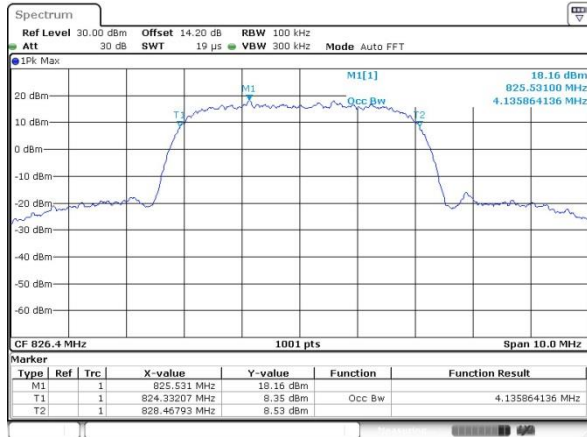




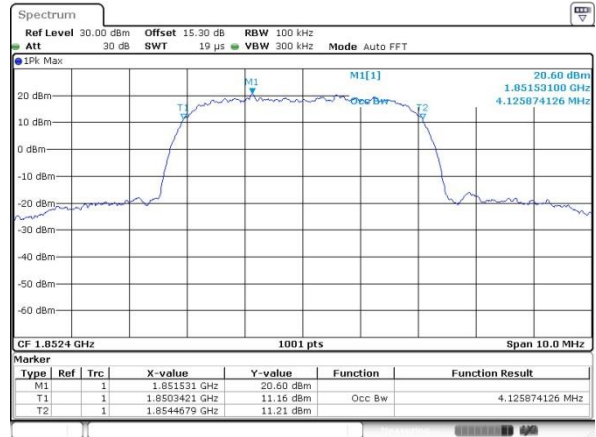
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

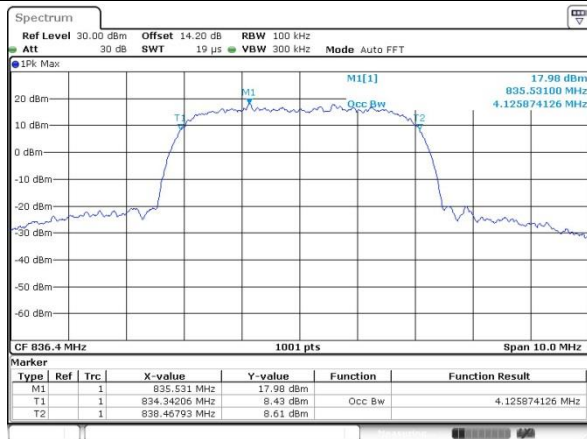


WCDMA Band II (RMC 12.2Kbps)

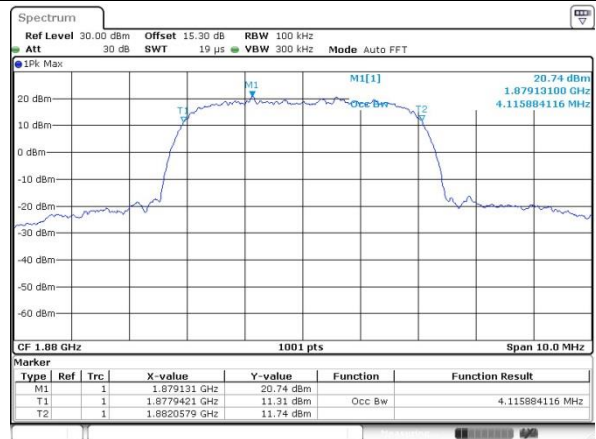
Lowest Channel



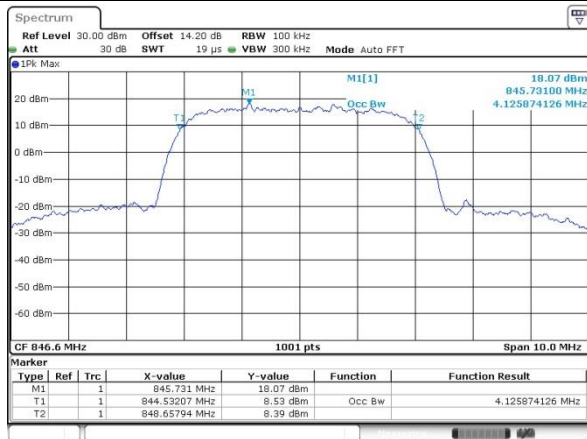
Middle Channel



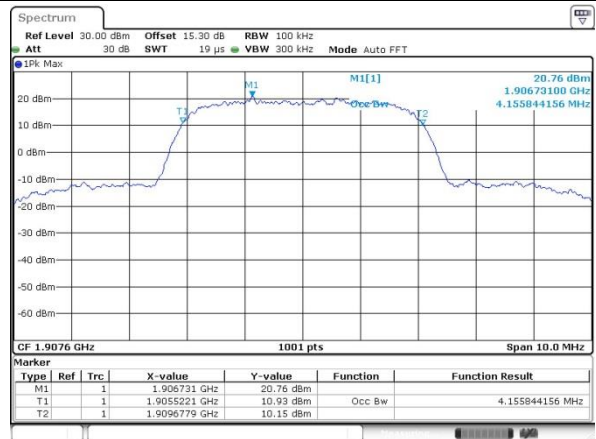
Middle Channel



Highest Channel



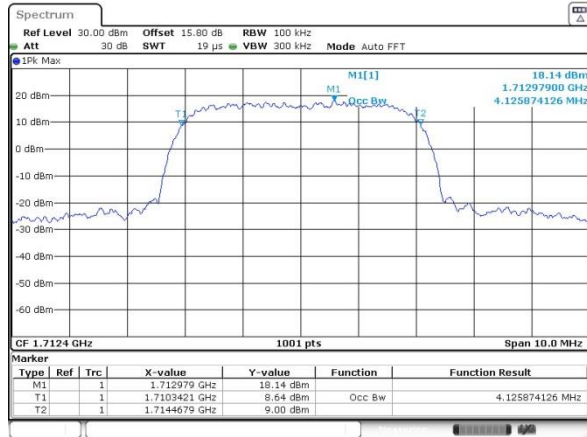
Highest Channel





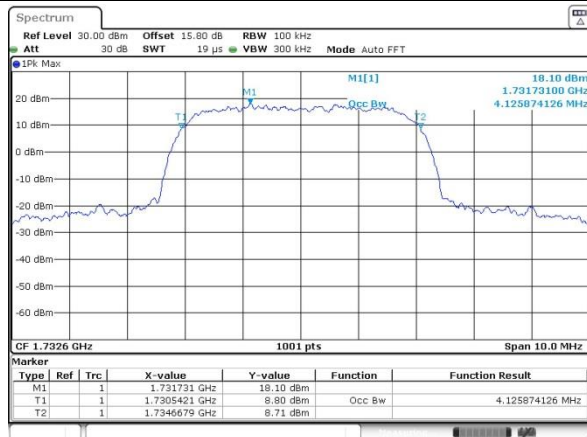
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



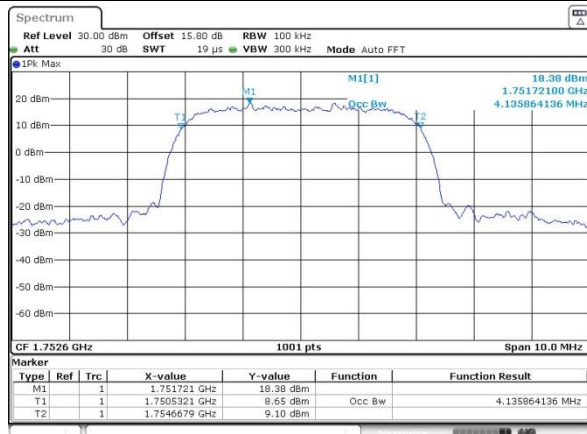
Date: 31.OCT.2019 16:31:40

Middle Channel



Date: 31.OCT.2019 16:34:11

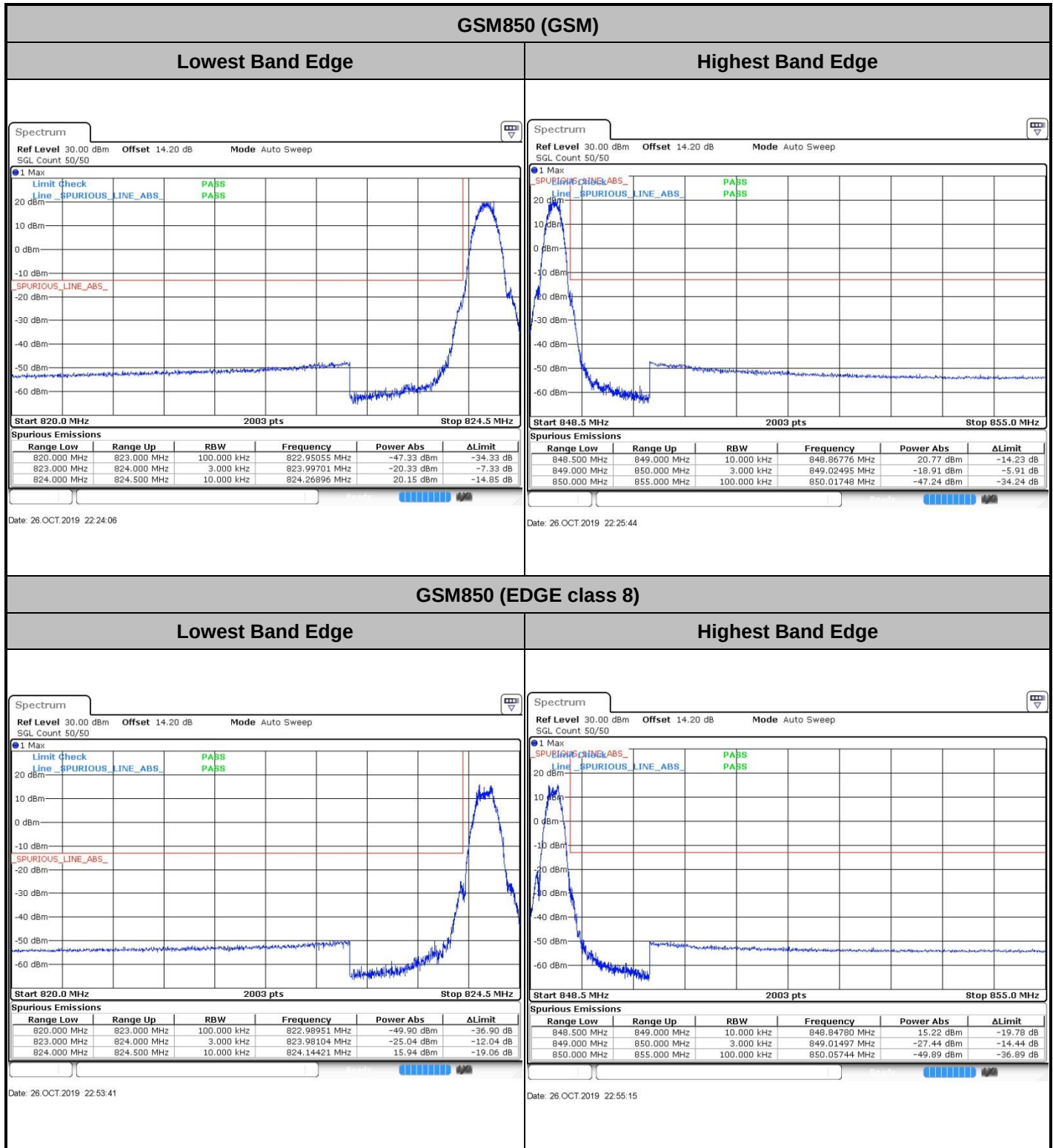
Highest Channel



Date: 31.OCT.2019 16:34:48



Conducted Band Edge

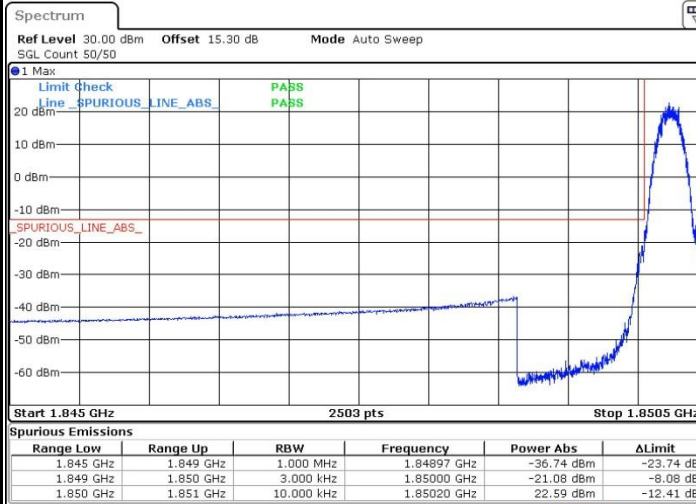




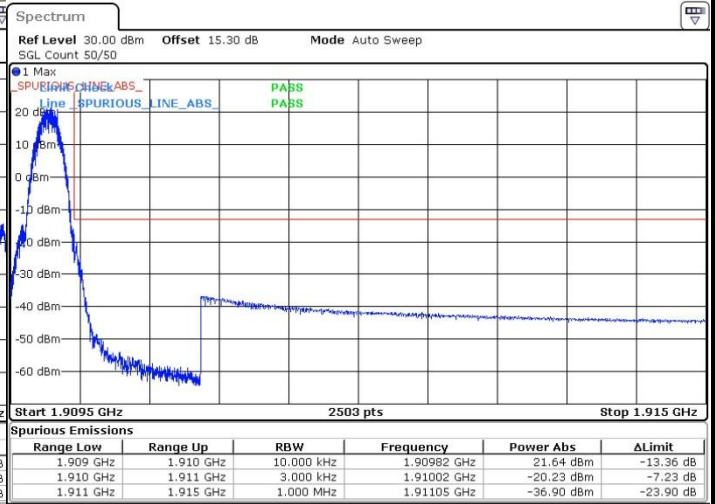
GSM1900 (GSM)

Lowest Band Edge

Highest Band Edge



Date: 26.OCT.2019 23:11:51

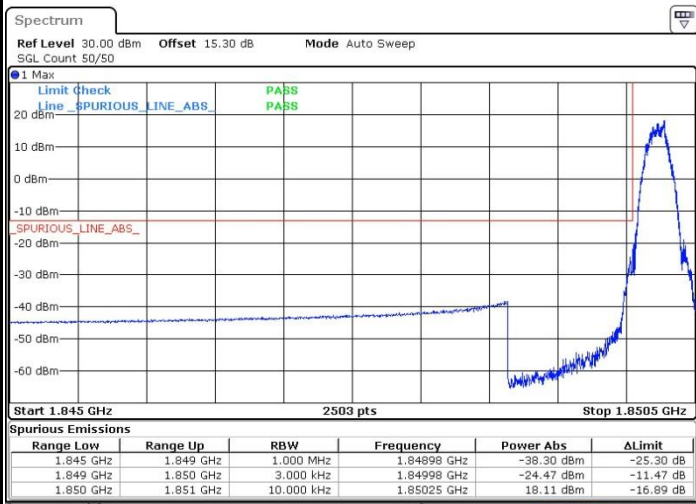


Date: 26.OCT.2019 23:13:28

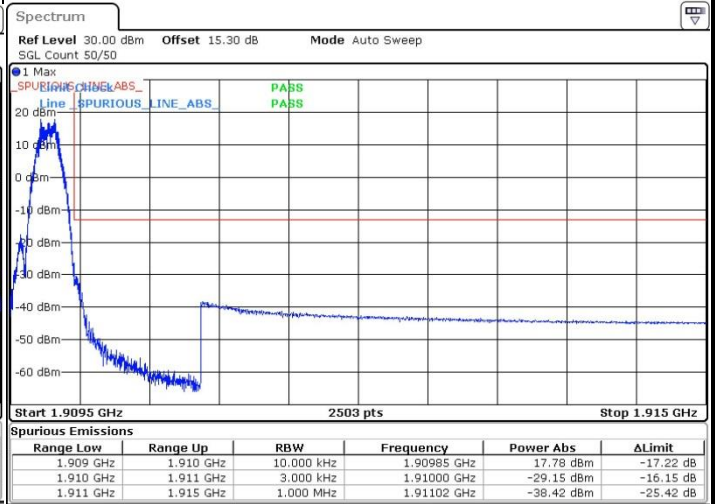
GSM1900 (EDGE class 8)

Lowest Band Edge

Highest Band Edge



Date: 26.OCT.2019 23:32:01

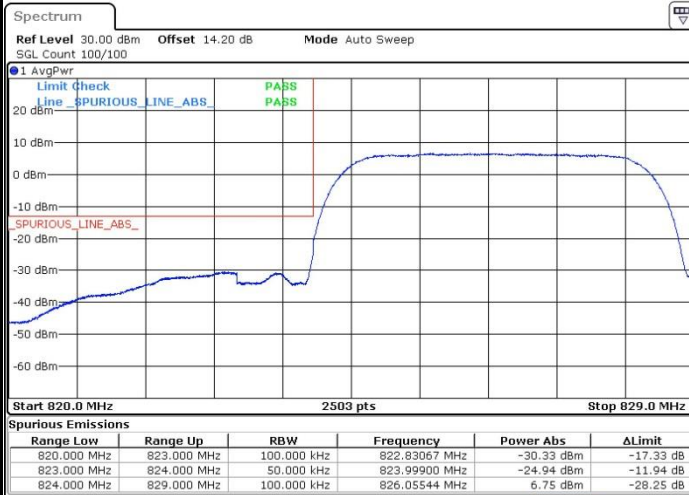


Date: 26.OCT.2019 23:42:40



WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



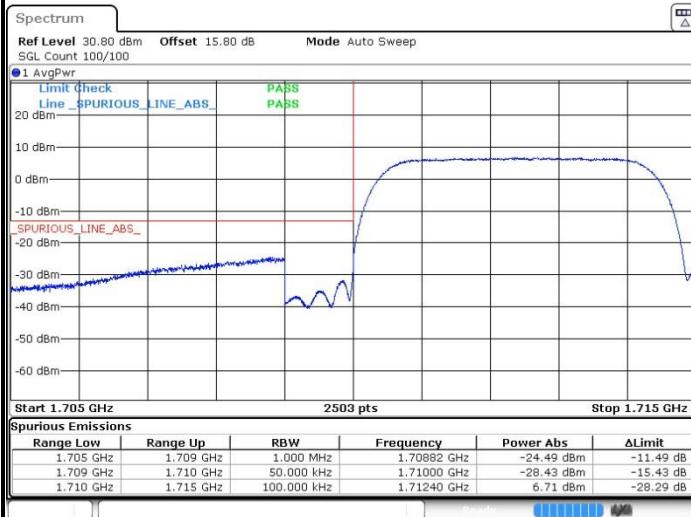
Highest Band Edge



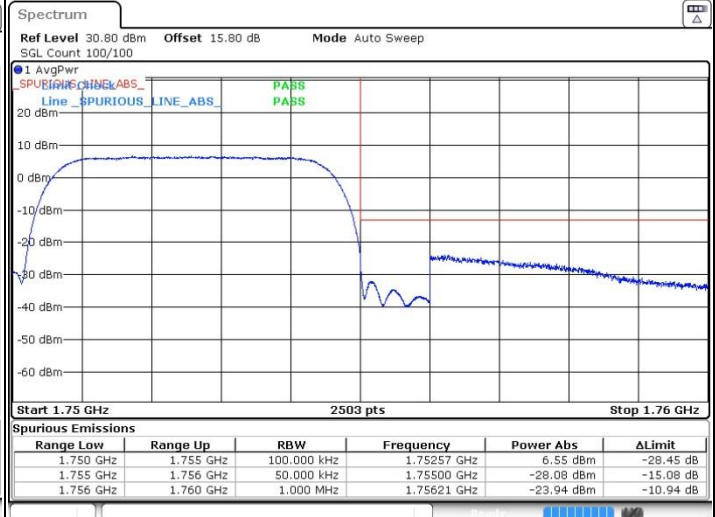


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

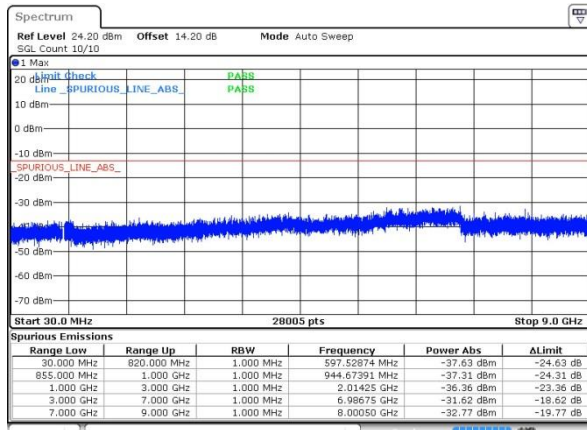




Conducted Spurious Emission

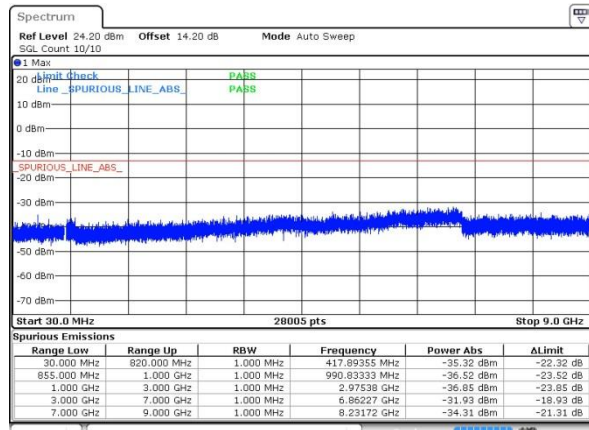
GSM850 (GSM)

Lowest Channel

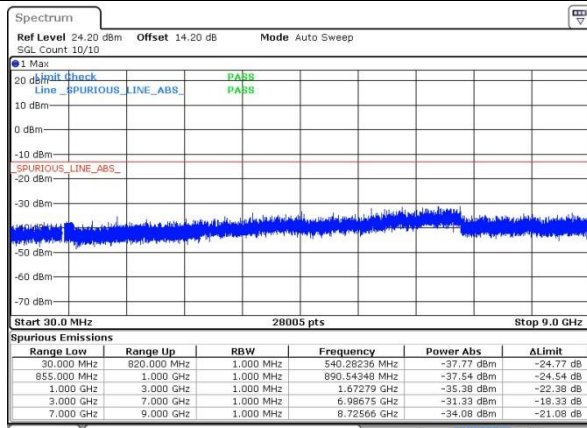


GSM850 (EDGE class 8)

Lowest Channel

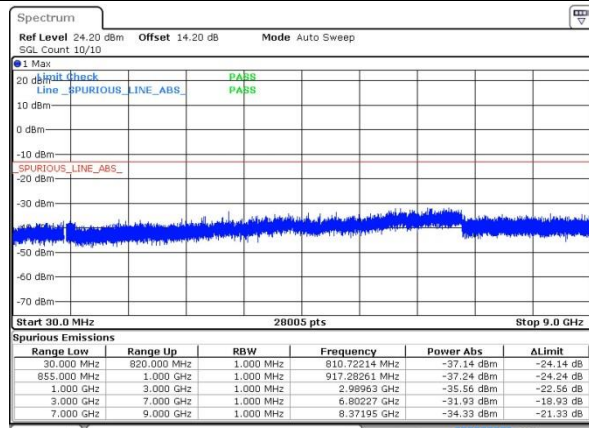


Middle Channel



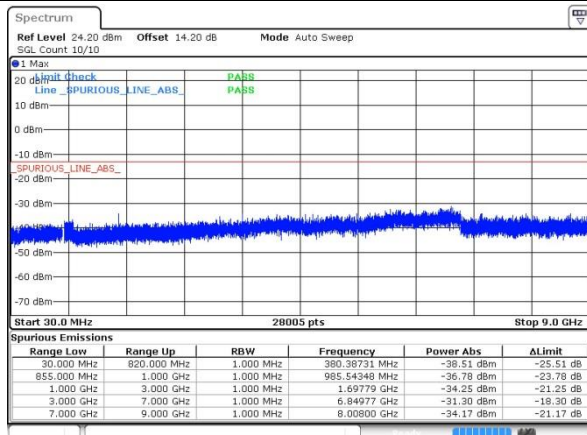
Date: 26 OCT 2019 22:35:35

Middle Channel



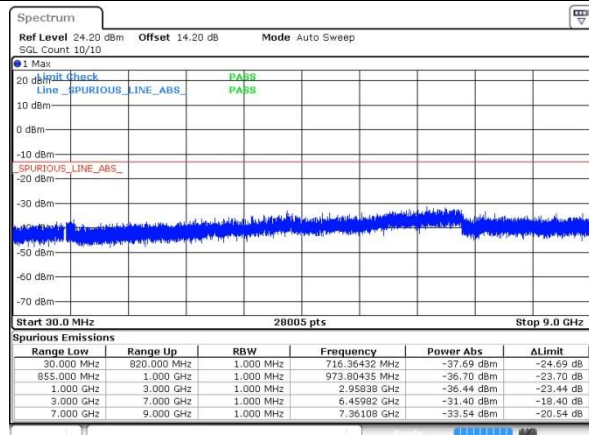
Date: 26 OCT 2019 22:58:06

Highest Channel



Date: 26 OCT 2019 22:36:57

Highest Channel

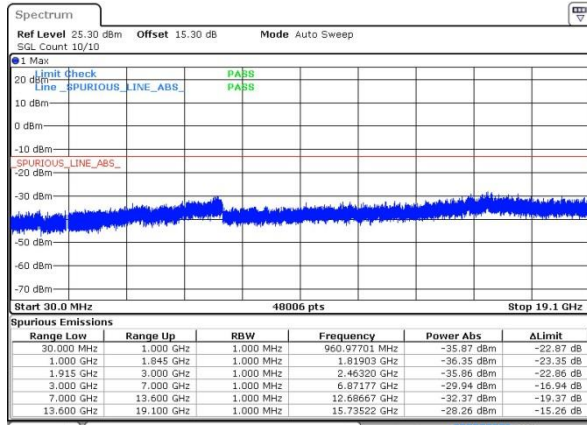


Date: 26 OCT 2019 22:59:34



GSM1900 (GSM)

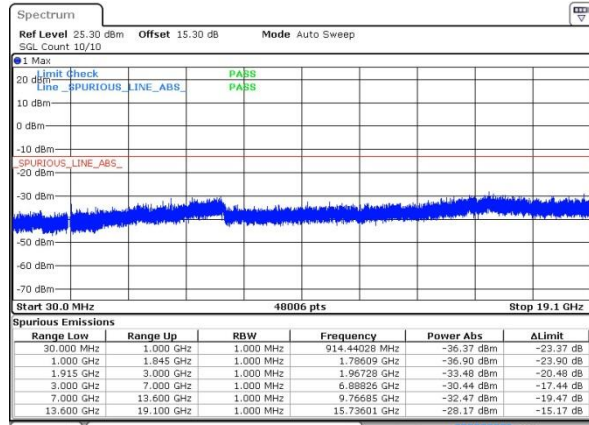
Lowest Channel



Date: 26 OCT 2019 23:14:57

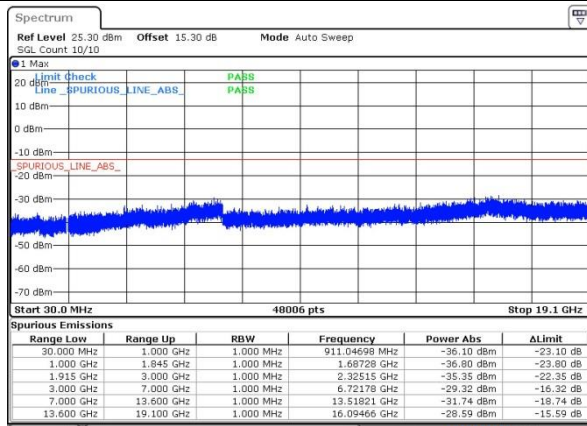
GSM1900 (EDGE class 8)

Lowest Channel

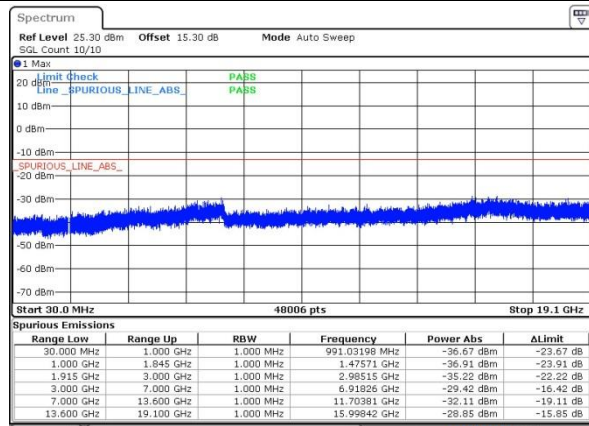


Date: 26 OCT 2019 23:44:03

Middle Channel

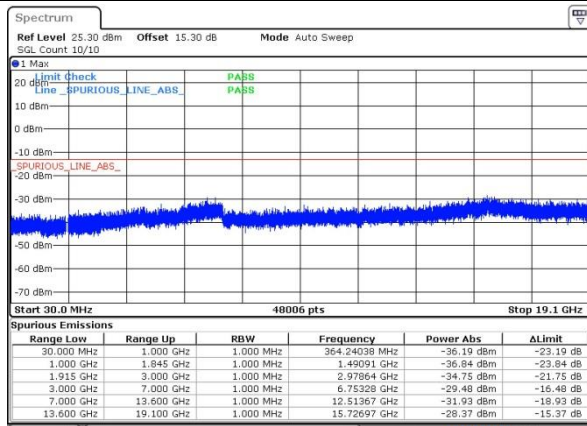


Date: 26 OCT 2019 23:16:19

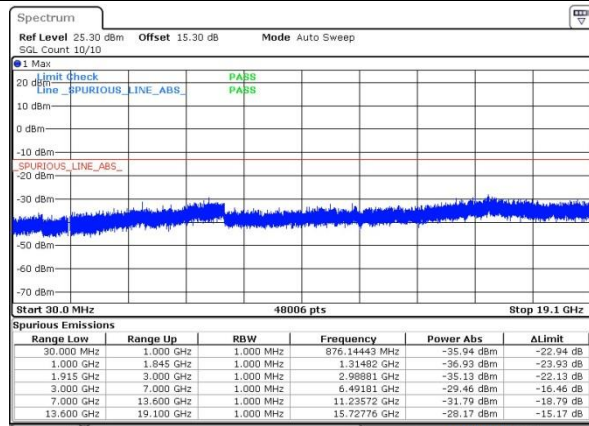


Date: 26 OCT 2019 23:45:26

Highest Channel



Date: 26 OCT 2019 23:17:42

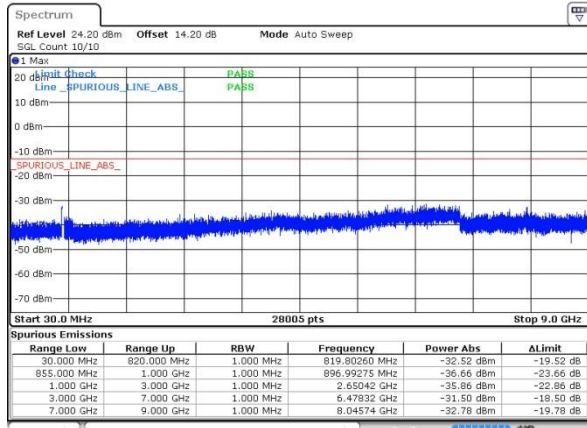


Date: 26 OCT 2019 23:46:46



WCDMA Band V (RMC 12.2Kbps)

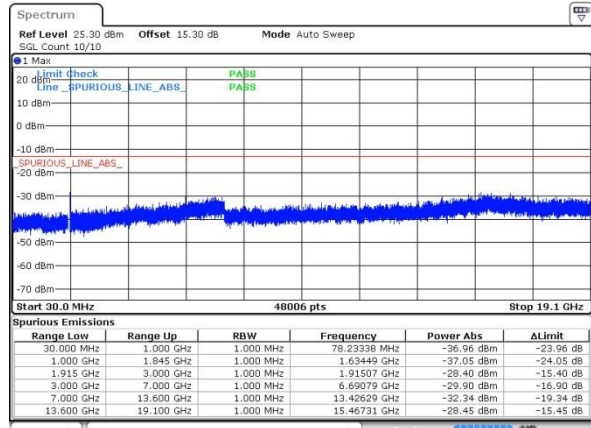
Lowest Channel



Date: 27 OCT.2019 00:06:37

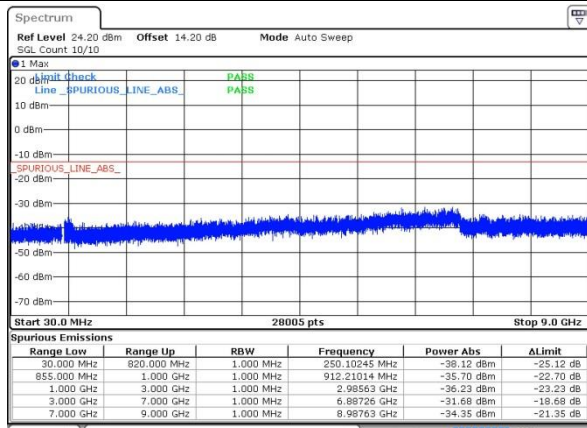
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



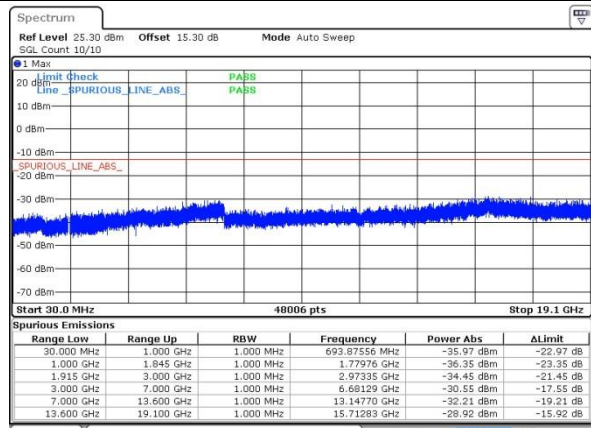
Date: 27 OCT.2019 01:29:53

Middle Channel



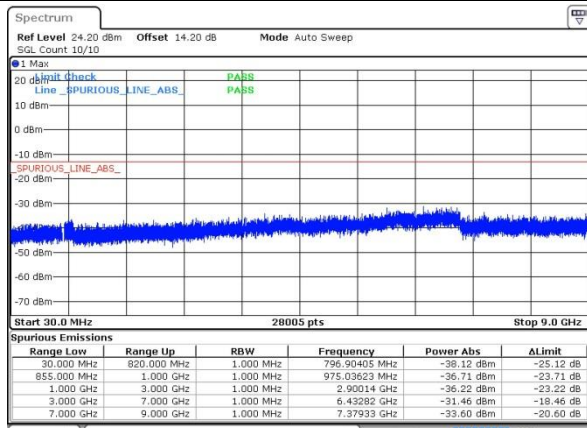
Date: 27 OCT.2019 00:22:04

Middle Channel



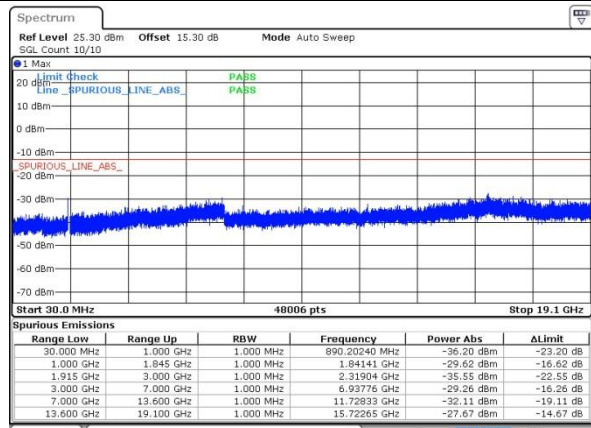
Date: 27 OCT.2019 01:28:31

Highest Channel



Date: 27 OCT.2019 00:23:26

Highest Channel

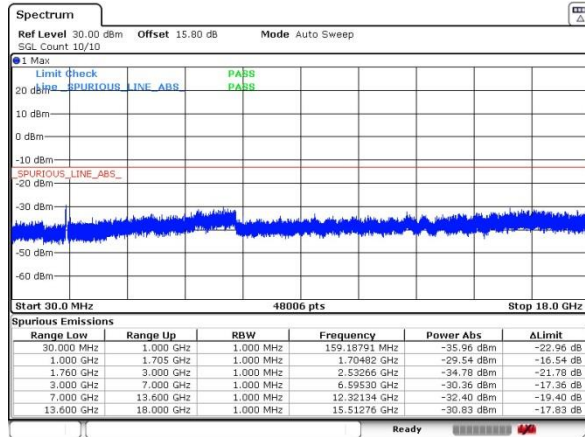


Date: 27 OCT.2019 01:27:09



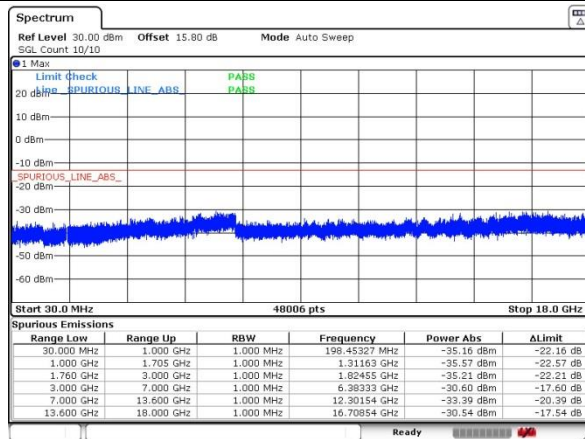
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



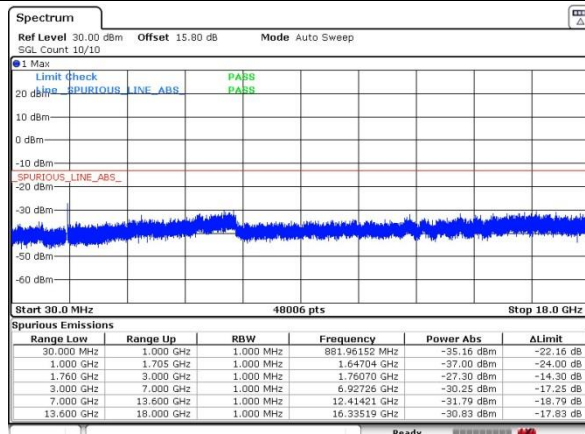
Date: 31.OCT.2019 16:37:38

Middle Channel



Date: 31.OCT.2019 16:38:35

Highest Channel



Date: 31.OCT.2019 16:39:07

**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	0.0084	0.0275	PASS
40	Normal Voltage	0.0024	0.0239	
30	Normal Voltage	0.0012	0.0084	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0167	
0	Normal Voltage	0.0108	0.0167	
-10	Normal Voltage	0.0060	0.0132	
-20	Normal Voltage	0.0048	0.0191	
-30	Normal Voltage	0.0143	0.0024	
20	Maximum Voltage	0.0132	0.0132	
20	Normal Voltage	0.0132	0.0203	
20	Battery End Point	0.0203	0.0036	

Note: Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; 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	0.0027	0.0059	PASS
40	Normal Voltage	0.0011	0.0133	
30	Normal Voltage	0.0059	0.0027	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0011	0.0106	
0	Normal Voltage	0.0005	0.0032	
-10	Normal Voltage	0.0080	0.0053	
-20	Normal Voltage	0.0048	0.0090	
-30	Normal Voltage	0.0106	0.0080	
20	Maximum Voltage	0.0069	0.0032	
20	Normal Voltage	0.0043	0.0128	
20	Battery End Point	0.0106	0.0043	

Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; 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 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0131	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0203	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0167	
20	Battery End Point	0.0155	

Note: Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; 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	0.0011	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0117	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0101	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; 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	0.0038	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0126	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0131	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0126	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; 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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648.00	-53.55	-13	-40.55	-56.79	1.11	6.50	H
	2472.00	-48.45	-13	-35.45	-51.07	1.43	6.20	H
	3294.00	-59.88	-13	-46.88	-64.32	1.71	8.30	H
	1648.00	-56.57	-13	-43.57	-59.81	1.11	6.50	V
	2472.00	-52.54	-13	-39.54	-55.16	1.43	6.20	V
	3294.00	-59.68	-13	-46.68	-64.12	1.71	8.30	V
Middle	1672	-53.58	-13	-40.58	-56.82	1.11	6.50	H
	2510	-50.38	-13	-37.38	-53.00	1.43	6.20	H
	3348	-59.70	-13	-46.70	-64.14	1.71	8.30	H
	1672	-57.94	-13	-44.94	-61.18	1.11	6.50	V
	2510	-52.42	-13	-39.42	-55.04	1.43	6.20	V
	3348	-59.54	-13	-46.54	-63.98	1.71	8.30	V
Highest	1698.00	-54.58	-13	-41.58	-57.82	1.11	6.50	H
	2546.00	-47.46	-13	-34.46	-50.08	1.43	6.20	H
	3396.00	-59.93	-13	-46.93	-64.37	1.71	8.30	H
	1698.00	-54.45	-13	-41.45	-57.69	1.11	6.50	V
	2546.00	-49.53	-13	-36.53	-52.15	1.43	6.20	V
	3396.00	-59.69	-13	-46.69	-64.13	1.71	8.30	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648.00	-58.50	-13	-45.50	-61.74	1.11	6.50	H
	2472.60	-60.10	-13	-47.10	-62.72	1.43	6.20	H
	3294.00	-60.01	-13	-47.01	-64.45	1.71	8.30	H
	1648.00	-58.74	-13	-45.74	-61.98	1.11	6.50	V
	2472.00	-58.12	-13	-45.12	-60.74	1.43	6.20	V
	3294.00	-59.89	-13	-46.89	-64.33	1.71	8.30	V
Middle	1672.00	-57.45	-13	-44.45	-60.69	1.11	6.50	H
	2510.00	-54.20	-13	-41.20	-56.82	1.43	6.20	H
	3348.00	-60.07	-13	-47.07	-64.51	1.71	8.30	H
	1672.00	-59.31	-13	-46.31	-62.55	1.11	6.50	V
	2510.00	-56.55	-13	-43.55	-59.17	1.43	6.20	V
	3348.00	-59.76	-13	-46.76	-64.20	1.71	8.30	V
Highest	1698.00	-57.92	-13	-44.92	-61.16	1.11	6.50	H
	2546.00	-49.80	-13	-36.80	-52.42	1.43	6.20	H
	3396.00	-60.02	-13	-47.02	-64.46	1.71	8.30	H
	1698.00	-59.00	-13	-46.00	-62.24	1.11	6.50	V
	2546.00	-50.08	-13	-37.08	-52.70	1.43	6.20	V
	3396.00	-59.74	-13	-46.74	-64.18	1.71	8.30	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3699	-55.76	-13	-42.76	-68.02	2.641	14.90	H
	5550	-46.49	-13	-33.49	-58.35	2.94	14.80	H
	7404	-50.41	-13	-37.41	-60.18	3.39	13.16	H
	3699	-57.26	-13	-44.26	-69.52	2.64	14.90	V
	5550	-55.25	-13	-42.25	-67.11	2.94	14.80	V
	7404	-50.05	-13	-37.05	-59.82	3.39	13.16	V
Middle	3759	-55.48	-13	-42.48	-67.74	2.641	14.90	H
	5640	-47.05	-13	-34.05	-58.91	2.94	14.80	H
	7524	-50.28	-13	-37.28	-60.05	3.39	13.16	H
	3759	-56.16	-13	-43.16	-68.42	2.64	14.90	V
	5640	-55.04	-13	-42.04	-66.90	2.94	14.80	V
	7524	-50.18	-13	-37.18	-59.95	3.39	13.16	V
Highest	3819	-50.84	-13	-37.84	-63.10	2.641	14.90	H
	5730	-36.88	-13	-23.88	-48.74	2.94	14.80	H
	7644	-50.35	-13	-37.35	-60.12	3.39	13.16	H
	3819	-56.13	-13	-43.13	-68.39	2.64	14.90	V
	5730	-44.72	-13	-31.72	-56.58	2.94	14.80	V
	7644	-49.80	-13	-36.80	-59.57	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3699	-54.33	-13	-41.33	-66.59	2.641	14.90	H
	5550	-56.21	-13	-43.21	-68.07	2.94	14.80	H
	7404	-50.85	-13	-37.85	-60.62	3.39	13.16	H
	3699	-56.86	-13	-43.86	-69.12	2.64	14.90	V
	5550	-55.76	-13	-42.76	-67.62	2.94	14.80	V
	7404	-49.96	-13	-36.96	-59.73	3.39	13.16	V
Middle	3759	-54.31	-13	-41.31	-66.57	2.641	14.90	H
	5640	-55.49	-13	-42.49	-67.35	2.94	14.80	H
	7524	-49.92	-13	-36.92	-59.69	3.39	13.16	H
	3759	-52.77	-13	-39.77	-65.03	2.64	14.90	V
	5640	-45.32	-13	-32.32	-57.18	2.94	14.80	V
	7524	-50.03	-13	-37.03	-59.80	3.39	13.16	V
Highest	3819	-53.44	-13	-40.44	-65.70	2.641	14.90	H
	5730	-54.58	-13	-41.58	-66.44	2.94	14.80	H
	7644	-50.34	-13	-37.34	-60.11	3.39	13.16	H
	3819	-50.94	-13	-37.94	-63.20	2.64	14.90	V
	5730	-53.13	-13	-40.13	-64.99	2.94	14.80	V
	7644	-49.80	-13	-36.80	-59.57	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1652.00	-62.37	-13	-49.37	-65.61	1.11	6.50	H
	2479.20	-60.25	-13	-47.25	-62.87	1.43	6.20	H
	3306.00	-60.13	-13	-47.13	-64.57	1.71	8.30	H
	1652.00	-61.05	-13	-48.05	-64.29	1.11	6.50	V
	2480.00	-58.77	-13	-45.77	-61.39	1.43	6.20	V
	3306.00	-59.82	-13	-46.82	-64.26	1.71	8.30	V
Middle	1672.00	-61.70	-13	-48.70	-64.94	1.11	6.50	H
	2510.00	-59.90	-13	-46.90	-62.52	1.43	6.20	H
	3348.00	-60.06	-13	-47.06	-64.50	1.71	8.30	H
	1672.00	-60.75	-13	-47.75	-63.99	1.11	6.50	V
	2510.00	-59.40	-13	-46.40	-62.02	1.43	6.20	V
	3348.00	-59.91	-13	-46.91	-64.35	1.71	8.30	V
Highest	1694.00	-62.71	-13	-49.71	-65.95	1.11	6.50	H
	2540.00	-60.61	-13	-47.61	-63.23	1.43	6.20	H
	3384.00	-60.19	-13	-47.19	-64.63	1.71	8.30	H
	1694.00	-61.86	-13	-48.86	-65.10	1.11	6.50	V
	2540.00	-60.49	-13	-47.49	-63.11	1.43	6.20	V
	3384.00	-59.72	-13	-46.72	-64.16	1.71	8.30	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-50.67	-13	-37.67	-62.93	2.641	14.90	H
	5556	-38.79	-13	-25.79	-50.65	2.94	14.80	H
	7404	-42.75	-13	-29.75	-52.52	3.39	13.16	H
	3705	-54.80	-13	-41.80	-67.06	2.64	14.90	V
	5556	-42.20	-13	-29.20	-54.06	2.94	14.80	V
	7404	-43.03	-13	-30.03	-52.80	3.39	13.16	V
Middle	3759	-48.85	-13	-35.85	-61.11	2.641	14.90	H
	5640	-39.29	-13	-26.29	-51.15	2.94	14.80	H
	7524	-41.33	-13	-28.33	-51.10	3.39	13.16	H
	9396	-43.64	-13	-30.64	-54.12	4.00	14.48	H
	3759	-48.92	-13	-35.92	-61.18	2.64	14.90	V
	5640	-43.72	-13	-30.72	-55.58	2.94	14.80	V
	7524	-41.68	-13	-28.68	-51.45	3.39	13.16	V
	9396	-45.40	-13	-32.40	-55.88	4.00	14.48	V
Highest	3816	-47.05	-13	-34.05	-59.31	2.641	14.90	H
	5724	-36.40	-13	-23.40	-48.26	2.94	14.80	H
	7632	-42.16	-13	-29.16	-51.93	3.39	13.16	H
	3816	-46.93	-13	-33.93	-59.19	2.64	14.90	V
	5724	-38.95	-13	-25.95	-50.81	2.94	14.80	V
	7632	-42.10	-13	-29.10	-51.87	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3426	-55.57	-13	-42.57	-66.31	2.604	13.34	H
	5136	-36.43	-13	-23.43	-46.94	3.011	13.52	H
	6852	-52.54	-13	-39.54	-62.74	3.271	13.47	H
	3426	-55.84	-13	-42.84	-66.58	2.604	13.34	V
	5136	-37.56	-13	-24.56	-48.07	3.011	13.52	V
	6852	-52.42	-13	-39.42	-62.62	3.271	13.47	V
Middle	3465	-58.39	-13	-45.39	-69.13	2.604	13.34	H
	5199	-37.27	-13	-24.27	-47.78	3.011	13.52	H
	6936	-52.08	-13	-39.08	-62.28	3.271	13.47	H
	3465	-57.48	-13	-44.48	-68.22	2.604	13.34	V
	5199	-40.34	-13	-27.34	-50.85	3.011	13.52	V
	6936	-51.60	-13	-38.60	-61.80	3.271	13.47	V
Highest	3504	-54.37	-13	-41.37	-65.11	2.604	13.34	H
	5259	-31.86	-13	-18.86	-42.37	3.011	13.52	H
	7008	-50.59	-13	-37.59	-60.79	3.271	13.47	H
	3504	-53.81	-13	-40.81	-64.55	2.604	13.34	V
	5259	-33.69	-13	-20.69	-44.20	3.011	13.52	V
	7008	-50.66	-13	-37.66	-60.86	3.271	13.47	V

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