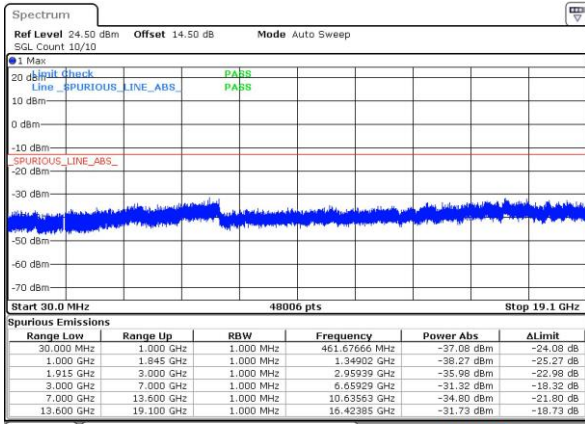




GSM1900 (GSM)

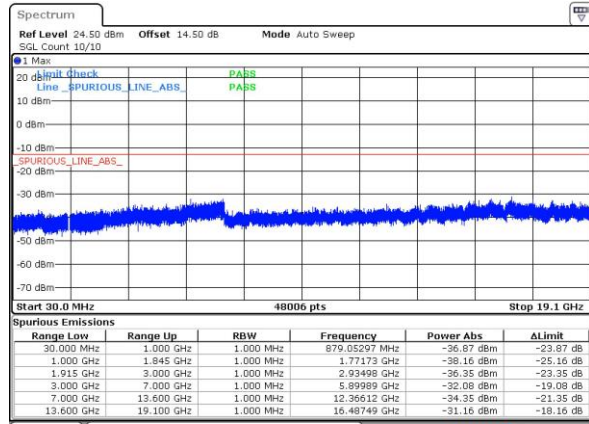
Lowest Channel



Date: 26 MAY 2017 17:07:33

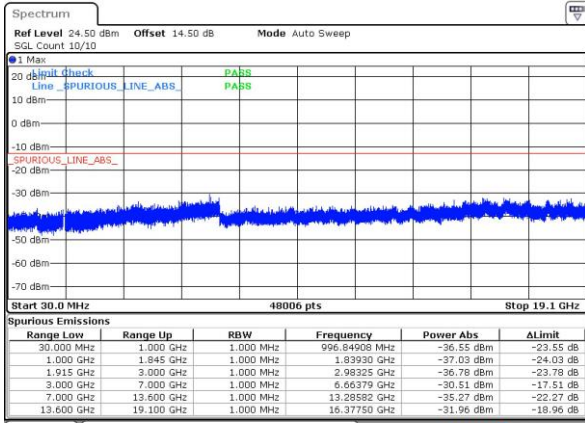
GSM1900 (EDGE class 8)

Lowest Channel



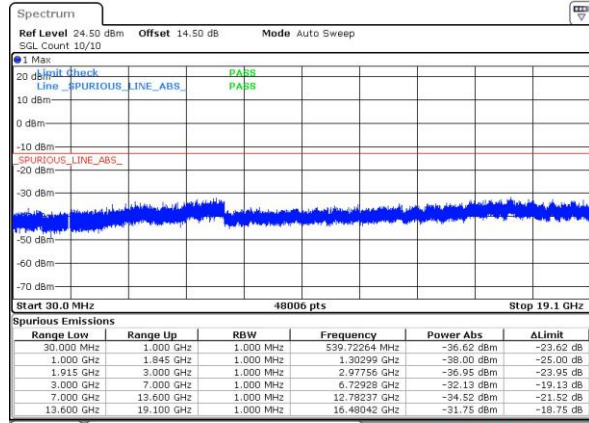
Date: 26 MAY 2017 17:42:22

Middle Channel



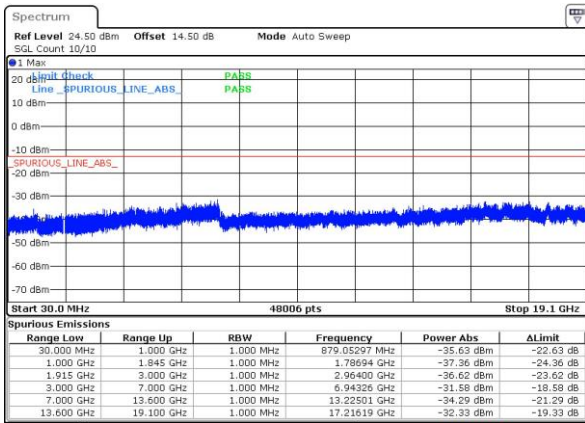
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Middle Channel



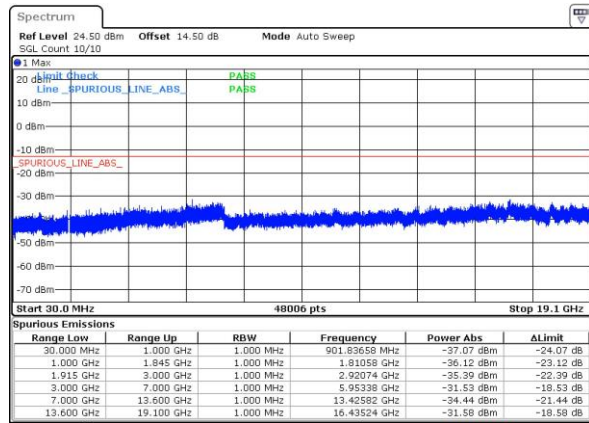
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Highest Channel



Date: 26 MAY 2017 17:10:22

Highest Channel

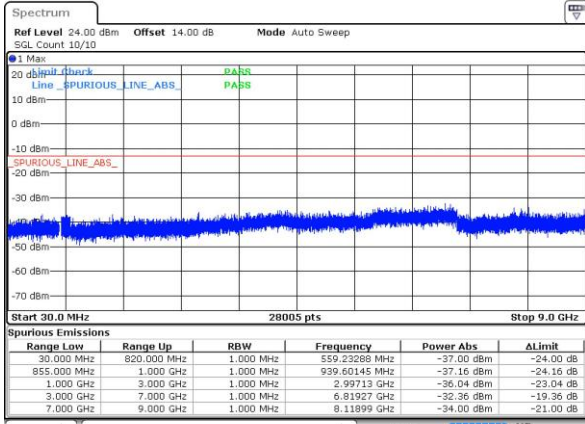


Date: 26 MAY 2017 17:45:33



WCDMA Band V (RMC 12.2Kbps)

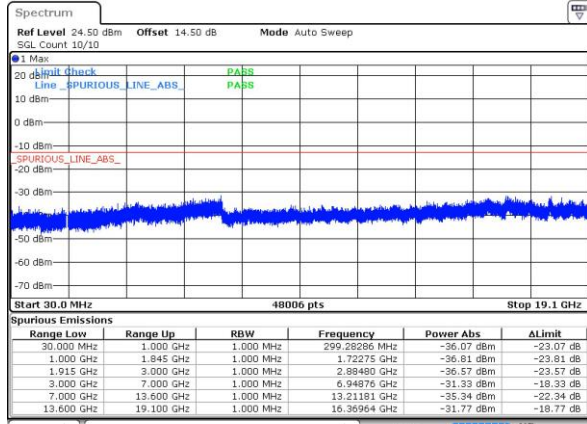
Lowest Channel



Date: 26 MAY 2017 18:10:44

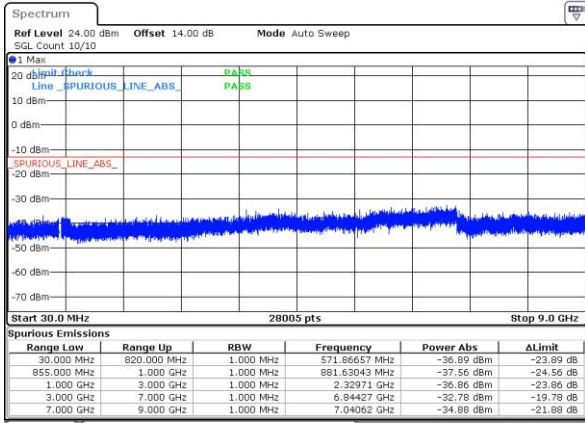
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



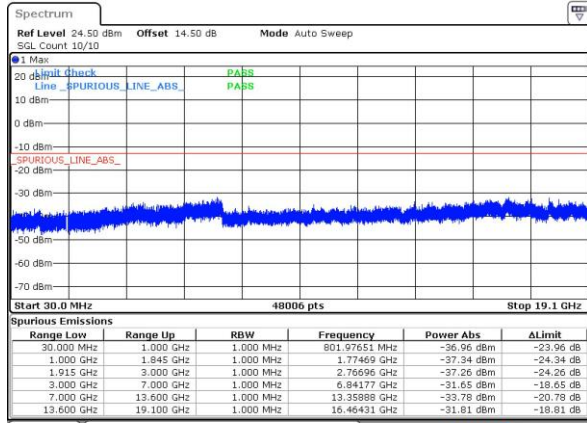
Date: 26 MAY 2017 18:51:25

Middle Channel



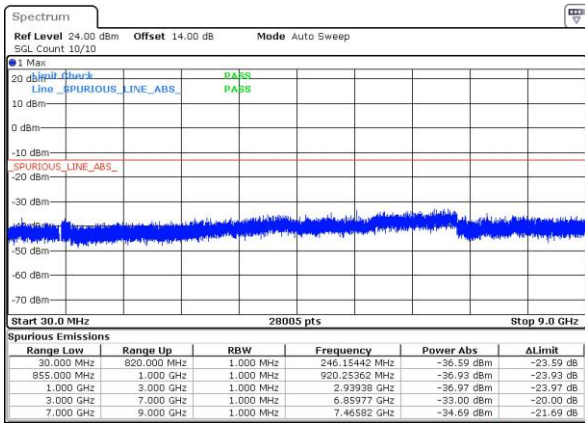
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Middle Channel



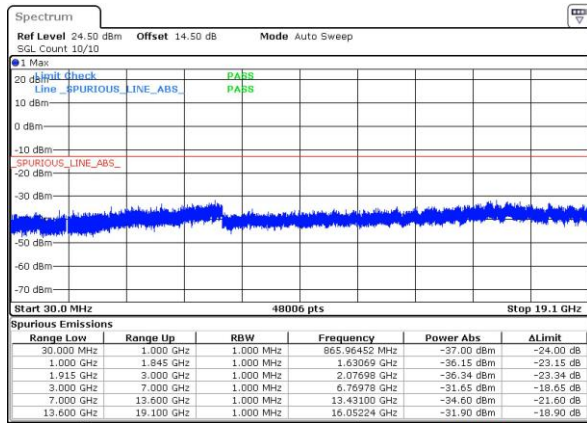
Date: 26 MAY 2017 18:52:47

Highest Channel



Date: 26 MAY 2017 18:16:23

Highest Channel

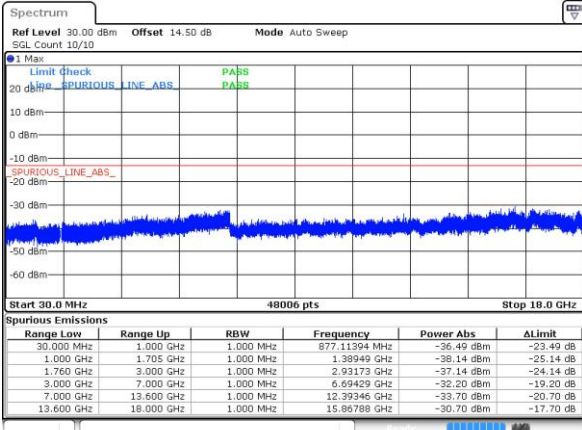


Date: 26 MAY 2017 18:54:12

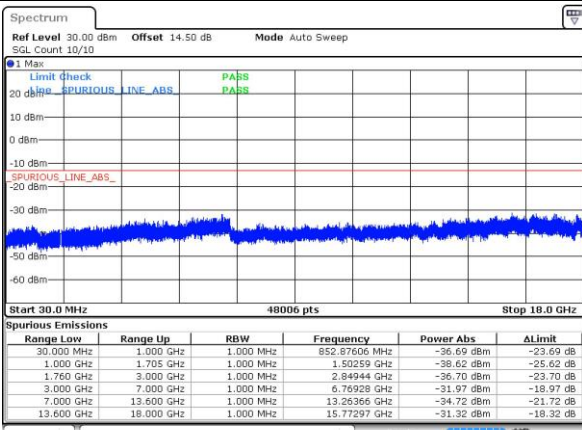


WCDMA Band IV (RMC 12.2Kbps)

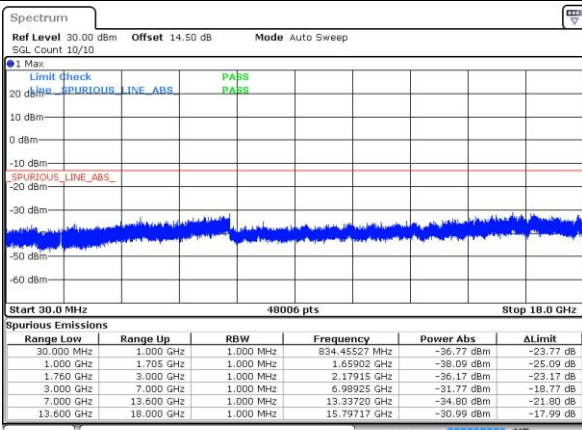
Lowest Channel



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	0.0029	0.0012	PASS
40	Normal Voltage	0.0038	0.0026	
30	Normal Voltage	0.0008	0.0045	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0121	0.0005	
0	Normal Voltage	0.0152	0.0010	
-10	Normal Voltage	0.0042	0.0006	
-20	Normal Voltage	0.0126	0.0020	
-30	Normal Voltage	0.0018	0.0105	
20	Maximum Voltage	0.0025	0.0027	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0057	0.0014	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V



Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0024	0.0036	PASS
40	Normal Voltage	0.0049	0.0011	
30	Normal Voltage	0.0003	0.0038	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0013	0.0102	
0	Normal Voltage	0.0001	0.0059	
-10	Normal Voltage	0.0016	0.0052	
-20	Normal Voltage	0.0004	0.0024	
-30	Normal Voltage	0.0012	0.0150	
20	Maximum Voltage	0.0031	0.0024	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0019	0.0072	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 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	0.0027	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0112	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note: Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 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	0.0025	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.4 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	1672.8	-69.93	-13	-56.93	-75.49	-74.34	2.84	9.40	H
	2509.2	-67.22	-13	-54.22	-77.64	-71.97	3.7	10.60	H
	3345.6	-64.76	-13	-51.76	-79.52	-70.84	4.37	12.60	H
	1672.8	-69.12	-13	-56.12	-73.83	-73.53	2.84	9.40	V
	2509.2	-67.73	-13	-54.73	-77.56	-72.48	3.70	10.60	V
	3345.6	-65.89	-13	-52.89	-79.46	-71.97	4.37	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	1672.8	-70.96	-13	-57.96	-76.52	-75.37	2.84	9.40	H
	2509.2	-68.27	-13	-55.27	-78.69	-73.02	3.7	10.60	H
	3345.6	-65.98	-13	-52.98	-80.74	-72.06	4.37	12.60	H
	1672.8	-71.95	-13	-58.95	-76.66	-76.36	2.84	9.40	V
	2509.2	-69.01	-13	-56.01	-78.84	-73.76	3.70	10.60	V
	3345.6	-67.28	-13	-54.28	-80.85	-73.36	4.37	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	-46.68	-13	-33.68	-66.29	-54.43	4.85	12.60	H
	5640	-57.66	-13	-44.66	-81.11	-65.18	5.58	13.10	H
	7520	-58.57	-13	-45.57	-82.09	-63.31	6.56	11.30	H
	9400	-50.99	-13	-37.99	-79.03	-55.42	7.47	11.90	H
	3760	-58.23	-13	-45.23	-78.62	-65.98	4.85	12.6	V
	5640	-53.98	-13	-40.98	-78.03	-61.50	5.58	13.1	V
	7520	-58.97	-13	-45.97	-82.51	-63.71	6.56	11.3	V
	9400	-52.92	-13	-39.92	-80.67	-57.35	7.47	11.9	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	-40.89	-13	-27.89	-60.92	-48.64	4.85	12.60	H
	5640	-55.42	-13	-42.42	-78.87	-62.94	5.58	13.10	H
	7520	-57.39	-13	-44.39	-80.91	-62.13	6.56	11.30	H
	9400	-52.98	-13	-39.98	-81.02	-57.41	7.47	11.90	H
	3760	-47.33	-13	-34.33	-67.72	-55.08	4.85	12.6	V
	5640	-52.68	-13	-39.68	-76.73	-60.20	5.58	13.1	V
	7520	-58.12	-13	-45.12	-81.66	-62.86	6.56	11.3	V
	9400	-51.92	-13	-38.92	-79.67	-56.35	7.47	11.9	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	1673.04	-71.10	-13	-58.10	-76.66	-75.51	2.84	9.40	H
	2509.56	-68.29	-13	-55.29	-78.71	-73.04	3.7	10.60	H
	3346.08	-66.15	-13	-53.15	-80.91	-72.23	4.37	12.60	H
	1673.04	-71.98	-13	-58.98	-76.69	-76.39	2.84	9.40	V
	2509.56	-68.98	-13	-55.98	-78.81	-73.73	3.70	10.60	V
	3346.08	-67.31	-13	-54.31	-80.88	-73.39	4.37	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	-49.06	-13	-36.06	-68.67	-56.81	4.85	12.60	H
	5640	-59.48	-13	-46.48	-82.93	-67.00	5.58	13.10	H
	7520	-58.57	-13	-45.57	-82.09	-63.31	6.56	11.30	H
	3760	-52.79	-13	-39.79	-73.18	-60.54	4.85	12.6	V
	5640	-58.79	-13	-45.79	-82.84	-66.31	5.58	13.1	V
	7520	-58.97	-13	-45.97	-82.51	-63.71	6.56	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	-53.39	-13	-40.39	-72.72	-61.62	4.37	12.60	H
	5197.8	-60.40	-13	-47.40	-84.56	-68.16	4.94	12.70	H
	6930.4	-58.06	-13	-45.06	-81.97	-63.44	6.32	11.70	H
	3465.2	-60.48	-13	-47.48	-76.56	-68.71	4.37	12.60	V
	5197.8	-64.92	-13	-51.92	-84.43	-72.68	4.94	12.70	V
	6930.4	-58.46	-13	-45.46	-82.37	-63.84	6.32	11.70	V

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