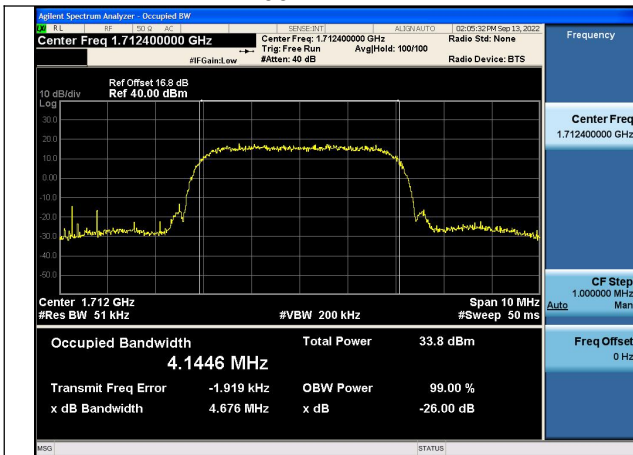
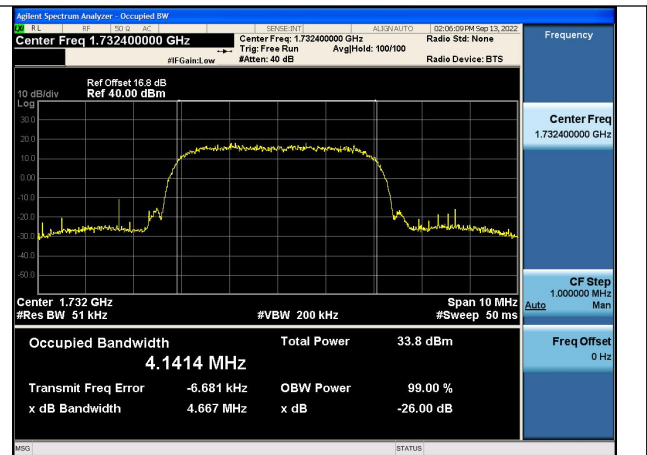


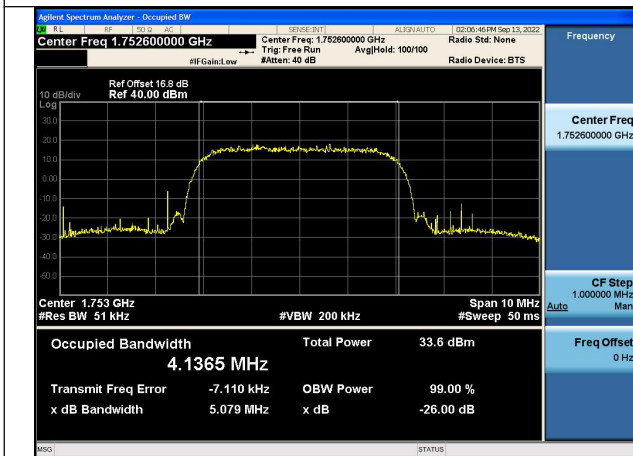
WCDMA band IV  
Test Mode: Release 99



Channel 1312

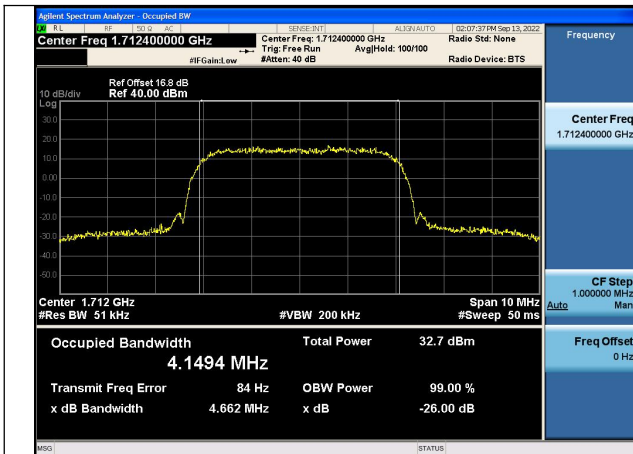


Channel 1412

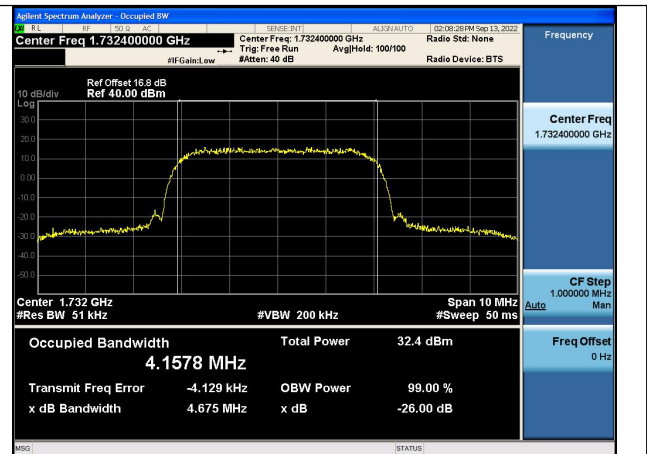


Channel 1513

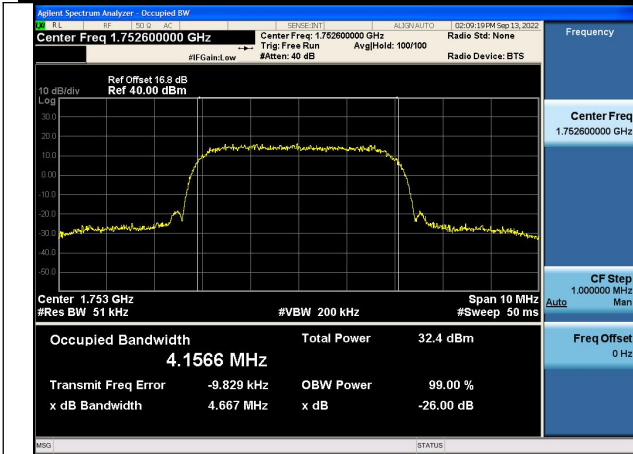
Test Mode: HSDPA



Channel 1312

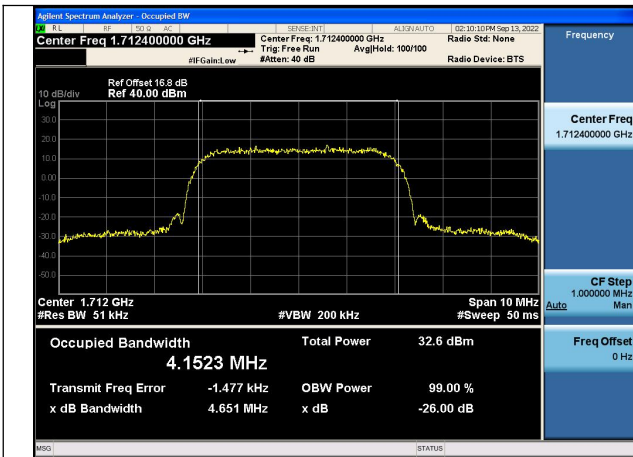


Channel 1412

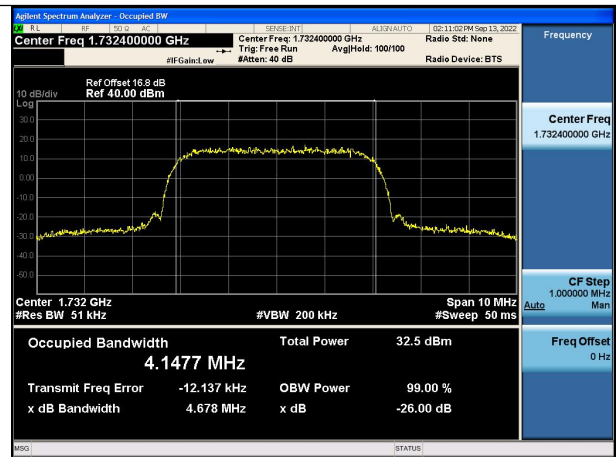


Channel 1513

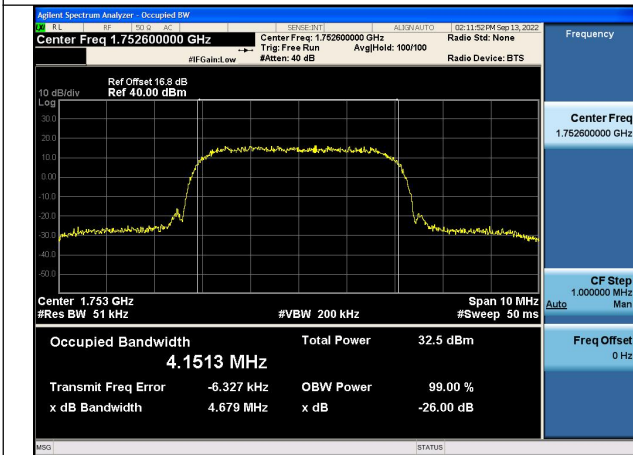
Test Mode: HSUPA



Channel 1312

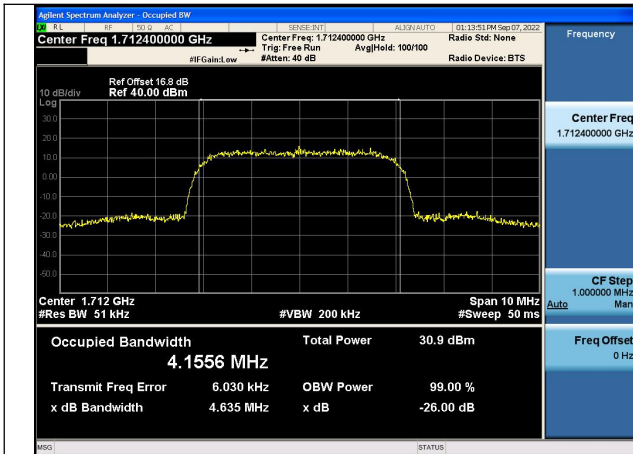


Channel 1412

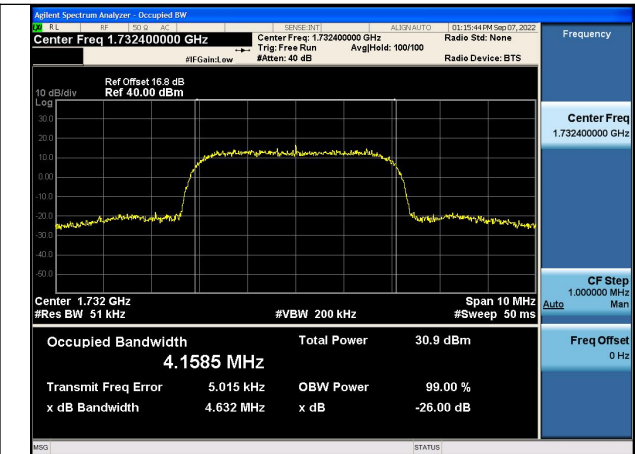


Channel 1513

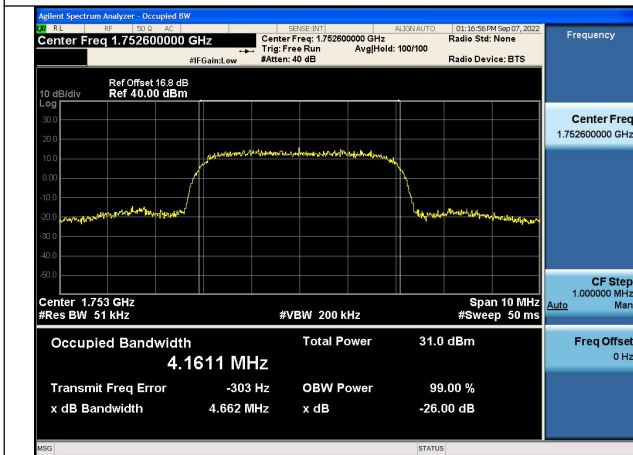
Test Mode: HSPA+



Channel 1312



Channel 1412



Channel 1513

### 3. Emission Bandwidth

#### WCDMA band IV

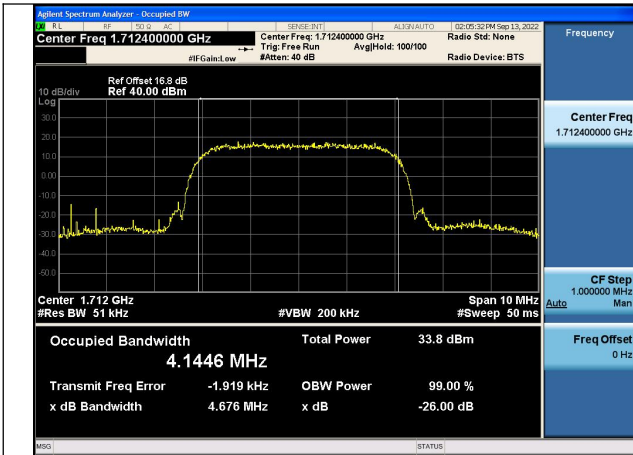
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	1712.4	1312	4.68
Release 99	1732.6	1412	4.67
Release 99	1752.6	1513	5.08

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	1712.4	1312	4.66
HSDPA	1732.6	1412	4.67
HSDPA	1752.6	1513	4.67

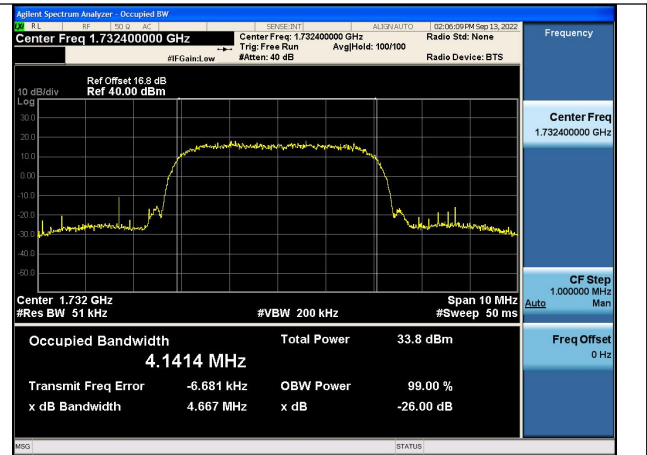
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	1712.4	1312	4.65
HSUPA	1732.6	1412	4.68
HSUPA	1752.6	1513	4.68

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	1712.4	1312	4.63
HSPA+	1732.6	1412	4.63
HSPA+	1752.6	1513	4.66

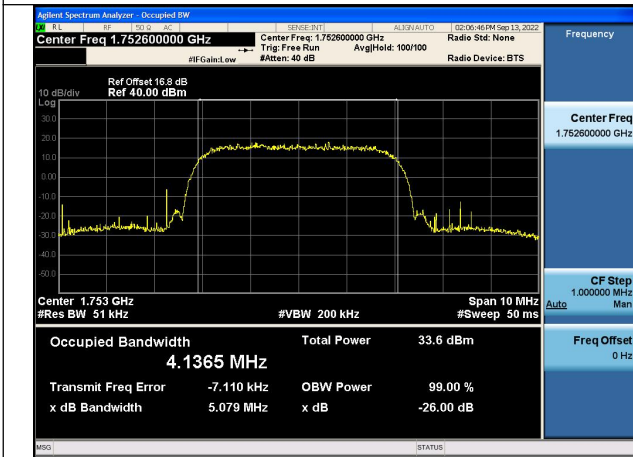
WCDMA band IV  
Test Mode: Release 99



Channel 1312

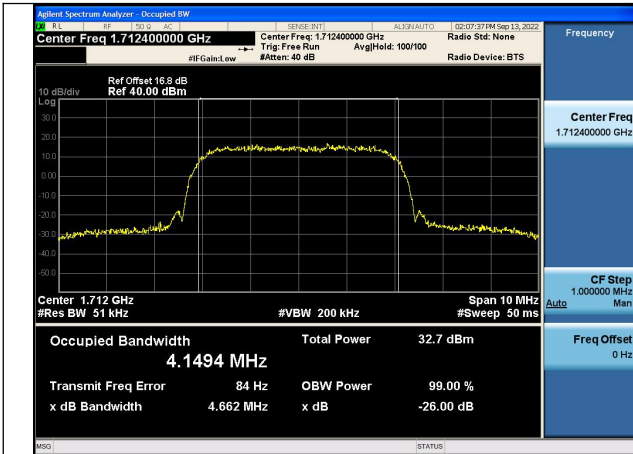


Channel 1412

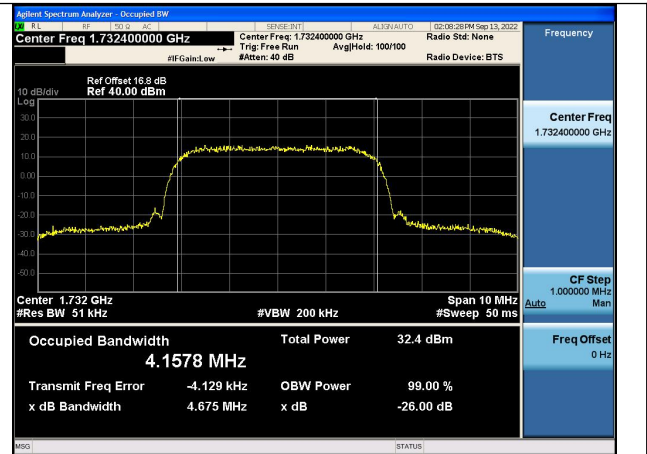


Channel 1513

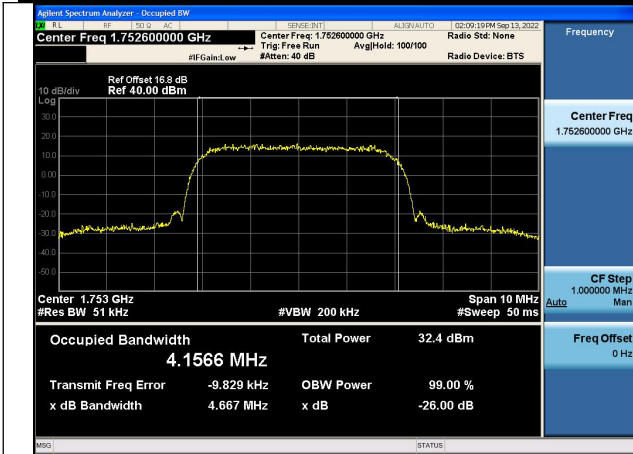
Test Mode: HSDPA



Channel 1312

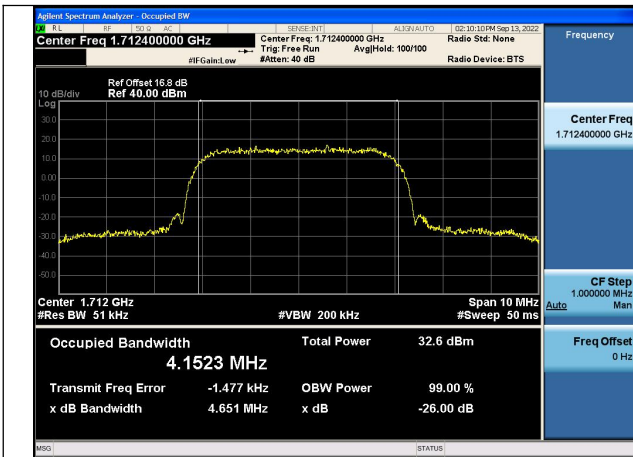


Channel 1412

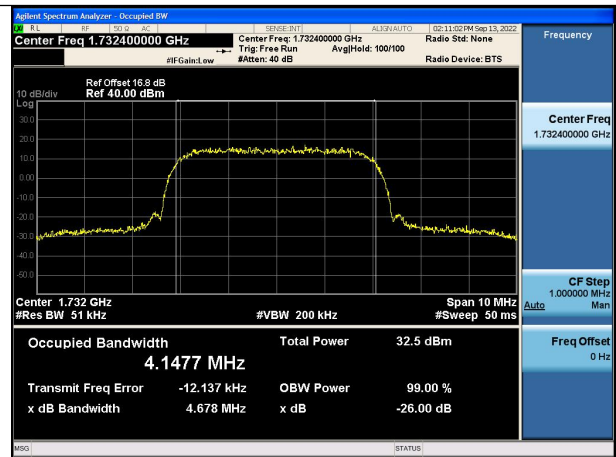


Channel 1513

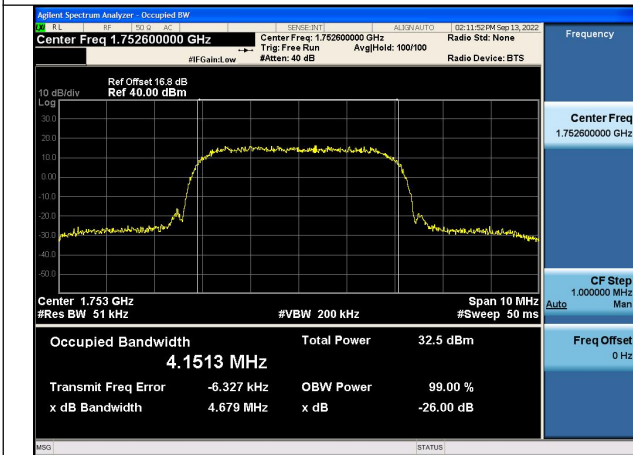
Test Mode: HSUPA



Channel 1312

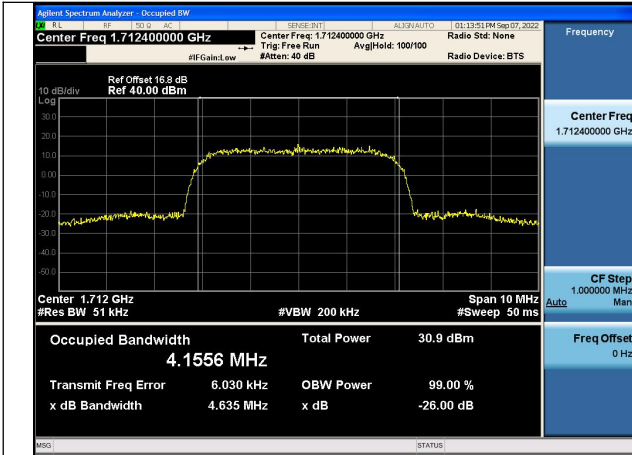


Channel 1412

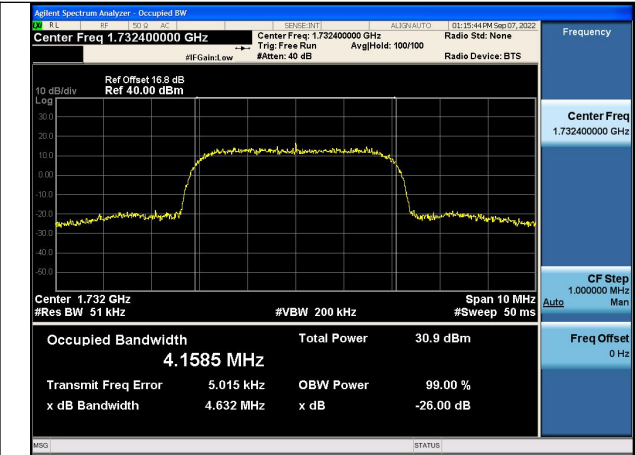


Channel 1513

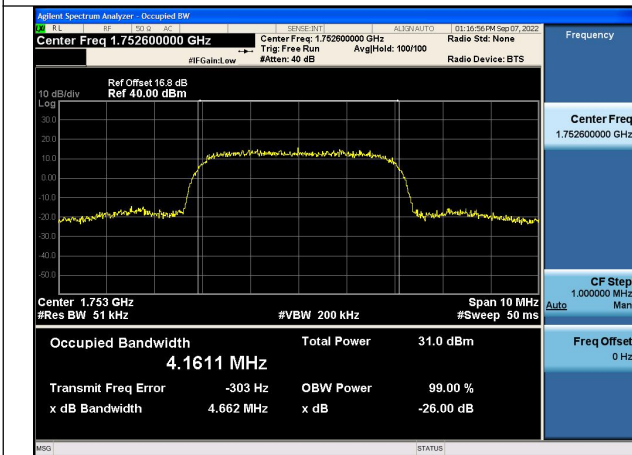
Test Mode: HSPA+



Channel 1312



Channel 1412

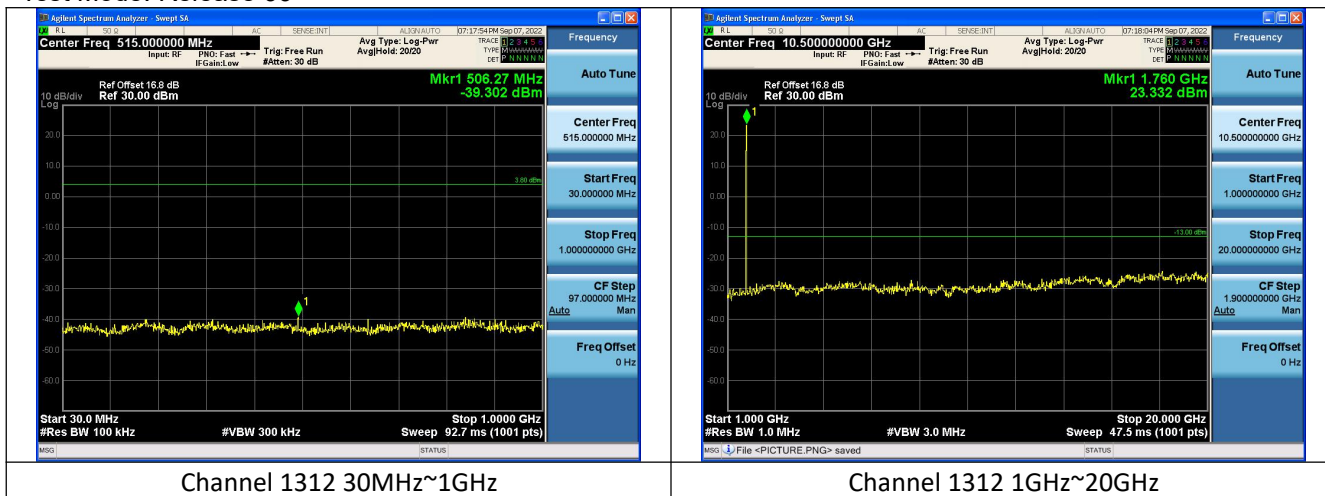


Channel 1513

#### 4. Spurious Emissions at antenna terminal

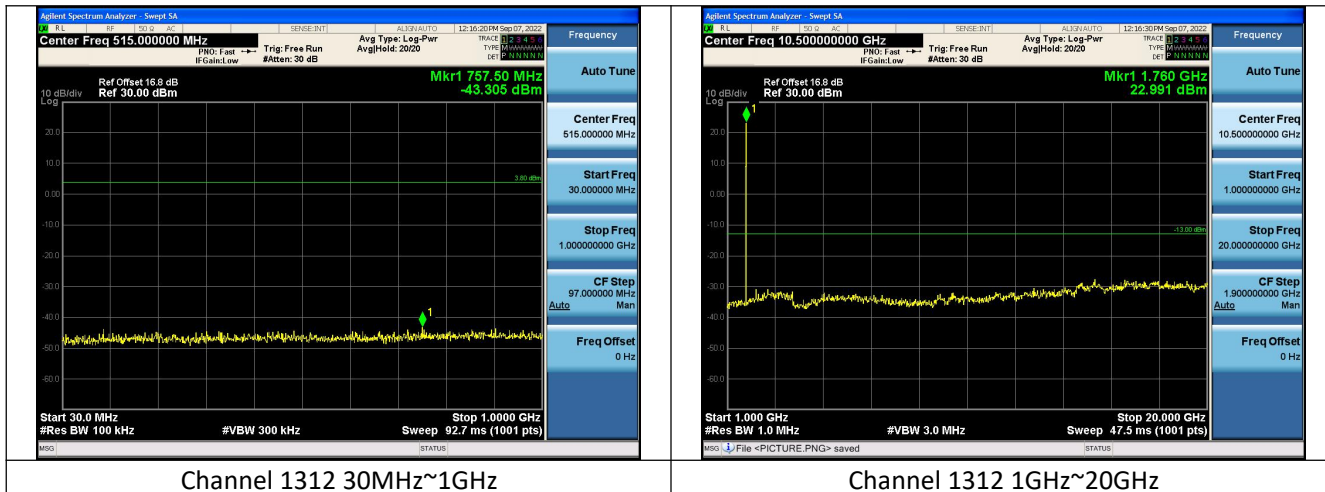
WCDMA band IV

Test Mode: Release 99



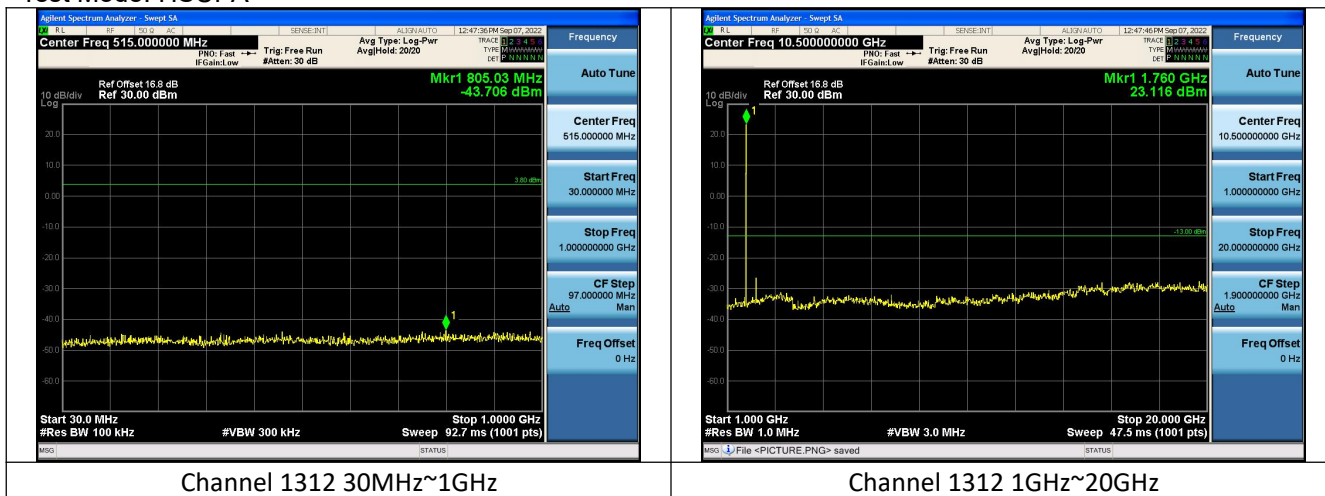
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA



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

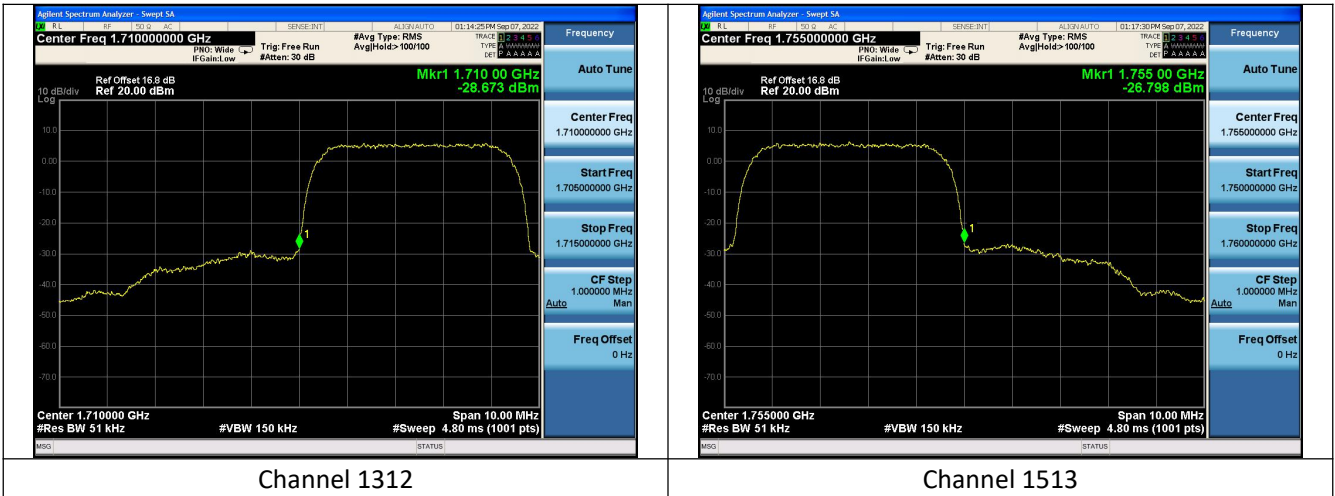
Test Mode: HSUPA



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



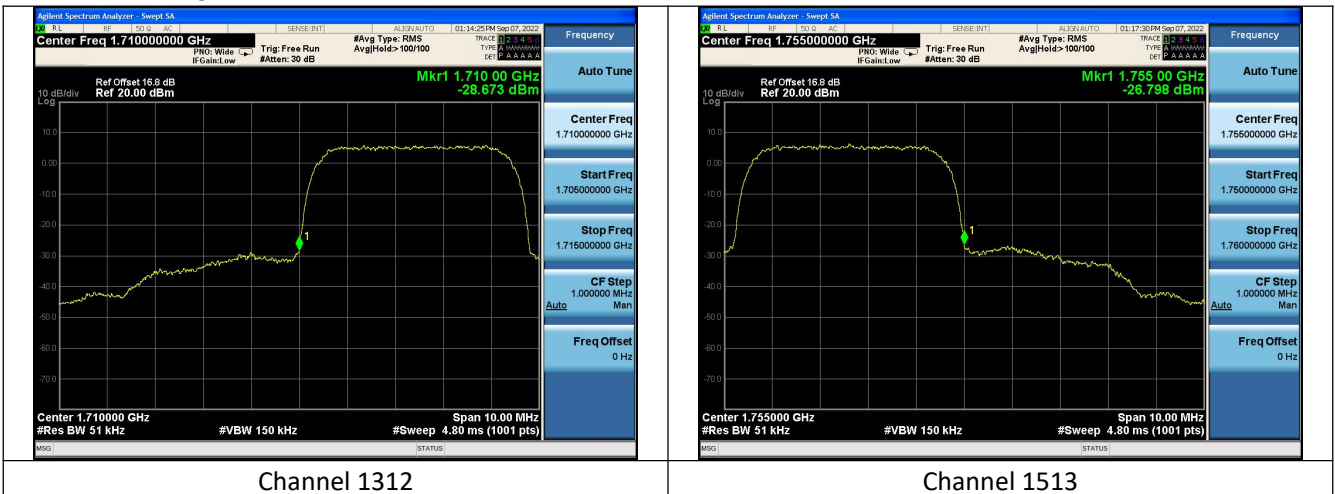
**5. Band Edges Compliance**  
WCDMA band IV  
Test Mode: Release 99



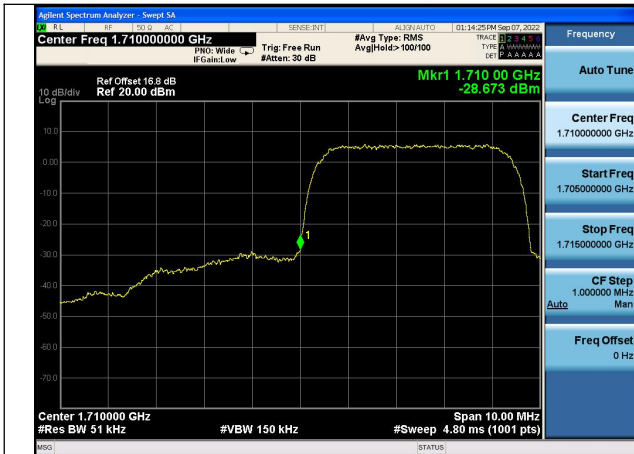
Test Mode: HSDPA



Test Mode: HSUPA



Test Mode: HSPA+



Channel 1312



Channel 1513

## 6. Frequency Stability

WCDMA band IV

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Release 99	-10	0.001	0.001	0.001
Release 99	-0	0.001	0.001	0.001
Release 99	+10	0.001	0.001	0.001
Release 99	+20	0.001	0.001	0.001
Release 99	+30	0.001	0.001	0.001
Release 99	+40	0.001	0.001	0.001
Release 99	+50	0.001	0.001	0.001
Release 99	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Release 99	LV	0.001	0.001	0.001
Release 99	HV	0.001	0.001	0.001

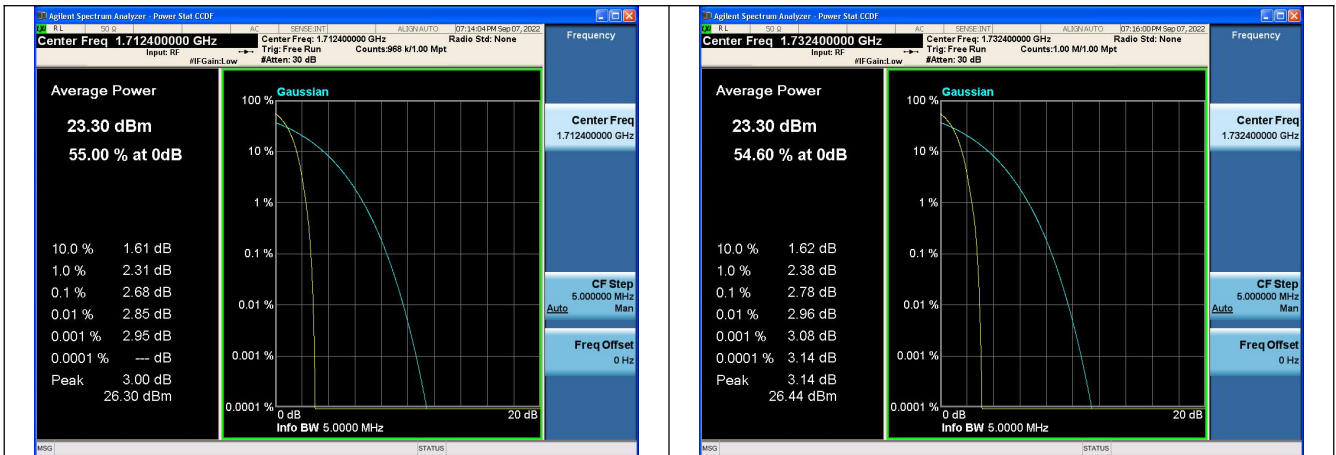
Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-10	0.001	0.001	0.001
Subtest1	-0	0.001	0.001	0.001
Subtest1	+10	0.001	0.001	0.001
Subtest1	+20	0.001	0.001	0.001
Subtest1	+30	0.001	0.001	0.001
Subtest1	+40	0.001	0.001	0.001
Subtest1	+50	0.001	0.001	0.001
Subtest1	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.001	0.001	0.001
Subtest1	HV	0.001	0.001	0.001

Test Mode: HSUPA

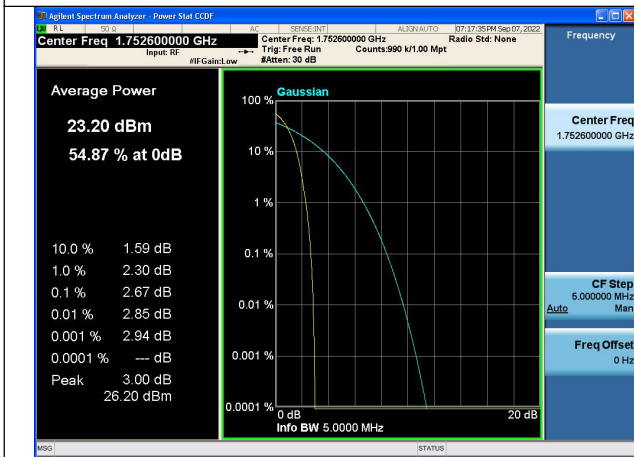
Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-10	0.001	0.001	0.001
Subtest1	-0	0.001	0.001	0.001
Subtest1	+10	0.001	0.001	0.001
Subtest1	+20	0.001	0.001	0.001
Subtest1	+30	0.001	0.001	0.001
Subtest1	+40	0.001	0.001	0.001
Subtest1	+50	0.001	0.001	0.001
Subtest1	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.001	0.001	0.001
Subtest1	HV	0.001	0.001	0.001

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



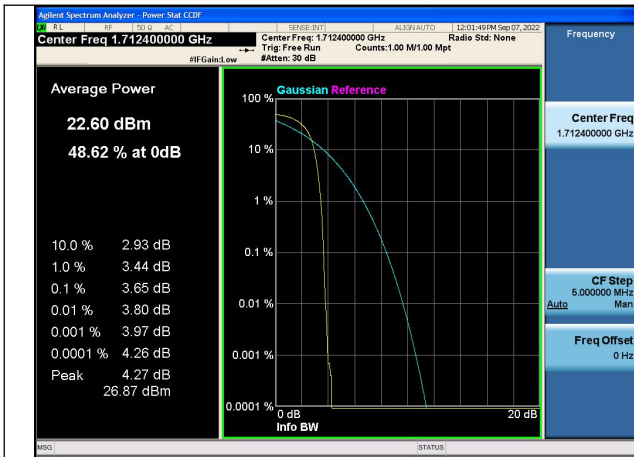
Channel 1312

Channel 1412



Channel 1513

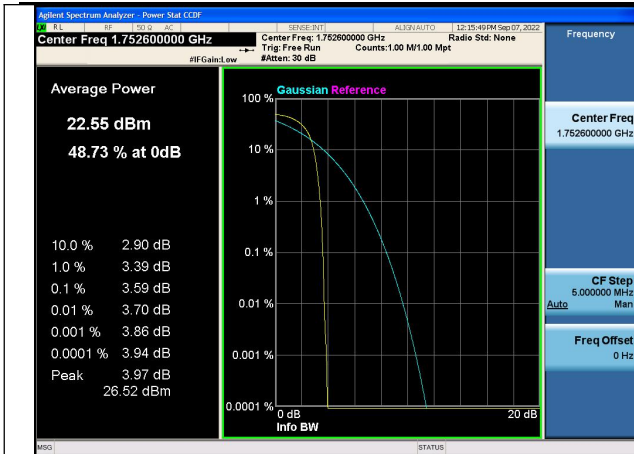
**Test Mode: HSDPA**



Channel 1312

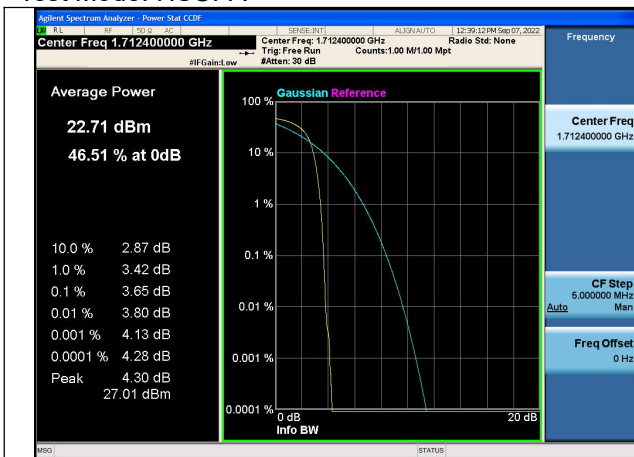


Channel 1412

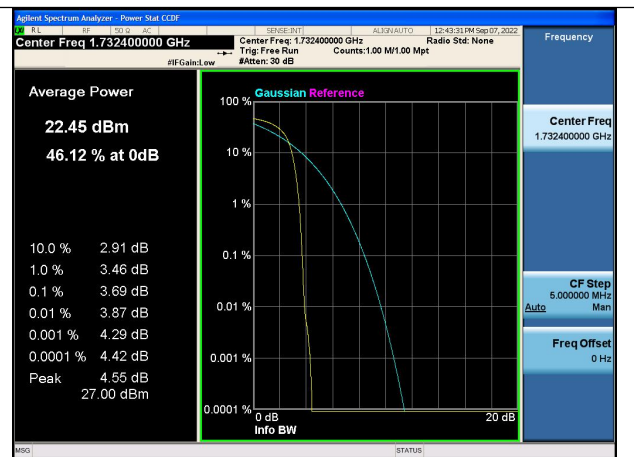


Channel 1513

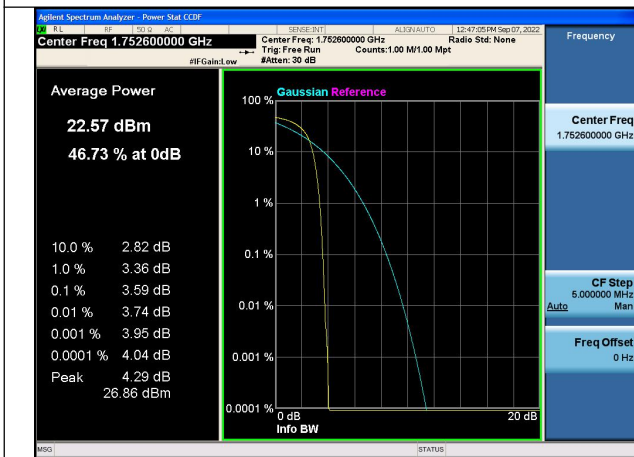
Test Mode: HSUPA



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	23.49	21.89	0.155
Release 99	RMC, 12.2kbps	1732.6	1412	23.36	21.76	0.150
Release 99	RMC, 12.2kbps	1752.6	1513	23.35	21.75	0.150

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	22.91	21.31	0.135
HSDPA	Subtest1	1732.6	1412	22.82	21.22	0.132
HSDPA	Subtest1	1752.6	1513	22.89	21.29	0.135
HSDPA	Subtest2	1712.4	1312	22.77	21.17	0.131
HSDPA	Subtest2	1732.6	1412	22.69	21.09	0.129
HSDPA	Subtest2	1752.6	1513	22.66	21.06	0.128
HSDPA	Subtest3	1712.4	1312	22.65	21.05	0.127
HSDPA	Subtest3	1732.6	1412	22.58	20.98	0.125
HSDPA	Subtest3	1752.6	1513	22.55	20.95	0.124
HSDPA	Subtest4	1712.4	1312	22.63	21.03	0.127
HSDPA	Subtest4	1732.6	1412	22.58	20.98	0.125
HSDPA	Subtest4	1752.6	1513	22.54	20.94	0.124

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	22.43	20.83	0.121
HSUPA	Subtest1	1732.6	1412	22.35	20.75	0.119
HSUPA	Subtest1	1752.6	1513	22.29	20.69	0.117
HSUPA	Subtest2	1712.4	1312	22.42	20.82	0.121
HSUPA	Subtest2	1732.6	1412	22.39	20.79	0.120
HSUPA	Subtest2	1752.6	1513	22.75	21.15	0.130
HSUPA	Subtest3	1712.4	1312	21.36	19.76	0.095
HSUPA	Subtest3	1732.6	1412	21.93	20.33	0.108
HSUPA	Subtest3	1752.6	1513	22.04	20.44	0.111
HSUPA	Subtest4	1712.4	1312	22.75	21.15	0.130
HSUPA	Subtest4	1732.6	1412	22.68	21.08	0.128
HSUPA	Subtest4	1752.6	1513	22.86	21.26	0.134
HSUPA	Subtest5	1712.4	1312	22.11	20.51	0.112
HSUPA	Subtest5	1732.6	1412	21.79	20.19	0.104
HSUPA	Subtest5	1752.6	1513	22.35	20.75	0.119

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	21.96	20.36	0.109
HSPA+	QPSK	1732.6	1412	22.07	20.47	0.111
HSPA+	QPSK	1752.6	1513	22.1	20.50	0.112
HSPA+	16QAM	1712.4	1312	22.24	20.64	0.116
HSPA+	16QAM	1732.6	1412	22.00	20.40	0.110
HSPA+	16QAM	1752.6	1513	21.92	20.32	0.108

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1712.4	1312	22.81	21.21	0.132
DC-HSDPA	Subtest1	1732.6	1412	22.77	21.17	0.131
DC-HSDPA	Subtest1	1752.6	1513	22.44	20.84	0.121
DC-HSDPA	Subtest2	1712.4	1312	22.69	21.09	0.129
DC-HSDPA	Subtest2	1732.6	1412	22.63	21.03	0.127
DC-HSDPA	Subtest2	1752.6	1513	22.54	20.94	0.124
DC-HSDPA	Subtest3	1712.4	1312	22.59	20.99	0.126
DC-HSDPA	Subtest3	1732.6	1412	22.58	20.98	0.125
DC-HSDPA	Subtest3	1752.6	1513	22.42	20.82	0.121
DC-HSDPA	Subtest4	1712.4	1312	22.58	20.98	0.125
DC-HSDPA	Subtest4	1732.6	1412	22.53	20.93	0.124
DC-HSDPA	Subtest4	1752.6	1513	22.41	20.81	0.121



## 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	24.06
Release 99	RMC,12.2kbps	836.6	4183	24.19
Release 99	RMC,12.2kbps	846.6	4233	24.04

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	23.13
HSDPA	Subtest1	836.6	4183	22.74
HSDPA	Subtest1	846.6	4233	22.86
HSDPA	Subtest2	826.4	4132	22.69
HSDPA	Subtest2	836.6	4183	22.39
HSDPA	Subtest2	846.6	4233	22.49
HSDPA	Subtest3	826.4	4132	22.37
HSDPA	Subtest3	836.6	4183	22.06
HSDPA	Subtest3	846.6	4233	22.16
HSDPA	Subtest4	826.4	4132	22.13
HSDPA	Subtest4	836.6	4183	22.02
HSDPA	Subtest4	846.6	4233	22.02

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	23.41
HSUPA	Subtest1	836.6	4183	22.71
HSUPA	Subtest1	846.6	4233	22.72
HSUPA	Subtest2	826.4	4132	23.44
HSUPA	Subtest2	836.6	4183	22.81
HSUPA	Subtest2	846.6	4233	23.06
HSUPA	Subtest3	826.4	4132	22.84
HSUPA	Subtest3	836.6	4183	22.58
HSUPA	Subtest3	846.6	4233	21.65
HSUPA	Subtest4	826.4	4132	23.53
HSUPA	Subtest4	836.6	4183	23.26
HSUPA	Subtest4	846.6	4233	23.31
HSUPA	Subtest5	826.4	4132	23.14
HSUPA	Subtest5	836.6	4183	22.41
HSUPA	Subtest5	846.6	4233	22.52

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	23.09
HSPA+	QPSK	836.6	4183	22.76
HSPA+	QPSK	846.6	4233	23.01
HSPA+	16QAM	826.4	4132	23.00
HSPA+	16QAM	836.6	4183	22.49
HSPA+	16QAM	846.6	4233	23.07

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	826.4	4132	23.01
DC-HSDPA	Subtest1	836.6	4183	22.71
DC-HSDPA	Subtest1	846.6	4233	22.22
DC-HSDPA	Subtest2	826.4	4132	22.72
DC-HSDPA	Subtest2	836.6	4183	22.40
DC-HSDPA	Subtest2	846.6	4233	22.59
DC-HSDPA	Subtest3	826.4	4132	22.38
DC-HSDPA	Subtest3	836.6	4183	22.07
DC-HSDPA	Subtest3	846.6	4233	22.26
DC-HSDPA	Subtest4	826.4	4132	22.15
DC-HSDPA	Subtest4	836.6	4183	22.03
DC-HSDPA	Subtest4	846.6	4233	22.11

## 2. Occupied Bandwidth

WCDMA band V

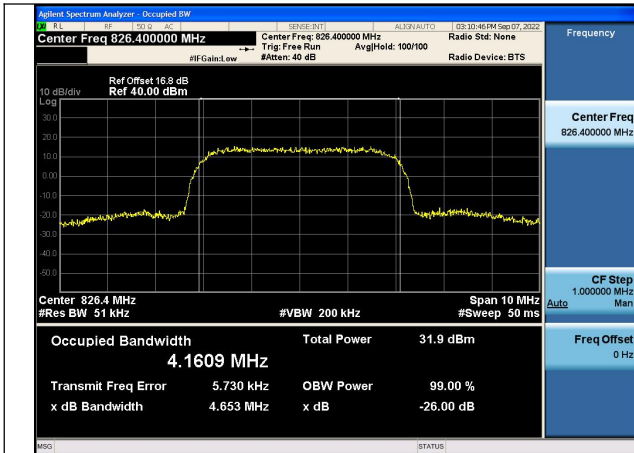
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.14
Release 99	836.6	4183	4.16
Release 99	846.6	4233	4.14

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	826.4	4132	4.13
HSDPA	836.6	4183	4.15
HSDPA	846.6	4233	4.13

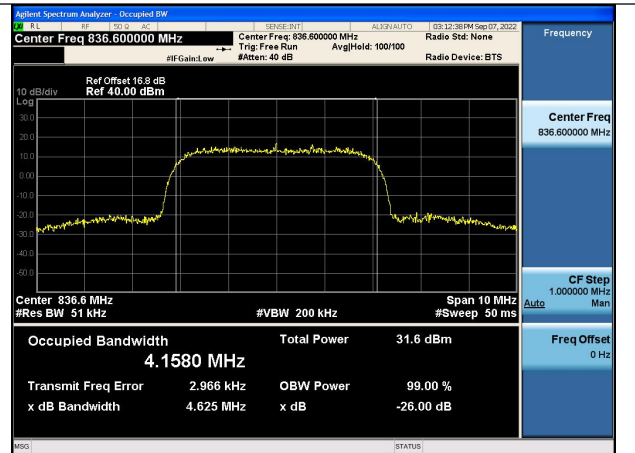
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.15
HSUPA	836.6	4183	4.15
HSUPA	846.6	4233	4.15

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	826.4	4132	4.16
HSPA+	836.6	4183	4.16
HSPA+	846.6	4233	4.15

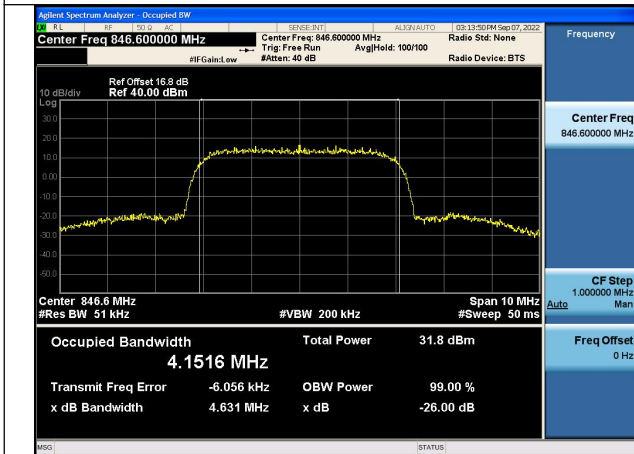
WCDMA band V  
Test Mode: Release 99



Channel 4132

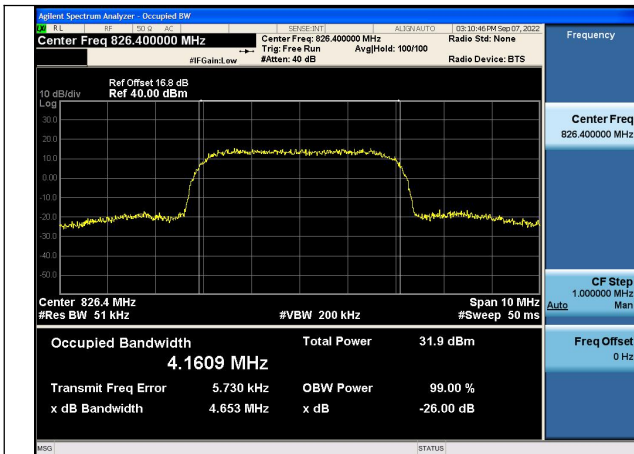


Channel 4183

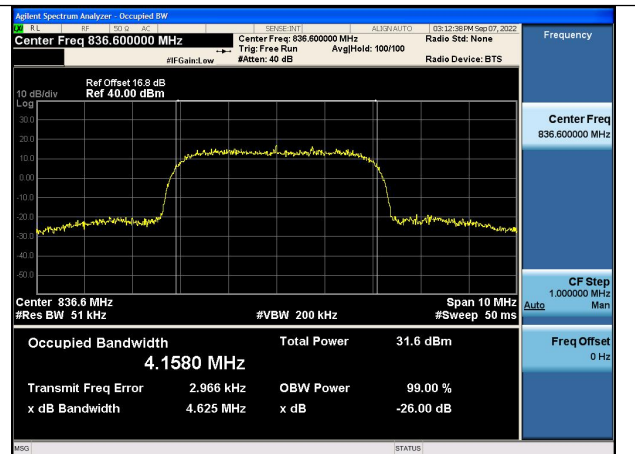


Channel 4233

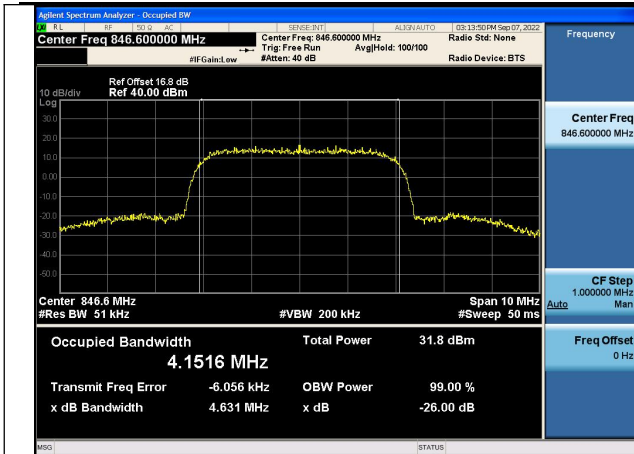
Test Mode: HSDPA



Channel 4132

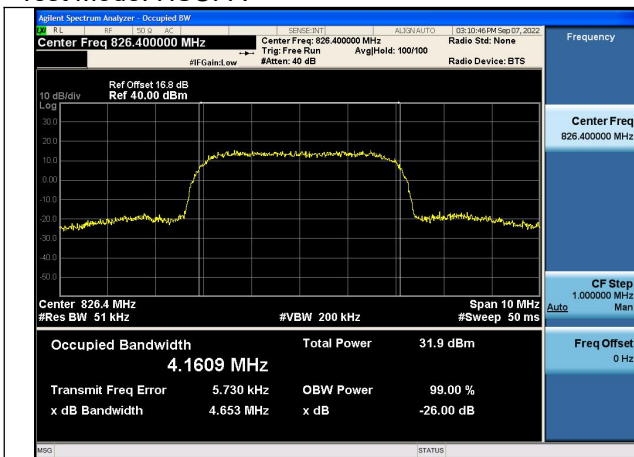


Channel 4183

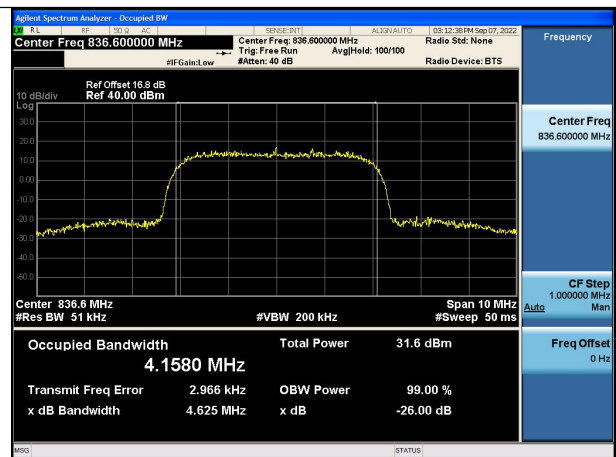


Channel 4233

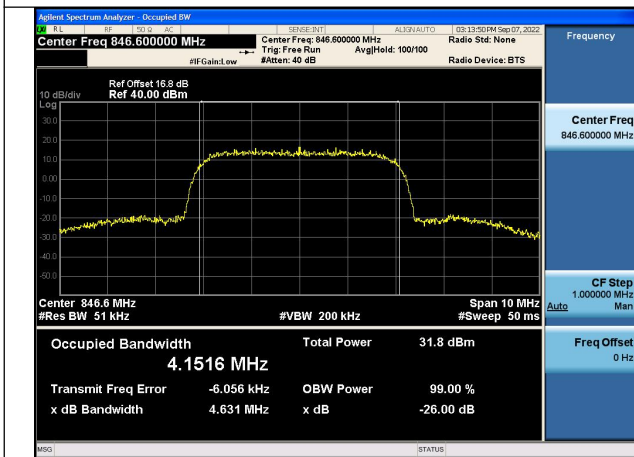
Test Mode: HSUPA



Channel 4132

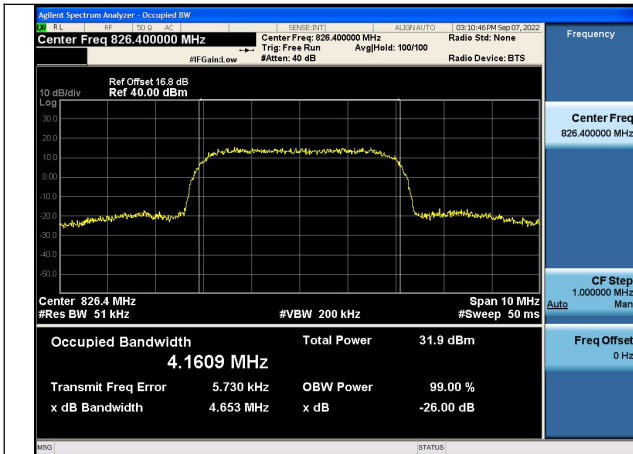


Channel 4183

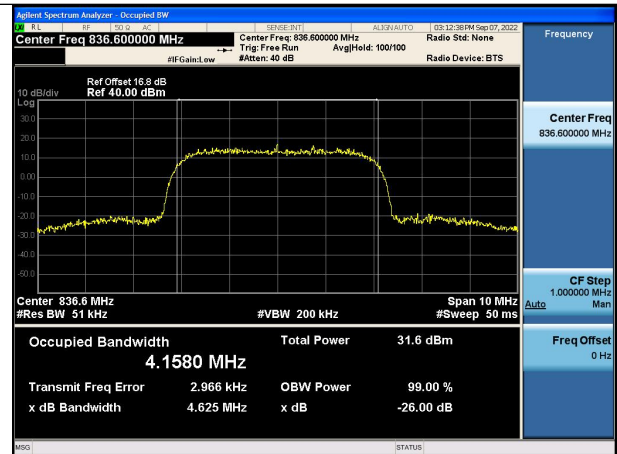


Channel 4233

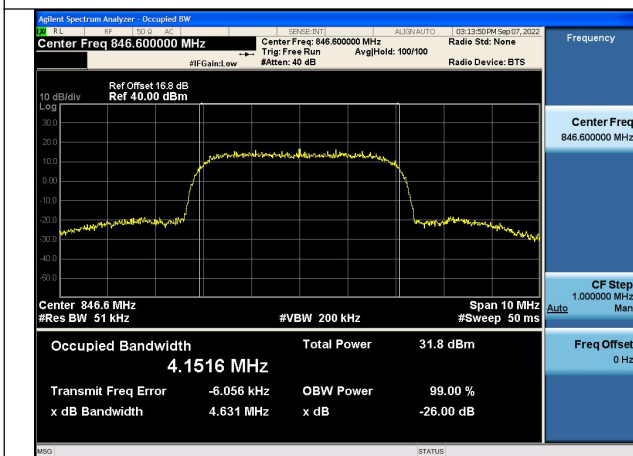
Test Mode: HSPA+



Channel 4132



Channel 4183



Channel 4233

### 3. Emission Bandwidth

WCDMA band V

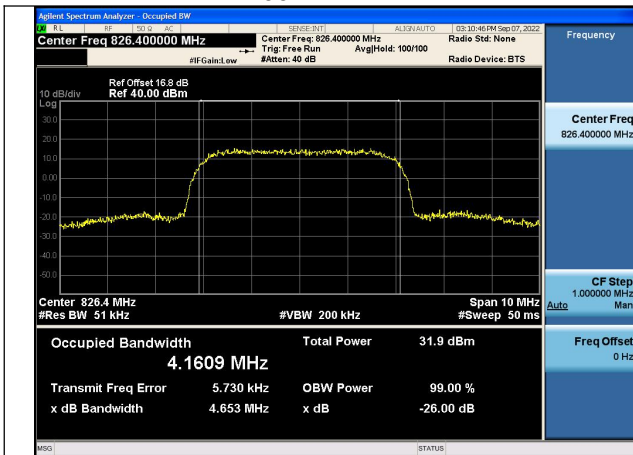
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.64
Release 99	836.6	4183	4.65
Release 99	846.6	4233	4.63

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.63
HSDPA	836.6	4183	4.63
HSDPA	846.6	4233	4.62

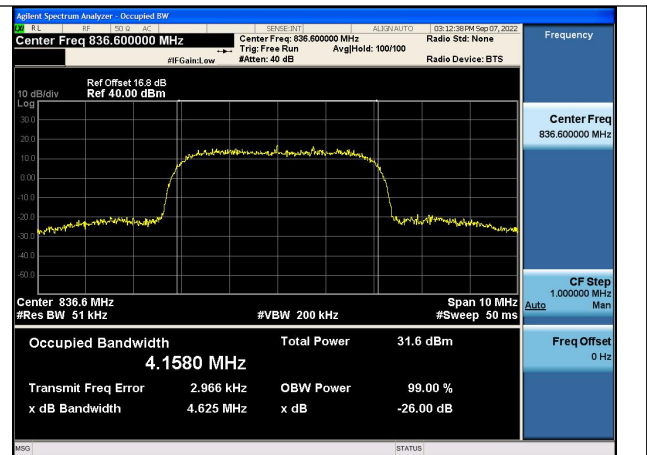
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.63
HSUPA	836.6	4183	4.63
HSUPA	846.6	4233	4.63

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

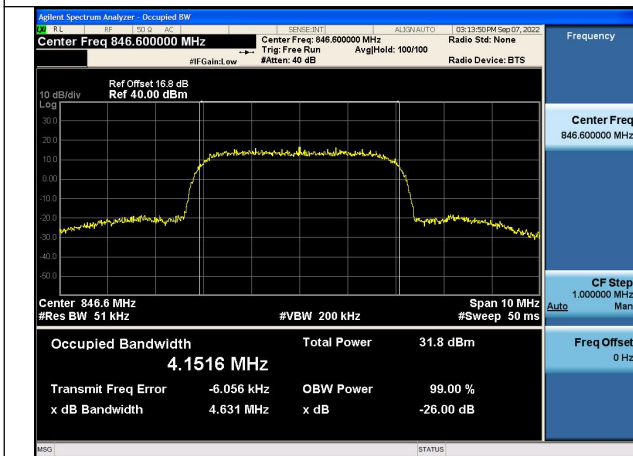
WCDMA band V  
Test Mode: Release 99



Channel 4132

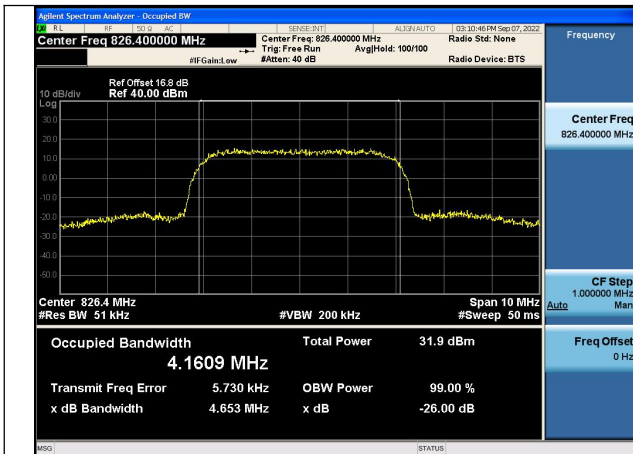


Channel 4183

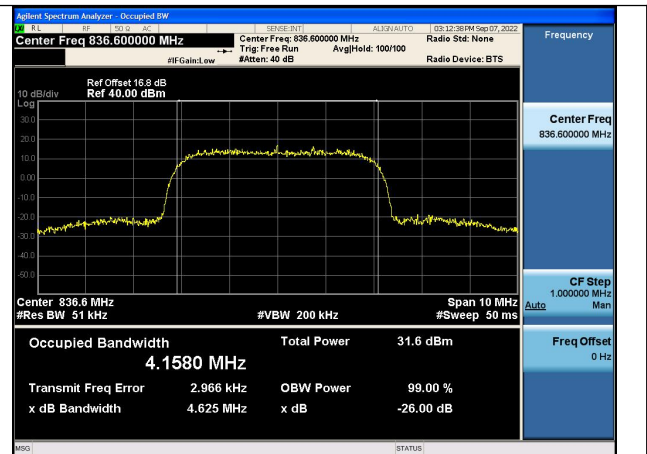


Channel 4233

Test Mode: HSDPA

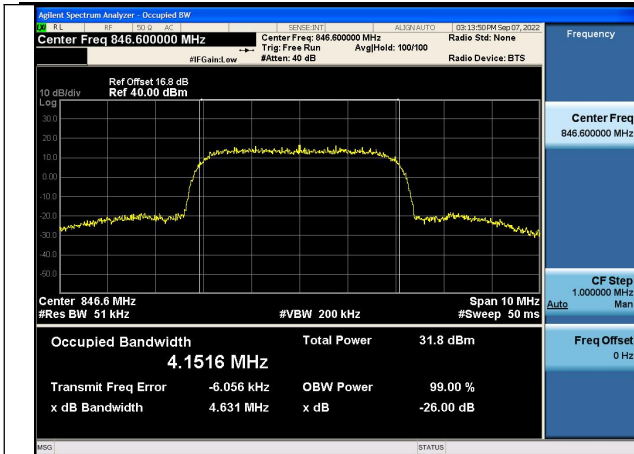


Channel 4132



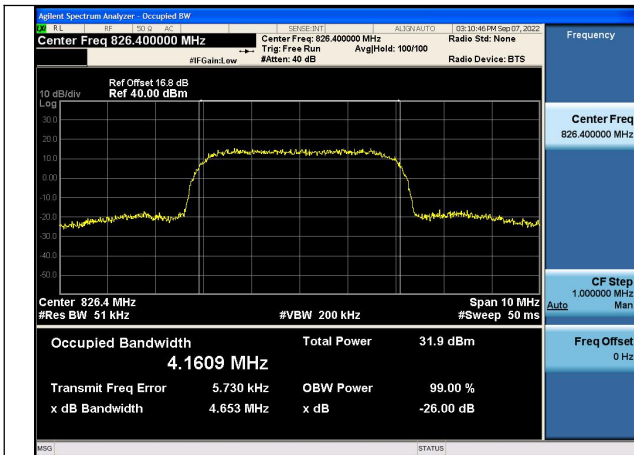
Channel 4183



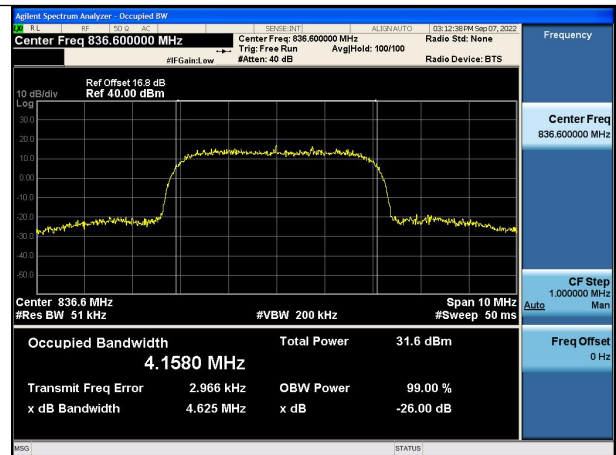


Channel 4233

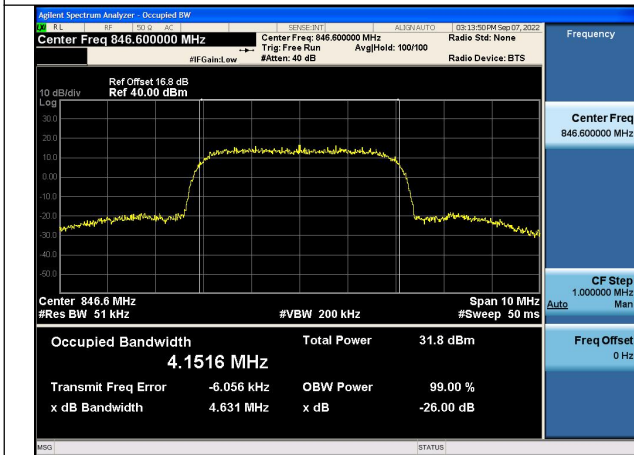
Test Mode: HSUPA



Channel 4132

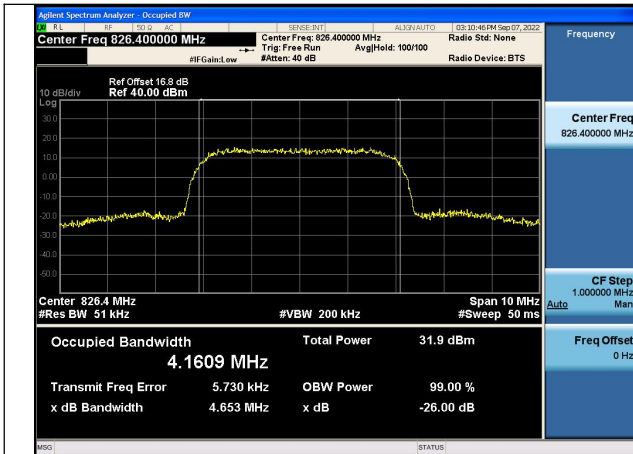


Channel 4183

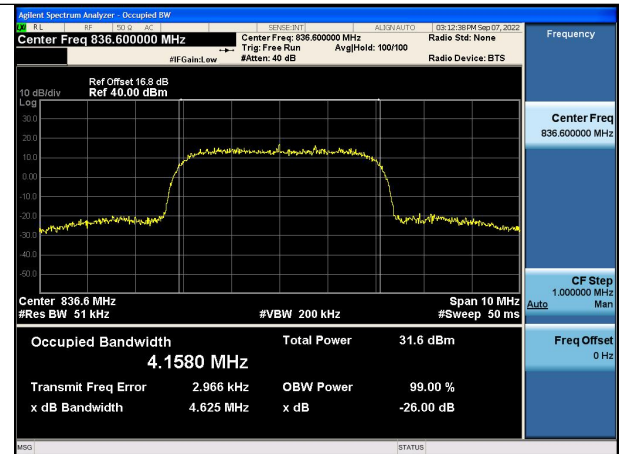


Channel 4233

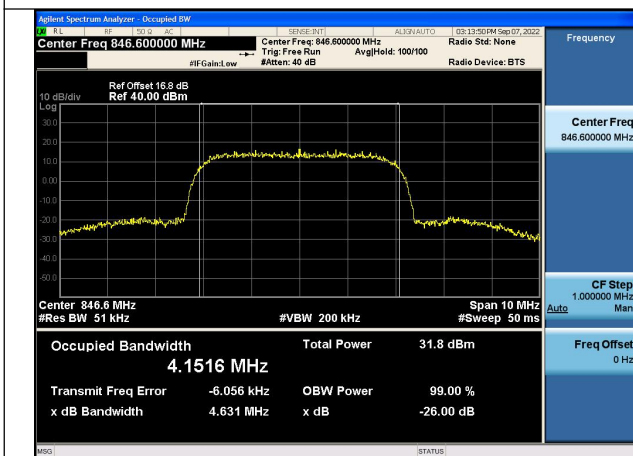
Test Mode: HSPA+



Channel 4132

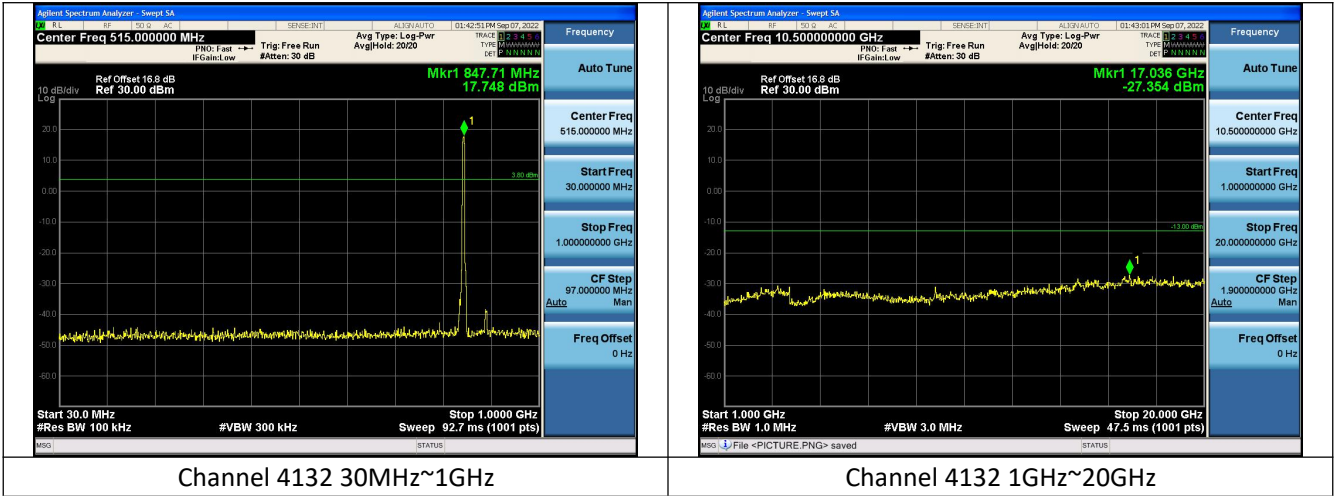


Channel 4183



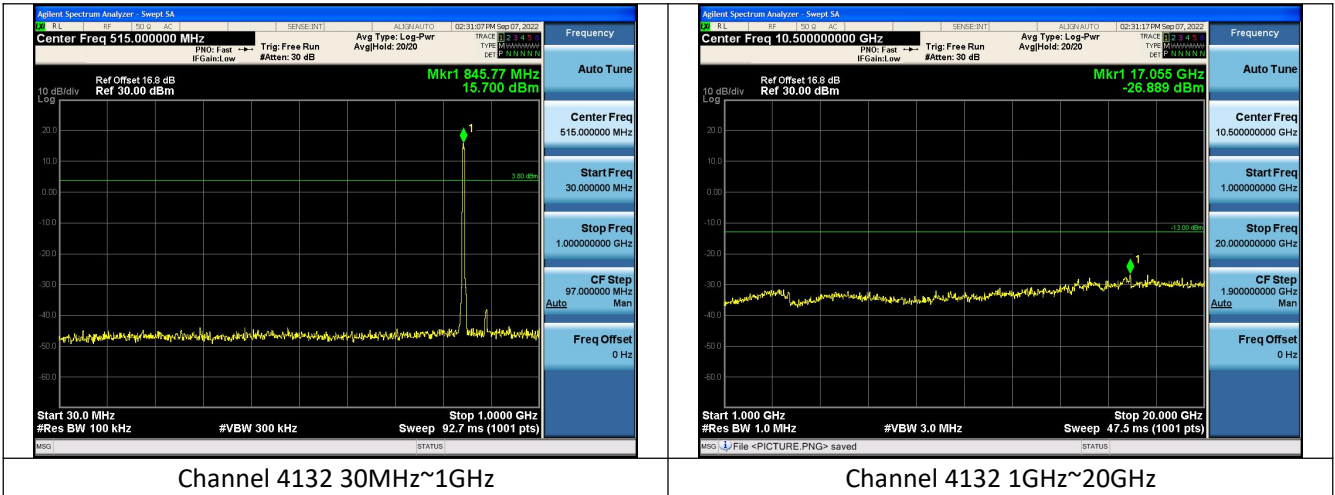
Channel 4233

**4. Spurious Emissions at antenna terminal**  
WCDMA band V  
Test Mode: Release 99



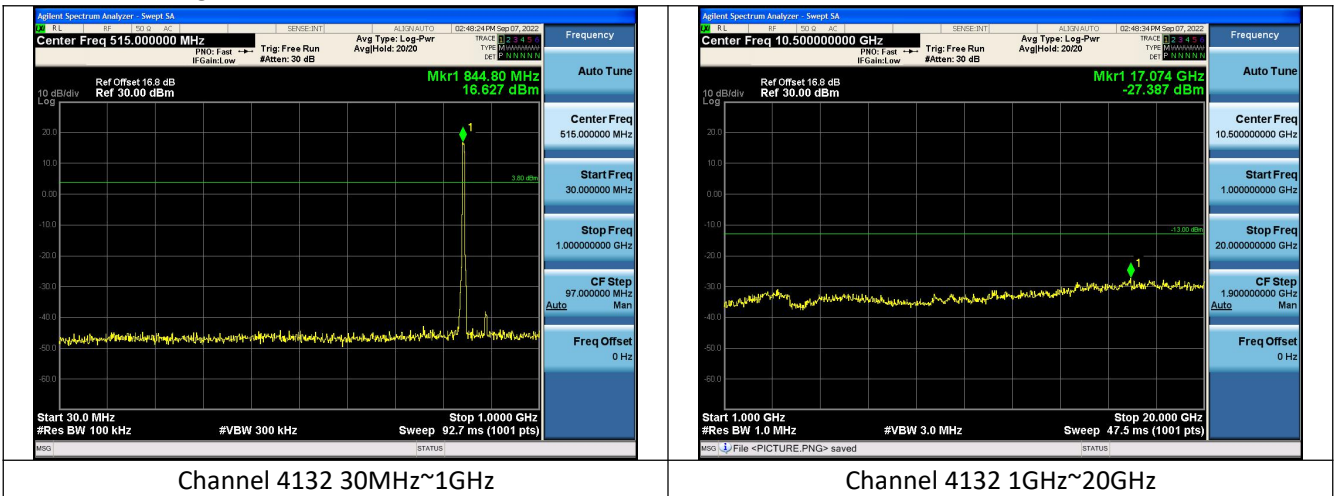
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA



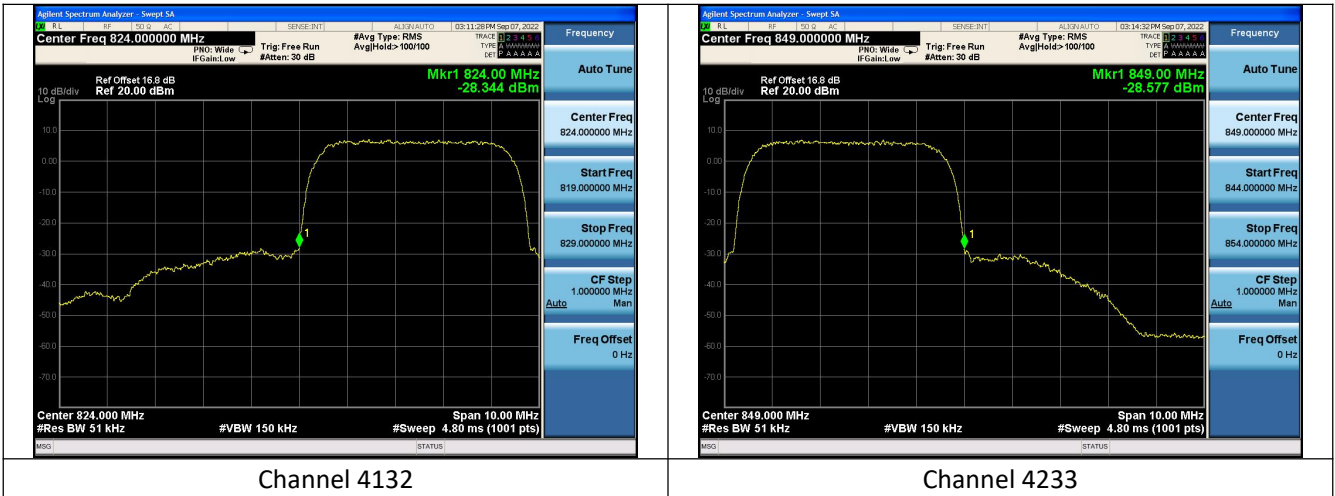
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSUPA

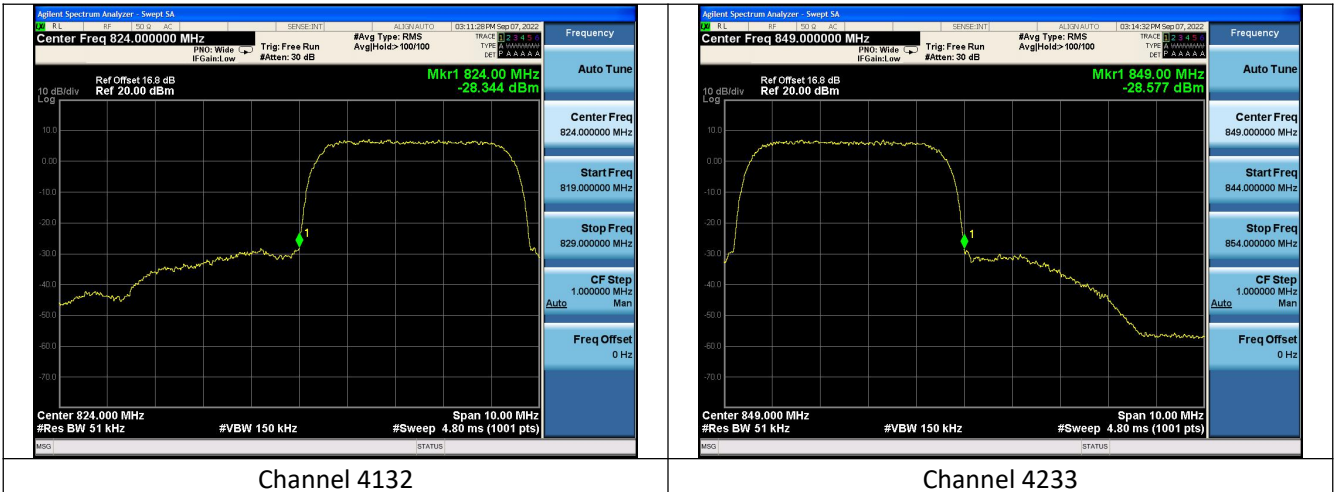


Note: The signal beyond the limit is the signal transmitted by EUT.

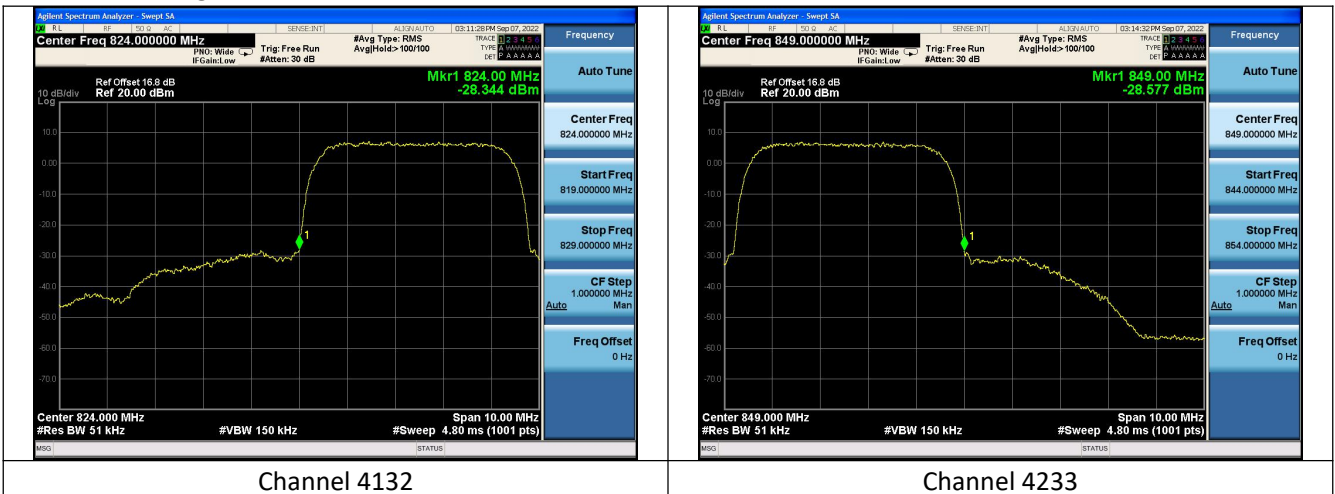
**5. Band Edges Compliance**  
WCDMA band V  
Test Mode: Release 99



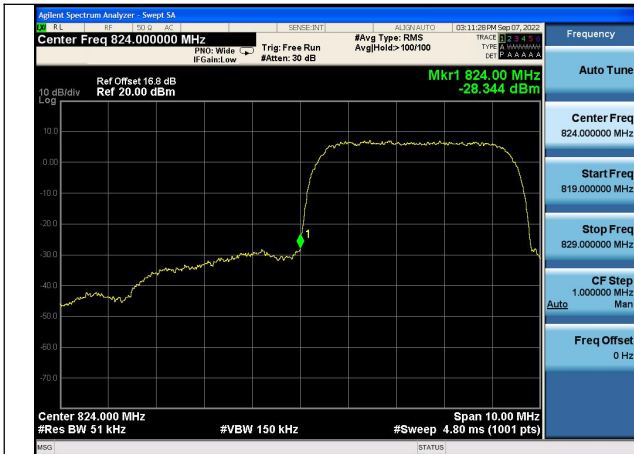
Test Mode: HSDPA



Test Mode: HSUPA



Test Mode: HSPA+



Channel 4132



Channel 4233

## 6. Frequency Stability

WCDMA band V

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-10	0.001	0.001	0.001
Release 99	-0	0.001	0.001	0.001
Release 99	+10	0.001	0.001	0.001
Release 99	+20	0.001	0.001	0.001
Release 99	+30	0.001	0.001	0.001
Release 99	+40	0.001	0.001	0.001
Release 99	+50	0.001	0.001	0.001
Release 99	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	0.001	0.001	0.001
Release 99	HV	0.001	0.001	0.001

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.001	0.001	0.001
Subtest1	-0	0.001	0.001	0.001
Subtest1	+10	0.001	0.001	0.001
Subtest1	+20	0.001	0.001	0.001
Subtest1	+30	0.001	0.001	0.001
Subtest1	+40	0.001	0.001	0.001
Subtest1	+50	0.001	0.001	0.001
Subtest1	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.001	0.001	0.001
Subtest1	HV	0.001	0.001	0.001

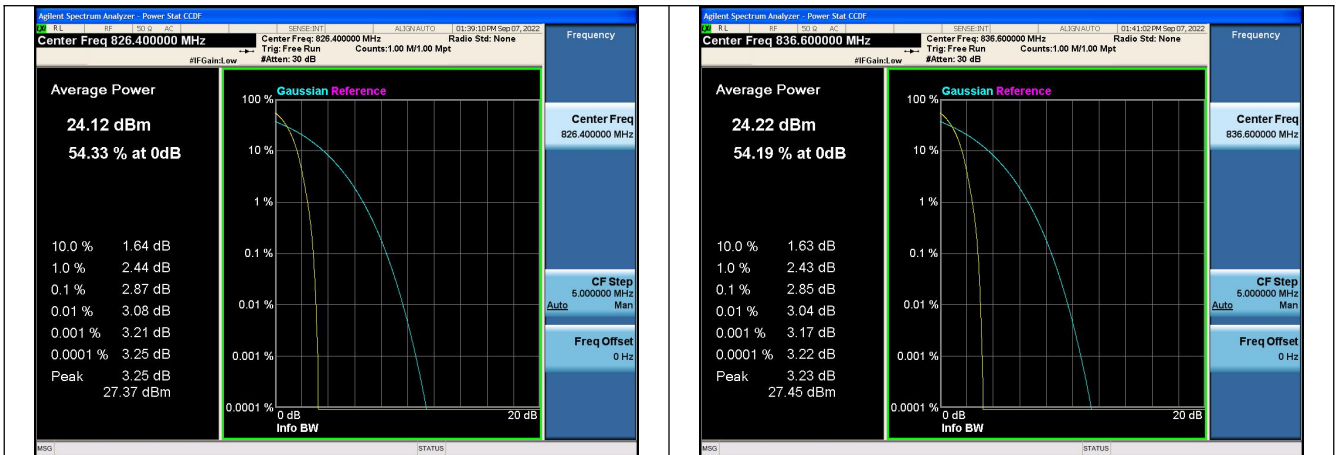
Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.001	0.001	0.001
Subtest1	-0	0.001	0.001	0.001
Subtest1	+10	0.001	0.001	0.001
Subtest1	+20	0.001	0.001	0.001
Subtest1	+30	0.001	0.001	0.001
Subtest1	+40	0.001	0.001	0.001
Subtest1	+50	0.001	0.001	0.001
Subtest1	+55	0.001	0.001	0.001
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.001	0.001	0.001
Subtest1	HV	0.001	0.001	0.001

### 7. Peak-Average Ratio

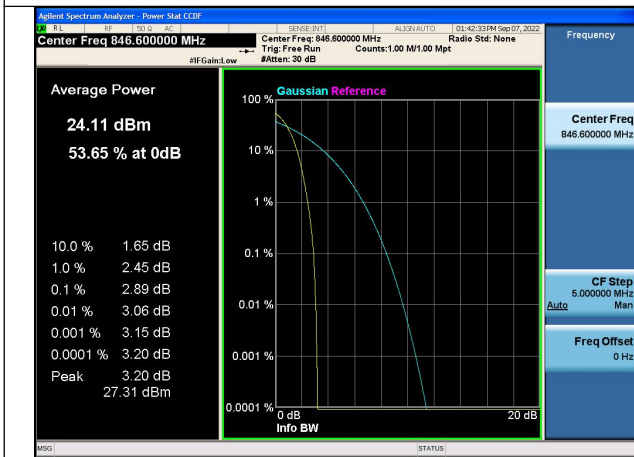
WCDMA band V

Test Mode: Release 99



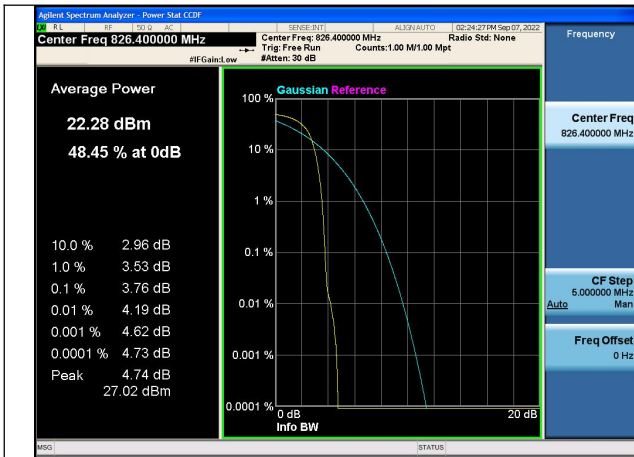
Channel 4132

Channel 4183

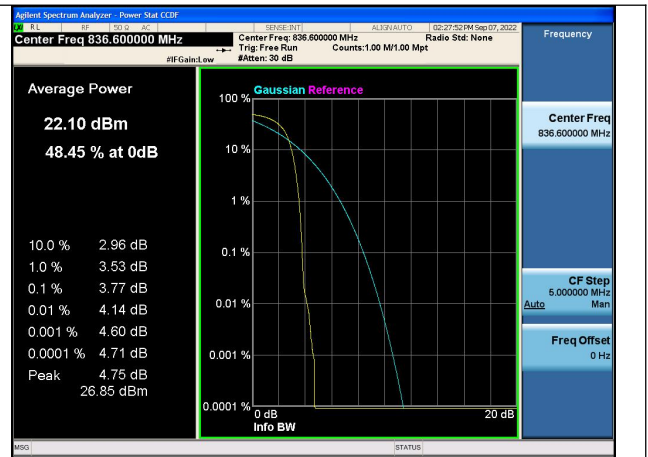


Channel 4233

Test Mode: HSDPA



Channel 4132



Channel 4183