



# Appendix B

## WCDMA Band II & IV & V



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result for Down Ant

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band II	9262	23.74	22.77	33.00	PASS
Band II	9400	23.62	22.65	33.00	PASS
Band II	9538	23.60	22.63	33.00	PASS
Band IV	1312	23.74	22.58	30.00	PASS
Band IV	1413	23.91	22.75	30.00	PASS
Band IV	1513	23.91	22.75	30.00	PASS

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	23.84	16.13	38.45	PASS
Band V	4182	23.83	16.12	38.45	PASS
Band V	4233	23.70	15.99	38.45	PASS

## 1.2. Test Result for Up Ant

Band	Channel	Conducted Power (dBm)	EIRP (dBm)	Limit(dBm)	Verdict
Band V	4132	23.88	17.23	38.45	PASS
Band V	4182	23.77	17.12	38.45	PASS
Band V	4233	23.80	17.15	38.45	PASS

Remark:

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

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

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



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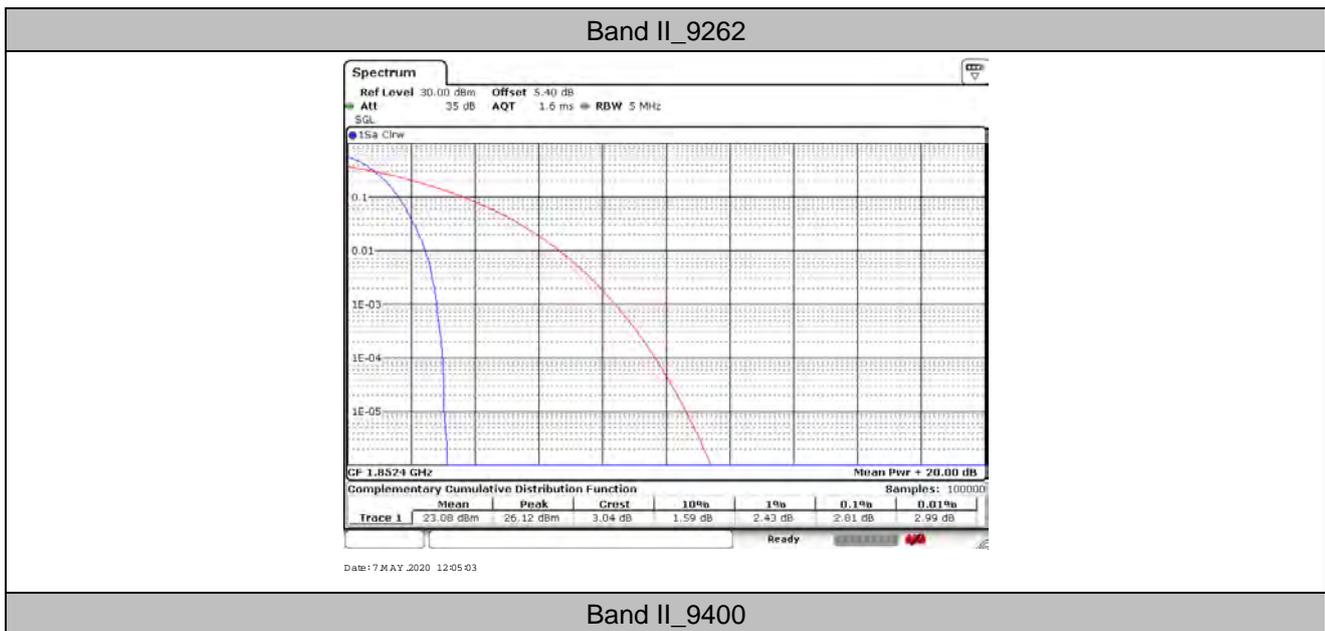


## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

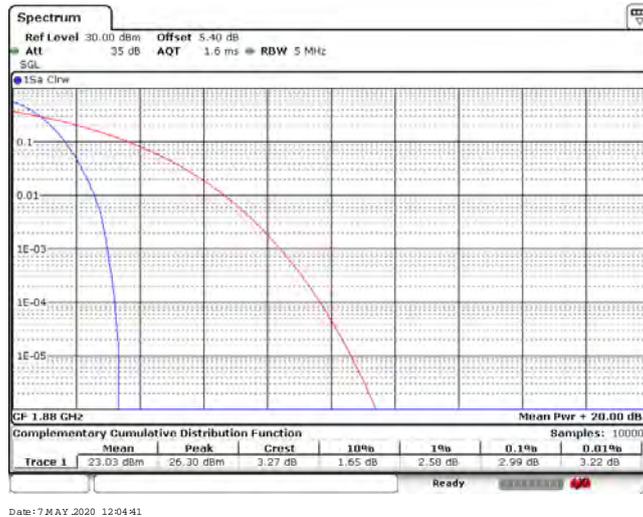
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.81	13	PASS
Band II	9400	2.99	13	PASS
Band II	9538	2.87	13	PASS
Band IV	1312	2.99	13	PASS
Band IV	1413	2.84	13	PASS
Band IV	1513	2.93	13	PASS
Band V	4132	2.99	13	PASS
Band V	4182	3.10	13	PASS
Band V	4233	2.87	13	PASS

### 2.2. Test Plots



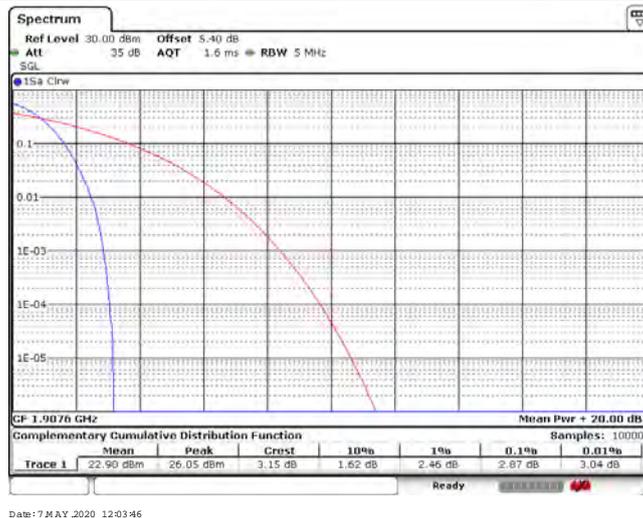
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Band II\_9538



Date: 7 MAY 2020 12:03:46

Band IV\_1312

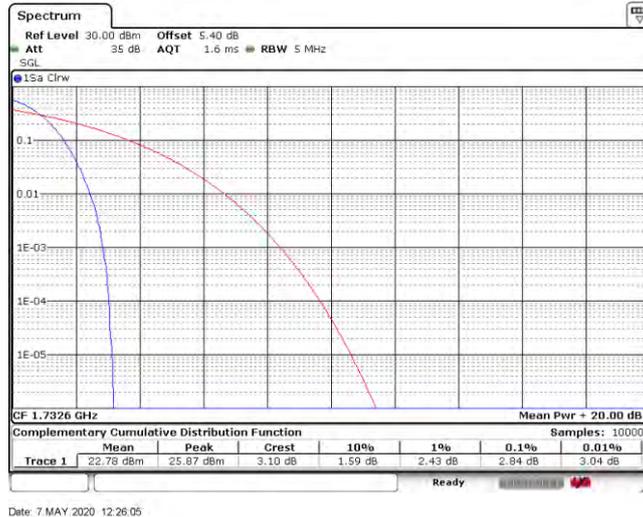


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Date: 7 MAY 2020 12:28:26

**Band IV\_1413**



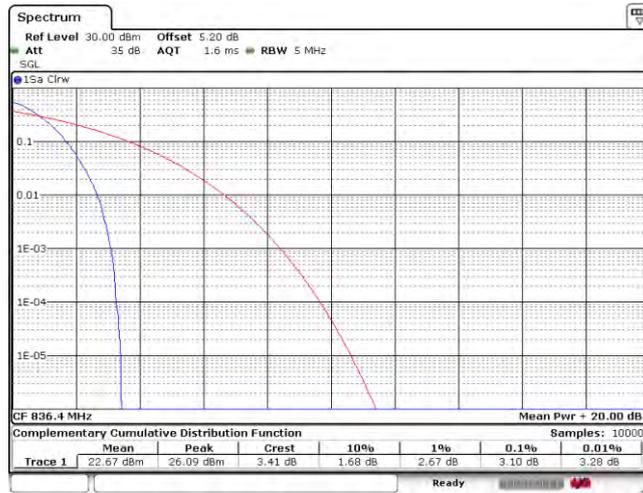
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**Band IV\_1513**



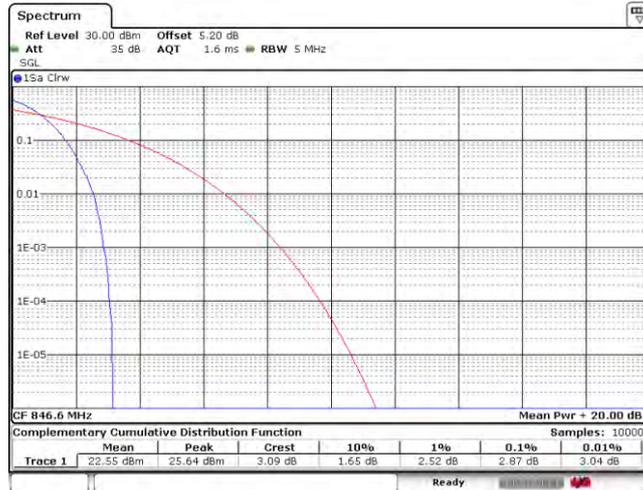
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**Band V\_4233**



Date: 7 MAY 2020 12:13:07



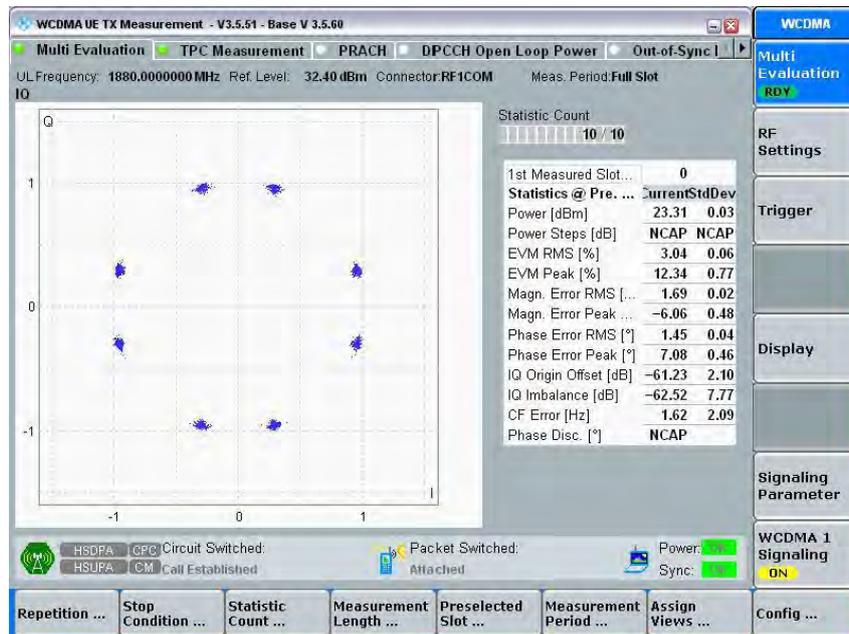
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### 3. Modulation Characteristics

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

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

##### 3.1.1.1. Test Channel = MCH

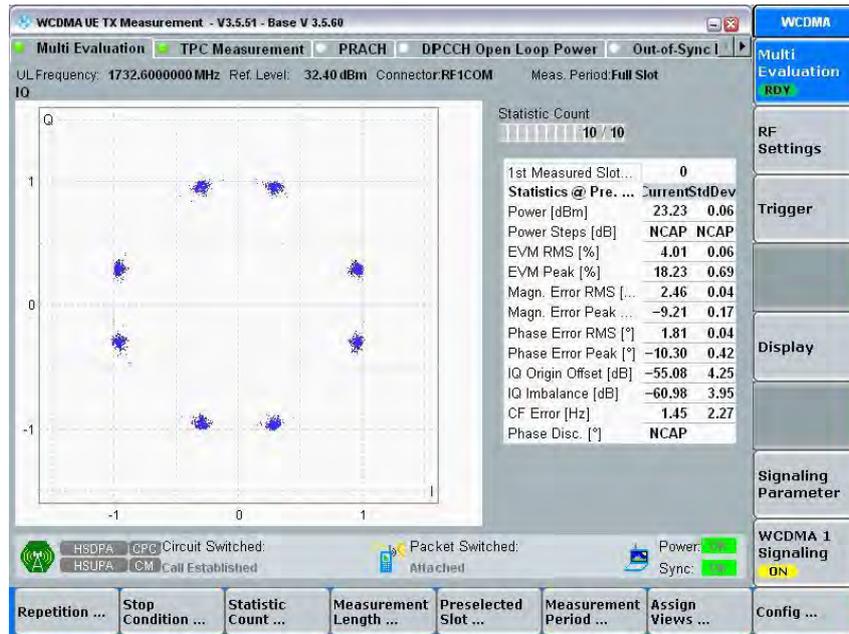


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### 3.2. Test Band = WCDMA Band IV

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

##### 3.2.1.1. Test Channel = MCH

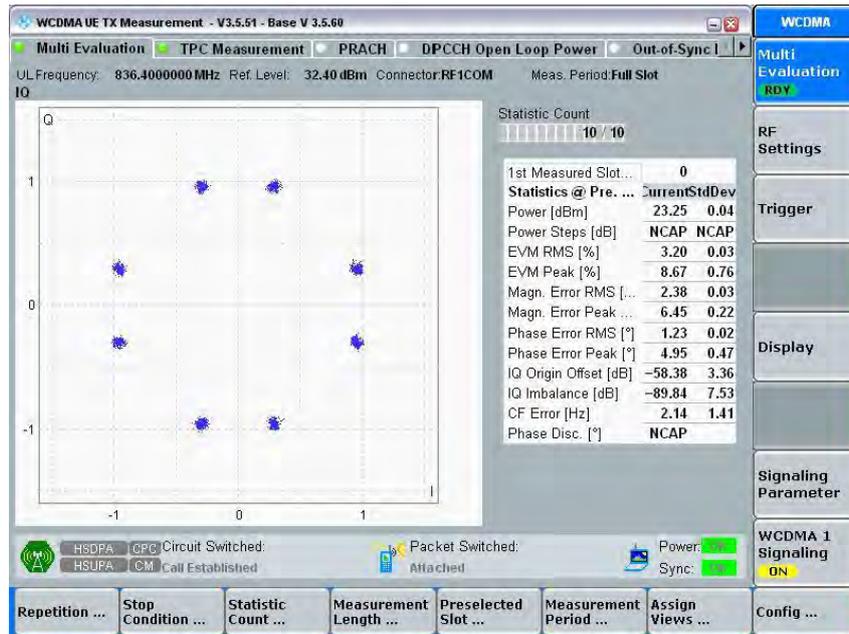


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### 3.3. Test Band = WCDMA Band V

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

##### 3.3.1.1. Test Channel = MCH



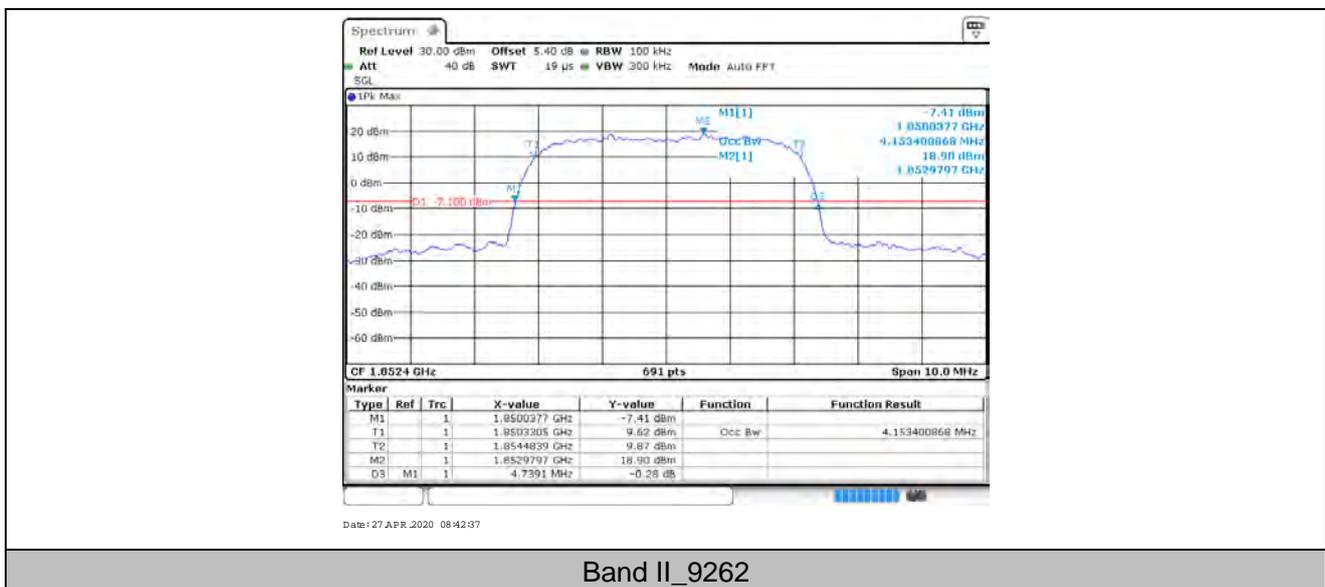
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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4153.4	4739	---	PASS
Band II	9400	4153.4	4754	---	PASS
Band II	9538	4153.4	4754	---	PASS
Band IV	1312	4138.9	4739	---	PASS
Band IV	1413	4138.9	4725	---	PASS
Band IV	1513	4153.4	4739	---	PASS
Band V	4132	4153.4	4725	---	PASS
Band V	4182	4138.9	4710	---	PASS
Band V	4233	4153.4	4725	---	PASS

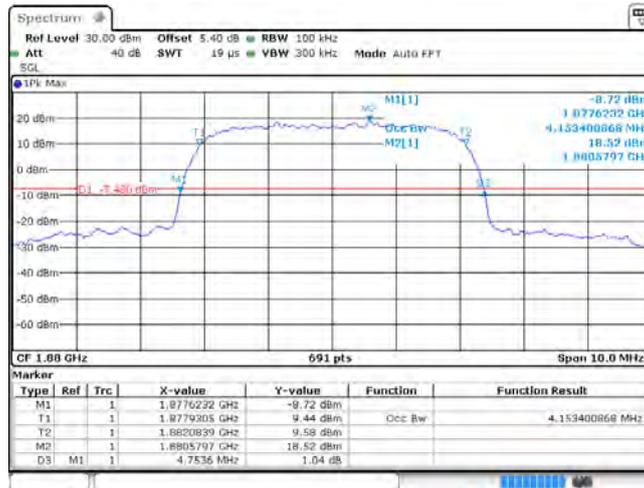
### 4.2. Test Plots



Band II\_9262

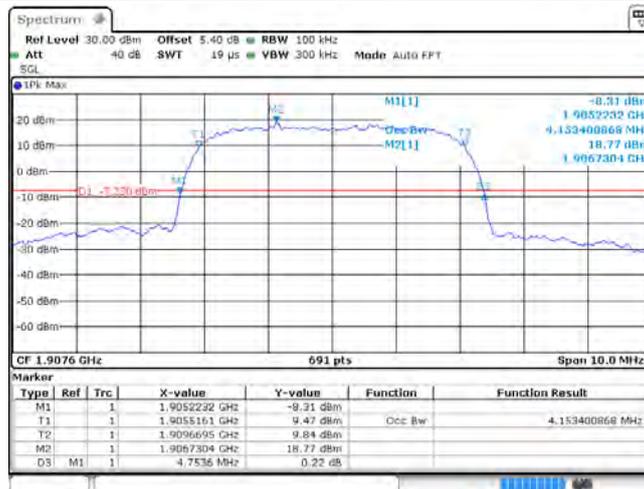


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**Band II\_9400**



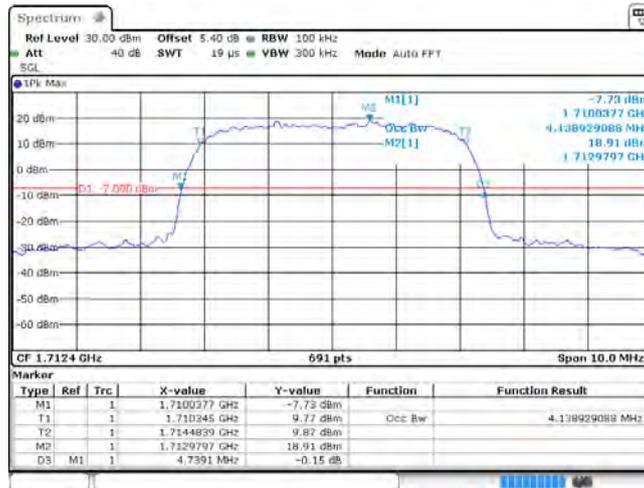
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**Band II\_9538**



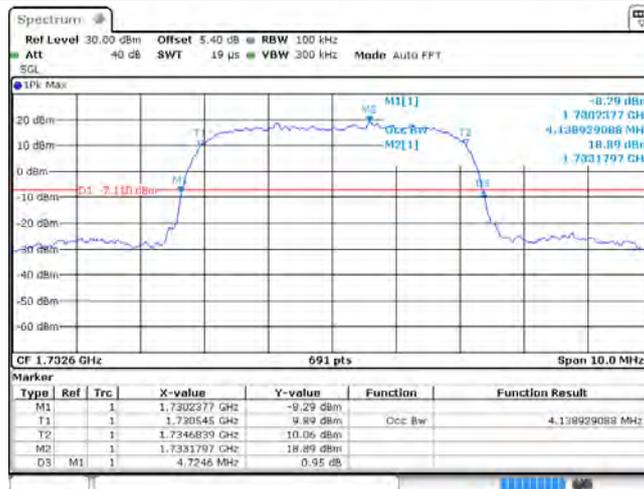
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**Band IV\_1312**



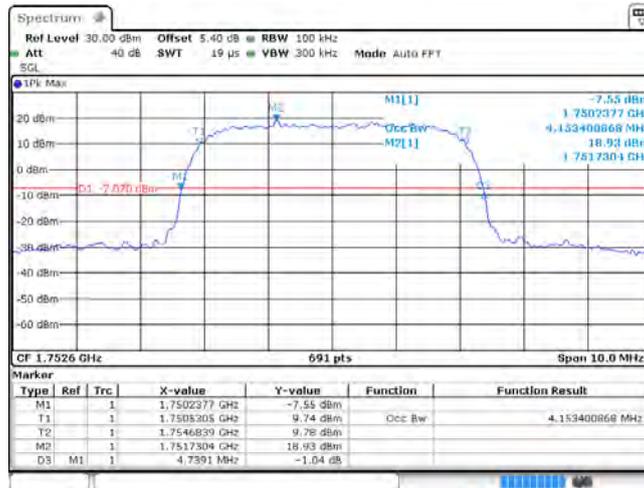
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**Band IV\_1413**



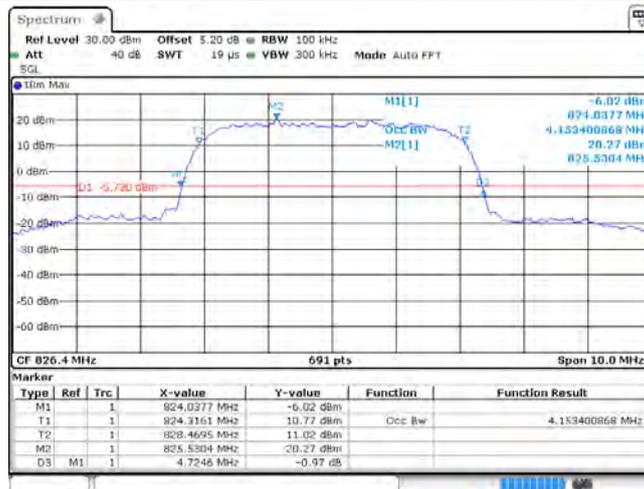
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**Band IV\_1513**

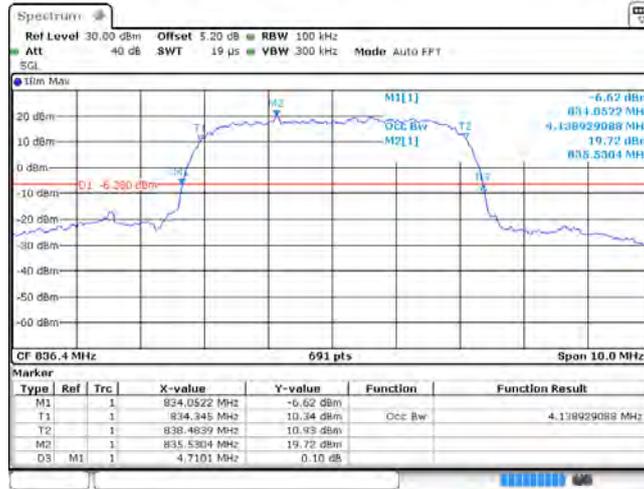


Date: 27 APR 2020 08:53:10

**Band V\_4132**

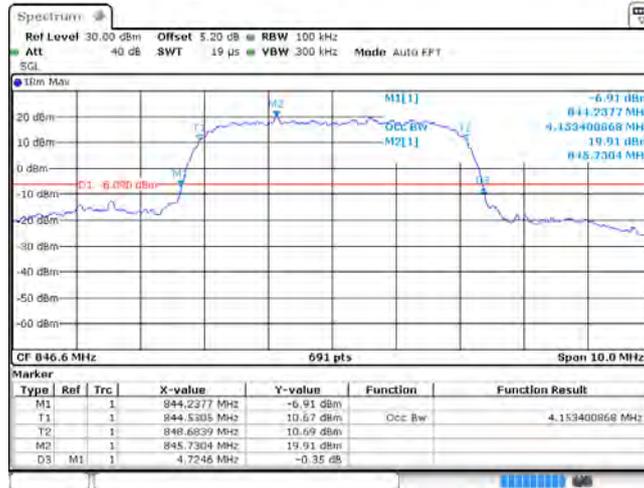


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**Band V\_4182**



Date: 27 APR 2020 08:53:59

**Band V\_4233**



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## 5. Band Edge Compliance

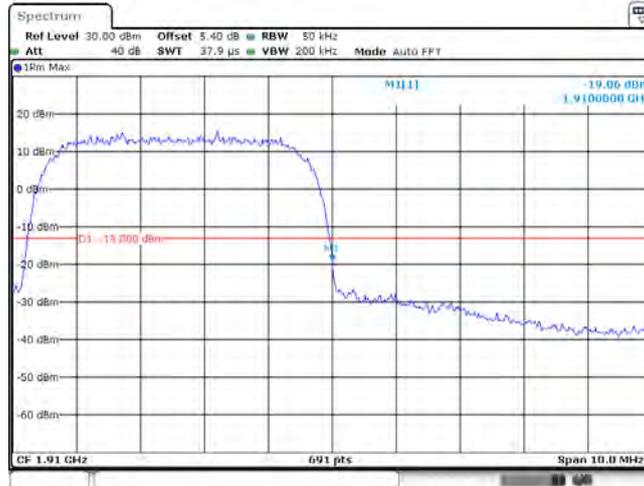
### 5.1. Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-19.05	-13	PASS
Band II	9538	-19.06	-13	PASS
Band IV	1312	-19.34	-13	PASS
Band IV	1513	-19.38	-13	PASS
Band V	4132	-16.53	-13	PASS
Band V	4233	-18.51	-13	PASS

### 5.2. Test Plots

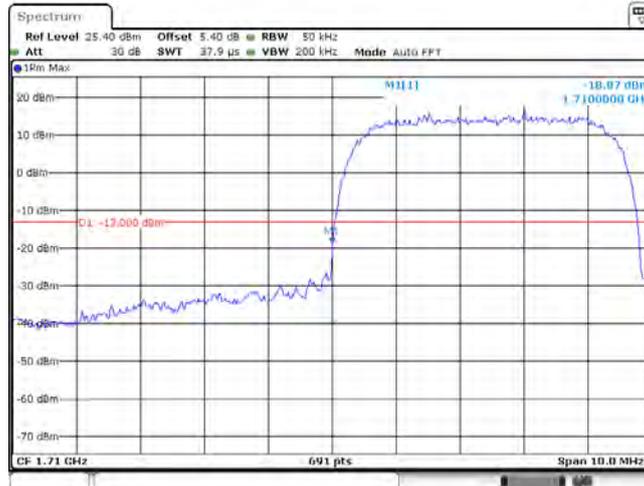


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**Band II\_9538**

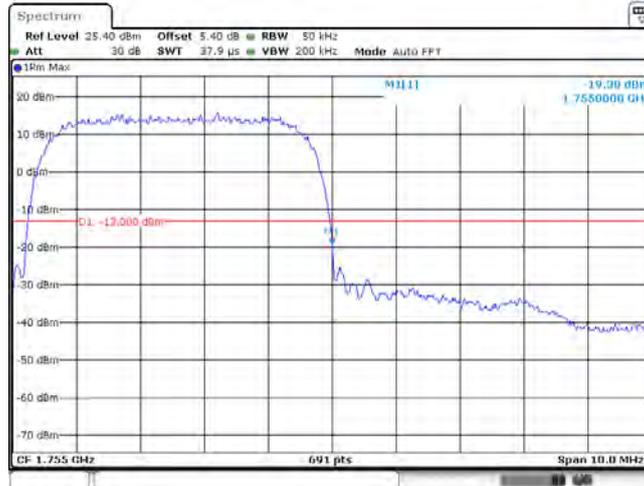


Date: 27 APR.2020 09:09:45

**Band IV\_1312**

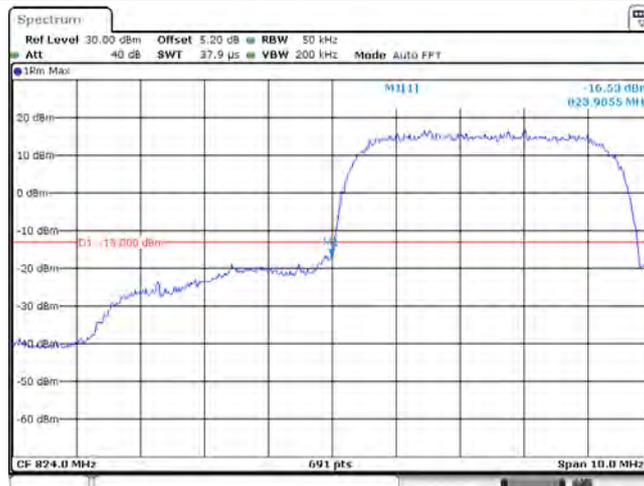


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**Band IV\_1513**



Date: 27 APR. 2020 08:54:27

**Band V\_4132**



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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 Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	0.009~0.15	-65.73	-43	PASS
Band II	9262	0.15~30	-64.42	-33	PASS
Band II	9262	30~1000	-45.10	-13	PASS
Band II	9262	1000~7000	-29.86	-13	PASS
Band II	9262	7000~13600	-44.67	-13	PASS
Band II	9262	13600~20000	-41.84	-13	PASS
Band II	9400	0.009~0.15	-67.03	-43	PASS
Band II	9400	0.15~30	-65.34	-33	PASS
Band II	9400	30~1000	-45.66	-13	PASS
Band II	9400	1000~7000	-28.52	-13	PASS
Band II	9400	7000~13600	-44.55	-13	PASS
Band II	9400	13600~20000	-41.91	-13	PASS
Band II	9538	0.009~0.15	-65.99	-43	PASS
Band II	9538	0.15~30	-65.14	-33	PASS
Band II	9538	30~1000	-44.27	-13	PASS
Band II	9538	1000~7000	-29.69	-13	PASS
Band II	9538	7000~13600	-44.04	-13	PASS
Band II	9538	13600~20000	-42.31	-13	PASS
Band IV	1312	0.009~0.15	-65.92	-43	PASS
Band IV	1312	0.15~30	-63.77	-33	PASS
Band IV	1312	30~1000	-45.19	-13	PASS
Band IV	1312	1000~7000	-39.77	-13	PASS
Band IV	1312	7000~13600	-43.36	-13	PASS
Band IV	1312	13600~20000	-42.18	-13	PASS
Band IV	1413	0.009~0.15	-66.83	-43	PASS
Band IV	1413	0.15~30	-64.03	-33	PASS
Band IV	1413	30~1000	-45.06	-13	PASS



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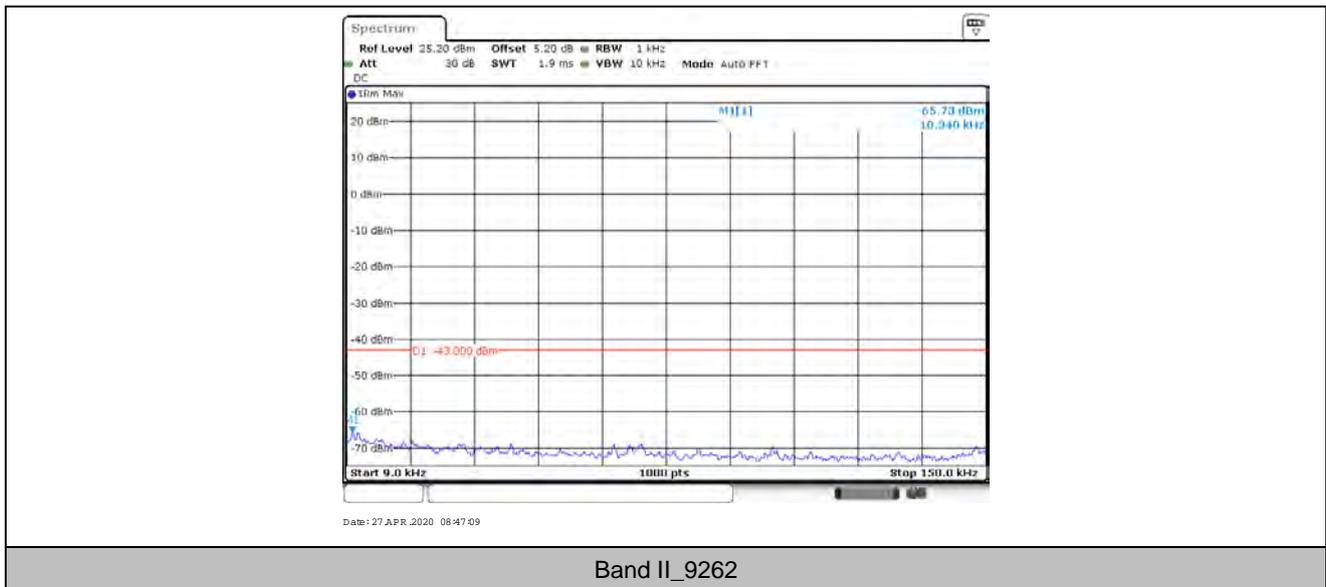
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Band IV	1413	1000~7000	-39.75	-13	PASS
Band IV	1413	7000~13600	-44.49	-13	PASS
Band IV	1413	13600~20000	-41.68	-13	PASS
Band IV	1513	0.009~0.15	-65.99	-43	PASS
Band IV	1513	0.15~30	-54.88	-33	PASS
Band IV	1513	30~1000	-45.55	-13	PASS
Band IV	1513	1000~7000	-39.66	-13	PASS
Band IV	1513	7000~13600	-44.69	-13	PASS
Band IV	1513	13600~20000	-41.74	-13	PASS
Band V	4132	0.009~0.15	-66.83	-33	PASS
Band V	4132	0.15~30	-65.51	-23	PASS
Band V	4132	30~1000	-44.37	-13	PASS
Band V	4132	1000~9000	-32.77	-13	PASS
Band V	4182	0.009~0.15	-65.92	-33	PASS
Band V	4182	0.15~30	-65.68	-23	PASS
Band V	4182	30~1000	-44.72	-13	PASS
Band V	4182	1000~9000	-33.48	-13	PASS
Band V	4233	0.009~0.15	-66.89	-33	PASS
Band V	4233	0.15~30	-64.65	-23	PASS
Band V	4233	30~1000	-44.45	-13	PASS
Band V	4233	1000~9000	-33.41	-13	PASS

## 6.2. Test Plots



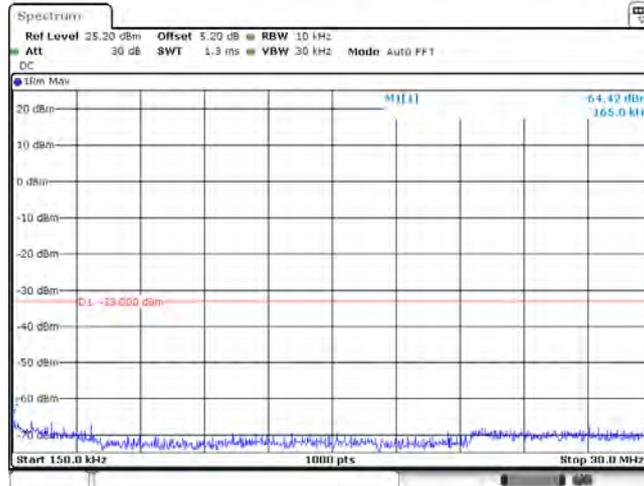
Band II\_9262



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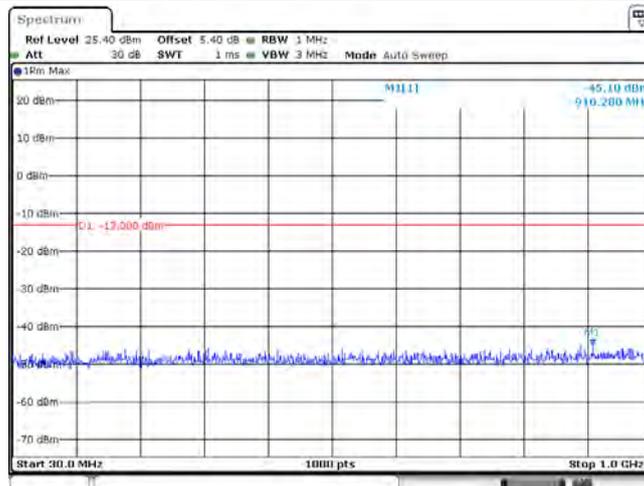
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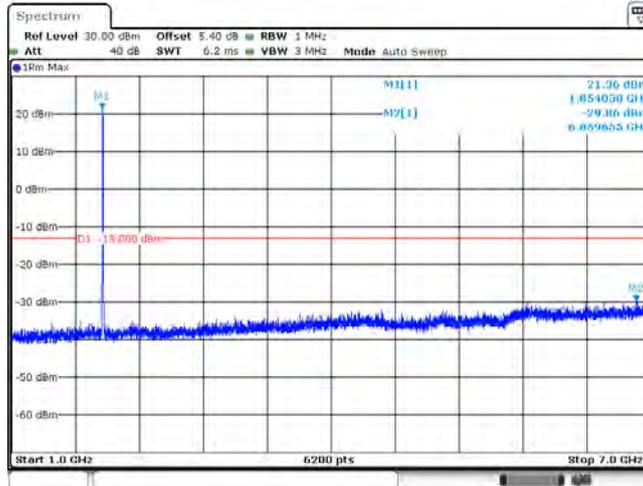


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Band II\_9262

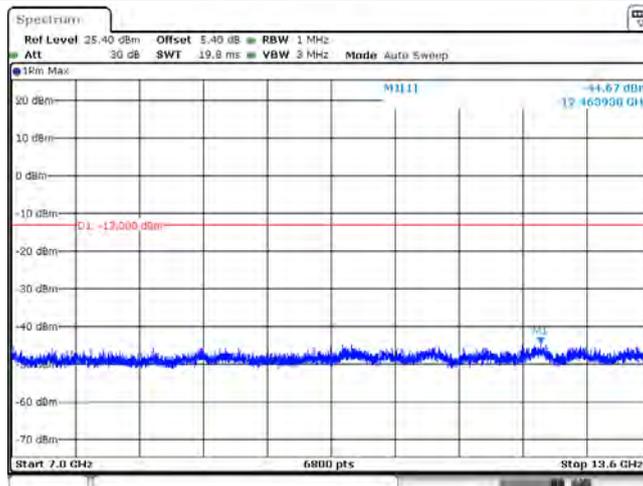


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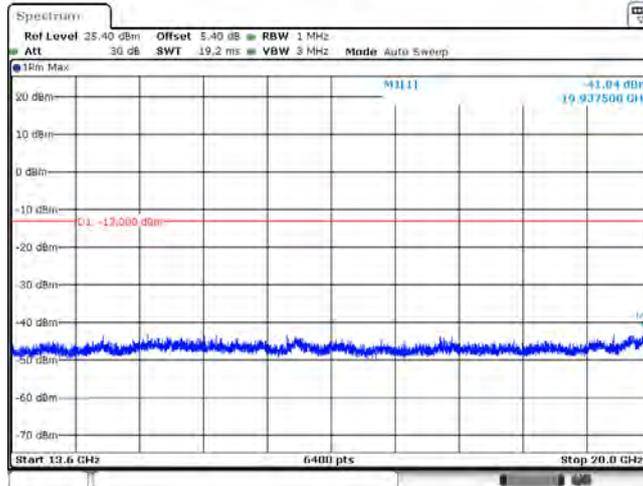
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Band II\_9262



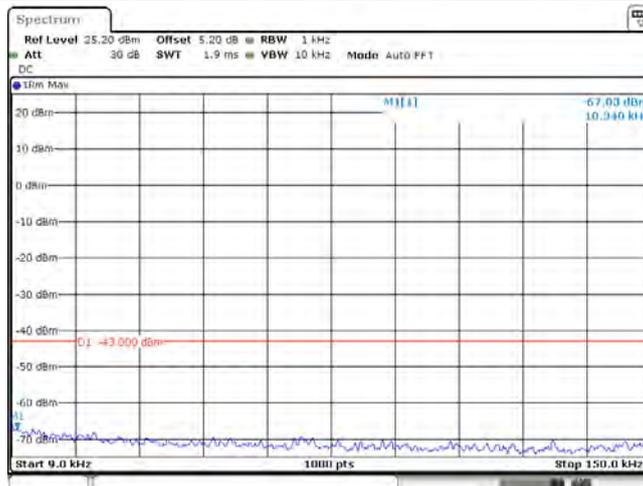
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Date: 27 APR 2020 08:48:04

Band II\_9262

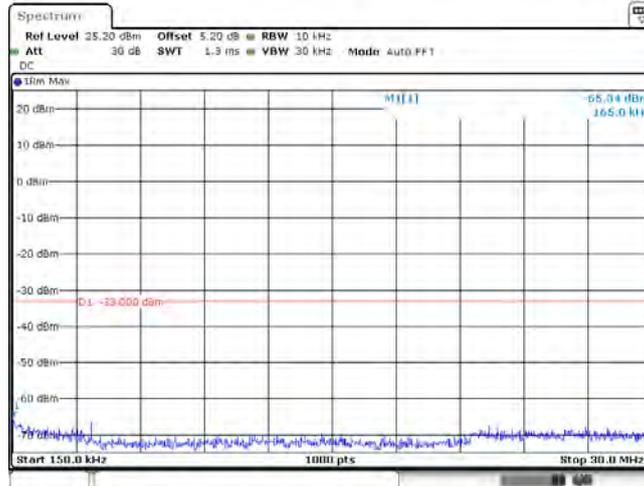


Date: 27 APR 2020 08:48:17

Band II\_9400

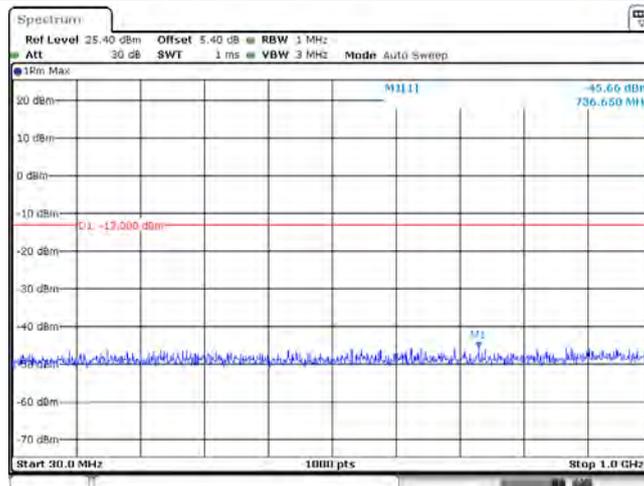


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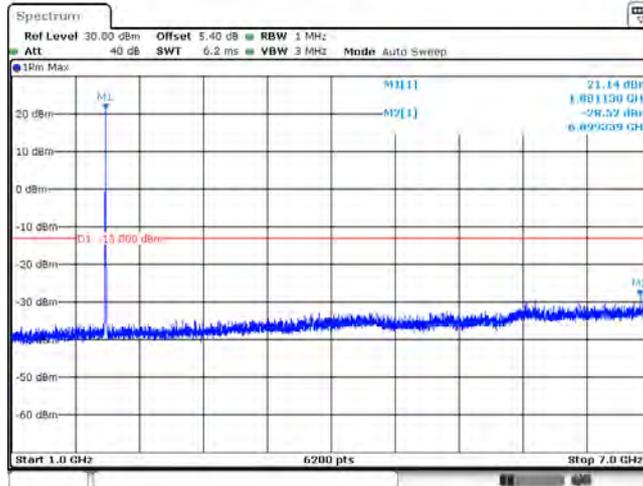


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Band II\_9400

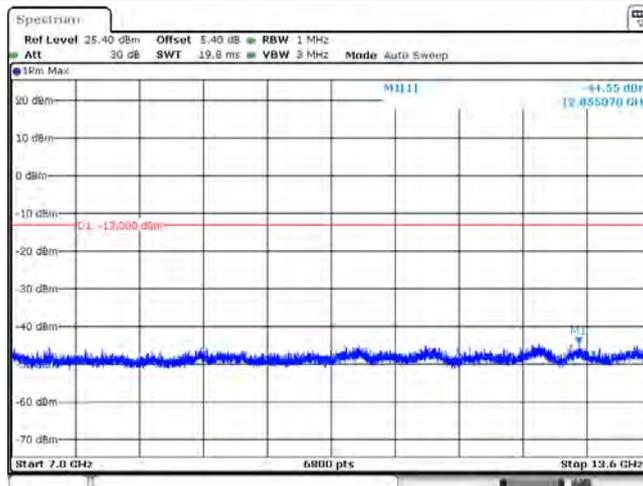


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Band II\_9400

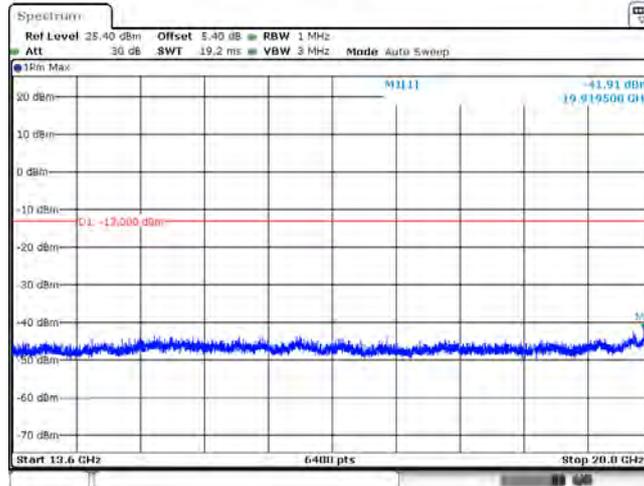


Date: 27 APR 2020 08:49:02

Band II\_9400

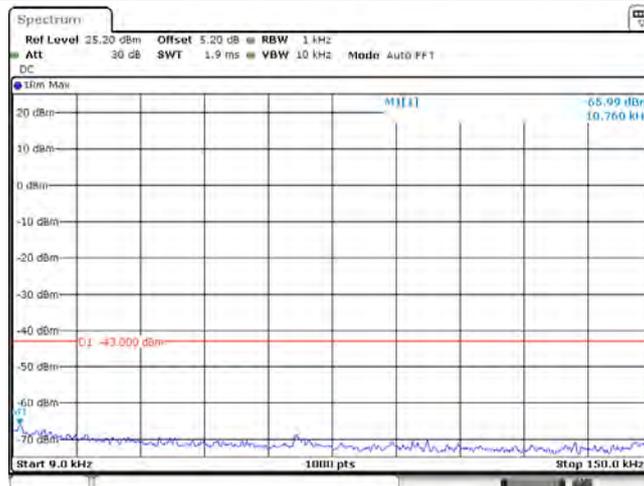


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Band II\_9400

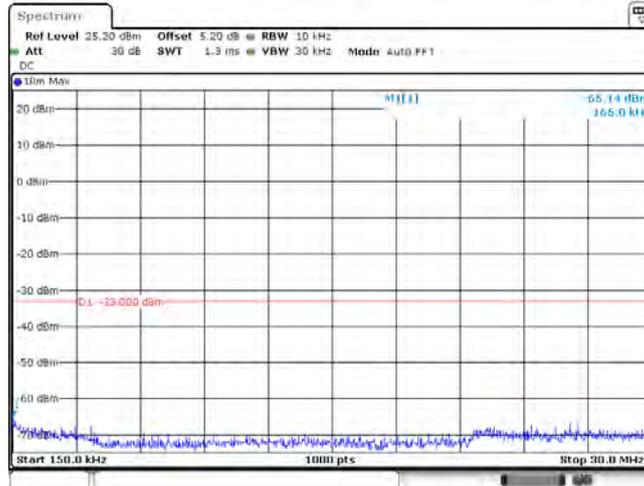


Date: 27 APR 2020 08:49:26

Band II\_9538

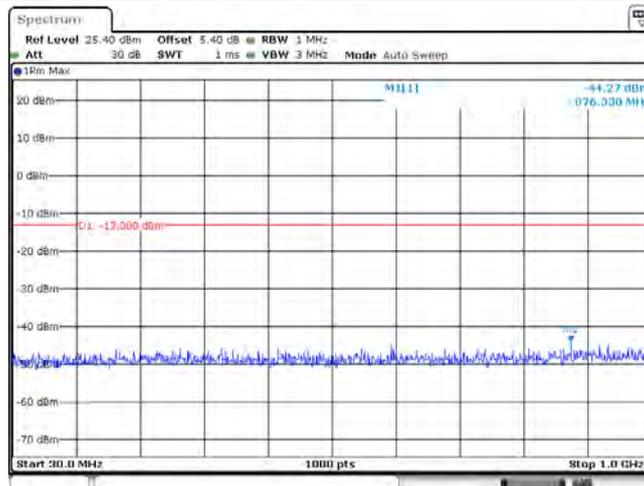


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Date: 27 APR 2020 08:49:36

Band II\_9538

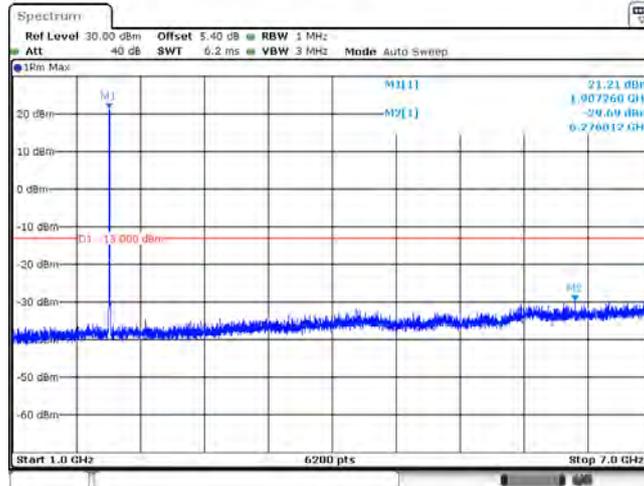


Date: 27 APR 2020 08:49:47

Band II\_9538

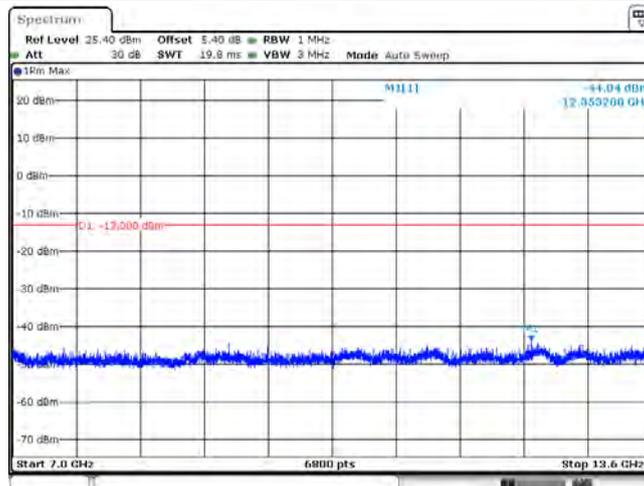


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Date: 27 APR 2020 08:49:59

Band II\_9538



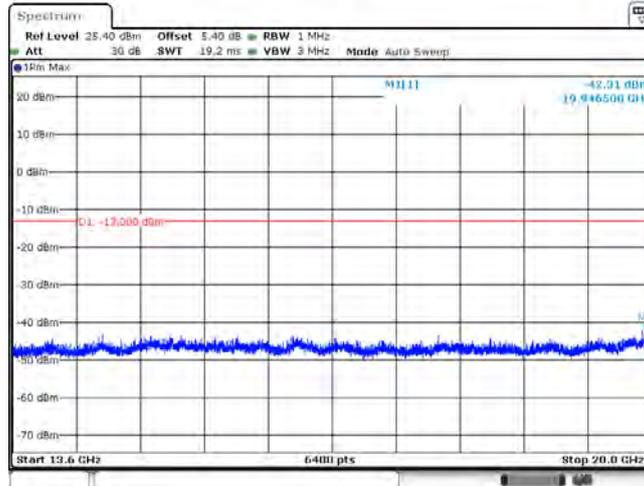
Date: 27 APR 2020 08:50:10

Band II\_9538



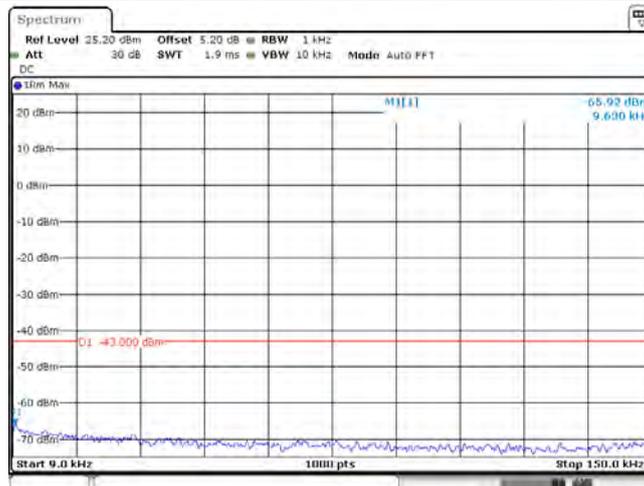
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Date: 27 APR. 2020 08:50:21

Band II\_9538

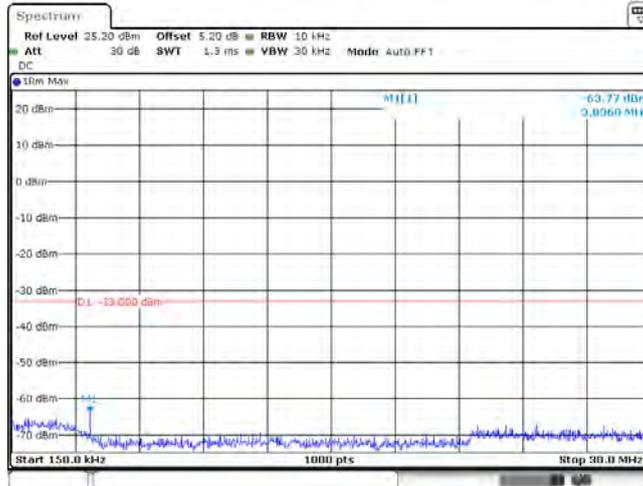


Date: 27 APR. 2020 09:05:18

Band IV\_1312

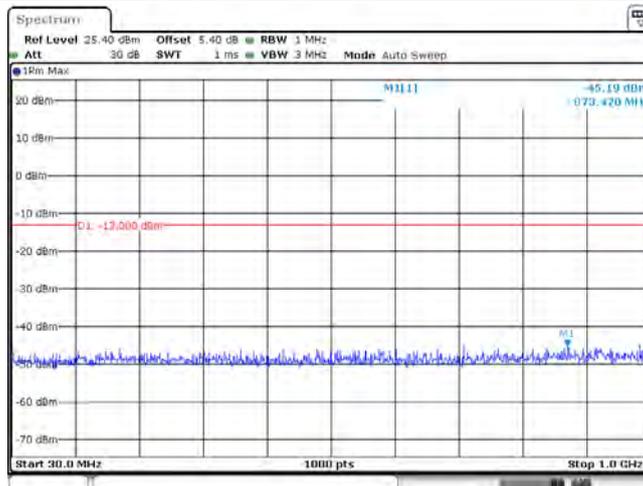


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Date: 27 APR.2020 09:05:29

Band IV\_1312

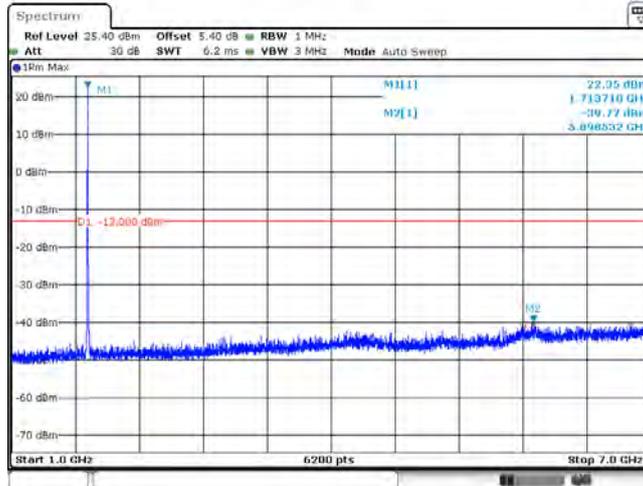


Date: 27 APR.2020 09:05:40

Band IV\_1312

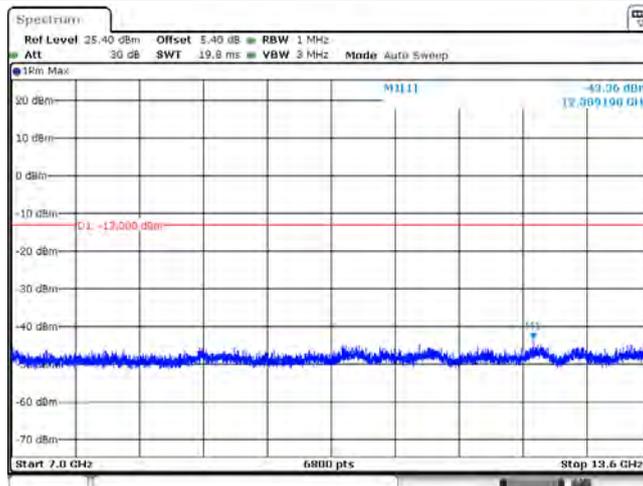


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Date: 27 APR 2020 09:05:52

Band IV\_1312

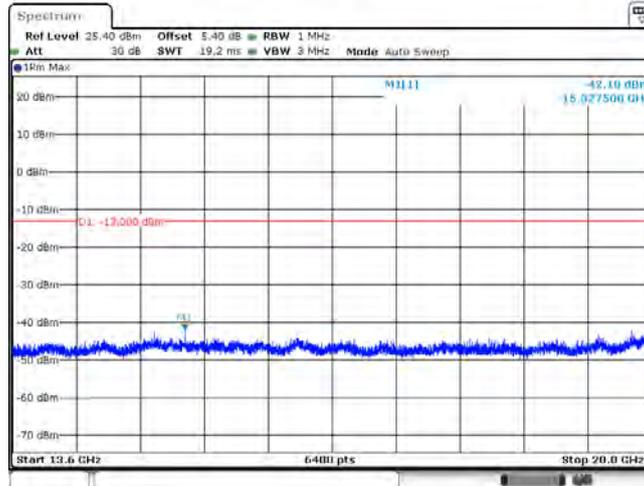


Date: 27 APR 2020 09:06:03

Band IV\_1312

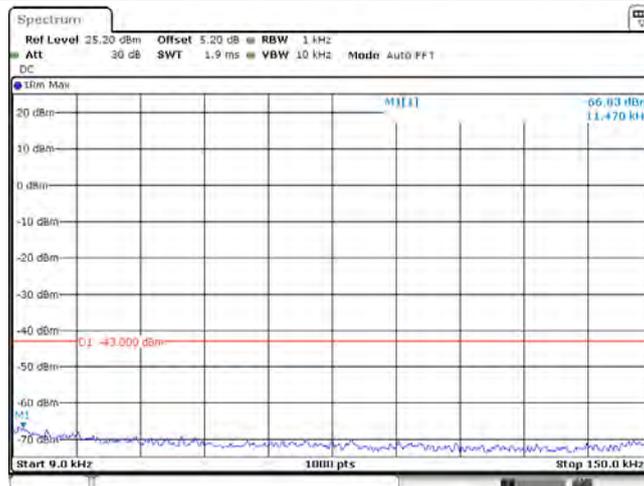


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Date: 27 APR. 2020 09:06:13

Band IV\_1312

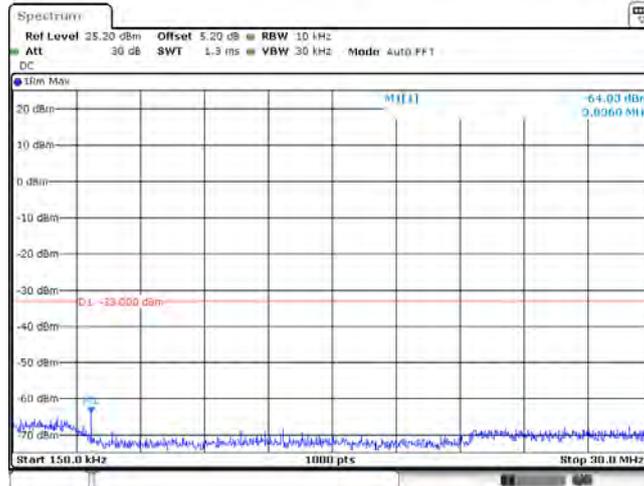


Date: 27 APR. 2020 09:06:06

Band IV\_1413

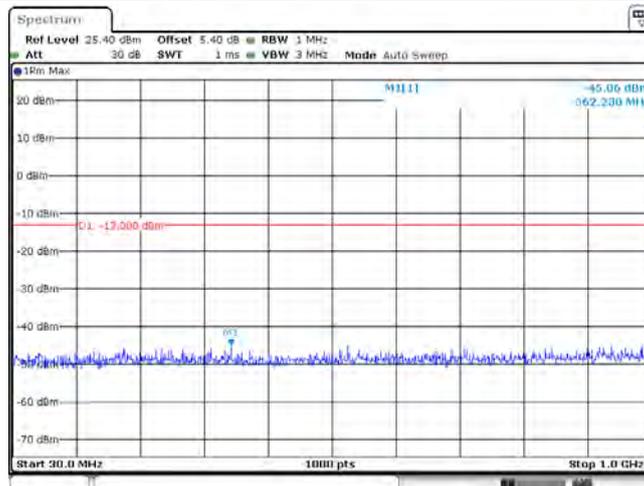


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Date: 27 APR. 2020 09:06:37

Band IV\_1413

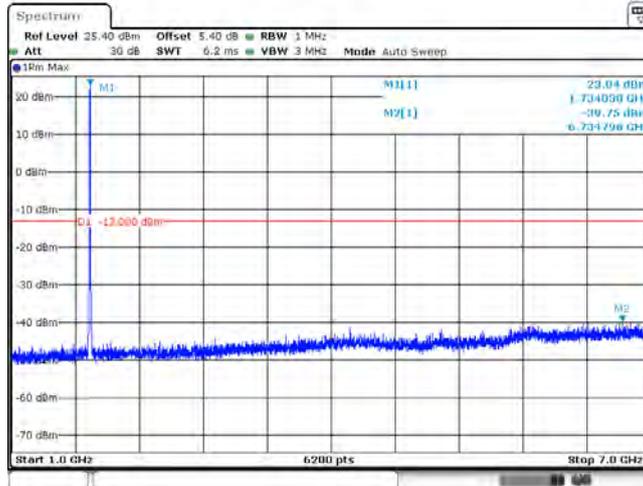


Date: 27 APR. 2020 09:06:48

Band IV\_1413

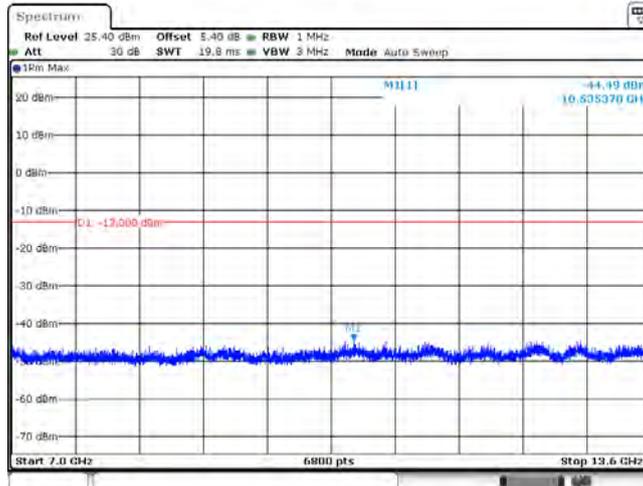


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Date: 27 APR 2020 09:07:00

Band IV\_1413

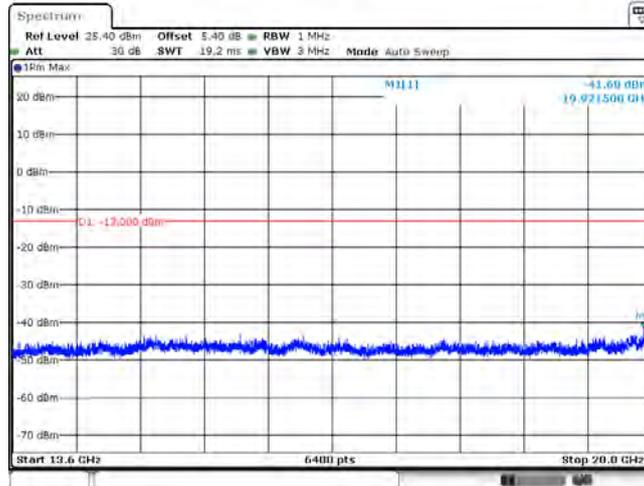


Date: 27 APR 2020 09:07:41

Band IV\_1413

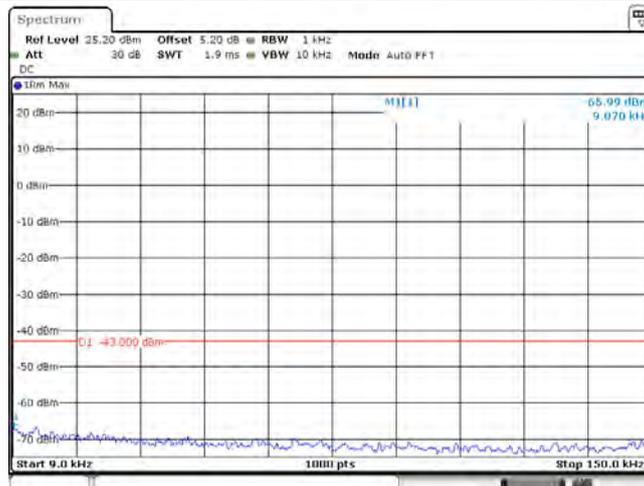


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Date: 27 APR 2020 09:57:22

Band IV\_1413

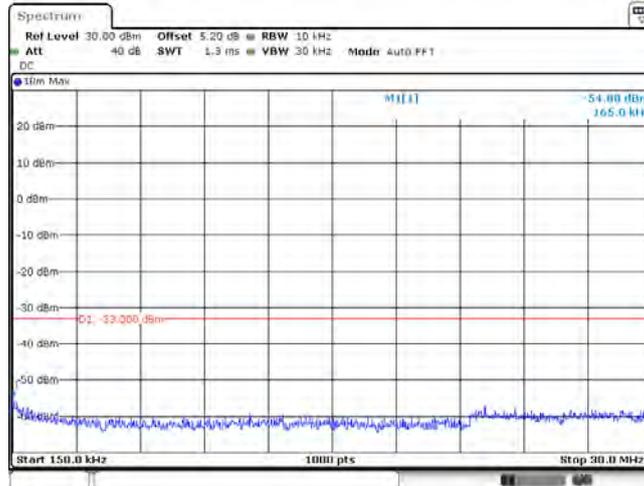


Date: 27 APR 2020 09:57:35

Band IV\_1513

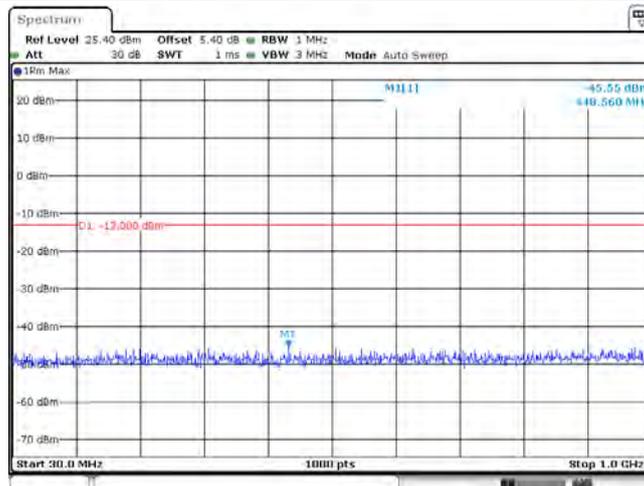


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Date: 27 APR. 2020 09:07:59

Band IV\_1513

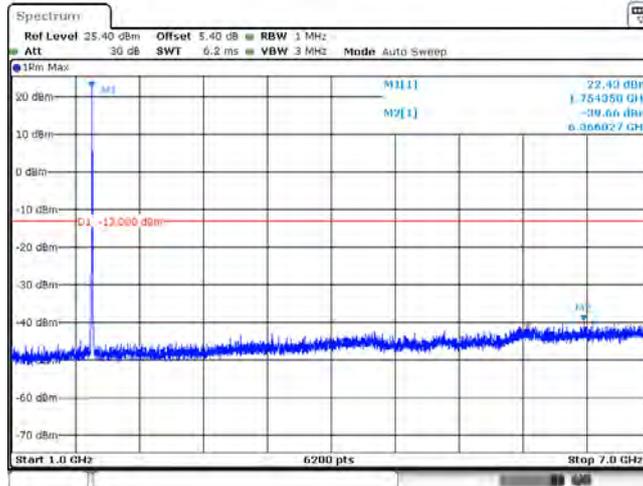


Date: 27 APR. 2020 09:08:09

Band IV\_1513

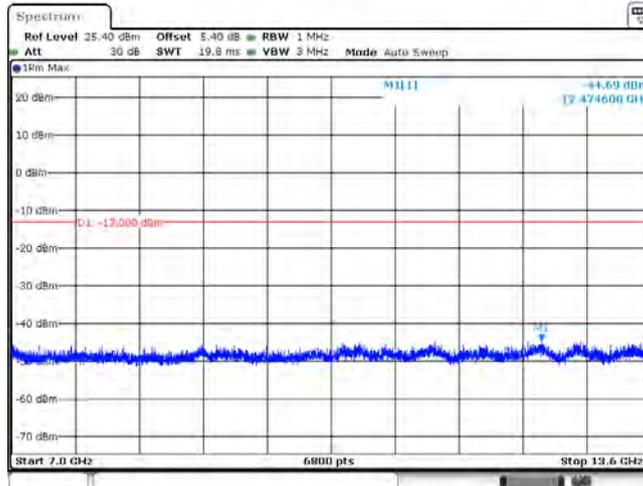


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Date: 27 APR 2020 09:58:22

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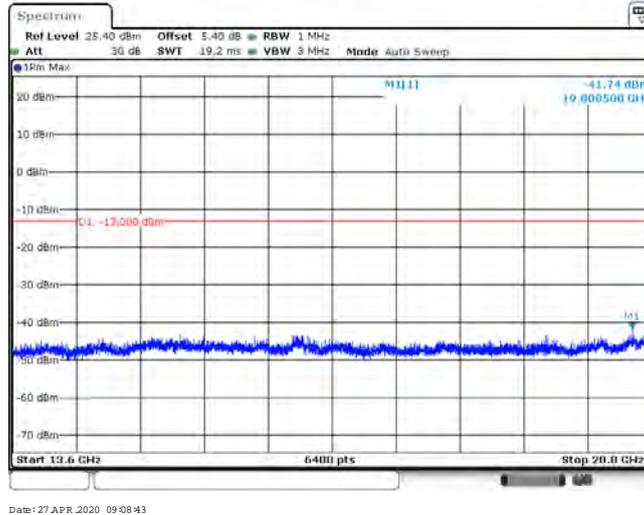


Date: 27 APR 2020 09:58:32

Band IV\_1513

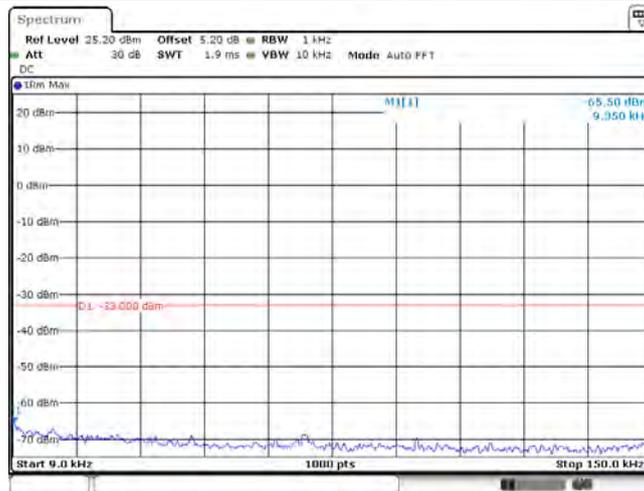


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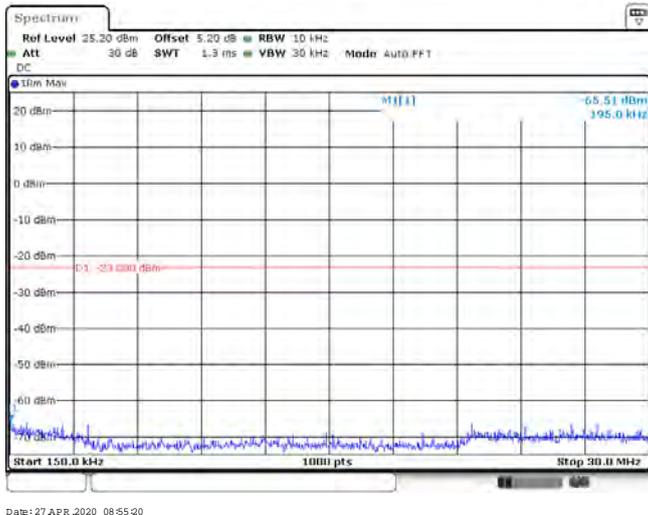


Date: 27 APR 2020 08:55:10

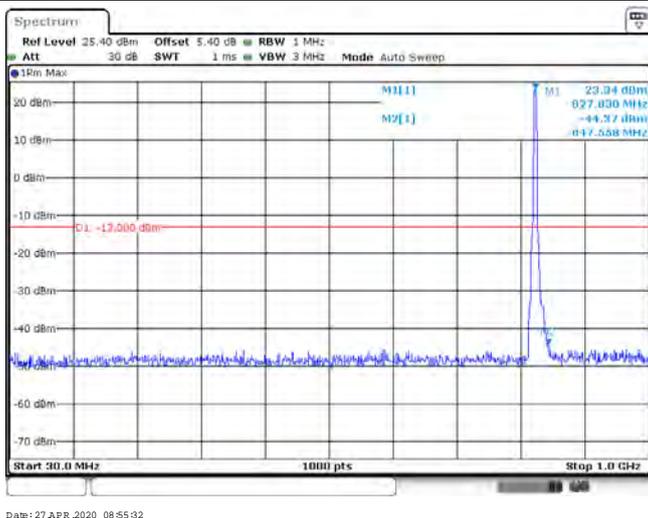
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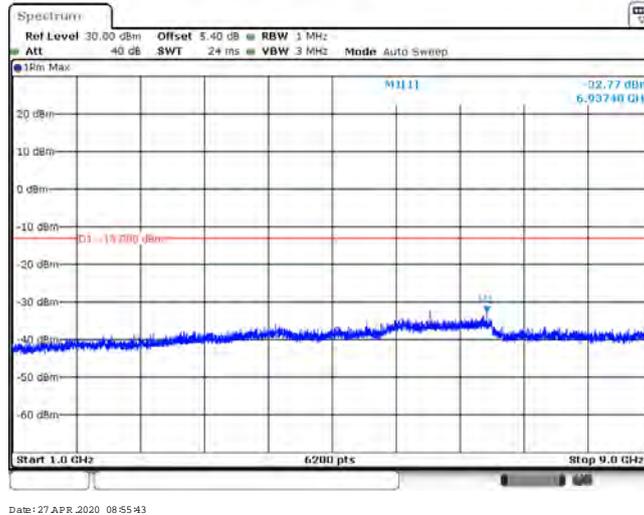
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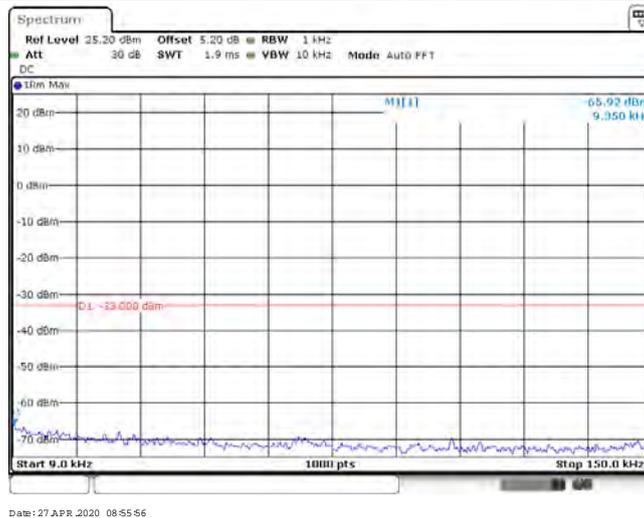
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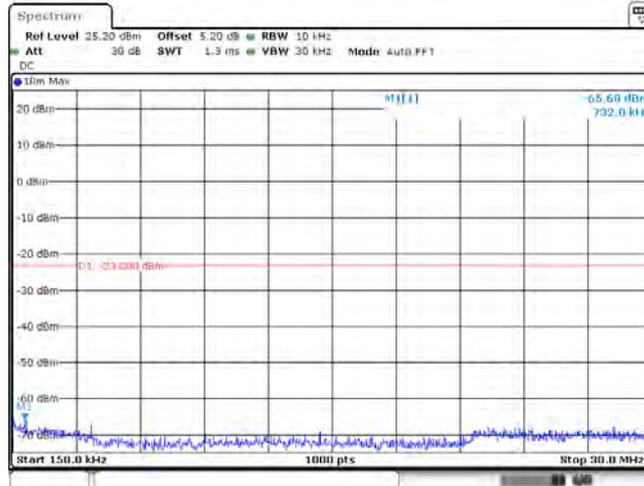
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Band V\_4182

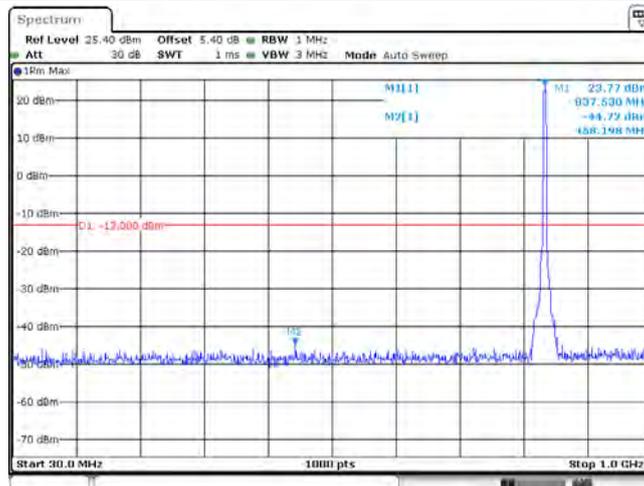


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Date: 27 APR.2020 08:56:07

Band V\_4182

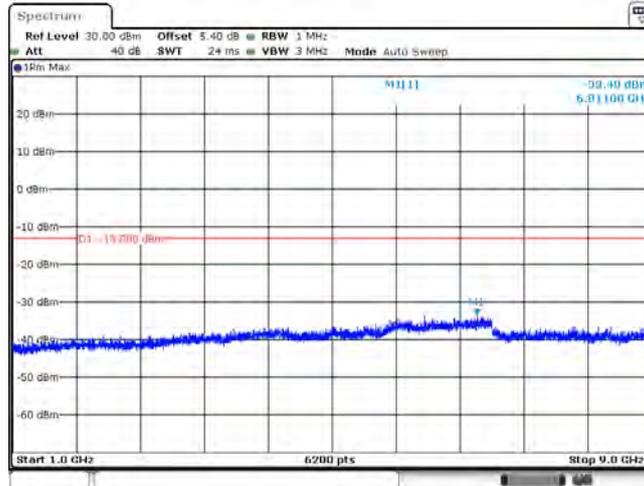


Date: 27 APR.2020 08:56:19

Band V\_4182

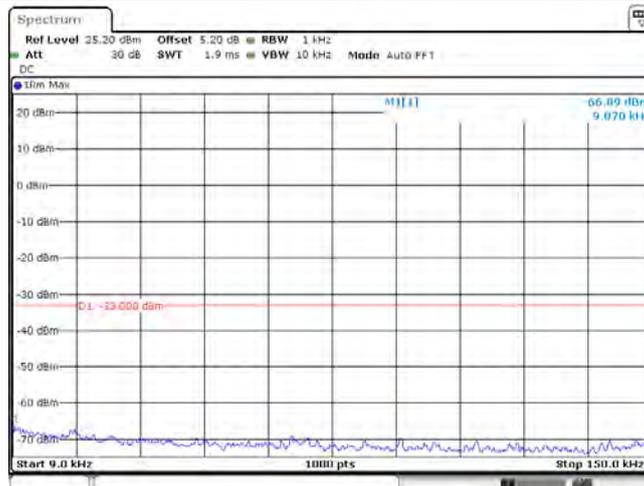


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Date: 27 APR 2020 08:56:30

Band V\_4182

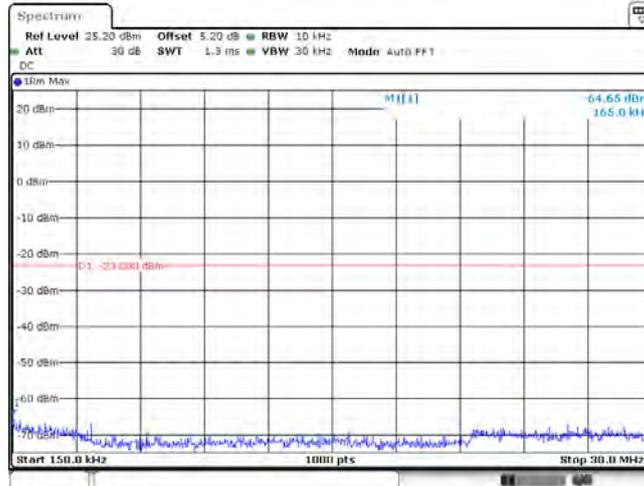


Date: 27 APR 2020 08:56:43

Band V\_4233

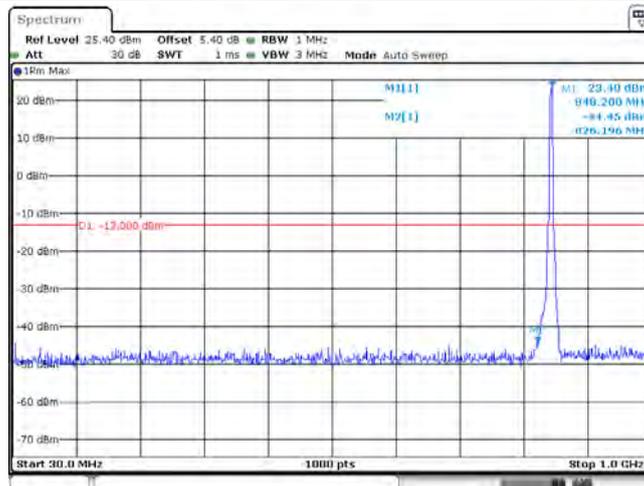


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Date: 27 APR.2020 08:56:53

Band V\_4233

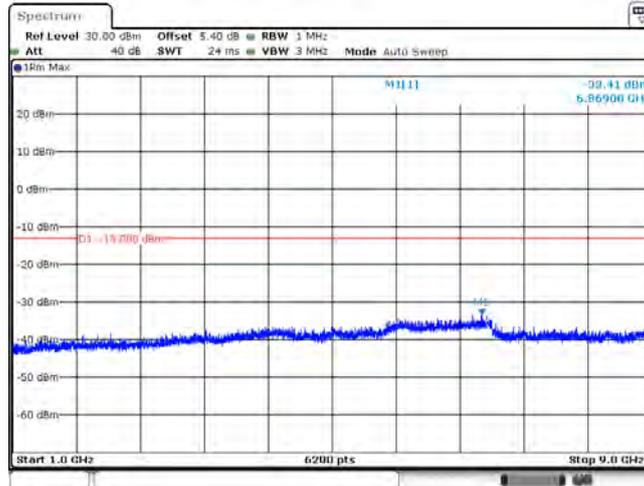


Date: 27 APR.2020 08:57:05

Band V\_4233



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Date: 27.APR.2020 08:57:16

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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = WCDMA Band II(Down Ant)

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

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.3596	-72.02	-13.00	59.02	Vertical
114.6852	-63.63	-13.00	50.63	Vertical
426.5073	-67.64	-13.00	54.64	Vertical
2699.1398	-36.49	-13.00	23.49	Vertical
7354.6452	-56.45	-13.00	43.45	Vertical
17999.5000	-41.87	-13.00	28.87	Vertical
39.0215	-63.68	-13.00	50.68	Horizontal
231.5761	-67.73	-13.00	54.73	Horizontal
515.5093	-66.02	-13.00	53.02	Horizontal
2699.1398	-35.37	-13.00	22.37	Horizontal
3706.5236	-55.10	-13.00	42.10	Horizontal
16387.9463	-44.89	-13.00	31.89	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.5326	-64.65	-13.00	51.65	Vertical
452.7956	-67.31	-13.00	54.31	Vertical
2700.7401	-36.77	-13.00	23.77	Vertical
3758.5253	-58.80	-13.00	45.80	Vertical
8630.6877	-55.69	-13.00	42.69	Vertical
17997.4999	-41.23	-13.00	28.23	Vertical
44.7447	-64.46	-13.00	51.46	Horizontal
242.1496	-68.03	-13.00	55.03	Horizontal



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770.0015	-62.09	-13.00	49.09	Horizontal
2697.1394	-35.54	-13.00	22.54	Horizontal
3762.0254	-51.48	-13.00	38.48	Horizontal
16379.4460	-45.23	-13.00	32.23	Horizontal

**7.1.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.7380	-63.74	-13.00	50.74	Vertical
306.9003	-69.55	-13.00	56.55	Vertical
2701.9404	-36.74	-13.00	23.74	Vertical
3814.0271	-55.58	-13.00	42.58	Vertical
7350.1450	-55.79	-13.00	42.79	Vertical
17998.5000	-41.47	-13.00	28.47	Vertical
44.4052	-64.51	-13.00	51.51	Horizontal
237.3479	-67.38	-13.00	54.38	Horizontal
607.1304	-63.07	-13.00	50.07	Horizontal
2700.3401	-35.34	-13.00	22.34	Horizontal
3813.5271	-49.52	-13.00	36.52	Horizontal
16402.9468	-45.23	-13.00	32.23	Horizontal

**7.2. Test Band = WCDMA Band IV(Down Ant)**

**7.2.1. Test Mode = WCDMA/TM1**

**7.2.1.1. Test Channel = LCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.2669	-70.51	-13.00	57.51	Vertical
111.7266	-62.76	-13.00	49.76	Vertical
512.2111	-64.29	-13.00	51.29	Vertical
2707.9416	-31.87	-13.00	18.87	Vertical
7403.6468	-53.86	-13.00	40.86	Vertical
17990.9997	-34.53	-13.00	21.53	Vertical



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40.3795	-62.50	-13.00	49.50	Horizontal
221.7301	-67.01	-13.00	54.01	Horizontal
521.3296	-62.38	-13.00	49.38	Horizontal
2698.3397	-30.68	-13.00	17.68	Horizontal
7446.6482	-54.12	-13.00	41.12	Horizontal
16397.4466	-35.66	-13.00	22.66	Horizontal

**7.2.1.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.7405	-70.22	-13.00	57.22	Vertical
112.2601	-63.04	-13.00	50.04	Vertical
519.7775	-63.33	-13.00	50.33	Vertical
2685.9372	-31.91	-13.00	18.91	Vertical
7458.1486	-53.37	-13.00	40.37	Vertical
17999.0000	-34.77	-13.00	21.77	Vertical
41.3496	-62.14	-13.00	49.14	Horizontal
232.2066	-65.87	-13.00	52.87	Horizontal
772.6691	-58.64	-13.00	45.64	Horizontal
2700.3401	-30.54	-13.00	17.54	Horizontal
7442.1481	-54.09	-13.00	41.09	Horizontal
16386.9462	-35.43	-13.00	22.43	Horizontal

**7.2.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.5351	-69.97	-13.00	56.97	Vertical
111.9691	-62.47	-13.00	49.47	Vertical
596.9934	-60.62	-13.00	47.62	Vertical
2697.5395	-31.99	-13.00	18.99	Vertical
7469.1490	-53.81	-13.00	40.81	Vertical
17973.9991	-34.65	-13.00	21.65	Vertical
42.7561	-63.02	-13.00	50.02	Horizontal



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234.2437	-65.65	-13.00	52.65	Horizontal
619.4015	-60.80	-13.00	47.80	Horizontal
2696.7393	-30.68	-13.00	17.68	Horizontal
7447.6483	-53.71	-13.00	40.71	Horizontal
16399.9467	-36.08	-13.00	23.08	Horizontal

### 7.3. Test Band = WCDMA Band V(Down Ant)

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

##### 7.3.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.1956	-72.28	-13.00	59.28	Vertical
112.5996	-64.56	-13.00	51.56	Vertical
334.8862	-68.45	-13.00	55.45	Vertical
1654.1308	-59.54	-13.00	46.54	Vertical
3000.0000	-55.50	-13.00	42.50	Vertical
17997.9999	-41.94	-13.00	28.94	Vertical
46.6848	-65.04	-13.00	52.04	Horizontal
239.6760	-68.07	-13.00	55.07	Horizontal
1654.1308	-51.99	-13.00	38.99	Horizontal
2694.3389	-55.26	-13.00	42.26	Horizontal
7477.1492	-56.80	-13.00	43.80	Horizontal
16402.9468	-45.56	-13.00	32.56	Horizontal

##### 7.3.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.1100	-72.25	-13.00	59.25	Vertical
117.3529	-64.55	-13.00	51.55	Vertical
351.8621	-67.73	-13.00	54.73	Vertical
1674.9350	-61.72	-13.00	48.72	Vertical
7931.1644	-56.35	-13.00	43.35	Vertical



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17996.9999	-41.94	-13.00	28.94	Vertical
41.2041	-64.02	-13.00	51.02	Horizontal
232.9826	-67.97	-13.00	54.97	Horizontal
1671.3343	-53.48	-13.00	40.48	Horizontal
2699.9400	-55.44	-13.00	42.44	Horizontal
7386.6462	-57.14	-13.00	44.14	Horizontal
16382.9461	-45.24	-13.00	32.24	Horizontal

### 7.3.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.9830	-72.23	-13.00	59.23	Vertical
109.3985	-65.20	-13.00	52.20	Vertical
293.1742	-69.04	-13.00	56.04	Vertical
2472.6945	-53.28	-13.00	40.28	Vertical
7360.1453	-56.69	-13.00	43.69	Vertical
17999.5000	-41.94	-13.00	28.94	Vertical
46.8303	-64.83	-13.00	51.83	Horizontal
249.4250	-68.02	-13.00	55.02	Horizontal
468.6559	-66.84	-13.00	53.84	Horizontal
2473.4947	-51.64	-13.00	38.64	Horizontal
7483.6495	-57.05	-13.00	44.05	Horizontal
16401.9467	-45.26	-13.00	32.26	Horizontal

## 7.4. Test Band = WCDMA Band V(Up Ant)

### 7.4.1. Test Mode = WCDMA/TM1

#### 7.4.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.6895	-64.47	-13.00	51.47	Vertical
381.8366	-67.94	-13.00	54.94	Vertical
1700.1400	-59.31	-13.00	46.31	Vertical



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3000.0000	-55.07	-13.00	42.07	Vertical
8529.1843	-53.62	-13.00	40.62	Vertical
17996.4999	-38.06	-13.00	25.06	Vertical
45.0843	-63.61	-13.00	50.61	Horizontal
230.2180	-66.80	-13.00	53.80	Horizontal
1650.9302	-59.55	-13.00	46.55	Horizontal
2699.5399	-55.00	-13.00	42.00	Horizontal
8387.6796	-54.81	-13.00	41.81	Horizontal
16396.9466	-42.68	-13.00	29.68	Horizontal

**7.4.1.2. Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
109.1560	-65.23	-13.00	52.23	Vertical
382.7096	-67.71	-13.00	54.71	Vertical
1700.1400	-59.18	-13.00	46.18	Vertical
3000.0000	-54.97	-13.00	41.97	Vertical
7349.1450	-54.24	-13.00	41.24	Vertical
17999.5000	-38.60	-13.00	25.60	Vertical
44.4537	-64.00	-13.00	51.00	Horizontal
231.1881	-68.04	-13.00	55.04	Horizontal
495.5263	-66.01	-13.00	53.01	Horizontal
2697.1394	-55.18	-13.00	42.18	Horizontal
7349.1450	-54.87	-13.00	41.87	Horizontal
16403.9468	-42.59	-13.00	29.59	Horizontal

**7.4.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
115.2673	-64.37	-13.00	51.37	Vertical
385.0863	-68.60	-13.00	55.60	Vertical
1700.1400	-59.28	-13.00	46.28	Vertical
2463.0926	-52.88	-13.00	39.88	Vertical



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8017.1672	-53.59	-13.00	40.59	Vertical
17993.4998	-37.94	-13.00	24.94	Vertical
42.8531	-64.93	-13.00	51.93	Horizontal
240.5975	-68.40	-13.00	55.40	Horizontal
1700.1400	-60.59	-13.00	47.59	Horizontal
3000.0000	-54.96	-13.00	41.96	Horizontal
8793.1931	-53.28	-13.00	40.28	Horizontal
16396.4465	-42.66	-13.00	29.66	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

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VL	TN	0.44	0.000239	±2.5	PASS
Band II	9262	VN	TN	1.64	0.000884	±2.5	PASS
Band II	9262	VH	TN	0.27	0.000147	±2.5	PASS
Band II	9400	VL	TN	0.01	0.000008	±2.5	PASS
Band II	9400	VN	TN	-0.10	-0.000053	±2.5	PASS
Band II	9400	VH	TN	-0.19	-0.000103	±2.5	PASS
Band II	9538	VL	TN	-1.30	-0.000682	±2.5	PASS
Band II	9538	VN	TN	-1.85	-0.000971	±2.5	PASS
Band II	9538	VH	TN	-0.96	-0.000502	±2.5	PASS
Band IV	1312	VL	TN	4.41	0.002573	±2.5	PASS
Band IV	1312	VN	TN	5.44	0.003179	±2.5	PASS
Band IV	1312	VH	TN	5.05	0.002949	±2.5	PASS
Band IV	1413	VL	TN	4.07	0.002349	±2.5	PASS
Band IV	1413	VN	TN	4.67	0.002696	±2.5	PASS
Band IV	1413	VH	TN	5.46	0.003154	±2.5	PASS
Band IV	1513	VL	TN	-3.58	-0.002045	±2.5	PASS
Band IV	1513	VN	TN	-3.19	-0.001820	±2.5	PASS
Band IV	1513	VH	TN	-2.45	-0.001396	±2.5	PASS
Band V	4132	VL	TN	-0.07	-0.000087	±2.5	PASS
Band V	4132	VN	TN	0.14	0.000173	±2.5	PASS
Band V	4132	VH	TN	-0.69	-0.000840	±2.5	PASS
Band V	4182	VL	TN	0.18	0.000214	±2.5	PASS
Band V	4182	VN	TN	-0.71	-0.000847	±2.5	PASS
Band V	4182	VH	TN	-0.28	-0.000334	±2.5	PASS
Band V	4233	VL	TN	-0.32	-0.000380	±2.5	PASS
Band V	4233	VN	TN	-0.73	-0.000862	±2.5	PASS
Band V	4233	VH	TN	-0.50	-0.000591	±2.5	PASS

### 8.2. Frequency Vs Temperature

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	1.08	0.000583	±2.5	PASS
Band II	9262	VN	-20	0.39	0.000209	±2.5	PASS
Band II	9262	VN	-10	1.34	0.000726	±2.5	PASS
Band II	9262	VN	0	1.19	0.000641	±2.5	PASS
Band II	9262	VN	10	0.02	0.000012	±2.5	PASS



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch  
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



Band II	9262	VN	20	0.88	0.000475	±2.5	PASS
Band II	9262	VN	30	1.15	0.000622	±2.5	PASS
Band II	9262	VN	40	0.11	0.000058	±2.5	PASS
Band II	9262	VN	50	1.01	0.000544	±2.5	PASS
Band II	9400	VN	-30	-0.39	-0.000205	±2.5	PASS
Band II	9400	VN	-20	-0.29	-0.000152	±2.5	PASS
Band II	9400	VN	-10	-0.13	-0.000068	±2.5	PASS
Band II	9400	VN	0	-0.09	-0.000049	±2.5	PASS
Band II	9400	VN	10	0.29	0.000152	±2.5	PASS
Band II	9400	VN	20	0.17	0.000091	±2.5	PASS
Band II	9400	VN	30	-0.53	-0.000282	±2.5	PASS
Band II	9400	VN	40	-0.36	-0.000190	±2.5	PASS
Band II	9400	VN	50	0.46	0.000243	±2.5	PASS
Band II	9538	VN	-30	-1.48	-0.000776	±2.5	PASS
Band II	9538	VN	-20	-1.93	-0.001012	±2.5	PASS
Band II	9538	VN	-10	-2.17	-0.001140	±2.5	PASS
Band II	9538	VN	0	-1.57	-0.000825	±2.5	PASS
Band II	9538	VN	10	-2.27	-0.001192	±2.5	PASS
Band II	9538	VN	20	-0.74	-0.000390	±2.5	PASS
Band II	9538	VN	30	-1.05	-0.000551	±2.5	PASS
Band II	9538	VN	40	-1.33	-0.000697	±2.5	PASS
Band II	9538	VN	50	-1.07	-0.000562	±2.5	PASS
Band IV	1312	VN	-30	5.78	0.003375	±2.5	PASS
Band IV	1312	VN	-20	5.11	0.002986	±2.5	PASS
Band IV	1312	VN	-10	5.42	0.003166	±2.5	PASS
Band IV	1312	VN	0	5.51	0.003216	±2.5	PASS
Band IV	1312	VN	10	4.88	0.002849	±2.5	PASS
Band IV	1312	VN	20	4.58	0.002673	±2.5	PASS
Band IV	1312	VN	30	4.81	0.002811	±2.5	PASS
Band IV	1312	VN	40	5.84	0.003408	±2.5	PASS
Band IV	1312	VN	50	3.88	0.002268	±2.5	PASS
Band IV	1413	VN	-30	3.35	0.001932	±2.5	PASS
Band IV	1413	VN	-20	5.45	0.003146	±2.5	PASS
Band IV	1413	VN	-10	4.79	0.002762	±2.5	PASS
Band IV	1413	VN	0	4.89	0.002824	±2.5	PASS
Band IV	1413	VN	10	4.89	0.002824	±2.5	PASS
Band IV	1413	VN	20	3.65	0.002105	±2.5	PASS
Band IV	1413	VN	30	4.68	0.002704	±2.5	PASS
Band IV	1413	VN	40	4.34	0.002506	±2.5	PASS
Band IV	1413	VN	50	5.04	0.002910	±2.5	PASS
Band IV	1513	VN	-30	-2.97	-0.001694	±2.5	PASS
Band IV	1513	VN	-20	-3.79	-0.002163	±2.5	PASS
Band IV	1513	VN	-10	-3.82	-0.002179	±2.5	PASS
Band IV	1513	VN	0	-3.68	-0.002098	±2.5	PASS
Band IV	1513	VN	10	-3.54	-0.002020	±2.5	PASS
Band IV	1513	VN	20	-3.59	-0.002049	±2.5	PASS
Band IV	1513	VN	30	-3.89	-0.002220	±2.5	PASS



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Band IV	1513	VN	40	-3.20	-0.001824	±2.5	PASS
Band IV	1513	VN	50	-3.58	-0.002041	±2.5	PASS
Band V	4132	VN	-30	1.22	0.001480	±2.5	PASS
Band V	4132	VN	-20	0.84	0.001021	±2.5	PASS
Band V	4132	VN	-10	0.00	0.000000	±2.5	PASS
Band V	4132	VN	0	0.23	0.000277	±2.5	PASS
Band V	4132	VN	10	-0.29	-0.000355	±2.5	PASS
Band V	4132	VN	20	0.36	0.000441	±2.5	PASS
Band V	4132	VN	30	-0.96	-0.001160	±2.5	PASS
Band V	4132	VN	40	-0.69	-0.000831	±2.5	PASS
Band V	4132	VN	50	0.48	0.000580	±2.5	PASS
Band V	4182	VN	-30	0.44	0.000522	±2.5	PASS
Band V	4182	VN	-20	-0.59	-0.000710	±2.5	PASS
Band V	4182	VN	-10	0.21	0.000248	±2.5	PASS
Band V	4182	VN	0	-0.66	-0.000787	±2.5	PASS
Band V	4182	VN	10	-0.77	-0.000915	±2.5	PASS
Band V	4182	VN	20	0.14	0.000162	±2.5	PASS
Band V	4182	VN	30	0.48	0.000573	±2.5	PASS
Band V	4182	VN	40	0.15	0.000180	±2.5	PASS
Band V	4182	VN	50	-0.39	-0.000470	±2.5	PASS
Band V	4233	VN	-30	-0.71	-0.000836	±2.5	PASS
Band V	4233	VN	-20	-0.36	-0.000422	±2.5	PASS
Band V	4233	VN	-10	-1.03	-0.001217	±2.5	PASS
Band V	4233	VN	0	0.30	0.000355	±2.5	PASS
Band V	4233	VN	10	-0.13	-0.000152	±2.5	PASS
Band V	4233	VN	20	-0.59	-0.000701	±2.5	PASS
Band V	4233	VN	30	-0.49	-0.000575	±2.5	PASS
Band V	4233	VN	40	-0.07	-0.000084	±2.5	PASS
Band V	4233	VN	50	-1.14	-0.001352	±2.5	PASS

The End



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