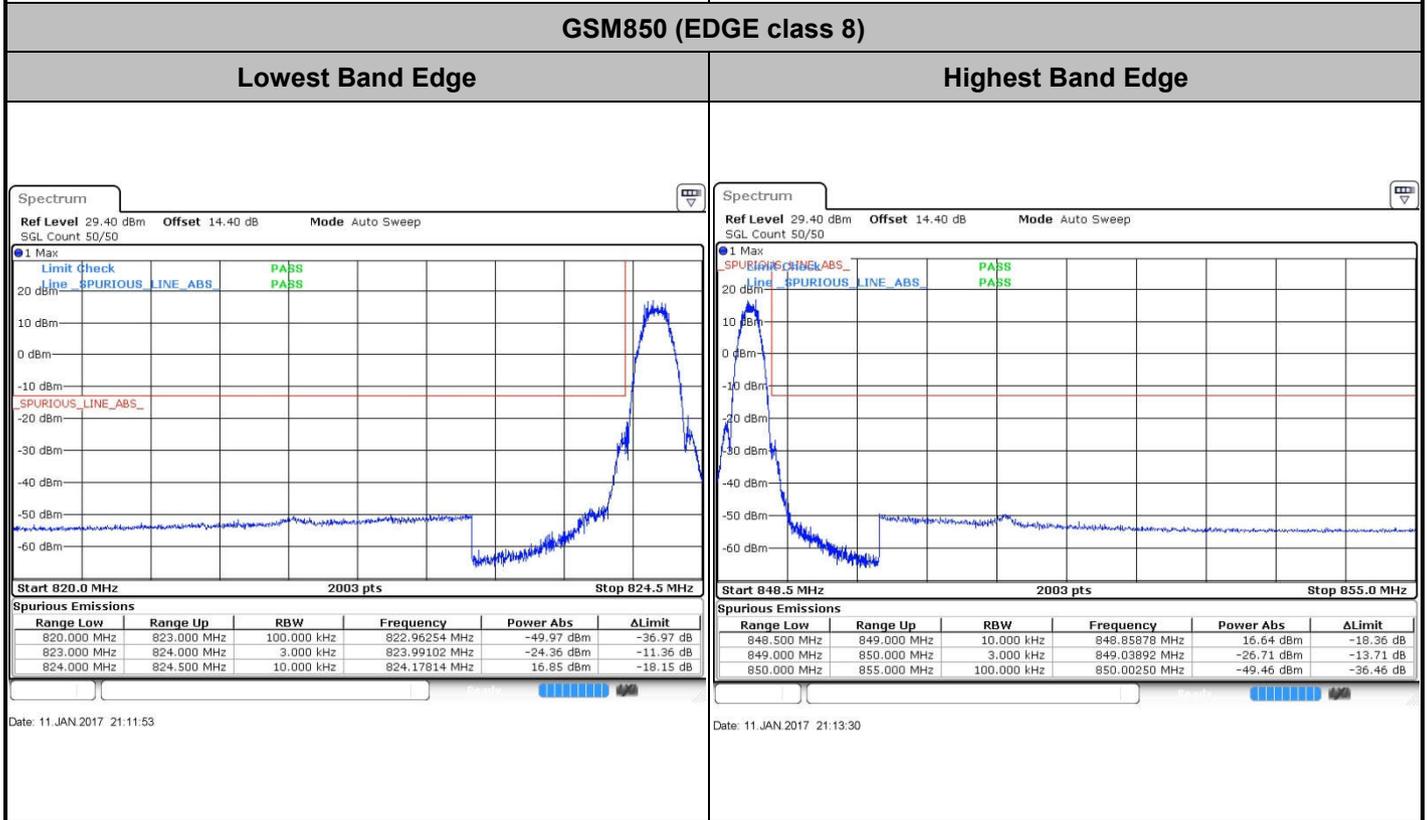
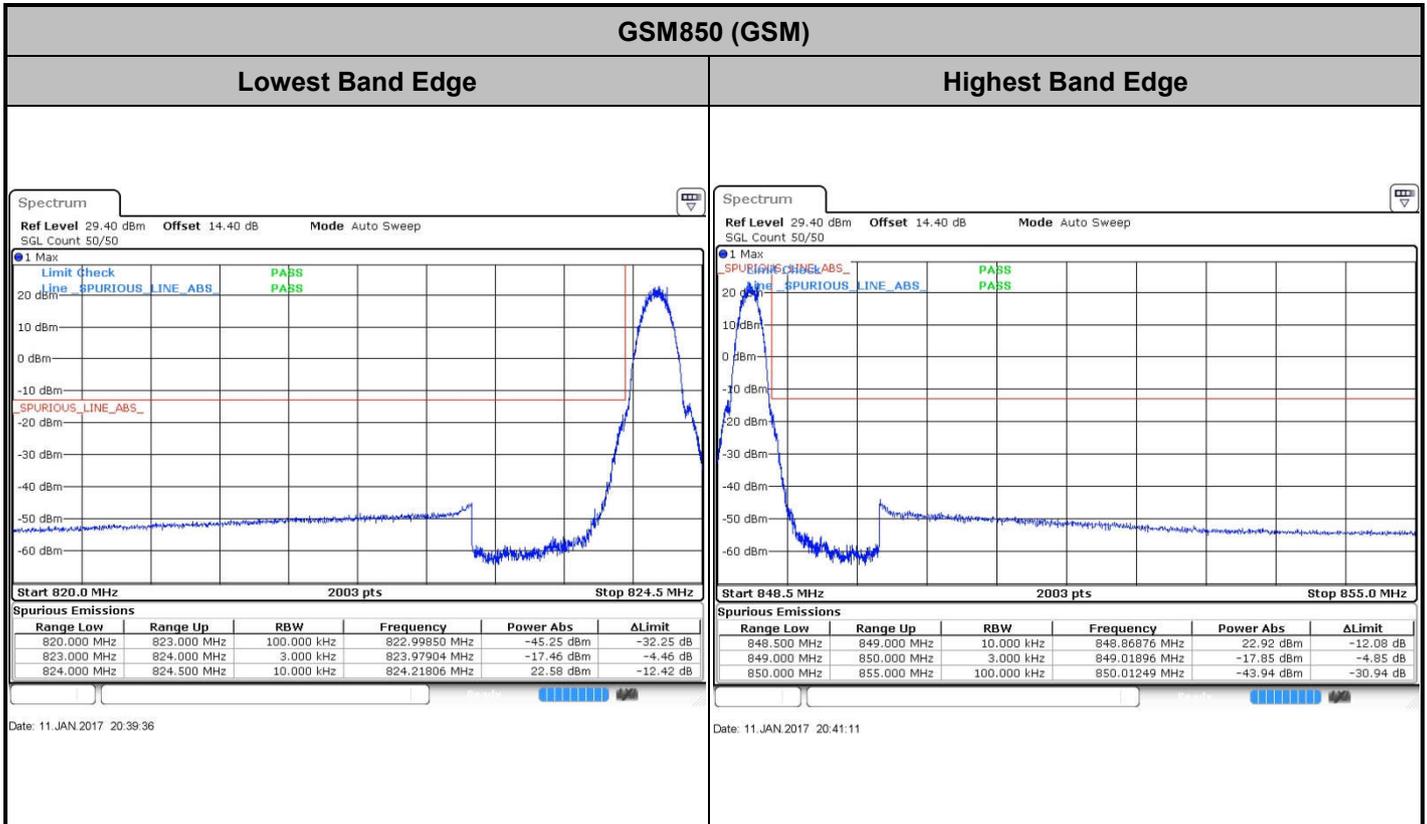




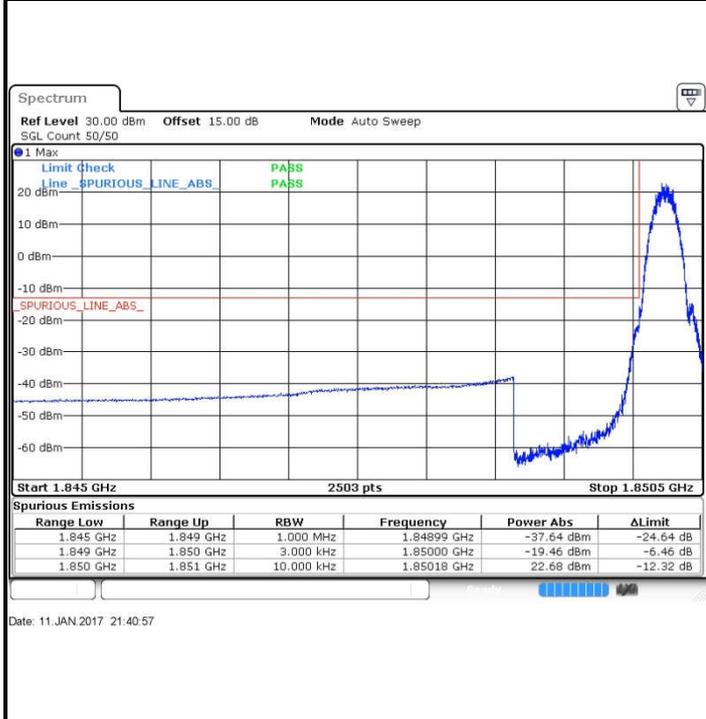
# Conducted Band Edge



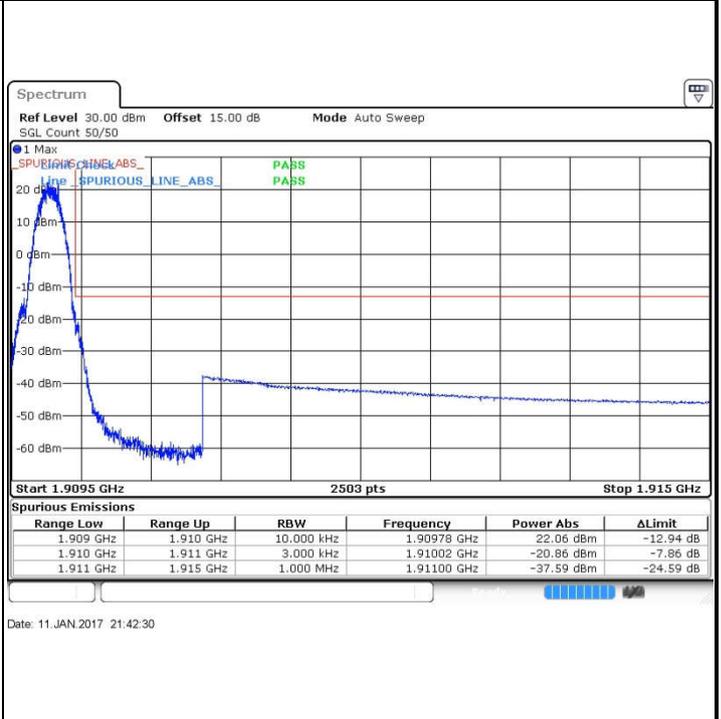


GSM1900 (GSM)

Lowest Band Edge

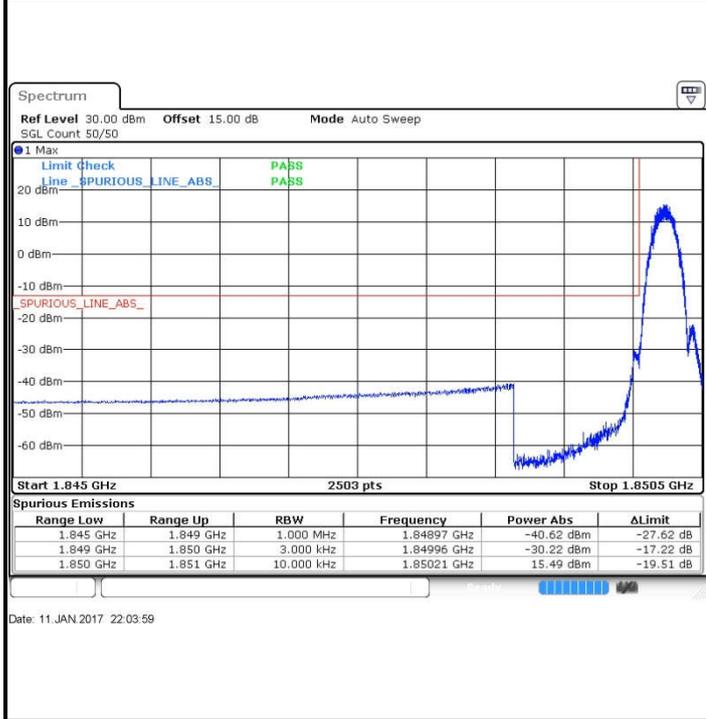


Highest Band Edge

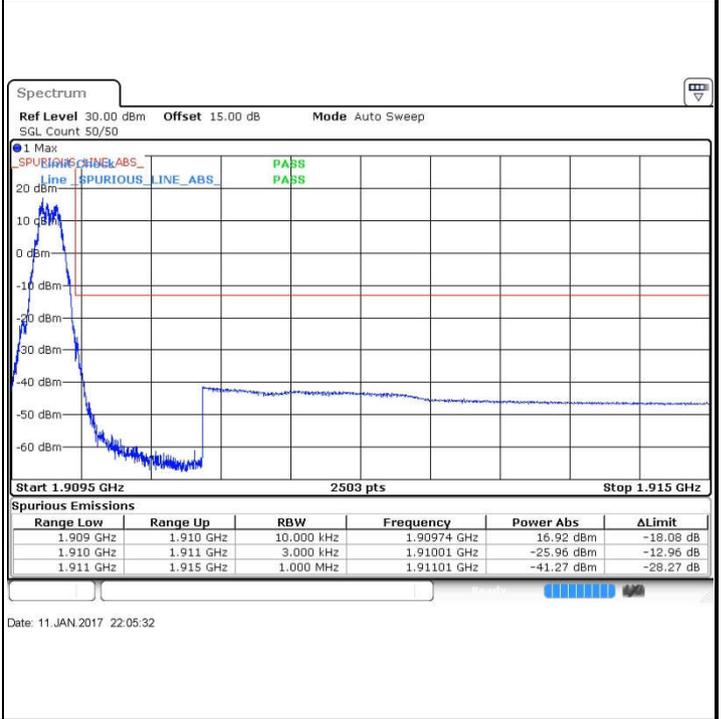


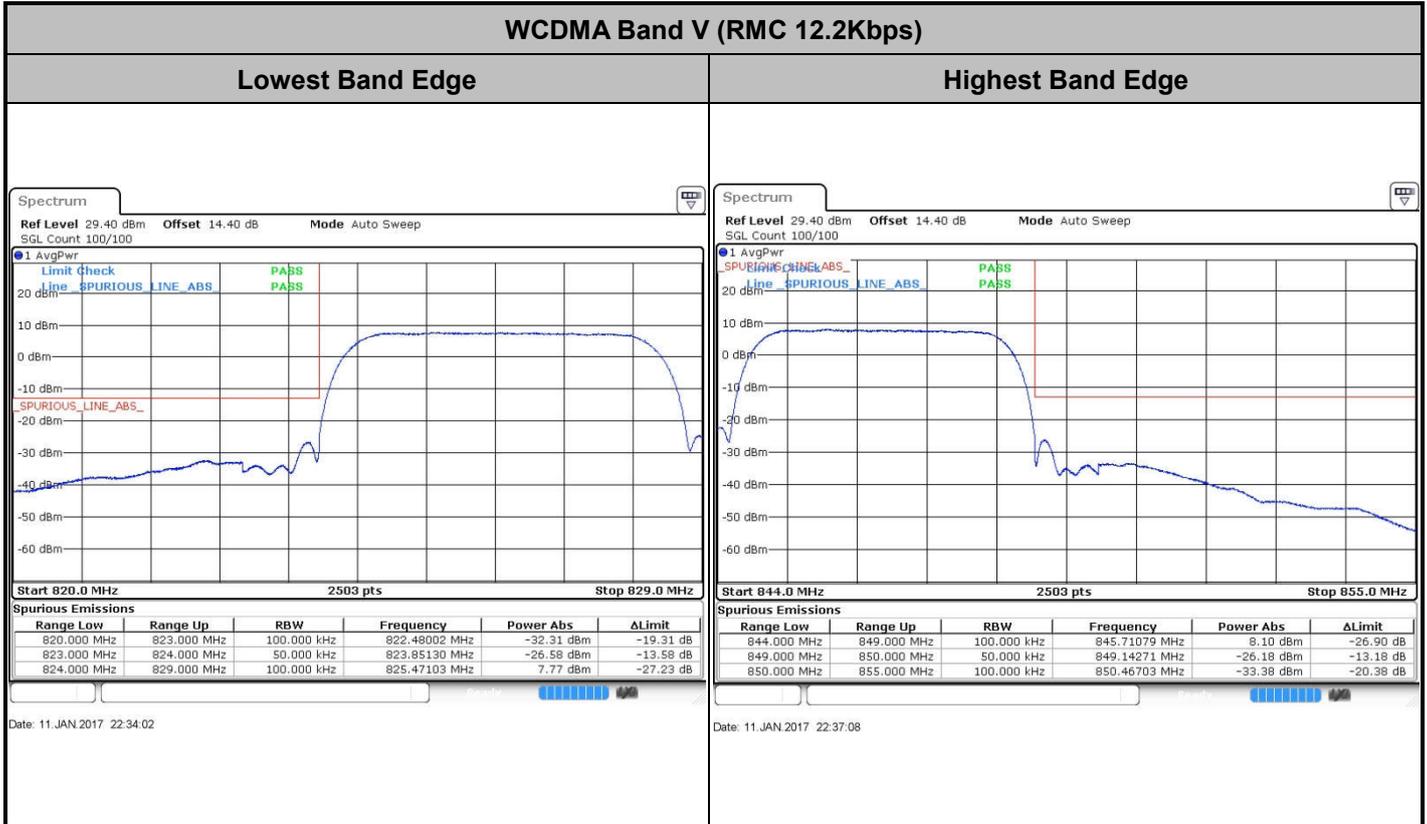
GSM1900 (EDGE class 8)

Lowest Band Edge



Highest Band Edge







WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 11 JAN 2017 22:55:16



Date: 11 JAN 2017 22:58:12

WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

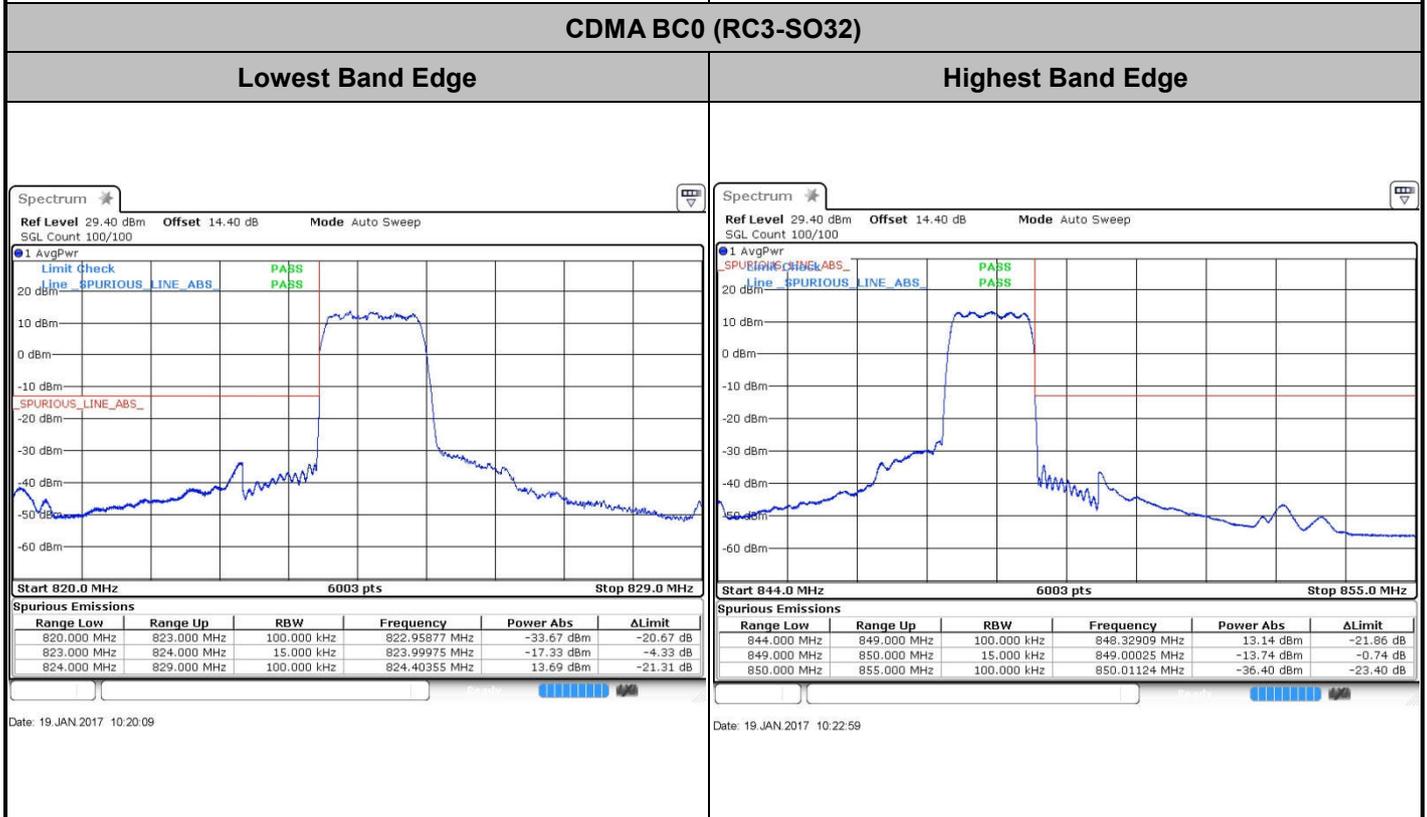
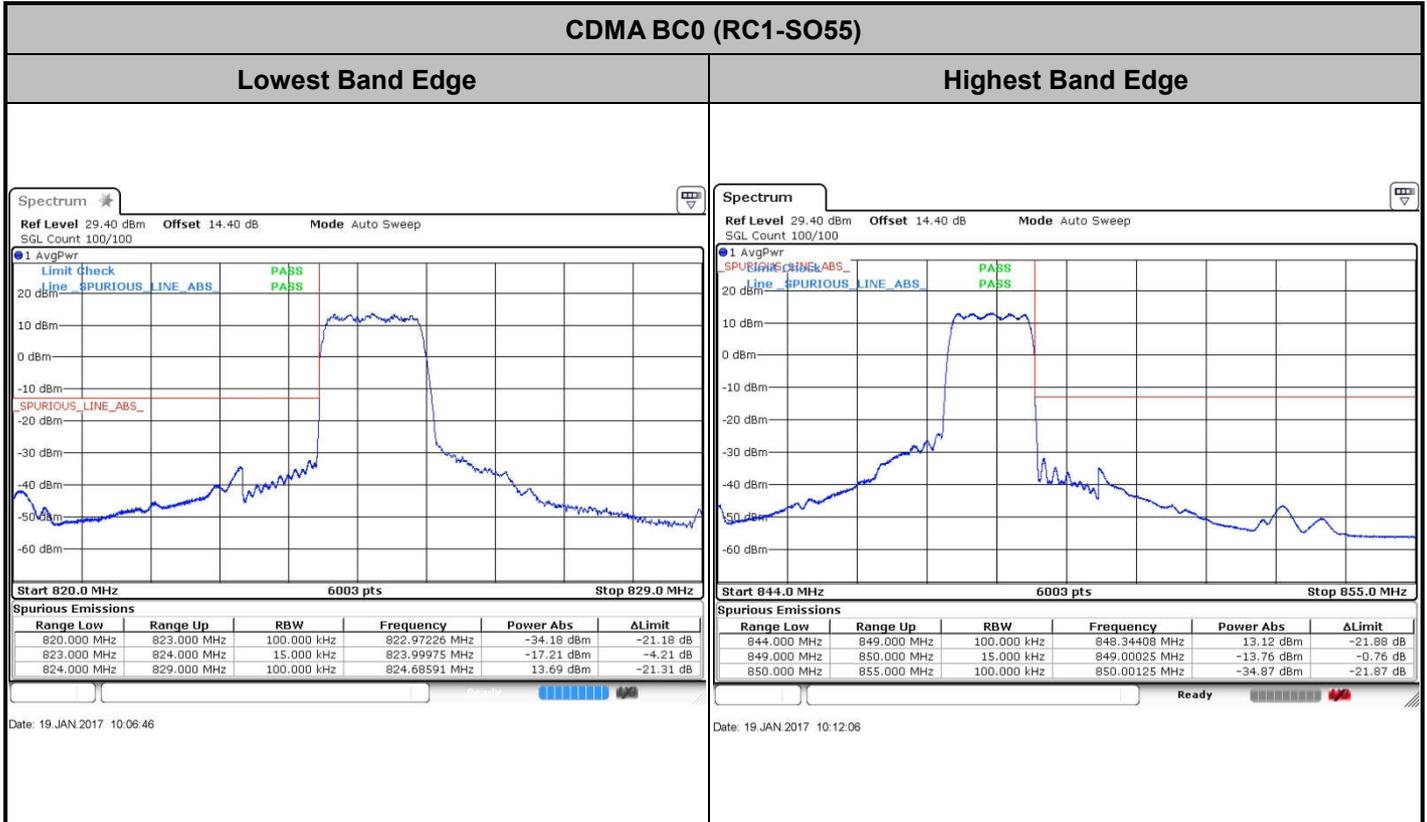
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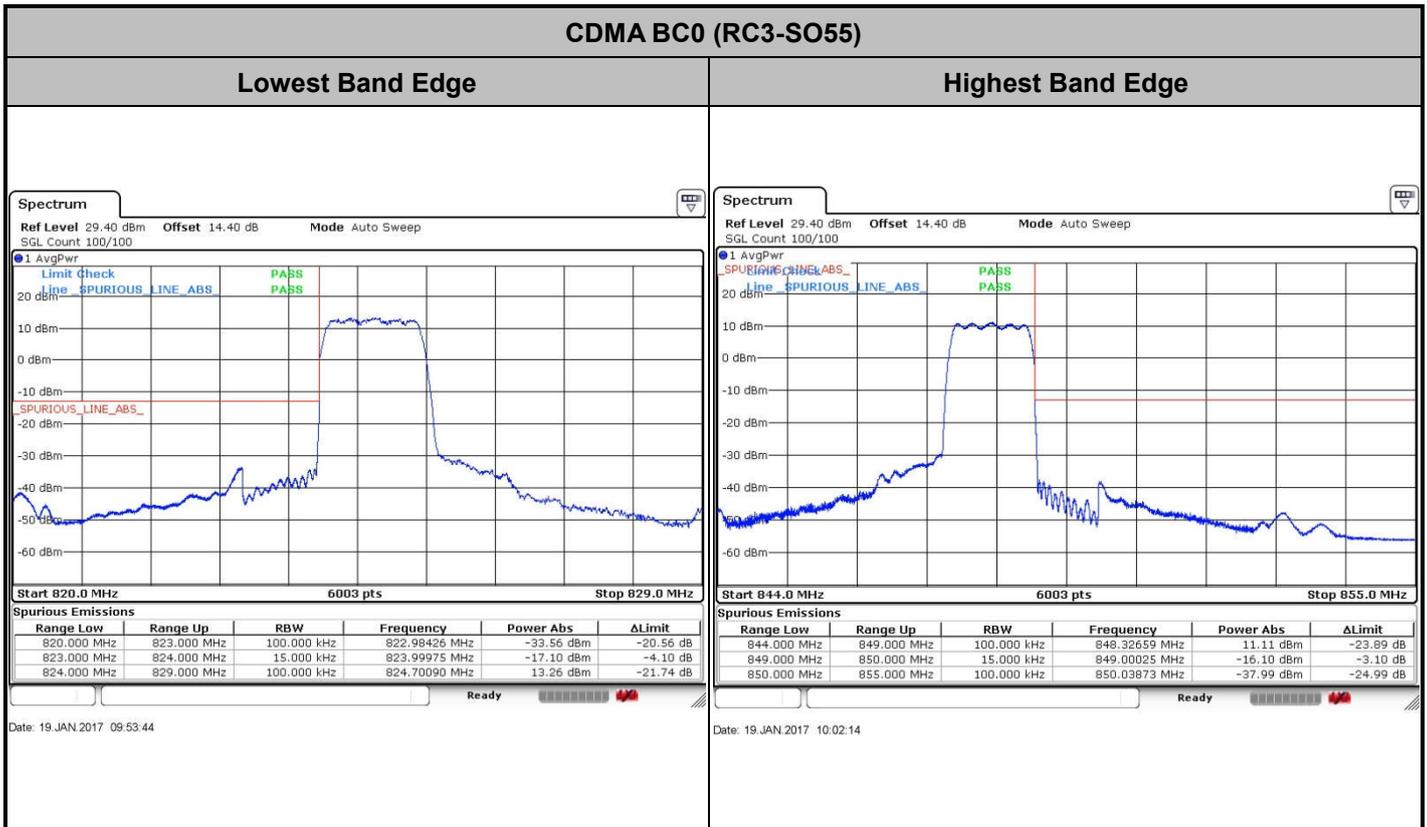


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Date: 11 JAN 2017 23:26:21

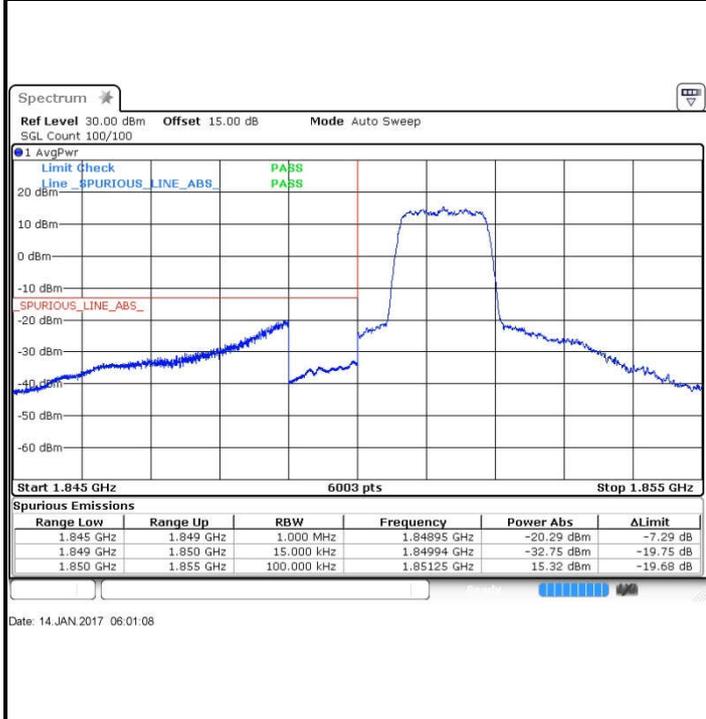




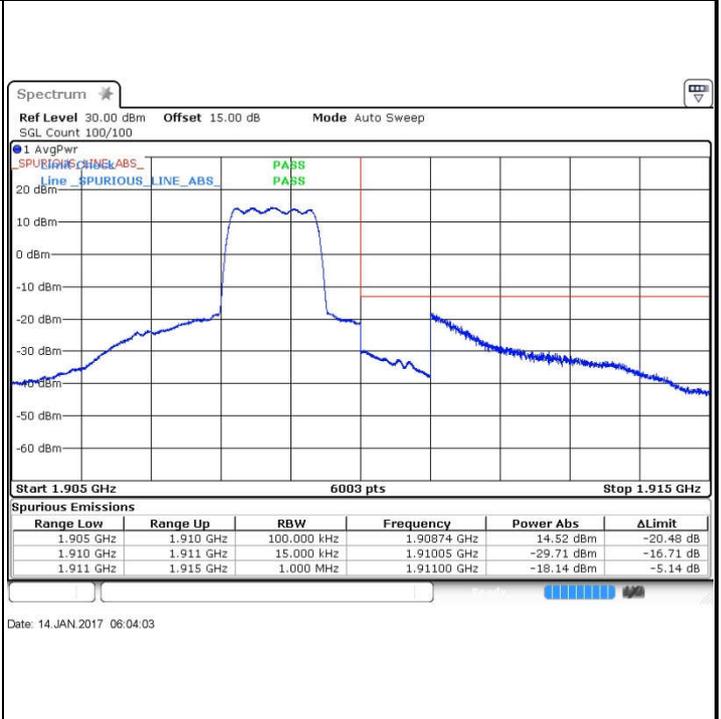


**CDMA BC1 (RC1-SO55)**

**Lowest Band Edge**

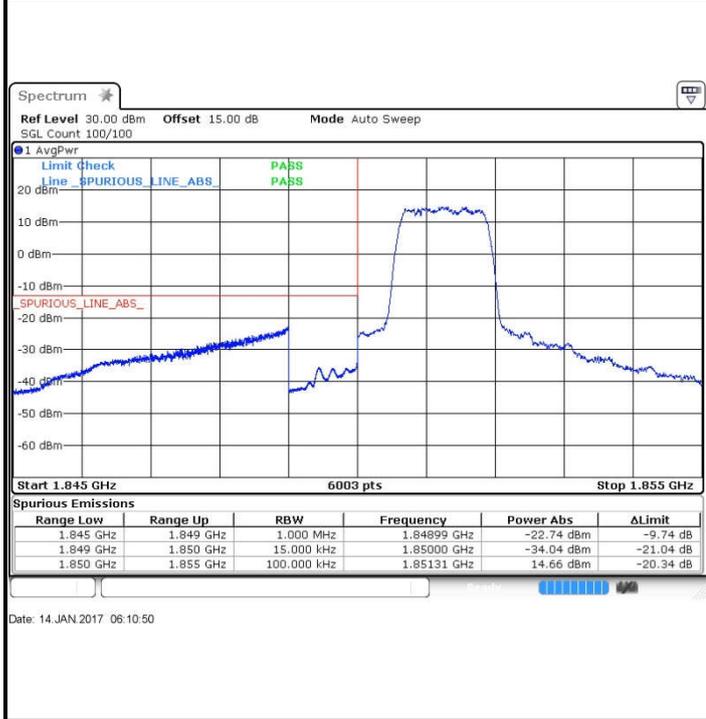


**Highest Band Edge**

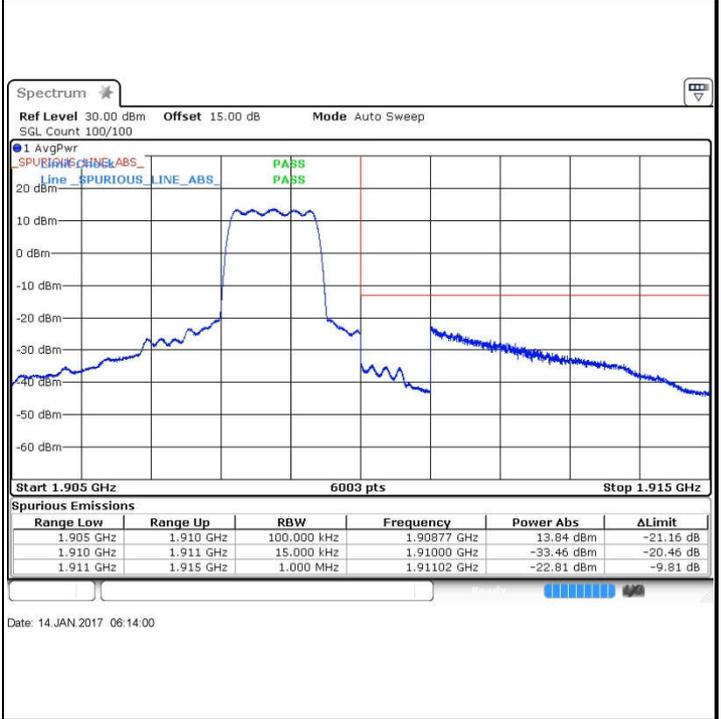


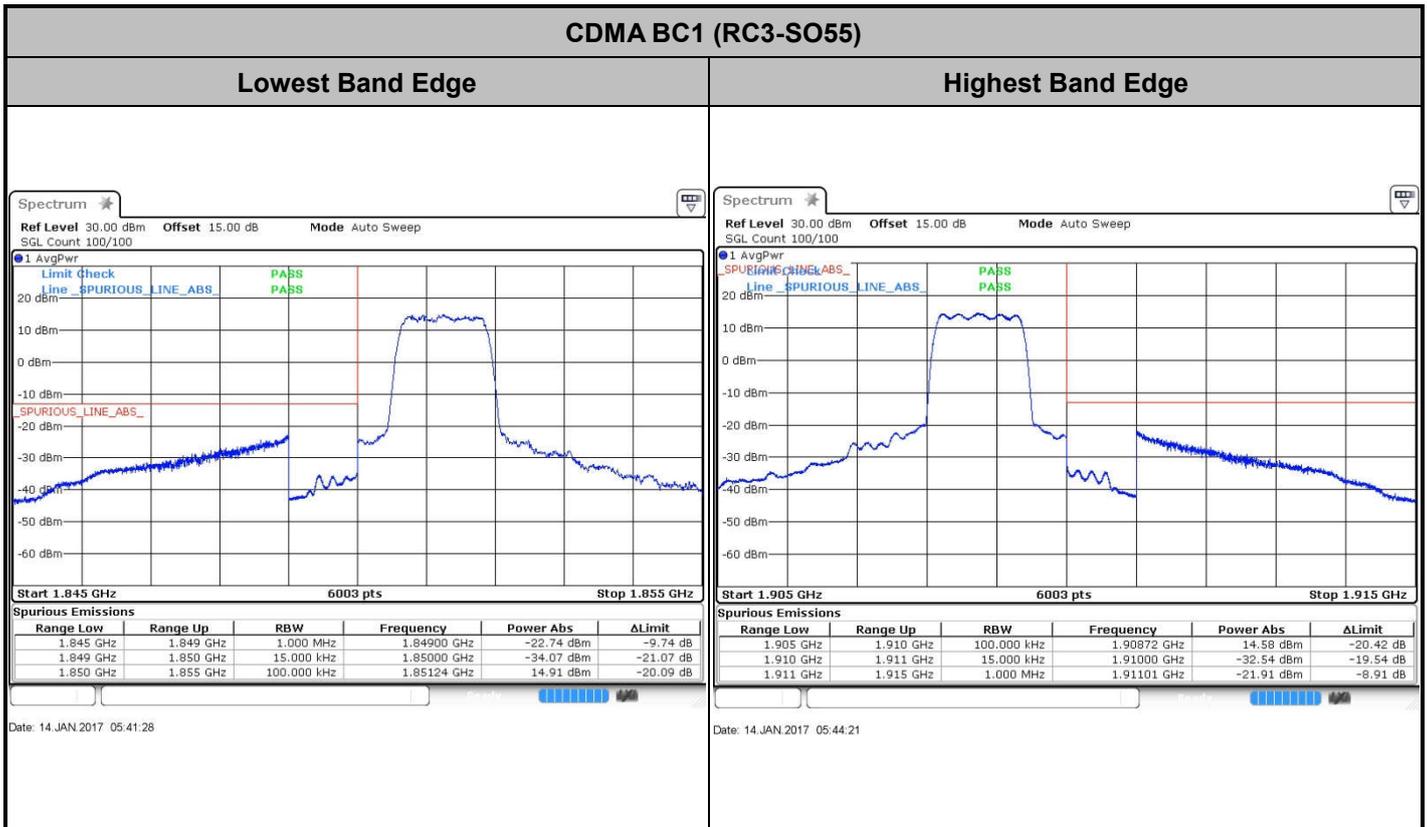
**CDMA BC1 (RC3-SO32)**

**Lowest Band Edge**



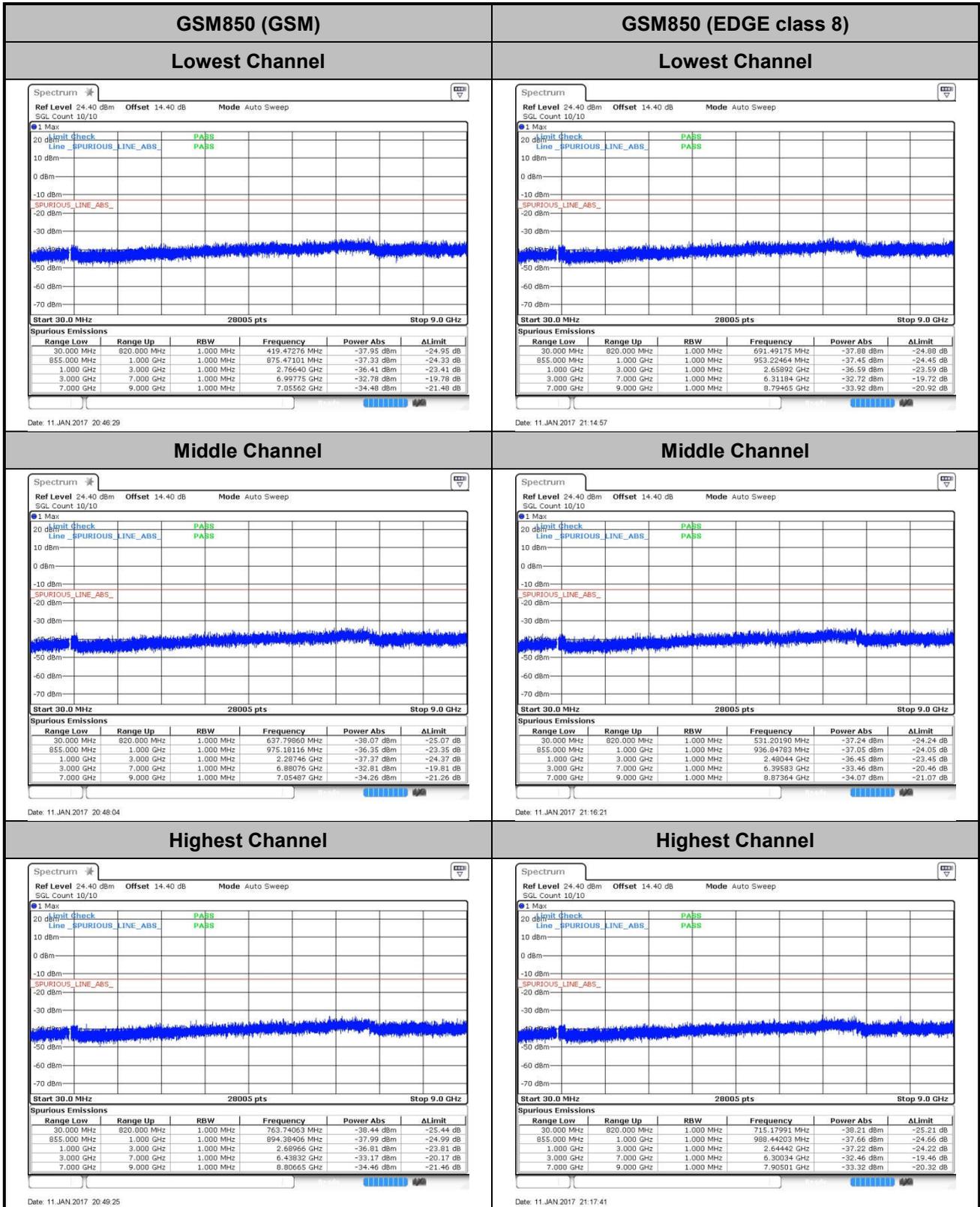
**Highest Band Edge**







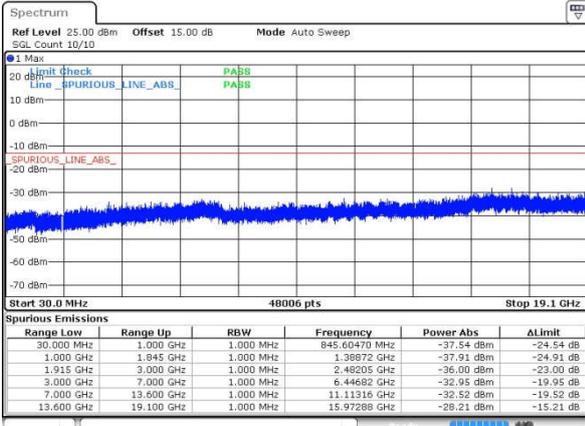
# Conducted Spurious Emission





GSM1900 (GSM)

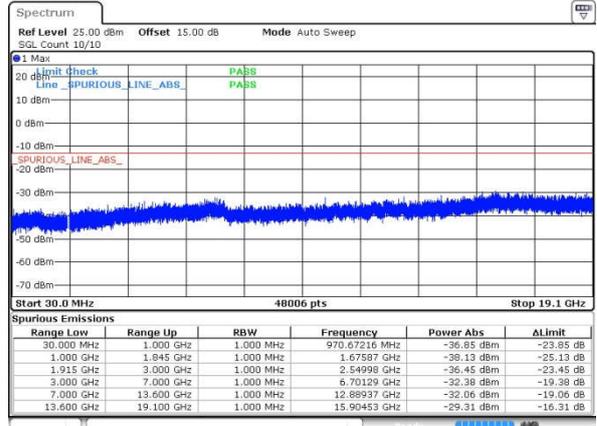
Lowest Channel



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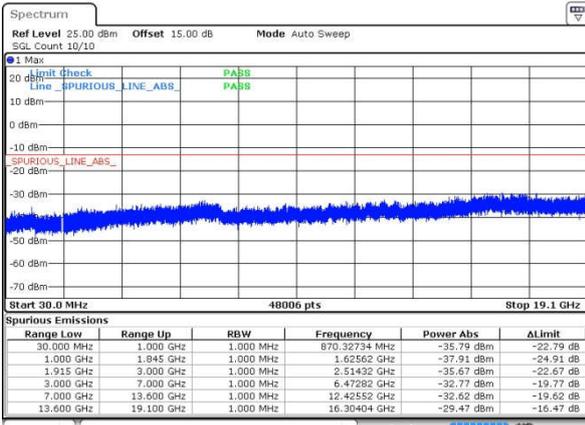
GSM1900 (EDGE class 8)

Lowest Channel



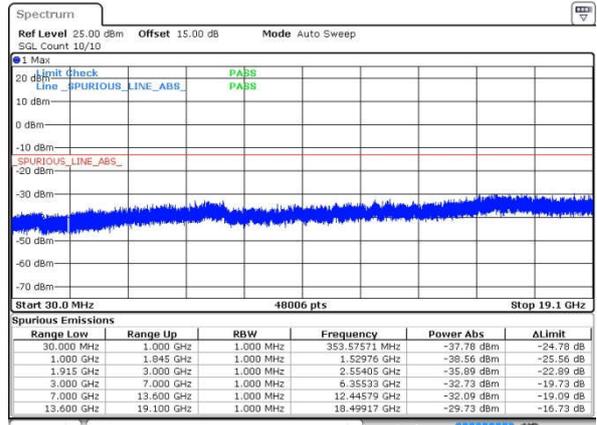
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Middle Channel



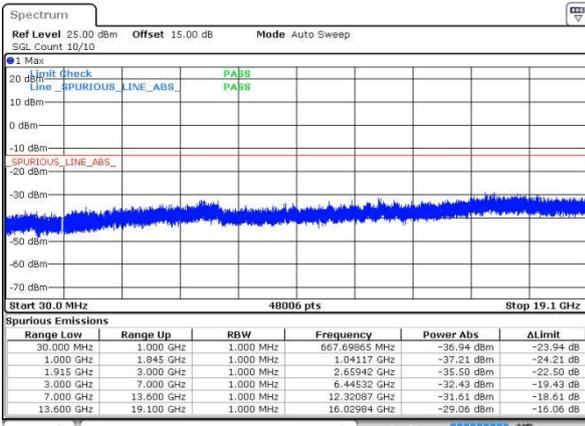
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Middle Channel



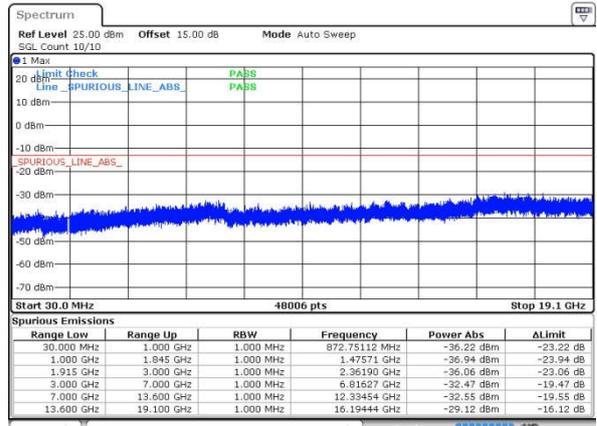
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Highest Channel



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

Highest Channel

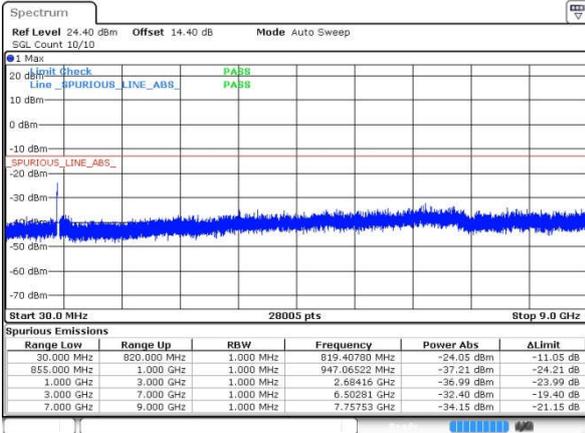


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WCDMA Band V (RMC 12.2Kbps)

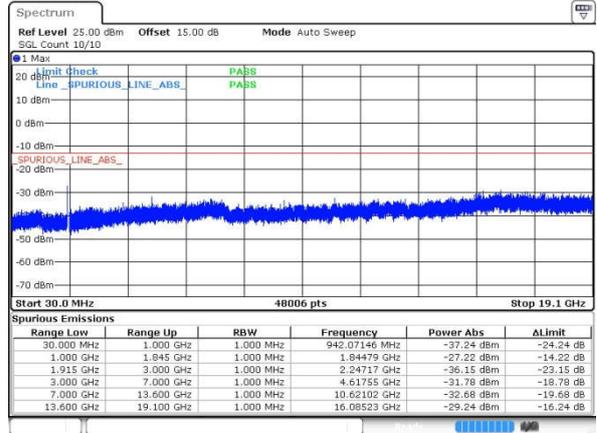
Lowest Channel



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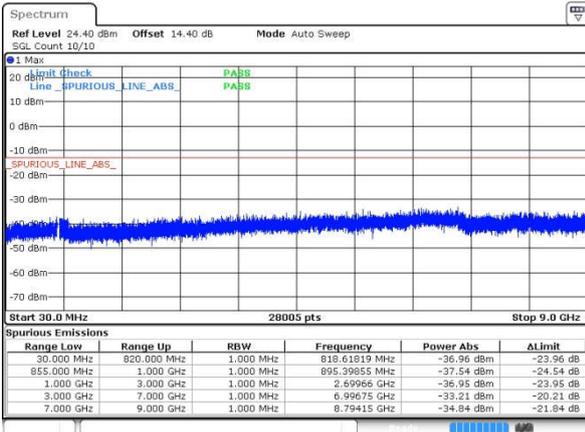
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



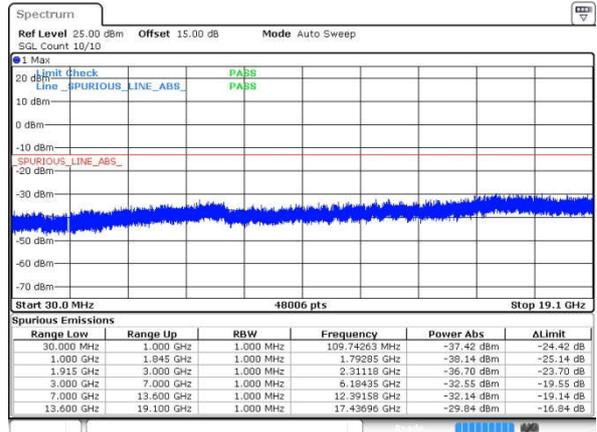
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Middle Channel



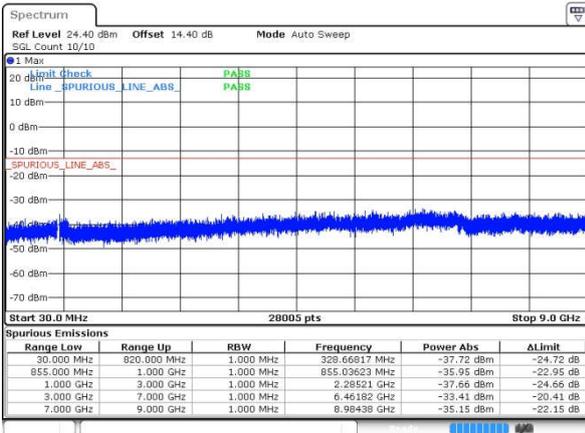
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Middle Channel



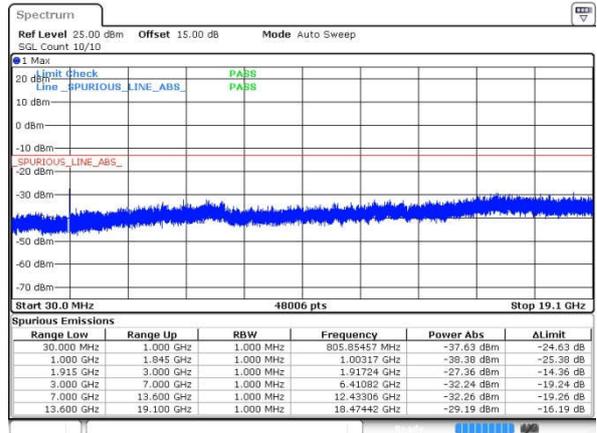
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Highest Channel



Date: 11.JAN.2017 22:31:01

Highest Channel

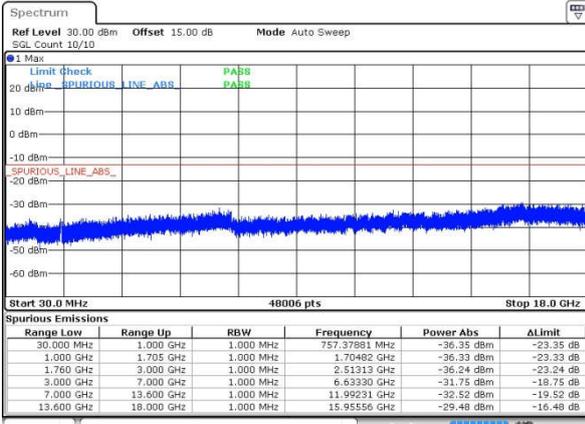


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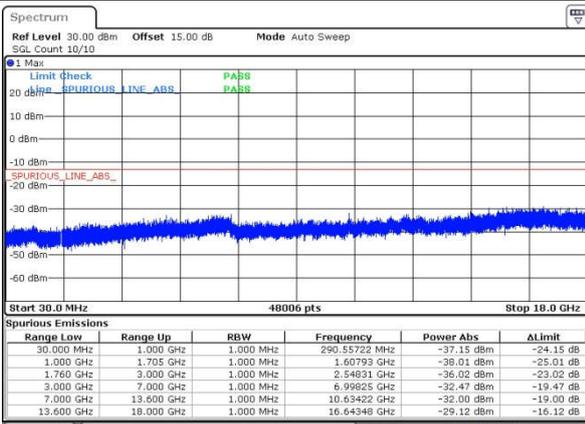
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



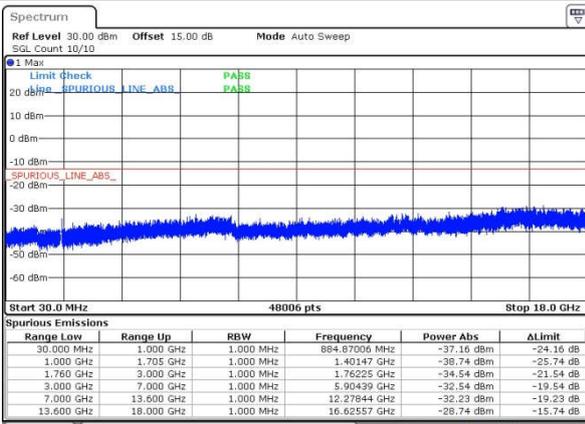
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Middle Channel



Date: 11 JAN 2017 23 18 56

Highest Channel

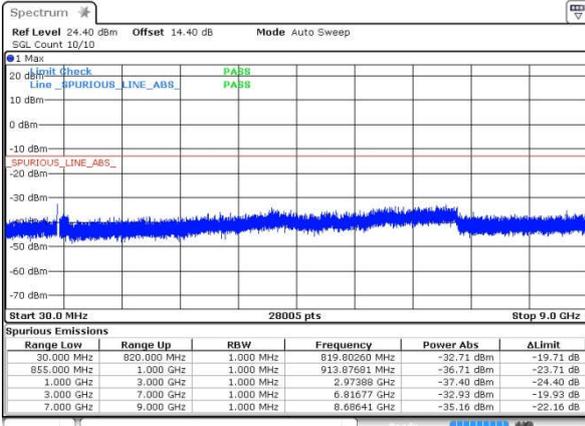


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CDMA BC0 (1xRTT)

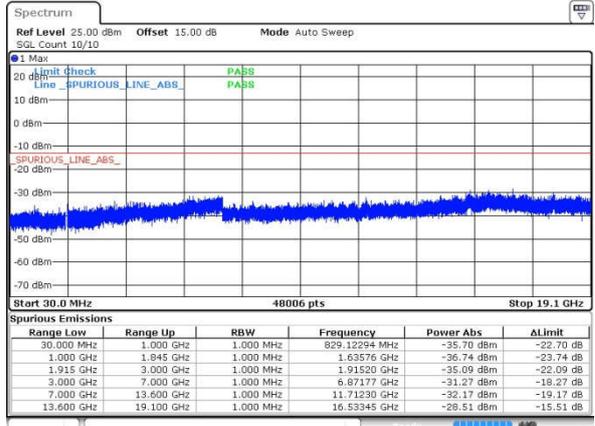
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Date: 19 JAN 2017 12:54:02

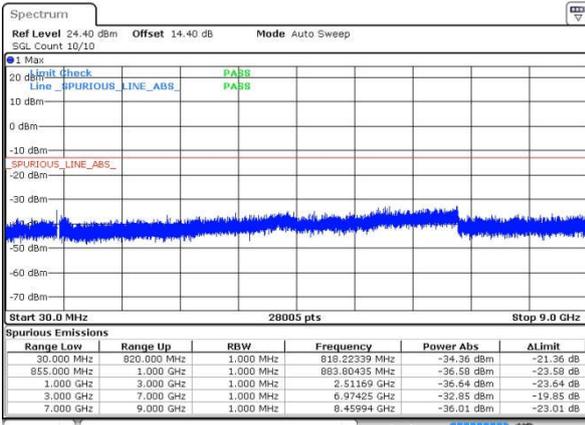
CDMA BC1 (1xRTT)

Lowest Channel



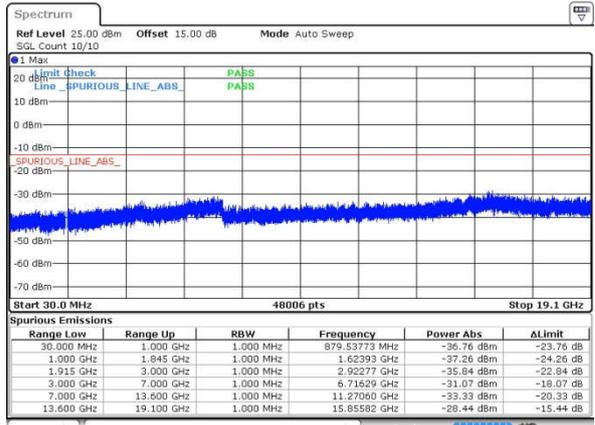
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Middle Channel



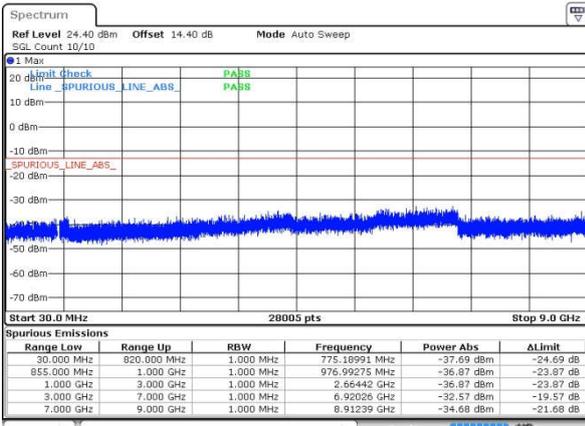
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Middle Channel



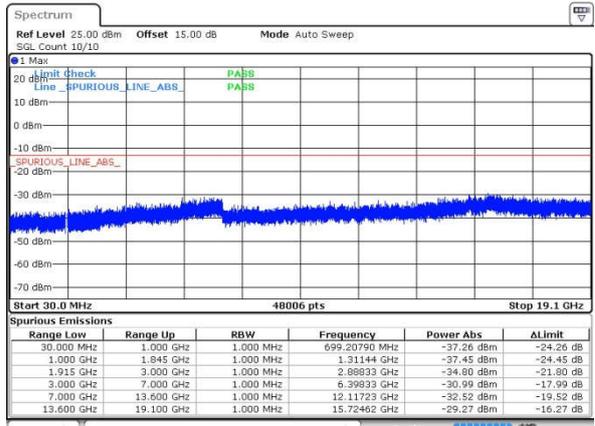
Date: 14 JAN 2017 05:54:14

Highest Channel



Date: 19 JAN 2017 12:56:39

Highest Channel



Date: 14 JAN 2017 05:55:37



**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.