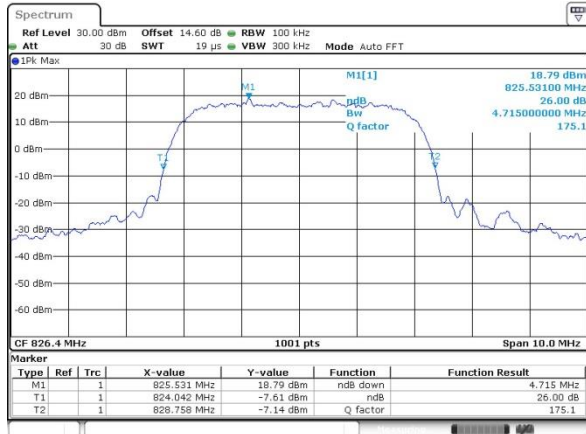




WCDMA Band V (RMC 12.2Kbps)

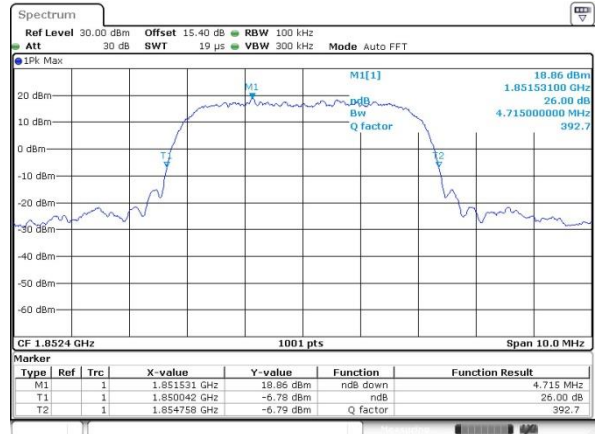
Lowest Channel



Date: 7 NOV 2022 02:47:56

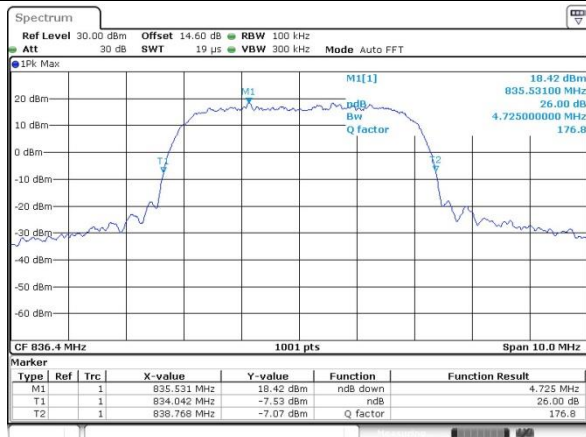
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



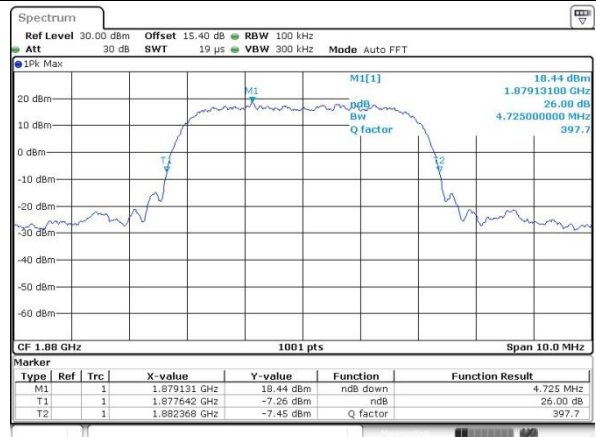
Date: 7 NOV 2022 01:12:42

Middle Channel



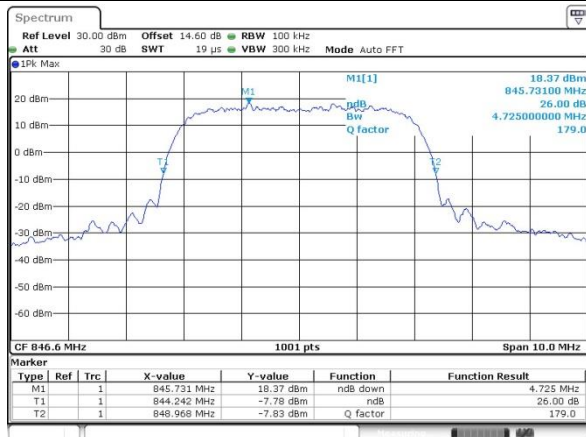
Date: 7 NOV 2022 02:48:23

Middle Channel



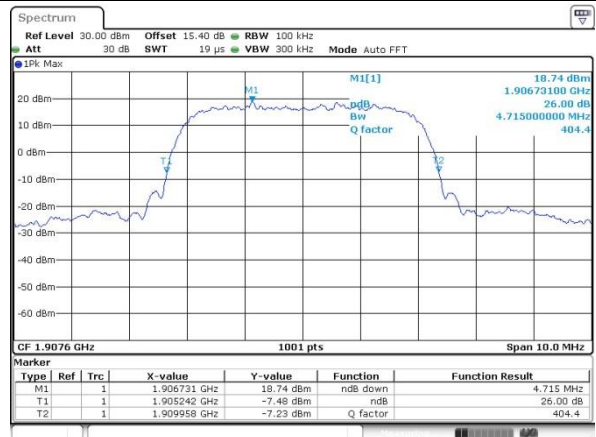
Date: 7 NOV 2022 01:13:38

Highest Channel



Date: 7 NOV 2022 02:48:50

Highest Channel

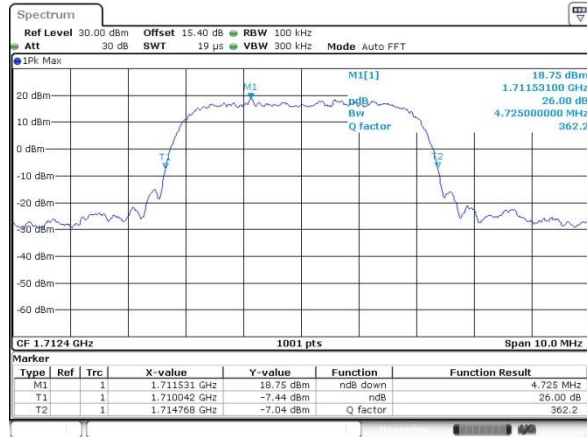


Date: 7 NOV 2022 01:14:04

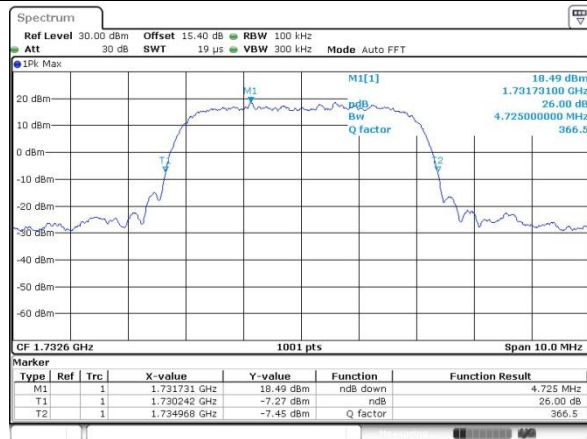


WCDMA Band IV (RMC 12.2Kbps)

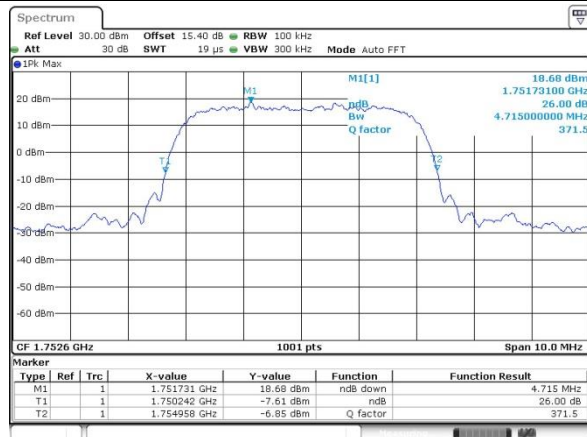
Lowest Channel



Middle Channel



Highest Channel





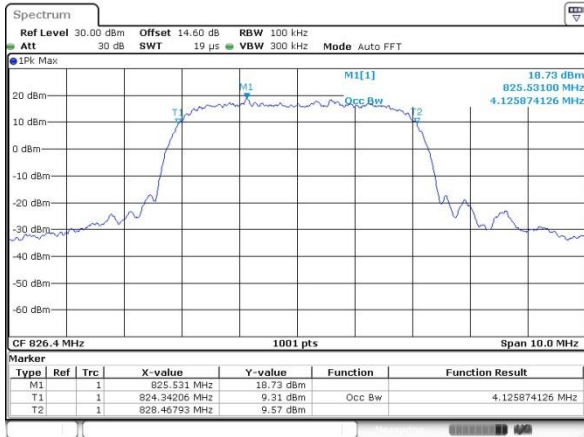
Occupied Bandwidth

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	4.146
Middle CH	4.136	4.136	4.146
Highest CH	4.136	4.146	4.146



WCDMA Band V (RMC 12.2Kbps)

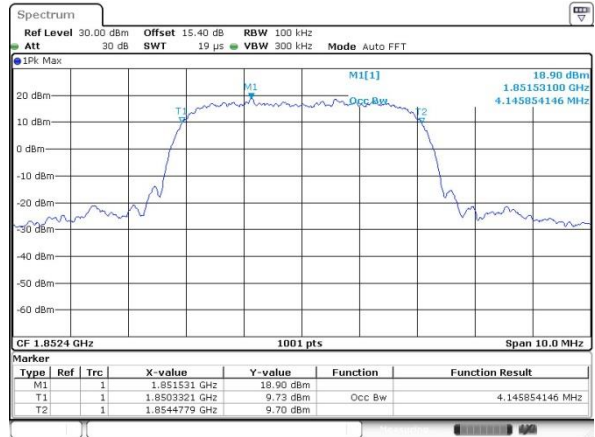
Lowest Channel



Date: 7 NOV 2022 02:55:57

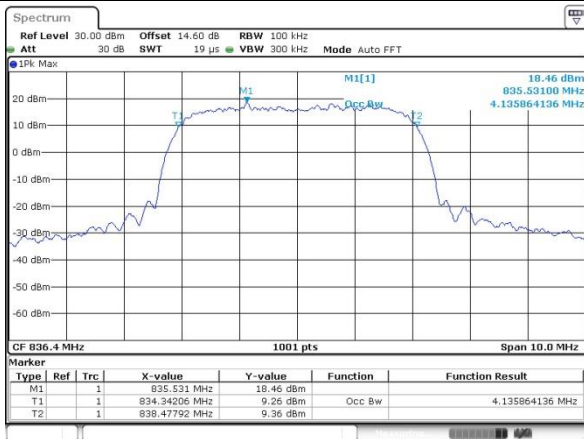
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



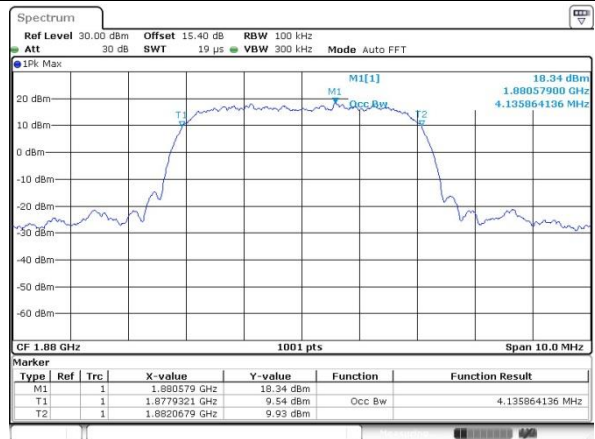
Date: 7 NOV 2022 01:14:44

Middle Channel



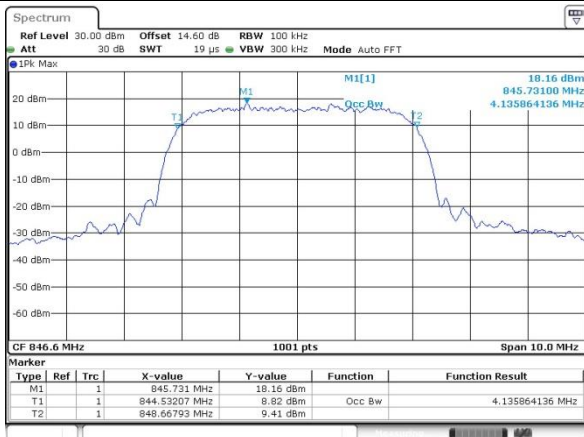
Date: 7 NOV 2022 02:55:40

Middle Channel



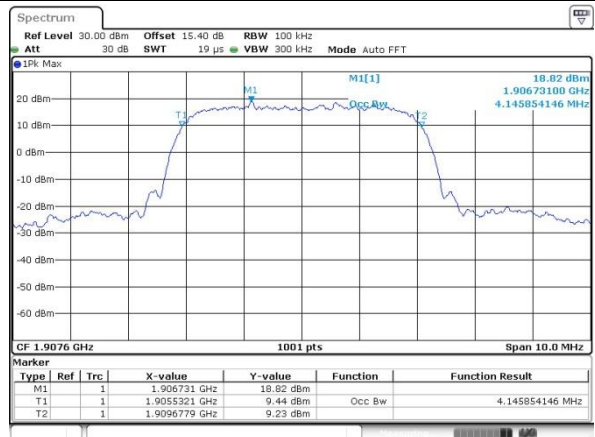
Date: 7 NOV 2022 01:15:43

Highest Channel



Date: 7 NOV 2022 02:58:06

Highest Channel

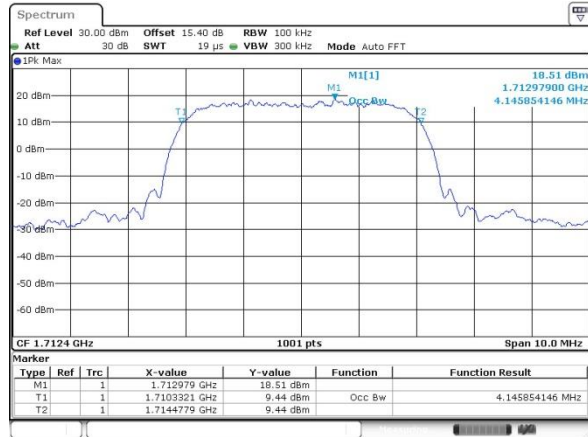


Date: 7 NOV 2022 01:16:08



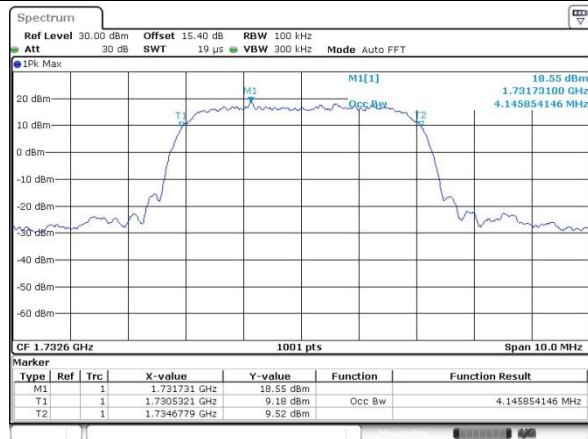
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



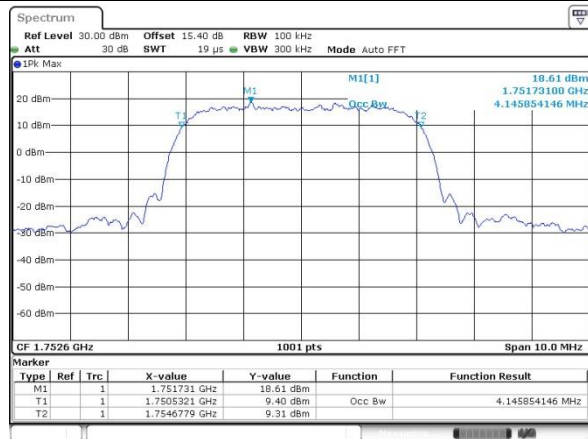
Date: 7 NOV 2022 02:14:51

Middle Channel



Date: 7 NOV 2022 02:15:20

Highest Channel



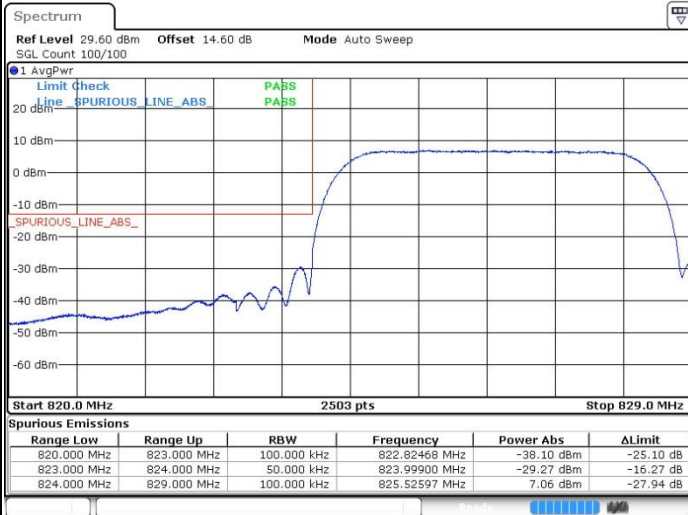
Date: 7 NOV 2022 02:15:48



Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

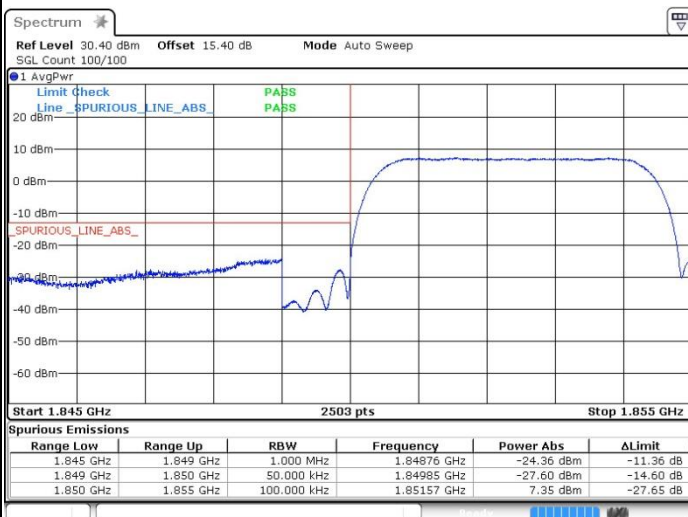


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



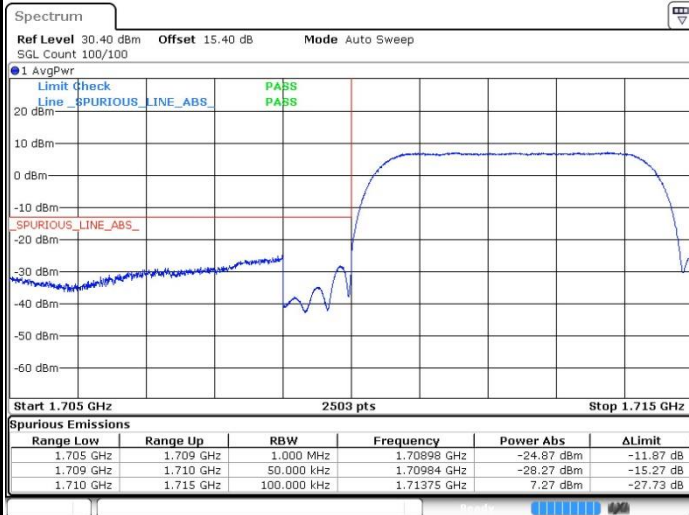
Highest Band Edge



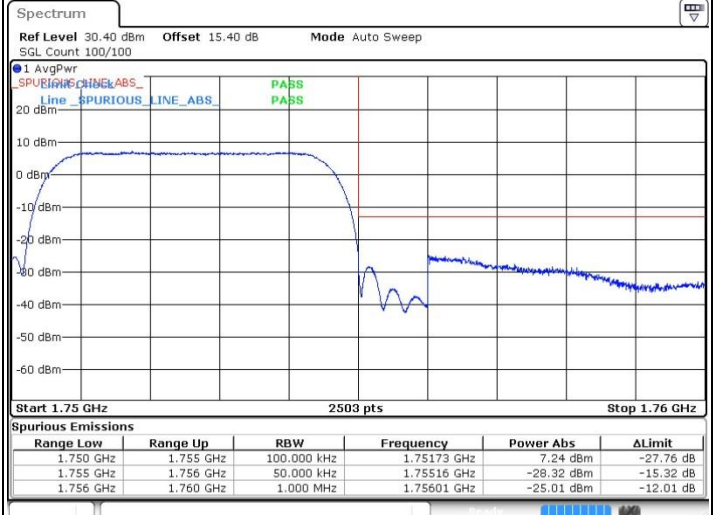


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

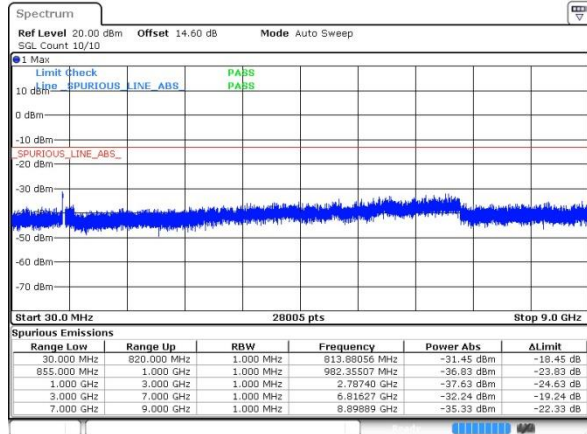




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

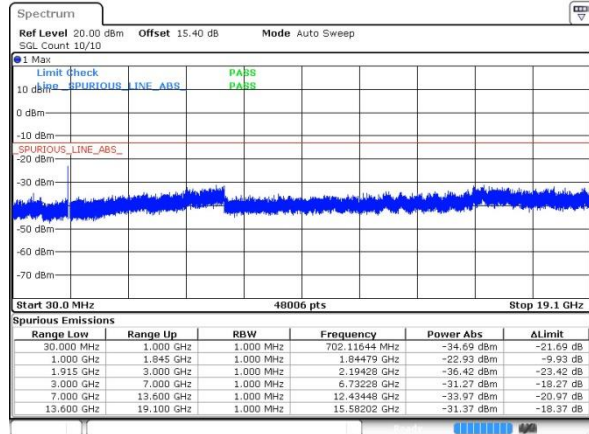
Lowest Channel



Date: 7 NOV 2022 03:10:23

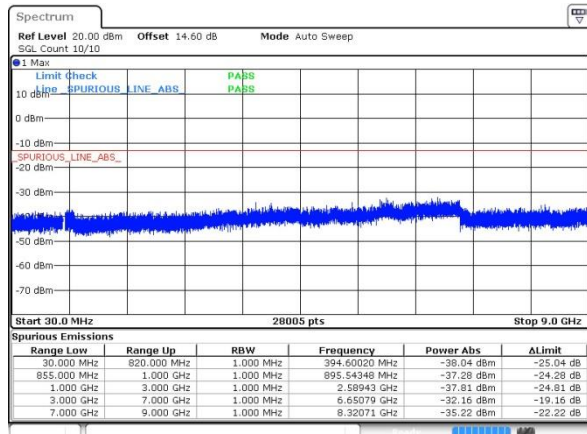
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



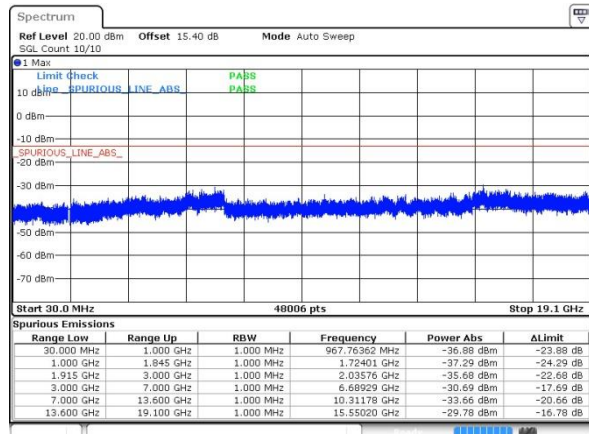
Date: 7 NOV 2022 01:21:45

Middle Channel



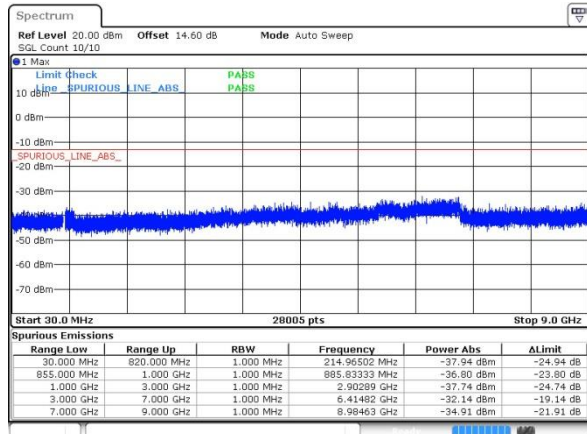
Date: 7 NOV 2022 03:05:20

Middle Channel



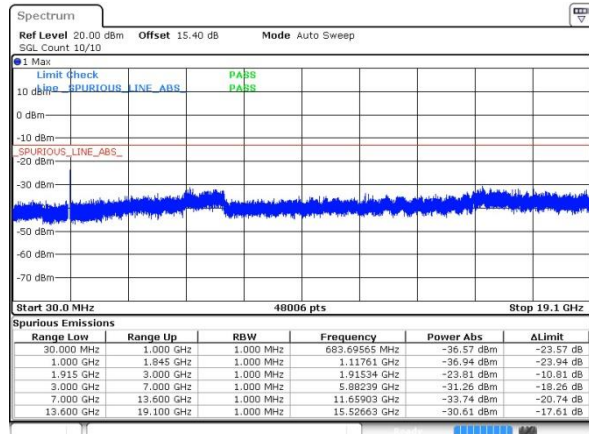
Date: 7 NOV 2022 01:23:04

Highest Channel



Date: 7 NOV 2022 03:08:29

Highest Channel

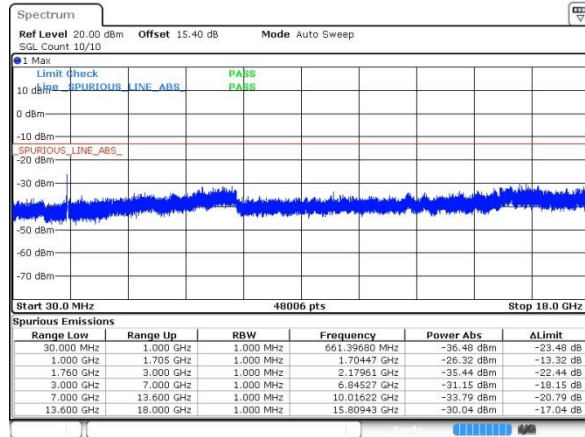


Date: 7 NOV 2022 01:24:24

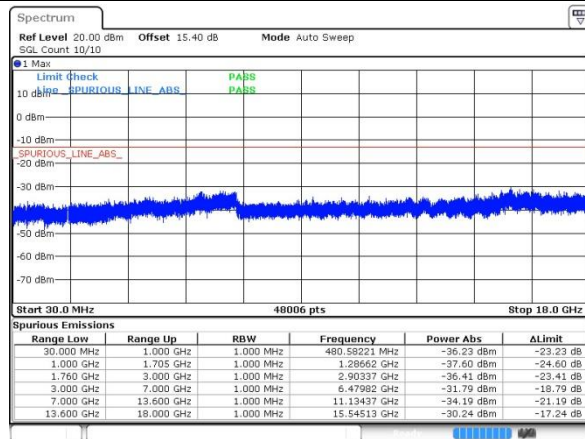


WCDMA Band IV (RMC 12.2Kbps)

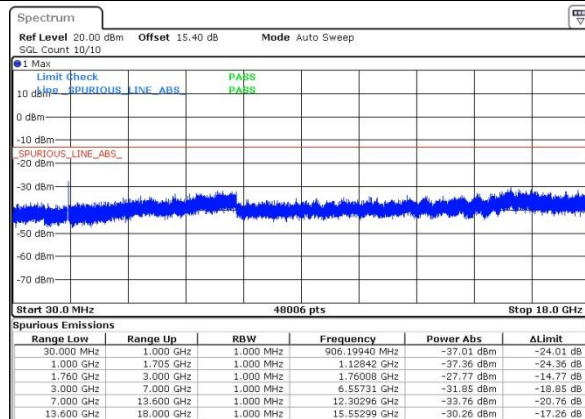
Lowest Channel



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	0.0033	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.89V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48V
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 combinations, we choose the worst antenna mode to perform final test.

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	-60.27	-13	-47.27	-67.24	1.58	10.70	H
	2512	-38.11	-13	-25.11	-46.36	2.102	12.50	H
	3344	-61.99	-13	-48.99	-70.88	2.856	13.90	H
	1672	-63.75	-13	-50.75	-70.72	1.58	10.70	V
	2512	-40.18	-13	-27.18	-48.43	2.10	12.50	V
	3345.6	-63.48	-13	-50.48	-72.37	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	1672.8	-57.44	-13	-44.44	-64.41	1.58	10.70	H
	2512	-36.73	-13	-23.73	-44.98	2.102	12.50	H
	3345.6	-63.79	-13	-50.79	-72.68	2.856	13.90	H
	1672	-59.75	-13	-46.75	-66.72	1.58	10.70	V
	2512	-38.15	-13	-25.15	-46.40	2.10	12.50	V
	3345.6	-63.80	-13	-50.80	-72.69	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	3759	-57.48	-13	-44.48	-69.74	2.64	14.90	H
	5640	-55.80	-13	-42.80	-67.66	2.94	14.80	H
	7524	-54.34	-13	-41.34	-64.11	3.39	13.16	H
	3759	-57.38	-13	-44.38	-69.64	2.64	14.90	V
	5640	-56.19	-13	-43.19	-68.05	2.94	14.80	V
	7524	-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.



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	3759	-57.78	-13	-44.78	-70.04	2.64	14.90	H
	5640	-55.98	-13	-42.98	-67.84	2.94	14.80	H
	7524	-54.64	-13	-41.64	-64.41	3.39	13.16	H
	3759	-57.50	-13	-44.50	-69.76	2.64	14.90	V
	5640	-56.65	-13	-43.65	-68.51	2.94	14.80	V
	7524	-54.43	-13	-41.43	-64.20	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	-69.41	-13	-56.41	-76.38	1.58	10.70	H
	2510	-64.05	-13	-51.05	-72.30	2.102	12.50	H
	3344	-65.31	-13	-52.31	-74.20	2.856	13.90	H
	1672.8	-68.67	-13	-55.67	-75.64	1.58	10.70	V
	2512	-61.59	-13	-48.59	-69.84	2.10	12.50	V
	3344	-64.47	-13	-51.47	-73.36	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	3759	-57.74	-13	-44.74	-70.00	2.64	14.90	H
	5640	-56.00	-13	-43.00	-67.86	2.94	14.80	H
	7524	-54.68	-13	-41.68	-64.45	3.39	13.16	H
	3759	-57.51	-13	-44.51	-69.77	2.64	14.90	V
	5640	-56.78	-13	-43.78	-68.64	2.94	14.80	V
	7524	-54.66	-13	-41.66	-64.43	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	-58.98	-13	-45.98	-69.72	2.604	13.34	H
	5196	-56.66	-13	-43.66	-67.17	3.011	13.52	H
	6936	-56.18	-13	-43.18	-66.38	3.271	13.47	H
	3465	-59.23	-13	-46.23	-69.97	2.604	13.34	V
	5196	-56.68	-13	-43.68	-67.19	3.011	13.52	V
	6936	-56.38	-13	-43.38	-66.58	3.271	13.47	V

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