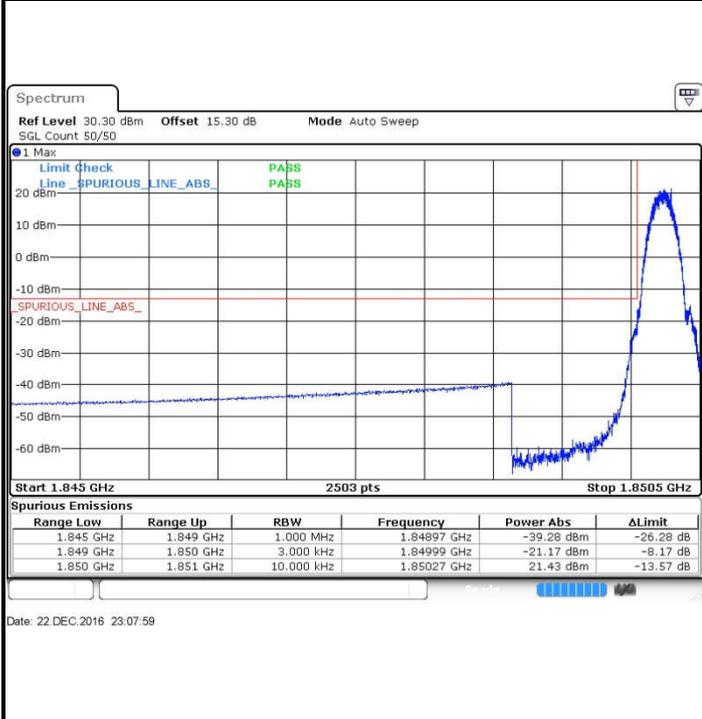


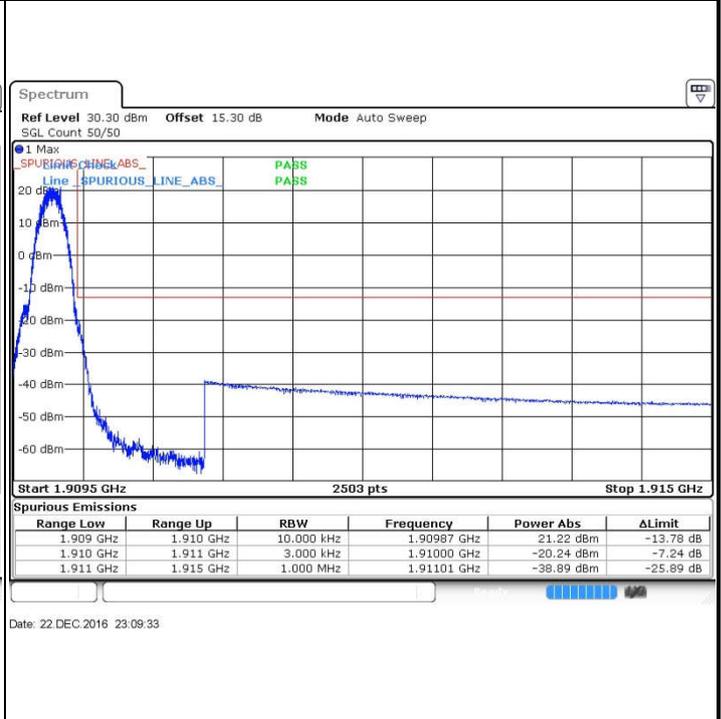


GSM1900 (GSM)

Lowest Band Edge

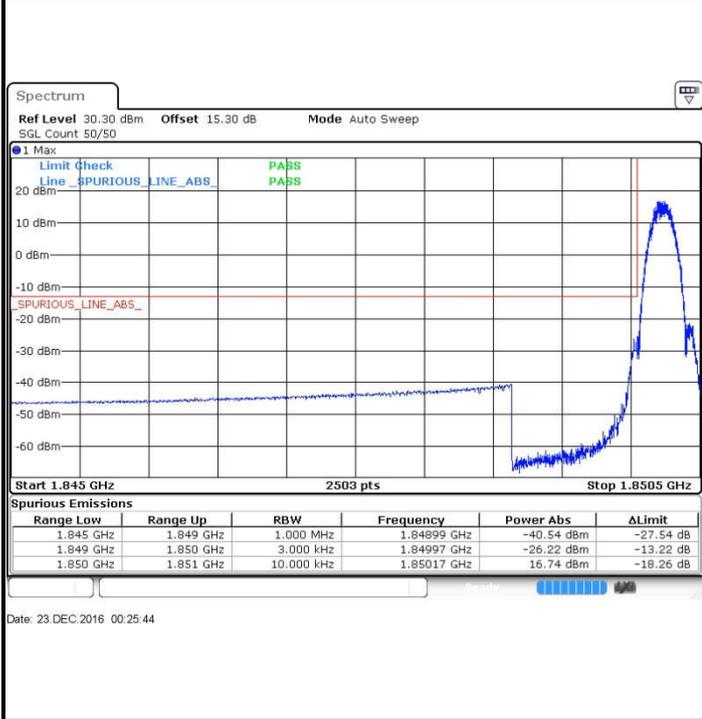


Highest Band Edge

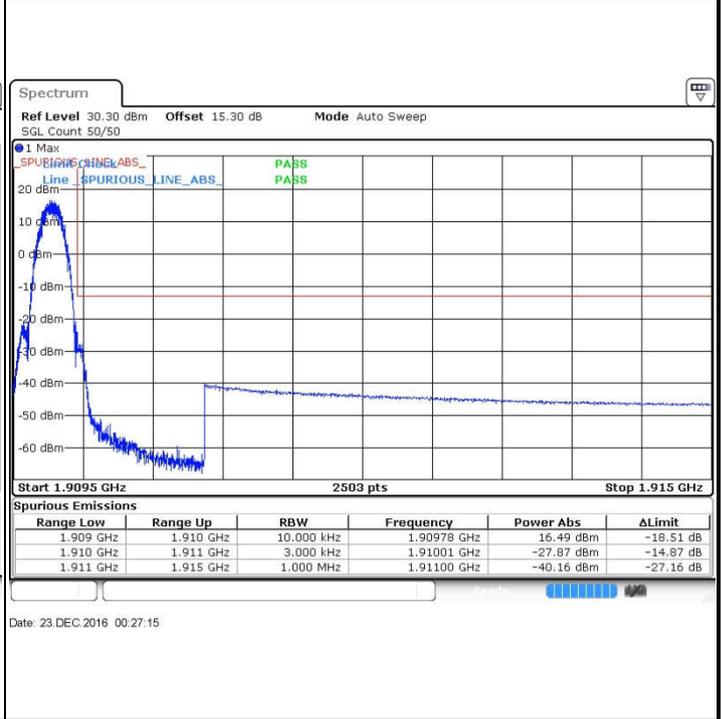


GSM1900 (EDGE)

Lowest Band Edge



Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



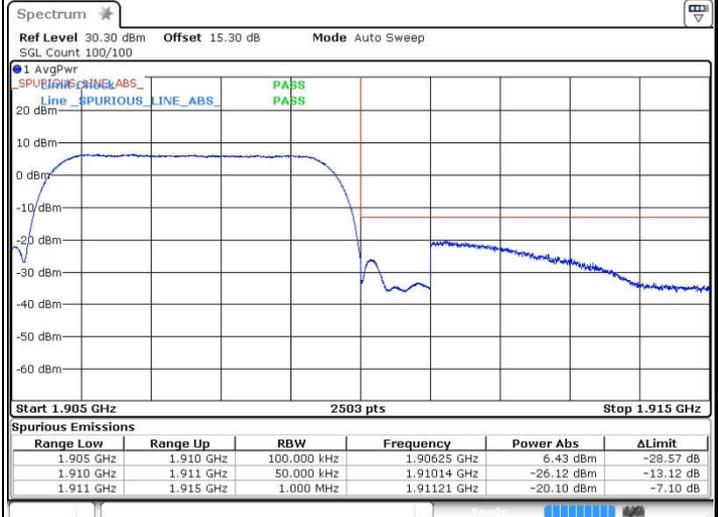
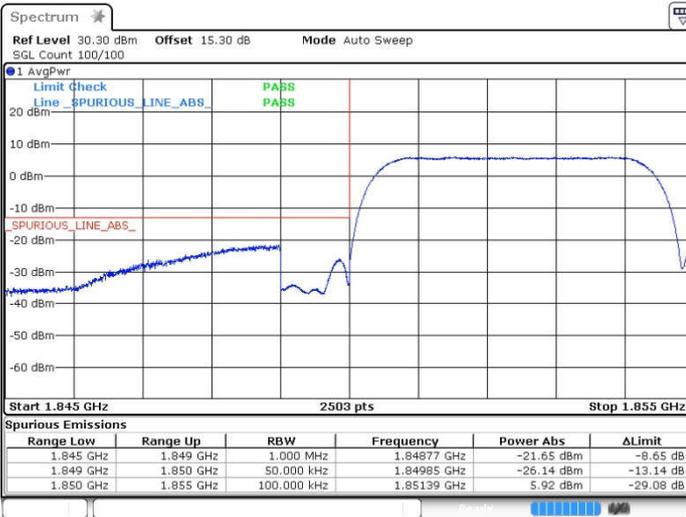
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Date: 22 DEC 2016 21:55:26

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 22 DEC 2016 22:22:40

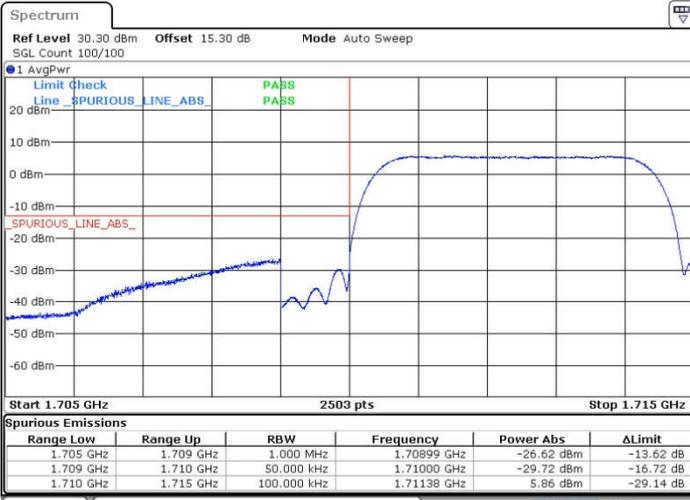
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WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 22 DEC 2016 22:41:16



Date: 22 DEC 2016 22:44:06



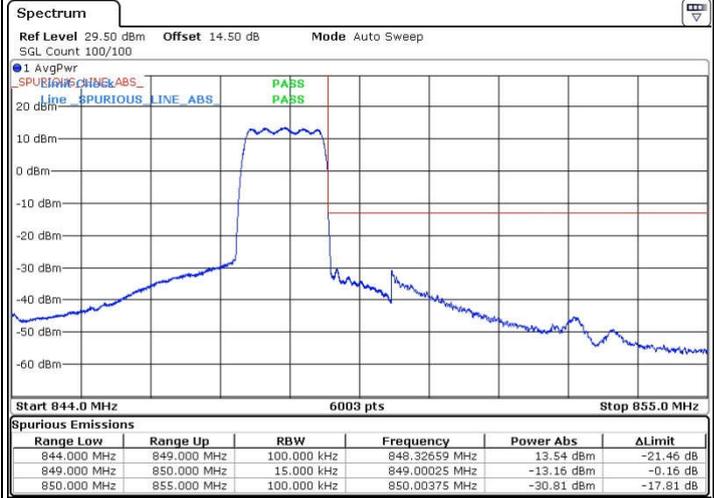
CDMA BC0 (RC1-SO55)

Lowest Band Edge

Highest Band Edge



Date: 23 DEC.2016 01:13:07

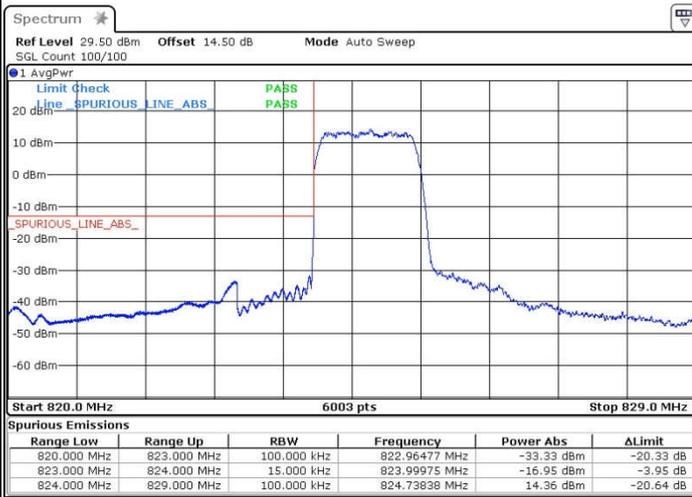


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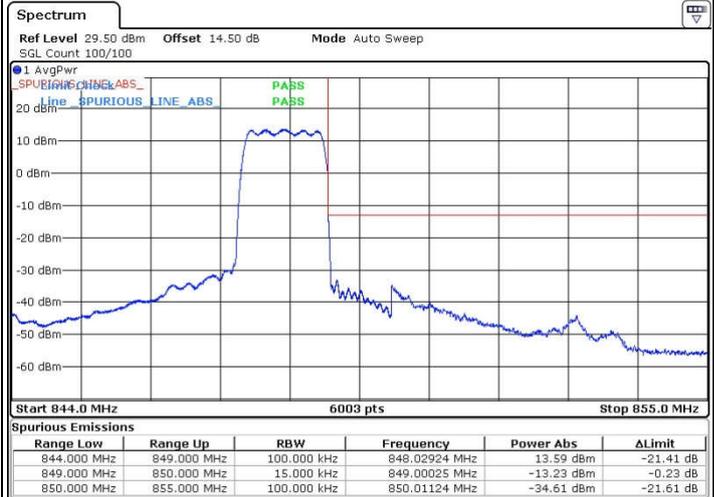
CDMA BC0 (RC3-SO32)

Lowest Band Edge

Highest Band Edge



Date: 23 DEC.2016 02:07:48



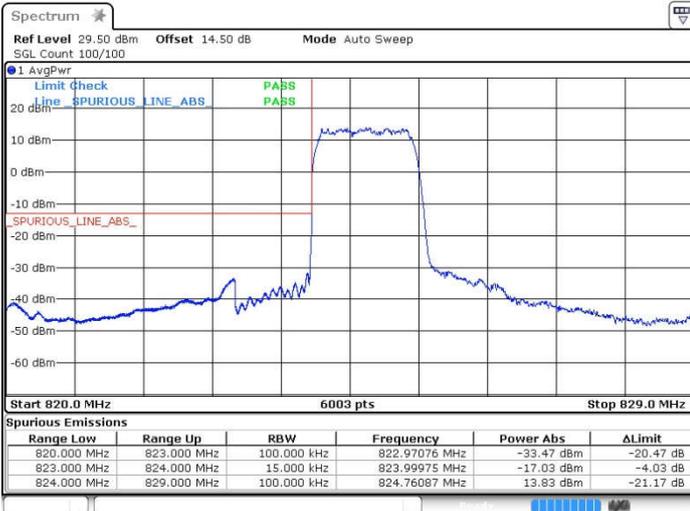
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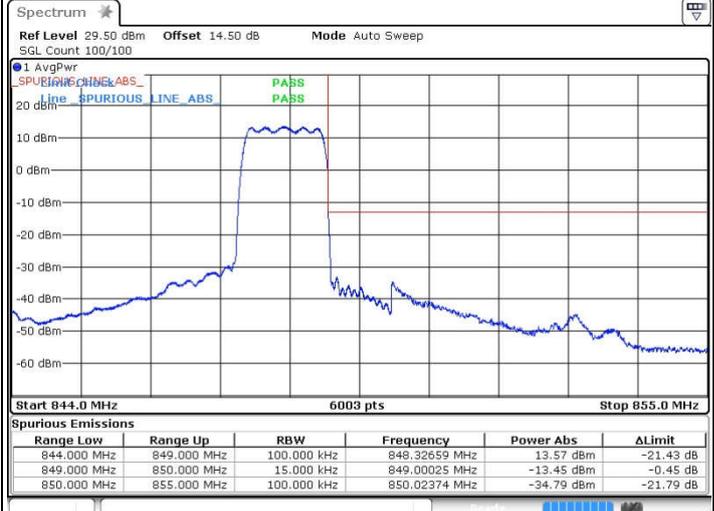
CDMA BC0 (RC3-SO55)

Lowest Band Edge

Highest Band Edge



Date: 23.DEC.2016 01:48:02

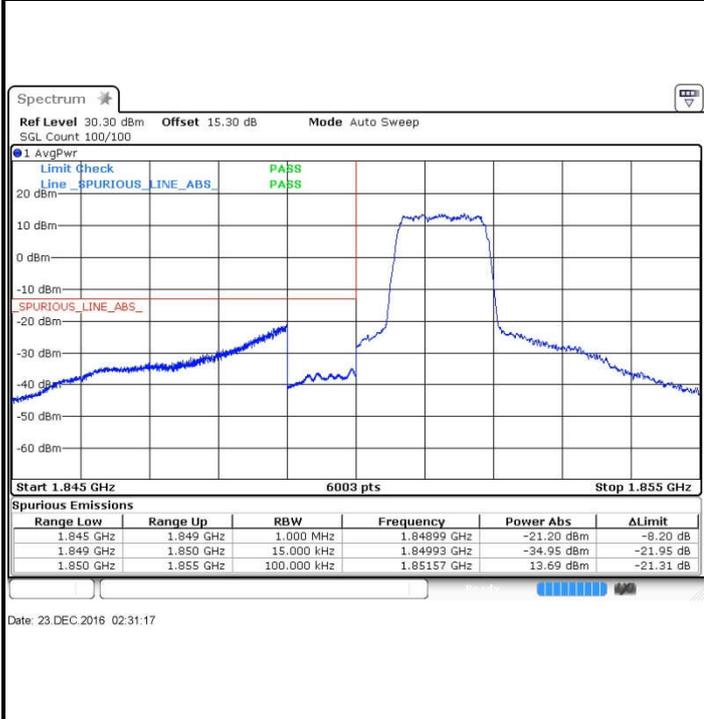


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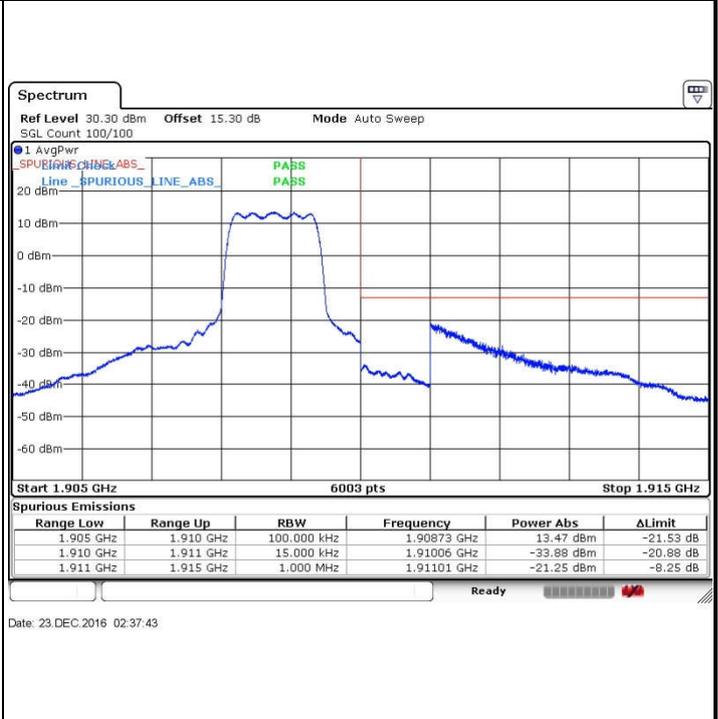


CDMA BC1 (RC1-SO55)

Lowest Band Edge

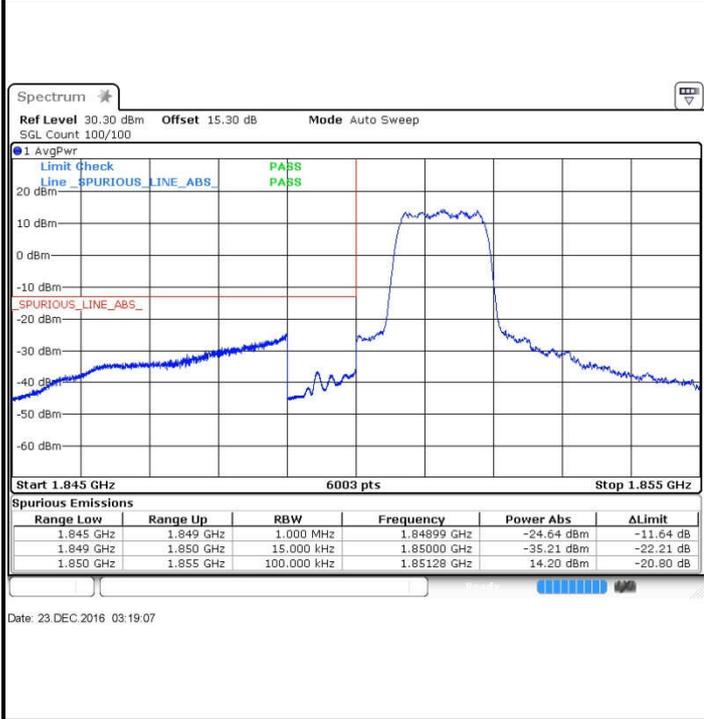


Highest Band Edge

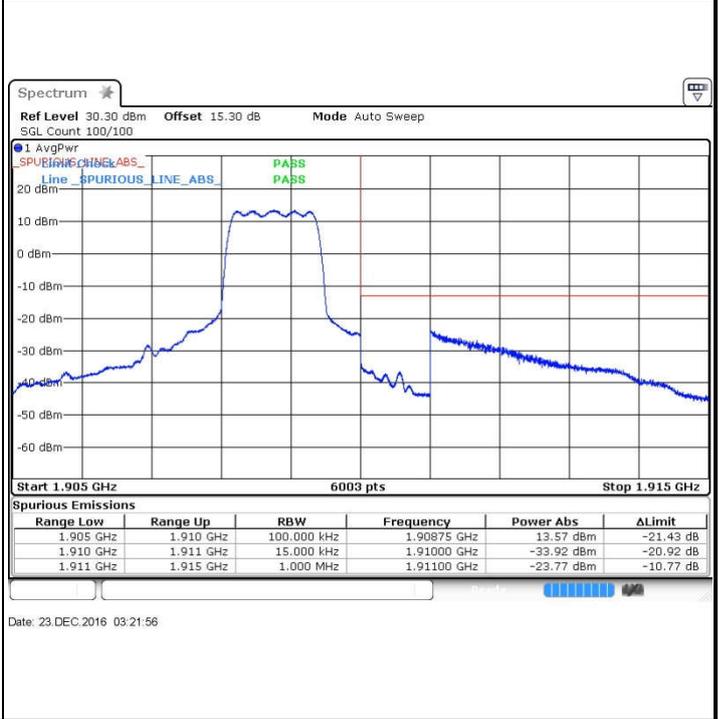


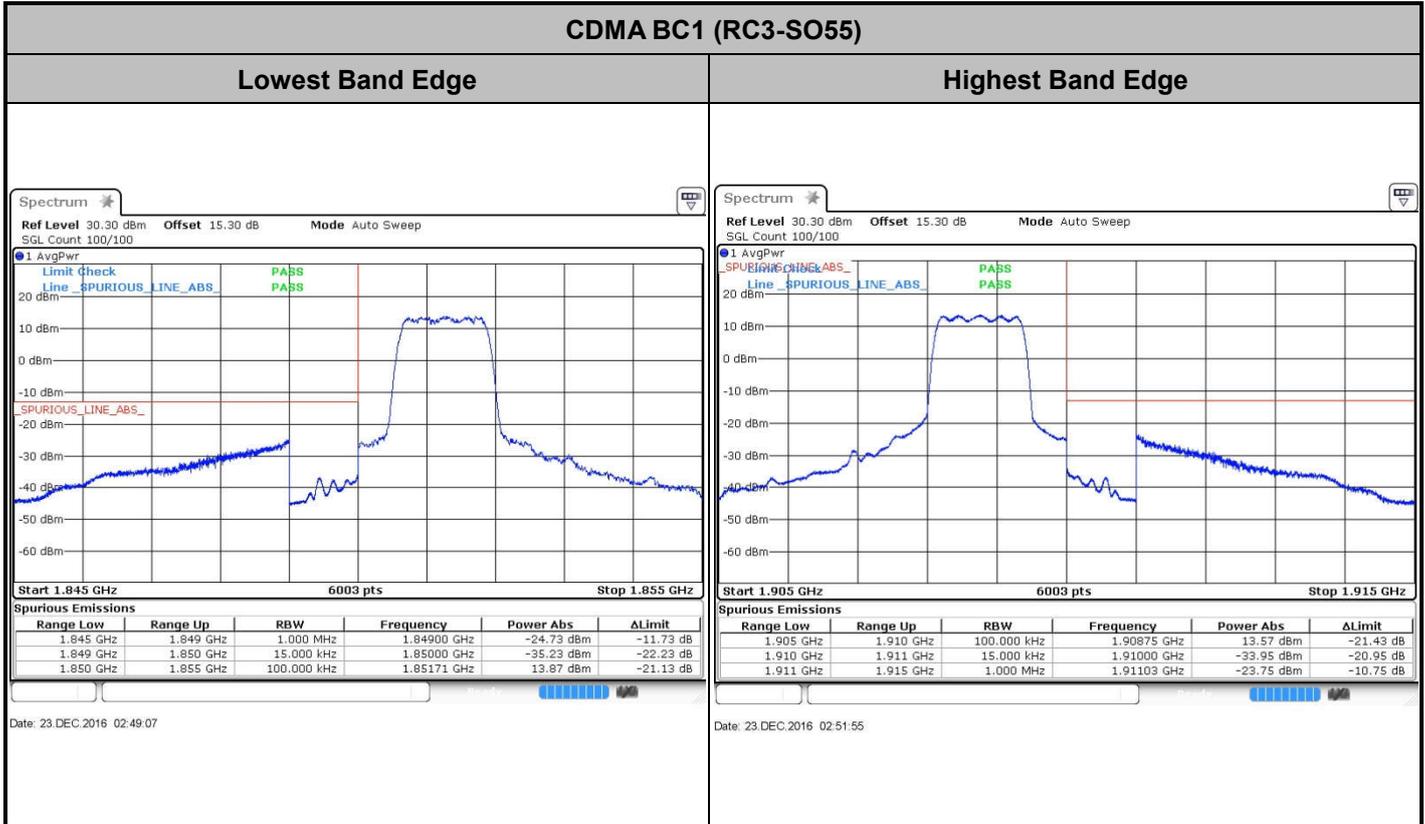
CDMA BC1 (RC3-SO32)

Lowest Band Edge



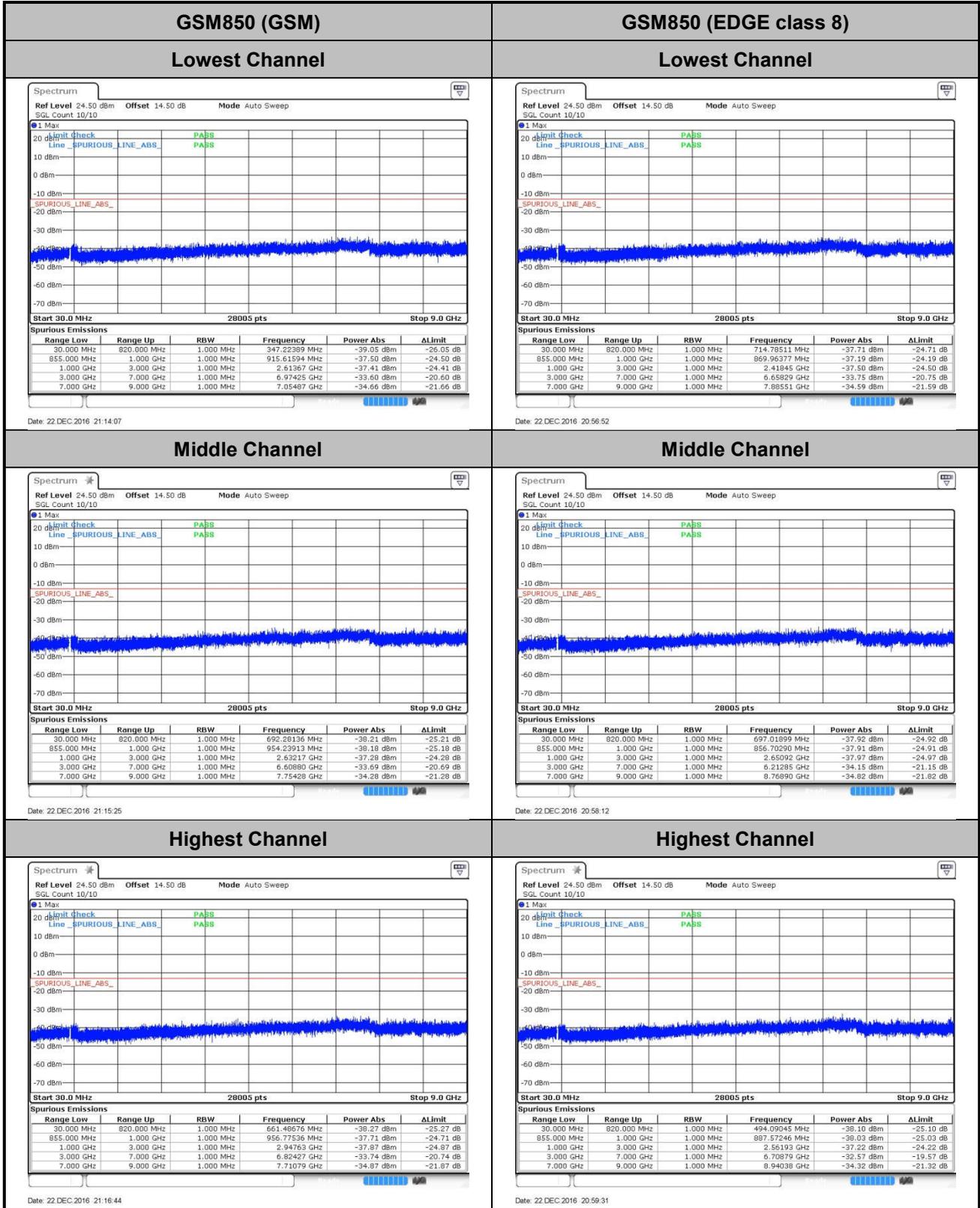
Highest Band Edge







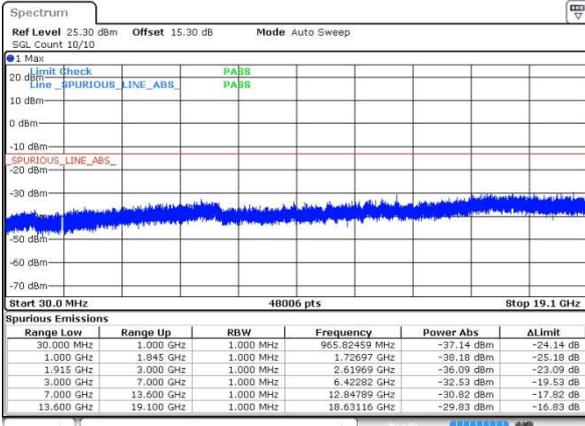
Conducted Spurious Emission





GSM1900 (GSM)

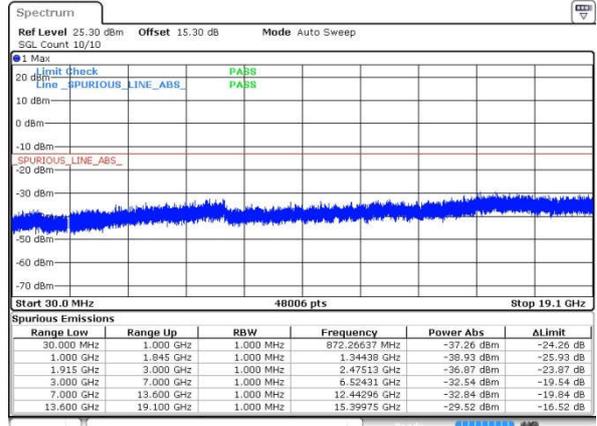
Lowest Channel



Date: 22 DEC 2016 23:11:00

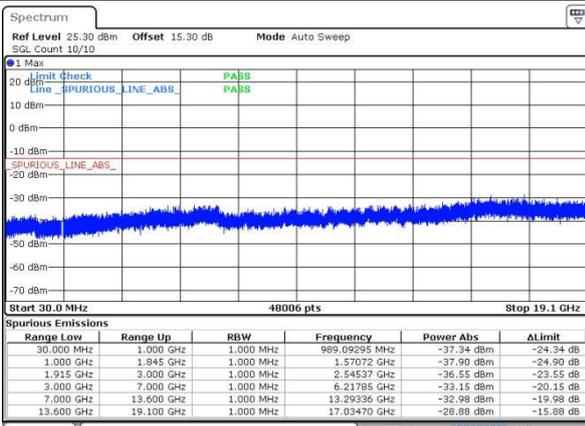
GSM1900 (EDGE class 8)

Lowest Channel



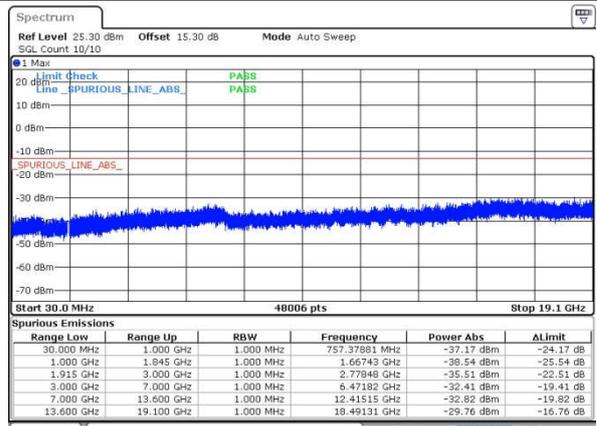
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Middle Channel



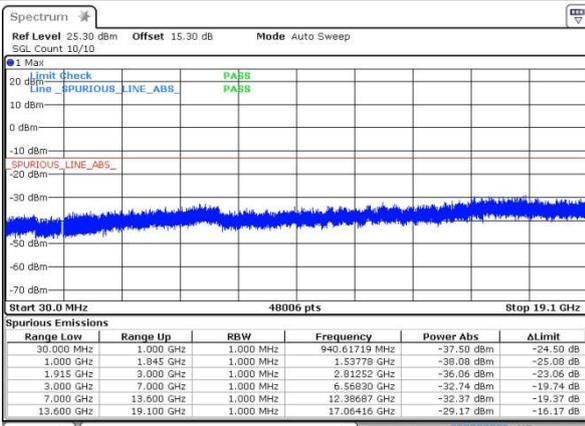
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Middle Channel



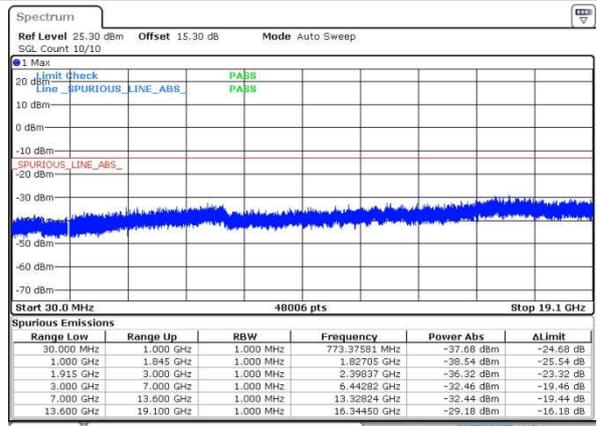
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Highest Channel



Date: 22 DEC 2016 23:14:05

Highest Channel

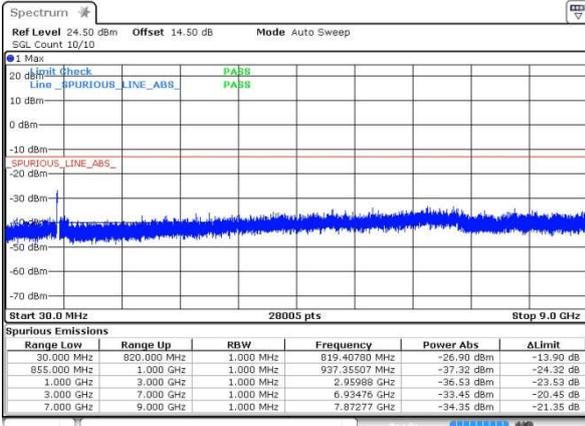


Date: 23 DEC 2016 00:31:22



WCDMA Band V (RMC 12.2Kbps)

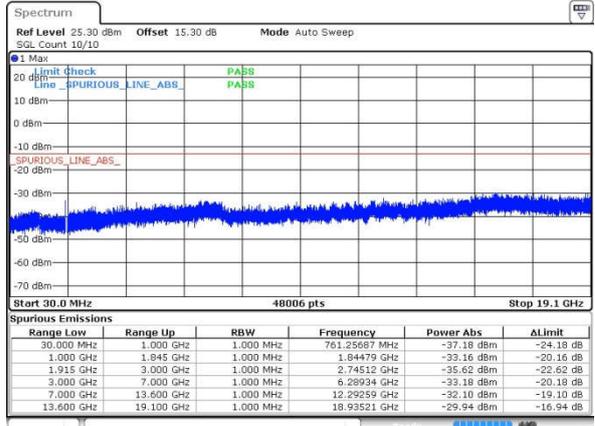
Lowest Channel



Date: 22 DEC 2016 21:57:11

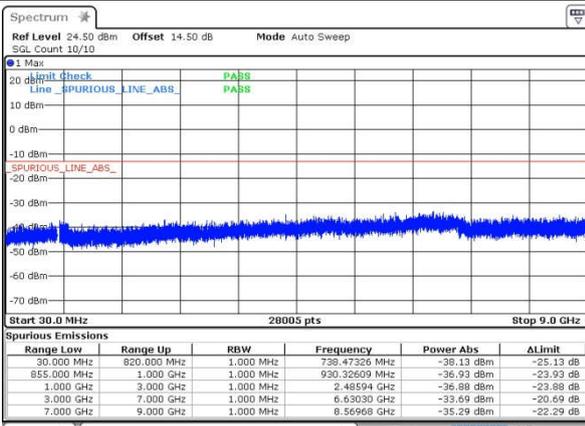
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



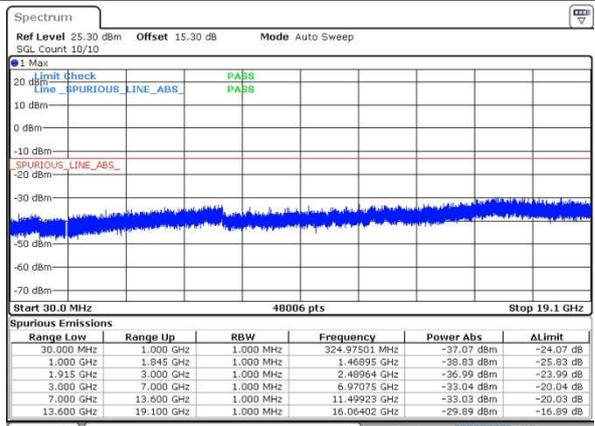
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Middle Channel



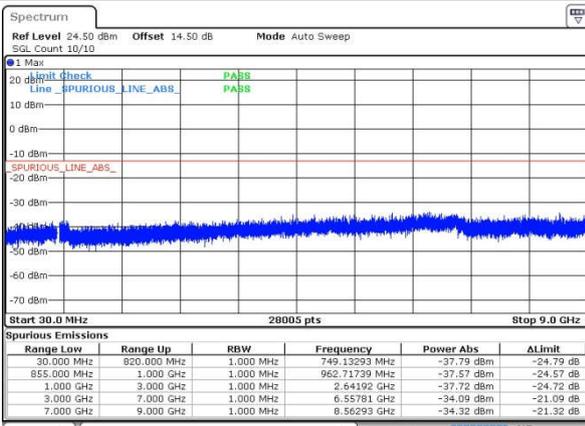
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Middle Channel



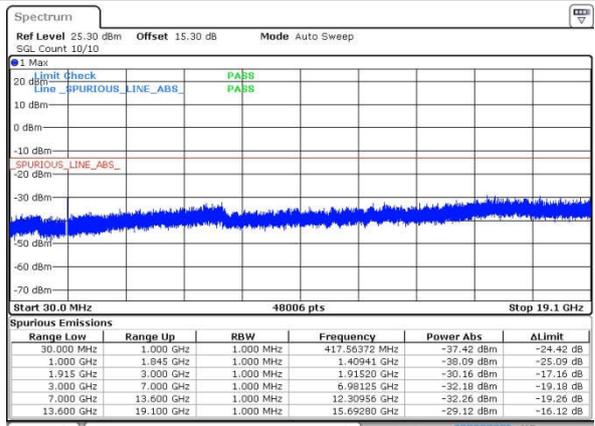
Date: 22 DEC 2016 22:28:24

Highest Channel



Date: 22 DEC 2016 22:00:08

Highest Channel

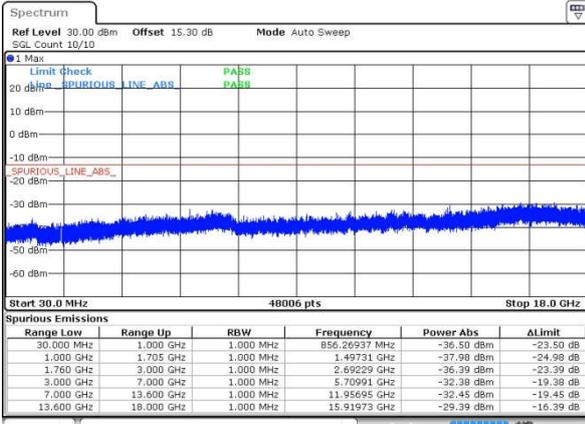


Date: 22 DEC 2016 22:29:47



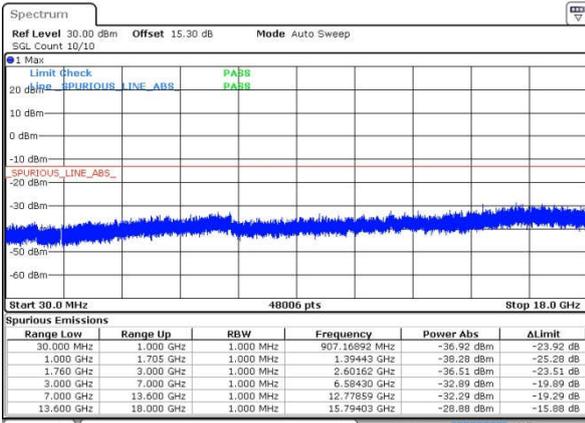
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



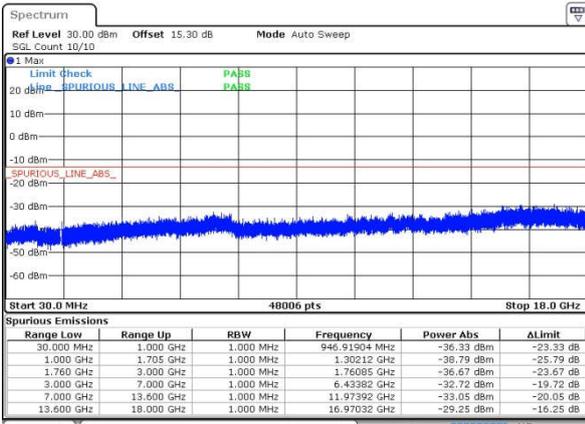
Date: 22 DEC 2016 22:48:24

Middle Channel



Date: 22 DEC 2016 22:49:45

Highest Channel

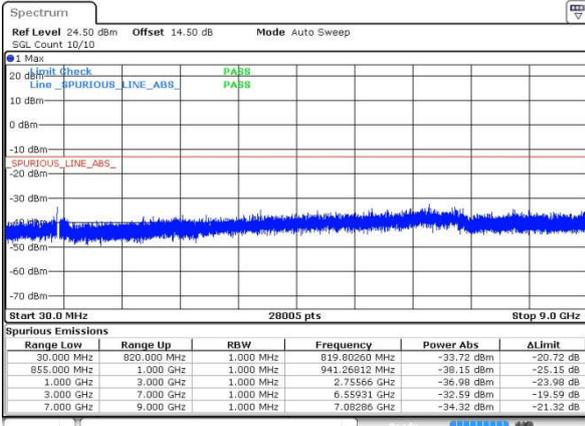


Date: 22 DEC 2016 22:51:08



CDMA BC0 (1XRTT)

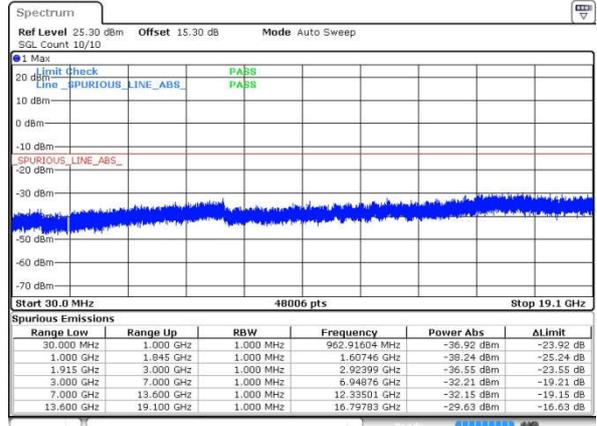
Lowest Channel



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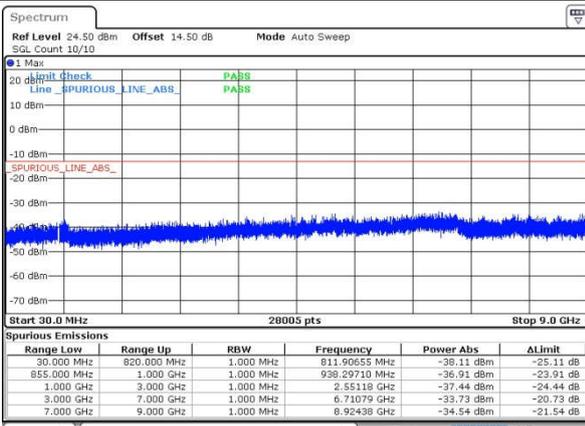
CDMA BC1 (1XRTT)

Lowest Channel



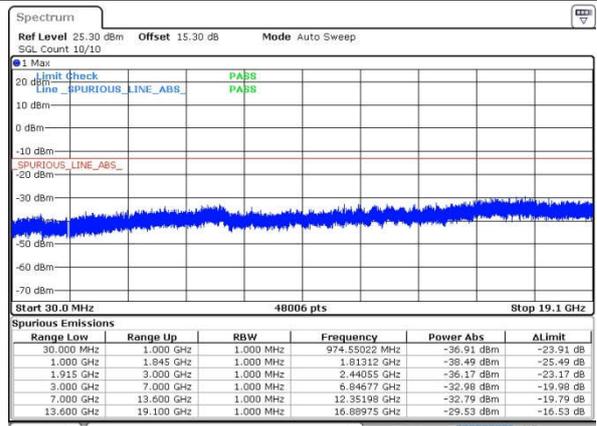
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Middle Channel



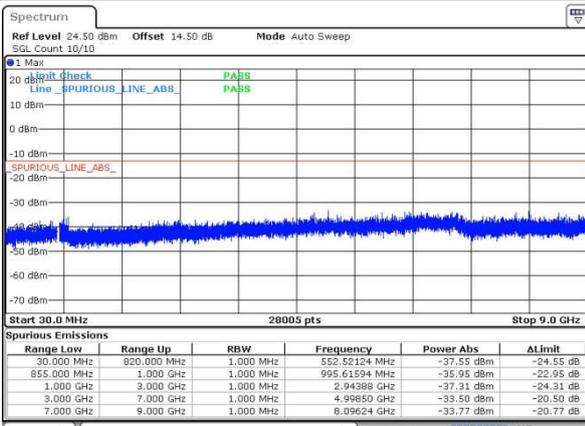
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Middle Channel



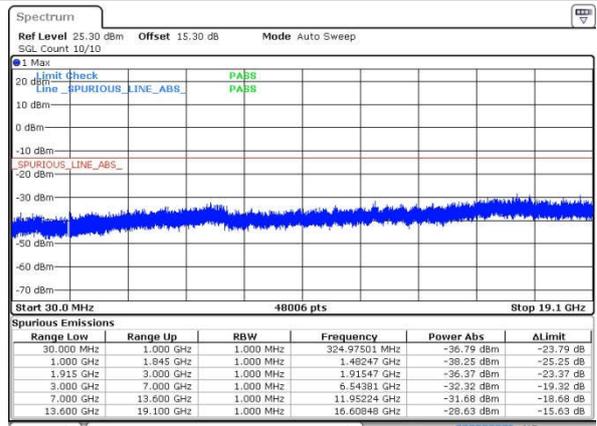
Date: 23 DEC 2016 02:55:05

Highest Channel



Date: 23 DEC 2016 01:56:02

Highest Channel



Date: 23 DEC 2016 02:56:28



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	0.0036	0.0048	PASS
40	Normal Voltage	0.0012	0.0036	
30	Normal Voltage	0.0012	0.0108	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0036	0.0060	
0	Normal Voltage	0.0132	0.0096	
-10	Normal Voltage	0.0108	0.0084	
-20	Normal Voltage	0.0120	0.0036	
-30	Normal Voltage	0.0060	0.0024	
20	Maximum Voltage	0.0072	0.0036	
20	Normal Voltage	0.0108	0.0012	
20	Battery End Point	0.0060	0.0120	

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

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0043	0.0191	PASS
40	Normal Voltage	0.0005	0.0202	
30	Normal Voltage	0.0191	0.0053	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0027	0.0165	
0	Normal Voltage	0.0016	0.0021	
-10	Normal Voltage	0.0154	0.0197	
-20	Normal Voltage	0.0032	0.0021	
-30	Normal Voltage	0.0160	0.0223	
20	Maximum Voltage	0.0144	0.0128	
20	Normal Voltage	0.0133	0.0133	
20	Battery End Point	0.0048	0.0186	

Note:

1. Normal Voltage = 3.7V. ; 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	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0108	
-20	Normal Voltage	0.0143	
-30	Normal Voltage	0.0155	
20	Maximum Voltage	0.0132	
20	Normal Voltage	0.0084	
20	Battery End Point	0.0048	

Note: Normal Voltage = 3.7V. ; 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	0.0037	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0059	

Note:

1. Normal Voltage = 3.7V. ; 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	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0075	
30	Normal Voltage	0.0092	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0075	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0075	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0058	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.7V. ; 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	0.0275	PASS
40	Normal Voltage	0.0108	
30	Normal Voltage	0.0287	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0239	
0	Normal Voltage	0.0359	
-10	Normal Voltage	0.0263	
-20	Normal Voltage	0.0227	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0215	
20	Battery End Point	0.0227	

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



Test Conditions	Middle Channel	CDMA BC1 (1xRTT)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0160	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0144	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.7V. ; 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

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	-56.00	-13	-43.00	-54.70	-57.82	1.23	5.20	H
	2512	-57.71	-13	-44.71	-62.56	-59.94	1.52	5.90	H
	3344	-66.92	-13	-53.92	-74.48	-69.70	1.77	6.70	H
	1672	-53.25	-13	-40.25	-52.64	-55.07	1.23	5.20	V
	2512	-47.14	-13	-34.14	-60.64	-49.37	1.52	5.90	V
	3345	-63.20	-13	-50.20	-74.30	-65.98	1.77	6.70	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	-68.99	-13	-55.99	-67.19	-70.81	1.23	5.20	H
	2512	-67.38	-13	-54.38	-72.23	-69.61	1.52	5.90	H
	3345	-67.20	-13	-54.20	-74.76	-69.98	1.77	6.70	H
	1672	-68.70	-13	-55.70	-66.65	-70.52	1.23	5.20	V
	2512	-63.65	-13	-50.65	-71.95	-65.88	1.52	5.90	V
	3345	-63.18	-13	-50.18	-74.28	-65.96	1.77	6.70	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	3760	-65.67	-13	-52.67	-74.68	-70.53	1.93	6.80	H
	5640	-59.62	-13	-46.62	-70.18	-66.92	2.40	9.70	H
	7520	-57.48	-13	-44.48	-72.52	-66.53	2.76	11.81	H
	3760	-65.39	-13	-52.39	-74.7	-70.26	1.93	6.80	V
	5640	-62.97	-13	-49.97	-70.92	-70.27	2.40	9.70	V
	7520	-59.49	-13	-46.49	-71.98	-68.54	2.76	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	3760	-65.75	-13	-52.75	-74.76	-70.61	1.93	6.80	H
	5640	-59.92	-13	-46.92	-70.48	-67.22	2.40	9.70	H
	7520	-58.26	-13	-45.26	-73.30	-67.31	2.76	11.81	H
	3760	-65.29	-13	-52.29	-74.6	-70.16	1.93	6.80	V
	5640	-62.58	-13	-49.58	-70.53	-69.88	2.40	9.70	V
	7520	-60.45	-13	-47.45	-72.94	-69.50	2.76	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	1672	-69.09	-13	-56.09	-67.29	-70.91	1.23	5.20	H
	2512	-67.85	-13	-54.85	-72.70	-70.08	1.52	5.90	H
	3345	-67.29	-13	-54.29	-74.85	-70.07	1.77	6.70	H
	1672	-69.36	-13	-56.36	-67.31	-71.18	1.23	5.20	V
	2512	-64.05	-13	-51.05	-72.35	-66.28	1.52	5.90	V
	3345	-63.90	-13	-50.90	-75.00	-66.68	1.77	6.70	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	-64.90	-13	-51.90	-73.91	-69.76	1.93	6.80	H
	5640	-60.37	-13	-47.37	-70.93	-67.67	2.40	9.70	H
	7520	-56.67	-13	-43.67	-71.71	-65.72	2.76	11.81	H
	3760	-64.86	-13	-51.86	-74.17	-69.73	1.93	6.80	V
	5640	-61.90	-13	-48.90	-69.85	-69.20	2.40	9.70	V
	7520	-59.46	-13	-46.46	-71.95	-68.51	2.76	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	3465	-63.43	-13	-50.43	-74.91	-68.31	1.81	6.69	H
	5197	-61.06	-13	-48.06	-71.76	-68.01	2.19	9.14	H
	6930	-58.43	-13	-45.43	-70.77	-66.51	2.6	10.68	H
	3465	-63.80	-13	-50.80	-75.55	-68.68	1.81	6.69	V
	5197	-62.87	-13	-49.87	-72.37	-69.82	2.19	9.14	V
	6930	-58.01	-13	-45.01	-70.52	-66.09	2.6	10.68	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	-69.27	-13	-56.27	-67.47	-71.09	1.23	5.20	H
	2509	-67.21	-13	-54.21	-72.06	-69.44	1.52	5.90	H
	3345	-66.76	-13	-53.76	-74.32	-69.54	1.77	6.70	H
	1672	-69.87	-13	-56.87	-67.82	-71.69	1.23	5.20	V
	2509	-64.42	-13	-51.42	-72.72	-66.65	1.52	5.90	V
	3345	-63.60	-13	-50.60	-74.70	-66.38	1.77	6.70	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	3760	-65.29	-13	-52.29	-74.30	-70.15	1.93	6.80	H
	5640	-59.43	-13	-46.43	-69.99	-66.73	2.40	9.70	H
	7520	-57.55	-13	-44.55	-72.59	-66.60	2.76	11.81	H
	3760	-64.57	-13	-51.57	-73.88	-69.44	1.93	6.80	V
	5640	-62.47	-13	-49.47	-70.42	-69.77	2.40	9.70	V
	7520	-60.08	-13	-47.08	-72.57	-69.13	2.76	11.81	V

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