HSUPA Mode:

Date: 2.OCT.2019 18:54:16

Channel 4183 30MHz~1GHz(dBm)

Date: 2.OCT.2019 18:54:26
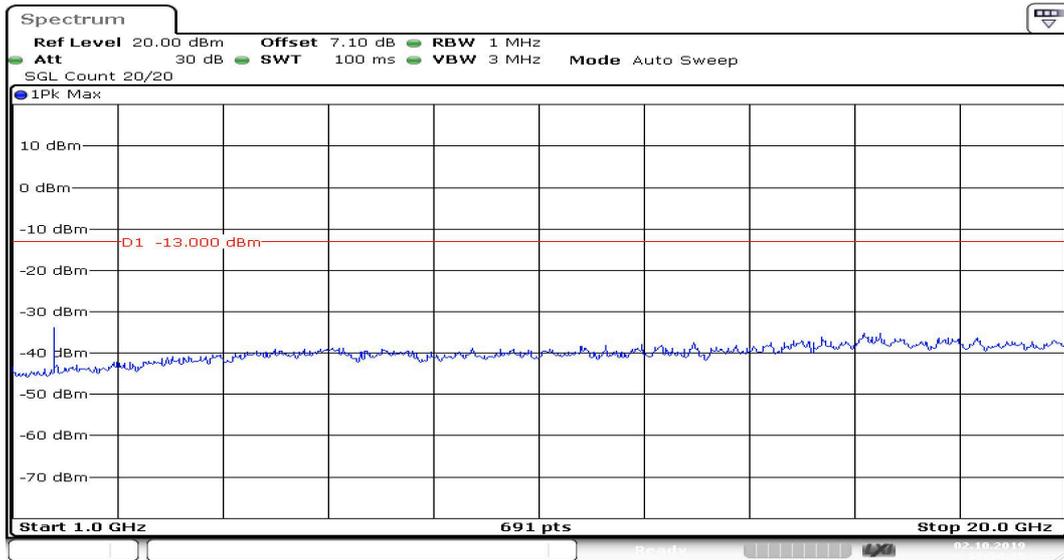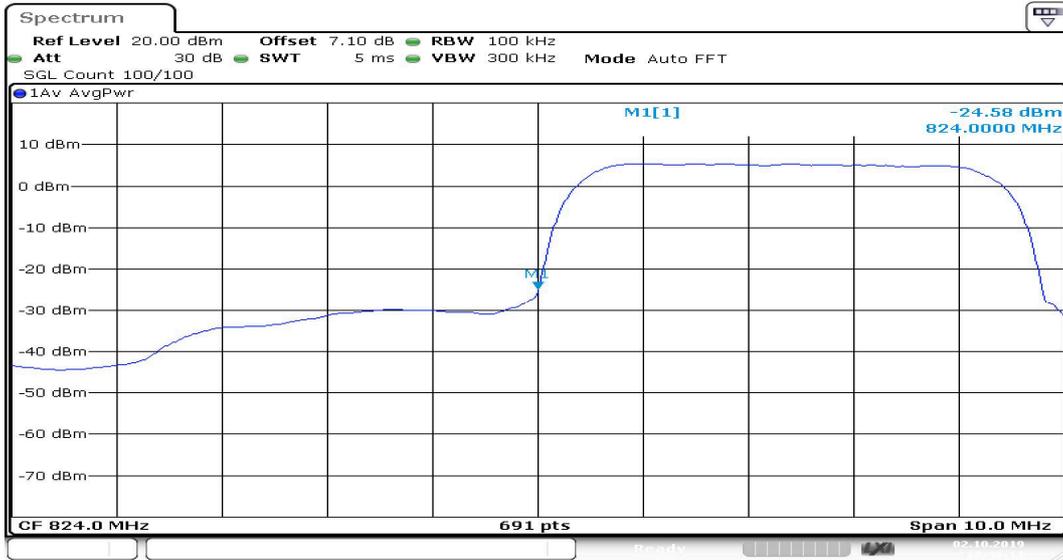
Channel 4183 1GHz~20GHz(dBm)
Note: The signal beyond the limit is the signal transmitted by EUT.
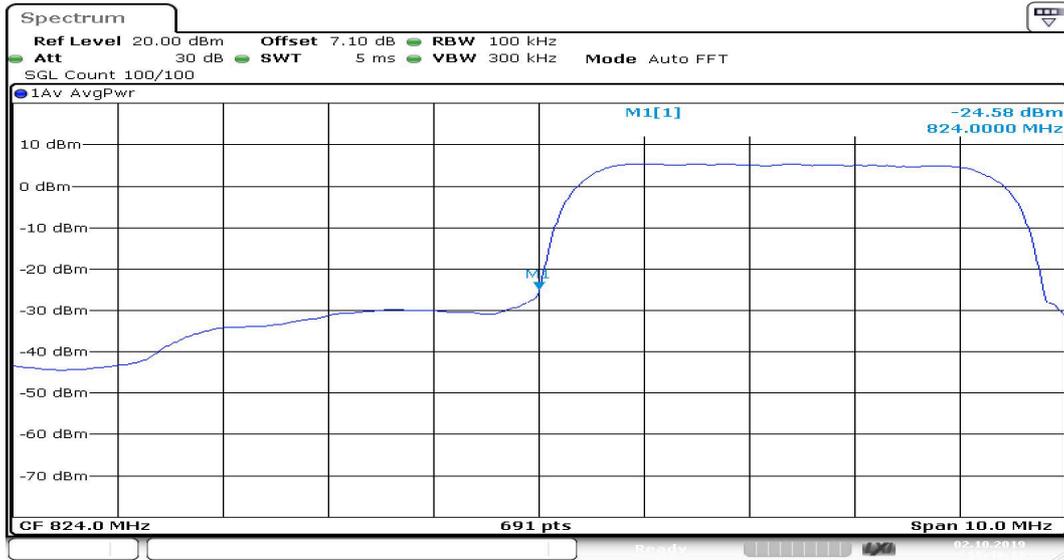
5   Band Edges Compliance

WCDMA band V

REL99 Mode:

Date: 2.OCT.2019 18:48:12

Channel 4132

Date: 2.OCT.2019 18:54:34

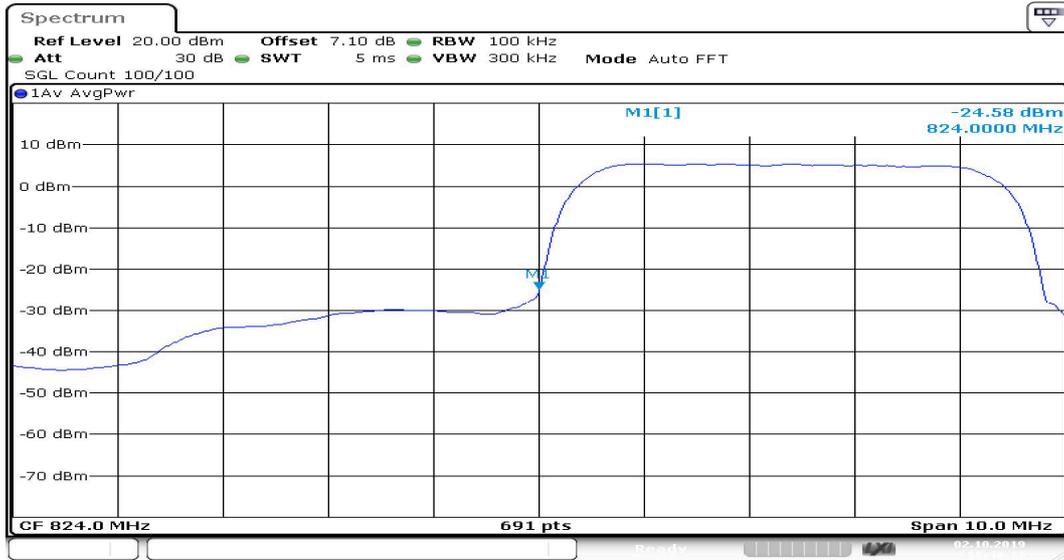Channel 4233

HSDPA Mode:

Channel 4132

Channel 4233

HSUPA Mode:

Channel 4132

Channel 4233

6 Frequency Stability

WCDMA band V
REL99 Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-10	-0.002	-0.004	-0.002
0	-0.001	-0.004	-0.003
+10	-0.001	-0.004	-0.003
+20	0.000	0.000	0.000
+30	-0.001	-0.001	-0.002
+40	-0.001	-0.005	-0.001
+50	0.000	-0.002	-0.002
+55	0.001	-0.002	-0.002
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	-0.001	-0.005	0.000
HV	-0.002	-0.004	-0.002

HSDPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-10	0.006	0.005	-0.002
0	0.004	0.002	-0.002
+10	0.005	0.004	-0.002
+20	0.000	0.000	0.000
+30	-0.004	0.001	-0.002
+40	-0.005	0.000	-0.001
+50	0.000	0.001	-0.003
+55	-0.004	0.000	-0.003
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	-0.005	0.002	-0.003
HV	-0.002	0.000	0.000

HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-10	0.001	0.001	0.002
0	0.000	-0.001	0.003
+10	0.000	0.001	0.002
+20	0.000	0.000	0.000
+30	-0.001	0.001	0.003
+40	-0.001	0.003	0.003
+50	0.002	-0.001	0.001
+55	0.003	0.000	0.000
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	0.001	0.000	0.004
HV	0.000	0.000	0.000

7   Peak-Average Ratio

WCDMA band V

REL99 Mode:
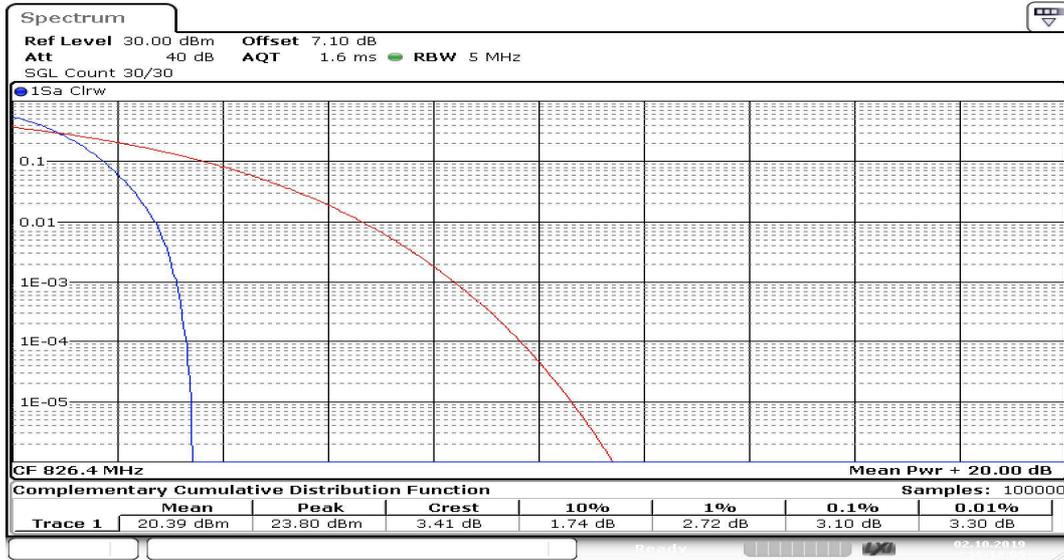
Date: 2.OCT.2019 18:12:10

Channel 4132
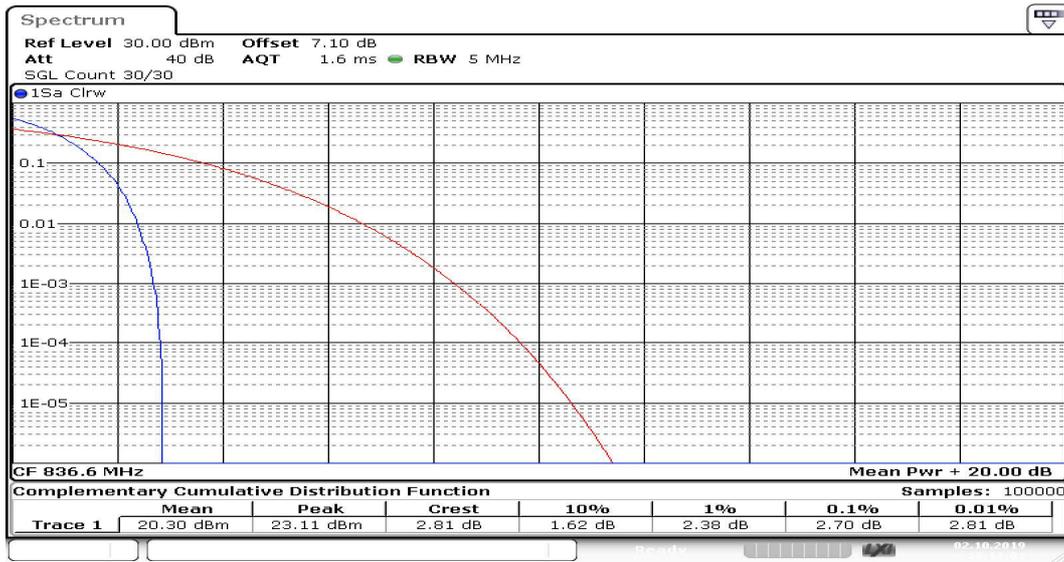
Date: 2.OCT.2019 18:13:02

Channel 4183

Spectrum

Ref Level 30.00 dBm   Offset 7.10 dB
Att   40 dB   AQT   1.6 ms   RBW 5 MHz
SGL Count 30/30
1Sa Clrw

0.1
0.01
1E-03
1E-04
1E-05

CF 846.6 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	18.77 dBm	21.93 dBm	3.16 dB	1.74 dB	2.61 dB	2.96 dB	3.13 dB
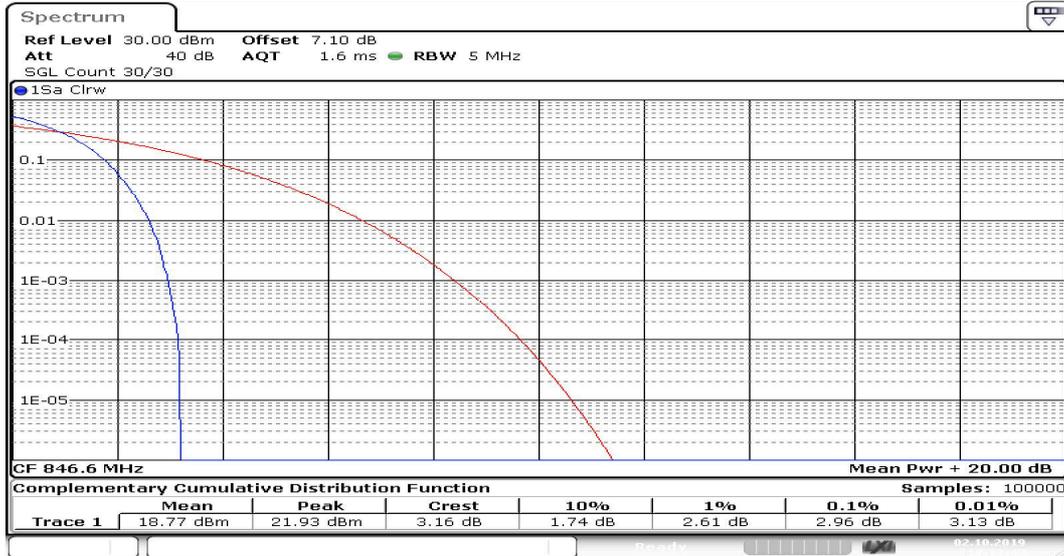
Date: 2.OCT.2019 18:13:47

Channel 4233

HSDPA Mode:

Spectrum

Ref Level 30.00 dBm   Offset 7.10 dB
Att   40 dB   AQT   1.6 ms   RBW 5 MHz
SGL Count 30/30
1Sa Clrw

0.1
0.01
1E-03
1E-04
1E-05

CF 826.4 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	17.85 dBm	22.50 dBm	4.65 dB	3.01 dB	3.54 dB	3.80 dB	4.03 dB
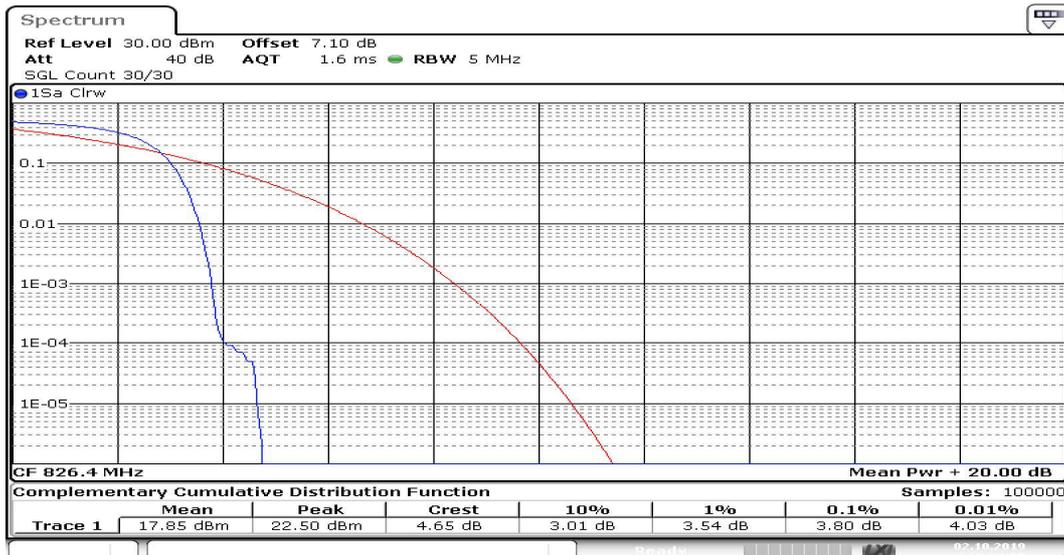
Date: 2.OCT.2019 18:30:06

Channel 4132
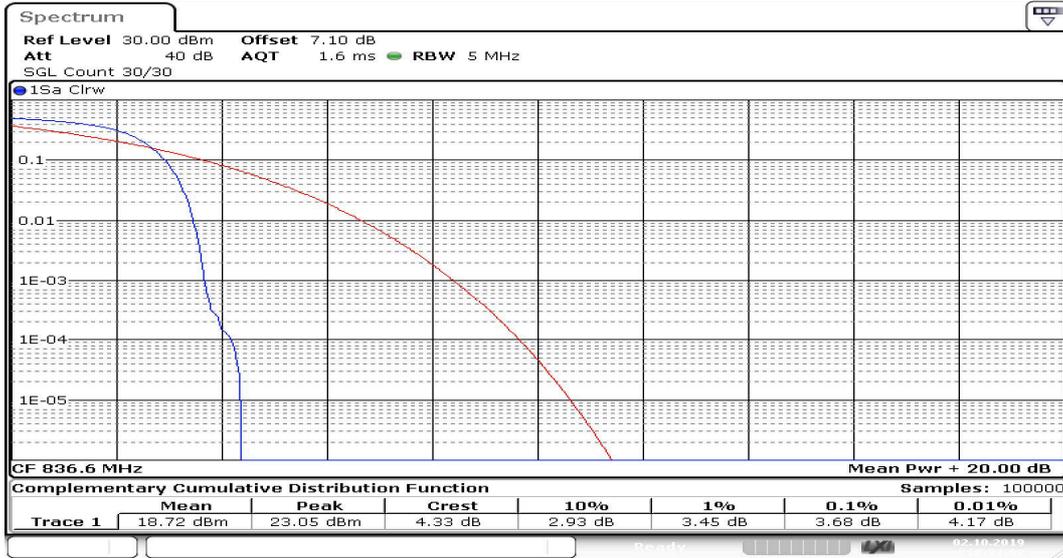
Channel 4183

Channel 4233

HSUPA Mode:

Spectrum

Ref Level 30.00 dBm   Offset 7.10 dB
Att   40 dB   AQT   1.6 ms   RBW 5 MHz
SGL Count 30/30

1Sa Clrw

CF 826.4 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.31 dBm	24.39 dBm	3.08 dB	1.65 dB	2.55 dB	2.87 dB	3.01 dB
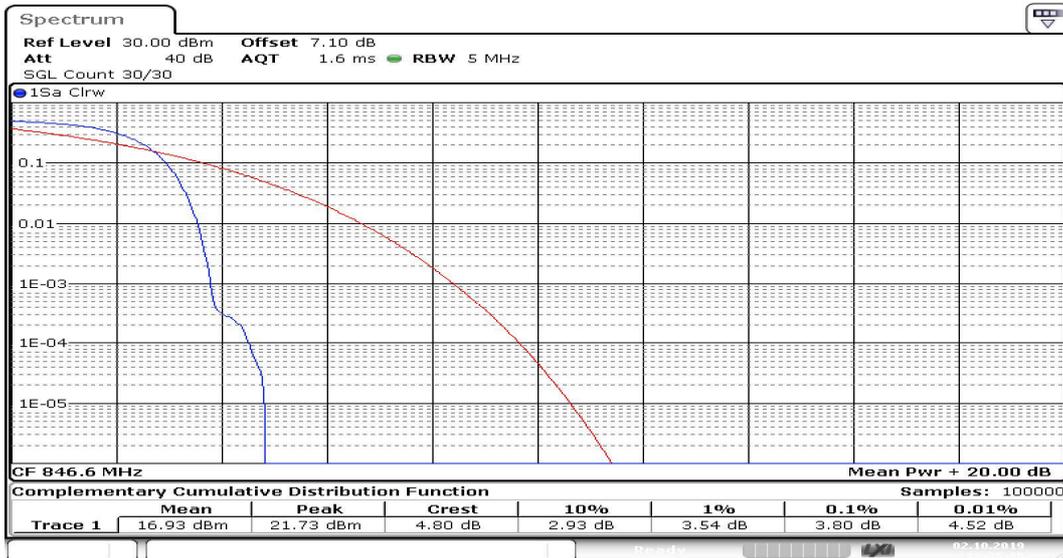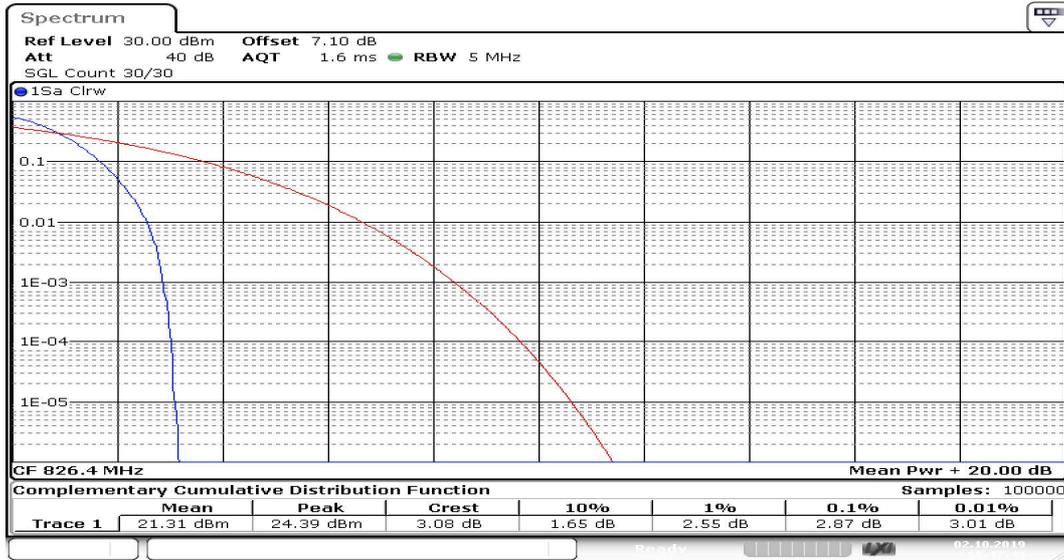
Date: 2.OCT.2019 18:47:43

Channel 4132

Spectrum

Ref Level 30.00 dBm   Offset 7.10 dB
Att   40 dB   AQT   1.6 ms   RBW 5 MHz
SGL Count 30/30

1Sa Clrw

CF 836.6 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.03 dBm	23.17 dBm	3.14 dB	1.68 dB	2.52 dB	2.90 dB	3.04 dB
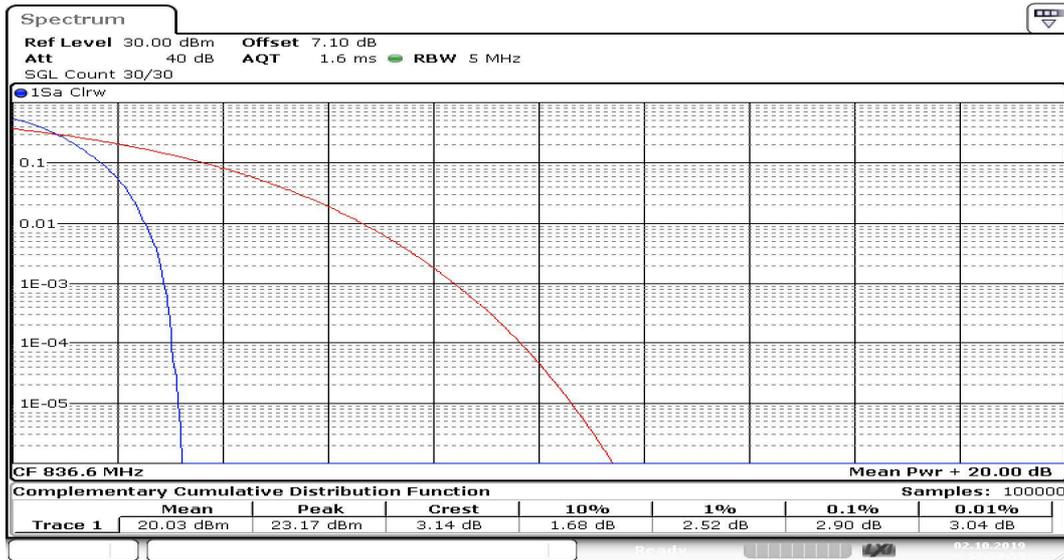
Date: 2.OCT.2019 18:51:00

Channel 4183

Spectrum

Ref Level 30.00 dBm   Offset 7.10 dB
Att   40 dB   AQT   1.6 ms ● RBW 5 MHz
SGL Count 30/30
● 1Sa Clrw

CF 846.6 MHz   Mean Pwr + 20.00 dB

Complementary Cumulative Distribution Function   Samples: 100000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	19.06 dBm	22.11 dBm	3.05 dB	1.74 dB	2.55 dB	2.90 dB	3.01 dB
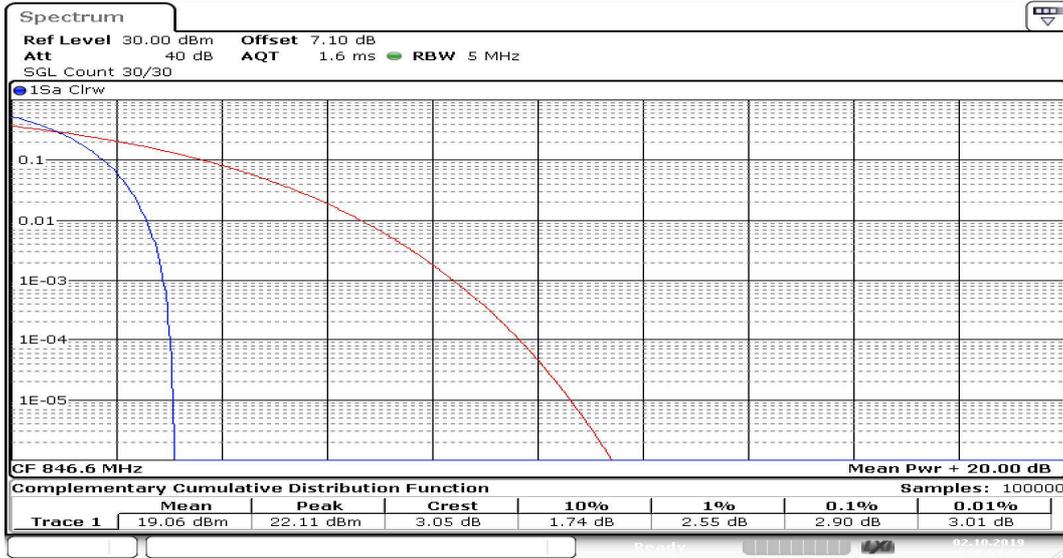
Date: 2.OCT.2019 18:54:07

Channel 4233

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8 Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band V

Mode		Carrier	Channel No.	Conducted	ERP/EIRP	ERP/EIRP
Release 99	RMC,12.2kbps	826.4	4132	21.88	19.19	0.083
		836.6	4183	21.61	18.92	0.078
		846.6	4233	22.18	19.49	0.089
HSDPA	Subtest1	826.4	4132	21.16	18.47	0.070
		836.6	4183	20.79	18.10	0.065
		846.6	4233	21.10	18.41	0.069
	Subtest2	826.4	4132	21.16	18.47	0.070
		836.6	4183	20.79	18.10	0.065
		846.6	4233	21.10	18.41	0.069
	Subtest3	826.4	4132	21.16	18.47	0.070
		836.6	4183	20.79	18.10	0.065
		846.6	4233	21.10	18.41	0.069
	Subtest4	826.4	4132	21.16	18.47	0.070
		836.6	4183	20.79	18.10	0.065
		846.6	4233	21.10	18.41	0.069
HSUPA	Subtest1	826.4	4132	21.64	18.95	0.079
		836.6	4183	21.50	18.81	0.076
		846.6	4233	21.84	19.15	0.082
	Subtest2	826.4	4132	21.64	18.95	0.079
		836.6	4183	21.50	18.81	0.076
		846.6	4233	21.84	19.15	0.082
	Subtest3	826.4	4132	21.64	18.95	0.079
		836.6	4183	21.50	18.81	0.076
		846.6	4233	21.84	19.15	0.082
	Subtest4	826.4	4132	21.64	19.19	0.083
		836.6	4183	21.50	18.92	0.078
		846.6	4233	21.84	19.49	0.089
	Subtest5	826.4	4132	21.64	18.47	0.070
		836.6	4183	21.50	18.10	0.065
		846.6	4233	21.84	18.41	0.069

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

WCDMA band II

Test result:

Test result:

WCDMA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.41	-49.46	-13	Vertical
2778.84	-47.40	-13	Vertical
3727.80	-41.21	-13	Vertical
6675.60	-39.16	-13	Vertical
9960.98	-37.69	-13	Vertical
17818.71	-34.30	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.82	-48.98	-13	Vertical
2782.11	-47.51	-13	Vertical
3725.33	-41.34	-13	Vertical
6676.93	-39.37	-13	Vertical
9963.27	-37.53	-13	Vertical
17818.41	-34.06	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.42	-48.81	-13	Vertical
2781.22	-46.90	-13	Vertical
3727.83	-41.35	-13	Vertical
6678.24	-39.48	-13	Vertical
9960.97	-36.85	-13	Vertical
17822.19	-34.33	-13	Vertical

HSDPA/HSUPA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.31	-48.78	-13	Vertical
2780.54	-47.27	-13	Vertical
3725.20	-41.02	-13	Vertical
6677.08	-39.88	-13	Vertical
9962.20	-37.02	-13	Vertical
17821.56	-34.33	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.09	-49.46	-13	Vertical
2780.50	-47.62	-13	Vertical
3727.59	-40.93	-13	Vertical
6678.78	-40.10	-13	Vertical
9961.03	-36.99	-13	Vertical
17819.29	-33.61	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.13	-48.87	-13	Vertical
2780.84	-46.99	-13	Vertical
3726.63	-40.68	-13	Vertical
6675.21	-39.58	-13	Vertical
9959.82	-37.57	-13	Vertical
17821.44	-34.07	-13	Vertical

WCDMA band IV
Test result:

WCDMA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.13	-49.04	-13	Vertical
2781.50	-47.05	-13	Vertical
3726.72	-41.08	-13	Vertical
6675.26	-39.28	-13	Vertical
9960.23	-37.51	-13	Vertical
17820.84	-34.11	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.41	-49.08	-13	Vertical
2779.81	-47.13	-13	Vertical
3725.18	-40.36	-13	Vertical
6678.12	-39.87	-13	Vertical
9960.02	-37.77	-13	Vertical
17819.31	-33.89	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.03	-49.31	-13	Vertical
2778.23	-47.85	-13	Vertical
3727.68	-41.16	-13	Vertical
6676.25	-39.65	-13	Vertical
9961.81	-37.34	-13	Vertical
17818.91	-34.36	-13	Vertical

HSDPA/HSUPA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.99	-48.97	-13	Vertical
2778.24	-47.26	-13	Vertical
3725.01	-41.18	-13	Vertical
6675.72	-40.08	-13	Vertical
9962.37	-37.66	-13	Vertical
17819.17	-33.84	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.28	-48.97	-13	Vertical
2779.27	-47.19	-13	Vertical
3726.09	-40.89	-13	Vertical
6678.36	-39.96	-13	Vertical
9961.00	-37.06	-13	Vertical
17818.74	-34.36	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.08	-48.91	-13	Vertical
2781.21	-47.69	-13	Vertical
3725.91	-40.68	-13	Vertical
6675.54	-39.84	-13	Vertical
9961.18	-37.42	-13	Vertical
17820.13	-33.65	-13	Vertical

WCDMA band V

Test result:
WCDMA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.80	-52.65	-13	Vertical
1668.64	-51.71	-13	Vertical
2536.05	-44.54	-13	Vertical
2575.66	-43.81	-13	Vertical
8961.57	-39.38	-13	Vertical
9971.46	-36.38	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.25	-53.04	-13	Vertical
1668.07	-51.32	-13	Vertical
2534.58	-44.27	-13	Vertical
2575.29	-44.40	-13	Vertical
8963.07	-39.34	-13	Vertical
9970.40	-36.53	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.85	-53.11	-13	Vertical
1667.51	-51.22	-13	Vertical
2533.28	-43.84	-13	Vertical
2575.53	-44.46	-13	Vertical
8962.59	-39.28	-13	Vertical
9969.82	-35.96	-13	Vertical

HSDPA/HSUPA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.77	-53.10	-13	Vertical
1665.59	-50.89	-13	Vertical
2534.41	-44.49	-13	Vertical
2577.88	-43.72	-13	Vertical
8961.42	-40.01	-13	Vertical
9972.43	-35.96	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.04	-52.80	-13	Vertical
1668.11	-50.92	-13	Vertical
2532.66	-44.44	-13	Vertical
2576.10	-44.20	-13	Vertical
8963.19	-39.60	-13	Vertical
9973.11	-36.62	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.17	-52.57	-13	Vertical
1668.29	-50.82	-13	Vertical
2532.45	-44.27	-13	Vertical
2577.73	-44.14	-13	Vertical
8964.18	-39.95	-13	Vertical
9969.93	-36.81	-13	Vertical

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