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

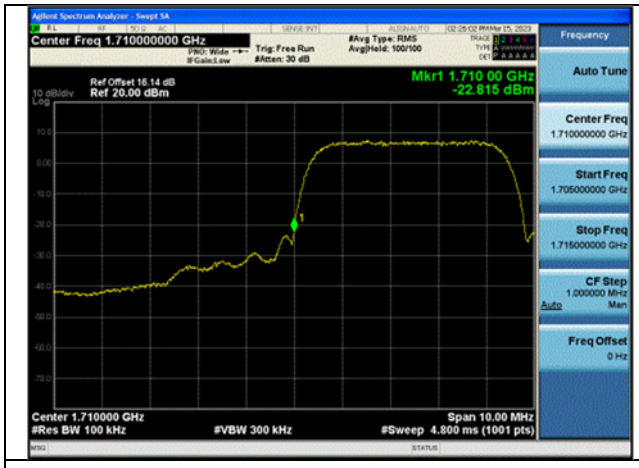
5. Band Edges Compliance

Test Mode: Release 99

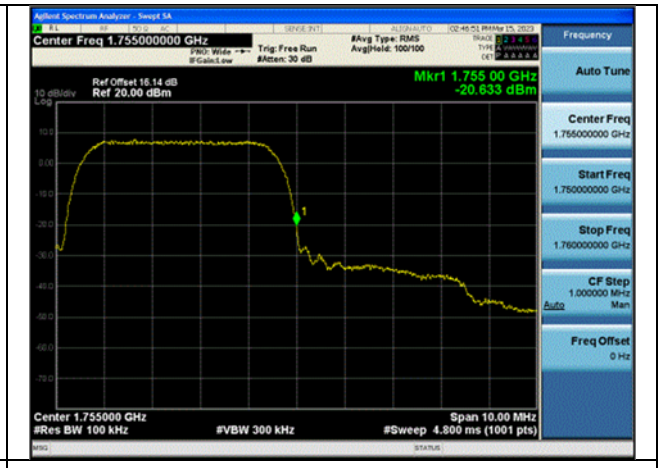
Channel 1312

Channel 1513

Test Mode: HSDPA



Channel 1312



Channel 1513

Test Mode: HSUPA

Channel 1312

Channel 1513

Test Mode: HSPA+

Channel 1312

Channel 1513

6. Frequency Stability

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Release 99	-10	0.003	0.002	0.000
Release 99	-0	0.000	0.001	0.002
Release 99	+10	0.002	0.000	0.003
Release 99	+20	0.001	0.002	0.001
Release 99	+30	0.002	0.001	0.003
Release 99	+40	0.002	0.001	0.002
Release 99	+50	0.001	0.001	0.002
Release 99	+55	0.003	0.001	0.000
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Release 99	LV	0.000	0.002	0.000
Release 99	HV	0.001	0.000	0.001

Test Mode: HSDPA

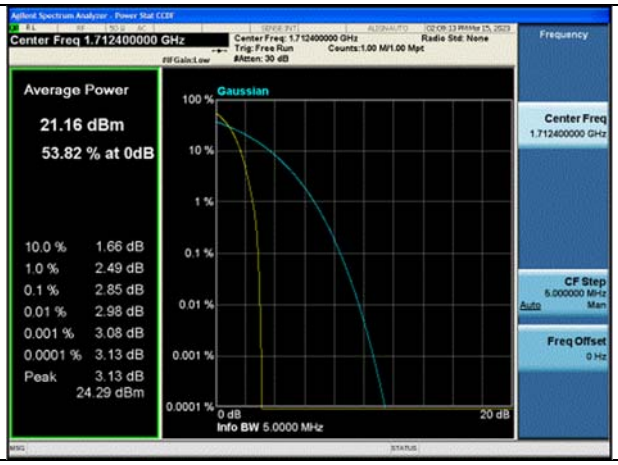
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-10	0.002	0.000	0.003
Subtest1	-0	0.003	0.002	0.003
Subtest1	+10	0.001	0.003	0.002
Subtest1	+20	0.001	0.002	0.000
Subtest1	+30	0.001	0.002	0.001
Subtest1	+40	0.001	0.002	0.001
Subtest1	+50	0.000	0.001	0.003
Subtest1	+55	0.001	0.001	0.002
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.000	0.000	0.000
Subtest1	HV	0.000	0.000	0.000

Test Mode: HSUPA

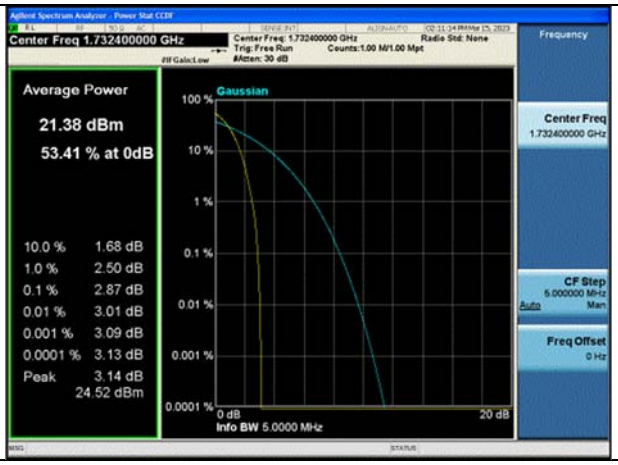
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-10	0.002	0.001	0.001
Subtest1	-0	0.002	0.002	0.001
Subtest1	+10	0.003	0.001	0.001
Subtest1	+20	0.002	0.001	0.001
Subtest1	+30	0.002	0.003	0.001
Subtest1	+40	0.002	0.003	0.001
Subtest1	+50	0.001	0.002	0.001
Subtest1	+55	0.003	0.001	0.002
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.002	0.001	0.002
Subtest1	HV	0.001	0.001	0.002

7. Peak-Average Ratio

Test Mode: Release 99



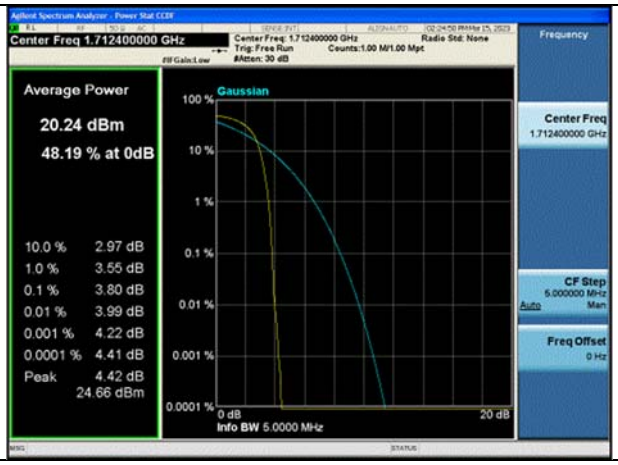
Channel 1312



Channel 1412

Channel 1513

Test Mode: HSDPA

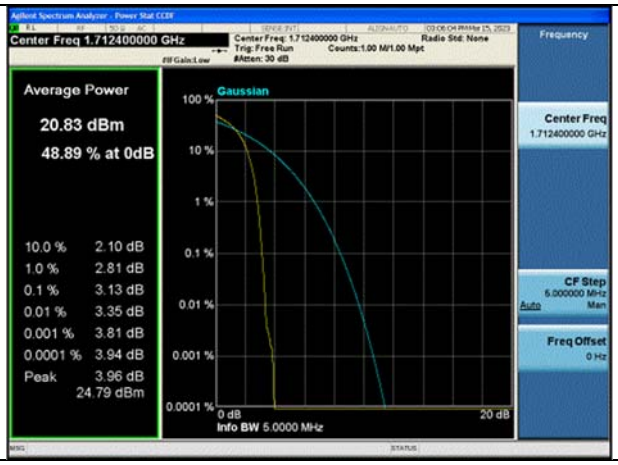


Channel 1312

Channel 1412

Channel 1513

Test Mode: HSUPA



Channel 1312

Channel 1412

Channel 1513

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8. Effective Radiated Power and Effective Isotropic Radiated Power

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	1712.4	1312	22.38	20.38	0.109
Release 99	RMC,12.2kbps	1732.6	1412	22.44	20.44	0.111
Release 99	RMC,12.2kbps	1752.6	1513	22.17	20.17	0.104

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	21.62	19.62	0.092
HSDPA	Subtest1	1732.6	1412	21.65	19.65	0.092
HSDPA	Subtest1	1752.6	1513	21.33	19.33	0.086
HSDPA	Subtest2	1712.4	1312	21.21	19.21	0.083
HSDPA	Subtest2	1732.6	1412	21.20	19.20	0.083
HSDPA	Subtest2	1752.6	1513	20.91	18.91	0.078
HSDPA	Subtest3	1712.4	1312	21.13	19.13	0.082
HSDPA	Subtest3	1732.6	1412	21.13	19.13	0.082
HSDPA	Subtest3	1752.6	1513	20.74	18.74	0.075
HSDPA	Subtest4	1712.4	1312	21.12	19.12	0.082
HSDPA	Subtest4	1732.6	1412	21.12	19.12	0.082
HSDPA	Subtest4	1752.6	1513	20.72	18.72	0.074

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	21.63	19.63	0.092
HSUPA	Subtest1	1732.6	1412	21.66	19.66	0.092
HSUPA	Subtest1	1752.6	1513	21.36	19.36	0.086
HSUPA	Subtest2	1712.4	1312	19.64	17.64	0.058
HSUPA	Subtest2	1732.6	1412	19.66	17.66	0.058
HSUPA	Subtest2	1752.6	1513	19.36	17.36	0.054
HSUPA	Subtest3	1712.4	1312	20.63	18.63	0.073
HSUPA	Subtest3	1732.6	1412	20.63	18.63	0.073
HSUPA	Subtest3	1752.6	1513	20.37	18.37	0.069
HSUPA	Subtest4	1712.4	1312	19.46	17.46	0.056
HSUPA	Subtest4	1732.6	1412	19.32	17.32	0.054
HSUPA	Subtest4	1752.6	1513	19.22	17.22	0.053
HSUPA	Subtest5	1712.4	1312	21.63	19.63	0.092
HSUPA	Subtest5	1732.6	1412	21.65	19.65	0.092
HSUPA	Subtest5	1752.6	1513	21.35	19.35	0.086

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	21.08	19.08	0.081
HSPA+	QPSK	1732.6	1412	21.21	19.21	0.083
HSPA+	QPSK	1752.6	1513	20.90	18.90	0.078
HSPA+	16QAM	1712.4	1312	21.20	19.20	0.083
HSPA+	16QAM	1732.6	1412	21.21	19.21	0.083
HSPA+	16QAM	1752.6	1513	20.91	18.91	0.078

WCDMA Band V

1. **RF Power Output**

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	826.4	4132	23.33
Release 99	RMC,12.2kbps	836.6	4183	23.29
Release 99	RMC,12.2kbps	846.6	4233	23.16

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	22.40
HSDPA	Subtest1	836.6	4183	22.31
HSDPA	Subtest1	846.6	4233	22.20
HSDPA	Subtest2	826.4	4132	21.98
HSDPA	Subtest2	836.6	4183	21.90
HSDPA	Subtest2	846.6	4233	21.78
HSDPA	Subtest3	826.4	4132	21.88
HSDPA	Subtest3	836.6	4183	21.82
HSDPA	Subtest3	846.6	4233	21.67
HSDPA	Subtest4	826.4	4132	21.87
HSDPA	Subtest4	836.6	4183	21.80
HSDPA	Subtest4	846.6	4233	21.67

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	22.38
HSUPA	Subtest1	836.6	4183	22.46
HSUPA	Subtest1	846.6	4233	22.35
HSUPA	Subtest2	826.4	4132	20.35
HSUPA	Subtest2	836.6	4183	20.47
HSUPA	Subtest2	846.6	4233	20.33
HSUPA	Subtest3	826.4	4132	21.38
HSUPA	Subtest3	836.6	4183	21.47
HSUPA	Subtest3	846.6	4233	21.34
HSUPA	Subtest4	826.4	4132	20.08
HSUPA	Subtest4	836.6	4183	20.35
HSUPA	Subtest4	846.6	4233	20.09
HSUPA	Subtest5	826.4	4132	22.39
HSUPA	Subtest5	836.6	4183	22.46
HSUPA	Subtest5	846.6	4233	22.35

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	21.38
HSPA+	QPSK	836.6	4183	21.13
HSPA+	QPSK	846.6	4233	21.33
HSPA+	16QAM	826.4	4132	21.41
HSPA+	16QAM	836.6	4183	21.39
HSPA+	16QAM	846.6	4233	21.24

2. Occupied Bandwidth

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.14
Release 99	836.6	4183	4.15
Release 99	846.6	4233	4.15

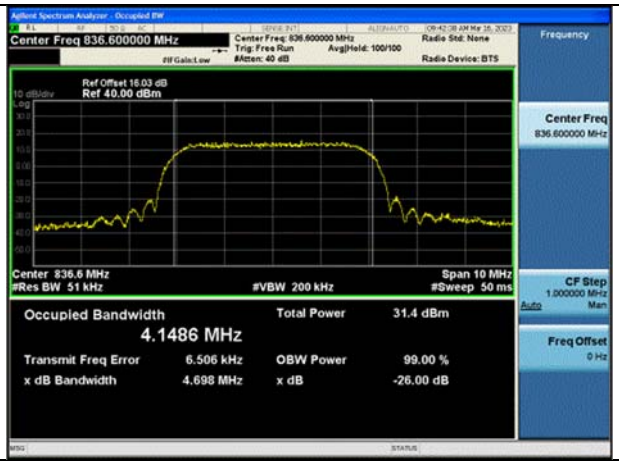
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	826.4	4132	4.14
HSDPA	836.6	4183	4.13
HSDPA	846.6	4233	4.14

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.14
HSUPA	836.6	4183	4.14
HSUPA	846.6	4233	4.14

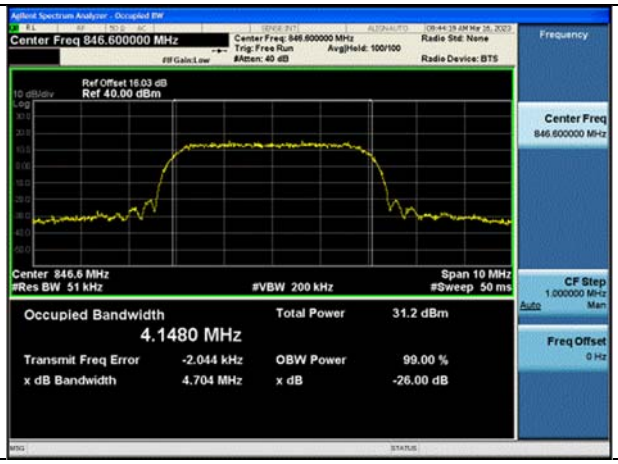
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	826.4	4132	4.14
HSPA+	836.6	4183	4.15
HSPA+	846.6	4233	4.14

Test Mode: Release 99

Channel 4132



Channel 4183



Channel 4233

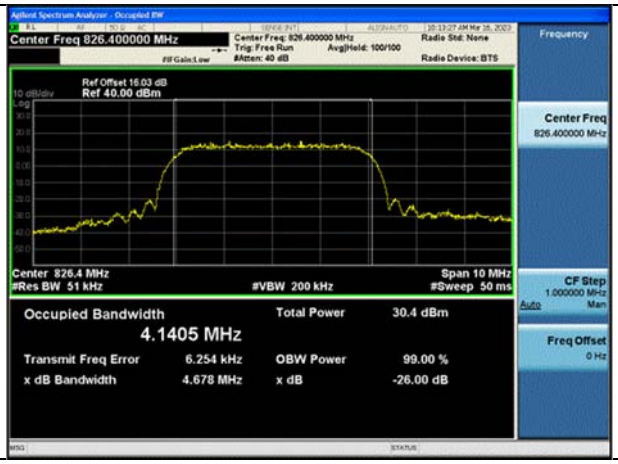
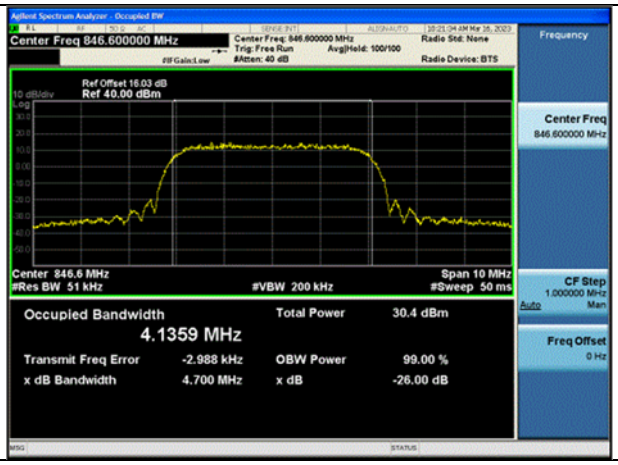
Test Mode: HSDPA

Channel 4132

Channel 4183

Channel 4233	---

Test Mode: HSUPA

	
Channel 4132	Channel 4183
	
Channel 4233	---

Test Mode: HSPA+

Channel 4132

Channel 4183

Channel 4233

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3. Emission Bandwidth

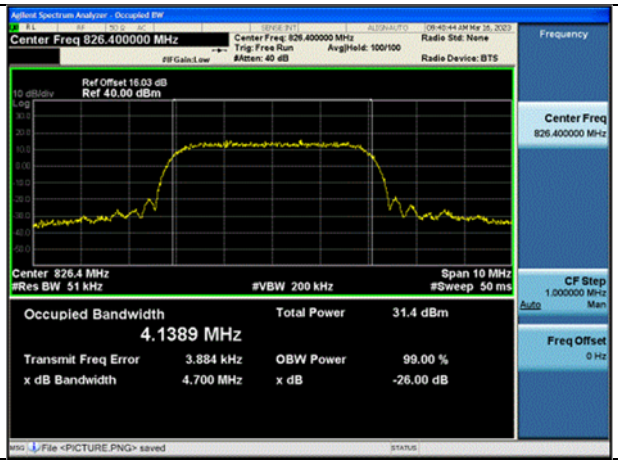
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.70
Release 99	836.6	4183	4.70
Release 99	846.6	4233	4.70

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.70
HSDPA	836.6	4183	4.66
HSDPA	846.6	4233	4.66

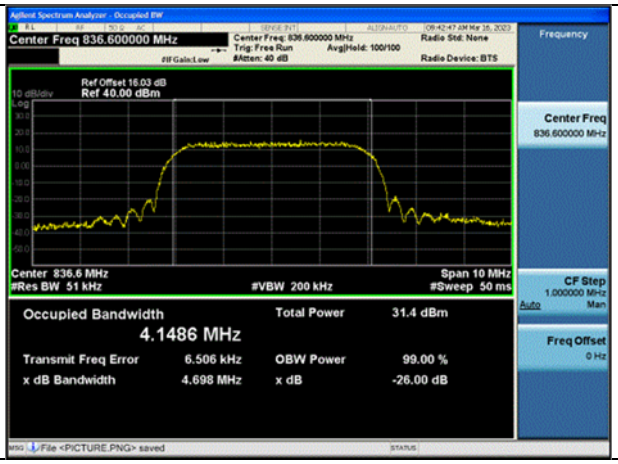
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.68
HSUPA	836.6	4183	4.68
HSUPA	846.6	4233	4.70

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	826.4	4132	4.71
HSPA+	836.6	4183	4.68
HSPA+	846.6	4233	4.70

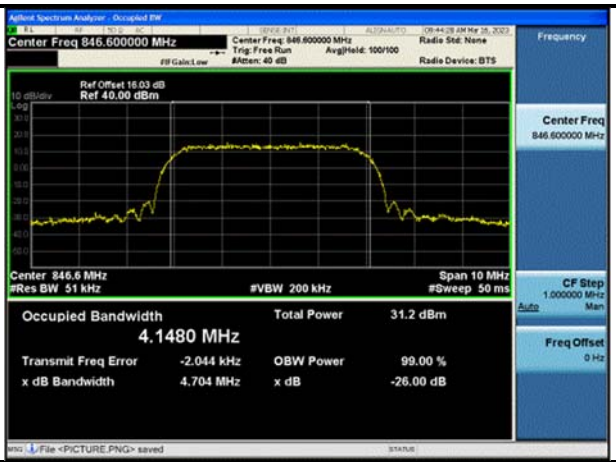
Test Mode: Release 99



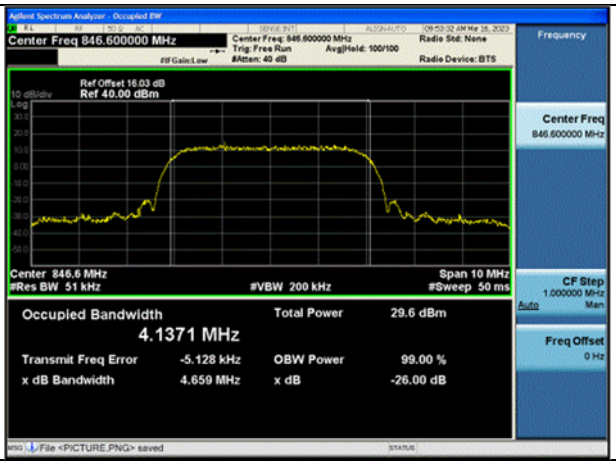
Channel 4132



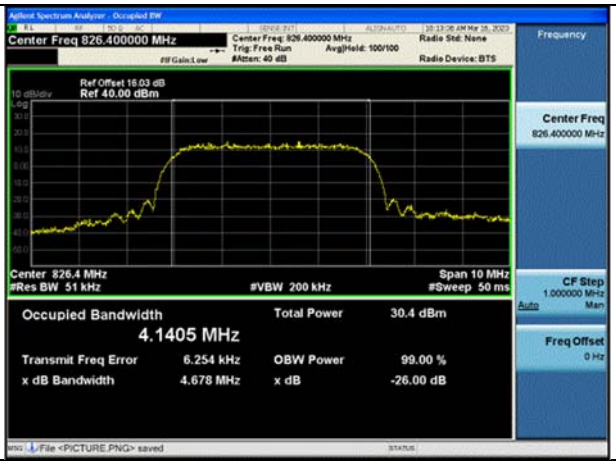
Channel 4183

	
Channel 4233	---

Test Mode: HSDPA

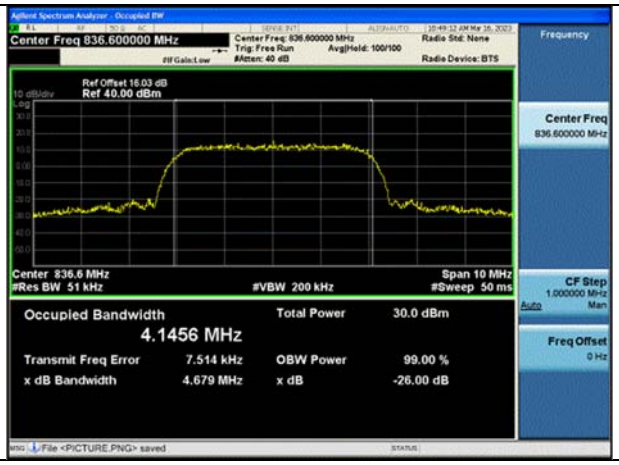
Channel 4132	Channel 4183
	
Channel 4233	---

Test Mode: HSUPA

	
Channel 4132	Channel 4183
Channel 4233	---

Test Mode: HSPA+

Channel 4132



Channel 4183

Channel 4233

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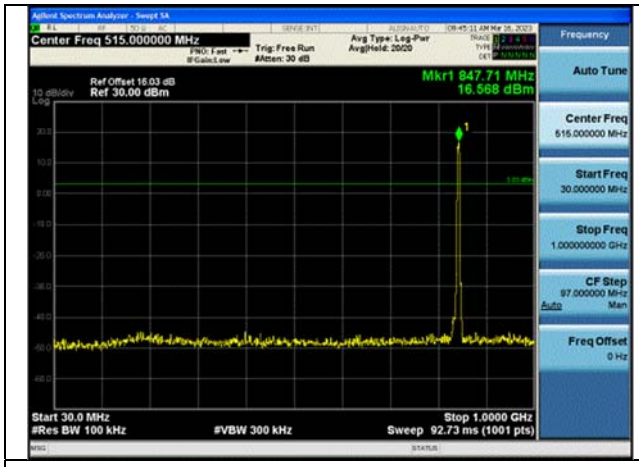
4. Spurious Emissions at antenna terminal

Test Mode: Release 99

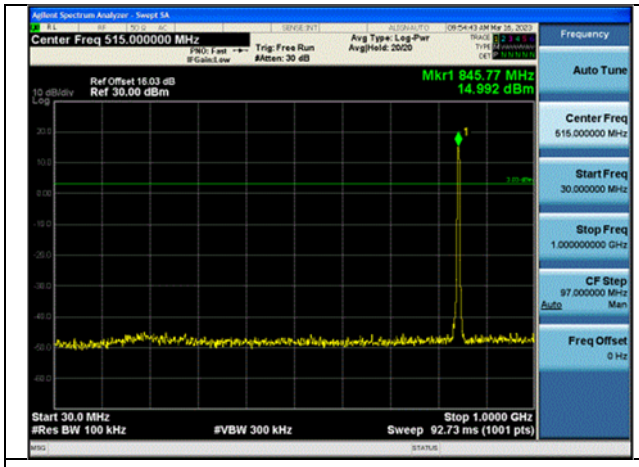


Channel 4132 30MHz~1GHz

Channel 4132 1GHz~20GHz

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

Test Mode: HSDPA

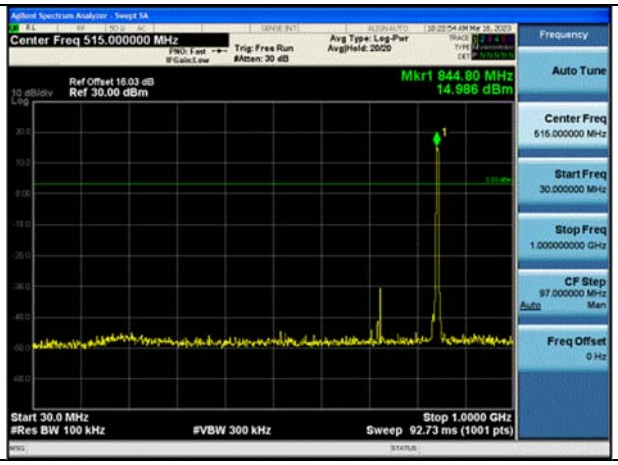


Channel 4132 30MHz~1GHz

Channel 4132 1GHz~20GHz

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

Test Mode: HSUPA

	
Channel 4132 30MHz~1GHz	Channel 4132 1GHz~20GHz

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

5. Band Edges Compliance

Test Mode: Release 99

Channel 4132

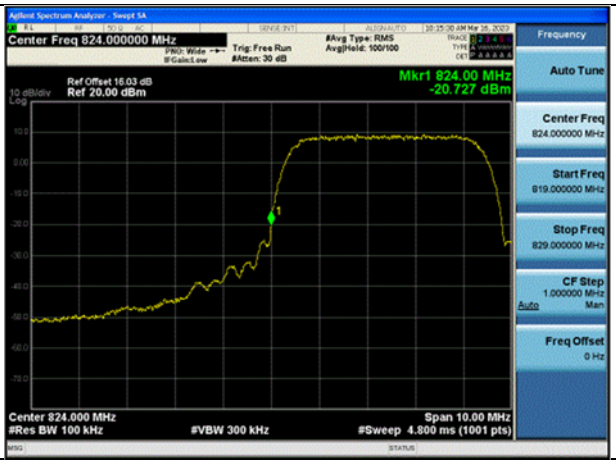
Channel 4233

Test Mode: HSDPA

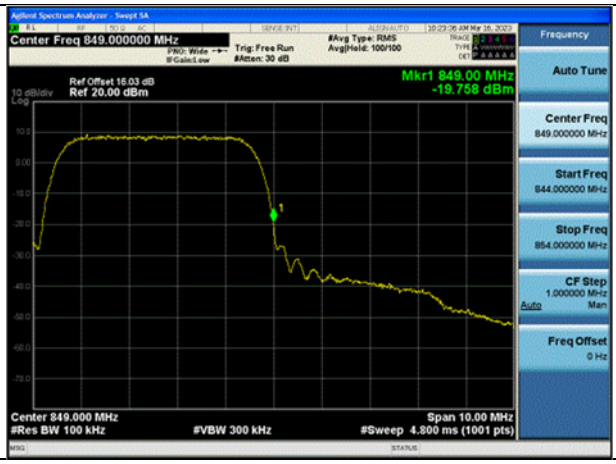
Channel 4132

Channel 4233

Test Mode: HSUPA

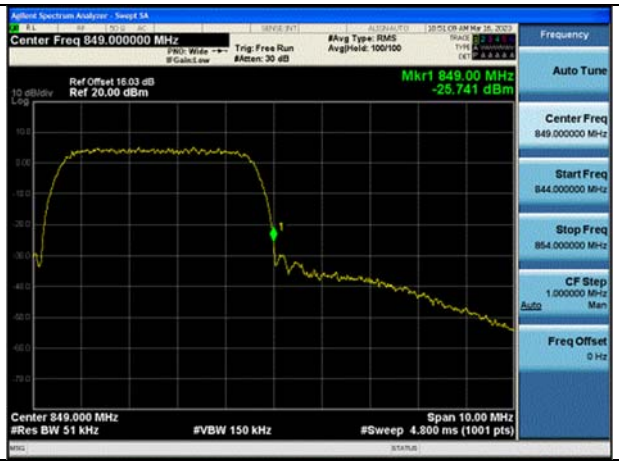


Channel 4132



Channel 4233

Test Mode: HSPA+

	
Channel 4132	Channel 4233

6. Frequency Stability

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-10	0.001	0.001	0.001
Release 99	-0	0.001	0.003	0.001
Release 99	+10	0.001	0.000	0.001
Release 99	+20	0.001	0.003	0.002
Release 99	+30	0.001	0.001	0.001
Release 99	+40	0.001	0.001	0.001
Release 99	+50	0.002	0.002	0.001
Release 99	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	0.001	0.001	0.003
Release 99	HV	0.001	0.002	0.001

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.000	0.000	0.001
Subtest1	-0	0.001	0.000	0.001
Subtest1	+10	0.001	0.000	0.000
Subtest1	+20	0.000	0.000	0.001
Subtest1	+30	0.000	0.000	0.000
Subtest1	+40	0.000	0.000	0.001
Subtest1	+50	0.001	0.002	0.001
Subtest1	+55	0.000	0.000	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.001	0.001	0.001
Subtest1	HV	0.000	0.000	0.000

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.001	0.001	0.001
Subtest1	-0	0.001	0.001	0.001
Subtest1	+10	0.001	0.001	0.001
Subtest1	+20	0.001	0.000	0.001
Subtest1	+30	0.001	0.001	0.001
Subtest1	+40	0.001	0.001	0.001
Subtest1	+50	0.003	0.002	0.001
Subtest1	+55	0.001	0.000	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233

Subtest1	LV	0.000	0.001	0.001
Subtest1	HV	0.000	0.001	0.001

7. Peak-Average Ratio

Test Mode: Release 99

Channel 4132

Channel 4183

Channel 4233

Test Mode: HSDPA

Channel 4132

Channel 4183

Channel 4233

Test Mode: HSUPA

Channel 4132

Channel 4183

Channel 4233

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8. Effective Radiated Power and Effective Isotropic Radiated Power

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	826.4	4132	23.33	16.08	0.041
Release 99	RMC,12.2kbps	836.6	4183	23.29	16.04	0.040
Release 99	RMC,12.2kbps	846.6	4233	23.16	15.91	0.039

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	22.40	15.15	0.033
HSDPA	Subtest1	836.6	4183	22.31	15.06	0.032
HSDPA	Subtest1	846.6	4233	22.20	14.95	0.031
HSDPA	Subtest2	826.4	4132	21.98	14.73	0.030
HSDPA	Subtest2	836.6	4183	21.90	14.65	0.029
HSDPA	Subtest2	846.6	4233	21.78	14.53	0.028
HSDPA	Subtest3	826.4	4132	21.88	14.63	0.029
HSDPA	Subtest3	836.6	4183	21.82	14.57	0.029
HSDPA	Subtest3	846.6	4233	21.67	14.42	0.028
HSDPA	Subtest4	826.4	4132	21.87	14.62	0.029
HSDPA	Subtest4	836.6	4183	21.80	14.55	0.029
HSDPA	Subtest4	846.6	4233	21.67	14.42	0.028

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	22.38	15.13	0.033
HSUPA	Subtest1	836.6	4183	22.46	15.21	0.033
HSUPA	Subtest1	846.6	4233	22.35	15.10	0.032
HSUPA	Subtest2	826.4	4132	20.35	13.10	0.020
HSUPA	Subtest2	836.6	4183	20.47	13.22	0.021
HSUPA	Subtest2	846.6	4233	20.33	13.08	0.020
HSUPA	Subtest3	826.4	4132	21.38	14.13	0.026
HSUPA	Subtest3	836.6	4183	21.47	14.22	0.026
HSUPA	Subtest3	846.6	4233	21.34	14.09	0.026
HSUPA	Subtest4	826.4	4132	20.08	12.83	0.019
HSUPA	Subtest4	836.6	4183	20.35	13.10	0.020
HSUPA	Subtest4	846.6	4233	20.09	12.84	0.019
HSUPA	Subtest5	826.4	4132	22.39	15.14	0.033
HSUPA	Subtest5	836.6	4183	22.46	15.21	0.033
HSUPA	Subtest5	846.6	4233	22.35	15.10	0.032

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	826.4	4132	21.38	14.13	0.026
HSPA+	QPSK	836.6	4183	21.13	13.88	0.024
HSPA+	QPSK	846.6	4233	21.33	14.08	0.026
HSPA+	16QAM	826.4	4132	21.41	14.16	0.026
HSPA+	16QAM	836.6	4183	21.39	14.14	0.026
HSPA+	16QAM	846.6	4233	21.24	13.99	0.025

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

Note：The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

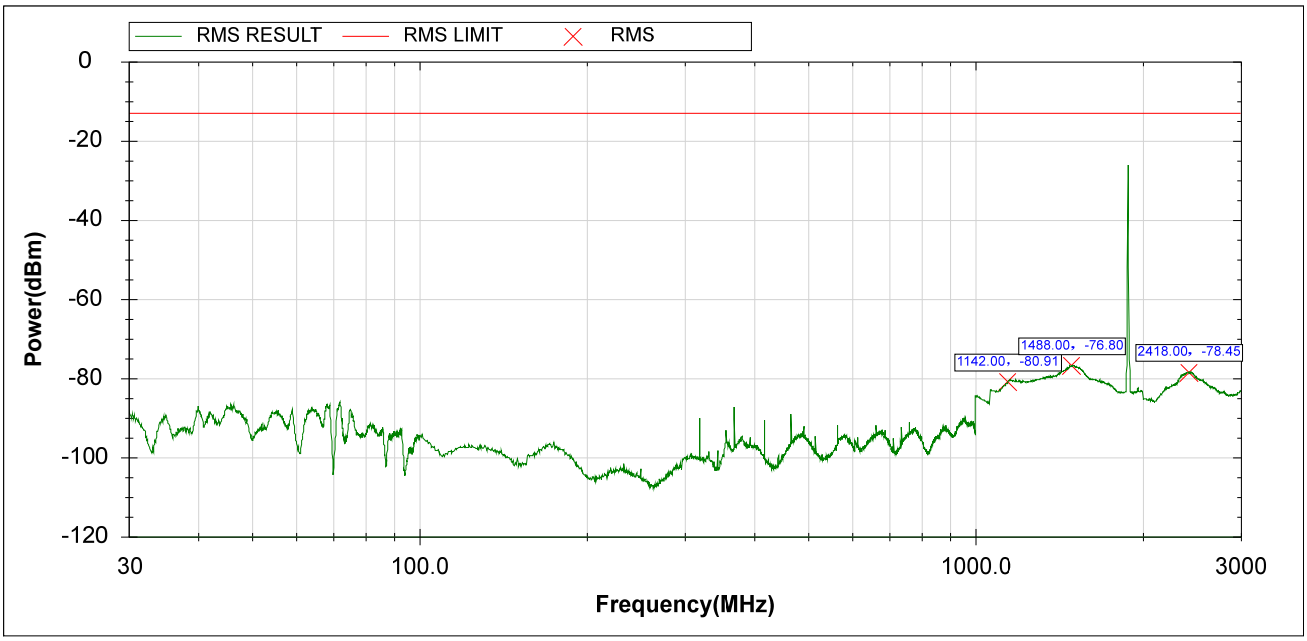
WCDMA band II

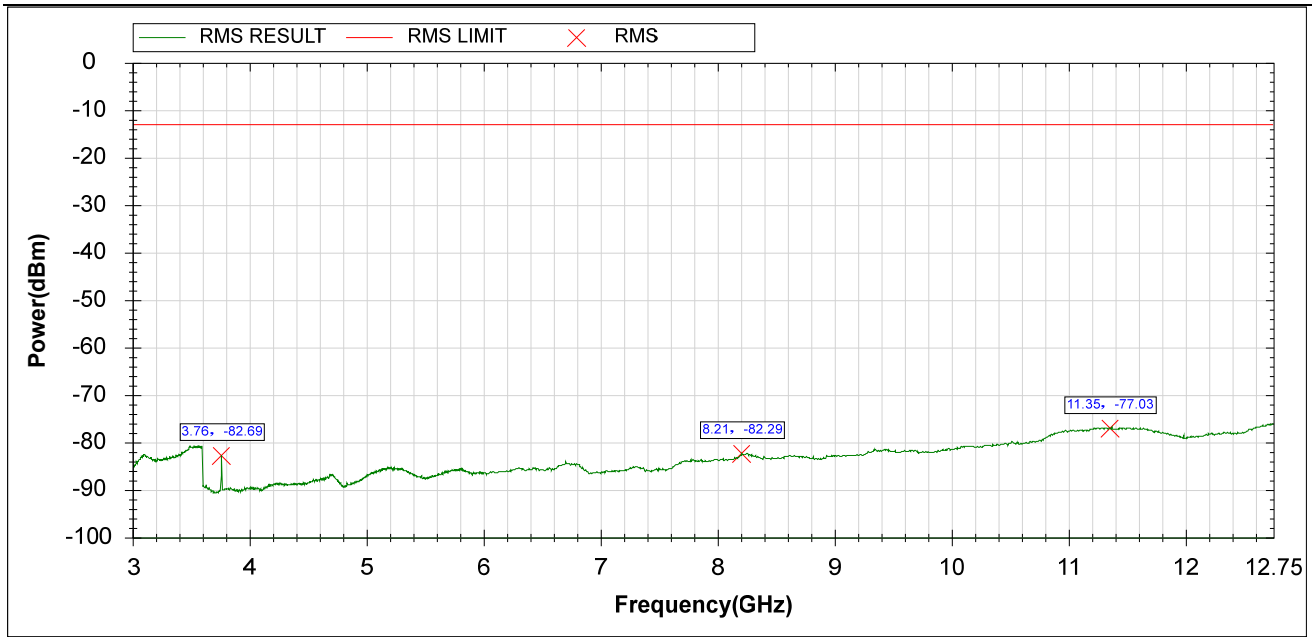
Test result：

WCDMA Mode：

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1142.00	-80.91	-13	Vertical
1488.00	-76.80	-13	Vertical
2418.00	-78.45	-13	Vertical
3760.00	-82.69	-13	Vertical
8210.00	-82.29	-13	Vertical
11350.00	-77.03	-13	Vertical





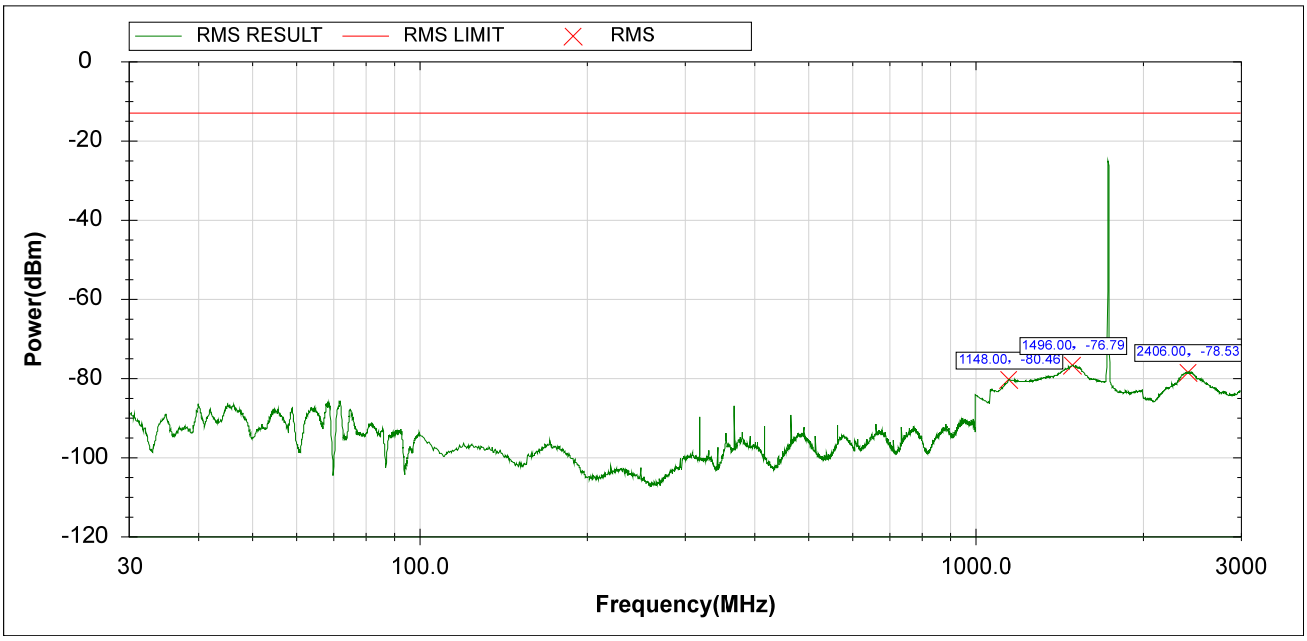
WCDMA band IV

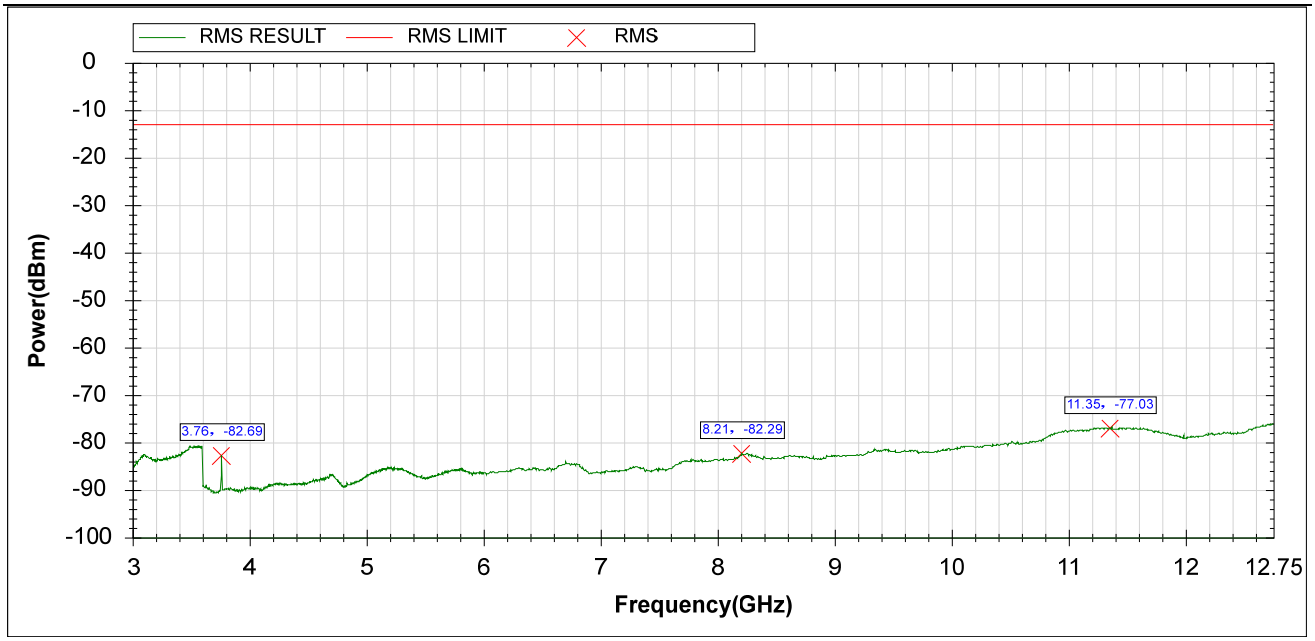
Test result：

WCDMA Mode：

Channel 1413

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1148.00	-80.46	-13	Vertical
1496.00	-76.79	-13	Vertical
2406.00	-78.53	-13	Vertical
3600.00	-80.78	-13	Vertical
8250.00	-82.29	-13	Vertical
11480.00	-76.94	-13	Vertical





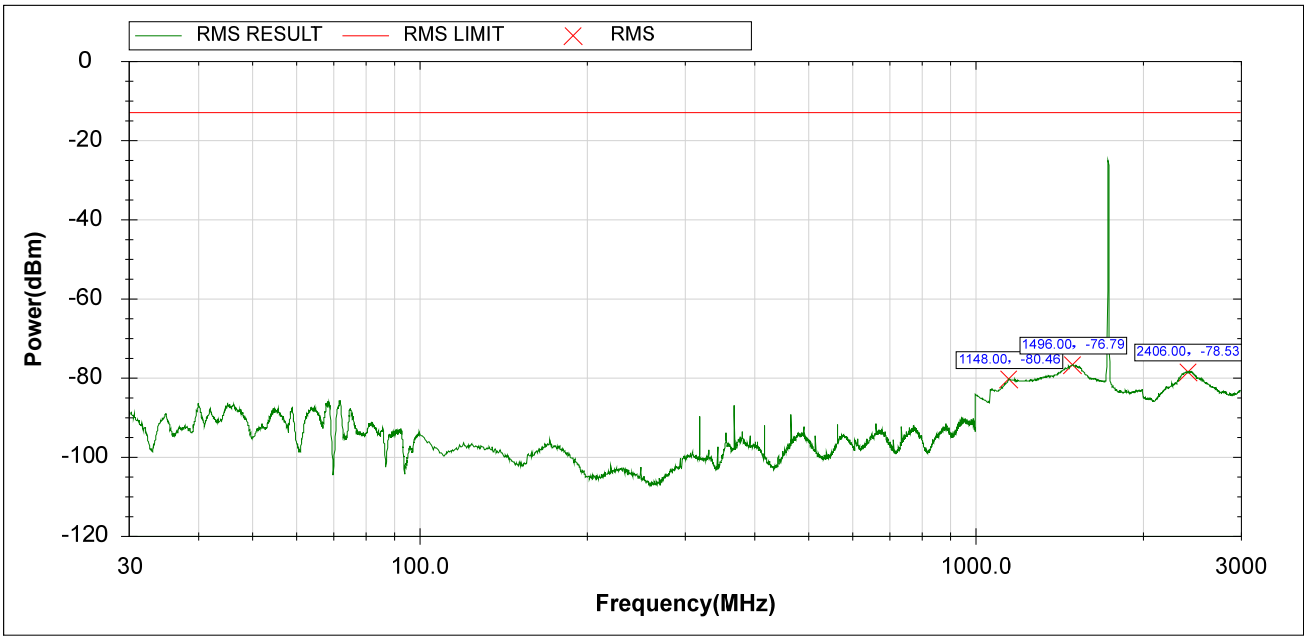
WCDMA band V

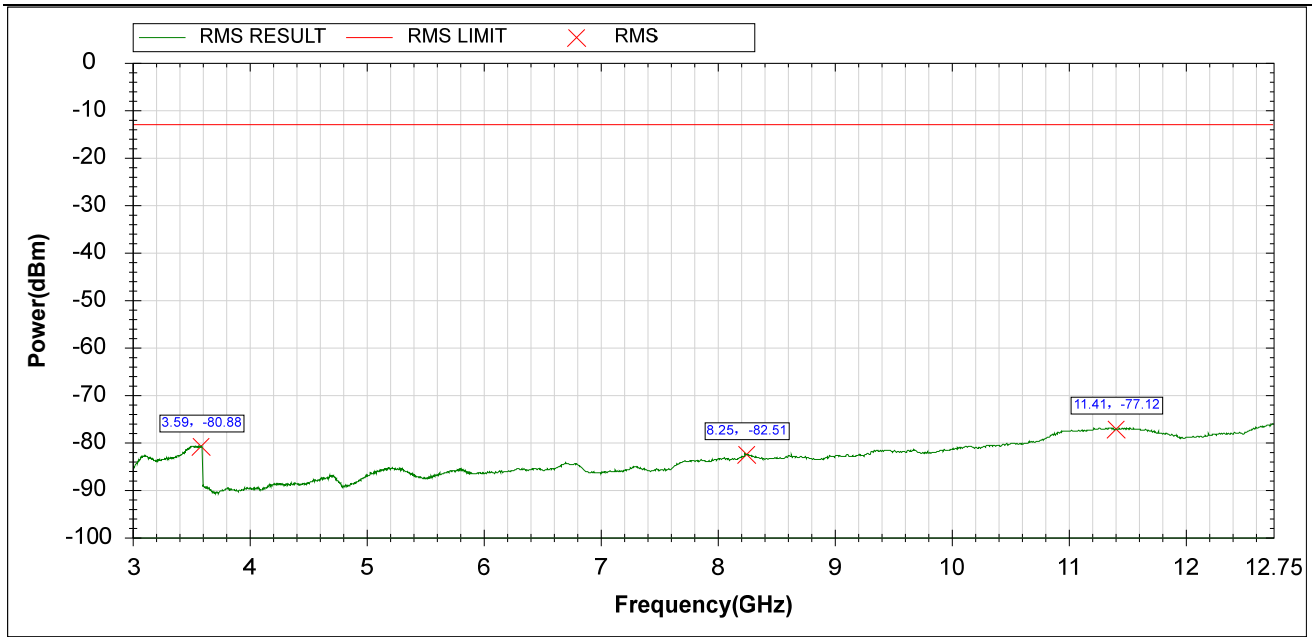
Test result：

WCDMA Mode：

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1142.00	-80.88	-13	Vertical
1492.00	-76.86	-13	Vertical
2506.00	-77.56	-13	Vertical
3590.00	-80.88	-13	Vertical
8250.00	-82.51	-13	Vertical
11410.00	-77.12	-13	Vertical





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