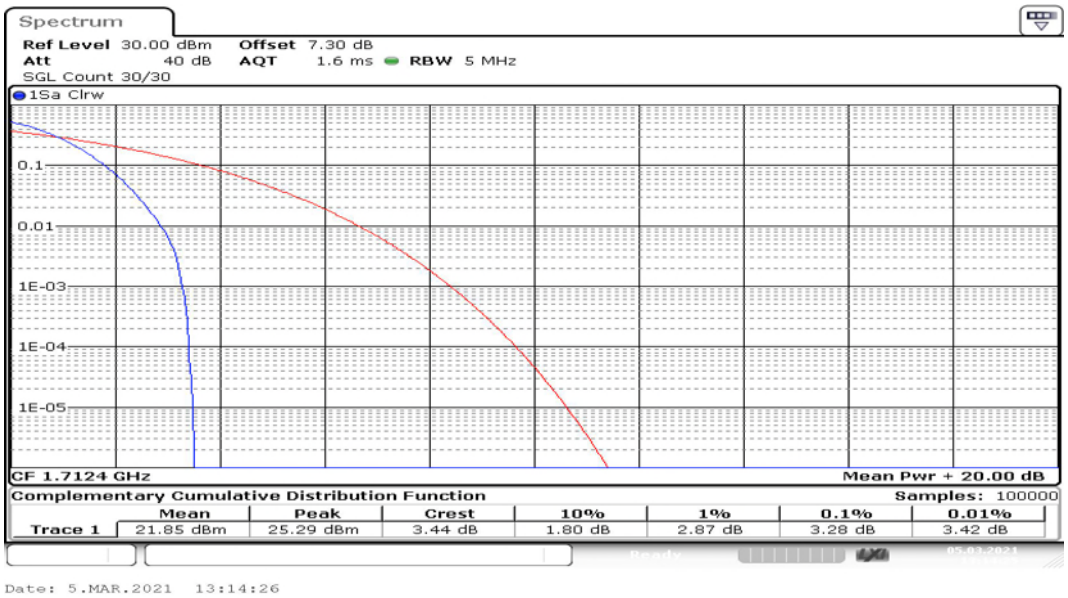
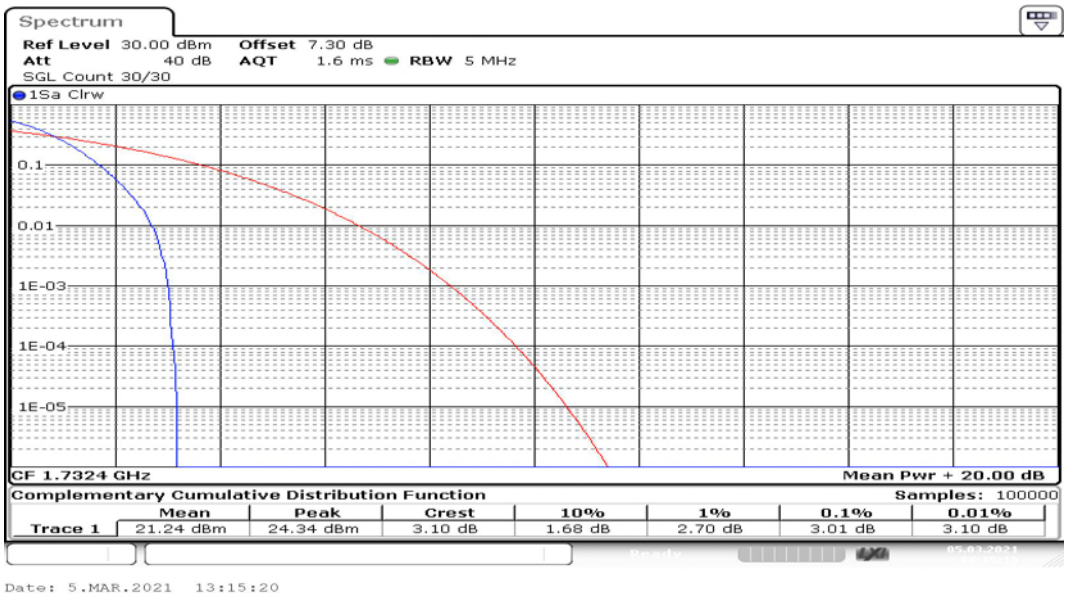
7. Peak-Average Ratio

WCDMA band IV

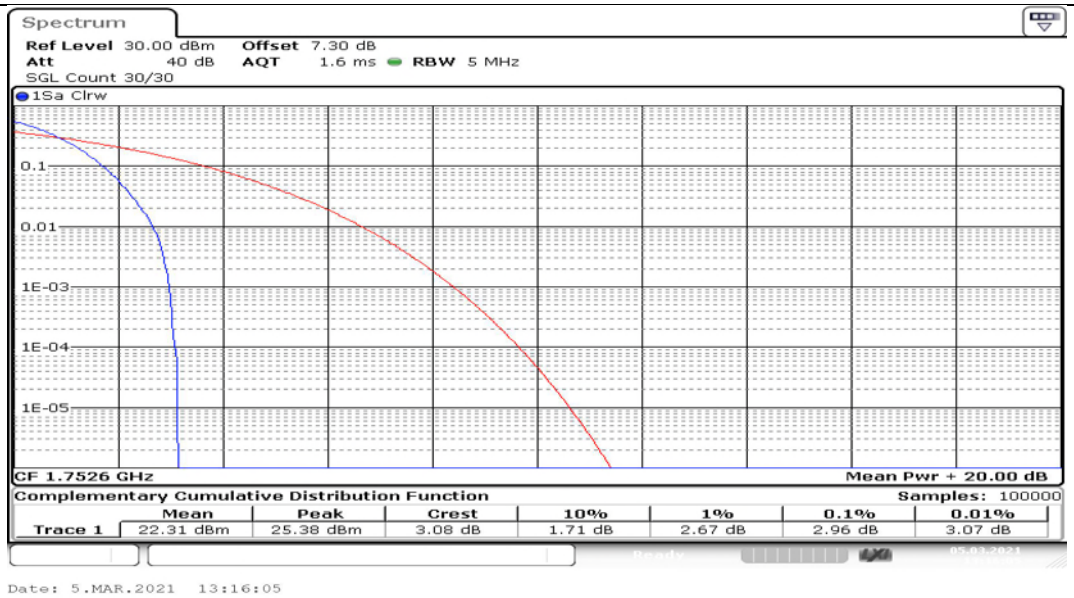
REL99 Mode:



Channel 1312

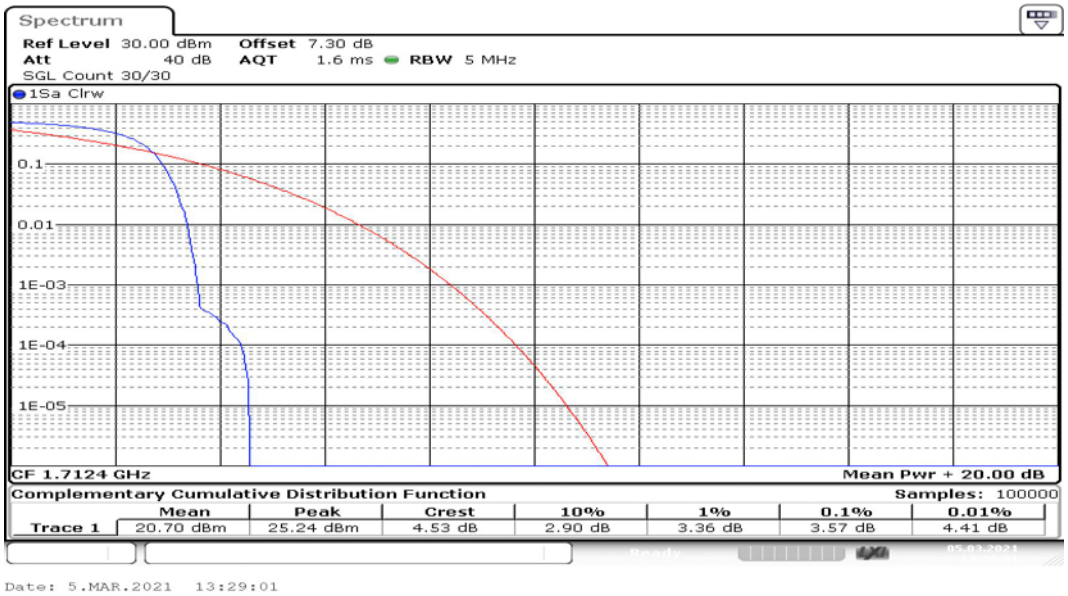


Channel 1412

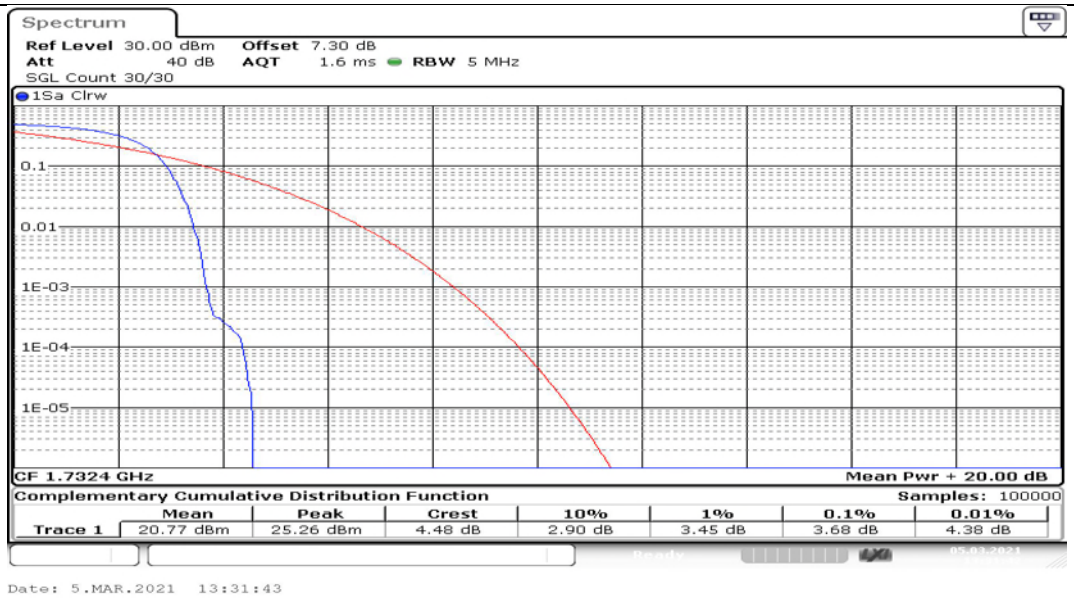


Channel 1513

HSDPA Mode:

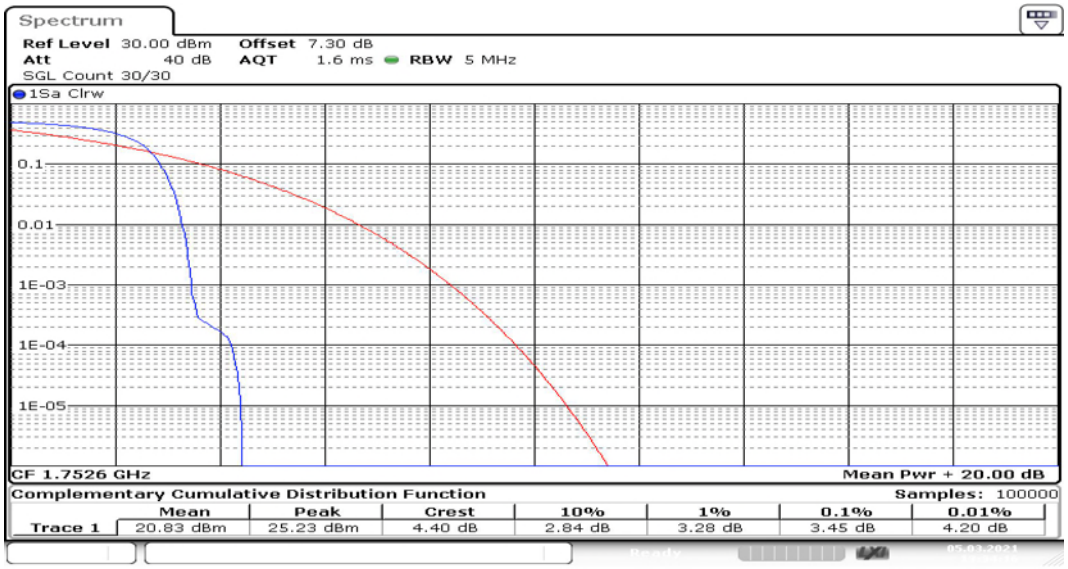


Channel 1312



Date: 5.MAR.2021 13:31:43

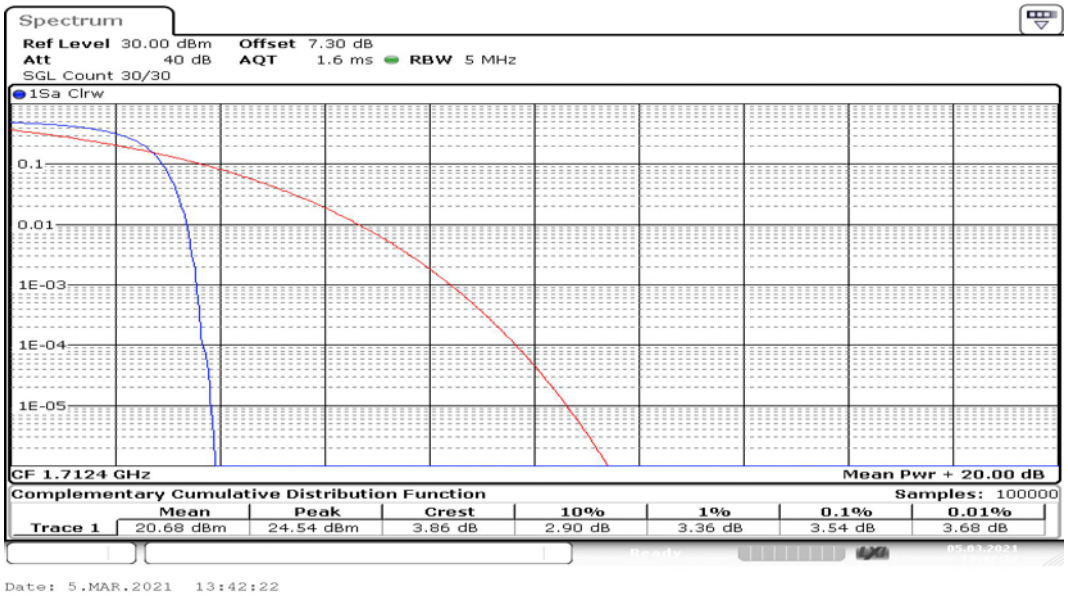
Channel 1412



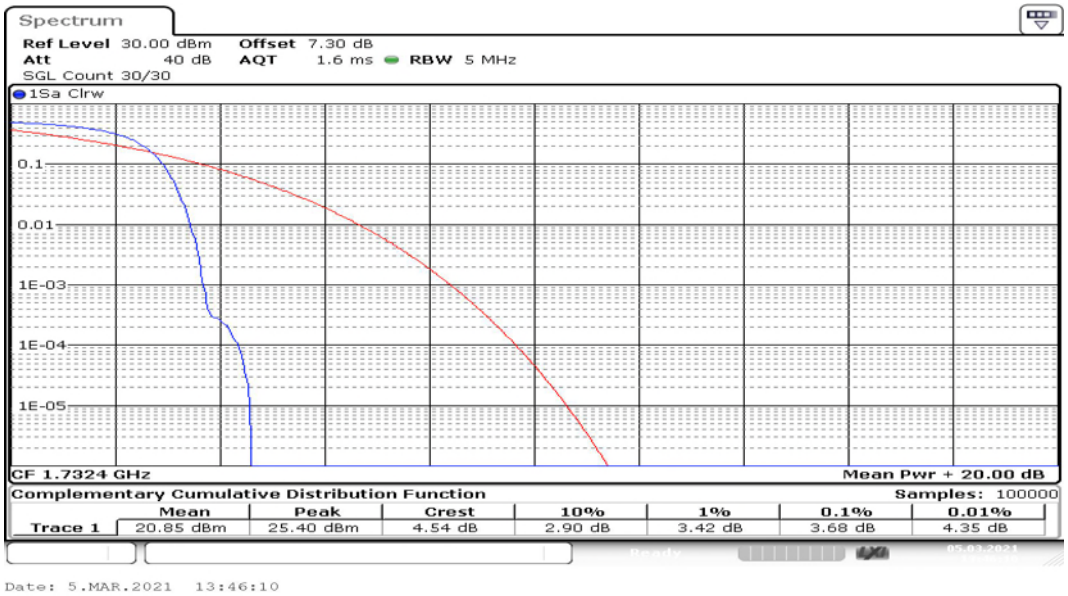
Date: 5.MAR.2021 13:34:16

Channel 1513

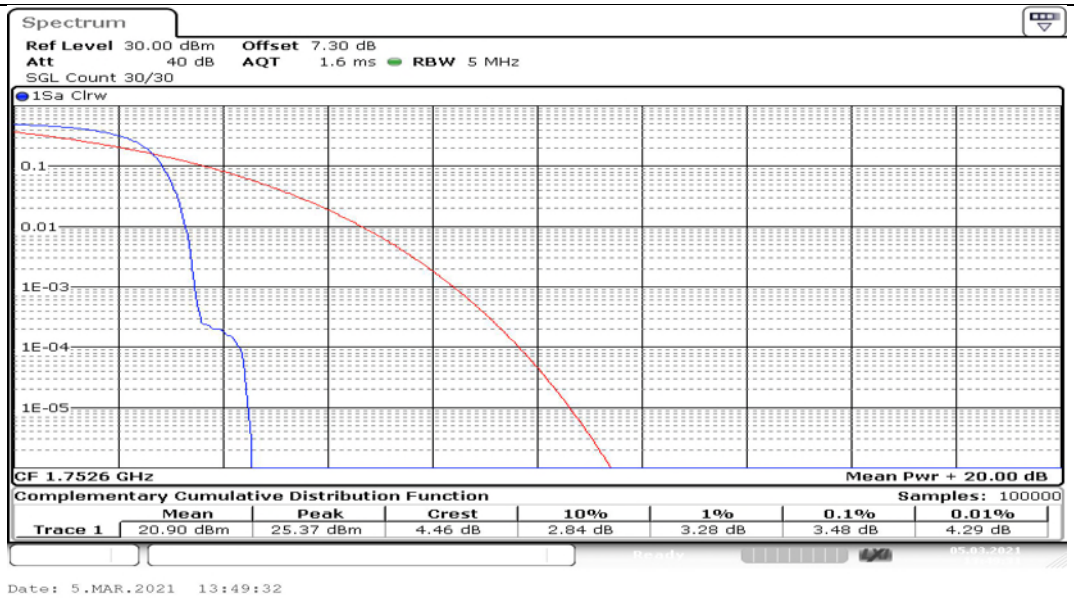
HSUPA Mode:



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,12.2 kbps	1712.4	1312	23.12	18.82	0.076
		1732.6	1413	22.87	18.57	0.072
		1752.6	1513	23.06	18.76	0.075
HSDPA	Subtest1	1712.4	1312	22.12	17.82	0.061
		1732.6	1413	21.93	17.63	0.058
		1752.6	1513	22.11	17.81	0.060
	Subtest2	1712.4	1312	22.10	17.80	0.060
		1732.6	1413	21.94	17.64	0.058
		1752.6	1513	22.11	17.81	0.060
	Subtest3	1712.4	1312	21.59	17.29	0.054
		1732.6	1413	23.12	18.82	0.076
		1752.6	1513	23.26	18.96	0.079
	Subtest4	1712.4	1312	23.23	18.93	0.078
		1732.6	1413	22.14	17.84	0.061
		1752.6	1513	22.26	17.96	0.063
HSUPA	Subtest1	1712.4	1312	22.29	17.99	0.063
		1732.6	1413	22.14	17.84	0.061
		1752.6	1513	22.26	17.96	0.063
	Subtest2	1712.4	1312	22.27	17.97	0.063
		1732.6	1413	21.61	17.31	0.054
		1752.6	1513	21.76	17.46	0.056
	Subtest3	1712.4	1312	21.75	17.45	0.056
		1732.6	1413	21.59	17.29	0.054
		1752.6	1513	21.79	17.49	0.056
	Subtest4	1712.4	1312	21.79	17.49	0.056
		1732.6	1413	22.12	17.82	0.061
		1752.6	1513	22.27	17.97	0.063
	Subtest5	1712.4	1312	22.29	17.99	0.063
		1732.6	1413	19.63	15.33	0.034
		1752.6	1513	19.73	15.43	0.035

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	24.57
		836.6	4183	24.59
		846.6	4233	24.55
HSDPA	Subtest1	826.4	4132	23.57
		836.6	4183	23.59
		846.6	4233	23.59
	Subtest2	826.4	4132	23.55
		836.6	4183	23.61
		846.6	4233	23.59
	Subtest3	826.4	4132	23.08
		836.6	4183	23.11
		846.6	4233	23.09
	Subtest4	826.4	4132	23.06
		836.6	4183	23.08
		846.6	4233	23.09
HSUPA	Subtest1	826.4	4132	23.55
		836.6	4183	23.59
		846.6	4233	23.59
	Subtest2	826.4	4132	21.43
		836.6	4183	21.25
		846.6	4233	21.04
	Subtest3	826.4	4132	22.45
		836.6	4183	22.24
		846.6	4233	22.04
	Subtest4	826.4	4132	21.42
		836.6	4183	21.24
		846.6	4233	21.05
	Subtest5	826.4	4132	23.06
		836.6	4183	23.05
		846.6	4233	23.05

2 Occupied Bandwidth

WCDMA band V

REL99 Mode:

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
826.4	4132	4.14
836.6	4183	4.18
846.6	4233	4.17

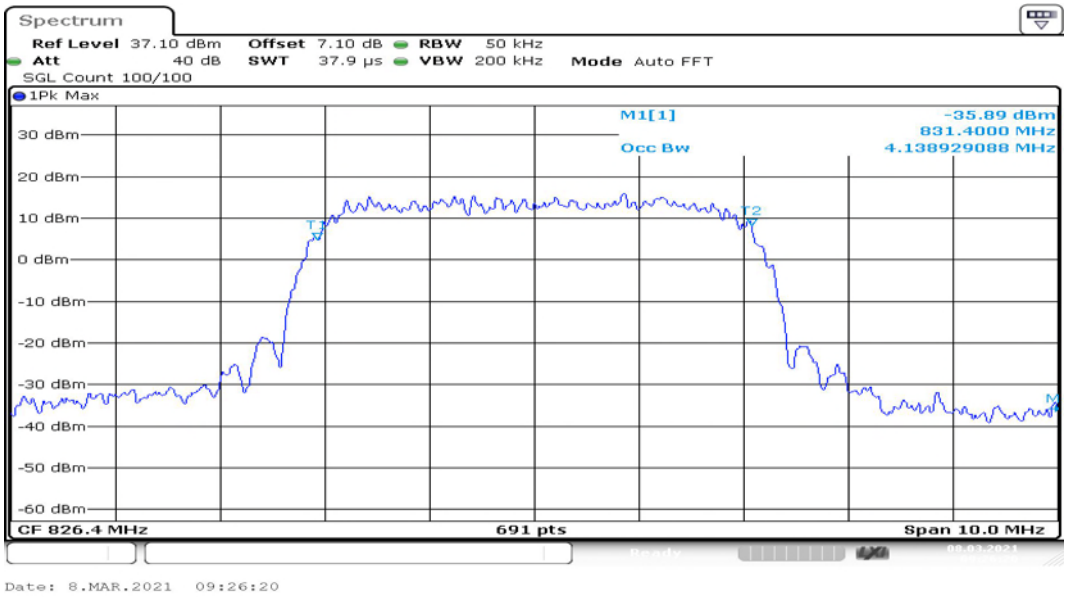
HSDPA Mode:

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
826.4	4132	4.12
836.6	4183	4.12
846.6	4233	4.18

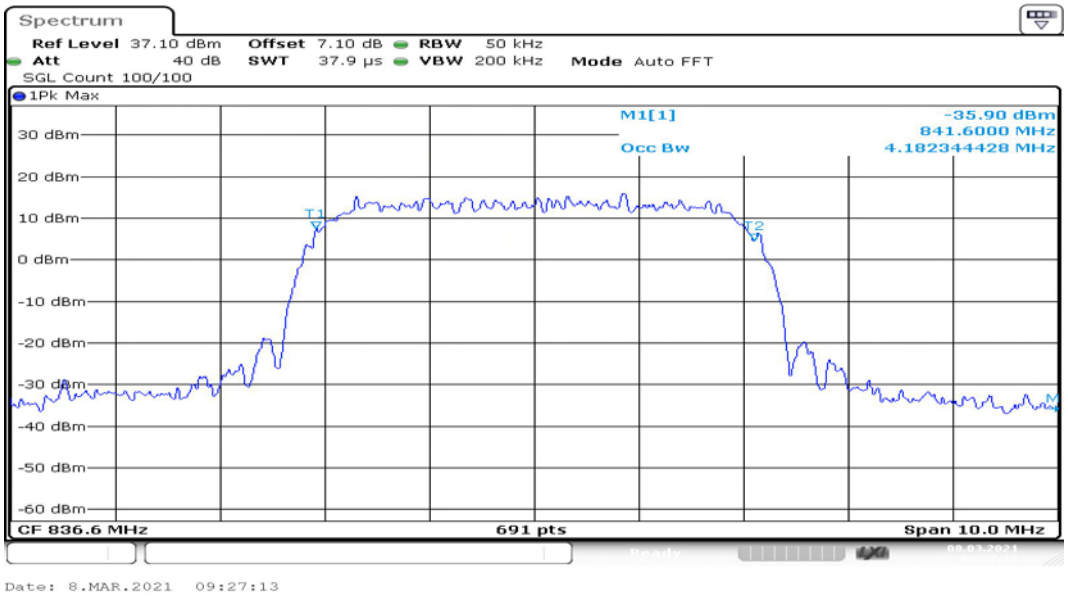
HSUPA Mode:

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

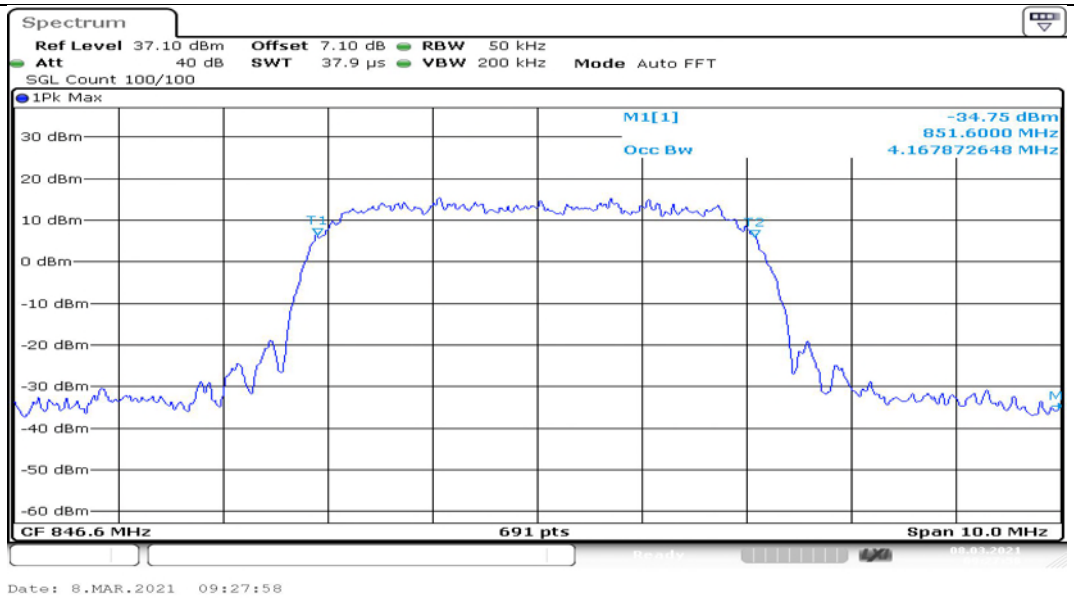
WCDMA band V
REL99 Mode:



Channel 4132

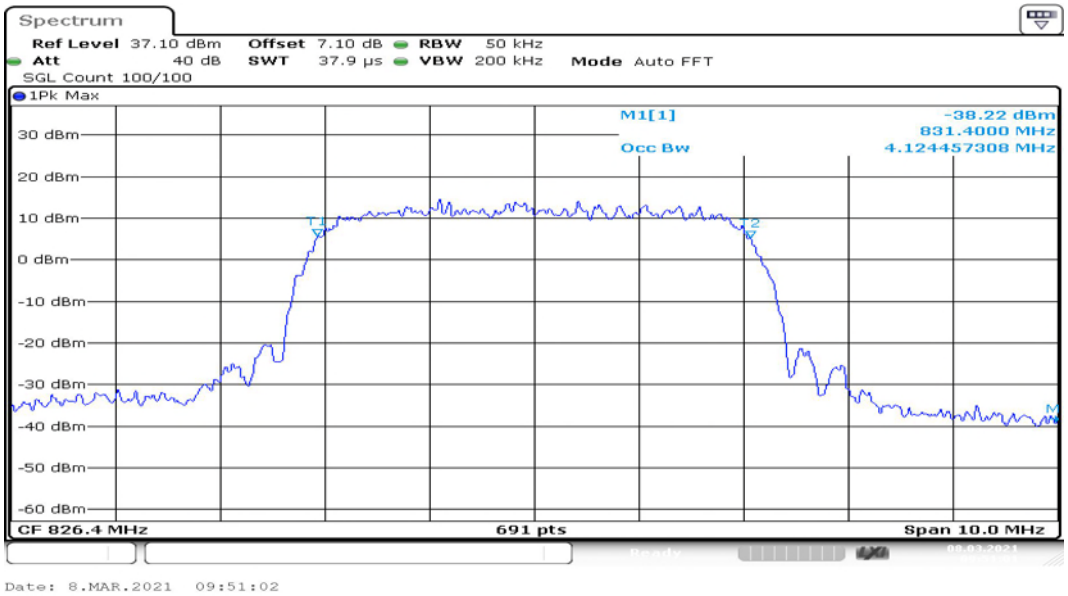


Channel 4183

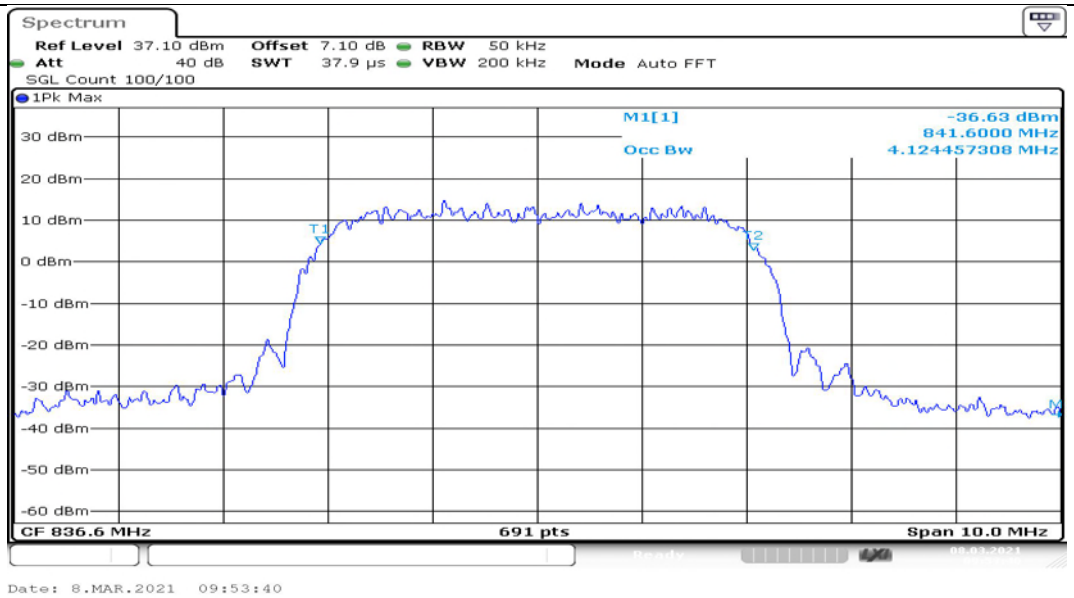


Channel 4233

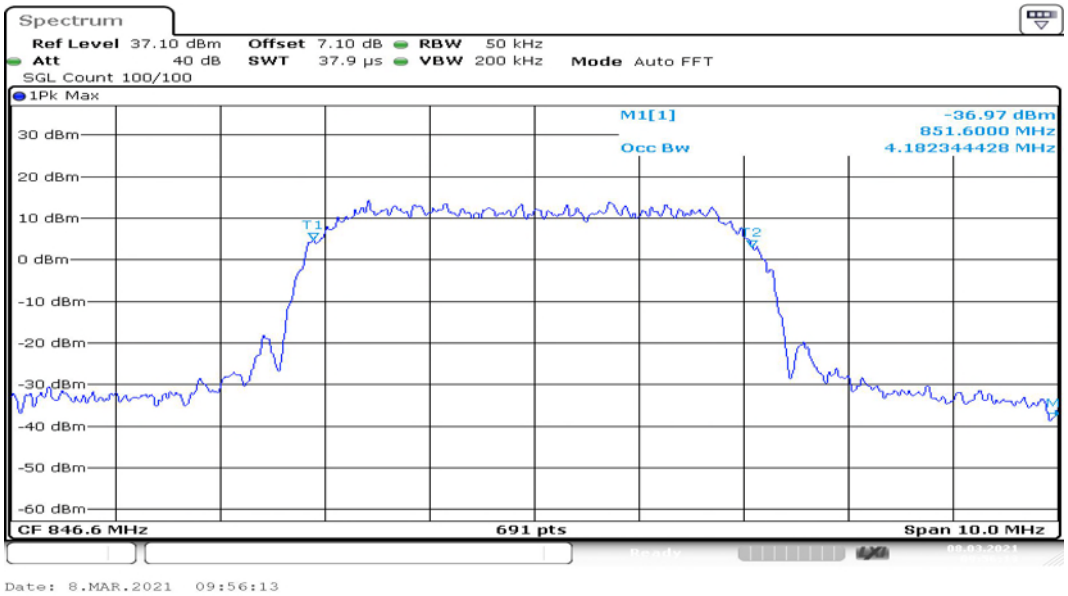
HSDPA Mode:



Channel 4132

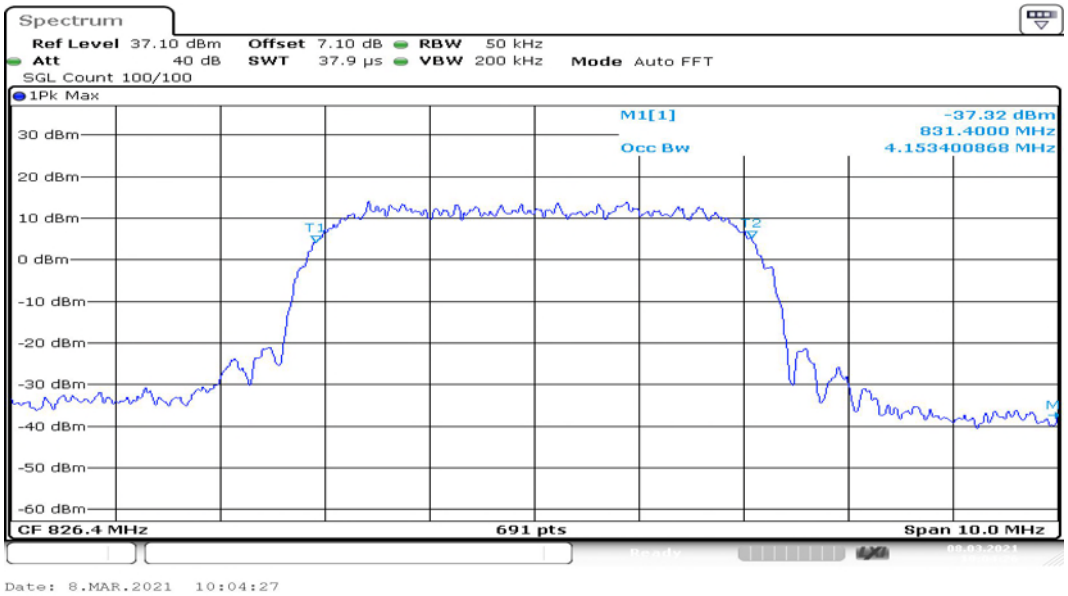


Channel 4183

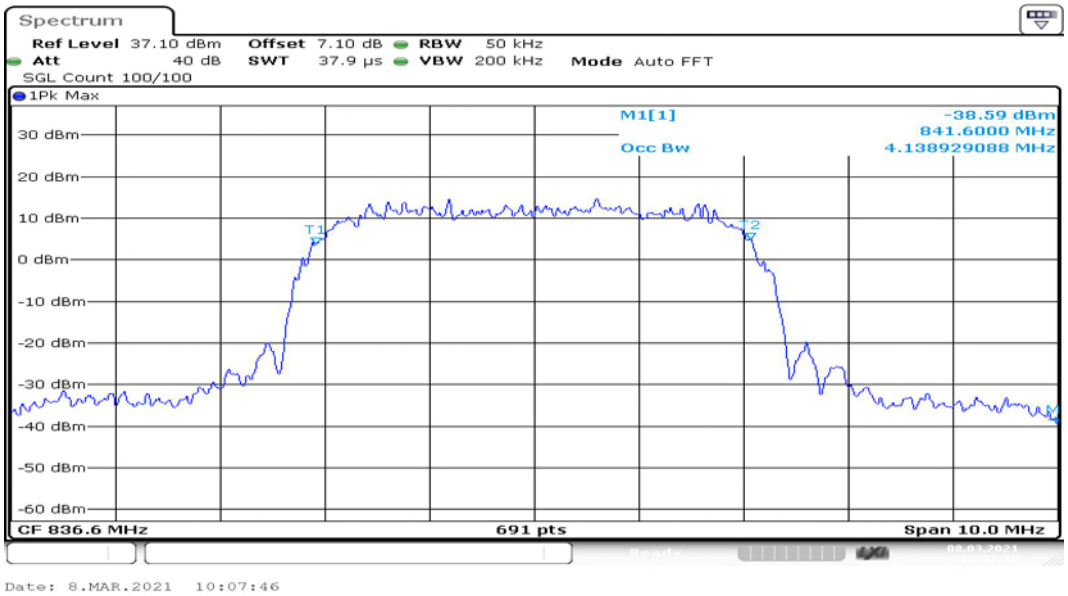


Channel 4233

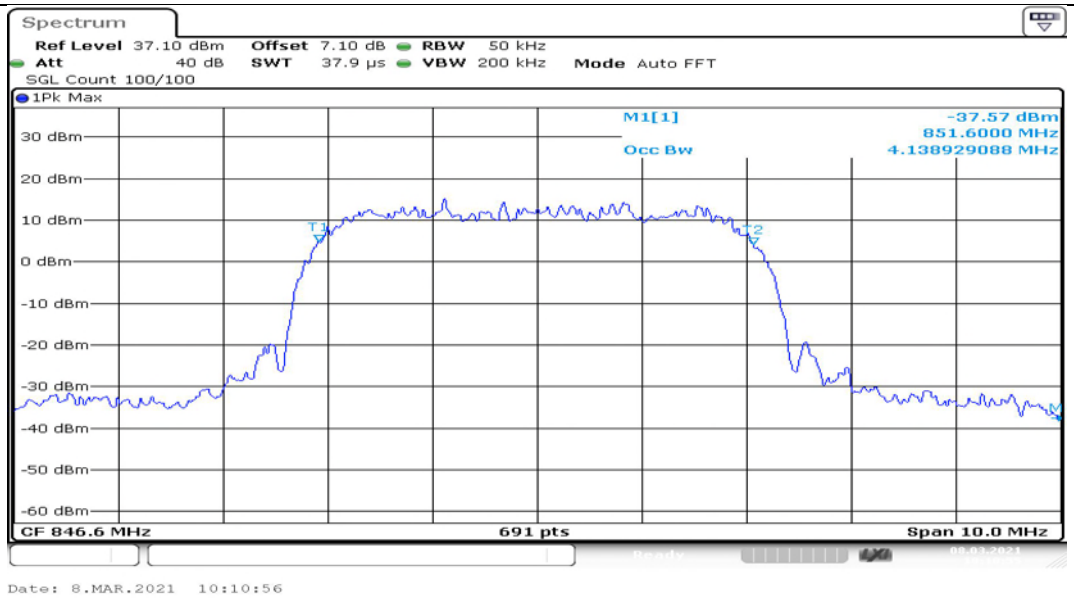
HSUPA Mode:



Channel 4132



Channel 4183



Channel 4233

3 Emission Bandwidth

WCDMA band V

REL99 Mode:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
826.4	4132	4.66
836.6	4183	4.69
846.6	4233	4.66

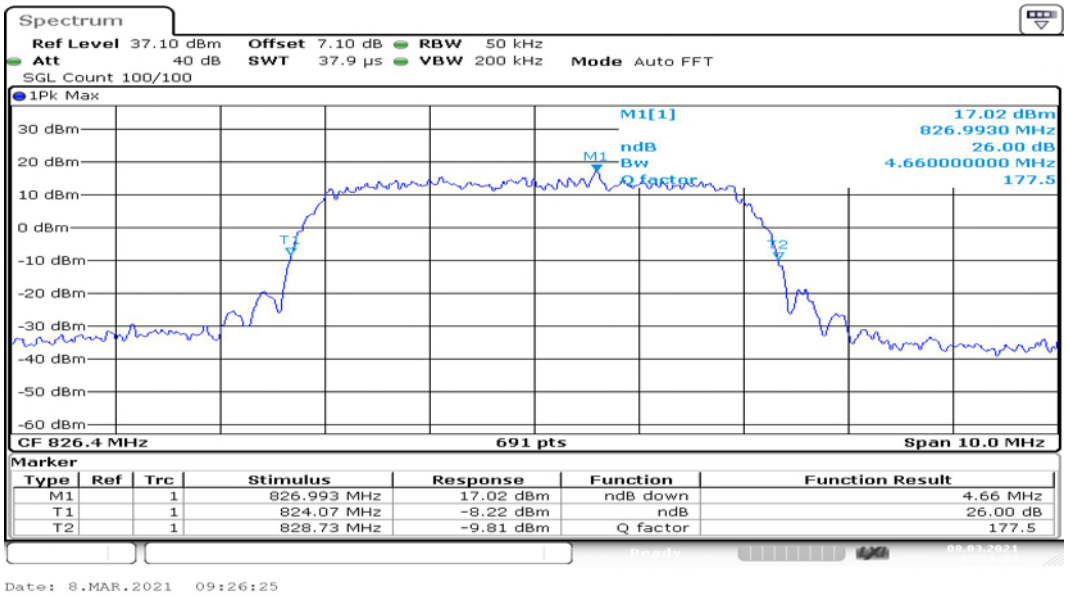
HSDPA Mode:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
826.4	4132	4.65
836.6	4183	4.70
846.6	4233	4.70

HSUPA Mode:

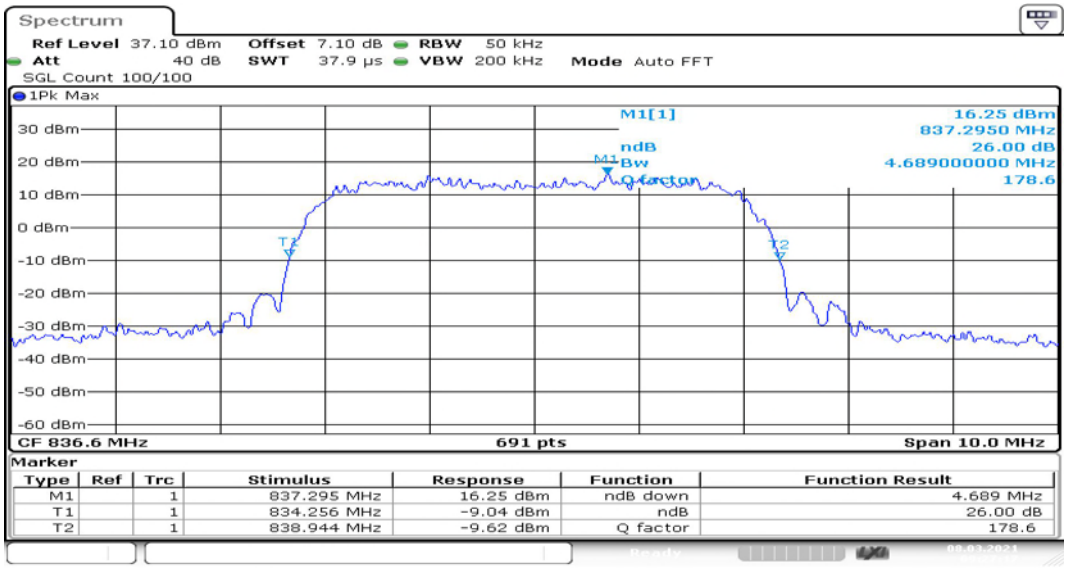
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
826.4	4132	4.63
836.6	4183	4.70
846.6	4233	4.67

WCDMA band V
REL99 Mode:



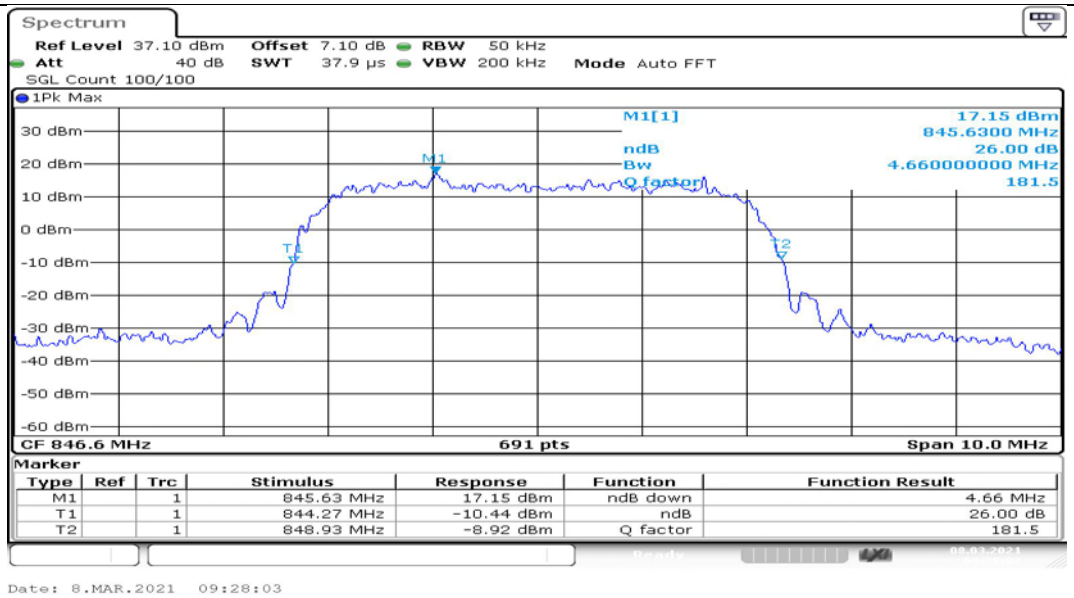
Date: 8.MAR.2021 09:26:25

Channel 4132



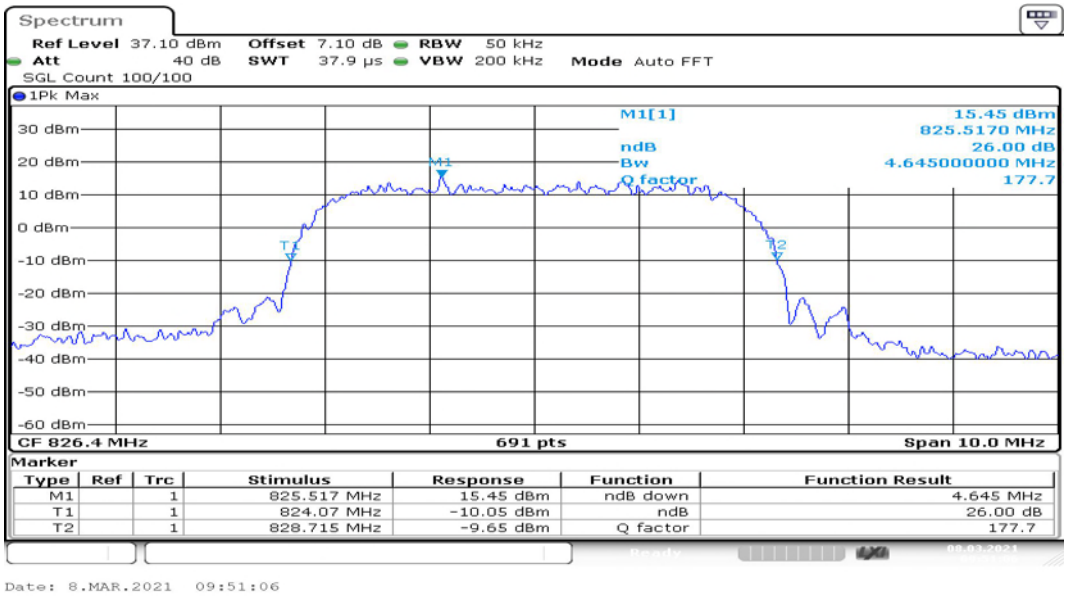
Date: 8.MAR.2021 09:27:17

Channel 4183

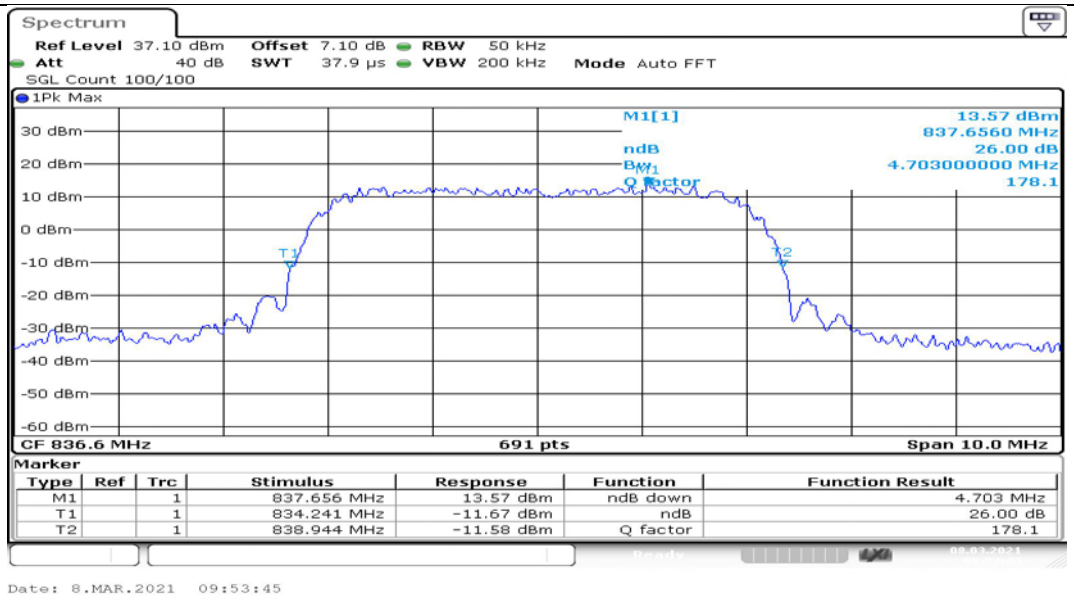


Channel 4233

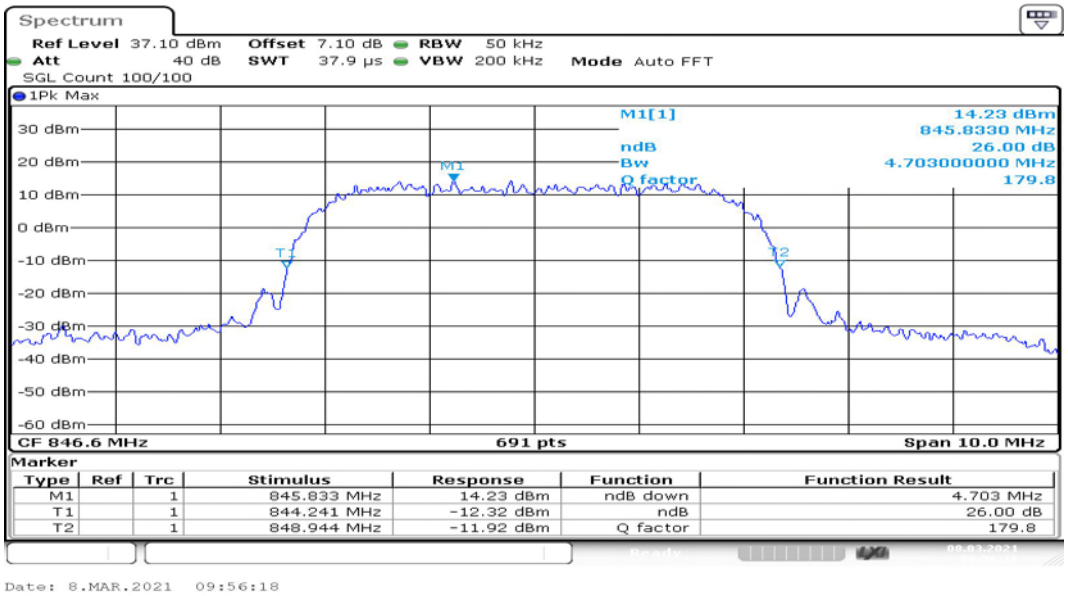
HSDPA Mode:



Channel 4132

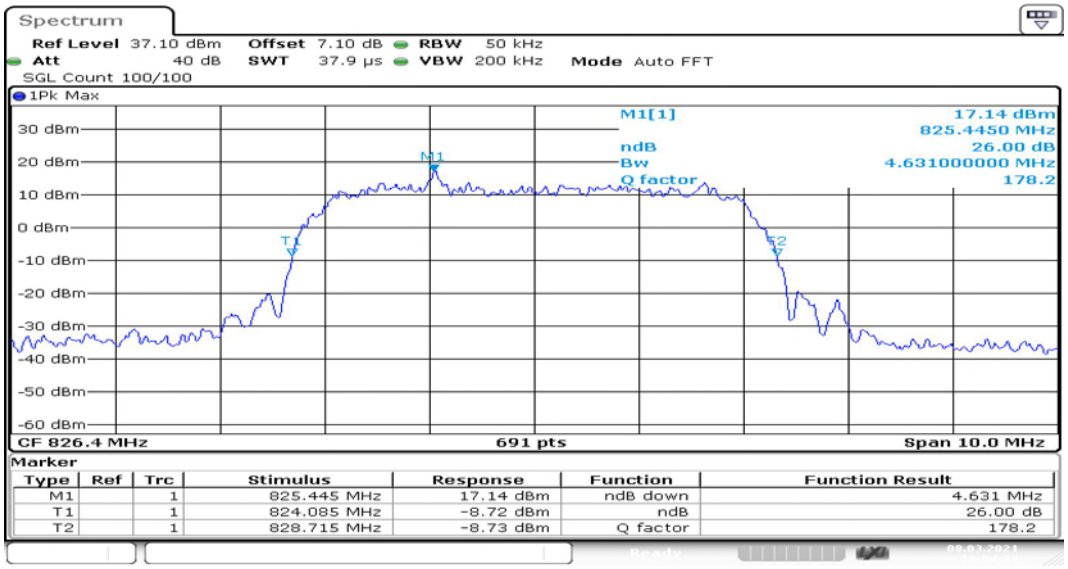


Channel 4183

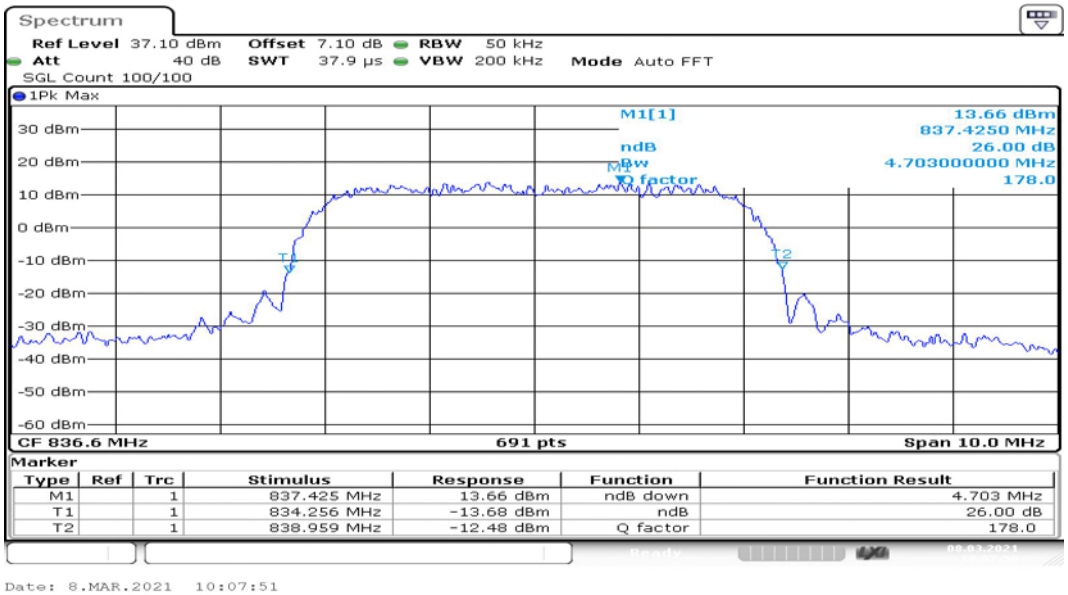


Channel 4233

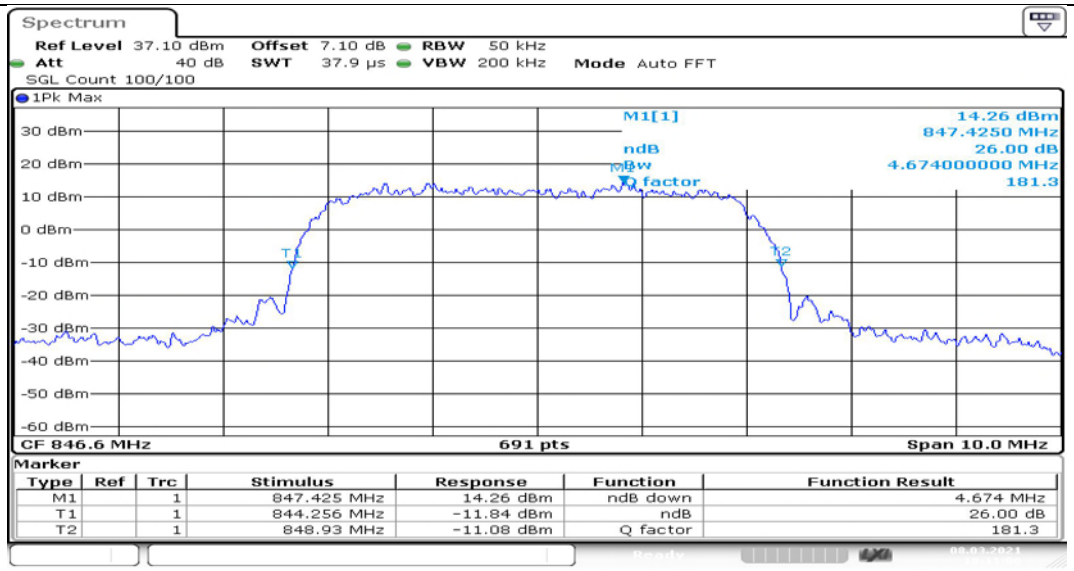
HSUPA Mode:



Channel 4132



Channel 4183



Marker

Type	Ref	Trc	Stimulus	Response	Function	Function Result
M1		1	847.425 MHz	14.26 dBm	ndB down	4.674 MHz
T1		1	844.256 MHz	-11.84 dBm	ndB	26.00 dB
T2		1	848.93 MHz	-11.08 dBm	Q factor	181.3

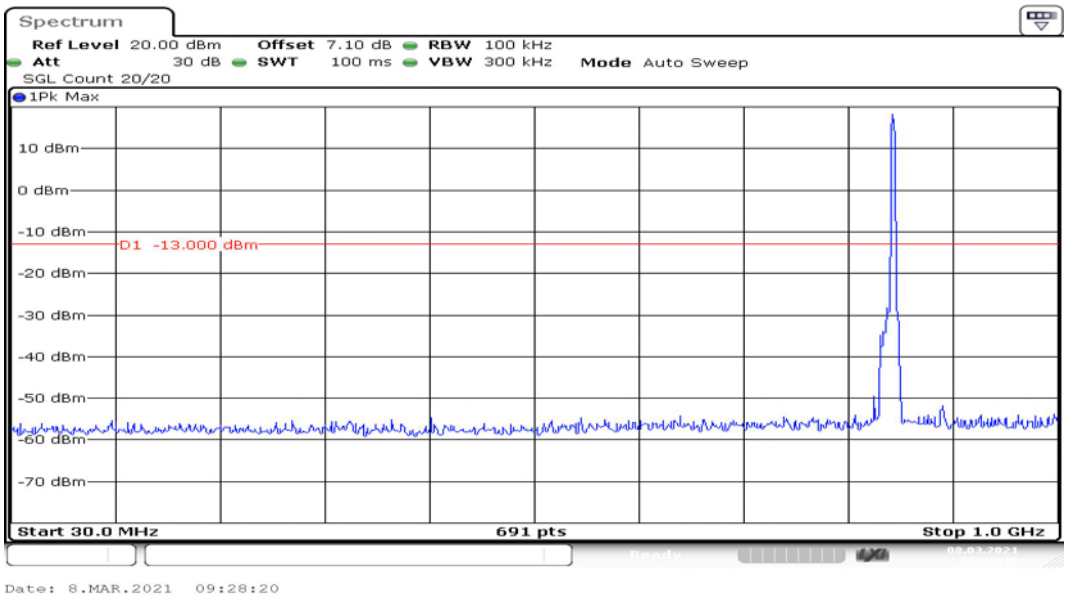
Date: 8.MAR.2021 10:11:00

Channel 4233

4 Spurious Emissions at antenna terminal

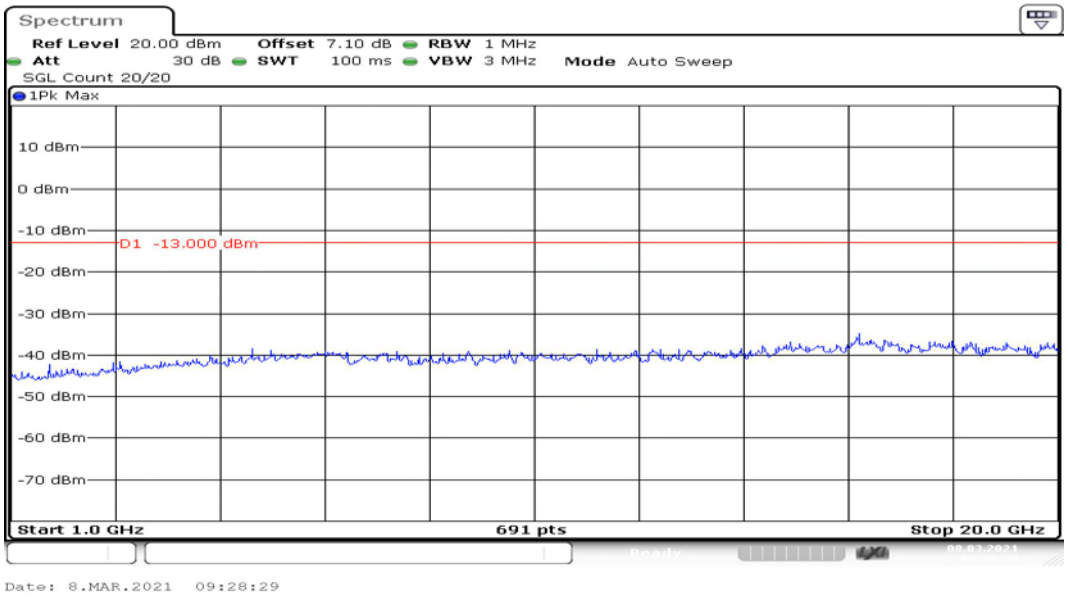
WCDMA band V

REL99 Mode:



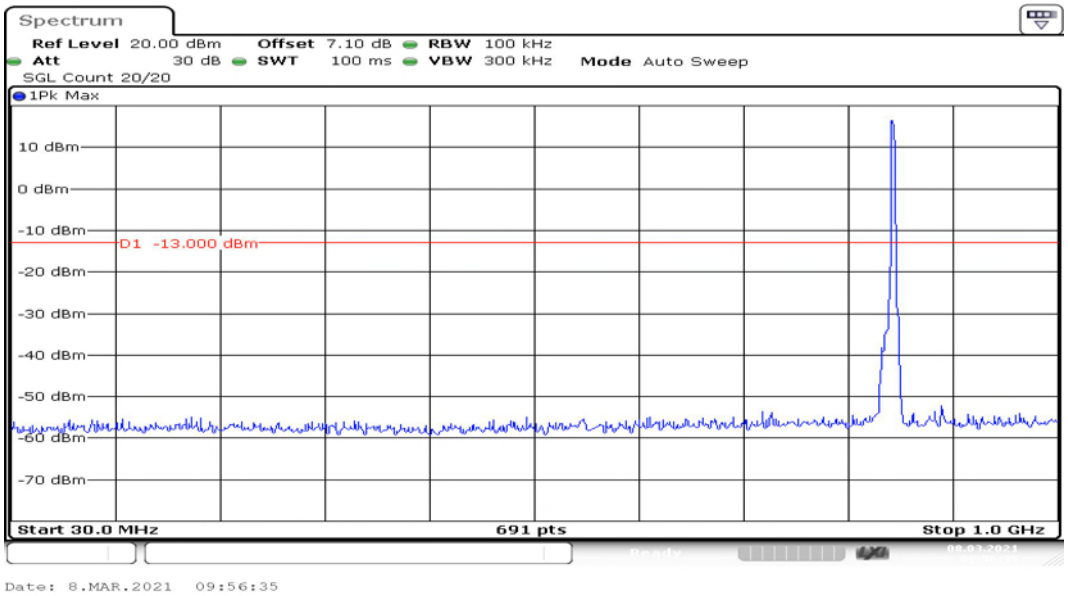
Channel 4183 30MHz~1GHz(dBm)

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



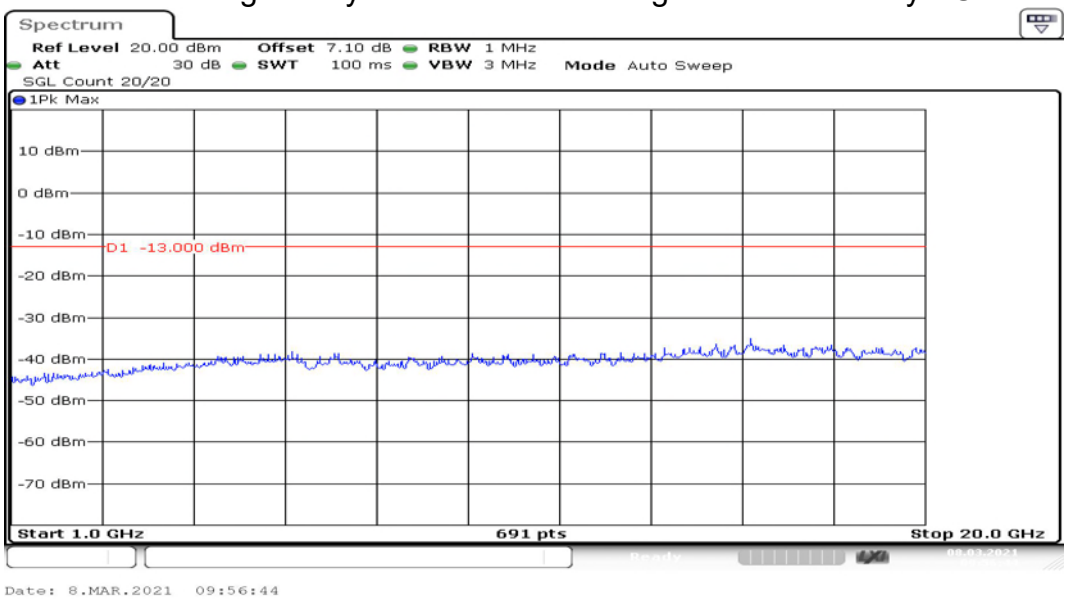
Channel 4183 1GHz~20GHz(dBm)

HSDPA Mode:



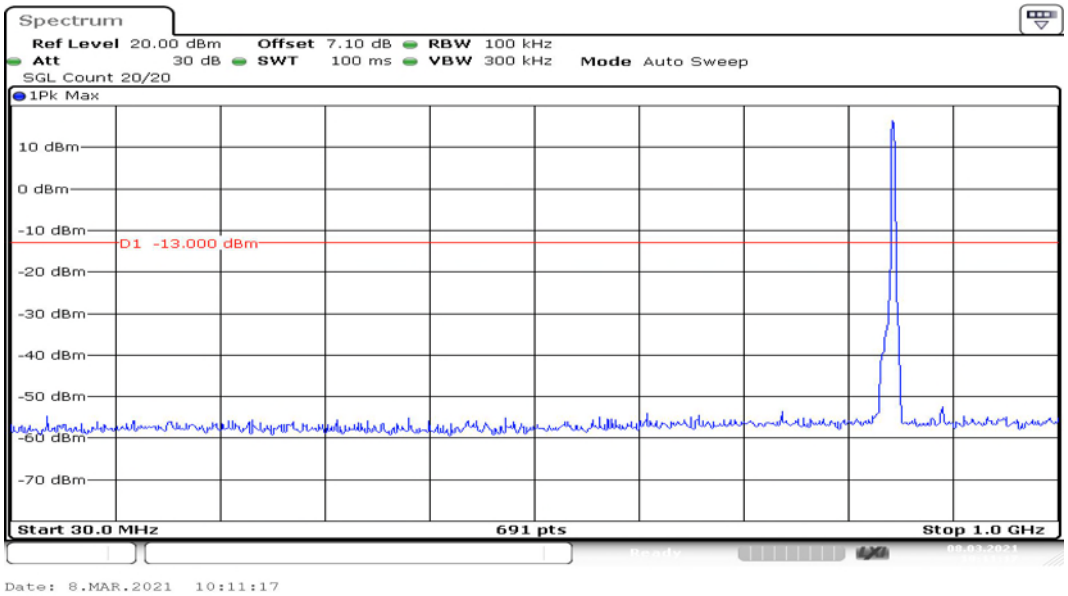
Channel 4183 30MHz~1GHz(dBm)

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



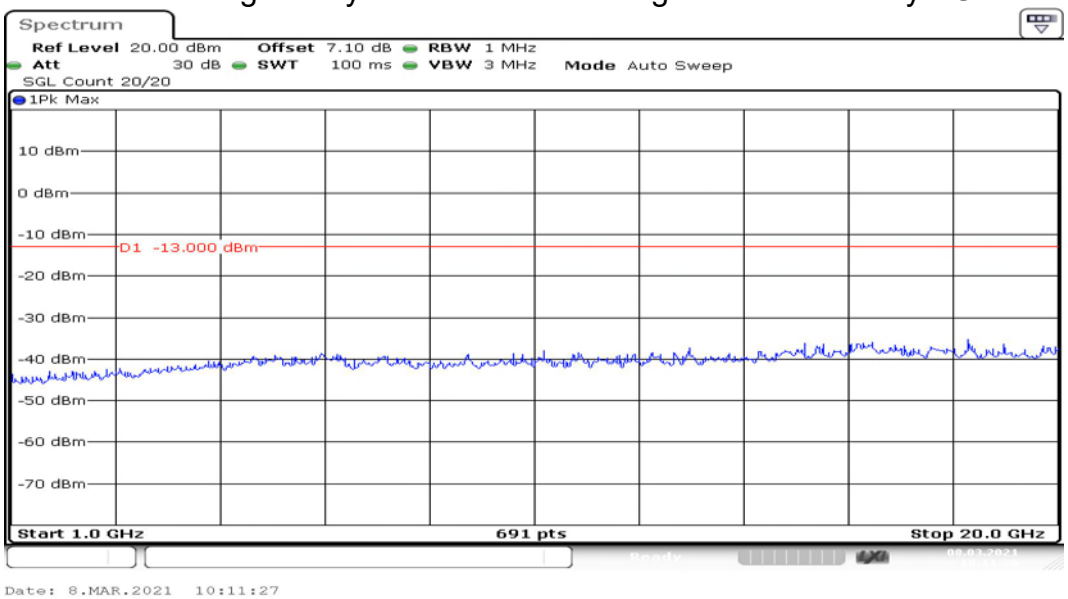
Channel 4183 1GHz~20GHz(dBm)

HSUPA Mode:



Channel 4183 30MHz~1GHz(dBm)

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

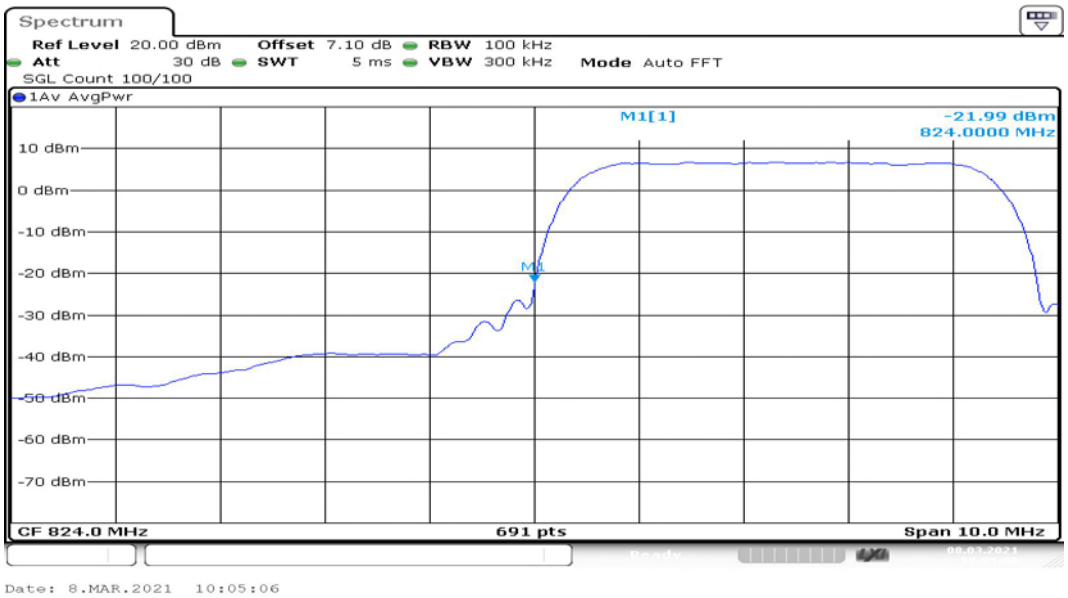


Channel 4183 1GHz~20GHz(dBm)

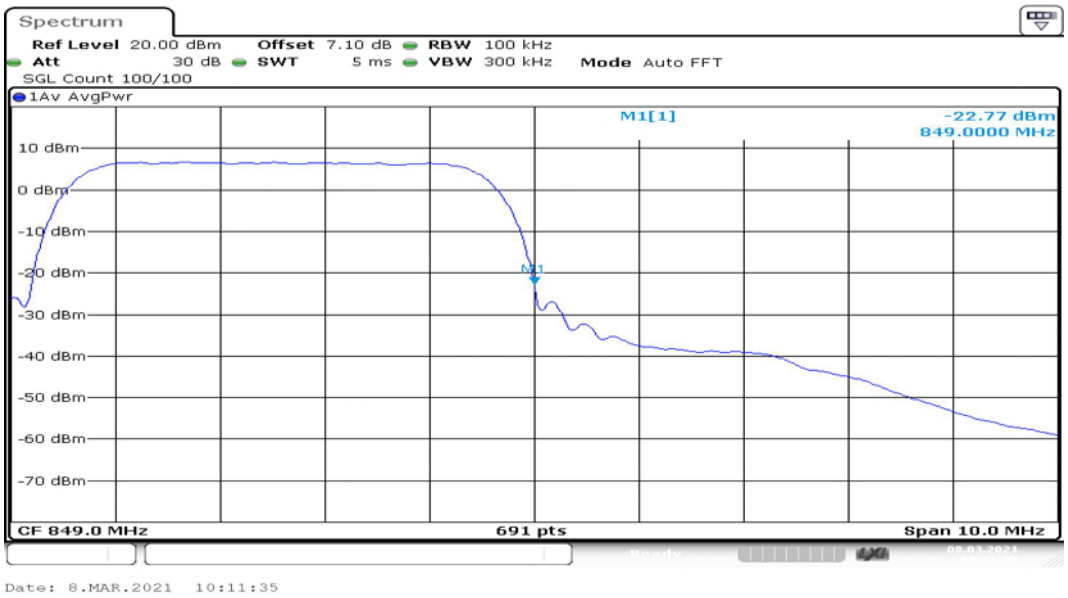
5 Band Edges Compliance

WCDMA band V

REL99 Mode:

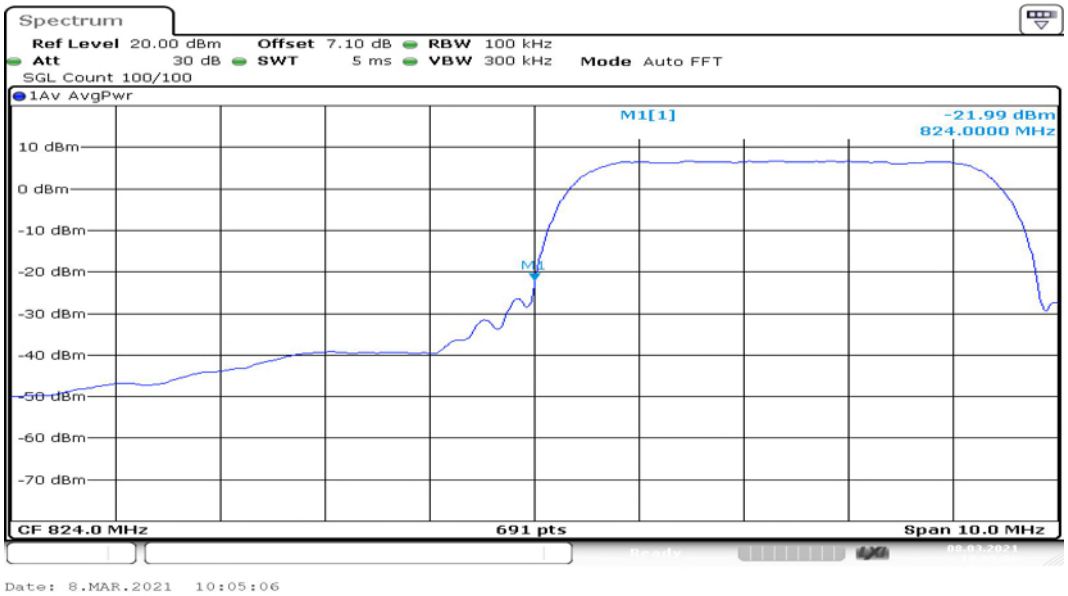


Channel 4132

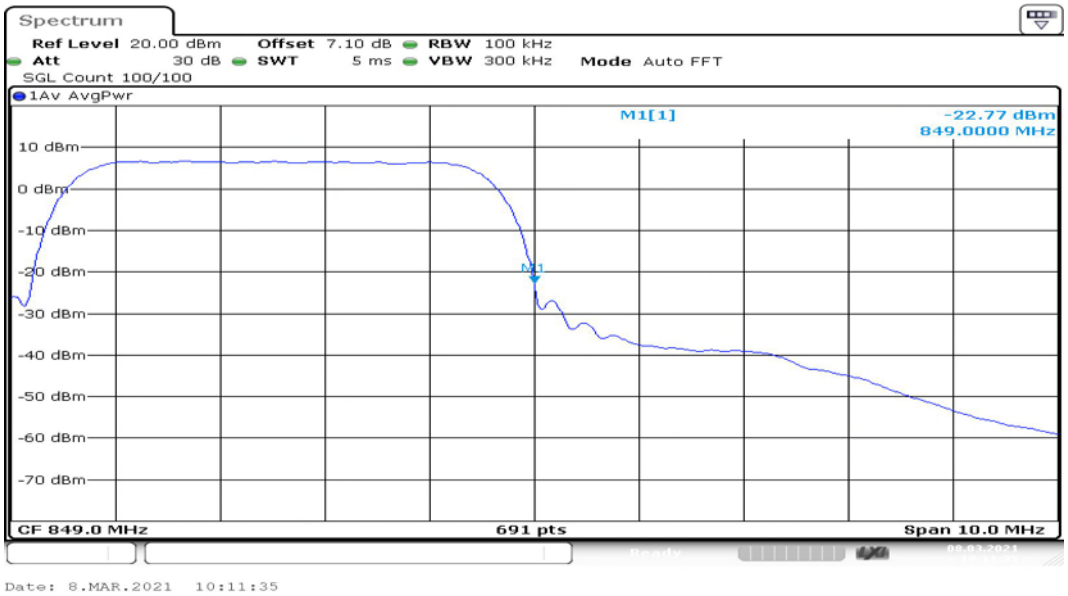


Channel 4233

HSDPA Mode:

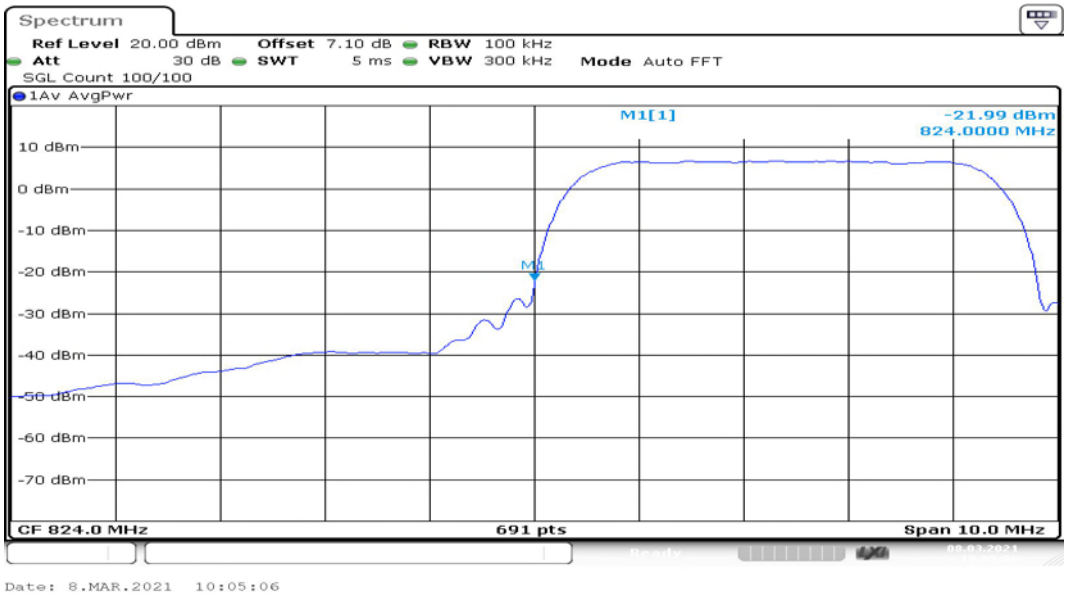


Channel 4132

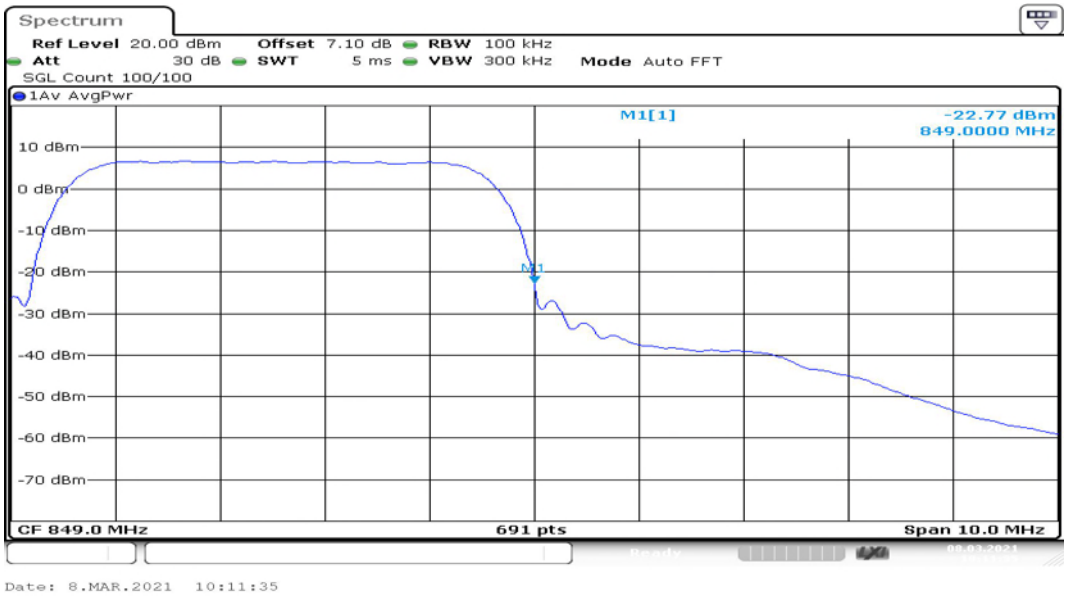


Channel 4233

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
-30	0.001	0.002	-0.004
-20	0.003	0.003	-0.008
-10	-0.006	0.003	0.004
0	-0.007	-0.013	0.009
+10	-0.010	0.003	-0.001
+20	0.000	0.000	0.000
+30	-0.012	0.009	0.008
+40	-0.008	-0.011	-0.012
+50	-0.008	0.002	0.008
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	-0.009	-0.014	0.006
HV	-0.002	0.005	-0.004

HSDPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-30	-0.009	-0.004	-0.010
-20	-0.010	-0.008	-0.013
-10	-0.014	-0.013	0.006
0	0.004	0.003	0.009
+10	0.005	-0.006	-0.010
+20	0.000	0.000	0.000
+30	-0.011	-0.001	-0.013
+40	0.003	-0.014	0.003
+50	0.004	0.003	-0.008
Voltage	Test Result (ppm)@NT		
	Channel 4132	Channel 4183	Channel 4233
LV	0.010	-0.002	-0.009
HV	0.000	0.001	-0.010

HSUPA Mode:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 4132	Channel 4183	Channel 4233
-30	0.002	-0.002	-0.010
-20	0.005	-0.010	-0.013
-10	-0.006	-0.014	0.000
0	-0.002	-0.010	-0.001
+10	0.004	0.001	0.007
+20	0.000	0.000	0.000
+30	-0.013	-0.005	0.000
+40	-0.008	0.001	-0.006
+50	-0.002	-0.001	-0.009
Voltage	Test Result (ppm)@NT		