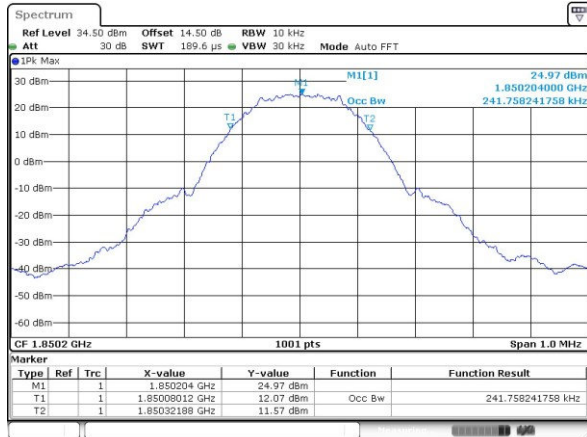




GSM1900 (GPRS class 8)

Lowest Channel

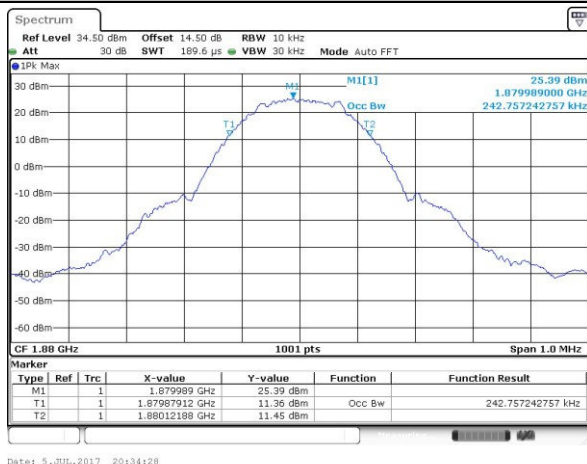


GSM1900 (EDGE class 8)

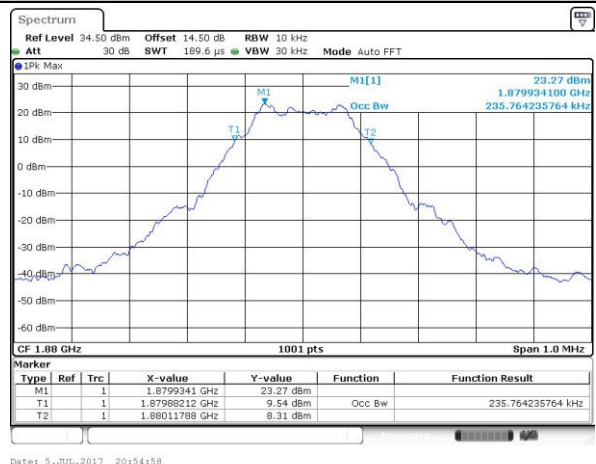
Lowest Channel



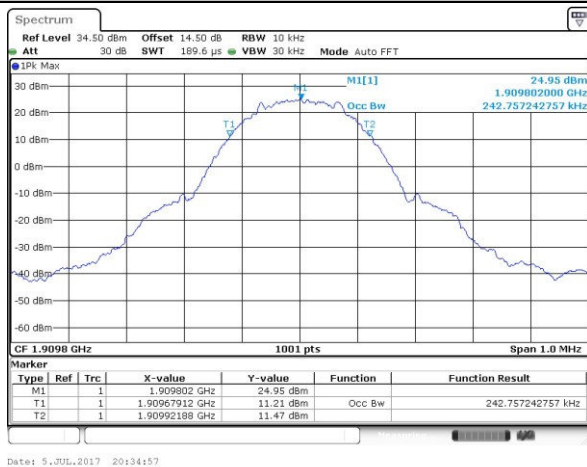
Middle Channel



Middle Channel



Highest Channel



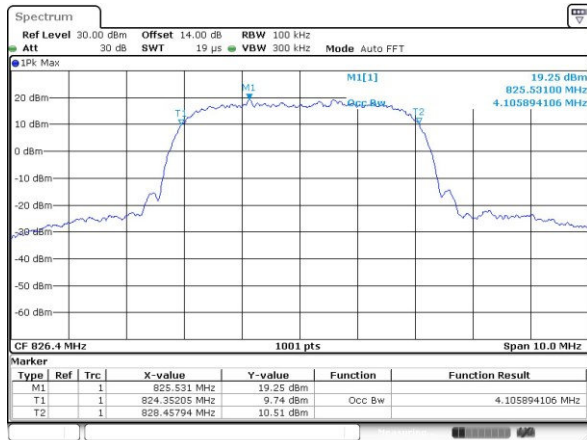
Highest Channel





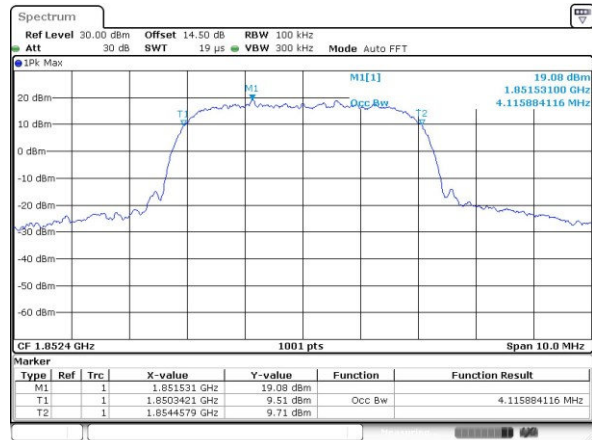
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

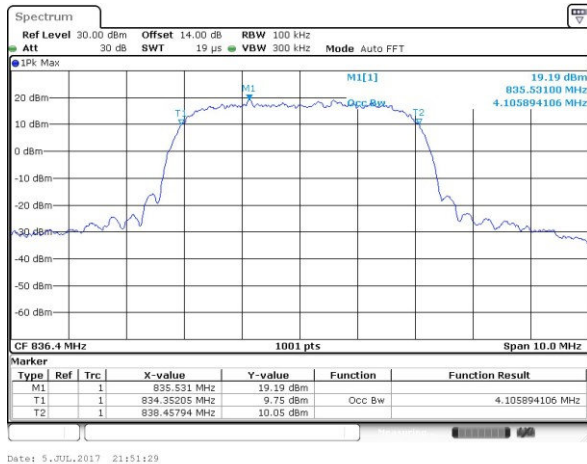


WCDMA Band II (RMC 12.2Kbps)

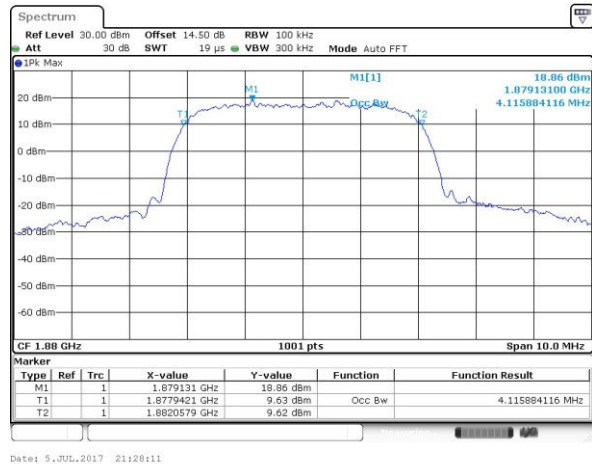
Lowest Channel



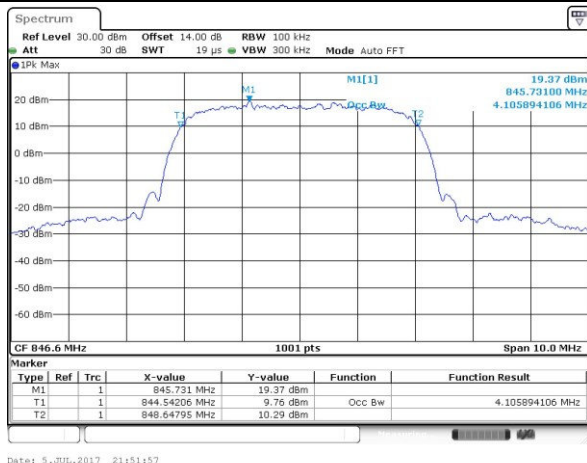
Middle Channel



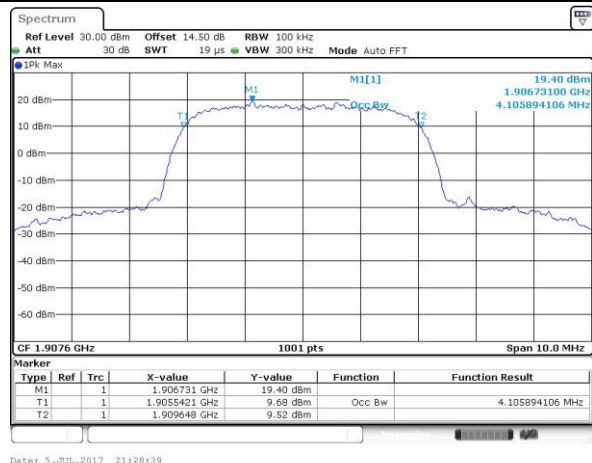
Middle Channel

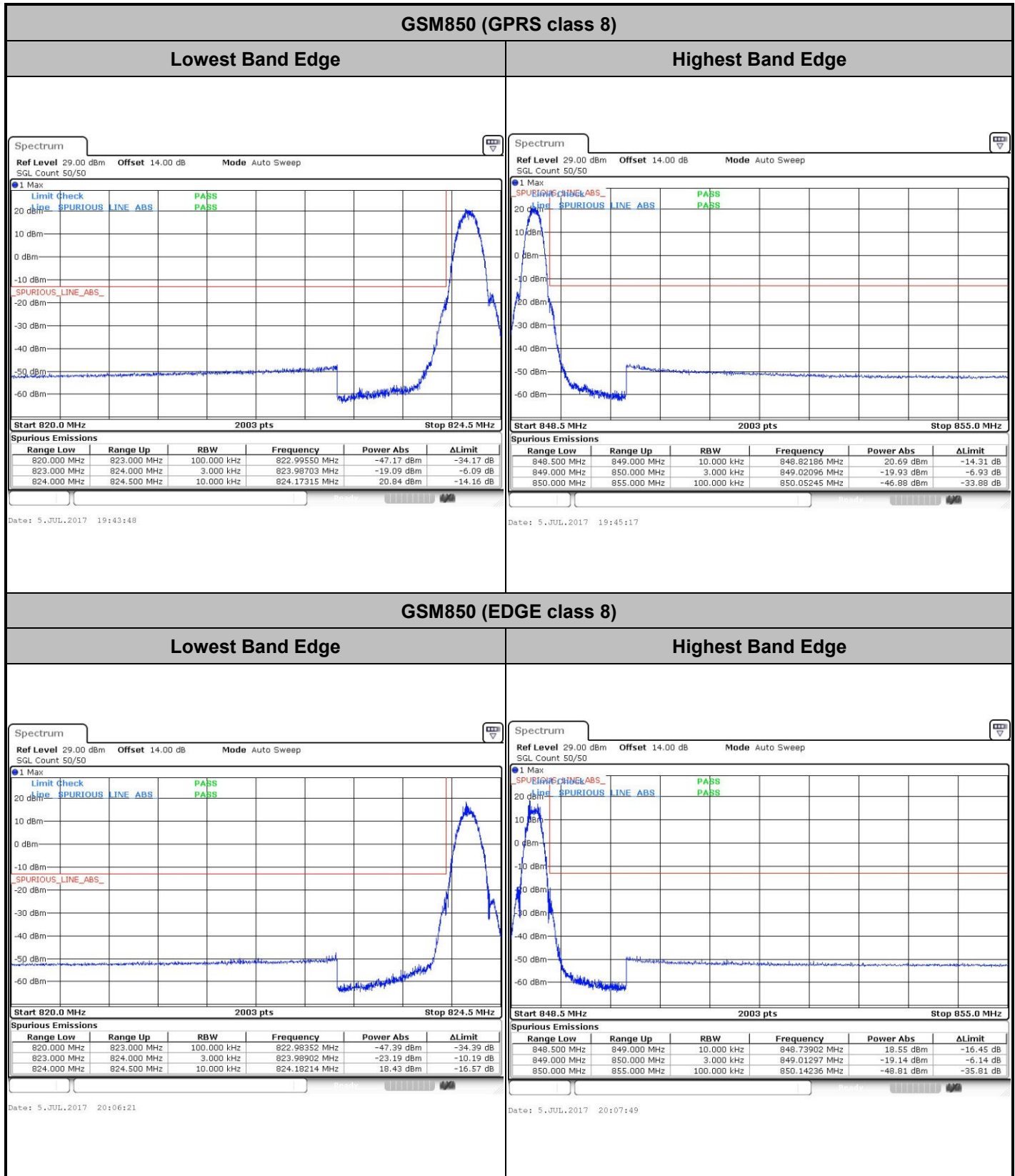


Highest Channel



Highest Channel

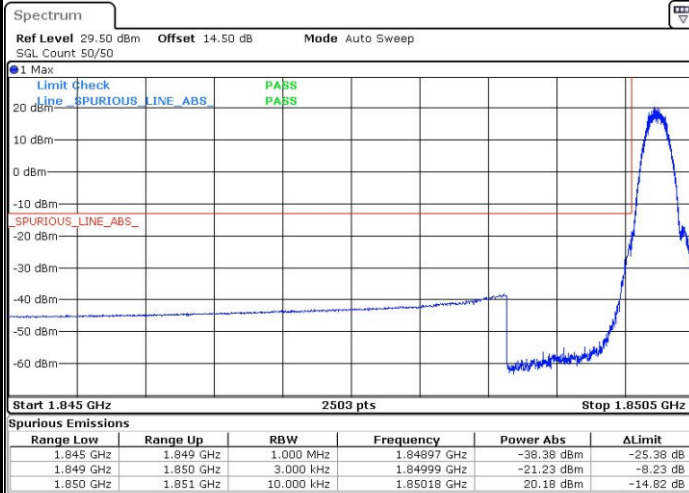


**Conducted Band Edge**

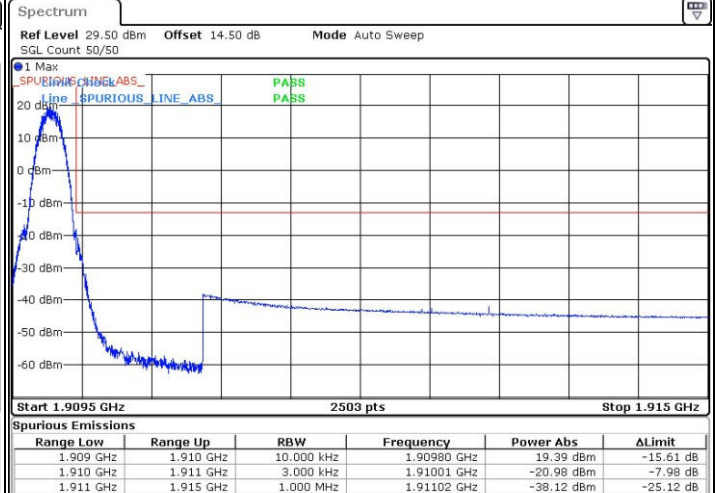


GSM1900 (GPRS class 8)

Lowest Band Edge

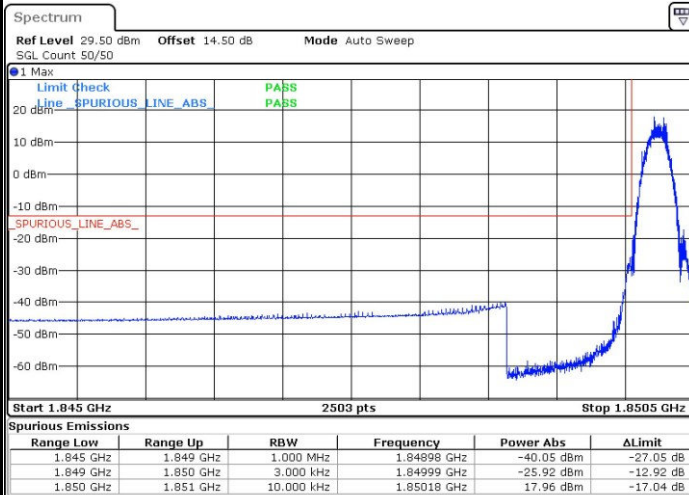


Highest Band Edge

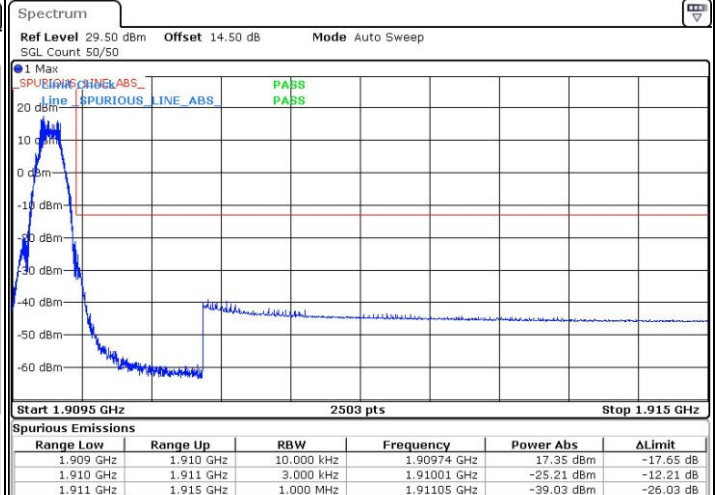


GSM1900 (EDGE class 8)

Lowest Band Edge



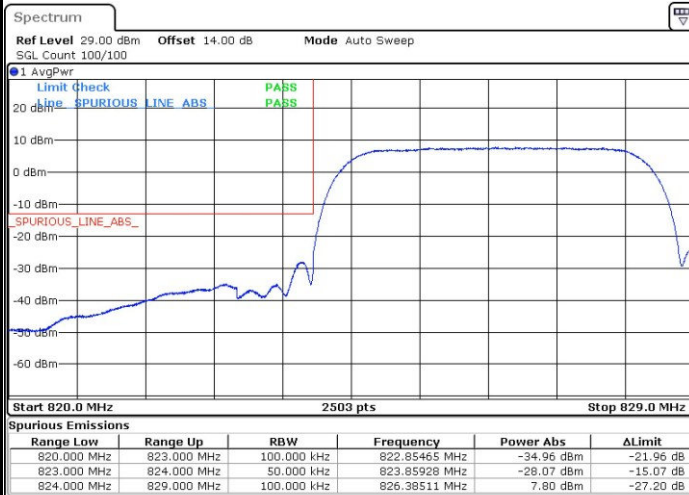
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

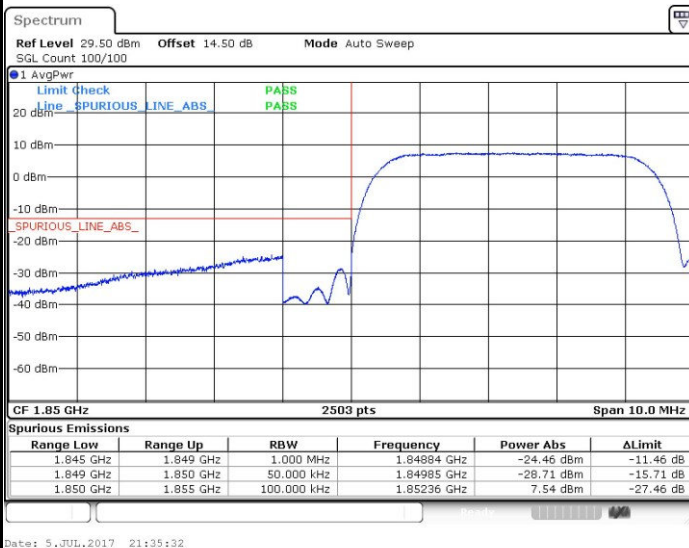


Highest Band Edge

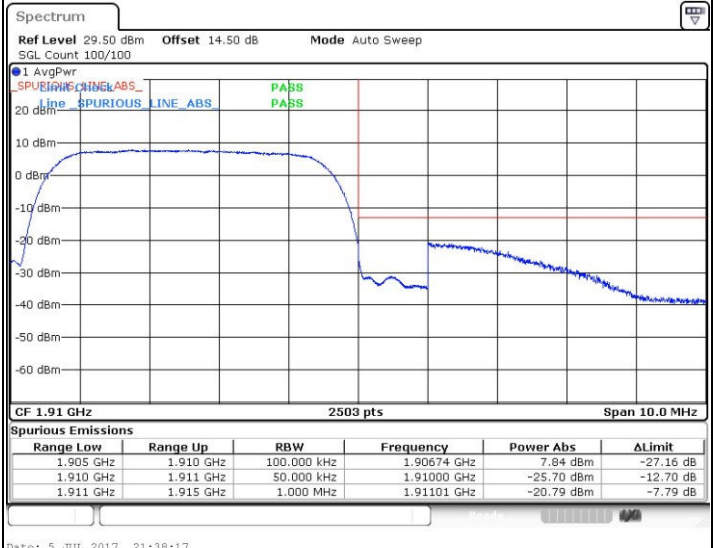


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

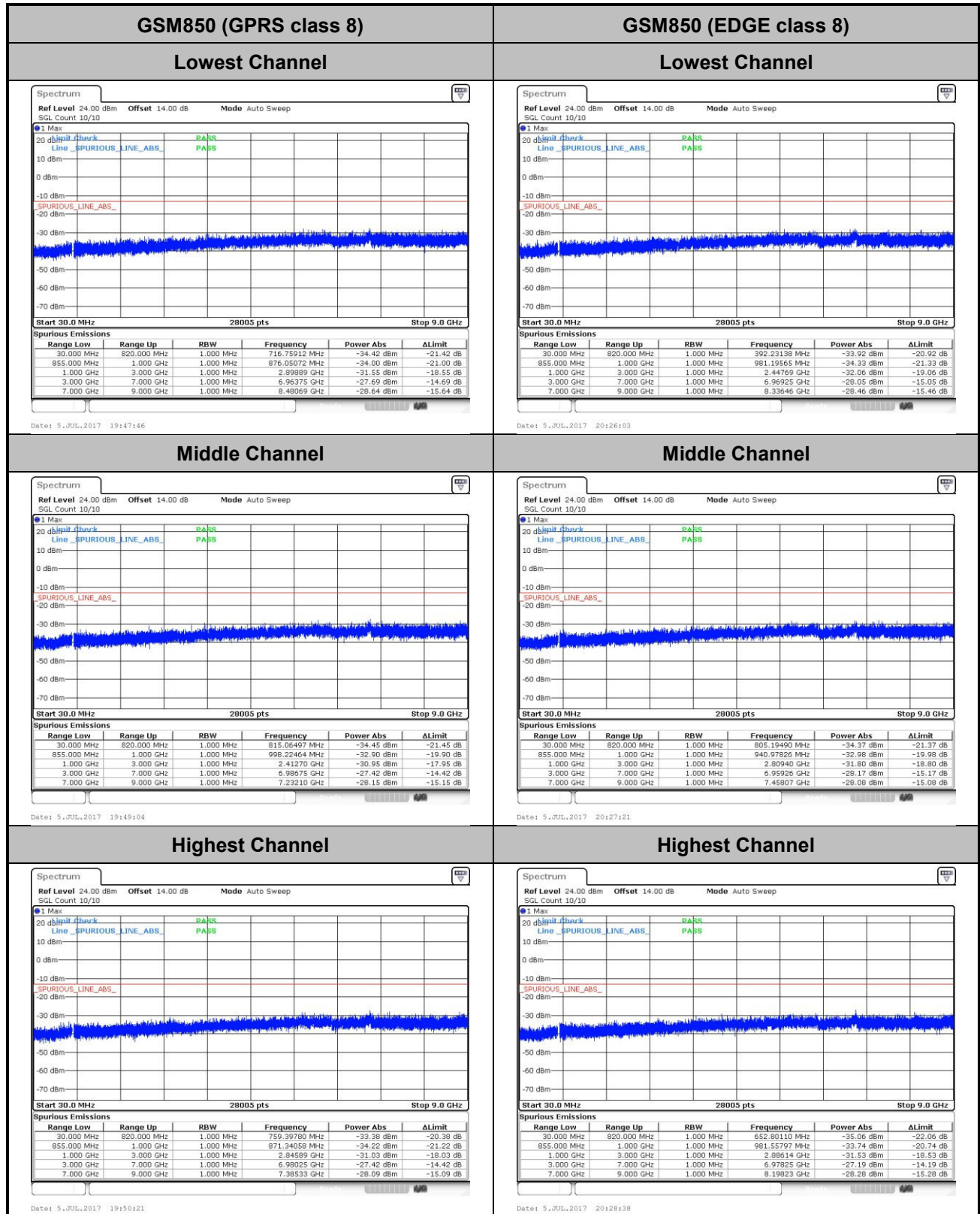


Highest Band Edge





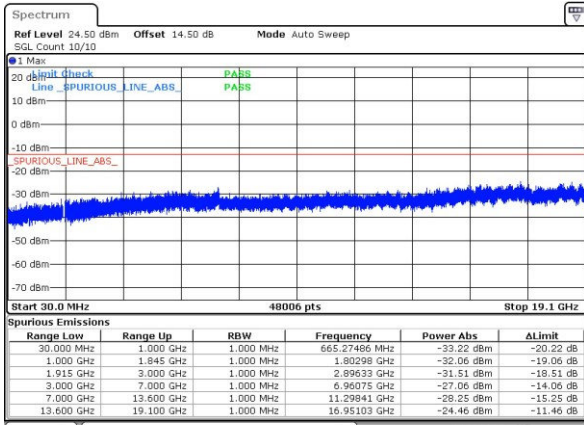
Conducted Spurious Emission





GSM1900 (GPRS class 8)

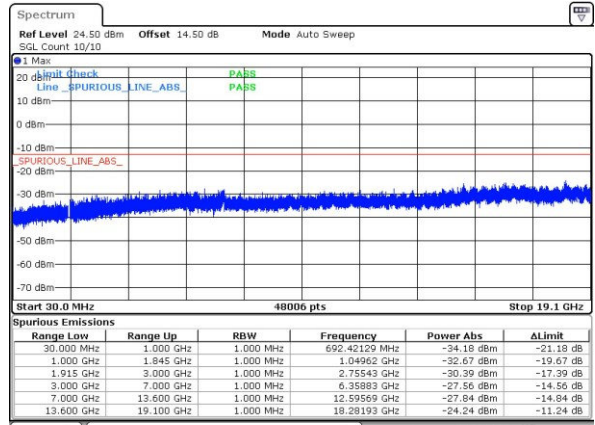
Lowest Channel



Date: 5.JUL.2017 20:42:02

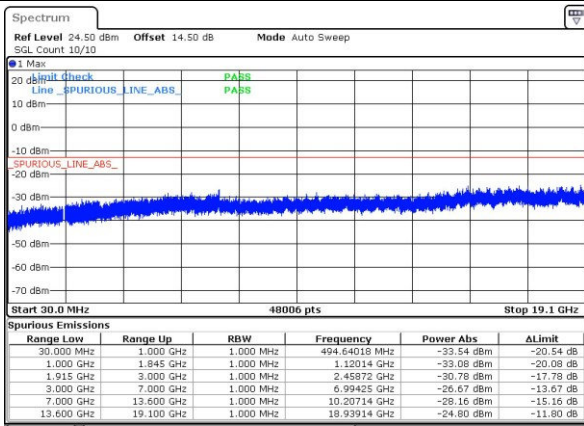
GSM1900 (EDGE class 8)

Lowest Channel



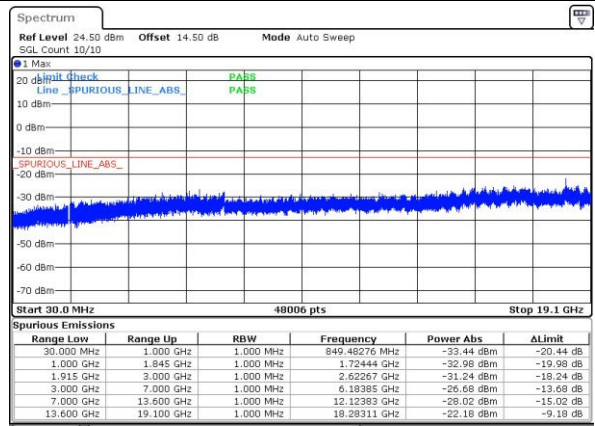
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Middle Channel



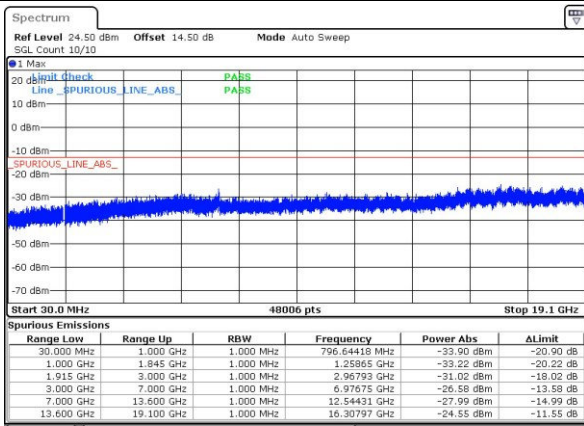
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Middle Channel



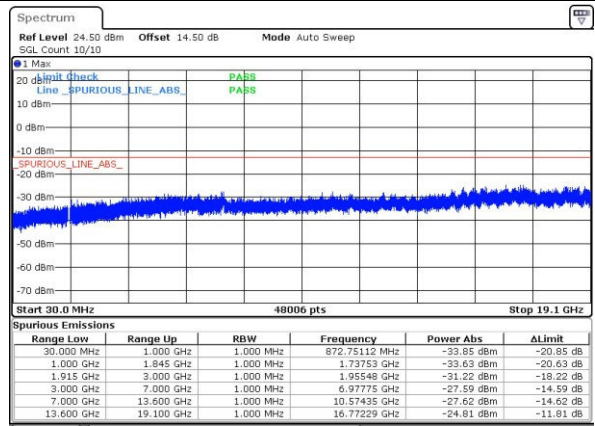
Date: 5.JUL.2017 21:05:29

Highest Channel



Date: 5.JUL.2017 20:44:36

Highest Channel

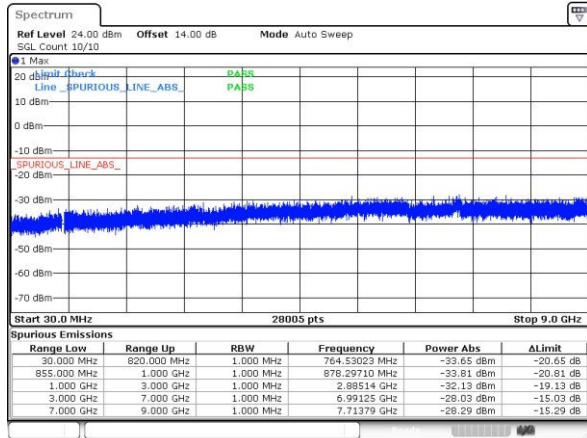


Date: 5.JUL.2017 21:07:46



WCDMA Band V (RMC 12.2Kbps)

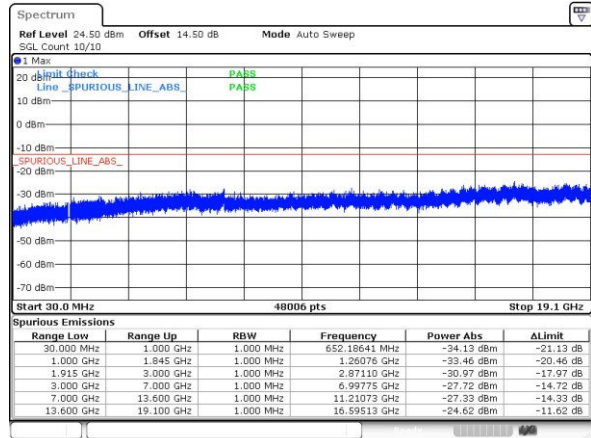
Lowest Channel



Date: 5.JUL.2017 22:00:52

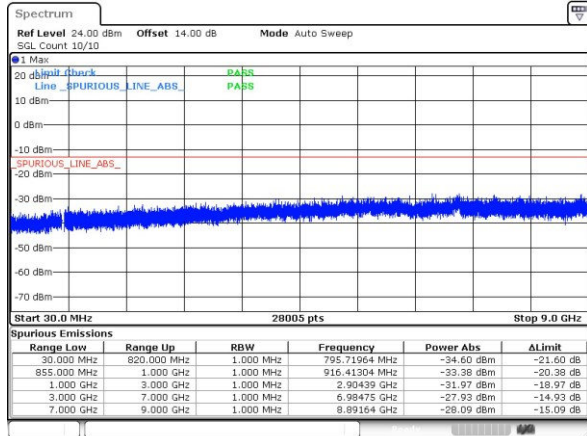
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



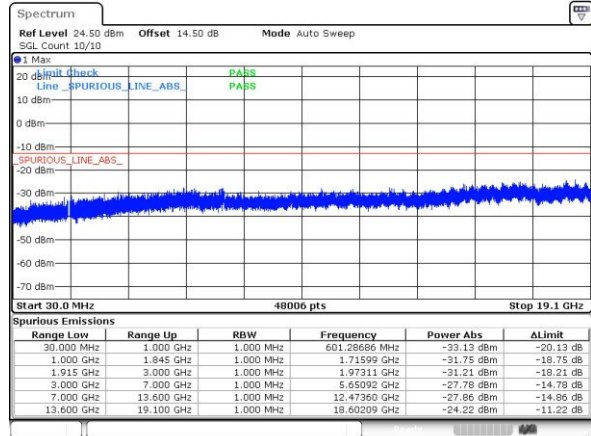
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Middle Channel



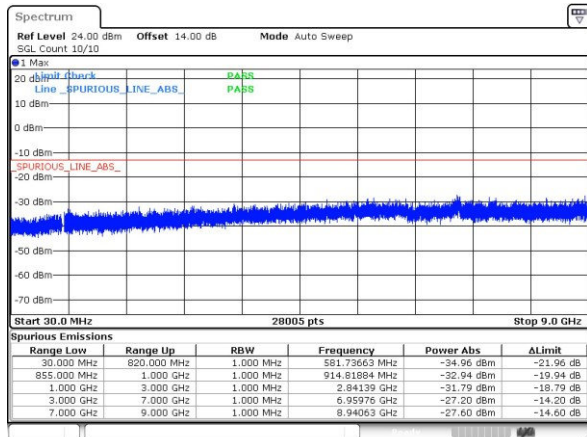
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Middle Channel



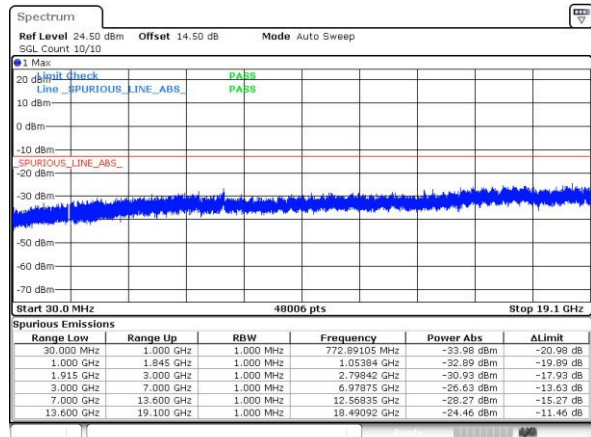
Date: 5.JUL.2017 21:41:31

Highest Channel



Date: 5.JUL.2017 22:03:26

Highest Channel



Date: 5.JUL.2017 21:42:48

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GPRS class 8)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0060	0.0072	PASS
40	Normal Voltage	0.0048	0.0060	
30	Normal Voltage	0.0012	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0036	0.0012	
0	Normal Voltage	0.0012	0.0036	
-10	Normal Voltage	0.0048	0.0060	
-20	Normal Voltage	0.0120	0.0108	
-30	Normal Voltage	0.0191	0.0191	
20	Maximum Voltage	0.0108	0.0060	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0084	0.0060	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V



Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0144	0.0016	PASS
40	Normal Voltage	0.0085	0.0021	
30	Normal Voltage	0.0027	0.0011	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0021	0.0021	
0	Normal Voltage	0.0059	0.0090	
-10	Normal Voltage	0.0085	0.0117	
-20	Normal Voltage	0.0096	0.0122	
-30	Normal Voltage	0.0112	0.0138	
20	Maximum Voltage	0.0037	0.0037	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0027	0.0021	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0215	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0053	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0106	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Sample 1

GSM850 (GPRS class 8)									
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)
Middle	1672	-56.75	-13	-43.75	-63.88	-63.44	0.56	9.40	H
	2510	-52.74	-13	-39.74	-64.13	-60.45	0.74	10.60	H
	3346	-63.80	-13	-50.80	-77.08	-73.40	0.85	12.60	H
	1672	-60.20	-13	-47.20	-67.33	-66.89	0.56	9.40	V
	2510	-54.17	-13	-41.17	-65.16	-61.88	0.74	10.60	V
	3346	-63.73	-13	-50.73	-77.24	-73.33	0.85	12.60	V

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

GSM850 (EDGE class 8)									
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)
Middle	1672	-61.03	-13	-48.03	-68.16	-67.72	0.56	9.40	H
	2510	-63.52	-13	-50.52	-74.91	-71.23	0.74	10.60	H
	3346	-63.98	-13	-50.98	-77.26	-73.58	0.85	12.60	H
	1672	-61.76	-13	-48.76	-68.89	-68.45	0.56	9.40	V
	2510	-64.22	-13	-51.22	-75.21	-71.93	0.74	10.60	V
	3346	-63.82	-13	-50.82	-77.33	-73.42	0.85	12.60	V

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



GSM1900 (GPRS class 8)									
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)
Middle	3760	-62.90	-13	-49.90	-78.18	-68.94	6.56	12.60	H
	5640	-59.48	-13	-46.48	-78.83	-64.58	8	13.10	H
	7520	-57.54	-13	-44.54	-81.13	-59.27	9.57	11.30	H
	3760	-62.50	-13	-49.50	-78.05	-68.54	6.56	12.6	V
	5640	-59.25	-13	-46.25	-79.17	-64.35	8	13.1	V
	7520	-57.54	-13	-44.54	-81.18	-59.27	9.57	11.3	V

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

GSM1900 (EDGE class 8)									
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)
Middle	3760	-62.52	-13	-49.52	-77.80	-68.56	6.56	12.60	H
	5640	-59.80	-13	-46.80	-79.15	-64.90	8	13.10	H
	7520	-57.48	-13	-44.48	-81.07	-59.21	9.57	11.30	H
	3760	-62.00	-13	-49.00	-77.55	-68.04	6.56	12.6	V
	5640	-59.07	-13	-46.07	-78.99	-64.17	8	13.1	V
	7520	-56.90	-13	-43.90	-80.54	-58.63	9.57	11.3	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)
Middle	1672	-68.55	-13	-55.55	-75.68	-75.24	0.56	9.40	H
	2510	-63.14	-13	-50.14	-74.53	-70.85	0.74	10.60	H
	3346	-64.17	-13	-51.17	-77.45	-73.77	0.85	12.60	H
	1672	-68.50	-13	-55.50	-75.63	-75.19	0.56	9.40	V
	2510	-64.41	-13	-51.41	-75.40	-72.12	0.74	10.60	V
	3346	-63.63	-13	-50.63	-77.14	-73.23	0.85	12.60	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)
Middle	3760	-62.34	-13	-49.34	-77.62	-68.38	6.56	12.60	H
	5640	-56.70	-13	-43.70	-76.05	-61.80	8	13.10	H
	7520	-57.24	-13	-44.24	-80.83	-58.97	9.57	11.30	H
	3760	-60.21	-13	-47.21	-75.76	-66.25	6.56	12.6	V
	5640	-58.91	-13	-45.91	-78.83	-64.01	8	13.1	V
	7520	-56.87	-13	-43.87	-80.51	-58.60	9.57	11.3	V

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

Sample 2

GSM850 (GPRS class 8)									
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)
Middle	1672	-52.79	-13	-39.79	-59.92	-59.48	0.56	9.40	H
	2510	-58.45	-13	-45.45	-69.84	-66.16	0.74	10.60	H
	3346	-60.46	-13	-47.46	-73.74	-70.06	0.85	12.60	H
	1672	-53.84	-13	-40.84	-60.97	-60.53	0.56	9.40	V
	2510	-53.38	-13	-40.38	-64.37	-61.09	0.74	10.60	V
	3346	-62.46	-13	-49.46	-75.97	-72.06	0.85	12.60	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)
Middle	3760	-62.68	-13	-49.68	-77.96	-68.72	6.56	12.60	H
	5640	-57.19	-13	-44.19	-76.54	-62.29	8	13.10	H
	7520	-57.39	-13	-44.39	-80.98	-59.12	9.57	11.30	H
	3760	-61.17	-13	-48.17	-76.72	-67.21	6.56	12.6	V
	5640	-59.36	-13	-46.36	-79.28	-64.46	8	13.1	V
	7520	-57.11	-13	-44.11	-80.75	-58.84	9.57	11.3	V

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