

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

### **1. RF Power Output**

#### WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	1852.4	9262	23.07
		1880	9400	23.06
		1907.6	9538	23.15

#### WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	1712.4	1312	23.03
		1732.6	1413	23.08
		1752.6	1513	22.96

#### WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	826.4	4132	23.04
		836.6	4182	23.05
		846.6	4233	22.99

## 2.Occupied Bandwidth

### WCDMA band II

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
1852.4	9262	4.176
1880	9400	4.166
1907.6	9538	4.176

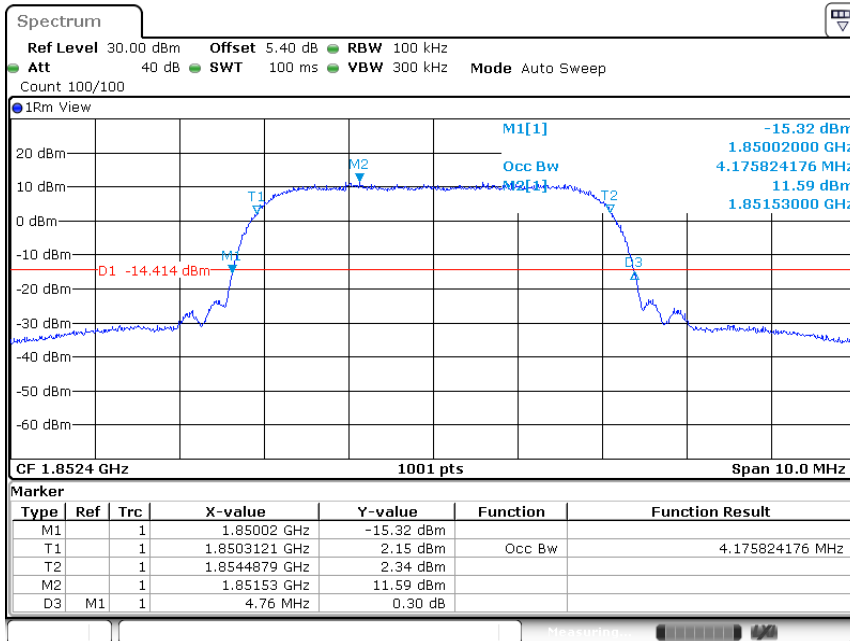
### WCDMA band IV

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
1712.4	1312	4.166
1732.6	1413	4.166
1752.6	1513	4.166

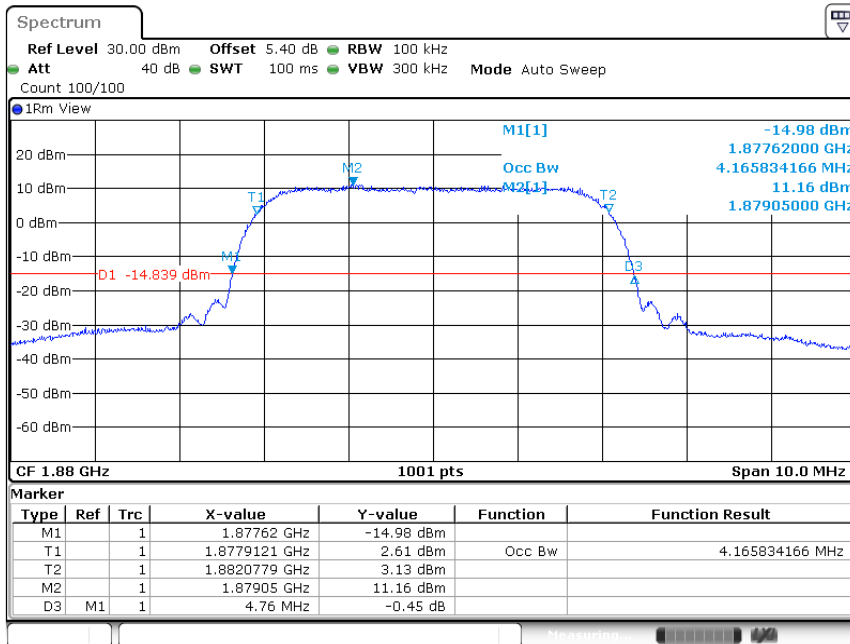
### WCDMA band V

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
826.4	4132	4.156
836.6	4182	4.156
846.6	4233	4.156

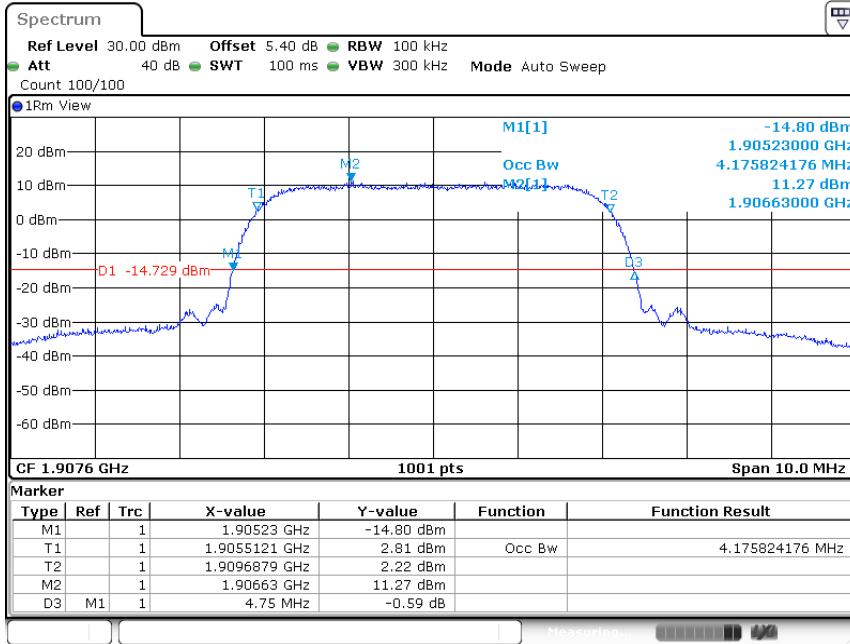
WCDMA band II



Channel 9262

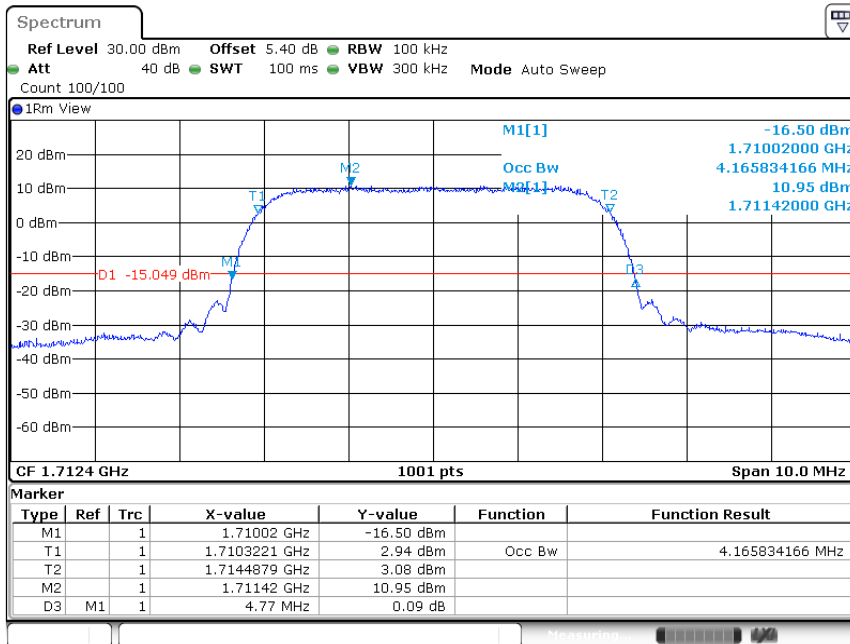


Channel 9400

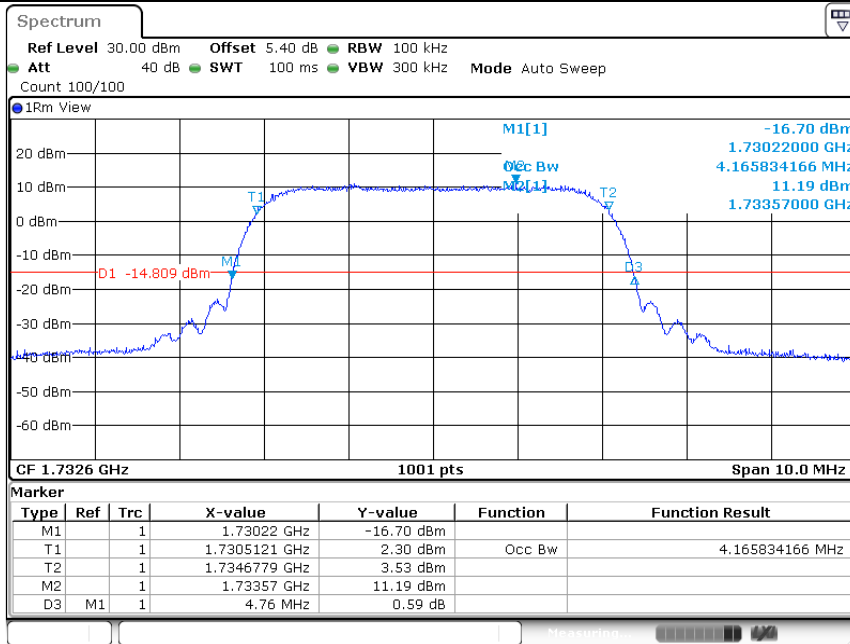


Channel 9538

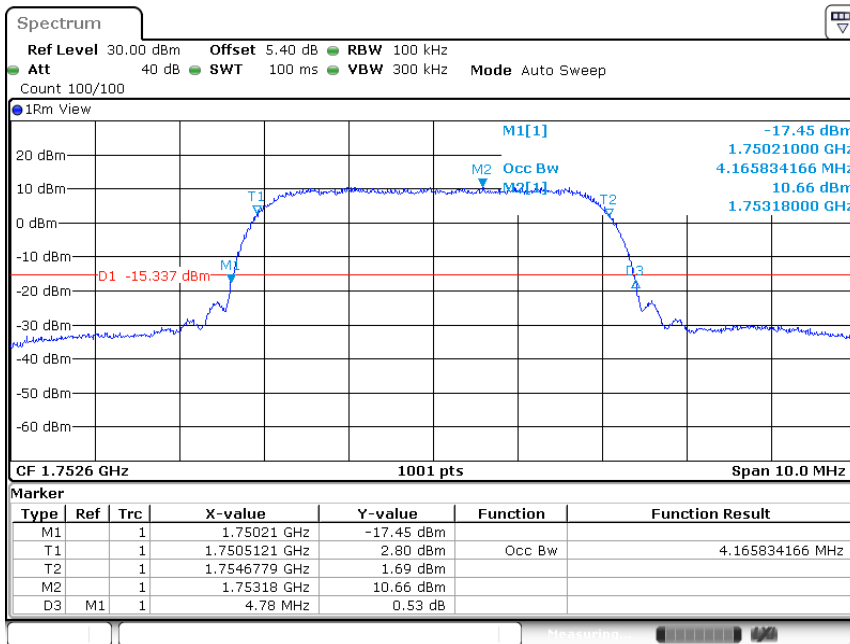
WCDMA band IV:



Channel 1312

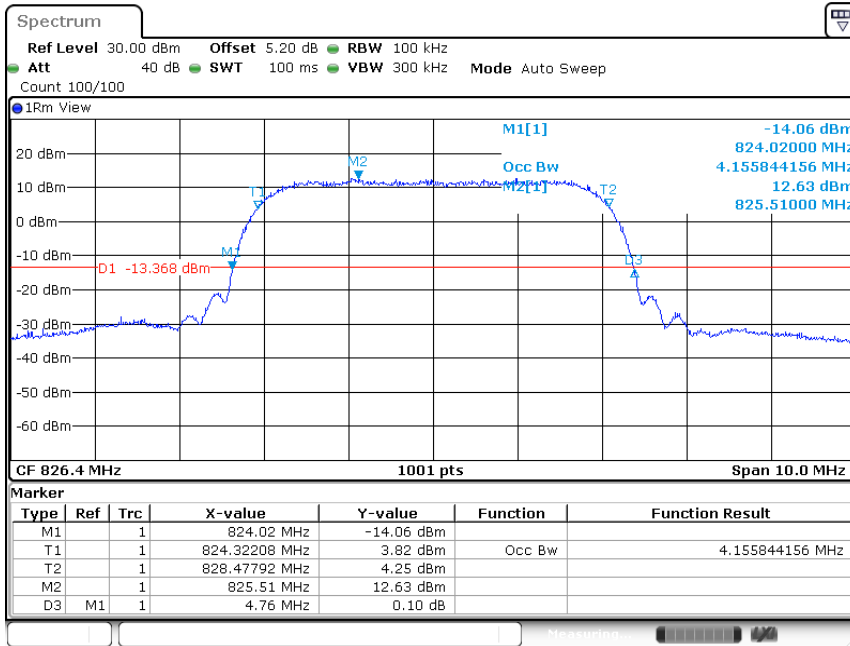


Channel 1413

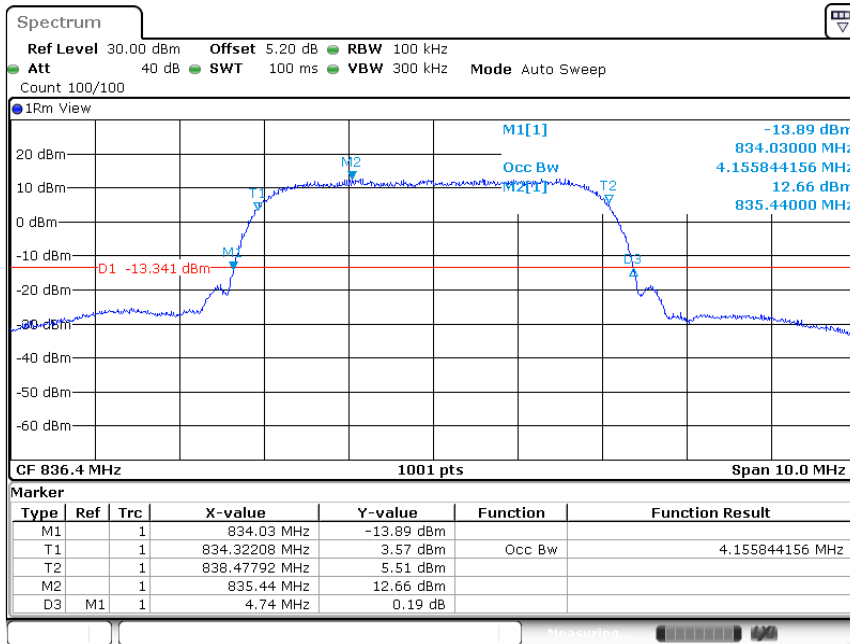


Channel 1513

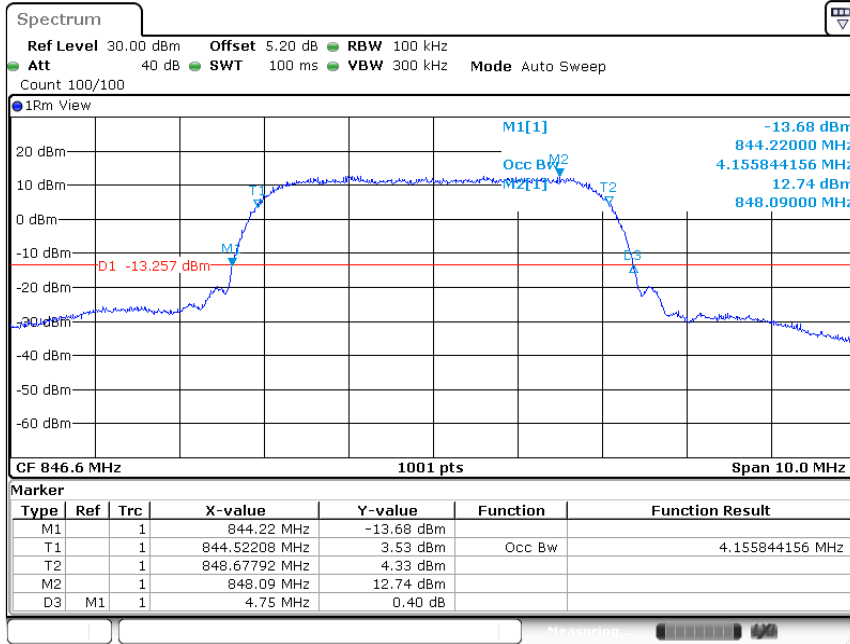
WCDMA band V:



Channel 4132



Channel 4182



Channel 4233

### 3 Emission Bandwidth

#### WCDMA band II

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
1852.4	9262	4.760
1880	9400	4.760
1907.6	9538	4.750

#### WCDMA band IV

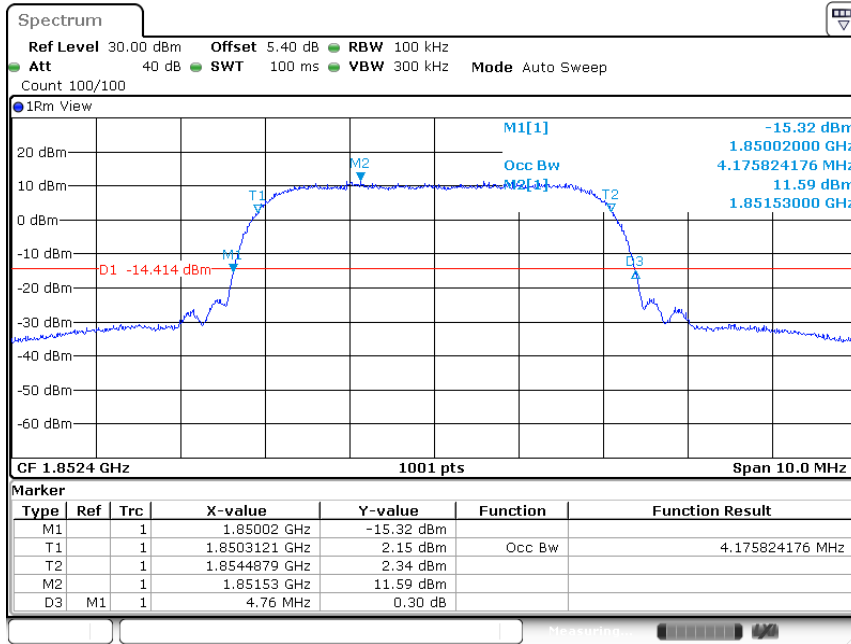
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
1712.4	1312	4.770
1732.6	1413	4.760
1752.6	1513	4.780

#### WCDMA band V

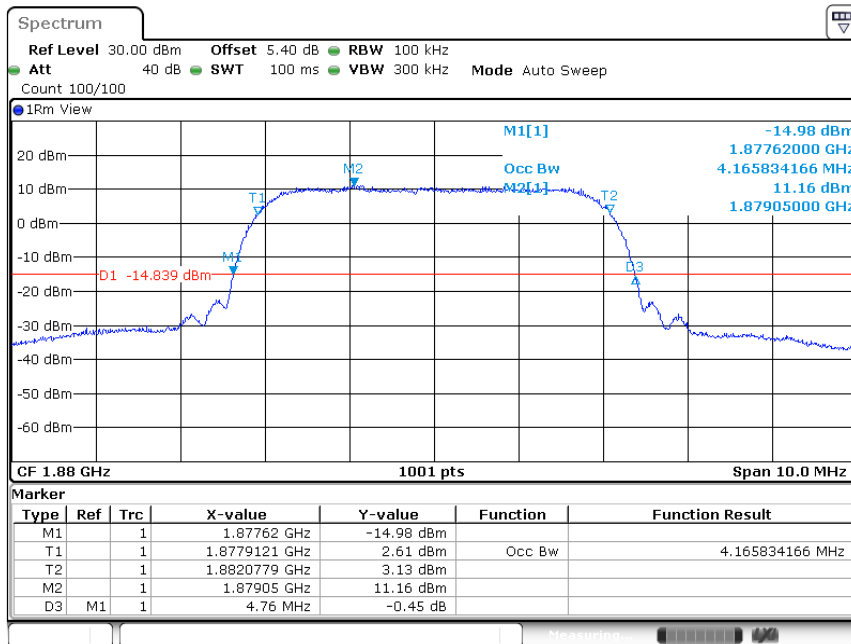
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
826.4	4.156	4.760
836.6	4.156	4.740
846.6	4.156	4.750



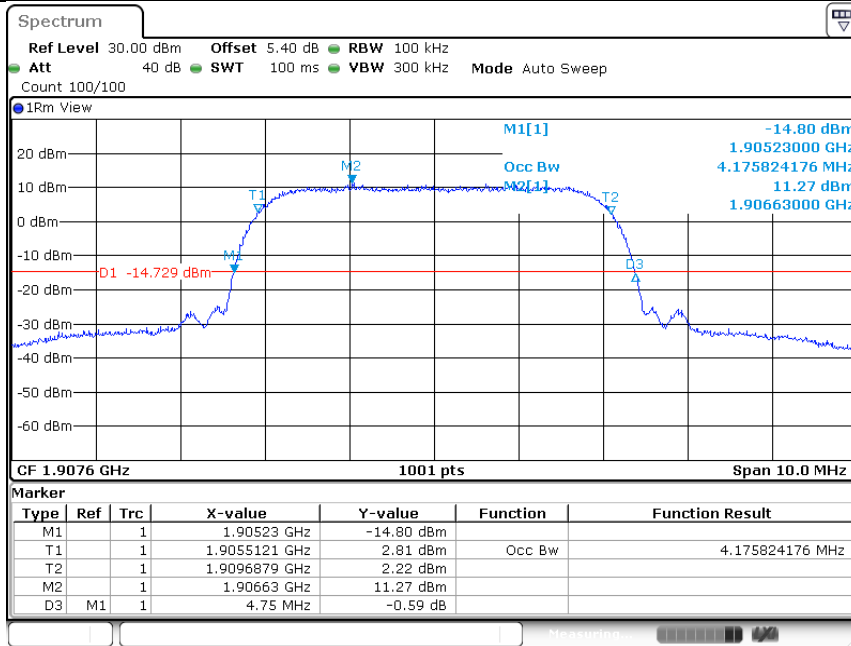
WCDMA band II  
REL99 Mode:



Channel 9262

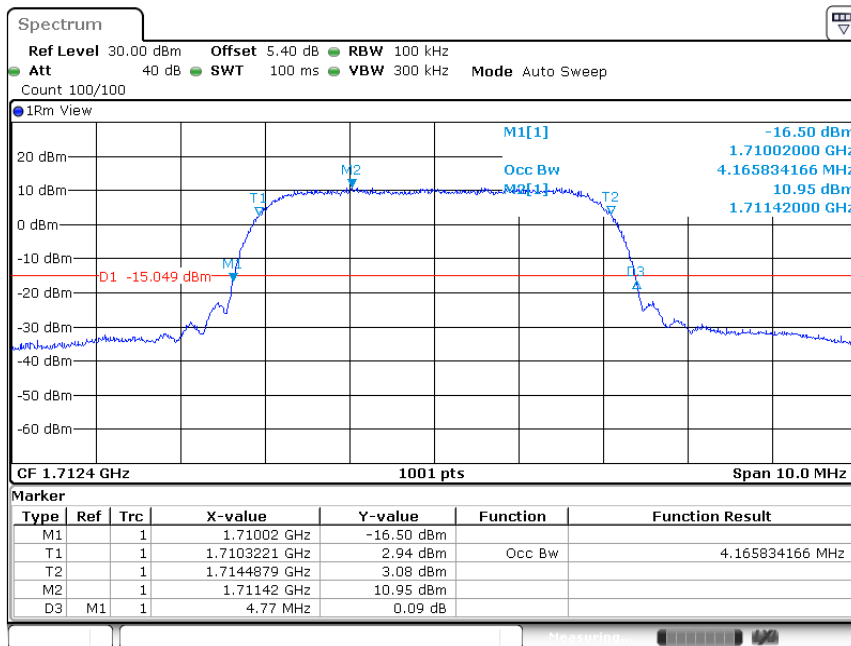


Channel 9400

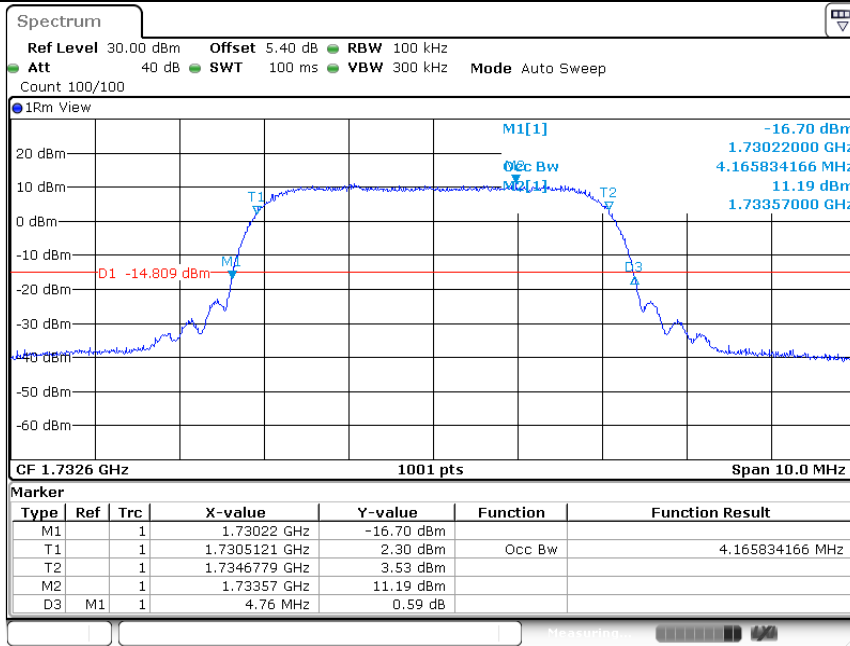


Channel 9538

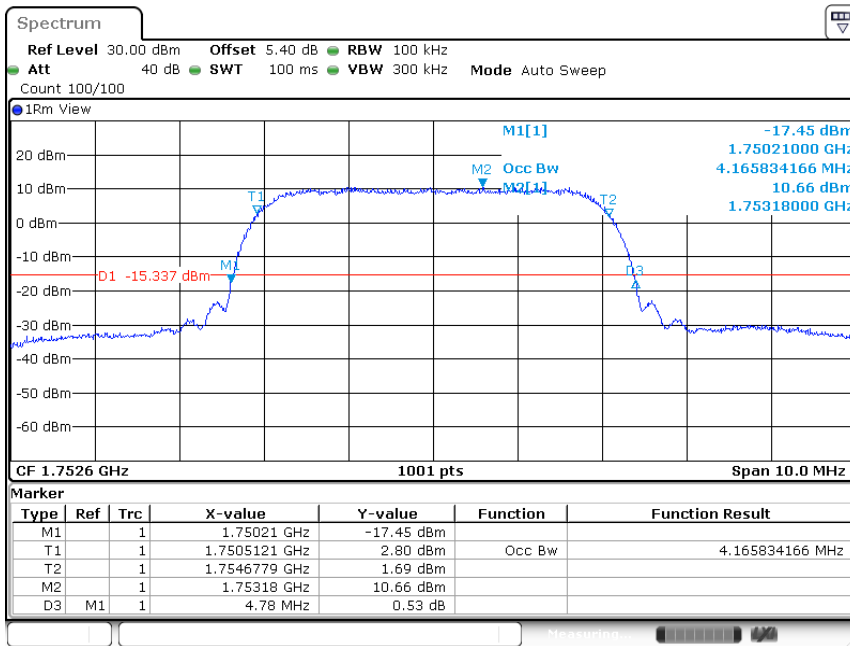
HSDPA Mode:



Channel 9262

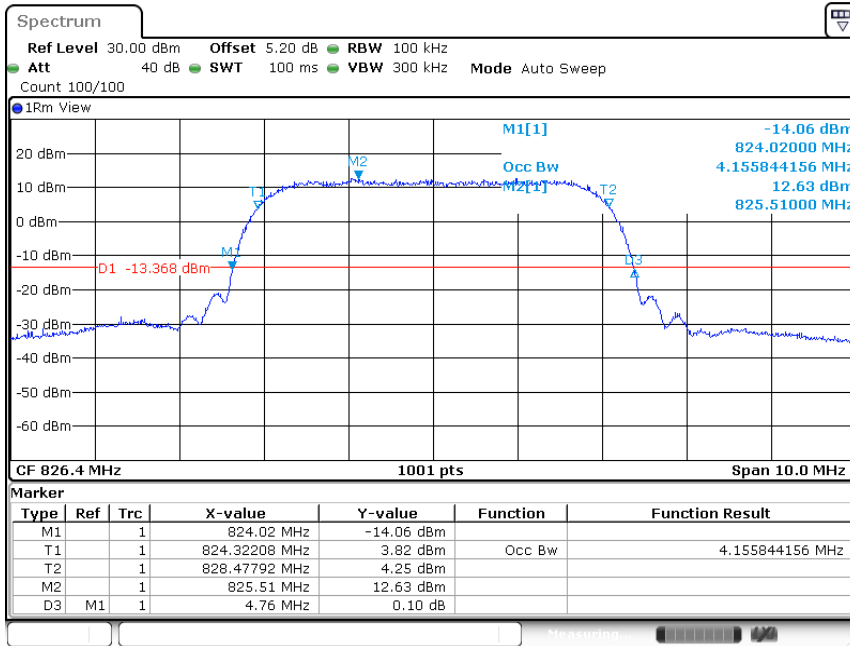


Channel 9400

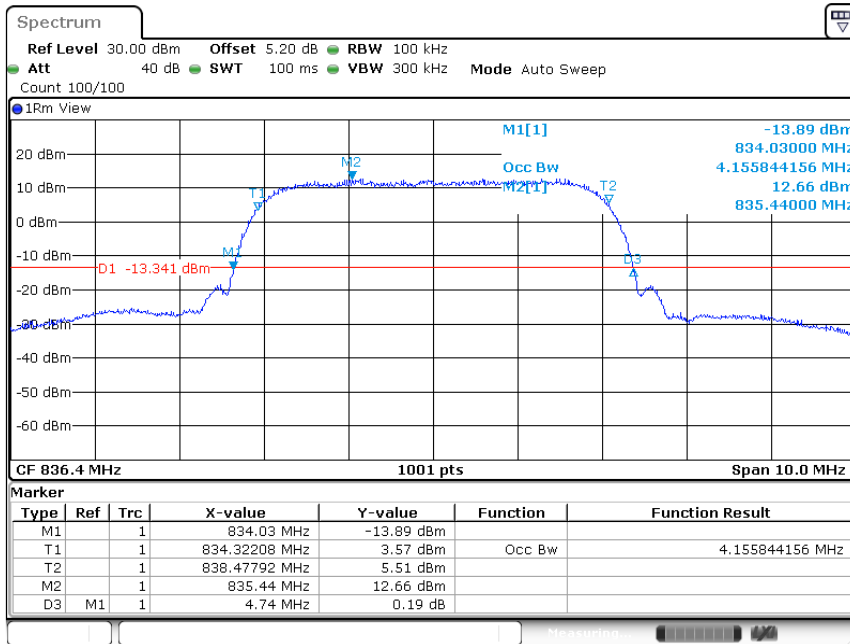


Channel 9538

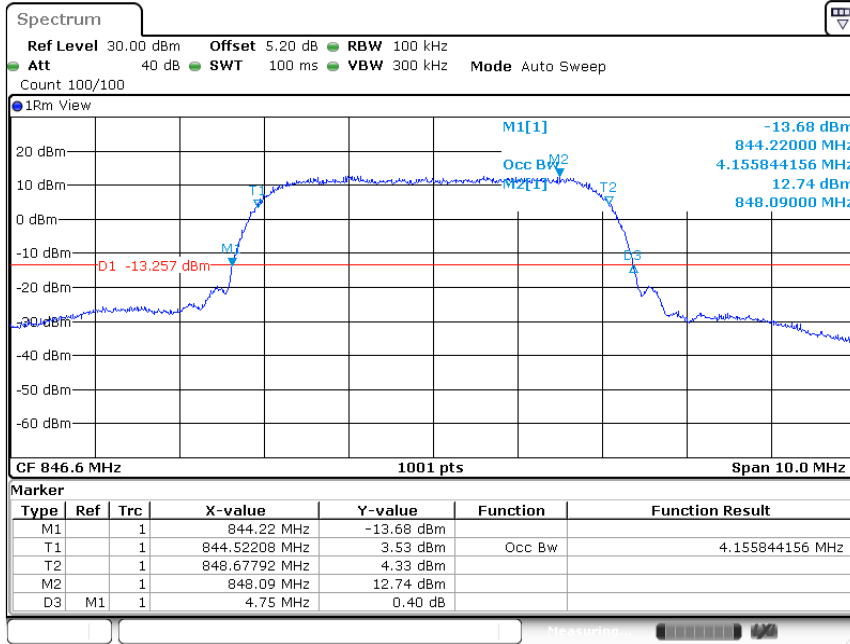
HSUPA Mode:



Channel 9262



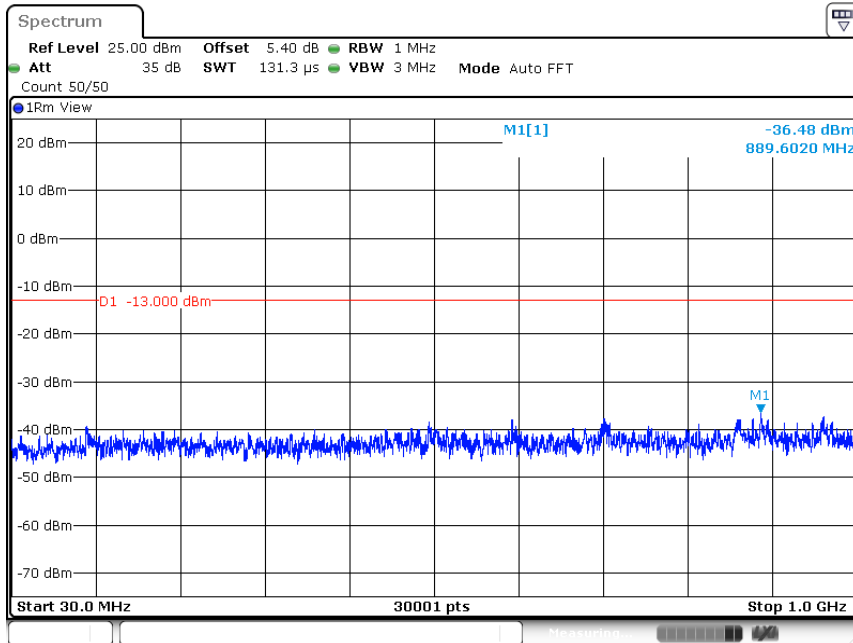
Channel 9400



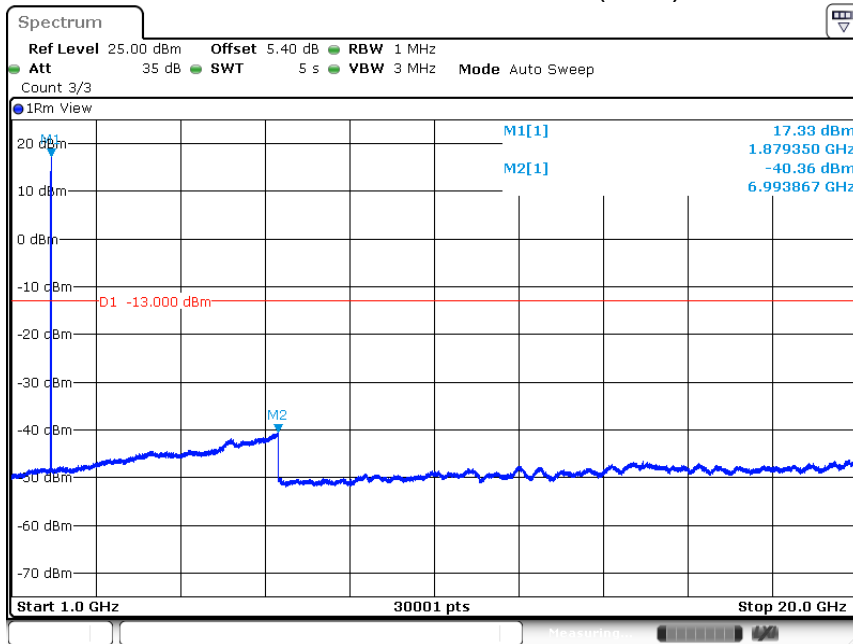
Channel 9538

## 4 Spurious Emissions at antenna terminal

### WCDMA band II



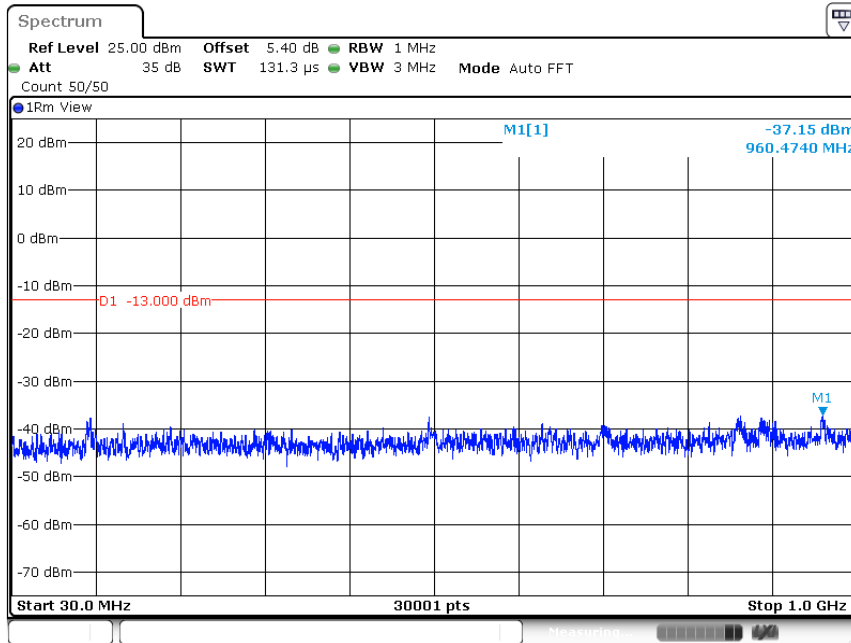
Channel 9400 30MHz~1GHz(dBm)



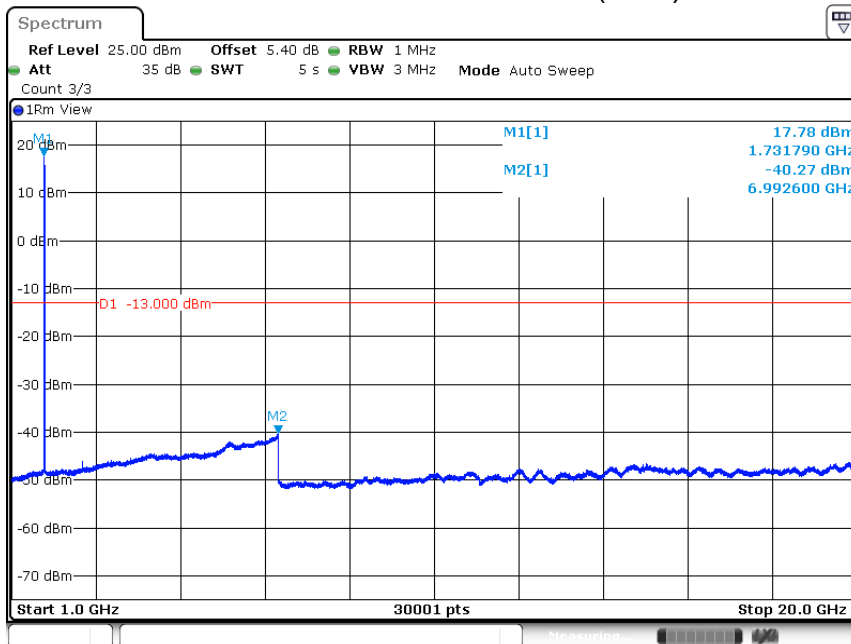
Channel 9400 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

WCDMA band IV



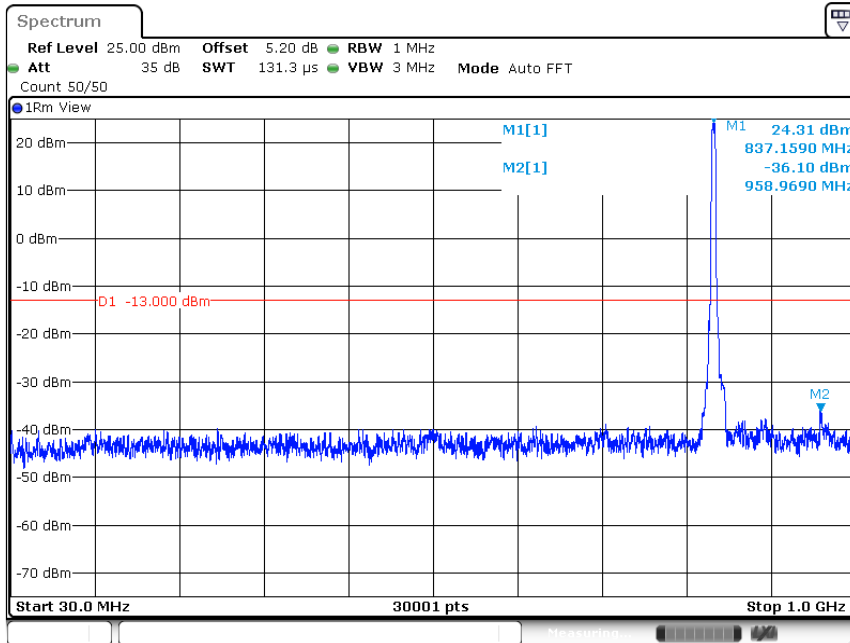
Channel 1413 30MHz~1GHz(dBm)



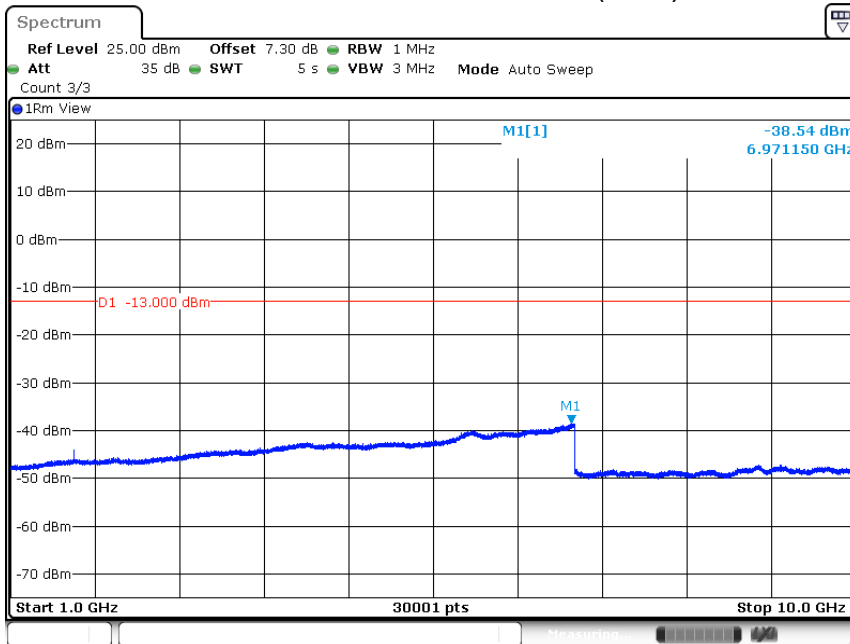
Channel 1413 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

WCDMA band V



Channel 4182 30MHz~1GHz(dBm)



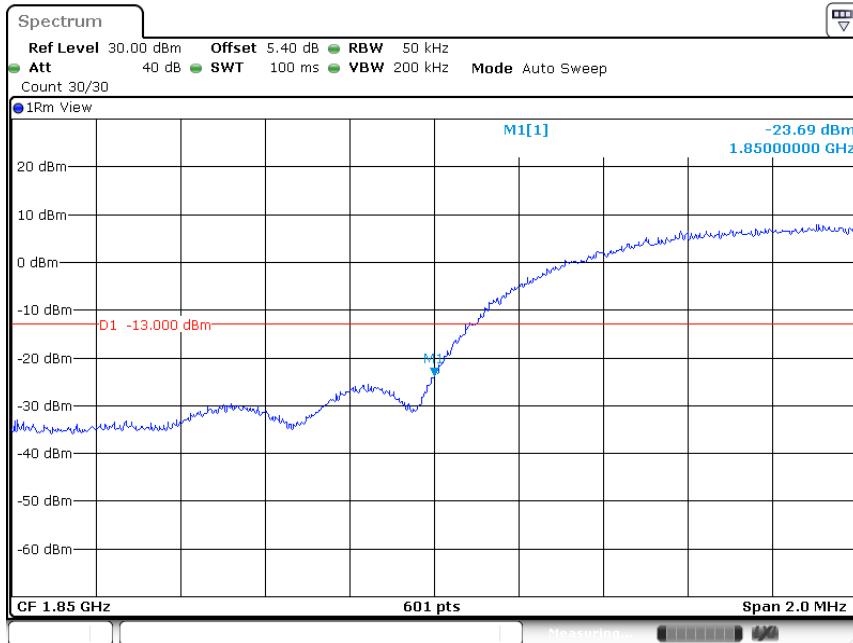
Channel 4182 1GHz~10GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

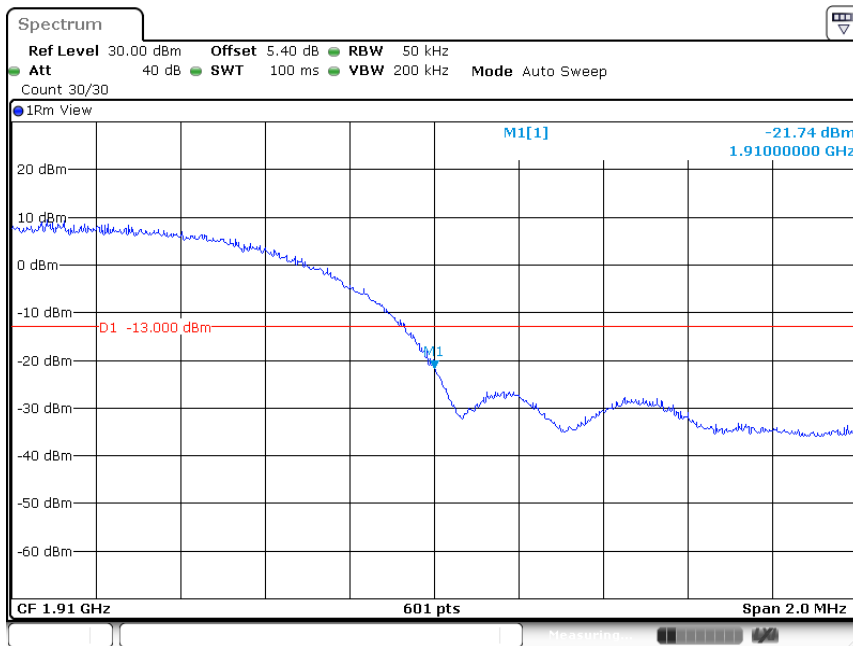


## 5 Band Edges Compliance

### WCDMA band II

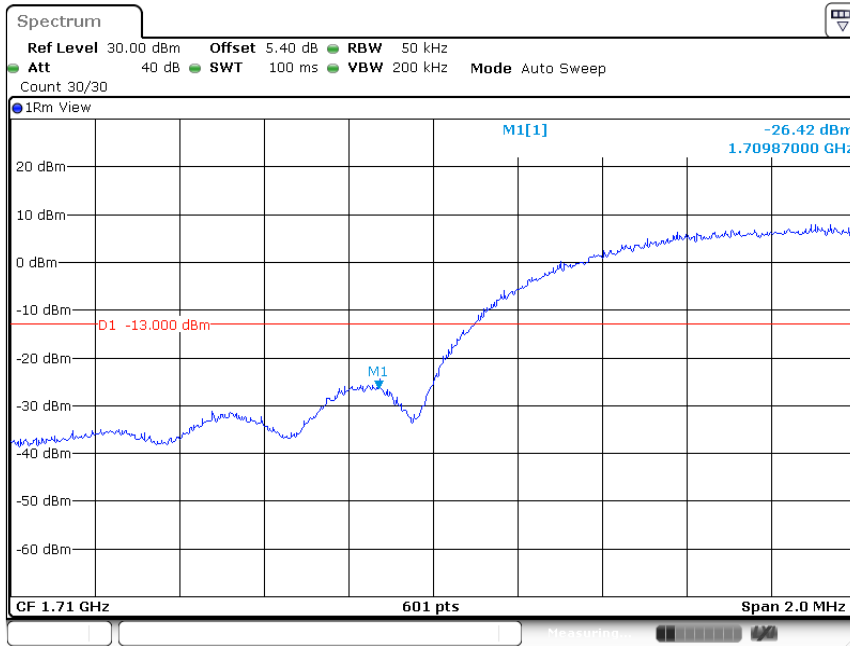


Channel 9262

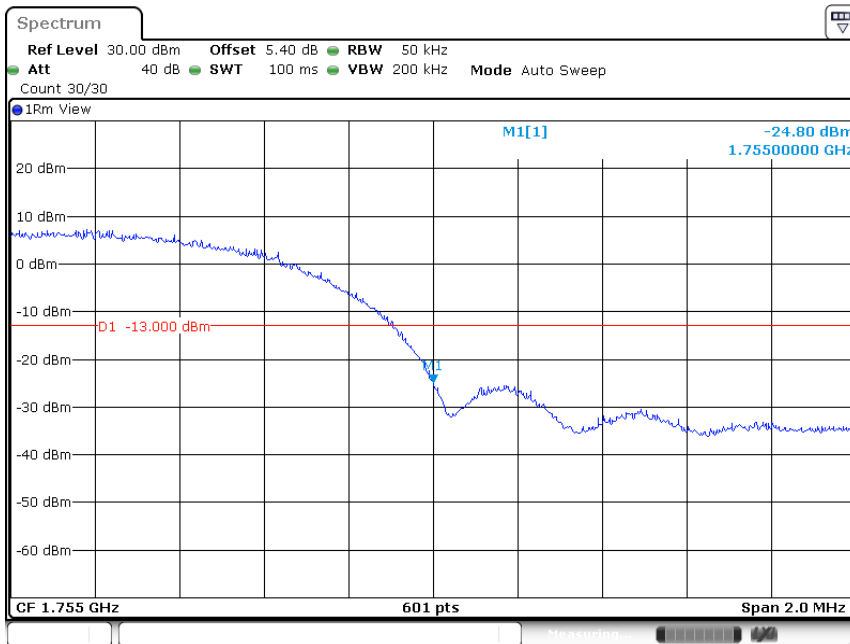


Channel 9538

WCDMA band IV

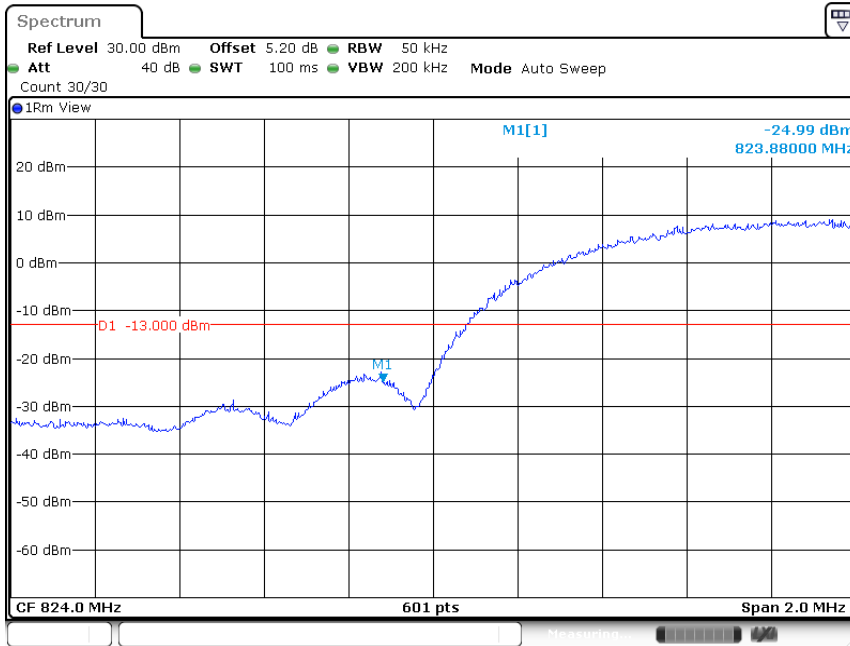


Channel 1312

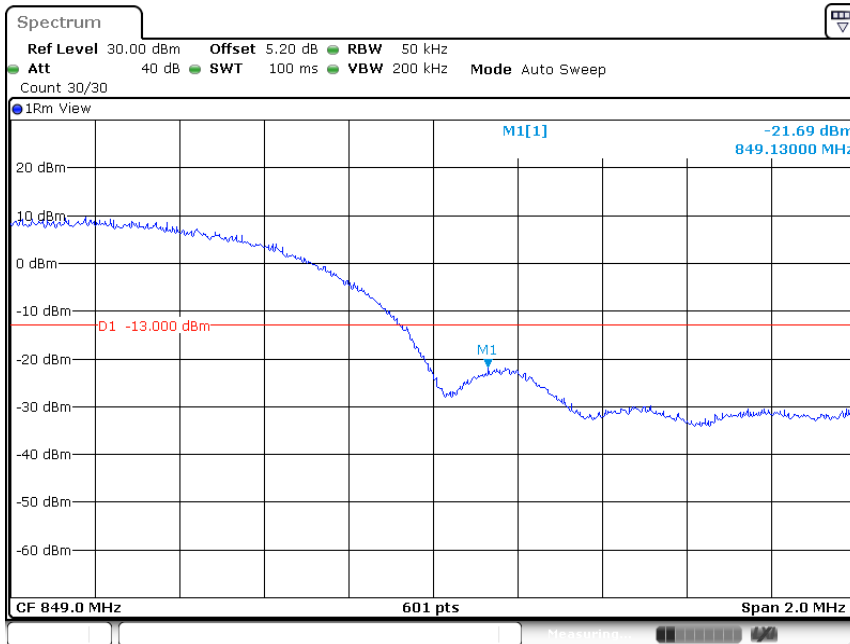


Channel 1513

WCDMA band V



Channel 4132



Channel 4233

## 6 Frequency Stability

### WCDMA band II

Temperature(°C)	Test Result (ppm)@NV		
	Channel 9262	Channel 9400	Channel 9538
-30	0.009	-0.001	0.004
-20	0.009	-0.001	0.004
-10	0.007	0.000	0.008
0	0.001	-0.004	0.009
+10	0.002	0.007	0.007
+20	0.000	0.000	0.000
+30	0.004	0.003	0.005
+40	-0.003	0.005	-0.007
+50	-0.002	-0.004	0.008
Voltage	Test Result (ppm)@NT		
	Channel 9262	Channel 9400	Channel 9538
LV	0.006	-0.010	0.005
HV	-0.002	-0.006	0.005

### WCDMA band IV

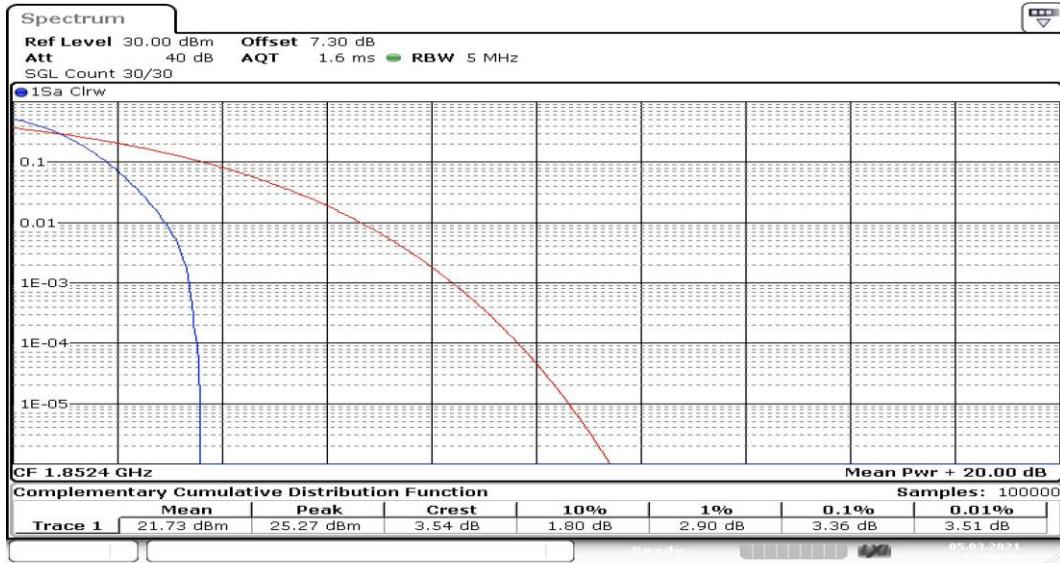
Temperature(°C)	Test Result (ppm)@NV		
	Channel 1312	Channel 1413	Channel 1513
-30	-0.005	0.009	0.005
-20	-0.005	0.009	0.005
-10	0.005	-0.003	0.003
0	0.003	0.009	-0.007
+10	0.000	-0.001	0.008
+20	0.000	0.000	0.000
+30	-0.004	0.002	0.006
+40	0.001	-0.007	-0.004
+50	0.003	-0.006	0.004
Voltage	Test Result (ppm)@NT		
	Channel 1312	Channel 1413	Channel 1513
LV	0.003	0.001	0.011
HV	-0.003	-0.005	-0.001

WCDMA band V

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4182	Channel 4233
-30	-0.007	0.003	0.004
-20	-0.007	0.003	0.004
-10	-0.005	-0.004	0.009
0	-0.010	0.004	0.008
+10	-0.005	0.010	0.003
+20	0.000	0.000	0.000
+30	0.001	-0.002	-0.005
+40	0.007	0.002	-0.004
+50	-0.010	0.007	-0.009
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4182	Channel 4233
LV	0.001	-0.002	-0.005
HV	0.007	0.002	-0.004

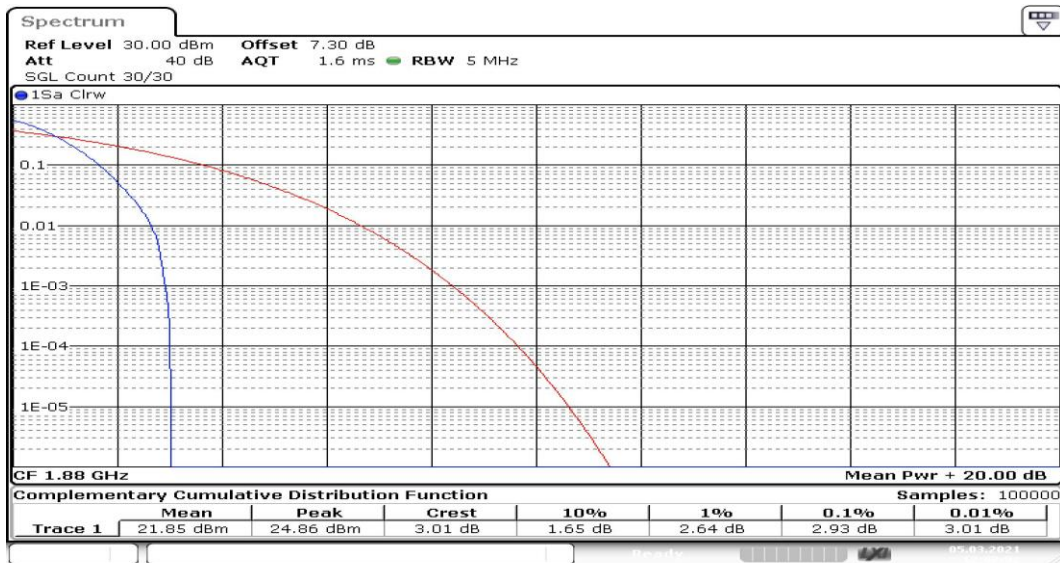
## 7 Peak-Average Ratio

### WCDMA band II



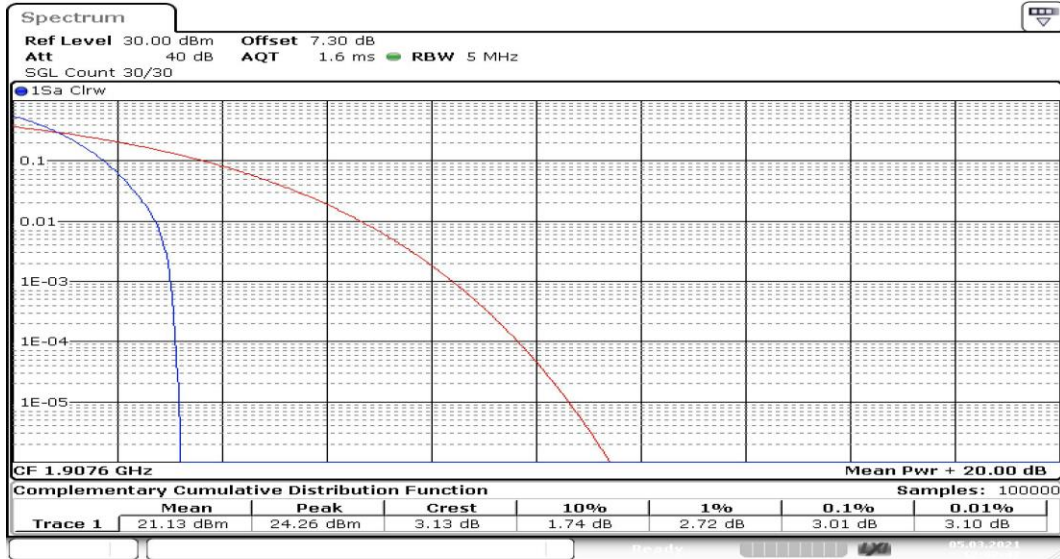
Date: 5.MAR.2021 12:06:08

### Channel 9262



Date: 5.MAR.2021 12:07:02

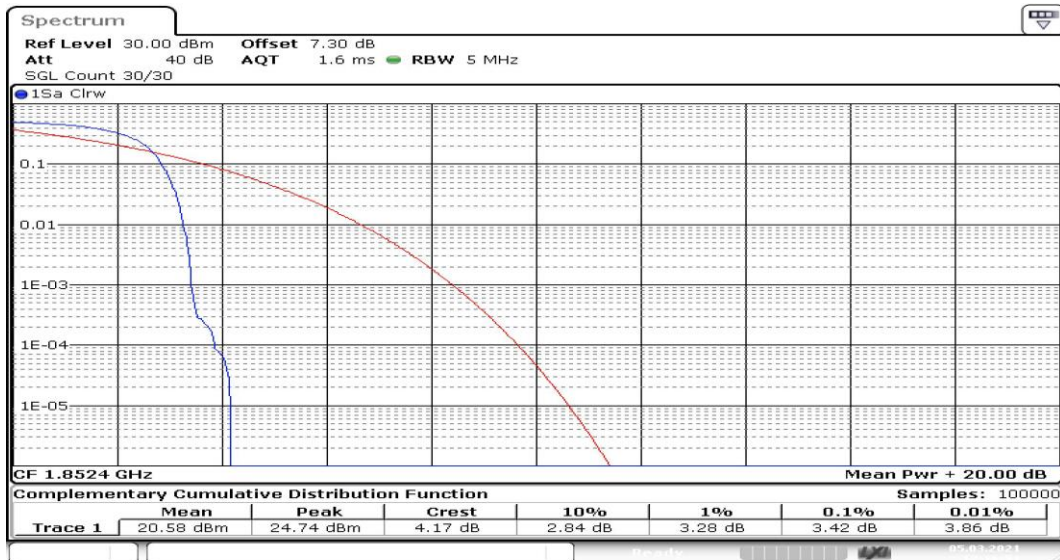
### Channel 9400



Date: 5.MAR.2021 12:07:48

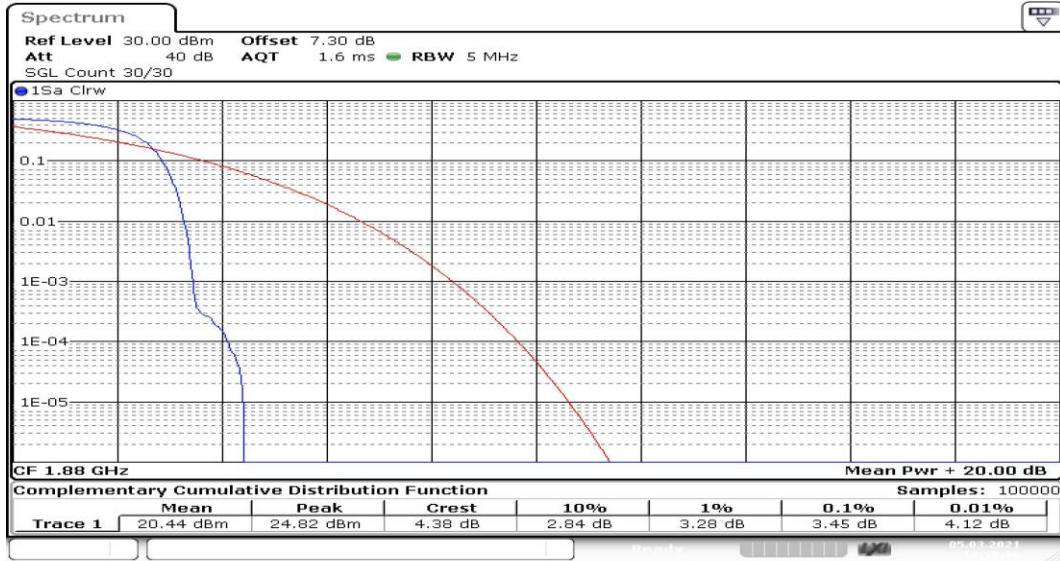
Channel 9538

WCDMA band IV



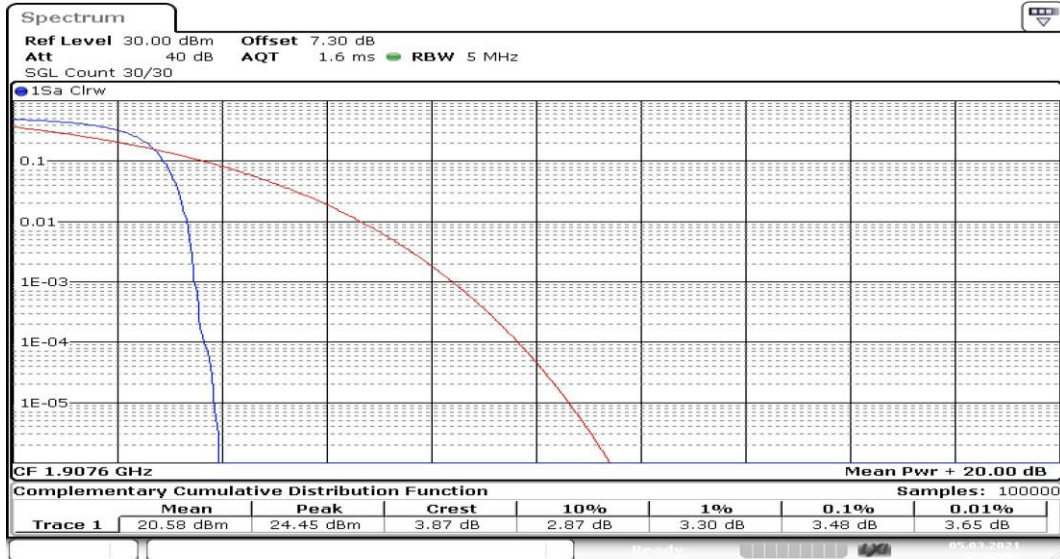
Date: 5.MAR.2021 12:16:51

Channel 1312



Date: 5.MAR.2021 12:19:31

Channel 1413

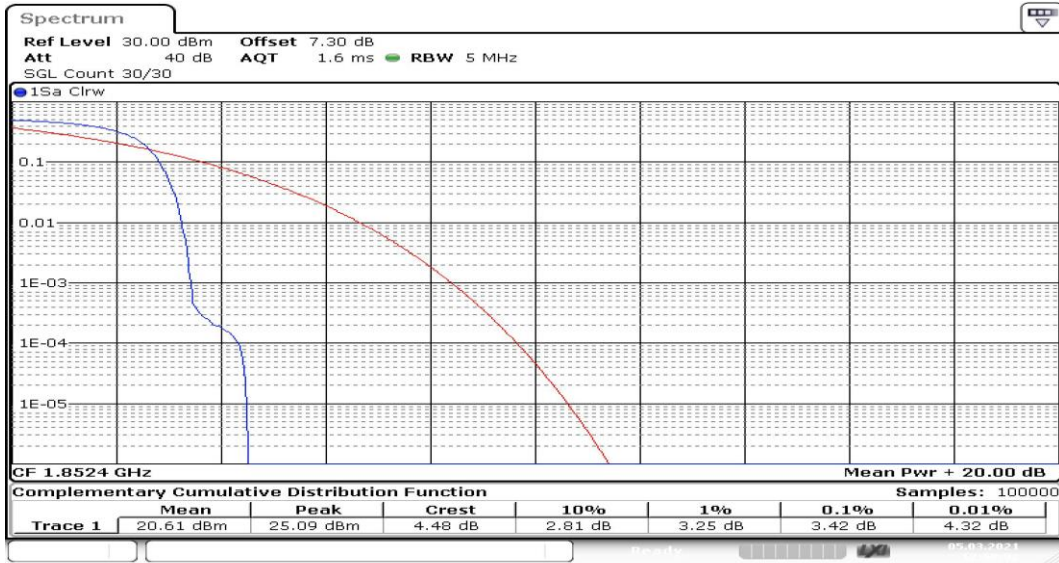


Date: 5.MAR.2021 12:22:02

Channel 1513

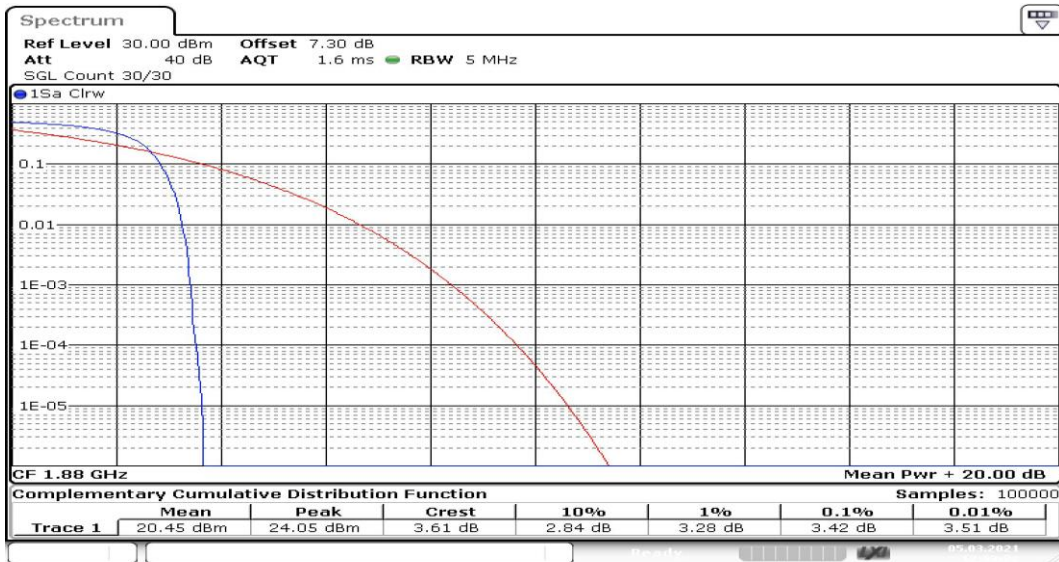


WCDMA band V



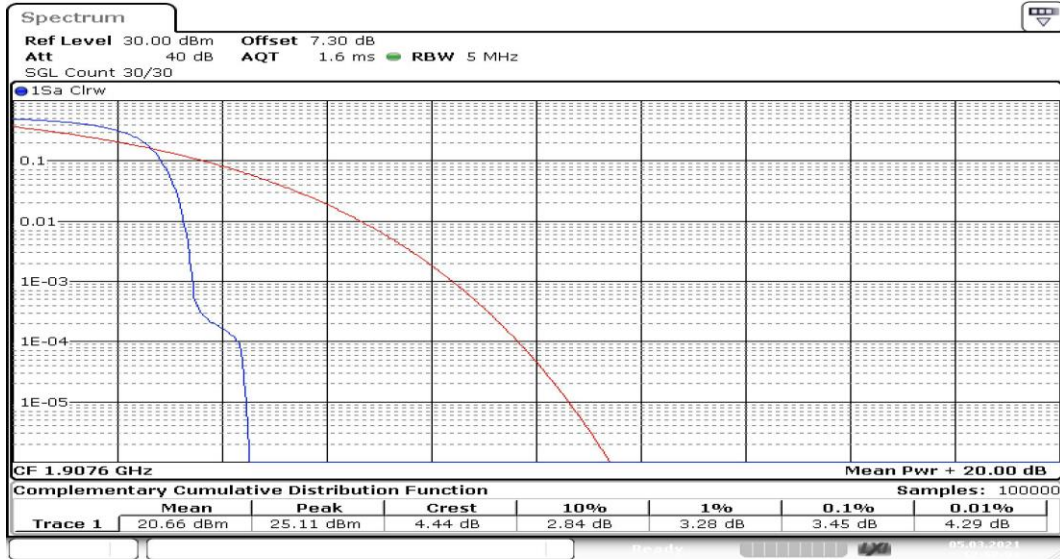
Date: 5.MAR.2021 12:50:02

Channel 4132



Date: 5.MAR.2021 12:53:23

Channel 4182



Date: 5.MAR.2021 12:57:03

Channel 4233

## 8 Effective Radiated Power and Effective Isotropic Radiated Power

### WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2 kbps	1852.4	9262	23.07	20.01	0.100
		1880	9400	23.06	20	0.100
		1907.6	9538	23.15	20.09	0.102

### WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2 kbps	1712.4	1312	23.03	20.23	0.105
		1732.6	1413	23.08	20.28	0.107
		1752.6	1513	22.96	20.16	0.104

### WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2 kbps	826.4	4132	23.04	17.43	0.055
		836.6	4182	23.05	17.44	0.055
		846.6	4233	22.99	17.38	0.055

---The end of the test report---