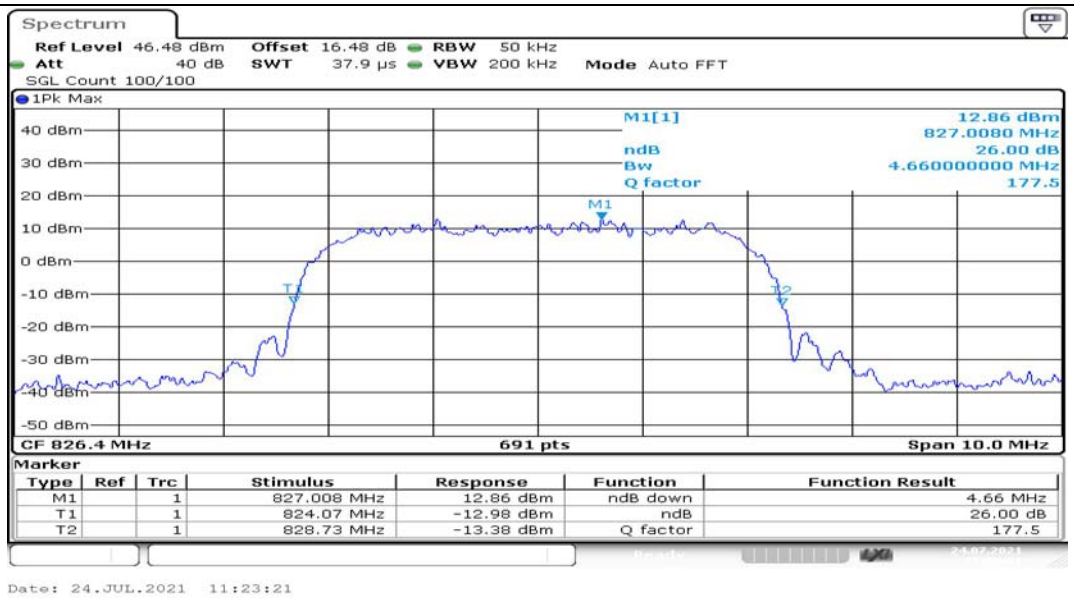
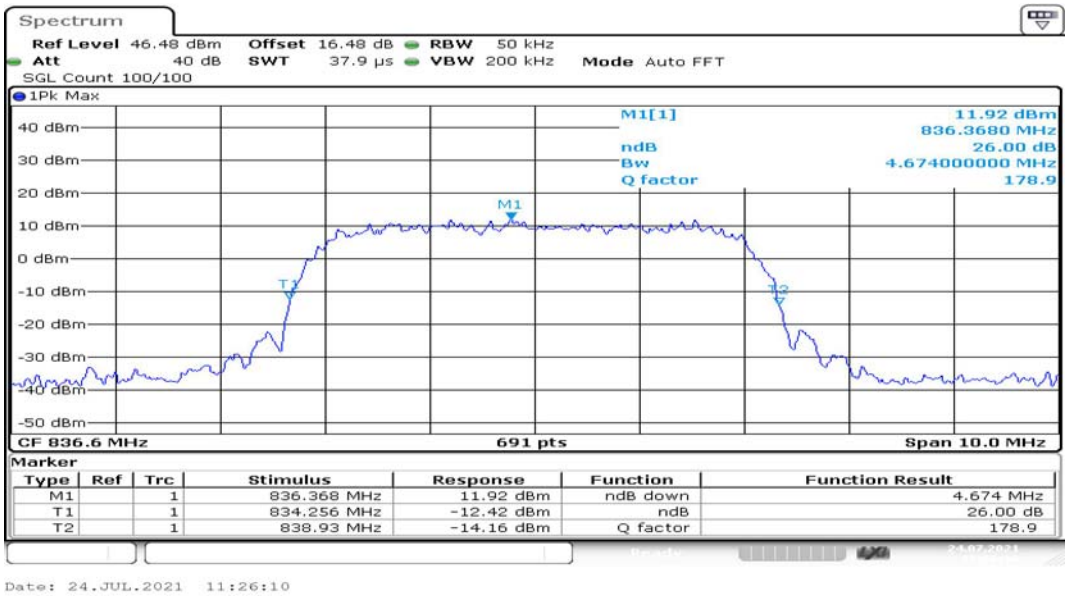


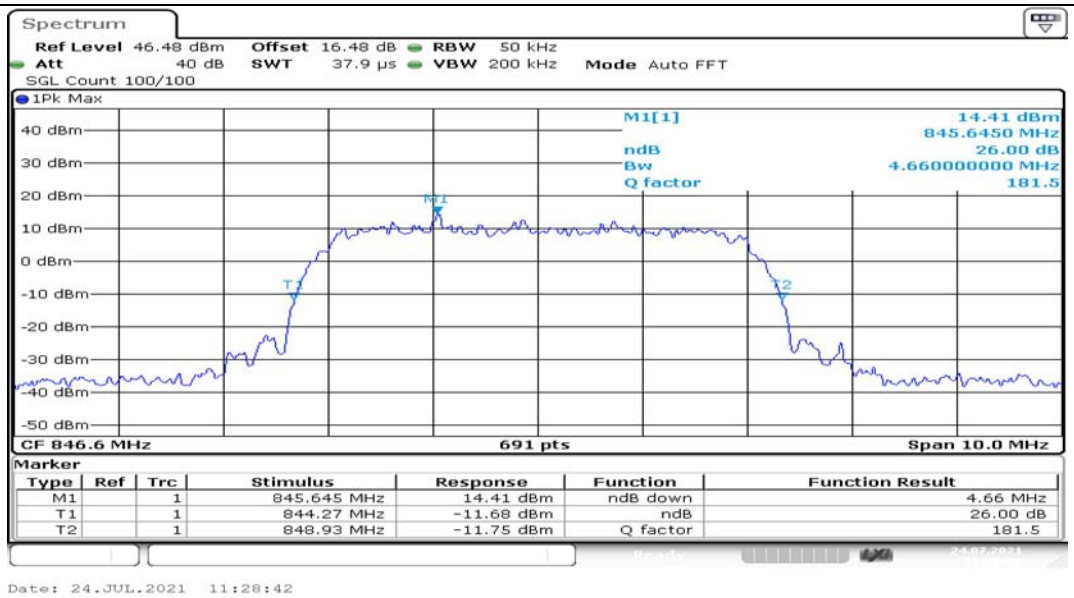
Date: 24.JUL.2021 11:23:21

Channel 4132



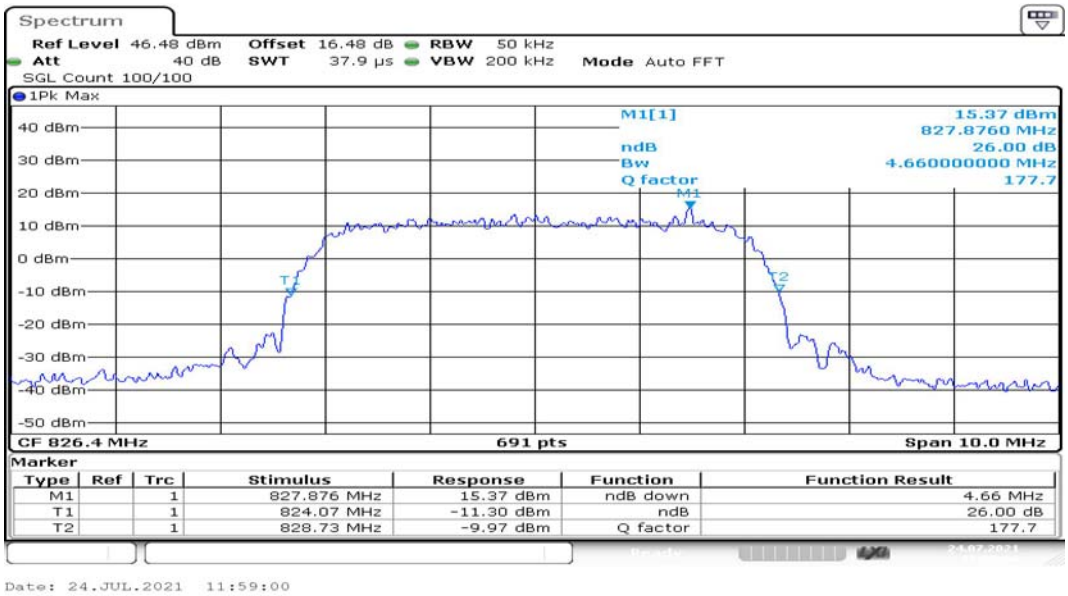
Date: 24.JUL.2021 11:26:10

Channel 4183

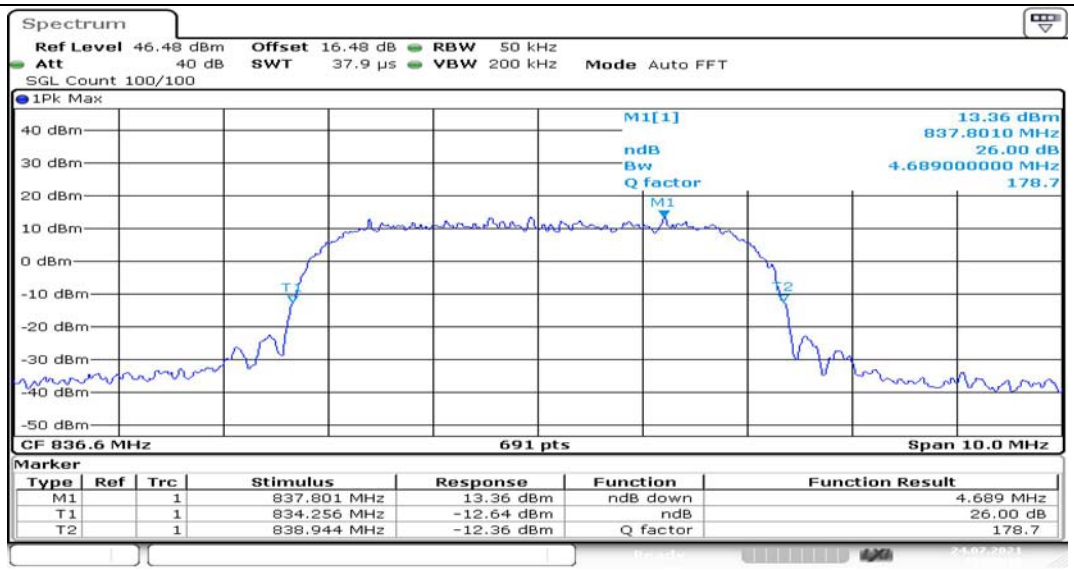


Channel 4233

HSUPA Mode:

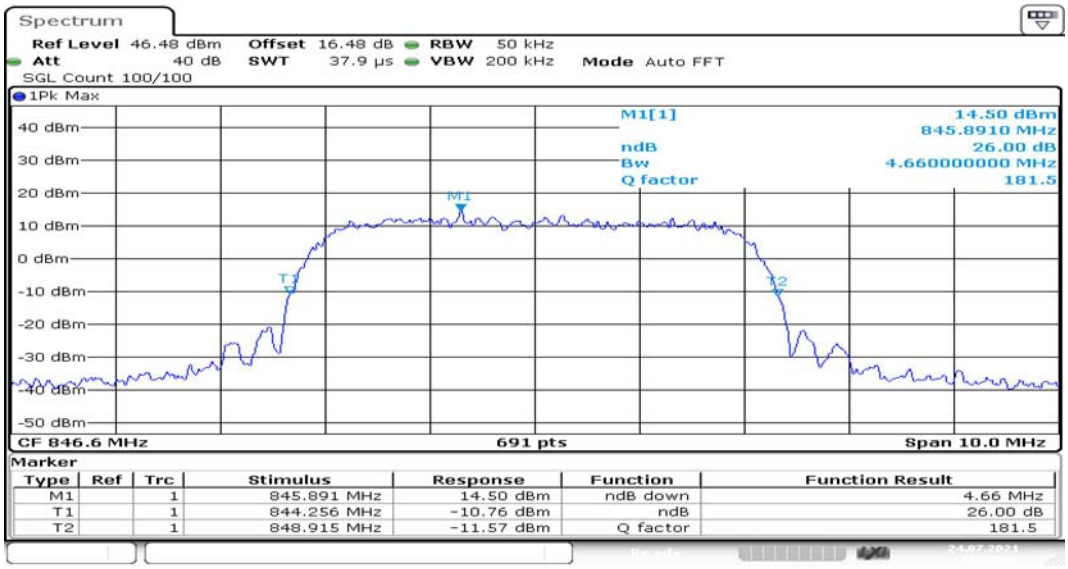


Channel 4132



Date: 24.JUL.2021 12:02:20

Channel 4183



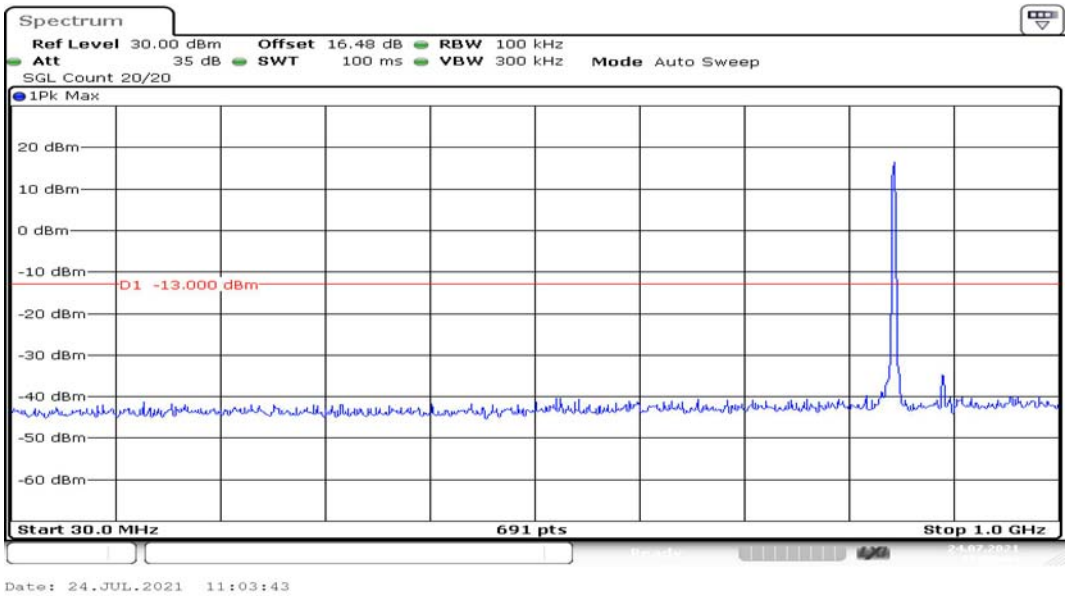
Date: 24.JUL.2021 12:05:39

Channel 4233

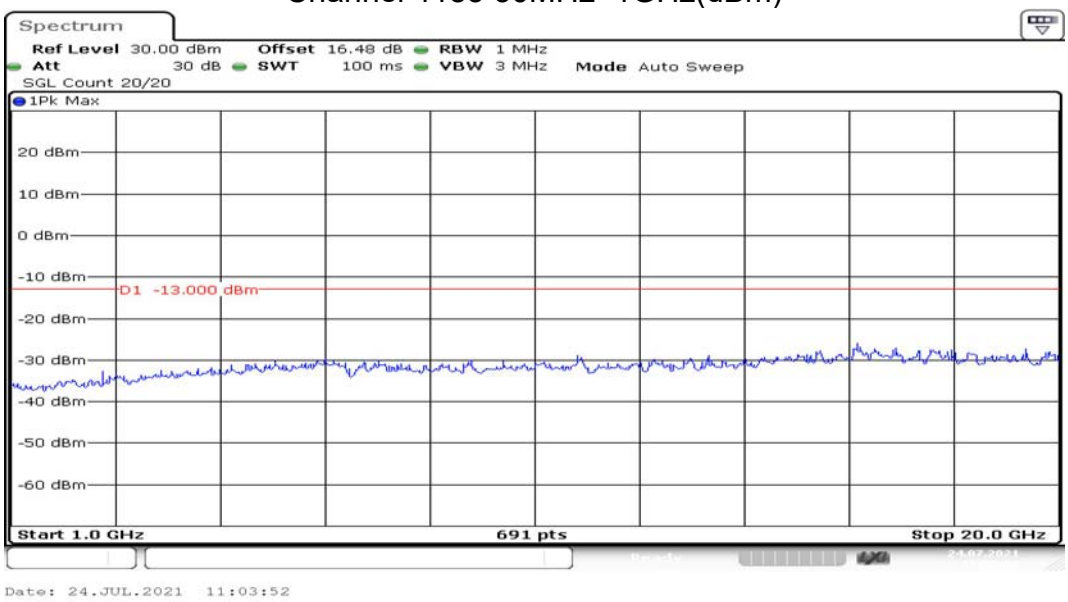
20 Spurious Emissions at antenna terminal

WCDMA band V

REL99 Mode:



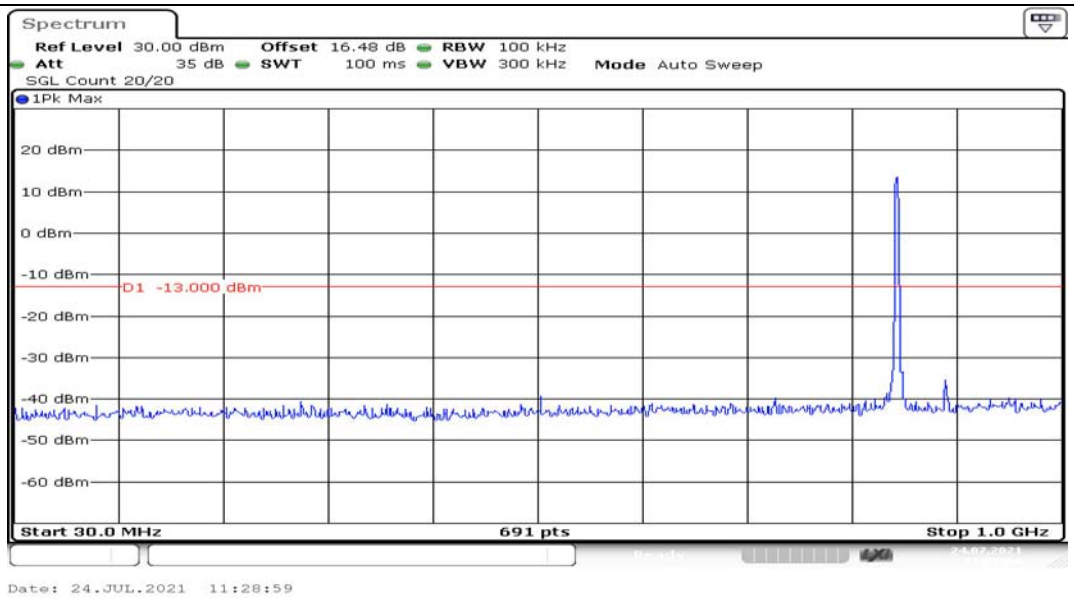
Channel 4183 30MHz~1GHz(dBm)



Channel 4183 1GHz~20GHz(dBm)

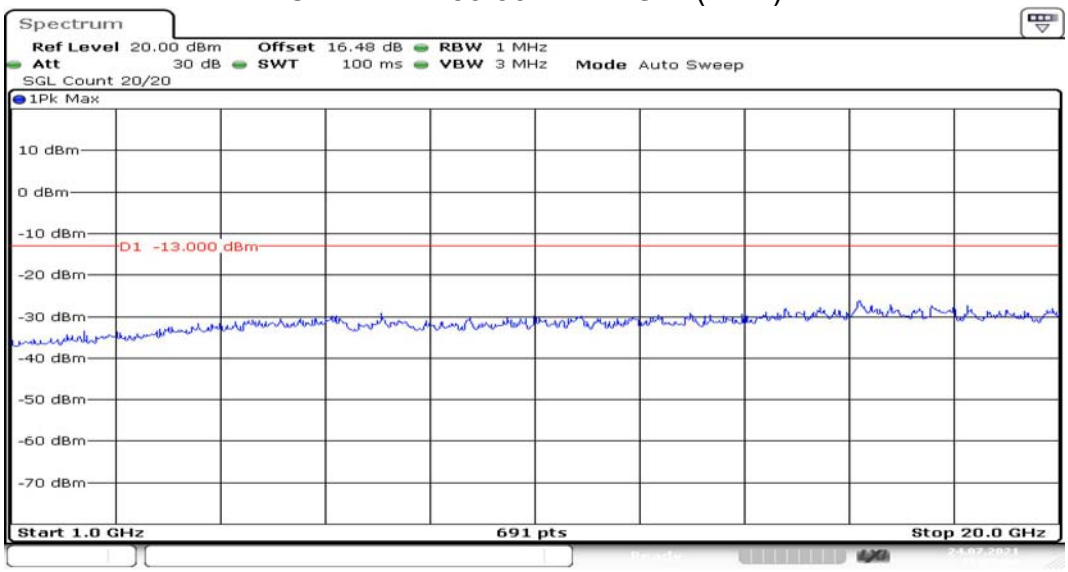
Note: The signal beyond the limit is the signal transmitted by EUT.

HSDPA Mode:



Date: 24.JUL.2021 11:28:59

Channel 4183 30MHz~1GHz(dBm)

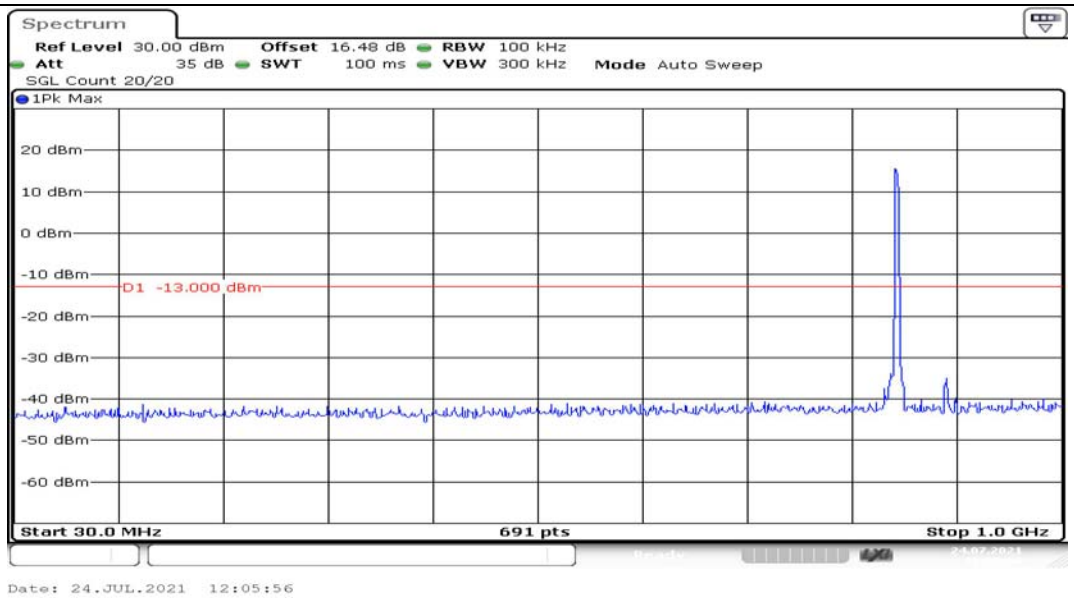


Date: 24.JUL.2021 11:29:08

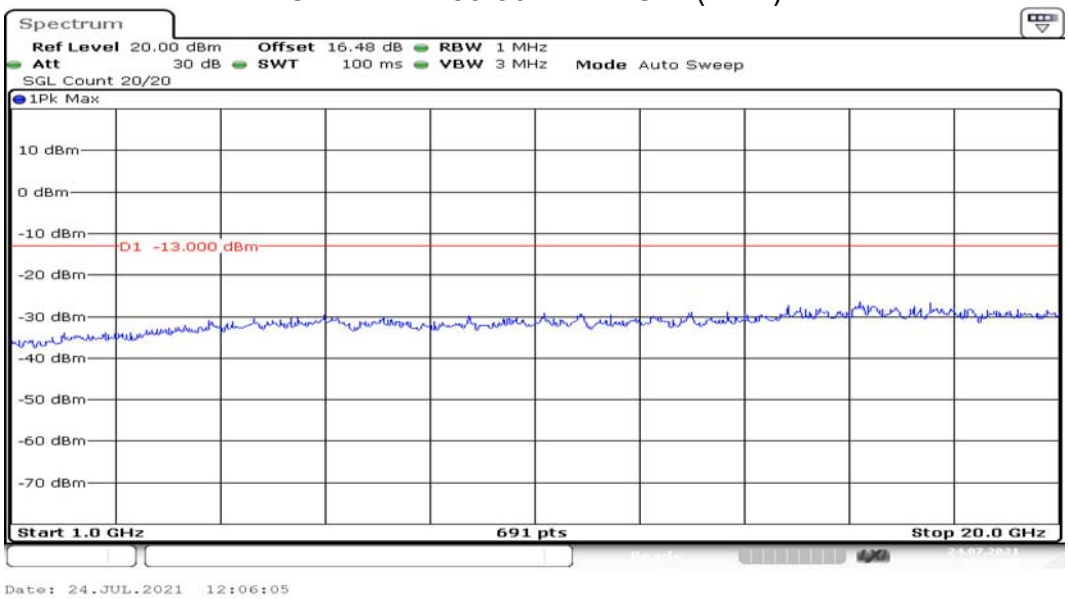
Channel 4183 1GHz~20GHz(dBm)

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

HSUPA Mode:



Channel 4183 30MHz~1GHz(dBm)



Channel 4183 1GHz~20GHz(dBm)

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

21 Band Edges Compliance

WCDMA band V

REL99 Mode:

Channel 4132

Channel 4233

HSDPA Mode:

Channel 4132

Channel 4233

HSUPA Mode:

Channel 4132

Channel 4233

22 Frequency Stability

WCDMA band V

REL99 Mode:

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

HSDPA Mode:

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

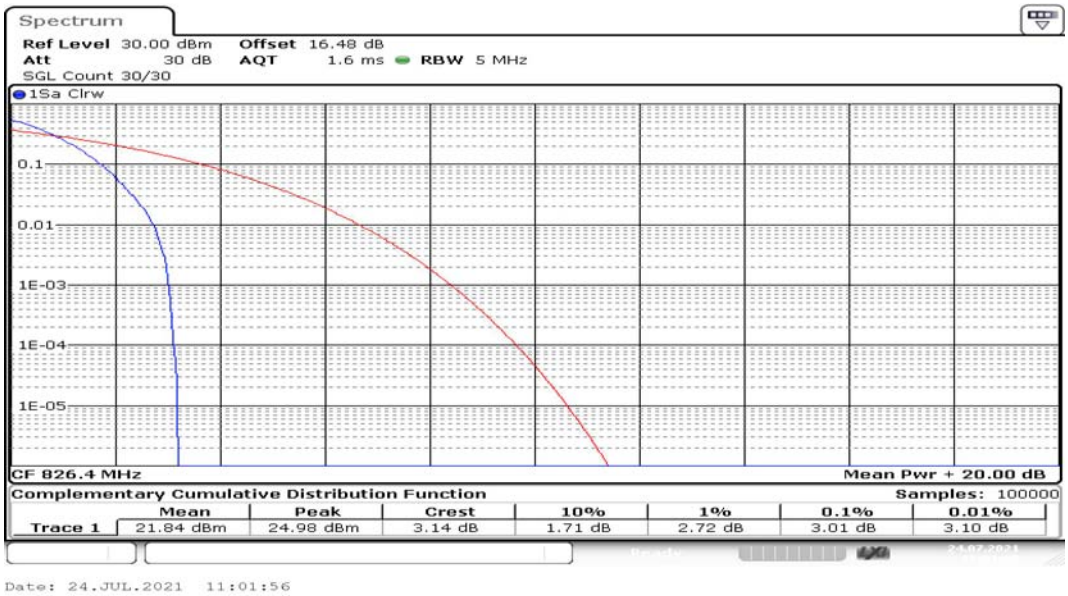
HSUPA Mode:

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

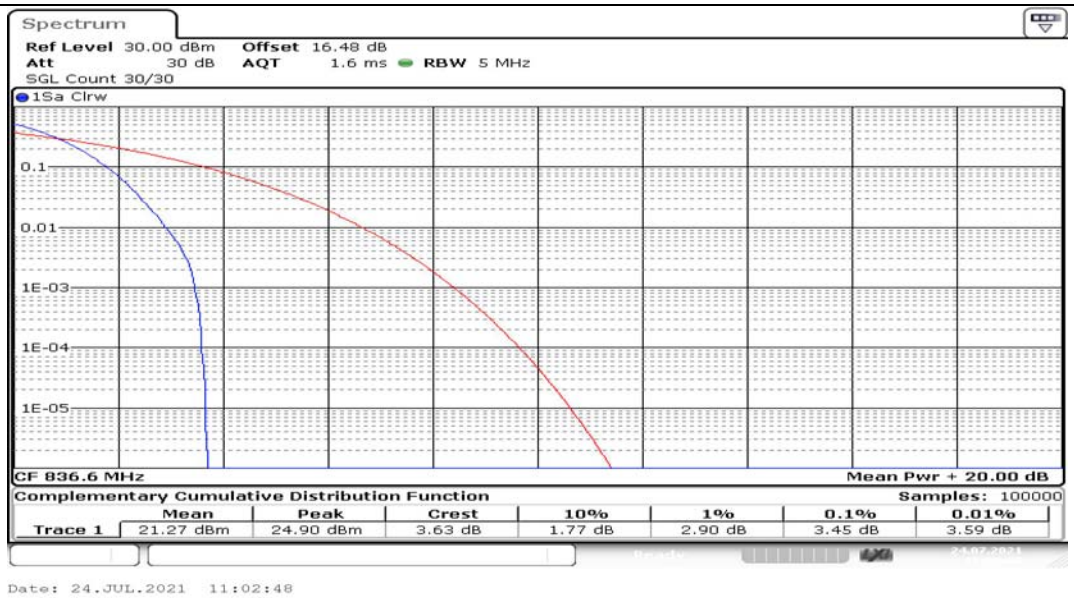
23 Peak-Average Ratio

WCDMA band V

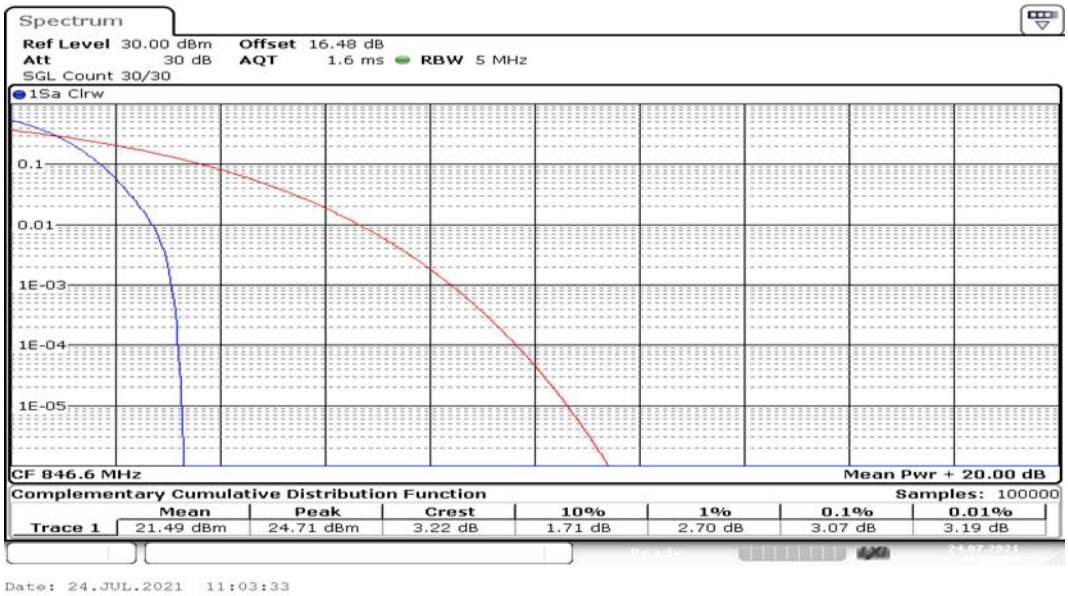
REL99 Mode:



Channel 4132

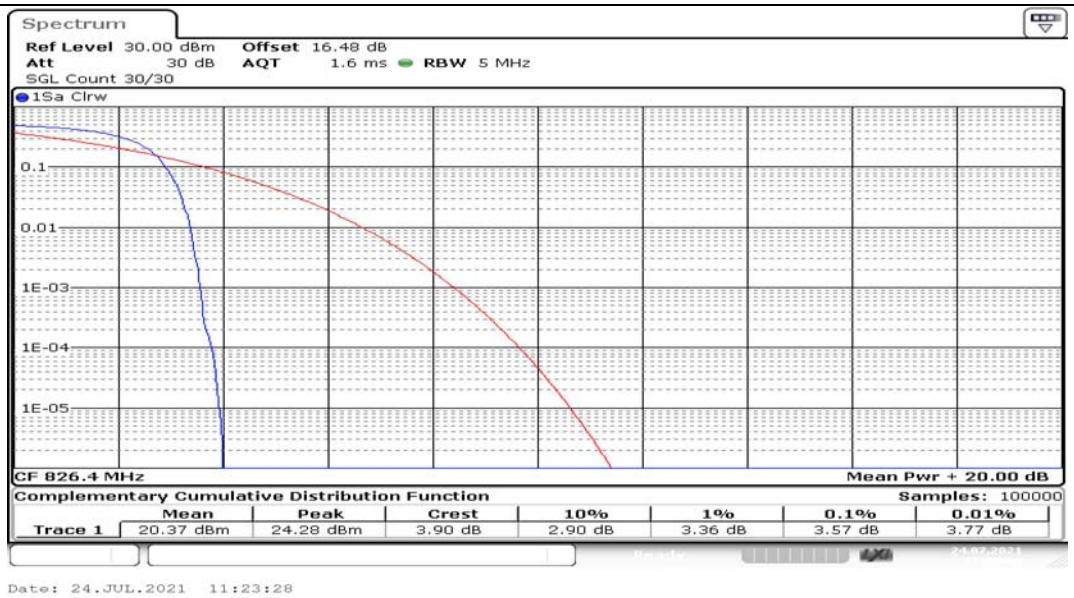


Channel 4183

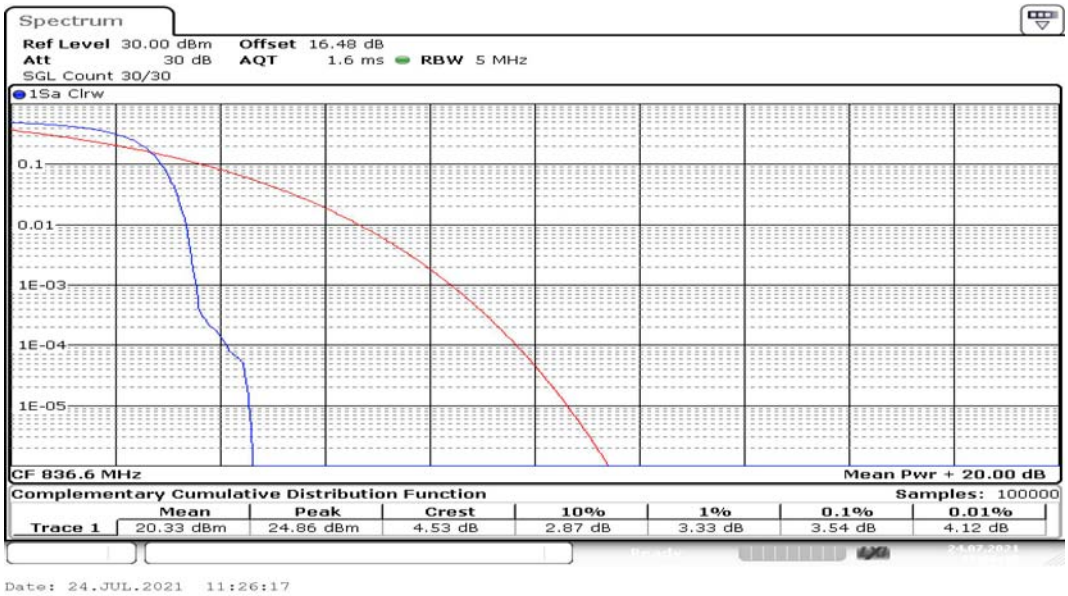


Channel 4233

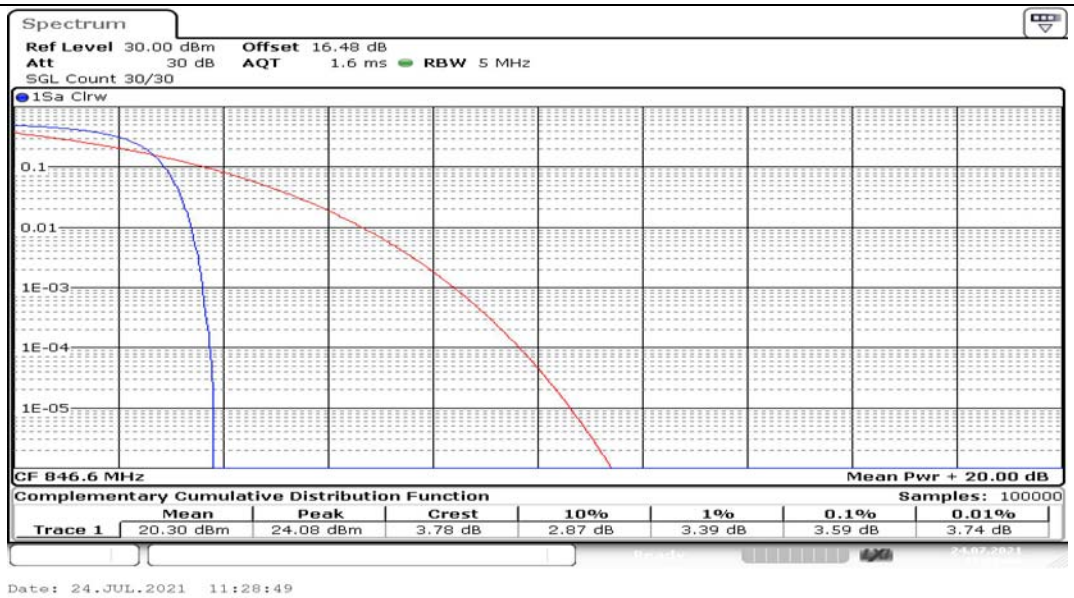
HSDPA Mode:



Channel 4132

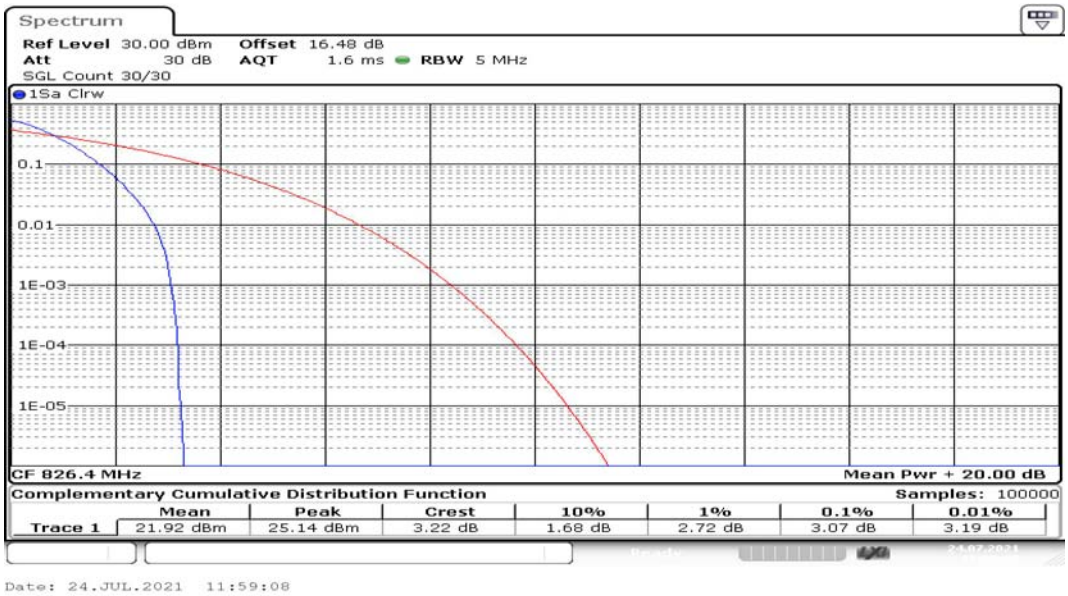


Channel 4183

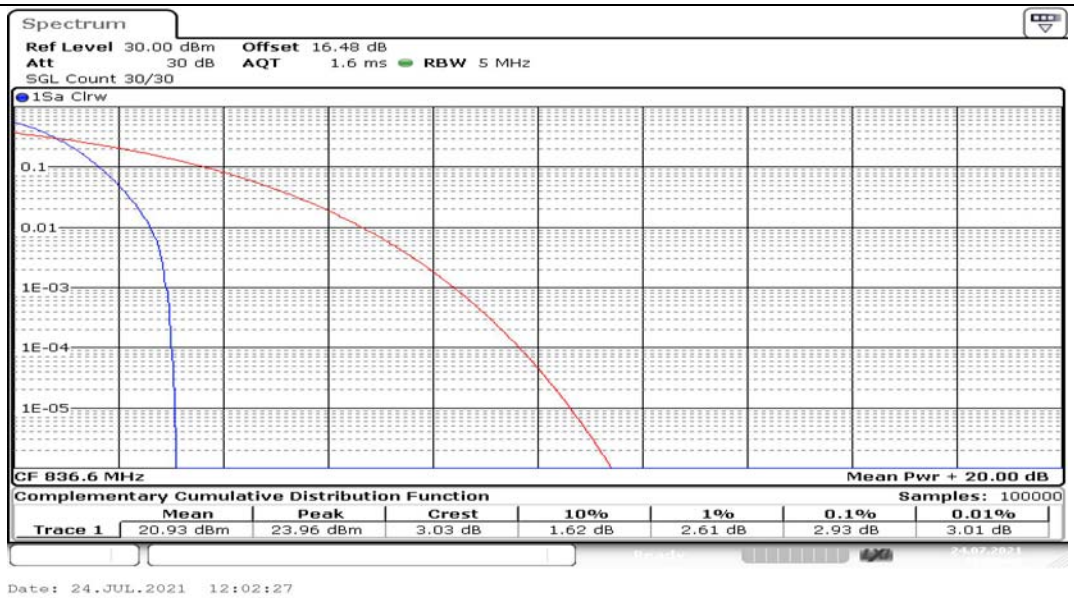


Channel 4233

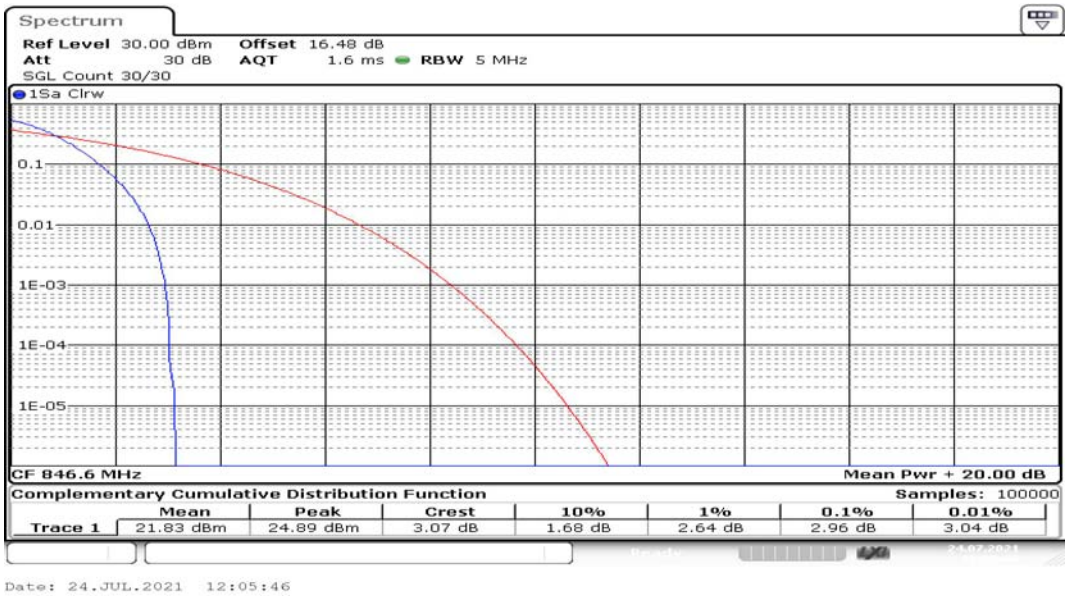
HSUPA Mode:



Channel 4132



Channel 4183



Channel 4233

24 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,12.2 kbps	826.4	4132	23.37	15.72	0.037
		836.6	4183	23.37	15.72	0.037
		846.6	4233	23.34	15.69	0.037
HSDPA	Subtest1	826.4	4132	22.39	14.74	0.030
		836.6	4183	22.37	14.72	0.030
		846.6	4233	22.32	14.67	0.029
	Subtest2	826.4	4132	22.40	14.75	0.030
		836.6	4183	22.37	14.72	0.030
		846.6	4233	22.31	14.66	0.029
	Subtest3	826.4	4132	21.90	14.25	0.027
		836.6	4183	21.88	14.23	0.026
		846.6	4233	21.83	14.18	0.026
	Subtest4	826.4	4132	21.90	14.25	0.027
		836.6	4183	21.78	14.13	0.026
		846.6	4233	21.82	14.17	0.026
HSUPA	Subtest1	826.4	4132	22.38	14.73	0.030
		836.6	4183	22.36	14.71	0.030
		846.6	4233	22.31	14.66	0.029
	Subtest2	826.4	4132	20.35	12.7	0.019
		836.6	4183	20.36	12.71	0.019
		846.6	4233	20.29	12.64	0.018
	Subtest3	826.4	4132	21.38	13.73	0.024
		836.6	4183	21.36	13.71	0.023
		846.6	4233	21.31	13.66	0.023
	Subtest4	826.4	4132	20.02	12.37	0.017
		836.6	4183	20.12	12.47	0.018
		846.6	4233	20.07	12.42	0.017
	Subtest5	826.4	4132	22.37	14.72	0.030
		836.6	4183	22.37	14.72	0.030
		846.6	4233	22.31	14.66	0.029

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

WCDMA band II
Test result:

WCDMA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.16	-49.44	-13	Vertical
2781.04	-47.06	-13	Vertical
3726.54	-40.67	-13	Vertical
6678.44	-39.34	-13	Vertical
9960.03	-36.83	-13	Vertical
17820.75	-34.36	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.57	-48.55	-13	Vertical
2778.85	-47.85	-13	Vertical
3724.74	-40.60	-13	Vertical
6676.21	-40.10	-13	Vertical
9960.01	-36.81	-13	Vertical
17818.83	-34.21	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.53	-48.96	-13	Vertical
2780.24	-46.98	-13	Vertical
3727.07	-40.95	-13	Vertical
6677.87	-39.61	-13	Vertical
9962.37	-37.18	-13	Vertical
17822.32	-34.28	-13	Vertical

HSDPA/HSUPA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.09	-48.61	-13	Vertical
2780.67	-47.78	-13	Vertical
3727.91	-40.75	-13	Vertical
6675.91	-39.45	-13	Vertical
9959.80	-37.09	-13	Vertical
17822.32	-33.73	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.15	-49.34	-13	Vertical
2778.80	-47.62	-13	Vertical
3727.31	-40.52	-13	Vertical
6677.05	-39.53	-13	Vertical
9963.03	-36.82	-13	Vertical
17820.55	-33.72	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.27	-49.23	-13	Vertical
2780.49	-47.01	-13	Vertical
3726.90	-40.88	-13	Vertical
6678.49	-39.59	-13	Vertical
9959.88	-37.41	-13	Vertical
17821.19	-34.39	-13	Vertical

WCDMA band IV
Test result:
WCDMA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.70	-48.94	-13	Vertical
2780.68	-47.25	-13	Vertical
3727.44	-41.12	-13	Vertical
6676.87	-39.96	-13	Vertical
9961.02	-37.75	-13	Vertical
17822.25	-33.69	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.02	-48.81	-13	Vertical
2781.28	-47.39	-13	Vertical
3726.39	-41.00	-13	Vertical
6675.94	-40.07	-13	Vertical
9962.00	-37.59	-13	Vertical
17821.29	-34.34	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.90	-48.48	-13	Vertical
2779.76	-47.79	-13	Vertical
3725.52	-40.62	-13	Vertical
6675.97	-39.89	-13	Vertical
9959.65	-37.00	-13	Vertical
17822.23	-34.20	-13	Vertical

HSDPA/HSUPA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.20	-48.83	-13	Vertical
2781.60	-47.10	-13	Vertical
3728.00	-40.54	-13	Vertical
6676.84	-39.54	-13	Vertical
9962.89	-36.96	-13	Vertical
17818.54	-34.23	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.96	-48.49	-13	Vertical
2781.65	-47.49	-13	Vertical
3728.36	-41.28	-13	Vertical
6678.04	-39.72	-13	Vertical
9961.70	-36.83	-13	Vertical
17820.04	-33.48	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.51	-48.84	-13	Vertical
2778.97	-47.12	-13	Vertical
3725.17	-40.89	-13	Vertical
6677.02	-39.70	-13	Vertical
9962.39	-37.29	-13	Vertical
17820.18	-34.30	-13	Vertical

WCDMA band V
Test result:
WCDMA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.74	-52.54	-13	Vertical
1667.95	-50.82	-13	Vertical
2534.01	-44.79	-13	Vertical
2575.88	-44.14	-13	Vertical
8962.89	-39.41	-13	Vertical
9972.85	-36.84	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.72	-52.55	-13	Vertical
1666.50	-51.67	-13	Vertical
2533.59	-44.05	-13	Vertical
2575.68	-43.92	-13	Vertical
8962.02	-39.48	-13	Vertical
9971.51	-36.18	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.94	-52.75	-13	Vertical
1667.16	-50.78	-13	Vertical
2534.23	-44.31	-13	Vertical
2575.75	-44.15	-13	Vertical
8961.15	-39.54	-13	Vertical
9972.35	-36.30	-13	Vertical

HSDPA/HSUPA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.97	-52.55	-13	Vertical
1667.37	-50.79	-13	Vertical
2535.29	-44.78	-13	Vertical
2578.81	-43.79	-13	Vertical
8963.58	-39.08	-13	Vertical
9971.73	-36.17	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.26	-53.31	-13	Vertical
1665.65	-51.16	-13	Vertical
2533.94	-44.61	-13	Vertical
2576.09	-44.15	-13	Vertical
8963.06	-39.30	-13	Vertical
9970.87	-36.31	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.41	-52.52	-13	Vertical
1667.13	-50.98	-13	Vertical
2535.35	-44.00	-13	Vertical
2578.88	-43.89	-13	Vertical
8962.89	-40.02	-13	Vertical
9971.66	-36.63	-13	Vertical

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