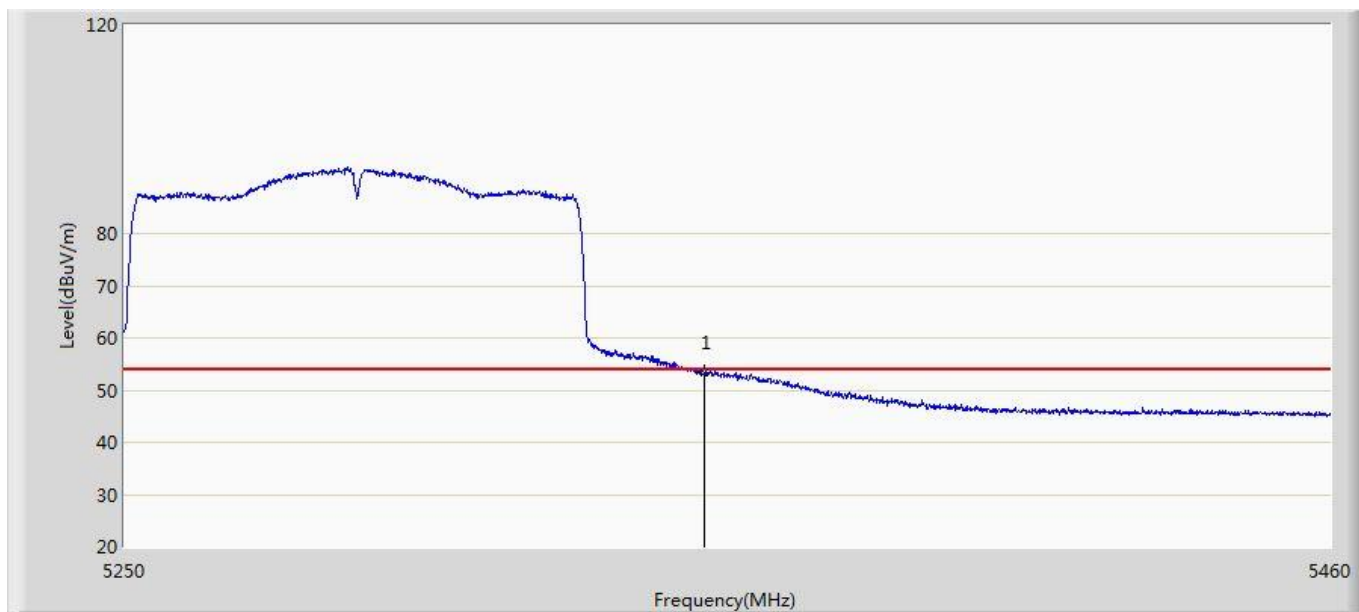
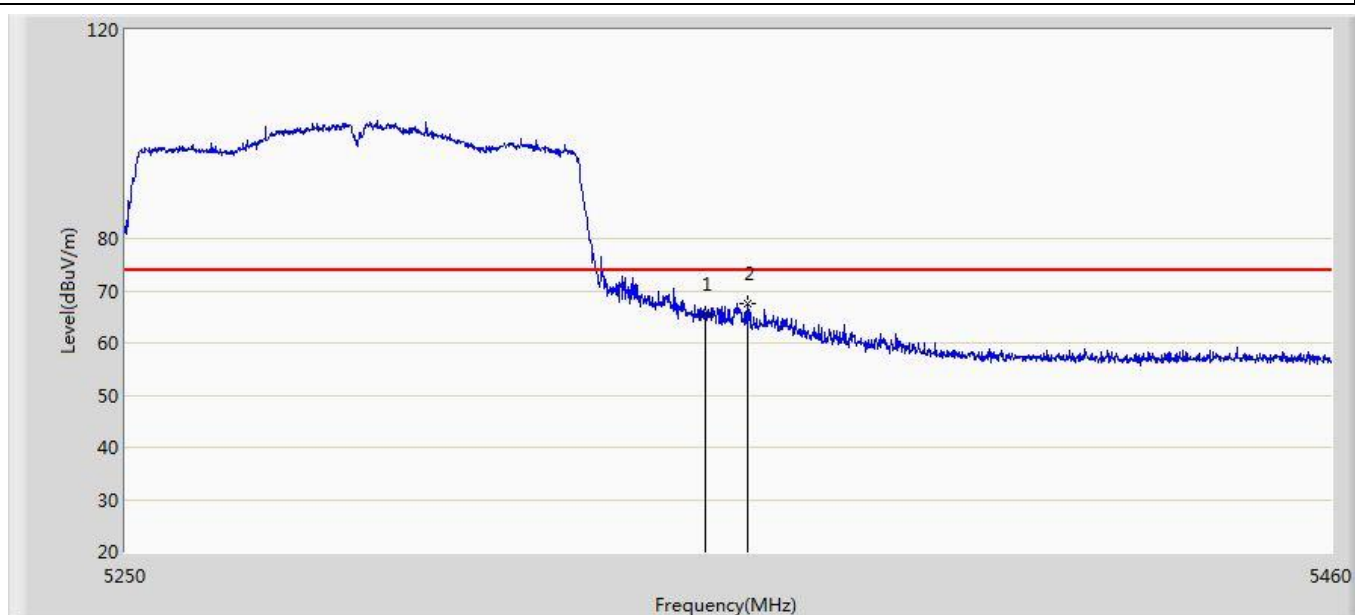


Profile: 2190372R	Page No.: 65
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



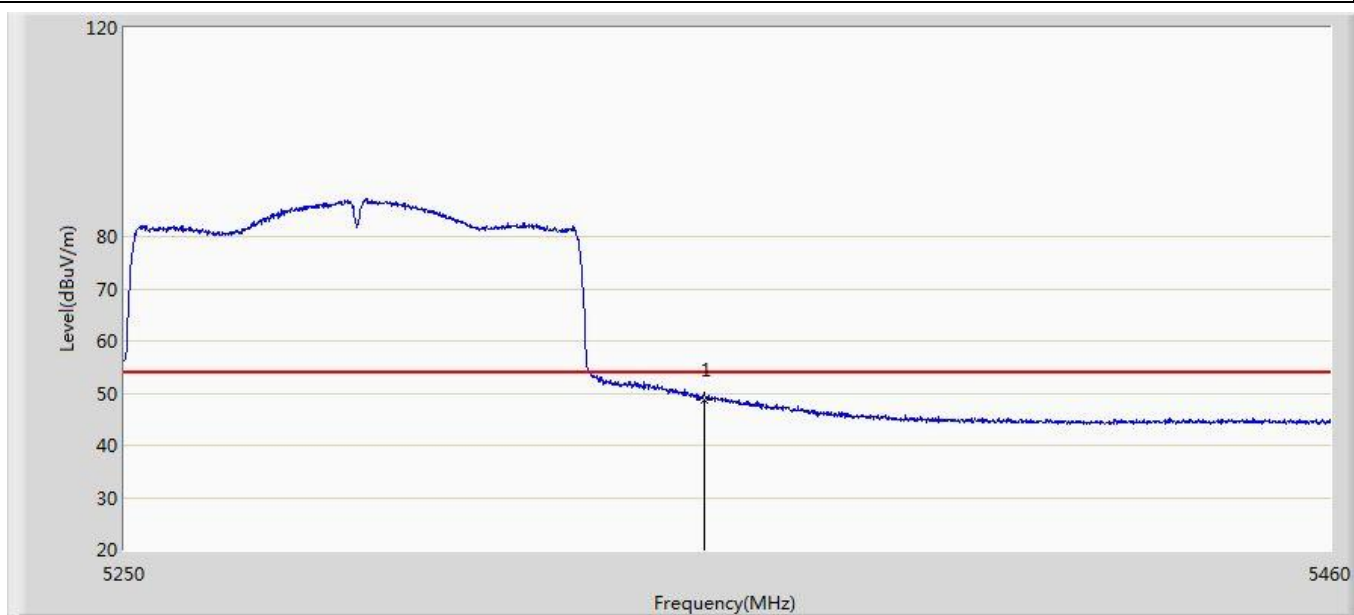
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5350.000	53.218	12.007	-0.782	54.000	41.211	AV

Profile: 2190372R	Page No.: 66
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



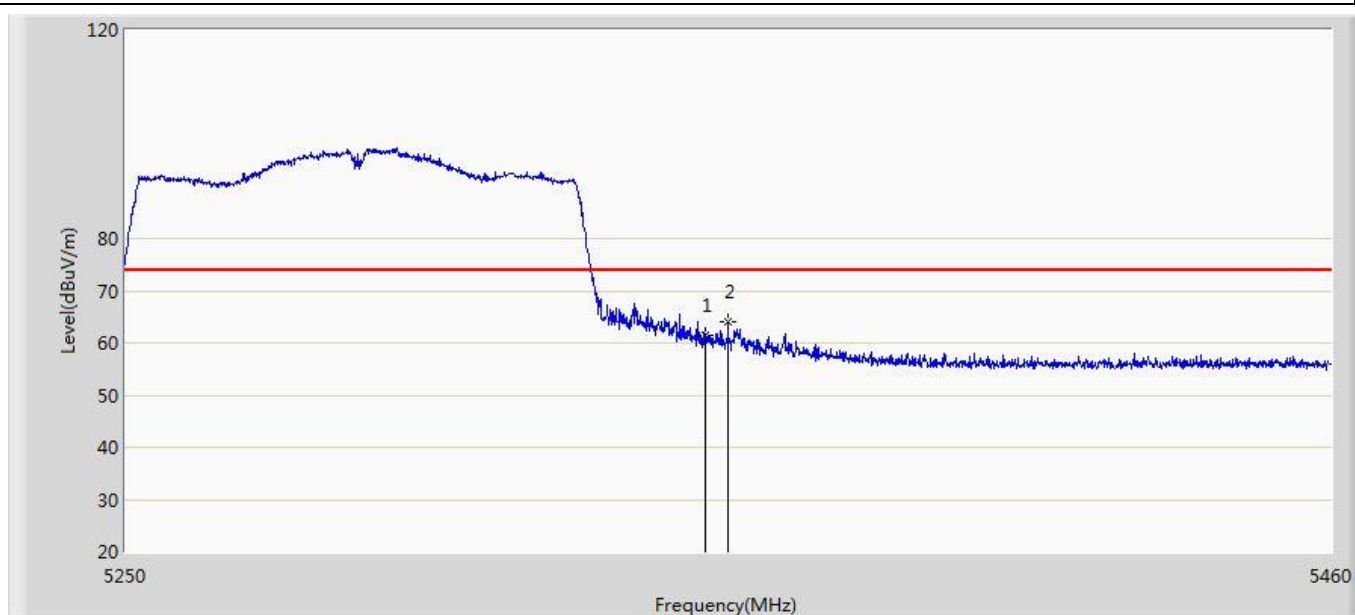
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5350.000	65.399	24.188	-8.601	74.000	41.211	PK
2	*	5357.520	67.647	26.431	-6.353	74.000	41.215	PK

Profile: 2190372R	Page No.: 67
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5350.000	48.696	7.485	-5.304	54.000	41.211	AV

Profile: 2190372R	Page No.: 68
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 11ac80	



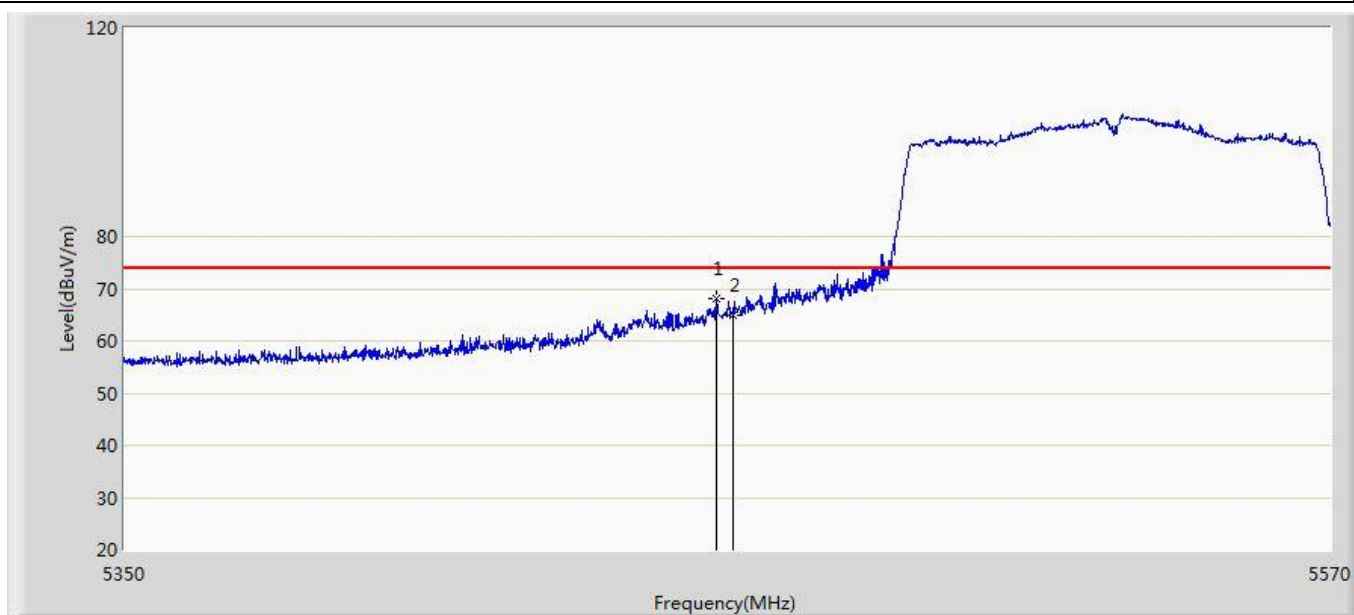
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5350.000	61.475	20.264	-12.525	74.000	41.211	PK
2	*	5353.950	64.046	22.834	-9.954	74.000	41.212	PK

Profile: 2190372R	Page No.: 69
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



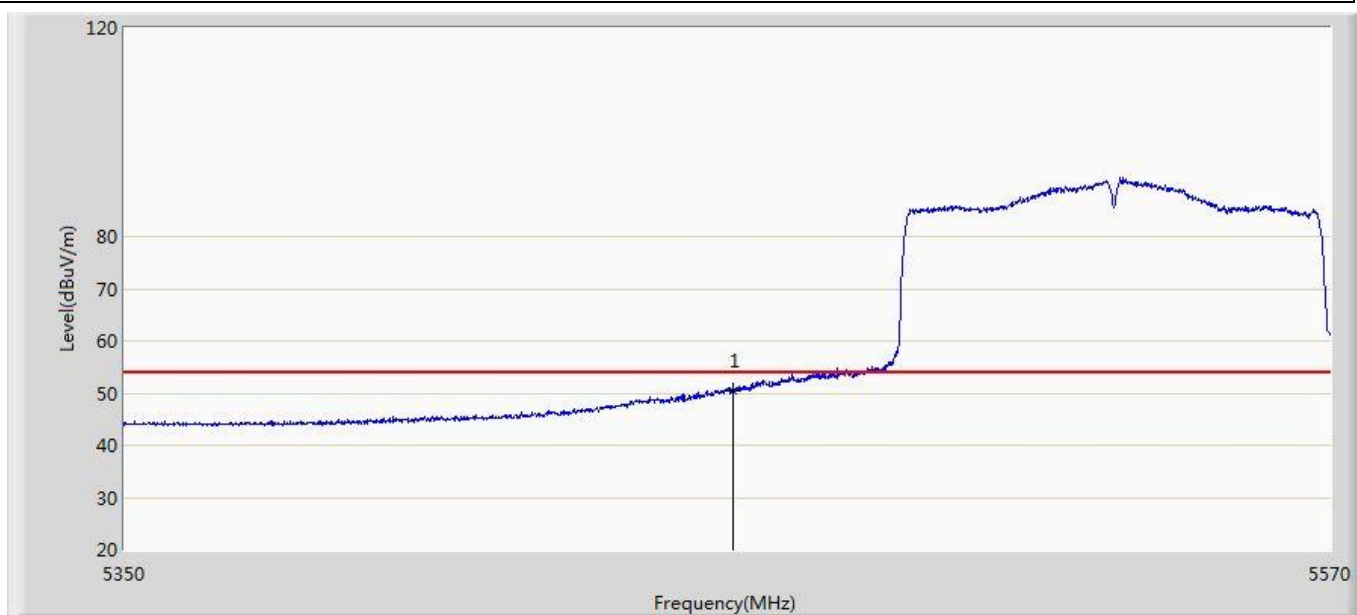
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5460.000	53.218	11.946	-0.782	54.000	41.272	AV

Profile: 2190372R	Page No.: 70
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



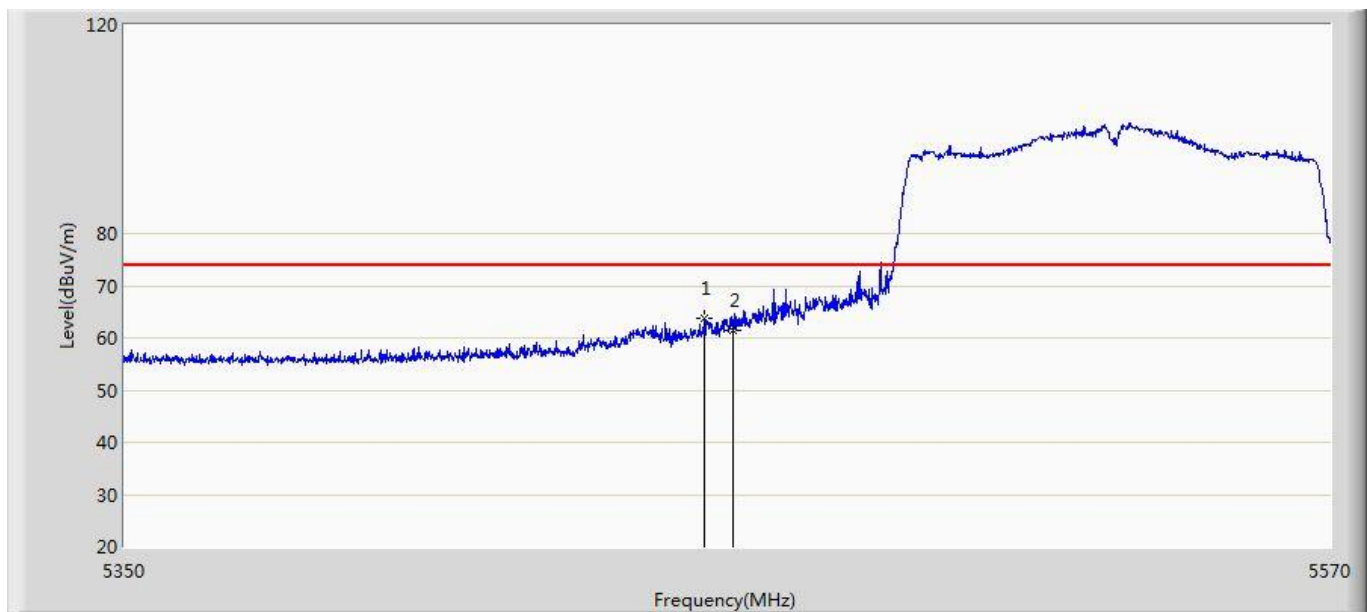
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5457.030	68.156	26.878	-5.844	74.000	41.278	PK
2		5460.000	65.052	23.780	-8.948	74.000	41.272	PK

Profile: 2190372R	Page No.: 71
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



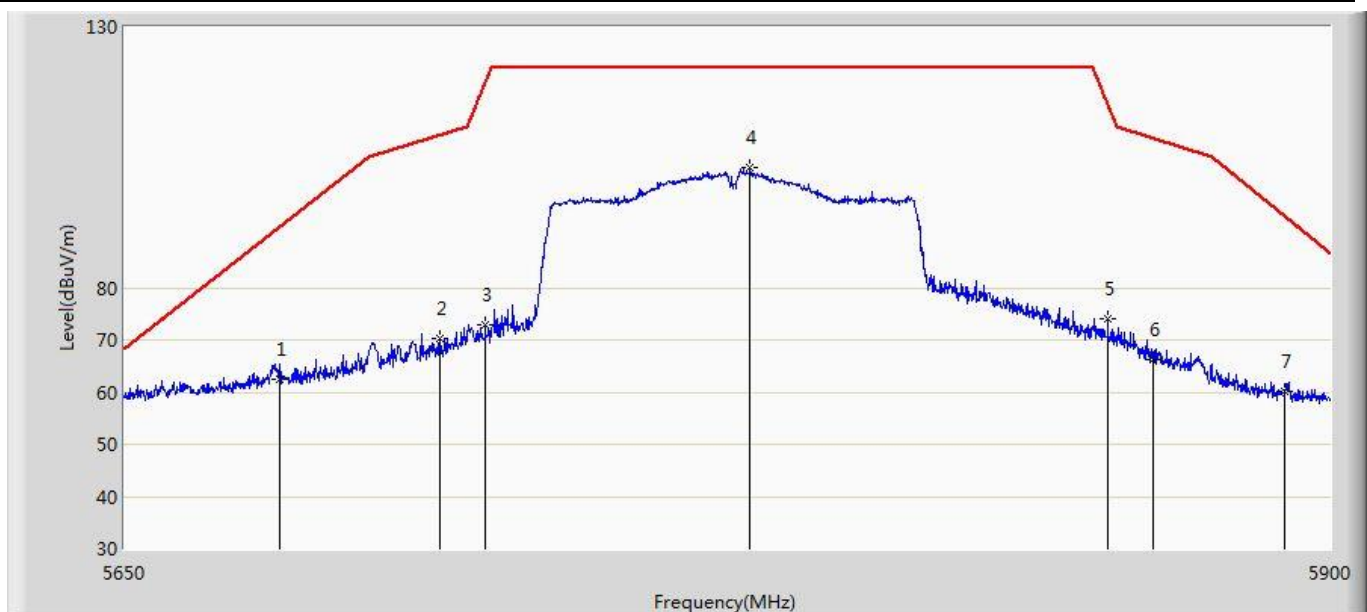
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5460.000	50.380	9.108	-3.620	54.000	41.272	AV

Profile: 2190372R	Page No.: 72
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 02:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 11ac80	



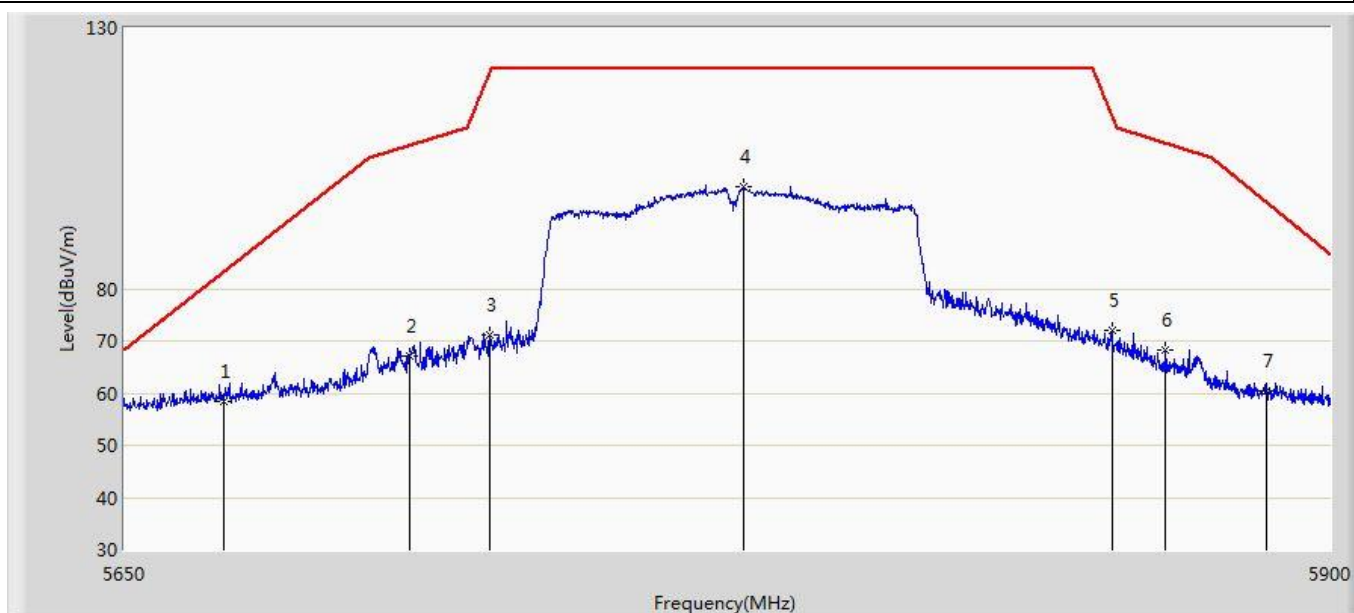
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5454.830	63.855	22.572	-10.145	74.000	41.283	PK
2		5460.000	61.424	20.152	-12.576	74.000	41.272	PK

Profile: 2190372R	Page No.: 99
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 03:26
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5681.750	62.533	20.995	-29.200	91.733	41.538	PK
2		5714.375	70.347	28.737	-38.880	109.227	41.609	PK
3		5723.750	72.955	31.390	-46.396	119.351	41.565	PK
4	*	5778.500	103.004	61.257	-19.196	122.200	41.747	PK
5		5853.125	73.920	31.903	-41.154	115.074	42.017	PK
6		5862.750	66.129	24.089	-42.499	108.628	42.040	PK
7		5890.375	60.042	18.001	-33.747	93.789	42.041	PK

Profile: 2190372R	Page No.: 100
Engineer: Carlos shen	
Site: AC5	Time: 2021/12/17 - 03:27
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: M8 DESKPHONE	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5670.125	58.476	16.949	-24.655	83.132	41.527	PK
2		5708.125	67.167	25.536	-40.310	107.477	41.631	PK
3		5724.625	71.201	29.640	-50.144	121.345	41.561	PK
4	*	5777.125	99.654	57.917	-22.546	122.200	41.737	PK
5		5854.000	71.920	29.901	-41.159	113.079	42.019	PK
6		5865.250	68.298	26.261	-39.630	107.928	42.036	PK
7		5886.625	60.505	18.472	-36.064	96.569	42.033	PK

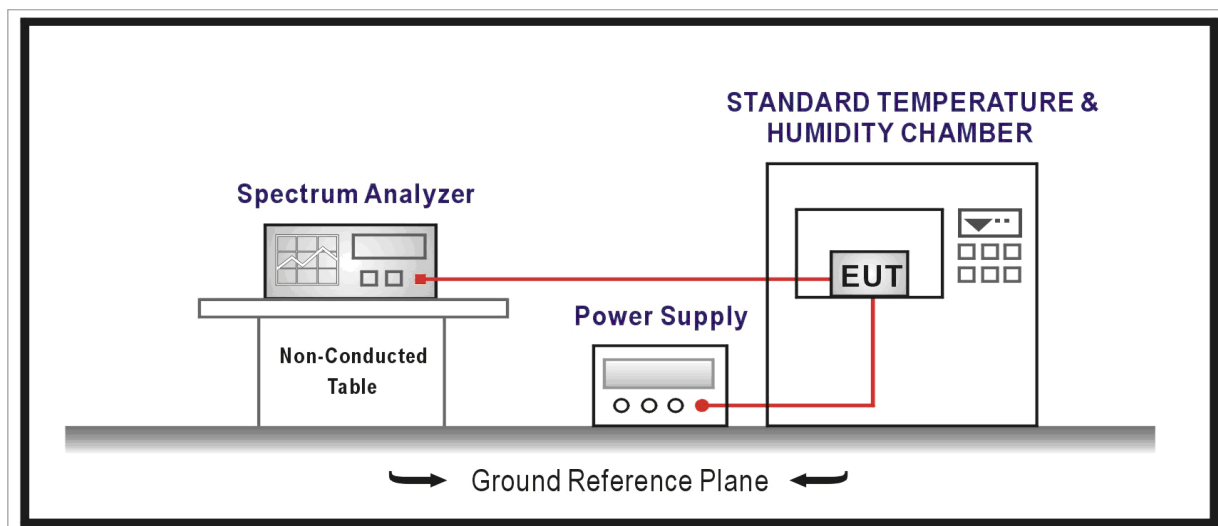
10. Frequency Stability

10.1. Test Equipment

Frequency Stability / TR-7					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2021.07.11	2022.07.10
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2021.03.20	2022.03.19
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2021.07.11	2022.07.10
AC Power Supply	IDRC	CF-500TP	979422	N/A	N/A
DC Power Supply	IDRC	CD-035-020PR	977272	N/A	N/A
Programmable Temperature & Humidity Chamber	Gaoyu	TH-1P-B	WIT-05121302	2022.01.03	2023.01.02
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2021.07.09	2022.07.08

Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



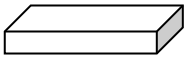
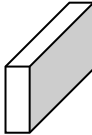
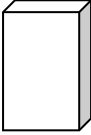
10.3. Limit

Frequency Stability Limit	
UNII Devices	
☒	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
IEEE Std. 802.11n-2009	
☒	The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

10.4. Test Procedure

Frequency Stability Test Method				
	References Rule		Chapter	Description
☒	ANSI C63.10		6.8	Frequency stability tests
	☒	ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	☒	ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

10.5. EUT test Axis definition

Item	Frequency Stability				
Device Category	☐	Indoor use			
	☐	Outdoor use			
	☐	Fix position use			
	☒	Client use			
Test mode	Mode 1-6				
Test method	☐	Radiated			
		X Axis	Y Axis	Z Axis	
					
		Worst Axis ☐	Worst Axis ☐	Worst Axis ☐	
	☒	Conducted			
	☒	Chain 1			
					
	☐	Chain 1	Chain 2		
					
	☐	Chain 1	Chain 2	Chain 3	
					
	☐	Chain 1	Chain 2	Chain 3	Chain 4
					

10.6. Test Result

Product Name	:	M8 DeskPhone
Test Mode	:	Carrier Wave

Frequency Stability under Temperature at 0min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)	ppm	Limit
-30	5220	-85	-0.016	±20
-20	5220	-125	-0.024	±20
-10	5220	42	0.008	±20
0	5220	22	0.004	±20
10	5220	66	0.013	±20
20	5220	-56	-0.011	±20
30	5220	-92	-0.017	±20
40	5220	116	0.023	±20
50	5220	133	0.026	±20

Frequency Stability under Temperature at 2min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)	ppm	Limit
-30	5220	85	0.016	±20
-20	5220	115	0.022	±20
-10	5220	63	0.012	±20
0	5220	47	0.009	±20
10	5220	-36	-0.007	±20
20	5220	-73	-0.014	±20
30	5220	56	0.011	±20
40	5220	102	0.019	±20
50	5220	126	0.025	±20

Frequency Stability under Temperature at 5min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)	ppm	Limit
-30	5220	-75	-0.015	± 20
-20	5220	-83	-0.016	± 20
-10	5220	-43	-0.008	± 20
0	5220	35	0.007	± 20
10	5220	46	0.009	± 20
20	5220	96	0.019	± 20
30	5220	82	0.016	± 20
40	5220	-74	-0.014	± 20
50	5220	116	0.022	± 20

Frequency Stability under Temperature at 10min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)	ppm	Limit
-30	5220	87	0.017	±20
-20	5220	105	0.020	±20
-10	5220	76	0.015	±20
0	5220	45	0.009	±20
10	5220	53	0.010	±20
20	5220	-61	-0.012	±20
30	5220	-72	-0.014	±20
40	5220	92	0.018	±20
50	5220	83	0.016	±20

Frequency Stability under Voltage

AC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)	ppm	Limit
102	5220	71	0.014	±20
120	5220	85	0.016	±20
138	5220	66	0.012	±20

11. Antenna Requirement

11.1. Limit

Antenna Requirement Limit	
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	

11.2. Antenna Connector Construction

Antenna Connector Construction	
☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

_____ The End _____