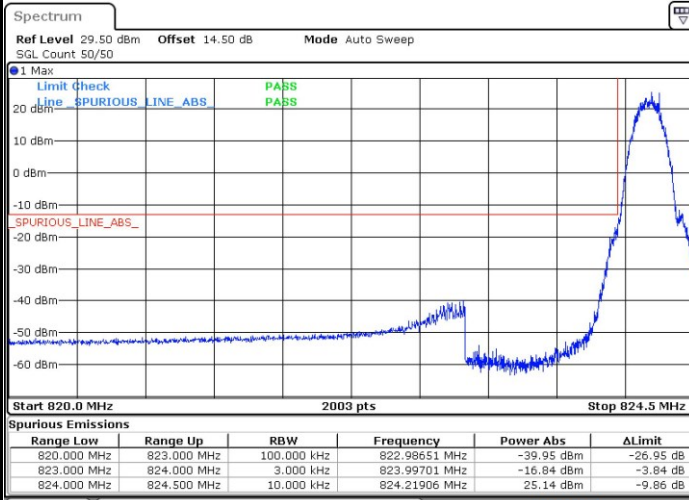


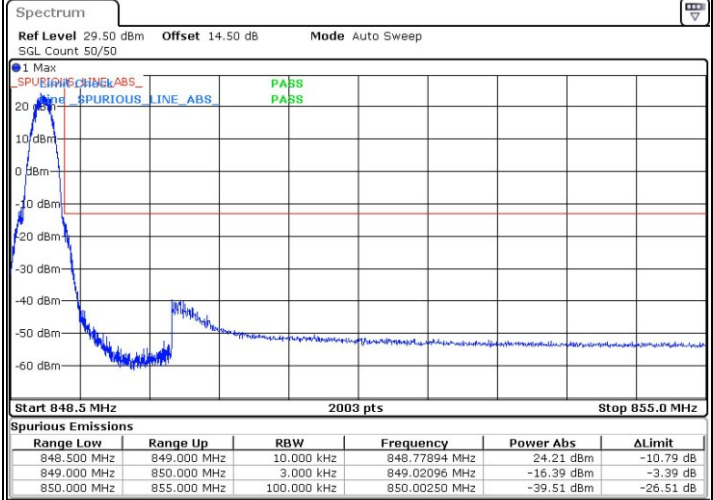


GSM850 (GSM)

Lowest Band Edge

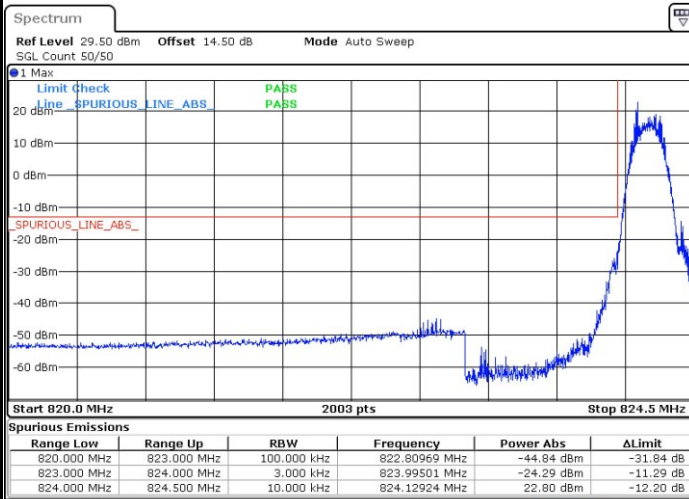


Highest Band Edge

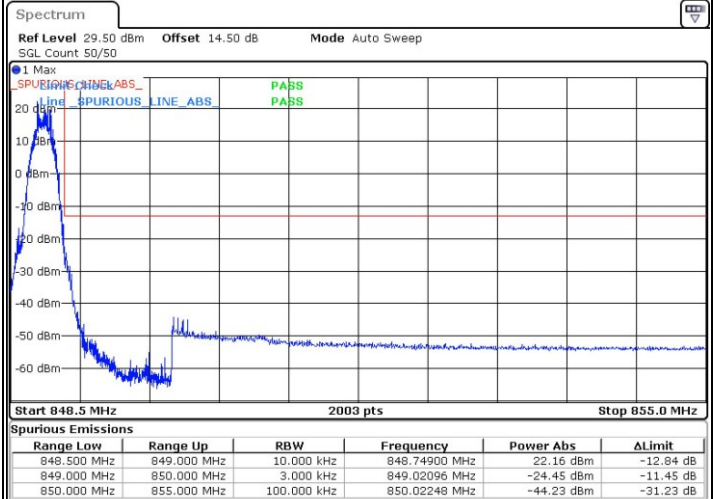


GSM850 (EDGE class 8)

Lowest Band Edge



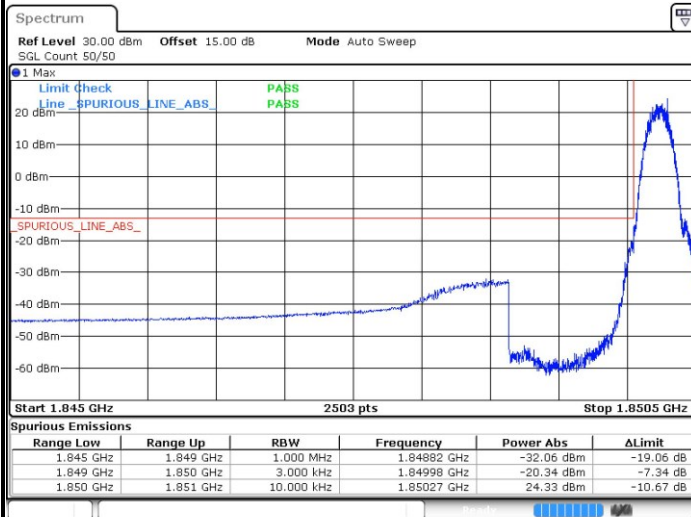
Highest Band Edge



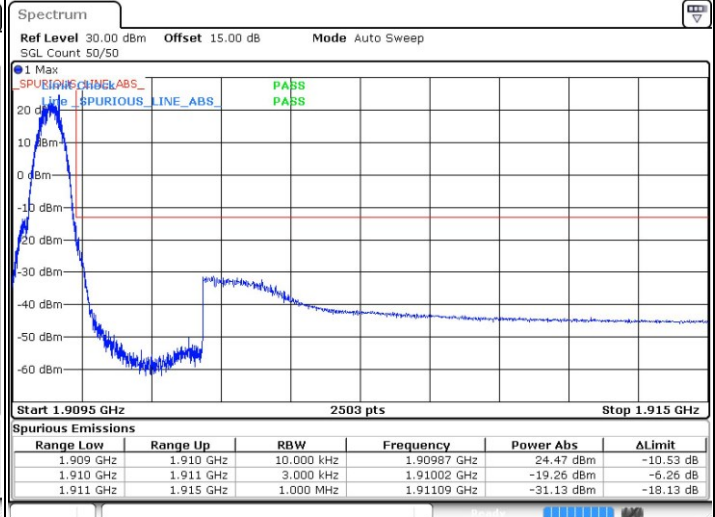


GSM1900 (GSM)

Lowest Band Edge

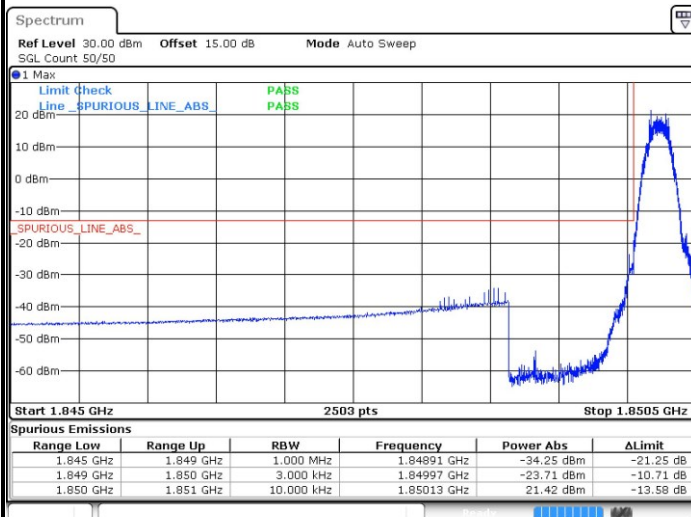


Highest Band Edge

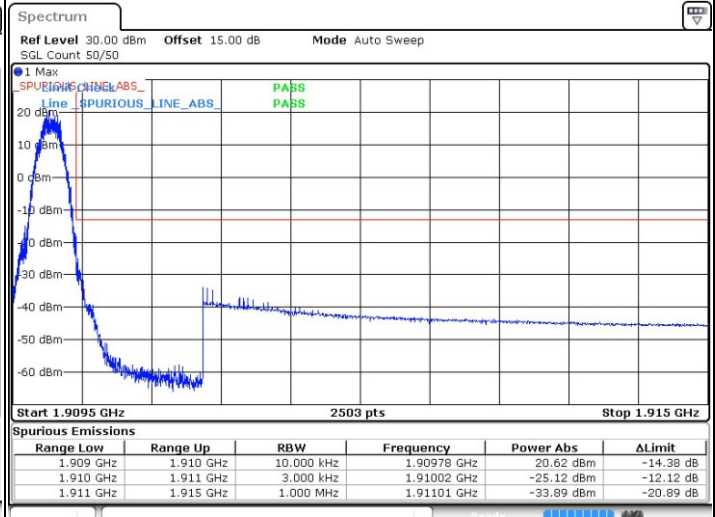


GSM1900 (EDGE class 8)

Lowest Band Edge



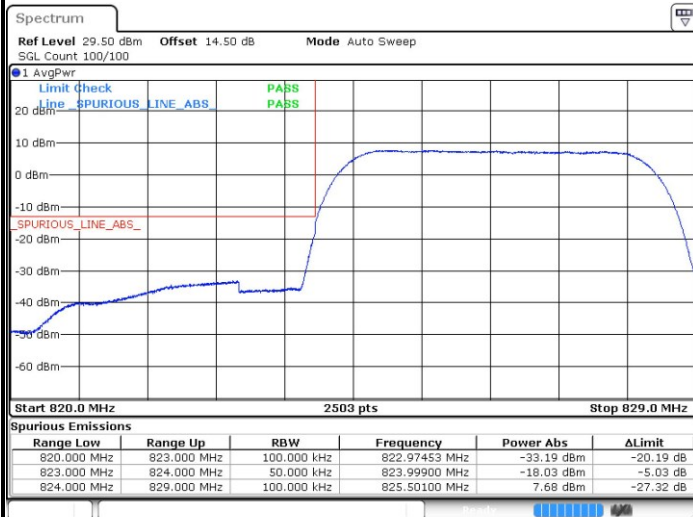
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



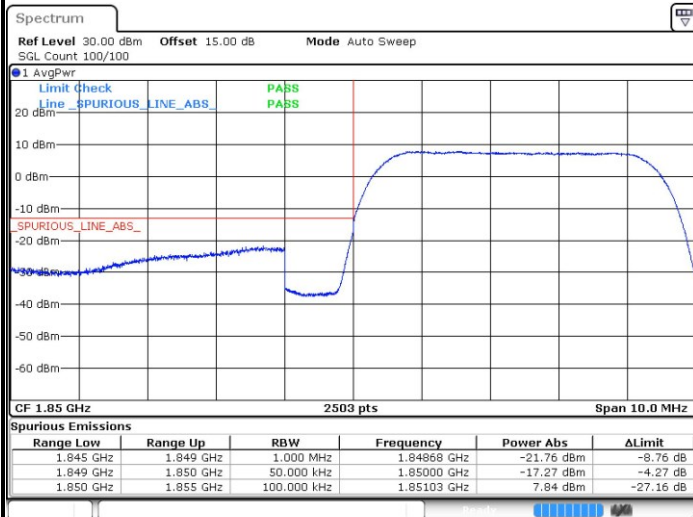
Highest Band Edge



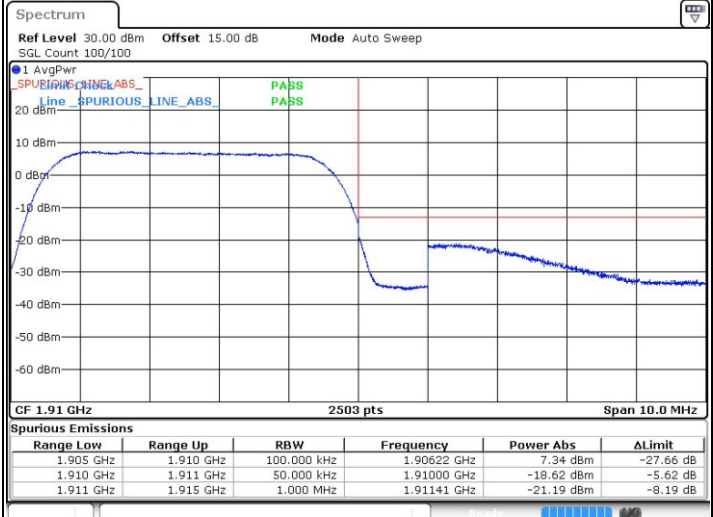


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



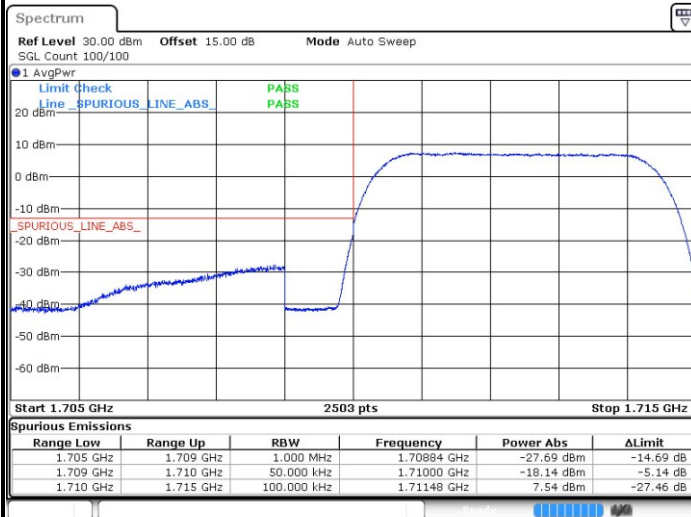
Highest Band Edge



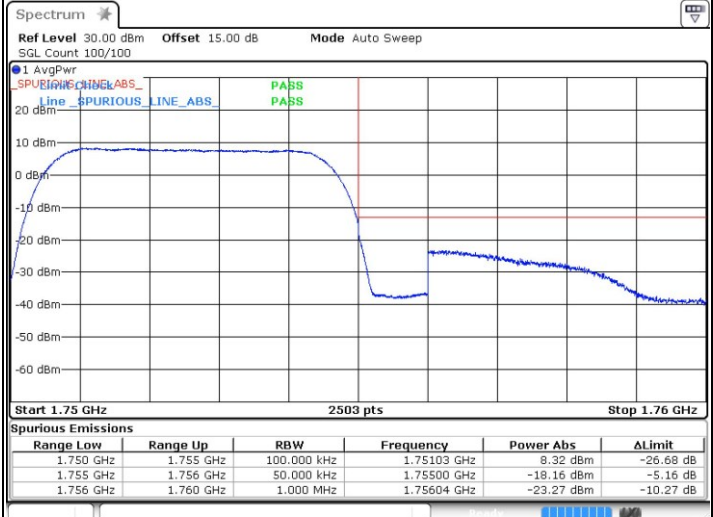


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



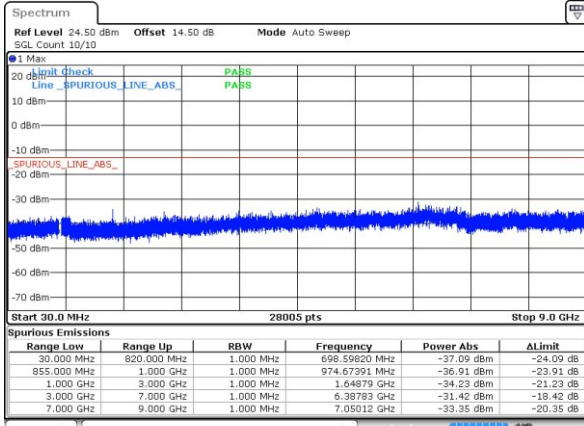


Conducted Spurious Emission



GSM850 (GSM)

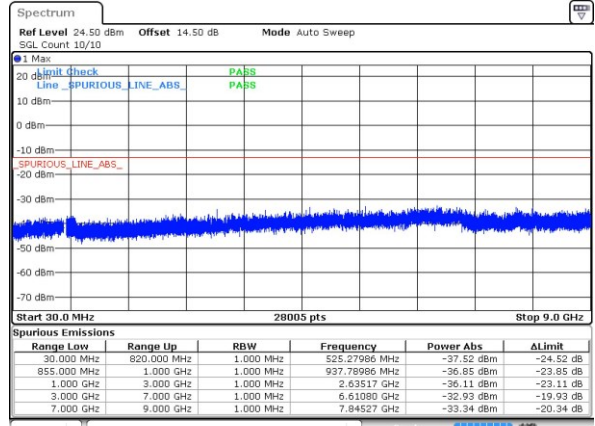
Lowest Channel



Date: 9 MAY 2016 20:04:40

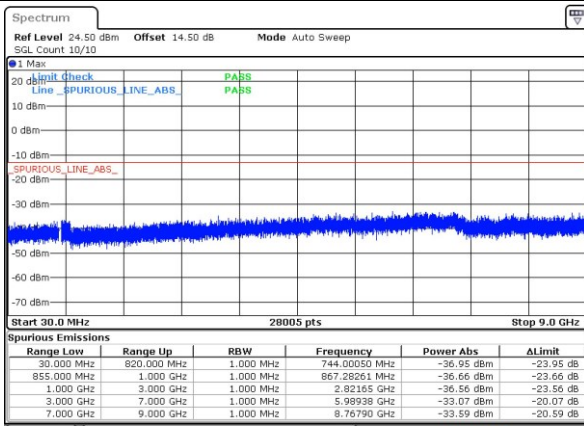
GSM850 (EDGE class 8)

Lowest Channel



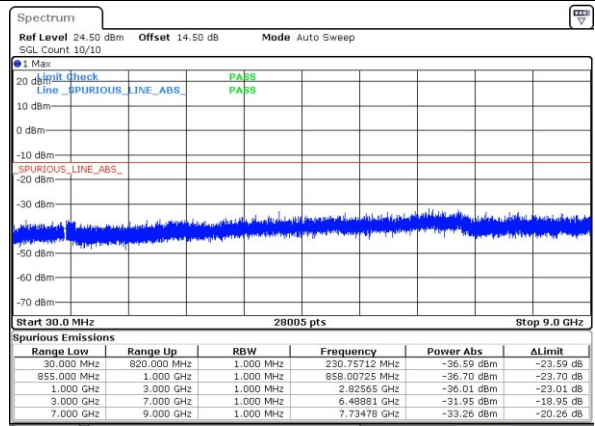
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Middle Channel



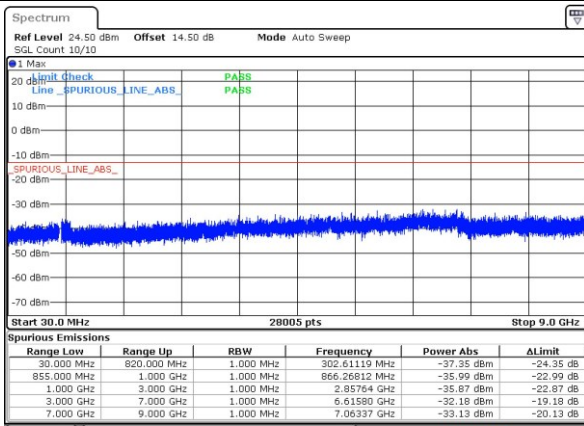
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Middle Channel



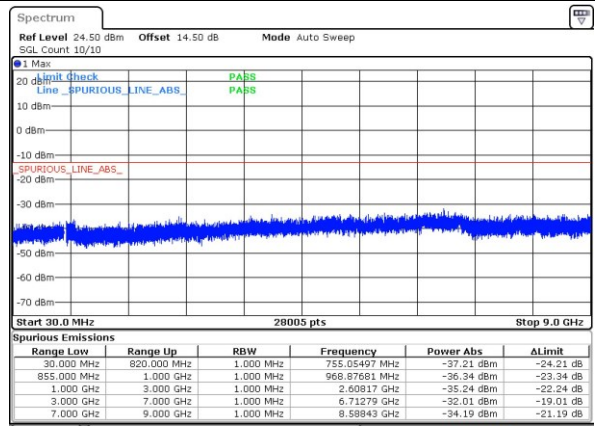
Date: 9 MAY 2016 20:13:23

Highest Channel



Date: 9 MAY 2016 20:07:11

Highest Channel

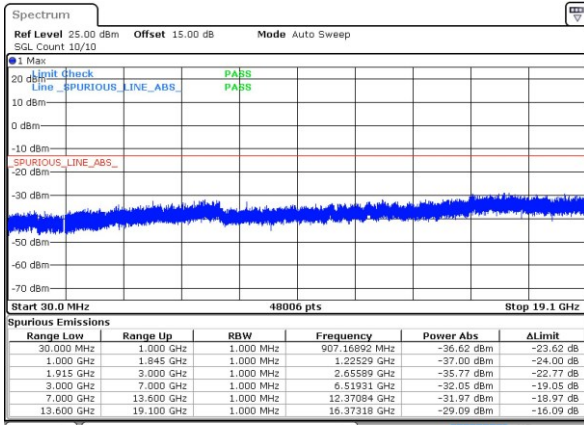


Date: 9 MAY 2016 20:14:39



GSM1900 (GSM)

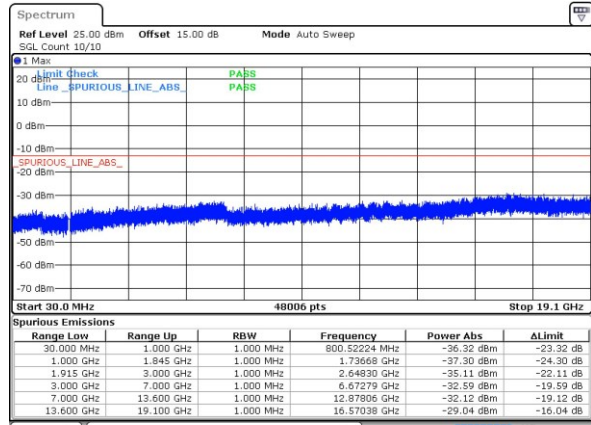
Lowest Channel



Date: 9 MAY 2016 20:53:51

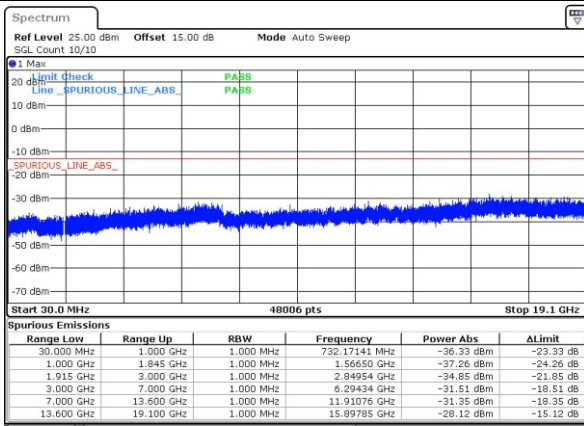
GSM1900 (EDGE class 8)

Lowest Channel

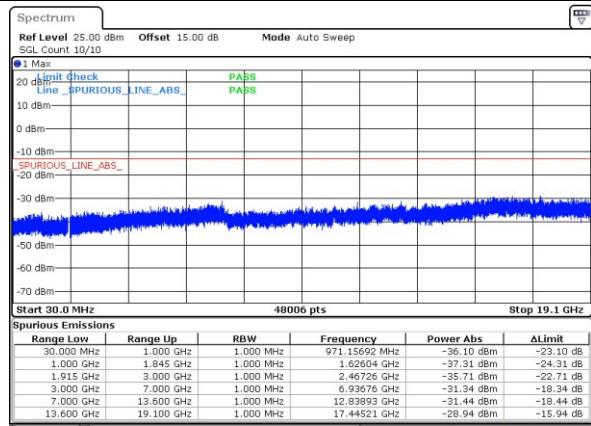


Date: 9 MAY 2016 21:02:13

Middle Channel

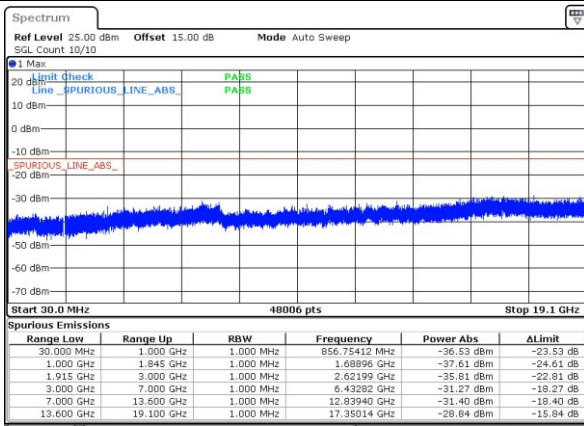


Date: 9 MAY 2016 20:55:08

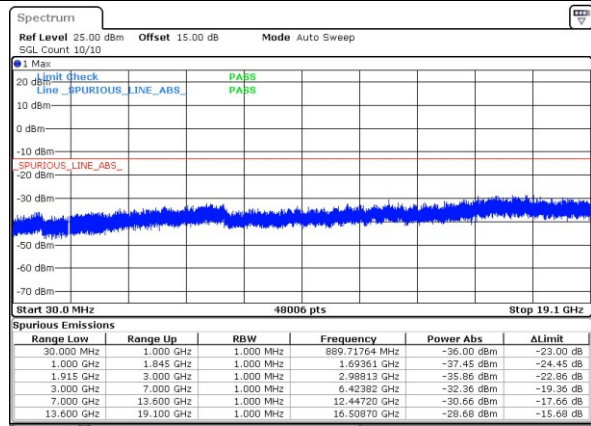


Date: 9 MAY 2016 21:03:30

Highest Channel



Date: 9 MAY 2016 20:56:23

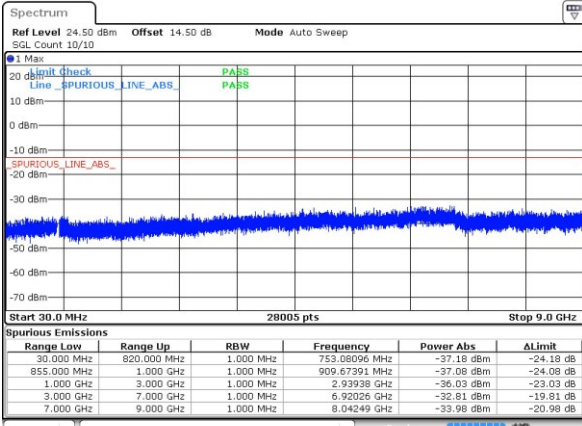


Date: 9 MAY 2016 21:04:46



WCDMA Band V (RMC 12.2Kbps)

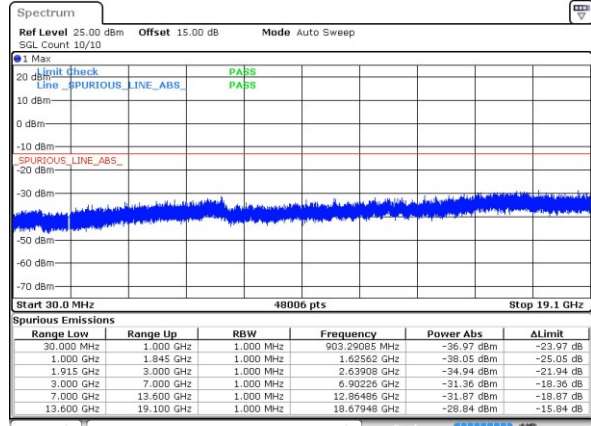
Lowest Channel



Date: 9 MAY 2016 22:27:34

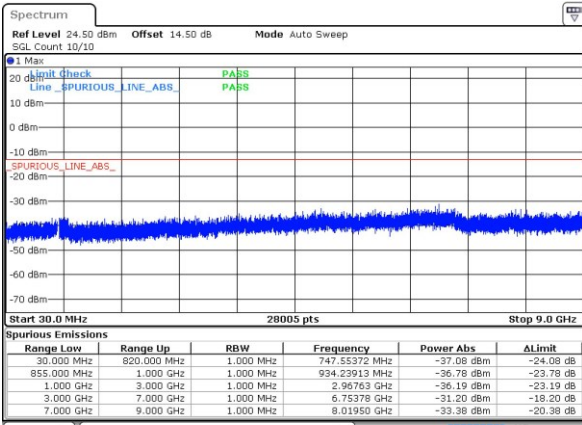
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



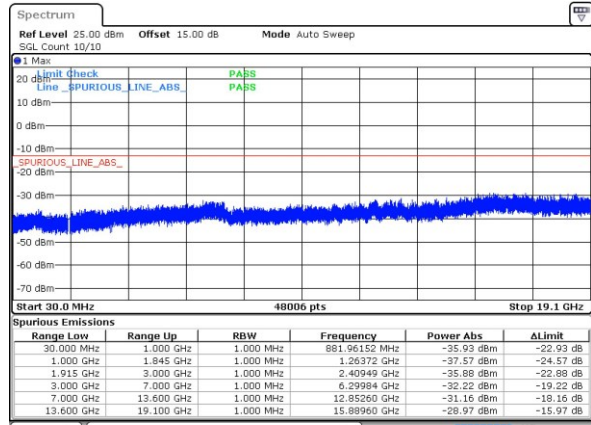
Date: 9 MAY 2016 21:43:26

Middle Channel



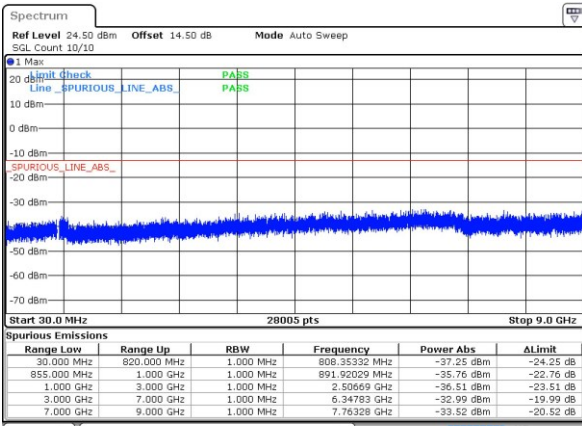
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Middle Channel



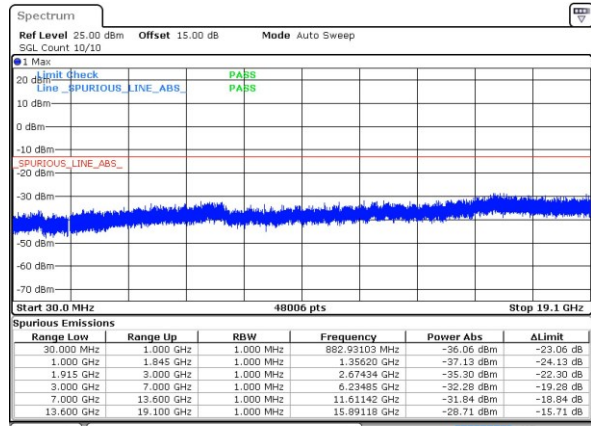
Date: 9 MAY 2016 21:44:42

Highest Channel

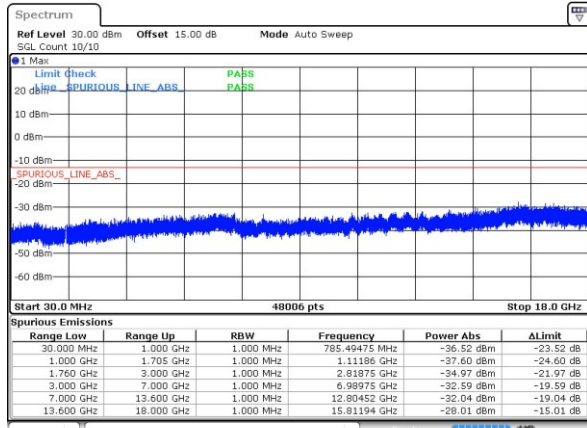


Date: 9 MAY 2016 22:30:05

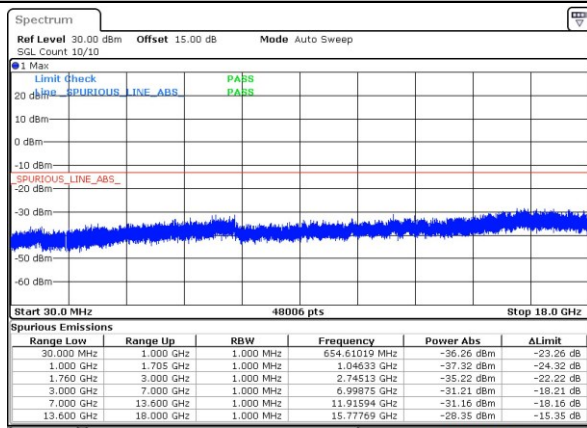
Highest Channel



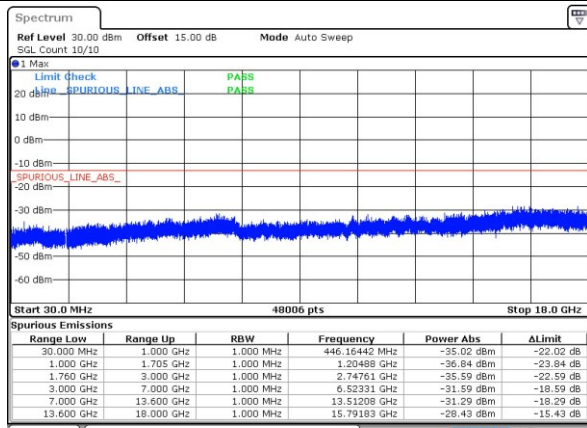
Date: 9 MAY 2016 21:45:58

**WCDMA Band IV (RMC 12.2Kbps)****Lowest Channel**

Date: 9 MAY 2016 21:49:29

Middle Channel

Date: 9 MAY 2016 21:50:46

Highest Channel

Date: 9 MAY 2016 21:52:01

**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	0.0251	0.0048	PASS
40	Normal Voltage	0.0227	0.0442	
30	Normal Voltage	0.0024	0.0024	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0155	0.0383	
0	Normal Voltage	0.0179	0.0036	
-10	Normal Voltage	0.0000	0.0024	
-20	Normal Voltage	0.0191	0.0371	
-30	Normal Voltage	0.0167	0.0048	
20	Maximum Voltage	0.0024	0.0036	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0012	0.0012	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0027	0.0027	PASS
40	Normal Voltage	0.0016	0.0016	
30	Normal Voltage	0.0154	0.0207	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0138	0.0005	
0	Normal Voltage	0.0005	0.0186	
-10	Normal Voltage	0.0027	0.0181	
-20	Normal Voltage	0.0021	0.0027	
-30	Normal Voltage	0.0016	0.0165	
20	Maximum Voltage	0.0000	0.0005	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0005	0.0005	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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	0.0167	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0191	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0239	
-30	Normal Voltage	0.0179	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0101	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0080	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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	0.0127	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0121	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0104	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 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

ERP/EIRP

Channel	Mode	Horizontal		Vertical	
		ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	GSM850 GSM	23.32	0.2148	11.33	0.0136
Middle		23.78	0.2386	11.85	0.0153
Highest		24.36	0.2729	12.68	0.0185
Lowest	GSM850 EDGE class 8	17.64	0.0581	5.75	0.0038
Middle		17.93	0.0621	6.07	0.0040
Highest		18.19	0.0659	6.63	0.0046
Lowest	WCDMA Band V RMC 12.2Kbps	13.96	0.0249	2.25	0.0017
Middle		14.41	0.0276	2.61	0.0018
Highest		14.82	0.0303	3.17	0.0021
Limit	ERP < 7W	Result		PASS	



Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GSM	31.19	1.3150	31.76	1.4982
Middle		31.61	1.4502	31.64	1.4575
Highest		31.16	1.3073	31.77	1.5043
Lowest	GSM1900 EDGE class 8	27.77	0.5984	27.91	0.6176
Middle		27.78	0.5994	28.69	0.7394
Highest		27.36	0.5442	27.90	0.6166
Lowest	WCDMA Band II RMC 12.2Kbps	24.22	0.2645	24.92	0.3102
Middle		24.63	0.2904	24.82	0.3032
Highest		23.99	0.2507	24.62	0.2896
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV RMC 12.2Kbps	25.19	0.3300	25.55	0.3591
Middle		24.94	0.3121	24.74	0.2980
Highest		25.63	0.3660	26.05	0.4030
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)
Lowest	1648.4	-48.81	-13	-35.81	-53.34	-55.50	0.56	9.40	H
	2472.6	-50.77	-13	-37.77	-56.98	-58.48	0.74	10.60	H
	3296.8	-56.76	-13	-43.76	-65.57	-66.36	0.85	12.60	H
	1648.4	-51.71	-13	-38.71	-54.77	-58.40	0.56	9.40	V
	2472.6	-40.35	-13	-27.35	-49.00	-48.06	0.74	10.60	V
	3296.8	-57.50	-13	-44.50	-65.64	-67.10	0.85	12.60	V
Middle	1672	-50.76	-13	-37.76	-54.57	-57.45	0.56	9.40	H
	2510	-48.25	-13	-35.25	-55.38	-55.96	0.74	10.60	H
	3346	-55.99	-13	-42.99	-64.80	-65.59	0.85	12.60	H
	1672	-53.27	-13	-40.27	-55.64	-59.96	0.56	9.40	V
	2510	-41.56	-13	-28.56	-50.01	-49.27	0.74	10.60	V
	3346	-56.76	-13	-43.76	-64.90	-66.36	0.85	12.60	V
Highest	1697.6	-52.98	-13	-39.98	-55.85	-59.67	0.56	9.40	H
	2546.4	-47.13	-13	-34.13	-54.57	-54.84	0.74	10.60	H
	3395.2	-54.26	-13	-41.26	-63.07	-63.86	0.85	12.60	H
	1697.6	-50.71	-13	-37.71	-54.12	-57.40	0.56	9.40	V
	2546.4	-41.87	-13	-28.87	-50.28	-49.58	0.74	10.60	V
	3395.2	-57.23	-13	-44.23	-65.37	-66.83	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)
Lowest	1648.4	-42.60	-13	-29.60	-48.31	-49.29	0.56	9.40	H
	2472.6	-50.74	-13	-37.74	-56.95	-58.45	0.74	10.60	H
	3296.8	-57.11	-13	-44.11	-65.92	-66.71	0.85	12.60	H
	1648.4	-43.58	-13	-30.58	-48.56	-50.27	0.56	9.40	V
	2472.6	-39.79	-13	-26.79	-48.51	-47.50	0.74	10.60	V
	3296.8	-57.54	-13	-44.54	-65.68	-67.14	0.85	12.60	V
Middle	1672	-40.45	-13	-27.45	-46.53	-47.14	0.56	9.40	H
	2510	-51.55	-13	-38.55	-57.50	-59.26	0.74	10.60	H
	3346	-56.53	-13	-43.53	-65.34	-66.13	0.85	12.60	H
	1672	-42.34	-13	-29.34	-47.48	-49.03	0.56	9.40	V
	2510	-41.70	-13	-28.70	-50.13	-49.41	0.74	10.60	V
	3346	-58.14	-13	-45.14	-66.28	-67.74	0.85	12.60	V
Highest	1697.6	-54.65	-13	-41.65	-57.48	-61.34	0.56	9.40	H
	2546.4	-52.38	-13	-39.38	-58.12	-60.09	0.74	10.60	H
	3395.2	-57.28	-13	-44.28	-66.09	-66.88	0.85	12.60	H
	1697.6	-47.44	-13	-34.44	-51.50	-54.13	0.56	9.40	V
	2546.4	-45.20	-13	-32.20	-52.98	-52.91	0.74	10.60	V
	3395.2	-56.33	-13	-43.33	-64.47	-65.93	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)
Lowest	3700.4	-49.98	-13	-36.98	-63.53	-56.02	6.56	12.60	H
	5550.6	-49.37	-13	-36.37	-65.31	-54.47	8	13.10	H
	7400.8	-49.55	-13	-36.55	-68.29	-51.28	9.57	11.30	H
	3700.4	-50.89	-13	-37.89	-64.24	-56.93	6.56	12.60	V
	5550.6	-49.59	-13	-36.59	-66.94	-54.69	8	13.10	V
	7400.8	-50.25	-13	-37.25	-68.65	-51.98	9.57	11.30	V
Middle	3760	-51.76	-13	-38.76	-65.31	-57.80	6.56	12.60	H
	5640	-49.80	-13	-36.80	-65.74	-54.90	8	13.10	H
	7520	-49.05	-13	-36.05	-67.79	-50.78	9.57	11.30	H
	3760	-52.64	-13	-39.64	-65.99	-58.68	6.56	12.60	V
	5640	-48.72	-13	-35.72	-66.07	-53.82	8	13.10	V
	7520	-49.23	-13	-36.23	-67.63	-50.96	9.57	11.30	V
Highest	3819.6	-49.10	-13	-36.10	-62.65	-55.14	6.56	12.60	H
	5729.4	-48.53	-13	-35.53	-64.47	-53.63	8	13.10	H
	7639.2	-48.58	-13	-35.58	-67.32	-50.31	9.57	11.30	H
	3819.6	-52.85	-13	-39.85	-66.2	-58.89	6.56	12.60	V
	5729.4	-49.33	-13	-36.33	-66.68	-54.43	8	13.10	V
	7639.2	-48.70	-13	-35.70	-67.1	-50.43	9.57	11.30	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)
Lowest	3700.4	-50.45	-13	-37.45	-64.00	-56.49	6.56	12.60	H
	5550.6	-51.98	-13	-38.98	-67.92	-57.08	8	13.10	H
	7400.8	-50.02	-13	-37.02	-68.76	-51.75	9.57	11.30	H
	3700.4	-49.54	-13	-36.54	-62.89	-55.58	6.56	12.60	V
	5550.6	-50.64	-13	-37.64	-67.99	-55.74	8	13.10	V
	7400.8	-49.70	-13	-36.70	-68.1	-51.43	9.57	11.30	V
Middle	3760	-52.20	-13	-39.20	-65.75	-58.24	6.56	12.60	H
	5640	-49.17	-13	-36.17	-65.11	-54.27	8	13.10	H
	7520	-49.13	-13	-36.13	-67.87	-50.86	9.57	11.30	H
	3760	-50.78	-13	-37.78	-64.13	-56.82	6.56	12.60	V
	5640	-49.61	-13	-36.61	-66.96	-54.71	8	13.10	V
	7520	-49.48	-13	-36.48	-67.88	-51.21	9.57	11.30	V
Highest	3819.6	-47.92	-13	-34.92	-61.47	-53.96	6.56	12.60	H
	5729.4	-49.83	-13	-36.83	-65.77	-54.93	8	13.10	H
	7639.2	-48.67	-13	-35.67	-67.41	-50.40	9.57	11.30	H
	3819.6	-47.49	-13	-34.49	-60.84	-53.53	6.56	12.60	V
	5729.4	-50.58	-13	-37.58	-67.93	-55.68	8	13.10	V
	7639.2	-49.41	-13	-36.41	-67.81	-51.14	9.57	11.30	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)
Lowest	1652.8	-60.67	-13	-47.67	-63.50	-67.36	0.56	9.40	H
	2479.2	-56.66	-13	-43.66	-62.40	-64.37	0.74	10.60	H
	3305.6	-57.63	-13	-44.63	-66.44	-67.23	0.85	12.60	H
	1652.8	-62.19	-13	-49.19	-63.85	-68.88	0.56	9.40	V
	2479.2	-52.41	-13	-39.41	-57.99	-60.12	0.74	10.60	V
	3305.6	-55.24	-13	-42.24	-63.38	-64.84	0.85	12.60	V
Middle	1672	-59.35	-13	-46.35	-62.18	-66.04	0.56	9.40	H
	2510	-55.30	-13	-42.30	-61.04	-63.01	0.74	10.60	H
	3346	-56.98	-13	-43.98	-65.79	-66.58	0.85	12.60	H
	1672	-60.92	-13	-47.92	-62.58	-67.61	0.56	9.40	V
	2510	-51.00	-13	-38.00	-56.58	-58.71	0.74	10.60	V
	3346	-54.22	-13	-41.22	-62.36	-63.82	0.85	12.60	V
Highest	1693.2	-58.39	-13	-45.39	-61.22	-65.08	0.56	9.40	H
	2539.8	-54.24	-13	-41.24	-59.98	-61.95	0.74	10.60	H
	3386.4	-57.08	-13	-44.08	-65.89	-66.68	0.85	12.60	H
	1693.2	-59.40	-13	-46.40	-61.06	-66.09	0.56	9.40	V
	2539.8	-49.09	-13	-36.09	-55.67	-56.80	0.74	10.60	V
	3386.4	-53.79	-13	-40.79	-61.93	-63.39	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)
Lowest	3704.8	-51.46	-13	-38.46	-65.01	-57.50	6.56	12.60	H
	5557.2	-46.57	-13	-33.57	-62.51	-51.67	8	13.10	H
	7409.6	-49.18	-13	-36.18	-67.92	-50.91	9.57	11.30	H
	3704.8	-52.67	-13	-39.67	-66.02	-58.71	6.56	12.60	V
	5557.2	-48.93	-13	-35.93	-66.28	-54.03	8	13.10	V
	7409.6	-49.66	-13	-36.66	-68.06	-51.39	9.57	11.30	V
Middle	3760	-52.41	-13	-39.41	-65.96	-58.45	6.56	12.60	H
	5640	-47.82	-13	-34.82	-63.76	-52.92	8	13.10	H
	7520	-49.28	-13	-36.28	-68.02	-51.01	9.57	11.30	H
	3760	-53.62	-13	-40.62	-66.97	-59.66	6.56	12.60	V
	5640	-49.15	-13	-36.15	-66.5	-54.25	8	13.10	V
	7520	-49.95	-13	-36.95	-68.35	-51.68	9.57	11.30	V
Highest	3815.2	-51.24	-13	-38.24	-64.79	-57.28	6.56	12.60	H
	5722.8	-46.30	-13	-33.30	-62.24	-51.40	8	13.10	H
	7630.4	-48.86	-13	-35.86	-67.60	-50.59	9.57	11.30	H
	3815.2	-53.91	-13	-40.91	-67.26	-59.95	6.56	12.60	V
	5722.8	-48.59	-13	-35.59	-65.94	-53.69	8	13.10	V
	7630.4	-48.49	-13	-35.49	-66.89	-50.22	9.57	11.30	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)
Lowest	3424.8	-50.91	-13	-37.91	-65.66	-57.33	6.18	12.60	H
	5137.2	-45.92	-13	-32.92	-63.92	-50.88	7.74	12.70	H
	6849.6	-49.12	-13	-36.12	-67.93	-51.82	9	11.70	H
	3424.8	-54.13	-13	-41.13	-65.08	-60.55	6.18	12.60	V
	5137.2	-47.78	-13	-34.78	-60.78	-52.74	7.74	12.70	V
	6849.6	-51.13	-13	-38.13	-67.84	-53.83	9	11.70	V
Middle	3465.2	-52.18	-13	-39.18	-66.93	-58.60	6.18	12.60	H
	5197.8	-46.58	-13	-33.58	-64.58	-51.54	7.74	12.70	H
	6930.4	-49.47	-13	-36.47	-68.28	-52.17	9	11.70	H
	3465.2	-55.43	-13	-42.43	-66.38	-61.85	6.18	12.60	V
	5197.8	-47.02	-13	-34.02	-60.02	-51.98	7.74	12.70	V
	6930.4	-51.19	-13	-38.19	-67.9	-53.89	9	11.70	V
Highest	3505.2	-52.16	-13	-39.16	-66.91	-58.58	6.18	12.60	H
	5257.8	-46.87	-13	-33.87	-64.87	-51.83	7.74	12.70	H
	7010.4	-48.49	-13	-35.49	-67.30	-51.19	9	11.70	H
	3505.2	-55.62	-13	-42.62	-66.57	-62.04	6.18	12.60	V
	5257.8	-47.89	-13	-34.89	-60.89	-52.85	7.74	12.70	V
	7010.4	-51.59	-13	-38.59	-68.3	-54.29	9	11.70	V

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