



# Appendix B

## WCDMA Band II & IV & V



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result for Ant0

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.18	15.03	38.45	PASS
Band V	4182	24.22	15.07	38.45	PASS
Band V	4233	24.09	14.94	38.45	PASS

## 1.2. Test Result for Ant1

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	24.25	18.70	38.45	PASS
Band V	4182	24.31	18.76	38.45	PASS
Band V	4233	24.21	18.66	38.45	PASS

## 1.3. Test Result for Ant2

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	23.24	21.64	33.00	PASS
Band II	9400	23.28	21.68	33.00	PASS
Band II	9538	23.36	21.76	33.00	PASS
Band IV	1312	23.51	21.11	30.00	PASS
Band IV	1413	23.48	21.08	30.00	PASS
Band IV	1513	23.36	20.96	30.00	PASS

## 1.4. Test Result for Ant3

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	22.54	20.54	33.00	PASS
Band II	9400	22.52	20.52	33.00	PASS
Band II	9538	22.61	20.61	33.00	PASS
Band IV	1312	22.78	20.28	30.00	PASS
Band IV	1413	22.81	20.31	30.00	PASS
Band IV	1513	22.75	20.25	30.00	PASS

Remark:

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

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

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



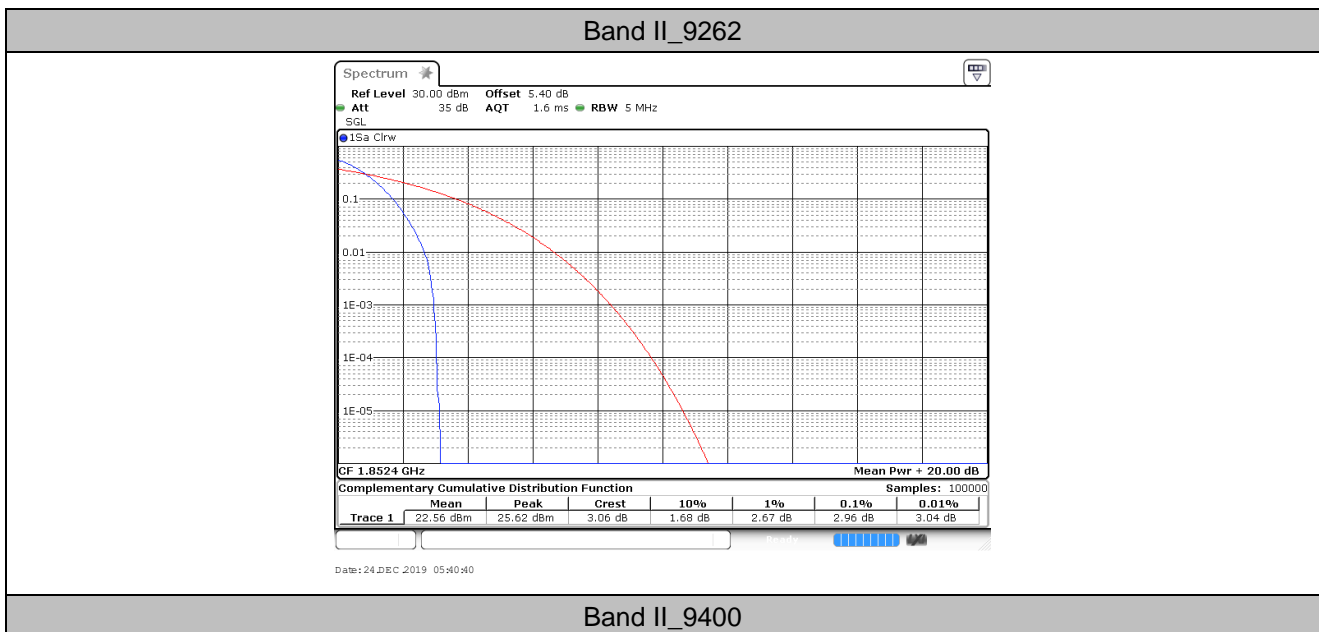
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## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.96	13.00	PASS
Band II	9400	2.99	13.00	PASS
Band II	9538	3.10	13.00	PASS
Band IV	1312	2.99	13.00	PASS
Band IV	1413	2.99	13.00	PASS
Band IV	1513	2.96	13.00	PASS
Band V	4132	2.93	13.00	PASS
Band V	4182	2.96	13.00	PASS
Band V	4233	2.87	13.00	PASS

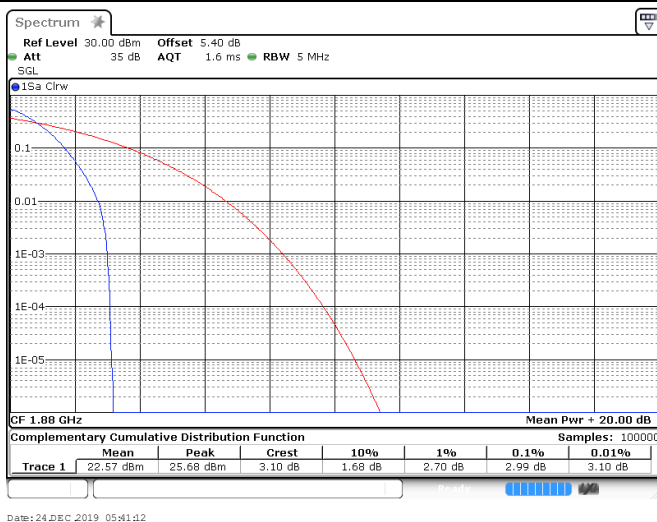
### 2.2. Test Plots



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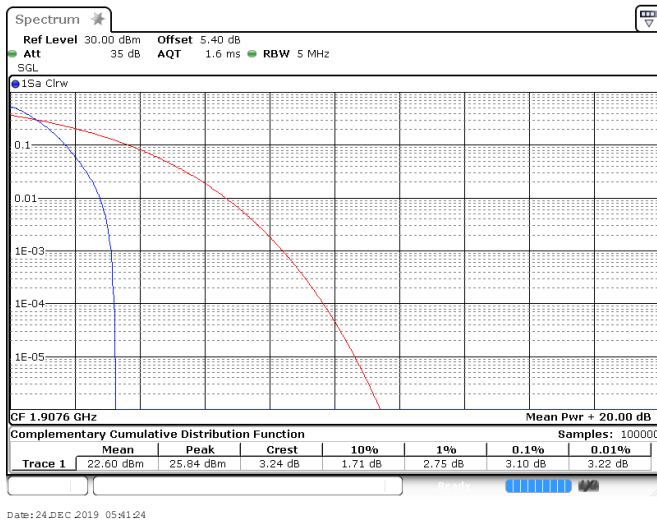
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Date: 24 DEC 2019 05:41:12

**Band II\_9538**

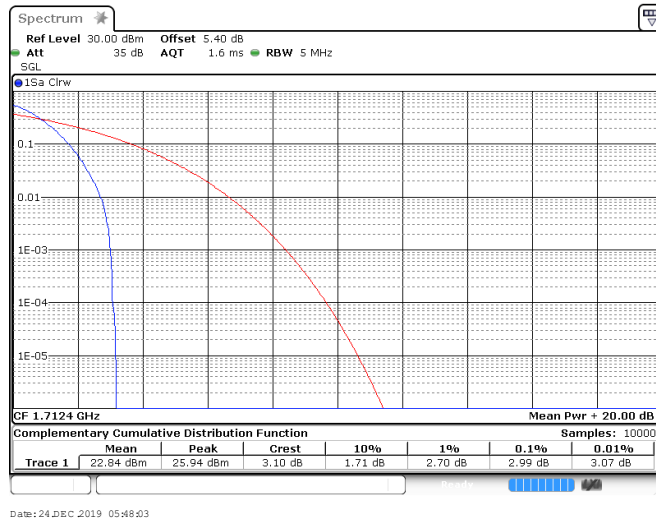


Date: 24 DEC 2019 05:41:24

**Band IV\_1312**

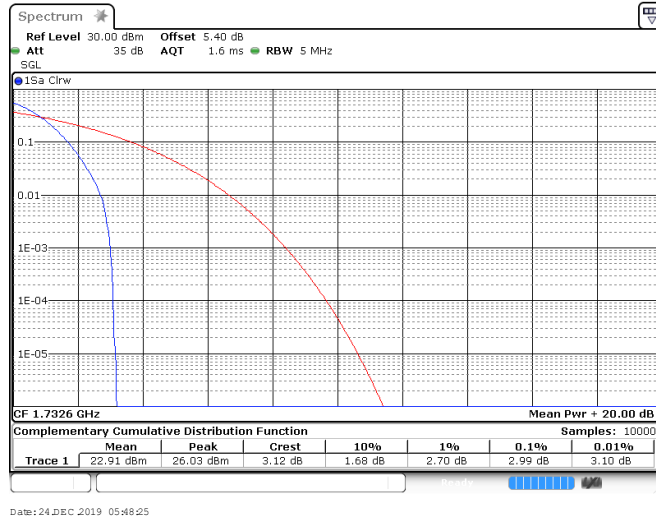


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Date: 24 DEC 2019 05:48:03

**Band IV\_1413**

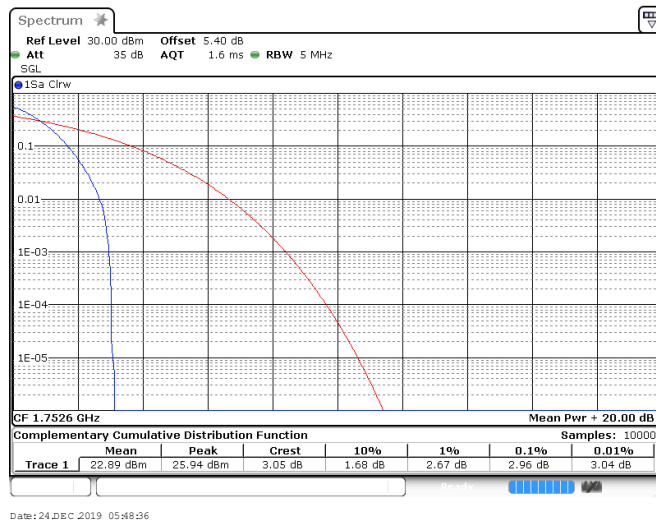


Date: 24 DEC 2019 05:48:25

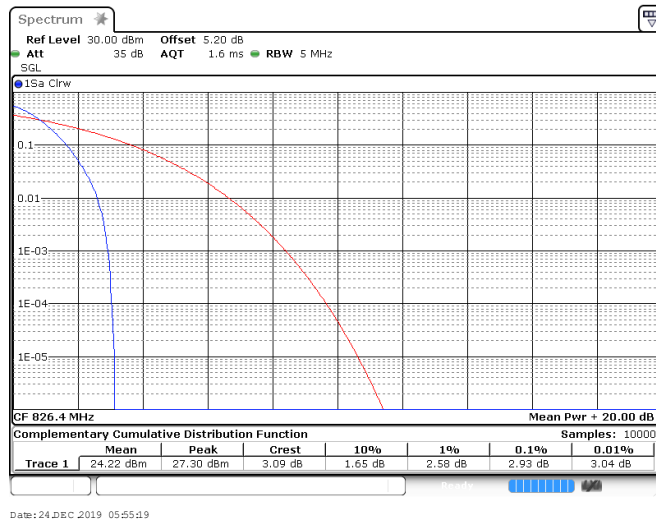
**Band IV\_1513**



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**Band V\_4132**

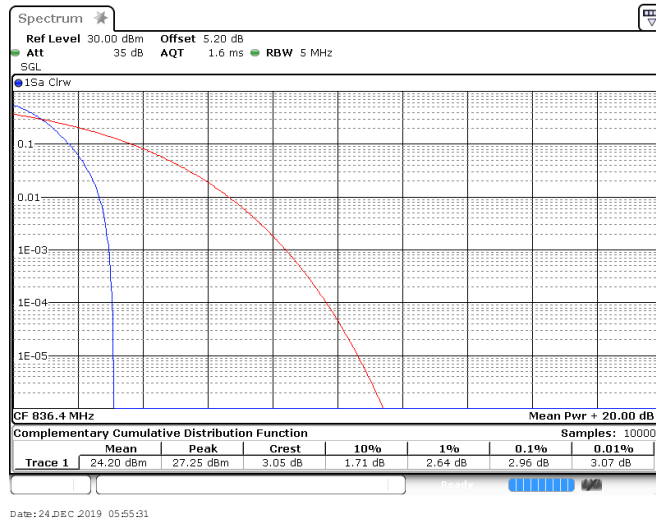


**Band V\_4182**

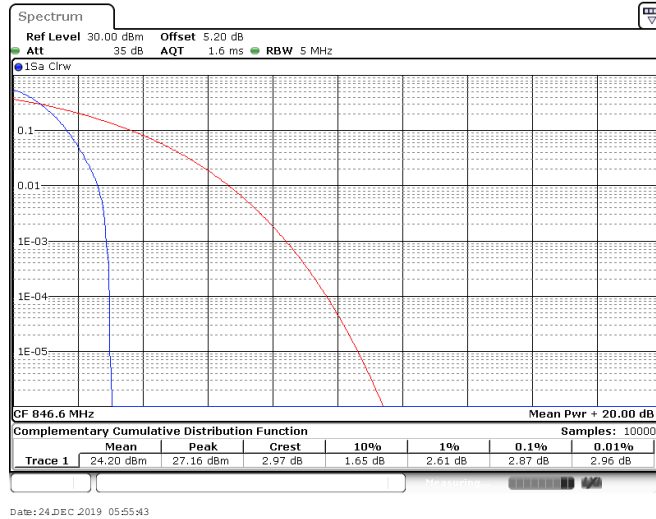


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**Band V\_4233**



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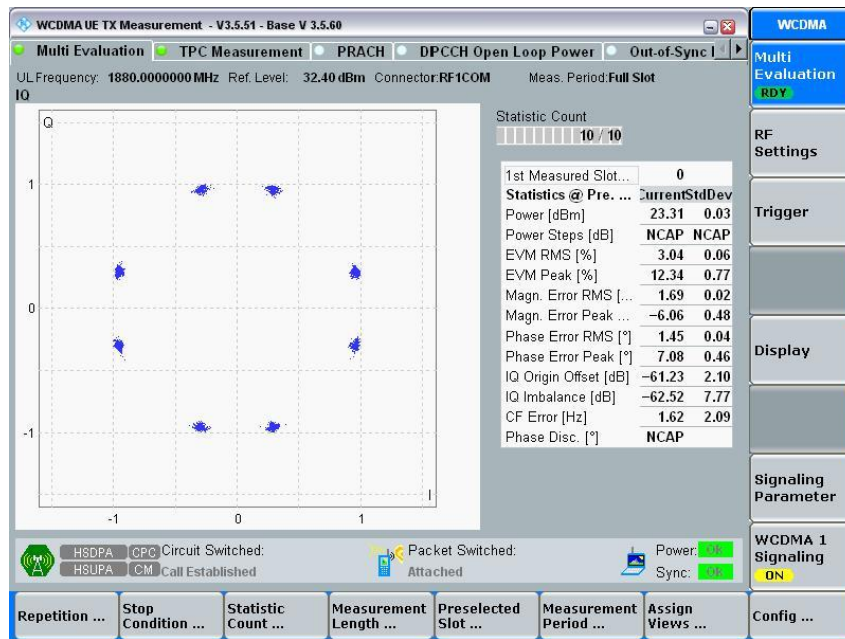
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### 3. Modulation Characteristics

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

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

##### 3.1.1.1. Test Channel = MCH



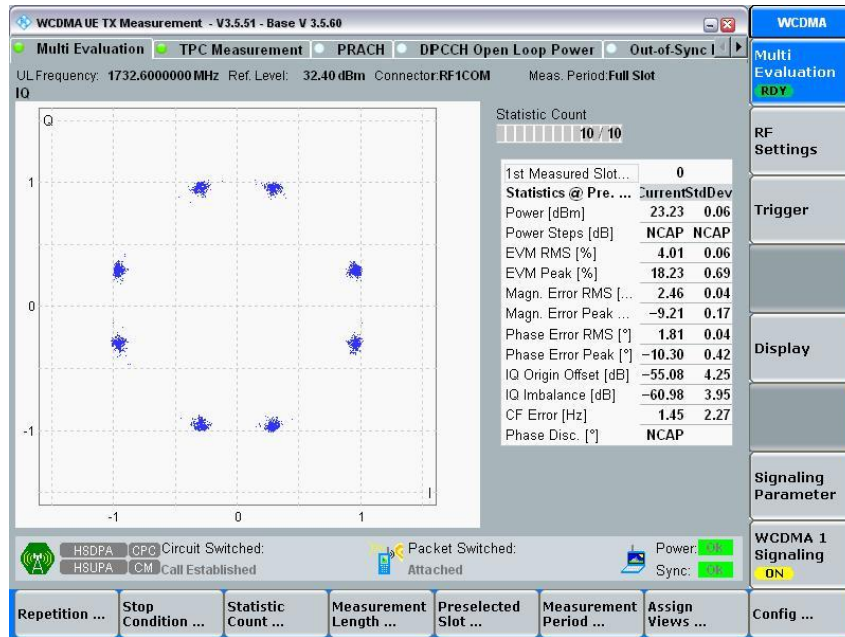
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### 3.2. Test Band = WCDMA Band IV

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

##### 3.2.1.1. Test Channel = MCH



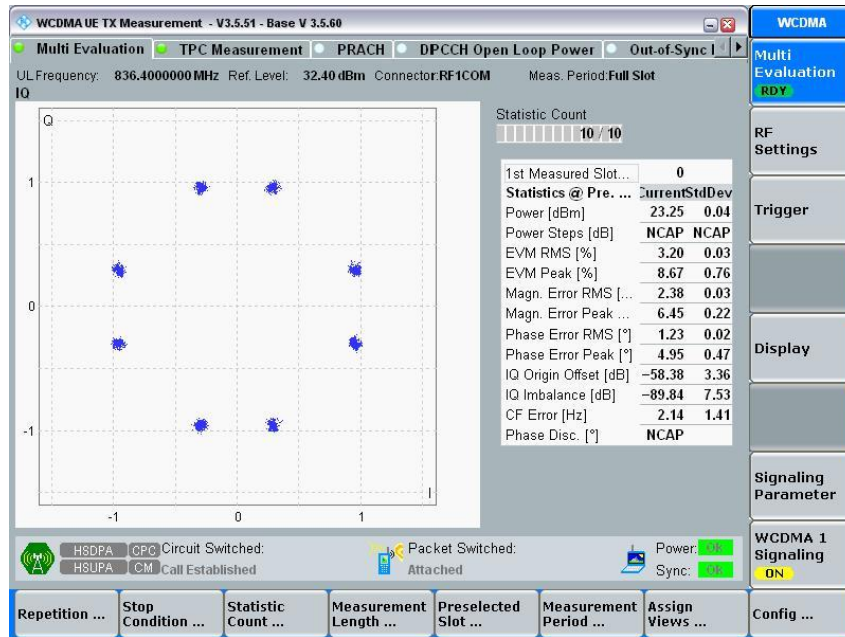
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### 3.3. Test Band = WCDMA Band V

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

##### 3.3.1.1. Test Channel = MCH



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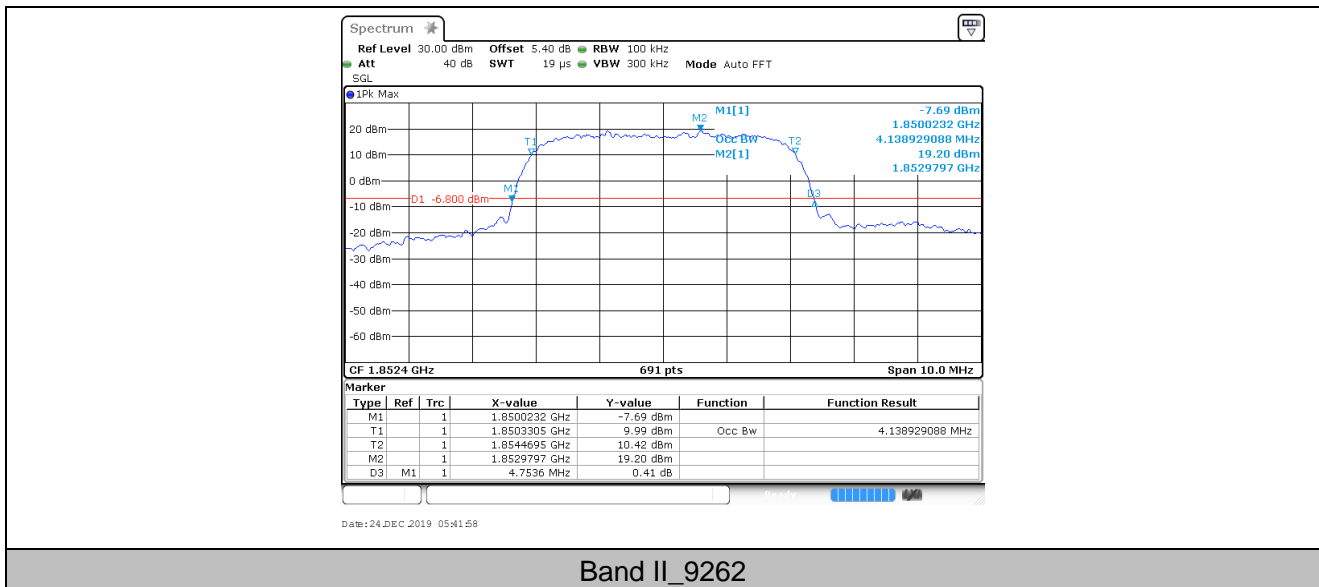


## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4138.9	4754	---	PASS
Band II	9400	4138.9	4739	---	PASS
Band II	9538	4138.9	4754	---	PASS
Band IV	1312	4138.9	4739	---	PASS
Band IV	1413	4138.9	4739	---	PASS
Band IV	1513	4138.9	4739	---	PASS
Band V	4132	4124.5	4725	---	PASS
Band V	4182	4153.4	4754	---	PASS
Band V	4233	4153.4	4754	---	PASS

### 4.2. Test Plots



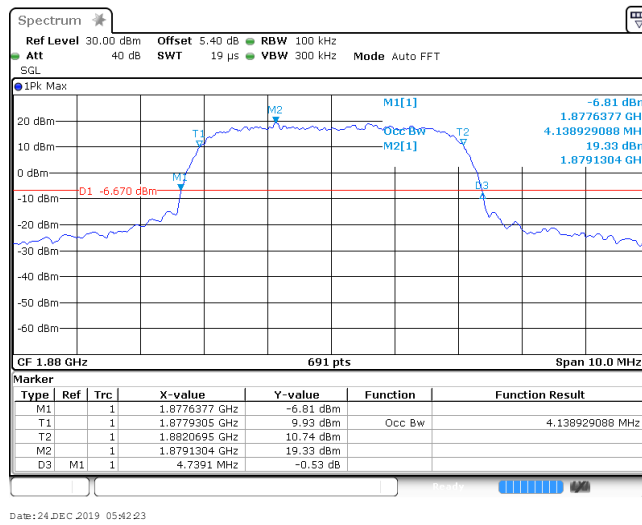
Band II\_9262



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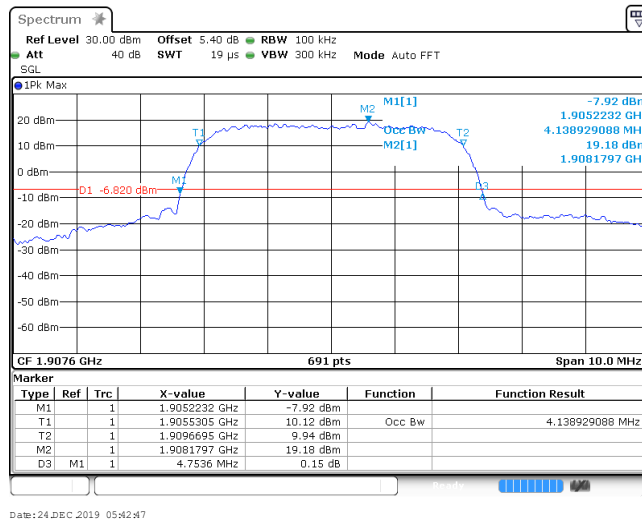
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**Band II\_9400**



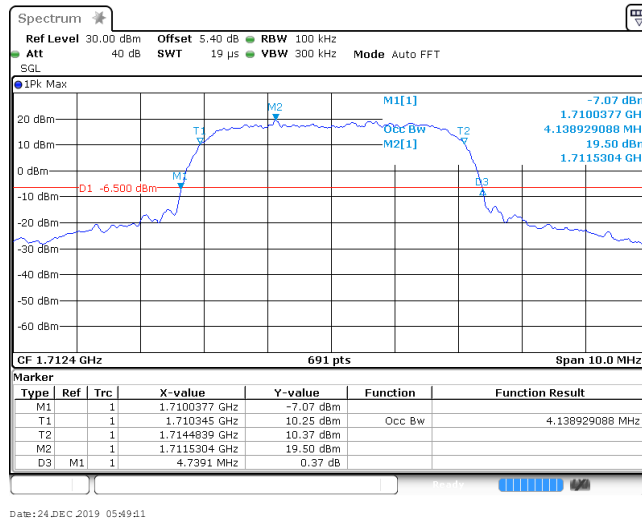
Date: 24 DEC 2019 05:42:47

**Band II\_9538**



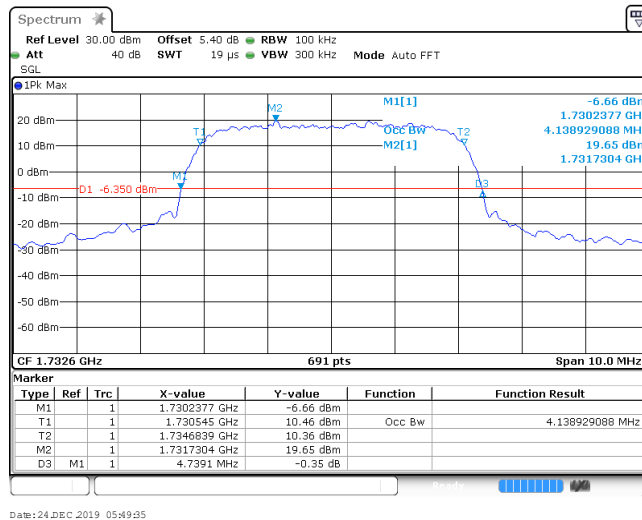
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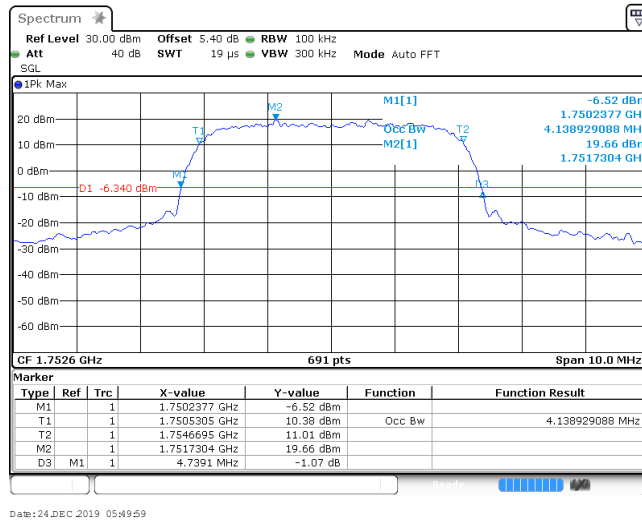
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**Band IV\_1413**

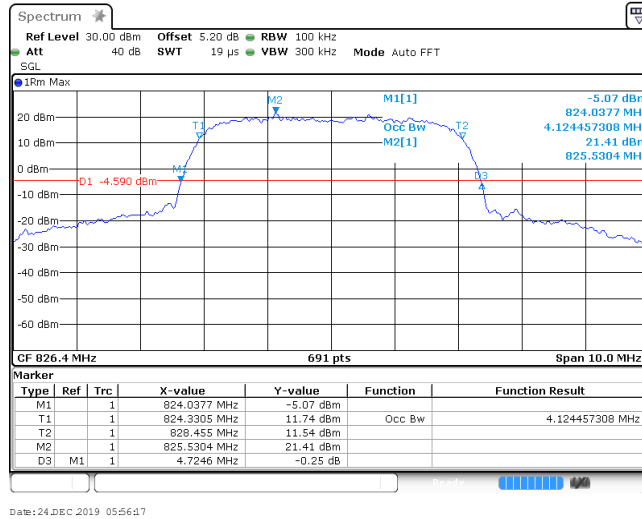


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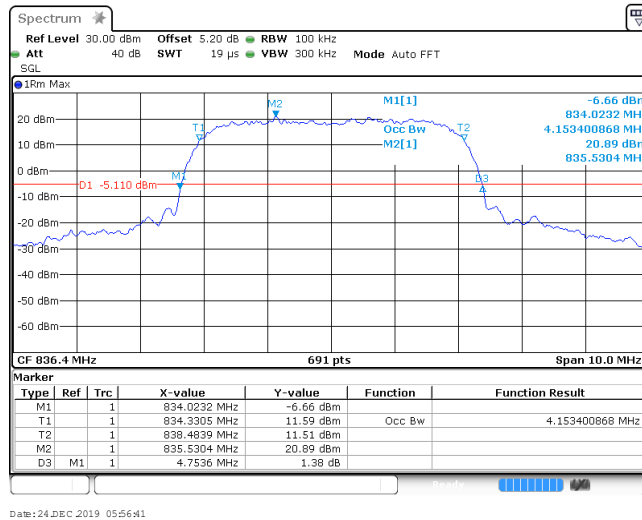


**Band V\_4132**



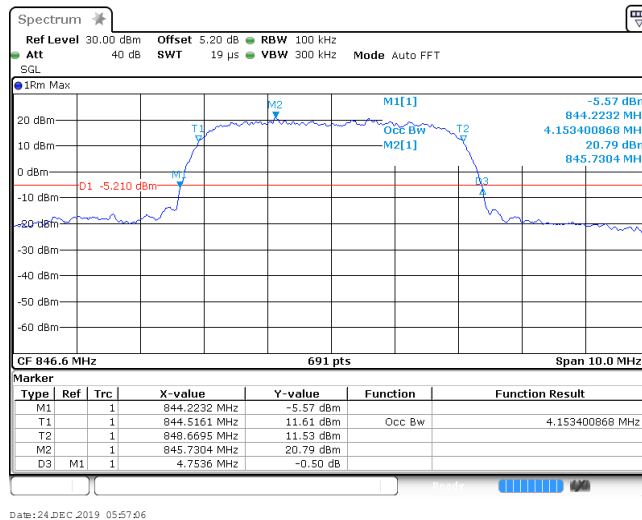
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Date: 24.DEC.2019 05:57:06

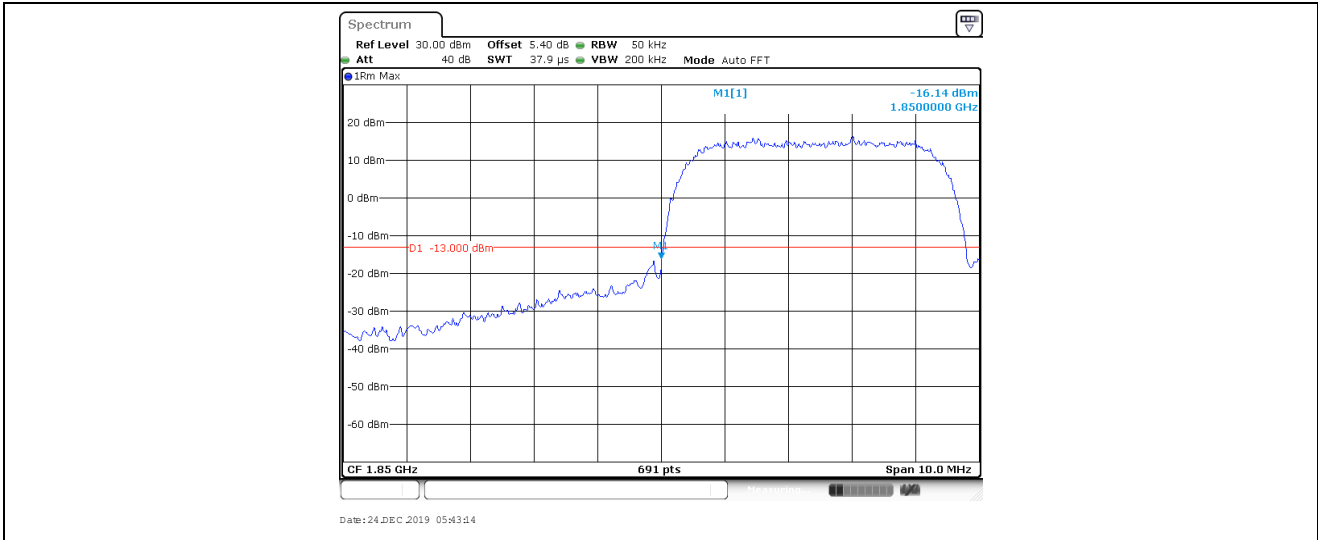
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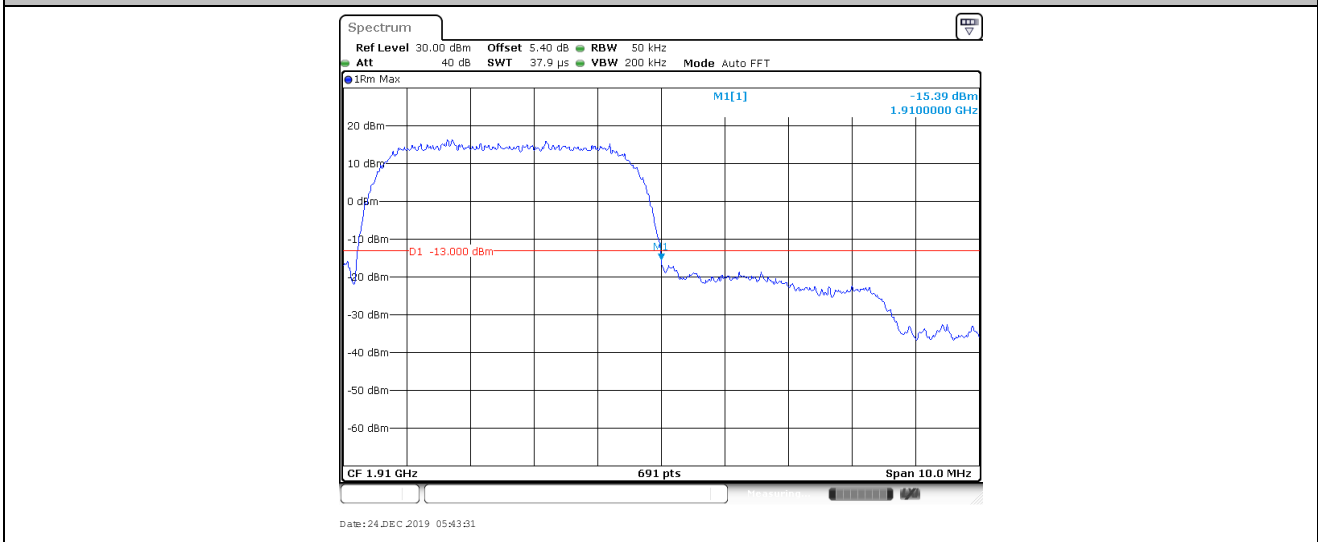
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## 5. Band Edge Compliance

### 5.1. Test Plots



Band II\_9262

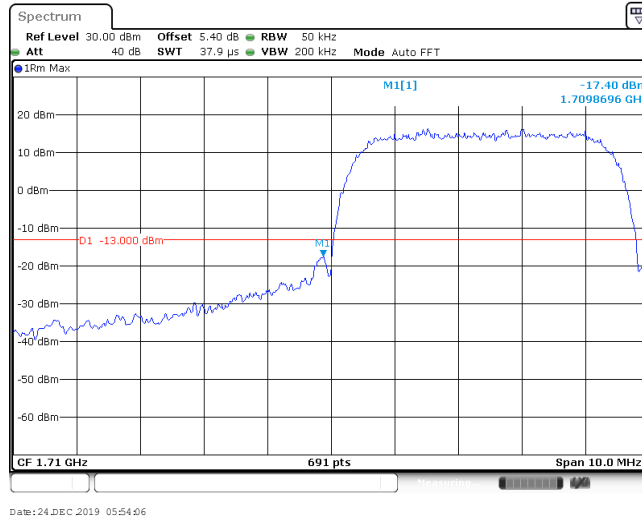


Band II\_9538

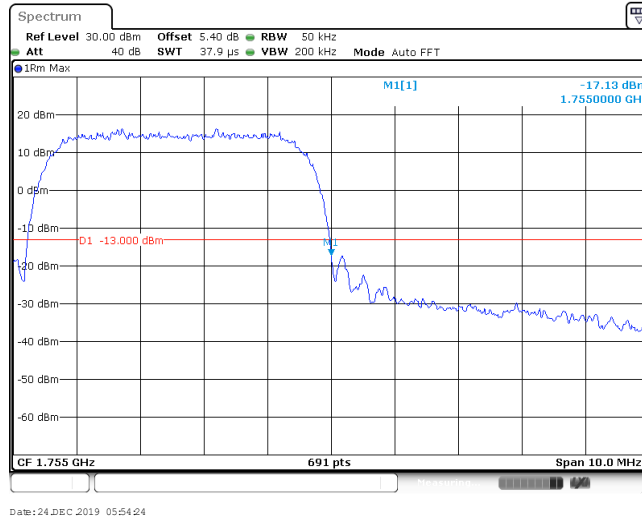


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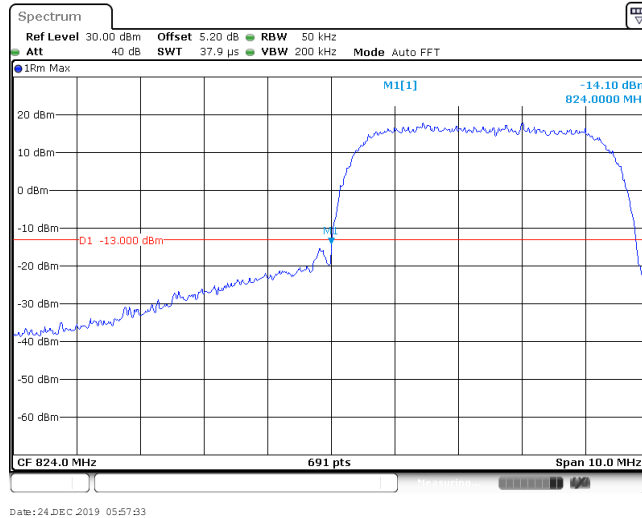
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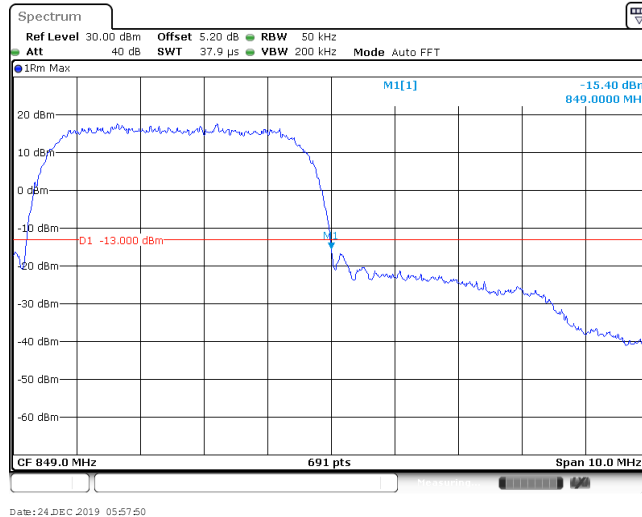
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**Band V\_4233**



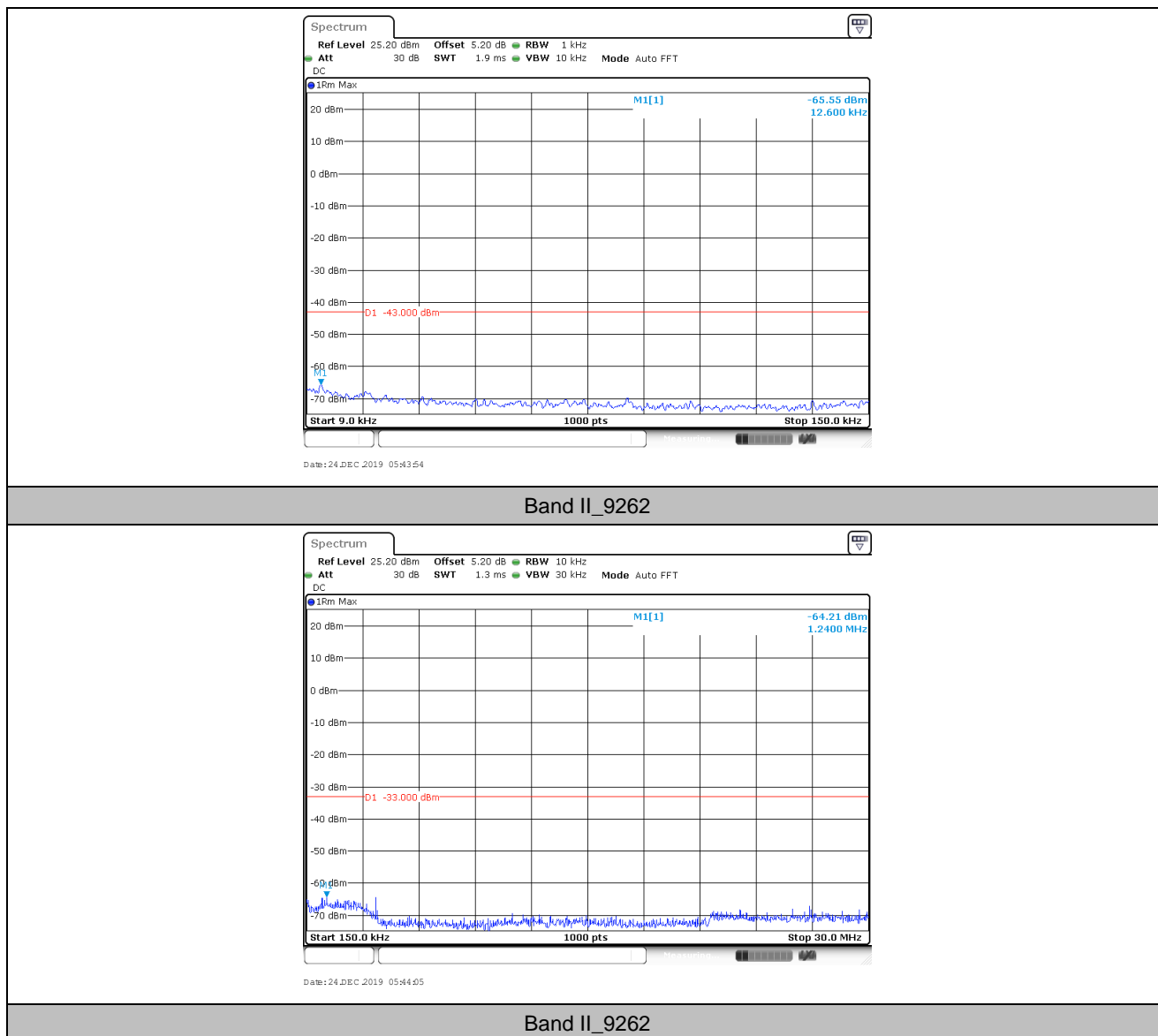
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## 6. Spurious Emission at Antenna Terminal

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.

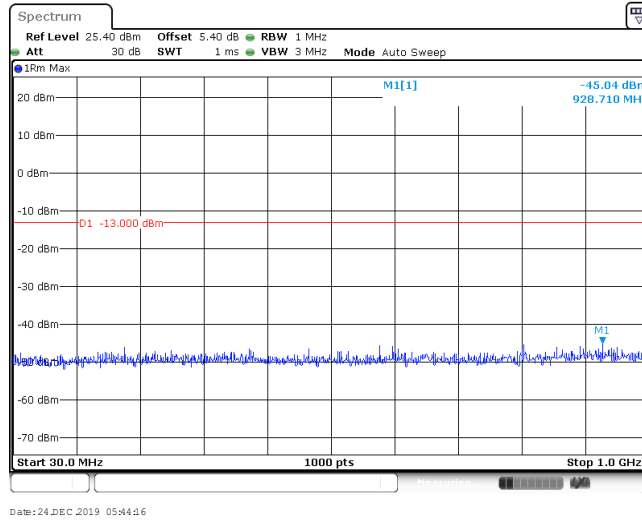
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

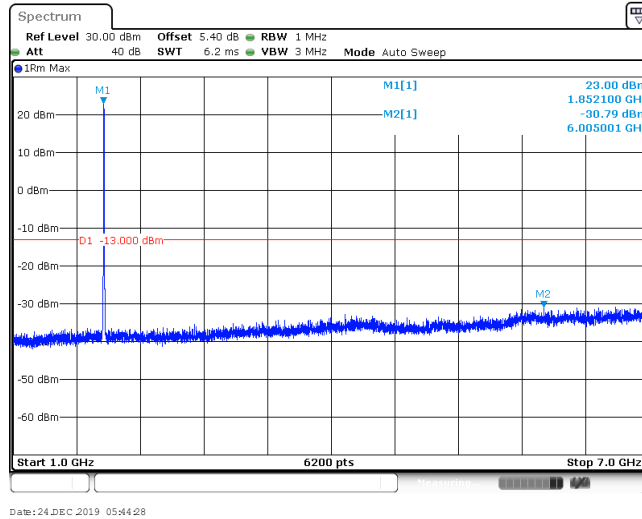


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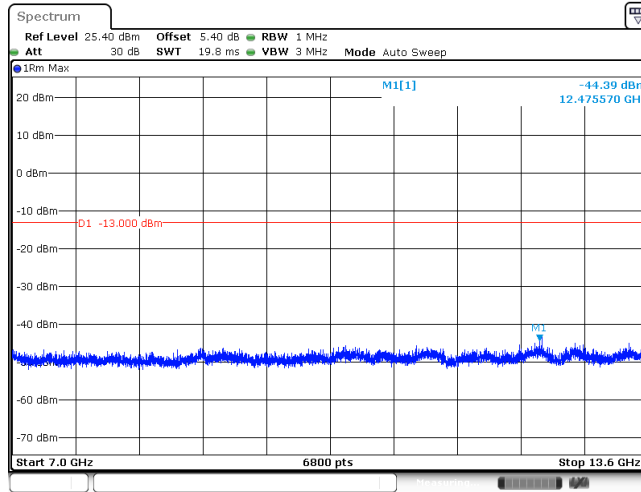


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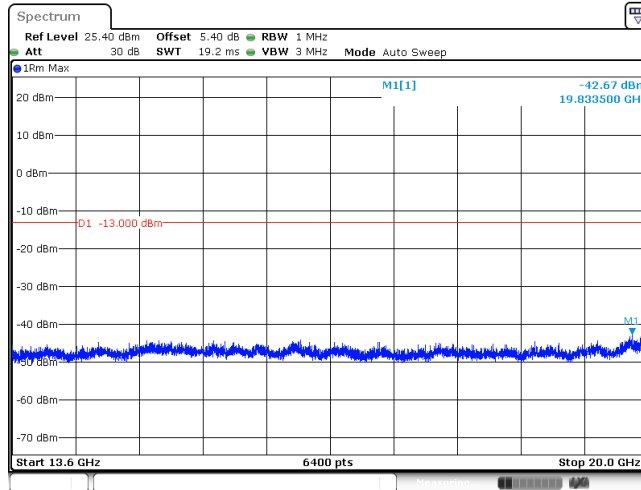
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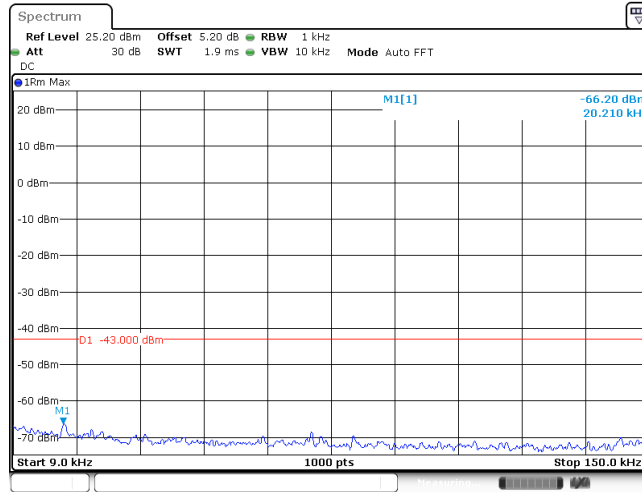
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**Band II\_9262**



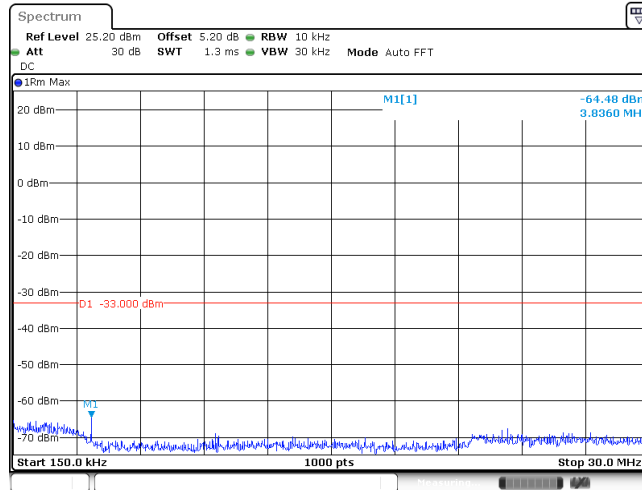
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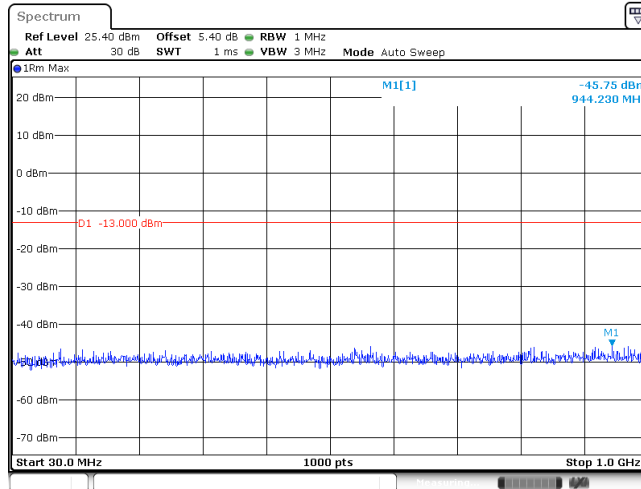


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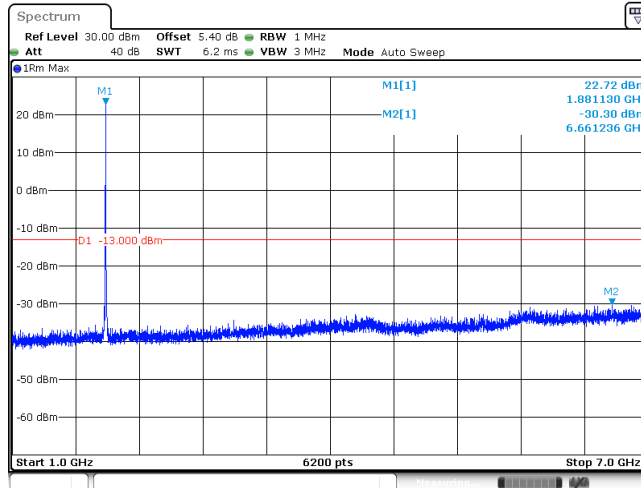
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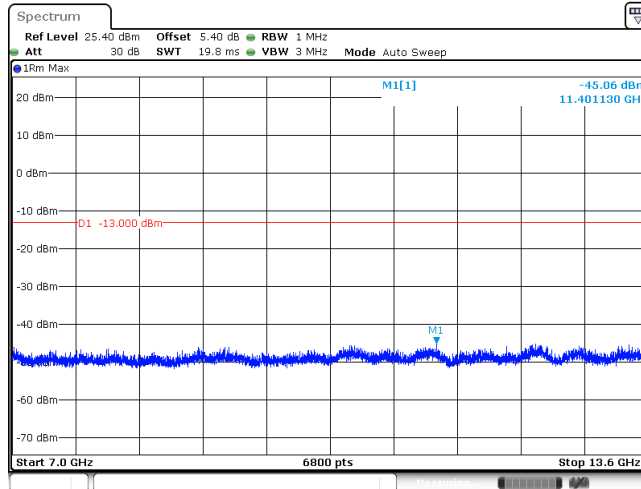
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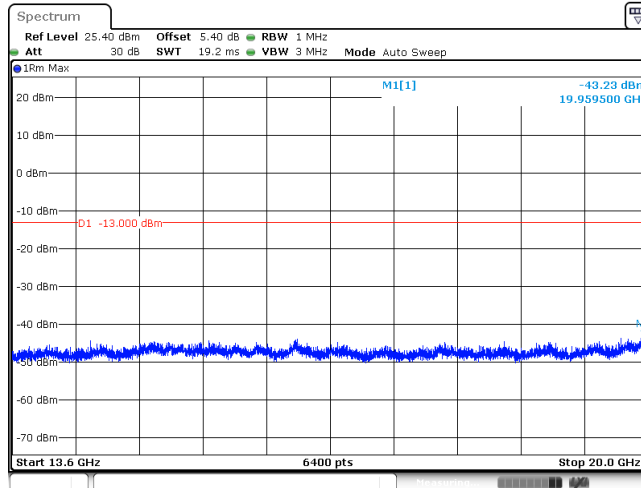
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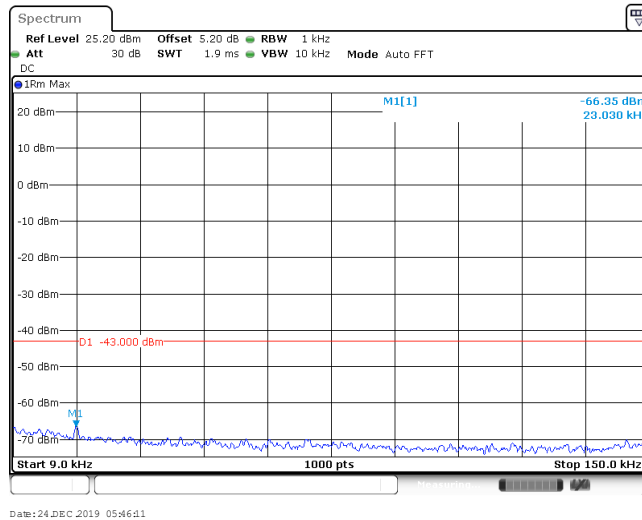
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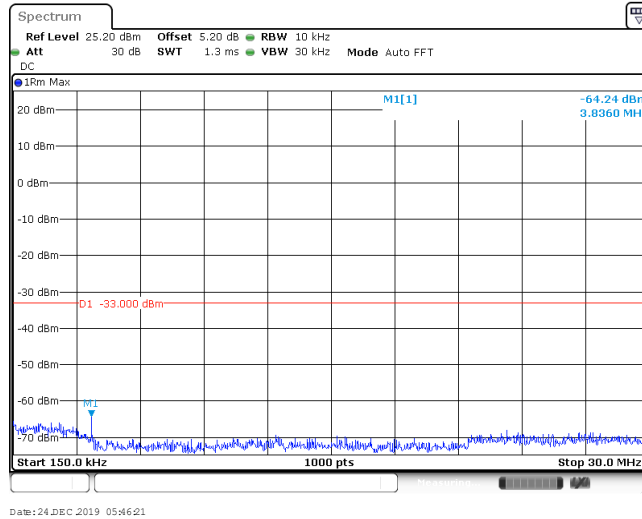
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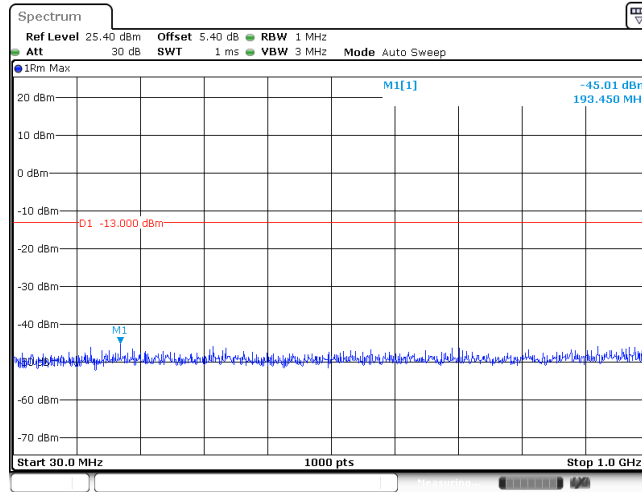
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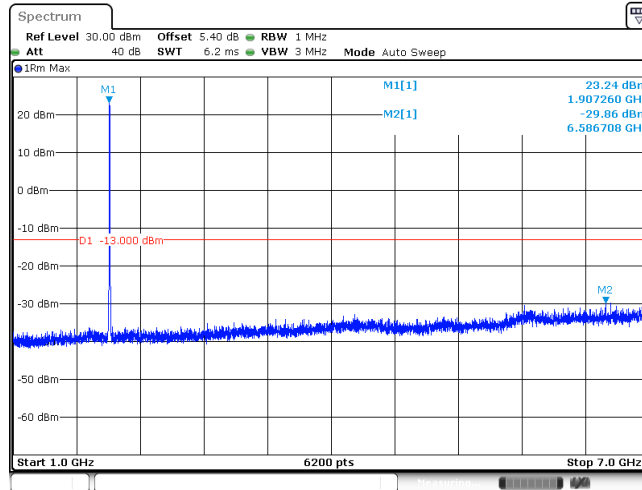


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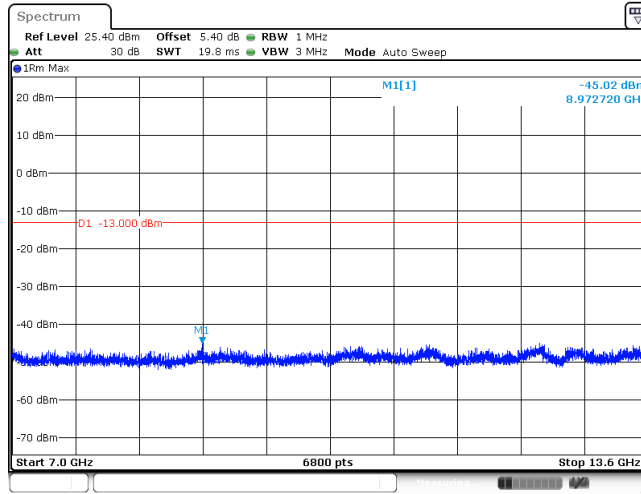
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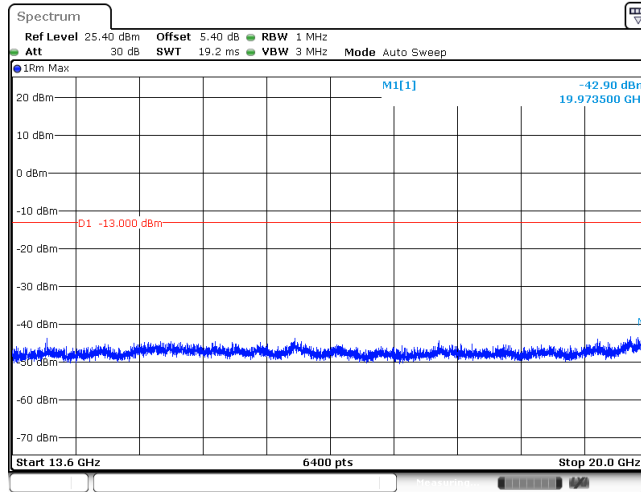
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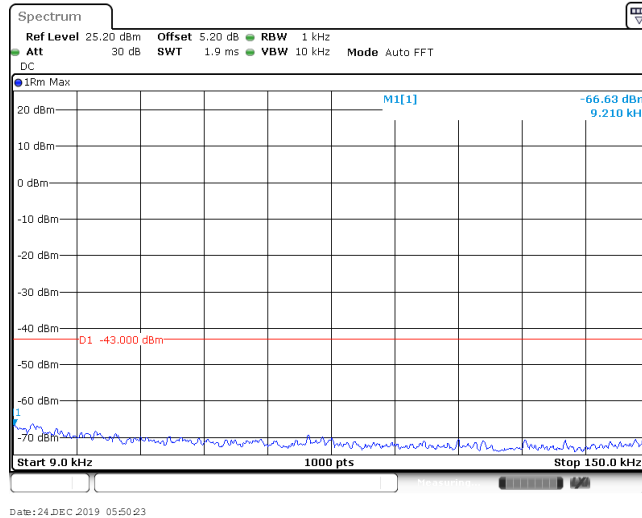
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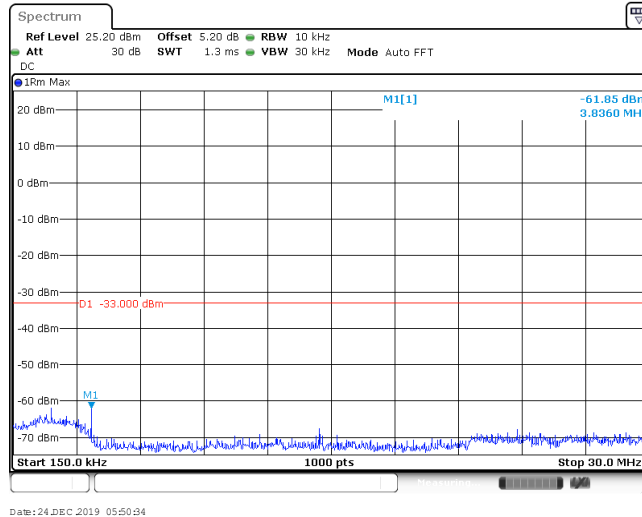


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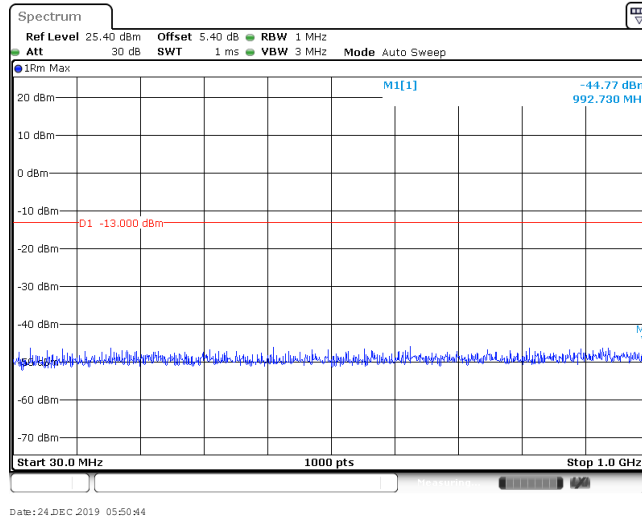
Band IV\_1312



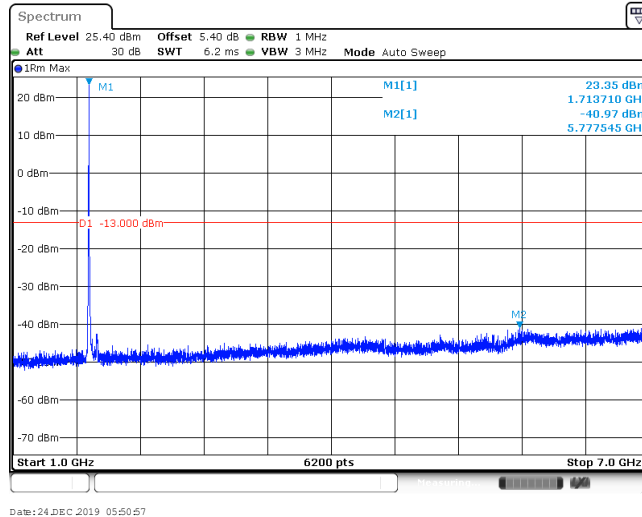
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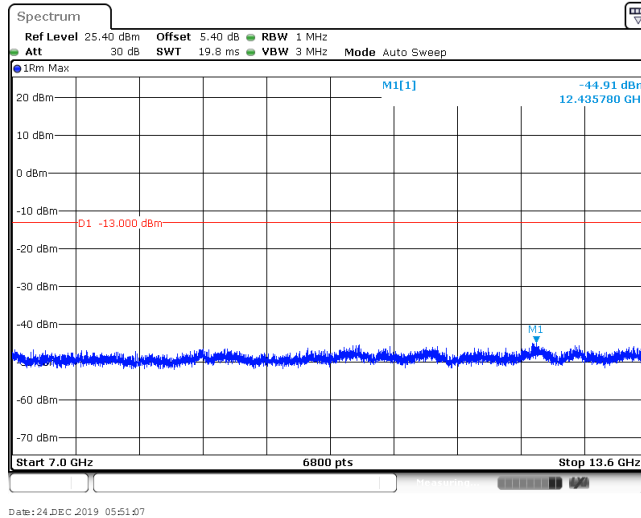


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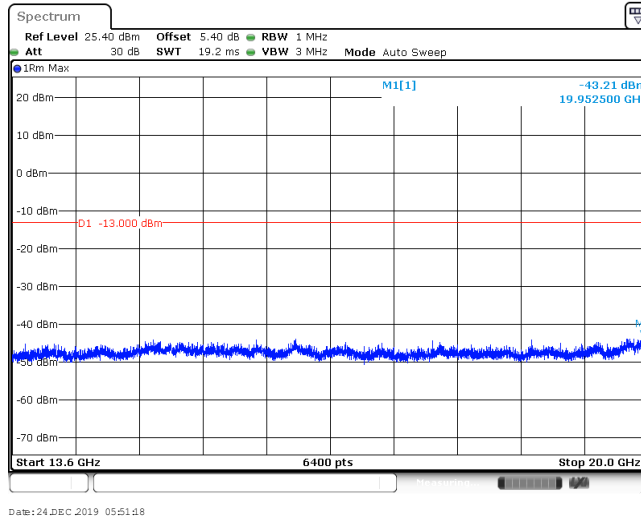


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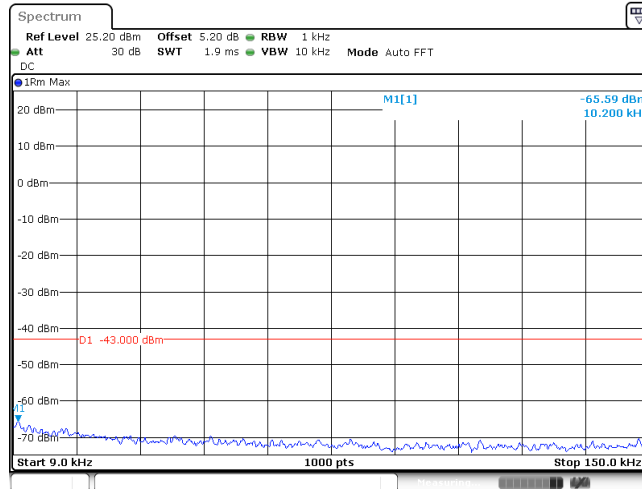


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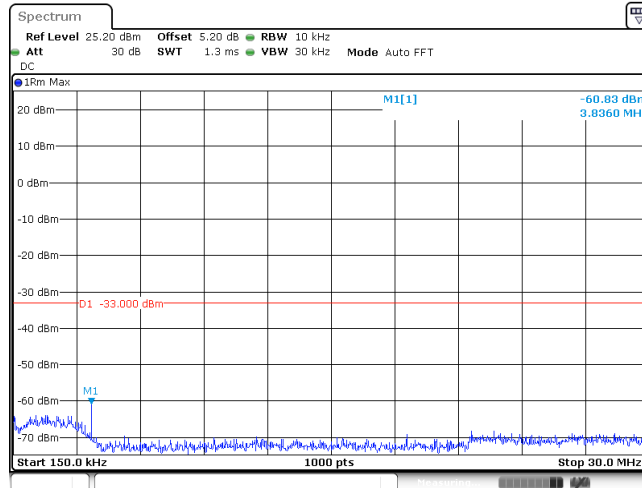
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Date: 24 DEC 2019 05:51:31

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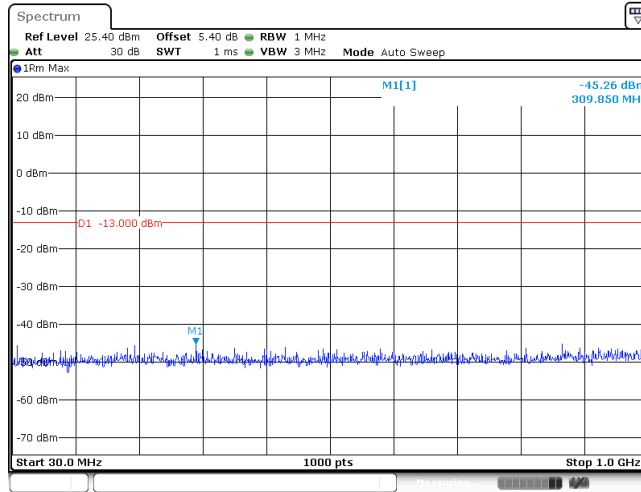
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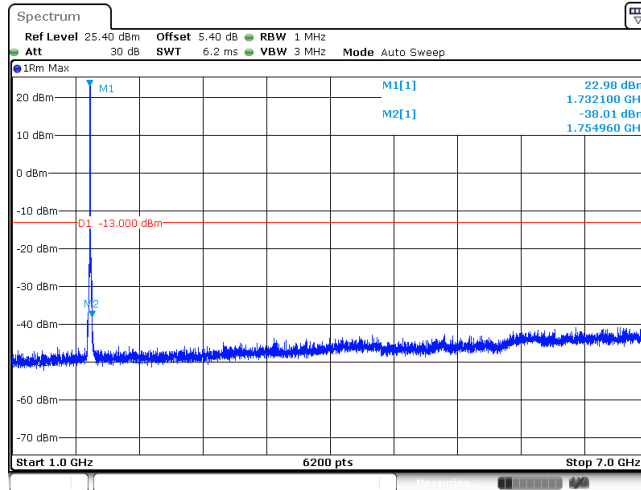
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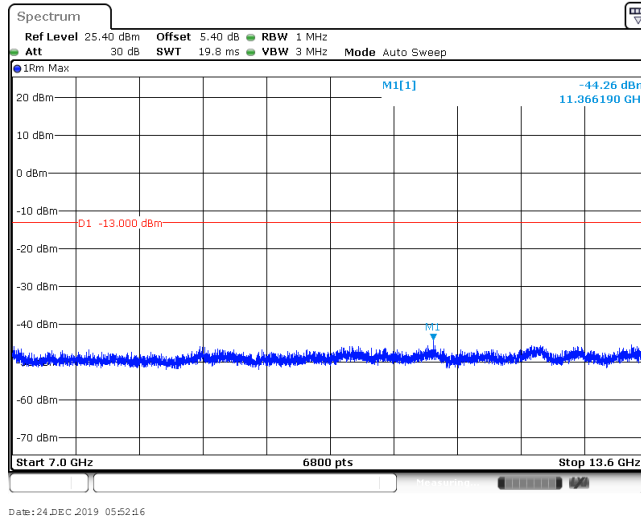


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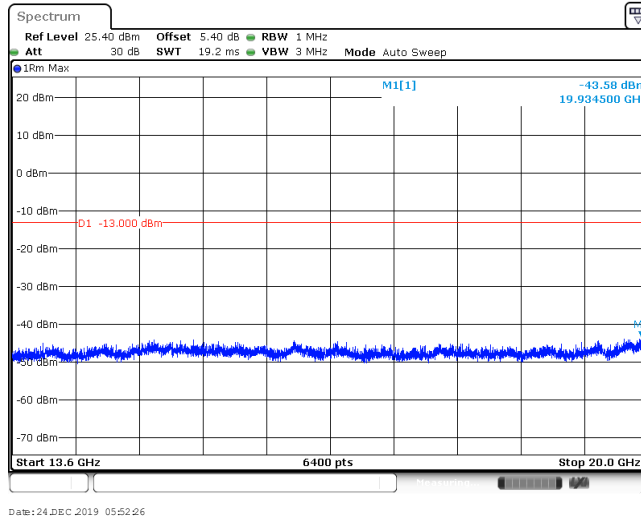
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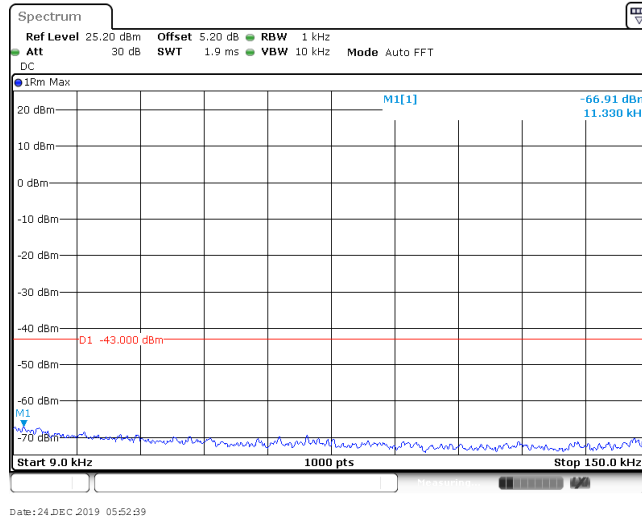


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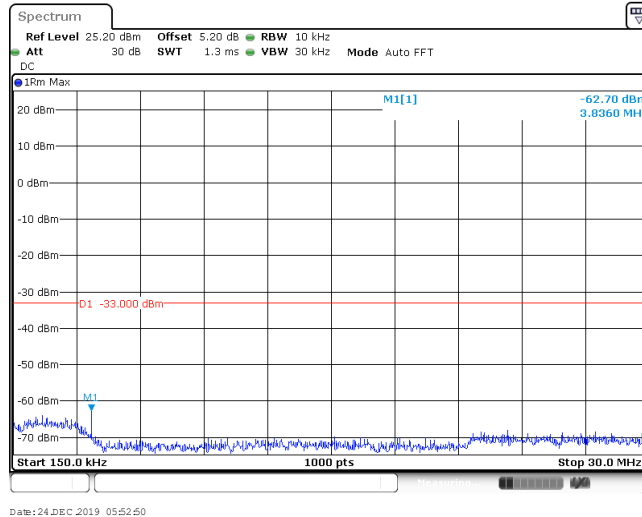


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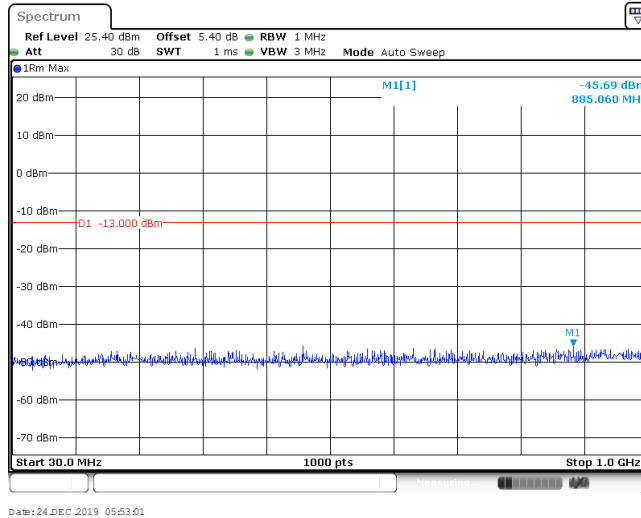
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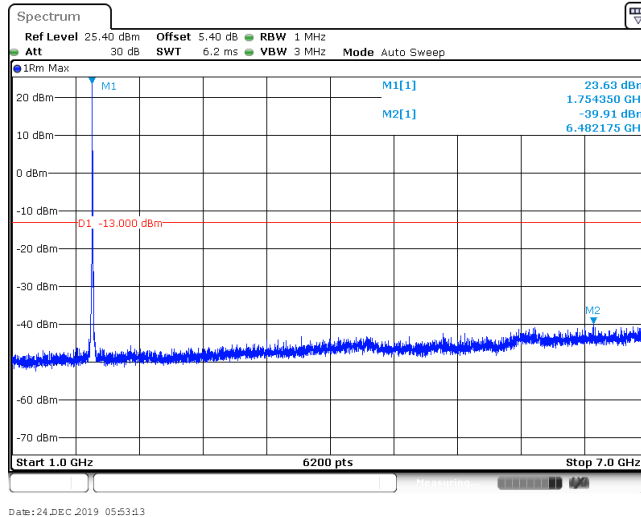
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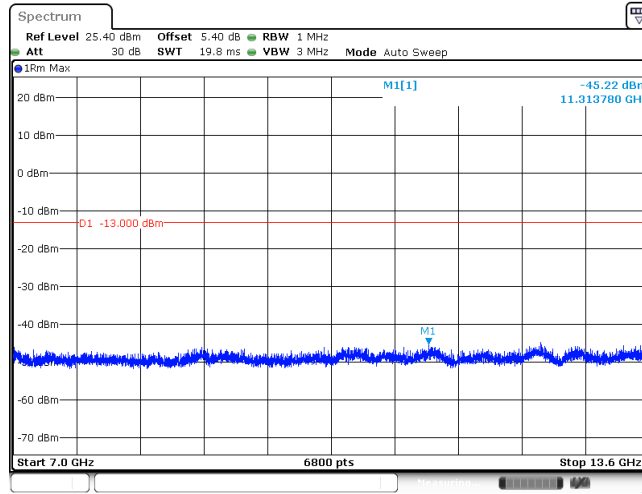


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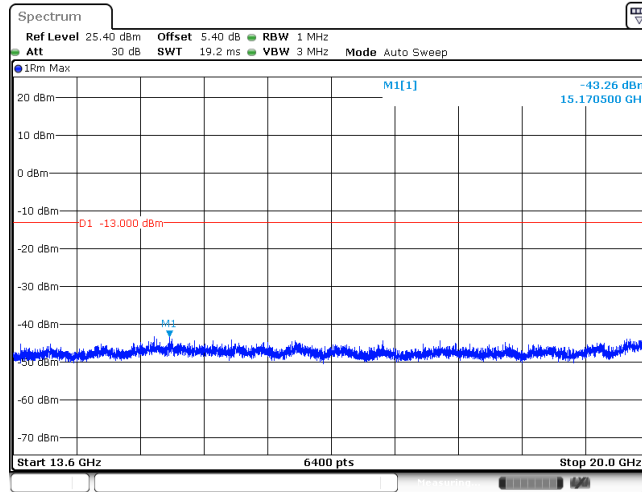


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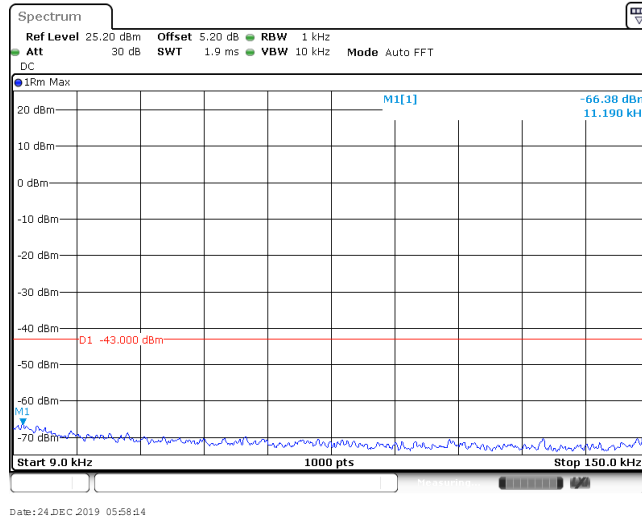


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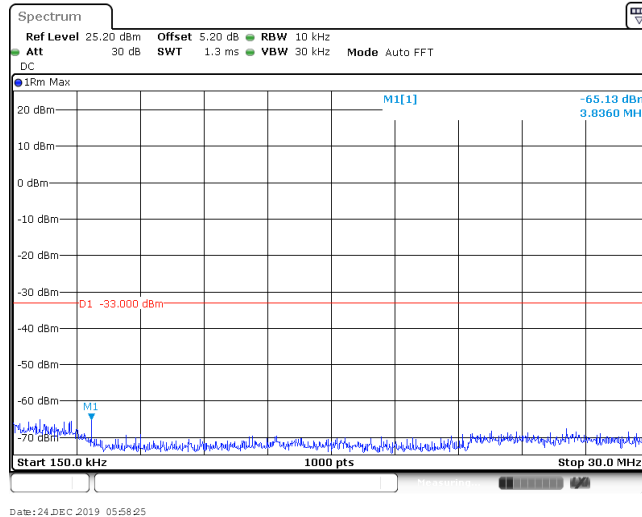


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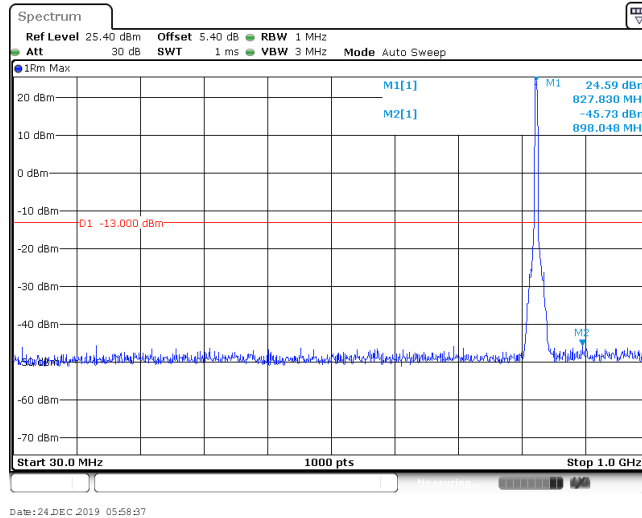
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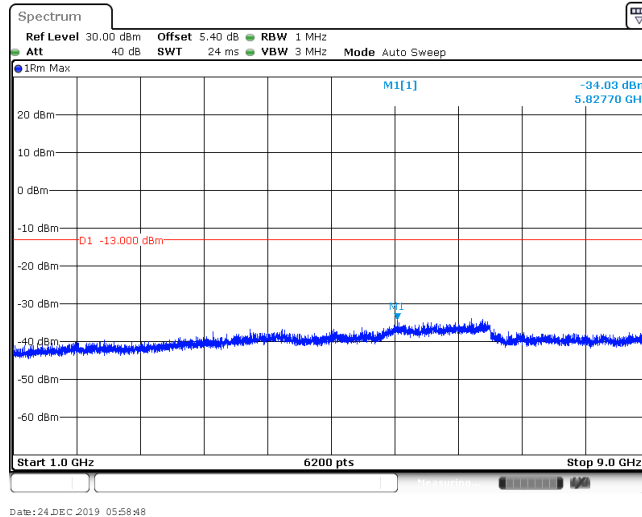
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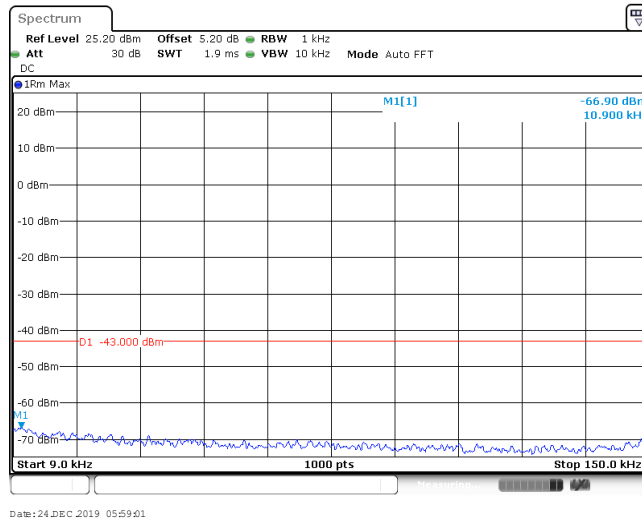


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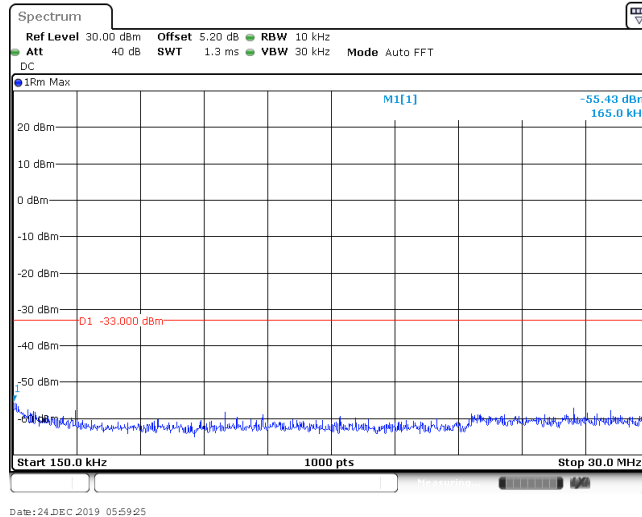


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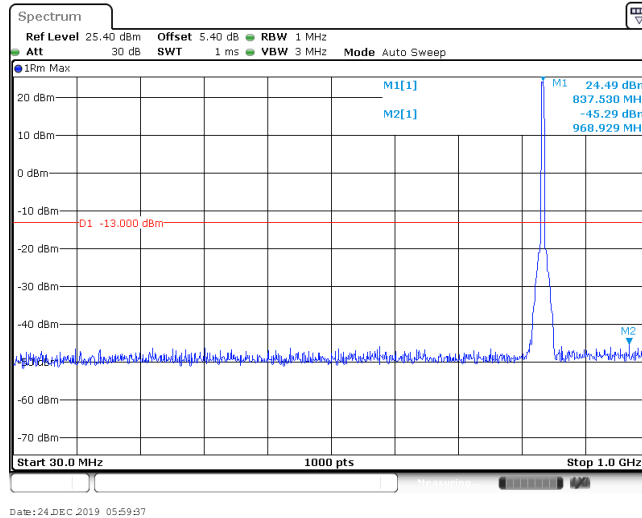


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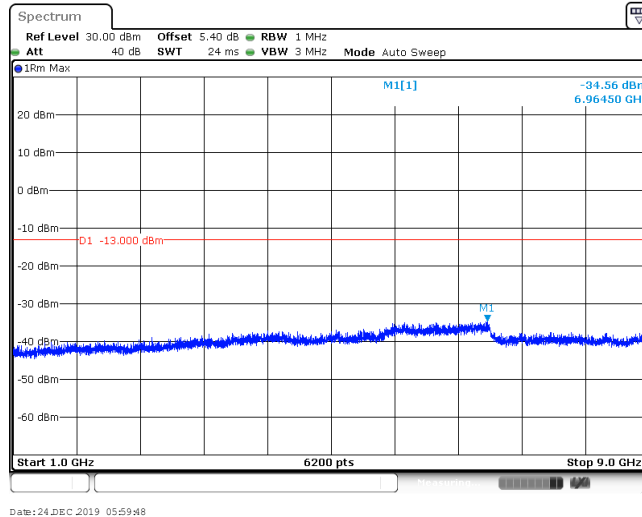


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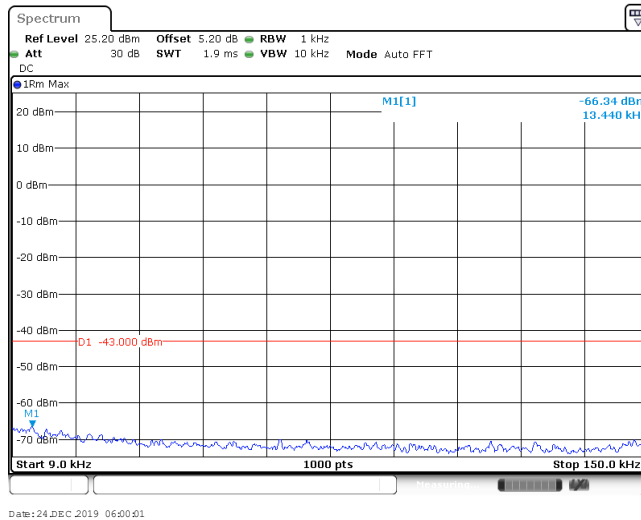


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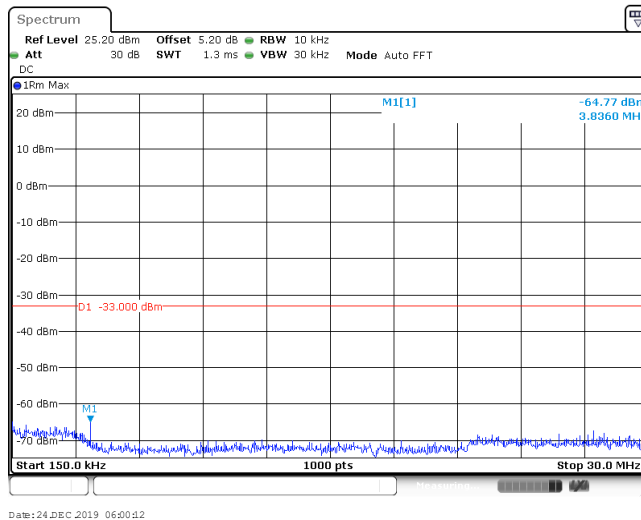


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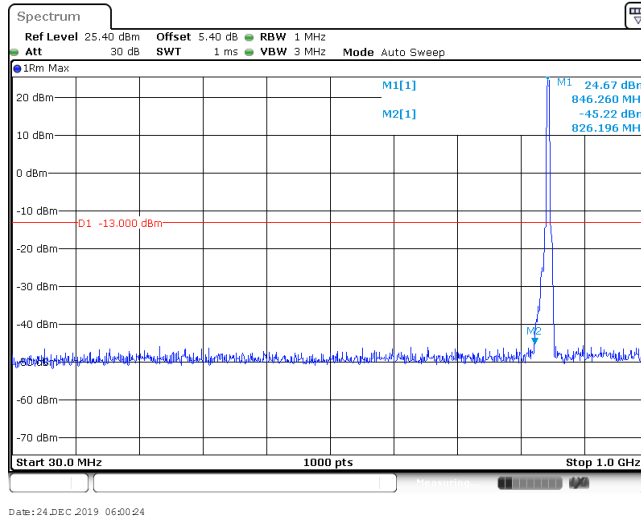


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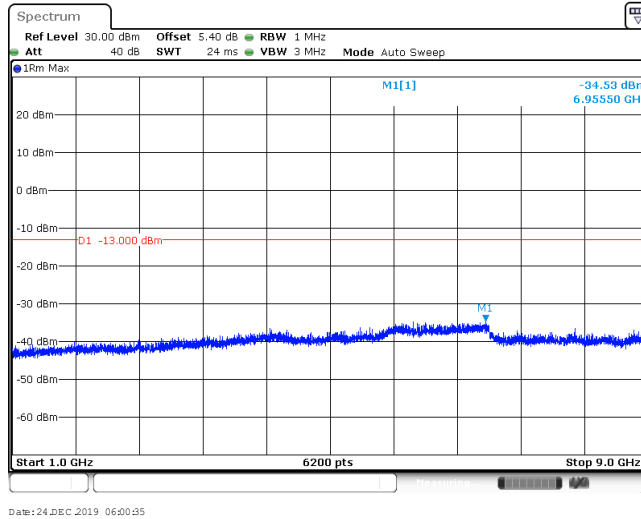


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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = WCDMA Band II

#### 7.1.1. Test Mode = LTE/TM1 (Ant2)

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.8835	-64.57	-13.00	51.57	Vertical
626.5313	-62.52	-13.00	49.52	Vertical
2683.9368	-36.39	-13.00	23.39	Vertical
7342.6448	-56.45	-13.00	43.45	Vertical
14518.3839	-48.33	-13.00	35.33	Vertical
17998.5000	-41.48	-13.00	28.48	Vertical
44.0657	-63.65	-13.00	50.65	Horizontal
230.0725	-67.79	-13.00	54.79	Horizontal
840.3300	-60.87	-13.00	47.87	Horizontal
2700.3401	-35.24	-13.00	22.24	Horizontal
7393.6465	-56.88	-13.00	43.88	Horizontal
16398.9466	-45.22	-13.00	32.22	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.5440	-64.55	-13.00	51.55	Vertical
597.3329	-63.58	-13.00	50.58	Vertical
2699.9400	-36.33	-13.00	23.33	Vertical
7322.1441	-56.24	-13.00	43.24	Vertical
14478.8826	-47.98	-13.00	34.98	Vertical
17997.9999	-40.41	-13.00	27.41	Vertical
42.9501	-62.90	-13.00	49.90	Horizontal
237.2994	-67.74	-13.00	54.74	Horizontal
883.9822	-59.75	-13.00	46.75	Horizontal
2701.9404	-35.09	-13.00	22.09	Horizontal
9305.2102	-52.53	-13.00	39.53	Horizontal
16397.4466	-44.48	-13.00	31.48	Horizontal



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**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.6781	-64.88	-13.00	51.88	Vertical
593.3072	-63.18	-13.00	50.18	Vertical
2704.3409	-36.42	-13.00	23.42	Vertical
7377.1459	-56.02	-13.00	43.02	Vertical
14481.3827	-47.98	-13.00	34.98	Vertical
17993.9998	-40.43	-13.00	27.43	Vertical
40.4280	-64.02	-13.00	51.02	Horizontal
247.5334	-68.23	-13.00	55.23	Horizontal
883.3517	-59.83	-13.00	46.83	Horizontal
2698.7397	-35.28	-13.00	22.28	Horizontal
9321.2107	-52.42	-13.00	39.42	Horizontal
16374.4458	-44.32	-13.00	31.32	Horizontal

**7.1.2. Test Mode = LTE/TM1 ( Ant3 )**

**7.1.2.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
107.2644	-64.17	-13.00	51.17	Vertical
748.1754	-61.53	-13.00	48.53	Vertical
2683.9368	-36.45	-13.00	23.45	Vertical
7468.6490	-54.85	-13.00	41.85	Vertical
14467.3822	-46.83	-13.00	33.83	Vertical
17998.5000	-38.34	-13.00	25.34	Vertical
41.2041	-64.23	-13.00	51.23	Horizontal
229.7815	-67.88	-13.00	54.88	Horizontal
861.3801	-60.10	-13.00	47.10	Horizontal
2696.7393	-35.24	-13.00	22.24	Horizontal
7380.1460	-55.38	-13.00	42.38	Horizontal
16413.9471	-42.58	-13.00	29.58	Horizontal



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**7.1.2.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.3015	-64.93	-13.00	51.93	Vertical
731.0056	-62.39	-13.00	49.39	Vertical
2703.1406	-36.41	-13.00	23.41	Vertical
7419.1473	-55.00	-13.00	42.00	Vertical
14458.8820	-46.84	-13.00	33.84	Vertical
17996.9999	-38.58	-13.00	25.58	Vertical
44.9872	-64.25	-13.00	51.25	Horizontal
227.3564	-68.23	-13.00	55.23	Horizontal
836.5953	-61.03	-13.00	48.03	Horizontal
2700.7401	-35.27	-13.00	22.27	Horizontal
7468.1489	-55.24	-13.00	42.24	Horizontal
16391.4464	-42.01	-13.00	29.01	Horizontal

**7.1.2.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
107.5069	-64.67	-13.00	51.67	Vertical
767.4309	-61.71	-13.00	48.71	Vertical
2695.5391	-36.41	-13.00	23.41	Vertical
7342.1447	-54.10	-13.00	41.10	Vertical
14685.8895	-46.32	-13.00	33.32	Vertical
17824.9942	-41.65	-13.00	28.65	Vertical
44.1142	-64.92	-13.00	51.92	Horizontal
236.0383	-67.26	-13.00	54.26	Horizontal
856.1903	-60.91	-13.00	47.91	Horizontal
2697.5395	-35.30	-13.00	22.30	Horizontal
7459.1486	-55.44	-13.00	42.44	Horizontal
17023.9675	-43.85	-13.00	30.85	Horizontal



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## 7.2. Test Band = WCDMA Band IV

### 7.2.1. Test Mode = LTE/TM1 (Ant2)

#### 7.2.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
106.4883	-64.66	-13.00	51.66	Vertical
683.5702	-63.39	-13.00	50.39	Vertical
2705.1410	-36.20	-13.00	23.20	Vertical
7348.6450	-55.91	-13.00	42.91	Vertical
14677.3892	-47.55	-13.00	34.55	Vertical
17997.4999	-40.76	-13.00	27.76	Vertical
43.6777	-63.63	-13.00	50.63	Horizontal
234.8257	-67.46	-13.00	54.46	Horizontal
754.6262	-61.10	-13.00	48.10	Horizontal
2690.7381	-35.02	-13.00	22.02	Horizontal
7459.1486	-56.24	-13.00	43.24	Horizontal
16385.9462	-44.25	-13.00	31.25	Horizontal

#### 7.2.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
105.5183	-64.86	-13.00	51.86	Vertical
779.6535	-61.65	-13.00	48.65	Vertical
2701.5403	-36.34	-13.00	23.34	Vertical
7378.1459	-55.91	-13.00	42.91	Vertical
14485.3828	-47.66	-13.00	34.66	Vertical
17999.0000	-40.33	-13.00	27.33	Vertical
42.4651	-63.96	-13.00	50.96	Horizontal
241.5191	-68.03	-13.00	55.03	Horizontal
882.9636	-60.16	-13.00	47.16	Horizontal
2699.5399	-35.30	-13.00	22.30	Horizontal
9311.2104	-52.45	-13.00	39.45	Horizontal
16392.9464	-43.89	-13.00	30.89	Horizontal



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**7.2.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.0661	-63.70	-13.00	50.70	Vertical
596.6538	-63.41	-13.00	50.41	Vertical
2696.3393	-36.41	-13.00	23.41	Vertical
7360.1453	-55.95	-13.00	42.95	Vertical
14700.3900	-47.54	-13.00	34.54	Vertical
17993.4998	-40.31	-13.00	27.31	Vertical
45.0843	-64.19	-13.00	51.19	Horizontal
242.6831	-68.05	-13.00	55.05	Horizontal
674.1607	-61.81	-13.00	48.81	Horizontal
2702.7405	-35.19	-13.00	22.19	Horizontal
9358.2119	-52.28	-13.00	39.28	Horizontal
16388.4463	-43.98	-13.00	30.98	Horizontal

**7.2.2. Test Mode =LTE/TM1 ( Ant3 )**

**7.2.2.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.1745	-65.33	-13.00	52.33	Vertical
675.9553	-63.67	-13.00	50.67	Vertical
2697.9396	-36.17	-13.00	23.17	Vertical
5134.0711	-54.26	-13.00	41.26	Vertical
14519.8840	-46.59	-13.00	33.59	Vertical
17997.4999	-38.48	-13.00	25.48	Vertical
41.0586	-64.61	-13.00	51.61	Horizontal
233.4677	-67.48	-13.00	54.48	Horizontal
891.7426	-59.48	-13.00	46.48	Horizontal
2699.1398	-35.20	-13.00	22.20	Horizontal
5137.5713	-52.77	-13.00	39.77	Horizontal
16399.4466	-42.67	-13.00	29.67	Horizontal



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**7.2.2.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.8906	-63.58	-13.00	50.58	Vertical
714.9998	-61.52	-13.00	48.52	Vertical
2709.9420	-35.65	-13.00	22.65	Vertical
5200.5734	-52.55	-13.00	39.55	Vertical
14483.3828	-47.51	-13.00	34.51	Vertical
17994.4998	-40.09	-13.00	27.09	Vertical
45.0358	-63.59	-13.00	50.59	Horizontal
232.4491	-66.62	-13.00	53.62	Horizontal
862.8351	-58.19	-13.00	45.19	Horizontal
2705.1410	-34.40	-13.00	21.40	Horizontal
5201.0734	-50.11	-13.00	37.11	Horizontal
16378.9460	-43.76	-13.00	30.76	Horizontal

**7.2.2.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
114.2002	-63.05	-13.00	50.05	Vertical
696.9083	-62.08	-13.00	49.08	Vertical
2689.9380	-35.92	-13.00	22.92	Vertical
5261.0754	-51.45	-13.00	38.45	Vertical
14497.8833	-47.60	-13.00	34.60	Vertical
17999.5000	-40.64	-13.00	27.64	Vertical
43.9687	-62.82	-13.00	49.82	Horizontal
236.9598	-67.42	-13.00	54.42	Horizontal
2703.1406	-34.64	-13.00	21.64	Horizontal
5260.5754	-50.78	-13.00	37.78	Horizontal
10607.7536	-52.37	-13.00	39.37	Horizontal
16391.9464	-44.24	-13.00	31.24	Horizontal



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**Test Band = WCDMA Band V**

**7.2.3. Test Mode =LTE/TM1 (Ant0)**

**7.2.3.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.3985	-64.61	-13.00	51.61	Vertical
624.2517	-63.41	-13.00	50.41	Vertical
2689.9380	-56.38	-13.00	43.38	Vertical
8613.1871	-55.56	-13.00	42.56	Vertical
14490.8830	-48.23	-13.00	35.23	Vertical
17999.5000	-40.71	-13.00	27.71	Vertical
44.5507	-64.02	-13.00	51.02	Horizontal
228.9569	-68.38	-13.00	55.38	Horizontal
643.0222	-63.56	-13.00	50.56	Horizontal
2694.7389	-55.16	-13.00	42.16	Horizontal
9300.7100	-52.93	-13.00	39.93	Horizontal
16382.9461	-44.02	-13.00	31.02	Horizontal

**7.2.3.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.3985	-63.65	-13.00	50.65	Vertical
580.1145	-64.22	-13.00	51.22	Vertical
2701.5403	-56.41	-13.00	43.41	Vertical
7355.1452	-56.69	-13.00	43.69	Vertical
14462.8821	-48.84	-13.00	35.84	Vertical
17997.9999	-42.46	-13.00	29.46	Vertical
39.5550	-64.53	-13.00	51.53	Horizontal
236.1353	-68.03	-13.00	55.03	Horizontal
729.4050	-62.30	-13.00	49.30	Horizontal
2699.5399	-55.07	-13.00	42.07	Horizontal
9982.2327	-53.35	-13.00	40.35	Horizontal
16381.9461	-45.00	-13.00	32.00	Horizontal



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**7.2.3.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.5140	-64.07	-13.00	51.07	Vertical
460.5560	-65.97	-13.00	52.97	Vertical
2701.1402	-56.39	-13.00	43.39	Vertical
7382.1461	-56.82	-13.00	43.82	Vertical
14481.8827	-49.78	-13.00	36.78	Vertical
17995.9999	-44.57	-13.00	31.57	Vertical
42.8531	-63.97	-13.00	50.97	Horizontal
241.9556	-67.77	-13.00	54.77	Horizontal
666.2548	-62.06	-13.00	49.06	Horizontal
2701.1402	-55.27	-13.00	42.27	Horizontal
7474.1491	-57.18	-13.00	44.18	Horizontal
16392.4464	-46.46	-13.00	33.46	Horizontal

**7.2.4. Test Mode =LTE/TM1 ( Ant1 )**

**7.2.4.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.8050	-64.63	-13.00	51.63	Vertical
624.3002	-62.38	-13.00	49.38	Vertical
1654.5309	-63.32	-13.00	50.32	Vertical
2993.9988	-54.82	-13.00	41.82	Vertical
14467.8823	-48.04	-13.00	35.04	Vertical
17996.9999	-41.00	-13.00	28.00	Vertical
40.9130	-63.21	-13.00	50.21	Horizontal
231.0426	-67.47	-13.00	54.47	Horizontal
1650.5301	-62.61	-13.00	49.61	Horizontal
2700.7401	-54.57	-13.00	41.57	Horizontal
7433.6478	-56.14	-13.00	43.14	Horizontal
16385.9462	-44.22	-13.00	31.22	Horizontal



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**7.2.4.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.6296	-63.78	-13.00	50.78	Vertical
615.5698	-63.80	-13.00	50.80	Vertical
2419.0838	-57.26	-13.00	44.26	Vertical
7377.6459	-56.15	-13.00	43.15	Vertical
14701.3900	-48.00	-13.00	35.00	Vertical
17999.0000	-41.82	-13.00	28.82	Vertical
40.7190	-64.11	-13.00	51.11	Horizontal
239.9670	-67.31	-13.00	54.31	Horizontal
1670.5341	-63.75	-13.00	50.75	Horizontal
2702.3405	-54.75	-13.00	41.75	Horizontal
7449.6483	-56.72	-13.00	43.72	Horizontal
16383.9461	-44.84	-13.00	31.84	Horizontal

**7.2.4.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
116.6738	-64.48	-13.00	51.48	Vertical
629.3930	-64.03	-13.00	51.03	Vertical
2458.6917	-56.33	-13.00	43.33	Vertical
7371.1457	-56.78	-13.00	43.78	Vertical
14497.8833	-48.79	-13.00	35.79	Vertical
17994.9998	-42.29	-13.00	29.29	Vertical
40.8160	-62.32	-13.00	49.32	Horizontal
250.0070	-67.54	-13.00	54.54	Horizontal
623.6697	-62.82	-13.00	49.82	Horizontal
2699.5399	-54.84	-13.00	41.84	Horizontal
7996.6666	-56.16	-13.00	43.16	Horizontal
16376.9459	-45.24	-13.00	32.24	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	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VL	TN	11.69	0.006309	±2.5	PASS
Band II	9262	VN	TN	11.31	0.006105	±2.5	PASS
Band II	9262	VH	TN	11.49	0.006205	±2.5	PASS
Band II	9400	VL	TN	12.16	0.006468	±2.5	PASS
Band II	9400	VN	TN	12.67	0.006742	±2.5	PASS
Band II	9400	VH	TN	11.86	0.006308	±2.5	PASS
Band II	9538	VL	TN	8.13	0.004259	±2.5	PASS
Band II	9538	VN	TN	8.95	0.004691	±2.5	PASS
Band II	9538	VH	TN	9.39	0.004923	±2.5	PASS
Band IV	1312	VL	TN	3.06	0.001788	±2.5	PASS
Band IV	1312	VN	TN	6.27	0.003659	±2.5	PASS
Band IV	1312	VH	TN	3.88	0.002264	±2.5	PASS
Band IV	1413	VL	TN	5.61	0.003241	±2.5	PASS
Band IV	1413	VN	TN	5.38	0.003104	±2.5	PASS
Band IV	1413	VH	TN	6.33	0.003653	±2.5	PASS
Band IV	1513	VL	TN	1.75	0.001000	±2.5	PASS
Band IV	1513	VN	TN	2.61	0.001490	±2.5	PASS
Band IV	1513	VH	TN	2.22	0.001265	±2.5	PASS
Band V	4132	VL	TN	-0.69	-0.000831	±2.5	PASS
Band V	4132	VN	TN	-1.58	-0.001913	±2.5	PASS
Band V	4132	VH	TN	-0.21	-0.000260	±2.5	PASS
Band V	4182	VL	TN	-0.11	-0.000128	±2.5	PASS
Band V	4182	VN	TN	-0.34	-0.000402	±2.5	PASS
Band V	4182	VH	TN	-0.21	-0.000248	±2.5	PASS
Band V	4233	VL	TN	-0.36	-0.000431	±2.5	PASS
Band V	4233	VN	TN	0.05	0.000059	±2.5	PASS
Band V	4233	VH	TN	-1.04	-0.001233	±2.5	PASS

### 8.2. Frequency Vs Temperature

Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	9.78	0.005282	±2.5	PASS
Band II	9262	VN	-20	11.94	0.006444	±2.5	PASS
Band II	9262	VN	-10	11.77	0.006356	±2.5	PASS
Band II	9262	VN	0	12.59	0.006796	±2.5	PASS
Band II	9262	VN	10	9.27	0.005004	±2.5	PASS
Band II	9262	VN	20	11.71	0.006321	±2.5	PASS
Band II	9262	VN	30	11.30	0.006101	±2.5	PASS



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Band II	9262	VN	40	11.22	0.006058	±2.5	PASS
Band II	9262	VN	50	11.42	0.006166	±2.5	PASS
Band II	9400	VN	-30	11.54	0.006141	±2.5	PASS
Band II	9400	VN	-20	12.84	0.006829	±2.5	PASS
Band II	9400	VN	-10	11.89	0.006327	±2.5	PASS
Band II	9400	VN	0	11.17	0.005943	±2.5	PASS
Band II	9400	VN	10	11.06	0.005882	±2.5	PASS
Band II	9400	VN	20	13.04	0.006936	±2.5	PASS
Band II	9400	VN	30	12.39	0.006589	±2.5	PASS
Band II	9400	VN	40	11.82	0.006289	±2.5	PASS
Band II	9400	VN	50	11.87	0.006316	±2.5	PASS
Band II	9538	VN	-30	9.93	0.005208	±2.5	PASS
Band II	9538	VN	-20	8.03	0.004207	±2.5	PASS
Band II	9538	VN	-10	10.59	0.005553	±2.5	PASS
Band II	9538	VN	0	9.58	0.005021	±2.5	PASS
Band II	9538	VN	10	9.51	0.004987	±2.5	PASS
Band II	9538	VN	20	10.01	0.005246	±2.5	PASS
Band II	9538	VN	30	9.03	0.004732	±2.5	PASS
Band II	9538	VN	40	9.52	0.004991	±2.5	PASS
Band II	9538	VN	50	9.58	0.005021	±2.5	PASS
Band IV	1312	VN	-30	2.77	0.001616	±2.5	PASS
Band IV	1312	VN	-20	6.12	0.003571	±2.5	PASS
Band IV	1312	VN	-10	5.29	0.003091	±2.5	PASS
Band IV	1312	VN	0	5.49	0.003204	±2.5	PASS
Band IV	1312	VN	10	7.41	0.004327	±2.5	PASS
Band IV	1312	VN	20	4.49	0.002623	±2.5	PASS
Band IV	1312	VN	30	6.08	0.003550	±2.5	PASS
Band IV	1312	VN	40	4.29	0.002506	±2.5	PASS
Band IV	1312	VN	50	5.16	0.003012	±2.5	PASS
Band IV	1413	VN	-30	5.02	0.002898	±2.5	PASS
Band IV	1413	VN	-20	5.87	0.003389	±2.5	PASS
Band IV	1413	VN	-10	6.26	0.003612	±2.5	PASS
Band IV	1413	VN	0	5.14	0.002968	±2.5	PASS
Band IV	1413	VN	10	5.14	0.002964	±2.5	PASS
Band IV	1413	VN	20	6.32	0.003645	±2.5	PASS
Band IV	1413	VN	30	6.59	0.003806	±2.5	PASS
Band IV	1413	VN	40	5.74	0.003315	±2.5	PASS
Band IV	1413	VN	50	6.07	0.003501	±2.5	PASS
Band IV	1513	VN	-30	1.30	0.000743	±2.5	PASS
Band IV	1513	VN	-20	1.55	0.000886	±2.5	PASS
Band IV	1513	VN	-10	1.42	0.000808	±2.5	PASS
Band IV	1513	VN	0	1.34	0.000767	±2.5	PASS
Band IV	1513	VN	10	2.17	0.001241	±2.5	PASS
Band IV	1513	VN	20	1.83	0.001045	±2.5	PASS
Band IV	1513	VN	30	1.26	0.000718	±2.5	PASS
Band IV	1513	VN	40	0.89	0.000510	±2.5	PASS
Band IV	1513	VN	50	1.75	0.000996	±2.5	PASS



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Band V	4132	VN	-30	-0.06	-0.000078	±2.5	PASS
Band V	4132	VN	-20	-0.63	-0.000762	±2.5	PASS
Band V	4132	VN	-10	0.01	0.000009	±2.5	PASS
Band V	4132	VN	0	-0.21	-0.000251	±2.5	PASS
Band V	4132	VN	10	-1.04	-0.001255	±2.5	PASS
Band V	4132	VN	20	-0.71	-0.000857	±2.5	PASS
Band V	4132	VN	30	0.06	0.000069	±2.5	PASS
Band V	4132	VN	40	-0.19	-0.000234	±2.5	PASS
Band V	4132	VN	50	-0.11	-0.000138	±2.5	PASS
Band V	4182	VN	-30	0.84	0.001001	±2.5	PASS
Band V	4182	VN	-20	0.65	0.000778	±2.5	PASS
Band V	4182	VN	-10	-0.17	-0.000205	±2.5	PASS
Band V	4182	VN	0	0.45	0.000539	±2.5	PASS
Band V	4182	VN	10	-0.64	-0.000761	±2.5	PASS
Band V	4182	VN	20	-0.04	-0.000051	±2.5	PASS
Band V	4182	VN	30	-0.26	-0.000308	±2.5	PASS
Band V	4182	VN	40	-0.25	-0.000299	±2.5	PASS
Band V	4182	VN	50	0.27	0.000325	±2.5	PASS
Band V	4233	VN	-30	-0.73	-0.000862	±2.5	PASS
Band V	4233	VN	-20	-0.92	-0.001090	±2.5	PASS
Band V	4233	VN	-10	-1.09	-0.001284	±2.5	PASS
Band V	4233	VN	0	-0.53	-0.000625	±2.5	PASS
Band V	4233	VN	10	-0.73	-0.000862	±2.5	PASS
Band V	4233	VN	20	-0.74	-0.000870	±2.5	PASS
Band V	4233	VN	30	-0.33	-0.000389	±2.5	PASS
Band V	4233	VN	40	-0.74	-0.000879	±2.5	PASS
Band V	4233	VN	50	-1.04	-0.001225	±2.5	PASS

The End



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