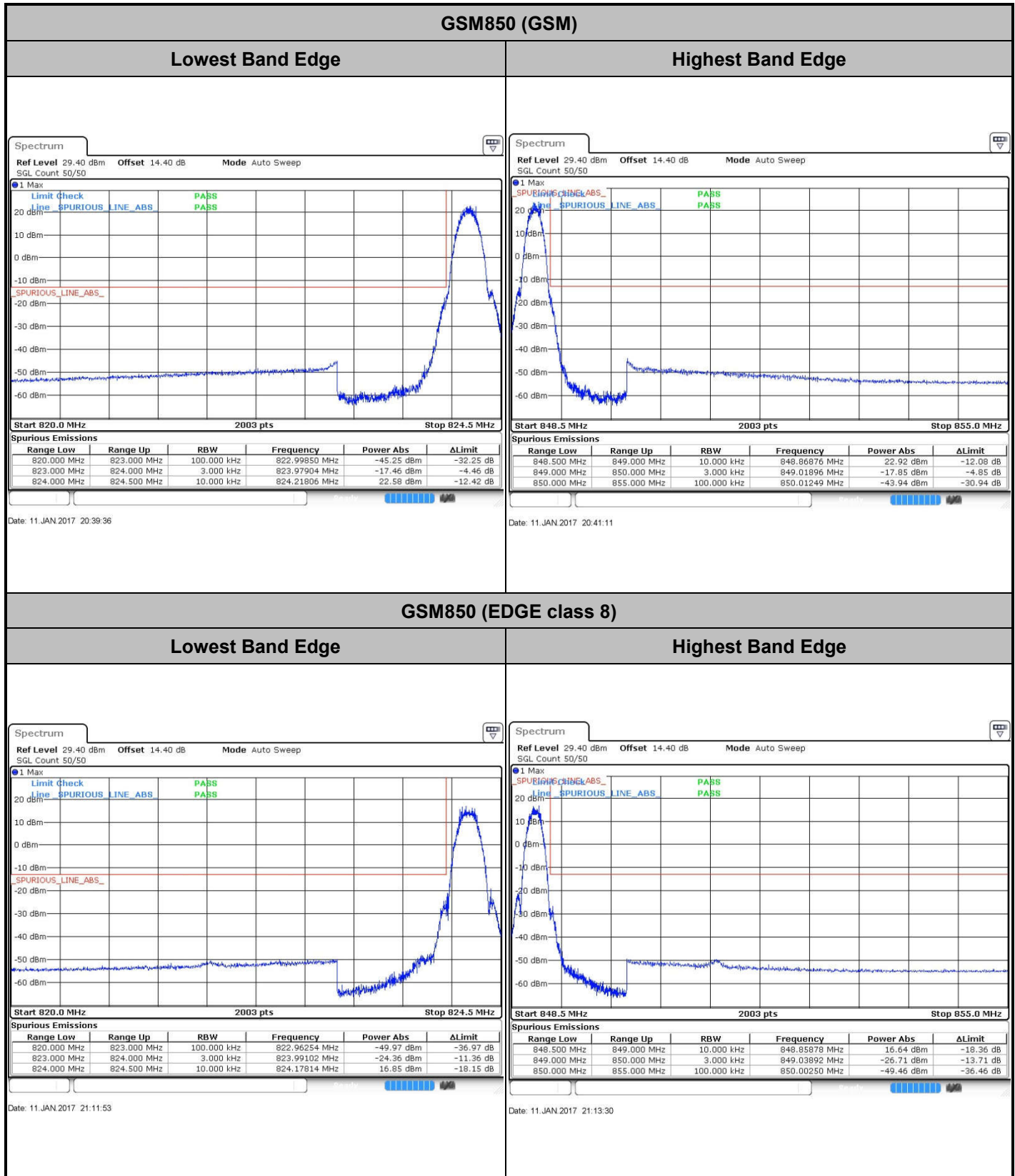
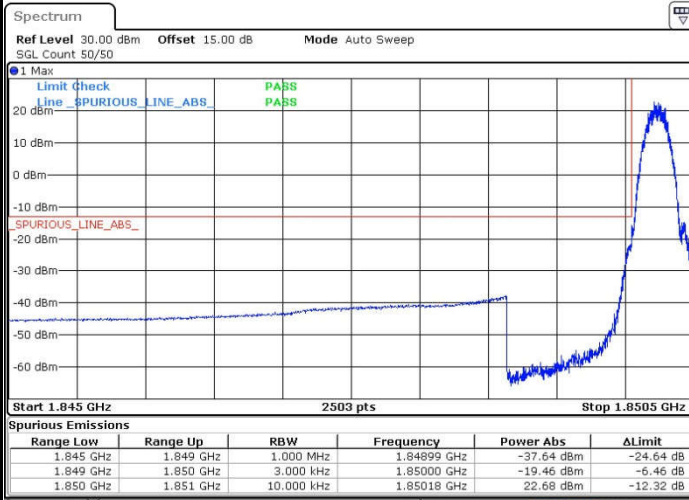


**Conducted Band Edge**

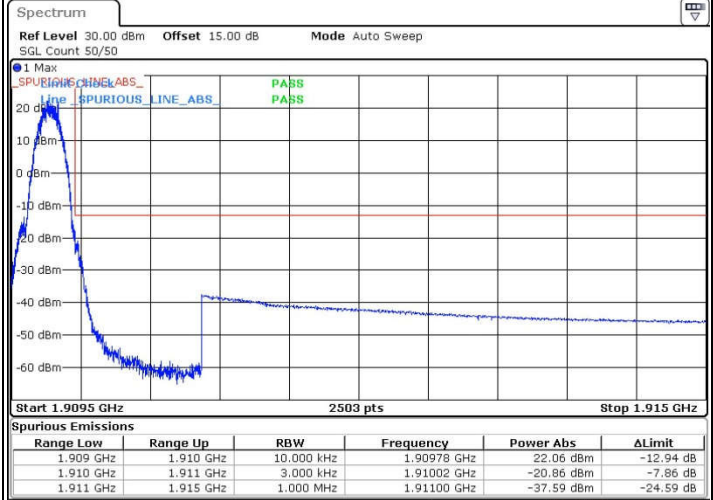


GSM1900 (GSM)

Lowest Band Edge

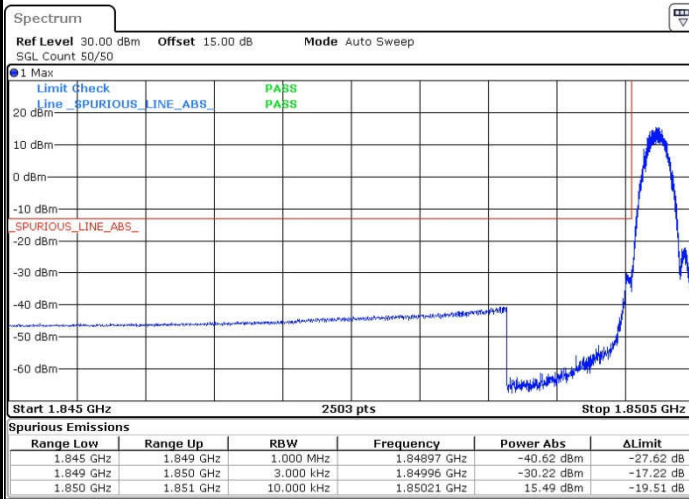


Highest Band Edge

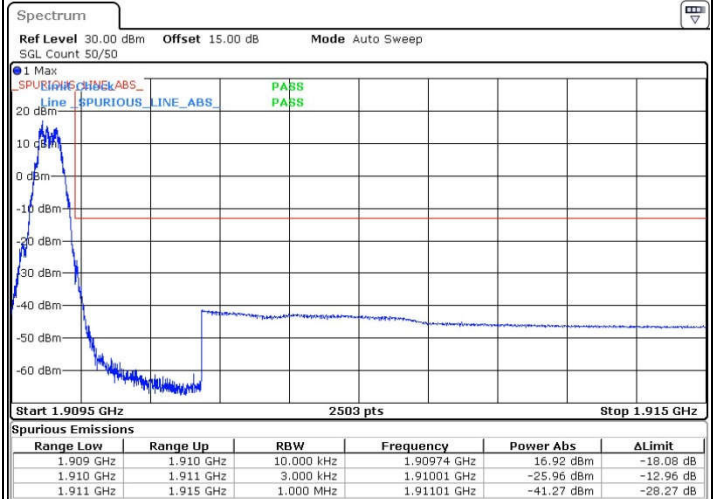


GSM1900 (EDGE class 8)

Lowest Band Edge



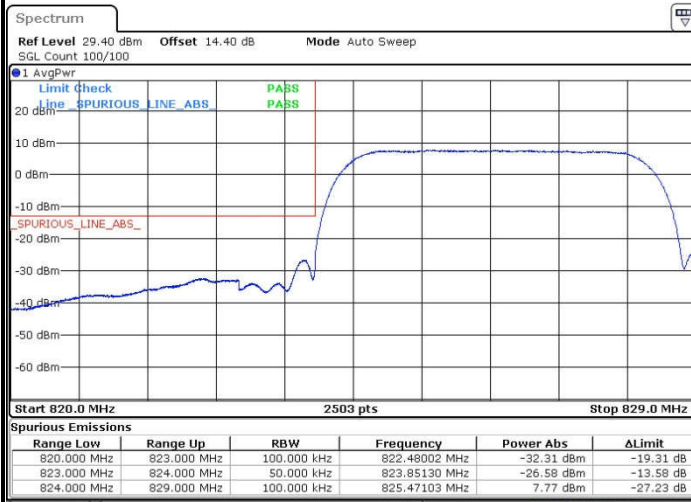
Highest Band Edge





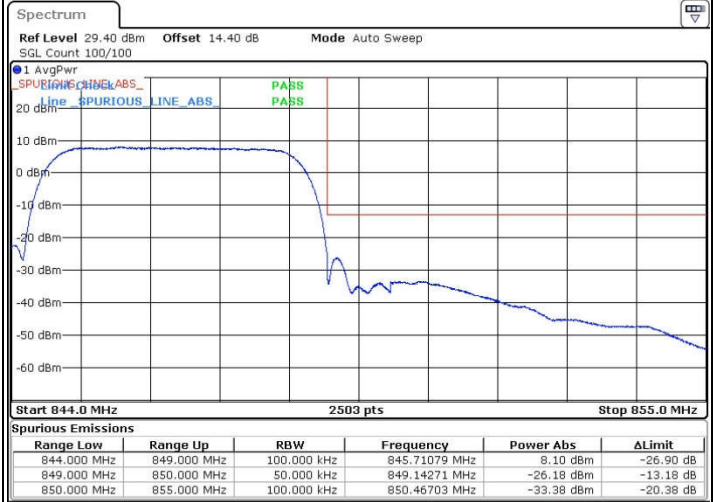
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 11 JAN 2017 22:34:02

Highest Band Edge



Date: 11 JAN 2017 22:37:08

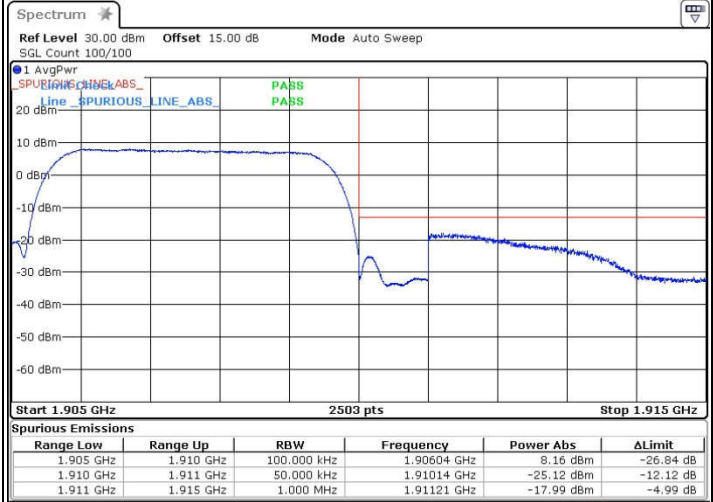


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

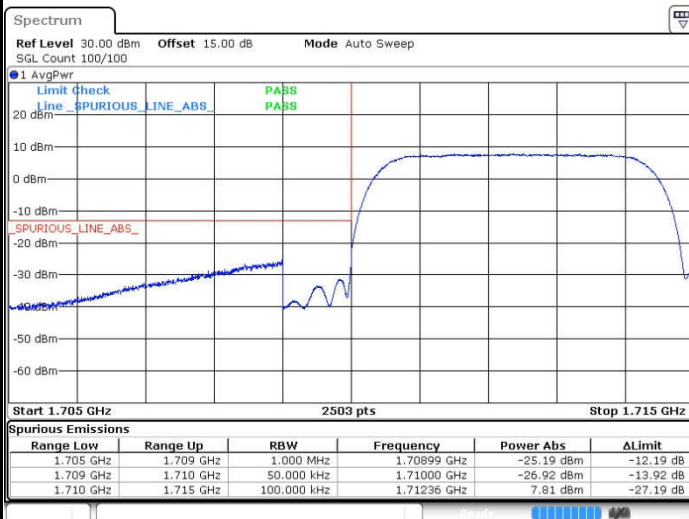


Highest Band Edge

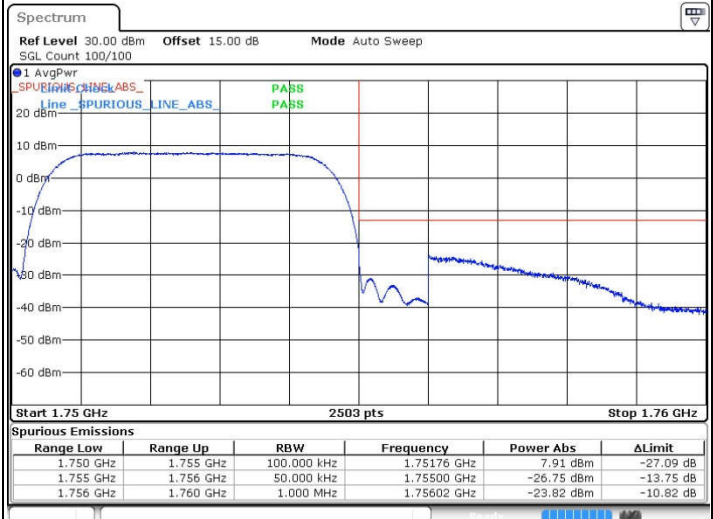


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



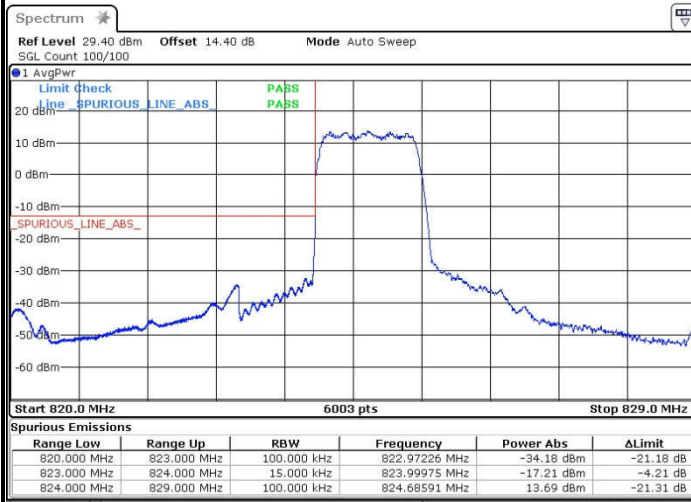
Highest Band Edge



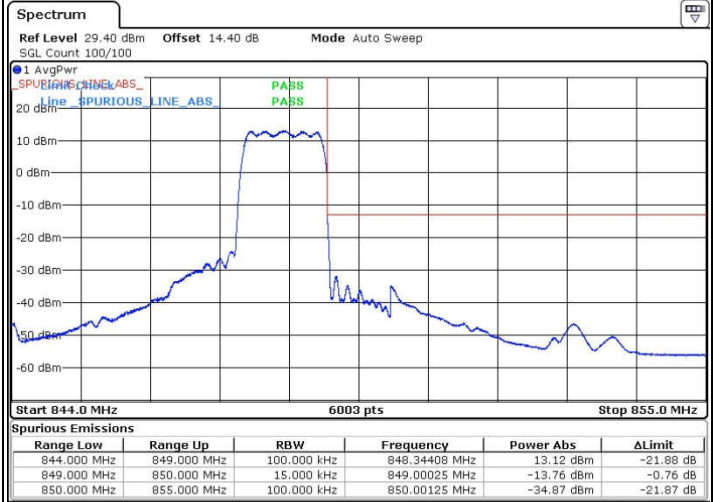


CDMA BC0 (RC1-SO55)

Lowest Band Edge

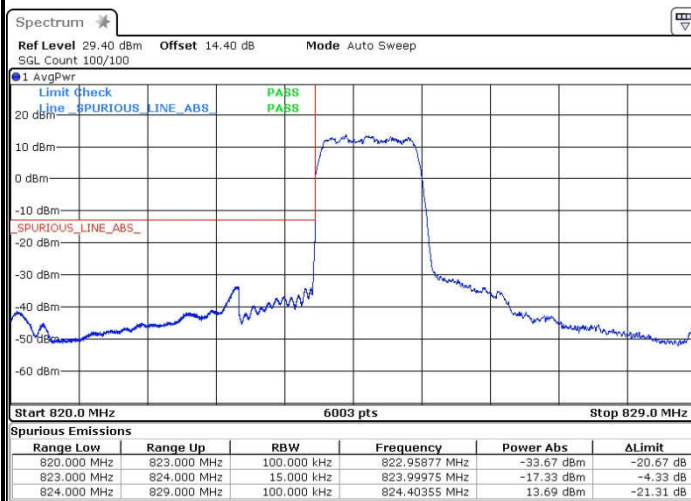


Highest Band Edge

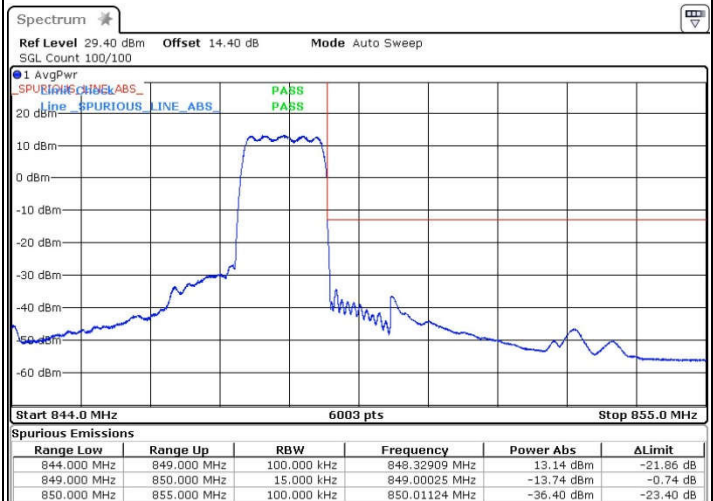


CDMA BC0 (RC3-SO32)

Lowest Band Edge



Highest Band Edge

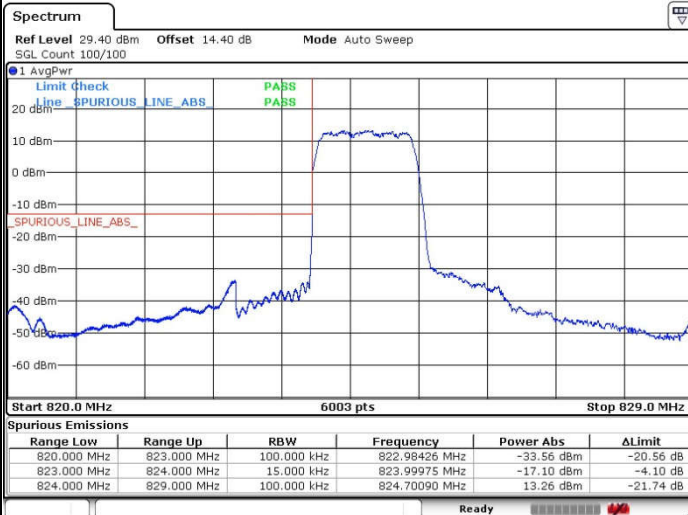




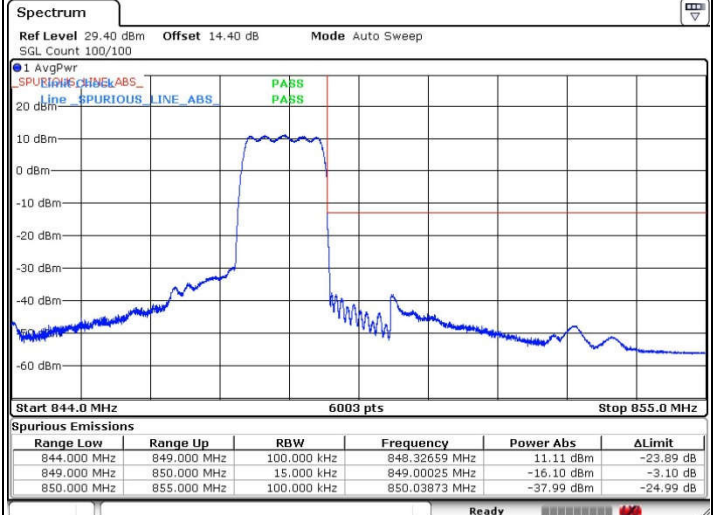
CDMA BC0 (RC3-SO55)

Lowest Band Edge

Highest Band Edge



Date: 19 JAN 2017 09:53:44

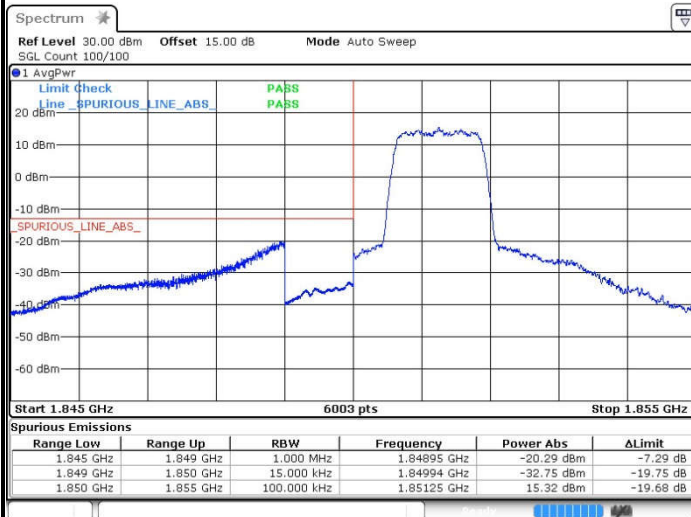


Date: 19 JAN 2017 10:02:14

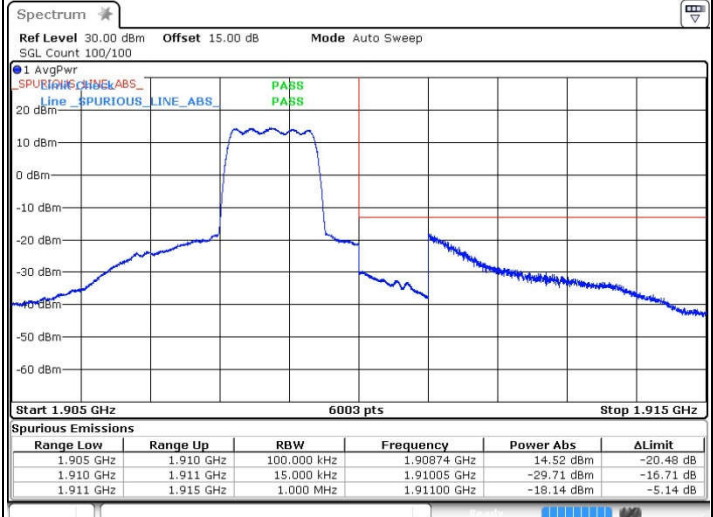


CDMA BC1 (RC1-SO55)

Lowest Band Edge

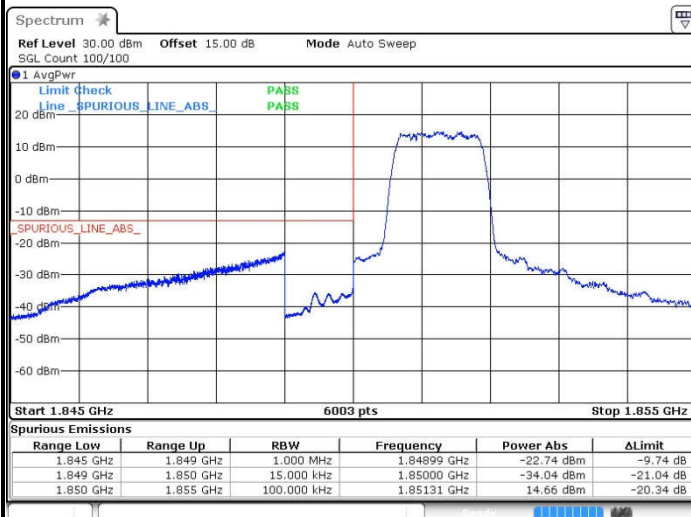


Highest Band Edge

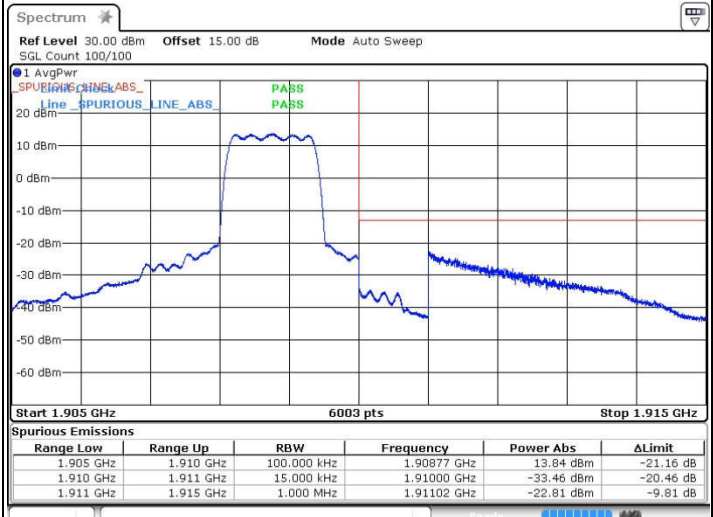


CDMA BC1 (RC3-SO32)

Lowest Band Edge



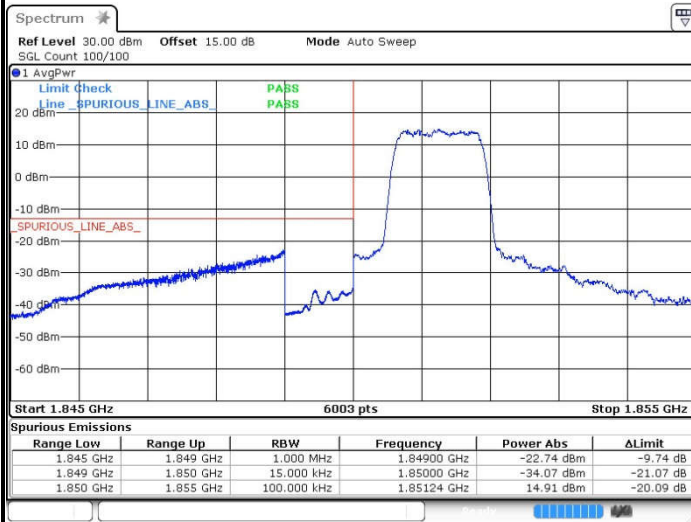
Highest Band Edge



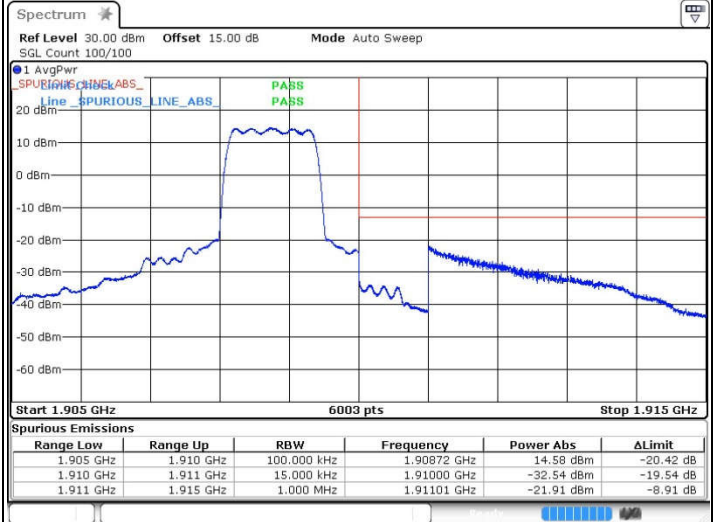


CDMA BC1 (RC3-SO55)

Lowest Band Edge



Highest Band Edge





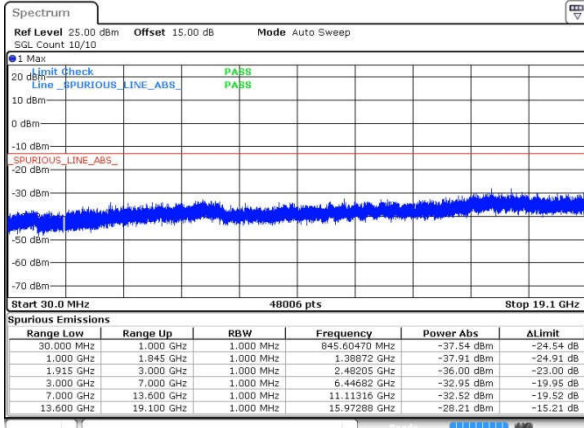
Conducted Spurious Emission





GSM1900 (GSM)

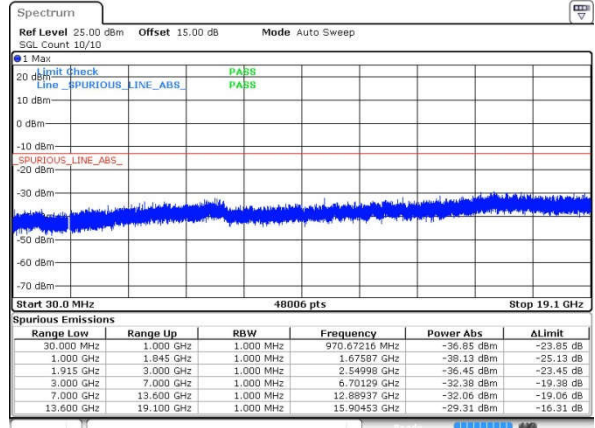
Lowest Channel



Date: 11.JAN.2017 21:43:59

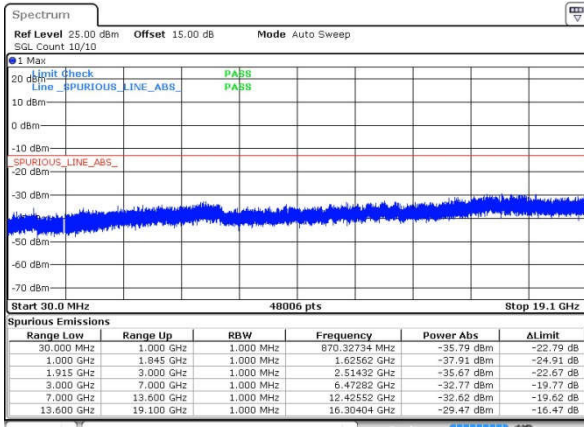
GSM1900 (EDGE class 8)

Lowest Channel

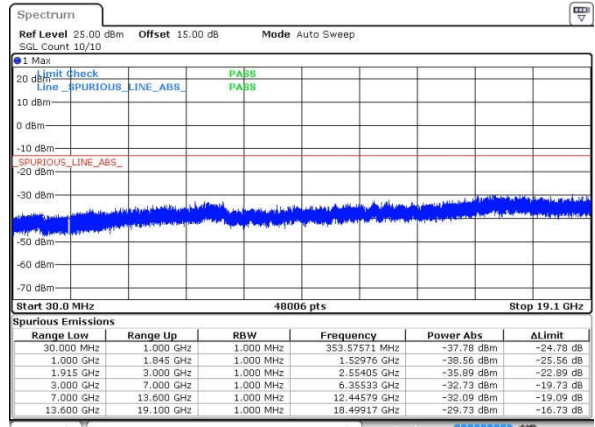


Date: 11.JAN.2017 21:59:35

Middle Channel

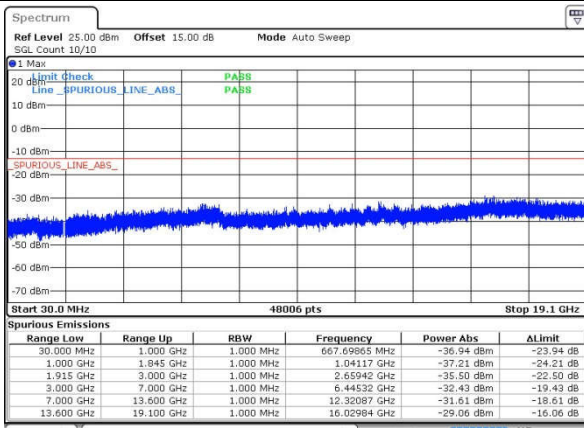


Date: 11.JAN.2017 21:45:22

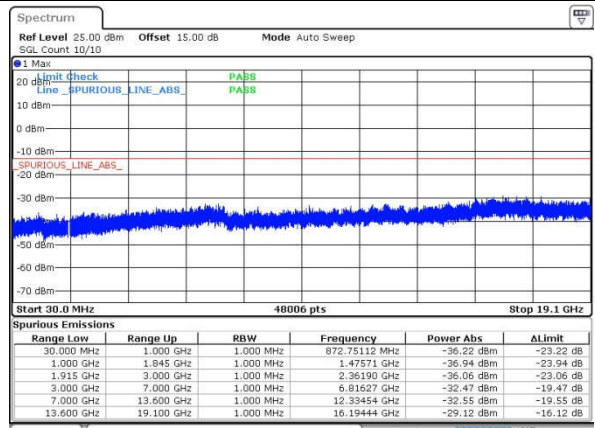


Date: 11.JAN.2017 22:01:00

Highest Channel



Date: 11.JAN.2017 21:46:46

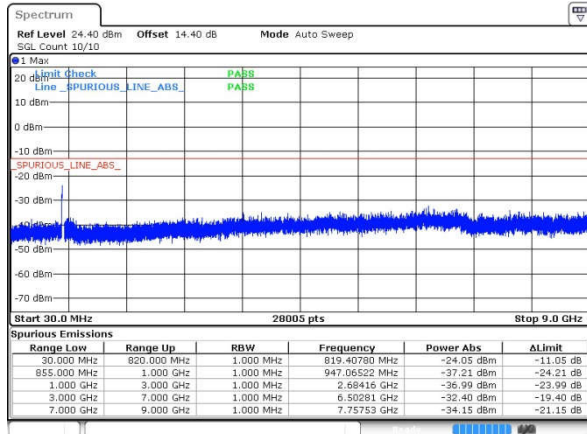


Date: 11.JAN.2017 22:02:24



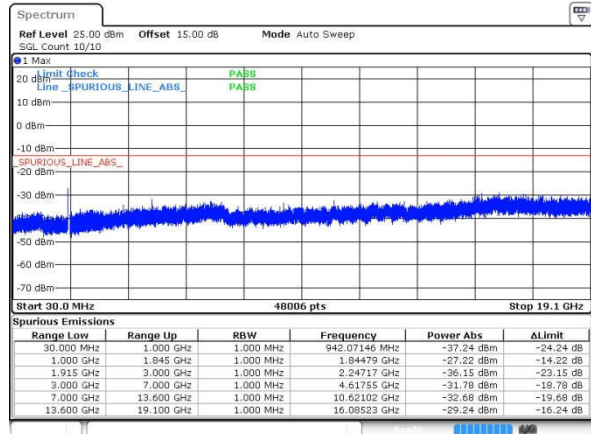
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

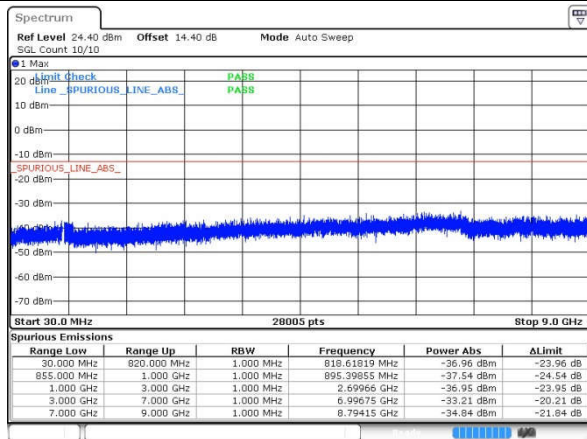


WCDMA Band II (RMC 12.2Kbps)

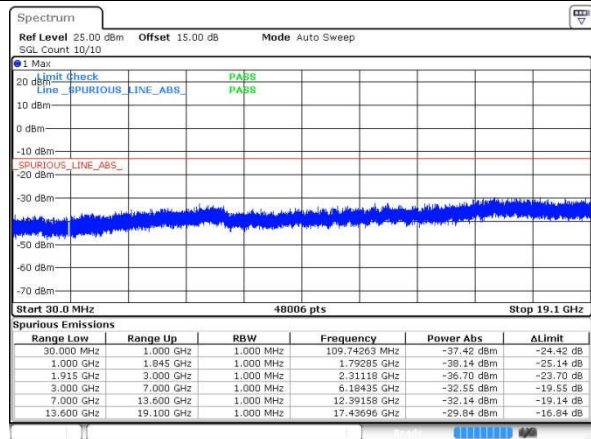
Lowest Channel



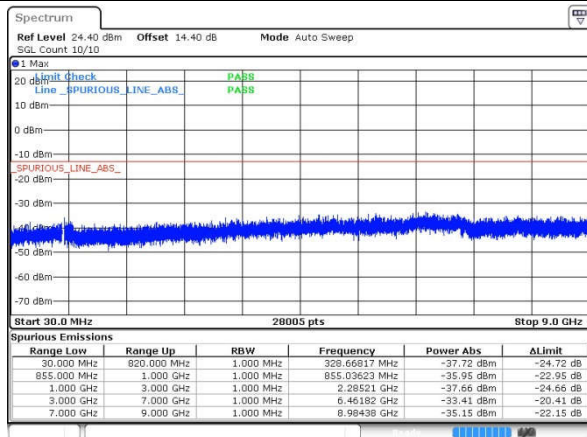
Middle Channel



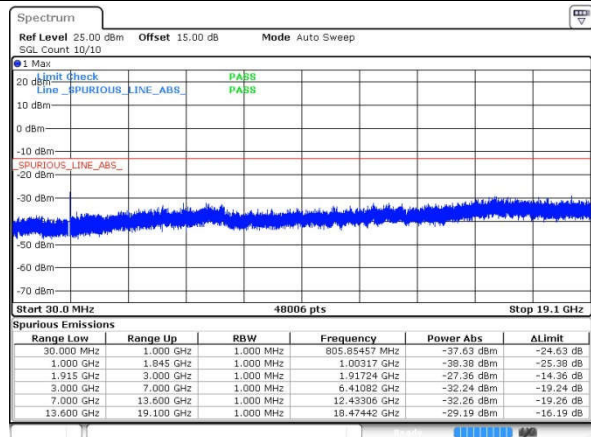
Middle Channel



Highest Channel



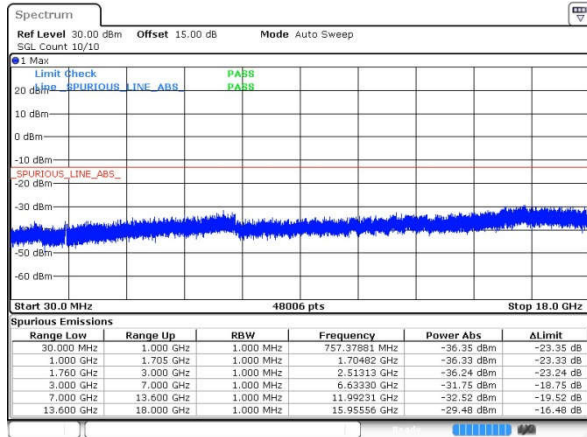
Highest Channel





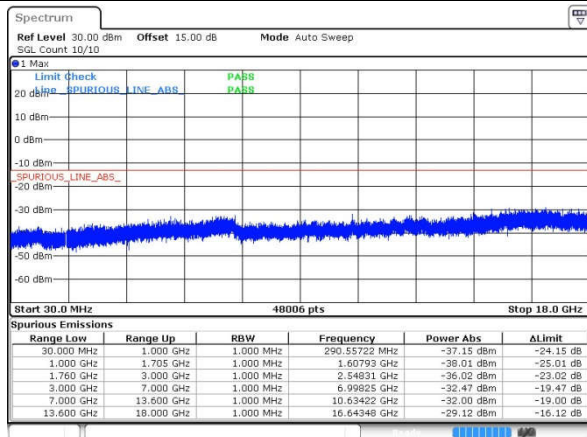
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



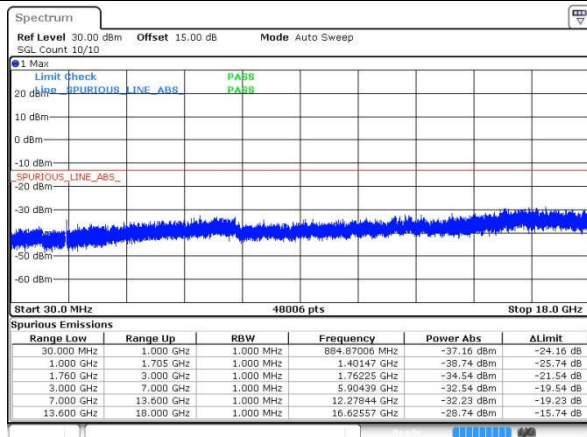
Date: 11.JAN.2017 23:29:49

Middle Channel



Date: 11.JAN.2017 23:18:56

Highest Channel

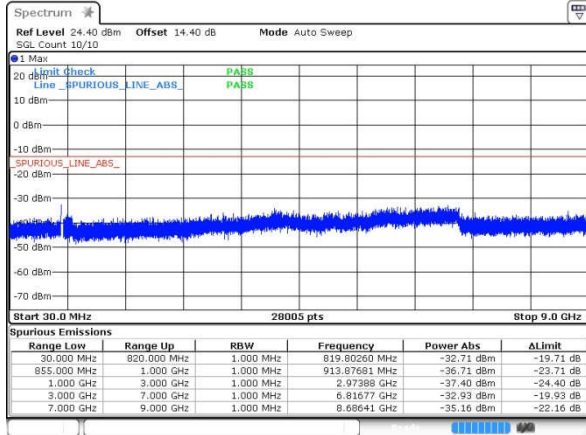


Date: 11.JAN.2017 23:20:39



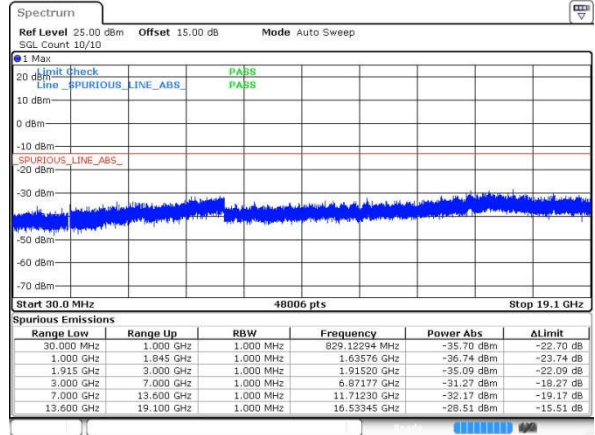
CDMA BC0 (1xRTT)

Lowest Channel

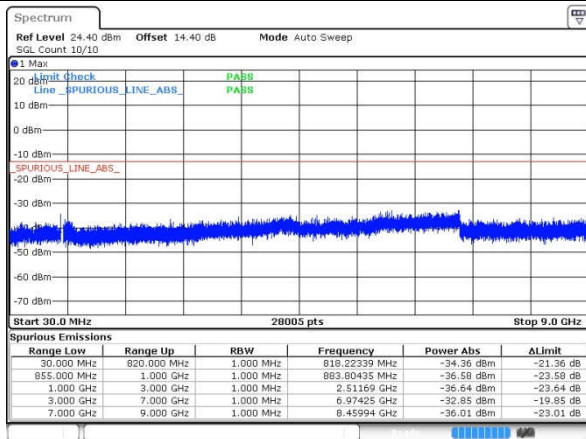


CDMA BC1 (1xRTT)

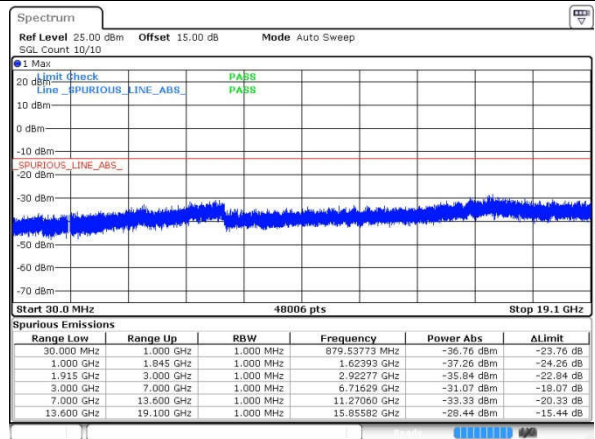
Lowest Channel



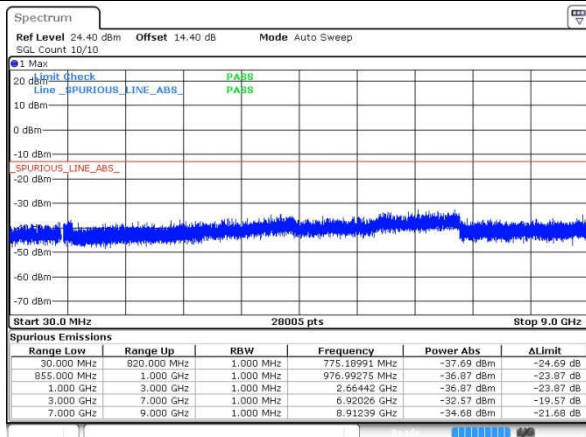
Middle Channel



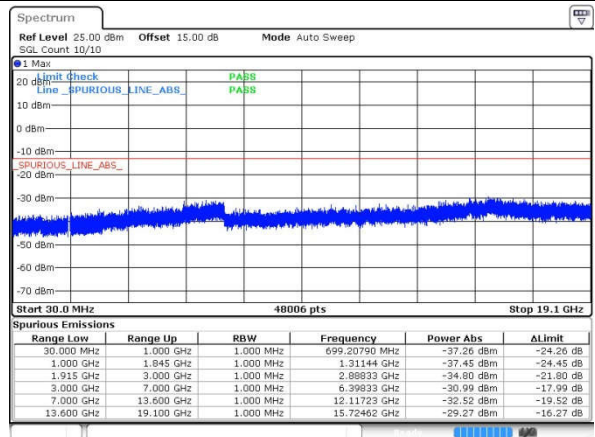
Middle Channel



Highest Channel



Highest Channel





Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0060	0.0143	PASS
40	Normal Voltage	0.0036	0.0275	
30	Normal Voltage	0.0323	0.0096	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0275	0.0347	
0	Normal Voltage	0.0120	0.0072	
-10	Normal Voltage	0.0311	0.0395	
-20	Normal Voltage	0.0096	0.0024	
-30	Normal Voltage	0.0371	0.0036	
20	Maximum Voltage	0.0048	0.0335	
20	Normal Voltage	0.0335	0.0048	
20	Battery End Point	0.0299	0.0191	

Note: Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0032	0.0144	PASS
40	Normal Voltage	0.0005	0.0149	
30	Normal Voltage	0.0186	0.0053	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0032	0.0133	
0	Normal Voltage	0.0027	0.0053	
-10	Normal Voltage	0.0138	0.0176	
-20	Normal Voltage	0.0021	0.0005	
-30	Normal Voltage	0.0106	0.0154	
20	Maximum Voltage	0.0154	0.0037	
20	Normal Voltage	0.0005	0.0165	
20	Battery End Point	0.0122	0.0027	

Note:

1. Normal Voltage = 3.7 V. ; 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 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0490	PASS
40	Normal Voltage	0.0514	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0407	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0418	
-20	Normal Voltage	0.0108	
-30	Normal Voltage	0.0347	
20	Maximum Voltage	0.0120	
20	Normal Voltage	0.0287	
20	Battery End Point	0.0299	

Note: Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 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	0.0064	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0128	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0117	
0	Normal Voltage	0.0122	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0202	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0085	
20	Battery End Point	0.0101	

Note:

1. Normal Voltage = 3.7V. ; 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 IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0214	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0202	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0150	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0127	

Note:

1. Normal Voltage = 3.7 V. ; 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.



Test Conditions	Middle Channel	CDMA BC0 (1xRTT)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0239	PASS
40	Normal Voltage	0.0263	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0275	
-10	Normal Voltage	0.0299	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0084	
20	Maximum Voltage	0.0275	
20	Normal Voltage	0.0347	
20	Battery End Point	0.0072	

Note: Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 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	0.0154	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0133	
20	Normal Voltage	0.0053	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

**Radiated Spurious Emission**

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)
Middle	1672	-54.33	-13	-41.33	-58.53	-56.65	1.33	5.80	H
	2508	-52.04	-13	-39.04	-61.39	-55.21	1.58	6.90	H
	3345	-67.79	-13	-54.79	-77.00	-71.29	1.85	7.50	H
	1672	-54.36	-13	-41.36	-58.34	-56.68	1.33	5.80	V
	2508	-44.92	-13	-31.92	-55.89	-48.09	1.58	6.90	V
	3345	-68.61	-13	-55.61	-77.63	-72.11	1.85	7.50	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	-55.74	-13	-42.74	-59.65	-58.06	1.33	5.80	H
	2509	-61.96	-13	-48.96	-71.31	-65.13	1.58	6.90	H
	3345	-67.72	-13	-54.72	-76.93	-71.22	1.85	7.50	H
	1672	-61.19	-13	-48.19	-63.06	-63.51	1.33	5.80	V
	2508	-59.38	-13	-46.38	-67.35	-62.55	1.58	6.90	V
	3345	-68.31	-13	-55.31	-77.33	-71.81	1.85	7.50	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)
Middle	3759	-50.91	-13	-37.91	-65.15	-52.62	5.08	6.80	H
	5640	-47.33	-13	-34.33	-64.13	-49.00	8.03	9.70	H
	7521	-53.07	-13	-40.07	-74.37	-55.45	9.43	11.81	H
	3759	-56.24	-13	-43.24	-68.67	-57.95	5.08	6.80	V
	5640	-51.82	-13	-38.82	-68.91	-53.49	8.03	9.70	V
	7521	-54.82	-13	-41.82	-75.96	-57.20	9.43	11.81	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	3759	-58.79	-13	-45.79	-73.03	-60.50	5.08	6.80	H
	5640	-51.94	-13	-38.94	-68.74	-53.61	8.03	9.70	H
	7521	-55.87	-13	-42.87	-77.17	-58.25	9.43	11.81	H
	3759	-61.05	-13	-48.05	-73.48	-62.76	5.08	6.80	V
	5640	-54.33	-13	-41.33	-71.42	-56.00	8.03	9.70	V
	7521	-55.73	-13	-42.73	-76.87	-58.11	9.43	11.81	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	1674	-59.93	-13	-46.93	-62.53	-62.25	1.33	5.80	H
	2512	-61.25	-13	-48.25	-70.60	-64.42	1.58	6.90	H
	3345	-67.29	-13	-54.29	-76.50	-70.79	1.85	7.50	H
	1674	-60.66	-13	-47.66	-62.53	-62.98	1.33	5.80	V
	2509	-63.49	-13	-50.49	-71.46	-66.66	1.58	6.90	V
	3345	-68.58	-13	-55.58	-77.60	-72.08	1.85	7.50	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	3759	-49.11	-13	-36.11	-63.35	-50.82	5.08	6.80	H
	5643	-55.07	-13	-42.07	-71.87	-56.74	8.03	9.70	H
	7521	-55.26	-13	-42.26	-76.56	-57.64	9.43	11.81	H
	3759	-51.91	-13	-38.91	-64.34	-53.62	5.08	6.80	V
	5640	-58.91	-13	-45.91	-76	-60.58	8.03	9.70	V
	7521	-55.60	-13	-42.60	-76.74	-57.98	9.43	11.81	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)
Middle	3462	-62.20	-13	-49.20	-71.10	-66.17	4.87	8.84	H
	5196	-61.30	-13	-48.30	-72.23	-62.74	7.70	9.14	H
	6930	-58.40	-13	-45.40	-76.87	-60.08	8.98	10.66	H
	3468	-57.49	-13	-44.49	-69.11	-61.46	4.87	8.84	V
	5196	-59.63	-13	-46.63	-73.68	-61.07	7.70	9.14	V
	6930	-58.54	-13	-45.54	-76.56	-60.22	8.98	10.66	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)
Middle	1672	-53.98	-13	-40.98	-58.23	-56.30	1.33	5.80	H
	2508	-55.73	-13	-42.73	-65.08	-58.90	1.58	6.90	H
	3345	-66.81	-13	-53.81	-76.02	-70.31	1.85	7.50	H
	1672	-55.16	-13	-42.16	-59.00	-57.48	1.33	5.80	V
	2510	-60.57	-13	-47.57	-68.54	-63.74	1.58	6.90	V
	3345	-66.86	-13	-53.86	-75.88	-70.36	1.85	7.50	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)
Middle	3759	-40.84	-13	-27.84	-55.83	-42.56	5.08	6.80	H
	5640	-45.77	-13	-32.77	-62.57	-47.44	8.03	9.70	H
	7521	-54.27	-13	-41.27	-75.57	-56.65	9.43	11.81	H
	3759	-42.02	-13	-29.02	-56.59	-43.74	5.08	6.80	V
	5640	-48.33	-13	-35.33	-65.42	-50.00	8.03	9.70	V
	7521	-53.26	-13	-40.26	-74.4	-55.64	9.43	11.81	V

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