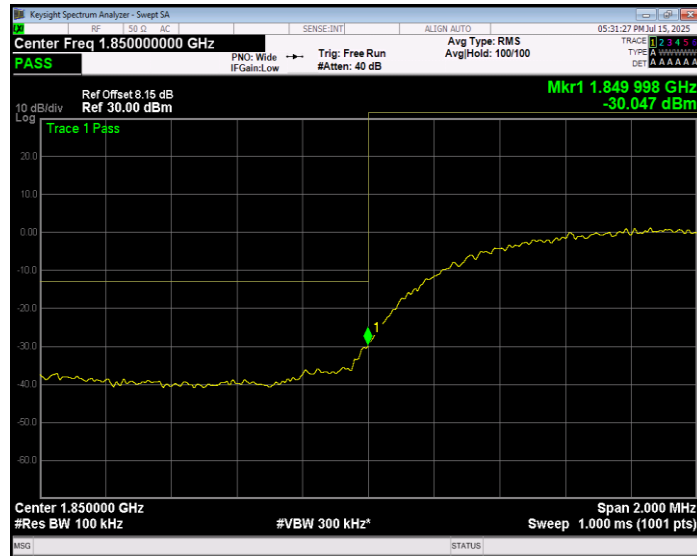


Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1850.00	-30.04	-13	PASS
WCDMA Band2	9538	1907.6	1910.00	-27.59	-13	PASS
WCDMA Band4	1312	1712.4	1709.87	-25.86	-13	PASS
WCDMA Band4	1513	1752.6	1755.01	-27.02	-13	PASS
WCDMA Band5	4132	826.4	824.00	-25.36	-13	PASS
WCDMA Band5	4233	846.6	849.00	-21.37	-13	PASS

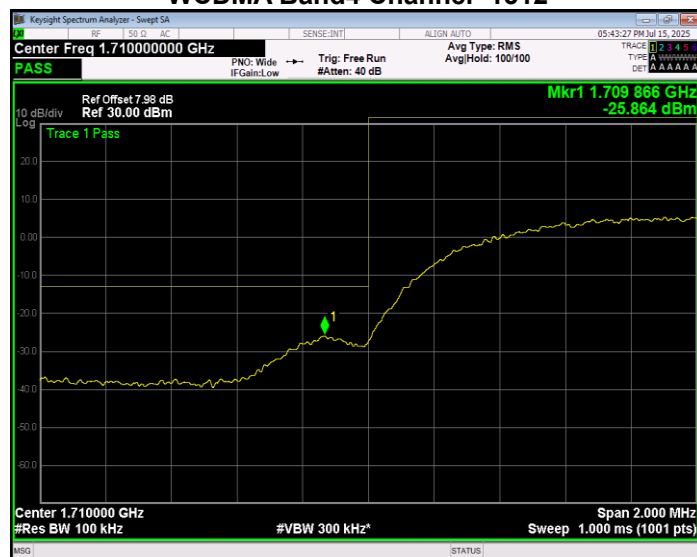
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9538



WCDMA Band4 Channel=1312



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



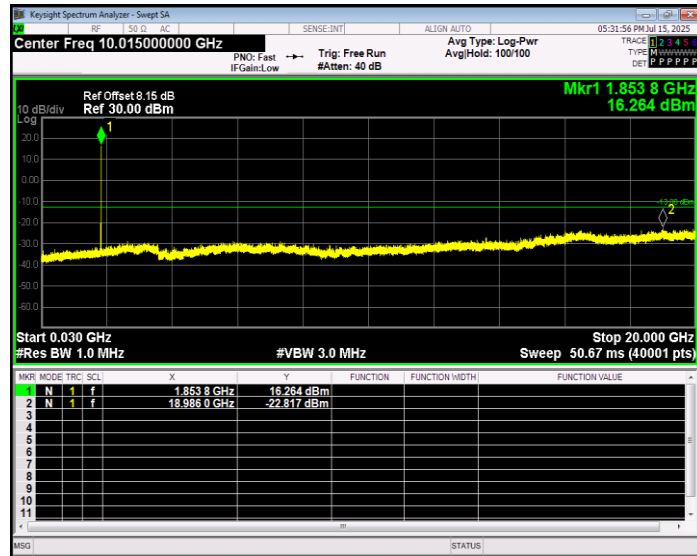
WCDMA Band5 Channel=4233



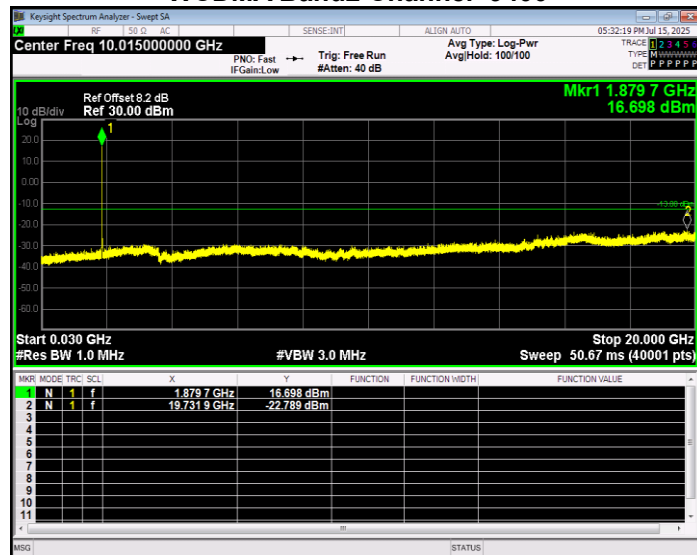
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	18986.02	-22.81	-13	PASS
WCDMA Band2	9400	1880	19731.90	-22.78	-13	PASS
WCDMA Band2	9538	1907.6	18902.15	-22.00	-13	PASS
WCDMA Band4	1312	1712.4	18793.81	-23.18	-13	PASS
WCDMA Band4	1450	1740	19678.48	-23.14	-13	PASS
WCDMA Band4	1513	1752.6	19639.04	-22.71	-13	PASS
WCDMA Band5	4132	826.4	2667.56	-30.08	-13	PASS
WCDMA Band5	4182	836.4	6012.75	-29.78	-13	PASS
WCDMA Band5	4233	846.6	6988.06	-29.46	-13	PASS

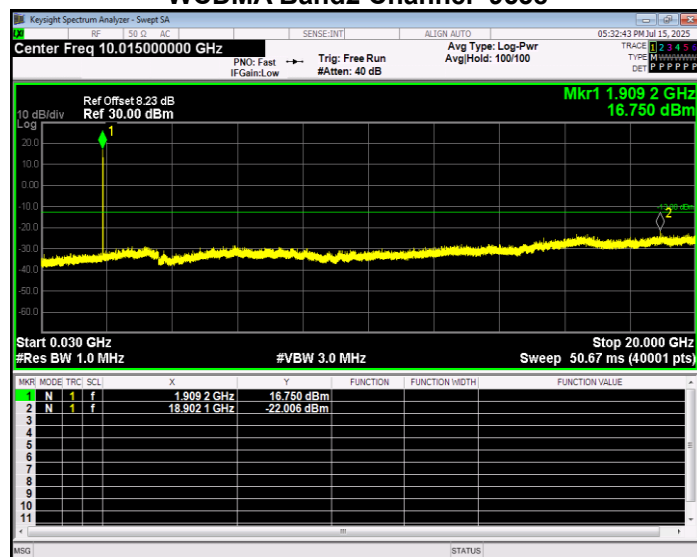
WCDMA Band2 Channel=9262



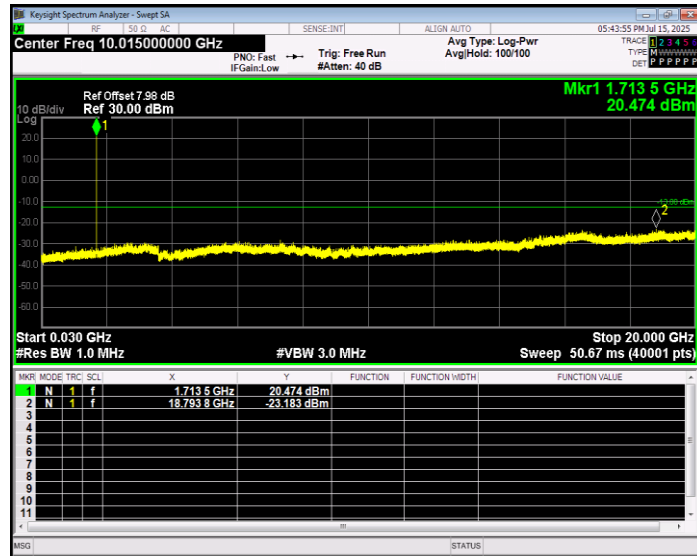
WCDMA Band2 Channel=9400



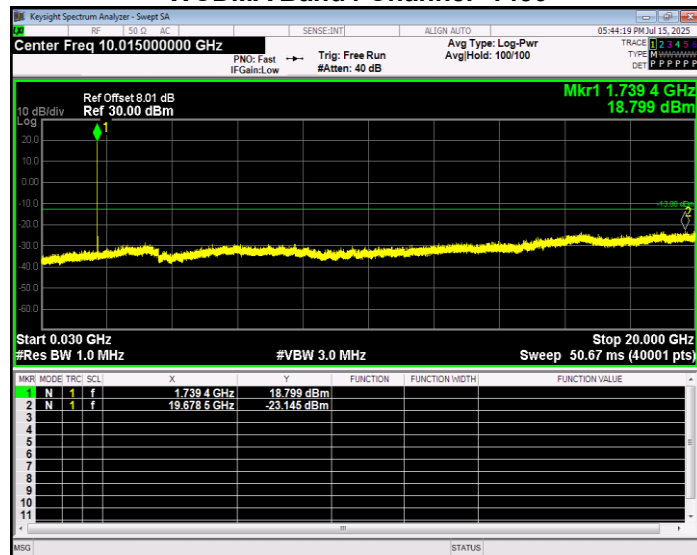
WCDMA Band2 Channel=9538



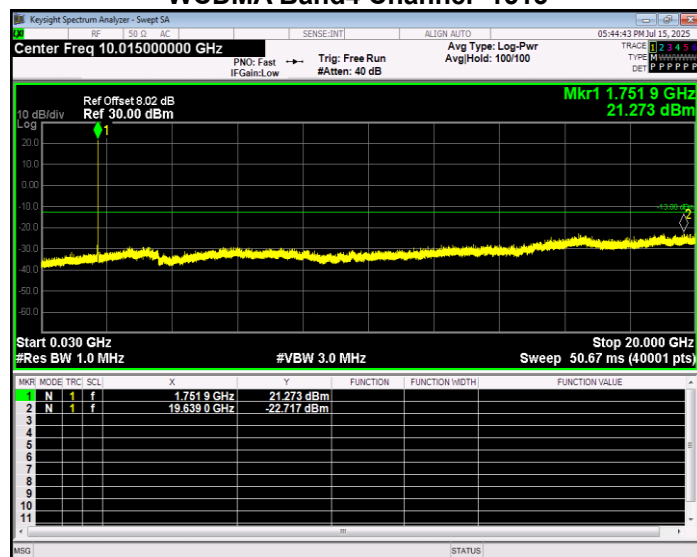
WCDMA Band4 Channel=1312



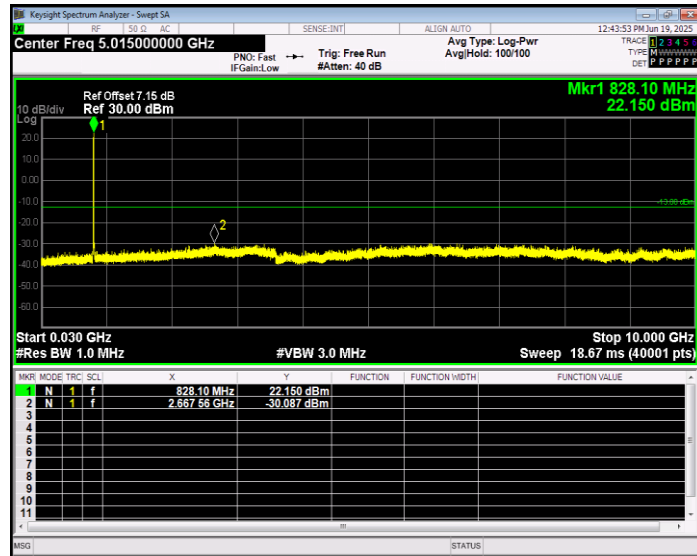
WCDMA Band4 Channel=1450



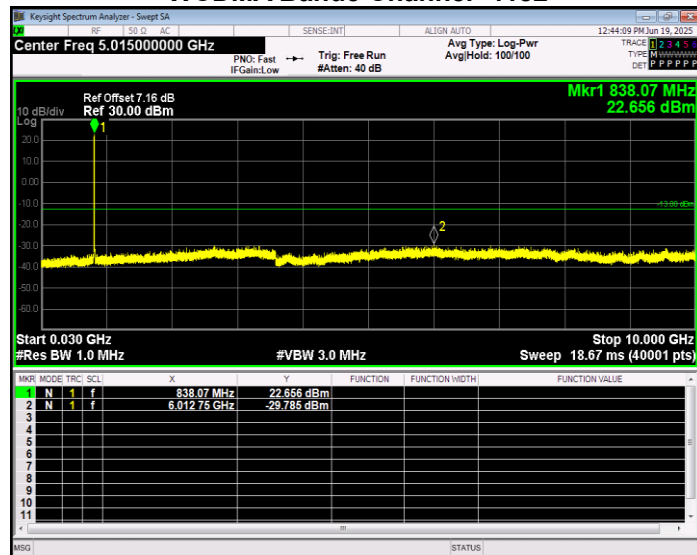
WCDMA Band4 Channel=1513



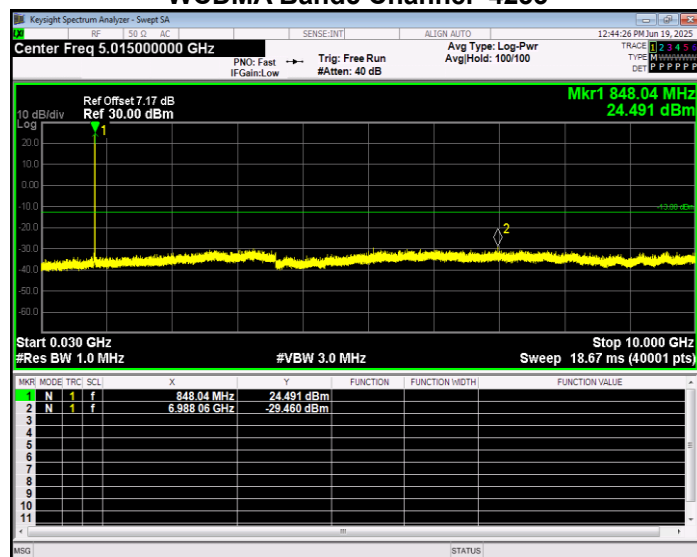
WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4182



WCDMA Band5 Channel=4233



RADIATED SPURIOUS EMISSION

Note: (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

WCDMA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.18	-33.47	7.00	12.93	-39.40	-13.00	-26.40	H
5557.50	-27.53	8.20	17.11	-36.44	-13.00	-23.44	H
7409.49	-23.31	8.10	22.20	-37.41	-13.00	-24.41	H
3704.30	-32.71	7.00	12.93	-38.64	-13.00	-25.64	V
5557.38	-27.25	8.20	17.11	-36.16	-13.00	-23.16	V
7409.78	-23.43	8.10	22.20	-37.53	-13.00	-24.53	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.16	-32.41	7.00	12.93	-38.34	-13.00	-25.34	H
5640.19	-27.35	8.20	17.11	-36.26	-13.00	-23.26	H
7519.90	-23.14	8.10	22.20	-37.24	-13.00	-24.24	H
3760.21	-33.13	7.00	12.93	-39.06	-13.00	-26.06	V
5640.10	-27.62	8.20	17.11	-36.53	-13.00	-23.53	V
7519.92	-23.34	8.10	22.20	-37.44	-13.00	-24.44	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.72	-32.10	7.00	12.93	-38.03	-13.00	-25.03	H
5722.29	-27.48	8.20	17.11	-36.39	-13.00	-23.39	H
7630.32	-23.20	8.10	22.20	-37.30	-13.00	-24.30	H
3815.50	-32.51	7.00	12.93	-38.44	-13.00	-25.44	V
5722.07	-27.95	8.20	17.11	-36.86	-13.00	-23.86	V
7630.06	-23.22	8.10	22.20	-37.32	-13.00	-24.32	V

HSUPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.24	-32.56	7.00	12.93	-38.49	-13.00	-25.49	H
5557.22	-27.90	8.20	17.11	-36.81	-13.00	-23.81	H
7409.59	-23.16	8.10	22.20	-37.26	-13.00	-24.26	H
3704.28	-32.72	7.00	12.93	-38.65	-13.00	-25.65	V
5557.57	-28.24	8.20	17.11	-37.15	-13.00	-24.15	V
7409.91	-22.51	8.10	22.20	-36.61	-13.00	-23.61	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.98	-32.29	7.00	12.93	-38.22	-13.00	-25.22	H
5640.17	-27.29	8.20	17.11	-36.20	-13.00	-23.20	H
7520.09	-23.17	8.10	22.20	-37.27	-13.00	-24.27	H
3760.08	-32.09	7.00	12.93	-38.02	-13.00	-25.02	V
5639.86	-27.79	8.20	17.11	-36.70	-13.00	-23.70	V
7519.96	-22.18	8.10	22.20	-36.28	-13.00	-23.28	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.25	-33.49	7.00	12.93	-39.42	-13.00	-26.42	H
5722.18	-27.27	8.20	17.11	-36.18	-13.00	-23.18	H
7630.11	-23.47	8.10	22.20	-37.57	-13.00	-24.57	H
3815.64	-32.60	7.00	12.93	-38.53	-13.00	-25.53	V
5722.50	-27.89	8.20	17.11	-36.80	-13.00	-23.80	V
7629.98	-22.77	8.10	22.20	-36.87	-13.00	-23.87	V

HSDPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.24	-32.07	7.00	12.93	-38.00	-13.00	-25.00	H
5557.42	-27.51	8.20	17.11	-36.42	-13.00	-23.42	H
7409.60	-22.45	8.10	22.20	-36.55	-13.00	-23.55	H
3704.44	-33.47	7.00	12.93	-39.40	-13.00	-26.40	V
5557.25	-27.56	8.20	17.11	-36.47	-13.00	-23.47	V
7409.79	-22.10	8.10	22.20	-36.20	-13.00	-23.20	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.91	-32.69	7.00	12.93	-38.62	-13.00	-25.62	H
5640.10	-27.93	8.20	17.11	-36.84	-13.00	-23.84	H
7520.05	-22.47	8.10	22.20	-36.57	-13.00	-23.57	H
3760.05	-32.03	7.00	12.93	-37.96	-13.00	-24.96	V
5640.31	-27.29	8.20	17.11	-36.20	-13.00	-23.20	V
7520.07	-22.76	8.10	22.20	-36.86	-13.00	-23.86	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.50	-32.42	7.00	12.93	-38.35	-13.00	-25.35	H
5722.10	-27.46	8.20	17.11	-36.37	-13.00	-23.37	H
7630.15	-22.76	8.10	22.20	-36.86	-13.00	-23.86	H
3815.47	-33.23	7.00	12.93	-39.16	-13.00	-26.16	V
5722.08	-28.02	8.20	17.11	-36.93	-13.00	-23.93	V
7630.08	-22.54	8.10	22.20	-36.64	-13.00	-23.64	V

WCDMA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.89	-33.20	7.20	12.05	-38.05	-13.00	-25.05	H
5137.61	-27.05	7.90	16.27	-35.42	-13.00	-22.42	H
6850.40	-24.59	8.30	20.13	-36.42	-13.00	-23.42	H
3424.81	-32.81	7.20	12.05	-37.66	-13.00	-24.66	V
5137.61	-27.49	7.90	16.27	-35.86	-13.00	-22.86	V
6849.91	-24.96	8.30	20.13	-36.79	-13.00	-23.79	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.63	-32.97	7.20	12.05	-37.82	-13.00	-24.82	H
5219.71	-27.87	7.90	16.27	-36.24	-13.00	-23.24	H
6959.81	-25.17	8.30	20.13	-37.00	-13.00	-24.00	H
3479.91	-32.23	7.20	12.05	-37.08	-13.00	-24.08	V
5219.69	-27.57	7.90	16.27	-35.94	-13.00	-22.94	V
6959.92	-24.88	8.30	20.13	-36.71	-13.00	-23.71	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.35	-32.20	7.20	12.05	-37.05	-13.00	-24.05	H
5256.84	-27.93	7.90	16.27	-36.30	-13.00	-23.30	H
7009.60	-24.38	8.30	20.13	-36.21	-13.00	-23.21	H
3504.46	-32.04	7.20	12.05	-36.89	-13.00	-23.89	V
5257.03	-28.40	7.90	16.27	-36.77	-13.00	-23.77	V
7009.56	-25.46	8.30	20.13	-37.29	-13.00	-24.29	V

HSUPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3425.00	-32.84	7.20	12.05	-37.69	-13.00	-24.69	H
5137.33	-27.41	7.90	16.27	-35.78	-13.00	-22.78	H
6849.96	-24.21	8.30	20.13	-36.04	-13.00	-23.04	H
3425.11	-32.64	7.20	12.05	-37.49	-13.00	-24.49	V
5137.74	-27.94	7.90	16.27	-36.31	-13.00	-23.31	V
6849.91	-24.44	8.30	20.13	-36.27	-13.00	-23.27	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.72	-33.49	7.20	12.05	-38.34	-13.00	-25.34	H
5219.71	-28.30	7.90	16.27	-36.67	-13.00	-23.67	H
6959.84	-24.22	8.30	20.13	-36.05	-13.00	-23.05	H
3479.56	-32.41	7.20	12.05	-37.26	-13.00	-24.26	V
5219.51	-27.64	7.90	16.27	-36.01	-13.00	-23.01	V
6959.98	-24.58	8.30	20.13	-36.41	-13.00	-23.41	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.59	-33.47	7.20	12.05	-38.32	-13.00	-25.32	H
5256.82	-27.78	7.90	16.27	-36.15	-13.00	-23.15	H
7009.44	-24.08	8.30	20.13	-35.91	-13.00	-22.91	H
3504.48	-33.25	7.20	12.05	-38.10	-13.00	-25.10	V
5257.05	-28.41	7.90	16.27	-36.78	-13.00	-23.78	V
7009.27	-24.87	8.30	20.13	-36.70	-13.00	-23.70	V

HSDPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3424.80	-32.34	7.20	12.05	-37.19	-13.00	-24.19	H
5137.64	-28.04	7.90	16.27	-36.41	-13.00	-23.41	H
6850.13	-25.07	8.30	20.13	-36.90	-13.00	-23.90	H
3424.92	-32.71	7.20	12.05	-37.56	-13.00	-24.56	V
5137.38	-27.96	7.90	16.27	-36.33	-13.00	-23.33	V
6850.20	-25.38	8.30	20.13	-37.21	-13.00	-24.21	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.64	-32.71	7.20	12.05	-37.56	-13.00	-24.56	H
5219.61	-27.31	7.90	16.27	-35.68	-13.00	-22.68	H
6959.79	-24.65	8.30	20.13	-36.48	-13.00	-23.48	H
3479.62	-32.24	7.20	12.05	-37.09	-13.00	-24.09	V
5219.87	-27.47	7.90	16.27	-35.84	-13.00	-22.84	V
6959.89	-24.79	8.30	20.13	-36.62	-13.00	-23.62	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.53	-33.40	7.20	12.05	-38.25	-13.00	-25.25	H
5256.88	-27.65	7.90	16.27	-36.02	-13.00	-23.02	H
7009.53	-24.34	8.30	20.13	-36.17	-13.00	-23.17	H
3504.50	-32.83	7.20	12.05	-37.68	-13.00	-24.68	V
5256.89	-27.85	7.90	16.27	-36.22	-13.00	-23.22	V
7009.30	-24.07	8.30	20.13	-35.90	-13.00	-22.90	V

WCDMA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.29	-40.17	7.40	4.75	-37.52	-13.00	-24.52	H
2479.51	-33.59	8.30	8.39	-33.68	-13.00	-20.68	H
3305.57	-29.49	7.20	11.79	-34.08	-13.00	-21.08	H
1652.14	-39.85	7.40	4.75	-37.20	-13.00	-24.20	V
2479.59	-33.39	8.30	8.39	-33.48	-13.00	-20.48	V
3305.92	-29.74	7.20	11.79	-34.33	-13.00	-21.33	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.96	-39.91	7.40	4.75	-37.26	-13.00	-24.26	H
2509.91	-34.37	8.30	8.39	-34.46	-13.00	-21.46	H
3346.20	-29.44	7.20	11.79	-34.03	-13.00	-21.03	H
1673.09	-39.61	7.40	4.75	-36.96	-13.00	-23.96	V
2509.62	-34.47	8.30	8.39	-34.56	-13.00	-21.56	V
3346.09	-30.41	7.20	11.79	-35.00	-13.00	-22.00	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.38	-39.05	7.40	4.75	-36.40	-13.00	-23.40	H
2539.35	-33.68	8.30	8.39	-33.77	-13.00	-20.77	H
3386.21	-29.52	7.20	11.79	-34.11	-13.00	-21.11	H
1693.26	-39.45	7.40	4.75	-36.80	-13.00	-23.80	V
2539.12	-34.44	8.30	8.39	-34.53	-13.00	-21.53	V
3385.88	-29.44	7.20	11.79	-34.03	-13.00	-21.03	V

HSUPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.08	-39.06	7.40	4.75	-36.41	-13.00	-23.41	H
2479.23	-34.50	8.30	8.39	-34.59	-13.00	-21.59	H
3305.79	-29.34	7.20	11.79	-33.93	-13.00	-20.93	H
1652.34	-39.66	7.40	4.75	-37.01	-13.00	-24.01	V
2479.51	-33.91	8.30	8.39	-34.00	-13.00	-21.00	V
3305.74	-29.27	7.20	11.79	-33.86	-13.00	-20.86	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.23	-39.46	7.40	4.75	-36.81	-13.00	-23.81	H
2509.69	-33.47	8.30	8.39	-33.56	-13.00	-20.56	H
3346.19	-29.41	7.20	11.79	-34.00	-13.00	-21.00	H
1673.02	-39.70	7.40	4.75	-37.05	-13.00	-24.05	V
2509.51	-33.37	8.30	8.39	-33.46	-13.00	-20.46	V
3345.99	-29.41	7.20	11.79	-34.00	-13.00	-21.00	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.37	-39.19	7.40	4.75	-36.54	-13.00	-23.54	H
2539.17	-33.87	8.30	8.39	-33.96	-13.00	-20.96	H
3385.89	-29.45	7.20	11.79	-34.04	-13.00	-21.04	H
1693.68	-39.78	7.40	4.75	-37.13	-13.00	-24.13	V
2539.06	-33.27	8.30	8.39	-33.36	-13.00	-20.36	V
3386.05	-29.32	7.20	11.79	-33.91	-13.00	-20.91	V

HSDPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.48	-39.70	7.40	4.75	-37.05	-13.00	-24.05	H
2479.58	-33.18	8.30	8.39	-33.27	-13.00	-20.27	H
3305.48	-29.78	7.20	11.79	-34.37	-13.00	-21.37	H
1652.13	-39.68	7.40	4.75	-37.03	-13.00	-24.03	V
2479.30	-34.38	8.30	8.39	-34.47	-13.00	-21.47	V
3305.57	-29.49	7.20	11.79	-34.08	-13.00	-21.08	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.06	-39.25	7.40	4.75	-36.60	-13.00	-23.60	H
2509.78	-33.35	8.30	8.39	-33.44	-13.00	-20.44	H
3346.01	-29.84	7.20	11.79	-34.43	-13.00	-21.43	H
1673.12	-39.30	7.40	4.75	-36.65	-13.00	-23.65	V
2509.63	-33.34	8.30	8.39	-33.43	-13.00	-20.43	V
3346.36	-30.06	7.20	11.79	-34.65	-13.00	-21.65	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.19	-39.04	7.40	4.75	-36.39	-13.00	-23.39	H
2539.43	-33.79	8.30	8.39	-33.88	-13.00	-20.88	H
3385.95	-29.06	7.20	11.79	-33.65	-13.00	-20.65	H
1693.23	-39.20	7.40	4.75	-36.55	-13.00	-23.55	V
2539.51	-33.52	8.30	8.39	-33.61	-13.00	-20.61	V
3386.00	-29.40	7.20	11.79	-33.99	-13.00	-20.99	V

APPENDIX II- PHOTOS OF TEST SETUP

Note: Please see the attached RF_Test Setup photos for FCC ID & IC.

※※※※※END OF THE REPORT※※※※※