



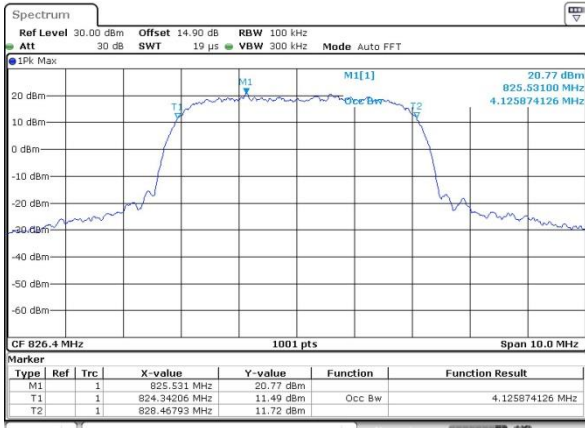
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.146	4.136
Middle CH	4.146	4.146	4.146
Highest CH	4.146	4.136	4.146



WCDMA Band V (RMC 12.2Kbps)

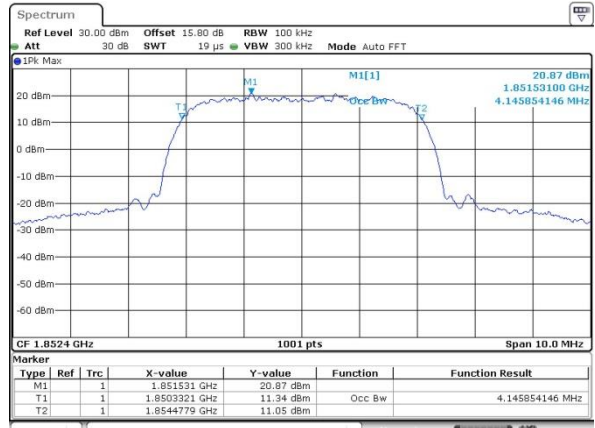
Lowest Channel



Date: 2.APR.2021 13:18:19

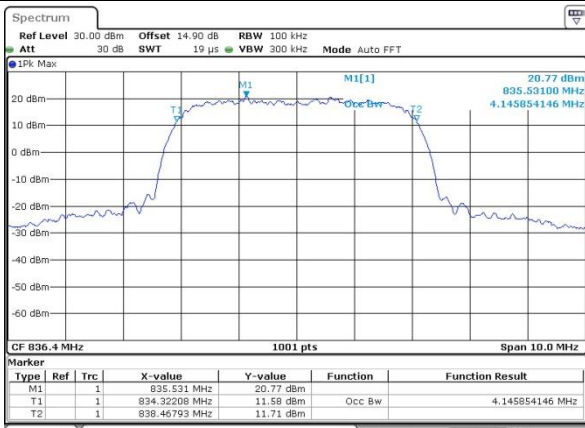
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



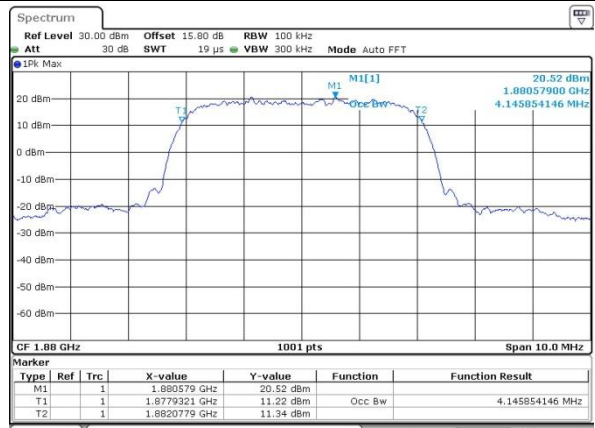
Date: 2.APR.2021 14:30:49

Middle Channel



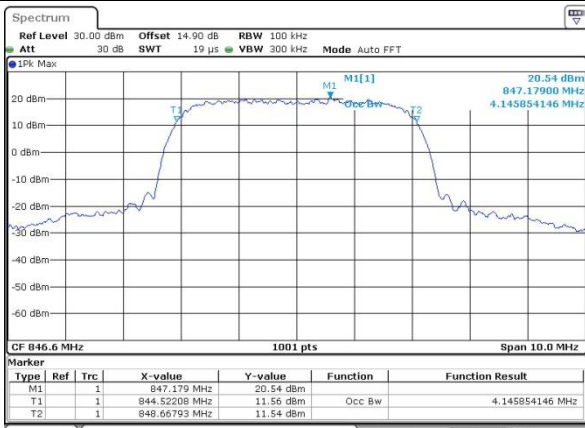
Date: 2.APR.2021 13:19:05

Middle Channel



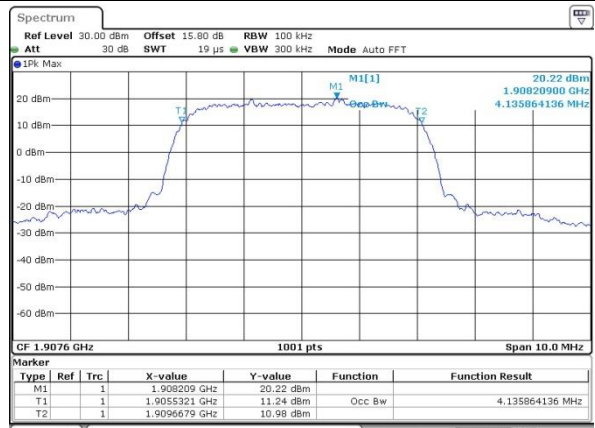
Date: 2.APR.2021 14:31:26

Highest Channel

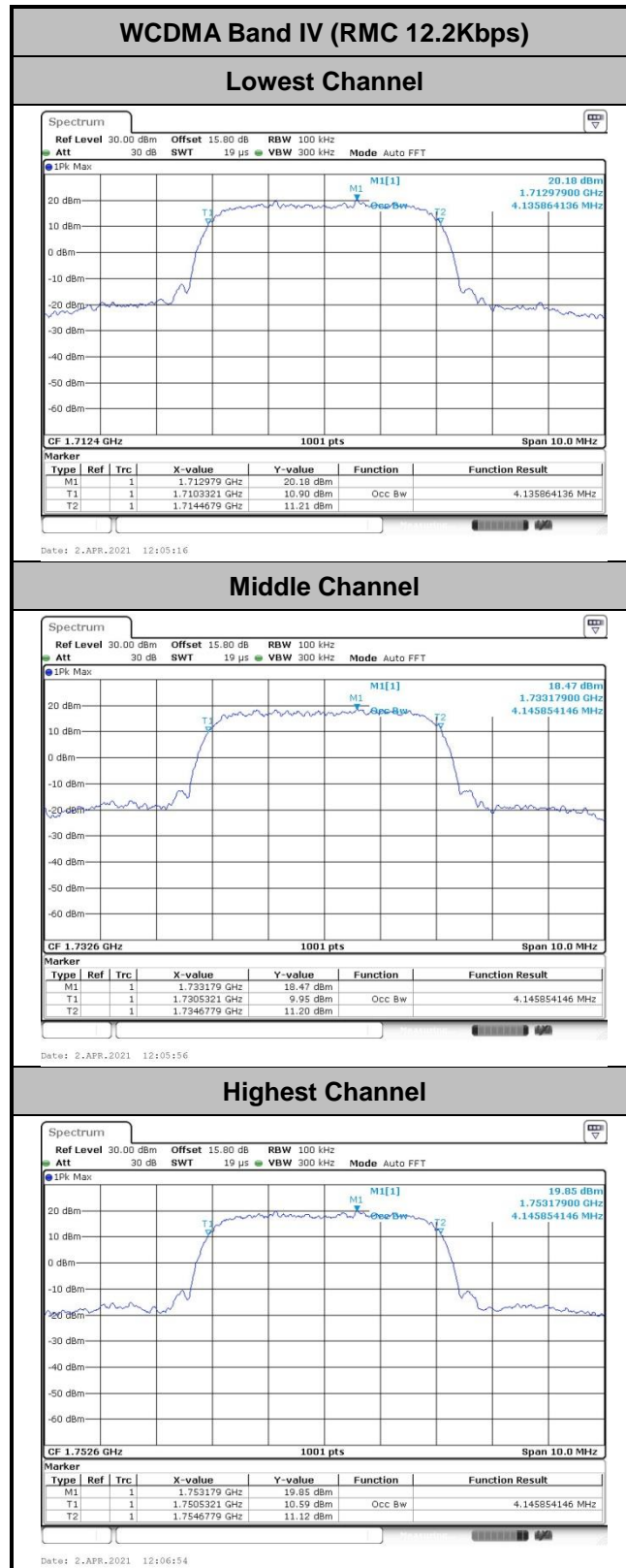


Date: 2.APR.2021 13:19:43

Highest Channel

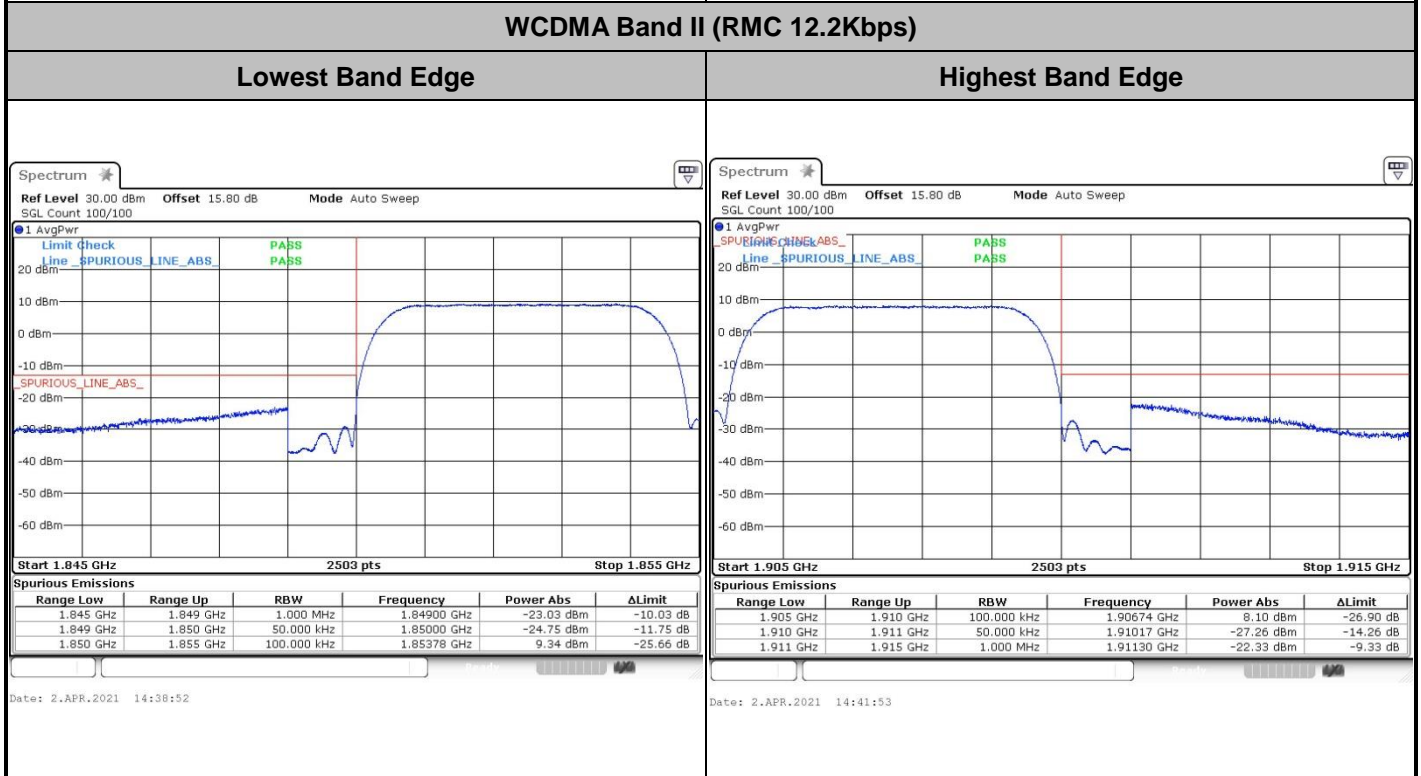
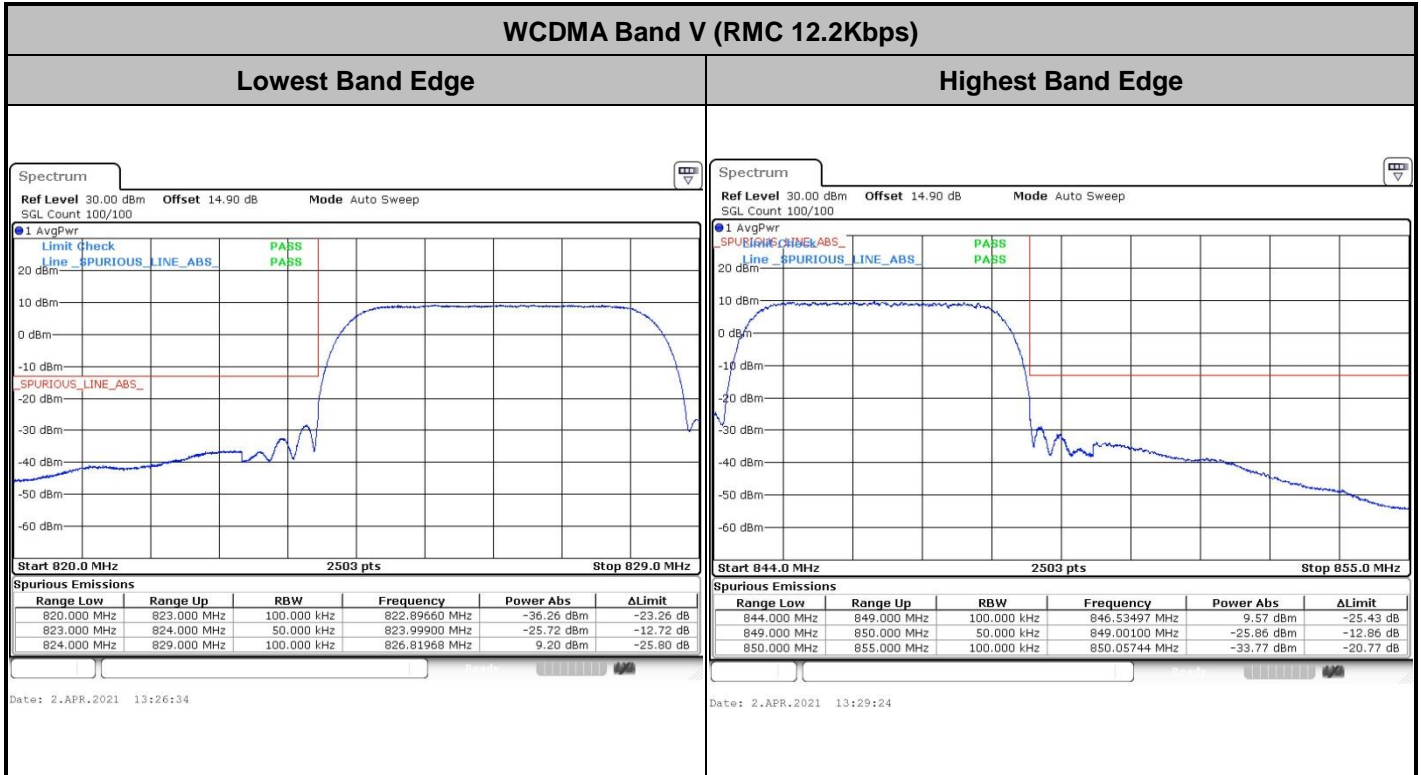


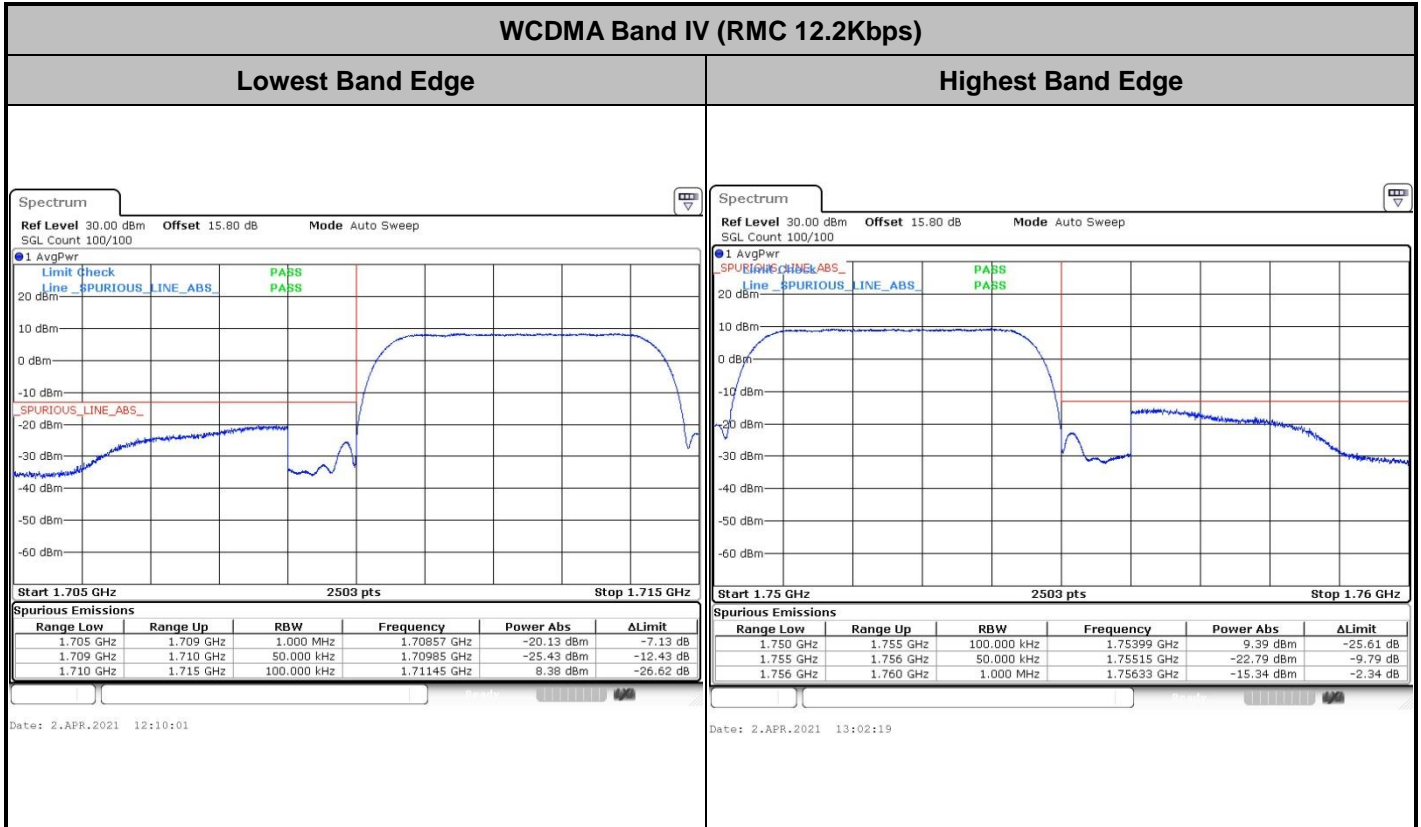
Date: 2.APR.2021 14:32:01





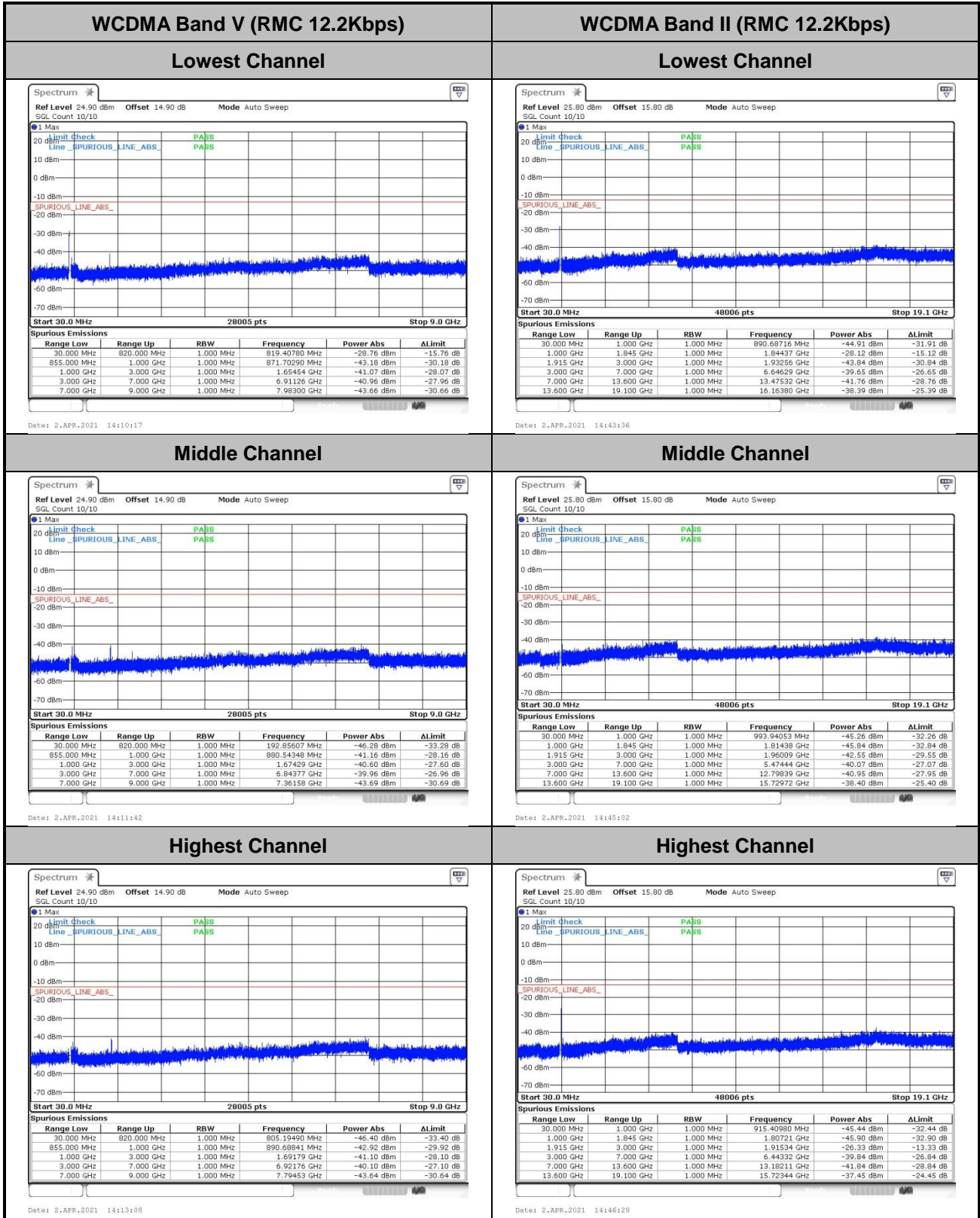
Conducted Band Edge

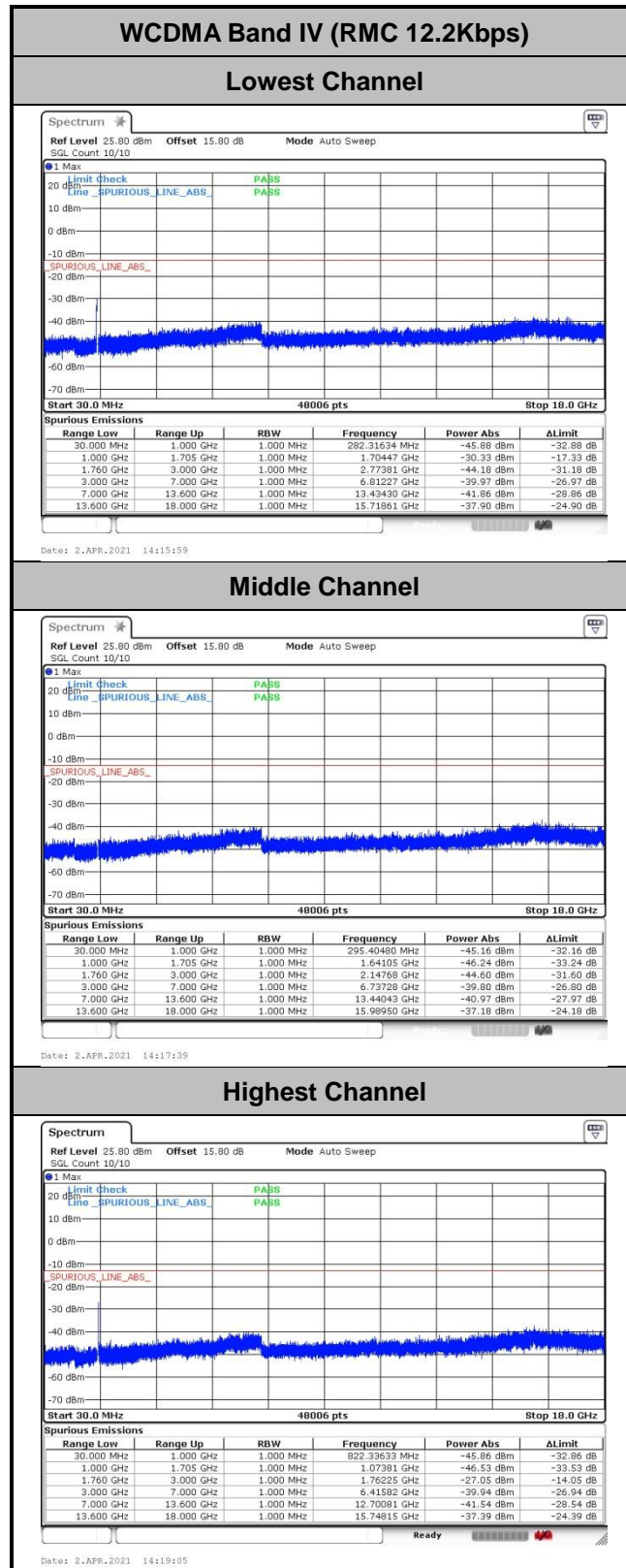






Conducted Spurious Emission







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	0.00022	PASS
40	Normal Voltage	0.0078	
30	Normal Voltage	0.0089	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0076	
20	Battery End Point	0.0063	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0069	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0019	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0063	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage = 3.85V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.3V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A3. CDMA

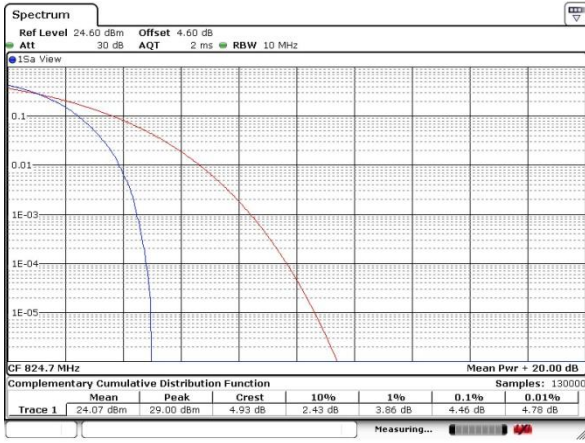
Peak-to-Average Ratio

Mode	CDMA BC0	Limit: 13dB
Mod.	1xRTT Rev. A	Result
Lowest CH	4.46	PASS
Middle CH	4.14	
Highest CH	4.00	



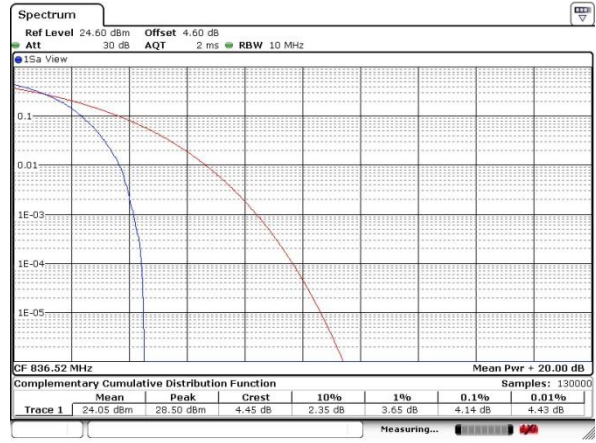
CDMA BC0 (1xRTT Rev. A)

Lowest Channel



Date: 9.APR.2021 17:03:52

Middle Channel



Date: 9.APR.2021 17:04:26

Highest Channel



Date: 9.APR.2021 17:04:48



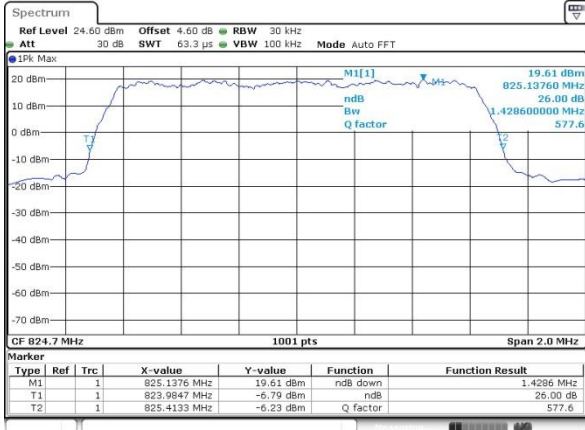
26dB Bandwidth

Mode	CDMA BC0
Mod.	1xRTT Rev. A
Lowest CH	1.4286
Middle CH	1.4366
Highest CH	1.4286



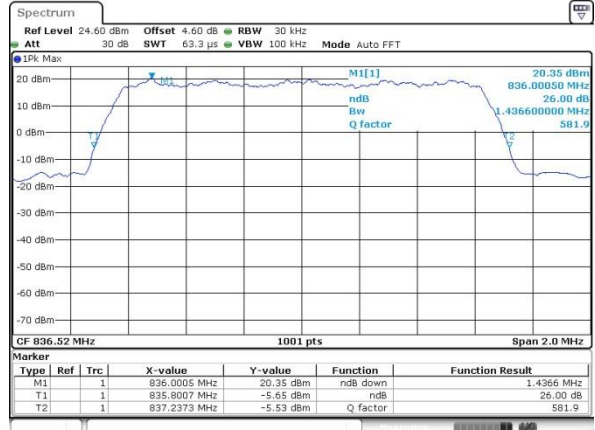
CDMA BC0 (1xRTT Rev. A)

Lowest Channel



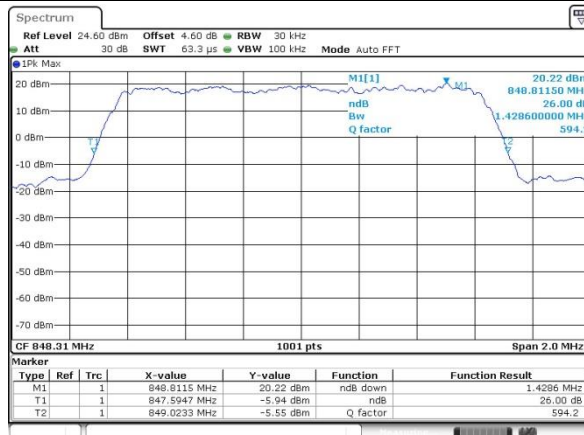
Date: 9.APR.2021 16:52:45

Middle Channel



Date: 9.APR.2021 16:53:20

Highest Channel



Date: 9.APR.2021 16:54:06



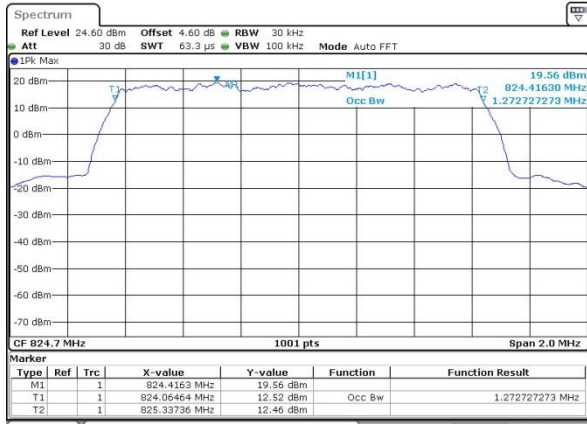
Occupied Bandwidth

Mode	CDMA BC0
Mod.	1xRTT Rev. A
Lowest CH	1.2727
Middle CH	1.2747
Highest CH	1.2767



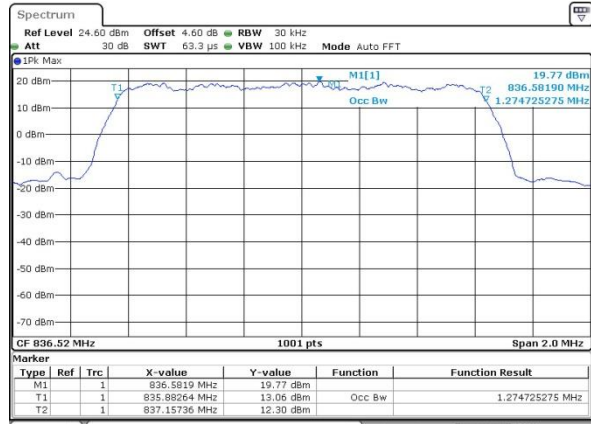
CDMA BC0 (1xRTT Rev. A)

Lowest Channel



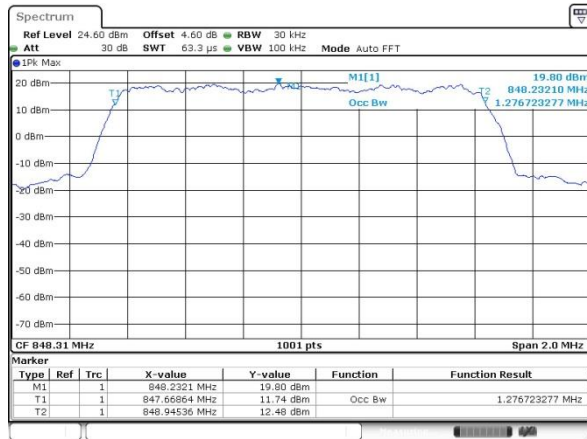
Date: 9.APR.2021 16:15:27

Middle Channel



Date: 9.APR.2021 16:58:00

Highest Channel



Date: 9.APR.2021 16:59:34



Conducted Band Edge

CDMA BC0 (1xRTT Rev. A)

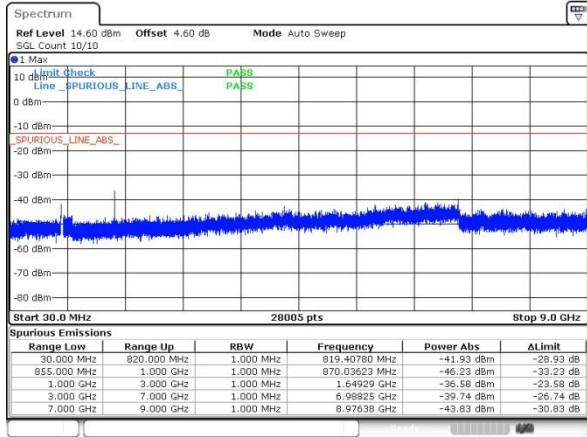
Lowest Band Edge	Lowest Band Edge verify																								
<p>Spectrum Ref Level 19.60 dBm Offset 4.60 dB Mode Auto Sweep SGL Count 100/100</p> <p>1 AvgPwr Limit check Line SPURIOUS LINE ABS PASS PASS</p> <p>Start 820.0 MHz 6003 pts Stop 829.0 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ΔLimit</th> </tr> </thead> <tbody> <tr> <td>820.000 MHz</td> <td>823.000 MHz</td> <td>100.000 kHz</td> <td>822.97376 MHz</td> <td>-31.44 dBm</td> <td>-18.44 dB</td> </tr> <tr> <td>823.000 MHz</td> <td>824.000 MHz</td> <td>15.000 kHz</td> <td>823.99925 MHz</td> <td>-16.26 dBm</td> <td>-3.26 dB</td> </tr> <tr> <td>824.000 MHz</td> <td>829.000 MHz</td> <td>100.000 kHz</td> <td>824.43353 MHz</td> <td>14.64 dBm</td> <td>-20.36 dB</td> </tr> </tbody> </table> <p>Date: 12.APR.2021 21:09:41</p>	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	820.000 MHz	823.000 MHz	100.000 kHz	822.97376 MHz	-31.44 dBm	-18.44 dB	823.000 MHz	824.000 MHz	15.000 kHz	823.99925 MHz	-16.26 dBm	-3.26 dB	824.000 MHz	829.000 MHz	100.000 kHz	824.43353 MHz	14.64 dBm	-20.36 dB	N/A
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																				
820.000 MHz	823.000 MHz	100.000 kHz	822.97376 MHz	-31.44 dBm	-18.44 dB																				
823.000 MHz	824.000 MHz	15.000 kHz	823.99925 MHz	-16.26 dBm	-3.26 dB																				
824.000 MHz	829.000 MHz	100.000 kHz	824.43353 MHz	14.64 dBm	-20.36 dB																				
Highestest Band Edge	Highestest Band Edge verify																								
<p>Spectrum Ref Level 19.60 dBm Offset 4.60 dB Mode Auto Sweep SGL Count 100/100</p> <p>1 AvgPwr Line SPURIOUS LINE ABS FAIL FAIL</p> <p>Start 844.0 MHz 6003 pts Stop 855.0 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ΔLimit</th> </tr> </thead> <tbody> <tr> <td>844.000 MHz</td> <td>849.000 MHz</td> <td>100.000 kHz</td> <td>848.26412 MHz</td> <td>13.94 dBm</td> <td>-21.06 dB</td> </tr> <tr> <td>849.000 MHz</td> <td>850.000 MHz</td> <td>15.000 kHz</td> <td>849.00025 MHz*</td> <td>-12.77 dBm*</td> <td>0.23 dB*</td> </tr> <tr> <td>850.000 MHz</td> <td>855.000 MHz</td> <td>100.000 kHz</td> <td>850.03123 MHz</td> <td>-30.36 dBm</td> <td>-17.36 dB</td> </tr> </tbody> </table> <p>Date: 12.APR.2021 21:16:57</p>	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	844.000 MHz	849.000 MHz	100.000 kHz	848.26412 MHz	13.94 dBm	-21.06 dB	849.000 MHz	850.000 MHz	15.000 kHz	849.00025 MHz*	-12.77 dBm*	0.23 dB*	850.000 MHz	855.000 MHz	100.000 kHz	850.03123 MHz	-30.36 dBm	-17.36 dB	<p>Spectrum Spectrum 2 Ref Level 24.80 dBm Offset 4.80 dB RBW 20 kHz Att 30 dB SWT 1 ms VBW 20 kHz Mode Auto Sweep SGL Count 100/100</p> <p>1Rm AvgPwr</p> <p>CF 849.0075 MHz 691 pts Span 30.0 kHz</p> <p>Channel Power Bandwidth 15.00 kHz Power -14.20 dBm Tx Total -14.20 dBm</p> <p>Date: 13.APR.2021 14:40:43</p>
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit																				
844.000 MHz	849.000 MHz	100.000 kHz	848.26412 MHz	13.94 dBm	-21.06 dB																				
849.000 MHz	850.000 MHz	15.000 kHz	849.00025 MHz*	-12.77 dBm*	0.23 dB*																				
850.000 MHz	855.000 MHz	100.000 kHz	850.03123 MHz	-30.36 dBm	-17.36 dB																				



Conducted Spurious Emission

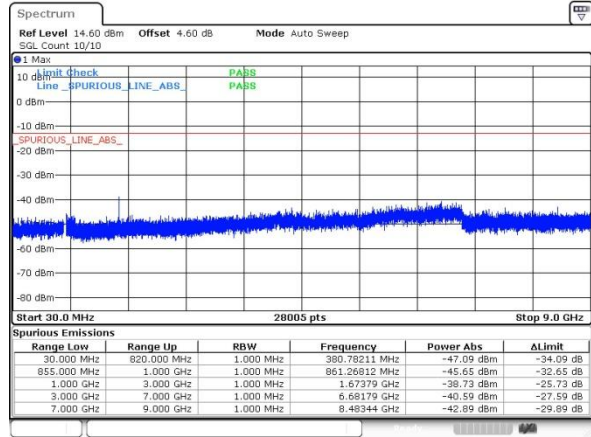
CDMA BC0 (1xRTT Rev. A)

Lowest Channel



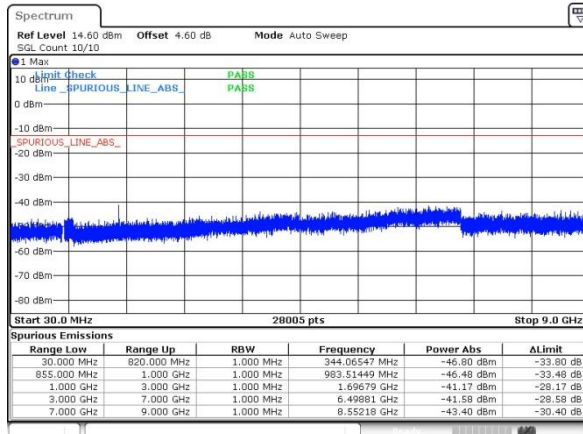
Date: 9.APR.2021 17:00:01

Middle Channel



Date: 9.APR.2021 17:01:44

Highest Channel



Date: 9.APR.2021 17:03:08



Frequency Stability

Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	CDMA BC0 (1xRTT Rev. A)	Limit 2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0140	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0098	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0104	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0101	

Note:

1. Normal Voltage = 3.85V ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.3V
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	-55.53	-13	-42.53	-62.50	1.58	10.70	H
	2510	-33.31	-13	-20.31	-41.56	2.10	12.50	H
	3348	-51.85	-13	-38.85	-60.74	2.86	13.90	H
	4182	-51.86	-13	-38.86	-59.55	3.46	13.30	V
	1672	-54.74	-13	-41.74	-61.71	1.58	10.70	V
	2510	-31.77	-13	-18.77	-40.02	2.10	12.50	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	-52.05	-13	-39.05	-59.02	1.58	10.70	H
	2510	-35.15	-13	-22.15	-43.40	2.10	12.50	H
	3348	-52.73	-13	-39.73	-61.62	2.86	13.90	H
	4182	-55.33	-13	-42.33	-63.02	3.46	13.30	H
	1672	-53.89	-13	-40.89	-60.86	1.58	10.70	V
	2510	-29.52	-13	-16.52	-37.77	2.10	12.50	V
	3348	-51.41	-13	-38.41	-60.30	2.86	13.90	V
	4182	-53.55	-13	-40.55	-62.01	2.69	13.30	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	-56.70	-13	-43.70	-68.96	2.641	14.90	H
	5640	-54.74	-13	-41.74	-66.60	2.94	14.80	H
	7524	-52.67	-13	-39.67	-62.44	3.39	13.16	H
	3759	-56.73	-13	-43.73	-68.99	2.64	14.90	V
	5640	-55.34	-13	-42.34	-67.20	2.94	14.80	V
	7524	-52.86	-13	-39.86	-62.63	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	-57.02	-13	-44.02	-69.28	2.641	14.90	H
	5640	-54.82	-13	-41.82	-66.68	2.94	14.80	H
	7524	-52.72	-13	-39.72	-62.49	3.39	13.16	H
	3759	-56.93	-13	-43.93	-69.19	2.64	14.90	V
	5640	-55.50	-13	-42.50	-67.36	2.94	14.80	V
	7524	-52.69	-13	-39.69	-62.46	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	-62.65	-13	-49.65	-69.62	1.58	10.70	H
	2510	-57.71	-13	-44.71	-65.96	2.102	12.50	H
	3348	-57.78	-13	-44.78	-66.07	2.856	13.30	H
	1672	-61.59	-13	-48.59	-68.56	1.58	10.70	V
	2510	-57.05	-13	-44.05	-65.30	2.10	12.50	V
	3348	-57.85	-13	-44.85	-66.14	2.86	13.30	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	-54.44	-13	-41.44	-66.70	2.64	14.90	H
	5640	-54.80	-13	-41.80	-66.66	2.94	14.80	H
	7524	-52.87	-13	-39.87	-62.64	3.39	13.16	H
	3759	-55.59	-13	-42.59	-67.85	2.64	14.90	V
	5640	-55.31	-13	-42.31	-67.17	2.94	14.80	V
	7524	-52.97	-13	-39.97	-62.74	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	-56.37	-13	-43.37	-67.11	2.604	13.34	H
	5199	-55.06	-13	-42.06	-65.57	3.011	13.52	H
	6936	-54.36	-13	-41.36	-64.56	3.271	13.47	H
	3465	-57.37	-13	-44.37	-68.11	2.604	13.34	V
	5199	-55.34	-13	-42.34	-65.85	3.011	13.52	V
	6936	-53.92	-13	-40.92	-64.12	3.271	13.47	V

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

CDMA BC0(1xRTT)								
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	1674	-56.35	-13	-43.35	-63.32	1.58	10.70	H
	2510	-32.31	-13	-19.31	-40.56	2.10	12.50	H
	3348	-54.85	-13	-41.85	-63.74	2.86	13.90	H
	4182	-54.86	-13	-41.86	-64.82	3.46	15.57	H
	1674	-54.56	-13	-41.56	-61.53	1.58	10.70	V
	2510	-30.77	-13	-17.77	-39.02	2.10	12.50	V
	3348	-53.21	-13	-40.21	-62.10	2.86	13.90	V
	4182	-53.83	-13	-40.83	-63.79	3.46	15.57	V

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