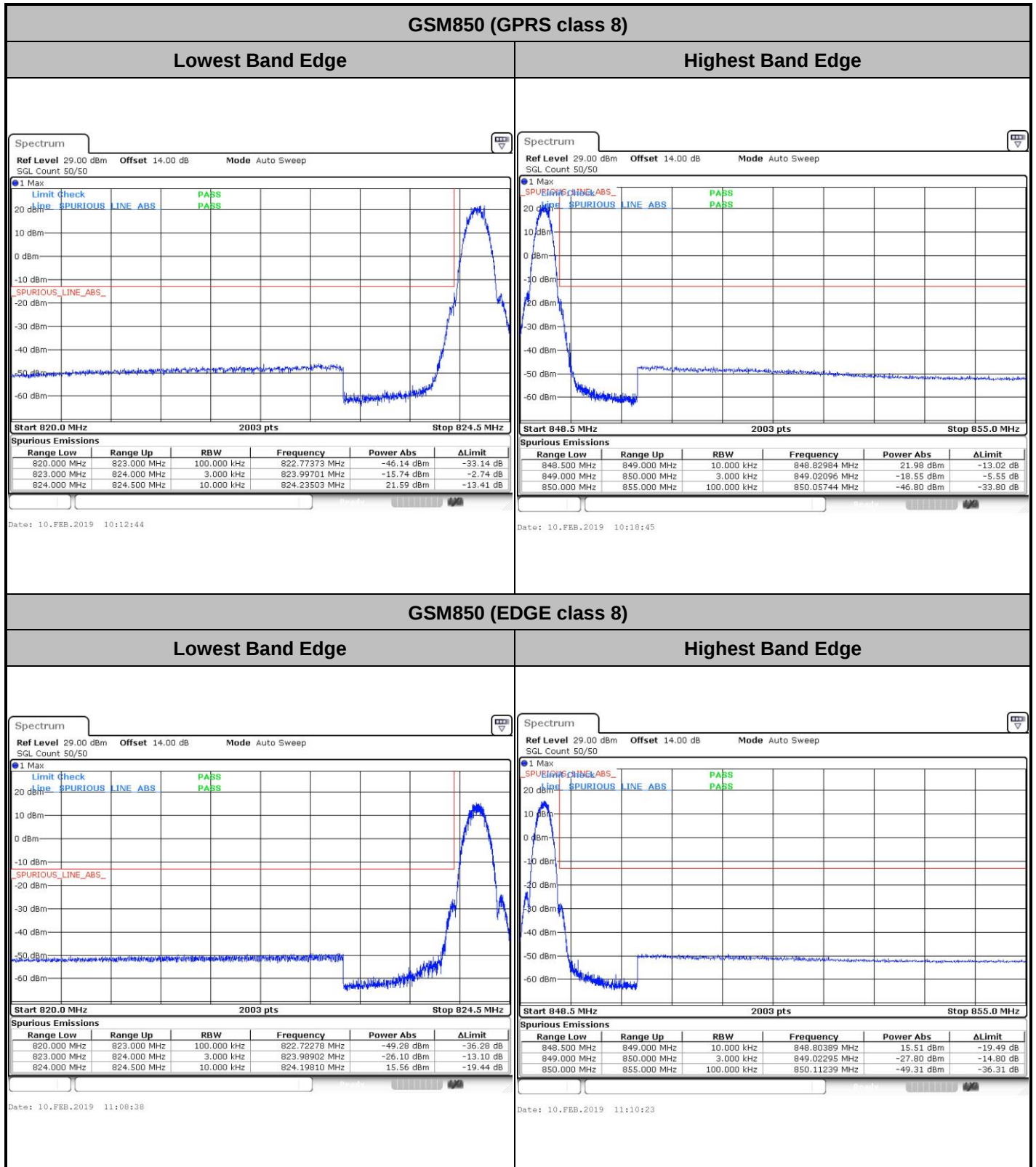




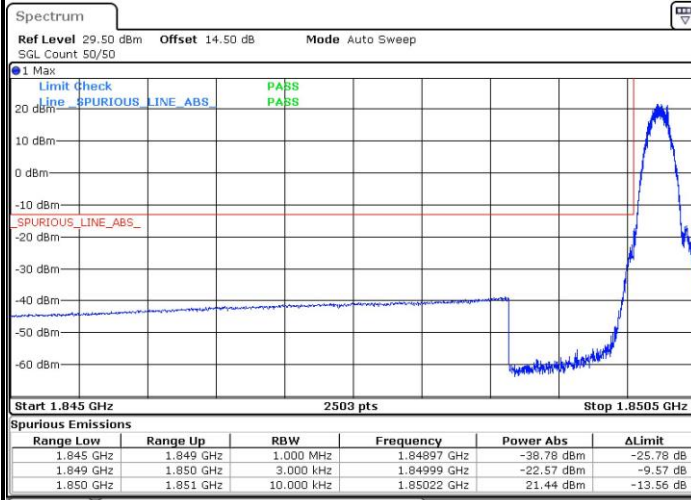
Conducted Band Edge



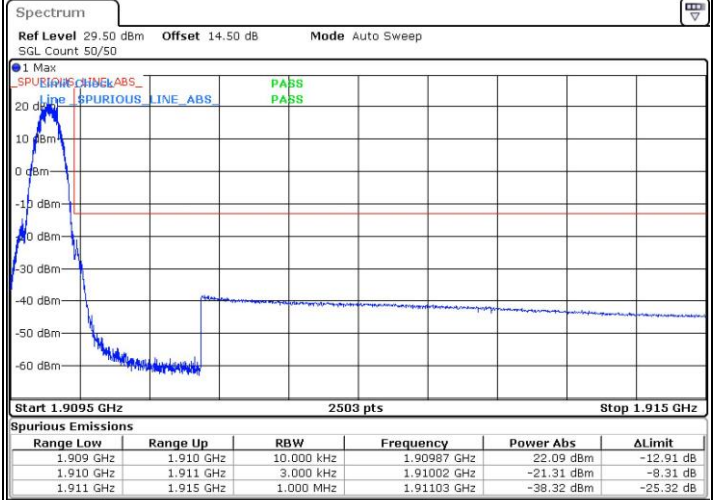


GSM1900 (GSM)

Lowest Band Edge

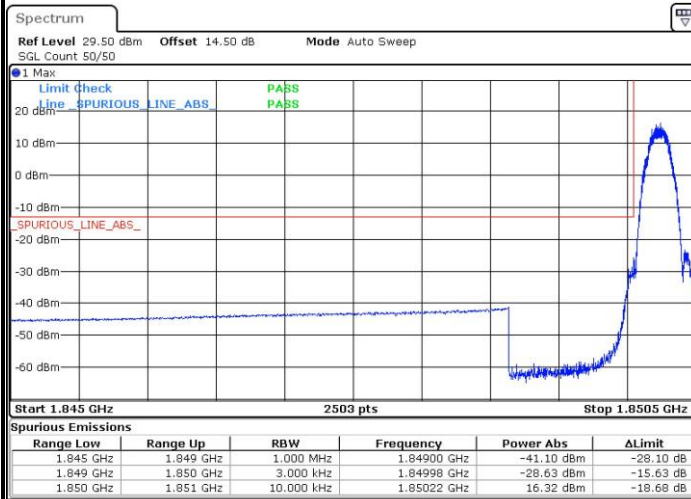


Highest Band Edge

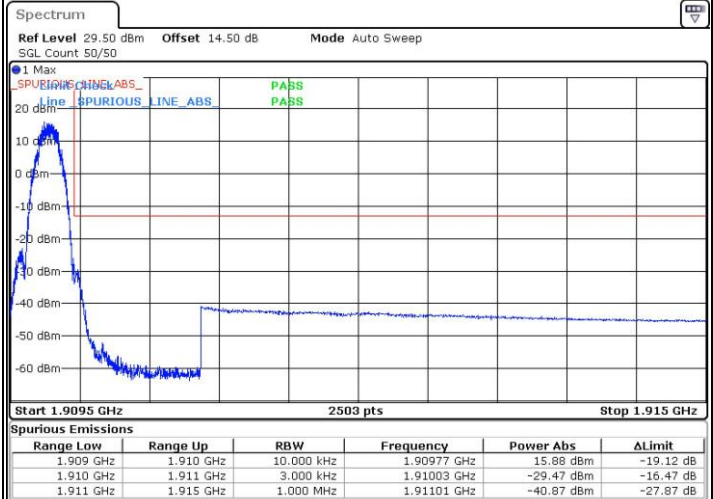


GSM1900 (EDGE class 8)

Lowest Band Edge



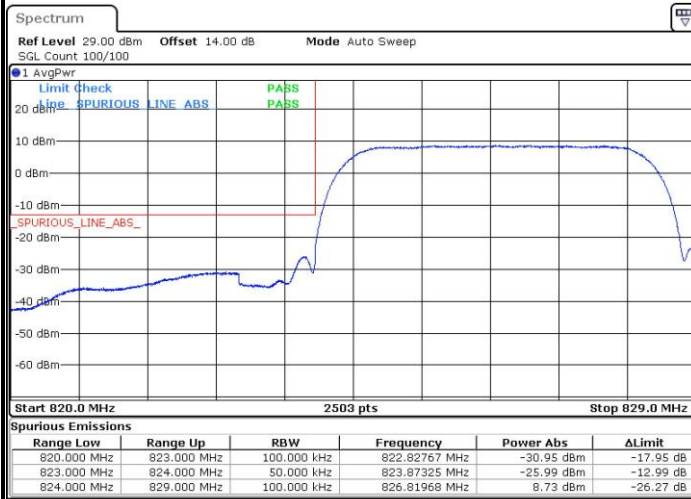
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

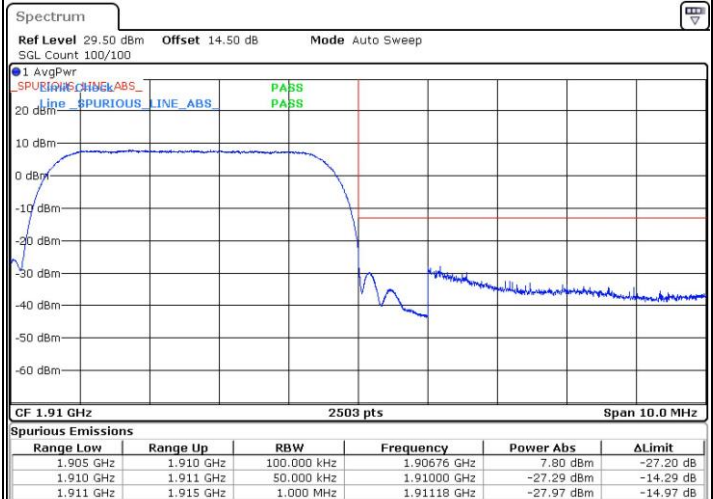


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



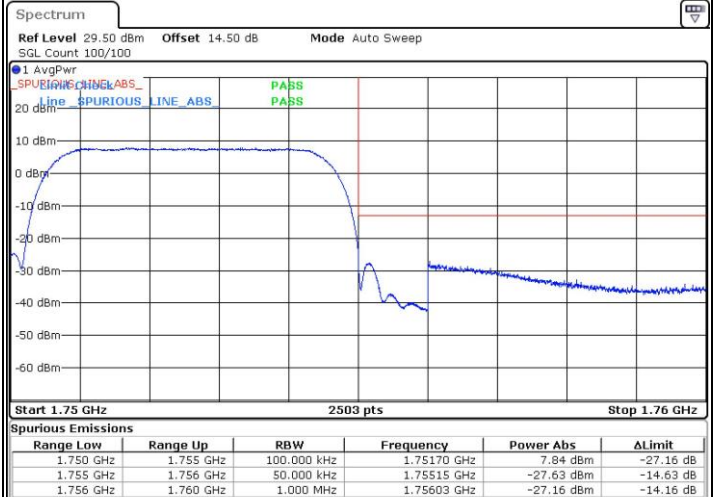


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



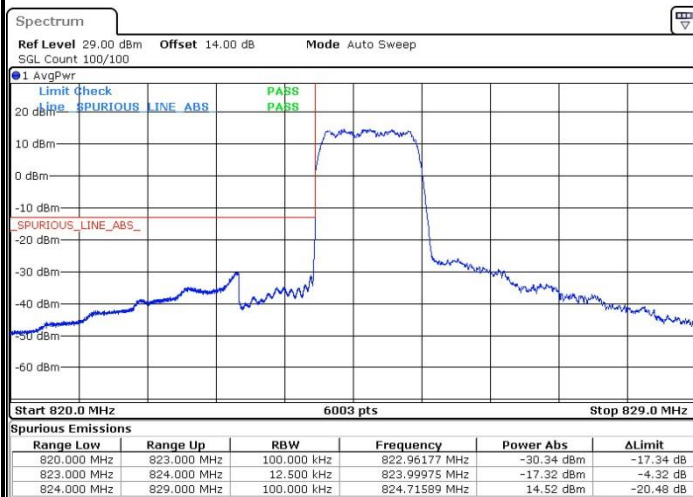
Highest Band Edge



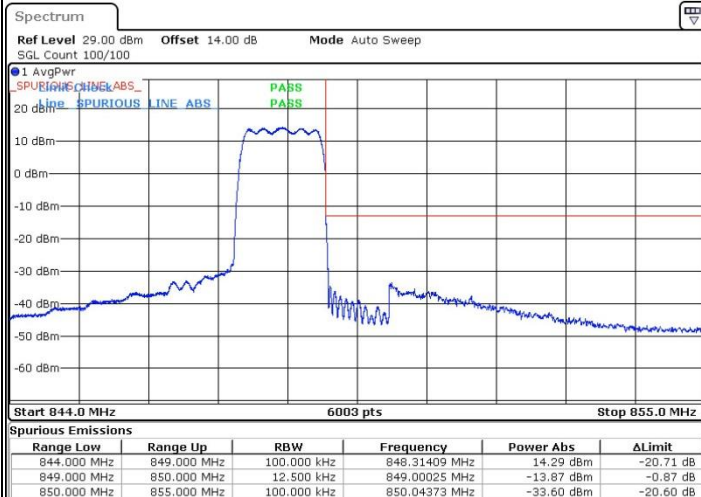


CDMA BC0 (1xRTT)

Lowest Band Edge

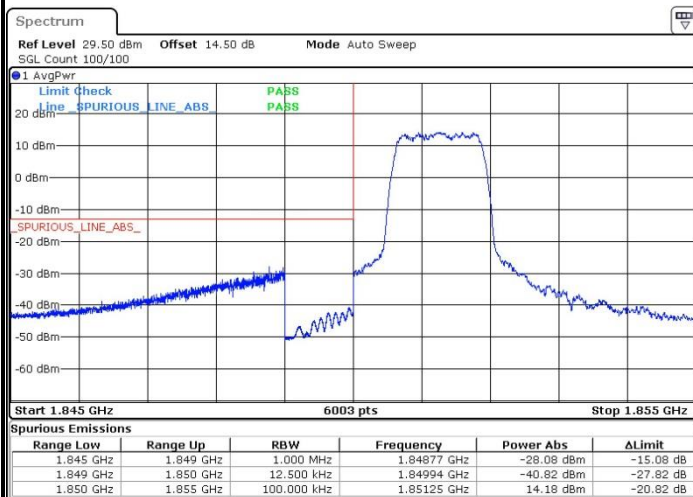


Highest Band Edge

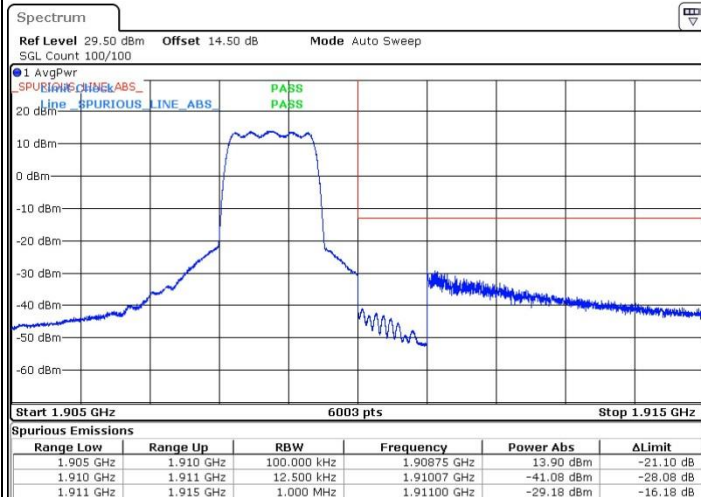


CDMA BC1 (1xRTT)

Lowest Band Edge

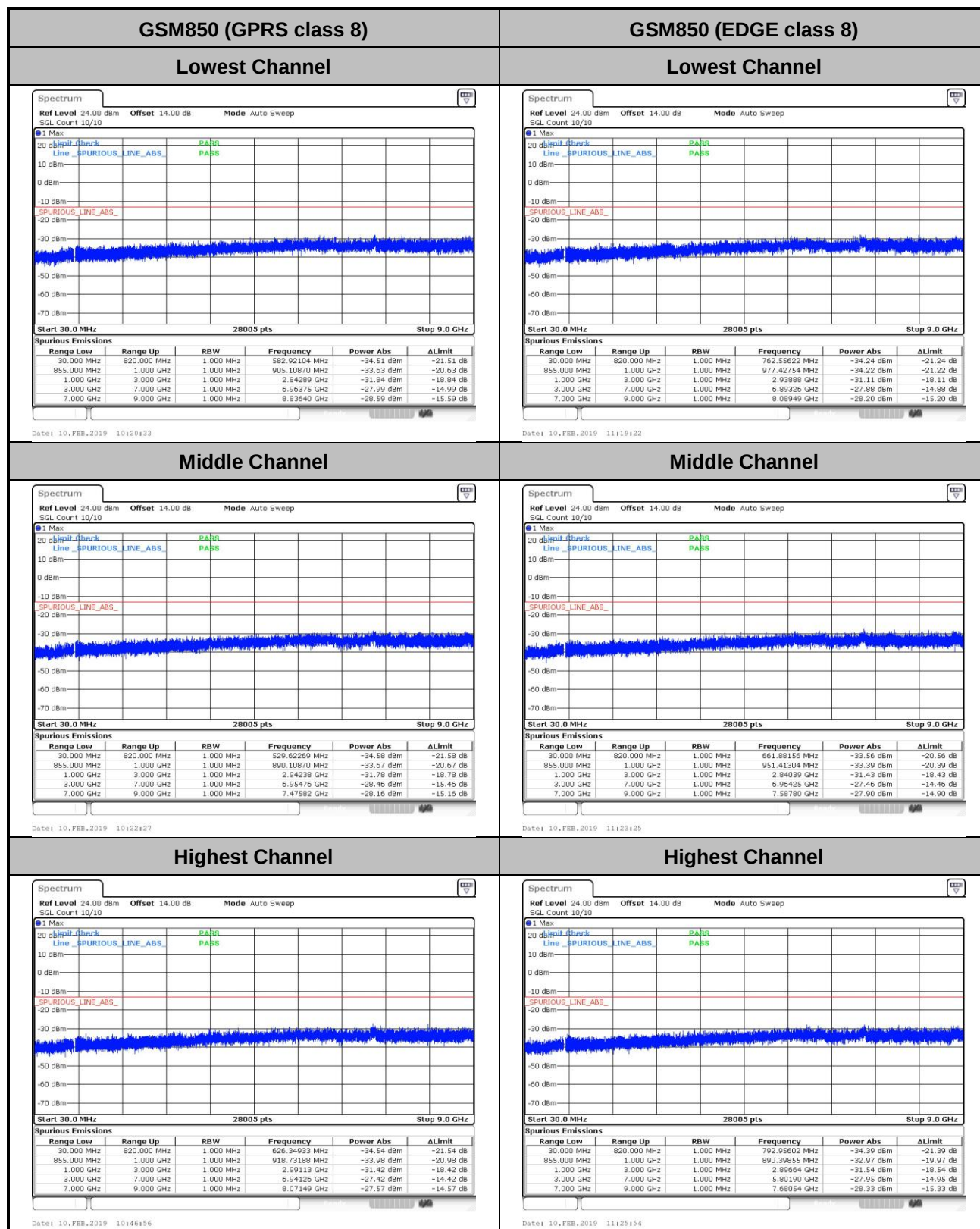


Highest Band Edge





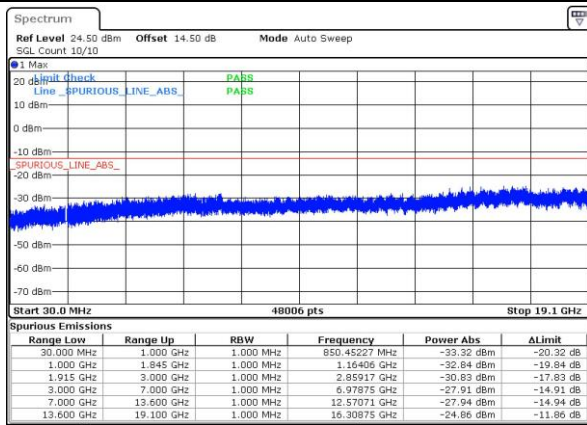
Conducted Spurious Emission





GSM1900 (GSM)

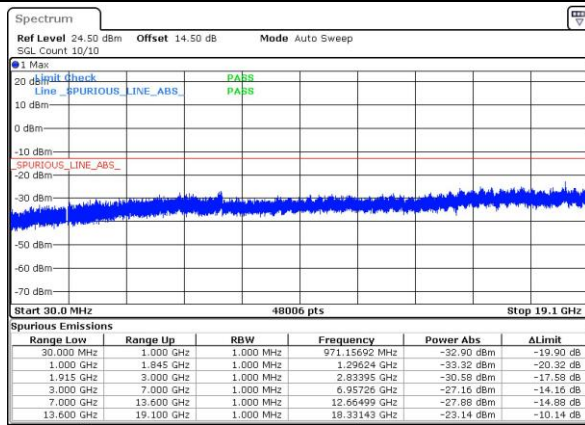
Lowest Channel



Date: 9.FEB.2019 19:07:56

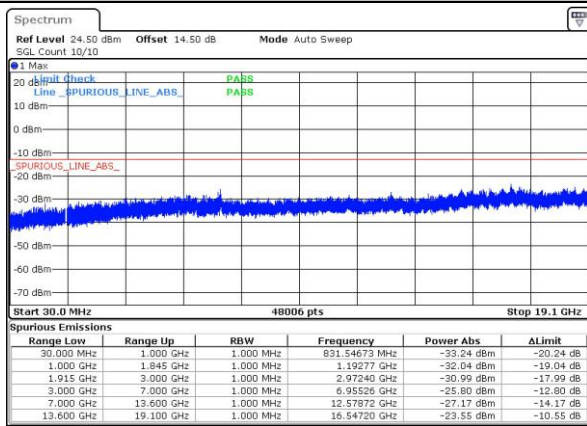
GSM1900 (EDGE class 8)

Lowest Channel

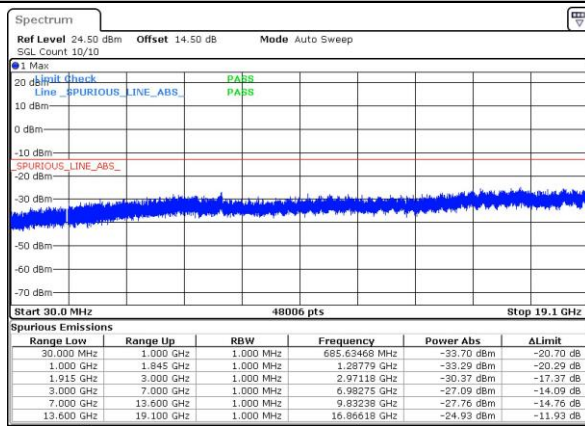


Date: 10.FEB.2019 13:15:45

Middle Channel

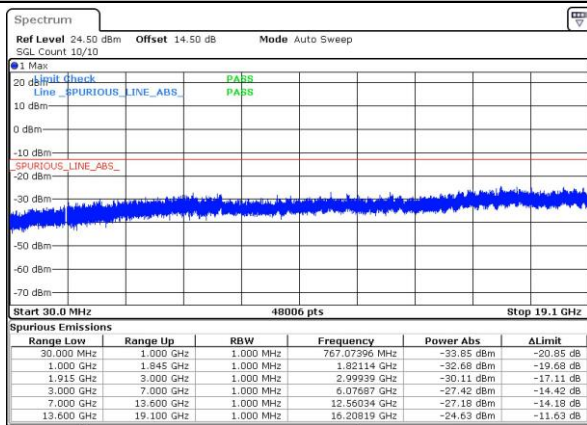


Date: 9.FEB.2019 19:09:27

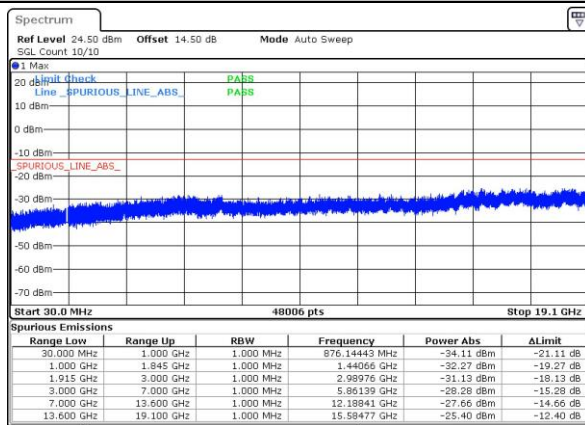


Date: 10.FEB.2019 13:17:13

Highest Channel



Date: 9.FEB.2019 19:11:02

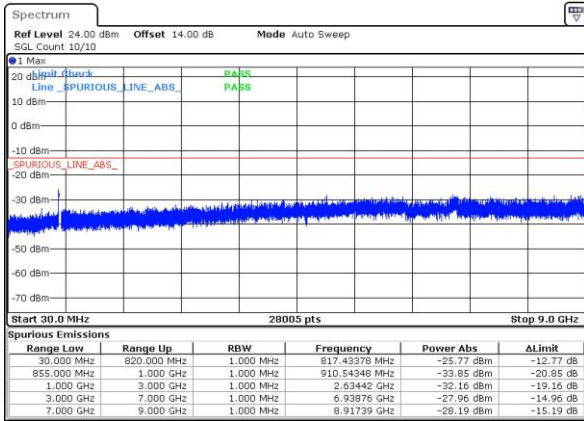


Date: 10.FEB.2019 13:18:44



WCDMA Band V (RMC 12.2Kbps)

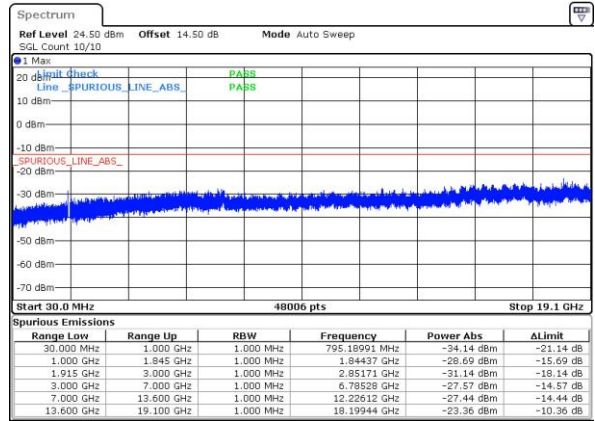
Lowest Channel



Date: 9.FEB.2019 11:59:34

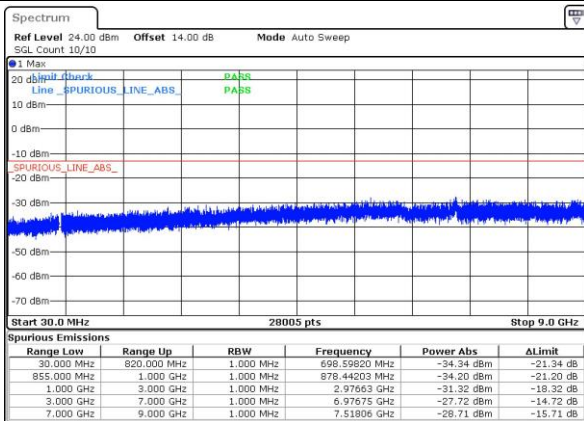
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



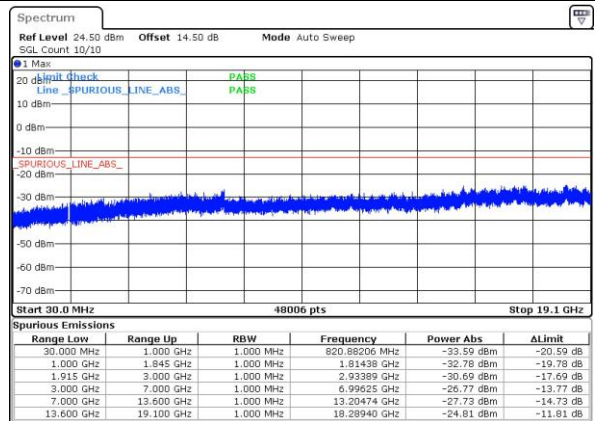
Date: 9.FEB.2019 17:50:15

Middle Channel



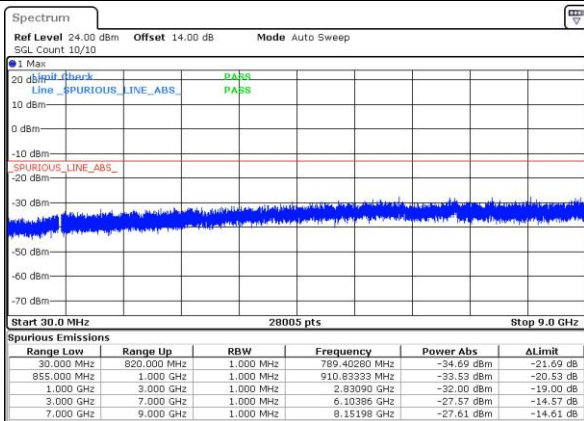
Date: 9.FEB.2019 12:00:04

Middle Channel



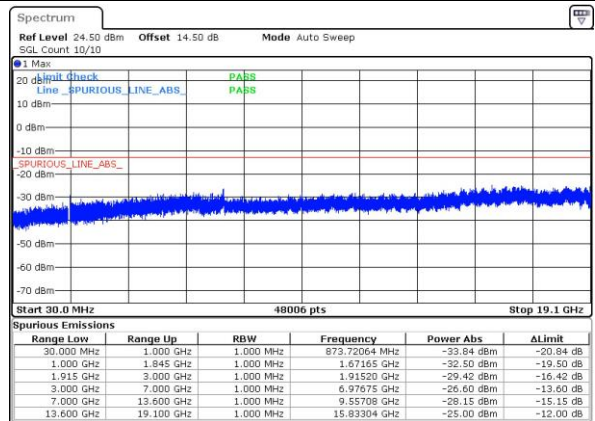
Date: 9.FEB.2019 17:51:51

Highest Channel



Date: 9.FEB.2019 12:58:26

Highest Channel

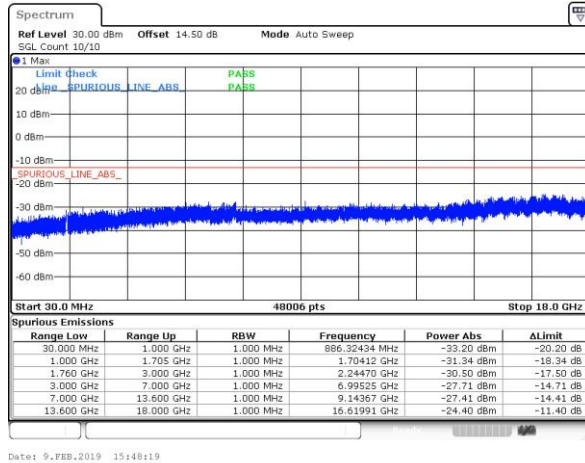


Date: 9.FEB.2019 17:52:37

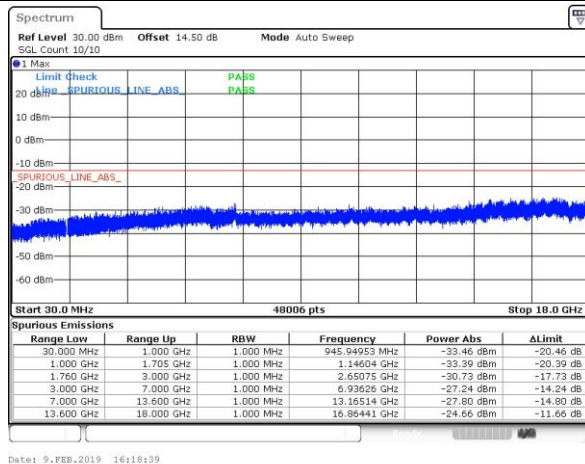


WCDMA Band IV (RMC 12.2Kbps)

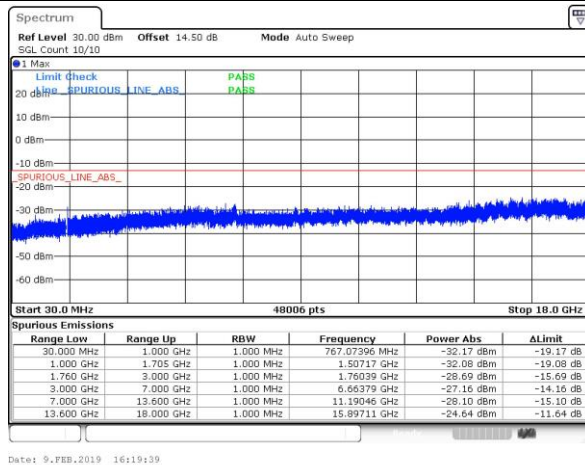
Lowest Channel



Middle Channel



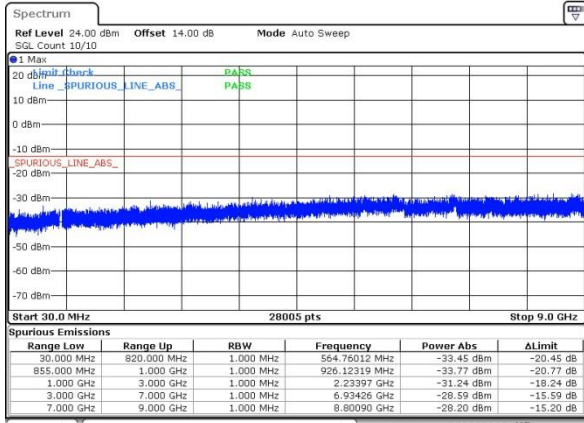
Highest Channel





CDMA BC0 (1xRTT)

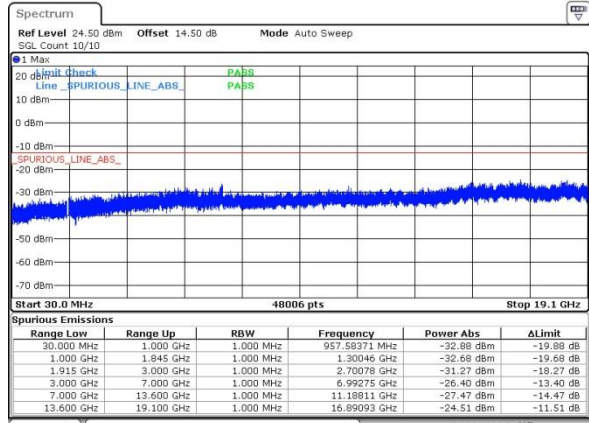
Lowest Channel



Date: 12.FEB.2019 10:34:20

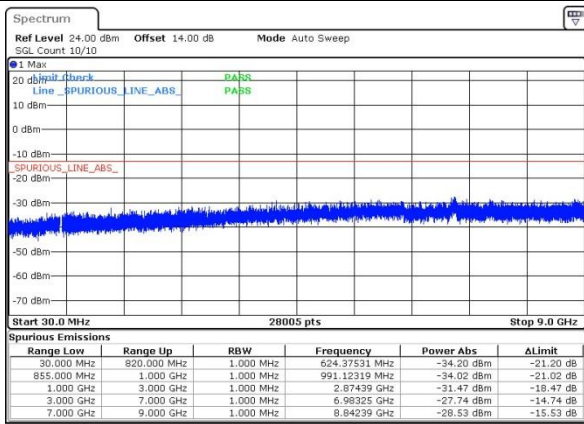
CDMA BC1 (1xRTT)

Lowest Channel



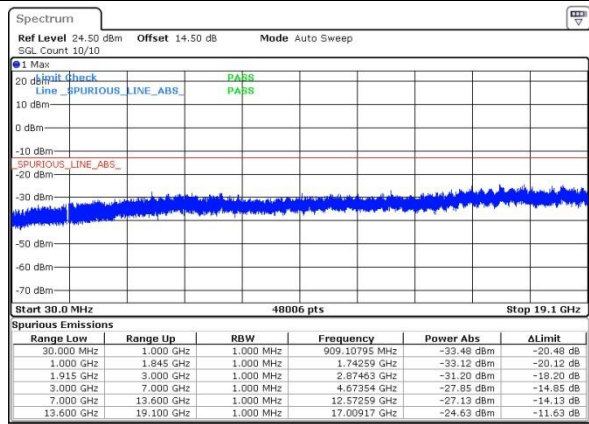
Date: 12.FEB.2019 11:49:00

Middle Channel



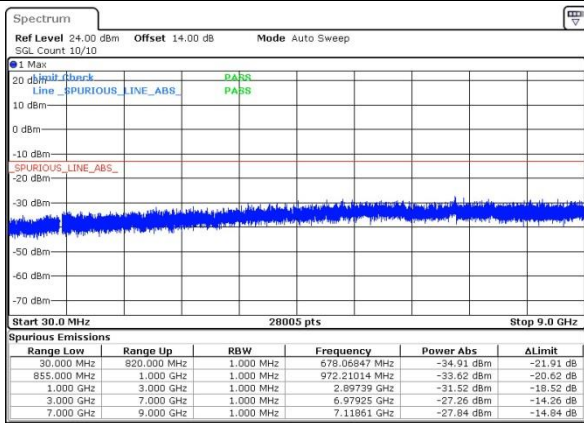
Date: 12.FEB.2019 10:35:48

Middle Channel



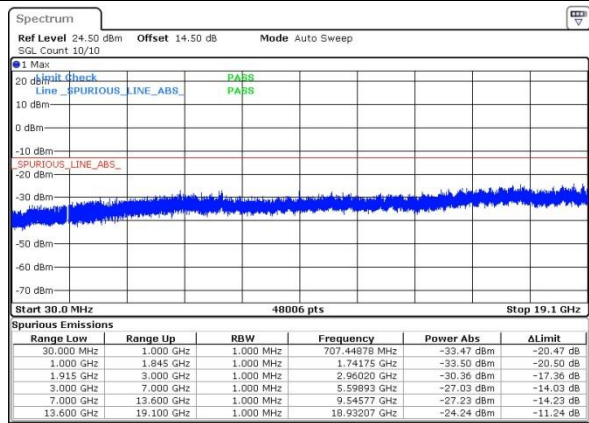
Date: 12.FEB.2019 11:50:44

Highest Channel



Date: 12.FEB.2019 10:37:22

Highest Channel



Date: 12.FEB.2019 11:52:35

**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	0.0011	0.0036	PASS
40	Normal Voltage	0.0011	0.0050	
30	Normal Voltage	0.0005	0.0055	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0011	0.0068	
0	Normal Voltage	0.0018	0.0072	
-10	Normal Voltage	0.0022	0.0037	
-20	Normal Voltage	0.0004	0.0081	
-30	Normal Voltage	0.0030	0.0044	
20	Maximum Voltage	0.0016	0.0035	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0019	0.0067	

Note: Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 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	0.0035	0.0016	PASS
40	Normal Voltage	0.0023	0.0011	
30	Normal Voltage	0.0032	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0004	0.0032	
0	Normal Voltage	0.0039	0.0013	
-10	Normal Voltage	0.0033	0.0041	
-20	Normal Voltage	0.0038	0.0001	
-30	Normal Voltage	0.0020	0.0014	
20	Maximum Voltage	0.0027	0.0021	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0011	0.0010	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 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 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note: Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 V. ; Maximum Voltage =4.2 V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 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	CDMA BC0 (1xRTT)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note: Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 V. ; Maximum Voltage =4.2 V

Test Conditions	Middle Channel	CDMA BC1 (1xRTT)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.8 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.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna:

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	-59.18	-13	-46.18	-68.77	-62.41	3.98	9.36	H
	2472.6	-44.00	-13	-31.00	-57.51	-47.55	4.85	10.55	H
	3296.8	-60.75	-13	-47.75	-76.46	-65.68	5.50	12.58	H
	1648.4	-56.48	-13	-43.48	-65.55	-59.71	3.98	9.36	V
	2472.6	-48.57	-13	-35.57	-61.88	-52.12	4.85	10.55	V
	3296.8	-60.89	-13	-47.89	-76.21	-65.82	5.50	12.58	V
Middle	1672.8	-54.89	-13	-41.89	-64.86	-58.14	4.00	9.40	H
	2509.2	-48.52	-13	-35.52	-62.02	-52.09	4.88	10.60	H
	3345.6	-61.48	-13	-48.48	-77.09	-66.41	5.52	12.60	H
	1672.8	-56.35	-13	-43.35	-65.81	-59.60	4.00	9.40	V
	2509.2	-44.11	-13	-31.11	-57.44	-47.68	4.88	10.60	V
	3345.6	-61.77	-13	-48.77	-76.94	-66.70	5.52	12.60	V
Highest	1697.6	-56.53	-13	-43.53	-66.67	-59.70	4.10	9.42	H
	2546.4	-44.70	-13	-31.70	-58.22	-48.28	4.90	10.63	H
	3395.2	-62.03	-13	-49.03	-76.82	-66.95	5.55	12.62	H
	1697.6	-54.76	-13	-41.76	-64.40	-57.93	4.10	9.42	V
	2546.4	-45.52	-13	-32.52	-58.78	-49.10	4.90	10.63	V
	3395.2	-62.57	-13	-49.57	-76.85	-67.49	5.55	12.62	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)
Lowest	1648.4	-58.07	-13	-45.07	-67.66	-61.30	3.98	9.36	H
	2472.6	-53.98	-13	-40.98	-67.49	-57.53	4.85	10.55	H
	3296.8	-60.88	-13	-47.88	-76.59	-65.81	5.50	12.58	H
	1648.4	-57.90	-13	-44.90	-66.97	-61.13	3.98	9.36	V
	2472.6	-53.16	-13	-40.16	-66.47	-56.71	4.85	10.55	V
	3296.8	-61.39	-13	-48.39	-76.71	-66.32	5.50	12.58	V
Middle	1672.8	-59.35	-13	-46.35	-69.32	-62.60	4.00	9.40	H
	2509.2	-52.42	-13	-39.42	-65.92	-55.99	4.88	10.60	H
	3345.6	-61.58	-13	-48.58	-77.19	-66.51	5.52	12.60	H
	1672.8	-55.19	-13	-42.19	-64.65	-58.44	4.00	9.40	V
	2509.2	-49.70	-13	-36.70	-63.03	-53.27	4.88	10.60	V
	3345.6	-62.08	-13	-49.08	-77.25	-67.01	5.52	12.60	V
Highest	1697.6	-56.74	-13	-43.74	-66.88	-59.91	4.10	9.42	H
	2546.4	-51.36	-13	-38.36	-64.88	-54.94	4.90	10.63	H
	3395.2	-62.06	-13	-49.06	-76.85	-66.98	5.55	12.62	H
	1697.6	-53.89	-13	-40.89	-63.53	-57.06	4.10	9.42	V
	2546.4	-52.27	-13	-39.27	-65.53	-55.85	4.90	10.63	V
	3395.2	-62.59	-13	-49.59	-76.87	-67.51	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	-56.34	-13	-43.34	-74.13	-63.10	5.82	12.58	H
	5550.6	-46.53	-13	-33.53	-67.78	-52.25	7.28	13.00	H
	7400.8	-53.10	-13	-40.10	-79.14	-56.26	8.32	11.48	H
	3700.4	-58.40	-13	-45.40	-75.52	-65.16	5.82	12.58	V
	5550.6	-49.92	-13	-36.92	-70.41	-55.64	7.28	13.00	V
	7400.8	-53.69	-13	-40.69	-79.02	-56.85	8.32	11.48	V
Middle	3760	-52.06	-13	-39.06	-70.01	-58.81	5.85	12.60	H
	5640	-48.45	-13	-35.45	-69.64	-54.25	7.30	13.10	H
	7520	-53.95	-13	-40.95	-79.14	-57.10	8.35	11.50	H
	3760	-57.05	-13	-44.05	-74.23	-63.80	5.85	12.60	V
	5640	-44.59	-13	-31.59	-64.72	-50.39	7.30	13.10	V
	7520	-54.56	-13	-41.56	-79.17	-57.71	8.35	11.50	V
Highest	3819.6	-46.19	-13	-33.19	-64.39	-52.93	5.88	12.62	H
	5729.4	-54.78	-13	-41.78	-76.39	-60.59	7.32	13.13	H
	7639.2	-53.71	-13	-40.71	-78.55	-56.87	8.38	11.54	H
	3819.6	-58.10	-13	-45.10	-75.45	-64.84	5.88	12.62	V
	5729.4	-49.06	-13	-36.06	-69.74	-54.87	7.32	13.13	V
	7639.2	-54.14	-13	-41.14	-78.46	-57.30	8.38	11.54	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)
Lowest	3700.4	-57.07	-13	-44.07	-74.86	-63.83	5.82	12.58	H
	5550.6	-50.58	-13	-37.58	-71.83	-56.30	7.28	13.00	H
	7400.8	-52.82	-13	-39.82	-78.86	-55.98	8.32	11.48	H
	3700.4	-57.69	-13	-44.69	-74.81	-64.45	5.82	12.58	V
	5550.6	-50.28	-13	-37.28	-70.77	-56.00	7.28	13.00	V
	7400.8	-53.77	-13	-40.77	-79.1	-56.93	8.32	11.48	V
Middle	3760	-53.34	-13	-40.34	-71.29	-60.09	5.85	12.60	H
	5640	-54.94	-13	-41.94	-76.13	-60.74	7.30	13.10	H
	7520	-53.68	-13	-40.68	-78.87	-56.83	8.35	11.50	H
	3760	-59.31	-13	-46.31	-76.49	-66.06	5.85	12.60	V
	5640	-51.05	-13	-38.05	-71.18	-56.85	7.30	13.10	V
	7520	-54.24	-13	-41.24	-78.85	-57.39	8.35	11.50	V
Highest	3819.6	-54.92	-13	-41.92	-73.12	-61.66	5.88	12.62	H
	5729.4	-54.01	-13	-41.01	-75.62	-59.82	7.32	13.13	H
	7639.2	-54.30	-13	-41.30	-79.14	-57.46	8.38	11.54	H
	3819.6	-58.28	-13	-45.28	-75.63	-65.02	5.88	12.62	V
	5729.4	-51.52	-13	-38.52	-72.2	-57.33	7.32	13.13	V
	7639.2	-54.29	-13	-41.29	-78.61	-57.45	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	-64.39	-13	-51.39	-74.01	-67.62	3.98	9.36	H
	2479.2	-61.09	-13	-48.09	-74.60	-64.64	4.85	10.55	H
	3305.6	-60.88	-13	-47.88	-76.55	-65.81	5.50	12.58	H
	1652.8	-64.60	-13	-51.60	-73.70	-67.83	3.98	9.36	V
	2479.2	-61.30	-13	-48.30	-74.61	-64.85	4.85	10.55	V
	3305.6	-61.13	-13	-48.13	-76.39	-66.06	5.50	12.58	V
Middle	1672.8	-64.27	-13	-51.27	-74.24	-67.52	4.00	9.40	H
	2509.2	-61.90	-13	-48.90	-75.40	-65.47	4.88	10.60	H
	3345.6	-61.69	-13	-48.69	-77.30	-66.62	5.52	12.60	H
	1672.8	-64.66	-13	-51.66	-74.12	-67.91	4.00	9.40	V
	2509.2	-62.00	-13	-49.00	-75.33	-65.57	4.88	10.60	V
	3345.6	-61.90	-13	-48.90	-77.07	-66.83	5.52	12.60	V
Highest	1693.2	-64.05	-13	-51.05	-74.19	-67.22	4.10	9.42	H
	2539.8	-61.81	-13	-48.81	-75.32	-65.39	4.90	10.63	H
	3386.4	-61.61	-13	-48.61	-76.68	-66.53	5.55	12.62	H
	1693.2	-64.51	-13	-51.51	-74.15	-67.68	4.10	9.42	V
	2539.8	-62.05	-13	-49.05	-75.30	-65.63	4.90	10.63	V
	3386.4	-61.89	-13	-48.89	-76.48	-66.81	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	-58.89	-13	-45.89	-76.68	-65.65	5.82	12.58	H
	5557.2	-56.67	-13	-43.67	-77.93	-62.39	7.28	13.00	H
	7409.6	-53.25	-13	-40.25	-79.29	-56.41	8.32	11.48	H
	3704.8	-59.29	-13	-46.29	-76.41	-66.05	5.82	12.58	V
	5557.2	-58.36	-13	-45.36	-78.86	-64.08	7.28	13.00	V
	7409.6	-53.94	-13	-40.94	-79.27	-57.10	8.32	11.48	V
Middle	3760	-59.54	-13	-46.54	-77.49	-66.29	5.85	12.60	H
	5640	-57.25	-13	-44.25	-78.44	-63.05	7.30	13.10	H
	7520	-53.87	-13	-40.87	-79.06	-57.02	8.35	11.50	H
	3760	-59.90	-13	-46.90	-77.08	-66.65	5.85	12.60	V
	5640	-57.32	-13	-44.32	-77.45	-63.12	7.30	13.10	V
	7520	-54.45	-13	-41.45	-79.06	-57.60	8.35	11.50	V
Highest	3815.2	-58.60	-13	-45.60	-76.80	-65.34	5.88	12.62	H
	5722.8	-57.04	-13	-44.04	-78.65	-62.85	7.32	13.13	H
	7630.4	-54.05	-13	-41.05	-78.85	-57.21	8.38	11.54	H
	3815.2	-59.71	-13	-46.71	-77.06	-66.45	5.88	12.62	V
	5722.8	-58.27	-13	-45.27	-78.95	-64.08	7.32	13.13	V
	7630.4	-54.74	-13	-41.74	-79.03	-57.90	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	-61.22	-13	-48.22	-76.47	-68.10	5.60	12.48	H
	5137.2	-57.55	-13	-44.55	-79.03	-63.23	7.10	12.78	H
	6849.6	-56.63	-13	-43.63	-80.34	-60.02	8.38	11.77	H
	3424.8	-62.07	-13	-49.07	-76.82	-68.95	5.60	12.48	V
	5137.2	-58.03	-13	-45.03	-78.73	-63.71	7.10	12.78	V
	6849.6	-57.33	-13	-44.33	-80.16	-60.72	8.38	11.77	V
Middle	3465.2	-59.82	-13	-46.82	-75.53	-66.67	5.65	12.50	H
	5197.8	-57.39	-13	-44.39	-78.96	-63.06	7.13	12.80	H
	6930.4	-56.52	-13	-43.52	-79.99	-59.92	8.40	11.80	H
	3465.2	-61.57	-13	-48.57	-76.79	-68.42	5.65	12.50	V
	5197.8	-58.10	-13	-45.10	-78.6	-63.77	7.13	12.80	V
	6930.4	-57.09	-13	-44.09	-80.18	-60.49	8.40	11.80	V
Highest	3505.2	-59.24	-13	-46.24	-75.41	-66.08	5.68	12.52	H
	5257.8	-58.82	-13	-45.82	-79.07	-64.49	7.15	12.82	H
	7010.4	-56.23	-13	-43.23	-79.76	-59.66	8.42	11.85	H
	3505.2	-60.80	-13	-47.80	-76.49	-67.64	5.68	12.52	V
	5257.8	-59.85	-13	-46.85	-79.04	-65.52	7.15	12.82	V
	7010.4	-56.34	-13	-43.34	-79.83	-59.77	8.42	11.85	V

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



CDMA BC0(1xRTT)									
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	1649.4	-65.19	-13	-52.19	-74.78	-68.42	3.98	9.36	H
	2474.1	-62.66	-13	-49.66	-76.17	-66.21	4.85	10.55	H
	3298.8	-61.06	-13	-48.06	-76.77	-65.99	5.50	12.58	H
	4123.5	-56.80	-13	-43.80	-75.71	-61.27	5.98	12.60	H
	1649.4	-65.48	-13	-52.48	-74.55	-68.71	3.98	9.36	V
	2474.1	-62.71	-13	-49.71	-76.02	-66.26	4.85	10.55	V
	3298.8	-61.58	-13	-48.58	-76.90	-66.51	5.50	12.58	V
	4123.5	-60.07	-13	-47.07	-78.06	-64.54	5.98	12.60	V
Middle	1673	-64.06	-13	-51.06	-74.03	-67.31	4.00	9.40	H
	2509.56	-62.26	-13	-49.26	-75.76	-65.83	4.88	10.60	H
	3346.08	-62.42	-13	-49.42	-78.03	-67.35	5.52	12.60	H
	1673	-65.11	-13	-52.11	-74.57	-68.36	4.00	9.40	V
	2509.56	-62.54	-13	-49.54	-75.87	-66.11	4.88	10.60	V
	3346.08	-62.22	-13	-49.22	-77.39	-67.15	5.52	12.60	V
Highest	1696.62	-64.30	-13	-51.30	-74.44	-67.47	4.10	9.42	H
	2544.93	-62.68	-13	-49.68	-76.20	-66.26	4.90	10.63	H
	3393.24	-62.39	-13	-49.39	-77.18	-67.31	5.55	12.62	H
	4241.55	-54.27	-13	-41.27	-73.16	-58.75	6.02	12.65	H
	1696.62	-65.30	-13	-52.30	-74.94	-68.47	4.10	9.42	V
	2544.93	-62.33	-13	-49.33	-75.59	-65.91	4.90	10.63	V
	3393.24	-62.28	-13	-49.28	-76.56	-67.20	5.55	12.62	V
	4241.55	-57.05	-13	-44.05	-74.94	-61.53	6.02	12.65	V

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



CDMA BC1(1xRTT)									
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	3702.5	-58.99	-13	-45.99	-76.78	-65.75	5.82	12.58	H
	5553.75	-58.56	-13	-45.56	-79.82	-64.28	7.28	13.00	H
	7405	-53.40	-13	-40.40	-79.44	-56.56	8.32	11.48	H
	3702.5	-59.33	-13	-46.33	-76.45	-66.09	5.82	12.58	V
	5553.75	-58.68	-13	-45.68	-79.18	-64.40	7.28	13.00	V
	7405	-54.00	-13	-41.00	-79.33	-57.16	8.32	11.48	V
Middle	3760	-59.27	-13	-46.27	-77.22	-66.02	5.85	12.60	H
	5640	-57.46	-13	-44.46	-78.65	-63.26	7.30	13.10	H
	7520	-54.22	-13	-41.22	-79.41	-57.37	8.35	11.50	H
	3760	-60.24	-13	-47.24	-77.42	-66.99	5.85	12.60	V
	5640	-57.37	-13	-44.37	-77.5	-63.17	7.30	13.10	V
	7520	-54.69	-13	-41.69	-79.3	-57.84	8.35	11.50	V
Highest	3817.6	-58.11	-13	-45.11	-76.31	-64.85	5.88	12.62	H
	5726.4	-57.96	-13	-44.96	-79.57	-63.77	7.32	13.13	H
	7635.2	-54.89	-13	-41.89	-79.69	-58.05	8.38	11.54	H
	3817.6	-59.96	-13	-46.96	-77.31	-66.70	5.88	12.62	V
	5726.4	-58.51	-13	-45.51	-79.19	-64.32	7.32	13.13	V
	7635.2	-55.11	-13	-42.11	-79.4	-58.27	8.38	11.54	V

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



Bottom Antenna:

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	-60.86	-13	-47.86	-70.45	-64.09	3.98	9.36	H
	2472.6	-44.34	-13	-31.34	-57.85	-47.89	4.85	10.55	H
	3296.8	-60.60	-13	-47.60	-76.31	-65.53	5.50	12.58	H
	4121	-57.00	-13	-44.00	-75.91	-61.47	5.98	12.60	H
	1648.4	-61.48	-13	-48.48	-70.55	-64.71	3.98	9.36	V
	2472.6	-48.07	-13	-35.07	-61.38	-51.62	4.85	10.55	V
	3296.8	-61.03	-13	-48.03	-76.35	-65.96	5.50	12.58	V
	4121	-55.83	-13	-42.83	-73.82	-60.30	5.98	12.60	V
Middle	1672.8	-59.90	-13	-46.90	-69.87	-63.15	4.00	9.40	H
	2509.2	-48.09	-13	-35.09	-61.59	-51.66	4.88	10.60	H
	3345.6	-60.74	-13	-47.74	-76.35	-65.67	5.52	12.60	H
	4182	-59.09	-13	-46.09	-77.95	-63.56	6.00	12.62	H
	1672.8	-64.21	-13	-51.21	-73.67	-67.46	4.00	9.40	V
	2509.2	-45.77	-13	-32.77	-59.10	-49.34	4.88	10.60	V
	3345.6	-61.73	-13	-48.73	-76.90	-66.66	5.52	12.60	V
	4182	-55.81	-13	-42.81	-73.67	-60.28	6.00	12.62	V
Highest	1697.6	-58.63	-13	-45.63	-68.77	-61.80	4.10	9.42	H
	2546.4	-47.21	-13	-34.21	-60.73	-50.79	4.90	10.63	H
	3395.2	-61.56	-13	-48.56	-76.35	-66.48	5.55	12.62	H
	4244	-54.91	-13	-41.91	-73.80	-59.39	6.02	12.65	H
	1697.6	-64.08	-13	-51.08	-73.72	-67.25	4.10	9.42	V
	2546.4	-51.57	-13	-38.57	-64.83	-55.15	4.90	10.63	V
	3395.2	-61.78	-13	-48.78	-76.06	-66.70	5.55	12.62	V
	4244	-57.39	-13	-44.39	-75.28	-61.87	6.02	12.65	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)
Lowest	1648.4	-61.71	-13	-48.71	-71.30	-64.94	3.98	9.36	H
	2472.6	-47.37	-13	-34.37	-60.88	-50.92	4.85	10.55	H
	3296.8	-60.31	-13	-47.31	-76.02	-65.24	5.50	12.58	H
	4121	-59.66	-13	-46.66	-78.57	-64.13	5.98	12.60	H
	1648.4	-64.50	-13	-51.50	-73.57	-67.73	3.98	9.36	V
	2472.6	-46.81	-13	-33.81	-60.12	-50.36	4.85	10.55	V
	3296.8	-61.07	-13	-48.07	-76.39	-66.00	5.50	12.58	V
	4121	-54.44	-13	-41.44	-72.43	-58.91	5.98	12.60	V
Middle	1672.8	-59.94	-13	-46.94	-69.91	-63.19	4.00	9.40	H
	2509.2	-48.78	-13	-35.78	-62.28	-52.35	4.88	10.60	H
	3345.6	-61.38	-13	-48.38	-76.99	-66.31	5.52	12.60	H
	4182	-59.27	-13	-46.27	-78.13	-63.74	6.00	12.62	H
	1672.8	-64.79	-13	-51.79	-74.25	-68.04	4.00	9.40	V
	2509.2	-45.50	-13	-32.50	-58.83	-49.07	4.88	10.60	V
	3345.6	-62.02	-13	-49.02	-77.19	-66.95	5.52	12.60	V
	4182	-55.06	-13	-42.06	-72.92	-59.53	6.00	12.62	V
Highest	1697.6	-57.44	-13	-44.44	-67.58	-60.61	4.10	9.42	H
	2546.4	-47.21	-13	-34.21	-60.73	-50.79	4.90	10.63	H
	3395.2	-61.55	-13	-48.55	-76.34	-66.47	5.55	12.62	H
	4244	-55.70	-13	-42.70	-74.59	-60.18	6.02	12.65	H
	1697.6	-63.42	-13	-50.42	-73.06	-66.59	4.10	9.42	V
	2546.4	-50.85	-13	-37.85	-64.11	-54.43	4.90	10.63	V
	3395.2	-61.77	-13	-48.77	-76.05	-66.69	5.55	12.62	V
	4244	-57.82	-13	-44.82	-75.71	-62.30	6.02	12.65	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	-49.00	-13	-36.00	-66.79	-55.76	5.82	12.58	H
	5550.6	-57.62	-13	-44.62	-78.87	-63.34	7.28	13.00	H
	7400.8	-53.21	-13	-40.21	-79.25	-56.37	8.32	11.48	H
	3700.4	-56.13	-13	-43.13	-73.25	-62.89	5.82	12.58	V
	5550.6	-57.59	-13	-44.59	-78.08	-63.31	7.28	13.00	V
	7400.8	-53.76	-13	-40.76	-79.09	-56.92	8.32	11.48	V
Middle	3760	-52.03	-13	-39.03	-69.98	-58.78	5.85	12.60	H
	5640	-56.61	-13	-43.61	-77.80	-62.41	7.30	13.10	H
	7520	-53.75	-13	-40.75	-78.94	-56.90	8.35	11.50	H
	3760	-57.90	-13	-44.90	-75.08	-64.65	5.85	12.60	V
	5640	-58.88	-13	-45.88	-79.01	-64.68	7.30	13.10	V
	7520	-54.52	-13	-41.52	-79.13	-57.67	8.35	11.50	V
Highest	3819.6	-53.78	-13	-40.78	-71.98	-60.52	5.88	12.62	H
	5729.4	-57.38	-13	-44.38	-78.99	-63.19	7.32	13.13	H
	7639.2	-53.98	-13	-40.98	-78.82	-57.14	8.38	11.54	H
	3819.6	-58.21	-13	-45.21	-75.56	-64.95	5.88	12.62	V
	5729.4	-58.07	-13	-45.07	-78.75	-63.88	7.32	13.13	V
	7639.2	-54.22	-13	-41.22	-78.54	-57.38	8.38	11.54	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)
Lowest	3700.4	-52.45	-13	-39.45	-70.24	-59.21	5.82	12.58	H
	5550.6	-57.40	-13	-44.40	-78.65	-63.12	7.28	13.00	H
	7400.8	-53.08	-13	-40.08	-79.12	-56.24	8.32	11.48	H
	3700.4	-59.81	-13	-46.81	-76.93	-66.57	5.82	12.58	V
	5550.6	-58.32	-13	-45.32	-78.81	-64.04	7.28	13.00	V
	7400.8	-53.85	-13	-40.85	-79.18	-57.01	8.32	11.48	V
Middle	3760	-54.89	-13	-41.89	-72.84	-61.64	5.85	12.60	H
	5640	-57.33	-13	-44.33	-78.52	-63.13	7.30	13.10	H
	7520	-53.98	-13	-40.98	-79.17	-57.13	8.35	11.50	H
	3760	-57.89	-13	-44.89	-75.07	-64.64	5.85	12.60	V
	5640	-58.79	-13	-45.79	-78.92	-64.59	7.30	13.10	V
	7520	-54.36	-13	-41.36	-78.97	-57.51	8.35	11.50	V
Highest	3819.6	-52.29	-13	-39.29	-70.49	-59.03	5.88	12.62	H
	5729.4	-56.90	-13	-43.90	-78.51	-62.71	7.32	13.13	H
	7639.2	-53.65	-13	-40.65	-78.49	-56.81	8.38	11.54	H
	3819.6	-57.99	-13	-44.99	-75.34	-64.73	5.88	12.62	V
	5729.4	-58.40	-13	-45.40	-79.08	-64.21	7.32	13.13	V
	7639.2	-54.19	-13	-41.19	-78.51	-57.35	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	-64.10	-13	-51.10	-73.72	-67.33	3.98	9.36	H
	2479.2	-61.05	-13	-48.05	-74.56	-64.60	4.85	10.55	H
	3305.6	-60.69	-13	-47.69	-76.36	-65.62	5.50	12.58	H
	1652.8	-64.85	-13	-51.85	-73.95	-68.08	3.98	9.36	V
	2479.2	-61.90	-13	-48.90	-75.21	-65.45	4.85	10.55	V
	3305.6	-60.98	-13	-47.98	-76.24	-65.91	5.50	12.58	V
Middle	1672.8	-64.05	-13	-51.05	-74.02	-67.30	4.00	9.40	H
	2509.2	-61.71	-13	-48.71	-75.21	-65.28	4.88	10.60	H
	3345.6	-61.47	-13	-48.47	-77.08	-66.40	5.52	12.60	H
	1672.8	-64.51	-13	-51.51	-73.97	-67.76	4.00	9.40	V
	2509.2	-62.00	-13	-49.00	-75.33	-65.57	4.88	10.60	V
	3345.6	-61.65	-13	-48.65	-76.82	-66.58	5.52	12.60	V
Highest	1693.2	-63.95	-13	-50.95	-74.09	-67.12	4.10	9.42	H
	2539.8	-61.92	-13	-48.92	-75.43	-65.50	4.90	10.63	H
	3386.4	-61.48	-13	-48.48	-76.55	-66.40	5.55	12.62	H
	1693.2	-64.29	-13	-51.29	-73.93	-67.46	4.10	9.42	V
	2539.8	-61.96	-13	-48.96	-75.21	-65.54	4.90	10.63	V
	3386.4	-62.16	-13	-49.16	-76.75	-67.08	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	-59.02	-13	-46.02	-76.81	-65.78	5.82	12.58	H
	5557.2	-57.78	-13	-44.78	-79.04	-63.50	7.28	13.00	H
	7409.6	-53.13	-13	-40.13	-79.17	-56.29	8.32	11.48	H
	3704.8	-59.57	-13	-46.57	-76.69	-66.33	5.82	12.58	V
	5557.2	-58.45	-13	-45.45	-78.95	-64.17	7.28	13.00	V
	7409.6	-54.10	-13	-41.10	-79.43	-57.26	8.32	11.48	V
Middle	3760	-59.27	-13	-46.27	-77.22	-66.02	5.85	12.60	H
	5640	-57.63	-13	-44.63	-78.82	-63.43	7.30	13.10	H
	7520	-53.83	-13	-40.83	-79.02	-56.98	8.35	11.50	H
	3760	-59.98	-13	-46.98	-77.16	-66.73	5.85	12.60	V
	5640	-58.80	-13	-45.80	-78.93	-64.60	7.30	13.10	V
	7520	-54.65	-13	-41.65	-79.26	-57.80	8.35	11.50	V
Highest	3815.2	-58.82	-13	-45.82	-77.02	-65.56	5.88	12.62	H
	5722.8	-57.30	-13	-44.30	-78.91	-63.11	7.32	13.13	H
	7630.4	-54.31	-13	-41.31	-79.11	-57.47	8.38	11.54	H
	3815.2	-59.61	-13	-46.61	-76.96	-66.35	5.88	12.62	V
	5722.8	-58.16	-13	-45.16	-78.84	-63.97	7.32	13.13	V
	7630.4	-54.86	-13	-41.86	-79.15	-58.02	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	-61.70	-13	-48.70	-76.95	-68.58	5.60	12.48	H
	5137.2	-57.32	-13	-44.32	-78.80	-63.00	7.10	12.78	H
	6849.6	-56.50	-13	-43.50	-80.21	-59.89	8.38	11.77	H
	3424.8	-62.14	-13	-49.14	-76.89	-69.02	5.60	12.48	V
	5137.2	-58.30	-13	-45.30	-79	-63.98	7.10	12.78	V
	6849.6	-57.54	-13	-44.54	-80.37	-60.93	8.38	11.77	V
Middle	3465.2	-61.41	-13	-48.41	-77.12	-68.26	5.65	12.50	H
	5197.8	-57.53	-13	-44.53	-79.10	-63.20	7.13	12.80	H
	6930.4	-56.52	-13	-43.52	-79.99	-59.92	8.40	11.80	H
	3465.2	-61.75	-13	-48.75	-76.97	-68.60	5.65	12.50	V
	5197.8	-58.53	-13	-45.53	-79.03	-64.20	7.13	12.80	V
	6930.4	-56.99	-13	-43.99	-80.08	-60.39	8.40	11.80	V
Highest	3505.2	-59.95	-13	-46.95	-76.12	-66.79	5.68	12.52	H
	5257.8	-58.58	-13	-45.58	-78.83	-64.25	7.15	12.82	H
	7010.4	-55.80	-13	-42.80	-79.33	-59.23	8.42	11.85	H
	3505.2	-60.98	-13	-47.98	-76.67	-67.82	5.68	12.52	V
	5257.8	-58.93	-13	-45.93	-78.12	-64.60	7.15	12.82	V
	7010.4	-56.56	-13	-43.56	-80.05	-59.99	8.42	11.85	V

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



CDMA BC0(1xRTT)									
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	1649.4	-64.81	-13	-51.81	-74.40	-68.04	3.98	9.36	H
	2474.1	-62.25	-13	-49.25	-75.76	-65.80	4.85	10.55	H
	3298.8	-60.87	-13	-47.87	-76.58	-65.80	5.50	12.58	H
	4123.5	-55.56	-13	-42.56	-74.47	-60.03	5.98	12.60	H
	1649.4	-65.15	-13	-52.15	-74.22	-68.38	3.98	9.36	V
	2474.1	-62.22	-13	-49.22	-75.53	-65.77	4.85	10.55	V
	3298.8	-60.92	-13	-47.92	-76.24	-65.85	5.50	12.58	V
	4123.5	-57.78	-13	-44.78	-75.77	-62.25	5.98	12.60	V
Middle	1673.04	-64.42	-13	-51.42	-74.39	-67.67	4.00	9.40	H
	2509.56	-59.06	-13	-46.06	-72.56	-62.63	4.88	10.60	H
	3346.08	-61.70	-13	-48.70	-77.31	-66.63	5.52	12.60	H
	4182.6	-56.61	-13	-43.61	-75.47	-61.08	6.00	12.62	H
	1673.04	-64.77	-13	-51.77	-74.23	-68.02	4.00	9.40	V
	2509.56	-60.21	-13	-47.21	-73.54	-63.78	4.88	10.60	V
	3346.08	-62.45	-13	-49.45	-77.62	-67.38	5.52	12.60	V
	4182.6	-56.98	-13	-43.98	-74.84	-61.45	6.00	12.62	V
Highest	1696.62	-64.99	-13	-51.99	-75.13	-68.16	4.10	9.42	H
	2544.93	-61.84	-13	-48.84	-75.36	-65.42	4.90	10.63	H
	3393	-60.85	-13	-47.85	-75.64	-65.77	5.55	12.62	H
	4241.55	-53.03	-13	-40.03	-71.92	-57.51	6.02	12.65	H
	1696.62	-64.94	-13	-51.94	-74.58	-68.11	4.10	9.42	V
	2544.93	-62.28	-13	-49.28	-75.54	-65.86	4.90	10.63	V
	3393	-61.26	-13	-48.26	-75.54	-66.18	5.55	12.62	V
	4241.55	-57.42	-13	-44.42	-75.31	-61.90	6.02	12.65	V

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



CDMA BC1(1xRTT)									
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	3702.5	-58.75	-13	-45.75	-76.54	-65.51	5.82	12.58	H
	5553.75	-58.18	-13	-45.18	-79.44	-63.90	7.28	13.00	H
	7405	-53.59	-13	-40.59	-79.63	-56.75	8.32	11.48	H
	3702.5	-59.46	-13	-46.46	-76.58	-66.22	5.82	12.58	V
	5553.75	-58.77	-13	-45.77	-79.27	-64.49	7.28	13.00	V
	7405	-53.86	-13	-40.86	-79.19	-57.02	8.32	11.48	V
Middle	3760	-58.83	-13	-45.83	-76.78	-65.58	5.85	12.60	H
	5640	-57.82	-13	-44.82	-79.01	-63.62	7.30	13.10	H
	7520	-54.17	-13	-41.17	-79.36	-57.32	8.35	11.50	H
	3760	-60.27	-13	-47.27	-77.45	-67.02	5.85	12.60	V
	5640	-58.50	-13	-45.50	-78.63	-64.30	7.30	13.10	V
	7520	-54.51	-13	-41.51	-79.12	-57.66	8.35	11.50	V
Highest	3817.6	-58.46	-13	-45.46	-76.66	-65.20	5.88	12.62	H
	5726.4	-57.99	-13	-44.99	-79.60	-63.80	7.32	13.13	H
	7635.2	-54.93	-13	-41.93	-79.73	-58.09	8.38	11.54	H
	3817.6	-59.86	-13	-46.86	-77.21	-66.60	5.88	12.62	V
	5726.4	-58.91	-13	-45.91	-79.59	-64.72	7.32	13.13	V
	7635.2	-55.36	-13	-42.36	-79.65	-58.52	8.38	11.54	V

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