

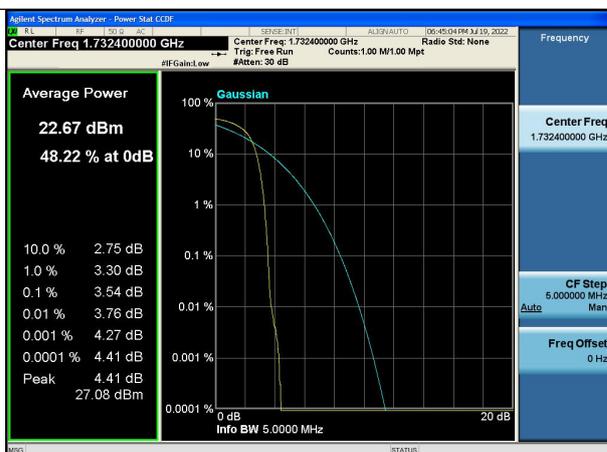


Channel 1513

Test Mode: HSUPA



Channel 1312



Channel 1412



Channel 1513

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kps	1712.4	1312	23.47	21.87	0.154
Release 99	RMC,12.2kps	1732.6	1412	23.21	21.61	0.145
Release 99	RMC,12.2kps	1752.6	1513	23.18	21.58	0.144

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	23.51	21.91	0.155
HSDPA	Subtest1	1732.6	1412	23.1	21.50	0.141
HSDPA	Subtest1	1752.6	1513	23.04	21.44	0.139
HSDPA	Subtest2	1712.4	1312	23.41	21.81	0.152
HSDPA	Subtest2	1732.6	1412	22.99	21.39	0.138
HSDPA	Subtest2	1752.6	1513	23.02	21.42	0.139
HSDPA	Subtest3	1712.4	1312	23.31	21.71	0.148
HSDPA	Subtest3	1732.6	1412	22.89	21.29	0.135
HSDPA	Subtest3	1752.6	1513	22.93	21.33	0.136
HSDPA	Subtest4	1712.4	1312	23.3	21.70	0.148
HSDPA	Subtest4	1732.6	1412	22.89	21.29	0.135
HSDPA	Subtest4	1752.6	1513	22.93	21.33	0.136

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	23.27	21.67	0.147
HSUPA	Subtest1	1732.6	1412	23.02	21.42	0.139
HSUPA	Subtest1	1752.6	1513	22.84	21.24	0.133
HSUPA	Subtest2	1712.4	1312	23.45	21.85	0.153
HSUPA	Subtest2	1732.6	1412	23.01	21.41	0.138
HSUPA	Subtest2	1752.6	1513	22.98	21.38	0.137
HSUPA	Subtest3	1712.4	1312	23.36	21.76	0.150
HSUPA	Subtest3	1732.6	1412	22.93	21.33	0.136
HSUPA	Subtest3	1752.6	1513	21.9	20.30	0.107
HSUPA	Subtest4	1712.4	1312	23.43	21.83	0.152
HSUPA	Subtest4	1732.6	1412	22.99	21.39	0.138
HSUPA	Subtest4	1752.6	1513	23.06	21.46	0.140
HSUPA	Subtest5	1712.4	1312	23.38	21.78	0.151
HSUPA	Subtest5	1732.6	1412	22.95	21.35	0.136
HSUPA	Subtest5	1752.6	1513	22.7	21.10	0.129

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	22.58	20.98	0.125
HSPA+	QPSK	1732.6	1412	22.58	20.98	0.125
HSPA+	QPSK	1752.6	1513	22.63	21.03	0.127
HSPA+	16QAM	1712.4	1312	22.93	21.33	0.136
HSPA+	16QAM	1732.6	1412	22.57	20.97	0.125
HSPA+	16QAM	1752.6	1513	22.6	21.00	0.126

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1712.4	1312	23.44	21.84	0.153
DC-HSDPA	Subtest1	1732.6	1412	23.05	21.45	0.140
DC-HSDPA	Subtest1	1752.6	1513	23.06	21.46	0.140
DC-HSDPA	Subtest2	1712.4	1312	23.39	21.79	0.151
DC-HSDPA	Subtest2	1732.6	1412	23.04	21.44	0.139
DC-HSDPA	Subtest2	1752.6	1513	23.09	21.49	0.141
DC-HSDPA	Subtest3	1712.4	1312	23.34	21.74	0.149
DC-HSDPA	Subtest3	1732.6	1412	23.04	21.44	0.139
DC-HSDPA	Subtest3	1752.6	1513	22.99	21.39	0.138
DC-HSDPA	Subtest4	1712.4	1312	23.33	21.73	0.149
DC-HSDPA	Subtest4	1732.6	1412	23.03	21.43	0.139
DC-HSDPA	Subtest4	1752.6	1513	23.04	21.44	0.139

1. RF Power Output
WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	826.4	4132	23.68
Release 99	RMC,12.2kbps	836.6	4183	23.71
Release 99	RMC,12.2kbps	846.6	4233	23.67

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	22.68
HSDPA	Subtest1	836.6	4183	22.9
HSDPA	Subtest1	846.6	4233	22.66
HSDPA	Subtest2	826.4	4132	22.25
HSDPA	Subtest2	836.6	4183	22.47
HSDPA	Subtest2	846.6	4233	22.24
HSDPA	Subtest3	826.4	4132	22.04
HSDPA	Subtest3	836.6	4183	21.95
HSDPA	Subtest3	846.6	4233	21.96
HSDPA	Subtest4	826.4	4132	21.92
HSDPA	Subtest4	836.6	4183	21.83
HSDPA	Subtest4	846.6	4233	21.93

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	23.18
HSUPA	Subtest1	836.6	4183	23.36
HSUPA	Subtest1	846.6	4233	23.13
HSUPA	Subtest2	826.4	4132	23.14
HSUPA	Subtest2	836.6	4183	23.38
HSUPA	Subtest2	846.6	4233	23.17
HSUPA	Subtest3	826.4	4132	23.13
HSUPA	Subtest3	836.6	4183	23.34
HSUPA	Subtest3	846.6	4233	23.14
HSUPA	Subtest4	826.4	4132	23.11
HSUPA	Subtest4	836.6	4183	23.38
HSUPA	Subtest4	846.6	4233	23.14
HSUPA	Subtest5	826.4	4132	23.15
HSUPA	Subtest5	836.6	4183	23.33
HSUPA	Subtest5	846.6	4233	23.1

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	23.09
HSPA+	QPSK	836.6	4183	22.83
HSPA+	QPSK	846.6	4233	22.73
HSPA+	16QAM	826.4	4132	22.99
HSPA+	16QAM	836.6	4183	22.92
HSPA+	16QAM	846.6	4233	22.75

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	826.4	4132	22.8
DC-HSDPA	Subtest1	836.6	4183	21.98
DC-HSDPA	Subtest1	846.6	4233	22.71
DC-HSDPA	Subtest2	826.4	4132	22.3
DC-HSDPA	Subtest2	836.6	4183	22.51
DC-HSDPA	Subtest2	846.6	4233	22.3
DC-HSDPA	Subtest3	826.4	4132	22.1
DC-HSDPA	Subtest3	836.6	4183	22
DC-HSDPA	Subtest3	846.6	4233	22.02
DC-HSDPA	Subtest4	826.4	4132	21.98
DC-HSDPA	Subtest4	836.6	4183	21.89
DC-HSDPA	Subtest4	846.6	4233	21.9

2. Occupied Bandwidth

WCDMA band V

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

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

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

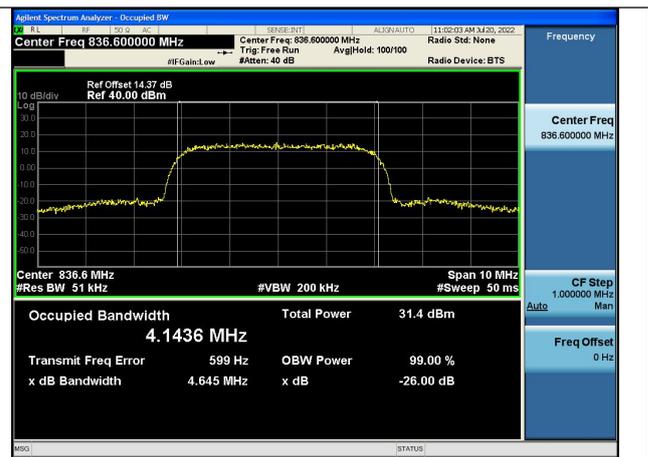
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	826.4	4132	4.16
HSPA+	836.6	4183	4.14
HSPA+	846.6	4233	4.15

WCDMA band V

Test Mode: Release 99



Channel 4132



Channel 4183



Channel 4233

Test Mode: HSDPA



Channel 4132



Channel 4183



Channel 4233

Test Mode: HSPA



Channel 4132



Channel 4183



Channel 4233

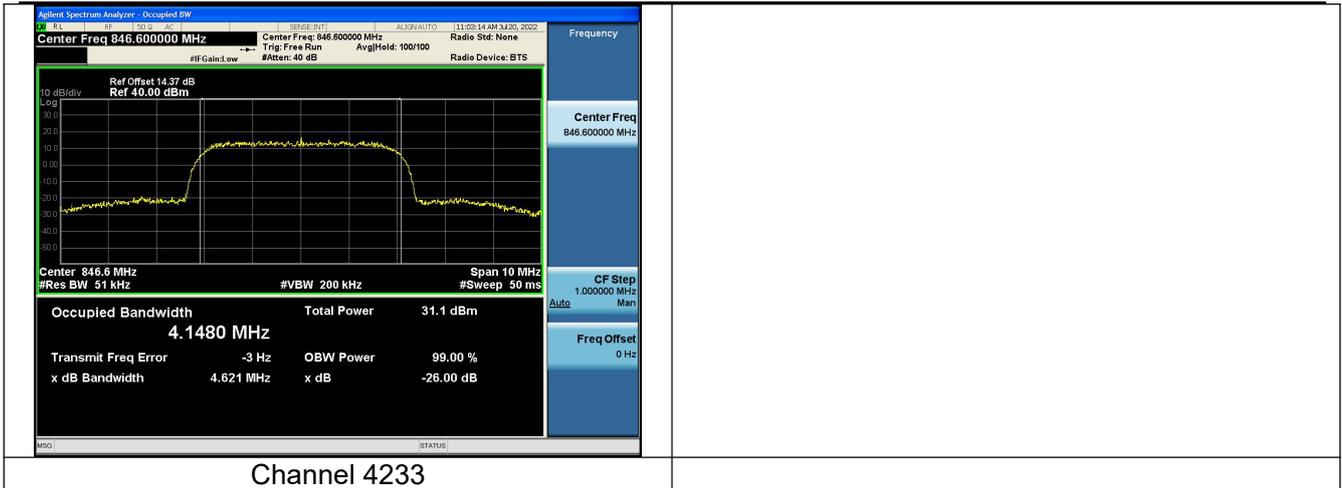
Test Mode: HSPA+



Channel 4132



Channel 4183



3. Emission Bandwidth

WCDMA band V

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.63
Release 99	836.6	4183	4.64
Release 99	846.6	4233	4.63

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.62
HSDPA	836.6	4183	4.61
HSDPA	846.6	4233	4.61

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.63
HSUPA	836.6	4183	4.62
HSUPA	846.6	4233	4.62

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	826.4	4132	4.62
HSPA+	836.6	4183	4.64
HSPA+	846.6	4233	4.62

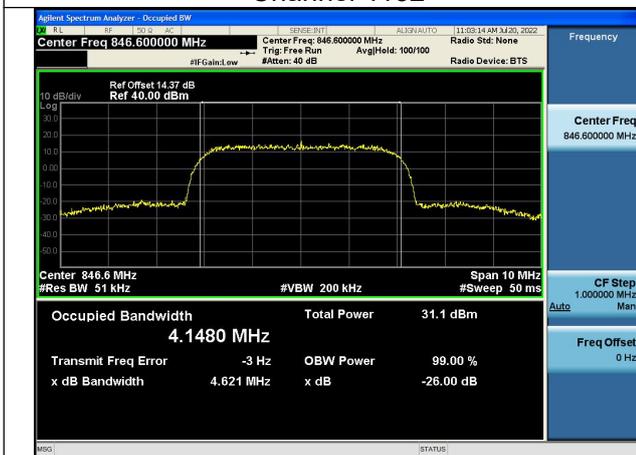
WCDMA band V
Test Mode: Release 99



Channel 4132

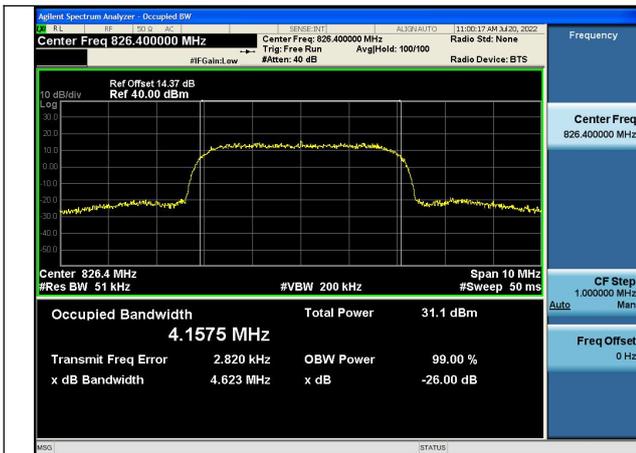


Channel 4183



Channel 4233

Test Mode: HSDPA

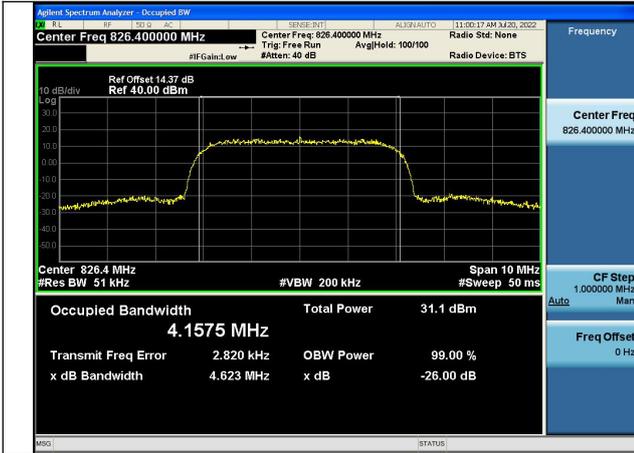


Channel 4132

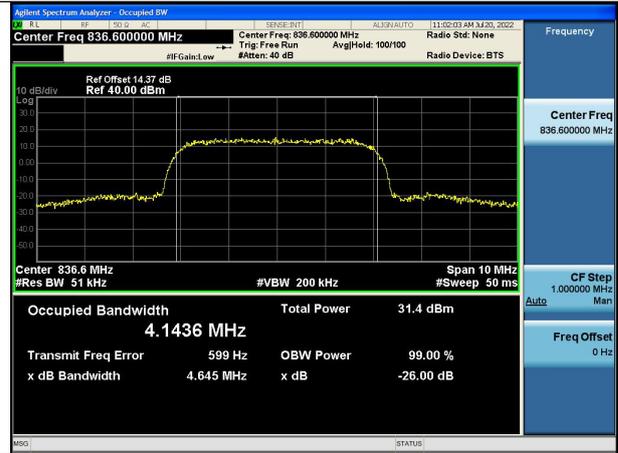


Channel 4183

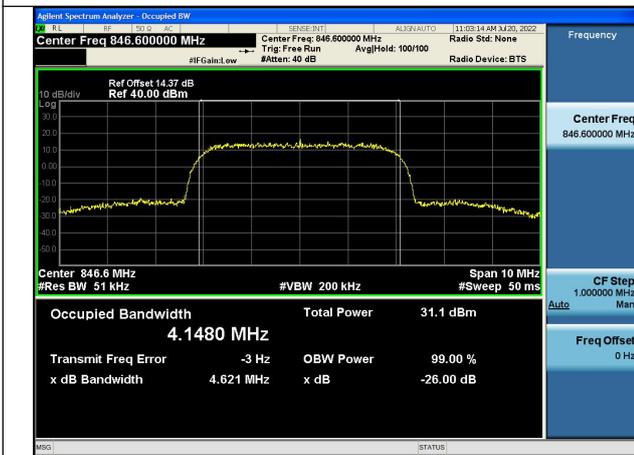
Test Mode: HSPA+



Channel 4132



Channel 4183

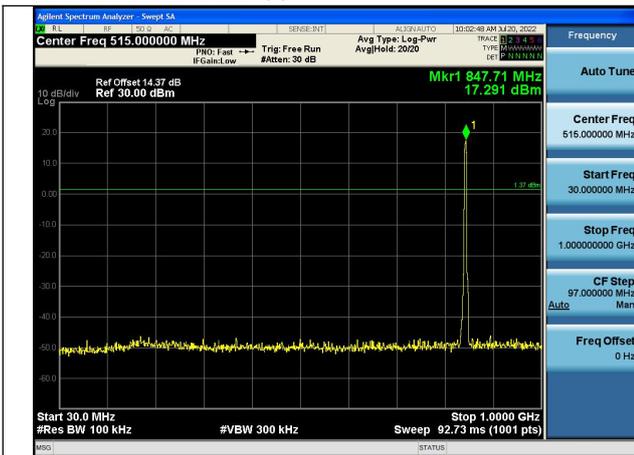


Channel 4233

4. Spurious Emissions at antenna terminal

WCDMA band V

Test Mode: Release 99



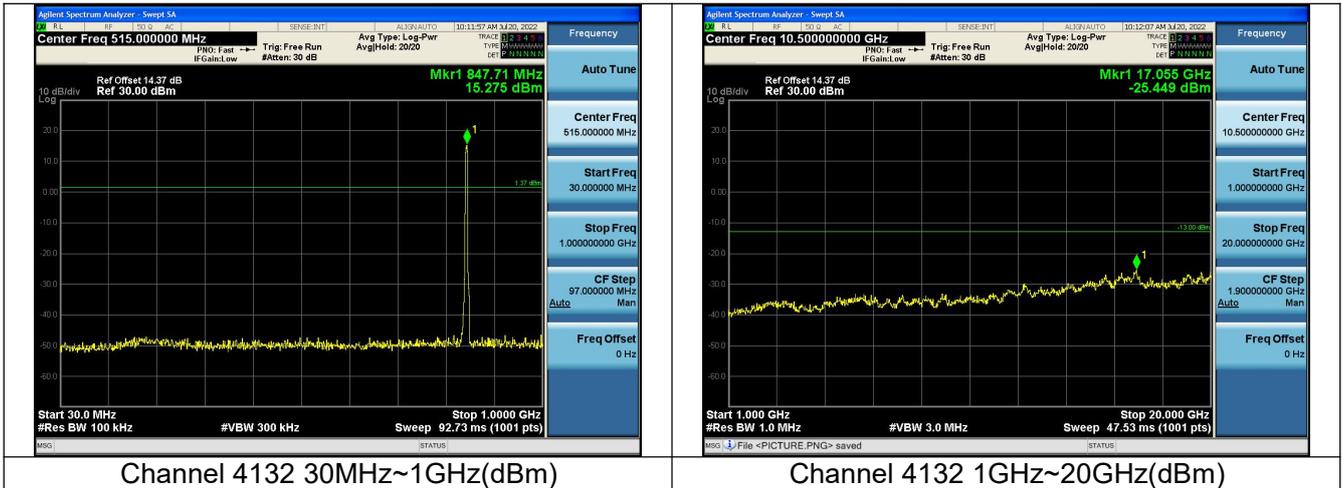
Channel 4132 30MHz~1GHz(dBm)



Channel 4132 1GHz~20GHz(dBm)

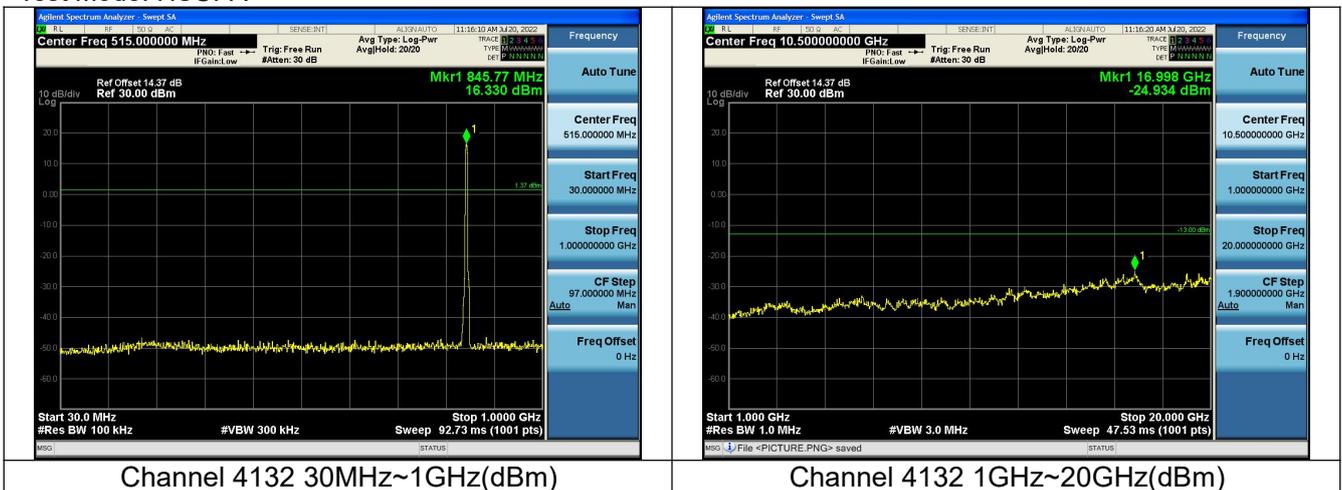
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA



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

Test Mode: HSUPA



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

5. Band Edges Compliance

WCDMA band V

Test Mode: Release 99



Test Mode: HSDPA



Channel 4132



Channel 4233

Test Mode: HSUPA



Channel 4132



Channel 4233

Test Mode: HSPA+



Channel 4132



Channel 4233

6. Frequency Stability

WCDMA band V

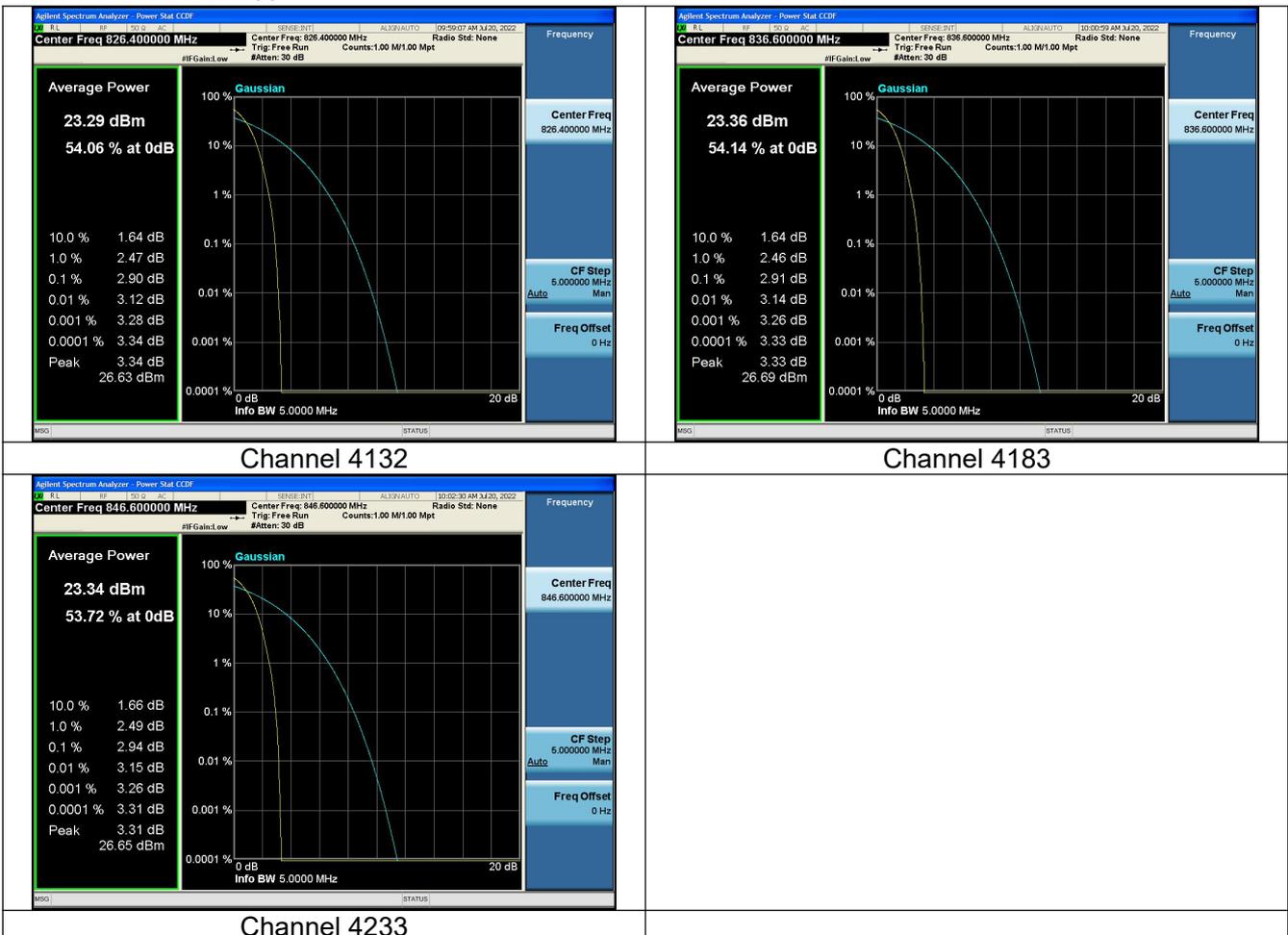
Mode	Temperature (°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-10	-0.001	0.000	0.000
Release 99	-0	-0.001	0.000	0.000
Release 99	+10	-0.001	-0.001	0.000
Release 99	+30	-0.001	0.000	0.000
Release 99	+40	-0.001	-0.001	0.000
Release 99	+55	0.000	0.000	0.000
Mode	Voltage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

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

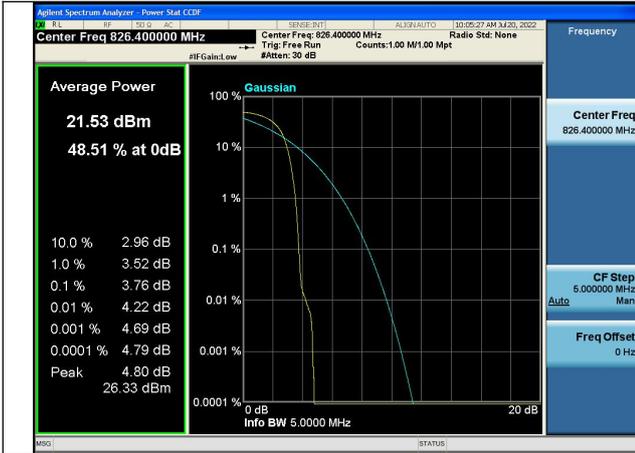
Mode	Temperature (°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
HSUPA	-10	0.000	-0.001	-0.001
HSUPA	-0	-0.001	0.000	0.000
HSUPA	+10	-0.001	0.000	0.000
HSUPA	+30	-0.001	0.000	0.000
HSUPA	+40	-0.001	0.000	0.000
HSUPA	+55	-0.001	-0.001	0.000

Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
HSUPA	LV	-0.001	0.000	0.000
HSUPA	HV	-0.001	-0.001	0.000

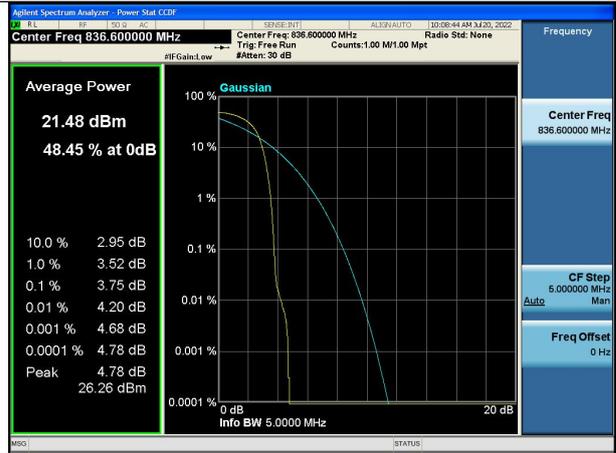
7. Peak-Average Ratio
WCDMA band V
Test Mode: Release 99



Test Mode: HSDPA



Channel 4132



Channel 4183



Channel 4233

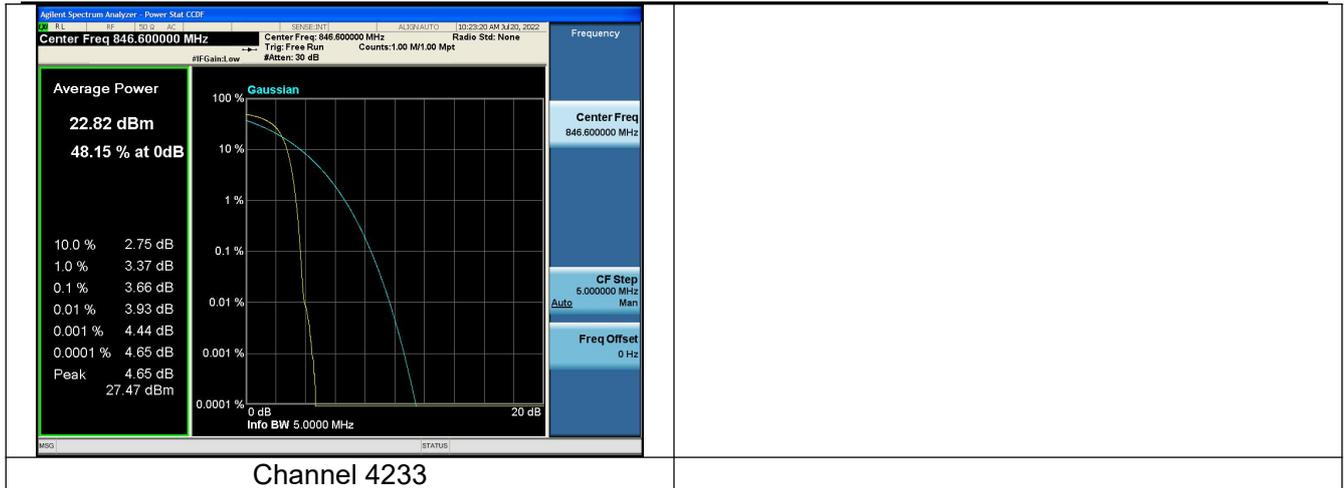
Test Mode: HSUPA



Channel 4132



Channel 4183



8. Effective Radiated Power and Effective Isotropic Radiated Power
WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC, 12.2kb ps	826.4	4132	23.68	18.13	0.065
Release 99	RMC, 12.2kb ps	836.6	4183	23.71	18.16	0.065
Release 99	RMC, 12.2kb ps	846.6	4233	23.67	18.12	0.065

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	22.68	17.13	0.052
HSDPA	Subtest1	836.6	4183	22.9	17.35	0.054
HSDPA	Subtest1	846.6	4233	22.66	17.11	0.051
HSDPA	Subtest2	826.4	4132	22.25	16.70	0.047
HSDPA	Subtest2	836.6	4183	22.47	16.92	0.049
HSDPA	Subtest2	846.6	4233	22.24	16.69	0.047
HSDPA	Subtest3	826.4	4132	22.04	16.49	0.045
HSDPA	Subtest3	836.6	4183	21.95	16.40	0.044
HSDPA	Subtest3	846.6	4233	21.96	16.41	0.044
HSDPA	Subtest4	826.4	4132	21.92	16.37	0.043
HSDPA	Subtest4	836.6	4183	21.83	16.28	0.042
HSDPA	Subtest4	846.6	4233	21.93	16.38	0.043

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	23.18	17.63	0.058
HSUPA	Subtest1	836.6	4183	23.36	17.81	0.060
HSUPA	Subtest1	846.6	4233	23.13	17.58	0.057
HSUPA	Subtest2	826.4	4132	23.14	17.59	0.057
HSUPA	Subtest2	836.6	4183	23.38	17.83	0.061
HSUPA	Subtest2	846.6	4233	23.17	17.62	0.058
HSUPA	Subtest3	826.4	4132	23.13	17.58	0.057
HSUPA	Subtest3	836.6	4183	23.34	17.79	0.060
HSUPA	Subtest3	846.6	4233	23.14	17.59	0.057
HSUPA	Subtest4	826.4	4132	23.11	17.56	0.057
HSUPA	Subtest4	836.6	4183	23.38	17.83	0.061
HSUPA	Subtest4	846.6	4233	23.14	17.59	0.057
HSUPA	Subtest5	826.4	4132	23.15	17.60	0.058
HSUPA	Subtest5	836.6	4183	23.33	17.78	0.060
HSUPA	Subtest5	846.6	4233	23.1	17.55	0.057

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	826.4	4132	23.09	17.54	0.057
HSPA+	QPSK	836.6	4183	22.83	17.28	0.053
HSPA+	QPSK	846.6	4233	22.73	17.18	0.052
HSPA+	16QAM	826.4	4132	22.99	17.44	0.055
HSPA+	16QAM	836.6	4183	22.92	17.37	0.055
HSPA+	16QAM	846.6	4233	22.75	17.20	0.052

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	826.4	4132	22.8	17.25	0.053
DC-HSDPA	Subtest1	836.6	4183	21.98	16.43	0.044
DC-HSDPA	Subtest1	846.6	4233	22.71	17.16	0.052
DC-HSDPA	Subtest2	826.4	4132	22.3	16.75	0.047
DC-HSDPA	Subtest2	836.6	4183	22.51	16.96	0.050
DC-HSDPA	Subtest2	846.6	4233	22.3	16.75	0.047
DC-HSDPA	Subtest3	826.4	4132	22.1	16.55	0.045
DC-HSDPA	Subtest3	836.6	4183	22	16.45	0.044
DC-HSDPA	Subtest3	846.6	4233	22.02	16.47	0.044
DC-HSDPA	Subtest4	826.4	4132	21.98	16.43	0.044
DC-HSDPA	Subtest4	836.6	4183	21.89	16.34	0.043
DC-HSDPA	Subtest4	846.6	4233	21.9	16.35	0.043

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
8448.750000	-56.65	-13.00	Vertical
10396.406250	-56.32	-13.00	Vertical
11517.187500	-56.18	-13.00	Vertical
14737.500000	-51.77	-13.00	Vertical
16855.781250	-45.59	-13.00	Vertical
17932.031250	-44.68	-13.00	Vertical

WCDMA band IV

Test result:

WCDMA Mode:

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
8450.625000	-56.35	-13.00	Vertical
10395.937500	-55.99	-13.00	Vertical
10788.750000	-55.94	-13.00	Vertical
14772.656250	-51.26	-13.00	Vertical
16858.125000	-44.57	-13.00	Vertical
17891.718750	-44.05	-13.00	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1005.875000	-66.57	-13.00	Vertical
1011.625000	-65.78	-13.00	Vertical
1032.625000	-65.74	-13.00	Vertical
1035.187500	-65.27	-13.00	Vertical
2496.437500	-66.19	-13.00	Vertical
2965.750000	-64.96	-13.00	Vertical

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