

## APPENDIX B – TEST DATA OF RADIATED EMISSION

Note1: The worst channel results are reflected in the report.

Note2: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan

Note3: After comparison, the worst case attitude is EUT lay down.

Note4: According to PSD comparison, the worst case for 11a and 11ax full RU is 11a, so 11a results are reflected in the report.

Note5: According to PSD comparison, the worst case for 11ax partial RU and 11ax full RU is 11ax partial RU, so 11ax partial RU results are reflected in the report.

Note6: According to PSD comparison, the worst case for 11ax partial RU is 26 Tone, so 26 Tone results are reflected in the report.

### Radiated Emission Band Edge

Carrier frequency (MHz): 5955

Channel No.: 1

Modulation Type: 802.11a

Dectector: Peak							
Frequency (MHz)	Reading MaxPeak (dBuV)	MaxPeak (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
5955.0	45.03	91.93	N/A	N/A	12.40	34.50	Vertical
5925.0	21.12	68.02	-5.98	74.00	12.40	34.50	Vertical

Dectector: Average							
Frequency (MHz)	Reading Average (dBuV)	Average (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
5955.0	33.69	80.59	N/A	N/A	12.40	34.50	Vertical
5925.0	6.35	53.25	-0.75	54.00	12.40	34.50	Vertical

Carrier frequency (MHz): 6415

Channel No.: 93

Modulation Type: 802.11a

Dectector: Peak							
Frequency (MHz)	Reading MaxPeak (dBuV)	MaxPeak (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
6415.0	36.53	83.43	N/A	N/A	12.40	34.50	Vertical
6425.0	26.59	73.49	-0.51	74.00	12.40	34.50	Vertical

Dectector: Average							
Frequency	Reading	Average	Over	Limit	Cable	Antenna	Polarity

(MHz)	Average (dBuV)	(dBuV/m)	Limt (dB)	(dBuV/m)	Loss (dB)	Factor (dB)	
6415.0	24.83	71.73	N/A	N/A	12.40	34.50	Vertical
6425.0	5.97	52.87	-1.13	54.00	12.40	34.50	Vertical

### Partial RU

Carrier frequency (MHz): 5955

Channel No.:1

Modulation Type: 802.11ax

Dectector: Peak							
Frequency (MHz)	Reading MaxPeak (dBuV)	MaxPeak (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
5955.0	26.00	72.90	N/A	N/A	12.40	34.50	Vertical
5925.0	-2.50	44.40	-29.60	74.00	12.40	34.50	Vertical

Dectector: Average							
Frequency (MHz)	Reading Average (dBuV)	Average (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
5955.0	14.30	61.20	N/A	N/A	12.40	34.50	Vertical
5925.0	-15.70	31.20	-22.80	54.00	12.40	34.50	Vertical

Carrier frequency (MHz): 6415

Channel No.:93

Modulation Type: 802.11ax

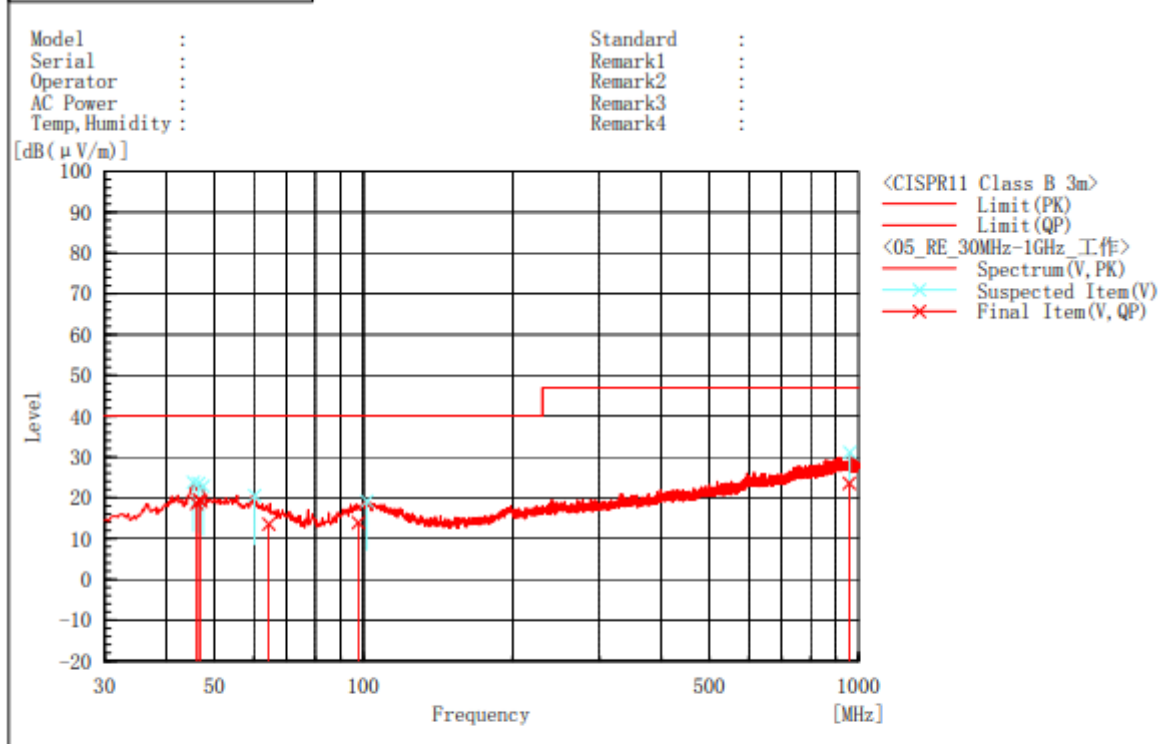
Dectector: Peak							
Frequency (MHz)	Reading MaxPeak (dBuV)	MaxPeak (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
6415.0	27.00	73.90	N/A	N/A	12.40	34.50	Vertical
6425.0	14.40	61.30	-12.70	74.00	12.40	34.50	Vertical

Dectector: Average							
Frequency (MHz)	Reading Average (dBuV)	Average (dBuV/m)	Over Limt (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)	Polarity
6415.0	15.60	62.50	N/A	N/A	12.40	34.50	Vertical
6425.0	-2.90	44.00	-10.00	54.00	12.40	34.50	Vertical

**RE Sample Calculations**

CH1

05\_RE\_30MHz-1GHz\_工作.dat

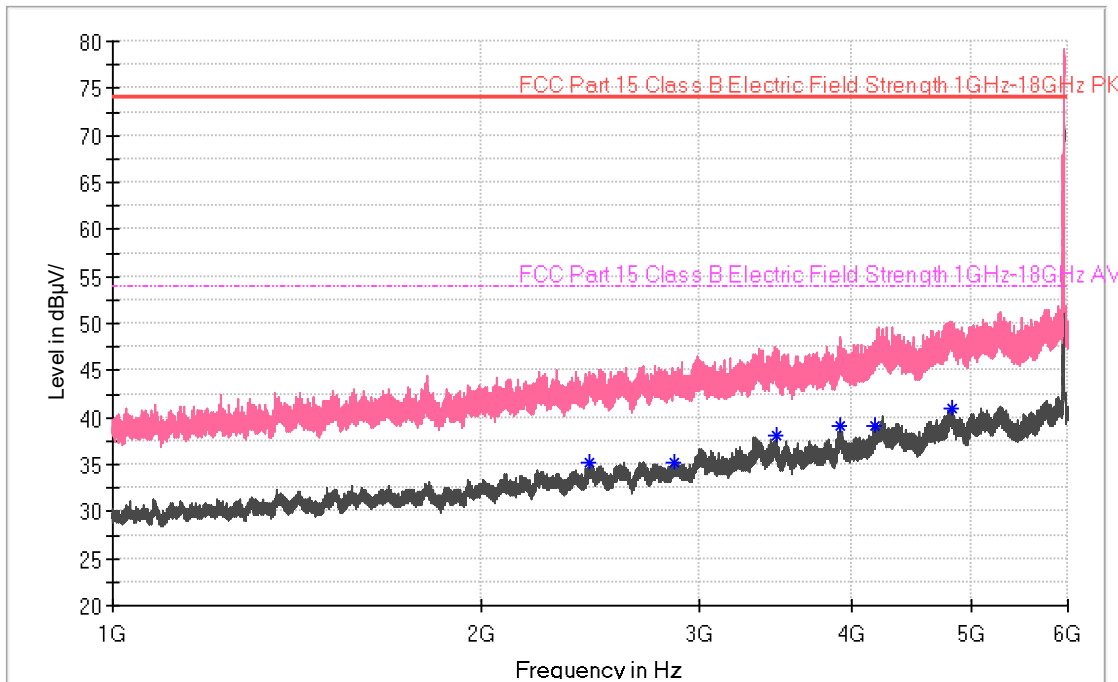


Final Result

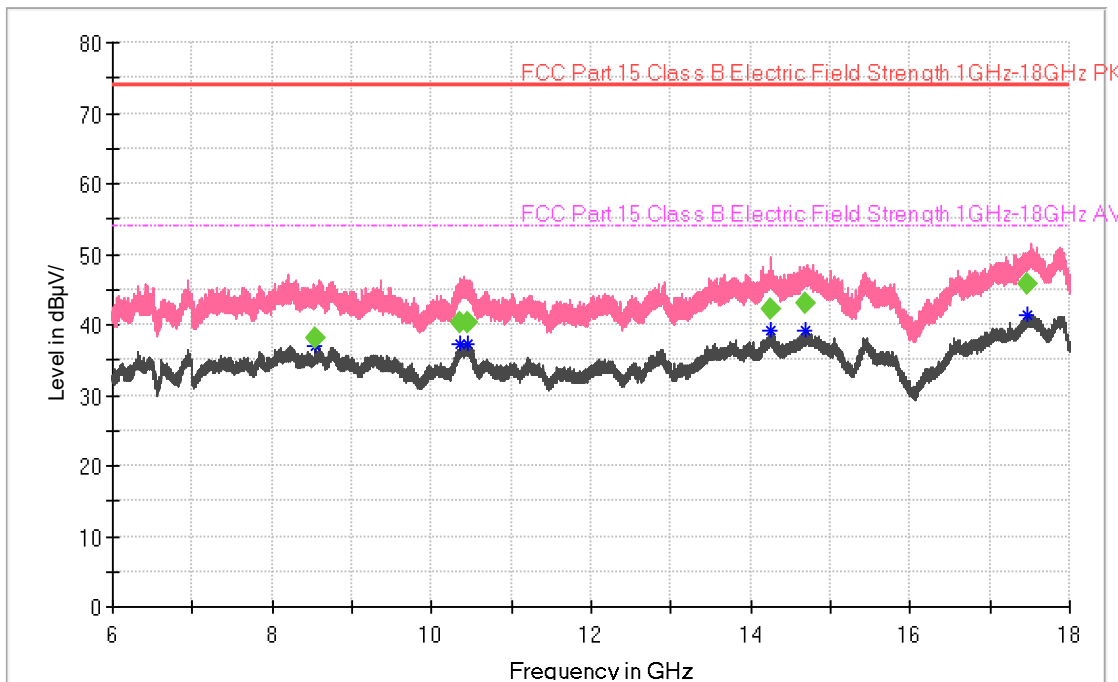
No.	Frequency [MHz]	(P)	Reading QP [dB(µV)]	c. f [dB(1/m)]	Result QP [dB(µV/m)]	Limit QP [dB(µV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	Remark
1	46.073	V	55.0	-36.4	18.6	40.0	21.4	399.0	292.0	
2	46.586	V	55.8	-36.3	19.5	40.0	20.5	398.0	195.7	
3	46.974	V	55.4	-36.2	19.2	40.0	20.8	399.0	357.0	
4	64.382	V	52.0	-38.4	13.6	40.0	26.4	246.0	356.3	
5	97.624	V	51.7	-37.8	13.9	40.0	26.1	312.0	282.4	
6	957.080	V	47.9	-24.4	23.5	47.0	23.5	399.0	315.7	

Frequency Range: 30MHz -1GHz

Full Spectrum



Full Spectrum



Frequency (MHz)	Reading (dBuV)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Arpl (dB)	Polarity
2447.70	51.56	35.16	54.00	18.84	-16.40	Vertical
2871.60	51.38	35.28	54.00	18.72	-16.10	Vertical
3467.40	52.69	37.99	54.00	16.01	-14.70	Vertical
3910.30	53.11	39.01	54.00	14.99	-14.10	Vertical

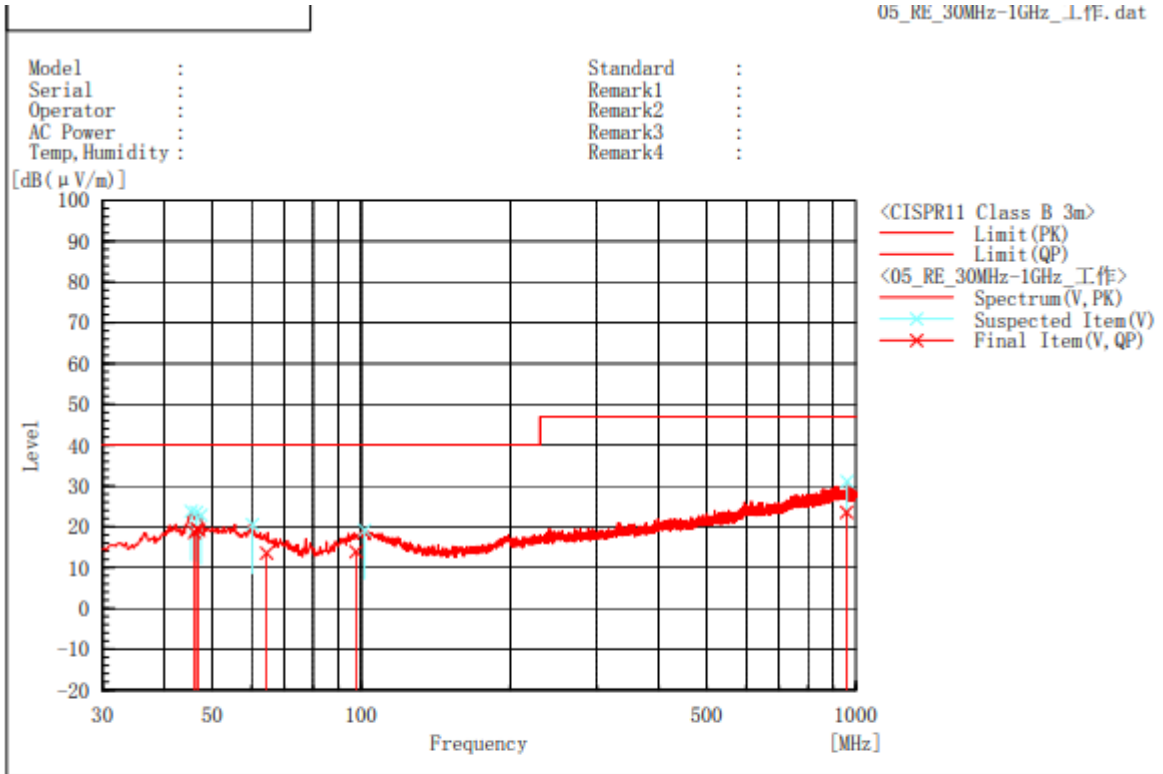
4180.60	53.04	39.14	54.00	14.86	-13.90	Vertical
4820.80	52.72	41.02	54.00	12.98	-11.70	Vertical

Frequency (MHz)	Reading (dBuV)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Arpl (dB)	Polarity
8549.60	51.95	38.05	54.00	15.95	-13.90	Vertical
10364.00	52.71	40.31	54.00	13.69	-12.40	Vertical
10463.60	52.23	40.23	54.00	13.77	-12.00	Vertical
14250.40	52.78	42.18	54.00	11.82	-10.60	Vertical
14686.40	53.99	42.99	54.00	11.01	-11.00	Vertical
17476.80	54.17	45.67	54.00	8.33	-8.50	Vertical

Frequency Range: 1GHz -18GHz

Note: 18-40GHz, all noise floor, no abnormal points.

**11axPartial RU**  
**RE Sample Calculations**  
CH44



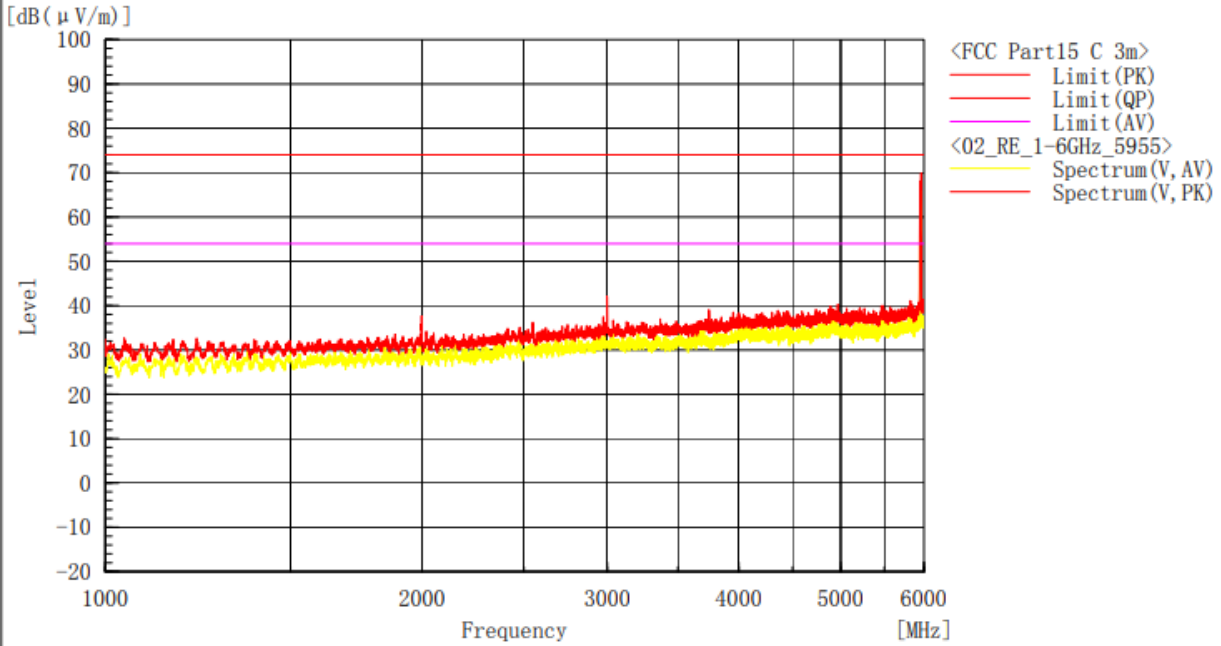
Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c. f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	Remark
1	46.073	V	55.0	-36.4	18.6	40.0	21.4	399.0	292.0	
2	46.586	V	55.8	-36.3	19.5	40.0	20.5	398.0	195.7	
3	46.974	V	55.4	-36.2	19.2	40.0	20.8	399.0	357.0	
4	64.382	V	52.0	-38.4	13.6	40.0	26.4	246.0	356.3	
5	97.624	V	51.7	-37.8	13.9	40.0	26.1	312.0	282.4	
6	957.080	V	47.9	-24.4	23.5	47.0	23.5	399.0	315.7	

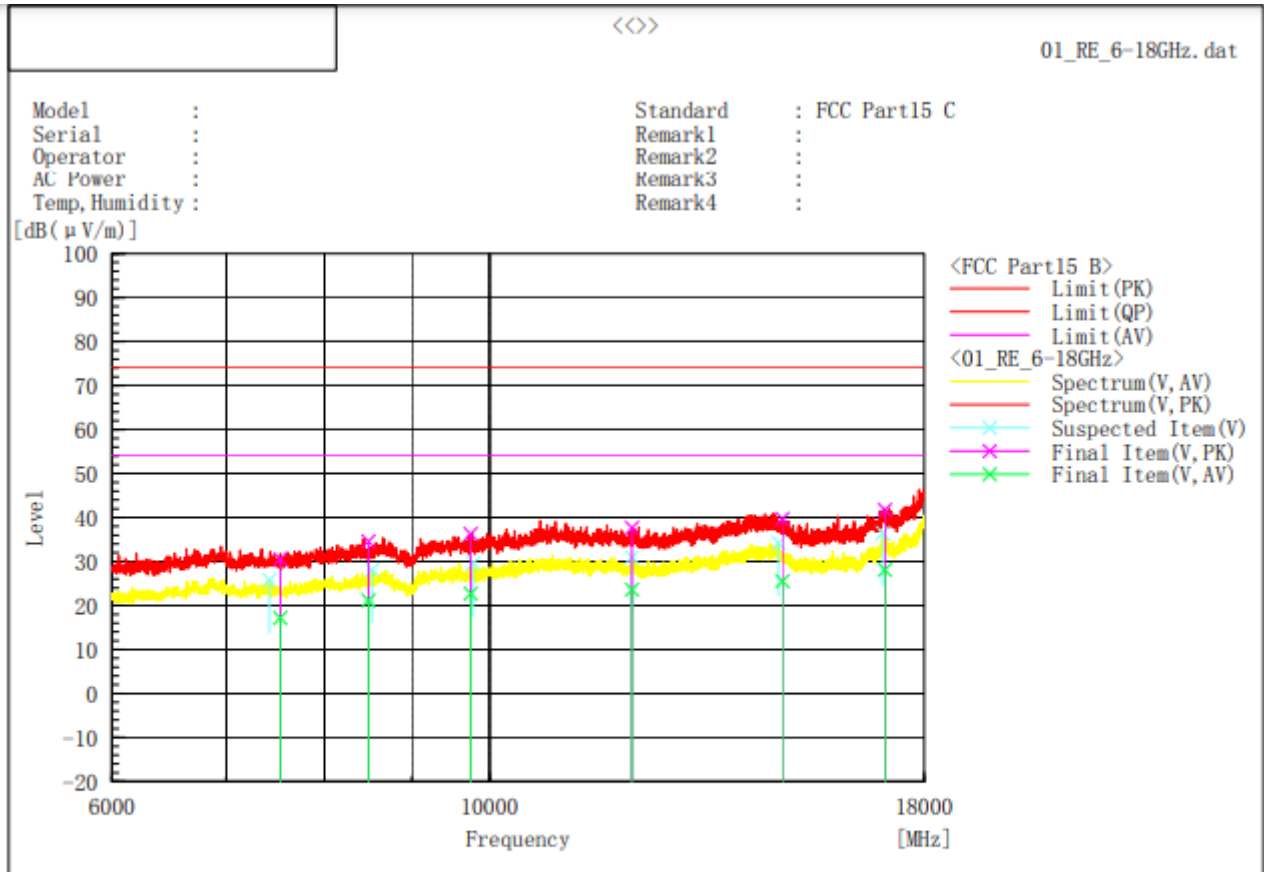
Frequency Range: 30MHz -1GHz

02\_RE\_1-6GHz\_5955.dat

Model	:	Standard	:	FCC Part15 C
Serial	:	Remark1	:	
Operator	:	Remark2	:	
AC Power	:	Remark3	:	
Temp, Humidity	:	Remark4	:	



Frequency Range: 1GHz -6GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading AV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result AV [dB(μV/m)]	Limit PK [dB(μV/m)]	Limit AV [dB(μV/m)]	Margin PK [dB]	Margin AV [dB]	Height [cm]	Angle [°]	Remark
1	7532.601	V	43.7	30.3	-13.1	30.6	17.2	74.0	54.0	43.4	36.8	119.8	244.4	
2	8487.158	V	46.3	32.9	-11.7	34.6	21.2	74.0	54.0	39.4	32.8	119.8	70.6	
3	9746.447	V	45.8	32.2	-9.5	36.3	22.7	74.0	54.0	37.7	31.3	119.8	168.0	
4	12119.840	V	45.6	31.6	-8.0	37.6	23.6	74.0	54.0	36.4	30.4	119.4	239.5	
5	14856.220	V	46.9	32.7	-7.2	39.7	25.5	74.0	54.0	34.3	28.5	120.0	359.3	
6	17067.810	V	46.5	32.8	-4.7	41.8	28.1	74.0	54.0	32.2	25.9	120.6	302.7	

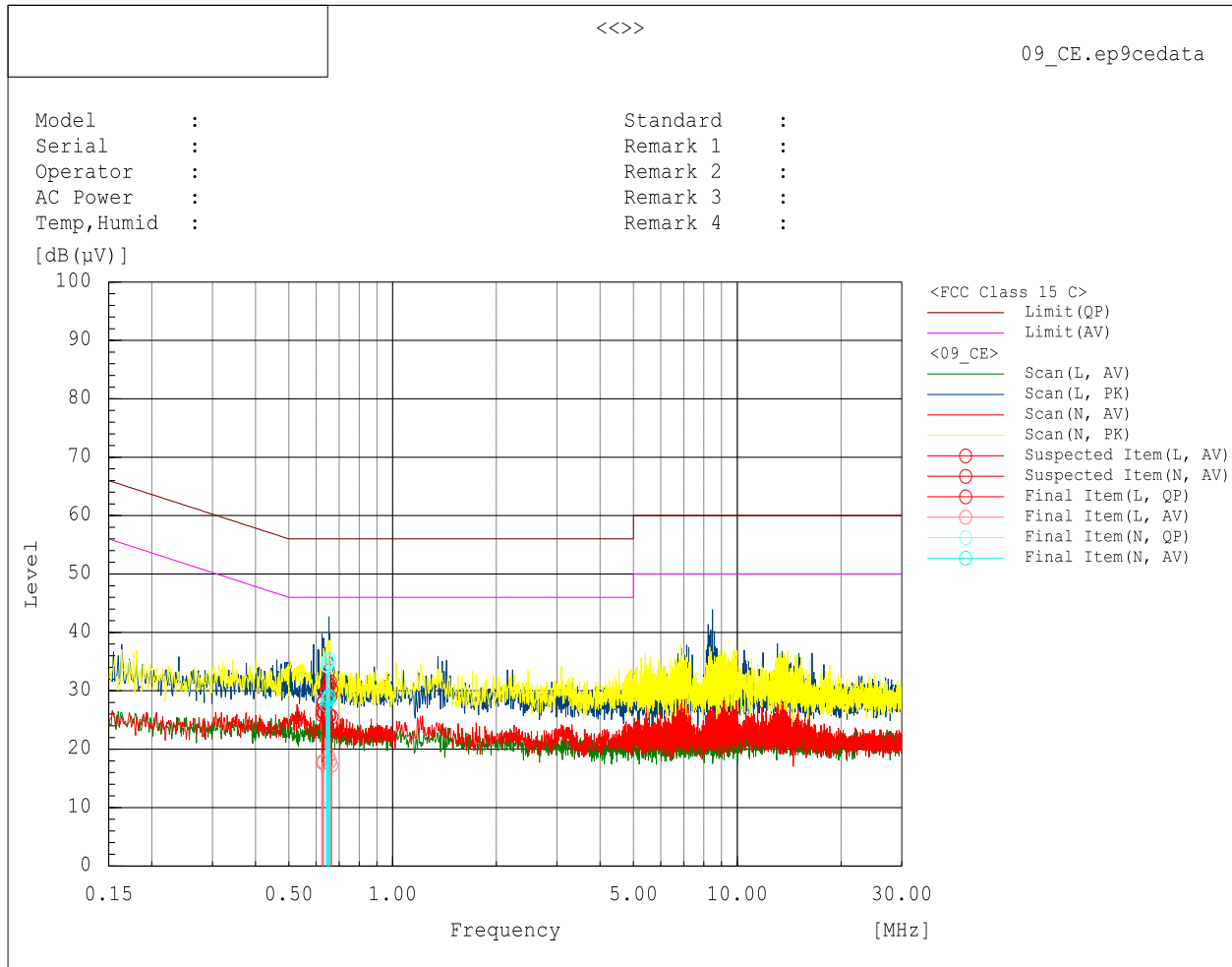
Frequency Range: 6GHz -18GHz

Note: 18-40GHz, all noise floor, no abnormal points.

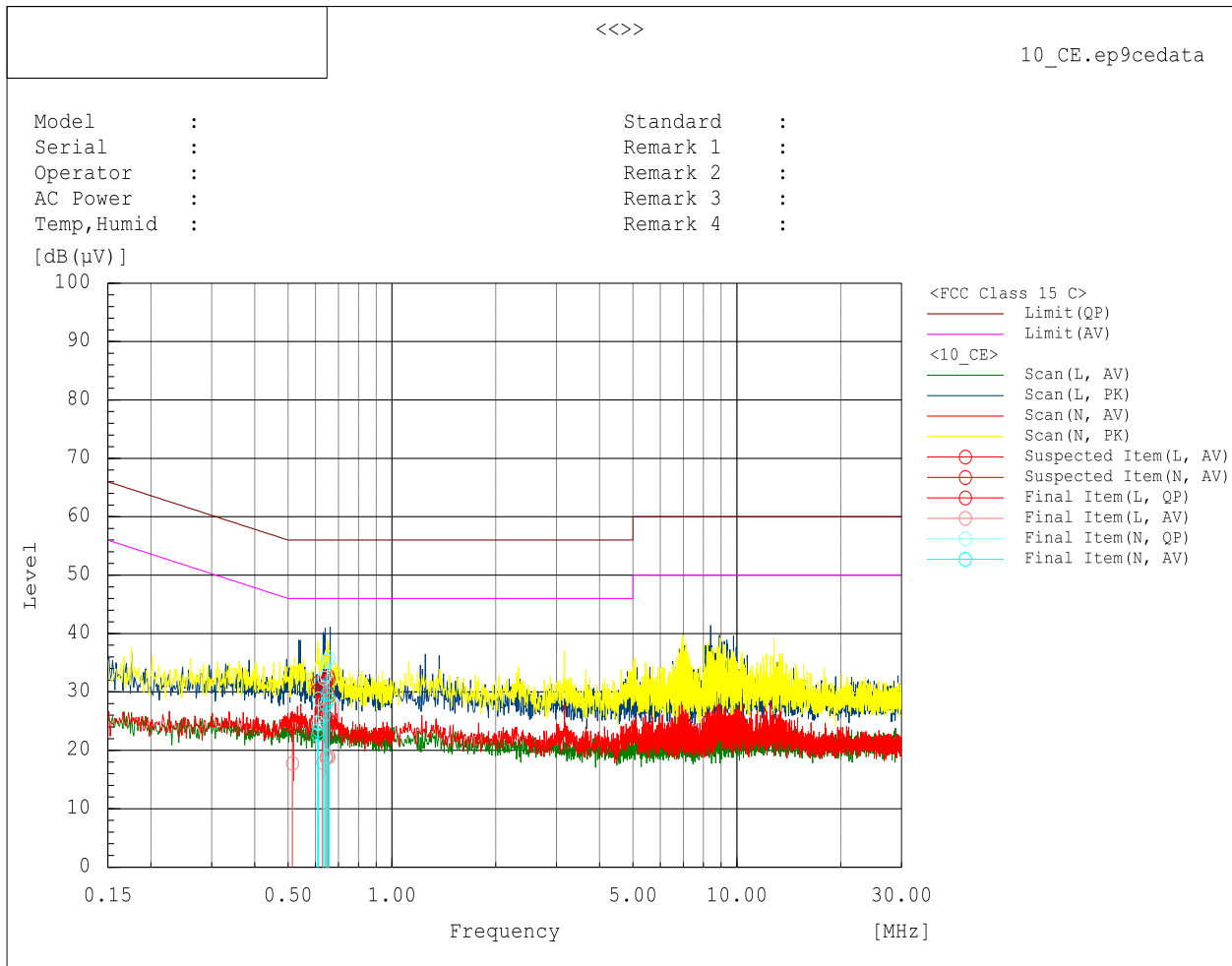


## AC Power line Conducted Emission

### MEASUREMENT RESULT:



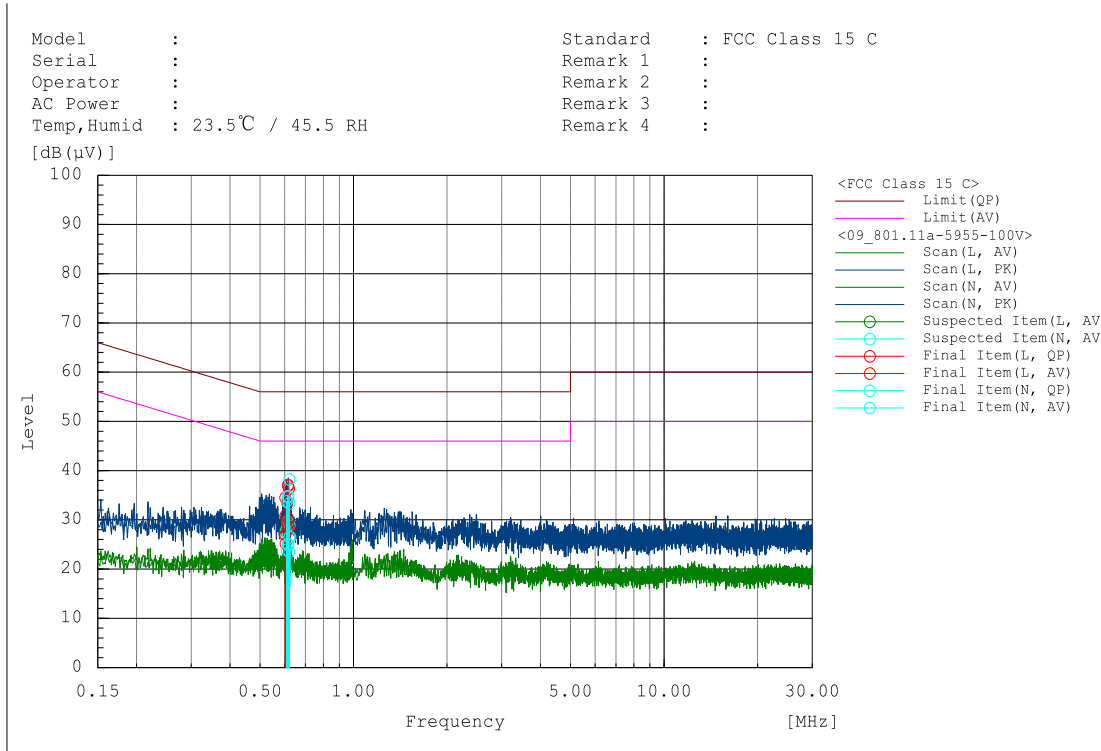
Range	Frequency MHz	Line	Reading			Factor dB	Level			Limit dB(μV)	Limit			Margin			Pass/Fail	Remark
			dB(μV)				dB(μV)				dB(μV)			dB				
			QP	AV	PK		QP	AV	PK		QP	AV	PK	QP	AV	PK		
Band1	0.62	L	6.8	-2.1		19.9	26.7	17.8		56	46		29.3	28.2		Pass		
Band1	0.63	L	8	-2.1		19.9	27.9	17.8		56	46		28.1	28.2		Pass		
Band1	0.63	L	8.4	-2.1		19.9	28.3	17.8		56	46		27.7	28.2		Pass		
Band1	0.65	L	13.5	-1		19.9	33.4	18.9		56	46		22.6	27.1		Pass		
Band1	0.66	L	11.7	-1.9		19.9	31.6	18		56	46		24.4	28		Pass		
Band1	0.67	L	10.3	-2.6		19.9	30.2	17.3		56	46		25.8	28.7		Pass		
Band1	0.64	N	14.6	7.7		19.9	34.5	27.6		56	46		21.5	18.4		Pass		
Band1	0.65	N	14.5	8.5		19.9	34.4	28.4		56	46		21.6	17.6		Pass		
Band1	0.65	N	15.1	8.7		19.9	35	28.6		56	46		21	17.4		Pass		
Band1	0.65	N	15.6	9		19.9	35.5	28.9		56	46		20.5	17.1		Pass		
Band1	0.65	N	14.2	9.2		19.9	34.1	29.1		56	46		21.9	16.9		Pass		
Band1	0.66	N	15.2	8.9		19.9	35.1	28.8		56	46		20.9	17.2		Pass		



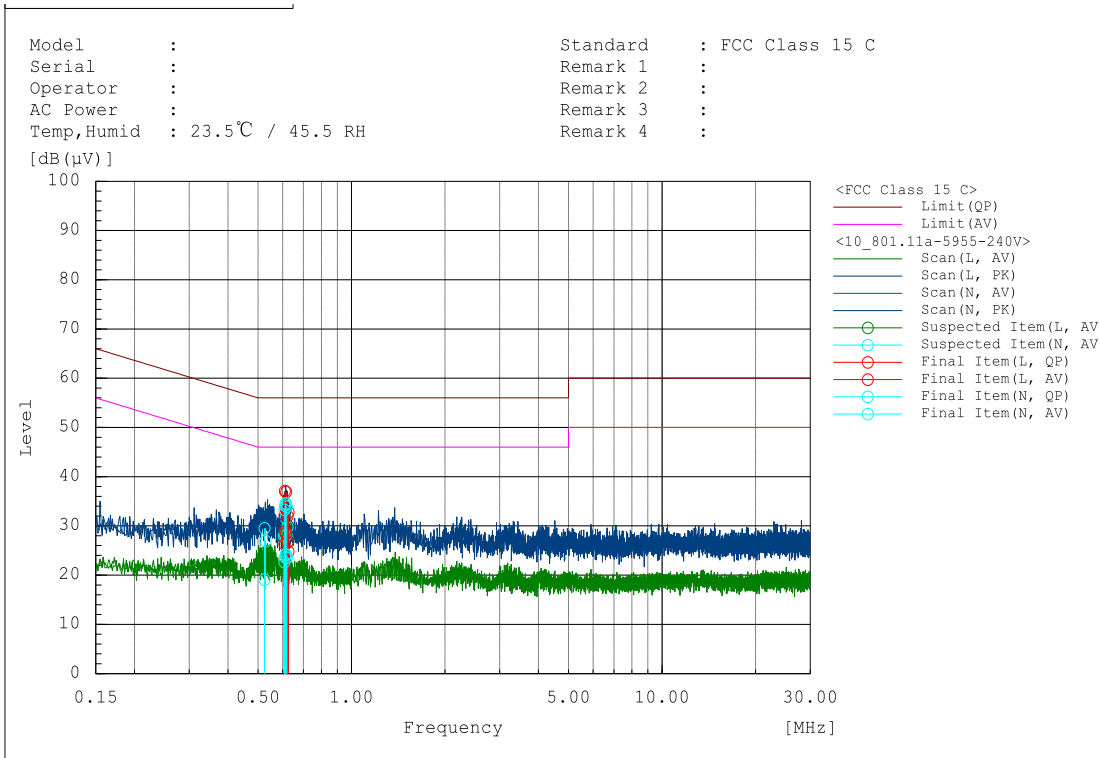
Range	Frequency MHz	Line	Reading			Factor dB	Level			Limit			Margin			Pass/Fail	Remark
			dB(μV)				dB(μV)			dB(μV)			dB				
			QP	AV	PK		QP	AV	PK	QP	AV	PK	QP	AV	PK		
Band1	0.61	N	8.9	3.6		19.9	28.8	23.5			56	46		27.2	22.5		Pass
Band1	0.61	N	4.8	2.8		19.9	24.7	22.7			56	46		31.3	23.3		Pass
Band1	0.63	N	12.5	6.1		19.9	32.4	26			56	46		23.6	20		Pass
Band1	0.64	N	13	7.9		19.9	32.9	27.8			56	46		23.1	18.2		Pass
Band1	0.65	N	15.4	9.8		19.9	35.3	29.7			56	46		20.7	16.3		Pass
Band1	0.66	N	15.9	8.8		19.9	35.8	28.7			56	46		20.2	17.3		Pass
Band1	0.52	L	4.3	-2.1		19.9	24.2	17.8			56	46		31.8	28.2		Pass
Band1	0.63	L	8.4	-2		19.9	28.3	17.9			56	46		27.7	28.1		Pass
Band1	0.64	L	11.7	-1.1		19.9	31.6	18.8			56	46		24.4	27.2		Pass
Band1	0.65	L	12	-1		19.9	31.9	18.9			56	46		24.1	27.1		Pass
Band1	0.65	L	12.8	-0.8		19.9	32.7	19.1			56	46		23.3	26.9		Pass
Band1	0.66	L	12.3	-1		19.9	32.2	18.9			56	46		23.8	27.1		Pass

## 11axPartialRU AC Power line Conducted Emission

### MEASUREMENT RESULT:



Range	Frequency MHz	Line	Reading			Factor	Level			Limit			Margin			Pass/Fail	Remark	
			dB(μV)				dB	dB(μV)			dB(μV)			dB				
			QP	AV	PK			QP	AV	PK	QP	AV	PK	QP	AV			PK
Band1	0.604	L	11	5.3		19.9	30.9	25.2		56	46		25.1	20.8		Pass		
Band1	0.603	L	14.6	7.1		19.9	34.5	27		56	46		21.5	19		Pass		
Band1	0.612	L	13.6	8.1		19.9	33.5	28		56	46		22.5	18		Pass		
Band1	0.615	L	17.2	9.3		19.9	37.1	29.2		56	46		18.9	16.8		Pass		
Band1	0.616	L	17	10.3		19.9	36.9	30.2		56	46		19.1	15.8		Pass		
Band1	0.619	L	16.4	8.6		19.9	36.3	28.5		56	46		19.7	17.5		Pass		
Band1	0.608	N	13.9	4		19.9	33.8	23.9		56	46		22.2	22.1		Pass		
Band1	0.613	N	14.9	5.1		19.9	34.8	25		56	46		21.2	21		Pass		
Band1	0.614	N	14.9	5.2		19.9	34.8	25.1		56	46		21.2	20.9		Pass		
Band1	0.617	N	14.8	5.1		19.9	34.7	25		56	46		21.3	21		Pass		
Band1	0.621	N	18.3	6.6		19.9	38.2	26.5		56	46		17.8	19.5		Pass		
Band1	0.621	N	13.4	3.7		19.9	33.3	23.6		56	46		22.7	22.4		Pass		



Range	Frequency MHz	Line	Reading			Factor dB	Level			Limit dB(μV)	Limit			Margin			Pass/Fail	Remark
			dB(μV)				dB(μV)				dB(μV)			dB				
			QP	AV	PK		QP	AV	PK		QP	AV	PK	QP	AV	PK		
Band1	0.525	N	9.6	-0.8		19.9	29.5	19.1		56	46		26.5	26.9		Pass		
Band1	0.607	N	13.4	2.8		19.9	33.3	22.7		56	46		22.7	23.3		Pass		
Band1	0.613	N	14.6	4.2		19.9	34.5	24.1		56	46		21.5	21.9		Pass		
Band1	0.61	N	14.2	3.8		19.9	34.1	23.7		56	46		21.9	22.3		Pass		
Band1	0.614	N	14.7	4.3		19.9	34.6	24.2		56	46		21.4	21.8		Pass		
Band1	0.619	N	14	3.6		19.9	33.9	23.5		56	46		22.1	22.5		Pass		
Band1	0.607	L	12.2	6.4		19.9	32.1	26.3		56	46		23.9	19.7		Pass		
Band1	0.609	L	17.2	9		19.9	37.1	28.9		56	46		18.9	17.1		Pass		
Band1	0.614	L	13.7	8.5		19.9	33.6	28.4		56	46		22.4	17.6		Pass		
Band1	0.616	L	17	8.5		19.9	36.9	28.4		56	46		19.1	17.6		Pass		
Band1	0.622	L	12.1	6.7		19.9	32	26.6		56	46		24	19.4		Pass		
Band1	0.626	L	12.9	4.9		19.9	32.8	24.8		56	46		23.2	21.2		Pass		

---End of Test Report---