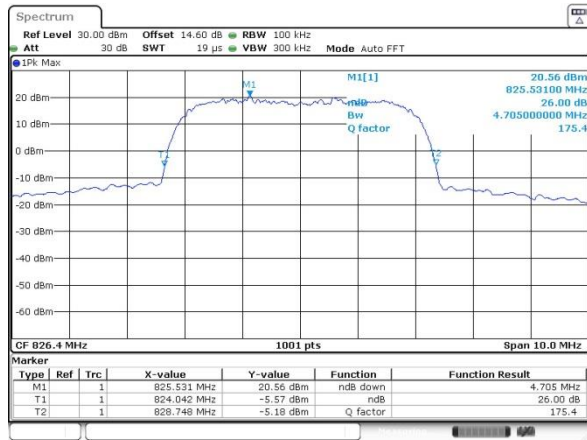




WCDMA Band V (RMC 12.2Kbps)

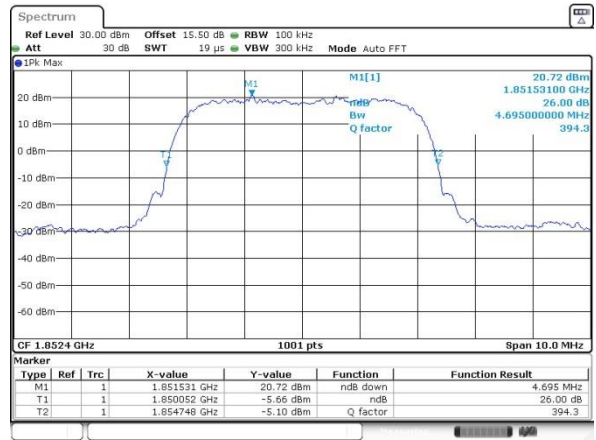
Lowest Channel



Date: 3 DEC 2021 13:58:05

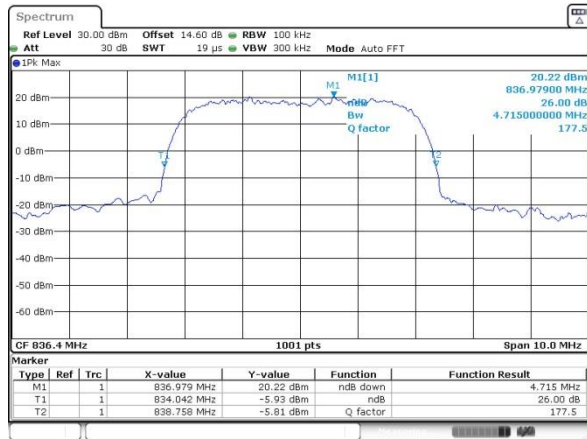
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



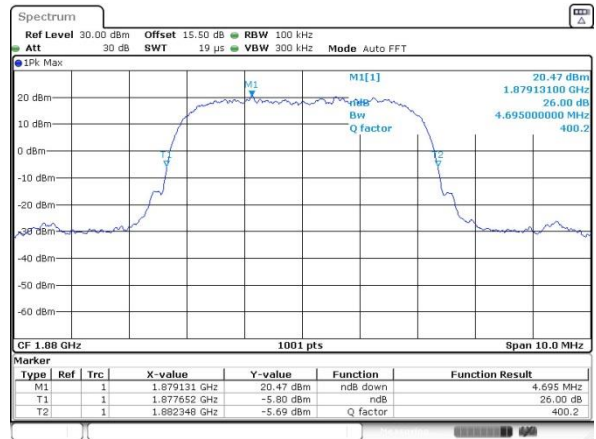
Date: 3 DEC 2021 13:07:36

Middle Channel



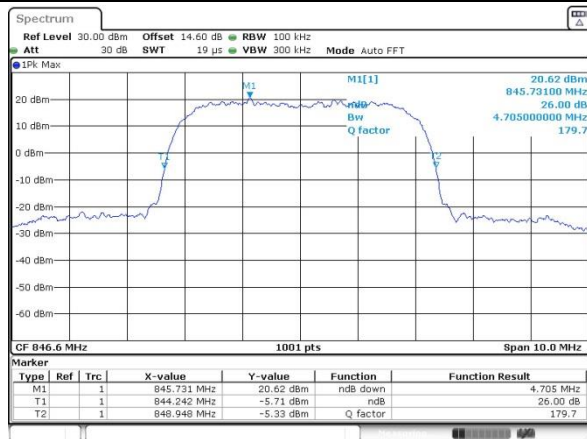
Date: 3 DEC 2021 13:59:07

Middle Channel



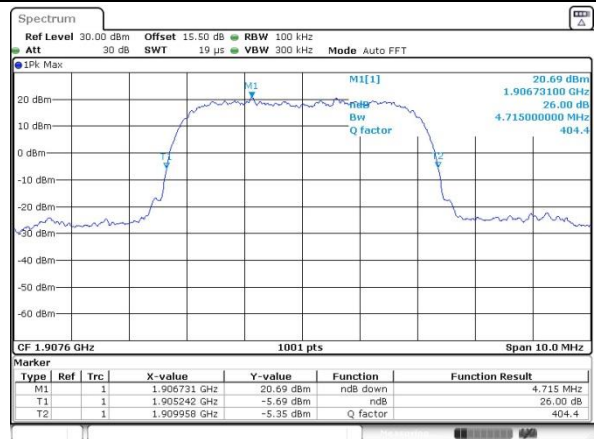
Date: 3 DEC 2021 13:08:06

Highest Channel



Date: 3 DEC 2021 13:59:55

Highest Channel

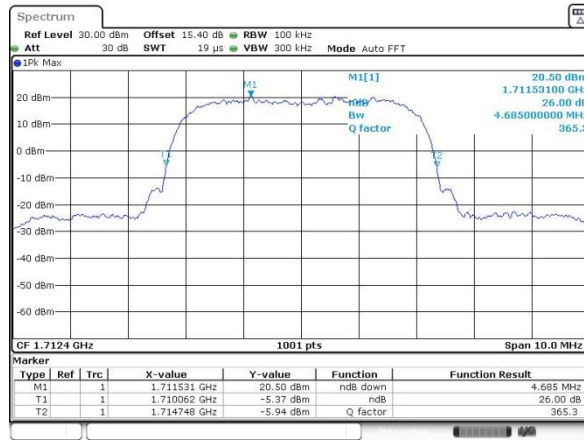


Date: 3 DEC 2021 13:08:35



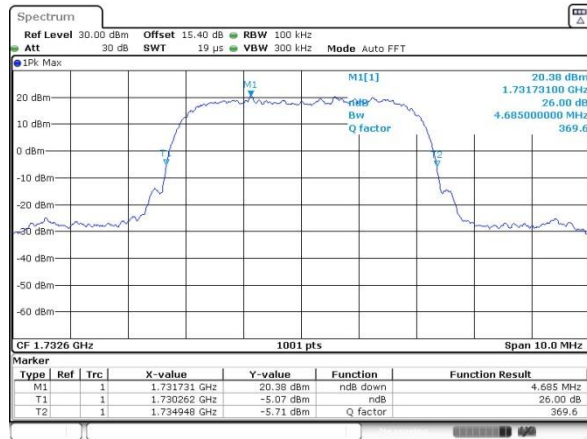
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



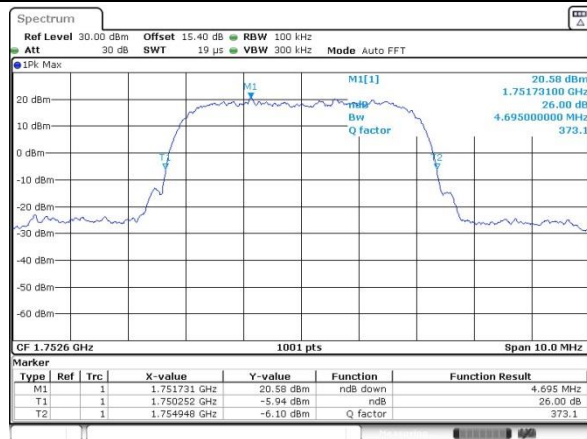
Date: 3 DEC 2021 13:38:30

Middle Channel



Date: 3 DEC 2021 13:39:02

Highest Channel



Date: 3 DEC 2021 13:39:28



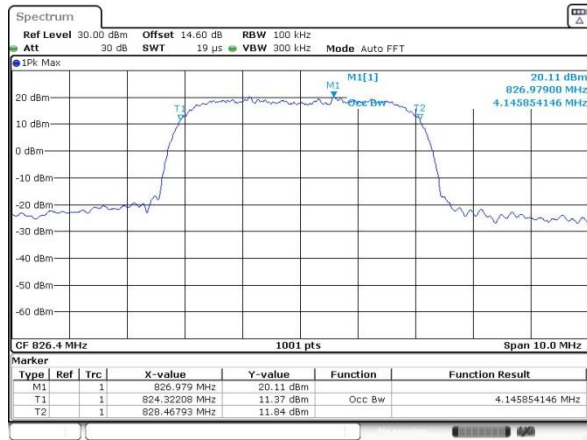
Occupied Bandwidth

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	4.16
Middle CH	4.16	4.16	4.15
Highest CH	4.16	4.16	4.16



WCDMA Band V (RMC 12.2Kbps)

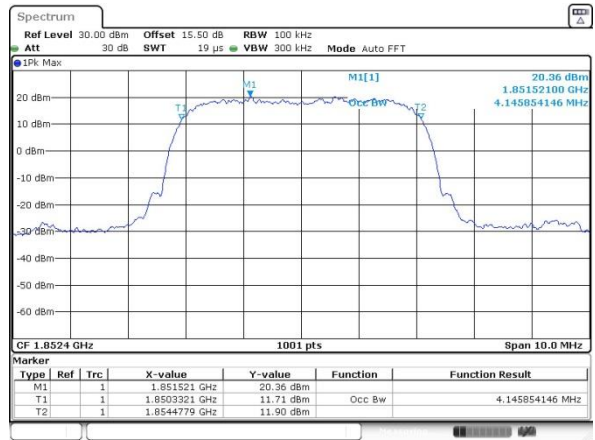
Lowest Channel



Date: 3 DEC 2021 14:01:10

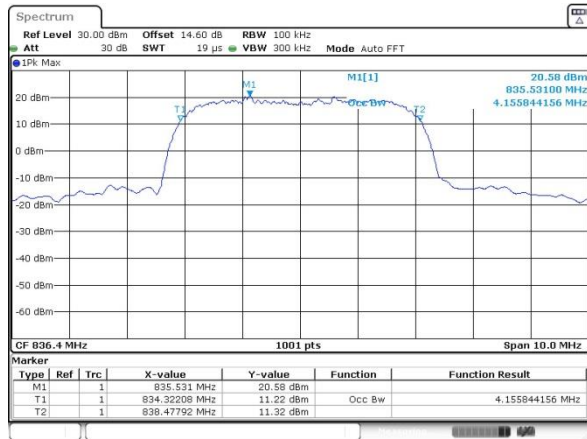
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



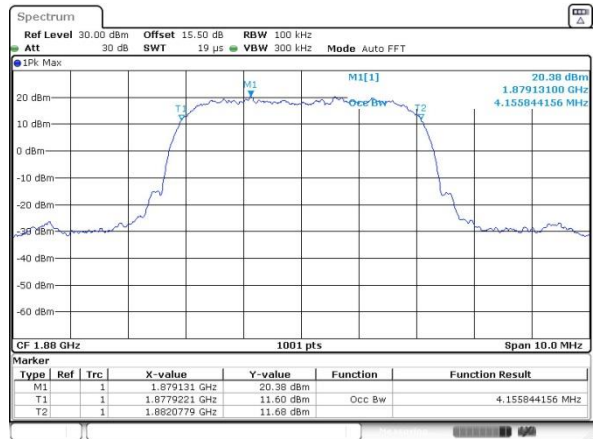
Date: 3 DEC 2021 12:57:20

Middle Channel



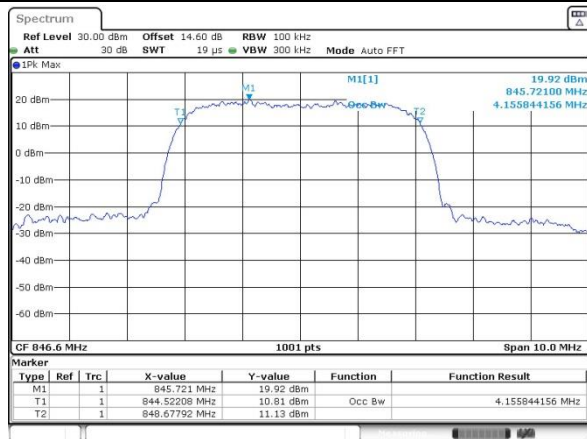
Date: 3 DEC 2021 14:01:32

Middle Channel



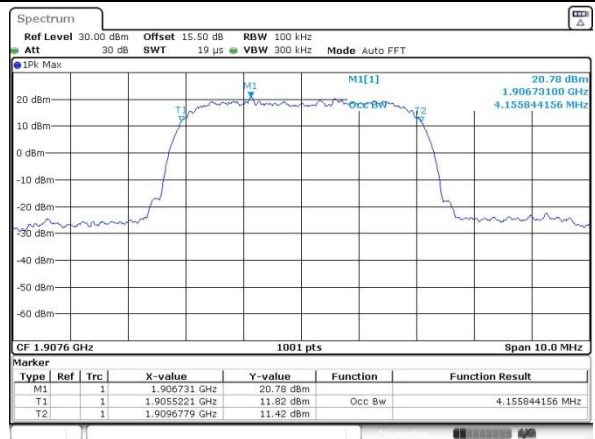
Date: 3 DEC 2021 12:57:49

Highest Channel



Date: 3 DEC 2021 14:01:56

Highest Channel

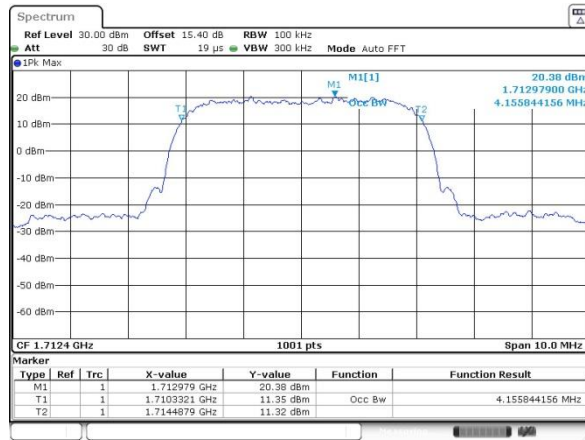


Date: 3 DEC 2021 12:58:17



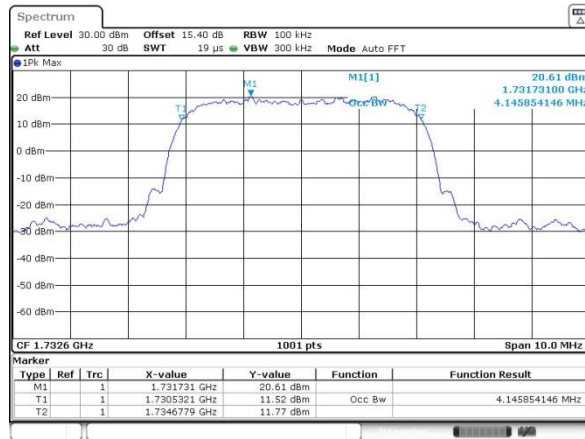
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



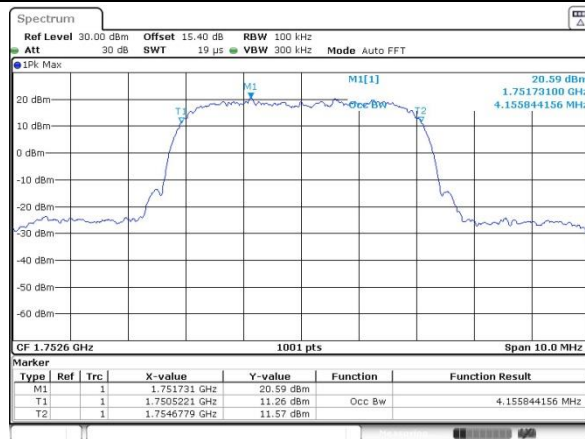
Date: 3 DEC 2021 13:43:23

Middle Channel

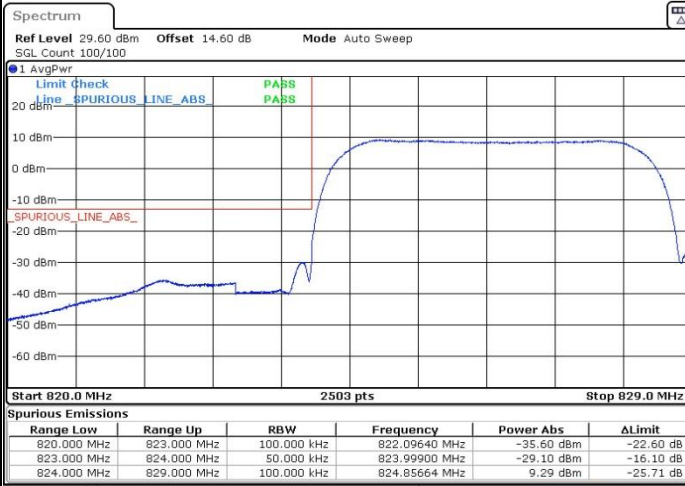


Date: 3 DEC 2021 13:43:48

Highest Channel



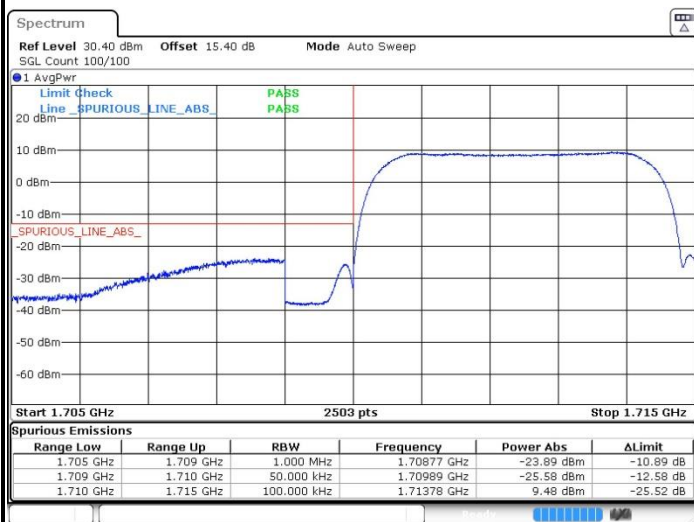
Date: 3 DEC 2021 13:44:09

**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**

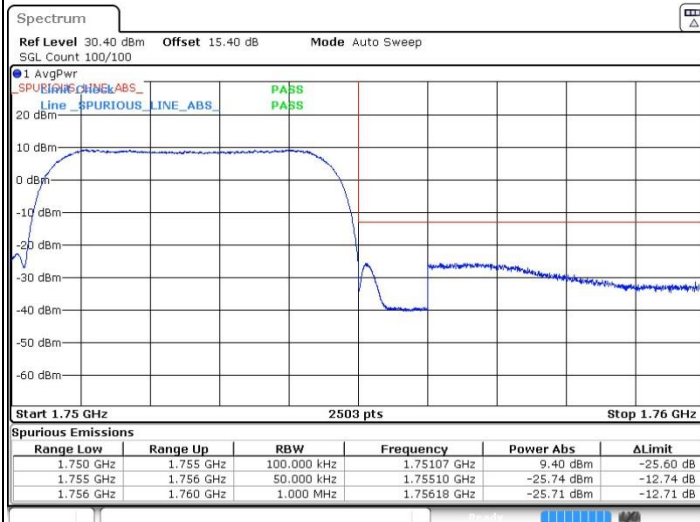


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

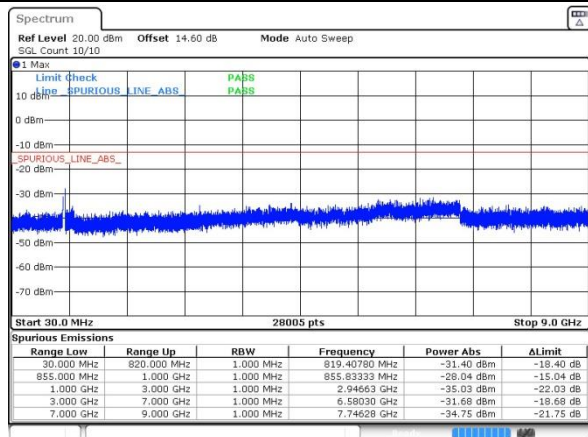




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

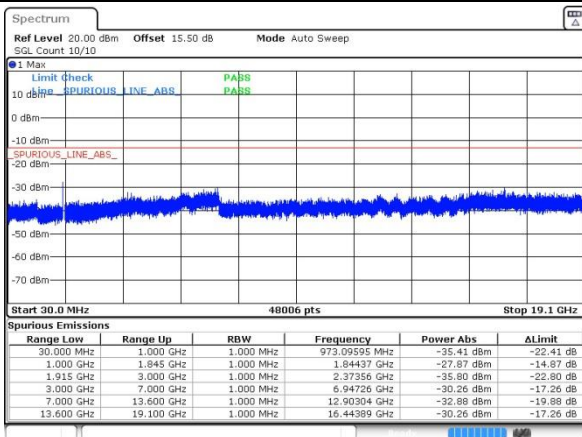
Lowest Channel



Date: 3 DEC 2021 14:08:15

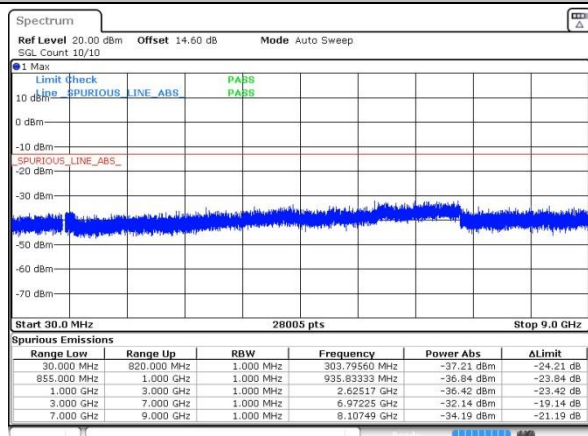
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



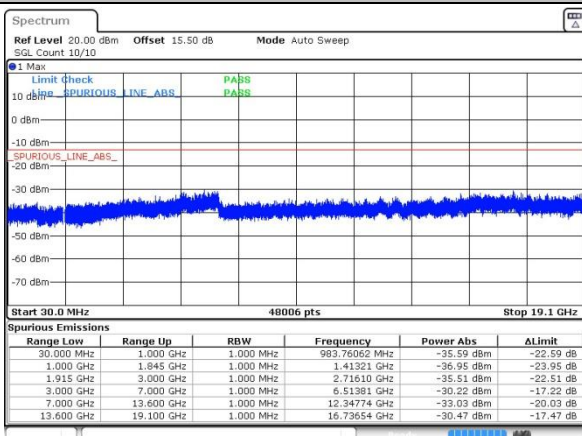
Date: 3 DEC 2021 12:59:53

Middle Channel



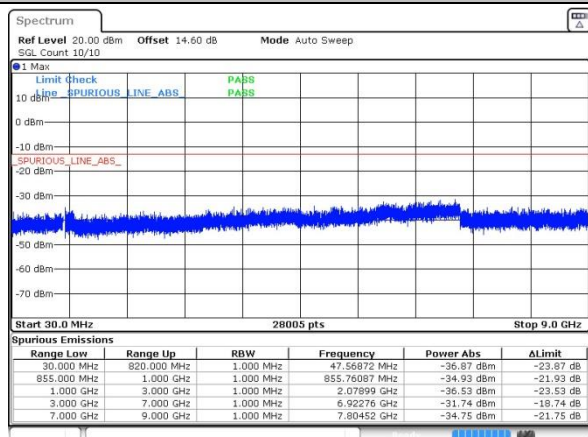
Date: 3 DEC 2021 14:09:22

Middle Channel



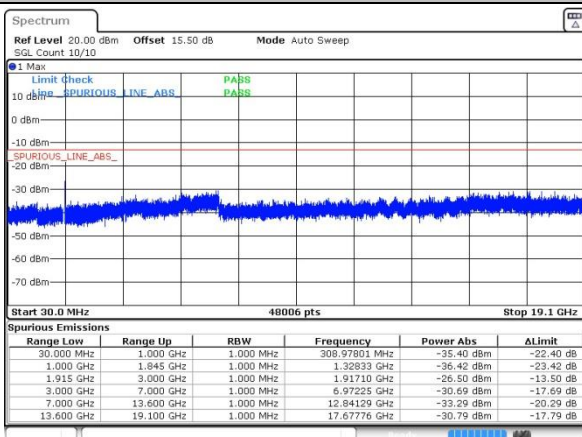
Date: 3 DEC 2021 13:01:08

Highest Channel



Date: 3 DEC 2021 14:10:24

Highest Channel

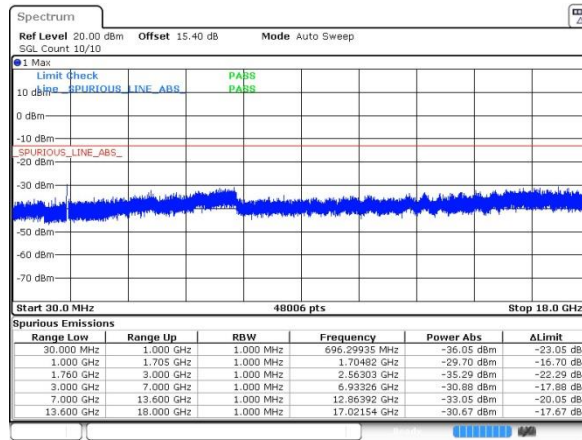


Date: 3 DEC 2021 13:02:32



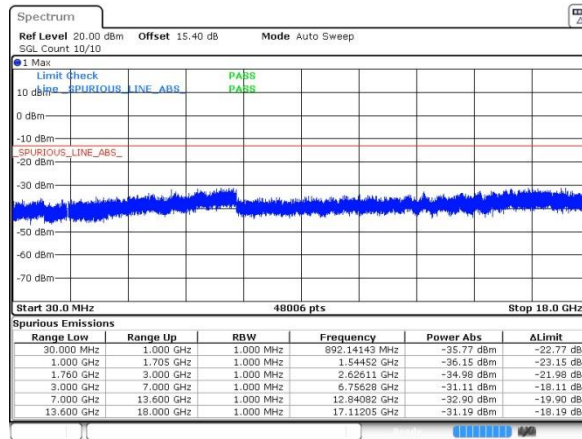
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



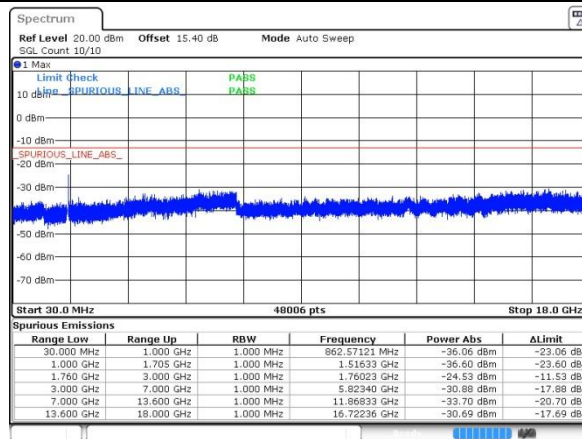
Date: 3 DEC 2021 13:50:10

Middle Channel



Date: 3 DEC 2021 13:51:12

Highest Channel



Date: 3 DEC 2021 13:52:20

**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	0.0061	PASS
40	Normal Voltage	0.0372	
30	Normal Voltage	0.0451	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0064	
0	Normal Voltage	0.0348	
-10	Normal Voltage	0.0067	
-20	Normal Voltage	0.0152	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0432	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0176	PASS
40	Normal Voltage	0.0128	
30	Normal Voltage	0.0137	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0156	
0	Normal Voltage	0.0141	
-10	Normal Voltage	0.0257	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0164	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	



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	0.0148	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0165	
-20	Normal Voltage	0.0152	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0122	

Note:

1. Normal Voltage = 3.87V ; 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

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

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

GSM850 (GSM) for Ant 1								
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	-55.78	-13	-42.78	-62.75	1.58	10.70	H
	2510	-50.29	-13	-37.29	-58.54	2.102	12.50	H
	3348	-55.09	-13	-42.09	-63.98	2.856	13.90	H
	1672	-51.70	-13	-38.70	-58.67	1.58	10.70	V
	2510	-46.68	-13	-33.68	-54.93	2.10	12.50	V
	3348	-57.16	-13	-44.16	-66.05	2.86	13.90	V

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

GSM850 (EDGE class 8) for Ant 1								
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	-59.16	-13	-46.16	-66.13	1.58	10.70	H
	2512	-36.75	-13	-23.75	-45.00	2.102	12.50	H
	3344	-59.02	-13	-46.02	-67.91	2.856	13.90	H
	1672	-55.67	-13	-42.67	-62.64	1.58	10.70	V
	2512	-33.76	-13	-20.76	-42.01	2.10	12.50	V
	3344	-55.76	-13	-42.76	-64.65	2.86	13.90	V

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



GSM1900 (GSM) for Ant 1								
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	3765	-57.46	-13	-44.46	-69.72	2.64	14.90	H
	5640	-53.62	-13	-40.62	-65.48	2.94	14.80	H
	7515	-54.31	-13	-41.31	-64.08	3.39	13.16	H
	3765	-54.99	-13	-41.99	-67.25	2.64	14.90	V
	5640	-49.68	-13	-36.68	-61.54	2.94	14.80	V
	7515	-54.18	-13	-41.18	-63.95	3.39	13.16	V

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

GSM1900 (EDGE class 8) for Ant 1								
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	3765	-58.16	-13	-45.16	-70.42	2.64	14.90	H
	5640	-52.32	-13	-39.32	-64.18	2.94	14.80	H
	7515	-54.98	-13	-41.98	-64.75	3.39	13.16	H
	3765	-55.36	-13	-42.36	-67.62	2.64	14.90	V
	5640	-51.20	-13	-38.20	-63.06	2.94	14.80	V
	7515	-54.90	-13	-41.90	-64.67	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 Ant 1								
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	-65.36	-13	-52.36	-72.33	1.58	10.70	H
	2512	-60.86	-13	-47.86	-69.11	2.102	12.50	H
	3344	-60.30	-13	-47.30	-69.19	2.856	13.90	H
	1672	-63.84	-13	-50.84	-70.81	1.58	10.70	V
	2512	-60.21	-13	-47.21	-68.46	2.10	12.50	V
	3344	-60.53	-13	-47.53	-69.42	2.86	13.90	V

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

WCDMA Band IV(RMC 12.2Kbps) for Ant 1								
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	-59.14	-13	-46.14	-69.88	2.604	13.34	H
	5190	-57.40	-13	-44.40	-67.91	3.011	13.52	H
	6930	-55.82	-13	-42.82	-66.02	3.271	13.47	H
	3465	-59.38	-13	-46.38	-70.12	2.604	13.34	V
	5190	-57.45	-13	-44.45	-67.96	3.011	13.52	V
	6930	-56.03	-13	-43.03	-66.23	3.271	13.47	V

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

WCDMA Band II(RMC 12.2Kbps) for Ant 1								
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	3765	-57.99	-13	-44.99	-70.25	2.64	14.90	H
	5640	-56.48	-13	-43.48	-68.34	2.94	14.80	H
	7515	-54.30	-13	-41.30	-64.07	3.39	13.16	H
	3765	-57.40	-13	-44.40	-69.66	2.64	14.90	V
	5640	-56.63	-13	-43.63	-68.49	2.94	14.80	V
	7515	-54.47	-13	-41.47	-64.24	3.39	13.16	V

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