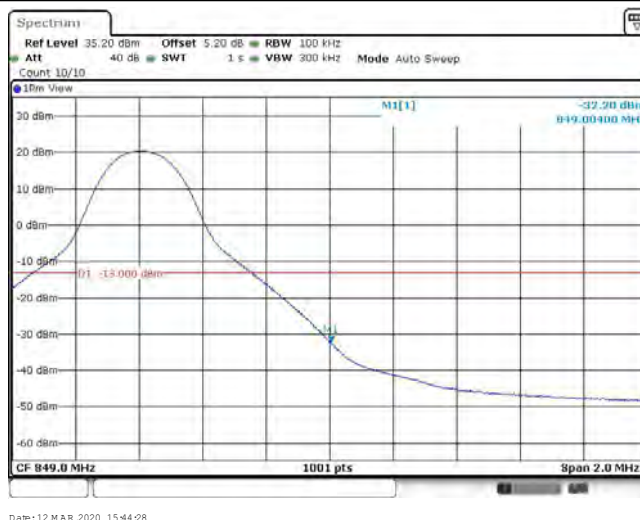


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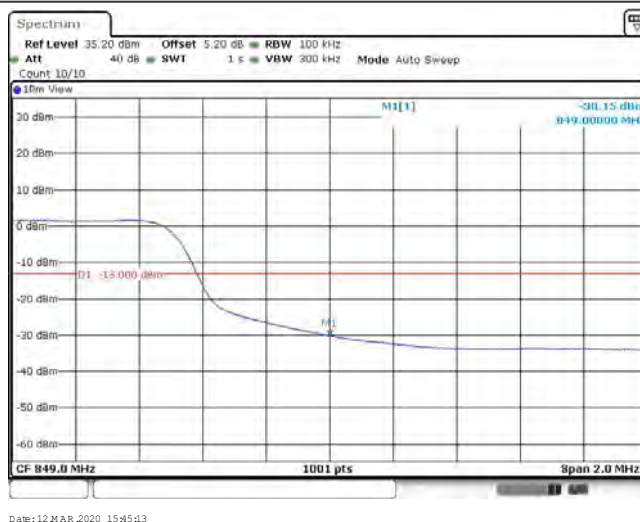


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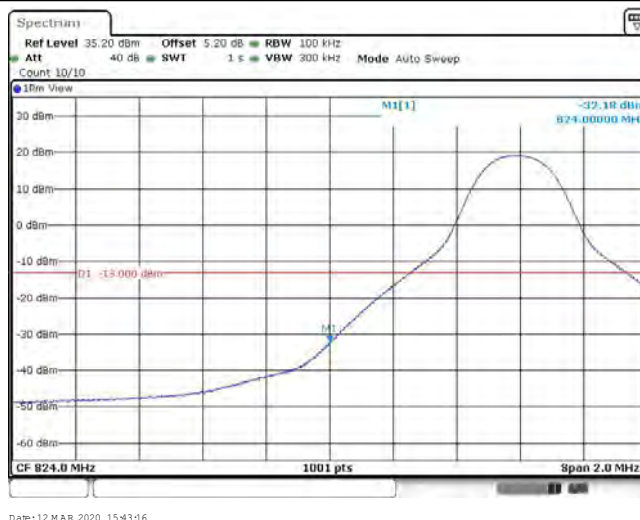


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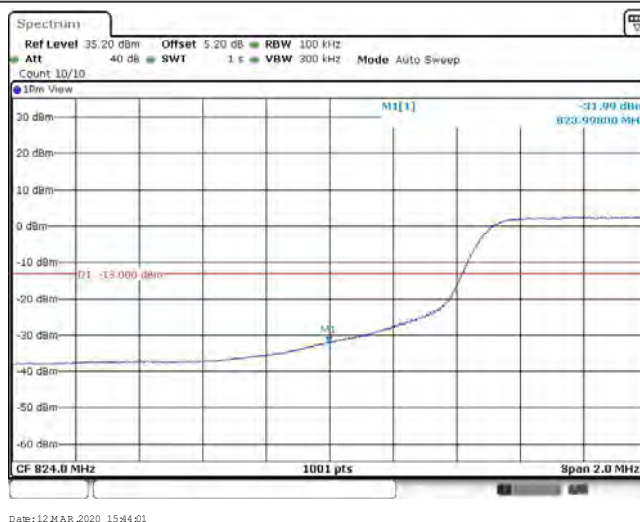


Band26_10MHz_16QAM_20450_1RB#0



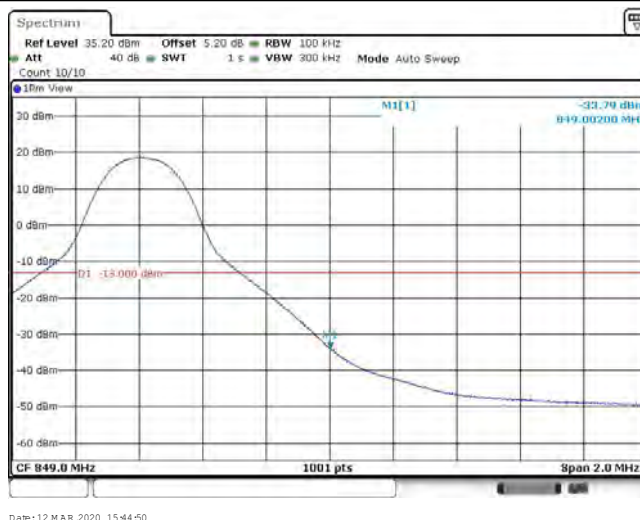


Band26_10MHz_16QAM_20450_50RB#0

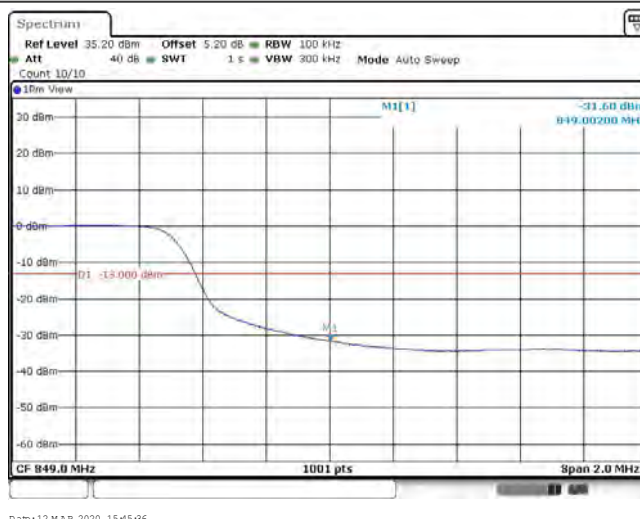


Band26_10MHz_16QAM_26990_1RB#49





Band26_10MHz_16QAM_26990_50RB#0



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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Band 26_15MHz_QPSK_26965_75RB#0



Band 26_15MHz_16QAM_26865_1RB#0



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Band 26_15MHz_16QAM_26865_75RB#0



Band 26_15MHz_16QAM_26965_1RB#74



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Band 26_15MHz_16QAM_26965_75RB#0



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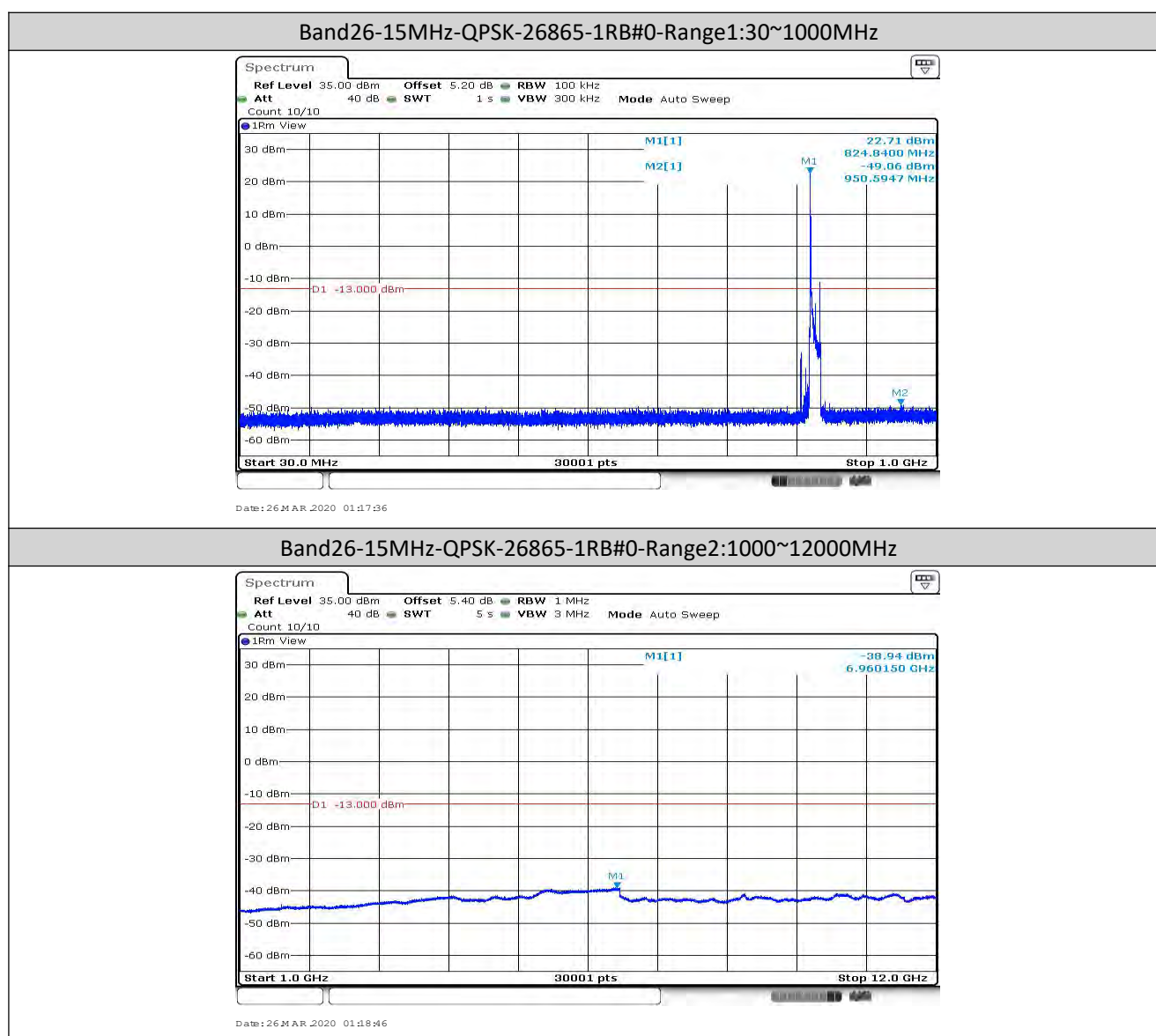


6. Spurious Emission at Antenna Terminal

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



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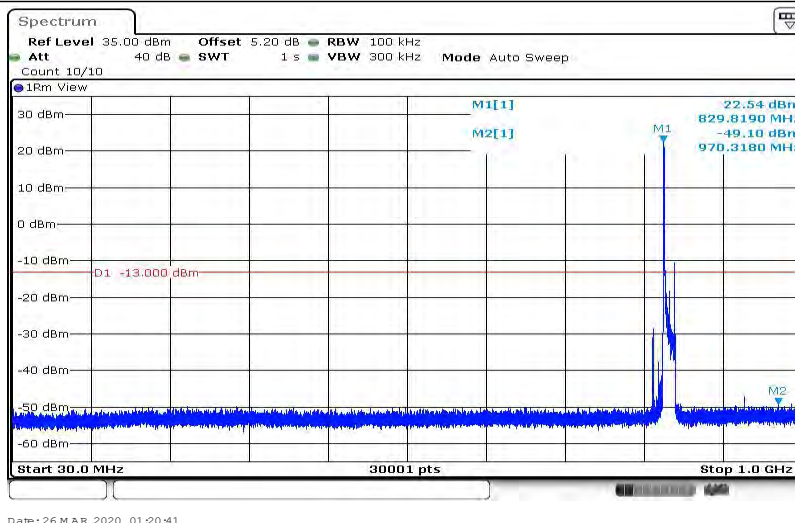
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Shenzhen Branch

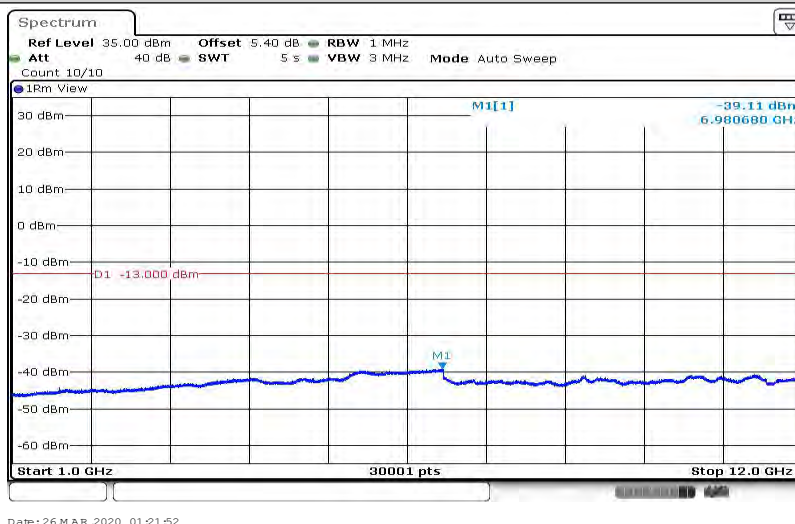
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Band26-15MHz-QPSK-26915-1RB#0-Range1:30~1000MHz

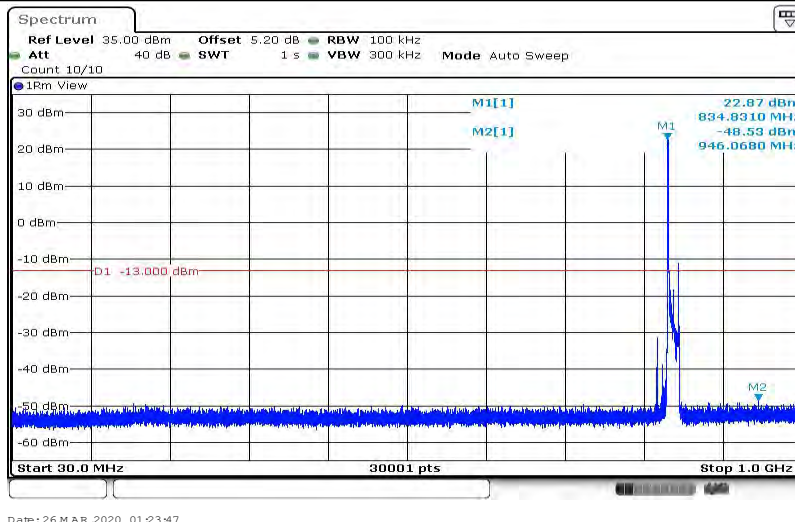


Band26-15MHz-QPSK-26915-1RB#0-Range2:1000~12000MHz

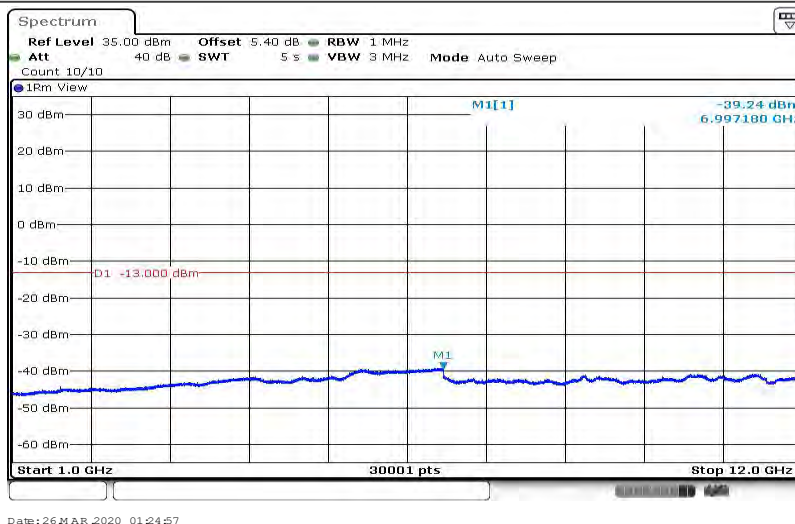


Band26-15MHz-QPSK-26965-1RB#0-Range1:30~1000MHz



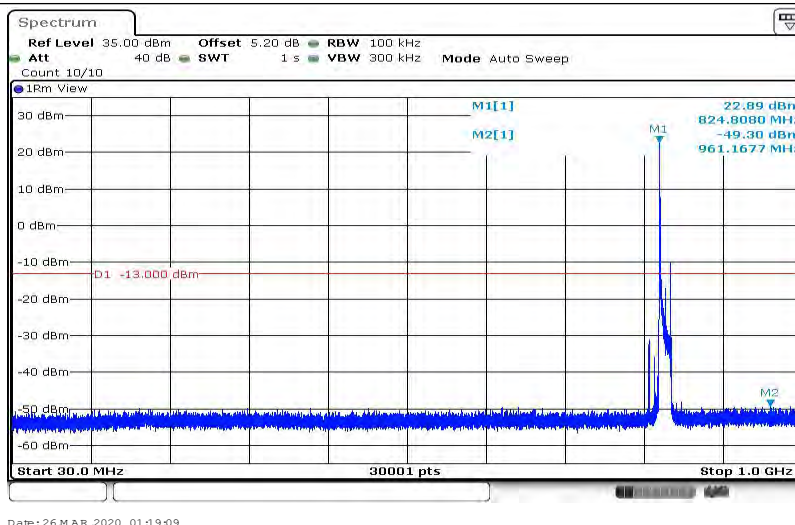


Band26-15MHz-QPSK-26965-1RB#0-Range2:1000~12000MHz

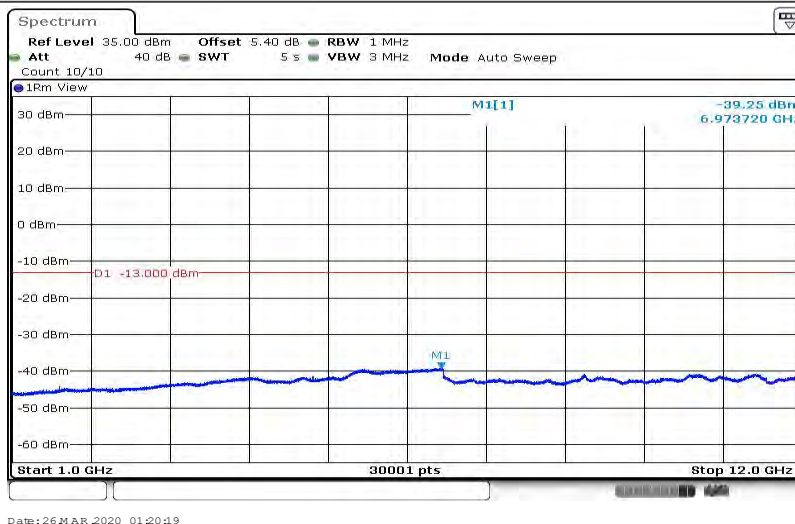


Band26-15MHz-16QAM-26865-1RB#0-Range1:30~1000MHz



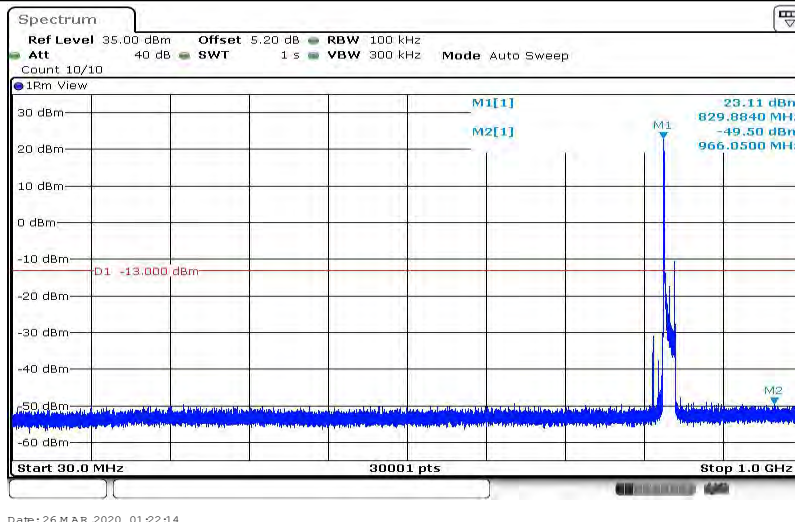


Band26-15MHz-16QAM-26865-1RB#0-Range2:1000~12000MHz

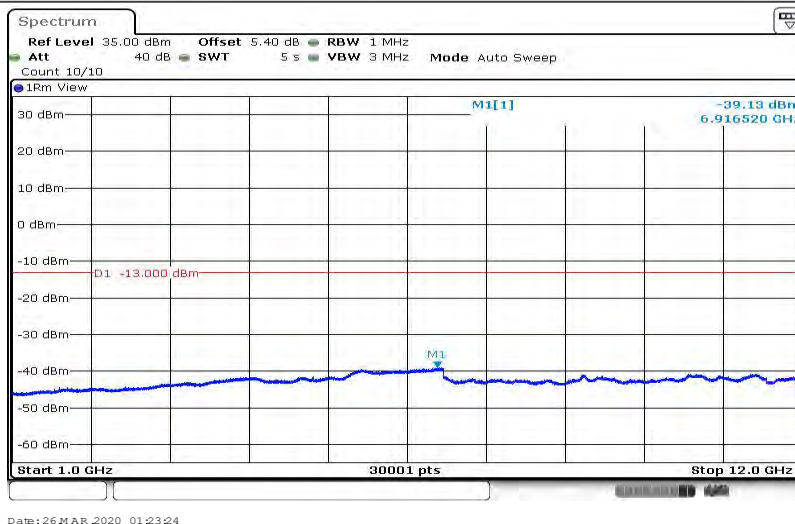


Band26-15MHz-16QAM-26915-1RB#0-Range1:30~1000MHz



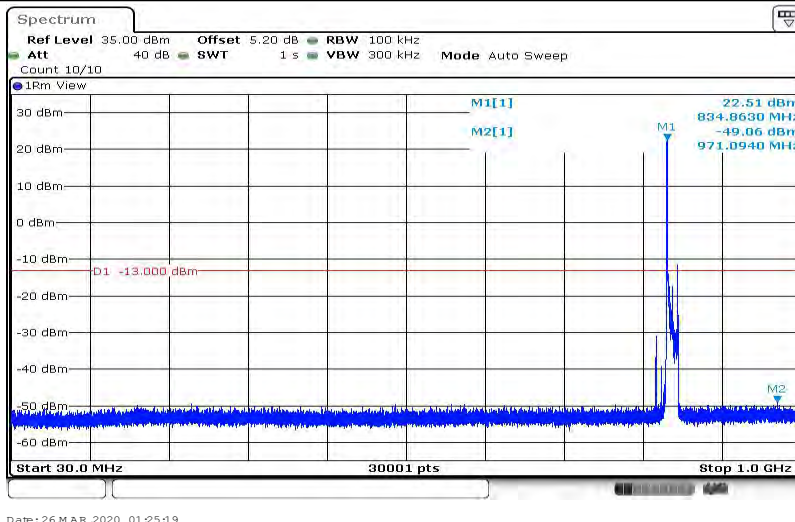


Band26-15MHz-16QAM-26915-1RB#0-Range2:1000~12000MHz

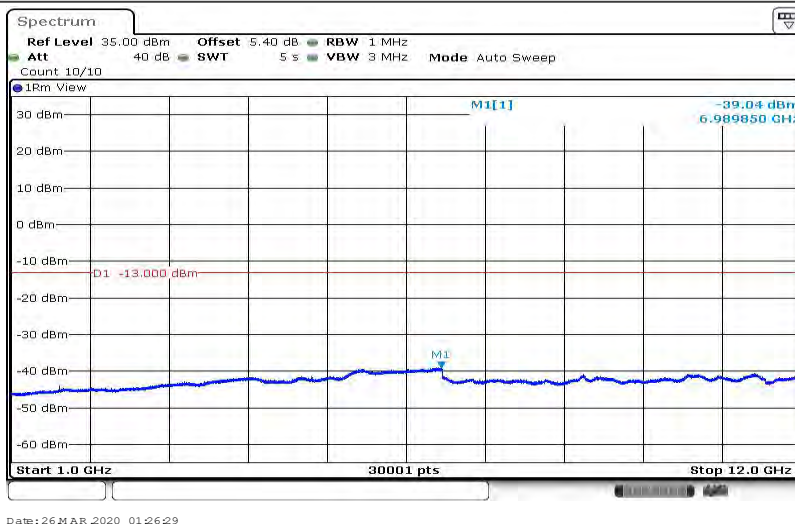


Band26-15MHz-16QAM-26965-1RB#0-Range1:30~1000MHz





Band26-15MHz-16QAM-26965-1RB#0-Range2:1000~12000MHz





7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 26

7.1.1. Test Mode = LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.52678	-69.84	-13.00	56.84	Vertical
109.8744	-60.34	-13.00	47.34	Vertical
368.9757	-65.02	-13.00	52.02	Vertical
1651.484	-57.24	-13.00	44.24	Vertical
2993.769	-55.49	-13.00	42.49	Vertical
8826.653	-54.37	-13.00	41.37	Vertical
40.63752	-61.84	-13.00	48.84	Horizontal
112.7114	-67.57	-13.00	54.57	Horizontal
235.1046	-65.10	-13.00	52.10	Horizontal
1651.453	-49.92	-13.00	36.92	Horizontal
2696.089	-55.64	-13.00	42.64	Horizontal
8799.568	-54.71	-13.00	41.71	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
102.5495	-61.88	-13.00	48.88	Vertical
403.5458	-64.85	-13.00	51.85	Vertical
1664.36	-54.60	-13.00	41.60	Vertical
3000.8	-55.53	-13.00	42.53	Vertical
5986.409	-60.77	-13.00	47.77	Vertical
8835.869	-54.04	-13.00	41.04	Vertical
46.04905	-61.99	-13.00	48.99	Horizontal
231.584	-64.74	-13.00	51.74	Horizontal
542.924	-61.39	-13.00	48.39	Horizontal
1664.534	-46.90	-13.00	33.90	Horizontal
2701.177	-55.07	-13.00	42.07	Horizontal
8626.119	-55.65	-13.00	42.65	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.86104	-69.98	-13.00	56.98	Vertical
110.7666	-60.89	-13.00	47.89	Vertical
411.8344	-65.13	-13.00	52.13	Vertical
1679.223	-56.43	-13.00	43.43	Vertical
2584.217	-54.86	-13.00	41.86	Vertical
8788.948	-53.89	-13.00	40.89	Vertical
44.78042	-61.55	-13.00	48.55	Horizontal
228.8397	-65.47	-13.00	52.47	Horizontal
1679.611	-51.67	-13.00	38.67	Horizontal
2698.82	-55.42	-13.00	42.42	Horizontal
5077.533	-60.77	-13.00	47.77	Horizontal
8799.877	-54.72	-13.00	41.72	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	1.00	0.001203	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	1.10	0.001323	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	1.20	0.001443	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	1.40	0.001674	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	1.40	0.001674	±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	-1.20	-0.001426	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	-1.50	-0.001783	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	-1.60	-0.001901	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VL	NT	1.20	0.001443	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VN	NT	1.30	0.001563	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VH	NT	1.00	0.001203	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VL	NT	1.80	0.002152	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VN	NT	1.00	0.001195	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VH	NT	1.80	0.002152	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VL	NT	-2.10	-0.002496	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VN	NT	-2.10	-0.002496	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VH	NT	-1.60	-0.001901	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	NV	-30	2.00	0.002405	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	-20	1.80	0.002165	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	0	1.50	0.001804	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	10	1.40	0.001684	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	20	1.10	0.001323	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	1.70	0.002044	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	1.30	0.001563	±2.5	PASS



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Band26	15MHz	QPSK	26865	75RB#0	NV	50	0.90	0.001082	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	1.50	0.001793	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	1.20	0.001435	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	1.20	0.001435	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	1.20	0.001435	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	2.10	0.002510	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	30	1.70	0.002032	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	40	1.40	0.001674	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	50	1.70	0.002032	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	-1.80	-0.002139	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-1.60	-0.001901	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	-0.70	-0.000832	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	10	-2.30	-0.002733	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	-1.20	-0.001426	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	-1.80	-0.002139	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	40	-0.70	-0.000832	±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	1.50	0.001804	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-20	1.90	0.002285	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	0	1.20	0.001443	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	10	1.30	0.001563	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	20	1.30	0.001563	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	30	2.30	0.002766	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	40	1.10	0.001323	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	50	1.60	0.001924	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-30	1.00	0.001195	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-20	1.40	0.001674	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	0	1.80	0.002152	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	10	1.80	0.002152	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	20	1.00	0.001195	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	30	1.40	0.001674	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	40	1.50	0.001793	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	50	0.90	0.001076	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-30	-1.00	-0.001188	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-20	-2.20	-0.002614	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	0	-1.60	-0.001901	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	10	-1.50	-0.001783	±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	30	-2.50	-0.002971	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	40	-1.50	-0.001783	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	50	-1.40	-0.001664	±2.5	PASS

The End



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