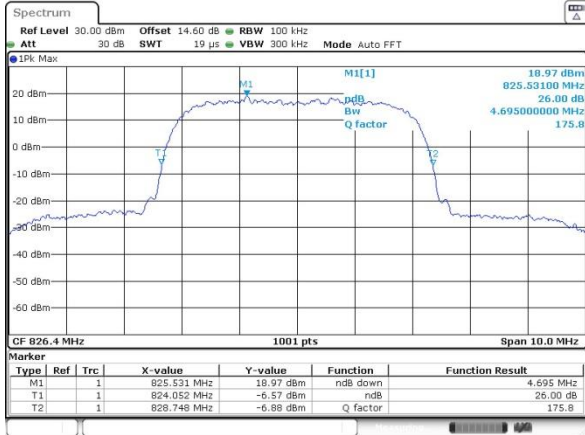




WCDMA Band V (RMC 12.2Kbps)

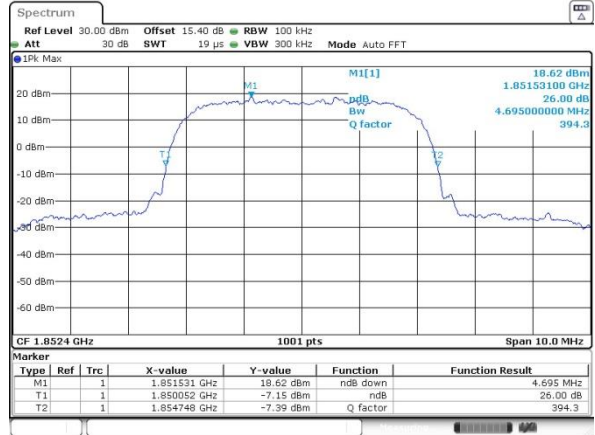
Lowest Channel



Date: 4 NOV 2022 15:01:10

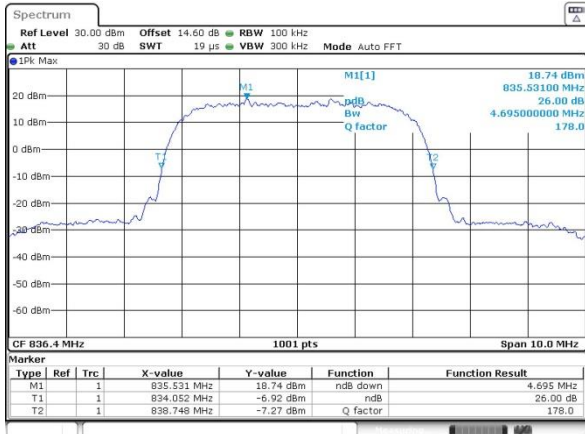
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



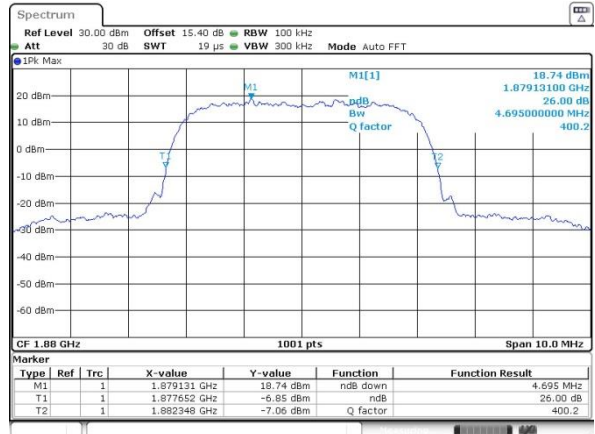
Date: 4 NOV 2022 14:33:07

Middle Channel



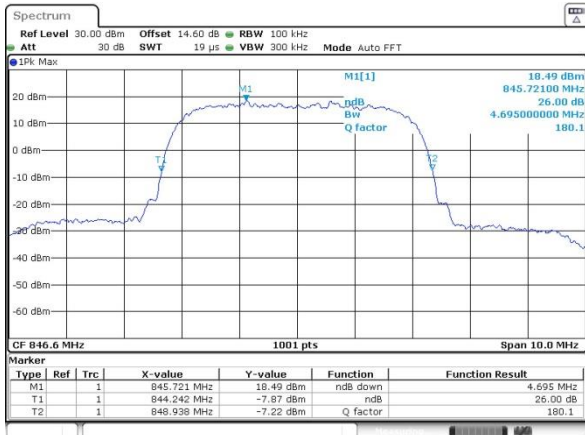
Date: 4 NOV 2022 15:01:52

Middle Channel



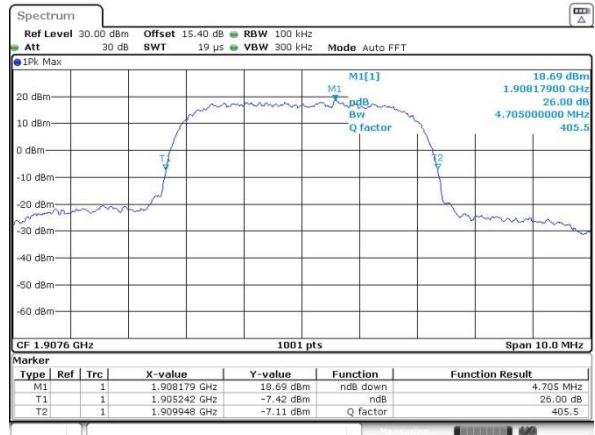
Date: 4 NOV 2022 14:33:30

Highest Channel

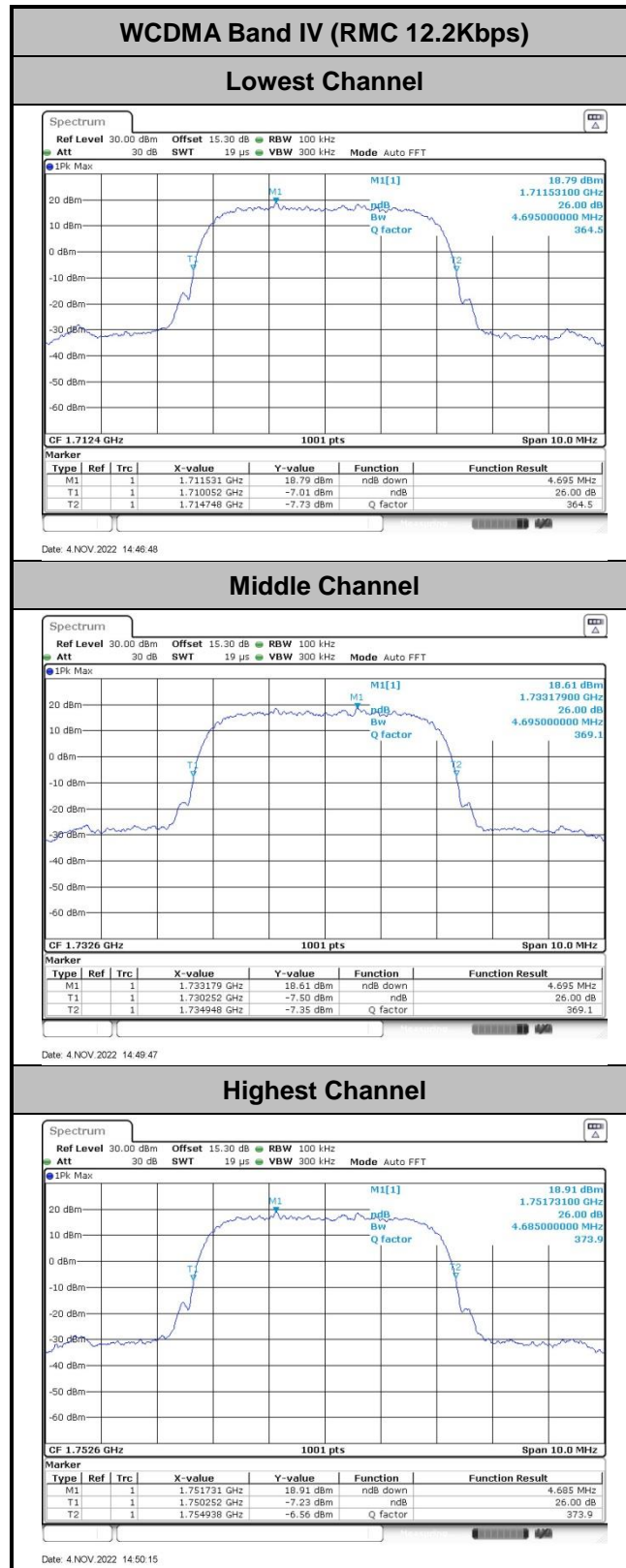


Date: 4 NOV 2022 15:02:20

Highest Channel



Date: 4 NOV 2022 14:34:20





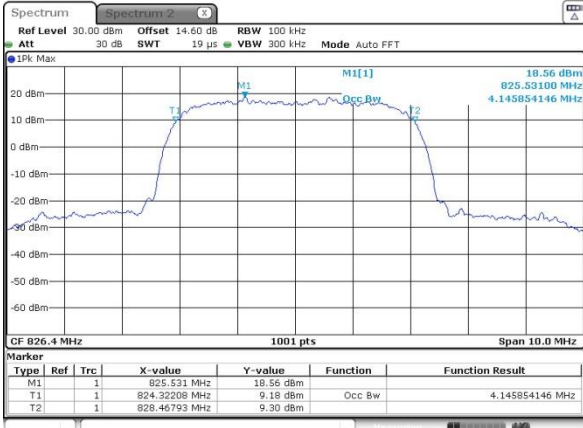
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.146	4.136	4.136
Middle CH	4.136	4.146	4.136
Highest CH	4.136	4.136	4.136



WCDMA Band V (RMC 12.2Kbps)

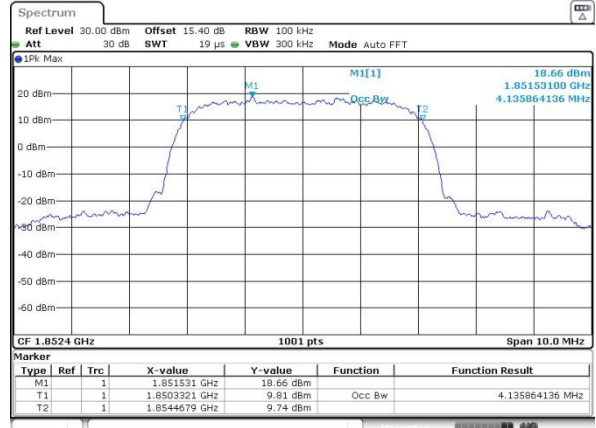
Lowest Channel



Date: 4 NOV 2022 15:23:14

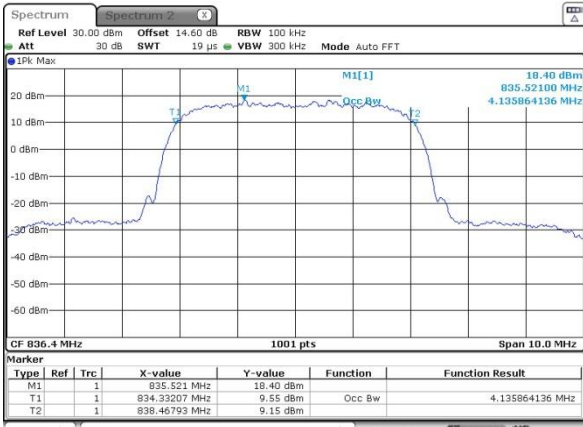
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



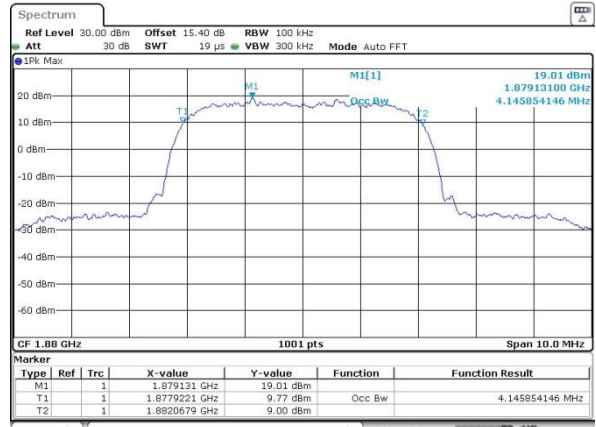
Date: 4 NOV 2022 14:37:26

Middle Channel



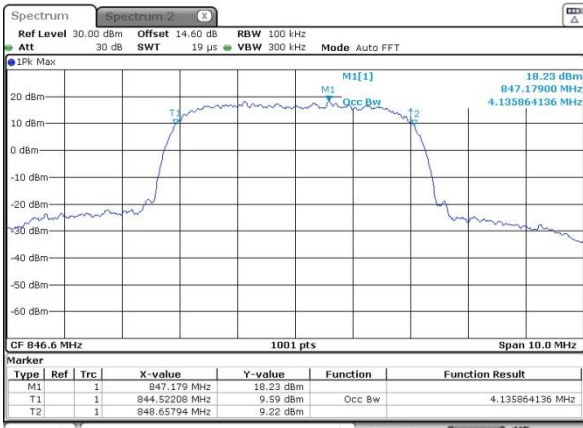
Date: 4 NOV 2022 15:23:37

Middle Channel



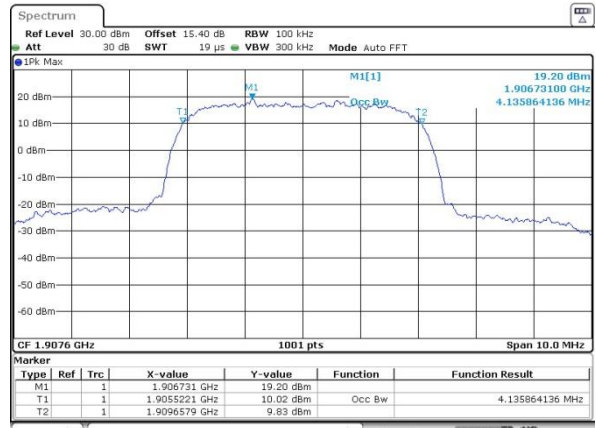
Date: 4 NOV 2022 14:37:50

Highest Channel

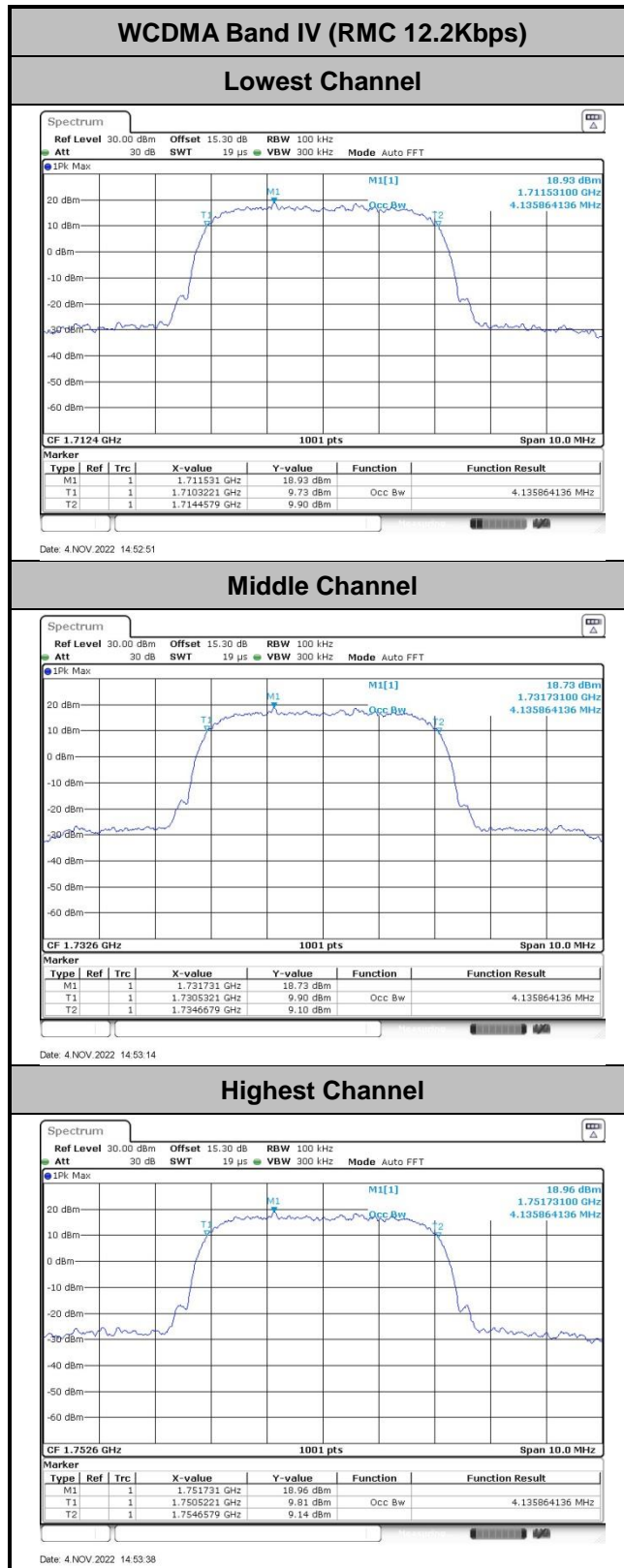


Date: 4 NOV 2022 15:24:00

Highest Channel

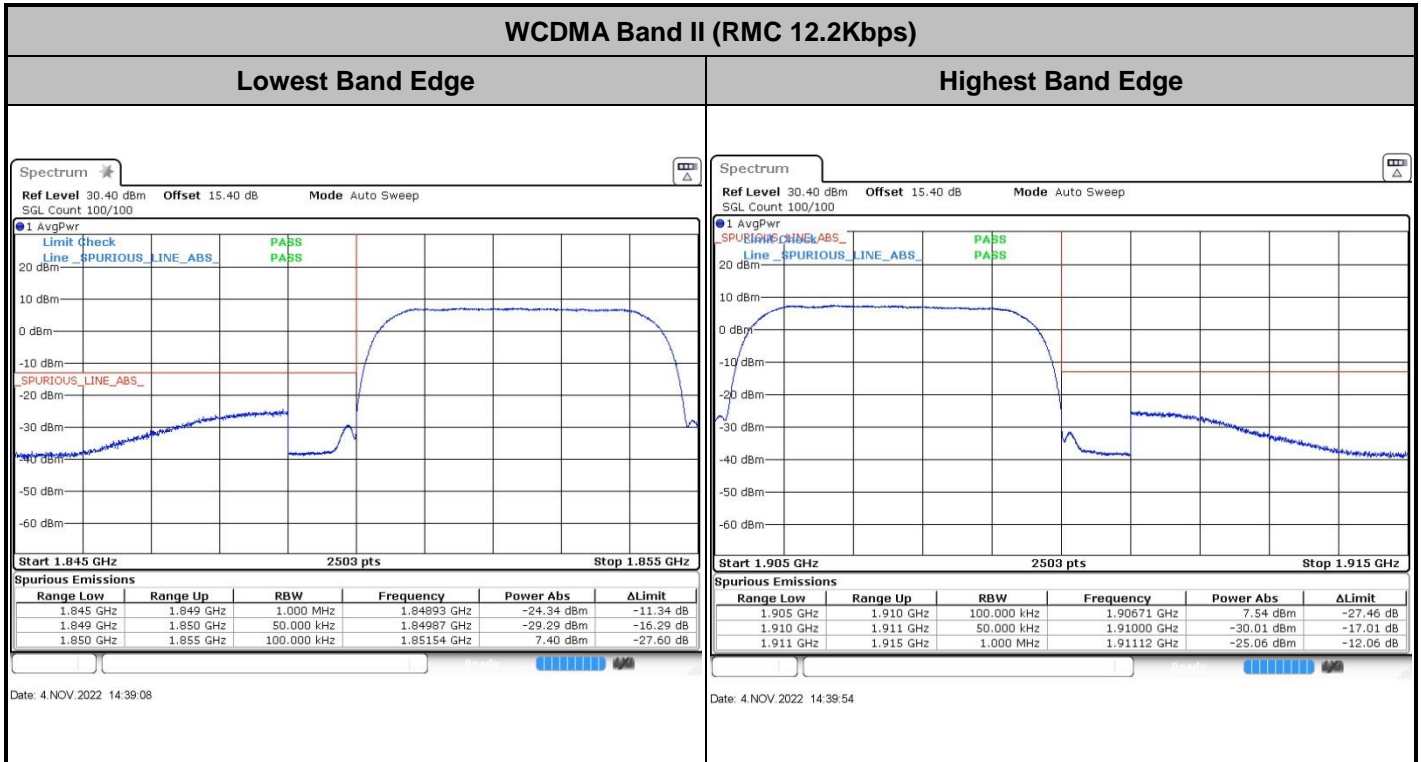
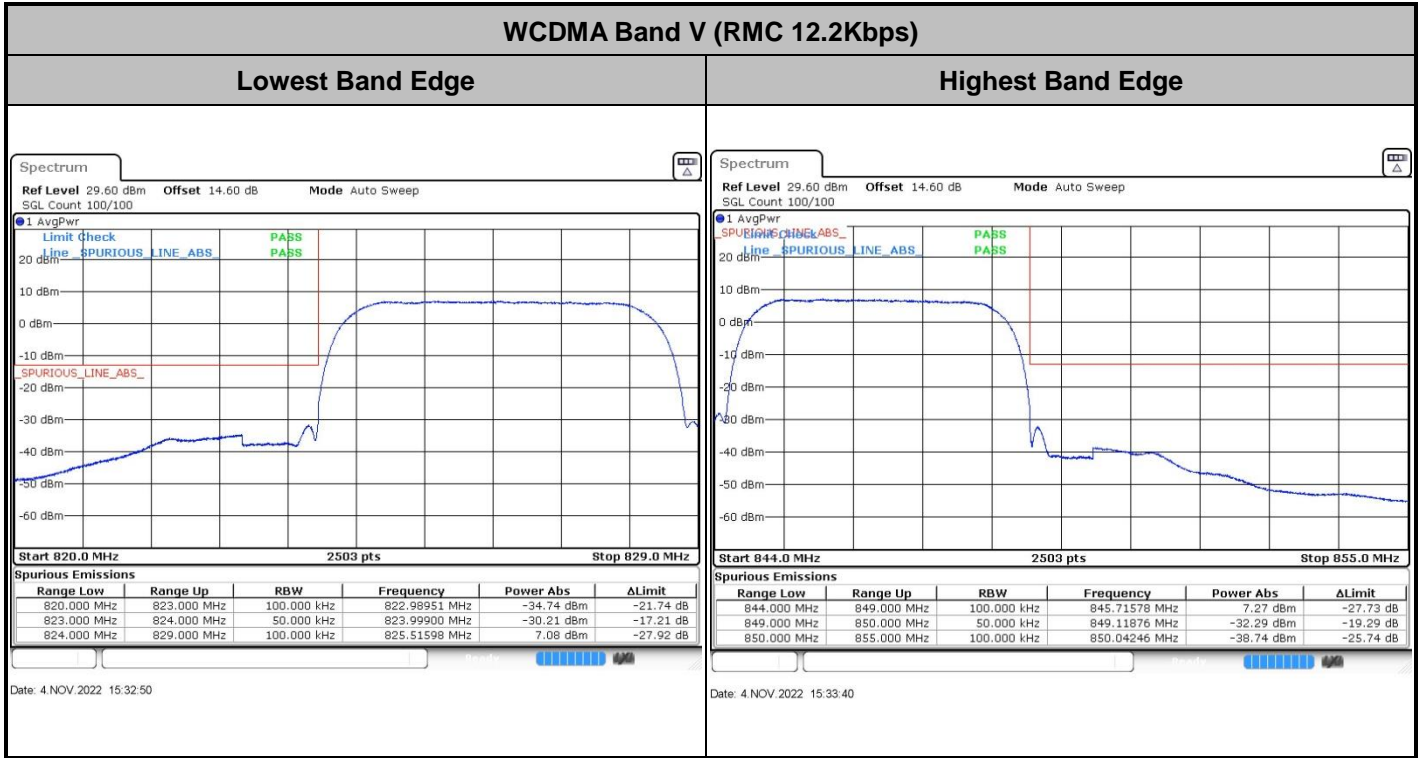


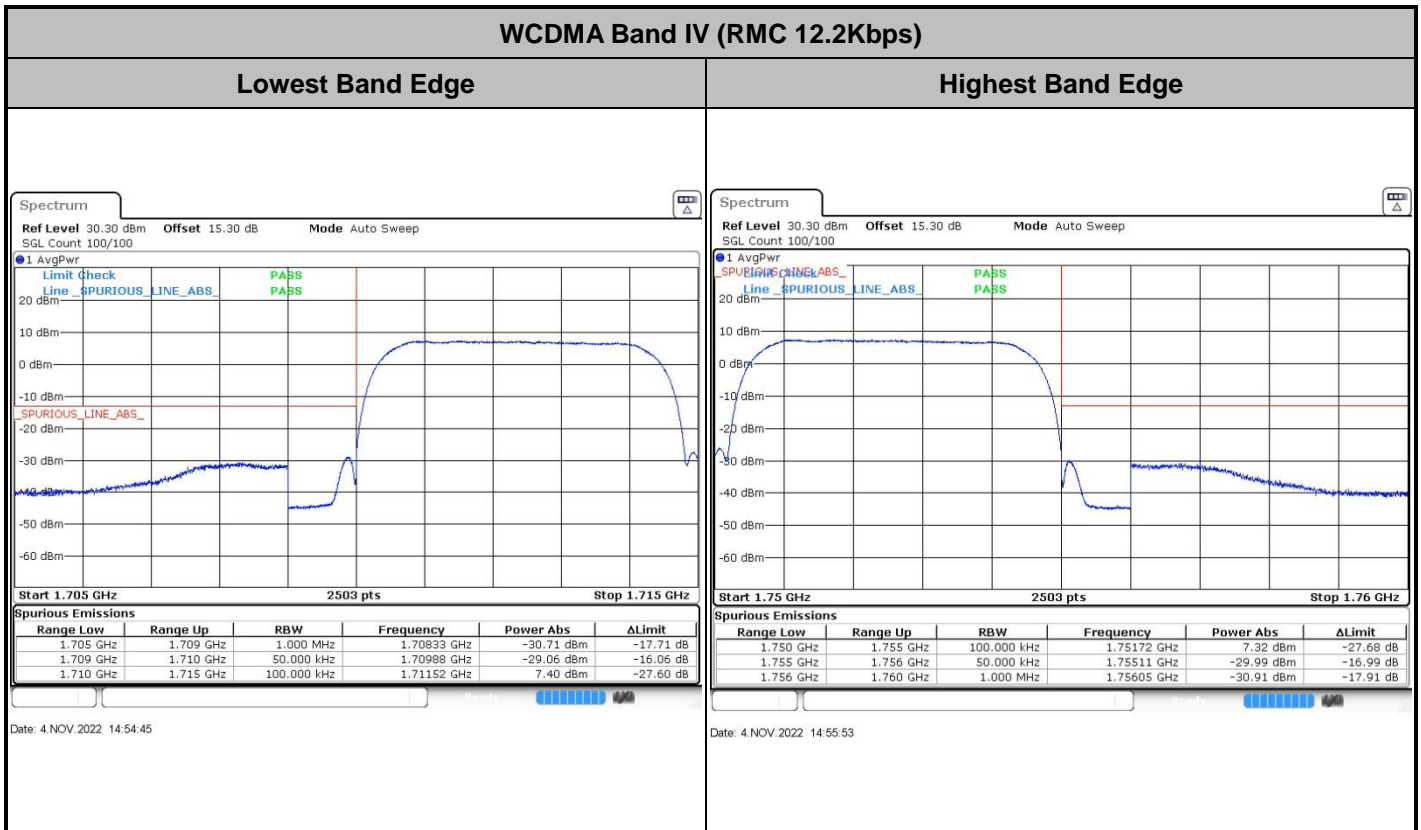
Date: 4 NOV 2022 14:38:13





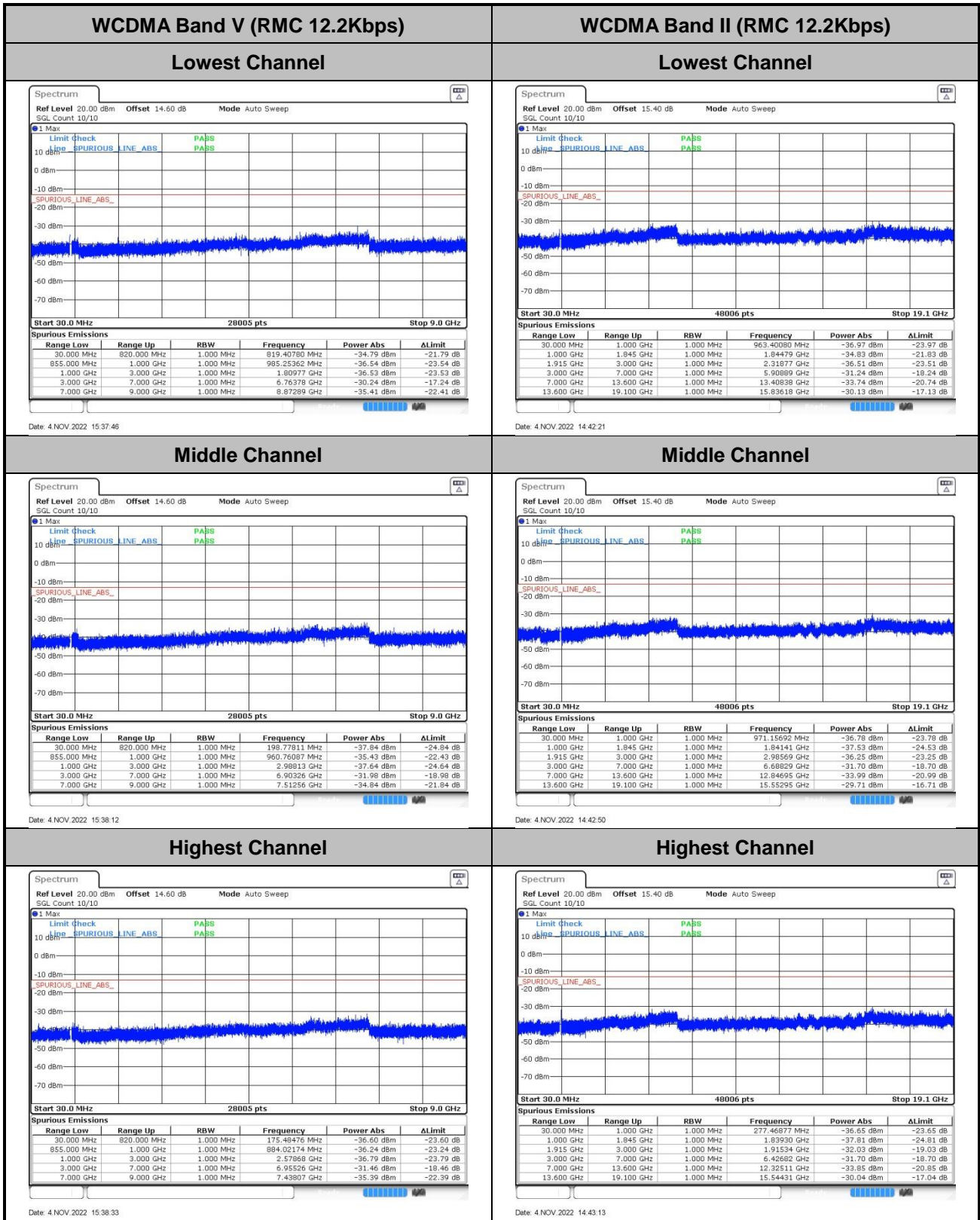
Conducted Band Edge







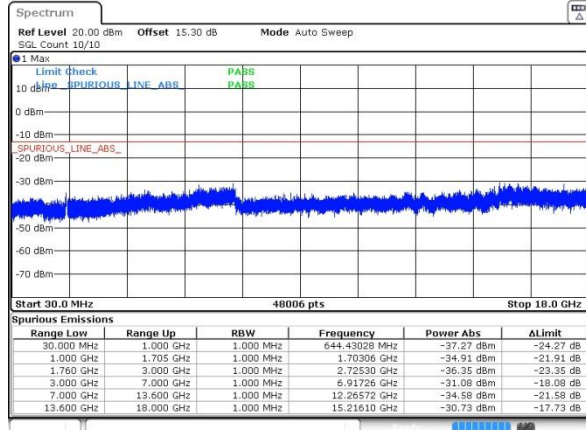
Conducted Spurious Emission





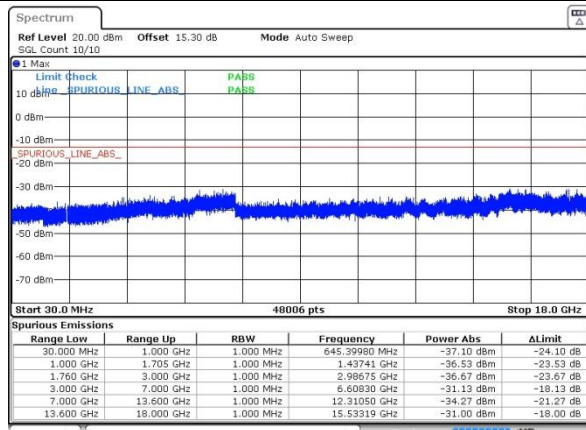
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



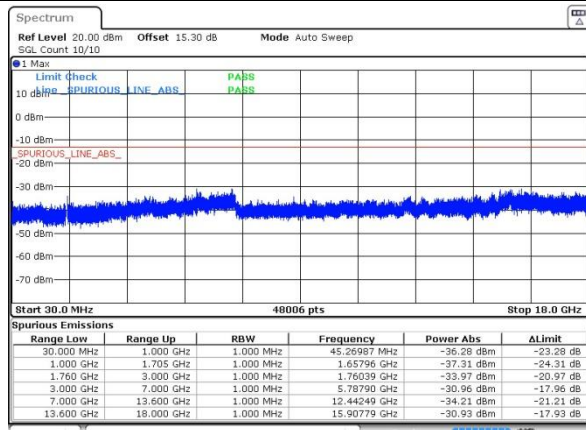
Date: 4 NOV 2022 14:57:54

Middle Channel



Date: 4 NOV 2022 14:58:18

Highest Channel



Date: 4 NOV 2022 14:58:41



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	0.0057	PASS
40	Normal Voltage	0.0342	
30	Normal Voltage	0.0433	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0361	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0147	
-30	Normal Voltage	0.0317	
20	Maximum Voltage	0.0342	
20	Normal Voltage	0.0155	
20	Battery End Point	0.0066	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0122	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0149	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0153	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0219	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0163	
20	Maximum Voltage	0.0142	
20	Normal Voltage	0.0135	
20	Battery End Point	0.0022	



Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0142	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0075	
-10	Normal Voltage	0.0135	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0068	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0135	

Note:

1. Normal Voltage = 3.89V ; 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

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)
Middle	1672	-51.36	-13	-38.36	-58.33	1.58	10.70	H
	2510	-59.46	-13	-46.46	-67.71	2.102	12.50	H
	3348	-59.74	-13	-46.74	-68.63	2.856	13.90	H
	1672	-44.61	-13	-31.61	-51.58	1.58	10.70	V
	2510	-57.12	-13	-44.12	-65.37	2.10	12.50	V
	3348	-59.9	-13	-46.90	-68.79	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	-46.33	-13	-33.33	-53.30	1.58	10.70	H
	2512	-60.35	-13	-47.35	-68.60	2.102	12.50	H
	3344	-60.13	-13	-47.13	-69.02	2.856	13.90	H
	1672	-51.09	-13	-38.09	-58.06	1.58	10.70	V
	2512	-58.54	-13	-45.54	-66.79	2.10	12.50	V
	3344	-59.86	-13	-46.86	-68.75	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)
Middle	3759	-56.62	-13	-43.62	-68.88	2.64	14.90	H
	5640	-53.93	-13	-40.93	-65.79	2.94	14.80	H
	7524	-51.89	-13	-38.89	-61.66	3.39	13.16	H
	3759	-56.34	-13	-43.34	-68.60	2.64	14.90	V
	5640	-55.04	-13	-42.04	-66.90	2.94	14.80	V
	7524	-51.29	-13	-38.29	-61.06	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	3759	-56.38	-13	-43.38	-68.64	2.64	14.90	H
	5640	-54.51	-13	-41.51	-66.37	2.94	14.80	H
	7524	-52.48	-13	-39.48	-62.25	3.39	13.16	H
	3759	-56.31	-13	-43.31	-68.57	2.64	14.90	V
	5640	-54.92	-13	-41.92	-66.78	2.94	14.80	V
	7524	-52.57	-13	-39.57	-62.34	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	-63.78	-13	-50.78	-70.75	1.58	10.70	H
	2512	-60.63	-13	-47.63	-68.88	2.102	12.50	H
	3344	-59.82	-13	-46.82	-68.71	2.856	13.90	H
	1672	-63.38	-13	-50.38	-70.35	1.58	10.70	V
	2512	-59.43	-13	-46.43	-67.68	2.10	12.50	V
	3344	-60.21	-13	-47.21	-69.10	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	3759	-56.2	-13	-43.20	-68.46	2.64	14.90	H
	5640	-54.2	-13	-41.20	-66.06	2.94	14.80	H
	7524	-51.81	-13	-38.81	-61.58	3.39	13.16	H
	3759	-56.21	-13	-43.21	-68.47	2.64	14.90	V
	5640	-54.93	-13	-41.93	-66.79	2.94	14.80	V
	7524	-52.14	-13	-39.14	-61.91	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	-58.06	-13	-45.06	-68.80	2.604	13.34	H
	5196	-54.25	-13	-41.25	-64.76	3.011	13.52	H
	6936	-53.9	-13	-40.90	-64.10	3.271	13.47	H
	3465	-58.31	-13	-45.31	-69.05	2.604	13.34	V
	5196	-54.59	-13	-41.59	-65.10	3.011	13.52	V
	6936	-54.06	-13	-41.06	-64.26	3.271	13.47	V

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