



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)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	23.04	21.49	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.15	21.60	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.06	21.51	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	23.19	21.64	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	23.15	21.60	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	23.14	21.59	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.26	20.71	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	22.99	21.44	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.01	21.46	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.12	21.57	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	23.10	21.55	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	23.06	21.51	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	23.08	21.53	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.10	20.55	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.06	21.51	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.95	21.40	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.98	21.43	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	23.11	21.56	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	23.05	21.50	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	23.05	21.50	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.12	20.57	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.40	20.85	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.37	20.82	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.63	21.08	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	22.39	20.84	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	22.45	20.90	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	22.37	20.82	PASS



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Band26	1.4MHz	16QAM	26797	6RB#0	21.34	19.79	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.46	20.91	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.50	20.95	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.40	20.85	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	22.31	20.76	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	22.24	20.69	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	22.29	20.74	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.26	19.71	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.31	20.76	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.22	20.67	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.21	20.66	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.24	20.69	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.23	20.68	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	22.14	20.59	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.21	19.66	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.13	21.58	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.27	21.72	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.16	21.61	PASS
Band26	3MHz	QPSK	26805	8RB#4	22.35	20.80	PASS
Band26	3MHz	QPSK	26805	8RB#7	22.26	20.71	PASS
Band26	3MHz	QPSK	26805	8RB#0	22.22	20.67	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.28	20.73	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.13	21.58	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.23	21.68	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.08	21.53	PASS
Band26	3MHz	QPSK	26915	8RB#7	22.26	20.71	PASS
Band26	3MHz	QPSK	26915	8RB#4	22.27	20.72	PASS
Band26	3MHz	QPSK	26915	8RB#0	22.19	20.64	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.25	20.70	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.16	21.61	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.05	21.50	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.10	21.55	PASS
Band26	3MHz	QPSK	27025	8RB#4	22.20	20.65	PASS



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Band26	3MHz	QPSK	27025	8RB#7	22.14	20.59	PASS
Band26	3MHz	QPSK	27025	8RB#0	22.17	20.62	PASS
Band26	3MHz	QPSK	27025	15RB#0	22.27	20.72	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.51	20.96	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.51	20.96	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.64	21.09	PASS
Band26	3MHz	16QAM	26805	8RB#4	21.44	19.89	PASS
Band26	3MHz	16QAM	26805	8RB#7	21.37	19.82	PASS
Band26	3MHz	16QAM	26805	8RB#0	21.34	19.79	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.35	19.80	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.64	21.09	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.40	20.85	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.49	20.94	PASS
Band26	3MHz	16QAM	26915	8RB#0	21.34	19.79	PASS
Band26	3MHz	16QAM	26915	8RB#4	21.35	19.80	PASS
Band26	3MHz	16QAM	26915	8RB#7	21.36	19.81	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.25	19.70	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.36	20.81	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.31	20.76	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.45	20.90	PASS
Band26	3MHz	16QAM	27025	8RB#7	21.23	19.68	PASS
Band26	3MHz	16QAM	27025	8RB#4	21.28	19.73	PASS
Band26	3MHz	16QAM	27025	8RB#0	21.25	19.70	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.22	19.67	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.18	21.63	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.22	21.67	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.18	21.63	PASS
Band26	5MHz	QPSK	26815	12RB#13	22.27	20.72	PASS
Band26	5MHz	QPSK	26815	12RB#6	22.33	20.78	PASS
Band26	5MHz	QPSK	26815	12RB#0	22.27	20.72	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.30	20.75	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.12	21.57	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.14	21.59	PASS



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Band26	5MHz	QPSK	26915	1RB#24	23.11	21.56	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.25	20.70	PASS
Band26	5MHz	QPSK	26915	12RB#13	22.26	20.71	PASS
Band26	5MHz	QPSK	26915	12RB#0	22.25	20.70	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.21	20.66	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.05	21.50	PASS
Band26	5MHz	QPSK	27015	1RB#12	23.15	21.60	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.13	21.58	PASS
Band26	5MHz	QPSK	27015	12RB#0	22.15	20.60	PASS
Band26	5MHz	QPSK	27015	12RB#13	22.22	20.67	PASS
Band26	5MHz	QPSK	27015	12RB#6	22.26	20.71	PASS
Band26	5MHz	QPSK	27015	25RB#0	22.18	20.63	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.60	21.05	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.52	20.97	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.62	21.07	PASS
Band26	5MHz	16QAM	26815	12RB#0	21.33	19.78	PASS
Band26	5MHz	16QAM	26815	12RB#13	21.41	19.86	PASS
Band26	5MHz	16QAM	26815	12RB#6	21.41	19.86	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.34	19.79	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.49	20.94	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.64	21.09	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.60	21.05	PASS
Band26	5MHz	16QAM	26915	12RB#6	21.36	19.81	PASS
Band26	5MHz	16QAM	26915	12RB#0	21.30	19.75	PASS
Band26	5MHz	16QAM	26915	12RB#13	21.41	19.86	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.26	19.71	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.43	20.88	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.29	20.74	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.30	20.75	PASS
Band26	5MHz	16QAM	27015	12RB#13	21.20	19.65	PASS
Band26	5MHz	16QAM	27015	12RB#0	21.23	19.68	PASS
Band26	5MHz	16QAM	27015	12RB#6	21.33	19.78	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.18	19.63	PASS



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Band26	10MHz	QPSK	26840	1RB#0	23.36	21.81	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.12	21.57	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.03	21.48	PASS
Band26	10MHz	QPSK	26840	25RB#0	22.34	20.79	PASS
Band26	10MHz	QPSK	26840	25RB#12	22.36	20.81	PASS
Band26	10MHz	QPSK	26840	25RB#25	22.29	20.74	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.35	20.80	PASS
Band26	10MHz	QPSK	26915	1RB#49	23.13	21.58	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.35	21.80	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.15	21.60	PASS
Band26	10MHz	QPSK	26915	25RB#0	22.27	20.72	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.33	20.78	PASS
Band26	10MHz	QPSK	26915	25RB#25	22.29	20.74	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.29	20.74	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.05	21.50	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.30	21.75	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.00	21.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	22.24	20.69	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.30	20.75	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.23	20.68	PASS
Band26	10MHz	QPSK	26990	50RB#0	22.26	20.71	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.61	21.06	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.49	20.94	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.56	21.01	PASS
Band26	10MHz	16QAM	26840	25RB#25	21.34	19.79	PASS
Band26	10MHz	16QAM	26840	25RB#12	21.38	19.83	PASS
Band26	10MHz	16QAM	26840	25RB#0	21.33	19.78	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.35	19.80	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.74	21.19	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.56	21.01	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.45	20.90	PASS
Band26	10MHz	16QAM	26915	25RB#0	21.37	19.82	PASS
Band26	10MHz	16QAM	26915	25RB#25	21.32	19.77	PASS



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Band26	10MHz	16QAM	26915	25RB#12	21.38	19.83	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.33	19.78	PASS
Band26	10MHz	16QAM	26990	1RB#0	22.63	21.08	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.19	20.64	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.35	20.80	PASS
Band26	10MHz	16QAM	26990	25RB#0	21.28	19.73	PASS
Band26	10MHz	16QAM	26990	25RB#12	21.29	19.74	PASS
Band26	10MHz	16QAM	26990	25RB#25	21.23	19.68	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.26	19.71	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.28	21.73	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.30	21.75	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.45	21.90	PASS
Band26	15MHz	QPSK	26865	36RB#39	22.39	20.84	PASS
Band26	15MHz	QPSK	26865	36RB#18	22.47	20.92	PASS
Band26	15MHz	QPSK	26865	36RB#0	22.49	20.94	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.44	20.89	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.27	21.72	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.43	21.88	PASS
Band26	15MHz	QPSK	26915	1RB#74	23.30	21.75	PASS
Band26	15MHz	QPSK	26915	36RB#39	22.34	20.79	PASS
Band26	15MHz	QPSK	26915	36RB#0	22.40	20.85	PASS
Band26	15MHz	QPSK	26915	36RB#18	22.44	20.89	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.37	20.82	PASS
Band26	15MHz	QPSK	26965	1RB#74	23.15	21.60	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.46	21.91	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.25	21.70	PASS
Band26	15MHz	QPSK	26965	36RB#18	22.38	20.83	PASS
Band26	15MHz	QPSK	26965	36RB#39	22.27	20.72	PASS
Band26	15MHz	QPSK	26965	36RB#0	22.39	20.84	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.34	20.79	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.61	21.06	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.62	21.07	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.94	21.39	PASS



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Band26	15MHz	16QAM	26865	36RB#0	21.50	19.95	PASS
Band26	15MHz	16QAM	26865	36RB#18	21.49	19.94	PASS
Band26	15MHz	16QAM	26865	36RB#39	21.44	19.89	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.49	19.94	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.65	21.10	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.64	21.09	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.83	21.28	PASS
Band26	15MHz	16QAM	26915	36RB#18	21.48	19.93	PASS
Band26	15MHz	16QAM	26915	36RB#0	21.51	19.96	PASS
Band26	15MHz	16QAM	26915	36RB#39	21.41	19.86	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.46	19.91	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.34	20.79	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.61	21.06	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.84	21.29	PASS
Band26	15MHz	16QAM	26965	36RB#39	21.33	19.78	PASS
Band26	15MHz	16QAM	26965	36RB#18	21.46	19.91	PASS
Band26	15MHz	16QAM	26965	36RB#0	21.40	19.85	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.43	19.88	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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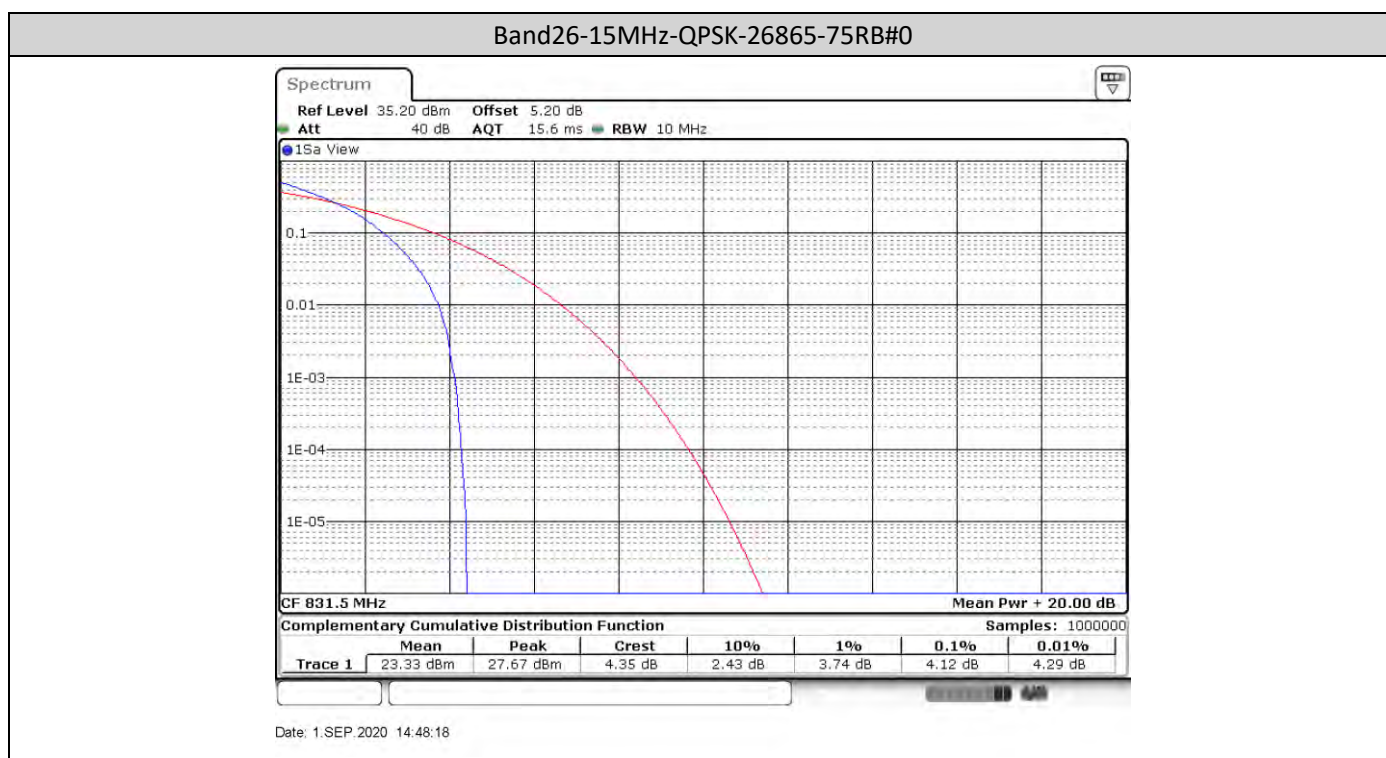


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

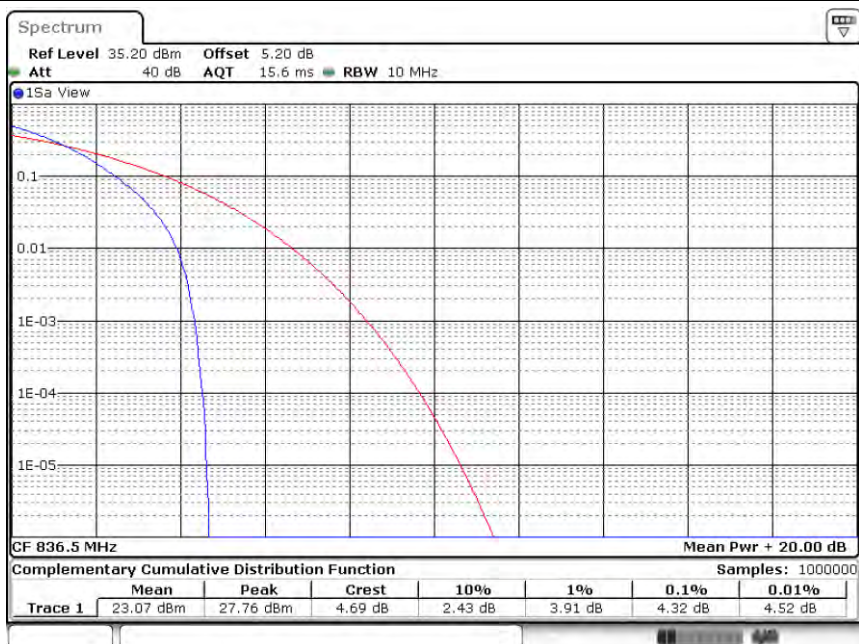
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.12	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.32	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.35	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	5.51	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	5.65	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.65	13	PASS

2.2. Test Plots





Band26-15MHz-QPSK-26915-75RB#0



Date: 1.SEP 2020 14:48:41

Band26-15MHz-QPSK-26965-75RB#0



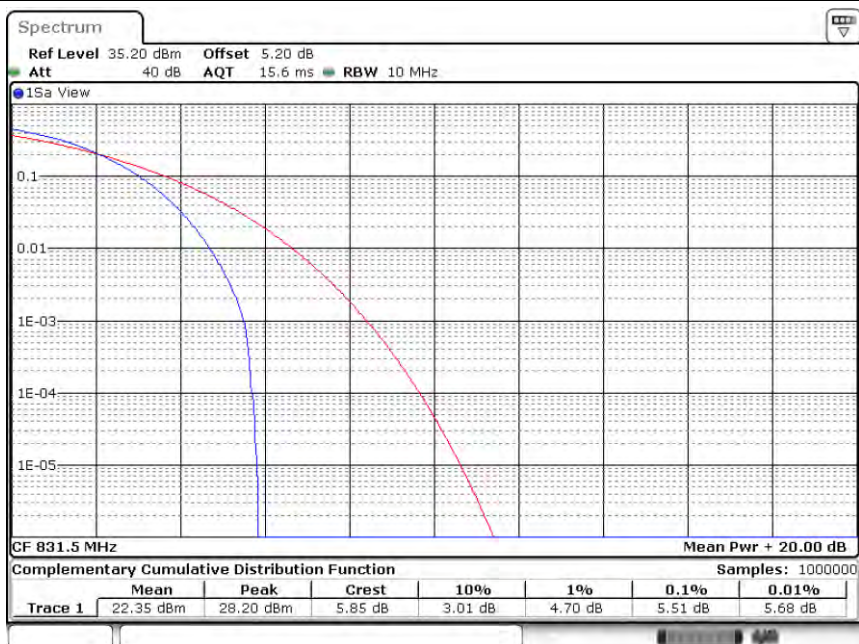
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Band26-15MHz-16QAM-26865-75RB#0



Date: 1.SEP 2020 14:48:30

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



Date: 1.SEP 2020 14:48:52

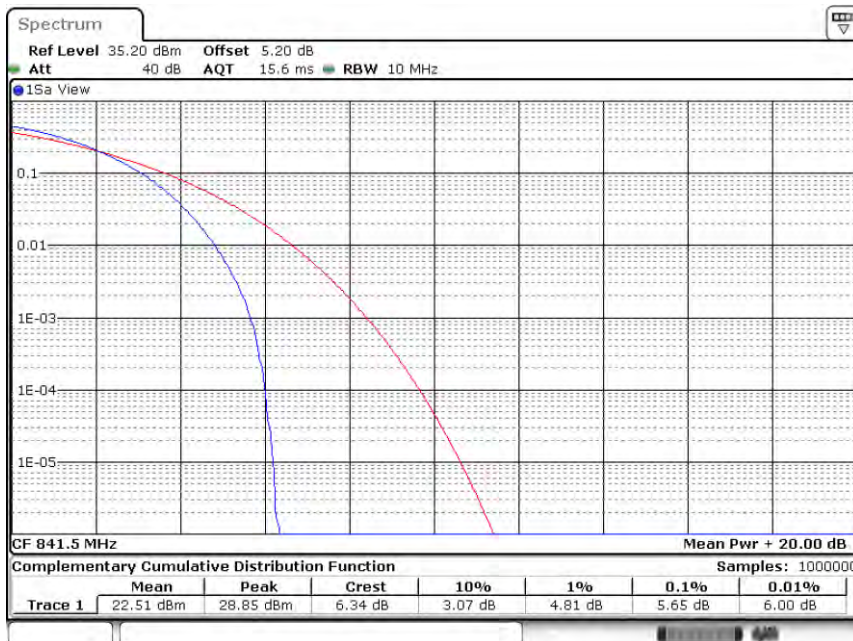


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Band26-15MHz-16QAM-26965-75RB#0



Date: 1.SEP.2020 14:49:15



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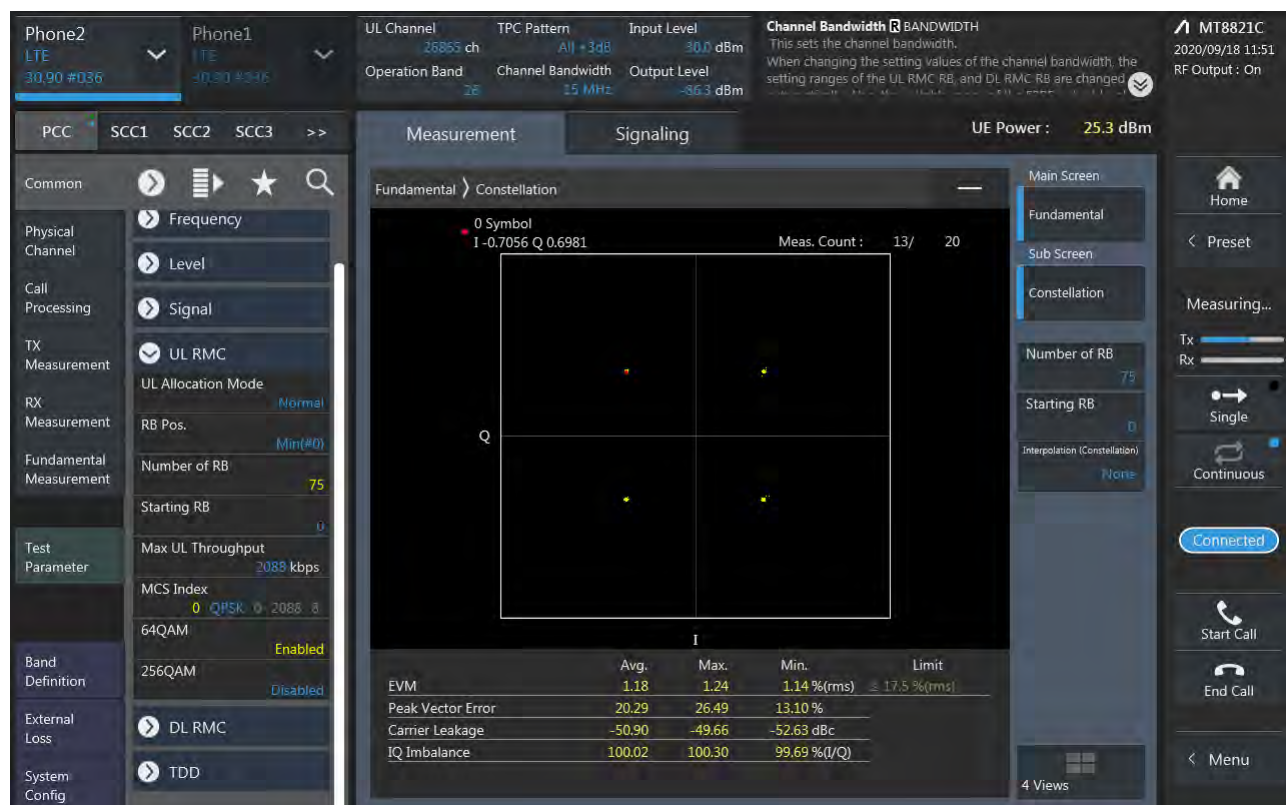
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 15MHz

3.1.1. Test Channel = MCH



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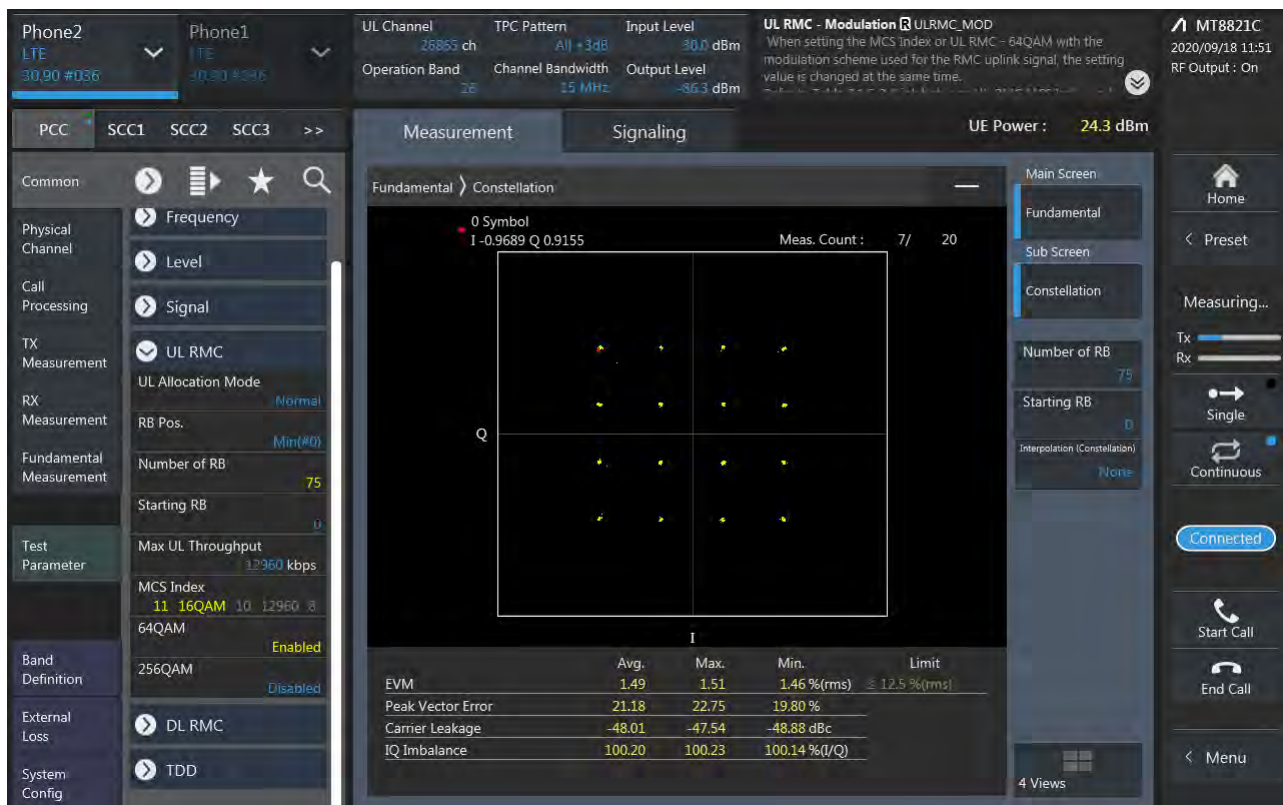
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3.2. Test Mode = LTE /TM2 15MHz

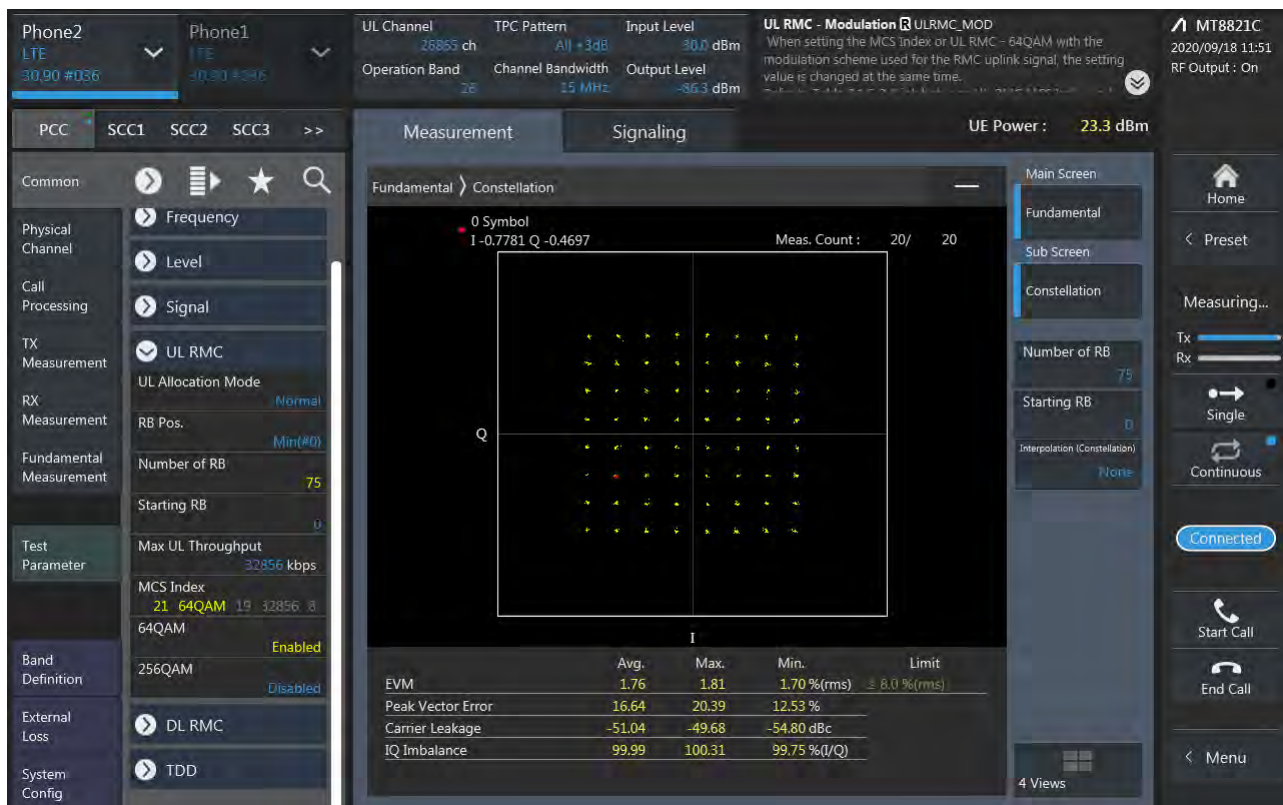
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 15MHz

3.3.1. 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	1.091	1.290	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.091	1.284	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.091	1.293	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.091	1.281	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.091	1.290	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.091	1.299	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.697	2.988	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.691	2.988	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.697	2.994	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.685	2.964	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.685	2.970	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.691	2.970	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.476	4.920	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.476	4.940	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.476	4.920	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.486	4.950	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.476	4.950	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.486	4.950	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.911	9.720	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.931	9.720	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.911	9.640	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.911	9.740	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.911	9.720	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.911	9.720	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.427	14.790	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.427	14.790	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.427	14.820	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.427	14.760	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.427	14.790	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.397	14.760	PASS



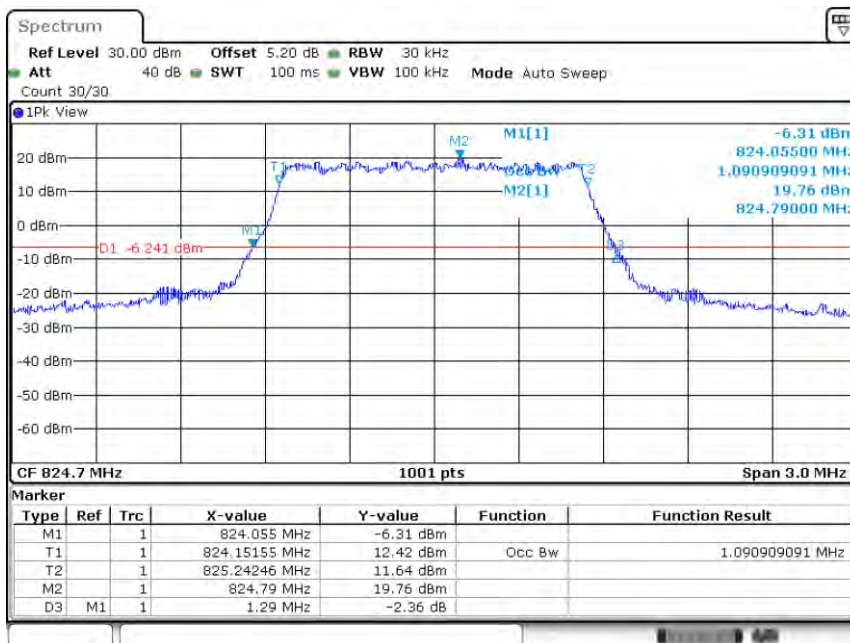
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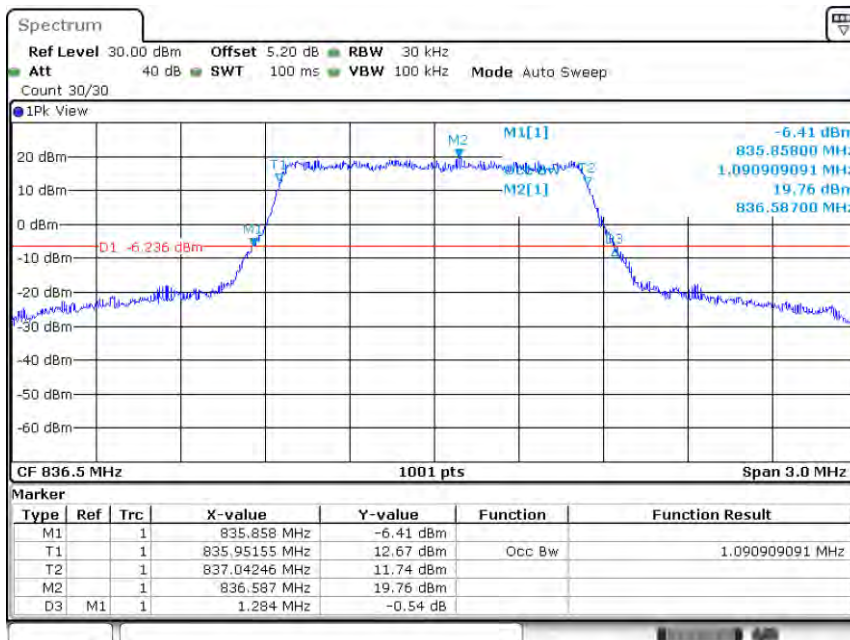
4.2. Test Plots

Band26-1.4MHz-QPSK-26797-6RB#0-1.091



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Band26-1.4MHz-QPSK-26915-6RB#0-1.091



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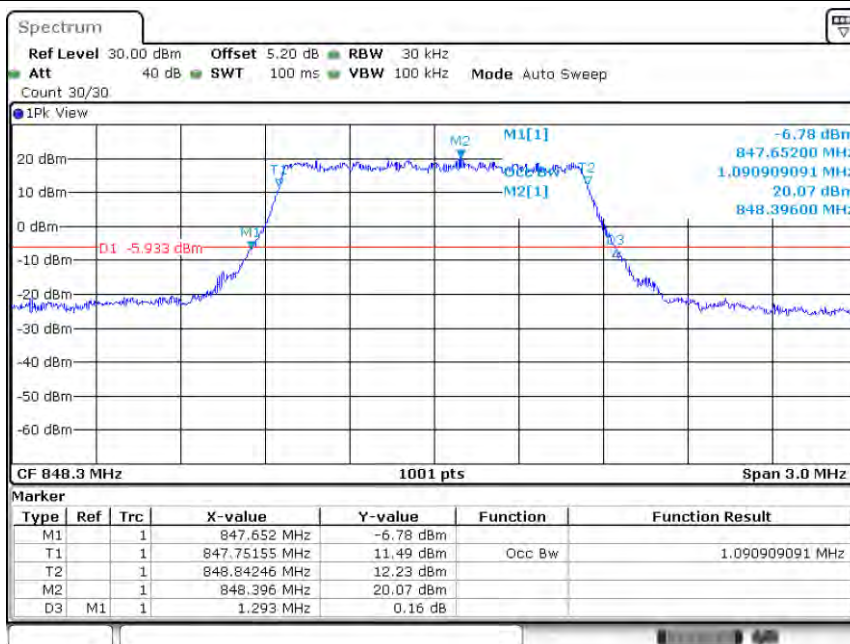


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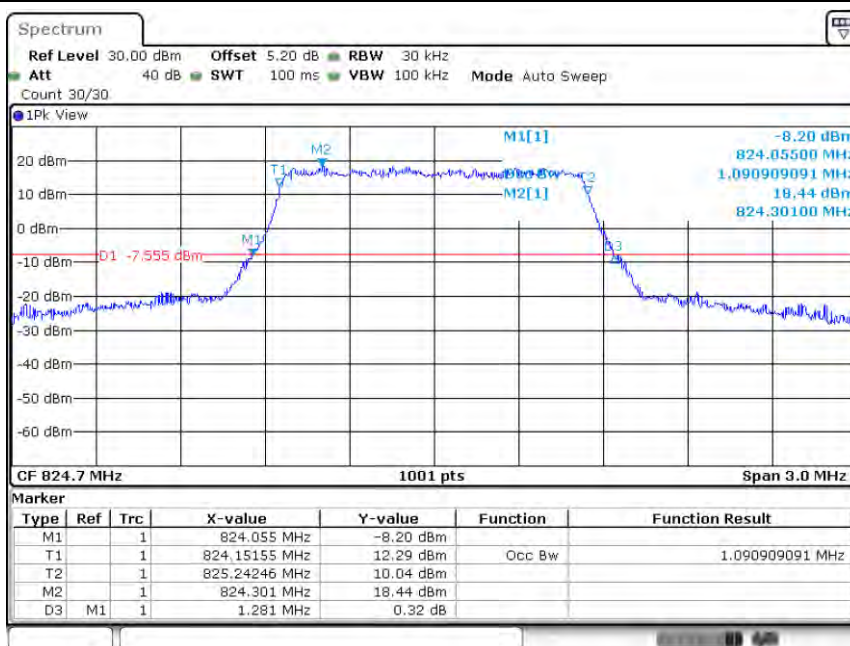


Band26-1.4MHz-QPSK-27033-6RB#0-1.091



Date: 1.SEP.2020 12:13:38

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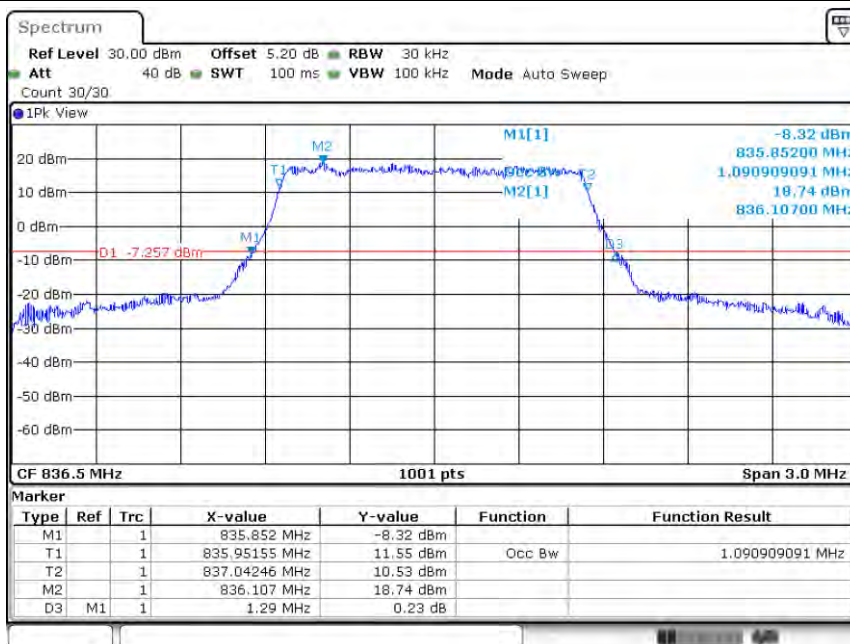


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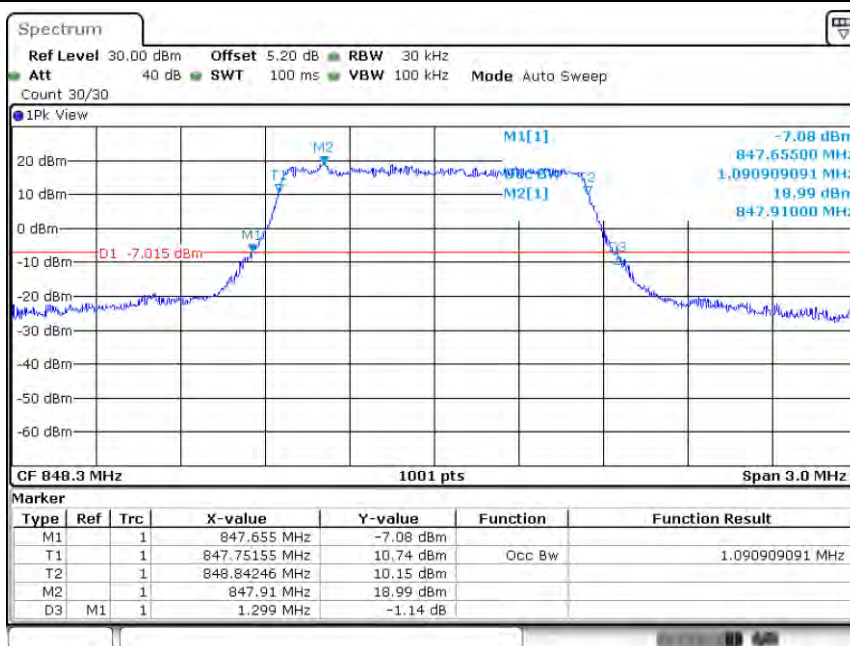


Band26-1.4MHz-16QAM-26915-6RB#0-1.091



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Band26-1.4MHz-16QAM-27033-6RB#0-1.091



Date: 1.SEP.2020 12:13:51



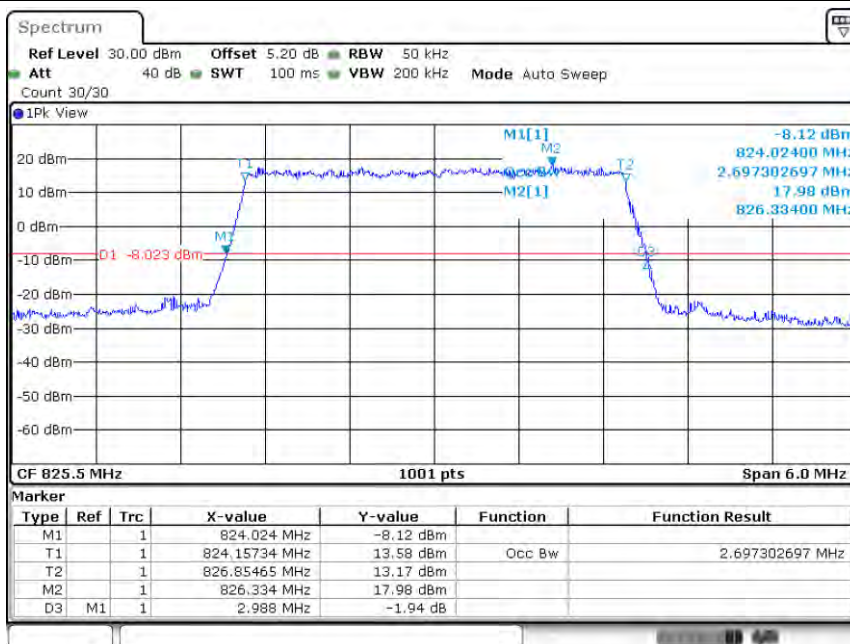
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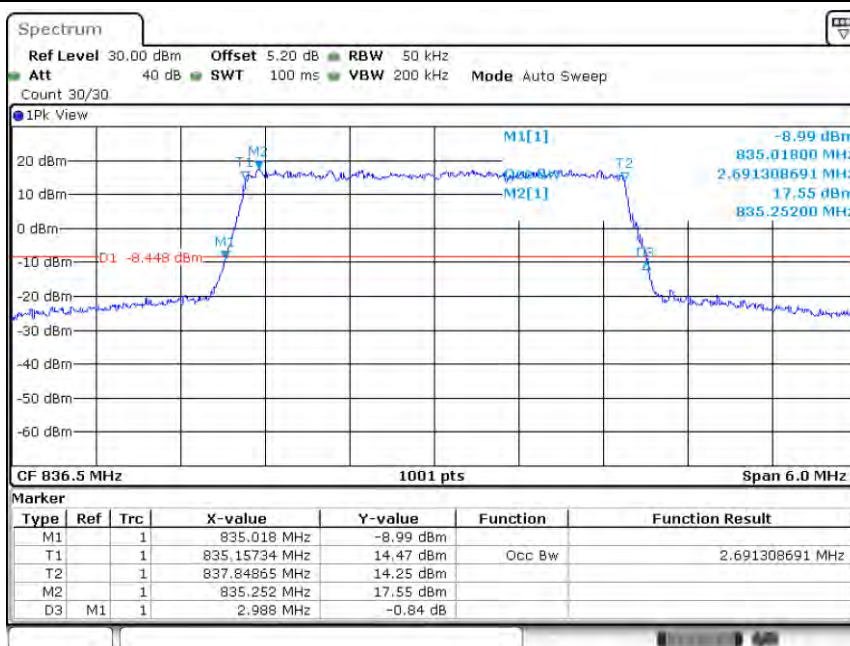


Band26-3MHz-QPSK-26805-15RB#0-2.697



Date: 1.SEP.2020 12:14:08

Band26-3MHz-QPSK-26915-15RB#0-2.691



Date: 1.SEP.2020 12:14:34

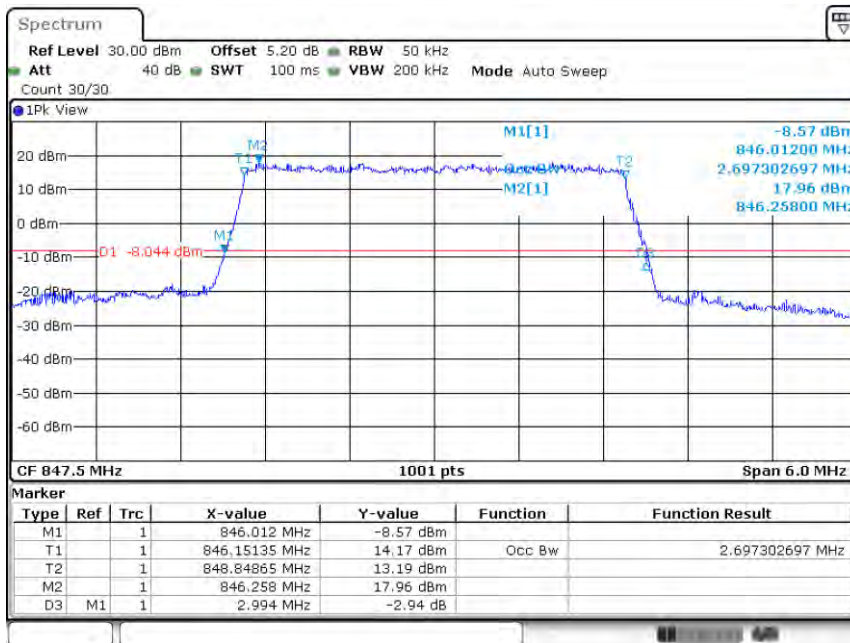


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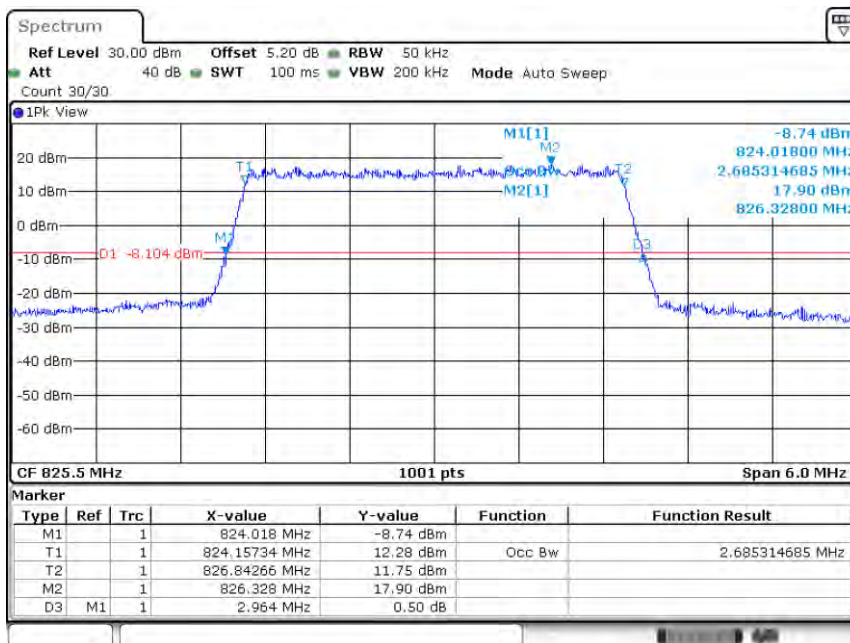


Band26-3MHz-QPSK-27025-15RB#0-2.697



Date: 1.SEP.2020 12:14:59

Band26-3MHz-16QAM-26805-15RB#0-2.685



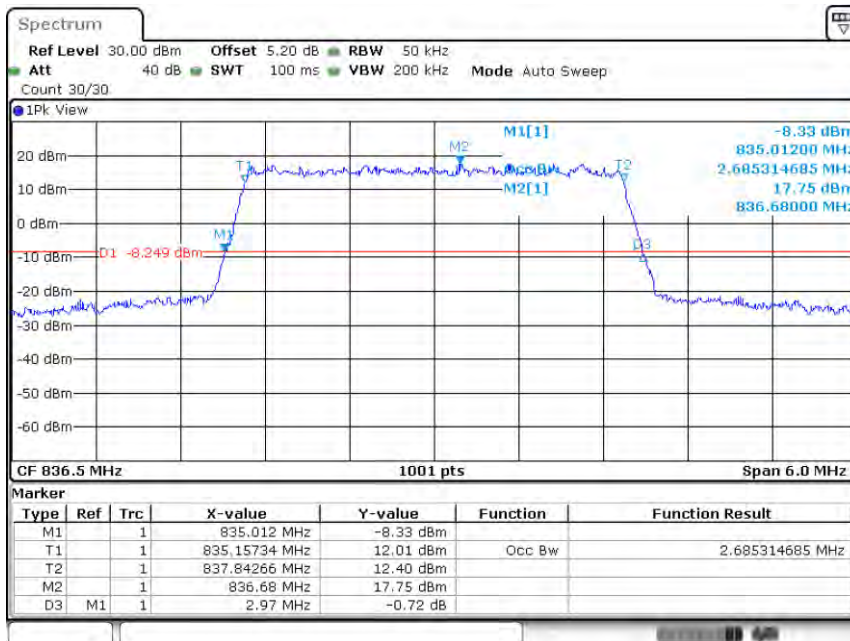
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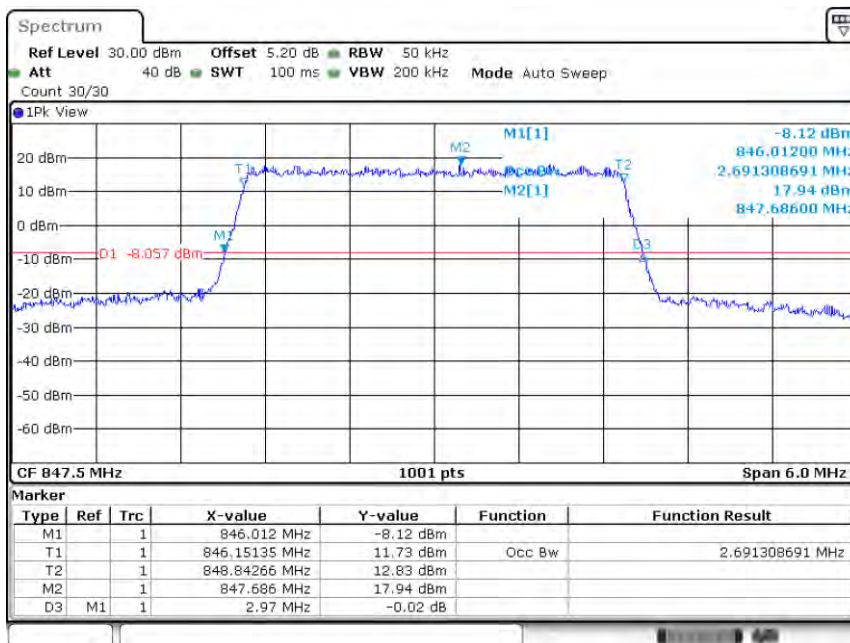
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Band26-3MHz-16QAM-26915-15RB#0-2.685



Date: 1.SEP.2020 12:14:46

Band26-3MHz-16QAM-27025-15RB#0-2.691



Date: 1.SEP.2020 12:15:12

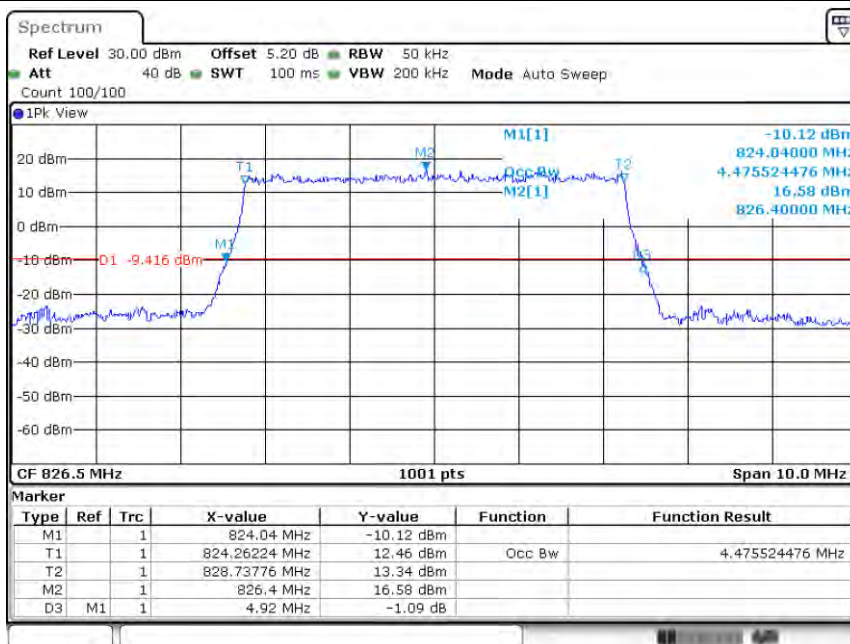


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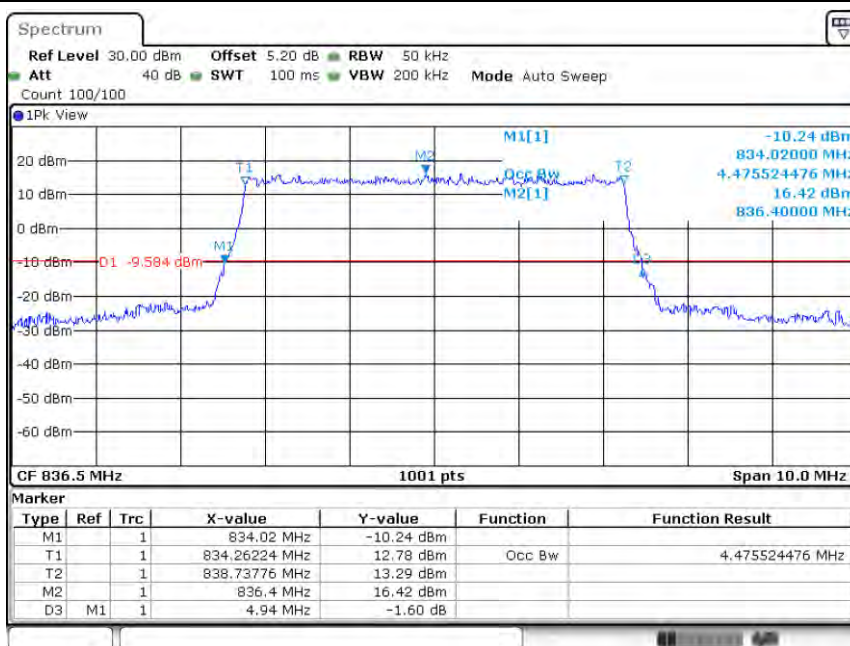


Band26-5MHz-QPSK-26815-25RB#0-4.476



Date: 1.SEP.2020 12:15:36

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



Date: 1.SEP.2020 12:16:16

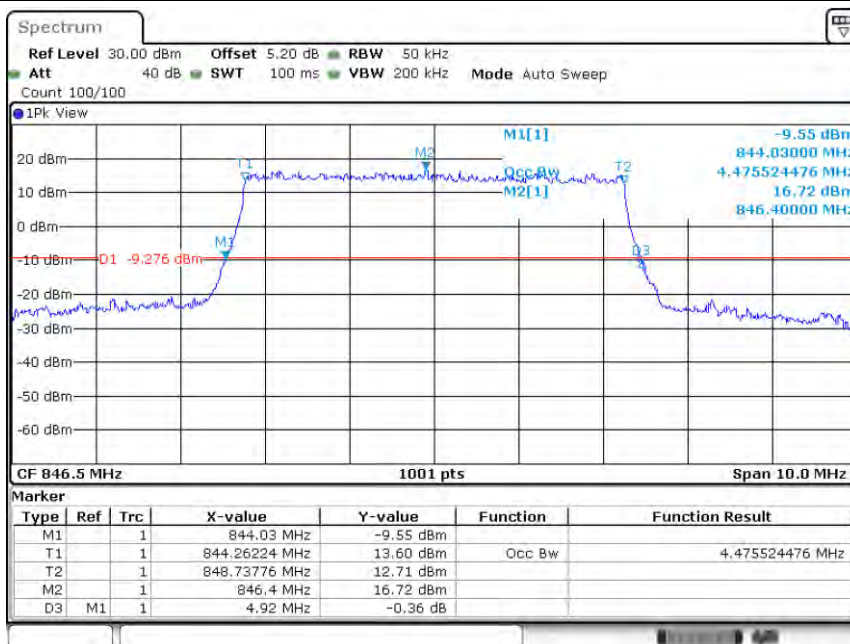


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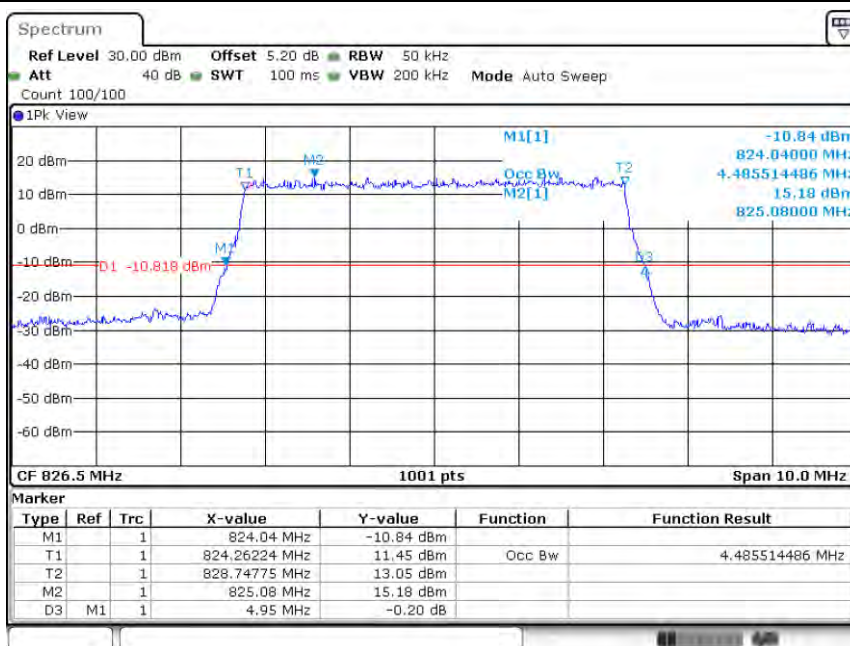


Band26-5MHz-QPSK-27015-25RB#0-4.476



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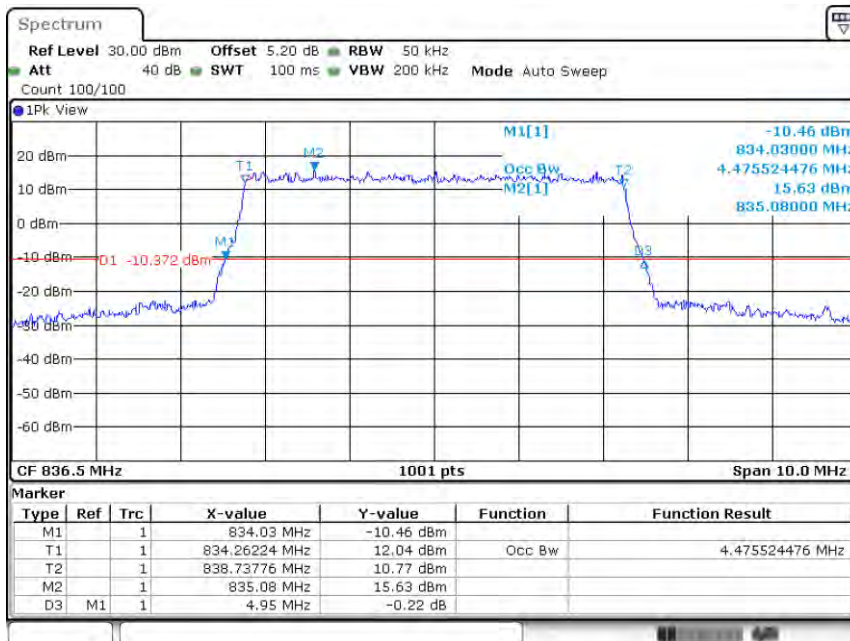


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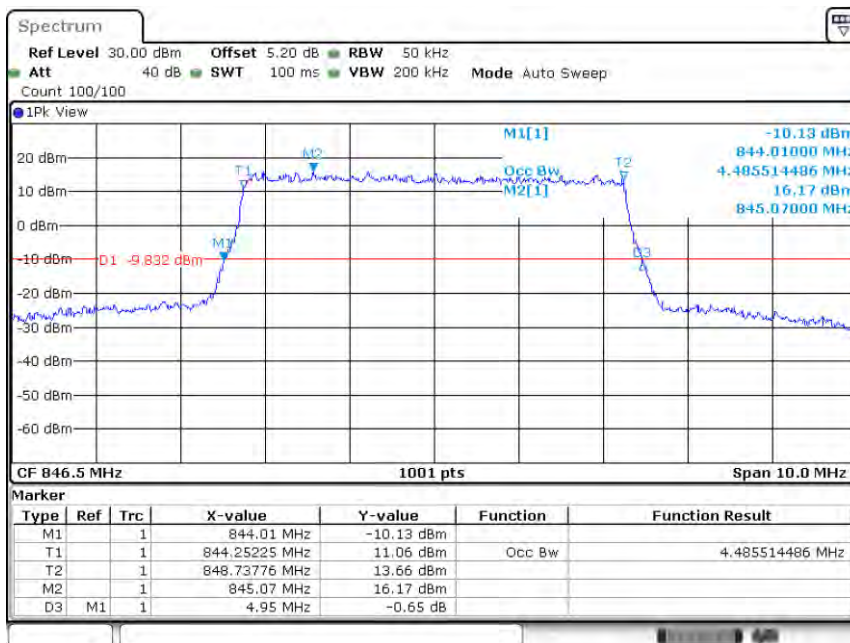


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Date: 1.SEP.2020 12:16:36

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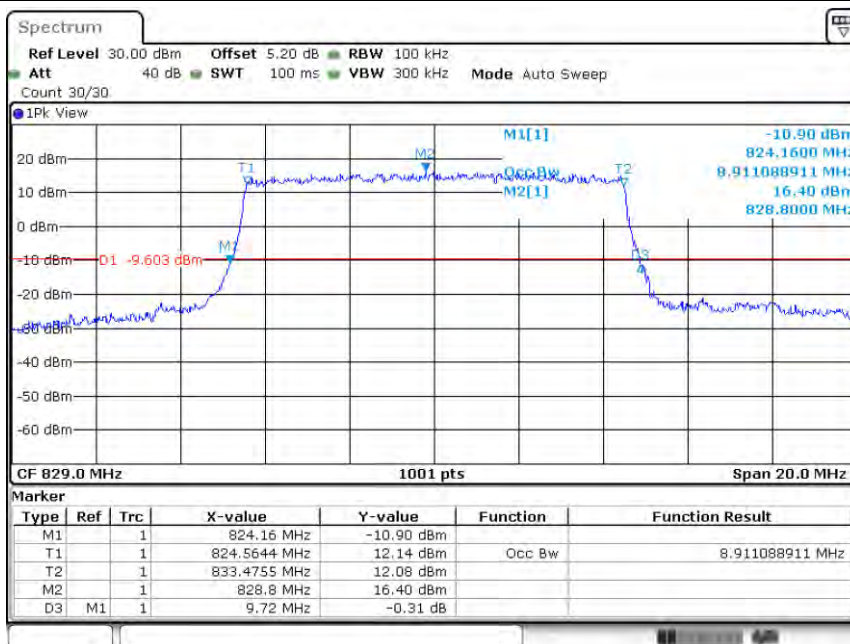


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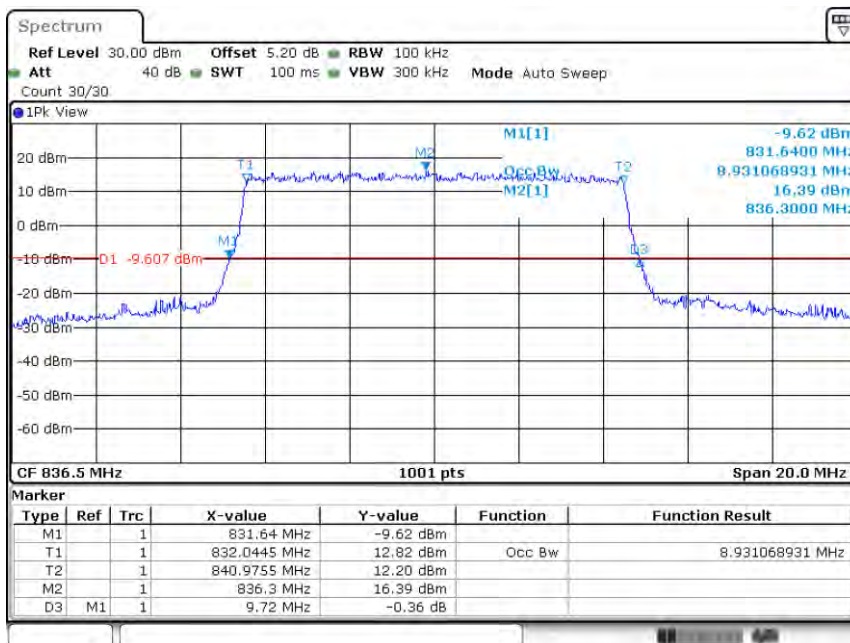


Band26-10MHz-QPSK-26840-50RB#0-8.911



Date: 1.SEP.2020 12:17:33

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



Date: 1.SEP.2020 12:17:59

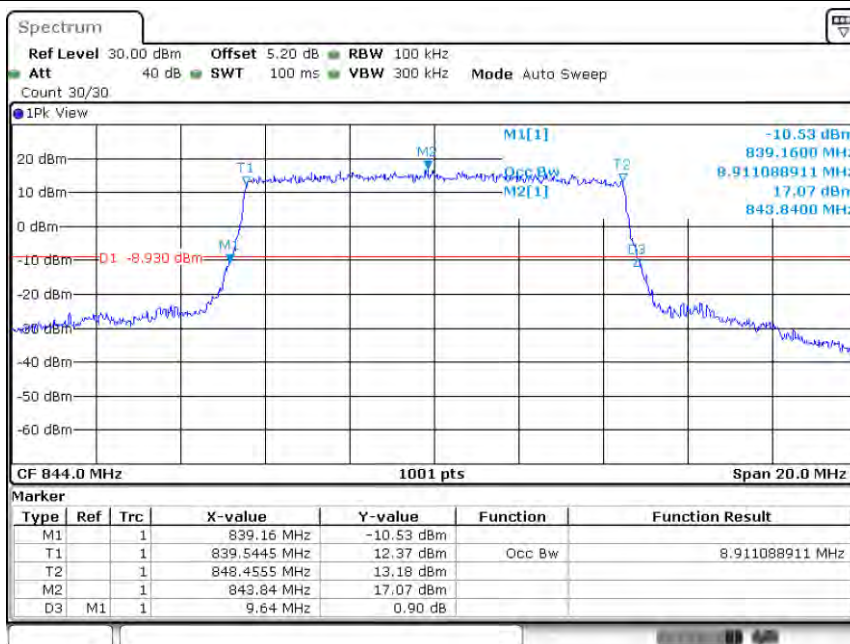


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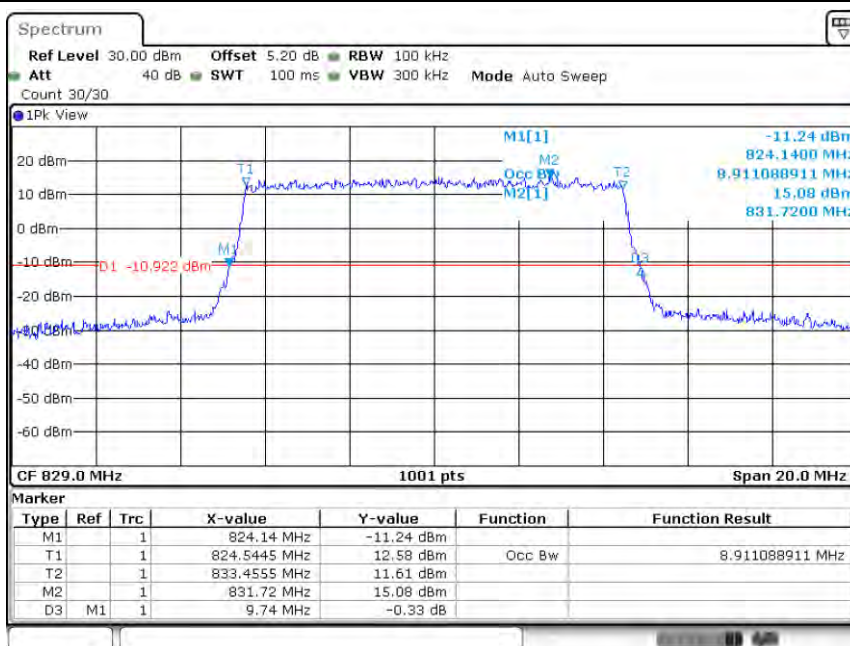


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Band26-10MHz-16QAM-26840-50RB#0-8.911



Date: 1.SEP.2020 12:17:46

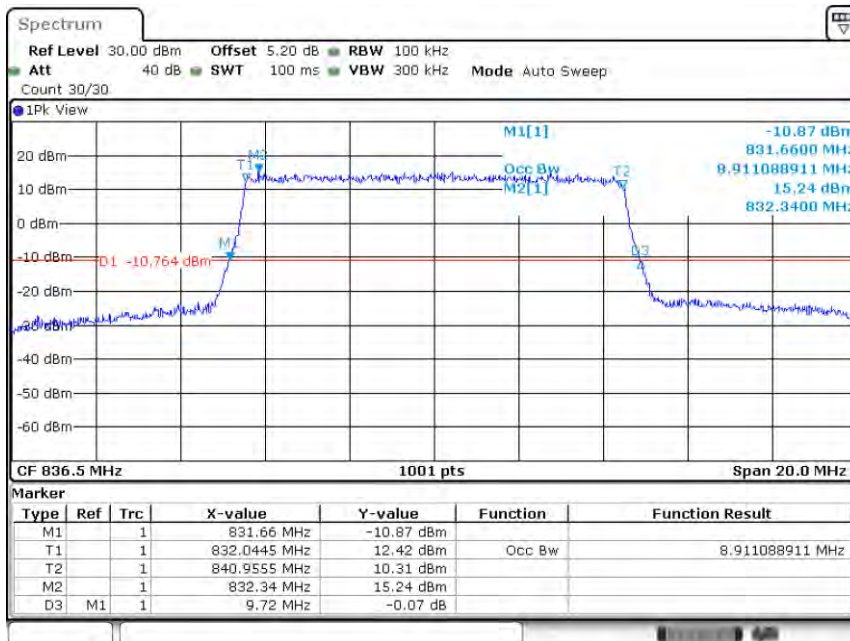


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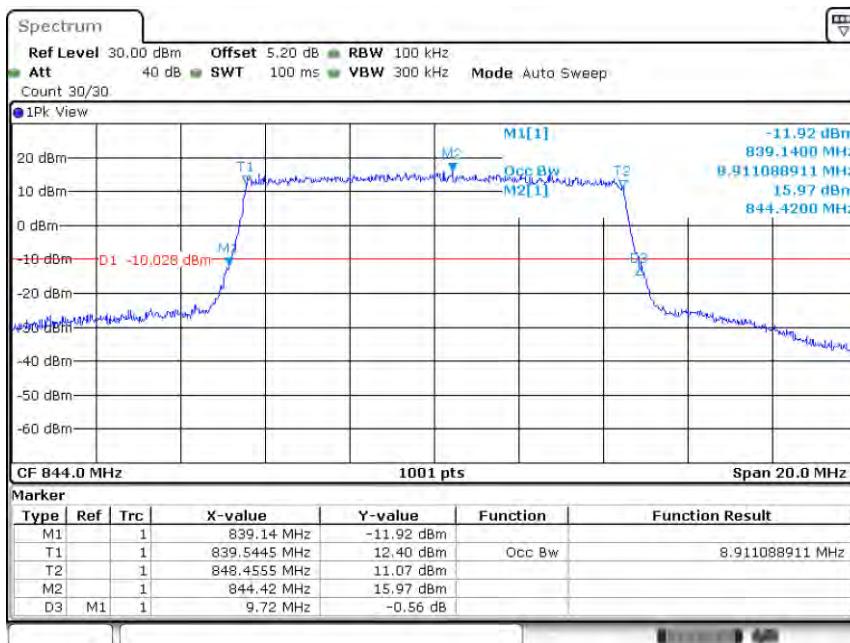


Band26-10MHz-16QAM-26915-50RB#0-8.911



Date: 1.SEP.2020 12:18:11

Band26-10MHz-16QAM-26990-50RB#0-8.911



Date: 1.SEP.2020 12:18:37

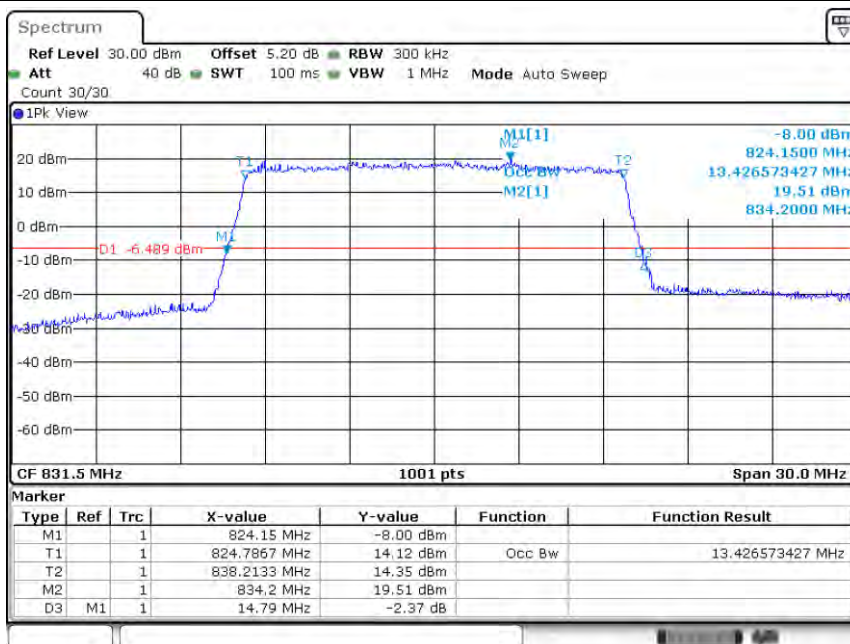


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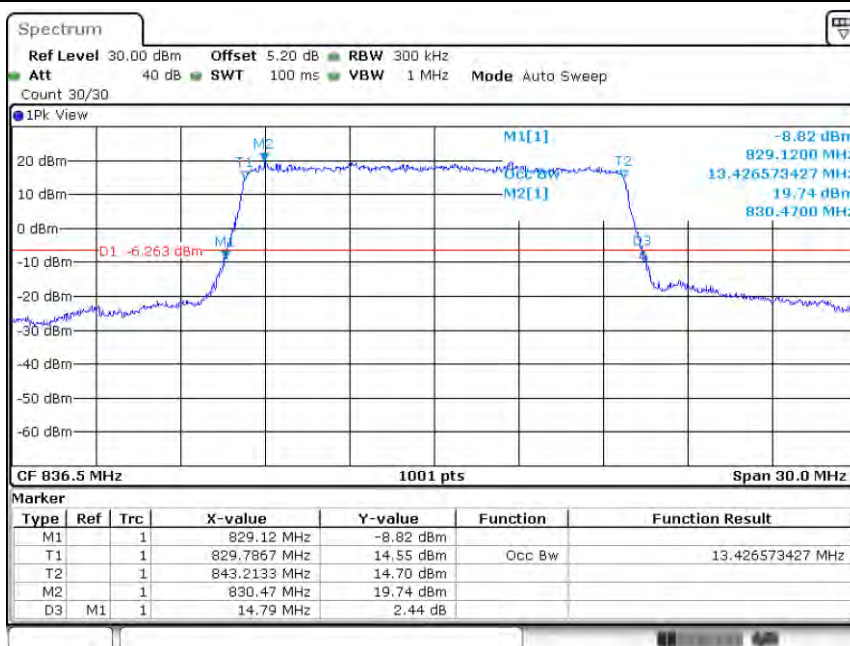


Band26-15MHz-QPSK-26865-75RB#0-13.427



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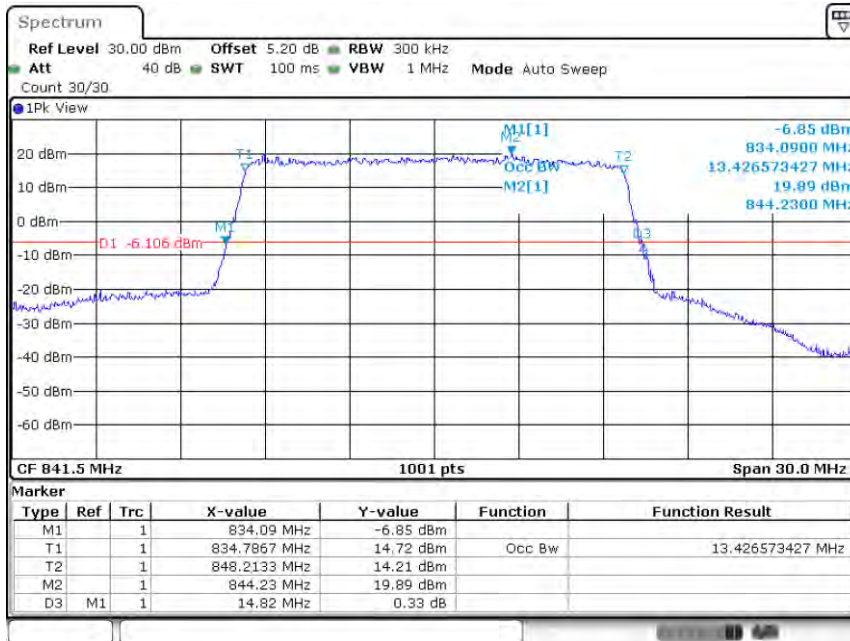
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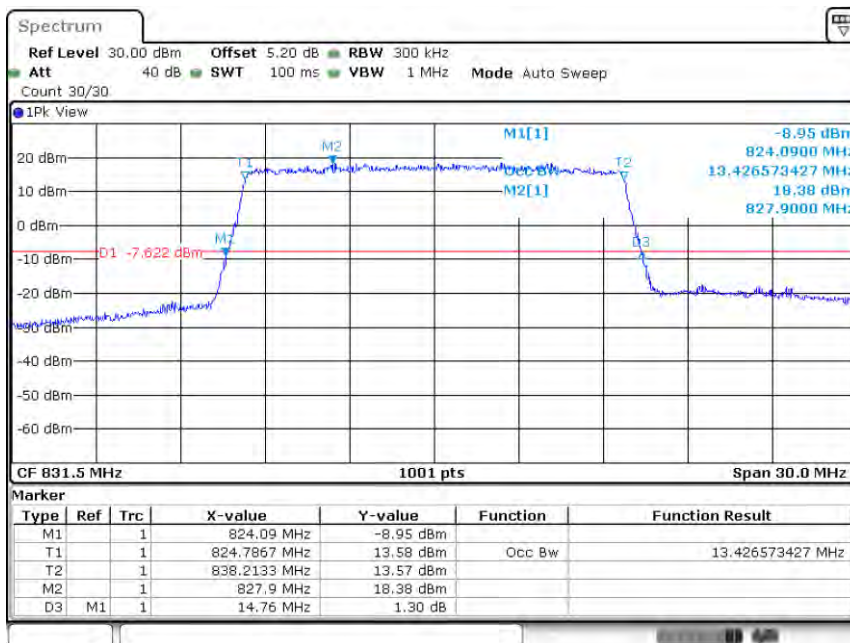
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Band26-15MHz-QPSK-26965-75RB#0-13.427



Date: 1.SEP.2020 12:33:25

Band26-15MHz-16QAM-26865-75RB#0-13.427



Date: 1.SEP.2020 12:32:46

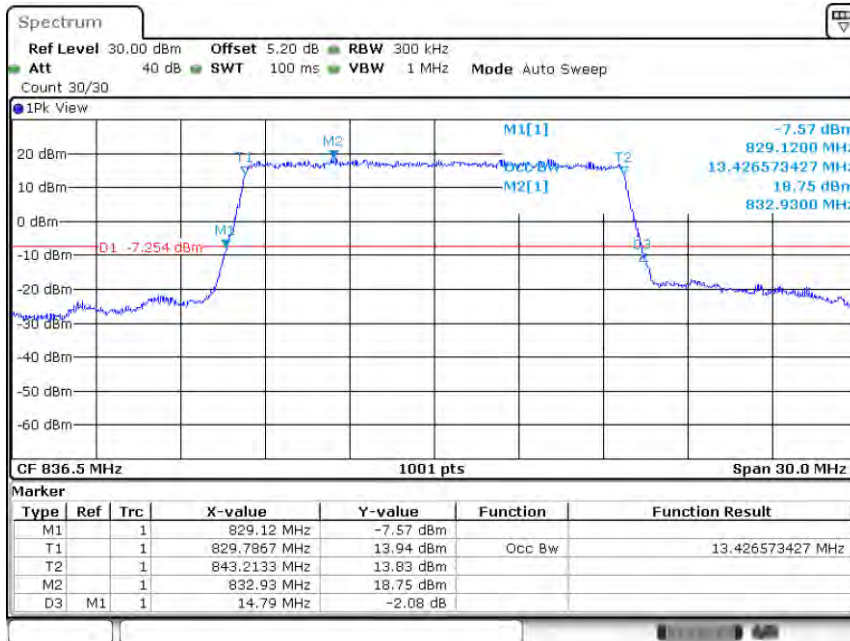


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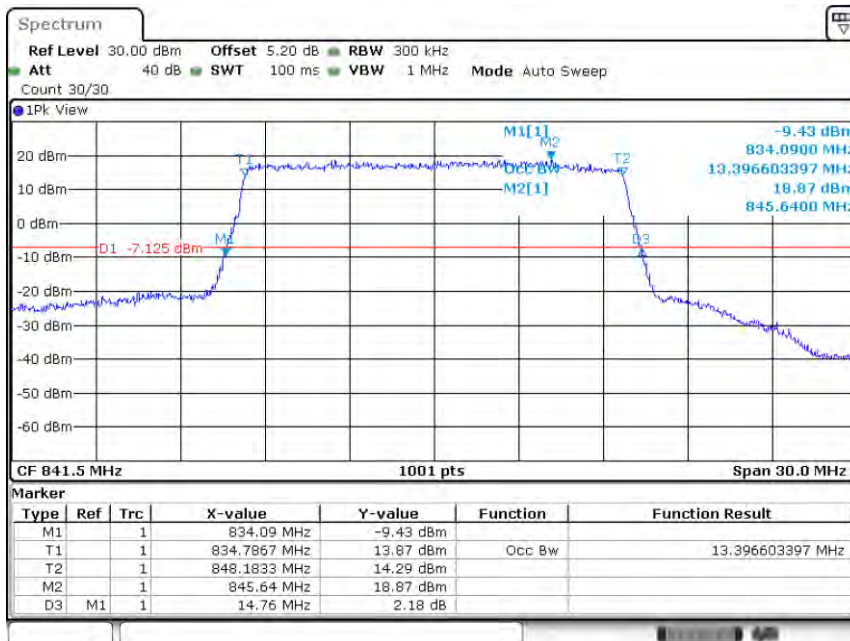


Band26-15MHz-16QAM-26915-75RB#0-13.427



Date: 1.SEP.2020 12:33:12

Band26-15MHz-16QAM-26965-75RB#0-13.397



Date: 1.SEP.2020 12:33:38



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	-18.87	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	-25.65	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	-18.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	-23.30	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	-20.51	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	-25.66	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	-19.05	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	-24.70	PASS
Band26	3MHz	QPSK	26805	1RB#0	-15.55	PASS
Band26	3MHz	QPSK	26805	15RB#0	-24.09	PASS
Band26	3MHz	QPSK	27025	1RB#14	-15.04	PASS
Band26	3MHz	QPSK	27025	15RB#0	-22.50	PASS
Band26	3MHz	16QAM	26805	1RB#0	-16.40	PASS
Band26	3MHz	16QAM	26805	15RB#0	-25.20	PASS
Band26	3MHz	16QAM	27025	1RB#14	-16.00	PASS
Band26	3MHz	16QAM	27025	15RB#0	-24.26	PASS
Band26	5MHz	QPSK	26815	1RB#0	-20.10	PASS
Band26	5MHz	QPSK	26815	25RB#0	-27.23	PASS
Band26	5MHz	QPSK	27015	1RB#24	-20.48	PASS
Band26	5MHz	QPSK	27015	25RB#0	-27.15	PASS
Band26	5MHz	16QAM	26815	1RB#0	-21.07	PASS
Band26	5MHz	16QAM	26815	25RB#0	-27.93	PASS
Band26	5MHz	16QAM	27015	1RB#24	-21.00	PASS
Band26	5MHz	16QAM	27015	25RB#0	-27.55	PASS
Band26	10MHz	QPSK	26840	1RB#0	-30.43	PASS
Band26	10MHz	QPSK	26840	50RB#0	-29.19	PASS
Band26	10MHz	QPSK	26990	1RB#49	-30.16	PASS
Band26	10MHz	QPSK	26990	50RB#0	-29.42	PASS
Band26	10MHz	16QAM	26840	1RB#0	-30.70	PASS
Band26	10MHz	16QAM	26840	50RB#0	-31.20	PASS
Band26	10MHz	16QAM	26990	1RB#49	-32.21	PASS
Band26	10MHz	16QAM	26990	50RB#0	-30.78	PASS



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057
中国·深圳·科技园中区M-10栋一号楼

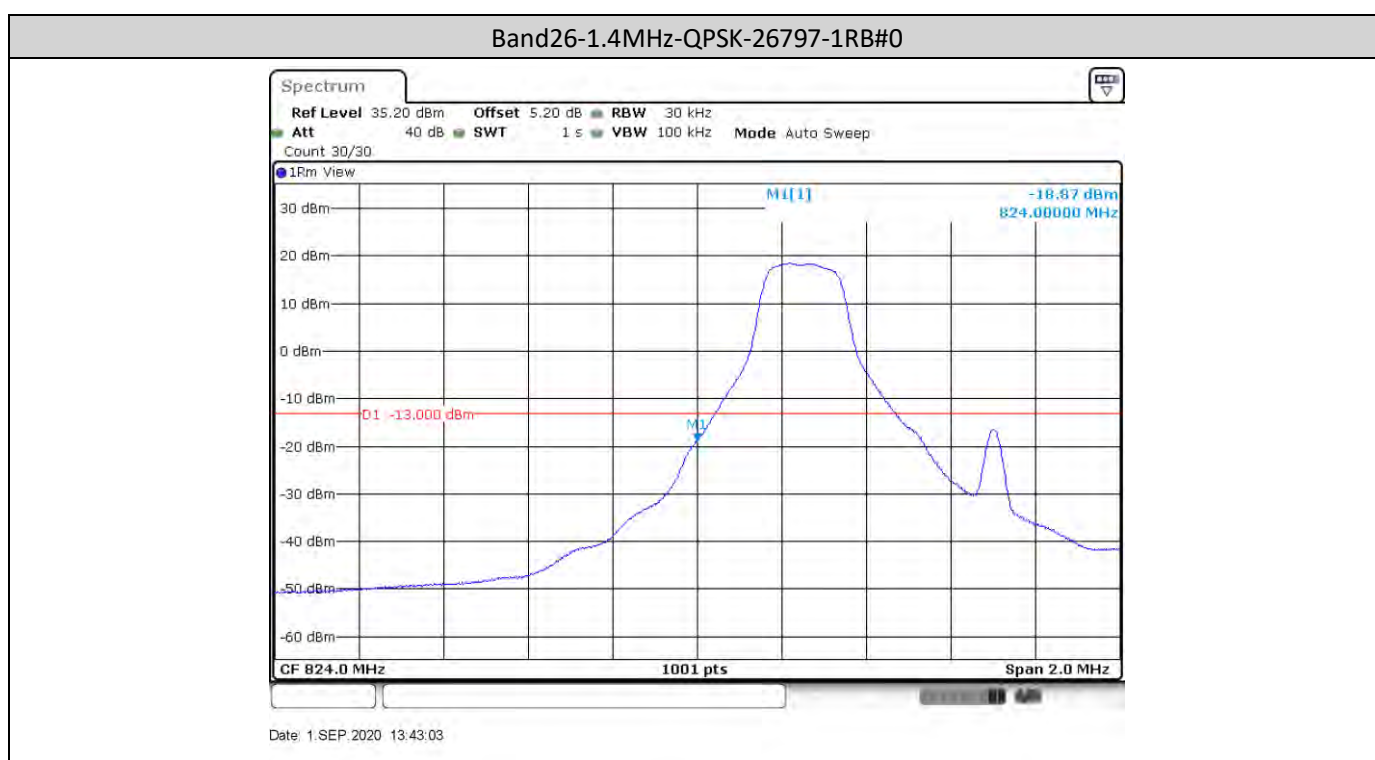
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Band26	15MHz	QPSK	26865	1RB#0	-25.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	-28.94	PASS
Band26	15MHz	QPSK	26965	1RB#74	-25.06	PASS
Band26	15MHz	QPSK	26965	75RB#0	-30.62	PASS
Band26	15MHz	16QAM	26865	1RB#0	-26.63	PASS
Band26	15MHz	16QAM	26865	75RB#0	-32.46	PASS
Band26	15MHz	16QAM	26965	1RB#74	-25.13	PASS
Band26	15MHz	16QAM	26965	75RB#0	-31.75	PASS

5.2. Test Plots



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



Date: 1.SEP.2020 13:44:36

Band26-1.4MHz-QPSK-27033-1RB#5



Date: 1.SEP.2020 13:46:13



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



Date: 1.SEP.2020 13:47:46

Band26-1.4MHz-16QAM-26797-1RB#0



Date: 1.SEP.2020 13:43:49



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



Date: 1.SEP.2020 13:45:22

Band26-1.4MHz-16QAM-27033-1RB#5



Date: 1.SEP.2020 13:47:00





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



Date: 1.SEP.2020 13:48:33

Band26-3MHz-QPSK-26805-1RB#0



Date: 1.SEP.2020 13:49:24





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



Date: 1.SEP.2020 13:50:57

Band26-3MHz-QPSK-27025-1RB#14



Date: 1.SEP.2020 13:56:54



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



Date: 1.SEP.2020 13:58:27

Band26-3MHz-16QAM-26805-1RB#0



Date: 1.SEP.2020 13:50:11





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



Date: 1.SEP.2020 13:51:44

Band26-3MHz-16QAM-27025-1RB#14



Date: 1.SEP.2020 13:57:40



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



Date: 1.SEP.2020 13:59:13

Band26-5MHz-QPSK-26815-1RB#0

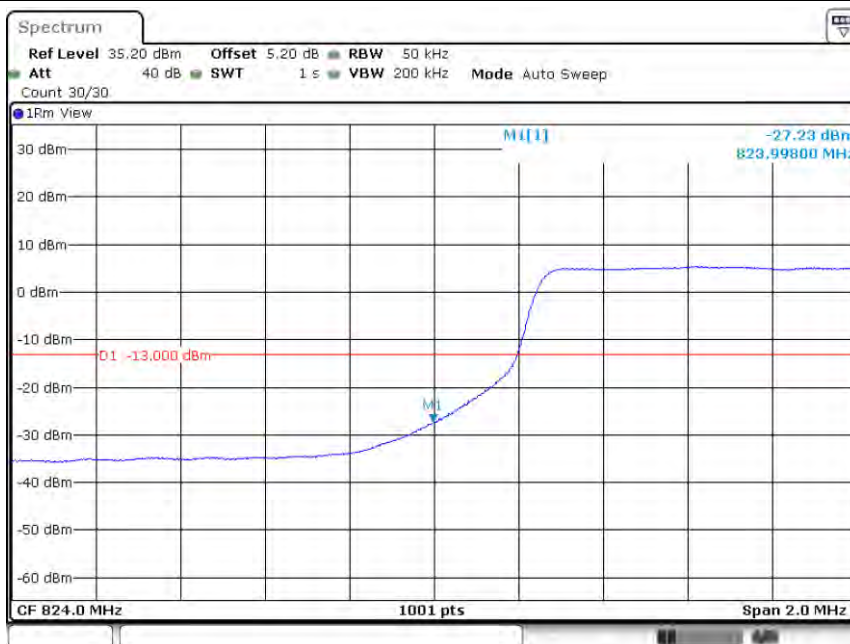


Date: 1.SEP.2020 14:04:35





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



Date: 1.SEP.2020 14:06:08

Band26-5MHz-QPSK-27015-1RB#24



Date: 1.SEP.2020 14:22:55



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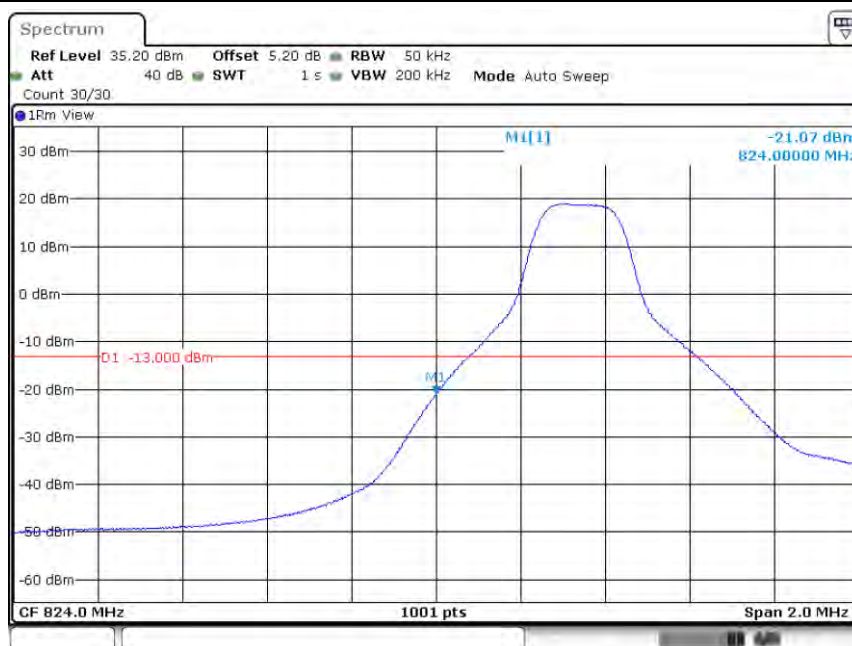


Band26-5MHz-QPSK-27015-25RB#0



Date: 1.SEP.2020 14:24:28

Band26-5MHz-16QAM-26815-1RB#0



Date: 1.SEP.2020 14:05:22





Band26-5MHz-16QAM-26815-25RB#0



Date: 1.SEP.2020 14:06:55

Band26-5MHz-16QAM-27015-1RB#24



Date: 1.SEP.2020 14:23:41



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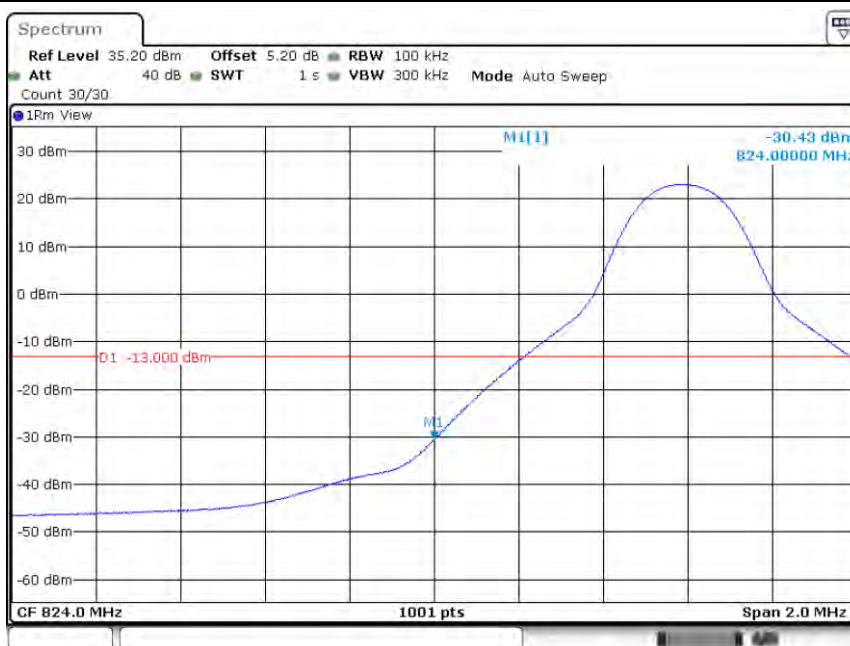
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Band26-5MHz-16QAM-27015-25RB#0



Date: 1.SEP.2020 14:25:14

Band26-10MHz-QPSK-26840-1RB#0



Date: 1.SEP.2020 14:26:06



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



Date: 1.SEP.2020 14:27:38

Band26-10MHz-QPSK-26990-1RB#49

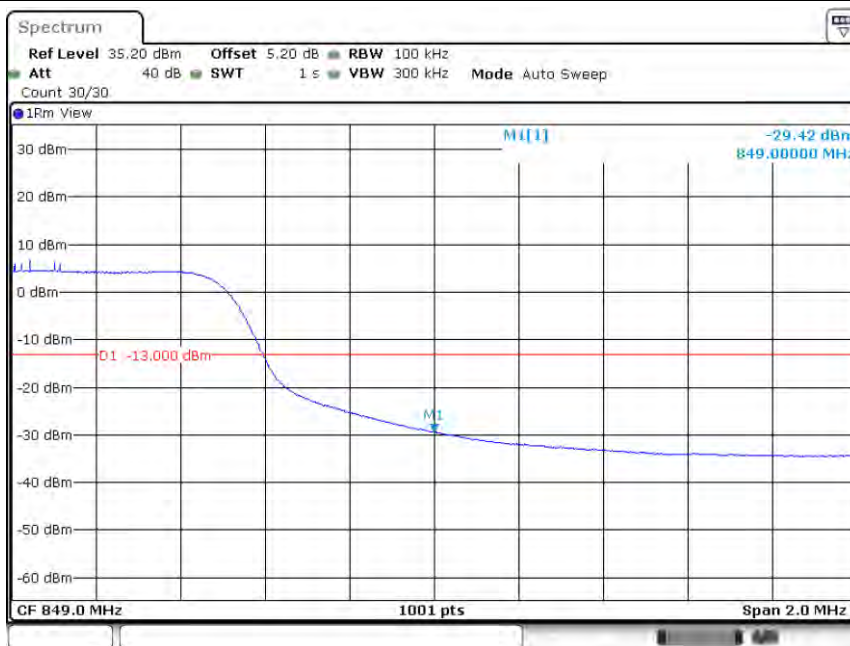


Date: 1.SEP.2020 14:29:37



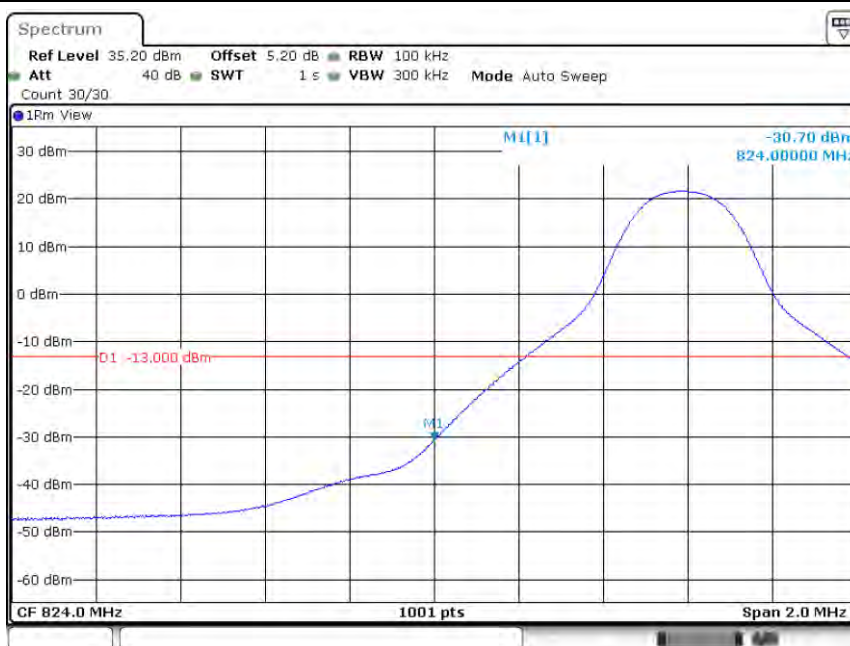


Band26-10MHz-QPSK-26990-50RB#0



Date: 1.SEP.2020 14:32:09

Band26-10MHz-16QAM-26840-1RB#0



Date: 1.SEP.2020 14:26:52



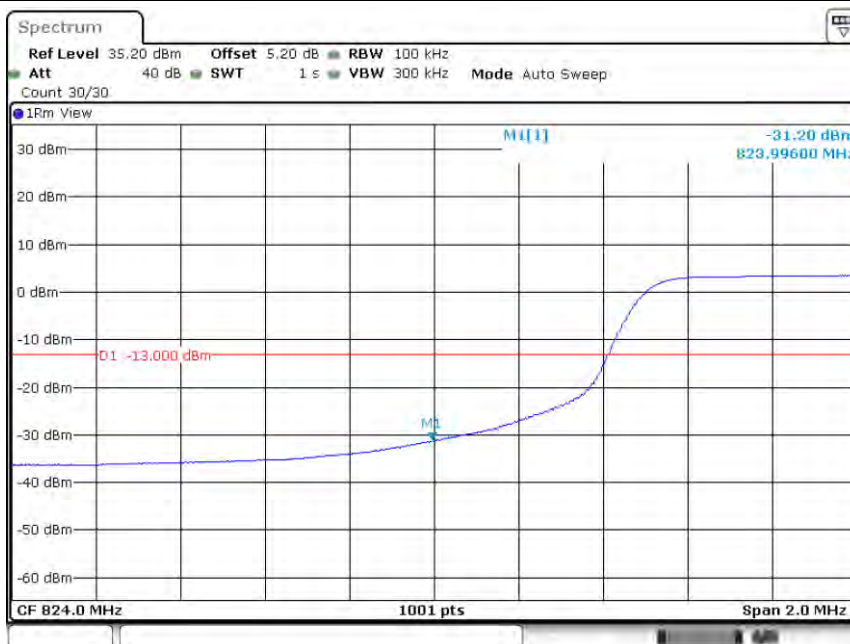
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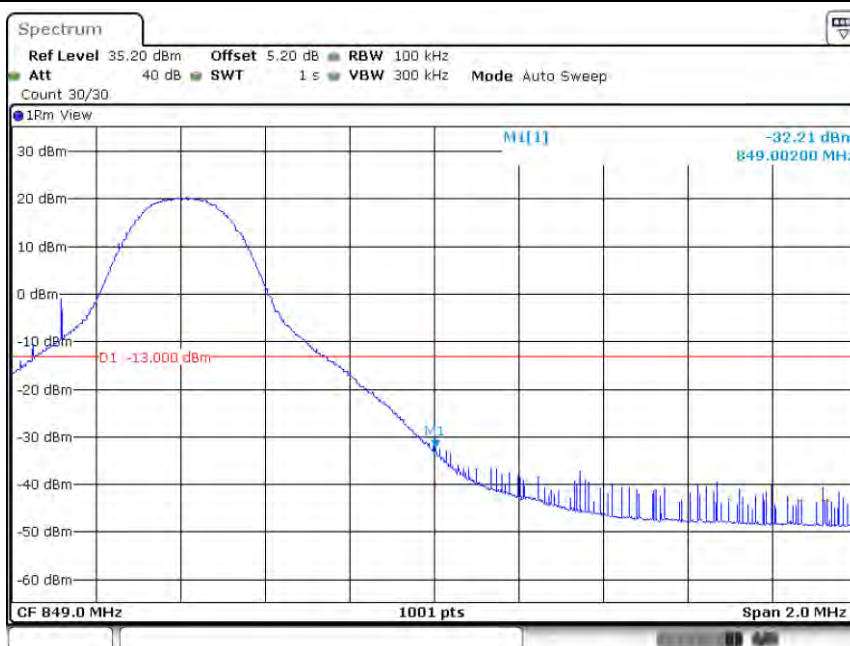


Band26-10MHz-16QAM-26840-50RB#0



Date: 1.SEP.2020 14:28:25

Band26-10MHz-16QAM-26990-1RB#49



Date: 1.SEP.2020 14:30:34

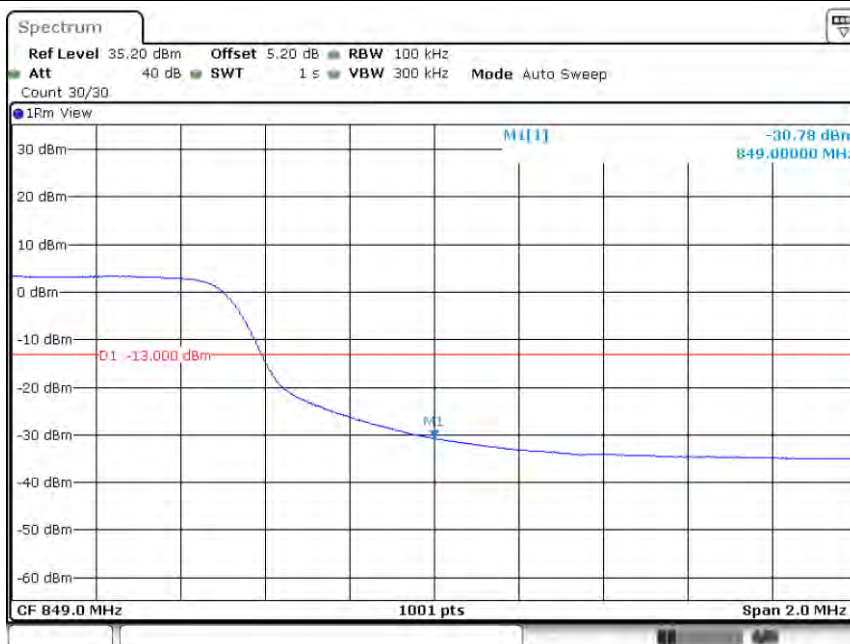


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Band26-10MHz-16QAM-26990-50RB#0



Date: 1.SEP.2020 14:32:56

Band26-15MHz-QPSK-26865-1RB#0



Date: 1.SEP.2020 14:33:47

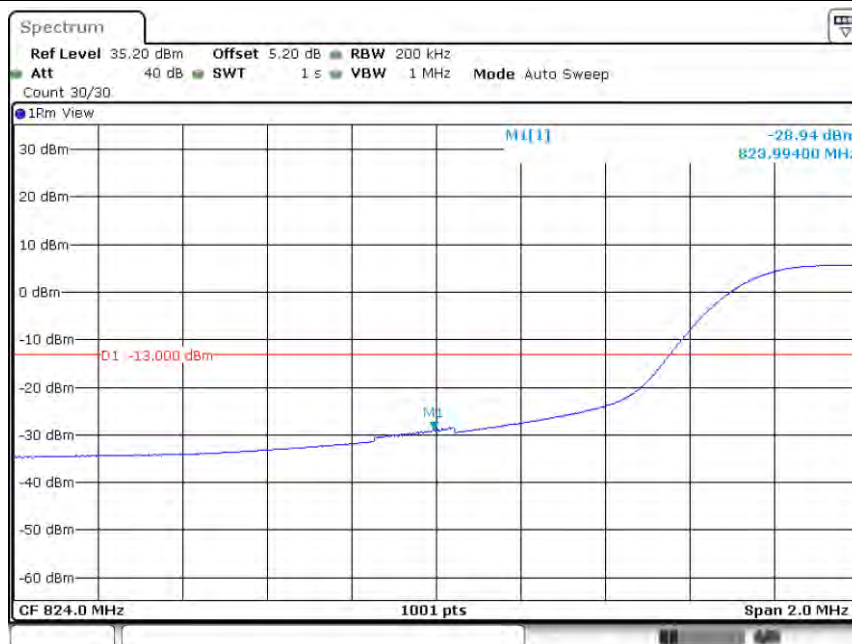


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Band26-15MHz-QPSK-26865-75RB#0



Date: 1.SEP.2020 14:35:20

Band26-15MHz-QPSK-26965-1RB#74



Date: 1.SEP.2020 14:36:57



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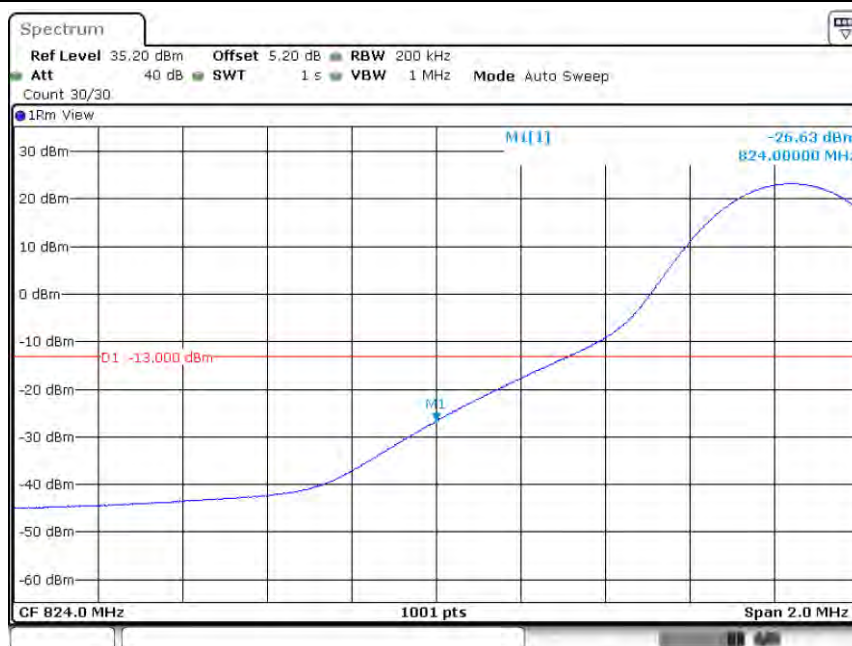


Band26-15MHz-QPSK-26965-75RB#0



Date: 1.SEP.2020 14:38:30

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



Date: 1.SEP.2020 14:34:33

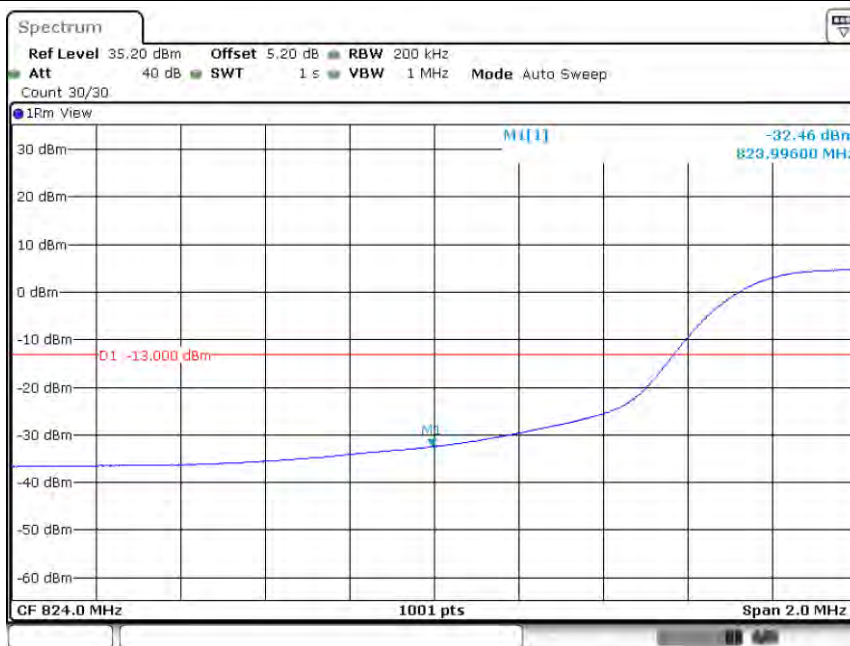


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Band26-15MHz-16QAM-26865-75RB#0



Date: 1.SEP.2020 14:36:06

Band26-15MHz-16QAM-26965-1RB#74



Date: 1.SEP.2020 14:37:43



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



Date: 1.SEP.2020 14:39:16



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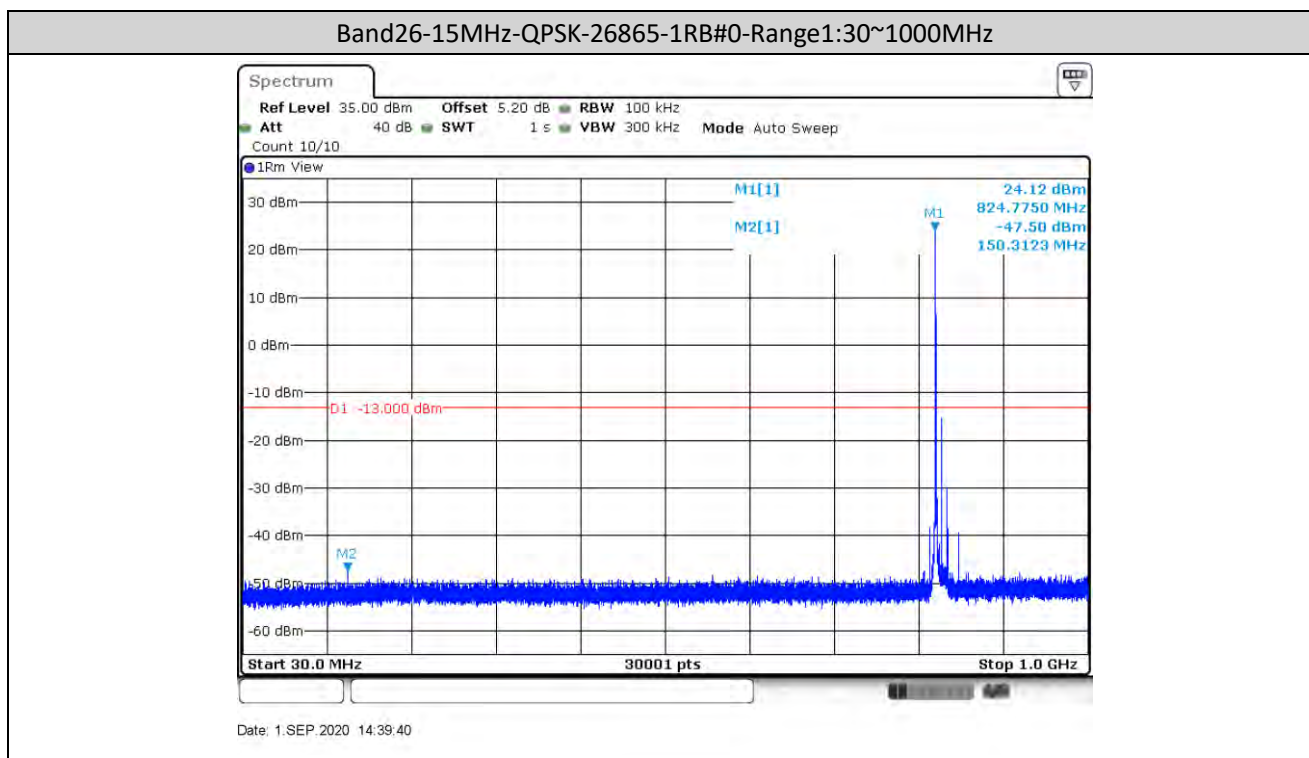
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6. Spurious Emission at Antenna Terminal

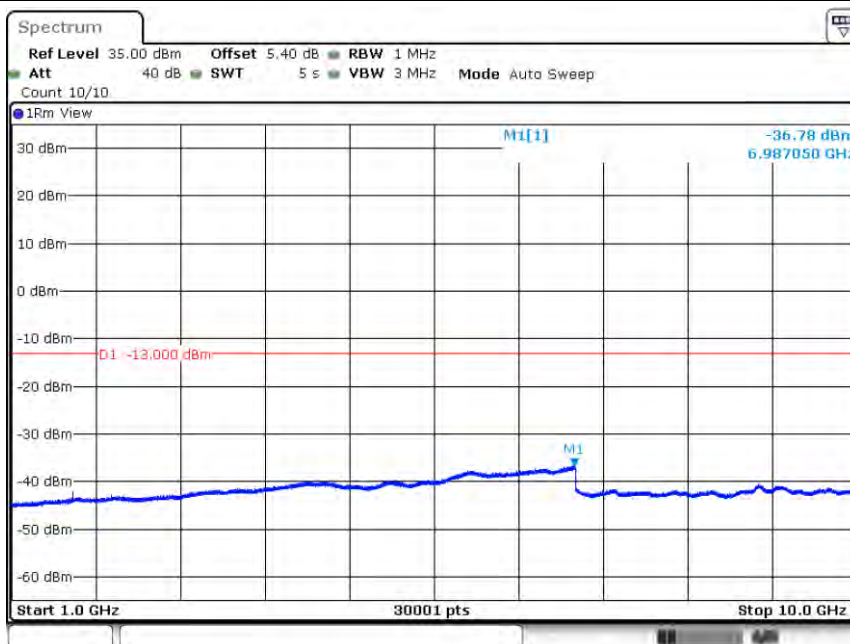
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

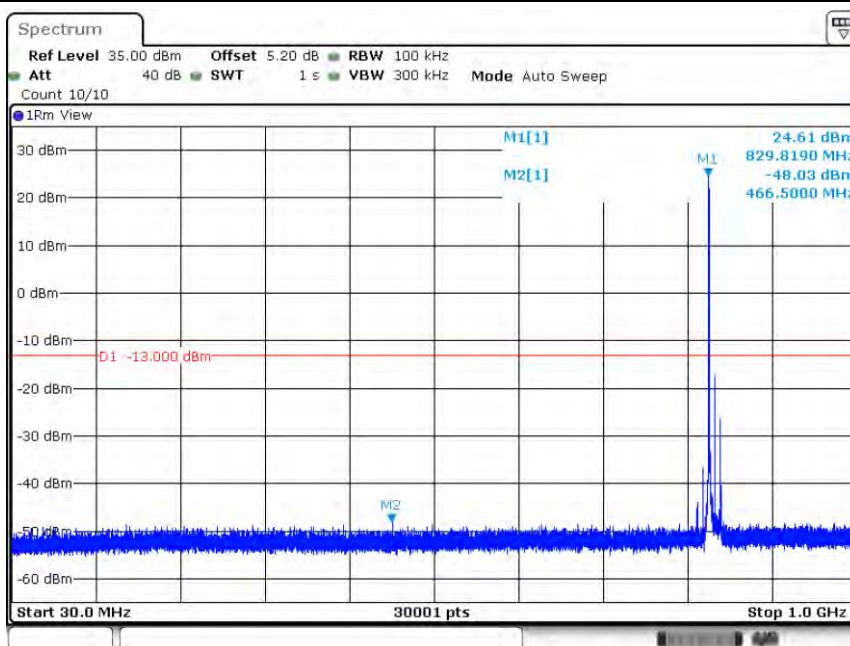


Band26-15MHz-QPSK-26865-1RB#0-Range2:1000~10000MHz



Date: 1.SEP.2020 20:12:54

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



Date: 1.SEP.2020 14:42:34

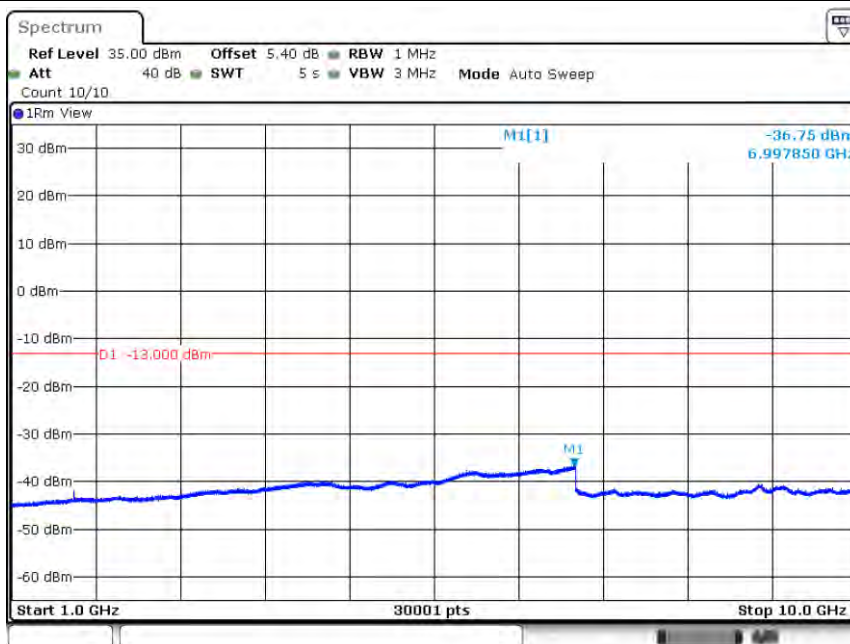


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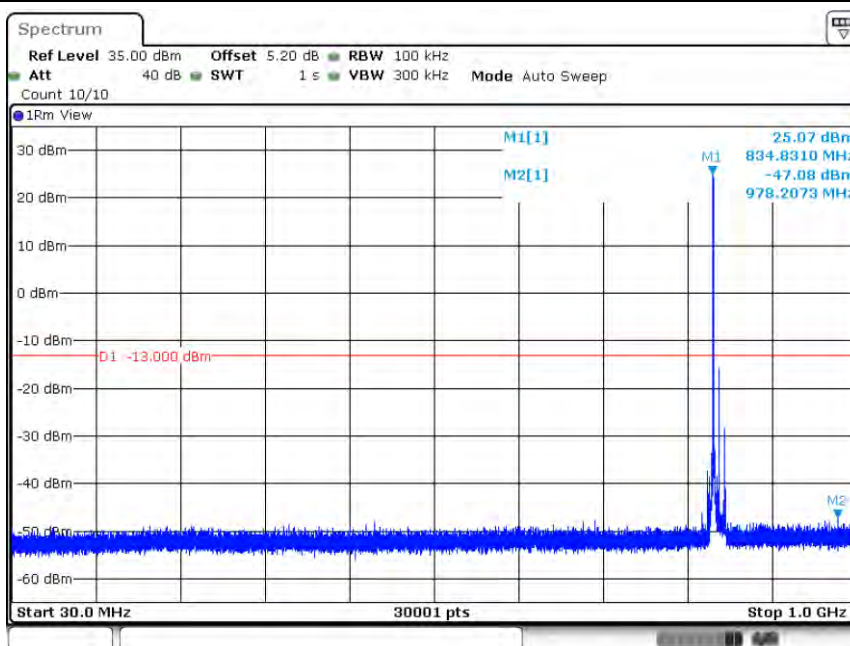
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Band26-15MHz-QPSK-26915-1RB#0-Range2:1000~10000MHz



Date: 1.SEP.2020 20:15:16

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



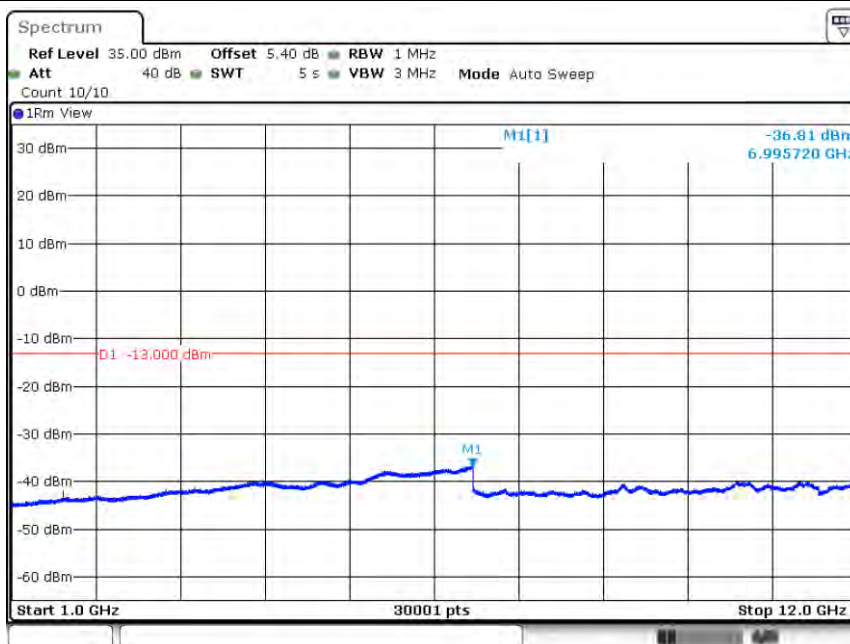
Date: 1.SEP.2020 14:45:29



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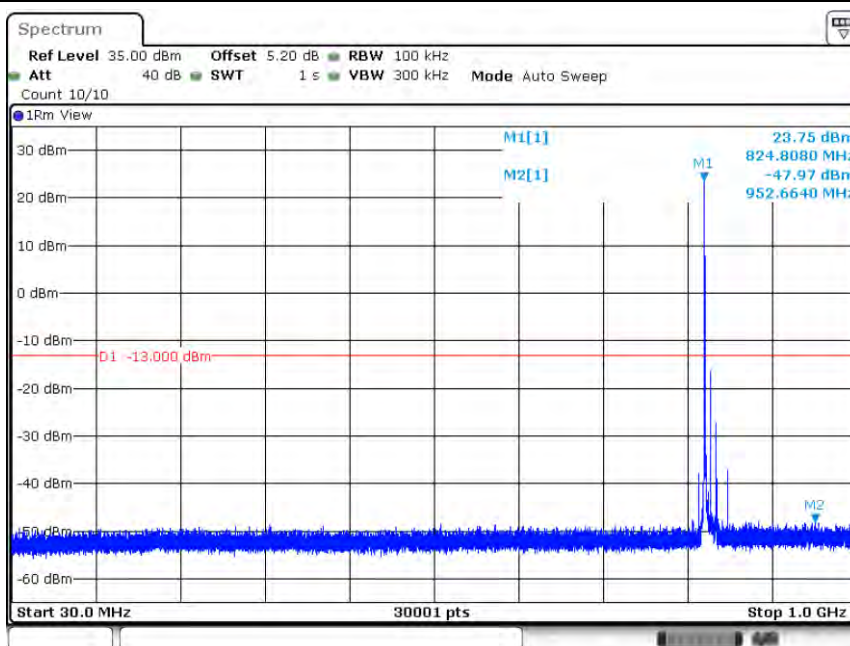
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Band26-15MHz-QPSK-26965-1RB#0-Range2:1000~10000MHz



Date: 1.SEP.2020 14:46:36

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



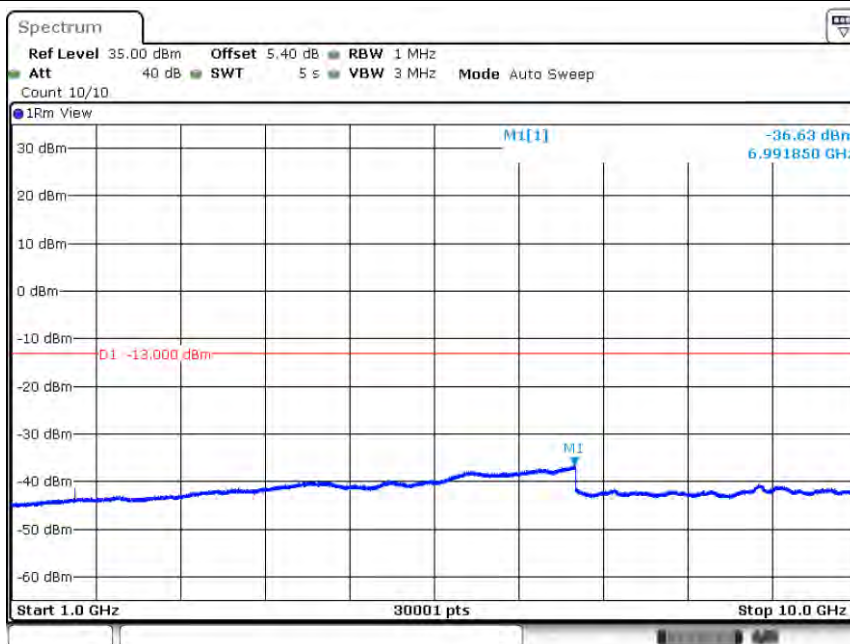
Date: 1.SEP.2020 14:41:07



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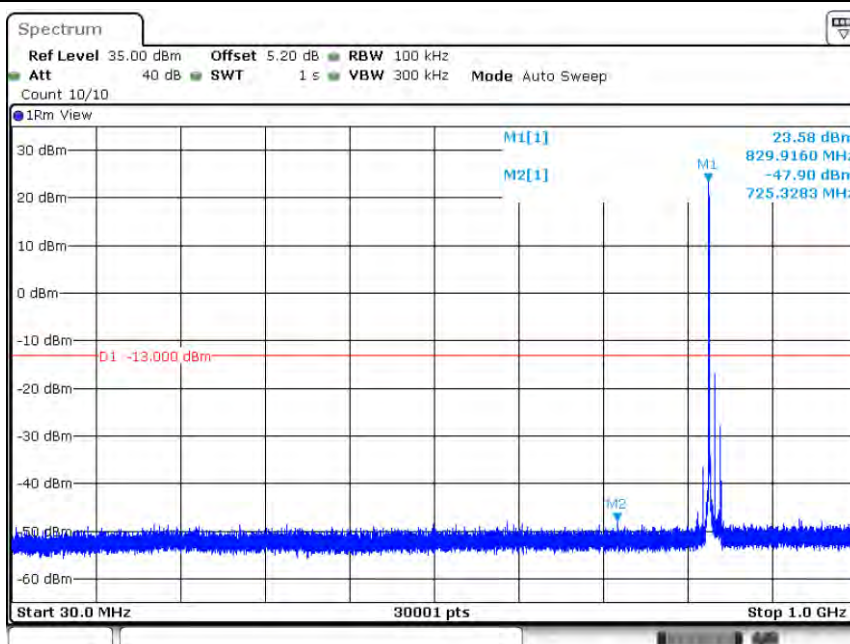
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Band26-15MHz-16QAM-26865-1RB#0-Range2:1000~10000MHz



Date: 1.SEP.2020 20:17:37

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



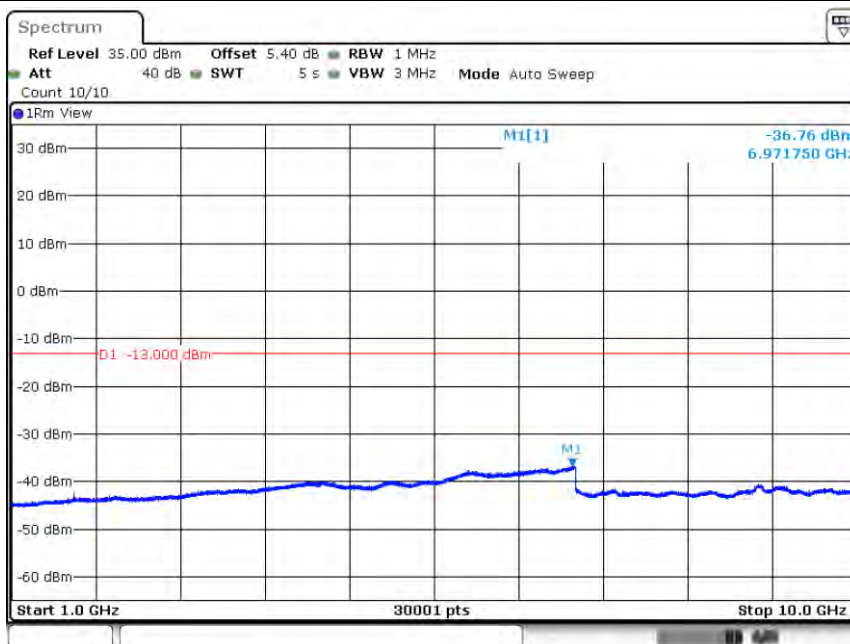
Date: 1.SEP.2020 14:44:02



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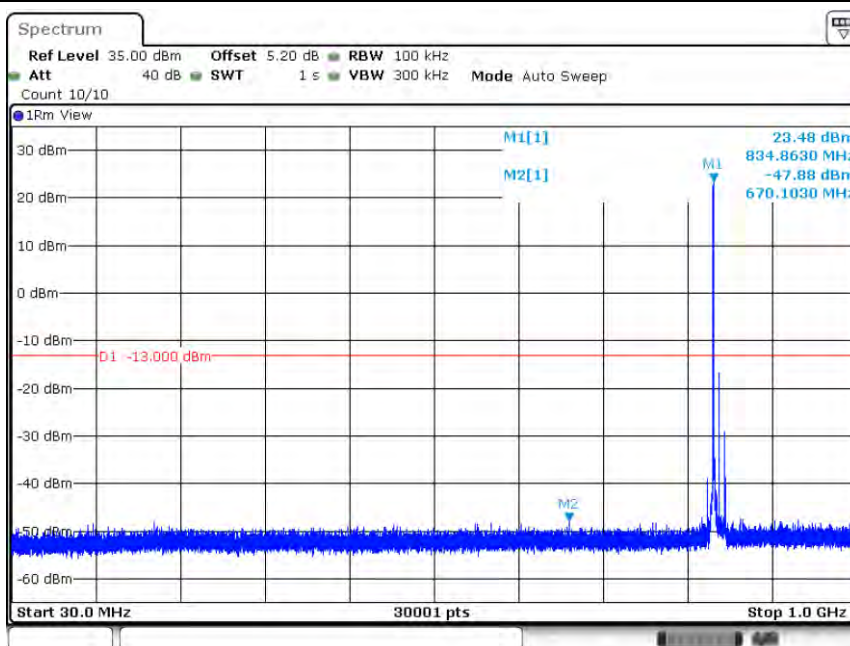
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Band26-15MHz-16QAM-26915-1RB#0-Range2:1000~10000MHz



Date: 1.SEP.2020 20:16:27

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

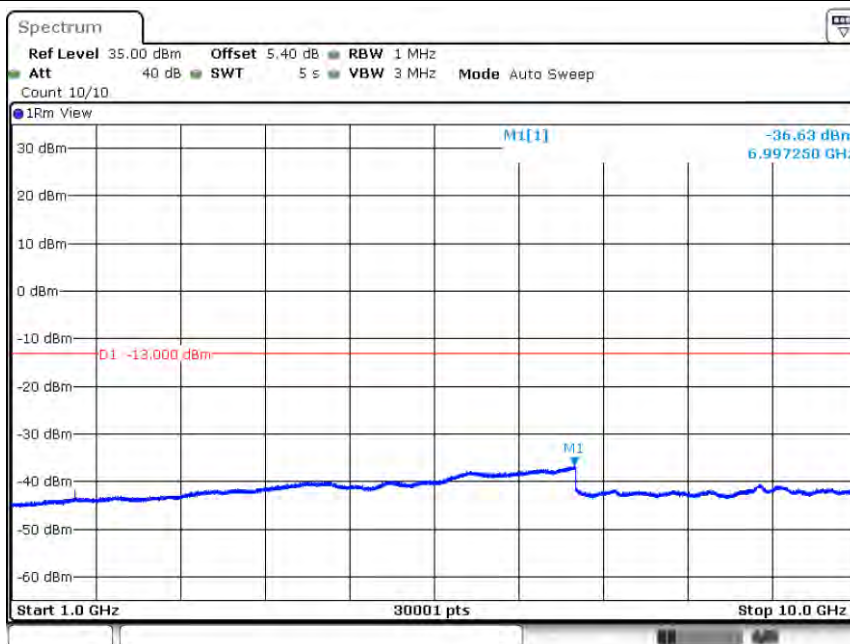


Date: 1.SEP.2020 14:46:56





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



Date: 1.SEP.2020 20:18:48



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 15MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.8535	-62.47	-13.00	49.47	Vertical
1649.7299	-46.19	-13.00	33.19	Vertical
2474.6949	-41.93	-13.00	28.93	Vertical
3299.3766	-54.23	-13.00	41.23	Vertical
4124.0041	-54.80	-13.00	41.80	Vertical
9765.4922	-49.46	-13.00	36.46	Vertical
40.3795	-61.60	-13.00	48.60	Horizontal
1649.7299	-43.98	-13.00	30.98	Horizontal
2474.6949	-36.26	-13.00	23.26	Horizontal
3299.3766	-53.38	-13.00	40.38	Horizontal
4124.2375	-52.61	-13.00	39.61	Horizontal
9304.8768	-50.01	-13.00	37.01	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.8236	-62.59	-13.00	49.59	Vertical
600.4855	-61.03	-13.00	48.03	Vertical
1659.7319	-44.19	-13.00	31.19	Vertical
2489.4979	-40.93	-13.00	27.93	Vertical
4148.9716	-55.87	-13.00	42.87	Vertical
9849.2616	-49.49	-13.00	36.49	Vertical
40.5250	-63.05	-13.00	50.05	Horizontal
1659.7319	-43.55	-13.00	30.55	Horizontal
2489.4979	-37.01	-13.00	24.01	Horizontal
3319.2106	-54.03	-13.00	41.03	Horizontal
4148.9716	-54.22	-13.00	41.22	Horizontal
9333.1111	-49.84	-13.00	36.84	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.3200	-62.62	-13.00	49.62	Vertical
1669.7339	-43.08	-13.00	30.08	Vertical
2504.7009	-40.61	-13.00	27.61	Vertical
3339.5113	-55.82	-13.00	42.82	Vertical
4174.4058	-55.14	-13.00	42.14	Vertical
9902.6968	-49.33	-13.00	36.33	Vertical
44.5992	-62.70	-13.00	49.70	Horizontal
1669.7339	-39.05	-13.00	26.05	Horizontal
2504.7009	-37.61	-13.00	24.61	Horizontal
3339.5113	-53.98	-13.00	40.98	Horizontal
4174.1725	-54.26	-13.00	41.26	Horizontal
9305.5769	-49.91	-13.00	36.91	Horizontal

Remark:

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



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	0.10	0.000120	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	0.70	0.000842	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	0.60	0.000722	±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	-1.20	-0.001435	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VL	NT	-0.50	-0.000594	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	-1.60	-0.001901	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	-0.30	-0.000357	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VL	NT	0.20	0.000241	±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	0.10	0.000120	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VL	NT	-0.30	-0.000359	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VN	NT	-0.50	-0.000598	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VH	NT	-0.80	-0.000956	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VL	NT	-1.60	-0.001901	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VN	NT	-0.30	-0.000357	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VH	NT	-3.20	-0.003803	±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	-0.60	-0.000722	±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	0	1.20	0.001443	±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	0.50	0.000601	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	-0.10	-0.000120	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	-1.00	-0.001203	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	50	-0.10	-0.000120	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	-0.20	-0.000239	±2.5	PASS



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Band26	15MHz	QPSK	26915	75RB#0	NV	-20	1.10	0.001315	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	-0.90	-0.001076	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	0.40	0.000478	±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	-0.60	-0.000717	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	50	-0.40	-0.000478	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	-0.70	-0.000832	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-0.20	-0.000238	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	-1.70	-0.002020	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	10	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	-0.60	-0.000713	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	-2.20	-0.002614	±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	-2.40	-0.002852	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-30	0.40	0.000481	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-20	0.90	0.001082	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	0	0.30	0.000361	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	10	-0.40	-0.000481	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	20	-0.10	-0.000120	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	30	0.50	0.000601	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	40	0.60	0.000722	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	50	0.90	0.001082	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-20	-0.20	-0.000239	±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	-0.90	-0.001076	±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	30	1.10	0.001315	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	40	0.10	0.000120	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	50	-1.00	-0.001195	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-30	-1.40	-0.001664	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-20	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	0	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	10	-1.40	-0.001664	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	20	-0.50	-0.000594	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	30	-0.40	-0.000475	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	40	-1.30	-0.001545	±2.5	PASS



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Band26	15MHz	16QAM	26965	75RB#0	NV	50	-1.90	-0.002258	±2.5	PASS
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