



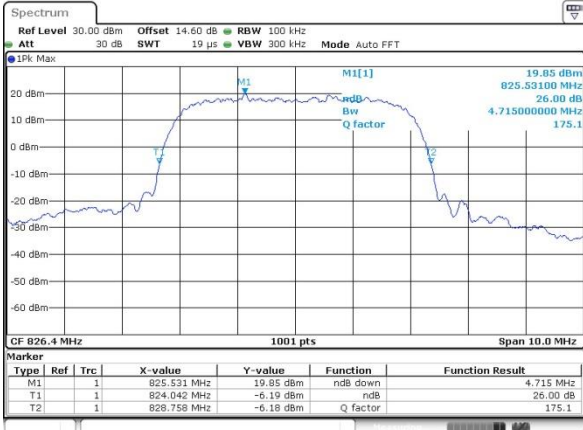
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.715	4.735	4.735
Middle CH	4.715	4.725	4.735
Highest CH	4.715	4.745	4.725



WCDMA Band V (RMC 12.2Kbps)

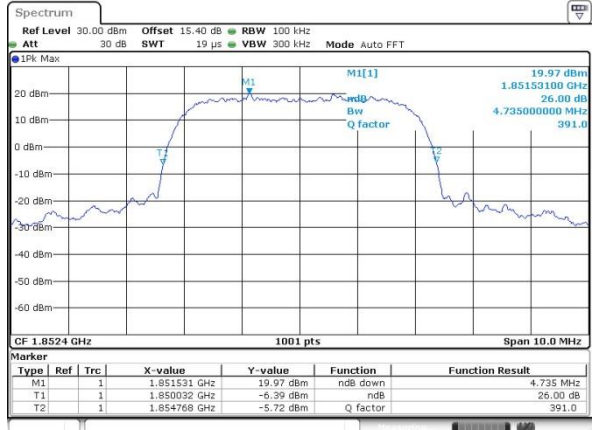
Lowest Channel



Date: 12 NOV 2022 11:40:00

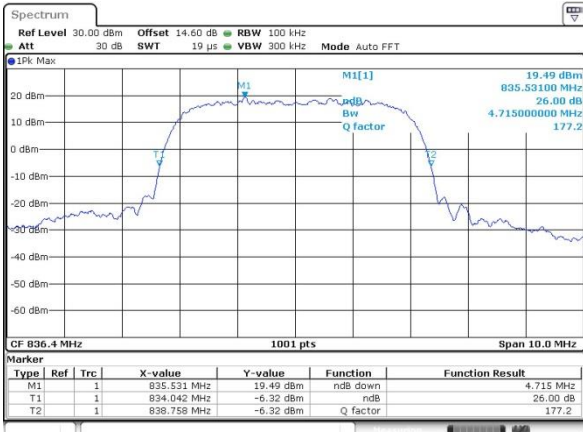
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



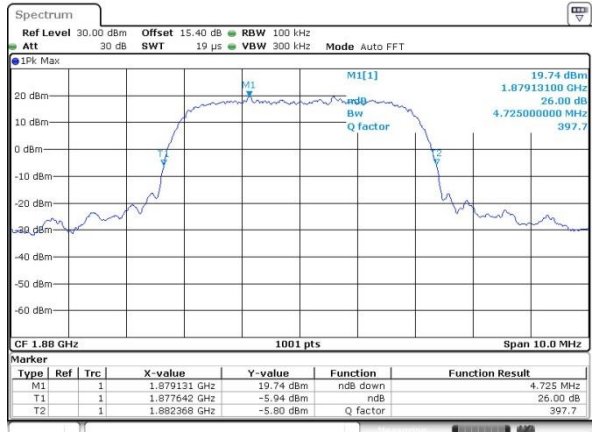
Date: 12 NOV 2022 11:17:24

Middle Channel



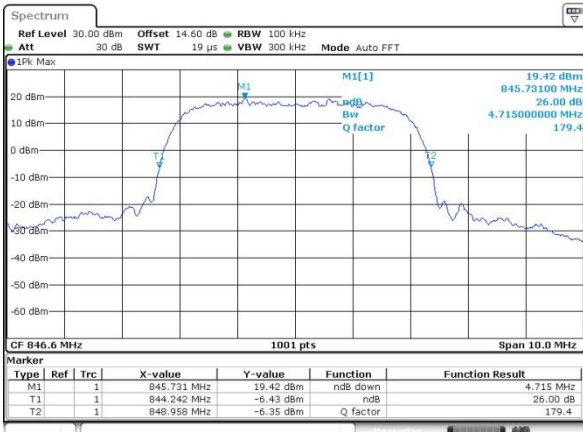
Date: 12 NOV 2022 11:40:25

Middle Channel



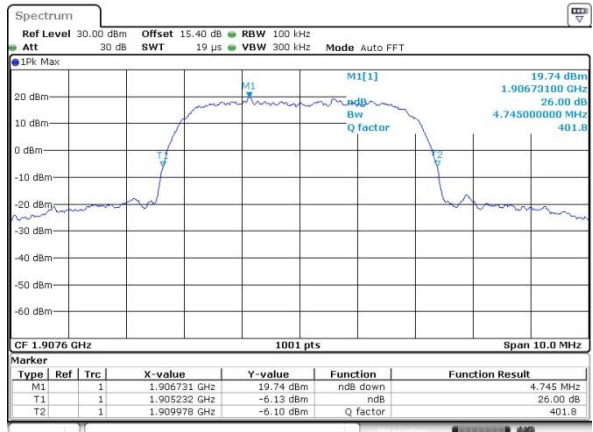
Date: 12 NOV 2022 11:17:48

Highest Channel

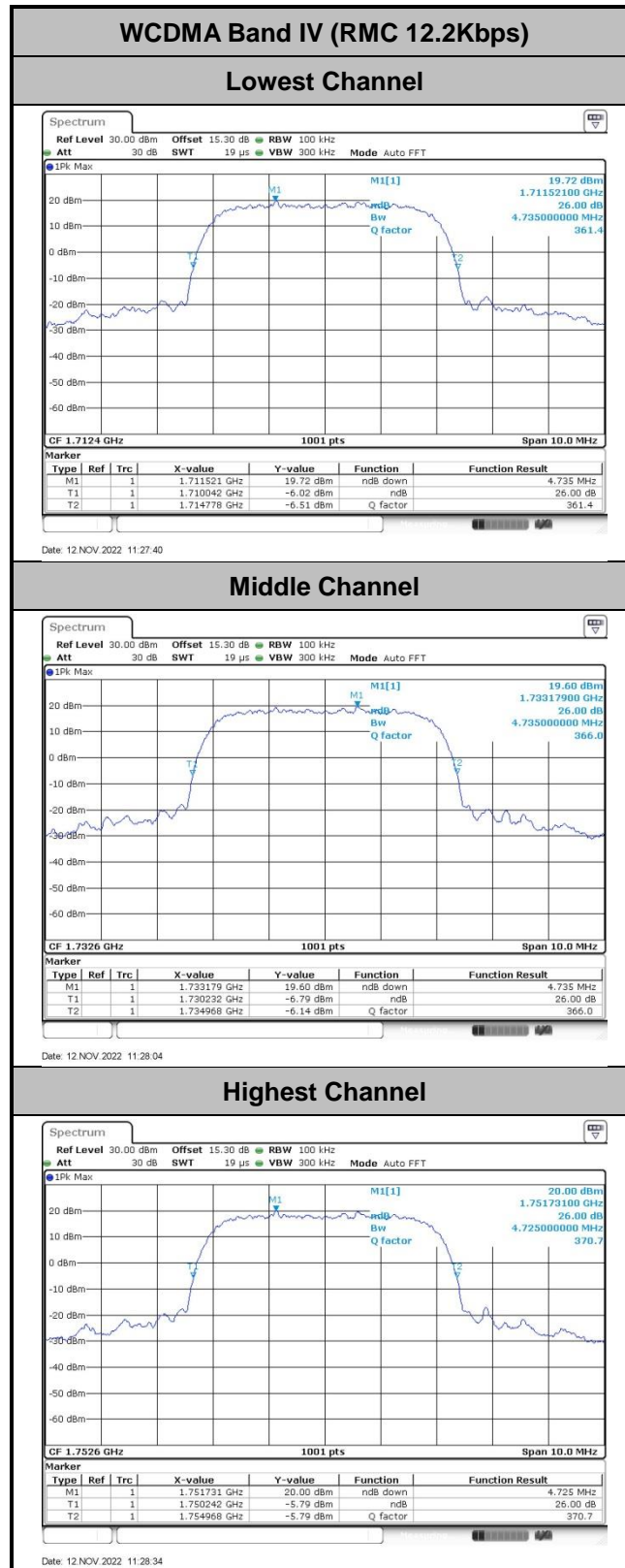


Date: 12 NOV 2022 11:40:45

Highest Channel



Date: 12 NOV 2022 11:18:13





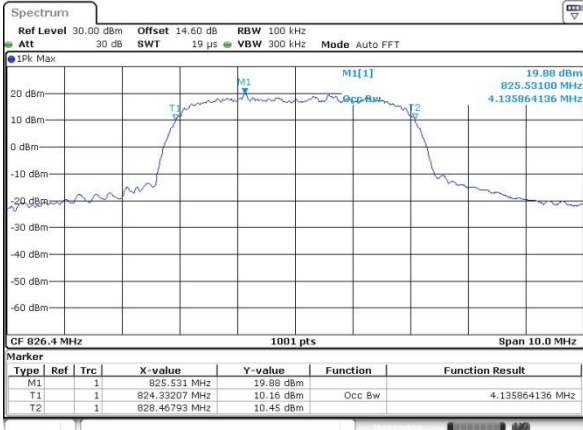
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

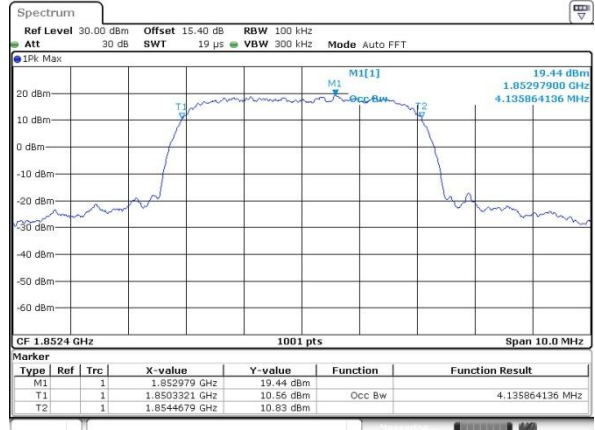
Lowest Channel



Date: 12 NOV 2022 11:44:11

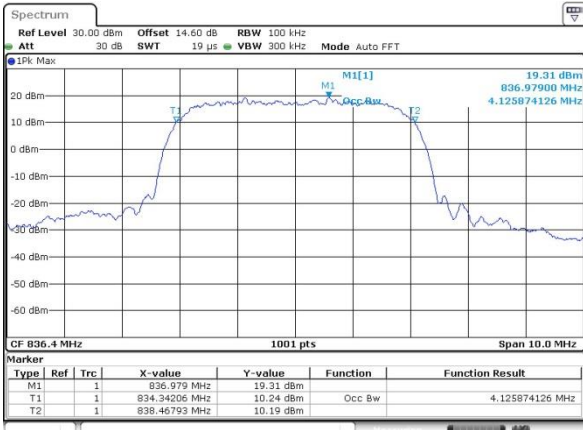
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



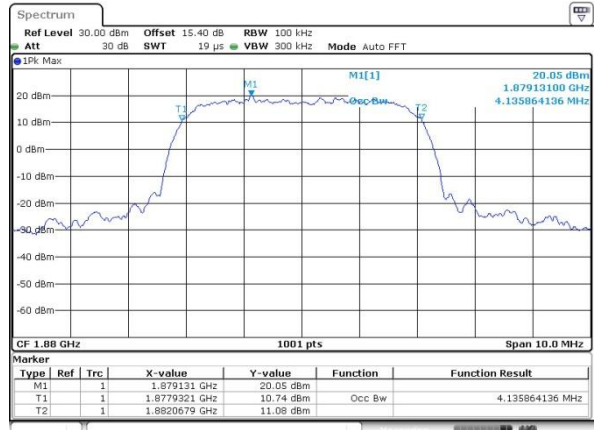
Date: 12 NOV 2022 11:20:37

Middle Channel



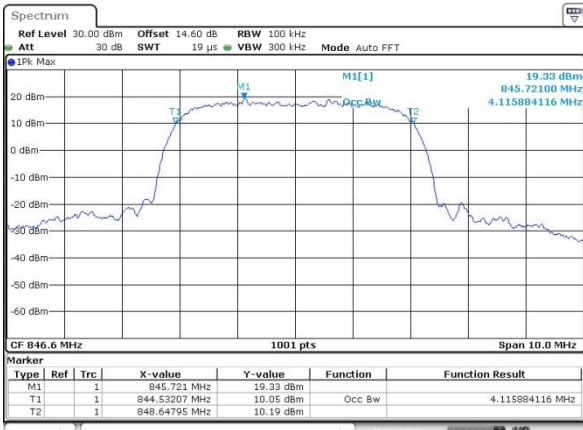
Date: 12 NOV 2022 11:44:34

Middle Channel



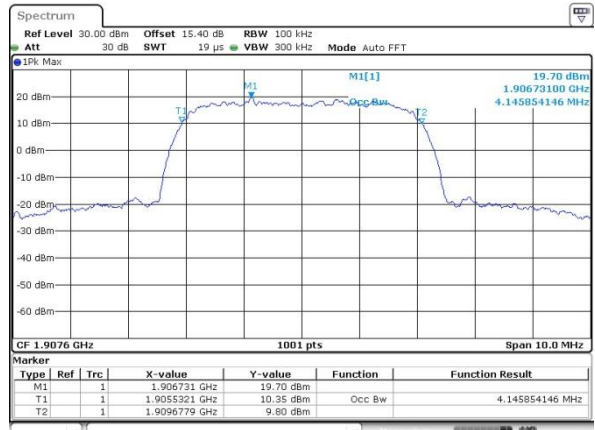
Date: 12 NOV 2022 11:21:01

Highest Channel

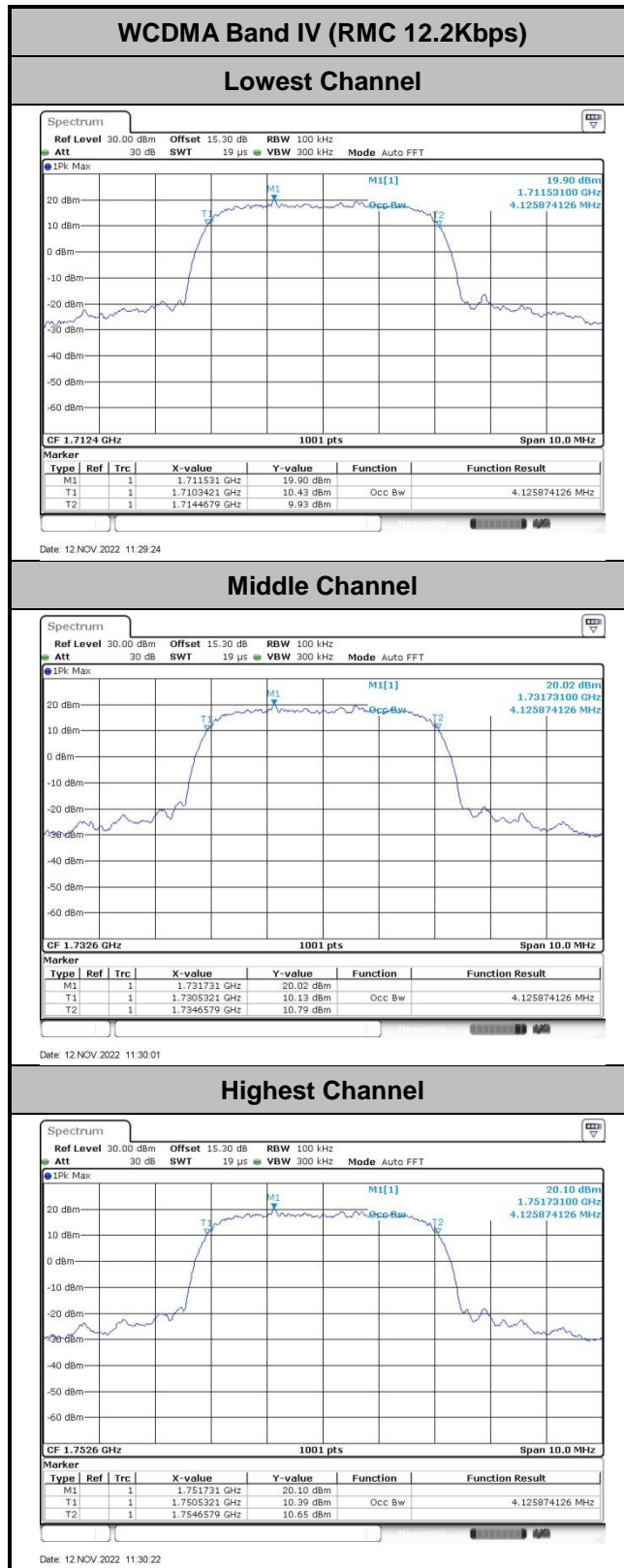


Date: 12 NOV 2022 11:45:12

Highest Channel



Date: 12 NOV 2022 11:21:25

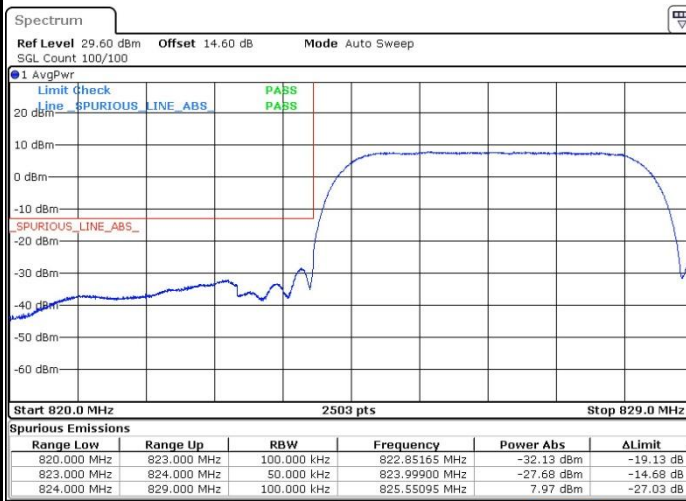




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 12 NOV 2022 11:46:25

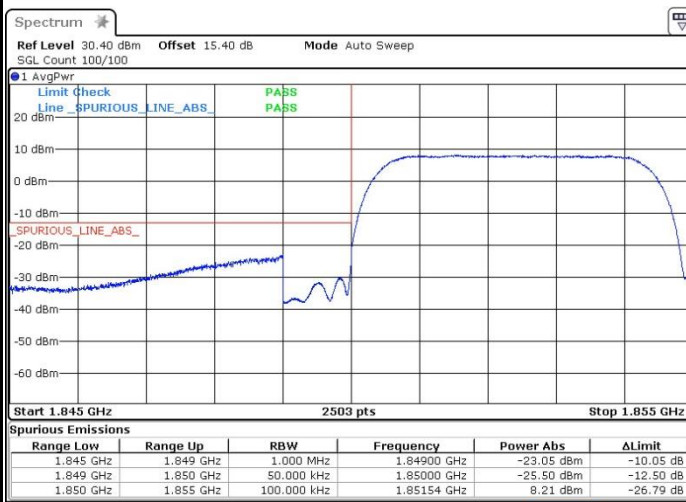
Highest Band Edge



Date: 12 NOV 2022 11:47:08

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

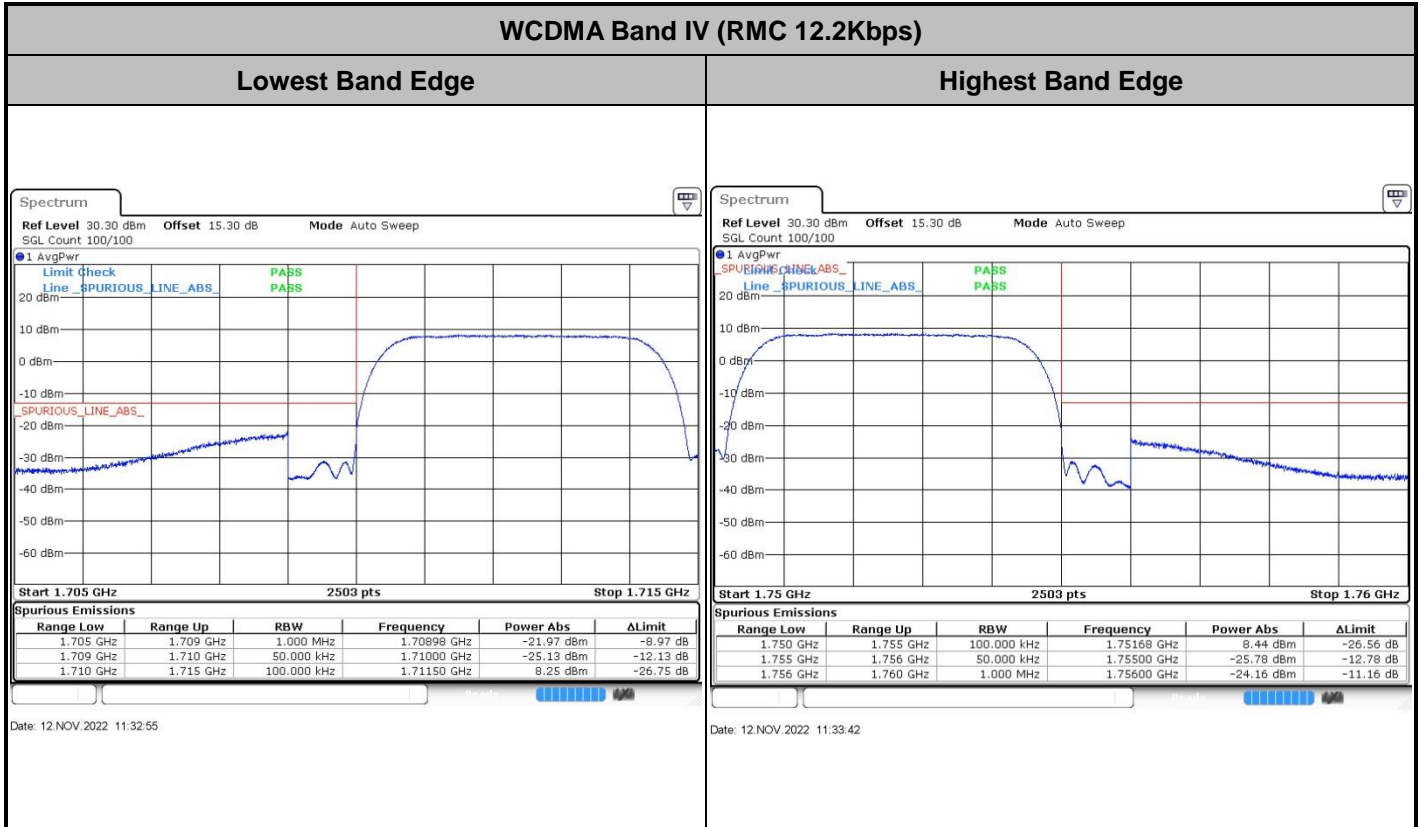


Date: 12 NOV 2022 11:22:21

Highest Band Edge

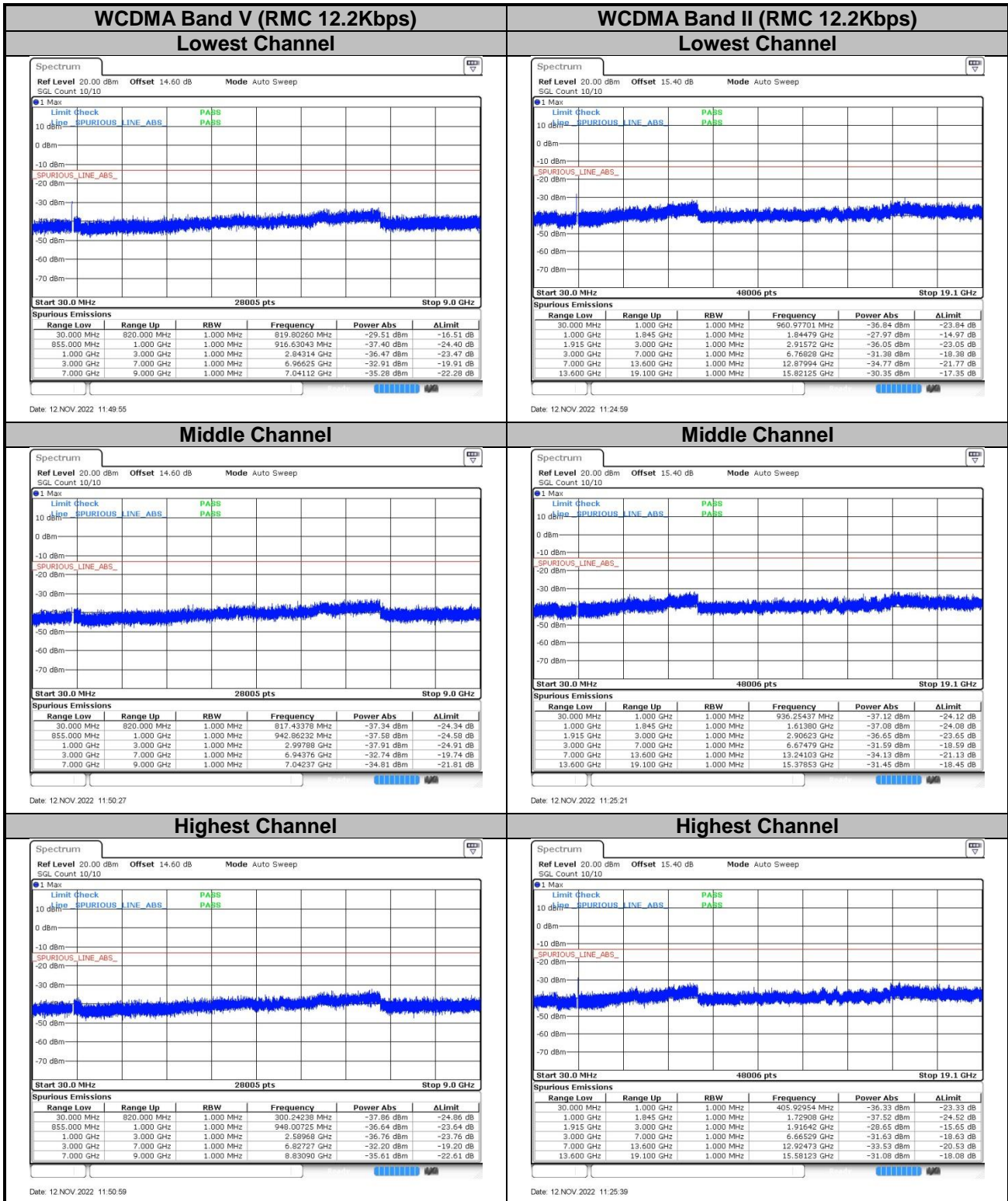


Date: 12 NOV 2022 11:23:03





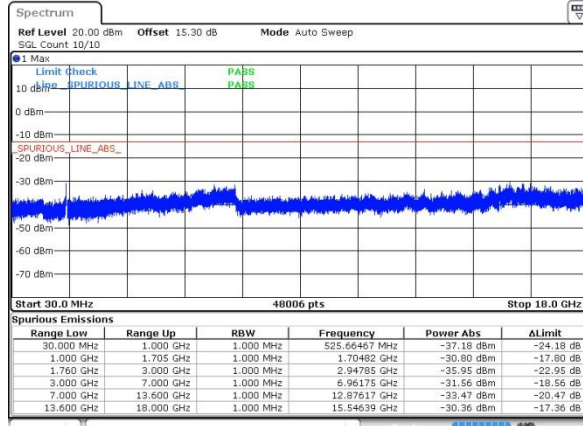
Conducted Spurious Emission





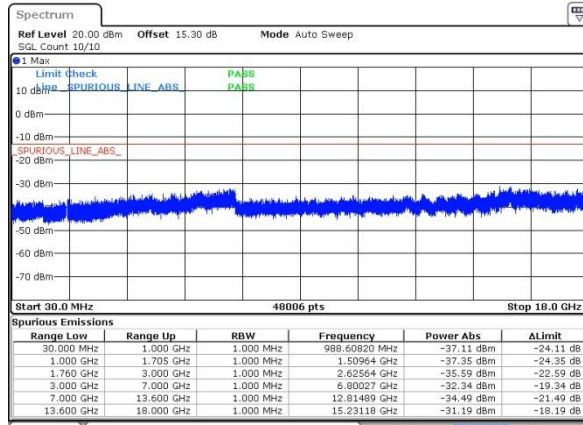
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



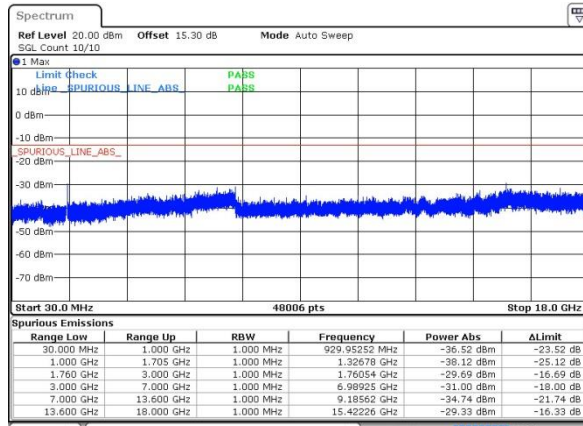
Date: 12 NOV 2022 11:36:54

Middle Channel



Date: 12 NOV 2022 11:37:17

Highest Channel



Date: 12 NOV 2022 11:37:44



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	0.0038	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0012	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0014	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.7V. ; Maximum Voltage =4.25V
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 :	Carl Ni	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for Ant.0 & Ant.1, we choose the worst antenna mode to perform final test.

GSM850_ANT 1 (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)
Middle	1672	-66.76	-13	-53.76	-73.73	1.58	10.70	H
	2510	-57.88	-13	-44.88	-66.13	2.102	12.50	H
	3348	-61.80	-13	-48.80	-70.69	2.856	13.90	H
	1672	-65.83	-13	-52.83	-72.80	1.58	10.70	V
	2510	-61.81	-13	-48.81	-70.06	2.10	12.50	V
	3348	-61.69	-13	-48.69	-70.58	2.86	13.90	V

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

GSM850_ANT 1 (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	-66.57	-13	-53.57	-73.54	1.58	10.70	H
	2512	-62.32	-13	-49.32	-70.57	2.102	12.50	H
	3344	-62.12	-13	-49.12	-71.01	2.856	13.90	H
	1672	-65.25	-13	-52.25	-72.22	1.58	10.70	V
	2512	-61.96	-13	-48.96	-70.21	2.10	12.50	V
	3344	-62.43	-13	-49.43	-71.32	2.86	13.90	V

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

GSM1900_ANT 0 (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)
Middle	3759	-59.43	-13	-46.43	-71.69	2.64	14.90	H
	5640	-54.73	-13	-41.73	-66.59	2.94	14.80	H
	7524	-53.76	-13	-40.76	-63.53	3.39	13.16	H
	3759	-58.86	-13	-45.86	-71.12	2.64	14.90	V
	5640	-57.78	-13	-44.78	-69.64	2.94	14.80	V
	7524	-54.13	-13	-41.13	-63.90	3.39	13.16	V

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



GSM1900_ANT 0 (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	3759	-59.39	-13	-46.39	-71.65	2.64	14.90	H
	5640	-57.23	-13	-44.23	-69.09	2.94	14.80	H
	7524	-54.33	-13	-41.33	-64.10	3.39	13.16	H
	3759	-58.79	-13	-45.79	-71.05	2.64	14.90	V
	5640	-58.25	-13	-45.25	-70.11	2.94	14.80	V
	7524	-53.89	-13	-40.89	-63.66	3.39	13.16	V

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

WCDMA Band V_ANT 1 (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	-66.65	-13	-53.65	-73.62	1.58	10.70	H
	2512	-62.49	-13	-49.49	-70.74	2.102	12.50	H
	3344	-61.82	-13	-48.82	-70.71	2.856	13.90	H
	1672	-65.63	-13	-52.63	-72.60	1.58	10.70	V
	2512	-61.92	-13	-48.92	-70.17	2.10	12.50	V
	3344	-61.95	-13	-48.95	-70.84	2.86	13.90	V

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

WCDMA Band II_ANT 0 (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	3759	-59.46	-13	-46.46	-71.72	2.64	14.90	H
	5640	-57.61	-13	-44.61	-69.47	2.94	14.80	H
	7524	-53.73	-13	-40.73	-63.50	3.39	13.16	H
	3759	-59.14	-13	-46.14	-71.40	2.64	14.90	V
	5640	-58.18	-13	-45.18	-70.04	2.94	14.80	V
	7524	-53.05	-13	-40.05	-62.82	3.39	13.16	V

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

WCDMA Band IV_ANT 0 (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	-58.54	-13	-45.54	-69.28	2.604	13.34	H
	5190	-56.52	-13	-43.52	-67.03	3.011	13.52	H
	6930	-55.48	-13	-42.48	-65.68	3.271	13.47	H
	3465	-58.84	-13	-45.84	-69.58	2.604	13.34	V
	5190	-56.64	-13	-43.64	-67.15	3.011	13.52	V
	6930	-55.87	-13	-42.87	-66.07	3.271	13.47	V

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