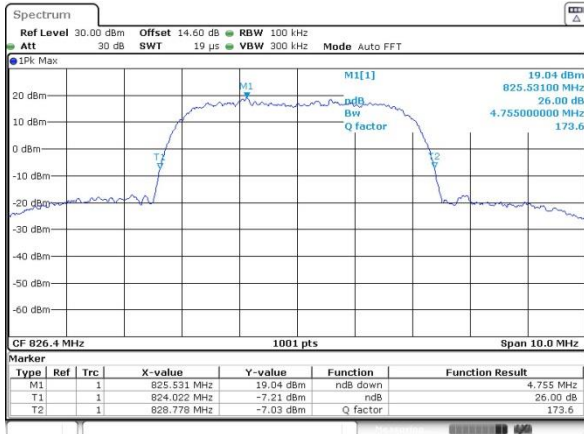




WCDMA Band V (RMC 12.2Kbps)

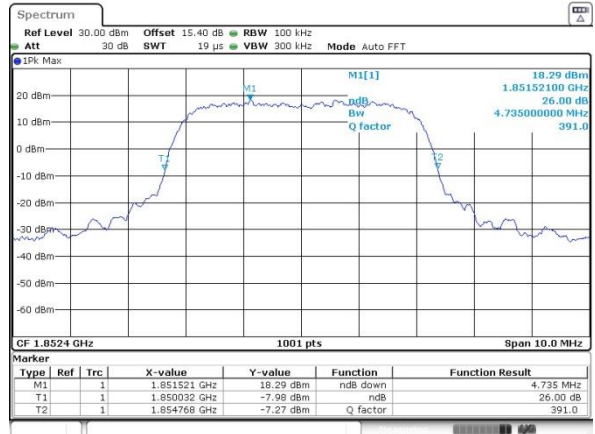
Lowest Channel



Date: 30.NOV.2023 18:41:27

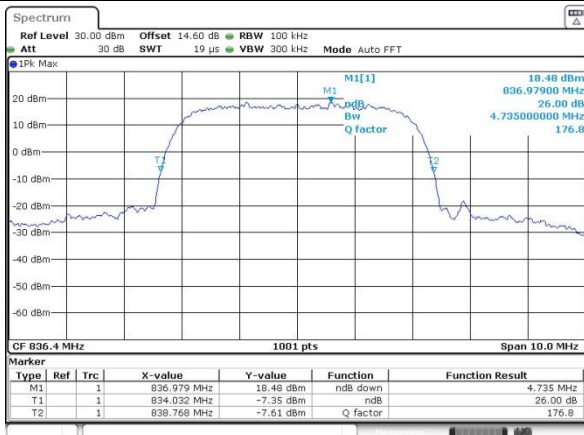
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



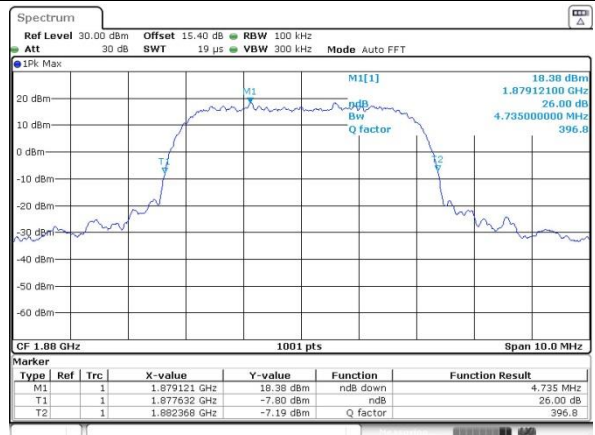
Date: 30.NOV.2023 17:57:50

Middle Channel



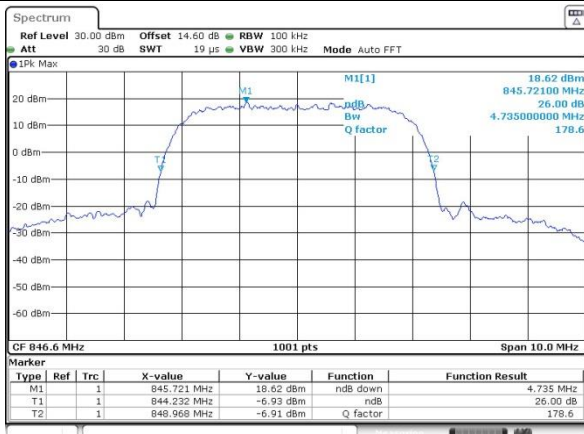
Date: 30.NOV.2023 18:41:50

Middle Channel



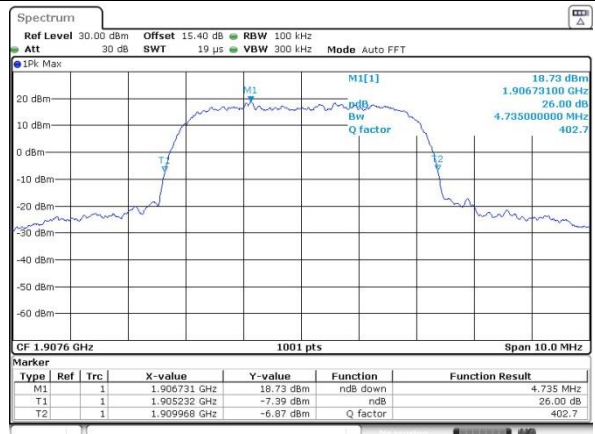
Date: 30.NOV.2023 17:58:08

Highest Channel

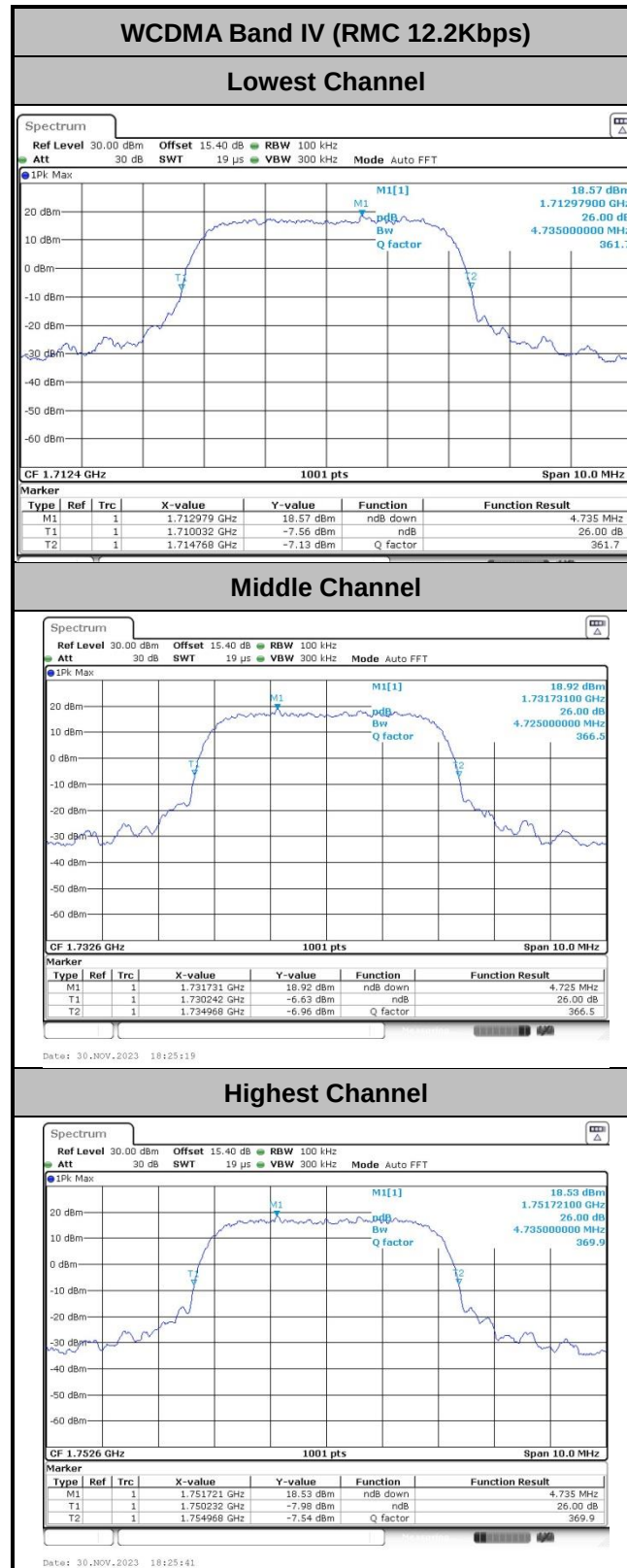


Date: 30.NOV.2023 18:42:13

Highest Channel



Date: 30.NOV.2023 17:58:31





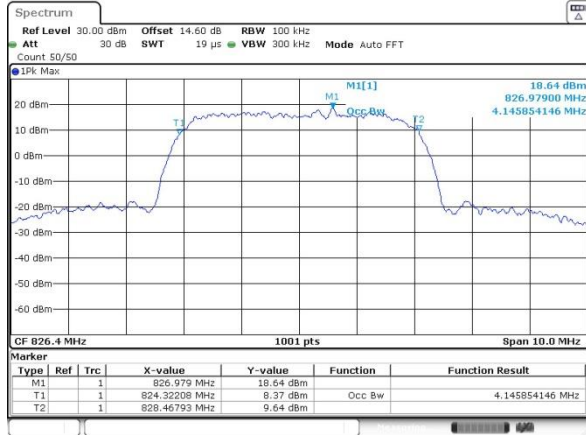
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.146	4.156	4.156
Middle CH	4.126	4.146	4.156
Highest CH	4.136	4.146	4.156



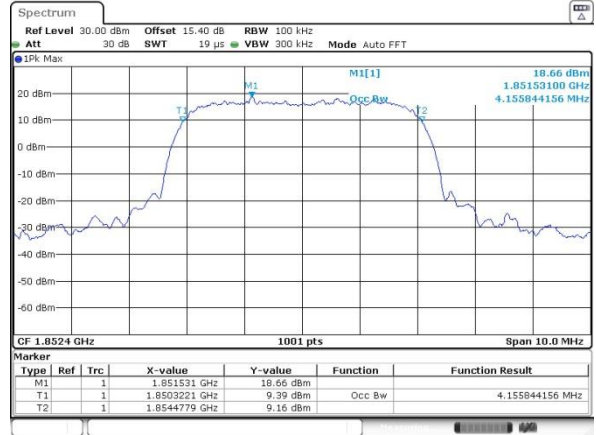
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

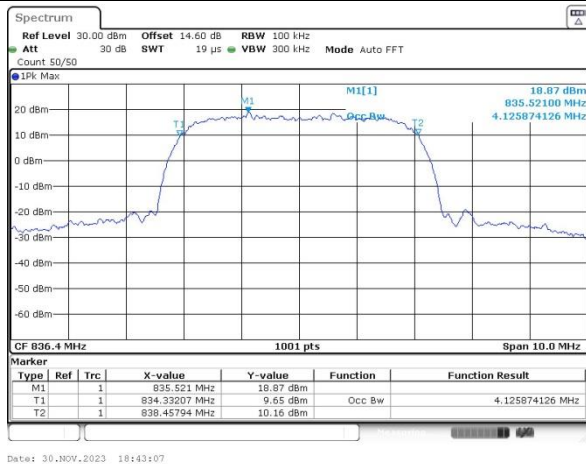


WCDMA Band II (RMC 12.2Kbps)

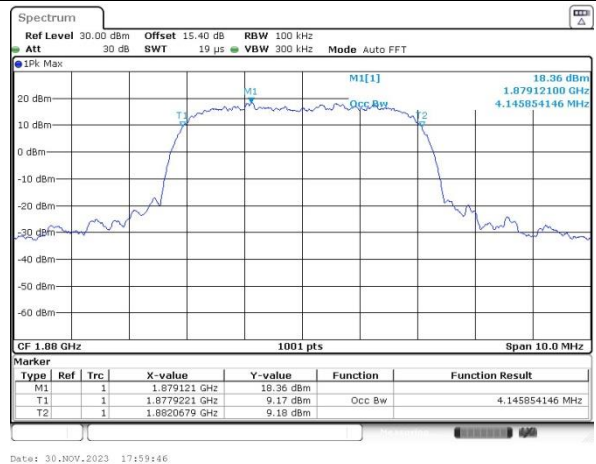
Lowest Channel



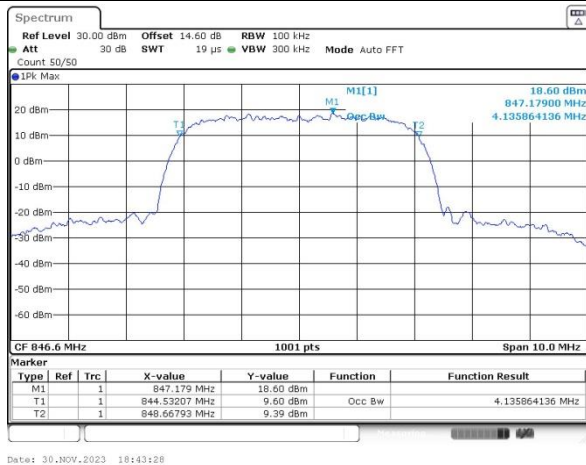
Middle Channel



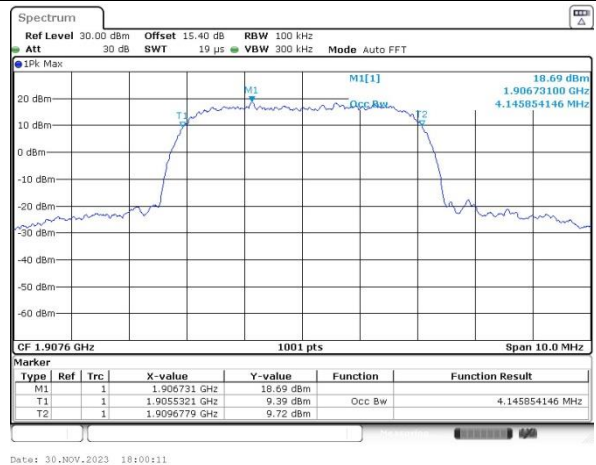
Middle Channel



Highest Channel



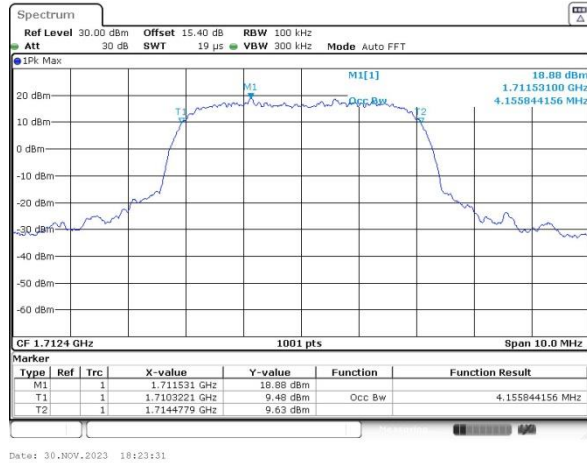
Highest Channel



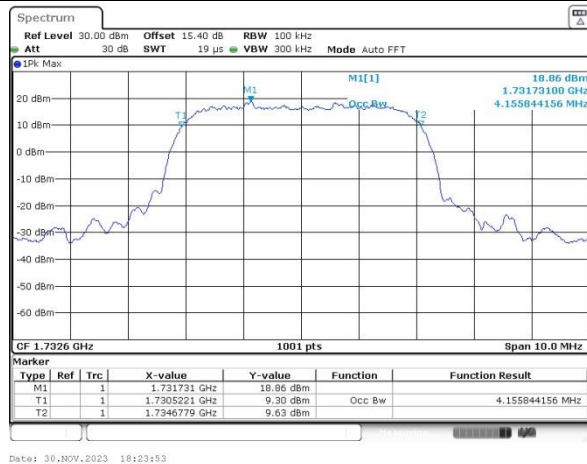


WCDMA Band IV (RMC 12.2Kbps)

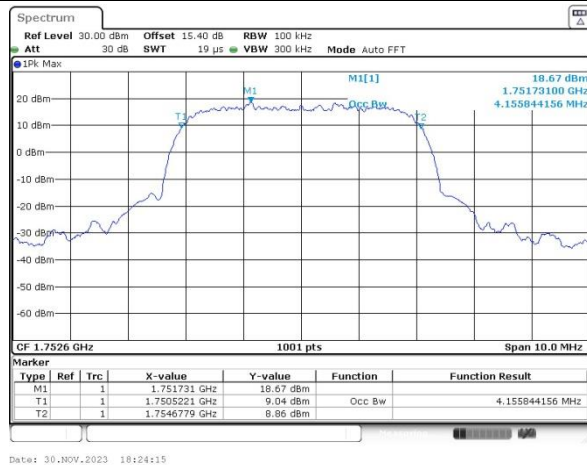
Lowest Channel



Middle Channel



Highest Channel

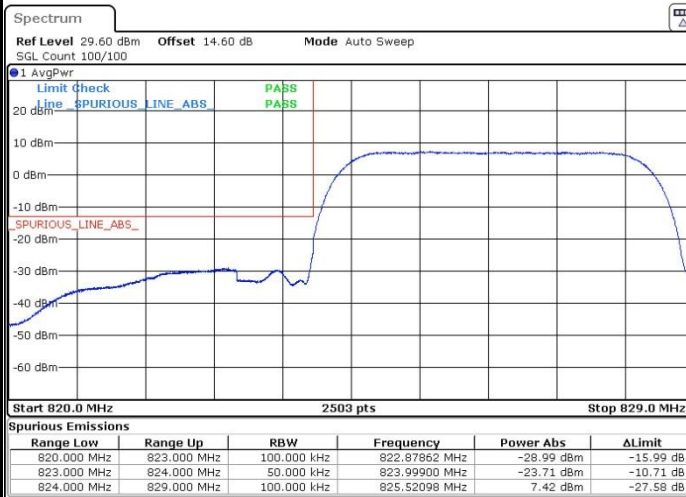




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

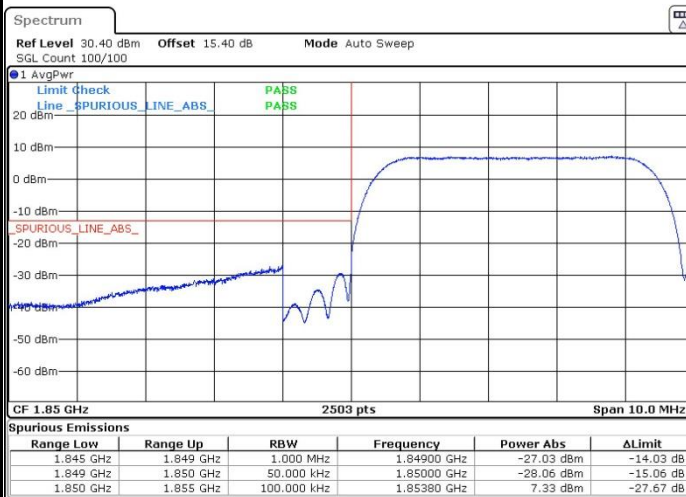


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

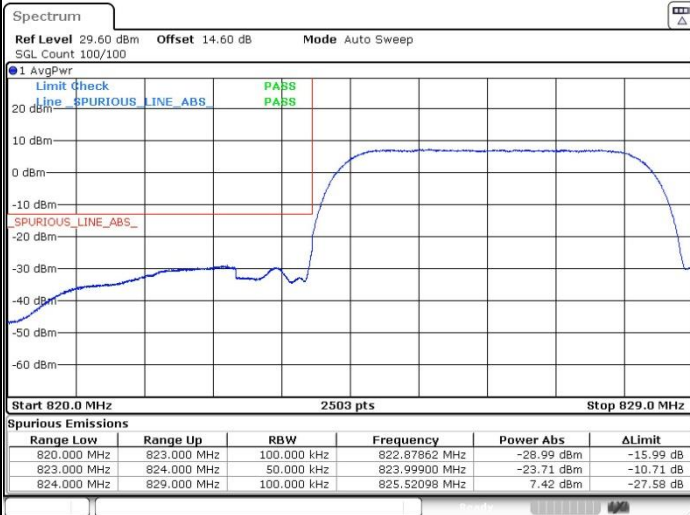




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

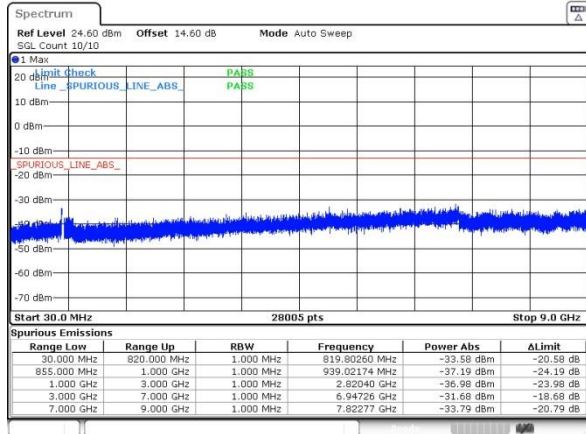




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

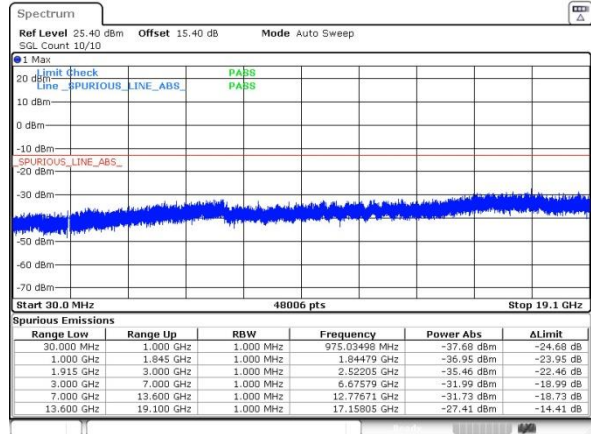
Lowest Channel



Date: 30.NOV.2023 18:38:28

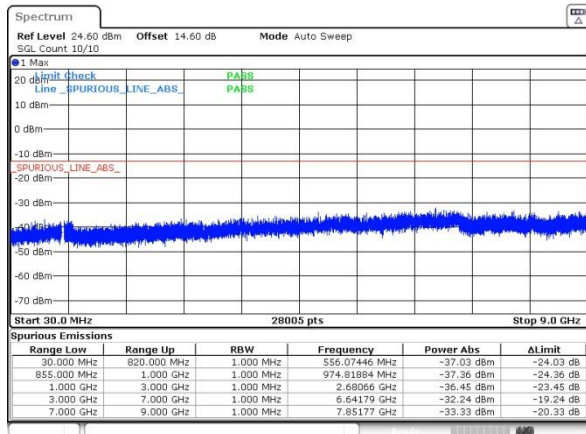
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



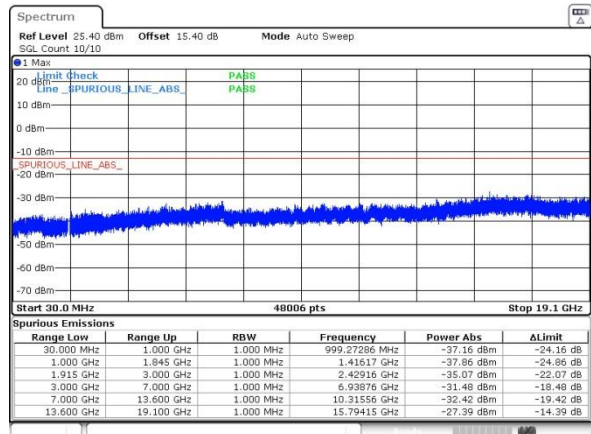
Date: 30.NOV.2023 18:10:55

Middle Channel



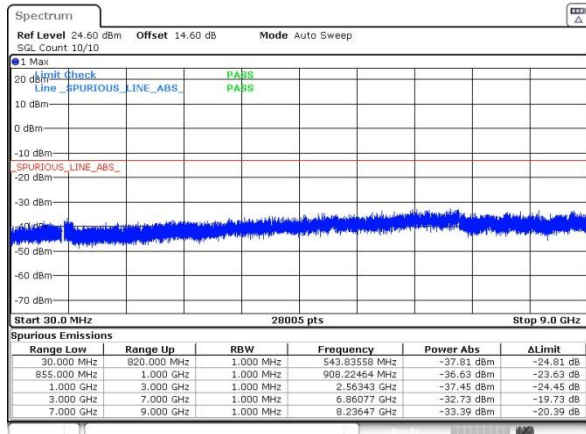
Date: 30.NOV.2023 18:38:53

Middle Channel



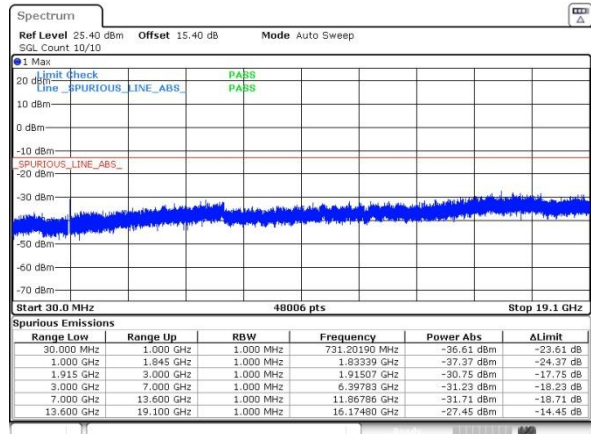
Date: 30.NOV.2023 18:12:00

Highest Channel



Date: 30.NOV.2023 18:39:12

Highest Channel

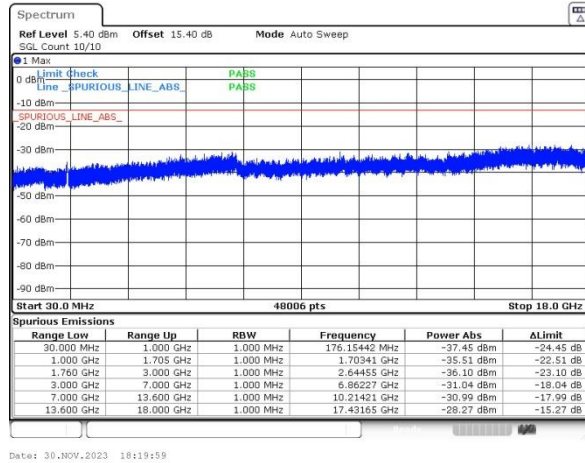


Date: 30.NOV.2023 18:13:04

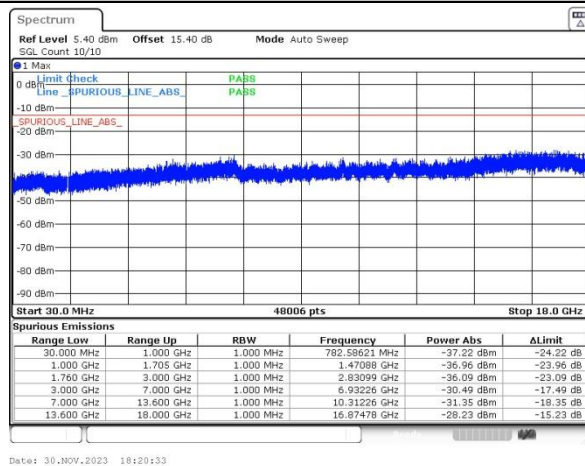


WCDMA Band IV (RMC 12.2Kbps)

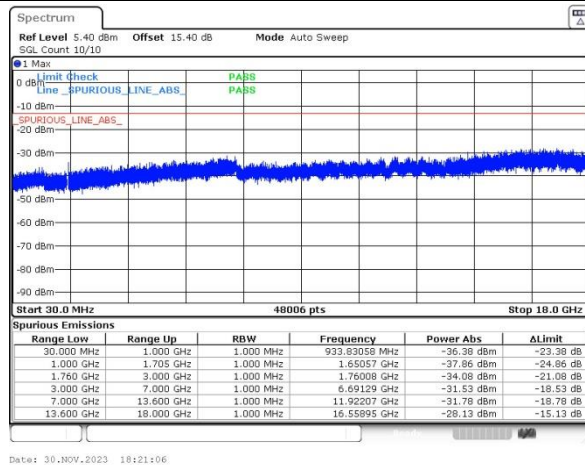
Lowest Channel



Middle Channel



Highest Channel



**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	0.0042	PASS
40	Normal Voltage	0.0365	
30	Normal Voltage	0.0491	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0334	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0118	
-30	Normal Voltage	0.0249	
20	Maximum Voltage	0.0483	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0138	PASS
40	Normal Voltage	0.0246	
30	Normal Voltage	0.0184	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0378	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0249	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0163	
20	Normal Voltage	0.0276	
20	Battery End Point	0.0014	



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	0.0026	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0159	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0184	
-20	Normal Voltage	0.0248	
-30	Normal Voltage	0.0263	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0051	
20	Battery End Point	0.0138	

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

RSE pretest all the support antennas, only the worst results are shown in the report.

<Sample 1>:

GSM850 (GSM) Ant0								
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	-43.82	-13	-30.82	-50.79	1.58	10.70	H
	2512	-57.50	-13	-44.50	-65.75	2.102	12.50	H
	3344	-68.97	-13	-55.97	-77.86	2.856	13.90	H
	1672	-48.22	-13	-35.22	-55.19	1.58	10.70	V
	2512	-64.77	-13	-51.77	-73.02	2.10	12.50	V
	3344	-69.42	-13	-56.42	-78.31	2.86	13.90	V

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

GSM850 (EDGE 1 Tx slots) Ant0								
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	-47.60	-13	-34.60	-54.57	1.58	10.70	H
	2512	-52.16	-13	-39.16	-60.41	2.102	12.50	H
	3344	-69.39	-13	-56.39	-78.28	2.856	13.90	H
	1672	-49.87	-13	-36.87	-56.84	1.58	10.70	V
	2512	-52.45	-13	-39.45	-60.70	2.10	12.50	V
	3344	-69.30	-13	-56.30	-78.19	2.86	13.90	V

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

GSM1900 (GSM) Ant0								
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	-64.00	-13	-51.00	-76.26	2.641	14.90	H
	5640	-61.64	-13	-48.64	-73.50	2.94	14.80	H
	7515	-54.58	-13	-41.58	-64.35	3.39	13.16	H
	3765	-65.32	-13	-52.32	-77.58	2.64	14.90	V
	5640	-61.33	-13	-48.33	-73.19	2.94	14.80	V
	7515	-59.26	-13	-46.26	-69.03	3.39	13.16	V

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

GSM1900 (EDGE 1 Tx slots) Ant0								
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	-68.45	-13	-55.45	-80.71	2.64	14.90	H
	5640	-60.56	-13	-47.56	-72.42	2.94	14.80	H
	7515	-58.75	-13	-45.75	-68.52	3.39	13.16	H
	3765	-65.91	-13	-52.91	-78.17	2.64	14.90	V
	5640	-59.94	-13	-46.94	-71.80	2.94	14.80	V
	7515	-58.53	-13	-45.53	-68.30	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) Ant0								
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	-70.11	-13	-57.11	-77.08	1.58	10.70	H
	2512	-70.01	-13	-57.01	-78.26	2.102	12.50	H
	3344	-69.57	-13	-56.57	-78.46	2.856	13.90	H
	1672	-71.19	-13	-58.19	-78.16	1.58	10.70	V
	2512	-69.84	-13	-56.84	-78.09	2.10	12.50	V
	3344	-69.20	-13	-56.20	-78.09	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) Ant0								
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	-68.08	-13	-55.08	-80.34	2.64	14.90	H
	5640	-61.51	-13	-48.51	-73.37	2.94	14.80	H
	7515	-59.57	-13	-46.57	-69.34	3.39	13.16	H
	3765	-68.47	-13	-55.47	-80.73	2.64	14.90	V
	5640	-61.34	-13	-48.34	-73.20	2.94	14.80	V
	7515	-59.46	-13	-46.46	-69.23	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) Ant0								
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	-68.10	-13	-55.10	-78.84	2.604	13.34	H
	5205	-62.20	-13	-49.20	-72.71	3.011	13.52	H
	6930	-60.03	-13	-47.03	-70.23	3.271	13.47	H
	3465	-68.30	-13	-55.30	-79.04	2.604	13.34	V
	5205	-62.83	-13	-49.83	-73.34	3.011	13.52	V
	6930	-60.23	-13	-47.23	-70.43	3.271	13.47	V

<Sample 2>:

GSM850 (GSM) Ant0								
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	-56.37	-13	-43.37	-63.34	1.58	10.70	H
	2512	-52.41	-13	-39.41	-60.66	2.102	12.50	H
	3344	-59.41	-13	-46.41	-68.30	2.856	13.90	H
	1672	-50.28	-13	-37.28	-57.25	1.58	10.70	V
	2512	-55.45	-13	-42.45	-63.70	2.10	12.50	V
	3344	-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.

WCDMA Band II(RMC 12.2Kbps) Ant0								
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	-58.04	-13	-45.04	-70.30	2.64	14.90	H
	5640	-56.02	-13	-43.02	-67.88	2.94	14.80	H
	7515	-53.64	-13	-40.64	-63.41	3.39	13.16	H
	3765	-57.70	-13	-44.70	-69.96	2.64	14.90	V
	5640	-56.88	-13	-43.88	-68.74	2.94	14.80	V
	7515	-53.52	-13	-40.52	-63.29	3.39	13.16	V

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