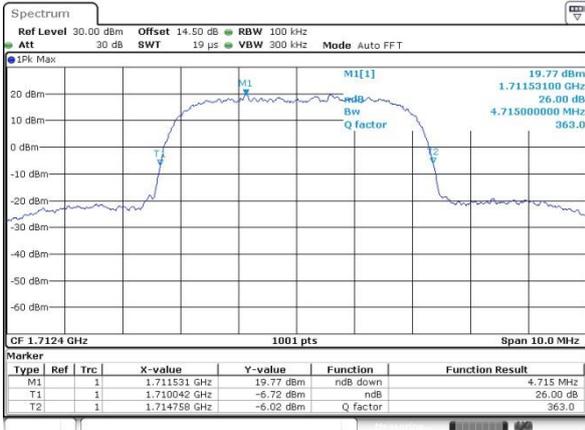




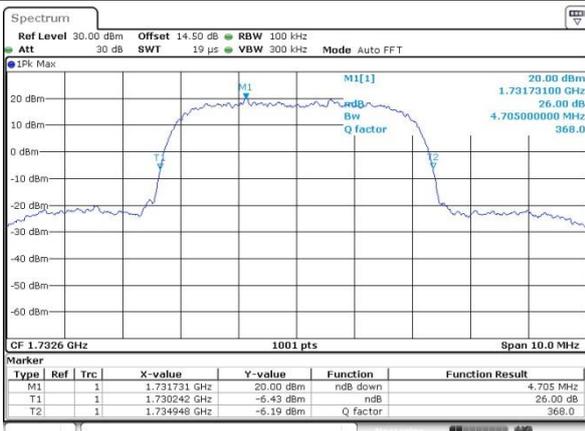
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



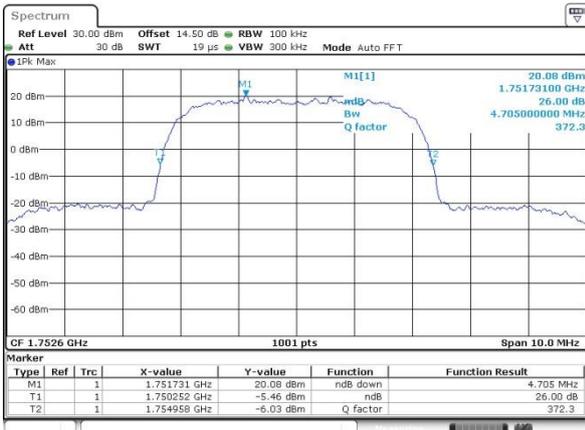
Date: 27\_SEP\_2021 11:07:04

Middle Channel



Date: 27\_SEP\_2021 11:07:26

Highest Channel

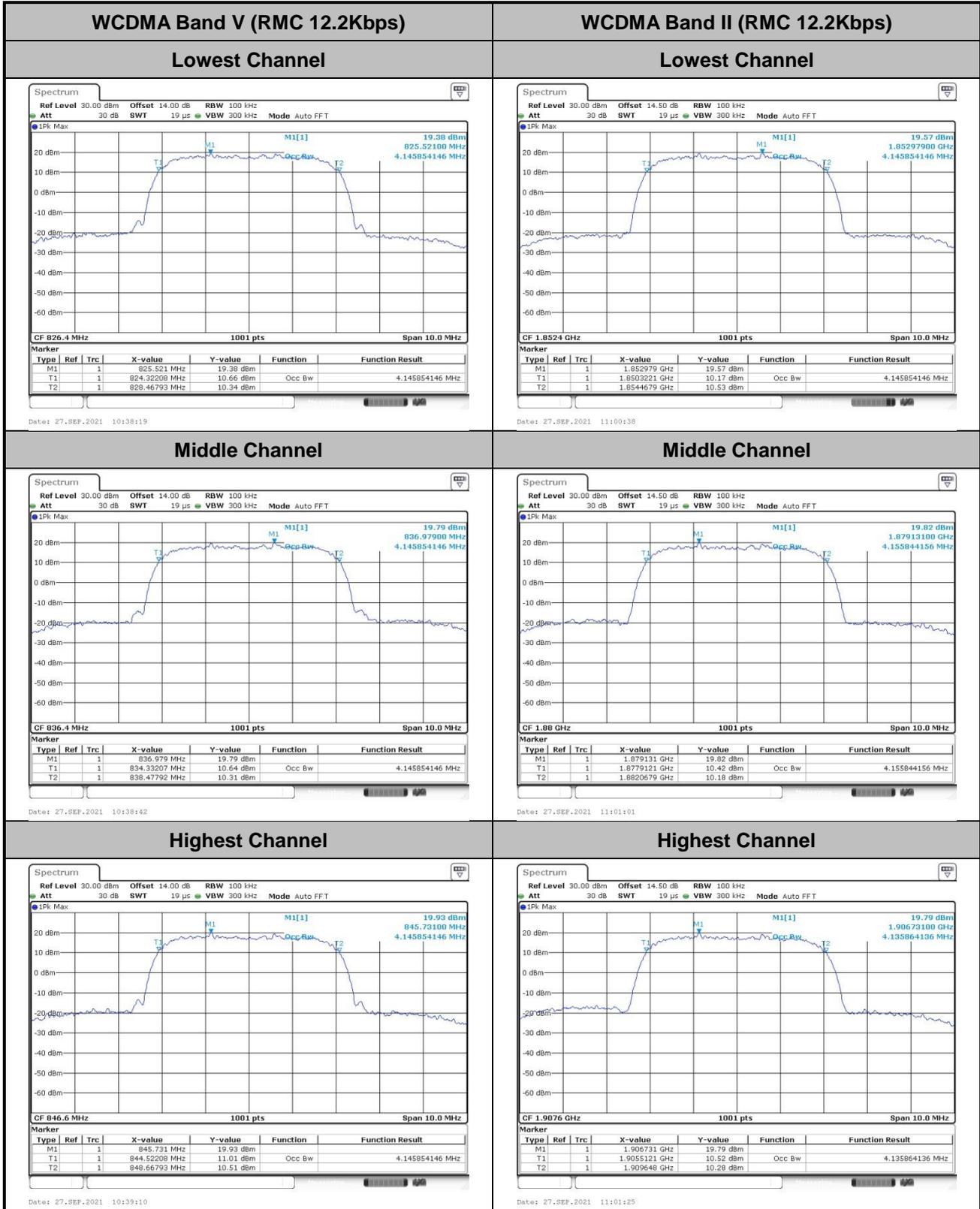


Date: 27\_SEP\_2021 11:07:49



## Occupied Bandwidth

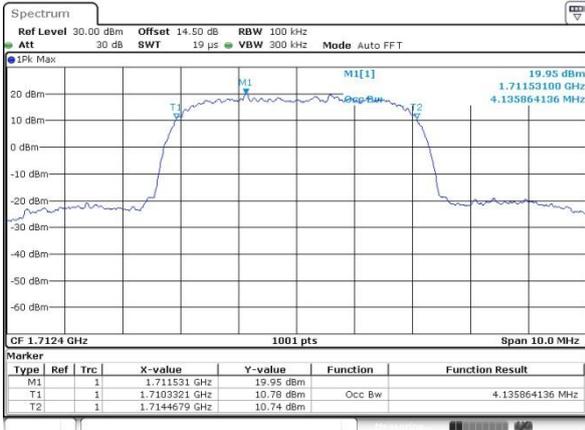
Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.15	4.14
Middle CH	4.15	4.16	4.15
Highest CH	4.15	4.14	4.15





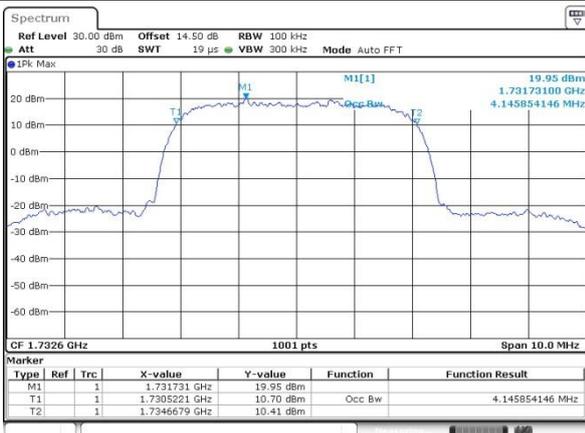
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



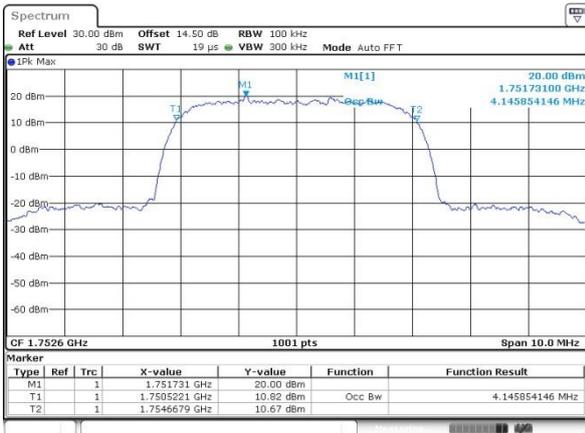
Date: 27\_SEP\_2021 11:08:37

Middle Channel



Date: 27\_SEP\_2021 11:09:00

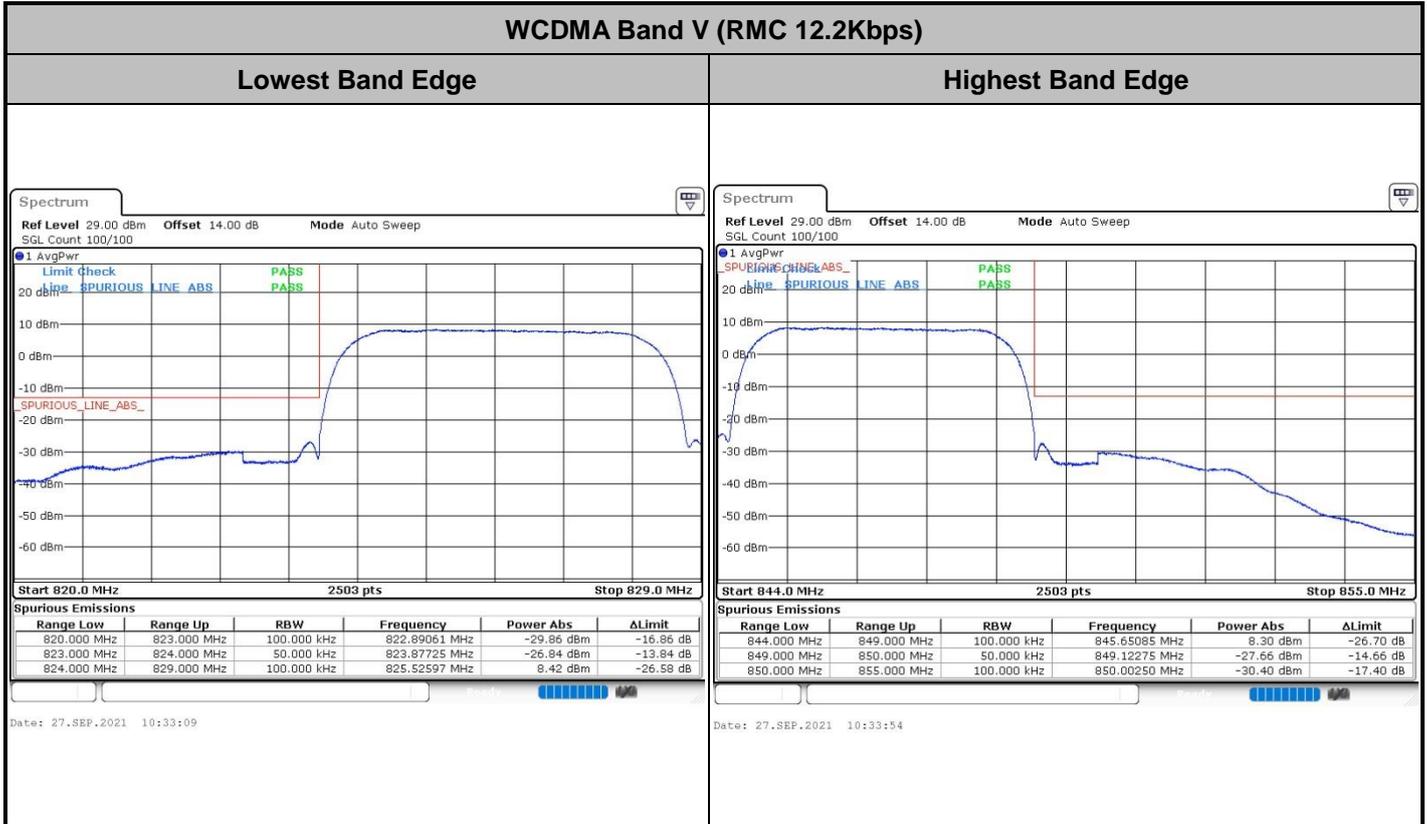
Highest Channel

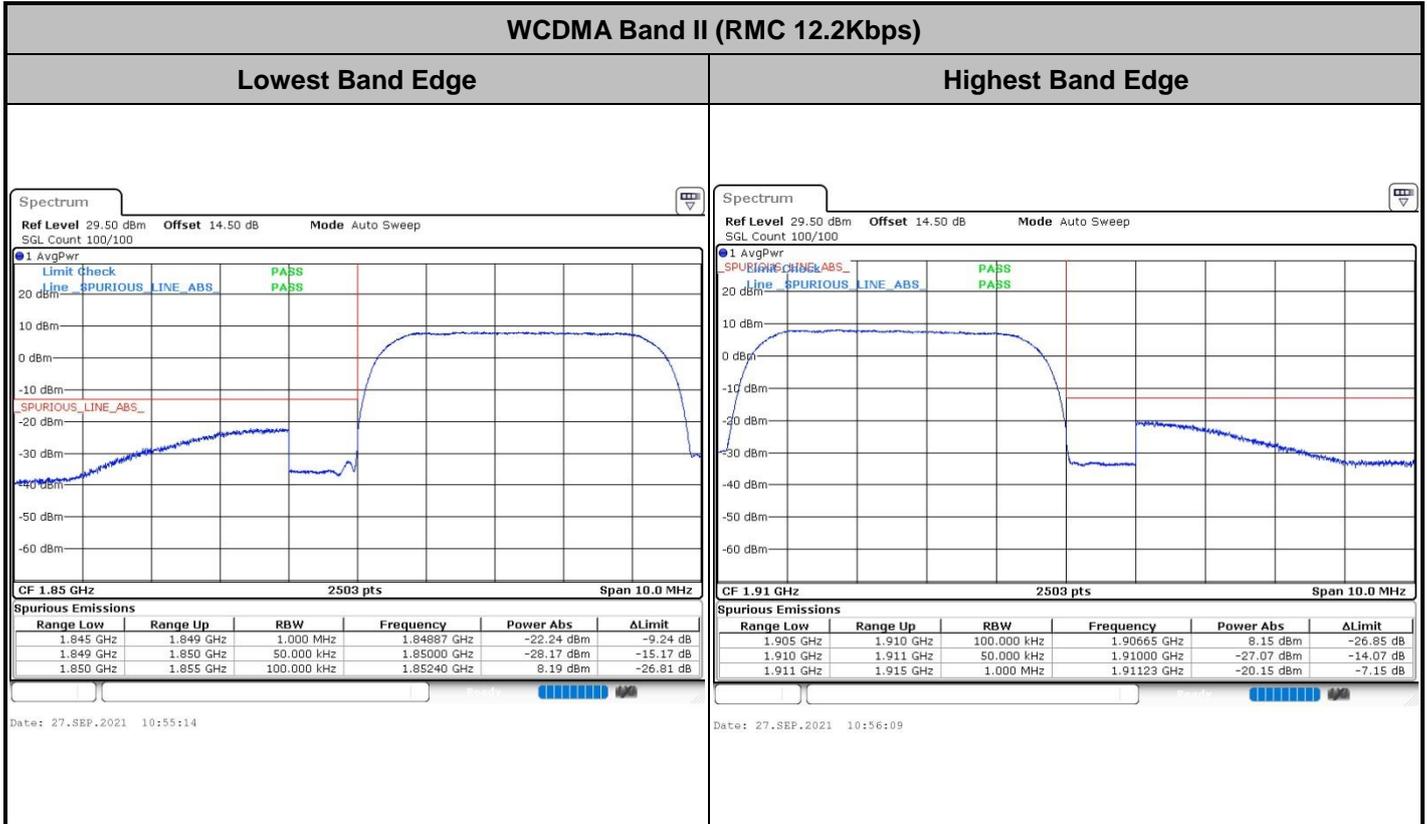


Date: 27\_SEP\_2021 11:09:23



## **Conducted Band Edge**







WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 27.SEP.2021 11:04:02



Date: 27.SEP.2021 11:04:46

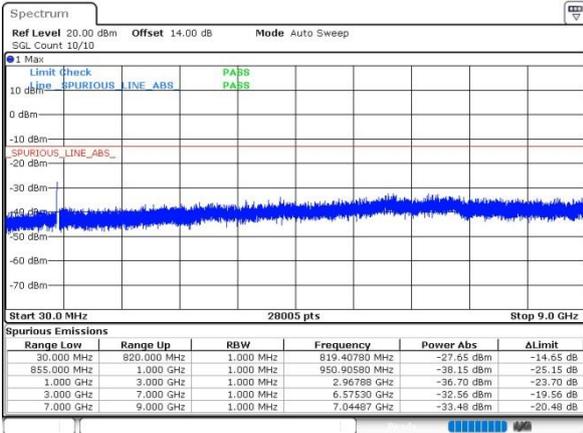


## **Conducted Spurious Emission**



WCDMA Band V (RMC 12.2Kbps)

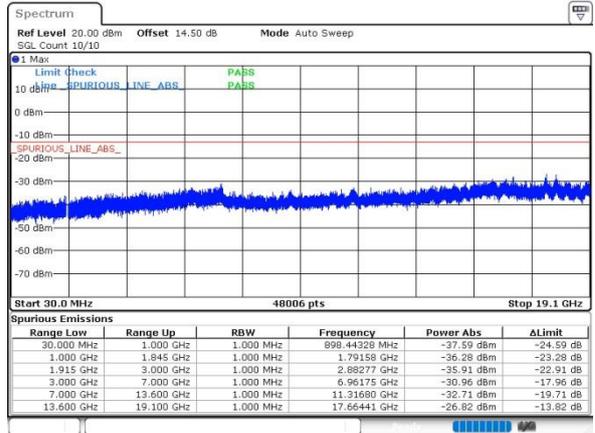
Lowest Channel



Date: 27\_SEP.2021 10:34:47

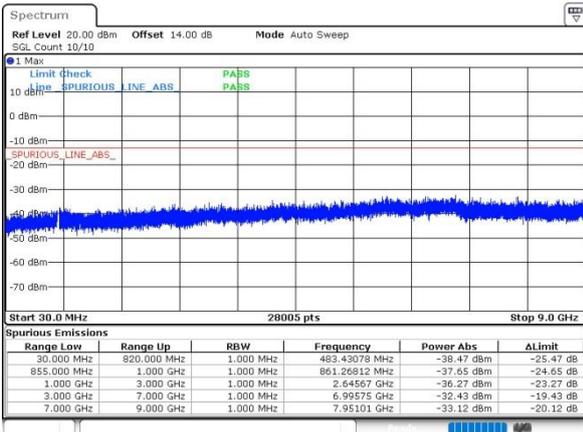
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



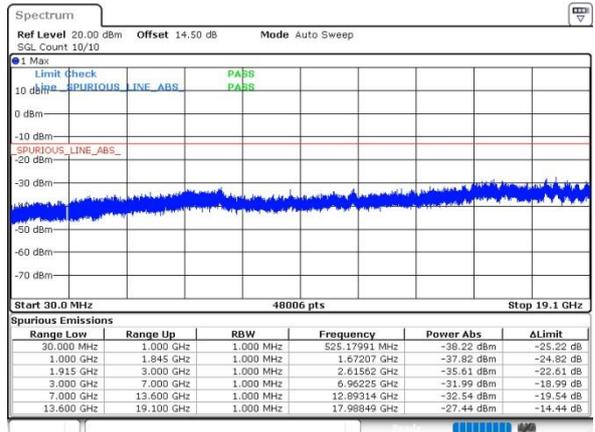
Date: 27\_SEP.2021 10:57:05

Middle Channel



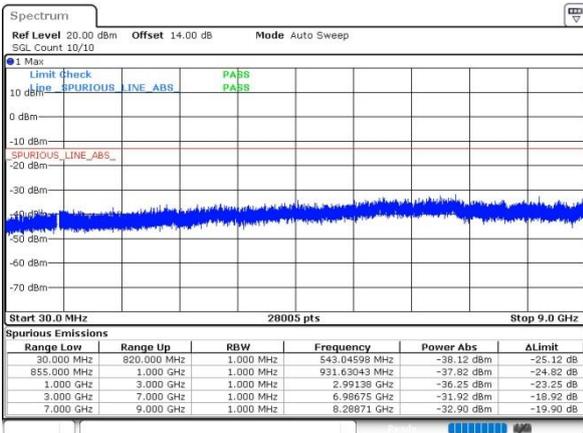
Date: 27\_SEP.2021 10:35:19

Middle Channel



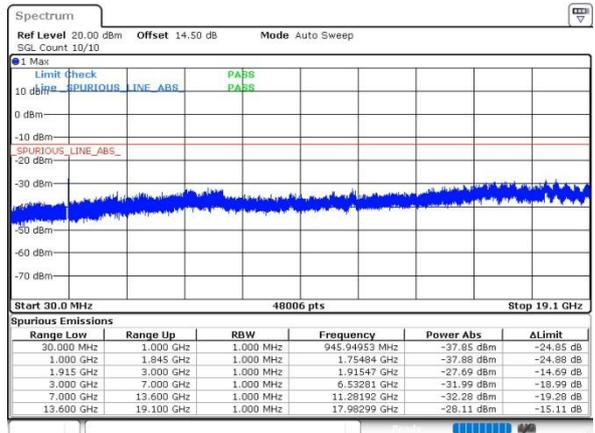
Date: 27\_SEP.2021 10:57:35

Highest Channel



Date: 27\_SEP.2021 10:35:50

Highest Channel

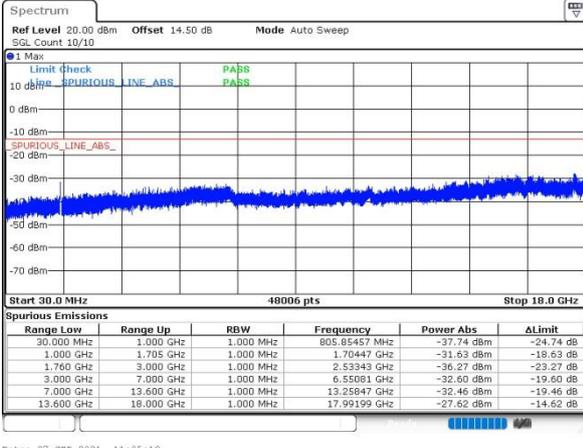


Date: 27\_SEP.2021 10:58:06



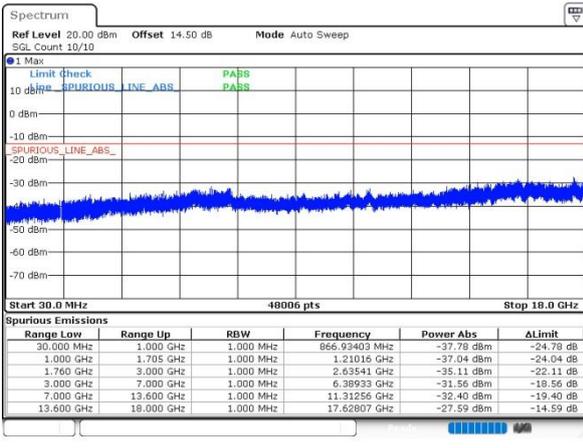
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



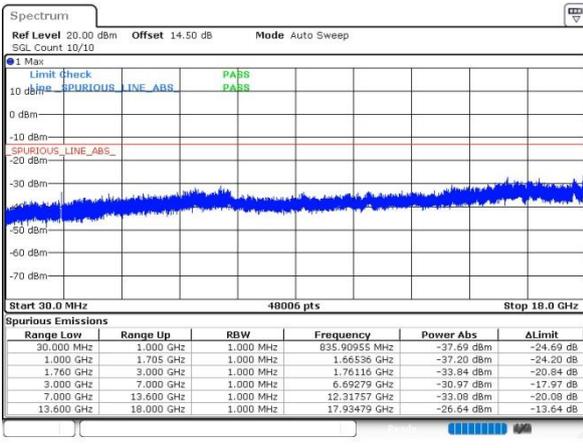
Date: 27\_SEP\_2021 11:05:10

Middle Channel



Date: 27\_SEP\_2021 11:05:54

Highest Channel



Date: 27\_SEP\_2021 11:06:22



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	0.0012	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0091	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0091	
0	Normal Voltage	0.0106	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0088	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

**Note:**

1. Normal Voltage = 7.74V. ; Battery End Point (BEP) = 6.9 V. ; Maximum Voltage =8.9 V
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

GSM850 (GSM)								
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	-65.80	-13	-52.80	-72.77	1.58	10.70	H
	2510	-55.64	-13	-42.64	-63.89	2.102	12.50	H
	3348	-61.85	-13	-48.85	-70.74	2.856	13.90	H
	1672	-63.91	-13	-50.91	-70.88	1.58	10.70	V
	2510	-46.34	-13	-33.34	-54.59	2.10	12.50	V
	3348	-62.06	-13	-49.06	-70.95	2.86	13.90	V

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

GSM850 (EDGE class 8)								
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	-66.04	-13	-53.04	-73.01	1.58	10.70	H
	2510	-55.43	-13	-42.43	-63.68	2.102	12.50	H
	3348	-61.66	-13	-48.66	-70.55	2.856	13.90	H
	1672	-65.19	-13	-52.19	-72.16	1.58	10.70	V
	2510	-55.30	-13	-42.30	-63.55	2.10	12.50	V
	3348	-62.15	-13	-49.15	-71.04	2.86	13.90	V

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

WCDMA Band V(RMC 12.2Kbps)								
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	-66.30	-13	-53.30	-73.27	1.58	10.70	H
	2510	-61.30	-13	-48.30	-69.55	2.102	12.50	H
	3348	-62.03	-13	-49.03	-70.92	2.856	13.90	H
	1672	-64.99	-13	-51.99	-71.96	1.58	10.70	V
	2510	-60.62	-13	-47.62	-68.87	2.10	12.50	V
	3348	-61.84	-13	-48.84	-70.73	2.86	13.90	V

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



GSM1900 (GSM)								
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	3759	-58.35	-13	-45.35	-70.61	2.641	14.90	H
	5640	-57.12	-13	-44.12	-68.98	2.94	14.80	H
	7524	-54.50	-13	-41.50	-64.27	3.39	13.16	H
	3759	-58.06	-13	-45.06	-70.32	2.64	14.90	V
	5640	-57.49	-13	-44.49	-69.35	2.94	14.80	V
	7524	-54.50	-13	-41.50	-64.27	3.39	13.16	V

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

GSM1900 (EDGE class 8)								
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	3759	-58.46	-13	-45.46	-70.72	2.641	14.90	H
	5640	-57.16	-13	-44.16	-69.02	2.94	14.80	H
	7524	-54.70	-13	-41.70	-64.47	3.39	13.16	H
	3759	-57.57	-13	-44.57	-69.83	2.64	14.90	V
	5640	-57.49	-13	-44.49	-69.35	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 II(RMC 12.2Kbps)								
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	3759	-58.41	-13	-45.41	-70.67	2.64	14.90	H
	5640	-56.73	-13	-43.73	-68.59	2.94	14.80	H
	7524	-54.88	-13	-41.88	-64.65	3.39	13.16	H
	3759	-58.14	-13	-45.14	-70.40	2.64	14.90	V
	5640	-57.48	-13	-44.48	-69.34	2.94	14.80	V
	7524	-54.63	-13	-41.63	-64.40	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)								
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	3465	-59.47	-13	-46.47	-70.21	2.604	13.34	H
	5199	-57.29	-13	-44.29	-67.80	3.011	13.52	H
	6936	-56.05	-13	-43.05	-66.25	3.271	13.47	H
	3465	-59.81	-13	-46.81	-70.55	2.604	13.34	V
	5199	-56.99	-13	-43.99	-67.50	3.011	13.52	V
	6936	-55.91	-13	-42.91	-42.91	-66.11	3.271	13.47

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