



# 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	23.81	21.16	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.96	21.31	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.93	21.28	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	24.03	21.38	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	24.04	21.39	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	24.09	21.44	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	23.04	20.39	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.71	21.06	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.87	21.22	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.66	21.01	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	23.86	21.21	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	24.04	21.39	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	24.09	21.44	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.84	20.19	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.72	21.07	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.97	21.32	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.98	21.33	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	24.02	21.37	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	24.05	21.40	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	24.34	21.69	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.91	20.26	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.93	20.28	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.87	20.22	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.23	19.58	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	22.73	20.08	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	22.58	19.93	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	22.81	20.16	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.72	19.07	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.23	19.58	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.73	20.08	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.51	19.86	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	22.72	20.07	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	22.79	20.14	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	22.49	19.84	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.64	18.99	38.45	PASS

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Band26	1.4MHz	16QAM	27033	1RB#0	23.13	20.48	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.64	19.99	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.65	20.00	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.81	20.16	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.72	20.07	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	22.80	20.15	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.69	19.04	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	24.11	21.46	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.90	21.25	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	24.01	21.36	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#0	23.11	20.46	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#4	22.85	20.20	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#7	22.93	20.28	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.93	20.28	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	24.29	21.64	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	24.18	21.53	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.91	21.26	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#0	22.88	20.23	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#4	22.96	20.31	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#7	22.87	20.22	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.95	20.30	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	24.01	21.36	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	24.00	21.35	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	24.06	21.41	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#0	23.02	20.37	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#4	22.94	20.29	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#7	22.83	20.18	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	22.90	20.25	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.89	20.24	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.60	19.95	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.12	19.47	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#0	21.71	19.06	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#4	21.94	19.29	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#7	22.05	19.40	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.74	19.09	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.55	19.90	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.65	20.00	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	23.42	20.77	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#0	21.88	19.23	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#4	22.01	19.36	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#7	22.02	19.37	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.95	19.30	38.45	PASS

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Band26	3MHz	16QAM	27025	1RB#0	22.46	19.81	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.81	20.16	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.68	20.03	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	21.73	19.08	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#4	21.86	19.21	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#7	21.84	19.19	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.94	19.29	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.87	21.22	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.92	21.27	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.64	20.99	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#0	22.86	20.21	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#13	22.95	20.30	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#6	22.85	20.20	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.82	20.17	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.68	21.03	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.87	21.22	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.83	21.18	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#0	22.89	20.24	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#13	22.98	20.33	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.88	20.23	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.85	20.20	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.56	20.91	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	24.00	21.35	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.67	21.02	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#0	22.73	20.08	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#13	22.96	20.31	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#6	22.93	20.28	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	22.81	20.16	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.94	20.29	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	23.21	20.56	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.53	19.88	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#0	21.80	19.15	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#13	21.99	19.34	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#6	21.96	19.31	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.85	19.20	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.20	19.55	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.42	19.77	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.10	19.45	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#0	21.87	19.22	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#13	22.13	19.48	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#6	21.74	19.09	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.86	19.21	38.45	PASS

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Band26	5MHz	16QAM	27015	1RB#0	22.19	19.54	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	23.46	20.81	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.81	20.16	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#0	21.91	19.26	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#13	22.10	19.45	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#6	22.03	19.38	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.85	19.20	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	24.04	21.39	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.91	21.26	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.89	21.24	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#0	22.85	20.20	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#12	22.90	20.25	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#25	22.86	20.21	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.95	20.30	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.64	20.99	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	24.05	21.40	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	23.83	21.18	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#0	22.86	20.21	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.87	20.22	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#25	22.97	20.32	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	23.13	20.48	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.88	21.23	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.89	21.24	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.86	21.21	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.91	20.26	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.99	20.34	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	22.73	20.08	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	22.84	20.19	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.68	20.03	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.91	20.26	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.45	19.80	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#0	21.77	19.12	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#12	22.01	19.36	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#25	21.88	19.23	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.92	19.27	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.37	19.72	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.57	19.92	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.30	19.65	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#0	22.07	19.42	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#12	22.05	19.40	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#25	22.16	19.51	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	22.11	19.46	38.45	PASS

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Band26	10MHz	16QAM	26990	1RB#0	22.77	20.12	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.77	20.12	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.39	19.74	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#0	21.96	19.31	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#12	22.03	19.38	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#25	21.89	19.24	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.93	19.28	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	24.25	21.6	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	24.10	21.45	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	24.22	21.57	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#0	23.30	20.65	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#18	23.36	20.71	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#39	23.35	20.7	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	23.22	20.57	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	24.08	21.43	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	24.28	21.63	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	24.21	21.56	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#0	23.34	20.69	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#18	23.17	20.52	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#39	23.20	20.55	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	23.23	20.58	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	24.18	21.53	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	24.14	21.49	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	24.12	21.47	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#0	23.24	20.59	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#18	23.21	20.56	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#39	23.10	20.45	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	23.24	20.59	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.32	19.67	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.47	19.82	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.46	19.81	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#0	22.07	19.42	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#18	22.26	19.61	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#39	22.17	19.52	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	22.12	19.47	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.25	19.6	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.23	19.58	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.34	19.69	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#0	22.22	19.57	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#18	22.14	19.49	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#39	22.08	19.43	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	22.13	19.48	38.45	PASS

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Band26	15MHz	16QAM	26965	1RB#0	22.69	20.04	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	23.25	20.6	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.41	19.76	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#0	22.22	19.57	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#18	22.39	19.74	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#39	22.07	19.42	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	22.10	19.45	38.45	PASS

Note:

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



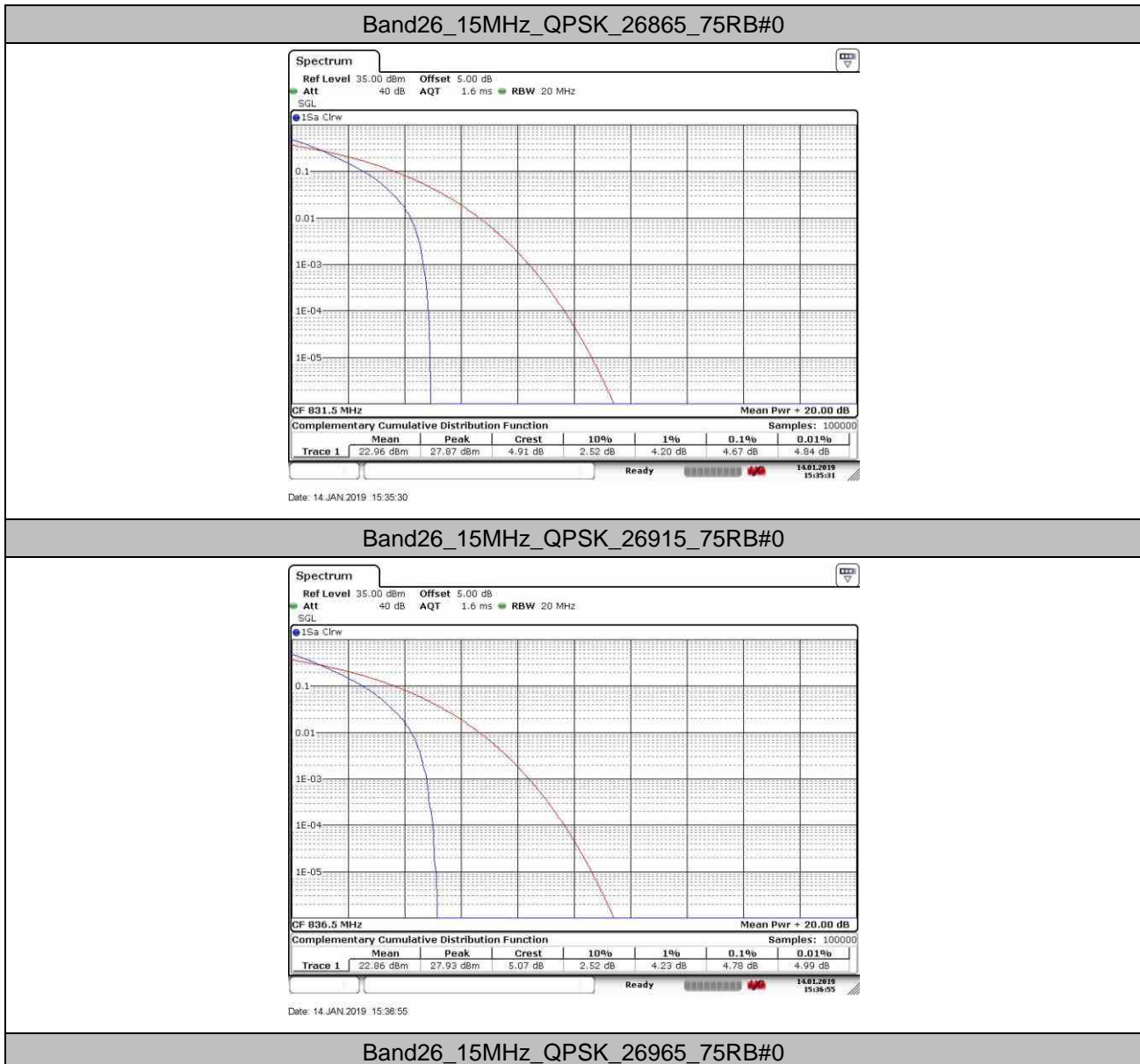


## 2. Peak-to-Average Ratio(CCDF)

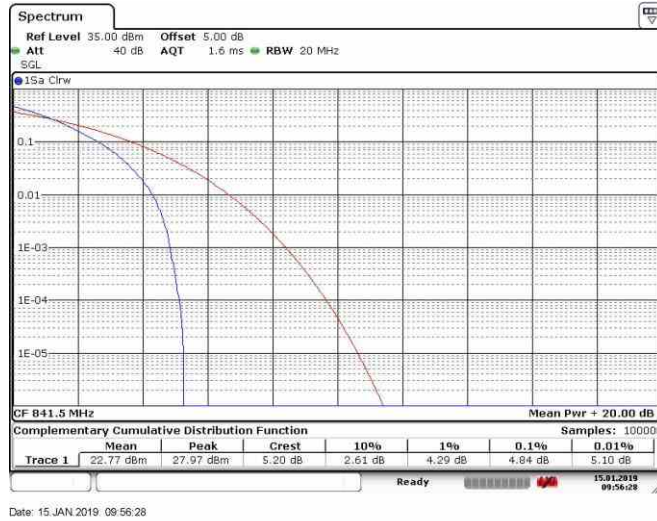
### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.67	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.78	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.84	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	5.59	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	5.65	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.77	13	PASS

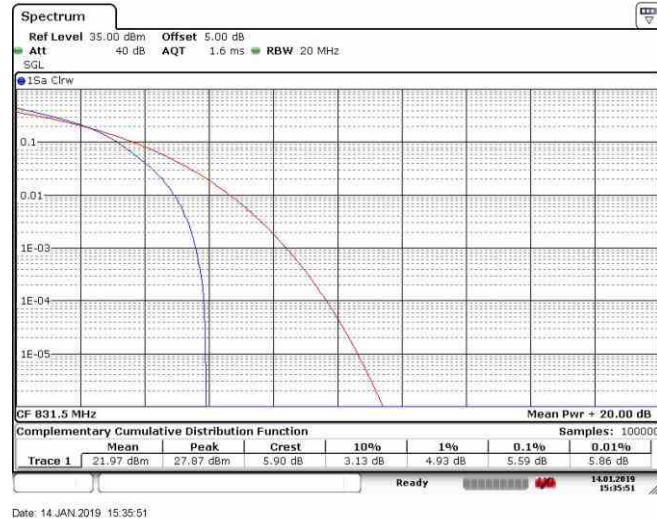
### 2.2. Test Plots



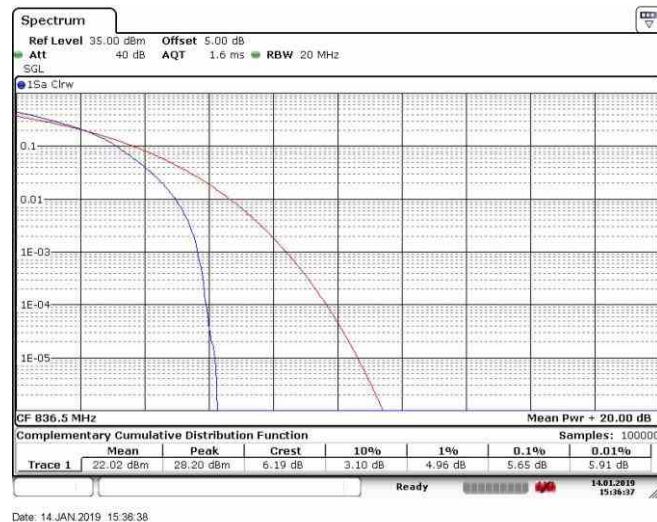
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**Band26\_15MHz\_16QAM\_26865\_75RB#0**

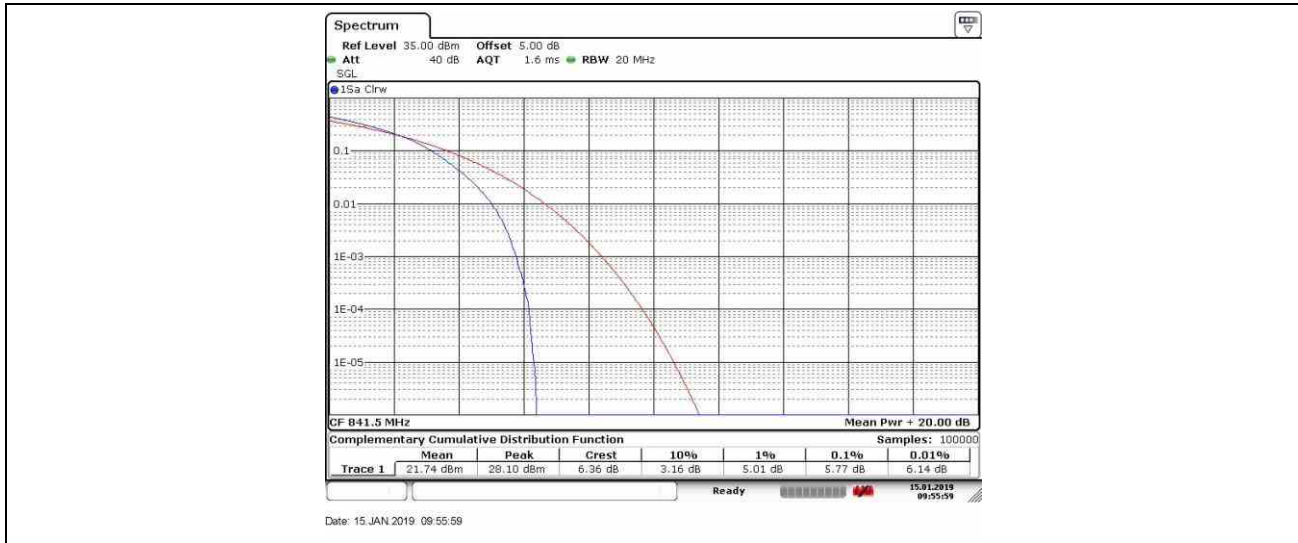


**Band26\_15MHz\_16QAM\_26915\_75RB#0**



**Band26\_15MHz\_16QAM\_26965\_75RB#0**

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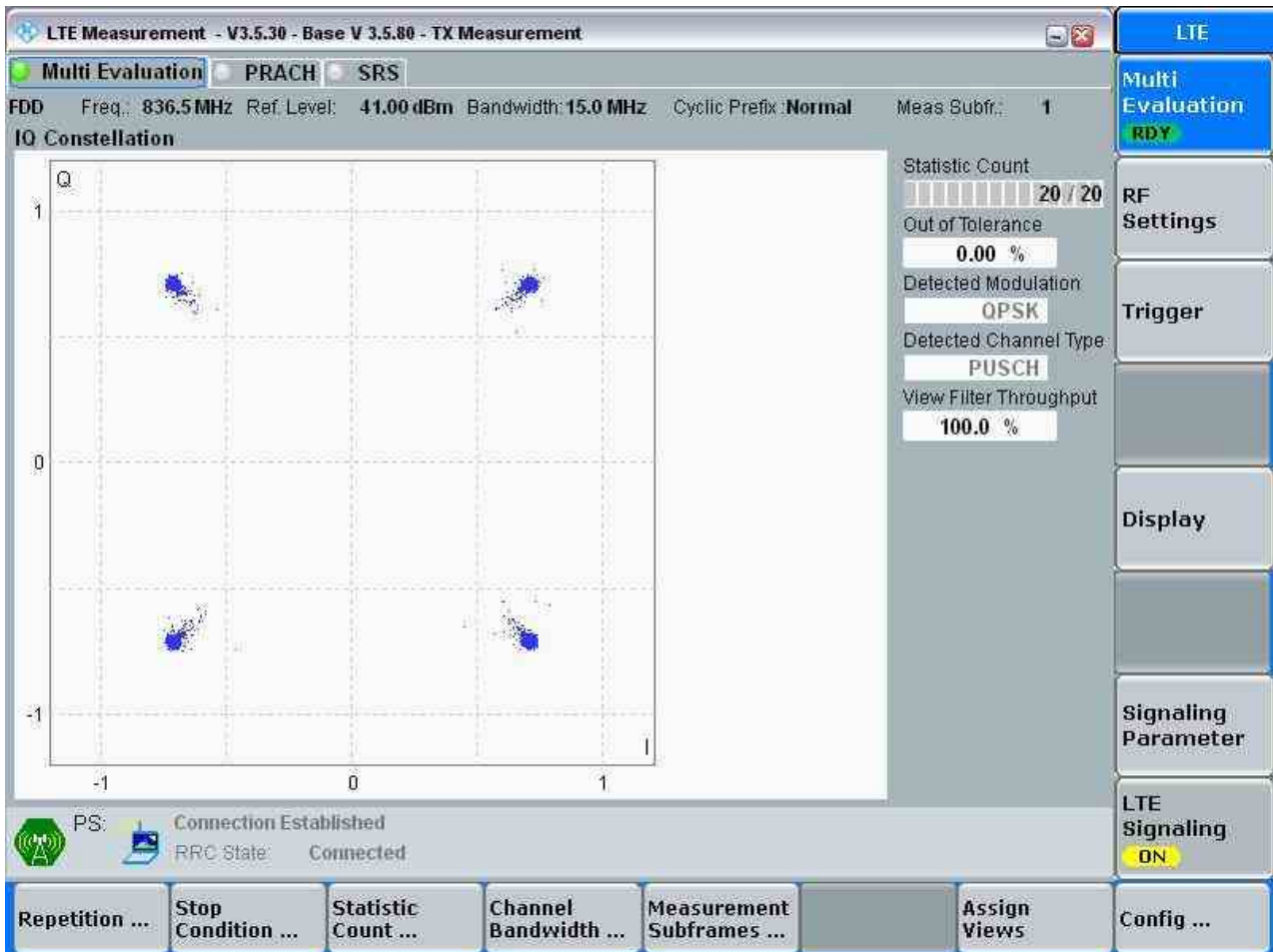
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### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 26

##### 3.1.1. Test Mode = LTE /TM1 15MHz

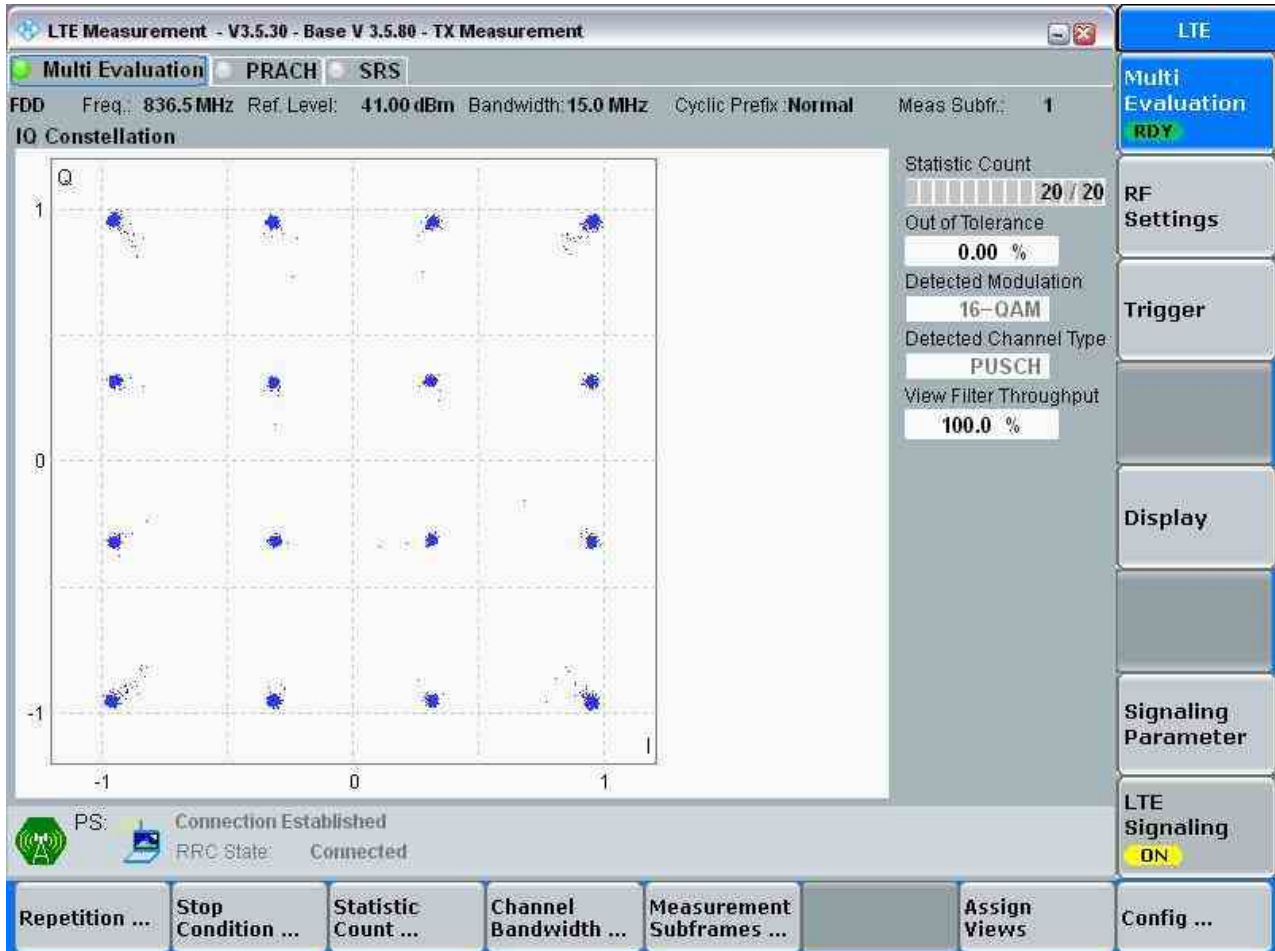
##### 3.1.1.1. Test Channel = MCH





### 3.1.2. Test Mode = LTE /TM2 15MHz

#### 3.1.2.1. Test Channel = MCH



## 4. 26dB Bandwidth and Occupied Bandwidth

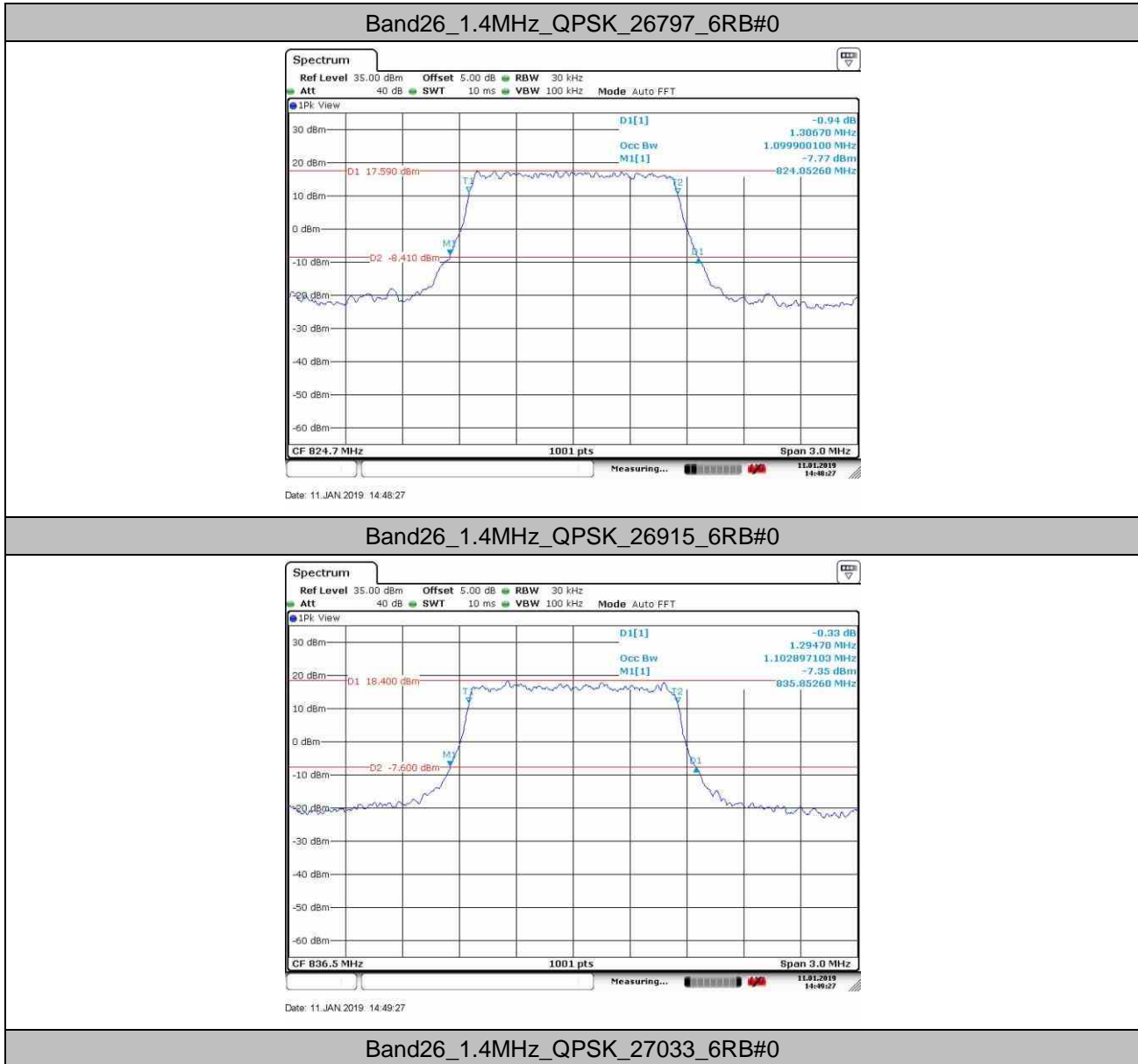
### 4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.100	1.307	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.103	1.298	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.097	1.313	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.097	1.298	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.103	1.313	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.100	1.307	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.691	2.925	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.685	2.943	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.691	2.925	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.679	2.937	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.685	2.913	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.685	2.943	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.476	4.905	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.486	4.935	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.486	4.905	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.486	4.935	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.476	4.945	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.466	4.845	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.951	9.730	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.911	9.650	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.931	9.715	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.951	9.690	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.931	9.643	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.911	9.635	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.457	14.835	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.367	14.720	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.427	14.815	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.457	14.685	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.427	14.720	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.457	14.785	PASS

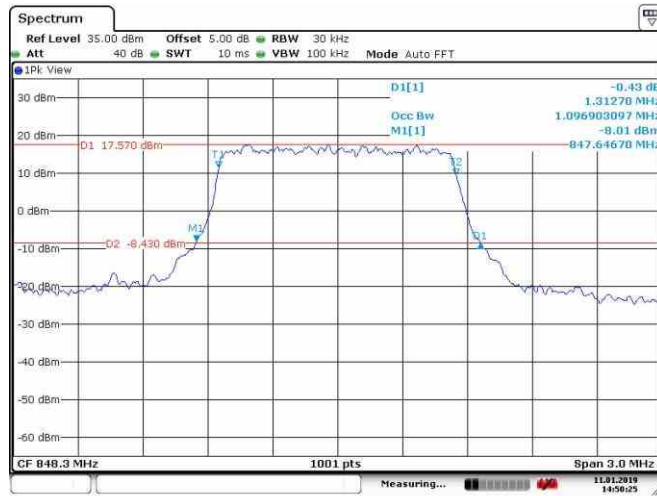
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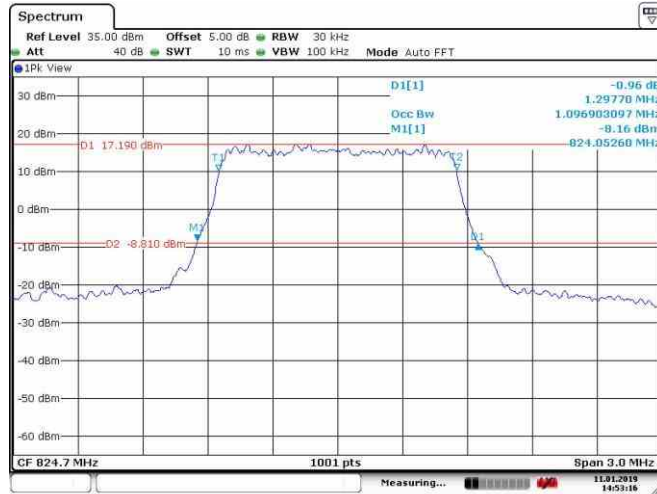
### 4.2. Test Plots



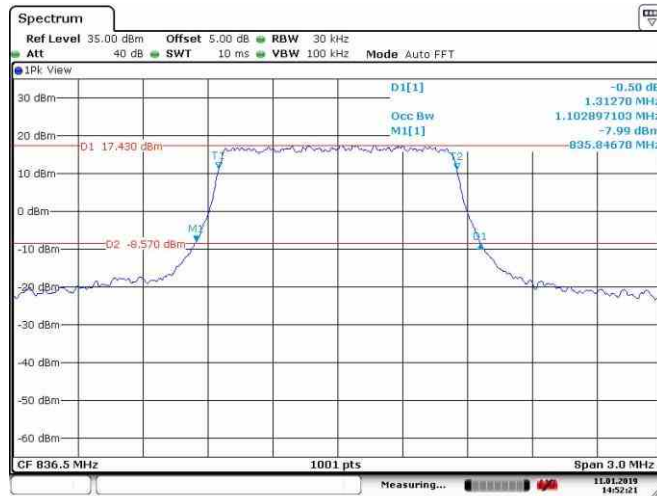
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**Band26\_1.4MHz\_16QAM\_26797\_6RB#0**

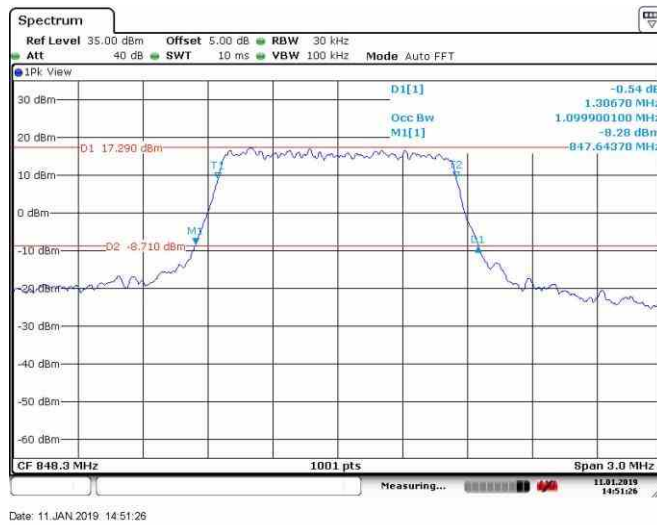


**Band26\_1.4MHz\_16QAM\_26915\_6RB#0**

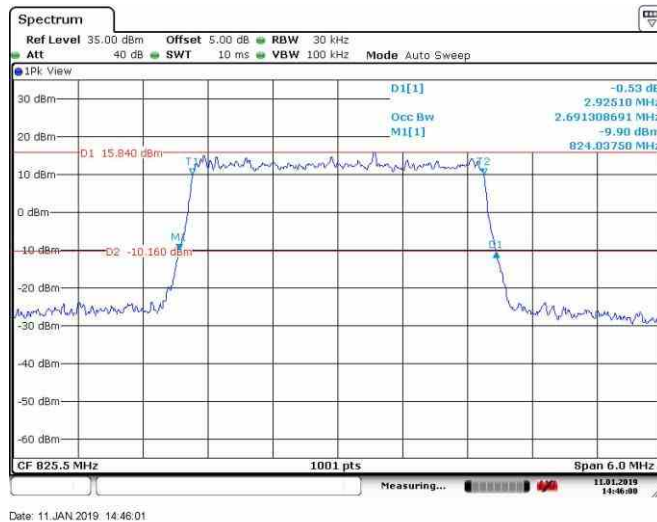


**Band26\_1.4MHz\_16QAM\_27033\_6RB#0**

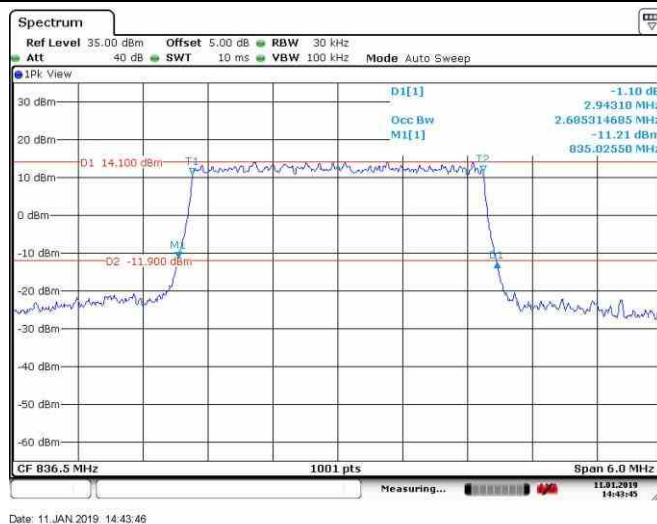
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**Band26\_3MHz\_QPSK\_26805\_15RB#0**

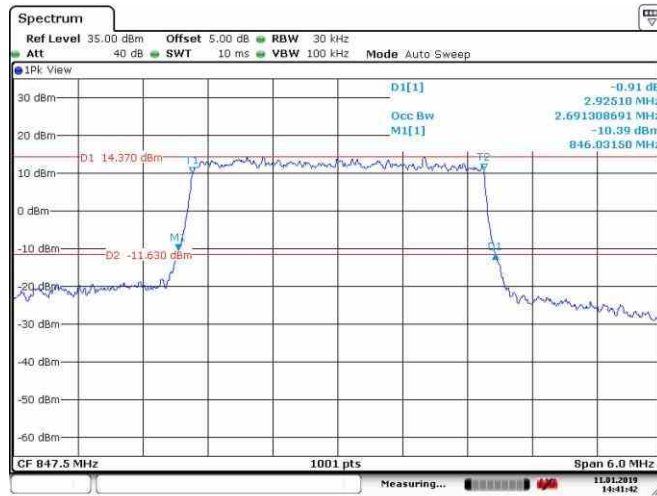


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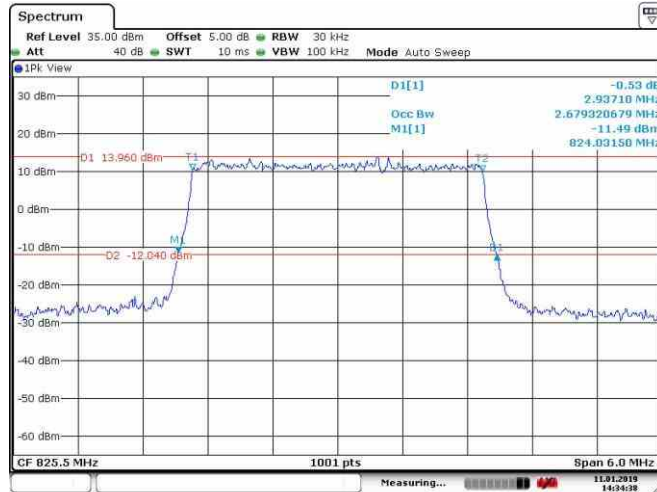
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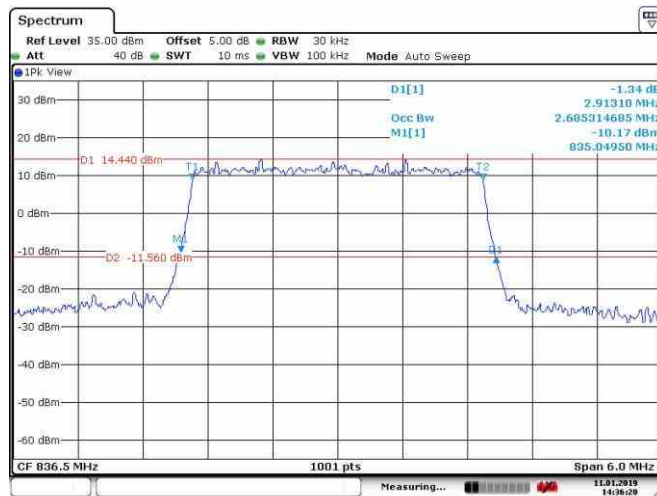
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Date: 11 JAN 2019 14:34:38

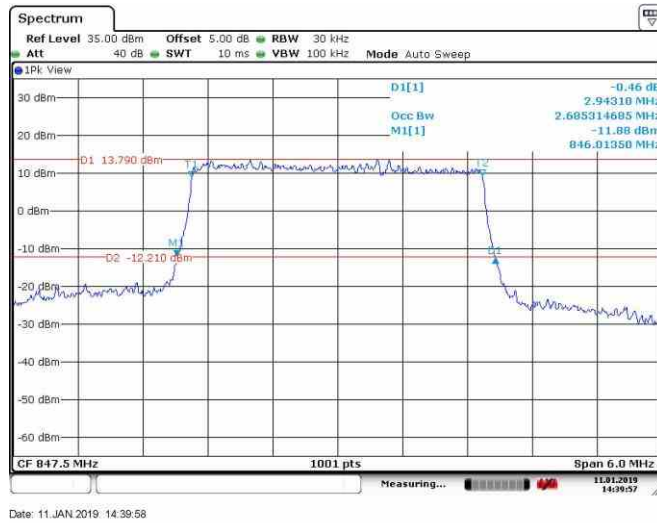
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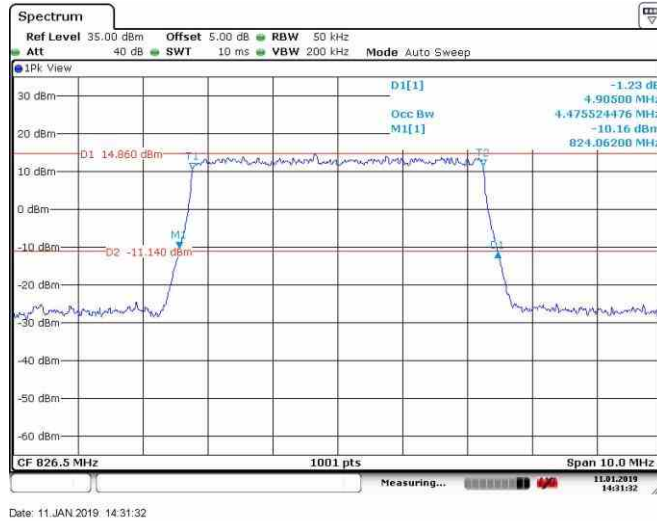
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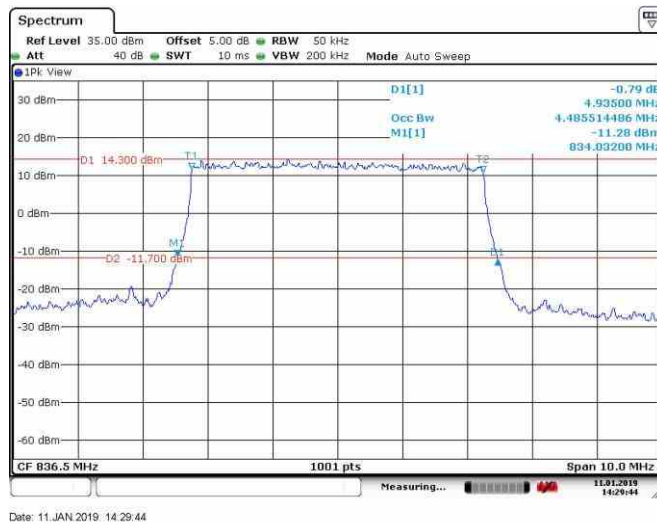
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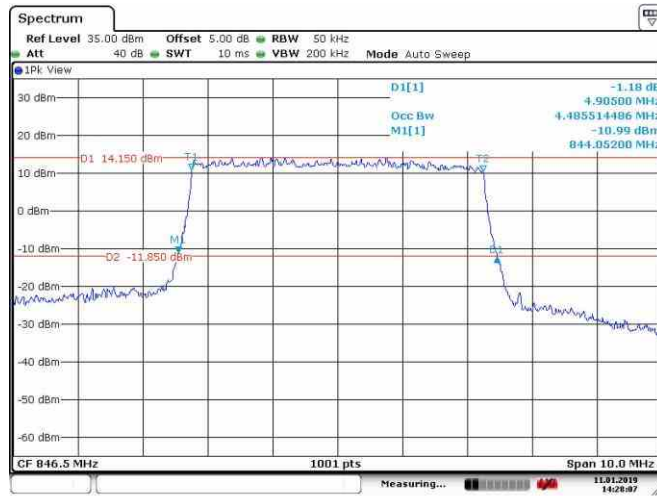
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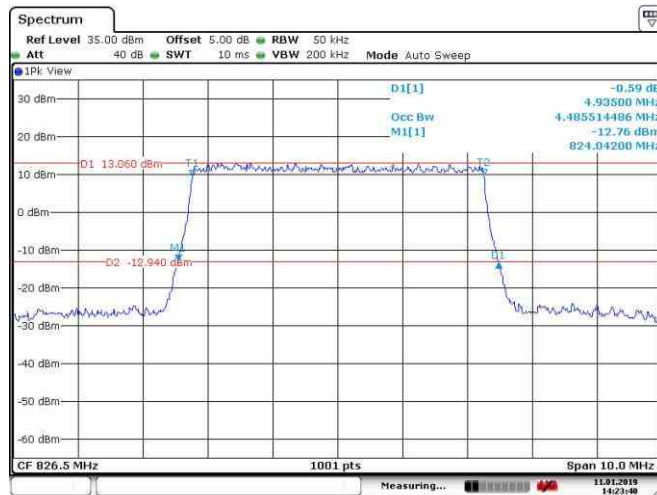
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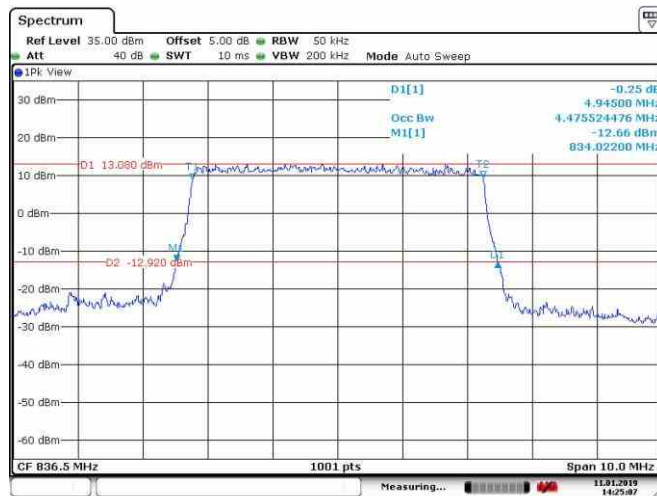
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**Band26\_5MHz\_16QAM\_26815\_25RB#0**



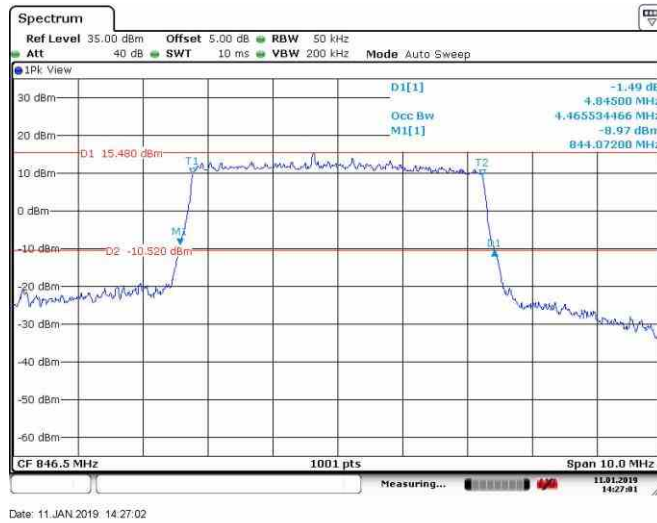
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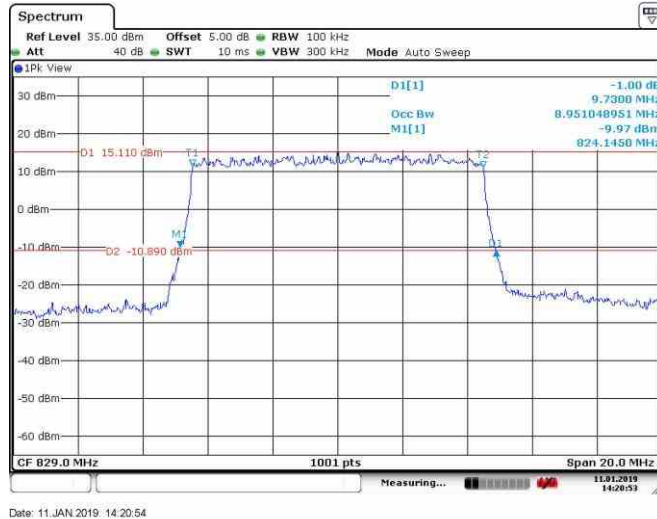
**Band26\_5MHz\_16QAM\_27015\_25RB#0**

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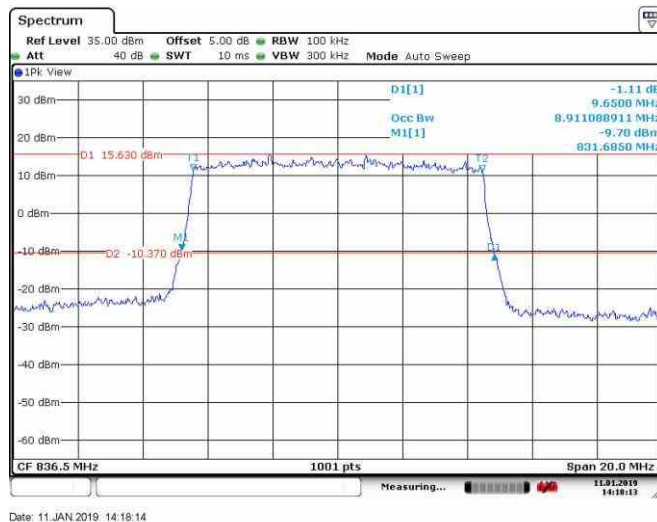




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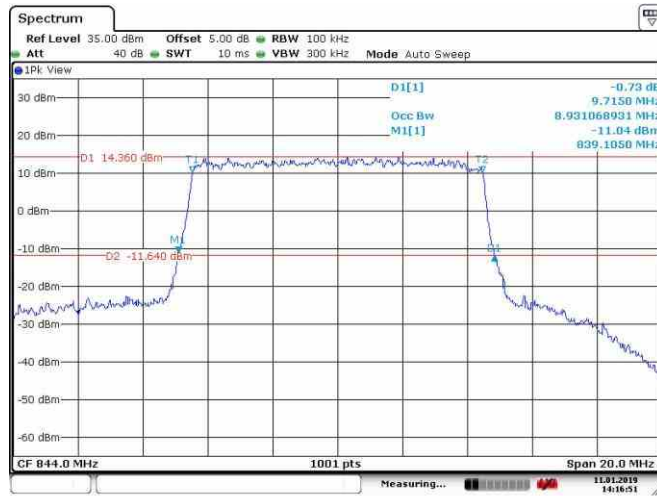


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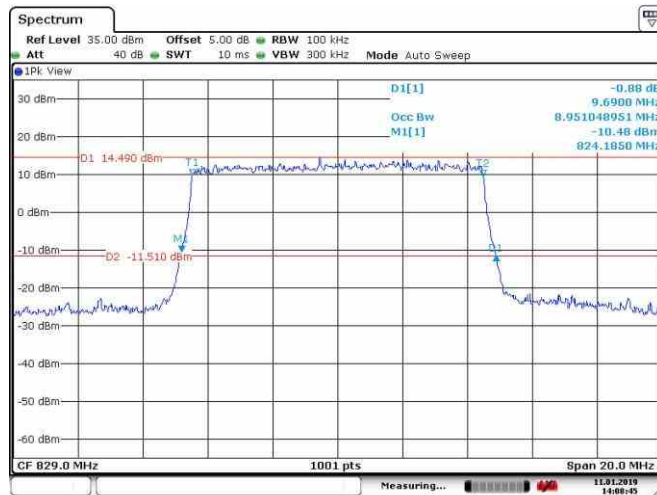


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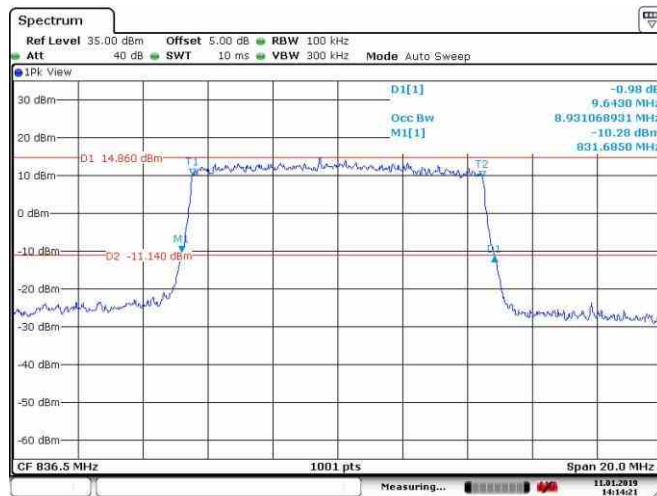
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**Band26\_10MHz\_16QAM\_26840\_50RB#0**

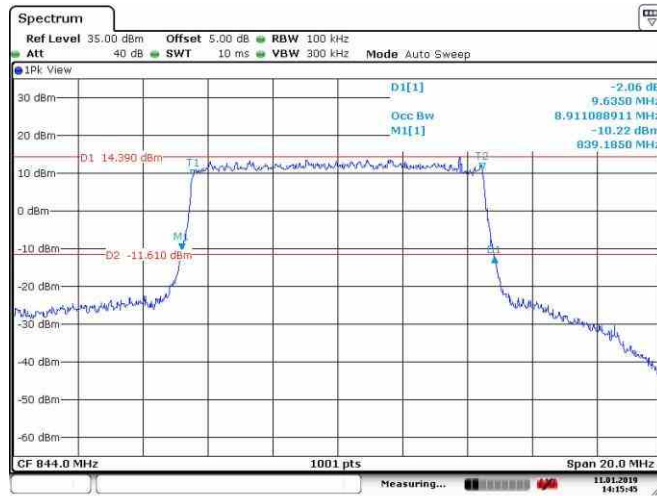


**Band26\_10MHz\_16QAM\_26915\_50RB#0**



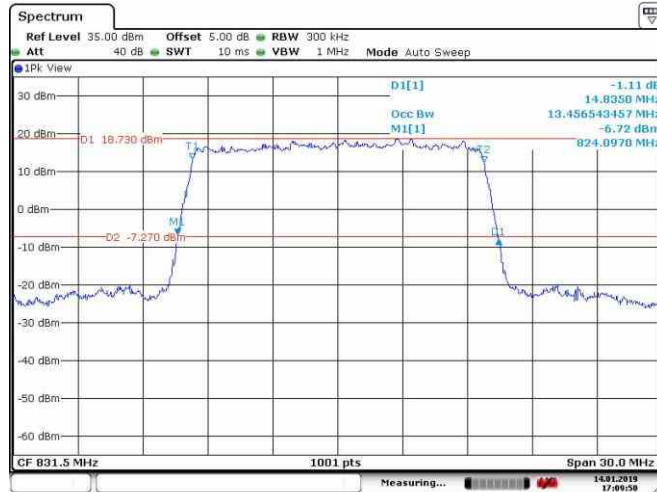
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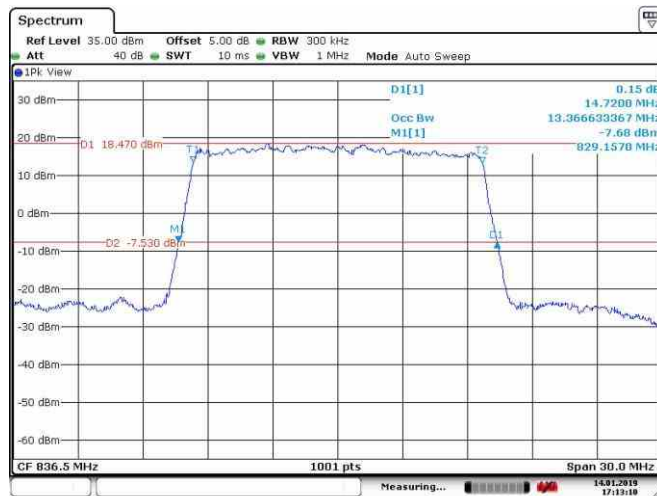
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**Band26\_15MHz\_QPSK\_26865\_75RB#0**



Date: 14 JAN 2019 17:09:50

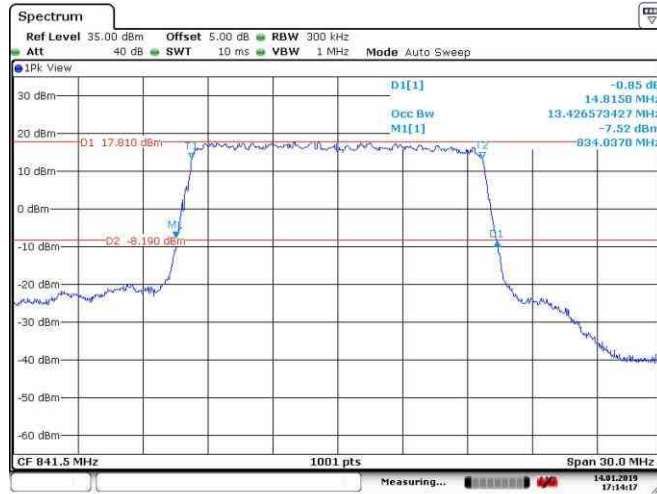
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Date: 14 JAN 2019 17:13:10

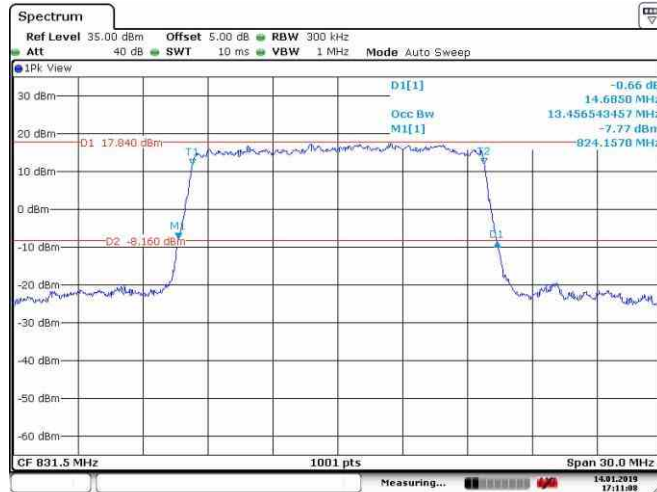
**Band26\_15MHz\_QPSK\_26965\_75RB#0**

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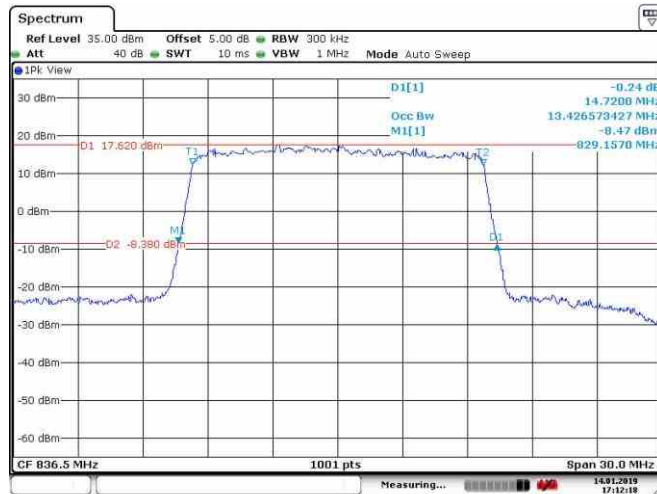
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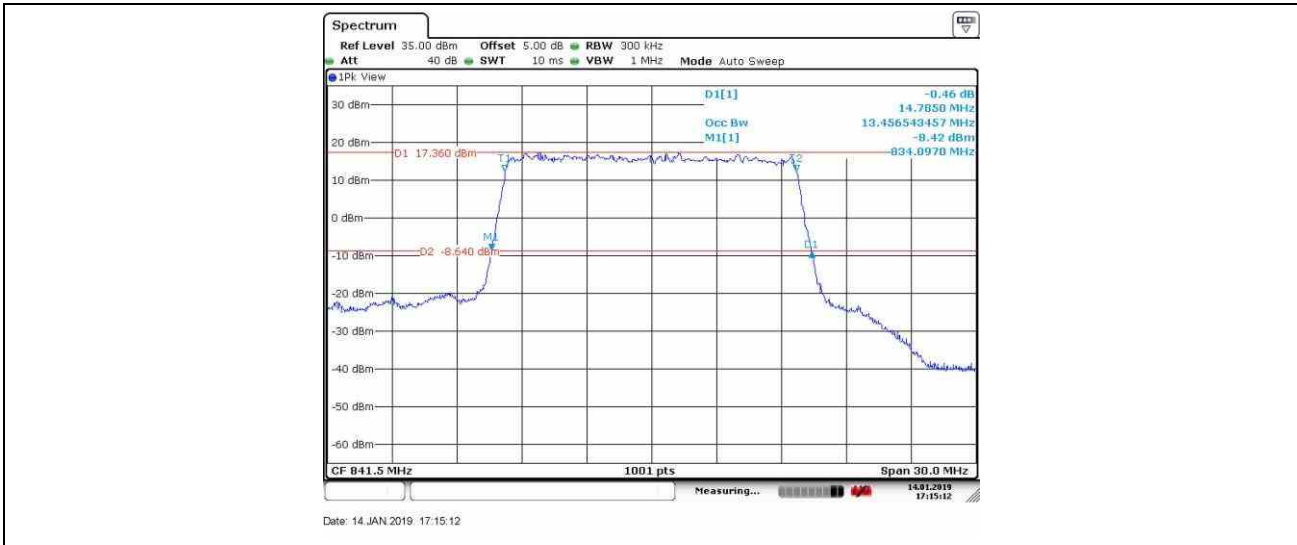
**Band26\_15MHz\_16QAM\_26915\_75RB#0**



Date: 14 JAN 2019 17:12:19

**Band26\_15MHz\_16QAM\_26965\_75RB#0**

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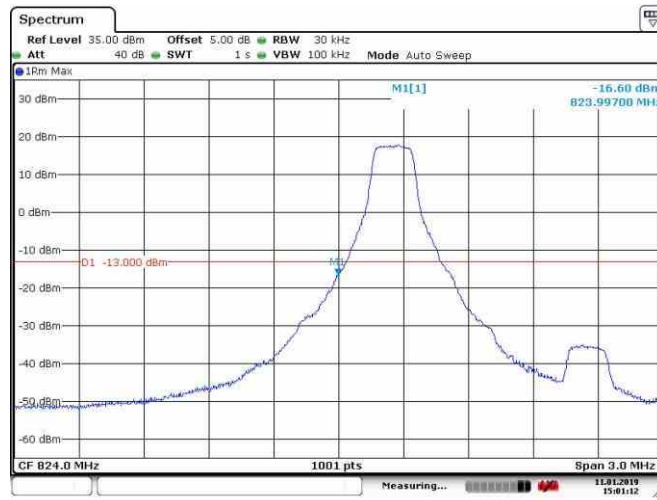


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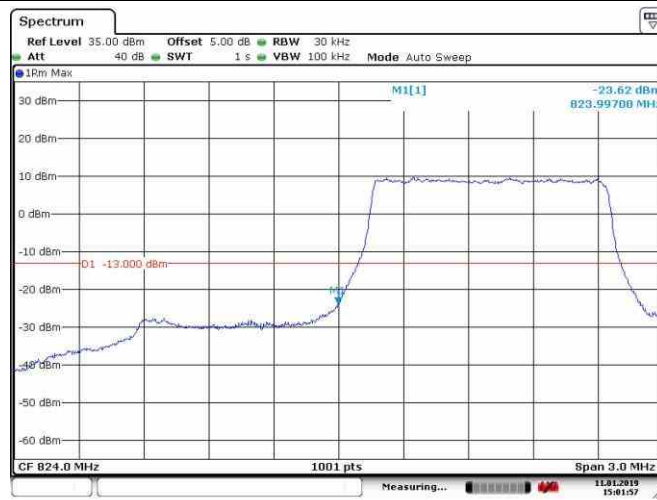
## 5. Band Edge Compliance

### 5.1. Test Plots

Band26\_1.4MHz\_QPSK\_26797\_1RB#0

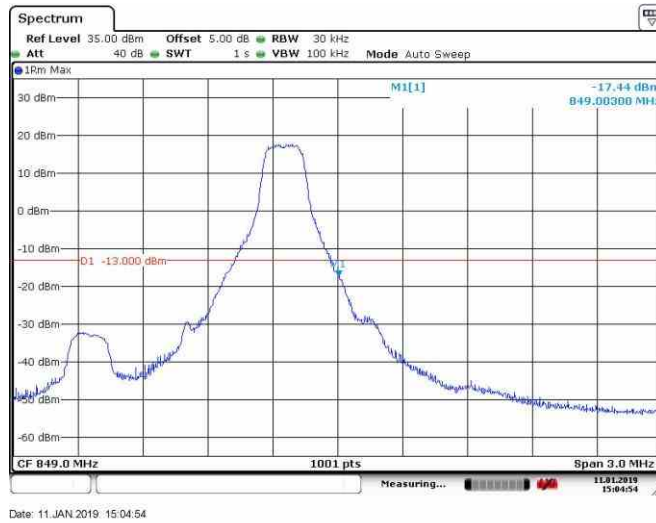


Band26\_1.4MHz\_QPSK\_26797\_6RB#0



Band26\_1.4MHz\_QPSK\_27033\_1RB#5

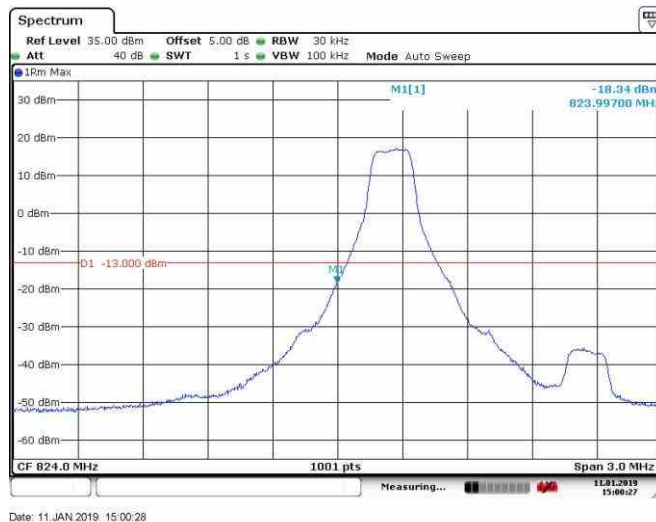




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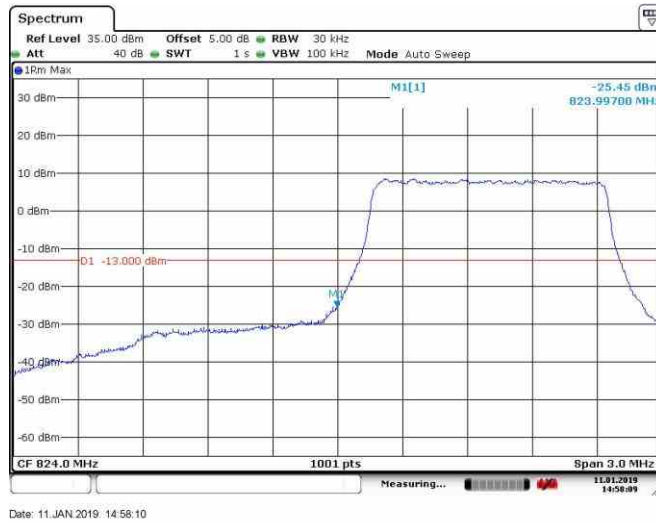


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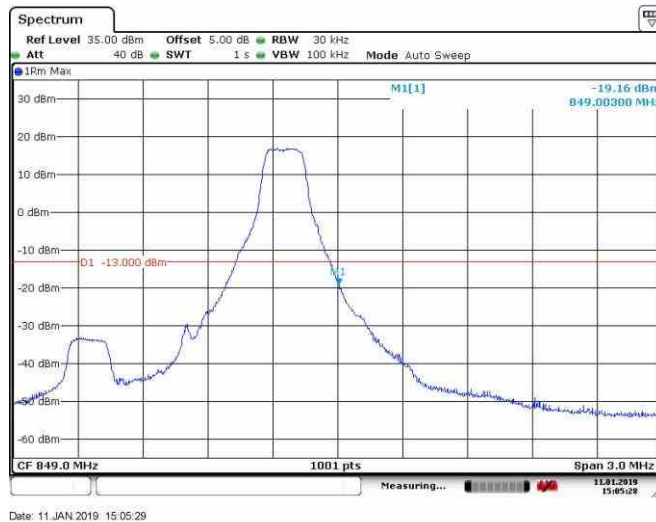


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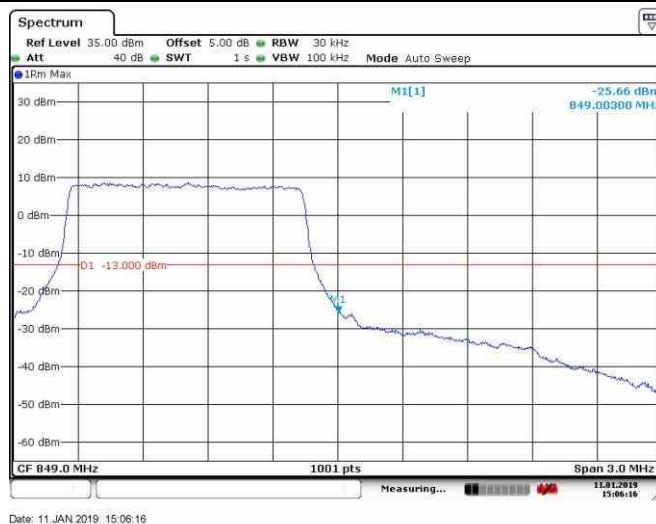
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**Band26\_1.4MHz\_16QAM\_27033\_1RB#5**

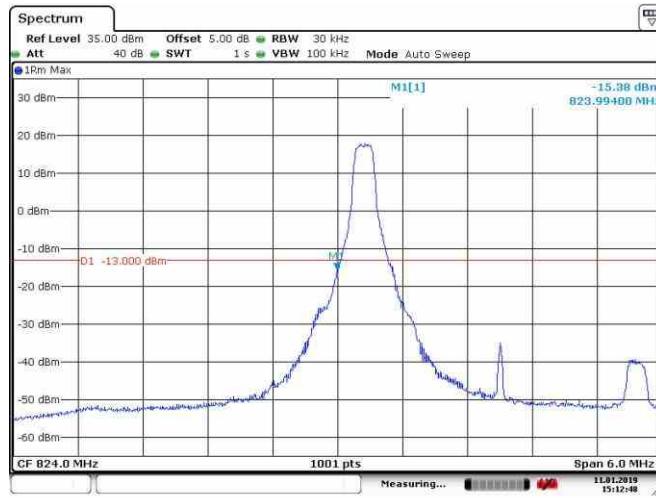


**Band26\_1.4MHz\_16QAM\_27033\_6RB#0**



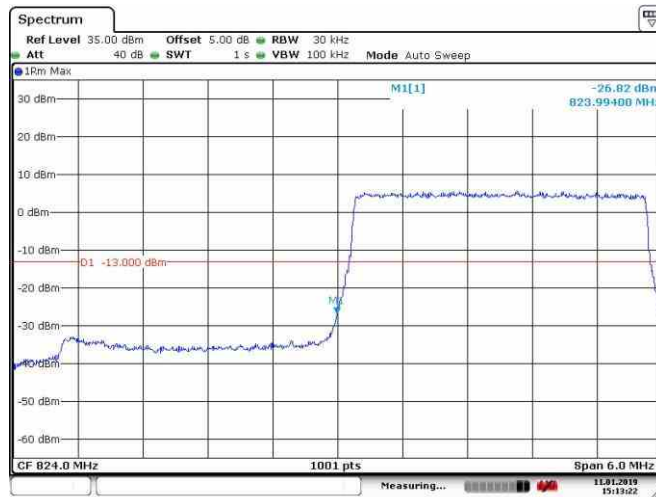
**Band26\_3MHz\_QPSK\_26805\_1RB#0**

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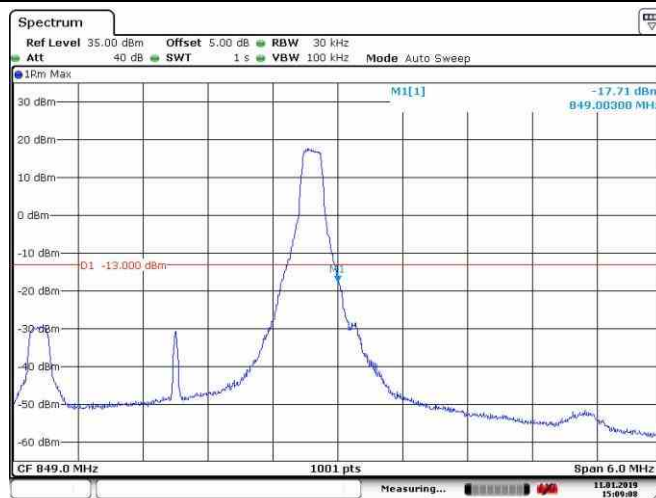
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**Band26\_3MHz\_QPSK\_26805\_15RB#0**



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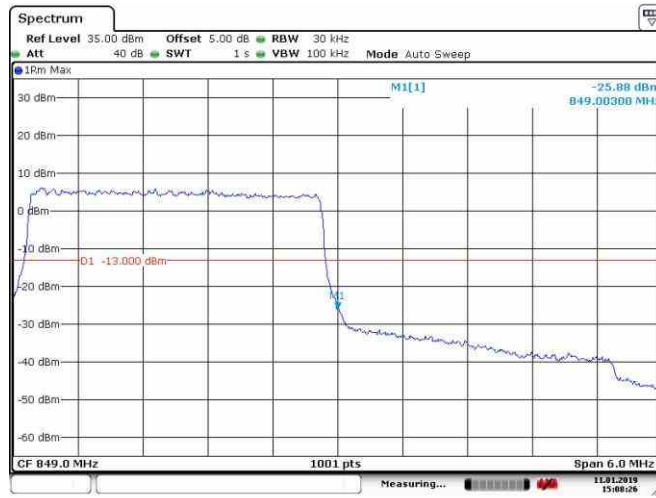
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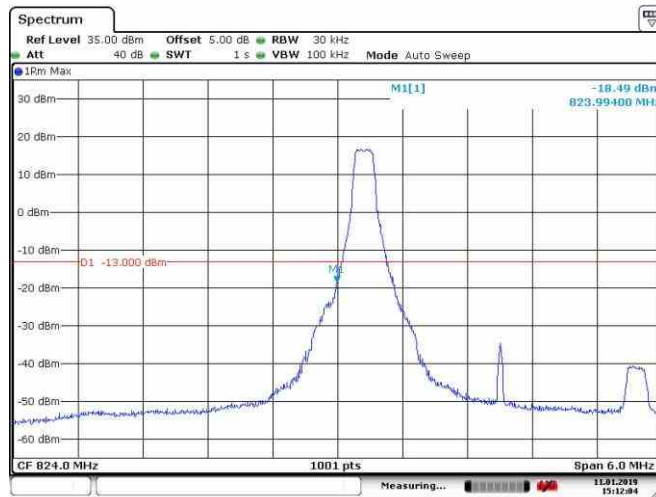
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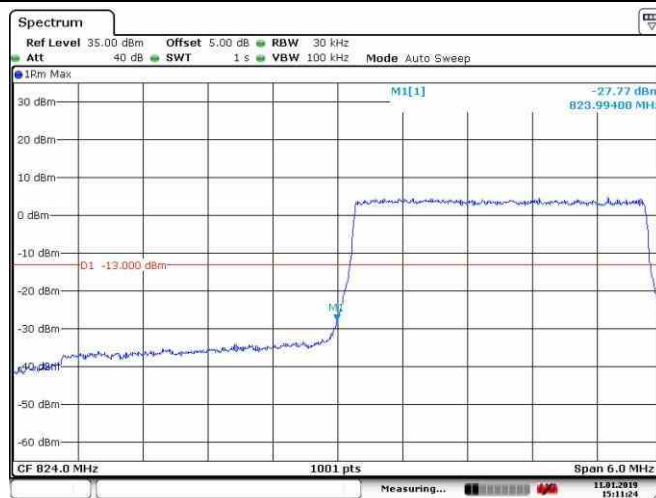
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**Band26\_3MHz\_16QAM\_26805\_1RB#0**



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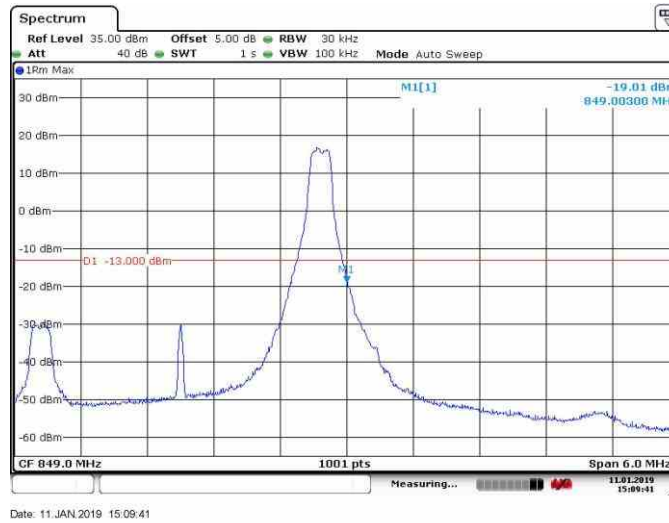
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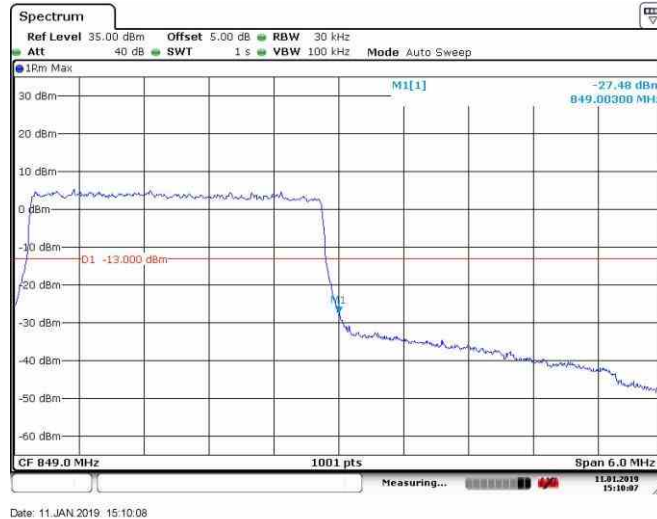
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**Band26\_3MHz\_16QAM\_27025\_1RB#14**

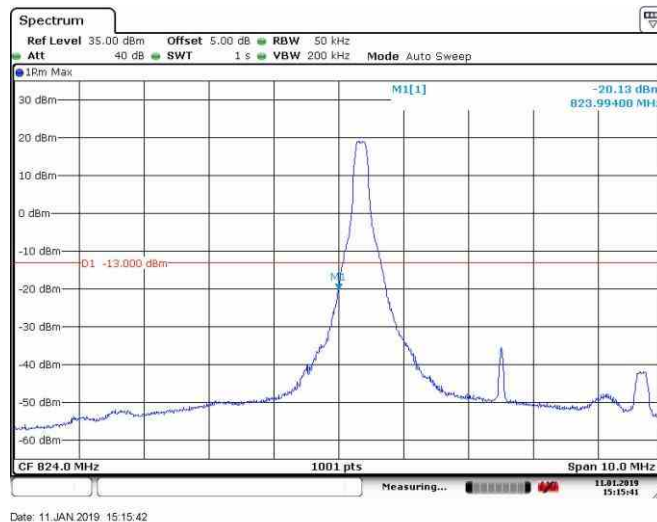
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**Band26\_3MHz\_16QAM\_27025\_15RB#0**

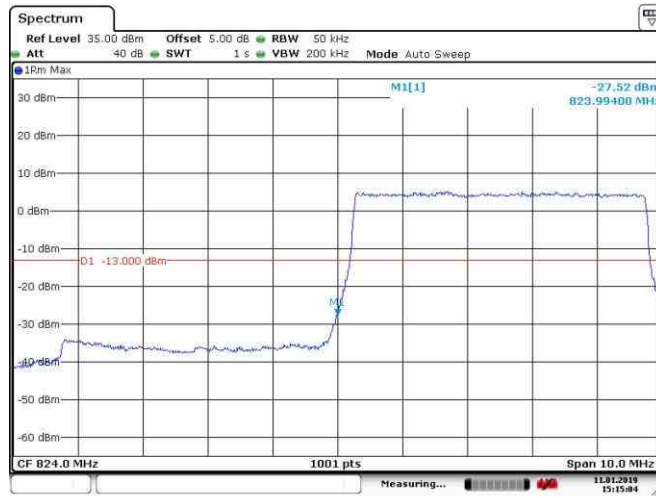


**Band26\_5MHz\_QPSK\_26815\_1RB#0**



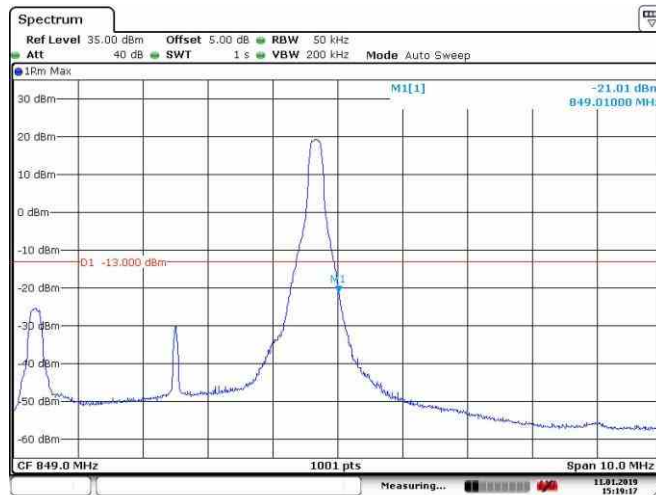
**Band26\_5MHz\_QPSK\_26815\_25RB#0**

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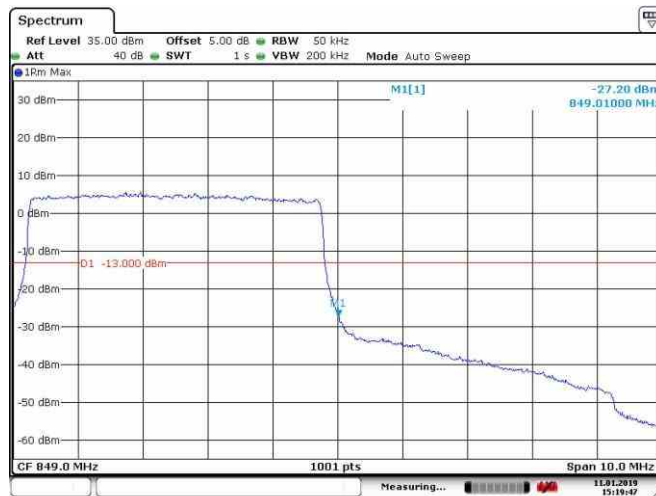
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Date: 11.JAN.2019 15:19:17

**Band26\_5MHz\_QPSK\_27015\_25RB#0**

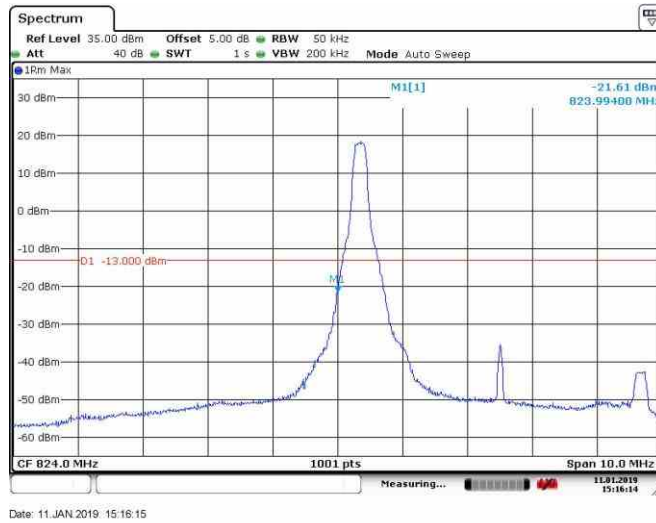


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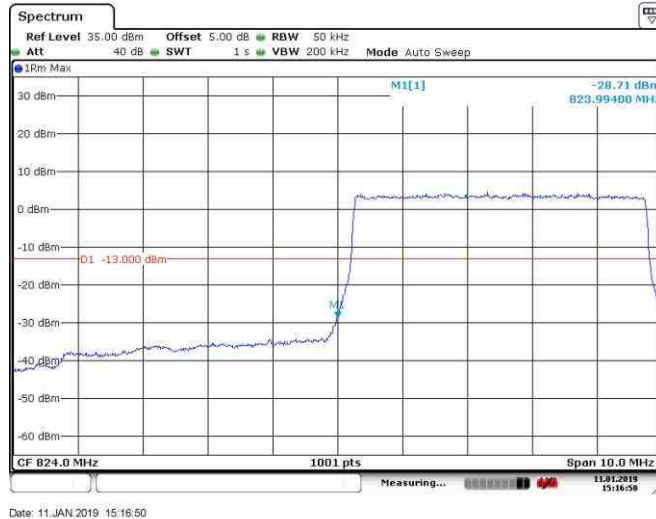
**Band26\_5MHz\_16QAM\_26815\_1RB#0**

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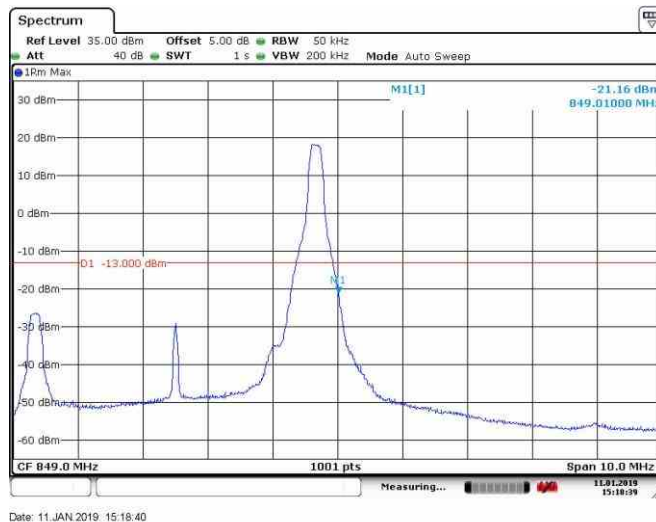




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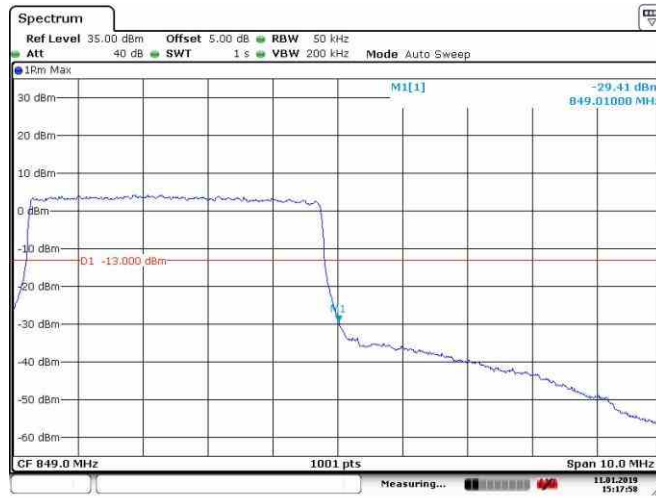


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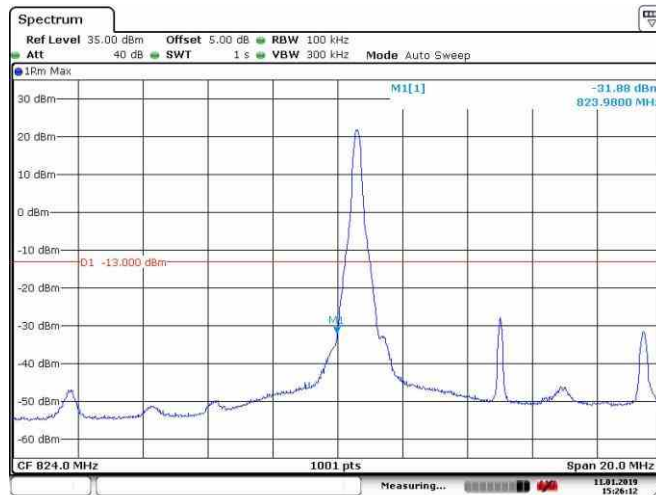
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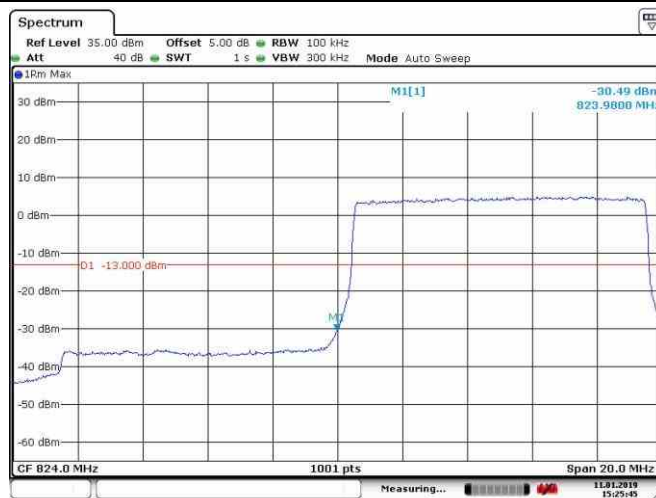
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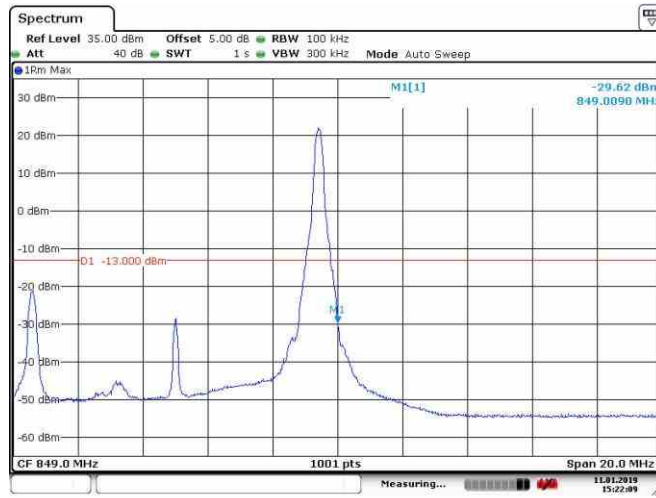
**Band26\_10MHz\_QPSK\_26840\_50RB#0**



Date: 11.JAN.2019 15:25:45

**Band26\_10MHz\_QPSK\_26990\_1RB#49**

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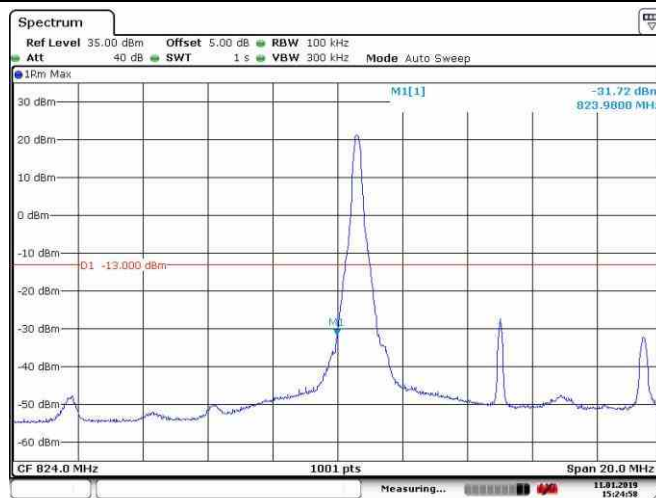
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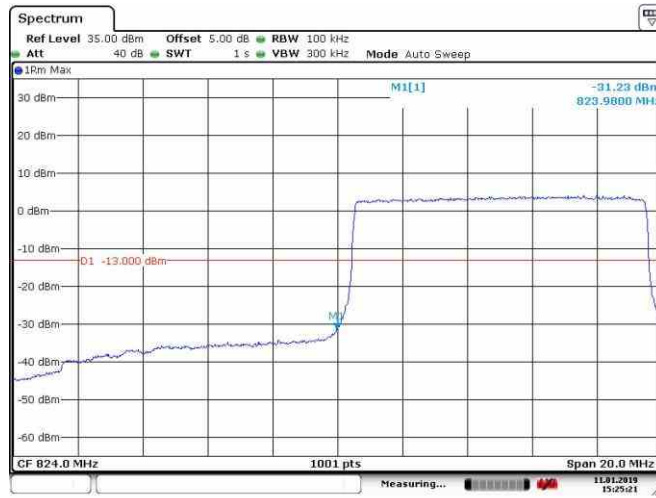
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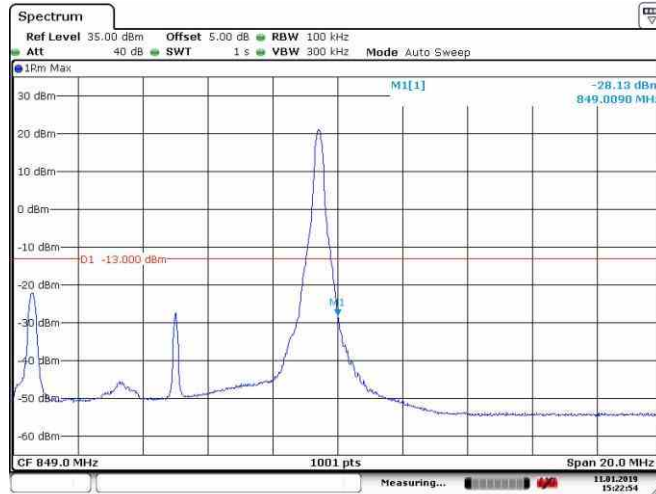
**Band26\_10MHz\_16QAM\_26840\_50RB#0**

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Date: 11.JAN.2019 15:25:21

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Date: 11.JAN.2019 15:22:54

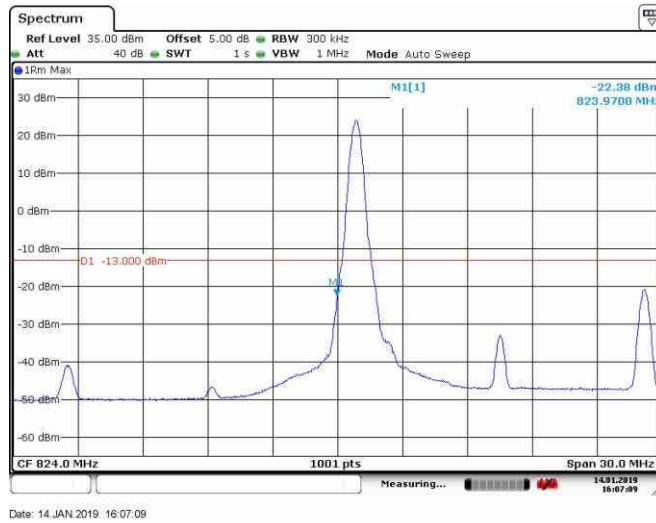
**Band26\_10MHz\_16QAM\_26990\_50RB#0**



Date: 11.JAN.2019 15:23:23

**Band26\_15MHz\_QPSK\_26865\_1RB#0**

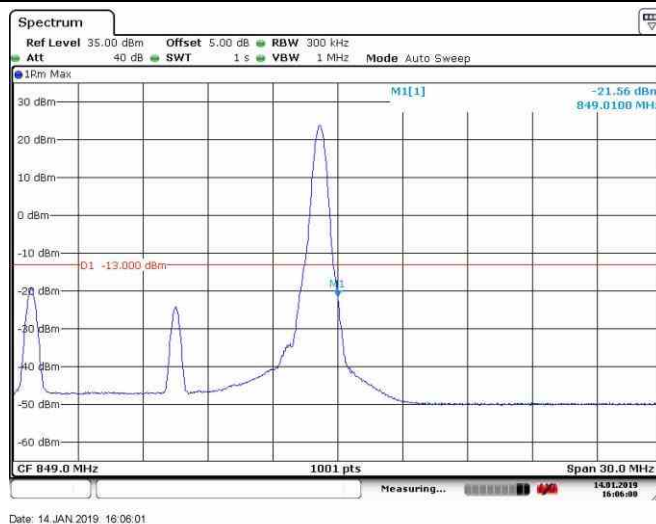
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**Band26\_15MHz\_QPSK\_26865\_75RB#0**

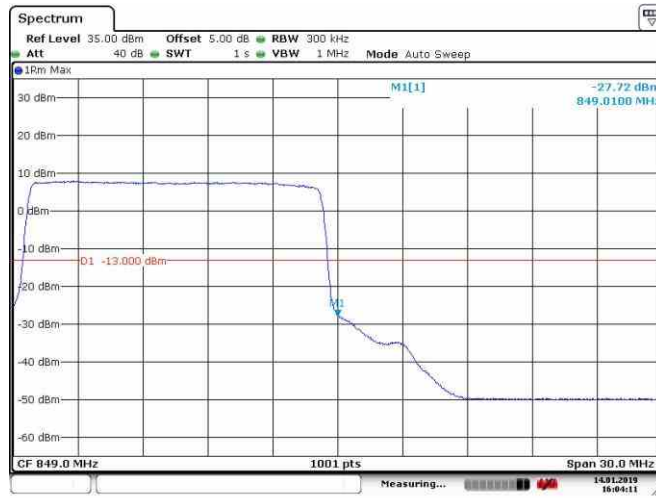


**Band26\_15MHz\_QPSK\_26965\_1RB#74**



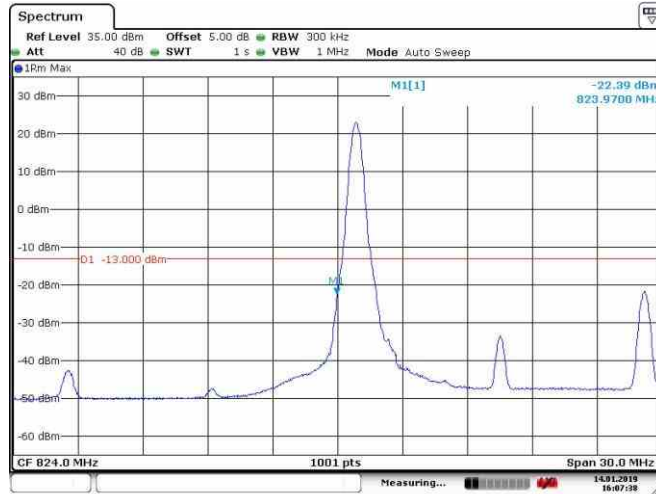
**Band26\_15MHz\_QPSK\_26965\_75RB#0**

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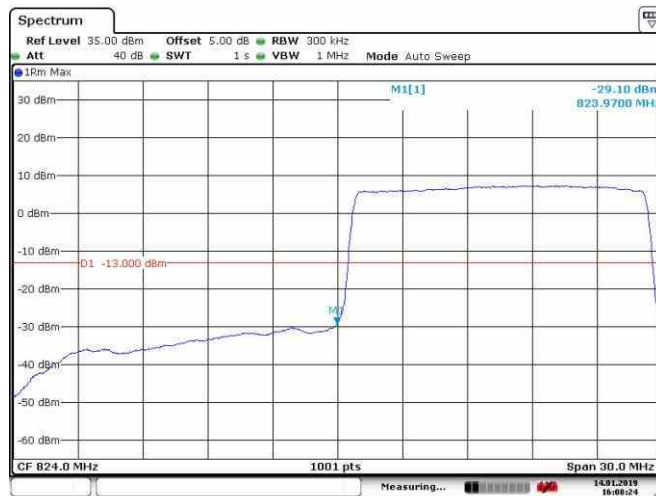
Date: 14 JAN 2019 16:04:12

**Band26\_15MHz\_16QAM\_26865\_1RB#0**



Date: 14 JAN 2019 16:07:38

**Band26\_15MHz\_16QAM\_26865\_75RB#0**

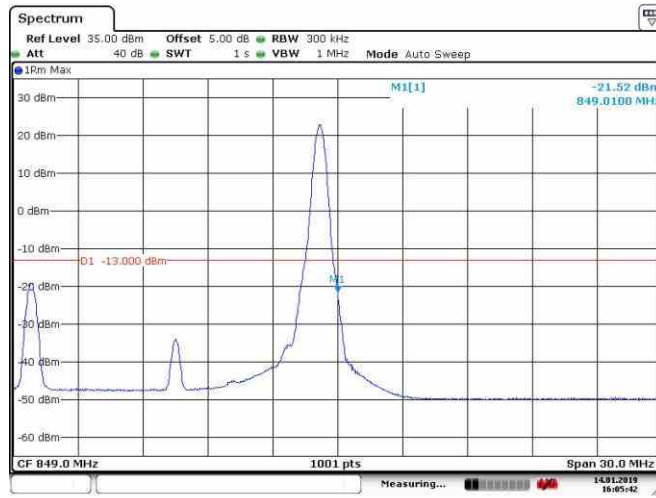


Date: 14 JAN 2019 16:08:24

**Band26\_15MHz\_16QAM\_26965\_1RB#74**

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Date: 14 JAN 2019 16:05:42

**Band26\_15MHz\_16QAM\_26965\_75RB#0**



Date: 14 JAN 2019 16:05:05

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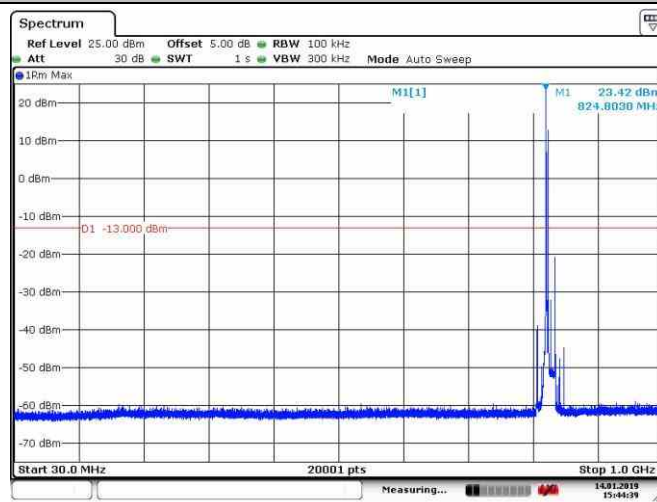
## 6. Spurious Emission at Antenna Terminal

NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

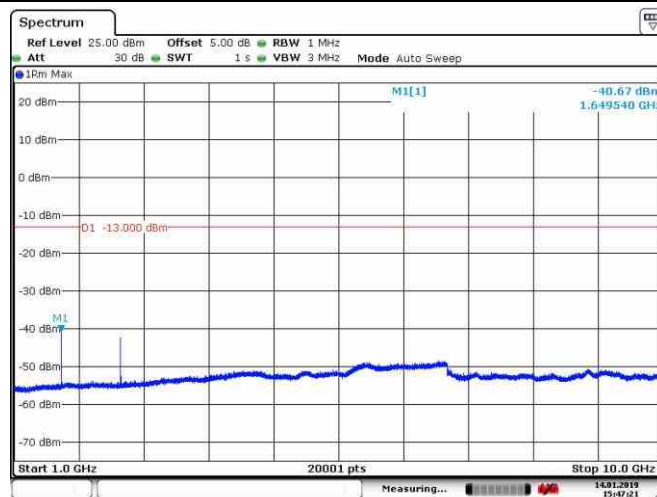
### 6.1. Test Plots

Band26\_15MHz\_QPSK\_26865\_1RB#0



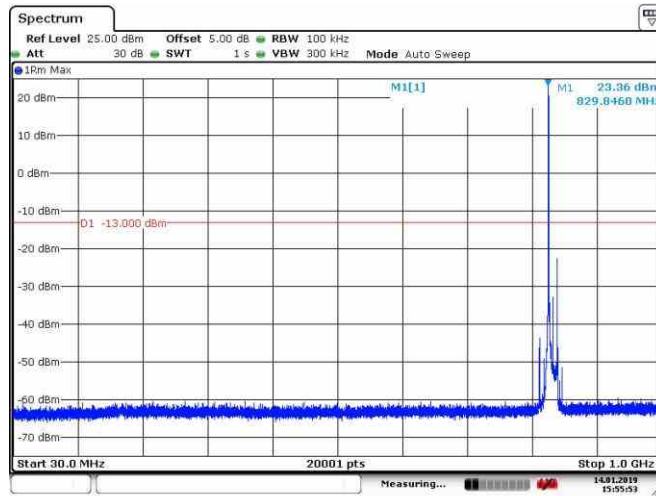
Date: 14 JAN 2019 15:44:40

Band26\_15MHz\_QPSK\_26865\_1RB#0



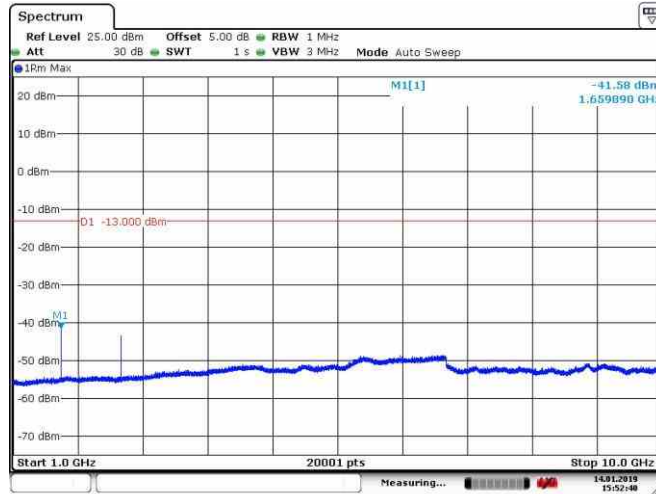
Date: 14 JAN 2019 15:47:22

Band26\_15MHz\_QPSK\_26915\_1RB#0



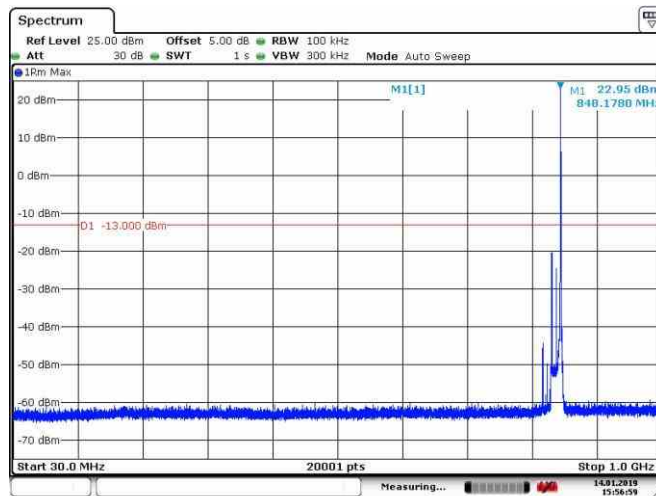
Date: 14 JAN 2019 15:55:53

**Band26\_15MHz\_QPSK\_26915\_1RB#0**



Date: 14 JAN 2019 15:52:41

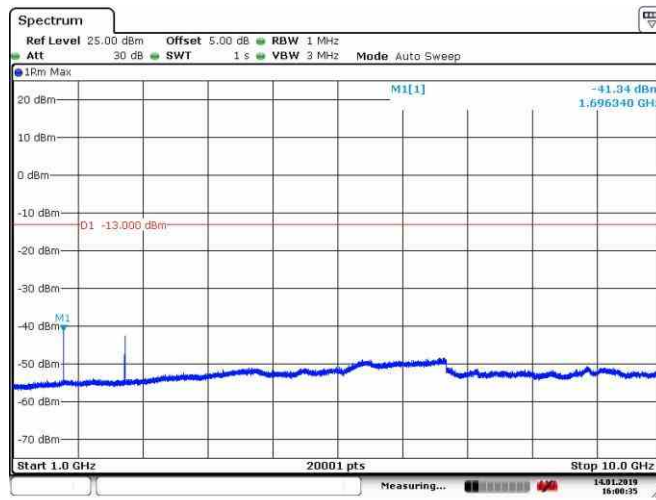
**Band26\_15MHz\_QPSK\_26965\_1RB#0**



Date: 14 JAN 2019 15:56:59

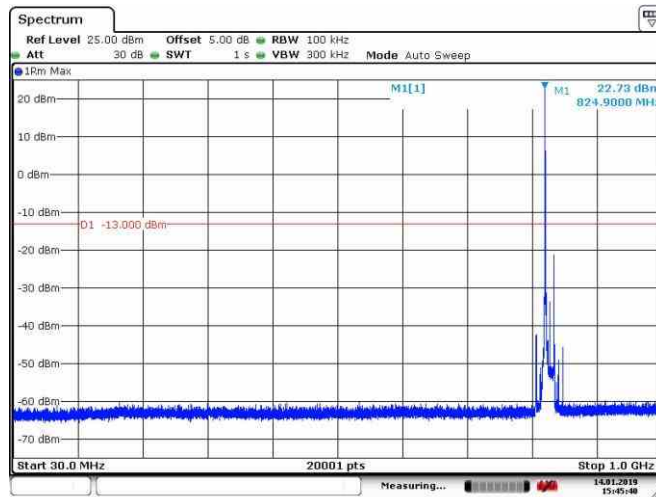
**Band26\_15MHz\_QPSK\_26965\_1RB#0**

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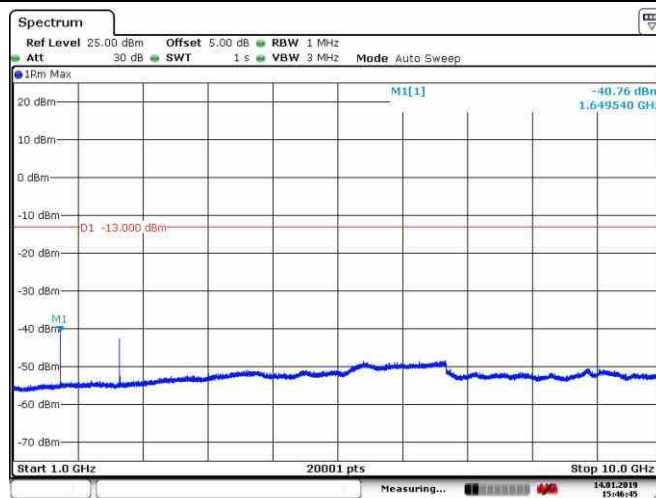
Date: 14 JAN 2019 16:00:35

**Band26\_15MHz\_16QAM\_26865\_1RB#0**



Date: 14 JAN 2019 15:45:40

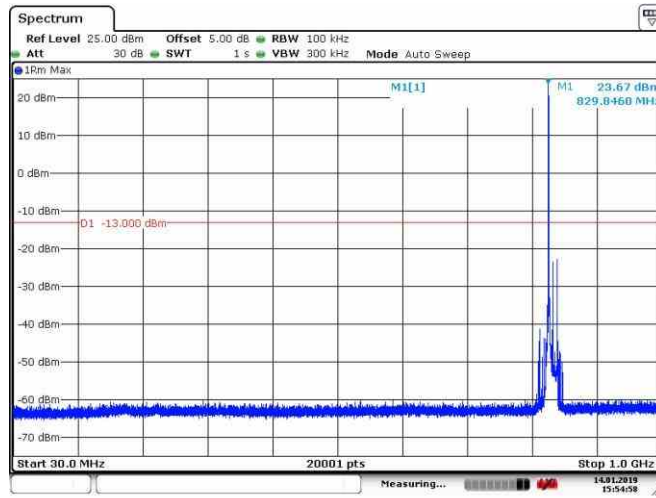
**Band26\_15MHz\_16QAM\_26865\_1RB#0**



Date: 14 JAN 2019 15:46:45

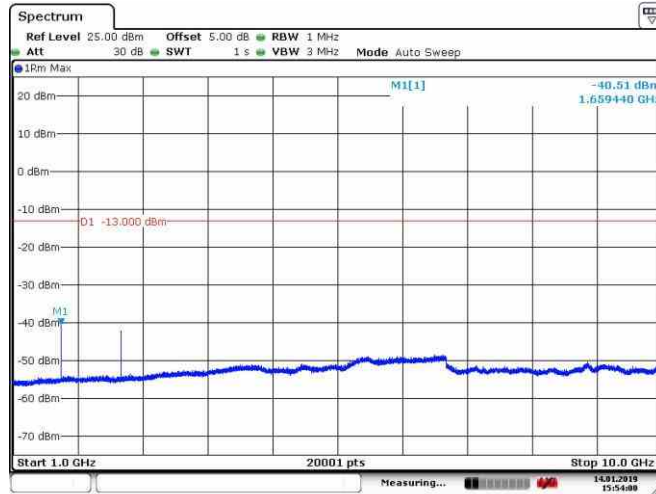
**Band26\_15MHz\_16QAM\_26915\_1RB#0**

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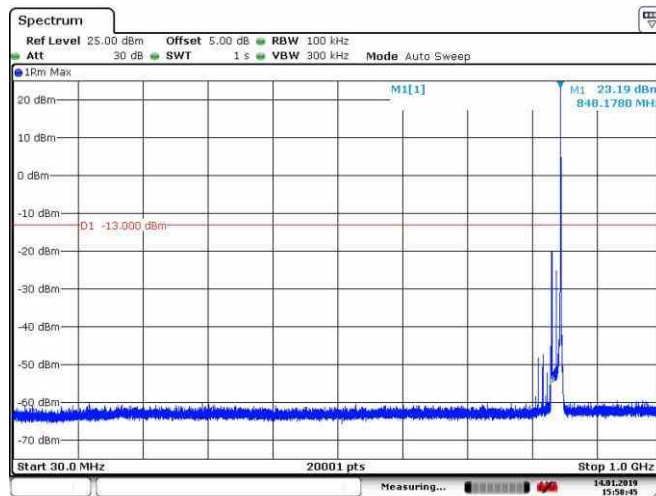
Date: 14 JAN 2019 15:54:58

**Band26\_15MHz\_16QAM\_26915\_1RB#0**



Date: 14 JAN 2019 15:54:00

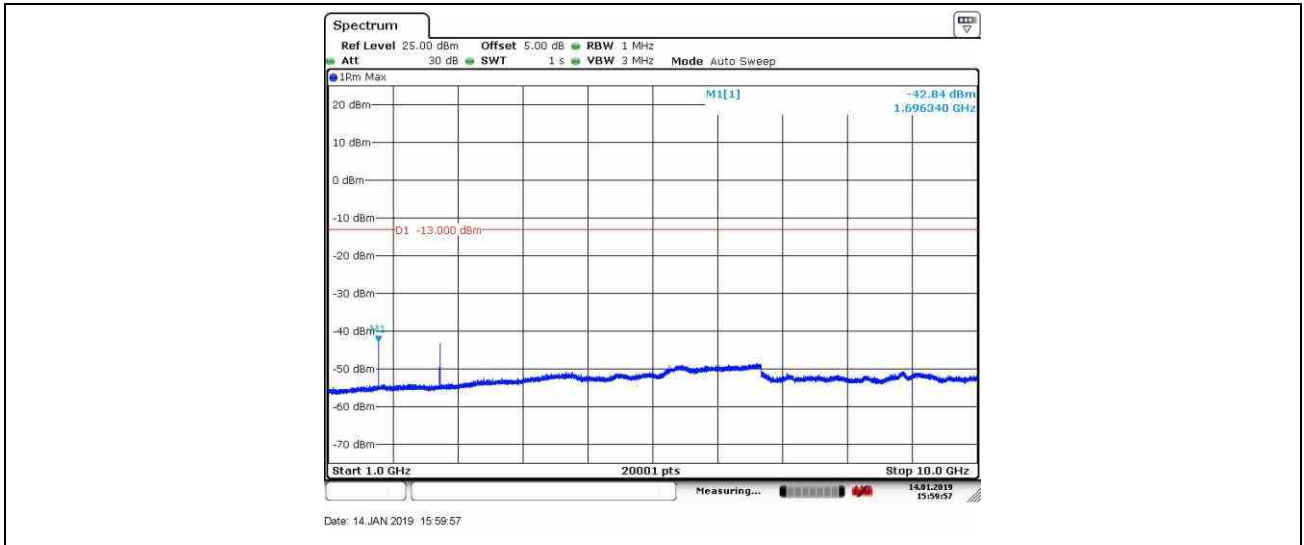
**Band26\_15MHz\_16QAM\_26965\_1RB#0**



Date: 14 JAN 2019 15:58:45

**Band26\_15MHz\_16QAM\_26965\_1RB#0**

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## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE Band 26

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

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
72.700000	-80.27	-13.00	67.27	Vertical
1650.000000	-56.18	-13.00	43.18	Vertical
2474.000000	-54.68	-13.00	41.68	Vertical
3299.325000	-51.97	-13.00	38.97	Vertical
4124.175000	-58.07	-13.00	45.07	Vertical
9073.275000	-56.22	-13.00	43.22	Vertical
63.226667	-77.09	-13.00	64.09	Horizontal
1649.500000	-58.03	-13.00	45.03	Horizontal
2474.500000	-56.12	-13.00	43.12	Horizontal
3299.325000	-49.23	-13.00	36.23	Horizontal
4124.175000	-54.63	-13.00	41.63	Horizontal
9073.275000	-49.60	-13.00	36.60	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.720000	-80.24	-13.00	67.24	Vertical
1659.500000	-54.90	-13.00	41.90	Vertical
2489.500000	-54.34	-13.00	41.34	Vertical
3319.312500	-56.60	-13.00	43.60	Vertical
4978.762500	-45.43	-13.00	32.43	Vertical
5808.975000	-53.15	-13.00	40.15	Vertical
62.946667	-77.11	-13.00	64.11	Horizontal
1659.500000	-55.77	-13.00	42.77	Horizontal
2489.500000	-54.16	-13.00	41.16	Horizontal
3319.312500	-64.81	-13.00	51.81	Horizontal
4978.762500	-50.21	-13.00	37.21	Horizontal
5808.975000	-57.51	-13.00	44.51	Horizontal

**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
72.140000	-78.99	-13.00	65.99	Vertical
1670.000000	-56.53	-13.00	43.53	Vertical
2504.500000	-50.94	-13.00	37.94	Vertical
3339.300000	-50.47	-13.00	37.47	Vertical
4173.900000	-56.94	-13.00	43.94	Vertical
9183.450000	-56.48	-13.00	43.48	Vertical
62.760000	-77.13	-13.00	64.13	Horizontal
1669.500000	-51.07	-13.00	38.07	Horizontal
2504.500000	-55.07	-13.00	42.07	Horizontal
3338.812500	-50.56	-13.00	37.56	Horizontal
4173.900000	-53.72	-13.00	40.72	Horizontal
9183.450000	-48.53	-13.00	35.53	Horizontal

**NOTE:**

- 1) All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	-0.34	-0.000410	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	4.93	0.005925	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	5.04	0.006060	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	9.56	0.011427	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	1.12	0.001340	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	-8.43	-0.010083	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	8.74	0.010387	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VL	NT	11.42	0.013574	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	14.11	0.016768	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VH	NT	-5.27	-0.006339	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VL	NT	-6.31	-0.007592	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VN	NT	7.74	0.009308	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VH	NT	8.71	0.010410	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VL	NT	-6.81	-0.008147	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VN	NT	-4.39	-0.005253	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VH	NT	4.86	0.005774	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VL	NT	12.89	0.015316	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VN	NT	7.05	0.008383	±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	9.17	0.011024	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	-20	2.28	0.002745	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	0	-1.42	-0.001707	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	10	-6.98	-0.008392	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	20	6.38	0.007667	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	11.57	0.013917	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	3.37	0.004058	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	50	13.89	0.016700	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	7.54	0.009014	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	-7.23	-0.008647	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	2.75	0.003287	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	8.09	0.009674	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	-7.95	-0.009510	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	30	-10.83	-0.012941	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	40	11.50	0.013749	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	50	2.26	0.002698	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	8.77	0.010424	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-12.37	-0.014697	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	3.59	0.004266	±2.5	PASS

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Band26	15MHz	QPSK	26965	75RB#0	NV	10	2.95	0.003500	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	-7.75	-0.009205	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	11.47	0.013631	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	40	-9.53	-0.011321	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	50	9.12	0.010839	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-30	2.84	0.003414	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-20	4.43	0.005331	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	0	9.03	0.010857	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	10	-3.21	-0.003864	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	20	9.39	0.011292	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	30	11.53	0.013870	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	40	-12.99	-0.015622	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	50	0.72	0.000870	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-30	11.24	0.013433	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-20	0.65	0.000780	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	0	1.48	0.001763	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	10	-2.30	-0.002749	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	20	10.54	0.012596	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	30	-7.98	-0.009535	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	40	9.40	0.011242	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	50	6.36	0.007601	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-30	-8.00	-0.009508	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-20	-10.80	-0.012839	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	0	-5.60	-0.006658	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	10	14.95	0.017772	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	20	-11.90	-0.014137	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	30	6.81	0.008096	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	40	10.20	0.012125	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	50	5.56	0.006603	±2.5	PASS

The End

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