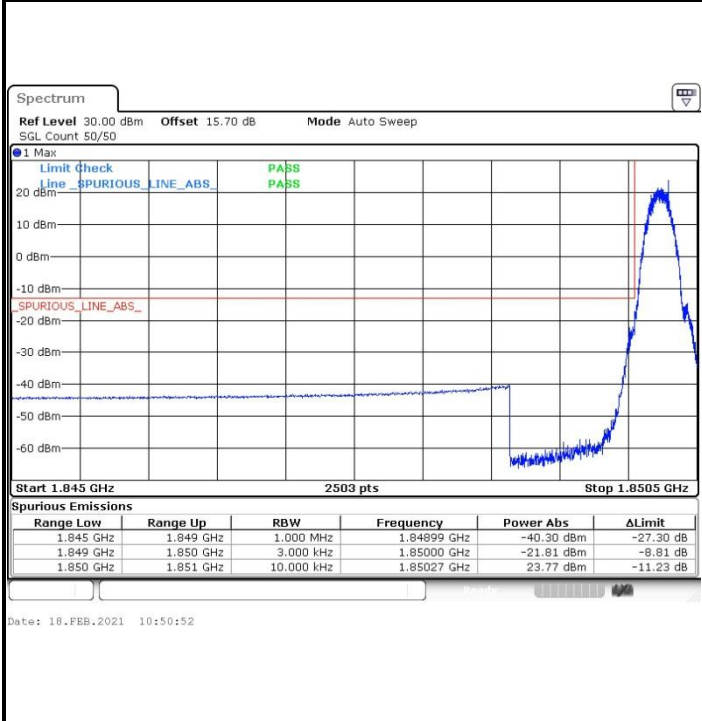


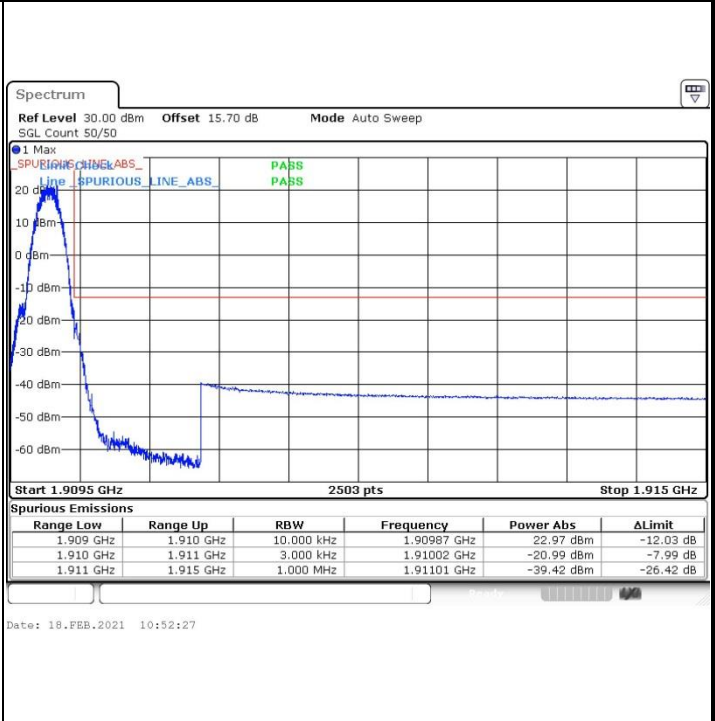


GSM1900 (GSM)

Lowest Band Edge

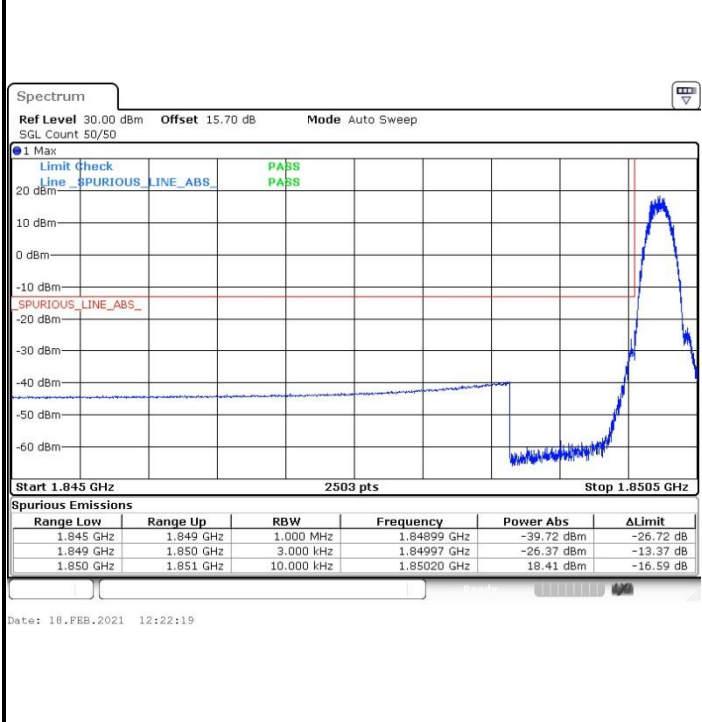


Highest Band Edge

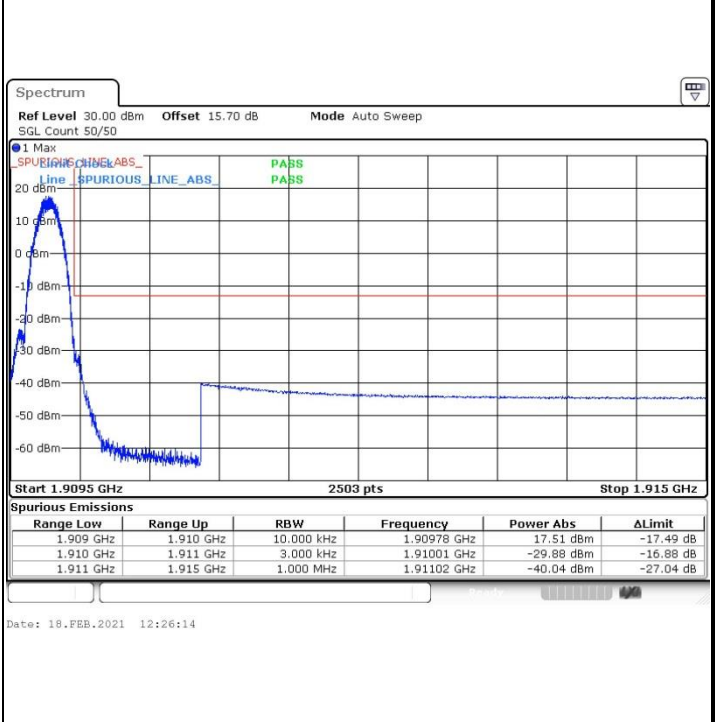


GSM1900 (EDGE class 8)

Lowest Band Edge

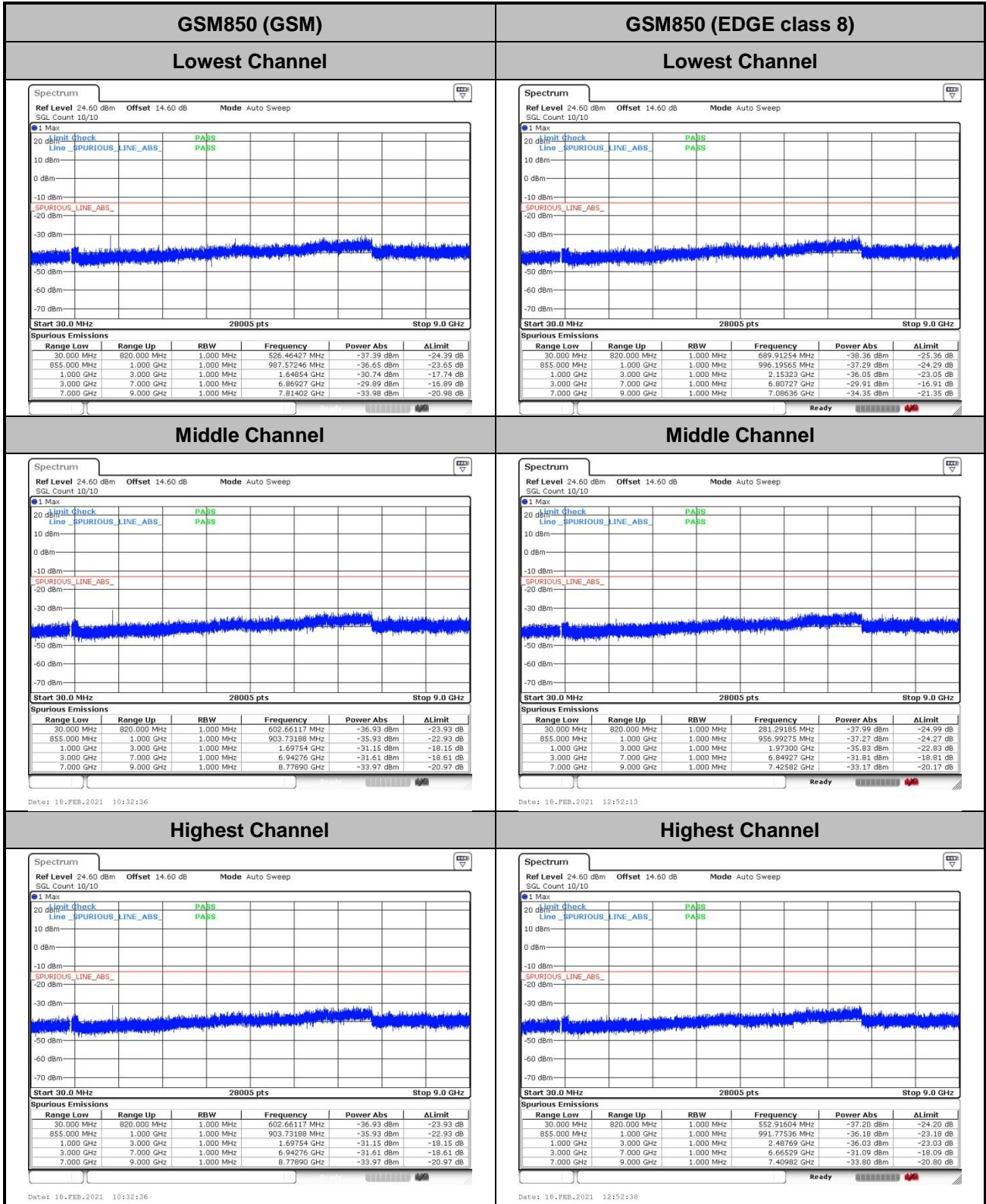


Highest Band Edge





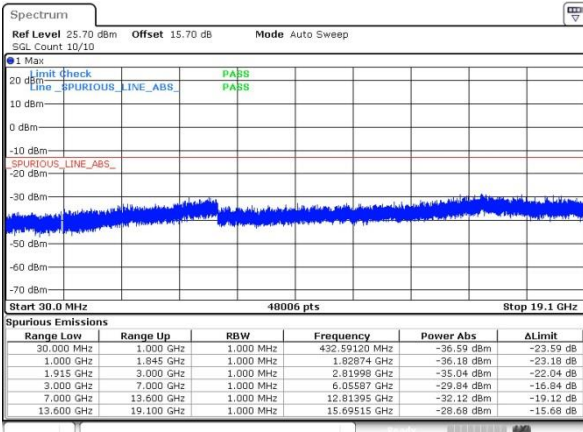
Conducted Spurious Emission





GSM1900 (GSM)

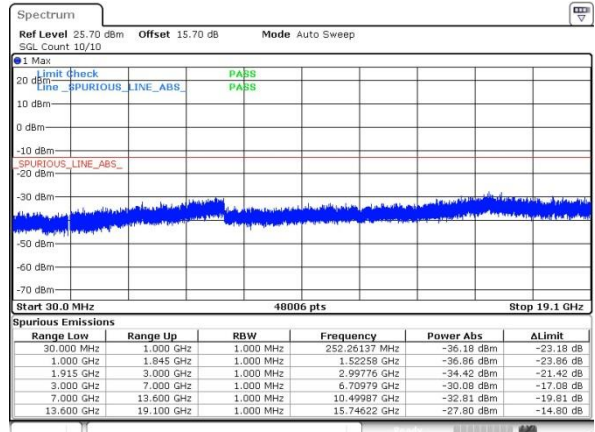
Lowest Channel



Date: 18.FEB.2021 13:00:56

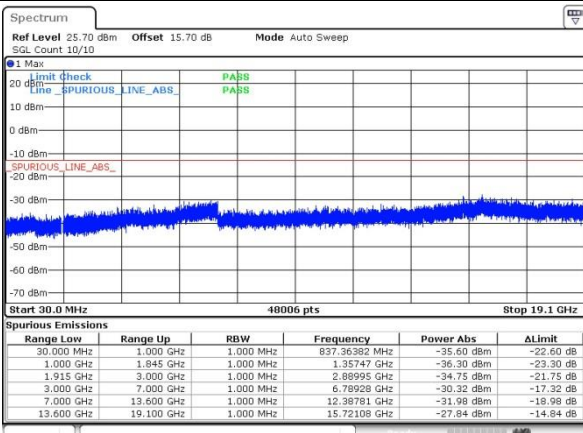
GSM1900 (EDGE class 8)

Lowest Channel



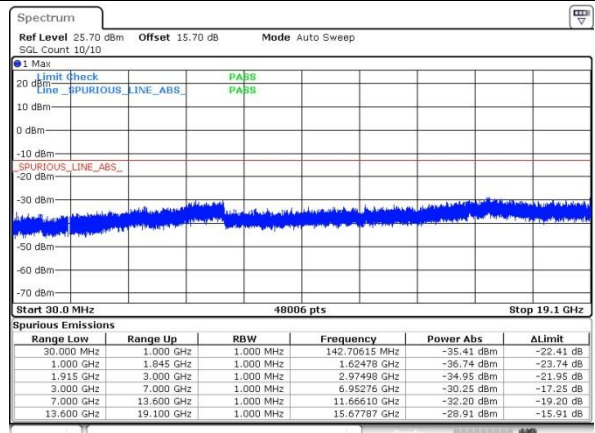
Date: 18.FEB.2021 12:28:01

Middle Channel



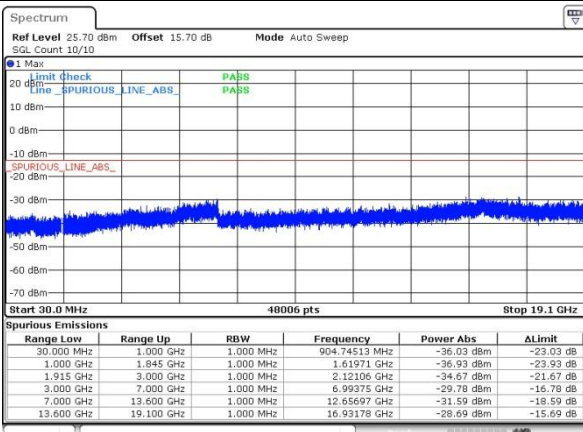
Date: 18.FEB.2021 13:02:21

Middle Channel



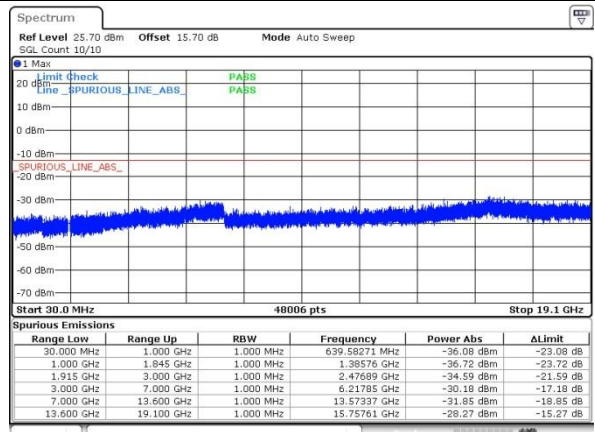
Date: 18.FEB.2021 12:29:25

Highest Channel



Date: 18.FEB.2021 13:03:46

Highest Channel



Date: 18.FEB.2021 12:30:49



Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0011	0.0176	PASS
40	Normal Voltage	0.0096	0.0016	
30	Normal Voltage	0.0138	0.0106	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0135	0.0160	
0	Normal Voltage	0.0053	0.0122	
-10	Normal Voltage	0.0022	0.0017	
-20	Normal Voltage	0.0027	0.0011	
-30	Normal Voltage	0.0149	0.0190	
20	Maximum Voltage	0.0005	0.0005	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0044	0.0111	

Note: Normal Voltage = 3.8V. : Battery End Point (BEP) = 3.5 V. : Maximum Voltage =4.4V



Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0058	0.0181	PASS
40	Normal Voltage	0.0015	0.0131	
30	Normal Voltage	0.0119	0.0023	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0145	0.0112	
0	Normal Voltage	0.0136	0.0135	
-10	Normal Voltage	0.0089	0.0174	
-20	Normal Voltage	0.0021	0.0127	
-30	Normal Voltage	0.0118	0.0119	
20	Maximum Voltage	0.0052	0.0018	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0124	0.0027	

Note:

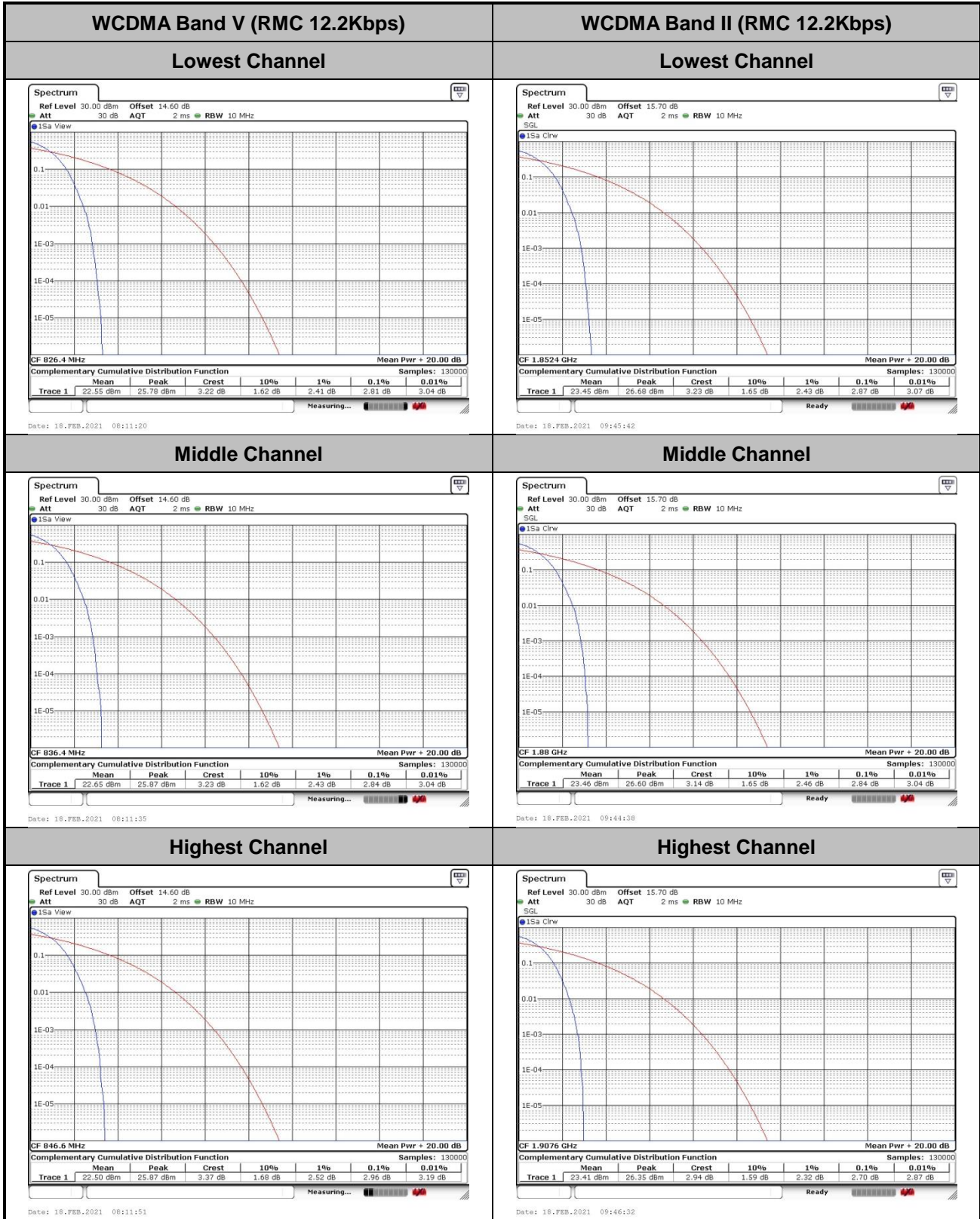
- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.4V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.81	2.87	PASS
Middle CH	2.84	2.84	
Highest CH	2.96	2.70	





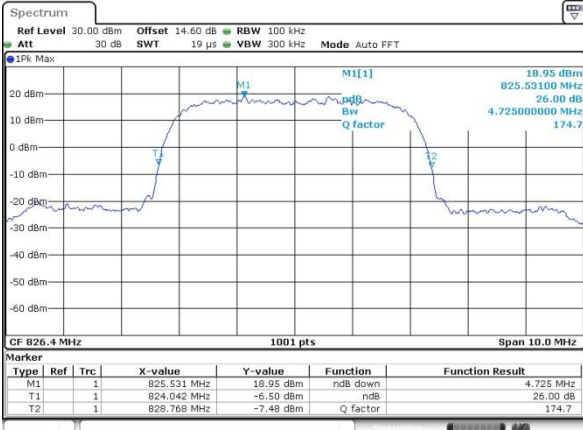
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.725	4.715
Middle CH	4.715	4.715
Highest CH	4.705	4.715



WCDMA Band V (RMC 12.2Kbps)

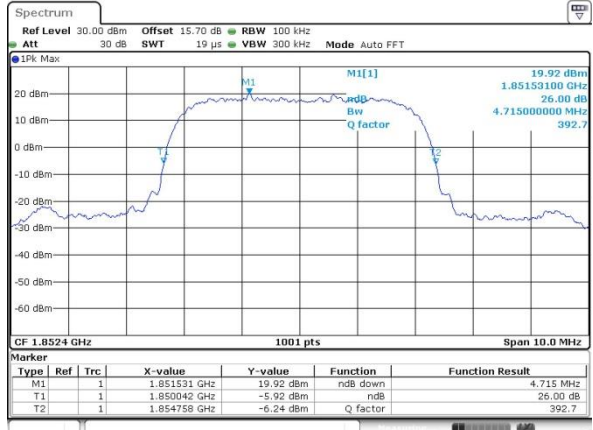
Lowest Channel



Date: 18.FEB.2021 07:59:07

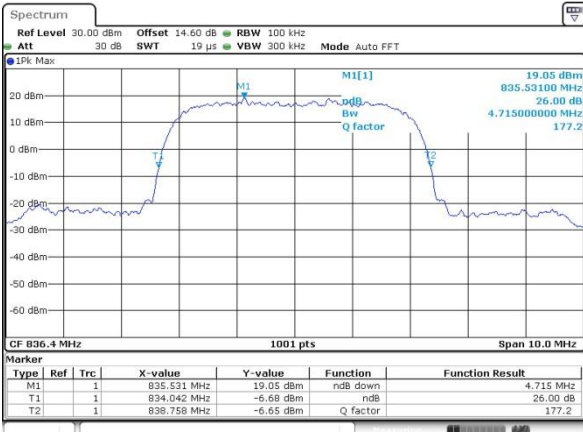
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



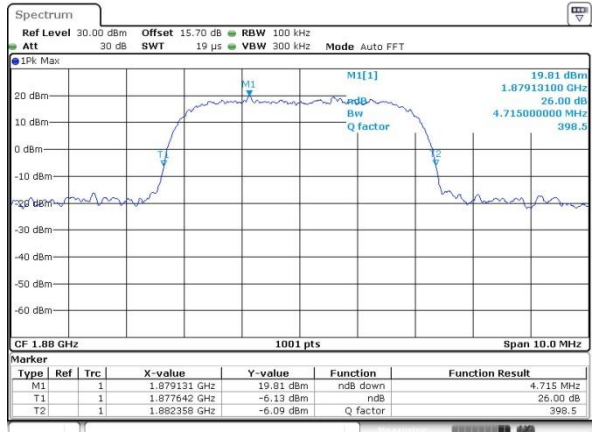
Date: 18.FEB.2021 08:34:38

Middle Channel



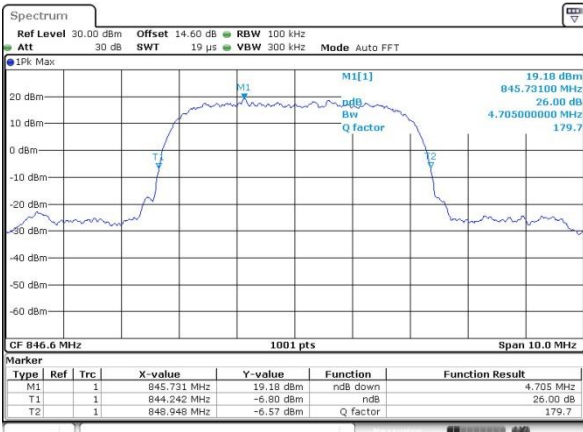
Date: 18.FEB.2021 07:59:46

Middle Channel



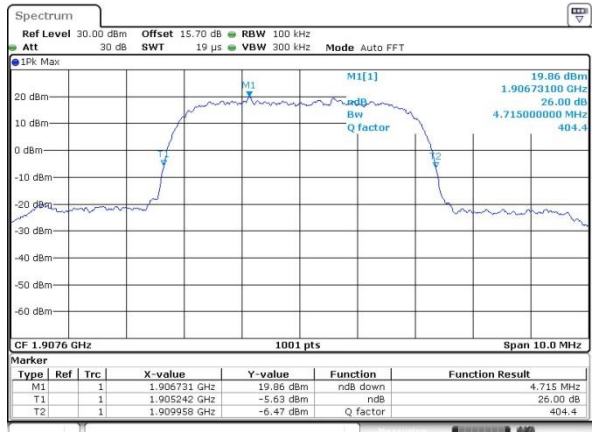
Date: 18.FEB.2021 08:34:21

Highest Channel



Date: 18.FEB.2021 08:00:26

Highest Channel

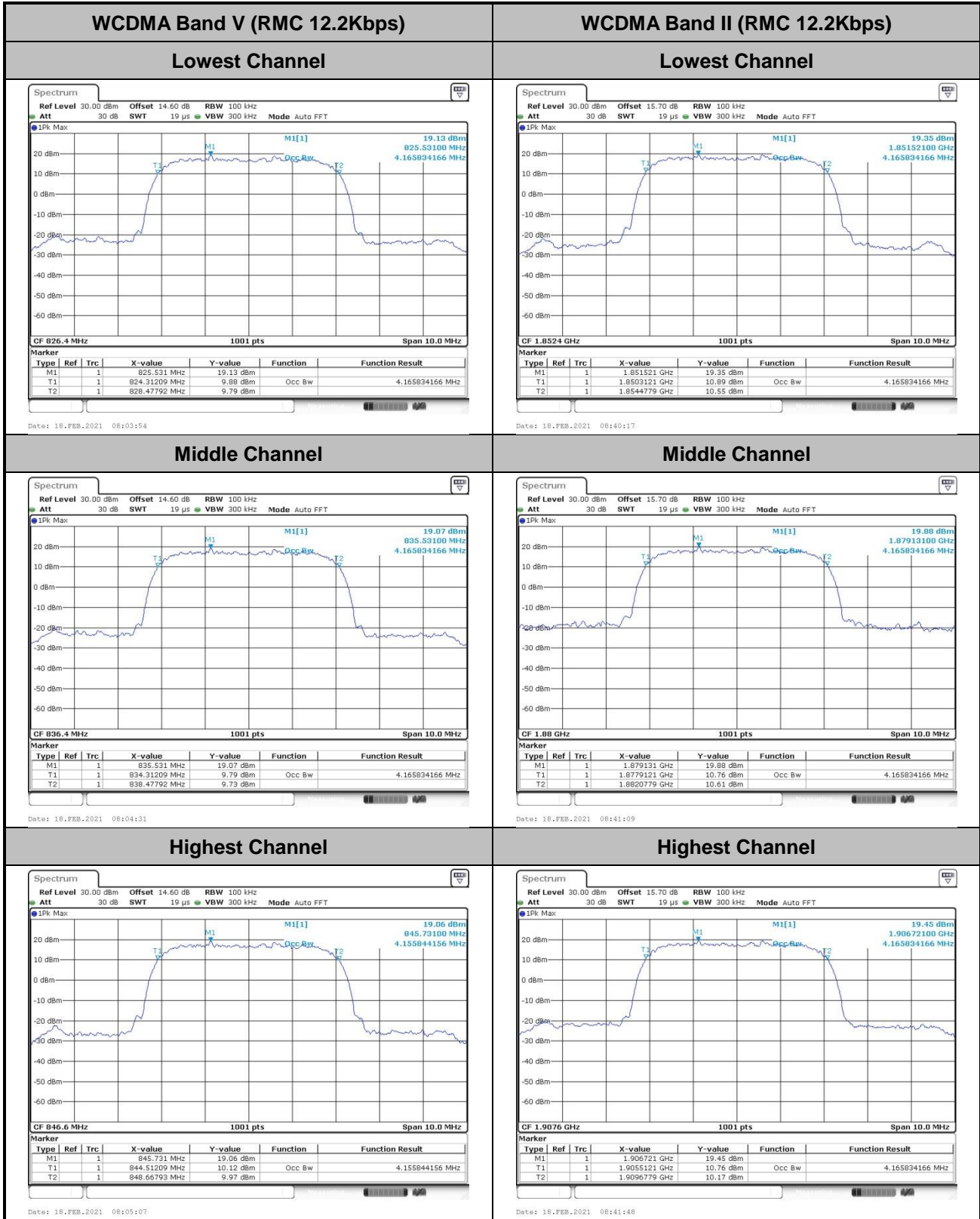


Date: 18.FEB.2021 08:37:00



Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.17	4.17
Middle CH	4.17	4.17
Highest CH	4.16	4.17

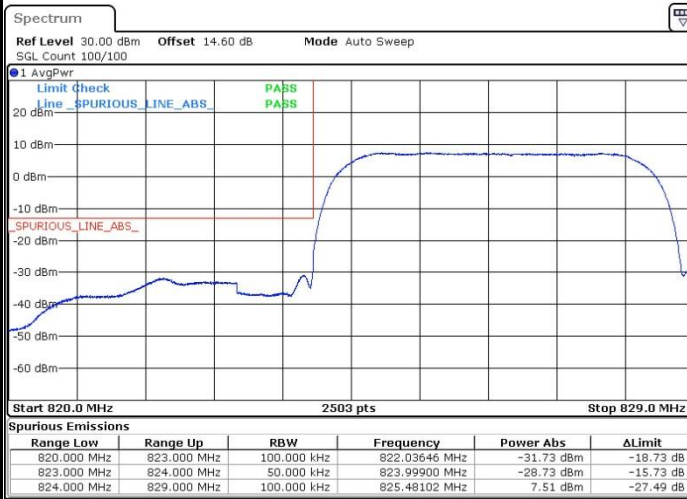




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

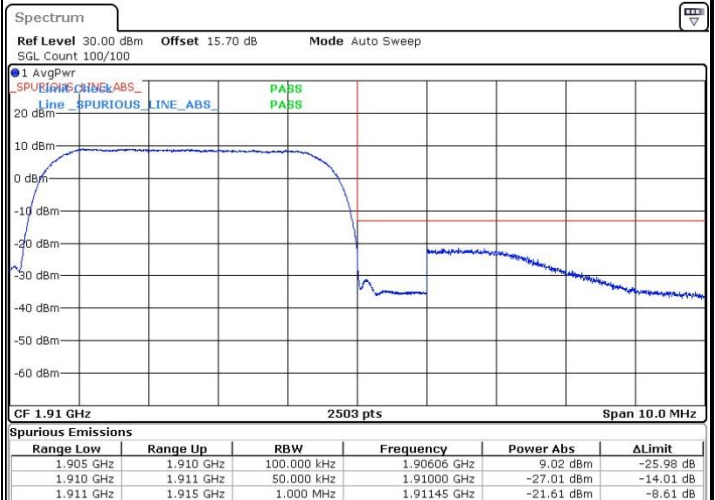


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

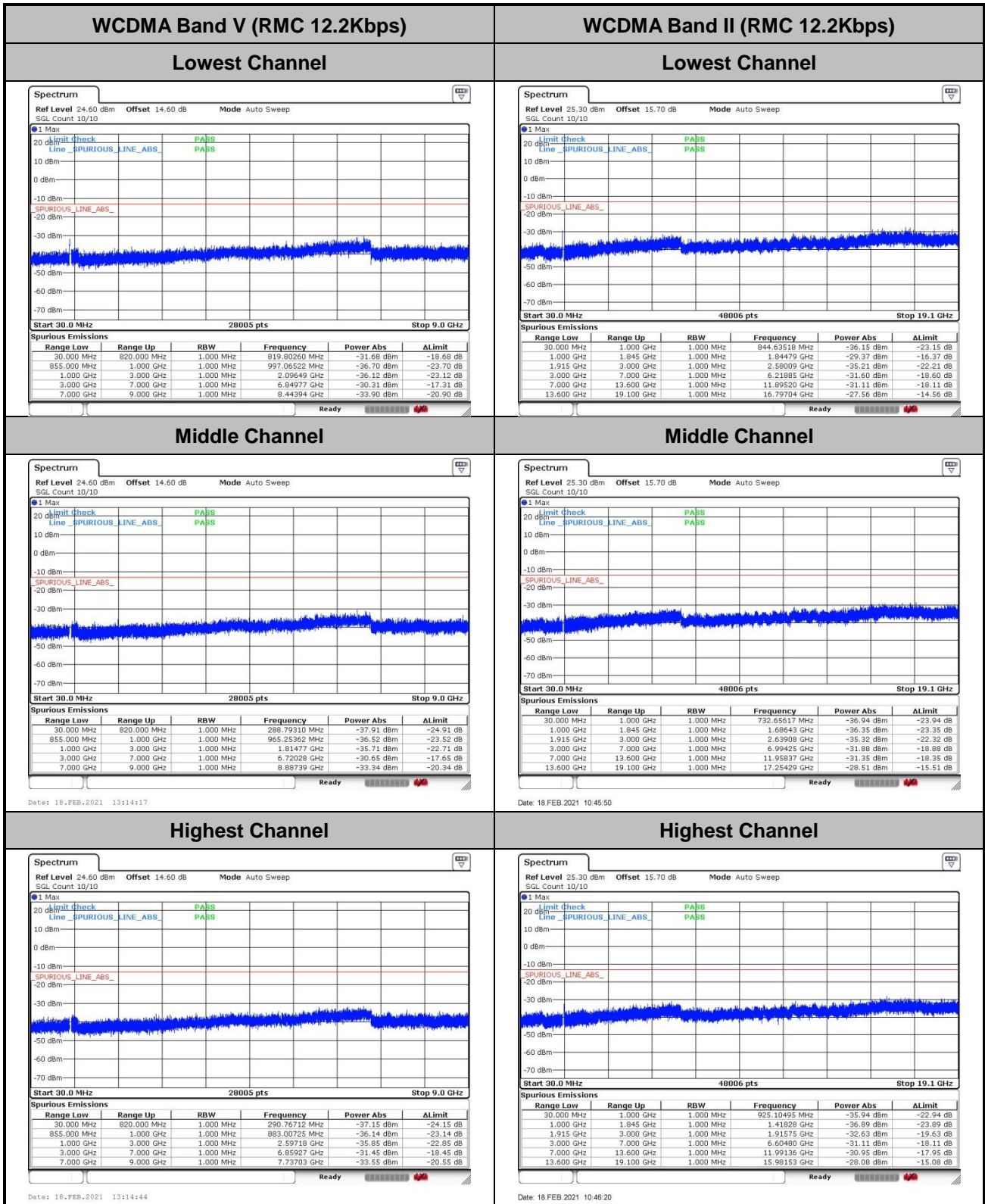


Highest Band Edge





Conducted Spurious Emission





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0256	
30	Normal Voltage	0.0221	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0173	
-10	Normal Voltage	0.0127	
-20	Normal Voltage	0.0196	
-30	Normal Voltage	0.0212	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0196	

Note: Normal Voltage = 3.8V ; Battery End Point (BEP) =3.5V ; Maximum Voltage =4.4V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0110	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0201	
0	Normal Voltage	0.0276	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

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	-62.25	-13	-49.25	-69.22	1.58	10.70	H
	2510	-51.05	-13	-38.05	-59.30	2.10	12.50	H
	3348	-59.49	-13	-46.49	-68.38	2.86	13.90	H
	4182	-57.47	-13	-44.47	-67.43	3.46	15.57	H
	1672	-62.37	-13	-49.37	-69.34	1.58	10.70	V
	2510	-52.77	-13	-39.77	-61.02	2.10	12.50	V
	3348	-56.41	-13	-43.41	-65.30	2.86	13.90	V
	4182	-57.56	-13	-44.56	-67.52	3.46	15.57	V

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

GSM850 (EDGE class 8)								
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	-63.15	-13	-50.15	-70.12	1.58	10.70	H
	2510	-59.27	-13	-46.27	-67.52	2.102	12.50	H
	3348	-59.75	-13	-46.75	-68.64	2.856	13.90	H
	1672	-63.18	-13	-50.18	-70.15	1.58	10.70	V
	2510	-58.96	-13	-45.96	-67.21	2.10	12.50	V
	3348	-59.40	-13	-46.40	-68.29	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	-52.44	-13	-39.44	-64.70	2.64	14.90	H
	5640	-53.69	-13	-40.69	-65.55	2.94	14.80	H
	7524	-51.59	-13	-38.59	-61.36	3.39	13.16	H
	3759	-52.46	-13	-39.46	-64.72	2.64	14.90	V
	5640	-53.64	-13	-40.64	-65.50	2.94	14.80	V
	7524	-51.57	-13	-38.57	-61.34	3.39	13.16	V

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



GSM1900 (EDGE class 8)								
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	-57.33	-13	-44.33	-69.59	2.641	14.90	H
	5640	-54.13	-13	-41.13	-65.99	2.94	14.80	H
	7524	-51.84	-13	-38.84	-61.61	3.39	13.16	H
	3759	-57.07	-13	-44.07	-69.33	2.64	14.90	V
	5640	-54.91	-13	-41.91	-66.77	2.94	14.80	V
	7524	-51.80	-13	-38.80	-61.57	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	-63.79	-13	-50.79	-70.76	1.58	10.70	H
	2510	-58.64	-13	-45.64	-66.89	2.102	12.50	H
	3348	-59.70	-13	-46.70	-68.59	2.856	13.90	H
	1672	-62.83	-13	-49.83	-69.80	1.58	10.70	V
	2510	-49.43	-13	-36.43	-57.68	2.10	12.50	V
	3348	-59.73	-13	-46.73	-68.62	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	-56.78	-13	-43.78	-69.04	2.64	14.90	H
	5640	-54.03	-13	-41.03	-65.89	2.94	14.80	H
	7524	-51.92	-13	-38.92	-61.69	3.39	13.16	H
	3759	-56.57	-13	-43.57	-68.83	2.64	14.90	V
	5640	-54.88	-13	-41.88	-66.74	2.94	14.80	V
	7524	-51.68	-13	-38.68	-61.45	3.39	13.16	V

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