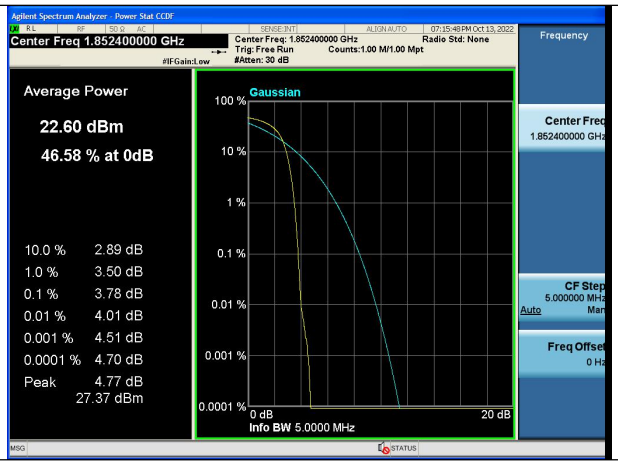
Test Mode: HSUPA



Channel 9262

Channel 9400

Channel 9538

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band II

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	1852.4	9262	22.82	23.71	0.235
Release 99	RMC,12.2kbps	1880	9400	22.70	23.59	0.229
Release 99	RMC,12.2kbps	1907.6	9538	22.74	23.63	0.231

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	1852.4	9262	22.99	23.88	0.244
HSDPA	Subtest1	1880	9400	22.83	23.72	0.236
HSDPA	Subtest1	1907.6	9538	22.80	23.69	0.234
HSDPA	Subtest2	1852.4	9262	22.56	23.45	0.221
HSDPA	Subtest2	1880	9400	22.40	23.29	0.213
HSDPA	Subtest2	1907.6	9538	22.35	23.24	0.211
HSDPA	Subtest3	1852.4	9262	22.73	23.62	0.230
HSDPA	Subtest3	1880	9400	22.54	23.43	0.220
HSDPA	Subtest3	1907.6	9538	22.54	23.43	0.220
HSDPA	Subtest4	1852.4	9262	22.37	23.26	0.212
HSDPA	Subtest4	1880	9400	22.19	23.08	0.203
HSDPA	Subtest4	1907.6	9538	22.22	23.11	0.205

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	1852.4	9262	22.63	23.52	0.225
HSUPA	Subtest1	1880	9400	22.47	23.36	0.217
HSUPA	Subtest1	1907.6	9538	22.39	23.28	0.213
HSUPA	Subtest2	1852.4	9262	22.76	23.65	0.232
HSUPA	Subtest2	1880	9400	22.61	23.50	0.224
HSUPA	Subtest2	1907.6	9538	22.36	23.25	0.211
HSUPA	Subtest3	1852.4	9262	21.66	22.55	0.180
HSUPA	Subtest3	1880	9400	21.98	22.87	0.194
HSUPA	Subtest3	1907.6	9538	21.41	22.30	0.170
HSUPA	Subtest4	1852.4	9262	20.96	21.85	0.153
HSUPA	Subtest4	1880	9400	22.70	23.59	0.229
HSUPA	Subtest4	1907.6	9538	22.61	23.50	0.224
HSUPA	Subtest5	1852.4	9262	22.41	23.30	0.214
HSUPA	Subtest5	1880	9400	22.27	23.16	0.207
HSUPA	Subtest5	1907.6	9538	22.27	23.16	0.207

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSPA+	QPSK	1852.4	9262	22.38	23.27	0.212
HSPA+	QPSK	1880	9400	22.14	23.03	0.201
HSPA+	QPSK	1907.6	9538	22.38	23.27	0.212
HSPA+	16QAM	1852.4	9262	22.27	23.16	0.207
HSPA+	16QAM	1880	9400	21.97	22.86	0.193
HSPA+	16QAM	1907.6	9538	22.13	23.02	0.200

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
DC-HSDPA	Subtest1	1852.4	9262	23.03	23.92	0.247
DC-HSDPA	Subtest1	1880	9400	22.36	23.25	0.211
DC-HSDPA	Subtest1	1907.6	9538	22.78	23.67	0.233
DC-HSDPA	Subtest2	1852.4	9262	22.70	23.59	0.229
DC-HSDPA	Subtest2	1880	9400	22.49	23.38	0.218
DC-HSDPA	Subtest2	1907.6	9538	22.39	23.28	0.213
DC-HSDPA	Subtest3	1852.4	9262	22.81	23.70	0.234
DC-HSDPA	Subtest3	1880	9400	22.61	23.50	0.224
DC-HSDPA	Subtest3	1907.6	9538	22.57	23.46	0.222
DC-HSDPA	Subtest4	1852.4	9262	22.45	23.34	0.216
DC-HSDPA	Subtest4	1880	9400	22.26	23.15	0.207
DC-HSDPA	Subtest4	1907.6	9538	22.22	23.11	0.205

1. RF Power Output

WCDMA band IV

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
Release 99	RMC,12.2kbps	1712.4	1312	22.91
Release 99	RMC,12.2kbps	1732.6	1412	22.76
Release 99	RMC,12.2kbps	1752.6	1513	22.74

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSDPA	Subtest1	1712.4	1312	21.35
HSDPA	Subtest1	1732.6	1412	21.04
HSDPA	Subtest1	1752.6	1513	20.96
HSDPA	Subtest2	1712.4	1312	21.72
HSDPA	Subtest2	1732.6	1412	21.43
HSDPA	Subtest2	1752.6	1513	21.28
HSDPA	Subtest3	1712.4	1312	21.65
HSDPA	Subtest3	1732.6	1412	21.40
HSDPA	Subtest3	1752.6	1513	21.28
HSDPA	Subtest4	1712.4	1312	21.63
HSDPA	Subtest4	1732.6	1412	21.44
HSDPA	Subtest4	1752.6	1513	21.29

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSUPA	Subtest1	1712.4	1312	22.70
HSUPA	Subtest1	1732.6	1412	22.50
HSUPA	Subtest1	1752.6	1513	22.38
HSUPA	Subtest2	1712.4	1312	22.67
HSUPA	Subtest2	1732.6	1412	22.44
HSUPA	Subtest2	1752.6	1513	22.33
HSUPA	Subtest3	1712.4	1312	22.66
HSUPA	Subtest3	1732.6	1412	22.44
HSUPA	Subtest3	1752.6	1513	22.33
HSUPA	Subtest4	1712.4	1312	22.66
HSUPA	Subtest4	1732.6	1412	22.41
HSUPA	Subtest4	1752.6	1513	19.28
HSUPA	Subtest5	1712.4	1312	22.63
HSUPA	Subtest5	1732.6	1412	22.41
HSUPA	Subtest5	1752.6	1513	22.30

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
HSPA+	QPSK	1712.4	1312	22.75
HSPA+	QPSK	1732.6	1412	22.53
HSPA+	QPSK	1752.6	1513	21.31
HSPA+	16QAM	1712.4	1312	22.69
HSPA+	16QAM	1732.6	1412	22.48
HSPA+	16QAM	1752.6	1513	21.27

Mode		Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
DC-HSDPA	Subtest1	1712.4	1312	21.28
DC-HSDPA	Subtest1	1732.6	1412	21.52
DC-HSDPA	Subtest1	1752.6	1513	21.37
DC-HSDPA	Subtest2	1712.4	1312	21.75
DC-HSDPA	Subtest2	1732.6	1412	21.54
DC-HSDPA	Subtest2	1752.6	1513	21.38
DC-HSDPA	Subtest3	1712.4	1312	21.69
DC-HSDPA	Subtest3	1732.6	1412	21.48
DC-HSDPA	Subtest3	1752.6	1513	21.34
DC-HSDPA	Subtest4	1712.4	1312	21.68
DC-HSDPA	Subtest4	1732.6	1412	21.47
DC-HSDPA	Subtest4	1752.6	1513	21.32

2. Occupied Bandwidth

WCDMA band IV

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	1712.4	1312	4.15
Release 99	1732.6	1412	4.14
Release 99	1752.6	1513	4.15

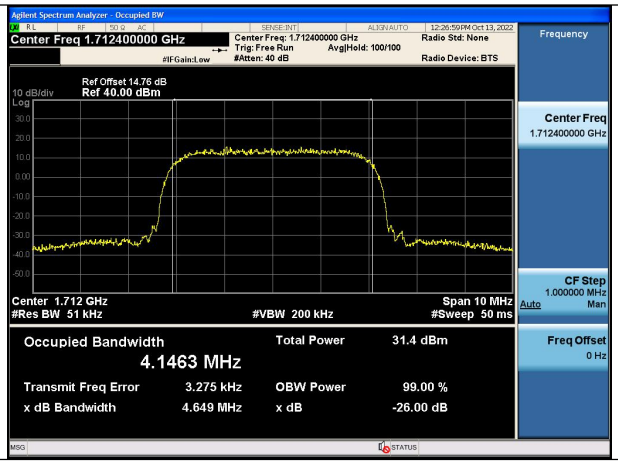
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSDPA	1712.4	1312	4.15
HSDPA	1732.6	1412	4.15
HSDPA	1752.6	1513	4.15

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	1712.4	1312	4.15
HSUPA	1732.6	1412	4.14
HSUPA	1752.6	1513	4.15

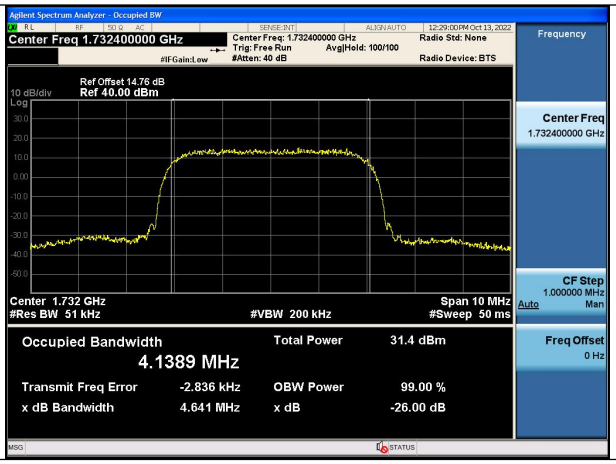
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSPA+	1712.4	1312	4.15
HSPA+	1732.6	1412	4.16
HSPA+	1752.6	1513	4.13

WCDMA band IV

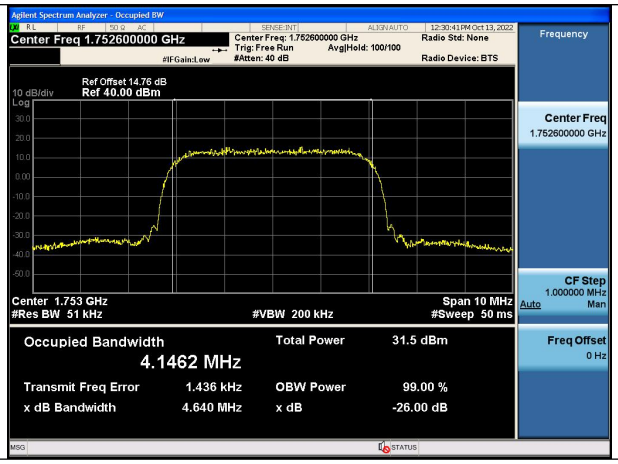
Test Mode: Release 99



Channel 1312

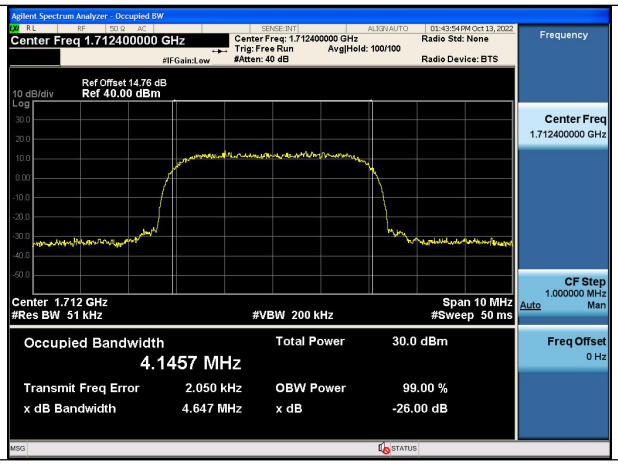


Channel 1412

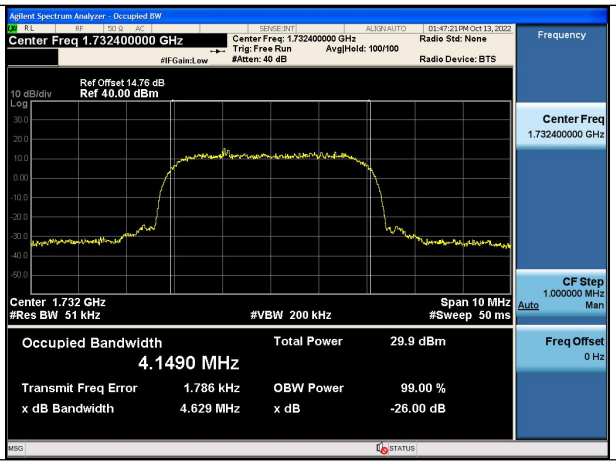


Channel 1513

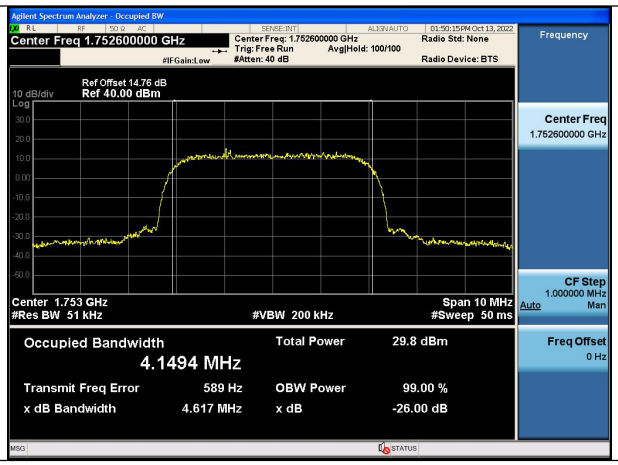
Test Mode: HSDPA



Channel 1312

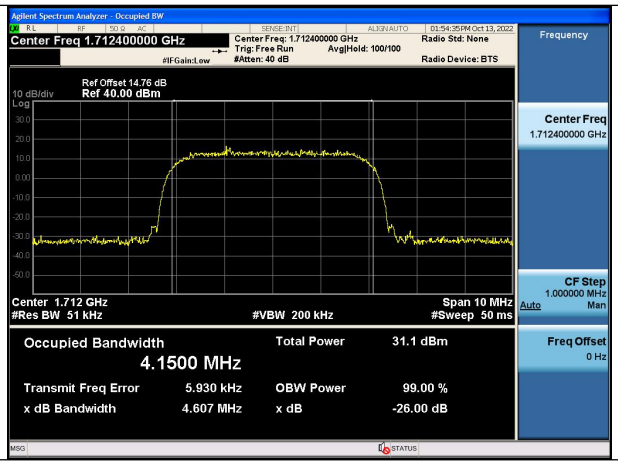


Channel 1412

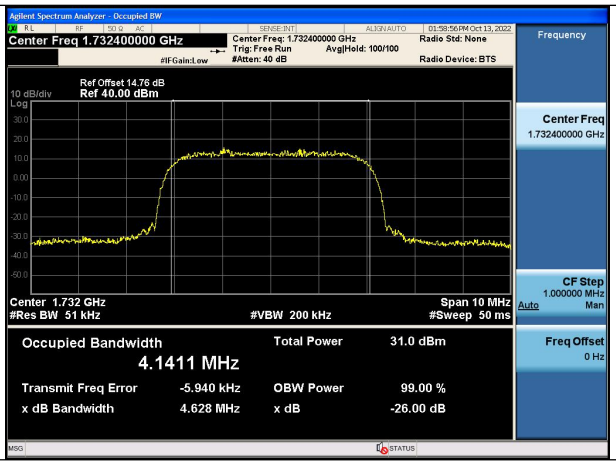


Channel 1513

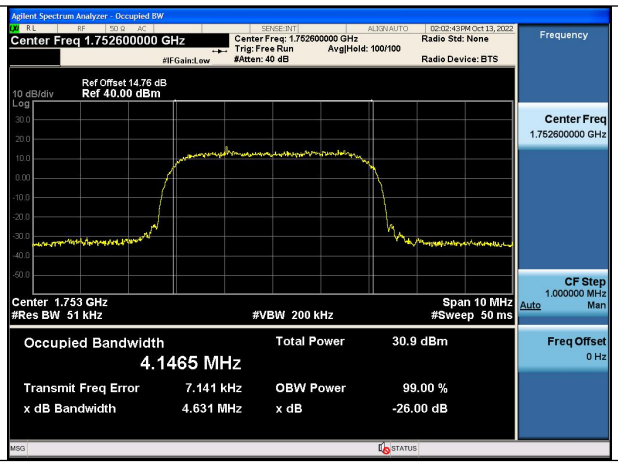
Test Mode: HSUPA



Channel 1312

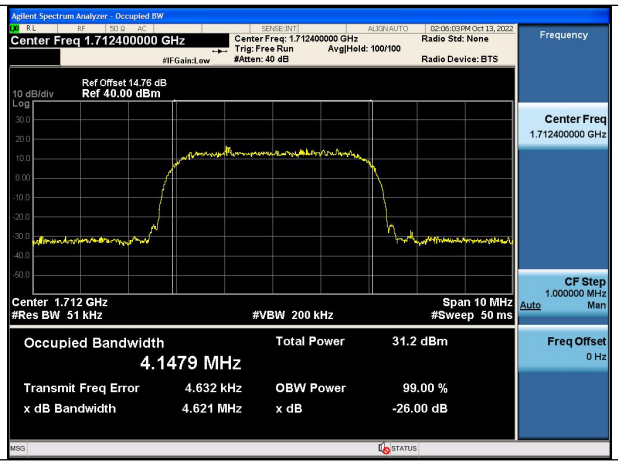


Channel 1412

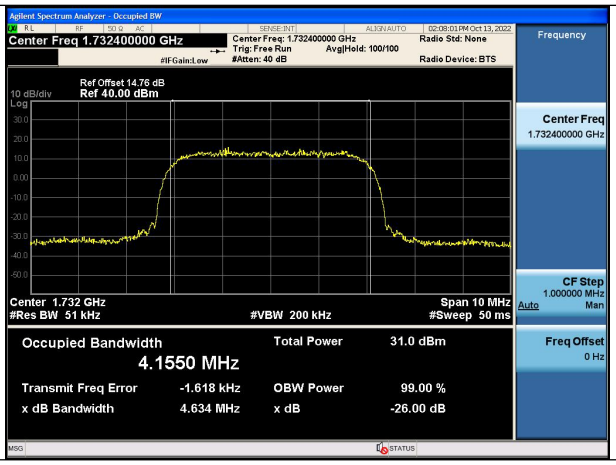


Channel 1513

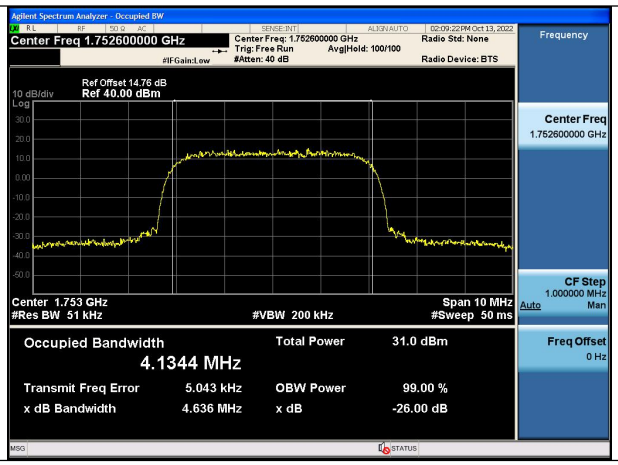
Test Mode: HSPA+



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	4.65
Release 99	1732.6	1412	4.64
Release 99	1752.6	1513	4.64

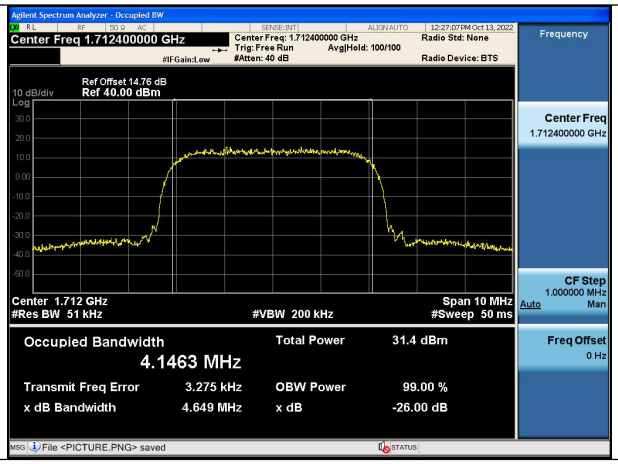
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	1712.4	1312	4.65
HSDPA	1732.6	1412	4.63
HSDPA	1752.6	1513	4.62

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	1712.4	1312	4.61
HSUPA	1732.6	1412	4.63
HSUPA	1752.6	1513	4.63

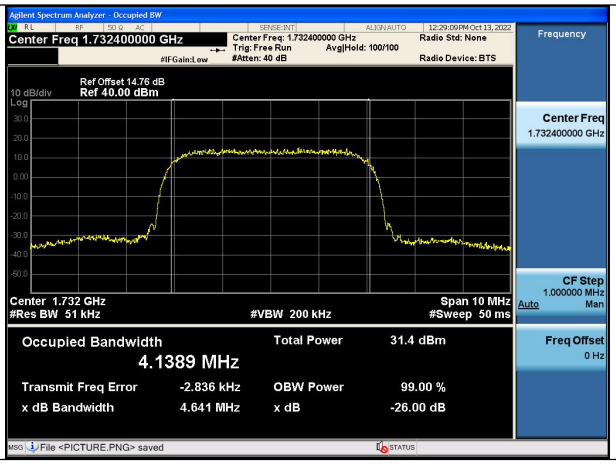
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSPA+	1712.4	1312	4.62
HSPA+	1732.6	1412	4.63
HSPA+	1752.6	1513	4.64

WCDMA band IV

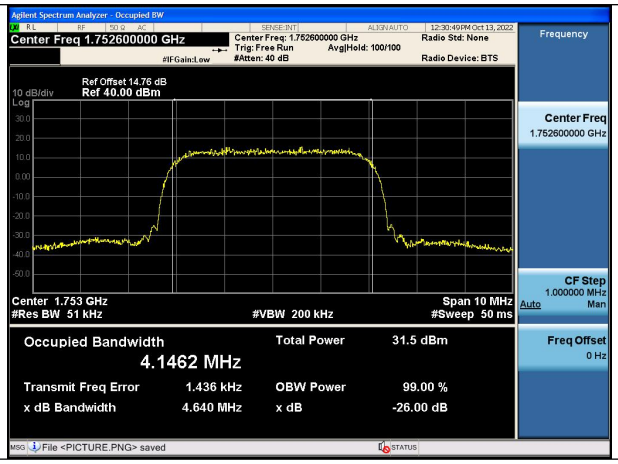
Test Mode: Release 99



Channel 1312

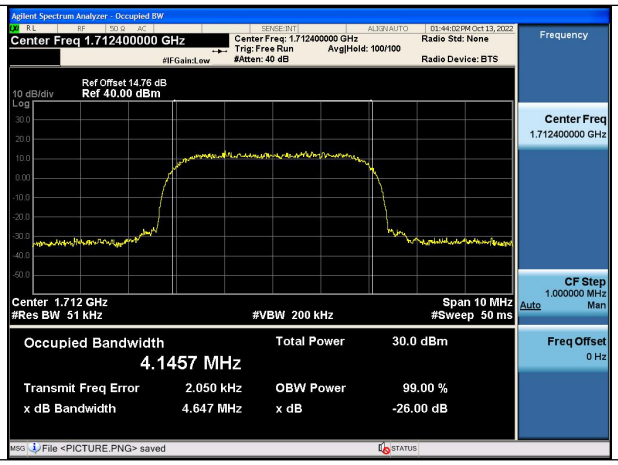


Channel 1412

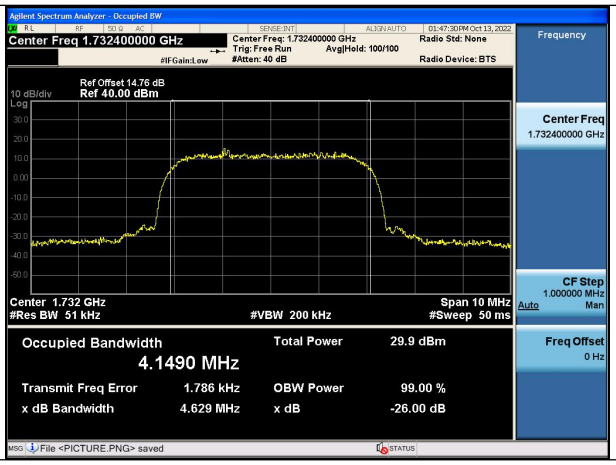


Channel 1513

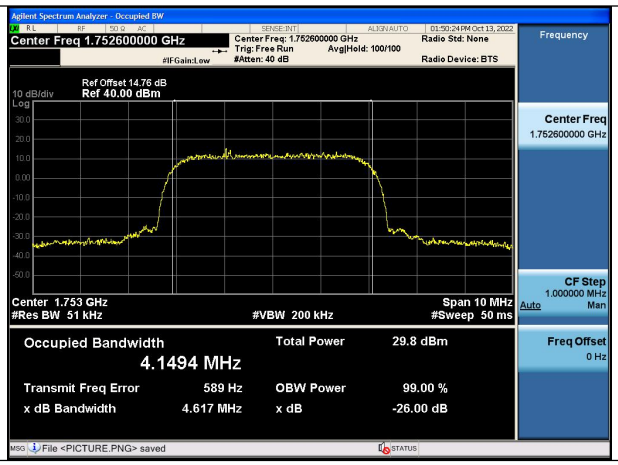
Test Mode: HSDPA



Channel 1312

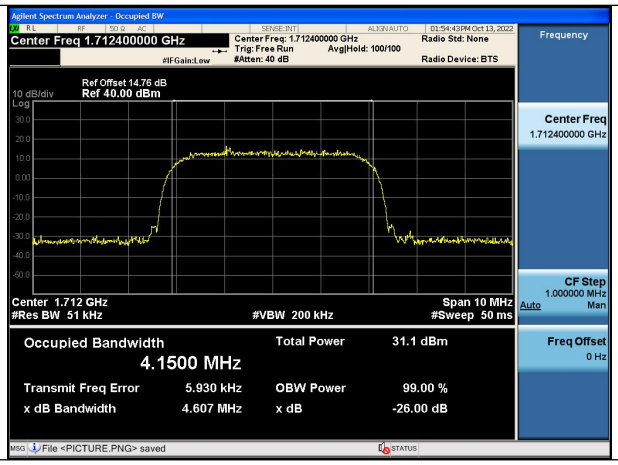


Channel 1412

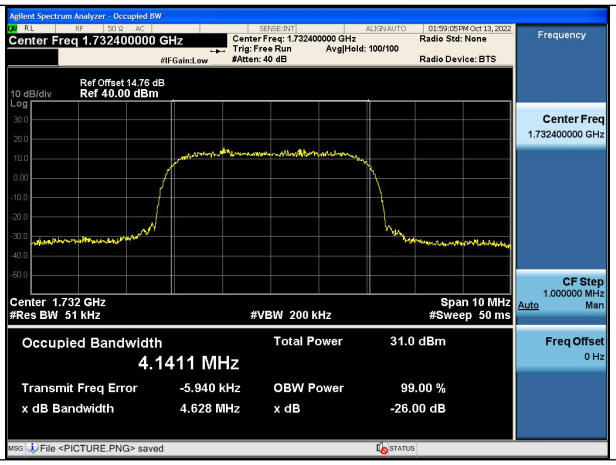


Channel 1513

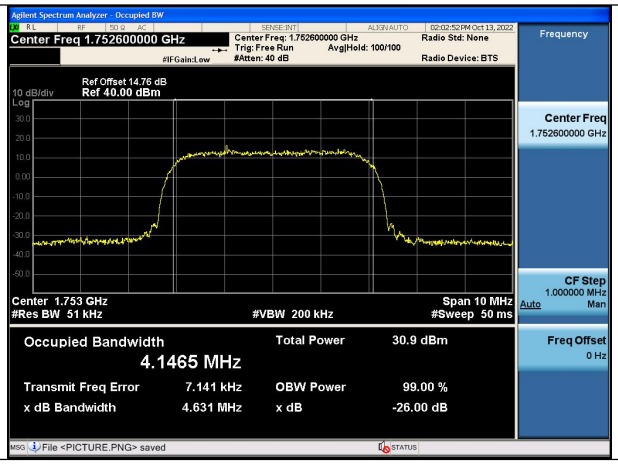
Test Mode: HSUPA



Channel 1312

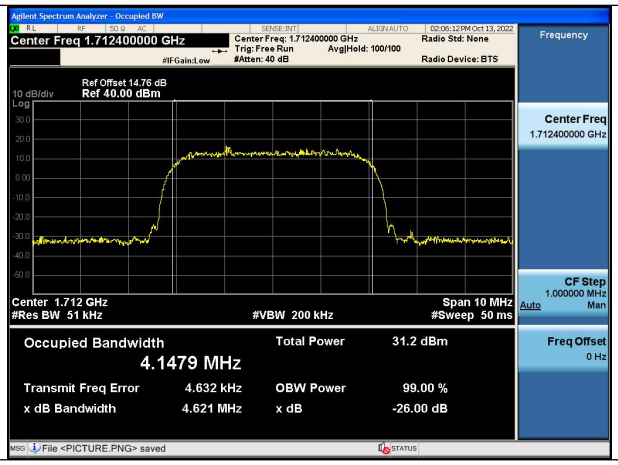


Channel 1412

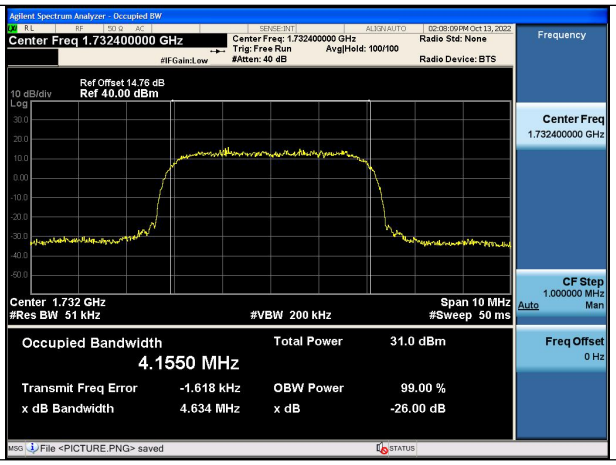


Channel 1513

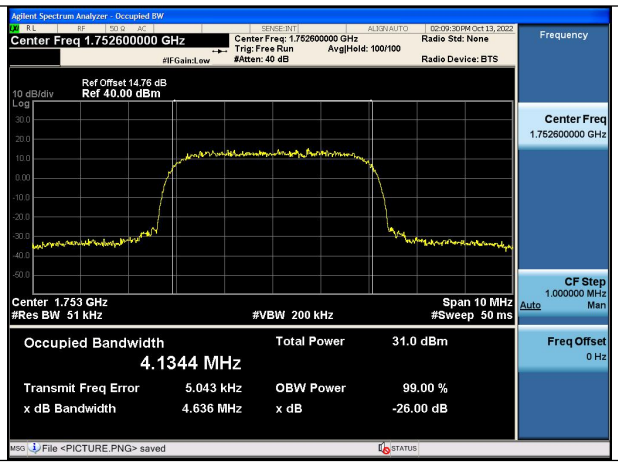
Test Mode: HSPA+



Channel 1312



Channel 1412

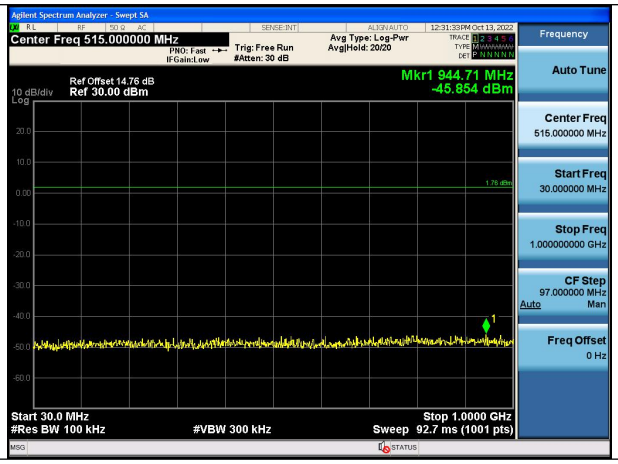


Channel 1513

4. Spurious Emissions at antenna terminal

WCDMA band IV

Test Mode: Release 99

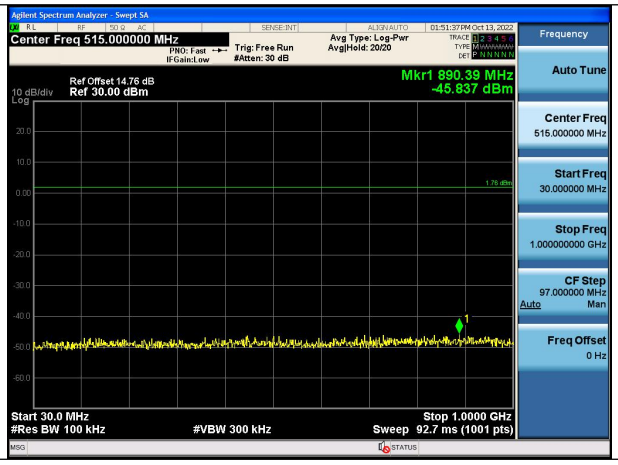


Channel 1312 30MHz~1GHz

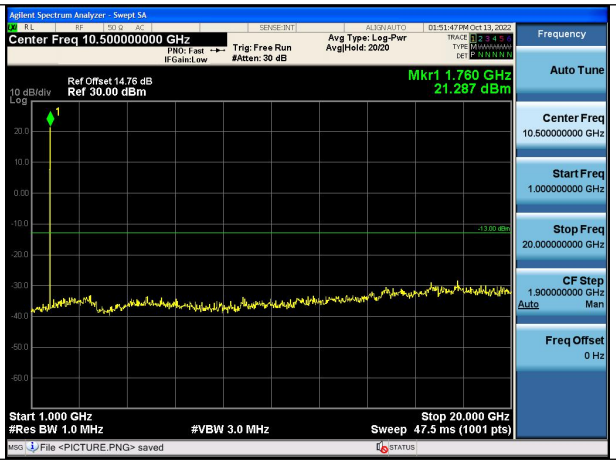
Channel 1312 1GHz~20GHz

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

Test Mode: HSDPA



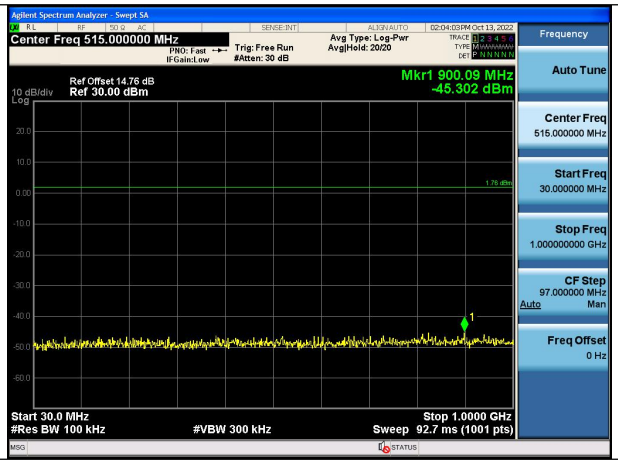
Channel 1312 30MHz~1GHz



Channel 1312 1GHz~20GHz

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

Test Mode: HSUPA



Channel 1312 30MHz~1GHz

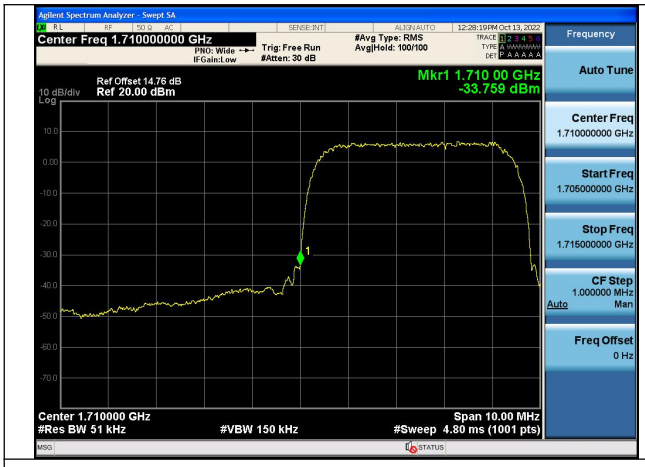
Channel 1312 1GHz~20GHz

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

5. Band Edges Compliance

WCDMA band IV

Test Mode: Release 99



Channel 1312

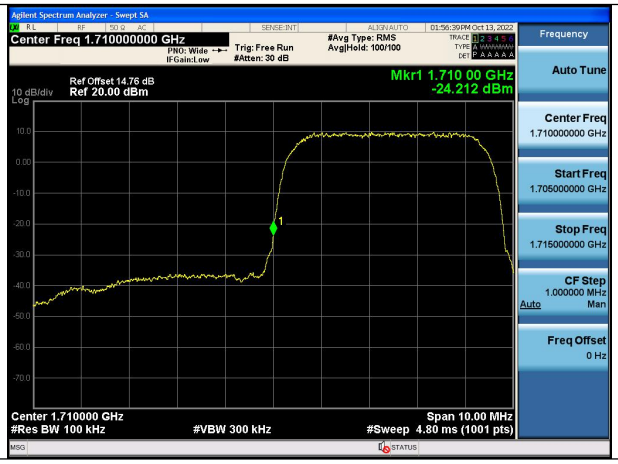
Channel 1513

Test Mode: HSDPA

Channel 1312

Channel 1513

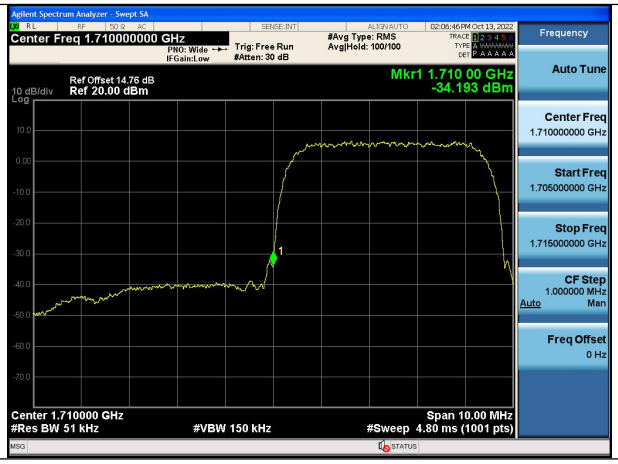
Test Mode: HSUPA



Channel 1312

Channel 1513

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	-20	0.003	0.002	0.007
Release 99	-10	0.004	0.004	0.005
Release 99	-0	0.003	-0.001	0.003
Release 99	+10	0.005	0.005	0.005
Release 99	+20	0.006	0.004	0.002
Release 99	+30	0.004	0.006	0.005
Release 99	+40	0.003	0.003	0.002
Release 99	+50	0.006	0.005	0.001
Release 99	+60	0.007	0.003	0.004
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Release 99	LV	0.003	0.004	0.003
Release 99	HV	0.005	0.002	0.001

Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-20	0.005	0.007	0.008
Subtest1	-10	0.009	0.006	0.005
Subtest1	-0	0.003	0.006	0.009
Subtest1	+10	0.009	0.008	0.009
Subtest1	+20	0.006	0.009	0.005
Subtest1	+30	0.005	0.007	0.004
Subtest1	+40	0.010	0.008	0.006
Subtest1	+50	0.010	0.004	0.009
Subtest1	+60	0.010	0.004	0.004
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.005	0.007	0.008
Subtest1	HV	0.009	0.004	0.005

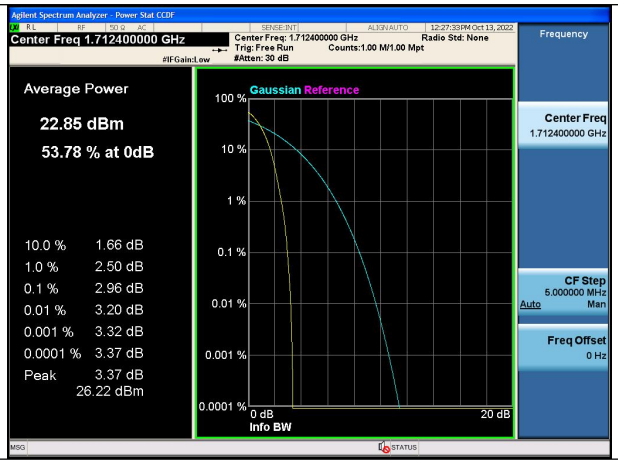
Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	-20	0.007	0.008	0.004
Subtest1	-10	0.009	0.006	0.005
Subtest1	-0	0.003	0.006	0.009
Subtest1	+10	0.009	0.008	0.009
Subtest1	+20	0.006	0.009	0.005
Subtest1	+30	0.005	0.007	0.004
Subtest1	+40	0.010	0.008	0.006
Subtest1	+50	0.010	0.004	0.009
Subtest1	+60	0.010	0.004	0.004
Name	Voltage	Test Result (ppm)@NT		
		Channel 1312	Channel 1412	Channel 1513
Subtest1	LV	0.005	0.007	0.008
Subtest1	HV	0.009	0.004	0.005

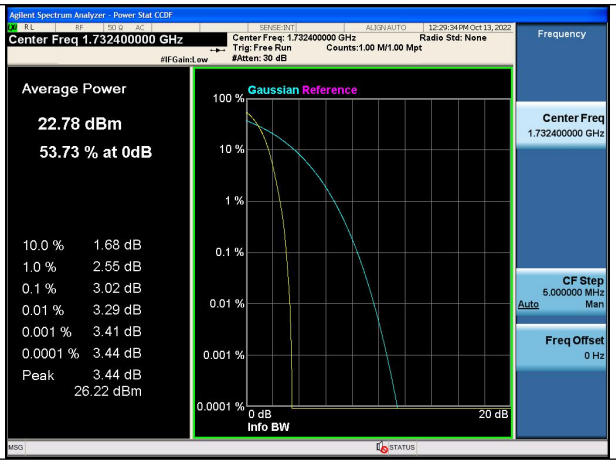
7. Peak-Average Ratio

WCDMA band IV

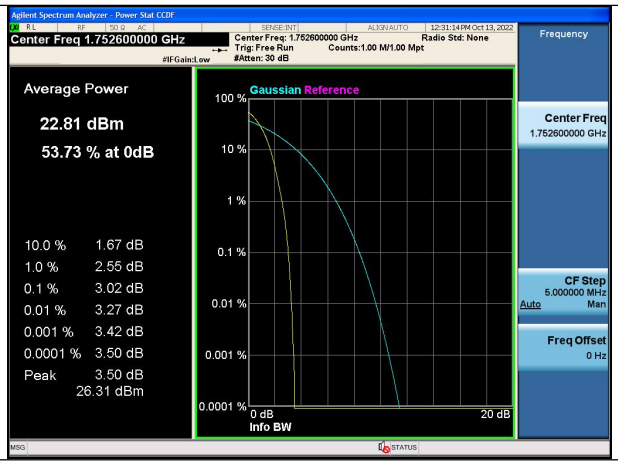
Test Mode: Release 99



Channel 1312



Channel 1412



Channel 1513