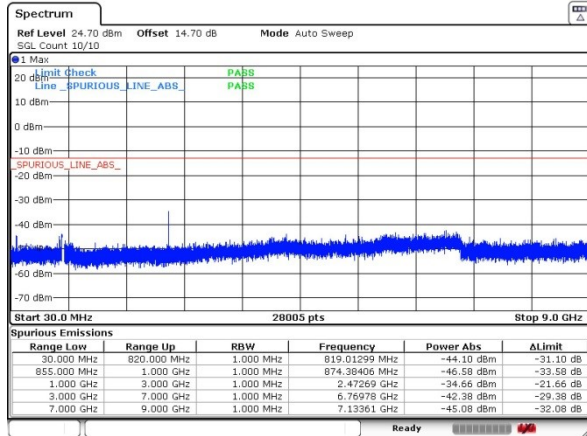




Conducted Spurious Emission

GSM850 (GSM)

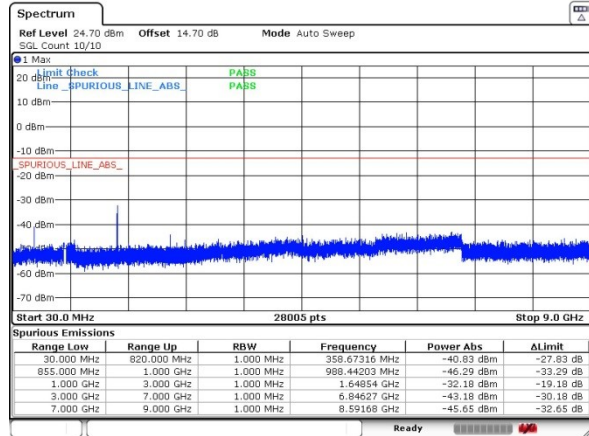
Lowest Channel



Date: 10 NOV 2020 03:31:06

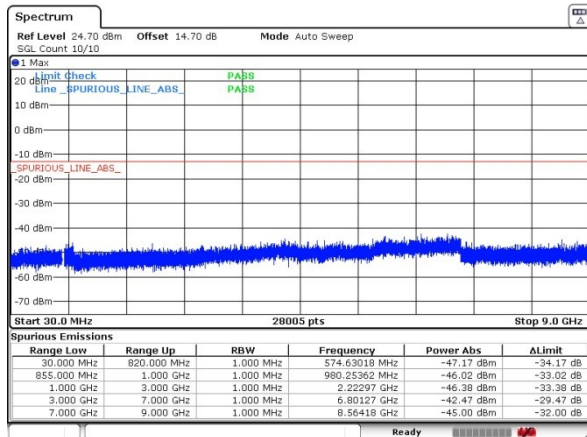
GSM850 (EDGE class 8)

Lowest Channel



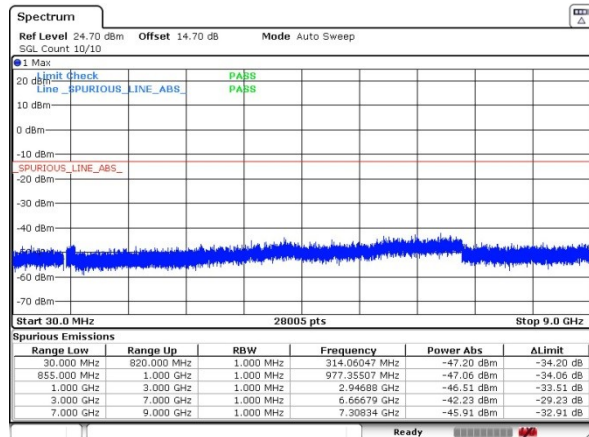
Date: 10 NOV 2020 03:46:08

Middle Channel



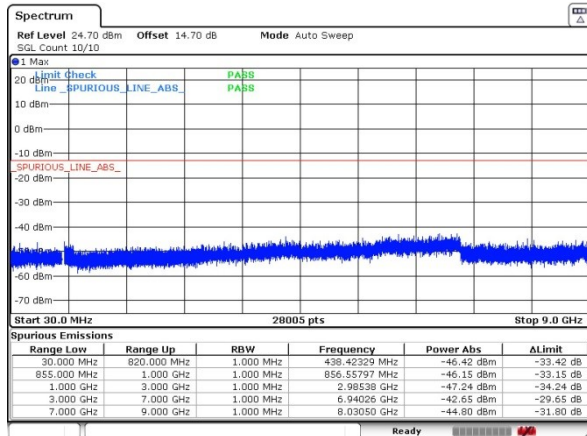
Date: 10 NOV 2020 03:31:32

Middle Channel



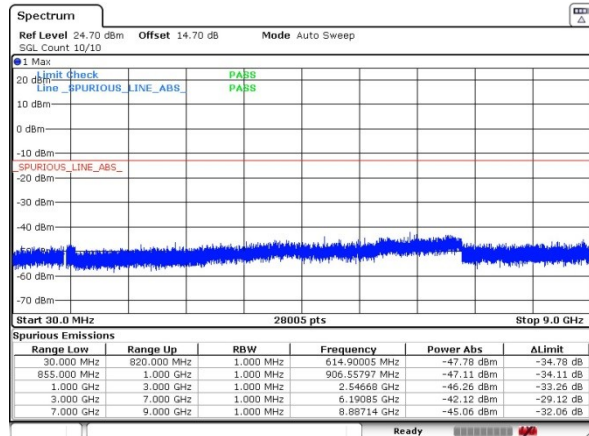
Date: 10 NOV 2020 03:46:30

Highest Channel



Date: 10 NOV 2020 03:31:49

Highest Channel

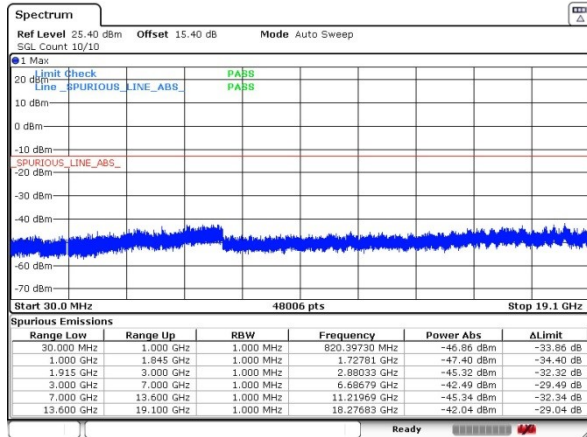


Date: 10 NOV 2020 03:46:43



GSM1900 (GSM)

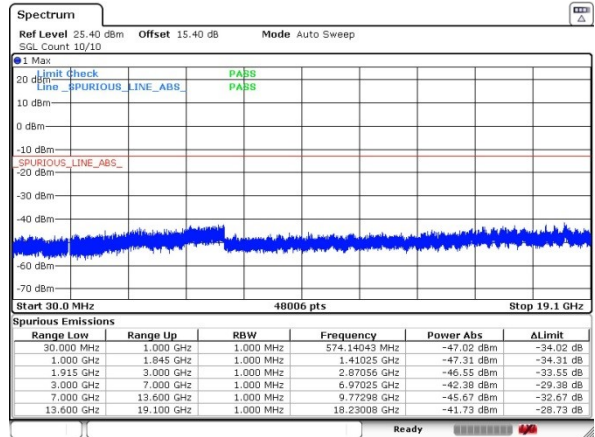
Lowest Channel



Date: 10 NOV 2020 04:06:56

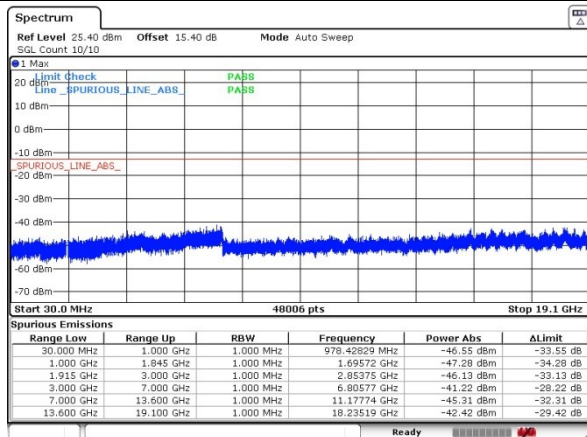
GSM1900 (EDGE class 8)

Lowest Channel



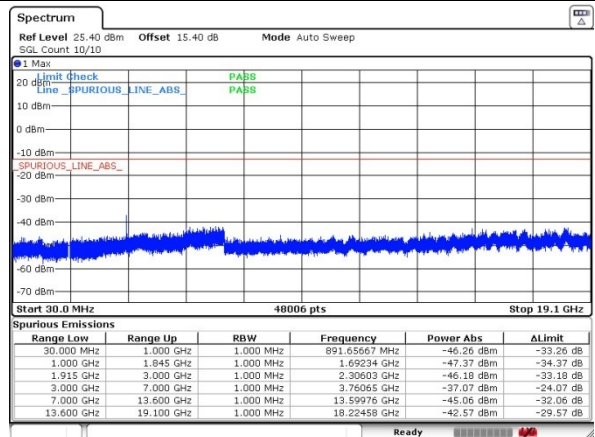
Date: 10 NOV 2020 04:24:35

Middle Channel



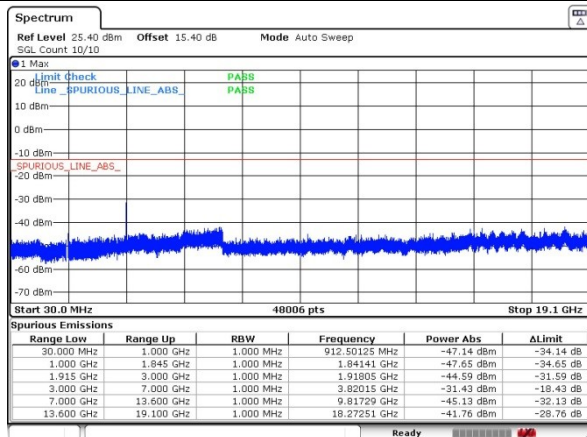
Date: 10 NOV 2020 04:07:13

Middle Channel



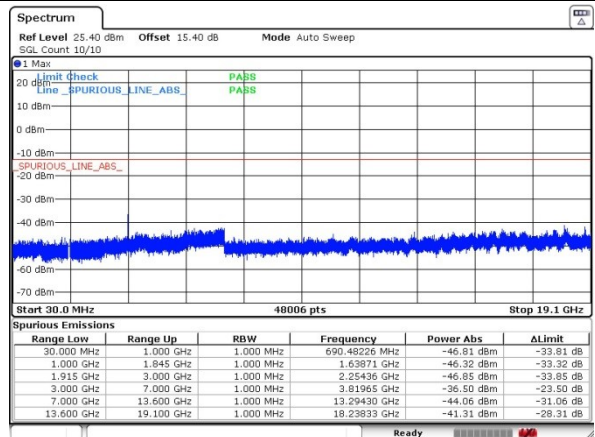
Date: 10 NOV 2020 04:24:49

Highest Channel



Date: 10 NOV 2020 04:07:34

Highest Channel



Date: 10 NOV 2020 04:25:09

**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	0.0108	0.0224	PASS
40	Normal Voltage	0.0032	0.0178	
30	Normal Voltage	0.0133	0.0067	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0145	0.0155	
0	Normal Voltage	0.0078	0.0169	
-10	Normal Voltage	0.0176	0.0244	
-20	Normal Voltage	0.0159	0.0065	
-30	Normal Voltage	0.0143	0.0109	
20	Maximum Voltage	0.0096	0.0132	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0191	0.0036	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45 V

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	0.0161	PASS
40	Normal Voltage	0.0015	0.0131	
30	Normal Voltage	0.0119	0.0033	
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	0.0086	0.0174	
-20	Normal Voltage	0.0021	0.0127	
-30	Normal Voltage	0.0128	0.0139	
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) =3.4V. ; Maximum Voltage =4.45 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



WCDMA

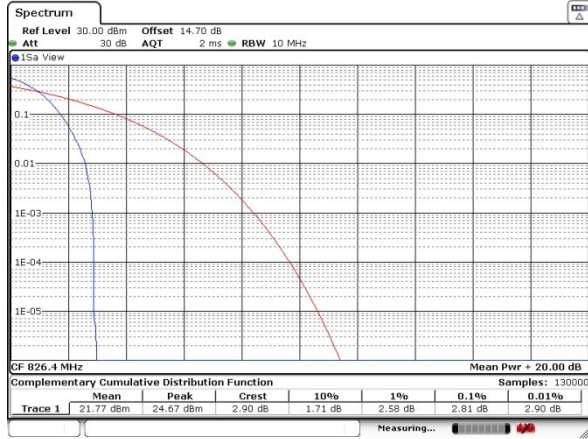
Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.81	3.07	3.19	PASS
Middle CH	2.78	3.22	3.25	
Highest CH	2.84	3.25	3.36	



WCDMA Band V (RMC 12.2Kbps)

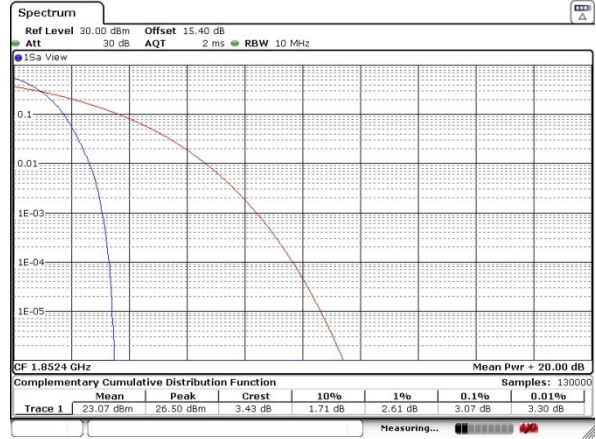
Lowest Channel



Date: 10 NOV 2020 05:01:15

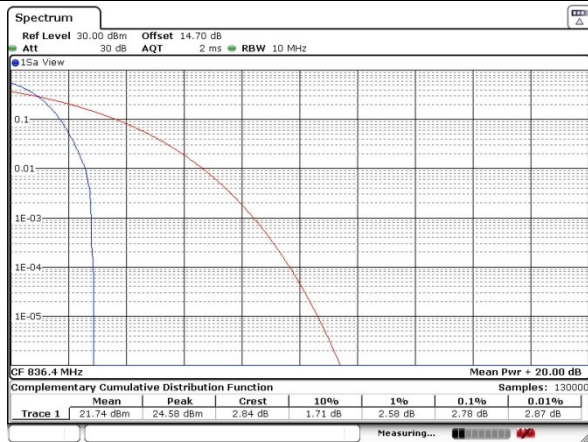
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



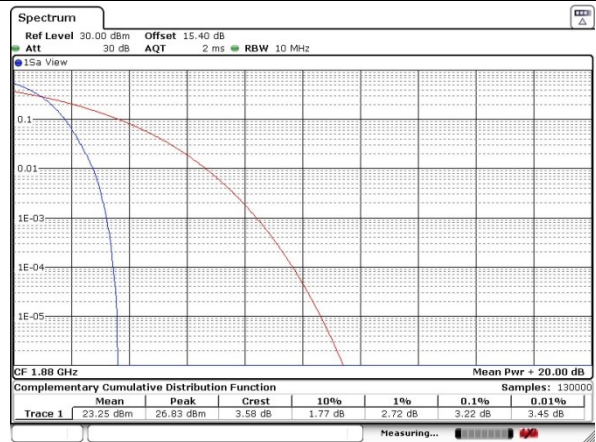
Date: 10 NOV 2020 05:17:20

Middle Channel



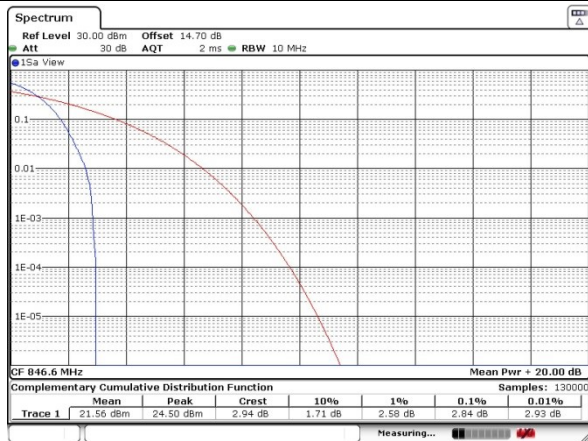
Date: 10 NOV 2020 05:01:22

Middle Channel



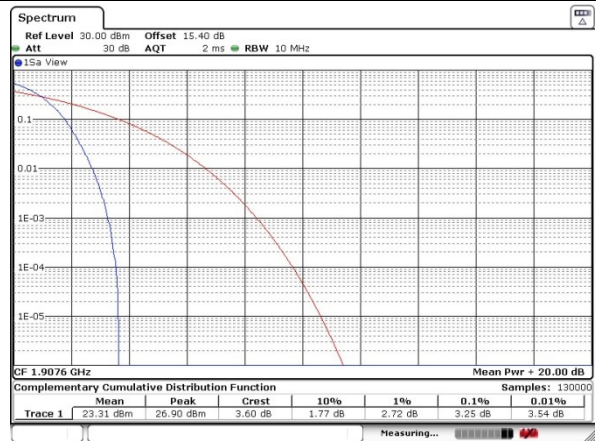
Date: 10 NOV 2020 05:17:27

Highest Channel



Date: 10 NOV 2020 05:01:29

Highest Channel

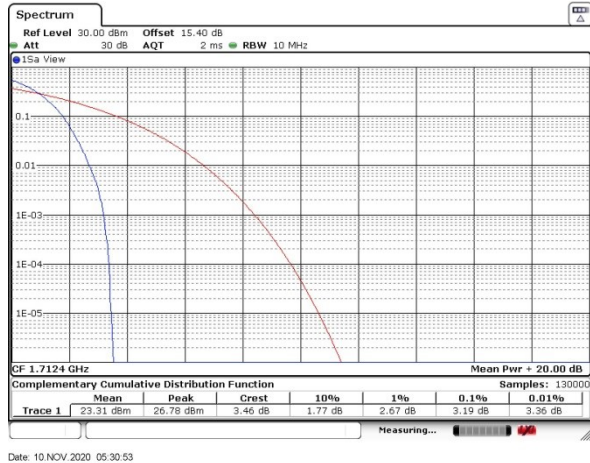


Date: 10 NOV 2020 05:17:34

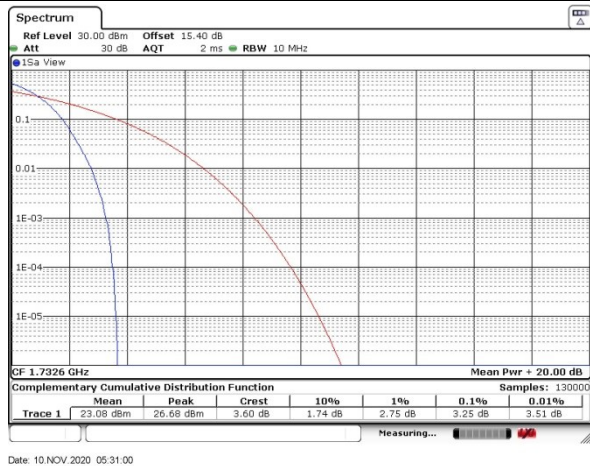


WCDMA Band IV (RMC 12.2Kbps)

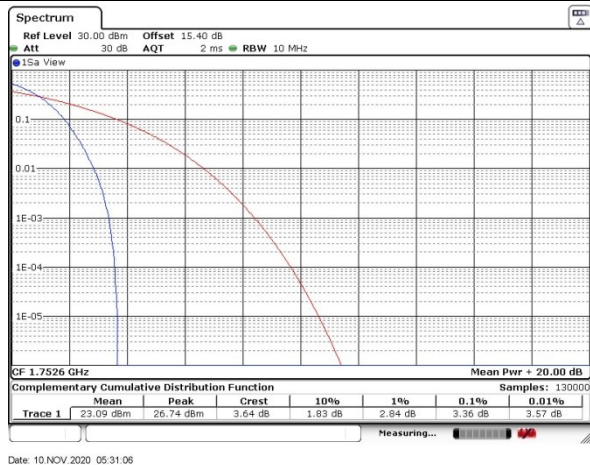
Lowest Channel



Middle Channel



Highest Channel



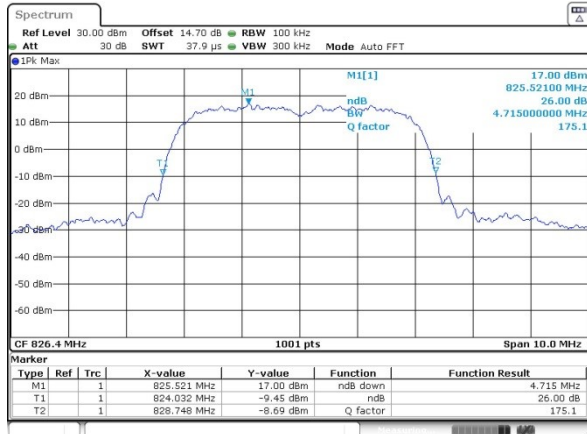
**26dB Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.715	4.695	4.715
Middle CH	4.725	4.685	4.695
Highest CH	4.735	4.685	4.715



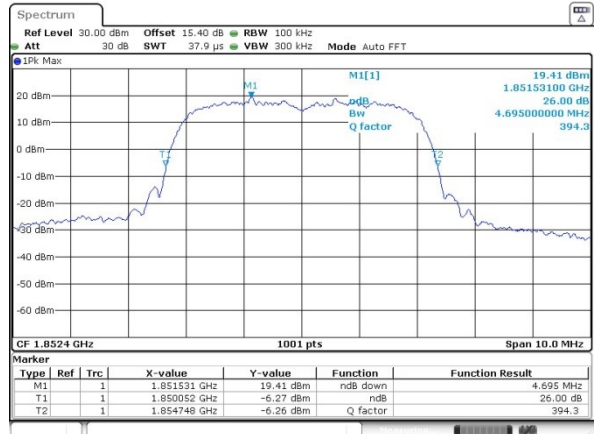
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

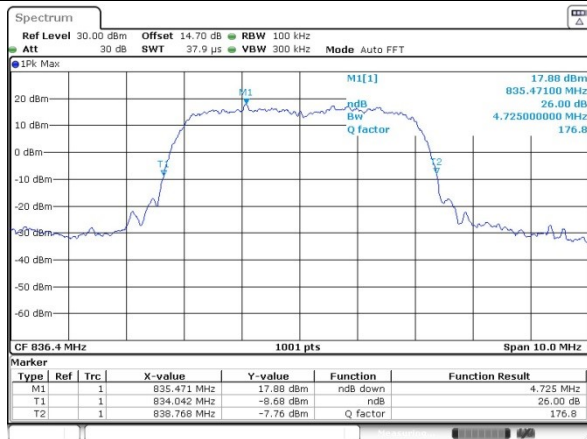


WCDMA Band II (RMC 12.2Kbps)

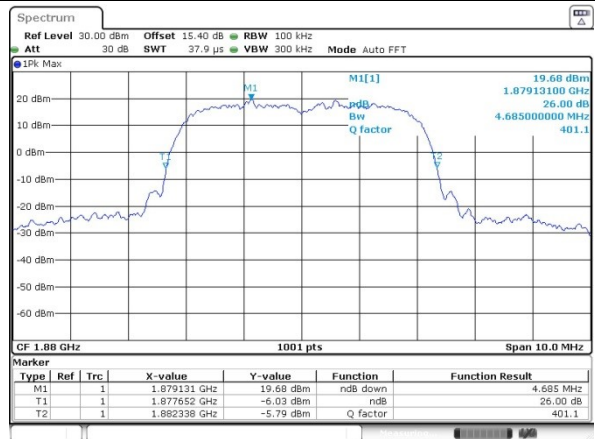
Lowest Channel



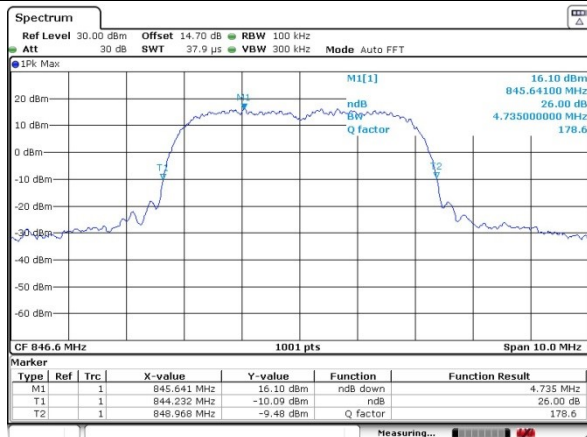
Middle Channel



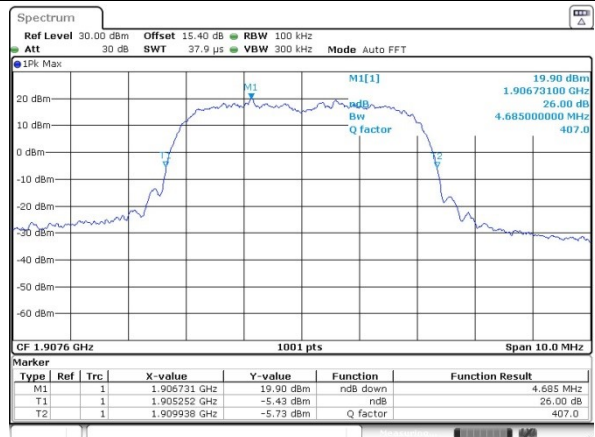
Middle Channel



Highest Channel



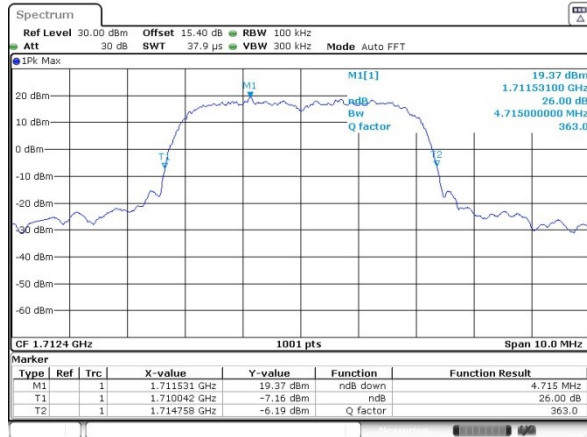
Highest Channel



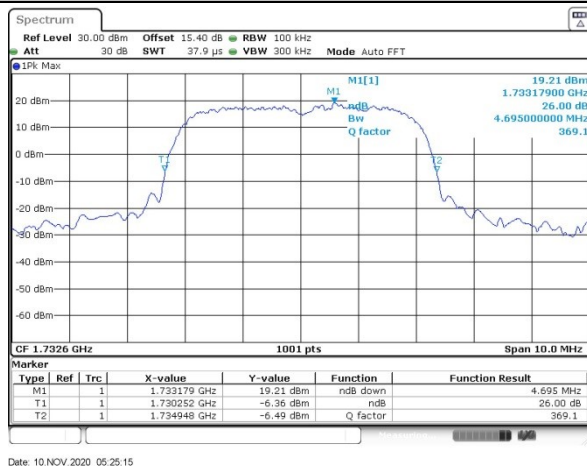


WCDMA Band IV (RMC 12.2Kbps)

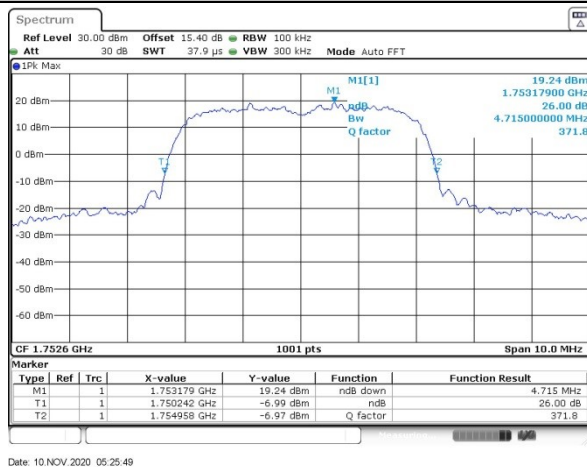
Lowest Channel



Middle Channel



Highest Channel



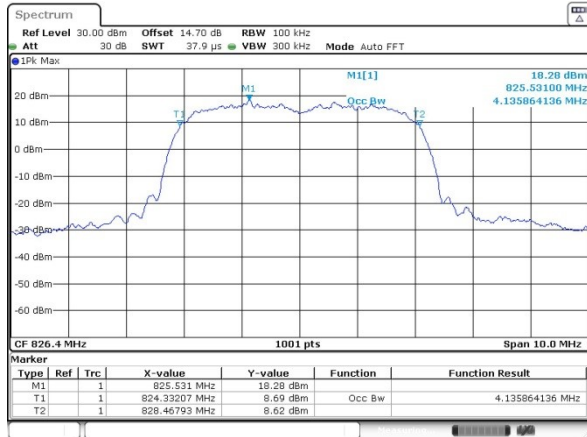
**Occupied Bandwidth**

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



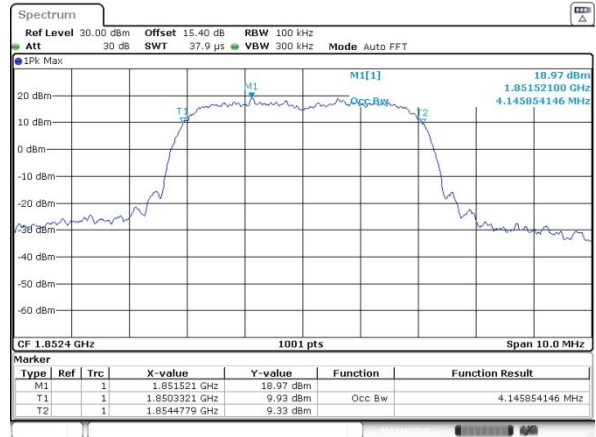
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

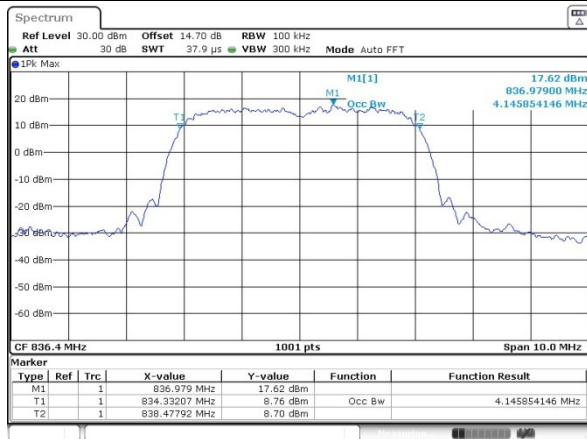


WCDMA Band II (RMC 12.2Kbps)

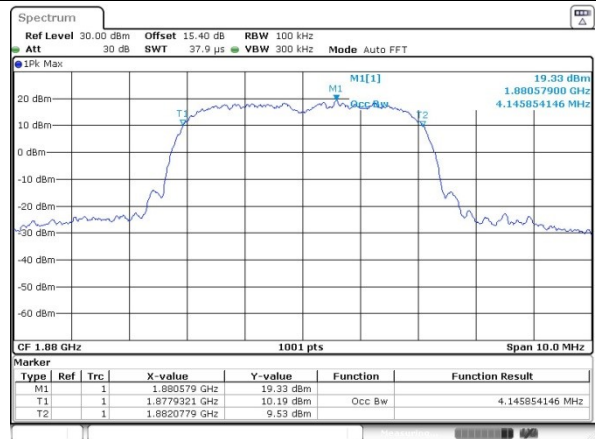
Lowest Channel



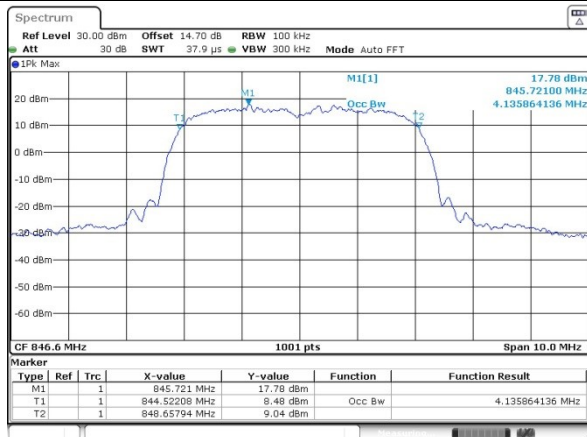
Middle Channel



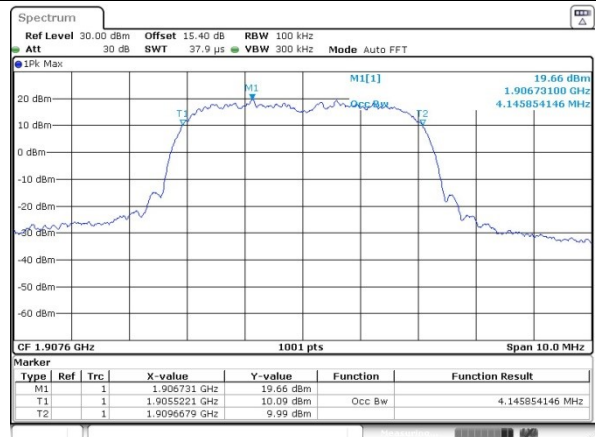
Middle Channel

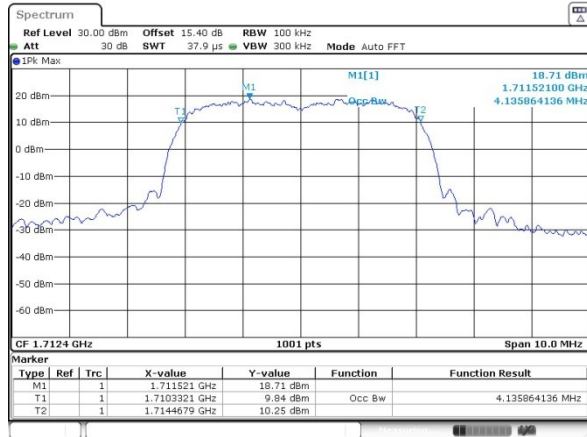
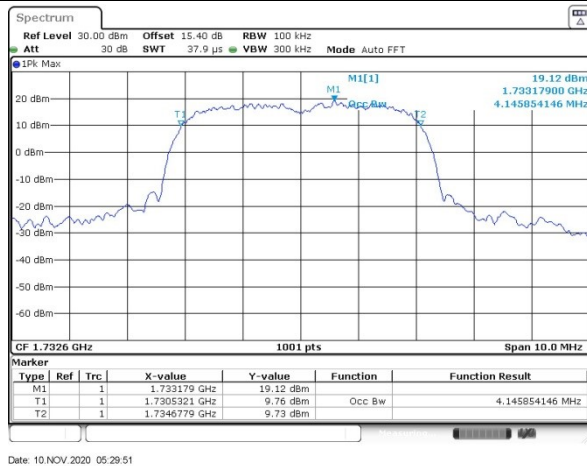
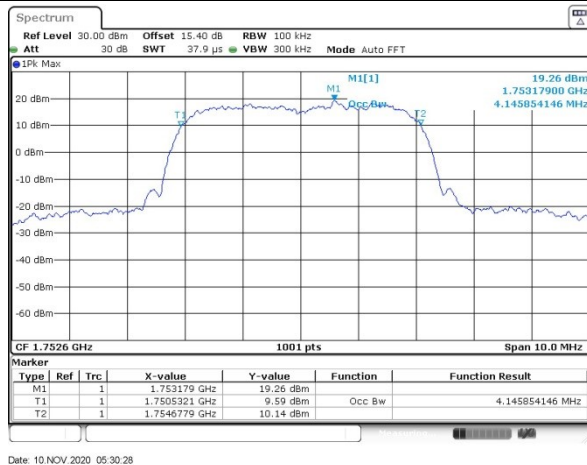


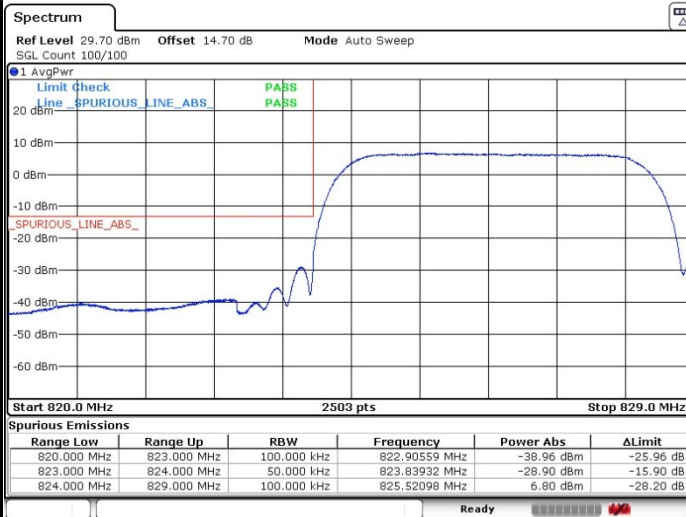
Highest Channel



Highest Channel



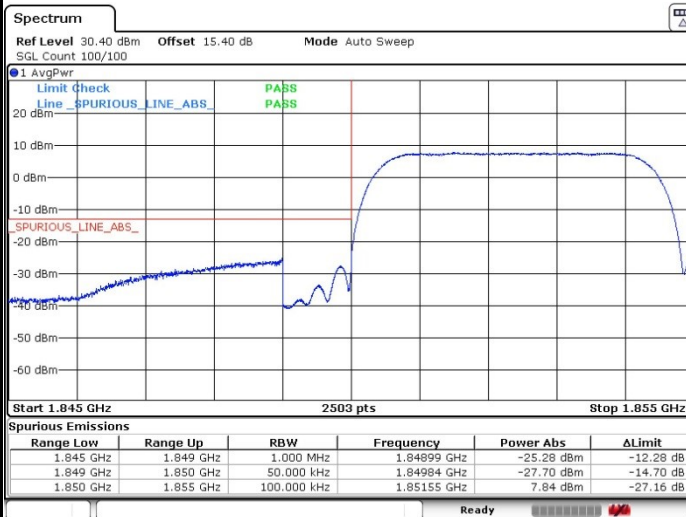
WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel

Middle Channel

Highest Channel


**Conducted Band Edge****WCDMA Band V (RMC 12.2Kbps)****Lowest Band Edge**

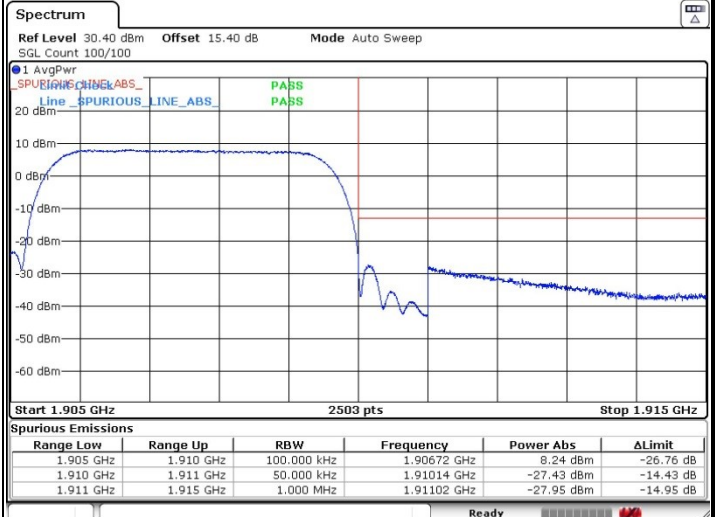
Date: 10.NOV.2020 05:03:50

Highest Band Edge

Date: 10.NOV.2020 05:02:27

WCDMA Band II (RMC 12.2Kbps)**Lowest Band Edge**

Date: 10.NOV.2020 05:21:43

Highest Band Edge

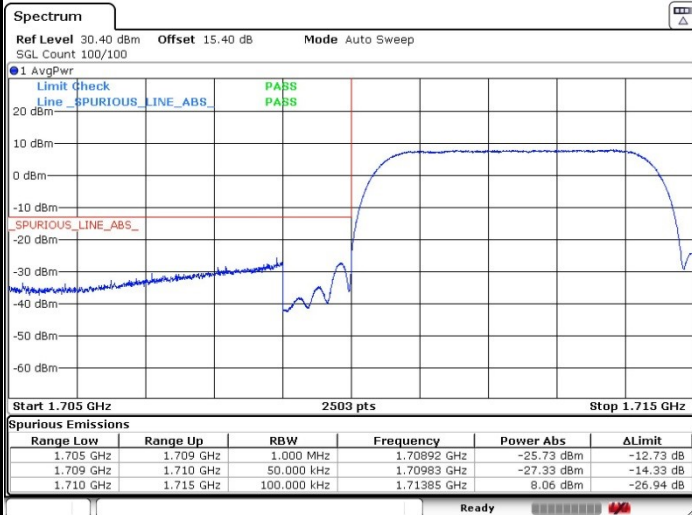
Date: 10.NOV.2020 05:19:47



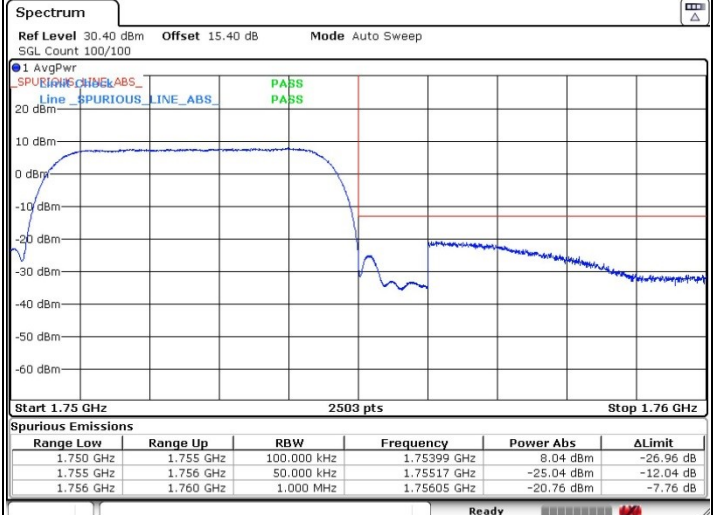
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 10.NOV.2020 05:33:19



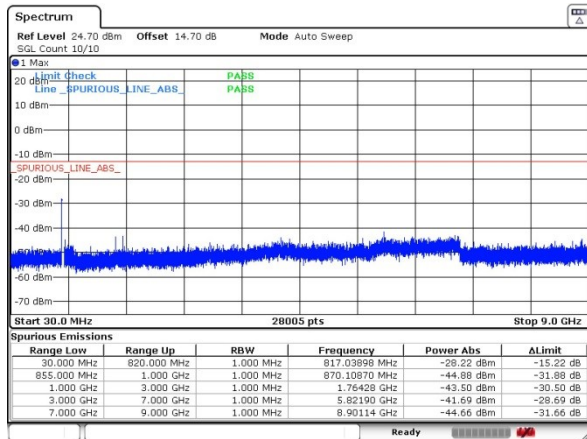
Date: 10.NOV.2020 05:32:05



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

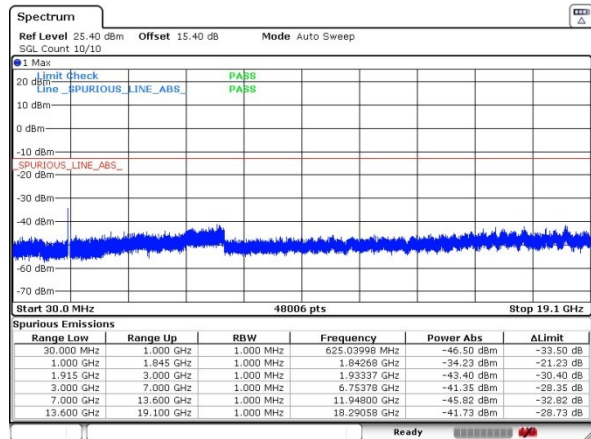
Lowest Channel



Date: 10 NOV 2020 05:04:17

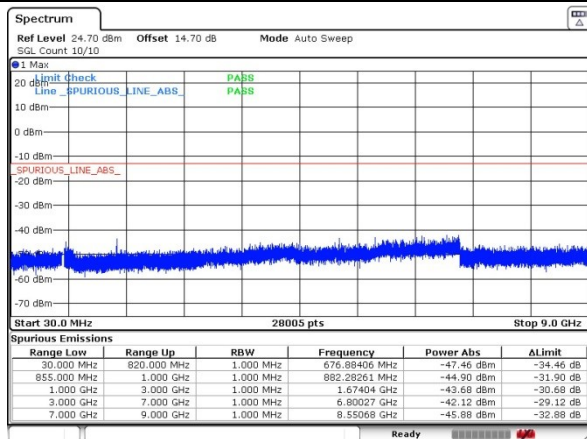
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



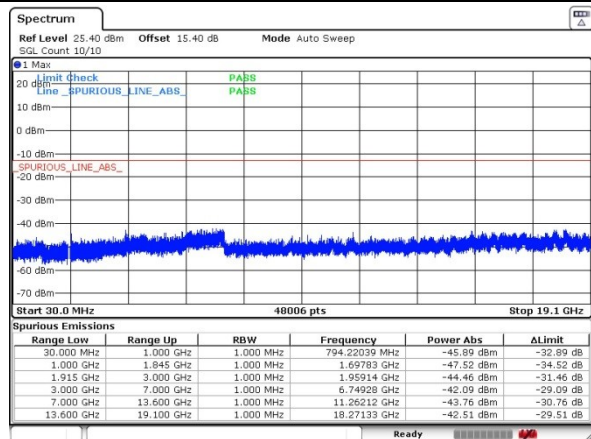
Date: 10 NOV 2020 05:22:04

Middle Channel



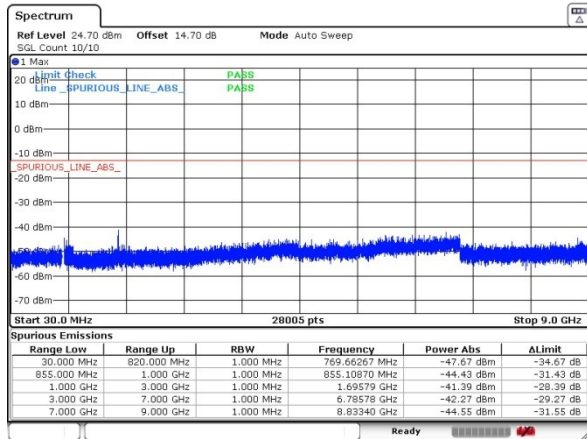
Date: 10 NOV 2020 05:04:38

Middle Channel



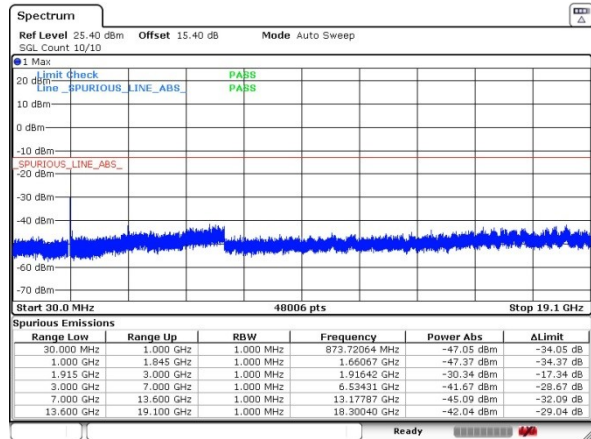
Date: 10 NOV 2020 05:22:21

Highest Channel



Date: 10 NOV 2020 05:04:51

Highest Channel

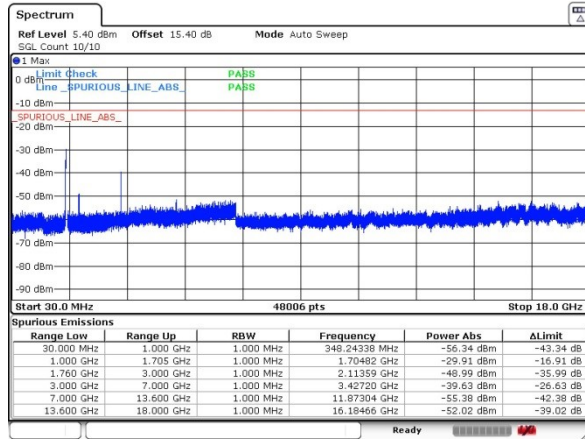


Date: 10 NOV 2020 05:22:35



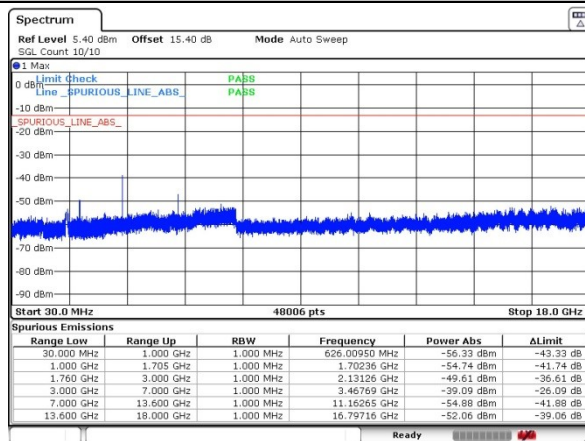
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



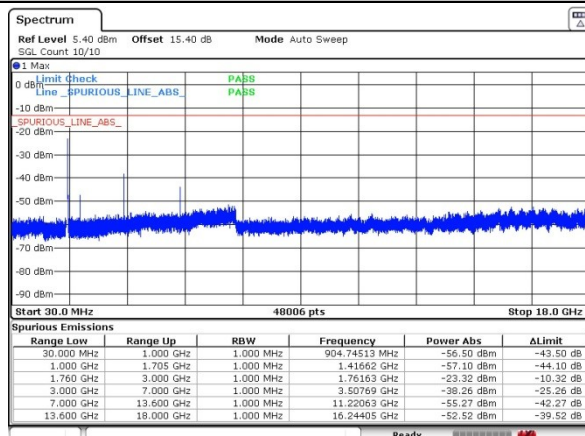
Date: 10 NOV. 2020 05:33:40

Middle Channel



Date: 10 NOV. 2020 05:33:58

Highest Channel



Date: 10 NOV. 2020 05:34:17

**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	0.0088	PASS
40	Normal Voltage	0.0256	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0278	
0	Normal Voltage	0.0243	
-10	Normal Voltage	0.0077	
-20	Normal Voltage	0.0273	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0263	

Note: Normal Voltage = 3.8V ; Battery End Point (BEP) =3.4V ; 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	0.0018	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0118	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0174	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0159	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.4V ; 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	0.0035	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0151	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0146	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



CDMA

Peak-to-Average Ratio

Mode	CDMA BC0	CDMA BC1	Limit: 13dB
Mod.	1xRTT	1xRTT	Result
Lowest CH	3.77	4.29	PASS
Middle CH	3.77	4.20	
Highest CH	3.77	4.09	