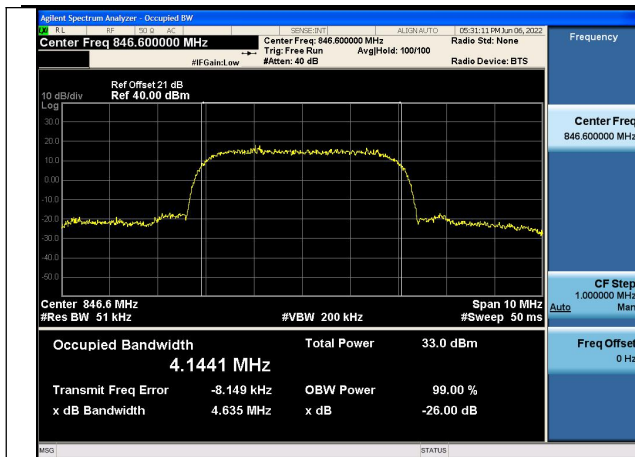
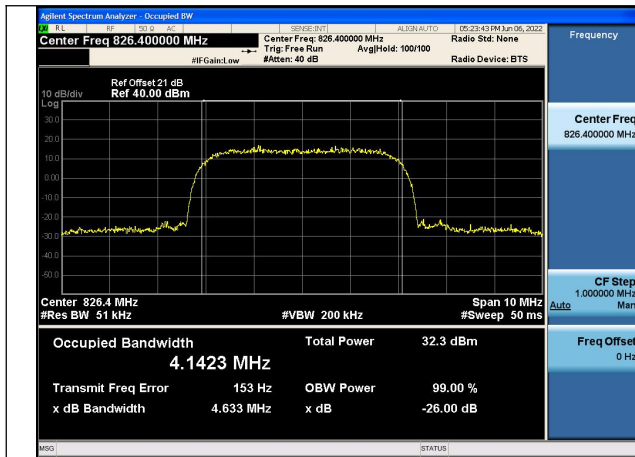


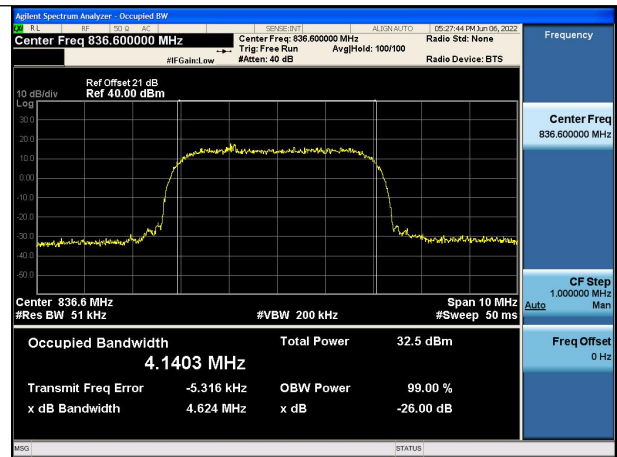


Channel 4233

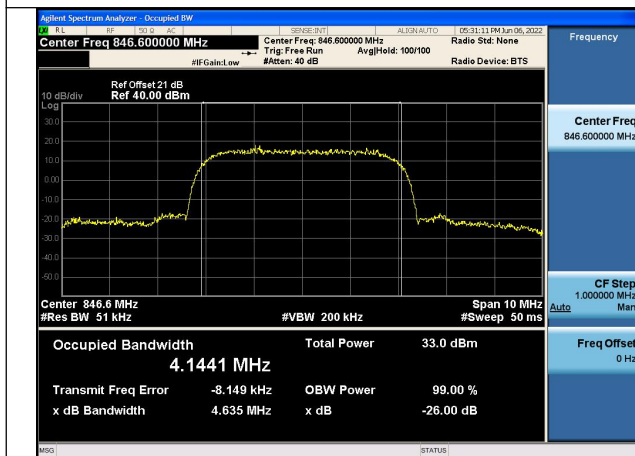
Test Mode: HSDPA



Channel 4132

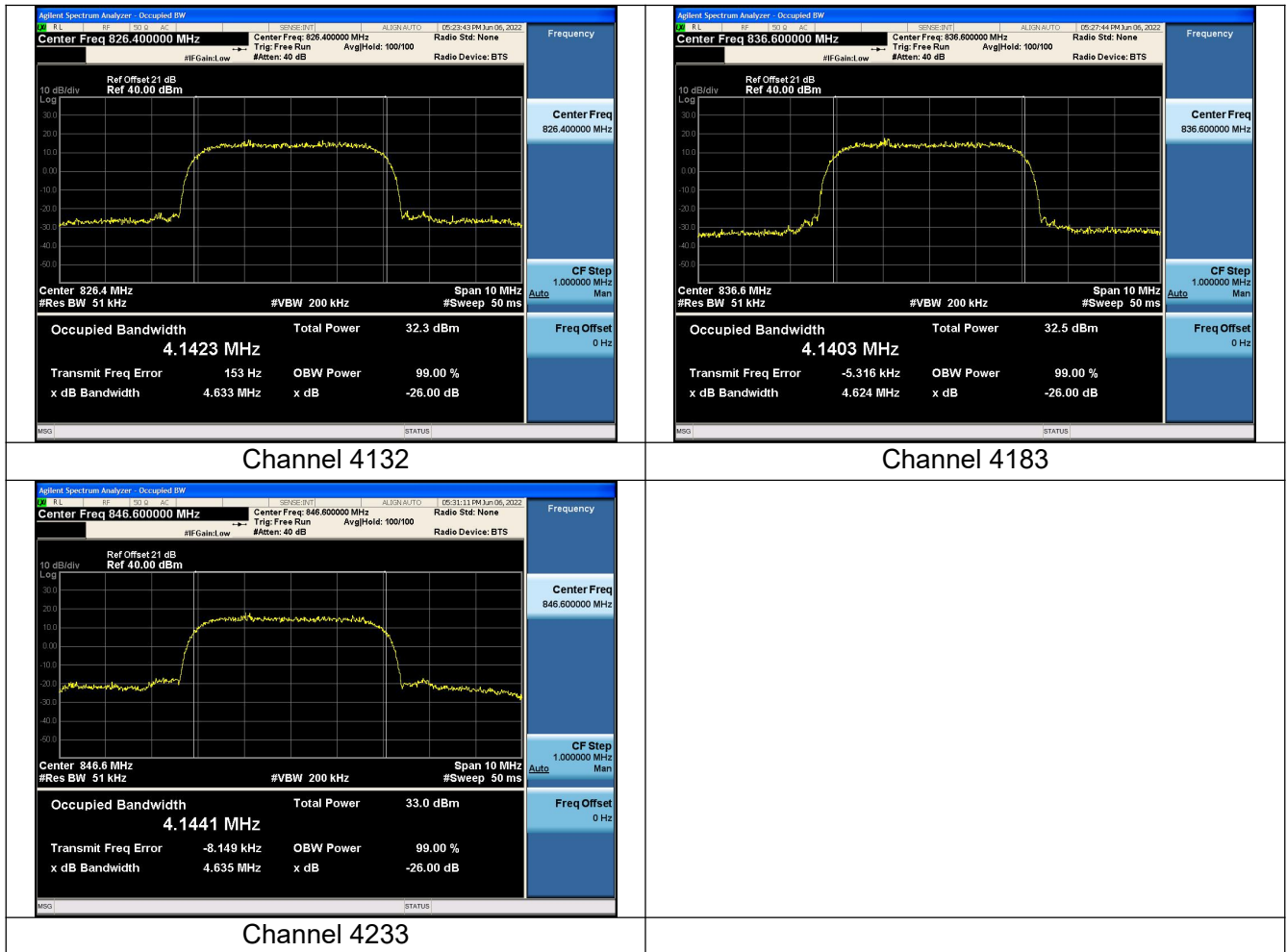


Channel 4183



Channel 4233

Test Mode: HSUPA



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	4.65

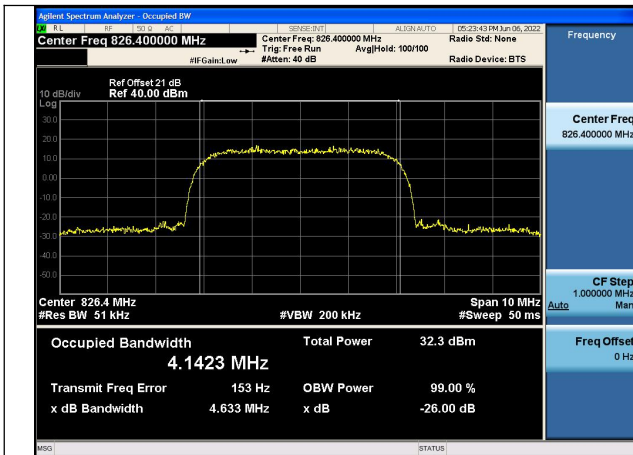
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.63
HSDPA	836.6	4183	4.63
HSDPA	846.6	4233	4.62

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSUPA	826.4	4132	4.63
HSUPA	836.6	4183	4.62
HSUPA	846.6	4233	4.64

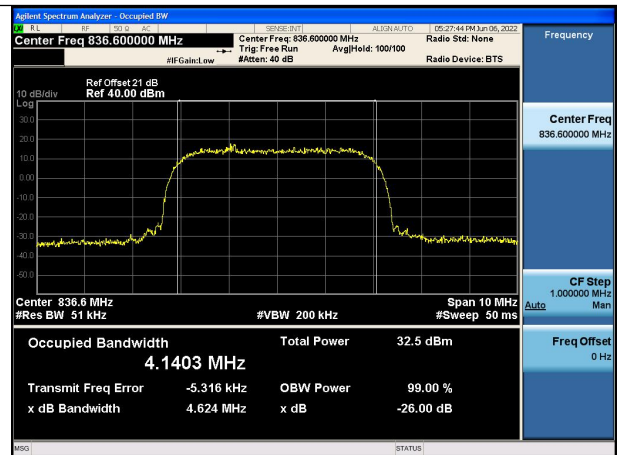
WCDMA band V
Test Mode: Release 99

Agilent Spectrum Analyzer - Occupied BW Center Freq 826.400000 MHz Ref Offset 21 dB Ref 40.00 dBm #F Gain: Low #F Gain: 40 dB Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 826.400000 MHz CF Step 1.000000 MHz Span 10 MHz #Res BW 51 kHz #VBW 200 kHz #Sweep 50 ms Occupied Bandwidth 4.1423 MHz Total Power 32.3 dBm Transmit Freq Error 153 Hz OBW Power 99.00 % x dB Bandwidth 4.633 MHz x dB -26.00 dB MSG STATUS	Agilent Spectrum Analyzer - Occupied BW Center Freq 836.600000 MHz Ref Offset 21 dB Ref 40.00 dBm #F Gain: Low #F Gain: 40 dB Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 836.600000 MHz CF Step 1.000000 MHz Span 10 MHz #Res BW 51 kHz #VBW 200 kHz #Sweep 50 ms Occupied Bandwidth 4.1403 MHz Total Power 32.5 dBm Transmit Freq Error -5.316 kHz OBW Power 99.00 % x dB Bandwidth 4.624 MHz x dB -26.00 dB MSG STATUS
Channel 4132	Channel 4183
Agilent Spectrum Analyzer - Occupied BW Center Freq 846.600000 MHz Ref Offset 21 dB Ref 40.00 dBm #F Gain: Low #F Gain: 40 dB Trig: Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS Frequency Center Freq 846.600000 MHz CF Step 1.000000 MHz Span 10 MHz #Res BW 51 kHz #VBW 200 kHz #Sweep 50 ms Occupied Bandwidth 4.1441 MHz Total Power 33.0 dBm Transmit Freq Error -8.149 kHz OBW Power 99.00 % x dB Bandwidth 4.635 MHz x dB -26.00 dB MSG STATUS	
Channel 4233	

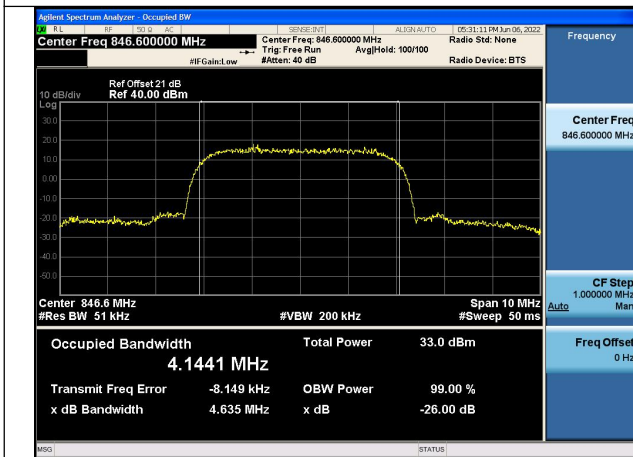
Test Mode: HSDPA



Channel 4132

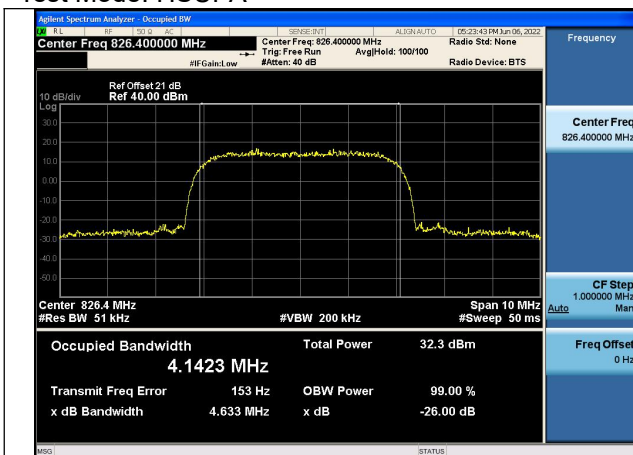


Channel 4183

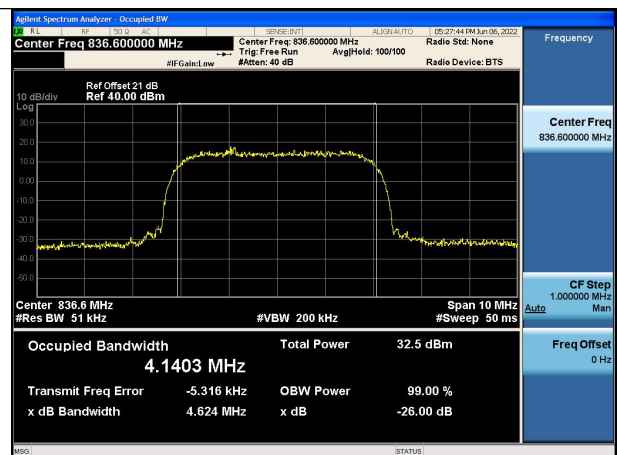


Channel 4233

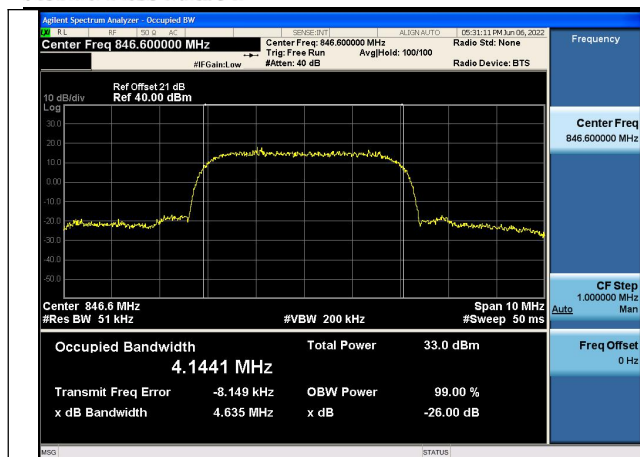
Test Mode: HSUPA



Channel 4132



Channel 4183

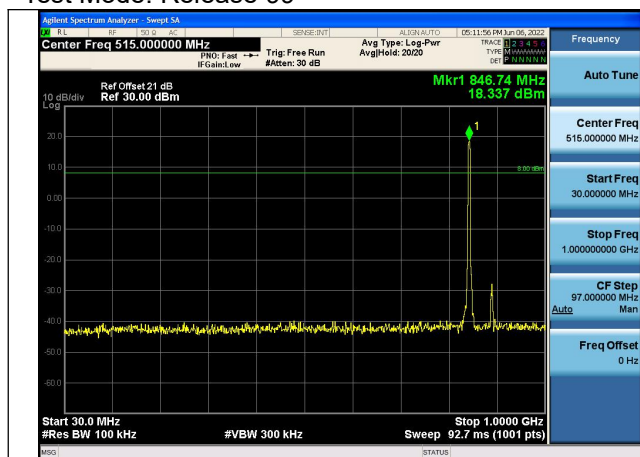


Channel 4233

4. Spurious Emissions at antenna terminal

WCDMA band V

Test Mode: Release 99



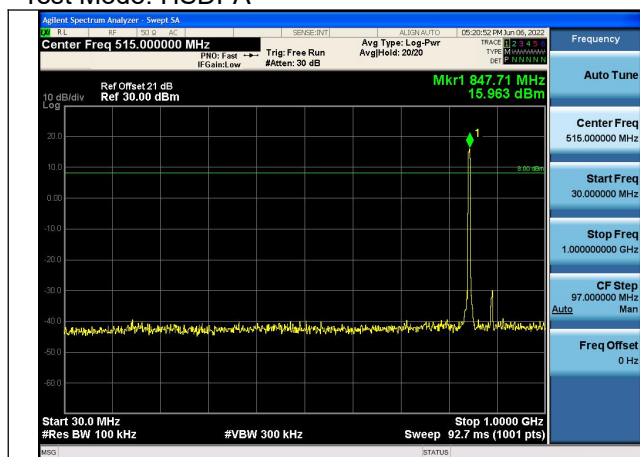
Channel 4132 30MHz~1GHz(dBm)



Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSDPA



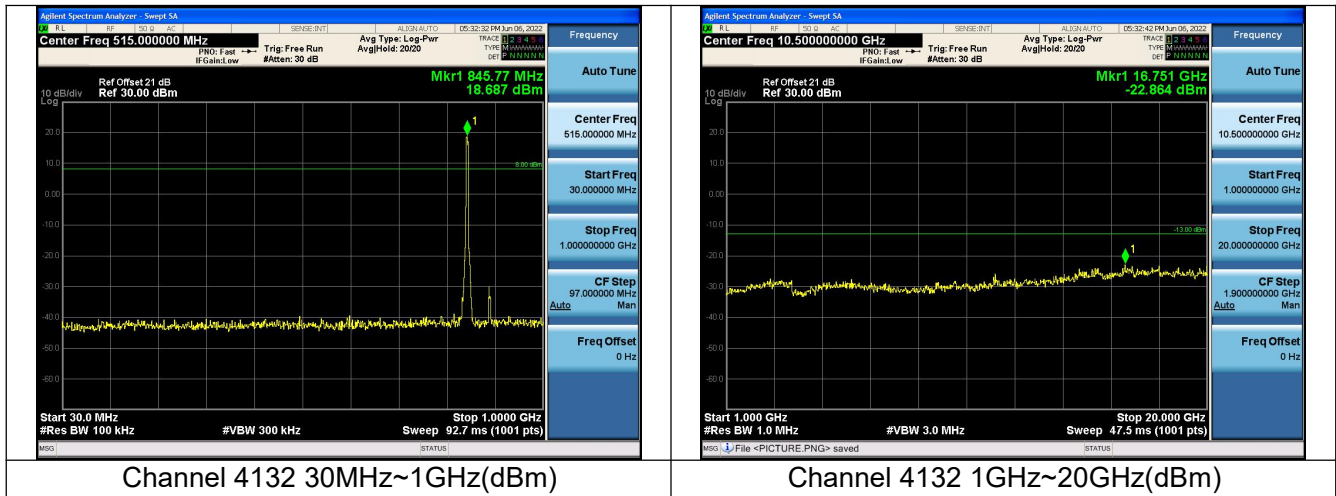
Channel 4132 30MHz~1GHz(dBm)



Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSUPA

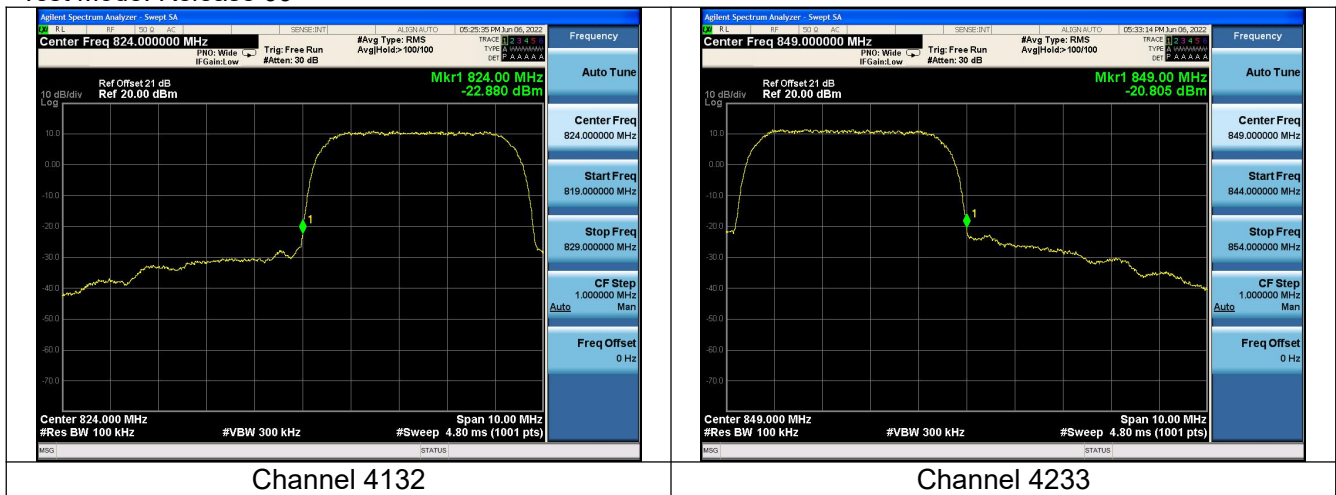


Note: The signal beyond the limit is the signal transmitted by EUT.

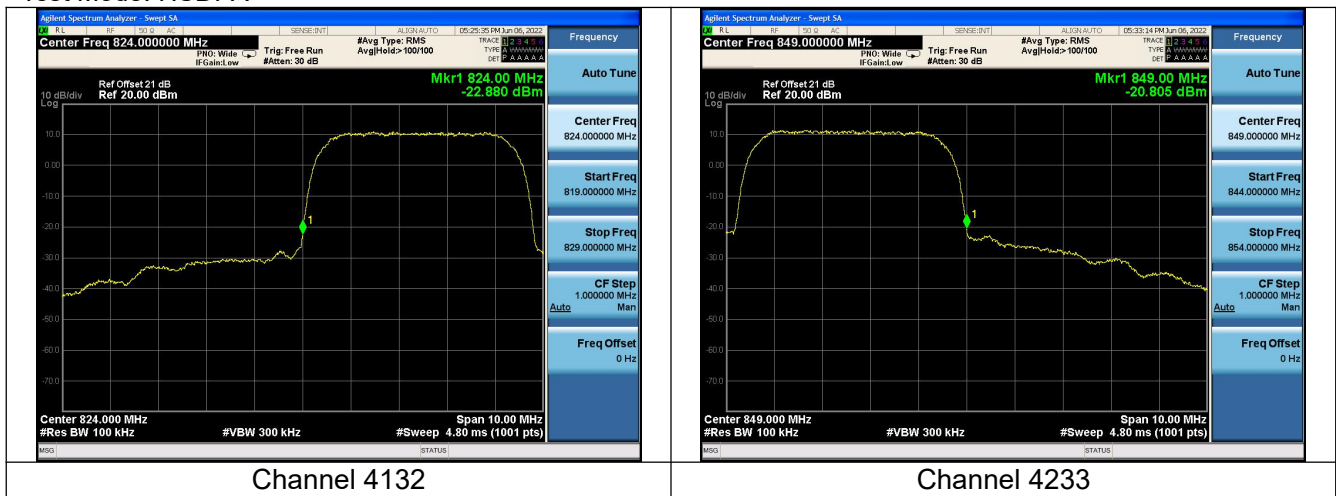
5. Band Edges Compliance

WCDMA band V

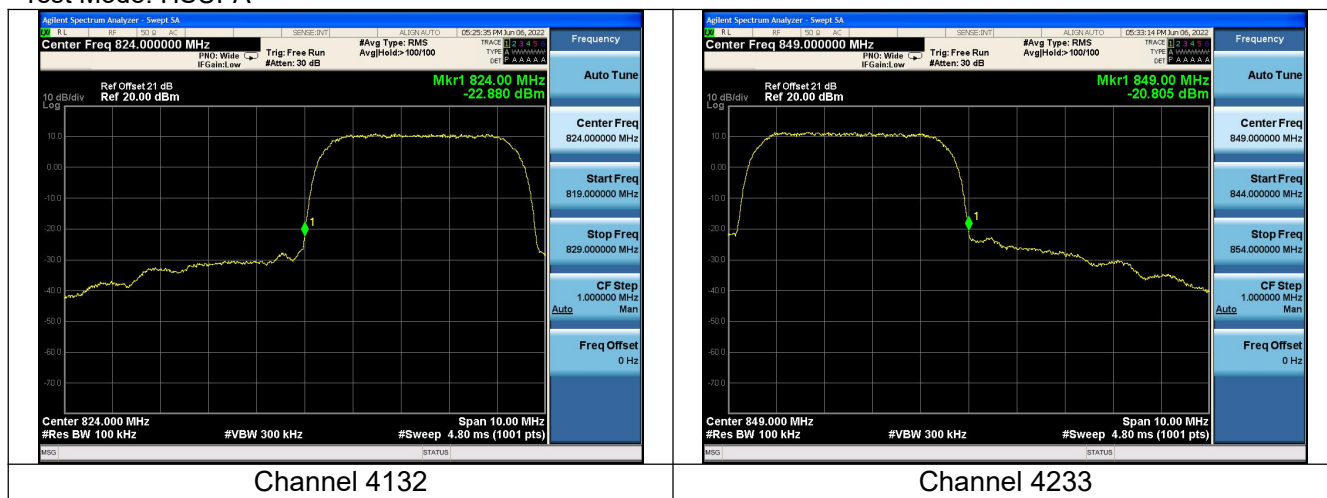
Test Mode: Release 99



Test Mode: HSDPA



Test Mode: HSUPA



6. Frequency Stability

WCDMA band V

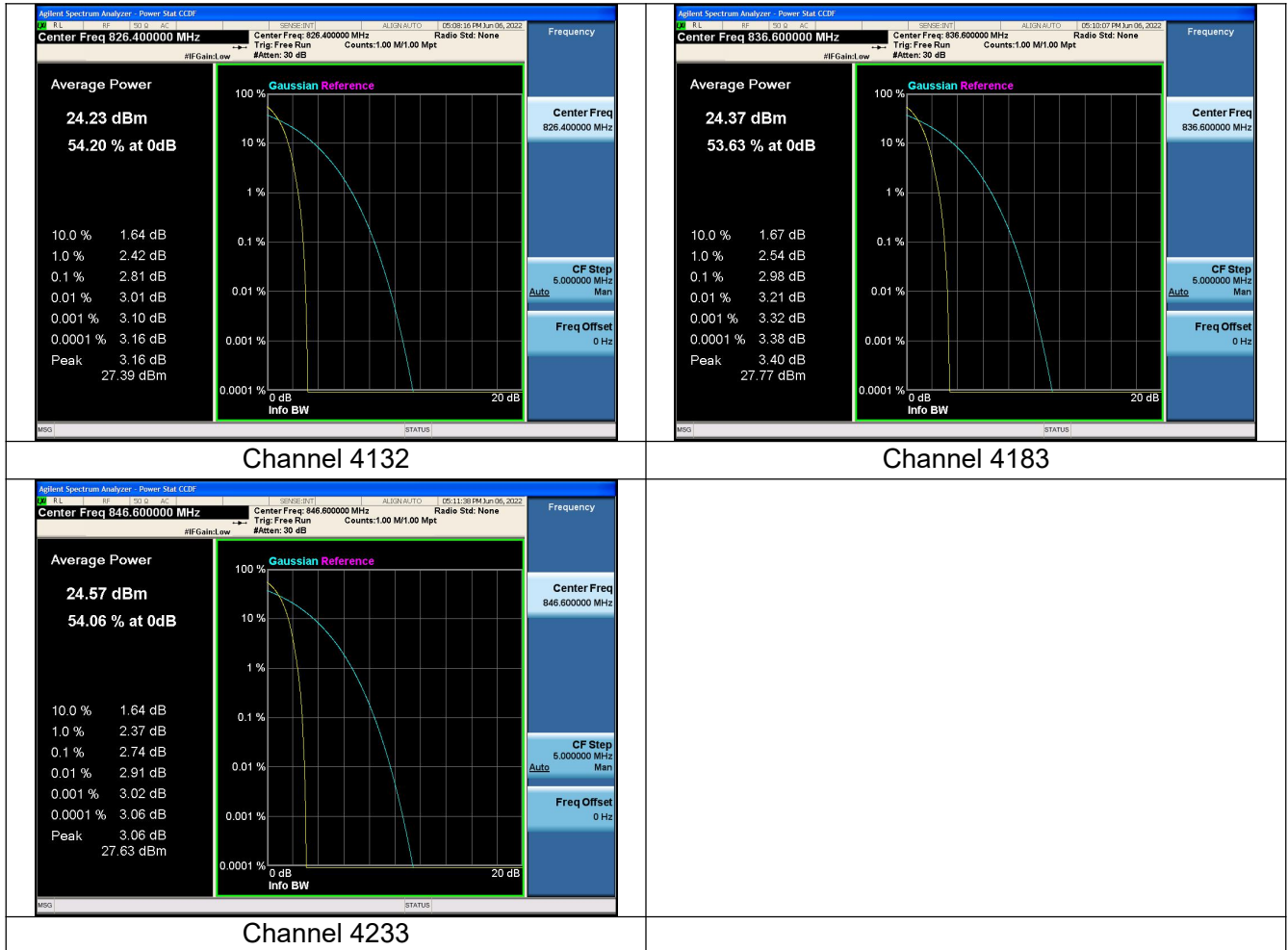
Test Mode:

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Release 99	0	-0.012	0.059	0.071
Release 99	+10	0.064	0.006	-0.034
Release 99	+20	0.035	-0.006	-0.004
Release 99	+30	0.009	-0.024	0.004
Release 99	+40	-0.050	-0.009	-0.006
Release 99	+50	0.006	0.038	0.008
Release 99	+55	0.035	-0.071	0.021
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	0.008	-0.049	0.050
Release 99	HV	0.054	0.008	0.030

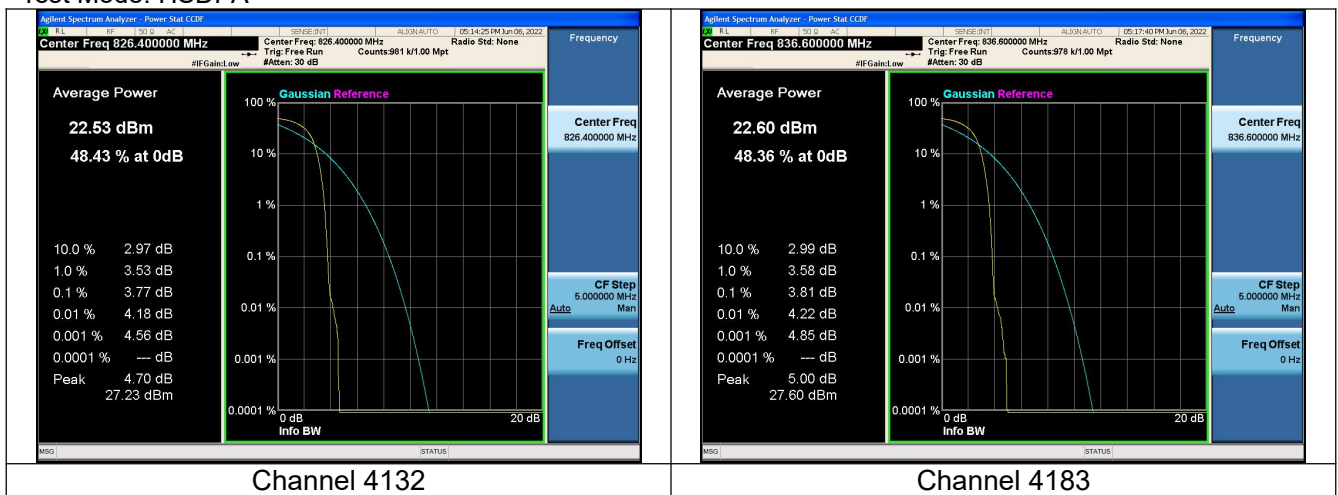
7. Peak-Average Ratio

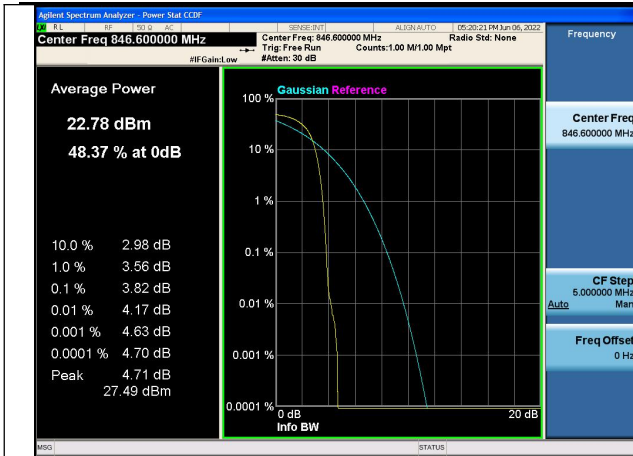
WCDMA band V

Test Mode: Release 99



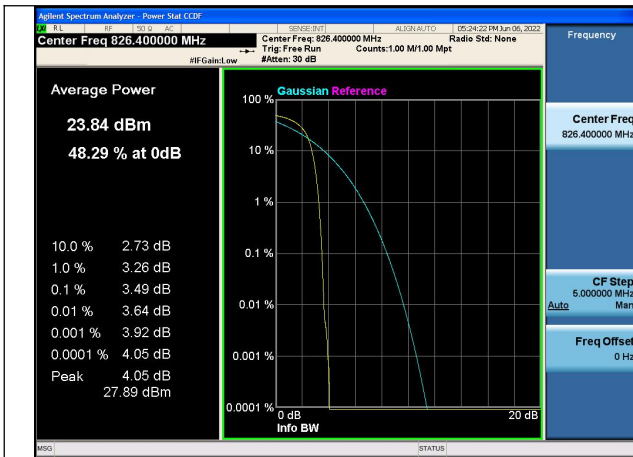
Test Mode: HSDPA





Channel 4233

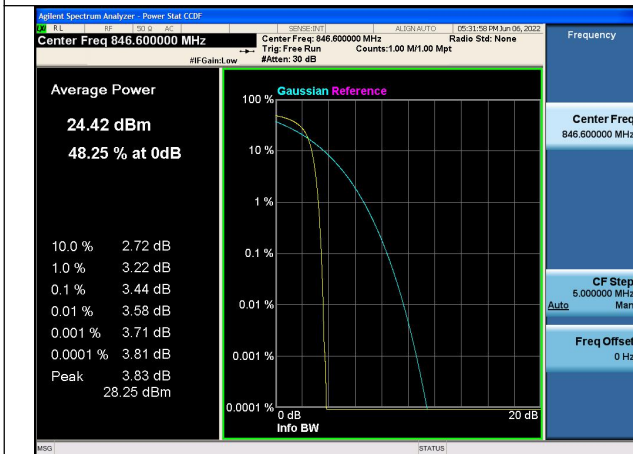
Test Mode: HSUPA



Channel 4132



Channel 4183



Channel 4233

8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band V

Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
Release 99	RMC,12.2kbps	826.4	4132	23.69	16.89	0.049
Release 99	RMC,12.2kbps	836.6	4183	23.69	16.89	0.049
Release 99	RMC,12.2kbps	846.6	4233	23.96	17.16	0.052
Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	22.6	15.80	0.038
HSDPA	Subtest1	836.6	4183	22.66	15.86	0.039
HSDPA	Subtest1	846.6	4233	22.91	16.11	0.041
HSDPA	Subtest2	826.4	4132	22.27	15.47	0.035
HSDPA	Subtest2	836.6	4183	22.29	15.49	0.035
HSDPA	Subtest2	846.6	4233	22.53	15.73	0.037
HSDPA	Subtest3	826.4	4132	21.96	15.16	0.033
HSDPA	Subtest3	836.6	4183	22.04	15.24	0.033
HSDPA	Subtest3	846.6	4233	22.28	15.48	0.035
HSDPA	Subtest4	826.4	4132	21.84	15.04	0.032
HSDPA	Subtest4	836.6	4183	21.9	15.10	0.032
HSDPA	Subtest4	846.6	4233	22.15	15.35	0.034
Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	20.65	13.85	0.024
HSUPA	Subtest1	836.6	4183	20.71	13.91	0.025
HSUPA	Subtest1	846.6	4233	21.42	14.62	0.029
HSUPA	Subtest2	826.4	4132	21.16	14.36	0.027
HSUPA	Subtest2	836.6	4183	21.24	14.44	0.028
HSUPA	Subtest2	846.6	4233	21.93	15.13	0.033
HSUPA	Subtest3	826.4	4132	21.15	14.35	0.027
HSUPA	Subtest3	836.6	4183	21.42	14.62	0.029
HSUPA	Subtest3	846.6	4233	21.95	15.15	0.033
HSUPA	Subtest4	826.4	4132	20.6	13.80	0.024
HSUPA	Subtest4	836.6	4183	20.82	14.02	0.025
HSUPA	Subtest4	846.6	4233	21.23	14.43	0.028
HSUPA	Subtest5	826.4	4132	23.19	16.39	0.044
HSUPA	Subtest5	836.6	4183	23.26	16.46	0.044
HSUPA	Subtest5	846.6	4233	23.78	16.98	0.050

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

WCDMA band II

Test result:

Test result:

WCDMA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.75	-48.66	-13	Vertical
2780.98	-47.77	-13	Vertical
3726.73	-41.05	-13	Vertical
6678.33	-39.93	-13	Vertical
9960.77	-37.42	-13	Vertical
17821.14	-33.55	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.98	-48.64	-13	Vertical
2782.06	-47.20	-13	Vertical
3728.08	-40.79	-13	Vertical
6678.83	-39.69	-13	Vertical
9962.26	-37.03	-13	Vertical
17821.42	-33.47	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.53	-48.51	-13	Vertical
2781.96	-47.53	-13	Vertical
3724.98	-41.24	-13	Vertical
6676.98	-39.64	-13	Vertical
9960.31	-37.29	-13	Vertical
17821.65	-34.31	-13	Vertical

HSDPA/HSUPA Mode:
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.21	-49.47	-13	Vertical
2780.41	-47.68	-13	Vertical
3727.41	-41.26	-13	Vertical
6677.01	-39.79	-13	Vertical
9961.03	-37.04	-13	Vertical
17821.41	-34.34	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.51	-49.26	-13	Vertical
2780.92	-47.61	-13	Vertical
3726.17	-40.86	-13	Vertical
6676.58	-40.11	-13	Vertical
9962.26	-36.85	-13	Vertical
17822.07	-33.94	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.55	-49.28	-13	Vertical
2778.70	-47.15	-13	Vertical
3724.94	-41.05	-13	Vertical
6676.97	-39.58	-13	Vertical
9959.65	-37.54	-13	Vertical
17820.99	-34.36	-13	Vertical

WCDMA band IV
Test result:

WCDMA Mode:
Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.40	-48.57	-13	Vertical
2779.19	-47.20	-13	Vertical
3726.32	-40.91	-13	Vertical
6677.59	-39.90	-13	Vertical
9960.99	-37.08	-13	Vertical
17821.40	-34.11	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.27	-48.62	-13	Vertical
2780.97	-47.22	-13	Vertical
3726.15	-40.72	-13	Vertical
6677.34	-39.20	-13	Vertical
9961.61	-37.01	-13	Vertical
17822.04	-34.15	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.78	-48.74	-13	Vertical
2781.95	-47.03	-13	Vertical
3726.52	-40.96	-13	Vertical
6675.36	-39.40	-13	Vertical
9961.70	-37.34	-13	Vertical
17819.04	-33.93	-13	Vertical

HSDPA/HSUPA Mode:

Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.03	-49.35	-13	Vertical
2781.25	-47.14	-13	Vertical
3725.90	-41.09	-13	Vertical
6675.21	-40.12	-13	Vertical
9961.94	-36.99	-13	Vertical
17820.33	-34.39	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.82	-49.35	-13	Vertical
2780.51	-47.45	-13	Vertical
3727.52	-40.91	-13	Vertical
6675.87	-39.66	-13	Vertical
9959.43	-36.95	-13	Vertical
17819.17	-33.62	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.06	-49.41	-13	Vertical
2778.17	-47.83	-13	Vertical
3727.33	-40.89	-13	Vertical
6677.59	-39.86	-13	Vertical
9960.81	-37.71	-13	Vertical
17820.34	-33.57	-13	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.55	-53.08	-13	Vertical
1667.56	-51.64	-13	Vertical
2535.33	-44.43	-13	Vertical
2576.62	-44.48	-13	Vertical
8964.46	-39.41	-13	Vertical
9970.02	-36.71	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.77	-52.95	-13	Vertical
1665.30	-51.16	-13	Vertical
2534.00	-44.54	-13	Vertical
2577.58	-44.57	-13	Vertical
8962.77	-39.48	-13	Vertical
9970.84	-36.22	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.68	-52.93	-13	Vertical
1665.88	-50.89	-13	Vertical
2535.03	-44.57	-13	Vertical
2577.86	-43.68	-13	Vertical
8962.92	-39.66	-13	Vertical
9971.46	-36.21	-13	Vertical

HSDPA/HSUPA Mode:
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.53	-52.69	-13	Vertical
1667.58	-51.66	-13	Vertical
2535.85	-43.94	-13	Vertical
2576.98	-44.19	-13	Vertical
8964.27	-39.36	-13	Vertical
9973.13	-36.49	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.21	-53.11	-13	Vertical
1666.28	-51.16	-13	Vertical
2532.36	-44.21	-13	Vertical
2577.69	-43.97	-13	Vertical
8963.53	-39.74	-13	Vertical
9970.12	-35.98	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.04	-53.06	-13	Vertical
1666.72	-51.55	-13	Vertical
2535.13	-43.91	-13	Vertical
2576.40	-43.72	-13	Vertical
8964.08	-39.49	-13	Vertical
9971.83	-36.27	-13	Vertical

---The end of the test report---