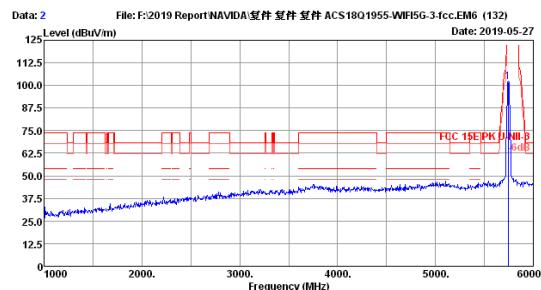
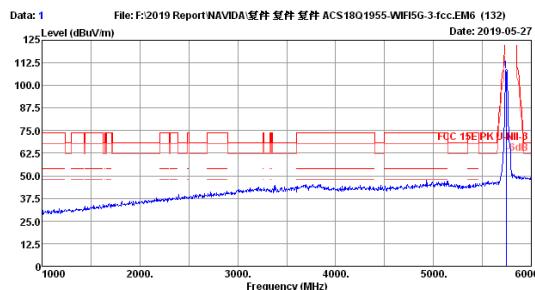


U-NII-3 Band:

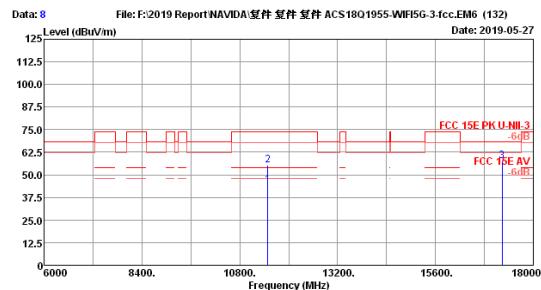
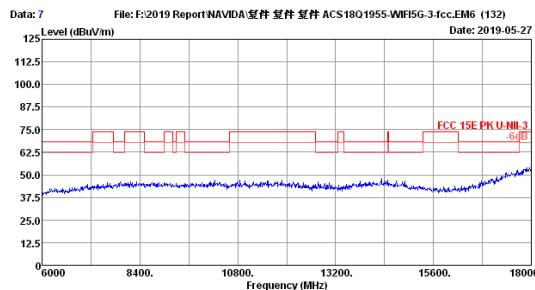


No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5745.00	34.03	1.35	34.25	106.74	107.87	-----	-----	Peak

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)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5745.00	34.03	1.35	34.25	100.62	101.75	-----	-----	Peak

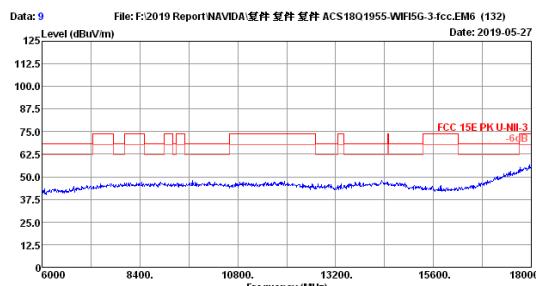
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



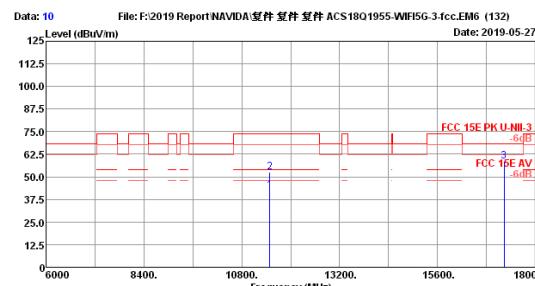
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11490.00	38.30	1.87	34.40	38.48	44.25	54.00	9.75	Average
2	11490.00	38.30	1.87	34.40	49.80	55.57	74.00	18.43	Peak
3	17235.00	43.56	2.29	34.01	45.65	57.49	68.20	10.71	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.

FCC ID: VOB-P2571



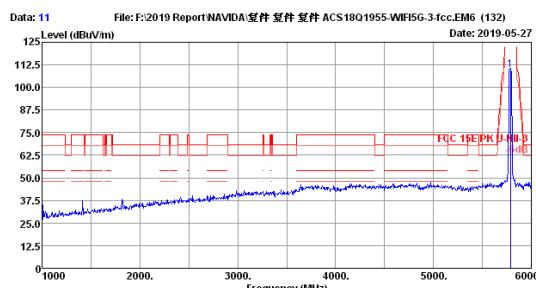
Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode



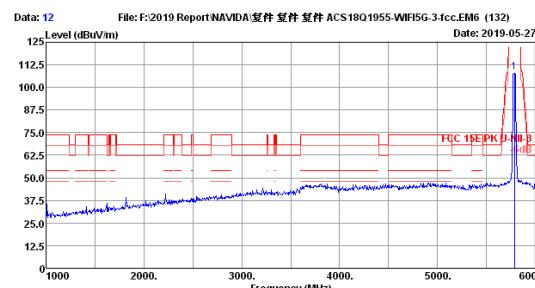
Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	11490.00	38.30	1.87	34.40	36.59	42.36	54.00 11.64 Average
2	11490.00	38.30	1.87	34.40	46.65	52.42	74.00 21.58 Peak
3	17235.00	43.56	2.29	34.01	46.67	58.51	68.20 9.69 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. : 11
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH157 5785MHz Tx Mode



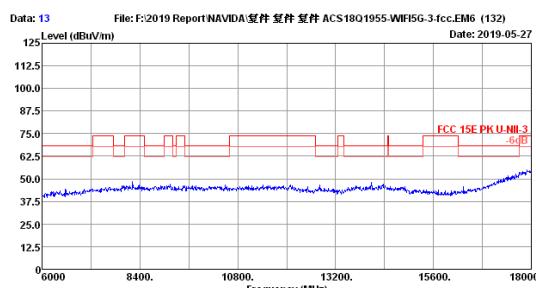
Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5785.00	34.12	1.36	34.24	108.31	109.55	----- Peak

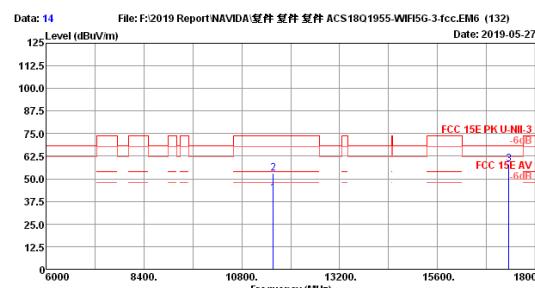
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5785.00	34.12	1.36	34.24	107.16	108.40	----- 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.

FCC ID: VOB-P2571


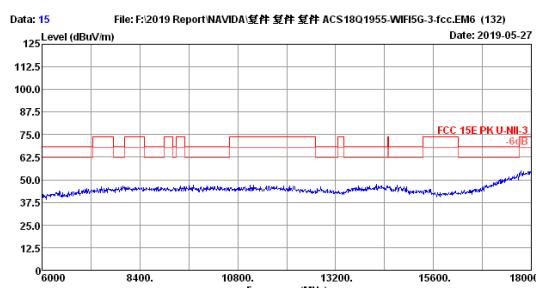
Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11a CH157 5785MHz Tx Mode



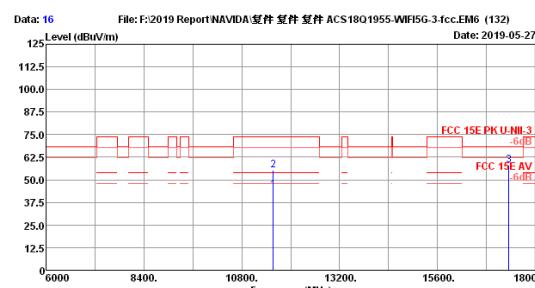
Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11a CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.30	1.88	34.40	36.07	41.85	54.00	12.15	Average
2	11570.00	38.30	1.88	34.40	47.12	52.90	74.00	21.10	Peak
3	17355.00	43.84	2.30	33.96	46.09	58.27	68.20	9.93	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.



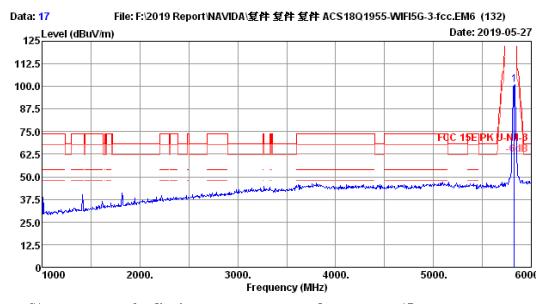
Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11a CH157 5785MHz Tx Mode



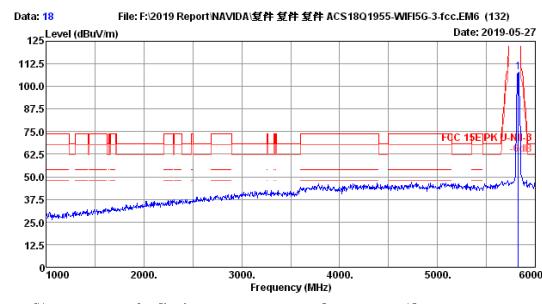
Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11a CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.30	1.88	34.40	38.31	44.09	54.00	9.91	Average
2	11570.00	38.30	1.88	34.40	49.48	55.26	74.00	18.74	Peak
3	17355.00	43.84	2.30	33.96	46.09	58.22	68.20	9.98	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.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode



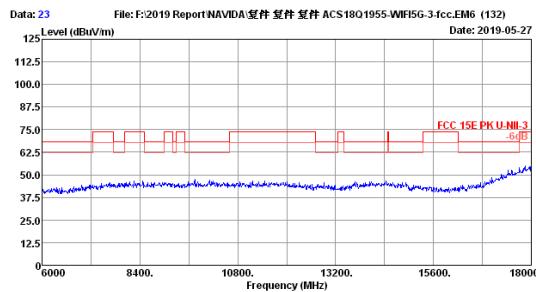
Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	99.47	100.85	-----	-----

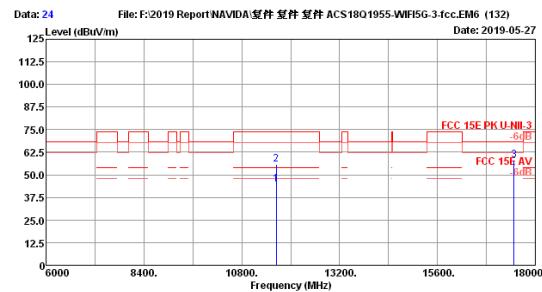
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	106.68	108.06	-----	-----

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 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode

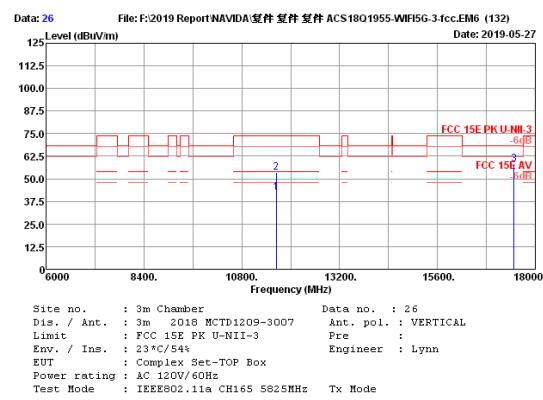
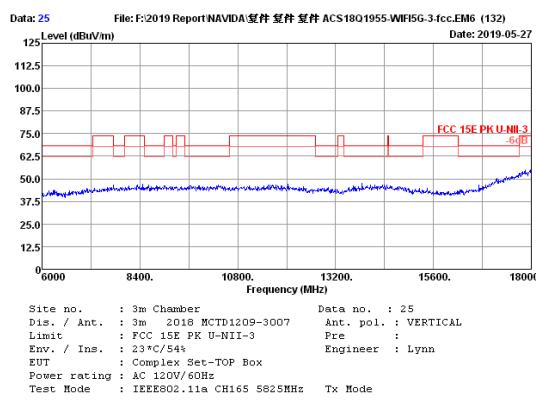


Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11650.00	38.30	1.89	34.40	39.14	44.93	54.00	9.07 Average
2	11650.00	38.30	1.89	34.40	50.14	55.93	74.00	18.07 Peak
3	17475.00	44.12	2.30	33.91	45.64	56.15	68.20	10.05 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.

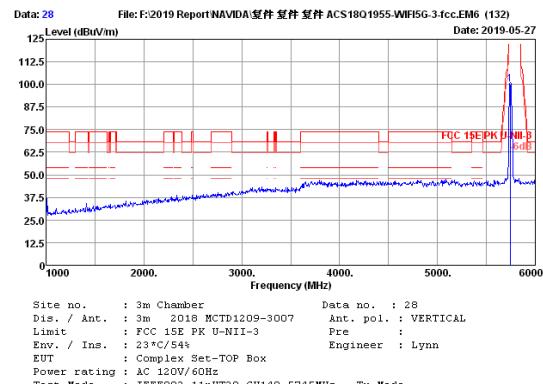
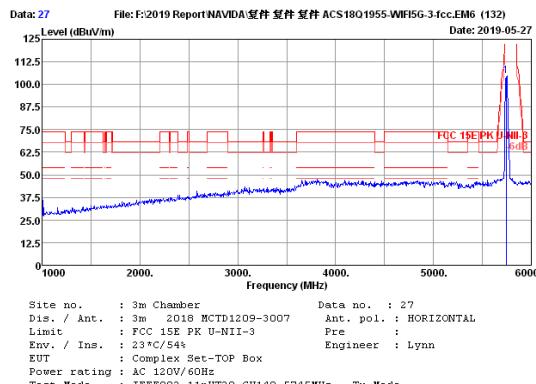
FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.30	1.89	34.40	36.74	42.53	54.00	11.47	Average
2	11650.00	38.30	1.89	34.40	47.78	53.57	74.00	20.43	Peak
3	17475.00	44.12	2.30	33.91	45.64	58.15	68.20	10.05	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.

Note: 11a has two antennas and can not transmit simultaneously, choose the antenna which has worse emissions for the unwanted radiated emission verification test for UNII-3 Band.



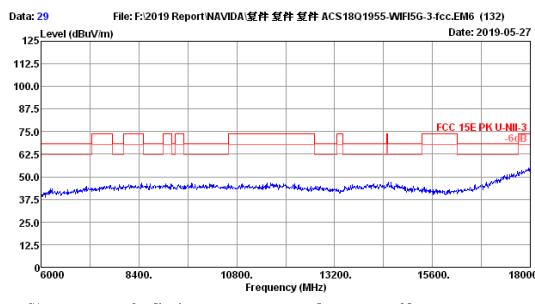
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.03	1.35	34.25	103.61	104.74	-	-	Peak

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.

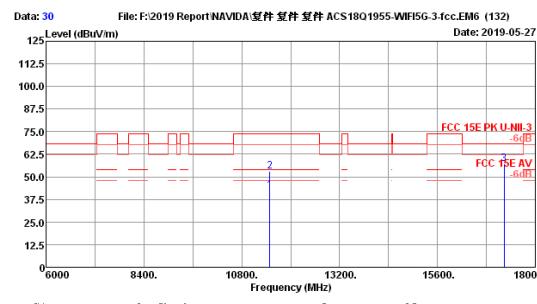
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	34.03	1.35	34.25	98.84	99.97	-	-	Peak

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.

FCC ID: VOB-P2571



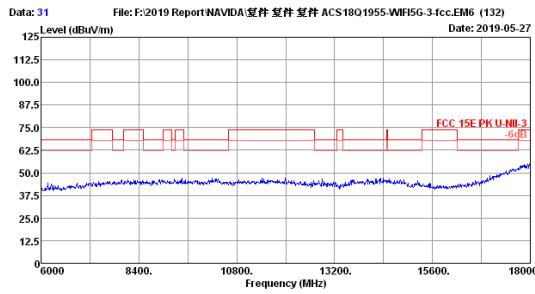
Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode



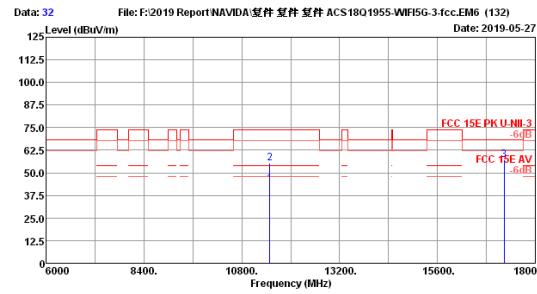
Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11490.00	38.30	1.87	34.40	36.85	42.62	54.00	11.38 Average
2	11490.00	38.30	1.87	34.40	47.42	53.19	74.00	20.81 Peak
3	17235.00	43.56	2.29	34.01	45.46	57.32	68.20	10.88 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.



Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode

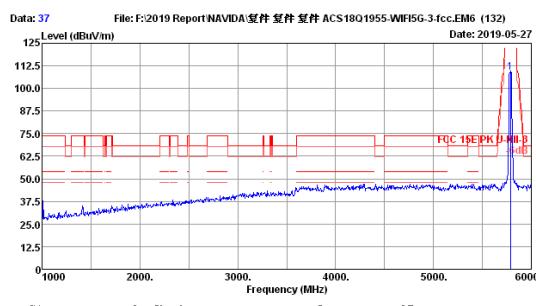


Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode

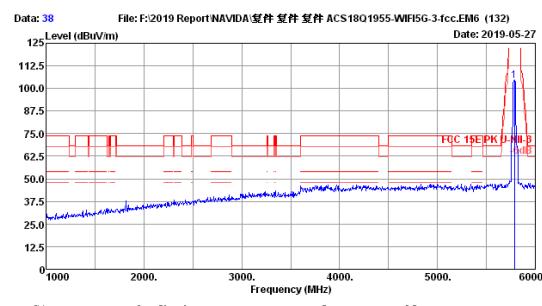
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11490.00	38.30	1.87	34.40	38.17	43.94	54.00	10.06 Average
2	11490.00	38.30	1.87	34.40	49.76	55.53	74.00	18.47 Peak
3	17235.00	43.56	2.29	34.01	45.42	57.26	68.20	10.94 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: VOB-P2571



Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH157 5785MHz Tx Mode



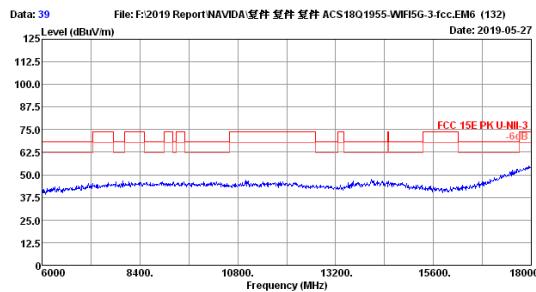
Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5785.00	34.12	1.36	34.24	107.45	108.69	-----	----- Peak

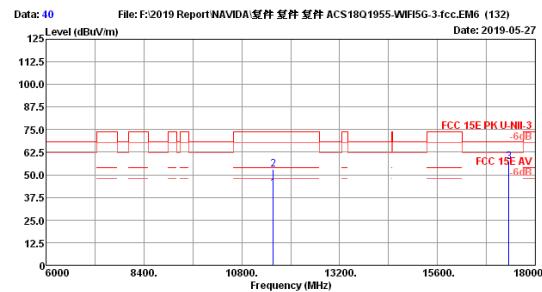
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5785.00	34.12	1.36	34.24	102.78	104.02	-----	----- 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.



Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH157 5785MHz Tx Mode

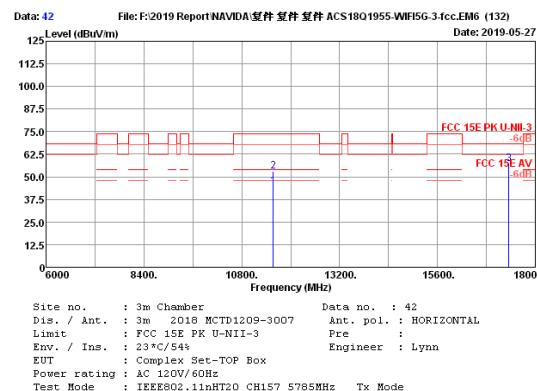
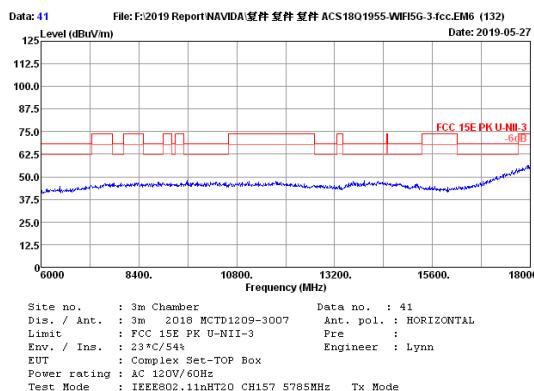


Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11570.00	38.30	1.88	34.40	36.47	42.25	54.00	11.75 Average
2	11570.00	38.30	1.88	34.40	47.47	53.25	74.00	20.75 Peak
3	17355.00	43.84	2.30	33.96	45.16	57.34	68.20	10.86 Peak

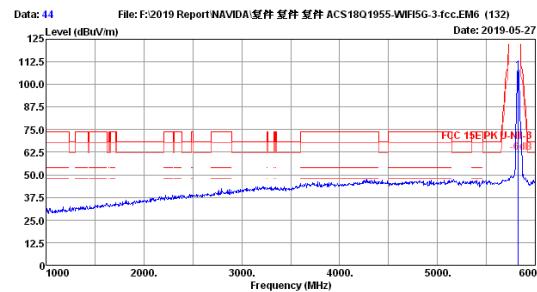
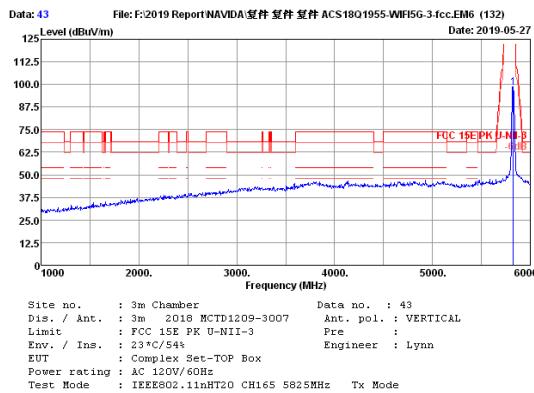
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11570.00	38.30	1.88	34.40	38.77	44.55	54.00	9.45 Average
2	11570.00	38.30	1.88	34.40	47.46	53.24	74.00	20.76 Peak
3	17355.00	43.84	2.30	33.96	45.15	57.33	68.20	10.87 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.



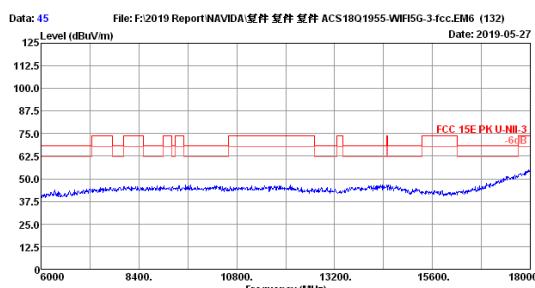
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	96.84	98.22	-----	Peak

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.

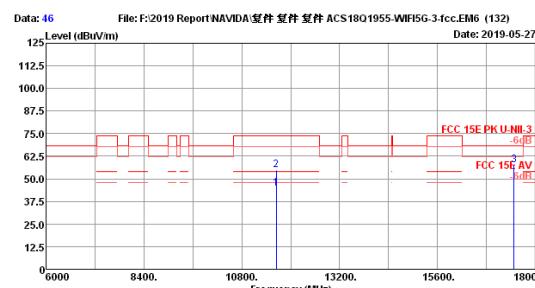
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	106.32	107.70	-----	Peak

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: VOB-P2571



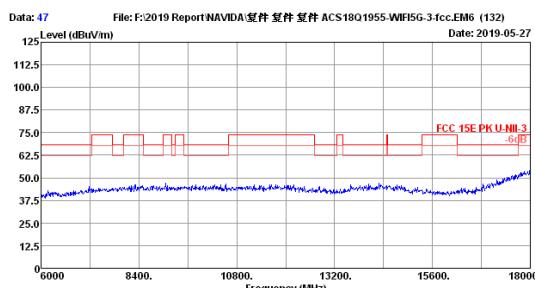
Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode



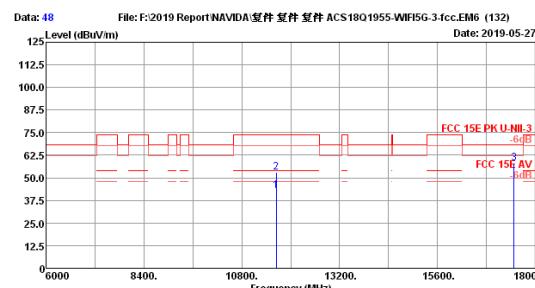
Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11650.00	38.30	1.89	34.40	38.74	44.53	54.00	9.47 Average
2	11650.00	38.30	1.89	34.40	49.31	55.10	74.00	18.90 Peak
3	17475.00	44.12	2.30	33.91	45.37	57.88	68.20	10.32 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.



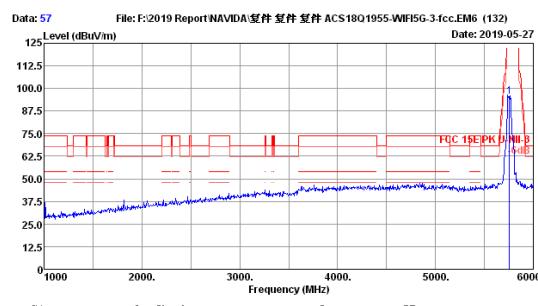
Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode



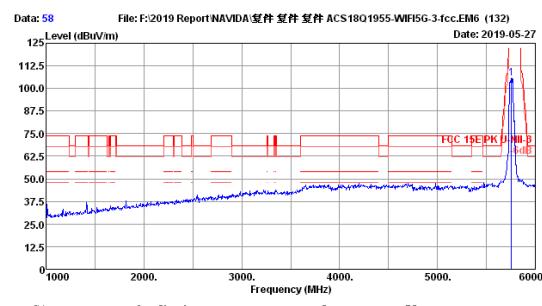
Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11650.00	38.30	1.89	34.40	36.88	42.67	54.00	11.33 Average
2	11650.00	38.30	1.89	34.40	47.45	53.24	74.00	20.76 Peak
3	17475.00	44.12	2.30	33.91	45.43	57.94	68.20	10.26 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.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode



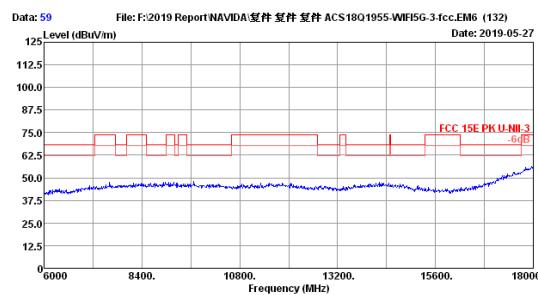
Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.07	1.35	34.25	94.40	95.57	-----	-----	Peak	-----	-----	-----

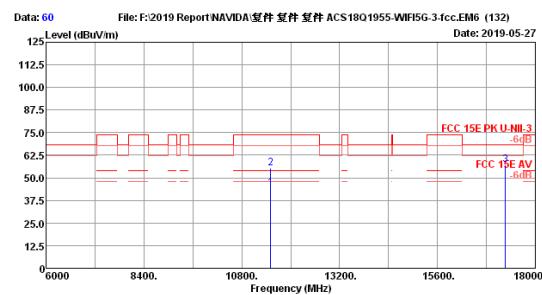
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.07	1.35	34.25	104.34	105.51	-----	-----	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. : 59
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

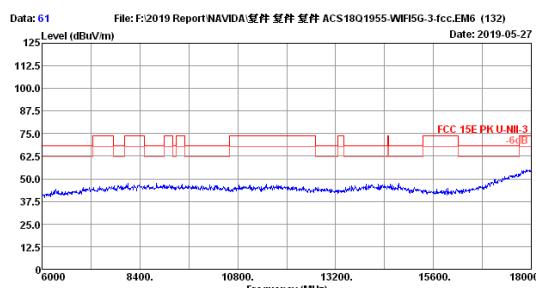


Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

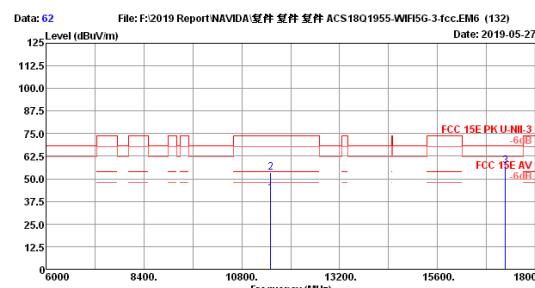
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.30	1.88	34.40	38.63	44.41	54.00	9.59	Average	-----	-----	-----
2	11510.00	38.30	1.88	34.40	49.64	55.42	74.00	18.58	Peak	-----	-----	-----
3	17265.00	43.64	2.29	33.99	45.45	57.39	68.20	10.81	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: VOB-P2571



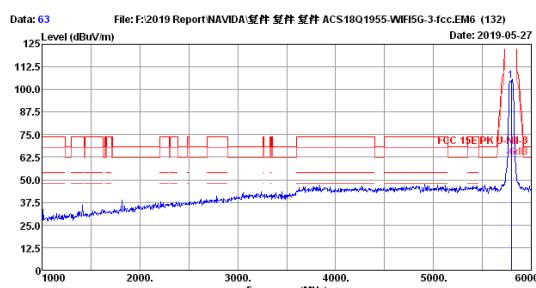
Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode



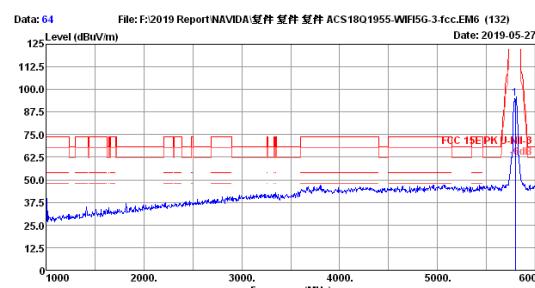
Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	11510.00	38.30	1.88	34.40	36.39	42.17	54.00	11.83	Average
2	11510.00	38.30	1.88	34.40	47.82	53.60	74.00	20.40	Peak
3	17265.00	43.64	2.29	33.99	45.44	57.38	68.20	10.82	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. : 63
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode



Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode

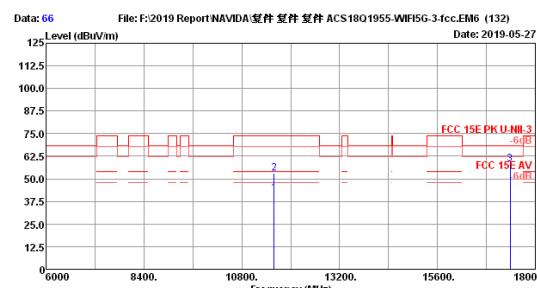
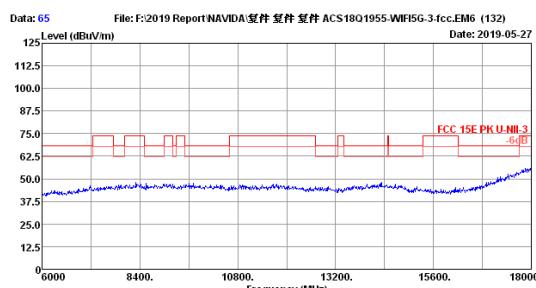
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5795.00	34.16	1.36	34.24	103.36	104.64	-----	-----	Peak

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.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	5795.00	34.16	1.36	34.24	93.81	95.09	-----	-----	Peak

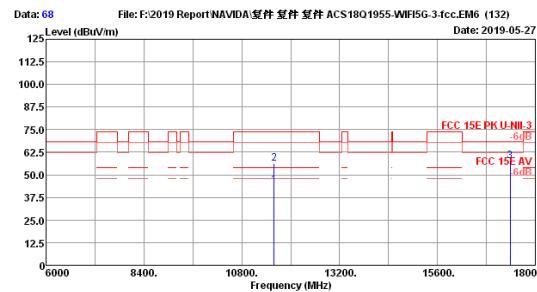
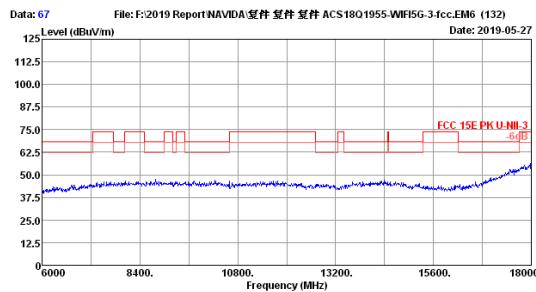
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11590.00	38.30	1.89	34.40	36.37	42.16	54.00	11.84 Average
2	11590.00	38.30	1.89	34.40	47.25	53.04	74.00	20.96 Peak
3	17385.00	43.92	2.30	33.94	45.66	57.94	68.20	10.26 Peak

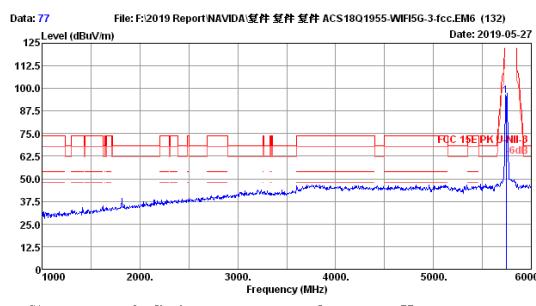
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



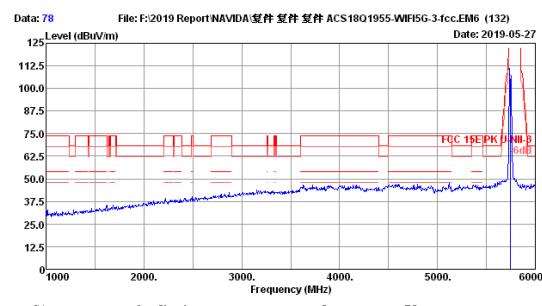
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11590.00	38.30	1.89	34.40	38.39	44.18	54.00	9.82 Average
2	11590.00	38.30	1.89	34.40	50.39	56.18	74.00	17.82 Peak
3	17385.00	43.92	2.30	33.94	45.49	57.77	68.20	10.43 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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode



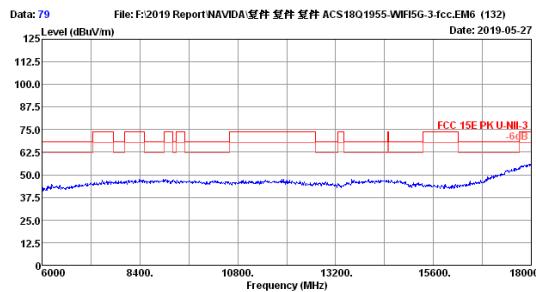
Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5745.00	34.03	1.35	34.25	94.84	95.97	-----	----- Peak

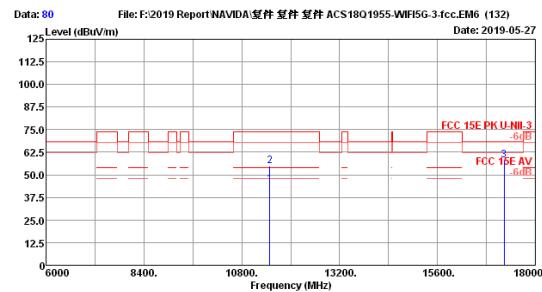
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5745.00	34.03	1.35	34.25	104.61	105.74	-----	----- 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. : 79
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

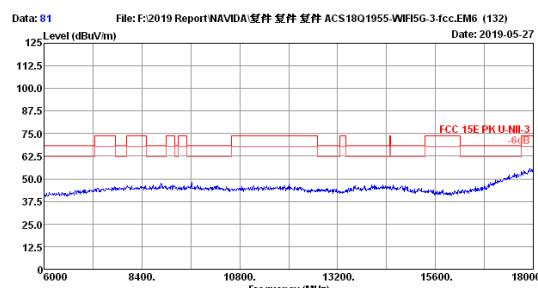


Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

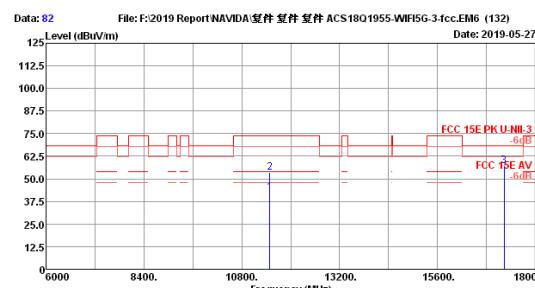
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11490.00	38.30	1.87	34.40	38.94	44.71	54.00	9.29 Average
2	11490.00	38.30	1.87	34.40	49.28	55.05	74.00	18.95 Peak
3	17235.00	43.56	2.29	34.01	46.06	57.90	68.20	10.30 Peak

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: VOB-P2571



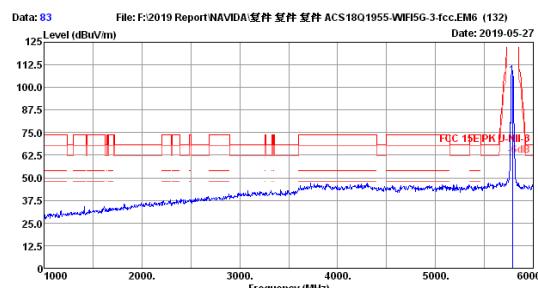
Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode



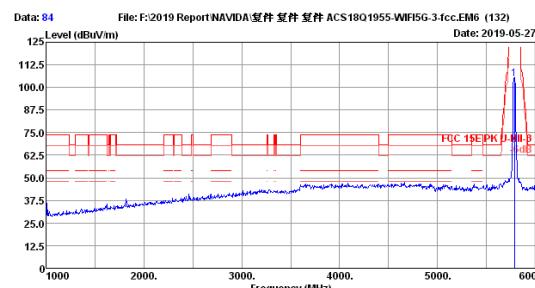
Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.00	38.30	1.87	34.40	36.50	42.27	54.00	11.73 Average
2	11490.00	38.30	1.87	34.40	47.79	53.56	74.00	20.44 Peak
3	17235.00	43.56	2.29	34.01	45.15	56.99	68.20	11.21 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. : 83
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode



Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode

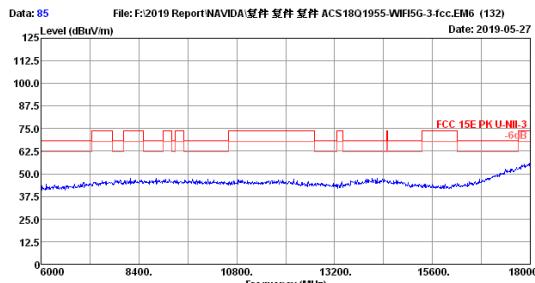
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	34.12	1.36	34.24	105.35	106.59	-----	Peak

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.

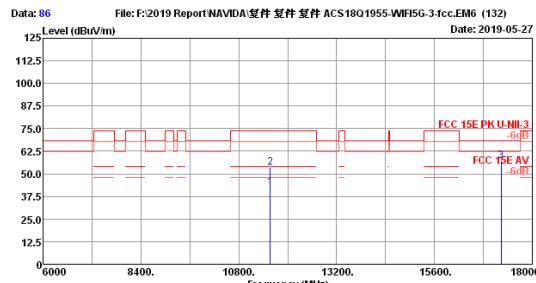
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	34.12	1.36	34.24	103.31	104.55	-----	Peak

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: VOB-P2571



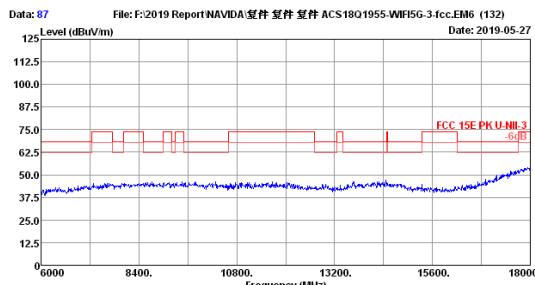
Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode



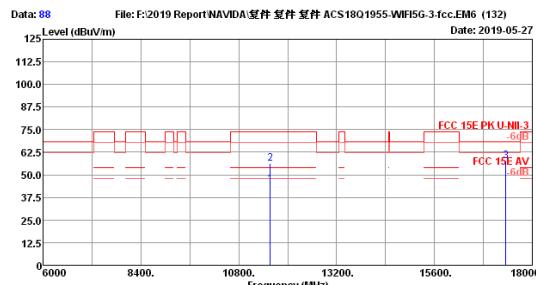
Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.30	1.88	34.40	36.49	42.27	54.00	11.73	Average
2	11570.00	38.30	1.88	34.40	47.75	53.53	74.00	20.47	Peak
3	17235.00	43.56	2.29	34.01	45.56	57.40	68.20	10.80	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. : 87
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode

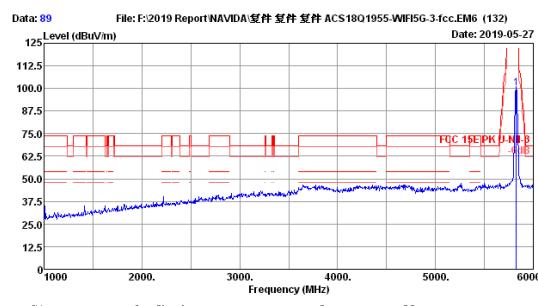


Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH157 5785MHz Tx Mode

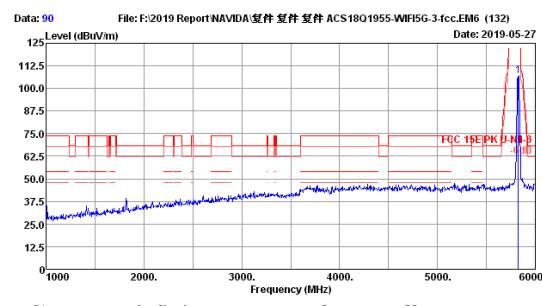
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.00	38.30	1.88	34.40	39.06	44.84	54.00	9.16	Average
2	11570.00	38.30	1.88	34.40	50.61	56.39	74.00	17.61	Peak
3	17355.00	43.84	2.30	33.96	45.27	57.45	68.20	10.75	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: VOB-P2571



Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode



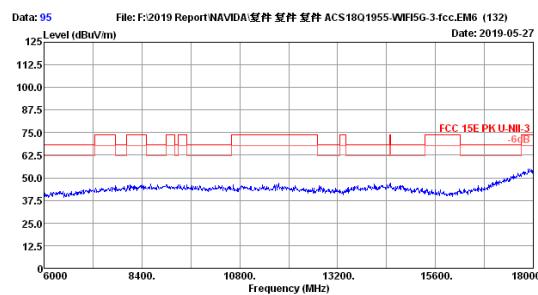
Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	98.49	99.87	-----	----- Peak

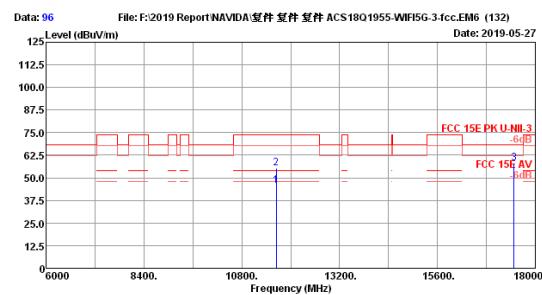
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5825.00	34.25	1.36	34.23	105.46	106.84	-----	----- 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. : 95
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

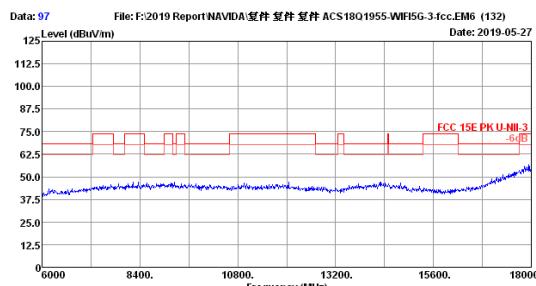


Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 15E PK U-NII-3 Pre :
 Env. / Ins. : 23°C/54% Engineer : Lynn
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

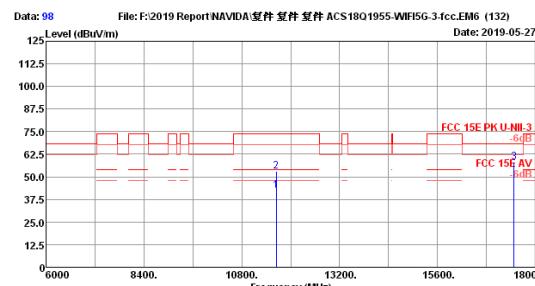
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11650.00	38.30	1.89	34.40	39.69	45.48	54.00	8.52 Average
2	11650.00	38.30	1.89	34.40	49.78	55.57	74.00	18.43 Peak
3	17475.00	44.12	2.30	33.91	45.69	58.20	68.20	10.00 Peak

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.

FCC ID: VOB-P2571



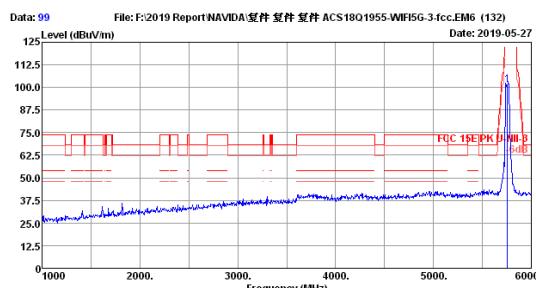
Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode



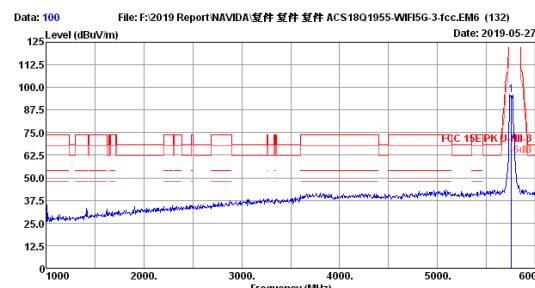
Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.00	38.30	1.89	34.40	36.74	42.53	54.00	11.47	Average
2	11650.00	38.30	1.89	34.40	47.25	53.04	74.00	20.96	Peak
3	17475.00	44.12	2.30	33.91	45.41	57.92	68.20	10.28	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. : 99
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode



Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

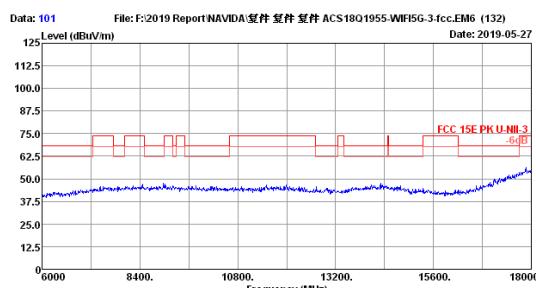
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.07	1.35	34.25	100.43	101.60	-----	-----	Peak

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.

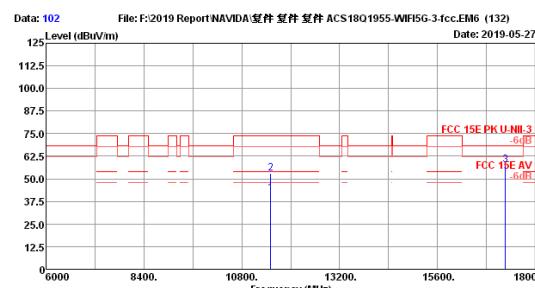
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	34.07	1.35	34.25	94.66	95.83	-----	-----	Peak

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.

FCC ID: VOB-P2571



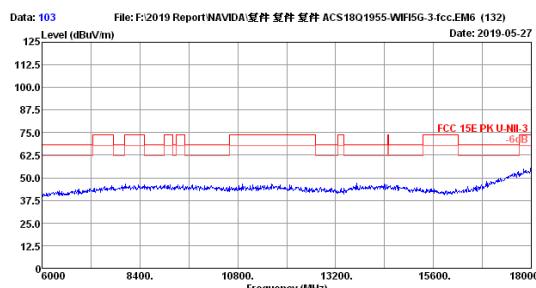
Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode



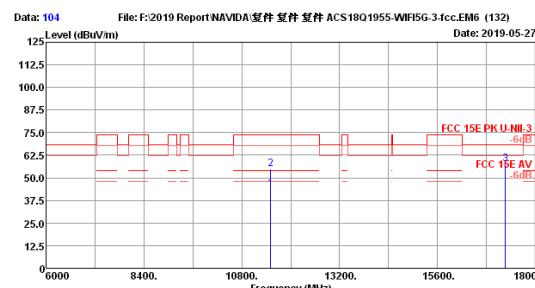
Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.00	38.30	1.88	34.40	36.34	42.12	54.00	11.88	Average
2	11510.00	38.30	1.88	34.40	47.16	52.94	74.00	21.06	Peak
3	17265.00	43.64	2.29	33.99	45.49	57.43	68.20	10.77	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.



Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

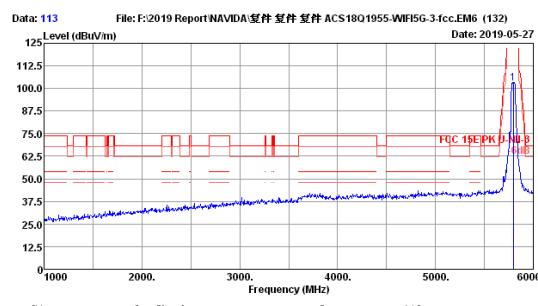


Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

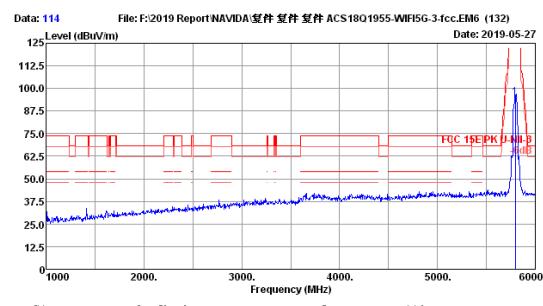
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	11510.00	38.30	1.88	34.40	38.17	43.95	54.00	10.05	Average
2	11510.00	38.30	1.88	34.40	49.26	55.04	74.00	18.96	Peak
3	17265.00	43.64	2.29	33.99	45.49	57.43	68.20	10.77	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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 113
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode



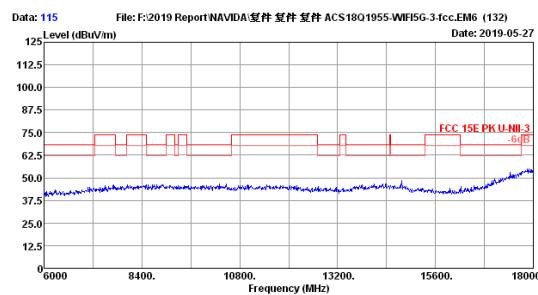
Site no. : 3m Chamber Data no. : 114
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5795.00	34.16	1.36	34.24	101.49	102.77	-----	----- Peak

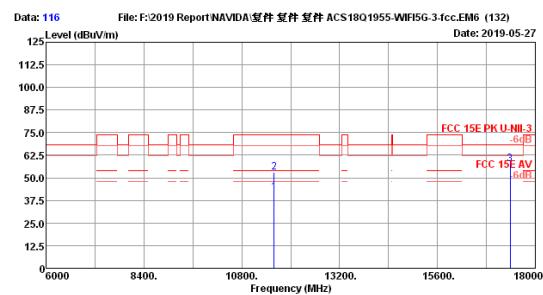
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5795.00	34.16	1.36	34.24	93.79	95.07	-----	----- 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. : 115
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

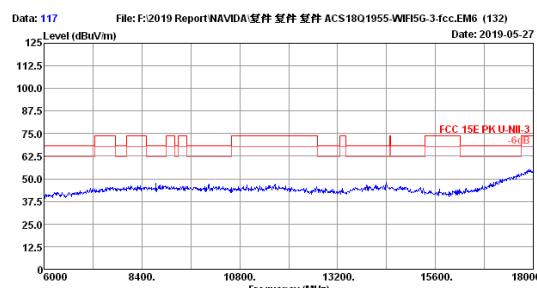


Site no. : 3m Chamber Data no. : 116
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

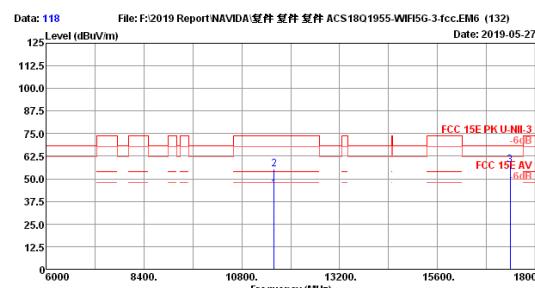
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11590.00	38.30	1.89	34.40	36.33	42.12	54.00	11.88 Average
2	11590.00	38.30	1.89	34.40	47.16	52.95	74.00	21.05 Peak
3	17385.00	43.92	2.30	33.94	45.44	57.72	68.20	10.48 Peak

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: VOB-P2571



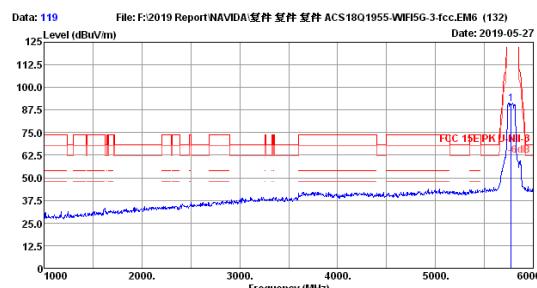
Site no. : 3m Chamber Data no. : 117
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode



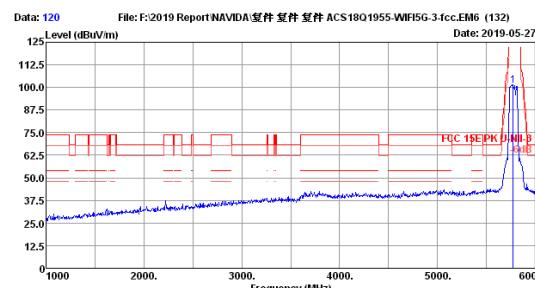
Site no. : 3m Chamber Data no. : 118
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	11590.00	38.30	1.89	34.40	38.32	44.11	54.00
2	11590.00	38.30	1.89	34.40	49.49	55.28	74.00
3	17385.00	43.92	2.30	33.94	45.48	57.76	68.20

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. : 119
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



Site no. : 3m Chamber Data no. : 120
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

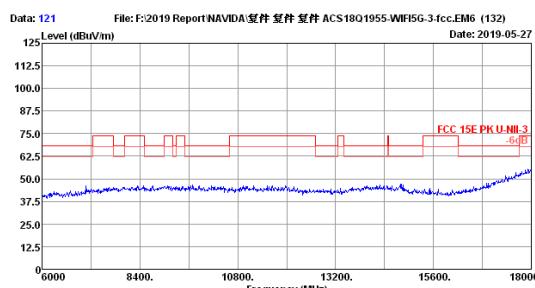
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5775.00	34.12	1.36	34.24	89.61	90.85	----- Peak

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.

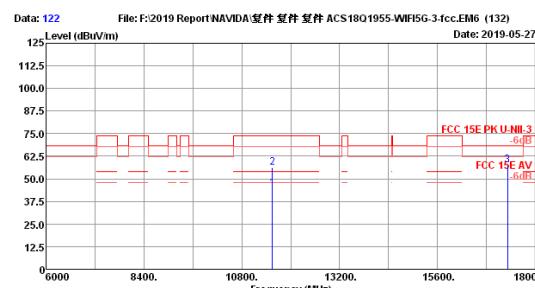
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission		
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)
1	5775.00	34.12	1.36	34.24	100.00	101.24	----- Peak

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.

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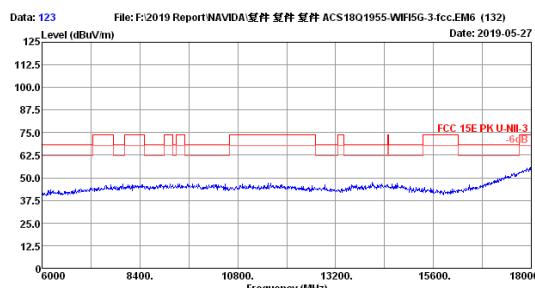
Site no. : 3m Chamber Data no. : 121
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



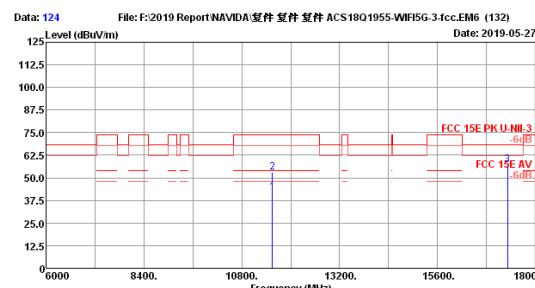
Site no. : 3m Chamber Data no. : 122
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11550.00	38.30	1.88	34.40	39.03	44.81	54.00	9.19 Average
2	11550.00	38.30	1.88	34.40	50.38	56.16	74.00	17.84 Peak
3	17325.00	43.76	2.30	33.97	45.48	57.57	68.20	10.63 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 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



Site no. : 3m Chamber Data no. : 124
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	11550.00	38.30	1.88	34.40	36.03	41.81	54.00	12.19 Average
2	11550.00	38.30	1.88	34.40	47.21	52.99	74.00	21.01 Peak
3	17325.00	43.76	2.30	33.97	45.27	57.36	68.20	10.84 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.

5. BAND EDGE COMPLIANCE TEST

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Sep.08,18	1 Year
2.	Amplifier	HP	8449B	3008A02495	Apr.23,19	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	May.30,18	1 Year
4.	RF Cable	EMCI	EMC102-KM-K M 3500	170702	May.13,19	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 transmitters operating in the 5.725-5.85 GHz band:All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

5.3. Test Procedure

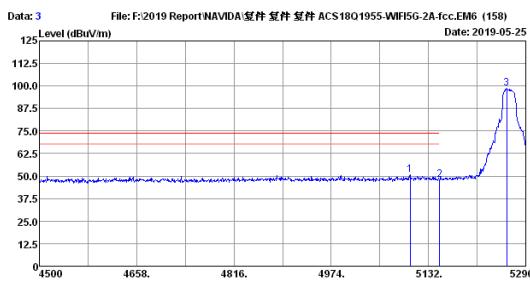
Use the test method described in ANSI C63.10 clause 6.10:

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.

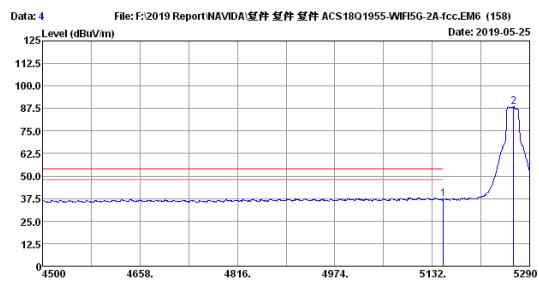
5.4. Test Results

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

U-NII-2A Band:



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti



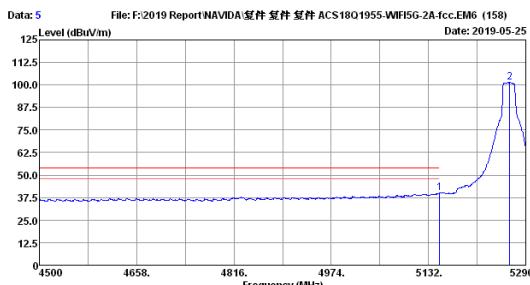
Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5101.98	33.40	1.28	34.38	50.34	50.64	74.00	23.36	Peak
2	5150.00	33.40	1.29	34.37	47.57	47.89	74.00	26.11	Peak
3	5259.19	33.40	1.30	34.35	98.16	98.51	-----	-----	Peak

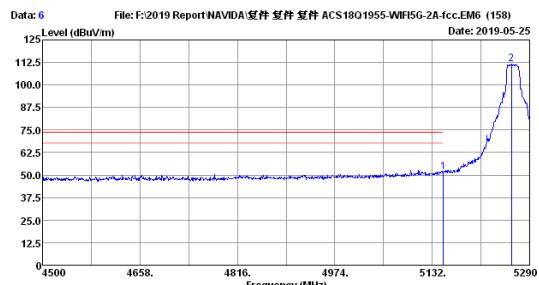
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.40	1.29	34.37	37.02	37.34	54.00	16.66	Average
2	5263.93	33.40	1.30	34.35	88.31	88.66	-----	-----	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. : 5
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti



Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box Power rating : AC 120V/60Hz
Test Mode : 11a 5260MHz Tx anti

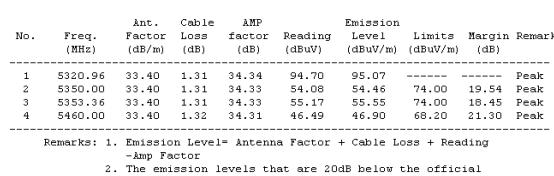
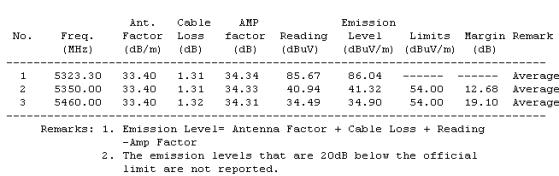
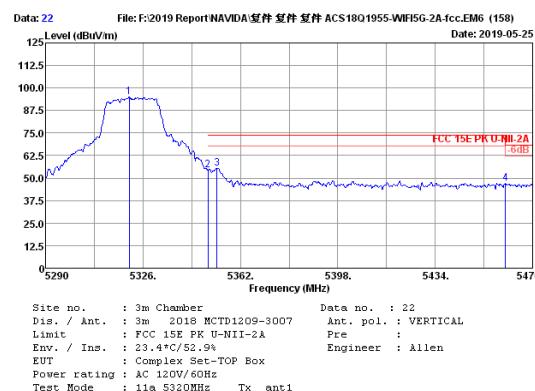
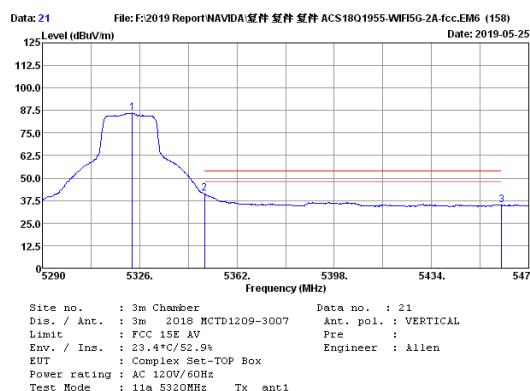
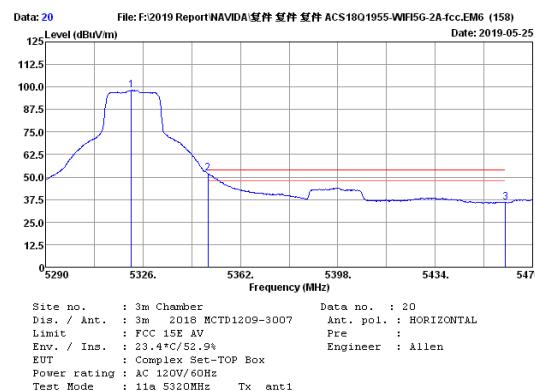
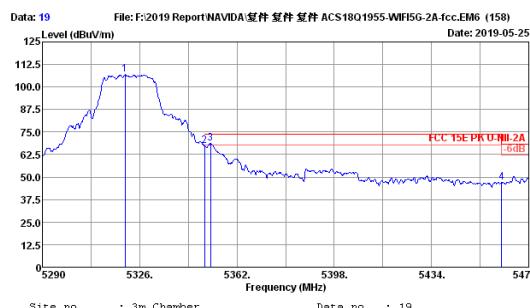
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.40	1.29	34.37	39.68	40.00	54.00	14.00	Average
2	5263.93	33.40	1.30	34.35	101.24	101.59	-----	-----	Peak

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.

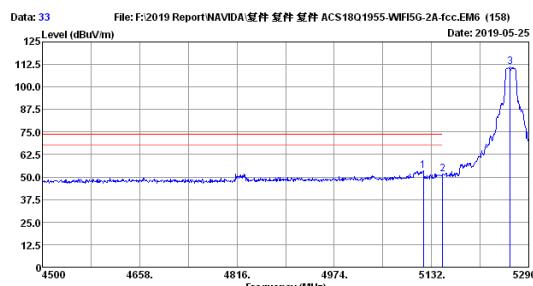
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	33.40	1.29	34.37	51.50	51.82	74.00	22.18	Peak
2	5260.77	33.40	1.30	34.35	111.20	111.55	-----	-----	Peak

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: VOB-P2571



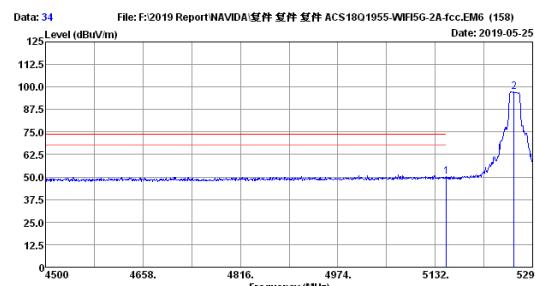
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5118.57	33.40	1.28	34.38	53.18	53.48	74.00	20.52	Peak
2	5150.00	33.40	1.29	34.37	51.11	51.43	74.00	22.57	Peak
3	5259.98	33.40	1.30	34.35	110.62	110.97	-----	-----	Peak

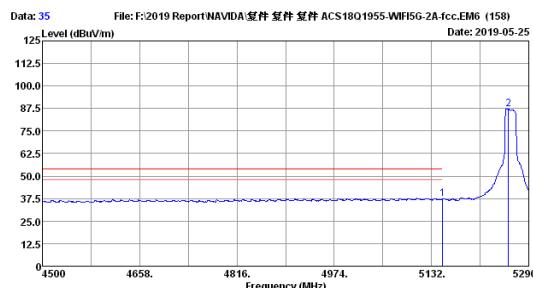
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5150.00	33.40	1.29	34.37	49.96	50.28	74.00	23.72	Peak
2	5259.98	33.40	1.30	34.35	97.04	97.39	-----	-----	Peak

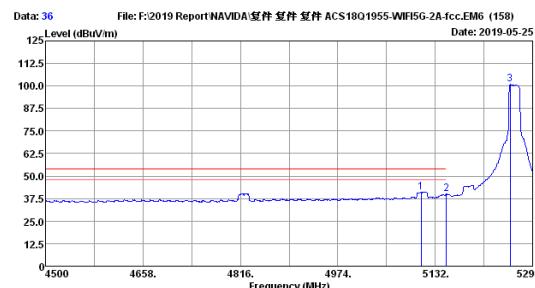
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5150.00	33.40	1.29	34.37	37.11	37.43	54.00	16.57	Average
2	5256.82	33.40	1.30	34.35	86.98	87.33	-----	-----	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.

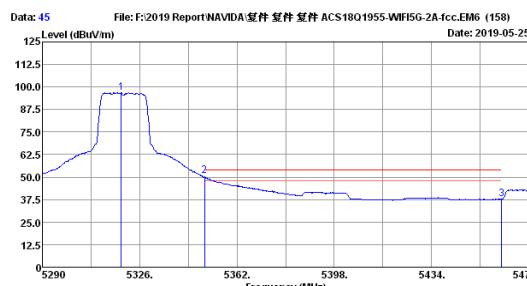


Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a S260MHz Tx ant2

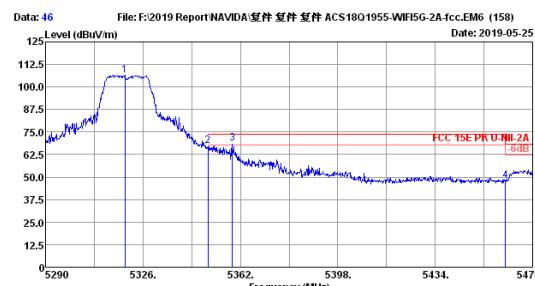
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5109.09	33.40	1.28	34.38	40.86	41.16	54.00	12.84	Average
2	5150.00	33.40	1.29	34.37	39.62	39.94	54.00	14.06	Average
3	5253.66	33.40	1.30	34.35	100.47	100.82	-----	-----	Average

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.

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Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz Test Mode : 11a 5320MHz Tx ant2
Test Mode : 11a 5320MHz Tx ant2



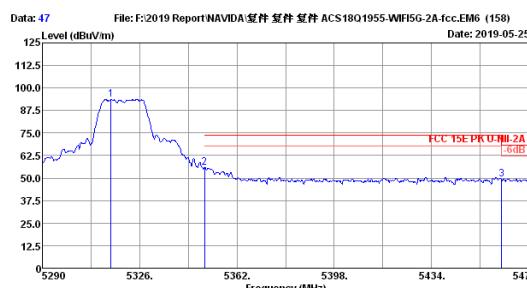
Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz Test Mode : 11a 5320MHz Tx ant2
Test Mode : 11a 5320MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.16	33.40	1.31	34.34	96.42	96.79	-----	-----	Average
2	5350.00	33.40	1.31	34.33	50.51	50.89	54.00	3.11	Average
3	5460.00	33.40	1.32	34.31	37.33	37.74	54.00	16.26	Average

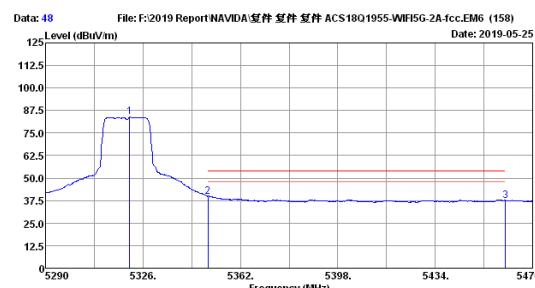
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.34	33.40	1.31	34.34	106.06	106.43	-----	-----	Peak
2	5350.00	33.40	1.31	34.33	66.84	67.22	74.00	6.78	Peak
3	5359.12	33.40	1.31	34.33	68.37	68.75	74.00	5.25	Peak
4	5460.00	33.40	1.32	34.31	47.54	47.95	68.20	20.25	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. : 47
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz Test Mode : 11a 5320MHz Tx ant2
Test Mode : 11a 5320MHz Tx ant2



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz Test Mode : 11a 5320MHz Tx ant2
Test Mode : 11a 5320MHz Tx ant2

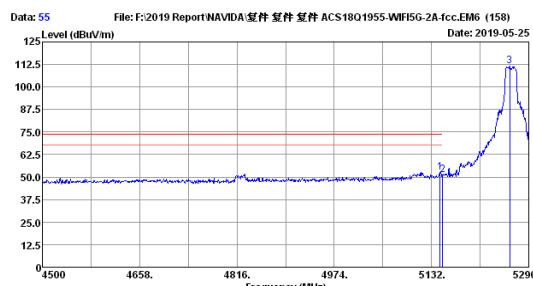
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5315.38	33.40	1.31	34.34	93.15	93.52	-----	-----	Peak
2	5350.00	33.40	1.31	34.33	55.21	55.59	74.00	18.41	Peak
3	5460.00	33.40	1.32	34.31	48.76	49.17	68.20	19.03	Peak

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.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5321.14	33.40	1.31	34.34	83.44	83.81	-----	-----	Average
2	5350.00	33.40	1.31	34.33	39.49	39.87	54.00	14.13	Average
3	5460.00	33.40	1.32	34.31	37.08	37.49	54.00	16.51	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.

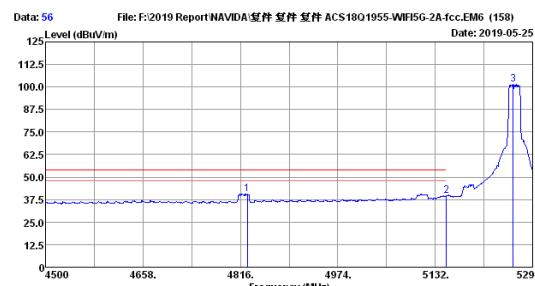
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S260MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5146.22	33.40	1.29	34.37	52.38	52.70	74.00	21.30	Peak		
2	5150.00	33.40	1.29	34.37	50.76	51.08	74.00	22.92	Peak		
3	5259.19	33.40	1.30	34.35	111.08	111.43	-----	-----	Peak		

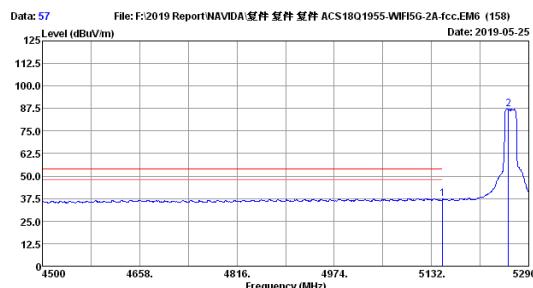
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S260MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	4827.06	33.06	1.25	34.37	40.78	40.72	54.00	13.28	Average		
2	5150.00	33.40	1.29	34.37	39.24	39.56	54.00	14.44	Average		
3	5258.40	33.40	1.30	34.35	101.06	101.41	-----	-----	Average		

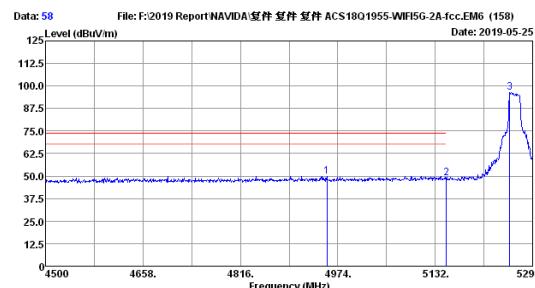
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S260MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	37.17	37.49	54.00	16.51	Average		
2	5256.82	33.40	1.30	34.35	86.99	87.34	-----	-----	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.

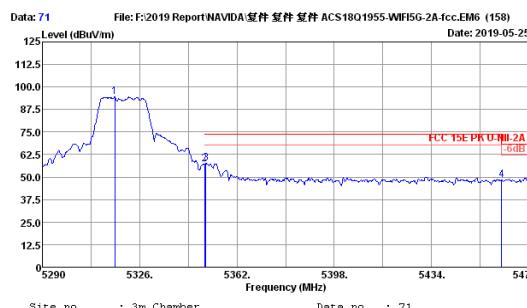


Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S260MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	4956.62	33.33	1.27	34.39	49.80	50.01	74.00	23.99	Peak		
2	5150.00	33.40	1.29	34.37	48.66	48.98	74.00	25.02	Peak		
3	5252.87	33.40	1.30	34.35	95.97	96.32	-----	-----	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.

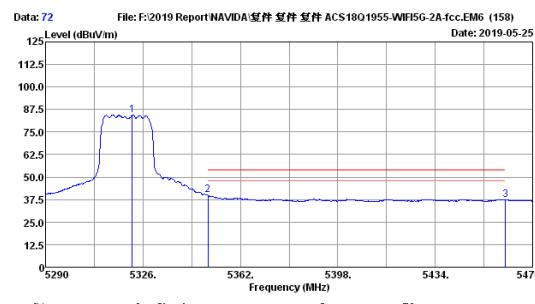
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PR U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S320MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5316.82	33.40	1.31	34.34	94.12	94.49	—	—	Peak
2	5350.00	33.40	1.31	34.33	56.92	57.30	74.00	16.70	Peak
3	5350.48	33.40	1.31	34.33	57.06	57.44	74.00	16.56	Peak
4	5460.00	33.40	1.32	34.31	47.84	48.25	68.20	19.95	Peak

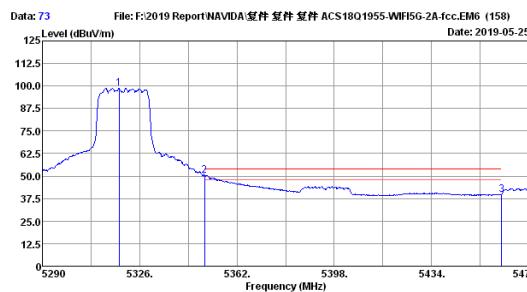
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S320MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5322.04	33.40	1.31	34.34	84.04	84.41	—	—	Average
2	5350.00	33.40	1.31	34.33	39.57	39.95	54.00	14.05	Average
3	5460.00	33.40	1.32	34.31	36.78	37.19	54.00	16.81	Average

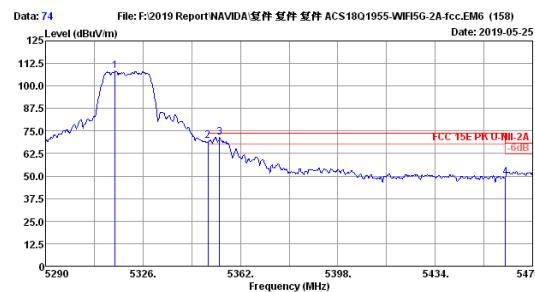
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S320MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5318.44	33.40	1.31	34.34	98.23	98.60	—	—	Average
2	5350.00	33.40	1.31	34.33	50.00	50.38	54.00	3.62	Average
3	5460.00	33.40	1.32	34.31	39.33	39.74	54.00	14.26	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.

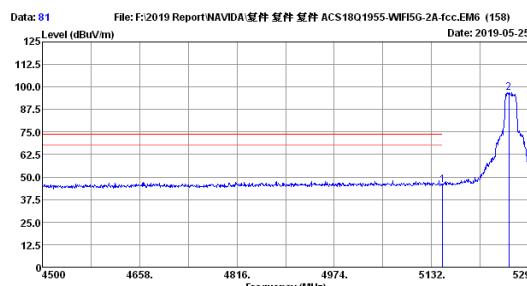


Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PR U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 S320MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5315.74	33.40	1.31	34.34	107.85	108.22	—	—	Peak
2	5350.00	33.40	1.31	34.33	69.41	69.79	74.00	4.21	Peak
3	5354.26	33.40	1.31	34.33	71.32	71.70	74.00	2.30	Peak
4	5460.00	33.40	1.32	34.31	48.98	49.39	68.20	18.81	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.

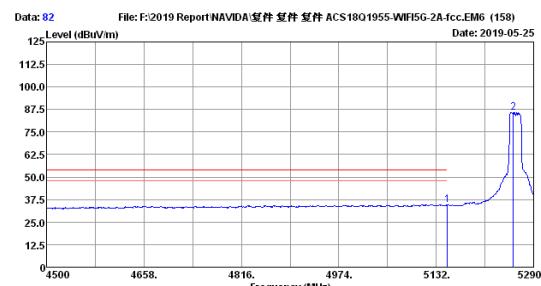
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 S260MHz Tx

No.	Freq. (MHz)	Ant.			Cable			AMP			Emission				
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	45.21	45.53	74.00	28.47	Peak	-----	-----	Peak	-----	-----	-----
2	5257.61	33.40	1.30	34.35	96.58	96.93	-----	-----	Peak	-----	-----	Peak	-----	-----	-----

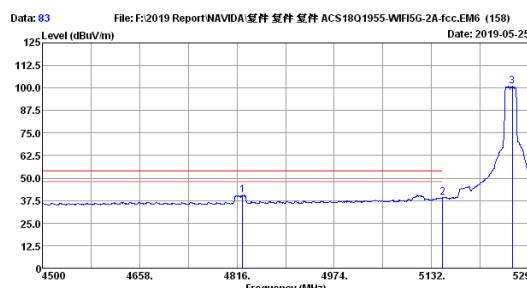
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 S260MHz Tx

No.	Freq. (MHz)	Ant.			Cable			AMP			Emission				
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	34.12	34.42	54.00	19.56	Average	-----	-----	-----	-----	-----	-----
2	5256.82	33.40	1.30	34.35	85.59	85.94	-----	-----	Average	-----	-----	-----	-----	-----	-----

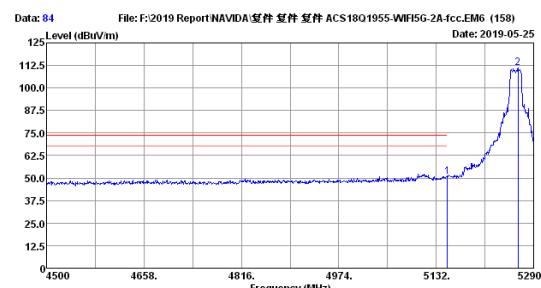
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 S260MHz Tx

No.	Freq. (MHz)	Ant.			Cable			AMP			Emission				
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	4825.48	33.06	1.25	34.37	40.70	40.64	54.00	13.36	Average	-----	-----	-----	-----	-----	-----
2	5150.00	33.40	1.29	34.37	38.94	39.26	54.00	14.74	Average	-----	-----	-----	-----	-----	-----
3	5263.14	33.40	1.30	34.35	100.55	100.90	-----	-----	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.

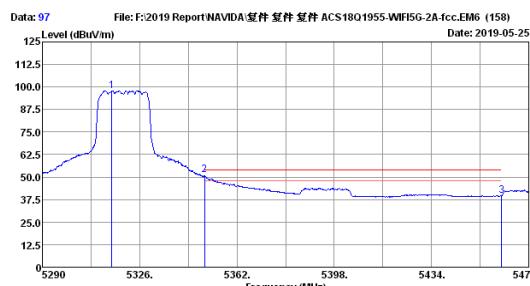


Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 S260MHz Tx

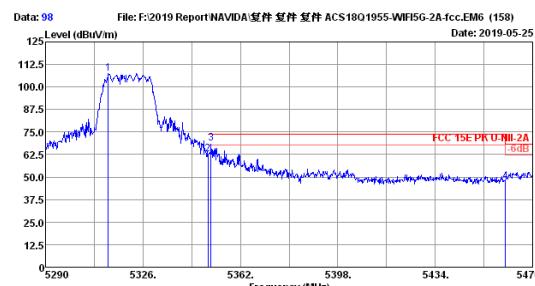
No.	Freq. (MHz)	Ant.			Cable			AMP			Emission				
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	50.62	50.94	74.00	23.06	Peak	-----	-----	-----	-----	-----	-----
2	5264.72	33.40	1.30	34.35	110.67	111.02	-----	-----	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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 S320MHz Tx



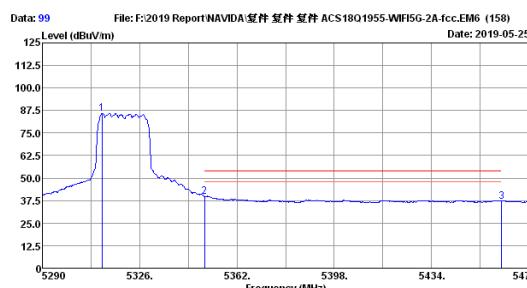
Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PR U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 S320MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5315.74	33.40	1.31	34.34	97.61	97.98	—	—	Average
2	5350.00	33.40	1.31	34.33	50.82	51.20	54.00	2.80	Average
3	5460.00	33.40	1.32	34.31	39.08	39.49	54.00	14.51	Average

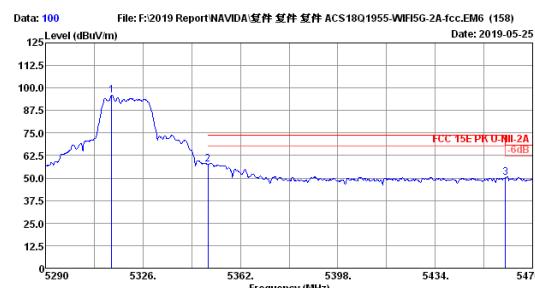
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5313.22	33.40	1.31	34.34	107.00	107.37	—	—	Peak
2	5350.00	33.40	1.31	34.33	62.20	62.58	74.00	11.42	Peak
3	5351.20	33.40	1.31	34.33	68.31	68.69	74.00	5.31	Peak
4	5460.00	33.40	1.32	34.31	47.14	47.55	68.20	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. : 99
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 S320MHz Tx



Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PR U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 S320MHz Tx

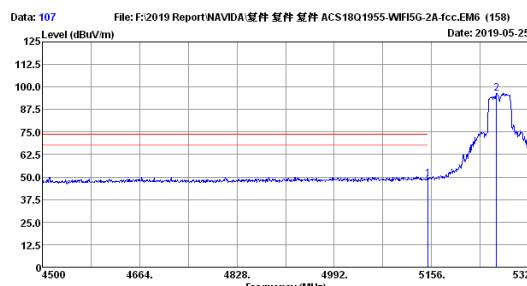
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5312.14	33.40	1.31	34.34	85.64	86.01	—	—	Average
2	5350.00	33.40	1.31	34.33	39.49	39.87	54.00	14.13	Average
3	5460.00	33.40	1.32	34.31	36.71	37.12	54.00	16.88	Average

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. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5314.48	33.40	1.31	34.34	95.45	95.82	—	—	Peak
2	5350.00	33.40	1.31	34.33	57.23	57.61	74.00	16.39	Peak
3	5460.00	33.40	1.32	34.31	49.79	50.20	68.20	18.00	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.

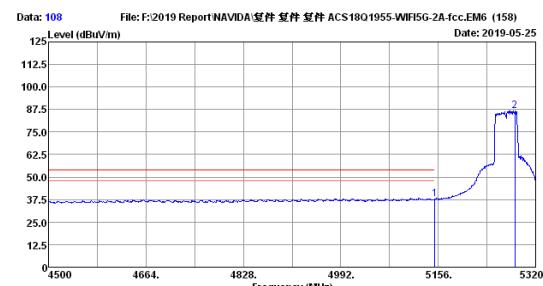
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S270MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	48.53	48.85	74.00	25.15 Peak
2	5265.88	33.40	1.30	34.35	96.02	96.37	-----	----- Peak

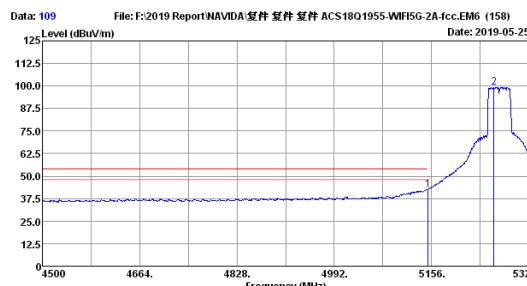
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S270MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	37.38	37.70	54.00	16.30 Average
2	5284.74	33.40	1.30	34.34	86.40	86.76	-----	----- Average

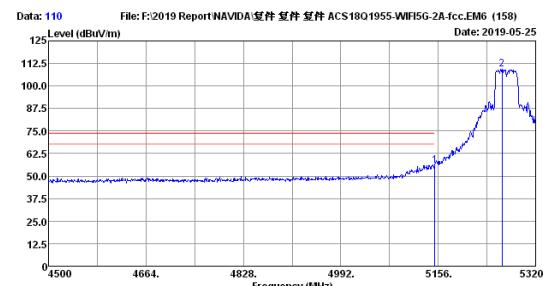
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 109
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S270MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	42.03	42.35	54.00	11.65 Average
2	5260.96	33.40	1.30	34.35	98.95	99.30	-----	----- 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.

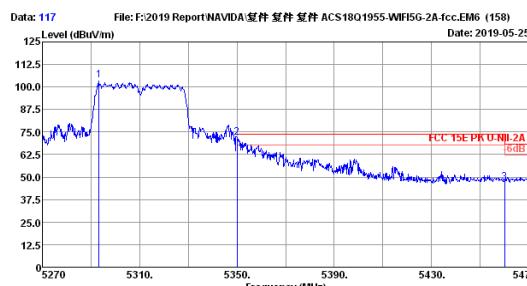


Site no. : 3m Chamber Data no. : 110
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S270MHz Tx

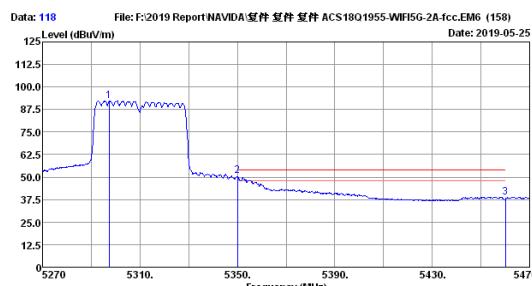
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	55.48	55.80	74.00	18.20 Peak
2	5263.42	33.40	1.30	34.35	108.96	109.31	-----	----- Peak

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: VOB-P2571



Site no. : 3m Chamber Data no. : 117
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S310MHz Tx



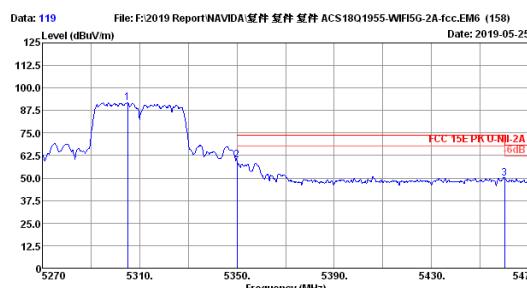
Site no. : 3m Chamber Data no. : 118
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S310MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5293.20	33.40	1.30	34.34	103.23	103.59	—	—	Peak
2	5350.00	33.40	1.31	34.33	71.55	71.93	74.00	2.07	Peak
3	5460.00	33.40	1.32	34.31	46.55	46.96	68.20	21.24	Peak

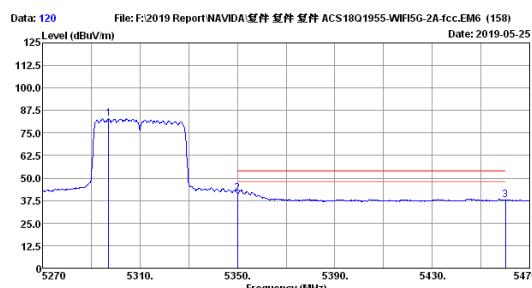
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5297.40	33.40	1.30	34.34	91.83	92.19	—	—	Average
2	5350.00	33.40	1.31	34.33	50.54	50.92	54.00	3.08	Average
3	5460.00	33.40	1.32	34.31	38.42	38.83	54.00	15.17	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. : 119
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S310MHz Tx



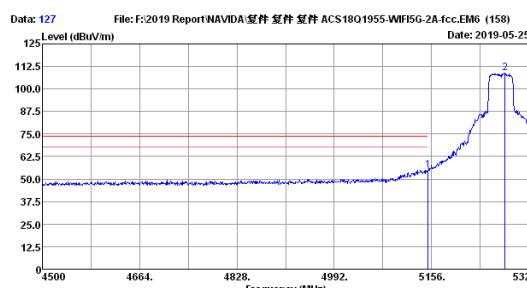
Site no. : 3m Chamber Data no. : 120
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 S310MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5305.00	33.40	1.30	34.34	91.59	91.95	—	—	Peak
2	5350.00	33.40	1.31	34.33	59.52	59.90	74.00	14.10	Peak
3	5460.00	33.40	1.32	34.31	49.49	49.90	68.20	18.30	Peak

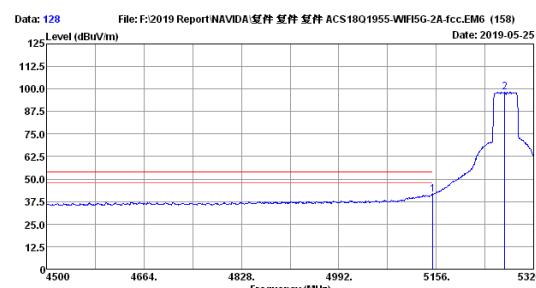
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5297.20	33.40	1.30	34.34	82.70	83.06	—	—	Average
2	5350.00	33.40	1.31	34.33	41.12	41.50	54.00	12.50	Average
3	5460.00	33.40	1.32	34.31	37.62	38.03	54.00	15.97	Average

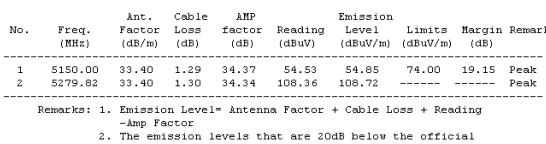
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571


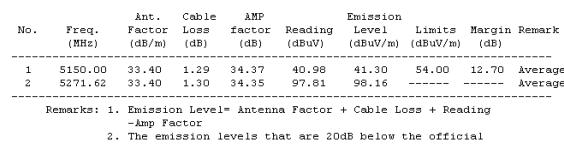
Site no. : 3m Chamber Data no. : 127
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 1SE AV Pre :
 Env. / Ins. : 23.4°C/52.9% Engineer : Allen
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : iliacVHT40 S270MHz Tx



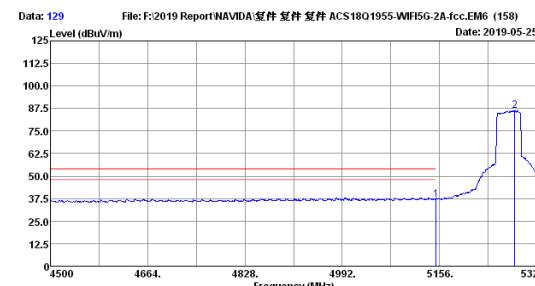
Site no. : 3m Chamber Data no. : 128
 Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC 1SE AV Pre :
 Env. / Ins. : 23.4°C/52.9% Engineer : Allen
 EUT : Complex Set-TOP Box
 Power rating : AC 120V/60Hz
 Test Mode : iliacVHT40 S270MHz Tx



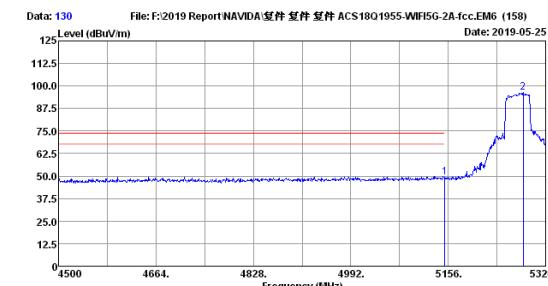
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



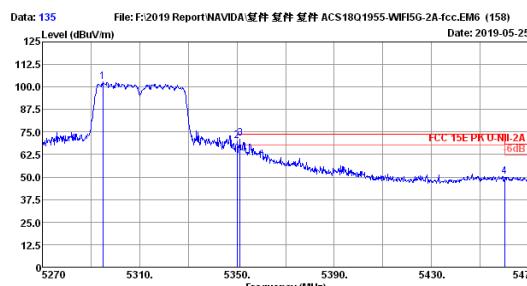
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



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



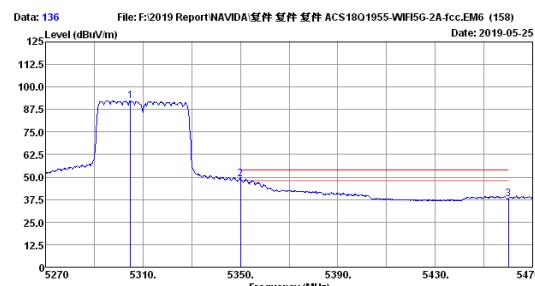
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 135
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5310MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5294.80	33.40	1.30	34.34	102.40	102.76	—	—	Peak
2	5350.00	33.40	1.31	34.33	69.53	69.91	74.00	4.09	Peak
3	5351.20	33.40	1.31	34.33	71.06	71.44	74.00	2.56	Peak
4	5460.00	33.40	1.32	34.31	50.06	50.47	68.20	17.73	Peak

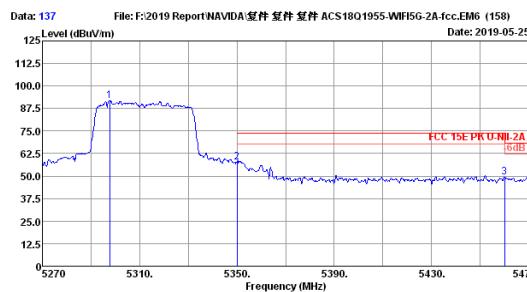
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5310MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5304.80	33.40	1.30	34.34	92.04	92.40	—	—	Average
2	5350.00	33.40	1.31	34.33	48.65	49.03	54.00	4.97	Average
3	5460.00	33.40	1.32	34.31	37.57	37.98	54.00	16.02	Average

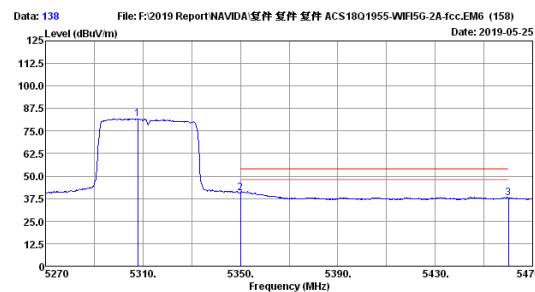
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 137
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5310MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5297.60	33.40	1.30	34.34	91.61	91.97	—	—	Peak
2	5350.00	33.40	1.31	34.33	57.10	57.48	74.00	16.52	Peak
3	5460.00	33.40	1.32	34.31	48.95	49.36	68.20	18.84	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.

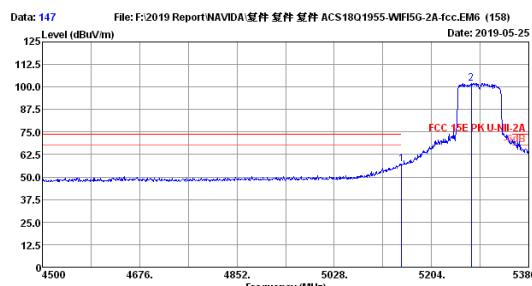


Site no. : 3m Chamber Data no. : 138
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5310MHz Tx

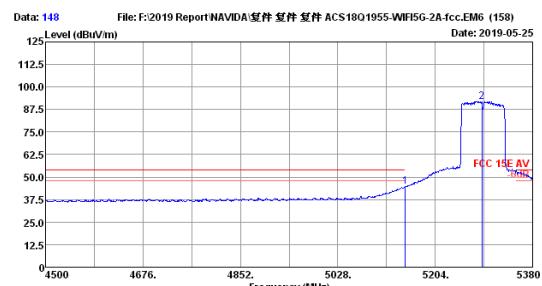
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5307.80	33.40	1.30	34.34	81.49	81.85	—	—	Average
2	5350.00	33.40	1.31	34.33	40.29	40.67	54.00	13.33	Average
3	5460.00	33.40	1.32	34.31	37.54	37.95	54.00	16.05	Average

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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 147
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx



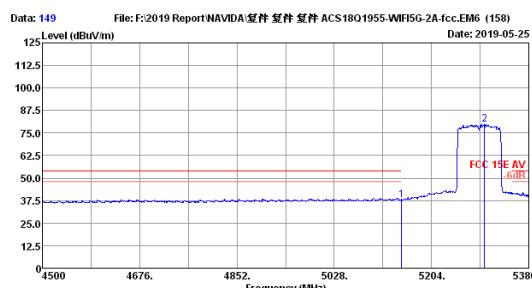
Site no. : 3m Chamber Data no. : 148
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	56.65	56.97	74.00	17.03 Peak
2	5276.16	33.40	1.30	34.34	101.80	102.16	-----	----- Peak

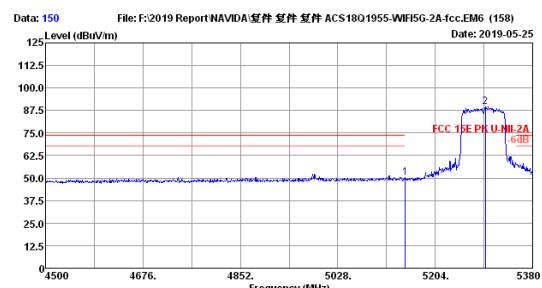
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	44.23	44.55	54.00	9.45 Average
2	5288.48	33.40	1.30	34.34	91.62	91.98	-----	----- 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. : 149
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx



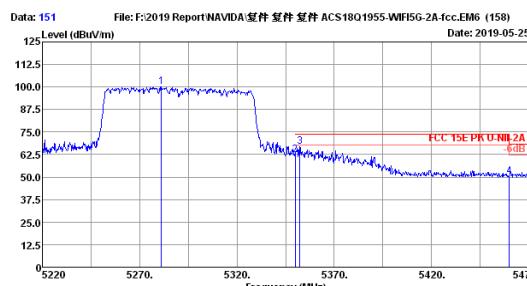
Site no. : 3m Chamber Data no. : 150
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	37.64	37.96	54.00	16.04 Average
2	5299.92	33.40	1.30	34.34	79.59	79.95	-----	----- 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. (dB/m)	Cable (dB)	AMP factor	Emission			
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5150.00	33.40	1.29	34.37	50.12	50.44	74.00	23.56 Peak
2	5294.64	33.40	1.30	34.34	89.21	89.57	-----	----- Peak

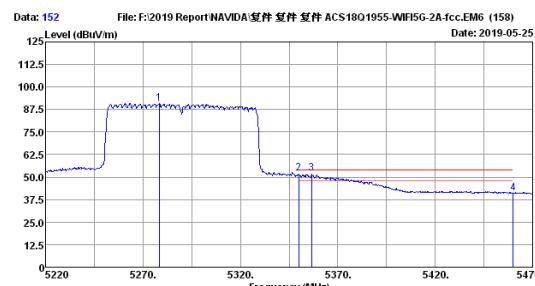
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 151
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5281.25	33.40	1.30	34.34	99.58	99.94	-----	-----	Peak
2	5350.00	33.40	1.31	34.33	61.71	62.09	74.00	11.91	Peak
3	5352.25	33.40	1.31	34.33	66.48	66.86	74.00	7.14	Peak
4	5460.00	33.40	1.32	34.31	49.69	50.10	68.20	18.10	Peak

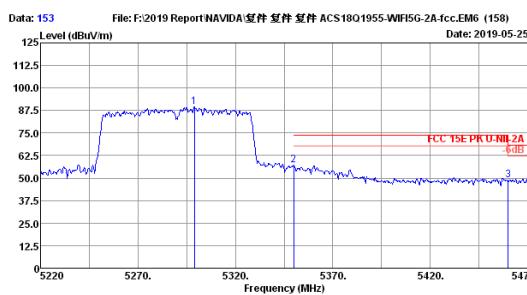
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 152
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5278.25	33.40	1.30	34.34	90.69	91.05	-----	-----	Average
2	5350.00	33.40	1.31	34.33	51.78	52.16	54.00	1.84	Average
3	5356.50	33.40	1.31	34.33	51.95	52.33	54.00	1.67	Average
4	5460.00	33.40	1.32	34.31	40.59	41.00	54.00	13.00	Average

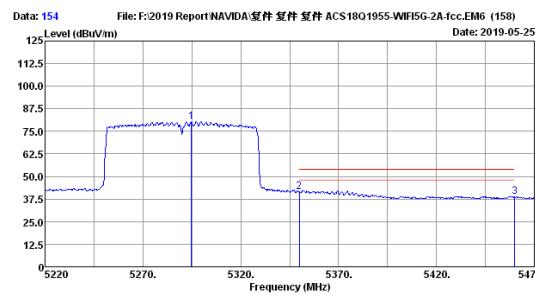
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 153
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2A Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5299.00	33.40	1.30	34.34	89.29	89.65	-----	-----	Peak
2	5350.00	33.40	1.31	34.33	56.72	57.10	74.00	16.90	Peak
3	5460.00	33.40	1.32	34.31	48.42	48.83	68.20	19.37	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.

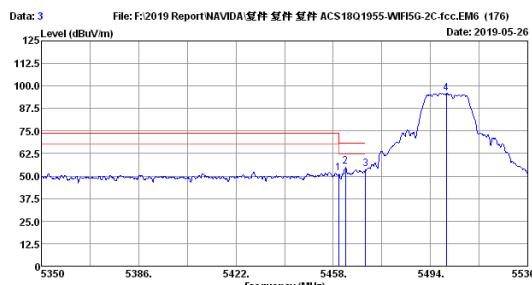


Site no. : 3m Chamber Data no. : 154
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 S290MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5294.75	33.40	1.30	34.34	79.97	80.33	-----	-----	Average
2	5350.00	33.40	1.31	34.33	41.15	41.53	54.00	12.47	Average
3	5460.00	33.40	1.32	34.31	38.12	38.53	54.00	15.47	Average

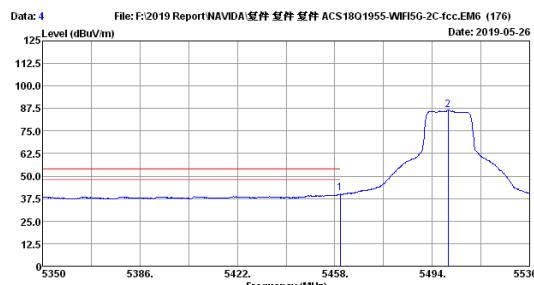
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: VOB-P2571

U-NII-2C Band:


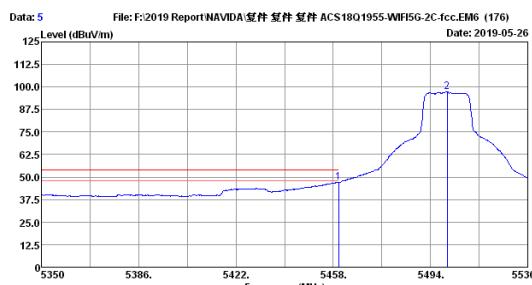
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	51.32	51.73	68.20	16.47	Peak
2	5462.50	33.40	1.32	34.31	54.88	55.29	68.20	12.91	Peak
3	5470.00	33.40	1.32	34.31	53.76	54.17	68.20	14.03	Peak
4	5499.94	33.40	1.33	34.30	95.50	95.93	-----	-----	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.



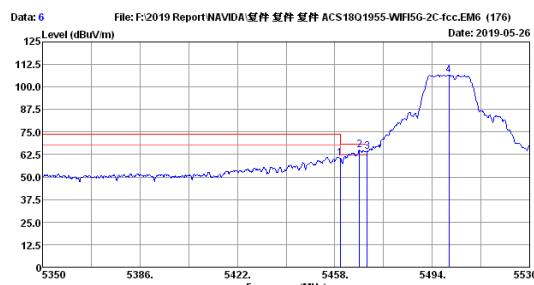
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.21	40.07	40.48	54.00	13.52	Average
2	5499.94	33.40	1.33	34.30	86.39	86.82	-----	-----	Average

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)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	46.77	47.18	54.00	6.82	Average
2	5500.12	33.40	1.33	34.30	97.05	97.48	-----	-----	Average

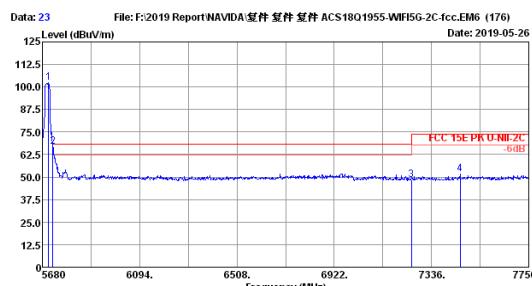
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	60.02	60.43	68.20	7.77	Peak
2	5467.18	33.40	1.32	34.31	64.50	64.91	68.20	3.29	Peak
3	5470.00	33.40	1.32	34.31	63.90	64.31	68.20	3.09	Peak
4	5500.12	33.40	1.33	34.30	106.21	106.64	-----	-----	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.

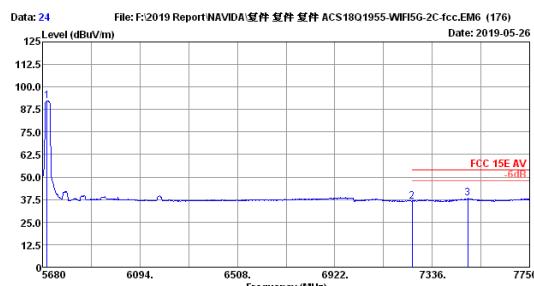
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5706.91	33.94	1.35	34.26	101.42	102.45	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	65.67	66.75	68.20	1.45	Peak
3	7250.00	35.96	1.49	34.55	45.65	48.55	68.20	19.65	Peak
4	7458.13	36.08	1.51	34.59	48.52	51.52	74.00	22.48	Peak

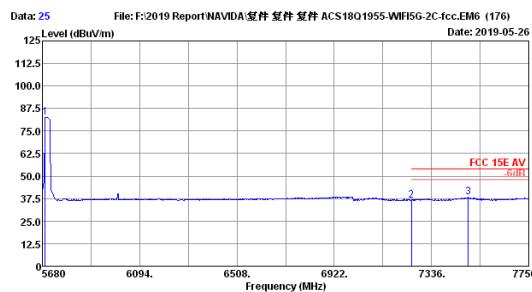
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5698.63	33.89	1.35	34.26	91.37	92.35	-----	-----	Average
2	7250.00	35.96	1.49	34.55	33.71	36.61	54.00	17.39	Average
3	7487.11	36.10	1.51	34.60	35.05	38.06	54.00	15.94	Average

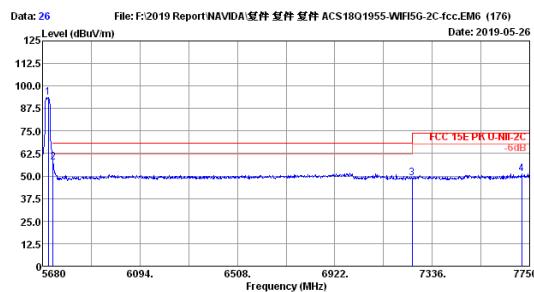
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5692.42	33.89	1.35	34.26	81.75	82.73	-----	-----	Average
2	7250.00	35.96	1.49	34.55	33.68	36.58	54.00	17.42	Average
3	7493.32	36.10	1.51	34.60	35.09	38.10	54.00	15.90	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.

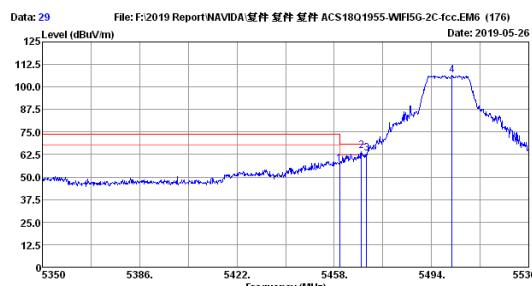


Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx anti

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5704.84	33.94	1.35	34.26	92.46	93.49	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	56.41	57.49	68.20	10.71	Peak
3	7250.00	35.96	1.49	34.55	46.22	49.12	68.20	19.08	Peak
4	7716.88	36.40	1.53	34.64	48.13	51.42	74.00	22.58	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.

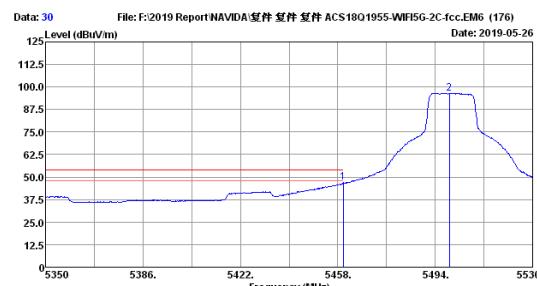
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1ia 5500MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	56.84	57.25	68.20	10.95	Peak
2	5468.08	33.40	1.32	34.31	64.02	64.43	68.20	3.77	Peak
3	5470.00	33.40	1.32	34.31	62.69	63.10	68.20	5.10	Peak
4	5501.56	33.40	1.33	34.30	105.97	106.40	-----	-----	Peak

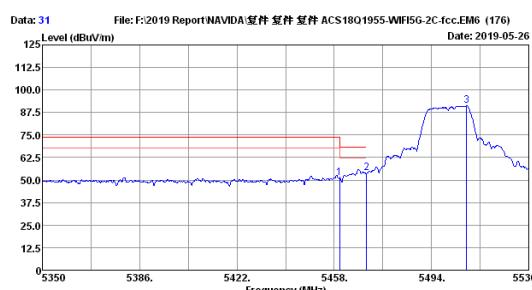
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1ia 5500MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	46.71	47.12	54.00	6.88	Average
2	5499.22	33.40	1.33	34.30	96.19	96.62	-----	-----	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. : 31
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1ia 5500MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	50.99	51.40	68.20	16.80	Peak
2	5470.00	33.40	1.32	34.31	53.45	53.86	68.20	14.34	Peak
3	5506.96	33.40	1.33	34.30	90.80	91.23	-----	-----	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.

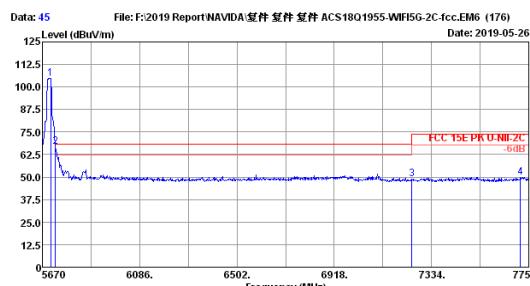


Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1ia 5500MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	37.77	38.18	54.00	15.82	Average
2	5505.88	33.40	1.33	34.30	80.78	81.21	-----	-----	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.

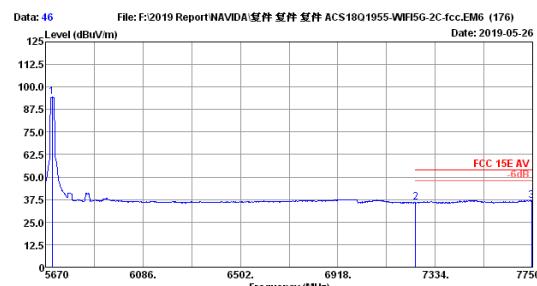
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level (dBuV)
1	5705.36	33.94	1.35	34.26	103.61	104.64	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	65.67	66.75	68.20	1.45	Peak
3	7250.00	35.96	1.49	34.55	45.87	48.77	68.20	19.43	Peak
4	7714.64	36.40	1.53	34.64	46.58	49.87	74.00	24.13	Peak

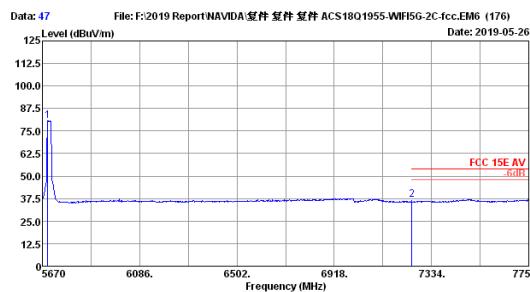
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level (dBuV)
1	5699.12	33.89	1.35	34.26	93.36	94.34	-----	-----	Average
2	7250.00	35.96	1.49	34.55	33.15	36.05	54.00	17.95	Average
3	7745.84	36.45	1.53	34.65	33.64	36.97	54.00	17.03	Average

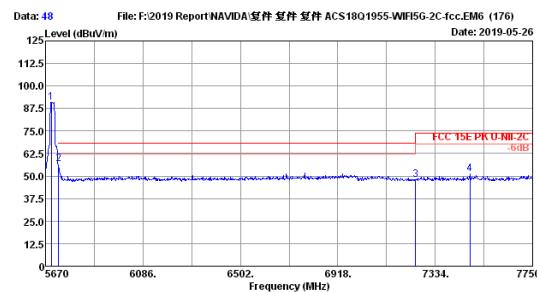
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level (dBuV)
1	5692.88	33.89	1.35	34.26	79.70	80.68	-----	-----	Average
2	7250.00	35.96	1.49	34.55	34.10	37.00	54.00	17.00	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.

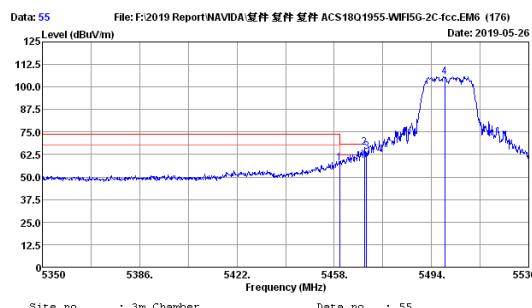


Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC TSE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11a 5700MHz Tx ant2

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level (dBuV)
1	5694.96	33.89	1.35	34.26	89.97	90.95	-----	-----	Peak
2	7250.00	33.98	1.35	34.25	55.58	56.66	68.20	11.54	Peak
3	7250.00	35.96	1.49	34.55	45.27	46.17	68.20	20.03	Peak
4	7481.68	36.09	1.51	34.59	48.31	51.32	74.00	22.68	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.

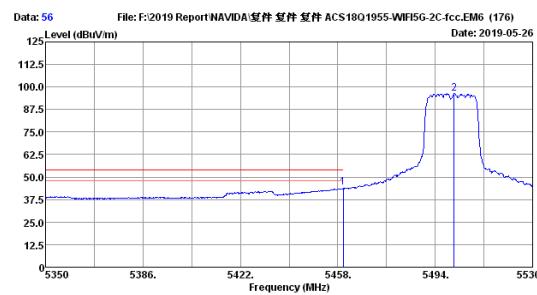
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5460.00	33.40	1.32	34.31	57.13	57.54	68.20	10.66	Peak
2	5469.16	33.40	1.32	34.31	65.88	66.29	68.20	1.91	Peak
3	5470.00	33.40	1.32	34.31	63.84	64.25	68.20	3.95	Peak
4	5498.86	33.40	1.33	34.30	105.38	105.81	-----	-----	Peak

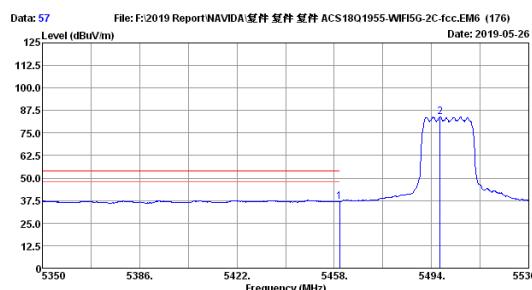
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5460.00	33.40	1.32	34.31	43.89	44.30	54.00	9.70	Average
2	5501.02	33.40	1.33	34.30	95.82	96.25	-----	-----	Average

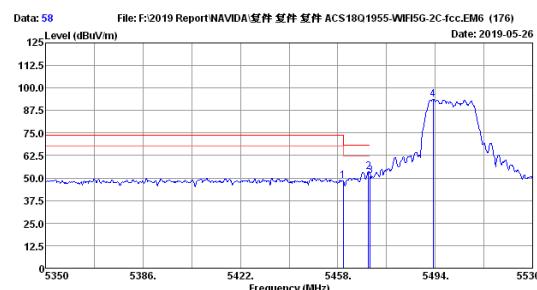
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5460.00	33.40	1.32	34.31	36.43	36.84	54.00	17.16	Average
2	5497.24	33.40	1.33	34.30	83.51	83.94	-----	-----	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.

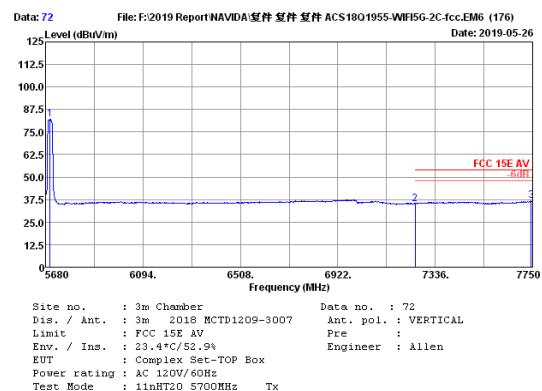
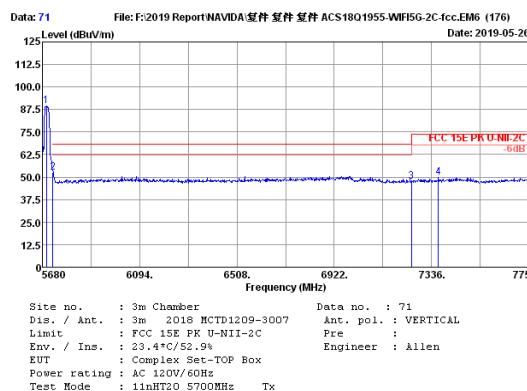


Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/S2.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5460.00	33.40	1.32	34.31	48.16	48.57	68.20	19.63	Peak
2	5469.34	33.40	1.32	34.31	53.17	53.58	68.20	14.62	Peak
3	5470.00	33.40	1.32	34.31	50.71	51.12	68.20	17.08	Peak
4	5493.28	33.40	1.32	34.30	93.34	93.76	-----	-----	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.

FCC ID: VOB-P2571

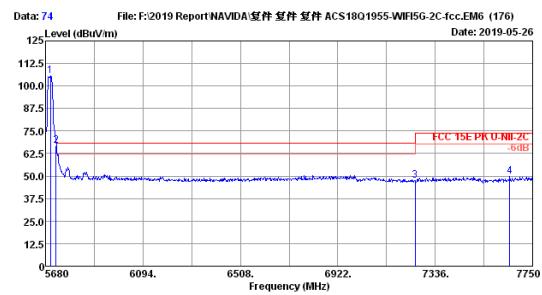
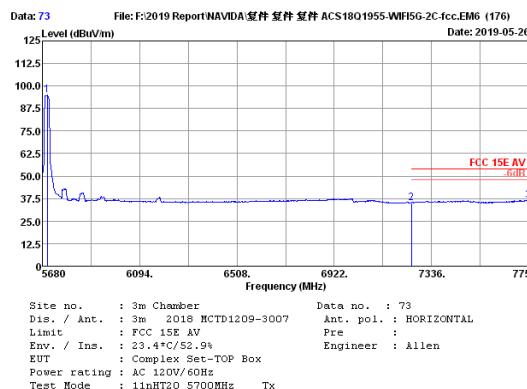


No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5696.56	33.89	1.35	34.26	88.49	89.47	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	51.43	52.51	68.20	15.69	Peak
3	7250.00	35.96	1.49	34.55	44.59	47.49	68.20	20.71	Peak
4	7364.98	36.02	1.50	34.57	46.75	49.70	74.00	24.30	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. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5698.63	33.89	1.35	34.26	81.28	82.26	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.32	35.22	54.00	18.78	Average
3	7743.79	36.45	1.53	34.65	33.36	36.69	54.00	17.31	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.



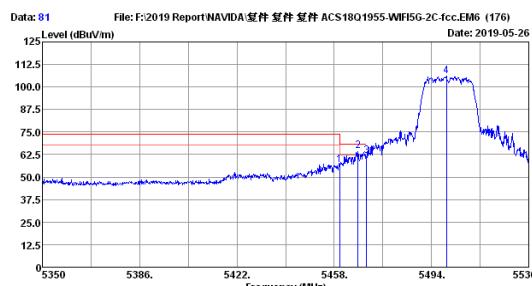
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	33.94	1.35	34.26	93.93	94.96	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.32	35.22	54.00	18.78	Average
3	7747.93	36.45	1.53	34.65	33.10	36.43	54.00	17.57	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.

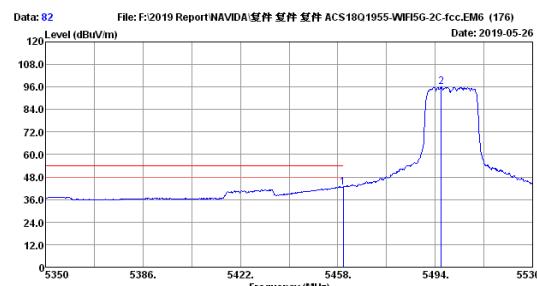
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.70	33.94	1.35	34.26	104.79	105.82	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	65.92	67.00	68.20	1.20	Peak
3	7250.00	35.96	1.49	34.55	44.55	47.45	68.20	20.75	Peak
4	7652.71	36.31	1.52	34.63	46.64	49.84	74.00	24.16	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: VOB-P2571



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5500MHz Tx



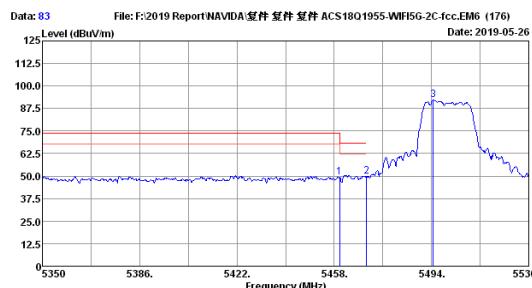
Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5500MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	56.10	56.51	68.20	11.69	Peak
2	5466.82	33.40	1.32	34.31	64.38	64.79	68.20	3.41	Peak
3	5470.00	33.40	1.32	34.31	61.46	61.87	68.20	6.33	Peak
4	5494.58	33.40	1.33	34.30	105.57	106.00	-----	-----	Peak

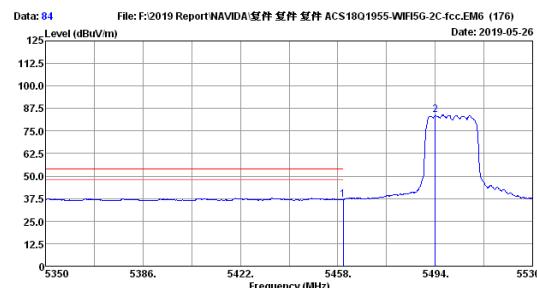
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	42.10	42.51	54.00	11.49	Average
2	5496.16	33.40	1.32	34.30	95.49	95.91	-----	-----	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. : 83
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5500MHz Tx



Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT20 5500MHz Tx

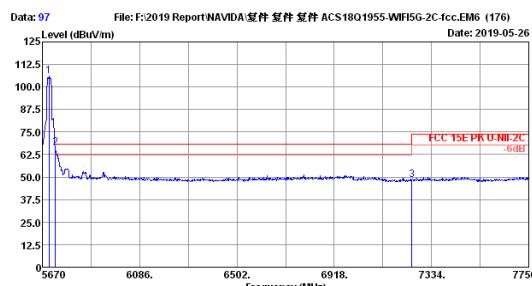
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	48.81	49.22	68.20	18.98	Peak
2	5470.00	33.40	1.32	34.31	49.24	49.65	68.20	18.55	Peak
3	5494.72	33.40	1.32	34.30	91.82	92.24	-----	-----	Peak

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.

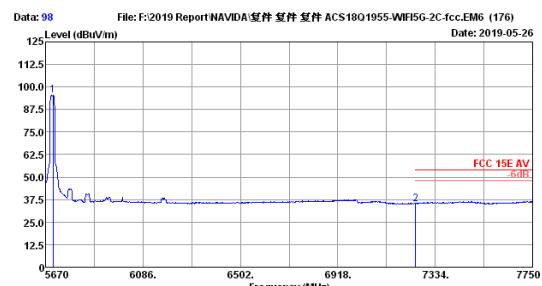
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	36.59	37.00	54.00	17.00	Average
2	5494.00	33.40	1.32	34.30	83.35	83.77	-----	-----	Average

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: VOB-P2571



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 5700MHz Tx



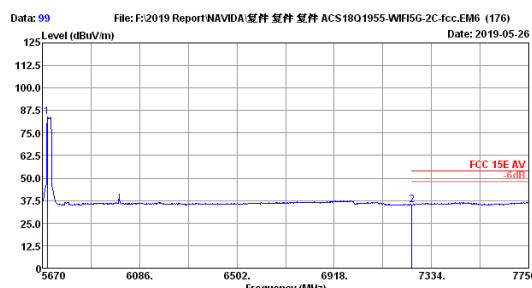
Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 5700MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5699.12	33.89	1.35	34.26	104.97	105.95	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	65.36	66.44	68.20	1.76	Peak
3	7250.00	35.96	1.49	34.55	45.69	48.59	68.20	19.61	Peak

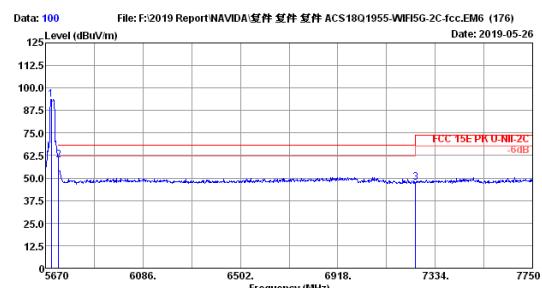
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5701.20	33.94	1.35	34.26	94.35	95.38	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.33	35.23	54.00	18.77	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. : 99
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 5700MHz Tx



Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT20 5700MHz Tx

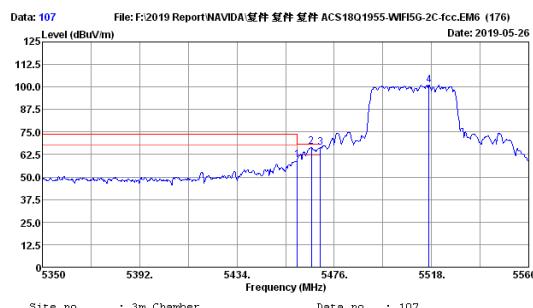
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5690.80	33.89	1.35	34.26	82.80	83.78	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.32	35.22	54.00	18.78	Average

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. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5694.96	33.89	1.35	34.26	92.54	93.52	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	58.79	59.87	68.20	8.33	Peak
3	7250.00	35.96	1.49	34.55	44.53	47.43	68.20	20.77	Peak

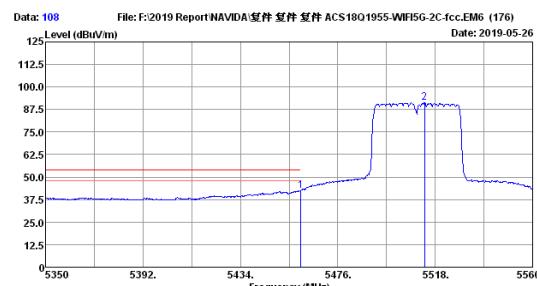
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

FCC ID: VOB-P2571



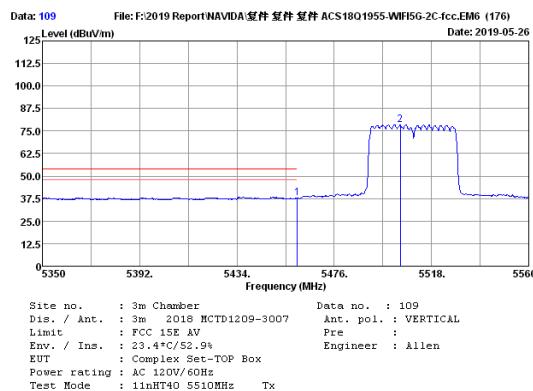
No.	Freq. (MHz)	Ant.			Cable			AMP			Emission			
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	5460.00	33.40	1.32	34.31	59.09	59.50	68.20	8.70	Peak					
2	5466.13	33.40	1.32	34.31	66.40	66.81	68.20	1.39	Peak					
3	5470.00	33.40	1.32	34.31	66.19	66.60	68.20	1.60	Peak					
4	5516.95	33.44	1.33	34.29	100.52	101.00	-----	-----	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.



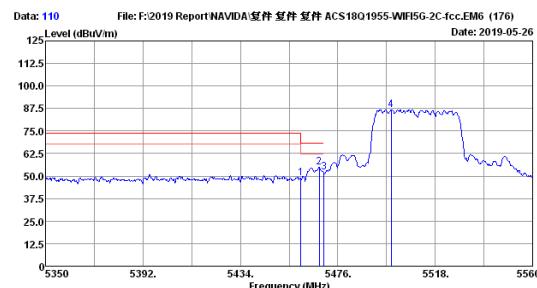
No.	Freq. (MHz)	Ant.			Cable			AMP			Emission			
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	5460.00	33.40	1.32	34.31	42.12	42.53	54.00	11.47	Average					
2	5513.38	33.40	1.33	34.30	90.84	91.27	-----	-----	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.



No.	Freq. (MHz)	Ant.			Cable			AMP			Emission			
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	5460.00	33.40	1.32	34.31	37.38	37.79	54.00	16.21	Average					
2	5504.56	33.40	1.33	34.30	78.10	78.53	-----	-----	Average					

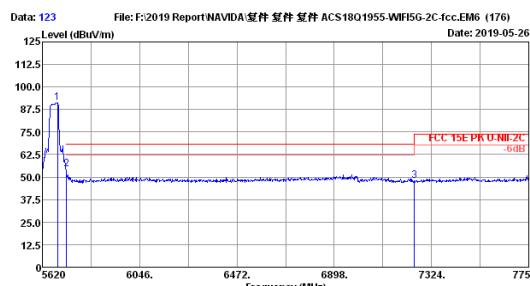
Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



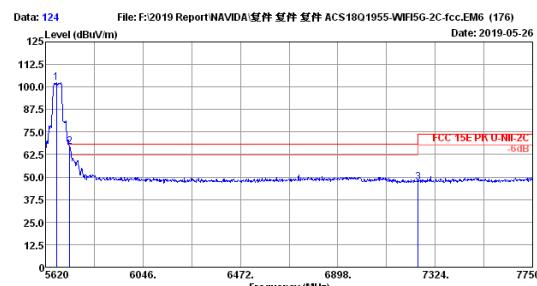
No.	Freq. (MHz)	Ant.			Cable			AMP			Emission			
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1	5460.00	33.40	1.32	34.31	48.57	48.98	68.20	19.22	Peak					
2	5468.02	33.40	1.32	34.31	54.41	54.82	68.20	13.38	Peak					
3	5470.00	33.40	1.32	34.31	51.94	52.35	68.20	15.65	Peak					
4	5499.10	33.40	1.33	34.30	86.39	86.82	-----	-----	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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 123
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5670MHz Tx



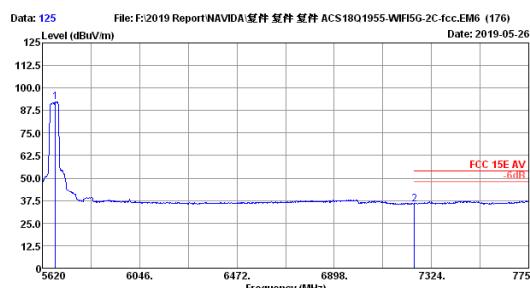
Site no. : 3m Chamber Data no. : 124
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5670MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5686.03	33.89	1.35	34.26	90.40	91.38	-----	-----	-----	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	53.44	54.52	68.20	13.68	68.20	68.20	1.33	Peak
3	7250.00	35.96	1.49	34.55	44.97	47.87	68.20	20.33	68.20	68.20	21.24	Peak

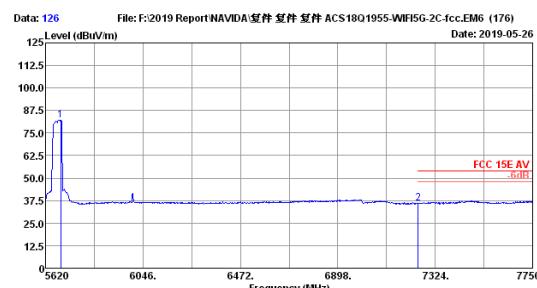
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5666.86	33.85	1.34	34.26	101.43	102.36	-----	-----	-----	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	65.79	66.87	68.20	1.33	68.20	68.20	1.33	Peak
3	7250.00	35.96	1.49	34.55	44.06	46.96	68.20	21.24	68.20	68.20	21.24	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. : 125
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5670MHz Tx



Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1inHT40 5670MHz Tx

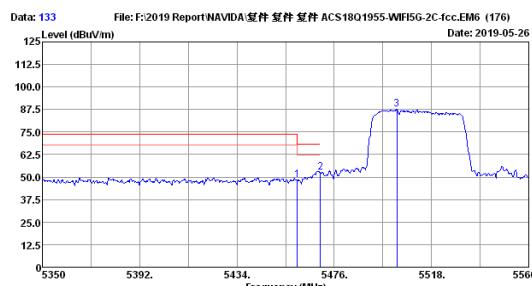
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5677.51	33.85	1.34	34.26	91.32	92.25	-----	-----	-----	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.79	35.69	54.00	18.31	54.00	54.00	18.23	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.

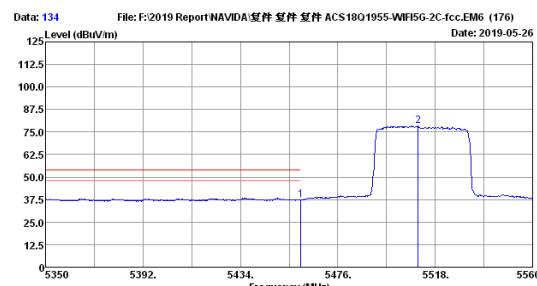
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5686.03	33.89	1.35	34.26	81.15	82.13	-----	-----	-----	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.87	35.77	54.00	18.23	54.00	54.00	18.23	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.

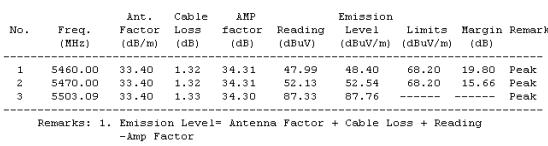
FCC ID: VOB-P2571



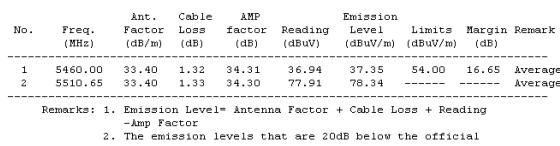
Site no. : 3m Chamber Data no. : 133
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5510MHz Tx



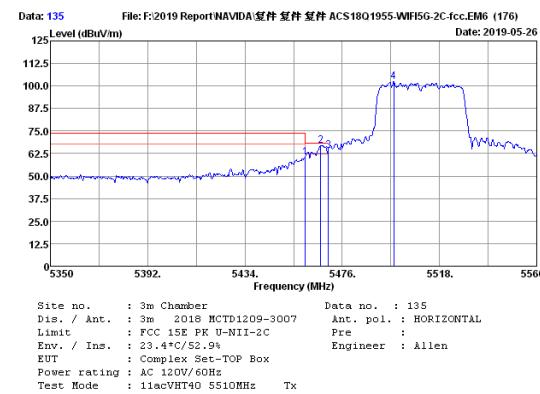
Site no. : 3m Chamber Data no. : 134
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5510MHz Tx



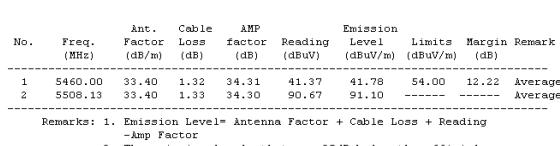
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



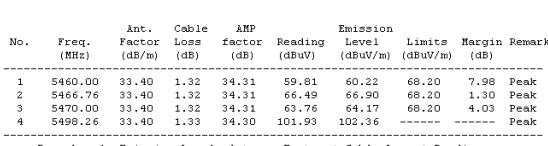
Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5510MHz Tx



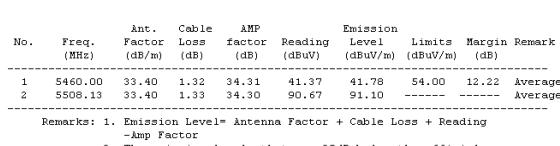
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5510MHz Tx

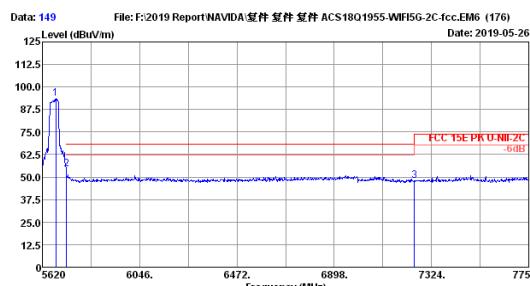


Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

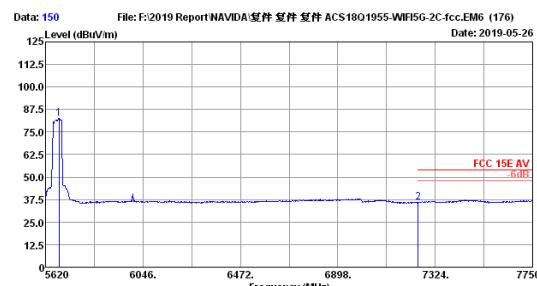


Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 11acVHT40 5510MHz Tx

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 149
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PR U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5670MHz Tx



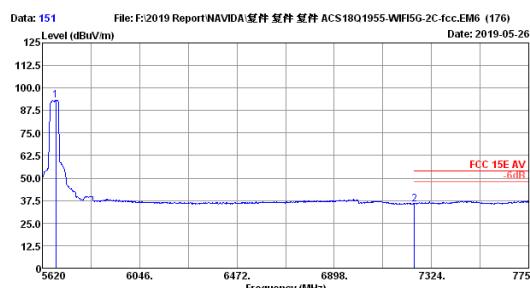
Site no. : 3m Chamber Data no. : 150
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5670MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level
1	5679.64	33.85	1.34	34.26	92.83	93.76	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	53.26	54.34	68.20	13.86	Peak
3	7250.00	35.96	1.49	34.55	45.13	48.03	68.20	20.17	Peak

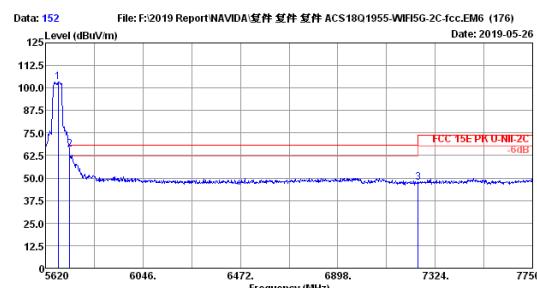
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level
1	5679.64	33.85	1.34	34.26	81.72	82.65	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.95	35.85	54.00	18.15	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. : 151
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5670MHz Tx



Site no. : 3m Chamber Data no. : 152
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PR U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT40 5670MHz Tx

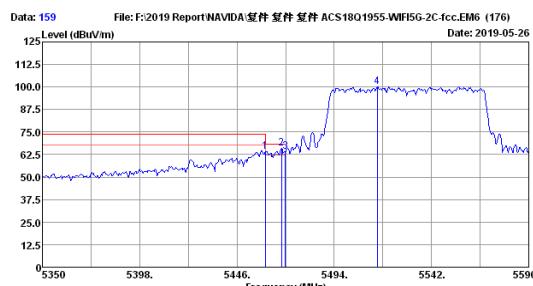
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level
1	5679.64	33.85	1.34	34.26	92.28	93.21	-----	-----	Average
2	7250.00	35.96	1.49	34.55	32.78	35.68	54.00	18.32	Average

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.

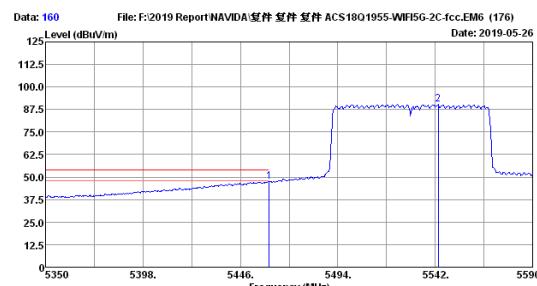
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss	factor	Reading	Level
1	5675.38	33.85	1.34	34.26	102.50	103.43	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	64.93	66.01	68.20	2.19	Peak
3	7250.00	35.96	1.49	34.55	44.59	47.49	68.20	20.71	Peak

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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 159
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx



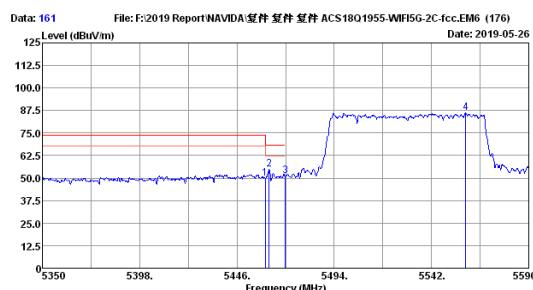
Site no. : 3m Chamber Data no. : 160
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	63.81	64.22	68.20	3.98	Peak
2	5467.98	33.40	1.32	34.31	65.69	66.10	68.20	2.10	Peak
3	5470.00	33.40	1.32	34.31	63.81	64.22	68.20	3.96	Peak
4	5515.24	33.44	1.33	34.29	99.60	100.08	-----	-----	Peak

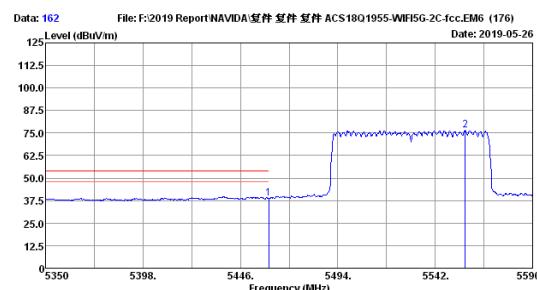
Remarks:
1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.16	33.40	1.32	34.31	47.05	47.46	-----	-----	Average
2	5543.46	33.49	1.33	34.29	90.00	90.53	-----	-----	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. : 161
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx



Site no. : 3m Chamber Data no. : 162
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : 1iacVHT80 5530MHz Tx

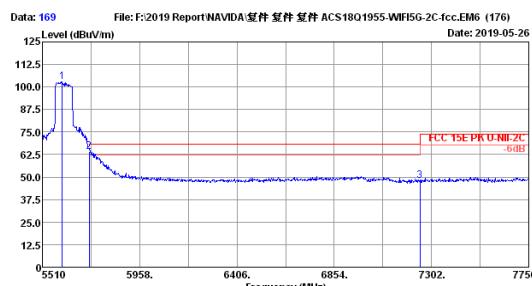
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	49.34	49.75	68.20	18.45	Peak
2	5461.84	33.40	1.32	34.31	54.25	54.66	68.20	13.54	Peak
3	5470.00	33.40	1.32	34.31	50.76	51.17	68.20	17.03	Peak
4	5558.80	33.53	1.33	34.29	85.54	86.11	-----	-----	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.

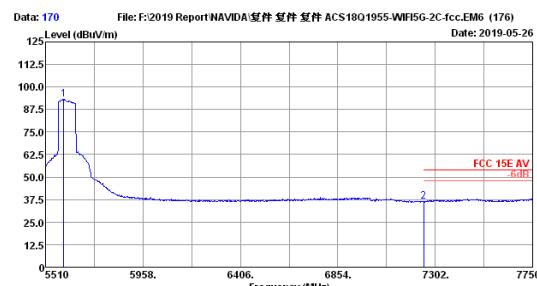
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	38.48	38.89	54.00	15.11	Average
2	5556.88	33.53	1.33	34.29	75.82	76.39	-----	-----	Average

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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 169
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PR U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx



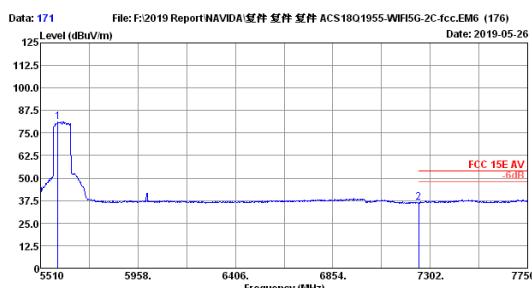
Site no. : 3m Chamber Data no. : 170
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5601.84	33.67	1.34	34.28	102.11	102.84	-----	-----	-----	-----	-----	Peak
2	5725.00	33.98	1.35	34.25	63.10	64.18	68.20	4.02	4.02	4.02	4.02	Peak
3	7250.00	35.96	1.49	34.55	45.04	47.94	68.20	20.26	20.26	20.26	20.26	Peak

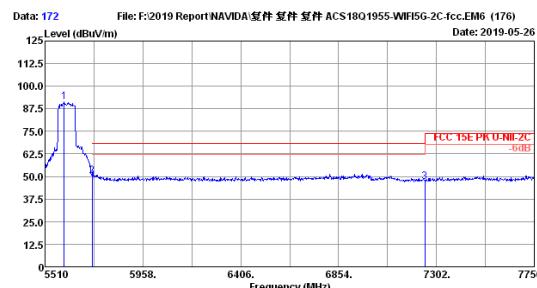
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5592.88	33.62	1.34	34.28	92.49	93.17	-----	-----	-----	-----	-----	Average
2	7250.00	35.96	1.49	34.55	33.46	36.36	54.00	17.64	17.64	17.64	17.64	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. : 171
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx



Site no. : 3m Chamber Data no. : 172
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PR U-NII-2C Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Allen
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : ilacVHT80 5610MHz Tx

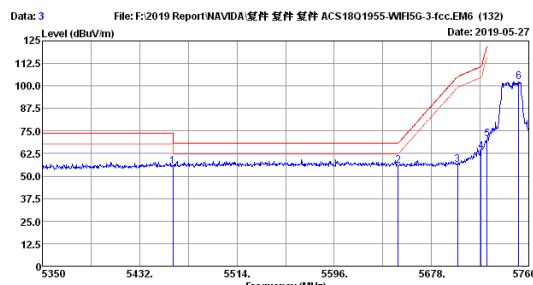
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.64	33.62	1.34	34.28	80.71	81.39	-----	-----	-----	-----	-----	Average
2	7250.00	35.96	1.49	34.55	33.49	36.39	54.00	17.61	17.61	17.61	17.61	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.

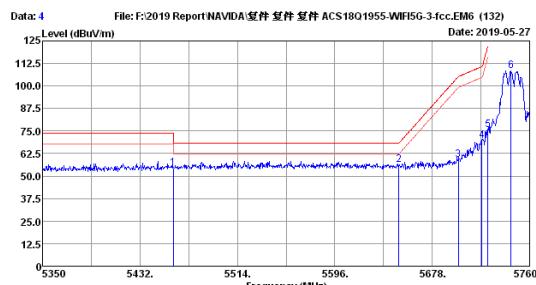
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission							
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5597.36	33.62	1.34	34.28	90.78	91.46	-----	-----	-----	-----	-----	Peak
2	7250.00	33.98	1.35	34.25	49.21	50.29	68.20	17.91	17.91	17.91	17.91	Peak
3	7250.00	35.96	1.49	34.55	44.26	47.16	68.20	21.04	21.04	21.04	21.04	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.

U-NII-3 Band:



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode



Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	55.15	55.56	68.20	12.64	Peak
2	5650.00	33.80	1.34	34.27	55.10	55.97	68.20	12.23	Peak
3	5700.00	33.89	1.35	34.26	55.46	56.44	105.20	48.76	Peak
4	5720.00	33.98	1.35	34.25	62.42	63.50	110.80	47.30	Peak
5	5725.00	33.98	1.35	34.25	69.59	70.67	122.80	52.13	Peak
6	5751.39	34.03	1.35	34.25	101.25	102.38	-----	-----	Peak

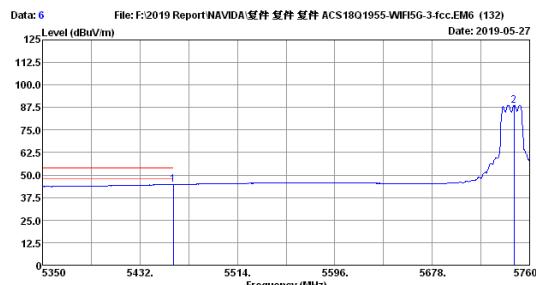
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.21	54.13	54.54	68.20	13.66	Peak
2	5650.00	33.80	1.34	34.27	55.46	56.33	68.20	11.87	Peak
3	5700.00	33.89	1.35	34.26	58.28	59.26	105.20	45.94	Peak
4	5720.00	33.98	1.35	34.25	68.58	69.66	110.80	41.14	Peak
5	5725.00	33.98	1.35	34.25	74.65	75.73	122.80	47.07	Peak
6	5744.42	34.03	1.35	34.25	107.37	108.50	-----	-----	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. : 5
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode



Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 1SE AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH149 5745MHz Tx Mode

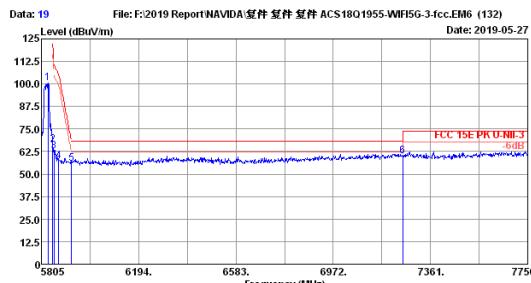
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.33	44.74	54.00	9.26	Average
2	5743.60	34.03	1.35	34.25	98.06	99.19	-----	-----	Average

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.

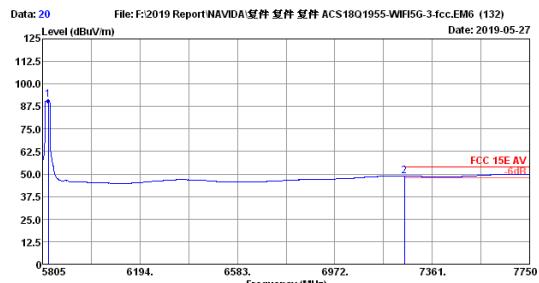
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.30	44.71	54.00	9.29	Average
2	5746.88	34.01	1.35	34.25	87.66	88.79	-----	-----	Average

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: VOB-P2571



Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode



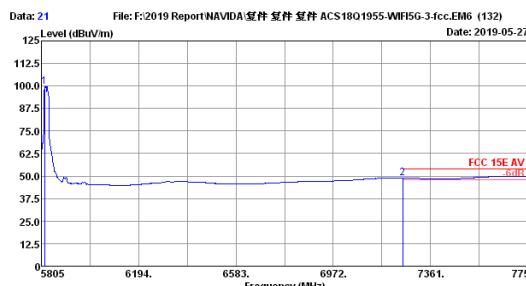
Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5832.23	34.25	1.36	34.23	99.00	100.38	—	—	Peak
2	5850.00	34.30	1.36	34.23	65.04	66.47	122.20	55.73	Peak
3	5855.00	34.34	1.37	34.23	61.20	62.68	110.80	48.12	Peak
4	5875.00	34.39	1.37	34.22	55.81	57.35	105.20	47.85	Peak
5	5925.00	34.52	1.37	34.21	53.93	55.61	68.20	12.59	Peak
6	7250.00	35.96	1.49	34.55	56.95	59.85	68.20	8.35	Peak

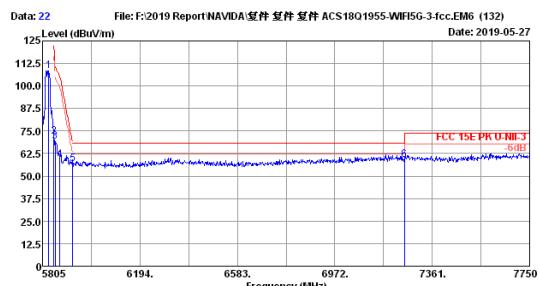
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5828.34	34.25	1.36	34.23	89.78	91.16	—	—	Average
2	7250.00	35.96	1.49	34.55	46.05	48.95	54.00	5.05	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. : 21
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11a CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5818.62	34.21	1.36	34.24	98.38	99.71	—	—	Average
2	7250.00	35.96	1.49	34.55	46.06	48.96	54.00	5.04	Average

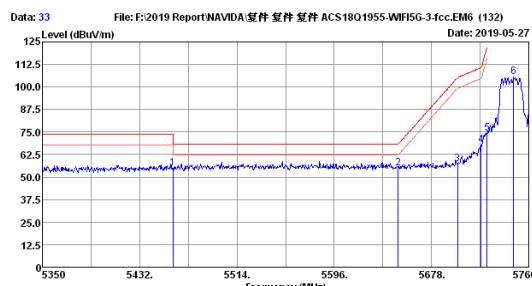
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5830.29	34.25	1.36	34.23	107.17	108.55	—	—	Peak
2	5850.00	34.30	1.36	34.23	70.54	71.97	122.20	50.23	Peak
3	5855.00	34.34	1.37	34.23	67.68	69.16	110.80	41.64	Peak
4	5875.00	34.39	1.37	34.22	57.55	59.09	105.20	46.11	Peak
5	5925.00	34.52	1.37	34.21	54.87	56.55	68.20	11.65	Peak
6	7250.00	35.96	1.49	34.55	56.27	59.17	68.20	9.03	Peak

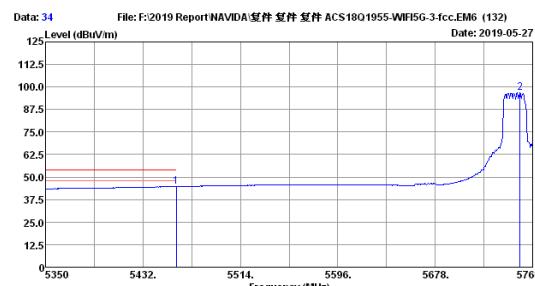
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Note: 11a has two antennas and can not transmit simultaneously, choose the antenna which has worse emissions for the unwanted radiated emission verification test for UNII-3 Band.

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Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode



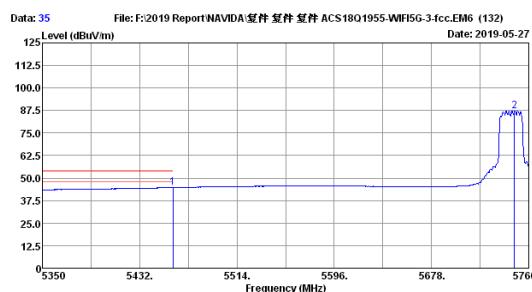
Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	54.55	54.96	68.20	13.24	Peak
2	5650.00	33.80	1.34	34.27	54.00	54.87	68.20	13.33	Peak
3	5700.00	33.89	1.35	34.26	56.00	56.98	105.20	46.22	Peak
4	5720.00	33.98	1.35	34.25	66.94	68.02	110.80	42.76	Peak
5	5725.00	33.98	1.35	34.25	73.24	74.32	122.80	48.48	Peak
6	5747.29	34.03	1.35	34.25	104.29	105.42	-----	-----	Peak

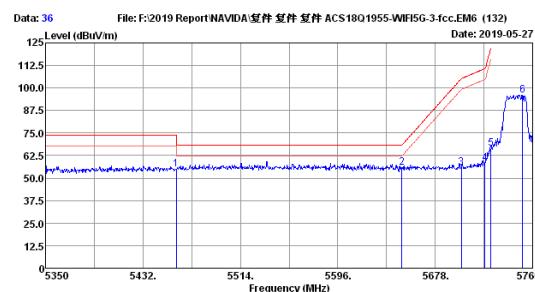
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.28	44.69	54.00	9.31	Average
2	5749.34	34.03	1.35	34.25	95.52	96.85	-----	-----	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 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode



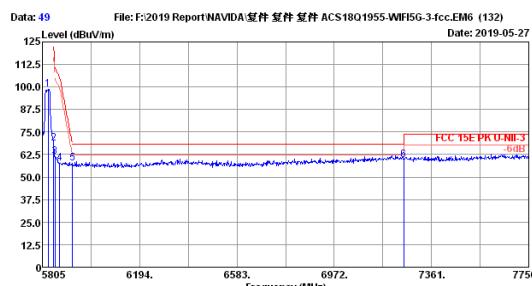
Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.26	44.67	54.00	9.33	Average
2	5748.11	34.03	1.35	34.25	86.13	87.26	-----	-----	Average

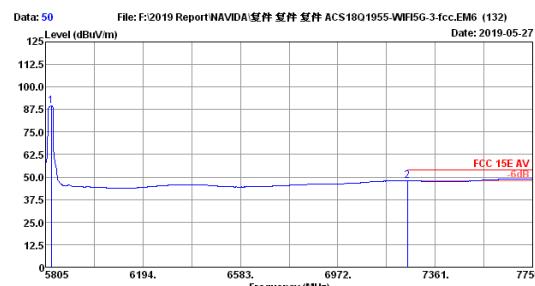
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	54.65	55.06	68.20	13.14	Peak
2	5650.00	33.80	1.34	34.27	54.87	55.74	68.20	12.46	Peak
3	5700.00	33.89	1.35	34.26	54.67	55.65	105.20	49.55	Peak
4	5720.00	33.98	1.35	34.25	56.81	57.89	110.80	52.91	Peak
5	5725.00	33.98	1.35	34.25	65.20	66.28	122.80	56.52	Peak
6	5751.39	34.03	1.35	34.25	94.96	96.09	-----	-----	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.

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Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode



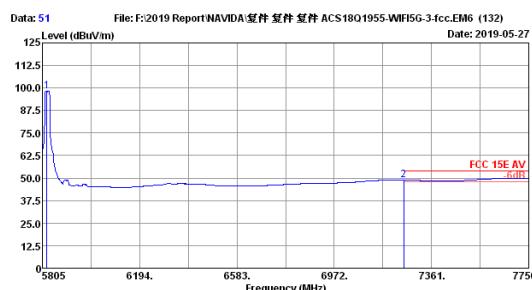
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5828.34	34.25	1.36	34.23	97.44	98.82	—	—	Peak
2	5850.00	34.30	1.36	34.23	67.32	68.75	122.20	53.45	Peak
3	5855.00	34.34	1.37	34.23	59.83	61.31	110.80	49.49	Peak
4	5875.00	34.39	1.37	34.22	56.22	57.76	105.20	47.44	Peak
5	5925.00	34.52	1.37	34.21	55.82	57.50	68.20	10.70	Peak
6	7250.00	35.96	1.49	34.55	56.73	59.63	68.20	8.57	Peak

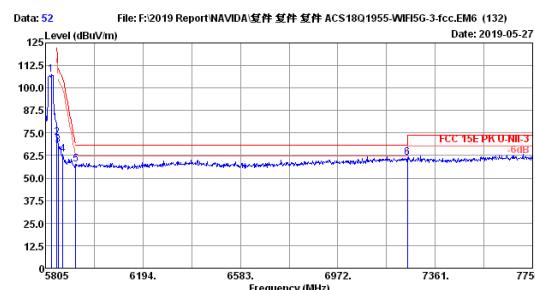
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5828.34	34.25	1.36	34.23	88.13	89.51	—	—	Average
2	7250.00	35.96	1.49	34.55	45.02	47.92	54.00	6.08	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. : S1
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode



Site no. : 3m Chamber Data no. : S2
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT20 CH165 5825MHz Tx Mode

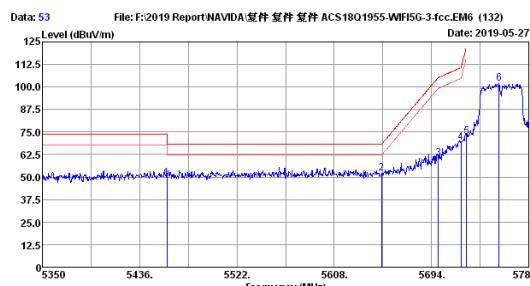
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5828.34	34.25	1.36	34.23	96.98	98.36	—	—	Average
2	7250.00	35.96	1.49	34.55	45.99	48.89	54.00	5.11	Average

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.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)
1	5828.34	34.25	1.36	34.23	106.28	107.66	—	—	Peak
2	5850.00	34.30	1.36	34.23	71.11	72.54	122.20	49.66	Peak
3	5855.00	34.34	1.37	34.23	66.65	66.13	110.80	42.67	Peak
4	5875.00	34.39	1.37	34.22	61.87	63.41	105.20	41.79	Peak
5	5925.00	34.52	1.37	34.21	55.98	57.66	68.20	10.54	Peak
6	7250.00	35.96	1.49	34.55	58.50	61.40	68.20	6.80	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.

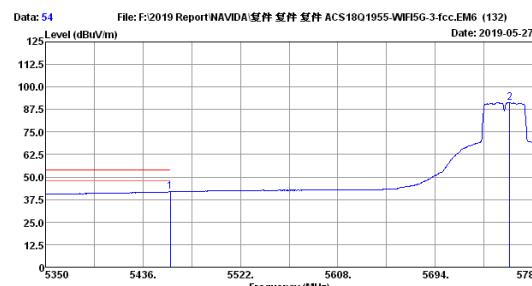
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	49.08	49.49	68.20	18.71	Peak
2	5650.00	33.80	1.34	34.27	51.18	52.05	68.20	16.15	Peak
3	5700.00	33.89	1.35	34.26	59.34	60.32	105.20	44.86	Peak
4	5720.00	33.98	1.35	34.25	68.11	69.19	110.80	41.61	Peak
5	5725.00	33.98	1.35	34.25	71.21	72.29	122.80	50.51	Peak
6	5753.77	34.07	1.35	34.25	100.93	102.10	-----	-----	Peak

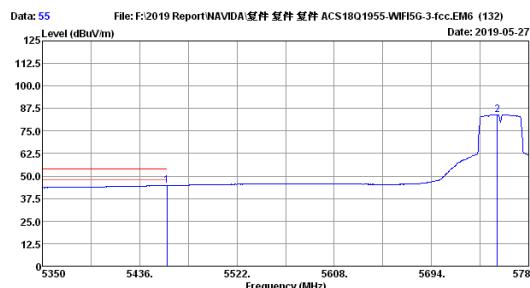
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	41.34	41.75	54.00	12.25	Average
2	5759.79	34.07	1.35	34.25	90.15	91.32	-----	-----	Average

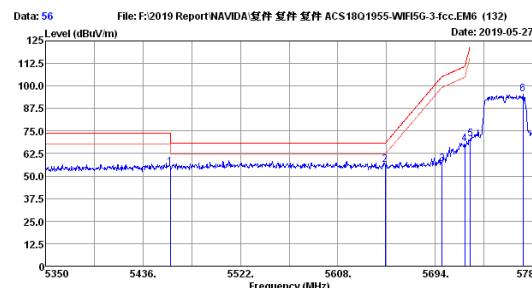
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.35	44.76	54.00	9.24	Average
2	5752.05	34.07	1.35	34.25	82.93	84.10	-----	-----	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.

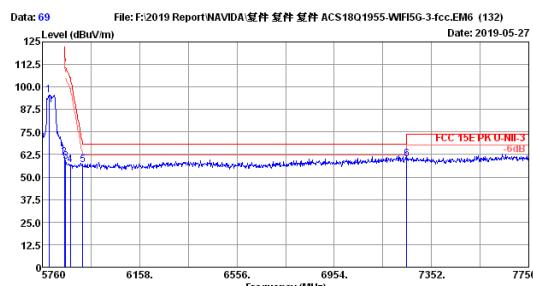


Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH151 5755MHz Tx Mode

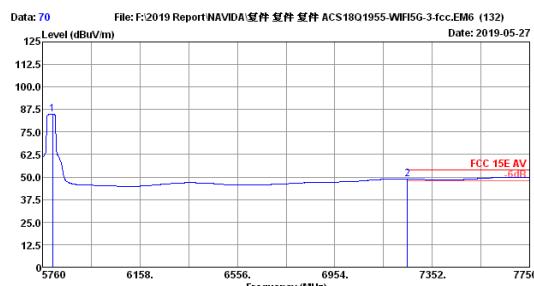
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	54.62	55.03	68.20	13.17	Peak
2	5650.00	33.80	1.34	34.27	55.34	56.21	68.20	11.99	Peak
3	5700.00	33.89	1.35	34.26	55.91	56.89	105.20	48.31	Peak
4	5720.00	33.98	1.35	34.25	66.51	67.59	110.80	43.21	Peak
5	5725.00	33.98	1.35	34.25	69.34	70.42	122.80	52.38	Peak
6	5771.40	34.12	1.36	34.24	94.15	95.39	-----	-----	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.

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Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode



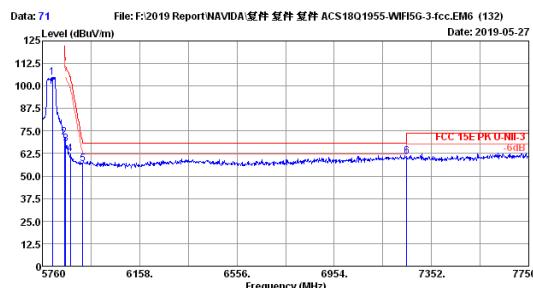
Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5787.86	34.16	1.36	34.24	94.37	95.65	—	—	Peak
2	5850.00	34.30	1.36	34.23	59.68	61.11	122.20	61.09	Peak
3	5855.00	34.34	1.37	34.23	57.15	58.63	110.80	52.17	Peak
4	5875.00	34.39	1.37	34.22	55.25	56.79	105.20	48.41	Peak
5	5925.00	34.52	1.37	34.21	55.00	56.68	68.20	11.52	Peak
6	7250.00	35.96	1.49	34.55	56.99	59.89	68.20	8.31	Peak

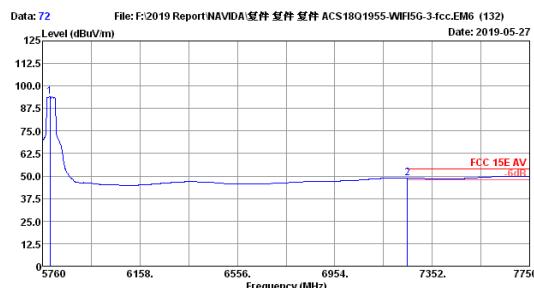
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5801.79	34.16	1.36	34.24	83.69	84.97	—	—	Average
2	7250.00	35.96	1.49	34.55	46.05	48.95	54.00	5.05	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. : 71
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode



Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11nHT40 CH159 5795MHz Tx Mode

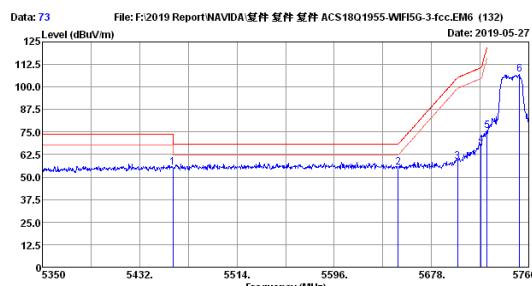
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5801.79	34.16	1.36	34.24	103.63	104.91	—	—	Peak
2	5850.00	34.30	1.36	34.23	70.12	71.55	122.20	50.65	Peak
3	5855.00	34.34	1.37	34.23	66.55	68.03	110.80	42.77	Peak
4	5875.00	34.39	1.37	34.22	60.66	62.20	105.20	43.00	Peak
5	5925.00	34.52	1.37	34.21	54.92	56.60	68.20	11.60	Peak
6	7250.00	35.96	1.49	34.55	58.01	60.91	68.20	7.29	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.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5789.85	34.16	1.36	34.24	92.76	94.04	—	—	Average
2	7250.00	35.96	1.49	34.55	46.02	48.92	54.00	5.08	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.

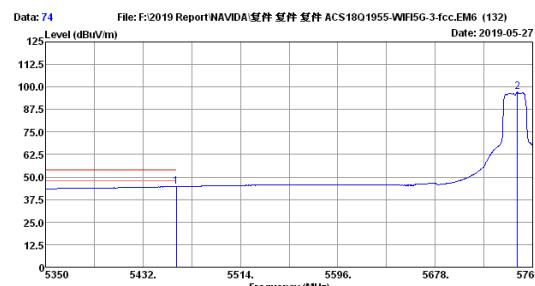
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	54.95	55.36	68.20	12.84	Peak
2	5650.00	33.80	1.34	34.27	54.35	55.22	68.20	12.98	Peak
3	5700.00	33.89	1.35	34.26	57.62	58.60	105.20	46.60	Peak
4	5720.00	33.98	1.35	34.25	66.73	67.81	110.80	42.99	Peak
5	5725.00	33.98	1.35	34.25	74.66	75.74	122.80	47.06	Peak
6	5725.21	34.07	1.35	34.25	106.04	107.21	-----	-----	Peak

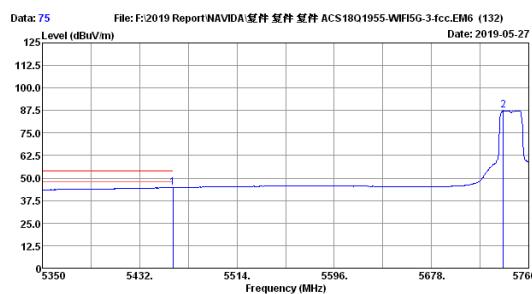
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.28	44.69	54.00	9.31	Average
2	5747.29	34.03	1.35	34.25	96.01	97.14	-----	-----	Average

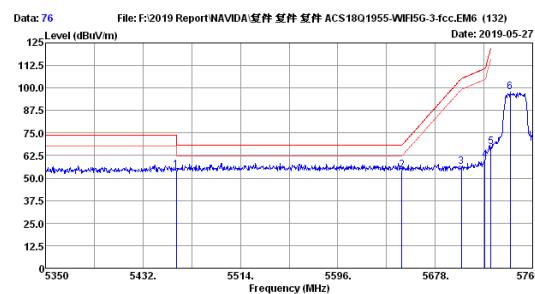
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	44.26	44.67	54.00	9.33	Average
2	5738.68	34.03	1.35	34.25	86.55	87.68	-----	-----	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.

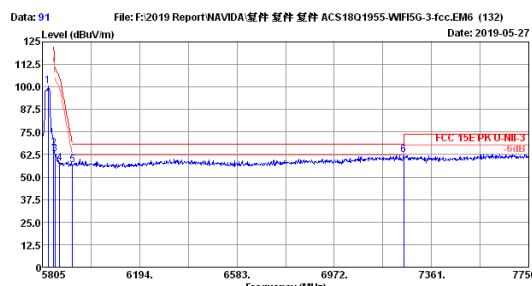


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH149 5745MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	54.04	54.45	68.20	13.75	Peak
2	5650.00	33.80	1.34	34.27	53.72	54.59	68.20	13.61	Peak
3	5700.00	33.89	1.35	34.26	55.40	56.38	105.20	48.82	Peak
4	5720.00	33.98	1.35	34.25	58.88	59.96	110.80	50.84	Peak
5	5725.00	33.98	1.35	34.25	66.21	67.29	122.80	55.51	Peak
6	5741.14	34.03	1.35	34.25	96.62	97.75	-----	-----	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.

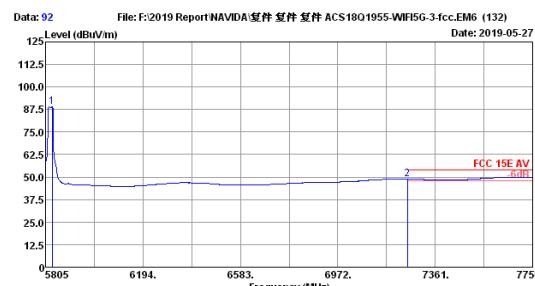
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5828.34	34.25	1.36	34.23	99.31	100.69	—	—	Peak
2	5850.00	34.30	1.36	34.23	64.64	66.07	122.20	56.13	Peak
3	5855.00	34.34	1.37	34.23	61.25	62.73	110.80	48.07	Peak
4	5875.00	34.39	1.37	34.22	56.29	57.83	105.20	47.37	Peak
5	5925.00	34.52	1.37	34.21	55.08	56.76	68.20	11.44	Peak
6	7250.00	35.96	1.49	34.55	59.45	62.35	68.20	5.85	Peak

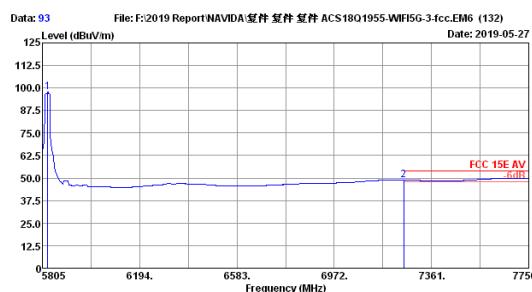
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5832.23	34.25	1.36	34.23	87.87	89.25	—	—	Average
2	7250.00	35.96	1.49	34.55	45.99	48.89	54.00	5.11	Average

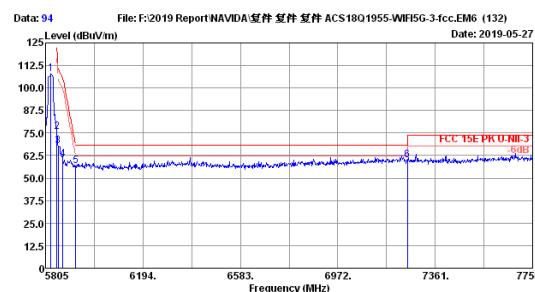
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5826.40	34.25	1.36	34.23	96.41	97.79	—	—	Average
2	7250.00	35.96	1.49	34.55	46.03	48.93	54.00	5.07	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.

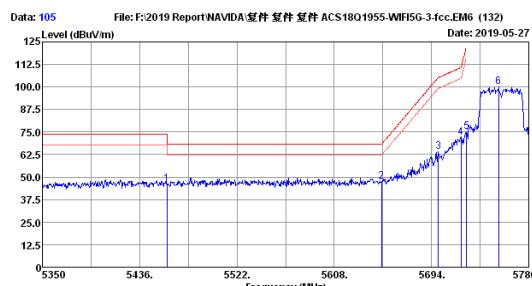


Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT20 CH165 5825MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable Loss (dB)	AMP factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5826.40	34.25	1.36	34.23	106.53	107.91	—	—	Peak
2	5850.00	34.30	1.36	34.23	74.30	75.73	122.20	46.47	Peak
3	5855.00	34.34	1.37	34.23	66.23	67.71	110.60	43.09	Peak
4	5875.00	34.39	1.37	34.22	58.96	60.50	105.20	44.70	Peak
5	5925.00	34.52	1.37	34.21	54.99	56.67	68.20	11.53	Peak
6	7250.00	35.96	1.49	34.55	56.98	59.68	68.20	8.32	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.

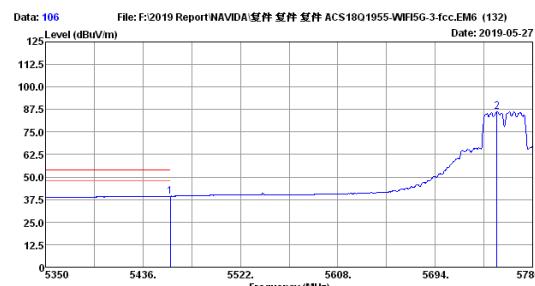
FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5460.00	33.40	1.32	34.31	45.85	46.26	68.20	21.94	Peak		
2	5650.00	33.80	1.34	34.27	46.63	47.50	68.20	20.70	Peak		
3	5700.00	33.89	1.35	34.26	63.03	64.01	105.20	41.19	Peak		
4	5720.00	33.98	1.35	34.25	70.72	71.80	110.80	39.00	Peak		
5	5725.00	33.98	1.35	34.25	74.23	75.31	122.80	47.49	Peak		
6	5753.34	34.07	1.35	34.25	98.71	99.68	-----	-----	Peak		

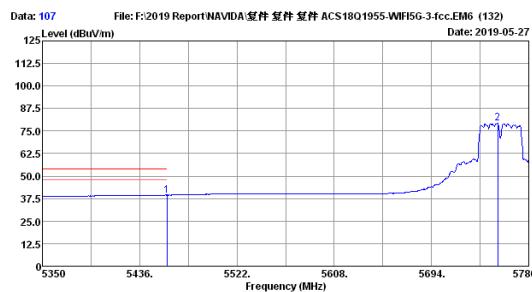
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5460.00	33.40	1.32	34.31	38.99	39.40	54.00	14.60	Average		
2	5748.61	34.03	1.35	34.25	85.03	86.16	-----	-----	Average		

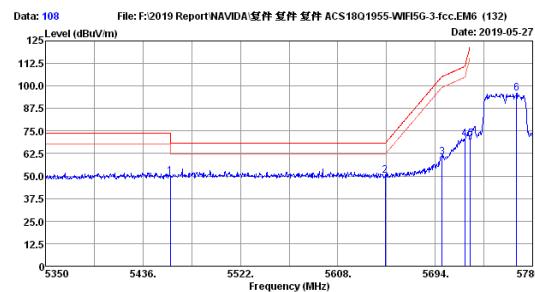
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5460.00	33.40	1.32	34.31	39.02	39.43	54.00	14.57	Average		
2	5752.48	34.07	1.35	34.25	77.97	79.14	-----	-----	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.

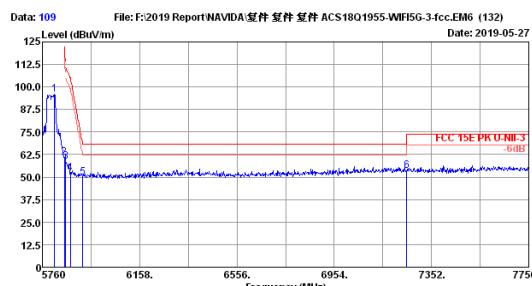


Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH151 5755MHz Tx Mode

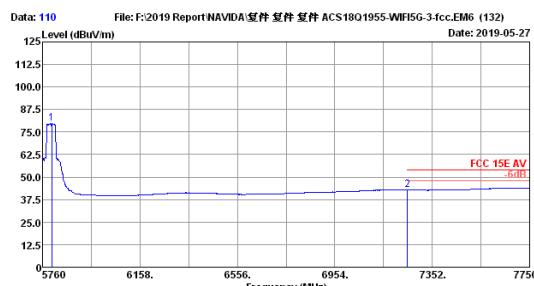
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission						
					Factor	Loss (dB)	factor	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)
1	5460.00	33.40	1.32	34.31	49.58	49.99	68.20	18.21	Peak		
2	5650.00	33.80	1.34	34.27	49.61	50.48	68.20	17.72	Peak		
3	5700.00	33.89	1.35	34.26	59.63	60.61	105.20	44.59	Peak		
4	5720.00	33.98	1.35	34.25	69.59	70.67	110.80	40.13	Peak		
5	5725.00	33.98	1.35	34.25	69.72	70.80	122.80	52.00	Peak		
6	5765.81	34.07	1.35	34.25	94.73	95.90	-----	-----	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.

FCC ID: VOB-P2571



Site no. : 3m Chamber Data no. : 109
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode



Site no. : 3m Chamber Data no. : 110
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)
1	5809.75	34.21	1.36	34.24	94.79	96.12	-----	Peak	
2	5850.00	34.30	1.36	34.23	59.36	60.79	122.20	61.41	Peak
3	5855.00	34.34	1.37	34.23	57.30	58.78	110.80	52.02	Peak
4	5875.00	34.39	1.37	34.22	50.57	52.11	105.20	53.09	Peak
5	5925.00	34.52	1.37	34.21	48.24	49.92	68.20	18.28	Peak
6	7250.00	35.96	1.49	34.55	50.43	53.33	68.20	14.87	Peak

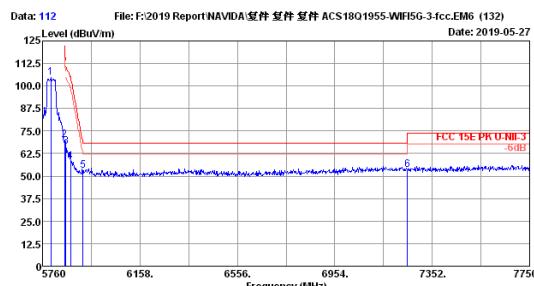
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)
1	5797.81	34.16	1.36	34.24	78.66	79.94	-----	-----	Average
2	7250.00	35.96	1.49	34.55	40.01	42.91	54.00	11.09	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. : 111
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode



Site no. : 3m Chamber Data no. : 112
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT40 CH159 5795MHz Tx Mode

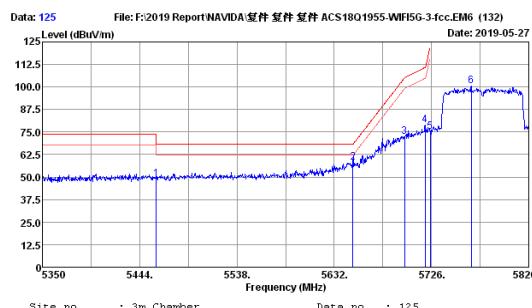
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)
1	5799.80	34.16	1.36	34.24	85.84	87.12	-----	-----	Average
2	7250.00	35.96	1.49	34.55	40.02	42.92	54.00	11.08	Average

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.

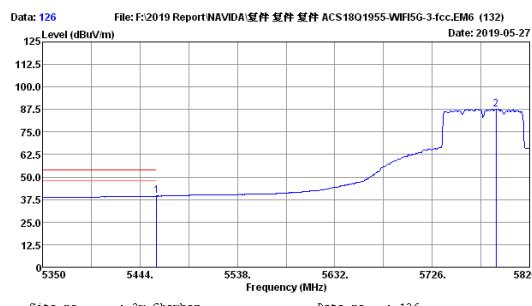
No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP (dB)	Emission				
					Factor (dB)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)
1	5793.83	34.16	1.36	34.24	103.33	104.61	-----	-----	Peak
2	5850.00	34.30	1.36	34.23	68.45	69.88	122.20	52.32	Peak
3	5855.00	34.34	1.37	34.23	65.04	66.32	110.80	44.28	Peak
4	5875.00	34.39	1.37	34.22	56.55	58.09	105.20	47.11	Peak
5	5925.00	34.52	1.37	34.21	51.32	53.00	68.20	15.20	Peak
6	7250.00	35.96	1.49	34.55	50.39	53.29	68.20	14.91	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: VOB-P2571



Site no. : 3m Chamber Data no. : 125
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



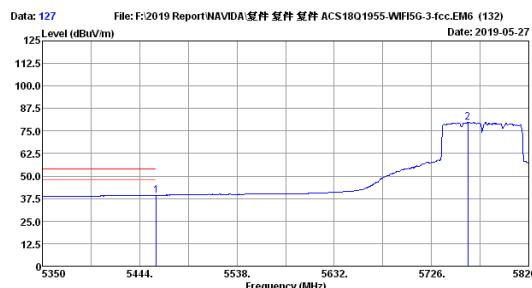
Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	48.26	48.67	68.20	19.53	Peak
2	5650.00	33.80	1.34	34.27	57.47	58.34	68.20	9.86	Peak
3	5700.00	33.89	1.35	34.26	71.46	72.44	105.20	32.76	Peak
4	5720.00	33.98	1.35	34.25	77.75	78.83	110.80	31.97	Peak
5	5725.00	33.98	1.35	34.25	74.23	75.31	122.80	47.49	Peak
6	5764.54	34.07	1.35	34.25	99.55	100.72	-----	-----	Peak

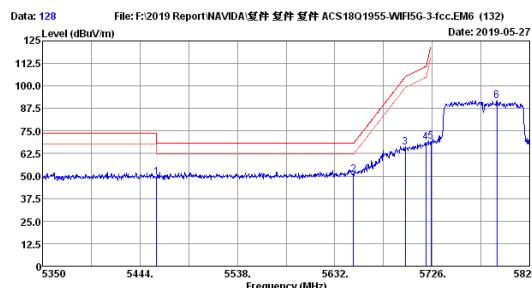
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	39.04	39.45	54.00	14.55	Average
2	5787.57	34.16	1.36	34.24	86.59	87.87	-----	-----	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 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



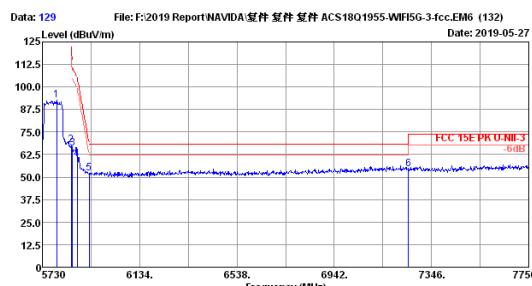
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Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	38.99	39.40	54.00	14.60	Average
2	5761.25	34.07	1.35	34.25	78.67	79.84	-----	-----	Average

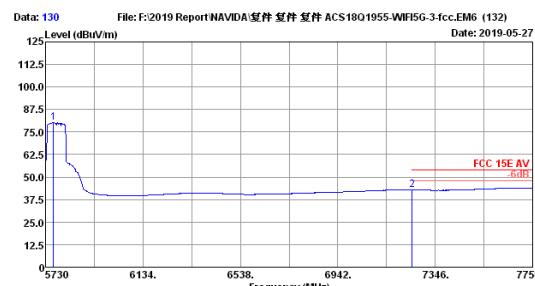
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.40	1.32	34.31	49.13	49.54	68.20	18.66	Peak
2	5650.00	33.80	1.34	34.27	49.66	50.53	68.20	17.67	Peak
3	5700.00	33.89	1.35	34.26	64.86	65.86	105.20	39.34	Peak
4	5720.00	33.98	1.35	34.25	67.52	68.60	110.80	42.20	Peak
5	5725.00	33.98	1.35	34.25	68.00	69.08	122.80	53.72	Peak
6	5788.51	34.16	1.36	34.24	90.55	91.83	-----	-----	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.

FCC ID: VOB-P2571


Site no. : 3m Chamber Data no. : 129
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



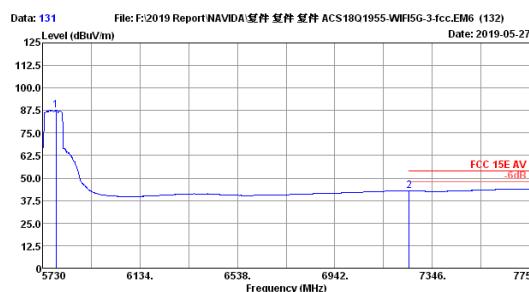
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Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : VERTICAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Peak		
1	5788.58	34.16	1.36	34.24	91.36	92.64	-----	-----	-----	Peak
2	5850.00	34.30	1.36	34.23	66.60	68.03	122.20	54.17	Peak	Peak
3	5855.00	34.34	1.37	34.23	64.31	65.79	110.80	45.01	Peak	Peak
4	5875.00	34.39	1.37	34.22	58.50	60.04	105.20	45.16	Peak	Peak
5	5925.00	34.52	1.37	34.21	50.47	52.15	68.20	16.05	Peak	Peak
6	7250.00	35.96	1.49	34.55	51.53	54.43	68.20	13.77	Peak	Peak

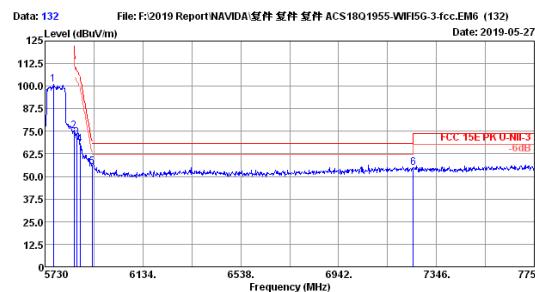
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				Margin (dB)
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Peak	
1	5762.32	34.07	1.35	34.25	79.19	80.36	-----	-----	Average
2	7250.00	35.96	1.49	34.55	39.98	42.88	54.00	11.12	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.



Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E AV Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode



Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 2018 MCTD1209-3007 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-3 Pre :
Env. / Ins. : 23°C/54% Engineer : Lynn
EUT : Complex Set-TOP Box
Power rating : AC 120V/60Hz
Test Mode : IEEE802.11acVHT80 CH155 5775MHz Tx Mode

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				Margin (dB)
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Peak	
1	5764.34	34.07	1.35	34.25	99.96	101.13	-----	-----	Peak
2	7250.00	34.30	1.36	34.23	73.60	75.03	122.20	47.17	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.

No.	Freq. (MHz)	Ant. (dB/m)	Cable (dB)	AMP factor	Emission				Margin (dB)
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Peak	
1	5764.34	34.07	1.35	34.25	99.96	101.13	-----	-----	Peak
2	5850.00	34.30	1.36	34.23	73.60	75.03	122.20	47.17	Peak
3	5860.00	34.34	1.37	34.23	70.18	71.66	109.40	37.74	Peak
4	5875.00	34.39	1.37	34.22	66.46	68.00	105.20	37.20	Peak
5	5925.00	34.52	1.37	34.21	53.83	55.51	68.20	12.69	Peak
6	7250.00	35.96	1.49	34.55	52.03	54.93	68.20	13.27	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.

6. 6dB & 26dB & 99% Occupied Bandwidth Test

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Sep.08,18	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	Oct.14,18	1 Year
3.	RF Cable	EMCI	EMC102-K M-KM 3500	170702	May.13,19	1 Year

6.2. Limit

6dB Bandwidth should be not less than 500kHz

6.3. Test Procedure

26dB Bandwidth:

Use the test method described in ANSI C63.10 clause 12.4.1:

- (a) Set RBW = approximately 1% of the emission bandwidth.
- (b) Set the VBW > RBW.
- (c) Detector = Peak.
- (d) Trace mode = max hold.
- (e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6dB Bandwidth:

Use the test method described in 789033 D02 v02r01:

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- (a) Set RBW = 100 kHz.
- (b) Set the video bandwidth (VBW) \geq 3 RBW.
- (c) Detector = Peak.
- (d) Trace mode = max hold
- (e) Sweep = auto couple
- (f) Allow the trace to stabilize
- (g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

99% Occupied bandwidth:

Use the test method described in ANSI C63.10 Section 6.9.2:

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.4. Test Results

EUT: Complex Set-Top Box		
M/N: P2571		
Test date: 2019-06-05~26	Pressure: 102.3±1.0 kpa	Humidity: 51.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature: 22.5±0.6 °C

U-NII-2A Band:**26dB bandwidth**

Test Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (KHz)
		ANT1	ANT2	
11a	5260	29.92	30.00	N/A
	5300	30.00	30.00	N/A
	5320	23.79	24.59	N/A
11n HT20	5260	24.77	24.99	N/A
	5300	25.14	26.93	N/A
	5320	25.84	25.56	N/A
11n HT40	5270	74.21	73.47	N/A
	5310	41.74	39.66	N/A
11ac VHT20	5260	23.20	25.67	N/A
	5300	25.33	25.45	N/A
	5320	26.67	26.38	N/A
11ac VHT40	5270	74.42	73.88	N/A
	5310	41.35	39.79	N/A
11ac VHT80	5290	82.80	81.07	N/A
Conclusion: PASS				

99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99% bandwidth (MHz)		Limit (KHz)
		ANT1	ANT2	
11a	5260	18.769	18.047	N/A
	5300	19.039	19.341	N/A
	5320	16.923	16.951	N/A
11n HT20	5260	17.944	17.906	N/A
	5300	17.919	17.956	N/A
	5320	17.927	17.889	N/A
11n HT40	5270	37.144	37.036	N/A
	5310	36.100	36.274	N/A
11ac VHT20	5260	17.945	17.953	N/A
	5300	17.902	17.902	N/A
	5320	17.948	17.942	N/A
11ac VHT40	5270	36.979	36.953	N/A
	5310	36.068	36.230	N/A
11ac VHT80	5290	75.871	75.735	N/A
Conclusion: PASS				

U-NII-2C Band:**26dB bandwidth**

Test Mode	Frequency (MHz)	26dB Bandwidth (MHz)		Limit (KHz)
		ANT1	ANT2	
11a	5500	28.49	28.50	N/A
	5580	30.00	30.00	N/A
	5700	21.45	23.26	N/A
11n HT20	5500	21.51	22.42	N/A
	5580	22.00	23.28	N/A
	5700	22.93	21.92	N/A
11n HT40	5510	41.36	39.74	N/A
	5590	73.43	73.30	N/A
	5670	44.80	43.82	N/A
11ac VHT20	5500	21.68	21.46	N/A
	5580	21.69	22.65	N/A
	5700	21.77	21.96	N/A
11ac VHT40	5510	40.25	39.76	N/A
	5590	72.85	73.41	N/A
	5670	43.35	44.09	N/A
11ac VHT80	5530	81.90	80.87	N/A
	5610	117.2	117.5	N/A
Conclusion: PASS				

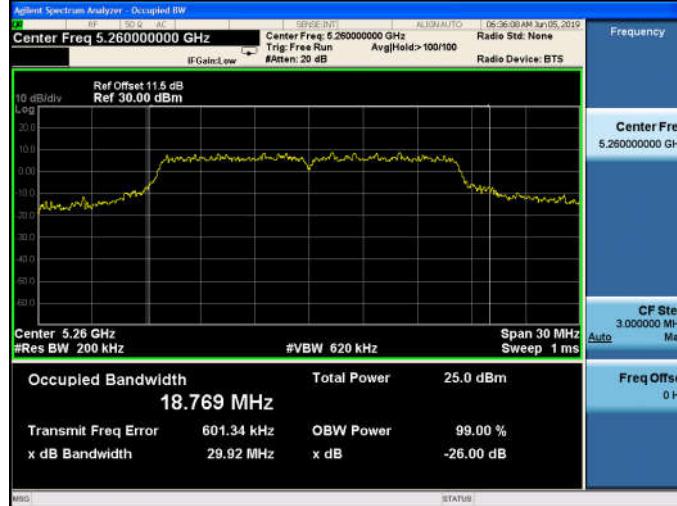
99% Occupied bandwidth:

Test Mode	Frequency (MHz)	99% bandwidth (MHz)		Limit (KHz)
		ANT1	ANT2	
11a	5500	17.033	17.028	N/A
	5580	18.507	19.464	N/A
	5700	16.800	16.856	N/A
11n HT20	5500	17.893	17.852	N/A
	5580	17.913	17.905	N/A
	5700	17.863	17.841	N/A
11n HT40	5510	36.397	36.266	N/A
	5590	36.513	36.497	N/A
	5670	36.229	36.305	N/A
11ac VHT20	5500	17.899	17.800	N/A
	5580	17.895	17.868	N/A
	5700	17.915	17.872	N/A
11ac VHT40	5510	36.359	36.245	N/A
	5590	36.538	36.519	N/A
	5670	36.411	36.257	N/A
11ac VHT80	5530	75.907	75.664	N/A
	5610	76.007	76.112	N/A
Conclusion: PASS				

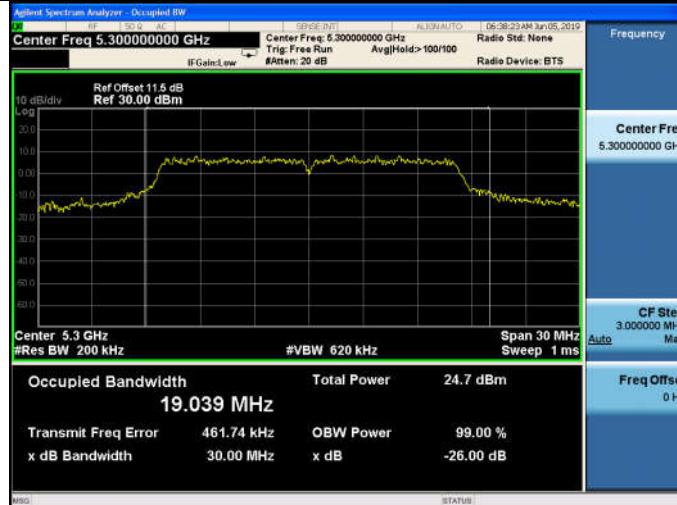
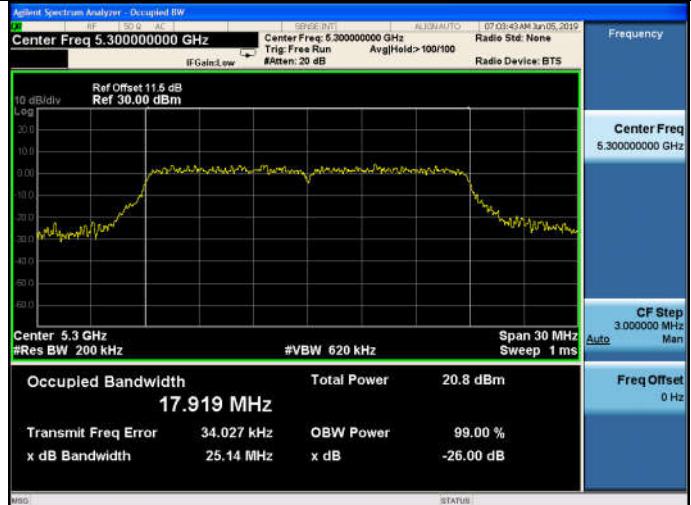
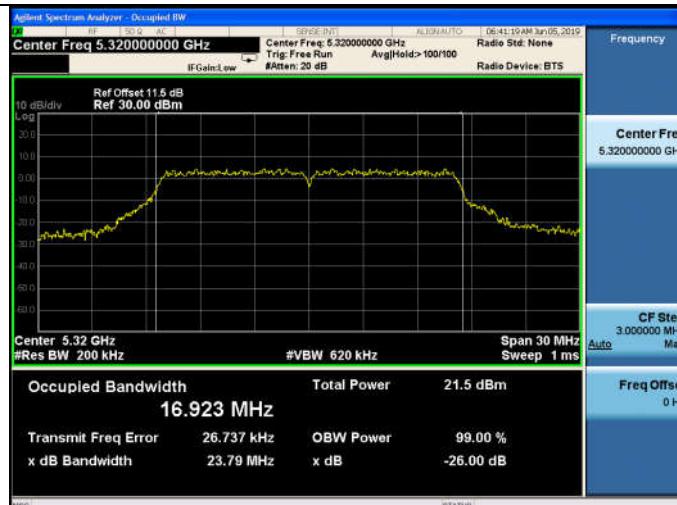
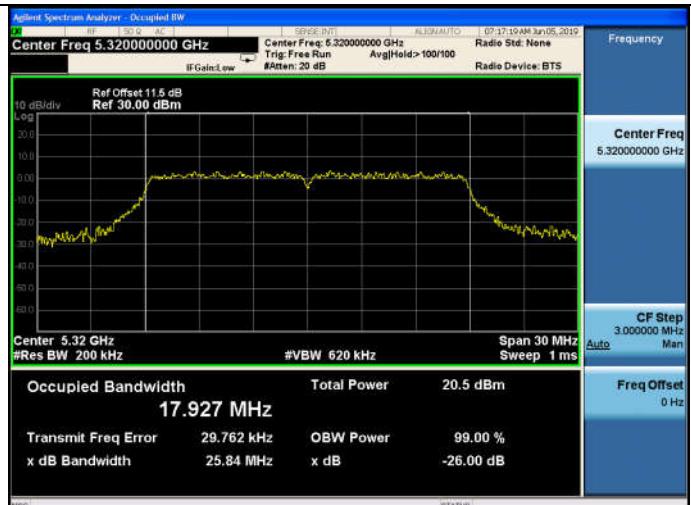
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U-NII-2A Band:
ANT1
26dB bandwidth & 99% Occupied bandwidth
11a

5260MHz


11n HT20

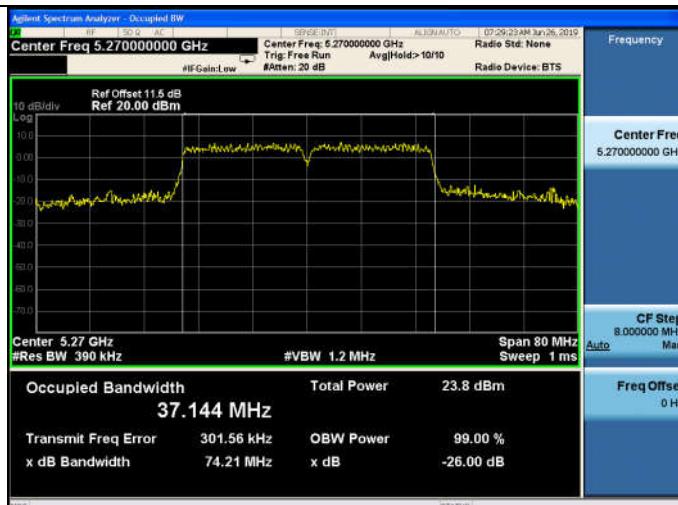
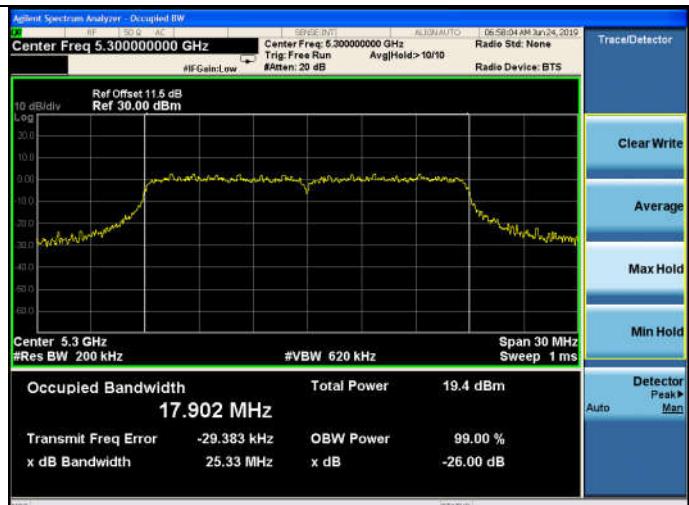
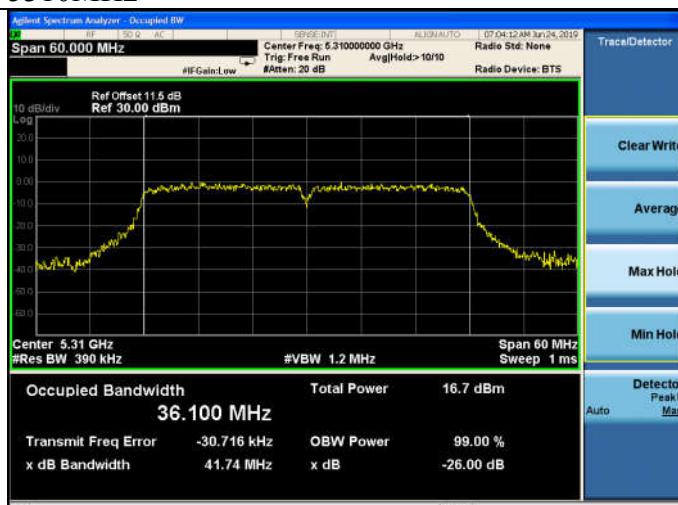
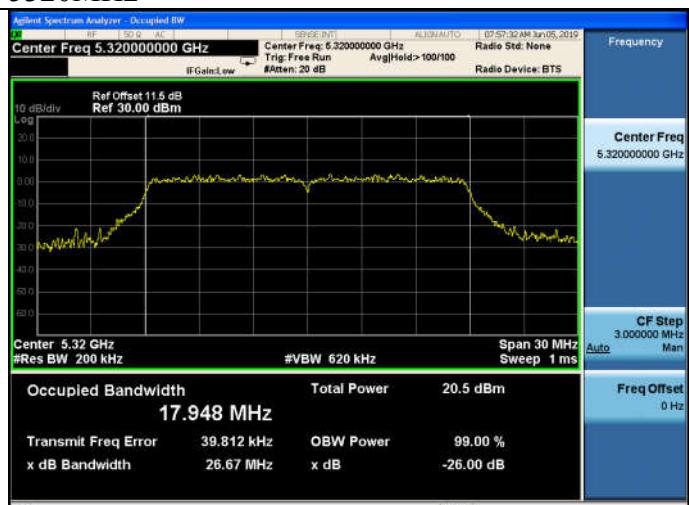
5260MHz


5300MHz

5300MHz

5320MHz

5320MHz


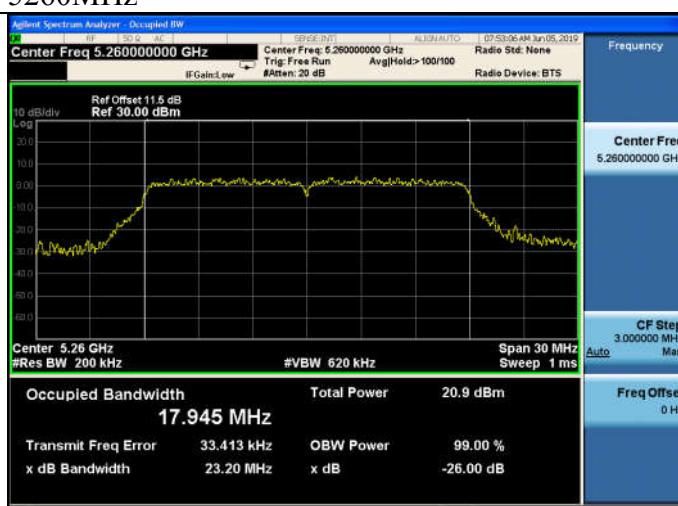
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11n HT40

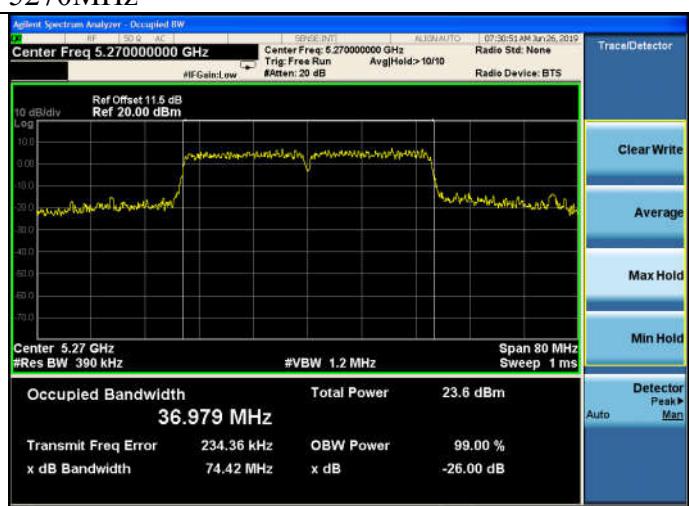
5270MHz


5300MHz

5310MHz

5320MHz

11ac VHT20

5260MHz

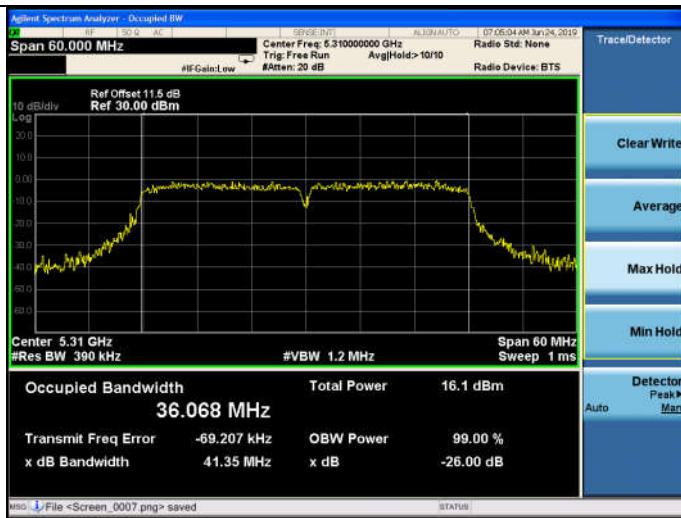

11ac VHT40

5270MHz



FCC ID: VOB-P2571

5310MHz



11ac VHT80

5290MHz



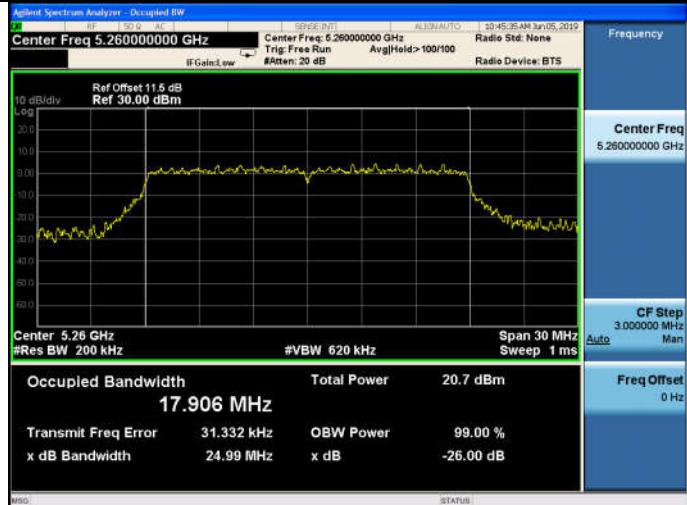
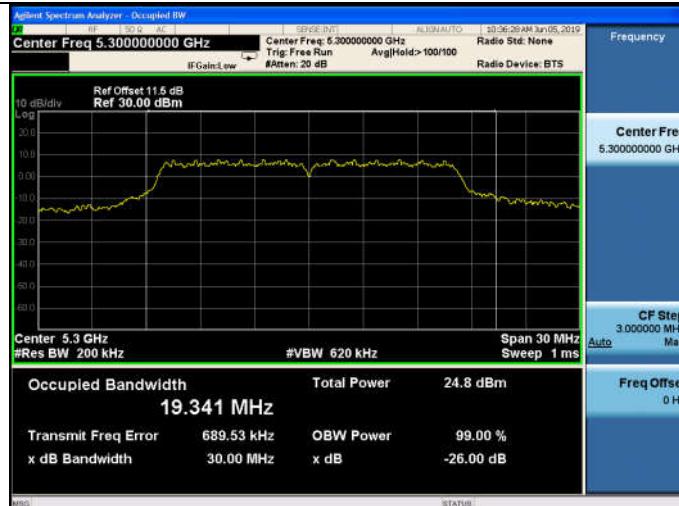
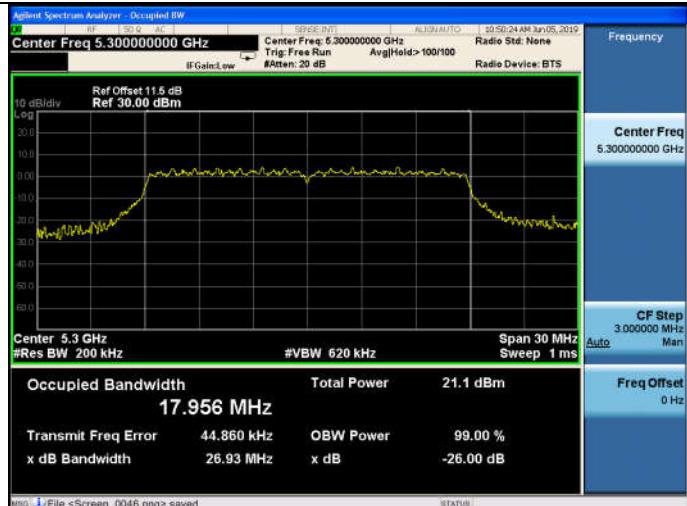
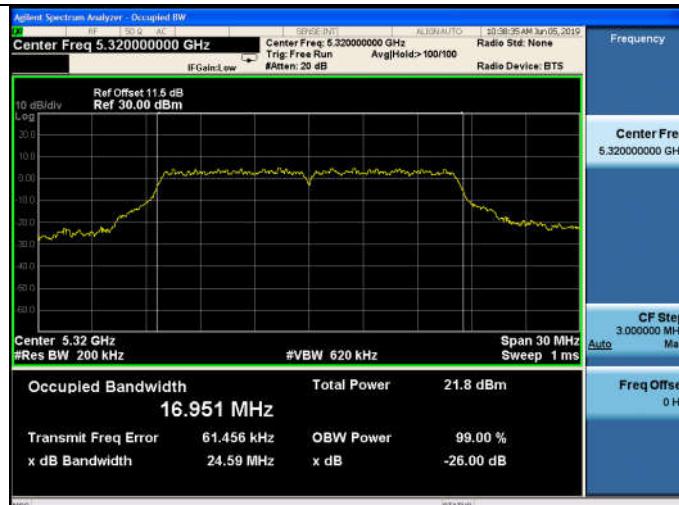
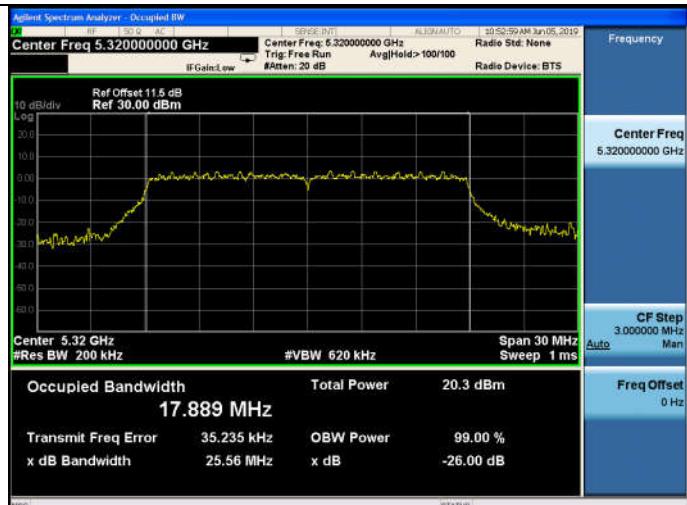
FCC ID: VOB-P2571

U-NII-2A Band:
ANT2
26dB bandwidth & 99% Occupied bandwidth
11a

5260MHz


11n HT20

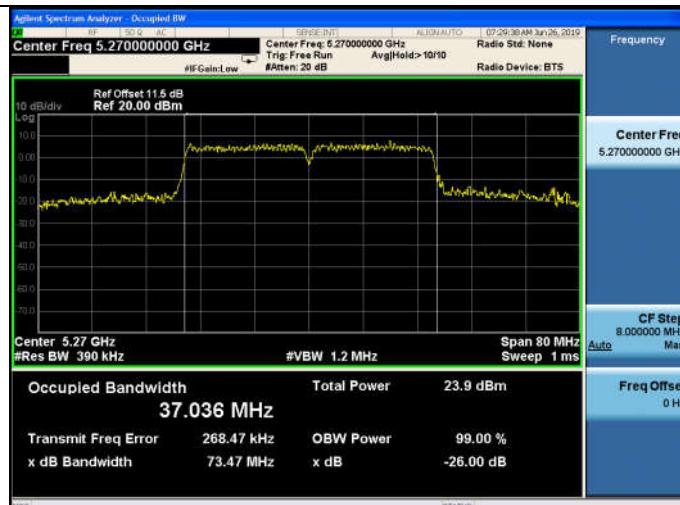
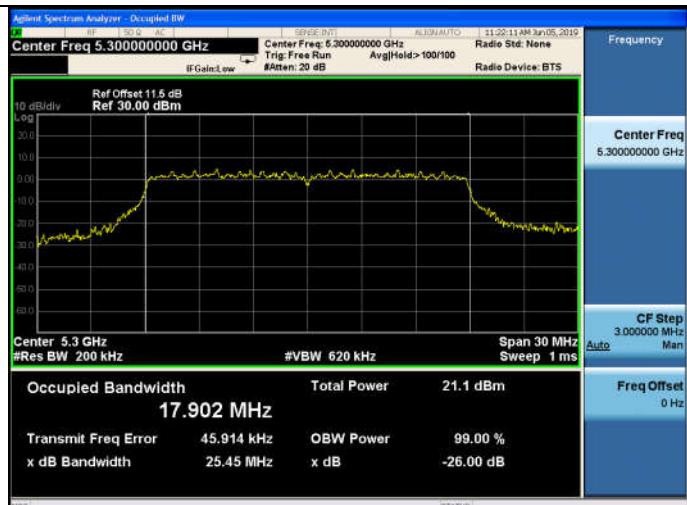
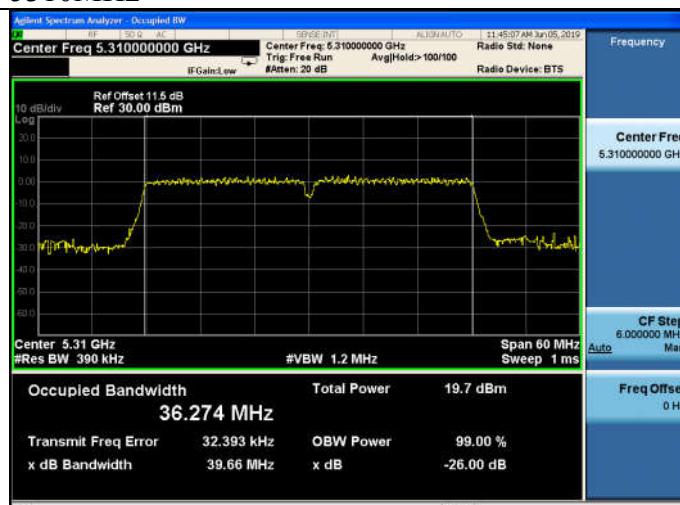
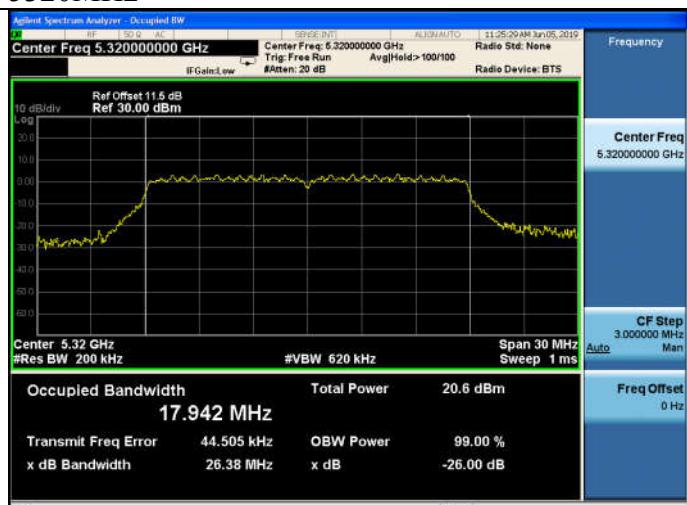
5260MHz


5300MHz

5300MHz

5320MHz

5320MHz


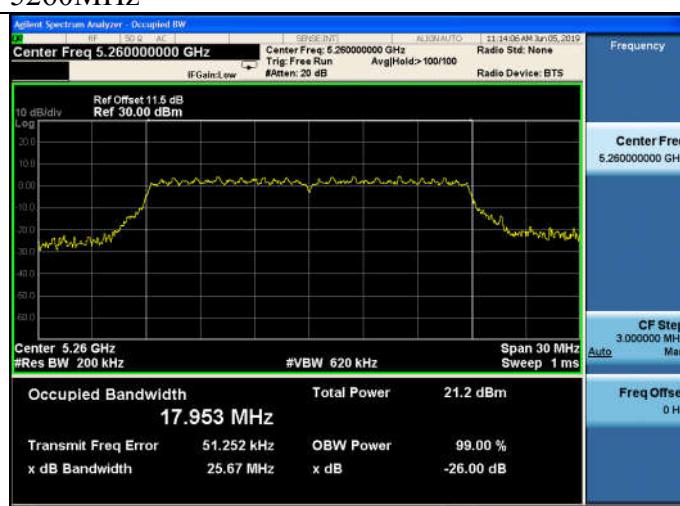
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11n HT40

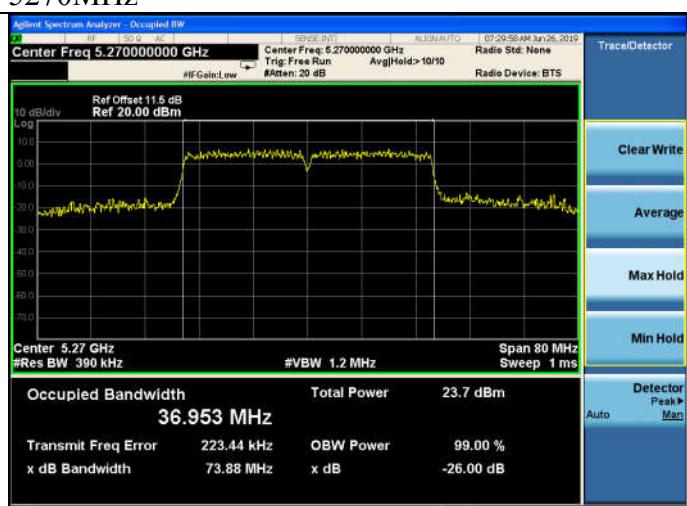
5270MHz


5300MHz

5310MHz

5320MHz

11ac VHT20

5260MHz

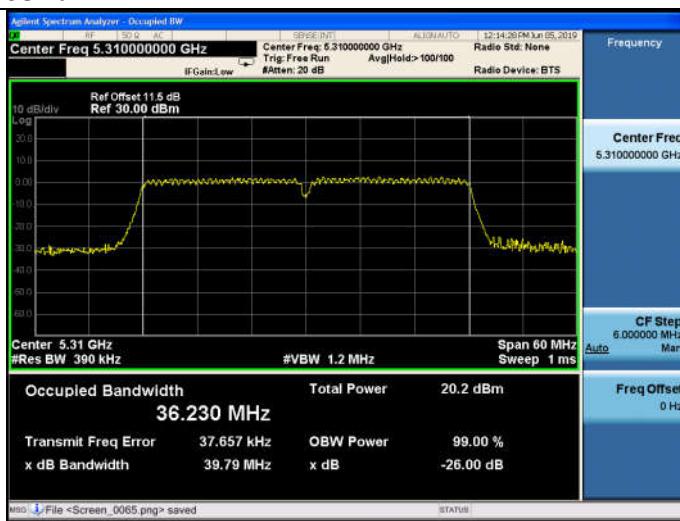

11ac VHT40

5270MHz



FCC ID: VOB-P2571

5310MHz



11ac VHT80

5290MHz

