

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBμV/)
18560.000000	49.9	1000.0	1000.000	H	6.5	24.1	74.0
19169.000000	49.8	1000.0	1000.000	H	6.6	24.2	74.0
20217.000000	51.5	1000.0	1000.000	H	6.1	22.6	74.0
21310.000000	51.9	1000.0	1000.000	H	5.7	22.1	74.0
22831.000000	52.7	1000.0	1000.000	H	6.1	21.4	74.0
24321.000000	53.0	1000.0	1000.000	H	5.9	21.0	74.0
25408.000000	53.0	1000.0	1000.000	H	6.1	21.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBμV/)
18560.000000	37.2	1000.0	1000.000	H	6.5	16.8	54.0
19169.000000	36.6	1000.0	1000.000	H	6.6	17.4	54.0
20217.000000	37.9	1000.0	1000.000	H	6.1	16.1	54.0
21310.000000	38.5	1000.0	1000.000	H	5.7	15.5	54.0
22831.000000	39.5	1000.0	1000.000	H	6.1	14.5	54.0
24321.000000	39.9	1000.0	1000.000	H	5.9	14.1	54.0
25408.000000	40.0	1000.0	1000.000	H	6.1	14.0	54.0

Tested by: *Cesare Gao* Reviewed by: *Jacky Chen*
20250729 20250808

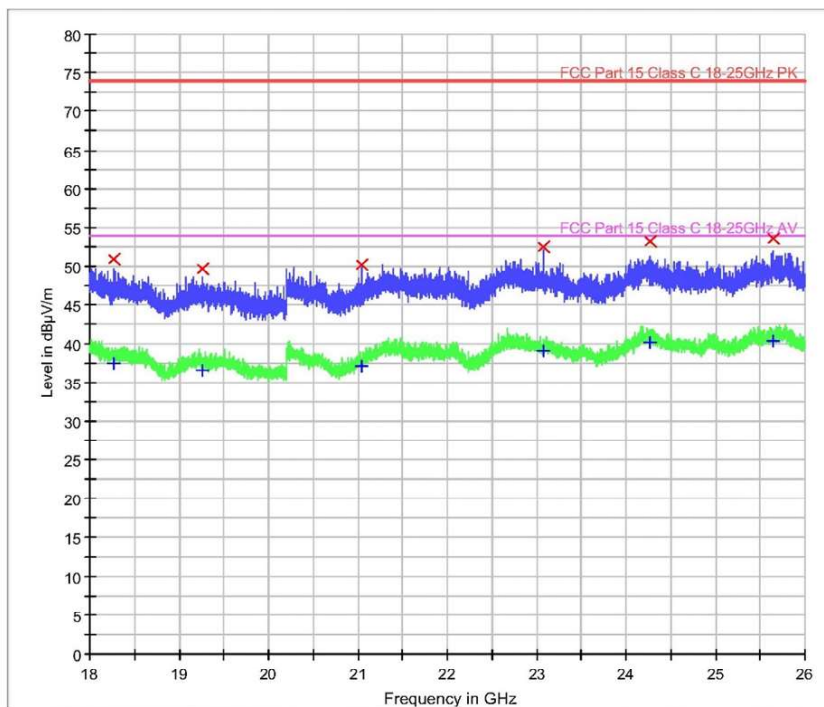
EMC Test Record (Emission)

Common Information

Manufacturer:	
Test Item:	Entertainment System
Identification:	ES 1203
Test Standard:	FCC Part 15
Test Detail:	Radiated Emission
Operation Mode:	TX EDR LOW
Climate Condition:	26 °C, 63 %, 101kPa
Test Voltage/ Freq:	AC 120 V / 60 Hz
Receipt No:	170423584
Report No:	
Result:	Pass
Comment:	Test distance is 3m; Vertical

Subrange 1
Frequency Range: 18GHz-26GHz

EMCTT_EREFO11-A02-08_18GHz-25GHz_With PreAMP EXT



Tested by: *Cesare Gao* Reviewed by: *Jacky Chen*
20250729 20250808

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18265.000000	50.9	1000.0	1000.000	V	6.6	23.1	74.0
19259.000000	49.7	1000.0	1000.000	V	6.5	24.3	74.0
21039.000000	50.2	1000.0	1000.000	V	5.7	23.8	74.0
23082.000000	52.5	1000.0	1000.000	V	5.9	21.5	74.0
24269.000000	53.3	1000.0	1000.000	V	5.8	20.7	74.0
25645.000000	53.6	1000.0	1000.000	V	6.0	20.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18265.000000	37.4	1000.0	1000.000	V	6.6	16.6	54.0
19259.000000	36.5	1000.0	1000.000	V	6.5	17.5	54.0
21039.000000	37.1	1000.0	1000.000	V	5.7	16.9	54.0
23082.000000	39.0	1000.0	1000.000	V	5.9	15.0	54.0
24269.000000	40.1	1000.0	1000.000	V	5.8	13.9	54.0
25645.000000	40.2	1000.0	1000.000	V	6.0	13.8	54.0

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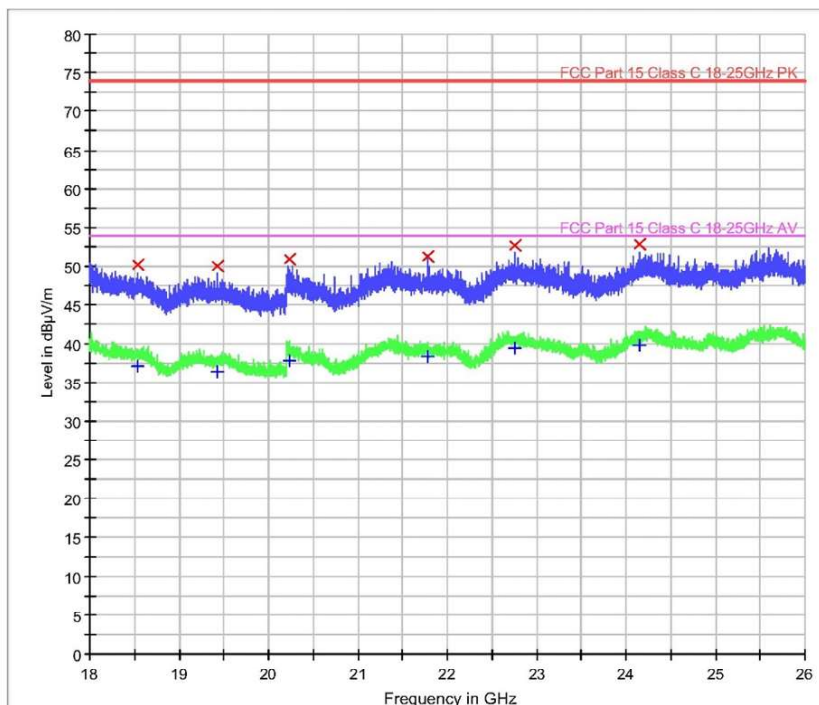
EMC Test Record (Emission)

Common Information

Manufacturer:
Test Item: Entertainment System
Identification: ES 1203
Test Standard: FCC Part 15
Test Detail: Radiated Emission
Operation Mode: TX EDR MID
Climate Condition: 26 °C, 63 %, 101kPa
Test Voltage/ Freq: AC 120 V / 60 Hz
Receipt No: 170423584
Report No:
Result: Pass
Comment: Test distance is 3m; Horizontal

Subrange 1
Frequency Range: 18GHz-26GHz

EMCTT_EREFO11-A02-08_18GHz-25GHz_With PreAMP EXT



Tested by: *Cesare Gao*
20250729

Reviewed by: *Jacky Chen*
20250808

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBμV/m)
18532.000000	50.3	1000.0	1000.000	H	6.5	23.8	74.0
19431.000000	50.1	1000.0	1000.000	H	6.4	23.9	74.0
20243.000000	50.9	1000.0	1000.000	H	6.1	23.1	74.0
21785.000000	51.3	1000.0	1000.000	H	5.8	22.7	74.0
22750.000000	52.8	1000.0	1000.000	H	6.1	21.2	74.0
24145.000000	52.8	1000.0	1000.000	H	5.8	21.2	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
18532.000000	37.1	1000.0	1000.000	H	6.5	16.9	54.0
19431.000000	36.4	1000.0	1000.000	H	6.4	17.7	54.0
20243.000000	37.8	1000.0	1000.000	H	6.1	16.2	54.0
21785.000000	38.3	1000.0	1000.000	H	5.8	15.7	54.0
22750.000000	39.4	1000.0	1000.000	H	6.1	14.6	54.0
24145.000000	39.8	1000.0	1000.000	H	5.8	14.2	54.0

Tested by: *Cesare Gao* Reviewed by: *Jacky Chen*
20250729 20250808

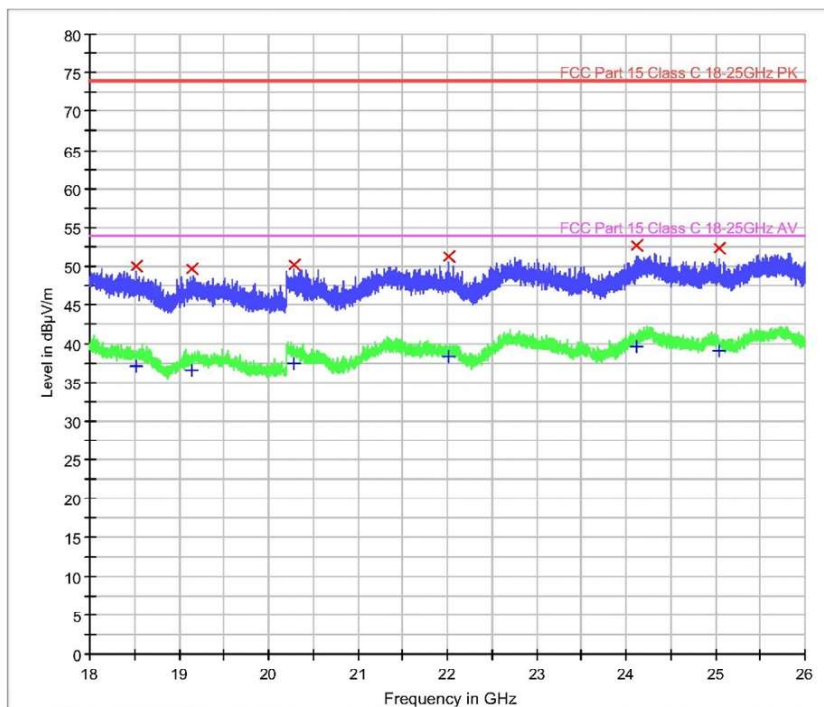
EMC Test Record (Emission)

Common Information

Manufacturer:
Test Item: Entertainment System
Identification: ES 1203
Test Standard: FCC Part 15
Test Detail: Radiated Emission
Operation Mode: TX EDR MID
Climate Condition: 26 °C, 63 %, 101kPa
Test Voltage/ Freq: AC 120 V / 60 Hz
Receipt No: 170423584
Report No:
Result: Pass
Comment: Test distance is 3m; Vertical

Subrange 1
Frequency Range: 18GHz-26GHz

EMCTT_EREFO11-A02-08_18GHz-25GHz_With PreAMP EXT



Tested by: *Cesare Gao* Reviewed by: *Jacky Chen*
20250729 20250808

Limit and Margin PK

Frequency (MHz)	MaxPeak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dB μ V/m)
18521.000000	50.1	1000.0	1000.000	V	6.5	24.0	74.0
19143.000000	49.7	1000.0	1000.000	V	6.6	24.3	74.0
20293.000000	50.2	1000.0	1000.000	V	6.1	23.9	74.0
22011.000000	51.2	1000.0	1000.000	V	5.8	22.8	74.0
24120.000000	52.7	1000.0	1000.000	V	5.8	21.3	74.0
25037.000000	52.4	1000.0	1000.000	V	6.1	21.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dB μ V/m)
18521.000000	37.1	1000.0	1000.000	V	6.5	16.9	54.0
19143.000000	36.5	1000.0	1000.000	V	6.6	17.5	54.0
20293.000000	37.5	1000.0	1000.000	V	6.1	16.5	54.0
22011.000000	38.3	1000.0	1000.000	V	5.8	15.7	54.0
24120.000000	39.5	1000.0	1000.000	V	5.8	14.5	54.0
25037.000000	39.0	1000.0	1000.000	V	6.1	15.0	54.0

Tested by: *Cesare Gao* Reviewed by: *Jacky Chen*
20250729 20250808

17. Test Results of Conducted Emission on AC Mains

EMC TEST REPORT

Test Information

Manufacturer:
Test Item: Entertainment System
Identification: ES 1203
Test Standard: FCC Part 15C
Test Detail: Conducted Emission
Operation Mode: Communicating
Climate Condition: 22 °C; 55 %RH; 101 kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains
Receipt No.: 170423584
Report No.: /
Result: PASS
Comment: /

Level Unit: dBµV

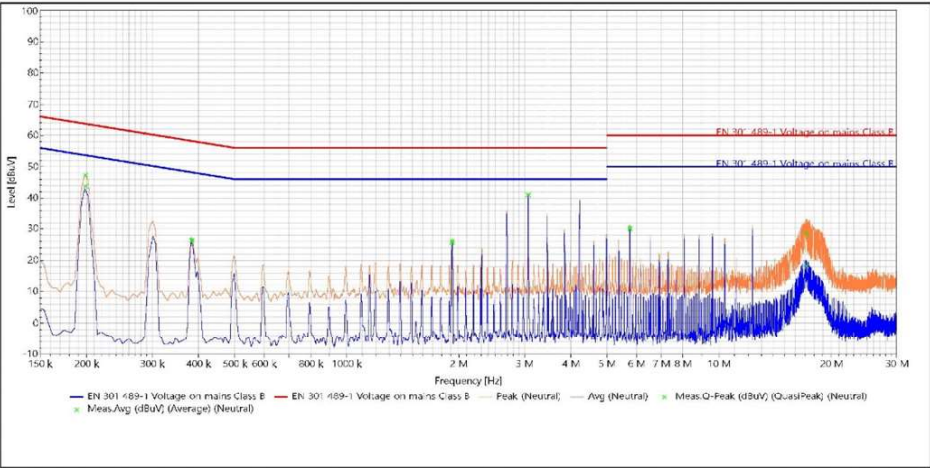
Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4 kHz	10ms	ESW 8

Tested by:  20250729

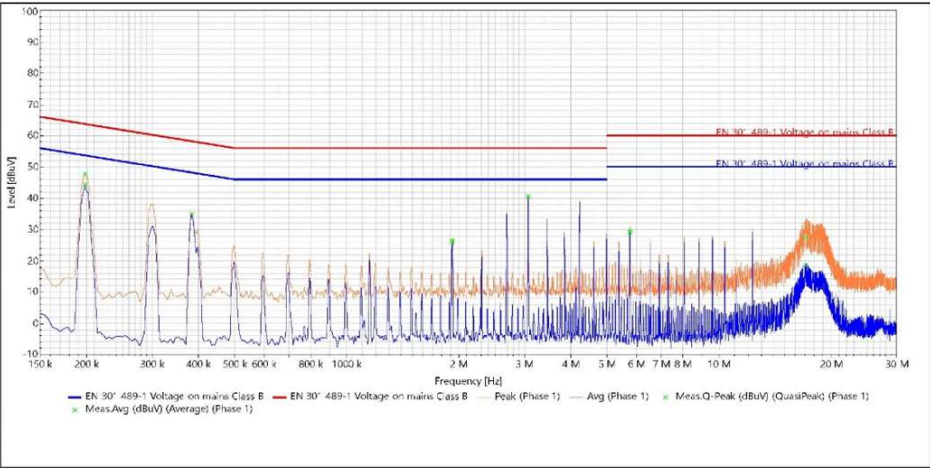
Approved by:  20250805

1 Graph by Position

Position Name : Neutral



Position Name : Phase 1



2 Finals

Final source : QuasiPeak

Frequency	SR #	Meas.Q-Peak (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
198.81 kHz	1	47.247	63.694	-16.447	Neutral	9000	1	Pass	9.881
384.339 kHz	1	26.45	58.149	-31.699	Neutral	9000	1	Pass	9.863
1.919659 MHz	1	26.03	56	-29.97	Neutral	9000	1	Pass	9.982
3.07238 MHz	1	40.984	56	-15.016	Neutral	9000	1	Pass	10.048
5.75989 MHz	1	30.184	60	-29.816	Neutral	9000	1	Pass	10.08
17.19085 MHz	1	28.374	60	-31.626	Neutral	9000	1	Pass	10.434

Final source : Average

Frequency	SR #	Meas.Avg (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
198.81 kHz	1	43.815	53.694	-9.879	Neutral	9000	1	Pass	9.881
384.339 kHz	1	26.125	48.149	-22.024	Neutral	9000	1	Pass	9.863
1.919659 MHz	1	25.572	46	-20.428	Neutral	9000	1	Pass	9.982
3.07238 MHz	1	41.024	46	-4.976	Neutral	9000	1	Pass	10.048
5.75989 MHz	1	29.812	50	-20.188	Neutral	9000	1	Pass	10.08
17.19085 MHz	1	18.226	50	-31.774	Neutral	9000	1	Pass	10.434

3 Finals

Final source : QuasiPeak

Frequency	SR #	Meas.Q-Peak (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
198.54 kHz	2	47.632	63.694	-16.063	Phase 1	9000	1	Pass	9.871
383.709 kHz	2	34.979	58.236	-23.257	Phase 1	9000	1	Pass	9.86
1.920289 MHz	2	26.456	56	-29.544	Phase 1	9000	1	Pass	9.964
3.07229 MHz	2	40.651	56	-15.349	Phase 1	9000	1	Pass	10.028
5.76101 MHz	2	29.428	60	-30.572	Phase 1	9000	1	Pass	10.067
17.09751 MHz	2	27.603	60	-32.397	Phase 1	9000	1	Pass	10.355

Final source : Average

Frequency	SR #	Meas.Avg (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW (Hz)	Meas.Time (s)	Comments	Correction (dB)
198.54 kHz	2	44.462	53.694	-9.232	Phase 1	9000	1	Pass	9.871
383.709 kHz	2	34.996	48.236	-13.24	Phase 1	9000	1	Pass	9.86
1.920289 MHz	2	26.018	46	-19.982	Phase 1	9000	1	Pass	9.964
3.07229 MHz	2	40.696	46	-5.304	Phase 1	9000	1	Pass	10.028
5.76101 MHz	2	29.13	50	-20.87	Phase 1	9000	1	Pass	10.067
17.09751 MHz	2	18.676	50	-31.324	Phase 1	9000	1	Pass	10.355