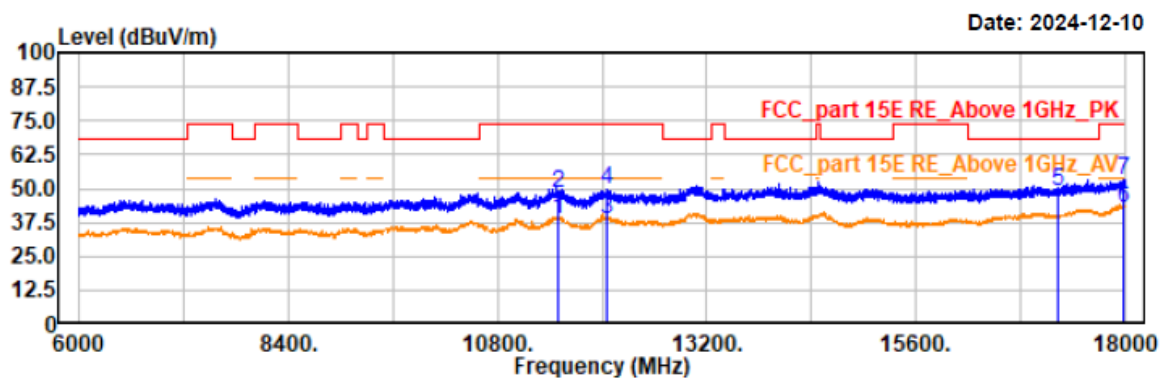


Project No.: 2407T76694E-RF
Test Mode: 11ac20-5745
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

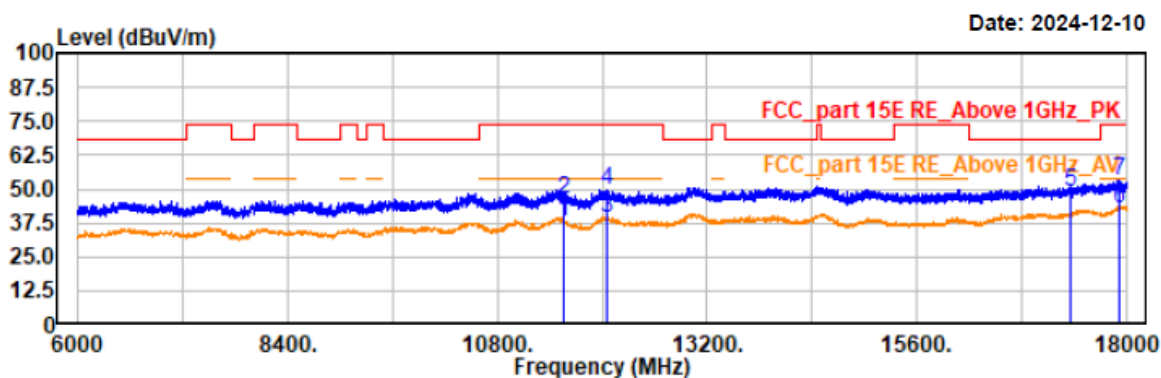
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11490.00	35.38	3.12	38.50	54.00	15.50	vertical	Average
11490.00	45.04	3.12	48.16	74.00	25.84	vertical	Peak
12058.80	34.75	4.14	38.89	54.00	15.11	vertical	Average
12058.80	45.64	4.14	49.78	74.00	24.22	vertical	Peak
17235.00	43.54	5.59	49.13	68.20	19.07	vertical	Peak
17989.20	35.15	7.72	42.87	54.00	11.13	vertical	Average
17989.20	45.40	7.72	53.12	74.00	20.88	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5785
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



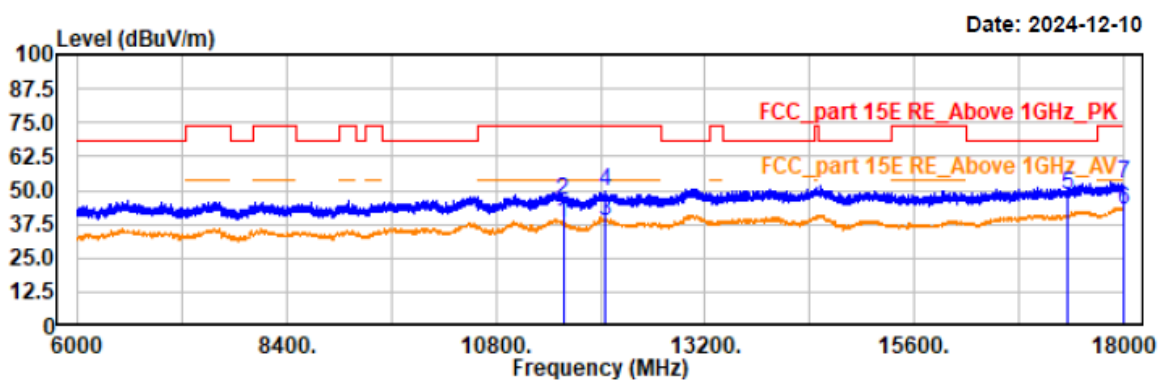
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11570.00	34.48	3.34	37.82	54.00	16.18	horizontal	Average
11570.00	42.89	3.34	46.23	74.00	27.77	horizontal	Peak
12060.00	35.23	4.14	39.37	54.00	14.63	horizontal	Average
12060.00	45.31	4.14	49.45	74.00	24.55	horizontal	Peak
17354.40	43.29	5.91	49.20	68.20	19.00	horizontal	Peak
17913.60	35.10	7.60	42.70	54.00	11.30	horizontal	Average
17913.60	45.84	7.60	53.44	74.00	20.56	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5785
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



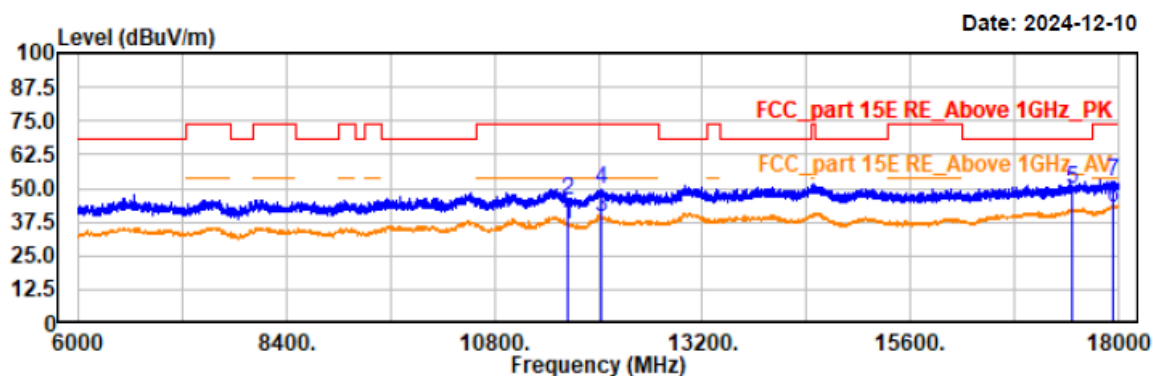
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11570.40	34.30	3.34	37.64	54.00	16.36	vertical	Average
11570.40	42.91	3.34	46.25	74.00	27.75	vertical	Peak
12063.60	34.74	4.13	38.87	54.00	15.13	vertical	Average
12063.60	45.42	4.13	49.55	74.00	24.45	vertical	Peak
17355.00	42.52	5.91	48.43	68.20	19.77	vertical	Peak
18000.00	35.21	7.74	42.95	54.00	11.05	vertical	Average
18000.00	45.00	7.74	52.74	74.00	21.26	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5825
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11649.60	32.85	3.53	36.38	54.00	17.62	horizontal	Average
11649.60	41.84	3.53	45.37	74.00	28.63	horizontal	Peak
12034.80	34.99	4.19	39.18	54.00	14.82	horizontal	Average
12034.80	45.36	4.19	49.55	74.00	24.45	horizontal	Peak
17475.00	43.57	6.23	49.80	68.20	18.40	horizontal	Peak
17943.60	35.36	7.65	43.01	54.00	10.99	horizontal	Average
17943.60	45.03	7.65	52.68	74.00	21.32	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11ac20-5825

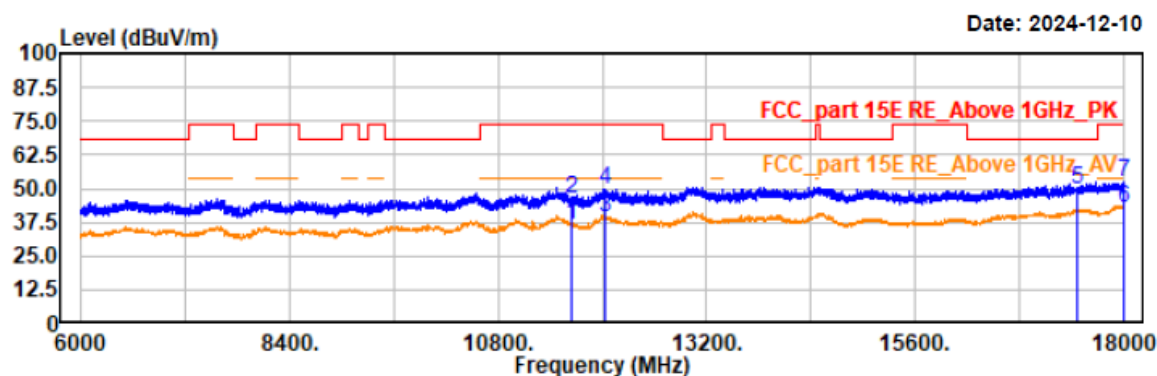
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

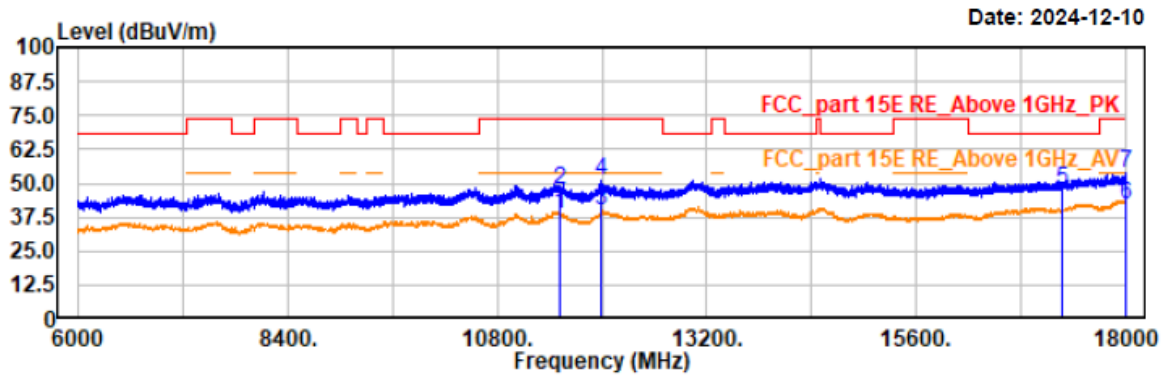
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11649.60	32.69	3.53	36.22	54.00	17.78	vertical	Average
11649.60	42.93	3.53	46.46	74.00	27.54	vertical	Peak
12033.60	34.81	4.19	39.00	54.00	15.00	vertical	Average
12033.60	45.69	4.19	49.88	74.00	24.12	vertical	Peak
17475.00	43.28	6.23	49.51	68.20	18.69	vertical	Peak
17998.80	35.00	7.74	42.74	54.00	11.26	vertical	Average
17998.80	44.93	7.74	52.67	74.00	21.33	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5755
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

**Trace: 1**

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11510.00	35.50	3.16	38.66	54.00	15.34	horizontal	Average
11510.00	44.37	3.16	47.53	74.00	26.47	horizontal	Peak
11995.20	35.59	4.24	39.83	54.00	14.17	horizontal	Average
11995.20	46.66	4.24	50.90	74.00	23.10	horizontal	Peak
17265.60	41.71	5.65	47.36	68.20	20.84	horizontal	Peak
17997.60	34.46	7.74	42.20	54.00	11.80	horizontal	Average
17997.60	45.80	7.74	53.54	74.00	20.46	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11ac40-5755

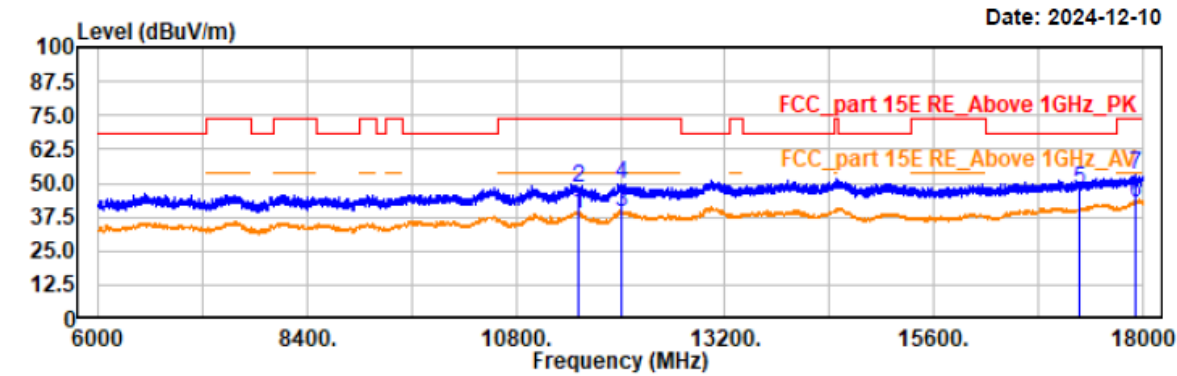
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

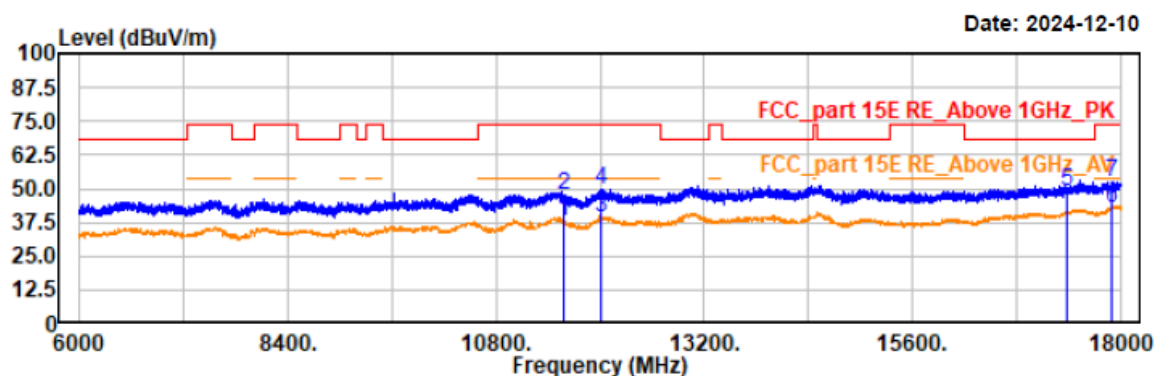
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11510.40	35.55	3.16	38.71	54.00	15.29	vertical	Average
11510.40	45.38	3.16	48.54	74.00	25.46	vertical	Peak
12002.40	35.37	4.25	39.62	54.00	14.38	vertical	Average
12002.40	45.38	4.25	49.63	74.00	24.37	vertical	Peak
17265.00	42.20	5.65	47.85	68.20	20.35	vertical	Peak
17913.60	35.13	7.60	42.73	54.00	11.27	vertical	Average
17913.60	45.44	7.60	53.04	74.00	20.96	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5795
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



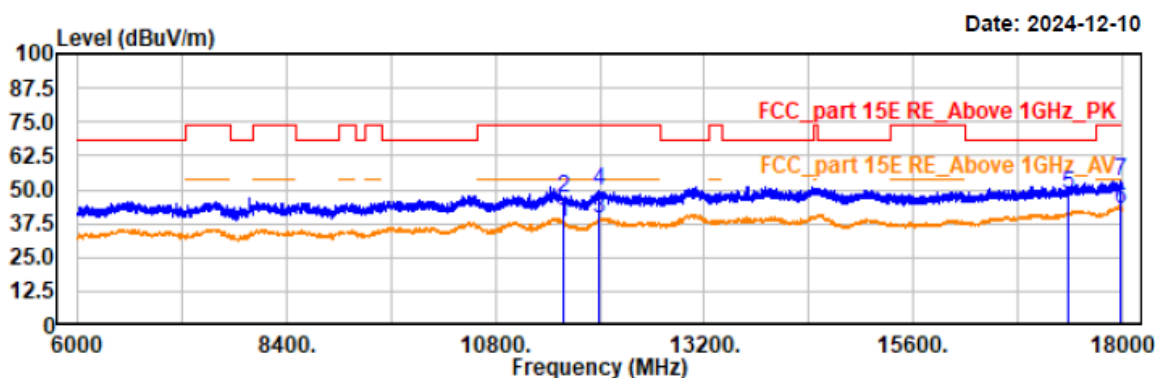
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11590.00	34.28	3.40	37.68	54.00	16.32	horizontal	Average
11590.00	44.33	3.40	47.73	74.00	26.27	horizontal	Peak
12010.80	35.14	4.23	39.37	54.00	14.63	horizontal	Average
12010.80	45.33	4.23	49.56	74.00	24.44	horizontal	Peak
17385.00	43.11	6.00	49.11	68.20	19.09	horizontal	Peak
17901.60	35.20	7.59	42.79	54.00	11.21	horizontal	Average
17901.60	44.98	7.59	52.57	74.00	21.43	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5795
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

**Trace: 1**

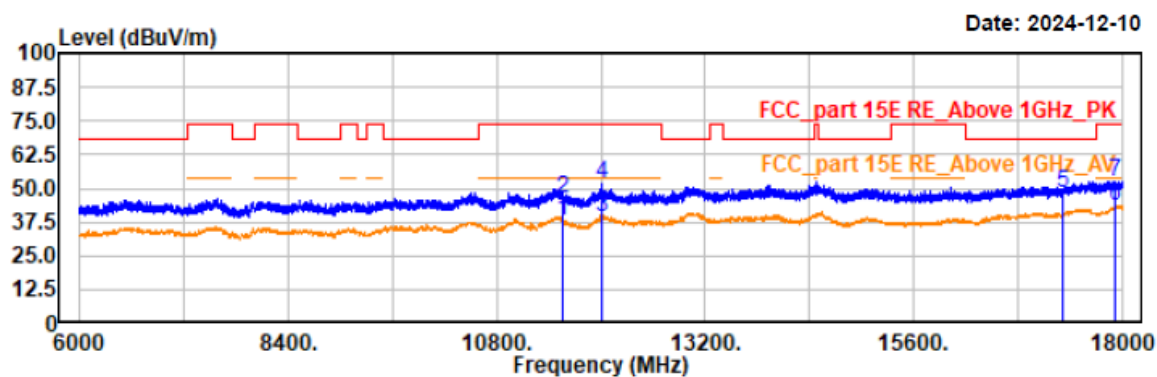
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11589.60	34.22	3.40	37.62	54.00	16.38	vertical	Average
11589.60	43.31	3.40	46.71	74.00	27.29	vertical	Peak
11996.40	35.20	4.24	39.44	54.00	14.56	vertical	Average
11996.40	45.68	4.24	49.92	74.00	24.08	vertical	Peak
17385.00	42.51	6.00	48.51	68.20	19.69	vertical	Peak
17985.60	35.32	7.73	43.05	54.00	10.95	vertical	Average
17985.60	45.65	7.73	53.38	74.00	20.62	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5775
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



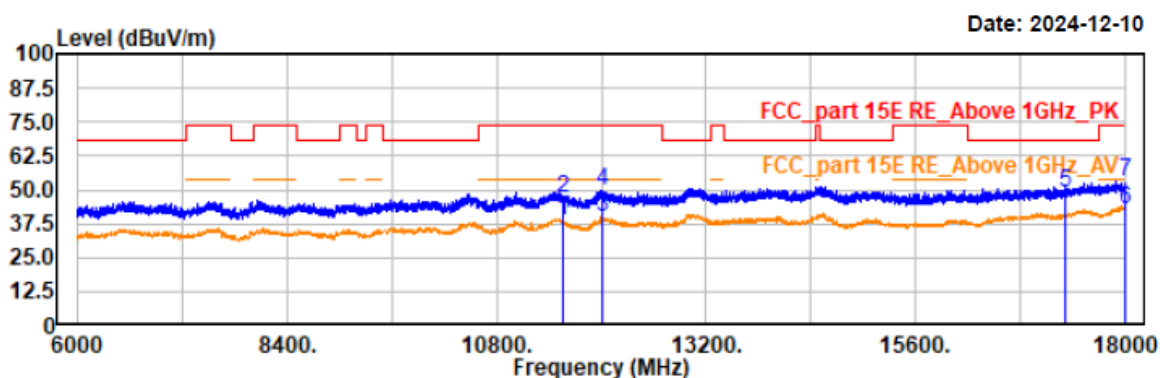
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11550.00	34.71	3.28	37.99	54.00	16.01	horizontal	Average
11550.00	43.22	3.28	46.50	74.00	27.50	horizontal	Peak
12003.60	35.36	4.24	39.60	54.00	14.40	horizontal	Average
12003.60	47.22	4.24	51.46	74.00	22.54	horizontal	Peak
17325.00	42.74	5.81	48.55	68.20	19.65	horizontal	Peak
17928.00	35.96	7.64	43.60	54.00	10.40	horizontal	Average
17928.00	44.78	7.64	52.42	74.00	21.58	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5775
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

**Trace: 1**

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11550.00	35.29	3.28	38.57	54.00	15.43	vertical	Average
11550.00	43.94	3.28	47.22	74.00	26.78	vertical	Peak
12007.20	35.78	4.24	40.02	54.00	13.98	vertical	Average
12007.20	45.47	4.24	49.71	74.00	24.29	vertical	Peak
17325.00	43.38	5.81	49.19	68.20	19.01	vertical	Peak
18000.00	34.96	7.74	42.70	54.00	11.30	vertical	Average
18000.00	45.09	7.74	52.83	74.00	21.17	vertical	Peak

5) 18GHz-40GHz

EUT operation mode: Transmitting in 802.11ac20 5320MHz in Z-axis of orientation (worst case)

Project No.: 2407T76694E-RF

Test Mode: 802.11ac20 5320

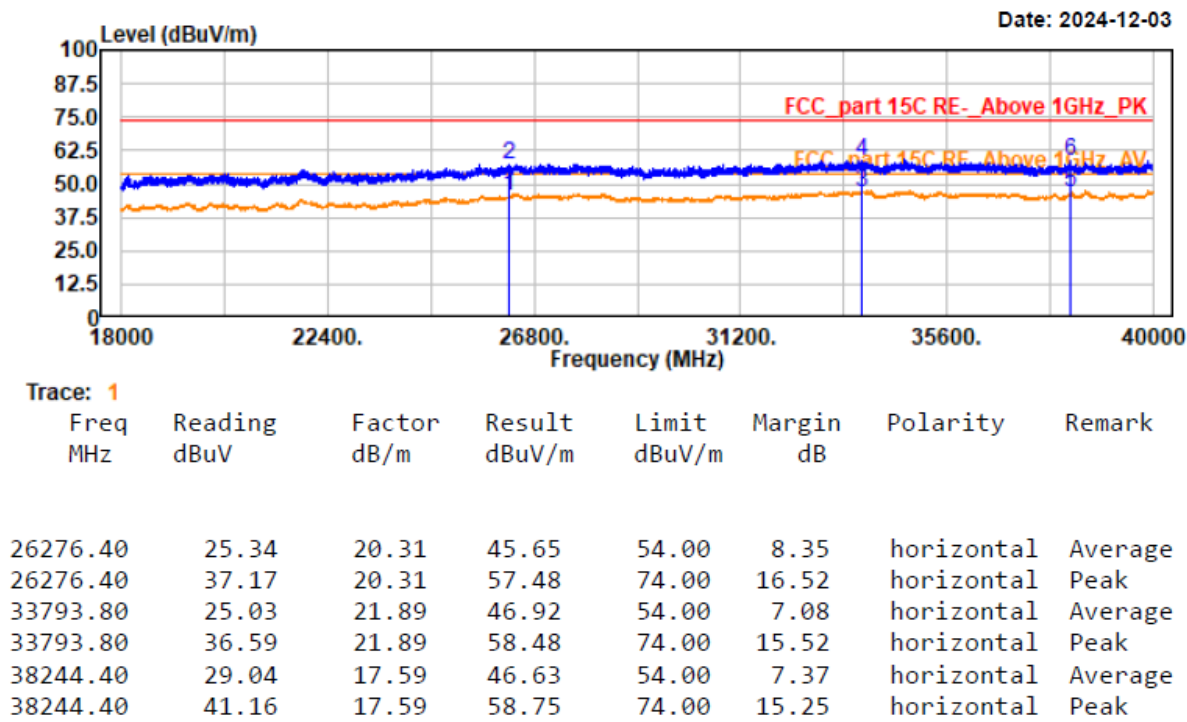
EUT Model: PH81

Test distance: 1m

Temp/Humi/ATM: 24.3°C/49%/99.9kPa

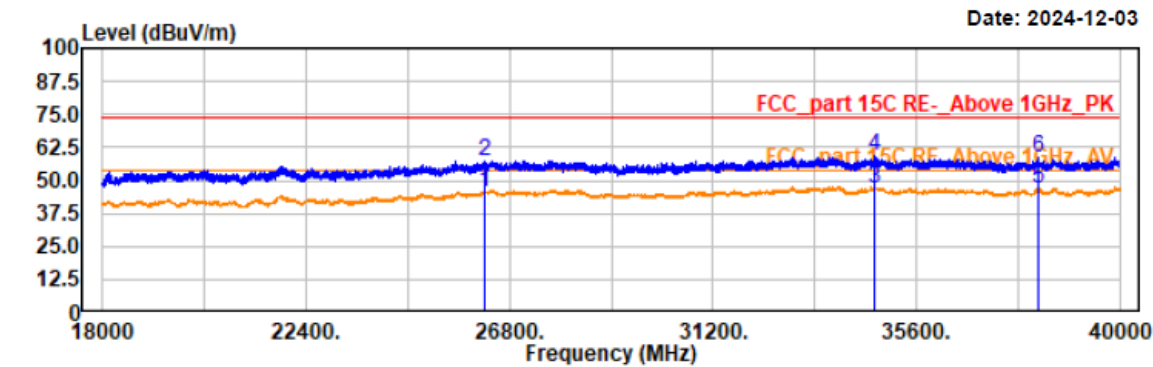
Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Project No.: 2407T76694E-RF
Test Mode: 802.11ac20 5320
EUT Model: PH81
Test distance: 1m

Temp/Humi/ATM: 24.3°C/49%/99.9kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

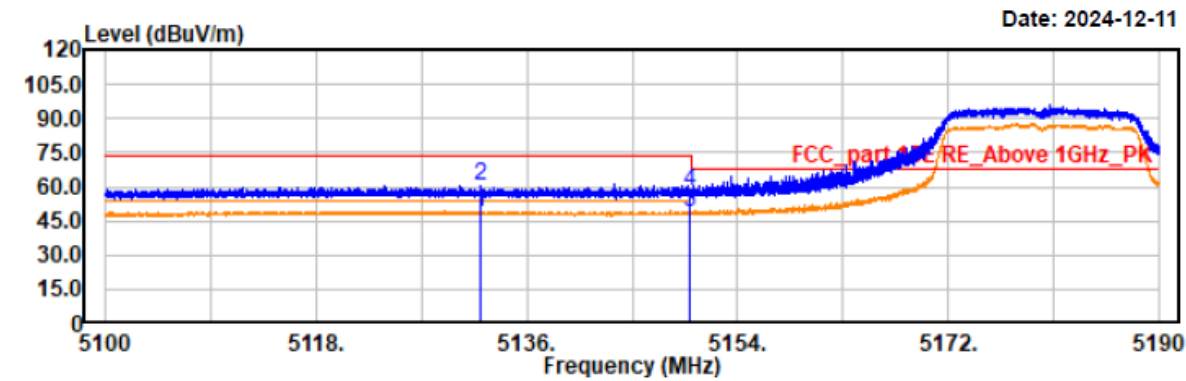
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
26276.40	24.98	20.31	45.29	54.00	8.71	vertical	Average
26276.40	37.17	20.31	57.48	74.00	16.52	vertical	Peak
34680.40	24.96	21.76	46.72	54.00	7.28	vertical	Average
34680.40	37.32	21.76	59.08	74.00	14.92	vertical	Peak
38244.40	29.21	17.59	46.80	54.00	7.20	vertical	Average
38244.40	41.16	17.59	58.75	74.00	15.25	vertical	Peak

Restricted Bands Emissions:

For 5150-5250 MHz:

Project No.: 2407T76694E-RF
Test Mode: 11a-5180
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5132.00	35.40	12.28	47.68	54.00	6.32	horizontal	Average
5132.00	48.04	12.28	60.32	74.00	13.68	horizontal	Peak
5149.99	35.10	12.32	47.42	54.00	6.58	horizontal	Average
5149.99	45.90	12.32	58.22	74.00	15.78	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11a-5180

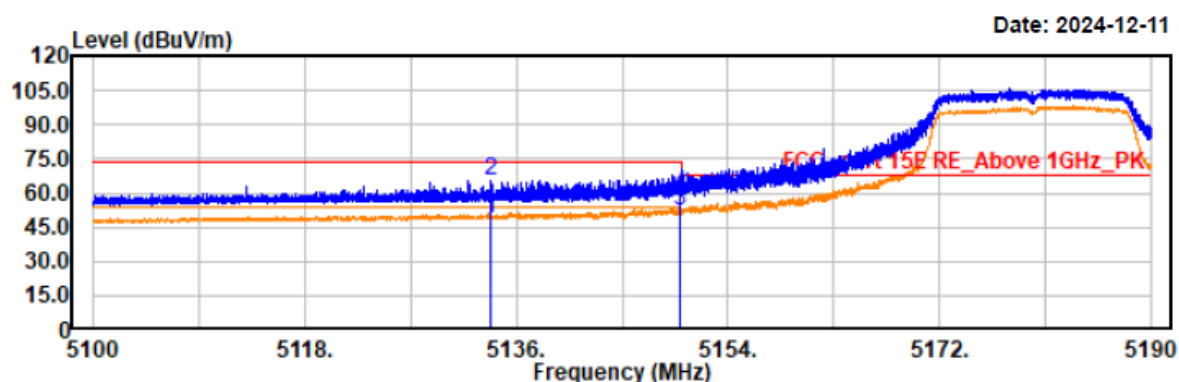
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

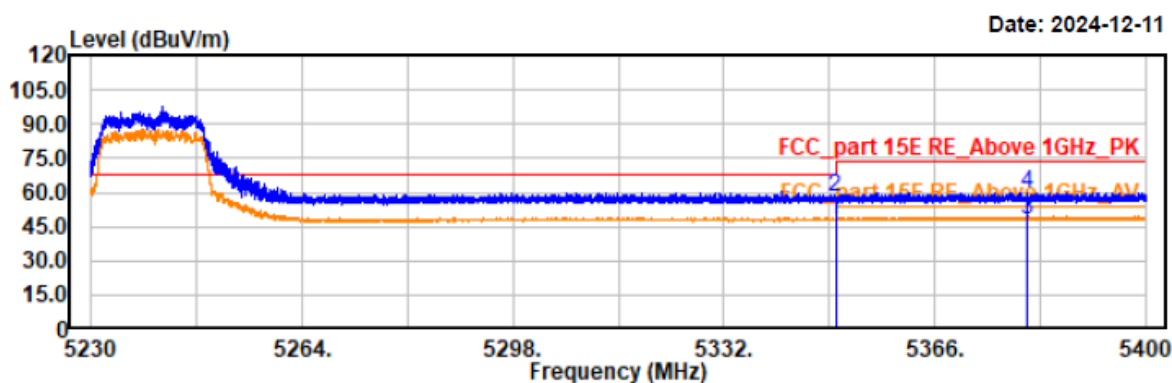
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5133.88	36.91	12.30	49.21	54.00	4.79	vertical	Average
5133.88	52.91	12.30	65.21	74.00	8.79	vertical	Peak
5149.99	39.52	12.32	51.84	54.00	2.16	vertical	Average
5149.99	47.55	12.32	59.87	74.00	14.13	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5240
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

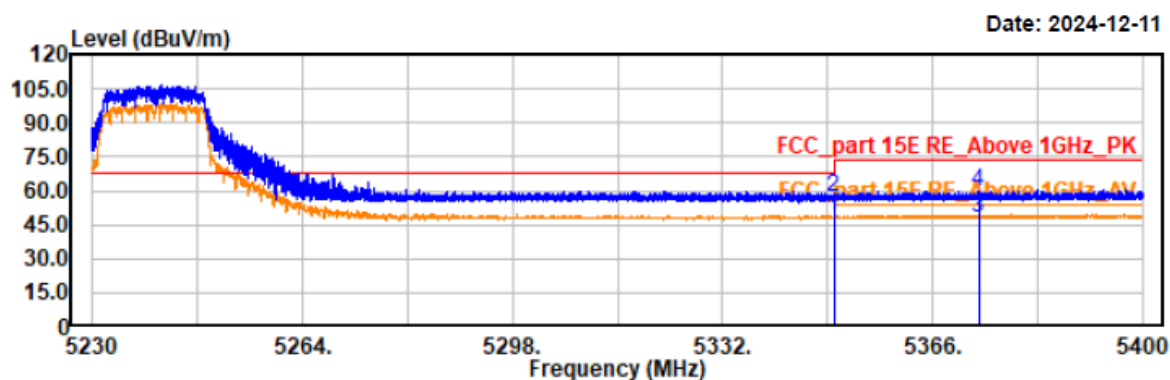
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.00	35.10	12.75	47.95	54.00	6.05	horizontal	Average
5350.00	45.01	12.75	57.76	74.00	16.24	horizontal	Peak
5380.86	34.58	12.81	47.39	54.00	6.61	horizontal	Average
5380.86	47.19	12.81	60.00	74.00	14.00	horizontal	Peak

Project No.: 2407T76694E-RF
 Test Mode: 11a-5240
 EUT Model: PH81
 Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



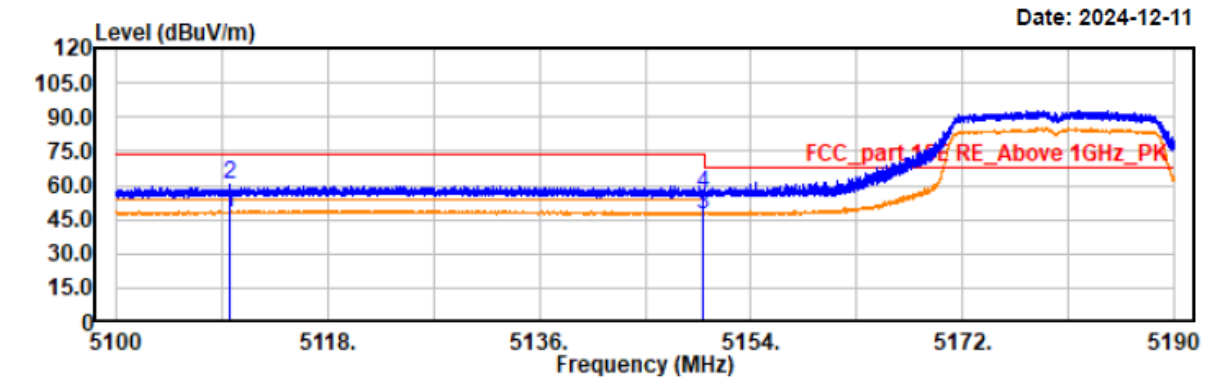
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.00	34.82	12.75	47.57	54.00	6.43	vertical	Average
5350.00	44.13	12.75	56.88	74.00	17.12	vertical	Peak
5373.43	34.58	12.80	47.38	54.00	6.62	vertical	Average
5373.43	46.95	12.80	59.75	74.00	14.25	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5180
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

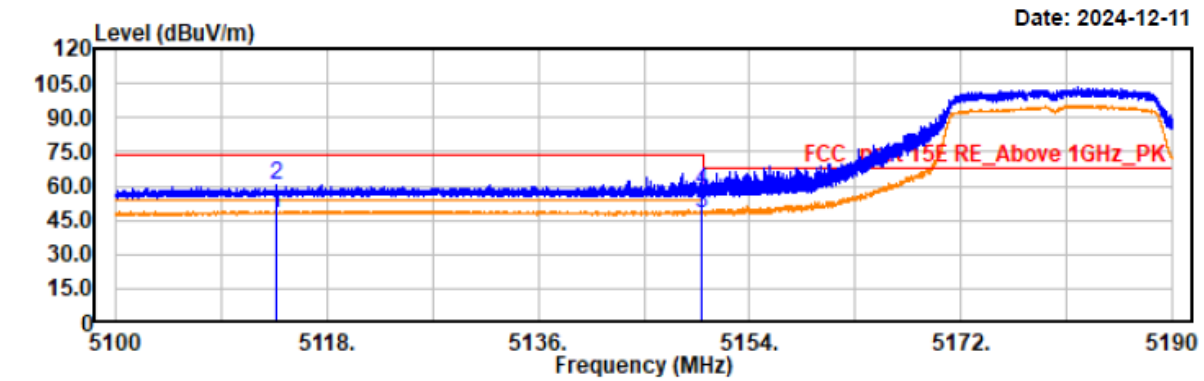


Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5109.61	35.61	12.24	47.85	54.00	6.15	horizontal	Average
5109.61	47.94	12.24	60.18	74.00	13.82	horizontal	Peak
5149.99	35.15	12.32	47.47	54.00	6.53	horizontal	Average
5149.99	44.01	12.32	56.33	74.00	17.67	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5180
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

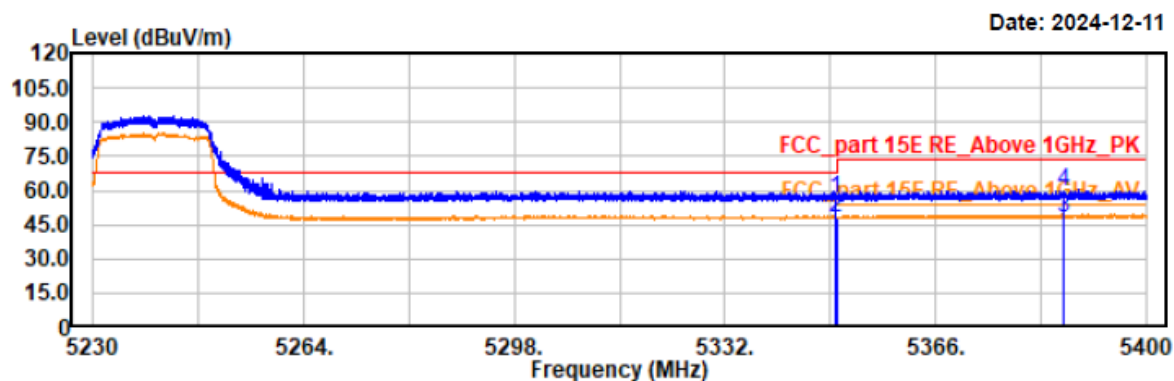


Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5113.64	34.89	12.25	47.14	54.00	6.86	vertical	Average
5113.64	48.25	12.25	60.50	74.00	13.50	vertical	Peak
5149.99	34.78	12.32	47.10	54.00	6.90	vertical	Average
5149.99	45.26	12.32	57.58	74.00	16.42	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5240
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

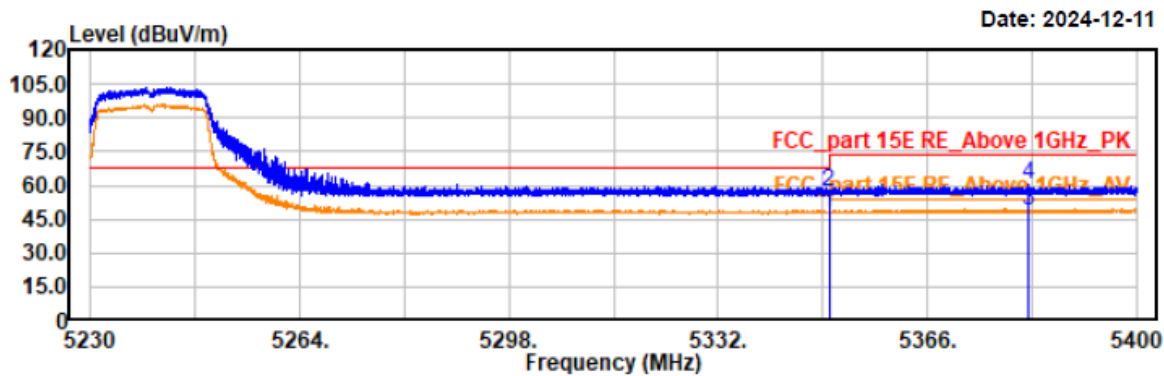
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5349.99	43.54	12.75	56.29	74.00	17.71	horizontal	Peak
5350.00	35.15	12.75	47.90	54.00	6.10	horizontal	Average
5386.79	35.08	12.82	47.90	54.00	6.10	horizontal	Average
5386.79	46.95	12.82	59.77	74.00	14.23	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5240
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



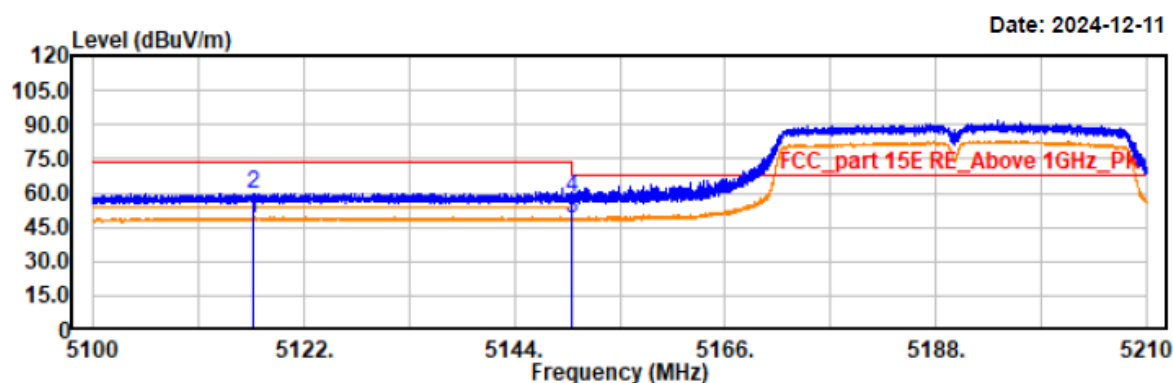
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.00	35.09	12.75	47.84	54.00	6.16	vertical	Average
5350.00	44.70	12.75	57.45	74.00	16.55	vertical	Peak
5382.51	35.11	12.82	47.93	54.00	6.07	vertical	Average
5382.51	47.35	12.82	60.17	74.00	13.83	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5190
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



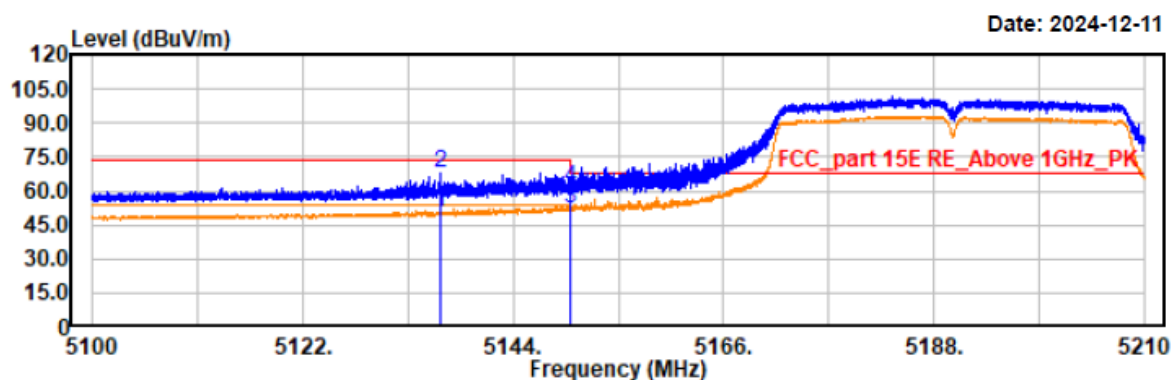
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5116.71	35.35	12.25	47.60	54.00	6.40	horizontal	Average
5116.71	47.68	12.25	59.93	74.00	14.07	horizontal	Peak
5150.00	35.19	12.32	47.51	54.00	6.49	horizontal	Average
5150.00	45.46	12.32	57.78	74.00	16.22	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5190
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



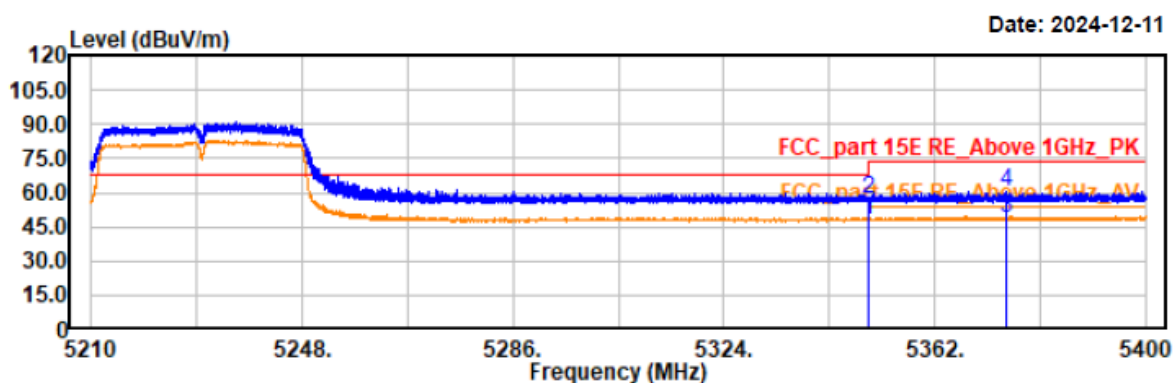
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5136.40	37.98	12.30	50.28	54.00	3.72	vertical	Average
5136.40	55.52	12.30	67.82	74.00	6.18	vertical	Peak
5150.00	39.82	12.32	52.14	54.00	1.86	vertical	Average
5150.00	49.17	12.32	61.49	74.00	12.51	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5230
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

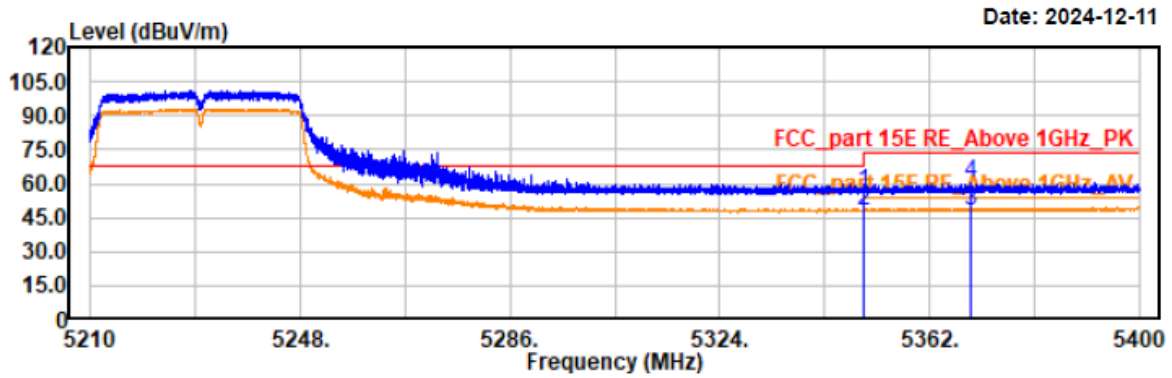
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.00	35.12	12.75	47.87	54.00	6.13	horizontal	Average
5350.00	44.46	12.75	57.21	74.00	16.79	horizontal	Peak
5374.91	35.14	12.80	47.94	54.00	6.06	horizontal	Average
5374.91	47.34	12.80	60.14	74.00	13.86	horizontal	Peak

Project No.: 2407T76694E-RF
 Test Mode: 11ac40-5230
 EUT Model: PH81
 Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

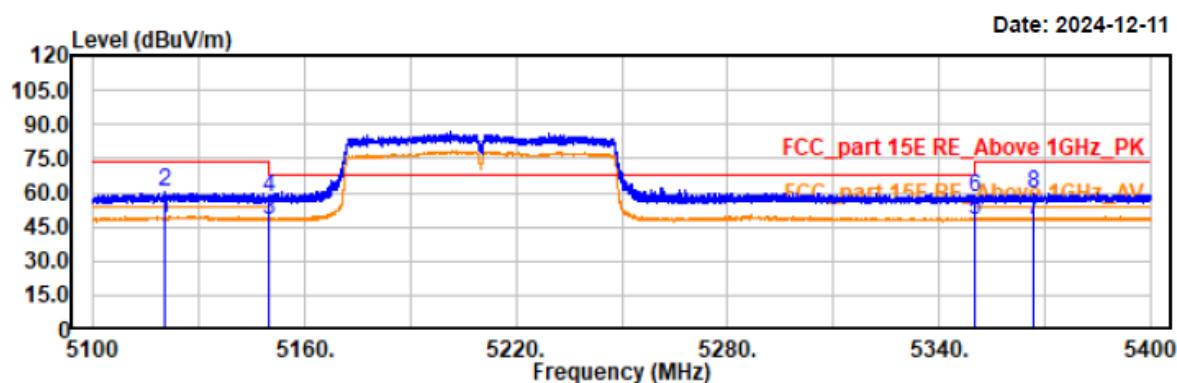
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5349.99	43.31	12.75	56.06	74.00	17.94	vertical	Peak
5350.00	35.13	12.75	47.88	54.00	6.12	vertical	Average
5369.32	35.10	12.79	47.89	54.00	6.11	vertical	Average
5369.32	47.36	12.79	60.15	74.00	13.85	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5210
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

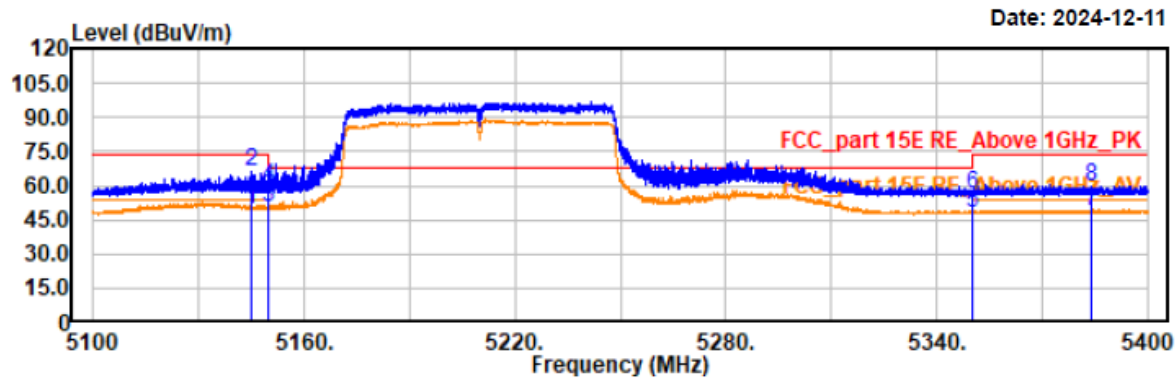
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5120.19	35.66	12.26	47.92	54.00	6.08	horizontal	Average
5120.19	47.75	12.26	60.01	74.00	13.99	horizontal	Peak
5150.00	34.94	12.32	47.26	54.00	6.74	horizontal	Average
5150.00	45.96	12.32	58.28	74.00	15.72	horizontal	Peak
5350.00	34.26	12.75	47.01	54.00	6.99	horizontal	Average
5350.00	45.11	12.75	57.86	74.00	16.14	horizontal	Peak
5366.67	34.34	12.77	47.11	54.00	6.89	horizontal	Average
5366.67	46.97	12.77	59.74	74.00	14.26	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5210
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



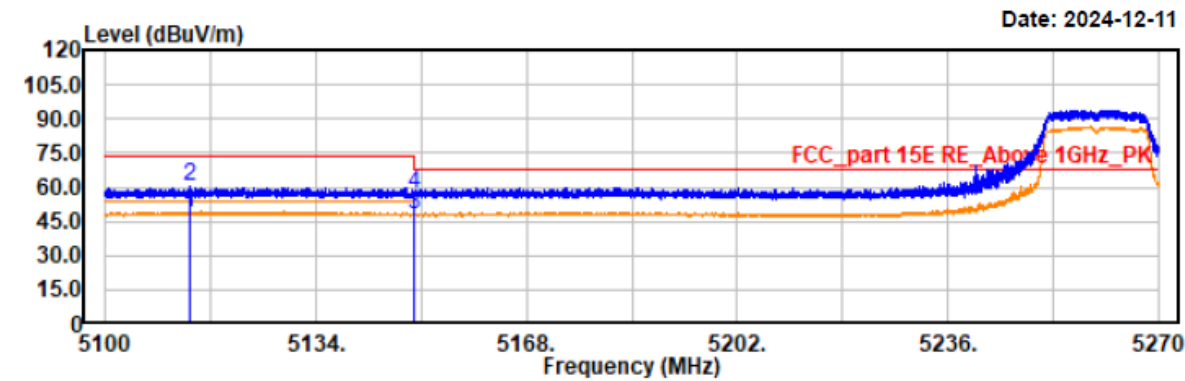
Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5144.82	37.69	12.32	50.01	54.00	3.99	vertical	Average
5144.82	53.88	12.32	66.20	74.00	7.80	vertical	Peak
5150.00	38.16	12.32	50.48	54.00	3.52	vertical	Average
5150.00	46.89	12.32	59.21	74.00	14.79	vertical	Peak
5350.00	34.64	12.75	47.39	54.00	6.61	vertical	Average
5350.00	43.68	12.75	56.43	74.00	17.57	vertical	Peak
5383.92	35.14	12.82	47.95	54.00	6.05	vertical	Average
5383.92	46.98	12.82	59.80	74.00	14.20	vertical	Peak

For 5250-5350 MHz:

Project No.: 2407T76694E-RF
Test Mode: 11a-5260
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5113.79	35.17	12.25	47.42	54.00	6.58	horizontal	Average
5113.79	48.18	12.25	60.43	74.00	13.57	horizontal	Peak
5150.00	34.91	12.32	47.23	54.00	6.77	horizontal	Average
5150.00	44.53	12.32	56.85	74.00	17.15	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11a-5260

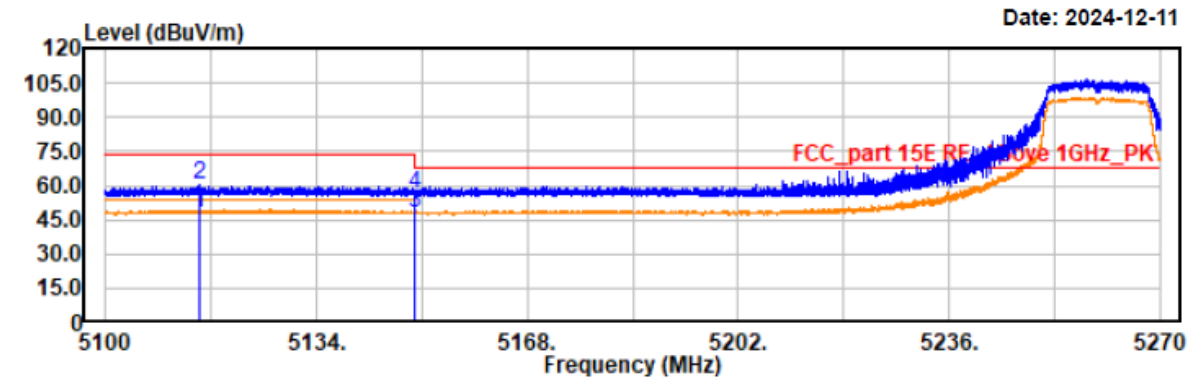
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



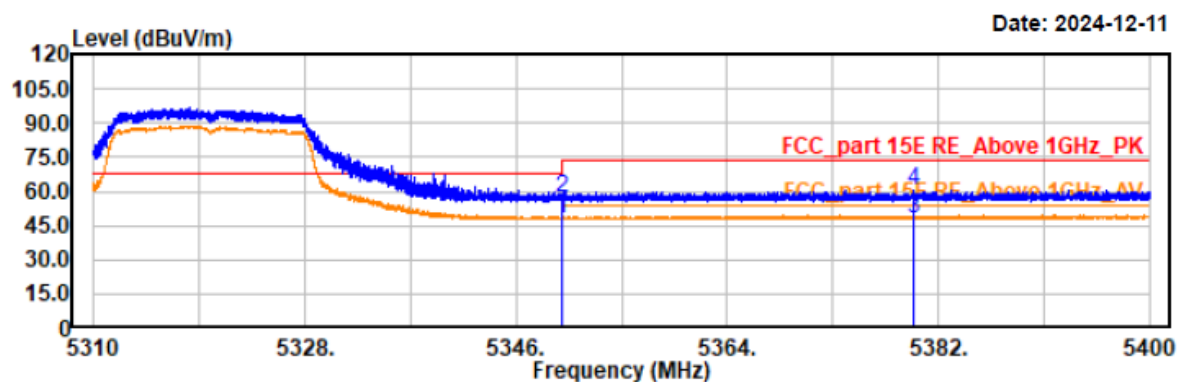
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5115.05	35.12	12.25	47.37	54.00	6.63	vertical	Average
5115.05	48.18	12.25	60.43	74.00	13.57	vertical	Peak
5150.00	35.44	12.32	47.76	54.00	6.24	vertical	Average
5150.00	43.92	12.32	56.24	74.00	17.76	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5320
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	35.10	12.75	47.85	54.00	6.15	horizontal	Average
5350.01	44.67	12.75	57.42	74.00	16.58	horizontal	Peak
5379.94	34.60	12.81	47.41	54.00	6.59	horizontal	Average
5379.94	47.99	12.81	60.80	74.00	13.20	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11a-5320

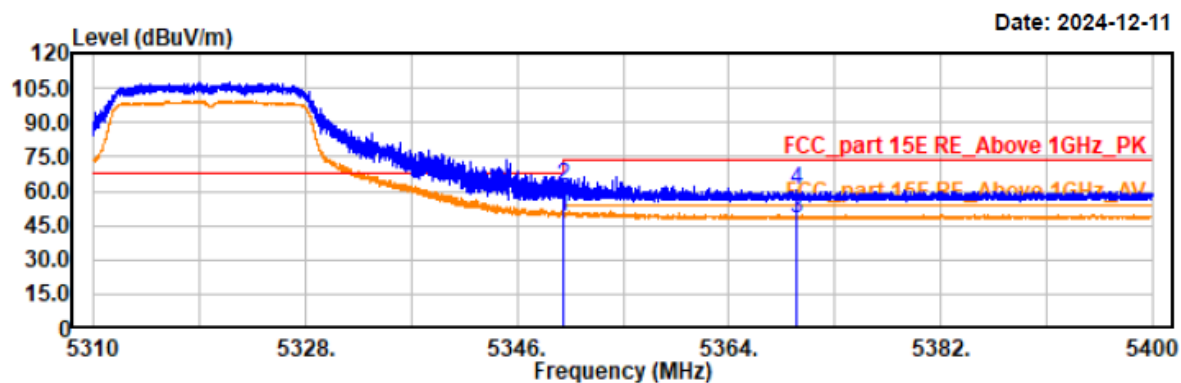
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

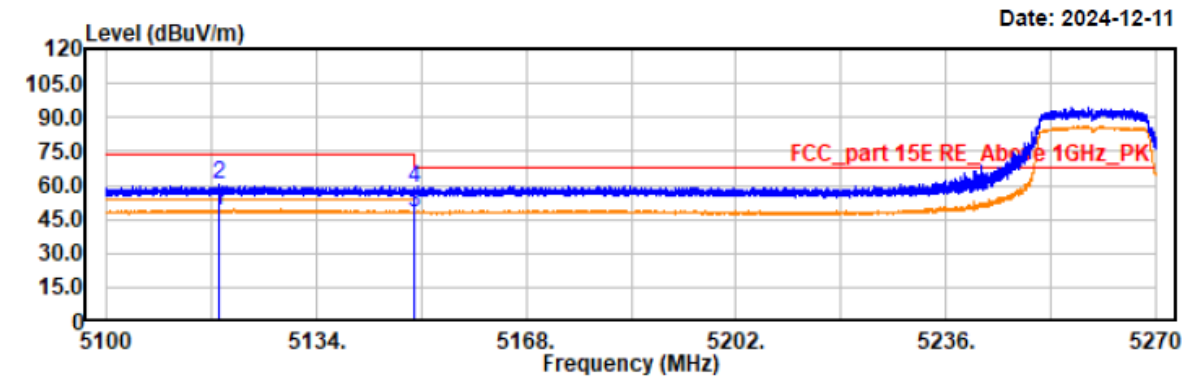
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	35.08	12.75	47.83	54.00	6.17	vertical	Average
5350.01	48.97	12.75	61.72	74.00	12.28	vertical	Peak
5369.77	34.43	12.79	47.22	54.00	6.78	vertical	Average
5369.77	47.71	12.79	60.50	74.00	13.50	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5260
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5118.22	35.25	12.26	47.51	54.00	6.49	horizontal	Average
5118.22	47.95	12.26	60.21	74.00	13.79	horizontal	Peak
5150.00	35.59	12.32	47.91	54.00	6.09	horizontal	Average
5150.00	46.32	12.32	58.64	74.00	15.36	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11ac20-5260

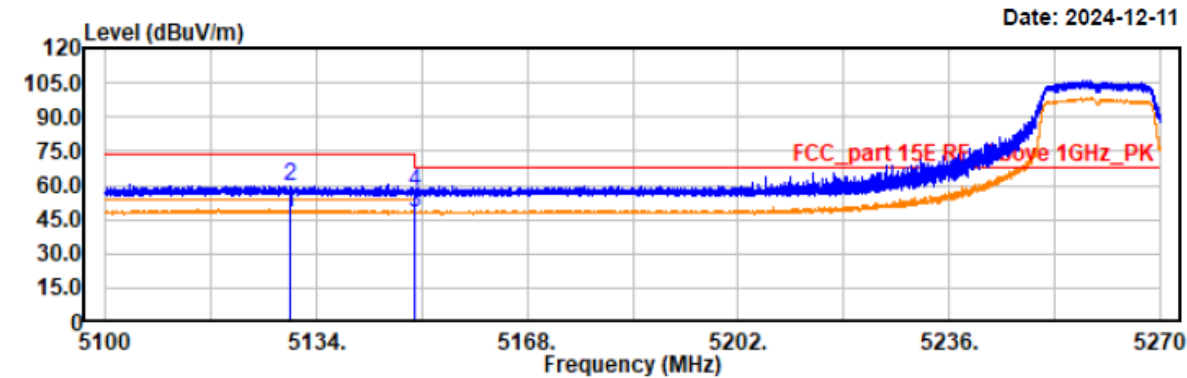
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

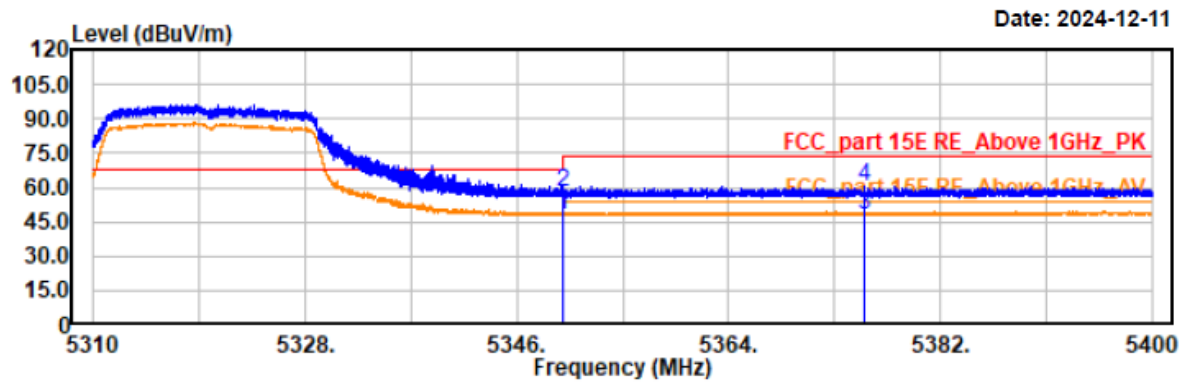
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5129.80	35.09	12.28	47.37	54.00	6.63	vertical	Average
5129.80	47.54	12.28	59.82	74.00	14.18	vertical	Peak
5150.00	35.63	12.32	47.95	54.00	6.05	vertical	Average
5150.00	45.01	12.32	57.33	74.00	16.67	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5320
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	35.03	12.75	47.78	54.00	6.22	horizontal	Average
5350.01	45.57	12.75	58.32	74.00	15.68	horizontal	Peak
5375.58	34.56	12.80	47.36	54.00	6.64	horizontal	Average
5375.58	47.70	12.80	60.50	74.00	13.50	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11ac20-5320

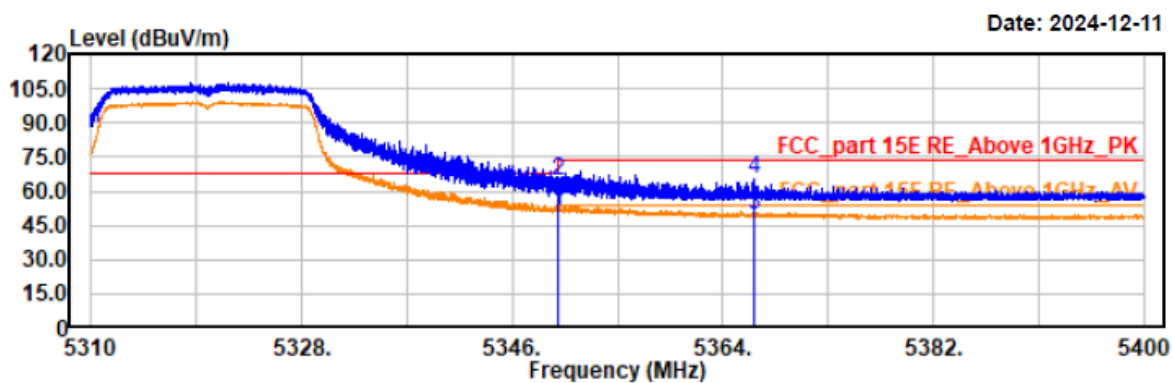
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Trace: 1

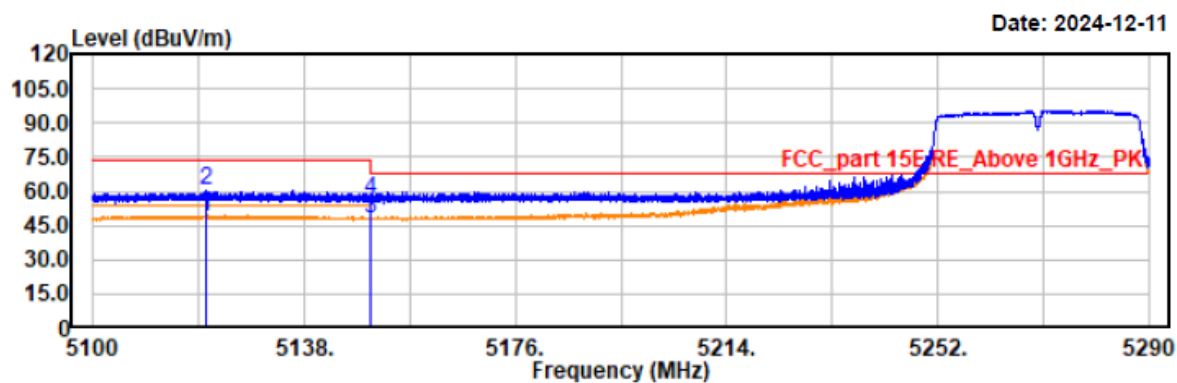
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	38.79	12.75	51.54	54.00	2.46	vertical	Average
5350.01	52.14	12.75	64.89	74.00	9.11	vertical	Peak
5366.71	36.47	12.77	49.24	54.00	4.76	vertical	Average
5366.71	52.86	12.77	65.63	74.00	8.37	vertical	Peak

Project No.: 2407T76694E-RF
 Test Mode: 11ac40-5270
 EUT Model: PH81
 Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



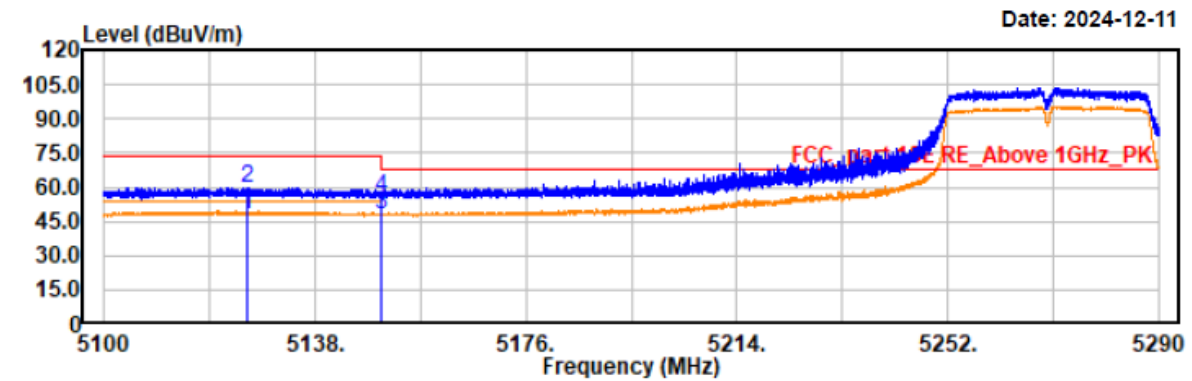
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
 AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5120.25	35.38	12.26	47.64	54.00	6.36	horizontal	Average
5120.25	47.77	12.26	60.03	74.00	13.97	horizontal	Peak
5149.99	35.49	12.32	47.81	54.00	6.19	horizontal	Average
5149.99	43.61	12.32	55.93	74.00	18.07	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5270
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



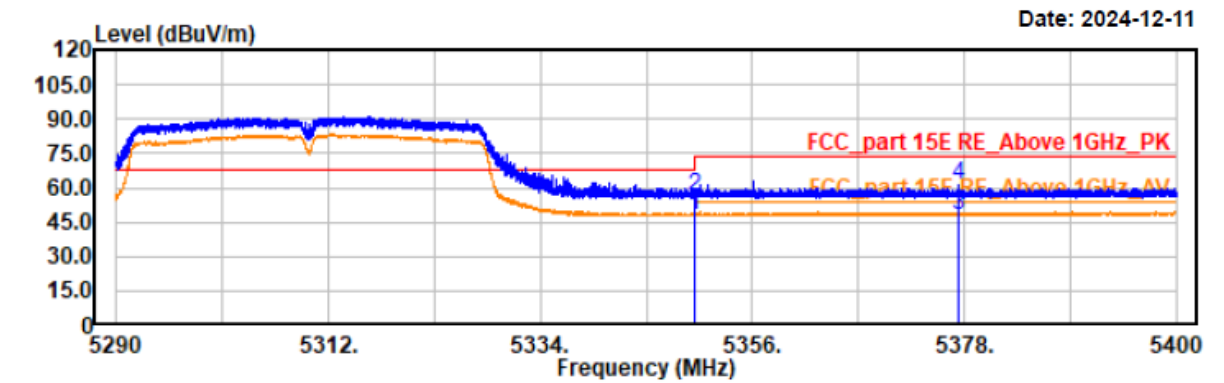
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5125.80	35.02	12.27	47.29	54.00	6.71	vertical	Average
5125.80	47.69	12.27	59.96	74.00	14.04	vertical	Peak
5149.99	35.29	12.32	47.61	54.00	6.39	vertical	Average
5149.99	43.18	12.32	55.50	74.00	18.50	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5310
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



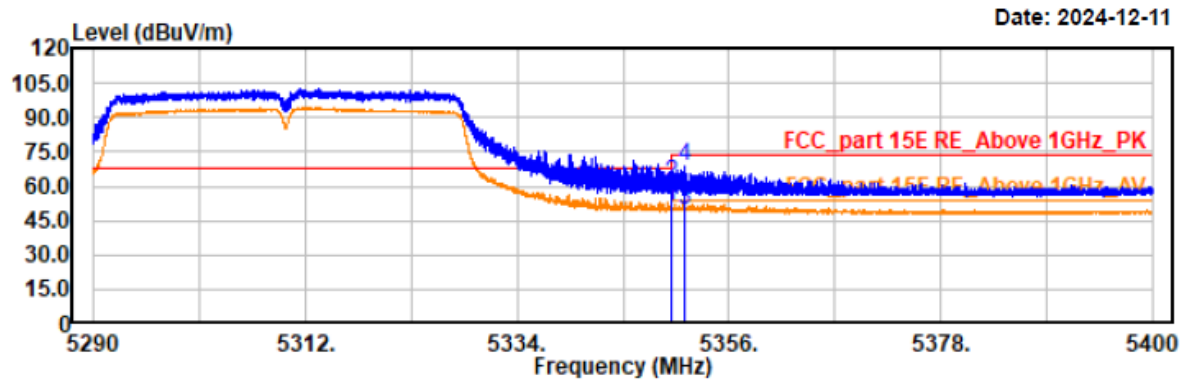
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	35.02	12.75	47.77	54.00	6.23	horizontal	Average
5350.01	43.62	12.75	56.37	74.00	17.63	horizontal	Peak
5377.43	34.53	12.80	47.33	54.00	6.67	horizontal	Average
5377.43	48.04	12.80	60.84	74.00	13.16	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5310
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3°C/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

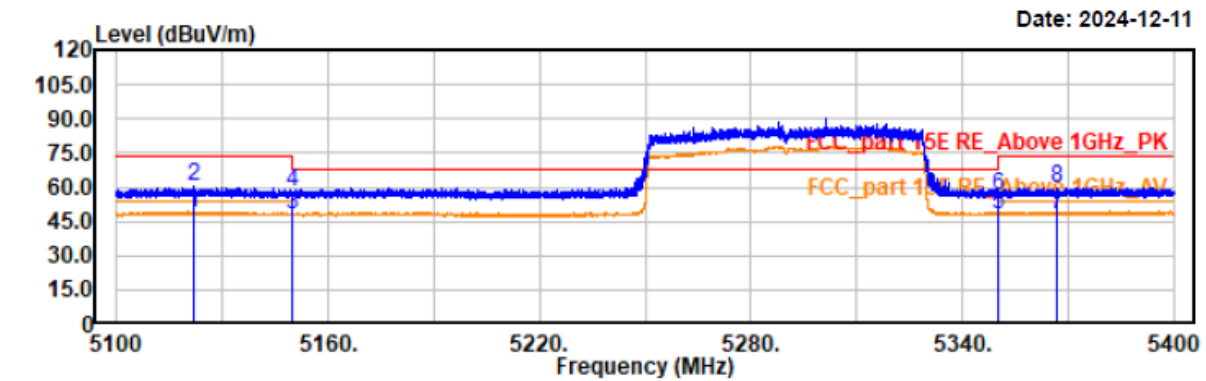
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5350.01	38.56	12.75	51.31	54.00	2.69	vertical	Average
5350.01	48.62	12.75	61.37	74.00	12.63	vertical	Peak
5351.38	36.84	12.75	49.59	54.00	4.41	vertical	Average
5351.38	55.82	12.75	68.57	74.00	5.43	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5290
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 23.3℃/54%/100.3kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

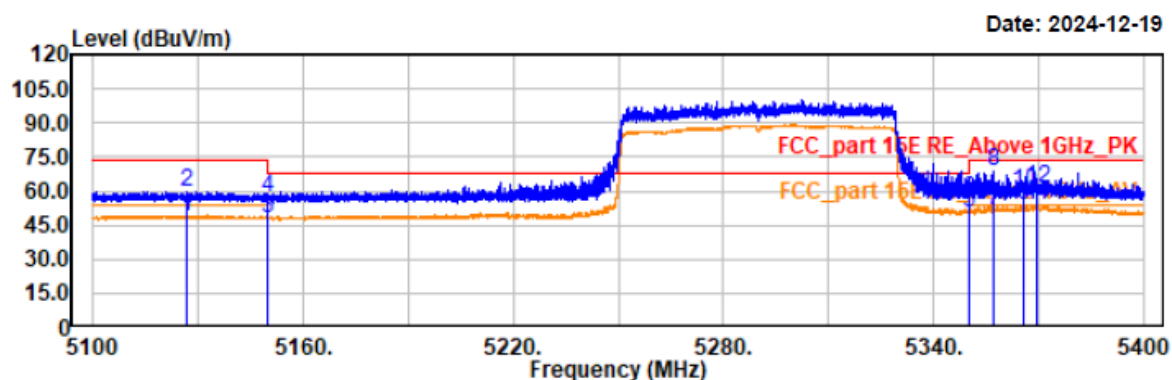


Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5122.08	35.50	12.26	47.76	54.00	6.24	horizontal	Average
5122.08	48.22	12.26	60.48	74.00	13.52	horizontal	Peak
5150.00	35.49	12.32	47.81	54.00	6.19	horizontal	Average
5150.00	45.44	12.32	57.76	74.00	16.24	horizontal	Peak
5350.00	35.09	12.75	47.84	54.00	6.16	horizontal	Average
5350.00	43.82	12.75	56.57	74.00	17.43	horizontal	Peak
5367.00	35.14	12.77	47.91	54.00	6.09	horizontal	Average
5367.00	47.05	12.77	59.82	74.00	14.18	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5290
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

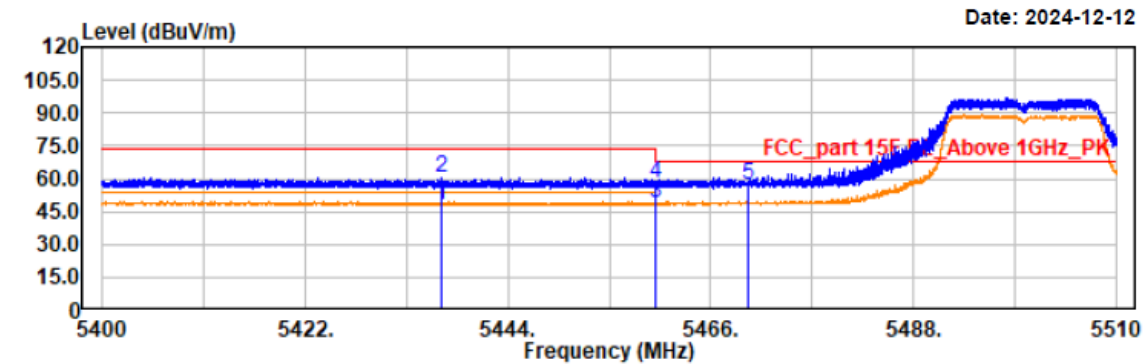
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5126.67	36.16	12.27	48.43	54.00	5.57	vertical	Average
5126.67	47.60	12.27	59.87	74.00	14.13	vertical	Peak
5149.99	35.53	12.32	47.85	54.00	6.15	vertical	Average
5149.99	44.52	12.32	56.84	74.00	17.16	vertical	Peak
5350.00	37.63	12.75	50.38	54.00	3.62	vertical	Average
5350.00	43.39	12.75	56.14	74.00	17.86	vertical	Peak
5356.95	38.71	12.75	51.46	54.00	2.54	vertical	Average
5356.95	56.19	12.75	68.94	74.00	5.06	vertical	Peak
5365.53	40.88	12.77	53.65	54.00	0.35	vertical	Average
5365.53	46.44	12.77	59.21	74.00	14.79	vertical	Peak
5369.49	40.74	12.79	53.53	54.00	0.47	vertical	Average
5369.49	48.50	12.79	61.29	74.00	12.71	vertical	Peak

For 5470-5725 MHz:

Project No.: 2407T76694E-RF
Test Mode: 11a-5500
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



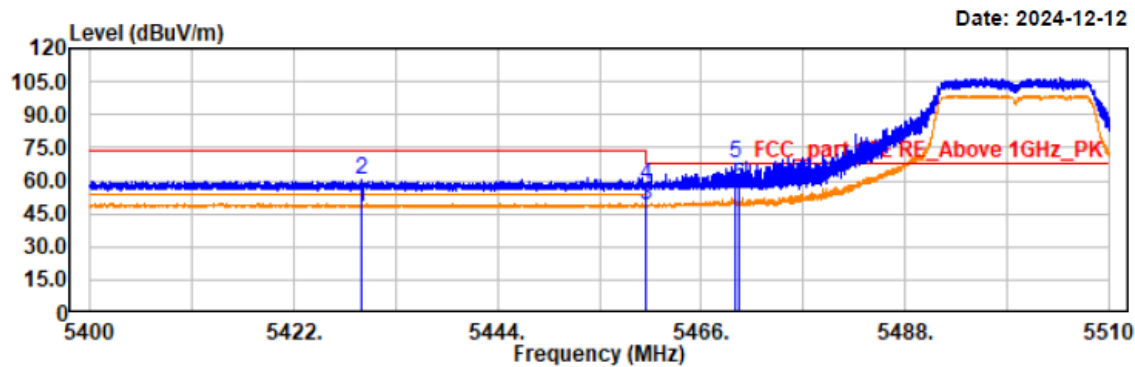
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5436.77	34.37	12.93	47.30	54.00	6.70	horizontal	Average
5436.77	47.20	12.93	60.13	74.00	13.87	horizontal	Peak
5459.99	34.68	12.96	47.64	54.00	6.36	horizontal	Average
5459.99	44.72	12.96	57.68	74.00	16.32	horizontal	Peak
5470.00	44.16	12.96	57.12	68.20	11.08	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5500
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5429.25	35.48	12.92	48.40	54.00	5.60	vertical	Average
5429.25	47.42	12.92	60.34	74.00	13.66	vertical	Peak
5459.99	35.63	12.96	48.59	54.00	5.41	vertical	Average
5459.99	45.24	12.96	58.20	74.00	15.80	vertical	Peak
5469.71	54.73	12.96	67.69	68.20	0.51	vertical	Peak
5470.00	45.16	12.96	58.12	68.20	10.08	vertical	Peak

Project No.: 2407T76694E-RF

Test Mode: 11a-5700

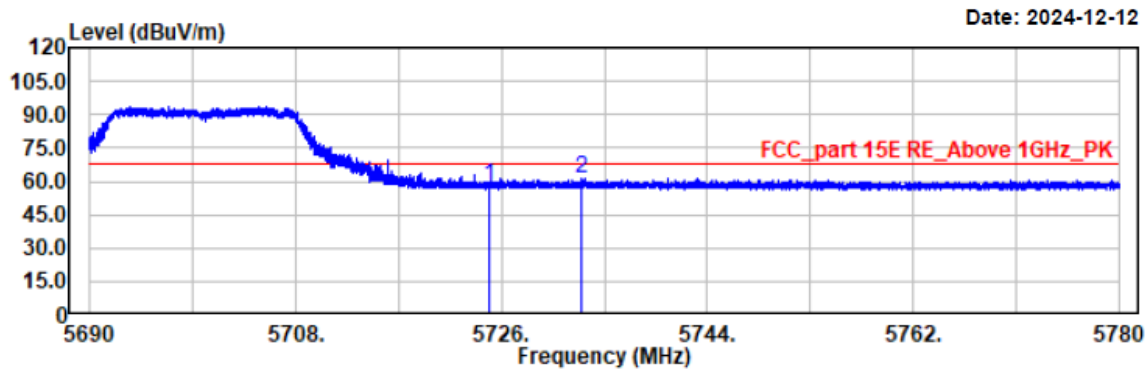
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz

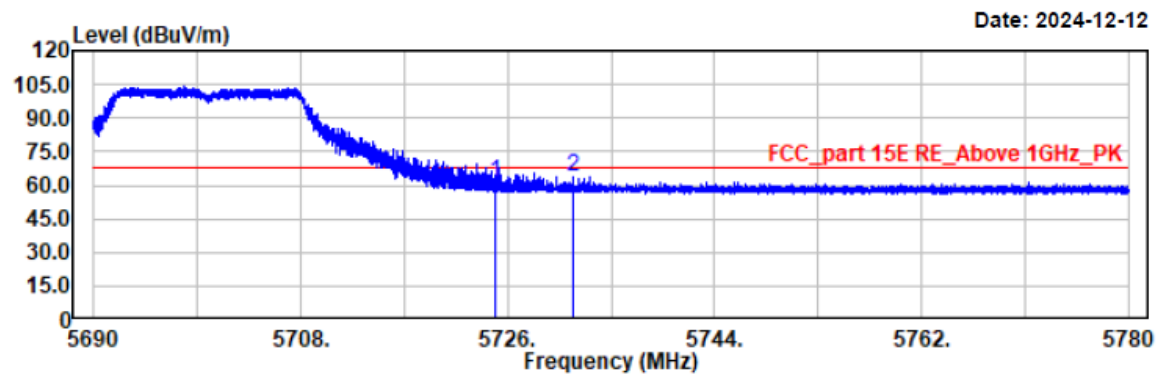


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.73	13.45	58.18	68.20	10.02	horizontal	Peak
5733.04	47.69	13.45	61.14	68.20	7.06	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5700
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

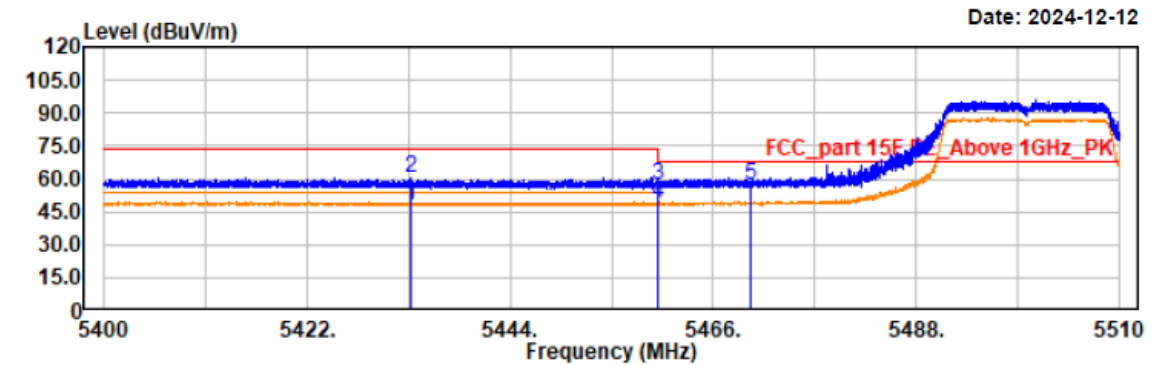


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	48.18	13.45	61.63	68.20	6.57	vertical	Peak
5731.73	50.35	13.45	63.80	68.20	4.40	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5500
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



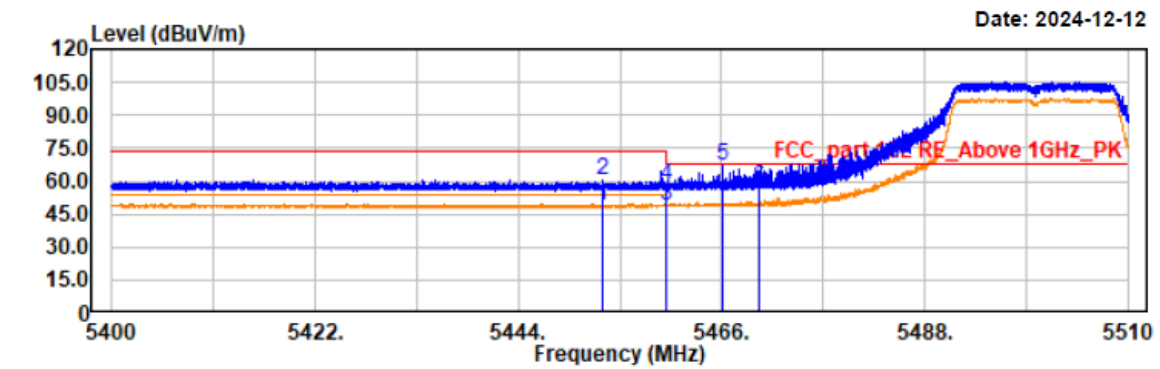
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5433.17	34.33	12.93	47.26	54.00	6.74	horizontal	Average
5433.17	47.47	12.93	60.40	74.00	13.60	horizontal	Peak
5459.99	43.85	12.96	56.81	74.00	17.19	horizontal	Peak
5459.99	34.52	12.96	47.48	54.00	6.52	horizontal	Average
5470.00	44.44	12.96	57.40	68.20	10.80	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5500
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



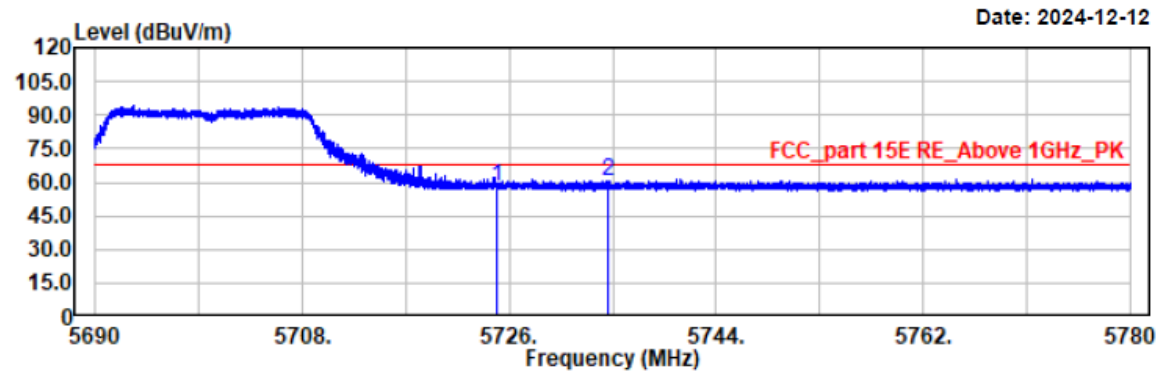
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5453.13	35.54	12.95	48.49	54.00	5.51	vertical	Average
5453.13	47.68	12.95	60.63	74.00	13.37	vertical	Peak
5459.99	36.07	12.96	49.03	54.00	4.97	vertical	Average
5459.99	44.75	12.96	57.71	74.00	16.29	vertical	Peak
5466.12	54.08	12.96	67.04	68.20	1.16	vertical	Peak
5470.00	43.91	12.96	56.87	68.20	11.33	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5700
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

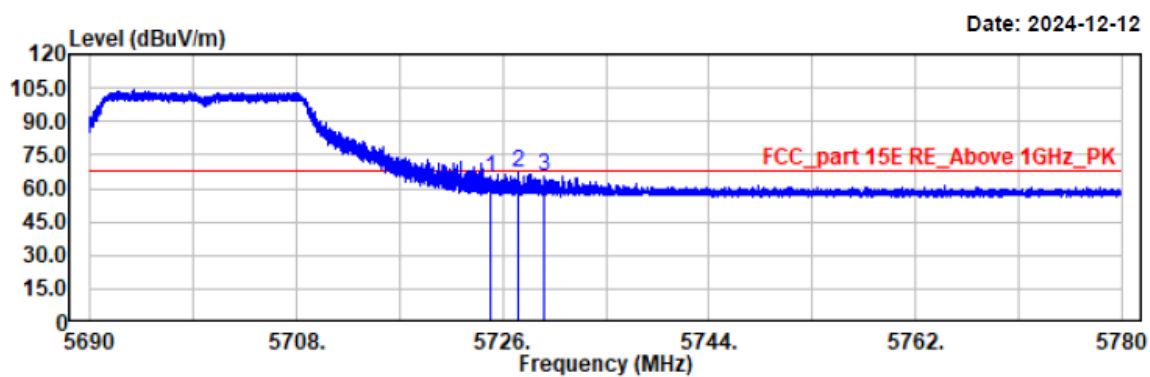


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.42	13.45	57.87	68.20	10.33	horizontal	Peak
5734.65	47.15	13.45	60.60	68.20	7.60	horizontal	Peak

Project No.: 2407T76694E-RF
 Test Mode: 11ac20-5700
 EUT Model: PH81
 Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz

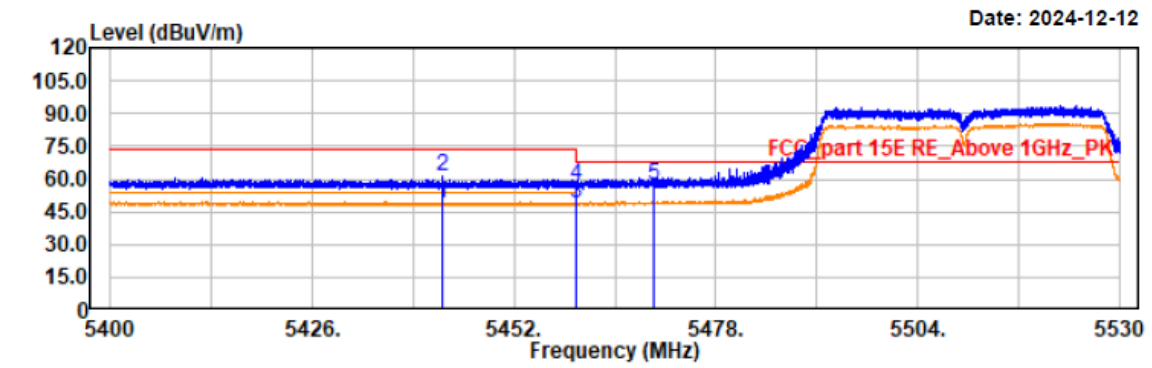


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	50.79	13.45	64.24	68.20	3.96	vertical	Peak
5727.30	53.87	13.45	67.32	68.20	0.88	vertical	Peak
5729.56	52.21	13.44	65.65	68.20	2.55	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5510
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



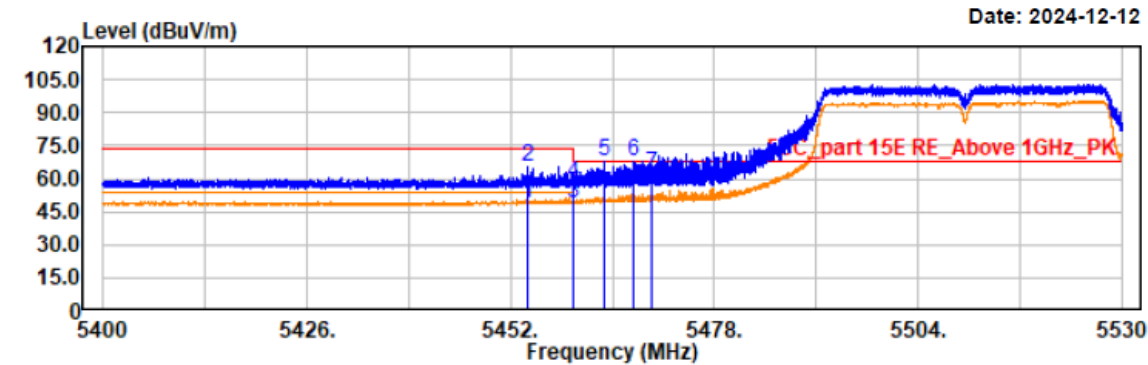
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5442.82	34.61	12.94	47.55	54.00	6.45	horizontal	Average
5442.82	48.00	12.94	60.94	74.00	13.06	horizontal	Peak
5460.00	34.56	12.96	47.52	54.00	6.48	horizontal	Average
5460.00	43.88	12.96	56.84	74.00	17.16	horizontal	Peak
5470.00	43.80	12.96	56.76	68.20	11.44	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5510
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



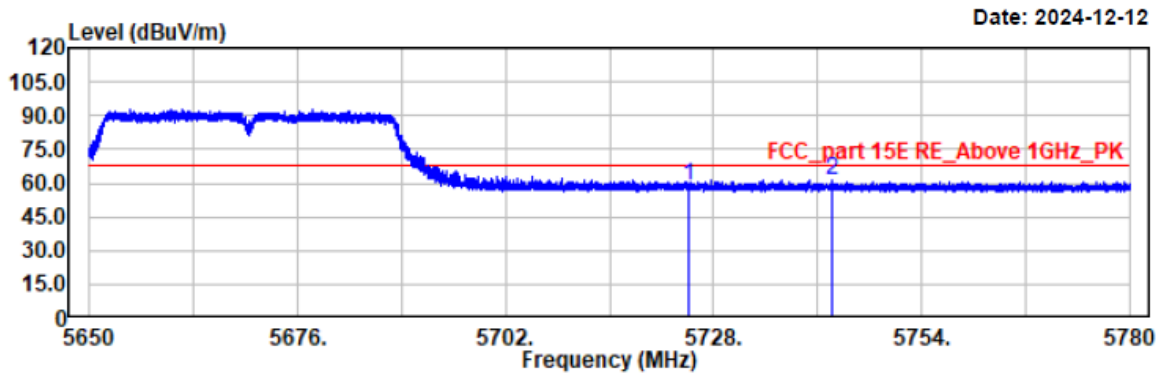
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5454.11	36.02	12.95	48.97	54.00	5.03	vertical	Average
5454.11	52.41	12.95	65.36	74.00	8.64	vertical	Peak
5459.99	36.01	12.96	48.97	54.00	5.03	vertical	Average
5459.99	45.23	12.96	58.19	74.00	15.81	vertical	Peak
5463.86	54.93	12.96	67.89	68.20	0.31	vertical	Peak
5467.74	55.03	12.96	67.99	68.20	0.21	vertical	Peak
5470.01	48.89	12.96	61.85	68.20	6.35	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5670
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

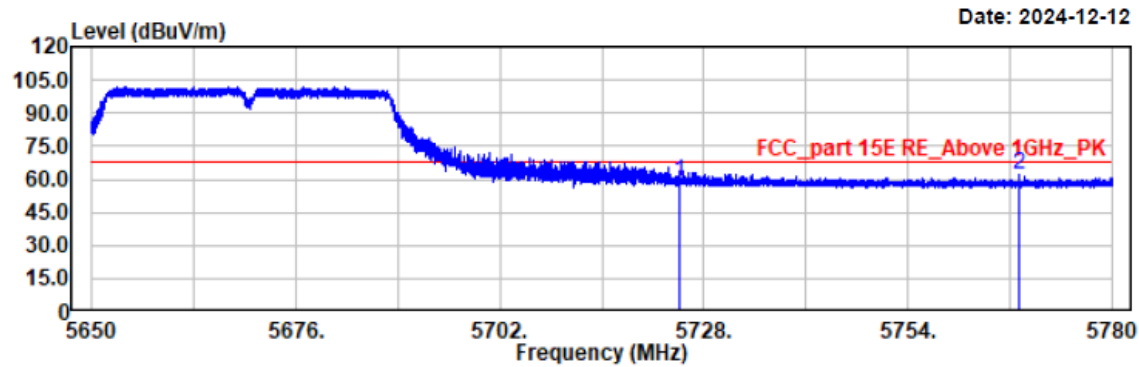


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	45.43	13.45	58.88	68.20	9.32	horizontal	Peak
5742.72	47.45	13.46	60.91	68.20	7.29	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5670
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

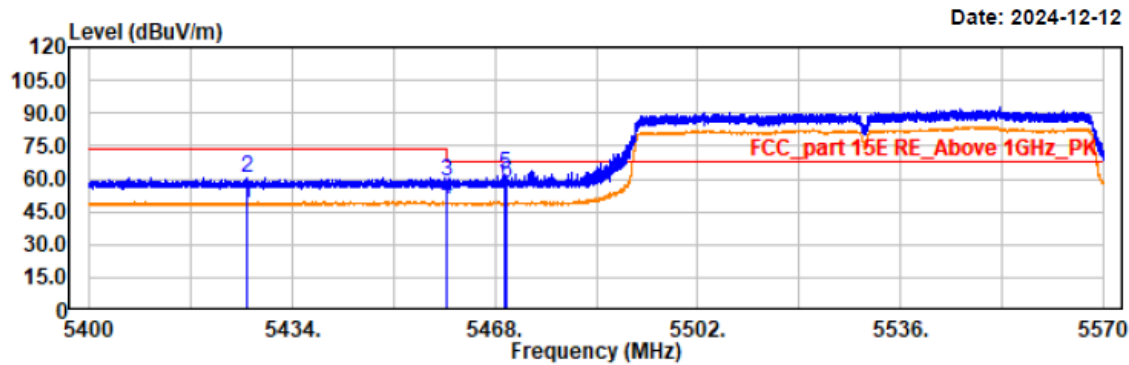


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	45.39	13.45	58.84	68.20	9.36	vertical	Peak
5768.17	48.14	13.52	61.66	68.20	6.54	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5530
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



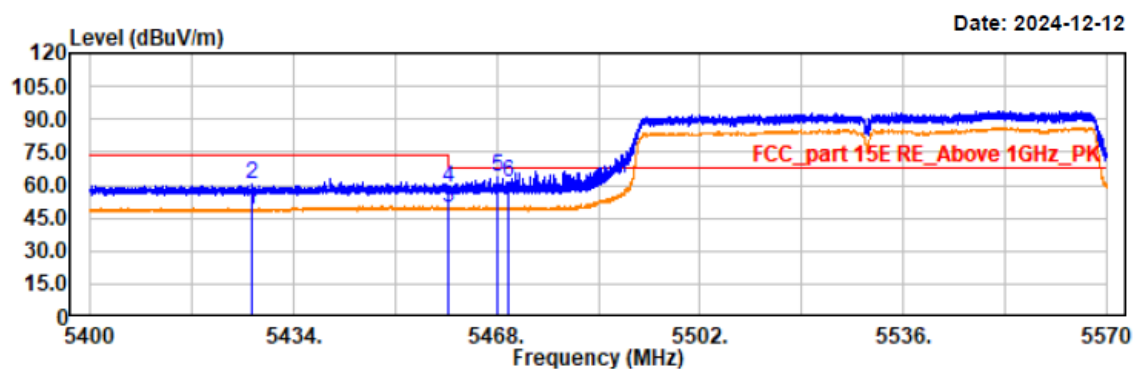
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5426.49	35.58	12.91	48.49	54.00	5.51	horizontal	Average
5426.49	47.30	12.91	60.21	74.00	13.79	horizontal	Peak
5459.99	45.60	12.96	58.56	74.00	15.44	horizontal	Peak
5459.99	37.22	12.96	50.18	54.00	3.82	horizontal	Average
5469.70	49.40	12.96	62.36	68.20	5.84	horizontal	Peak
5470.01	45.23	12.96	58.19	68.20	10.01	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5530
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



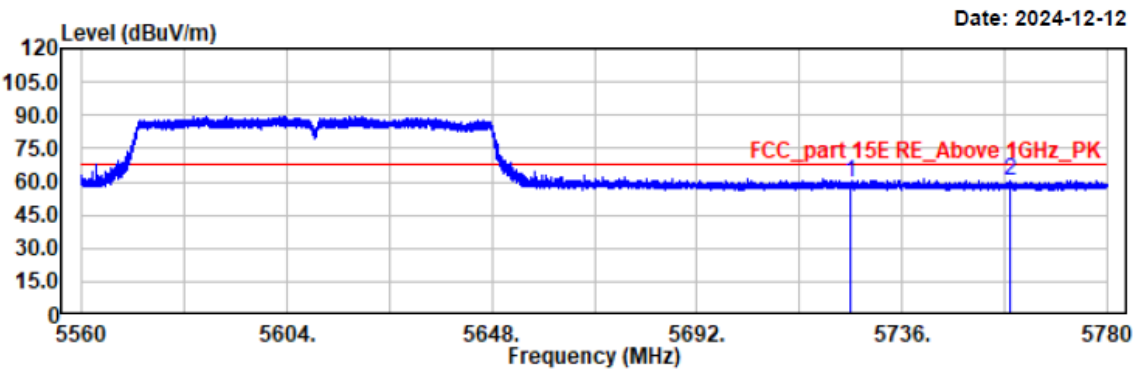
Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5427.17	35.92	12.91	48.83	54.00	5.17	vertical	Average
5427.17	47.49	12.91	60.40	74.00	13.60	vertical	Peak
5459.99	36.61	12.96	49.57	54.00	4.43	vertical	Average
5459.99	45.62	12.96	58.58	74.00	15.42	vertical	Peak
5468.10	51.11	12.96	64.07	68.20	4.13	vertical	Peak
5470.00	48.07	12.96	61.03	68.20	7.17	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5610
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

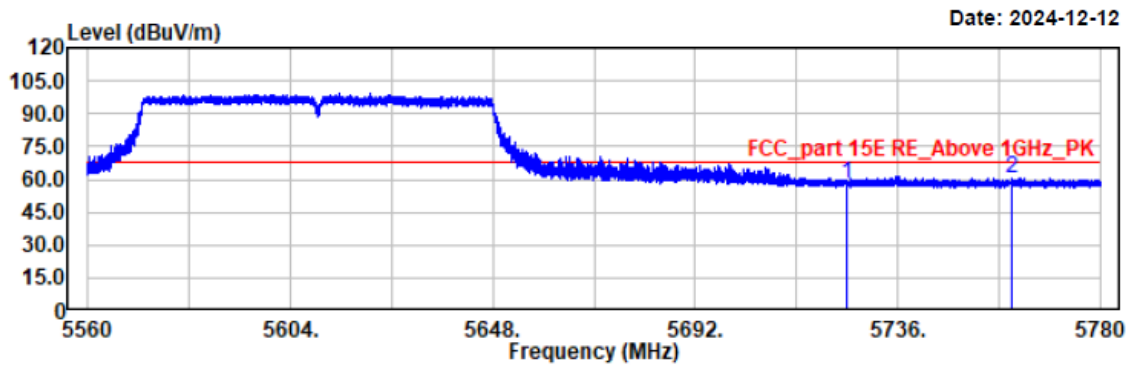


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	46.30	13.45	59.75	68.20	8.45	horizontal	Peak
5759.36	47.21	13.49	60.70	68.20	7.50	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5610
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



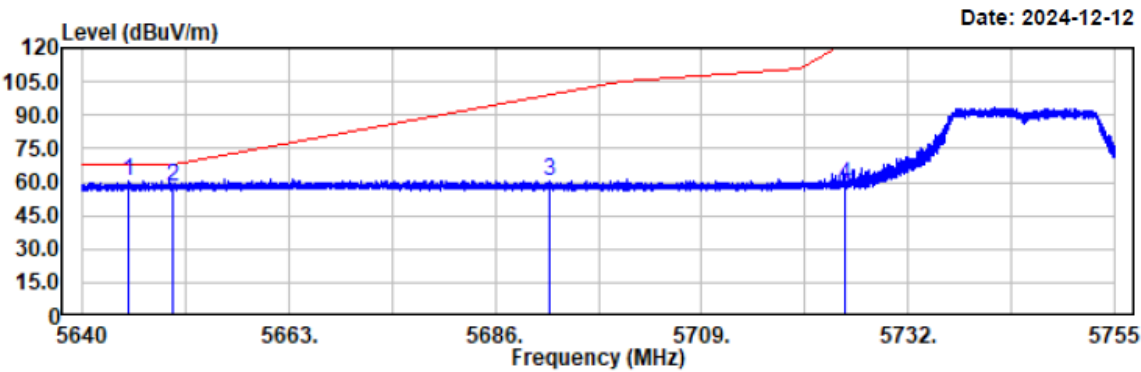
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.42	13.45	57.87	68.20	10.33	vertical	Peak
5760.75	47.02	13.49	60.51	68.20	7.69	vertical	Peak

For 5725-5850 MHz:

Project No.: 2407T76694E-RF
Test Mode: 11a-5745
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

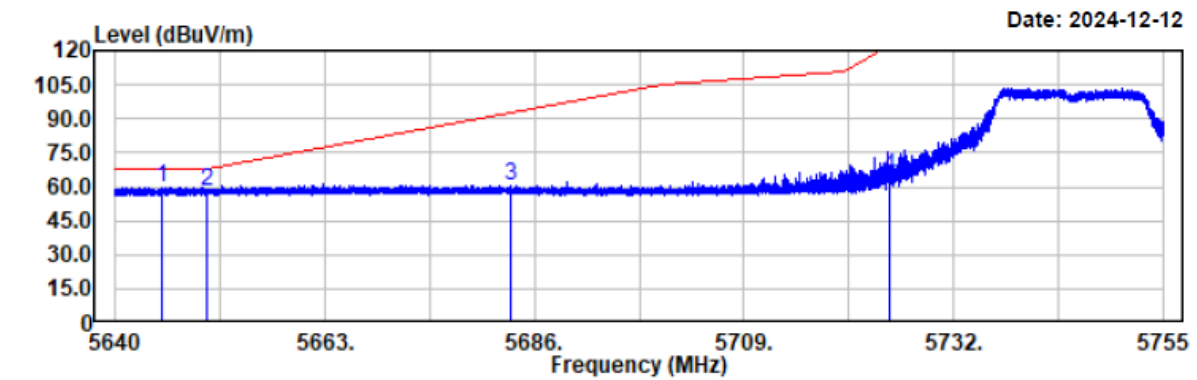


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5645.19	47.10	13.28	60.38	68.20	7.82	horizontal	Peak
5649.99	44.38	13.28	57.66	68.20	10.54	horizontal	Peak
5692.07	47.26	13.40	60.66	99.33	38.67	horizontal	Peak
5725.00	45.15	13.45	58.60	122.19	63.59	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5745
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

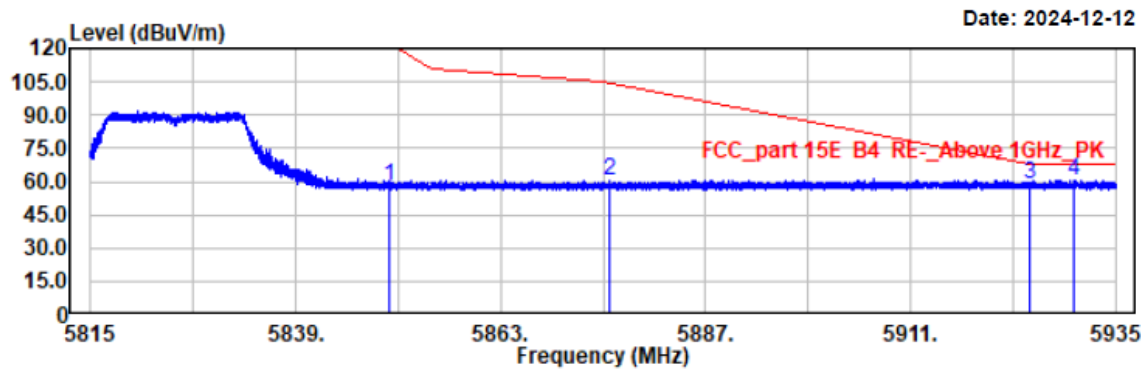


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5645.11	46.61	13.28	59.89	68.20	8.31	vertical	Peak
5650.00	44.87	13.28	58.15	68.20	10.05	vertical	Peak
5683.33	47.22	13.38	60.60	92.87	32.27	vertical	Peak
5725.00	50.80	13.45	64.25	122.19	57.94	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11a-5825
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.00	44.61	13.65	58.26	122.19	63.93	horizontal	Peak
5875.80	46.55	13.67	60.22	104.60	44.38	horizontal	Peak
5925.00	44.96	13.75	58.71	68.20	9.49	horizontal	Peak
5930.19	47.05	13.77	60.82	68.20	7.38	horizontal	Peak

Project No.: 2407T76694E-RF

Test Mode: 11a-5825

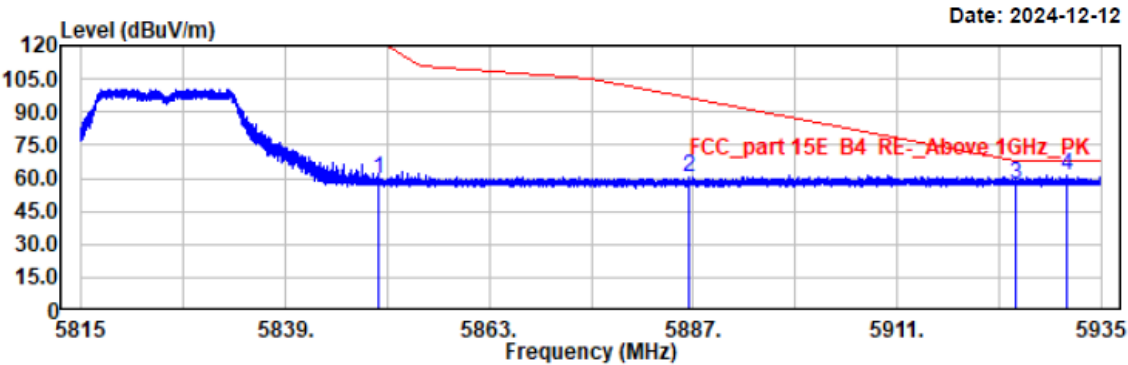
EUT Model: PH81

Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz

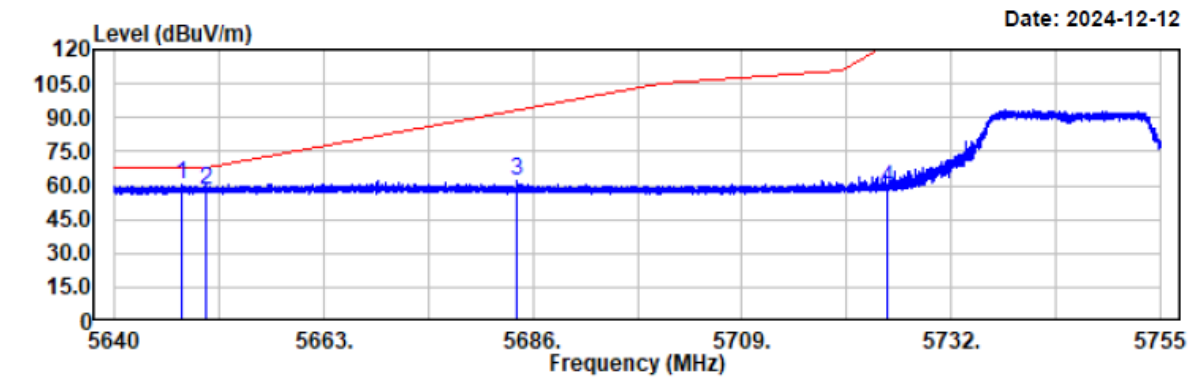


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.00	45.83	13.65	59.48	122.19	62.71	vertical	Peak
5886.56	46.98	13.67	60.65	96.65	36.00	vertical	Peak
5925.00	43.19	13.75	56.94	68.20	11.26	vertical	Peak
5931.02	47.39	13.77	61.16	68.20	7.04	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5745
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

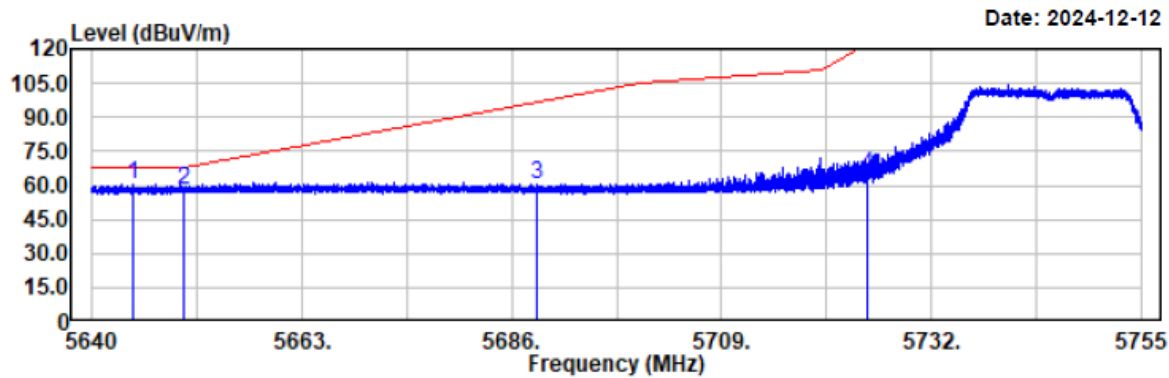


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5647.30	47.11	13.28	60.39	68.20	7.81	horizontal	Peak
5650.00	45.00	13.28	58.28	68.20	9.92	horizontal	Peak
5684.30	48.56	13.39	61.95	93.58	31.63	horizontal	Peak
5725.00	45.57	13.45	59.02	122.19	63.17	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5745
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

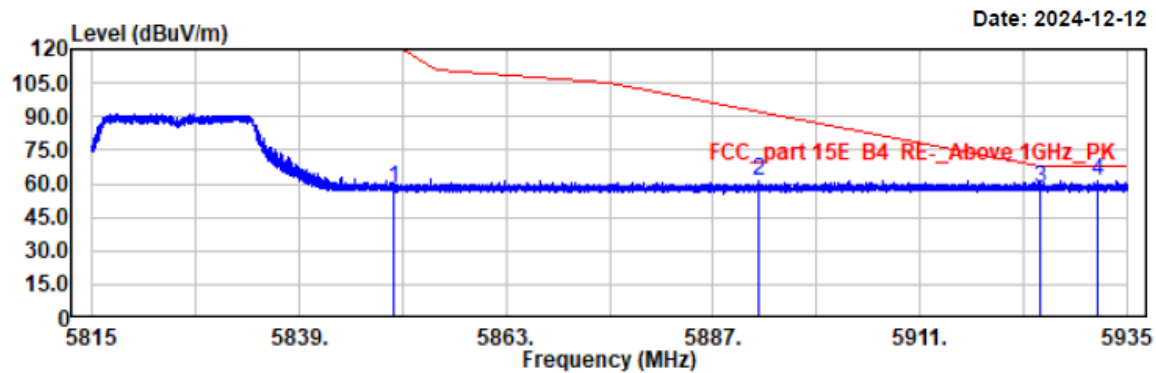


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5644.43	46.82	13.27	60.09	68.20	8.11	vertical	Peak
5650.00	44.63	13.28	57.91	68.20	10.29	vertical	Peak
5688.79	46.99	13.39	60.38	96.91	36.53	vertical	Peak
5725.00	51.04	13.45	64.49	122.19	57.70	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5825
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

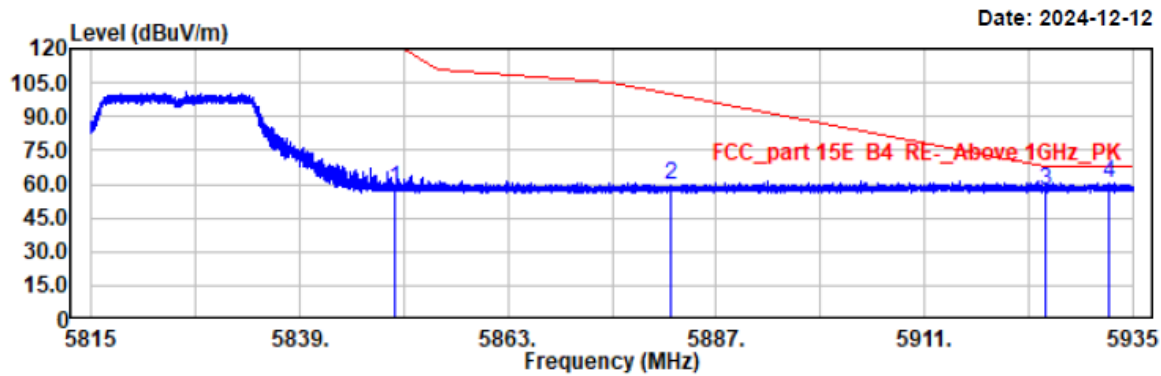


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.00	44.24	13.65	57.89	122.19	64.30	horizontal	Peak
5892.39	47.56	13.68	61.24	92.33	31.09	horizontal	Peak
5925.00	43.83	13.75	57.58	68.20	10.62	horizontal	Peak
5931.69	47.13	13.77	60.90	68.20	7.30	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac20-5825
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

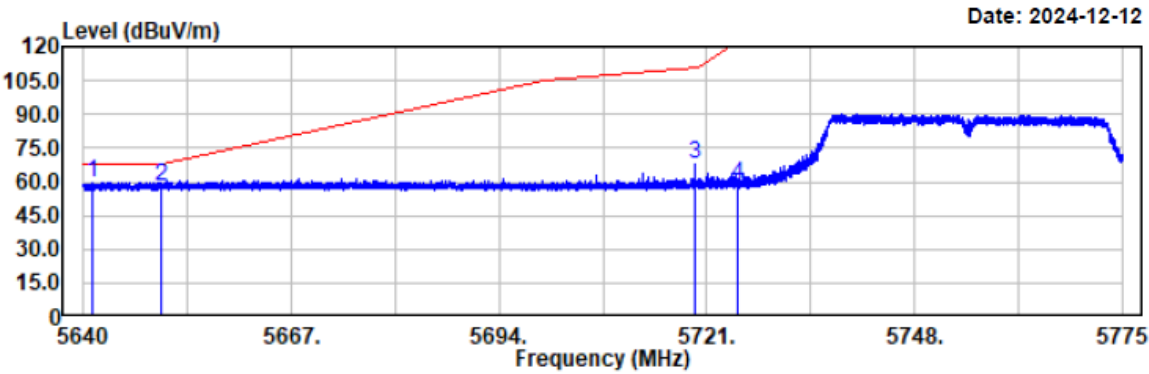


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.00	44.44	13.65	58.09	122.19	64.10	vertical	Peak
5881.82	46.23	13.67	59.90	100.16	40.26	vertical	Peak
5925.00	43.01	13.75	56.76	68.20	11.44	vertical	Peak
5932.17	46.84	13.77	60.61	68.20	7.59	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5755
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

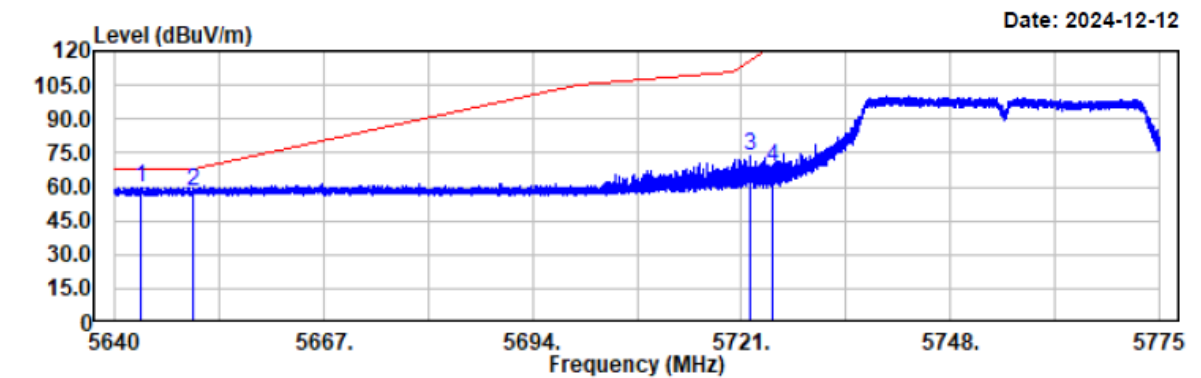


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5641.07	46.56	13.28	59.84	68.20	8.36	horizontal	Peak
5650.00	44.56	13.28	57.84	68.20	10.36	horizontal	Peak
5719.54	54.18	13.44	67.62	110.67	43.05	horizontal	Peak
5725.00	45.71	13.45	59.16	122.19	63.03	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5755
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

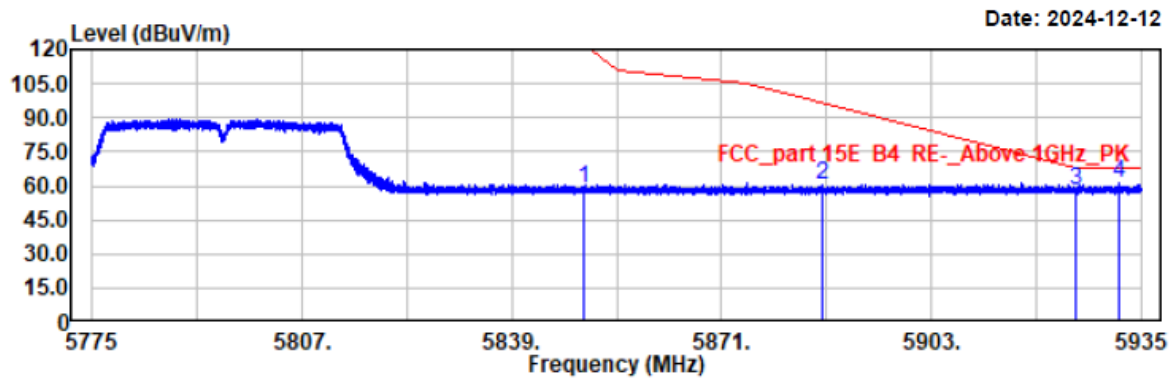


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5643.46	46.52	13.27	59.79	68.20	8.41	vertical	Peak
5650.00	45.00	13.28	58.28	68.20	9.92	vertical	Peak
5722.04	60.25	13.44	73.69	115.45	41.76	vertical	Peak
5725.00	55.28	13.45	68.73	122.19	53.46	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5795
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

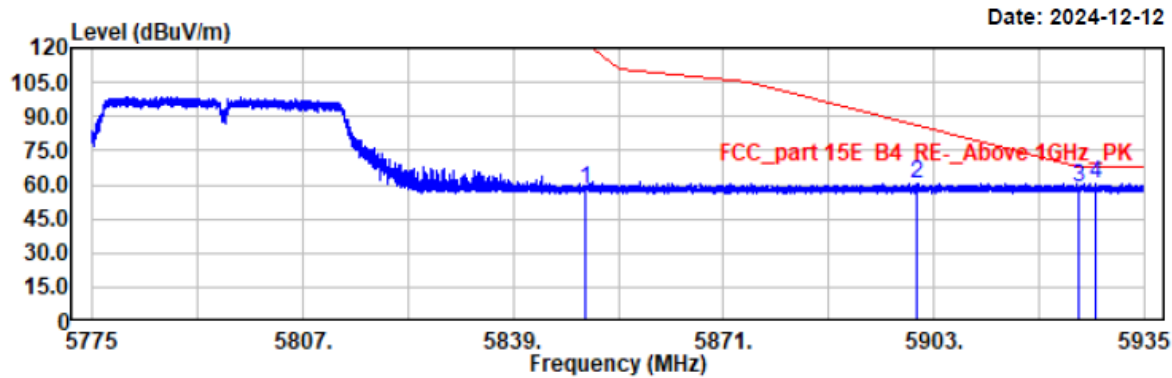


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.01	45.32	13.65	58.97	122.18	63.21	horizontal	Peak
5886.25	46.75	13.67	60.42	96.88	36.46	horizontal	Peak
5925.00	44.11	13.75	57.86	68.20	10.34	horizontal	Peak
5931.53	47.23	13.77	61.00	68.20	7.20	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac40-5795
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

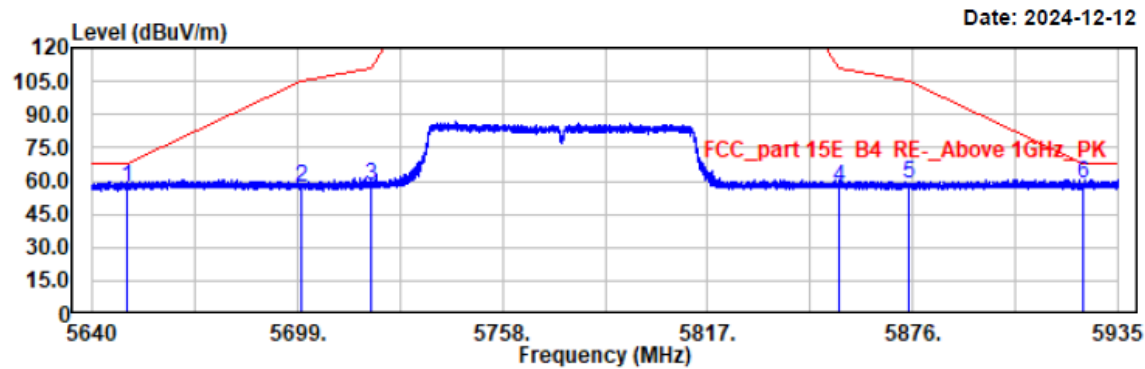


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5850.01	44.10	13.65	57.75	122.18	64.43	vertical	Peak
5900.42	46.55	13.69	60.24	86.39	26.15	vertical	Peak
5925.00	44.83	13.75	58.58	68.20	9.62	vertical	Peak
5927.70	46.84	13.77	60.61	68.20	7.59	vertical	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5775
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7°C/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

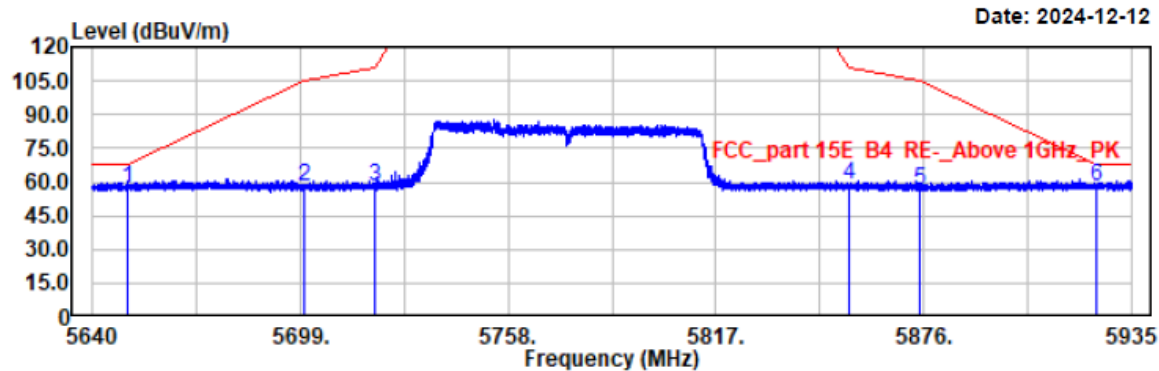


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.00	43.83	13.28	57.11	68.20	11.09	horizontal	Peak
5700.00	44.06	13.43	57.49	105.20	47.71	horizontal	Peak
5720.00	44.78	13.44	58.22	110.80	52.58	horizontal	Peak
5855.00	43.19	13.65	56.84	110.80	53.96	horizontal	Peak
5875.00	44.79	13.67	58.46	105.20	46.74	horizontal	Peak
5925.00	44.65	13.75	58.40	68.20	9.80	horizontal	Peak

Project No.: 2407T76694E-RF
Test Mode: 11ac80-5775
EUT Model: PH81
Test distance: 3m

Temp/Humi/ATM: 22.7℃/48%/100.2kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.00	43.89	13.28	57.17	68.20	11.03	vertical	Peak
5700.00	44.23	13.43	57.66	105.20	47.54	vertical	Peak
5720.00	44.25	13.44	57.69	110.80	53.11	vertical	Peak
5855.00	44.78	13.65	58.43	110.80	52.37	vertical	Peak
5875.00	42.85	13.67	56.52	105.20	48.68	vertical	Peak
5925.00	44.32	13.75	58.07	68.20	10.13	vertical	Peak

FCC §15.407(a) (e)–EMISSION BANDWIDTH

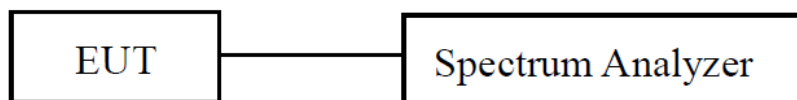
Applicable Standard

FCC §15.407 (a), (h), (h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid cochannel operation with radar systems.

FCC §15.407 (e)

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

EUT Setup



Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2013 Section 12.4.1

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6 dB emission bandwidth:

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) ≥ 3 RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- 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:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

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 andwidth.
- 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).

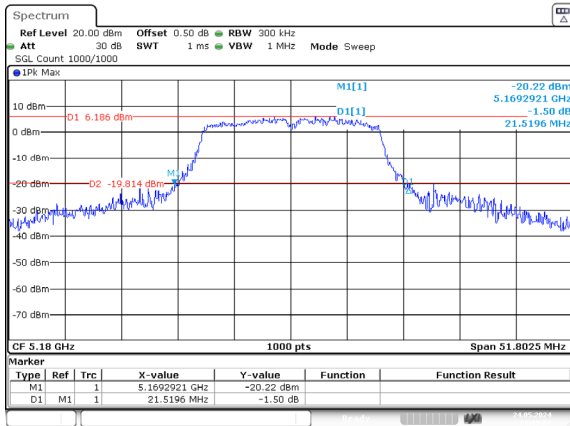
Test Data

Test Mode:	Transmitting	Test Engineer:	Stein Peng
Test Date:	2024-05-24	Test Voltage:	AC120V/60Hz
Test Result:	Compliance	Environment:	Temp.: 24.3°C Humi.: 59% Atm :100.5kPa
5150-5250 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	21.52	16.5
	5200	22.778	16.45
	5240	25.687	16.55
802.11ac vht20	5180	23.279	17.65
	5200	25.436	17.7
	5240	23.407	17.65
802.11ac vht40	5190	55.216	36.4
	5230	65.696	36.4
802.11ac vht80	5210	128.54	75.6
5250-5350 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	24.907	16.55
	5280	24.385	16.55
	5320	21.096	16.5
802.11ac vht20	5260	23.265	17.65
	5280	24.893	17.65
	5320	24.357	17.65
802.11ac vht40	5270	56.304	36.3
	5310	61.778	36.4
802.11ac vht80	5290	101.867	75.6

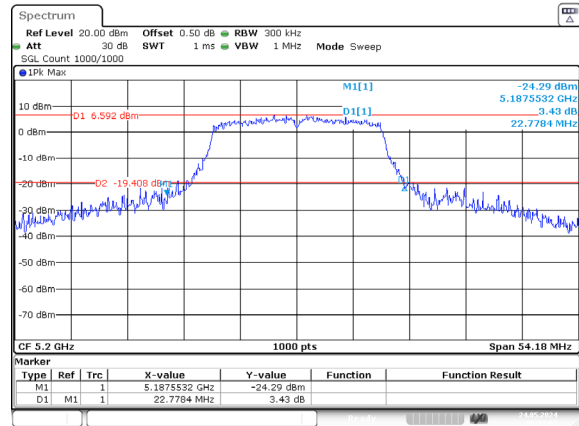
5470-5725 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	39.16	17.2
	5580	33.099	16.7
	5700	23.359	16.6
	5720	22.406	16.6
802.11ac vht20	5500	32.105	17.85
	5580	27.097	17.8
	5700	22.827	17.75
	5720	21.957	17.75
802.11ac vht40	5510	78.678	37
	5550	79.84	36.9
	5670	44.745	36.6
	5710	42.543	36.5
802.11ac vht80	5530	152.379	76.2
	5610	122.565	75.8
	5690	90.29	75.6
5725-5850 MHz:			
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.416	16.55
	5785	16.416	16.55
	5825	16.416	16.6
802.11ac vht20	5745	17.668	17.75
	5785	17.668	17.7
	5825	17.668	17.75
802.11ac vht40	5755	36.036	36.4
	5795	36.436	36.5
802.11ac vht80	5775	73.874	75.6
Note:6dB Emission Bandwidth Limit: ≥ 0.5 MHz			

26dB Emission Bandwidth:**5150-5250MHz:**

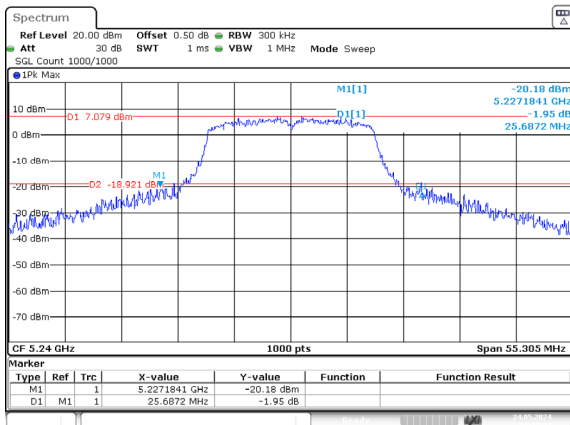
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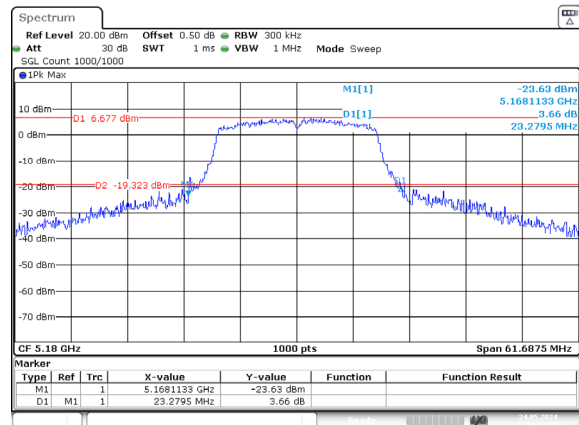
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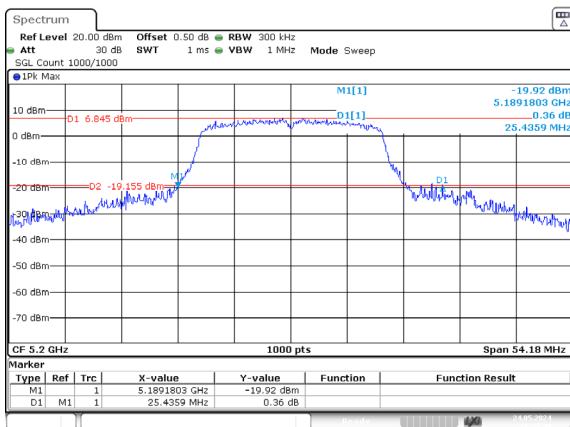
a_5240MHz_Chain 0



ac20_5180MHz_Chain 0



ac20_5200MHz_Chain 0



ac20_5240MHz_Chain 0

