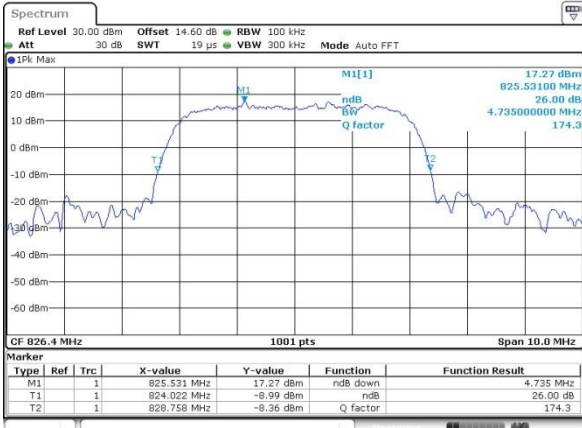




WCDMA Band V (RMC 12.2Kbps)

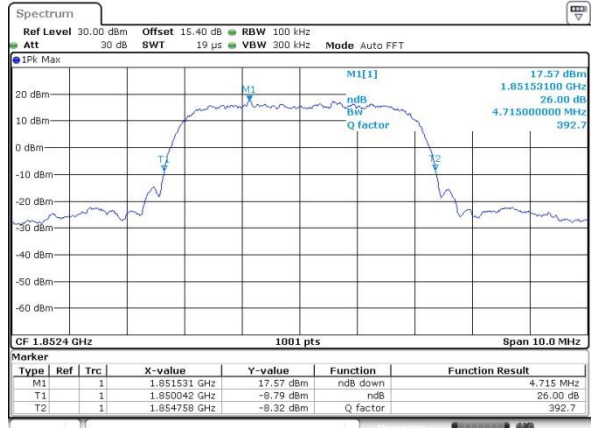
Lowest Channel



Date: 9 JAN 2023 01:30:23

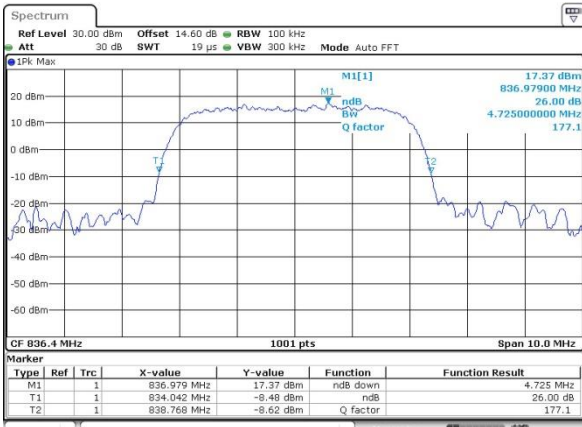
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



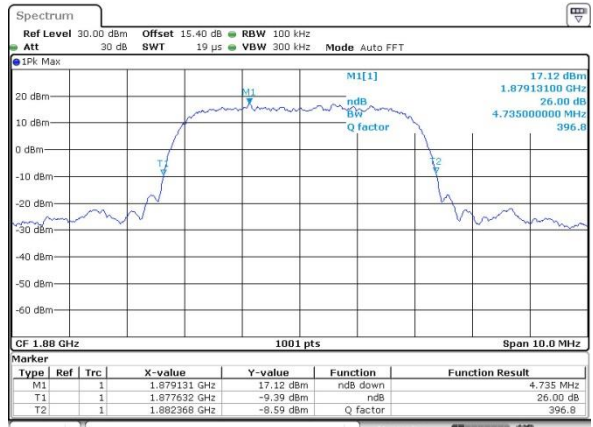
Date: 9 JAN 2023 00:32:20

Middle Channel



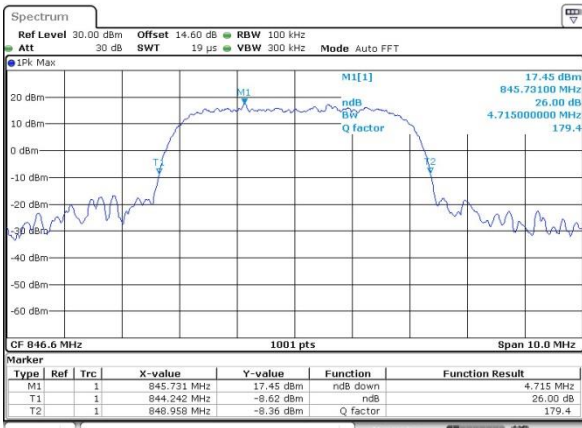
Date: 9 JAN 2023 01:31:10

Middle Channel



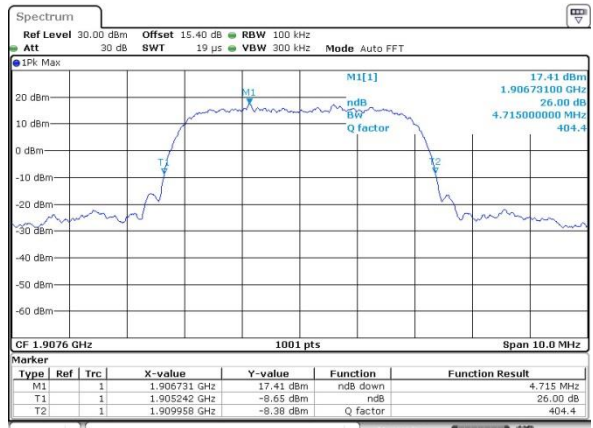
Date: 9 JAN 2023 00:33:05

Highest Channel



Date: 9 JAN 2023 01:31:37

Highest Channel

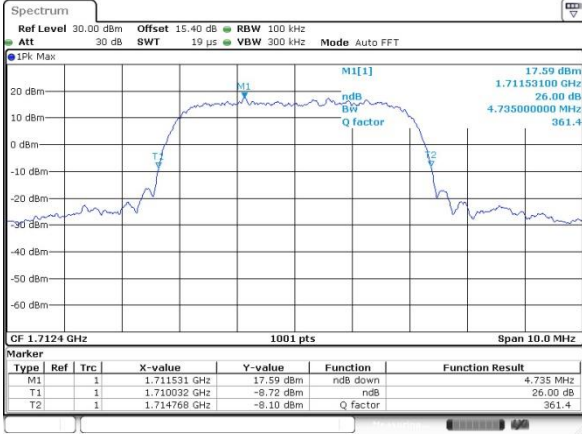


Date: 9 JAN 2023 00:33:51



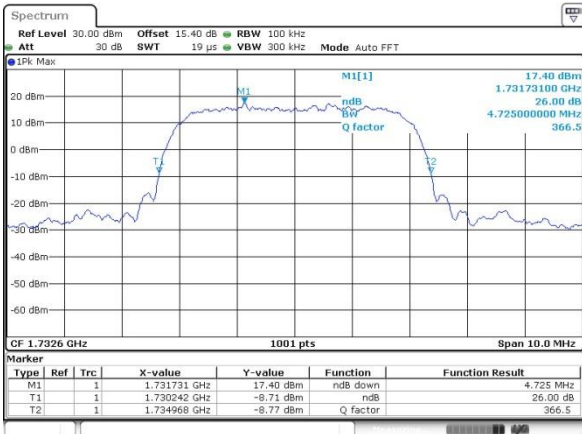
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



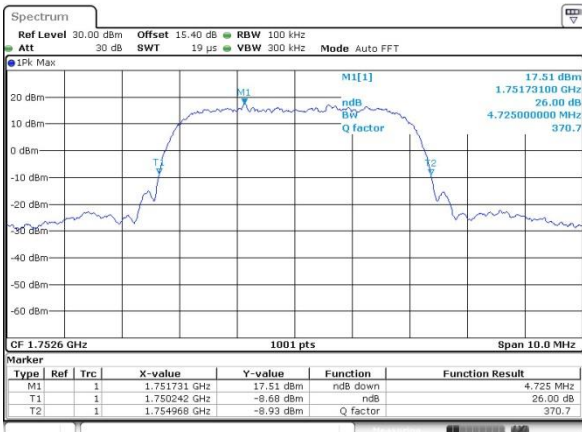
Date: 9 JAN 2023 01:00:09

Middle Channel



Date: 9 JAN 2023 01:00:35

Highest Channel



Date: 9 JAN 2023 01:01:00



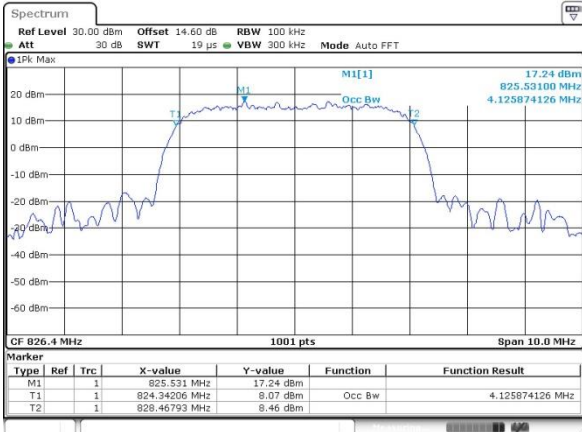
### Occupied Bandwidth

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	4.126	4.146	4.146
Middle CH	4.136	4.136	4.146
Highest CH	4.146	4.156	4.146



WCDMA Band V (RMC 12.2Kbps)

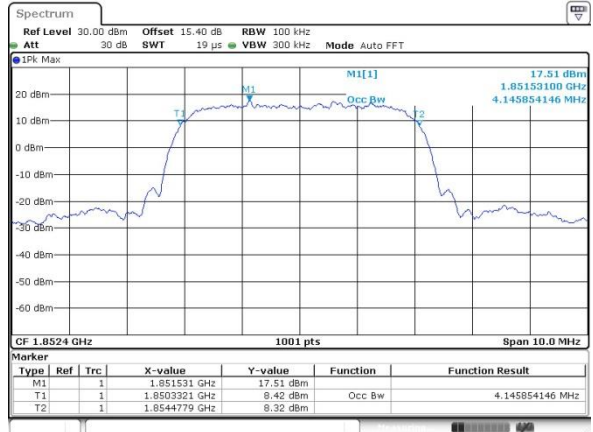
Lowest Channel



Date: 9 JAN 2023 01:32:22

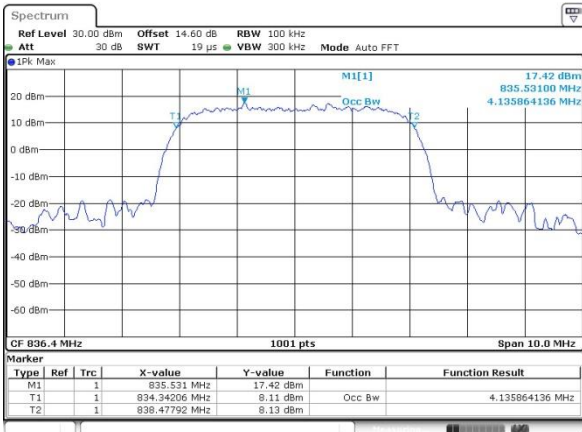
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



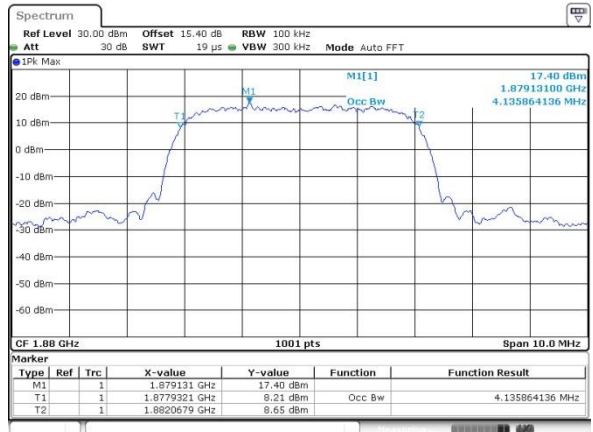
Date: 9 JAN 2023 00:34:22

Middle Channel



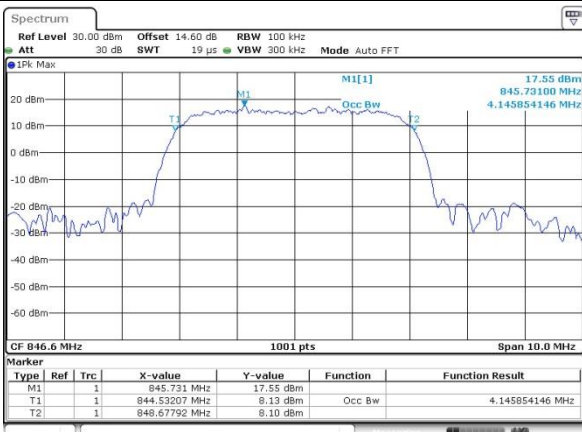
Date: 9 JAN 2023 01:32:54

Middle Channel



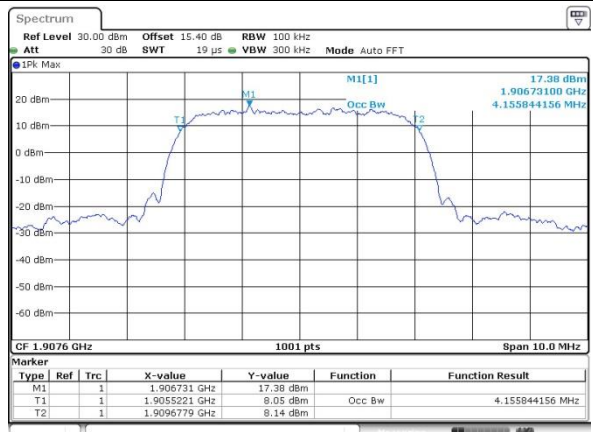
Date: 9 JAN 2023 00:34:50

Highest Channel



Date: 9 JAN 2023 01:33:37

Highest Channel

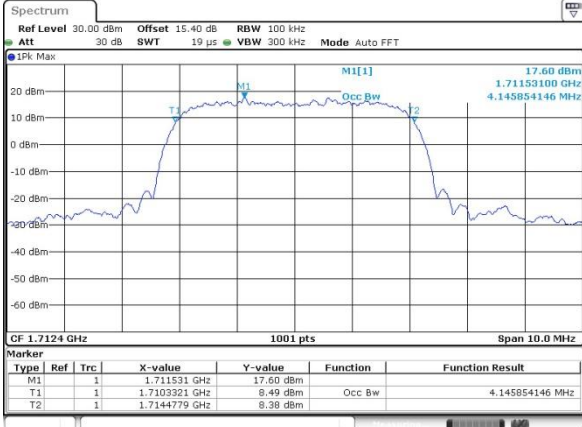


Date: 9 JAN 2023 00:35:19



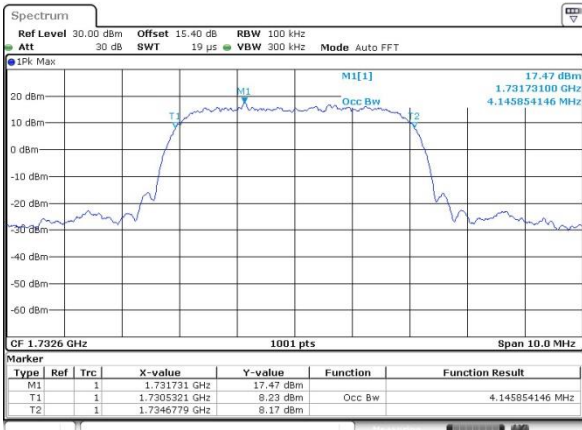
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



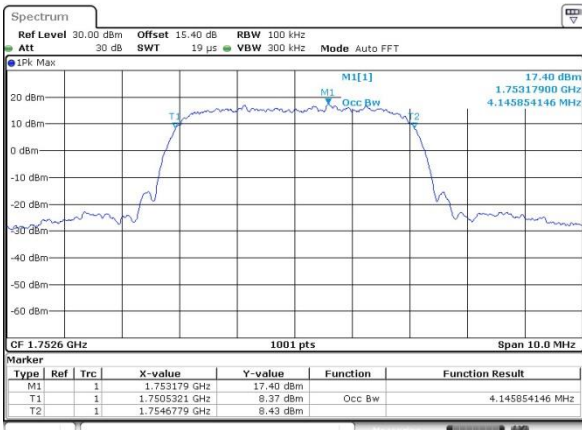
Date: 9 JAN 2023 01:01:51

Middle Channel



Date: 9 JAN 2023 01:02:45

Highest Channel



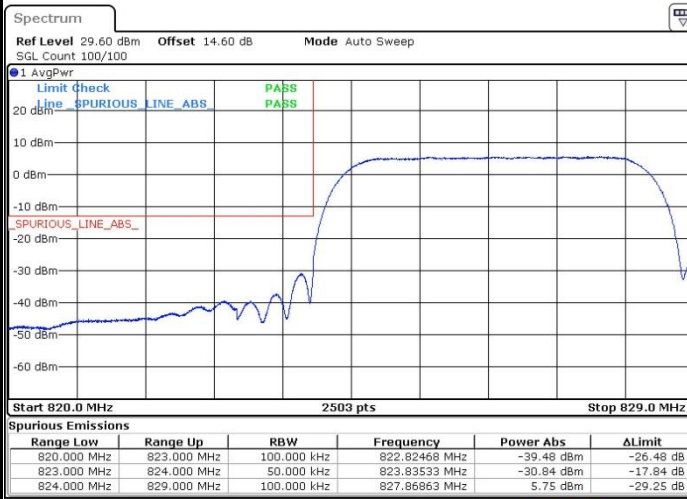
Date: 9 JAN 2023 01:03:12



# Conducted Band Edge

## WCDMA Band V (RMC 12.2Kbps)

### Lowest Band Edge



Date: 9 JAN 2023 01:35:28

### Highest Band Edge



Date: 9 JAN 2023 01:37:28

## WCDMA Band II (RMC 12.2Kbps)

### Lowest Band Edge

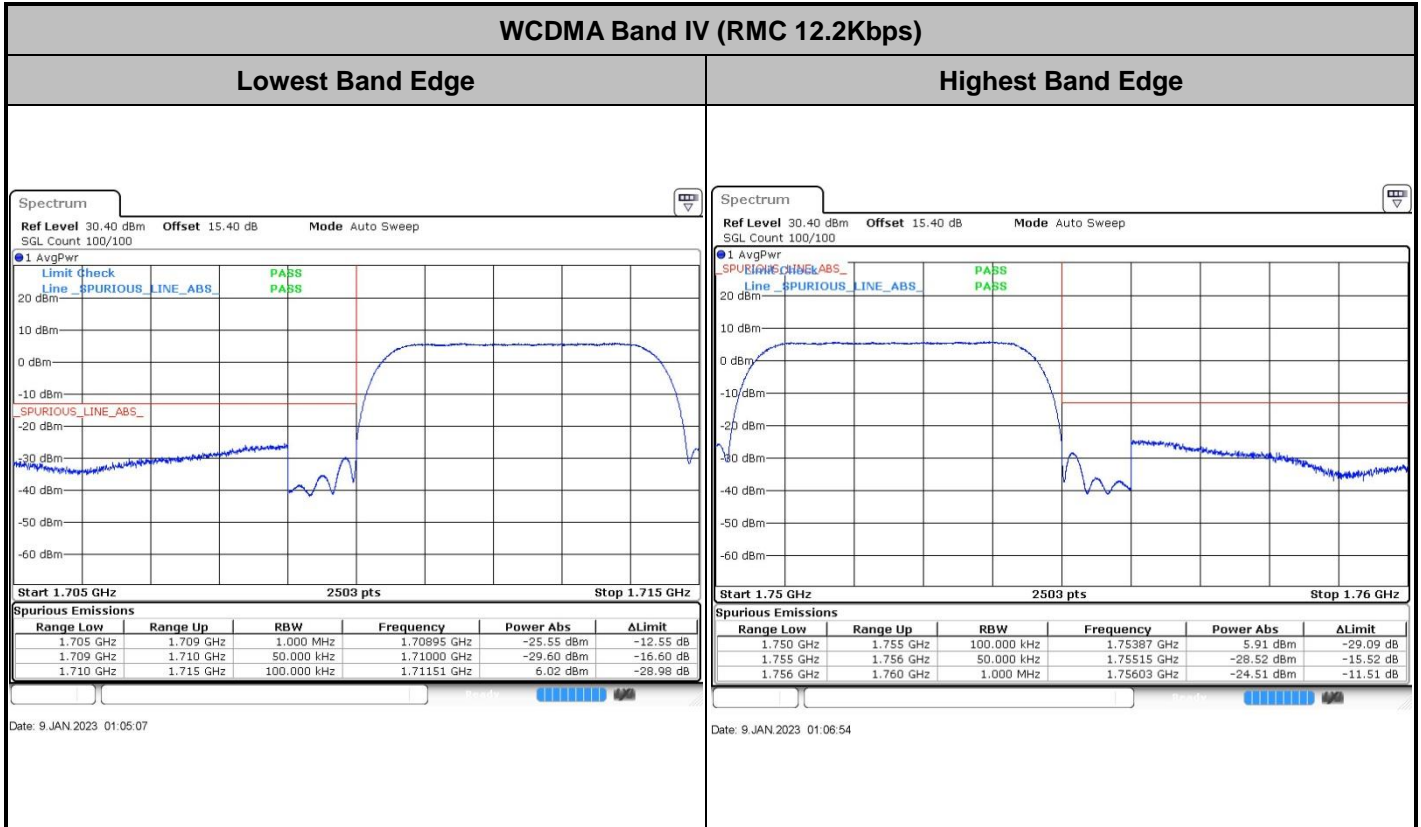


Date: 9 JAN 2023 00:38:02

### Highest Band Edge



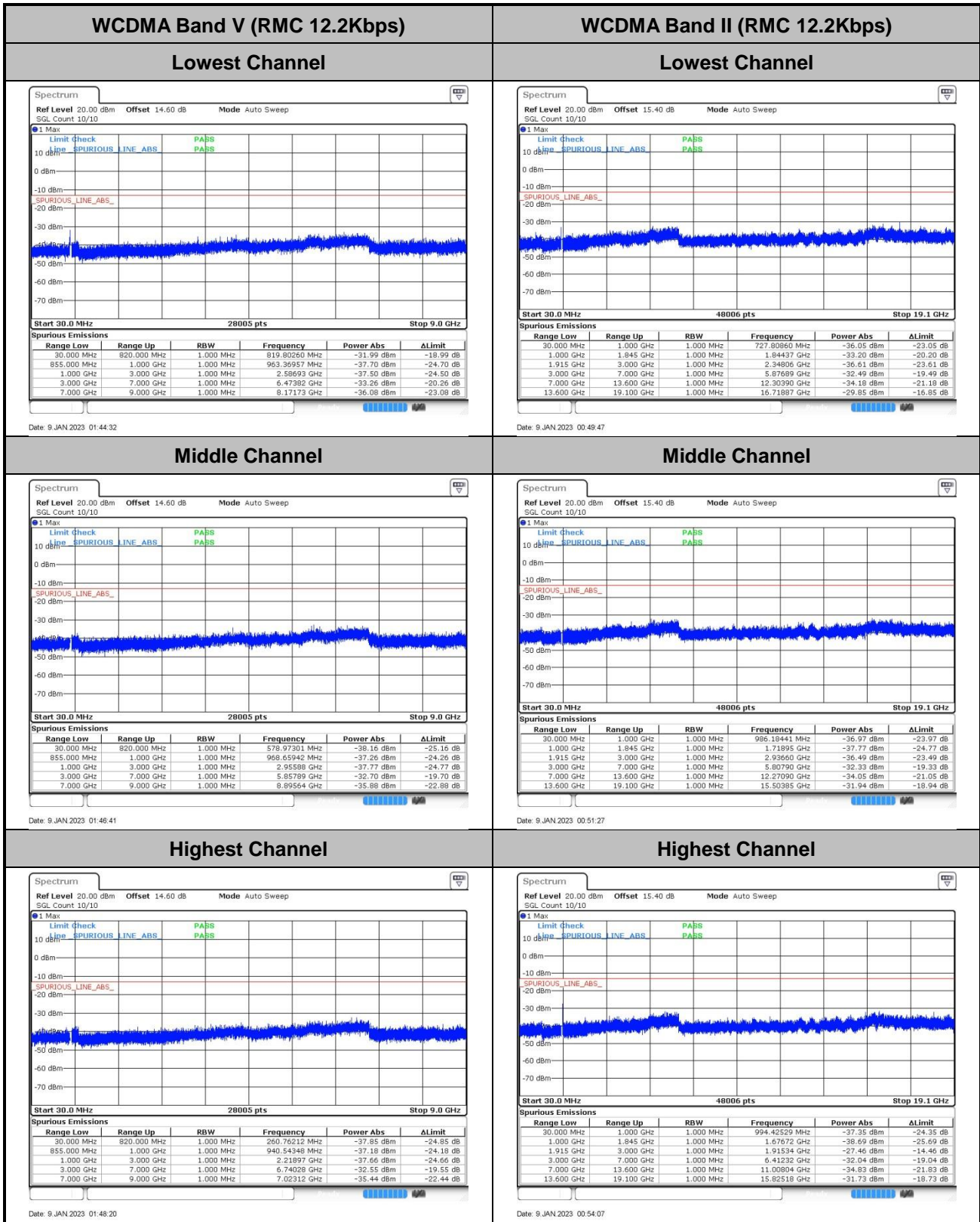
Date: 9 JAN 2023 00:39:43







# Conducted Spurious Emission

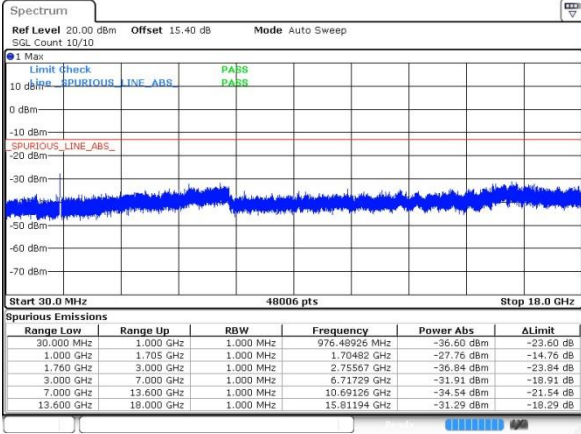




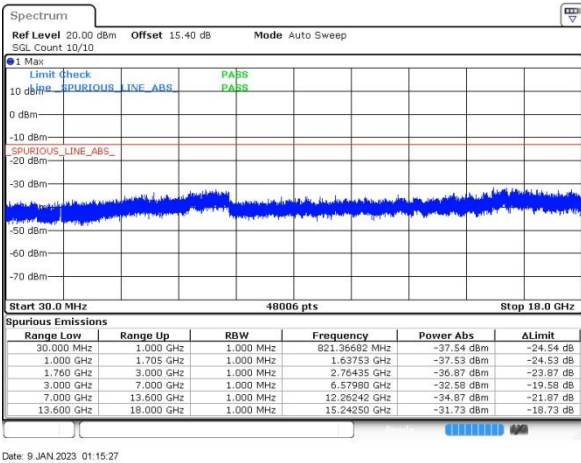


WCDMA Band IV (RMC 12.2Kbps)

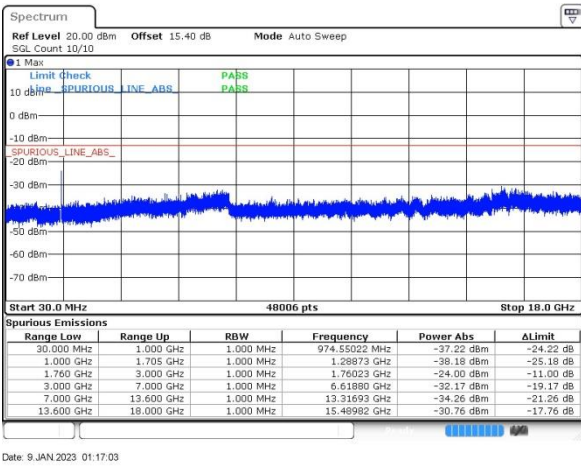
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

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	0.0023	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0019	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0016	



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	0.0027	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0014	

**Note:**

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5V
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 :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

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)
Lowest	1648.4	-65.50	-13	-52.50	-77.59	-68.73	3.98	9.36	H
	2472.6	-60.51	-13	-47.51	-79.76	-64.06	4.85	10.55	H
	3296.8	-59.69	-13	-46.69	-80.74	-64.62	5.50	12.58	H
	1648.4	-64.40	-13	-51.40	-77.13	-67.63	3.98	9.36	V
	2472.6	-59.71	-13	-46.71	-79.28	-63.26	4.85	10.55	V
	3296.8	-58.62	-13	-45.62	-80.56	-63.55	5.50	12.58	V
Middle	1672.8	-64.90	-13	-51.90	-77.16	-68.15	4.00	9.40	H
	2509.2	-60.26	-13	-47.26	-79.76	-63.83	4.88	10.60	H
	3345.6	-59.68	-13	-46.68	-81.02	-64.61	5.52	12.60	H
	1672.8	-63.24	-13	-50.24	-76.21	-66.49	4.00	9.40	V
	2509.2	-59.00	-13	-46.00	-78.71	-62.57	4.88	10.60	V
	3345.6	-58.68	-13	-45.68	-80.32	-63.61	5.52	12.60	V
Highest	1697.6	-65.90	-13	-52.90	-78.46	-69.07	4.10	9.42	H
	2546.4	-60.12	-13	-47.12	-79.74	-63.70	4.90	10.63	H
	3395.2	-60.09	-13	-47.09	-80.16	-65.01	5.55	12.62	H
	1697.6	-62.98	-13	-49.98	-76.21	-66.15	4.10	9.42	V
	2546.4	-56.92	-13	-43.92	-76.76	-60.50	4.90	10.63	V
	3395.2	-58.77	-13	-45.77	-80.17	-63.69	5.55	12.62	V

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



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)
Lowest	1648.4	-65.95	-13	-52.95	-78.04	-69.18	3.98	9.36	H
	2472.6	-60.73	-13	-47.73	-79.98	-64.28	4.85	10.55	H
	3296.8	-59.40	-13	-46.40	-80.45	-64.33	5.50	12.58	H
	1648.4	-64.77	-13	-51.77	-77.50	-68.00	3.98	9.36	V
	2472.6	-59.67	-13	-46.67	-79.24	-63.22	4.85	10.55	V
	3296.8	-58.67	-13	-45.67	-80.61	-63.60	5.50	12.58	V
Middle	1672.8	-66.05	-13	-53.05	-78.31	-69.30	4.00	9.40	H
	2509.2	-60.85	-13	-47.85	-80.35	-64.42	4.88	10.60	H
	3345.6	-59.47	-13	-46.47	-80.81	-64.40	5.52	12.60	H
	1672.8	-64.58	-13	-51.58	-77.55	-67.83	4.00	9.40	V
	2509.2	-59.90	-13	-46.90	-79.61	-63.47	4.88	10.60	V
	3345.6	-58.95	-13	-45.95	-80.59	-63.88	5.52	12.60	V
Highest	1697.6	-65.33	-13	-52.33	-77.89	-68.50	4.10	9.42	H
	2546.4	-58.48	-13	-45.48	-78.10	-62.06	4.90	10.63	H
	3395.2	-59.96	-13	-46.96	-80.03	-64.88	5.55	12.62	H
	1697.6	-63.92	-13	-50.92	-77.15	-67.09	4.10	9.42	V
	2546.4	-55.71	-13	-42.71	-75.55	-59.29	4.90	10.63	V
	3395.2	-58.66	-13	-45.66	-80.06	-63.58	5.55	12.62	V

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



GSM1900 (GSM) Ant 2									
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	-57.46	-13	-44.46	-80.64	-64.22	5.82	12.58	H
	5550.6	-57.91	-13	-44.91	-82.68	-63.63	7.28	13.00	H
	7400.8	-54.78	-13	-41.78	-82.16	-57.94	8.32	11.48	H
	3700.4	-55.39	-13	-42.39	-80.26	-62.15	5.82	12.58	V
	5550.6	-57.69	-13	-44.69	-82.89	-63.41	7.28	13.00	V
	7400.8	-54.69	-13	-41.69	-82.04	-57.85	8.32	11.48	V
Middle	3760	-57.28	-13	-44.28	-79.77	-64.03	5.85	12.60	H
	5640	-57.69	-13	-44.69	-82.09	-63.49	7.30	13.10	H
	7520	-55.15	-13	-42.15	-82.03	-58.30	8.35	11.50	H
	3760	-55.09	-13	-42.09	-80.74	-61.84	5.85	12.60	V
	5640	-57.45	-13	-44.45	-82	-63.25	7.30	13.10	V
	7520	-55.12	-13	-42.12	-81.98	-58.27	8.35	11.50	V
Highest	3819.6	-57.88	-13	-44.88	-80.77	-64.62	5.88	12.62	H
	5729.4	-57.67	-13	-44.67	-82.51	-63.48	7.32	13.13	H
	7639.2	-55.53	-13	-42.53	-82.03	-58.69	8.38	11.54	H
	3819.6	-55.78	-13	-42.78	-80.27	-62.52	5.88	12.62	V
	5729.4	-57.09	-13	-44.09	-82.41	-62.90	7.32	13.13	V
	7639.2	-54.56	-13	-41.56	-82.09	-57.72	8.38	11.54	V

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





GSM1900 (EDGE 1 Tx slots) Ant 2									
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	-57.55	-13	-44.55	-80.73	-64.31	5.82	12.58	H
	5550.6	-57.70	-13	-44.70	-82.47	-63.42	7.28	13.00	H
	7400.8	-55.06	-13	-42.06	-82.44	-58.22	8.32	11.48	H
	3700.4	-55.19	-13	-42.19	-80.06	-61.95	5.82	12.58	V
	5550.6	-57.61	-13	-44.61	-82.81	-63.33	7.28	13.00	V
	7400.8	-54.50	-13	-41.50	-81.85	-57.66	8.32	11.48	V
Middle	3760	-57.74	-13	-44.74	-80.23	-64.49	5.85	12.60	H
	5640	-57.53	-13	-44.53	-81.93	-63.33	7.30	13.10	H
	7520	-55.37	-13	-42.37	-82.25	-58.52	8.35	11.50	H
	3760	-55.31	-13	-42.31	-80.96	-62.06	5.85	12.60	V
	5640	-57.59	-13	-44.59	-82.14	-63.39	7.30	13.10	V
	7520	-55.62	-13	-42.62	-82.48	-58.77	8.35	11.50	V
Highest	3819.6	-57.98	-13	-44.98	-80.87	-64.72	5.88	12.62	H
	5729.4	-57.57	-13	-44.57	-82.41	-63.38	7.32	13.13	H
	7639.2	-55.58	-13	-42.58	-82.08	-58.74	8.38	11.54	H
	3819.6	-56.38	-13	-43.38	-80.87	-63.12	5.88	12.62	V
	5729.4	-57.32	-13	-44.32	-82.64	-63.13	7.32	13.13	V
	7639.2	-54.57	-13	-41.57	-82.1	-57.73	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) 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)
Lowest	1652.8	-65.99	-13	-52.99	-78.12	-69.22	3.98	9.36	H
	2479.2	-61.04	-13	-48.04	-80.29	-64.59	4.85	10.55	H
	3305.6	-59.47	-13	-46.47	-80.62	-64.40	5.50	12.58	H
	1652.8	-65.05	-13	-52.05	-77.82	-68.28	3.98	9.36	V
	2479.2	-60.70	-13	-47.70	-80.27	-64.25	4.85	10.55	V
	3305.6	-58.96	-13	-45.96	-80.81	-63.89	5.50	12.58	V
Middle	1672.8	-66.23	-13	-53.23	-78.49	-69.48	4.00	9.40	H
	2509.2	-60.91	-13	-47.91	-80.41	-64.48	4.88	10.60	H
	3345.6	-59.77	-13	-46.77	-81.11	-64.70	5.52	12.60	H
	1672.8	-64.94	-13	-51.94	-77.91	-68.19	4.00	9.40	V
	2509.2	-60.72	-13	-47.72	-80.43	-64.29	4.88	10.60	V
	3345.6	-59.48	-13	-46.48	-81.12	-64.41	5.52	12.60	V
Highest	1693.2	-65.71	-13	-52.71	-78.27	-68.88	4.10	9.42	H
	2539.8	-60.41	-13	-47.41	-80.03	-63.99	4.90	10.63	H
	3386.4	-60.20	-13	-47.20	-80.69	-65.12	5.55	12.62	H
	1693.2	-65.54	-13	-52.54	-78.77	-68.71	4.10	9.42	V
	2539.8	-60.31	-13	-47.31	-80.15	-63.89	4.90	10.63	V
	3386.4	-59.07	-13	-46.07	-80.55	-63.99	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) Ant 2									
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	-57.66	-13	-44.66	-80.84	-64.42	5.82	12.58	H
	5557.2	-57.91	-13	-44.91	-82.66	-63.63	7.28	13.00	H
	7409.6	-54.60	-13	-41.60	-81.98	-57.76	8.32	11.48	H
	3704.8	-55.39	-13	-42.39	-80.26	-62.15	5.82	12.58	V
	5557.2	-57.09	-13	-44.09	-82.27	-62.81	7.28	13.00	V
	7409.6	-55.02	-13	-42.02	-82.37	-58.18	8.32	11.48	V
Middle	3760	-57.76	-13	-44.76	-80.25	-64.51	5.85	12.60	H
	5640	-57.70	-13	-44.70	-82.10	-63.50	7.30	13.10	H
	7520	-55.71	-13	-42.71	-82.59	-58.86	8.35	11.50	H
	3760	-55.39	-13	-42.39	-81.04	-62.14	5.85	12.60	V
	5640	-57.71	-13	-44.71	-82.26	-63.51	7.30	13.10	V
	7520	-55.34	-13	-42.34	-82.2	-58.49	8.35	11.50	V
Highest	3815.2	-58.22	-13	-45.22	-81.12	-64.96	5.88	12.62	H
	5722.8	-57.68	-13	-44.68	-82.52	-63.49	7.32	13.13	H
	7630.4	-55.54	-13	-42.54	-82.08	-58.70	8.38	11.54	H
	3815.2	-56.63	-13	-43.63	-81.13	-63.37	5.88	12.62	V
	5722.8	-56.96	-13	-43.96	-82.28	-62.77	7.32	13.13	V
	7630.4	-54.61	-13	-41.61	-81.83	-57.77	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) Ant 3									
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	-59.65	-13	-46.65	-81.31	-66.53	5.60	12.48	H
	5137.2	-57.29	-13	-44.29	-81.75	-62.97	7.10	12.78	H
	6849.6	-55.81	-13	-42.81	-81.87	-59.20	8.38	11.77	H
	3424.8	-58.24	-13	-45.24	-80.97	-65.12	5.60	12.48	V
	5137.2	-56.90	-13	-43.90	-82.1	-62.58	7.10	12.78	V
	6849.6	-54.18	-13	-41.18	-82.07	-57.57	8.38	11.77	V
Middle	3465.2	-59.36	-13	-46.36	-81.61	-66.21	5.65	12.50	H
	5197.8	-56.93	-13	-43.93	-81.78	-62.60	7.13	12.80	H
	6930.4	-55.91	-13	-42.91	-82.20	-59.31	8.40	11.80	H
	3465.2	-58.75	-13	-45.75	-80.8	-65.60	5.65	12.50	V
	5197.8	-57.03	-13	-44.03	-82.15	-62.70	7.13	12.80	V
	6930.4	-54.90	-13	-41.90	-82.11	-58.30	8.40	11.80	V
Highest	3505.2	-58.52	-13	-45.52	-80.35	-65.36	5.68	12.52	H
	5257.8	-57.27	-13	-44.27	-82.23	-62.94	7.15	12.82	H
	7010.4	-56.15	-13	-43.15	-82.67	-59.58	8.42	11.85	H
	3505.2	-57.97	-13	-44.97	-81.34	-64.81	5.68	12.52	V
	5257.8	-57.37	-13	-44.37	-82.3	-63.04	7.15	12.82	V
	7010.4	-55.63	-13	-42.63	-82.5	-59.06	8.42	11.85	V

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