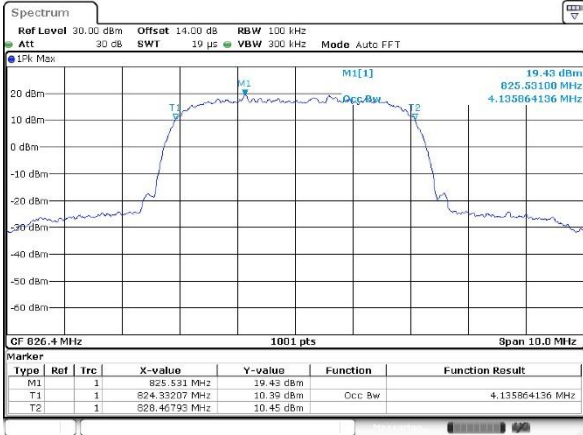




WCDMA Band V (RMC 12.2Kbps)

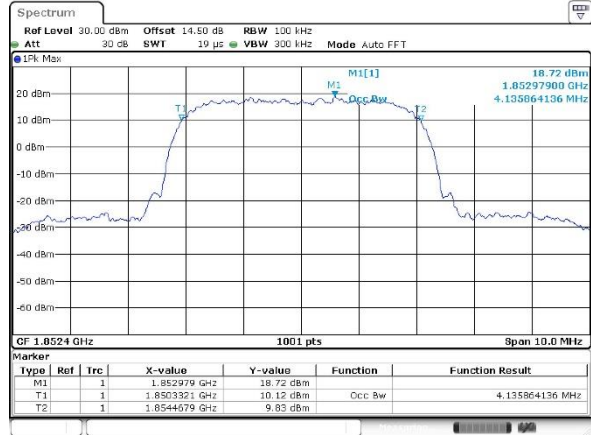
Lowest Channel



Date: 25-763-2325 06:19:37

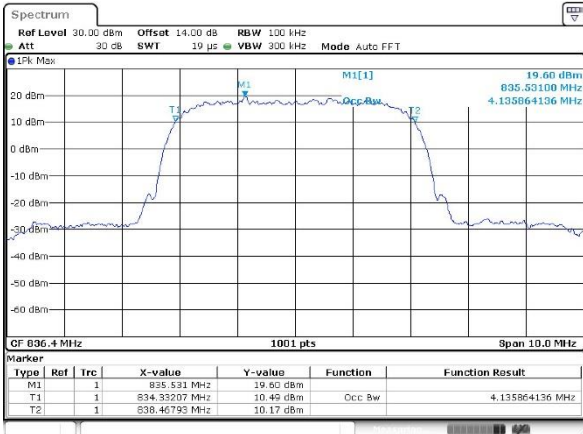
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



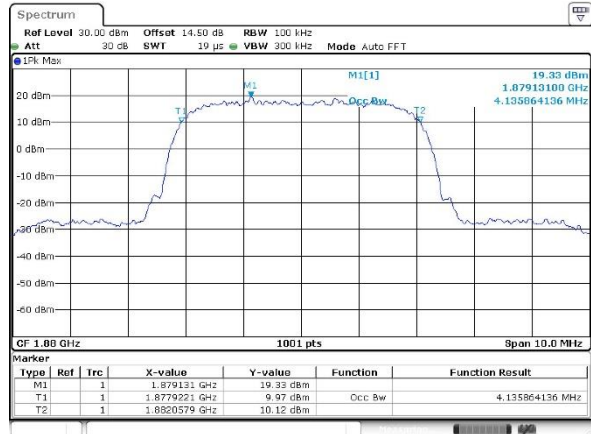
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Middle Channel



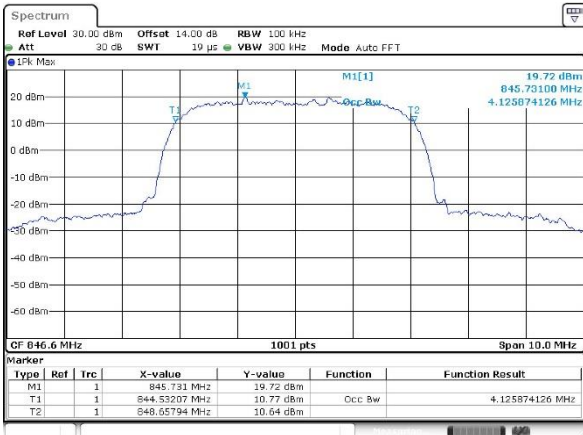
Date: 25-763-2325 06:21:24

Middle Channel



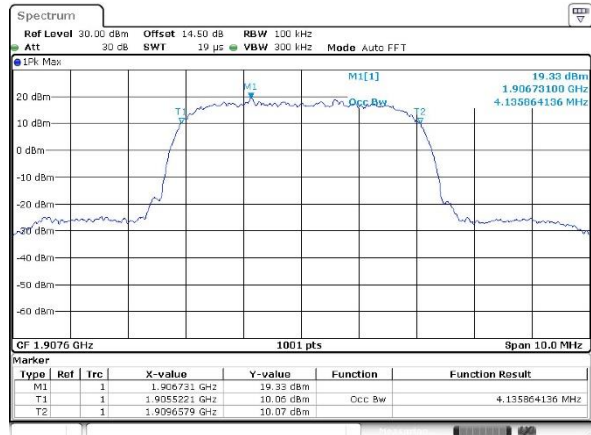
Date: 25-763-2325 06:40:40

Highest Channel



Date: 25-763-2325 06:23:22

Highest Channel

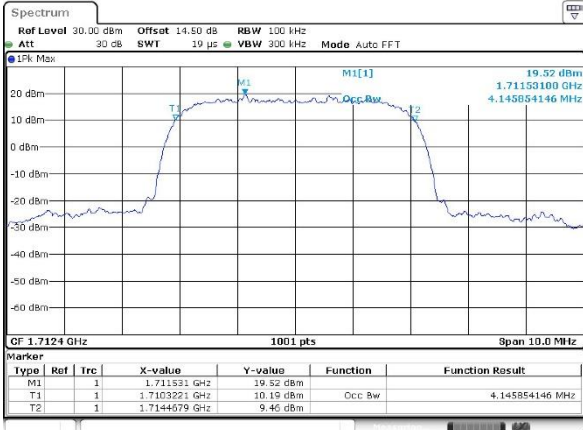


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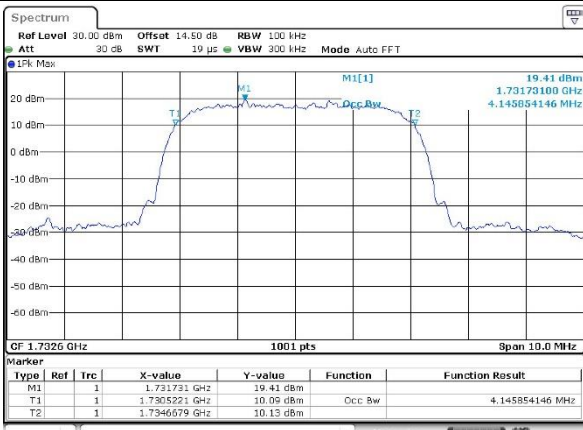
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



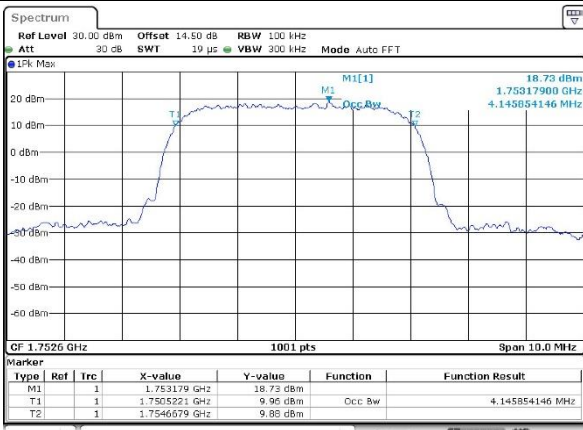
Date: 25-763-2325 66:07:44

Middle Channel



Date: 25-763-2325 66:11:19

Highest Channel



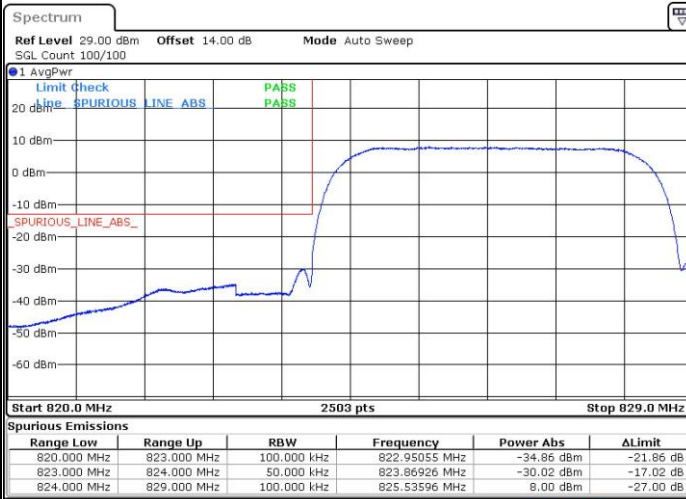
Date: 25-763-2325 66:14:04



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

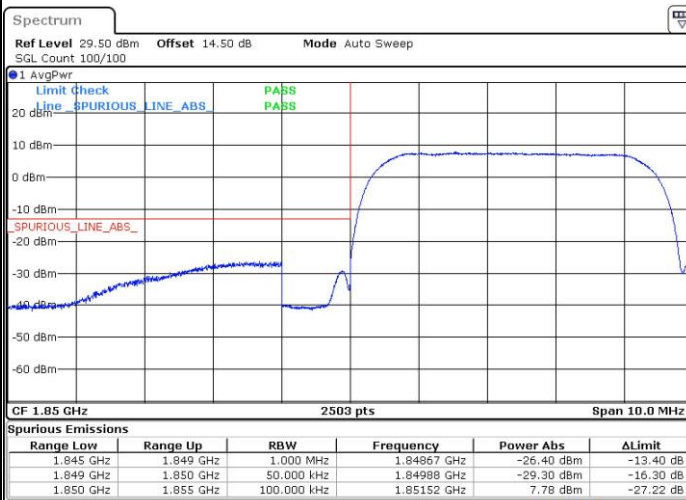


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Date: 25.FEB.2025 06:22:59

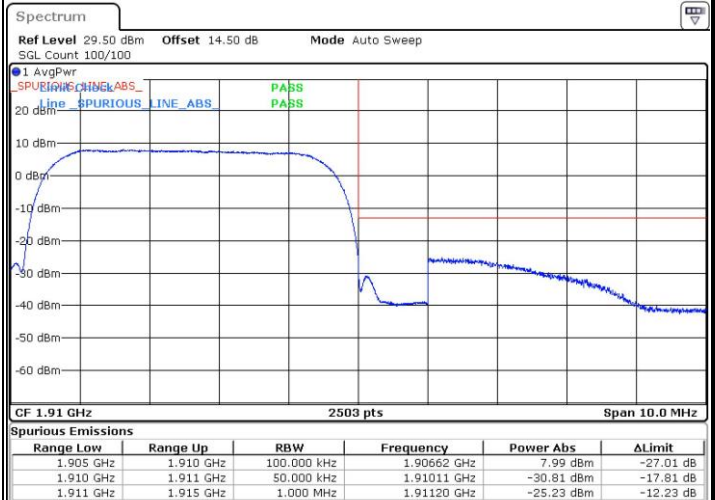
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

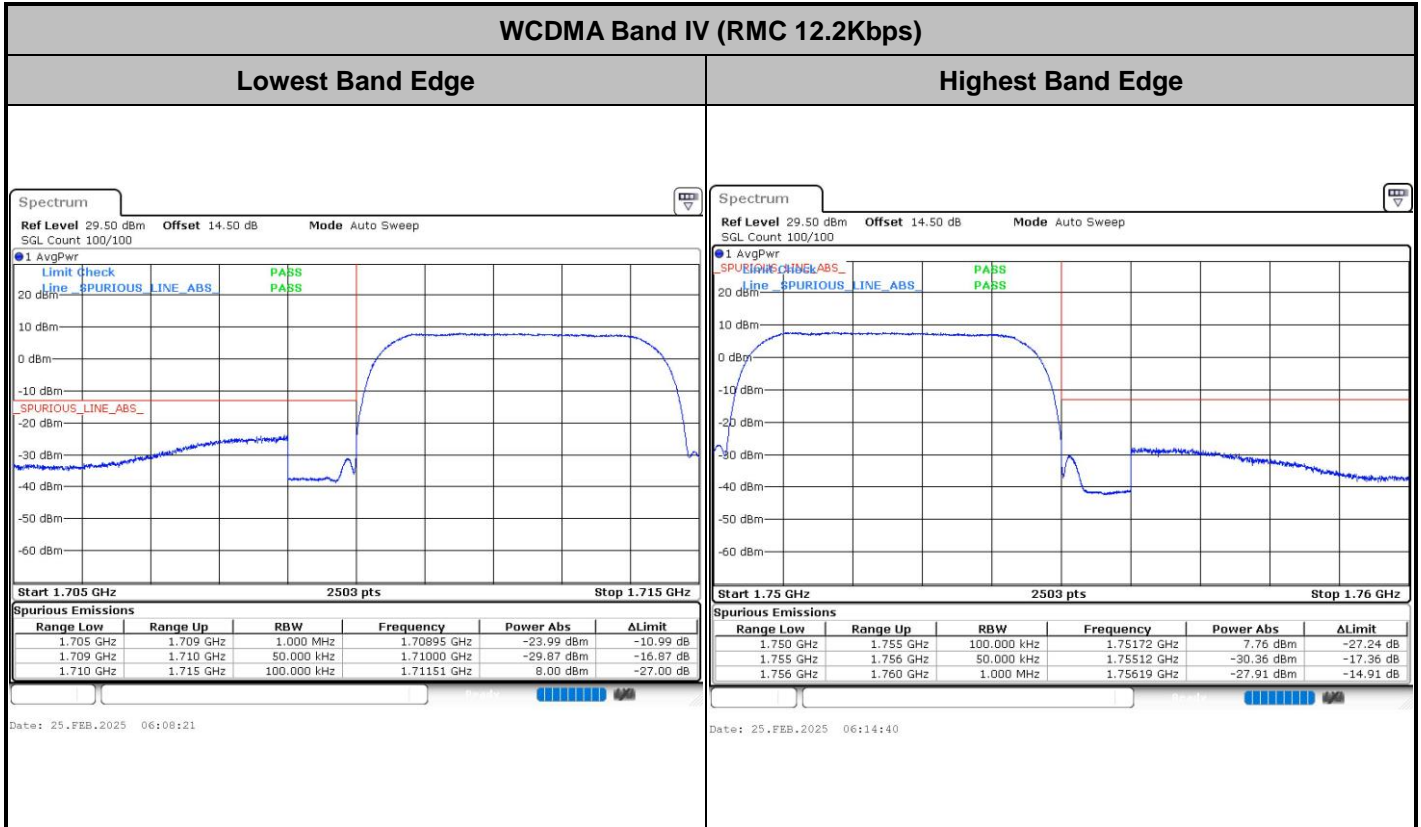


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Highest Band Edge

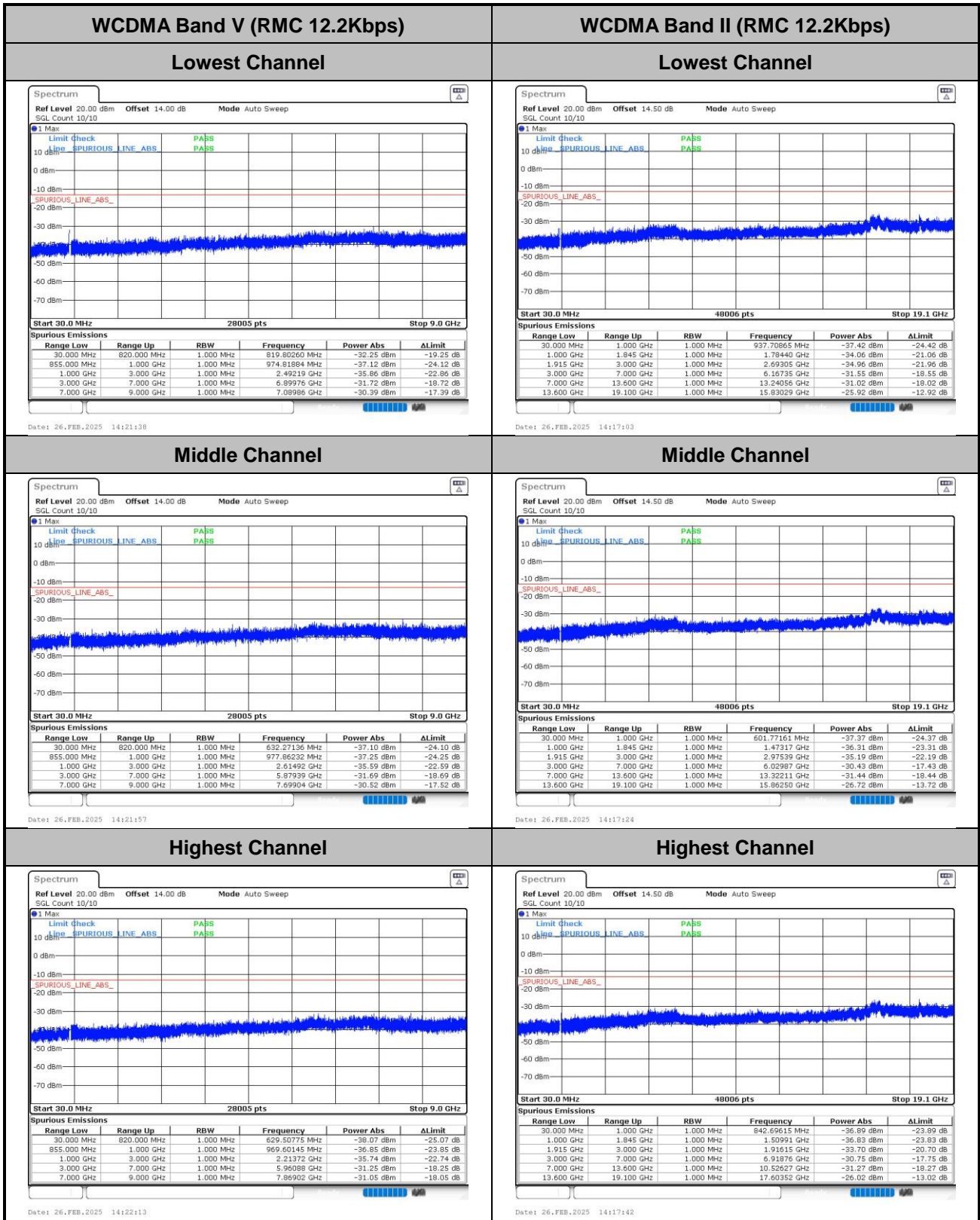


Date: 25.FEB.2025 06:06:38





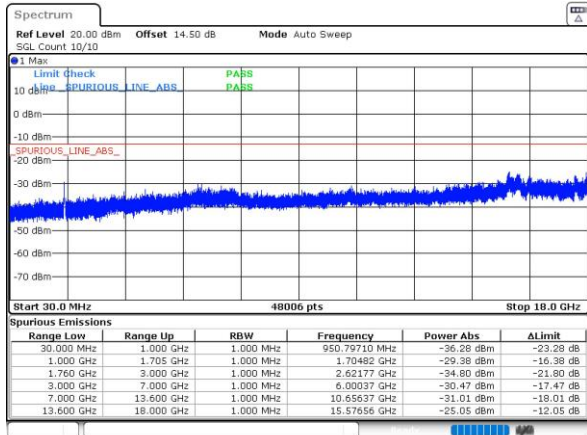
Conducted Spurious Emission



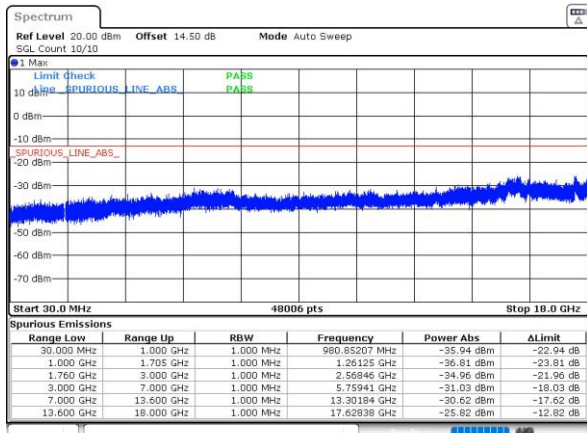


WCDMA Band IV (RMC 12.2Kbps)

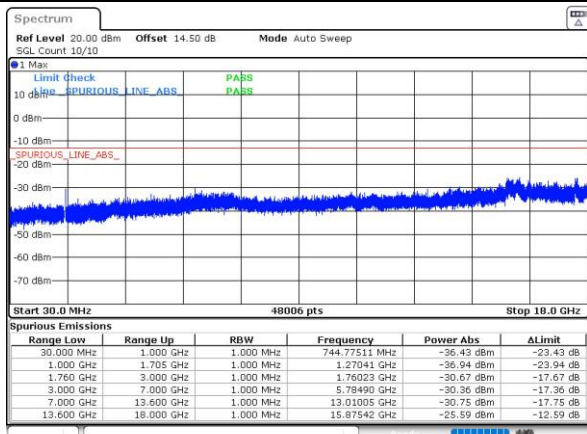
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0045	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	2.6	PASS
40	Normal Voltage	3.8	
30	Normal Voltage	-4.6	
20(Ref.)	Normal Voltage	3.2	
10	Normal Voltage	1.9	
0	Normal Voltage	4.8	
-10	Normal Voltage	-3.5	
-20	Normal Voltage	2.5	
-30	Normal Voltage	1.8	
20	Maximum Voltage	3.5	
20	Normal Voltage	-4.3	
20	Battery End Point	3.2	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	1.9	PASS
40	Normal Voltage	2.6	
30	Normal Voltage	-3.9	
20(Ref.)	Normal Voltage	3.2	
10	Normal Voltage	4.3	
0	Normal Voltage	3.6	
-10	Normal Voltage	-1.9	
-20	Normal Voltage	5.5	
-30	Normal Voltage	2.9	
20	Maximum Voltage	5.2	
20	Normal Voltage	-4.2	
20	Battery End Point	2.9	

Note:

1. Normal Voltage = 3.91V. ; Battery End Point (BEP) = 3.45 V.; Maximum Voltage =4.5 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

|MAX(Δf)= 4.8Hz

Frequency Stability	WCDMA Band II Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	1850.332095	$\geq 1850MHz$	PASS
$f_H + MAX(\Delta f) $	1909.667905	$\leq 1910MHz$	

|MAX(Δf)= 5.5Hz

Frequency Stability	WCDMA Band IV Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	1710.005195	$\geq 1710MHz$	PASS
$f_H + MAX(\Delta f) $	1754.667905	$\leq 1755MHz$	



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850 (GSM)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648.4	-50.48	-13	-37.48	-60.40	-53.71	3.98	9.36	H
	2472.6	-40.90	-13	-27.90	-55.37	-44.45	4.85	10.55	H
	3296.8	-59.48	-13	-46.48	-75.98	-64.41	5.50	12.58	H
	4121	-55.26	-13	-42.26	-75.15	-59.73	5.98	12.60	H
	1648.4	-54.64	-13	-41.64	-64.30	-57.87	3.98	9.36	V
	2472.6	-40.47	-13	-27.47	-54.91	-44.02	4.85	10.55	V
	3296.8	-56.19	-13	-43.19	-72.50	-61.12	5.50	12.58	V
	4121	-52.37	-13	-39.37	-72.27	-56.84	5.98	12.60	V
Middle	1672.8	-52.42	-13	-39.42	-62.38	-55.67	4.00	9.40	H
	2509.2	-39.11	-13	-26.11	-53.51	-42.68	4.88	10.60	H
	3345.6	-56.73	-13	-43.73	-72.72	-61.66	5.52	12.60	H
	4182	-57.38	-13	-44.38	-77.37	-61.85	6.00	12.62	H
	1672.8	-54.25	-13	-41.25	-63.66	-57.50	4.00	9.40	V
	2509.2	-36.85	-13	-23.85	-51.21	-40.42	4.88	10.60	V
	3345.6	-53.79	-13	-40.79	-69.51	-58.72	5.52	12.60	V
	4182	-56.24	-13	-43.24	-76.24	-60.71	6.00	12.62	V
Highest	1697.6	-55.43	-13	-42.43	-65.45	-58.60	4.10	9.42	H
	2546.4	-53.12	-13	-40.12	-67.65	-56.70	4.90	10.63	H
	3395.2	-59.87	-13	-46.87	-76.22	-64.79	5.55	12.62	H
	4244	-61.06	-13	-48.06	-80.97	-65.54	6.02	12.65	H
	1697.6	-54.17	-13	-41.17	-63.67	-57.34	4.10	9.42	V
	2546.4	-50.98	-13	-37.98	-65.45	-54.56	4.90	10.63	V
	3395.2	-56.44	-13	-43.44	-72.91	-61.36	5.55	12.62	V
	4244	-58.48	-13	-45.48	-78.71	-62.96	6.02	12.65	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM850 (EDGE 1 Tx slots)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648.4	-52.17	-13	-39.17	-62.09	-55.40	3.98	9.36	H
	2472.6	-41.73	-13	-28.73	-56.20	-45.28	4.85	10.55	H
	3296.8	-60.08	-13	-47.08	-76.58	-65.01	5.50	12.58	H
	4121	-57.09	-13	-44.09	-76.98	-61.56	5.98	12.60	H
	1648.4	-51.84	-13	-38.84	-61.50	-55.07	3.98	9.36	V
	2472.6	-36.92	-13	-23.92	-51.36	-40.47	4.85	10.55	V
	3296.8	-55.31	-13	-42.31	-71.62	-60.24	5.50	12.58	V
	4121	-53.95	-13	-40.95	-73.85	-58.42	5.98	12.60	V
Middle	1672.8	-54.79	-13	-41.79	-64.75	-58.04	4.00	9.40	H
	2509.2	-45.15	-13	-32.15	-59.55	-48.72	4.88	10.60	H
	3345.6	-61.09	-13	-48.09	-77.08	-66.02	5.52	12.60	H
	4182	-57.20	-13	-44.20	-77.19	-61.67	6.00	12.62	H
	1672.8	-54.11	-13	-41.11	-63.52	-57.36	4.00	9.40	V
	2509.2	-40.68	-13	-27.68	-55.04	-44.25	4.88	10.60	V
	3345.6	-58.71	-13	-45.71	-74.43	-63.64	5.52	12.60	V
	4182	-53.64	-13	-40.64	-73.64	-58.11	6.00	12.62	V
Highest	1697.6	-55.95	-13	-42.95	-65.97	-59.12	4.10	9.42	H
	2546.4	-50.43	-13	-37.43	-64.96	-54.01	4.90	10.63	H
	3395.2	-60.94	-13	-47.94	-77.29	-65.86	5.55	12.62	H
	1697.6	-54.03	-13	-41.03	-63.53	-57.20	4.10	9.42	V
	2546.4	-55.38	-13	-42.38	-69.85	-58.96	4.90	10.63	V
	3395.2	-57.26	-13	-44.26	-73.73	-62.18	5.55	12.62	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (GSM)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700.4	-61.60	-13	-48.60	-80.06	-68.36	5.82	12.58	H
	5550.6	-59.76	-13	-46.76	-82.04	-65.48	7.28	13.00	H
	7400.8	-54.80	-13	-41.80	-81.86	-57.96	8.32	11.48	H
	3700.4	-61.69	-13	-48.69	-80.05	-68.45	5.82	12.58	V
	5550.6	-59.58	-13	-46.58	-82.04	-65.30	7.28	13.00	V
	7400.8	-54.59	-13	-41.59	-81.67	-57.75	8.32	11.48	V
Middle	3760	-61.19	-13	-48.19	-79.82	-67.94	5.85	12.60	H
	5640	-58.76	-13	-45.76	-82.02	-64.56	7.30	13.10	H
	7520	-55.13	-13	-42.13	-81.94	-58.28	8.35	11.50	H
	3760	-61.37	-13	-48.37	-79.93	-68.12	5.85	12.60	V
	5640	-59.59	-13	-46.59	-82.1	-65.39	7.30	13.10	V
	7520	-54.91	-13	-41.91	-81.7	-58.06	8.35	11.50	V
Highest	3819.6	-61.15	-13	-48.15	-80.00	-67.89	5.88	12.62	H
	5729.4	-58.80	-13	-45.80	-82.17	-64.61	7.32	13.13	H
	7639.2	-54.57	-13	-41.57	-81.24	-57.73	8.38	11.54	H
	3819.6	-61.28	-13	-48.28	-80.12	-68.02	5.88	12.62	V
	5729.4	-58.98	-13	-45.98	-82.17	-64.79	7.32	13.13	V
	7639.2	-55.03	-13	-42.03	-81.62	-58.19	8.38	11.54	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM1900 (EDGE 1 Tx slots)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700.4	-61.36	-13	-48.36	-79.82	-68.12	5.82	12.58	H
	5550.6	-59.54	-13	-46.54	-81.82	-65.26	7.28	13.00	H
	7400.8	-54.72	-13	-41.72	-81.78	-57.88	8.32	11.48	H
	3700.4	-61.47	-13	-48.47	-79.83	-68.23	5.82	12.58	V
	5550.6	-59.56	-13	-46.56	-82.02	-65.28	7.28	13.00	V
	7400.8	-54.69	-13	-41.69	-81.77	-57.85	8.32	11.48	V
Middle	3760	-61.17	-13	-48.17	-79.80	-67.92	5.85	12.60	H
	5640	-58.45	-13	-45.45	-81.71	-64.25	7.30	13.10	H
	7520	-54.55	-13	-41.55	-81.36	-57.70	8.35	11.50	H
	3760	-61.12	-13	-48.12	-79.68	-67.87	5.85	12.60	V
	5640	-59.16	-13	-46.16	-81.67	-64.96	7.30	13.10	V
	7520	-54.55	-13	-41.55	-81.34	-57.70	8.35	11.50	V
Highest	3819.6	-60.87	-13	-47.87	-79.72	-67.61	5.88	12.62	H
	5729.4	-58.64	-13	-45.64	-82.01	-64.45	7.32	13.13	H
	7639.2	-54.86	-13	-41.86	-81.53	-58.02	8.38	11.54	H
	3819.6	-60.87	-13	-47.87	-79.71	-67.61	5.88	12.62	V
	5729.4	-58.75	-13	-45.75	-81.94	-64.56	7.32	13.13	V
	7639.2	-54.77	-13	-41.77	-81.36	-57.93	8.38	11.54	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band V(RMC 12.2Kbps)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1652.8	-65.24	-13	-52.24	-75.16	-68.47	3.98	9.36	H
	2479.2	-62.84	-13	-49.84	-77.32	-66.39	4.85	10.55	H
	3305.6	-62.13	-13	-49.13	-78.46	-67.06	5.50	12.58	H
	1652.8	-66.06	-13	-53.06	-75.72	-69.29	3.98	9.36	V
	2479.2	-63.02	-13	-50.02	-77.47	-66.57	4.85	10.55	V
	3305.6	-62.28	-13	-49.28	-78.39	-67.21	5.50	12.58	V
Middle	1672.8	-65.89	-13	-52.89	-75.85	-69.14	4.00	9.40	H
	2509.2	-59.38	-13	-46.38	-73.78	-62.95	4.88	10.60	H
	3345.6	-62.64	-13	-49.64	-78.63	-67.57	5.52	12.60	H
	1672.8	-66.39	-13	-53.39	-75.80	-69.64	4.00	9.40	V
	2509.2	-60.23	-13	-47.23	-74.59	-63.80	4.88	10.60	V
	3345.6	-63.05	-13	-50.05	-78.77	-67.98	5.52	12.60	V
Highest	1693.2	-66.05	-13	-53.05	-76.06	-69.22	4.10	9.42	H
	2539.8	-63.07	-13	-50.07	-77.59	-66.65	4.90	10.63	H
	3386.4	-62.19	-13	-49.19	-78.42	-67.11	5.55	12.62	H
	1693.2	-66.74	-13	-53.74	-76.23	-69.91	4.10	9.42	V
	2539.8	-63.24	-13	-50.24	-77.70	-66.82	4.90	10.63	V
	3386.4	-62.22	-13	-49.22	-78.44	-67.14	5.55	12.62	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band II(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3704.8	-61.32	-13	-48.32	-79.79	-68.08	5.82	12.58	H
	5557.2	-59.58	-13	-46.58	-81.86	-65.30	7.28	13.00	H
	7409.6	-55.01	-13	-42.01	-82.07	-58.17	8.32	11.48	H
	3704.8	-61.69	-13	-48.69	-80.06	-68.45	5.82	12.58	V
	5557.2	-59.17	-13	-46.17	-81.63	-64.89	7.28	13.00	V
	7409.6	-54.54	-13	-41.54	-81.62	-57.70	8.32	11.48	V
Middle	3760	-61.14	-13	-48.14	-79.77	-67.89	5.85	12.60	H
	5640	-58.90	-13	-45.90	-82.16	-64.70	7.30	13.10	H
	7520	-54.93	-13	-41.93	-81.74	-58.08	8.35	11.50	H
	3760	-61.23	-13	-48.23	-79.79	-67.98	5.85	12.60	V
	5640	-59.52	-13	-46.52	-82.03	-65.32	7.30	13.10	V
	7520	-55.03	-13	-42.03	-81.82	-58.18	8.35	11.50	V
Highest	3815.2	-61.11	-13	-48.11	-79.95	-67.85	5.88	12.62	H
	5722.8	-58.79	-13	-45.79	-82.17	-64.60	7.32	13.13	H
	7630.4	-54.65	-13	-41.65	-81.30	-57.81	8.38	11.54	H
	3815.2	-60.83	-13	-47.83	-79.66	-67.57	5.88	12.62	V
	5722.8	-58.84	-13	-45.84	-82.04	-64.65	7.32	13.13	V
	7630.4	-54.89	-13	-41.89	-81.46	-58.05	8.38	11.54	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band IV(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3424.8	-62.33	-13	-49.33	-78.96	-69.21	5.60	12.48	H
	5137.2	-59.72	-13	-46.72	-81.60	-65.40	7.10	12.78	H
	6849.6	-57.04	-13	-44.04	-82.24	-60.43	8.38	11.77	H
	3424.8	-62.15	-13	-49.15	-78.84	-69.03	5.60	12.48	V
	5137.2	-59.80	-13	-46.80	-81.9	-65.48	7.10	12.78	V
	6849.6	-56.67	-13	-43.67	-82.37	-60.06	8.38	11.77	V
Middle	3465.2	-62.00	-13	-49.00	-78.90	-68.85	5.65	12.50	H
	5197.8	-60.79	-13	-47.79	-82.56	-66.46	7.13	12.80	H
	6930.4	-56.36	-13	-43.36	-82.16	-59.76	8.40	11.80	H
	3465.2	-61.98	-13	-48.98	-78.9	-68.83	5.65	12.50	V
	5197.8	-60.29	-13	-47.29	-82.37	-65.96	7.13	12.80	V
	6930.4	-56.15	-13	-43.15	-82.42	-59.55	8.40	11.80	V
Highest	3505.2	-62.16	-13	-49.16	-79.35	-69.00	5.68	12.52	H
	5257.8	-60.83	-13	-47.83	-82.51	-66.50	7.15	12.82	H
	7010.4	-56.08	-13	-43.08	-82.39	-59.51	8.42	11.85	H
	3505.2	-62.06	-13	-49.06	-79.22	-68.90	5.68	12.52	V
	5257.8	-60.46	-13	-47.46	-82.25	-66.13	7.15	12.82	V
	7010.4	-55.27	-13	-42.27	-82.03	-58.70	8.42	11.85	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.