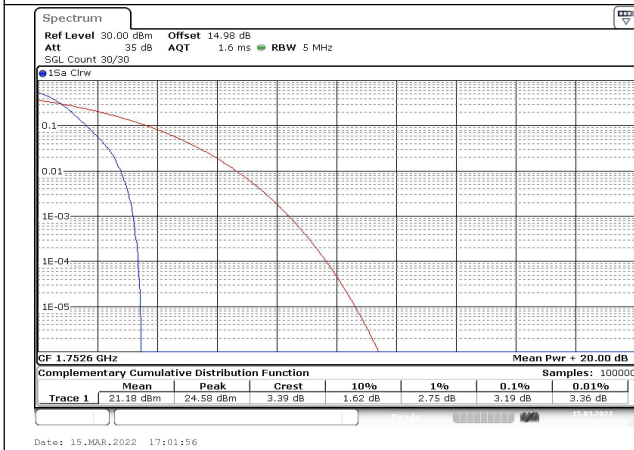
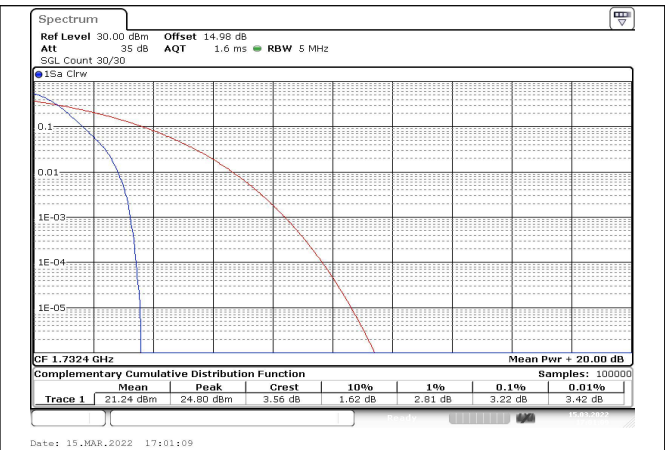
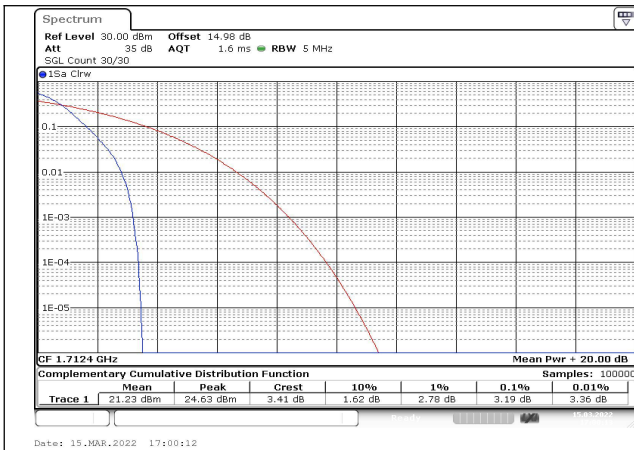
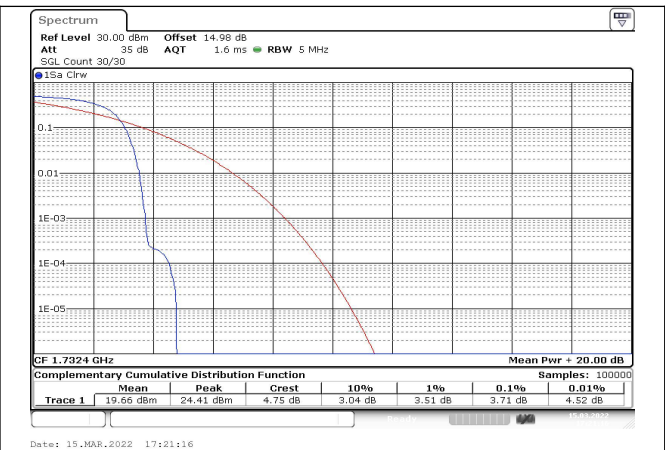
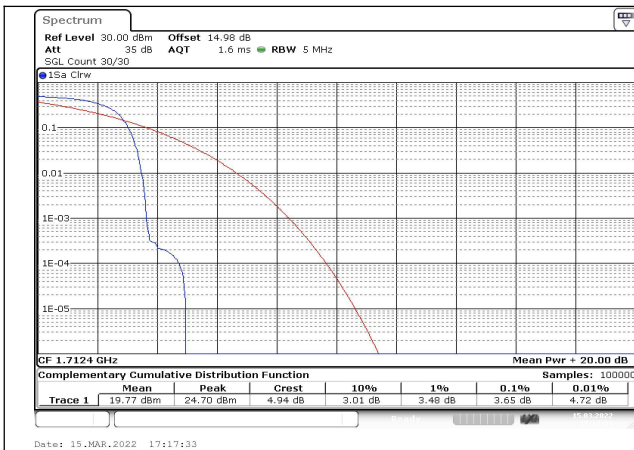
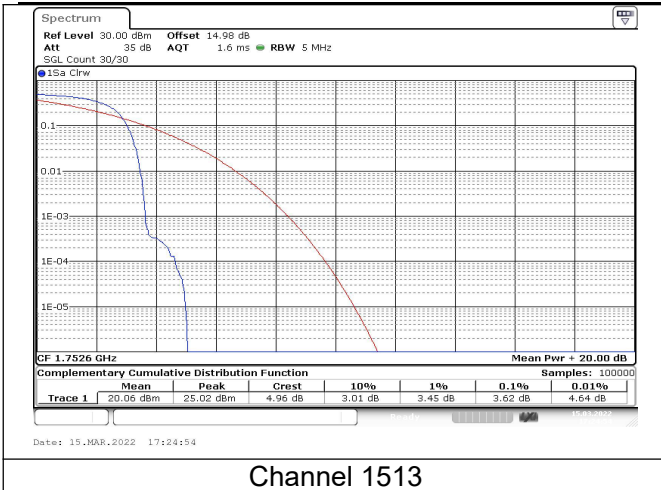


**7. Peak-Average Ratio**  
WCDMA band IV  
Test Mode: Release 99



**Test Mode: HSDPA**



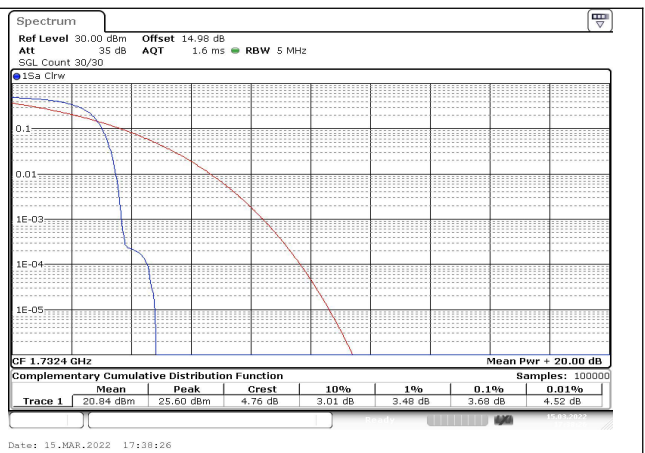


Channel 1513

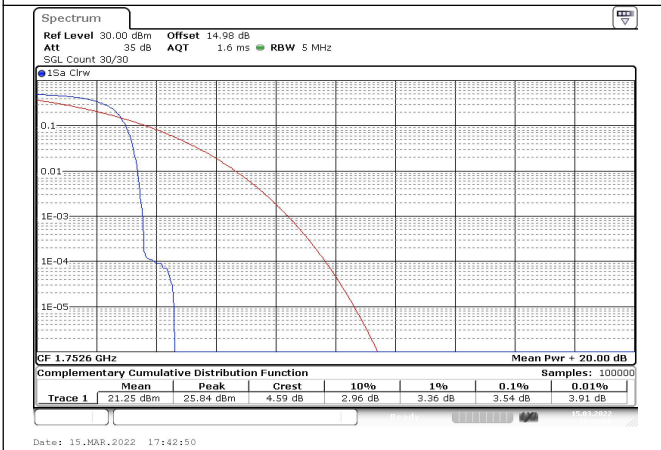
Test Mode: HSUPA



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,12.2kbps	1712.4	1312	23.33	23.42	0.220
Release 99	RMC,12.2kbps	1732.6	1412	23.16	23.25	0.211
Release 99	RMC,12.2kbps	1752.6	1513	23.06	23.15	0.207

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	21.44	21.53	0.142
HSDPA	Subtest1	1732.6	1412	21.03	21.12	0.129
HSDPA	Subtest1	1752.6	1513	21.51	21.60	0.145
HSDPA	Subtest2	1712.4	1312	22.24	22.33	0.171
HSDPA	Subtest2	1732.6	1412	21.53	21.62	0.145
HSDPA	Subtest2	1752.6	1513	21.92	22.01	0.159
HSDPA	Subtest3	1712.4	1312	21.81	21.90	0.155
HSDPA	Subtest3	1732.6	1412	21.55	21.64	0.146
HSDPA	Subtest3	1752.6	1513	21.92	22.01	0.159
HSDPA	Subtest4	1712.4	1312	21.82	21.91	0.155
HSDPA	Subtest4	1732.6	1412	21.55	21.64	0.146
HSDPA	Subtest4	1752.6	1513	21.93	22.02	0.159

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	22.81	22.90	0.195
HSUPA	Subtest1	1732.6	1412	22.74	22.83	0.192
HSUPA	Subtest1	1752.6	1513	23.08	23.17	0.207
HSUPA	Subtest2	1712.4	1312	22.97	23.06	0.202
HSUPA	Subtest2	1732.6	1412	22.69	22.78	0.190
HSUPA	Subtest2	1752.6	1513	23.05	23.14	0.206
HSUPA	Subtest3	1712.4	1312	22.95	23.04	0.201
HSUPA	Subtest3	1732.6	1412	22.7	22.79	0.190
HSUPA	Subtest3	1752.6	1513	23.09	23.18	0.208
HSUPA	Subtest4	1712.4	1312	22.94	23.03	0.201

HSUPA	Subtest4	1732.6	1412	22.7	22.79	0.190
HSUPA	Subtest4	1752.6	1513	23.06	23.15	0.207
HSUPA	Subtest5	1712.4	1312	22.89	22.98	0.199
HSUPA	Subtest5	1732.6	1412	22.67	22.76	0.189
HSUPA	Subtest5	1752.6	1513	23.03	23.12	0.205

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	22.89	22.98	0.199
HSPA+	QPSK	1732.6	1412	22.7	22.79	0.190
HSPA+	QPSK	1752.6	1513	23.03	23.12	0.205
HSPA+	16QAM	1712.4	1312	22.9	22.99	0.199
HSPA+	16QAM	1732.6	1412	22.66	22.75	0.188
HSPA+	16QAM	1752.6	1513	23.04	23.13	0.206

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1712.4	1312	22.93	23.02	0.200
DC-HSDPA	Subtest1	1732.6	1412	22.7	22.79	0.190
DC-HSDPA	Subtest1	1752.6	1513	23.06	23.15	0.207
DC-HSDPA	Subtest2	1712.4	1312	22.53	22.62	0.183
DC-HSDPA	Subtest2	1732.6	1412	22.7	22.79	0.190
DC-HSDPA	Subtest2	1752.6	1513	23.06	23.15	0.207
DC-HSDPA	Subtest3	1712.4	1312	22.9	22.99	0.199
DC-HSDPA	Subtest3	1732.6	1412	22.69	22.78	0.190
DC-HSDPA	Subtest3	1752.6	1513	23.07	23.16	0.207
DC-HSDPA	Subtest4	1712.4	1312	22.9	22.99	0.199
DC-HSDPA	Subtest4	1732.6	1412	22.7	22.79	0.190
DC-HSDPA	Subtest4	1752.6	1513	23.08	23.17	0.207

## 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	23.48
Release 99	RMC,12.2kbps	836.6	4183	23.48
Release 99	RMC,12.2kbps	846.6	4233	23.47

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	22.47
HSDPA	Subtest1	836.6	4183	22.29
HSDPA	Subtest1	846.6	4233	22.51
HSDPA	Subtest2	826.4	4132	22.19
HSDPA	Subtest2	836.6	4183	21.98
HSDPA	Subtest2	846.6	4233	22.23
HSDPA	Subtest3	826.4	4132	21.97
HSDPA	Subtest3	836.6	4183	21.77
HSDPA	Subtest3	846.6	4233	21.96
HSDPA	Subtest4	826.4	4132	21.8
HSDPA	Subtest4	836.6	4183	21.64
HSDPA	Subtest4	846.6	4233	21.85

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	23.13
HSUPA	Subtest1	836.6	4183	22.83
HSUPA	Subtest1	846.6	4233	23.03
HSUPA	Subtest2	826.4	4132	23.10
HSUPA	Subtest2	836.6	4183	22.83
HSUPA	Subtest2	846.6	4233	23.04
HSUPA	Subtest3	826.4	4132	23.08
HSUPA	Subtest3	836.6	4183	22.83
HSUPA	Subtest3	846.6	4233	23.04
HSUPA	Subtest4	826.4	4132	23.09
HSUPA	Subtest4	836.6	4183	22.83
HSUPA	Subtest4	846.6	4233	23.04
HSUPA	Subtest5	826.4	4132	23.07
HSUPA	Subtest5	836.6	4183	22.85
HSUPA	Subtest5	846.6	4233	23.03

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	23.15
HSPA+	QPSK	836.6	4183	22.86
HSPA+	QPSK	846.6	4233	23.08
HSPA+	16QAM	826.4	4132	23.15
HSPA+	16QAM	836.6	4183	22.85
HSPA+	16QAM	846.6	4233	23.08

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	826.4	4132	23.14
DC-HSDPA	Subtest1	836.6	4183	22.84
DC-HSDPA	Subtest1	846.6	4233	23.10
DC-HSDPA	Subtest2	826.4	4132	23.09
DC-HSDPA	Subtest2	836.6	4183	22.88
DC-HSDPA	Subtest2	846.6	4233	23.09
DC-HSDPA	Subtest3	826.4	4132	23.13
DC-HSDPA	Subtest3	836.6	4183	22.84
DC-HSDPA	Subtest3	846.6	4233	23.10
DC-HSDPA	Subtest4	826.4	4132	22.02
DC-HSDPA	Subtest4	836.6	4183	22.84
DC-HSDPA	Subtest4	846.6	4233	23.09

## 2. Occupied Bandwidth

WCDMA band V

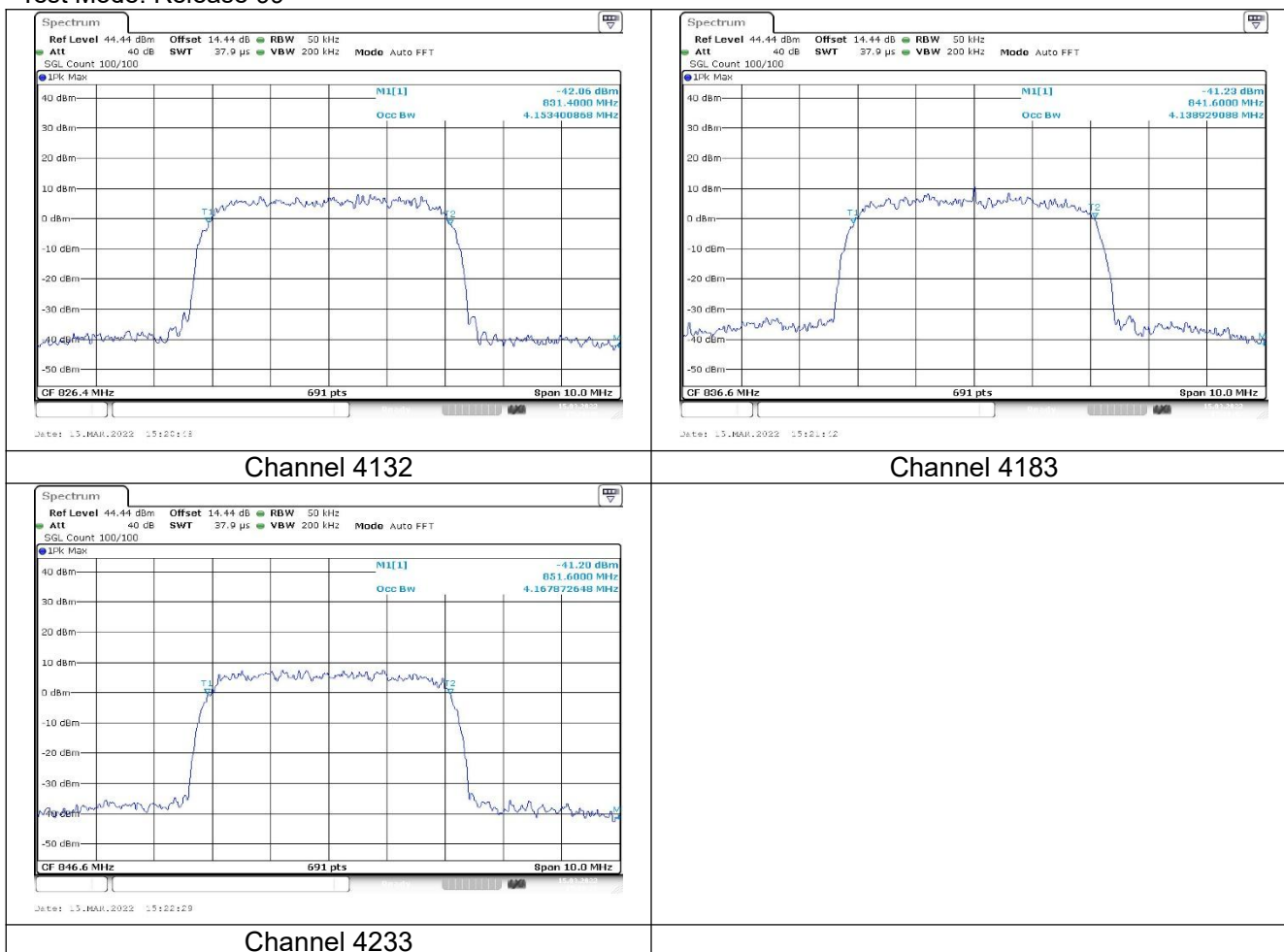
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.15
Release 99	836.6	4183	4.14
Release 99	846.6	4233	4.17

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	826.4	4132	4.17
HSDPA	836.6	4183	4.15
HSDPA	846.6	4233	4.15

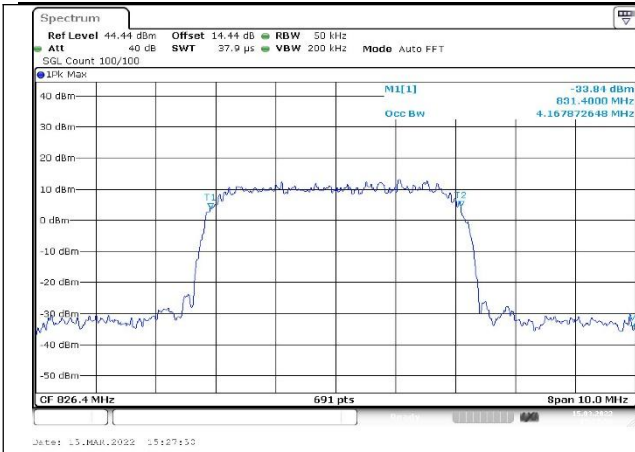
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.15
HSUPA	836.6	4183	4.17
HSUPA	846.6	4233	4.14

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

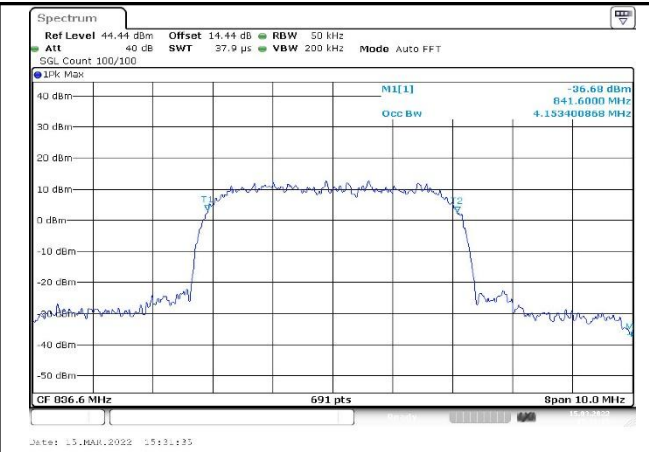
WCDMA band V  
Test Mode: Release 99



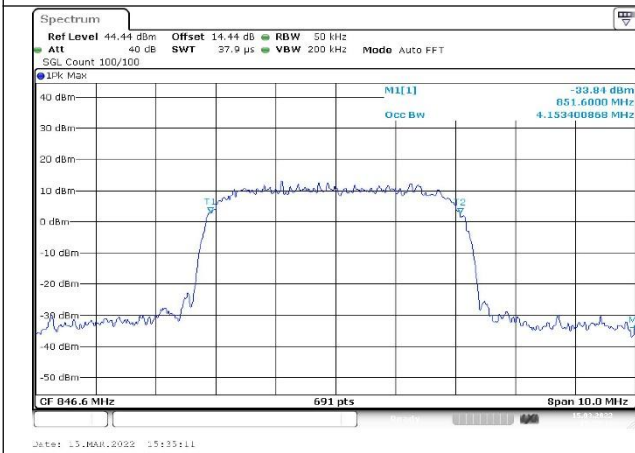
Test Mode: HSDPA



Channel 4132

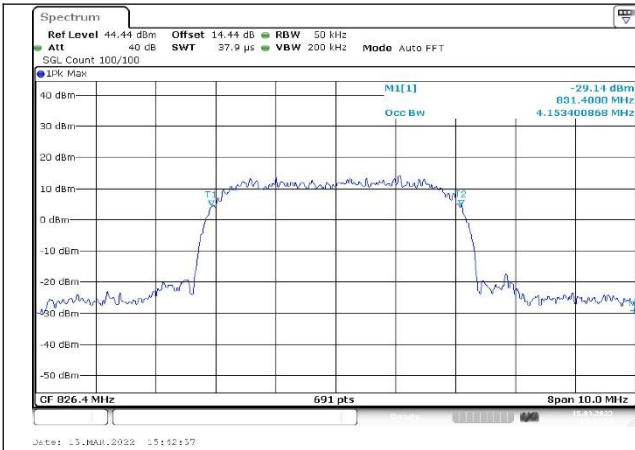


Channel 4183

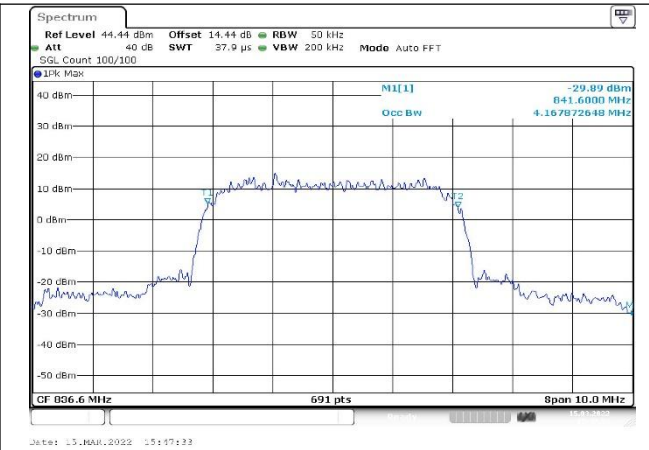


Channel 4233

Test Mode: HSUPA

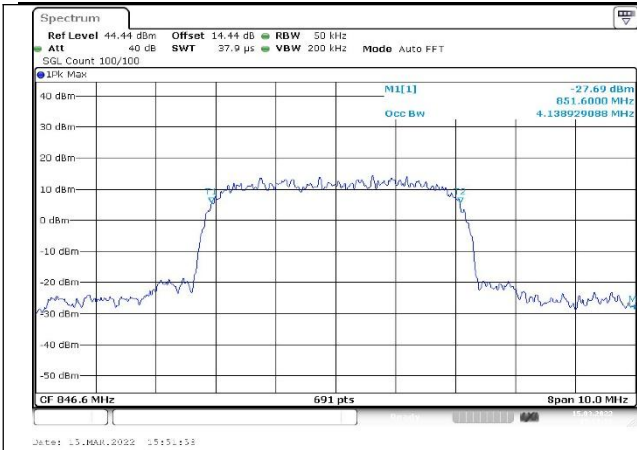


Channel 4132



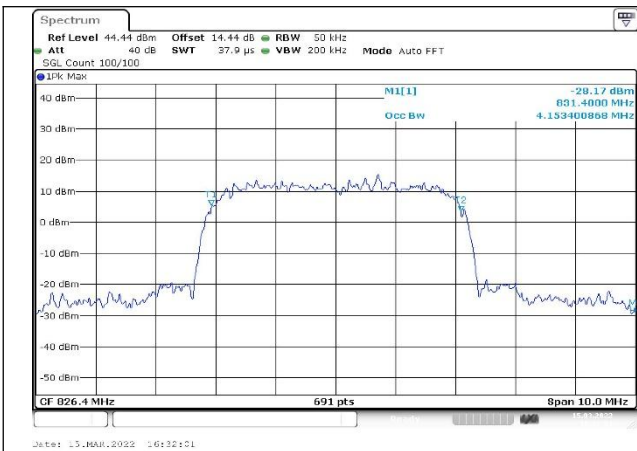
Channel 4183





Channel 4233

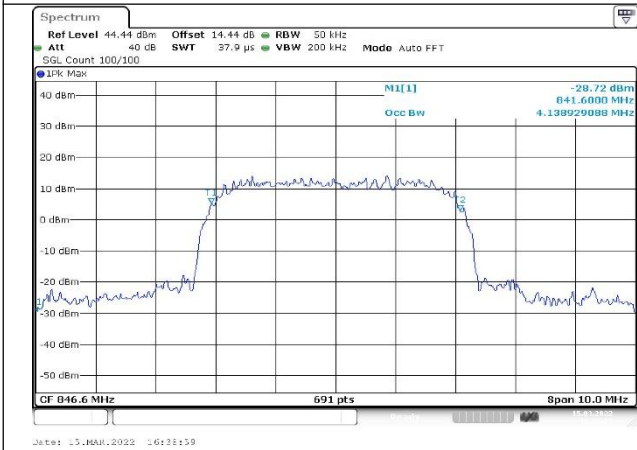
Test Mode: HSPA+



Channel 4132



Channel 4183



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	4.62
Release 99	846.6	4233	4.66

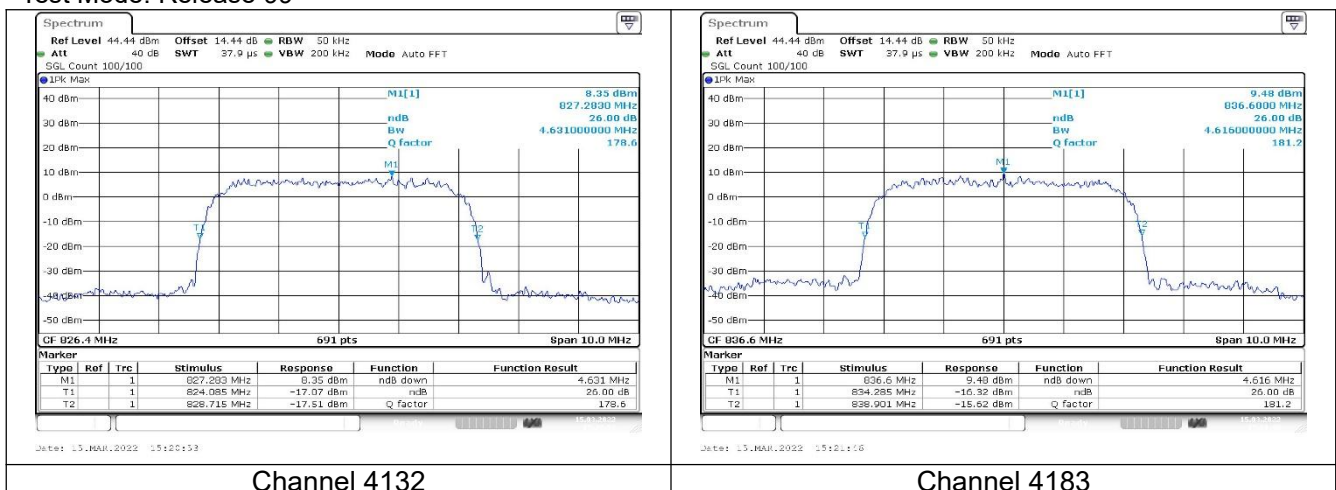
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.60
HSDPA	836.6	4183	4.66
HSDPA	846.6	4233	4.62

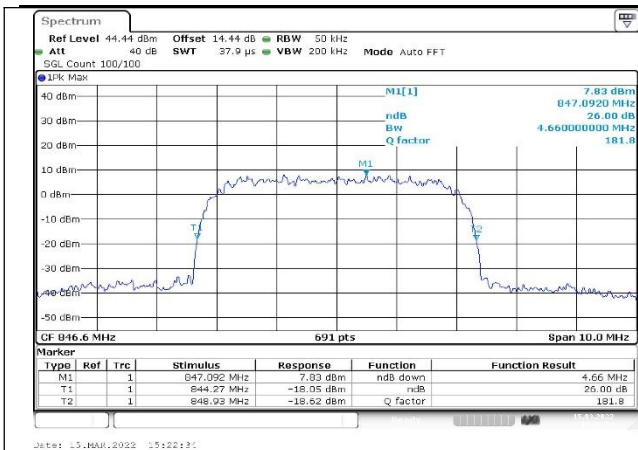
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.65
HSUPA	836.6	4183	4.65
HSUPA	846.6	4233	4.62

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

WCDMA band V

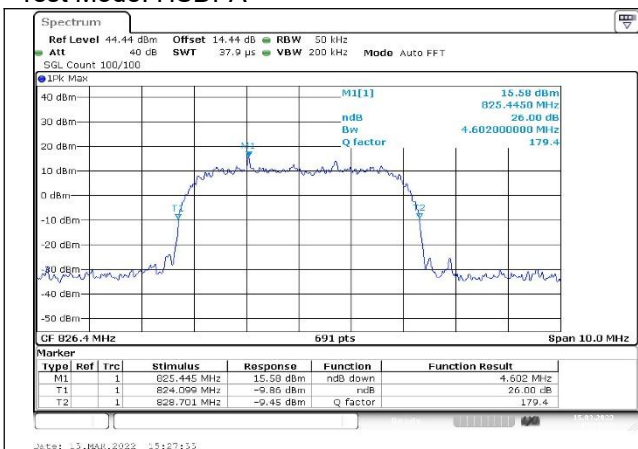
Test Mode: Release 99



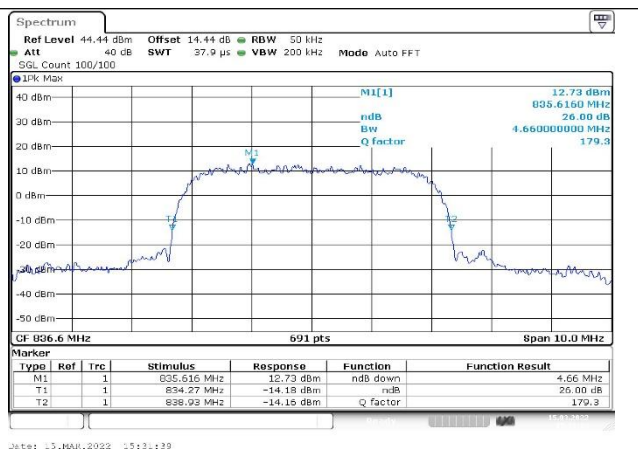


Channel 4233

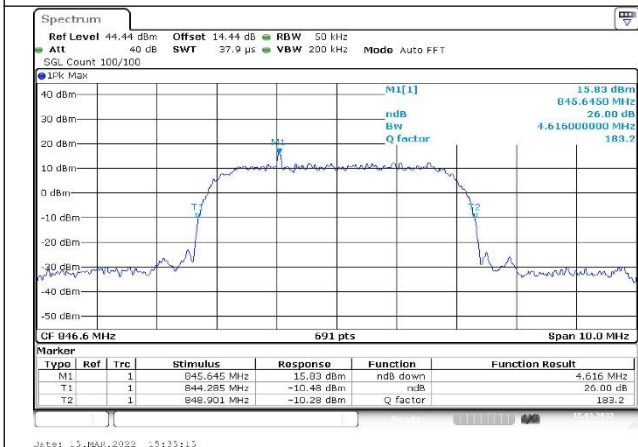
Test Mode: HSDPA



Channel 4132

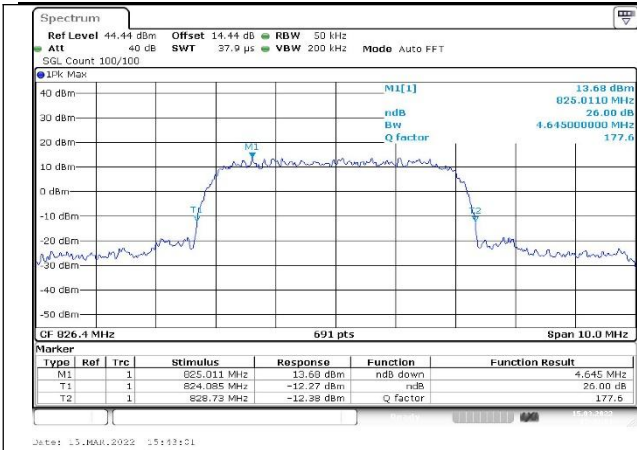


Channel 4183

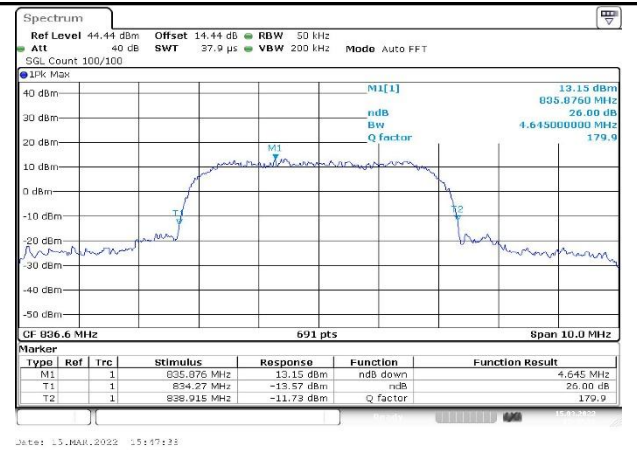


Channel 4233

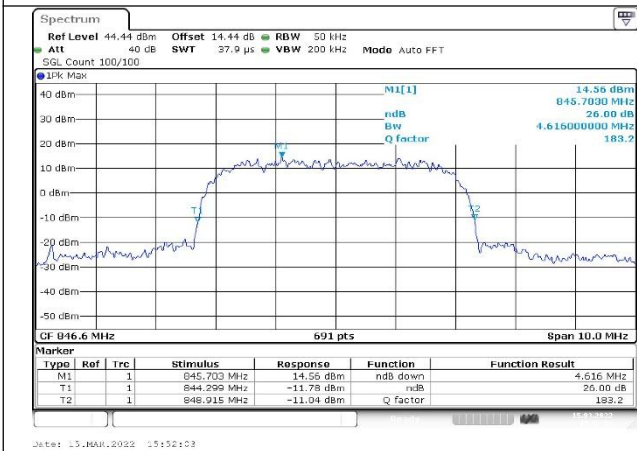
Test Mode: HSUPA



Channel 4132

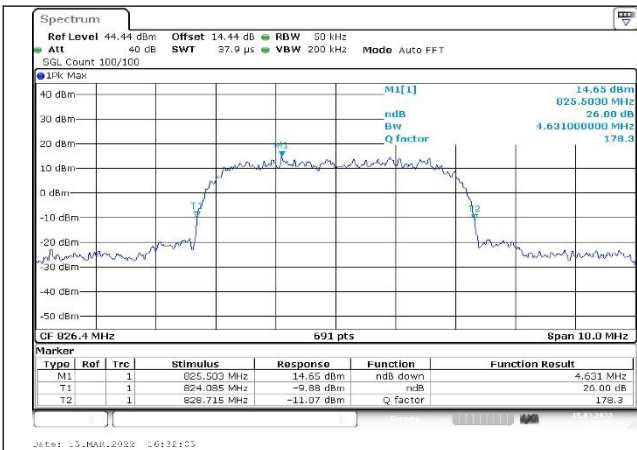


Channel 4183

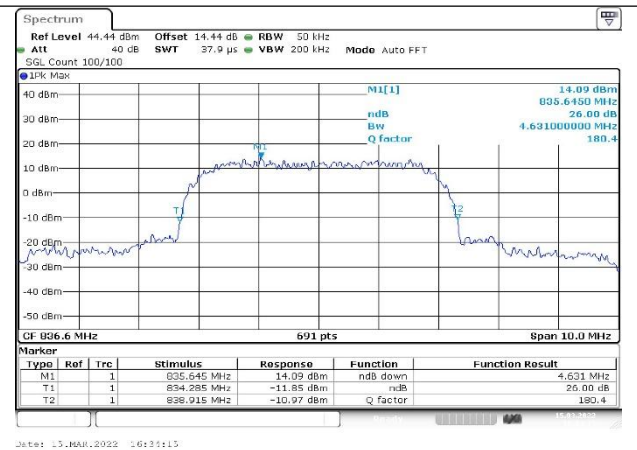


Channel 4233

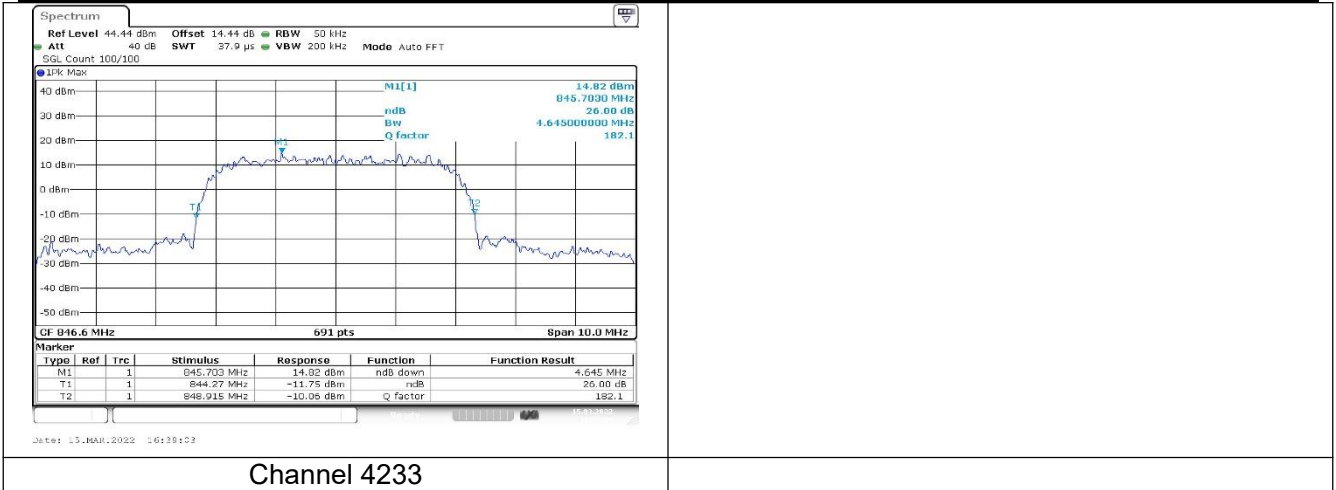
Test Mode: HSPA+



Channel 4132



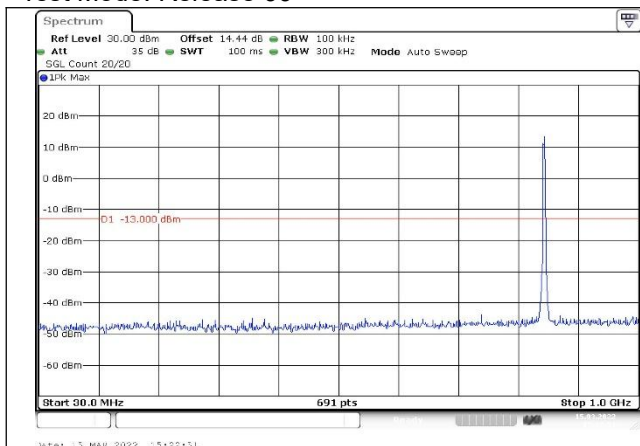
Channel 4183



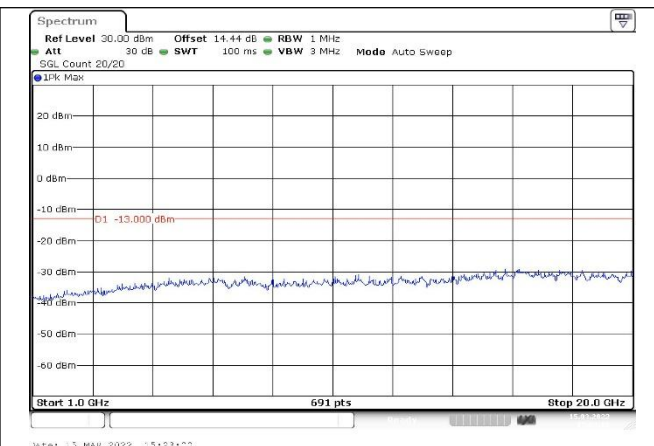
**4. Spurious Emissions at antenna terminal**

WCDMA band V

Test Mode: Release 99



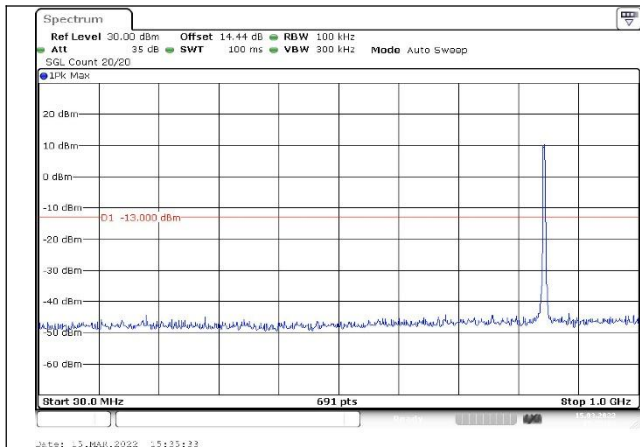
Channel 4132 30MHz~1GHz(dBm)



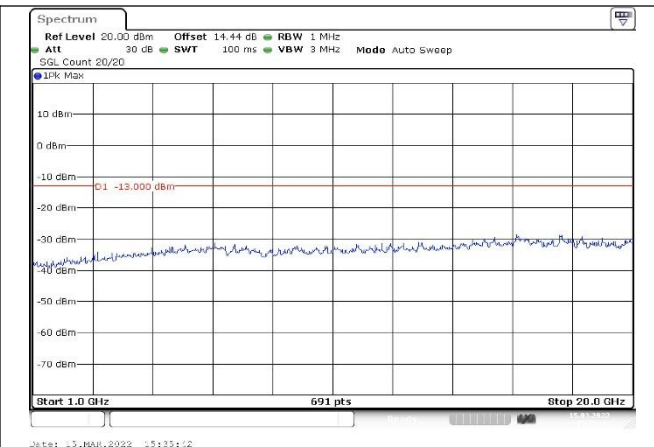
Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSDPA



Channel 4132 30MHz~1GHz(dBm)



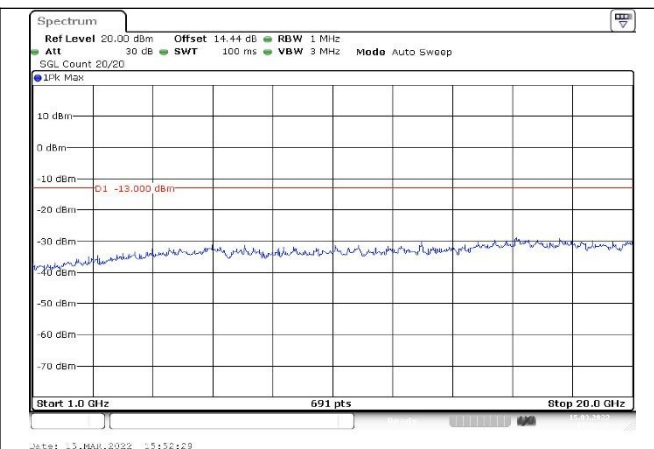
Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSUPA



Channel 4132 30MHz~1GHz(dBm)



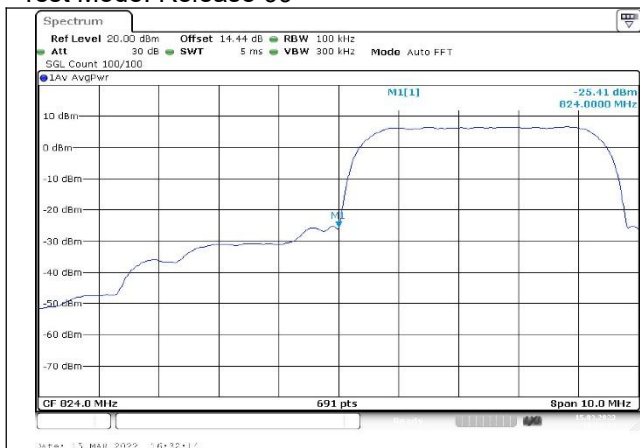
Channel 4132 1GHz~20GHz(dBm)

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

### 5. Band Edges Compliance

WCDMA band V

Test Mode: Release 99

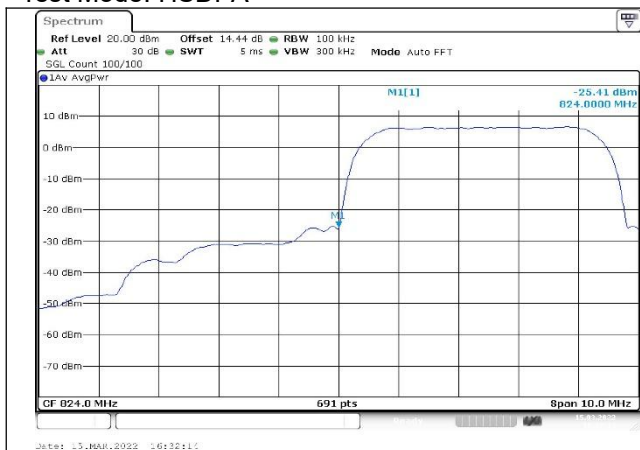


Channel 4132



Channel 4233

Test Mode: HSDPA

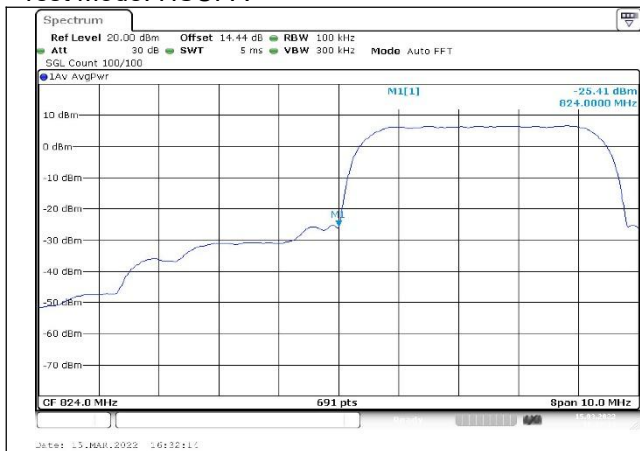


Channel 4132



Channel 4233

Test Mode: HSUPA



Channel 4132



Channel 4233

Test Mode: HSPA+



Channel 4132



Channel 4233



## 6. Frequency Stability

WCDMA band V

Test Mode: Release 99

Mode	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-10	-0.120	-0.260	-0.040
Release 99	-0	-0.050	0.180	0.250
Release 99	+10	0.410	-0.080	-0.190
Release 99	+20	0.000	-0.160	0.320
Release 99	+30	0.020	0.160	-0.300
Release 99	+40	0.140	0.090	-0.150
Release 99	+50	0.580	-0.070	-0.080
Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	-0.120	0.000	0.190
Release 99	HV	0.200	0.070	-0.140

Test Mode: HSDPA

Mode	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.440	0.540	1.010
Subtest1	-0	0.220	0.240	0.400
Subtest1	+10	-0.150	0.340	0.880
Subtest1	+20	0.000	0.160	0.500
Subtest1	+30	0.220	-0.110	1.030
Subtest1	+40	0.050	0.300	0.310
Subtest1	+50	-0.170	-0.180	0.370
Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	-0.190	0.280	0.970
Subtest1	HV	-0.040	-0.150	0.810

Test Mode: HSUPA

Mode	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	-0.070	0.720	-0.060
Subtest1	-0	-0.080	0.920	0.190
Subtest1	+10	-0.250	0.710	0.010
Subtest1	+20	0.000	0.820	-0.360
Subtest1	+30	-0.390	0.440	0.110
Subtest1	+40	-0.190	1.060	0.220
Subtest1	+50	0.270	0.460	-0.270
Mode	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	-0.040	0.570	-0.320
Subtest1	HV	-0.100	0.850	-0.300