

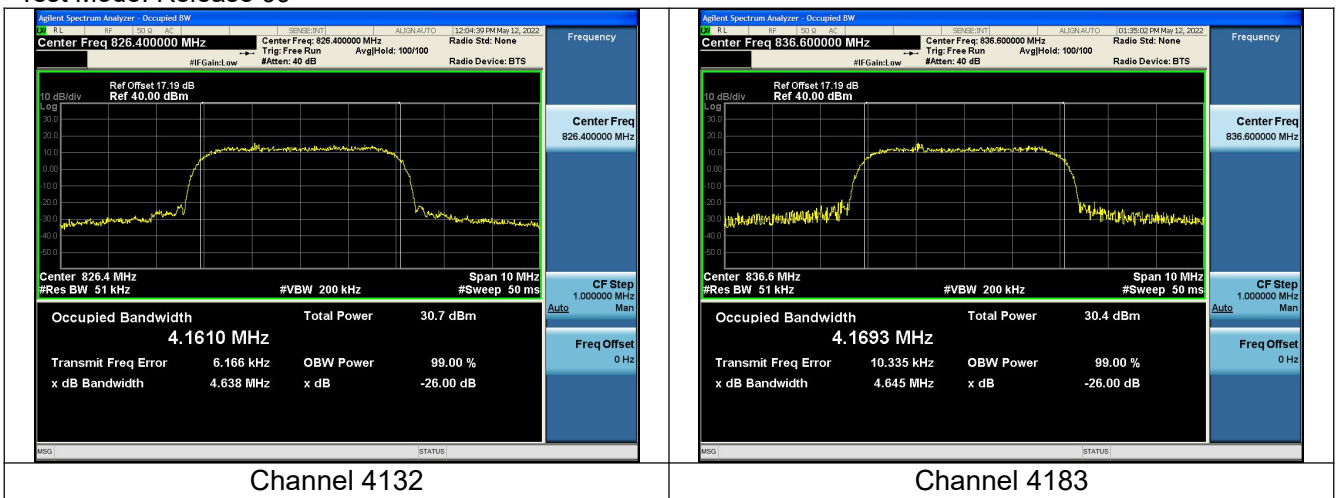
**2. Occupied Bandwidth**  
WCDMA band V

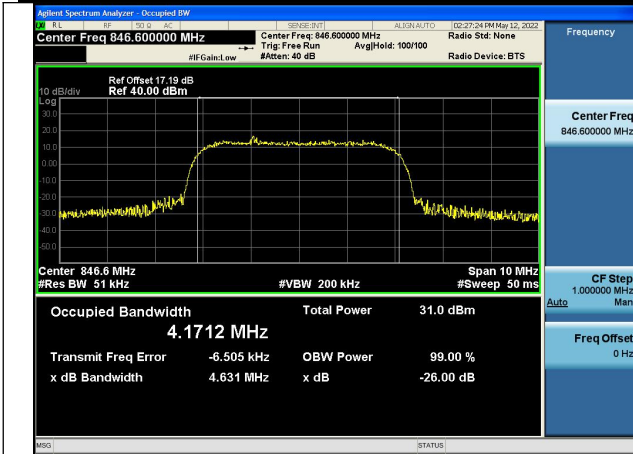
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
Release 99	826.4	4132	4.15
Release 99	836.6	4183	4.17
Release 99	846.6	4233	4.17

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

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (MHz)
HSUPA	826.4	4132	4.16
HSUPA	836.6	4183	4.17
HSUPA	846.6	4233	4.17

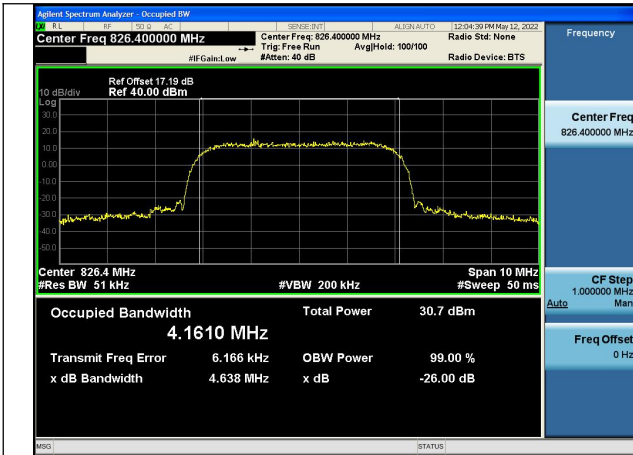
WCDMA band V  
Test Mode: Release 99



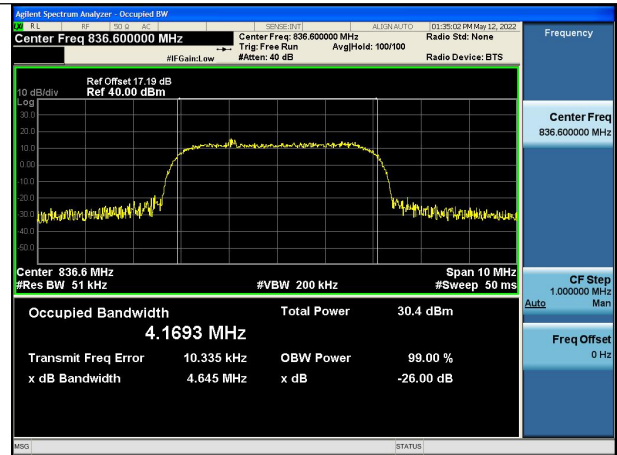


Channel 4233

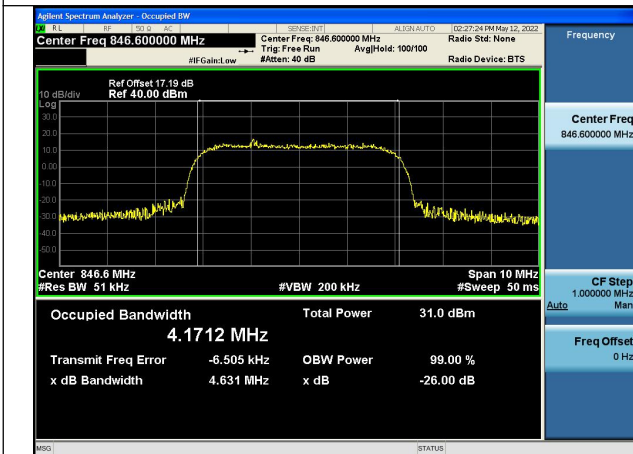
Test Mode: HSDPA



Channel 4132

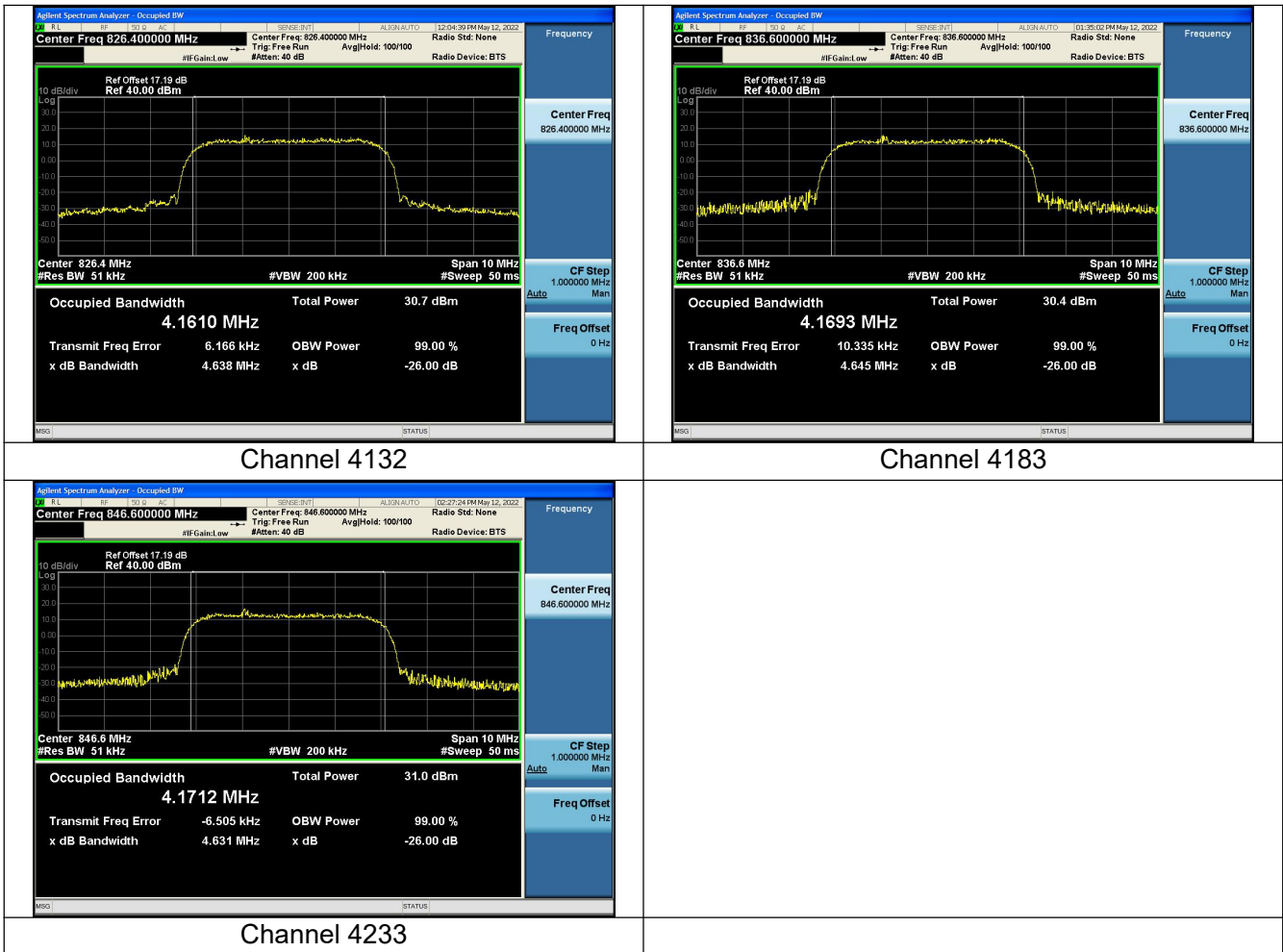


Channel 4183



Channel 4233

Test Mode: HSUPA



3. Emission Bandwidth

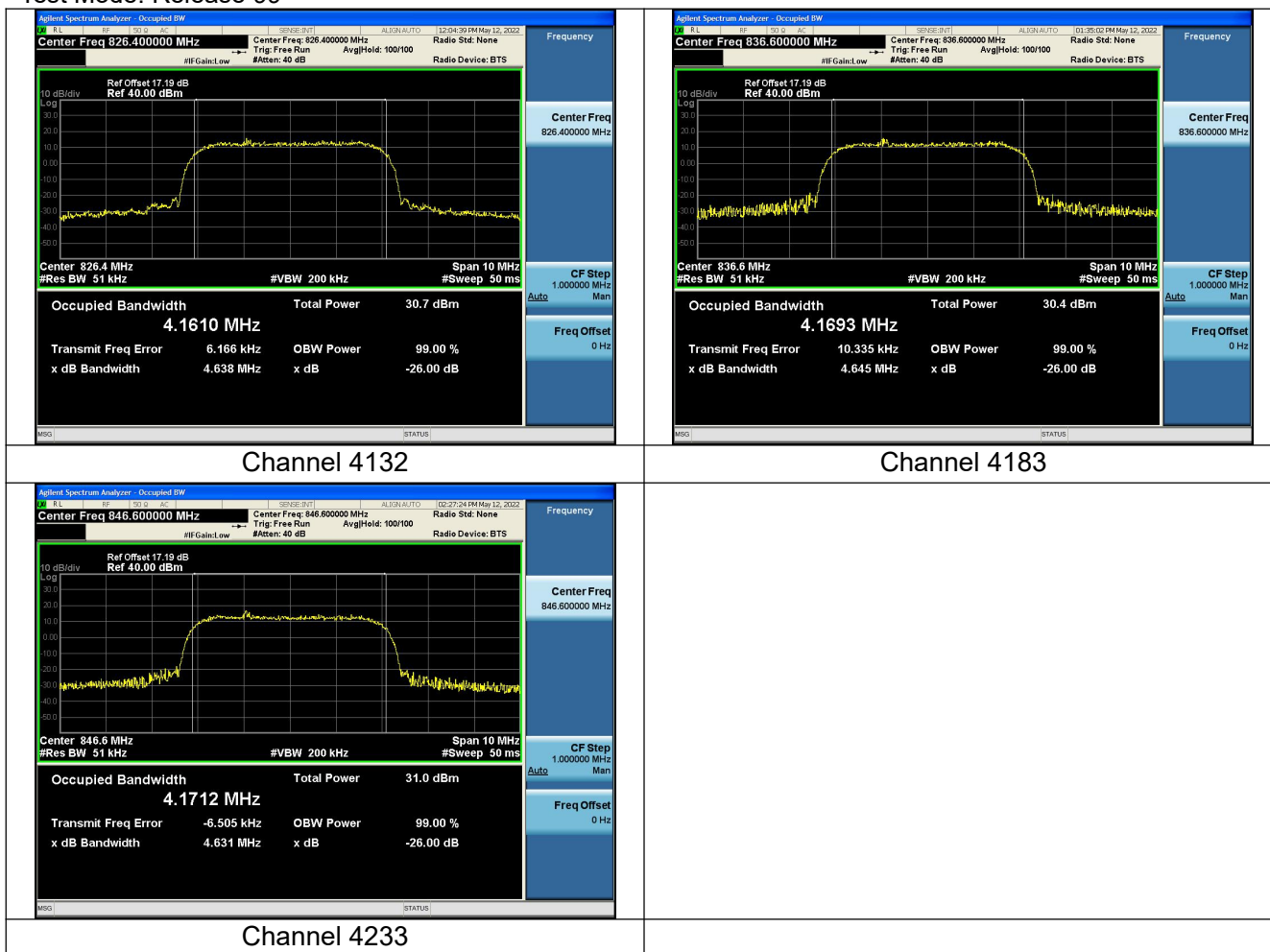
WCDMA band V

Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
Release 99	826.4	4132	4.66
Release 99	836.6	4183	4.66
Release 99	846.6	4233	4.68

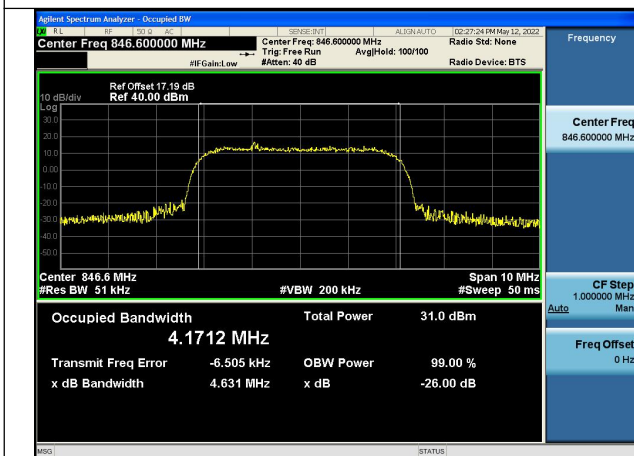
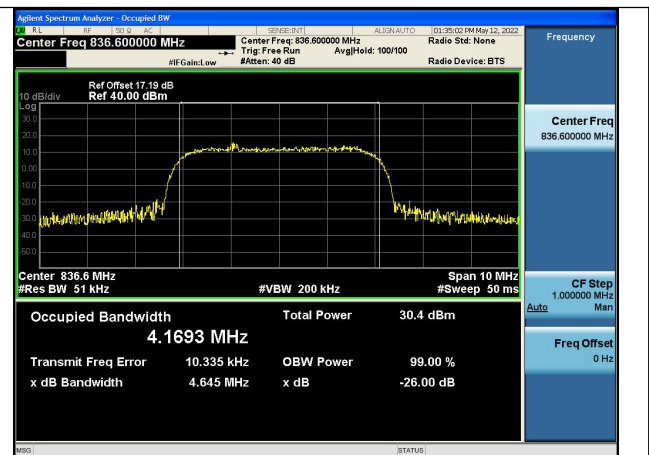
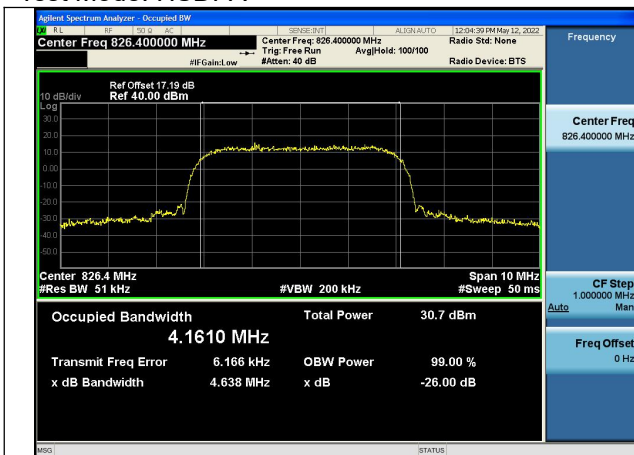
Mode	Carrier frequency (MHz)	Channel No.	Bandwidth of -26dBc Power (MHz)
HSDPA	826.4	4132	4.63
HSDPA	836.6	4183	4.65
HSDPA	846.6	4233	4.64

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

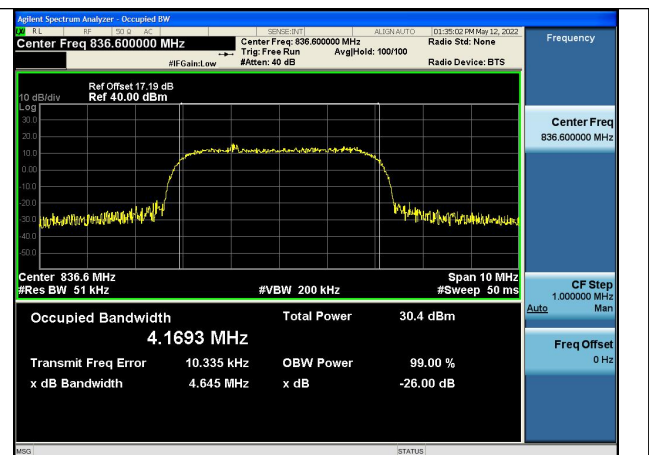
WCDMA band V  
Test Mode: Release 99

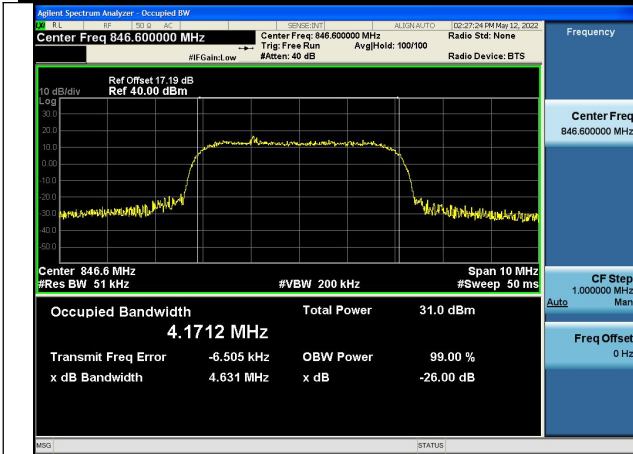


Test Mode: HSDPA



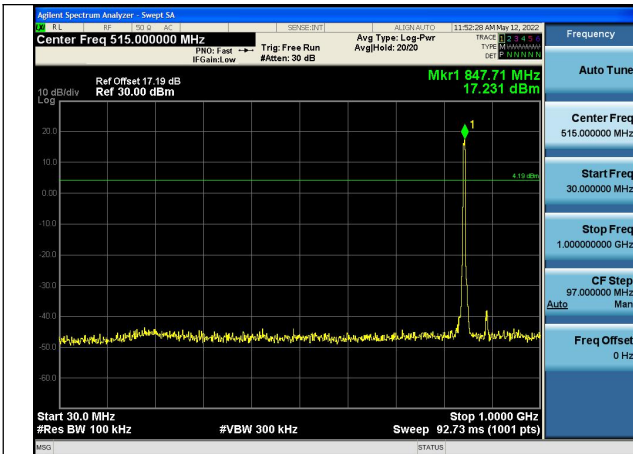
Test Mode: HSUPA





Channel 4233

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



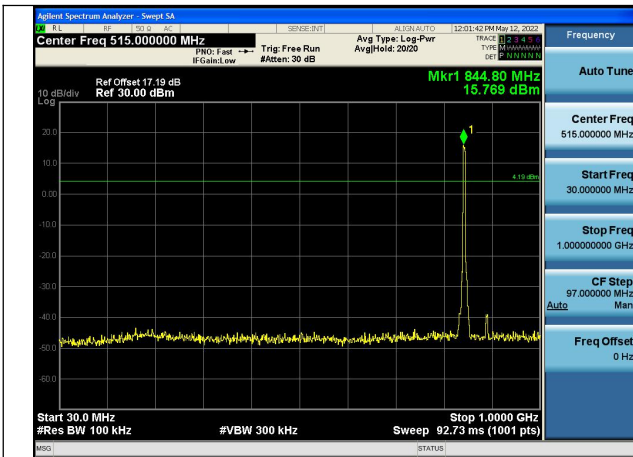
Channel 4132 30MHz~1GHz(dBm)



Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSDPA



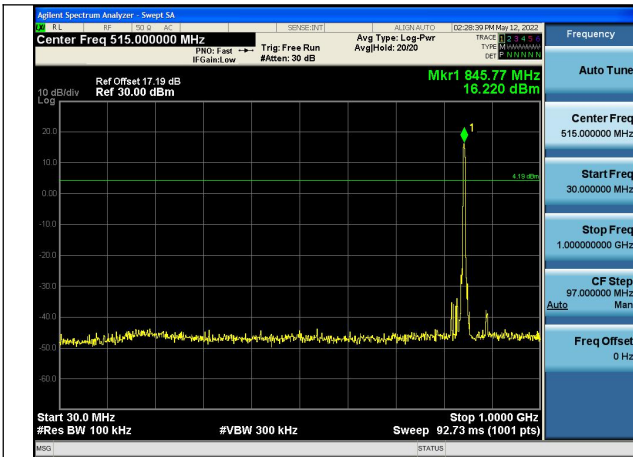
Channel 4132 30MHz~1GHz(dBm)



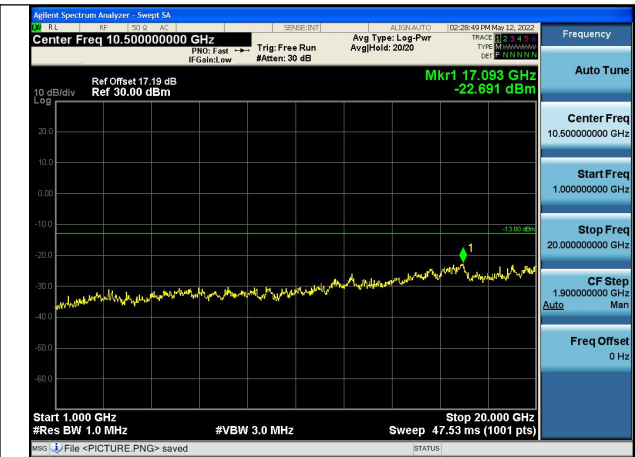
Channel 4132 1GHz~20GHz(dBm)

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

Test Mode: HSUPA



Channel 4132 30MHz~1GHz(dBm)



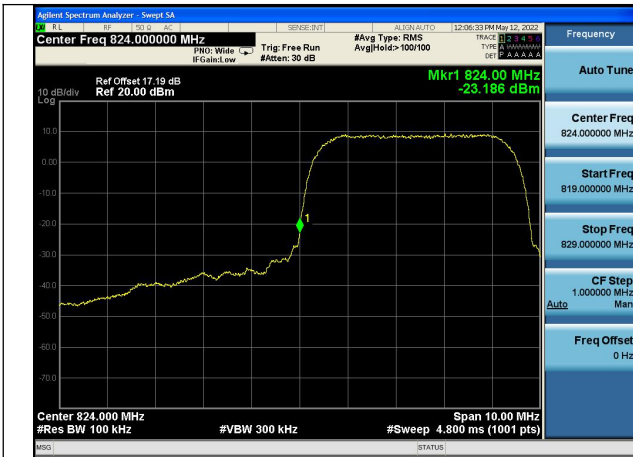
Channel 4132 1GHz~20GHz(dBm)

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

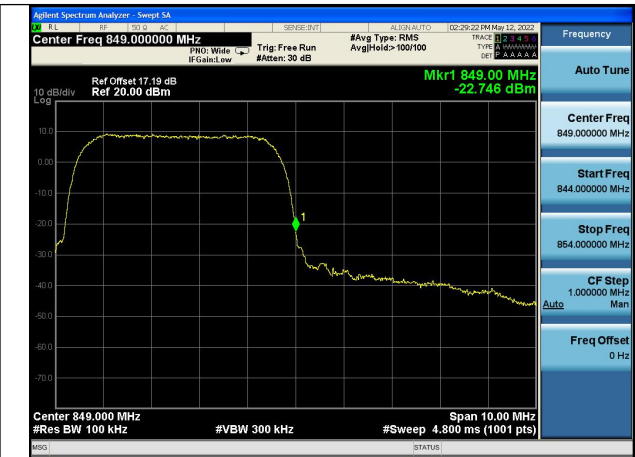
5. Band Edges Compliance

WCDMA band V

Test Mode: Release 99

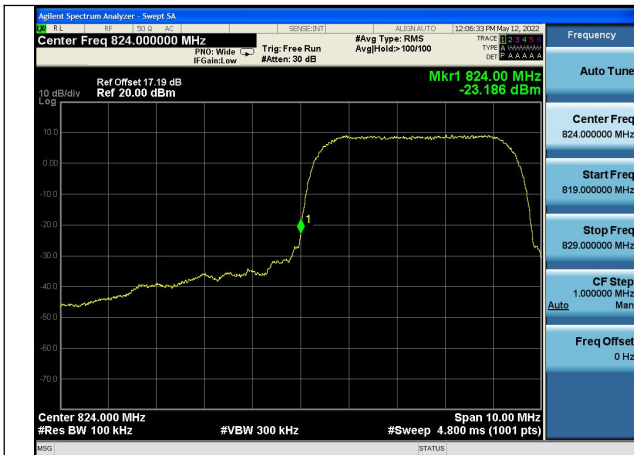


Channel 4132



Channel 4233

Test Mode: HSDPA

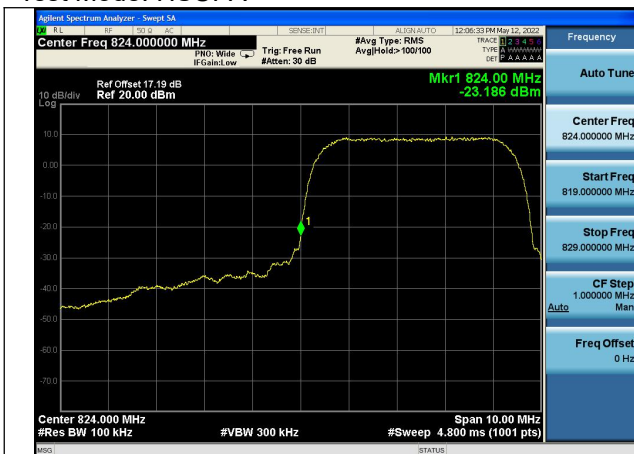


Channel 4132



Channel 4233

Test Mode: HSUPA



Channel 4132



Channel 4233



## 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	-0.032	0.009	-0.083
Release 99	-0	0.088	-0.002	-0.081
Release 99	+10	0.092	-0.07	0.045
Release 99	+20	0.037	0.065	0.039
Release 99	+30	0.034	-0.036	-0.027
Release 99	+40	-0.054	-0.008	0.004
Release 99	+50	0.012	0.05	-0.046
Release 99	+55	0.063	0.094	-0.007
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Release 99	LV	-0.004	-0.004	-0.031
Release 99	HV	-0.085	0.046	0.046

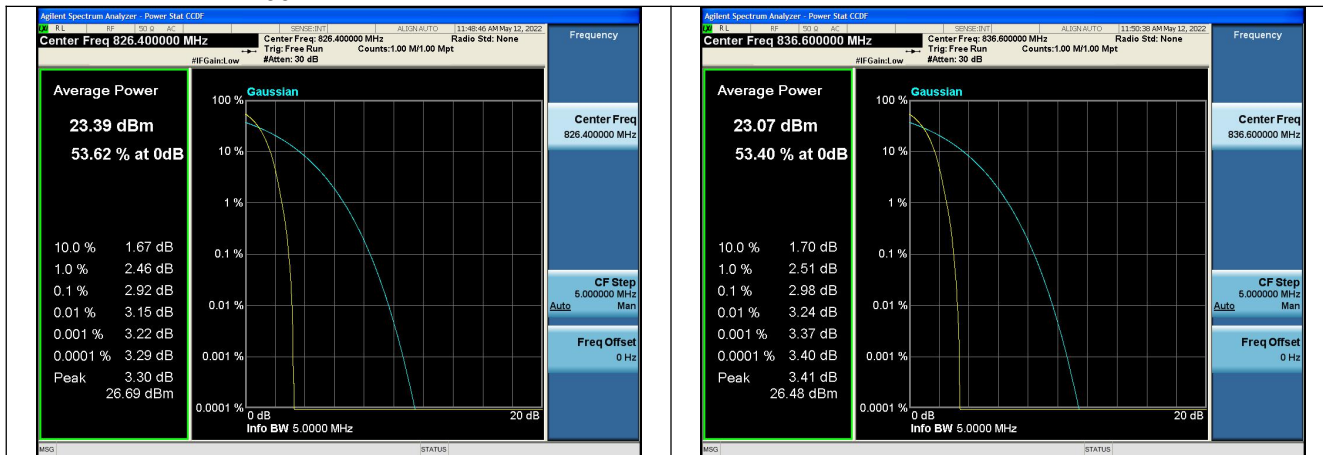
Test Mode: HSDPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	0.026	-0.025	-0.063
Subtest1	-0	-0.013	0.023	0.042
Subtest1	+10	-0.029	0.045	-0.059
Subtest1	+20	0.001	0.031	-0.068
Subtest1	+30	-0.035	-0.011	0.013
Subtest1	+40	-0.015	0.012	0.02
Subtest1	+50	0.016	-0.035	0.015
Subtest1	+55	-0.072	0.026	-0.002
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.037	0.054	0.06
Subtest1	HV	0.058	0.072	0.055

Test Mode: HSUPA

Name	Temperature(°C)	Test Result (ppm)@NV		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	-10	-0.012	0.057	-0.087
Subtest1	-0	0.071	0.074	-0.034
Subtest1	+10	-0.012	0.093	0.081
Subtest1	+20	-0.001	0.051	-0.053
Subtest1	+30	0.038	0.062	0.083
Subtest1	+40	0.003	-0.02	-0.076
Subtest1	+50	-0.016	-0.04	-0.014
Subtest1	+55	0	-0.079	-0.007
Name	Voltage	Test Result (ppm)@NT		
		Channel 4132	Channel 4183	Channel 4233
Subtest1	LV	0.034	-0.072	0.066
Subtest1	HV	0.022	-0.08	0.011

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



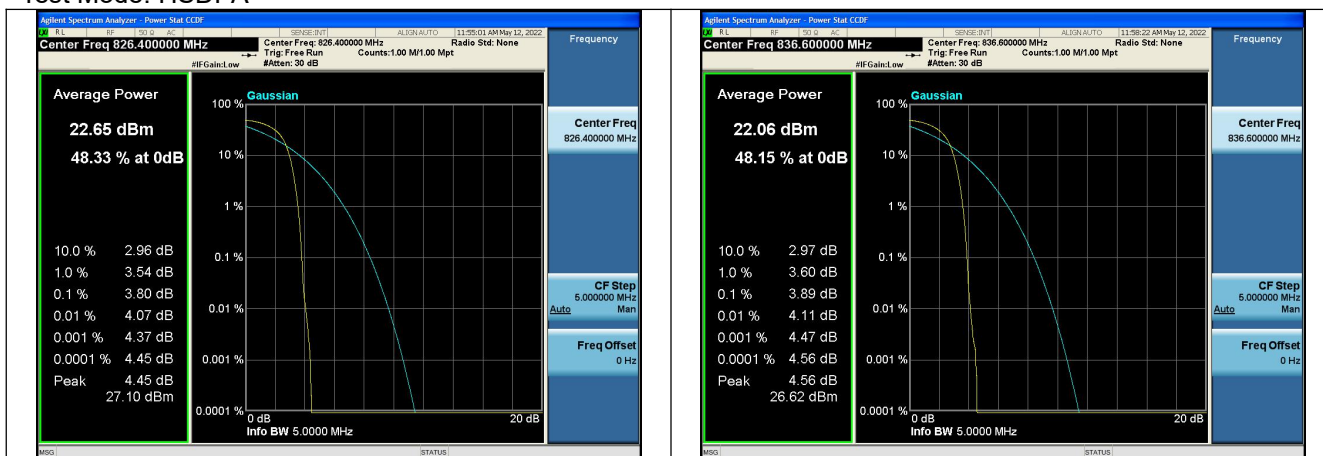
Channel 4132

Channel 4183



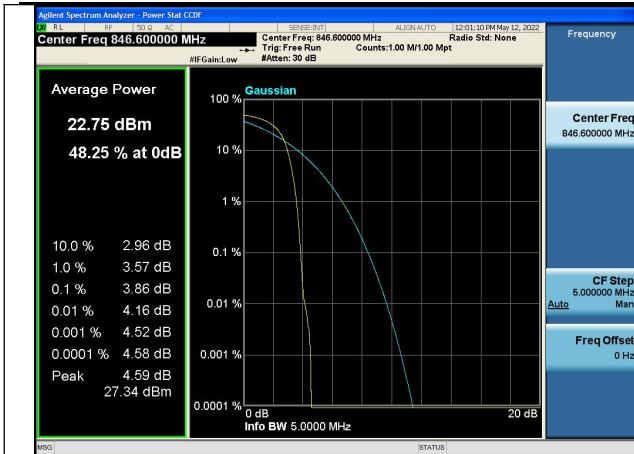
Channel 4233

Test Mode: HSDPA



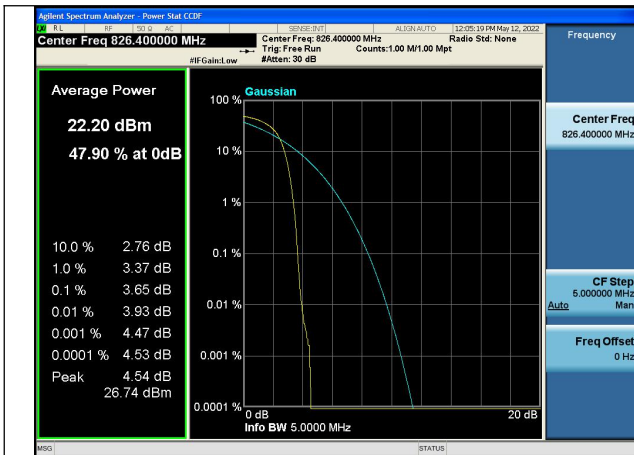
Channel 4132

Channel 4183

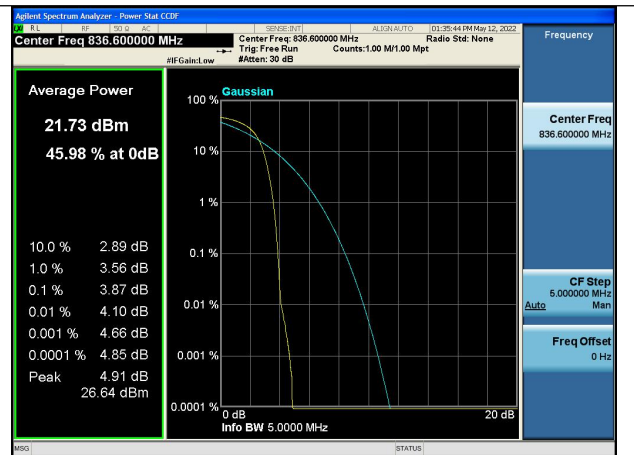


Channel 4233

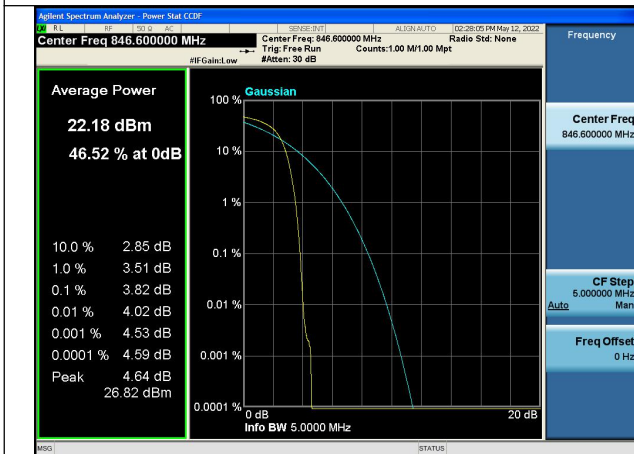
Test Mode: HSUPA



Channel 4132



Channel 4183



Channel 4233

## 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	23.16	21.51	0.142
Release 99	RMC,12.2kbps	836.6	4183	23.12	21.47	0.140
Release 99	RMC,12.2kbps	846.6	4233	23.94	22.29	0.169
Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSDPA	Subtest1	826.4	4132	23.67	22.02	0.159
HSDPA	Subtest1	836.6	4183	23.09	21.44	0.139
HSDPA	Subtest1	846.6	4233	23.96	22.31	0.170
HSDPA	Subtest2	826.4	4132	23.31	21.66	0.147
HSDPA	Subtest2	836.6	4183	22.73	21.08	0.128
HSDPA	Subtest2	846.6	4233	23.37	21.72	0.149
HSDPA	Subtest3	826.4	4132	23.19	21.54	0.143
HSDPA	Subtest3	836.6	4183	22.6	20.95	0.124
HSDPA	Subtest3	846.6	4233	23.24	21.59	0.144
HSDPA	Subtest4	826.4	4132	22.74	21.09	0.129
HSDPA	Subtest4	836.6	4183	22.13	20.48	0.112
HSDPA	Subtest4	846.6	4233	22.79	21.14	0.130
Mode		Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
HSUPA	Subtest1	826.4	4132	21.12	19.47	0.089
HSUPA	Subtest1	836.6	4183	20.09	18.44	0.070
HSUPA	Subtest1	846.6	4233	20.79	19.14	0.082
HSUPA	Subtest2	826.4	4132	20.43	18.78	0.076
HSUPA	Subtest2	836.6	4183	19.43	17.78	0.060
HSUPA	Subtest2	846.6	4233	18.07	16.42	0.044
HSUPA	Subtest3	826.4	4132	21.37	19.72	0.094
HSUPA	Subtest3	836.6	4183	20.59	18.94	0.078
HSUPA	Subtest3	846.6	4233	20.89	19.24	0.084
HSUPA	Subtest4	826.4	4132	20.65	19.00	0.079
HSUPA	Subtest4	836.6	4183	20.14	18.49	0.071
HSUPA	Subtest4	846.6	4233	20.44	18.79	0.076
HSUPA	Subtest5	826.4	4132	22.34	20.69	0.117
HSUPA	Subtest5	836.6	4183	21.6	19.95	0.099
HSUPA	Subtest5	846.6	4233	22.15	20.50	0.112

## **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:

WCDMA Mode:

Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.11	-49.17	-13	Vertical
2782.05	-47.38	-13	Vertical
3726.15	-41.14	-13	Vertical
6678.27	-40.00	-13	Vertical
9960.88	-37.45	-13	Vertical
17818.42	-33.91	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.93	-48.50	-13	Vertical
2778.55	-47.01	-13	Vertical
3728.25	-40.90	-13	Vertical
6675.97	-39.22	-13	Vertical
9959.57	-37.52	-13	Vertical
17820.15	-34.06	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.38	-48.70	-13	Vertical
2781.90	-47.46	-13	Vertical
3726.15	-41.04	-13	Vertical
6675.10	-40.12	-13	Vertical
9961.74	-37.11	-13	Vertical
17819.54	-33.51	-13	Vertical

HSDPA/HSUPA Mode:  
Channel 9262

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.93	-48.53	-13	Vertical
2781.59	-47.66	-13	Vertical
3727.91	-40.88	-13	Vertical
6678.15	-39.71	-13	Vertical
9963.24	-37.55	-13	Vertical
17818.92	-33.63	-13	Vertical

Channel 9400

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.68	-48.49	-13	Vertical
2781.45	-47.18	-13	Vertical
3727.98	-40.90	-13	Vertical
6677.05	-39.28	-13	Vertical
9960.12	-36.89	-13	Vertical
17819.27	-33.85	-13	Vertical

Channel 9538

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.47	-49.27	-13	Vertical
2781.42	-47.36	-13	Vertical
3725.76	-41.14	-13	Vertical
6677.22	-39.23	-13	Vertical
9962.38	-37.03	-13	Vertical
17822.13	-33.60	-13	Vertical

WCDMA band IV

Test result:

WCDMA Mode:

Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.37	-48.57	-13	Vertical
2780.12	-47.82	-13	Vertical
3724.42	-41.02	-13	Vertical
6676.22	-39.99	-13	Vertical
9962.24	-36.86	-13	Vertical
17821.77	-33.94	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.13	-48.84	-13	Vertical
2779.25	-47.14	-13	Vertical
3727.86	-40.78	-13	Vertical
6677.55	-39.81	-13	Vertical
9962.83	-36.97	-13	Vertical
17818.59	-33.52	-13	Vertical

Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.66	-48.60	-13	Vertical
2781.52	-47.25	-13	Vertical
3727.69	-40.57	-13	Vertical
6675.91	-39.67	-13	Vertical
9960.67	-37.20	-13	Vertical
17821.87	-33.53	-13	Vertical

HSDPA/HSUPA Mode:

Channel 1312

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.68	-49.37	-13	Vertical
2778.43	-47.75	-13	Vertical
3725.88	-40.98	-13	Vertical
6677.07	-39.71	-13	Vertical
9960.37	-37.47	-13	Vertical
17822.12	-33.87	-13	Vertical

Channel 1412

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.57	-48.50	-13	Vertical
2778.31	-46.95	-13	Vertical
3725.87	-40.83	-13	Vertical
6678.03	-39.59	-13	Vertical
9961.97	-36.94	-13	Vertical
17819.31	-34.04	-13	Vertical



Channel 1513

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.22	-49.47	-13	Vertical
2778.30	-47.60	-13	Vertical
3724.40	-40.72	-13	Vertical
6676.79	-39.40	-13	Vertical
9960.70	-36.87	-13	Vertical
17820.37	-33.57	-13	Vertical

WCDMA band V

Test result:

WCDMA Mode:

Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.26	-52.88	-13	Vertical
1665.61	-50.88	-13	Vertical
2535.60	-44.35	-13	Vertical
2576.56	-44.26	-13	Vertical
8964.13	-39.31	-13	Vertical
9973.48	-36.61	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.11	-53.07	-13	Vertical
1665.26	-51.57	-13	Vertical
2535.60	-44.68	-13	Vertical
2575.31	-44.55	-13	Vertical
8963.94	-39.30	-13	Vertical
9971.15	-36.00	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.68	-52.81	-13	Vertical
1665.54	-51.65	-13	Vertical
2534.75	-44.47	-13	Vertical
2575.60	-43.71	-13	Vertical
8961.59	-39.99	-13	Vertical
9970.99	-36.01	-13	Vertical

HSDPA/HSUPA Mode:  
Channel 4132

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.23	-53.45	-13	Vertical
1667.21	-50.98	-13	Vertical
2534.39	-44.62	-13	Vertical
2578.45	-44.61	-13	Vertical
8962.02	-39.33	-13	Vertical
9972.59	-36.46	-13	Vertical

Channel 4183

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.72	-53.01	-13	Vertical
1668.06	-51.49	-13	Vertical
2533.39	-43.84	-13	Vertical
2579.24	-43.69	-13	Vertical
8964.73	-39.43	-13	Vertical
9970.28	-36.18	-13	Vertical

Channel 4233

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.12	-52.97	-13	Vertical
1665.12	-51.57	-13	Vertical
2533.26	-44.63	-13	Vertical
2576.67	-44.19	-13	Vertical
8961.17	-39.10	-13	Vertical
9972.20	-36.81	-13	Vertical

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