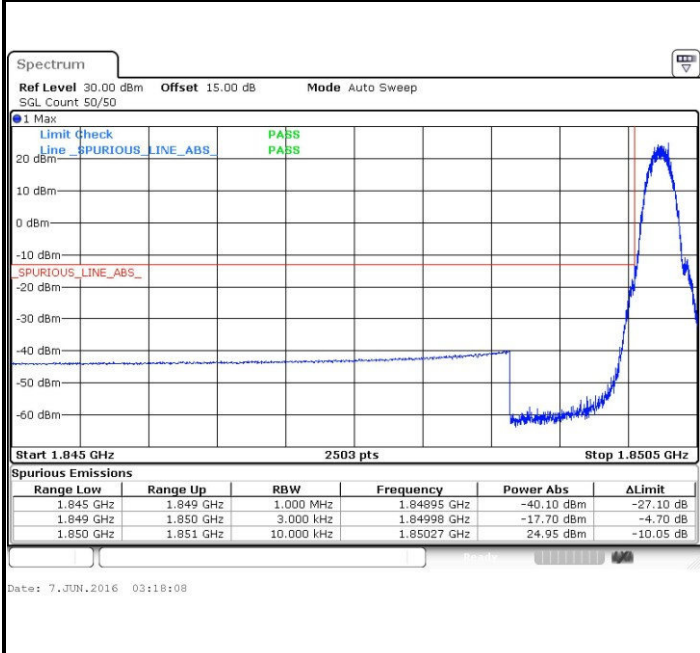


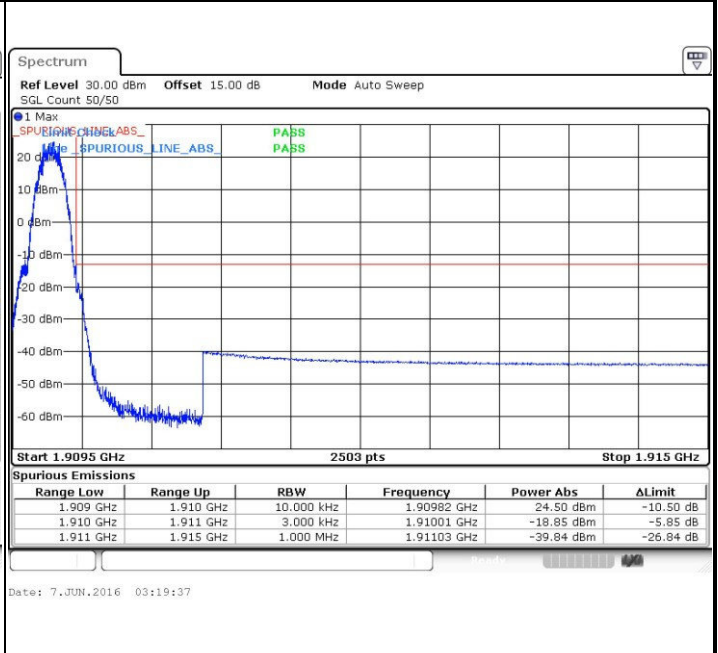


GSM1900 (GSM)

Lowest Band Edge

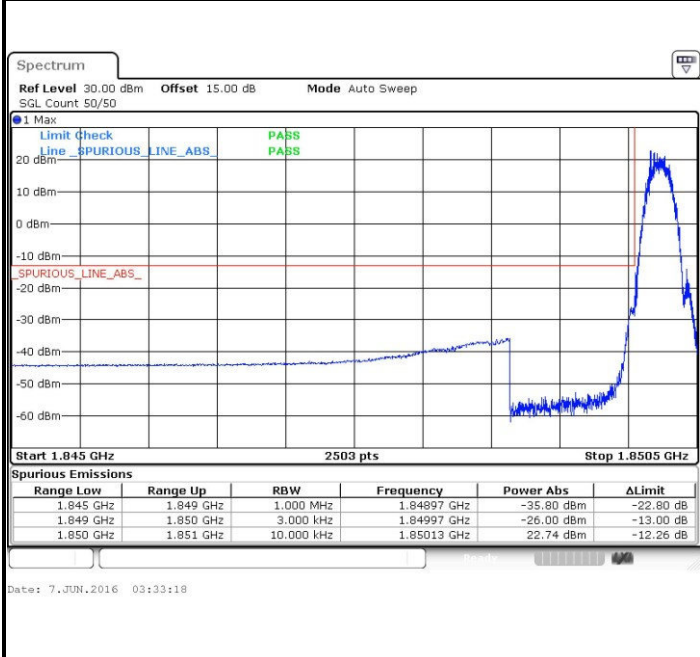


Highest Band Edge

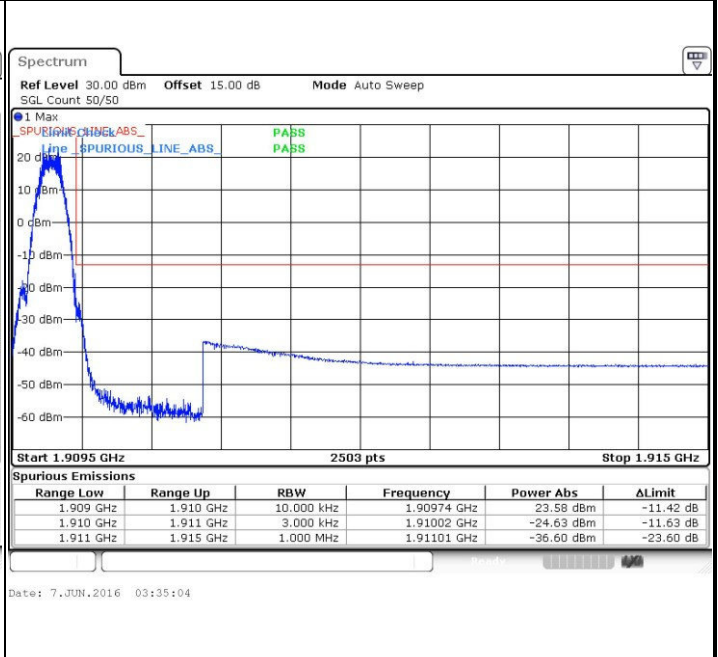


GSM1900 (EDGE class 8)

Lowest Band Edge



Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 7. JUN. 2016 04:19:20

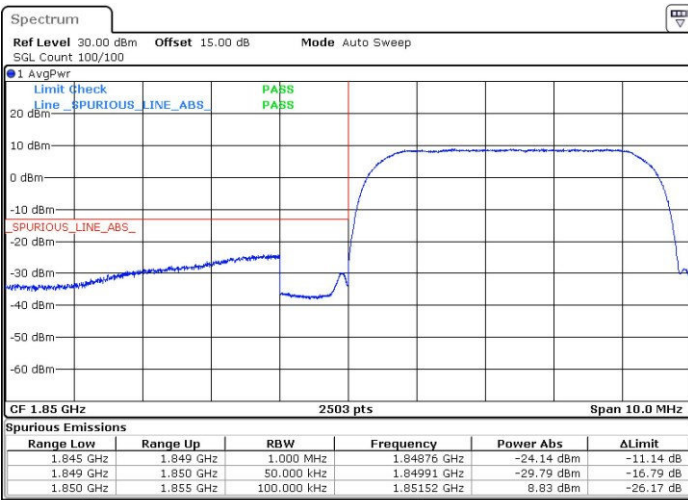


Date: 7. JUN. 2016 04:22:02

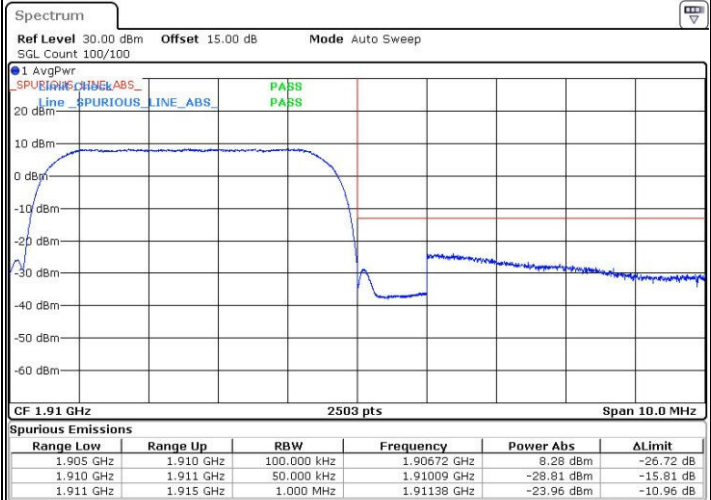
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 7. JUN. 2016 03:49:27



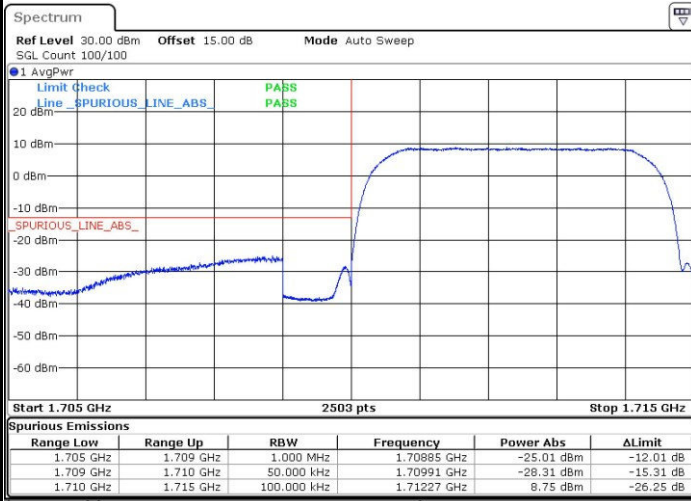
Date: 7. JUN. 2016 03:52:12



WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

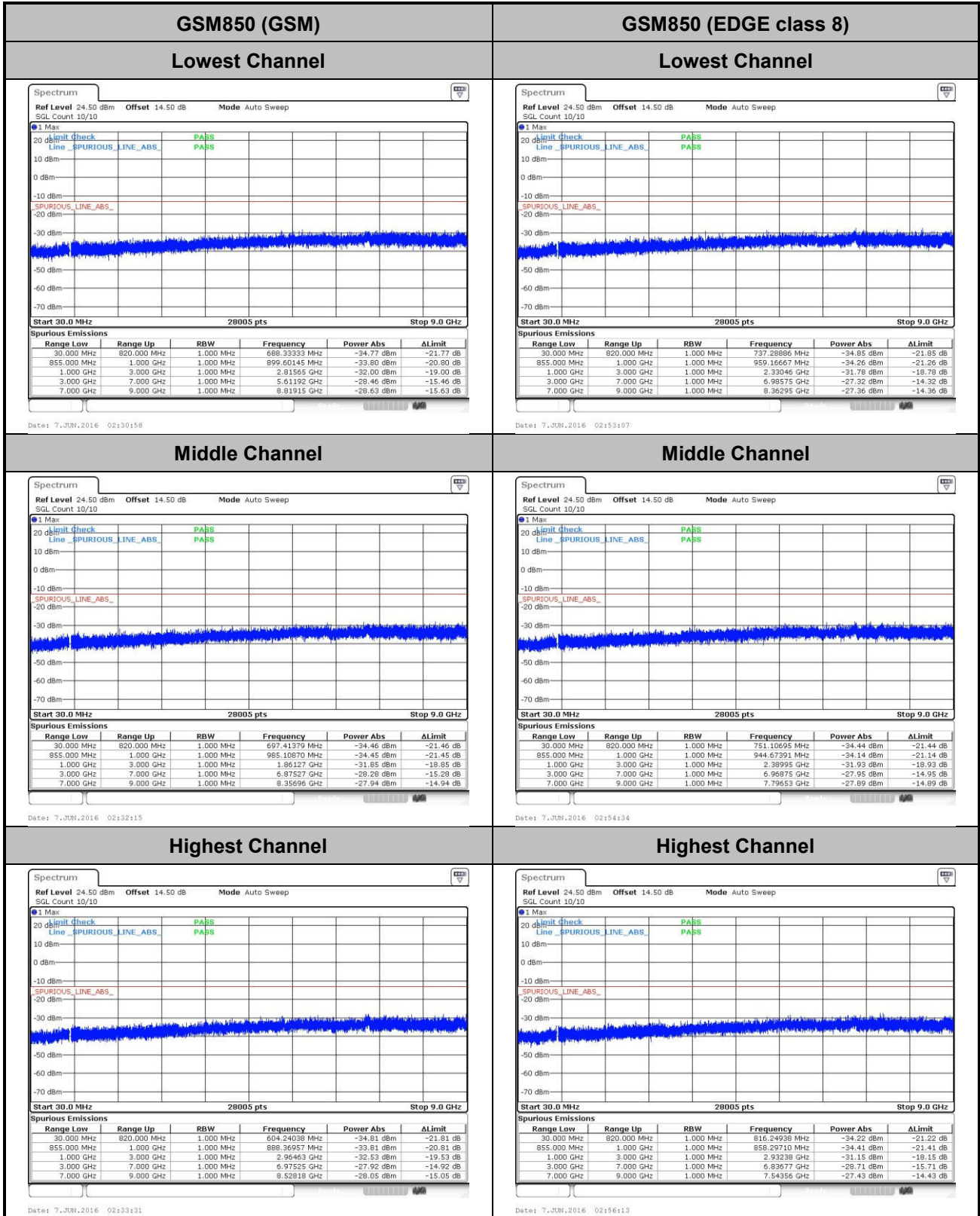


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Date: 7.JUN.2016 04:09:30



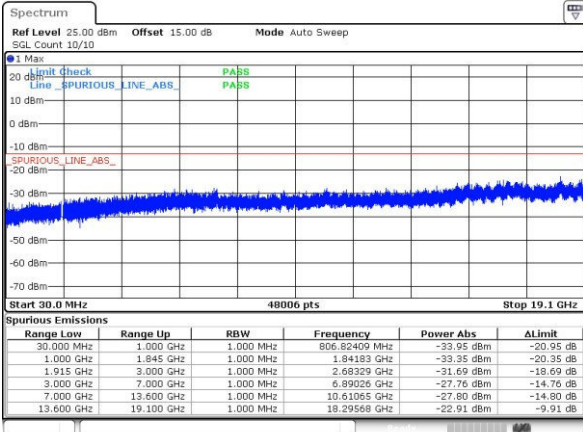
Conducted Spurious Emission





GSM1900 (GSM)

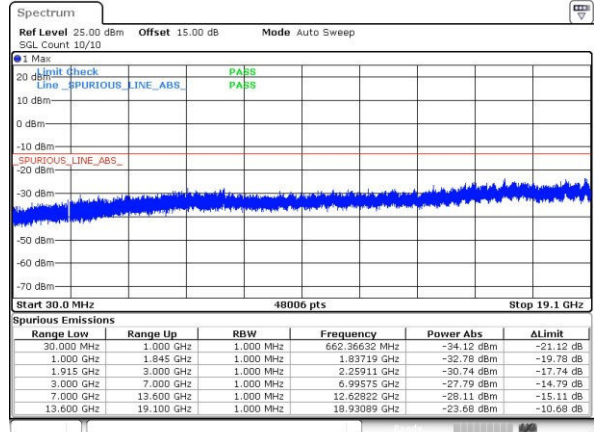
Lowest Channel



Date: 7 JUN 2016 03:22:59

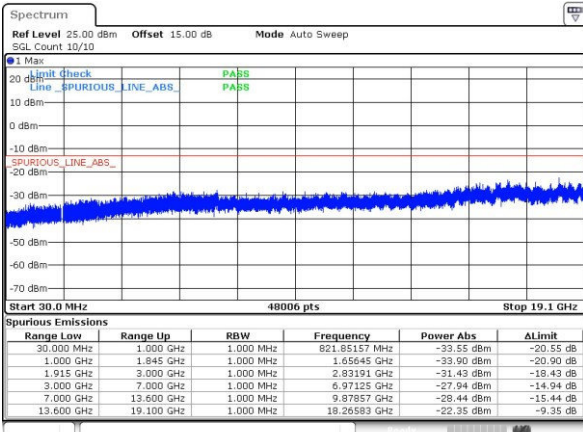
GSM1900 (EDGE class 8)

Lowest Channel



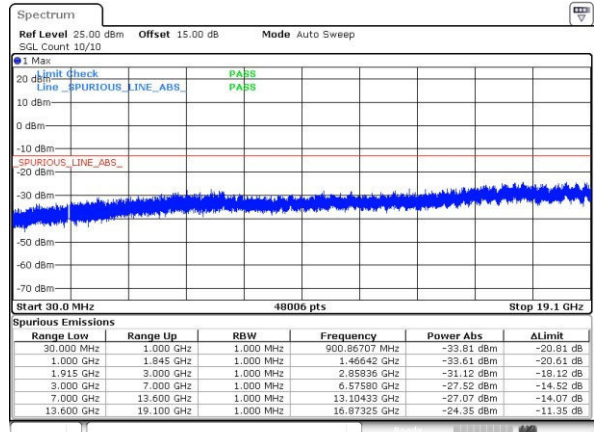
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Middle Channel



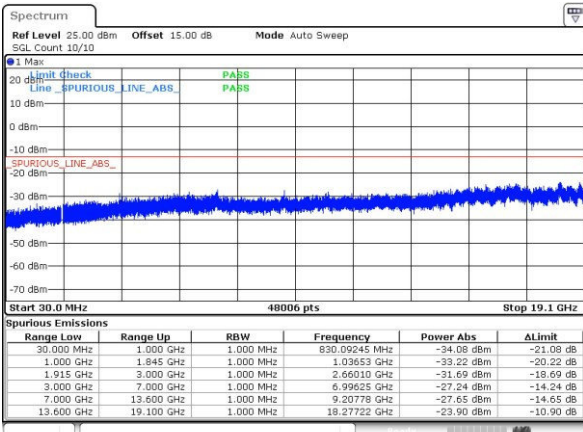
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Middle Channel



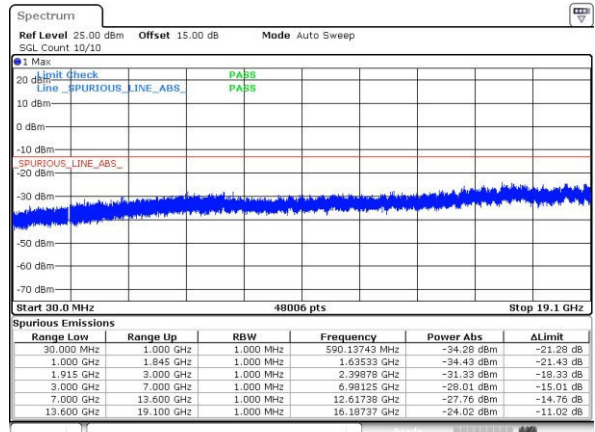
Date: 7 JUN 2016 03:30:00

Highest Channel



Date: 7 JUN 2016 03:25:34

Highest Channel

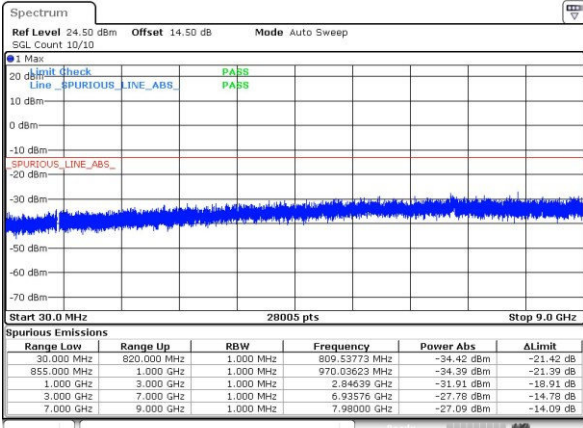


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WCDMA Band V (RMC 12.2Kbps)

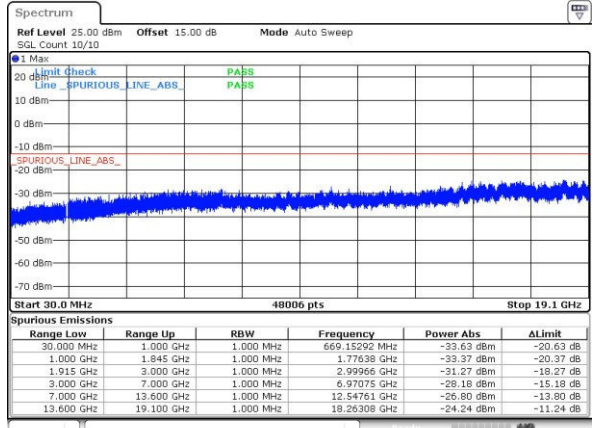
Lowest Channel



Date: 7 JUN 2016 04:24:29

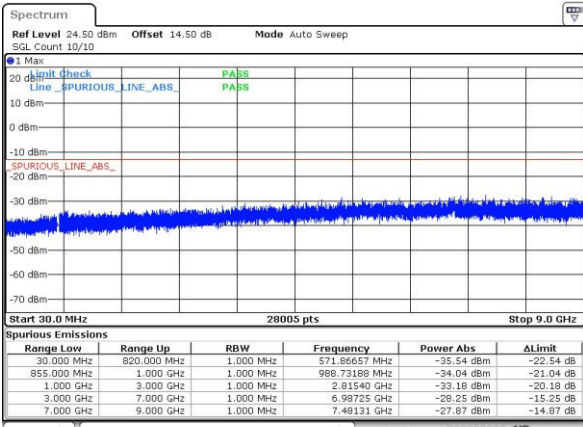
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



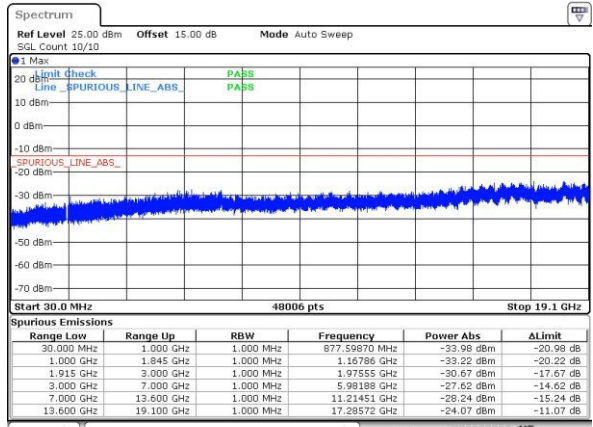
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Middle Channel



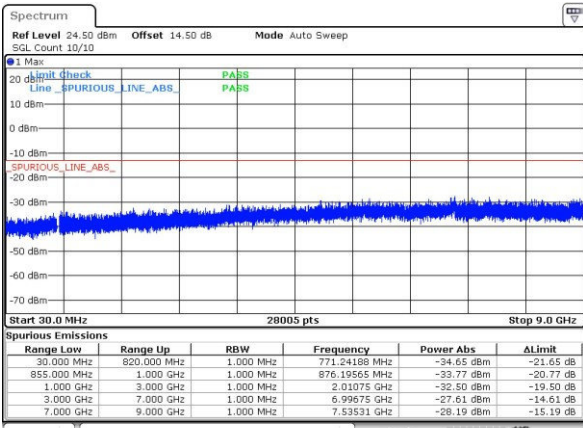
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Middle Channel



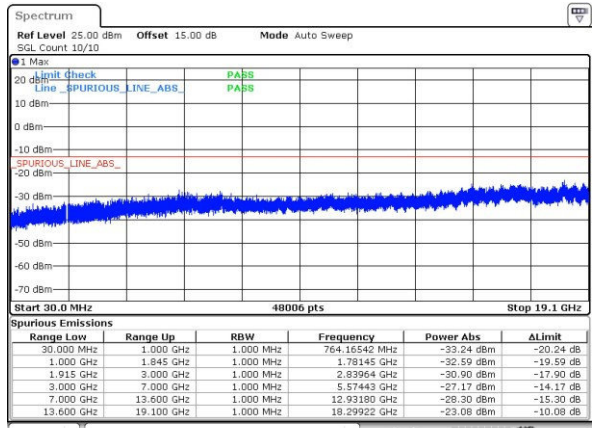
Date: 7 JUN 2016 03:56:20

Highest Channel



Date: 7 JUN 2016 04:27:04

Highest Channel

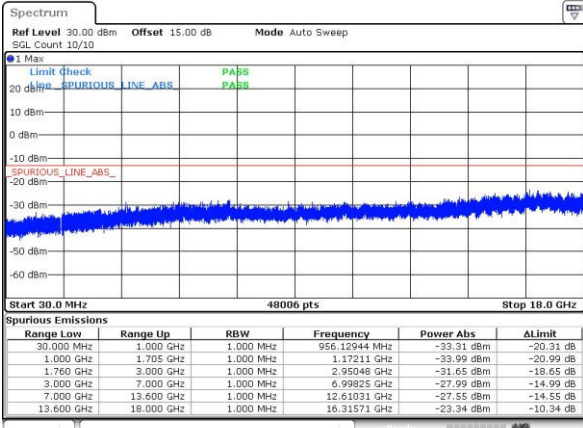


Date: 7 JUN 2016 03:57:38



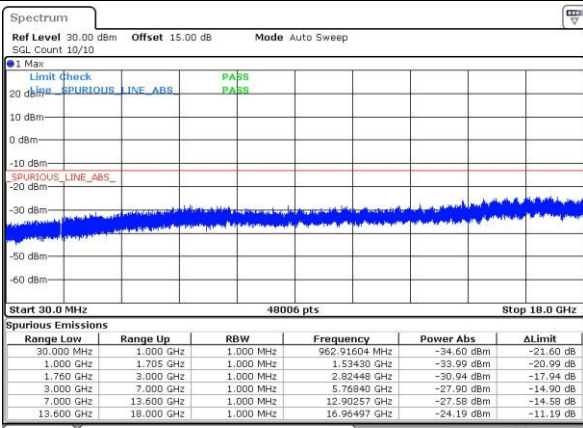
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



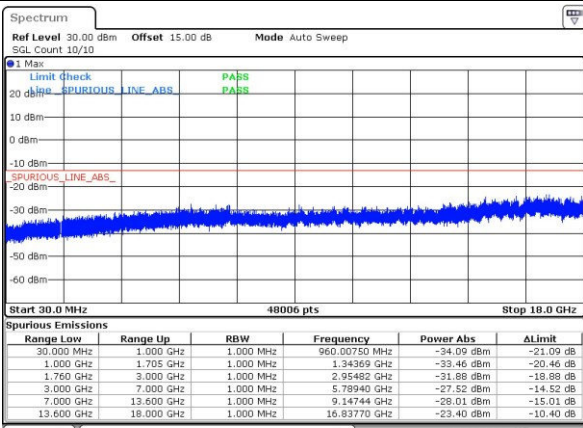
Date: 7 JUN 2016 04:00:27

Middle Channel



Date: 7 JUN 2016 04:01:45

Highest Channel



Date: 7 JUN 2016 04:03:02



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	0.0048	0.0108	PASS
40	Normal Voltage	0.0012	0.0084	
30	Normal Voltage	0.0024	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0395	0.0036	
0	Normal Voltage	0.0359	0.0371	
-10	Normal Voltage	0.0084	0.0048	
-20	Normal Voltage	0.0060	0.0036	
-30	Normal Voltage	0.0012	0.0060	
20	Maximum Voltage	0.0048	0.0012	
20	Normal Voltage	0.0084	0.0048	
20	Battery End Point	0.0036	0.0000	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0021	0.0027	PASS
40	Normal Voltage	0.0011	0.0154	
30	Normal Voltage	0.0170	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0011	0.0011	
0	Normal Voltage	0.0032	0.0000	
-10	Normal Voltage	0.0154	0.0016	
-20	Normal Voltage	0.0021	0.0011	
-30	Normal Voltage	0.0032	0.0032	
20	Maximum Voltage	0.0005	0.0000	
20	Normal Voltage	0.0016	0.0016	
20	Battery End Point	0.0032	0.0005	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 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	0.0084	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0275	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0060	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0012	

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	0.0021	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0085	
20	Normal Voltage	0.0074	
20	Battery End Point	0.0080	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 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	0.0029	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 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.



Appendix B. Test Results of Radiated Test

ERP/EIRP

Channel	Mode	Horizontal		Vertical	
		ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	GSM850 GSM	21.20	0.1318	12.63	0.0183
Middle		21.42	0.1386	13.01	0.0200
Highest		21.74	0.1493	13.83	0.0242
Lowest	GSM850 EDGE class 8	16.18	0.0415	7.71	0.0059
Middle		16.55	0.0452	8.04	0.0064
Highest		16.83	0.0482	8.59	0.0072
Lowest	WCDMA Band V RMC 12.2Kbps	9.72	0.0094	1.55	0.0014
Middle		10.24	0.0106	2.15	0.0016
Highest		11.16	0.0130	3.43	0.0022
Limit	ERP < 7W	Result		PASS	



Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GSM	28.35	0.6839	28.69	0.7396
Middle		28.54	0.7149	28.96	0.7863
Highest		27.95	0.6237	27.90	0.6166
Lowest	GSM1900 EDGE class 8	24.70	0.2951	24.91	0.3097
Middle		24.92	0.3105	24.94	0.3119
Highest		24.13	0.2588	24.25	0.2661
Lowest	WCDMA Band II RMC 12.2Kbps	21.68	0.1472	21.61	0.1449
Middle		21.73	0.1490	21.57	0.1437
Highest		20.85	0.1216	20.83	0.1211
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV RMC 12.2Kbps	19.92	0.0982	20.02	0.1005
Middle		20.43	0.1103	20.50	0.1122
Highest		20.59	0.1146	20.38	0.1091
Limit	EIRP < 1W	Result		PASS	



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	-43.47	-13	-30.47	-49.11	-50.16	0.56	9.40	H
	2510	-53.93	-13	-40.93	-59.67	-61.64	0.74	10.60	H
	3346	-57.56	-13	-44.56	-66.37	-67.16	0.85	12.60	H
	4182	-49.76	-13	-36.76	-61.28	-59.32	0.89	12.60	H
	1672	-44.81	-13	-31.81	-49.58	-51.50	0.56	9.40	V
	2510	-51.82	-13	-38.82	-57.71	-59.53	0.74	10.60	V
	3346	-57.54	-13	-44.54	-65.68	-67.14	0.85	12.60	V
	4182	-52.82	-13	-39.82	-63.94	-62.38	0.89	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	-44.41	-13	-31.41	-49.92	-51.10	0.56	9.40	H
	2510	-53.92	-13	-40.92	-59.66	-61.63	0.74	10.60	H
	3346	-57.85	-13	-44.85	-66.66	-67.45	0.85	12.60	H
	4182	-51.35	-13	-38.35	-62.87	-60.91	0.89	12.60	H
	1672	-46.71	-13	-33.71	-51.01	-53.40	0.56	9.40	V
	2510	-61.54	-13	-48.54	-67.12	-69.25	0.74	10.60	V
	3346	-58.18	-13	-45.18	-66.32	-67.78	0.85	12.60	V
	4182	-55.67	-13	-42.67	-66.79	-65.23	0.89	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	-48.68	-13	-35.68	-62.23	-54.72	6.56	12.60	H
	5640	-37.83	-13	-24.83	-54.92	-42.93	8	13.10	H
	7520	-48.73	-13	-35.73	-67.47	-50.46	9.57	11.30	H
	3760	-49.13	-13	-36.13	-62.48	-55.17	6.56	12.6	V
	5640	-41.18	-13	-28.18	-58.53	-46.28	8	13.1	V
	7520	-49.64	-13	-36.64	-68.04	-51.37	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	-48.90	-13	-35.90	-62.45	-54.94	6.56	12.60	H
	5640	-44.78	-13	-31.78	-60.72	-49.88	8	13.10	H
	7520	-47.43	-13	-34.43	-66.17	-49.16	9.57	11.30	H
	3760	-48.94	-13	-35.94	-62.29	-54.98	6.56	12.6	V
	5640	-46.39	-13	-33.39	-63.74	-51.49	8	13.1	V
	7520	-48.31	-13	-35.31	-66.71	-50.04	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	-59.63	-13	-46.63	-62.46	-66.32	0.56	9.40	H
	2510	-61.68	-13	-48.68	-67.42	-69.39	0.74	10.60	H
	3346	-57.09	-13	-44.09	-65.90	-66.69	0.85	12.60	H
	1672	-64.30	-13	-51.30	-65.96	-70.99	0.56	9.40	V
	2510	-61.61	-13	-48.61	-67.19	-69.32	0.74	10.60	V
	3346	-58.34	-13	-45.34	-66.48	-67.94	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	-46.28	-13	-33.28	-59.83	-52.32	6.56	12.60	H
	5640	-44.72	-13	-31.72	-60.66	-49.82	8	13.10	H
	7520	-48.77	-13	-35.77	-67.51	-50.50	9.57	11.30	H
	3760	-50.33	-13	-37.33	-63.68	-56.37	6.56	12.6	V
	5640	-48.19	-13	-35.19	-65.54	-53.29	8	13.1	V
	7520	-49.25	-13	-36.25	-67.65	-50.98	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	-43.90	-13	-30.90	-58.65	-50.32	6.18	12.60	H
	5197.5	-47.85	-13	-34.85	-65.85	-52.81	7.74	12.70	H
	6930	-48.24	-13	-35.24	-67.05	-50.94	9	11.70	H
	3465	-50.21	-13	-37.21	-61.16	-56.63	6.18	12.60	V
	5197.5	-54.73	-13	-41.73	-67.73	-59.69	7.74	12.70	V
	6930	-51.20	-13	-38.20	-67.91	-53.90	9	11.70	V

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