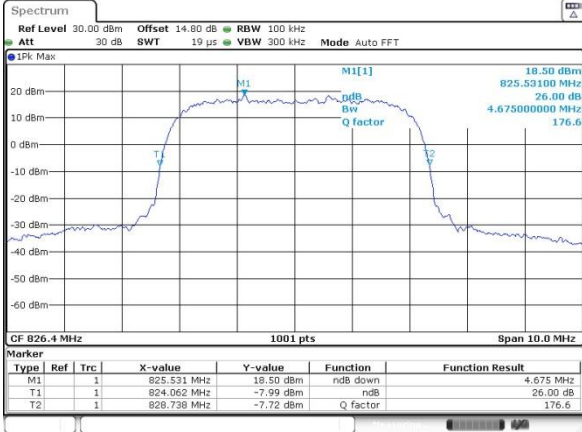




WCDMA Band V (RMC 12.2Kbps)

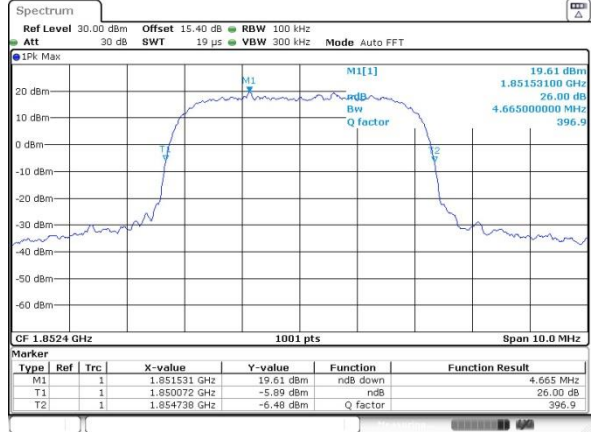
Lowest Channel



Date: 17 DEC 2020 21:59:12

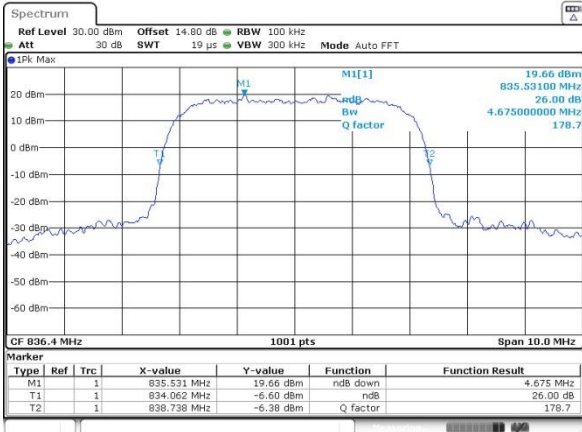
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



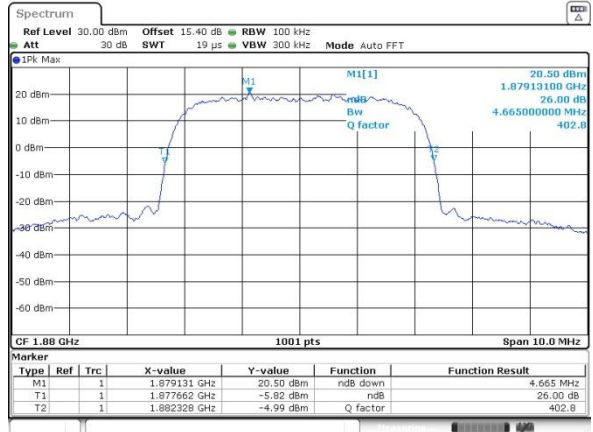
Date: 17 DEC 2020 22:09:21

Middle Channel



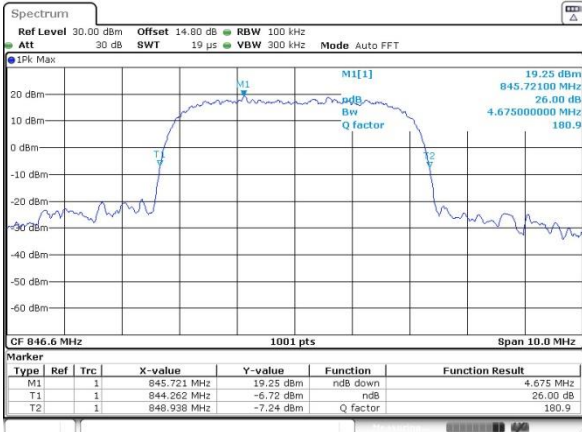
Date: 17 DEC 2020 21:59:13

Middle Channel



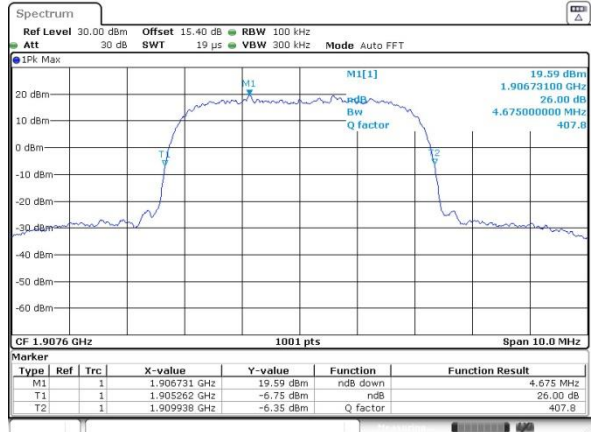
Date: 17 DEC 2020 22:09:41

Highest Channel

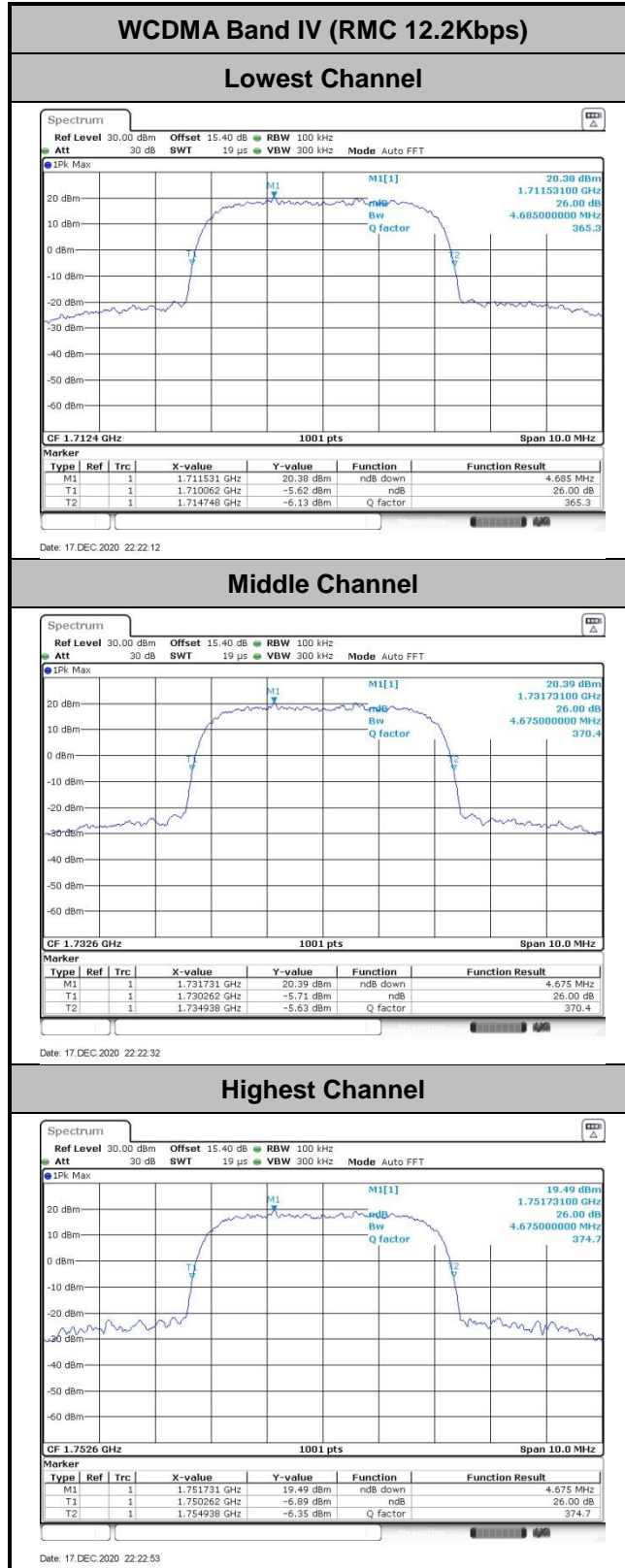


Date: 17 DEC 2020 21:59:51

Highest Channel



Date: 17 DEC 2020 22:10:01





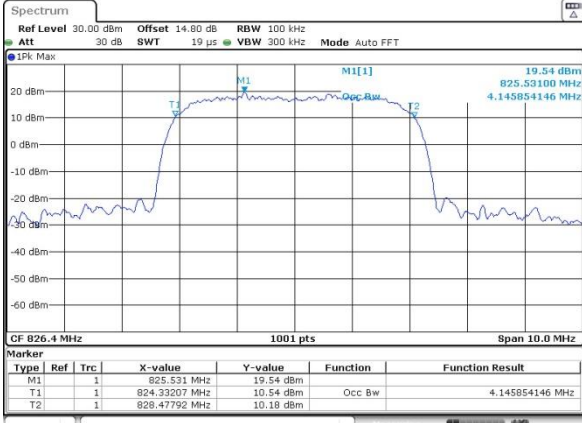
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

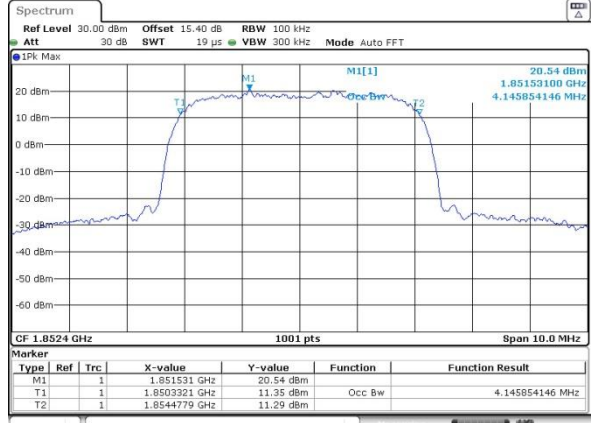
Lowest Channel



Date: 17 DEC 2020 22:01:33

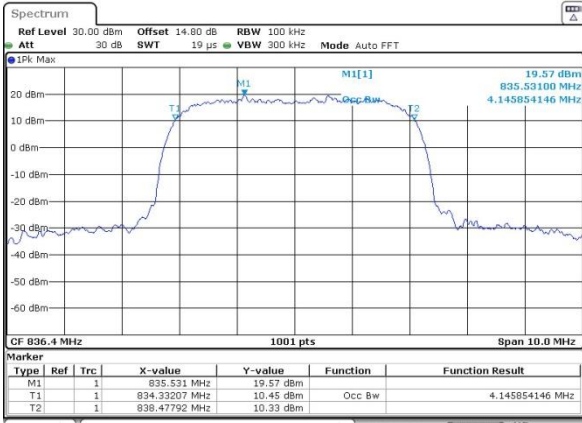
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



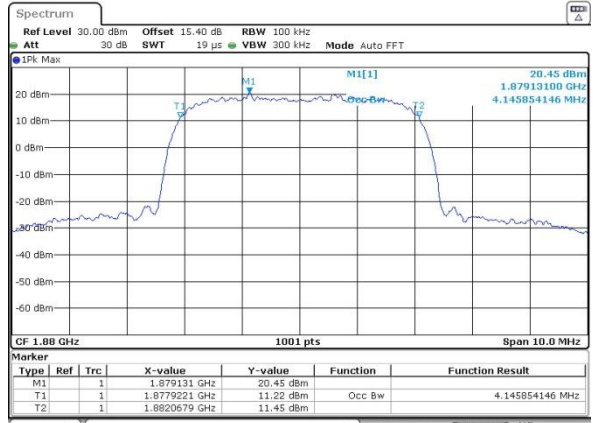
Date: 17 DEC 2020 22:11:35

Middle Channel



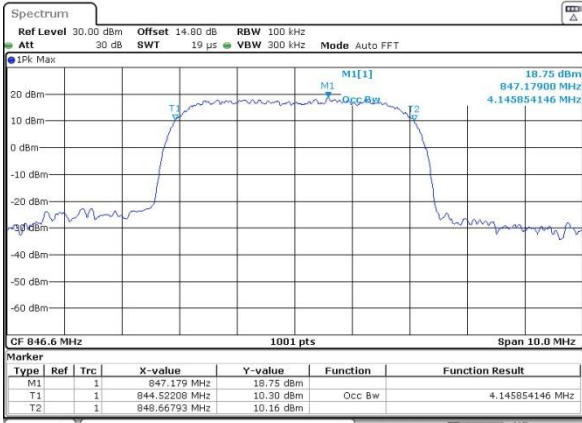
Date: 17 DEC 2020 22:02:04

Middle Channel



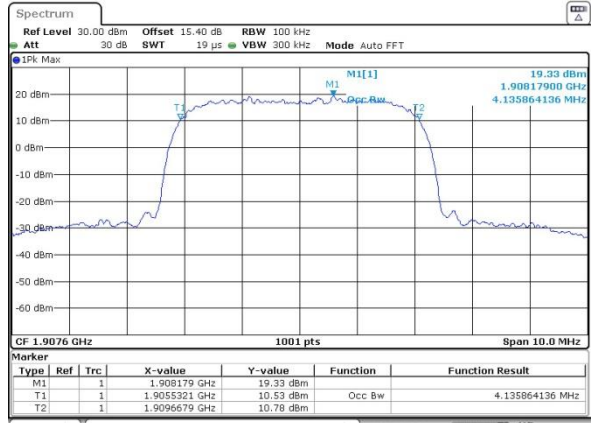
Date: 17 DEC 2020 22:11:55

Highest Channel

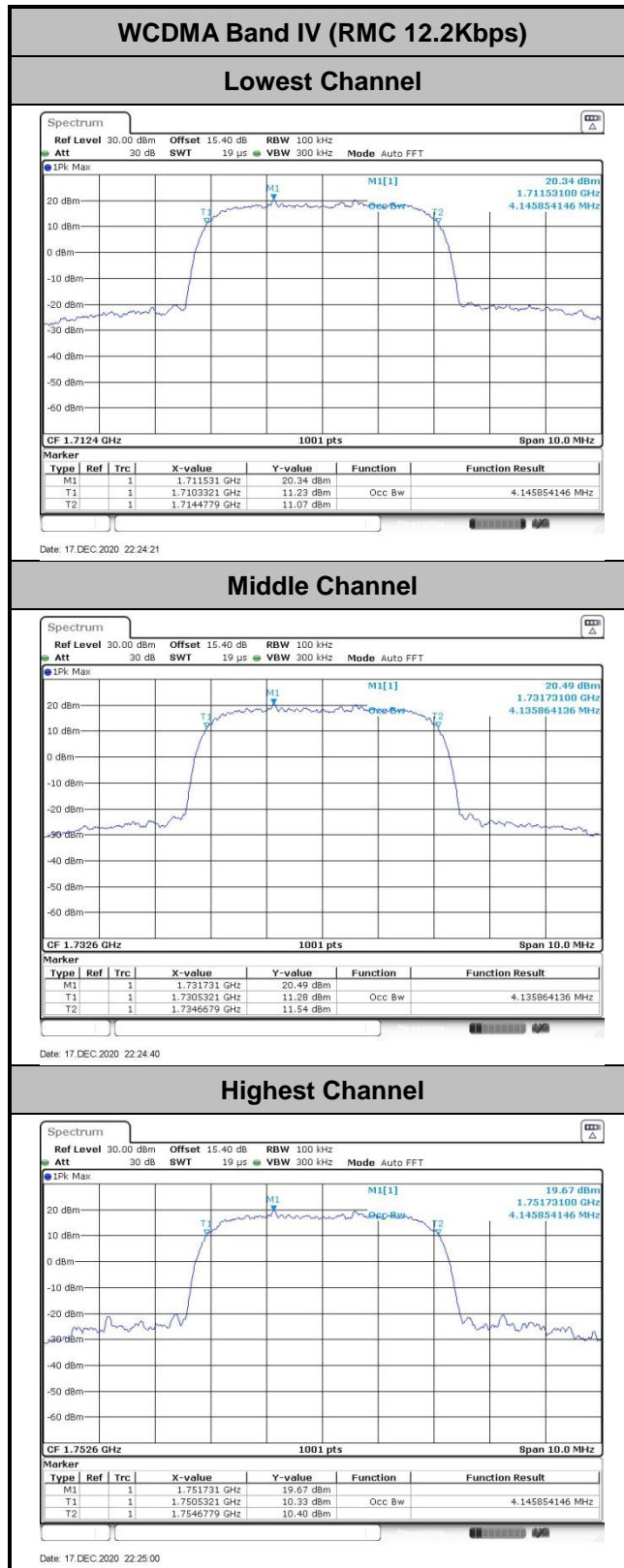


Date: 17 DEC 2020 22:02:23

Highest Channel



Date: 17 DEC 2020 22:12:15

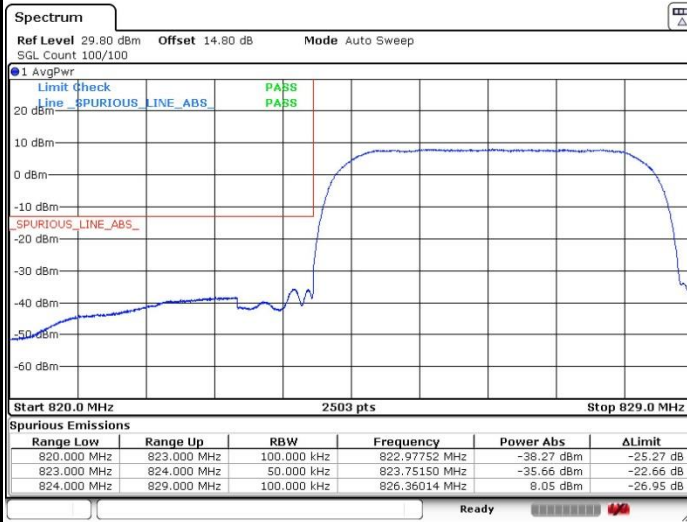




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

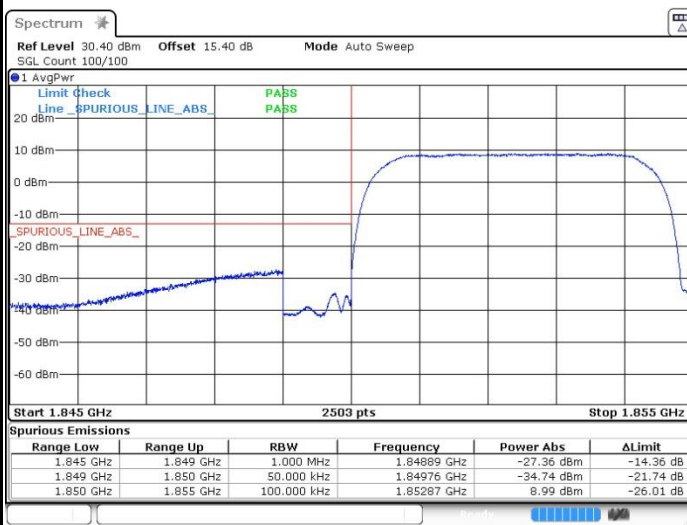


Highest Band Edge



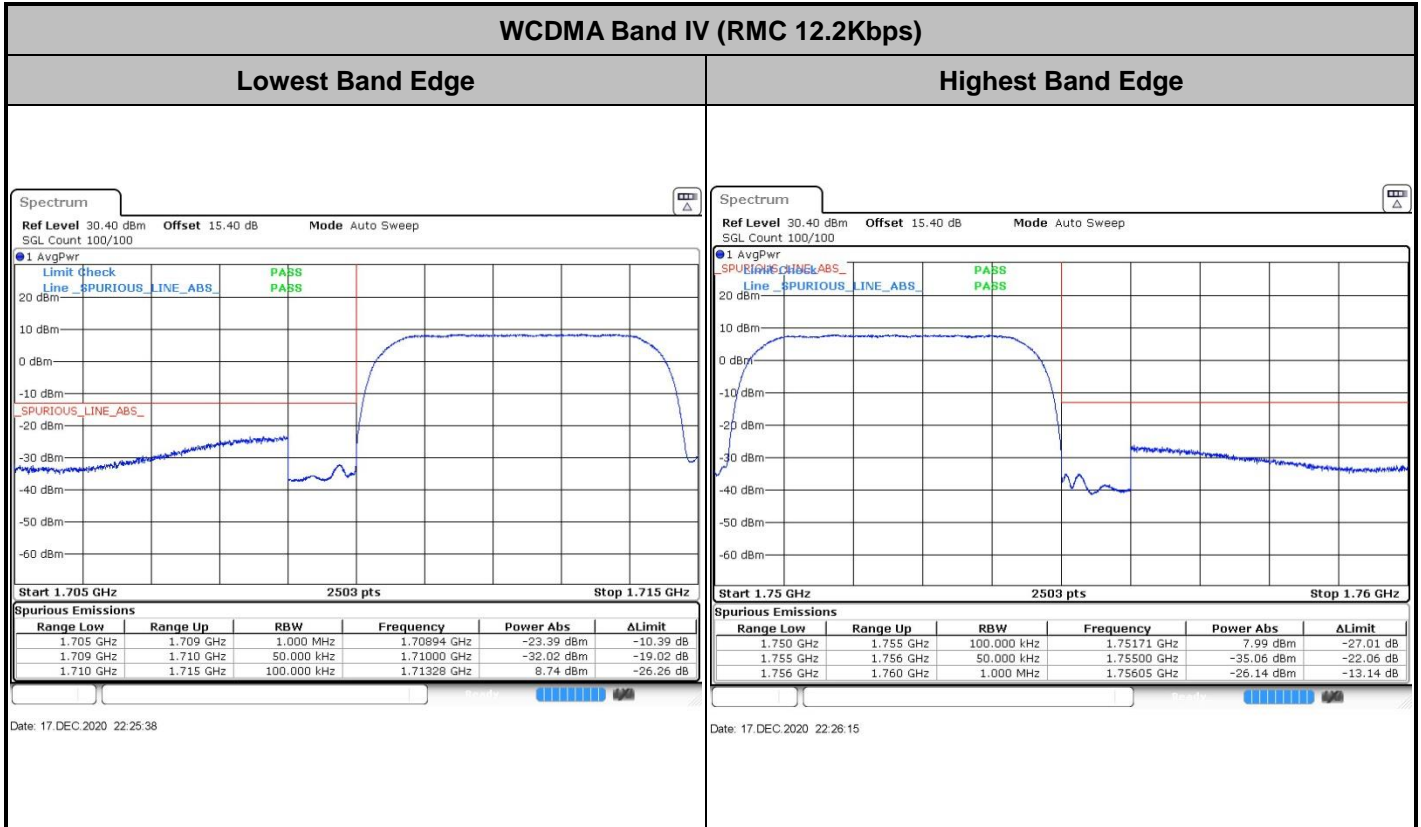
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



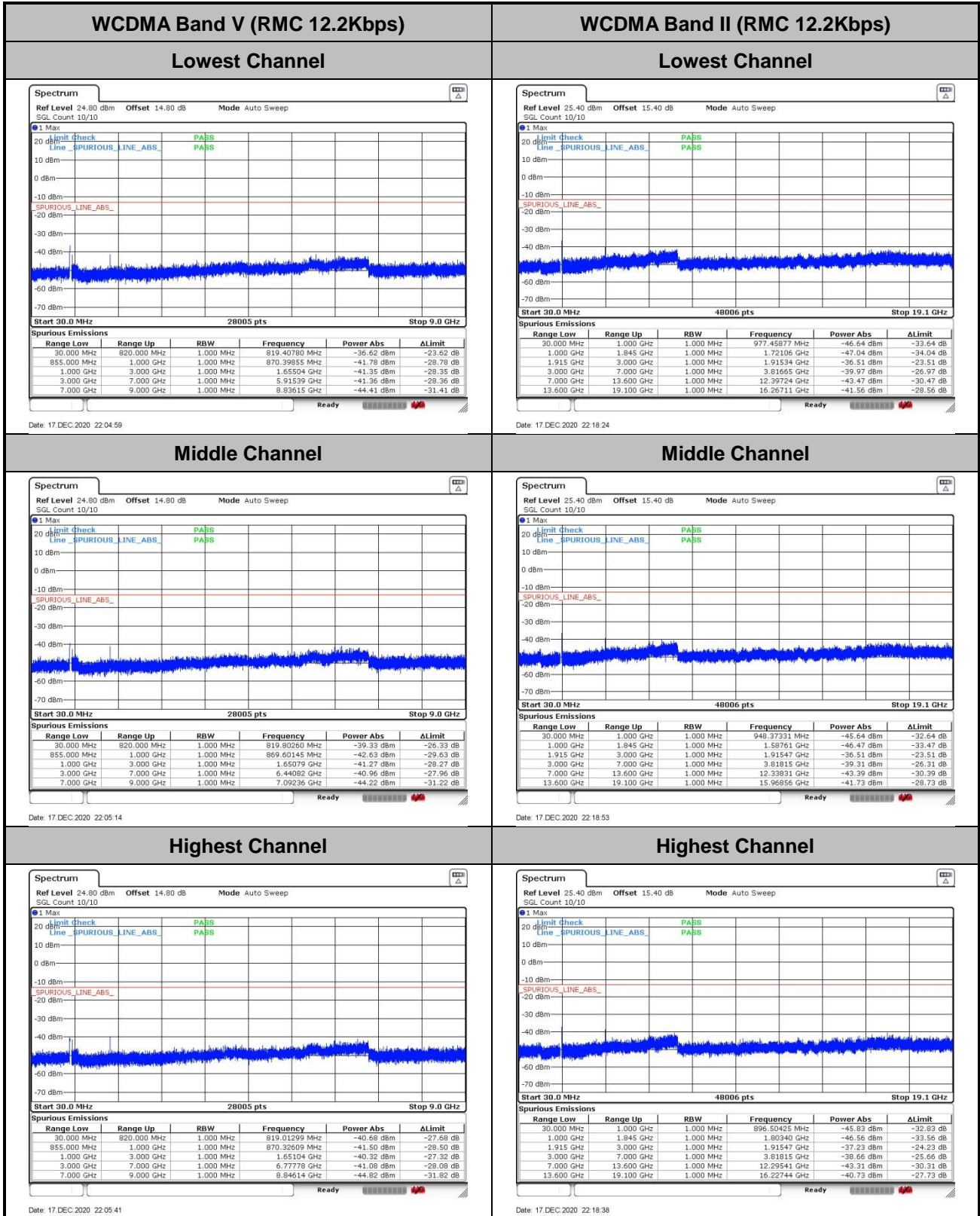
Highest Band Edge

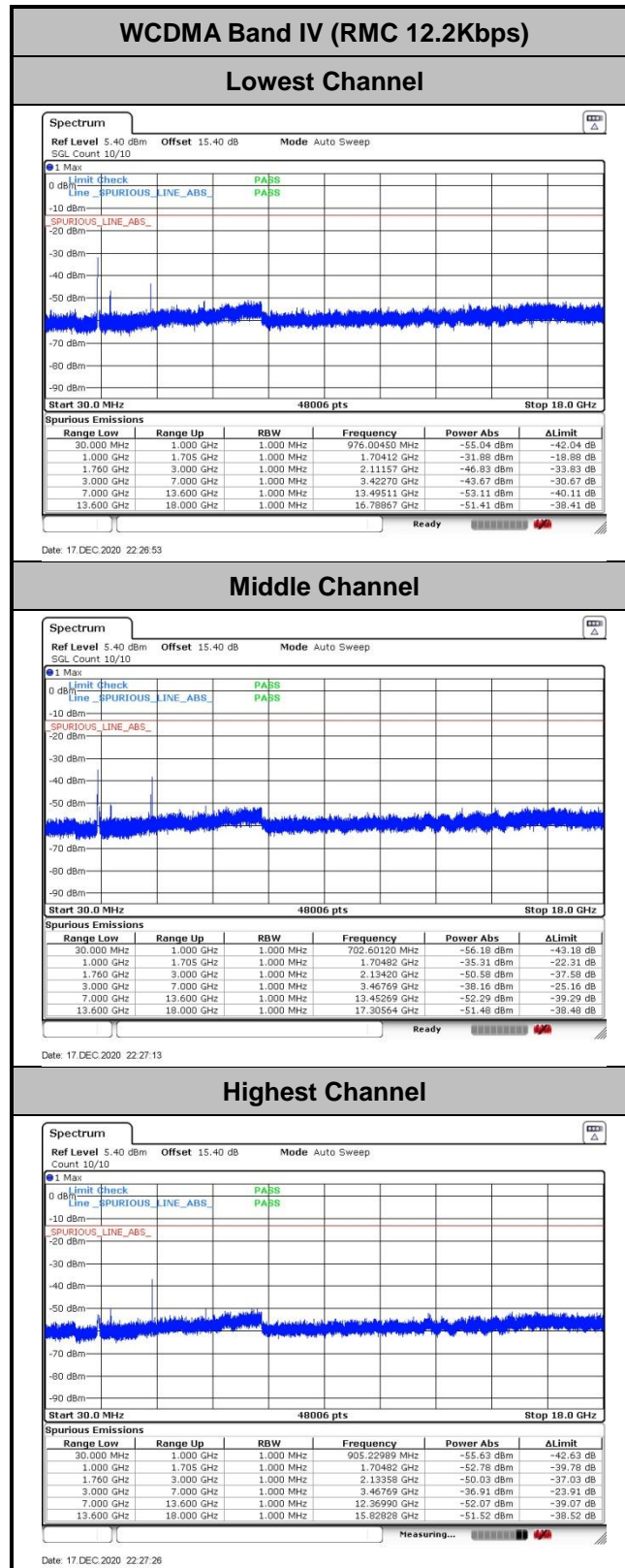






Conducted Spurious Emission







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	0.0263	PASS
40	Normal Voltage	0.0234	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0255	
20	Battery End Point	0.0088	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0174	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0118	
20	Normal Voltage	0.0122	
20	Battery End Point	0.0018	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4V
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	-56.30	-13	-43.30	-63.27	1.58	10.70	H
	2510	-34.37	-13	-21.37	-42.62	2.102	12.50	H
	3348	-57.94	-13	-44.94	-66.83	2.856	13.90	H
	4182	-54.68	-13	-41.68	-63.14	2.689	13.30	H
	5016	-52.68	-13	-39.68	-60.44	3.093	13.00	H
	1672	-58.43	-13	-45.43	-65.40	1.58	10.70	V
	2510	-41.78	-13	-28.78	-50.03	2.10	12.50	V
	3348	-49.11	-13	-36.11	-58.00	2.86	13.90	V
	4182	-57.94	-13	-44.94	-66.40	2.69	13.30	V
	5016	-55.56	-13	-42.56	-63.32	3.09	13.00	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	-59.69	-13	-46.69	-66.66	1.58	10.70	H
	2510	-43.54	-13	-30.54	-51.79	2.102	12.50	H
	3348	-56.35	-13	-43.35	-65.24	2.856	13.90	H
	4182	-54.61	-13	-41.61	-63.07	2.689	13.30	H
	5016	-53.66	-13	-40.66	-61.42	3.093	13.00	H
	1672	-60.48	-13	-47.48	-67.45	1.58	10.70	V
	2510	-49.87	-13	-36.87	-58.12	2.10	12.50	V
	3348	-50.48	-13	-37.48	-59.37	2.86	13.90	V
	4182	-58.73	-13	-45.73	-67.19	2.69	13.30	V
	5016	-56.00	-13	-43.00	-63.76	3.09	13.00	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	-53.65	-13	-40.65	-65.91	2.641	14.90	H
	5640	-54.19	-13	-41.19	-66.05	2.94	14.80	H
	7524	-52.52	-13	-39.52	-62.29	3.39	13.16	H
	9396	-48.18	-13	-35.18	-58.66	4.00	14.48	H
	3759	-51.11	-13	-38.11	-63.37	2.64	14.90	V
	5640	-55.08	-13	-42.08	-66.94	2.94	14.80	V
	7524	-52.69	-13	-39.69	-62.46	3.39	13.16	V
	9396	-50.69	-13	-37.69	-61.17	4.00	14.48	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	-55.88	-13	-42.88	-68.14	2.641	14.90	H
	5640	-34.84	-13	-21.84	-46.70	2.94	14.80	H
	7518	-52.70	-13	-39.70	-62.47	3.39	13.16	H
	9402	-47.16	-13	-34.16	-57.64	4.00	14.48	H
	3759	-50.92	-13	-37.92	-63.18	2.64	14.90	V
	5640	-46.66	-13	-33.66	-58.52	2.94	14.80	V
	7518	-52.72	-13	-39.72	-62.49	3.39	13.16	V
	9402	-51.48	-13	-38.48	-61.96	4.00	14.48	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	-65.43	-13	-52.43	-72.40	1.58	10.70	H
	2510	-60.08	-13	-47.08	-68.33	2.102	12.50	H
	3348	-59.85	-13	-46.85	-68.74	2.856	13.90	H
	1672	-64.13	-13	-51.13	-71.10	1.58	10.70	V
	2510	-58.90	-13	-45.90	-67.15	2.10	12.50	V
	3348	-59.53	-13	-46.53	-68.42	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	3762	-53.38	-13	-40.38	-65.64	2.64	14.90	H
	5643	-51.58	-13	-38.58	-63.44	2.94	14.80	H
	7524	-48.94	-13	-35.94	-58.71	3.39	13.16	H
	3762	-53.30	-13	-40.30	-65.56	2.64	14.90	V
	5643	-52.27	-13	-39.27	-64.13	2.94	14.80	V
	7524	-46.50	-13	-33.50	-56.27	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	-55.03	-13	-42.03	-65.77	2.604	13.34	H
	5199	-47.71	-13	-34.71	-58.22	3.011	13.52	H
	6936	-52.49	-13	-39.49	-62.69	3.271	13.47	H
	8664	-48.95	-13	-35.95	-55.92	5.527	12.5	H
	3465	-51.96	-13	-38.96	-62.70	2.604	13.34	V
	5199	-49.44	-13	-36.44	-59.95	3.011	13.52	V
	6936	-53.69	-13	-40.69	-63.89	3.271	13.47	V
	8664	-49.68	-13	-36.68	-56.65	5.527	12.50	V

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