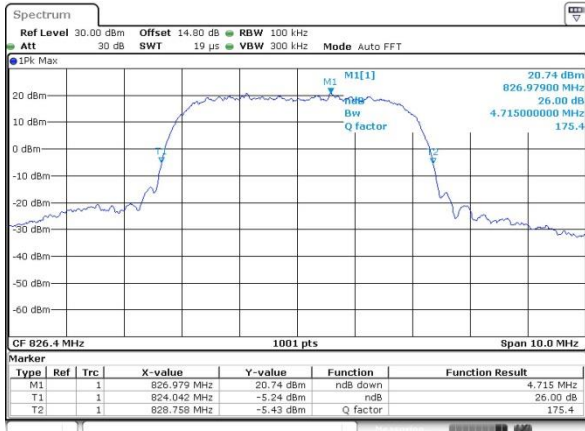




WCDMA Band V (RMC 12.2Kbps)

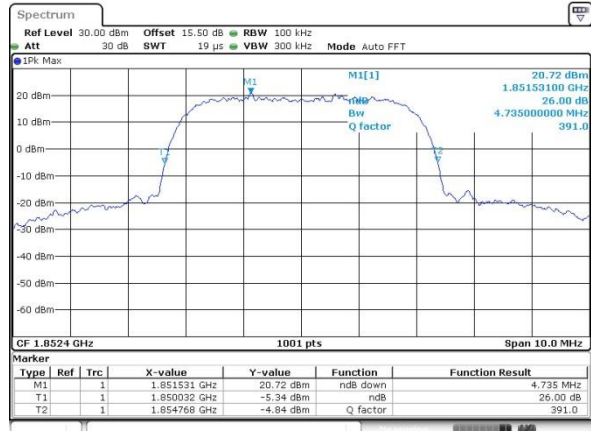
Lowest Channel



Date: 18 DEC 2021 02:08:20

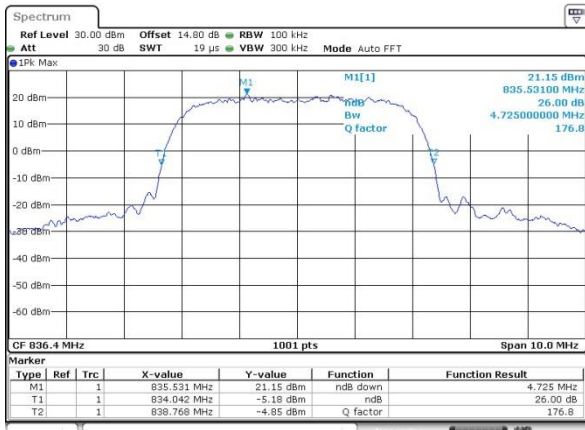
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



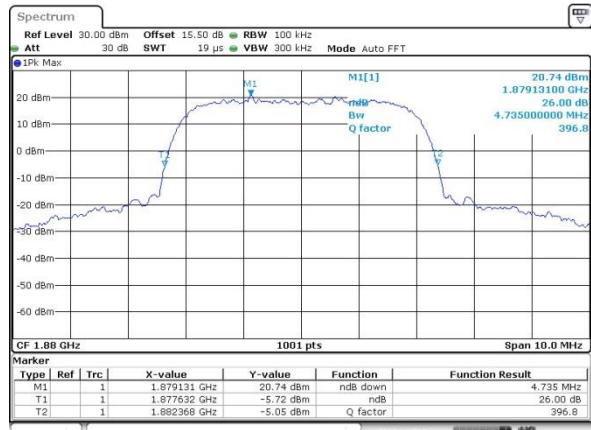
Date: 18 DEC 2021 00:35:37

Middle Channel



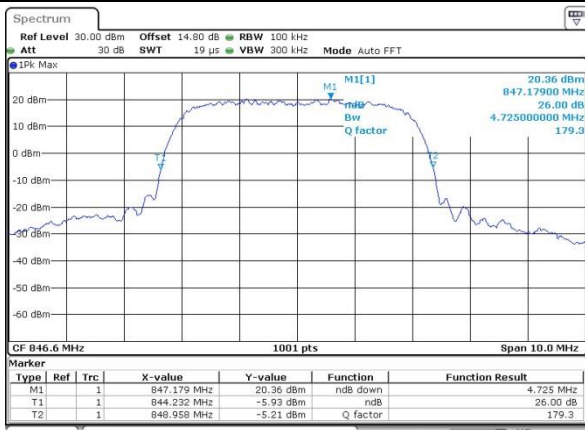
Date: 18 DEC 2021 02:09:02

Middle Channel



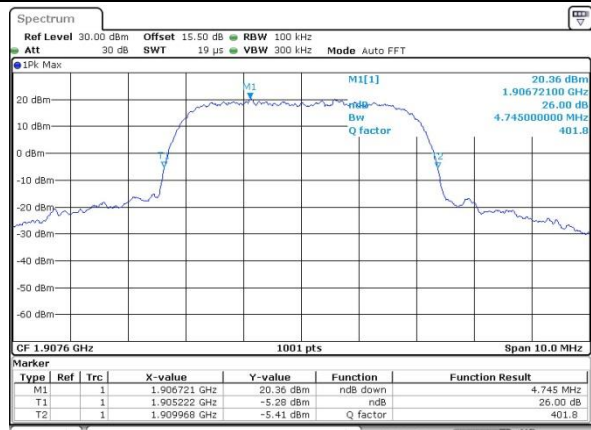
Date: 18 DEC 2021 00:38:03

Highest Channel



Date: 18 DEC 2021 02:10:02

Highest Channel

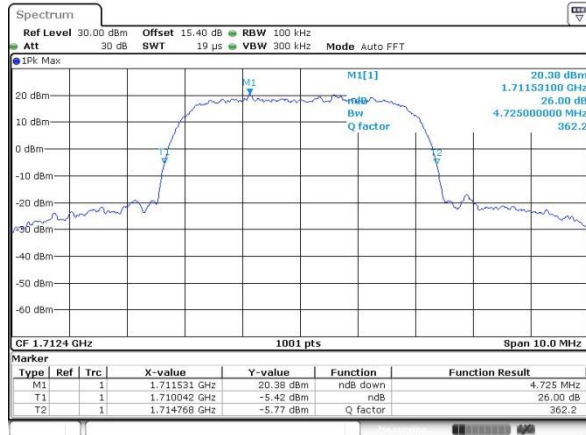


Date: 18 DEC 2021 00:38:52



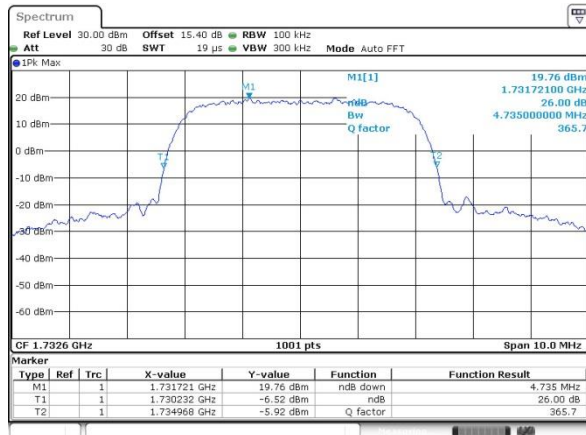
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



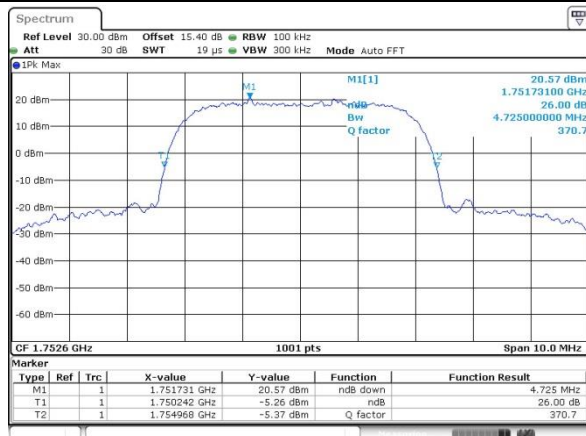
Date: 18 DEC 2021 01:10:13

Middle Channel



Date: 18 DEC 2021 01:10:37

Highest Channel



Date: 18 DEC 2021 01:11:08



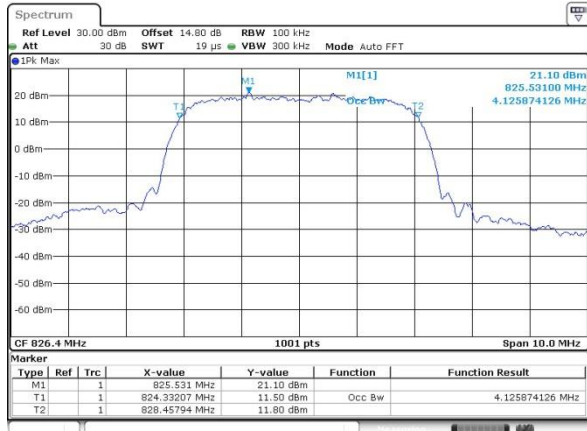
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

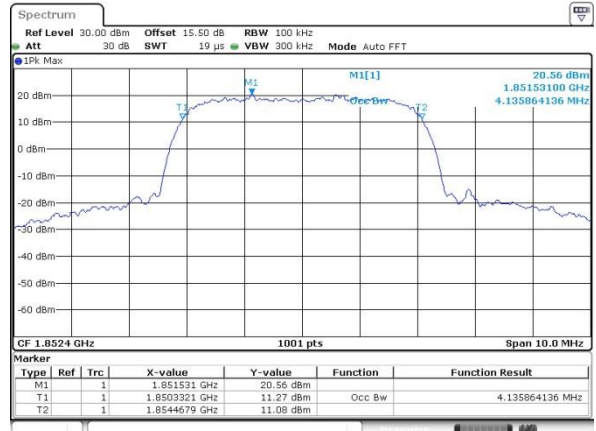
Lowest Channel



Date: 18 DEC 2021 02:14:03

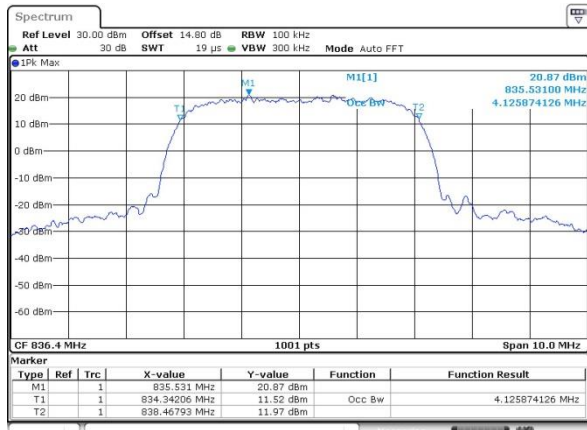
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



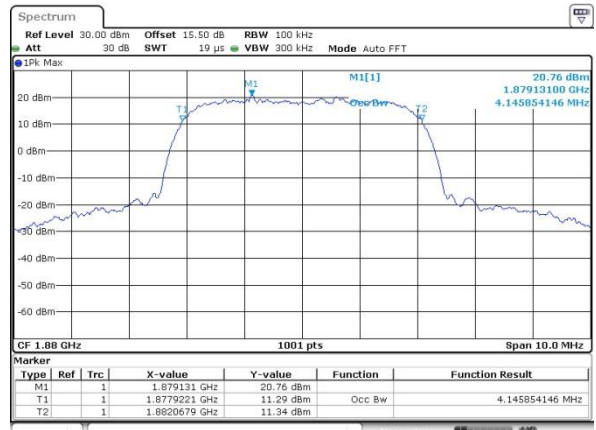
Date: 18 DEC 2021 00:41:47

Middle Channel



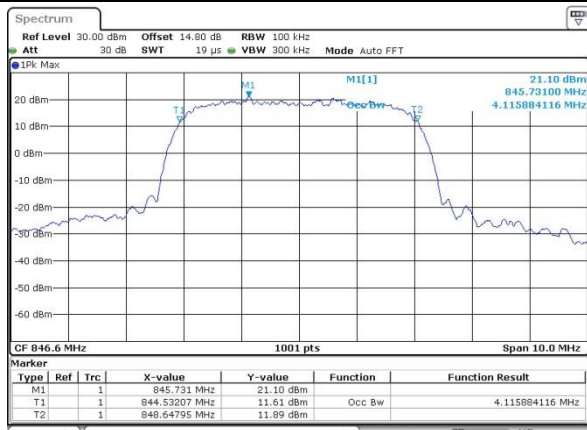
Date: 18 DEC 2021 02:14:48

Middle Channel



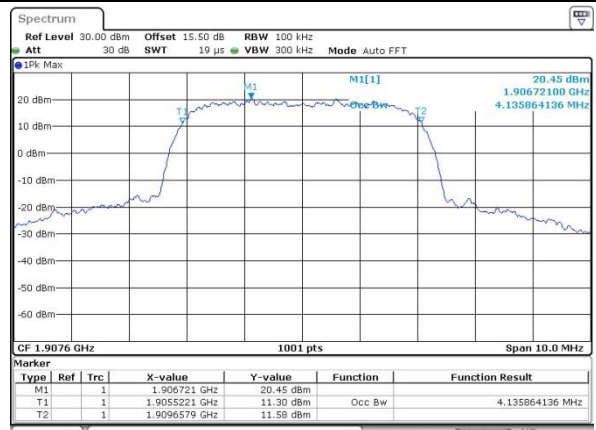
Date: 18 DEC 2021 00:42:19

Highest Channel



Date: 18 DEC 2021 02:15:22

Highest Channel

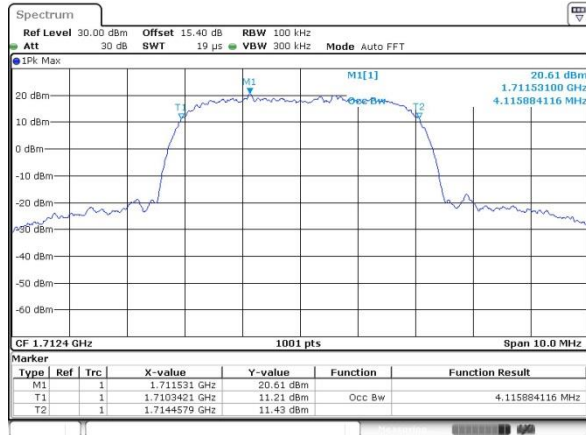


Date: 18 DEC 2021 00:43:01



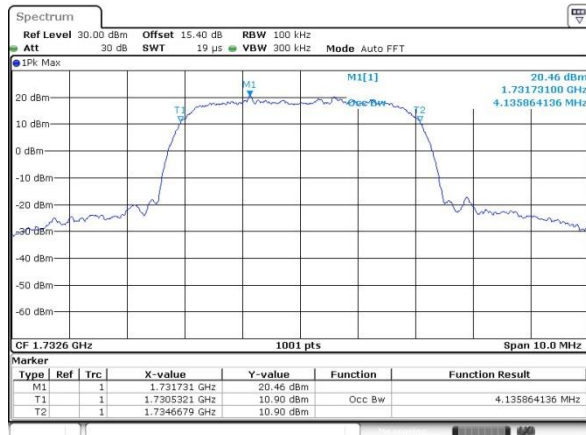
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



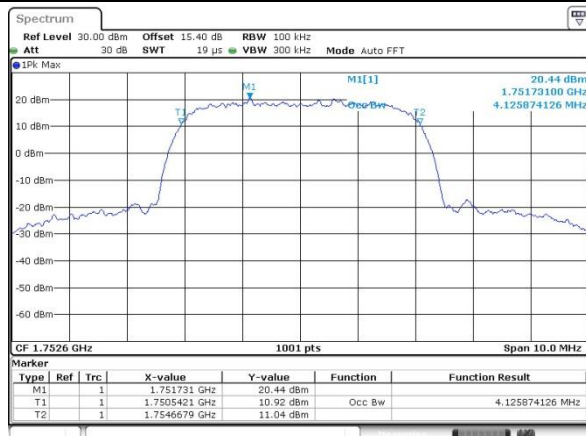
Date: 18 DEC 2021 01:16:41

Middle Channel



Date: 18 DEC 2021 01:17:05

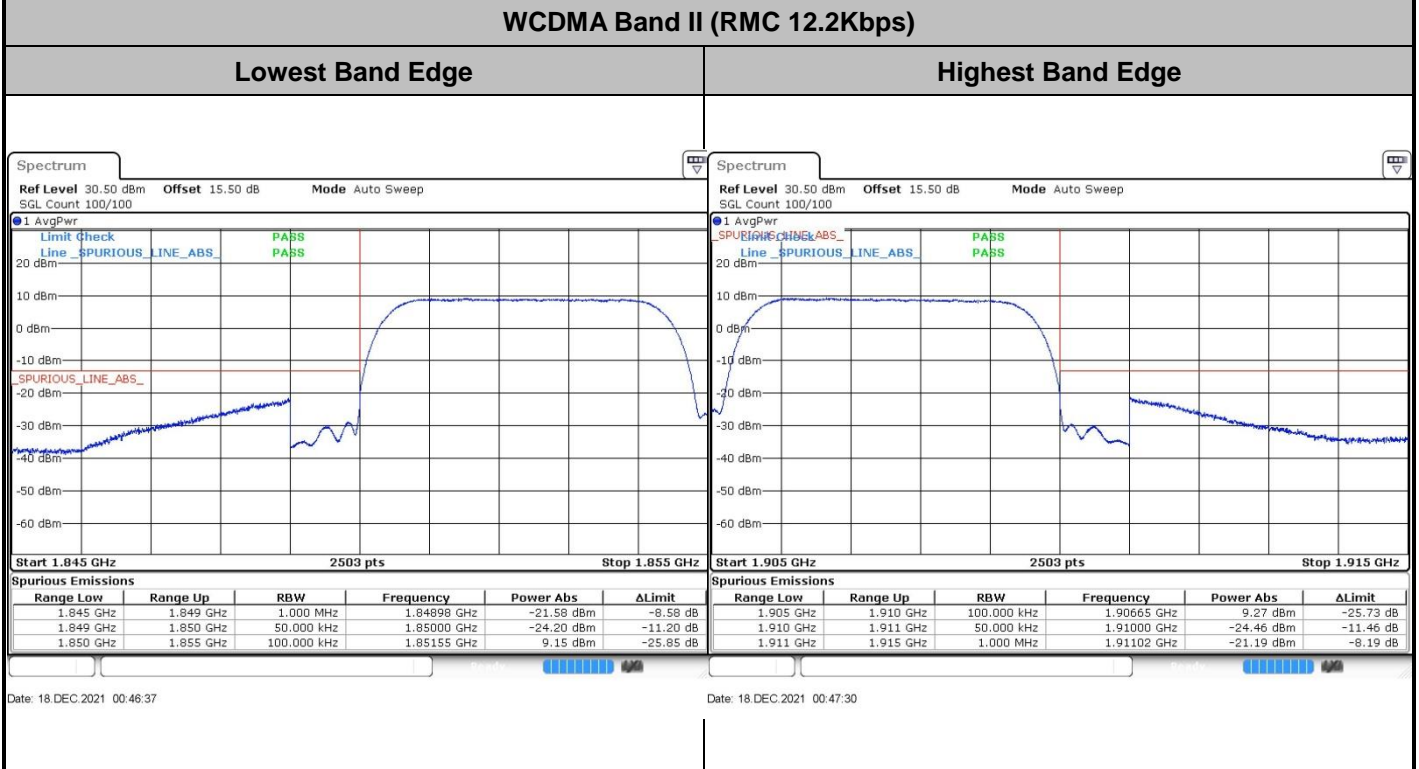
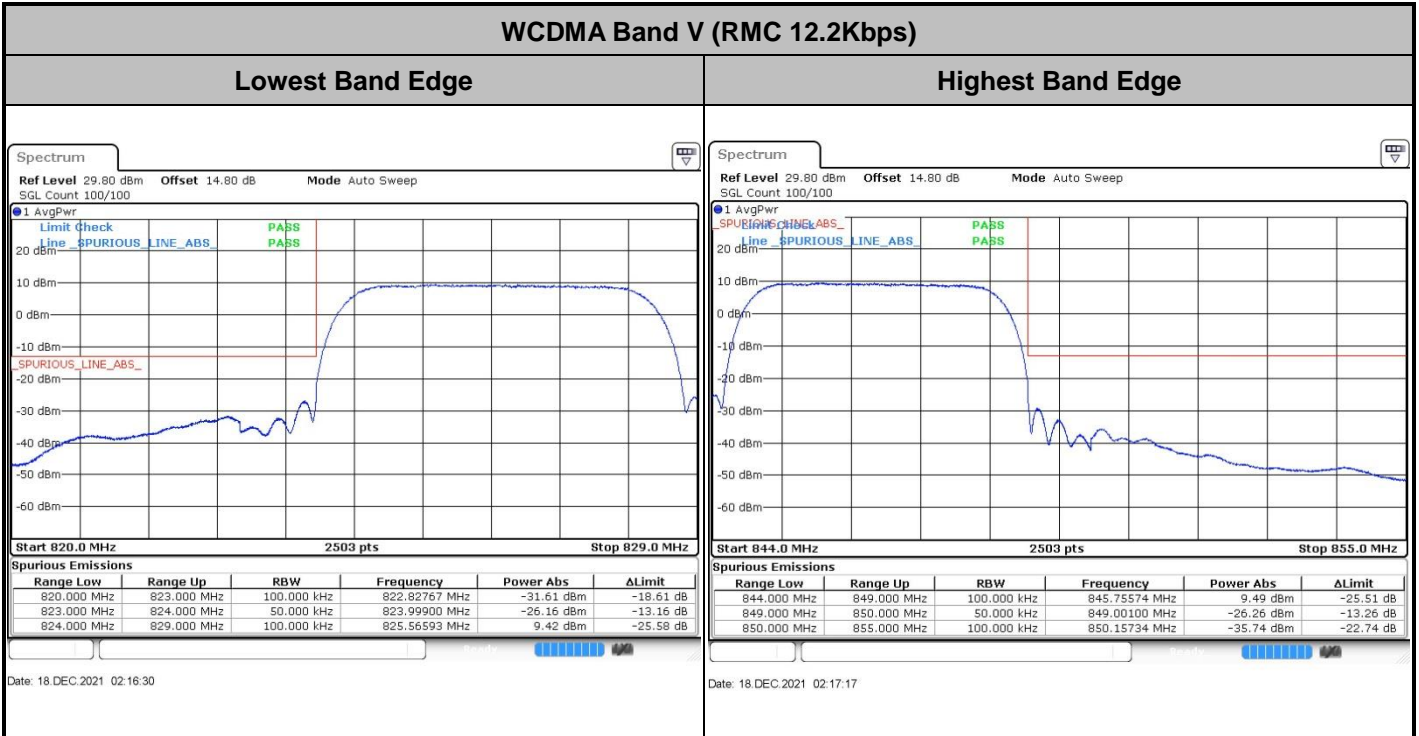
Highest Channel



Date: 18 DEC 2021 01:17:29



Conducted Band Edge





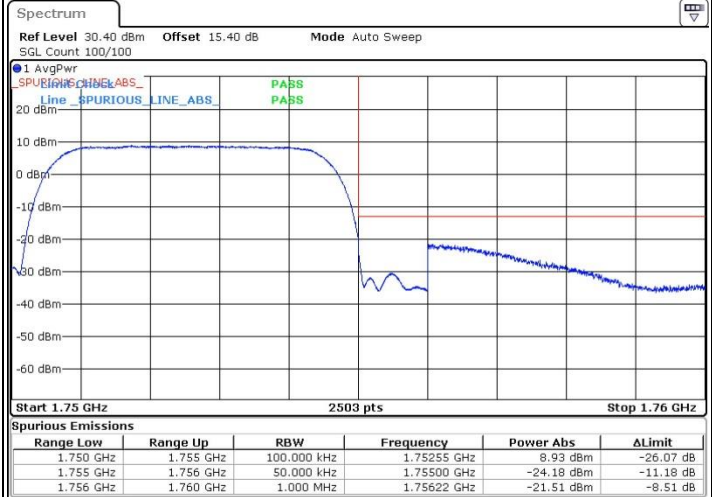
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



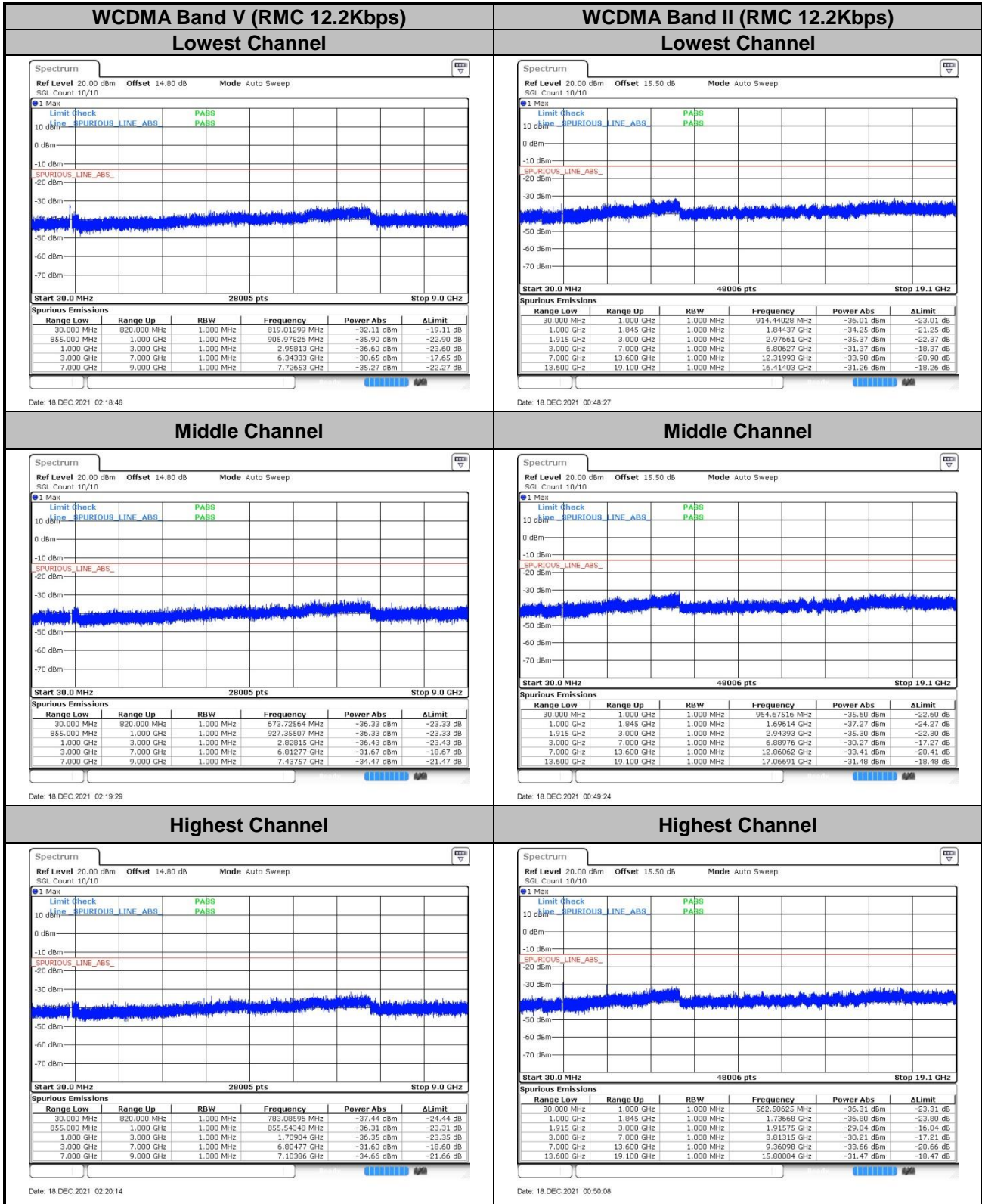
Date: 18 DEC. 2021 01:18:37



Date: 18 DEC. 2021 01:21:44



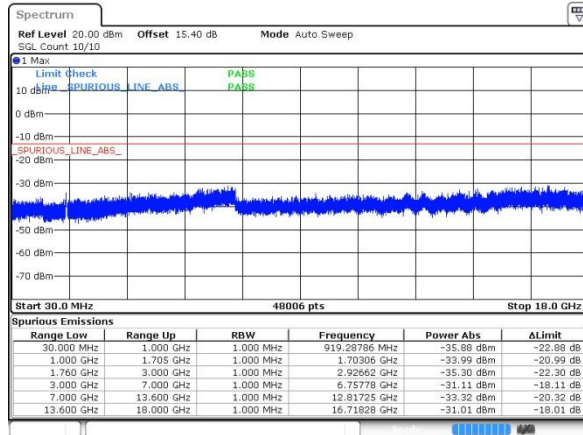
Conducted Spurious Emission





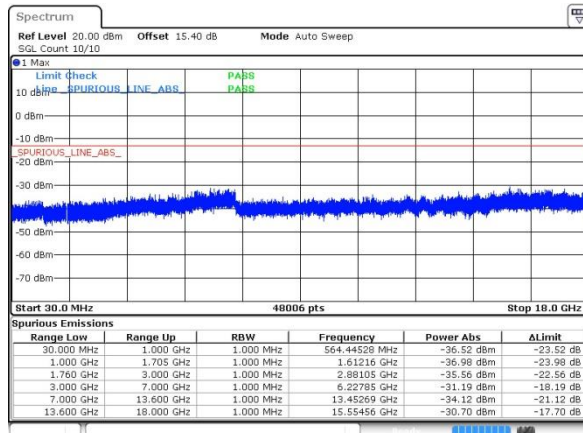
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



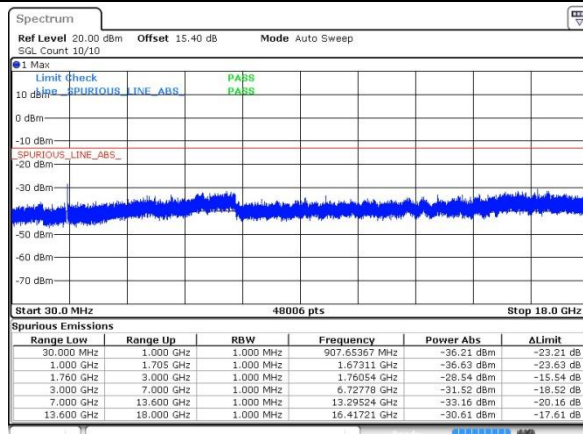
Date: 18 DEC 2021 01:26:45

Middle Channel



Date: 18 DEC 2021 01:27:19

Highest Channel



Date: 18 DEC 2021 01:27:49



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	0.0066	PASS
40	Normal Voltage	0.0365	
30	Normal Voltage	0.0342	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0375	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0165	
-30	Normal Voltage	0.0298	
20	Maximum Voltage	0.0455	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0071	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0211	PASS
40	Normal Voltage	0.0135	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0125	
0	Normal Voltage	0.0173	
-10	Normal Voltage	0.0261	
-20	Normal Voltage	0.0078	
-30	Normal Voltage	0.0149	
20	Maximum Voltage	0.0142	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0051	PASS
40	Normal Voltage	0.0153	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0126	
-20	Normal Voltage	0.0139	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0152	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.2V
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%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

GSM850 (GSM) for Ant 1								
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	-60.64	-13	-47.64	-67.61	1.58	10.70	H
	2508	-30.85	-13	-17.85	-39.10	2.102	12.50	H
	3348	-59.61	-13	-46.61	-68.50	2.856	13.90	H
	1672	-58.49	-13	-45.49	-65.46	1.58	10.70	V
	2508	-29.86	-13	-16.86	-38.11	2.10	12.50	V
	3348	-59.71	-13	-46.71	-68.60	2.86	13.90	V

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

GSM850 (EDGE class 8) for Ant 1								
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	-59.94	-13	-46.94	-66.91	1.58	10.70	H
	2508	-35.10	-13	-22.10	-43.35	2.102	12.50	H
	3348	-59.59	-13	-46.59	-68.48	2.856	13.90	H
	1672	-57.42	-13	-44.42	-64.39	1.58	10.70	V
	2510	-32.64	-13	-19.64	-40.89	2.10	12.50	V
	3348	-59.12	-13	-46.12	-68.01	2.86	13.90	V

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



GSM1900 (GSM) for Ant 2								
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	-53.70	-13	-40.70	-65.96	2.64	14.90	H
	5640	-42.77	-13	-29.77	-54.63	2.94	14.80	H
	7524	-55.18	-13	-42.18	-64.95	3.39	13.16	H
	3759	-56.68	-13	-43.68	-68.94	2.64	14.90	V
	5640	-43.34	-13	-30.34	-55.20	2.94	14.80	V
	7524	-55.52	-13	-42.52	-65.29	3.39	13.16	V

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

GSM1900 (EDGE class 8) for Ant 2								
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	-57.15	-13	-44.15	-69.41	2.641	14.90	H
	5640	-54.36	-13	-41.36	-66.22	2.94	14.80	H
	7524	-55.66	-13	-42.66	-65.43	3.39	13.16	H
	3759	-57.46	-13	-44.46	-69.72	2.64	14.90	V
	5640	-57.39	-13	-44.39	-69.25	2.94	14.80	V
	7524	-55.35	-13	-42.35	-65.12	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) for Ant 1								
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	-58.59	-13	-45.59	-65.56	1.58	10.70	H
	2510	-47.31	-13	-34.31	-55.56	2.102	12.50	H
	3348	-59.65	-13	-46.65	-68.54	2.856	13.90	H
	1672	-52.22	-13	-39.22	-59.19	1.58	10.70	V
	2510	-43.32	-13	-30.32	-51.57	2.10	12.50	V
	3348	-59.55	-13	-46.55	-68.44	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) for Ant 2								
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	-52.18	-13	-39.18	-64.44	2.64	14.90	H
	5640	-57.72	-13	-44.72	-69.58	2.94	14.80	H
	7524	-55.16	-13	-42.16	-64.93	3.39	13.16	H
	3759	-50.76	-13	-37.76	-63.02	2.64	14.90	V
	5640	-58.64	-13	-45.64	-70.50	2.94	14.80	V
	7524	-55.08	-13	-42.08	-64.85	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) for Ant 2								
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	-57.09	-13	-44.09	-67.83	2.604	13.34	H
	5196	-55.55	-13	-42.55	-66.06	3.011	13.52	H
	6936	-56.77	-13	-43.77	-66.97	3.271	13.47	H
	3465	-57.78	-13	-44.78	-68.52	2.604	13.34	V
	5196	-57.98	-13	-44.98	-68.49	3.011	13.52	V
	6936	-56.59	-13	-43.59	-66.79	3.271	13.47	V

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