

Channel 4233

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	4.63
Release 99	846.6	4233	4.60

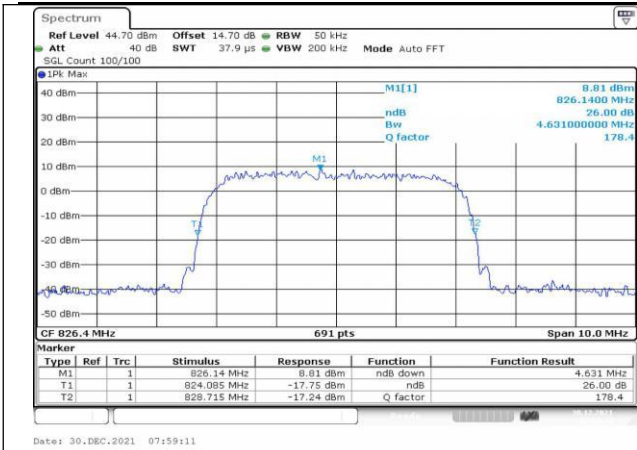
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.63
HSDPA	836.6	4183	4.65
HSDPA	846.6	4233	4.63

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.63
HSUPA	836.6	4183	4.63
HSUPA	846.6	4233	4.65

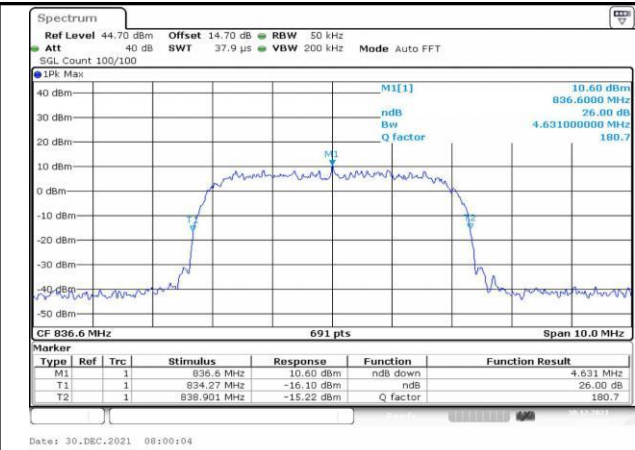
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	826.4	4132	4.65
HSPA+	836.6	4183	4.66
HSPA+	846.6	4233	4.65

WCDMA band V

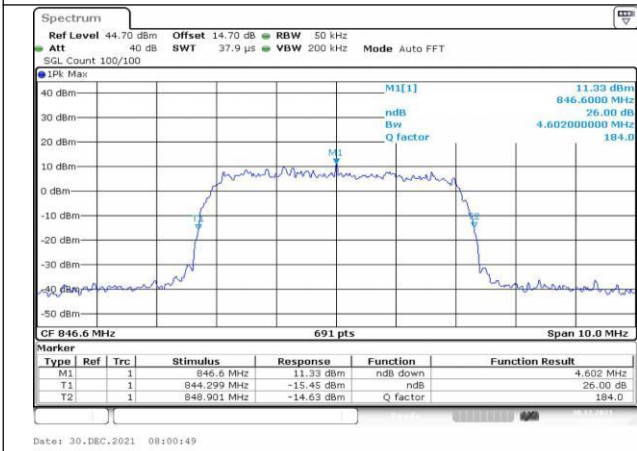
Test Mode: Release 99



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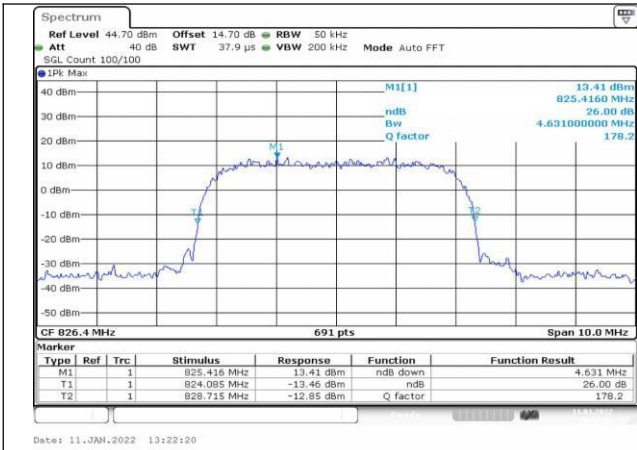


Channel 4183

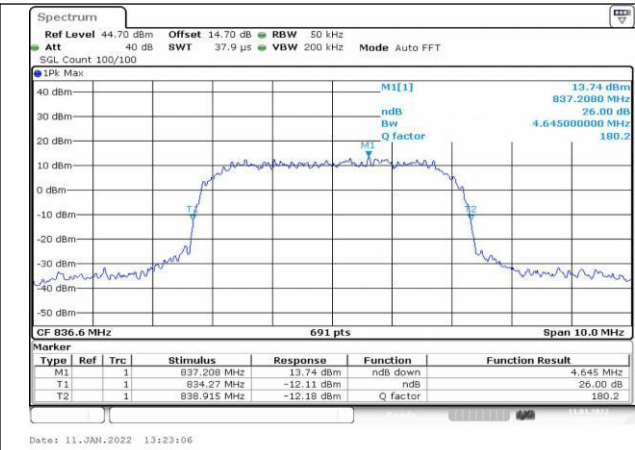


Channel 4233

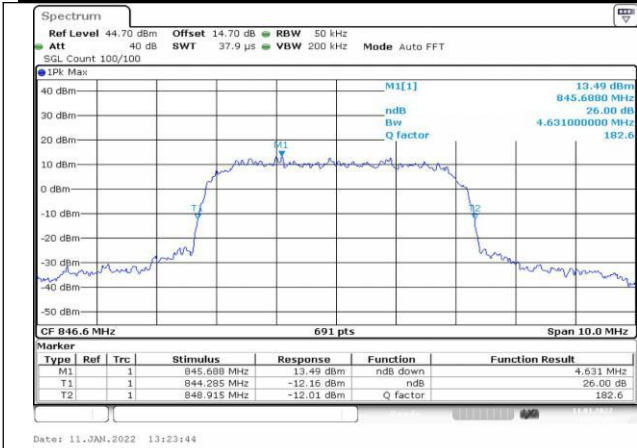
Test Mode: HSDPA



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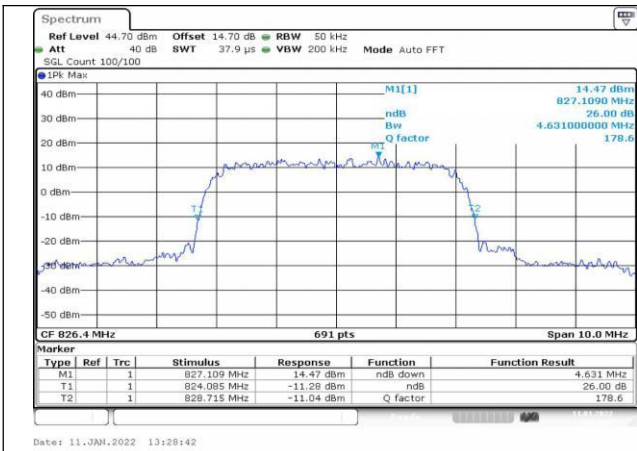


Channel 4183

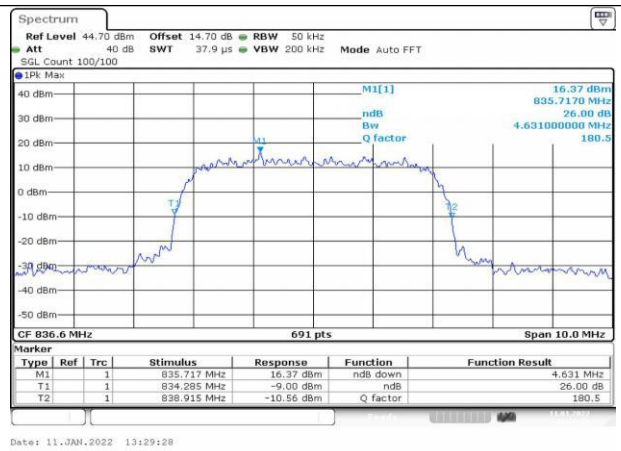


Channel 4233

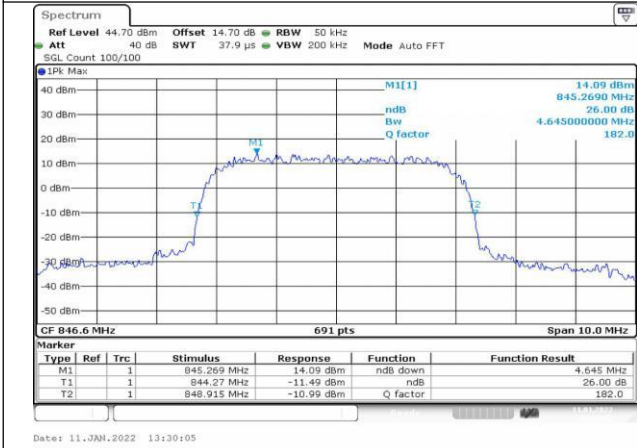
Test Mode: HSUPA



Channel 4132

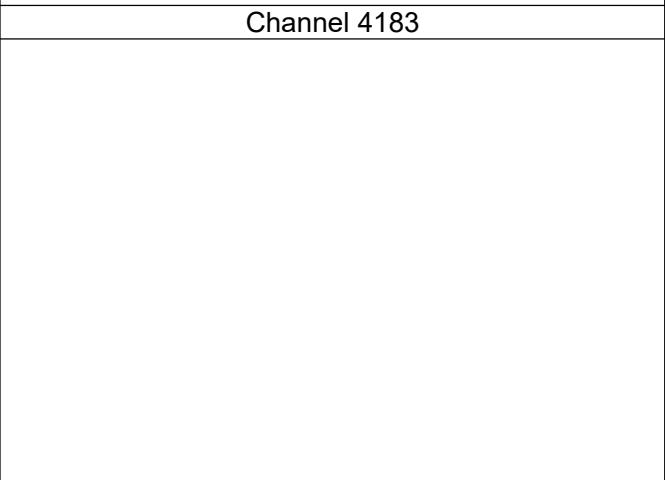
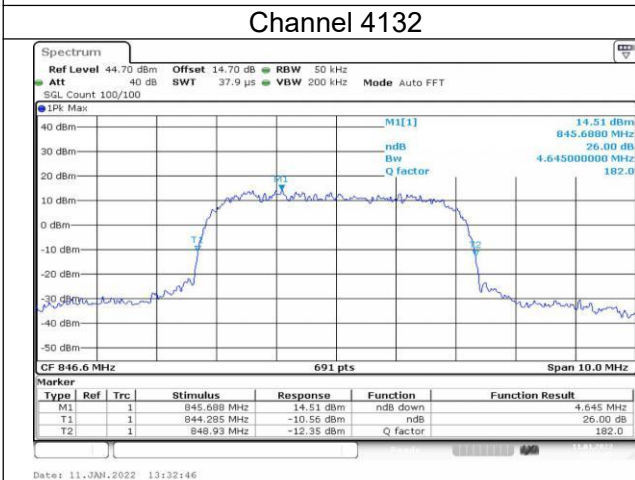
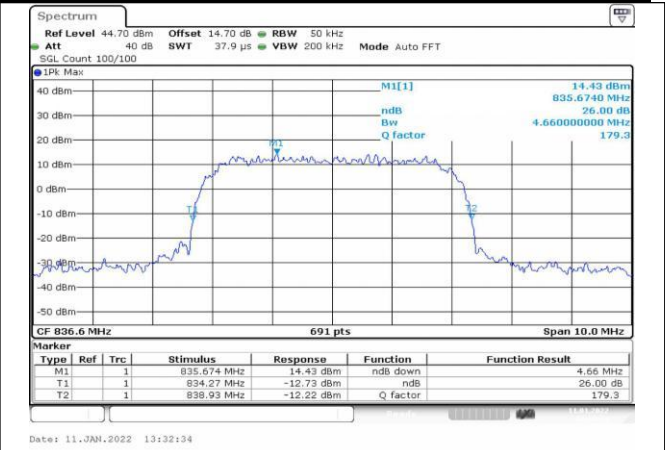


Channel 4183



Channel 4233

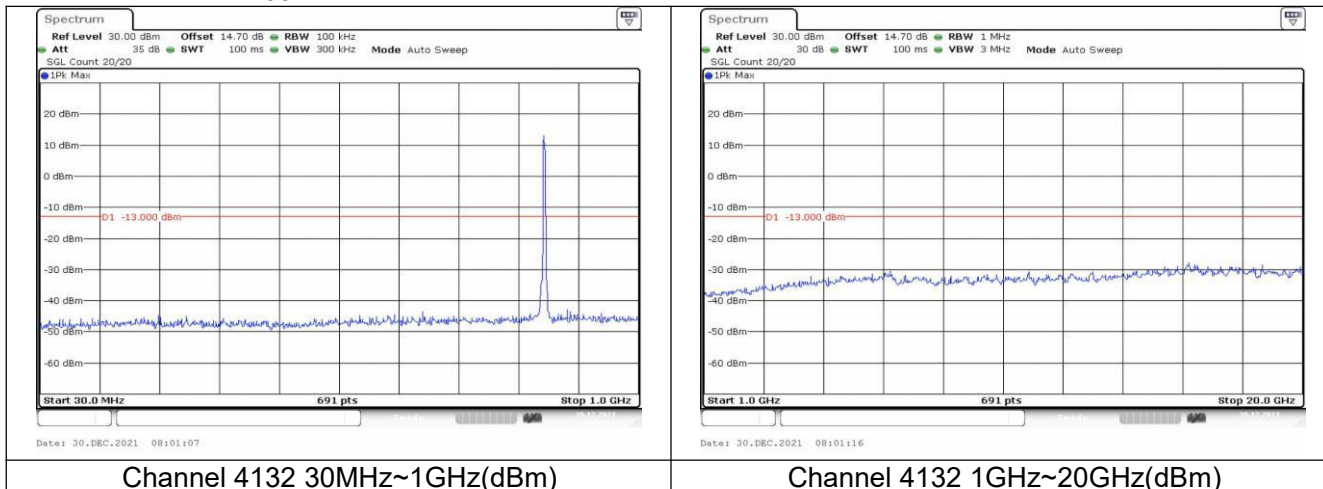
Test Mode: HSPA+



4. Spurious Emissions at antenna terminal

WCDMA band V

Test Mode: Release 99

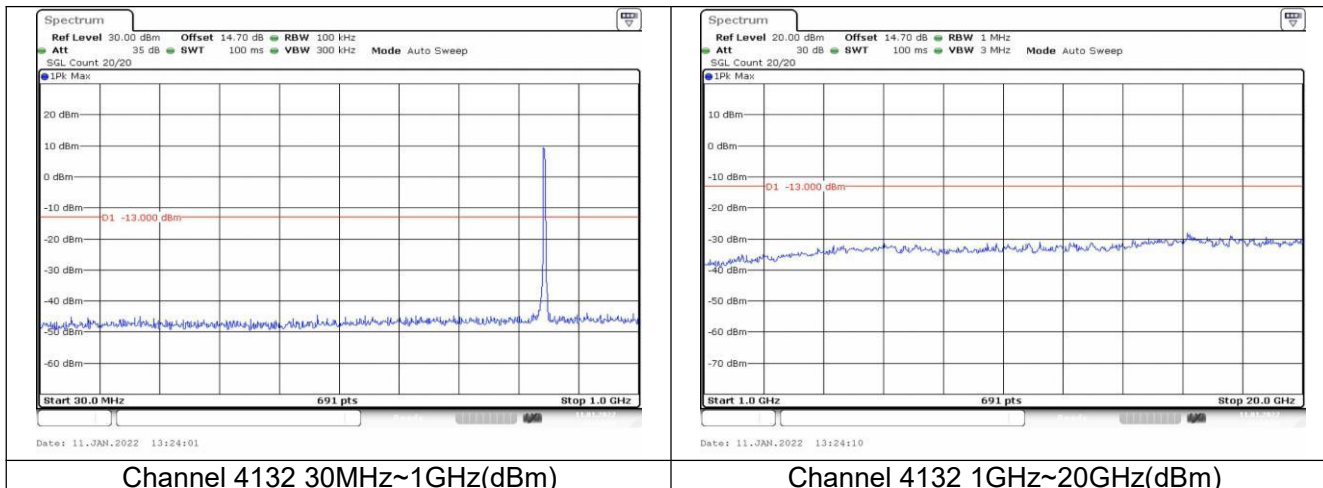


Channel 4132 30MHz~1GHz(dBm)

Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSDPA

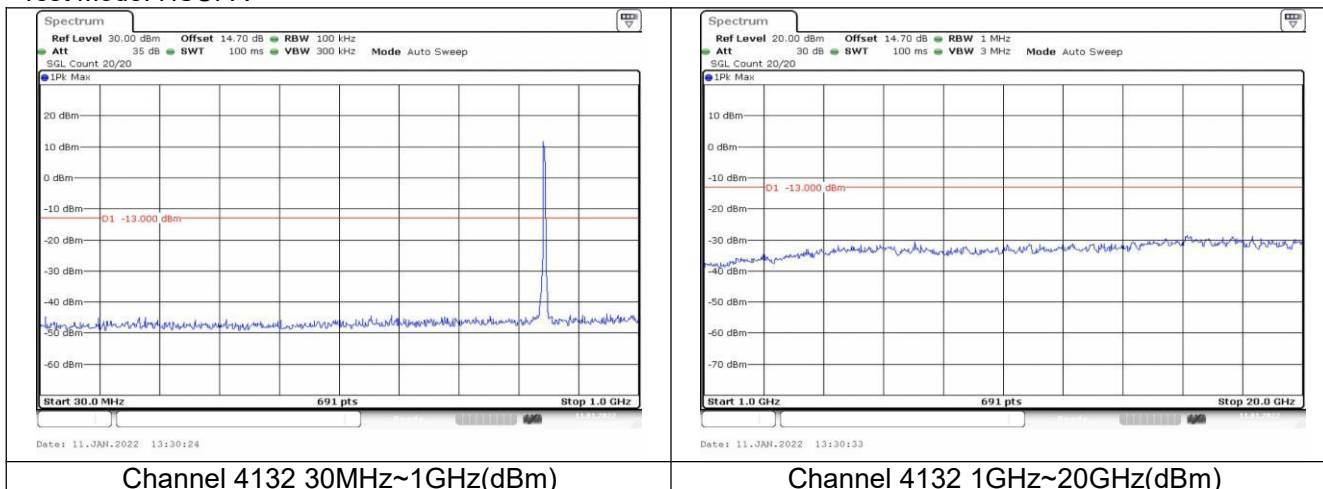


Channel 4132 30MHz~1GHz(dBm)

Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSUPA



Channel 4132 30MHz~1GHz(dBm)

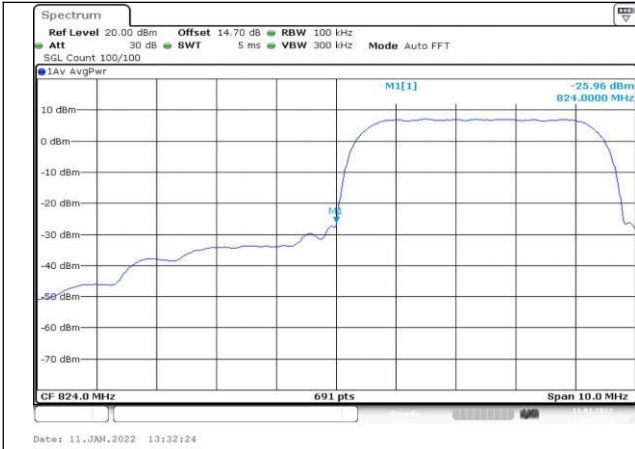
Channel 4132 1GHz~20GHz(dBm)

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

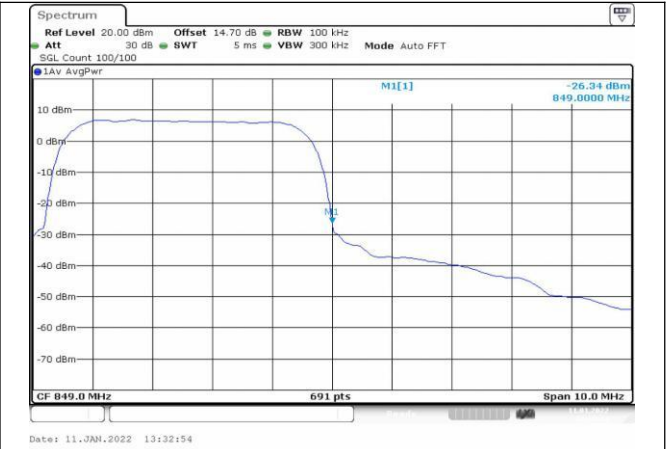
5. Band Edges Compliance

WCDMA band V

Test Mode: Release 99



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Channel 4233

Test Mode: HSDPA



Channel 4132

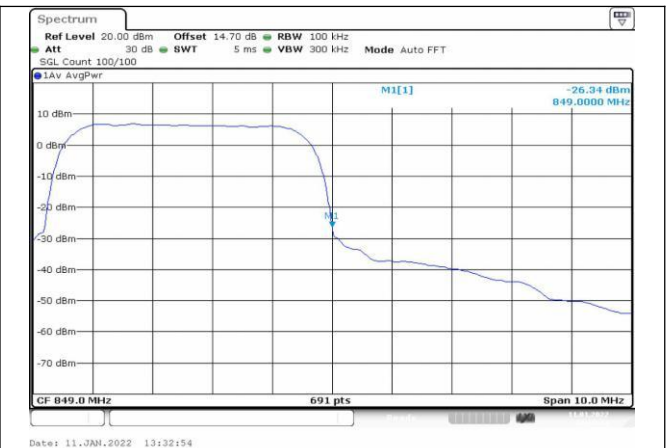


Channel 4233

Test Mode: HSUPA



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Channel 4233

Test Mode: HSPA+



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6. Frequency Stability

WCDMA band V

Mode	Temperature (°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-20	0.000	0.000	-0.001
Release 99	-10	0.001	0.003	0.000
Release 99	0	0.001	0.001	0.002
Release 99	+10	0.001	0.000	-0.001
Release 99	+30	0.004	0.001	0.000
Release 99	+40	0.000	0.001	-0.001
Release 99	+55	-0.001	0.001	0.000
Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	0.000	0.000	0.000
Release 99	HV	0.000	0.000	-0.001

Mode	Temperature (°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
HSDPA	-20	0.000	0.000	-0.005
HSDPA	-10	0.000	-0.001	-0.002
HSDPA	0	-0.001	0.002	-0.004
HSDPA	+10	-0.001	0.000	-0.005
HSDPA	+30	-0.001	0.002	-0.003
HSDPA	+40	-0.002	-0.001	-0.004
HSDPA	+55	-0.001	-0.001	-0.005
Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
HSDPA	LV	0.000	0.001	-0.002
HSDPA	HV	0.000	0.000	-0.005

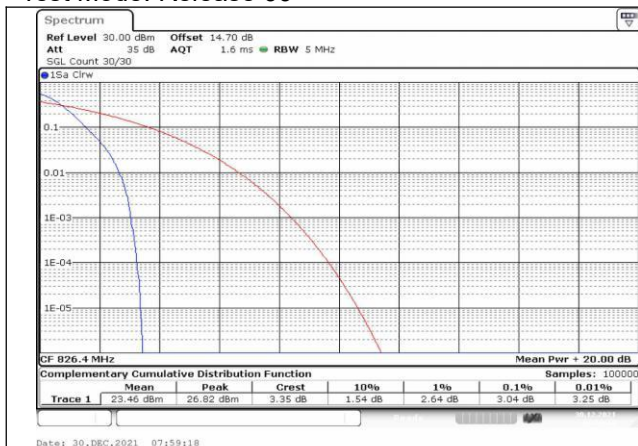
Mode	Temperature (°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
HSUPA	-20	-0.001	-0.002	0.000
HSUPA	-10	-0.001	-0.003	-0.001
HSUPA	0	-0.001	-0.002	-0.001
HSUPA	+10	0.002	-0.003	-0.001
HSUPA	+30	0.001	-0.003	0.000
HSUPA	+40	-0.001	-0.002	0.000
HSUPA	+55	0.000	-0.001	0.001
Mode	Voltage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

HSUPA	LV	0.002	0.000	0.004
HSUPA	HV	0.000	0.002	0.001

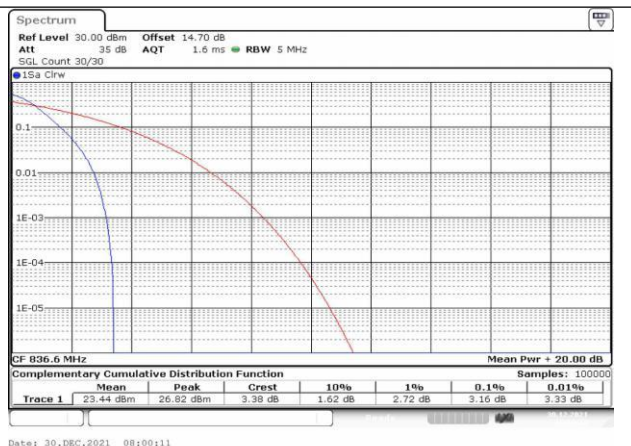
7. Peak-Average Ratio

WCDMA band V

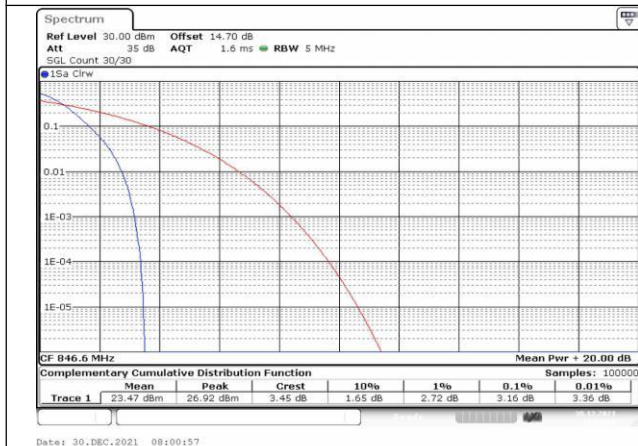
Test Mode: Release 99



Channel 4132

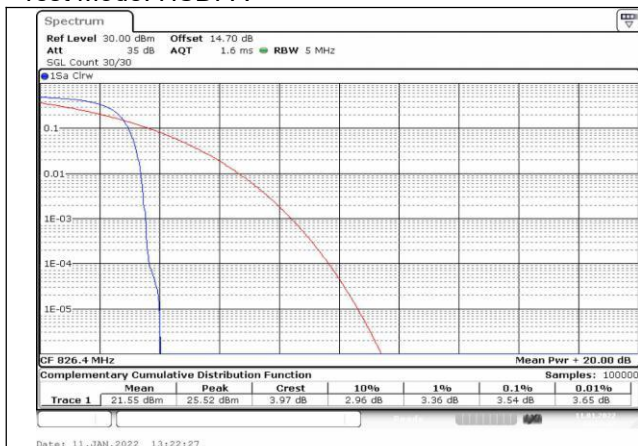


Channel 4183

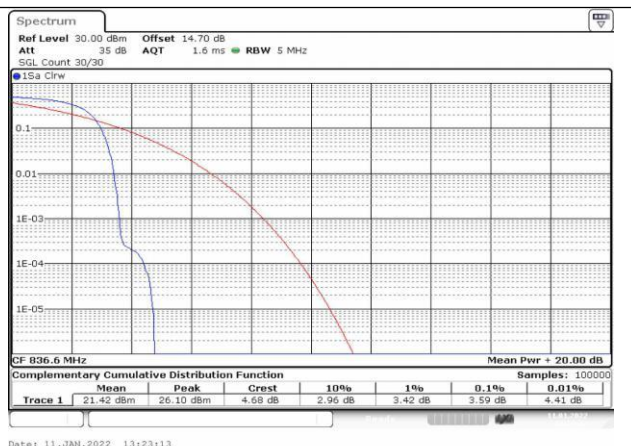


Channel 4233

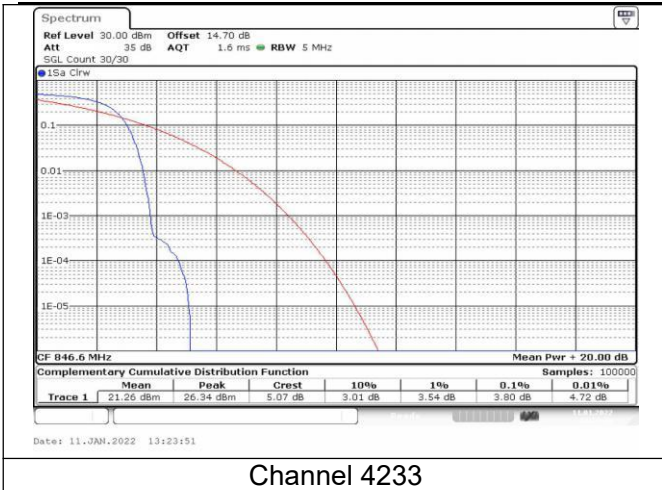
Test Mode: HSDPA



Channel 4132

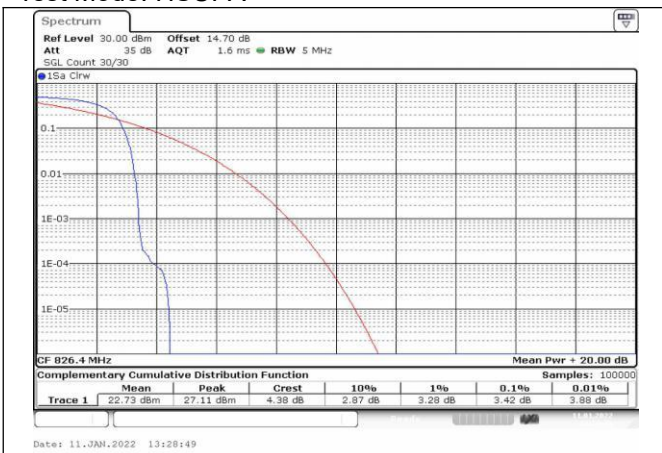


Channel 4183

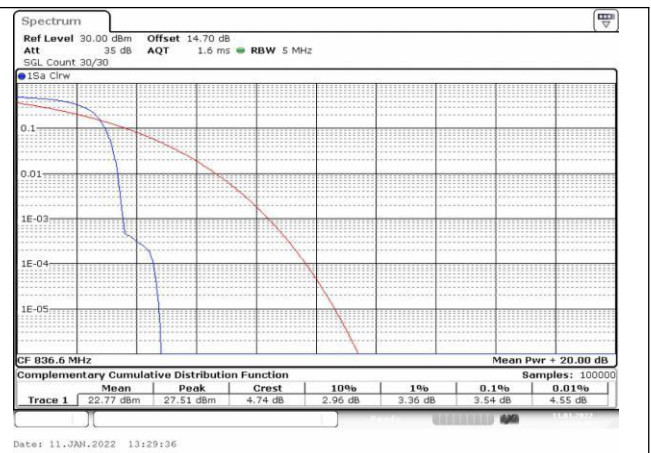


Channel 4233

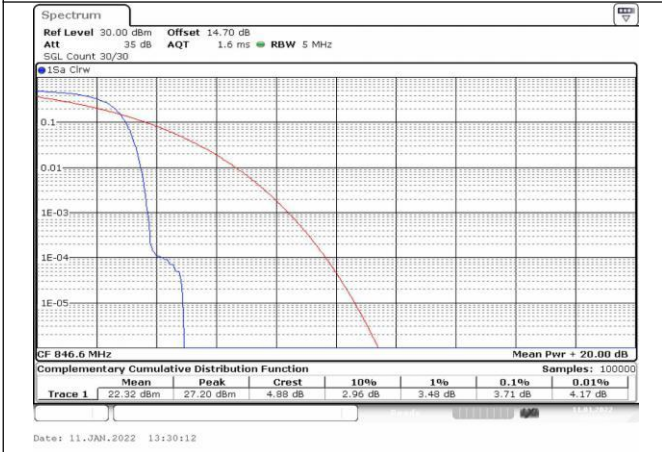
Test Mode: HSUPA



Channel 4132



Channel 4183



Channel 4233

8. EffectVe Radiated Power and EffectVe Isotropic Radiated Power

WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kps	826.4	4132	23.47	17.52	0.056
Release 99	RMC,12.2kps	836.6	4183	23.47	17.52	0.056
Release 99	RMC,12.2kps	846.6	4233	23.49	17.54	0.057

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	22.7	16.75	0.047
HSDPA	Subtest1	836.6	4183	22.56	16.61	0.046
HSDPA	Subtest1	846.6	4233	22.4	16.45	0.044
HSDPA	Subtest2	826.4	4132	22.16	16.21	0.042
HSDPA	Subtest2	836.6	4183	22.25	16.30	0.043
HSDPA	Subtest2	846.6	4233	22.05	16.10	0.041
HSDPA	Subtest3	826.4	4132	22.09	16.14	0.041
HSDPA	Subtest3	836.6	4183	21.97	16.02	0.040
HSDPA	Subtest3	846.6	4233	21.84	15.89	0.039
HSDPA	Subtest4	826.4	4132	21.98	16.03	0.040
HSDPA	Subtest4	836.6	4183	21.88	15.93	0.039
HSDPA	Subtest4	846.6	4233	21.74	15.79	0.038

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	23.32	17.37	0.055
HSUPA	Subtest1	836.6	4183	23.23	17.28	0.053
HSUPA	Subtest1	846.6	4233	23.07	17.12	0.052
HSUPA	Subtest2	826.4	4132	23.31	17.36	0.054
HSUPA	Subtest2	836.6	4183	23.22	17.27	0.053
HSUPA	Subtest2	846.6	4233	23.08	17.13	0.052
HSUPA	Subtest3	826.4	4132	23.27	17.32	0.054
HSUPA	Subtest3	836.6	4183	23.4	17.45	0.056
HSUPA	Subtest3	846.6	4233	23.06	17.11	0.051
HSUPA	Subtest4	826.4	4132	23.29	17.34	0.054
HSUPA	Subtest4	836.6	4183	23.24	17.29	0.054
HSUPA	Subtest4	846.6	4233	23.06	17.11	0.051
HSUPA	Subtest5	826.4	4132	23.28	17.33	0.054
HSUPA	Subtest5	836.6	4183	23.35	17.40	0.055
HSUPA	Subtest5	846.6	4233	23.01	17.06	0.051

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	826.4	4132	23.31	17.36	0.054
HSPA+	QPSK	836.6	4183	23.21	17.26	0.053
HSPA+	QPSK	846.6	4233	23.07	17.12	0.052
HSPA+	16QAM	826.4	4132	23.31	17.36	0.054
HSPA+	16QAM	836.6	4183	23.23	17.28	0.053
HSPA+	16QAM	846.6	4233	23.05	17.10	0.051

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	826.4	4132	23.17	17.22	0.053
DC-HSDPA	Subtest1	836.6	4183	23.11	17.16	0.052
DC-HSDPA	Subtest1	846.6	4233	23.1	17.15	0.052
DC-HSDPA	Subtest2	826.4	4132	23.19	17.24	0.053
DC-HSDPA	Subtest2	836.6	4183	23.11	17.16	0.052
DC-HSDPA	Subtest2	846.6	4233	22.94	16.99	0.050
DC-HSDPA	Subtest3	826.4	4132	23.15	17.20	0.052
DC-HSDPA	Subtest3	836.6	4183	23.27	17.32	0.054
DC-HSDPA	Subtest3	846.6	4233	22.94	16.99	0.050
DC-HSDPA	Subtest4	826.4	4132	23.16	17.21	0.053
DC-HSDPA	Subtest4	836.6	4183	23.26	17.31	0.054
DC-HSDPA	Subtest4	846.6	4233	22.94	16.99	0.050

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
3757.968750	-50.76	-13	Vertical
4786.875000	-59.36	-13	Vertical
5642.812500	-54.92	-13	Vertical
9405.000000	-54.43	-13	Vertical
14023.125000	-51.95	-13	Vertical
17284.218750	-44.10	-13	Vertical

WCDMA band IV

Test result:

WCDMA Mode:

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
4337.343750	-61.13	-13	Vertical
5194.218750	-58.63	-13	Vertical
6443.437500	-57.66	-13	Vertical
8667.187500	-52.90	-13	Vertical
14568.281250	-51.53	-13	Vertical
16746.562500	-45.61	-13	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
3213.890625	-64.16	-13	Vertical
3562.453125	-64.11	-13	Vertical
4326.609375	-61.53	-13	Vertical
4791.257813	-60.10	-13	Vertical
8634.890625	-55.82	-13	Vertical
10477.031250	-56.74	-13	Vertical

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