



# 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	23.12	23.50	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	22.81	23.19	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.14	23.52	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	22.90	23.28	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	22.83	23.21	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	23.03	23.41	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	21.81	22.19	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.07	23.45	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.07	23.45	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.11	23.49	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	23.03	23.41	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	23.13	23.51	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	22.90	23.28	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.80	22.18	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.94	23.32	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.16	23.54	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.91	23.29	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	22.89	23.27	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	23.18	23.56	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	22.98	23.36	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.11	22.49	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	21.91	22.29	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	21.95	22.33	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.18	22.56	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	21.94	22.32	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	21.93	22.31	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	21.98	22.36	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.00	21.38	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	21.80	22.18	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	21.89	22.27	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	21.94	22.32	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	21.94	22.32	38.45	PASS



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Band26	1.4MHz	16QAM	26915	3RB#1	22.13	22.51	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	21.96	22.34	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	20.84	21.22	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	21.86	22.24	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.13	22.51	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.12	22.50	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.13	22.51	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.00	22.38	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	21.97	22.35	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.09	21.47	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.15	23.53	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.01	23.39	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.04	23.42	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#0	22.10	22.48	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#4	21.89	22.27	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#7	21.96	22.34	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.02	22.40	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.05	23.43	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.95	23.33	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.17	23.55	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#0	21.84	22.22	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#4	22.20	22.58	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#7	21.86	22.24	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.12	22.50	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.19	23.57	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.16	23.54	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.91	23.29	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#0	22.12	22.50	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#4	21.85	22.23	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#7	21.95	22.33	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.89	22.27	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	21.95	22.33	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	21.86	22.24	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	21.97	22.35	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#0	21.17	21.55	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#4	21.11	21.49	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#7	21.13	21.51	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.95	21.33	38.45	PASS



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Band26	3MHz	16QAM	26915	1RB#0	22.04	22.42	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	21.81	22.19	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.19	22.57	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#0	20.81	21.19	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#4	21.08	21.46	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#7	21.06	21.44	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.09	21.47	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.16	22.54	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.15	22.53	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	21.98	22.36	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	21.12	21.50	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#4	20.83	21.21	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#7	21.19	21.57	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.12	21.50	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	22.93	23.31	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	22.86	23.24	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	22.92	23.30	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#0	22.10	22.48	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#6	22.08	22.46	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#13	21.95	22.33	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.94	22.32	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	22.82	23.20	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.00	23.38	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.17	23.55	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#0	21.96	22.34	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.02	22.40	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#13	22.20	22.58	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.93	22.31	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.17	23.55	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.83	23.21	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.12	23.50	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#0	21.81	22.19	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#6	22.03	22.41	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#13	22.05	22.43	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	22.02	22.40	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.06	22.44	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.03	22.41	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	21.90	22.28	38.45	PASS



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Band26	5MHz	16QAM	26815	12RB#0	21.09	21.47	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#6	20.84	21.22	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#13	21.13	21.51	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	20.96	21.34	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	21.82	22.20	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	21.83	22.21	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	21.91	22.29	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#0	20.95	21.33	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#6	21.00	21.38	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#13	21.04	21.42	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.03	21.41	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.05	22.43	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.03	22.41	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	21.96	22.34	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#0	20.81	21.19	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#6	20.98	21.36	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#13	21.05	21.43	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	20.92	21.30	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	22.93	23.31	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	22.83	23.21	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.15	23.53	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#0	21.91	22.29	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#12	21.82	22.20	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#25	21.82	22.20	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	21.99	22.37	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	22.98	23.36	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	22.88	23.26	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	23.15	23.53	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#0	21.97	22.35	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.11	22.49	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#25	21.86	22.24	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.13	22.51	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.18	23.56	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.06	23.44	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.09	23.47	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.14	22.52	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.20	22.58	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	21.97	22.35	38.45	PASS



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Band26	10MHz	QPSK	26990	50RB#0	21.81	22.19	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.19	22.57	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	21.84	22.22	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	21.93	22.31	38.45	PASS
Band26	10MHz	16QAM	26840	27RB#0	22.12	22.50	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	21.86	22.24	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	21.91	22.29	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.18	22.56	38.45	PASS
Band26	10MHz	16QAM	26915	27RB#0	21.95	22.33	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	22.13	22.51	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	21.92	22.30	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.05	22.43	38.45	PASS
Band26	10MHz	16QAM	26990	27RB#0	21.85	22.23	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.06	23.44	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	22.84	23.22	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.04	23.42	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#0	22.12	22.50	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#18	21.97	22.35	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#39	22.06	22.44	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	21.94	22.32	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	22.90	23.28	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	22.98	23.36	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.90	23.28	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#0	22.11	22.49	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#18	22.06	22.44	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#39	21.84	22.22	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.81	22.19	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.82	23.20	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.15	23.53	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.86	23.24	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#0	22.20	22.58	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#18	21.89	22.27	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#39	21.83	22.21	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.89	22.27	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	21.87	22.25	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	21.85	22.23	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	21.97	22.35	38.45	PASS
Band26	15MHz	16QAM	26865	27RB#0	22.13	22.51	38.45	PASS



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Band26	15MHz	16QAM	26915	1RB#0	21.89	22.27	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	21.89	22.27	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	21.84	22.22	38.45	PASS
Band26	15MHz	16QAM	26915	27RB#0	22.04	22.42	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	21.92	22.30	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	21.98	22.36	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.05	22.43	38.45	PASS
Band26	15MHz	16QAM	26965	27RB#0	21.92	22.30	38.45	PASS

**Remark:**

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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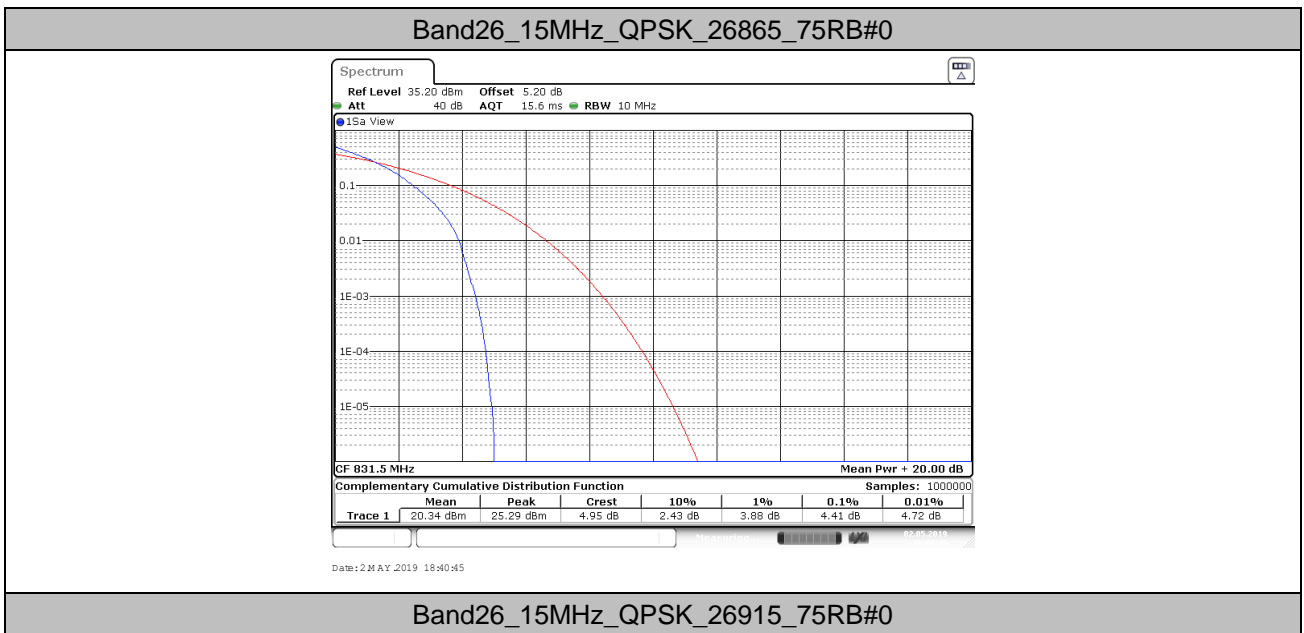


## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

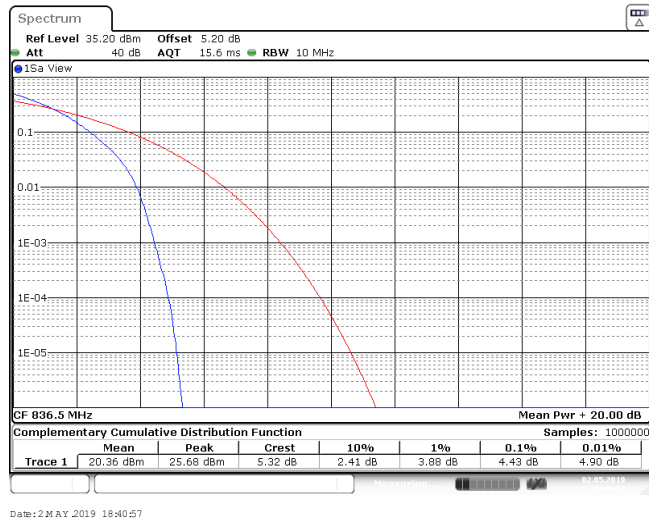
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.41	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.43	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.41	13	PASS
Band26	15MHz	16QAM	26865	27RB#0	5.68	13	PASS
Band26	15MHz	16QAM	26915	27RB#0	5.71	13	PASS
Band26	15MHz	16QAM	26965	27RB#0	5.62	13	PASS

### 2.2. Test Plots



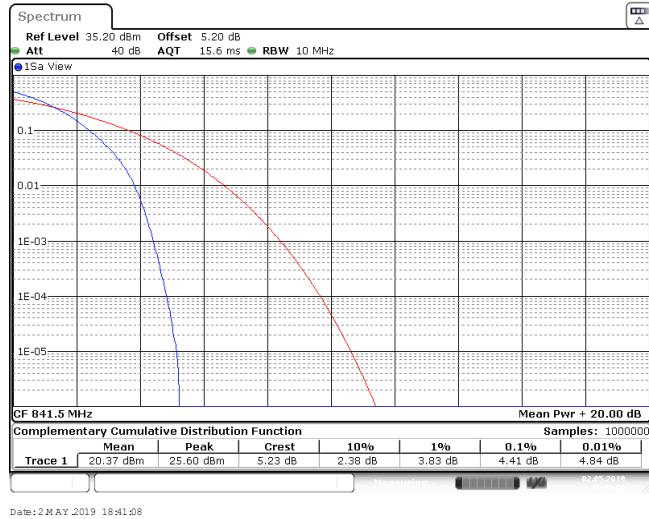
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Date: 2 MAY 2019 18:40:57

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



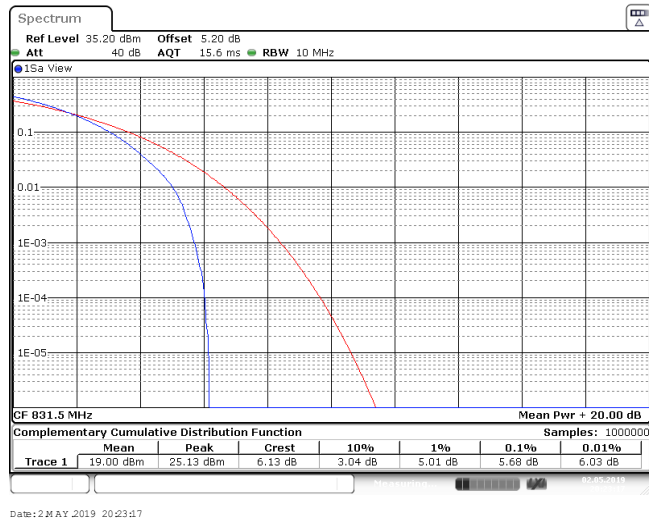
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**Band26\_15MHz\_16QAM\_26865\_27RB#0**

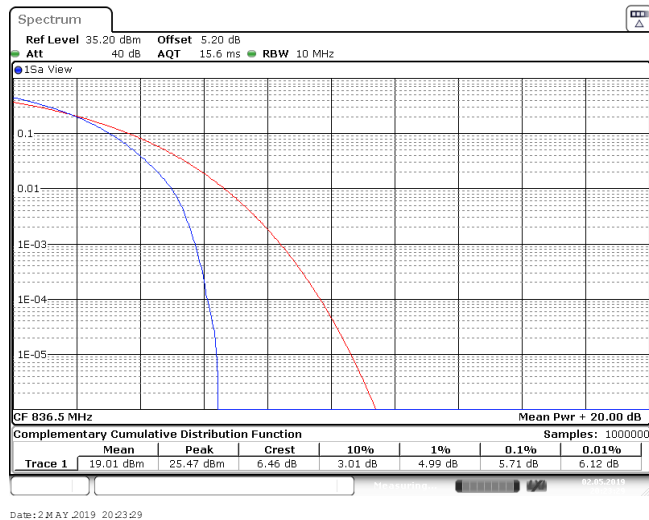


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**Band26\_15MHz\_16QAM\_26915\_27RB#0**

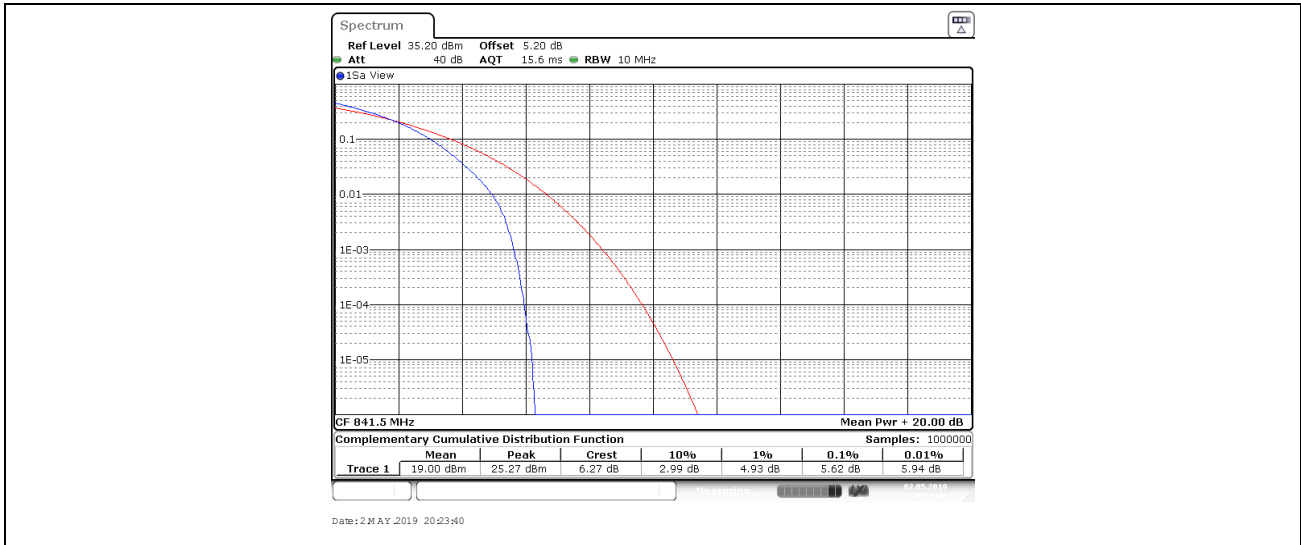


**Band26\_15MHz\_16QAM\_26965\_27RB#0**



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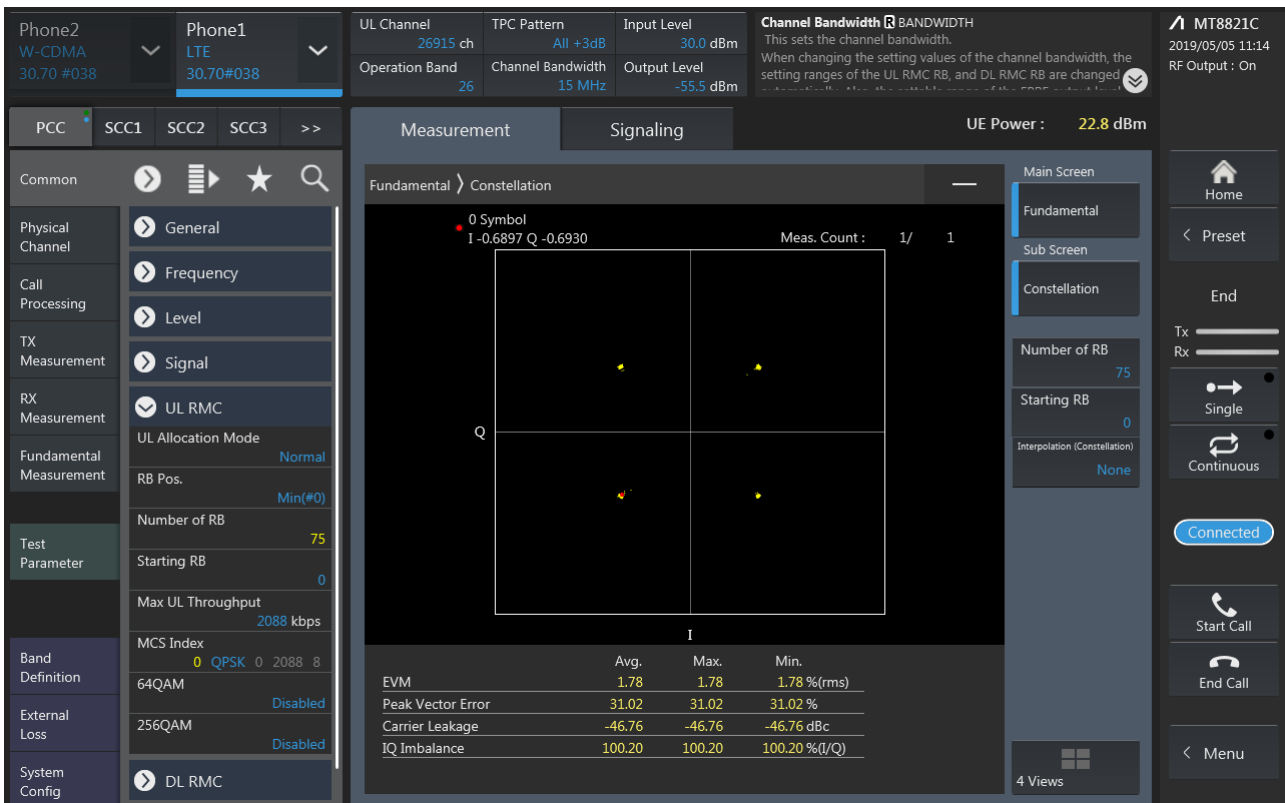


### 3. Modulation Characteristics

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

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

#### 3.2.1. Test Channel = MCH

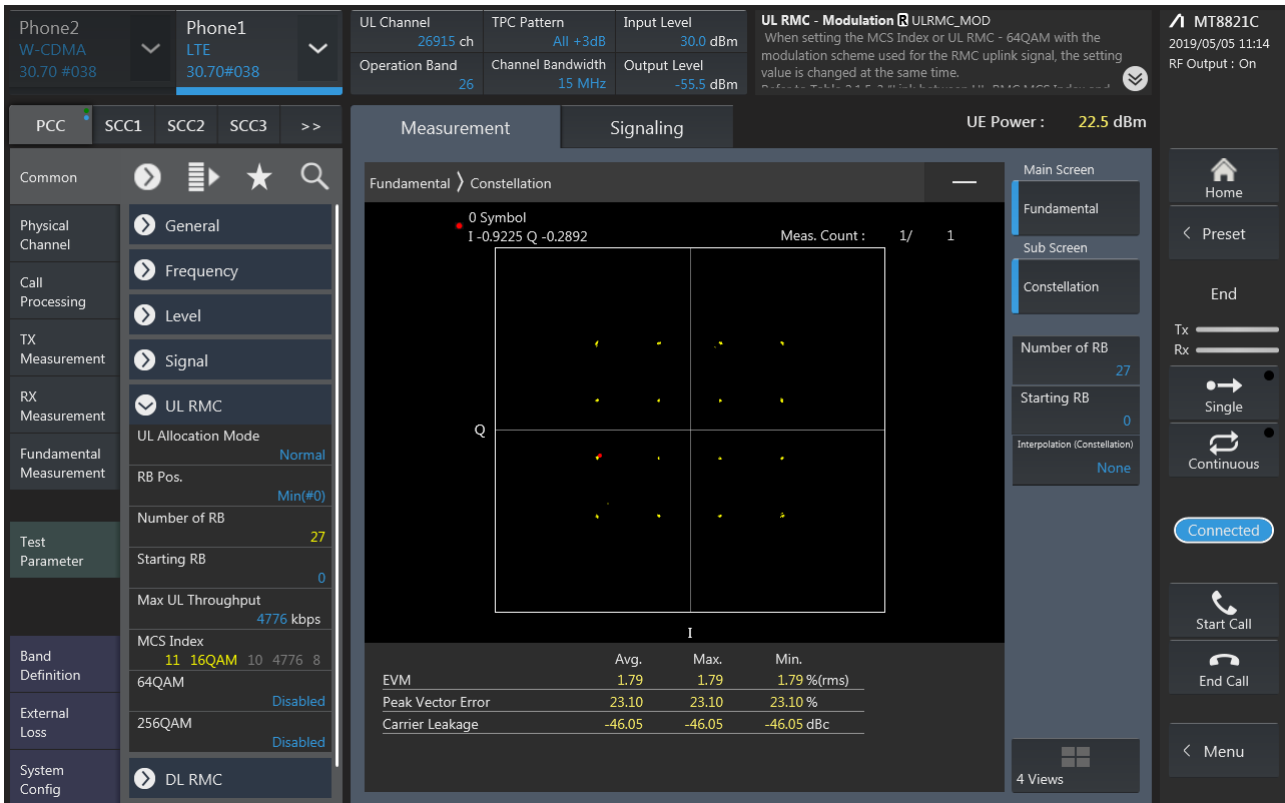


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### 3.3. Test Mode = LTE /TM2 15MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

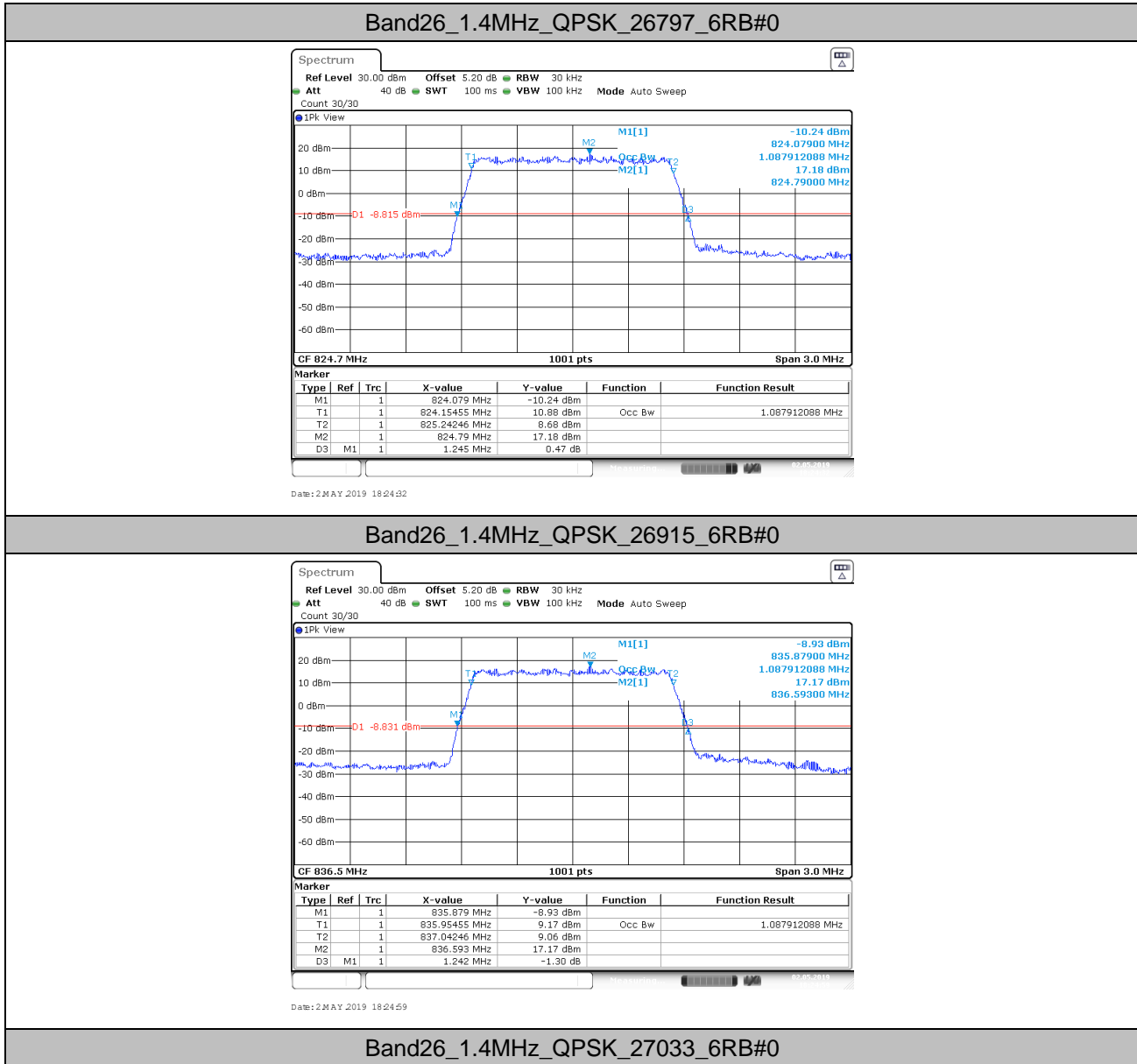
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.088	1.245	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.088	1.242	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.088	1.236	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.088	1.239	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.085	1.239	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.085	1.236	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.691	3.006	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.697	3.018	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.691	3.012	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.685	2.988	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.685	2.982	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.685	2.982	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.476	4.890	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.476	4.880	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.476	4.880	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.466	4.900	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.486	4.920	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.486	4.930	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.931	9.660	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.931	9.660	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.931	9.680	PASS
Band26	10MHz	16QAM	26840	27RB#0	4.855	5.600	PASS
Band26	10MHz	16QAM	26915	27RB#0	4.855	5.660	PASS
Band26	10MHz	16QAM	26990	27RB#0	4.875	5.640	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.427	14.760	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.427	14.760	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.427	14.730	PASS
Band26	15MHz	16QAM	26865	27RB#0	5.065	6.060	PASS
Band26	15MHz	16QAM	26915	27RB#0	5.065	6.060	PASS
Band26	15MHz	16QAM	26965	27RB#0	5.065	6.090	PASS



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### 4.2. Test Plots

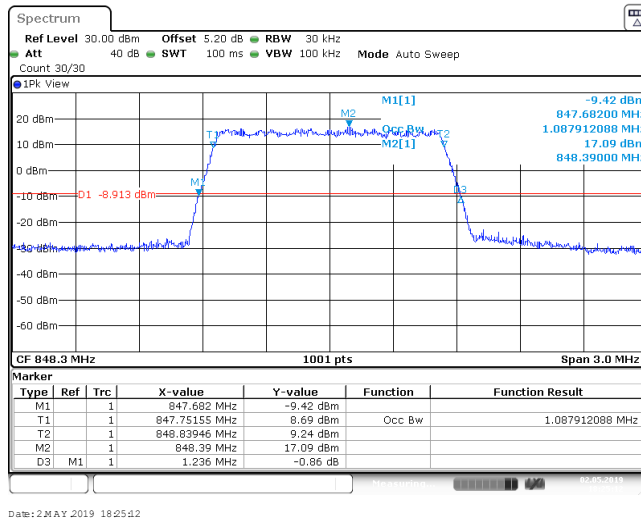


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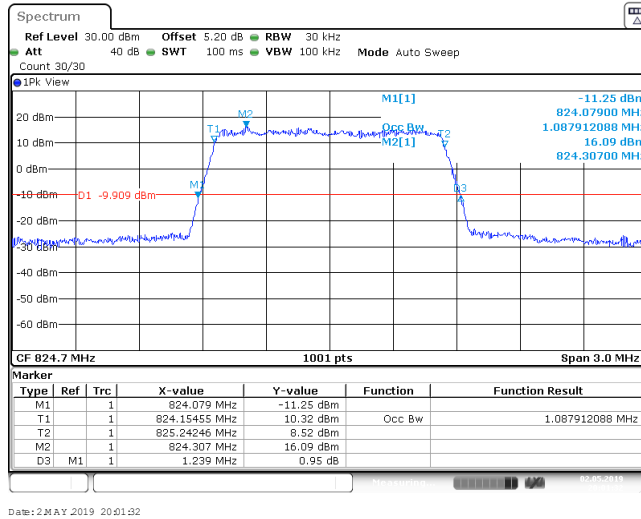
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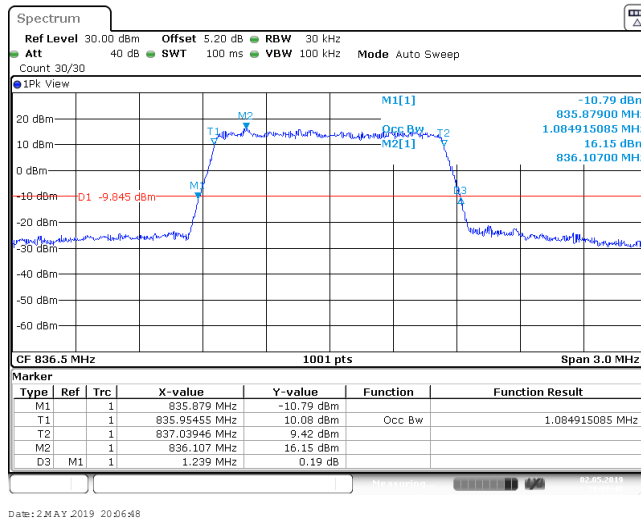
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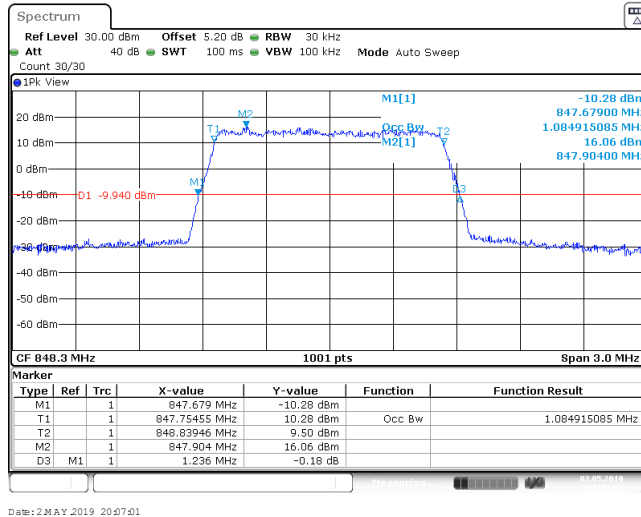
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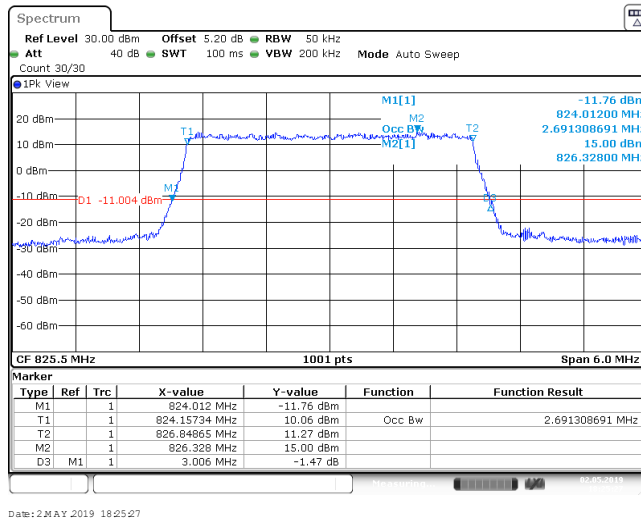
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**Band26\_3MHz\_QPSK\_26805\_15RB#0**

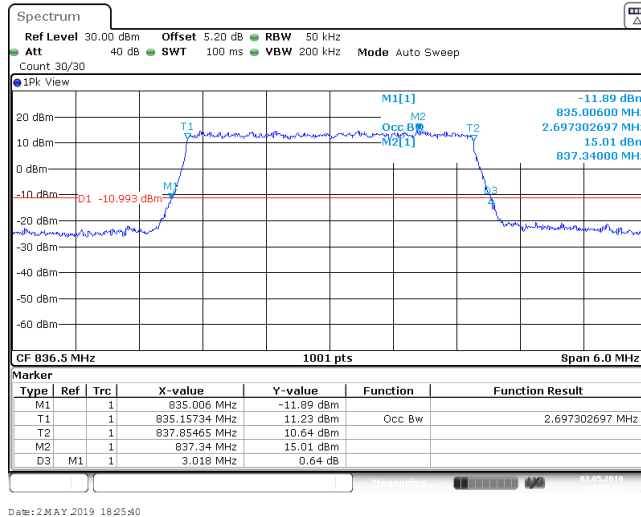


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Date: 2 MAY 2019 18:25:27

**Band26\_3MHz\_QPSK\_26915\_15RB#0**

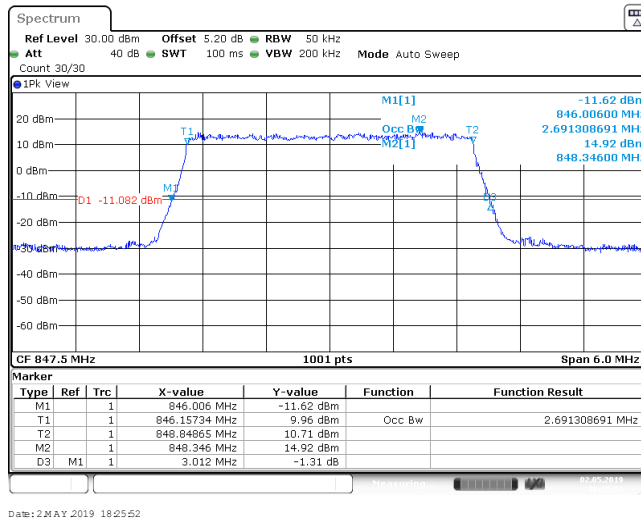


Date: 2 MAY 2019 18:25:40

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

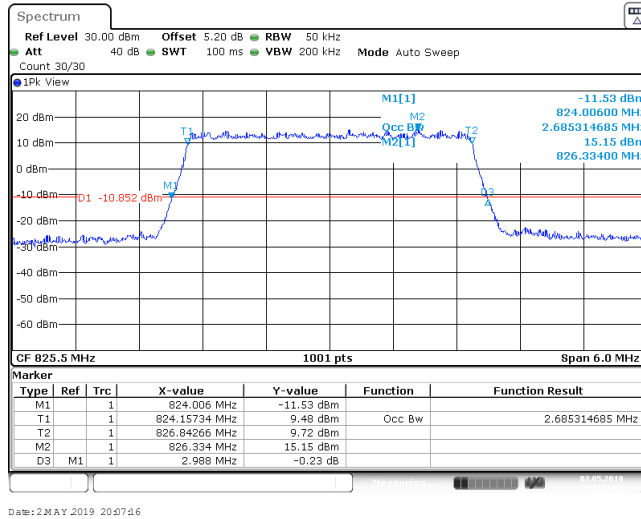


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Date: 2 MAY 2019 18:25:52

**Band26\_3MHz\_16QAM\_26805\_15RB#0**

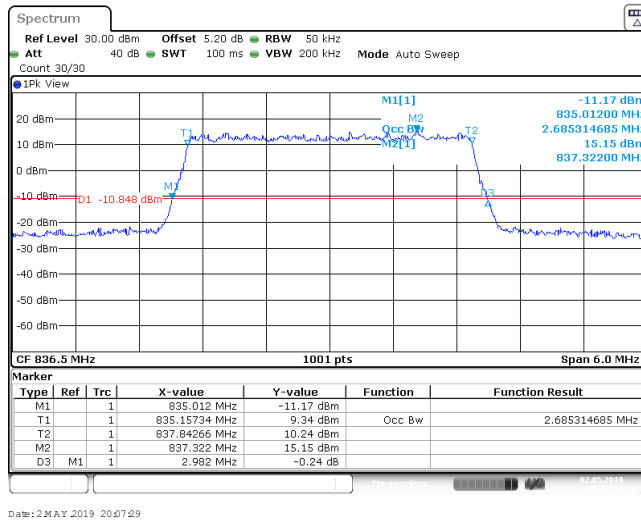


Date: 2 MAY 2019 20:07:46

**Band26\_3MHz\_16QAM\_26915\_15RB#0**

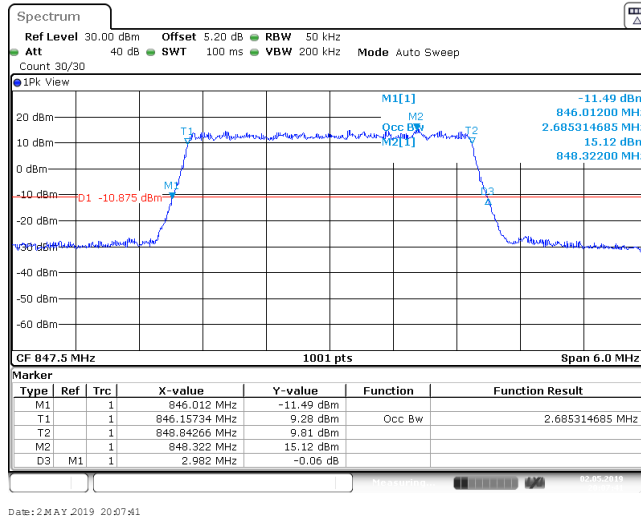


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Date: 2 MAY 2019 20:07:29

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

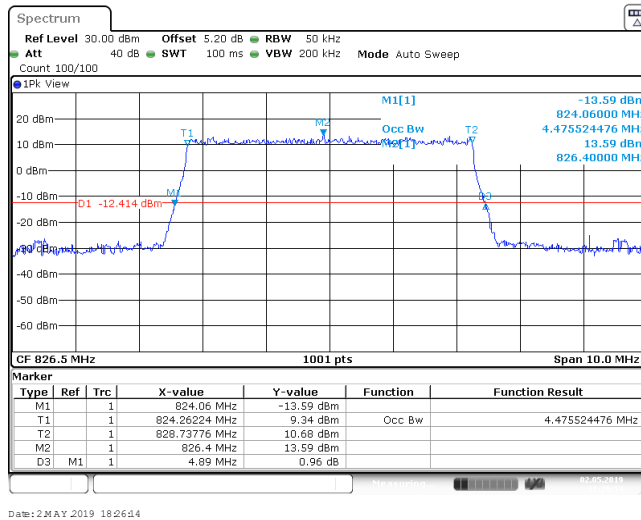


Date: 2 MAY 2019 20:07:41

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

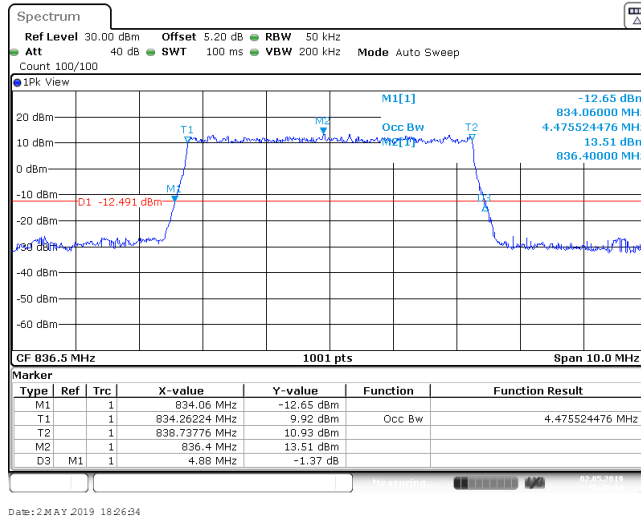


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Date: 2 MAY 2019 18:26:34

**Band26\_5MHz\_QPSK\_26915\_25RB#0**

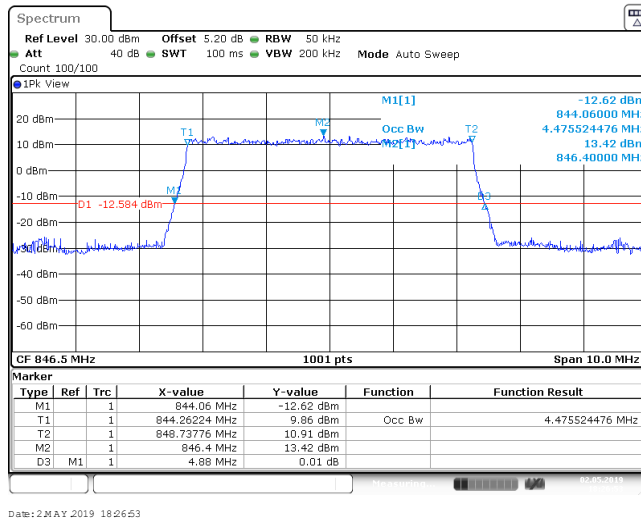


Date: 2 MAY 2019 18:26:34

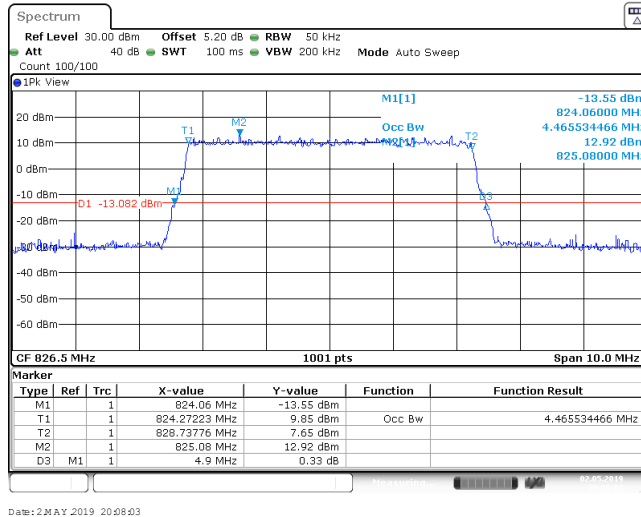
**Band26\_5MHz\_QPSK\_27015\_25RB#0**



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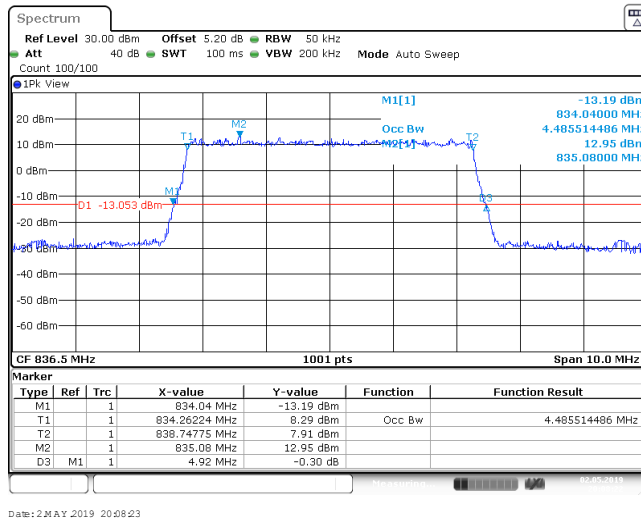
**Band26\_5MHz\_16QAM\_26815\_25RB#**



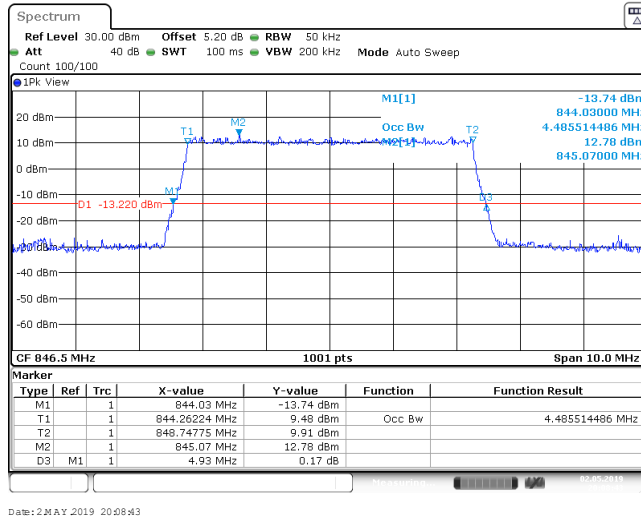
**Band26\_5MHz\_16QAM\_26915\_25RB#**



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Band26\_5MHz\_16QAM\_27015\_25RB#

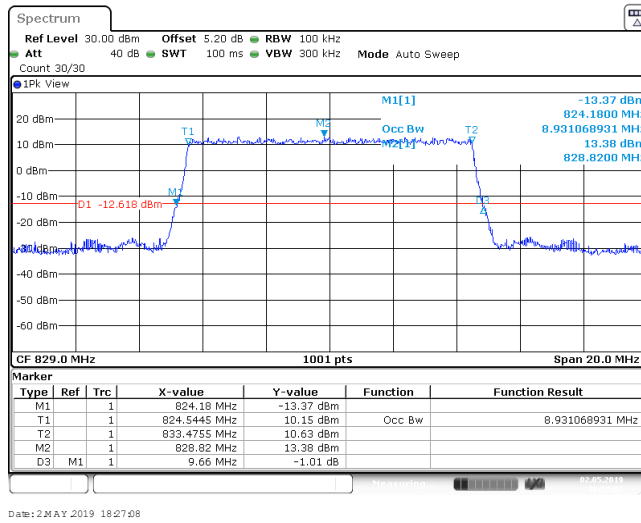


Band26\_10MHz\_QPSK\_26840\_50RB#



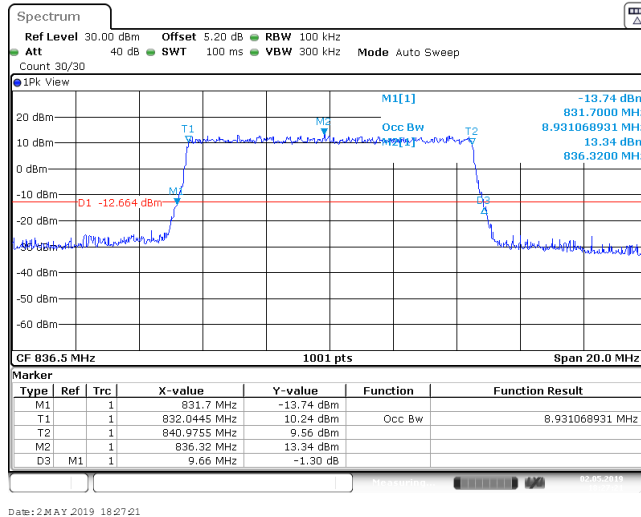
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Date: 2 MAY 2019 18:27:08

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

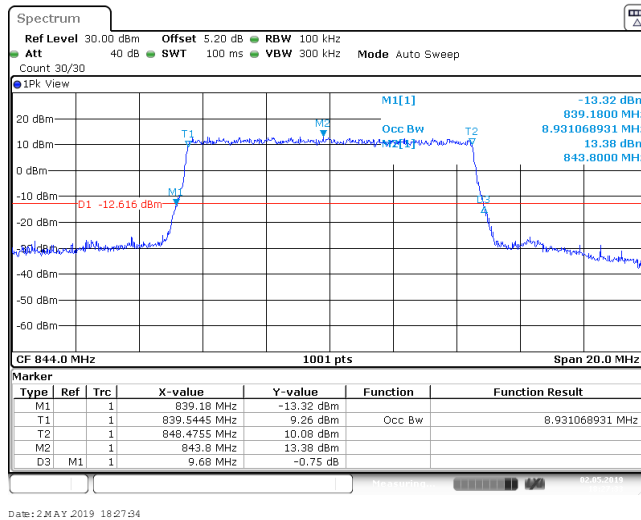


Date: 2 MAY 2019 18:27:21

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

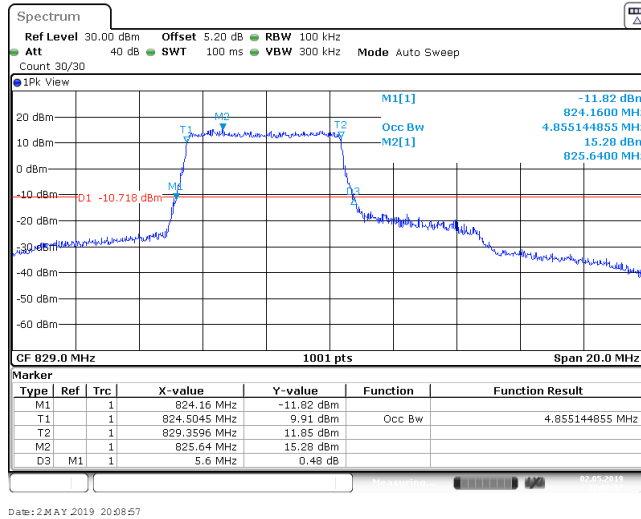


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Date: 2 MAY 2019 18:27:34

**Band26\_10MHz\_16QAM\_26840\_27RB#0**

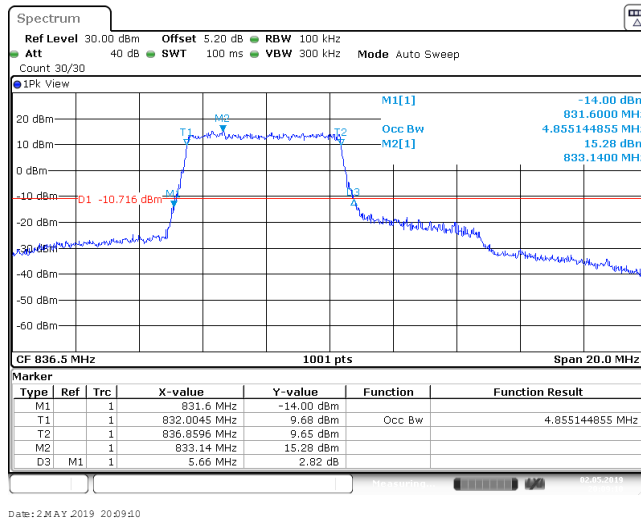


Date: 2 MAY 2019 20:08:57

**Band26\_10MHz\_16QAM\_26915\_27RB#0**

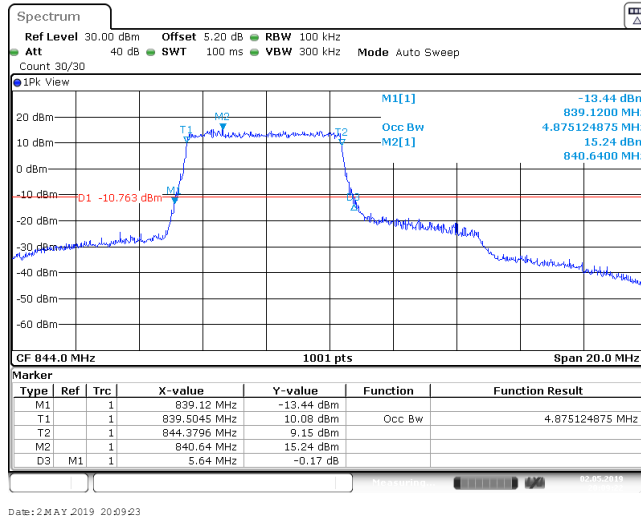


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Date: 2 MAY 2019 20:09:40

**Band26\_10MHz\_16QAM\_26990\_27RB#0**

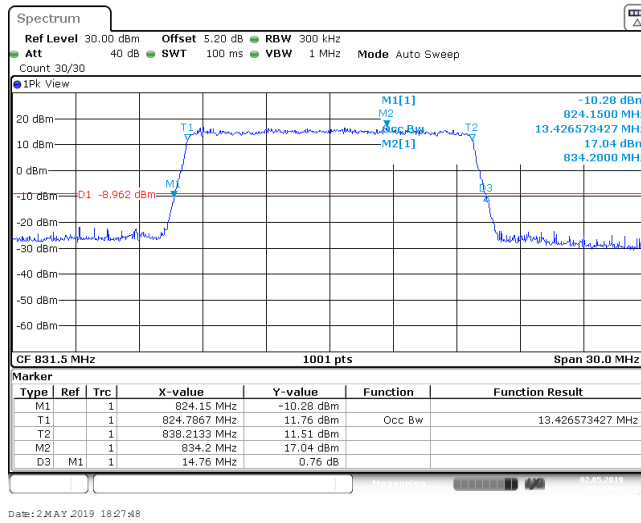


Date: 2 MAY 2019 20:09:23

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

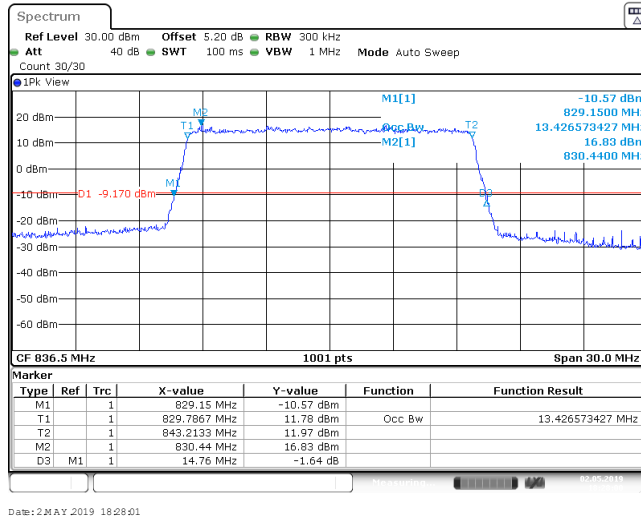


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Date: 2 MAY 2019 18:27:48

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

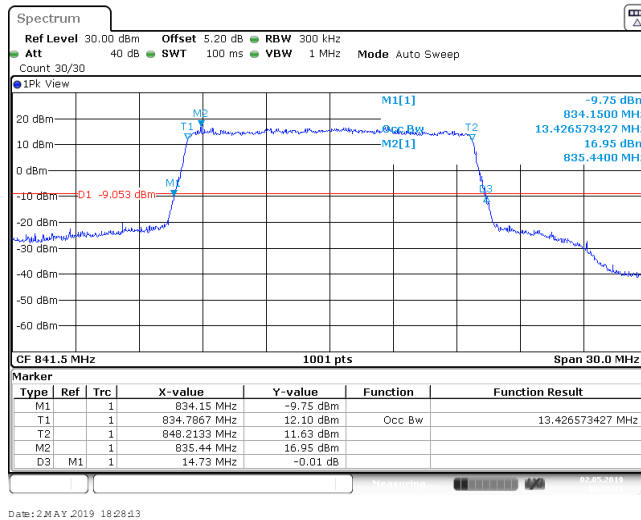


Date: 2 MAY 2019 18:28:01

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

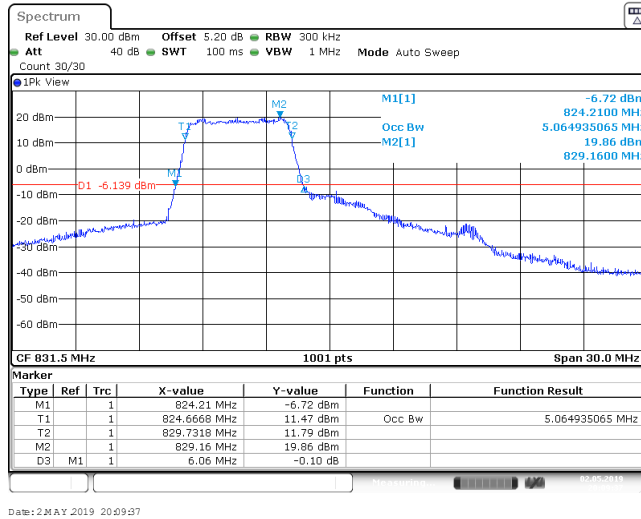


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Date: 2 MAY 2019 18:28:13

**Band26\_15MHz\_16QAM\_26865\_27RB#0**

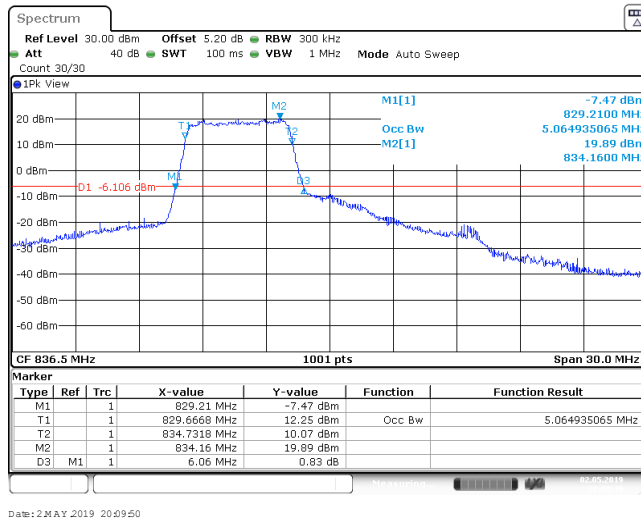


Date: 2 MAY 2019 20:09:37

**Band26\_15MHz\_16QAM\_26915\_27RB#0**

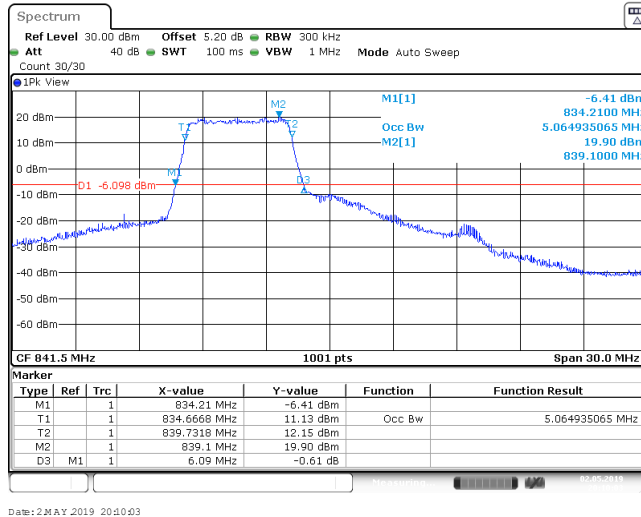


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Date: 2 MAY 2019 20:09:50

**Band26\_15MHz\_16QAM\_26965\_27RB#0**



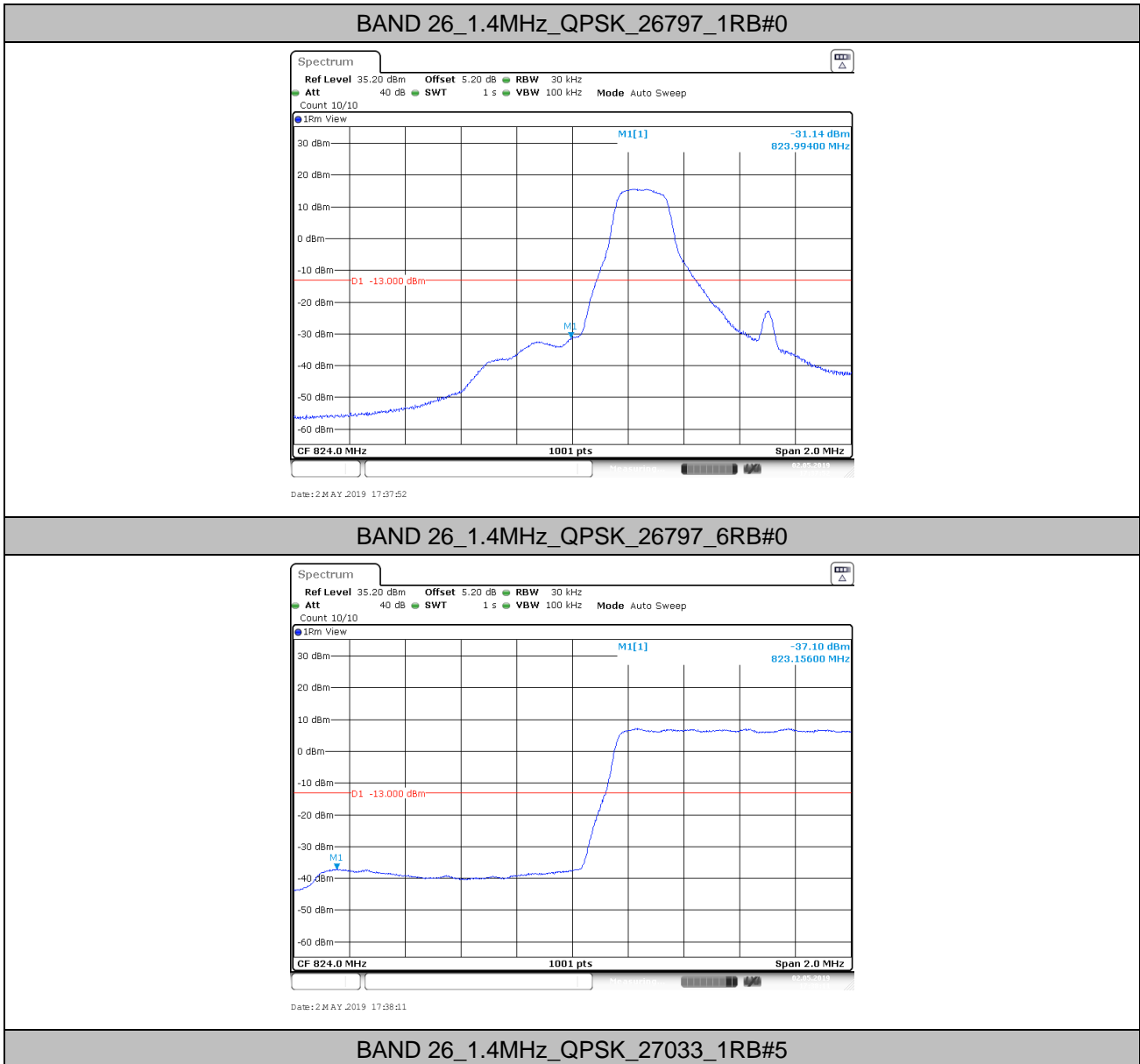
Date: 2 MAY 2019 20:10:03



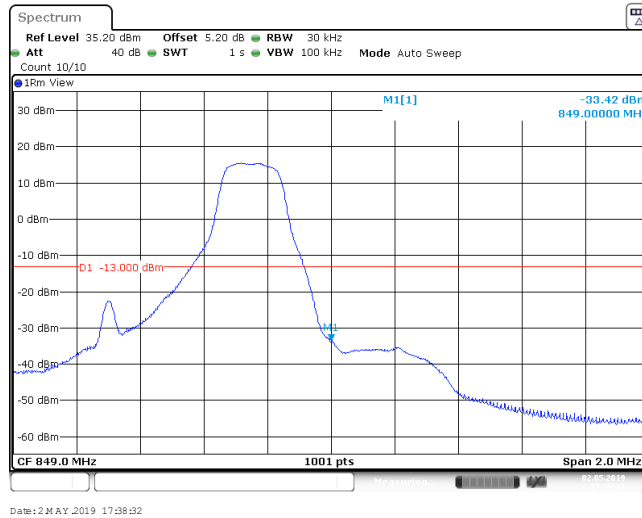
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## 5. Band Edge Compliance

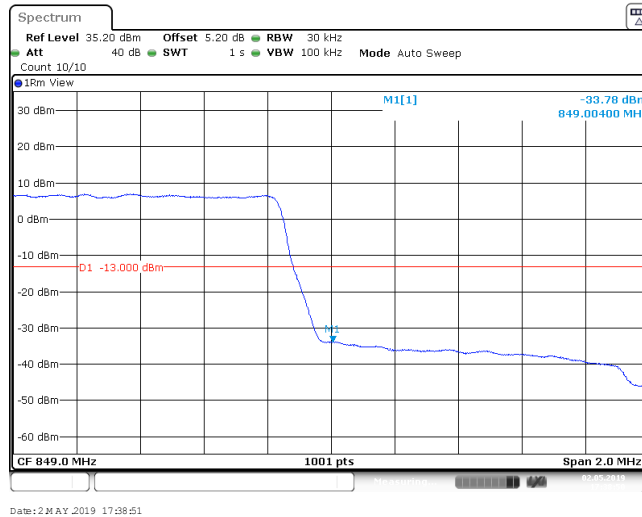
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**BAND 26\_1.4MHz\_QPSK\_27033\_6RB#0**

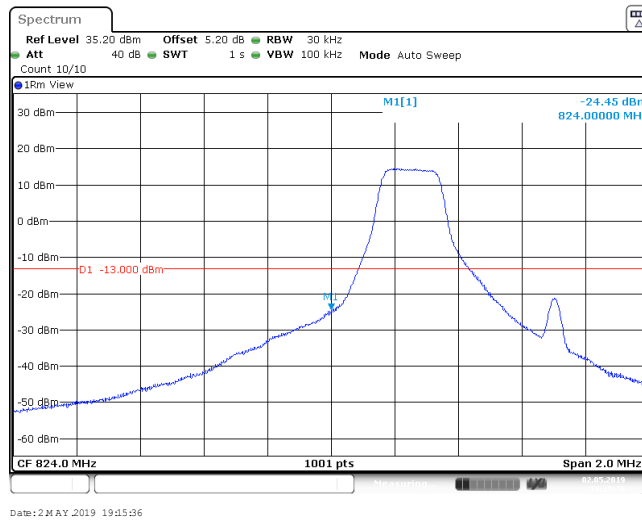


**BAND 26\_1.4MHz\_16QAM\_26797\_1RB#0**

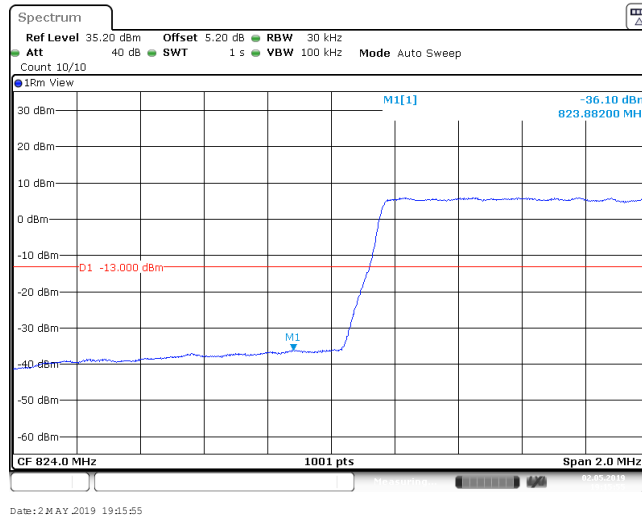


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**BAND 26\_1.4MHz\_16QAM\_26797\_6RB#0**

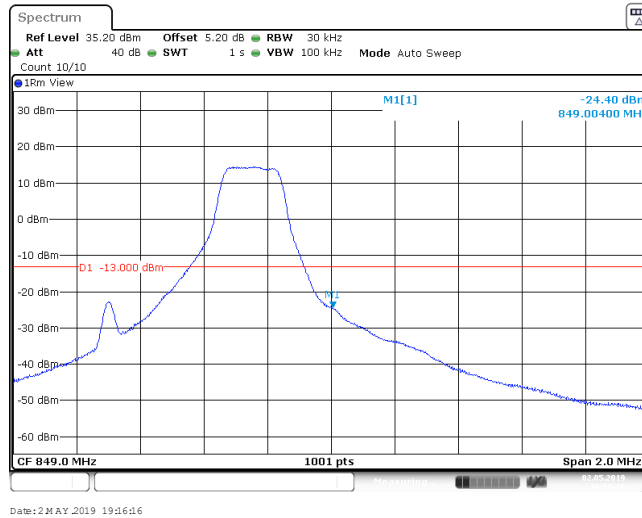


**BAND 26\_1.4MHz\_16QAM\_27033\_1RB#5**



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**BAND 26\_1.4MHz\_16QAM\_27033\_6RB#0**

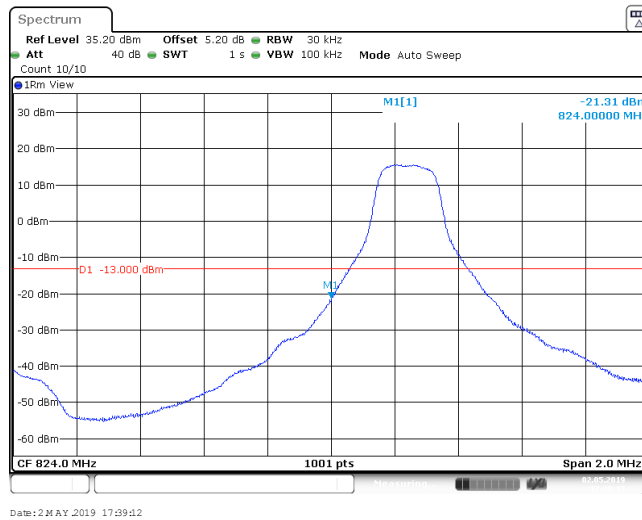


**BAND 26\_3MHz\_QPSK\_26805\_1RB#0**

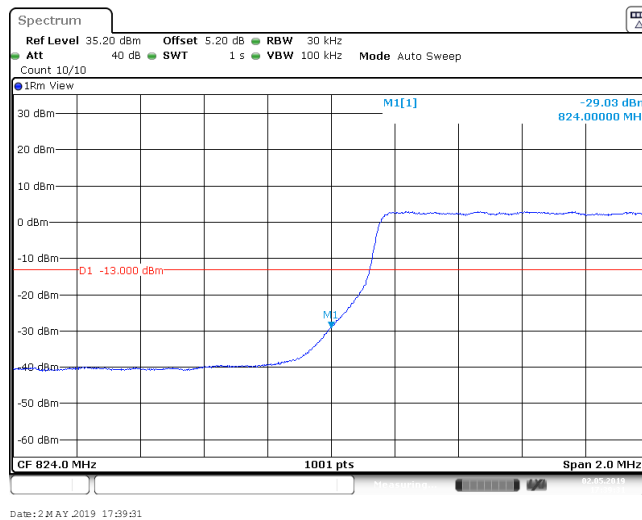


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**BAND 26\_3MHz\_QPSK\_26805\_15RB#0**

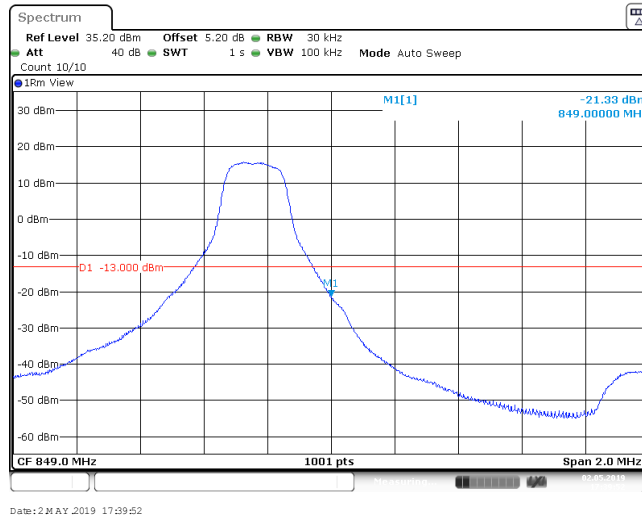


**BAND 26\_3MHz\_QPSK\_27025\_1RB#14**

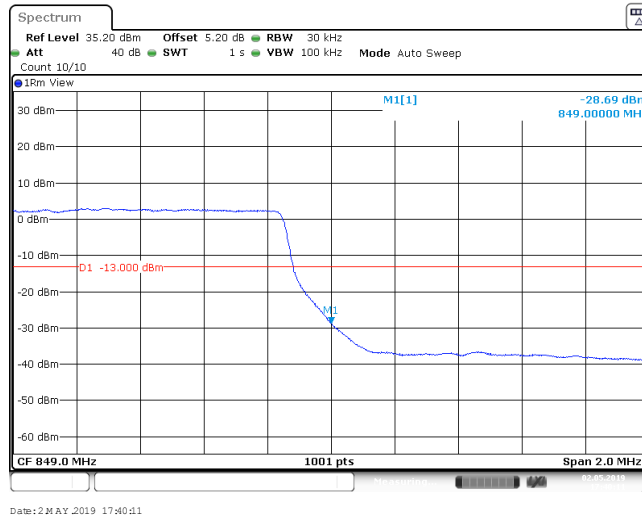


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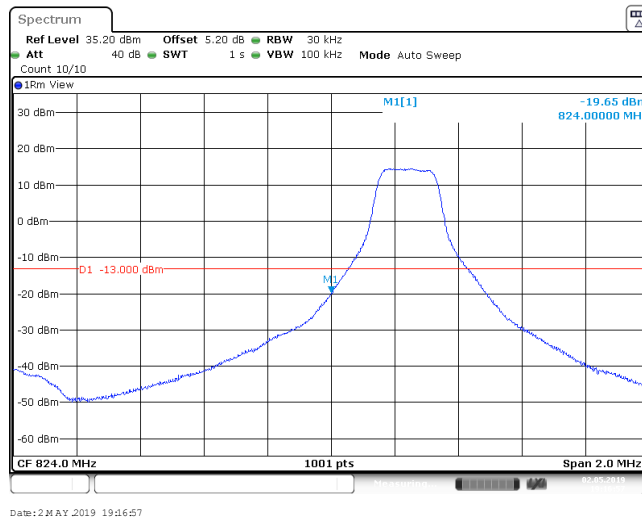
**BAND 26\_3MHz\_QPSK\_27025\_15RB#0**



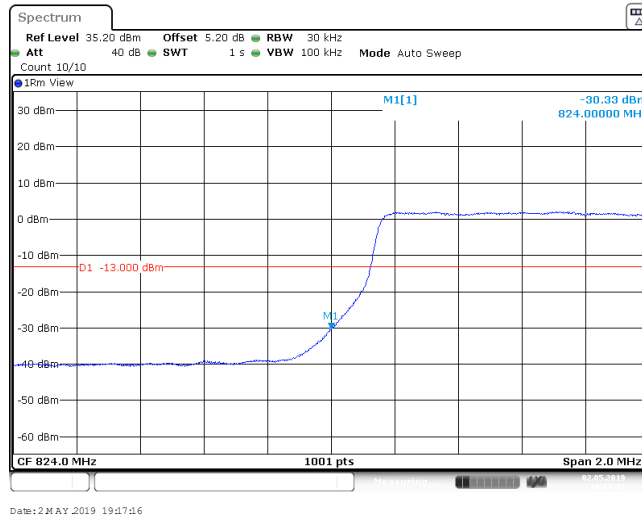
**BAND 26\_3MHz\_16QAM\_26805\_1RB#0**



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**BAND 26\_3MHz\_16QAM\_26805\_15RB#0**

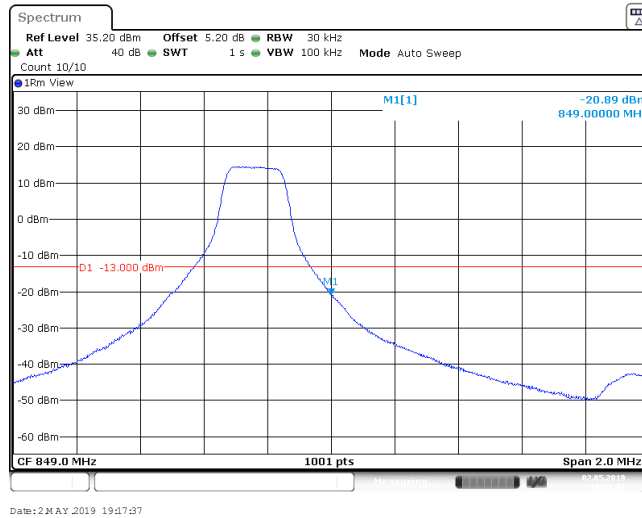


**BAND 26\_3MHz\_16QAM\_27025\_1RB#14**

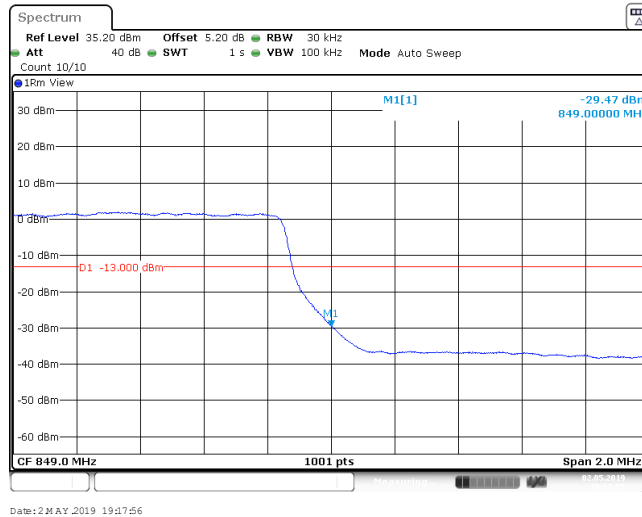


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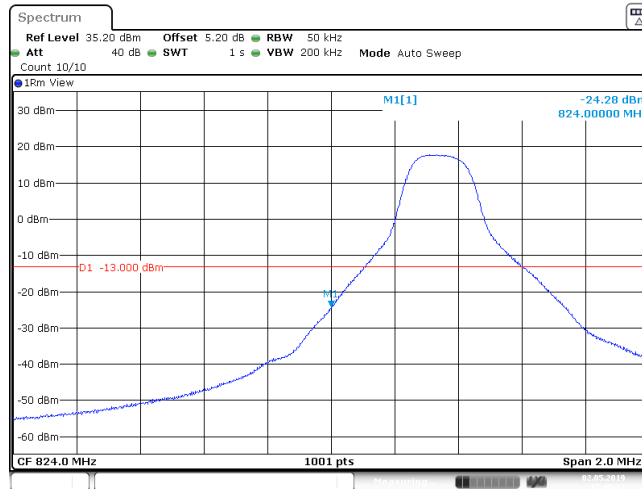
**BAND 26\_3MHz\_16QAM\_27025\_15RB#0**



**BAND 26\_5MHz\_QPSK\_26815\_1RB#0**

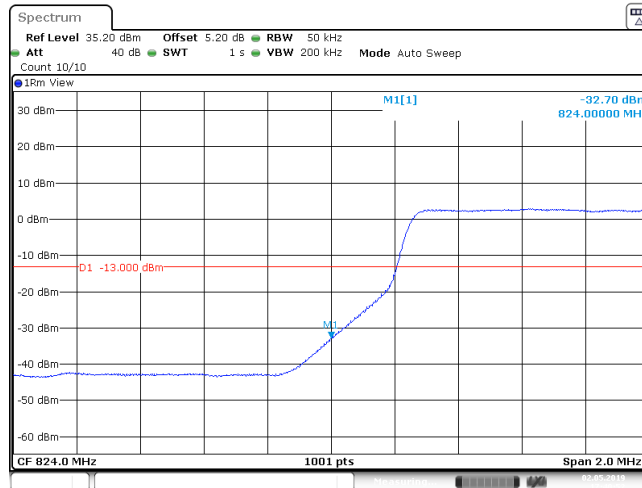


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Date: 2 MAY 2019 17:40:33

**BAND 26\_5MHz\_QPSK\_26815\_25RB#0**

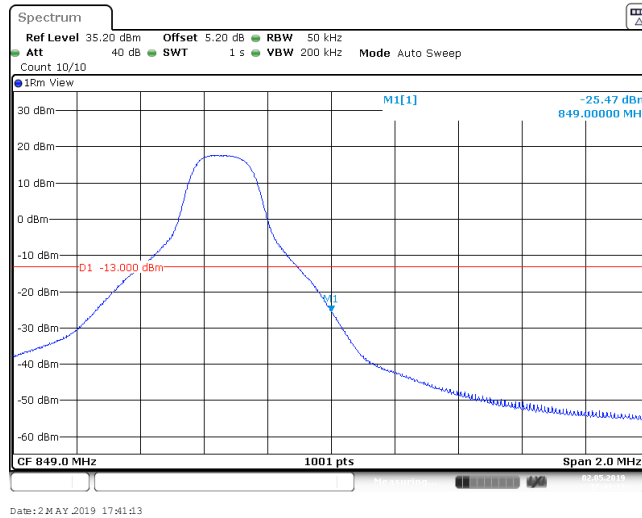


Date: 2 MAY 2019 17:40:52

**BAND 26\_5MHz\_QPSK\_27015\_1RB#24**

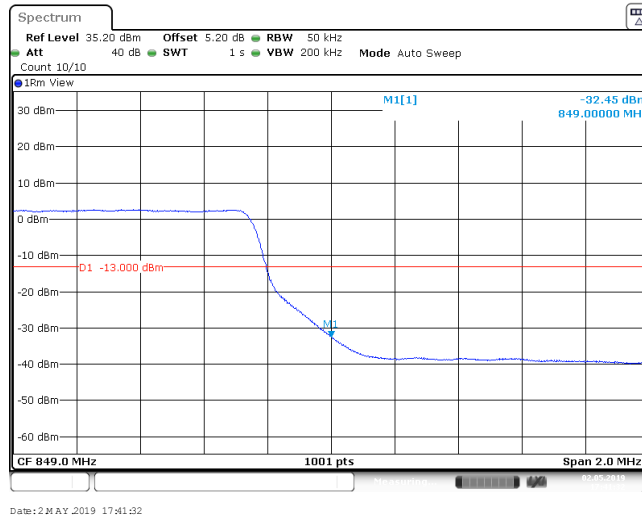


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Date: 2 MAY 2019 17:41:13

**BAND 26\_5MHz\_QPSK\_27015\_25RB#0**



Date: 2 MAY 2019 17:41:32

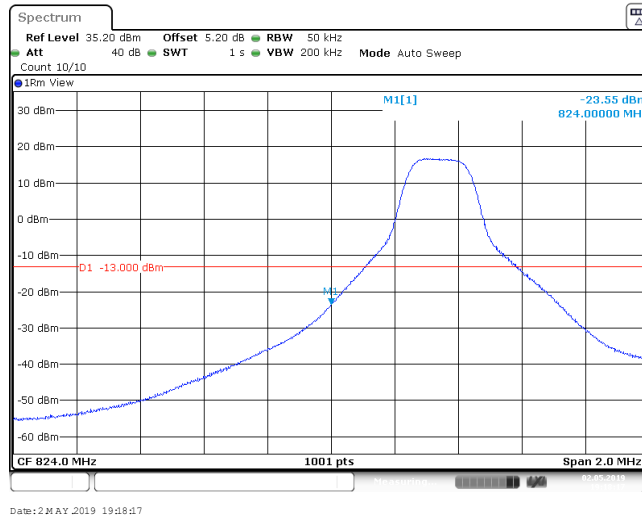
**BAND 26\_5MHz\_16QAM\_26815\_1RB#0**



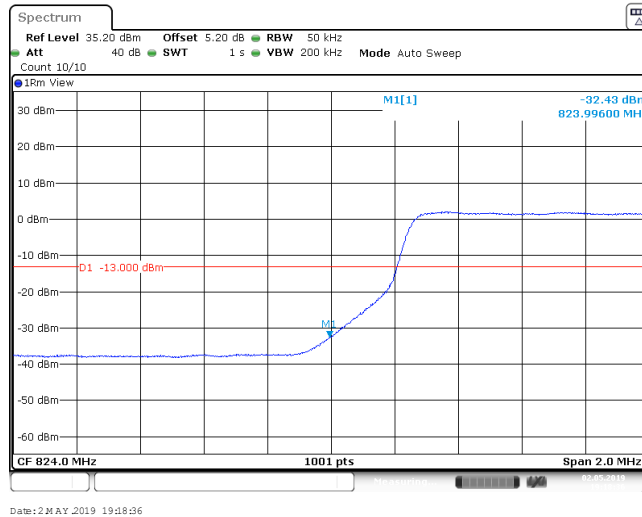
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**BAND 26\_5MHz\_16QAM\_26815\_25RB#0**

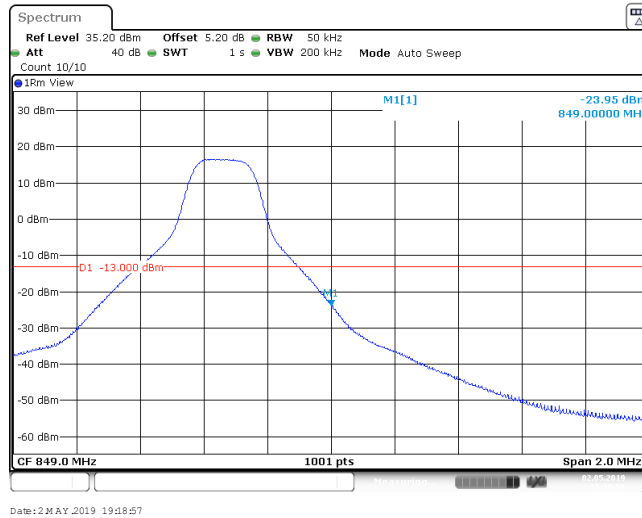


**BAND 26\_5MHz\_16QAM\_27015\_1RB#24**



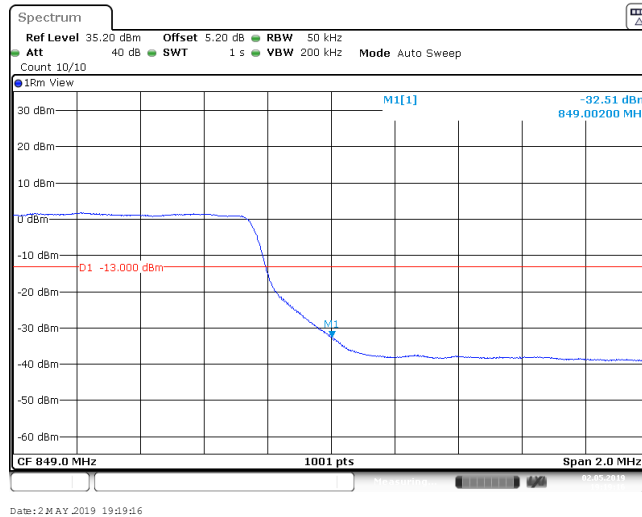
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Date: 2 MAY 2019 19:18:57

**BAND 26\_5MHz\_16QAM\_27015\_25RB#0**

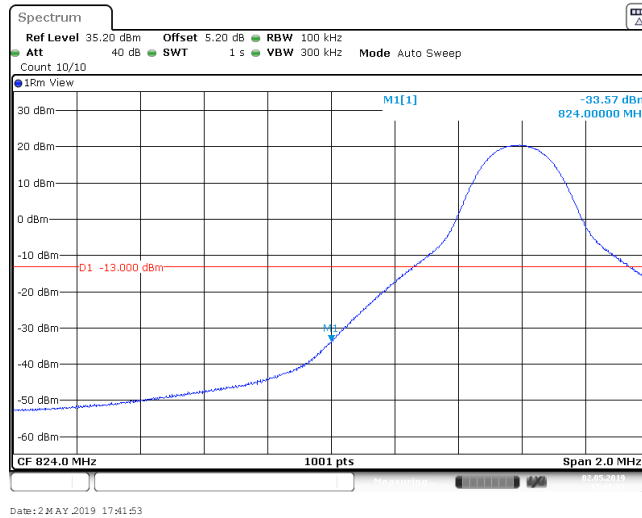


Date: 2 MAY 2019 19:19:16

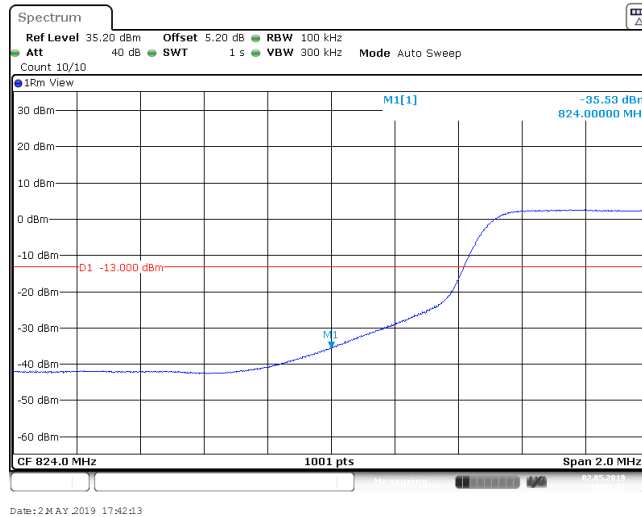
**BAND 26\_10MHz\_QPSK\_26840\_1RB#0**



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**BAND 26\_10MHz\_QPSK\_26840\_50RB#0**

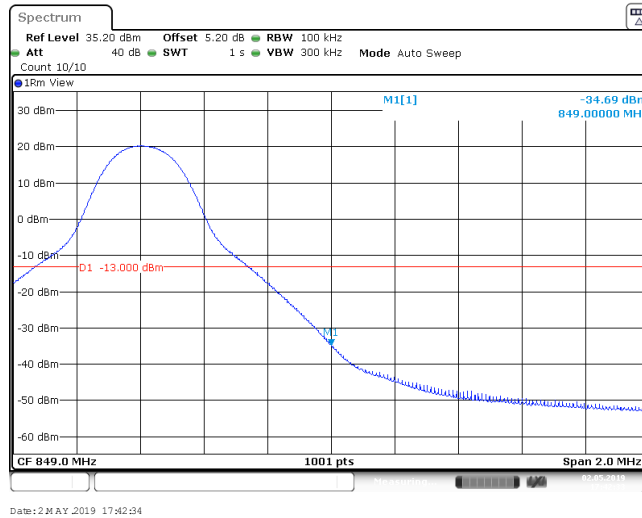


**BAND 26\_10MHz\_QPSK\_26990\_1RB#49**



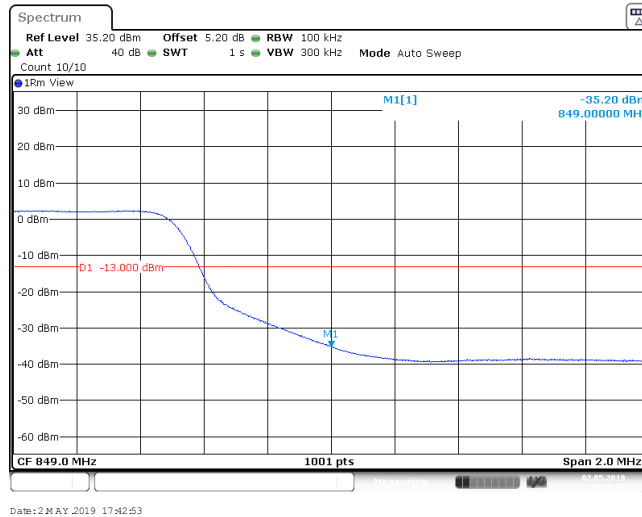
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Date: 2 MAY 2019 17:42:34

**BAND 26\_10MHz\_QPSK\_26990\_50RB#0**

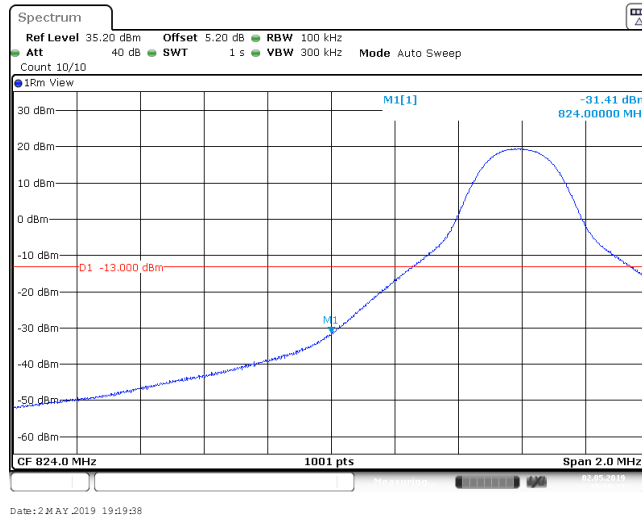


Date: 2 MAY 2019 17:42:53

**BAND 26\_10MHz\_16QAM\_26840\_1RB#0**

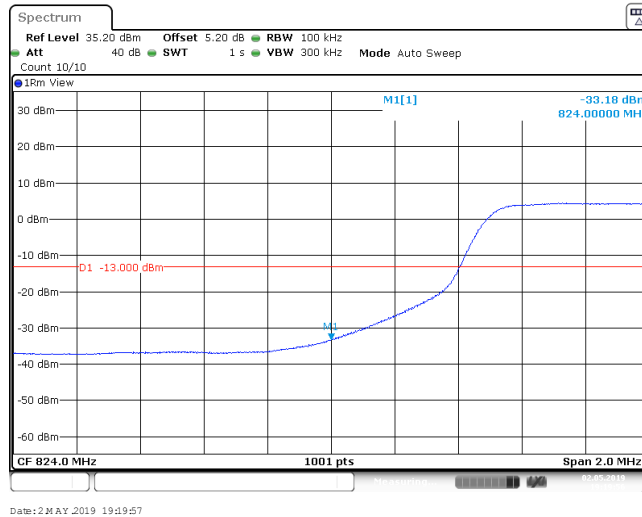


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Date: 2 MAY 2019 19:19:38

**BAND 26\_10MHz\_16QAM\_26840\_27RB#0**



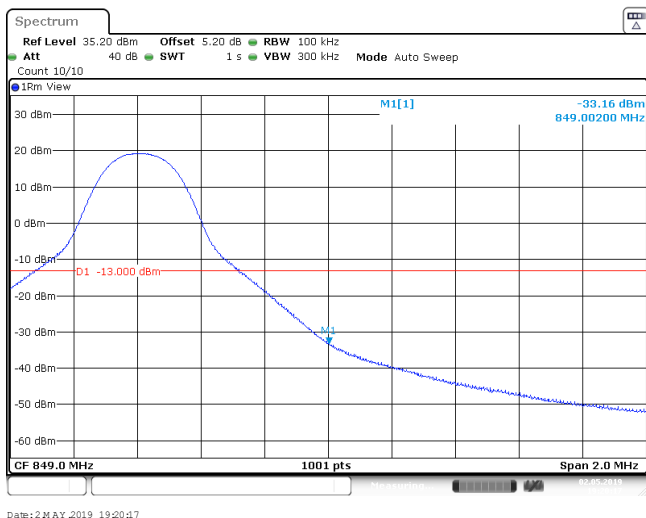
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**BAND 26\_10MHz\_16QAM\_26990\_1RB#49**

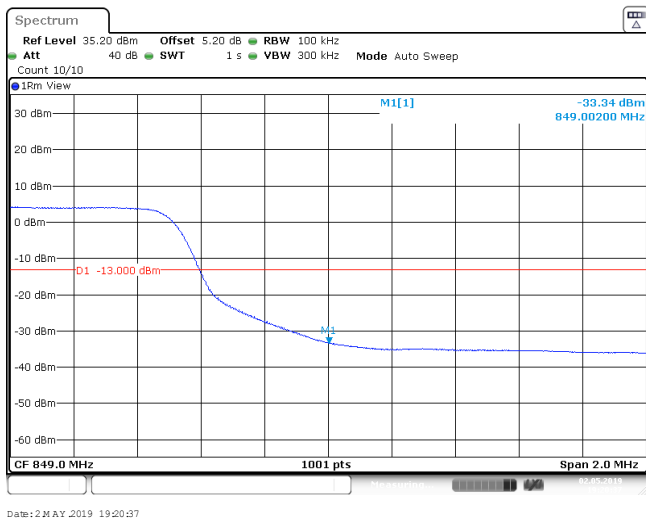


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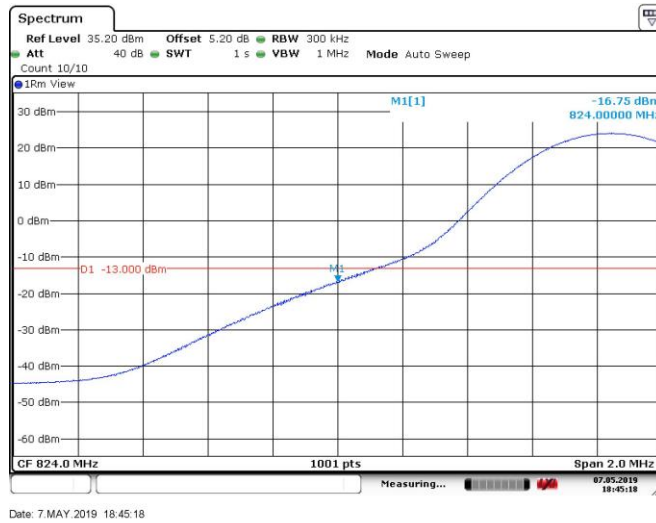
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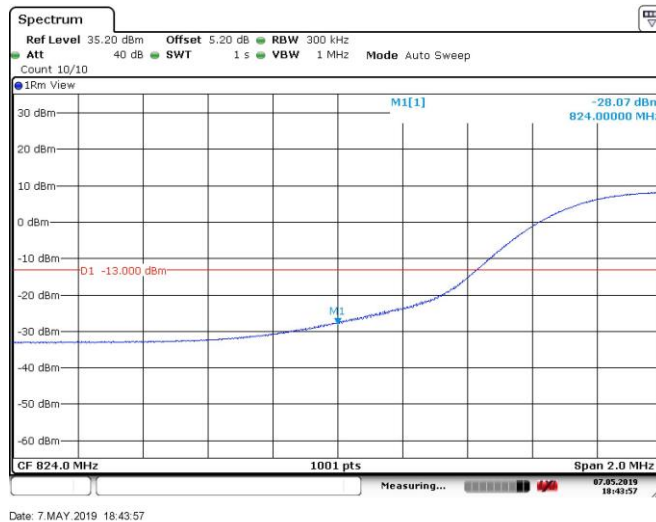
**BAND 26\_15MHz\_QPSK\_26865\_1RB#0**



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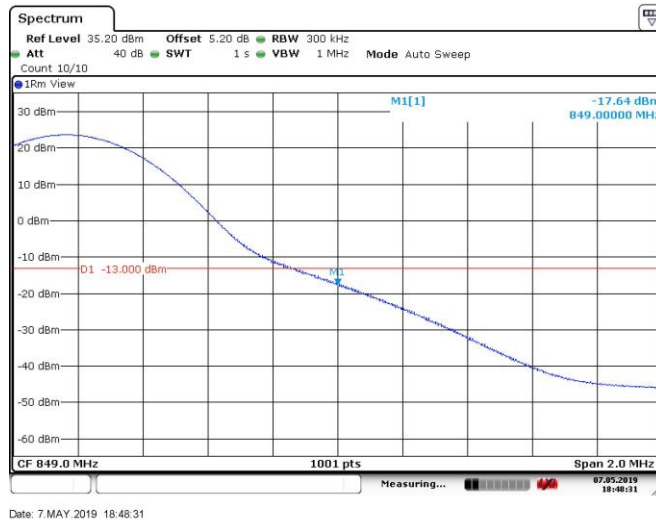
**BAND 26\_15MHz\_QPSK\_26865\_75RB#0**



**BAND 26\_15MHz\_QPSK\_26965\_1RB#74**

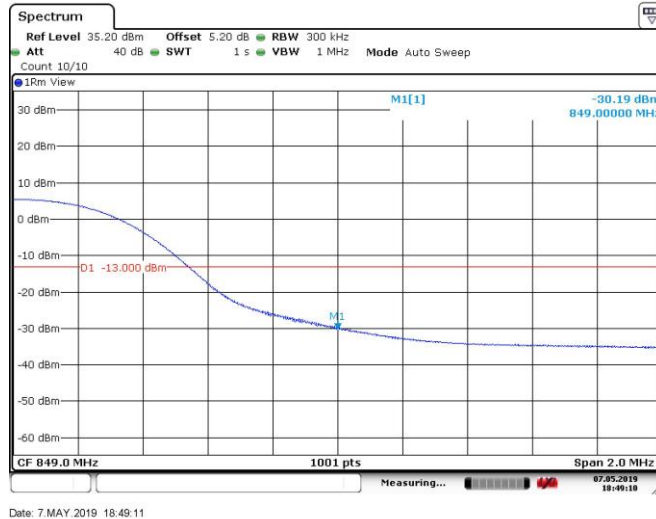


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Date: 7 MAY 2019 18:48:31

**BAND 26\_15MHz\_QPSK\_26965\_75RB#0**



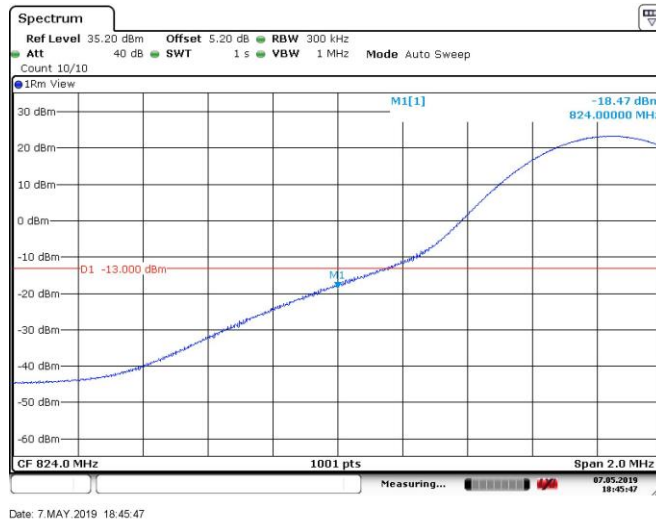
Date: 7 MAY 2019 18:49:11

**BAND 26\_15MHz\_16QAM\_26865\_1RB#0**

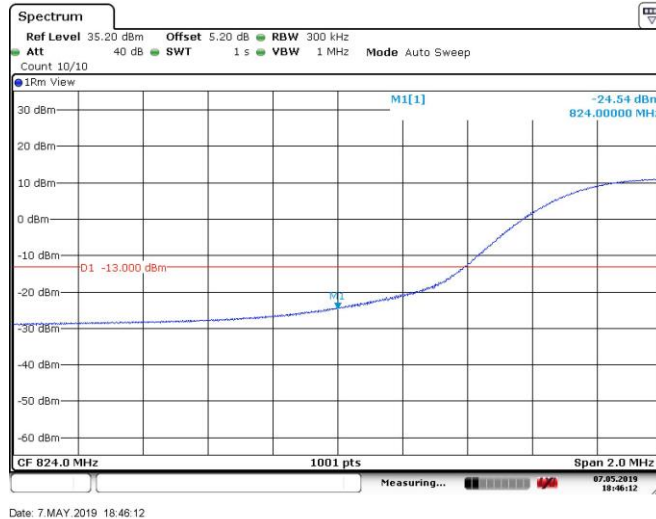


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**BAND 26\_15MHz\_16QAM\_26865\_27RB#0**

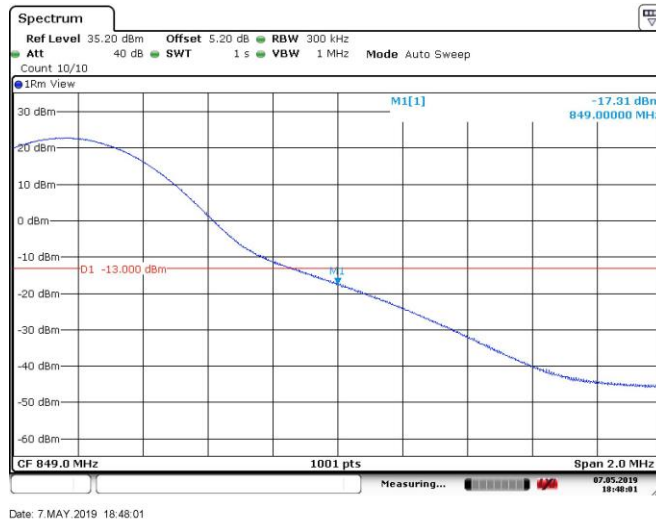


**BAND 26\_15MHz\_16QAM\_26965\_1RB#74**

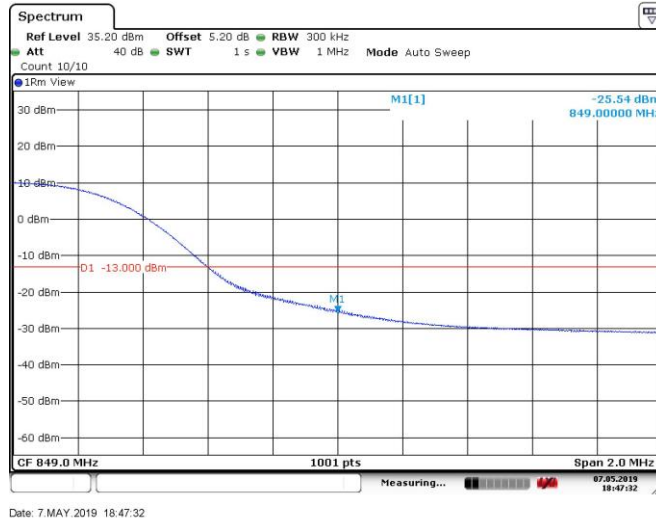


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**BAND 26\_15MHz\_16QAM\_26965\_27RB#48**



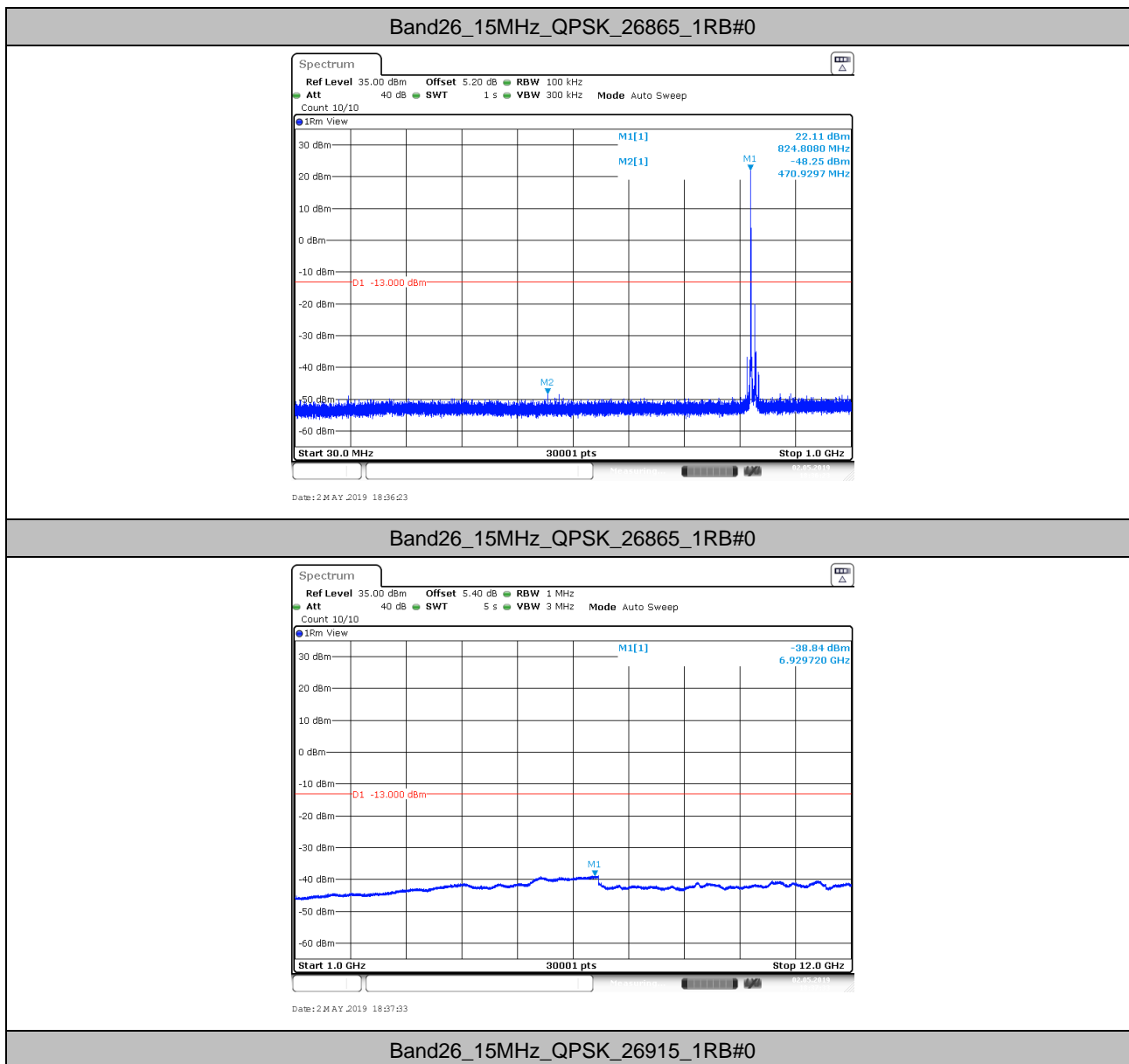
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## 6. Spurious Emission at Antenna Terminal

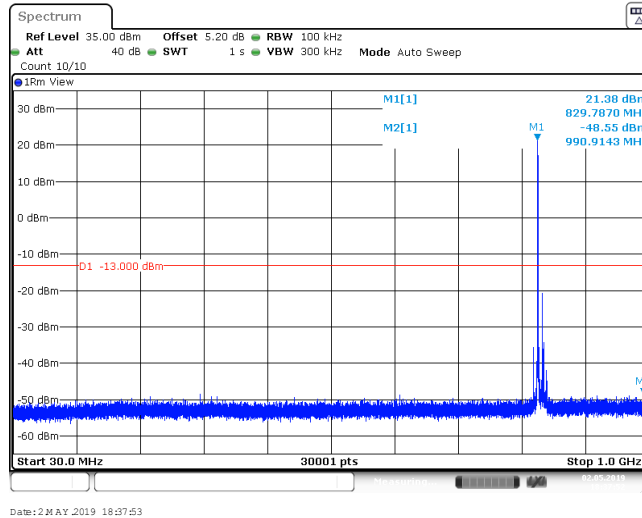
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points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

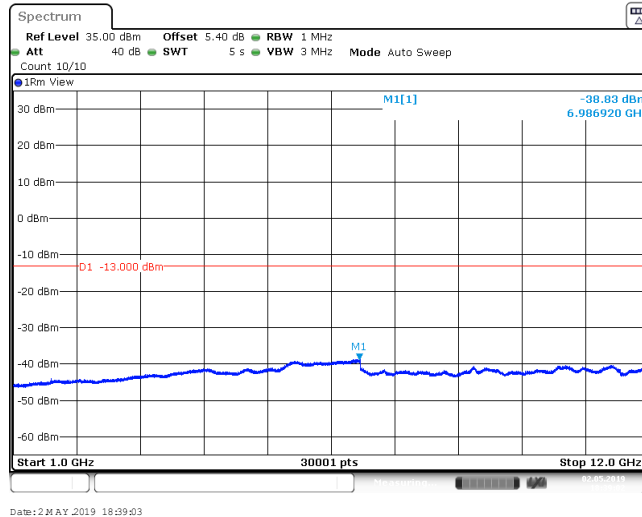
### 6.1. Test Plots



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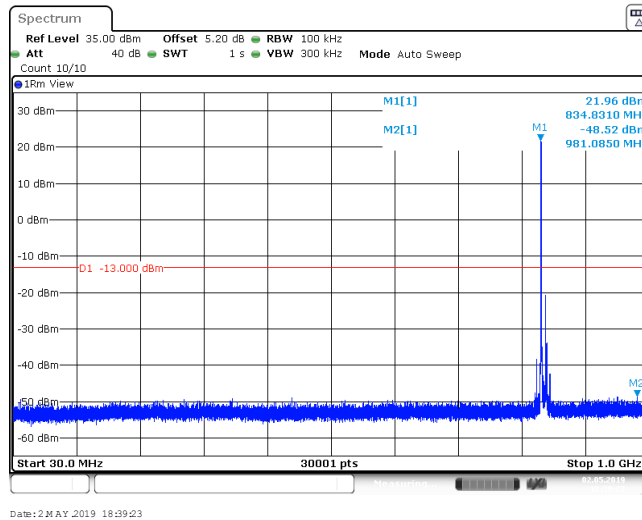
**Band26\_15MHz\_QPSK\_26915\_1RB#0**



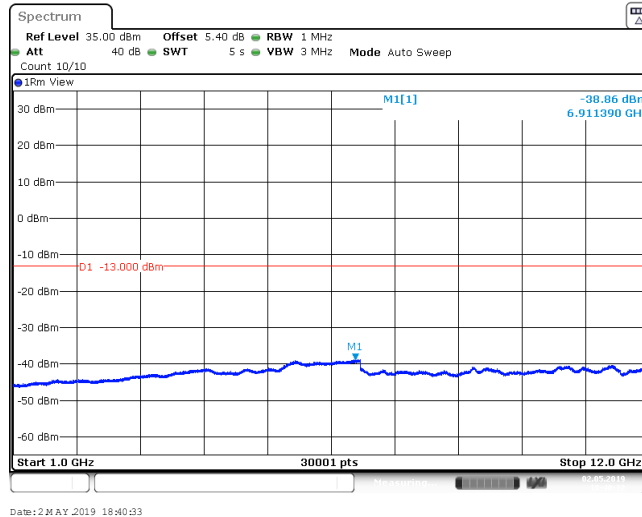
**Band26\_15MHz\_QPSK\_26965\_1RB#0**



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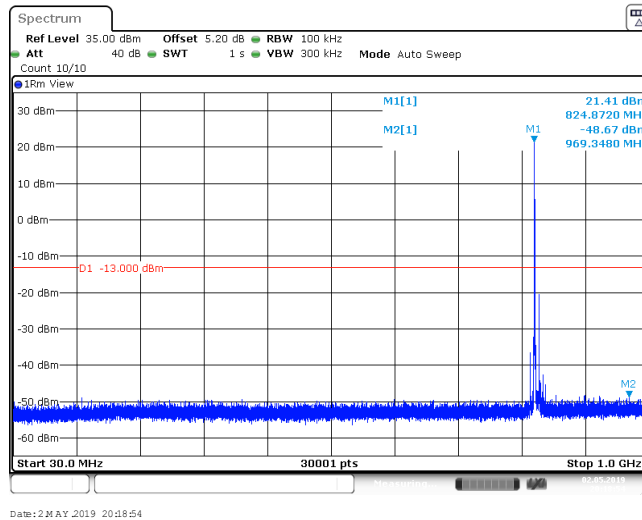
**Band26\_15MHz\_QPSK\_26965\_1RB#0**



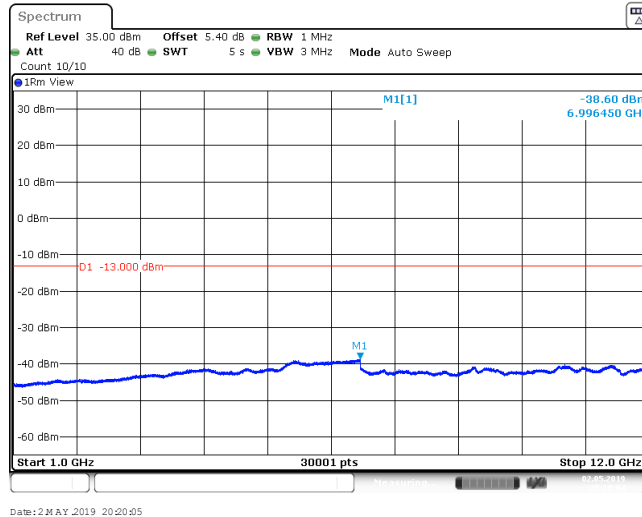
**Band26\_15MHz\_16QAM\_26865\_1RB#0**



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

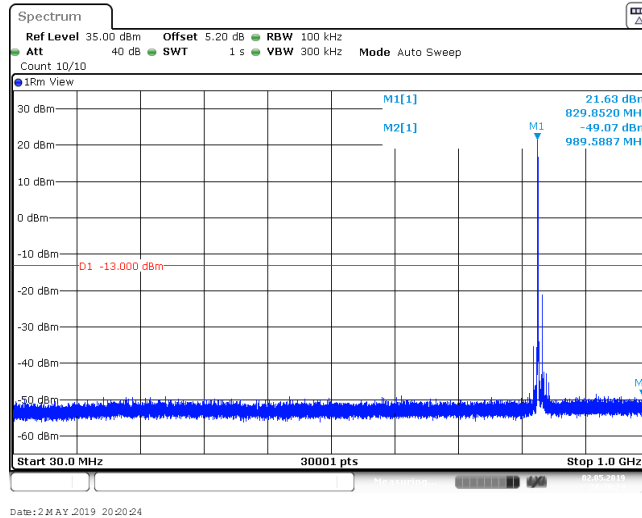


**Band26\_15MHz\_16QAM\_26915\_1RB#0**

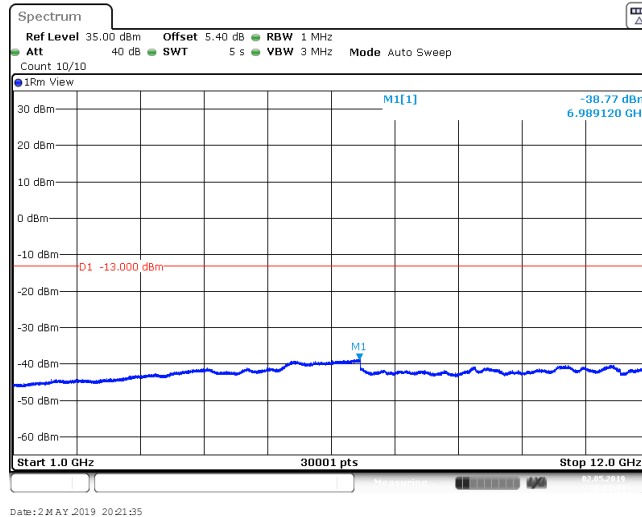


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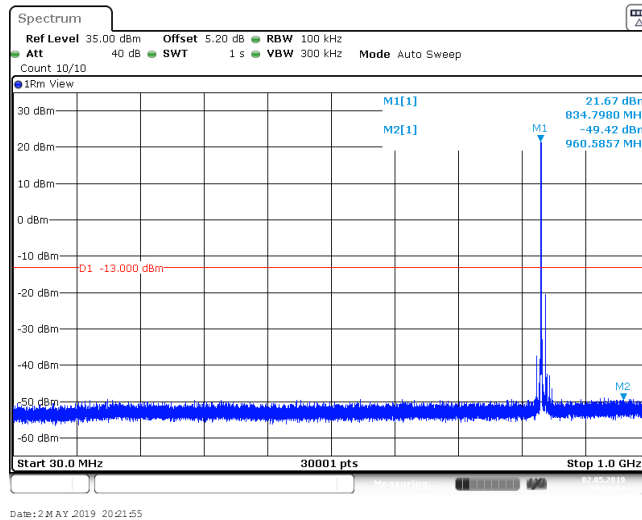
**Band26\_15MHz\_16QAM\_26915\_1RB#0**



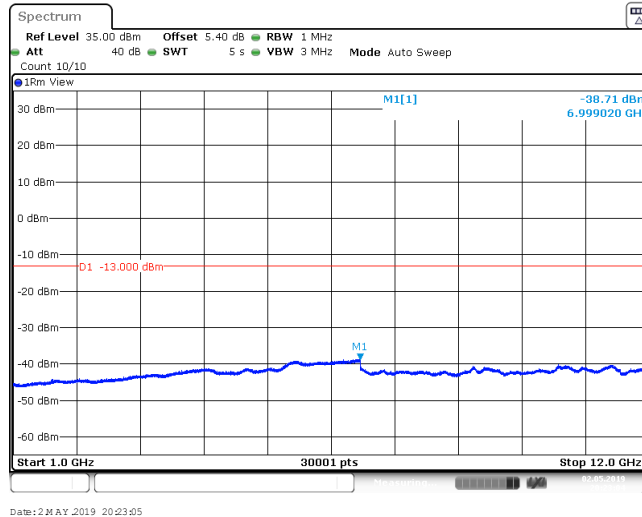
**Band26\_15MHz\_16QAM\_26965\_1RB#0**



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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

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.681	-66.64	-13	53.64	Vertical
107.94	-65.56	-13	52.56	Vertical
505.9662	-62.97	-13	49.97	Vertical
1628.3829	-47.84	-13	34.84	Vertical
3261.6416	-44.68	-13	31.68	Vertical
8945.9532	-39.31	-13	26.31	Vertical
45.2117	-63.41	-13	50.41	Horizontal
235.9684	-62.44	-13	49.44	Horizontal
590.1904	-67.55	-13	54.55	Horizontal
1626.4919	-36.30	-13	23.30	Horizontal
2443.4219	-46.33	-13	33.33	Horizontal
7939.6007	-45.95	-13	32.95	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
68.4629	-65.16	-13	52.16	Vertical
108.425	-65.46	-13	52.46	Vertical
393.101	-62.57	-13	49.57	Vertical
1648.3869	-47.91	-13	34.91	Vertical
3301.643	-44.08	-13	31.08	Vertical
4948.02	-40.27	-13	27.27	Vertical
45.6967	-65.18	-13	52.18	Horizontal
163.6027	-62.56	-13	49.56	Horizontal
627.6343	-66.73	-13	53.73	Horizontal
1646.4959	-37.05	-13	24.05	Horizontal
3117.337	-47.47	-13	34.47	Horizontal
8661.4248	-45.17	-13	32.17	Horizontal



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**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
62.109	-65.15	-13	52.15	Vertical
112.8872	-64.83	-13	51.83	Vertical
644.6346	-61.89	-13	48.89	Vertical
1668.3909	-49.68	-13	36.68	Vertical
3341.4443	-44.03	-13	31.03	Vertical
8590.3414	-39.49	-13	26.49	Vertical
44.2417	-63.72	-13	50.72	Horizontal
149.634	-63.43	-13	50.43	Horizontal
510.4524	-66.51	-13	53.51	Horizontal
1666.4999	-36.31	-13	23.31	Horizontal
2503.0339	-46.95	-13	33.95	Horizontal
7983.8022	-46.15	-13	33.15	Horizontal

**Remark:**

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.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	-11.31	-0.013598	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	3.35	0.004026	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	0.62	0.000745	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	-13.72	-0.016402	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	8.86	0.010588	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	-9.05	-0.010815	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VL	NT	-5.70	-0.006773	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	12.25	0.014553	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	-1.16	-0.001382	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	VL	NT	-14.06	-0.016911	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	VN	NT	6.66	0.008014	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	VH	NT	-9.52	-0.011444	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	VL	NT	0.96	0.001150	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	VN	NT	-6.00	-0.007178	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	VH	NT	-2.64	-0.003161	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	VL	NT	-14.44	-0.017159	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	VN	NT	10.19	0.012107	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	VH	NT	0.64	0.000760	±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	1.48	0.001781	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	-20	1.37	0.001645	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	0	-11.88	-0.014293	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	10	7.52	0.009041	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	20	9.79	0.011769	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	12.22	0.014694	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	-5.28	-0.006354	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	50	-2.02	-0.002429	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	-2.46	-0.002940	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	-7.75	-0.009263	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	-0.96	-0.001145	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	-14.77	-0.017661	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	-6.43	-0.007687	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	30	3.90	0.004668	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	40	-10.08	-0.012044	±2.5	PASS



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Band26	15MHz	QPSK	26915	75RB#0	NV	50	-4.47	-0.005341	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	4.63	0.005503	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-10.40	-0.012359	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	12.74	0.015142	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	10	-1.03	-0.001228	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	5.04	0.005988	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	-13.03	-0.015480	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	40	-7.85	-0.009332	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	50	-8.35	-0.009923	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	-30	-7.72	-0.009284	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	-20	9.90	0.011900	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	0	-2.70	-0.003251	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	10	0.41	0.000487	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	20	-13.70	-0.016481	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	30	1.27	0.001533	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	40	9.25	0.011128	±2.5	PASS
Band26	15MHz	16QAM	26865	27RB#0	NV	50	-4.33	-0.005206	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	-30	-10.83	-0.012949	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	-20	-12.46	-0.014894	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	0	2.60	0.003109	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	10	-10.63	-0.012703	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	20	8.94	0.010683	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	30	-1.63	-0.001945	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	40	9.79	0.011706	±2.5	PASS
Band26	15MHz	16QAM	26915	27RB#0	NV	50	-7.15	-0.008548	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	-30	3.63	0.004311	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	-20	11.28	0.013408	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	0	0.76	0.000907	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	10	11.08	0.013170	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	20	1.86	0.002205	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	30	-8.57	-0.010181	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	40	13.69	0.016267	±2.5	PASS
Band26	15MHz	16QAM	26965	27RB#0	NV	50	-6.49	-0.007716	±2.5	PASS

The End



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