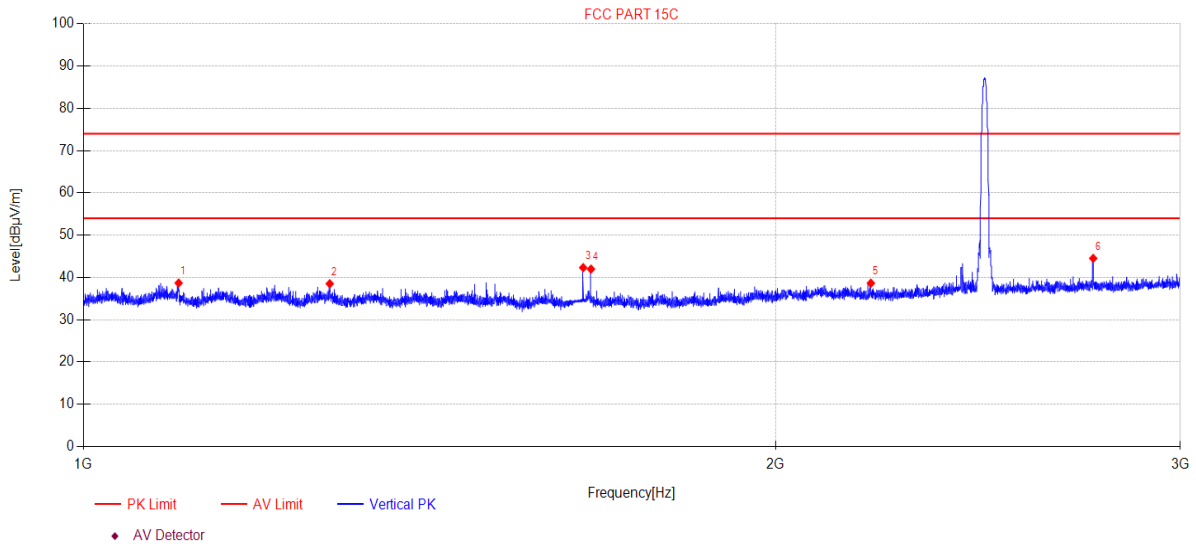
TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-26	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.4°C;Humi:45.6%;Press:100.7kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\44		
Memo:	11B 2462		

Test Graph



Suspected Data List

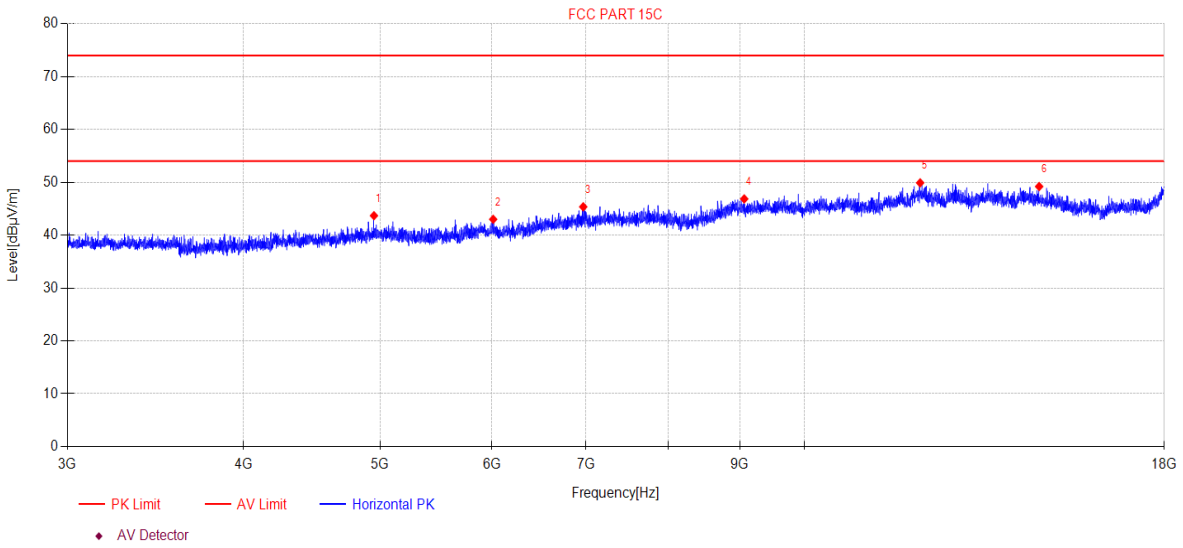
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	1100.04	49.63	-10.95	38.68	74.00	35.32	PK	Vertical
2	1279.83	49.48	-10.97	38.51	74.00	35.49	PK	Vertical
3	1649.69	53.96	-11.64	42.32	74.00	31.68	PK	Vertical
4	1662.61	53.59	-11.62	41.97	74.00	32.03	PK	Vertical
5	2200.59	48.66	-10.02	38.64	74.00	35.36	PK	Vertical
6	2749.42	53.27	-8.75	44.52	74.00	29.48	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-27	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.4°C;Humi:45.6%;Press:100.7kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\45		
Memo:	11B 2462		

Test Graph



Suspected Data List

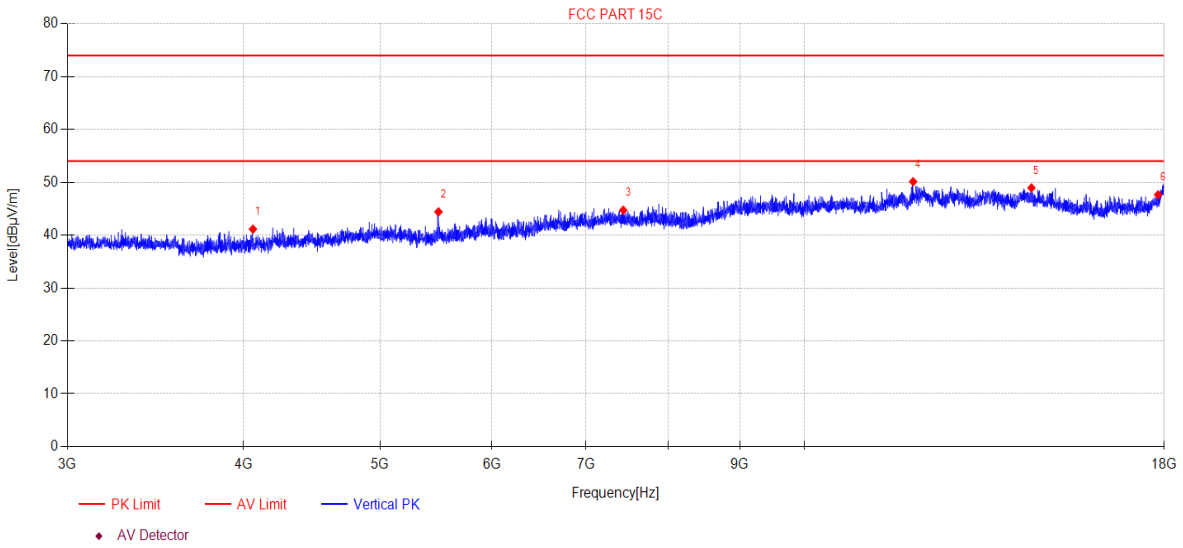
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4949.86	48.60	-4.91	43.69	74.00	30.31	PK	Horizontal
2	6014.08	46.09	-3.09	43.00	74.00	31.00	PK	Horizontal
3	6967.05	46.56	-1.20	45.36	74.00	28.64	PK	Horizontal
4	9062.97	44.00	2.86	46.86	74.00	27.14	PK	Horizontal
5	12080.18	44.82	5.08	49.90	74.00	24.10	PK	Horizontal
6	14672.17	43.18	6.02	49.20	74.00	24.80	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-27	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.4°C;Humi:45.6%;Press:100.7kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\46		
Memo:	11B 2462		

Test Graph

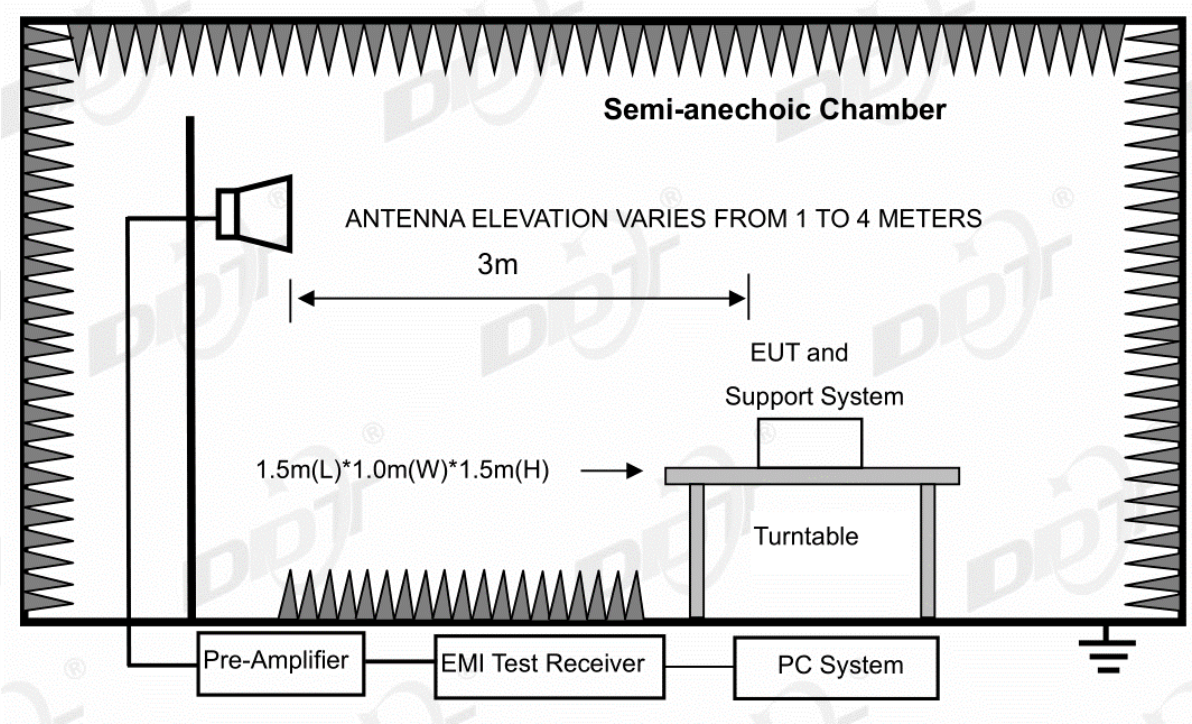


Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	4061.57	48.45	-7.31	41.14	74.00	32.86	PK	Vertical
2	5499.76	48.91	-4.50	44.41	74.00	29.59	PK	Vertical
3	7437.88	45.40	-0.67	44.73	74.00	29.27	PK	Vertical
4	11942.46	45.32	4.81	50.13	74.00	23.87	PK	Vertical
5	14489.31	42.82	6.12	48.94	74.00	25.06	PK	Vertical
6	17820.31	40.15	7.50	47.65	74.00	26.35	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11. Radiated Band Edge Compliance

11.1. Block diagram of test setup



11.2. Limit

All restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400 MHz to 2483.5 MHz shall be at least 20dB below the fundamental emissions or comply with FCC 15.209 limits.

11.3. Test Procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2430 MHz and 2445 MHz to 2500 MHz, 2310 MHz to 2445 MHz and 2425 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

11.4. Test result

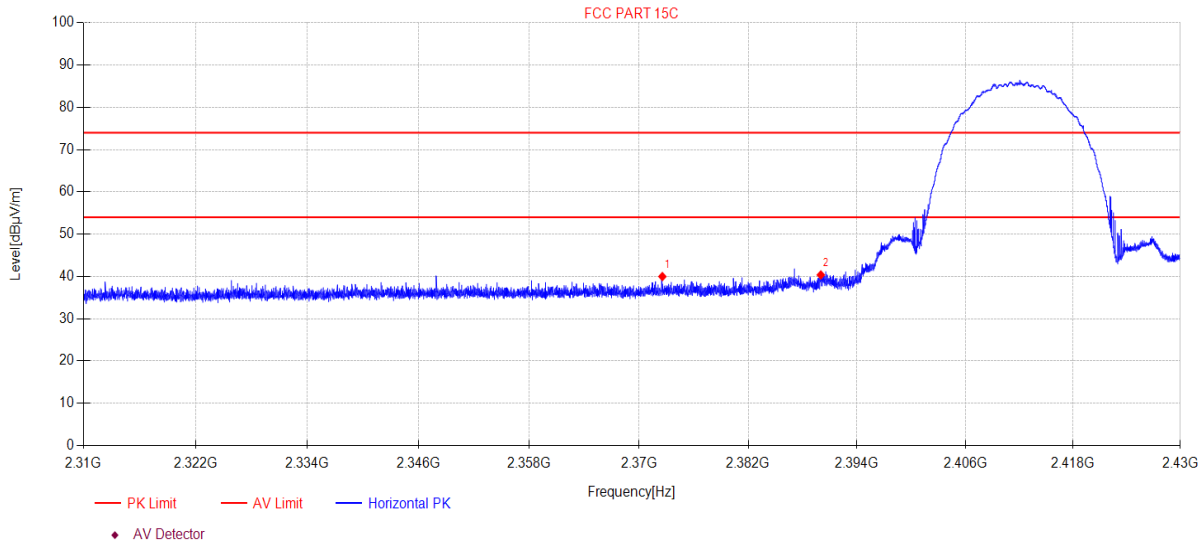
Pass. (See below detailed test result)

Note: All mode were tested and only the worst case was recorded this report.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-26	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.4°C;Humi:45.6%;Press:100.7kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\37		
Memo:	11B 2412		

Test Graph



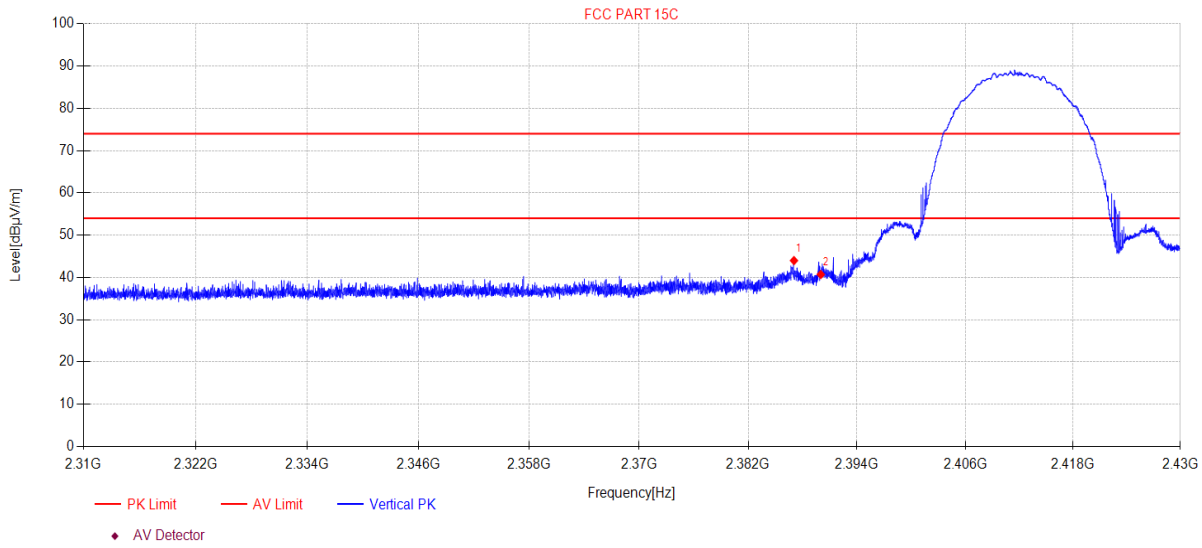
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2372.58	49.73	-9.75	39.98	74.00	34.02	PK	Horizontal
2	2390.00	50.08	-9.72	40.36	74.00	33.64	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-26	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.4°C;Humi:45.6%;Press:100.7kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\38		
Memo:	11B 2412		

Test Graph



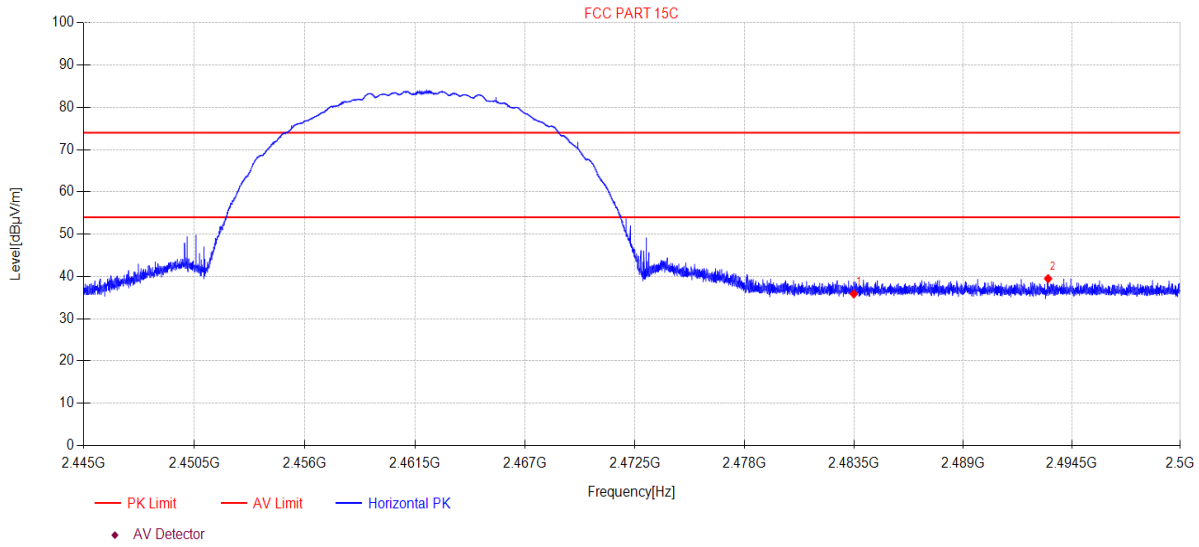
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2387.04	53.72	-9.73	43.99	74.00	30.01	PK	Vertical
2	2390.00	50.42	-9.72	40.70	74.00	33.30	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\63		
Memo:	11B 2462		

Test Graph



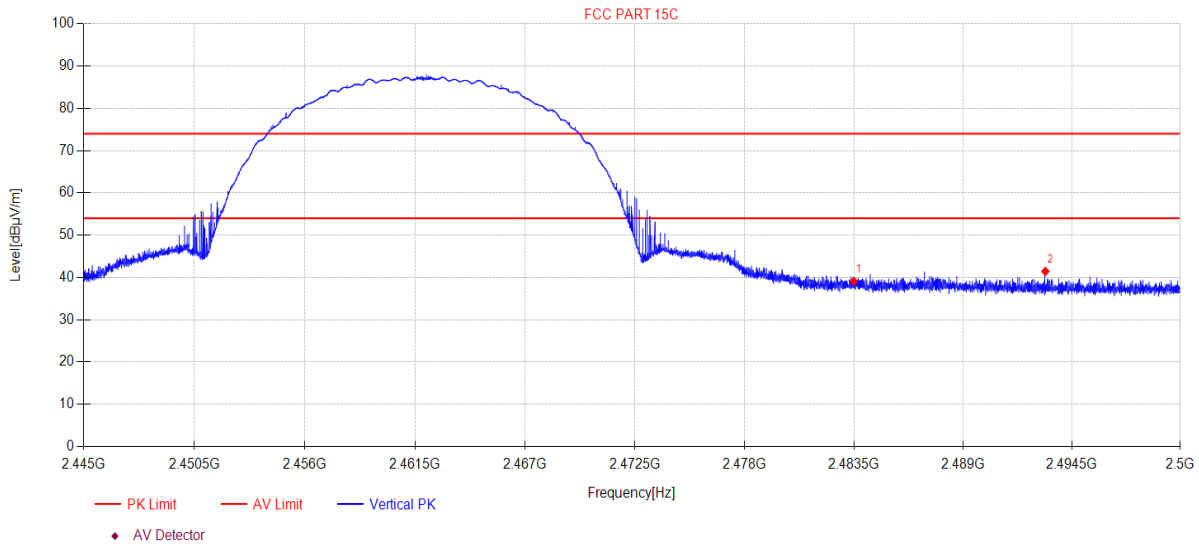
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	45.32	-9.46	35.86	74.00	38.14	PK	Horizontal
2	2493.31	48.89	-9.42	39.47	74.00	34.53	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\64		
Memo:	11B 2462		

Test Graph



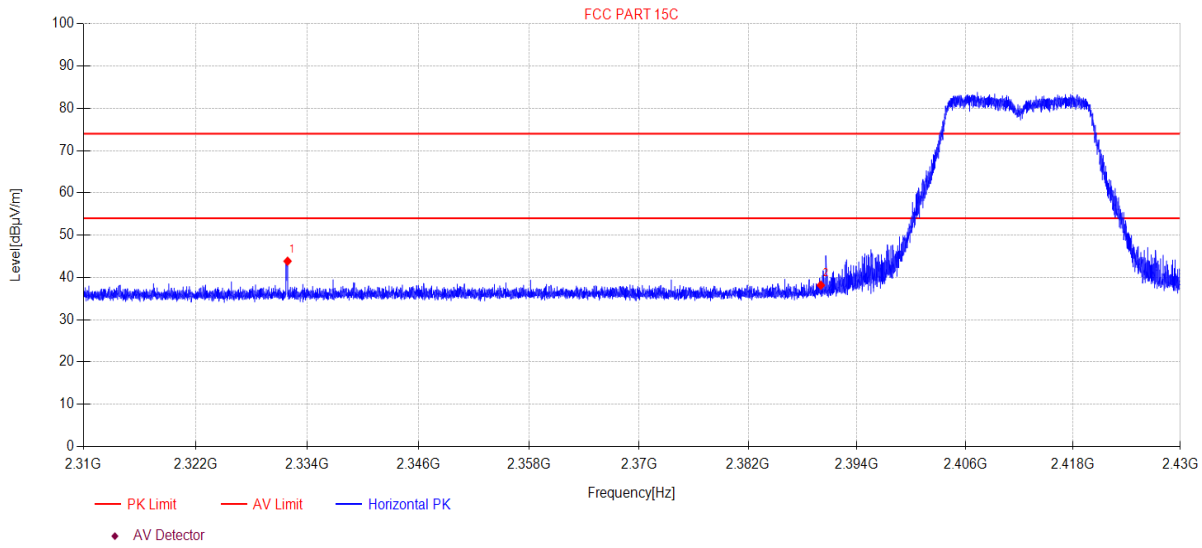
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	48.55	-9.46	39.09	74.00	34.91	PK	Vertical
2	2493.17	50.85	-9.42	41.43	74.00	32.57	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\55		
Memo:	11G 2412		

Test Graph



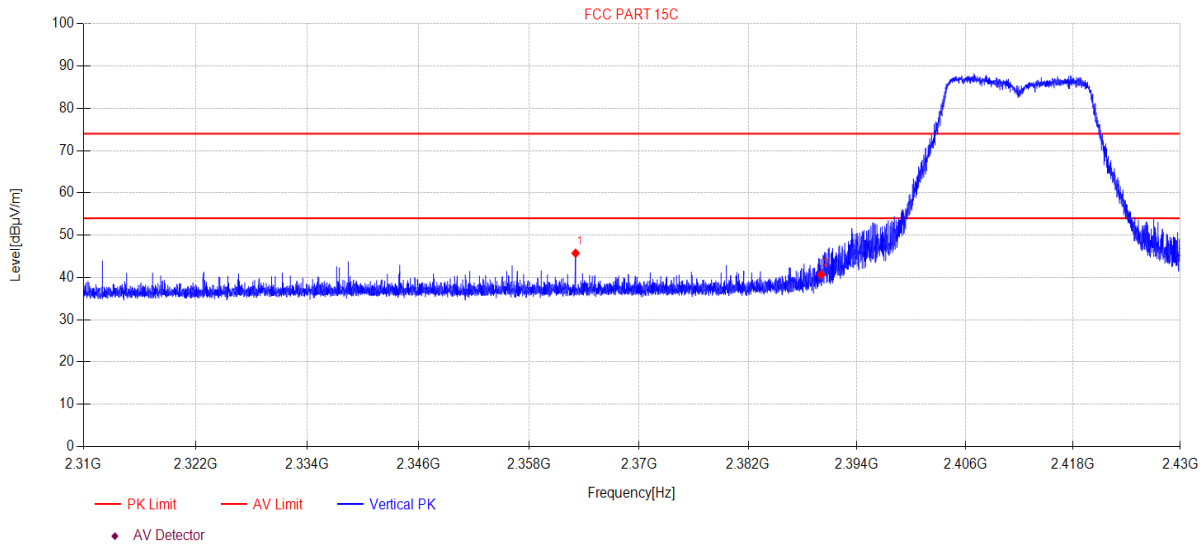
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2331.88	53.68	-9.84	43.84	74.00	30.16	PK	Horizontal
2	2390.00	47.89	-9.72	38.17	74.00	35.83	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\56		
Memo:	11G 2412		

Test Graph



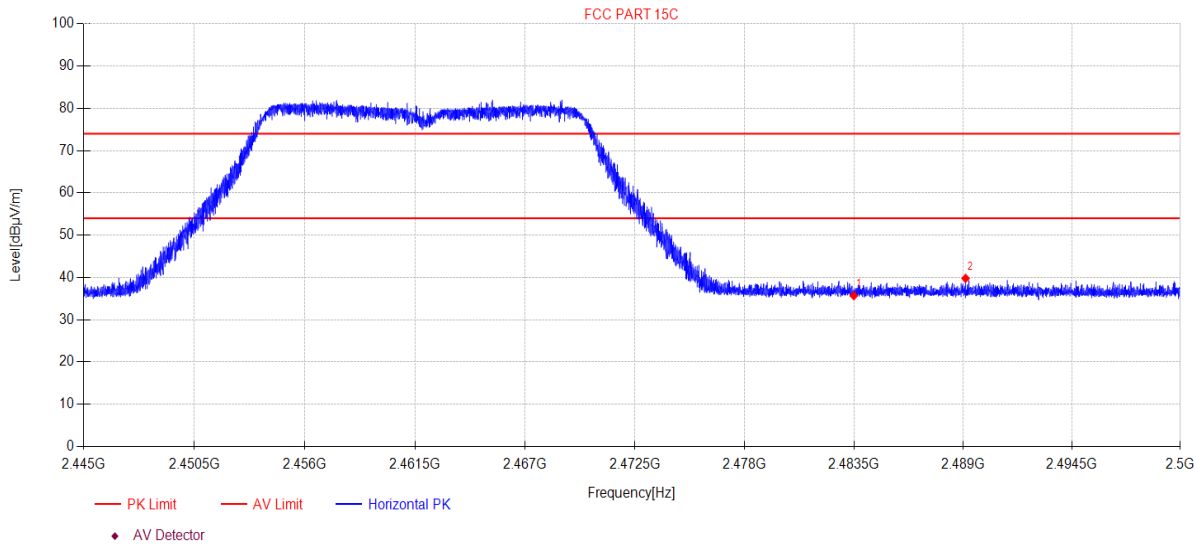
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2363.09	55.51	-9.77	45.74	74.00	28.26	PK	Vertical
2	2390.00	50.37	-9.72	40.65	74.00	33.35	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\61		
Memo:	11G 2462		

Test Graph



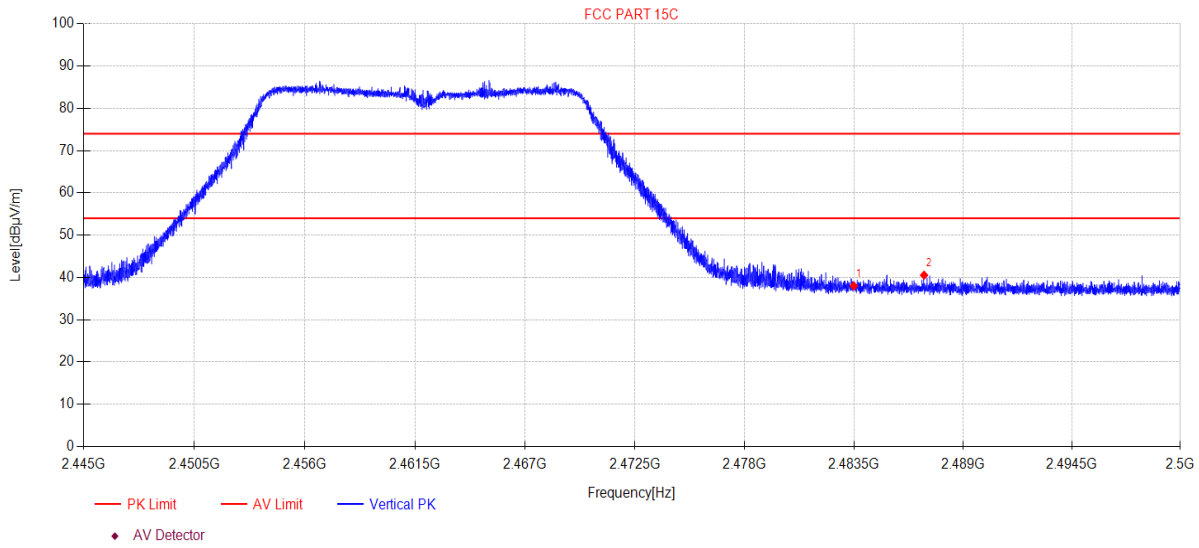
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	45.14	-9.46	35.68	74.00	38.32	PK	Horizontal
2	2489.14	49.22	-9.43	39.79	74.00	34.21	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\62		
Memo:	11G 2462		

Test Graph



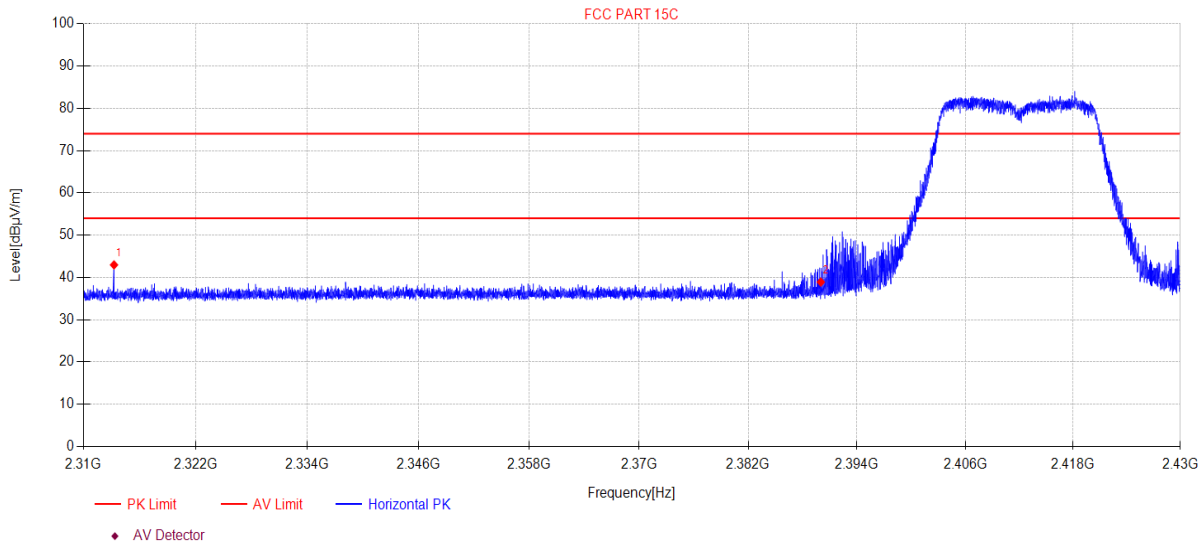
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	47.46	-9.46	38.00	74.00	36.00	PK	Vertical
2	2487.04	49.97	-9.44	40.53	74.00	33.47	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\57		
Memo:	11N20 2412		

Test Graph



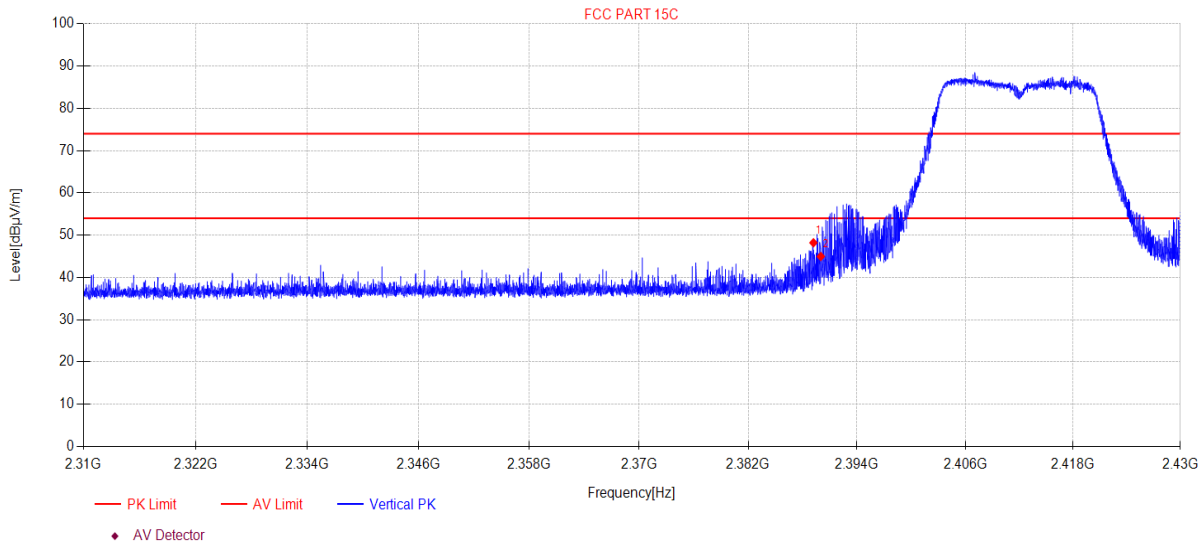
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2313.26	52.85	-9.88	42.97	74.00	31.03	PK	Horizontal
2	2390.00	48.63	-9.72	38.91	74.00	35.09	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\58		
Memo:	11N20 2412		

Test Graph



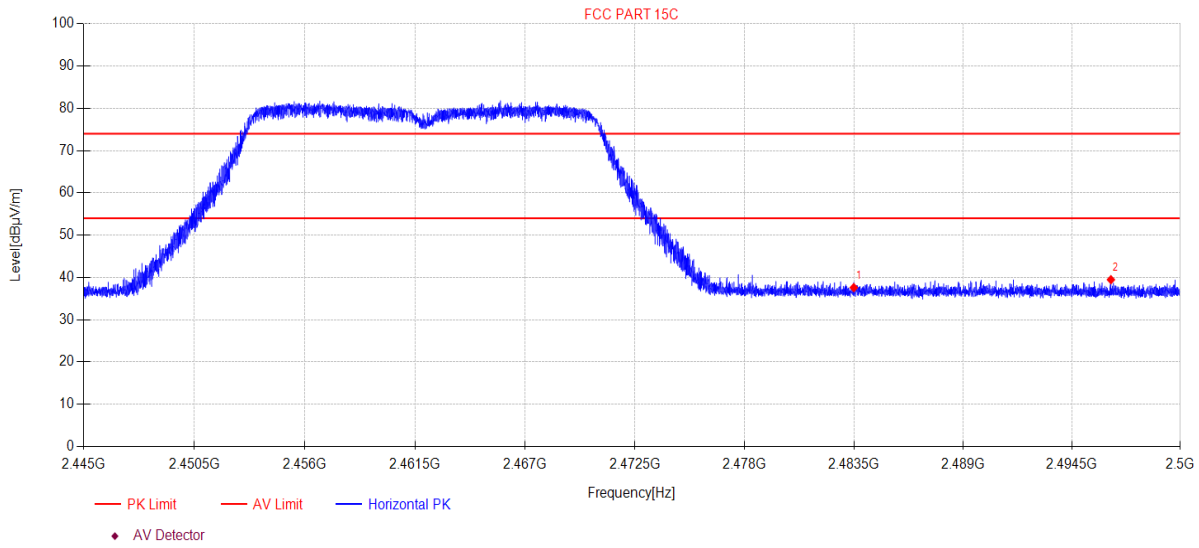
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2389.19	57.93	-9.72	48.21	74.00	25.79	PK	Vertical
2	2390.00	54.69	-9.72	44.97	74.00	29.03	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\59		
Memo:	11N20 2462		

Test Graph



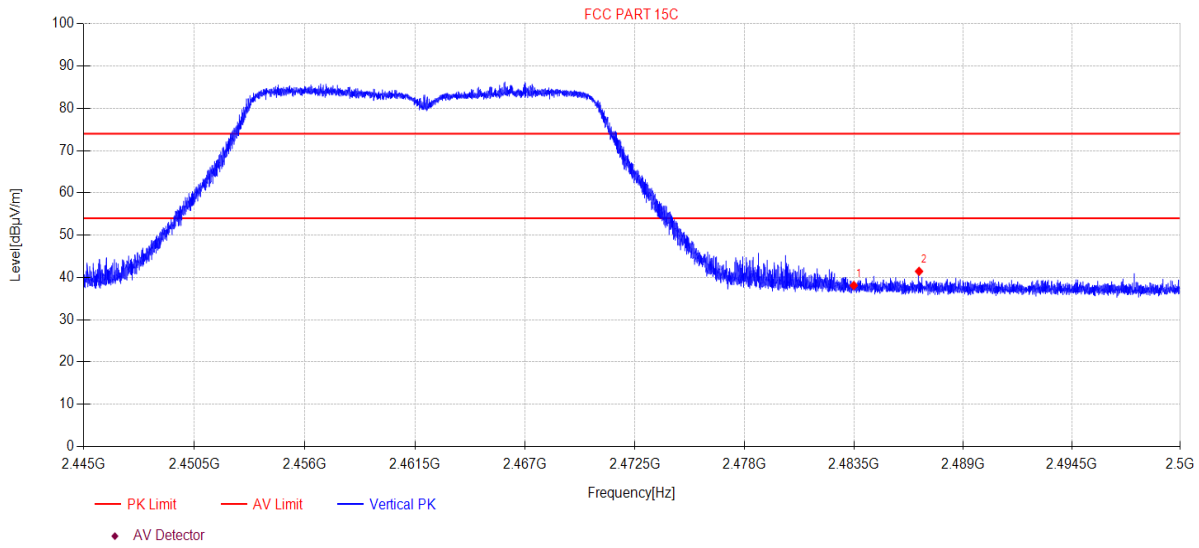
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	47.06	-9.46	37.60	74.00	36.40	PK	Horizontal
2	2496.49	48.87	-9.40	39.47	74.00	34.53	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\60		
Memo:	11N20 2462		

Test Graph



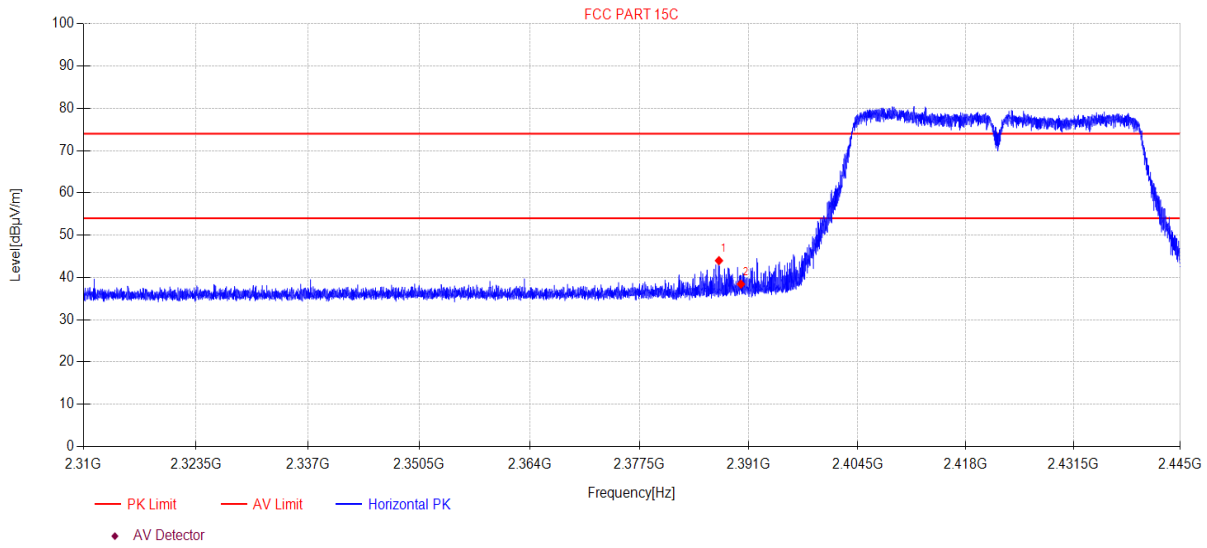
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	47.56	-9.46	38.10	74.00	35.90	PK	Vertical
2	2486.79	50.89	-9.44	41.45	74.00	32.55	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\65		
Memo:	11N40 2422		

Test Graph



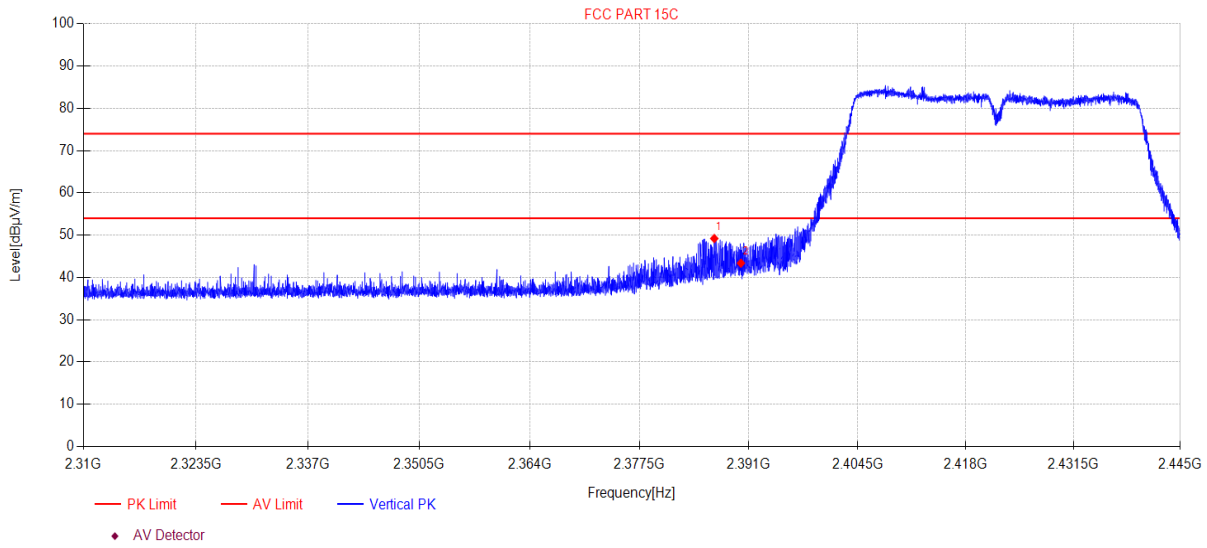
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2387.29	53.70	-9.73	43.97	74.00	30.03	PK	Horizontal
2	2390.00	48.14	-9.72	38.42	74.00	35.58	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\66		
Memo:	11N40 2422		

Test Graph



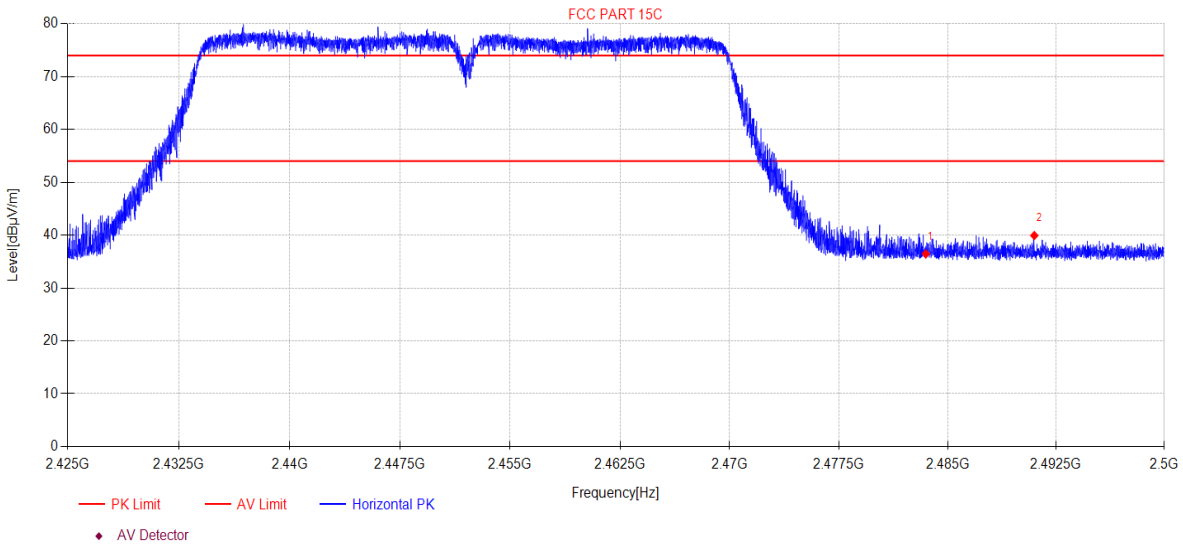
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2386.71	58.94	-9.73	49.21	74.00	24.79	PK	Vertical
2	2390.00	53.09	-9.72	43.37	74.00	30.63	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\67		
Memo:	11N40 2452		

Test Graph



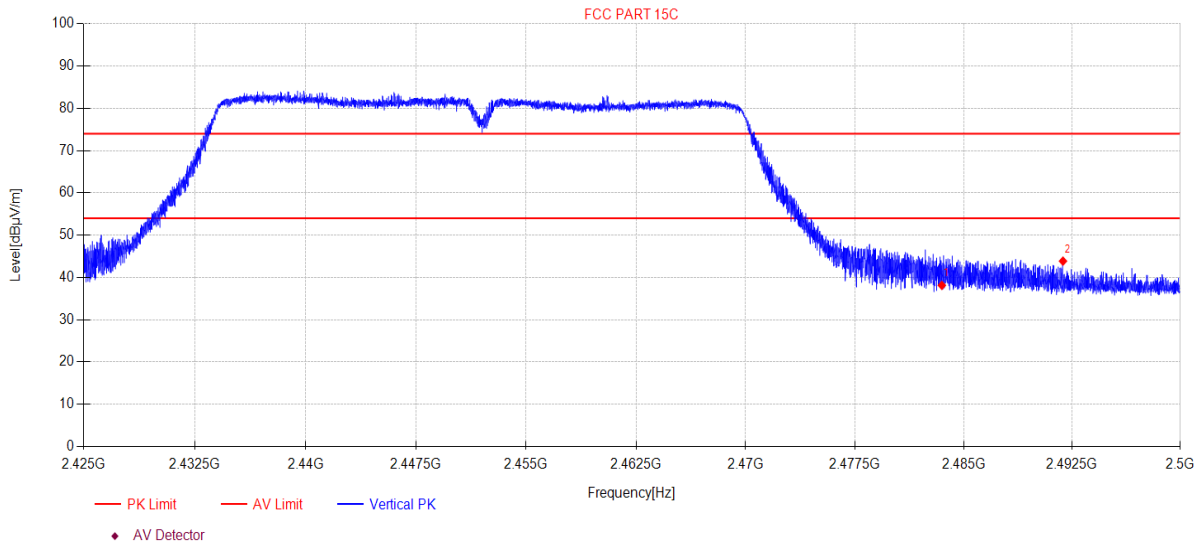
Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	45.91	-9.46	36.45	74.00	37.55	PK	Horizontal
2	2490.99	49.36	-9.43	39.93	74.00	34.07	PK	Horizontal

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2022-10-28	**Tested By**:	Bairong
EUT:	Equipo de Audio y Video para Vehiculo	**Model Number**:	MTXMO430LAI3PE
Test Mode:	Tx Mode	**Power Supply**:	DC 12V
Condition:	Temp:23.5°C;Humi:45.4%;Press:100.3kPa	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2022 report data\Q22092815\FCC ABOVE 1G\68		
Memo:	11N40 2452		

Test Graph

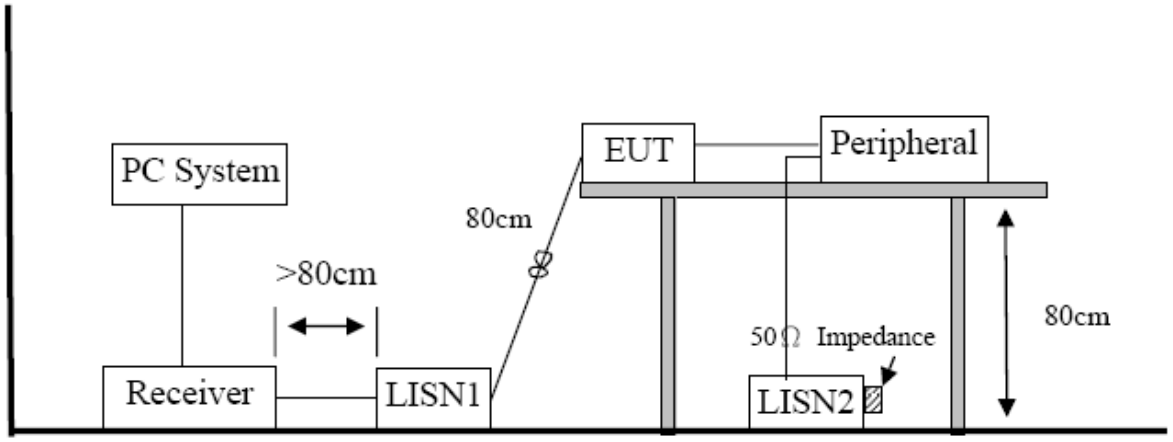


Suspected Data List								
NO.	**Freq. [MHz]**	**Reading [dBµV]**	**Factor [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.50	47.59	-9.46	38.13	74.00	35.87	PK	Vertical
2	2491.87	53.28	-9.42	43.86	74.00	30.14	PK	Vertical

Note:
1. Level = Reading + Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

12. Power Line Conducted Emission

12.1. Block diagram of test setup



12.2. Power Line Conducted Emission Limits (Class B)

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

12.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

12.4. Test Result

N/A
The EUT is powered by DC.

13. Antenna Requirements

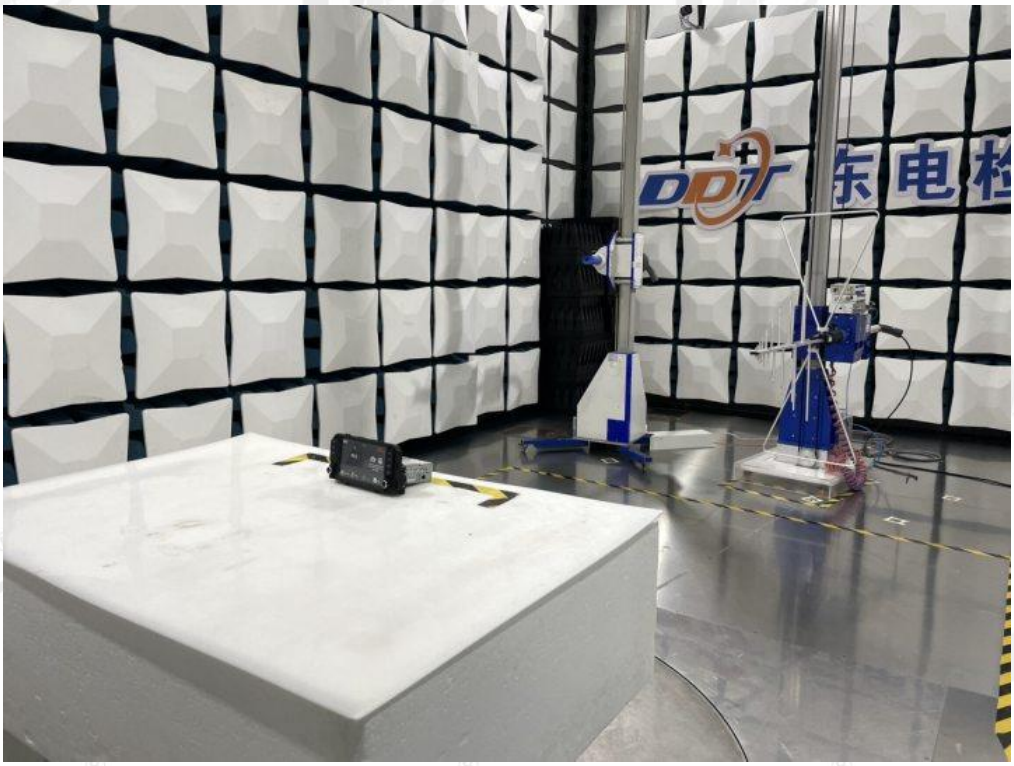
13.1. Limit

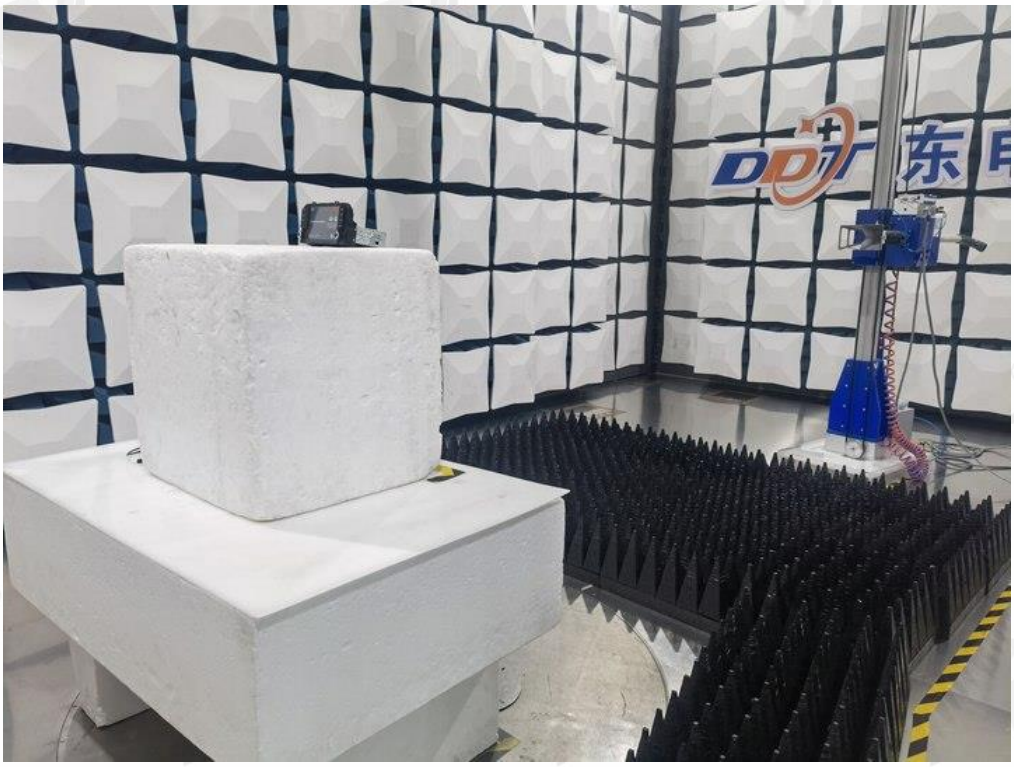
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

13.2. Result

The product is that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 4.52 dBi.

14. Test setup photograph





15. Photos of the EUT

Please refer to appendix I.

END OF REPORT