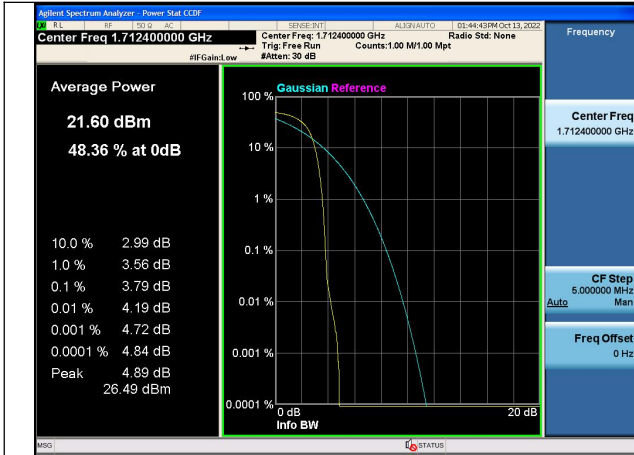


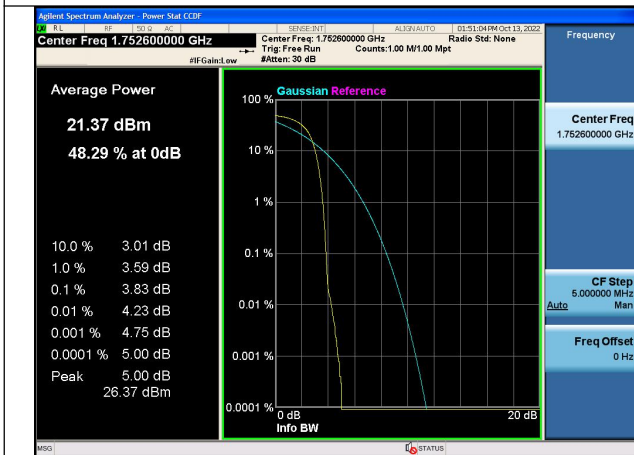
Test Mode: HSDPA



Channel 1312

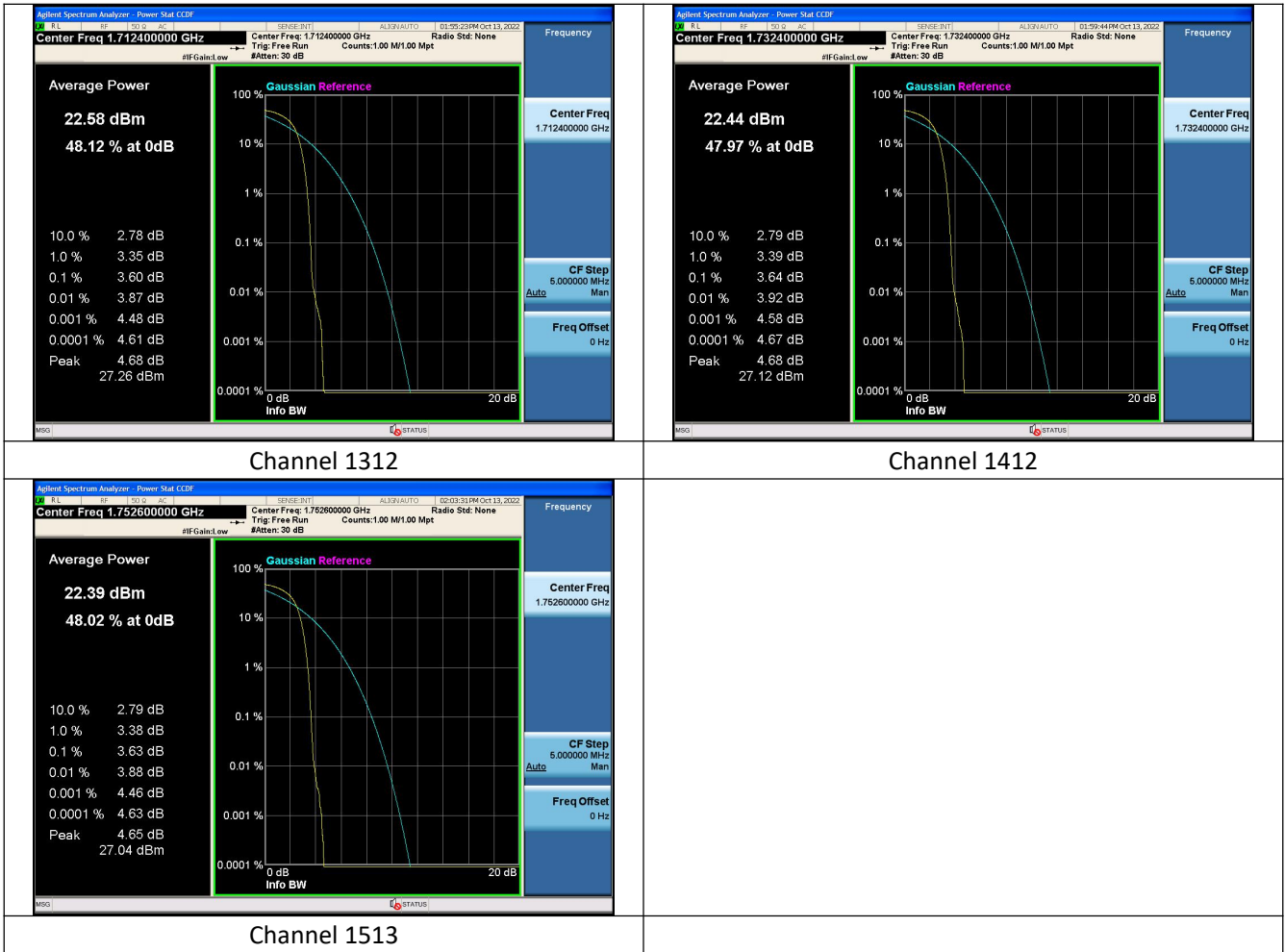


Channel 1412



Channel 1513

Test Mode: HSUPA



## 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	22.91	24.03	0.253
Release 99	RMC,12.2kbps	1732.6	1412	22.76	23.88	0.244
Release 99	RMC,12.2kbps	1752.6	1513	22.74	23.86	0.243

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1712.4	1312	21.35	22.47	0.177
HSDPA	Subtest1	1732.6	1412	21.04	22.16	0.164
HSDPA	Subtest1	1752.6	1513	20.96	22.08	0.161
HSDPA	Subtest2	1712.4	1312	21.72	22.84	0.192
HSDPA	Subtest2	1732.6	1412	21.43	22.55	0.180
HSDPA	Subtest2	1752.6	1513	21.28	22.40	0.174
HSDPA	Subtest3	1712.4	1312	21.65	22.77	0.189
HSDPA	Subtest3	1732.6	1412	21.40	22.52	0.179
HSDPA	Subtest3	1752.6	1513	21.28	22.40	0.174
HSDPA	Subtest4	1712.4	1312	21.63	22.75	0.188
HSDPA	Subtest4	1732.6	1412	21.44	22.56	0.180
HSDPA	Subtest4	1752.6	1513	21.29	22.41	0.174

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1712.4	1312	22.70	23.82	0.241
HSUPA	Subtest1	1732.6	1412	22.50	23.62	0.230
HSUPA	Subtest1	1752.6	1513	22.38	23.50	0.224
HSUPA	Subtest2	1712.4	1312	22.67	23.79	0.239
HSUPA	Subtest2	1732.6	1412	22.44	23.56	0.227
HSUPA	Subtest2	1752.6	1513	22.33	23.45	0.221
HSUPA	Subtest3	1712.4	1312	22.66	23.78	0.239
HSUPA	Subtest3	1732.6	1412	22.44	23.56	0.227
HSUPA	Subtest3	1752.6	1513	22.33	23.45	0.221
HSUPA	Subtest4	1712.4	1312	22.66	23.78	0.239
HSUPA	Subtest4	1732.6	1412	22.41	23.53	0.225
HSUPA	Subtest4	1752.6	1513	19.28	20.40	0.110
HSUPA	Subtest5	1712.4	1312	22.63	23.75	0.237
HSUPA	Subtest5	1732.6	1412	22.41	23.53	0.225
HSUPA	Subtest5	1752.6	1513	22.30	23.42	0.220

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1712.4	1312	22.75	23.87	0.244
HSPA+	QPSK	1732.6	1412	22.53	23.65	0.232
HSPA+	QPSK	1752.6	1513	21.31	22.43	0.175
HSPA+	16QAM	1712.4	1312	22.69	23.81	0.240
HSPA+	16QAM	1732.6	1412	22.48	23.60	0.229
HSPA+	16QAM	1752.6	1513	21.27	22.39	0.173

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1712.4	1312	21.28	22.40	0.174
DC-HSDPA	Subtest1	1732.6	1412	21.52	22.64	0.184
DC-HSDPA	Subtest1	1752.6	1513	21.37	22.49	0.177
DC-HSDPA	Subtest2	1712.4	1312	21.75	22.87	0.194
DC-HSDPA	Subtest2	1732.6	1412	21.54	22.66	0.185
DC-HSDPA	Subtest2	1752.6	1513	21.38	22.50	0.178
DC-HSDPA	Subtest3	1712.4	1312	21.69	22.81	0.191
DC-HSDPA	Subtest3	1732.6	1412	21.48	22.60	0.182
DC-HSDPA	Subtest3	1752.6	1513	21.34	22.46	0.176
DC-HSDPA	Subtest4	1712.4	1312	21.68	22.80	0.191
DC-HSDPA	Subtest4	1732.6	1412	21.47	22.59	0.182
DC-HSDPA	Subtest4	1752.6	1513	21.32	22.44	0.175

**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	23.16
Release 99	RMC, 12.2kbps	836.6	4183	23.18
Release 99	RMC, 12.2kbps	846.6	4233	23.12

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	826.4	4132	22.40
HSDPA	Subtest1	836.6	4183	22.62
HSDPA	Subtest1	846.6	4233	22.44
HSDPA	Subtest2	826.4	4132	22.15
HSDPA	Subtest2	836.6	4183	22.24
HSDPA	Subtest2	846.6	4233	22.14
HSDPA	Subtest3	826.4	4132	21.73
HSDPA	Subtest3	836.6	4183	21.73
HSDPA	Subtest3	846.6	4233	21.81
HSDPA	Subtest4	826.4	4132	21.61
HSDPA	Subtest4	836.6	4183	21.68
HSDPA	Subtest4	846.6	4233	21.62

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	826.4	4132	22.59
HSUPA	Subtest1	836.6	4183	22.60
HSUPA	Subtest1	846.6	4233	22.81
HSUPA	Subtest2	826.4	4132	23.03
HSUPA	Subtest2	836.6	4183	22.96
HSUPA	Subtest2	846.6	4233	22.94
HSUPA	Subtest3	826.4	4132	22.35
HSUPA	Subtest3	836.6	4183	22.08
HSUPA	Subtest3	846.6	4233	22.40
HSUPA	Subtest4	826.4	4132	23.08
HSUPA	Subtest4	836.6	4183	23.22
HSUPA	Subtest4	846.6	4233	23.04
HSUPA	Subtest5	826.4	4132	22.75
HSUPA	Subtest5	836.6	4183	22.85
HSUPA	Subtest5	846.6	4233	21.87

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	826.4	4132	22.45
HSPA+	QPSK	836.6	4183	22.84
HSPA+	QPSK	846.6	4233	22.55
HSPA+	16QAM	826.4	4132	22.65
HSPA+	16QAM	836.6	4183	22.71
HSPA+	16QAM	846.6	4233	22.47

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	826.4	4132	22.25
DC-HSDPA	Subtest1	836.6	4183	21.68
DC-HSDPA	Subtest1	846.6	4233	21.70
DC-HSDPA	Subtest2	826.4	4132	22.16
DC-HSDPA	Subtest2	836.6	4183	22.32
DC-HSDPA	Subtest2	846.6	4233	22.17
DC-HSDPA	Subtest3	826.4	4132	21.76
DC-HSDPA	Subtest3	836.6	4183	21.83
DC-HSDPA	Subtest3	846.6	4233	21.77
DC-HSDPA	Subtest4	826.4	4132	21.65
DC-HSDPA	Subtest4	836.6	4183	21.72
DC-HSDPA	Subtest4	846.6	4233	21.66

## 2. Occupied Bandwidth

WCDMA band V

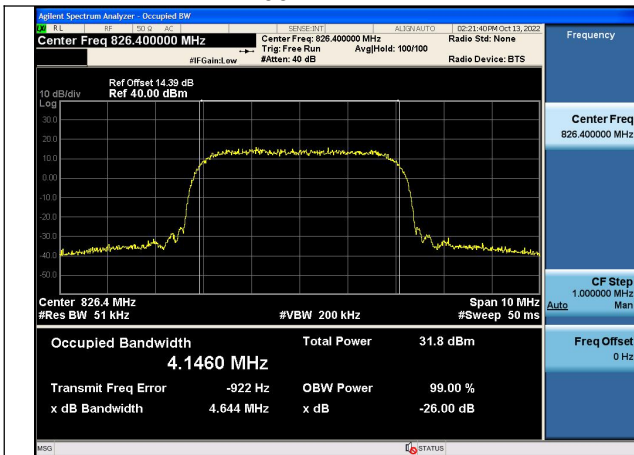
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.15
Release 99	836.6	4183	4.14
Release 99	846.6	4233	4.15

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	826.4	4132	4.14
HSDPA	836.6	4183	4.13
HSDPA	846.6	4233	4.14

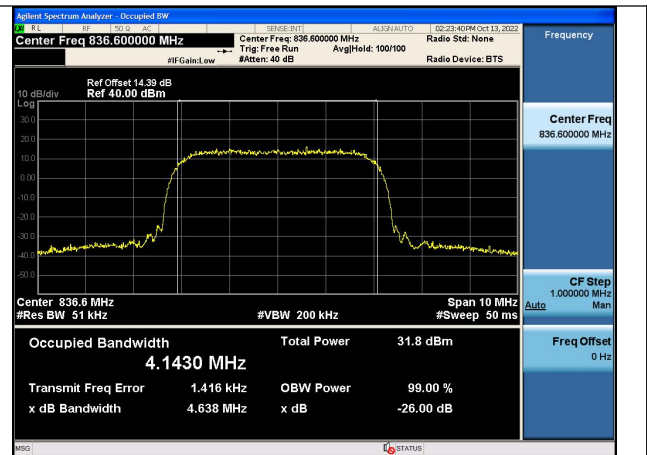
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.14
HSUPA	836.6	4183	4.15
HSUPA	846.6	4233	4.15

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	826.4	4132	4.14
HSPA+	836.6	4183	4.13
HSPA+	846.6	4233	4.14

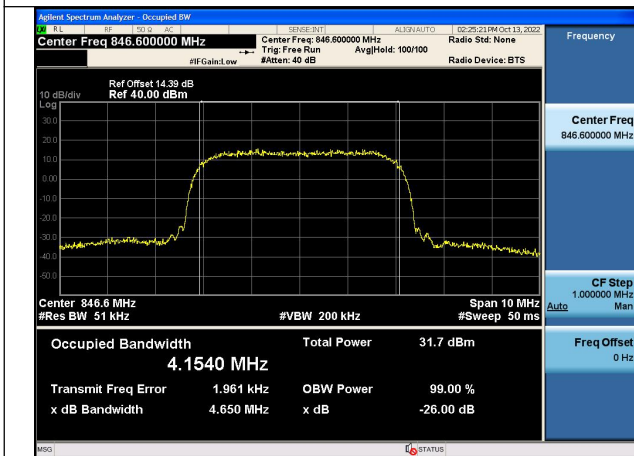
WCDMA band V  
Test Mode: Release 99



Channel 4132



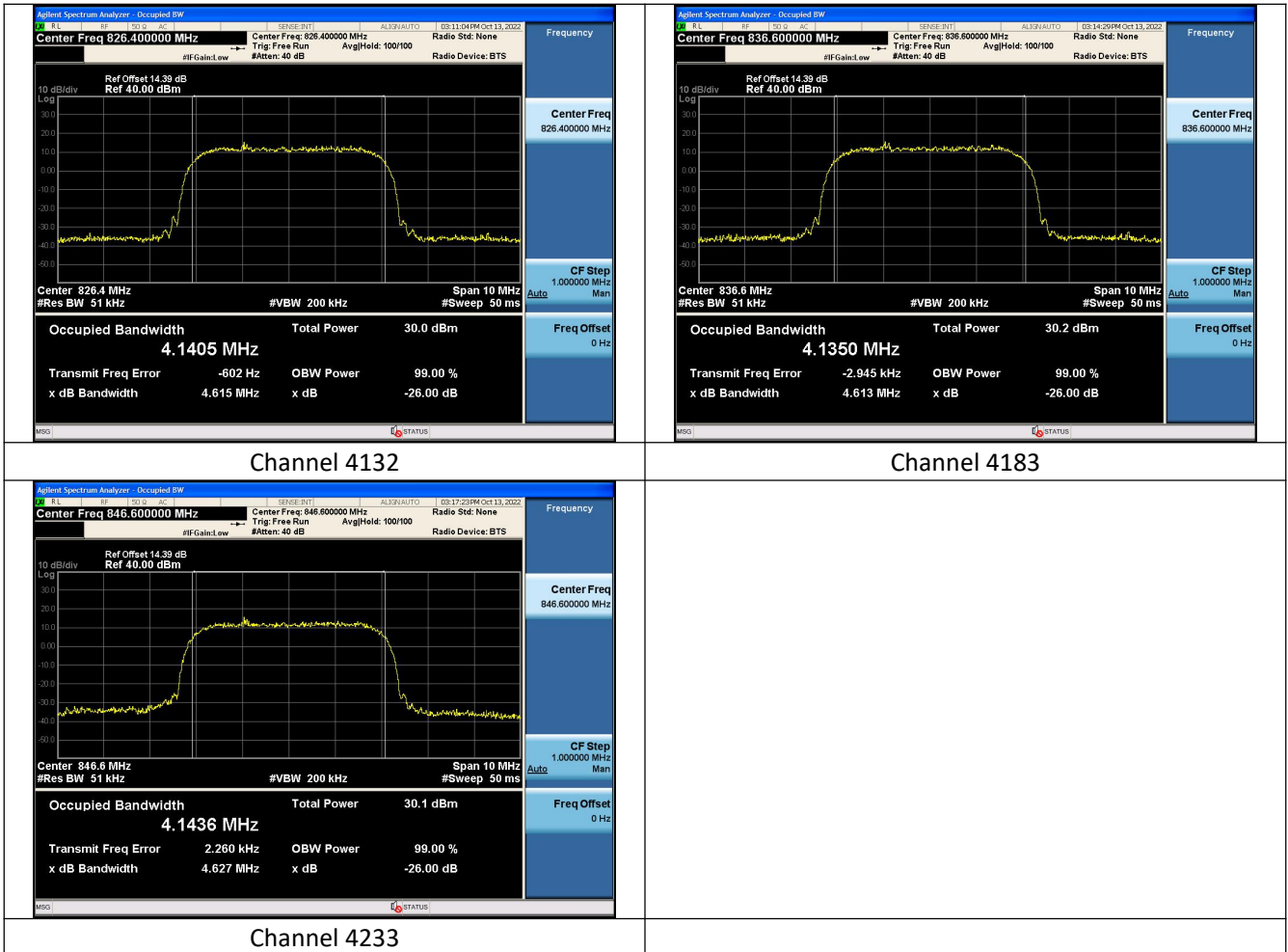
Channel 4183



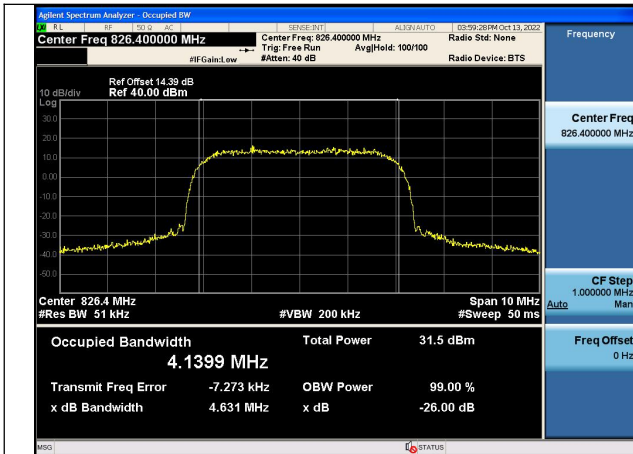
Channel 4233



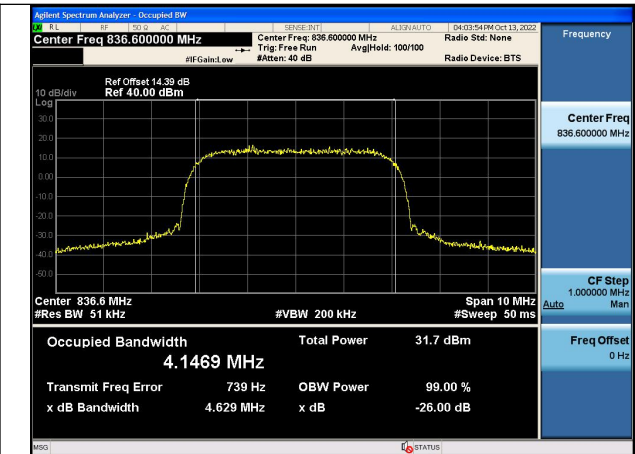
Test Mode: HSDPA



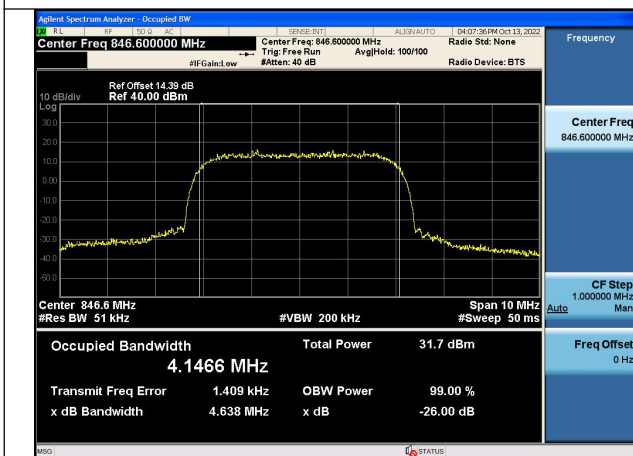
Test Mode: HSUPA



Channel 4132

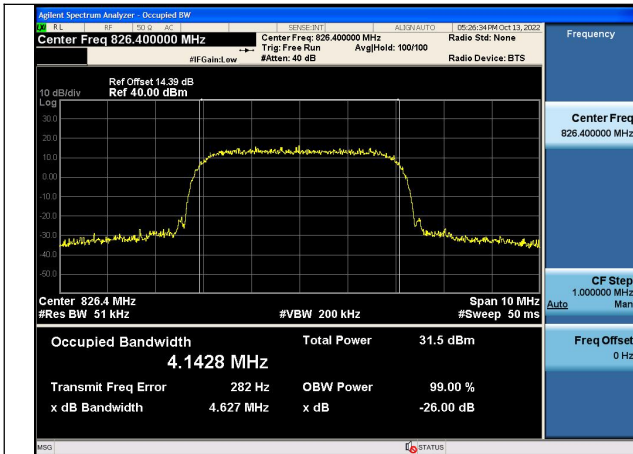


Channel 4183

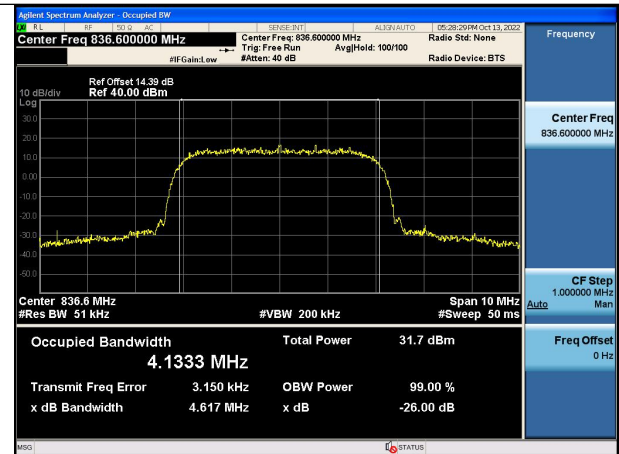


Channel 4233

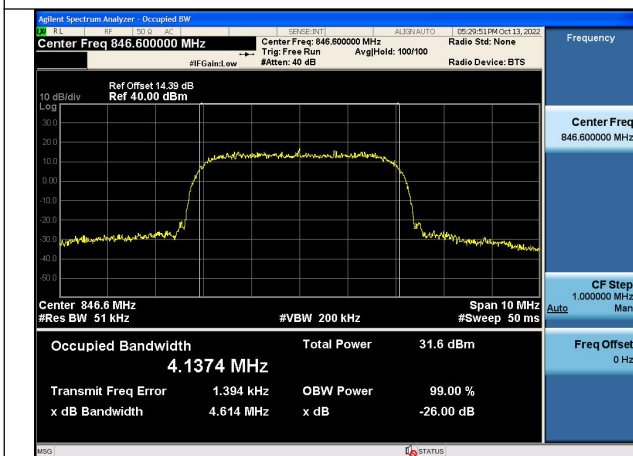
Test Mode: HSPA+



Channel 4132



Channel 4183



Channel 4233

### 3. Emission Bandwidth

WCDMA band V

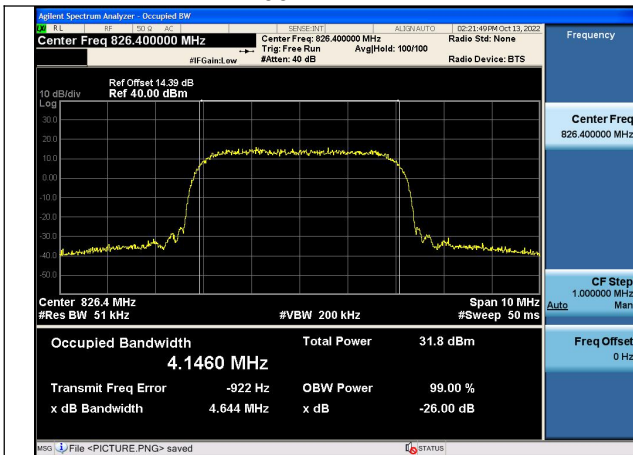
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.64
Release 99	836.6	4183	4.64
Release 99	846.6	4233	4.65

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.62
HSDPA	836.6	4183	4.61
HSDPA	846.6	4233	4.63

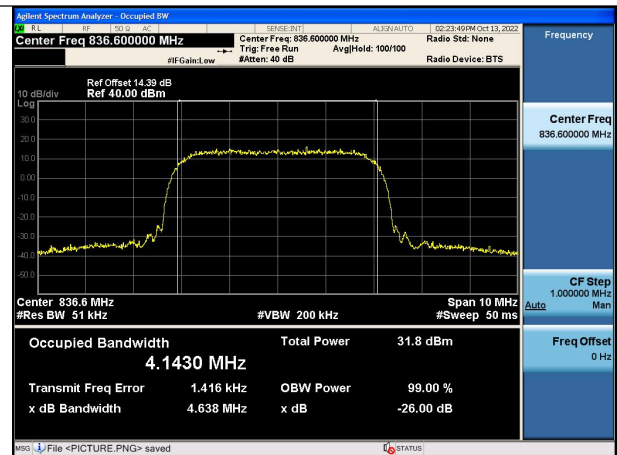
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.63
HSUPA	836.6	4183	4.63
HSUPA	846.6	4233	4.64

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	826.4	4132	4.63
HSPA+	836.6	4183	4.62
HSPA+	846.6	4233	4.61

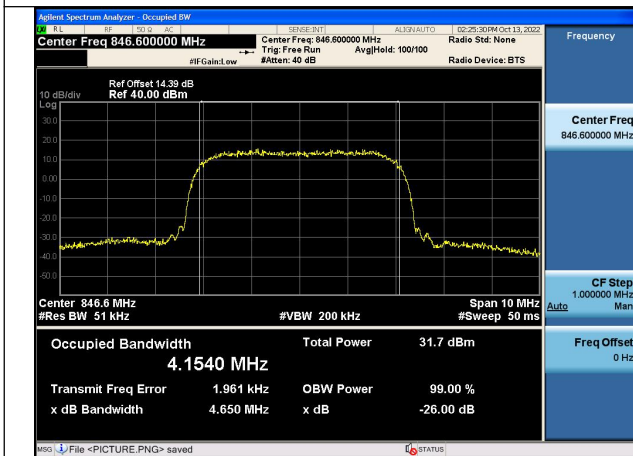
WCDMA band V  
Test Mode: Release 99



Channel 4132

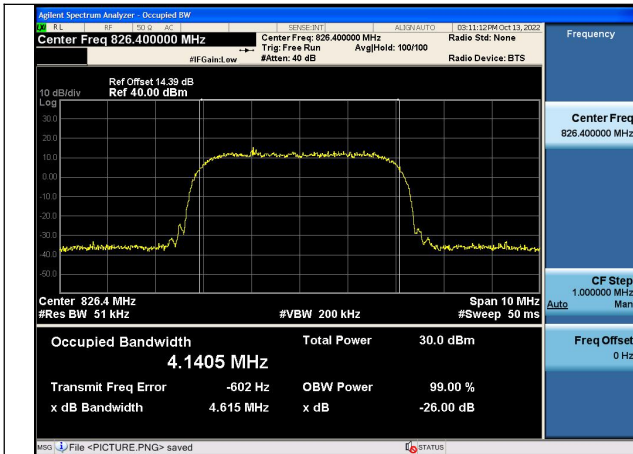


Channel 4183

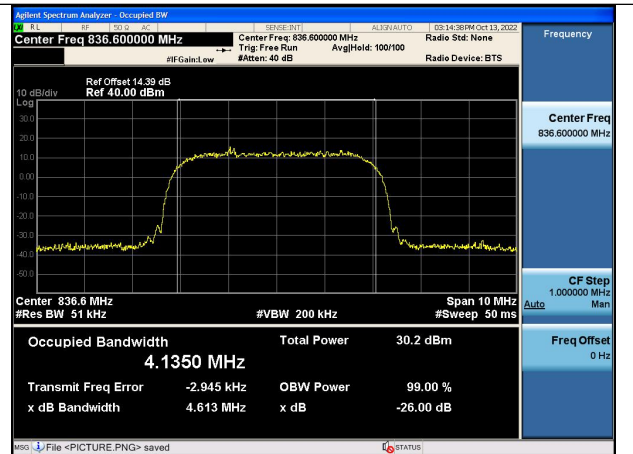


Channel 4233

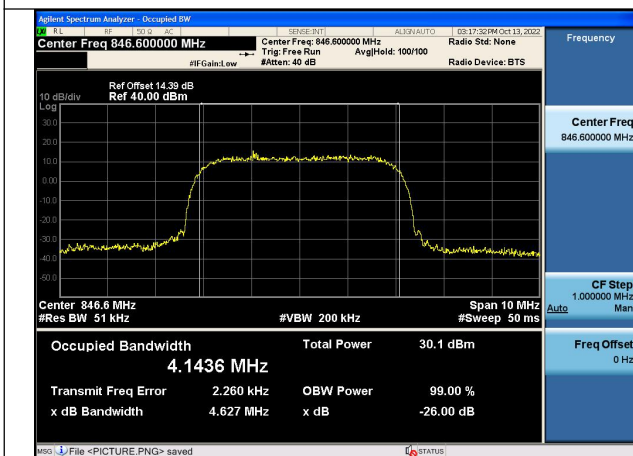
Test Mode: HSDPA



Channel 4132

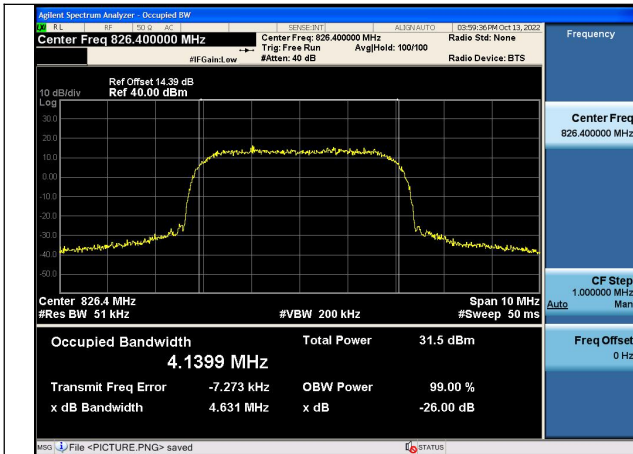


Channel 4183

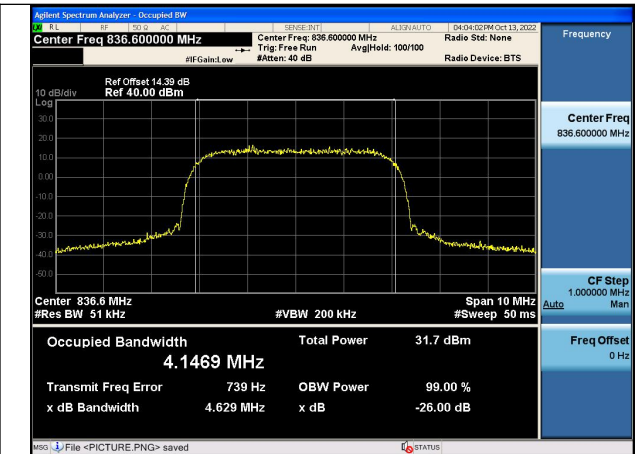


Channel 4233

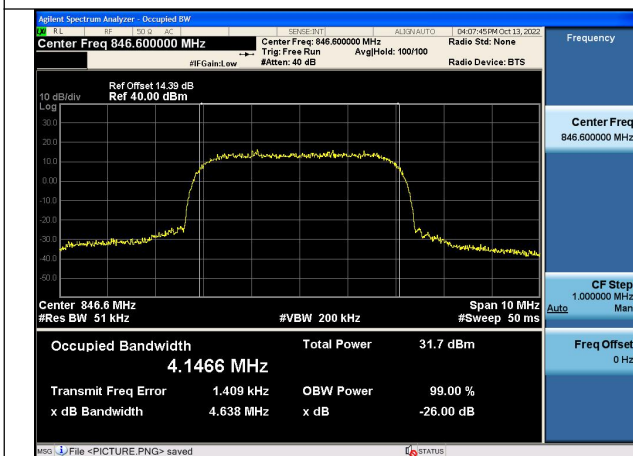
Test Mode: HSUPA



Channel 4132

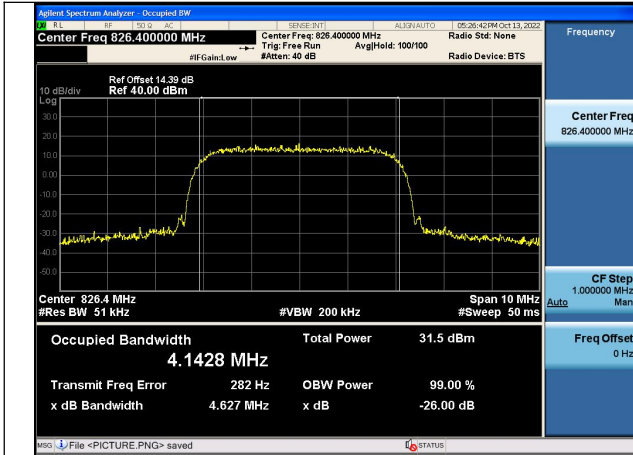


Channel 4183

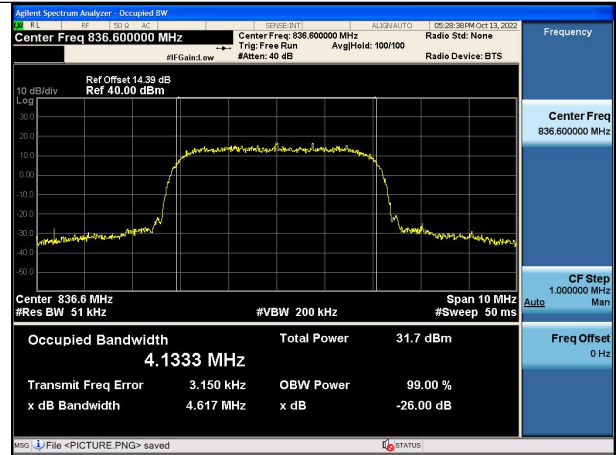


Channel 4233

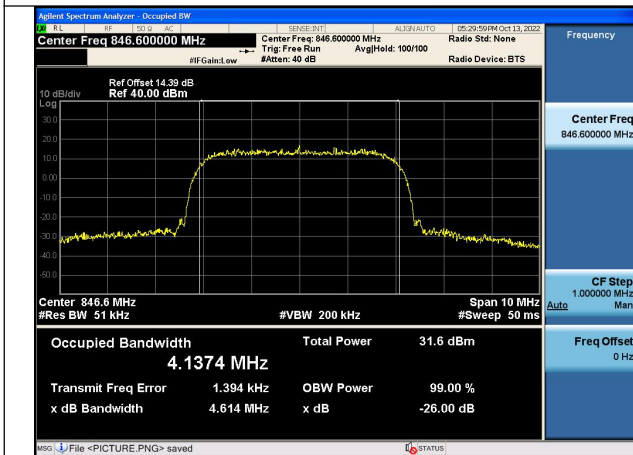
Test Mode: HSPA+



Channel 4132



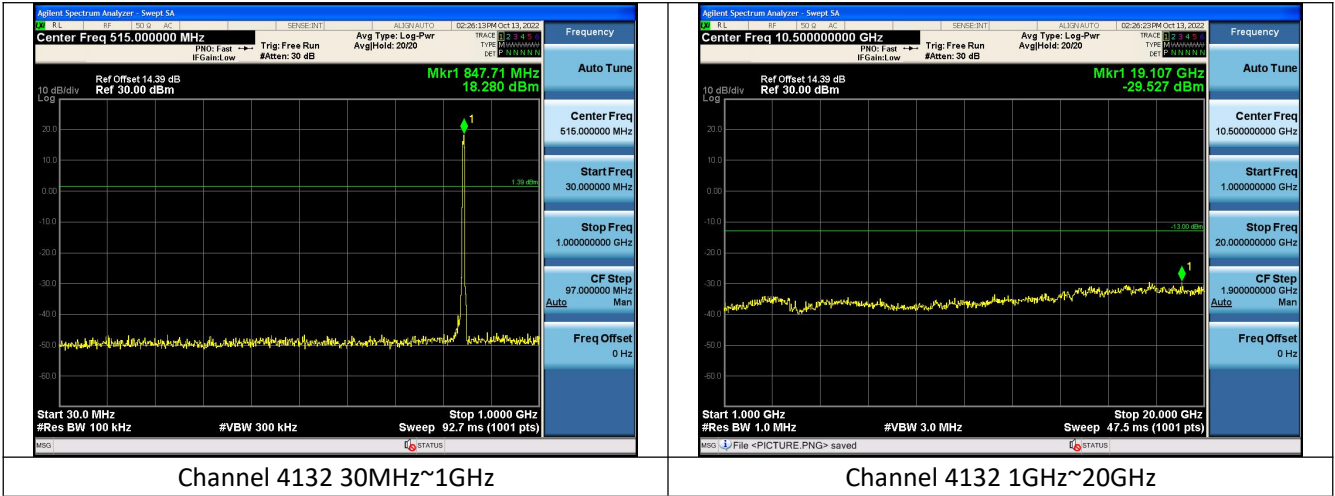
Channel 4183



Channel 4233

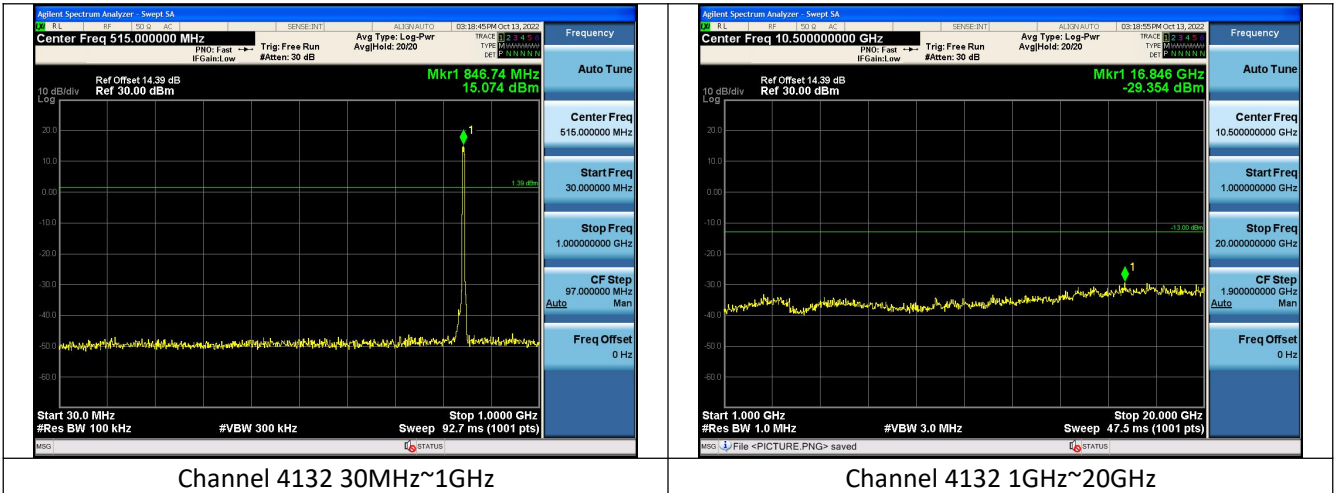


**4. Spurious Emissions at antenna terminal**  
WCDMA band V  
Test Mode: Release 99



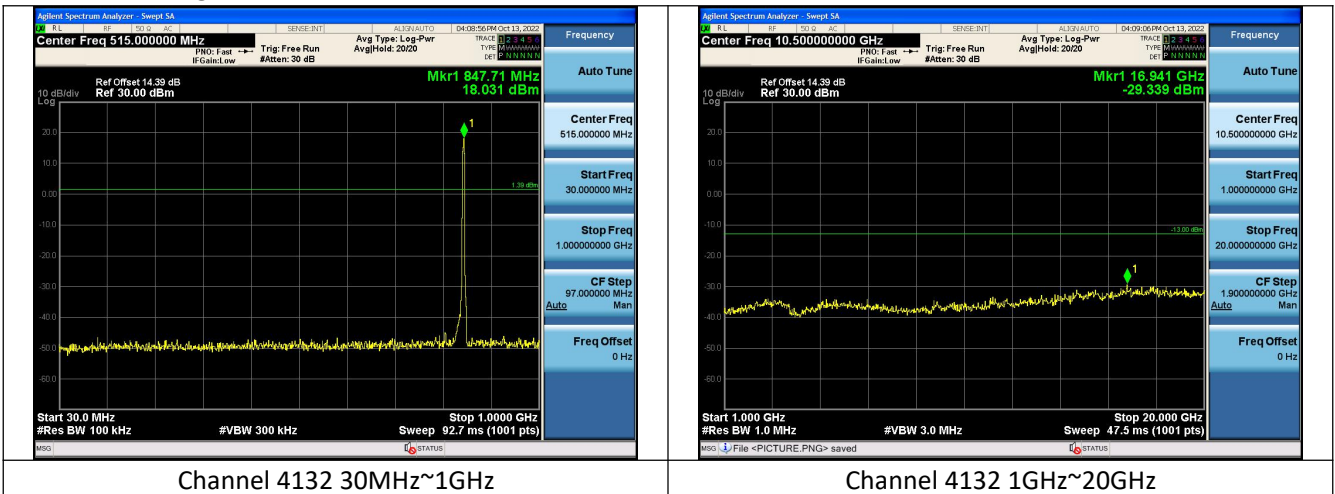
Note: The signal beyond the limit is the signal transmitted by EUT.

Test Mode: HSDPA



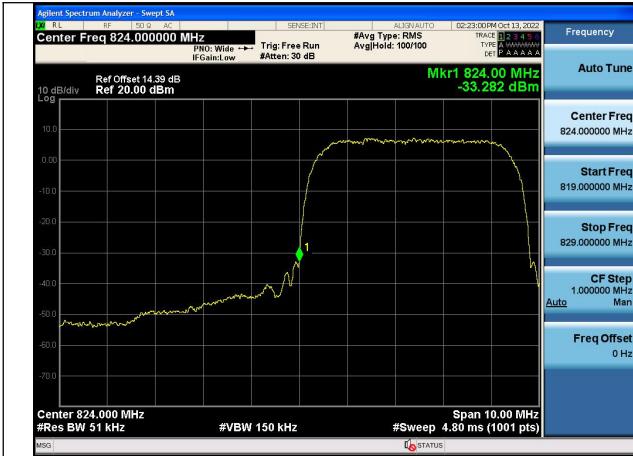
Note: The signal beyond the limit is the signal transmitted by EUT.

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

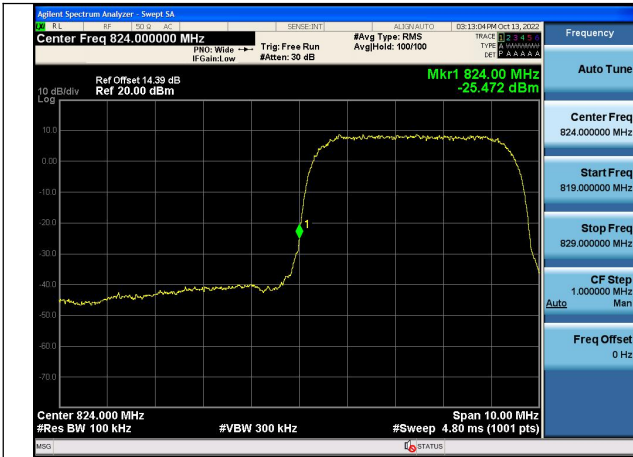


Channel 4132

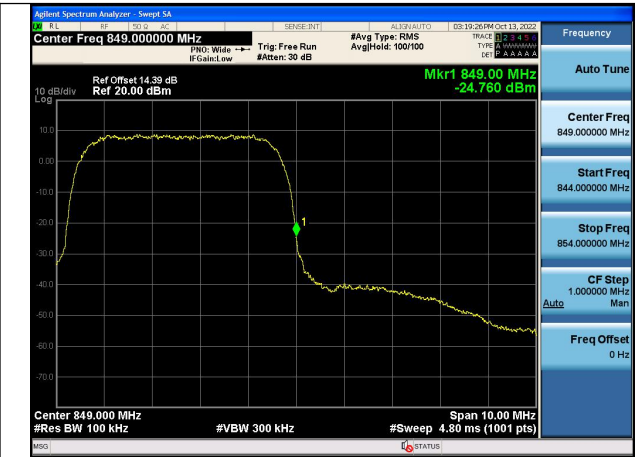


Channel 4233

Test Mode: HSDPA



Channel 4132

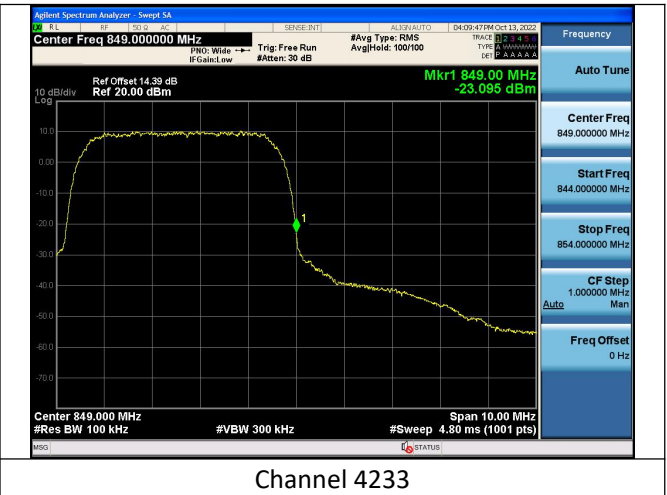


Channel 4233

Test Mode: HSUPA



Channel 4132



Channel 4233

Test Mode: HSPA+



Channel 4132



Channel 4233

## 6. Frequency Stability

WCDMA band V

Test Mode: Release 99

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	-20	0.004	-0.001	0.001
Release 99	-10	0.005	-0.005	0.003
Release 99	-0	0.003	-0.002	0.001
Release 99	+10	0.005	-0.004	0.004
Release 99	+20	0.001	-0.001	0.001
Release 99	+30	0.007	-0.001	0.001
Release 99	+40	0.002	0.002	0.005
Release 99	+50	0.002	0.004	0.002
Release 99	+60	0.006	-0.001	0.002
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	-0.001	-0.001	0.005
Release 99	HV	0.000	-0.001	0.002

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-20	0.001	0.006	0.001
Subtest1	-10	0.001	0.004	0.003
Subtest1	-0	0.001	0.006	0.004
Subtest1	+10	0.002	-0.003	0.002
Subtest1	+20	0.004	-0.001	0.006
Subtest1	+30	0.005	0.003	0.003
Subtest1	+40	0.001	-0.001	-0.003
Subtest1	+50	0.001	-0.001	-0.001
Subtest1	+60	0.005	0.002	0.003
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.001	-0.001	0.002
Subtest1	HV	0.002	-0.001	0.007

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-20	-0.001	0.001	0.000
Subtest1	-10	-0.001	0.001	0.001
Subtest1	-0	0.000	0.000	0.000
Subtest1	+10	-0.001	0.000	0.000
Subtest1	+20	0.000	0.001	0.000
Subtest1	+30	-0.001	0.000	0.001
Subtest1	+40	-0.001	0.001	0.000
Subtest1	+50	-0.001	0.000	0.000
Subtest1	+60	-0.001	0.001	0.000
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.000	0.000	0.000
Subtest1	HV	-0.001	0.001	0.000