

Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT does not support simultaneous transmission.

Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

13.4. Results

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz, so the final test was performed with frequency range from 30 MHz to 26 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in ANT1+ ANT2, 11N HT40, Tx CH3 mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

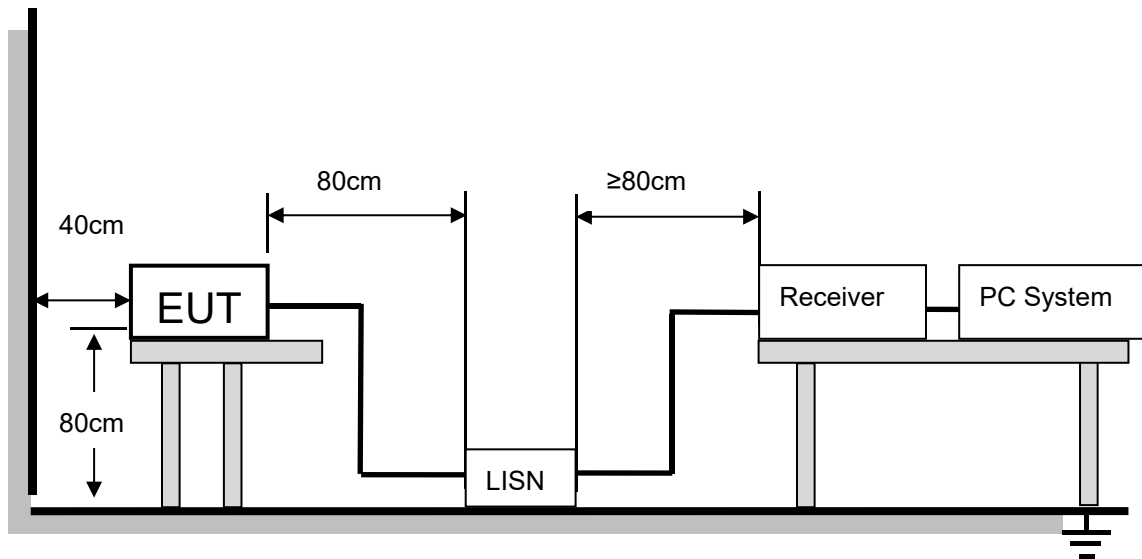
13.5. Original test data

Below 1 GHz and above 30 MHz test data Refer to appendix A

Above 1 GHz test data Refer to appendix B

14. AC Power Line Conducted Emissions

14.1. Block diagram of test setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020/Cor1-2023. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

14.2. Limits

Please refer to CFR 47 FCC § 15.207 (a) and ISSED RSS-Gen Clause 8.8.

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.3. Test procedure

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

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

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 30 MHz for emissions in each of the test modes.

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

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

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.

14.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

Note3: $\text{Measurement} = \text{Reading Level} + \text{Correct Factor}$

$\text{Over} = \text{Measurement} - \text{Limit}$

14.5. Original test data

AC Power Line Conducted Emission Test Data Refer to appendix C

15. Antenna Requirements

15.1. Applicable Requirements

Please refer to FCC §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. 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.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Please refer to RSS-GEN Clause 6.8

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.

Please refer to RSS-GEN Clause 6.8

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.2. Result

The antenna used for this product is External antenna and 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 4.08 dBi

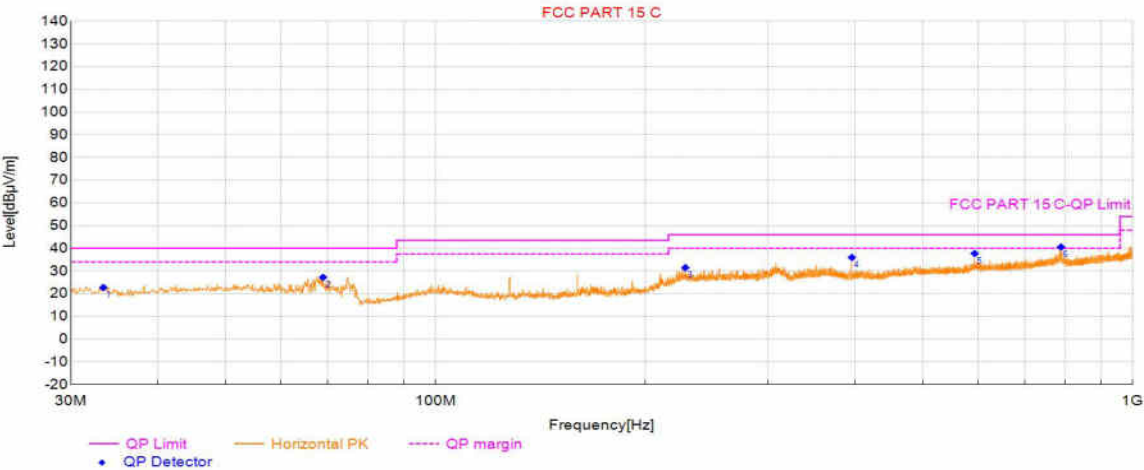
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:			
Customer:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-16 17:41:47

Test Graph



Final Data List									
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	33.40	17.77	22.75	40.00	17.25	100	322	Horizontal	PASS
2	69.00	17.53	27.21	40.00	12.79	100	29	Horizontal	PASS
3	228.38	20.84	31.48	46.00	14.52	100	286	Horizontal	PASS
4	396.02	25.16	35.98	46.00	10.02	100	206	Horizontal	PASS
5	594.01	29.53	37.71	46.00	8.29	100	29	Horizontal	PASS
6	790.17	32.09	40.56	46.00	5.44	100	313	Horizontal	PASS

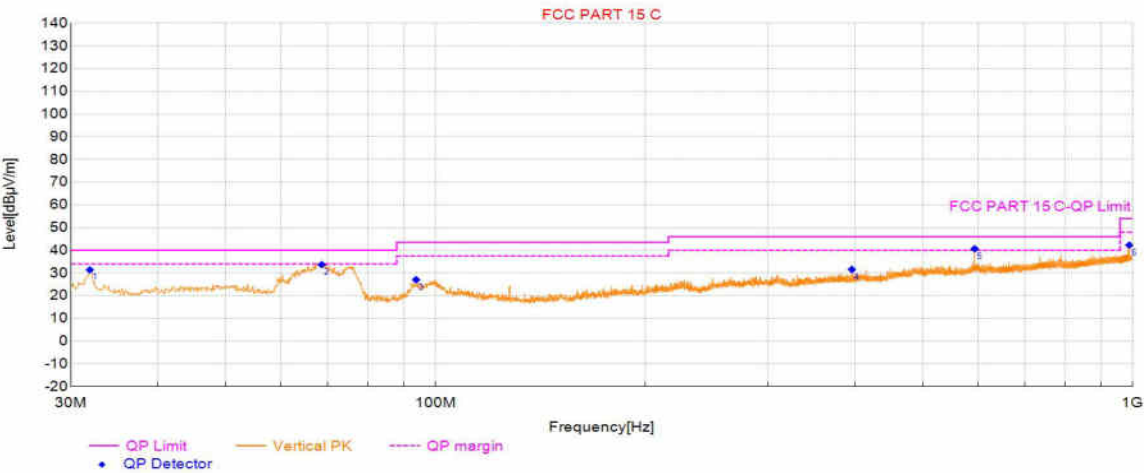
Note: Margin=QP Limit - QP Value

Test Report

Project Information			
EUT:			
Customer:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-16 17:42:25

Test Graph



Final Data List									
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	31.94	17.63	31.38	40.00	8.62	100	180	Vertical	PASS
2	68.71	17.61	33.70	40.00	6.30	100	282	Vertical	PASS
3	93.83	18.49	27.04	43.50	16.46	100	96	Vertical	PASS
4	395.92	25.16	31.57	46.00	14.43	100	322	Vertical	PASS
5	594.01	29.53	40.67	46.00	5.33	100	101	Vertical	PASS
6	990.01	35.10	42.30	54.00	11.70	100	175	Vertical	PASS

Note: Margin=QP Limit - QP Value

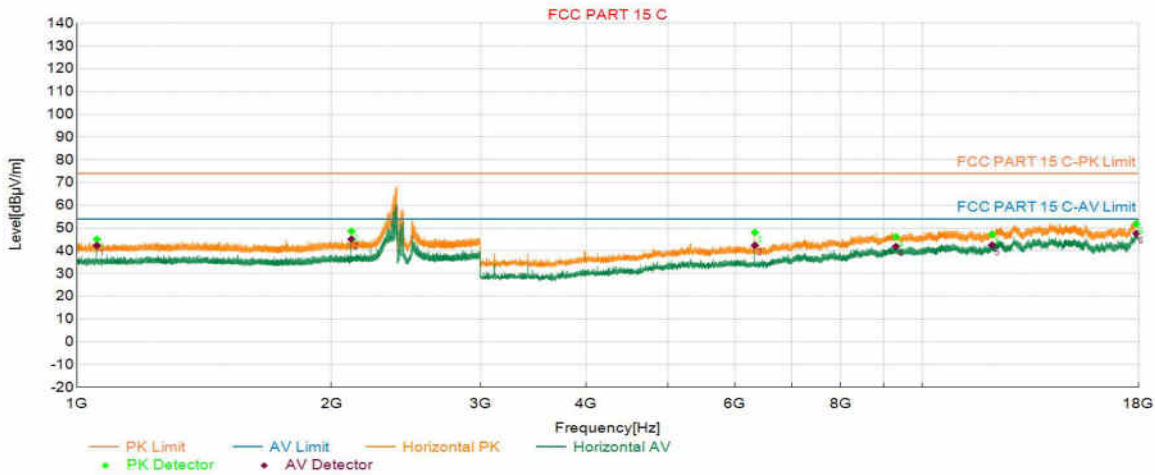
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:13:41

Test Graph



PK Final Data List

NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1056.00	2.07	45.07	74.00	28.93	150	37	Horizontal
2	2111.86	6.28	48.64	74.00	25.36	150	29	Horizontal
3	6336.17	-3.19	48.08	74.00	25.92	150	163	Horizontal
4	9301.82	5.76	46.13	74.00	27.87	150	57	Horizontal
5	12084.45	8.13	47.24	74.00	26.76	150	10	Horizontal
6	17909.25	17.19	51.79	74.00	22.21	150	57	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1056.00	2.07	42.32	54.00	11.68	150	37	Horizontal
2	2111.86	6.28	45.12	54.00	8.88	150	29	Horizontal
3	6336.17	-3.19	42.42	54.00	11.58	150	163	Horizontal
4	9301.82	5.76	41.91	54.00	12.09	150	57	Horizontal
5	12084.45	8.13	42.54	54.00	11.46	150	10	Horizontal
6	17909.25	17.19	47.66	54.00	6.34	150	57	Horizontal

Note1: PK Margin=PK Limit - PK Value

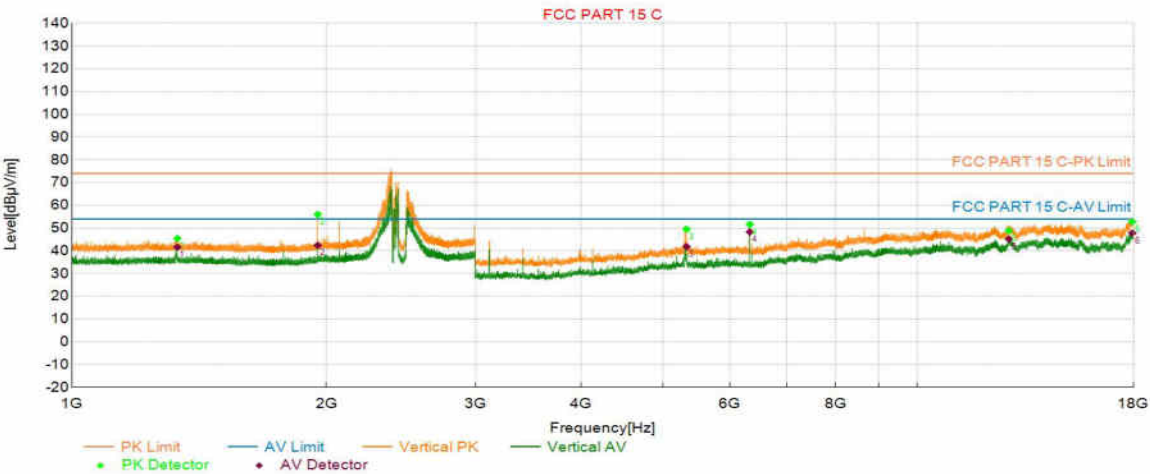
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:15:03

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1332.82	3.64	45.47	74.00	28.53	150	54	Vertical
2	1953.15	5.70	56.01	74.00	17.99	150	16	Vertical
3	5331.87	-5.54	49.56	74.00	24.44	150	39	Vertical
4	6335.42	-3.19	51.63	74.00	22.37	150	10	Vertical
5	12824.74	10.54	48.82	74.00	25.18	150	118	Vertical
6	17955.00	16.94	52.81	74.00	21.19	150	321	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1332.82	3.64	41.61	54.00	12.39	150	54	Vertical
2	1953.15	5.70	42.40	54.00	11.60	150	16	Vertical
3	5331.87	-5.54	41.85	54.00	12.15	150	39	Vertical
4	6335.42	-3.19	48.30	54.00	5.70	150	10	Vertical
5	12824.74	10.54	45.22	54.00	8.78	150	118	Vertical
6	17955.00	16.94	47.81	54.00	6.19	150	321	Vertical

Note1: PK Margin=PK Limit - PK Value

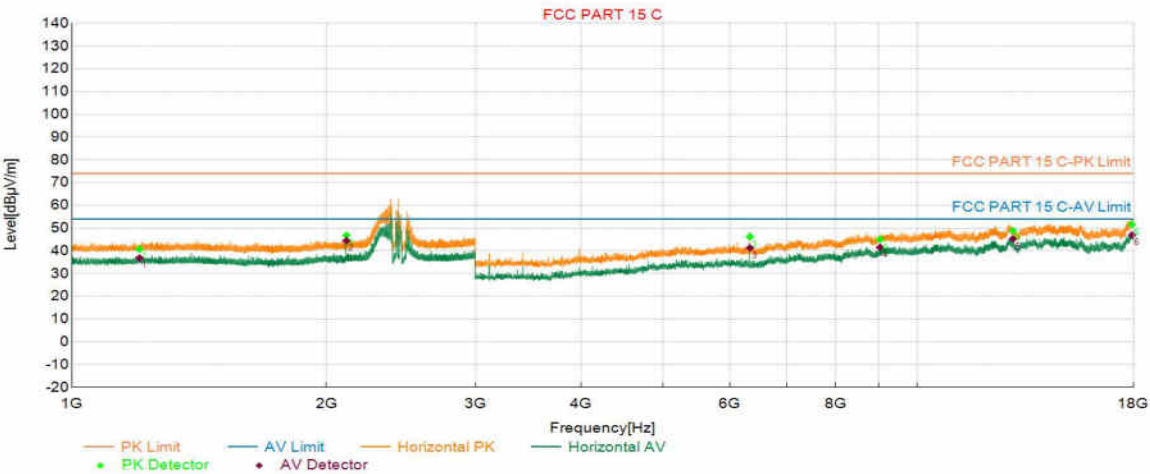
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2437	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:17:36

Test Graph



PK Final Data List

NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1202.01	3.14	40.75	74.00	33.25	150	159	Horizontal
2	2111.96	6.28	46.77	74.00	27.23	150	120	Horizontal
3	6336.17	-3.19	46.23	74.00	27.77	150	262	Horizontal
4	9031.05	4.64	45.04	74.00	28.96	150	69	Horizontal
5	12969.50	11.21	48.84	74.00	25.16	150	131	Horizontal
6	17934.75	17.05	51.60	74.00	22.40	150	213	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1202.01	3.14	36.84	54.00	17.16	150	159	Horizontal
2	2111.96	6.28	44.46	54.00	9.54	150	120	Horizontal
3	6336.17	-3.19	41.28	54.00	12.72	150	262	Horizontal
4	9031.05	4.64	41.54	54.00	12.46	150	69	Horizontal
5	12969.50	11.21	45.25	54.00	8.75	150	131	Horizontal
6	17934.75	17.05	46.93	54.00	7.07	150	213	Horizontal

Note1: PK Margin=PK Limit - PK Value

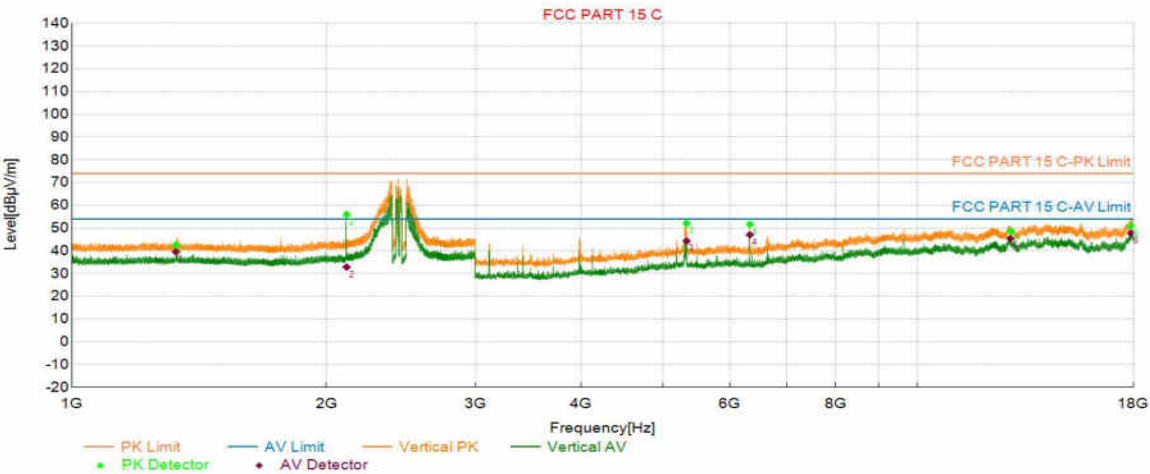
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2437	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:18:57

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1327.42	3.59	42.56	74.00	31.44	150	90	Vertical
2	2112.67	6.28	55.97	74.00	18.03	146.4	195.5	Vertical
3	5333.37	-5.54	52.07	74.00	21.93	150	104	Vertical
4	6335.42	-3.19	51.67	74.00	22.33	150	2	Vertical
5	12882.49	10.71	48.56	74.00	25.44	150	166	Vertical
6	17882.99	17.12	50.95	74.00	23.05	150	143	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1327.42	3.59	39.57	54.00	14.43	150	90	Vertical
2	2112.67	6.28	32.88	54.00	21.12	146.4	195.5	Vertical
3	5333.37	-5.54	44.31	54.00	9.69	150	104	Vertical
4	6335.42	-3.19	47.04	54.00	6.96	150	2	Vertical
5	12882.49	10.71	45.44	54.00	8.56	150	166	Vertical
6	17882.99	17.12	47.80	54.00	6.20	150	143	Vertical

Note1: PK Margin=PK Limit - PK Value

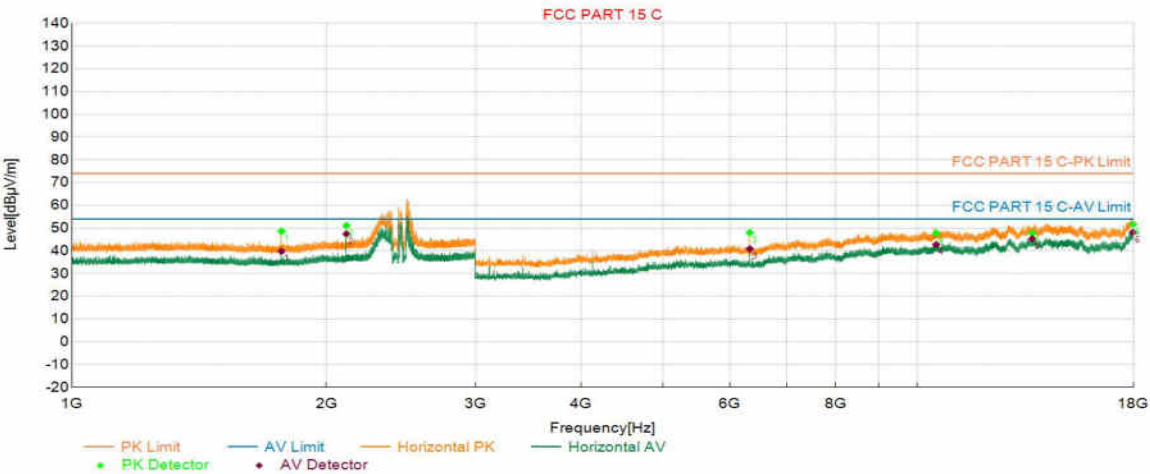
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2452	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:25:04

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1769.44	4.18	48.61	74.00	25.39	150	140	Horizontal
2	2111.96	6.28	51.10	74.00	22.90	150	102	Horizontal
3	6335.42	-3.19	48.00	74.00	26.00	150	250	Horizontal
4	10523.63	7.63	47.84	74.00	26.16	150	234	Horizontal
5	13670.78	12.86	47.70	74.00	26.30	150	287	Horizontal
6	17986.50	16.75	51.68	74.00	22.32	150	41	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1769.44	4.18	39.79	54.00	14.21	150	140	Horizontal
2	2111.96	6.28	47.41	54.00	6.59	150	102	Horizontal
3	6335.42	-3.19	40.85	54.00	13.15	150	250	Horizontal
4	10523.63	7.63	42.74	54.00	11.26	150	234	Horizontal
5	13670.78	12.86	45.30	54.00	8.70	150	287	Horizontal
6	17986.50	16.75	48.16	54.00	5.84	150	41	Horizontal

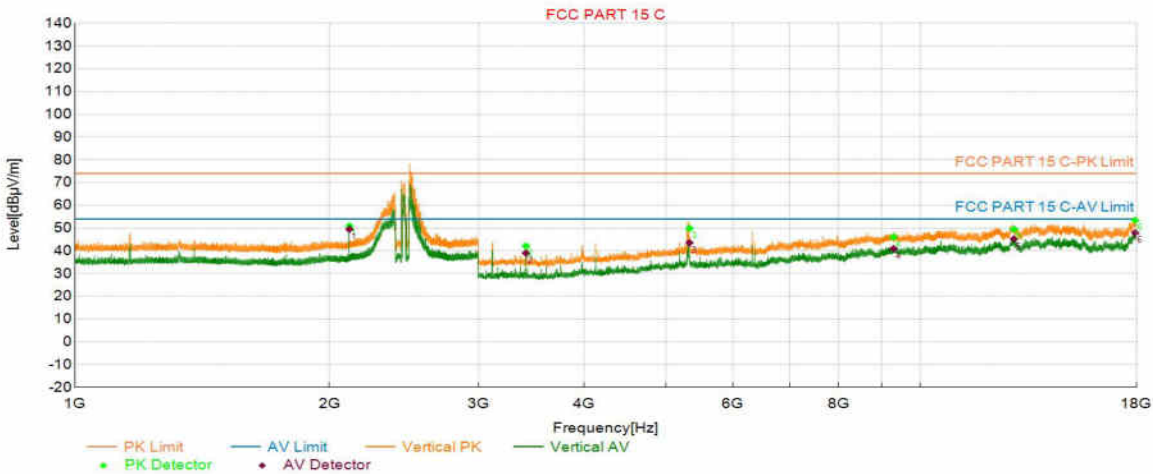
Note1: PK Margin=PK Limit - PK Value
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2452	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-12 16:26:27

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	Factor (dB)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2111.96	6.28	51.00	74.00	23.00	150	246	Vertical
2	3414.77	-13.83	42.11	74.00	31.89	150	150	Vertical
3	5331.12	-5.53	49.88	74.00	24.12	150	41	Vertical
4	9292.06	5.71	46.06	74.00	27.94	150	197	Vertical
5	12899.74	10.75	49.52	74.00	24.48	150	150	Vertical
6	17947.50	16.97	53.49	74.00	20.51	150	242	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2111.96	6.28	49.47	54.00	4.53	150	246	Vertical
2	3414.77	-13.83	38.99	54.00	15.01	150	150	Vertical
3	5331.12	-5.53	43.57	54.00	10.43	150	41	Vertical
4	9292.06	5.71	40.94	54.00	13.06	150	197	Vertical
5	12899.74	10.75	45.22	54.00	8.78	150	150	Vertical
6	17947.50	16.97	47.88	54.00	6.12	150	242	Vertical

Note1: PK Margin=PK Limit - PK Value

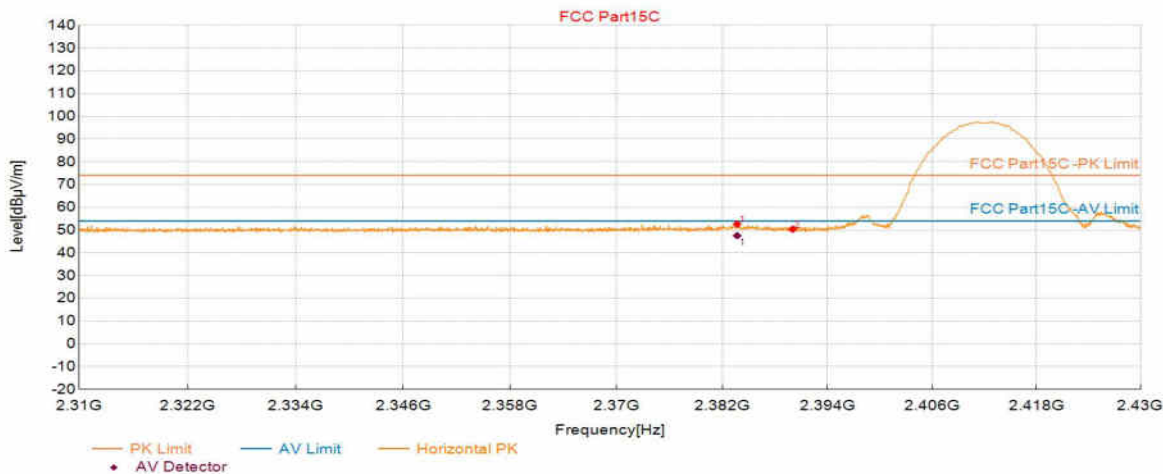
Note2: AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11B_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:23:19

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2383.70	52.68	6.52	74.00	21.32	150	146	Horizontal
2	2390.03	50.39	6.53	74.00	23.61	150	265	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2383.70	6.52	47.54	54.00	6.46	150	146	Horizontal

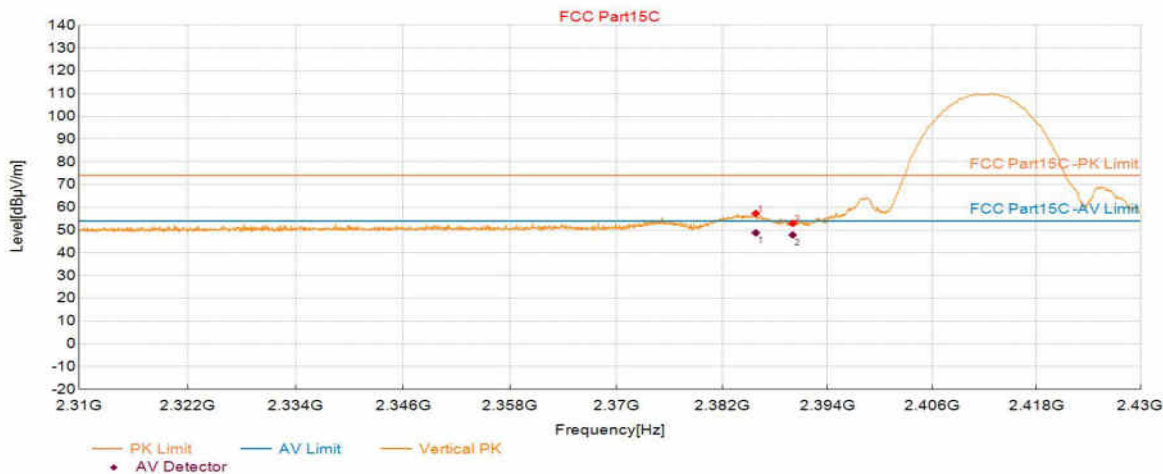
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11B_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:24:00

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2385.83	57.32	6.52	74.00	16.68	150	139	Vertical
2	2390.03	52.98	6.53	74.00	21.02	150	190	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2385.83	6.52	48.81	54.00	5.19	150	151.3	Vertical
2	2390.03	6.53	47.84	54.00	6.16	150	190	Vertical

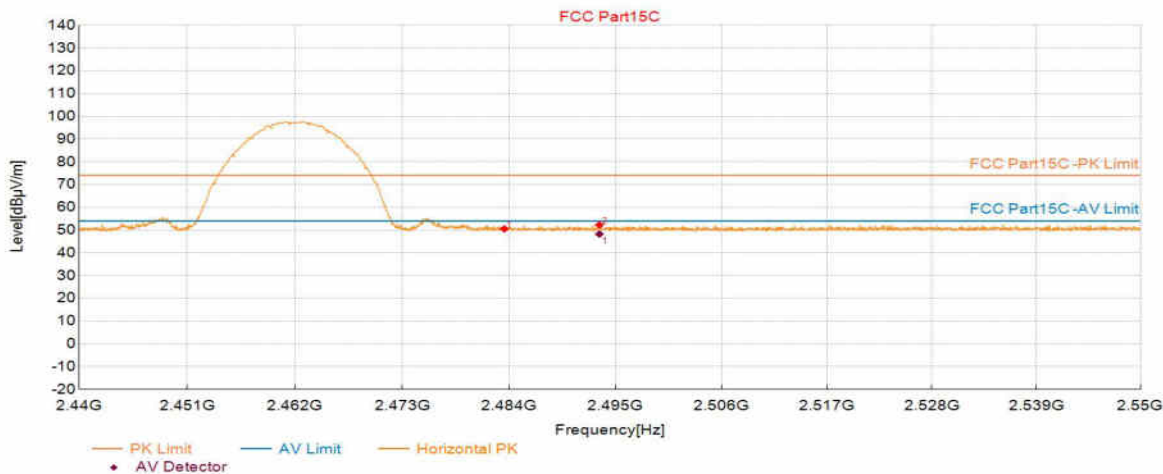
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11B_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:29:22

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	50.53	6.99	74.00	23.47	150	122	Horizontal
2	2493.33	52.26	7.04	74.00	21.74	150	109	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2493.33	7.04	48.26	54.00	5.74	150	109	Horizontal

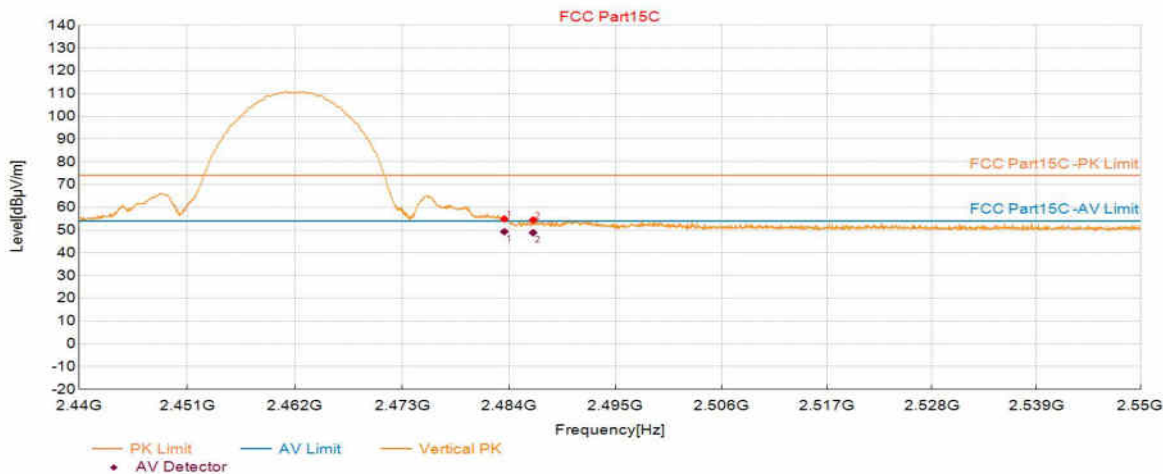
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11B_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:30:02

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	54.89	6.99	74.00	19.11	150	161	Vertical
2	2486.47	54.47	7.01	74.00	19.53	150	152	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	49.30	54.00	4.70	150	188.4	Vertical
2	2486.47	7.01	48.85	54.00	5.15	150	152	Vertical

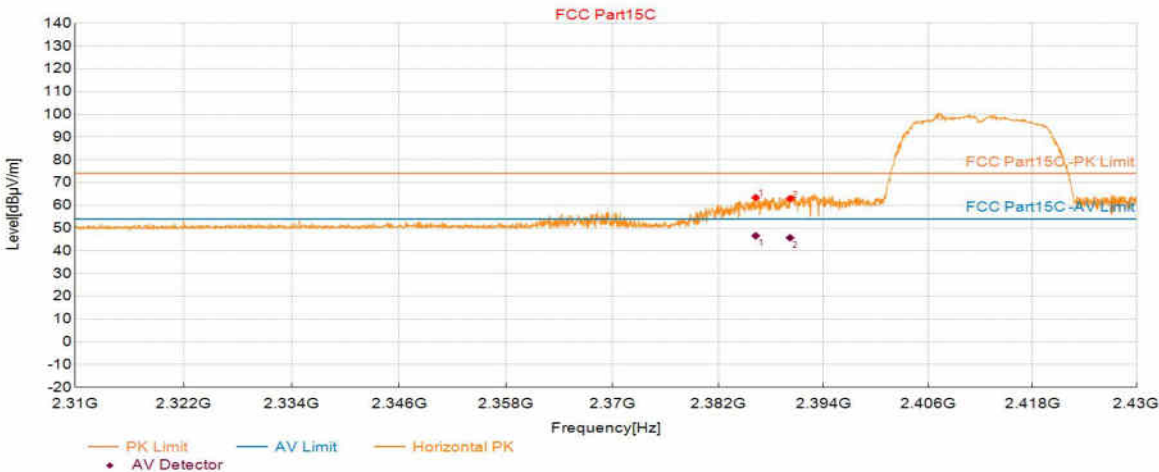
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11G_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:36:12

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2386.27	63.41	6.52	74.00	10.59	150	148	Horizontal
2	2390.19	62.94	6.53	74.00	11.06	150	151	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2386.27	6.52	46.61	54.00	7.39	150	148	Horizontal
2	2390.19	6.53	45.74	54.00	8.26	150	151	Horizontal

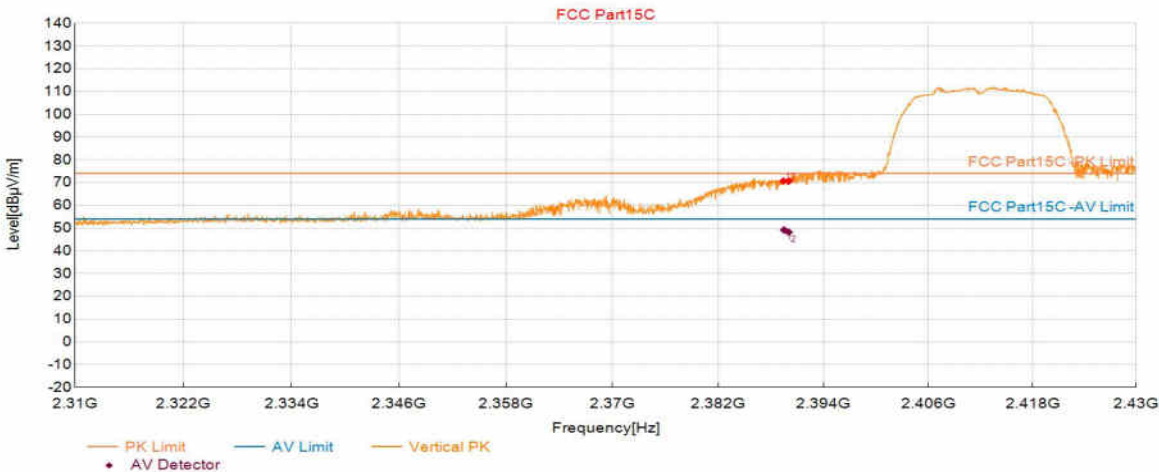
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11G_2412	Voltage:	AC120V/50Hz
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:36:52

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2389.43	70.71	6.52	74.00	3.29	150	182	Vertical
2	2390.03	70.60	6.53	74.00	3.40	150	237	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2389.51	6.52	49.17	54.00	4.83	150	150.4	Vertical
2	2390.03	6.53	48.22	54.00	5.78	150	237	Vertical

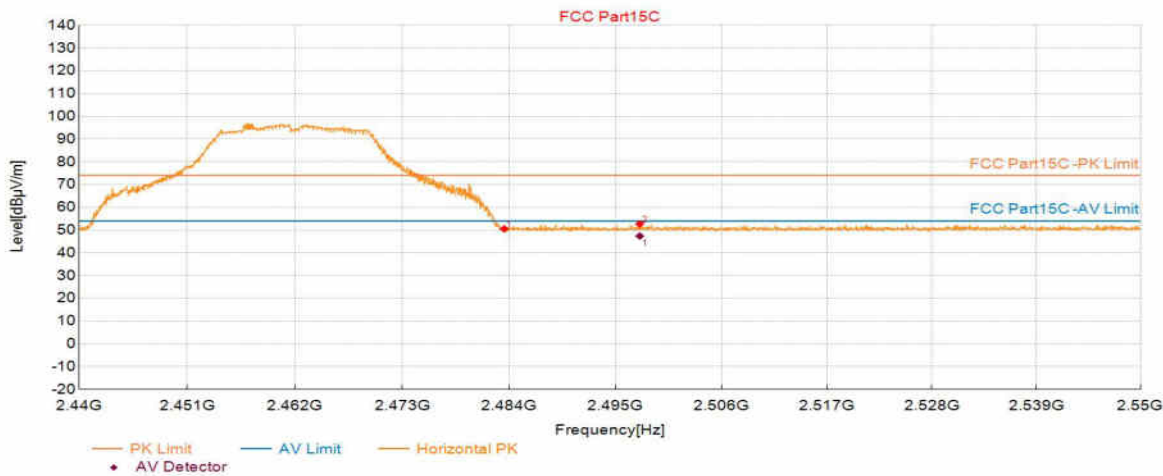
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11G_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:54:54

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	50.51	6.99	74.00	23.49	150	143	Horizontal
2	2497.51	52.73	7.07	74.00	21.27	150	230	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2497.51	7.07	47.38	54.00	6.62	150	230	Horizontal

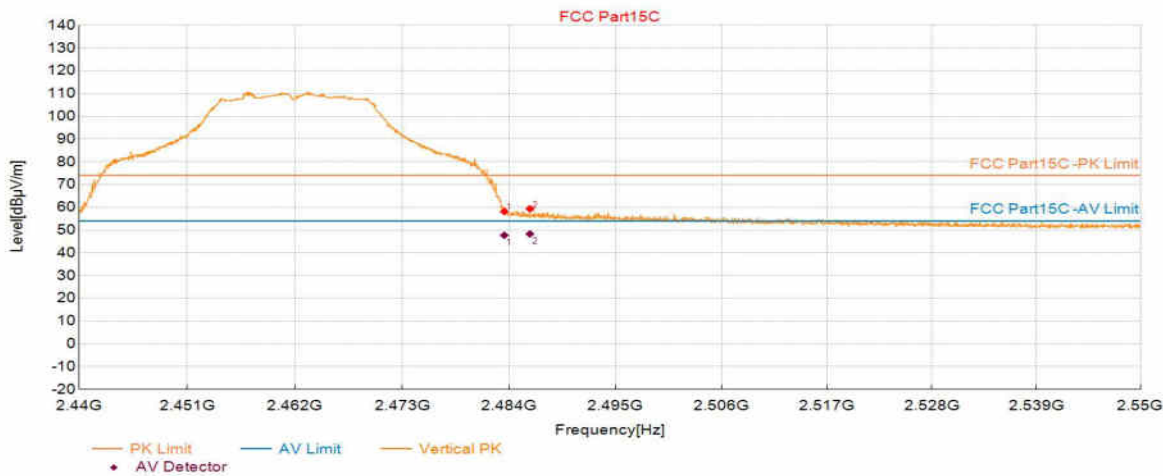
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11G_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 11:55:34

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	58.16	6.99	74.00	15.84	150	165	Vertical
2	2486.14	59.39	7.00	74.00	14.61	150	186	Vertical

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	47.71	54.00	6.29	150	165	Vertical
2	2486.14	7.00	48.33	54.00	5.67	150	185.9	Vertical

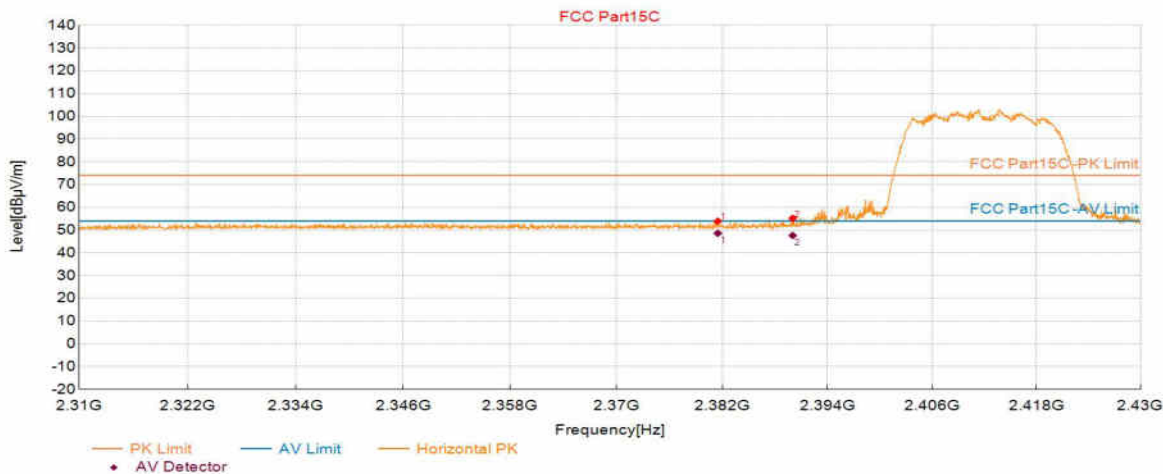
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N20_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 14:10:07

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2381.50	53.91	6.50	74.00	20.09	150	243	Horizontal
2	2390.03	55.18	6.53	74.00	18.82	150	220	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2381.50	6.50	48.60	54.00	5.40	150	243	Horizontal
2	2390.03	6.53	47.62	54.00	6.38	150	220	Horizontal

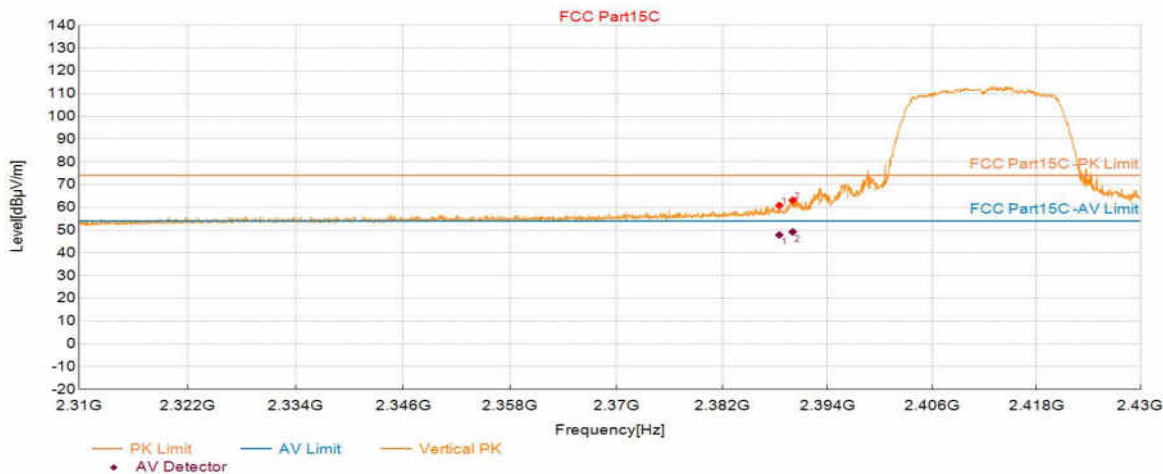
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N20_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 14:10:47

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.51	60.79	6.52	74.00	13.21	150	135	Vertical
2	2390.03	63.16	6.53	74.00	10.84	150	156	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.51	6.52	47.86	54.00	6.14	150	135	Vertical
2	2390.03	6.53	49.21	54.00	4.79	150	182	Vertical

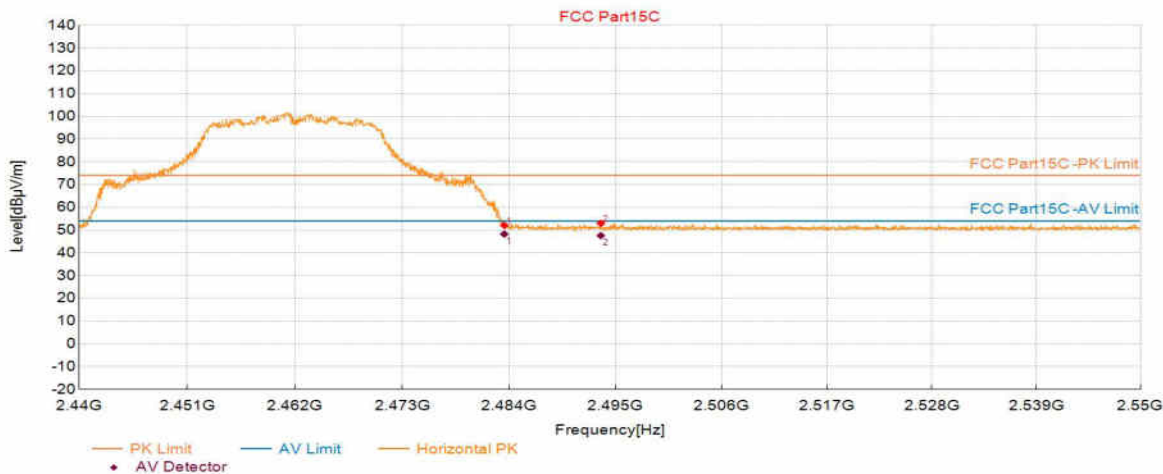
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N20_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 14:28:58

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	52.08	6.99	74.00	21.92	150	232	Horizontal
2	2493.48	52.95	7.04	74.00	21.05	150	245	Horizontal

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	48.26	54.00	5.74	150	232	Horizontal
2	2493.48	7.04	47.58	54.00	6.42	150	245	Horizontal

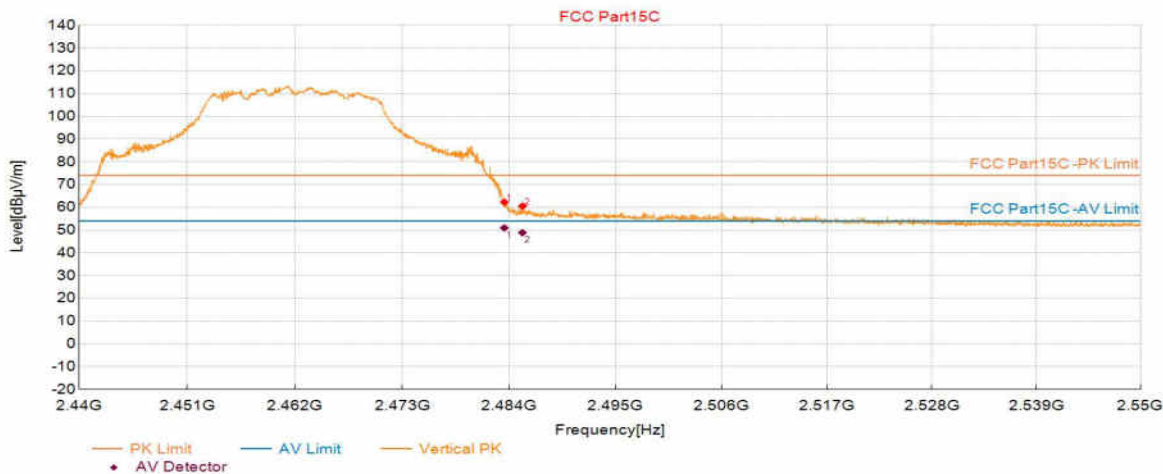
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N20_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 14:29:38

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	62.32	6.99	74.00	11.68	150	186	Vertical
2	2485.37	60.51	7.00	74.00	13.49	150	214	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	50.97	54.00	3.03	150	188.8	Vertical
2	2485.37	7.00	48.85	54.00	5.15	150	214	Vertical

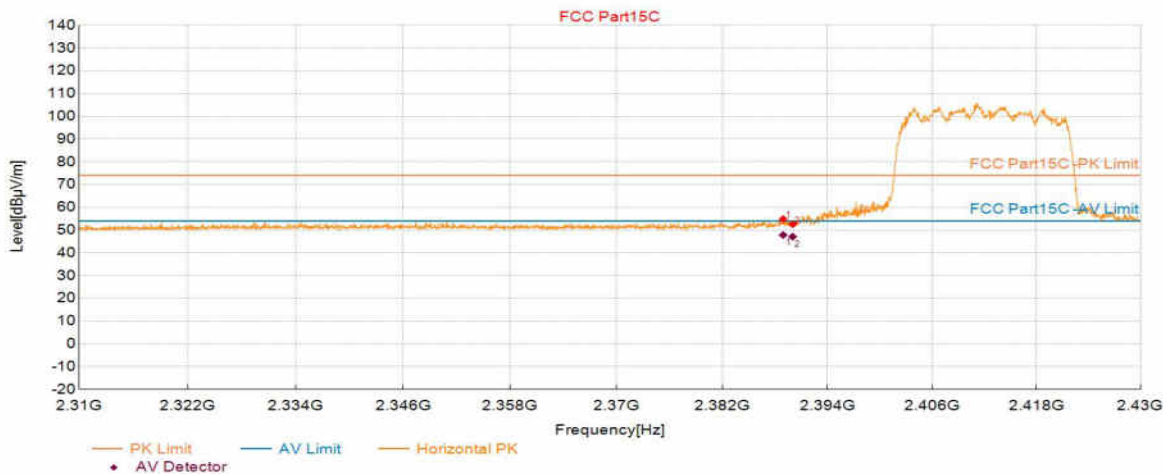
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11AX20_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 15:02:35

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.95	54.84	6.52	74.00	19.16	150	154	Horizontal
2	2390.03	52.53	6.53	74.00	21.47	150	154	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.95	6.52	47.85	54.00	6.15	150	154	Horizontal
2	2390.03	6.53	47.10	54.00	6.90	150	154	Horizontal

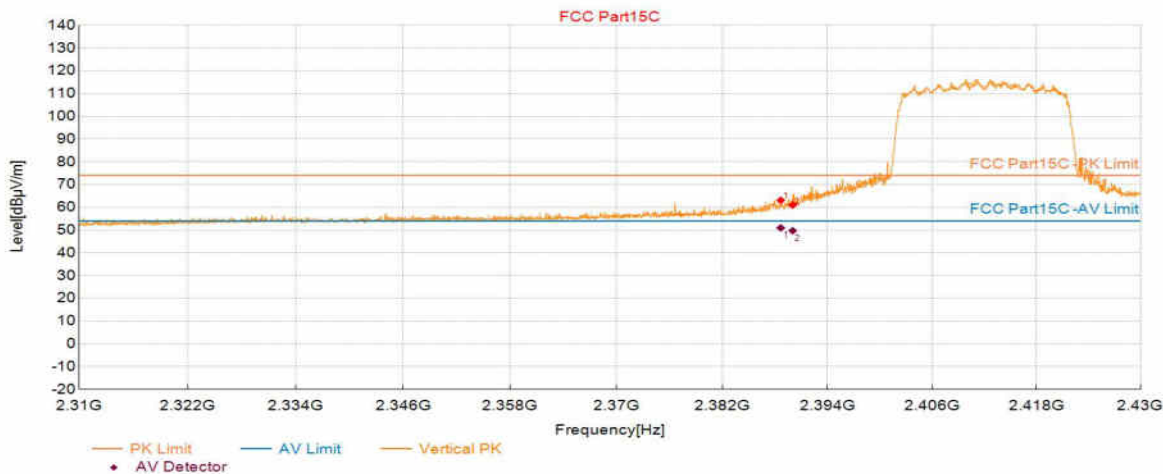
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11AX20_2412	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 15:03:15

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.67	63.09	6.52	74.00	10.91	150	187	Vertical
2	2390.03	61.01	6.53	74.00	12.99	150	195	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.67	6.52	50.99	54.00	3.01	150	233	Vertical
2	2390.03	6.53	49.71	54.00	4.29	150	195	Vertical

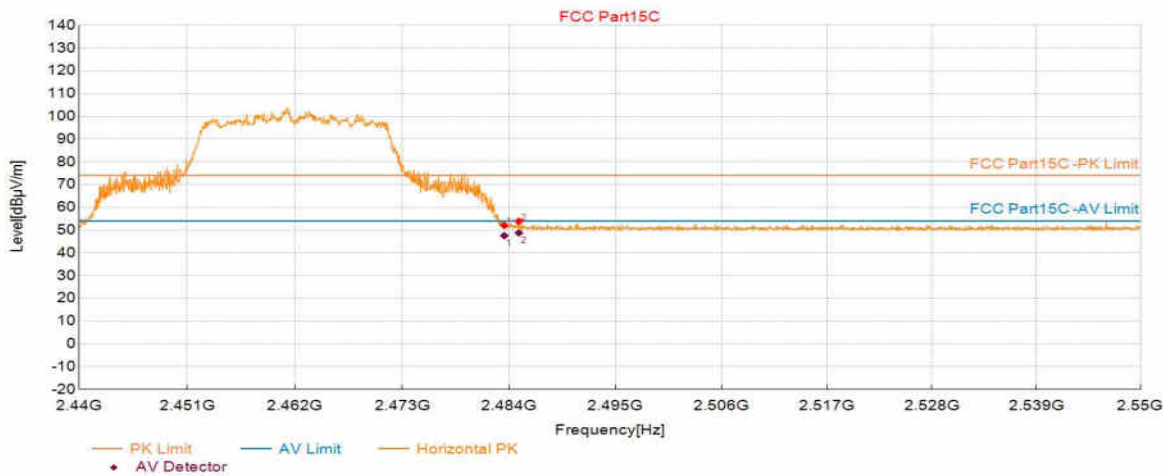
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11AX20_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 15:27:05

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	52.08	6.99	74.00	21.92	150	147	Horizontal
2	2485.01	53.89	7.00	74.00	20.11	150	244	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	47.53	54.00	6.47	150	147	Horizontal
2	2485.01	7.00	48.77	54.00	5.23	150	244	Horizontal

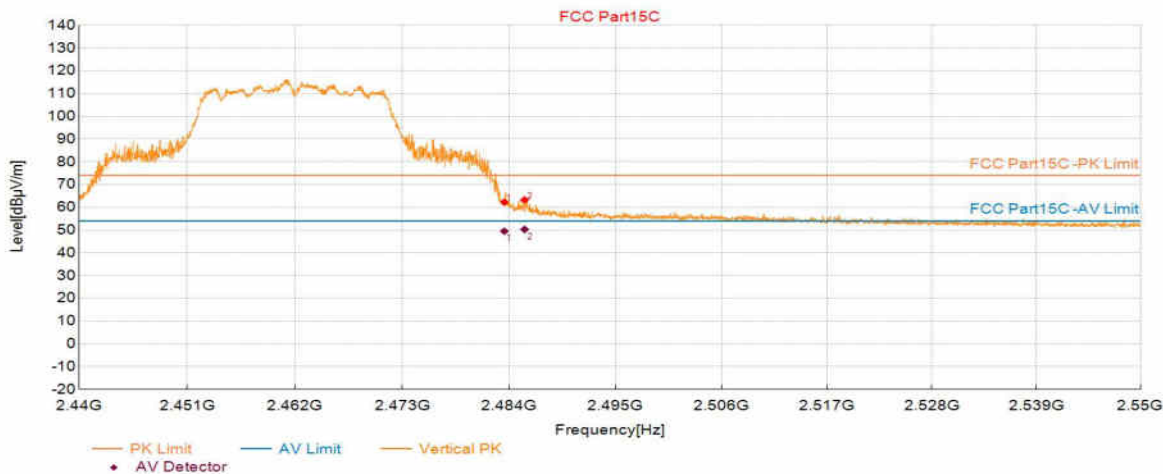
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11AX20_2462	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 15:22:21

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	62.31	6.99	74.00	11.69	150	181	Vertical
2	2485.59	63.28	7.00	74.00	10.72	150	213	Vertical

AV Final Data List

NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	6.99	49.53	54.00	4.47	150	181	Vertical
2	2485.59	7.00	50.30	54.00	3.70	150	190.7	Vertical

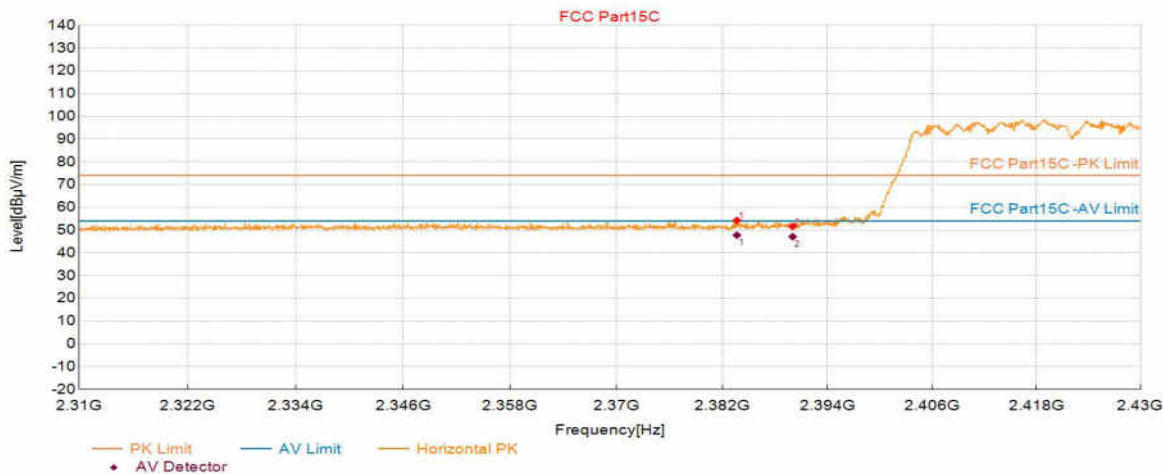
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 17:13:43

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2383.66	54.28	6.52	74.00	19.72	150	218	Horizontal
2	2390.03	51.59	6.53	74.00	22.41	150	0	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2383.66	6.52	47.74	54.00	6.26	150	218	Horizontal
2	2390.03	6.53	47.10	54.00	6.90	150	0	Horizontal

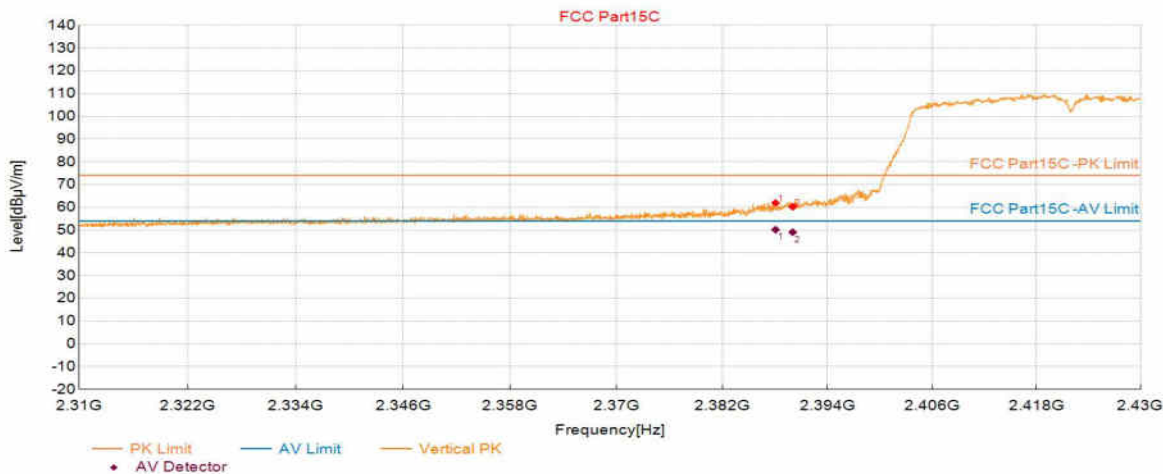
Note1: Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	Command Studio Digital Console		
Model:	CTI-CMST01-SCRN	SN:	
Mode:	11N40_2422	Voltage:	DC 24V
Environment:	24.2℃ 51%	Engineer:	Soho Liu
Remark:			

Start of Test:2025-10-11 15:54:04

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.07	61.93	6.52	74.00	12.07	150	144	Vertical
2	2390.03	60.22	6.53	74.00	13.78	150	177	Vertical

AV Final Data List								
NO.	Freq. (MHz)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2388.07	6.52	50.18	54.00	3.82	150	239.2	Vertical
2	2390.03	6.53	49.08	54.00	4.92	150	177	Vertical

Note 1: Margin=Limit - Level