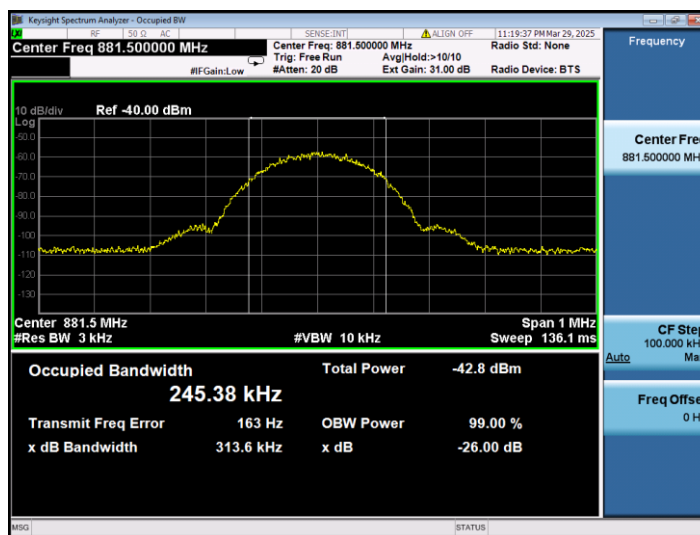


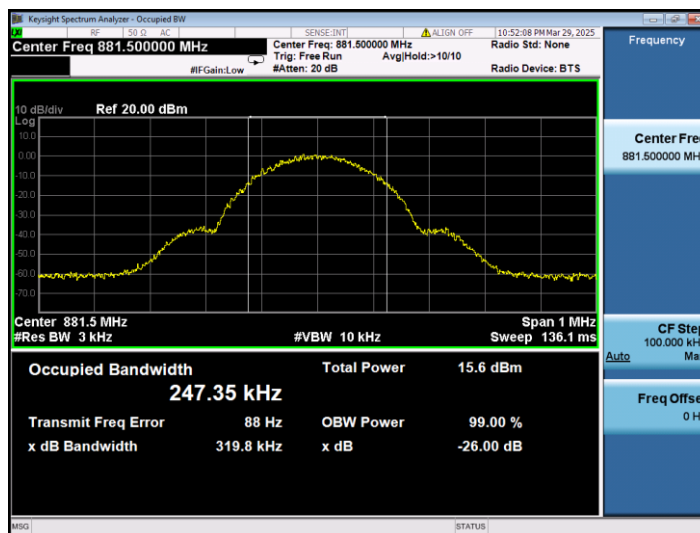
Occupied bandwidth

DL_Cellular Band_GSM signal type

Input



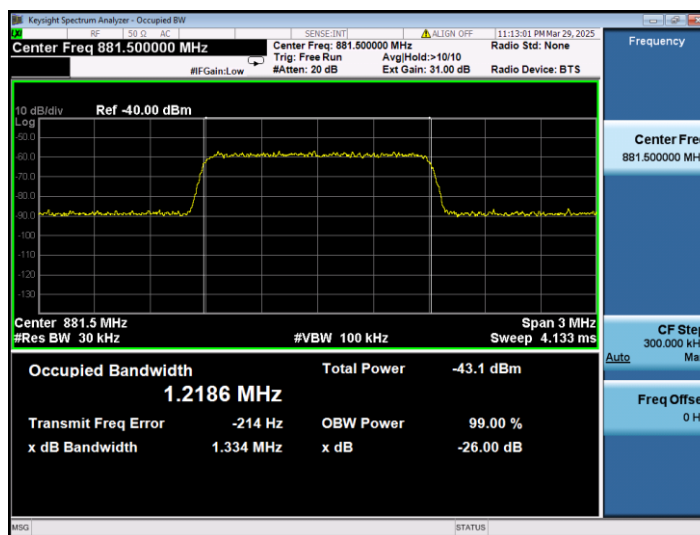
Output



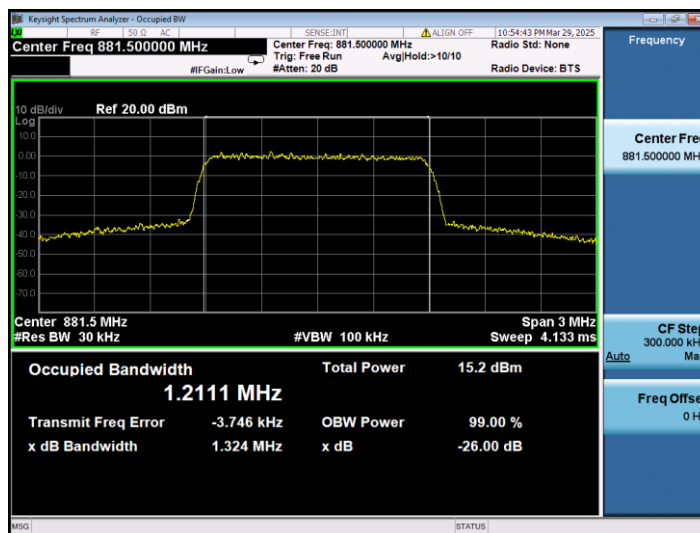
Occupied bandwidth

DL_Cellular Band_1.25MHz AWGN signal type

Input



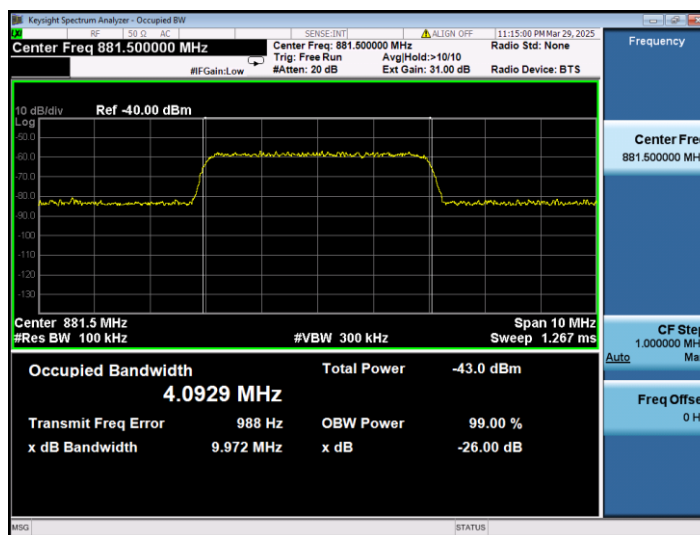
Output



Occupied bandwidth

DL_Cellular Band_4.1MHz AWGN signal type

Input



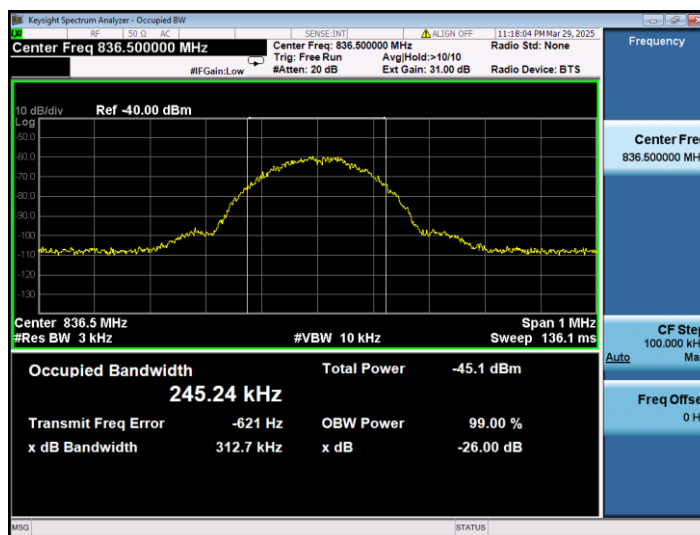
Output



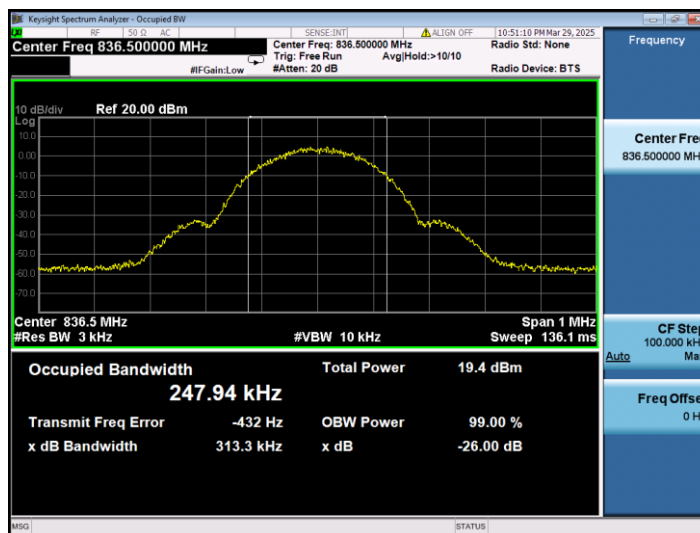
Occupied bandwidth

UL_Cellular Band_GSM signal type

Input



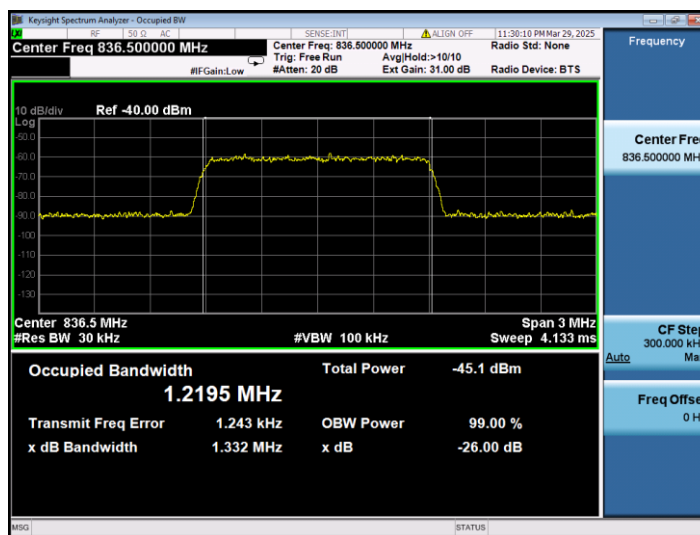
Output



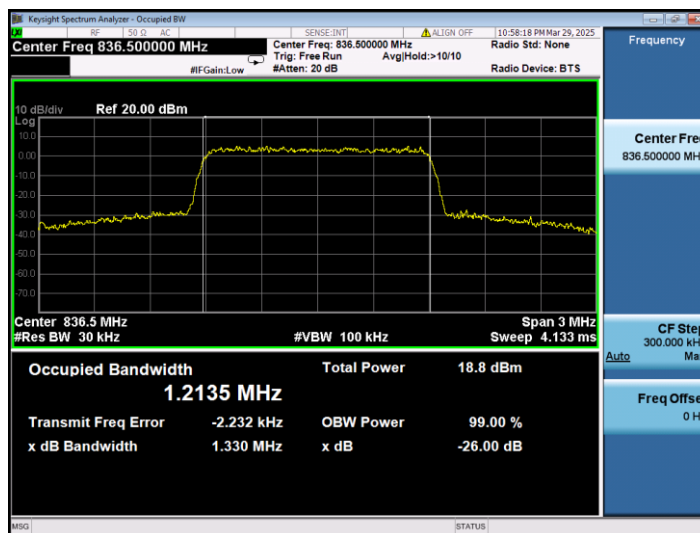
Occupied bandwidth

UL_Cellular Band_1.25MHz AWGN signal type

Input



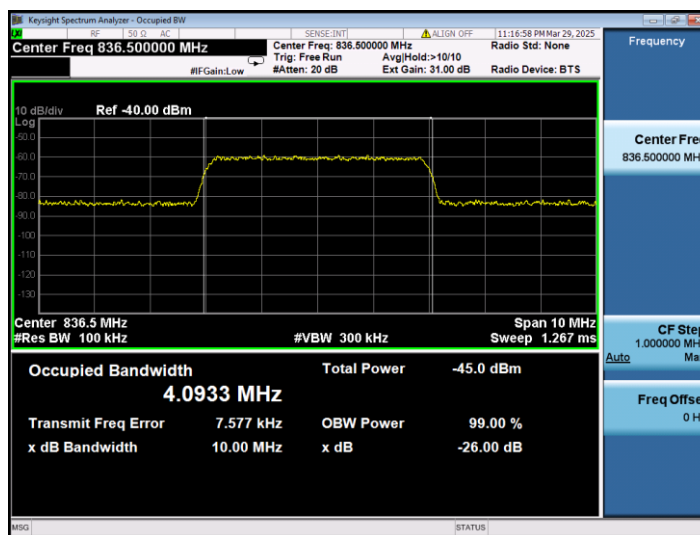
Output



Occupied bandwidth

UL_Cellular Band_4.1MHz AWGN signal type

Input



Output



11 Oscillation detection

Oscillation Restart Tests									
Path	Band	Detection Time (s)	Limit (s)	Oscillation Level (dBm)	Restart Time (s)	Limit (s)	Number of Restart	Limit	Verdict
DL	Cellular	0.090	≤1	19.36	/	≥60	0	≤5	PASS
UL	Cellular	0.070	≤0.3	21.71	/	≥60	0	≤5	PASS
Remark: The EUT will not restart after oscillation detection and mitigation. It can demonstrate compliance to the restart limit without restart time testing.									



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Oscillation Mitigation or Shutdown							
Path	Band	Isolation (dB)	Oscillation Level			Limit (dB)	Verdict
			Highest level (dBm)	Lowest level (dBm)	Difference (dB)		
DL	Cellular	63.72	(shutdown)			≤12	PASS
		62.72					PASS
		61.72					PASS
		60.72					PASS
		59.72					PASS
		58.72					PASS
		57.72					PASS
		56.72					PASS
		55.72					PASS
		54.72					PASS
		53.72					PASS
UL	Cellular	69.64	(shutdown)			≤12	PASS
		68.64					PASS
		67.64					PASS
		66.64					PASS
		65.64					PASS
		64.64					PASS
		63.64					PASS
		62.64					PASS
		61.64					PASS
		60.64					PASS
		59.64					PASS



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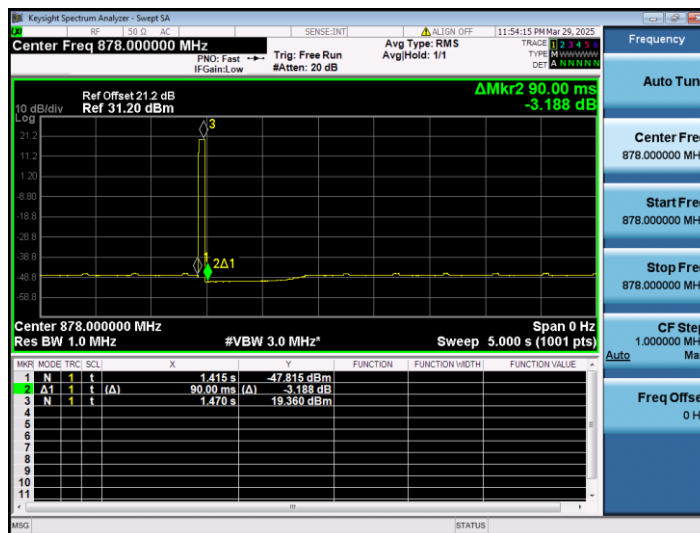
SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing & Calibration Laboratory

No. 198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

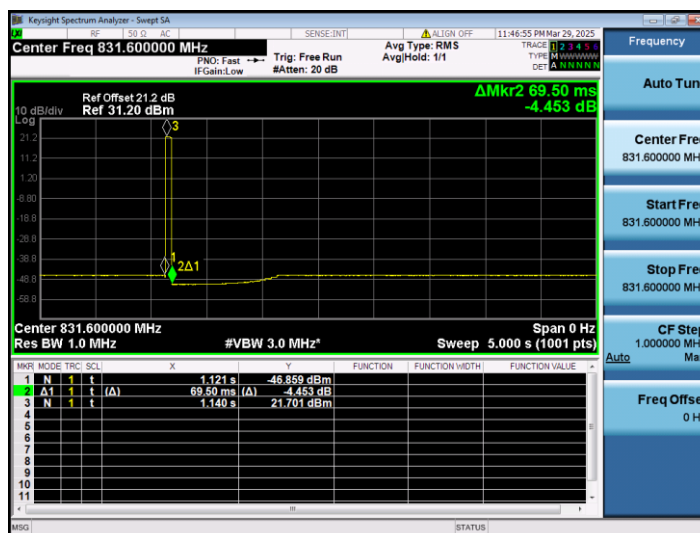
t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Oscillation Restart Test_ Detection time

DL_Cellular Band



UL_Cellular Band

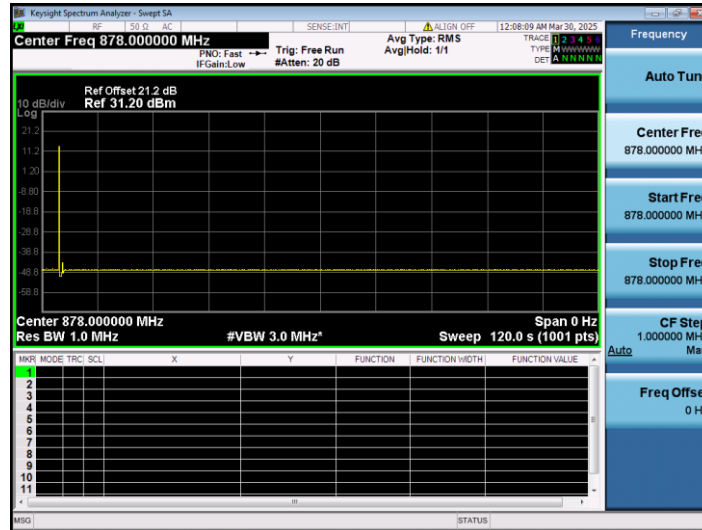


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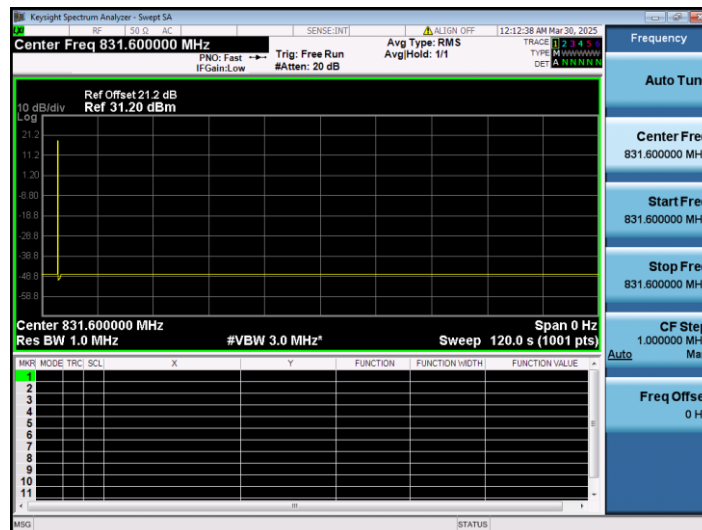
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Oscillation Restart Test_Number

DL_Cellular Band



UL_Cellular Band



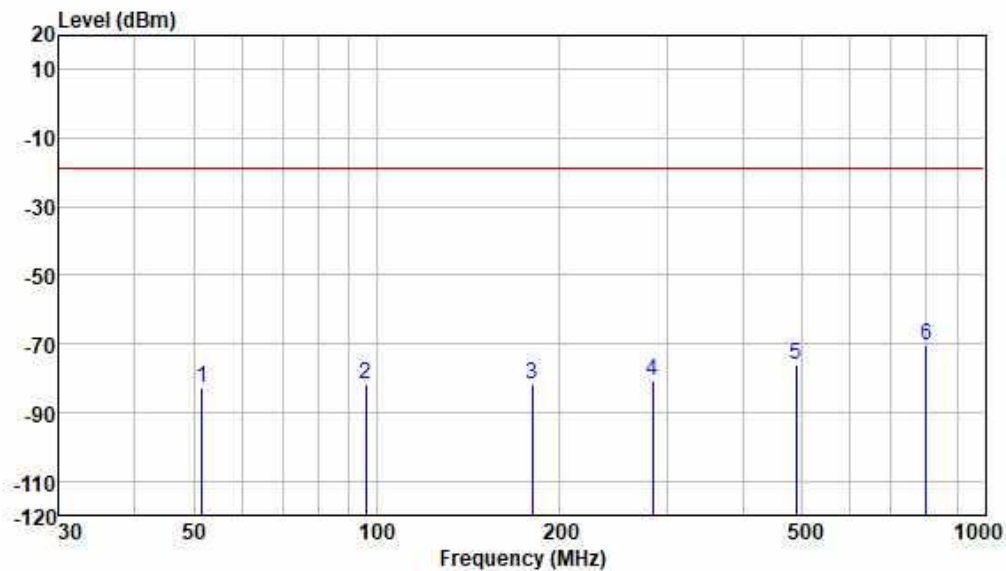
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12 Radiated spurious emissions

Radiated spurious emissions

UL_Cellular Band_30MHz~1GHz



	Freq	Read Level	Correction Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	51.48	-76.68	-6.35	-83.03	-19.00	-64.03	VERTICAL
2	95.76	-75.82	-5.78	-81.60	-19.00	-62.60	VERTICAL
3	180.02	-77.83	-3.94	-81.77	-19.00	-62.77	VERTICAL
4	283.98	-78.22	-2.70	-80.92	-19.00	-61.92	VERTICAL
5	489.03	-77.93	1.99	-75.94	-19.00	-56.94	VERTICAL
6	798.98	-77.71	7.38	-70.33	-19.00	-51.33	VERTICAL

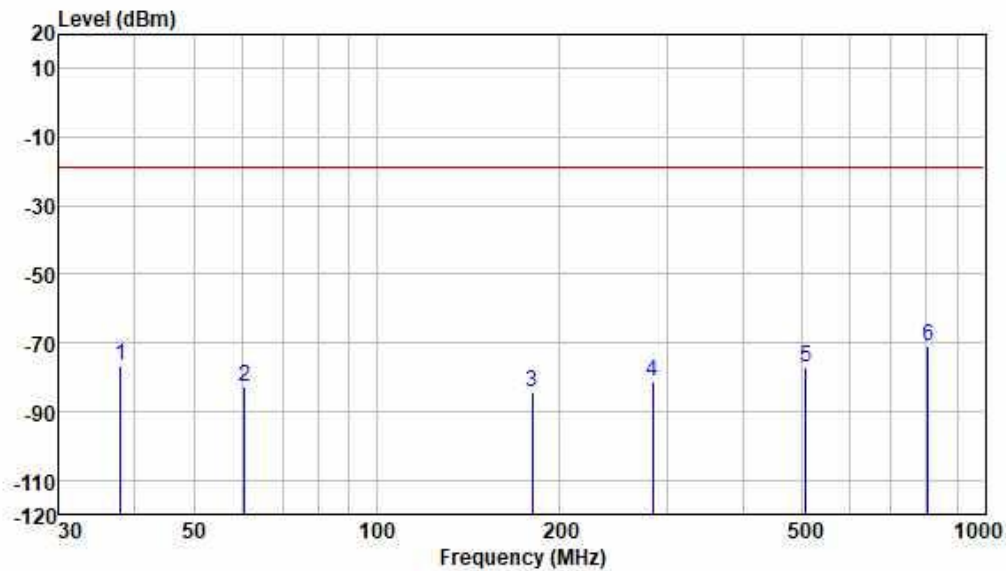


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Radiated spurious emissions

UL_Cellular Band_30MHz~1GHz



	Freq	Read Level	Correction Factor	Level	Limit	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	37.81	-78.75	2.25	-76.50	-19.00	-57.50	HORIZONTAL
2	60.49	-80.43	-2.63	-83.06	-19.00	-64.06	HORIZONTAL
3	180.02	-78.36	-6.01	-84.37	-19.00	-65.37	HORIZONTAL
4	283.98	-78.67	-2.52	-81.19	-19.00	-62.19	HORIZONTAL
5	506.48	-77.76	0.41	-77.35	-19.00	-58.35	HORIZONTAL
6	804.60	-77.99	6.86	-71.13	-19.00	-52.13	HORIZONTAL

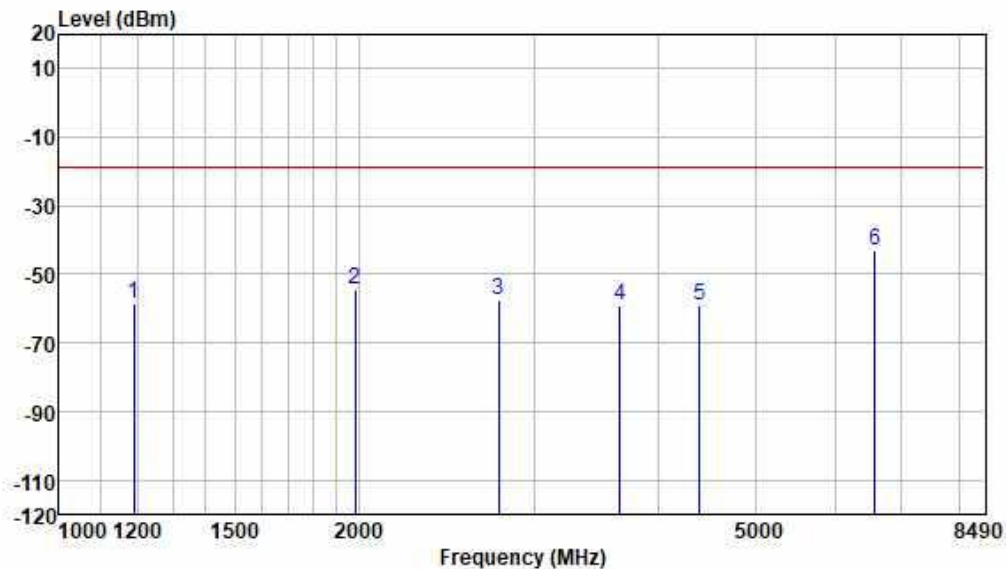


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Radiated spurious emissions

UL_Cellular Band_ Above 1GHz



	Freq	Read Level	Correction Factor	Level	Limit	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1189.16	-61.92	3.18	-58.74	-19.00	-39.74	VERTICAL
2	1982.67	-62.75	8.38	-54.37	-19.00	-35.37	VERTICAL
3	2762.05	-61.83	4.35	-57.48	-19.00	-38.48	VERTICAL
4	3655.26	-63.28	4.37	-58.91	-19.00	-39.91	VERTICAL
5	4393.43	-64.00	4.82	-59.18	-19.00	-40.18	VERTICAL
6	6582.15	-63.39	20.39	-43.00	-19.00	-24.00	VERTICAL

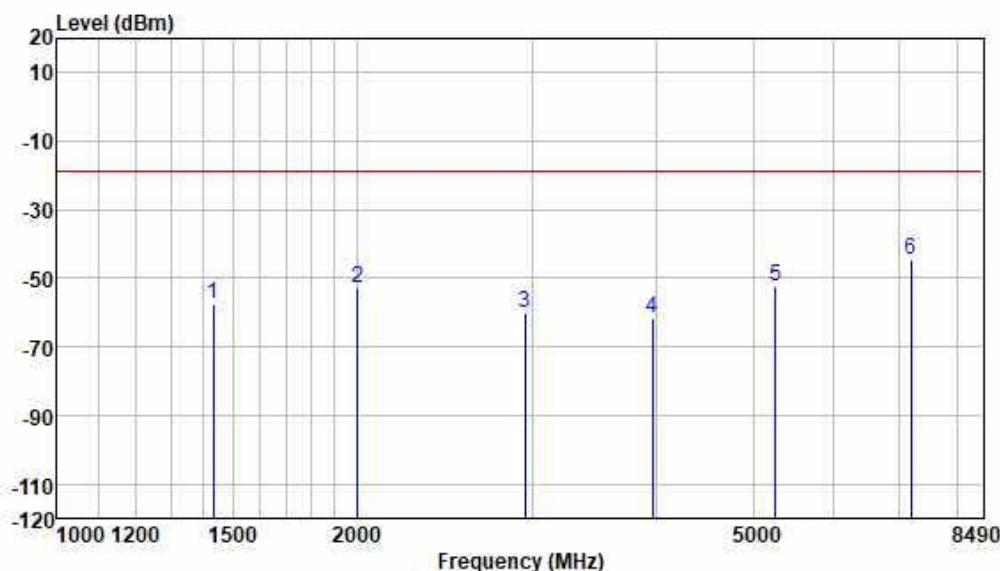


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Radiated spurious emissions

UL_Cellular Band_ Above 1GHz



	Freq	Read Level	Correction Factor	Level	Limit	Over Limit	Pol/Phase
	MHz	dBm	dB	dBm	dBm	dB	
1	1435.44	-62.22	4.64	-57.58	-19.00	-38.58	HORIZONTAL
2	2003.99	-62.88	9.87	-53.01	-19.00	-34.01	HORIZONTAL
3	2945.09	-63.15	3.30	-59.85	-19.00	-40.85	HORIZONTAL
4	3956.29	-64.17	2.77	-61.40	-19.00	-42.40	HORIZONTAL
5	5258.14	-64.51	12.22	-52.29	-19.00	-33.29	HORIZONTAL
6	7185.43	-63.29	18.57	-44.72	-19.00	-25.72	HORIZONTAL

Remark:

Pre-test was performed at uplink and downlink path, the test result always keeps more than 20dB margin, The spurious emissions 9kHz to 30MHz were very low and not displayed in this report. Therefore, only show the worst-case data in this report.

--End of Appendix--



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