



# Appendix B

## WCDMA Band II & V



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## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

Band	Modulation	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	QPSK	9262	23.02	22.04	33.00	PASS
Band II	QPSK	9400	23.22	22.24	33.00	PASS
Band II	QPSK	9538	23.19	22.21	33.00	PASS
Band II	16QAM	9262	20.88	19.9	33.00	PASS
Band II	16QAM	9400	20.96	19.98	33.00	PASS
Band II	16QAM	9538	20.87	19.89	33.00	PASS

Band	Modulation	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	QPSK	4132	22.80	17.45	38.45	PASS
Band V	QPSK	4182	22.83	17.48	38.45	PASS
Band V	QPSK	4233	23.01	17.66	38.45	PASS
Band V	16QAM	4132	20.99	15.64	38.45	PASS
Band V	16QAM	4182	20.86	15.51	38.45	PASS
Band V	16QAM	4233	20.89	15.54	38.45	PASS

Remark:

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

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

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



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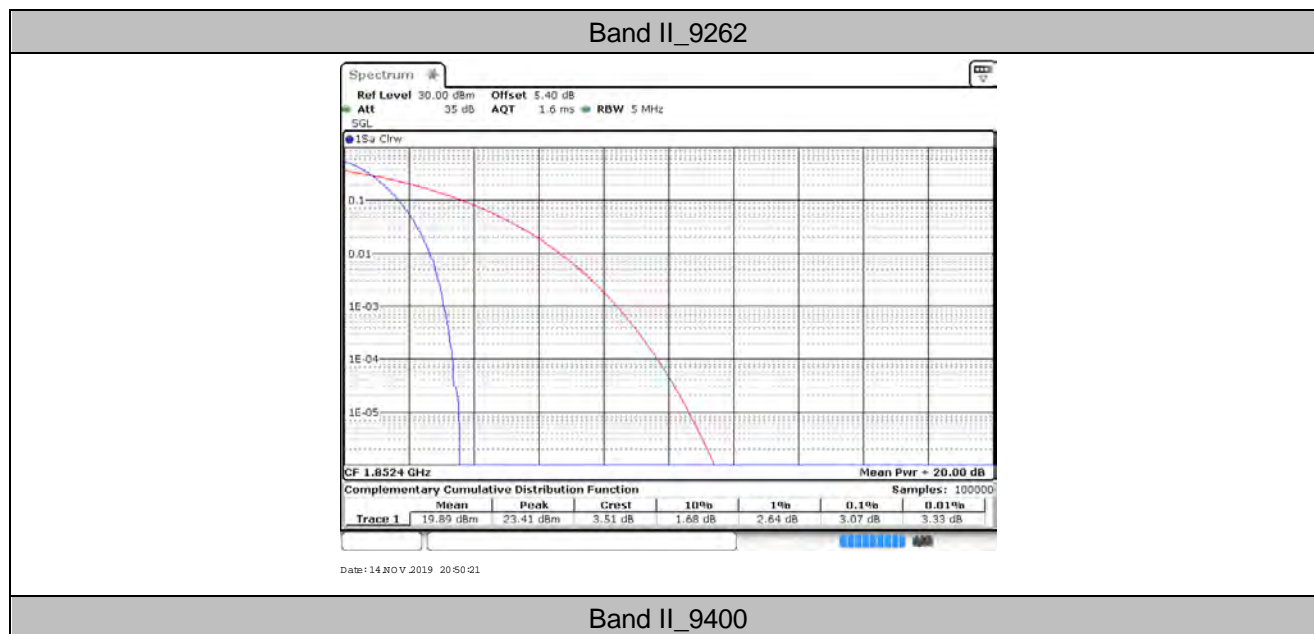


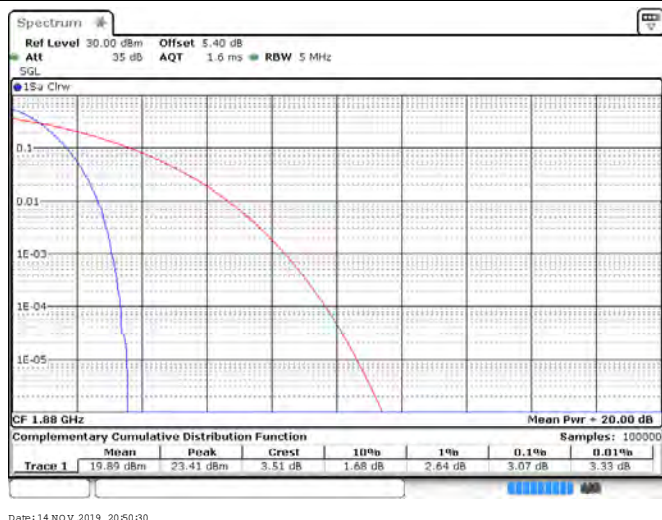
## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

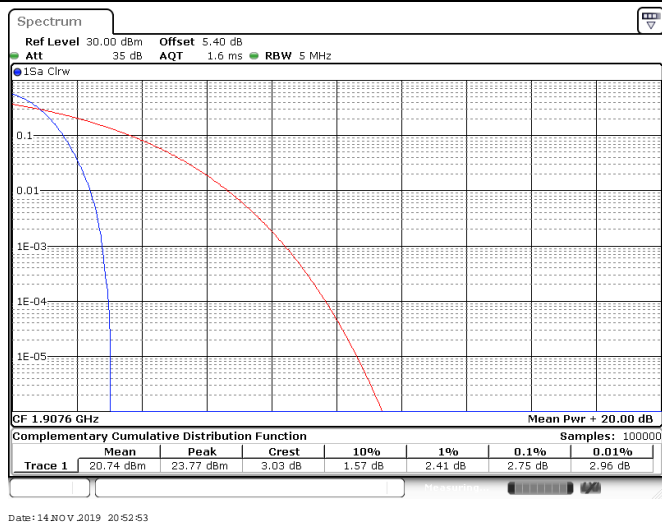
Band	Modulation	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	QPSK	9262	3.07	13	PASS
Band II	QPSK	9400	3.07	13	PASS
Band II	QPSK	9538	2.75	13	PASS
Band II	16QAM	9262	3.19	13	PASS
Band II	16QAM	9400	3.33	13	PASS
Band II	16QAM	9538	3.07	13	PASS
Band V	QPSK	4132	3.04	13	PASS
Band V	QPSK	4182	3.07	13	PASS
Band V	QPSK	4233	2.90	13	PASS
Band V	16QAM	4132	2.72	13	PASS
Band V	16QAM	4182	2.72	13	PASS
Band V	16QAM	4233	2.72	13	PASS

### 2.2. Test Plots for QPSK



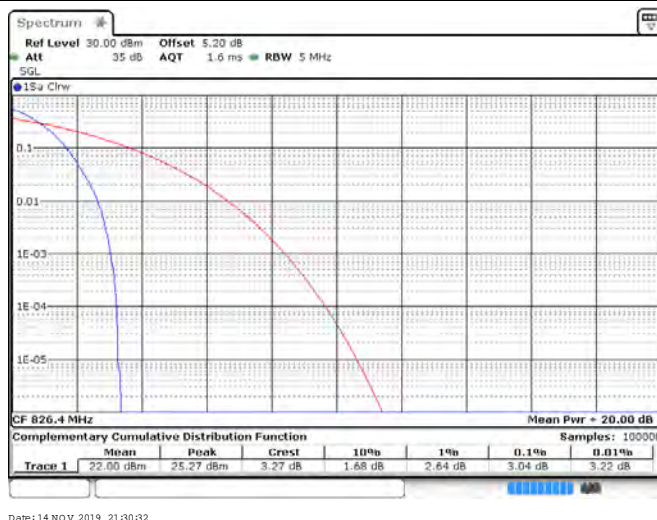


Band II\_9538

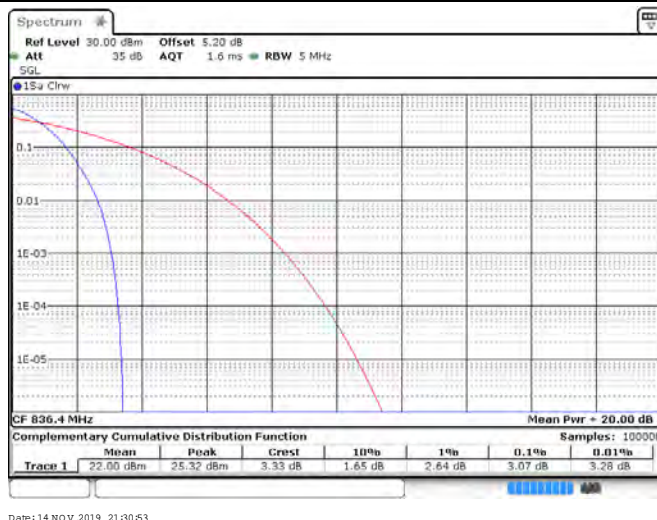


Band V\_4132





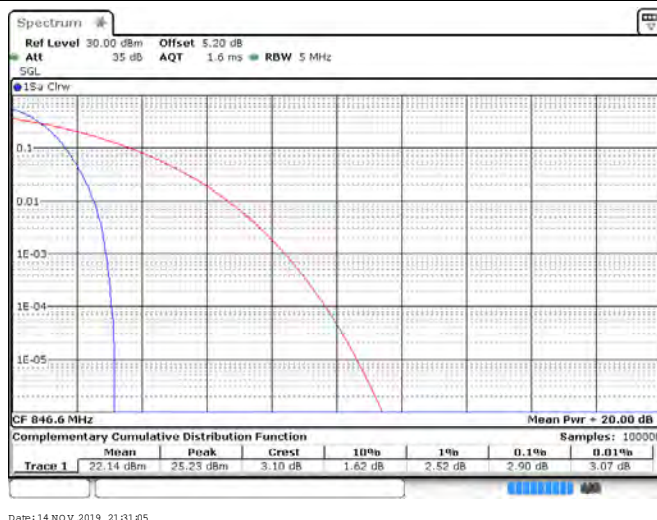
Band V\_4182



Band V\_4233



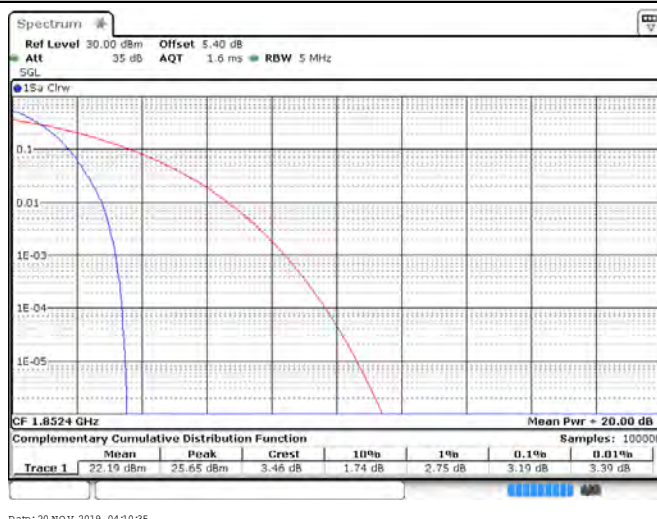




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## 2.3. Test Plots for 16QAM

### Band II\_9262



Date: 20 NOV 2019 04:10:35

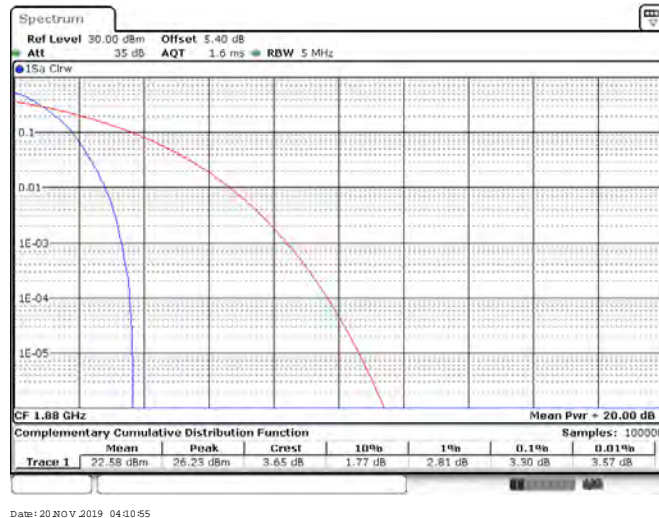
### Band II\_9400



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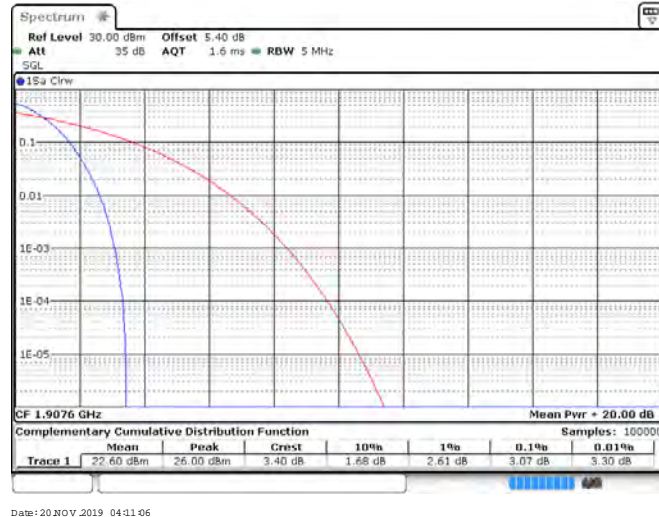
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**Band II\_9538**



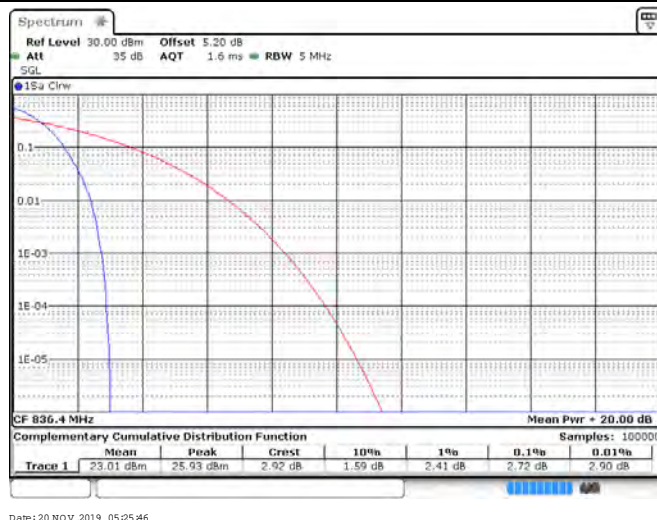
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**Band V\_4132**



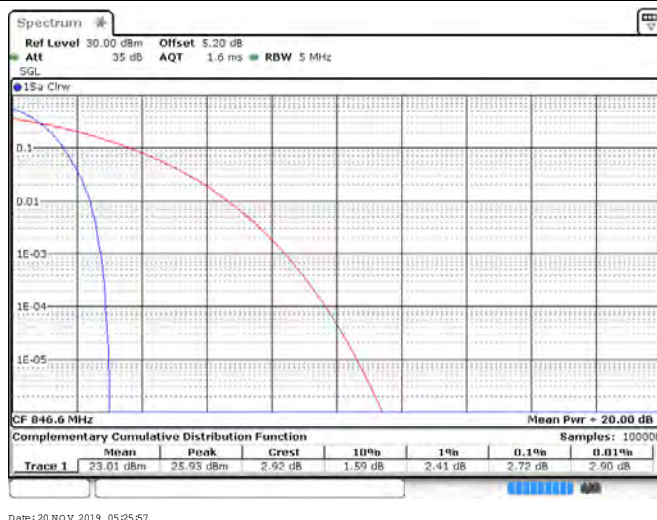


Band V\_4182



Band V\_4233





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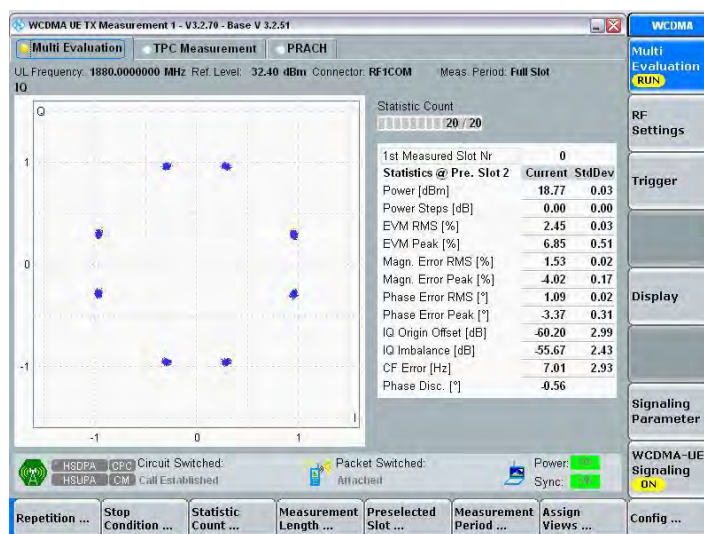


### 3. Modulation Characteristics

#### 3.1. Test Band = WCDMA Band II

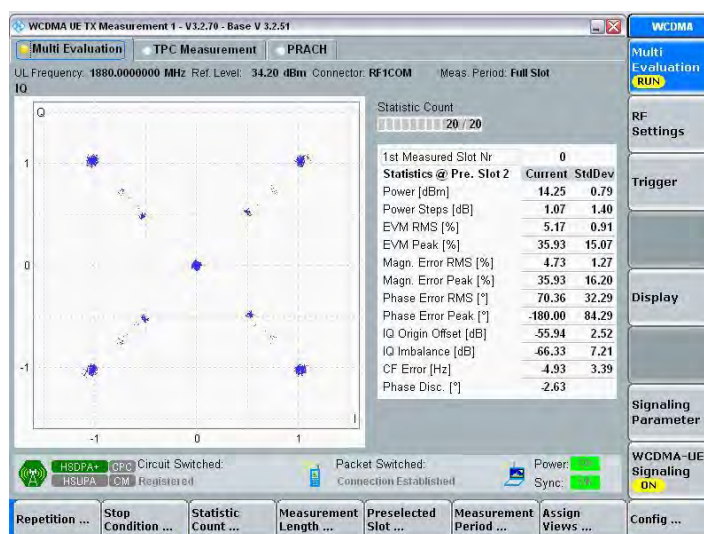
##### 3.1.1. Test Mode = UMTS/TM1

##### 3.1.1.1. Test Channel = MCH



##### 3.1.2. Test Mode = UMTS/TM2

##### 3.1.2.1. Test Channel = MCH



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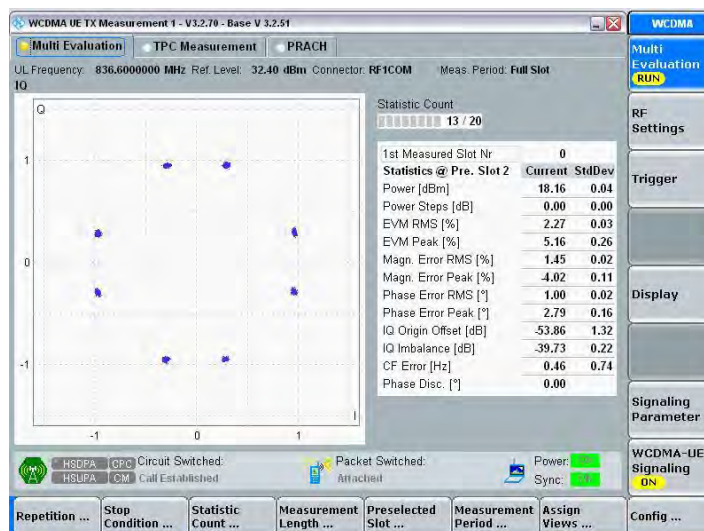
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## 3.2. Test Band = WCDMA Band V

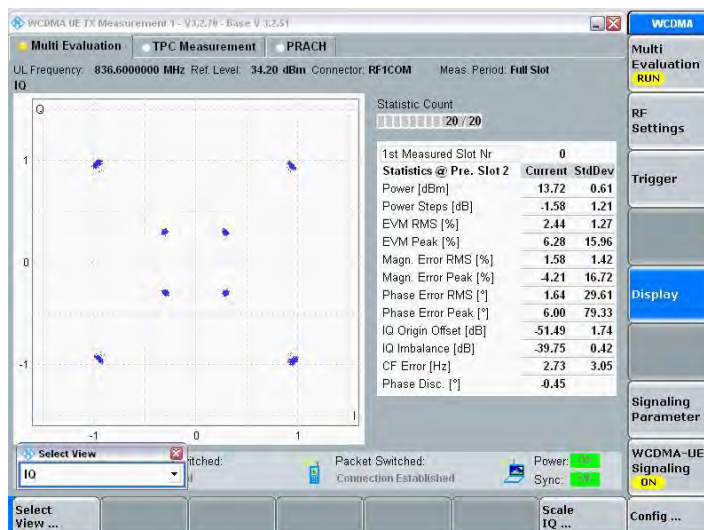
### 3.2.1. Test Mode = UMTS/TM1

#### 3.2.1.1. Test Channel = MCH



### 3.2.2. Test Mode = UMTS/TM2

#### 3.2.2.1. Test Channel = MCH



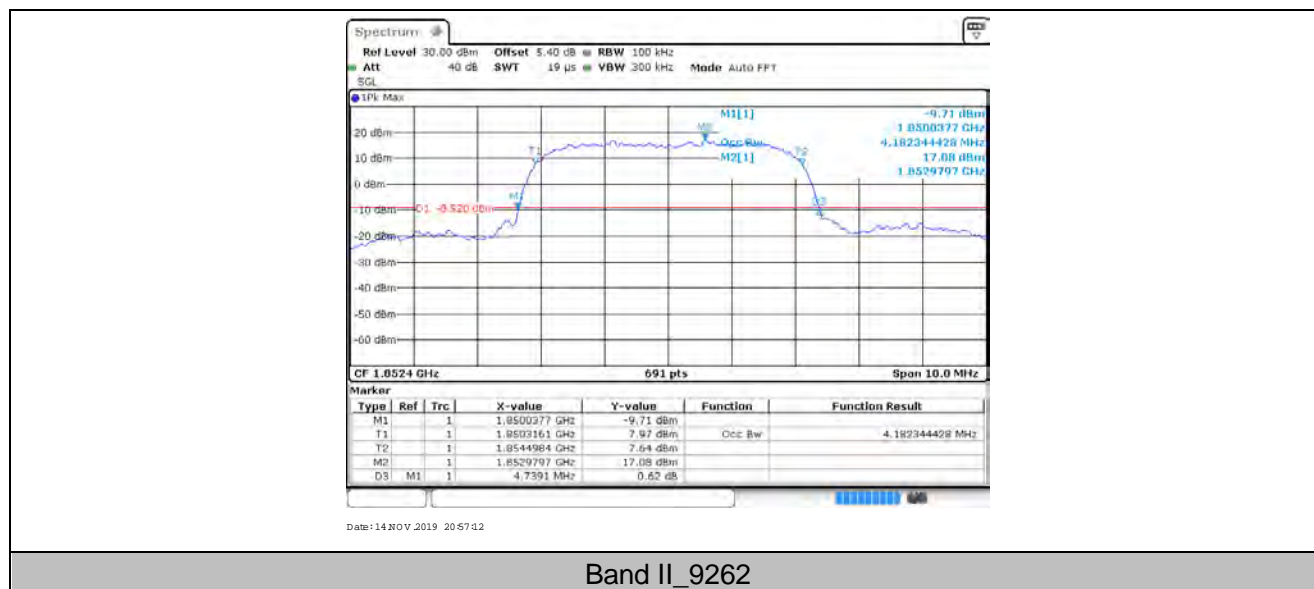


## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

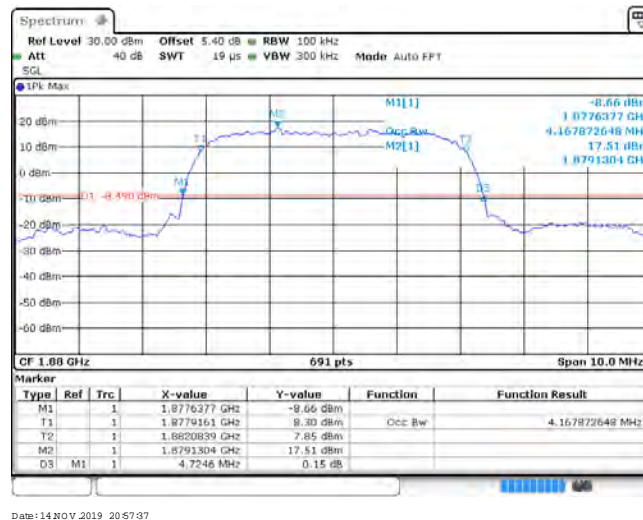
Band	Modulation	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	QPSK	9262	4182.3	4739	---	PASS
Band II	QPSK	9400	4167.9	4725	---	PASS
Band II	QPSK	9538	4167.9	4754	---	PASS
Band II	16QAM	9262	4153.4	4725	---	PASS
Band II	16QAM	9400	4153.4	4725	---	PASS
Band II	16QAM	9538	4153.4	4739	---	PASS
Band V	QPSK	4132	4153.4	4725	---	PASS
Band V	QPSK	4182	4167.9	4725	---	PASS
Band V	QPSK	4233	4153.4	4725	---	PASS
Band V	16QAM	4132	4153.4	4754	---	PASS
Band V	16QAM	4182	4167.9	4768	---	PASS
Band V	16QAM	4233	4167.9	4754	---	PASS

### 4.2. Test Plots for QPSK

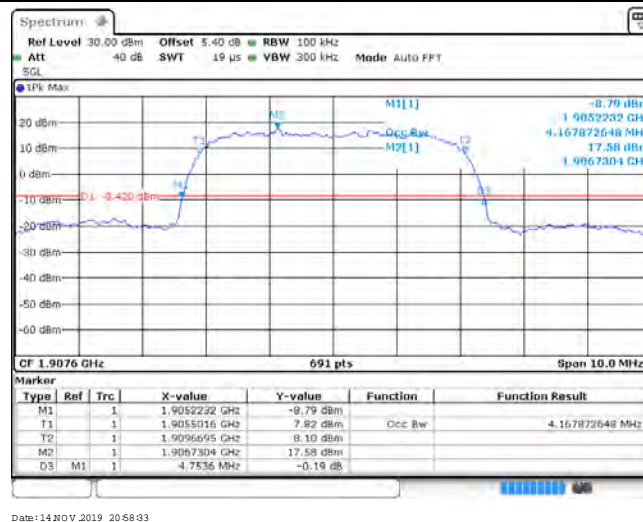


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Band II\_9400



Band II\_9538

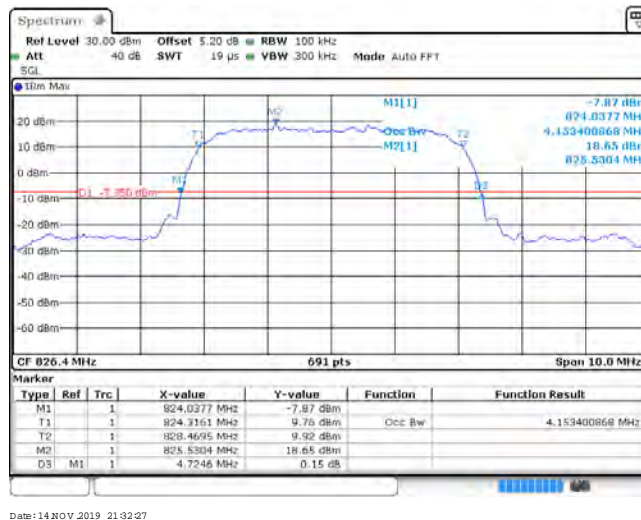


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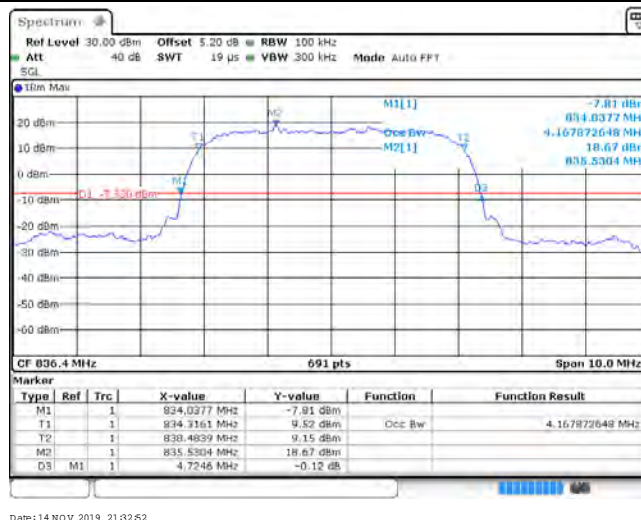
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## Band V\_4132

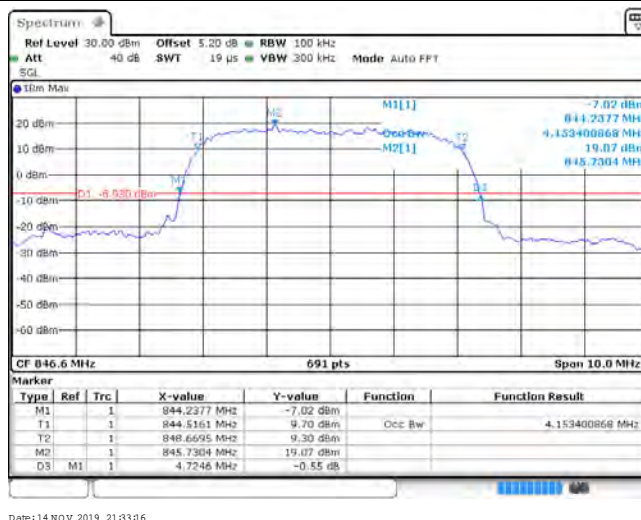


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## Band V\_4182



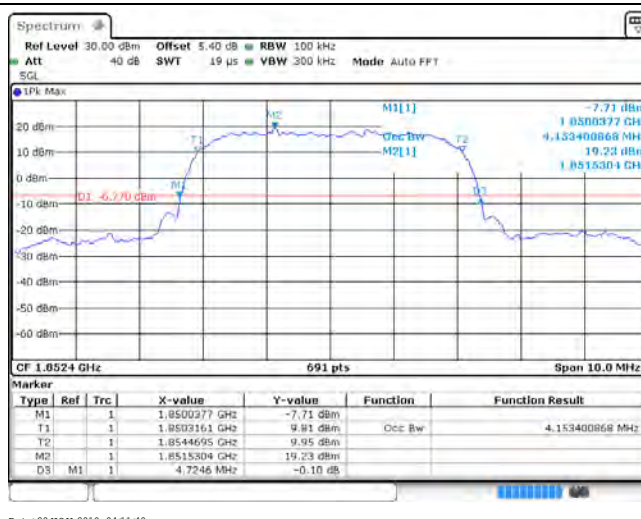




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Band V\_4233

### 4.3. Test Plots for 16QAM



Date: 20 NOV 2019 04:31:40

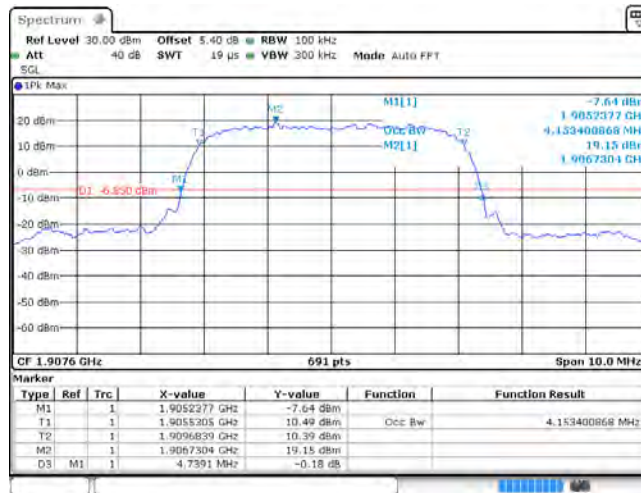
Band II\_9262





Date: 20 NOV 2019 04:32:05

## Band II\_9400



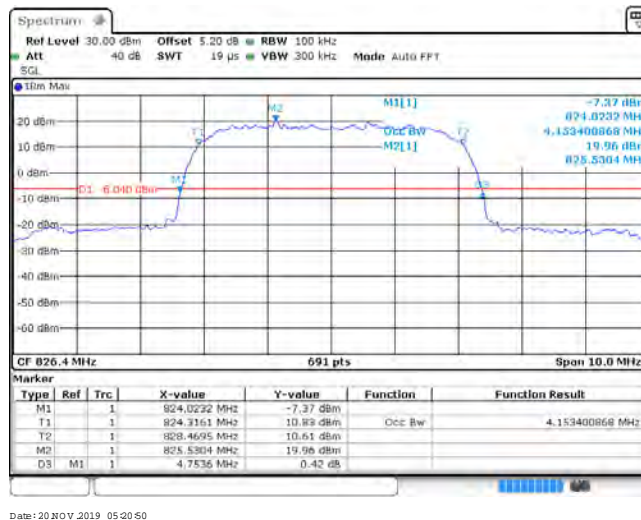
Date: 20 NOV 2019 04:32:29

## Band II\_9538



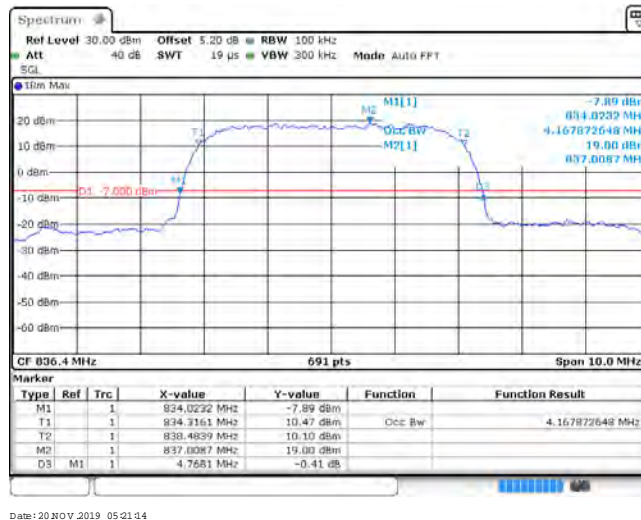
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Date: 20 NOV 2019 05:20:50

## Band V\_4132

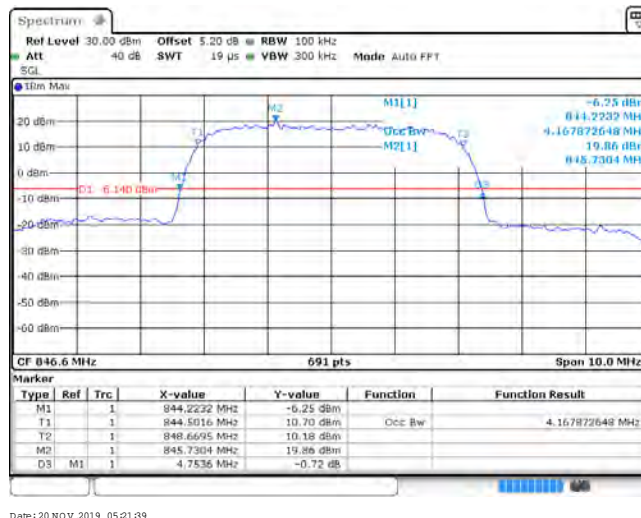


Date: 20 NOV 2019 05:21:14

## Band V\_4182







Band V\_4233

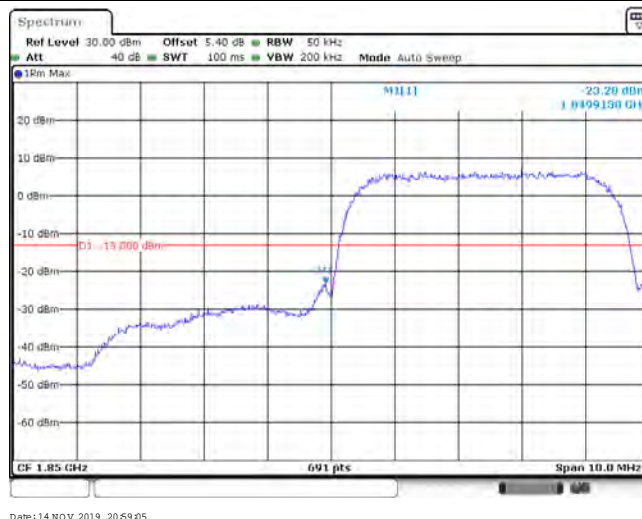




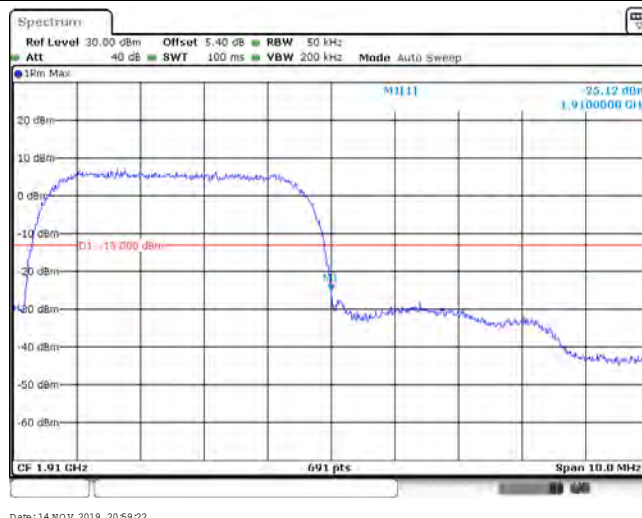


## 5. Band Edge Compliance

### 5.1. Test Plots for QPSK

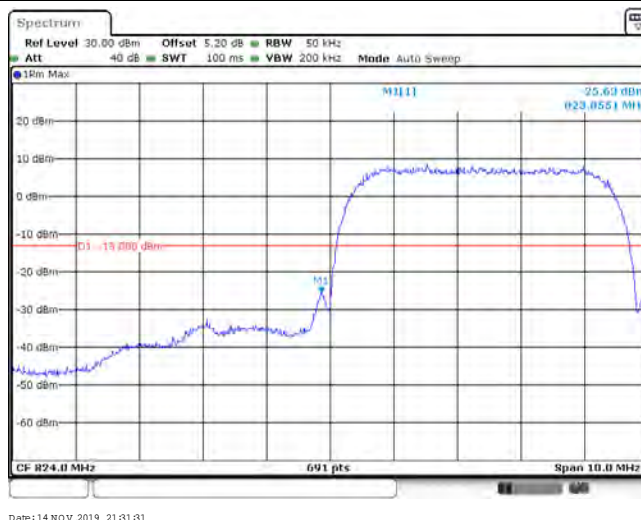


Band II\_9262

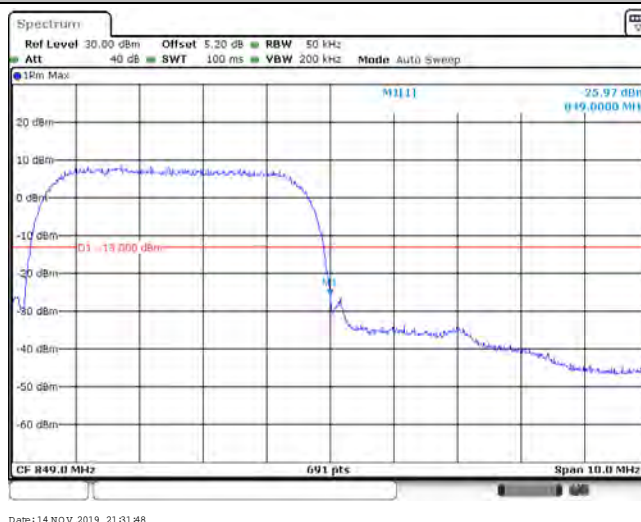


Band II\_9538





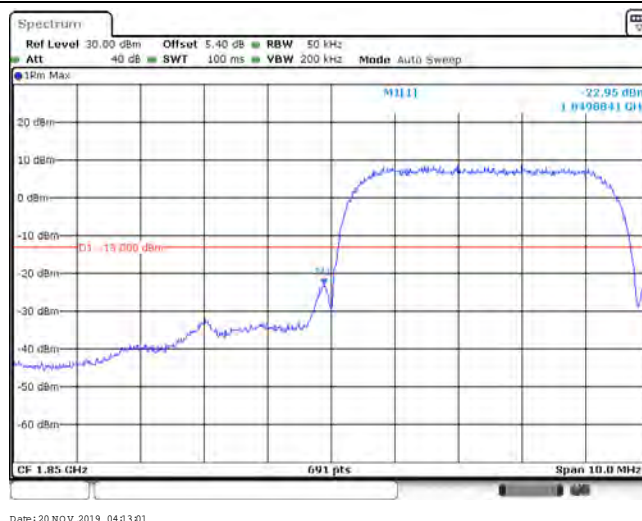
**Band V\_4132**



**Band V\_4233**



## 5.2. Test Plots for 16QAM



Date: 20 NOV 2019 04:33:01

Band II\_9262



Date: 20 NOV 2019 04:33:18

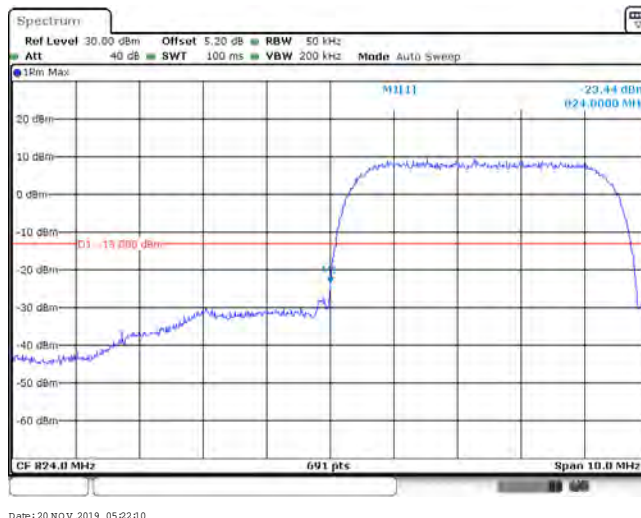
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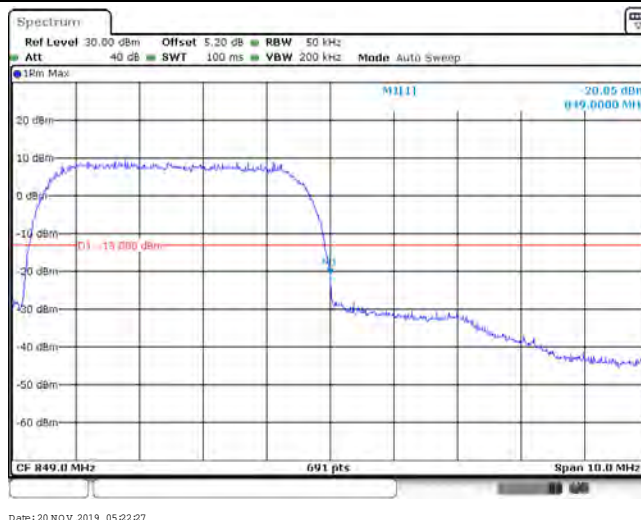
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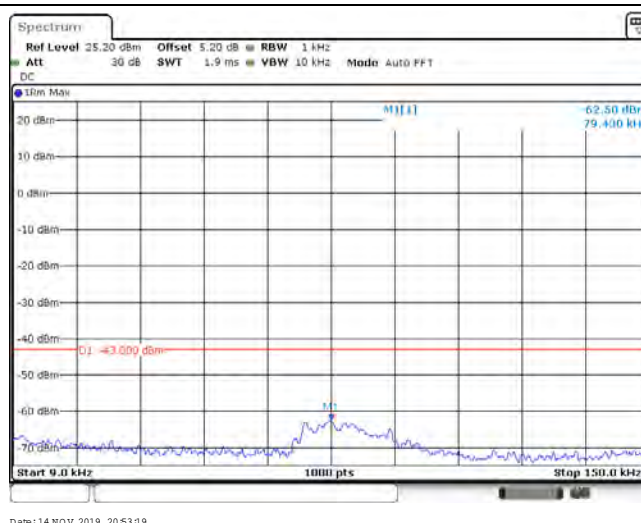


## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

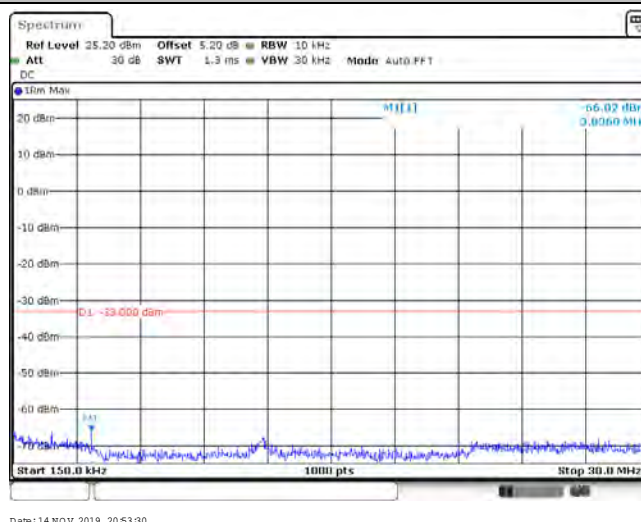
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots for QPSK



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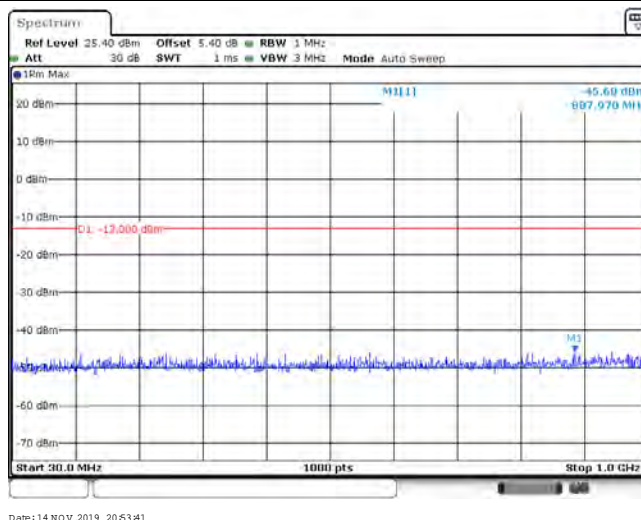
Band II\_9262



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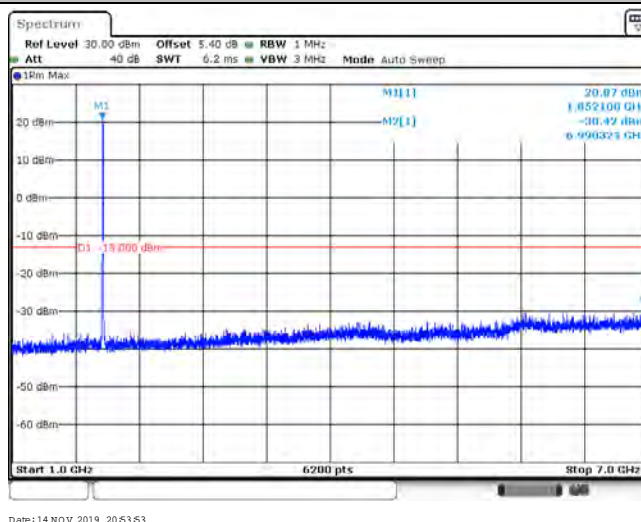
Band II\_9262





Date: 14 NOV 2019 20:53:41

Band II\_9262



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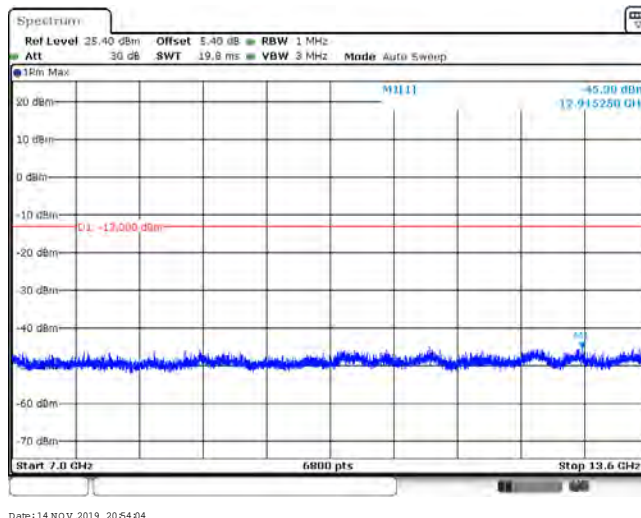
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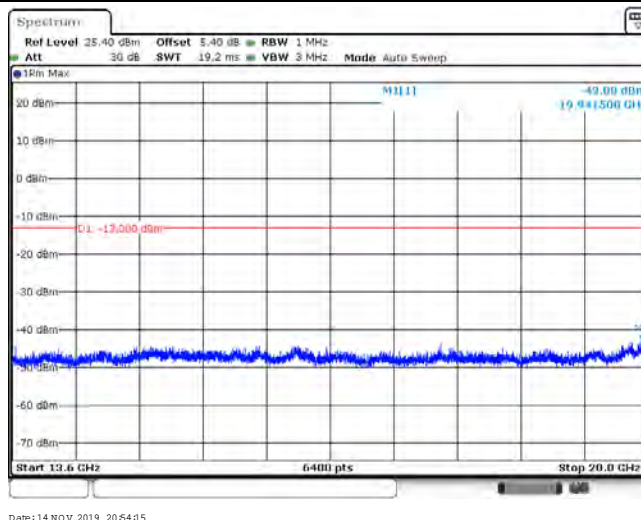
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Band II\_9262



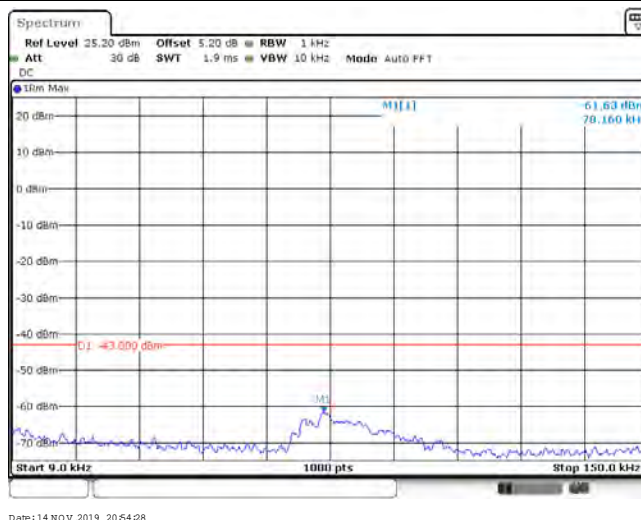
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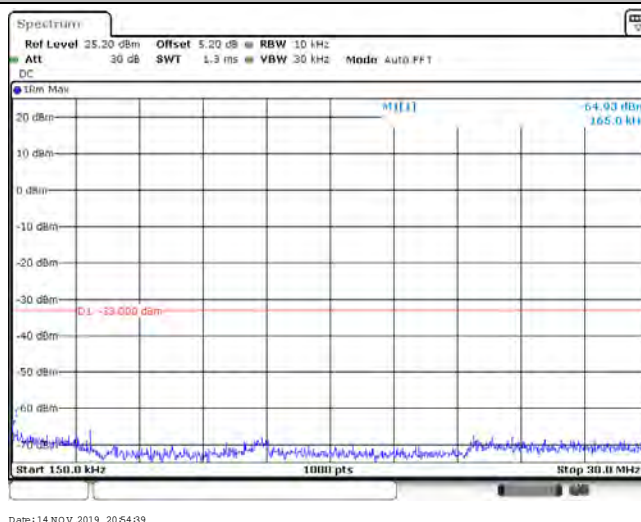
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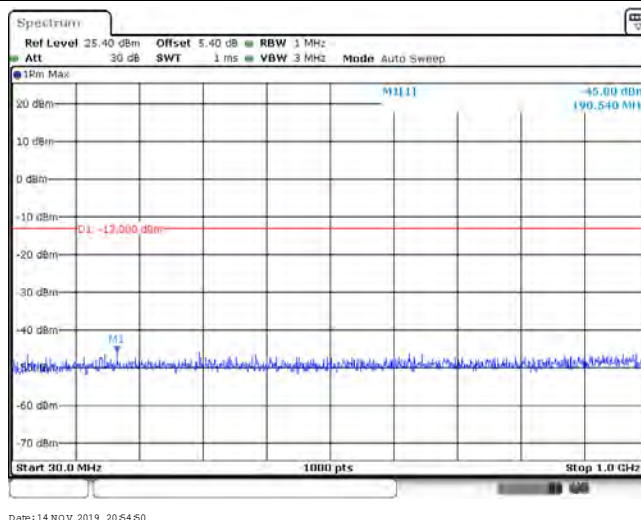


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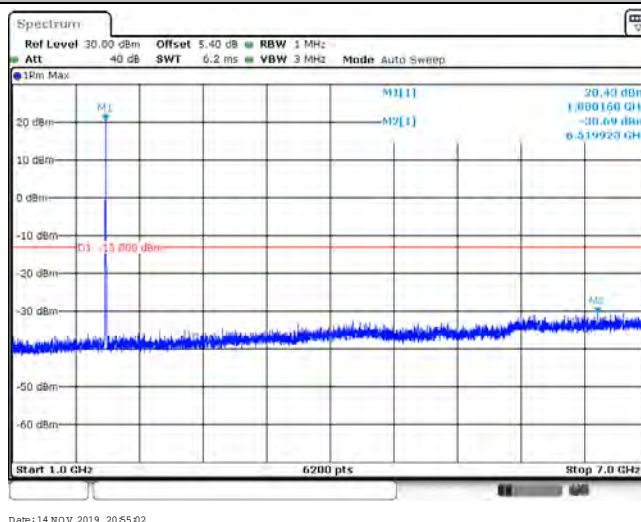
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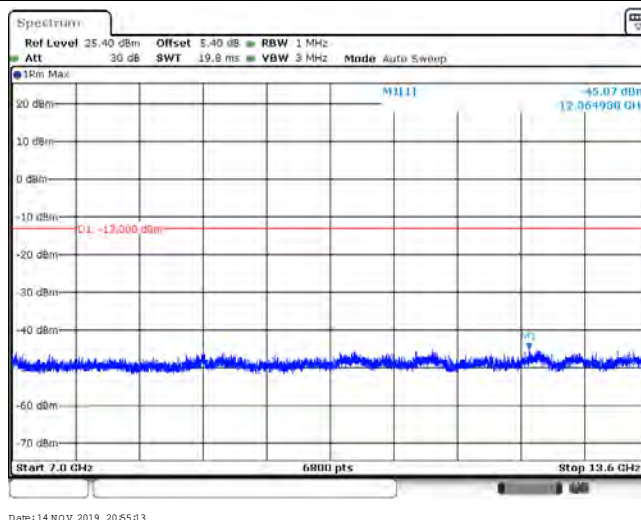
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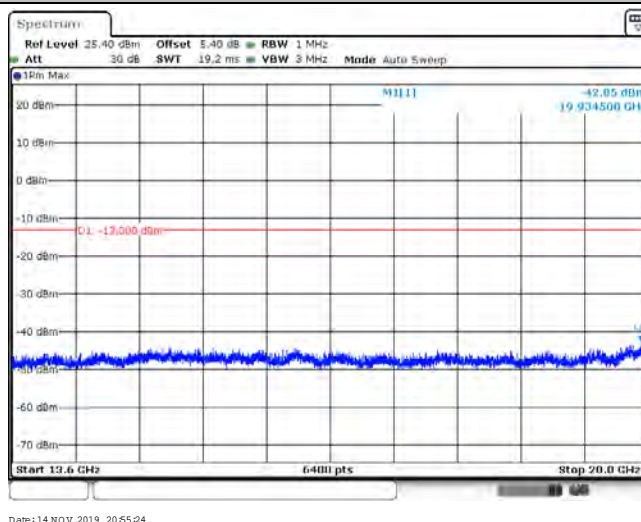
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Band II\_9400





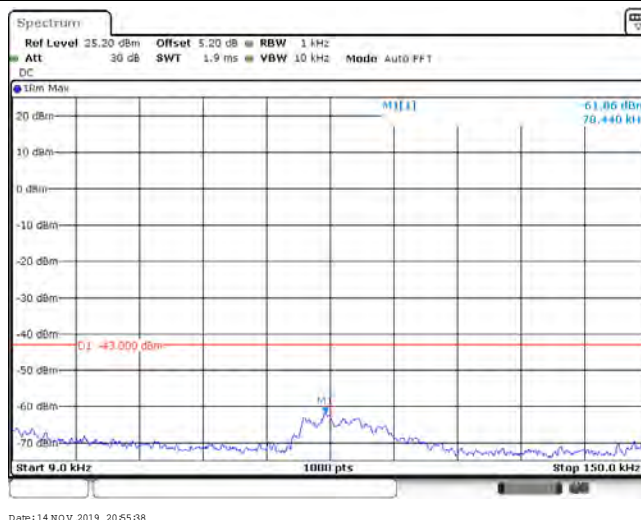
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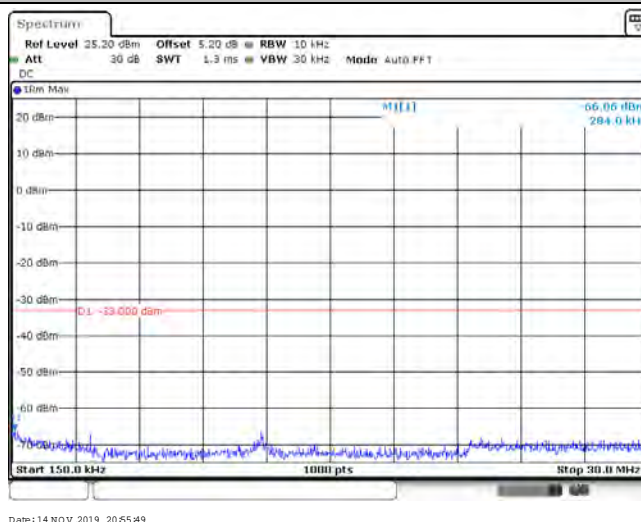
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Band II\_9538



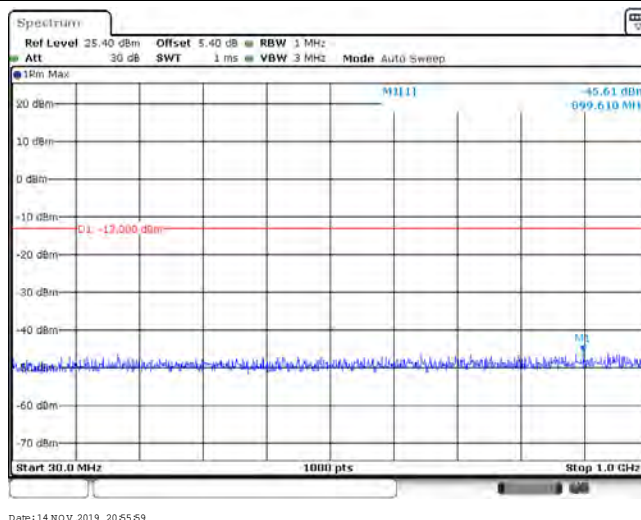
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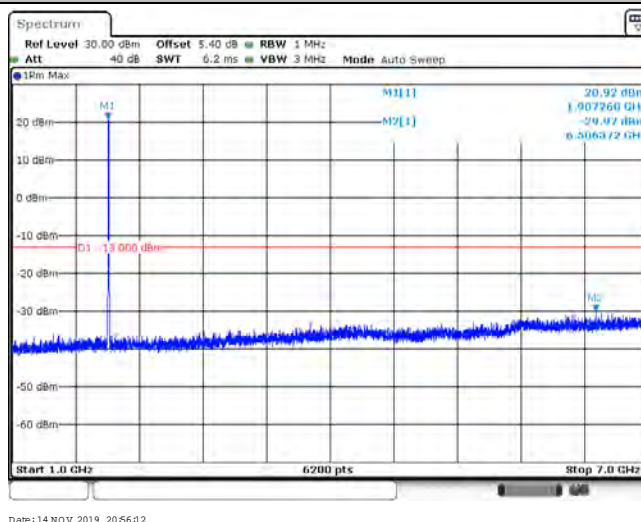
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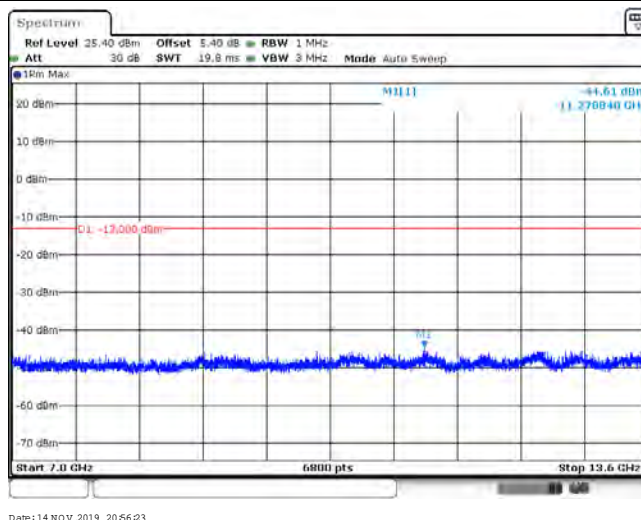
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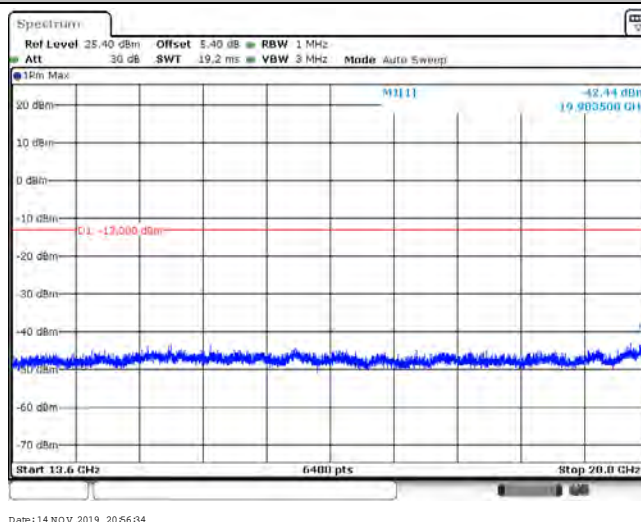
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Band II\_9538





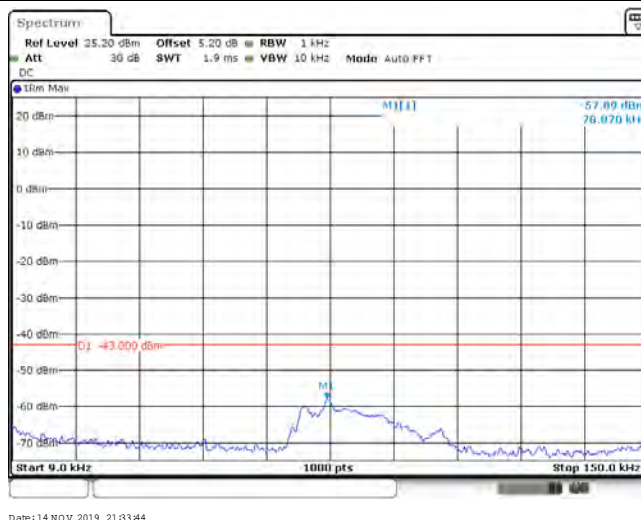
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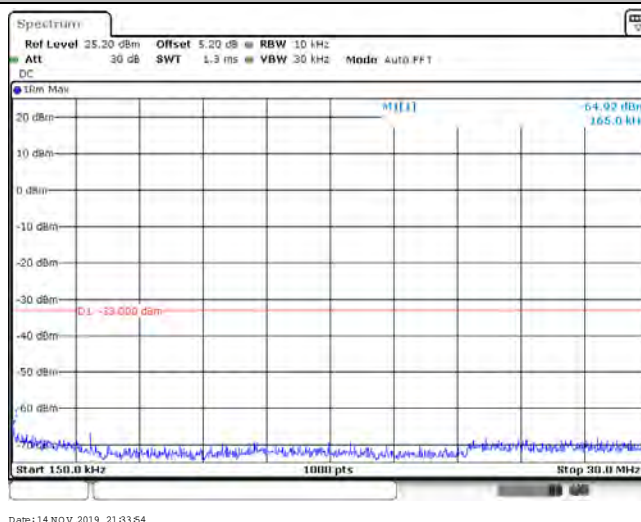
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Band V\_4132

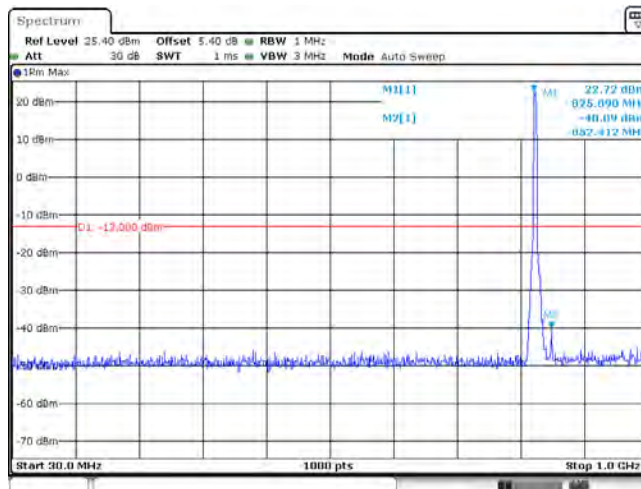


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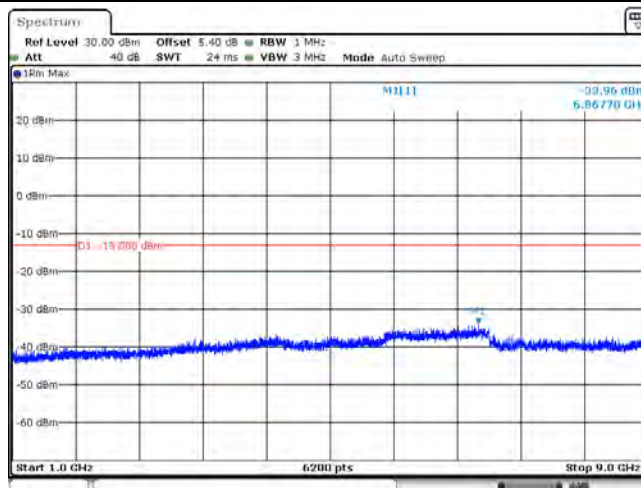
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Band V\_4132



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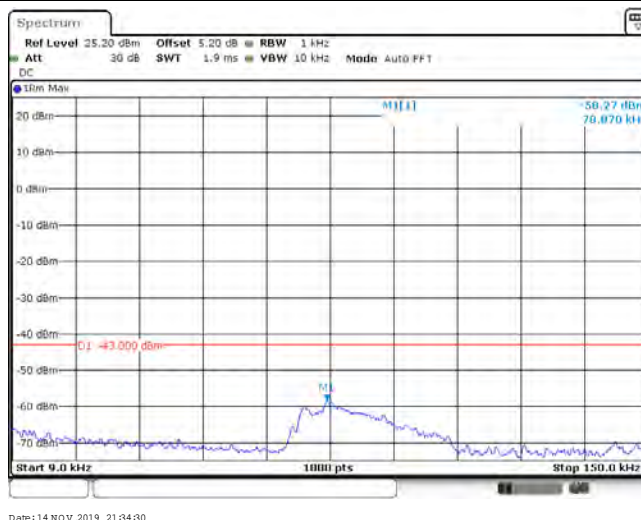
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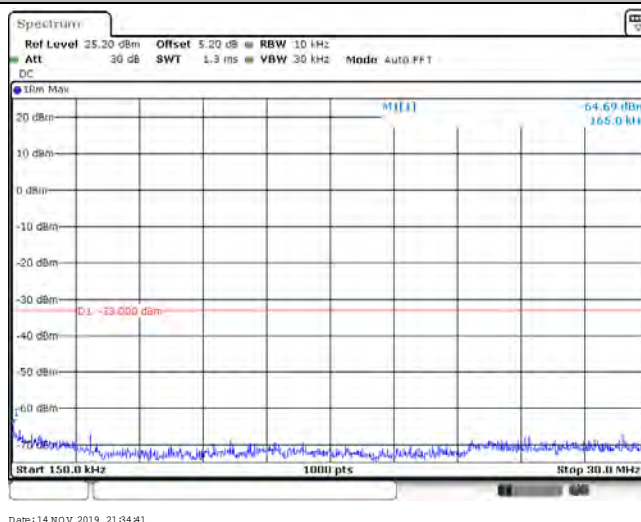
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Band V\_4182



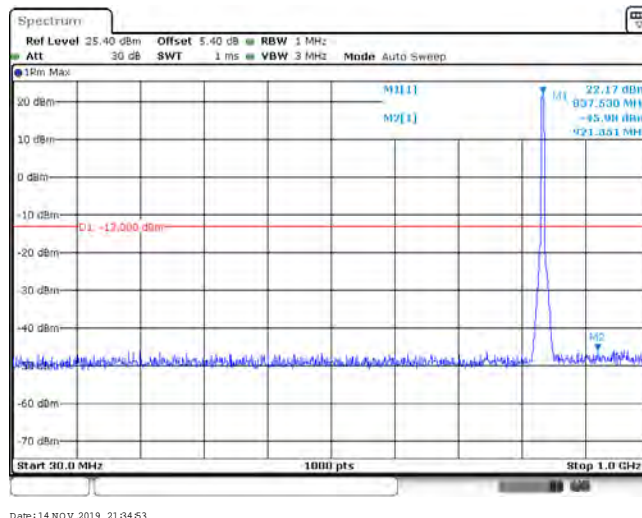
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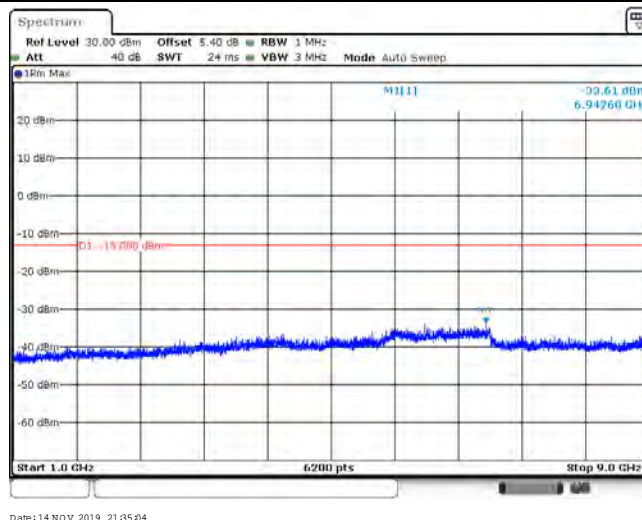
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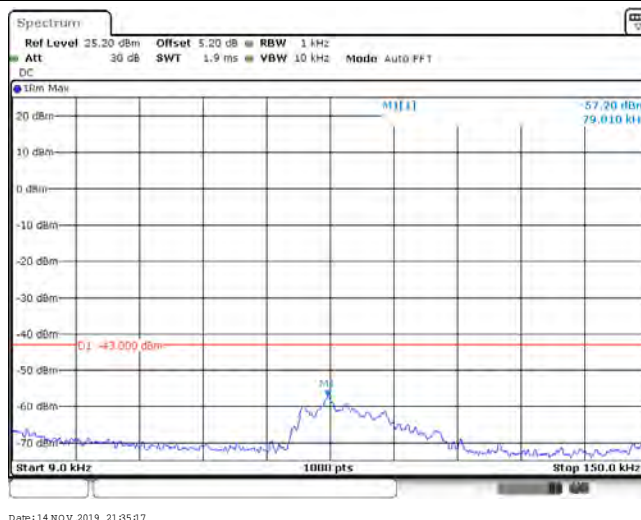


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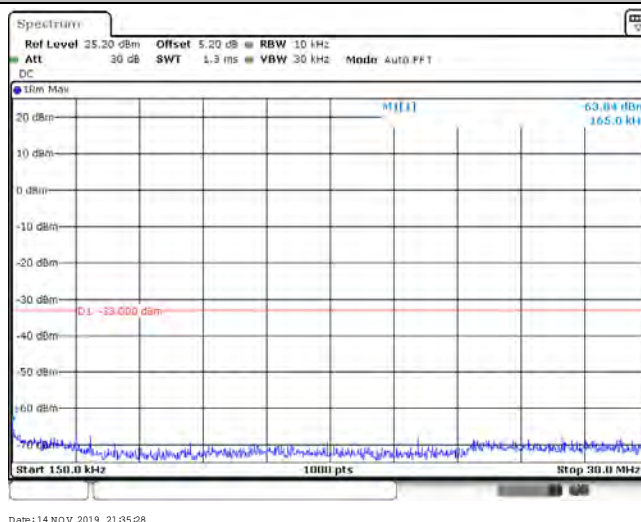


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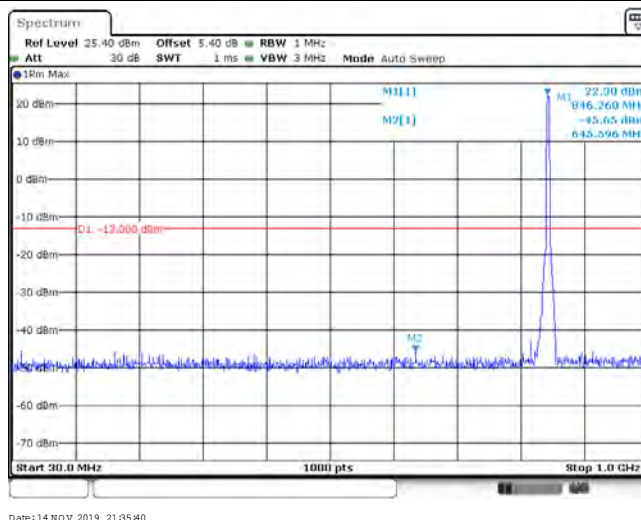


Band V\_4233

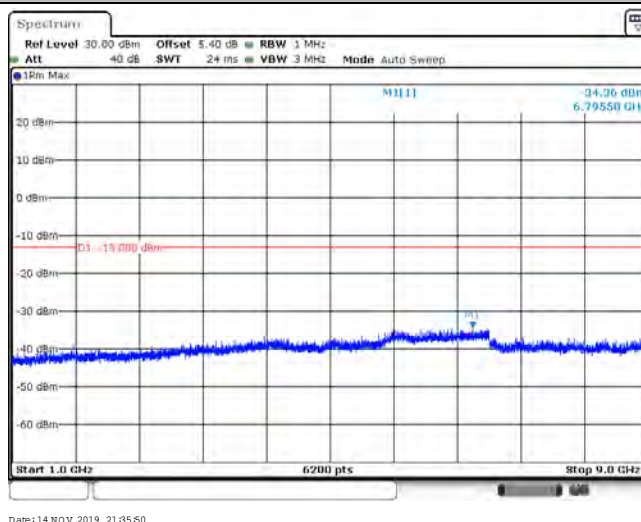


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Band V\_4233



Band V\_4233



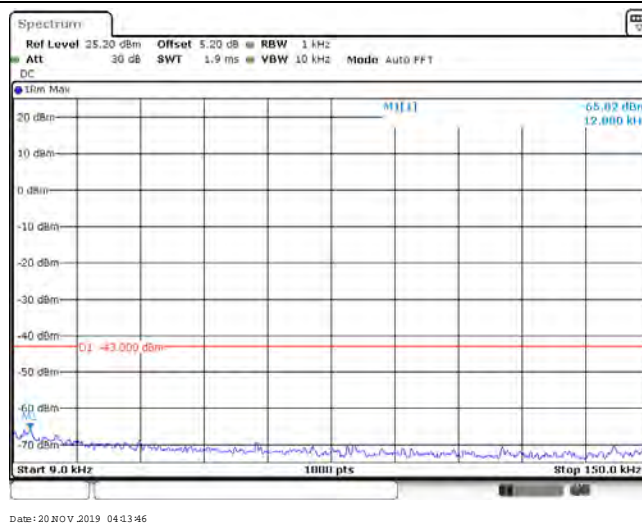
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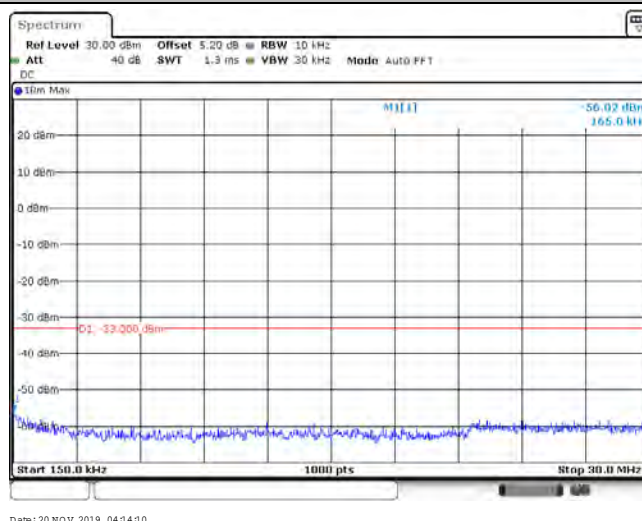




## 6.2. Test Plots for 16QAM

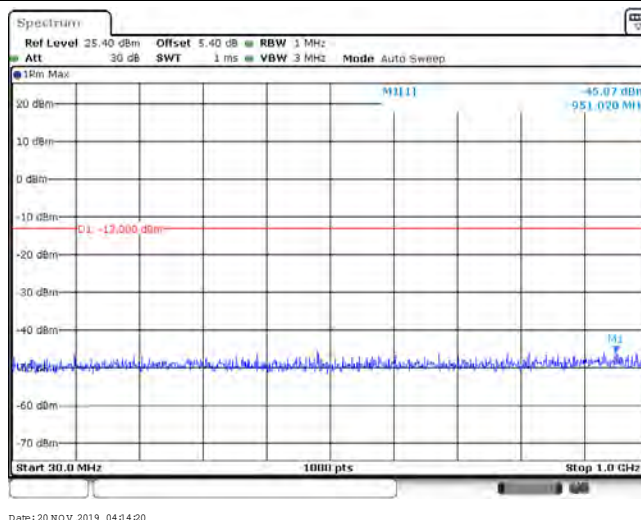


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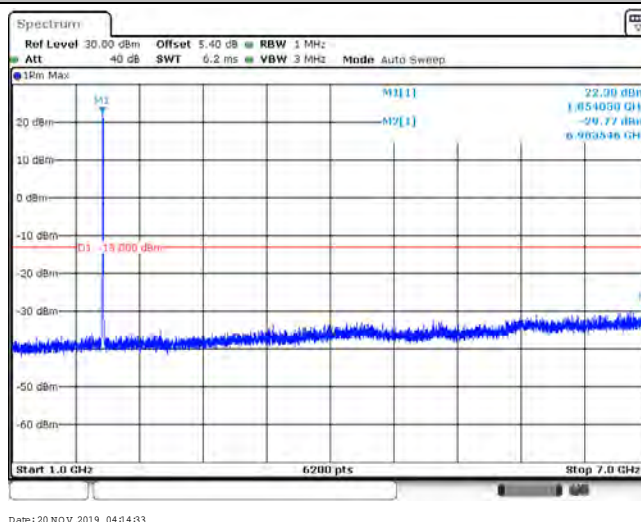


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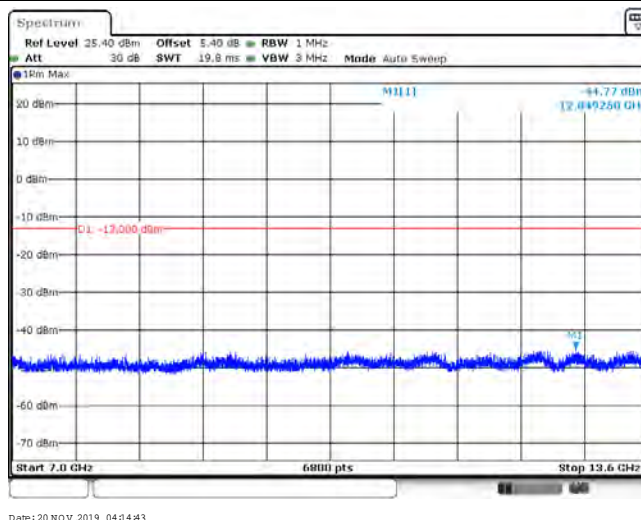


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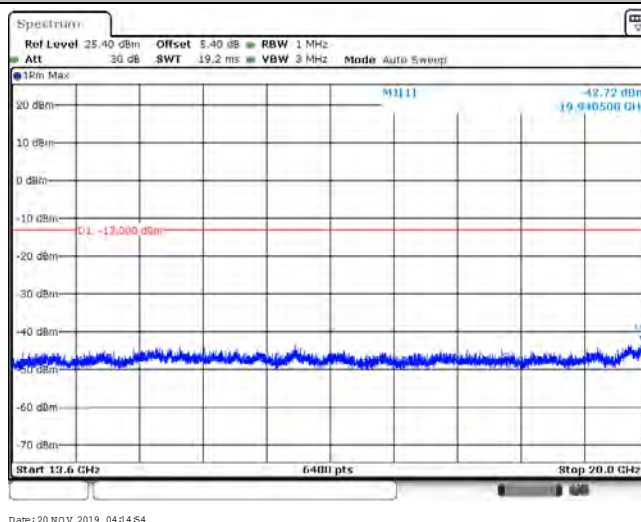


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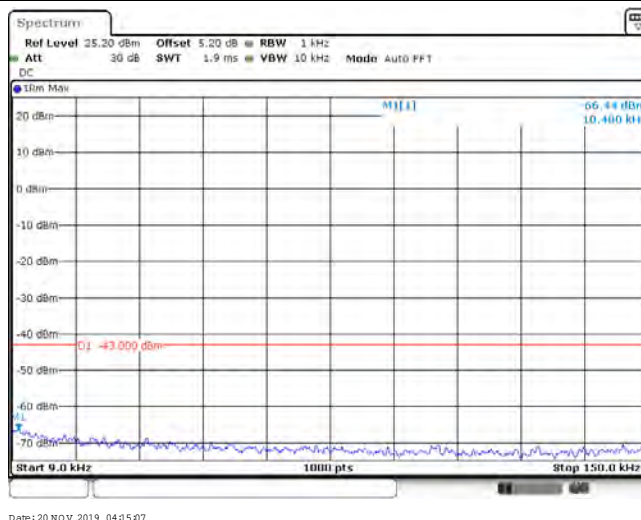
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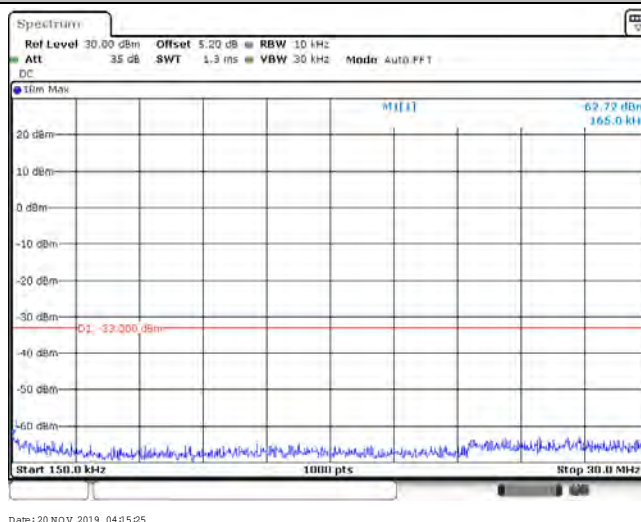
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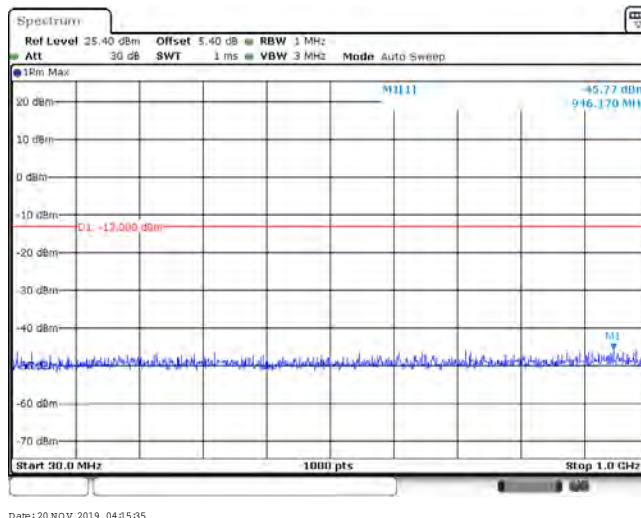


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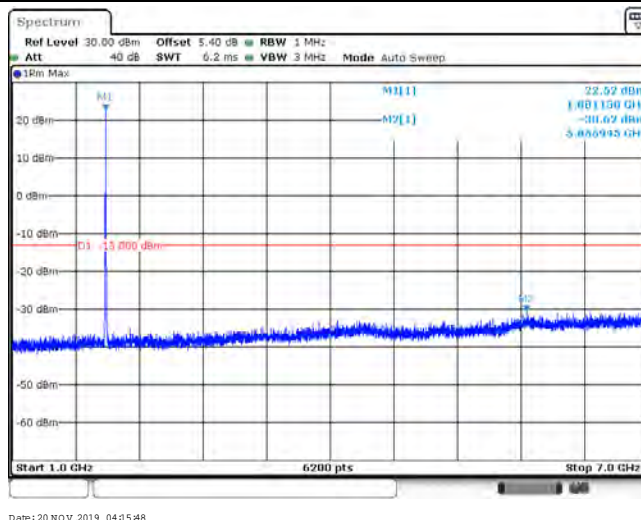


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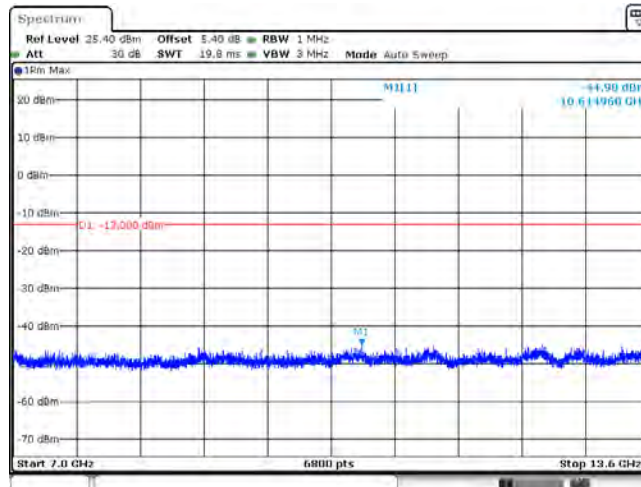


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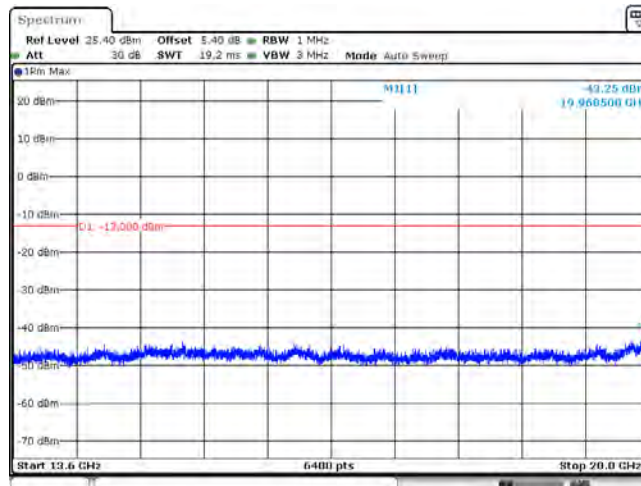
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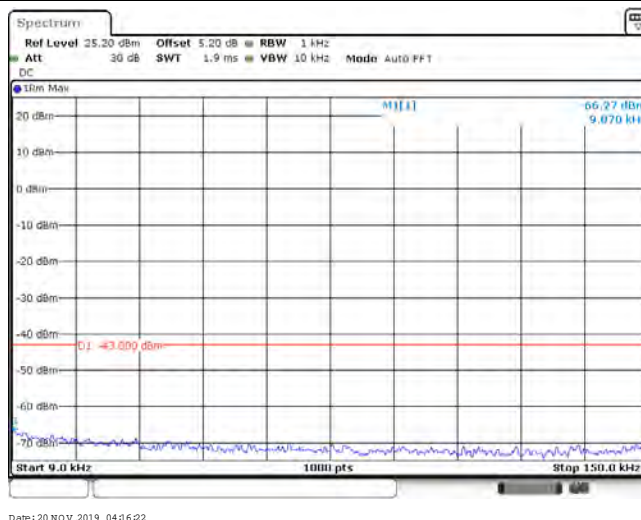


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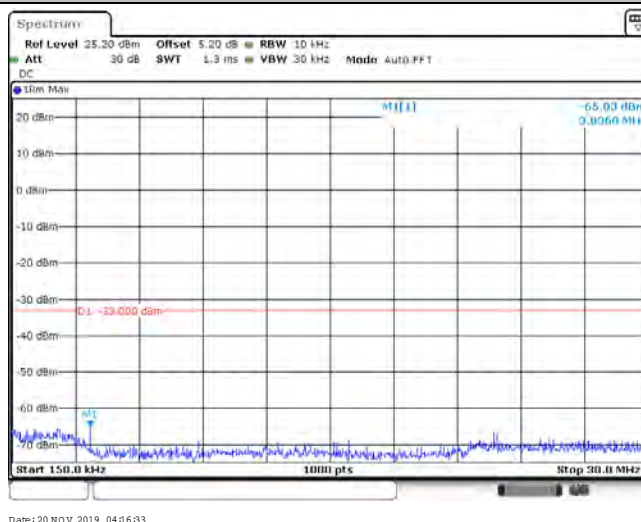
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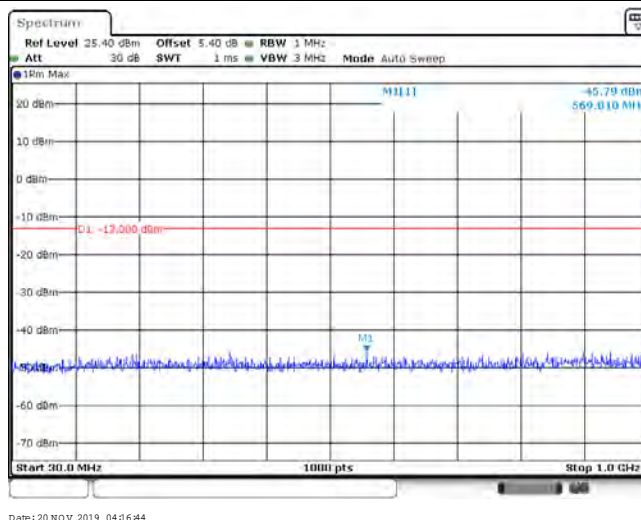


Band II\_9538

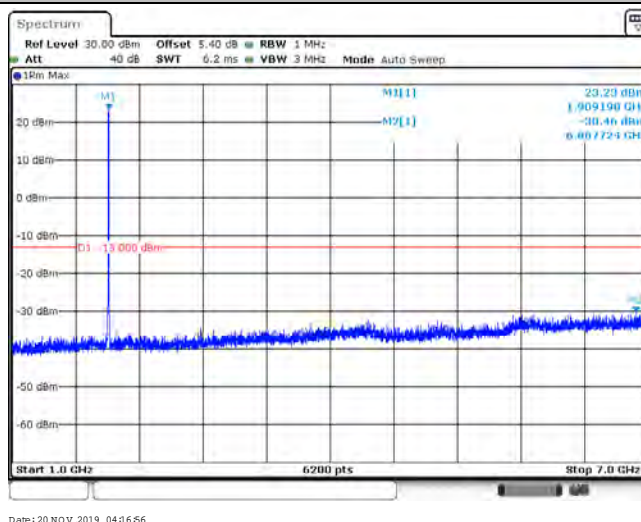


Band II\_9538





Band II\_9538

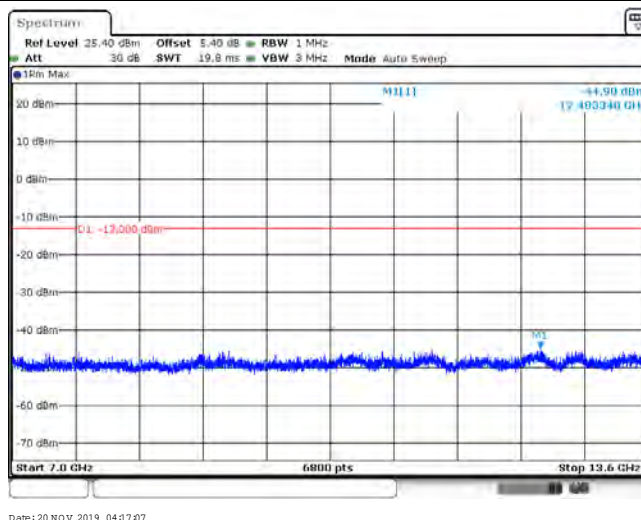


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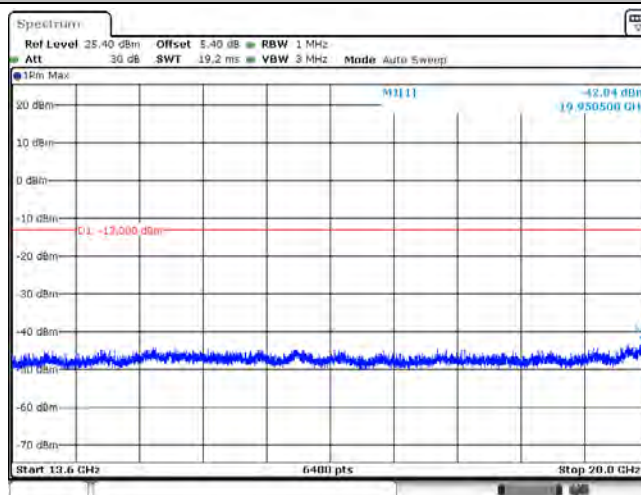
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Band II 9538



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Band II\_9538



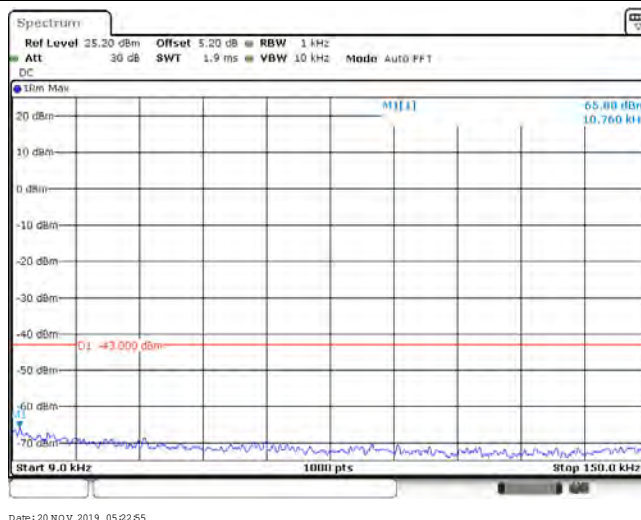
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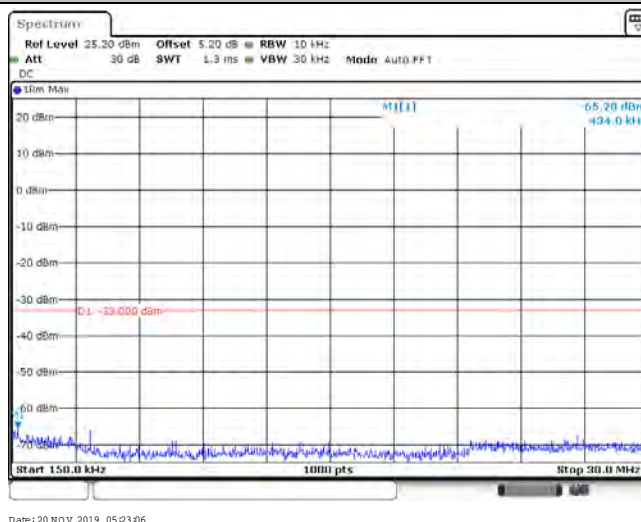
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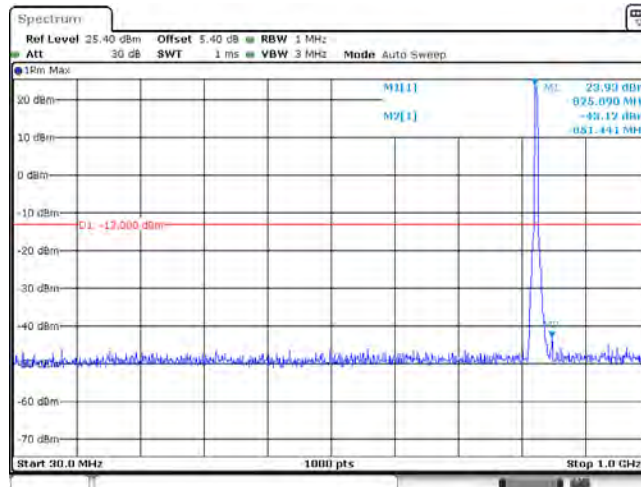


Band V\_4132



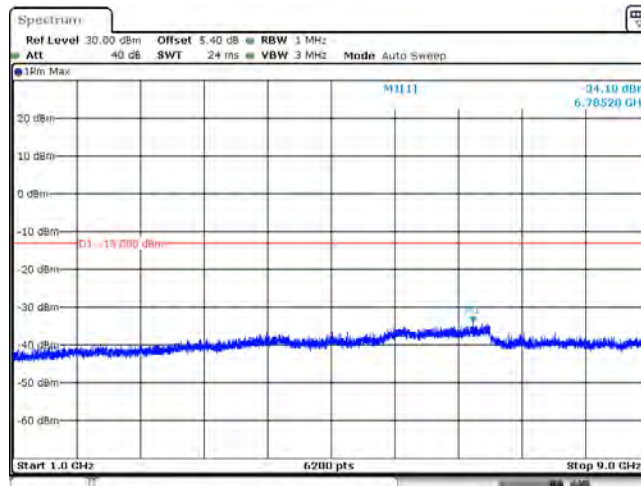
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Band V\_4132



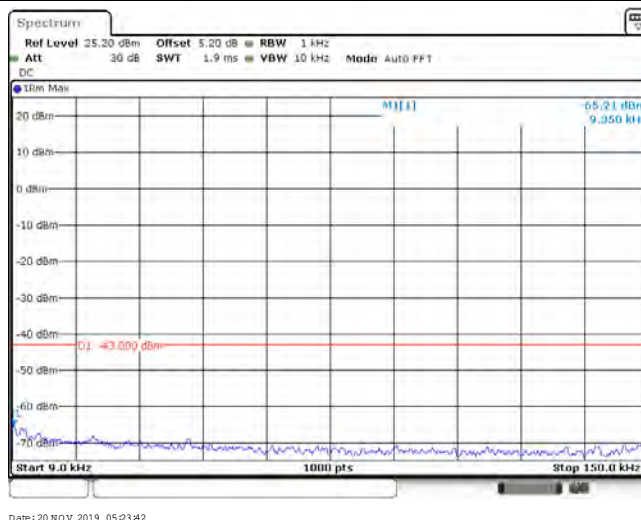
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Band V\_4132

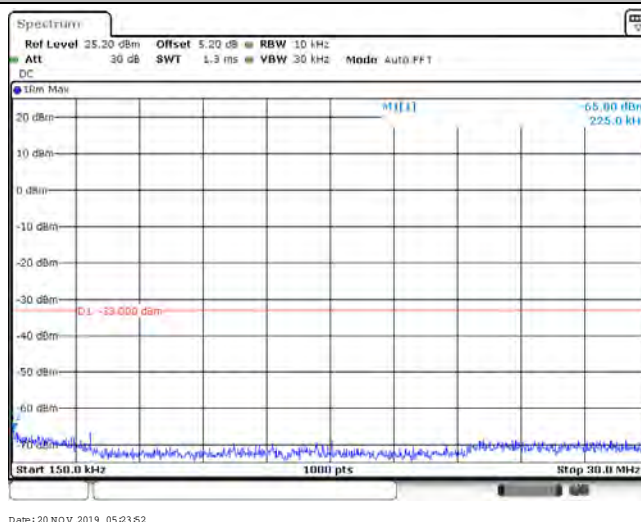


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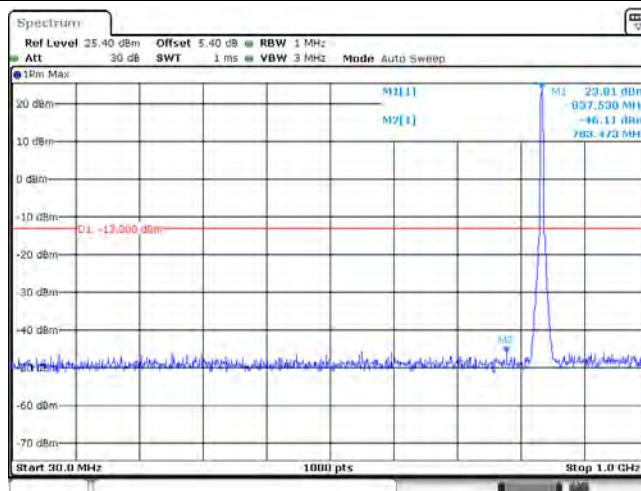
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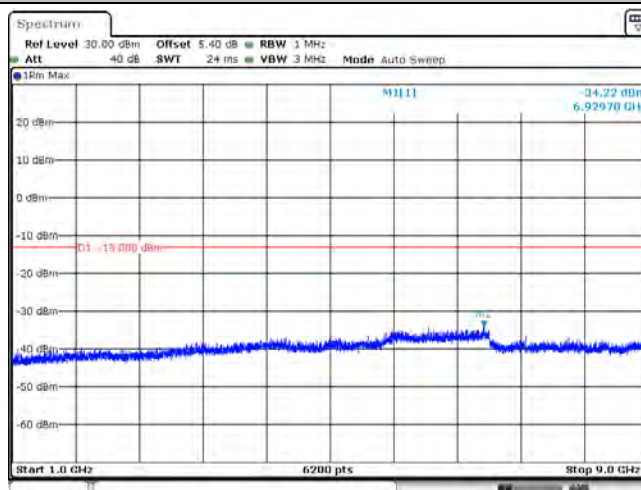
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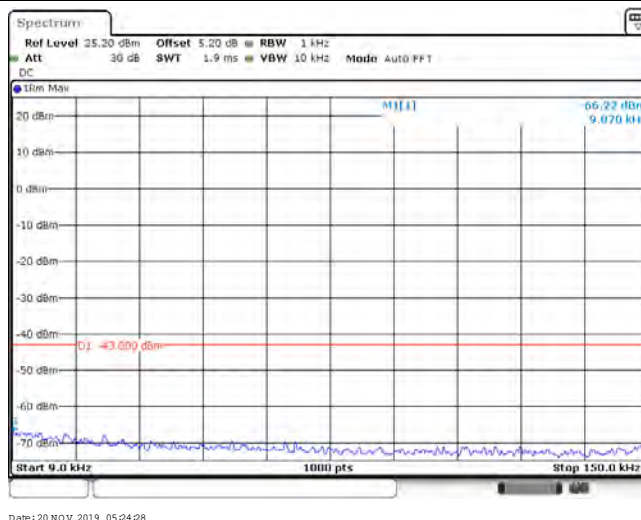
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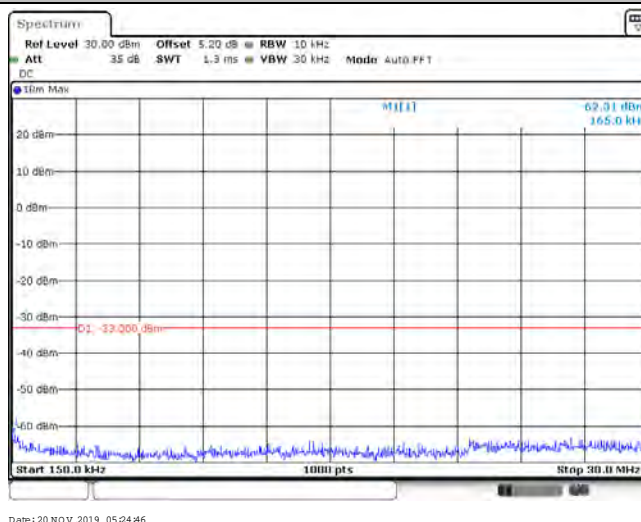
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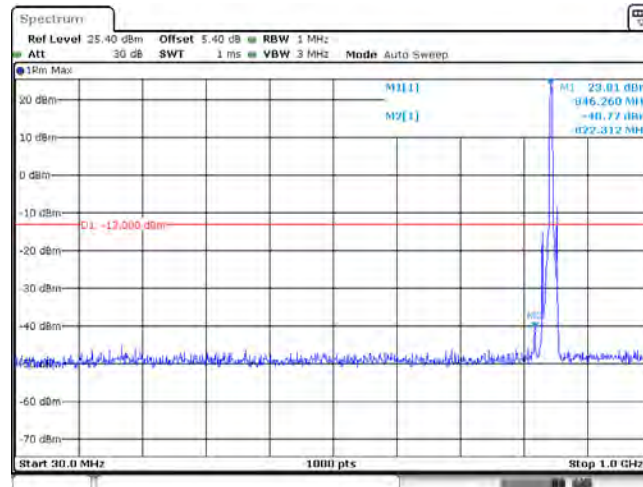


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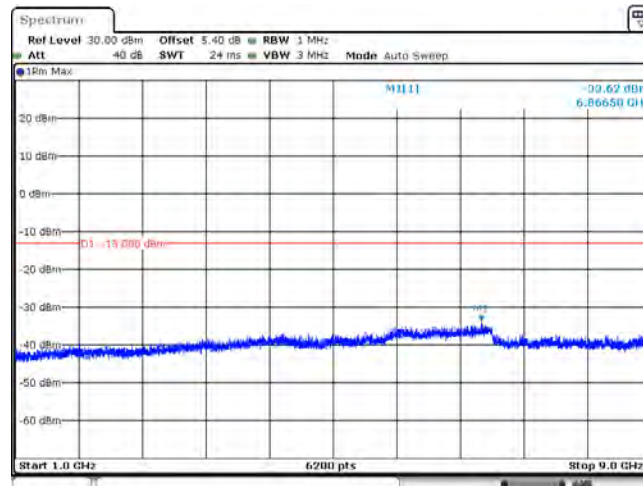
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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = WCDMA Band II

#### 7.1.1. Test Mode = WCDMA/TM1

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.9020	-64.95	-13.00	51.95	Vertical
793.5252	-62.72	-13.00	49.72	Vertical
3706.5236	-52.07	-13.00	39.07	Vertical
5559.5853	-53.91	-13.00	40.91	Vertical
7409.6470	-42.66	-13.00	29.66	Vertical
17996.9999	-33.22	-13.00	20.22	Vertical
42.6591	-64.56	-13.00	51.56	Horizontal
233.7587	-68.27	-13.00	55.27	Horizontal
875.5913	-61.20	-13.00	48.20	Horizontal
3706.5236	-45.47	-13.00	32.47	Horizontal
5560.0853	-51.86	-13.00	38.86	Horizontal
16392.4464	-37.52	-13.00	24.52	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
117.1589	-65.50	-13.00	52.50	Vertical
752.5891	-63.06	-13.00	50.06	Vertical
3758.0253	-50.62	-13.00	37.62	Vertical
5637.0879	-55.55	-13.00	42.55	Vertical
7520.1507	-45.23	-13.00	32.23	Vertical
17950.9984	-33.51	-13.00	20.51	Vertical
43.9202	-64.27	-13.00	51.27	Horizontal
234.9712	-68.57	-13.00	55.57	Horizontal



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779.6050	-62.03	-13.00	49.03	Horizontal
3758.5253	-47.40	-13.00	34.40	Horizontal
5643.5881	-54.24	-13.00	41.24	Horizontal
16386.4462	-37.56	-13.00	24.56	Horizontal

### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
105.1788	-65.51	-13.00	52.51	Vertical
3817.0272	-48.98	-13.00	35.98	Vertical
5726.5909	-54.48	-13.00	41.48	Vertical
7630.1543	-45.36	-13.00	32.36	Vertical
9543.2181	-45.99	-13.00	32.99	Vertical
17996.9999	-33.22	-13.00	20.22	Vertical
43.0472	-64.59	-13.00	51.59	Horizontal
233.3707	-68.55	-13.00	55.55	Horizontal
3817.0272	-47.18	-13.00	34.18	Horizontal
5719.5907	-52.82	-13.00	39.82	Horizontal
7634.1545	-51.80	-13.00	38.80	Horizontal
16404.4468	-37.34	-13.00	24.34	Horizontal

## 7.2. Test Band = WCDMA Band V

### 7.2.1. Test Mode = WCDMA/TM1

#### 7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.6678	-67.75	-13.00	54.75	Vertical
113.5697	-64.83	-13.00	51.83	Vertical
1654.5309	-55.15	-13.00	42.15	Vertical
2593.1186	-57.17	-13.00	44.17	Vertical
3309.5103	-58.06	-13.00	45.06	Vertical
17994.9998	-33.62	-13.00	20.62	Vertical



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44.7932	-65.05	-13.00	52.05	Horizontal
232.9826	-68.58	-13.00	55.58	Horizontal
1654.5309	-52.22	-13.00	39.22	Horizontal
2593.1186	-55.00	-13.00	42.00	Horizontal
3309.5103	-56.09	-13.00	43.09	Horizontal
16403.4468	-37.45	-13.00	24.45	Horizontal

### 7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
114.0547	-64.60	-13.00	51.60	Vertical
1671.3343	-55.91	-13.00	42.91	Vertical
2593.1186	-54.49	-13.00	41.49	Vertical
3341.5114	-59.48	-13.00	46.48	Vertical
4187.0396	-56.23	-13.00	43.23	Vertical
17999.5000	-33.35	-13.00	20.35	Vertical
43.9687	-64.37	-13.00	51.37	Horizontal
221.3421	-69.14	-13.00	56.14	Horizontal
1670.9342	-52.91	-13.00	39.91	Horizontal
2593.1186	-54.02	-13.00	41.02	Horizontal
3342.0114	-56.00	-13.00	43.00	Horizontal
16401.4467	-37.03	-13.00	24.03	Horizontal

### 7.2.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.2715	-66.00	-13.00	53.00	Vertical
622.4571	-63.99	-13.00	50.99	Vertical
1694.5389	-54.34	-13.00	41.34	Vertical
2593.1186	-52.12	-13.00	39.12	Vertical
4238.0413	-55.93	-13.00	42.93	Vertical
17999.0000	-33.55	-13.00	20.55	Vertical
46.1998	-65.87	-13.00	52.87	Horizontal



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237.2509	-68.23	-13.00	55.23	Horizontal
1694.5389	-52.25	-13.00	39.25	Horizontal
2593.1186	-50.85	-13.00	37.85	Horizontal
3382.5128	-56.81	-13.00	43.81	Horizontal
16389.9463	-37.37	-13.00	24.37	Horizontal

**Remark:**

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



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

BAND	Modulation	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	QPSK	9262	VL	TN	-19.09	-0.010306	±2.5	PASS
Band II	QPSK	9262	VN	TN	-10.64	-0.005742	±2.5	PASS
Band II	QPSK	9262	VH	TN	-10.76	-0.005811	±2.5	PASS
Band II	QPSK	9400	VL	TN	-7.88	-0.004193	±2.5	PASS
Band II	QPSK	9400	VN	TN	-5.16	-0.002743	±2.5	PASS
Band II	QPSK	9400	VH	TN	-18.86	-0.010033	±2.5	PASS
Band II	QPSK	9538	VL	TN	-14.72	-0.007716	±2.5	PASS
Band II	QPSK	9538	VN	TN	-10.21	-0.005351	±2.5	PASS
Band II	QPSK	9538	VH	TN	-18.35	-0.009621	±2.5	PASS
Band II	16QAM	9262	VL	TN	-6.45	-0.007807	±2.5	PASS
Band II	16QAM	9262	VN	TN	-14.35	-0.017362	±2.5	PASS
Band II	16QAM	9262	VH	TN	-6.66	-0.008058	±2.5	PASS
Band II	16QAM	9400	VL	TN	-6.47	-0.007731	±2.5	PASS
Band II	16QAM	9400	VN	TN	-15.21	-0.018181	±2.5	PASS
Band II	16QAM	9400	VH	TN	-11.65	-0.013931	±2.5	PASS
Band II	16QAM	9538	VL	TN	-13.41	-0.015841	±2.5	PASS
Band II	16QAM	9538	VN	TN	-10.94	-0.012926	±2.5	PASS
Band II	16QAM	9538	VH	TN	-11.88	-0.014033	±2.5	PASS
Band V	QPSK	4132	VL	TN	-6.73	-0.008144	±2.5	PASS
Band V	QPSK	4132	VN	TN	-3.80	-0.004596	±2.5	PASS
Band V	QPSK	4132	VH	TN	-3.20	-0.003877	±2.5	PASS
Band V	QPSK	4182	VL	TN	-3.48	-0.004156	±2.5	PASS
Band V	QPSK	4182	VN	TN	-5.72	-0.006841	±2.5	PASS
Band V	QPSK	4182	VH	TN	-6.17	-0.007371	±2.5	PASS
Band V	QPSK	4233	VL	TN	-9.30	-0.010983	±2.5	PASS
Band V	QPSK	4233	VN	TN	-11.08	-0.013087	±2.5	PASS
Band V	QPSK	4233	VH	TN	-9.31	-0.010992	±2.5	PASS
Band V	16QAM	4132	VL	TN	3.31	0.004009	±2.5	PASS
Band V	16QAM	4132	VN	TN	-13.34	-0.016145	±2.5	PASS
Band V	16QAM	4132	VH	TN	2.51	0.003035	±2.5	PASS
Band V	16QAM	4182	VL	TN	0.05	0.000061	±2.5	PASS
Band V	16QAM	4182	VN	TN	-9.44	-0.011288	±2.5	PASS
Band V	16QAM	4182	VH	TN	-12.27	-0.014671	±2.5	PASS
Band V	16QAM	4233	VL	TN	4.27	0.005042	±2.5	PASS
Band V	16QAM	4233	VN	TN	-3.27	-0.003862	±2.5	PASS
Band V	16QAM	4233	VH	TN	-12.98	-0.015332	±2.5	PASS



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## 8.2. Frequency Vs Temperature

BAND	Modulation	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	QPSK	9262	VN	-30	-9.15	-0.004939	± 2.5	PASS
Band II	QPSK	9262	VN	-20	-14.53	-0.007846	± 2.5	PASS
Band II	QPSK	9262	VN	-10	-10.14	-0.005471	± 2.5	PASS
Band II	QPSK	9262	VN	0	-9.25	-0.004993	± 2.5	PASS
Band II	QPSK	9262	VN	10	-17.47	-0.009433	± 2.5	PASS
Band II	QPSK	9262	VN	20	-19.35	-0.010445	± 2.5	PASS
Band II	QPSK	9262	VN	30	-11.88	-0.006414	± 2.5	PASS
Band II	QPSK	9262	VN	40	-11.85	-0.006398	± 2.5	PASS
Band II	QPSK	9262	VN	50	-7.67	-0.004139	± 2.5	PASS
Band II	QPSK	9400	VN	-30	-19.01	-0.010113	± 2.5	PASS
Band II	QPSK	9400	VN	-20	-15.79	-0.008397	± 2.5	PASS
Band II	QPSK	9400	VN	-10	-15.36	-0.008168	± 2.5	PASS
Band II	QPSK	9400	VN	0	-14.41	-0.007666	± 2.5	PASS
Band II	QPSK	9400	VN	10	-12.21	-0.006494	± 2.5	PASS
Band II	QPSK	9400	VN	20	-15.71	-0.008355	± 2.5	PASS
Band II	QPSK	9400	VN	30	-18.40	-0.009785	± 2.5	PASS
Band II	QPSK	9400	VN	40	-16.62	-0.008838	± 2.5	PASS
Band II	QPSK	9400	VN	50	-8.69	-0.004623	± 2.5	PASS
Band II	QPSK	9538	VN	-30	-22.32	-0.011702	± 2.5	PASS
Band II	QPSK	9538	VN	-20	-18.62	-0.009760	± 2.5	PASS
Band II	QPSK	9538	VN	-10	-17.17	-0.009003	± 2.5	PASS
Band II	QPSK	9538	VN	0	-13.17	-0.006903	± 2.5	PASS
Band II	QPSK	9538	VN	10	-13.68	-0.007173	± 2.5	PASS
Band II	QPSK	9538	VN	20	-13.83	-0.007248	± 2.5	PASS
Band II	QPSK	9538	VN	30	-11.16	-0.005849	± 2.5	PASS
Band II	QPSK	9538	VN	40	-19.92	-0.010442	± 2.5	PASS
Band II	QPSK	9538	VN	50	-12.36	-0.006479	± 2.5	PASS
Band II	16QAM	9262	VN	-30	-7.28	-0.008811	± 2.5	PASS
Band II	16QAM	9262	VN	-20	-4.14	-0.005011	± 2.5	PASS
Band II	16QAM	9262	VN	-10	-13.78	-0.016678	± 2.5	PASS
Band II	16QAM	9262	VN	0	-5.14	-0.006223	± 2.5	PASS
Band II	16QAM	9262	VN	10	-7.37	-0.008915	± 2.5	PASS
Band II	16QAM	9262	VN	20	-12.76	-0.015441	± 2.5	PASS
Band II	16QAM	9262	VN	30	-12.60	-0.015250	± 2.5	PASS
Band II	16QAM	9262	VN	40	-2.34	-0.002830	± 2.5	PASS
Band II	16QAM	9262	VN	50	-8.24	-0.009971	± 2.5	PASS
Band II	16QAM	9400	VN	-30	-11.39	-0.013614	± 2.5	PASS
Band II	16QAM	9400	VN	-20	-10.04	-0.012006	± 2.5	PASS
Band II	16QAM	9400	VN	-10	-9.94	-0.011887	± 2.5	PASS
Band II	16QAM	9400	VN	0	-11.02	-0.013178	± 2.5	PASS
Band II	16QAM	9400	VN	10	-12.06	-0.014418	± 2.5	PASS
Band II	16QAM	9400	VN	20	-8.54	-0.010211	± 2.5	PASS



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Band II	16QAM	9400	VN	30	-5.49	-0.006568	±2.5	PASS
Band II	16QAM	9400	VN	40	-11.57	-0.013828	±2.5	PASS
Band II	16QAM	9400	VN	50	-5.82	-0.006961	±2.5	PASS
Band II	16QAM	9538	VN	-30	-10.34	-0.012217	±2.5	PASS
Band II	16QAM	9538	VN	-20	-10.81	-0.012774	±2.5	PASS
Band II	16QAM	9538	VN	-10	-2.46	-0.002906	±2.5	PASS
Band II	16QAM	9538	VN	0	-8.20	-0.009682	±2.5	PASS
Band II	16QAM	9538	VN	10	-11.01	-0.013002	±2.5	PASS
Band II	16QAM	9538	VN	20	-12.44	-0.014692	±2.5	PASS
Band II	16QAM	9538	VN	30	-3.33	-0.003937	±2.5	PASS
Band II	16QAM	9538	VN	40	-6.83	-0.008068	±2.5	PASS
Band II	16QAM	9538	VN	50	-9.06	-0.010704	±2.5	PASS
Band V	QPSK	4132	VN	-30	-5.11	-0.006188	±2.5	PASS
Band V	QPSK	4132	VN	-20	-8.69	-0.010516	±2.5	PASS
Band V	QPSK	4132	VN	-10	-5.94	-0.007184	±2.5	PASS
Band V	QPSK	4132	VN	0	-10.16	-0.012299	±2.5	PASS
Band V	QPSK	4132	VN	10	-7.45	-0.009019	±2.5	PASS
Band V	QPSK	4132	VN	20	-4.13	-0.004994	±2.5	PASS
Band V	QPSK	4132	VN	30	-10.99	-0.013303	±2.5	PASS
Band V	QPSK	4132	VN	40	-8.48	-0.010256	±2.5	PASS
Band V	QPSK	4132	VN	50	-8.53	-0.010317	±2.5	PASS
Band V	QPSK	4182	VN	-30	-10.40	-0.012434	±2.5	PASS
Band V	QPSK	4182	VN	-20	-7.90	-0.009450	±2.5	PASS
Band V	QPSK	4182	VN	-10	-11.62	-0.013888	±2.5	PASS
Band V	QPSK	4182	VN	0	-7.72	-0.009227	±2.5	PASS
Band V	QPSK	4182	VN	10	-8.75	-0.010459	±2.5	PASS
Band V	QPSK	4182	VN	20	-9.61	-0.011493	±2.5	PASS
Band V	QPSK	4182	VN	30	-11.52	-0.013768	±2.5	PASS
Band V	QPSK	4182	VN	40	-9.46	-0.011305	±2.5	PASS
Band V	QPSK	4182	VN	50	-8.75	-0.010467	±2.5	PASS
Band V	QPSK	4233	VN	-30	-3.88	-0.004588	±2.5	PASS
Band V	QPSK	4233	VN	-20	-8.34	-0.009851	±2.5	PASS
Band V	QPSK	4233	VN	-10	-9.93	-0.011735	±2.5	PASS
Band V	QPSK	4233	VN	0	-7.25	-0.008558	±2.5	PASS
Band V	QPSK	4233	VN	10	-5.64	-0.006657	±2.5	PASS
Band V	QPSK	4233	VN	20	-11.05	-0.013053	±2.5	PASS
Band V	QPSK	4233	VN	30	-6.01	-0.007097	±2.5	PASS
Band V	QPSK	4233	VN	40	-11.70	-0.013822	±2.5	PASS
Band V	QPSK	4233	VN	50	-8.81	-0.010409	±2.5	PASS
Band V	16QAM	4132	VN	-30	0.57	0.000685	±2.5	PASS
Band V	16QAM	4132	VN	-20	5.29	0.006397	±2.5	PASS
Band V	16QAM	4132	VN	-10	3.73	0.004516	±2.5	PASS
Band V	16QAM	4132	VN	0	13.80	0.016694	±2.5	PASS
Band V	16QAM	4132	VN	10	-11.05	-0.013369	±2.5	PASS
Band V	16QAM	4132	VN	20	-7.23	-0.008752	±2.5	PASS
Band V	16QAM	4132	VN	30	-0.75	-0.000910	±2.5	PASS
Band V	16QAM	4132	VN	40	-8.29	-0.010030	±2.5	PASS



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Band V	16QAM	4132	VN	50	-4.35	-0.005263	±2.5	PASS
Band V	16QAM	4182	VN	-30	-14.91	-0.017825	±2.5	PASS
Band V	16QAM	4182	VN	-20	13.90	0.016620	±2.5	PASS
Band V	16QAM	4182	VN	-10	-13.00	-0.015548	±2.5	PASS
Band V	16QAM	4182	VN	0	3.91	0.004674	±2.5	PASS
Band V	16QAM	4182	VN	10	9.41	0.011255	±2.5	PASS
Band V	16QAM	4182	VN	20	-0.60	-0.000721	±2.5	PASS
Band V	16QAM	4182	VN	30	-14.68	-0.017553	±2.5	PASS
Band V	16QAM	4182	VN	40	-2.85	-0.003403	±2.5	PASS
Band V	16QAM	4182	VN	50	-12.86	-0.015377	±2.5	PASS
Band V	16QAM	4233	VN	-30	4.29	0.005066	±2.5	PASS
Band V	16QAM	4233	VN	-20	-2.75	-0.003254	±2.5	PASS
Band V	16QAM	4233	VN	-10	5.01	0.005915	±2.5	PASS
Band V	16QAM	4233	VN	0	-0.76	-0.000898	±2.5	PASS
Band V	16QAM	4233	VN	10	-8.91	-0.010521	±2.5	PASS
Band V	16QAM	4233	VN	20	12.22	0.014433	±2.5	PASS
Band V	16QAM	4233	VN	30	3.21	0.003793	±2.5	PASS
Band V	16QAM	4233	VN	40	2.13	0.002515	±2.5	PASS
Band V	16QAM	4233	VN	50	-3.30	-0.003897	±2.5	PASS

The End



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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.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