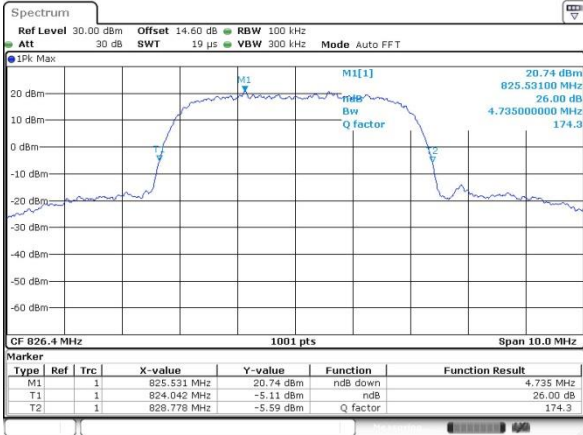




WCDMA Band V (RMC 12.2Kbps)

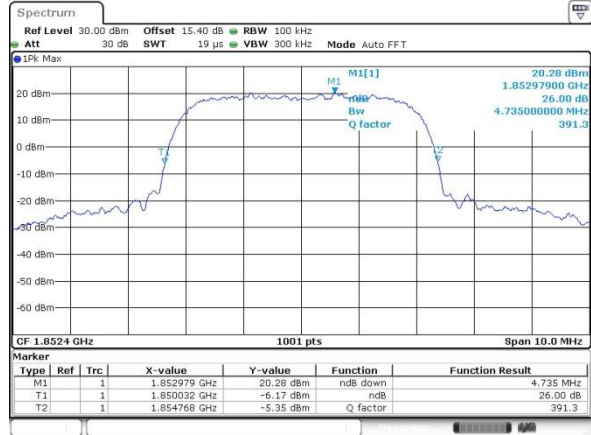
Lowest Channel



Date: 31.JAN.2022 13:28:14

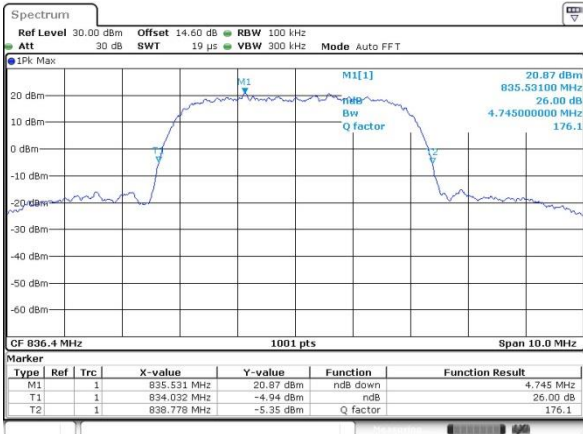
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



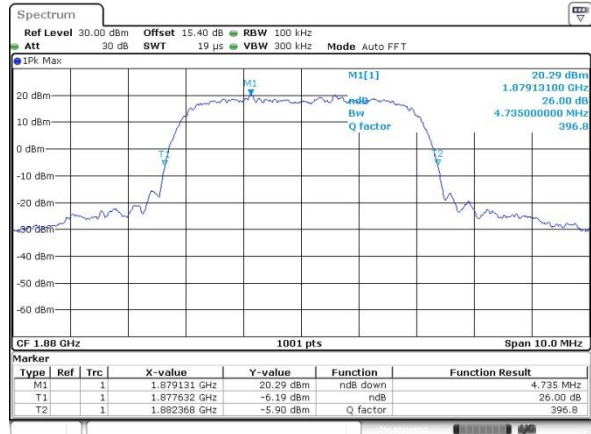
Date: 31.JAN.2022 12:59:29

Middle Channel



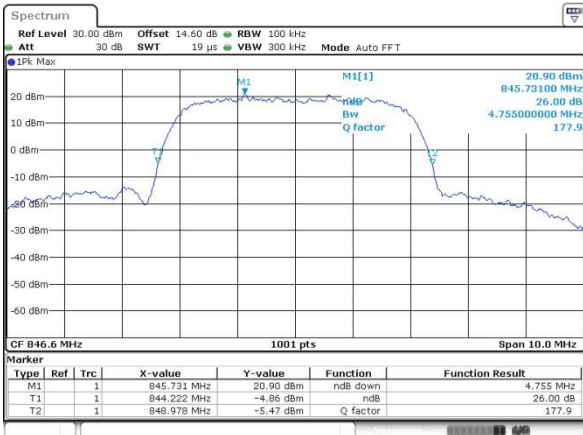
Date: 31.JAN.2022 13:28:14

Middle Channel



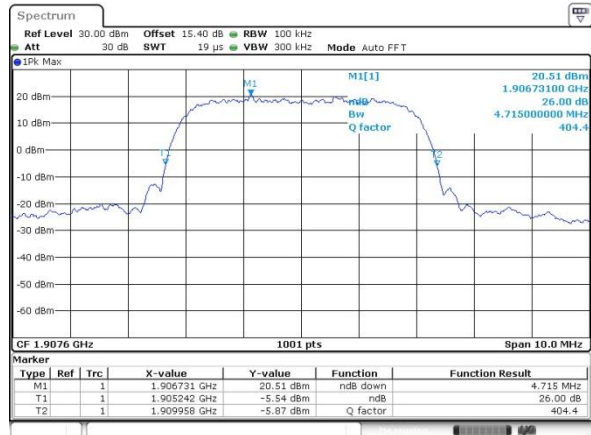
Date: 31.JAN.2022 13:00:07

Highest Channel

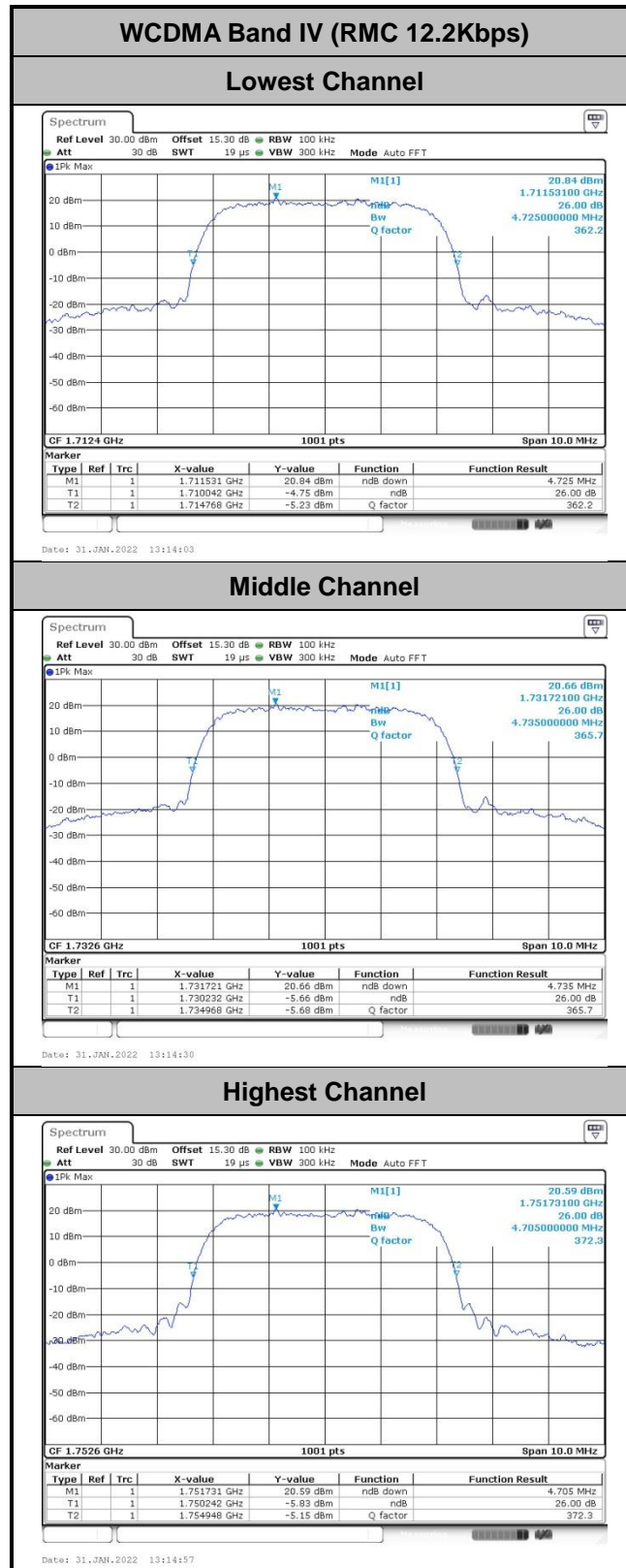


Date: 31.JAN.2022 13:29:05

Highest Channel



Date: 31.JAN.2022 13:00:32





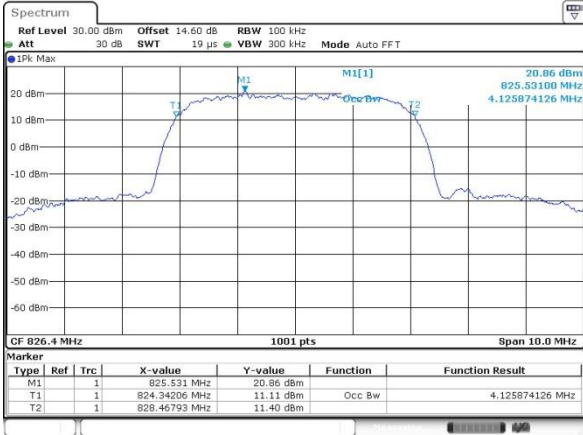
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.13	4.15	4.13
Middle CH	4.14	4.14	4.13
Highest CH	4.14	4.14	4.12



WCDMA Band V (RMC 12.2Kbps)

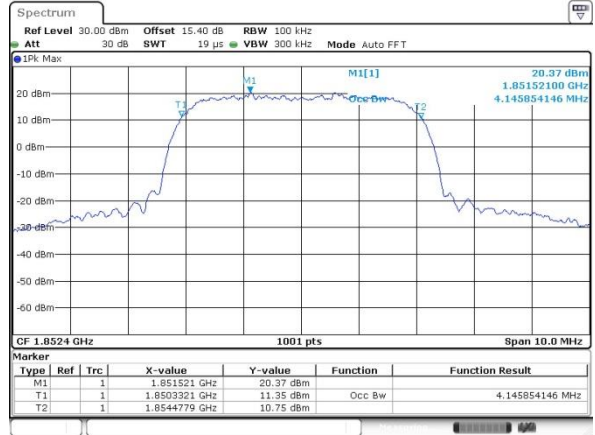
Lowest Channel



Date: 31.JAN.2022 13:32:15

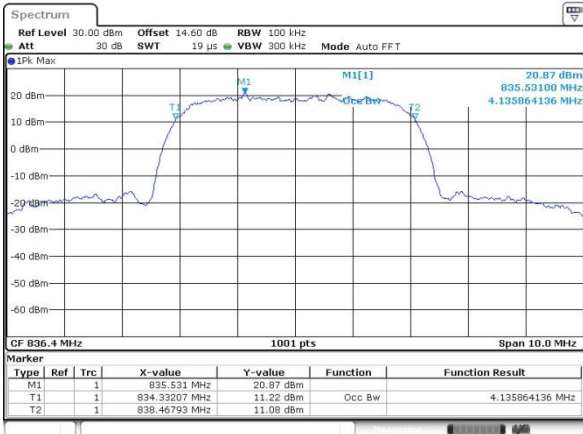
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



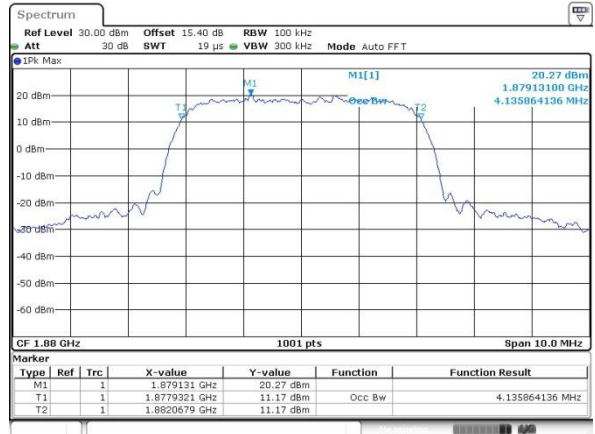
Date: 31.JAN.2022 13:05:02

Middle Channel



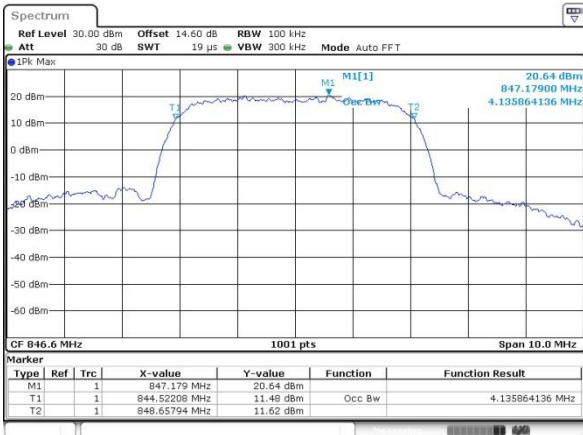
Date: 31.JAN.2022 13:32:40

Middle Channel



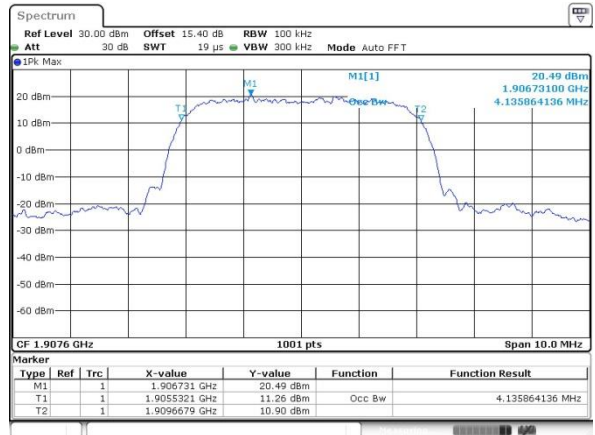
Date: 31.JAN.2022 13:05:26

Highest Channel

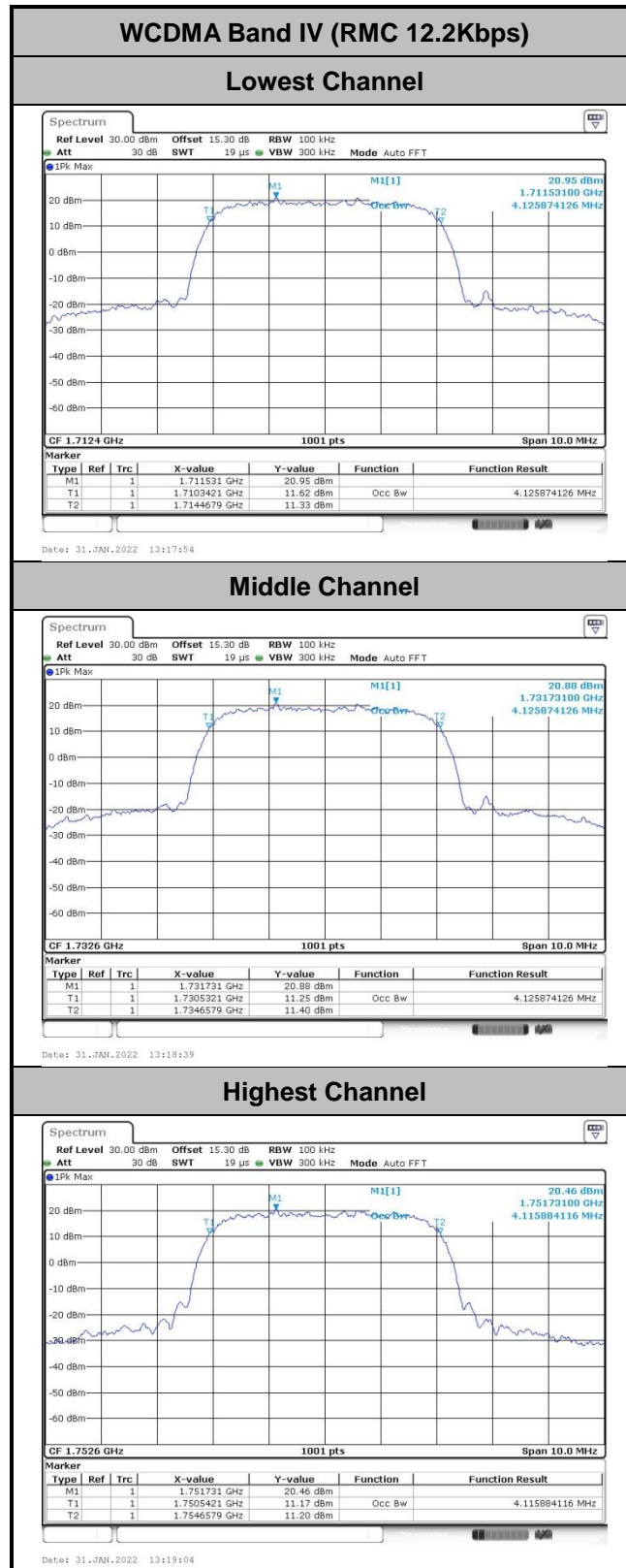


Date: 31.JAN.2022 13:33:11

Highest Channel

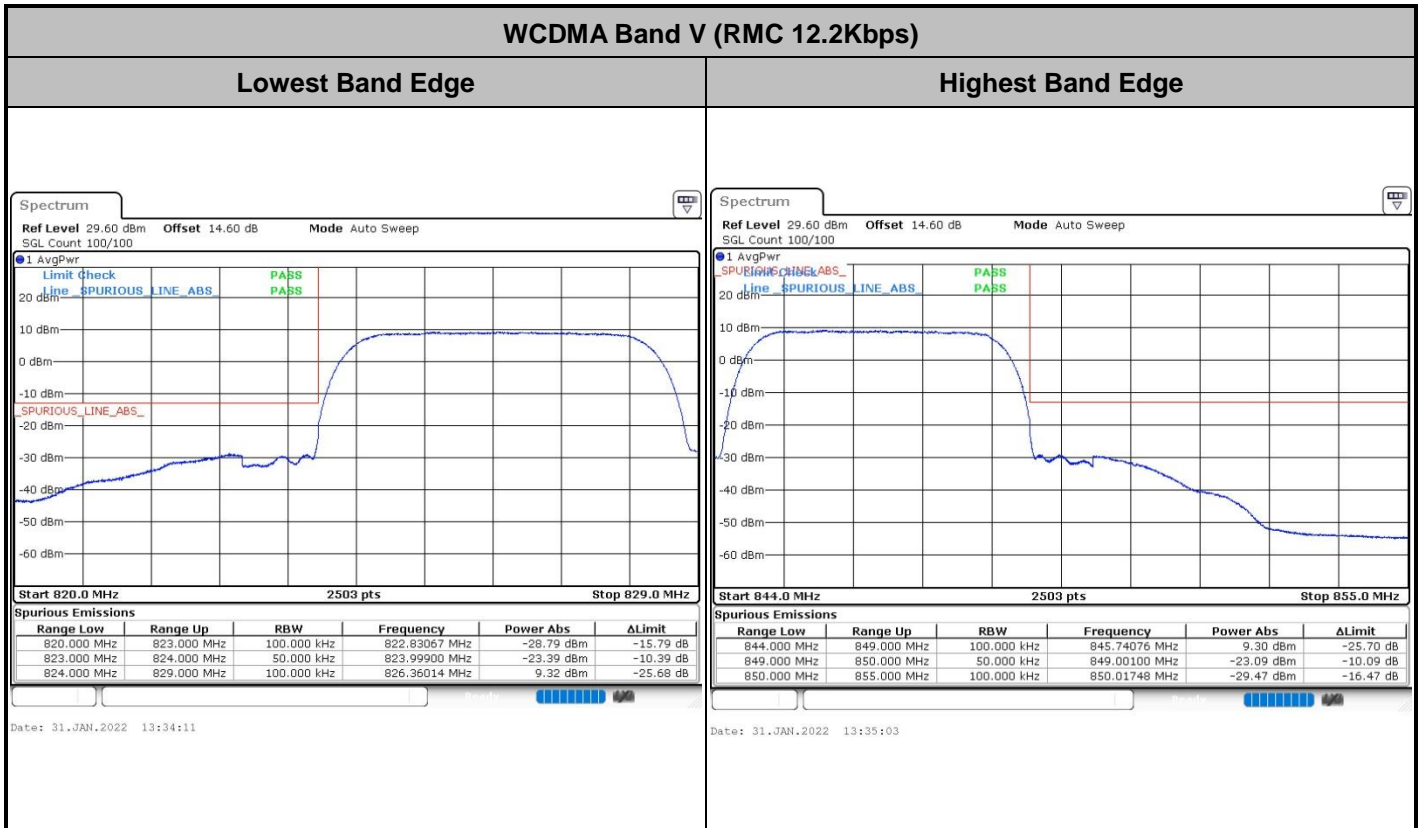


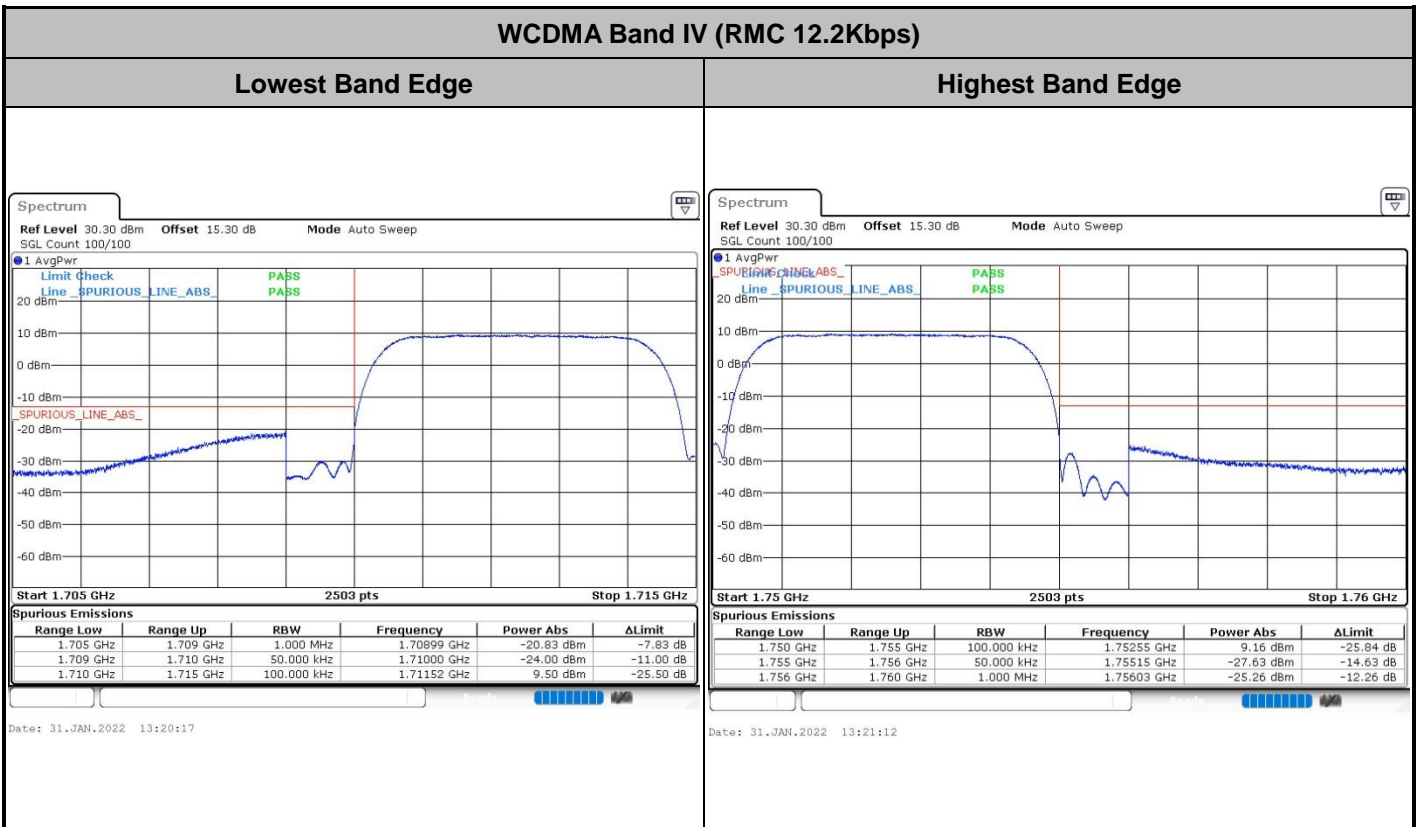
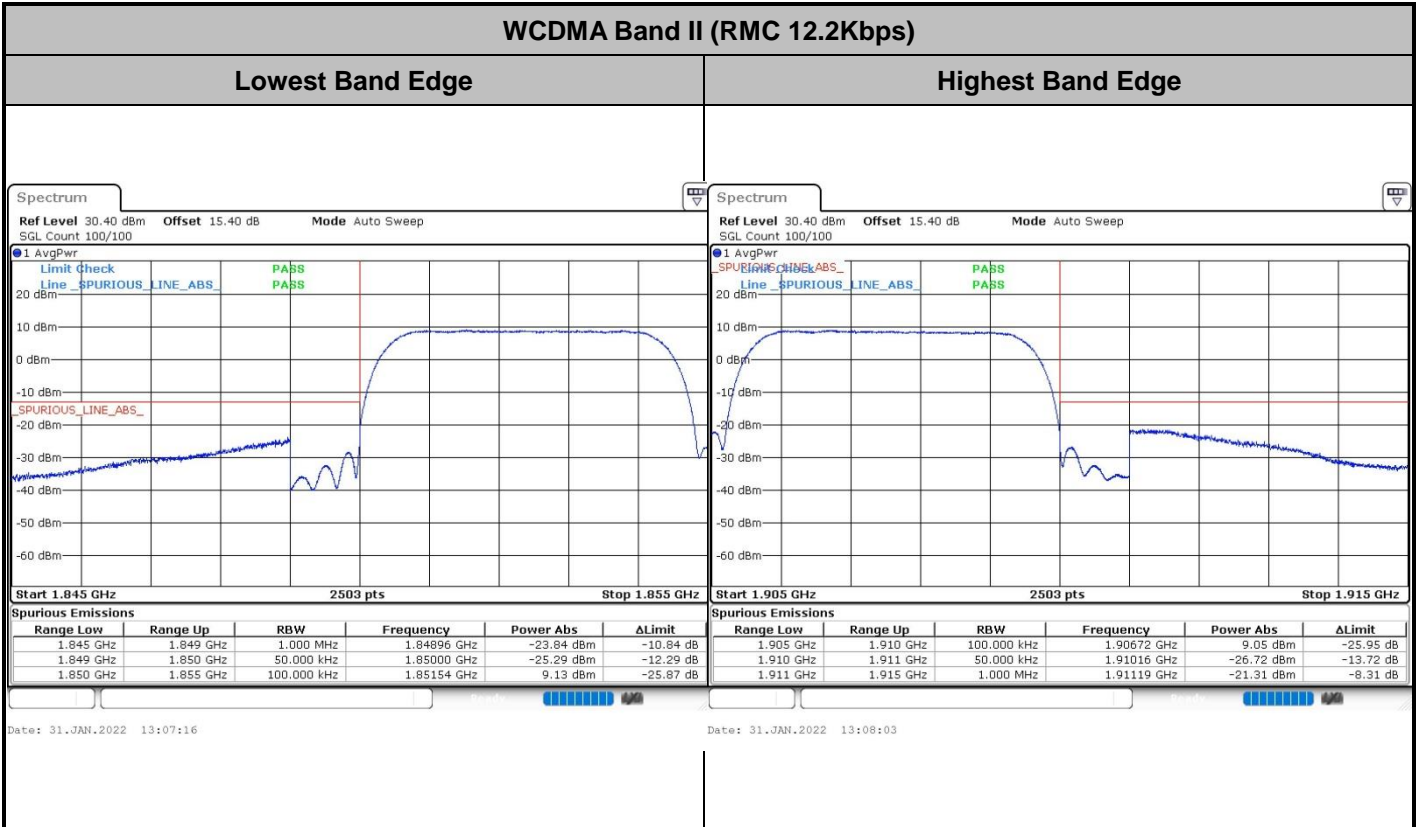
Date: 31.JAN.2022 13:05:49





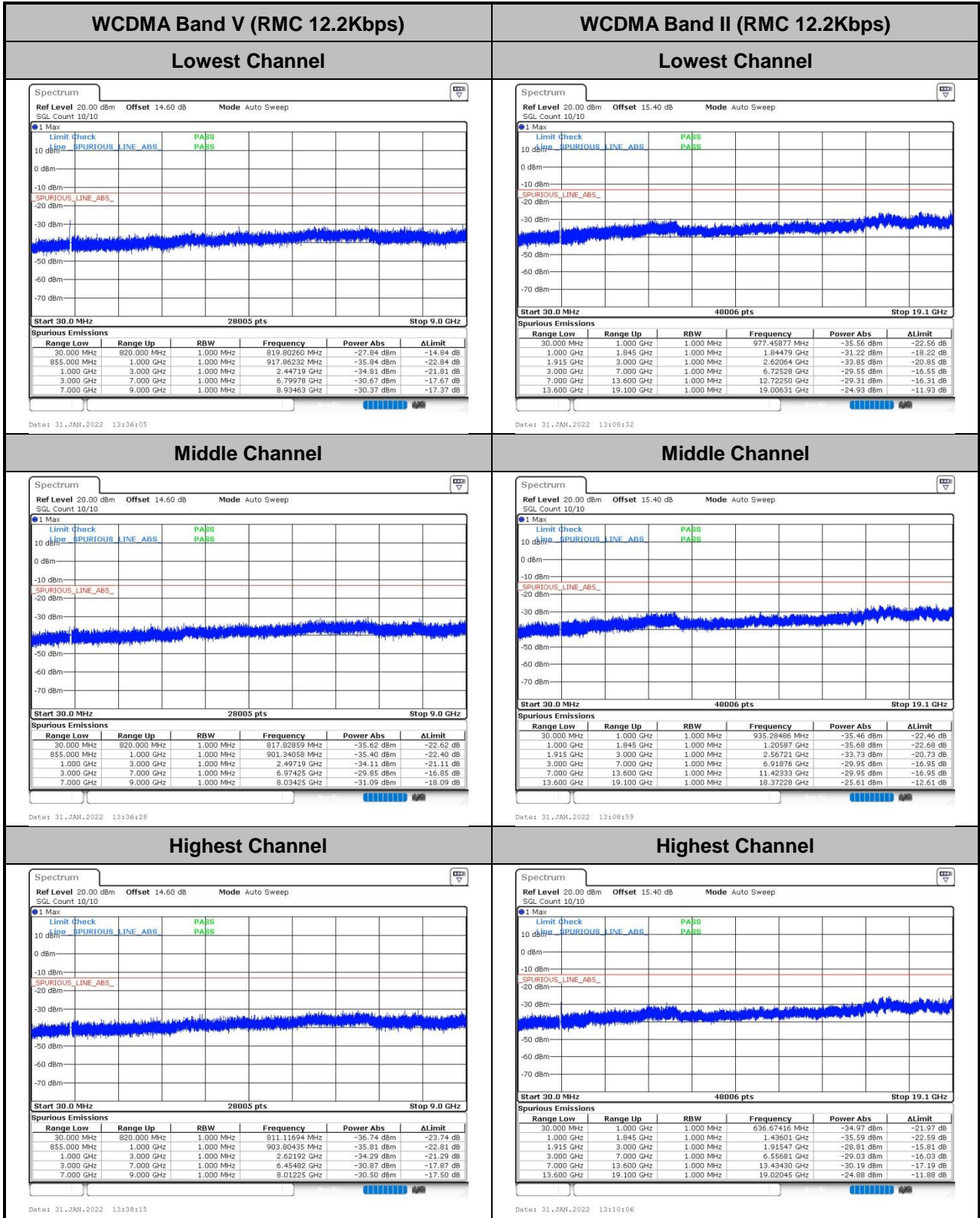
Conducted Band Edge







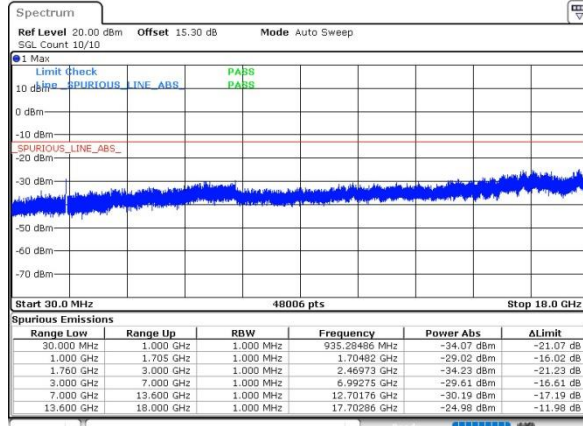
Conducted Spurious Emission





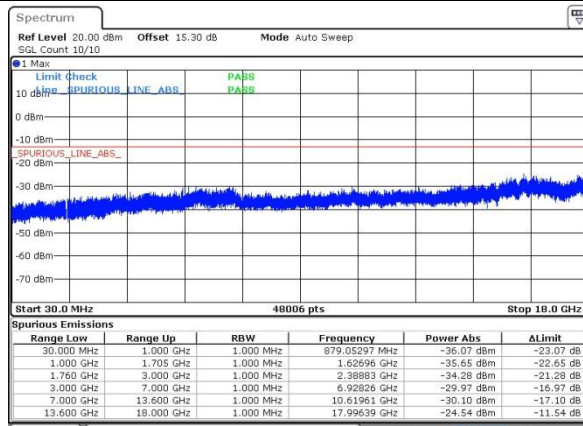
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



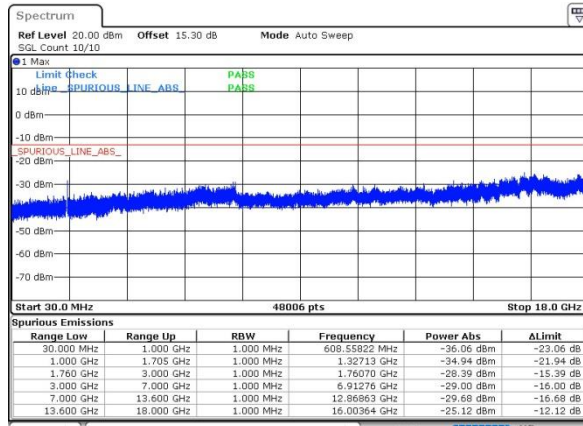
Date: 31.JAN.2022 13:21:56

Middle Channel



Date: 31.JAN.2022 13:22:18

Highest Channel



Date: 31.JAN.2022 13:23:42



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0055	PASS
40	Normal Voltage	0.0357	
30	Normal Voltage	0.0421	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0061	
0	Normal Voltage	0.0336	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0132	
-30	Normal Voltage	0.0352	
20	Maximum Voltage	0.0433	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0145	PASS
40	Normal Voltage	0.0168	
30	Normal Voltage	0.0142	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0137	
0	Normal Voltage	0.0144	
-10	Normal Voltage	0.0242	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0151	
20	Maximum Voltage	0.0170	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	



Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0059	PASS
40	Normal Voltage	0.0135	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0137	
-20	Normal Voltage	0.0152	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0162	

Note:

1. Normal Voltage = 3.85V ; 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

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Sample 1:

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	-50.12	-13	-37.12	-57.09	1.58	10.70	H
	2472	-50.66	-13	-37.66	-58.91	2.102	12.50	H
	3296	-58.20	-13	-45.20	-67.09	2.856	13.90	H
	1648	-43.17	-13	-30.17	-50.14	1.58	10.70	V
	2472	-48.64	-13	-35.64	-56.89	2.10	12.50	V
	3296	-59.62	-13	-46.62	-68.51	2.86	13.90	V
Middle	1672	-52.29	-13	-39.29	-59.26	1.58	10.70	H
	2512	-45.79	-13	-32.79	-54.04	2.102	12.50	H
	3344	-59.59	-13	-46.59	-68.48	2.856	13.90	H
	1672	-46.84	-13	-33.84	-53.81	1.58	10.70	V
	2512	-51.37	-13	-38.37	-59.62	2.10	12.50	V
	3344	-59.73	-13	-46.73	-68.62	2.86	13.90	V
Highest	1696	-57.21	-13	-44.21	-64.18	1.58	10.70	H
	2544	-50.05	-13	-37.05	-58.30	2.102	12.50	H
	3392	-59.12	-13	-46.12	-68.01	2.856	13.90	H
	1696	-51.18	-13	-38.18	-58.15	1.58	10.70	V
	2544	-54.00	-13	-41.00	-62.25	2.10	12.50	V
	3392	-59.83	-13	-46.83	-68.72	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-55.51	-13	-42.51	-62.48	1.58	10.70	H
	2472	-52.02	-13	-39.02	-60.27	2.102	12.50	H
	3296	-58.72	-13	-45.72	-67.61	2.856	13.90	H
	1648	-53.68	-13	-40.68	-60.65	1.58	10.70	V
	2472	-54.51	-13	-41.51	-62.76	2.10	12.50	V
	3296	-59.78	-13	-46.78	-68.67	2.86	13.90	V
Middle	1672	-56.43	-13	-43.43	-63.40	1.58	10.70	H
	2512	-51.50	-13	-38.50	-59.75	2.102	12.50	H
	3344	-59.85	-13	-46.85	-68.74	2.856	13.90	H
	1672	-53.66	-13	-40.66	-60.63	1.58	10.70	V
	2512	-53.54	-13	-40.54	-61.79	2.10	12.50	V
	3344	-58.90	-13	-45.90	-67.79	2.86	13.90	V
Highest	1696	-56.22	-13	-43.22	-63.19	1.58	10.70	H
	2544	-50.38	-13	-37.38	-58.63	2.102	12.50	H
	3392	-59.57	-13	-46.57	-68.46	2.856	13.90	H
	1696	-50.99	-13	-37.99	-57.96	1.58	10.70	V
	2544	-54.58	-13	-41.58	-62.83	2.10	12.50	V
	3392	-59.97	-13	-46.97	-68.86	2.86	13.90	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	3705	-56.94	-13	-43.94	-69.20	2.64	14.90	H
	5550	-55.25	-13	-42.25	-67.11	2.94	14.80	H
	7395	-52.84	-13	-39.84	-62.61	3.39	13.16	H
	3705	-57.17	-13	-44.17	-69.43	2.64	14.90	V
	5550	-55.53	-13	-42.53	-67.39	2.94	14.80	V
	7395	-53.06	-13	-40.06	-62.83	3.39	13.16	V
Middle	3765	-56.50	-13	-43.50	-68.76	2.64	14.90	H
	5640	-54.33	-13	-41.33	-66.19	2.94	14.80	H
	7515	-52.29	-13	-39.29	-62.06	3.39	13.16	H
	3765	-56.51	-13	-43.51	-68.77	2.64	14.90	V
	5640	-55.14	-13	-42.14	-67.00	2.94	14.80	V
	7515	-52.18	-13	-39.18	-61.95	3.39	13.16	V
Highest	3825	-57.31	-13	-44.31	-69.57	2.64	14.90	H
	5730	-54.82	-13	-41.82	-66.68	2.94	14.80	H
	7635	-52.28	-13	-39.28	-62.05	3.39	13.16	H
	3825	-56.79	-13	-43.79	-69.05	2.64	14.90	V
	5730	-54.96	-13	-41.96	-66.82	2.94	14.80	V
	7635	-52.18	-13	-39.18	-61.95	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-57.21	-13	-44.21	-69.47	2.64	14.90	H
	5550	-54.78	-13	-41.78	-66.64	2.94	14.80	H
	7395	-52.93	-13	-39.93	-62.70	3.39	13.16	H
	3705	-56.65	-13	-43.65	-68.91	2.64	14.90	V
	5550	-55.39	-13	-42.39	-67.25	2.94	14.80	V
	7395	-53.10	-13	-40.10	-62.87	3.39	13.16	V
Middle	3765	-56.77	-13	-43.77	-69.03	2.64	14.90	H
	5640	-54.63	-13	-41.63	-66.49	2.94	14.80	H
	7515	-52.45	-13	-39.45	-62.22	3.39	13.16	H
	3765	-56.87	-13	-43.87	-69.13	2.64	14.90	V
	5640	-55.23	-13	-42.23	-67.09	2.94	14.80	V
	7515	-52.80	-13	-39.80	-62.57	3.39	13.16	V
Highest	3825	-57.15	-13	-44.15	-69.41	2.64	14.90	H
	5730	-55.11	-13	-42.11	-66.97	2.94	14.80	H
	7635	-52.97	-13	-39.97	-62.74	3.39	13.16	H
	3825	-57.01	-13	-44.01	-69.27	2.64	14.90	V
	5730	-55.07	-13	-42.07	-66.93	2.94	14.80	V
	7635	-52.71	-13	-39.71	-62.48	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	1656	-62.44	-13	-49.44	-69.41	1.58	10.70	H
	2480	-60.55	-13	-47.55	-68.80	2.102	12.50	H
	3304	-60.52	-13	-47.52	-69.41	2.856	13.90	H
	1656	-62.31	-13	-49.31	-69.28	1.58	10.70	V
	2480	-59.72	-13	-46.72	-67.97	2.10	12.50	V
	3304	-60.05	-13	-47.05	-68.94	2.86	13.90	V
Middle	1672	-63.16	-13	-50.16	-70.13	1.58	10.70	H
	2512	-60.39	-13	-47.39	-68.64	2.102	12.50	H
	3344	-59.80	-13	-46.80	-68.69	2.856	13.90	H
	1672	-62.24	-13	-49.24	-69.21	1.58	10.70	V
	2512	-59.21	-13	-46.21	-67.46	2.10	12.50	V
	3344	-59.90	-13	-46.90	-68.79	2.86	13.90	V
Highest	1696	-64.50	-13	-51.50	-71.47	1.58	10.70	H
	2536	-59.62	-13	-46.62	-67.87	2.102	12.50	H
	3384	-60.50	-13	-47.50	-69.39	2.856	13.90	H
	1696	-63.57	-13	-50.57	-70.54	1.58	10.70	V
	2536	-60.59	-13	-47.59	-68.84	2.10	12.50	V
	3384	-60.31	-13	-47.31	-69.20	2.86	13.90	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	-56.51	-13	-43.51	-68.77	2.64	14.90	H
	5550	-54.79	-13	-41.79	-66.65	2.94	14.80	H
	7410	-52.26	-13	-39.26	-62.03	3.39	13.16	H
	3705	-56.18	-13	-43.18	-68.44	2.64	14.90	V
	5550	-55.09	-13	-42.09	-66.95	2.94	14.80	V
	7410	-52.44	-13	-39.44	-62.21	3.39	13.16	V
Middle	3765	-56.26	-13	-43.26	-68.52	2.64	14.90	H
	5640	-54.48	-13	-41.48	-66.34	2.94	14.80	H
	7515	-52.11	-13	-39.11	-61.88	3.39	13.16	H
	3765	-56.12	-13	-43.12	-68.38	2.64	14.90	V
	5640	-54.74	-13	-41.74	-66.60	2.94	14.80	V
	7515	-52.39	-13	-39.39	-62.16	3.39	13.16	V
Highest	3810	-55.21	-13	-42.21	-67.47	2.64	14.90	H
	5730	-54.83	-13	-41.83	-66.69	2.94	14.80	H
	7635	-52.06	-13	-39.06	-61.83	3.39	13.16	H
	3810	-54.73	-13	-41.73	-66.99	2.64	14.90	V
	5730	-55.05	-13	-42.05	-66.91	2.94	14.80	V
	7635	-52.01	-13	-39.01	-61.78	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	3420	-52.14	-13	-39.14	-62.88	2.604	13.34	H
	5130	-54.55	-13	-41.55	-65.06	3.011	13.52	H
	6855	-54.36	-13	-41.36	-64.56	3.271	13.47	H
	3420	-52.16	-13	-39.16	-62.90	2.604	13.34	V
	5130	-54.83	-13	-41.83	-65.34	3.011	13.52	V
	6855	-54.25	-13	-41.25	-64.45	3.271	13.47	V
Middle	3465	-48.62	-13	-35.62	-59.36	2.604	13.34	H
	5205	-54.53	-13	-41.53	-65.04	3.011	13.52	H
	6930	-53.91	-13	-40.91	-64.11	3.271	13.47	H
	3465	-49.67	-13	-36.67	-60.41	2.604	13.34	V
	5205	-54.36	-13	-41.36	-64.87	3.011	13.52	V
	6930	-53.76	-13	-40.76	-63.96	3.271	13.47	V
Highest	3510	-52.36	-13	-39.36	-63.10	2.604	13.34	H
	5265	-54.81	-13	-41.81	-65.32	3.011	13.52	H
	7005	-53.63	-13	-40.63	-63.83	3.271	13.47	H
	3510	-52.61	-13	-39.61	-63.35	2.604	13.34	V
	5265	-54.47	-13	-41.47	-64.98	3.011	13.52	V
	7005	-54.24	-13	-41.24	-64.44	3.271	13.47	V

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



Sample 2:

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	-48.12	-13	-35.12	-55.09	1.58	10.70	H
	2472	-48.66	-13	-35.66	-56.91	2.102	12.50	H
	3296	-57.35	-13	-44.35	-66.24	2.856	13.90	H
	1648	-46.17	-13	-33.17	-53.14	1.58	10.70	V
	2472	-50.55	-13	-37.55	-58.80	2.10	12.50	V
	3296	-59.19	-13	-46.19	-68.08	2.86	13.90	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)
Middle	3465	-49.31	-13	-36.31	-60.05	2.604	13.34	H
	5190	-54.54	-13	-41.54	-65.05	3.011	13.52	H
	6930	-53.65	-13	-40.65	-63.85	3.271	13.47	H
	3465	-50.96	-13	-37.96	-61.70	2.604	13.34	V
	5190	-54.28	-13	-41.28	-64.79	3.011	13.52	V
	6930	-53.71	-13	-40.71	-63.91	3.271	13.47	V

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