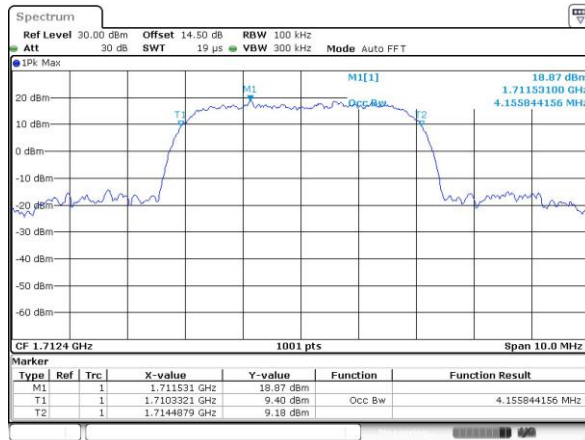


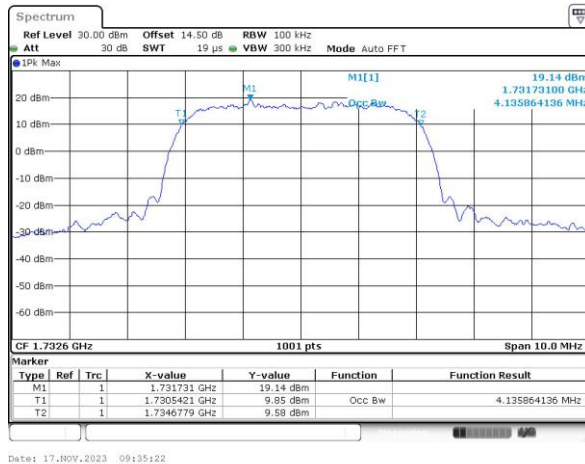


WCDMA Band IV (RMC 12.2Kbps)

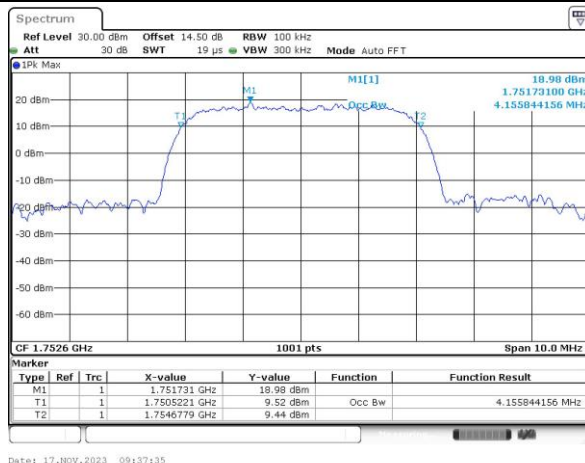
Lowest Channel



Middle Channel



Highest Channel

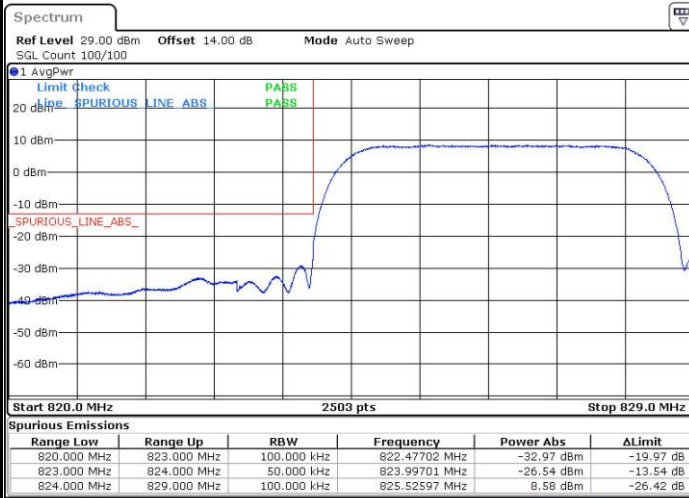




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

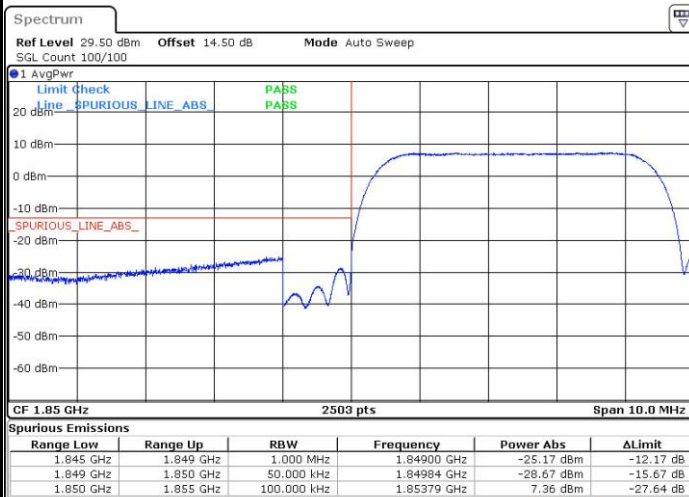


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



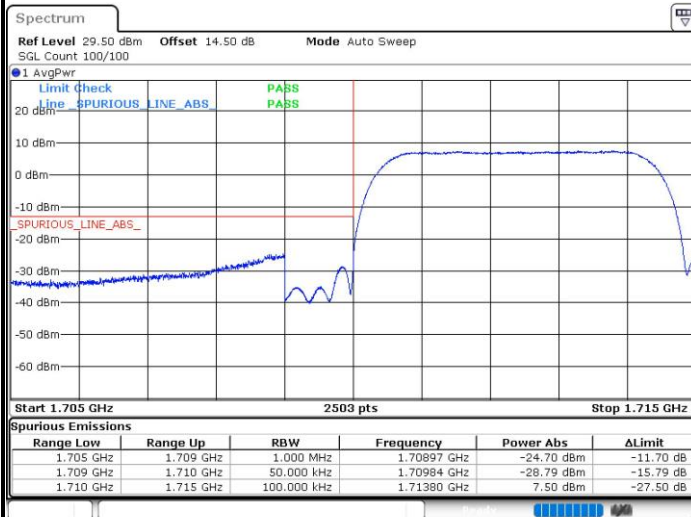
Highest Band Edge



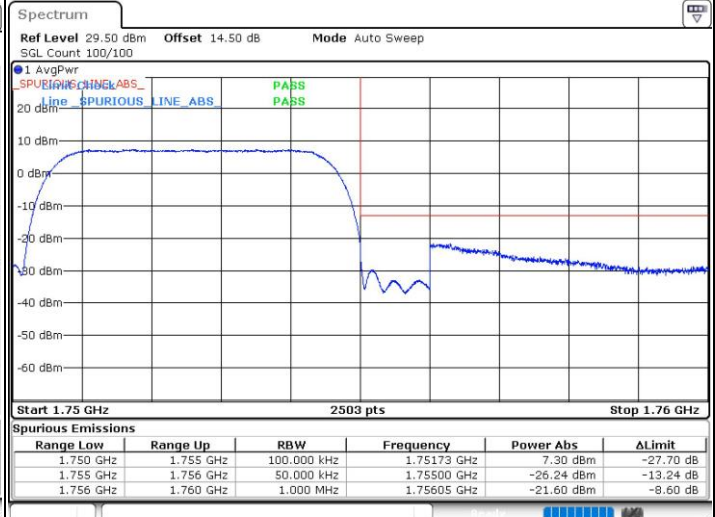


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

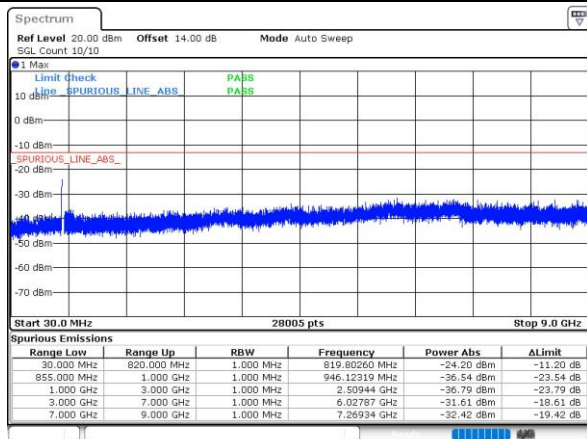




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

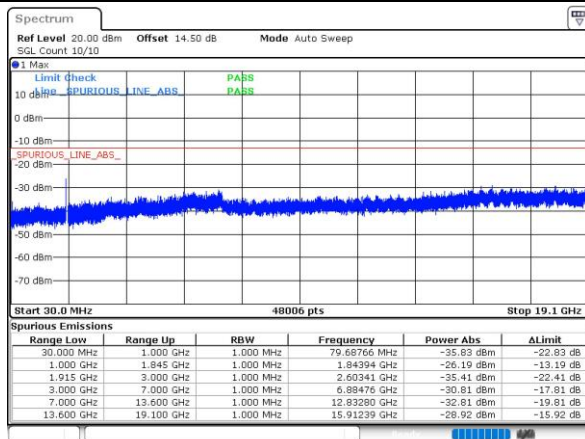
Lowest Channel



Date: 17.NOV.2023 09:48:40

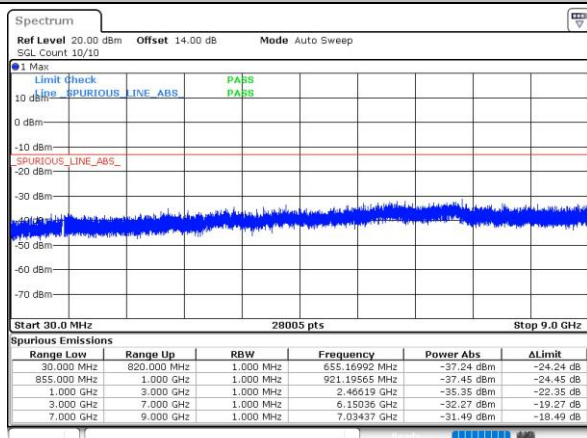
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



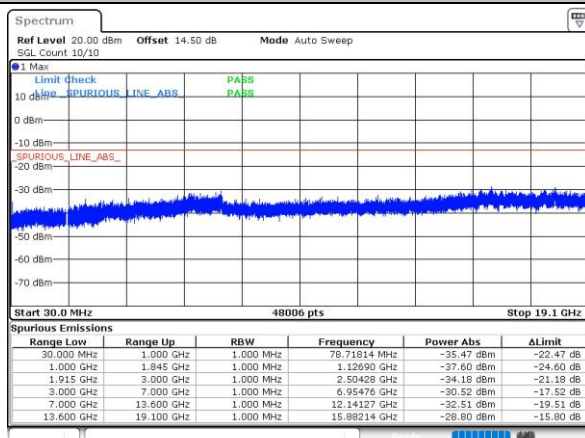
Date: 17.NOV.2023 09:17:50

Middle Channel



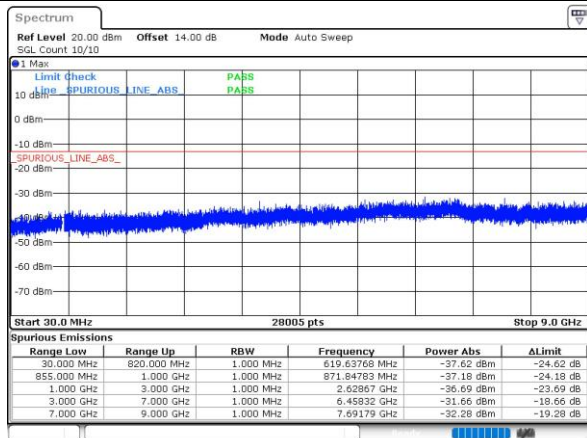
Date: 17.NOV.2023 09:52:19

Middle Channel



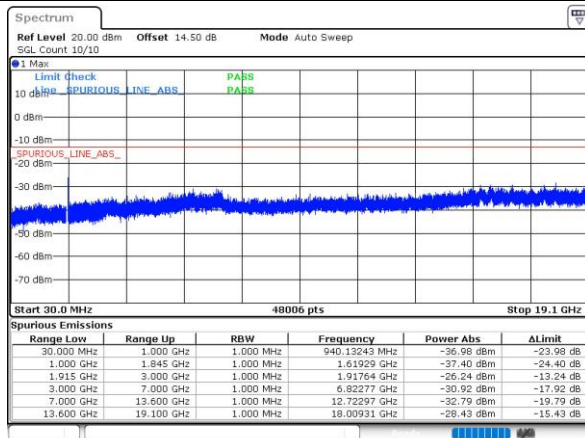
Date: 17.NOV.2023 09:20:26

Highest Channel



Date: 17.NOV.2023 09:57:25

Highest Channel

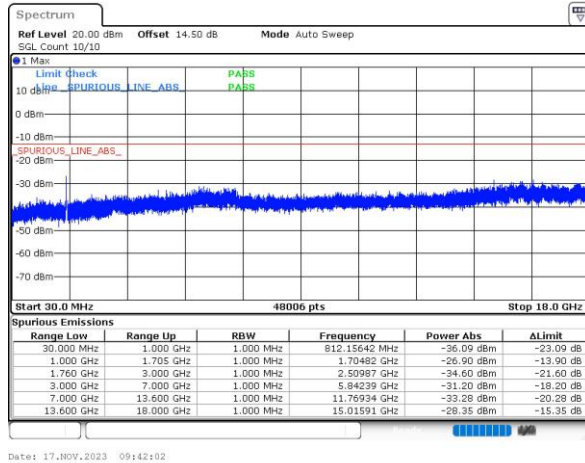


Date: 17.NOV.2023 09:10:55

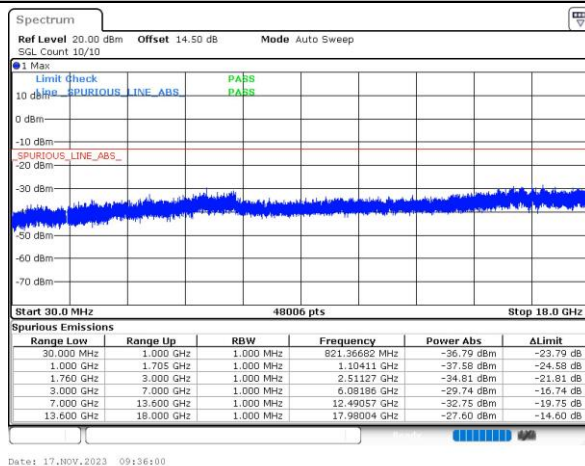


WCDMA Band IV (RMC 12.2Kbps)

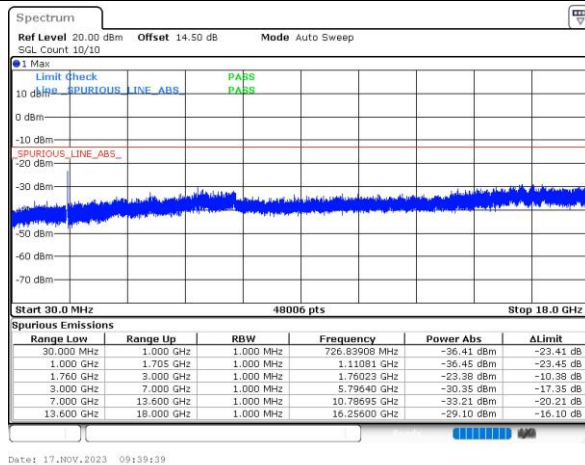
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2.
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 7.78V. ; Battery End Point (BEP) = 7.3 V. ; Maximum Voltage =8.7 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

Test Engineer :	Reid Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE Pretest all the supported antennas, only the worst results are shown in the report.

Sample 1:

GSM850 (GSM) / ANT 0									
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	-58.50	-13	-45.50	-63.48	-61.75	4.00	9.40	H
	2509.2	-62.06	-13	-49.06	-71.01	-65.63	4.88	10.60	H
	3345.6	-65.33	-13	-52.33	-76.50	-70.26	5.52	12.60	H
	1672.8	-63.49	-13	-50.49	-68.19	-66.74	4.00	9.40	V
	2509.2	-65.29	-13	-52.29	-74.57	-68.86	4.88	10.60	V
	3345.6	-65.06	-13	-52.06	-76.61	-69.99	5.52	12.60	V

GSM850 (EDGE 1 Tx slots) / ANT 0									
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	-61.25	-13	-48.25	-66.23	-64.50	4.00	9.40	H
	2509.2	-61.28	-13	-48.28	-70.23	-64.85	4.88	10.60	H
	3345.6	-64.90	-13	-51.90	-76.07	-69.83	5.52	12.60	H
	1672.8	-63.74	-13	-50.74	-68.44	-66.99	4.00	9.40	V
	2509.2	-64.24	-13	-51.24	-73.52	-67.81	4.88	10.60	V
	3345.6	-64.81	-13	-51.81	-76.36	-69.74	5.52	12.60	V

WCDMA Band V(RMC 12.2Kbps) / ANT 0									
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	-69.05	-13	-56.05	-74.03	-72.30	4.00	9.40	H
	2509.2	-66.52	-13	-53.52	-75.47	-70.09	4.88	10.60	H
	3345.6	-65.54	-13	-52.54	-76.71	-70.47	5.52	12.60	H
	1672.8	-69.38	-13	-56.38	-74.08	-72.63	4.00	9.40	V
	2509.2	-65.82	-13	-52.82	-75.10	-69.39	4.88	10.60	V
	3345.6	-65.13	-13	-52.13	-76.68	-70.06	5.52	12.60	V



GSM1900 (GSM) / ANT 1									
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	-51.75	-13	-38.75	-65.55	-58.50	5.85	12.60	H
	5640	-30.09	-13	-17.09	-46.55	-35.89	7.30	13.10	H
	7520	-58.48	-13	-45.48	-79.63	-61.63	8.35	11.50	H
	3760	-52.23	-13	-39.23	-66.21	-58.98	5.85	12.60	V
	5640	-30.44	-13	-17.44	-46.79	-36.24	7.30	13.10	V
	7520	-58.53	-13	-45.53	-79.56	-61.68	8.35	11.50	V

GSM1900 (EDGE 1 Tx slots) / ANT 1									
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	-51.15	-13	-38.15	-64.95	-57.90	5.85	12.60	H
	5640	-29.63	-13	-16.63	-46.09	-35.43	7.30	13.10	H
	7520	-58.16	-13	-45.16	-79.31	-61.31	8.35	11.50	H
	3760	-49.59	-13	-36.59	-63.57	-56.34	5.85	12.60	V
	5640	-34.12	-13	-21.12	-50.47	-39.92	7.30	13.10	V
	7520	-58.39	-13	-45.39	-79.42	-61.54	8.35	11.50	V

WCDMA Band II(RMC 12.2Kbps) / ANT 1									
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	-57.59	-13	-44.59	-71.39	-64.34	5.85	12.60	H
	5640	-45.14	-13	-32.14	-61.60	-50.94	7.30	13.10	H
	7520	-57.68	-13	-44.68	-78.83	-60.83	8.35	11.50	H
	3760	-60.85	-13	-47.85	-74.83	-67.60	5.85	12.60	V
	5640	-45.55	-13	-32.55	-61.9	-51.35	7.30	13.10	V
	7520	-58.50	-13	-45.50	-79.53	-61.65	8.35	11.50	V

WCDMA Band IV(RMC 12.2Kbps) / ANT 1									
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	-63.20	-13	-50.20	-75.22	-70.05	5.65	12.50	H
	5197.8	-48.73	-13	-35.73	-64.98	-54.40	7.13	12.80	H
	6930.4	-59.43	-13	-46.43	-79.30	-62.83	8.40	11.80	H
	3465.2	-62.84	-13	-49.84	-75.4	-69.69	5.65	12.50	V
	5197.8	-54.37	-13	-41.37	-70.57	-60.04	7.13	12.80	V
	6930.4	-59.68	-13	-46.68	-79.56	-63.08	8.40	11.80	V

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

**Sample 2:**

WCDMA Band II(RMC 12.2Kbps) / ANT 1									
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	-59.78	-13	-46.78	-73.58	-66.53	5.85	12.60	H
	5640	-46.45	-13	-33.45	-62.91	-52.25	7.30	13.10	H
	7520	-58.09	-13	-45.09	-79.24	-61.24	8.35	11.50	H
	3760	-59.20	-13	-46.20	-73.18	-65.95	5.85	12.60	V
	5640	-52.84	-13	-39.84	-69.19	-58.64	7.30	13.10	V
	7520	-57.92	-13	-44.92	-78.95	-61.07	8.35	11.50	V

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