



# Appendix B

## E-UTRA Band 26 (814-824)



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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	26697	1RB#0	23.70	19.68	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.58	19.56	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.70	19.68	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.74	19.72	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.60	19.58	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.84	19.82	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.50	18.48	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.87	19.85	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.87	19.85	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.68	19.66	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.70	19.68	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.55	19.53	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.70	19.68	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.71	18.69	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.56	19.54	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.78	19.76	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.87	19.85	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	23.80	19.78	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	23.55	19.53	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.72	19.70	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.54	18.52	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.54	18.52	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.70	18.68	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.84	18.82	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.58	18.56	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.80	18.78	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.51	18.49	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.56	17.54	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.83	18.81	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.59	18.57	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.86	18.84	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	22.76	18.74	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	22.57	18.55	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.71	18.69	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.66	17.64	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.70	18.68	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.55	18.53	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.72	18.70	50.00	PASS



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Band26	1.4MHz	16QAM	26783	3RB#0	22.81	18.79	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.69	18.67	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	22.90	18.88	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.89	17.87	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.59	19.57	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.51	19.49	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.81	19.79	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#7	22.61	18.59	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.83	18.81	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.62	18.60	50.00	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.64	18.62	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.62	19.60	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.76	19.74	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.68	19.66	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.79	18.77	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.61	18.59	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.58	18.56	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.54	18.52	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.88	19.86	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.74	19.72	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.75	19.73	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#4	22.74	18.72	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#7	22.66	18.64	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#0	22.73	18.71	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.69	18.67	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.65	18.63	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.52	18.50	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.64	18.62	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.62	17.60	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.67	17.65	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#4	21.75	17.73	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.90	17.88	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.70	18.68	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.52	18.50	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.66	18.64	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.56	17.54	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.86	17.84	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.79	17.77	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.50	17.48	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.87	18.85	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.62	18.60	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.88	18.86	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.50	17.48	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.85	17.83	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#4	21.58	17.56	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.58	17.56	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.75	19.73	50.00	PASS



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Band26	5MHz	QPSK	26715	1RB#12	23.65	19.63	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.51	19.49	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.81	18.79	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.58	18.56	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.71	18.69	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.82	18.80	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.77	19.75	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.77	19.75	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.64	19.62	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.61	18.59	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.63	18.61	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.74	18.72	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.86	18.84	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.60	19.58	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.76	19.74	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.90	19.88	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#13	22.90	18.88	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.57	18.55	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.56	18.54	50.00	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.76	18.74	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.83	18.81	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.73	18.71	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.75	18.73	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.79	17.77	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#13	21.72	17.70	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.56	17.54	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.52	17.50	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.71	18.69	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.88	18.86	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.63	18.61	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.87	17.85	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.76	17.74	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.76	17.74	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.87	17.85	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.56	18.54	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.68	18.66	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.73	18.71	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#0	21.85	17.83	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.77	17.75	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.84	17.82	50.00	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.81	17.79	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.89	19.87	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.62	19.60	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.71	19.69	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#25	22.82	18.80	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#12	22.64	18.62	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.61	18.59	50.00	PASS



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Band26	10MHz	QPSK	26740	50RB#0	22.80	18.78	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.87	18.85	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.70	18.68	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.77	18.75	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.87	17.85	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#12	21.60	17.58	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#25	21.88	17.86	50.00	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.80	17.78	50.00	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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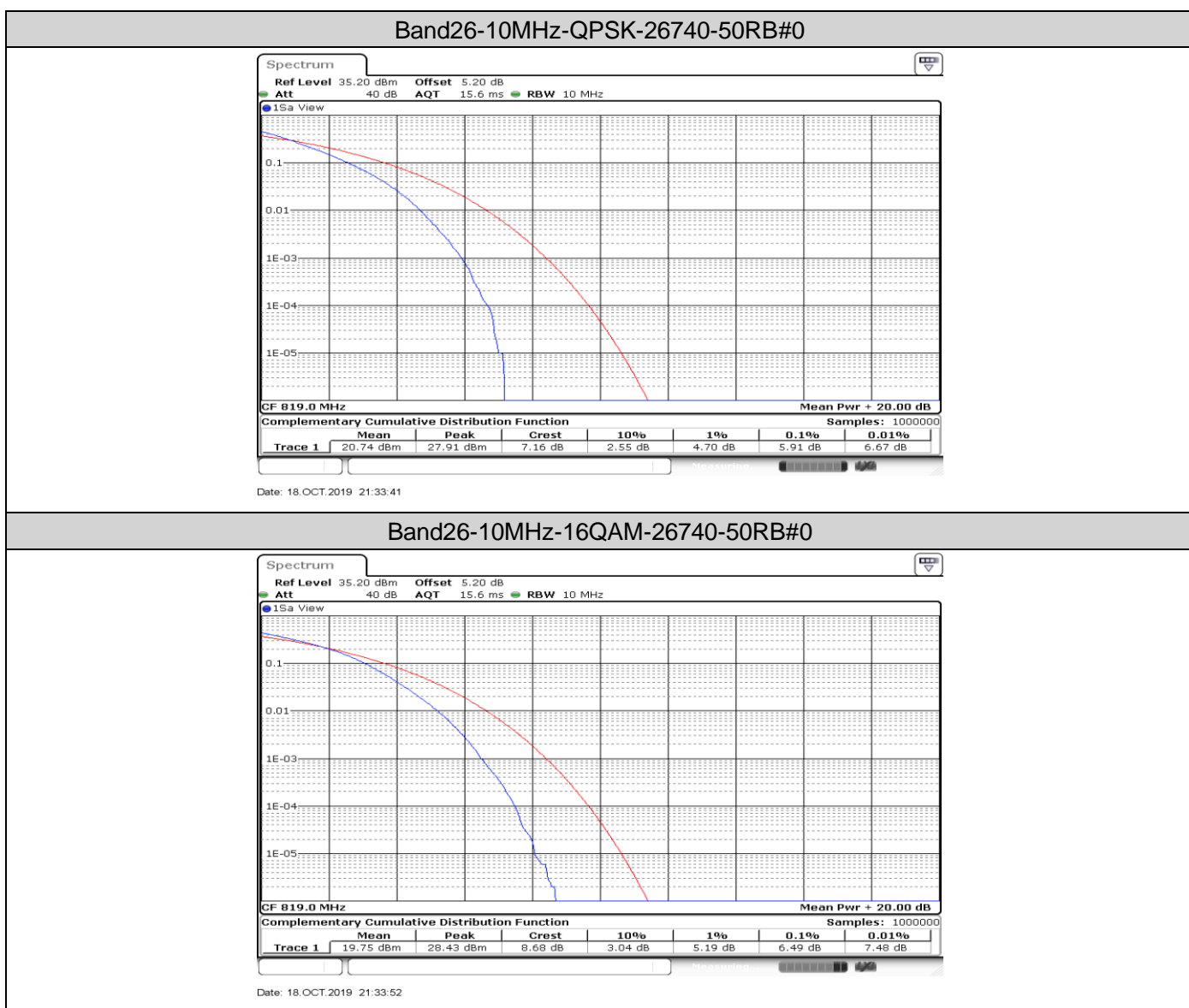


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	5.91	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	6.49	13	PASS

### 2.2. Test Plots



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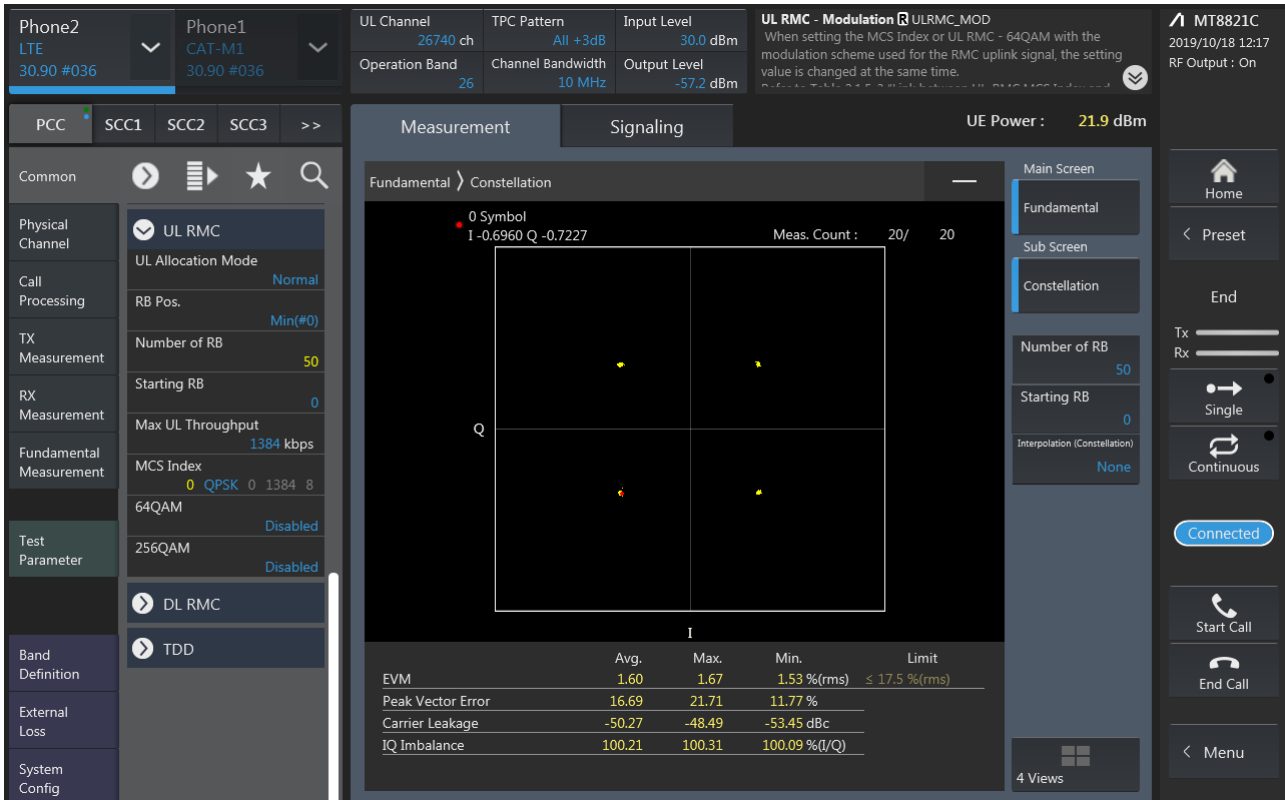
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

##### 3.1.1. Test Channel = MCH



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Shenzhen Branch (CMA, CNAS, ILAC) Laboratory

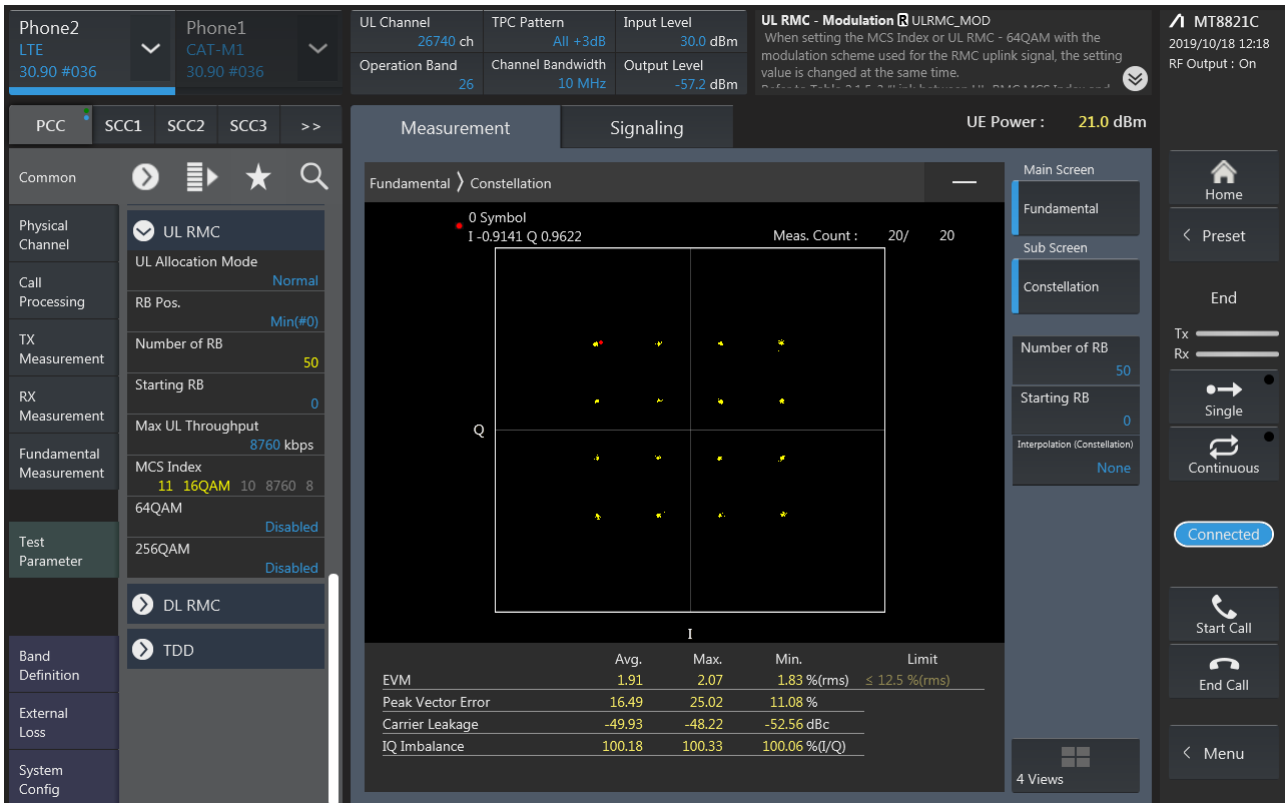
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





### 3.2. Test Mode = LTE /TM2 10MHz

#### 3.2.1. 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	26697	6RB#0	1.088	1.284	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.088	1.284	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.088	1.275	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.091	1.299	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.091	1.296	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.088	1.287	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.691	2.916	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.691	2.922	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.685	2.916	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.679	2.916	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.679	2.916	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.679	2.892	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.476	4.870	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.476	4.830	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.466	4.980	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.486	4.870	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.476	4.830	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.476	4.850	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.931	9.660	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.931	9.660	PASS

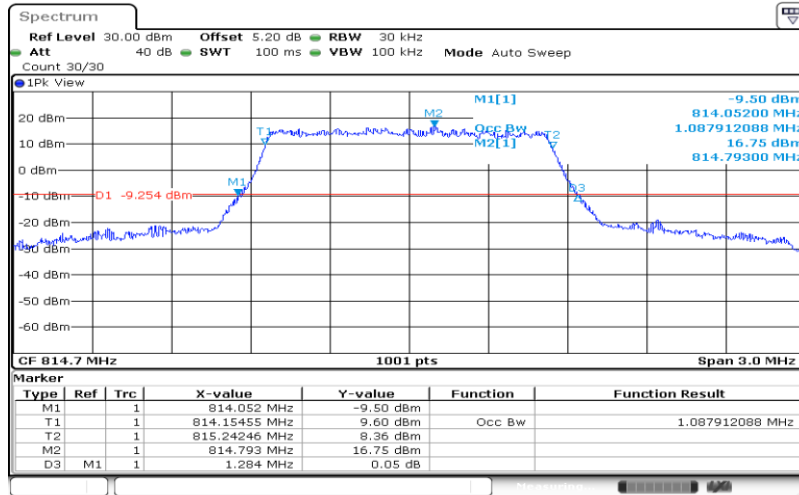


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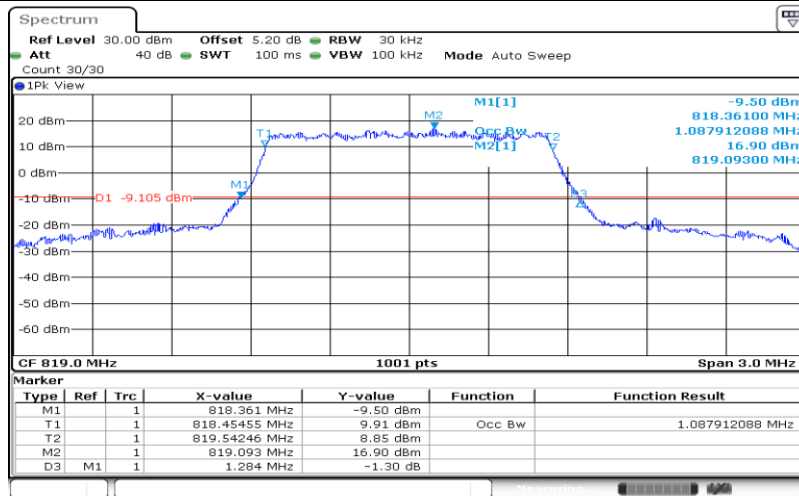
### 4.2. Test Plots

**Band26-1.4MHz-QPSK-26697-6RB#0-1.088**



Date: 18.OCT.2019 21:25:30

**Band26-1.4MHz-QPSK-26740-6RB#0-1.088**

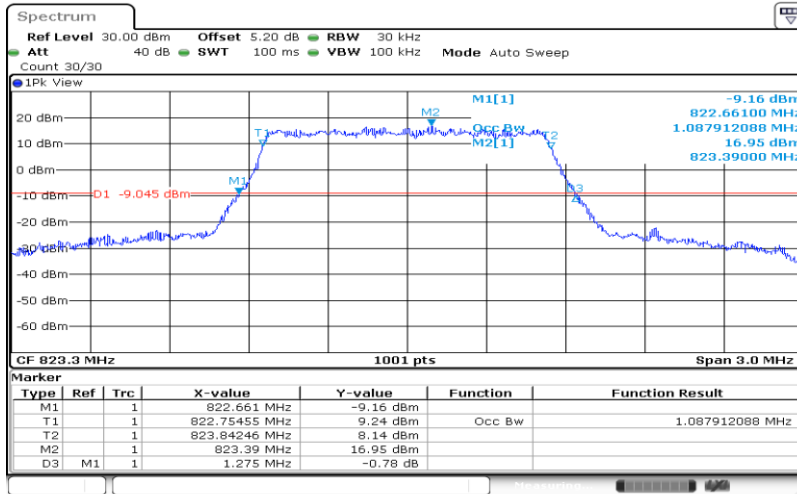


Date: 18.OCT.2019 21:25:55

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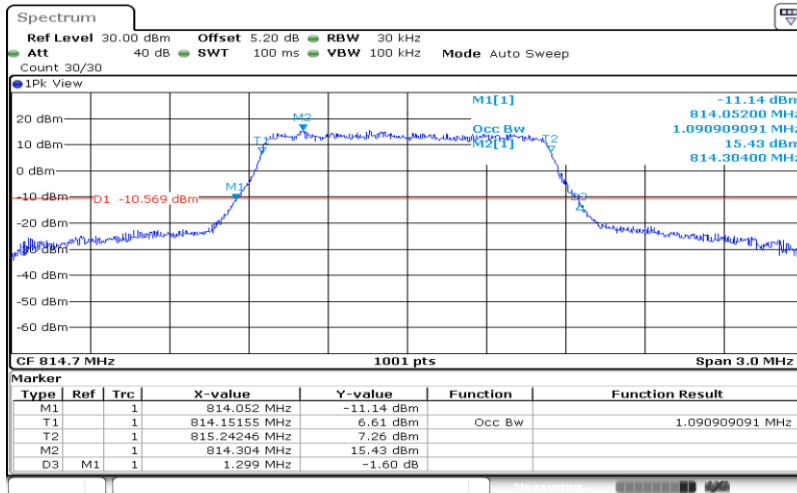


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Date: 18.OCT.2019 21:26:21

**Band26-1.4MHz-16QAM-26697-6RB#0-1.091**



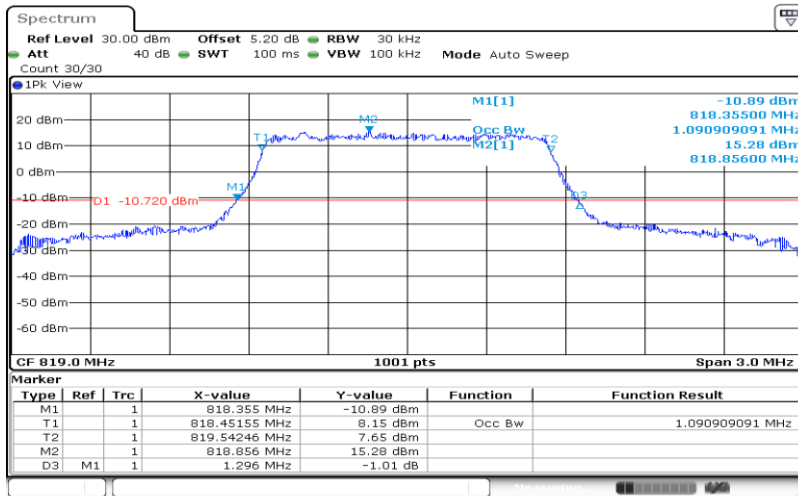
Date: 18.OCT.2019 21:25:42

**Band26-1.4MHz-16QAM-26740-6RB#0-1.091**



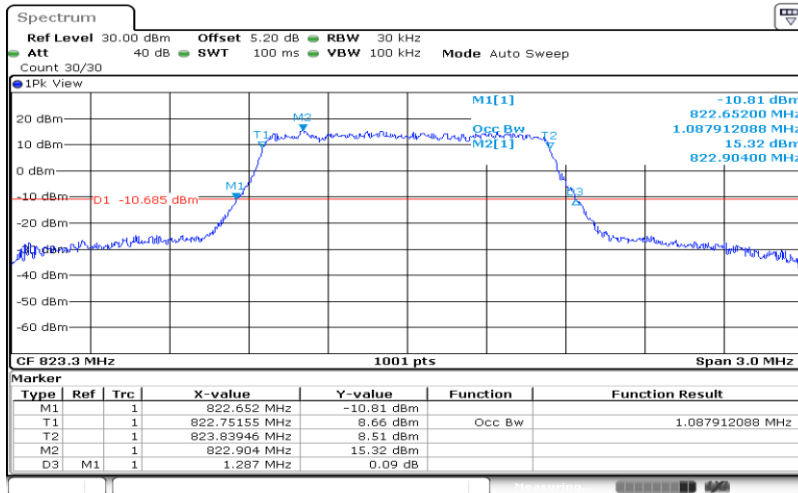
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Date: 18.OCT.2019 21:26:08

**Band26-1.4MHz-16QAM-26783-6RB#0-1.088**

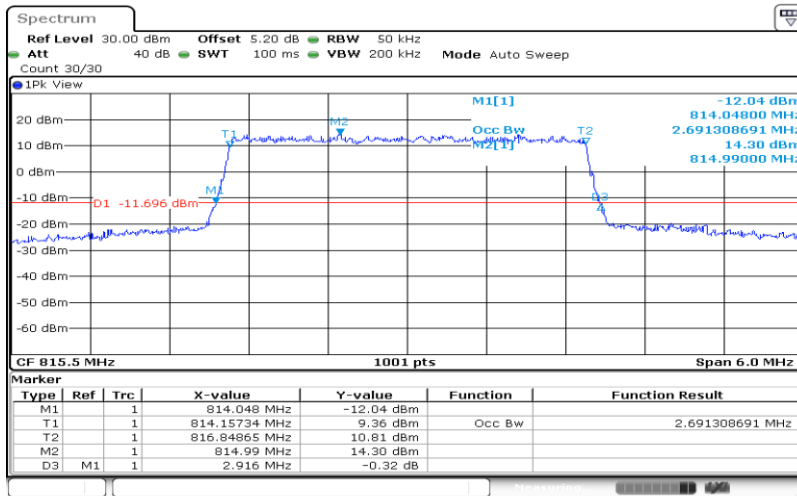


Date: 18.OCT.2019 21:26:33

**Band26-3MHz-QPSK-26705-15RB#0-2.691**

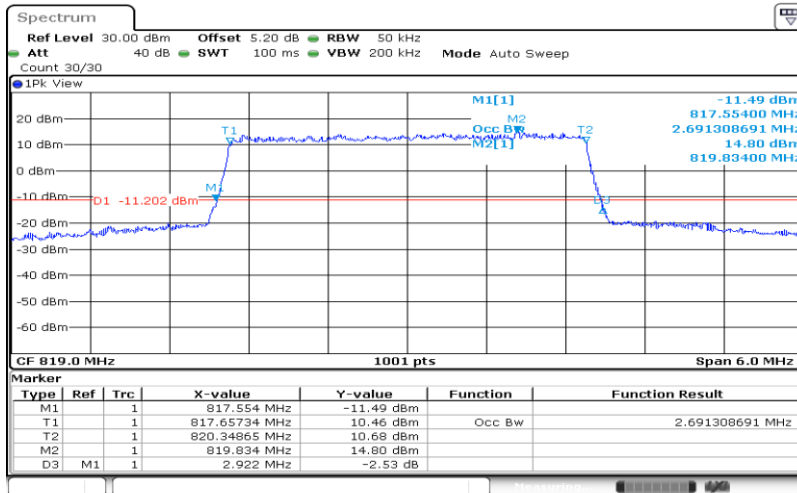


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Date: 18.OCT.2019 21:26:51

**Band26-3MHz-QPSK-26740-15RB#0-2.691**

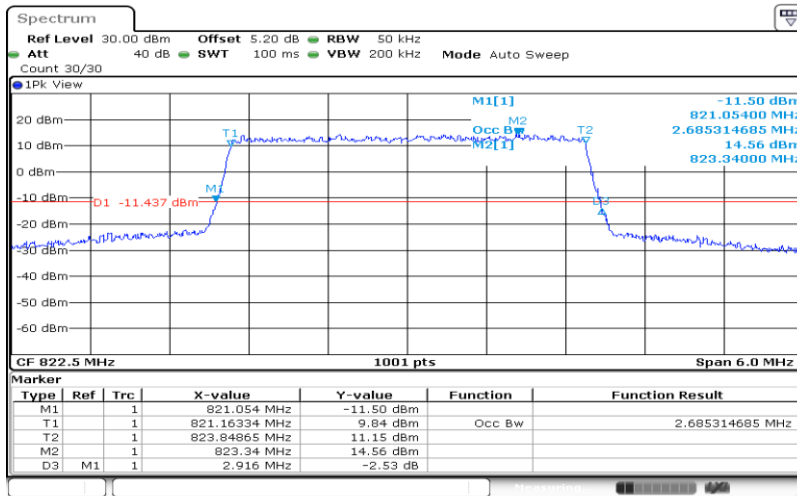


Date: 18.OCT.2019 21:27:16

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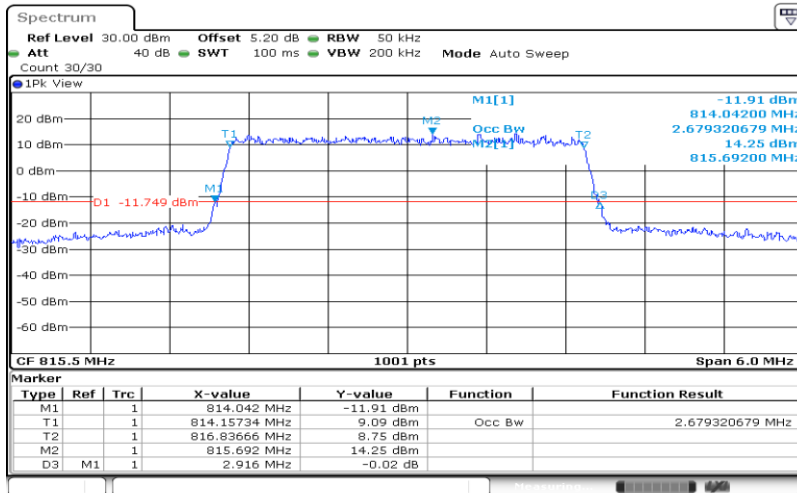


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Date: 18.OCT.2019 21:27:42

**Band26-3MHz-16QAM-26705-15RB#0-2.679**

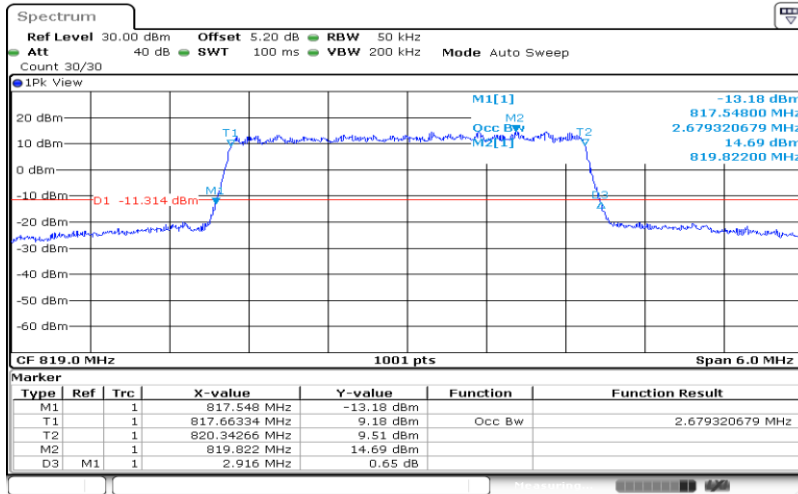


Date: 18.OCT.2019 21:27:04

**Band26-3MHz-16QAM-26740-15RB#0-2.679**

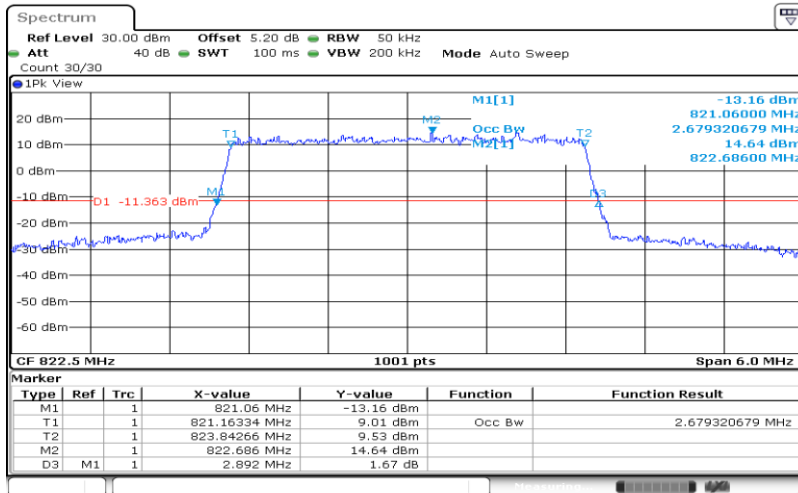


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Date: 18.OCT.2019 21:27:29

**Band26-3MHz-16QAM-26775-15RB#0-2.679**



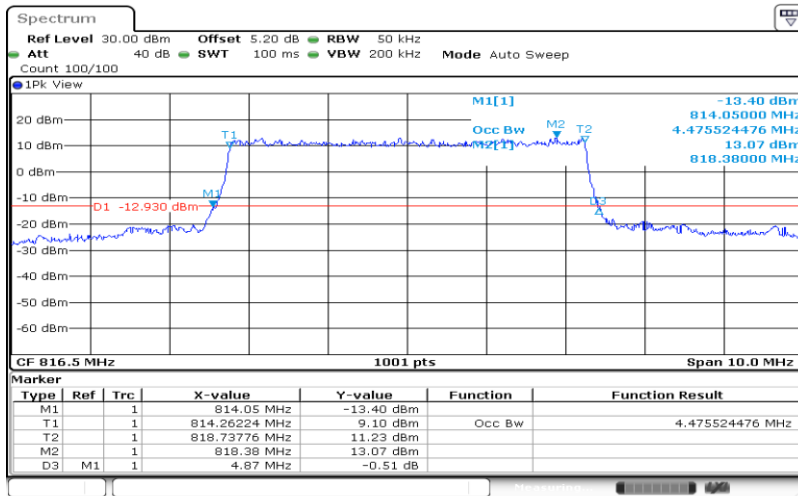
Date: 18.OCT.2019 21:27:55

**Band26-5MHz-QPSK-26715-25RB#0-4.476**



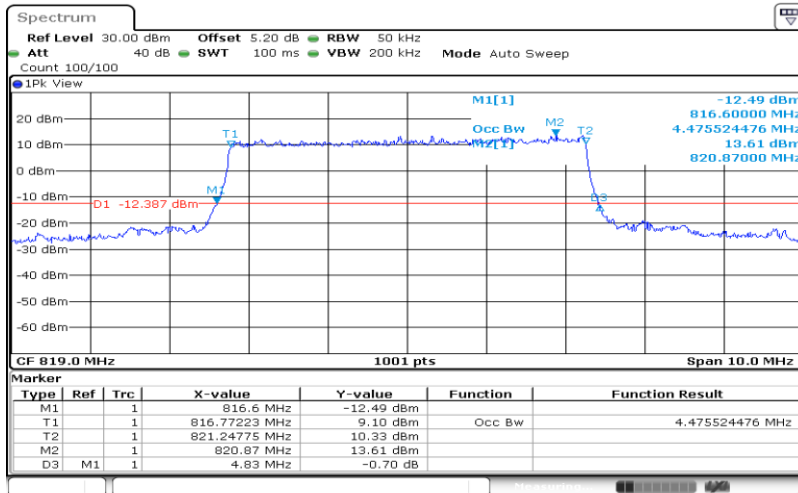
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Date: 18.OCT.2019 21:28:19

**Band26-5MHz-QPSK-26740-25RB#0-4.476**



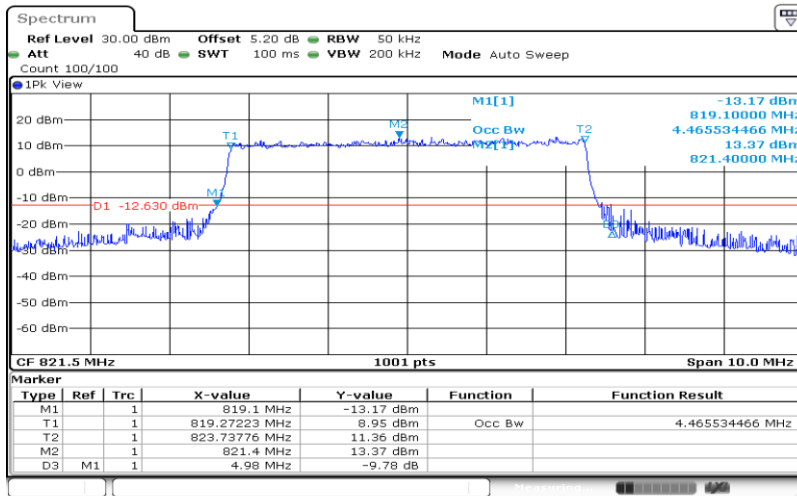
Date: 18.OCT.2019 21:28:59

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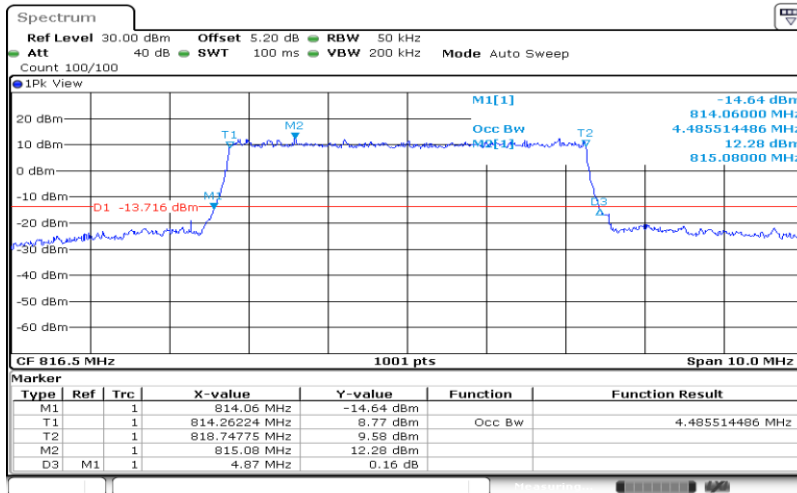
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Date: 18.OCT.2019 21:29:38

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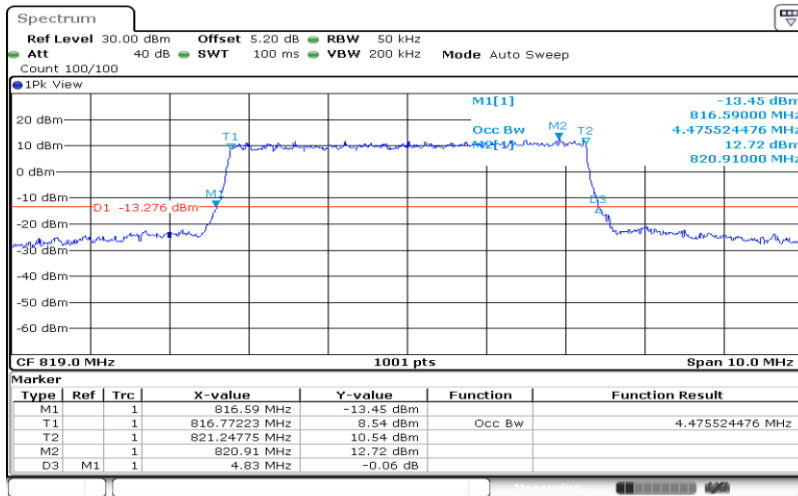


Date: 18.OCT.2019 21:28:39

**Band26-5MHz-16QAM-26740-25RB#0-4.476**

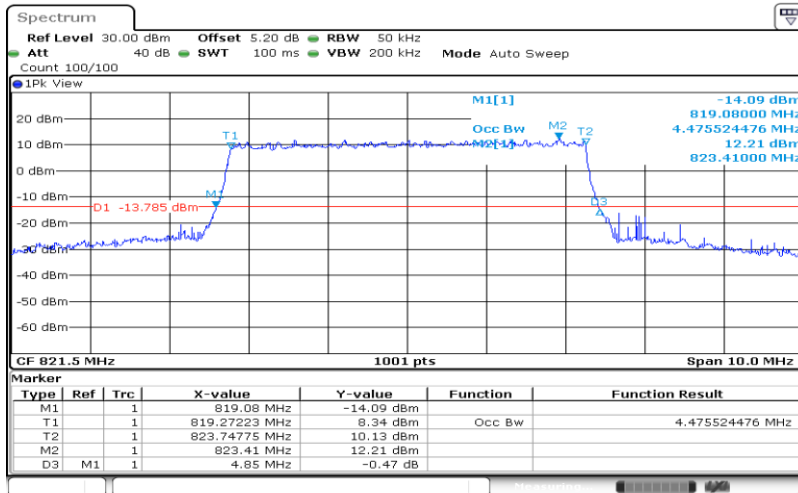


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Date: 18.OCT.2019 21:29:18

**Band26-5MHz-16QAM-26765-25RB#0-4.476**



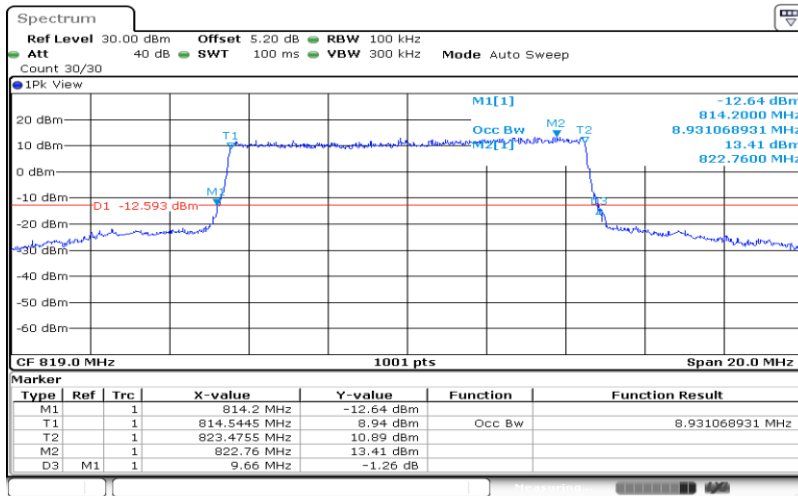
Date: 18.OCT.2019 21:29:58

**Band26-10MHz-QPSK-26740-50RB#0-8.931**



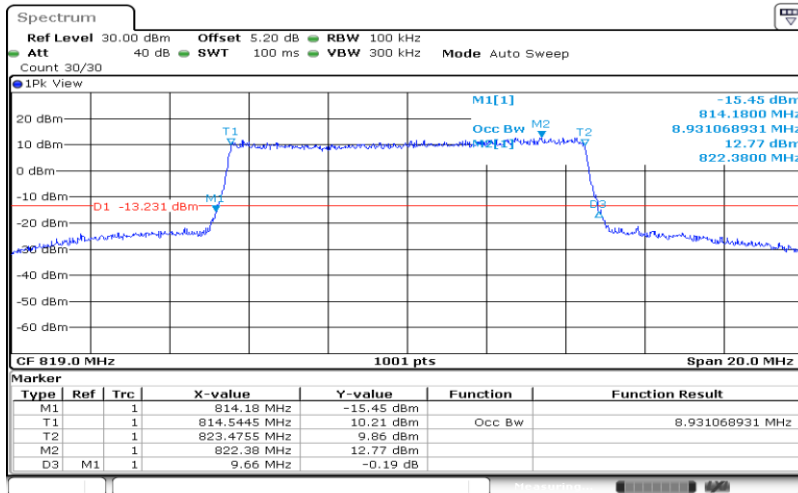
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Date: 18.OCT.2019 21:30:15

**Band26-10MHz-16QAM-26740-50RB#0-8.931**



Date: 18.OCT.2019 21:30:28



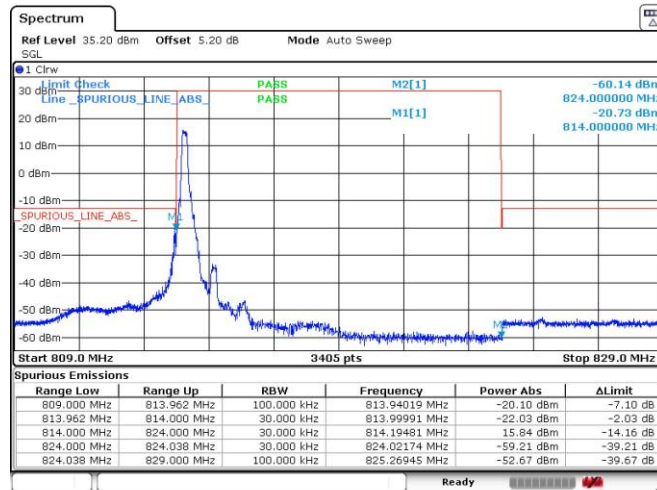
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## 5. Band Edge Compliance

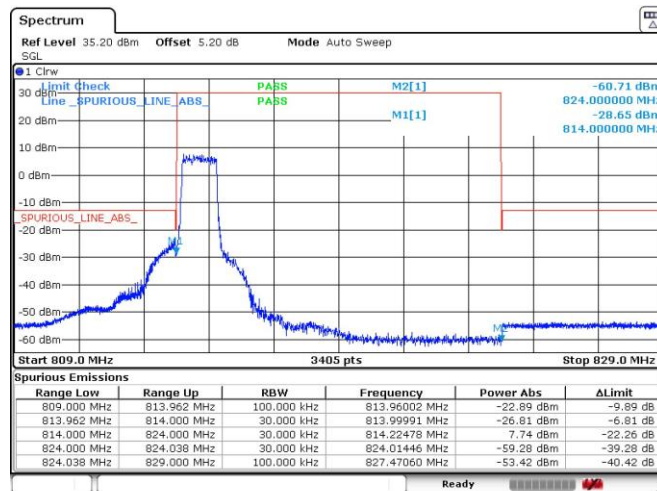
### 5.1. Test Plots

Band 26\_1.4MHz\_QPSK\_26697\_1RB#0



Date: 19.OCT.2019 03:19:50

Band 26\_1.4MHz\_QPSK\_26697\_6RB#0

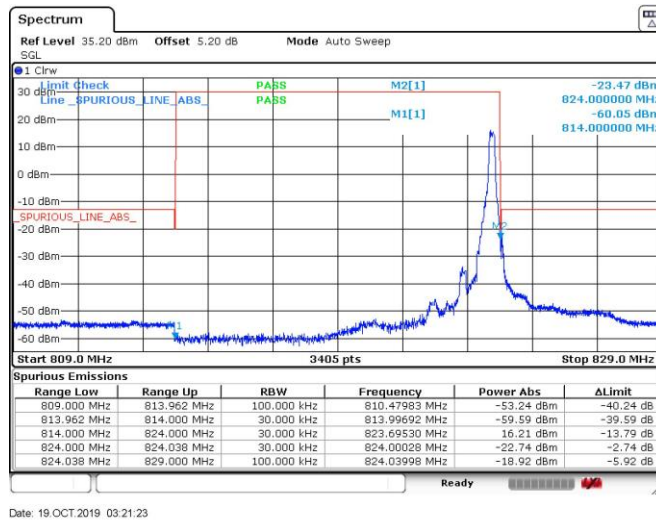


Date: 19.OCT.2019 03:20:27

Band 26\_1.4MHz\_QPSK\_26783\_1RB#5

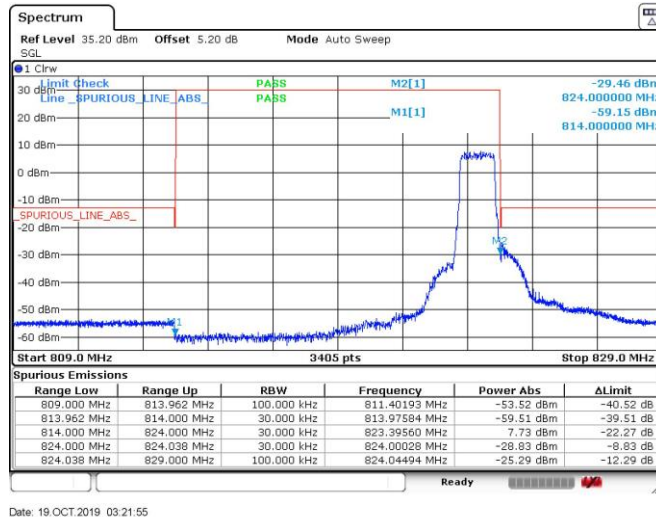


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Date: 19.OCT.2019 03:21:23

**Band 26\_1.4MHz\_QPSK\_26783\_6RB#0**

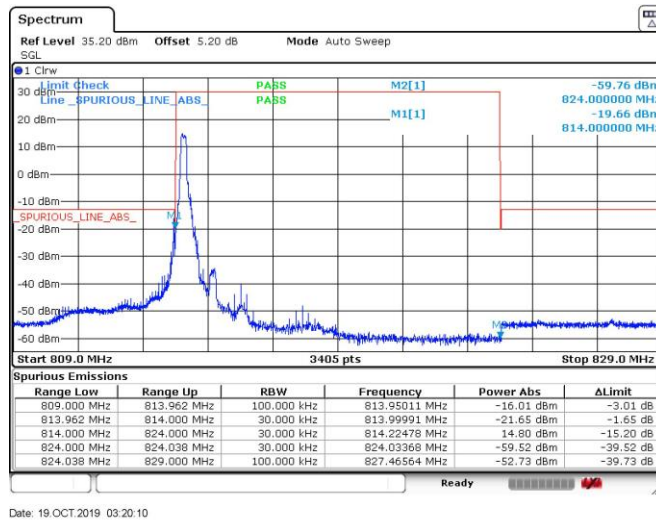


Date: 19.OCT.2019 03:21:55

**Band 26\_1.4MHz\_16QAM\_26697\_1RB#0**

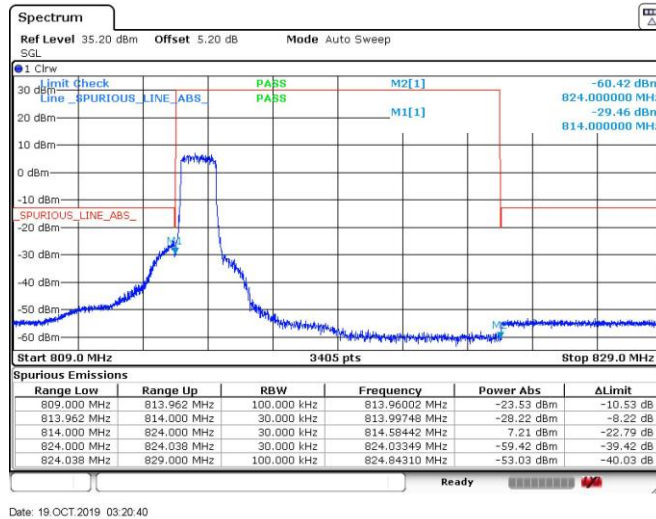


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Date: 19.OCT.2019 03:20:10

**Band 26\_1.4MHz\_16QAM\_26697\_6RB#0**



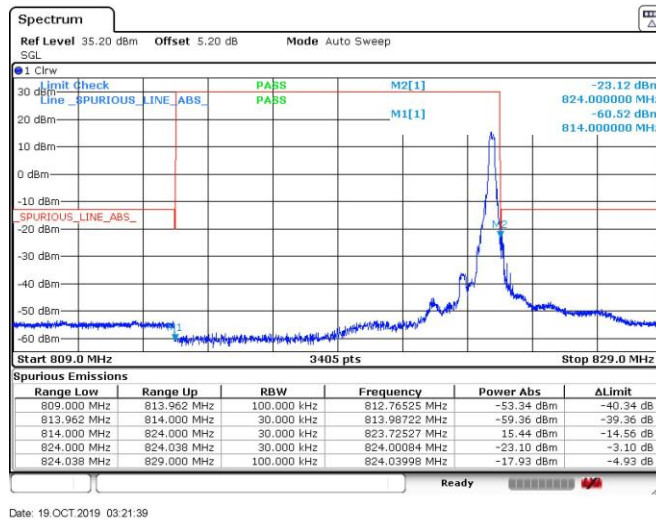
Date: 19.OCT.2019 03:20:40

**Band 26\_1.4MHz\_16QAM\_26783\_1RB#5**



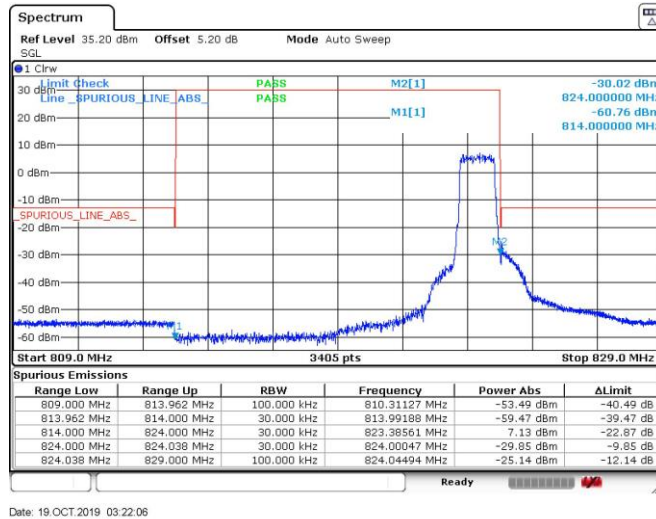
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Date: 19.OCT.2019 03:21:39

**Band 26\_1.4MHz\_16QAM\_26783\_6RB#0**



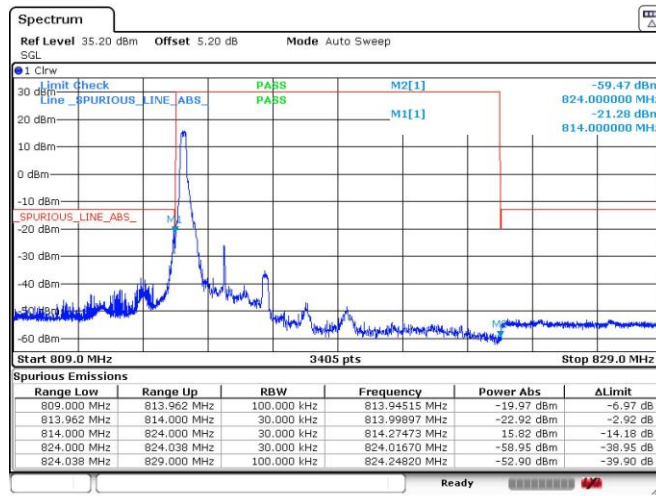
Date: 19.OCT.2019 03:22:06

**Band 26\_3MHz\_QPSK\_26705\_1RB#0**



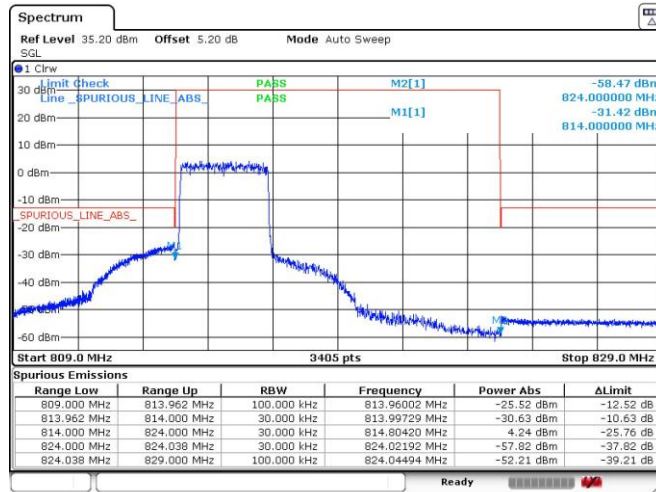
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Date: 19.OCT.2019 03:17:09

**Band 26\_3MHz\_QPSK\_26705\_15RB#0**

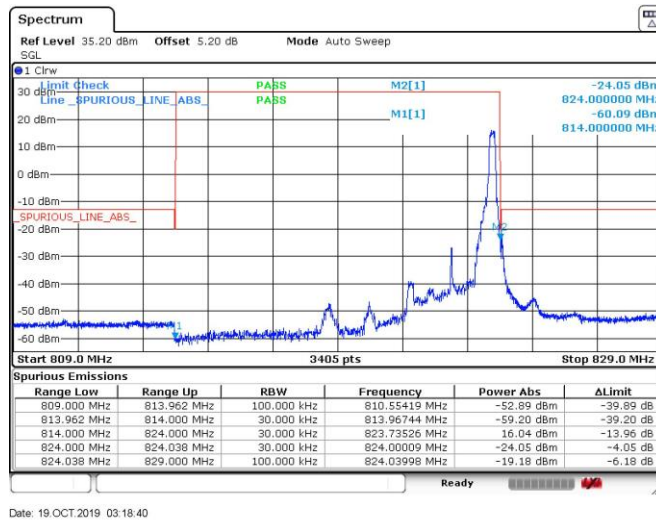


Date: 19.OCT.2019 03:17:56

**Band 26\_3MHz\_QPSK\_26775\_1RB#14**

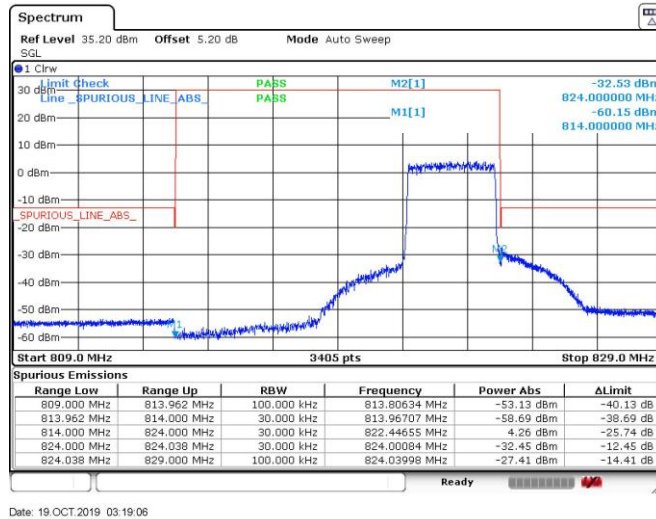


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Date: 19.OCT.2019 03:18:40

**Band 26\_3MHz\_QPSK\_26775\_15RB#0**

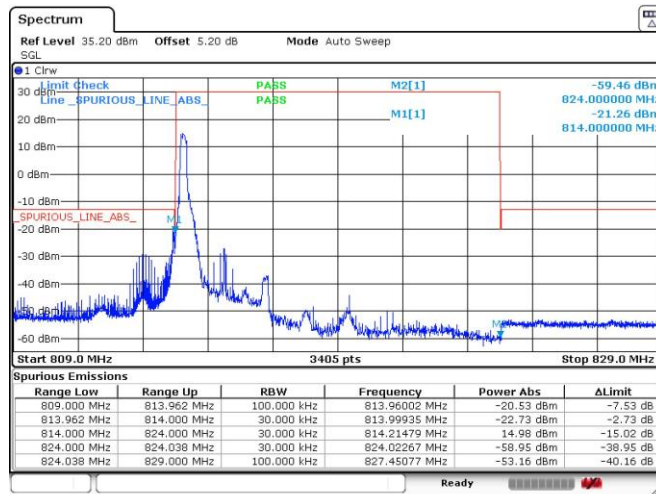


Date: 19.OCT.2019 03:19:06

**Band 26\_3MHz\_16QAM\_26705\_1RB#0**

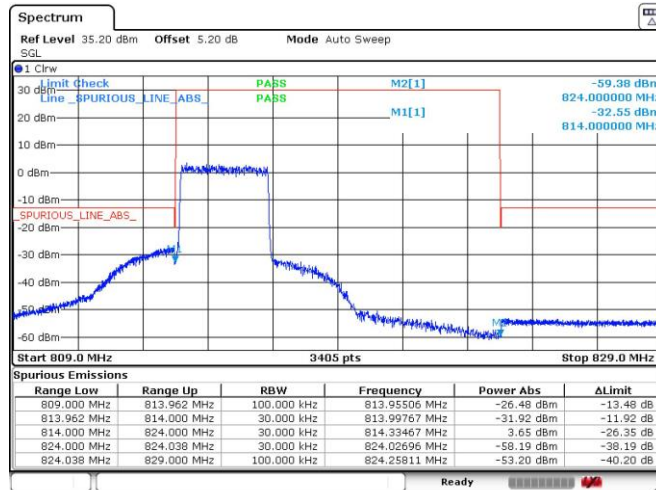


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Date: 19.OCT.2019 03:17:32

**Band 26\_3MHz\_16QAM\_26705\_15RB#0**



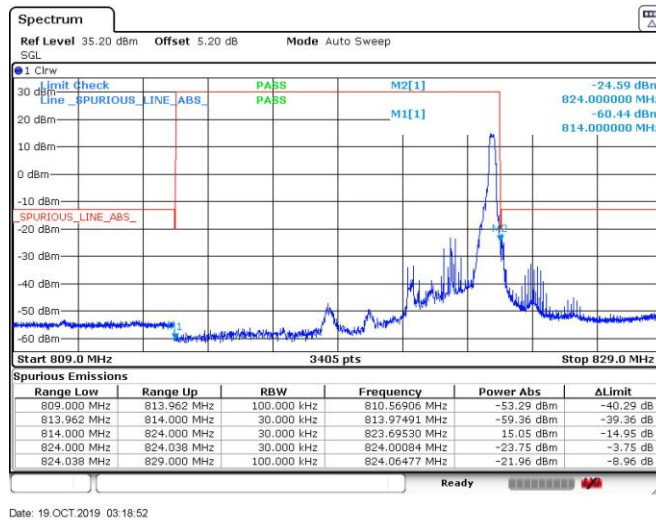
Date: 19.OCT.2019 03:18:12

**Band 26\_3MHz\_16QAM\_26775\_1RB#14**



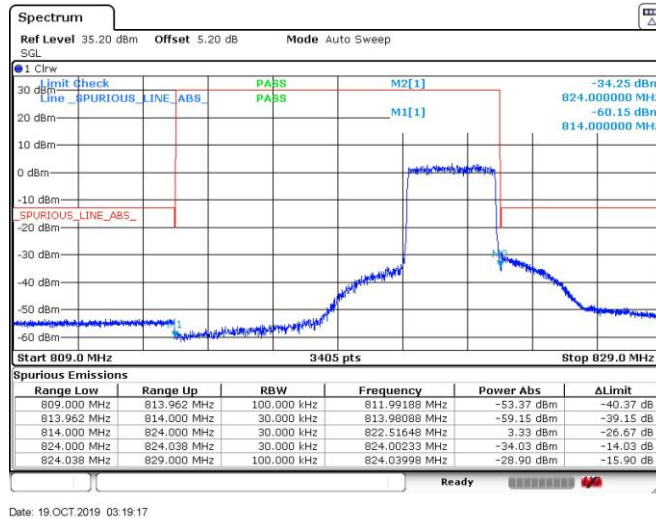
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Date: 19.OCT.2019 03:18:52

**Band 26\_3MHz\_16QAM\_26775\_15RB#0**



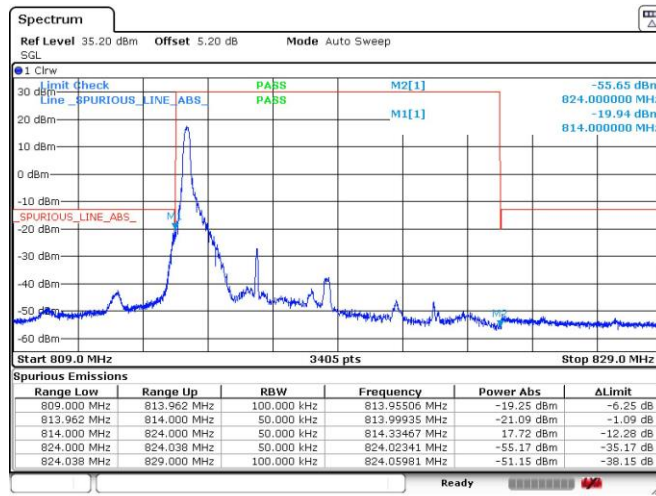
Date: 19.OCT.2019 03:19:17

**Band 26\_5MHz\_QPSK\_26715\_1RB#0**



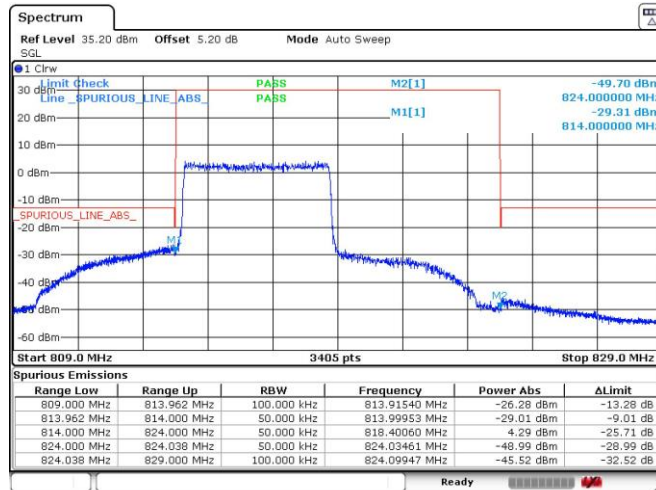
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Date: 19.OCT.2019 03:23:23

**Band 26\_5MHz\_QPSK\_26715\_25RB#0**

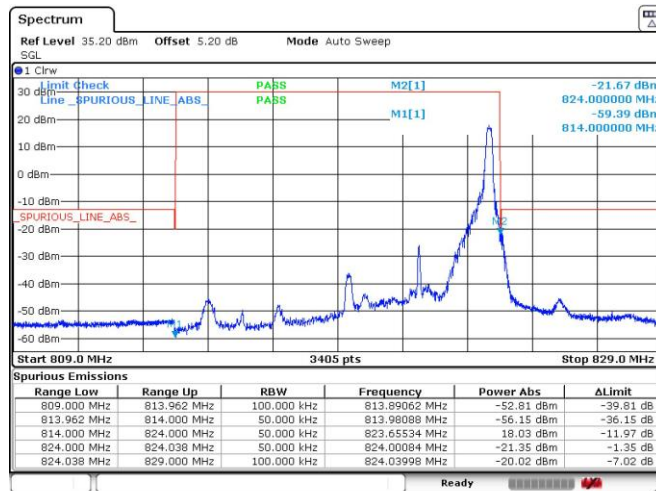


Date: 19.OCT.2019 03:23:57

**Band 26\_5MHz\_QPSK\_26765\_1RB#24**

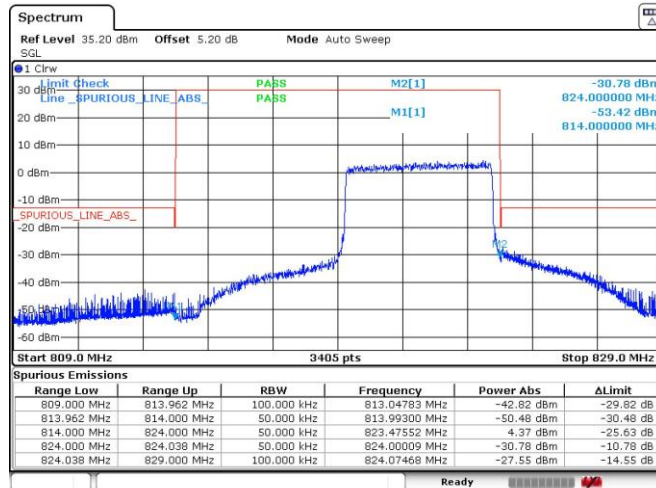


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Date: 19.OCT.2019 03:24:57

**Band 26\_5MHz\_QPSK\_26765\_25RB#0**

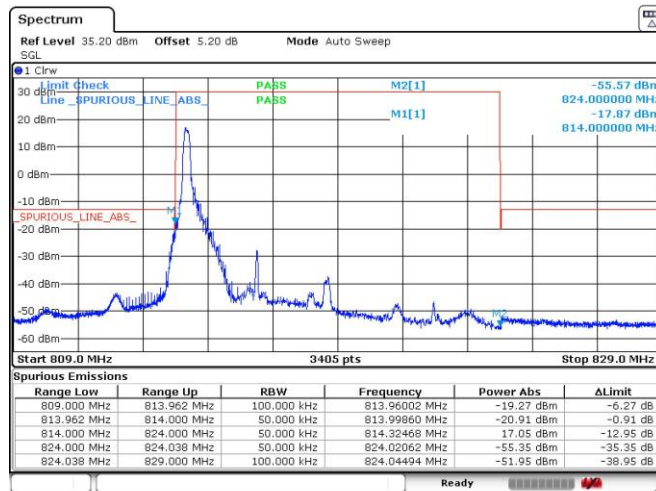


Date: 19.OCT.2019 03:25:33

**Band 26\_5MHz\_16QAM\_26715\_1RB#0**

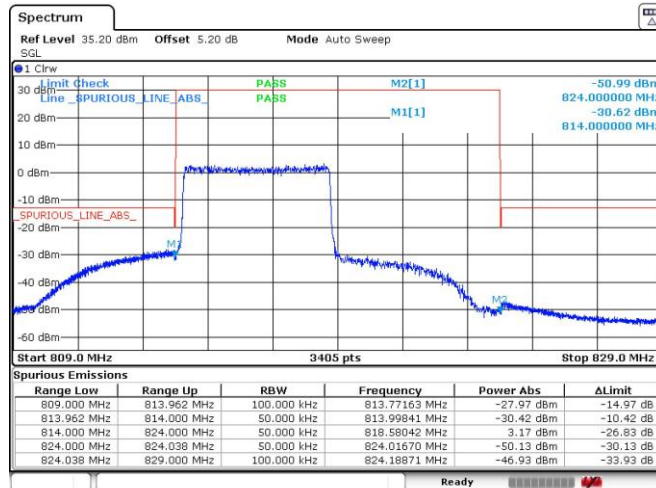


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Date: 19.OCT.2019 03:23:38

**Band 26\_5MHz\_16QAM\_26715\_25RB#0**



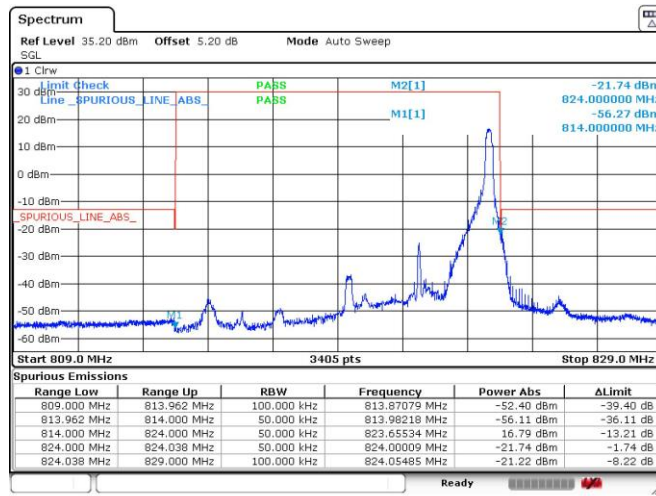
Date: 19.OCT.2019 03:24:08

**Band 26\_5MHz\_16QAM\_26765\_1RB#24**



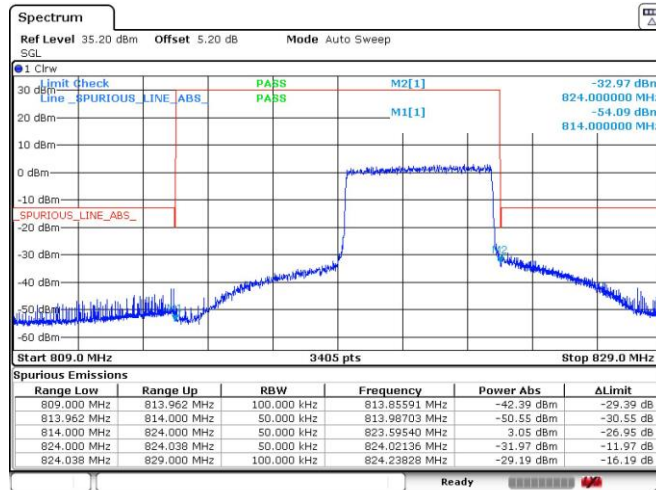
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Date: 19.OCT.2019 03:25:12

**Band 26\_5MHz\_16QAM\_26765\_25RB#0**



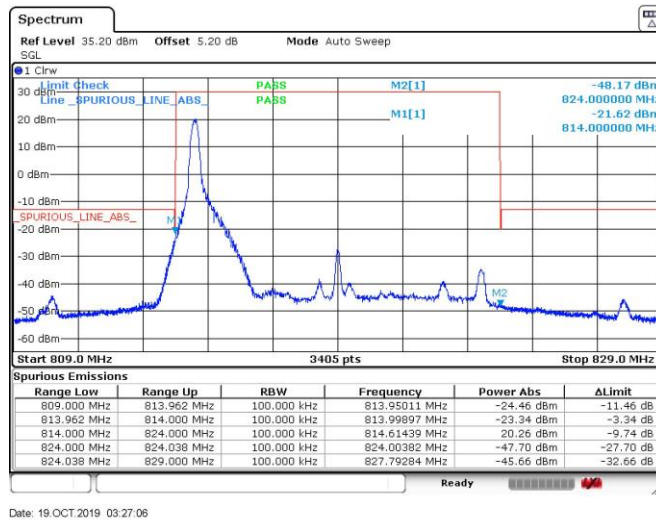
Date: 19.OCT.2019 03:25:49

**Band 26\_10MHz\_QPSK\_26740\_1RB#0**



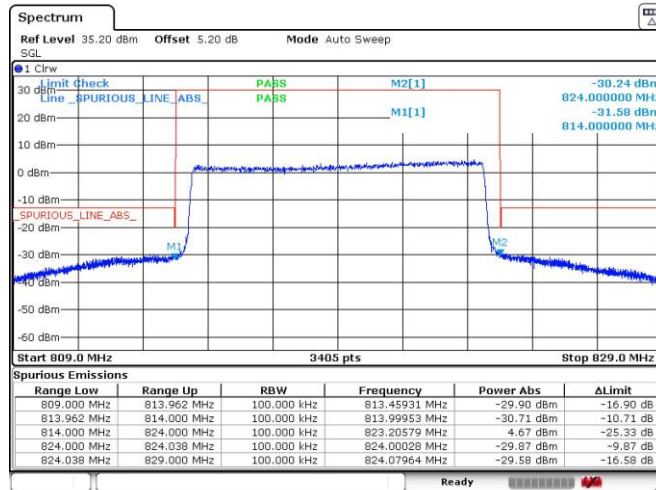
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Date: 19.OCT.2019 03:27:06

Band 26\_10MHz\_QPSK\_26740\_50RB#0

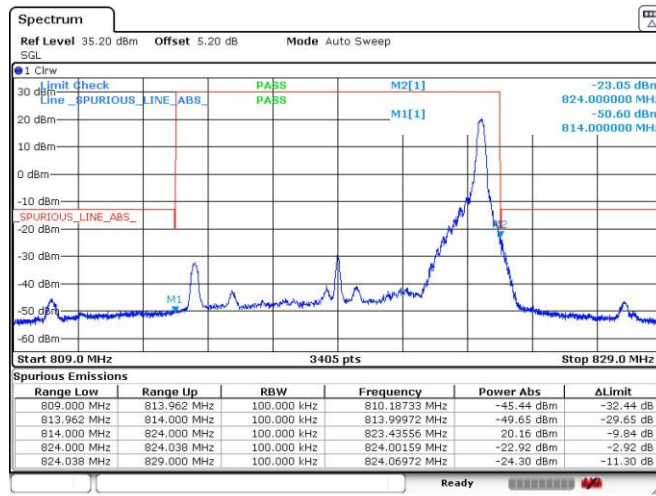


Date: 19.OCT.2019 03:28:14

Band 26\_10MHz\_QPSK\_26740\_1RB#49

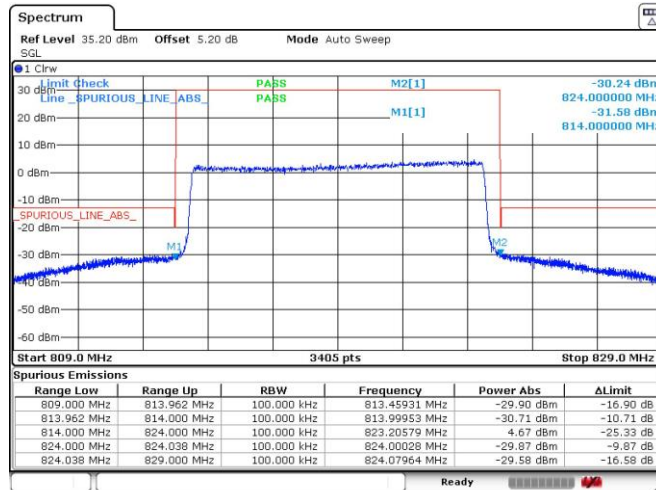


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Date: 19.OCT.2019 03:27:43

**Band 26\_10MHz\_QPSK\_26740\_50RB#0**

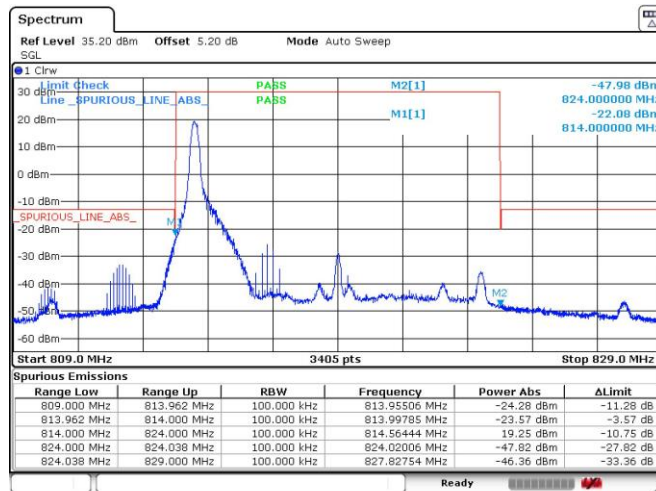


Date: 19.OCT.2019 03:28:14

**Band 26\_10MHz\_16QAM\_26740\_1RB#0**

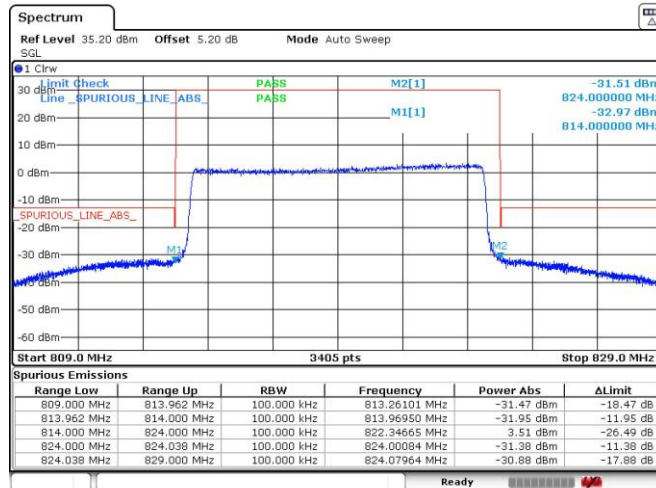


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Date: 19.OCT.2019 03:27:20

**Band 26\_10MHz\_16QAM\_26740\_50RB#0**



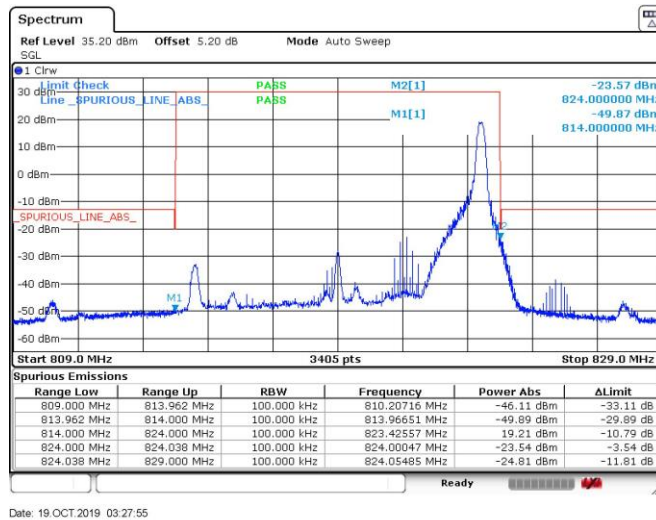
Date: 19.OCT.2019 03:28:32

**Band 26\_10MHz\_16QAM\_26740\_1RB#49**



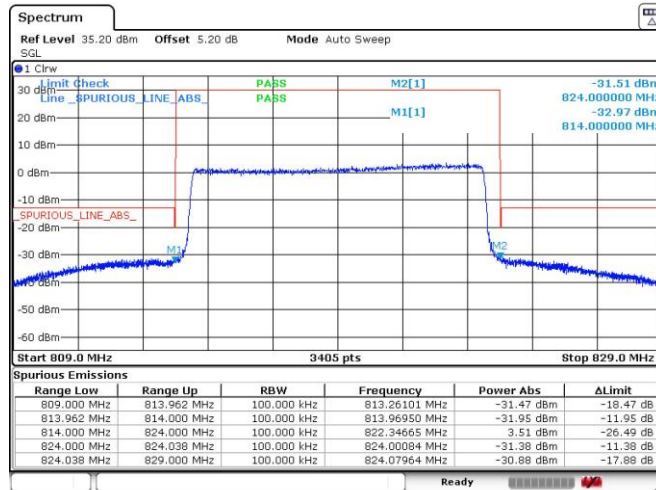
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Date: 19.OCT.2019 03:27:55

**Band 26\_10MHz\_16QAM\_26740\_50RB#0**



Date: 19.OCT.2019 03:28:32



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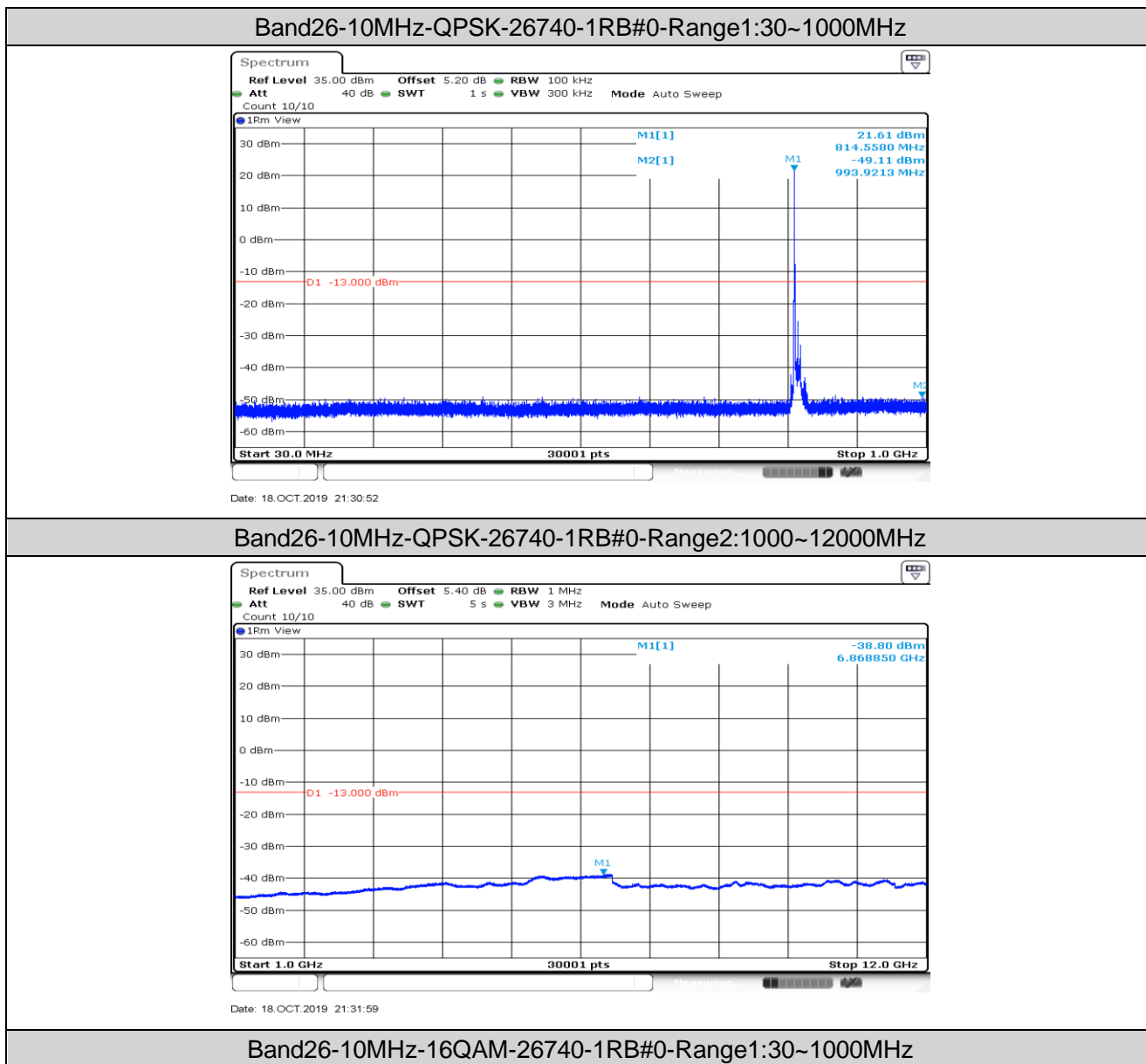


## 6. Spurious Emission at Antenna Terminal

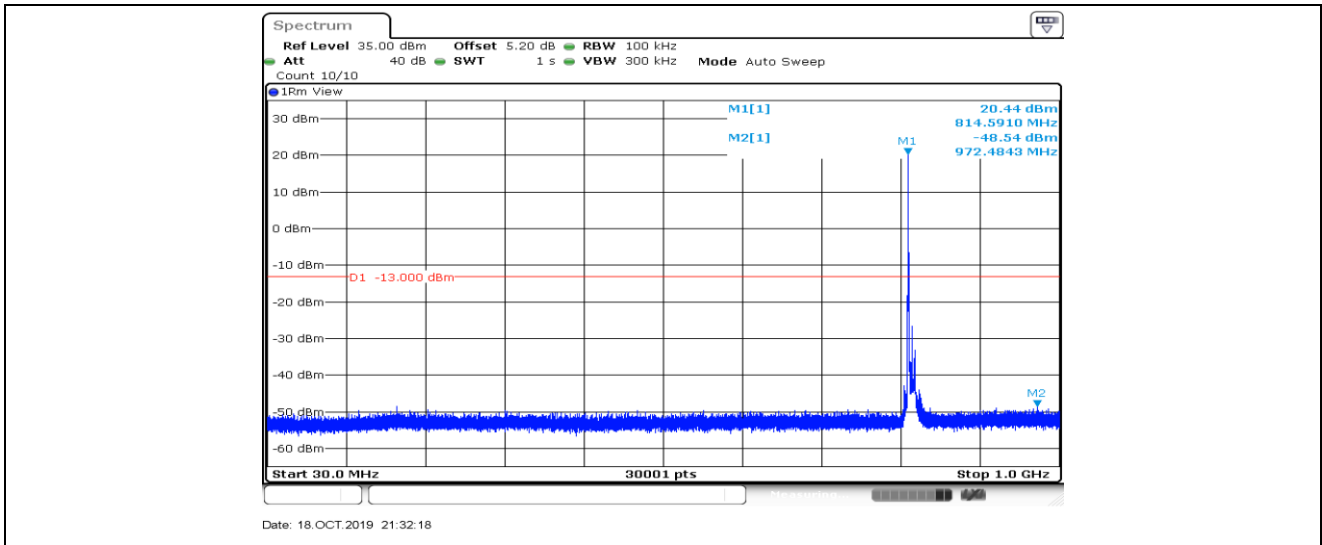
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points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

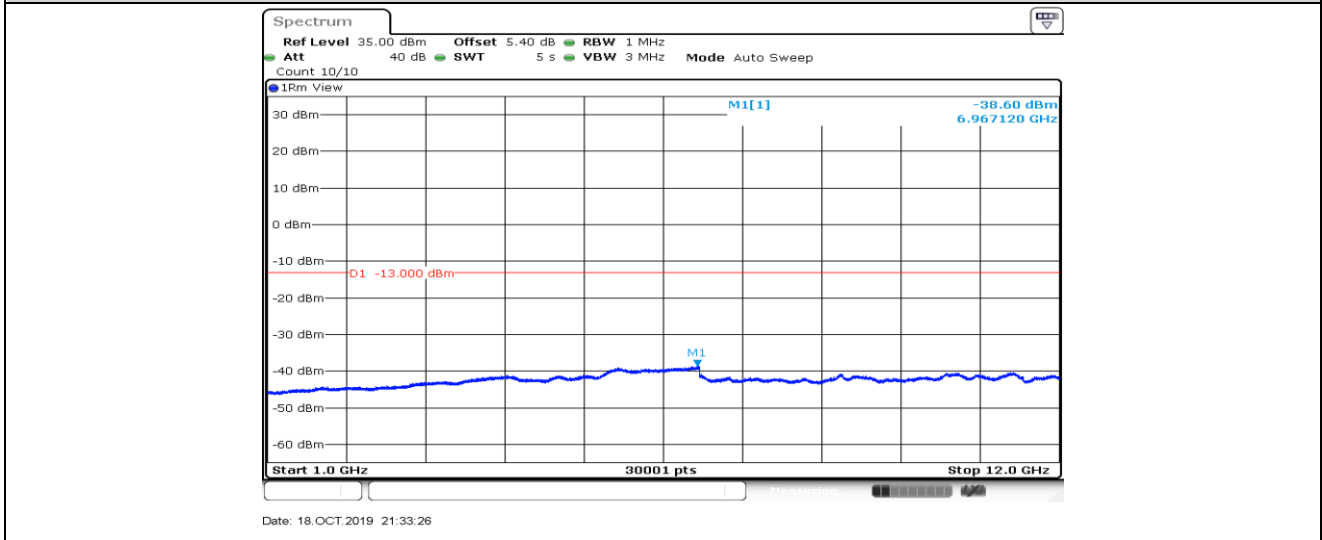
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**Band26-10MHz-16QAM-26740-1RB#0-Range2:1000~12000MHz**



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 10MHz

#### 7.1.1. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.108362	-67.61	-13.00	54.61	Vertical
113.87713	-65.35	-13.00	52.35	Vertical
994.00153	-55.40	-13.00	42.40	Vertical
2580.7933	-52.29	-13.00	39.29	Vertical
5123.688	-56.20	-13.00	43.20	Vertical
8038.3559	-53.11	-13.00	40.11	Vertical
47.134235	-63.25	-13.00	50.25	Horizontal
238.88887	-68.53	-13.00	55.53	Horizontal
999.95617	-53.76	-13.00	40.76	Horizontal
1938.9554	-53.24	-13.00	40.24	Horizontal
2697.523	-55.58	-13.00	42.58	Horizontal
8484.4347	-53.29	-13.00	40.29	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	10MHz	QPSK	26740	50RB#0	VL	NT	-6.50	-0.007937	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	-7.70	-0.009402	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	-9.40	-0.011477	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VL	NT	-8.80	-0.010745	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VN	NT	-3.90	-0.004762	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VH	NT	-9.80	-0.011966	±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	10MHz	QPSK	26740	50RB#0	NV	-30	-12.10	-0.014774	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	-8.90	-0.010867	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-7.50	-0.009158	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-7.30	-0.008913	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-7.10	-0.008669	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	0.40	0.000488	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-3.70	-0.004518	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-6.60	-0.008059	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-30	-5.40	-0.006593	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-20	-6.60	-0.008059	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	0	-6.90	-0.008425	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	10	-6.30	-0.007692	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	20	-9.60	-0.011722	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	30	-7.20	-0.008791	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	40	-4.00	-0.004884	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	50	-7.40	-0.009035	±2.5	PASS



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