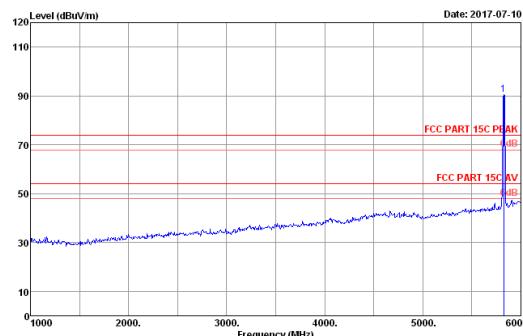


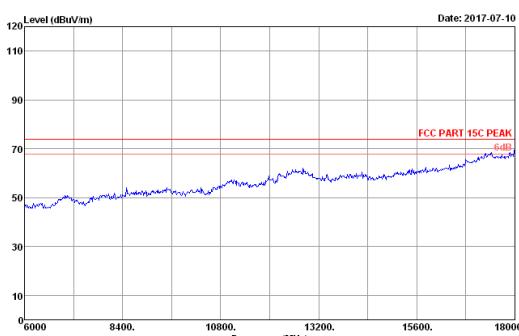
No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	71.81	35.45	85.05	74.00	-11.05	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

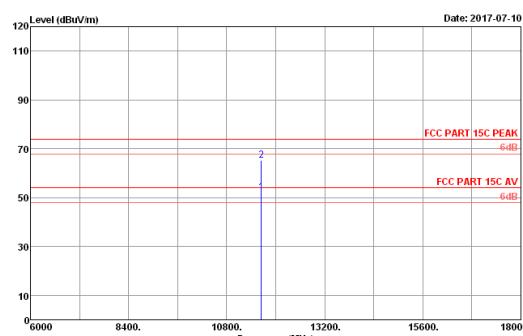


No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	77.47	35.45	90.71	74.00	-16.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

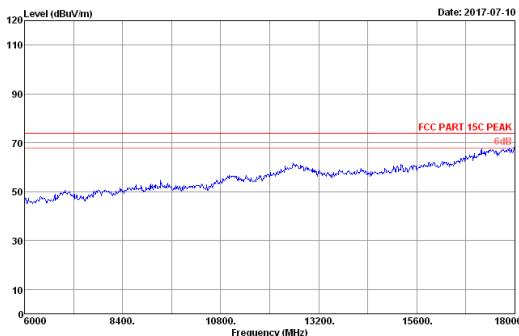


No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	29.26	35.37	52.27	64.00	1.73	Average

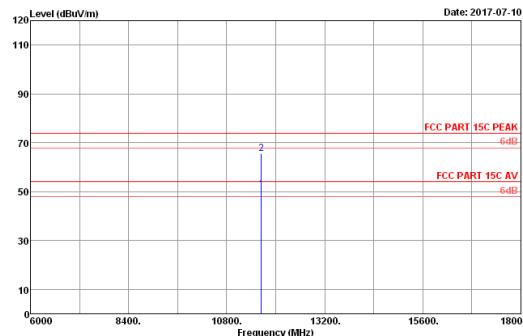


No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	29.26	35.37	52.27	64.00	1.73	Average
2	11650.00	38.14	20.24	42.17	35.37	65.18	74.00	8.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



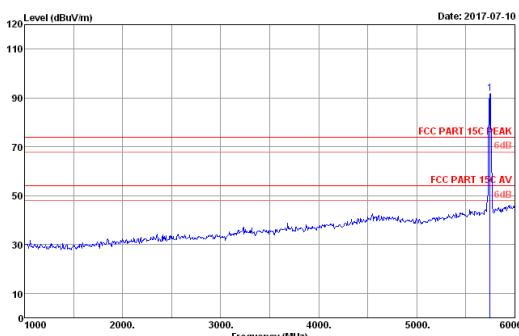
Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n 5825MHz Tx Mode



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	27.86	35.37	50.87	54.00	3.13 Average
2	11650.00	38.14	20.24	42.69	35.37	65.60	74.00	8.40 Peak

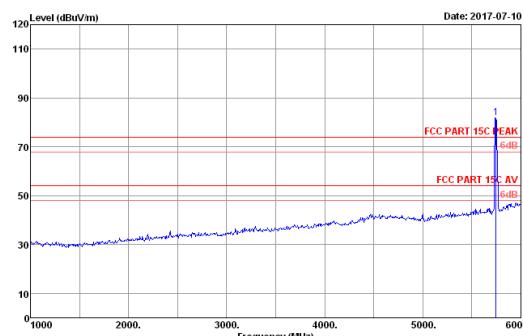
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.78	13.25	79.27	35.45	91.85	74.00	-17.85 Peak

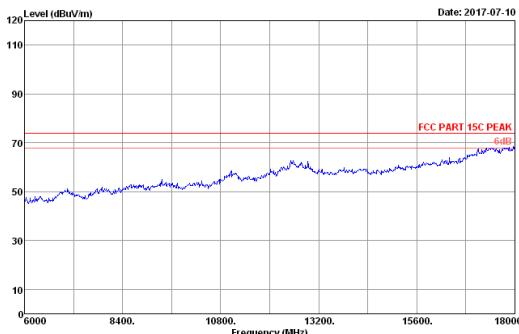
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



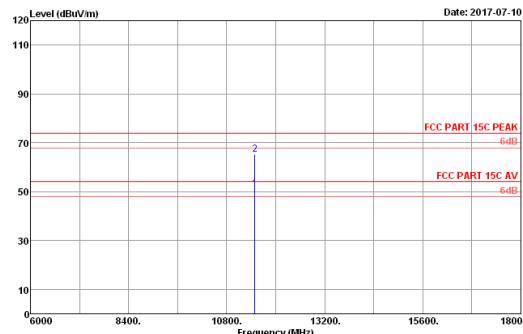
Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.78	13.25	69.26	35.45	81.84	74.00	-7.84 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



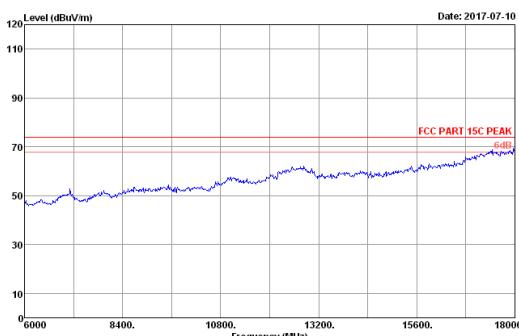
Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode



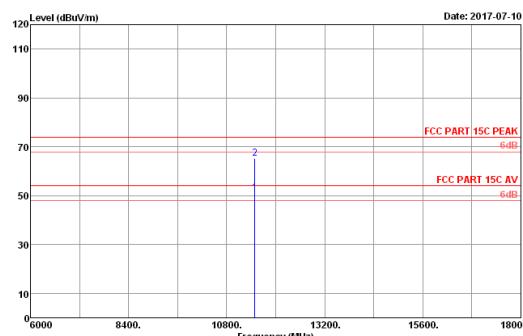
Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.00	38.21	19.94	28.36	35.36	51.15	54.00	2.85 Average
2	11490.00	38.21	19.94	42.66	35.36	65.35	74.00	8.65 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



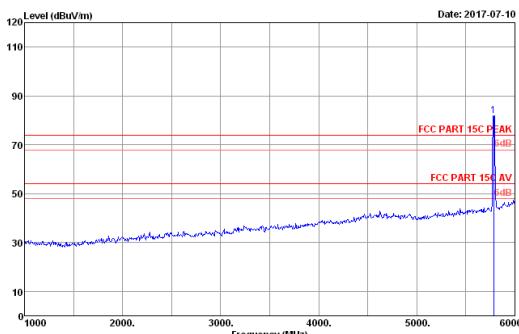
Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode



Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.00	38.21	19.94	28.46	35.36	51.25	54.00	2.75 Average
2	11490.00	38.21	19.94	42.35	35.36	65.14	74.00	8.86 Peak

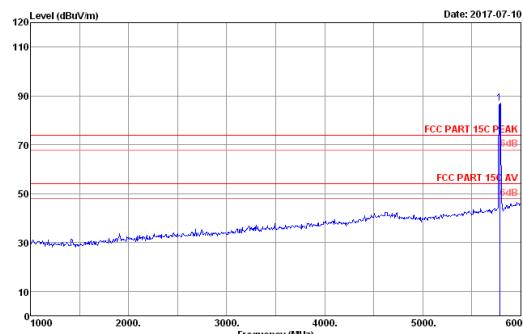
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP (dB)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	35.05	13.24	69.03	35.45	81.87	74.00	-7.87	Peak

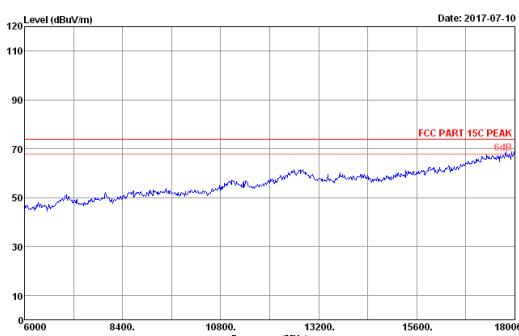
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



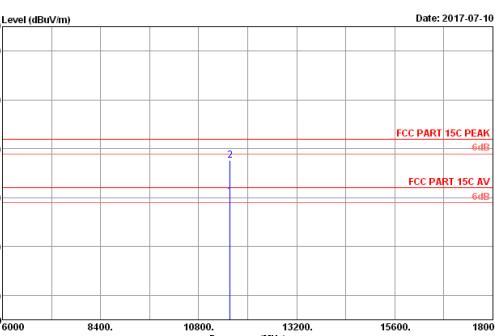
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP (dB)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	35.05	13.24	74.06	35.45	86.90	74.00	-12.90	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



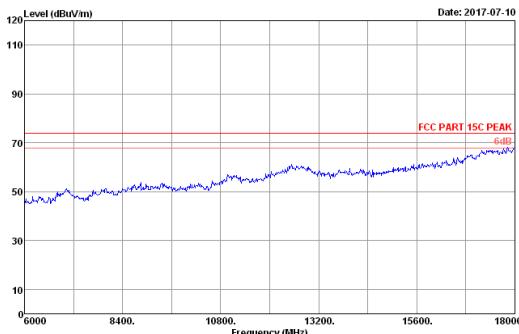
Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode



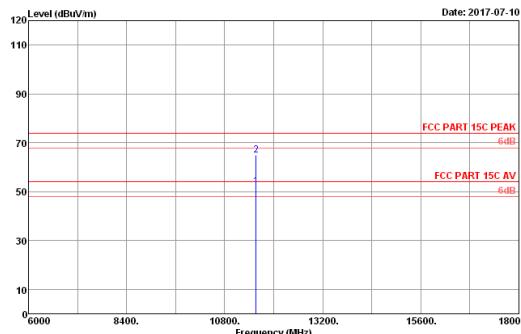
Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP (dB)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.17	20.02	27.69	35.35	60.53	64.00	3.47	Average
2	11570.00	38.17	20.02	42.31	35.35	65.15	74.00	8.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



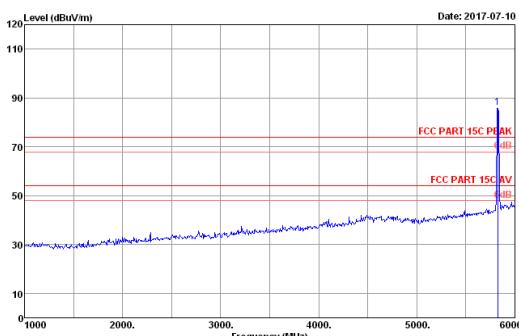
Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode



Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.17	20.02	29.34	35.35	52.18	54.00	1.82 Average
2	11570.00	38.17	20.02	42.19	35.35	65.03	74.00	8.97 Peak

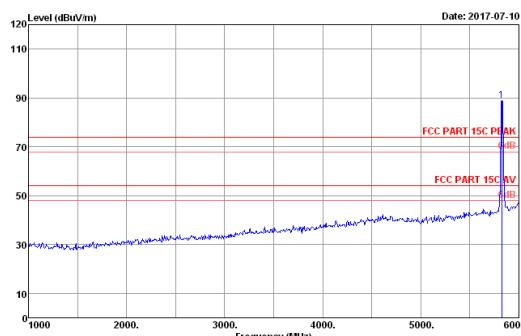
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	72.74	35.45	85.98	74.00	-11.98 Peak

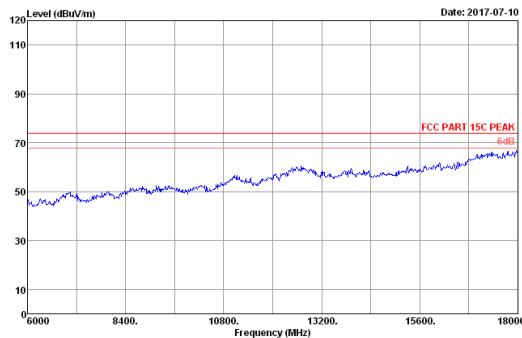
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



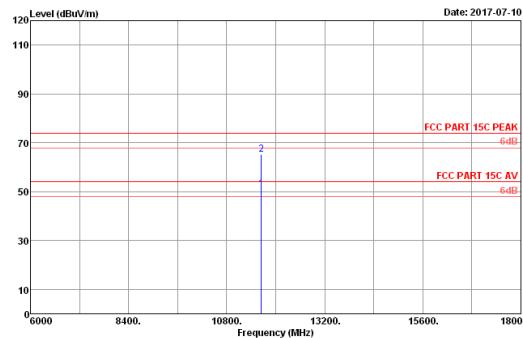
Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	75.87	35.45	89.11	74.00	-15.11 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



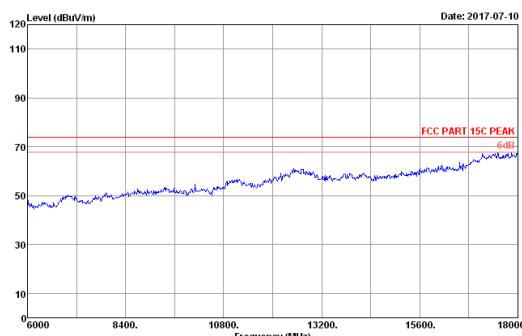
Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode



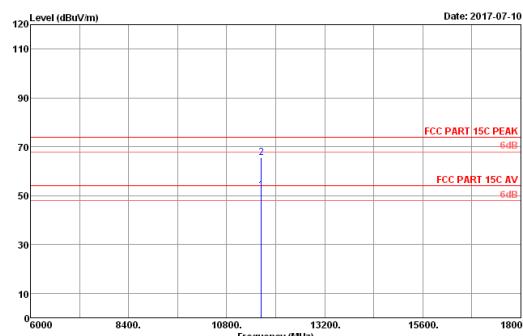
Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	28.35	35.37	51.36	54.00	2.64 Average
2	11650.00	38.14	20.24	42.32	35.37	65.33	74.00	8.67 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



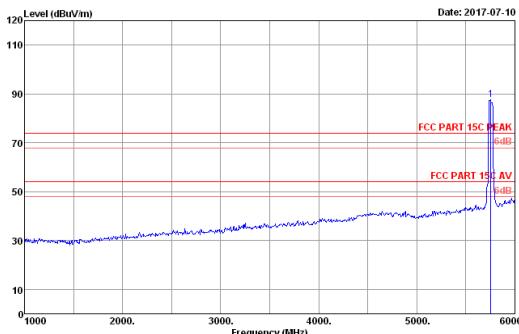
Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	29.13	35.37	52.14	54.00	1.86 Average
2	11650.00	38.14	20.24	42.72	35.37	65.73	74.00	8.27 Peak

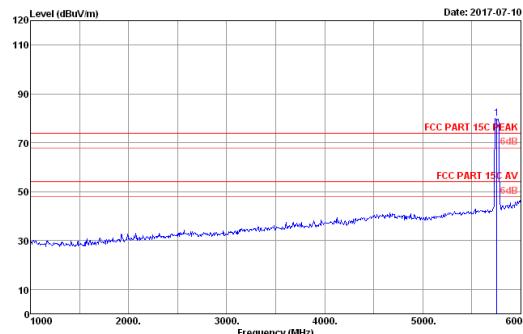
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.92	13.24	74.97	35.45	87.68	74.00	-13.68 Peak

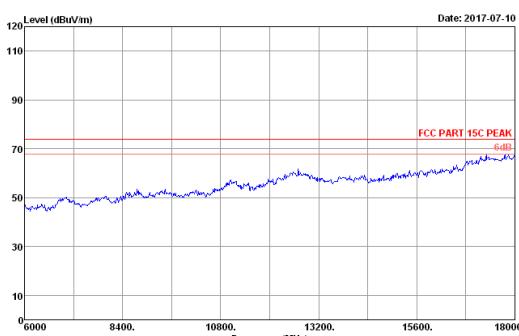
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



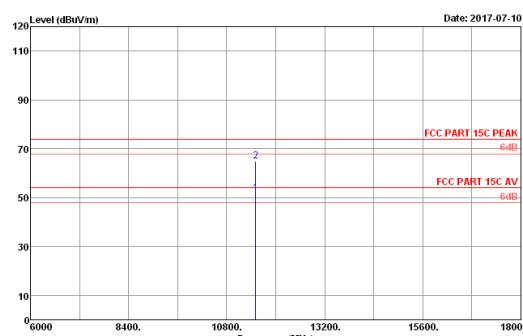
Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.92	13.24	67.42	35.45	80.13	74.00	-6.13 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



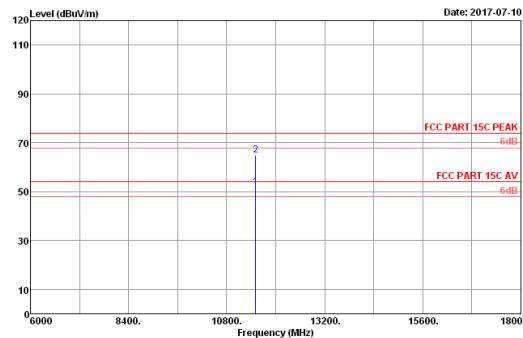
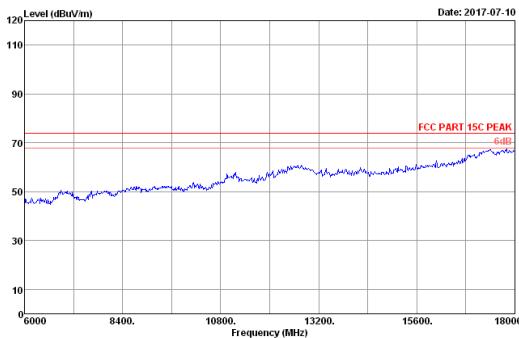
Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

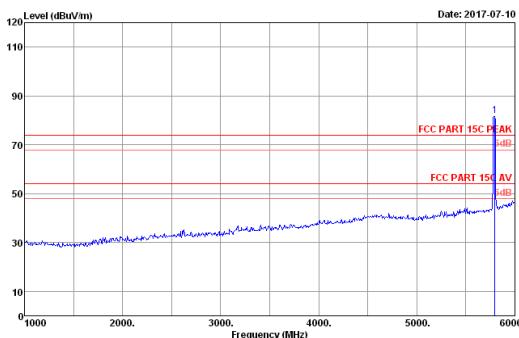
No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.20	19.85	29.15	35.34	51.86	64.00	2.14 Average
2	11510.00	38.20	19.85	42.36	35.34	65.07	74.00	8.93 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



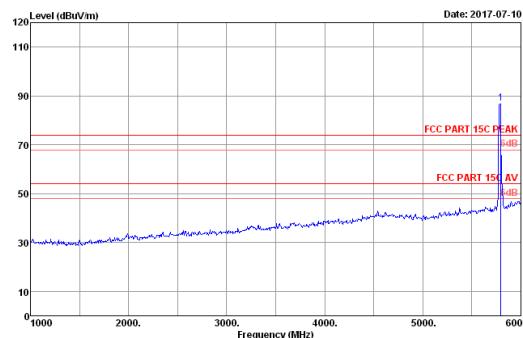
No.	Freq (MHz)	Ant. Factor	Cable Loss	AMP Reading	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.20	19.85	29.14	35.34	51.85	54.00	2.15 Average
2	11510.00	38.20	19.85	42.36	35.34	65.07	74.00	8.93 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



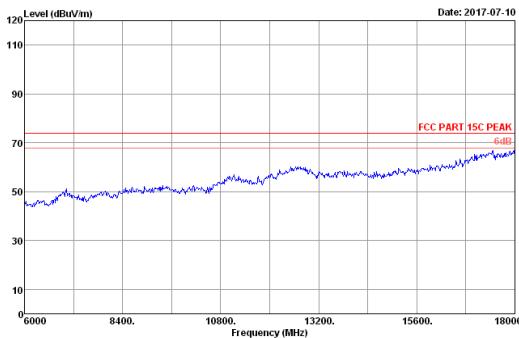
No.	Freq (MHz)	Ant. Factor	Cable Loss	AMP Reading	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	35.19	13.24	68.79	35.45	81.77	74.00	-7.77 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.

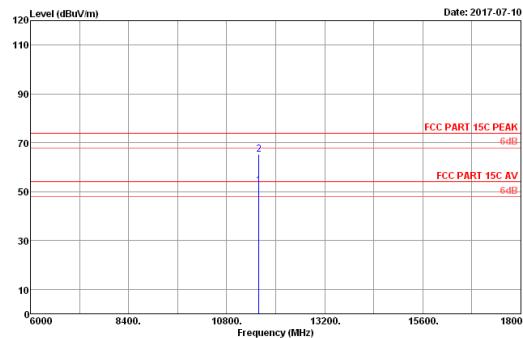


No.	Freq (MHz)	Ant. Factor	Cable Loss	AMP Reading	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	35.19	13.24	73.91	35.45	86.89	74.00	-12.89 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



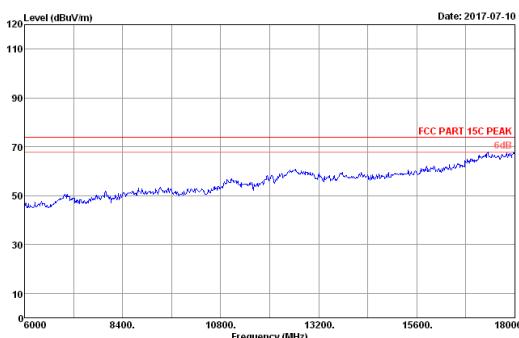
Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5795MHz Tx Mode



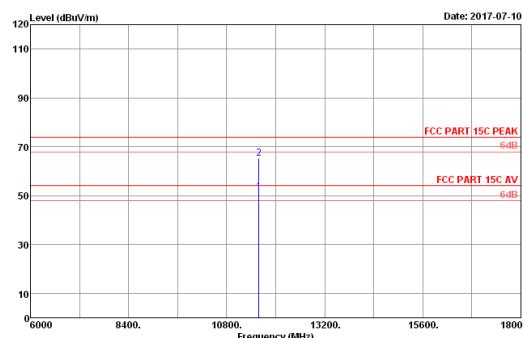
Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11590.00	38.17	20.07	29.64	35.36	52.52	54.00	1.48 Average
2	11590.00	38.17	20.07	42.81	35.36	65.39	74.00	8.61 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



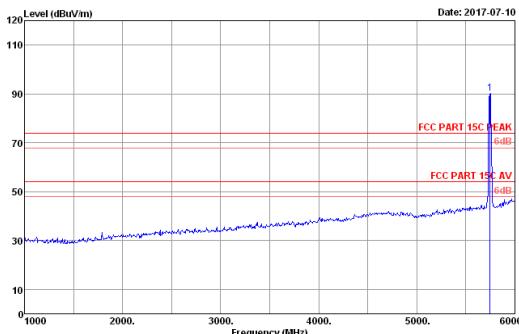
Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5795MHz Tx Mode



Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11590.00	38.17	20.07	28.65	35.36	51.53	54.00	2.47 Average
2	11590.00	38.17	20.07	42.81	35.36	65.39	74.00	8.61 Peak

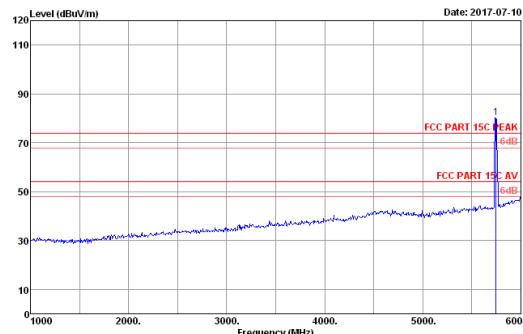
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.78	13.25	77.67	35.45	90.25	74.00	-16.25	Peak

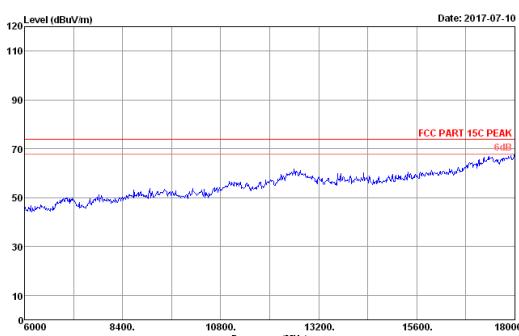
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



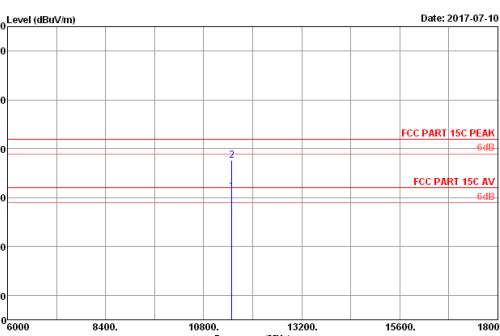
Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.78	13.25	67.70	35.45	80.28	74.00	-6.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



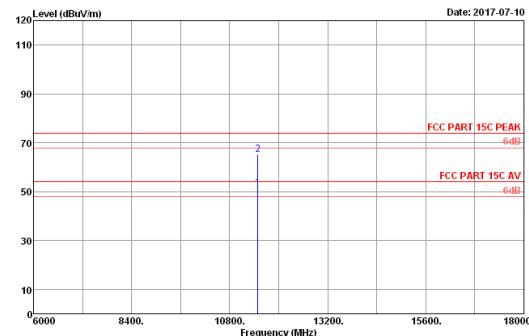
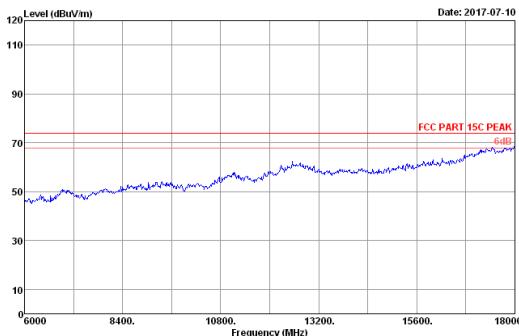
Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode



Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : &C 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

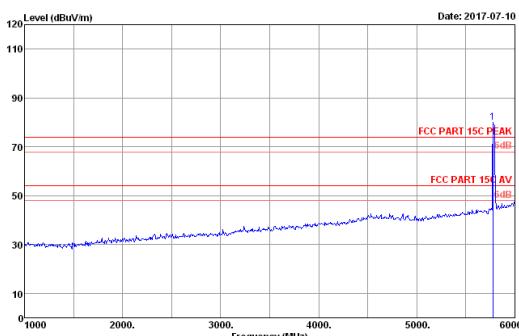
No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.00	38.21	19.94	29.64	35.36	52.33	64.00	1.67	Average
2	11490.00	38.21	19.94	42.39	35.36	65.18	74.00	8.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



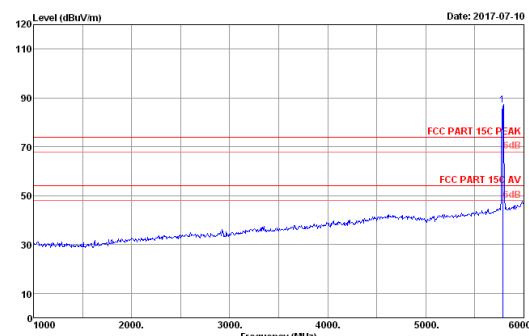
No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.00	38.21	19.94	28.65	35.36	51.44	54.00	2.56 Average
2	11490.00	38.21	19.94	42.33	35.36	65.12	74.00	8.88 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



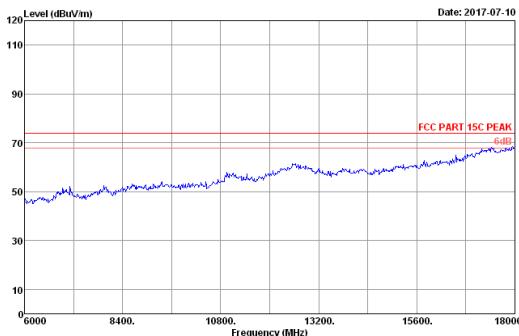
No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5775.00	35.05	13.24	67.25	35.45	80.09	74.00	-6.09 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.

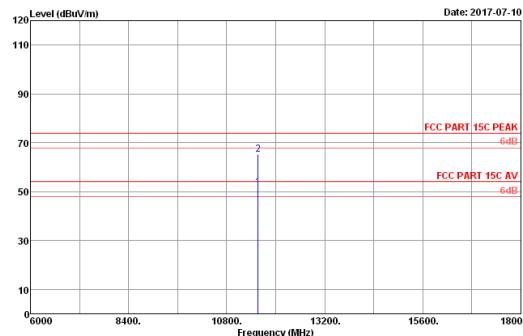


No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	AMP Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	35.05	13.24	74.33	35.45	87.17	74.00	-13.17 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



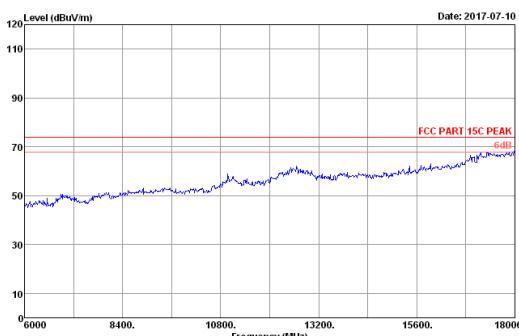
Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5785MHz Tx Mode



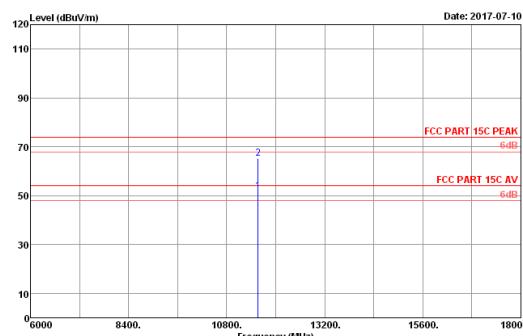
Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.17	20.02	29.13	35.35	51.97	54.00	2.03 Average
2	11570.00	38.17	20.02	42.31	35.35	65.15	74.00	8.85 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



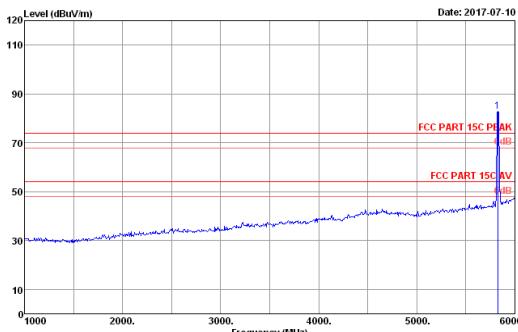
Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5785MHz Tx Mode



Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.17	20.02	28.94	35.35	51.78	54.00	2.22 Average
2	11570.00	38.17	20.02	42.51	35.35	65.35	74.00	8.66 Peak

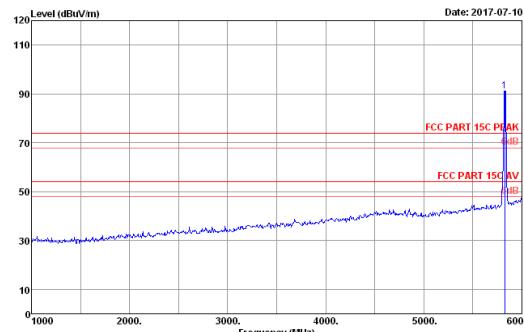
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Reading factor (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	69.77	35.45	83.01	74.00	-0.01 Peak

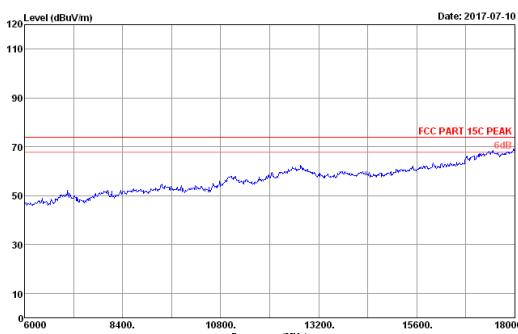
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



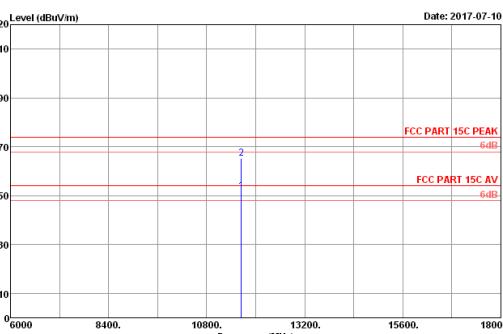
Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Reading factor (dBuV/m)	Margin (dB)	Remark
1	5825.00	35.46	13.23	78.03	35.45	91.27	74.00	-17.27 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



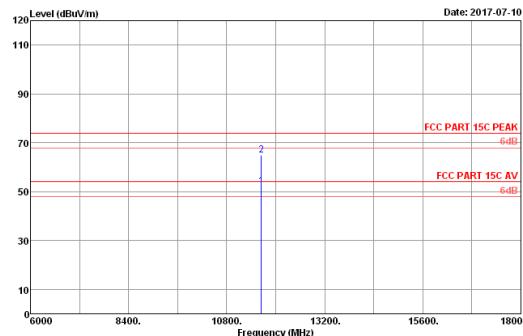
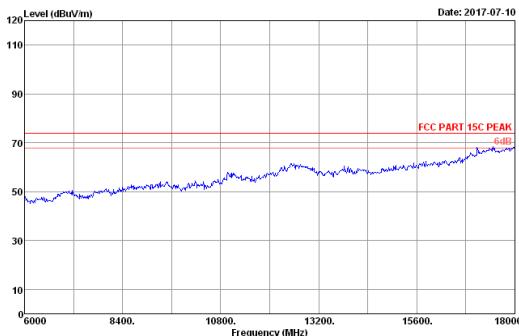
Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5825MHz Tx Mode



Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5825MHz Tx Mode

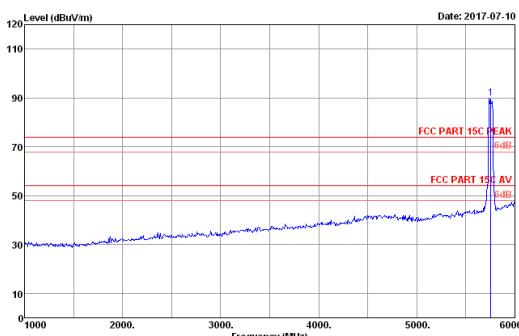
No.	Freq. (MHz)	Ant. (dB/n)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Reading factor (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	28.80	35.37	51.81	64.00	2.19 Average
2	11650.00	38.14	20.24	42.12	35.37	65.13	74.00	8.87 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



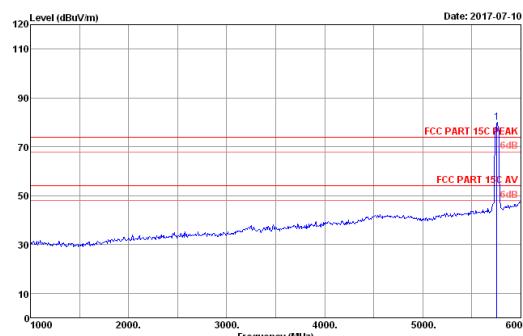
No.	Freq (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.14	20.24	29.06	35.37	52.07	54.00	1.93	Average
2	11650.00	38.14	20.24	42.02	35.37	65.03	74.00	8.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



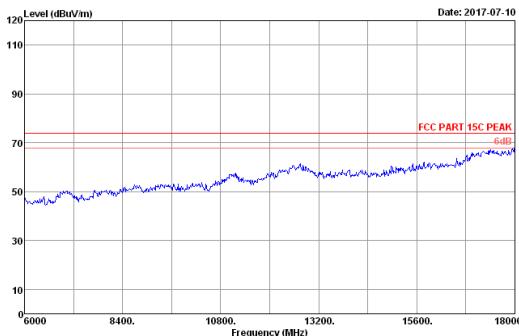
No.	Freq (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.92	13.24	77.25	35.45	89.96	74.00	-15.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.

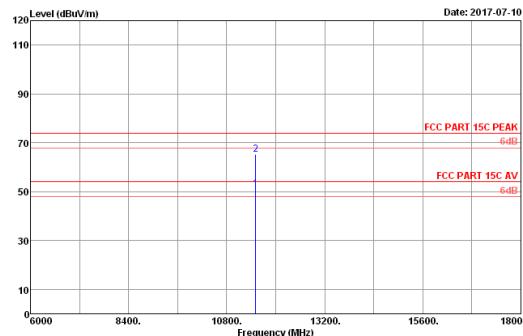


No.	Freq (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading factor (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.92	13.24	67.14	35.45	79.85	74.00	-5.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



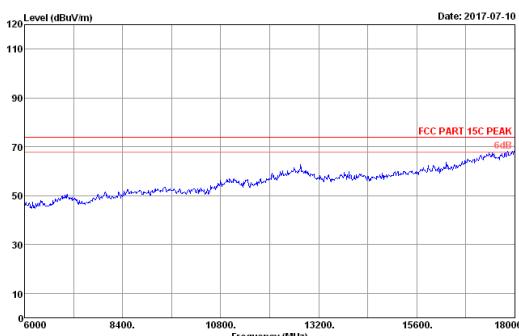
Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode



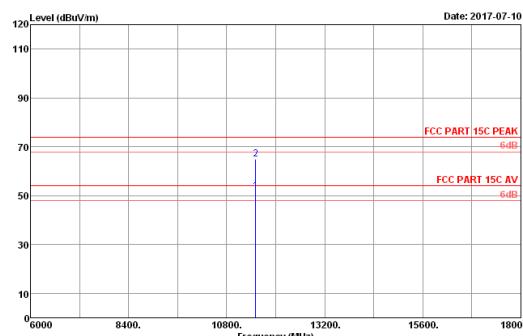
Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable Loss (dB)	AMP Reading factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.20	19.85	28.51	35.34	51.22	54.00	2.78 Average
2	11510.00	38.20	42.65	35.34	65.36	74.00	8.64	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



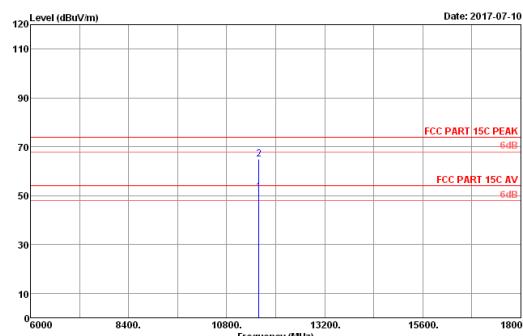
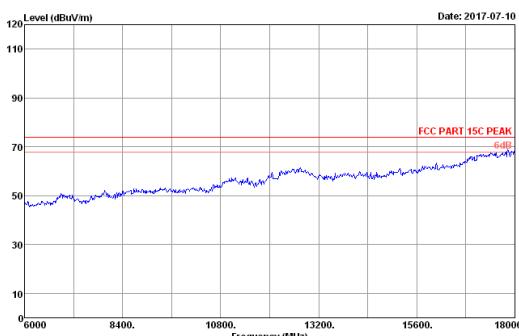
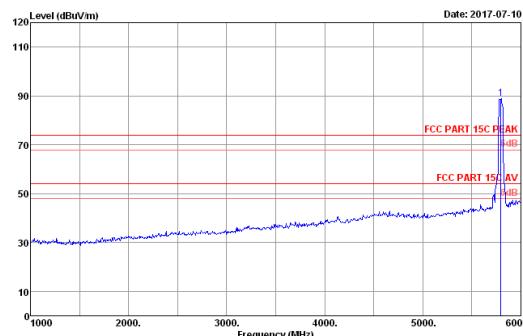
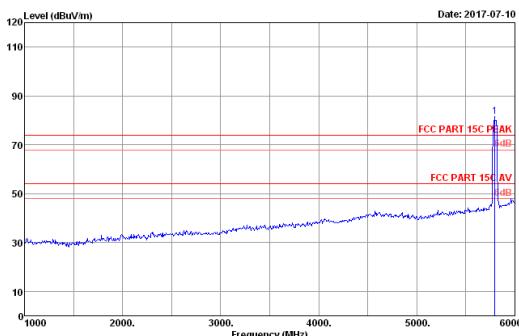
Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode

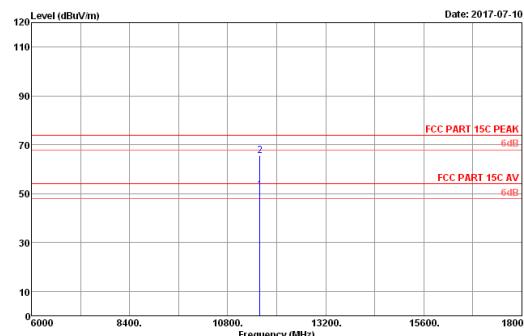
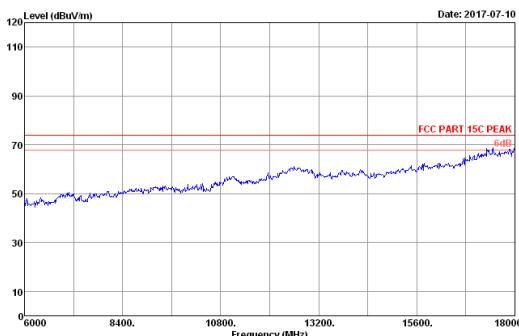


Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable Loss (dB)	AMP Reading factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.20	19.85	29.16	35.34	51.87	64.00	2.13 Average
2	11510.00	38.20	42.28	35.34	64.99	74.00	9.01	Peak

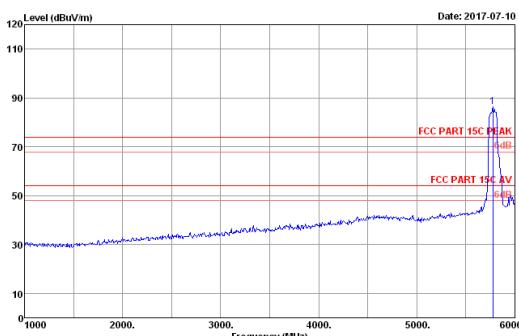
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.





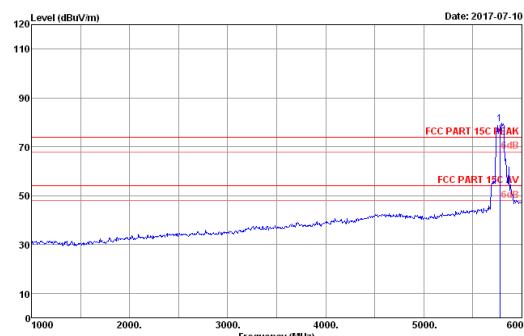
No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11590.00	38.17	20.07	28.67	35.36	51.55	54.00	2.45 Average
2	11590.00	38.17	20.07	42.66	35.36	65.44	74.00	8.56 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



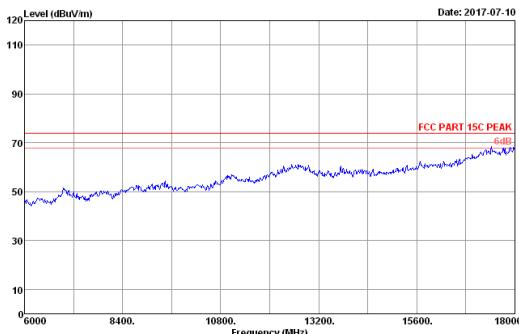
No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5775.00	35.05	13.24	73.58	35.45	86.42	74.00	-12.42 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.

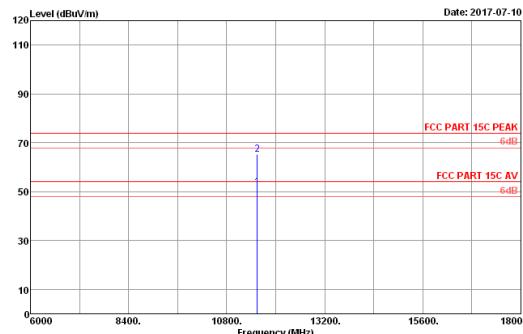


No.	Freq. (MHz)	Ant. (dBi)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5775.00	35.05	13.24	66.67	35.45	79.51	74.00	-5.51 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official limit are not reported.



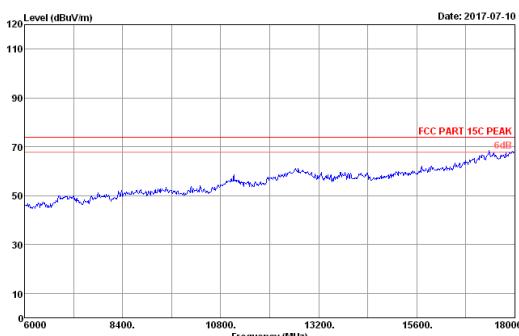
Site no. : 3m Chamber Data no. : 121
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode



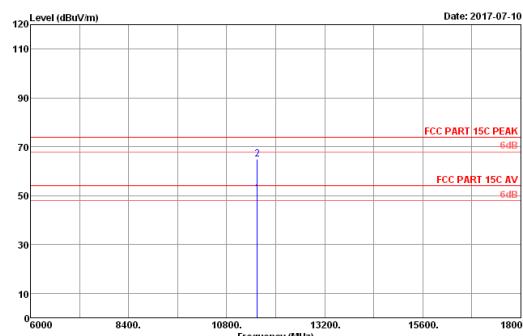
Site no. : 3m Chamber Data no. : 122
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable Loss (dB)	AMP Reading factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11550.00	38.18	19.96	28.94	35.35	51.73	54.00	2.27 Average
2	11550.00	38.18	19.96	42.36	35.35	65.16	74.00	8.85 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 123
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode



Site no. : 3m Chamber Data no. : 124
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi)	Cable Loss (dB)	AMP Reading factor (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11550.00	38.18	19.96	28.15	35.35	50.94	54.00	3.06 Average
2	11550.00	38.18	19.96	42.19	35.35	64.98	74.00	9.02 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-AMP Factor
2. The emission levels that are 20dB below the official
limit are not reported.

5. BAND EDGE COMPLIANCE TEST

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr.22,17	1 Year
2.	Amp	HP	8449B	3008A02495	Apr.22.17	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	MAY.15,17	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr.22,17	1 Year

5.2. Limit

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For devices with both operating frequencies and channel bandwidths contained within the band 5250-5350 MHz,

All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For transmitters operating in the band 5470-5725MHz,Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p.

For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz.

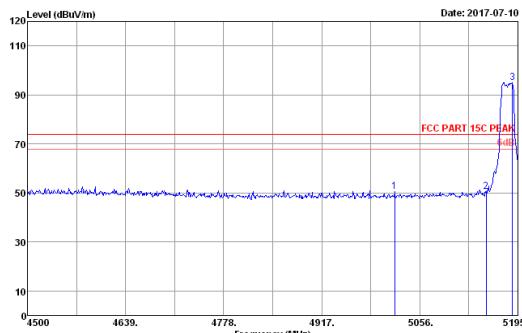
5.3. Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO
5. Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuV/m)-95.2
Get the final compare with limit.

5.4. Test Results

Pass (The testing data was attached in the next pages.)

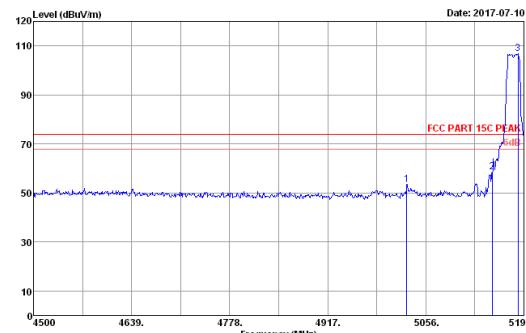
5180-5240MHz Band:



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss	Reading (dBuV)	AMP factor	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5020.43	32.13	12.49	41.57	35.71	50.48	74.00	23.52	Peak
2	5150.00	32.34	12.69	41.22	35.64	50.61	74.00	23.39	Peak
3	5187.28	32.39	12.76	85.60	35.62	95.13	74.00	-21.13	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss	Reading (dBuV)	AMP factor	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5028.95	32.15	12.49	44.47	35.70	53.41	74.00	20.59	Peak
2	5150.00	32.34	12.69	49.10	35.64	58.49	74.00	16.51	Peak
3	5186.51	32.39	12.76	97.50	35.62	107.03	74.00	-33.03	Peak

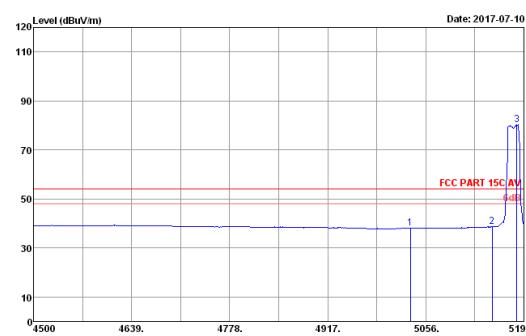
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss	Reading (dBuV)	AMP factor	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5126.93	32.31	12.66	34.29	35.65	43.61	54.00	10.39	Average
2	5150.00	32.34	12.69	30.66	35.64	40.05	54.00	13.95	Average
3	5173.08	32.37	12.76	85.89	35.63	96.39	54.00	-41.39	Average

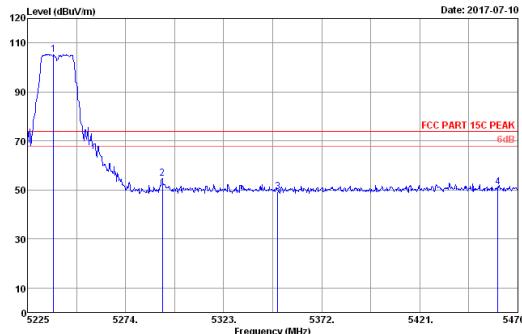
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



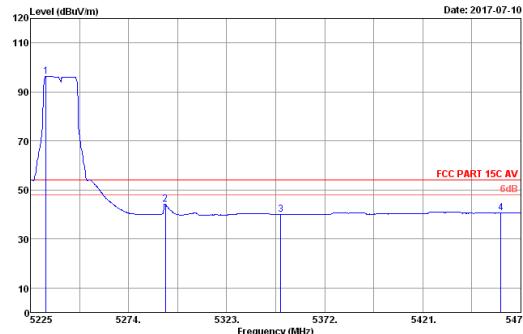
Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss	Reading (dBuV)	AMP factor	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5033.92	32.15	12.53	29.14	35.70	38.12	54.00	15.88	Average
2	5150.00	32.34	12.69	29.18	35.64	35.57	54.00	15.43	Average
3	5185.15	32.39	12.76	70.66	35.62	80.19	54.00	-26.19	Average

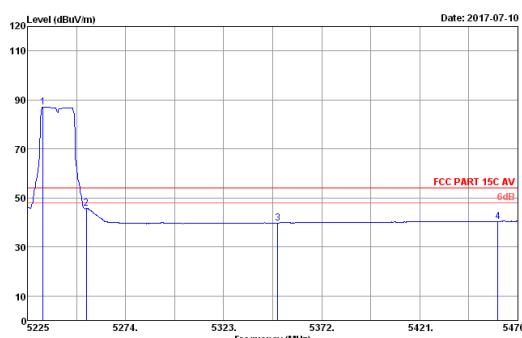
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



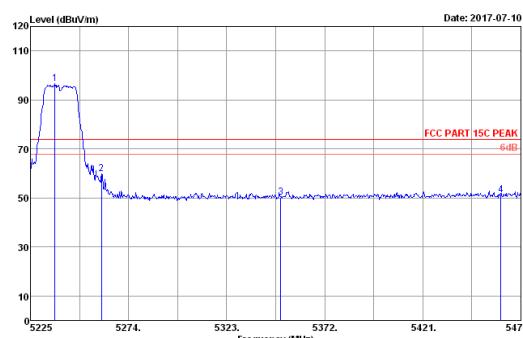
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official
limit are not reported.



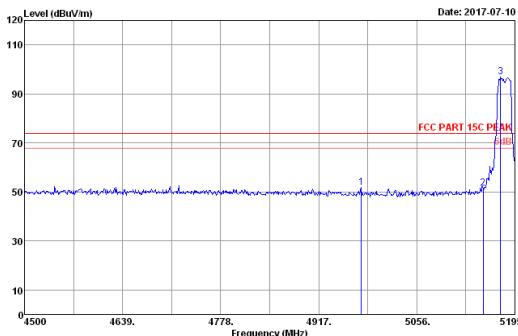
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official
limit are not reported.



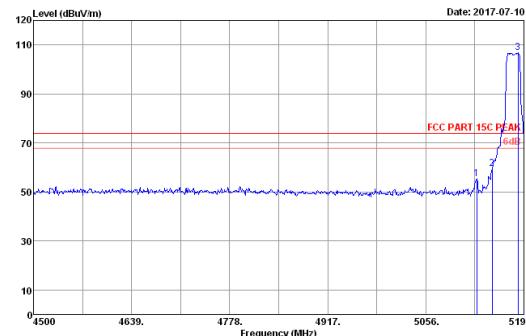
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4977.12	32.11	12.42	43.12	35.71	51.94	74.00	22.06	Peak
2	5150.00	32.34	12.69	42.20	35.64	51.59	74.00	22.41	Peak
3	5174.50	32.39	12.76	87.47	35.63	96.99	74.00	-22.99	Peak

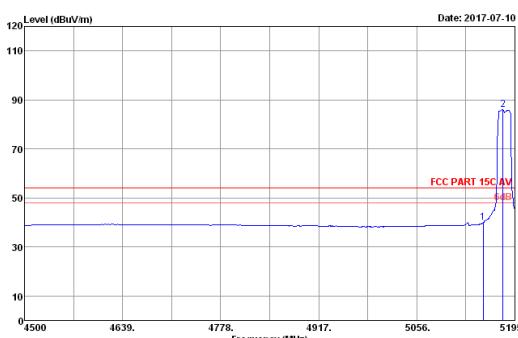
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5128.35	32.31	12.66	46.05	35.65	55.37	74.00	18.63	Peak
2	5150.00	32.34	12.69	50.15	35.64	59.54	74.00	14.46	Peak
3	5186.57	32.39	12.76	97.27	35.62	106.80	74.00	-32.80	Peak

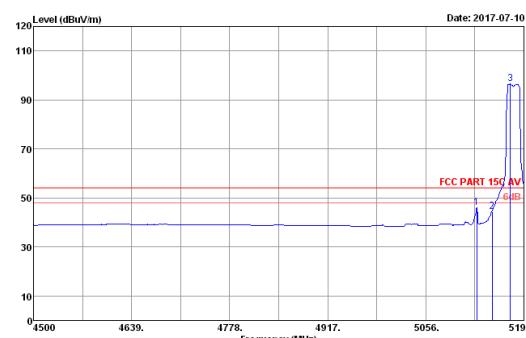
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	30.55	35.64	39.94	54.00	14.06	Average
2	5178.05	32.39	12.76	76.52	35.62	86.05	54.00	-32.05	Average

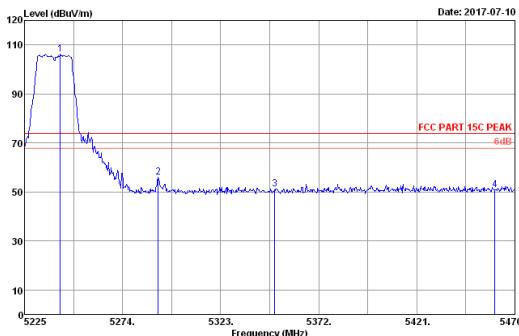
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5180MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5128.35	32.31	12.66	36.68	35.65	46.00	54.00	8.00	Average
2	5150.00	32.34	12.69	35.12	35.64	44.51	54.00	9.49	Average
3	5175.92	32.39	12.76	86.98	35.63	96.50	54.00	-42.50	Average

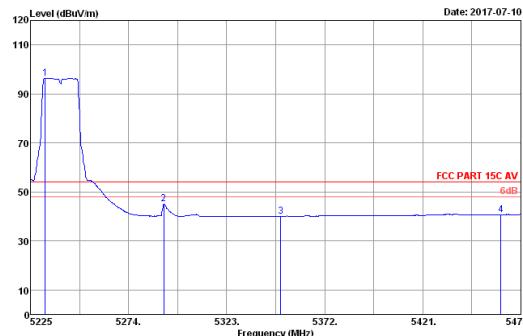
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5240MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5242.89	32.50	12.86	96.56	35.59	106.33	74.00	-32.33 Peak
2	5291.89	32.65	12.96	46.20	35.56	56.15	74.00	17.85 Peak
3	5350.00	32.66	13.02	40.90	35.53	51.05	74.00	22.95 Peak
4	5460.00	32.62	13.22	40.27	35.47	50.84	74.00	23.16 Peak

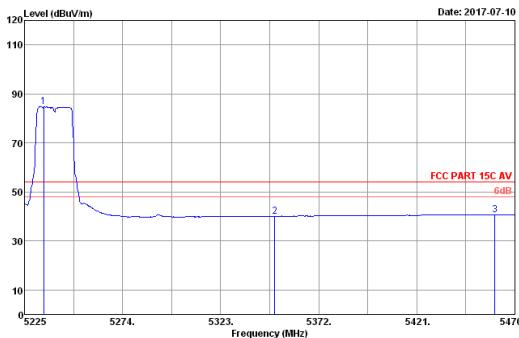
Remarks: 1. Emission Levels= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5240MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5232.35	32.47	12.86	86.65	35.59	96.39	54.00	-42.39 Average
2	5291.64	32.65	12.96	35.10	35.56	45.05	54.00	8.95 Average
3	5350.00	32.66	13.02	29.86	35.53	40.01	54.00	13.99 Average
4	5460.00	32.62	13.22	30.18	35.47	40.75	54.00	13.25 Average

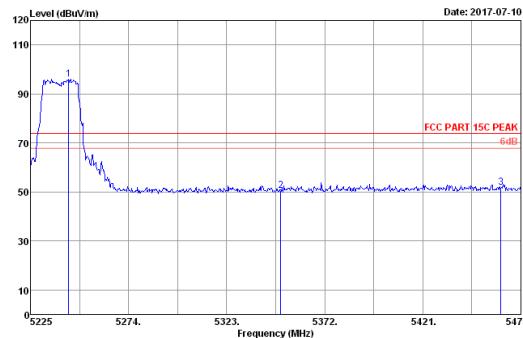
Remarks: 1. Emission Levels= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5240MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5234.56	32.47	12.86	75.19	35.59	84.93	54.00	-30.93 Average
2	5350.00	32.66	13.02	29.93	35.53	54.00	13.94	Average
3	5460.00	32.62	13.22	30.12	35.47	40.69	54.00	13.31 Average

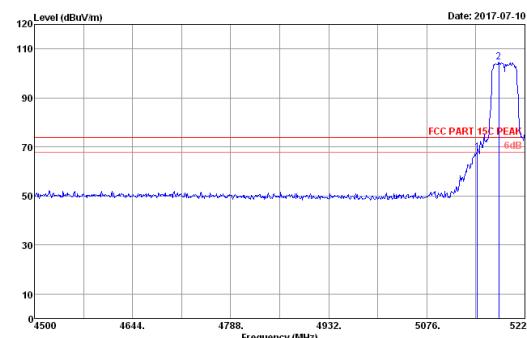
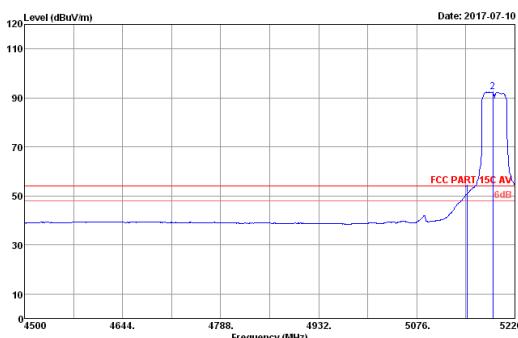
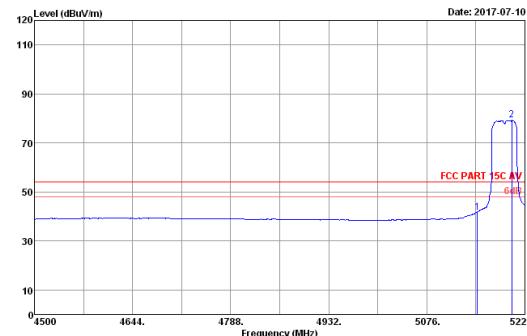
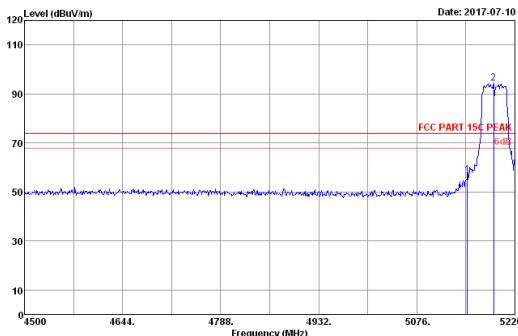
Remarks: 1. Emission Levels= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

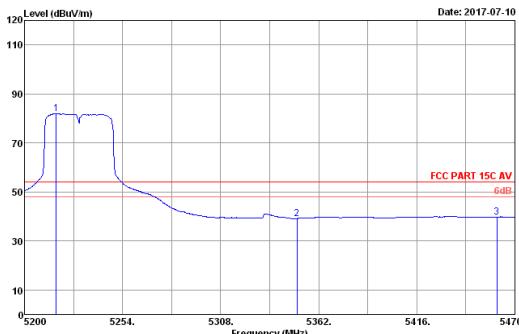


Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5240MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5244.11	32.50	12.86	86.24	35.59	96.01	74.00	-22.01 Peak
2	5350.00	32.66	13.02	29.93	35.53	50.42	74.00	23.58 Peak
3	5460.00	32.62	13.22	30.12	35.47	41.12	51.69	74.00 22.31 Peak

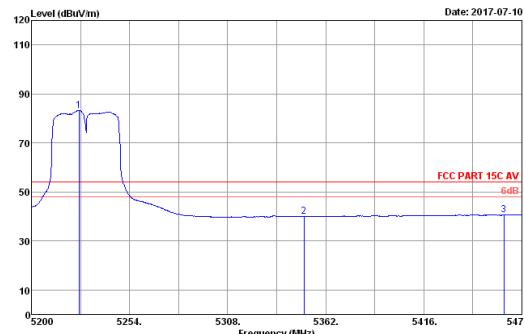
Remarks: 1. Emission Levels= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.





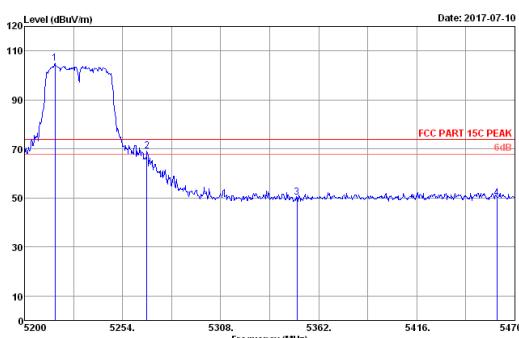
Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5230MHz Tx Mode

- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



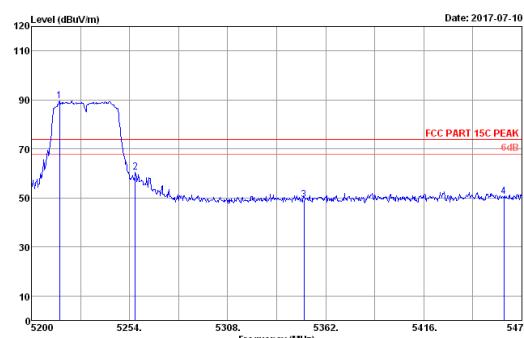
Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5230MHz Tx Mode

- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



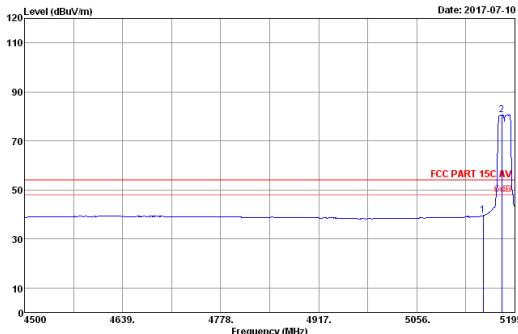
Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5230MHz Tx Mode

- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



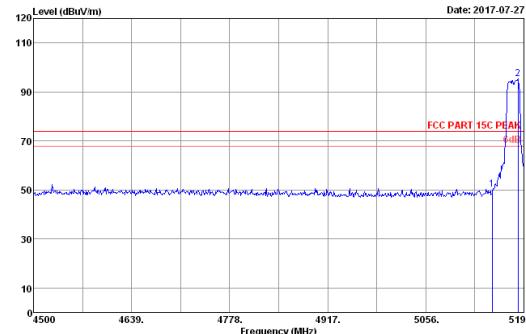
Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5230MHz Tx Mode

- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



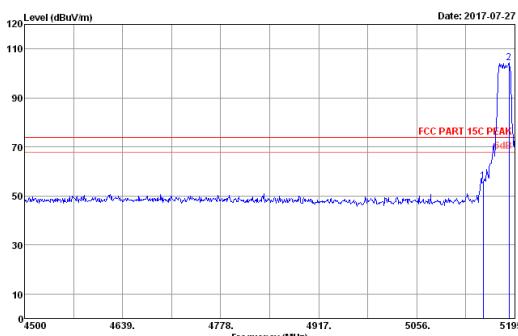
Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5180MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



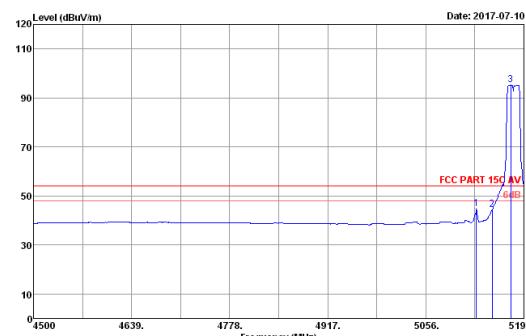
Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5180MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



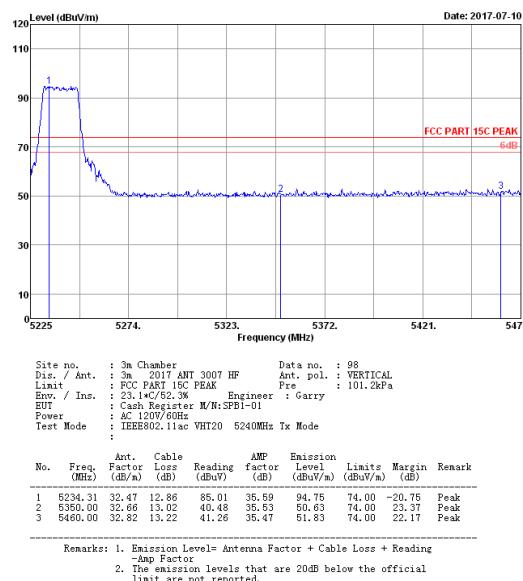
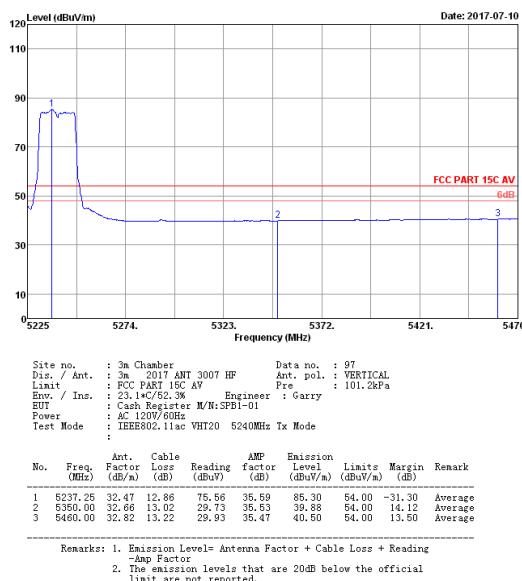
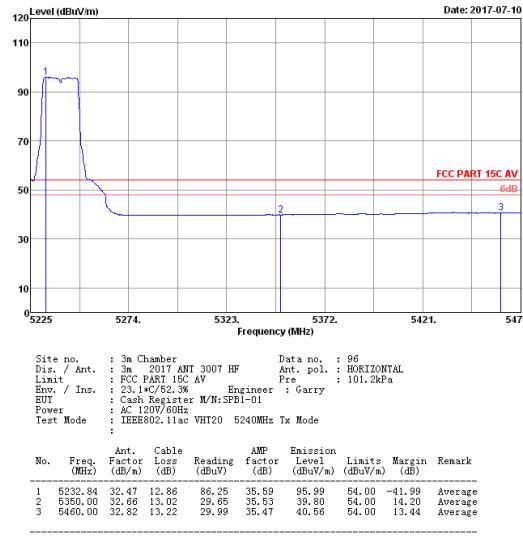
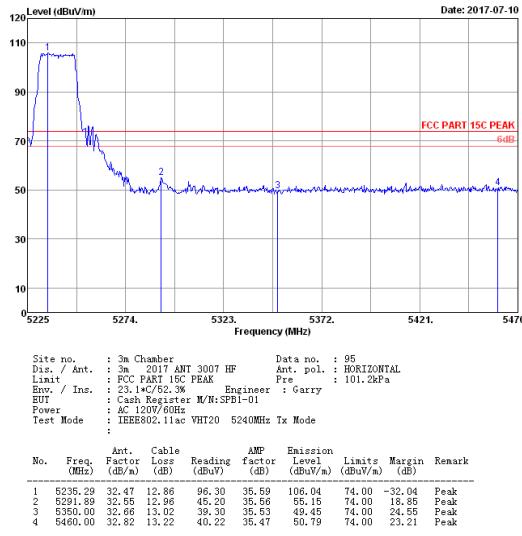
Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5180MHz Tx Mode

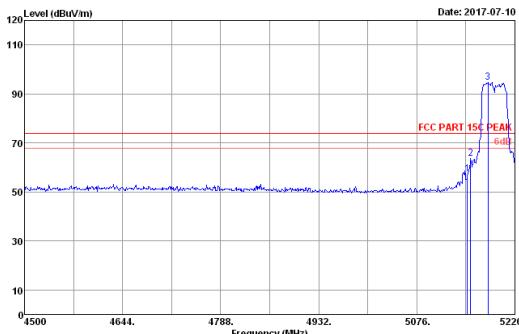
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5180MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

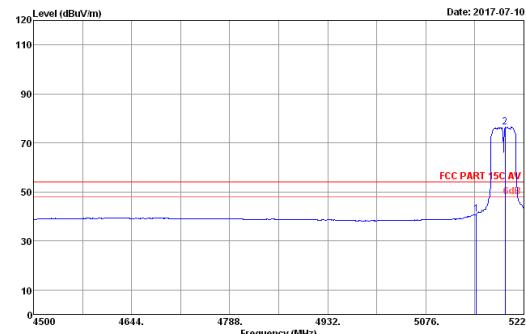




Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5190MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	47.75	35.64	57.14	74.00	16.86	Peak
2	5155.20	32.34	12.73	54.14	35.64	63.57	74.00	10.43	Peak
3	5160.40	32.39	12.76	85.12	35.62	94.65	74.00	-20.65	Peak

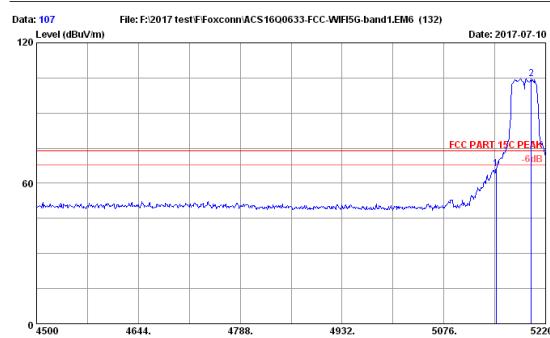
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5190MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	31.59	35.64	40.98	54.00	13.02	Average
2	5192.64	32.42	12.79	66.92	35.62	76.51	54.00	-22.51	Average

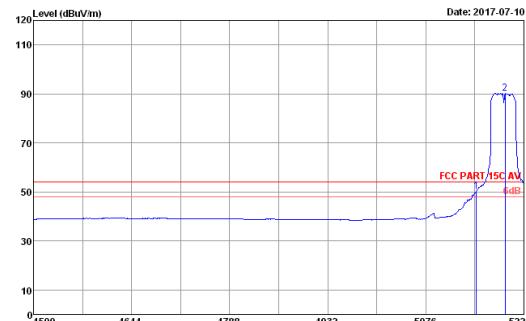
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5190MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	56.72	35.64	66.11	74.00	7.69	Peak
2	5199.84	32.42	12.79	95.06	35.61	104.66	74.00	-30.66	Peak

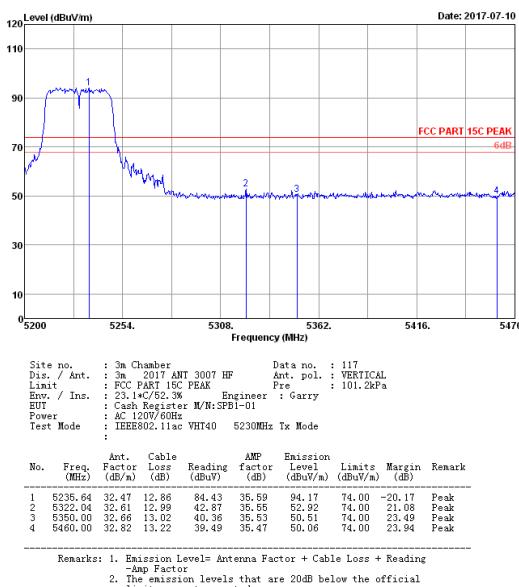
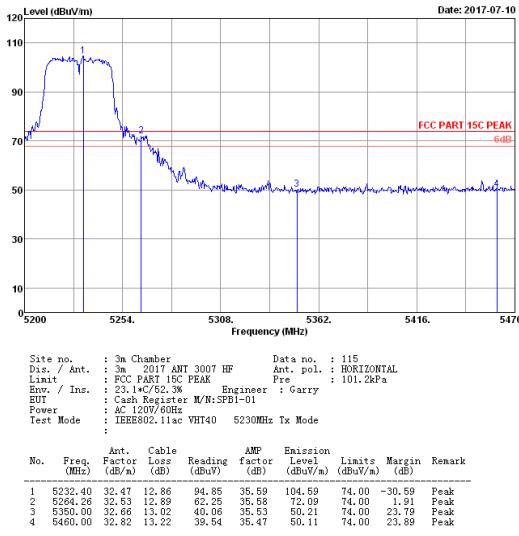
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.

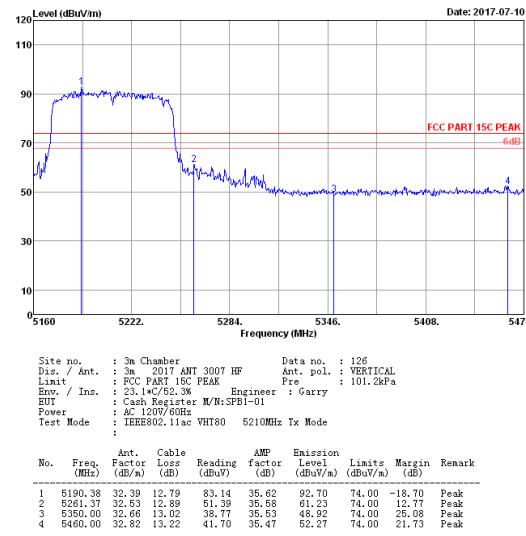
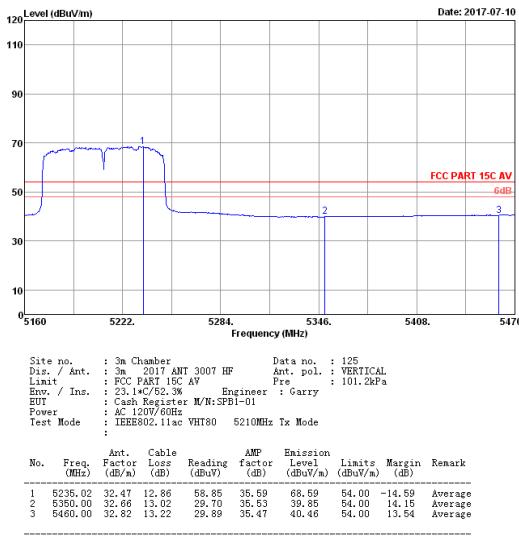


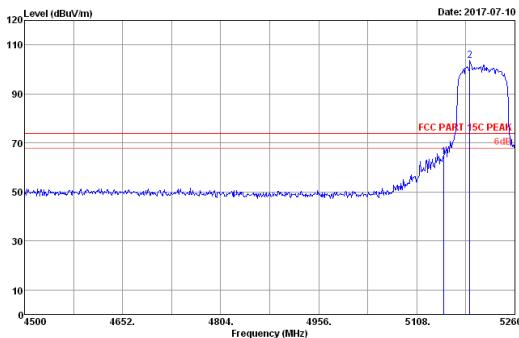
Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5190MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	40.70	35.64	50.09	54.00	3.91	Average
2	5192.64	32.42	12.79	80.66	35.62	90.25	54.00	-36.25	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.



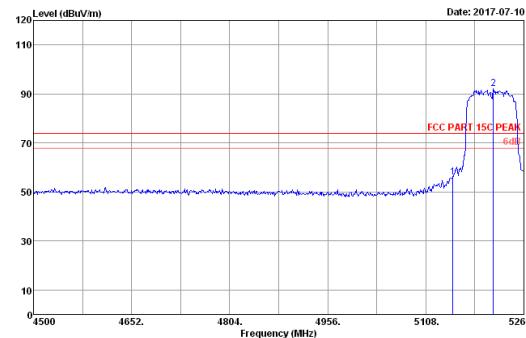




Site no. : 3m Chamber Data no. : 129
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5210MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBmV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	54.97	35.64	64.36	74.00	9.64	Peak
2	5190.08	32.39	12.79	94.04	35.62	103.60	74.00	-29.60	Peak

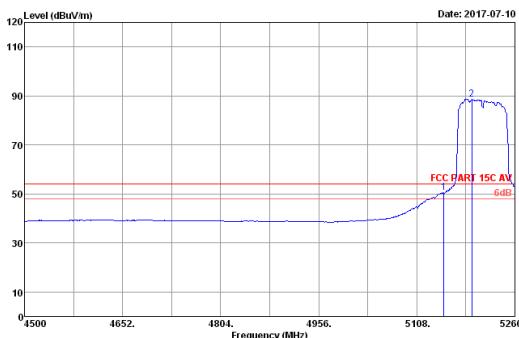
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 130
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5210MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBmV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	46.61	35.64	56.00	74.00	-18.00	Peak
2	5212.88	32.45	12.83	82.34	35.61	92.01	74.00	-18.01	Peak

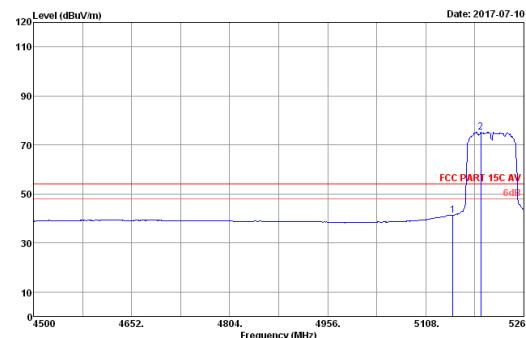
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5210MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBmV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	41.13	35.64	50.52	54.00	3.48	Average
2	5193.12	32.42	12.79	79.13	35.62	88.72	54.00	-34.72	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

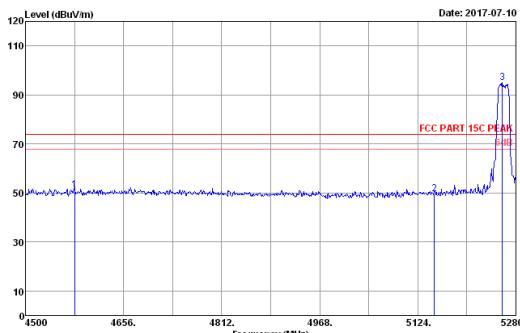


Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5210MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBmV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	31.79	35.64	41.18	54.00	12.82	Average
2	5193.12	32.42	12.79	65.65	35.62	75.24	54.00	-21.24	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

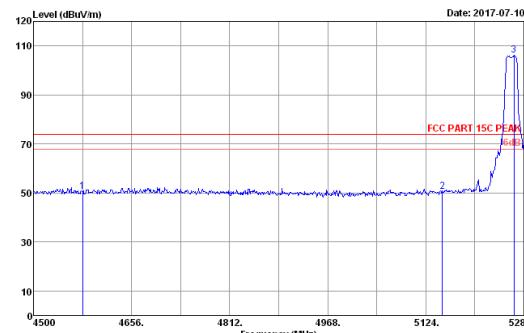
5260-5320MHz Band:



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4578.00	32.44	11.64	42.70	35.62	51.16	74.00	22.84	Peak
2	5150.00	32.34	12.69	40.21	35.64	49.60	74.00	24.40	Peak
3	5258.16	32.50	12.89	85.08	35.58	94.89	74.00	-20.89	Peak

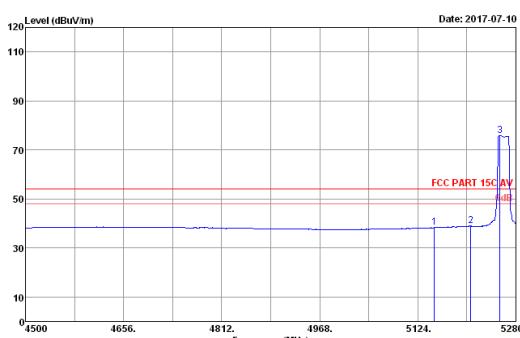
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4578.00	32.44	11.64	42.14	35.62	50.60	74.00	23.40	Peak
2	5150.00	32.34	12.69	41.05	35.64	50.44	74.00	23.56	Peak
3	5258.40	32.53	12.89	96.35	35.58	106.19	74.00	-32.19	Peak

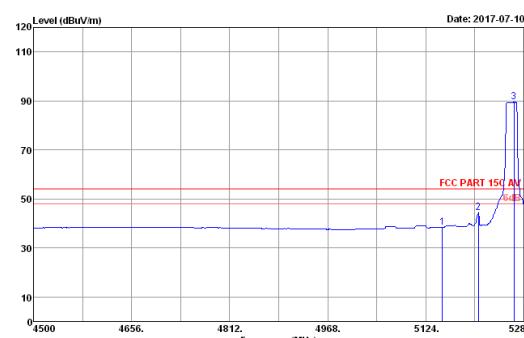
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.87	35.64	38.26	54.00	15.74	Average
2	5208.24	32.45	12.79	29.41	35.61	39.04	54.00	14.98	Average
3	5254.26	32.50	12.89	65.11	35.58	75.92	54.00	-21.92	Average

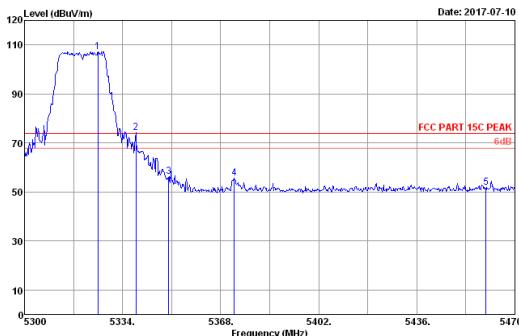
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	29.05	35.64	38.44	54.00	15.56	Average
2	5207.46	32.42	12.79	34.73	35.61	44.33	54.00	9.67	Average
3	5254.40	32.53	12.89	79.64	35.58	89.48	54.00	-35.48	Average

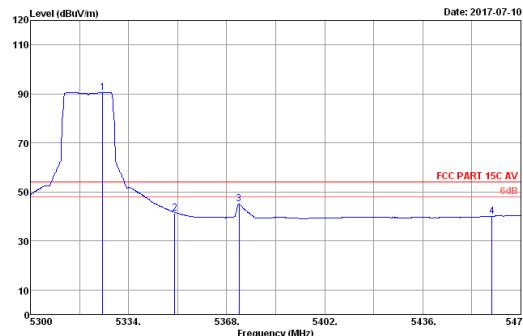
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5320MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5325.50	32.61	12.99	97.16	35.54	107.22	74.00	-33.22	Peak
2	5338.59	32.63	13.02	64.13	35.54	74.24	74.00	-0.24	Peak
3	5350.00	32.66	13.02	48.08	35.53	56.23	74.00	17.77	Peak
4	5372.00	32.68	13.22	45.40	35.53	55.57	74.00	18.43	Peak
5	5400.00	32.82	13.22	41.11	35.47	51.68	74.00	22.32	Peak

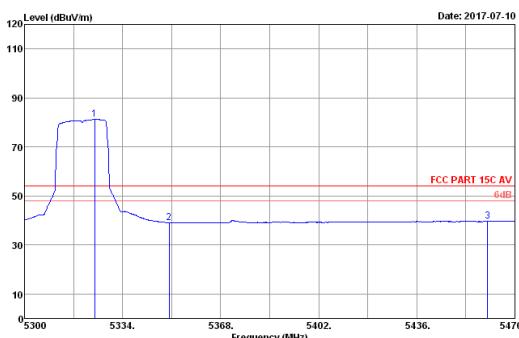
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5320MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5324.99	32.61	12.99	80.58	35.54	90.64	54.00	-36.64	Average
2	5350.00	32.66	13.02	31.15	35.53	41.30	54.00	12.70	Average
3	5372.00	32.69	13.09	34.75	35.52	45.01	54.00	8.99	Average
4	5400.00	32.82	13.22	29.59	35.47	40.16	54.00	13.84	Average

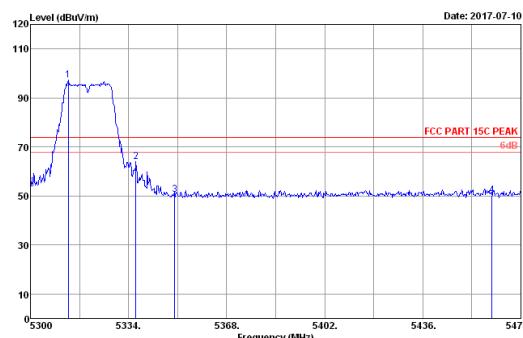
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5320MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5324.31	32.61	12.99	71.24	35.54	81.30	54.00	-27.30	Average
2	5350.15	32.66	13.08	28.93	35.53	39.12	54.00	14.88	Average
3	5400.48	32.82	13.22	29.00	35.47	39.67	54.00	14.43	Average

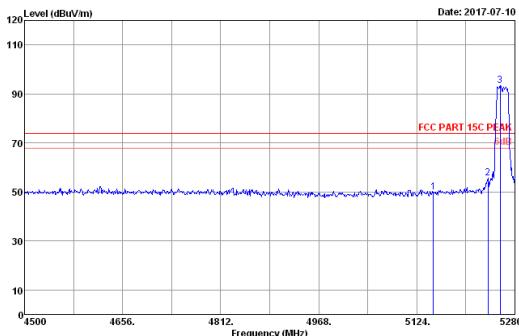
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5320MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV/m)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5313.09	32.61	12.99	87.23	35.55	97.28	74.00	-23.28	Peak
2	5350.59	32.66	13.02	40.61	35.53	55.35	64.00	24.35	Peak
3	5350.59	32.66	13.02	40.40	35.53	50.55	74.00	23.45	Peak
4	5400.00	32.82	13.22	39.78	35.47	50.35	74.00	23.65	Peak

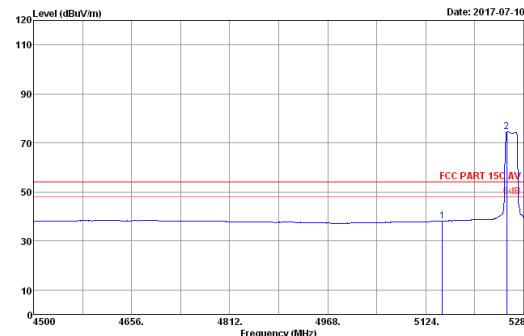
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	40.48	35.64	49.87	74.00	24.13	Peak
2	5237.10	32.47	12.86	45.84	35.59	55.58	74.00	18.42	
3	5266.60	32.50	12.89	83.48	35.58	93.29	74.00	-19.29	Peak

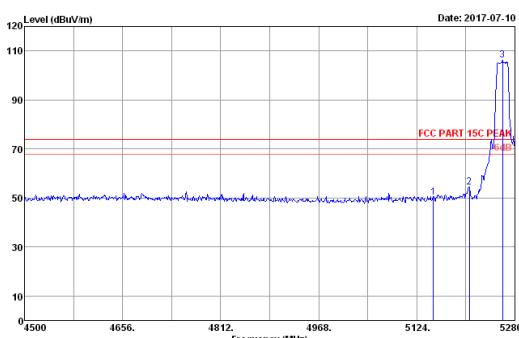
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.71	35.64	38.10	54.00	15.90	Average
2	5252.70	32.60	12.89	64.68	35.58	74.49	54.00	-20.49	Average

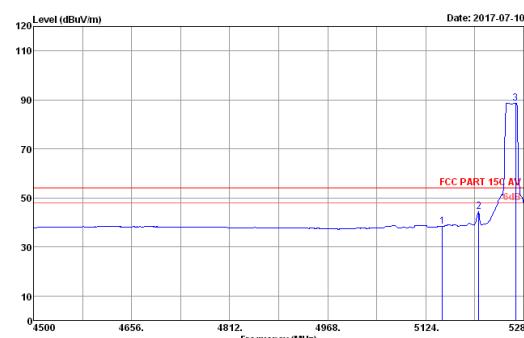
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	40.97	35.64	50.36	74.00	23.64	Peak
2	5207.46	32.42	12.79	44.93	35.61	54.52	74.00	19.48	
3	5260.50	32.53	12.81	96.94	35.58	106.38	74.00	-32.38	Peak

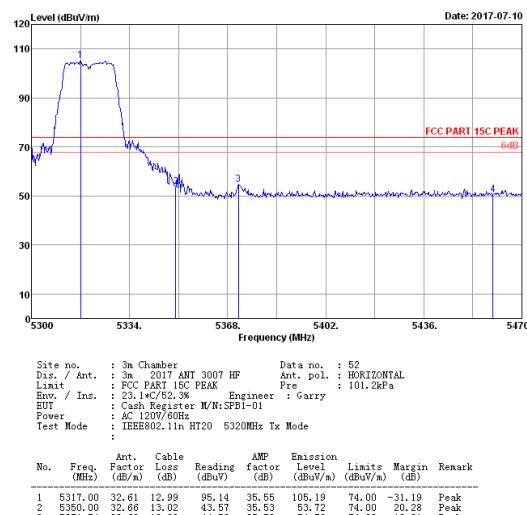
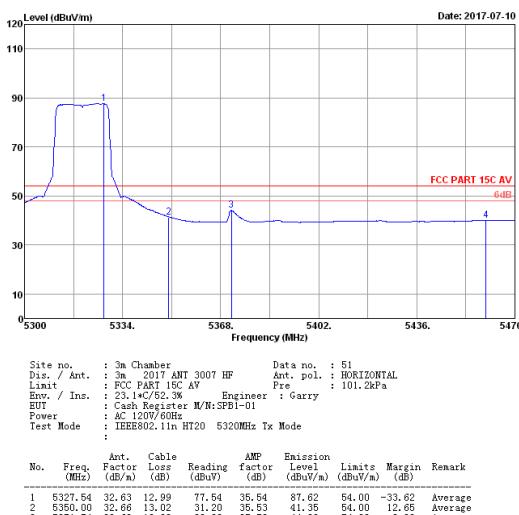
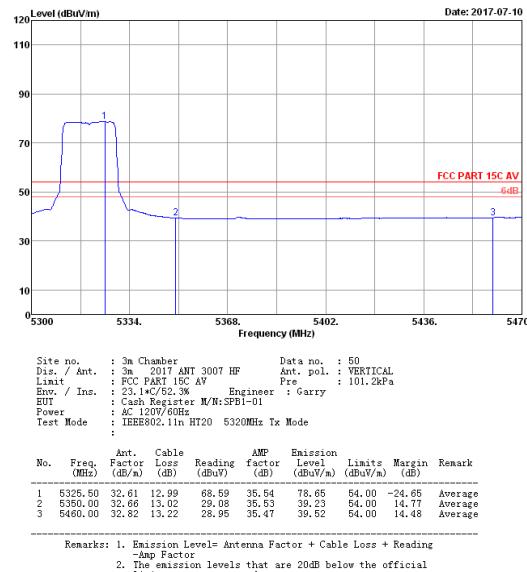
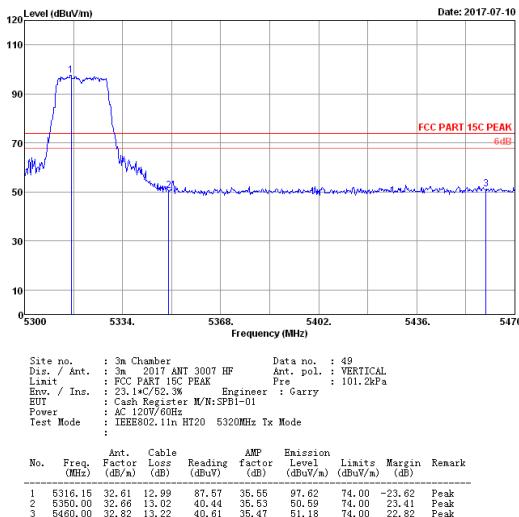
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

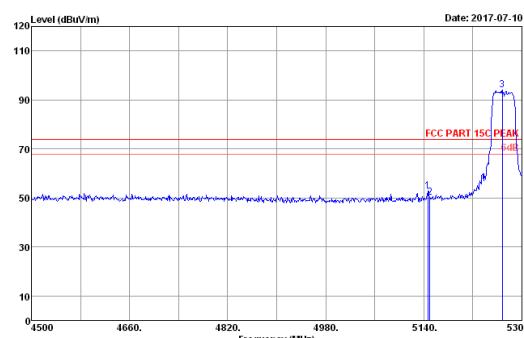
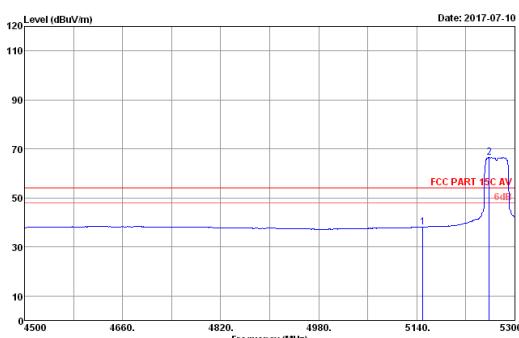
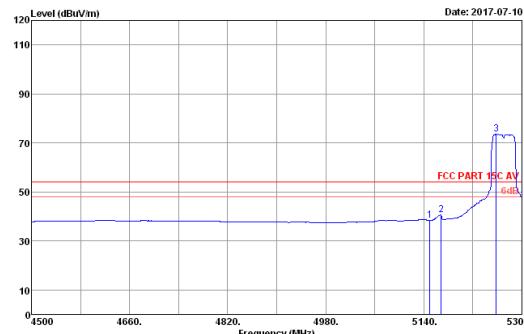
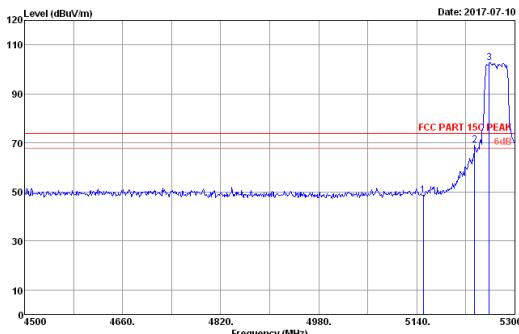


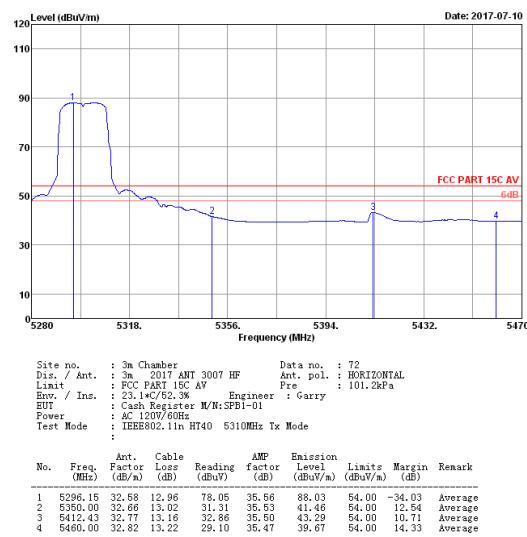
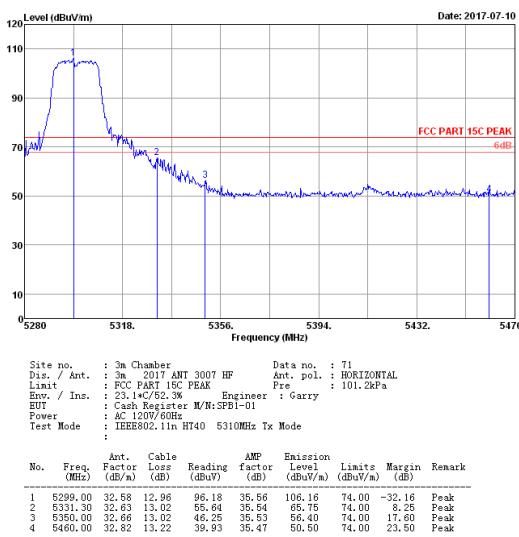
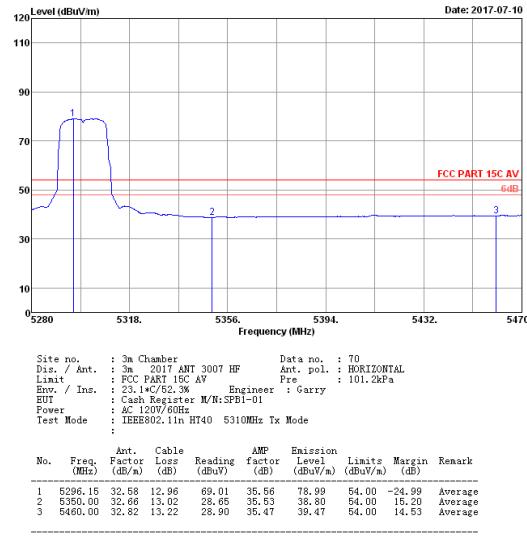
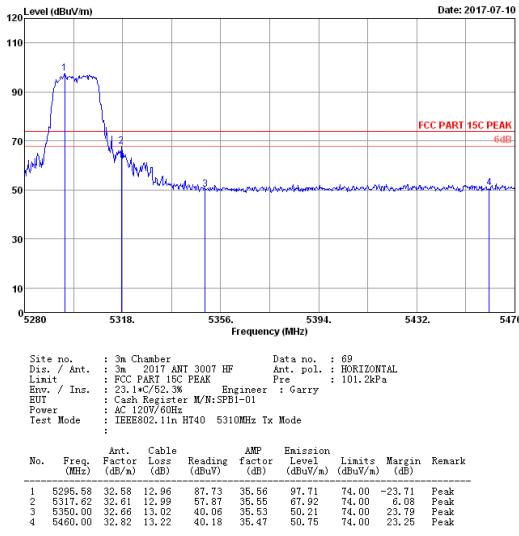
Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5260MHz Tx Mode

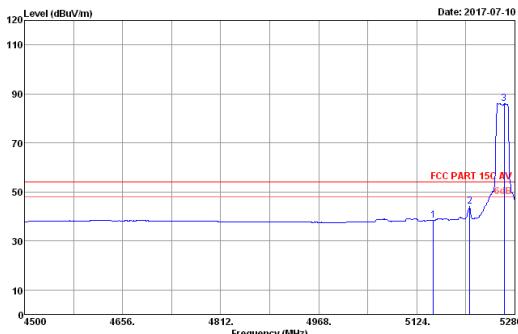
No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.90	35.64	38.29	54.00	15.71	Average
2	5208.24	32.48	12.79	34.93	35.61	44.56	54.00	8.44	
3	5266.74	32.53	12.83	78.65	35.58	85.69	54.00	-34.69	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.





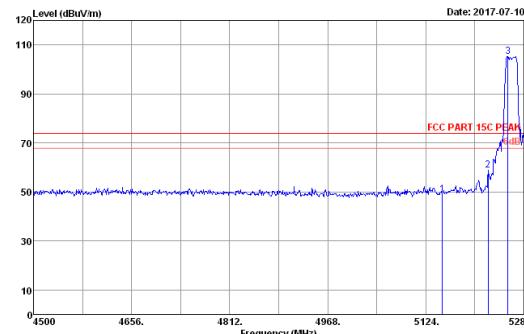




Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBmV)	AMP (dB)	Emission Level (dBmV/m)	Limits (dBmV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.94	35.64	38.33	54.00	15.67	Average
2	5208.24	32.45	12.79	34.42	35.61	44.05	54.00	9.95	Average
3	5262.84	32.63	12.89	76.27	35.58	86.11	54.00	-32.11	Average

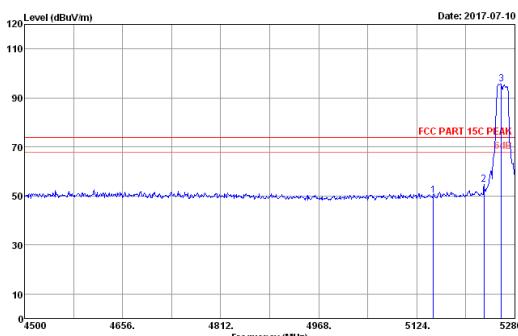
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBmV)	AMP (dB)	Emission Level (dBmV/m)	Limits (dBmV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	38.50	35.64	48.89	74.00	25.11	Peak
2	5223.06	32.45	12.83	49.27	35.60	68.95	74.00	15.05	Peak
3	5254.26	32.50	12.89	95.68	35.58	105.39	74.00	-31.39	Peak

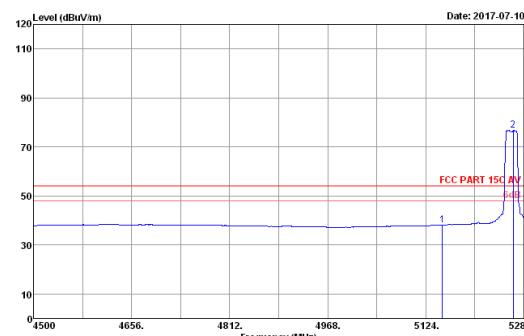
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBmV)	AMP (dB)	Emission Level (dBmV/m)	Limits (dBmV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	40.72	35.64	50.11	74.00	23.89	Peak
2	5230.86	32.47	12.88	44.99	35.60	64.72	74.00	-19.28	Average
3	5258.16	32.50	12.88	86.02	35.58	95.83	74.00	-21.83	Peak

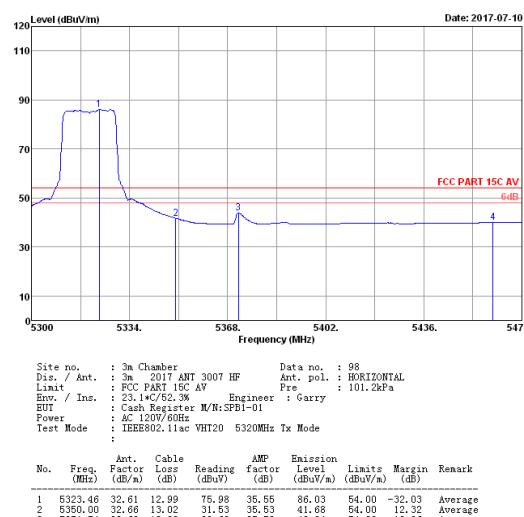
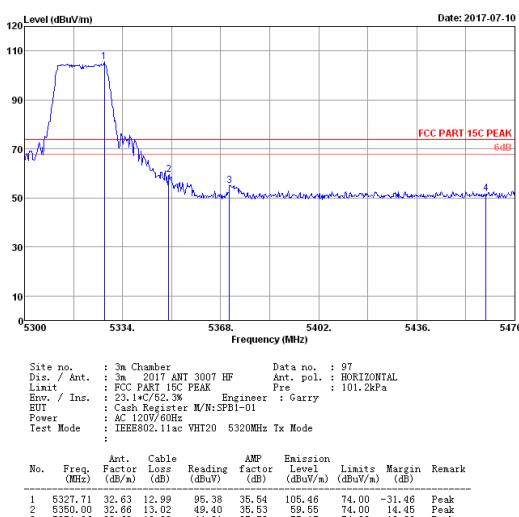
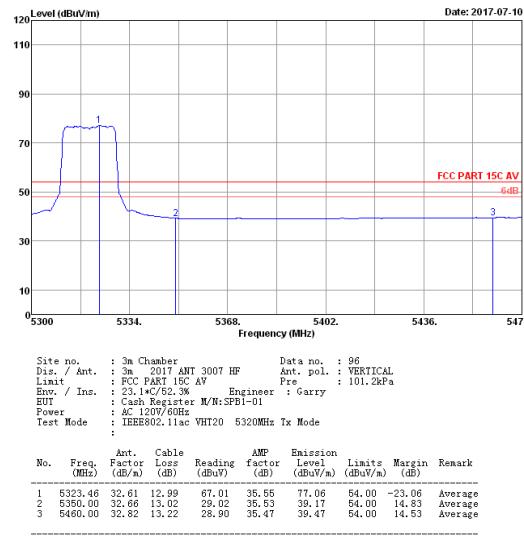
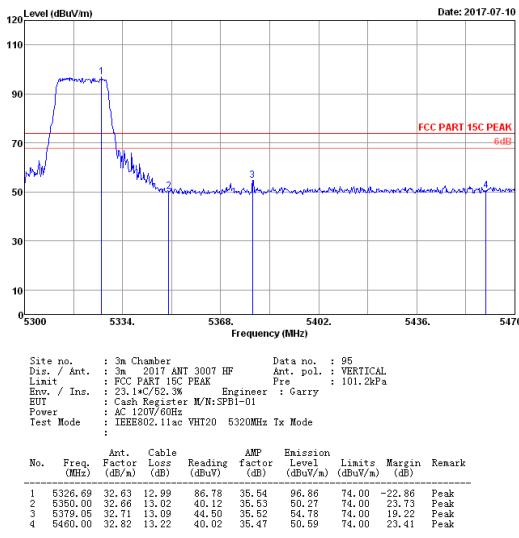
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

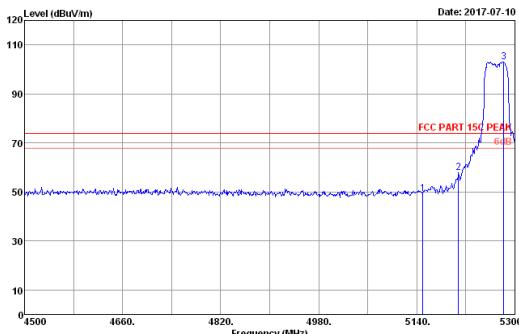


Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5260MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading (dBmV)	AMP (dB)	Emission Level (dBmV/m)	Limits (dBmV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.73	35.64	38.12	64.00	15.88	Average
2	5262.84	32.53	12.89	66.88	35.58	76.72	64.00	-22.72	Average

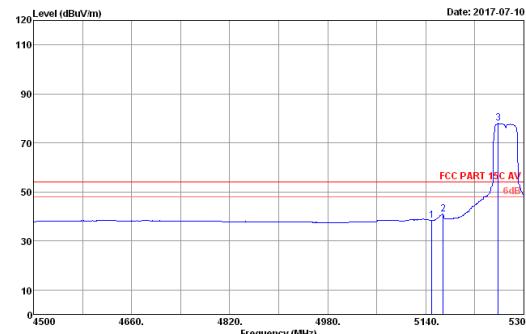
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.





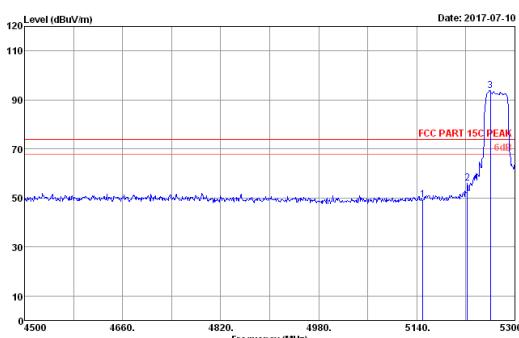
Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5270MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



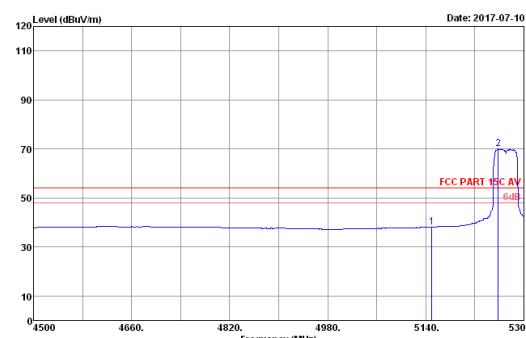
Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5270MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



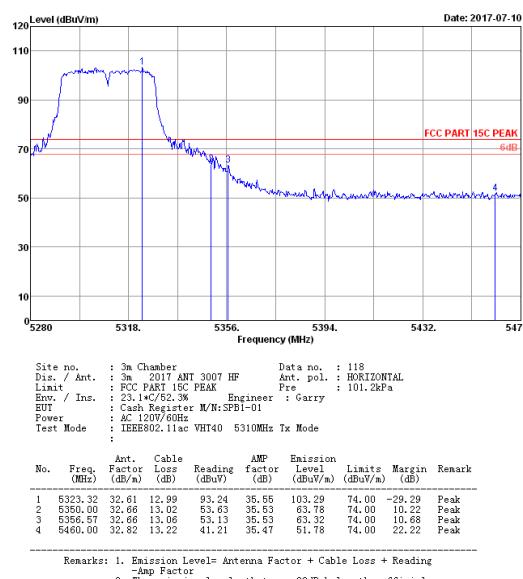
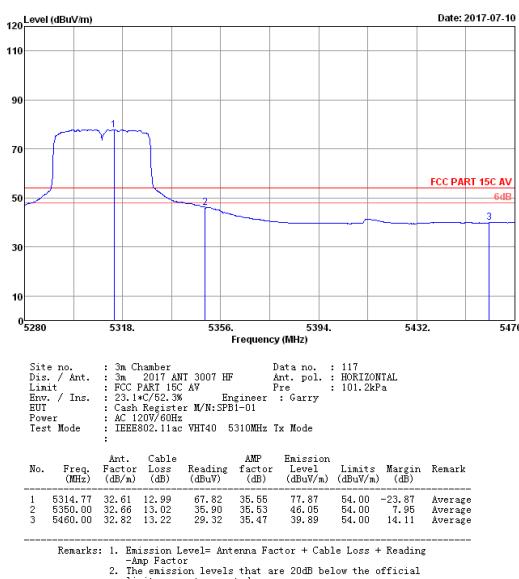
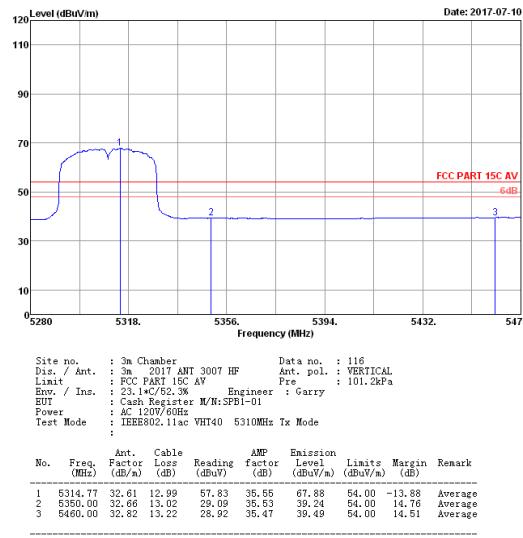
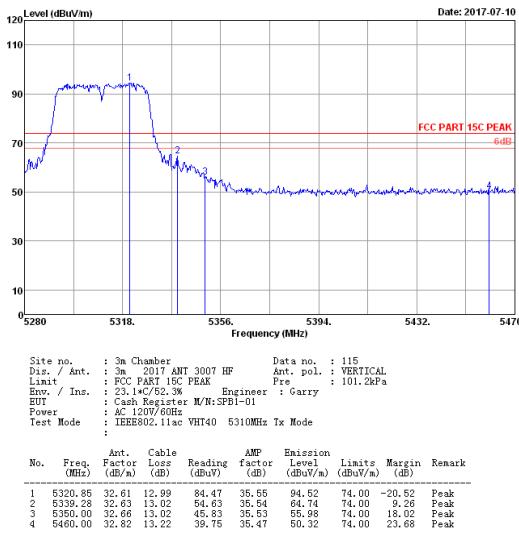
Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5270MHz Tx Mode

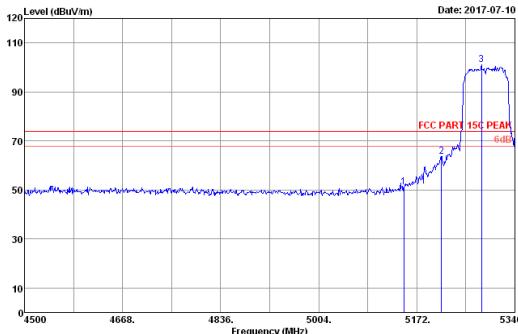
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT40 5270MHz Tx Mode

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

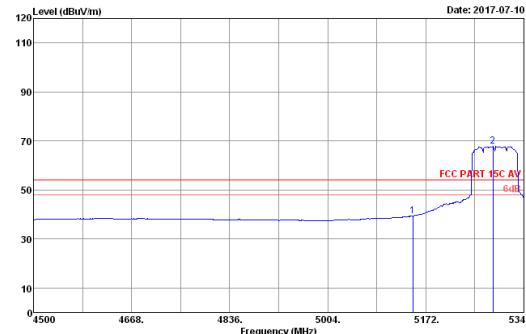




Site no. : 3m Chamber Data no. : 125
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5290MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading factor (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	41.78	35.64	51.17	74.00	22.83 Peak
2	5214.00	32.45	12.83	53.98	35.60	63.66	74.00	10.34 Peak
3	5282.88	32.65	12.92	91.36	35.57	101.26	74.00	-27.26 Peak

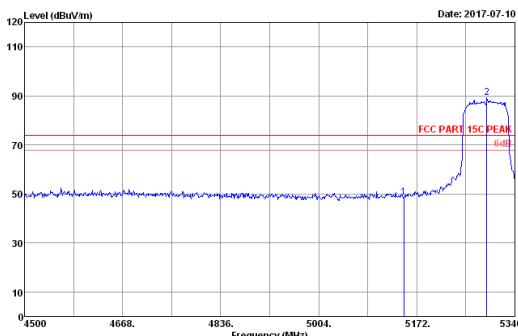
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5290MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading factor (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	30.07	35.64	39.46	54.00	14.54 Average
2	5287.08	32.55	12.92	57.85	35.56	67.76	54.00	-13.76 Average

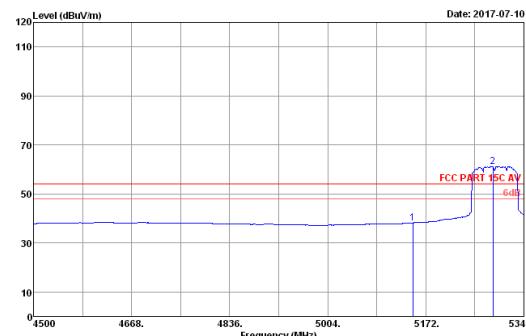
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 127
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5290MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading factor (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	39.28	35.64	48.67	74.00	25.33 Peak
2	5292.12	32.65	12.96	79.27	35.56	89.22	74.00	-15.22 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



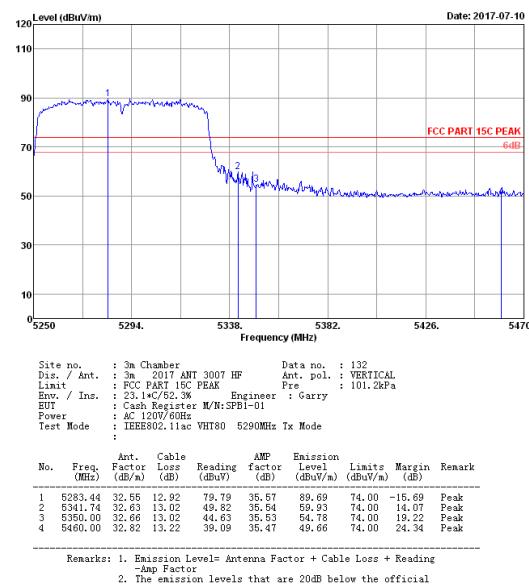
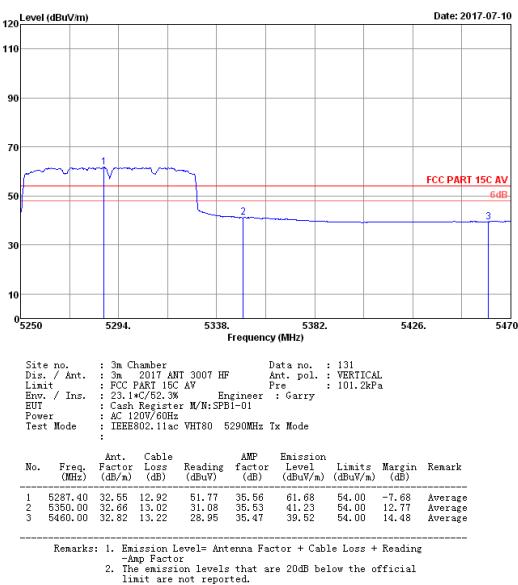
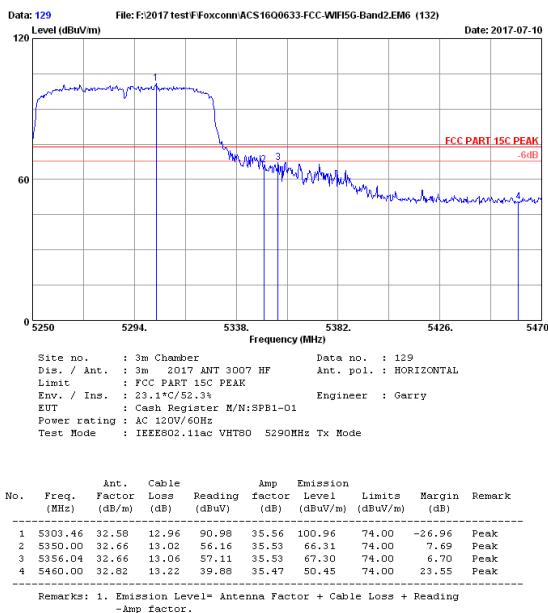
Site no. : 3m Chamber Data no. : 128
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5290MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading factor (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.34	12.69	28.79	35.64	38.18	54.00	15.82 Average
2	5287.08	32.55	12.92	51.36	35.56	61.27	54.00	-17.27 Average

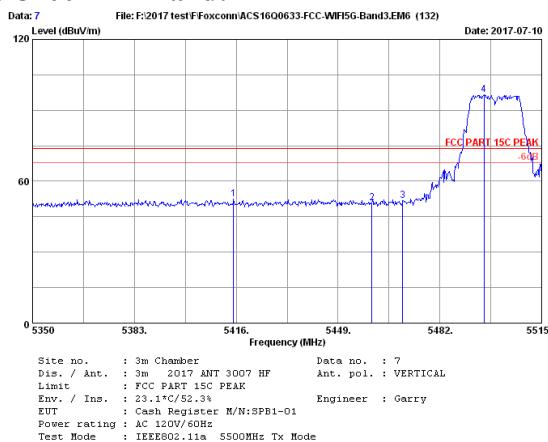
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AF3K-SPB1

Page 5-25

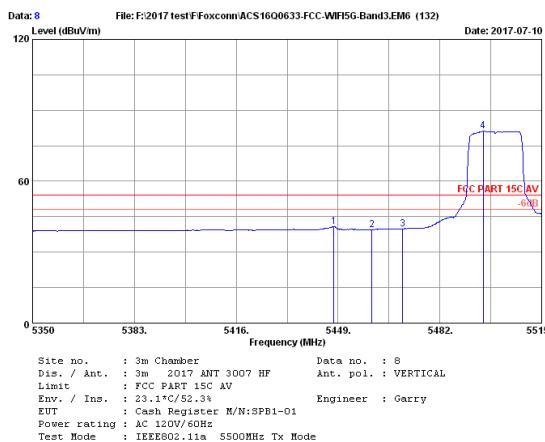


5500-5700MHz Band:



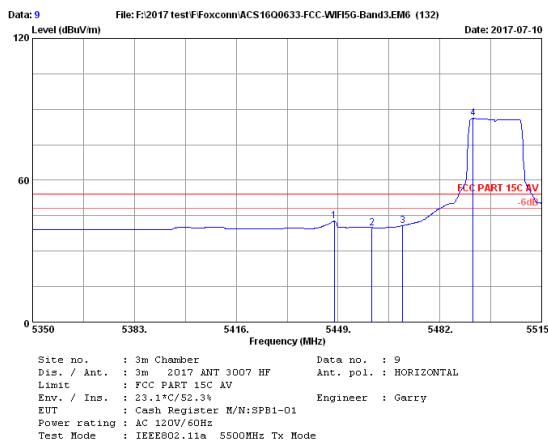
No.	Freq. (MHz)	Ant. factor (dB/m)	Cable Loss (dB)	Reading (dBmV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5415.18	32.77	13.16	41.92	35.50	52.35	74.00	21.65	Peak
2	5460.00	32.82	13.22	40.38	35.47	50.95	74.00	23.05	Peak
3	5470.00	32.85	13.22	41.20	35.47	51.80	74.00	22.20	Peak
4	5496.36	32.87	13.24	85.74	35.45	96.45	74.00	-22.45	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.



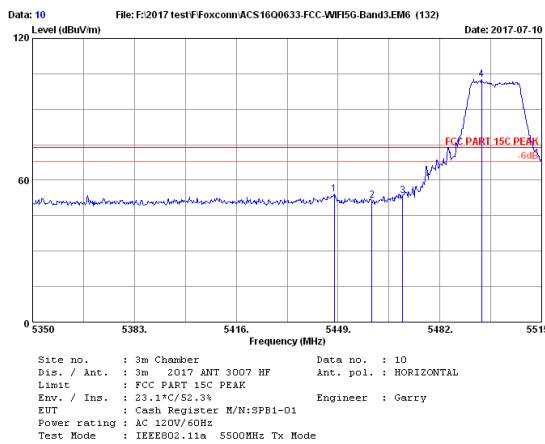
No.	Freq. (MHz)	Ant. factor (dB/m)	Cable Loss (dB)	Reading (dBmV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5447.68	32.82	13.19	30.24	35.48	40.77	54.00	13.23	Average
2	5460.00	32.82	13.22	29.03	35.47	39.60	54.00	14.40	Average
3	5470.00	32.85	13.22	29.23	35.47	39.83	54.00	14.17	Average
4	5496.03	32.87	13.29	70.41	35.45	81.12	54.00	-27.12	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.



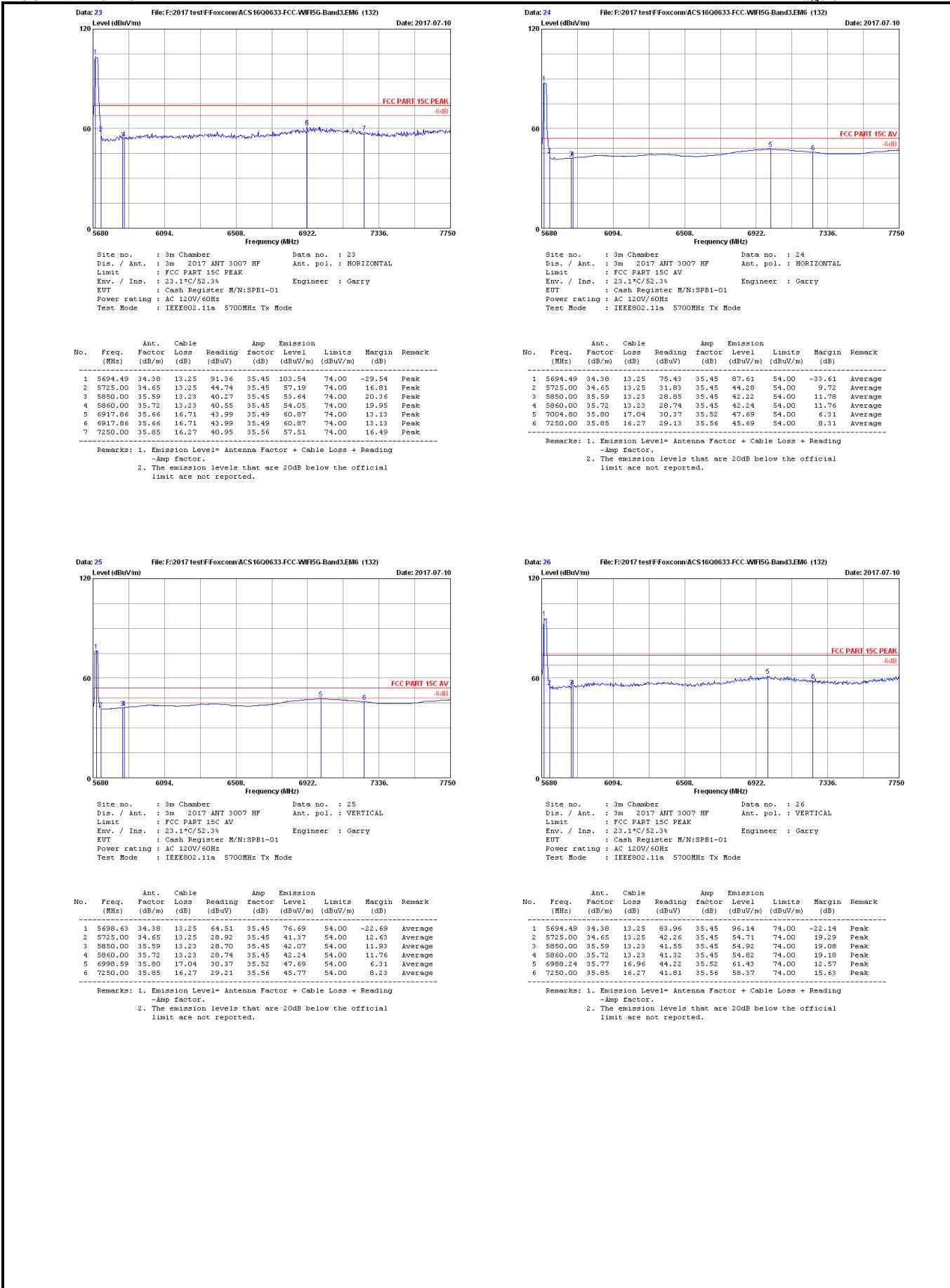
No.	Freq. (MHz)	Ant. factor (dB/m)	Cable Loss (dB)	Reading (dBmV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5447.85	32.82	13.19	32.16	35.48	45.69	54.00	11.31	Average
2	5460.00	32.82	13.22	39.37	35.47	39.24	54.00	14.06	Average
3	5470.00	32.85	13.22	30.16	35.47	40.76	54.00	13.24	Average
4	5492.73	32.87	13.29	75.42	35.45	86.13	54.00	-32.13	Average

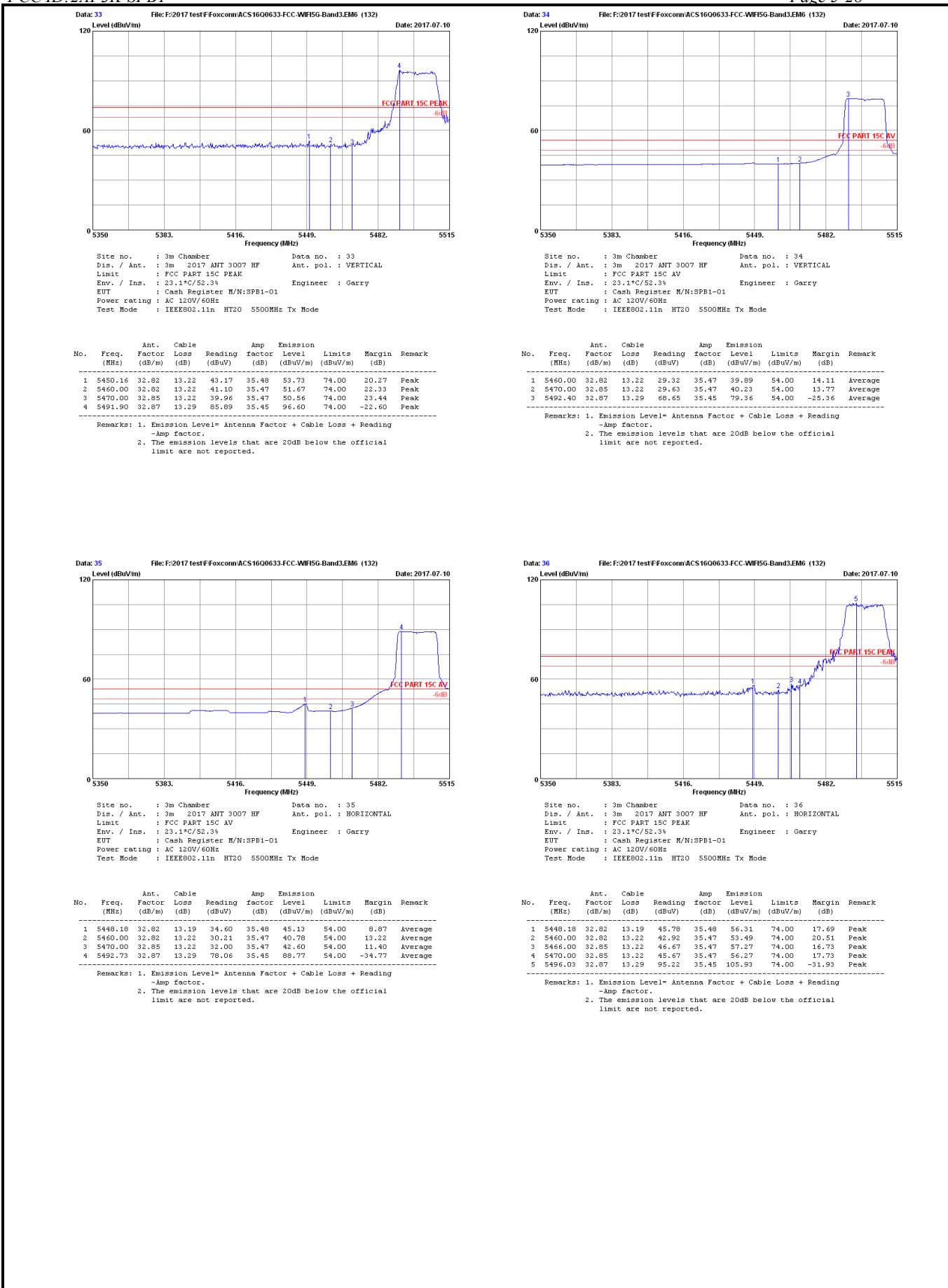
Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. factor (dB/m)	Cable Loss (dB)	Reading (dBmV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5447.85	32.82	13.19	49.58	35.48	54.11	74.00	19.89	Peak
2	5460.00	32.82	13.22	40.76	35.47	54.33	74.00	23.67	Peak
3	5470.00	32.85	13.22	42.88	35.47	53.48	74.00	20.52	Peak
4	5495.53	32.87	13.29	91.90	35.45	102.61	74.00	-28.61	Peak

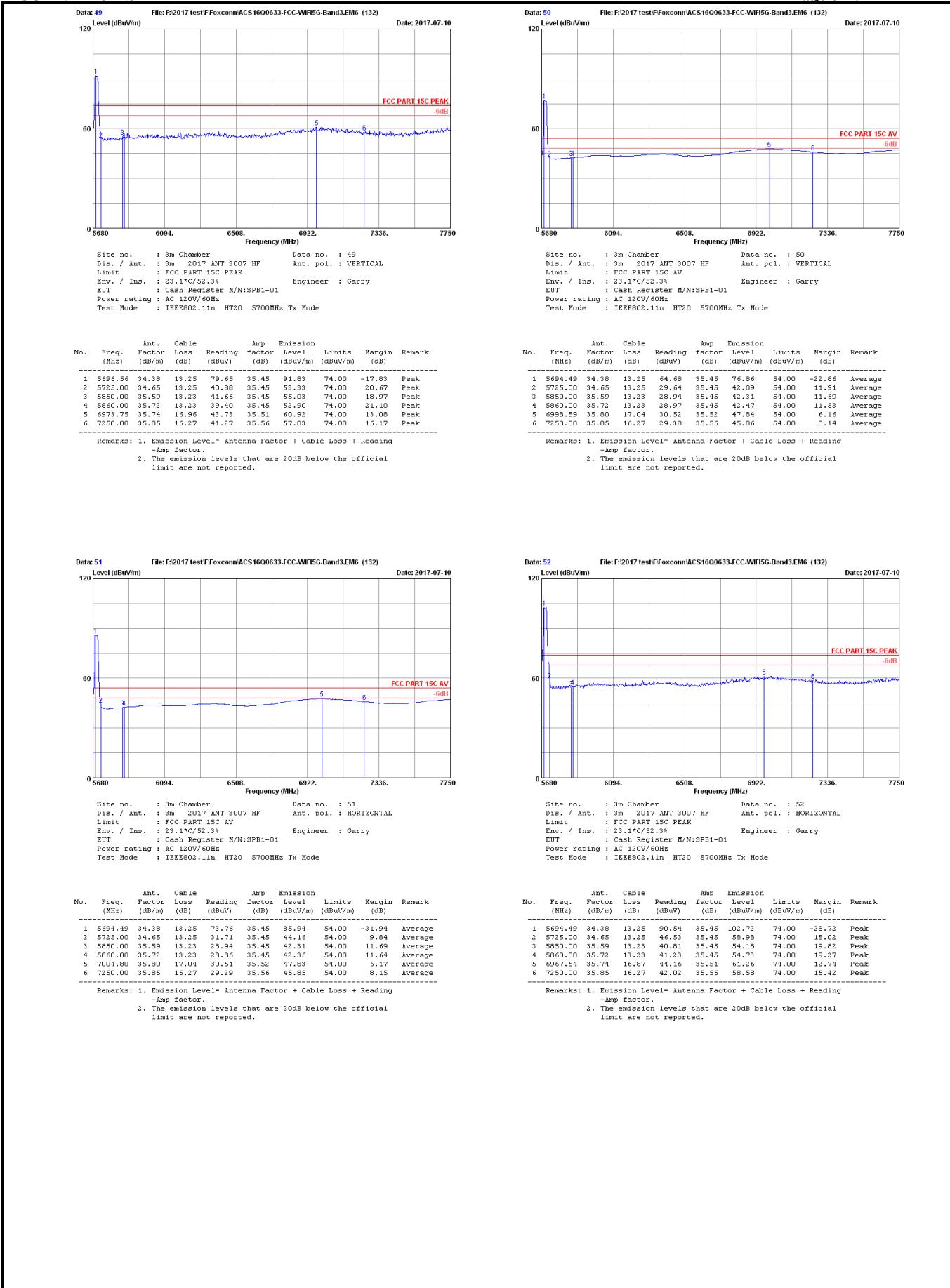
Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.





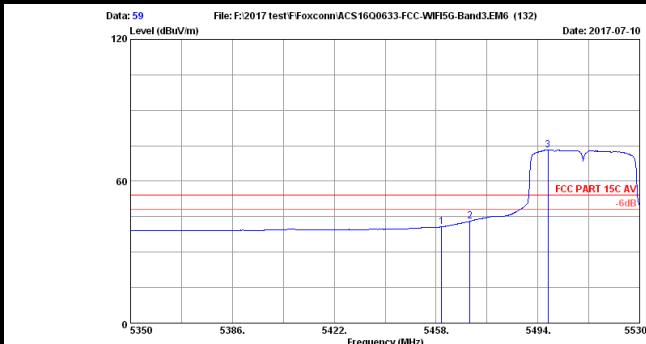
FCC ID: 2AF3K-SPB1

Page 5-29





FCC ID:2AF3K-SPB1



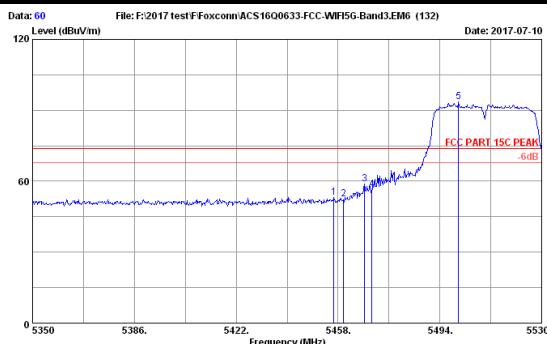
```

Site no. : 3m Chamber Data no. : 59
Dis. / Ant. : 2017 ANT 3007 HF Ant. pol. : VERTICA
Limit : FCC PART 15C AV
Env. / Ins. : 23.1°C/52.3% Engineer : Garry
EUT : Cash Register N/M:SPB1-01
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5510MHz Tx Mode

```

No.	Ant.			Cable		Amp		Emission		Margin	Remark
	Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBmV)	factor (dB)	Level (dBmW/m)	Limits (dBmW/m)	Margin (dBmW/m)	Margin (dBmW/m)		
1	5460.00	32.82	13.22	30.29	35.47	40.86	54.00	13.14	54.00	Average	
2	5470.00	32.85	13.22	32.41	35.47	43.01	54.00	10.99	54.00	Average	
3	5497.00	32.90	13.29	62.53	35.45	73.27	54.00	-19.27	54.00	Average	

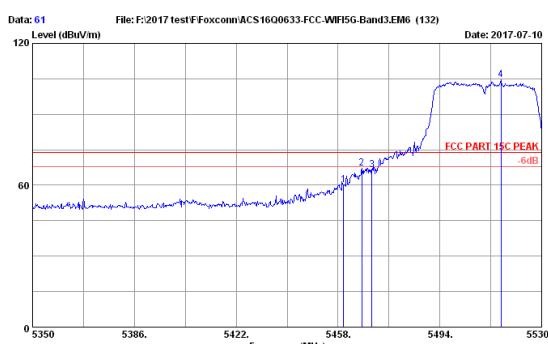
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official



Frequency (MHz) :
Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 31.1°C/52.3% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5510MHz Tx Mode

No.	Freq. (MHz)	Ant. (dBi/m)	Cable Loss (dB)	Reading (dBmV/m)	Amp		Emission		Margin (dB)	Remark
					factor	Level (dBmW/m)	Limits (dBmW/m)	Margin (dB)		
1	5456.56	32.82	13.22	42.45	35.47	53.02	74.00	20.98	Peak	
2	5460.00	32.82	13.22	42.00	35.47	52.57	74.00	21.43	Peak	
3	5467.36	32.82	13.22	48.20	35.47	58.80	74.00	15.20	Peak	

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official



Site no.	: 3m Chamber	Data no.	: 61
Dis. / Ant.	: 3m 2017 ANT 3007 HF	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 33.1°C/+52.3%	Engineer	: Garry
EUT	: Cash Register M/N:SPB1-01		
Power rating	: AC 120V/60Hz		
Test Mode	: IJFFE002_1in_WTAQ_E510MHz_Tx_Mode		

No.	Freq. (MHz)	Ant. (dBi/m)	Cable (dB)	Reading (dBmV)	Amp factor	Level (dBuV/m)	Emission Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	49.57	35.47	60.14	74.00	13.86	Peak
2	5466.46	32.85	13.22	56.53	35.47	67.13	74.00	6.67	Peak
3	5470.00	32.85	13.22	55.96	35.47	66.56	74.00	7.44	Peak

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official
limit are not reported.



Site no.	: 3m Chamber	Data no.	: 62
Dis. / Ant.	: 3m 2017 ANT 3007 HF	Ant. pol.	: HORIZONTAL
Limit	FCC PART 15C AW		
Env. / Ins.	23.1°C/+52.3%	Engineer	: Garry
EUT	Cash Register M/N:SPB1-01		
Power rating	AC 120V/60Hz		
Test Mode	IEF8002_1in_WTAQ_E510MHz_Tx_Mode		

No.	Freq. (MHz)	Ant.		Cable		Reading (dBmV)	Amp factor	Emission		Margin (dB)	Remark
		Factor (dB/m)	Loss (dB)	Level (dBmW)	Limits (dBmW/m)			Level (dBmW)	Limits (dBmW/m)		
1	5460.00	32.82	13.22	34.89	35.47	45.46	54.00	8.54	Average		
2	5470.00	32.85	13.22	36.77	35.47	49.32	54.00	4.68	Average		
3	5498.50	32.90	13.29	70.64	35.45	81.38	54.00	-27.38	Average		

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading -Amp factor.
2. The emission levels that are 20dB below the official limit are not reported.



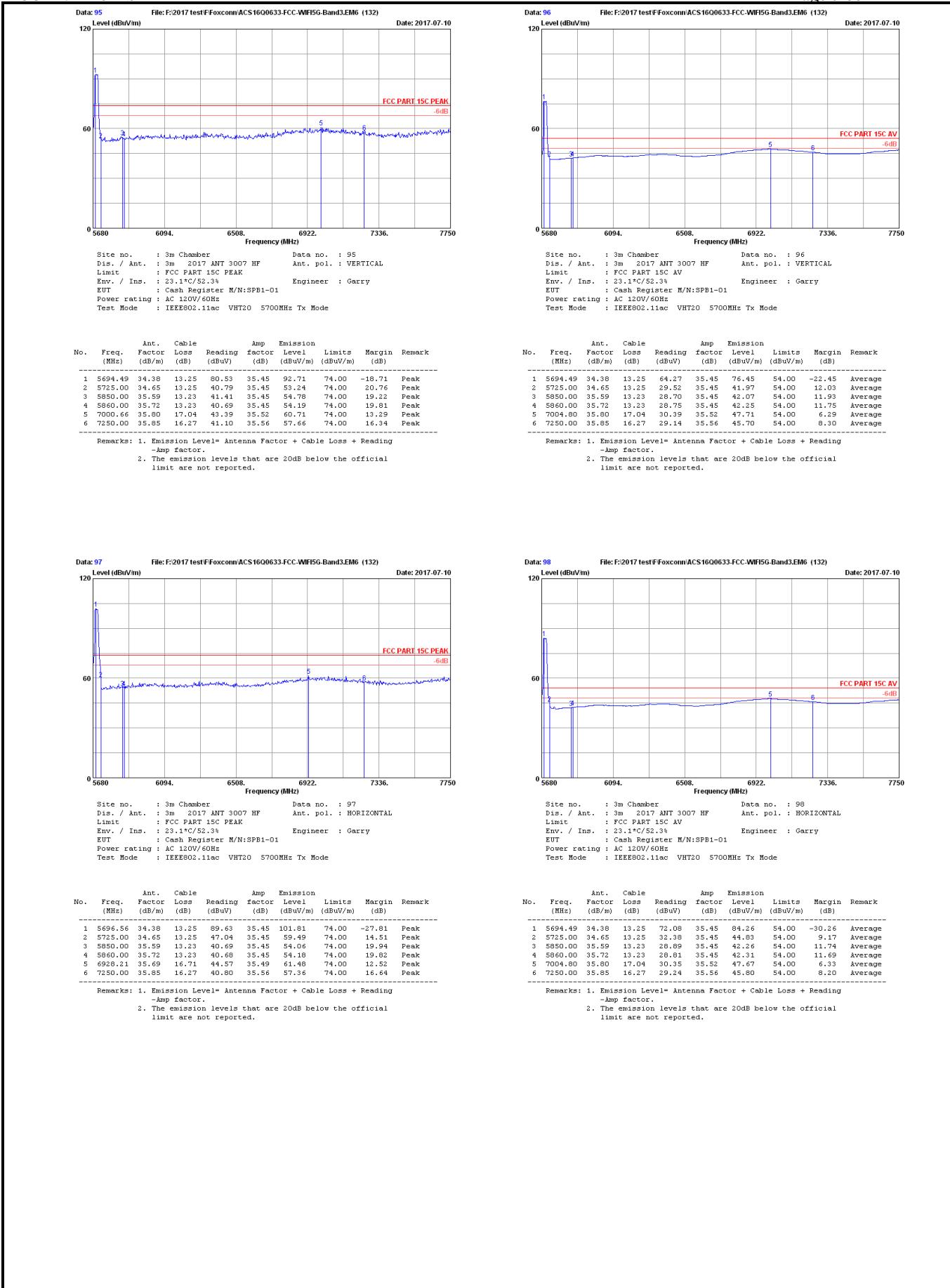
FCC ID: 2AF3K-SPB1

Page 5-32



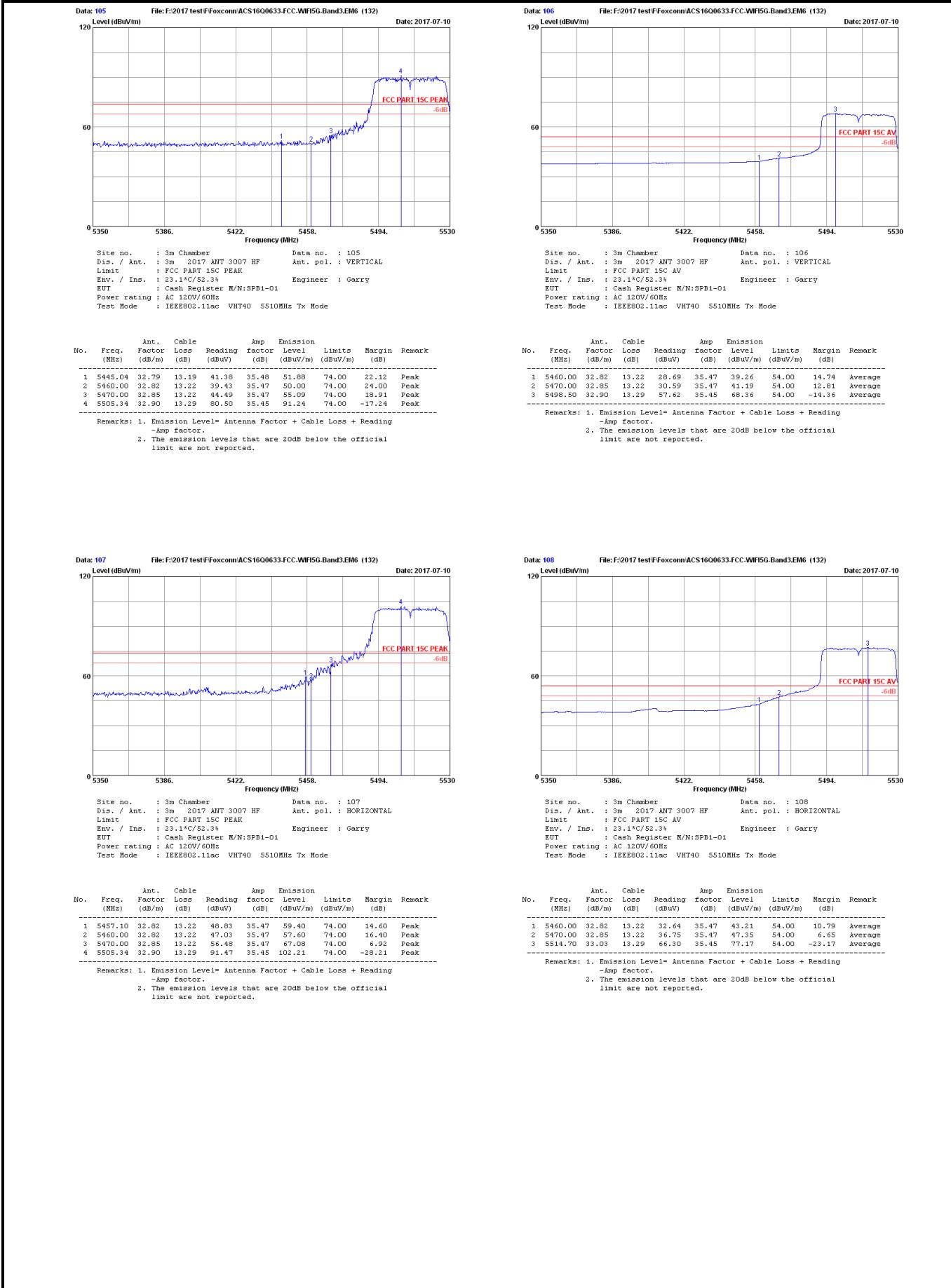
FCC ID: 2AF3K-SPB1

Page 5-33



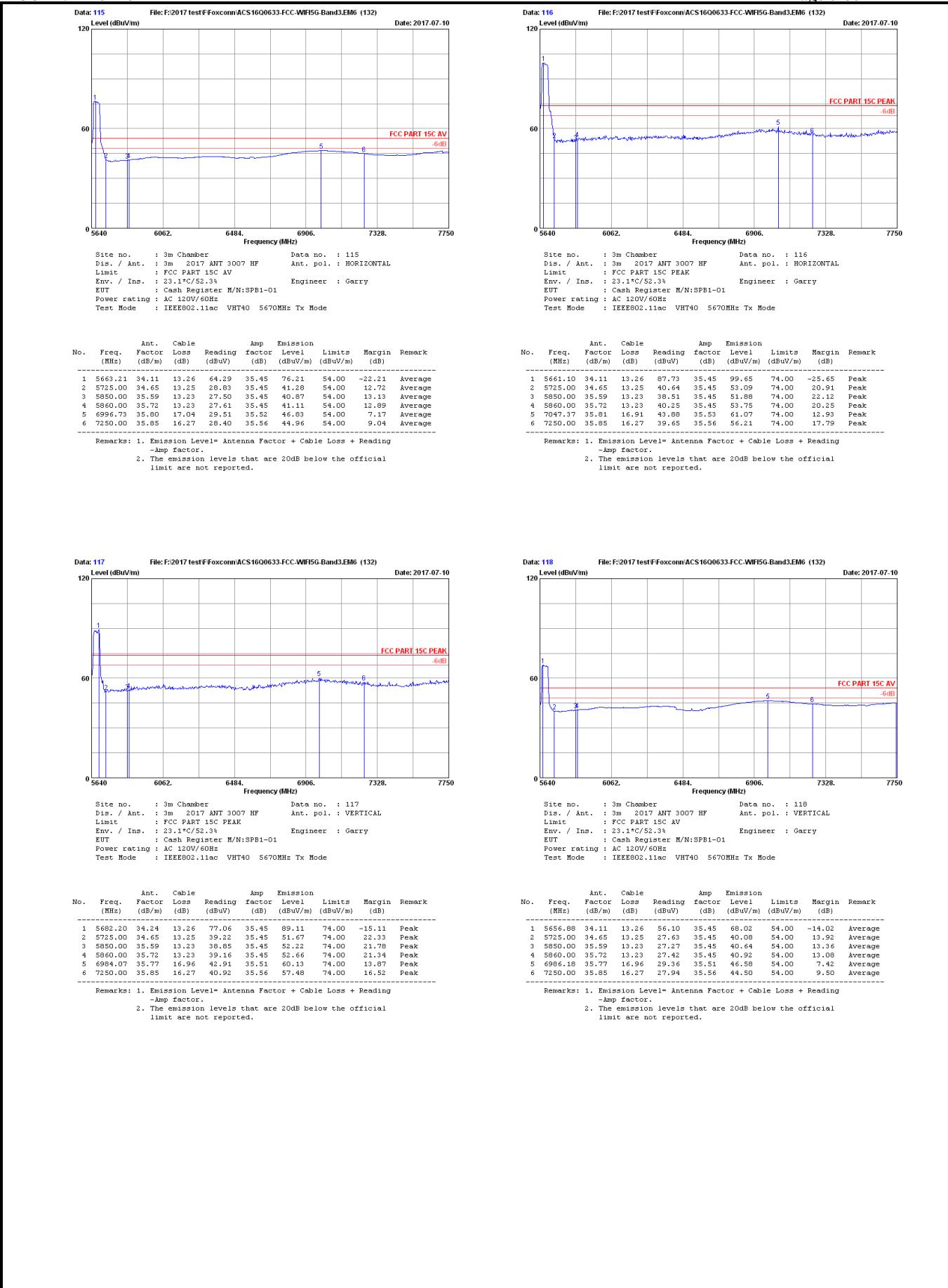
FCC ID: 2AF3K-SPB1

Page 5-34



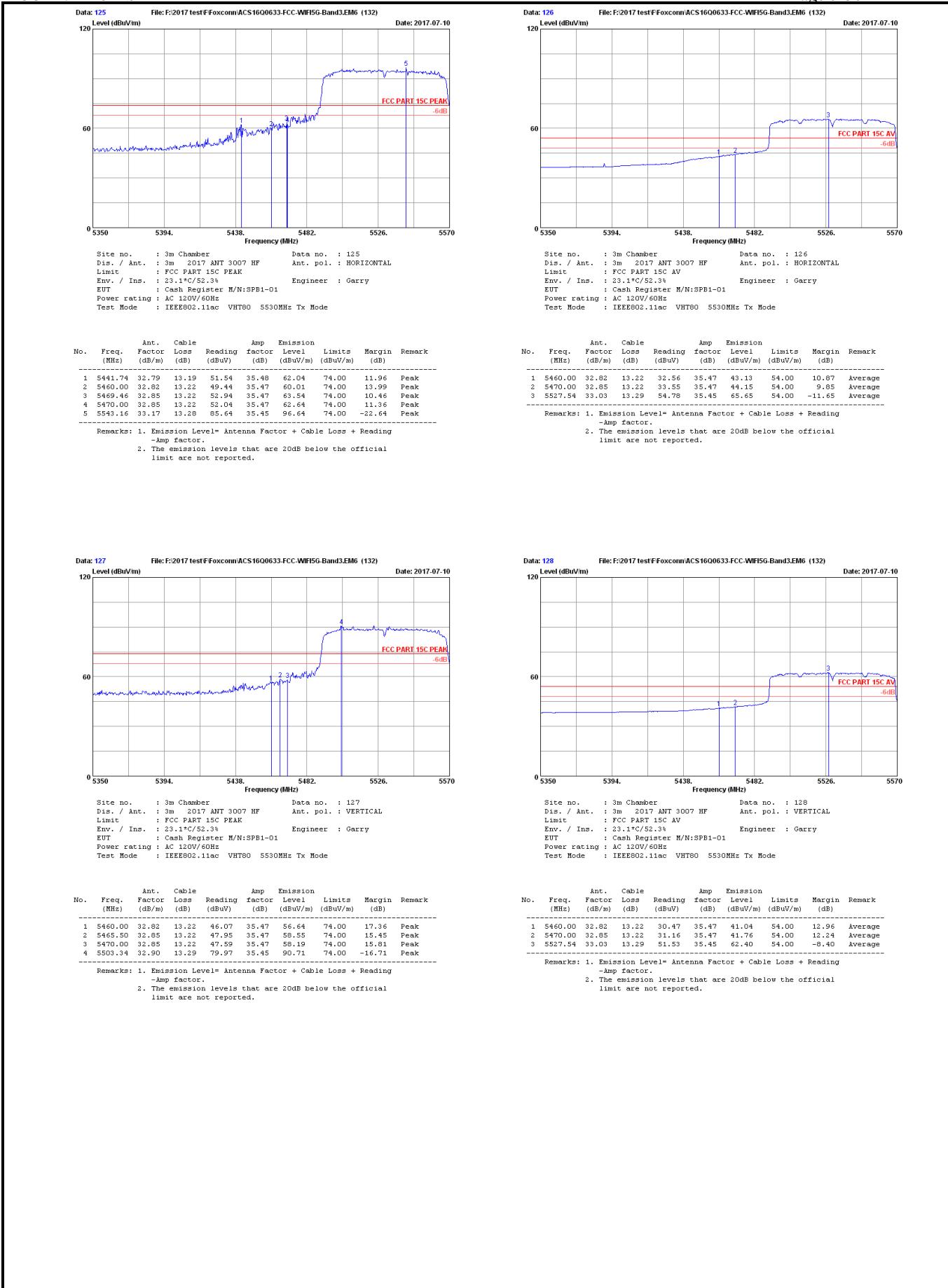
FCC ID: 2AF3K-SPB1

Page 5-35



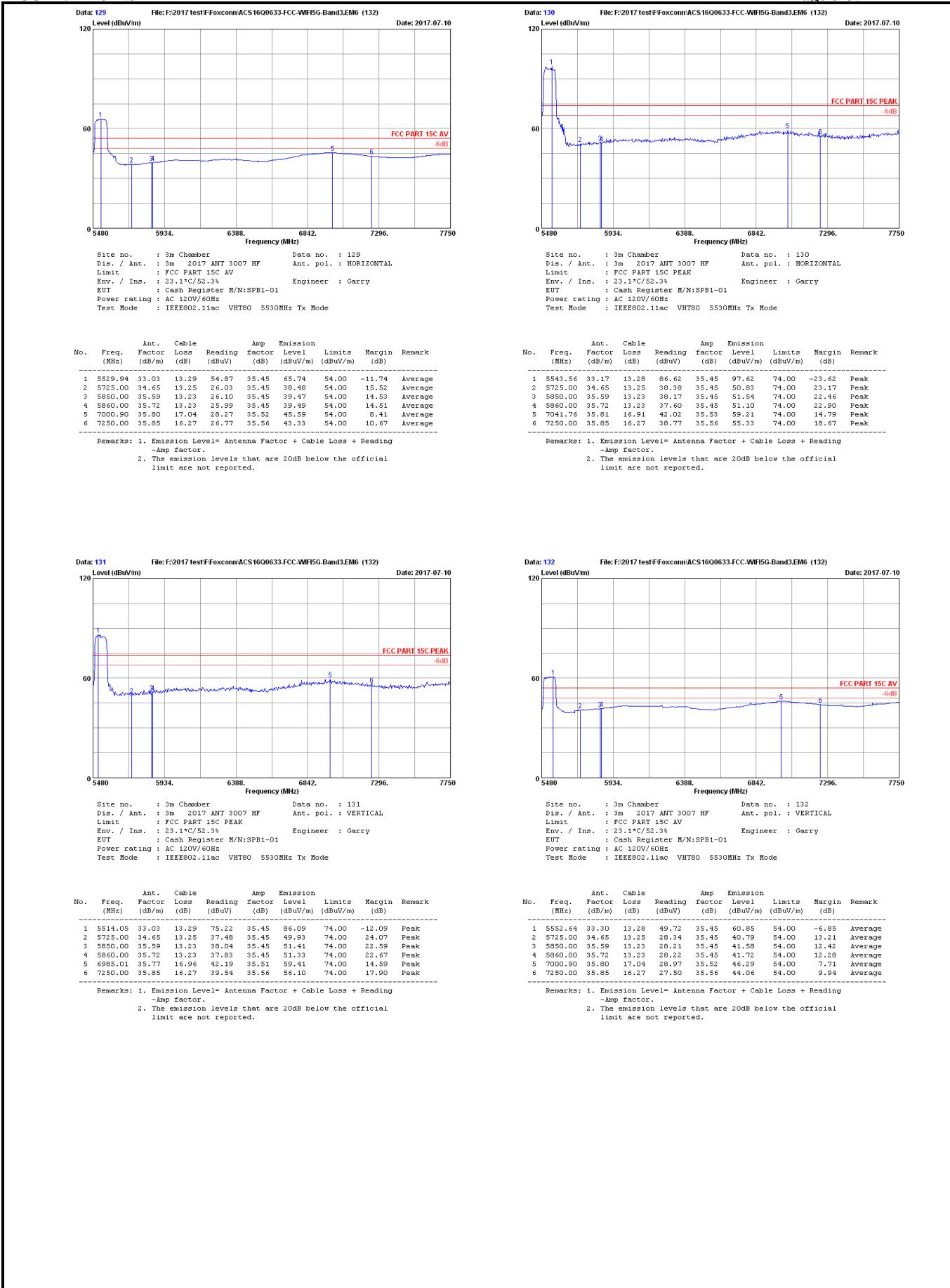
FCC ID: 2AF3K-SPB1

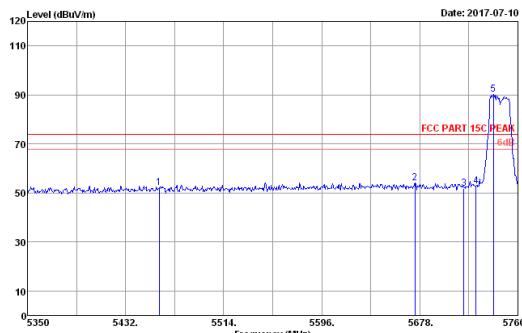
Page 5-36



FCC ID: 2AF3K-SPB1

Page 5-37

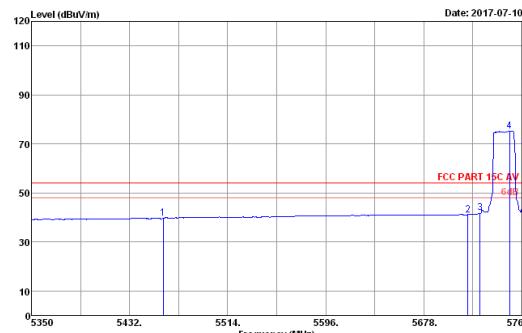


5745-5825MHz Band:


Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	41.47	35.47	52.04	74.00	21.96	Peak
2	5673.90	34.24	13.26	42.14	35.45	54.19	74.00	19.81	Peak
3	5715.00	34.51	13.25	39.62	35.45	51.93	74.00	22.07	Peak
4	5725.00	34.45	13.25	40.25	35.45	53.98	74.00	20.02	Peak
5	5739.50	34.78	13.25	77.51	35.45	90.09	74.00	-16.09	Peak

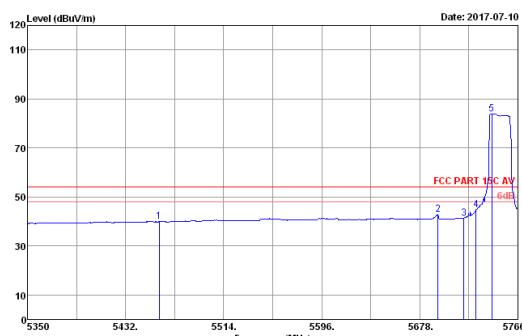
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.08	35.47	39.65	54.00	14.35	Average
2	5715.00	34.51	13.25	28.80	35.45	41.11	54.00	12.89	Average
3	5725.00	34.65	13.25	29.35	35.45	41.80	54.00	12.20	Average
4	5745.75	34.78	13.25	62.65	35.45	75.21	54.00	-21.21	Average

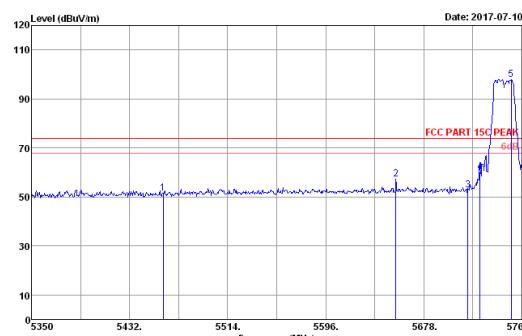
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.43	35.47	40.00	54.00	14.00	Average
2	5673.90	34.24	13.26	35.45	42.74	42.74	54.00	11.26	Average
3	5715.00	34.51	13.25	29.08	41.97	54.00	12.63	Average	
4	5725.00	34.65	13.25	32.43	35.45	44.88	54.00	9.12	Average
5	5738.27	34.78	13.25	71.38	35.45	83.96	54.00	-29.96	Average

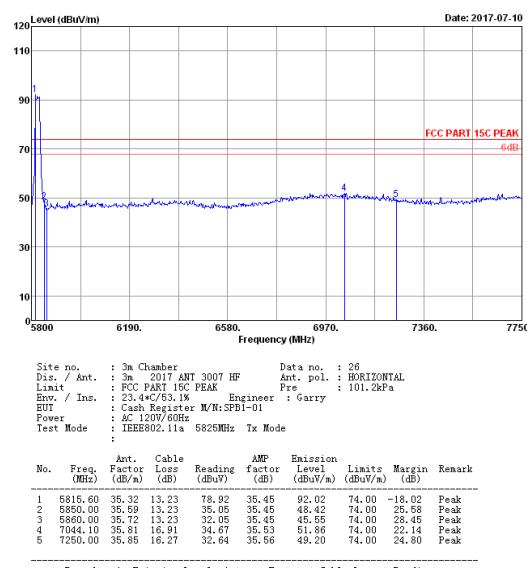
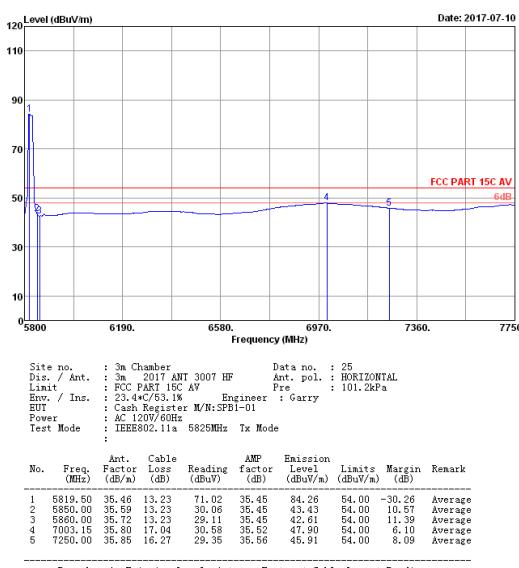
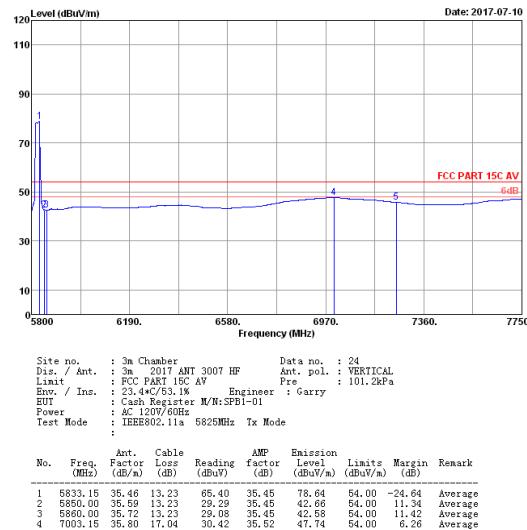
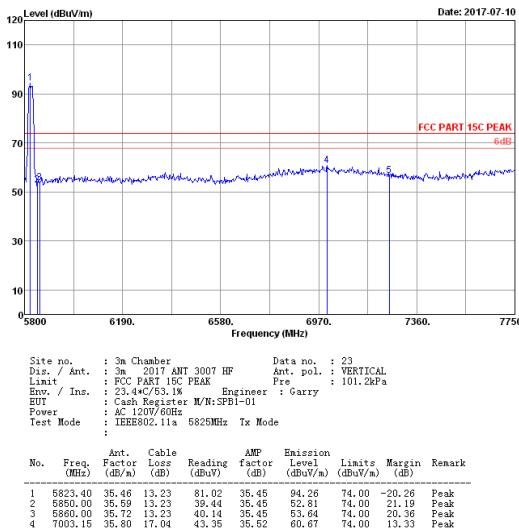
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

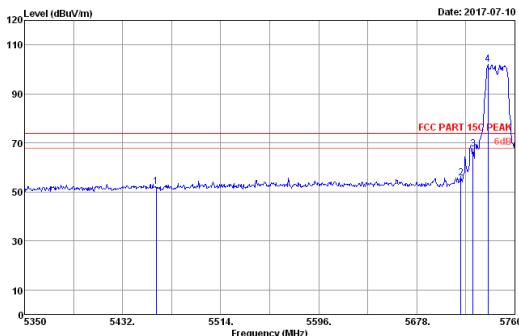


Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11a 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/n)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	41.03	35.47	51.60	74.00	22.40	Peak
2	5673.90	34.51	13.25	45.45	35.45	57.32	74.00	16.68	Peak
3	5715.00	34.51	13.25	40.41	35.45	53.45	74.00	21.58	Peak
4	5725.00	34.65	13.25	47.71	35.45	60.16	74.00	13.84	Peak
5	5750.98	34.78	13.24	85.43	35.45	98.00	74.00	-24.00	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

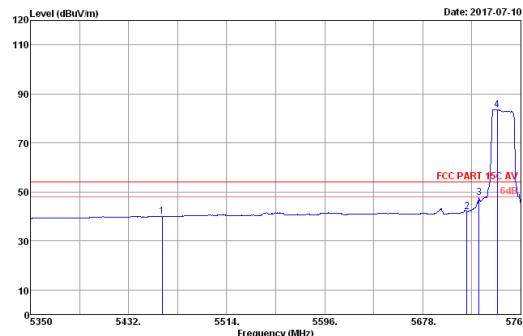




Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	41.72	35.47	52.29	74.00	21.71	Peak
2	5715.00	34.61	13.25	43.37	35.45	55.68	74.00	18.32	
3	5725.00	34.65	13.25	55.10	35.45	67.55	74.00	6.45	
4	5737.45	34.78	13.25	69.45	35.45	102.03	74.00	-26.03	Peak

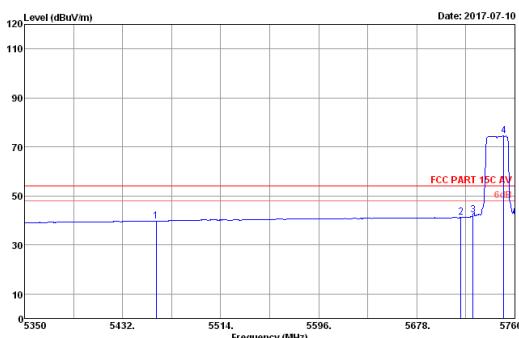
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.39	35.47	39.96	54.00	14.04	Average
2	5715.00	34.61	13.25	29.63	35.45	41.94	54.00	12.06	Average
3	5725.00	34.65	13.25	35.33	35.45	47.78	54.00	6.22	Average

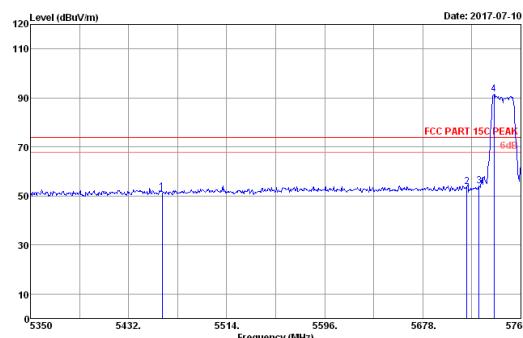
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.10	35.47	39.67	54.00	14.33	Average
2	5715.00	34.61	13.25	32.82	35.45	41.53	54.00	10.18	Average
3	5725.00	34.65	13.25	32.82	35.45	42.37	54.00	11.63	Average
4	5737.45	34.78	13.24	61.85	35.45	74.42	54.00	-20.42	Average

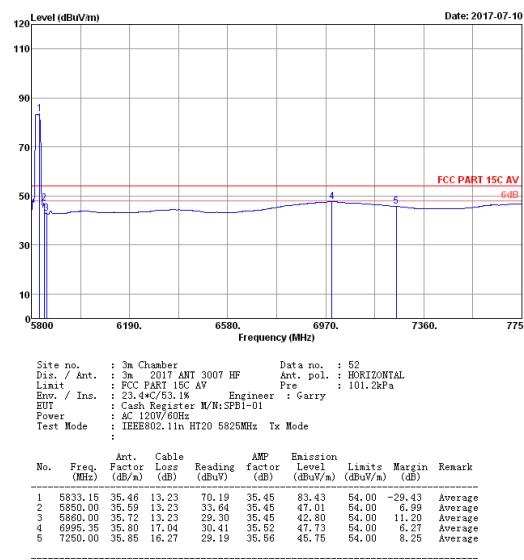
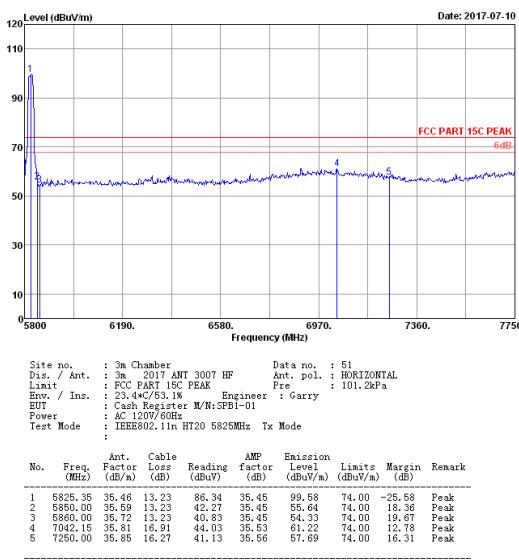
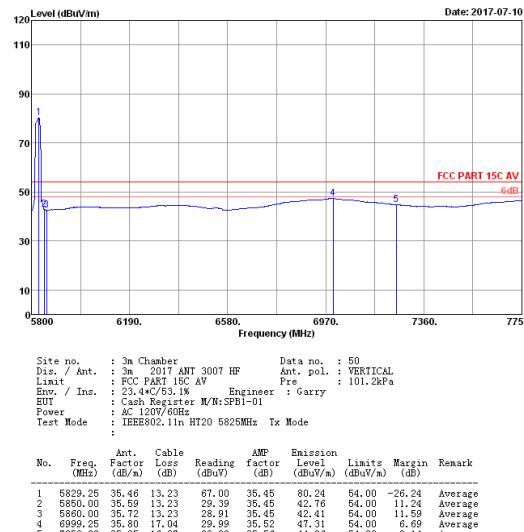
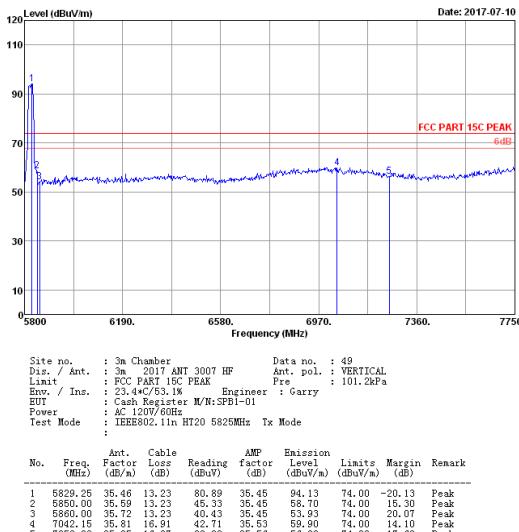
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.

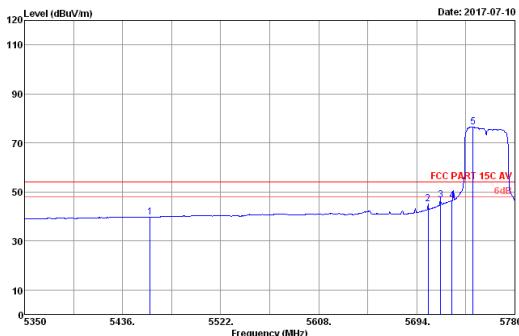


Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	41.00	35.47	51.57	74.00	22.43	Peak
2	5715.00	34.61	13.25	41.00	35.45	53.77	74.00	22.43	Peak
3	5725.00	34.65	13.25	41.00	35.45	54.94	74.00	19.86	Peak
4	5737.45	34.78	13.25	79.02	35.45	91.60	74.00	-17.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.

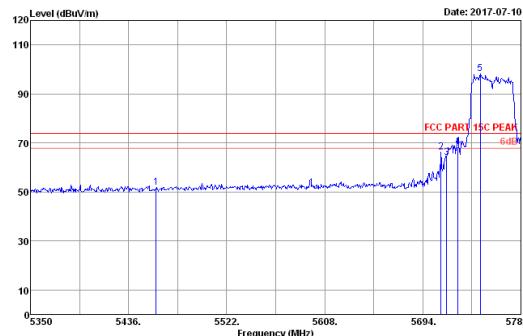




Site no. : 3m Chamber Data no. : 59
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.15	35.47	39.72	54.00	14.28	Average
2	5703.89	34.51	13.25	32.73	35.45	45.04	54.00	8.96	Average
3	5715.00	34.51	13.25	34.48	35.45	46.77	54.00	7.23	Average
4	5723.00	34.48	13.25	33.49	35.45	45.44	54.00	7.01	Average
5	5743.45	34.78	13.25	64.01	35.45	76.59	54.00	-22.59	Average

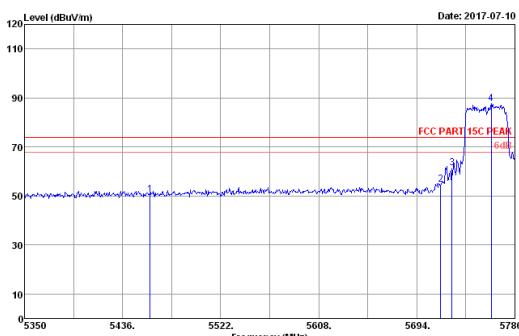
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	41.39	35.47	51.96	74.00	22.04	Peak
2	5703.91	34.51	13.25	53.91	35.45	66.22	74.00	7.78	Peak
3	5715.00	34.51	13.25	51.80	35.45	64.11	74.00	9.88	Peak
5	5723.00	34.46	13.25	53.91	35.45	63.91	74.00	10.07	Peak
6	5743.31	34.78	13.25	85.77	35.45	98.35	74.00	-24.35	Peak

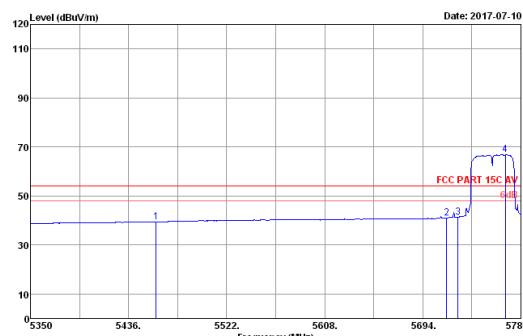
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	40.00	35.47	50.57	74.00	23.43	Peak
2	5715.00	34.48	13.25	42.45	35.45	54.57	74.00	19.98	Peak
3	5723.00	34.65	13.25	43.90	35.45	61.35	74.00	17.65	Peak
4	5759.36	34.92	13.24	75.05	35.45	87.76	74.00	-13.76	Peak

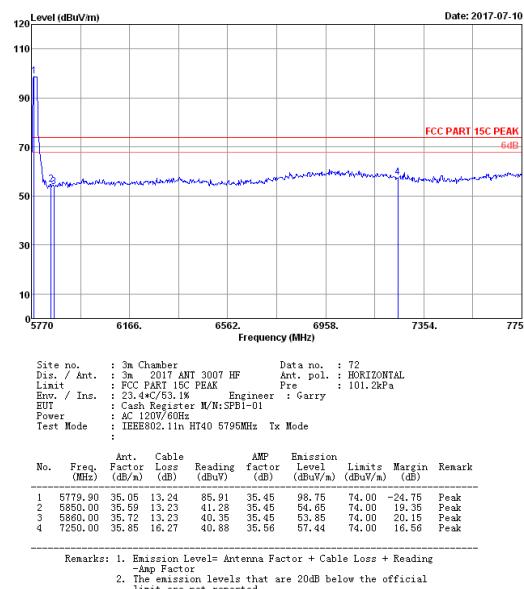
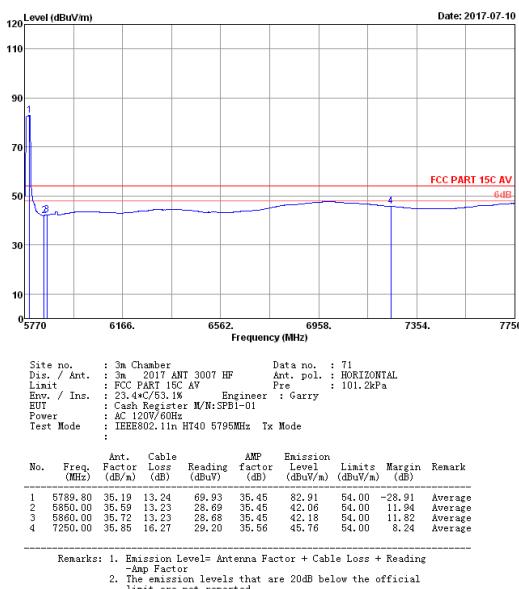
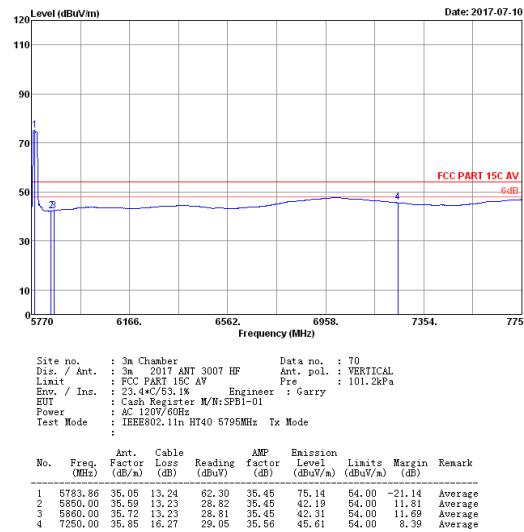
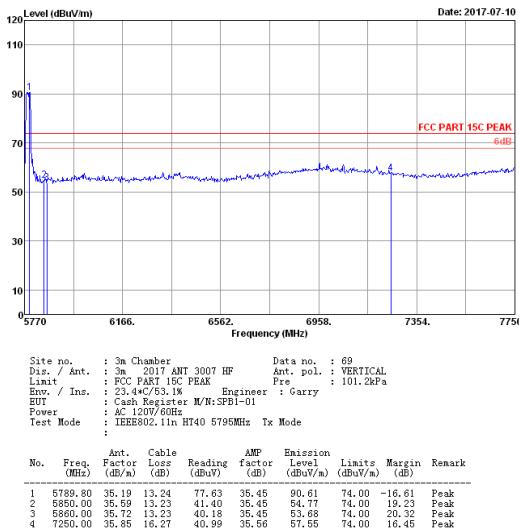
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

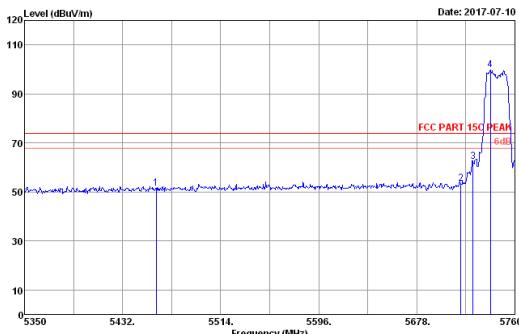


Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11n HT40 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	AMP (dBuV)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	28.81	35.47	39.38	54.00	14.62	Average
2	5703.91	34.51	13.25	28.82	35.45	41.94	54.00	9.98	Average
3	5726.00	34.56	13.25	28.92	35.45	41.37	54.00	12.93	Average
4	5766.24	34.92	13.24	54.21	35.45	66.92	54.00	-12.92	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

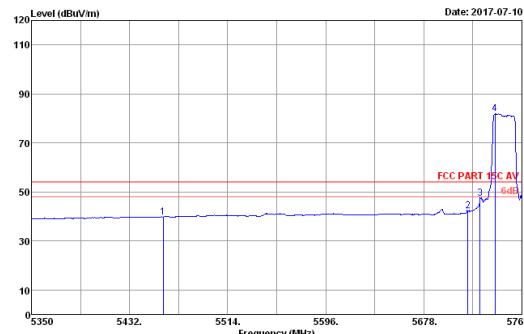




Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	40.97	35.47	51.54	74.00	22.46 Peak
2	5715.00	34.51	13.25	41.28	35.45	53.56	74.00	20.44
3	5725.00	34.65	13.25	50.02	35.45	62.47	74.00	11.53
4	5739.50	34.78	13.25	67.24	35.45	99.82	74.00	-26.62 Peak

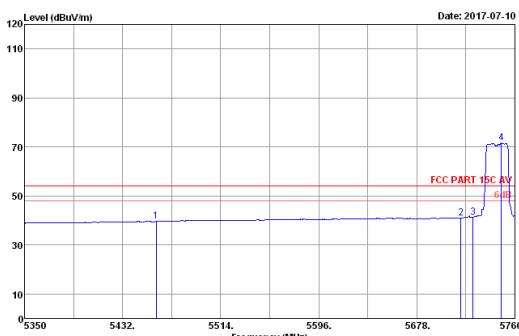
- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.22	35.47	39.79	54.00	14.21 Average
2	5715.00	34.51	13.25	29.82	35.45	42.13	54.00	11.87 Average
3	5725.00	34.65	13.25	34.95	35.45	47.40	54.00	6.60 Average

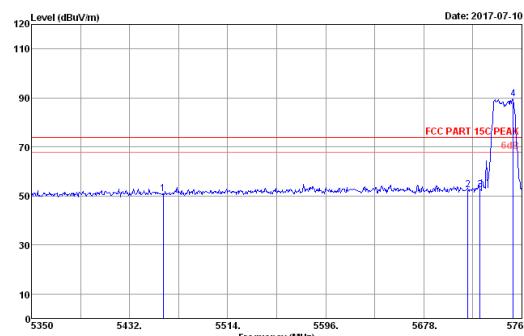
- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.00	35.47	39.57	54.00	14.43 Average
2	5715.00	34.51	13.25	35.45	40.97	40.97	54.00	21.53 Average
3	5725.00	34.65	13.25	28.98	35.45	41.43	54.00	12.57 Average

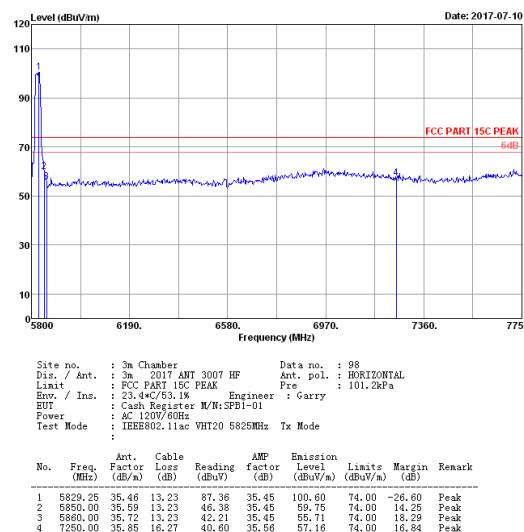
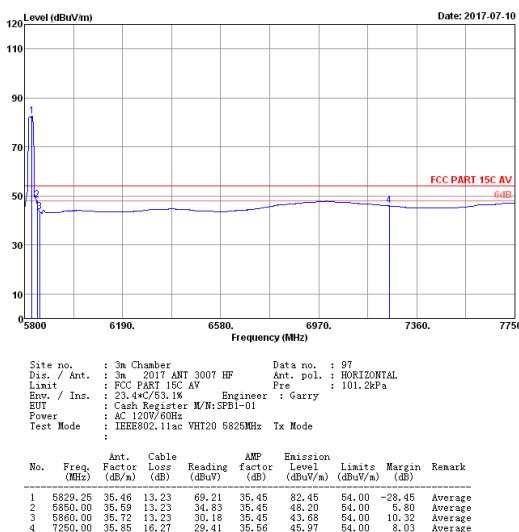
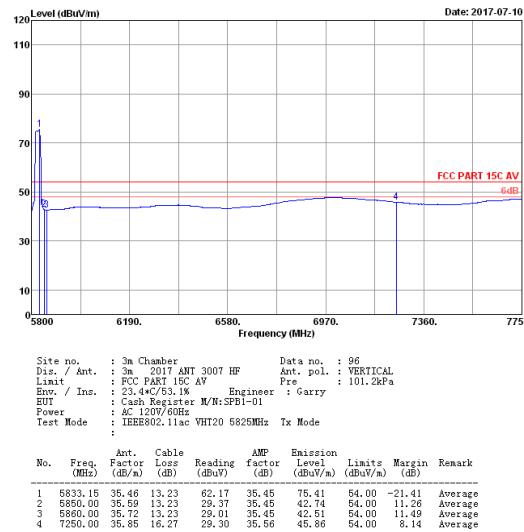
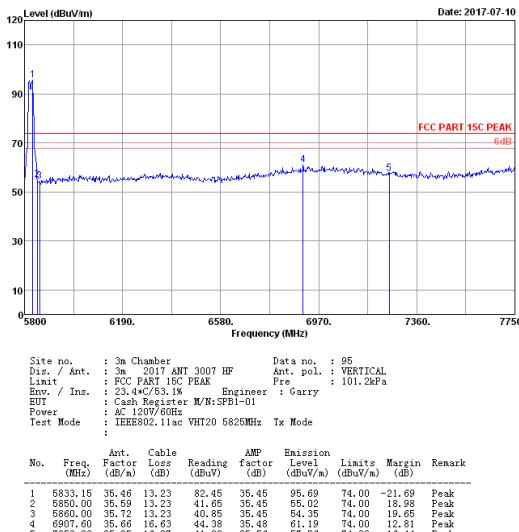
- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.

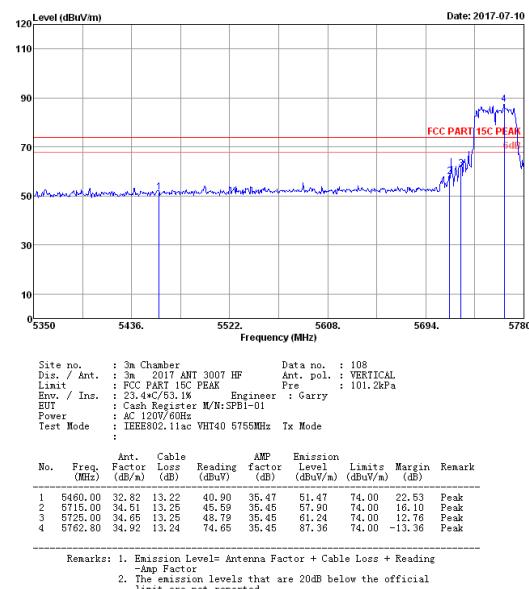
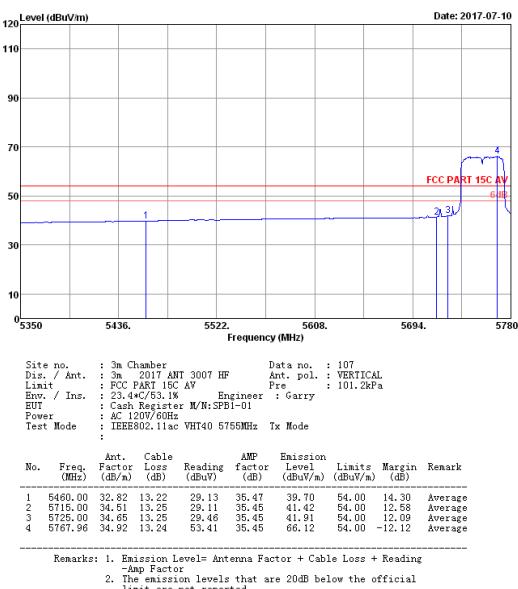
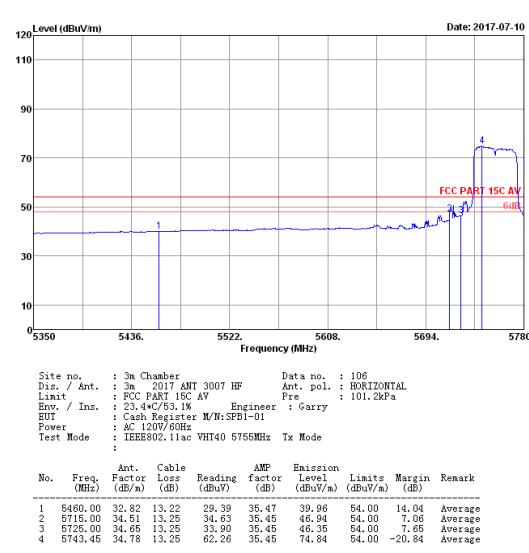
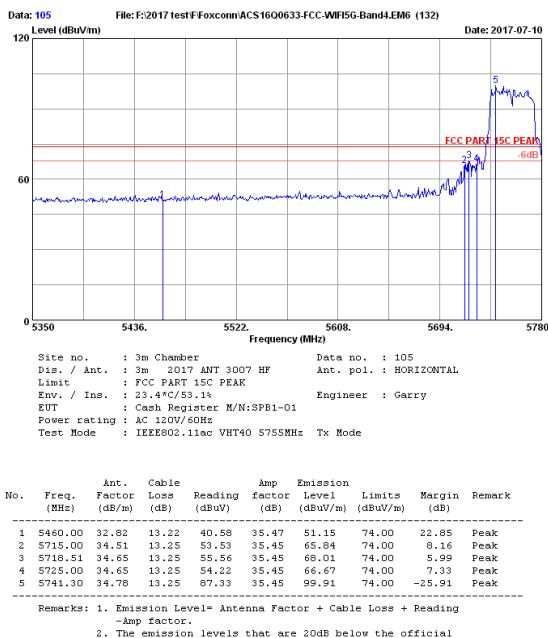


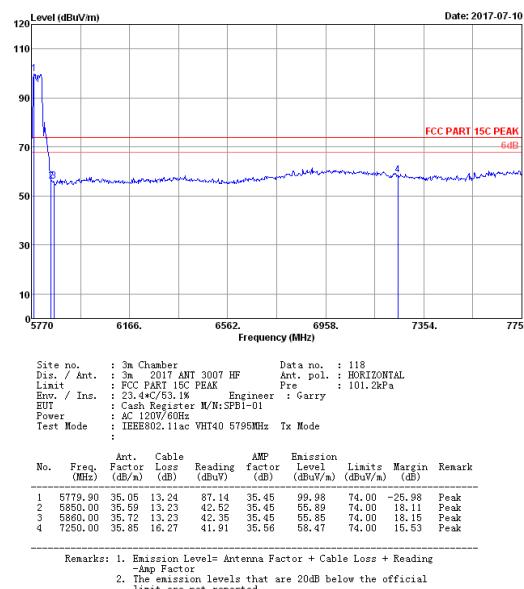
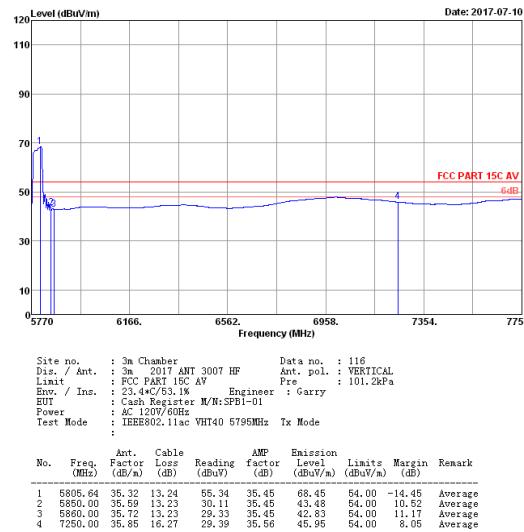
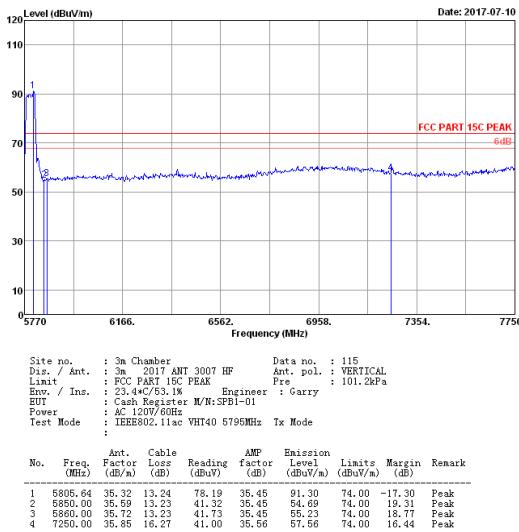
Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1K Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT20 5745MHz Tx Mode

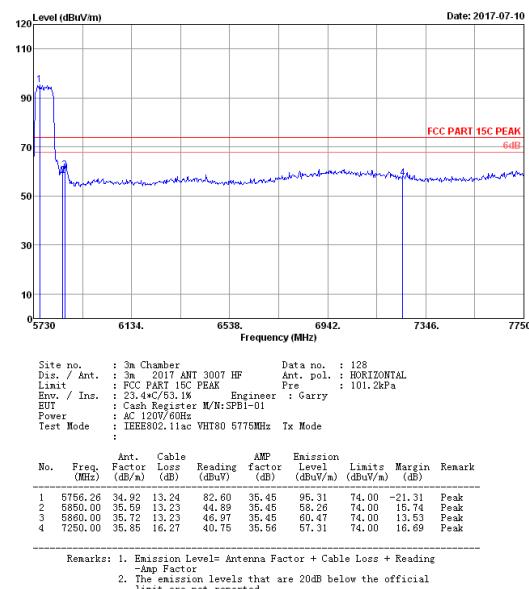
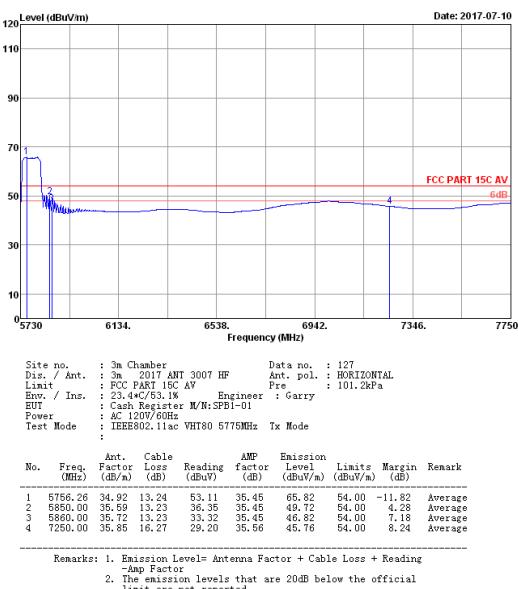
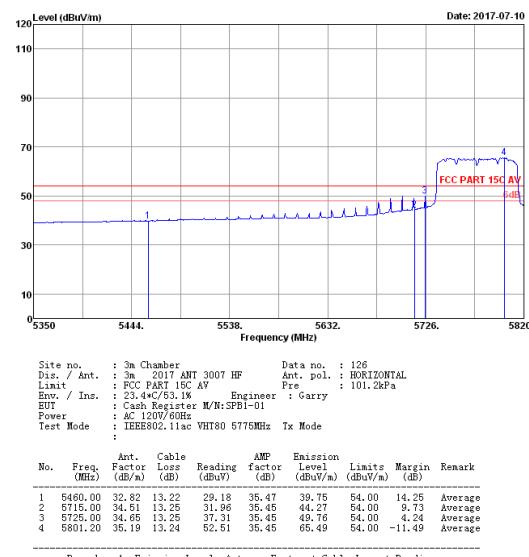
No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/m)	Reading factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	40.22	35.47	50.79	74.00	23.21 Peak
2	5715.00	34.51	13.25	40.45	35.45	53.49	74.00	21.56 Peak
3	5725.00	34.65	13.25	40.01	35.45	53.66	74.00	21.34 Peak

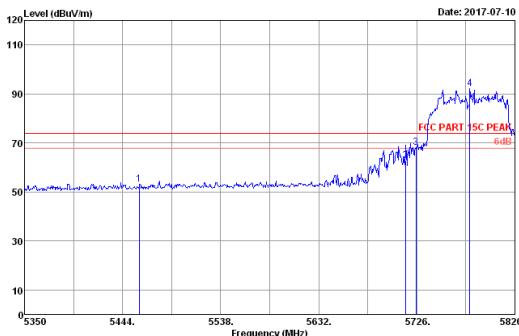
- Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Ant Factor
2. The emission levels that are 20dB below the official limit are not reported.







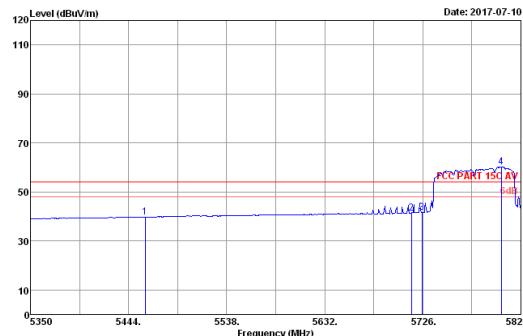




Site no. : 3m Chamber Data no. : 129
Dir. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	42.63	35.47	53.20	74.00	-20.80	Peak
2	5715.00	34.61	13.25	50.52	35.45	62.83	74.00	-11.17	Average
3	5725.00	34.65	13.25	55.57	35.45	68.02	74.00	-5.98	Average
4	5776.76	35.05	13.24	79.33	35.45	92.17	74.00	-18.17	Peak

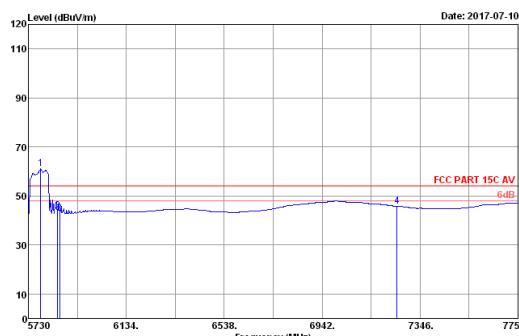
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 130
Dir. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	32.82	13.22	29.10	35.47	39.67	54.00	14.33	Average
2	5715.00	34.61	13.25	29.11	35.45	41.42	54.00	12.58	Average
3	5725.00	34.65	13.25	29.08	35.45	41.53	54.00	12.47	Average
4	5801.20	35.19	13.24	47.30	35.45	60.28	54.00	-6.28	Average

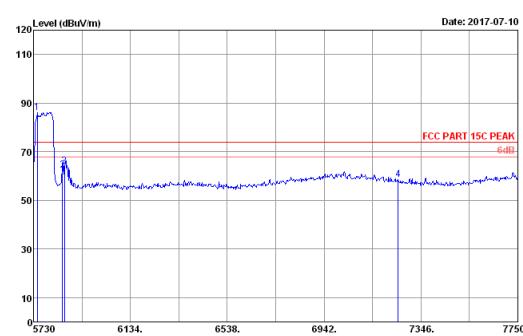
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 131
Dir. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C AV Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5780.50	35.05	13.24	48.16	35.45	61.00	64.00	-7.00	Average
2	5820.00	35.05	13.24	30.65	35.45	43.00	64.00	-10.00	Average
3	5860.00	35.72	13.23	29.32	35.45	42.72	64.00	-11.28	Average
4	7250.00	35.85	16.27	29.31	35.56	45.87	54.00	8.13	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 132
Dir. / Ant. : 3m 2017 ANT 3007 HF Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK Pre. : 101.2kPa
Env. / Ins. : 23.4°C/53.1% Engineer : Garry
EUT : Cash Register M/N:SPB1-01
Power : AC 120V/60Hz
Test Mode : IEEE802.11ac VHT80 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor	Cable Loss (dB/n)	Reading (dBuV)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5746.16	34.78	13.25	73.52	35.45	86.10	74.00	-12.10	Peak
2	5850.00	35.55	13.23	49.13	35.45	62.50	74.00	-11.50	Peak
3	5890.00	35.55	13.23	49.00	35.45	64.00	74.00	-9.98	Peak
4	7250.00	35.85	16.27	42.01	35.56	58.57	74.00	15.43	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

6. 6dB &26dB Bandwidth Test

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,16	1 Year

6.2. Limit

6dB Bandwidth should be not less than 500kHz

6.3. Test Procedure

6dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW for signal width below 20MHz and 300KHz RBW ,1MHz VBW for Above 20MHz signal Bandwidth.

26dB Bandwidth:

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 KHz VBW The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.4. Test Results

5180-5240MHz Band:**6dB bandwidth**

EUT: Cash Register			
M/N: SPB1-01			
Test date: 2017-07-04	Pressure: 102.4±1.0 kpa	Humidity:52.6±3.0%	
Tested by: zack_zhu	Test site: RF site		Temperature:23.2±0.6 °C

Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	5180	16.45	16.39	≥500
	5200	16.41	16.44	≥500
	5240	16.39	16.39	≥500
11n HT20	5180	17.61	17.64	≥500
	5200	17.62	17.62	≥500
	5240	17.64	17.62	≥500
11n HT40	5190	35.42	35.39	≥500
	5230	35.24	35.13	≥500
11ac VHT20	5180	17.62	17.62	≥500
	5200	17.62	17.62	≥500
	5240	17.62	17.63	≥500
11ac VHT40	5190	35.24	35.23	≥500
	5230	35.21	35.18	≥500
11ac VHT80	5210	75.11	75.22	≥500
Conclusion: PASS				

26dB bandwidth

EUT: Cash Register			
M/N: SPB1-01			
Test date: 2017-07-04	Pressure: 102.4±1.0 kpa	Humidity:52.6±3.0%	
Tested by: zack_zhu	Test site: RF site		Temperature:23.2±0.6 °C

Test Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (KHz)
		ANT0	ANT1	
11a	5180	20.92	20.89	N/A
	5200	20.56	20.89	N/A
	5240	20.55	20.58	N/A
11n HT20	5180	20.70	21.79	N/A
	5200	20.66	21.10	N/A
	5240	21.07	21.00	N/A
11n HT40	5190	40.22	39.61	N/A
	5230	39.52	39.23	N/A
11ac VHT20	5180	20.84	20.88	N/A
	5200	20.73	20.73	N/A
	5240	20.73	20.87	N/A
11ac VHT40	5190	39.43	39.44	N/A
	5230	39.41	39.60	N/A
11ac VHT80	5210	78.12	78.52	N/A
Conclusion: PASS				