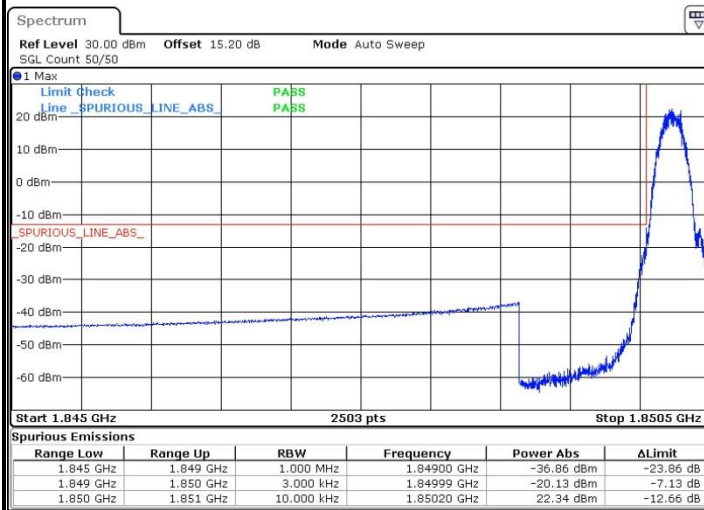


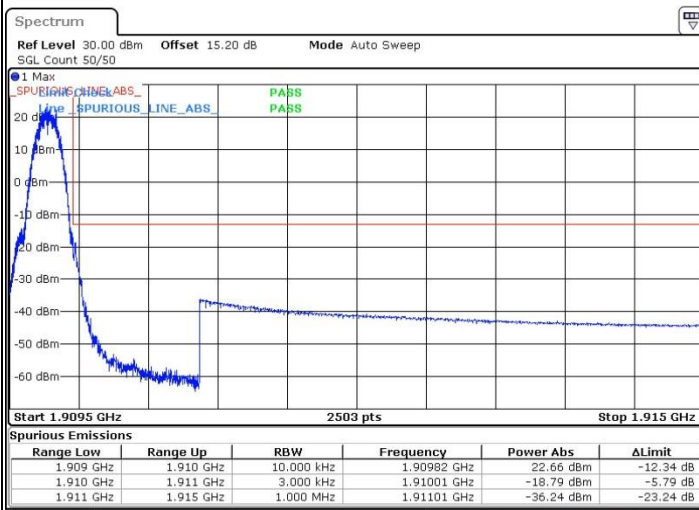


GSM1900 (GSM)

Lowest Band Edge

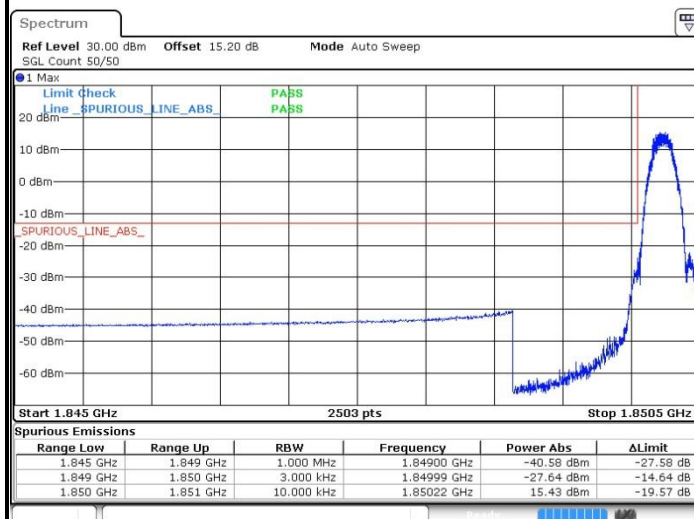


Highest Band Edge

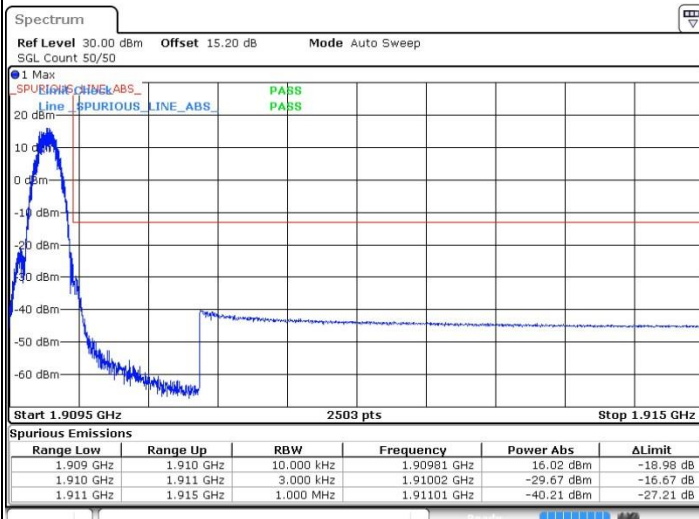


GSM1900 (EDGE class 8)

Lowest Band Edge



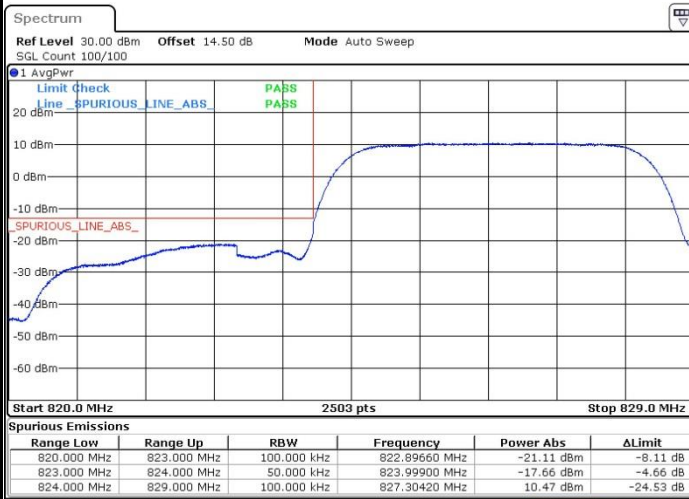
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

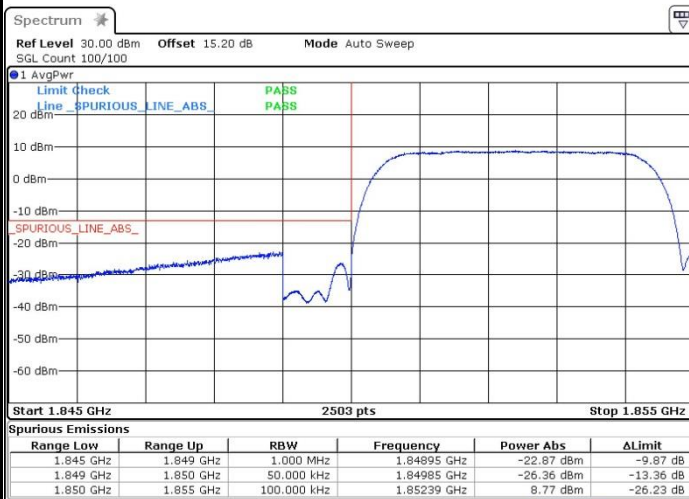


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



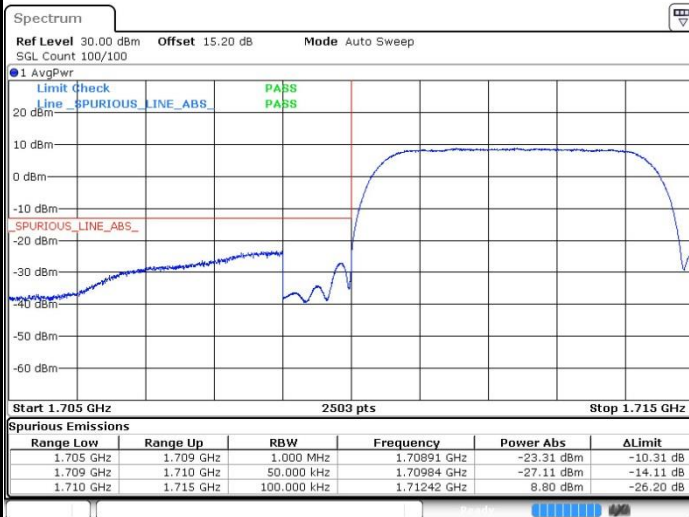
Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

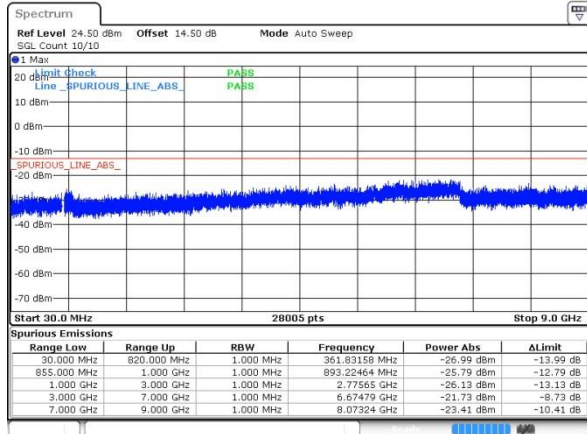




Conducted Spurious Emission

GSM850 (GSM)

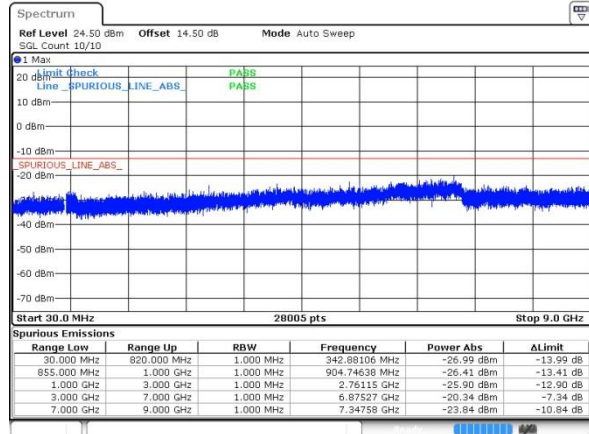
Lowest Channel



Date: 22 AUG 2017 18:22:06

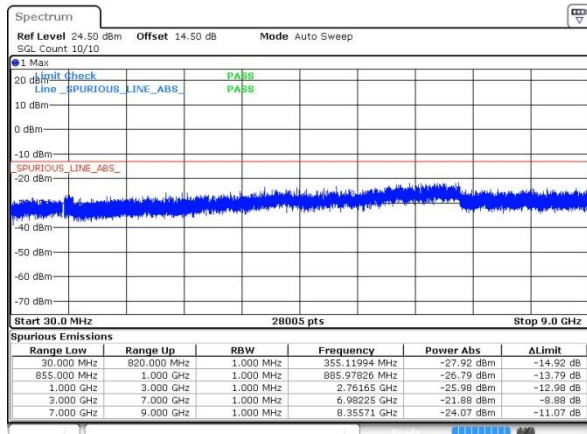
GSM850 (EDGE class 8)

Lowest Channel



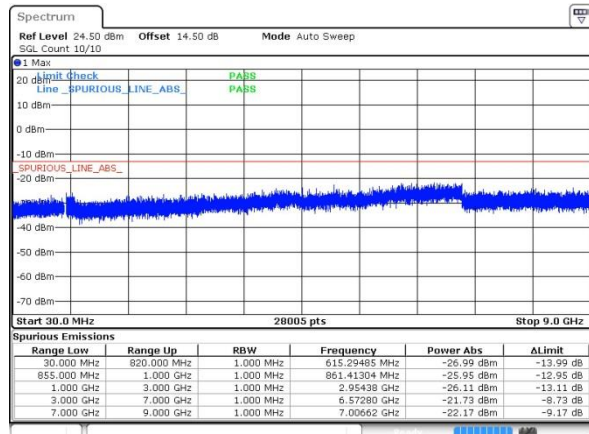
Date: 22 AUG 2017 18:54:08

Middle Channel



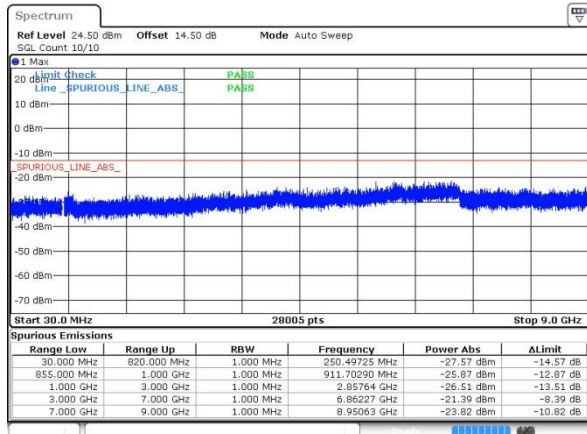
Date: 22 AUG 2017 18:23:42

Middle Channel



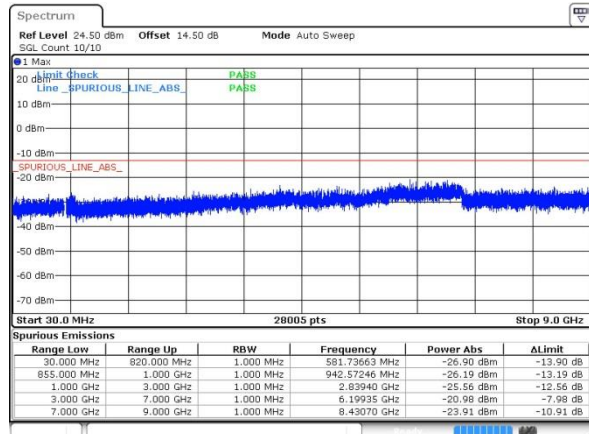
Date: 22 AUG 2017 18:55:26

Highest Channel



Date: 22 AUG 2017 18:25:08

Highest Channel

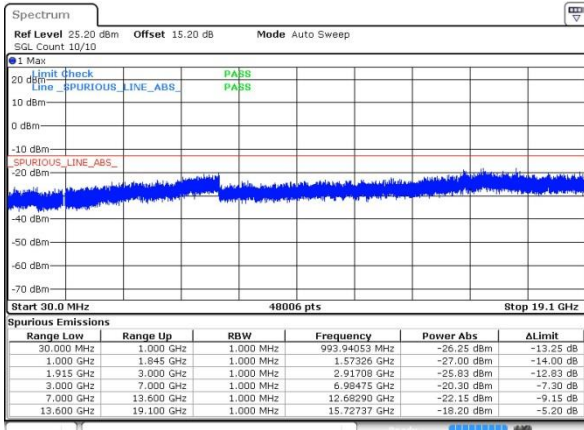


Date: 22 AUG 2017 18:56:45



GSM1900 (GSM)

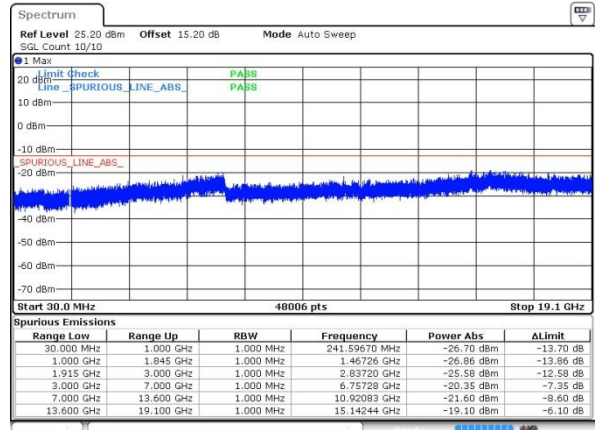
Lowest Channel



Date: 22 AUG 2017 19:18:17

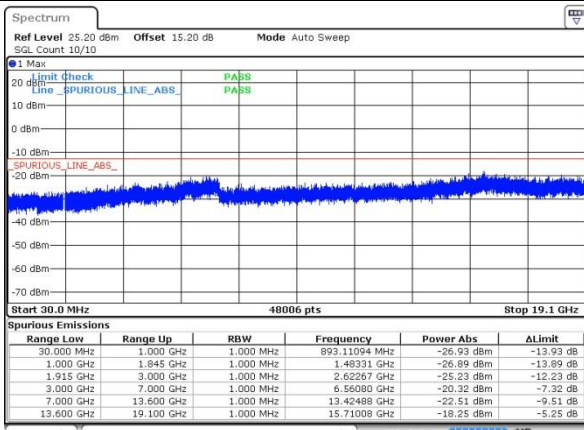
GSM1900 (EDGE class 8)

Lowest Channel



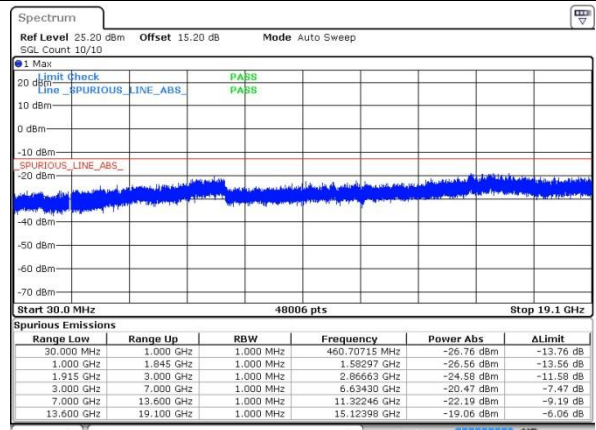
Date: 22 AUG 2017 19:36:47

Middle Channel



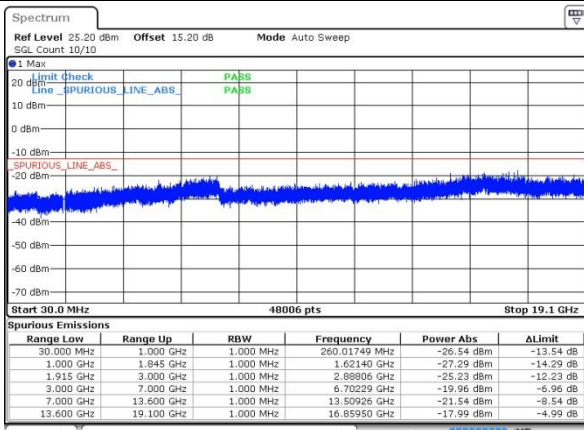
Date: 22 AUG 2017 19:19:40

Middle Channel



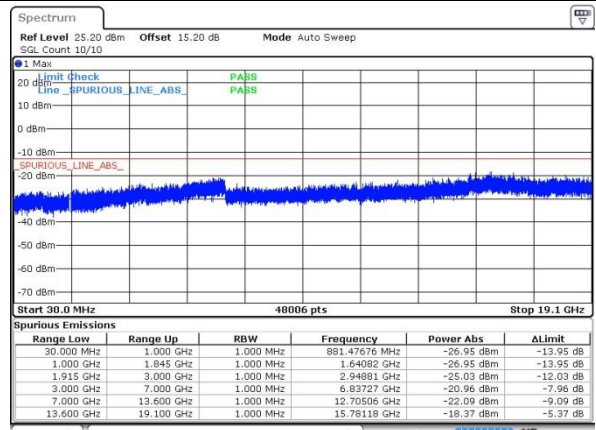
Date: 22 AUG 2017 19:38:18

Highest Channel



Date: 22 AUG 2017 19:21:04

Highest Channel

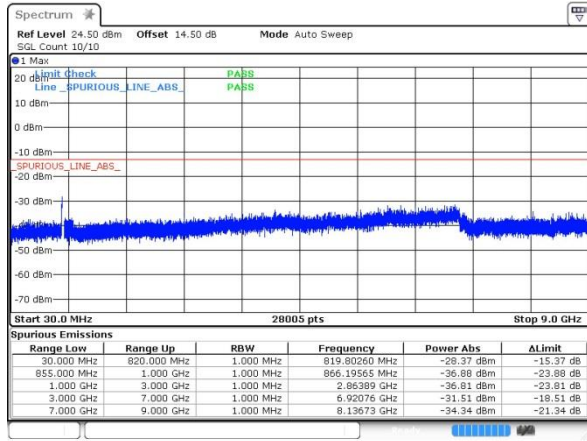


Date: 22 AUG 2017 19:40:06



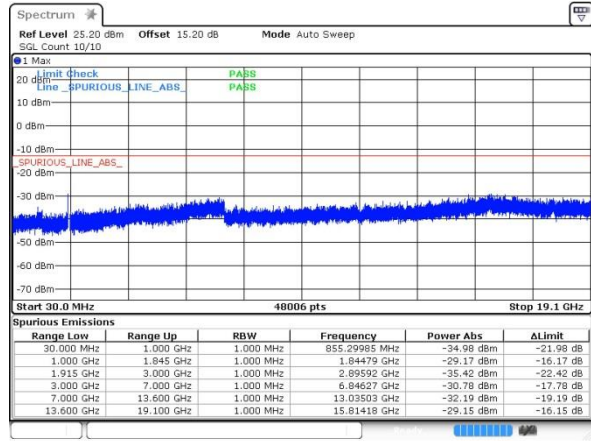
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

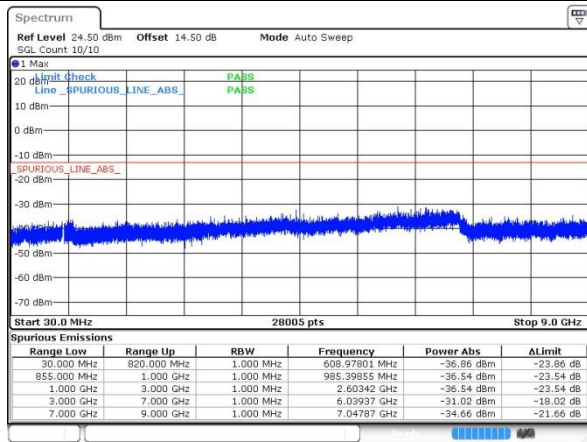


WCDMA Band II (RMC 12.2Kbps)

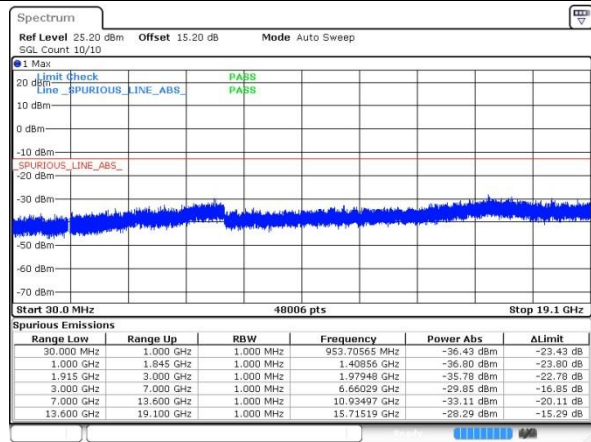
Lowest Channel



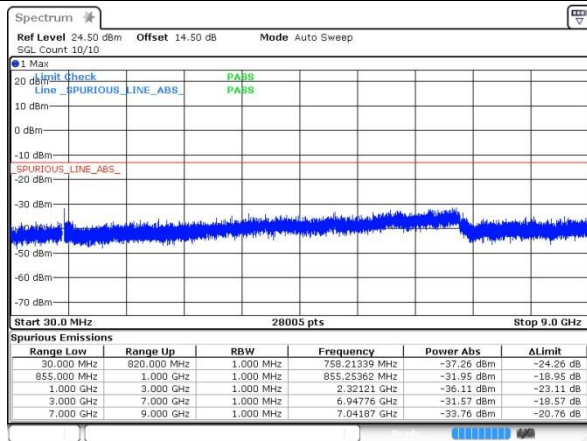
Middle Channel



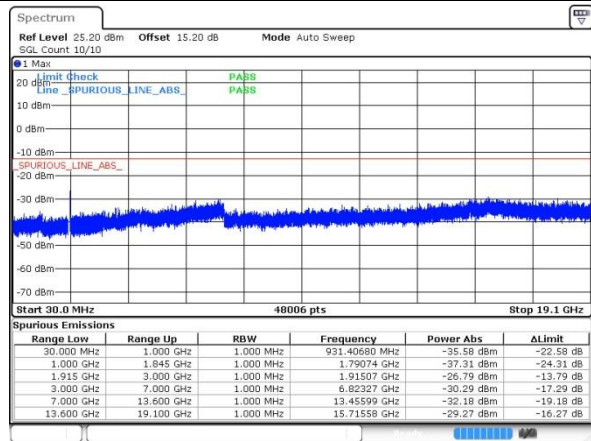
Middle Channel



Highest Channel



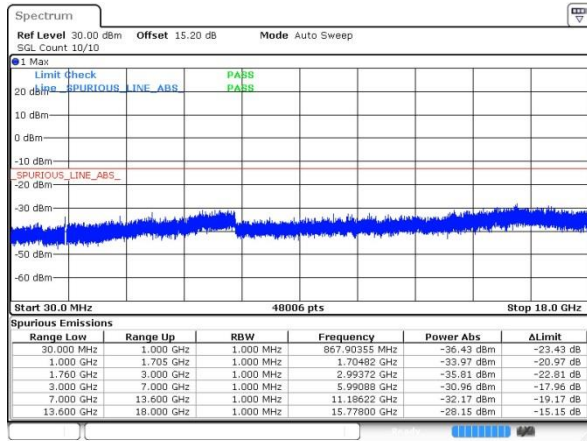
Highest Channel



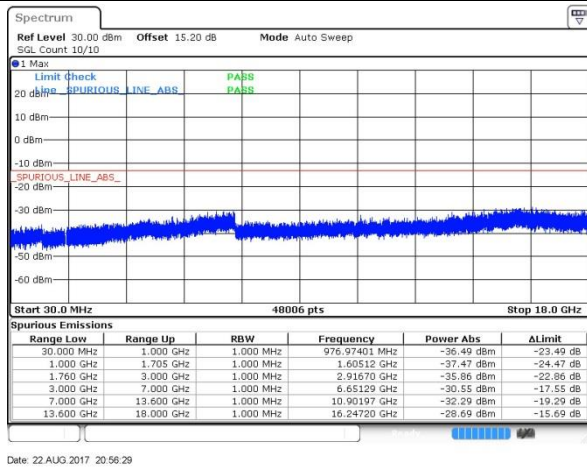


WCDMA Band IV (RMC 12.2Kbps)

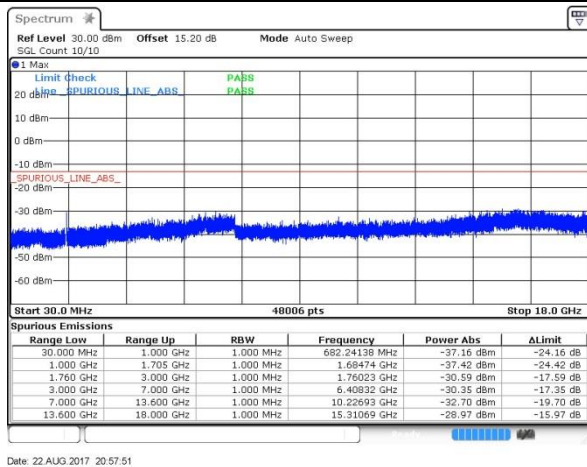
Lowest Channel



Middle 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	0.0036	0.0299	PASS
40	Normal Voltage	0.0012	0.0024	
30	Normal Voltage	0.0096	0.0359	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0048	0.0191	
0	Normal Voltage	0.0048	0.0263	
-10	Normal Voltage	0.0060	0.0347	
-20	Normal Voltage	0.0012	0.0371	
-30	Normal Voltage	0.0036	0.0311	
20	Maximum Voltage	0.0024	0.0347	
20	Normal Voltage	0.0084	0.0311	
20	Battery End Point	0.0072	0.0227	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.35V

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	0.0181	PASS
40	Normal Voltage	0.0005	0.0191	
30	Normal Voltage	0.0181	0.0053	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0027	0.0160	
0	Normal Voltage	0.0016	0.0016	
-10	Normal Voltage	0.0144	0.0191	
-20	Normal Voltage	0.0016	0.0021	
-30	Normal Voltage	0.0138	0.0202	
20	Maximum Voltage	0.0133	0.0181	
20	Normal Voltage	0.0122	0.0122	
20	Battery End Point	0.0037	0.0181	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.35V
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	0.0024	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0120	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0167	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0108	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0143	
20	Battery End Point	0.0096	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.35V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0043	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.35V
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	0.0115	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0092	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0087	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0081	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.35V
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	-53.93	-13	-40.93	-53.69	-55.79	1.19	5.20	H
	2508	-55.13	-13	-42.13	-58.12	-57.35	1.53	5.90	H
	3345	-67.25	-13	-54.25	-71.20	-70.04	1.76	6.70	H
	1672	-55.53	-13	-42.53	-53.4	-57.39	1.19	5.20	V
	2508	-57.27	-13	-44.27	-59.25	-59.49	1.53	5.90	V
	3345	-68.20	-13	-55.20	-71.52	-70.99	1.76	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	-63.53	-13	-50.53	-62.16	-65.39	1.19	5.20	H
	2510	-64.17	-13	-51.17	-67.16	-66.39	1.53	5.90	H
	3345	-66.30	-13	-53.30	-70.25	-69.09	1.76	6.70	H
	1672	-58.12	-13	-45.12	-56.08	-59.98	1.19	5.20	V
	2510	-64.64	-13	-51.64	-66.62	-66.86	1.53	5.90	V
	3345	-67.48	-13	-54.48	-70.8	-70.27	1.76	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	-61.82	-13	-48.82	-65.33	-66.81	1.88	6.87	H
	5640	-62.69	-13	-49.69	-70.88	-69.99	2.38	9.68	H
	7520	-63.24	-13	-50.24	-75.27	-72.31	2.74	11.81	H
	3760	-59.70	-13	-46.70	-63.49	-64.69	1.88	6.87	V
	5640	-62.58	-13	-49.58	-71.15	-69.88	2.38	9.68	V
	7520	-64.00	-13	-51.00	-74.71	-73.07	2.74	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	-67.41	-13	-54.41	-70.92	-72.40	1.88	6.87	H
	5640	-65.40	-13	-52.40	-73.59	-72.70	2.38	9.68	H
	7520	-63.23	-13	-50.23	-75.26	-72.30	2.74	11.81	H
	3760	-66.20	-13	-53.20	-69.99	-71.19	1.88	6.87	V
	5640	-65.31	-13	-52.31	-73.88	-72.61	2.38	9.68	V
	7520	-63.90	-13	-50.90	-74.61	-72.97	2.74	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	1670	-64.07	-13	-51.07	-62.70	-65.93	1.19	5.20	H
	2509	-64.82	-13	-51.82	-67.81	-67.04	1.53	5.90	H
	3345	-66.24	-13	-53.24	-70.19	-69.03	1.76	6.70	H
	1672	-67.47	-13	-54.47	-65.43	-69.33	1.19	5.20	V
	2512	-61.60	-13	-48.60	-63.58	-63.82	1.53	5.90	V
	3345	-66.82	-13	-53.82	-70.14	-69.61	1.76	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	-64.56	-13	-51.56	-68.07	-69.55	1.88	6.87	H
	5640	-61.93	-13	-48.93	-70.12	-69.23	2.38	9.68	H
	7520	-62.95	-13	-49.95	-74.98	-72.02	2.74	11.81	H
	3760	-65.25	-13	-52.25	-69.04	-70.24	1.88	6.87	V
	5640	-64.52	-13	-51.52	-73.09	-71.82	2.38	9.68	V
	7520	-64.57	-13	-51.57	-75.28	-73.64	2.74	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	-62.38	-13	-49.38	-69.17	-67.27	1.81	6.70	H
	5199	-60.32	-13	-47.32	-73.00	-67.22	2.23	9.13	H
	6930	-60.08	-13	-47.08	-75.26	-68.14	2.60	10.66	H
	3465	-58.91	-13	-45.91	-64.11	-63.80	1.81	6.70	V
	5199	-58.90	-13	-45.90	-72.45	-65.80	2.23	9.13	V
	6930	-60.10	-13	-47.10	-75.15	-68.16	2.6	10.66	V

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