



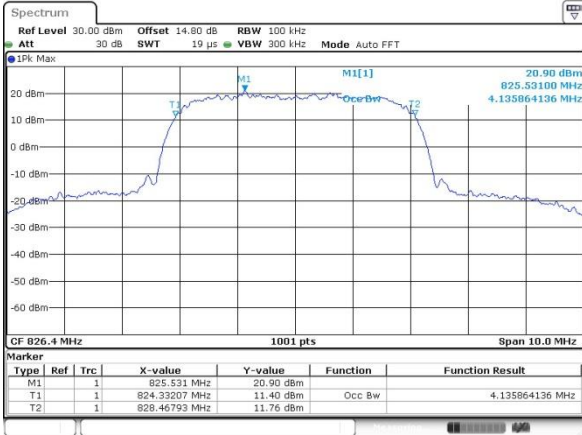
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.14	4.20	4.14
Middle CH	4.15	4.20	4.14
Highest CH	4.15	4.22	4.14



WCDMA Band V (RMC 12.2Kbps)

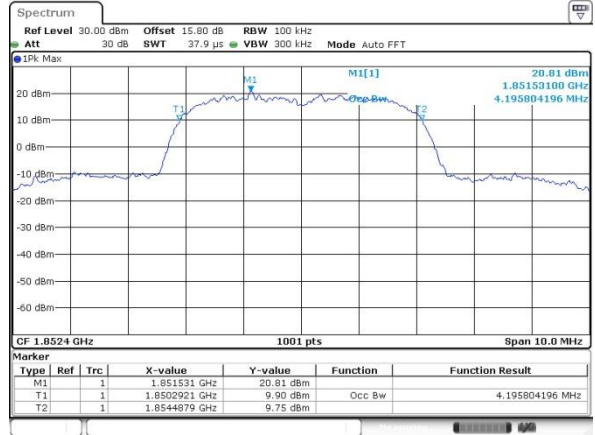
Lowest Channel



Date: 11 AUG 2021 05:13:18

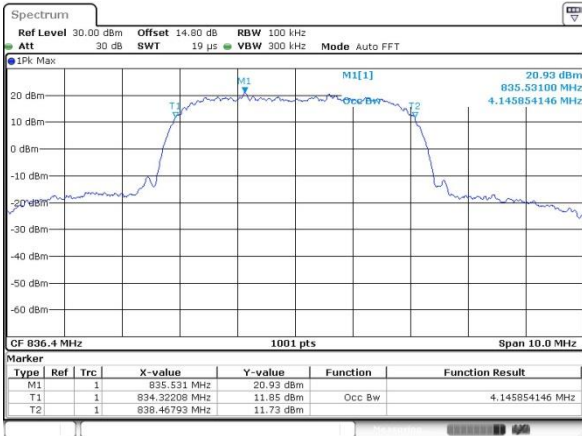
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



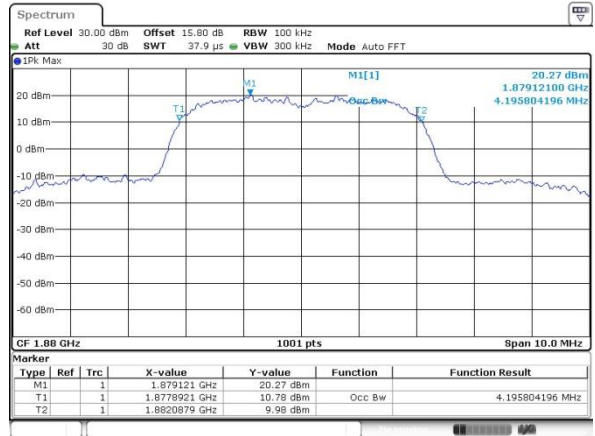
Date: 19.AUG.2021 11:17:32

Middle Channel



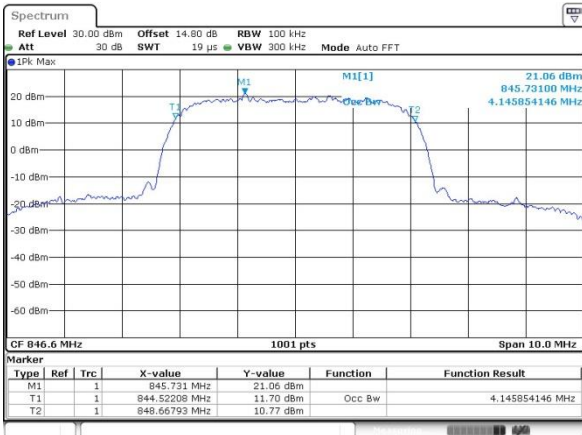
Date: 11 AUG 2021 05:13:49

Middle Channel



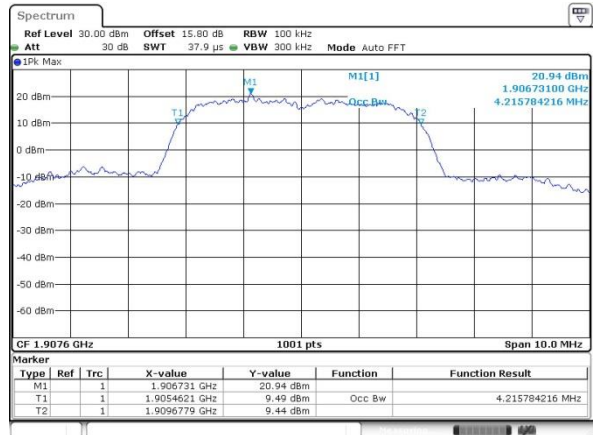
Date: 19.AUG.2021 11:17:49

Highest Channel

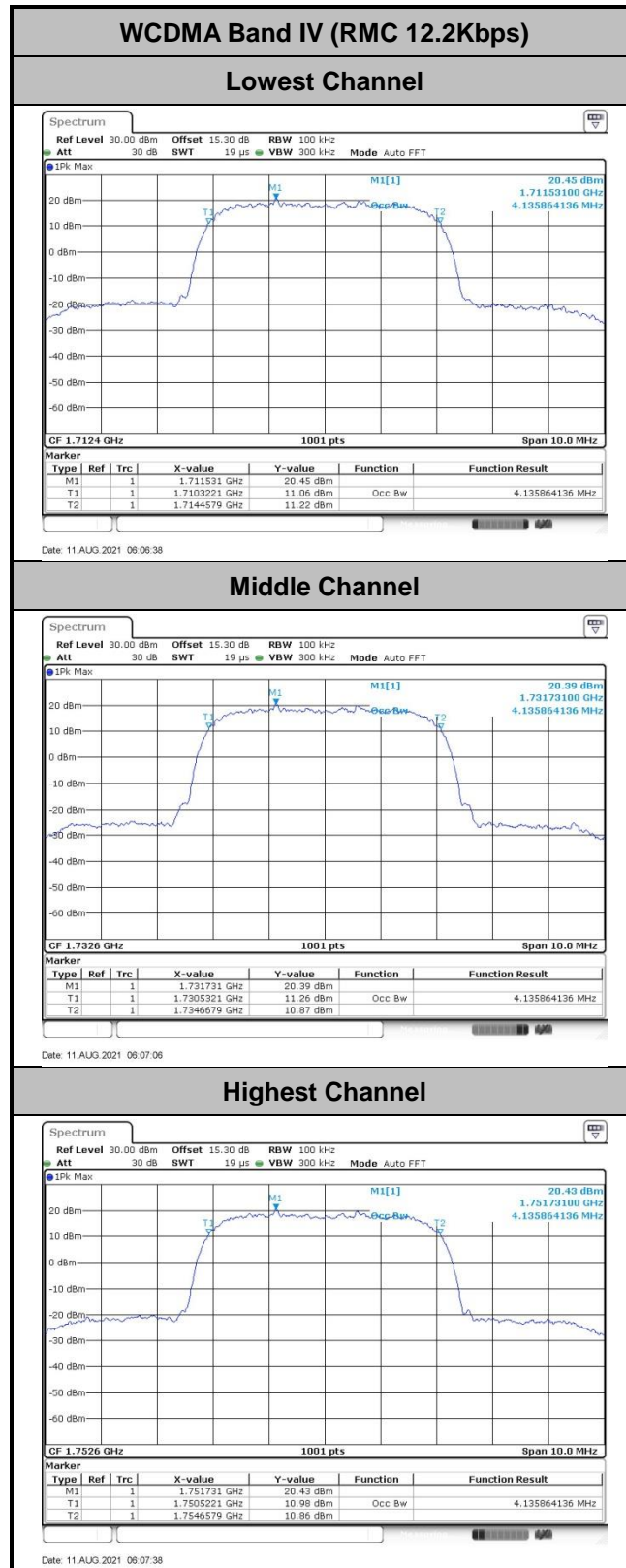


Date: 11 AUG 2021 05:14:16

Highest Channel



Date: 19.AUG.2021 11:18:05

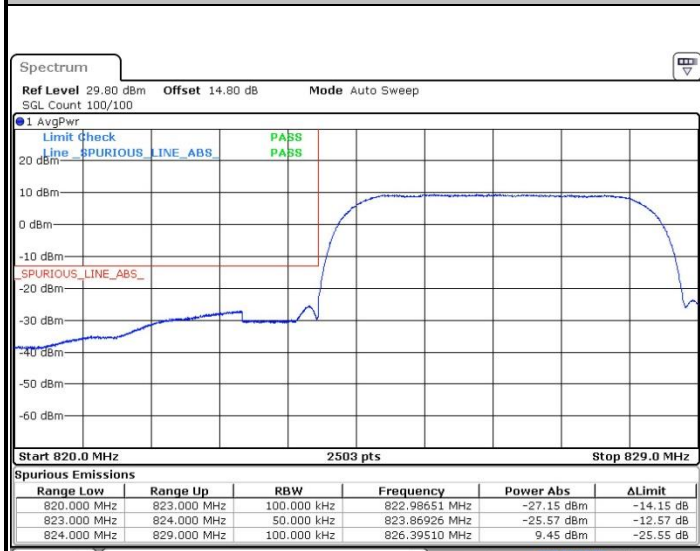




Conducted Band Edge

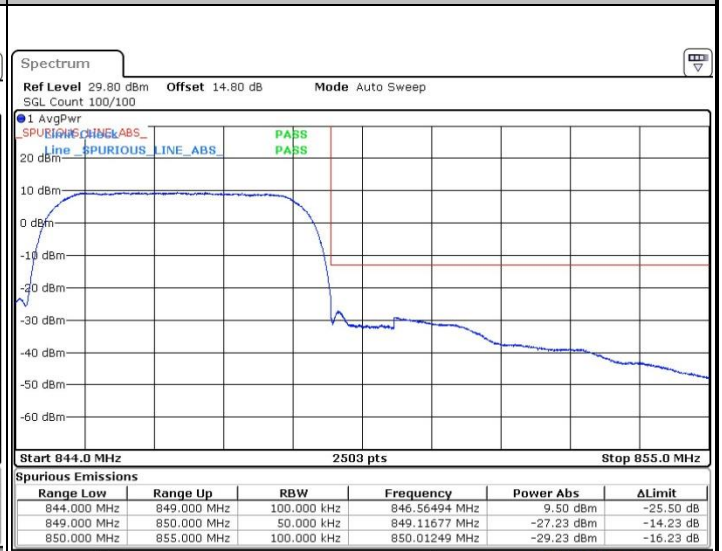
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 11.AUG.2021 05:15:08

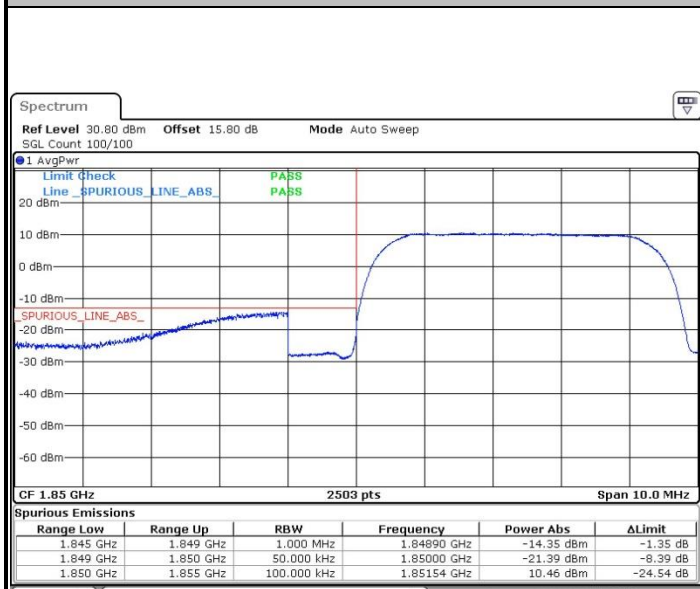
Highest Band Edge



Date: 11.AUG.2021 05:15:53

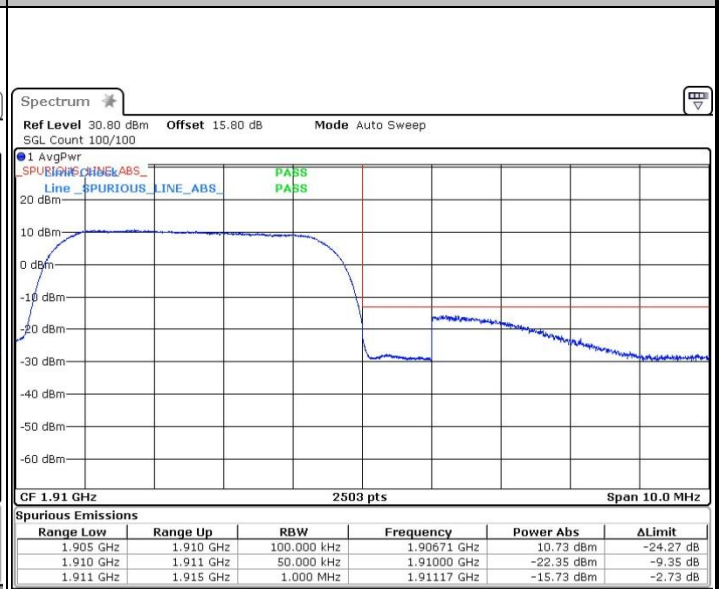
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

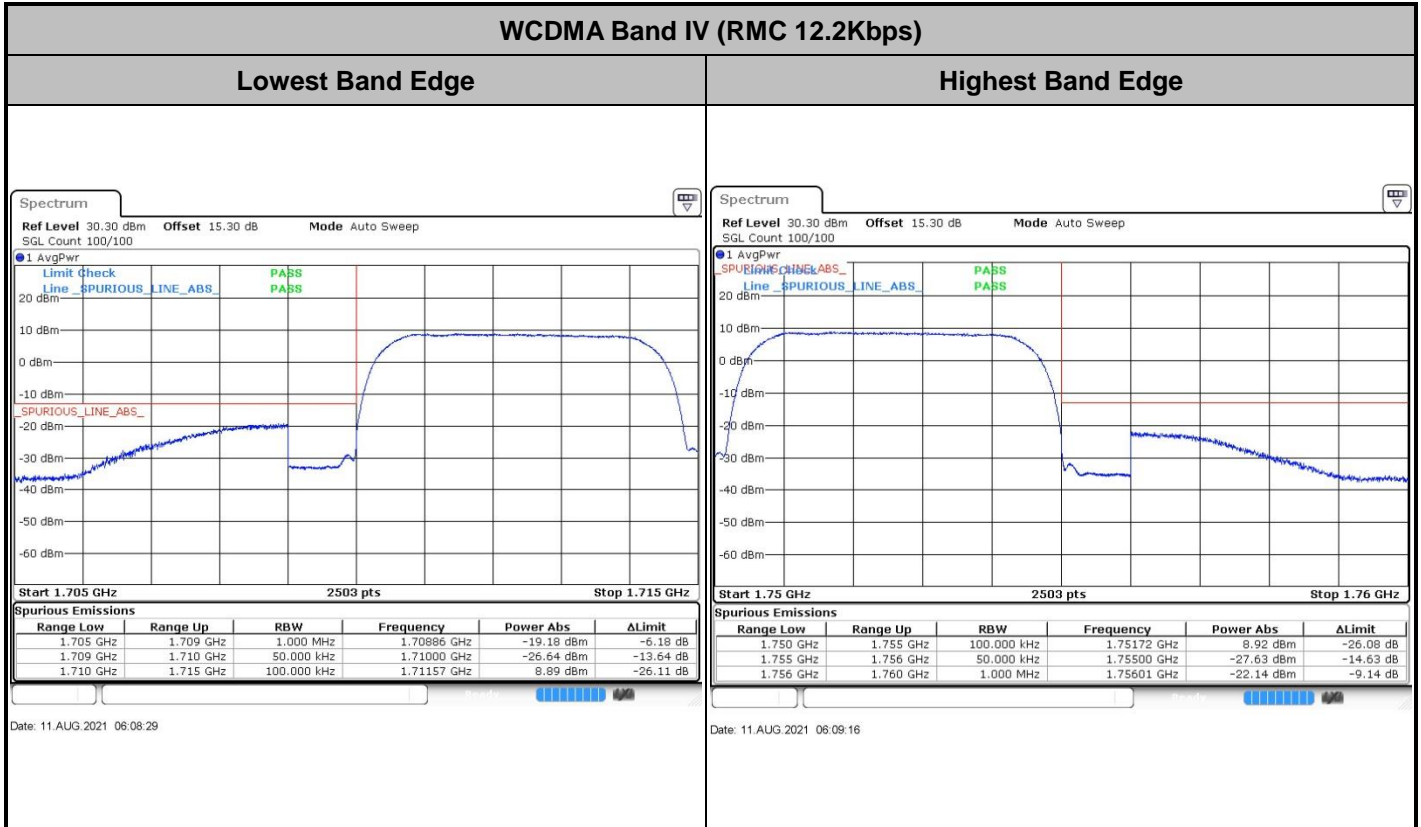


Date: 19.AUG.2021 13:40:17

Highest Band Edge

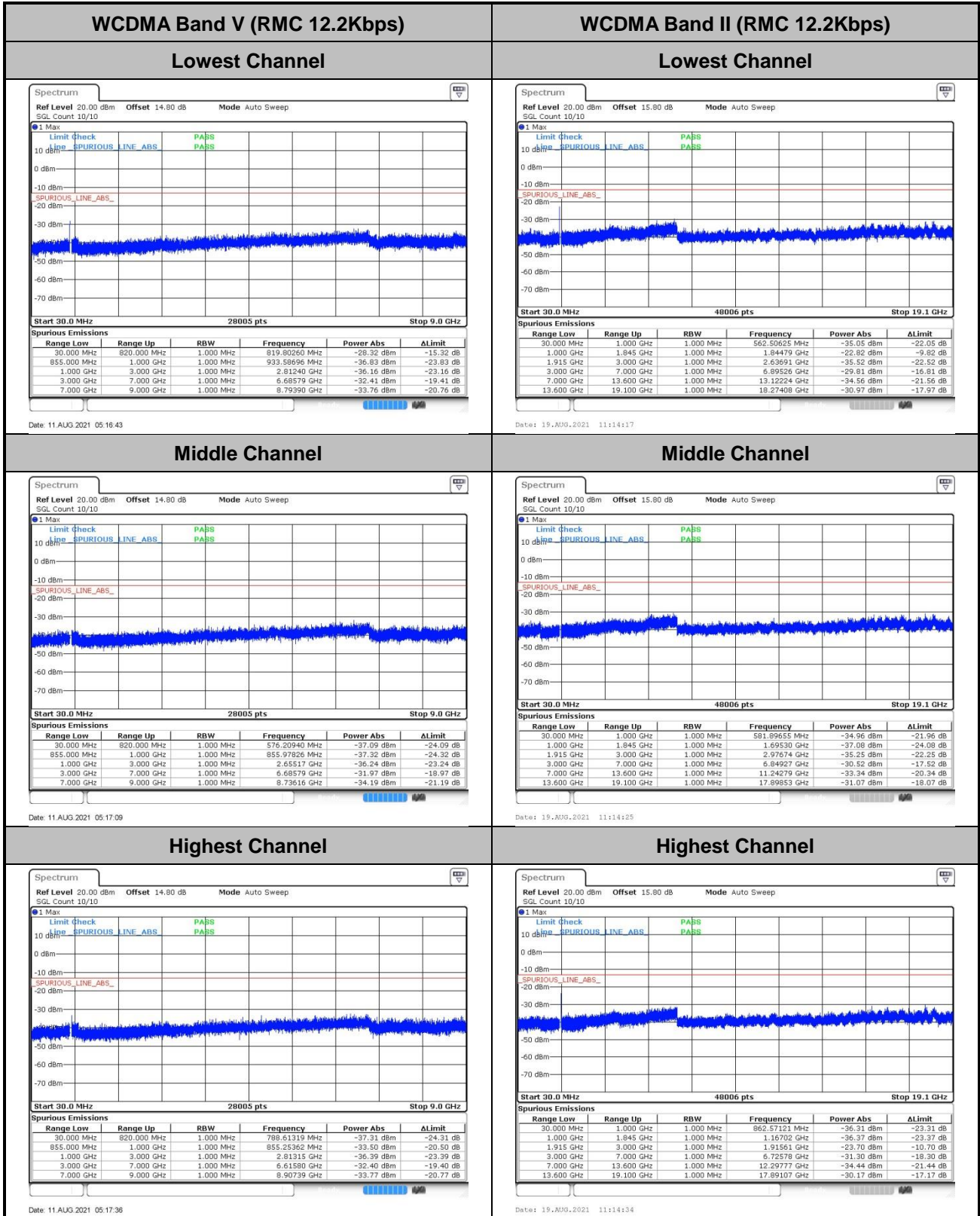


Date: 19.AUG.2021 13:41:11





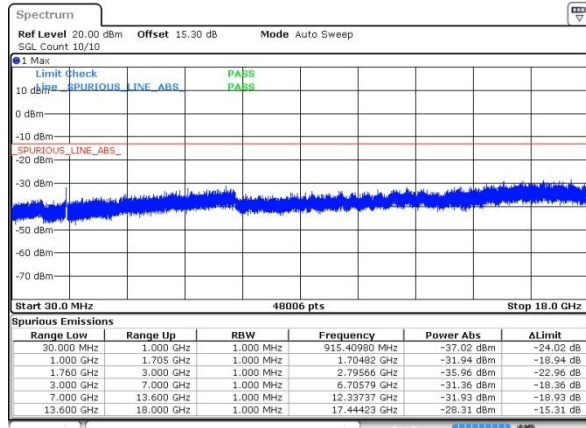
Conducted Spurious Emission





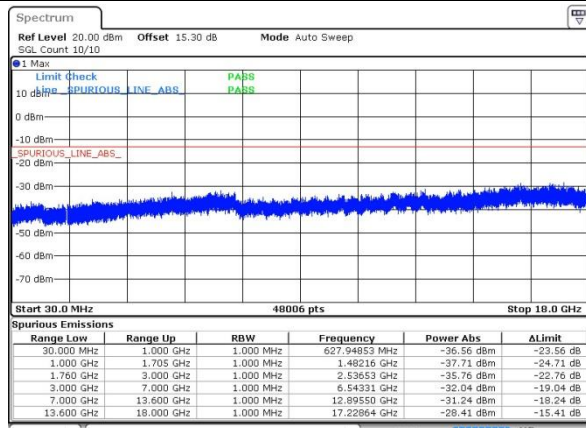
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



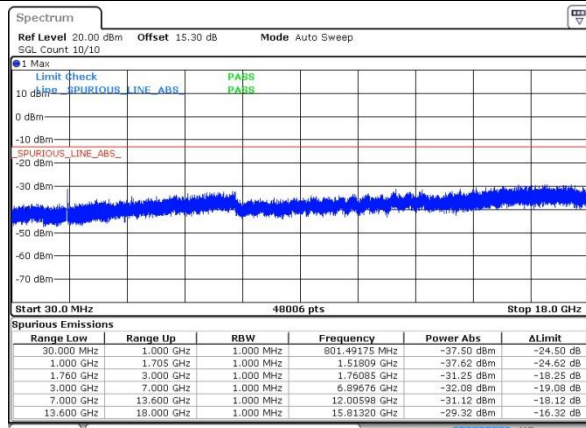
Date: 11.AUG.2021 06:09:53

Middle Channel



Date: 11.AUG.2021 06:10:18

Highest Channel



Date: 11.AUG.2021 06:10:44



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	0.0057	PASS
40	Normal Voltage	0.0369	
30	Normal Voltage	0.0468	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0359	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0156	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0421	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0068	

Note: Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0171	PASS
40	Normal Voltage	0.0138	
30	Normal Voltage	0.0146	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0158	
0	Normal Voltage	0.0142	
-10	Normal Voltage	0.0257	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0164	
20	Maximum Voltage	0.0158	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0157	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0177	
-20	Normal Voltage	0.0156	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0123	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45V
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

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

GSM850 (GSM) for Antenna 0								
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	-53.72	-13	-40.72	-60.69	1.58	10.70	H
	2508	-47.73	-13	-34.73	-56.22	1.86	12.50	H
	3348	-60.35	-13	-47.35	-69.89	2.21	13.90	H
	1672	-54.32	-13	-41.32	-61.29	1.58	10.70	V
	2508	-47.94	-13	-34.94	-56.43	1.86	12.50	V
	3348	-60.65	-13	-47.65	-70.19	2.21	13.90	V

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

GSM850 (EDGE 1 Tx slots) for Antenna 0								
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	-51.71	-13	-38.71	-58.68	1.58	10.70	H
	2508	-46.86	-13	-33.86	-55.35	1.86	12.50	H
	3348	-60.35	-13	-47.35	-69.89	2.21	13.90	H
	1672	-51.99	-13	-38.99	-58.96	1.58	10.70	V
	2508	-49.32	-13	-36.32	-57.81	1.86	12.50	V
	3348	-60.45	-13	-47.45	-69.99	2.21	13.90	V

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

GSM1900 (GSM) for Antenna 2								
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	-56.81	-13	-43.81	-69.07	2.64	14.90	H
	5640	-54.23	-13	-41.23	-66.09	2.94	14.80	H
	7524	-52.52	-13	-39.52	-62.29	3.39	13.16	H
	3759	-56.67	-13	-43.67	-68.93	2.64	14.90	V
	5640	-55.49	-13	-42.49	-67.35	2.94	14.80	V
	7524	-52.47	-13	-39.47	-62.24	3.39	13.16	V

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



GSM1900 (EDGE 1 Tx slots) for Antenna 2								
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	-56.53	-13	-43.53	-68.79	2.64	14.90	H
	5640	-54.35	-13	-41.35	-66.21	2.94	14.80	H
	7524	-52.36	-13	-39.36	-62.13	3.39	13.16	H
	3759	-56.44	-13	-43.44	-68.70	2.64	14.90	V
	5640	-55.42	-13	-42.42	-67.28	2.94	14.80	V
	7524	-52.76	-13	-39.76	-62.53	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) for Antenna 0								
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	-60.27	-13	-47.27	-67.24	1.58	10.70	H
	2508	-54.92	-13	-41.92	-63.41	1.86	12.50	H
	3348	-60.50	-13	-47.50	-70.04	2.21	13.90	H
	1672	-58.40	-13	-45.40	-65.37	1.58	10.70	V
	2508	-52.41	-13	-39.41	-60.90	1.86	12.50	V
	3348	-60.54	-13	-47.54	-70.08	2.21	13.90	V

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

WCDMA Band II(RMC 12.2Kbps) for Antenna 4								
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	-56.64	-13	-43.64	-68.90	2.64	14.90	H
	5640	-54.22	-13	-41.22	-66.08	2.94	14.80	H
	7524	-52.81	-13	-39.81	-62.58	3.39	13.16	H
	3759	-56.37	-13	-43.37	-68.63	2.64	14.90	V
	5640	-54.73	-13	-41.73	-66.59	2.94	14.80	V
	7524	-52.10	-13	-39.10	-61.87	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) for Antenna 4								
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	-57.65	-13	-44.65	-68.39	2.604	13.34	H
	5199	-54.31	-13	-41.31	-64.82	3.011	13.52	H
	6936	-54.54	-13	-41.54	-64.74	3.271	13.47	H
	3465	-58.28	-13	-45.28	-69.02	2.604	13.34	V
	5199	-54.33	-13	-41.33	-64.84	3.011	13.52	V
	6936	-54.25	-13	-41.25	-64.45	3.271	13.47	V

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