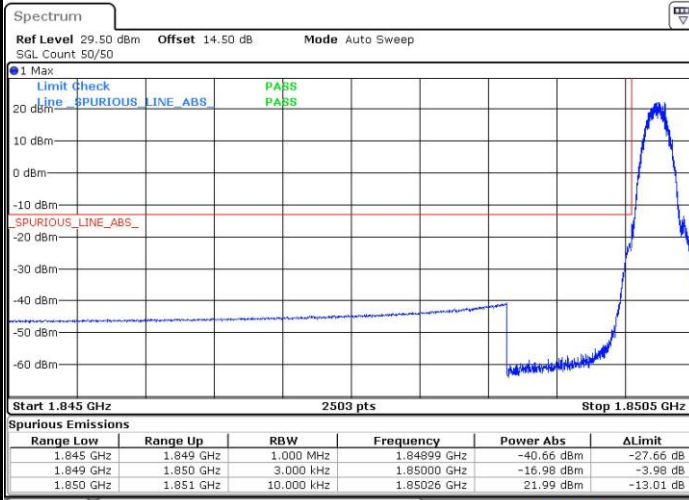


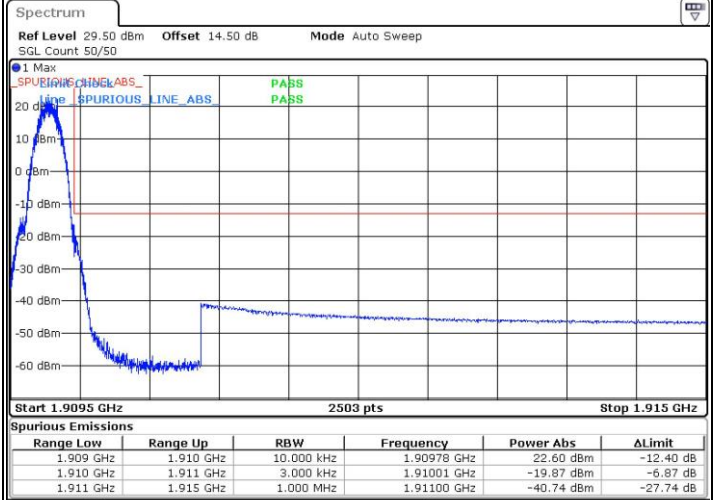


GSM1900 (GSM)

Lowest Band Edge

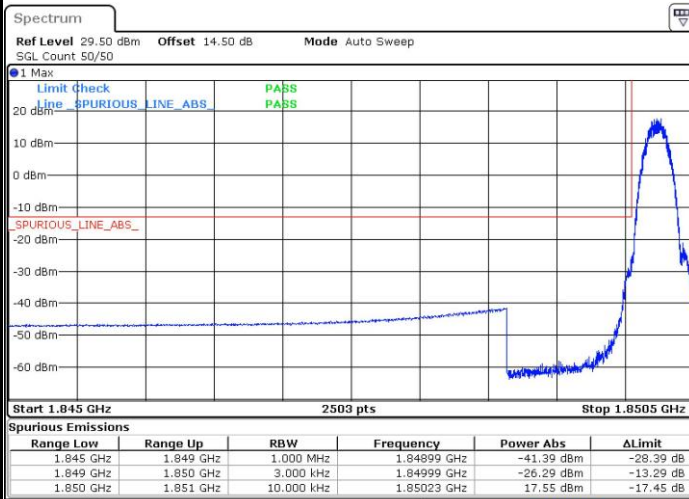


Highest Band Edge

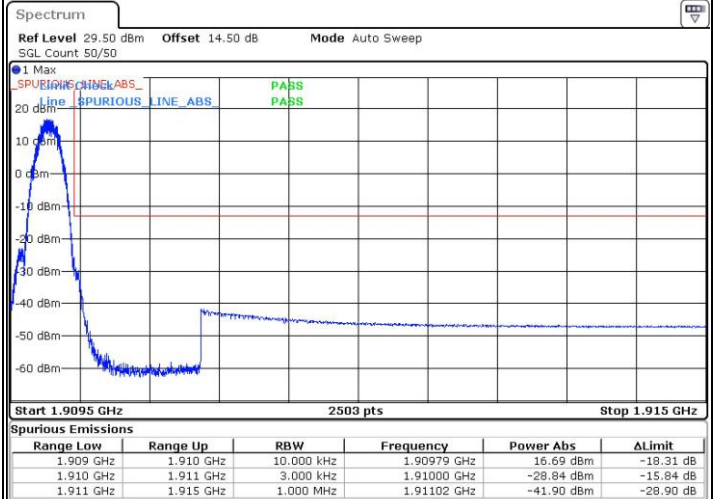


GSM1900 (EDGE class 8)

Lowest Band Edge



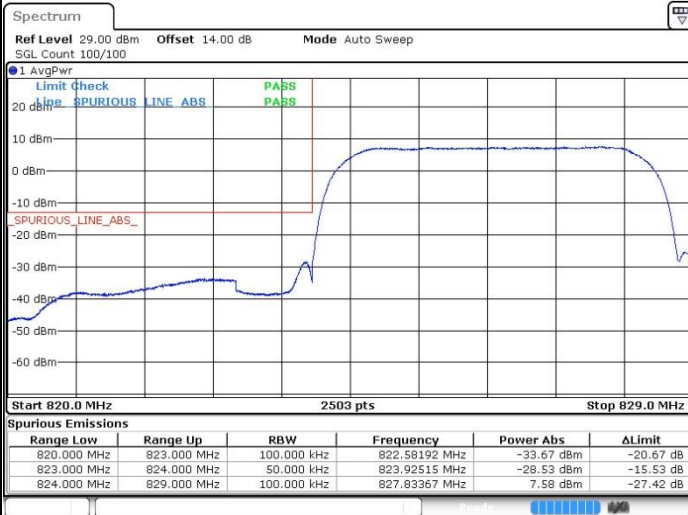
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

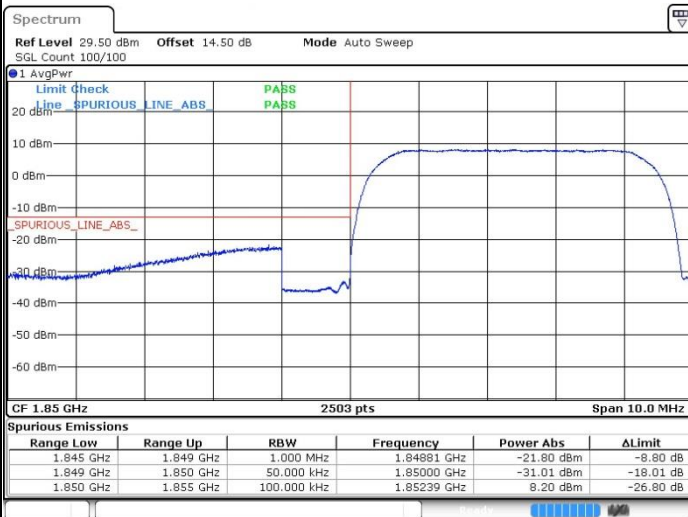


Highest Band Edge

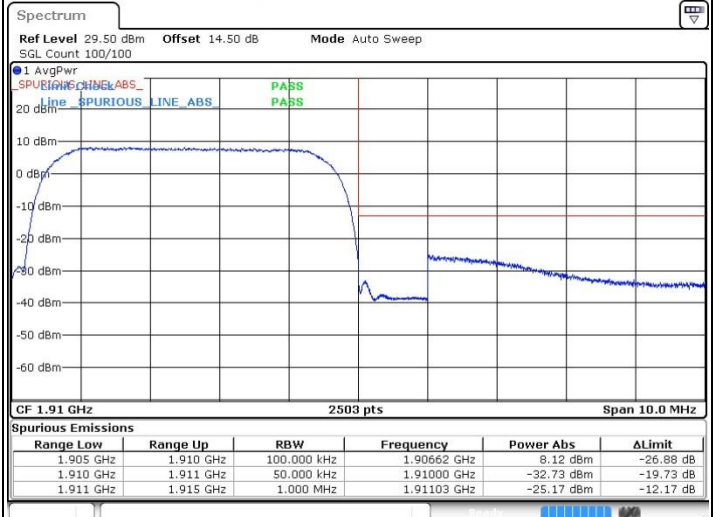


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge





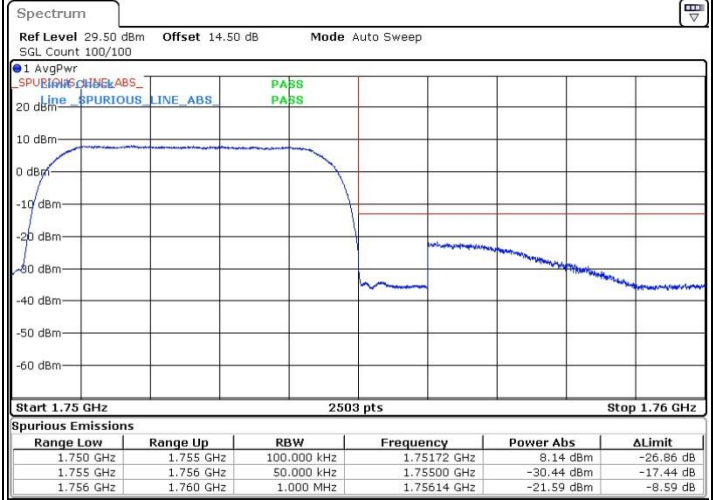
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 8 NOV 2017 21:06:46

Highest Band Edge



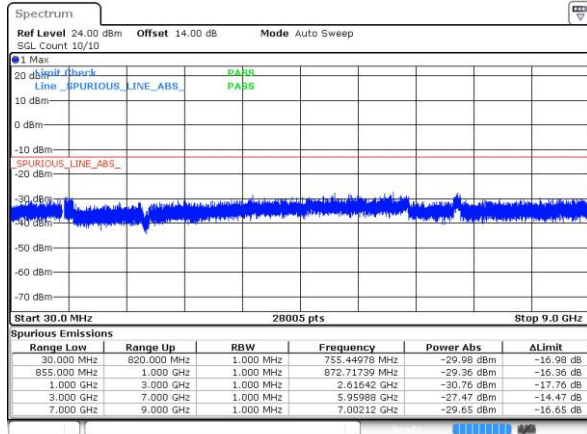
Date: 8 NOV 2017 21:10:30



Conducted Spurious Emission

GSM850 (GSM)

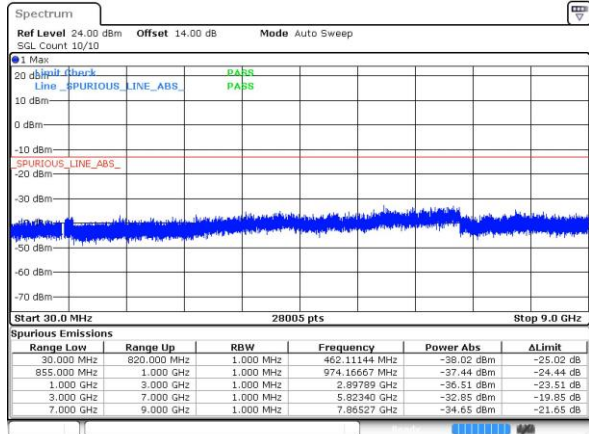
Lowest Channel



Date: 8 NOV 2017 22:56:38

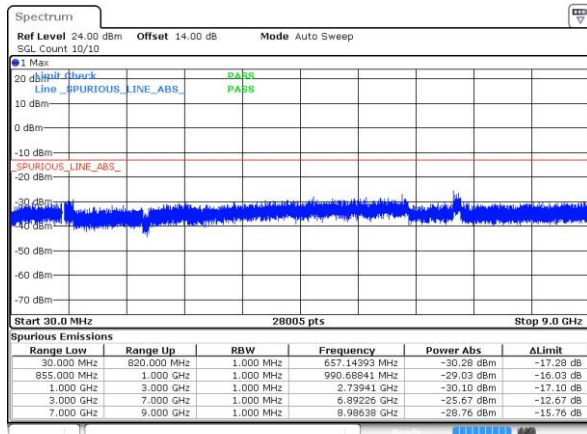
GSM850 (EDGE class 8)

Lowest Channel



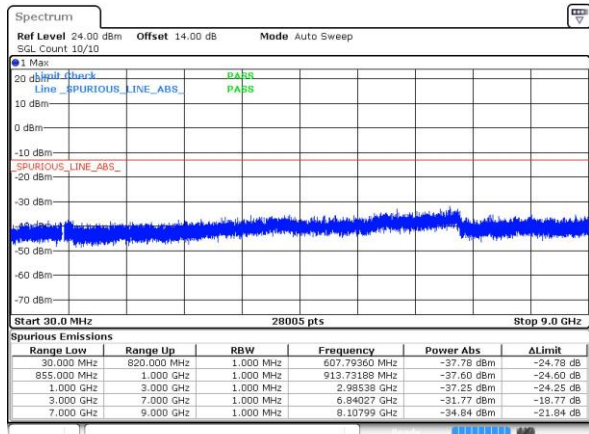
Date: 15 NOV 2017 23:44:59

Middle Channel



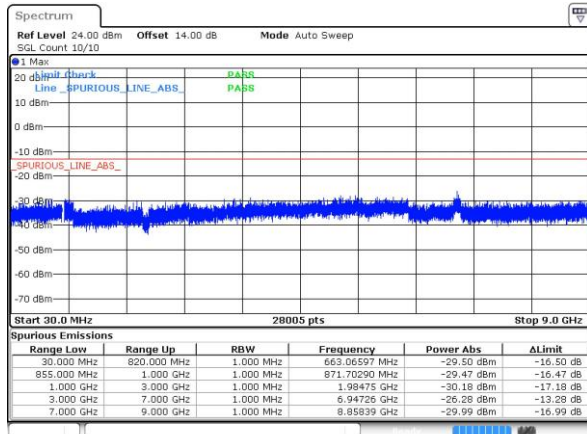
Date: 8 NOV 2017 22:58:24

Middle Channel



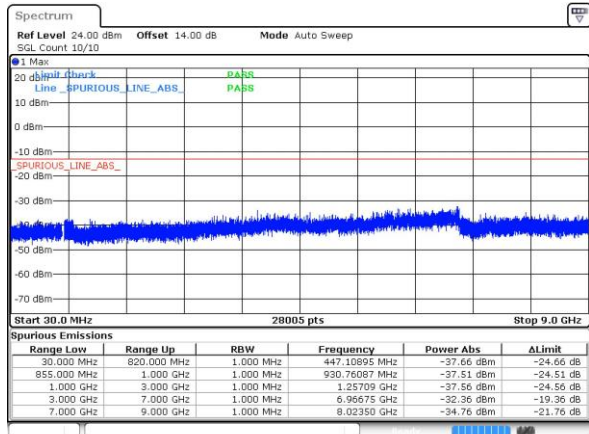
Date: 15 NOV 2017 23:46:25

Highest Channel



Date: 8 NOV 2017 23:00:12

Highest Channel

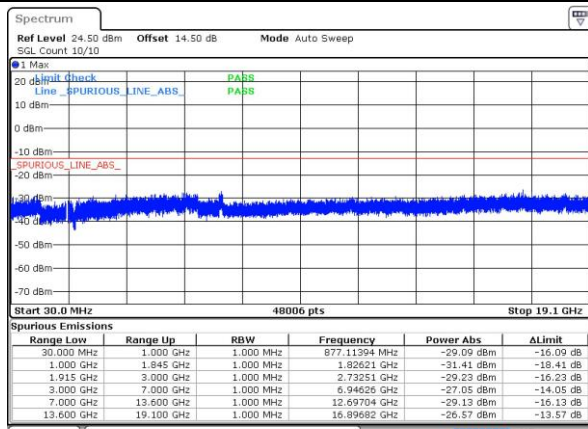


Date: 15 NOV 2017 23:47:52



GSM1900 (GSM)

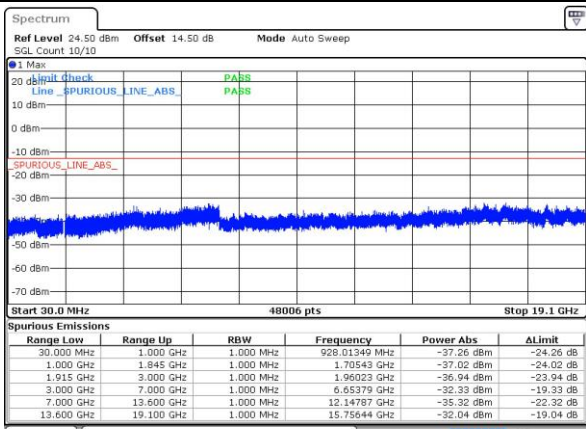
Lowest Channel



Date: 9 NOV 2017 00:15:04

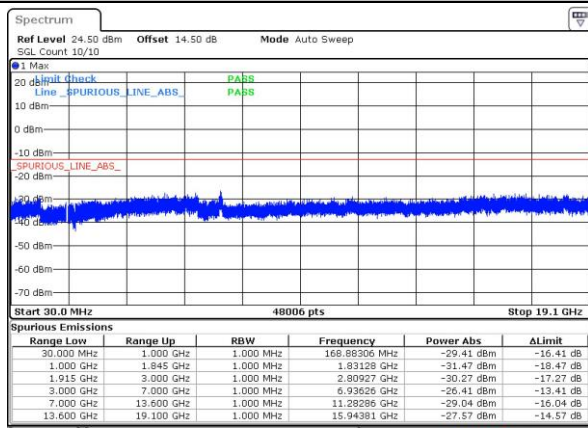
GSM1900 (EDGE class 8)

Lowest Channel

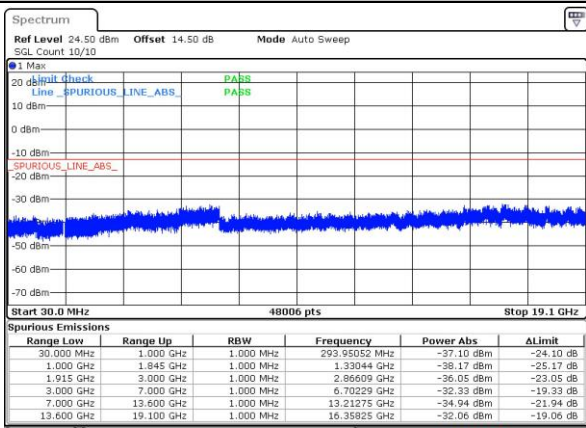


Date: 15 NOV 2017 23:38:33

Middle Channel

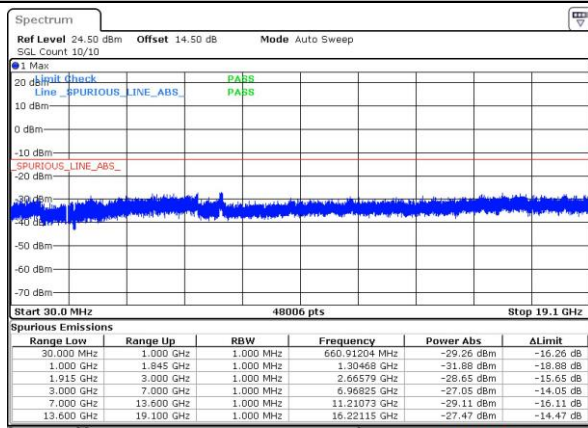


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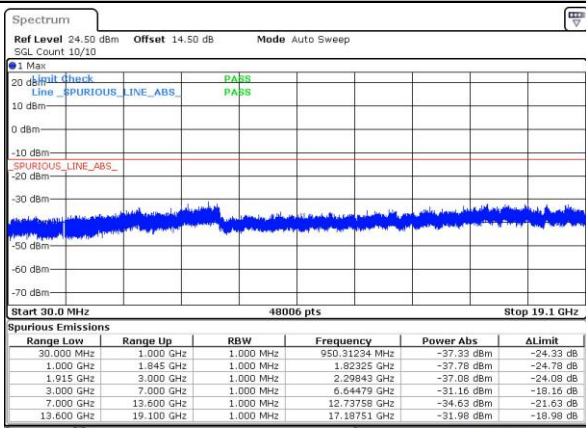


Date: 15 NOV 2017 23:39:55

Highest Channel



Date: 9 NOV 2017 00:20:00

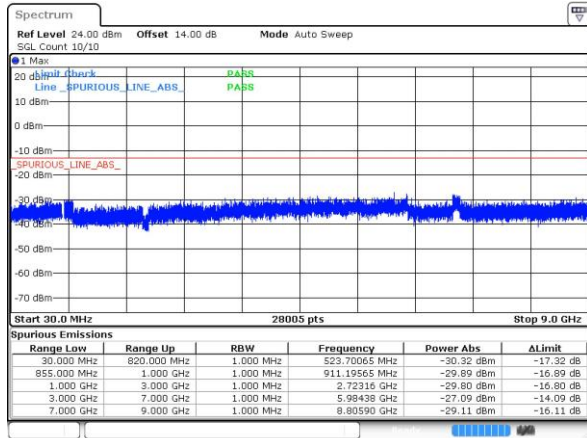


Date: 15 NOV 2017 23:41:20



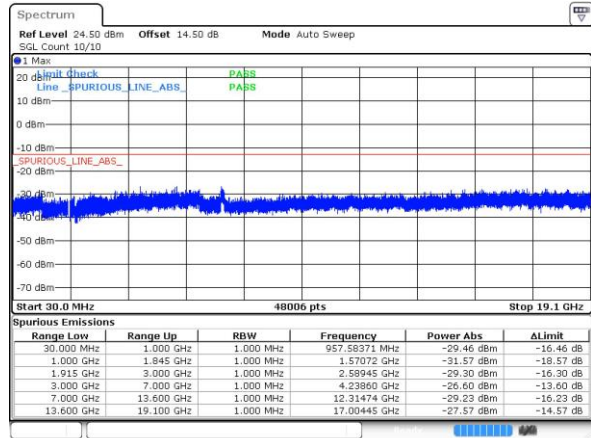
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

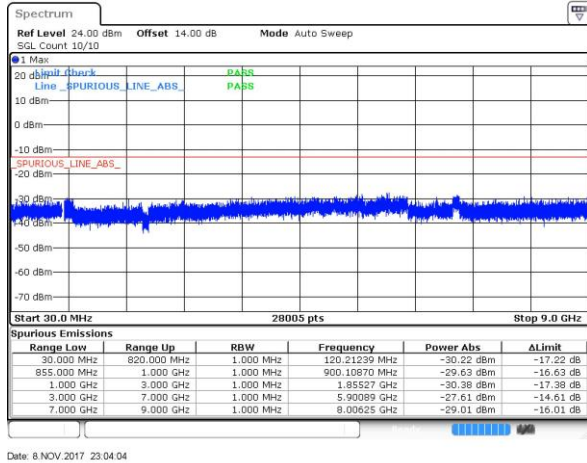


WCDMA Band II (RMC 12.2Kbps)

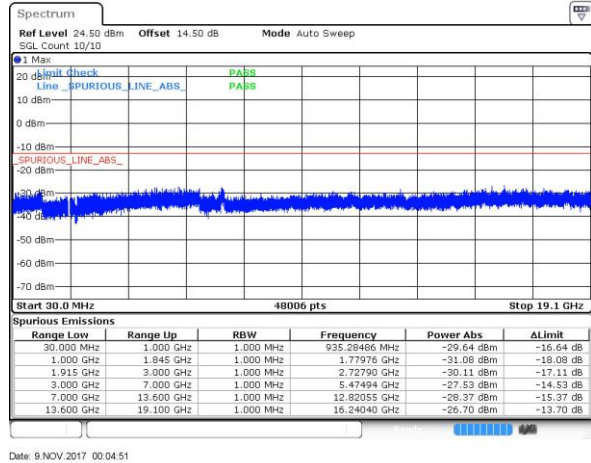
Lowest Channel



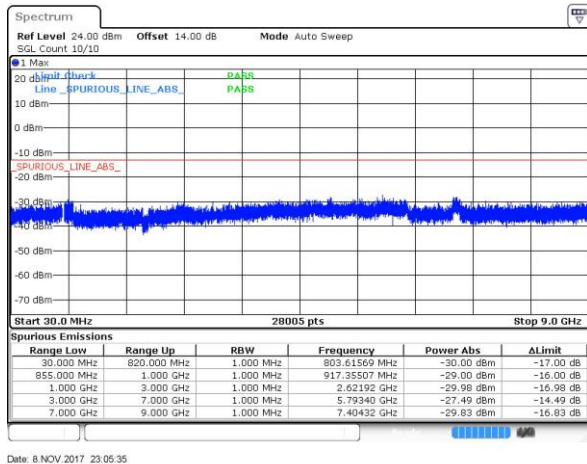
Middle Channel



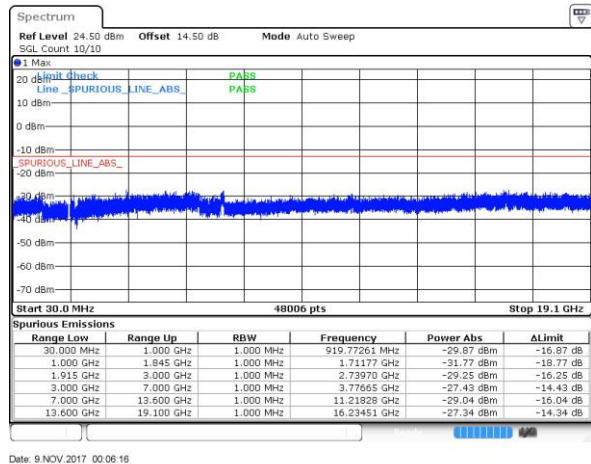
Middle Channel



Highest Channel



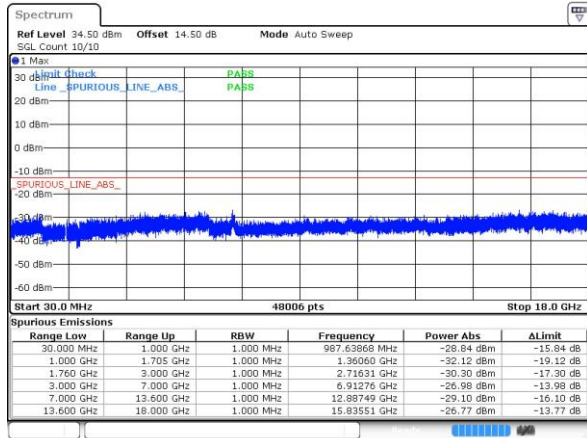
Highest Channel





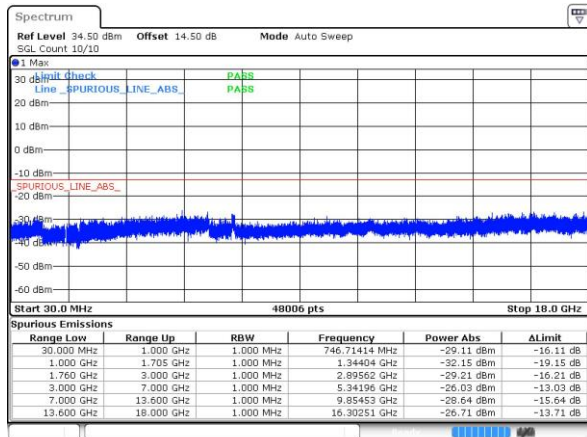
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



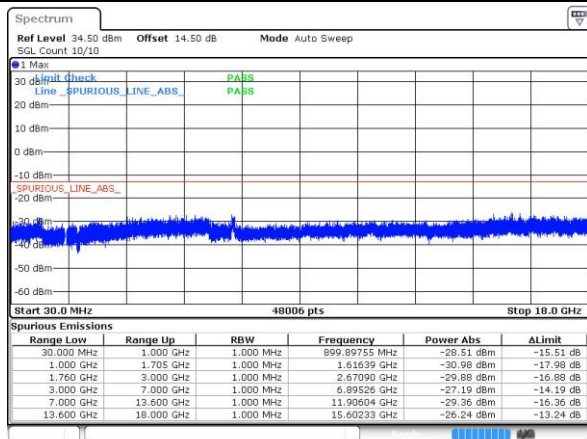
Date: 9 NOV 2017 00:08:30

Middle Channel



Date: 9 NOV 2017 00:09:53

Highest Channel



Date: 9 NOV 2017 00:11:14

**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	0.0013	0.0035	PASS
40	Normal Voltage	0.0008	0.0020	
30	Normal Voltage	0.0012	0.0026	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0016	0.0005	
0	Normal Voltage	0.0012	0.0001	
-10	Normal Voltage	0.0002	0.0025	
-20	Normal Voltage	0.0017	0.0050	
-30	Normal Voltage	0.0024	0.0078	
20	Maximum Voltage	0.0042	0.0060	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0006	0.0035	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0011	0.0027	PASS
40	Normal Voltage	0.0003	0.0014	
30	Normal Voltage	0.0007	0.0002	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0010	0.0003	
0	Normal Voltage	0.0021	0.0008	
-10	Normal Voltage	0.0011	0.0038	
-20	Normal Voltage	0.0038	0.0013	
-30	Normal Voltage	0.0029	0.0022	
20	Maximum Voltage	0.0028	0.0038	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0007	0.0009	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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	0.0011	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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 II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 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	-58.96	-13	-45.96	-66.09	-65.65	0.56	9.40	H
	2510	-51.78	-13	-38.78	-63.17	-59.49	0.74	10.60	H
	3346	-63.63	-13	-50.63	-76.91	-73.23	0.85	12.60	H
	1672	-60.93	-13	-47.93	-68.06	-67.62	0.56	9.40	V
	2510	-44.03	-13	-31.03	-55.02	-51.74	0.74	10.60	V
	3346	-63.35	-13	-50.35	-76.86	-72.95	0.85	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	-69.15	-13	-56.15	-76.28	-75.84	0.56	9.40	H
	2510	-61.90	-13	-48.90	-73.29	-69.61	0.74	10.60	H
	3346	-63.59	-13	-50.59	-76.87	-73.19	0.85	12.60	H
	1672	-68.62	-13	-55.62	-75.75	-75.31	0.56	9.40	V
	2510	-63.51	-13	-50.51	-74.50	-71.22	0.74	10.60	V
	3346	-63.85	-13	-50.85	-77.36	-73.45	0.85	12.60	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	-57.55	-13	-44.55	-72.83	-63.59	6.56	12.60	H
	5640	-53.75	-13	-40.75	-73.10	-58.85	8	13.10	H
	7520	-55.07	-13	-42.07	-78.66	-56.80	9.57	11.30	H
	3760	-59.03	-13	-46.03	-74.58	-65.07	6.56	12.6	V
	5640	-56.24	-13	-43.24	-76.16	-61.34	8	13.1	V
	7520	-55.02	-13	-42.02	-78.66	-56.75	9.57	11.3	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	-59.12	-13	-46.12	-74.40	-65.16	6.56	12.60	H
	5640	-59.89	-13	-46.89	-79.24	-64.99	8	13.10	H
	7520	-55.14	-13	-42.14	-78.73	-56.87	9.57	11.30	H
	3760	-61.94	-13	-48.94	-77.49	-67.98	6.56	12.6	V
	5640	-59.18	-13	-46.18	-79.1	-64.28	8	13.1	V
	7520	-54.66	-13	-41.66	-78.3	-56.39	9.57	11.3	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	-69.61	-13	-56.61	-76.74	-76.30	0.56	9.40	H
	2510	-65.69	-13	-52.69	-77.08	-73.40	0.74	10.60	H
	3346	-64.22	-13	-51.22	-77.50	-73.82	0.85	12.60	H
	1672	-69.65	-13	-56.65	-76.78	-76.34	0.56	9.40	V
	2510	-66.01	-13	-53.01	-77.00	-73.72	0.74	10.60	V
	3346	-64.03	-13	-51.03	-77.54	-73.63	0.85	12.60	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	-62.40	-13	-49.40	-77.68	-68.44	6.56	12.60	H
	5640	-59.88	-13	-46.88	-79.23	-64.98	8	13.10	H
	7520	-54.76	-13	-41.76	-78.35	-56.49	9.57	11.30	H
	3760	-61.81	-13	-48.81	-77.36	-67.85	6.56	12.6	V
	5640	-59.08	-13	-46.08	-79	-64.18	8	13.1	V
	7520	-55.07	-13	-42.07	-78.71	-56.80	9.57	11.3	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	3465.2	-62.91	-13	-49.91	-76.73	-69.33	6.18	12.60	H
	5197.8	-59.89	-13	-46.89	-79.22	-64.85	7.74	12.70	H
	6930.4	-56.59	-13	-43.59	-78.78	-59.29	9	11.70	H
	3465.2	-62.80	-13	-49.80	-76.98	-69.22	6.18	12.60	V
	5197.8	-59.02	-13	-46.02	-79.02	-63.98	7.74	12.70	V
	6930.4	-55.90	-13	-42.90	-78.62	-58.60	9	11.70	V

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