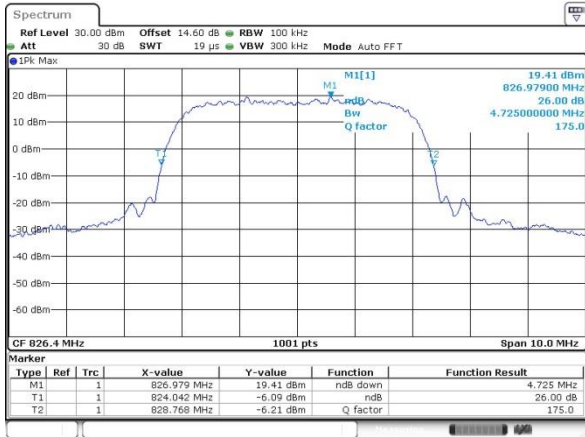




WCDMA Band V (RMC 12.2Kbps)

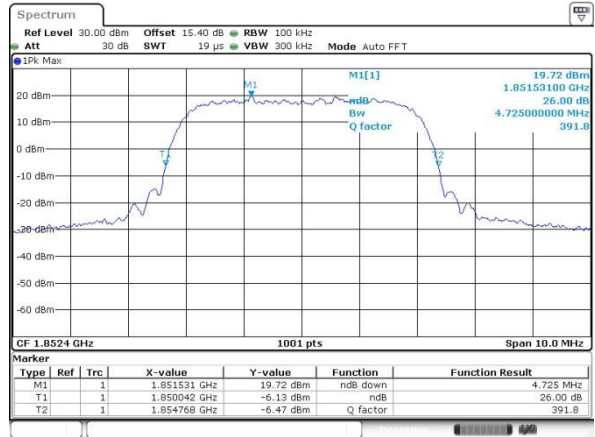
Lowest Channel



Date: 31.JAN.2022 16:49:36

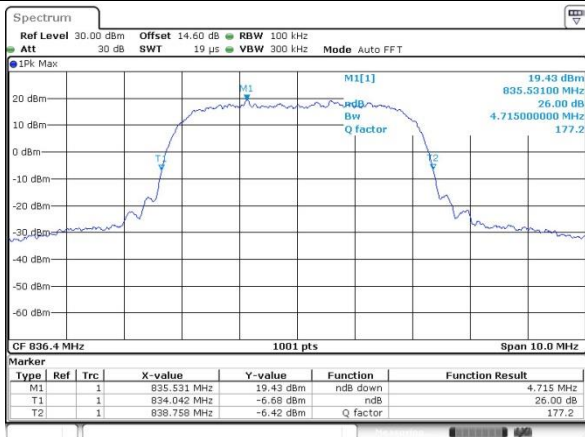
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



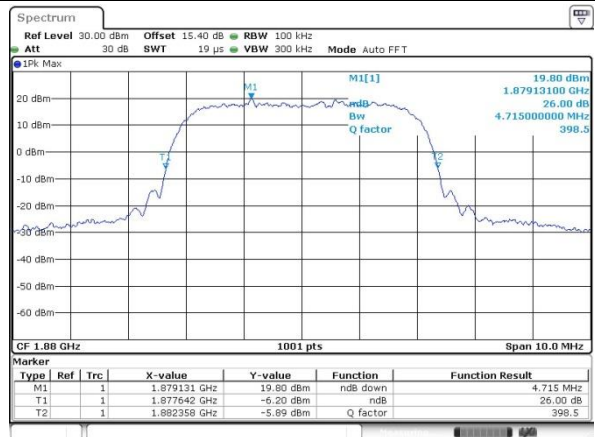
Date: 31.JAN.2022 16:18:44

Middle Channel



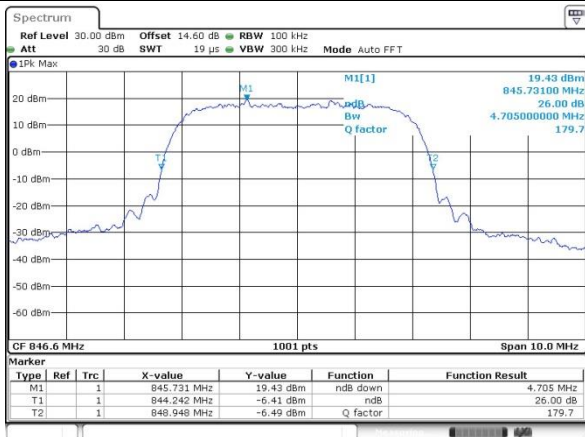
Date: 31.JAN.2022 16:50:02

Middle Channel



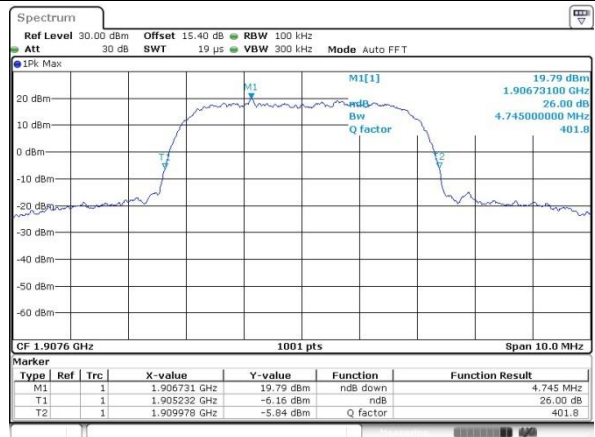
Date: 31.JAN.2022 16:19:26

Highest Channel



Date: 31.JAN.2022 16:50:53

Highest Channel

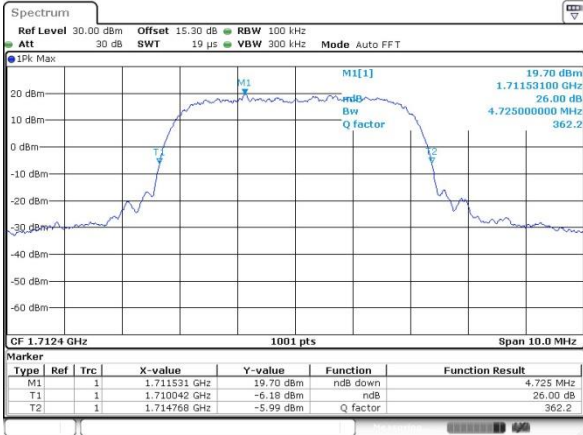


Date: 31.JAN.2022 16:19:50



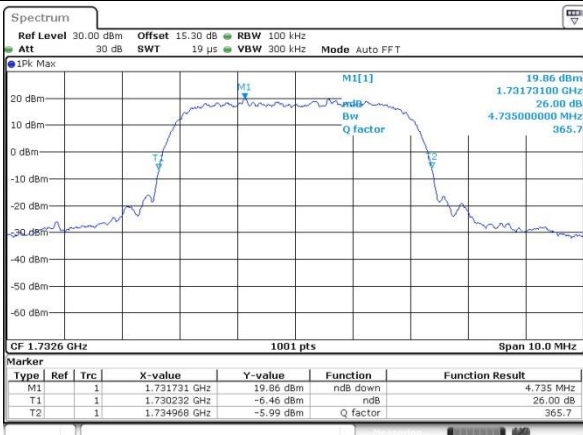
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



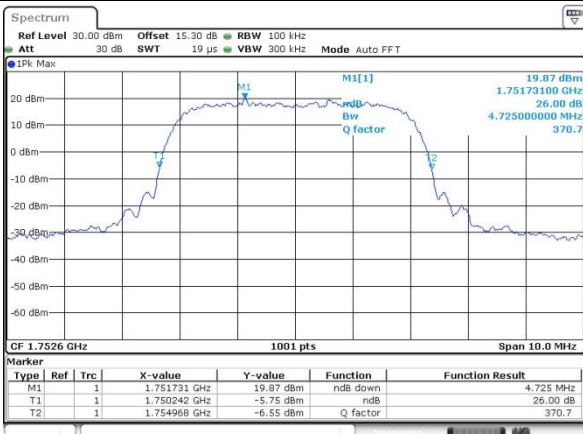
Date: 31_JAN_2022 16:36:21

Middle Channel



Date: 31_JAN_2022 16:37:24

Highest Channel



Date: 31_JAN_2022 16:37:50



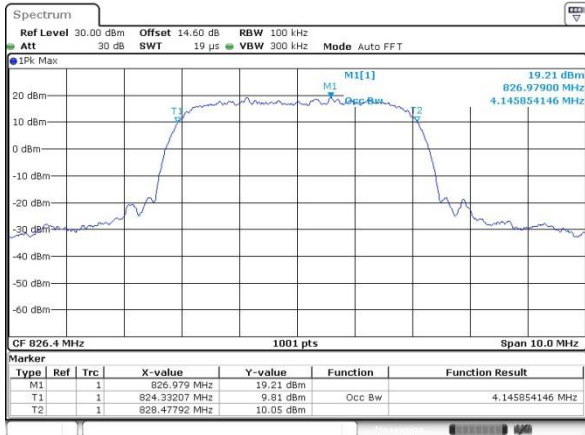
Occupied Bandwidth

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	4.15	4.15
Middle CH	4.14	4.15	4.15
Highest CH	4.13	4.16	4.14



WCDMA Band V (RMC 12.2Kbps)

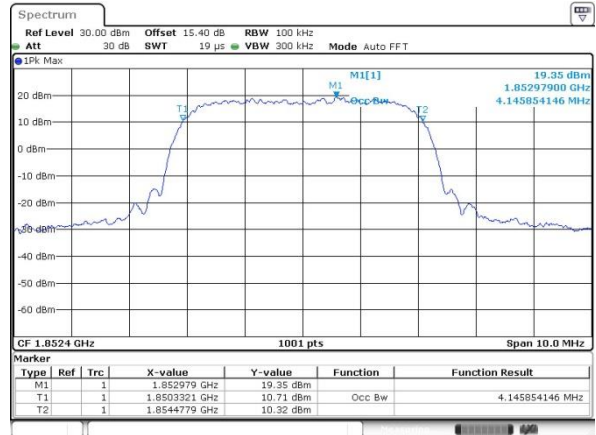
Lowest Channel



Date: 31.JAN.2022 16:54:11

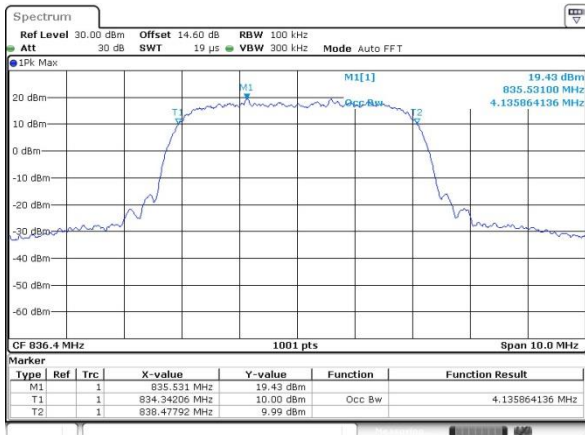
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



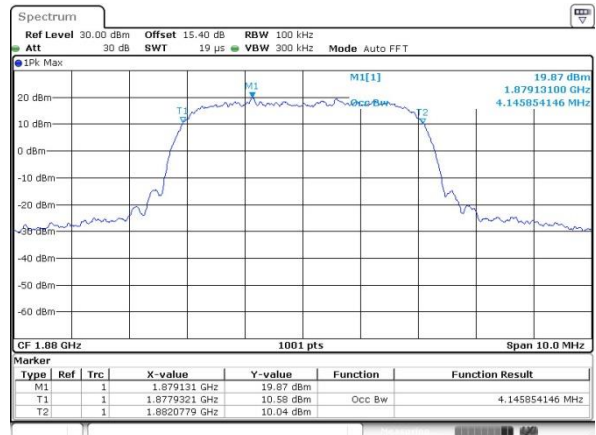
Date: 31.JAN.2022 16:24:06

Middle Channel



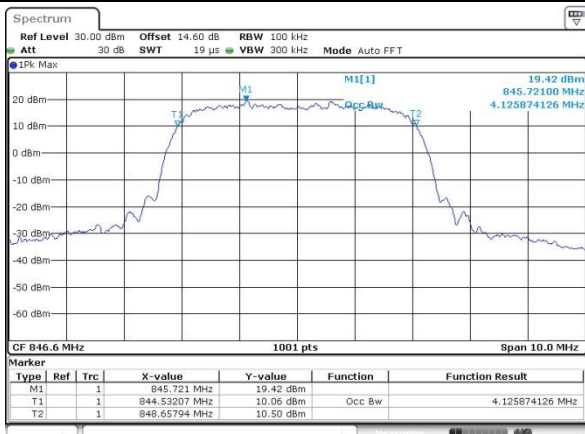
Date: 31.JAN.2022 16:54:36

Middle Channel



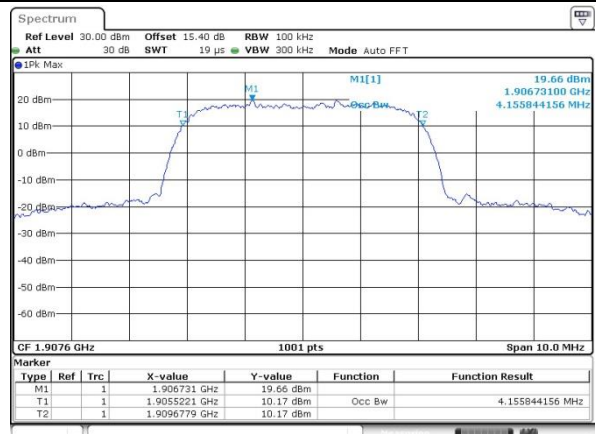
Date: 31.JAN.2022 16:24:42

Highest Channel



Date: 31.JAN.2022 16:55:14

Highest Channel

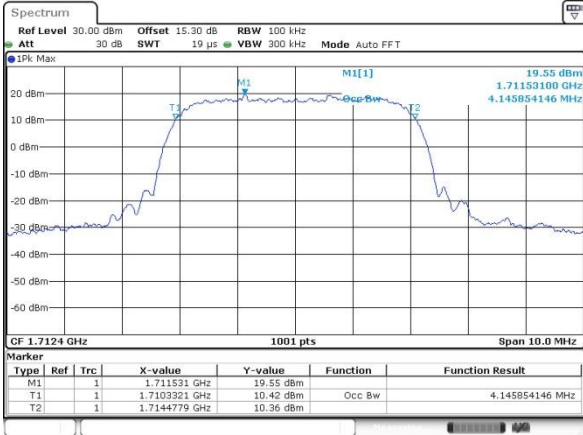


Date: 31.JAN.2022 16:25:49



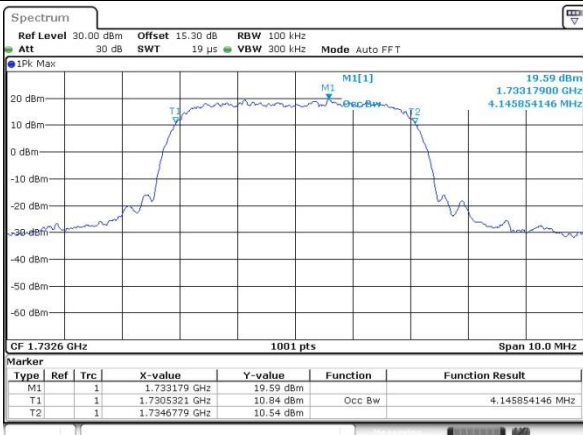
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



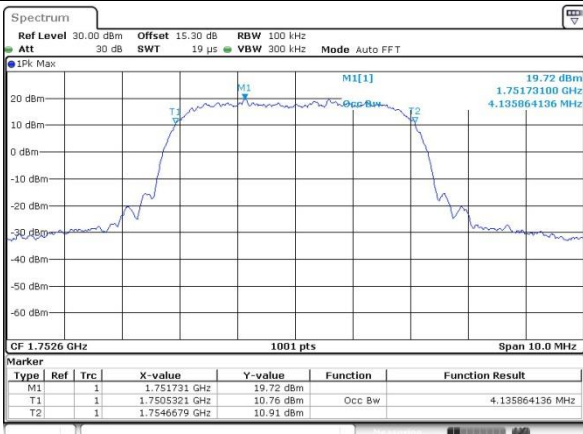
Date: 31_JAN_2022 16:41:23

Middle Channel



Date: 31_JAN_2022 16:41:50

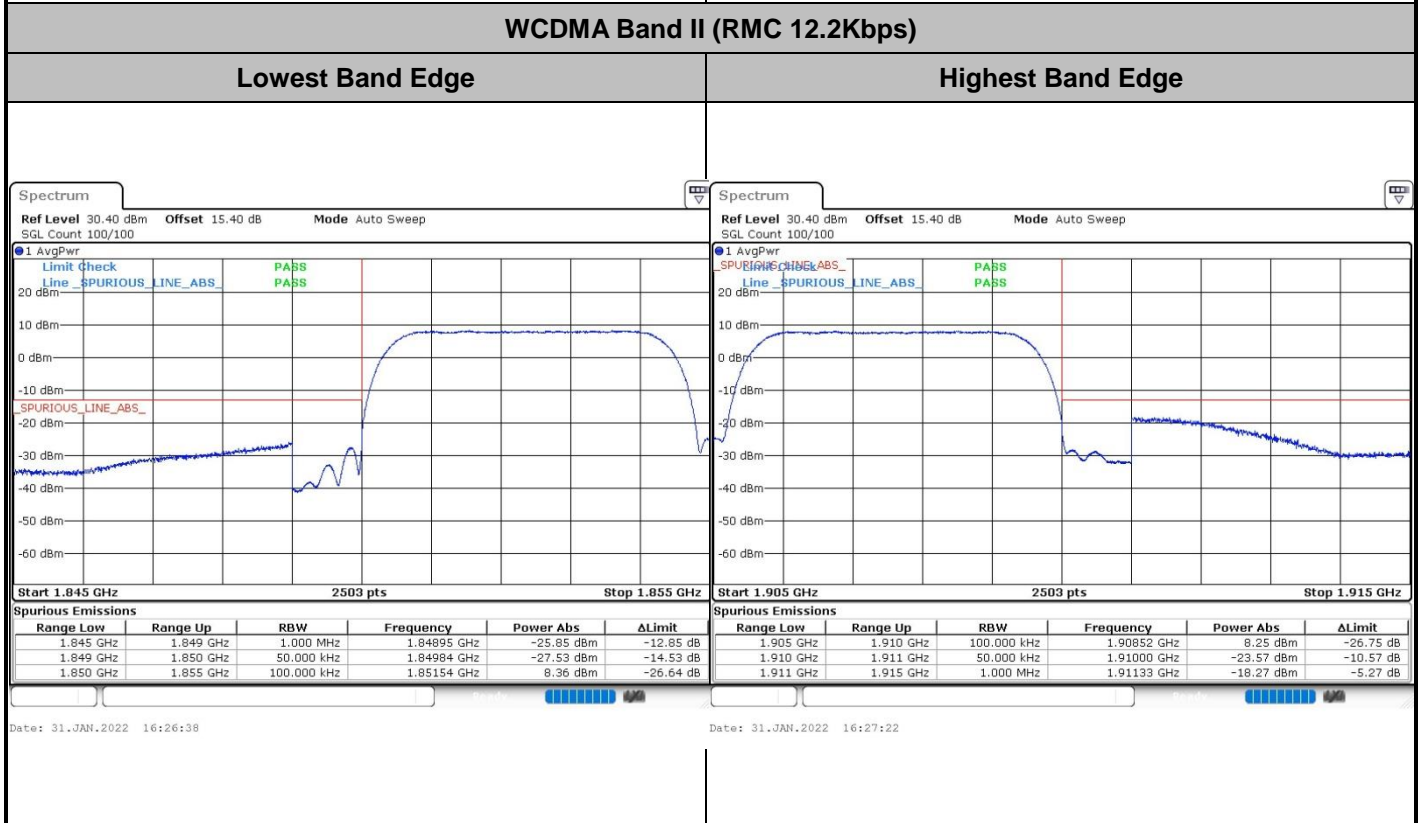
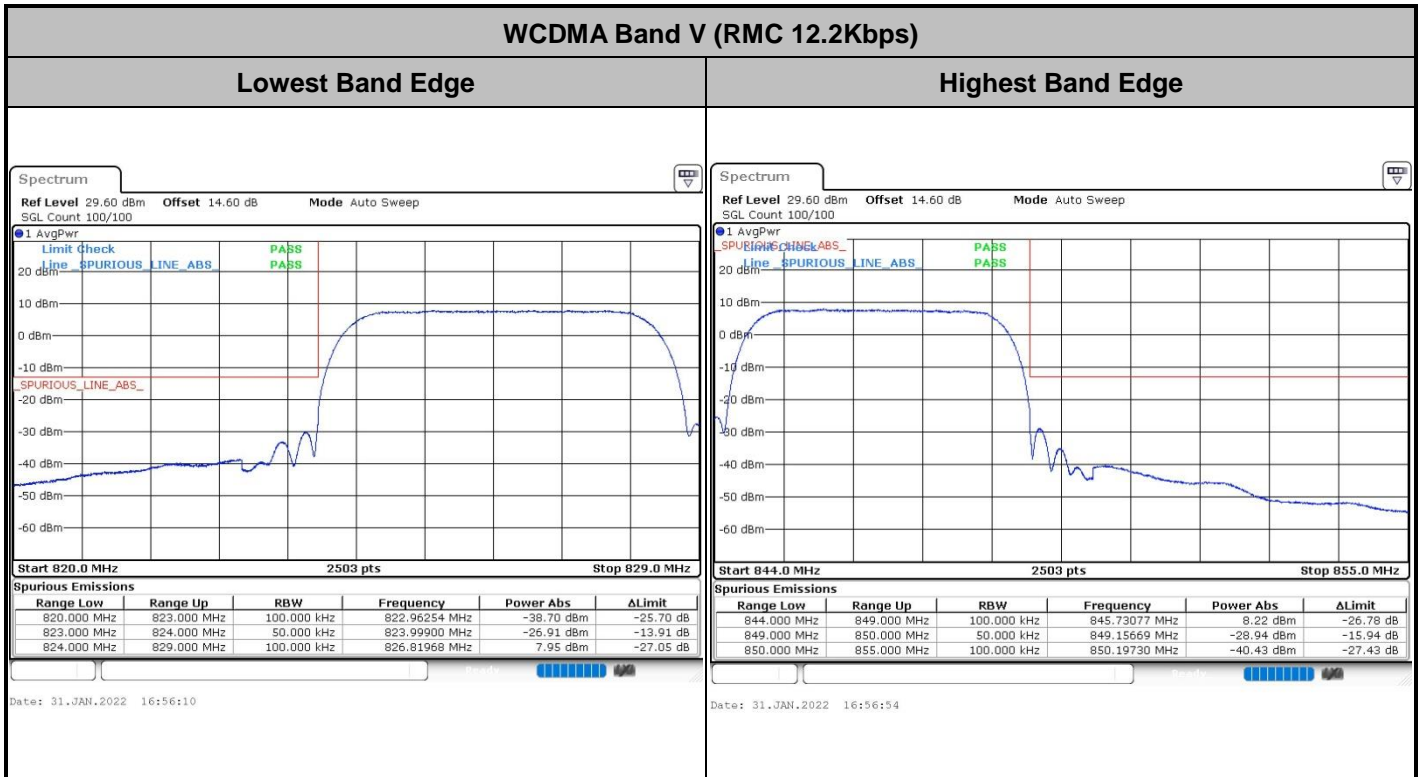
Highest Channel

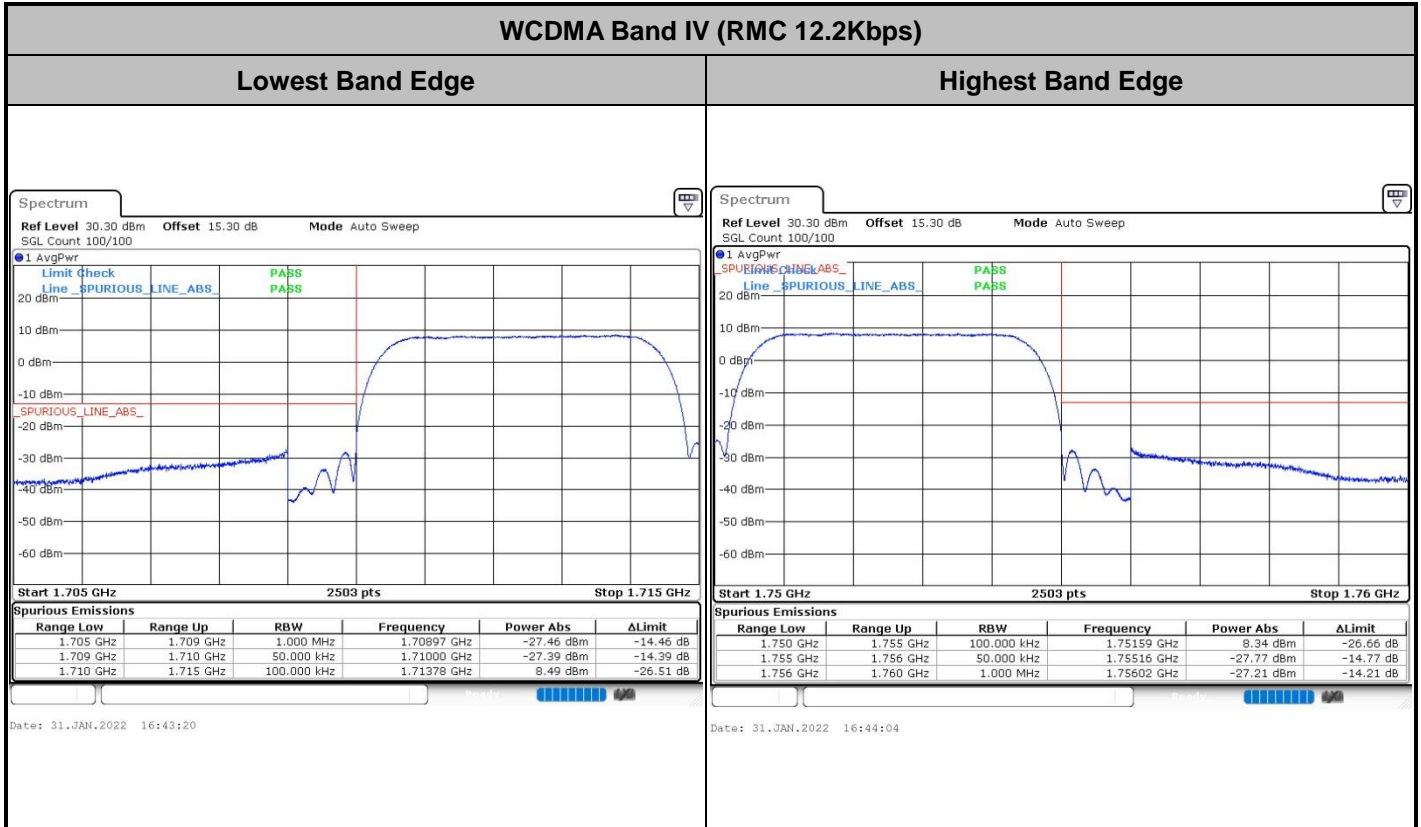


Date: 31_JAN_2022 16:42:14



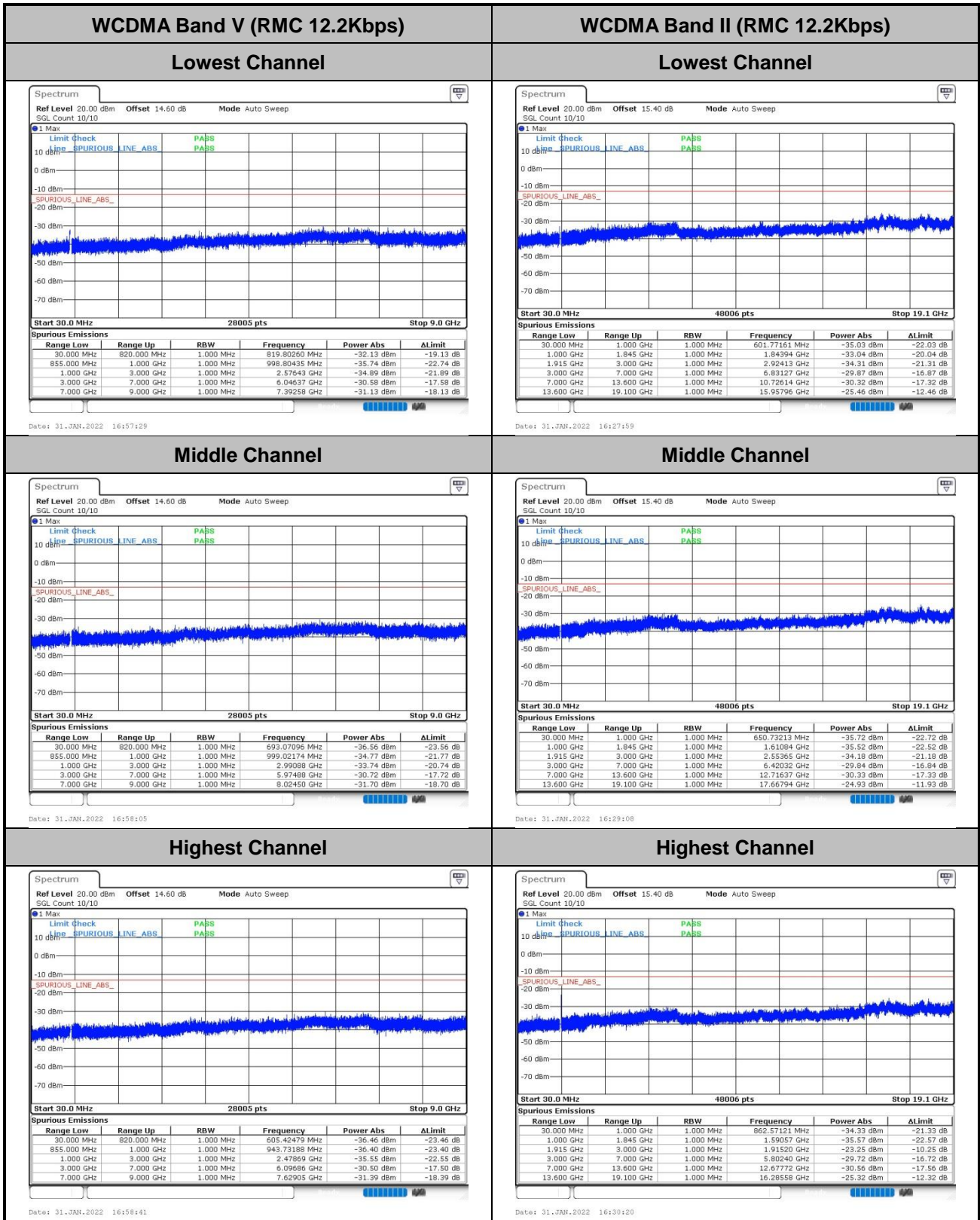
Conducted Band Edge







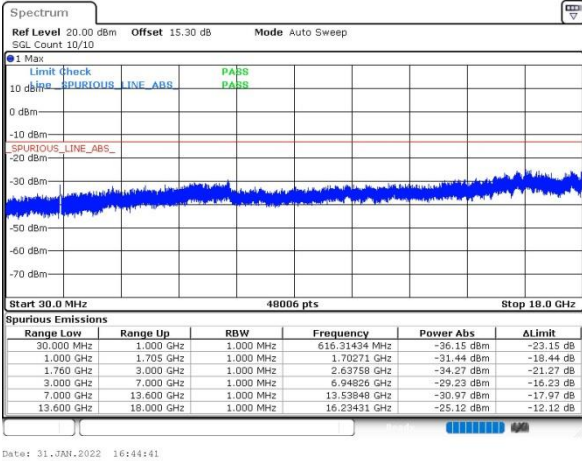
Conducted Spurious Emission



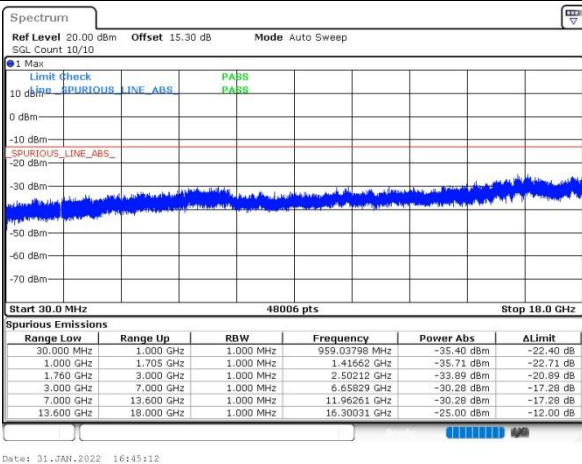


WCDMA Band IV (RMC 12.2Kbps)

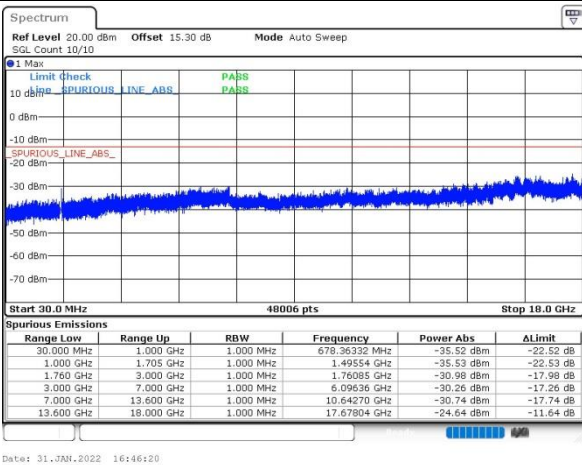
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0328	
30	Normal Voltage	0.0355	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0285	
-10	Normal Voltage	0.0071	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0336	
20	Maximum Voltage	0.0381	
20	Normal Voltage	0.0141	
20	Battery End Point	0.0079	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45V
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 II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0115	PASS
40	Normal Voltage	0.0142	
30	Normal Voltage	0.0133	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0121	
0	Normal Voltage	0.0151	
-10	Normal Voltage	0.0237	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0121	
20	Maximum Voltage	0.0136	
20	Normal Voltage	0.0141	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45V
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	0.0076	PASS
40	Normal Voltage	0.0115	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0105	
-20	Normal Voltage	0.0131	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0144	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45V
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%

GSM850 (GPRS 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)
Middle	1672	-40.15	-13	-27.15	-47.12	1.58	10.70	H
	2510	-51.14	-13	-38.14	-59.39	2.102	12.50	H
	3348	-59.85	-13	-46.85	-68.74	2.856	13.90	H
	1672	-42.39	-13	-29.39	-49.36	1.58	10.70	V
	2510	-46.27	-13	-33.27	-54.52	2.10	12.50	V
	3348	-60.06	-13	-47.06	-68.95	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)
Middle	1672	-49.59	-13	-36.59	-56.56	1.58	10.70	H
	2512	-57.73	-13	-44.73	-65.98	2.102	12.50	H
	3344	-60.25	-13	-47.25	-69.14	2.856	13.90	H
	1672	-53.03	-13	-40.03	-60.00	1.58	10.70	V
	2512	-56.40	-13	-43.40	-64.65	2.10	12.50	V
	3344	-60.22	-13	-47.22	-69.11	2.86	13.90	V

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

GSM1900 (GPRS 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)
Middle	3759	-52.69	-13	-39.69	-64.95	2.64	14.90	H
	5640	-46.54	-13	-33.54	-58.40	2.94	14.80	H
	7524	-51.65	-13	-38.65	-61.42	3.39	13.16	H
	3759	-54.94	-13	-41.94	-67.20	2.64	14.90	V
	5640	-48.61	-13	-35.61	-60.47	2.94	14.80	V
	7524	-52.03	-13	-39.03	-61.80	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)
Middle	3765	-56.18	-13	-43.18	-68.44	2.64	14.90	H
	5640	-53.95	-13	-40.95	-65.81	2.94	14.80	H
	7515	-52.08	-13	-39.08	-61.85	3.39	13.16	H
	3765	-56.33	-13	-43.33	-68.59	2.64	14.90	V
	5640	-55.03	-13	-42.03	-66.89	2.94	14.80	V
	7515	-52.32	-13	-39.32	-62.09	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)
Middle	1672	-64.40	-13	-51.40	-71.37	1.58	10.70	H
	2512	-60.32	-13	-47.32	-68.57	2.102	12.50	H
	3344	-59.70	-13	-46.70	-68.59	2.856	13.90	H
	1672	-63.24	-13	-50.24	-70.21	1.58	10.70	V
	2512	-59.49	-13	-46.49	-67.74	2.10	12.50	V
	3344	-59.78	-13	-46.78	-68.67	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)
Middle	3765	-56.58	-13	-43.58	-68.84	2.64	14.90	H
	5640	-54.23	-13	-41.23	-66.09	2.94	14.80	H
	7515	-51.99	-13	-38.99	-61.76	3.39	13.16	H
	3765	-56.49	-13	-43.49	-68.75	2.64	14.90	V
	5640	-54.83	-13	-41.83	-66.69	2.94	14.80	V
	7515	-52.09	-13	-39.09	-61.86	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)
Middle	3465	-57.54	-13	-44.54	-68.28	2.604	13.34	H
	5190	-53.88	-13	-40.88	-64.39	3.011	13.52	H
	6930	-53.29	-13	-40.29	-63.49	3.271	13.47	H
	3465	-57.55	-13	-44.55	-68.29	2.604	13.34	V
	5190	-54.13	-13	-41.13	-64.64	3.011	13.52	V
	6930	-53.34	-13	-40.34	-63.54	3.271	13.47	V

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