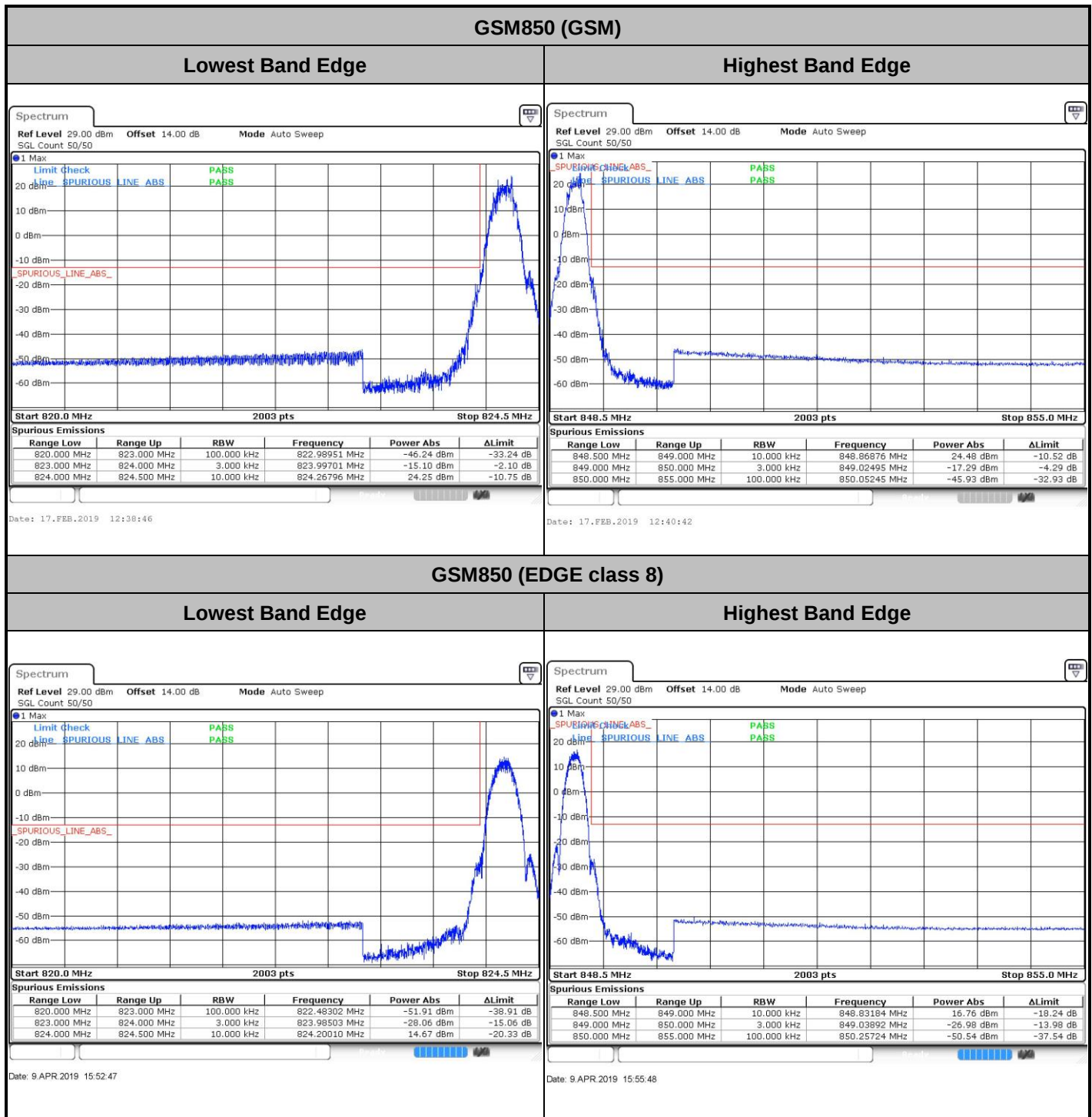
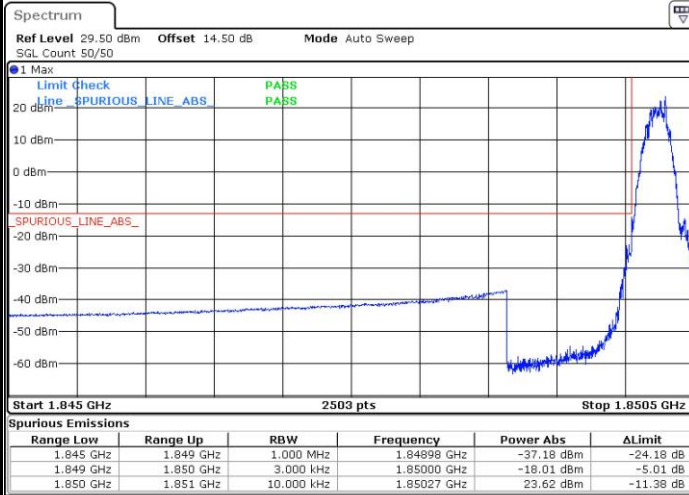


**Conducted Band Edge**

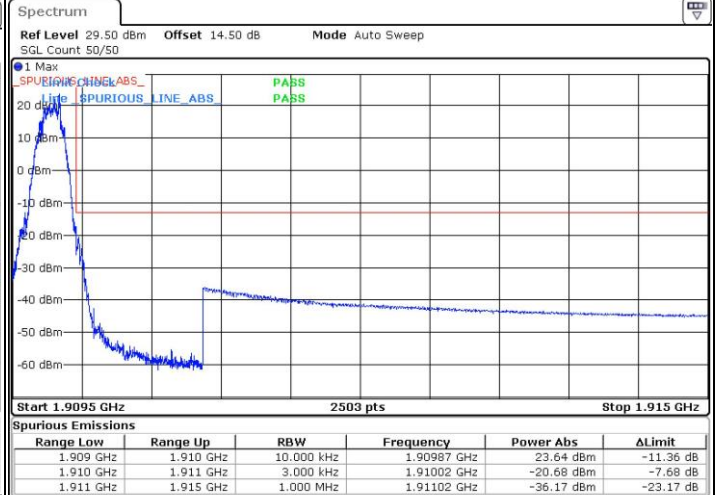


GSM1900 (GSM)

Lowest Band Edge

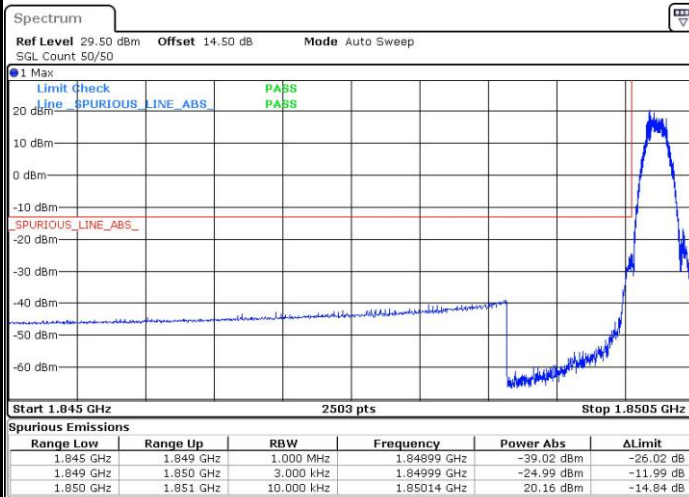


Highest Band Edge

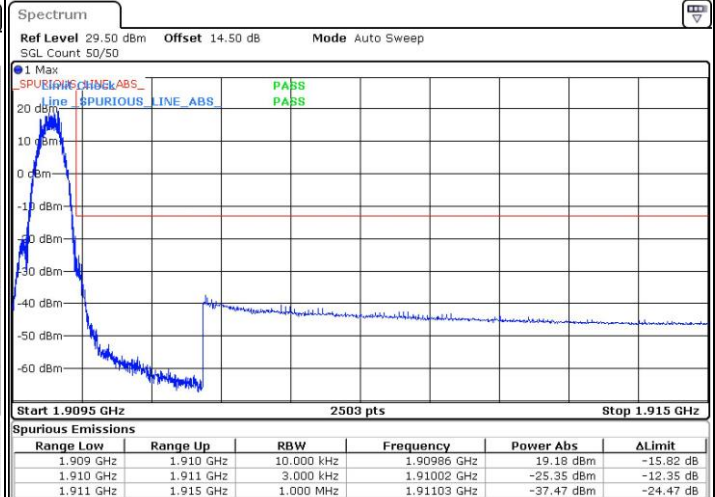


GSM1900 (EDGE class 8)

Lowest Band Edge



Highest Band Edge





CDMA BC0 (1xRTT)

Lowest Band Edge

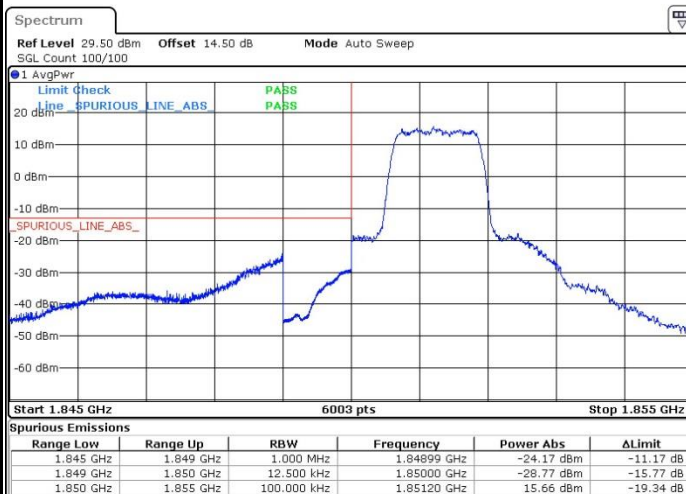


Highest Band Edge

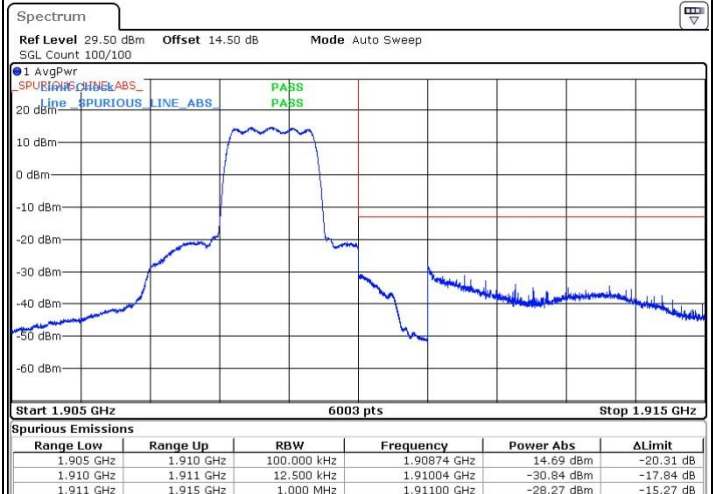


CDMA BC1 (1xRTT)

Lowest Band Edge



Highest Band Edge

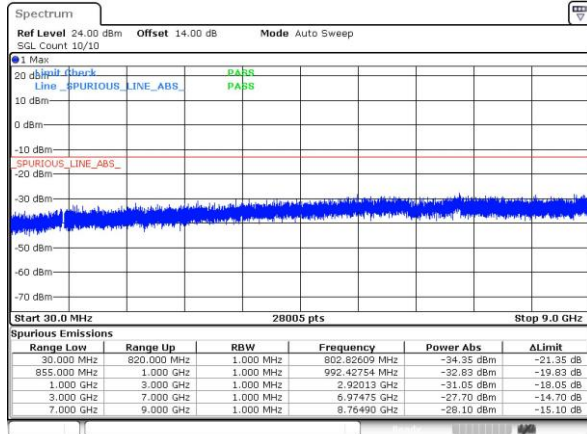




Conducted Spurious Emission

GSM850 (GSM)

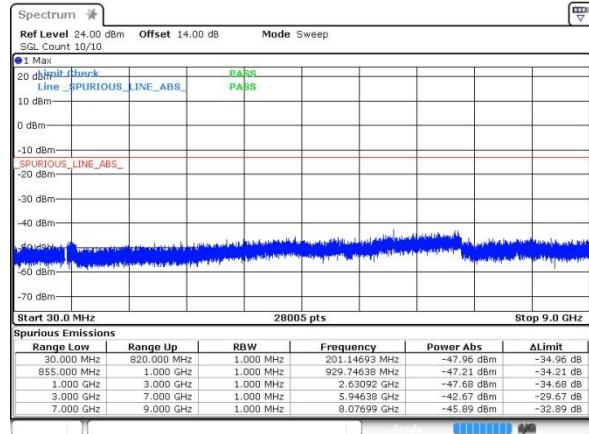
Lowest Channel



Date: 17.FEB.2019 12:42:32

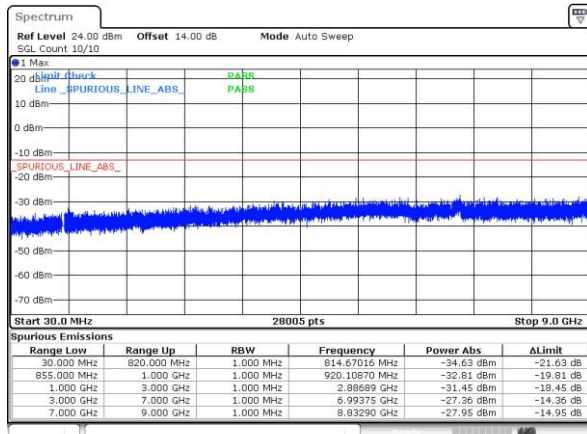
GSM850 (EDGE class 8)

Lowest Channel



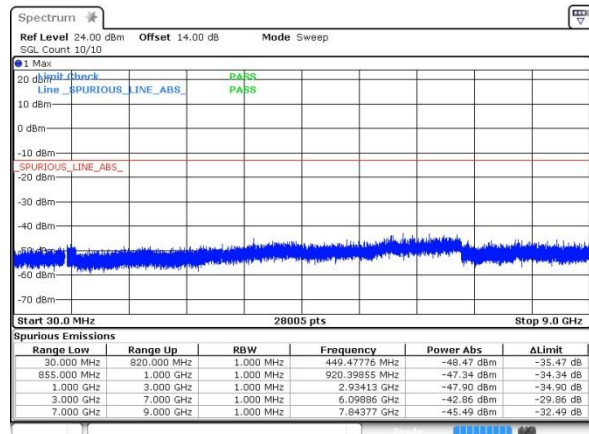
Date: 9 APR 2019 15:57:15

Middle Channel



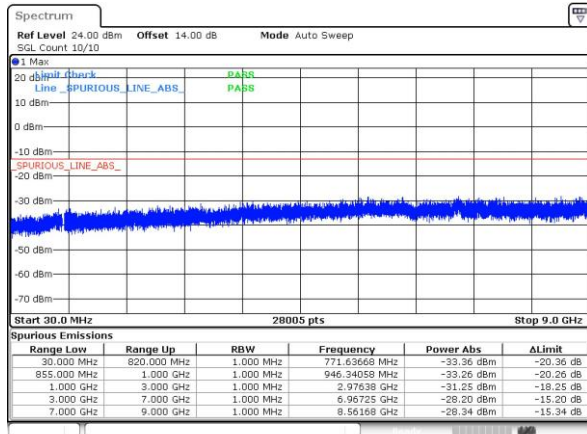
Date: 17.FEB.2019 12:44:11

Middle Channel



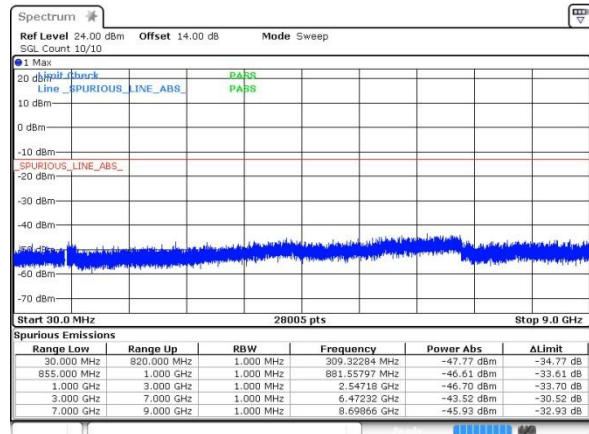
Date: 9 APR 2019 15:57:45

Highest Channel



Date: 17.FEB.2019 12:45:50

Highest Channel

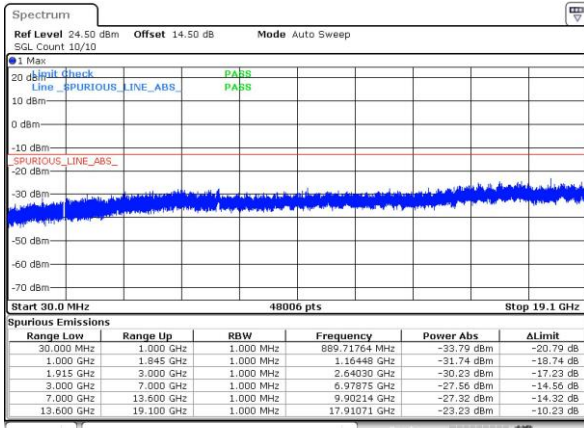


Date: 9 APR 2019 15:58:12



GSM1900 (GSM)

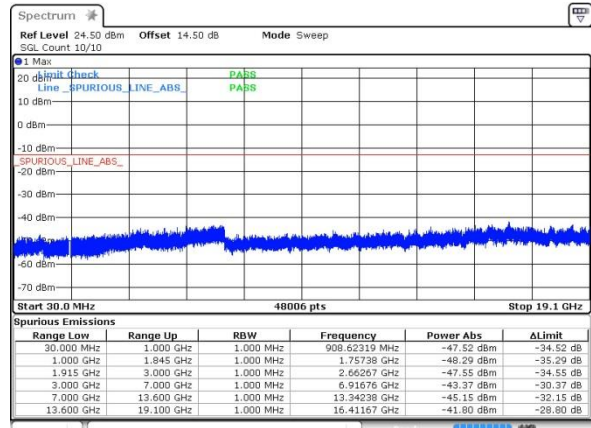
Lowest Channel



Date: 17.FEB.2019 13:18:56

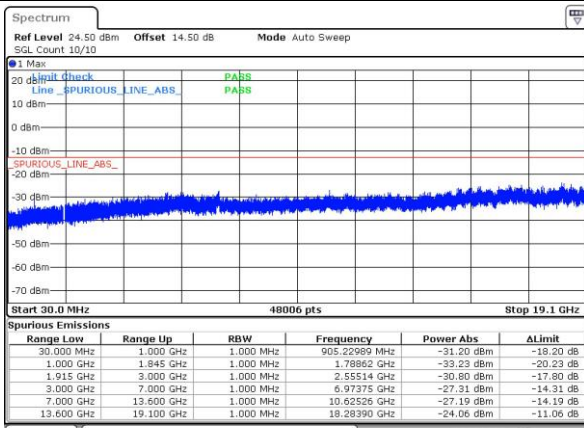
GSM1900 (EDGE class 8)

Lowest Channel

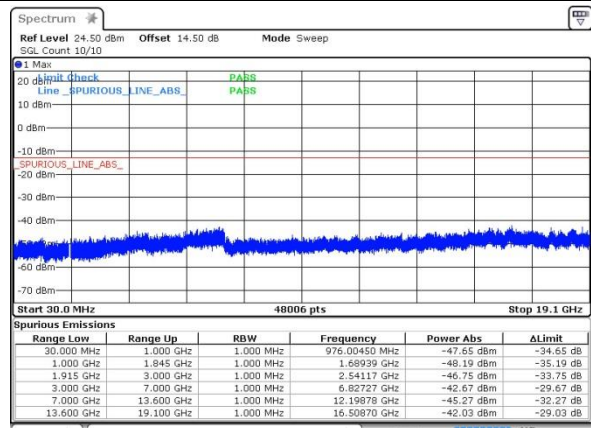


Date: 9 APR 2019 16:22:42

Middle Channel

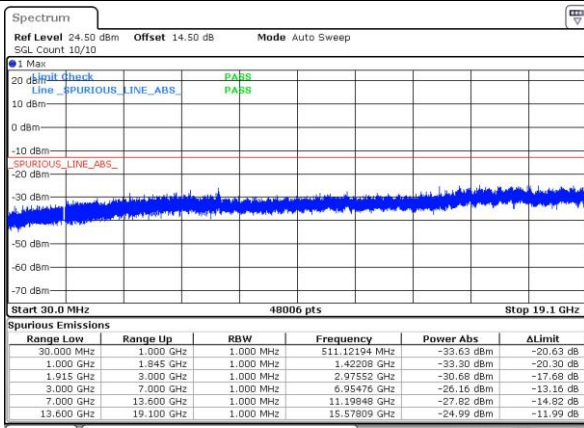


Date: 17.FEB.2019 13:20:44

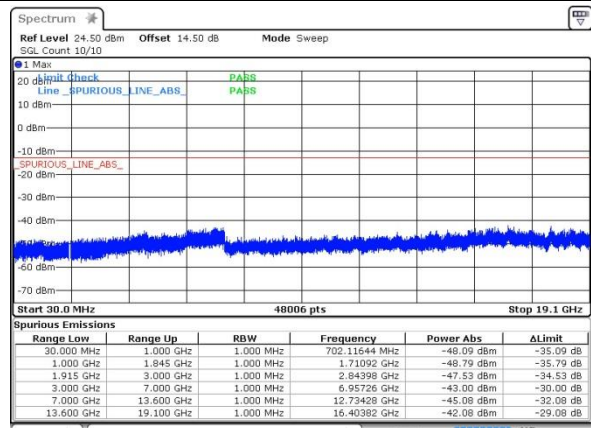


Date: 9 APR 2019 16:23:18

Highest Channel



Date: 17.FEB.2019 13:22:23

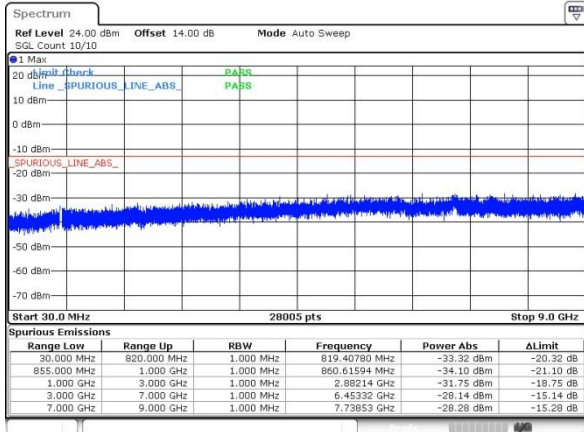


Date: 9 APR 2019 16:23:33



CDMA BC0 (1xRTT)

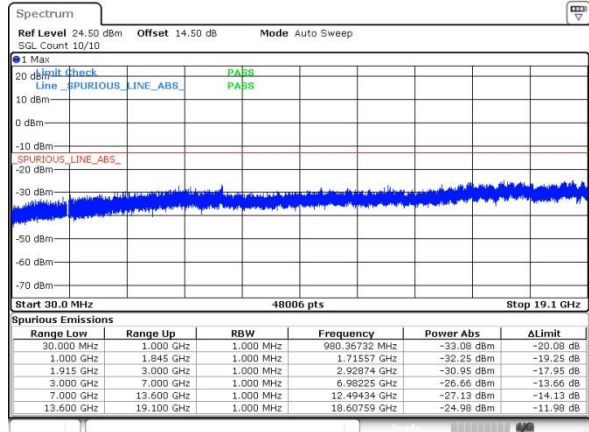
Lowest Channel



Date: 17.FEB.2019 14:11:10

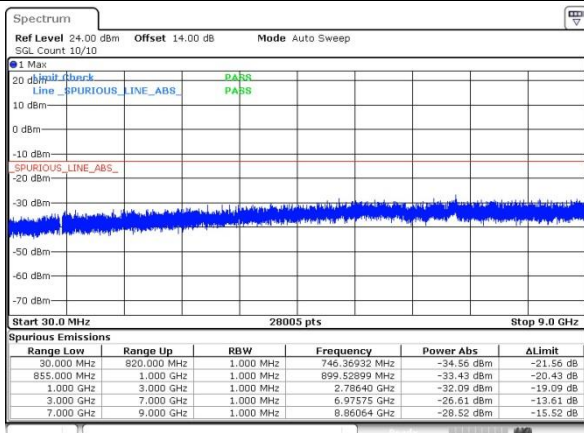
CDMA BC1 (1xRTT)

Lowest Channel



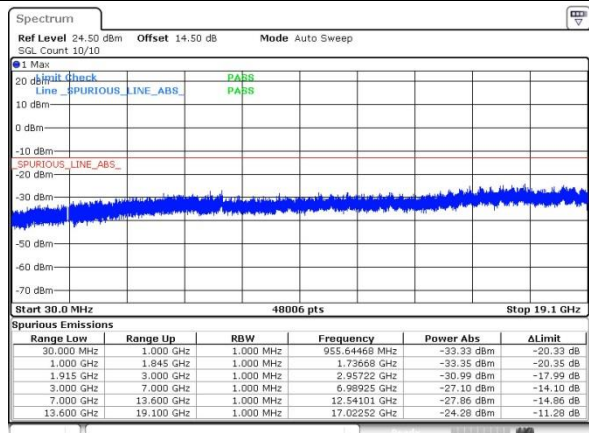
Date: 17.FEB.2019 14:46:57

Middle Channel



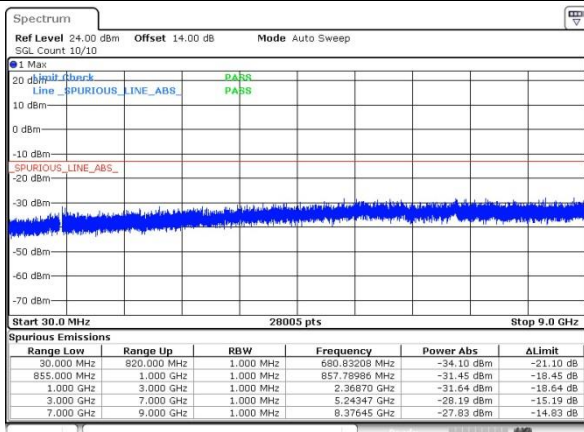
Date: 17.FEB.2019 14:13:46

Middle Channel



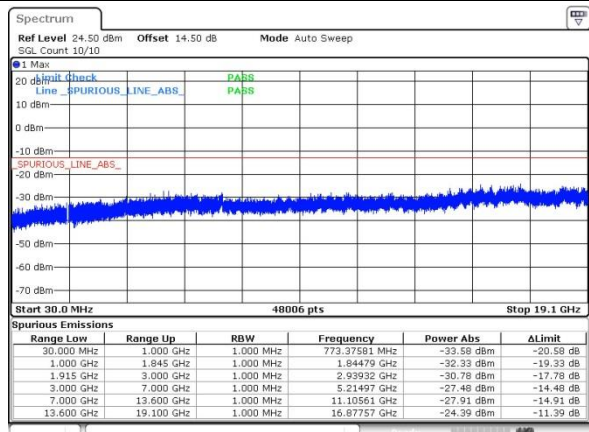
Date: 17.FEB.2019 14:48:26

Highest Channel



Date: 17.FEB.2019 14:18:53

Highest Channel



Date: 17.FEB.2019 14:49:57

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		2.5ppm
50	Normal Voltage	0.0012	0.0032	PASS
40	Normal Voltage	0.0033	0.0045	
30	Normal Voltage	0.0005	0.0043	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0019	0.0037	
0	Normal Voltage	0.0008	0.0056	
-10	Normal Voltage	0.0026	0.0025	
-20	Normal Voltage	0.0016	0.0038	
-30	Normal Voltage	0.0005	0.0034	
20	Maximum Voltage	0.0024	0.0028	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0030	0.0045	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.4 V

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Note 2.
50	Normal Voltage	0.0002	0.0012	PASS
40	Normal Voltage	0.0017	0.0015	
30	Normal Voltage	0.0006	0.0022	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0013	0.0025	
0	Normal Voltage	0.0016	0.0013	
-10	Normal Voltage	0.0027	0.0031	
-20	Normal Voltage	0.0034	0.0011	
-30	Normal Voltage	0.0019	0.0012	
20	Maximum Voltage	0.0028	0.0015	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0041	0.0008	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.4 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	0.0039	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0078	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0113	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.4 V

Test Conditions	Middle Channel	CDMA BC1 (1xRTT)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0098	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0113	
-10	Normal Voltage	0.0083	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.4 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

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	1672.8	-42.23	-13	-29.23	-52.20	-45.48	4.00	9.40	H
	2509.2	-45.50	-13	-32.50	-59.00	-49.07	4.88	10.60	H
	3345.6	-58.64	-13	-45.64	-74.25	-63.57	5.52	12.60	H
	1672.8	-42.46	-13	-29.46	-51.92	-45.71	4.00	9.40	V
	2509.2	-46.74	-13	-33.74	-60.07	-50.31	4.88	10.60	V
	3345.6	-59.72	-13	-46.72	-74.89	-64.65	5.52	12.60	V

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

GSM850 (EDGE class 8)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-45.78	-13	-32.78	-55.75	-49.03	4.00	9.40	H
	2512	-43.03	-13	-30.03	-56.53	-46.60	4.88	10.60	H
	3345.6	-53.03	-13	-40.03	-68.64	-57.96	5.52	12.60	H
	4182	-54.65	-13	-41.65	-73.51	-59.12	6.00	12.62	H
	1672.8	-50.80	-13	-37.80	-60.26	-54.05	4.00	9.40	V
	2509.2	-45.43	-13	-32.43	-58.76	-49.00	4.88	10.60	V
	3345.6	-57.71	-13	-44.71	-72.88	-62.64	5.52	12.60	V
	4182	-58.10	-13	-45.10	-75.96	-62.57	6.00	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)
Middle	3760	-52.51	-13	-39.51	-70.46	-59.26	5.85	12.60	H
	5640	-58.31	-13	-45.31	-79.50	-64.11	7.30	13.10	H
	7520	-54.29	-13	-41.29	-79.48	-57.44	8.35	11.50	H
	3760	-46.15	-13	-33.15	-63.33	-52.90	5.85	12.60	V
	5640	-58.65	-13	-45.65	-78.78	-64.45	7.30	13.10	V
	7520	-55.07	-13	-42.07	-79.68	-58.22	8.35	11.50	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	-50.50	-13	-37.50	-68.45	-57.25	5.85	12.60	H
	5640	-57.48	-13	-44.48	-78.67	-63.28	7.30	13.10	H
	7520	-53.24	-13	-40.24	-78.43	-56.39	8.35	11.50	H
	3760	-52.08	-13	-39.08	-69.26	-58.83	5.85	12.60	V
	5640	-58.49	-13	-45.49	-78.62	-64.29	7.30	13.10	V
	7520	-54.06	-13	-41.06	-78.67	-57.21	8.35	11.50	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	1673.04	-51.04	-13	-38.04	-61.01	-54.29	4.00	9.40	H
	2509.56	-62.30	-13	-49.30	-75.80	-65.87	4.88	10.60	H
	3346.08	-62.28	-13	-49.28	-77.89	-67.21	5.52	12.60	H
	1673.04	-59.08	-13	-46.08	-68.54	-62.33	4.00	9.40	V
	2509.56	-62.42	-13	-49.42	-75.75	-65.99	4.88	10.60	V
	3346.08	-62.44	-13	-49.44	-77.61	-67.37	5.52	12.60	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	-53.96	-13	-40.96	-71.91	-60.71	5.85	12.60	H
	5640	-55.03	-13	-42.03	-76.22	-60.83	7.30	13.10	H
	7520	-54.23	-13	-41.23	-79.42	-57.38	8.35	11.50	H
	3760	-55.06	-13	-42.06	-72.24	-61.81	5.85	12.60	V
	5640	-55.15	-13	-42.15	-75.28	-60.95	7.30	13.10	V
	7520	-54.76	-13	-41.76	-79.37	-57.91	8.35	11.50	V

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