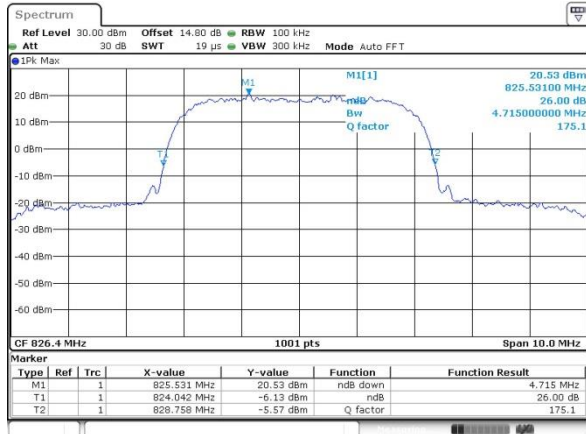




WCDMA Band V (RMC 12.2Kbps)

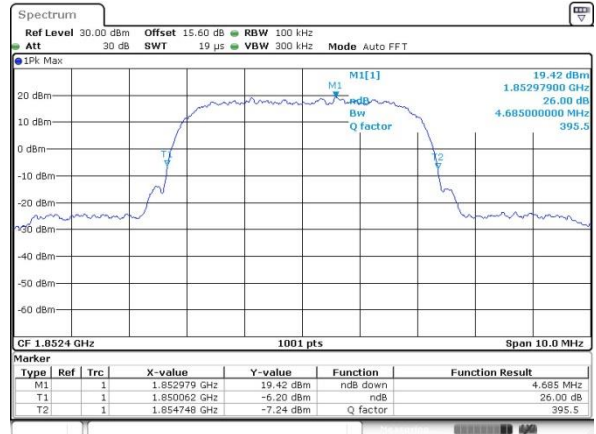
Lowest Channel



Date: 12.MAY.2022 17:04:27

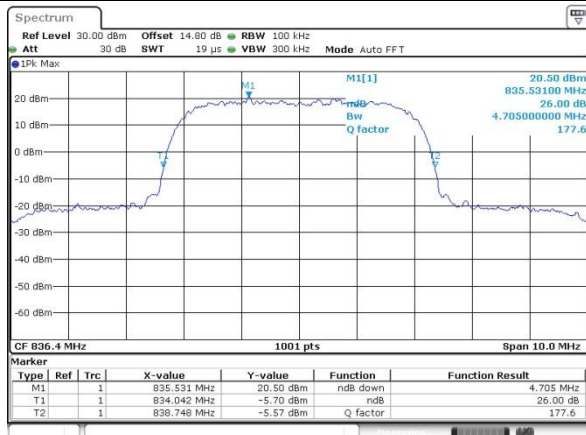
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



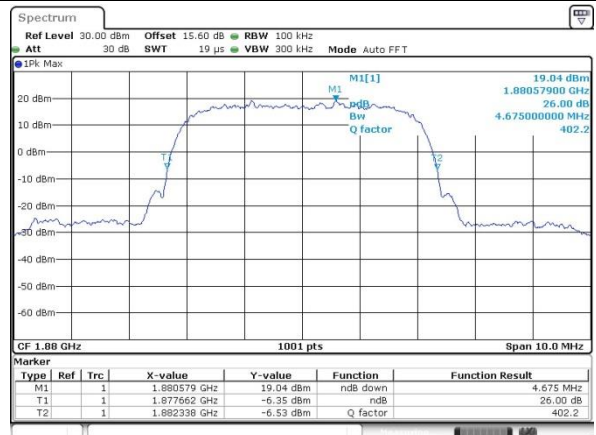
Date: 12.MAY.2022 16:40:23

Middle Channel



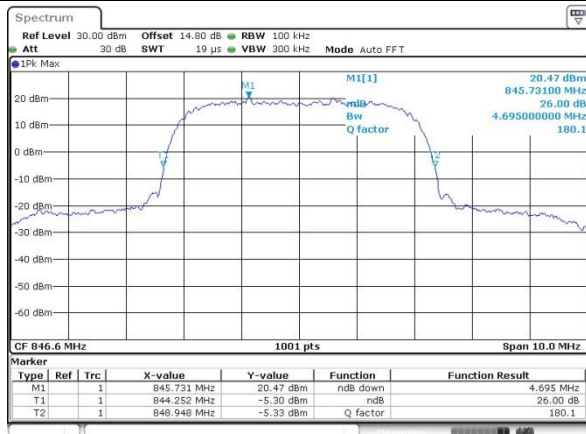
Date: 12.MAY.2022 17:04:51

Middle Channel



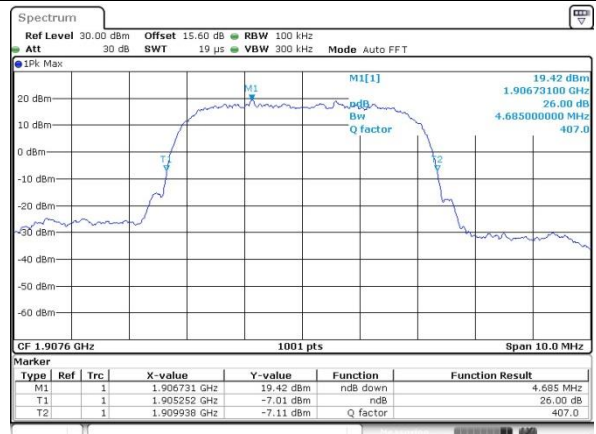
Date: 12.MAY.2022 16:41:24

Highest Channel



Date: 12.MAY.2022 17:05:16

Highest Channel

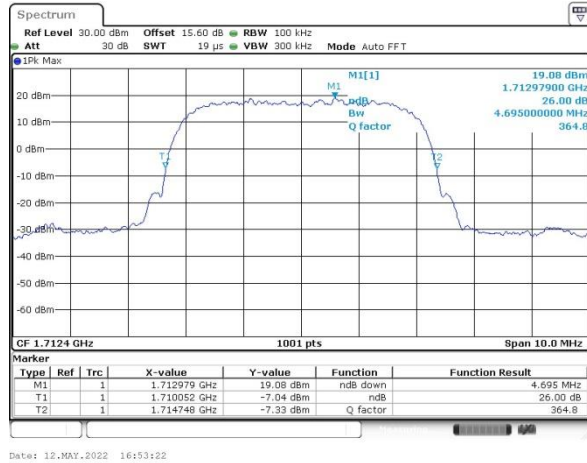


Date: 12.MAY.2022 16:42:11

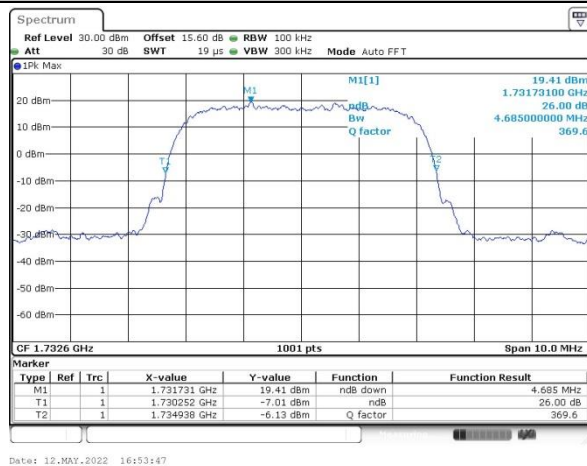


WCDMA Band IV (RMC 12.2Kbps)

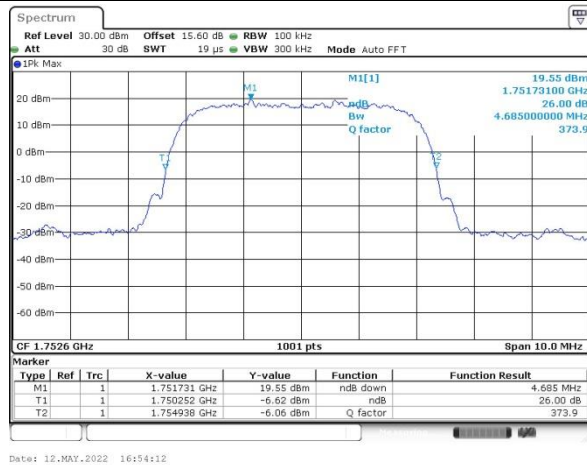
Lowest Channel



Middle Channel



Highest Channel



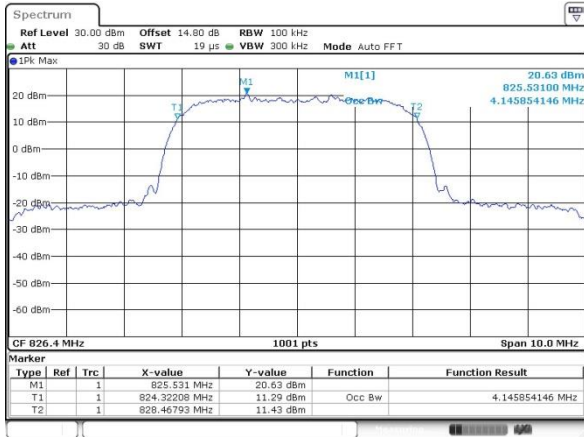
**Occupied Bandwidth**

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.13	4.14
Middle CH	4.15	4.14	4.14
Highest CH	4.14	4.14	4.15



WCDMA Band V (RMC 12.2Kbps)

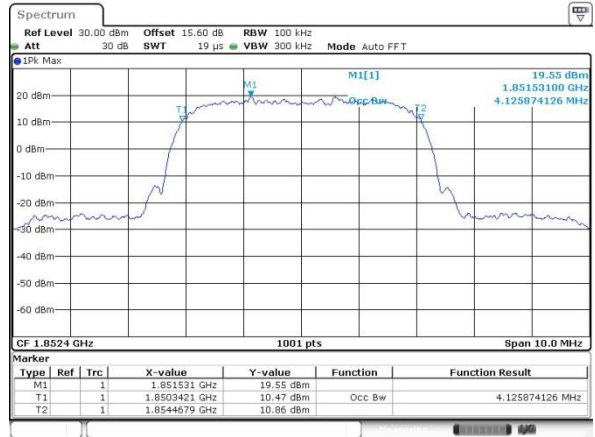
Lowest Channel



Date: 12.MAY.2022 17:08:04

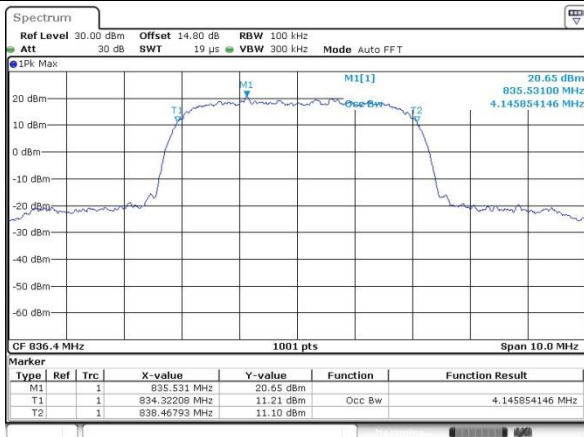
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



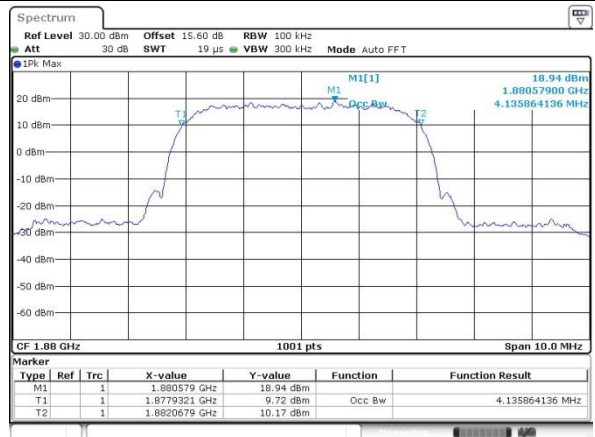
Date: 12.MAY.2022 16:45:136

Middle Channel



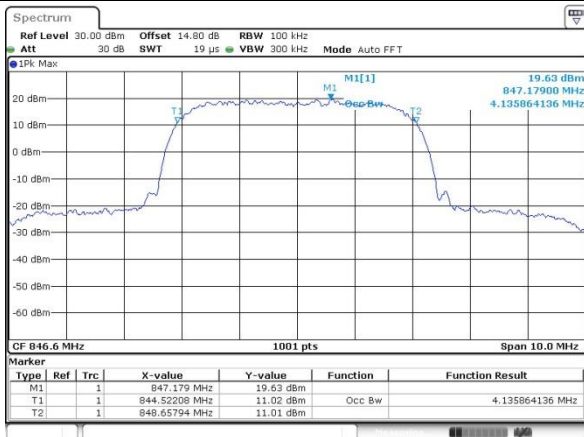
Date: 12.MAY.2022 17:08:28

Middle Channel



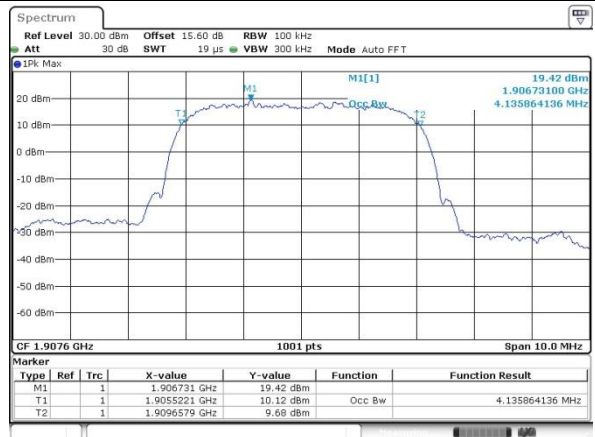
Date: 12.MAY.2022 16:45:159

Highest Channel



Date: 12.MAY.2022 17:08:52

Highest Channel

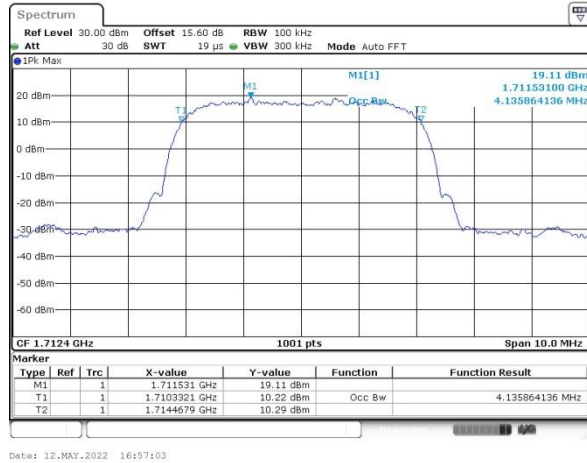


Date: 12.MAY.2022 16:46:23

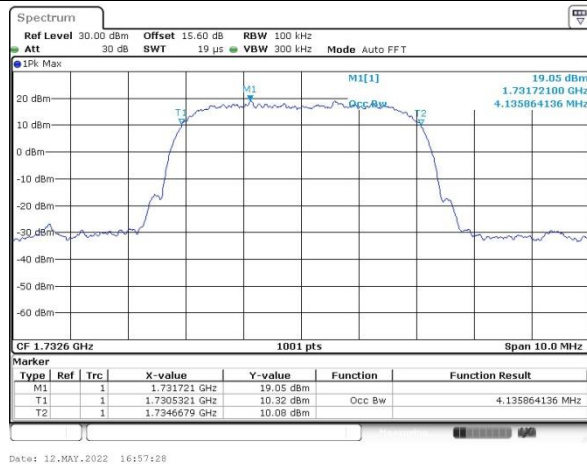


WCDMA Band IV (RMC 12.2Kbps)

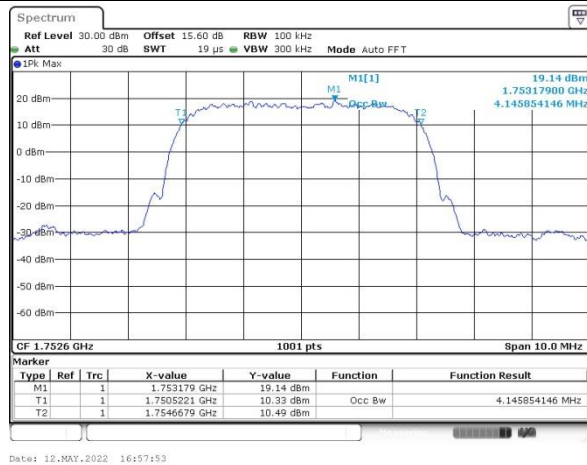
Lowest Channel

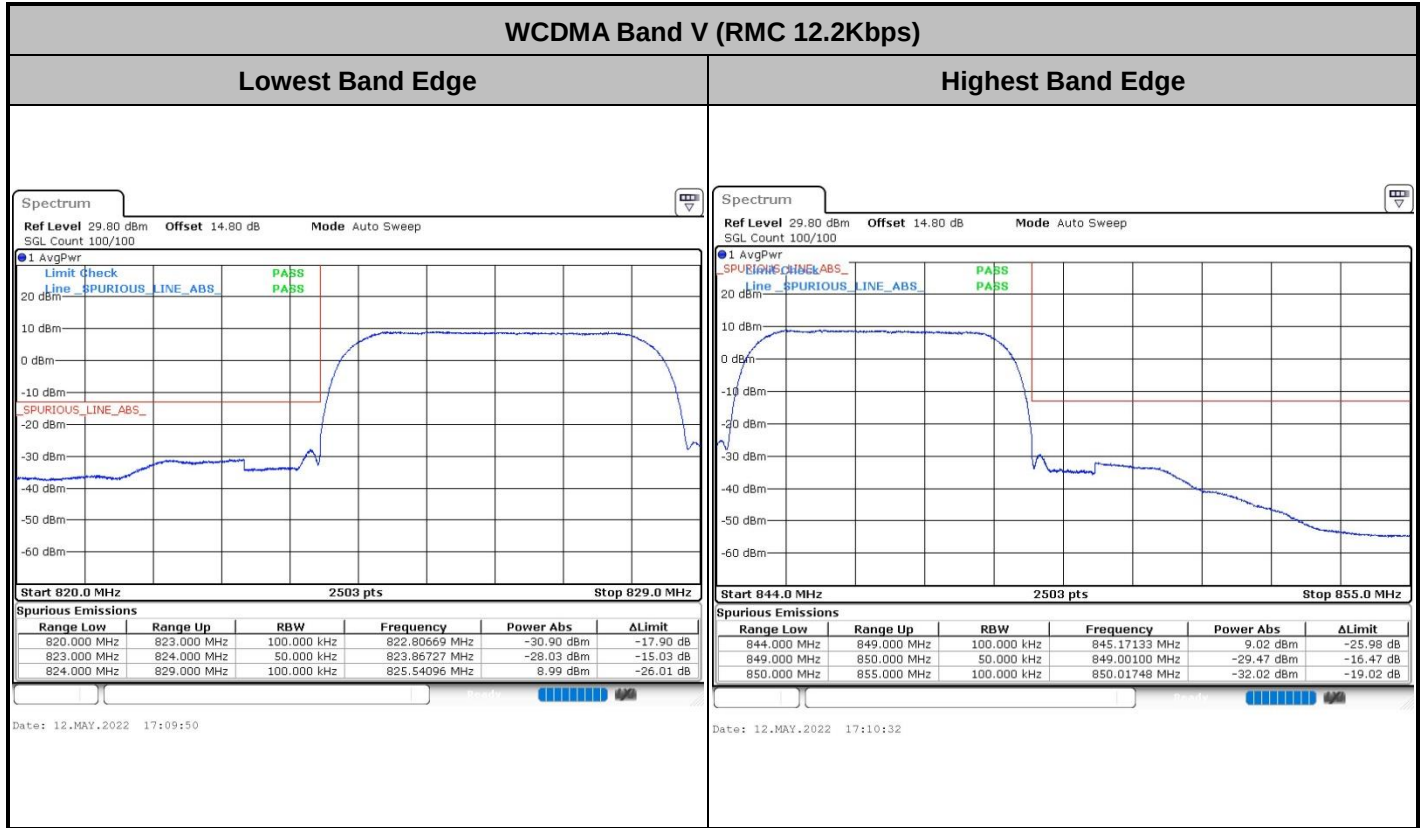


Middle Channel



Highest Channel

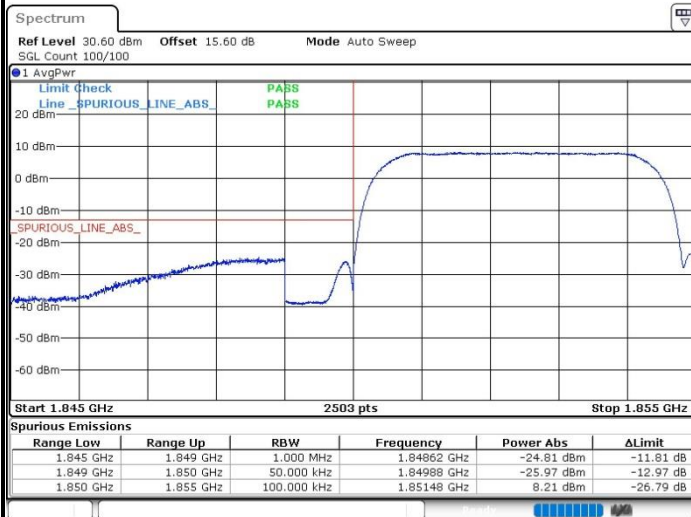


**Conducted Band Edge**

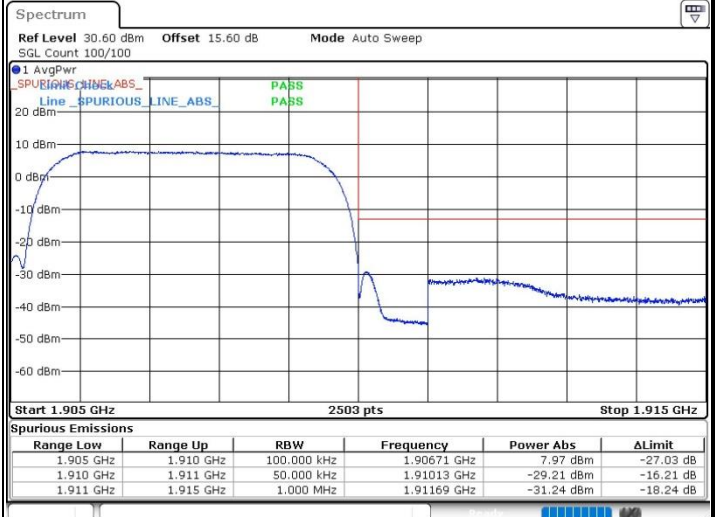


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

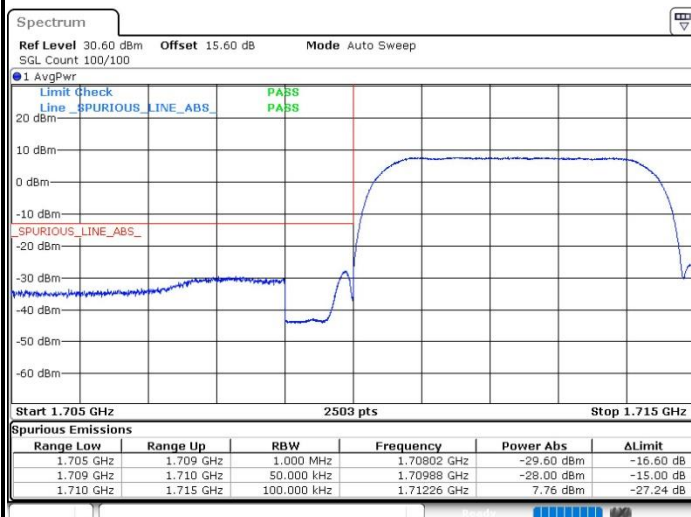


Highest Band Edge

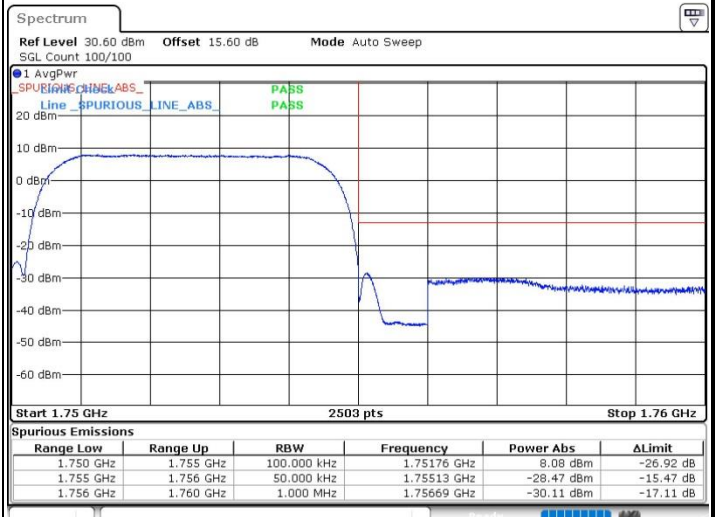


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

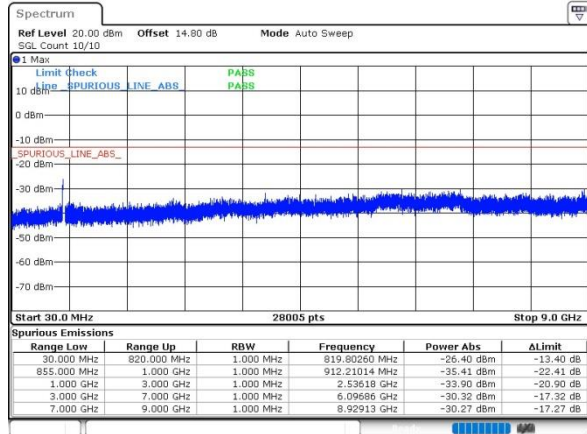




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

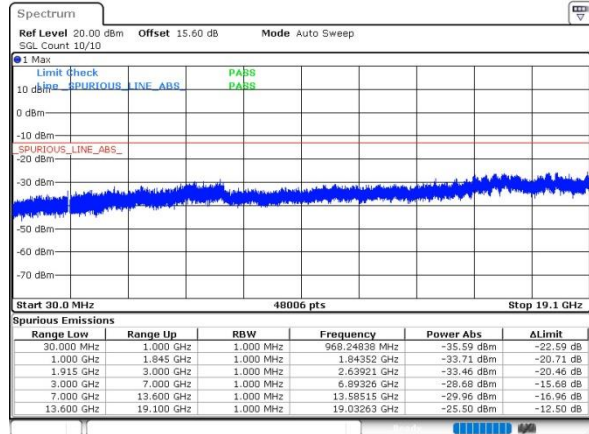
Lowest Channel



Date: 12.MAY.2022 17:10:58

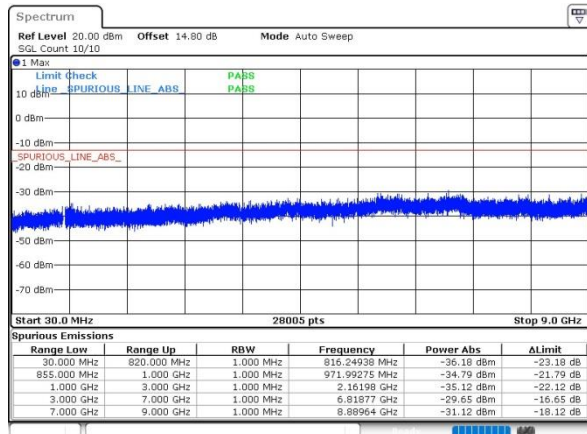
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



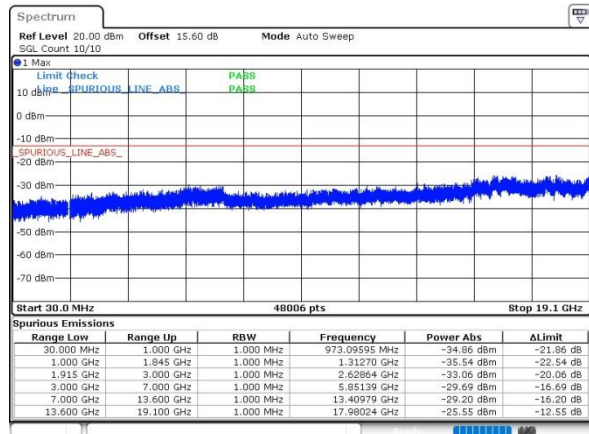
Date: 12.MAY.2022 16:48:35

Middle Channel



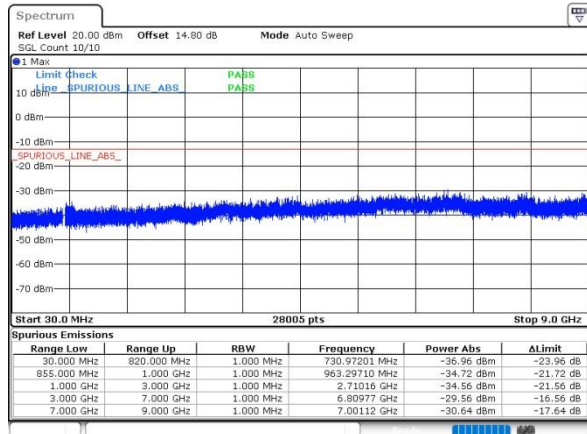
Date: 12.MAY.2022 17:11:28

Middle Channel



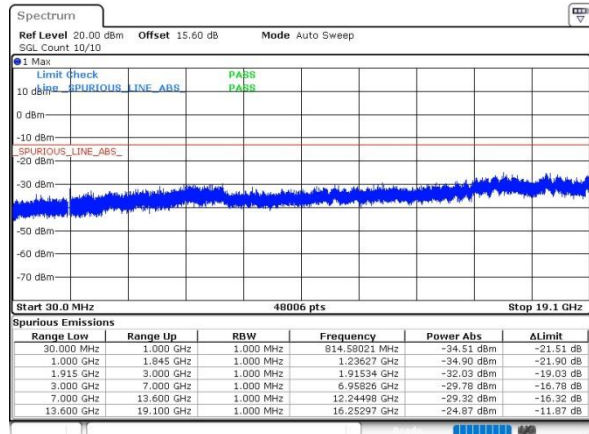
Date: 12.MAY.2022 16:48:58

Highest Channel



Date: 12.MAY.2022 17:12:51

Highest Channel

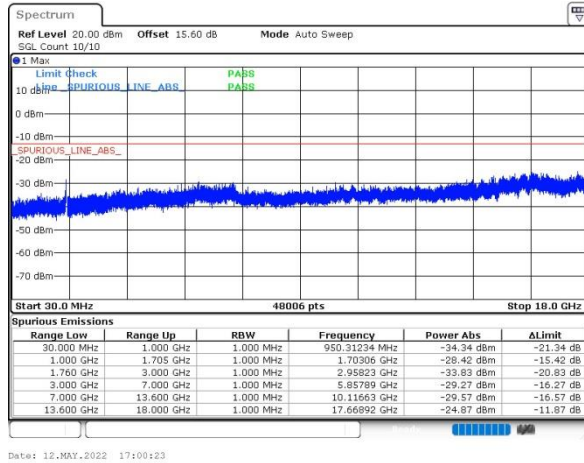


Date: 12.MAY.2022 16:50:18

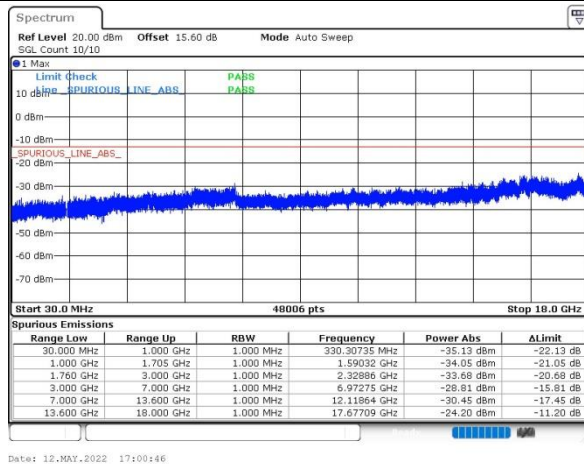


WCDMA Band IV (RMC 12.2Kbps)

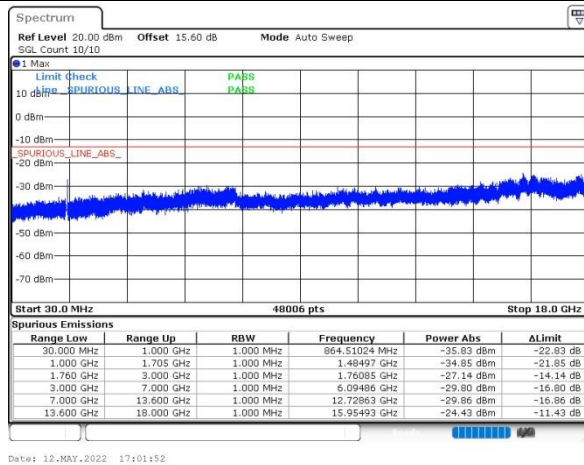
Lowest Channel



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	0.0049	PASS
40	Normal Voltage	0.0326	
30	Normal Voltage	0.0433	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0071	
0	Normal Voltage	0.0268	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0179	
-30	Normal Voltage	0.0337	
20	Maximum Voltage	0.0396	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0067	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0158	PASS
40	Normal Voltage	0.0142	
30	Normal Voltage	0.0133	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0146	
0	Normal Voltage	0.0137	
-10	Normal Voltage	0.0245	
-20	Normal Voltage	0.0079	
-30	Normal Voltage	0.0122	
20	Maximum Voltage	0.0176	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0056	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0043	PASS
40	Normal Voltage	0.0172	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0123	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0109	

Note:

1. Normal Voltage = 3.89V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.48V
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 :	Zhao hui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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	-53.42	-13	-40.42	-64.98	-56.65	3.98	9.36	H
	2472.6	-43.09	-13	-30.09	-61.73	-46.64	4.85	10.55	H
	3296.8	-58.04	-13	-45.04	-78.82	-62.97	5.50	12.58	H
	1648.4	-53.32	-13	-40.32	-65.52	-56.55	3.98	9.36	V
	2472.6	-47.64	-13	-34.64	-66.60	-51.19	4.85	10.55	V
	3296.8	-57.15	-13	-44.15	-78.82	-62.08	5.50	12.58	V
Middle	1672.8	-55.07	-13	-42.07	-66.78	-58.32	4.00	9.40	H
	2509.2	-45.78	-13	-32.78	-64.68	-49.35	4.88	10.60	H
	3345.6	-58.45	-13	-45.45	-79.52	-63.38	5.52	12.60	H
	1672.8	-56.87	-13	-43.87	-69.29	-60.12	4.00	9.40	V
	2509.2	-50.88	-13	-37.88	-69.99	-54.45	4.88	10.60	V
	3345.6	-58.31	-13	-45.31	-79.68	-63.24	5.52	12.60	V
Highest	1697.6	-58.43	-13	-45.43	-70.43	-61.60	4.10	9.42	H
	2546.4	-45.62	-13	-32.62	-64.68	-49.20	4.90	10.63	H
	3395.2	-58.65	-13	-45.65	-78.44	-63.57	5.55	12.62	H
	1697.6	-58.93	-13	-45.93	-71.60	-62.10	4.10	9.42	V
	2546.4	-48.60	-13	-35.60	-67.88	-52.18	4.90	10.63	V
	3395.2	-57.99	-13	-44.99	-79.11	-62.91	5.55	12.62	V

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

GSM850 (EDGE 1 Tx slots)									
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	-54.15	-13	-41.15	-65.71	-57.38	3.98	9.36	H
	2472.6	-41.91	-13	-28.91	-60.55	-45.46	4.85	10.55	H
	3296.8	-58.04	-13	-45.04	-78.82	-62.97	5.50	12.58	H
	1648.4	-55.43	-13	-42.43	-67.63	-58.66	3.98	9.36	V
	2472.6	-47.13	-13	-34.13	-66.09	-50.68	4.85	10.55	V
	3296.8	-57.42	-13	-44.42	-79.09	-62.35	5.50	12.58	V
Middle	1672.8	-54.90	-13	-41.90	-66.61	-58.15	4.00	9.40	H
	2509.2	-45.45	-13	-32.45	-64.35	-49.02	4.88	10.60	H
	3345.6	-58.38	-13	-45.38	-79.45	-63.31	5.52	12.60	H
	1672.8	-57.59	-13	-44.59	-70.01	-60.84	4.00	9.40	V
	2509.2	-48.72	-13	-35.72	-67.83	-52.29	4.88	10.60	V
	3345.6	-57.86	-13	-44.86	-79.23	-62.79	5.52	12.60	V
Highest	1697.6	-64.82	-13	-51.82	-76.82	-67.99	4.10	9.42	H
	2546.4	-59.34	-13	-46.34	-78.40	-62.92	4.90	10.63	H
	3395.2	-59.07	-13	-46.07	-78.86	-63.99	5.55	12.62	H



	1697.6	-62.18	-13	-49.18	-74.85	-65.35	4.10	9.42	V
	2546.4	-53.15	-13	-40.15	-72.43	-56.73	4.90	10.63	V
	3395.2	-57.63	-13	-44.63	-78.75	-62.55	5.55	12.62	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	-56.61	-13	-43.61	-79.61	-63.37	5.82	12.58	H
	5550.6	-56.63	-13	-43.63	-81.04	-62.35	7.28	13.00	H
	7400.8	-54.55	-13	-41.55	-81.31	-57.71	8.32	11.48	H
	3700.4	-53.15	-13	-40.15	-77.84	-59.91	5.82	12.58	V
	5550.6	-56.22	-13	-43.22	-81.06	-61.94	7.28	13.00	V
	7400.8	-54.09	-13	-41.09	-80.82	-57.25	8.32	11.48	V
Middle	3760	-57.40	-13	-44.40	-79.74	-64.15	5.85	12.60	H
	5640	-56.38	-13	-43.38	-80.50	-62.18	7.30	13.10	H
	7520	-54.82	-13	-41.82	-81.10	-57.97	8.35	11.50	H
	3760	-55.02	-13	-42.02	-80.52	-61.77	5.85	12.60	V
	5640	-56.51	-13	-43.51	-80.78	-62.31	7.30	13.10	V
	7520	-54.97	-13	-41.97	-81.23	-58.12	8.35	11.50	V
Highest	3819.6	-55.91	-13	-42.91	-78.69	-62.65	5.88	12.62	H
	5729.4	-56.49	-13	-43.49	-81.11	-62.30	7.32	13.13	H
	7639.2	-55.38	-13	-42.38	-81.25	-58.54	8.38	11.54	H
	3819.6	-54.83	-13	-41.83	-79.21	-61.57	5.88	12.62	V
	5729.4	-55.51	-13	-42.51	-80.61	-61.32	7.32	13.13	V
	7639.2	-54.43	-13	-41.43	-81.33	-57.59	8.38	11.54	V

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

GSM1900 (EDGE 1 Tx slots)									
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	-53.81	-13	-40.81	-76.81	-60.57	5.82	12.58	H
	5550.6	-56.91	-13	-43.91	-81.32	-62.63	7.28	13.00	H
	7400.8	-54.28	-13	-41.28	-81.04	-57.44	8.32	11.48	H
	3700.4	-48.88	-13	-35.88	-73.57	-55.64	5.82	12.58	V
	5550.6	-56.40	-13	-43.40	-81.24	-62.12	7.28	13.00	V
	7400.8	-54.61	-13	-41.61	-81.34	-57.77	8.32	11.48	V
Middle	3760	-51.28	-13	-38.28	-73.62	-58.03	5.85	12.60	H
	5640	-56.94	-13	-43.94	-81.06	-62.74	7.30	13.10	H
	7520	-55.29	-13	-42.29	-81.57	-58.44	8.35	11.50	H
	3760	-47.79	-13	-34.79	-73.29	-54.54	5.85	12.60	V
	5640	-56.56	-13	-43.56	-80.83	-62.36	7.30	13.10	V
	7520	-55.13	-13	-42.13	-81.39	-58.28	8.35	11.50	V
Highest	3819.6	-54.01	-13	-41.01	-76.79	-60.75	5.88	12.62	H
	5729.4	-56.62	-13	-43.62	-81.24	-62.43	7.32	13.13	H
	7639.2	-55.57	-13	-42.57	-81.44	-58.73	8.38	11.54	H
	3819.6	-52.77	-13	-39.77	-77.15	-59.51	5.88	12.62	V
	5729.4	-55.81	-13	-42.81	-80.91	-61.62	7.32	13.13	V
	7639.2	-54.40	-13	-41.40	-81.3	-57.56	8.38	11.54	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	-64.99	-13	-51.99	-76.55	-68.22	3.98	9.36	H
	2479.2	-59.44	-13	-46.44	-78.08	-62.99	4.85	10.55	H
	3305.6	-58.04	-13	-45.04	-78.92	-62.97	5.50	12.58	H
	1652.8	-64.34	-13	-51.34	-76.54	-67.57	3.98	9.36	V
	2479.2	-59.44	-13	-46.44	-78.40	-62.99	4.85	10.55	V
	3305.6	-57.62	-13	-44.62	-79.20	-62.55	5.50	12.58	V
Middle	1673.04	-64.88	-13	-51.88	-76.59	-68.13	4.00	9.40	H
	2509.56	-59.42	-13	-46.42	-78.32	-62.99	4.88	10.60	H
	3346.08	-58.62	-13	-45.62	-79.69	-63.55	5.52	12.60	H
	1673.04	-63.98	-13	-50.98	-76.40	-67.23	4.00	9.40	V
	2509.56	-59.14	-13	-46.14	-78.25	-62.71	4.88	10.60	V
	3346.08	-58.20	-13	-45.20	-79.57	-63.13	5.52	12.60	V
Highest	1693.2	-63.62	-13	-50.62	-75.62	-66.79	4.10	9.42	H
	2539.8	-59.33	-13	-46.33	-78.38	-62.91	4.90	10.63	H
	3386.4	-59.58	-13	-46.58	-79.79	-64.50	5.55	12.62	H
	1693.2	-63.94	-13	-50.94	-76.61	-67.11	4.10	9.42	V
	2539.8	-58.78	-13	-45.78	-78.05	-62.36	4.90	10.63	V
	3386.4	-58.02	-13	-45.02	-79.22	-62.94	5.55	12.62	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	-57.37	-13	-44.37	-80.37	-64.13	5.82	12.58	H
	5557.2	-57.34	-13	-44.34	-81.75	-63.06	7.28	13.00	H
	7409.6	-54.80	-13	-41.80	-81.55	-57.96	8.32	11.48	H
	3704.8	-55.36	-13	-42.36	-80.05	-62.12	5.82	12.58	V
	5557.2	-56.87	-13	-43.87	-81.71	-62.59	7.28	13.00	V
	7409.6	-54.60	-13	-41.60	-81.32	-57.76	8.32	11.48	V
Middle	3760	-57.72	-13	-44.72	-80.06	-64.47	5.85	12.60	H
	5640	-57.44	-13	-44.44	-81.56	-63.24	7.30	13.10	H
	7520	-55.54	-13	-42.54	-81.82	-58.69	8.35	11.50	H
	3760	-55.40	-13	-42.40	-80.9	-62.15	5.85	12.60	V
	5640	-57.10	-13	-44.10	-81.37	-62.90	7.30	13.10	V
	7520	-55.76	-13	-42.76	-82.02	-58.91	8.35	11.50	V
Highest	3815.2	-57.67	-13	-44.67	-80.45	-64.41	5.88	12.62	H
	5722.8	-56.90	-13	-43.90	-81.52	-62.71	7.32	13.13	H
	7630.4	-55.78	-13	-42.78	-81.70	-58.94	8.38	11.54	H
	3815.2	-55.97	-13	-42.97	-80.35	-62.71	5.88	12.62	V
	5722.8	-56.50	-13	-43.50	-81.6	-62.31	7.32	13.13	V
	7630.4	-55.36	-13	-42.36	-81.96	-58.52	8.38	11.54	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	-58.25	-13	-45.25	-79.62	-65.13	5.60	12.48	H
	5137.2	-56.70	-13	-43.70	-80.39	-62.38	7.10	12.78	H
	6849.6	-55.31	-13	-42.31	-80.92	-58.70	8.38	11.77	H
	3424.8	-57.05	-13	-44.05	-79.49	-63.93	5.60	12.48	V
	5137.2	-56.39	-13	-43.39	-80.82	-62.07	7.10	12.78	V
	6849.6	-53.76	-13	-40.76	-81.2	-57.15	8.38	11.77	V
Middle	3465.2	-57.30	-13	-44.30	-79.25	-64.15	5.65	12.50	H
	5197.8	-57.02	-13	-44.02	-81.18	-62.69	7.13	12.80	H
	6930.4	-55.52	-13	-42.52	-81.22	-58.92	8.40	11.80	H
	3465.2	-57.08	-13	-44.08	-78.83	-63.93	5.65	12.50	V
	5197.8	-56.45	-13	-43.45	-80.88	-62.12	7.13	12.80	V
	6930.4	-53.95	-13	-40.95	-80.57	-57.35	8.40	11.80	V
Highest	3505.2	-57.22	-13	-44.22	-78.75	-64.06	5.68	12.52	H
	5257.8	-56.65	-13	-43.65	-80.98	-62.32	7.15	12.82	H
	7010.4	-55.17	-13	-42.17	-81.01	-58.60	8.42	11.85	H
	3505.2	-57.12	-13	-44.12	-80.19	-63.96	5.68	12.52	V
	5257.8	-56.70	-13	-43.70	-81	-62.37	7.15	12.82	V
	7010.4	-55.15	-13	-42.15	-81.34	-58.58	8.42	11.85	V

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