

B2

Project No.: 2407V20721E-RF

Test Mode: 11a 5260

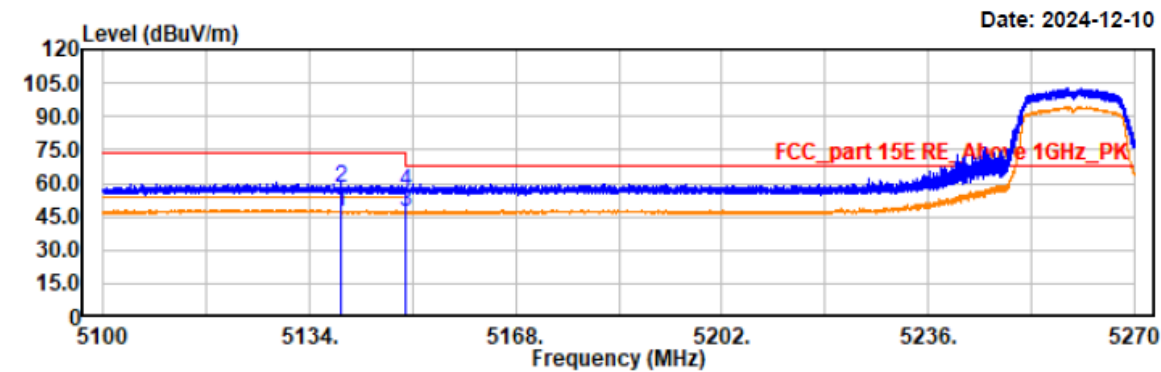
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



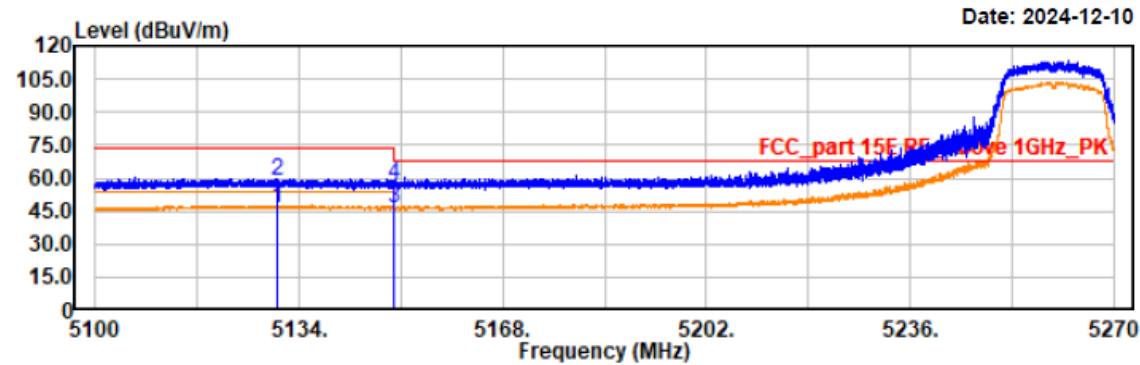
Trace: 1

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
5139.32	34.81	12.31	47.12	54.00	6.88	horizontal	Average
5139.32	45.39	12.31	57.70	74.00	16.30	horizontal	Peak
5149.99	34.85	12.32	47.17	54.00	6.83	horizontal	Average
5150.00	44.25	12.32	56.57	74.00	17.43	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5260
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

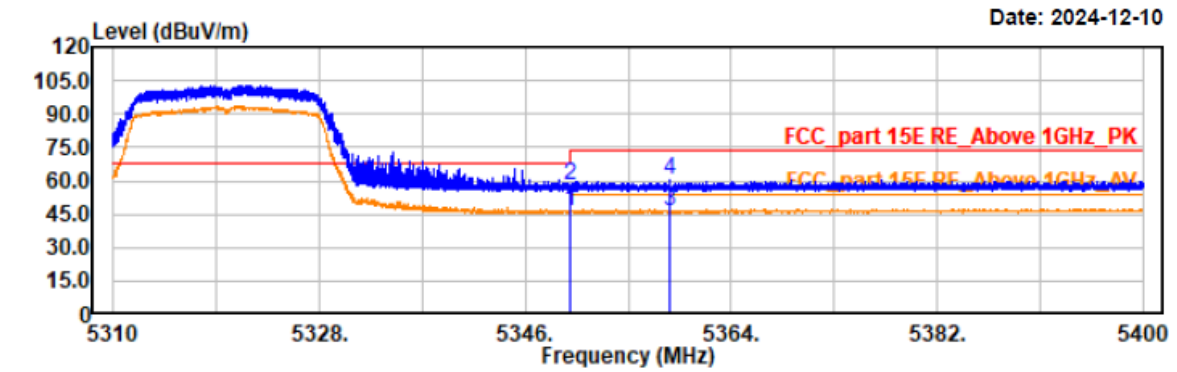


Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5130.41	34.17	12.28	46.45	54.00	7.55	vertical	Average
5130.41	46.24	12.28	58.52	74.00	15.48	vertical	Peak
5149.99	33.97	12.32	46.29	54.00	7.71	vertical	Average
5150.00	44.94	12.32	57.26	74.00	16.74	vertical	Peak

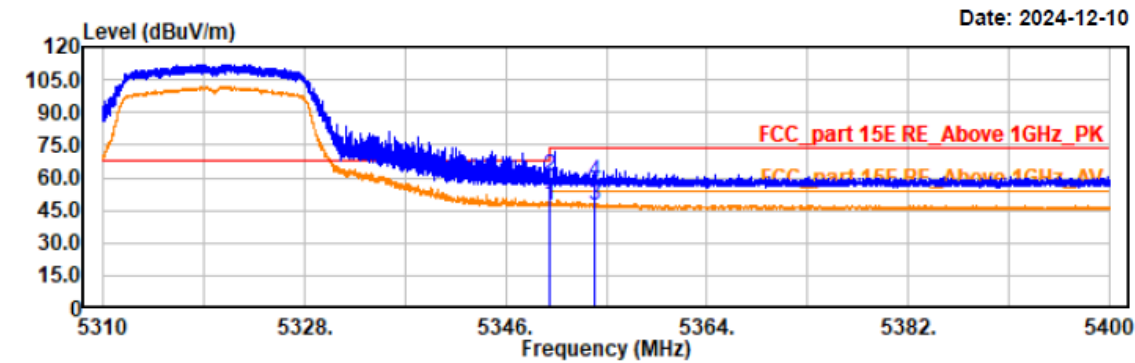
Project No.: 2407V20721E-RF
Test Mode: 11a 5320
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Project No.: 2407V20721E-RF
Test Mode: 11a 5320
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/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	34.31	12.75	47.06	54.00	6.94	vertical	Average
5350.01	47.75	12.75	60.50	74.00	13.50	vertical	Peak
5354.01	34.38	12.76	47.14	54.00	6.86	vertical	Average
5354.01	45.53	12.76	58.29	74.00	15.71	vertical	Peak

Project No.: 2407V20721E-RF

Test Mode: 11n20 5260

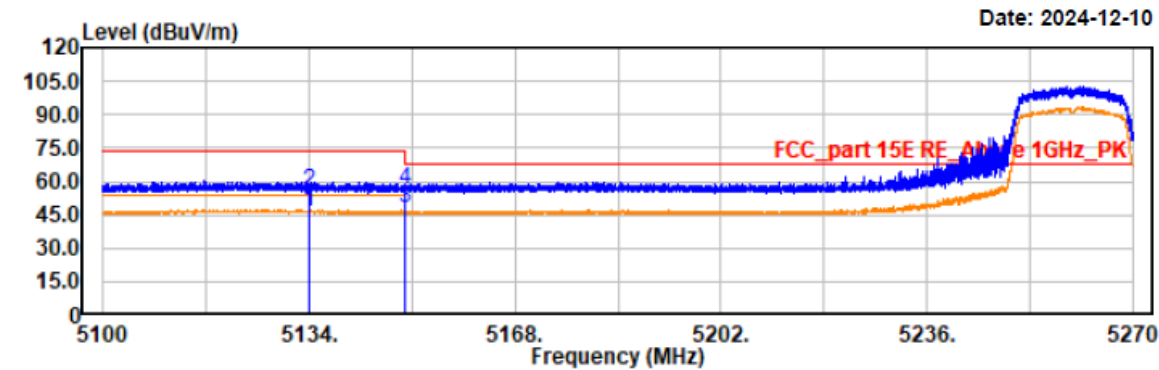
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/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
5133.92	33.87	12.30	46.17	54.00	7.83	horizontal	Average
5133.92	43.48	12.30	55.78	74.00	18.22	horizontal	Peak
5150.00	35.29	12.32	47.61	54.00	6.39	horizontal	Average
5150.00	43.90	12.32	56.22	74.00	17.78	horizontal	Peak

Project No.: 2407V20721E-RF

Test Mode: 11n20 5260

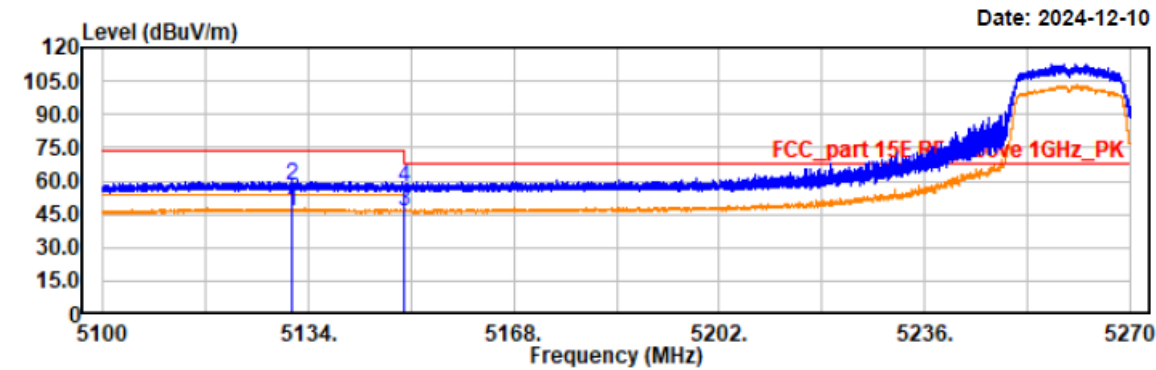
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



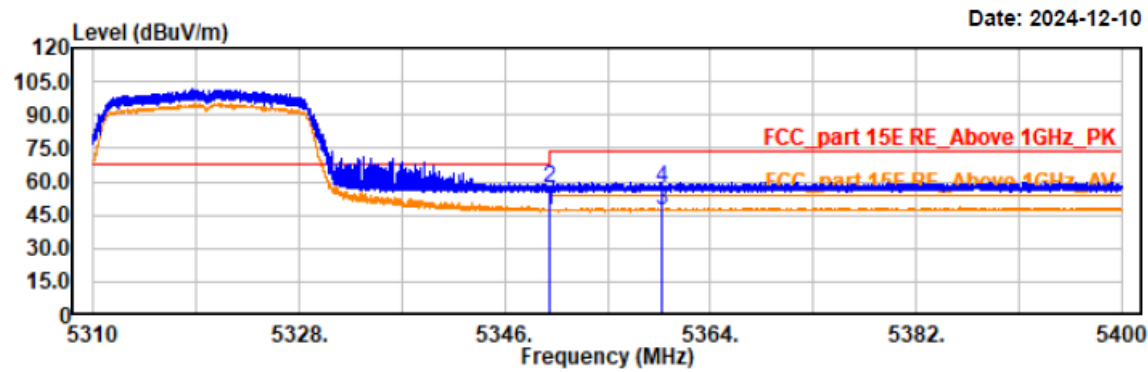
Trace: 1

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
5131.38	34.40	12.28	46.68	54.00	7.32	vertical	Average
5131.38	45.54	12.28	57.82	74.00	16.18	vertical	Peak
5149.99	33.82	12.32	46.14	54.00	7.86	vertical	Average
5150.00	44.87	12.32	57.19	74.00	16.81	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5320
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



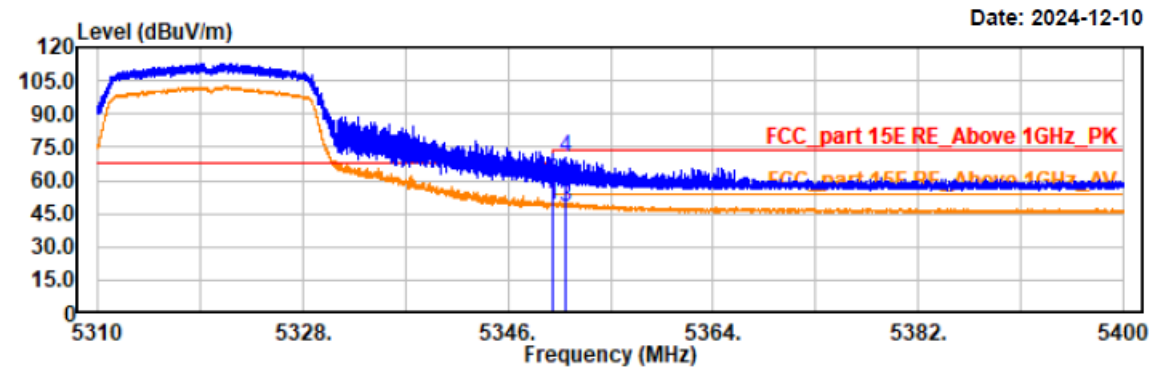
Trace: 1

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	34.42	12.75	47.17	54.00	6.83	horizontal	Average
5350.01	44.08	12.75	56.83	74.00	17.17	horizontal	Peak
5359.82	34.39	12.76	47.15	54.00	6.85	horizontal	Average
5359.82	44.05	12.76	56.81	74.00	17.19	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5320
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



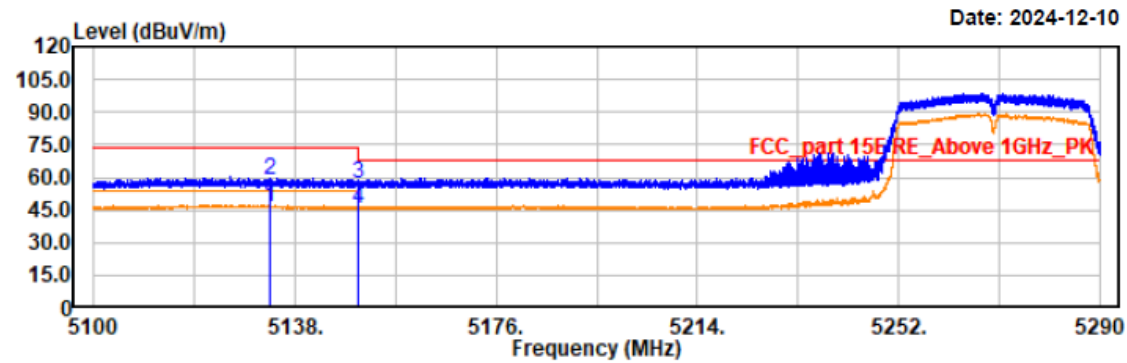
Trace: 1

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	35.72	12.75	48.47	54.00	5.53	vertical	Average
5350.01	47.09	12.75	59.84	74.00	14.16	vertical	Peak
5351.09	35.30	12.75	48.05	54.00	5.95	vertical	Average
5351.09	57.28	12.75	70.03	74.00	3.97	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5270
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

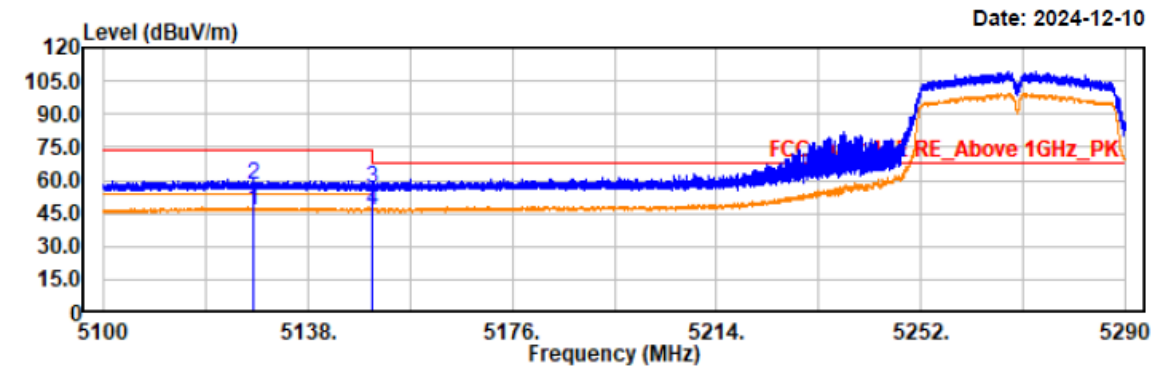


Trace: 1
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5133.19	33.97	12.30	46.27	54.00	7.73	horizontal	Average
5133.19	46.38	12.30	58.68	74.00	15.32	horizontal	Peak
5149.99	45.01	12.32	57.33	74.00	16.67	horizontal	Peak
5149.99	33.40	12.32	45.72	54.00	8.28	horizontal	Average

Project No.: 2407V20721E-RF
Test Mode: 11n40 5270
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



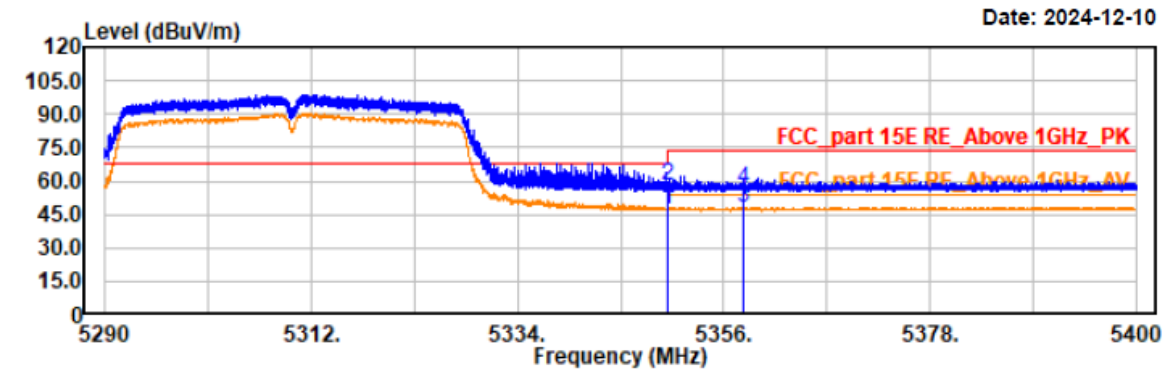
Trace: 1

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
5127.82	34.09	12.28	46.37	54.00	7.63	vertical	Average
5127.82	45.39	12.28	57.67	74.00	16.33	vertical	Peak
5149.99	43.88	12.32	56.20	74.00	17.80	vertical	Peak
5149.99	33.83	12.32	46.15	54.00	7.85	vertical	Average

Project No.: 2407V20721E-RF
Test Mode: 11n40 5310
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



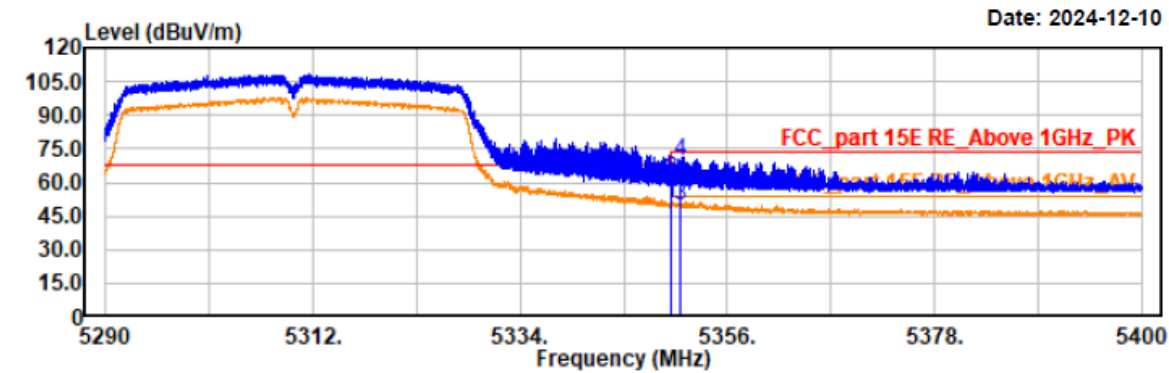
Trace: 1

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	34.75	12.75	47.50	54.00	6.50	horizontal	Average
5350.01	45.54	12.75	58.29	74.00	15.71	horizontal	Peak
5358.05	35.12	12.76	47.88	54.00	6.12	horizontal	Average
5358.05	43.62	12.76	56.38	74.00	17.62	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5310
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/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	38.11	12.75	50.86	54.00	3.14	vertical	Average
5350.01	48.34	12.75	61.09	74.00	12.91	vertical	Peak
5351.04	37.09	12.75	49.84	54.00	4.16	vertical	Average
5351.04	57.06	12.75	69.81	74.00	4.19	vertical	Peak

Project No.: 2407V20721E-RF

Test Mode: 11ac80 5290

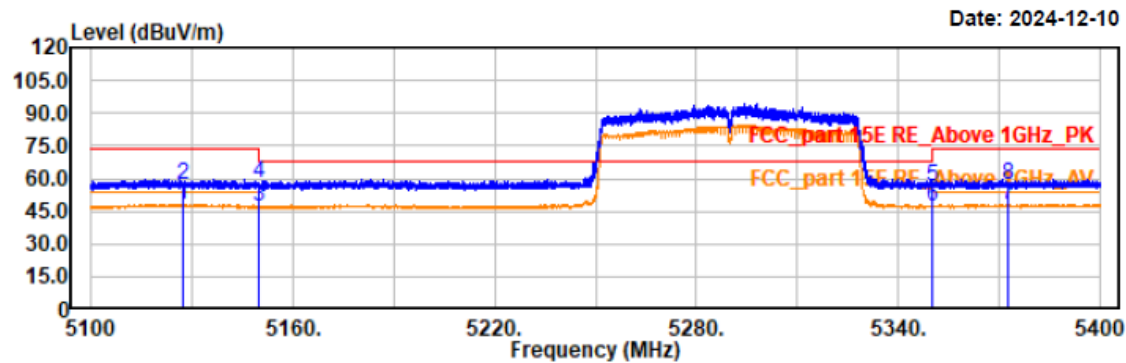
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz



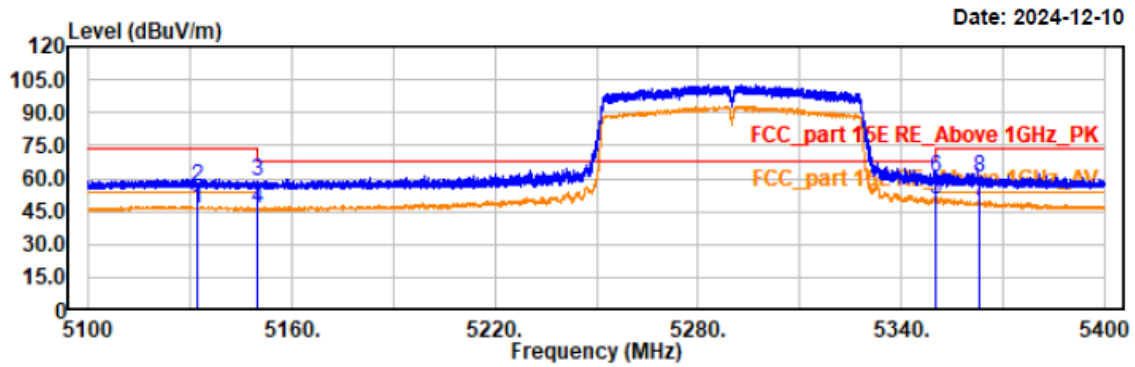
Trace: 1

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
5127.12	35.50	12.27	47.77	54.00	6.23	horizontal	Average
5127.12	44.99	12.27	57.26	74.00	16.74	horizontal	Peak
5149.99	34.60	12.32	46.92	54.00	7.08	horizontal	Average
5149.99	45.99	12.32	58.31	74.00	15.69	horizontal	Peak
5349.99	43.90	12.75	56.65	74.00	17.35	horizontal	Peak
5350.00	34.81	12.75	47.56	54.00	6.44	horizontal	Average
5372.88	34.86	12.80	47.66	54.00	6.34	horizontal	Average
5372.88	44.29	12.80	57.09	74.00	16.91	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5290
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Trace: 1

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

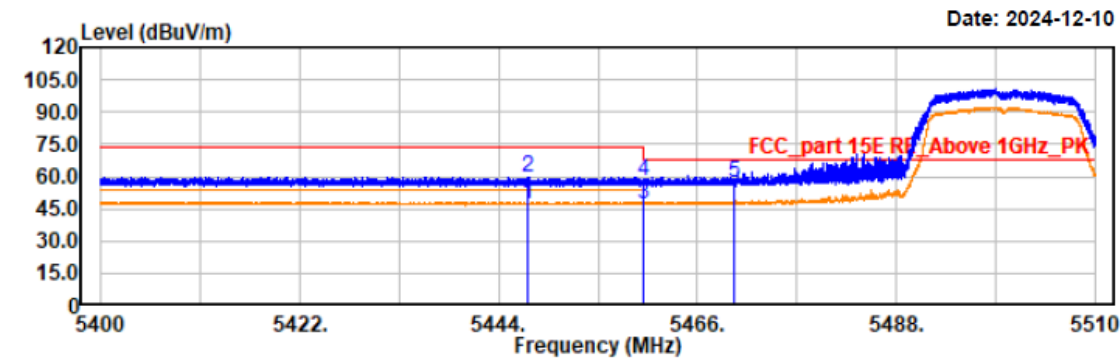
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5132.01	34.23	12.28	46.51	54.00	7.49	vertical	Average
5132.01	44.38	12.28	56.66	74.00	17.34	vertical	Peak
5149.98	46.14	12.32	58.46	74.00	15.54	vertical	Peak
5149.99	33.95	12.32	46.27	54.00	7.73	vertical	Average
5349.99	37.74	12.75	50.49	54.00	3.51	vertical	Average
5350.00	47.76	12.75	60.51	74.00	13.49	vertical	Peak
5362.89	37.16	12.77	49.93	54.00	4.07	vertical	Average
5362.89	47.83	12.77	60.60	74.00	13.40	vertical	Peak

B3

Project No.: 2407V20721E-RF
Test Mode: 11a 5500
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



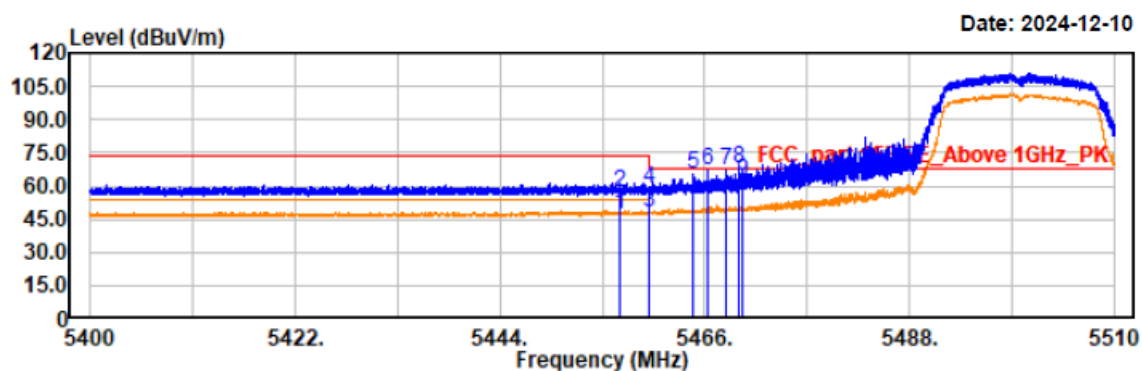
Trace: 1

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
5447.26	34.25	12.94	47.19	54.00	6.81	horizontal	Average
5447.26	46.46	12.94	59.40	74.00	14.60	horizontal	Peak
5459.99	34.40	12.96	47.36	54.00	6.64	horizontal	Average
5459.99	44.77	12.96	57.73	74.00	16.27	horizontal	Peak
5470.00	44.38	12.96	57.34	68.20	10.86	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5500
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



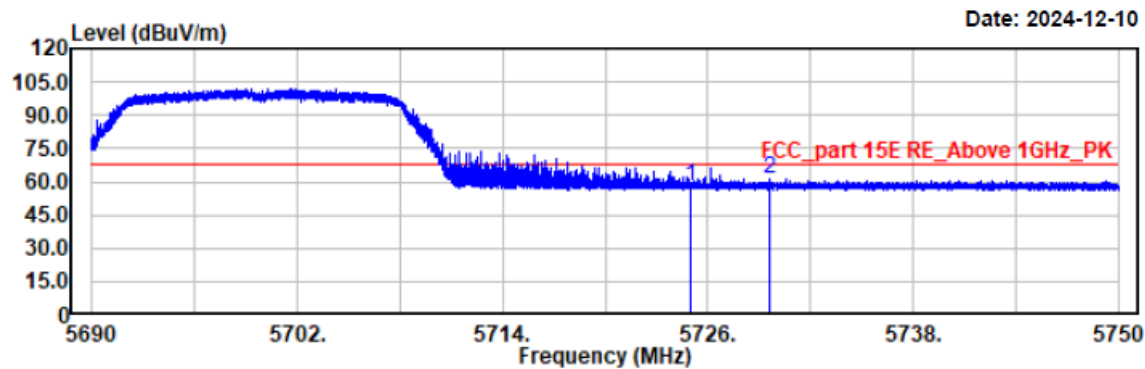
Trace: 1

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
5456.83	34.05	12.96	47.01	54.00	6.99	vertical	Average
5456.83	44.12	12.96	57.08	74.00	16.92	vertical	Peak
5459.99	34.65	12.96	47.61	54.00	6.39	vertical	Average
5459.99	45.45	12.96	58.41	74.00	15.59	vertical	Peak
5464.70	52.59	12.96	65.55	68.20	2.65	vertical	Peak
5466.29	53.70	12.96	66.66	68.20	1.54	vertical	Peak
5468.26	53.67	12.96	66.63	68.20	1.57	vertical	Peak
5469.62	55.18	12.96	68.14	68.20	0.06	vertical	Peak
5470.00	48.74	12.96	61.70	68.20	6.50	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5700
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

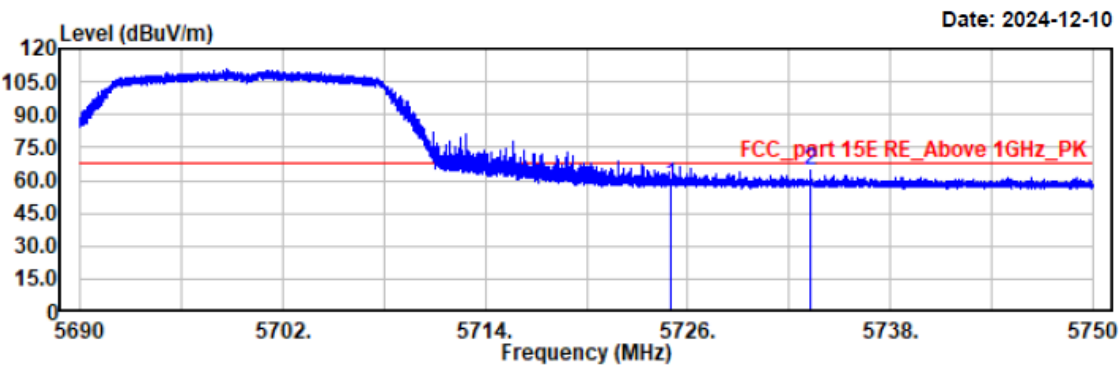


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.63	13.45	58.08	68.20	10.12	horizontal	Peak
5729.65	48.18	13.44	61.62	68.20	6.58	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5700
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

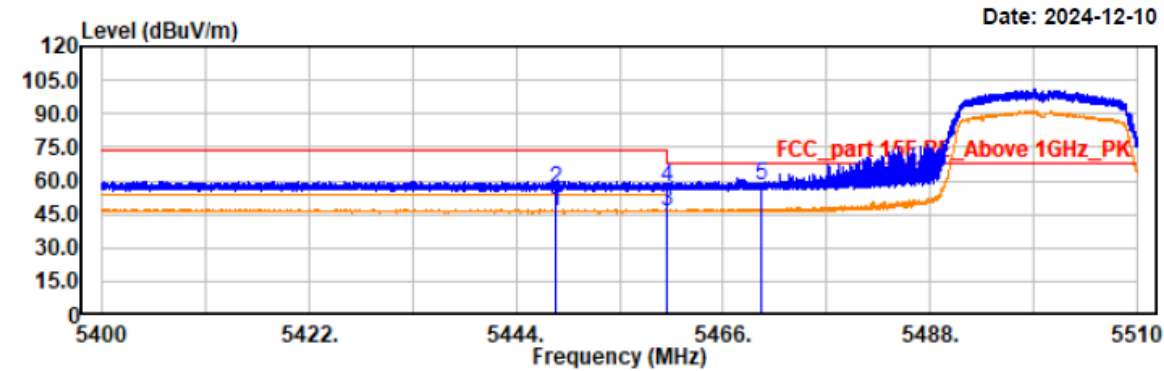


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.46	13.45	57.91	68.20	10.29	vertical	Peak
5733.23	51.38	13.45	64.83	68.20	3.37	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5500
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



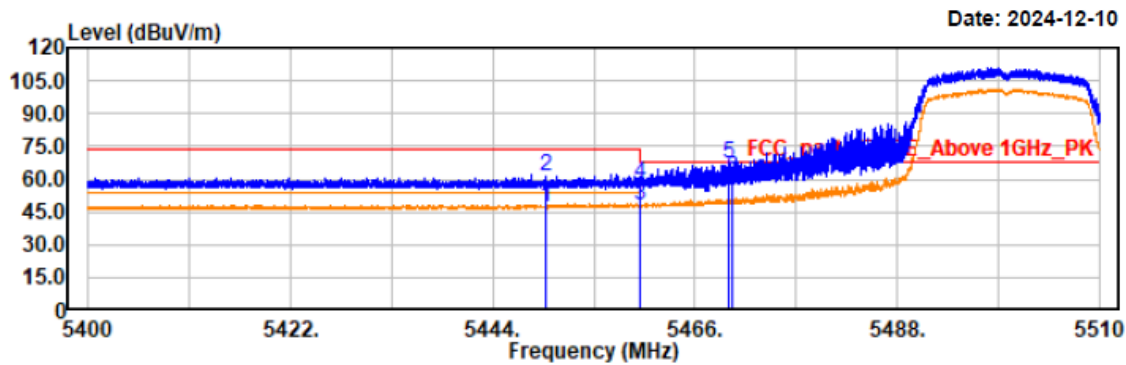
Trace: 1

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
5448.27	33.09	12.95	46.04	54.00	7.96	horizontal	Average
5448.27	42.97	12.95	55.92	74.00	18.08	horizontal	Peak
5459.99	33.35	12.96	46.31	54.00	7.69	horizontal	Average
5459.99	44.53	12.96	57.49	74.00	16.51	horizontal	Peak
5470.00	44.60	12.96	57.56	68.20	10.64	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5500
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Trace: 1

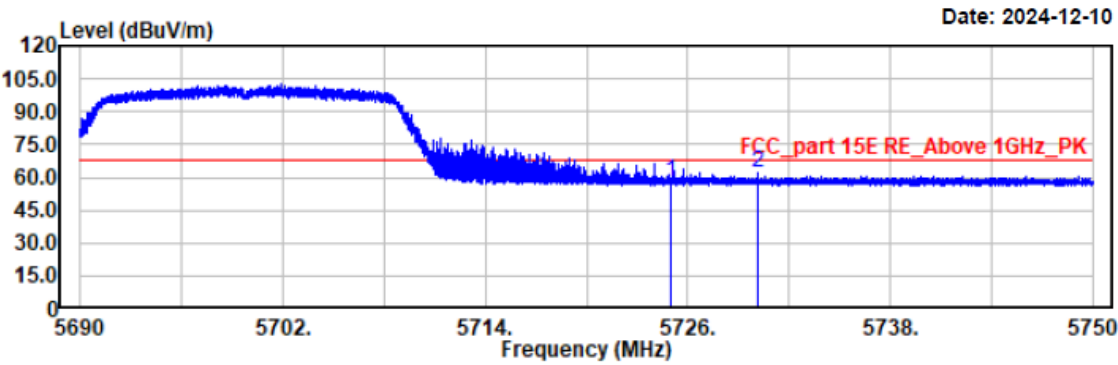
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5449.74	34.61	12.95	47.56	54.00	6.44	vertical	Average
5449.74	48.58	12.95	61.53	74.00	12.47	vertical	Peak
5459.99	34.89	12.96	47.85	54.00	6.15	vertical	Average
5459.99	44.78	12.96	57.74	74.00	16.26	vertical	Peak
5469.74	54.33	12.96	67.29	68.20	0.91	vertical	Peak
5470.00	47.68	12.96	60.64	68.20	7.56	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5700
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

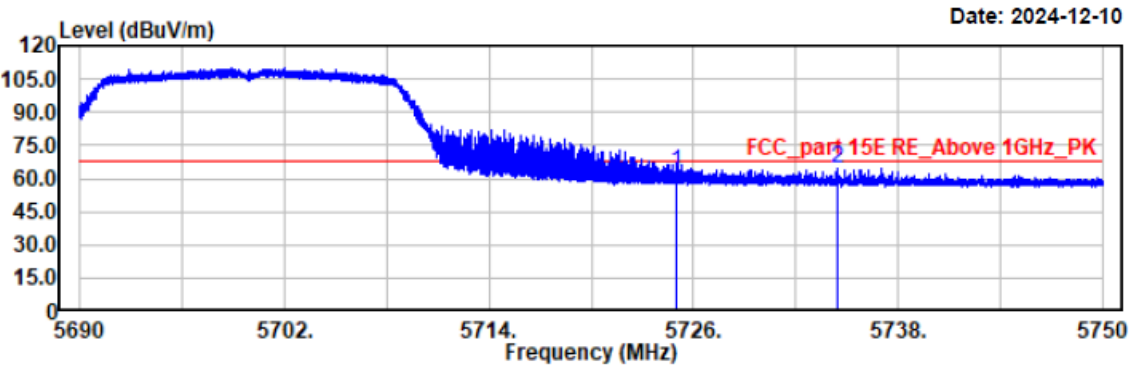


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.28	13.45	57.73	68.20	10.47	horizontal	Peak
5730.18	48.92	13.44	62.36	68.20	5.84	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5700
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

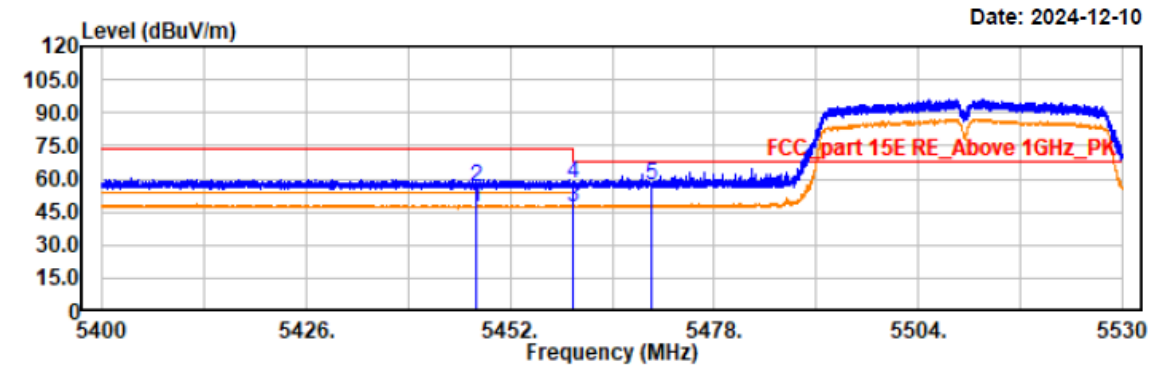


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	49.41	13.45	62.86	68.20	5.34	vertical	Peak
5734.44	51.46	13.45	64.91	68.20	3.29	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5510
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



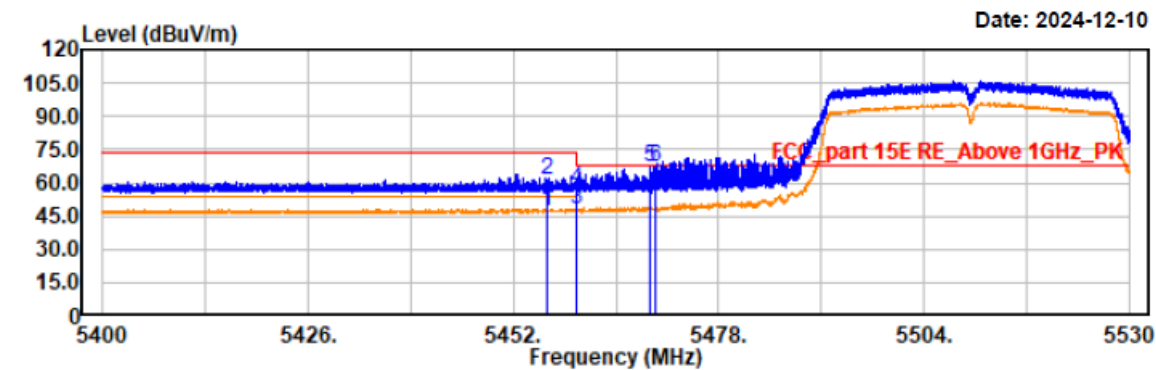
Trace: 1

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
5447.75	34.49	12.95	47.44	54.00	6.56	horizontal	Average
5447.75	43.65	12.95	56.60	74.00	17.40	horizontal	Peak
5459.99	34.35	12.96	47.31	54.00	6.69	horizontal	Average
5460.00	44.56	12.96	57.52	74.00	16.48	horizontal	Peak
5470.00	43.77	12.96	56.73	68.20	11.47	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5510
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



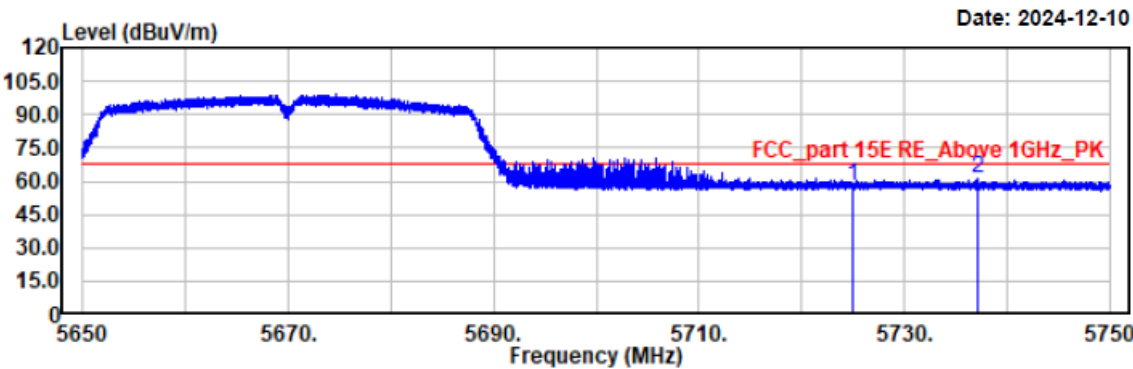
Trace: 1

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
5456.21	34.07	12.96	47.03	54.00	6.97	vertical	Average
5456.21	48.65	12.96	61.61	74.00	12.39	vertical	Peak
5459.99	34.73	12.96	47.69	54.00	6.31	vertical	Average
5459.99	44.34	12.96	57.30	74.00	16.70	vertical	Peak
5469.30	54.21	12.96	67.17	68.20	1.03	vertical	Peak
5470.01	53.83	12.96	66.79	68.20	1.41	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5670
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

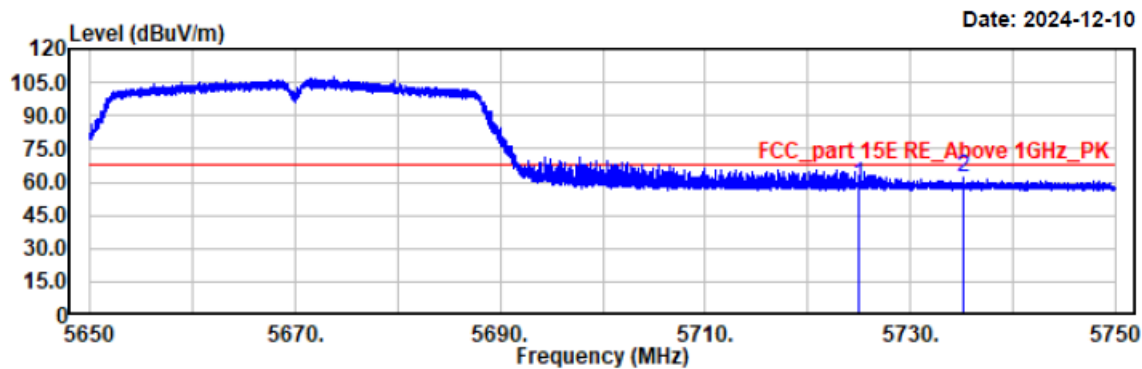


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.62	13.45	58.07	68.20	10.13	horizontal	Peak
5737.15	47.55	13.45	61.00	68.20	7.20	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5670
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

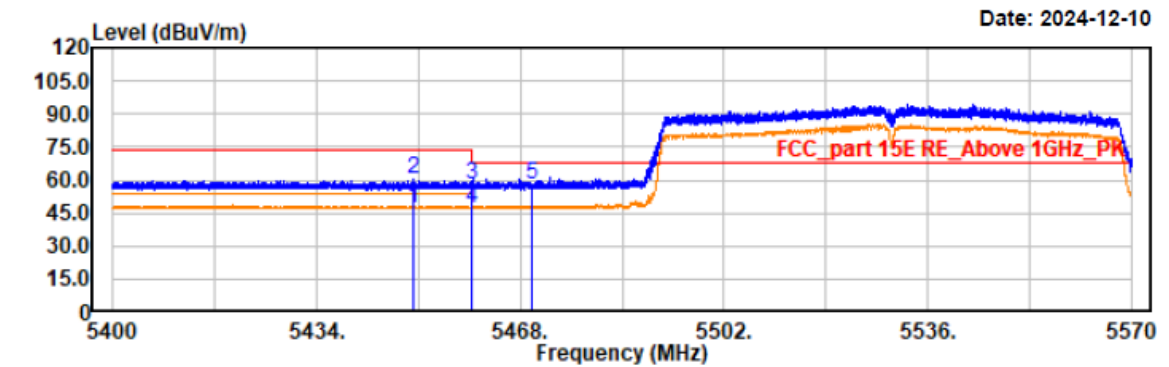


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	45.45	13.45	58.90	68.20	9.30	vertical	Peak
5735.23	48.23	13.45	61.68	68.20	6.52	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5530
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



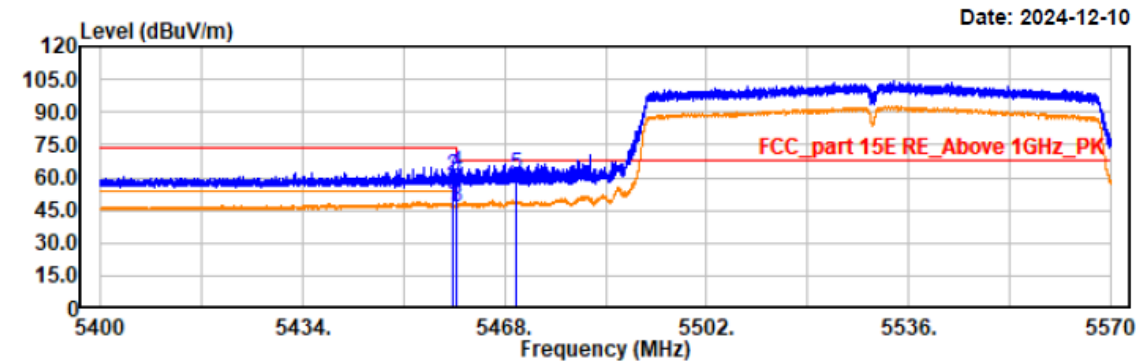
Trace: 1

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
5450.03	34.23	12.95	47.18	54.00	6.82	horizontal	Average
5450.03	47.52	12.95	60.47	74.00	13.53	horizontal	Peak
5459.99	44.80	12.96	57.76	74.00	16.24	horizontal	Peak
5459.99	34.49	12.96	47.45	54.00	6.55	horizontal	Average
5470.01	45.07	12.96	58.03	68.20	10.17	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5530
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



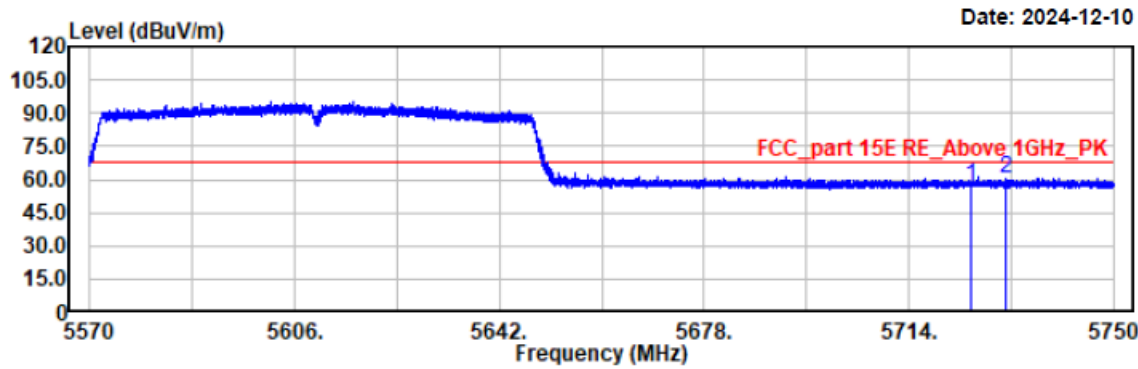
Trace: 1

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
5459.43	33.91	12.96	46.87	54.00	7.13	vertical	Average
5459.43	47.56	12.96	60.52	74.00	13.48	vertical	Peak
5459.99	33.76	12.96	46.72	54.00	7.28	vertical	Average
5459.99	48.87	12.96	61.83	74.00	12.17	vertical	Peak
5470.00	48.08	12.96	61.04	68.20	7.16	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5610
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

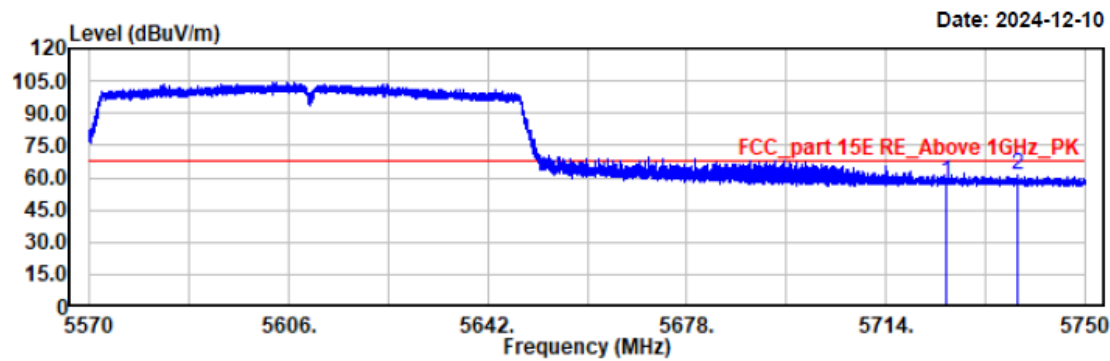


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	43.74	13.45	57.19	68.20	11.01	horizontal	Peak
5730.92	47.27	13.45	60.72	68.20	7.48	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5610
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



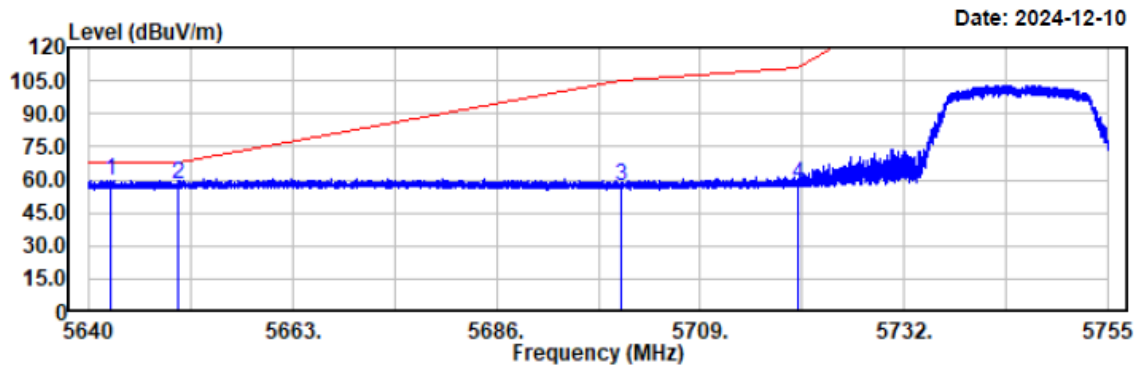
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5725.00	44.77	13.45	58.22	68.20	9.98	vertical	Peak
5737.83	47.62	13.45	61.07	68.20	7.13	vertical	Peak

B4:

Project No.: 2407V20721E-RF
Test Mode: 11a 5745
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

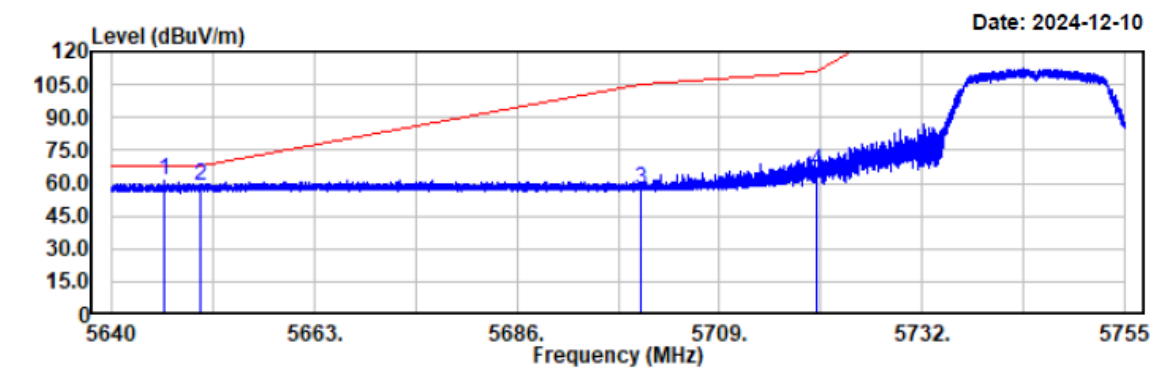


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5642.35	46.14	13.27	59.41	68.20	8.79	horizontal	Peak
5650.00	44.46	13.28	57.74	68.20	10.46	horizontal	Peak
5700.00	43.86	13.43	57.29	105.20	47.91	horizontal	Peak
5720.00	44.62	13.44	58.06	110.80	52.74	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5745
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

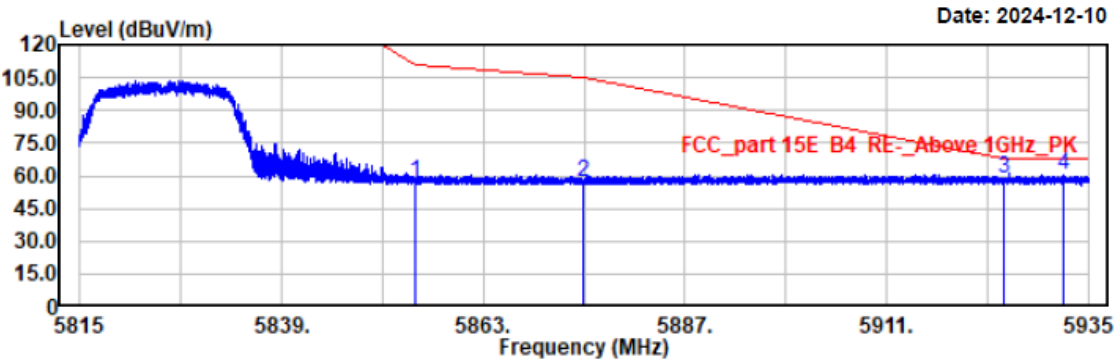


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5645.91	47.92	13.28	61.20	68.20	7.00	vertical	Peak
5650.00	45.24	13.28	58.52	68.20	9.68	vertical	Peak
5700.00	43.88	13.43	57.31	105.20	47.89	vertical	Peak
5720.00	51.87	13.44	65.31	110.80	45.49	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5825
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

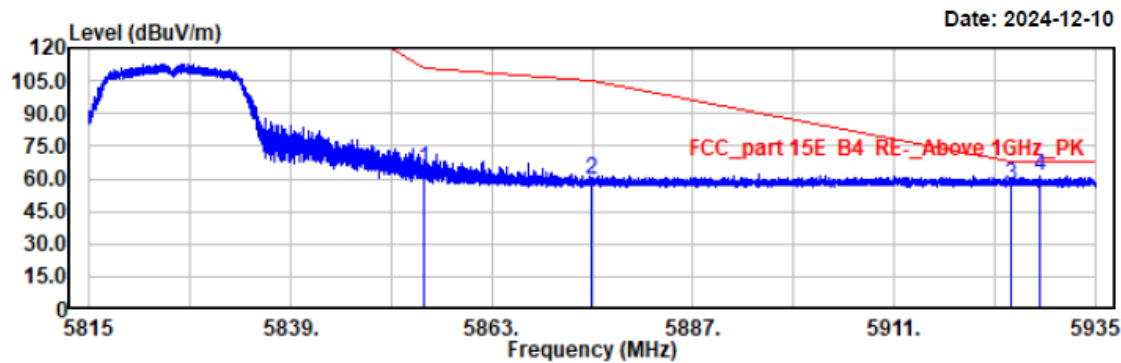


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	43.85	13.65	57.50	110.80	53.30	horizontal	Peak
5875.00	43.82	13.67	57.49	105.20	47.71	horizontal	Peak
5925.00	44.74	13.75	58.49	68.20	9.71	horizontal	Peak
5932.13	46.74	13.77	60.51	68.20	7.69	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11a 5825
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/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
5855.00	50.68	13.65	64.33	110.80	46.47	vertical	Peak
5875.00	45.65	13.67	59.32	105.20	45.88	vertical	Peak
5925.00	43.76	13.75	57.51	68.20	10.69	vertical	Peak
5928.29	47.33	13.77	61.10	68.20	7.10	vertical	Peak

Project No.: 2407V20721E-RF

Test Mode: 11n20 5745

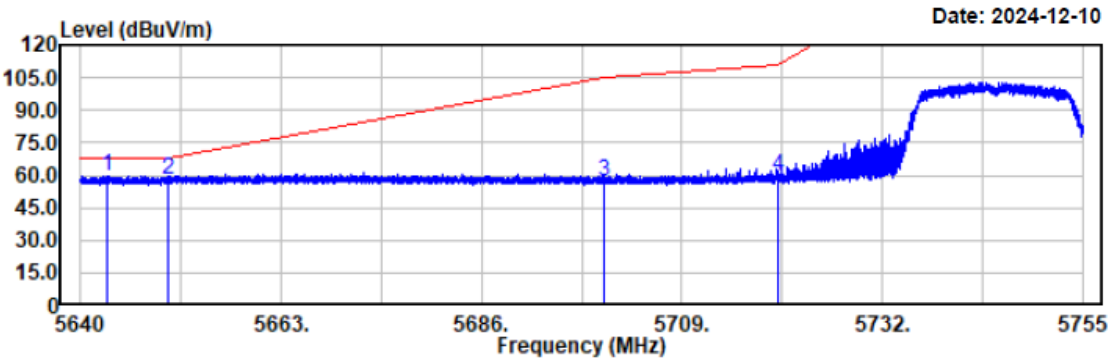
EUT Model: NLS-NQuire1000

Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa

Tested by: Wlif Wu

Power Source: AC120V/60Hz

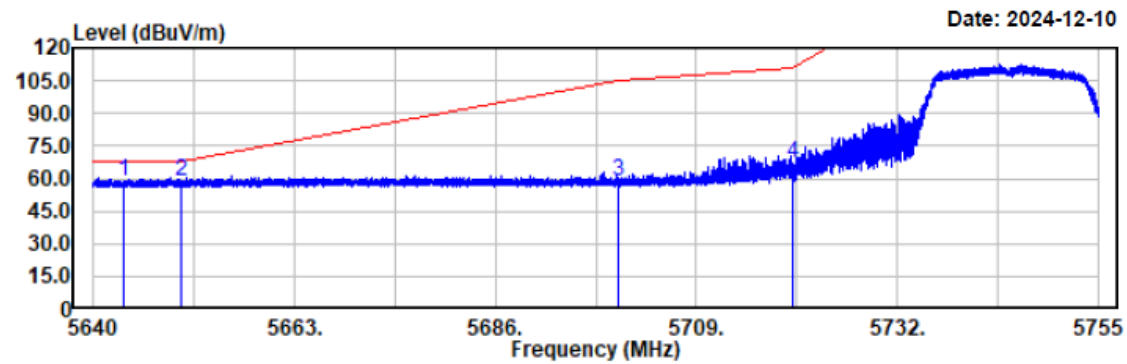


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5643.14	46.26	13.27	59.53	68.20	8.67	horizontal	Peak
5650.00	44.45	13.28	57.73	68.20	10.47	horizontal	Peak
5700.00	43.43	13.43	56.86	105.20	48.34	horizontal	Peak
5720.00	46.25	13.44	59.69	110.80	51.11	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5745
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

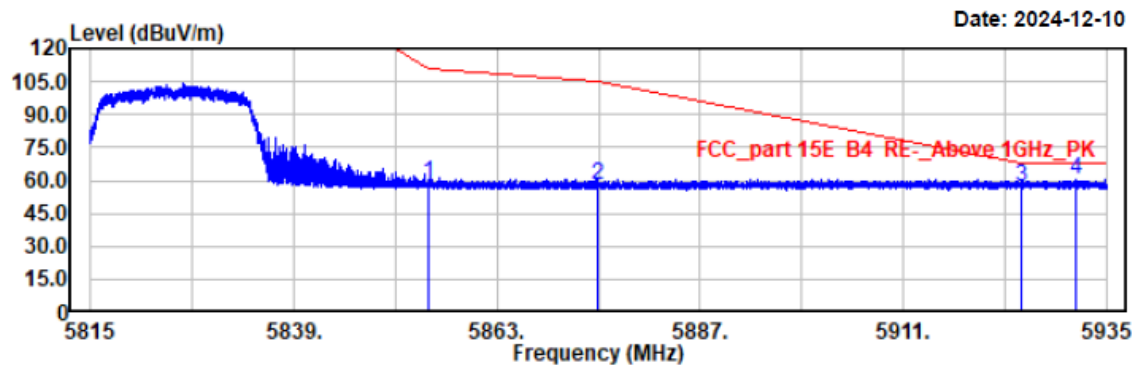


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5643.54	45.62	13.27	58.89	68.20	9.31	vertical	Peak
5650.00	45.60	13.28	58.88	68.20	9.32	vertical	Peak
5700.00	45.02	13.43	58.45	105.20	46.75	vertical	Peak
5720.00	53.34	13.44	66.78	110.80	44.02	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5825
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

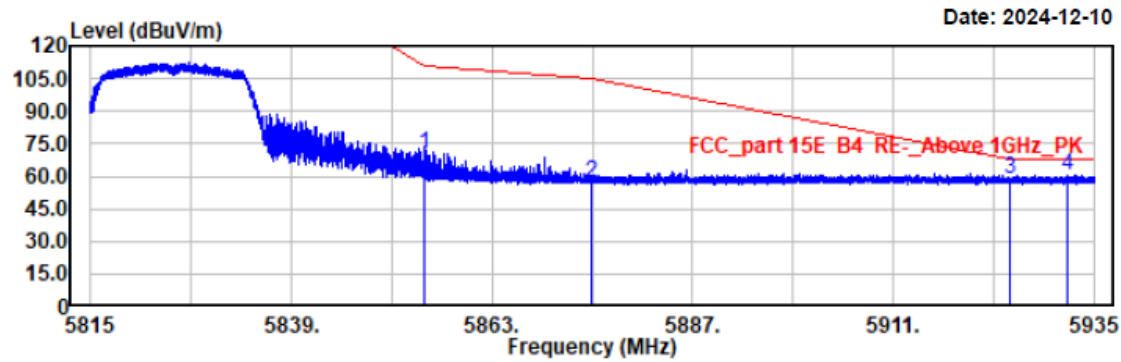


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	45.27	13.65	58.92	110.80	51.88	horizontal	Peak
5875.00	44.49	13.67	58.16	105.20	47.04	horizontal	Peak
5925.00	43.72	13.75	57.47	68.20	10.73	horizontal	Peak
5931.44	46.58	13.77	60.35	68.20	7.85	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n20 5825
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

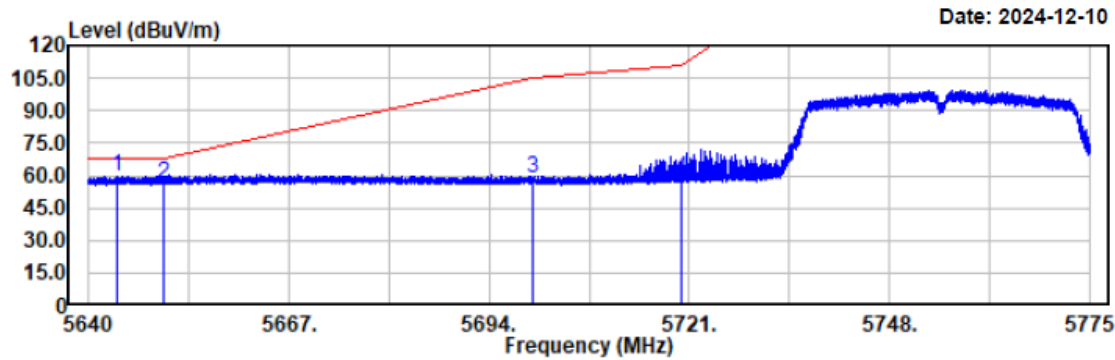


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	56.77	13.65	70.42	110.80	40.38	vertical	Peak
5875.00	43.59	13.67	57.26	105.20	47.94	vertical	Peak
5925.00	44.93	13.75	58.68	68.20	9.52	vertical	Peak
5931.86	46.85	13.77	60.62	68.20	7.58	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5755
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

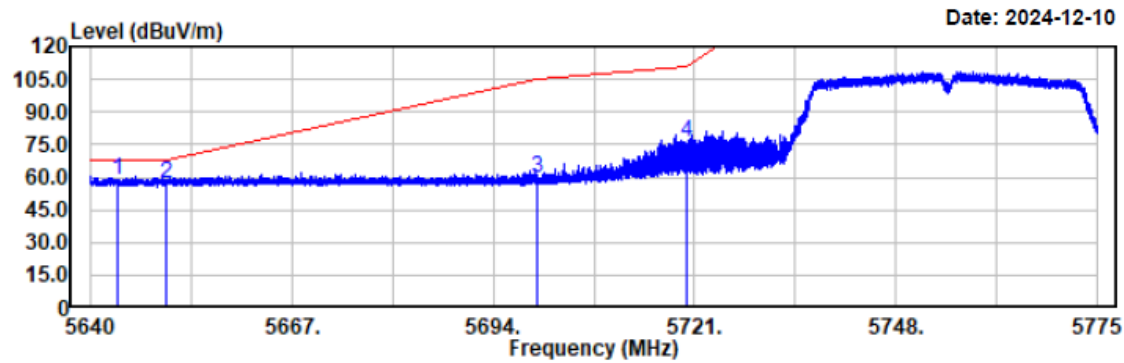


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5643.94	46.69	13.27	59.96	68.20	8.24	horizontal	Peak
5650.00	43.11	13.28	56.39	68.20	11.81	horizontal	Peak
5700.00	45.06	13.43	58.49	105.20	46.71	horizontal	Peak
5720.00	45.25	13.44	58.69	110.80	52.11	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5755
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

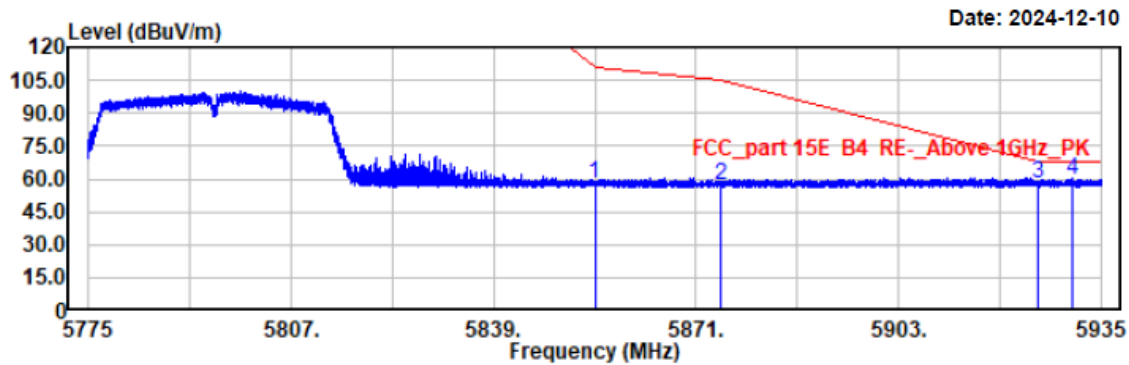


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5643.58	45.80	13.27	59.07	68.20	9.13	vertical	Peak
5650.00	43.95	13.28	57.23	68.20	10.97	vertical	Peak
5700.00	45.94	13.43	59.37	105.20	45.83	vertical	Peak
5720.00	62.41	13.44	75.85	110.80	34.95	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5795
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

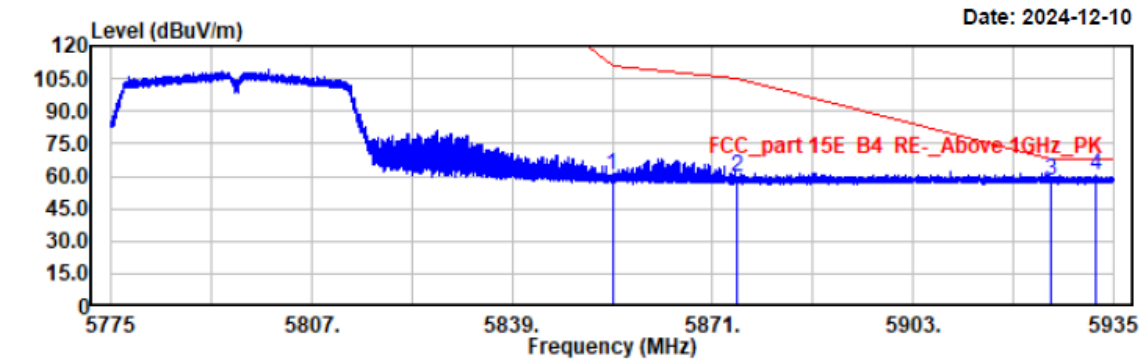


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	44.64	13.65	58.29	110.80	52.51	horizontal	Peak
5875.00	43.83	13.67	57.50	105.20	47.70	horizontal	Peak
5925.00	44.13	13.75	57.88	68.20	10.32	horizontal	Peak
5930.49	45.98	13.77	59.75	68.20	8.45	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11n40 5795
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

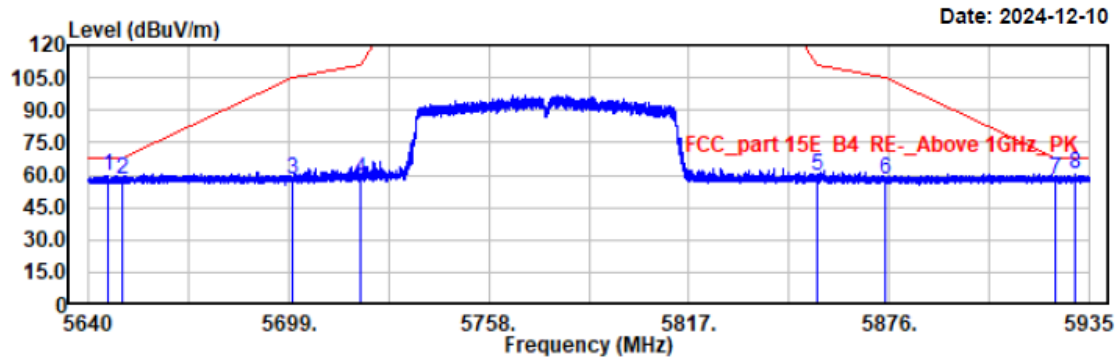


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	46.92	13.65	60.57	110.80	50.23	vertical	Peak
5875.00	45.83	13.67	59.50	105.20	45.70	vertical	Peak
5925.00	44.11	13.75	57.86	68.20	10.34	vertical	Peak
5932.10	46.61	13.77	60.38	68.20	7.82	vertical	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5775
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz

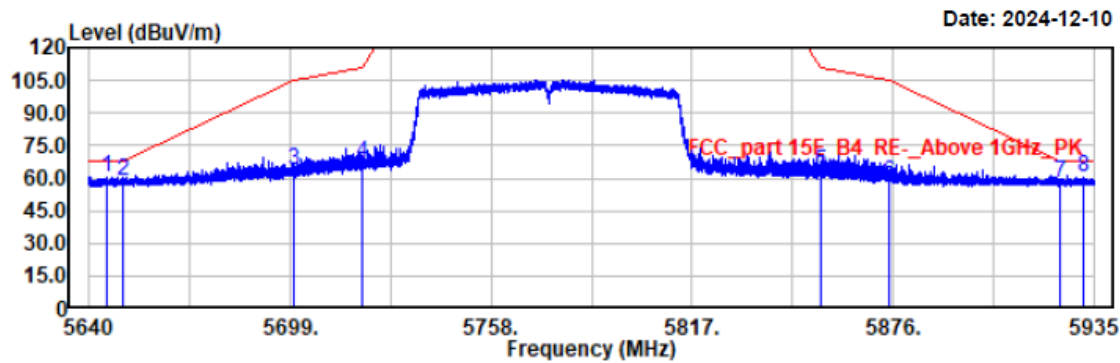


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5645.58	46.60	13.28	59.88	68.20	8.32	horizontal	Peak
5650.00	44.43	13.28	57.71	68.20	10.49	horizontal	Peak
5700.00	44.28	13.43	57.71	105.20	47.49	horizontal	Peak
5720.00	44.36	13.44	57.80	110.80	53.00	horizontal	Peak
5855.00	45.84	13.65	59.49	110.80	51.31	horizontal	Peak
5875.00	44.10	13.67	57.77	105.20	47.43	horizontal	Peak
5925.00	44.21	13.75	57.96	68.20	10.24	horizontal	Peak
5930.84	46.50	13.77	60.27	68.20	7.93	horizontal	Peak

Project No.: 2407V20721E-RF
Test Mode: 11ac80 5775
EUT Model: NLS-NQuire1000
Test distance: 3m

Temp/Humi/ATM: 23.5°C/48%/100.1kPa
Tested by: Wlif Wu
Power Source: AC120V/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
5645.13	46.97	13.28	60.25	68.20	7.95	vertical	Peak
5650.00	45.25	13.28	58.53	68.20	9.67	vertical	Peak
5700.00	50.31	13.43	63.74	105.20	41.46	vertical	Peak
5720.00	53.36	13.44	66.80	110.80	44.00	vertical	Peak
5855.00	49.49	13.65	63.14	110.80	47.66	vertical	Peak
5875.00	44.45	13.67	58.12	105.20	47.08	vertical	Peak
5925.00	44.15	13.75	57.90	68.20	10.30	vertical	Peak
5932.05	46.80	13.77	60.57	68.20	7.63	vertical	Peak

FCC §15.407(a) (e)–EMISSION BANDWIDTH

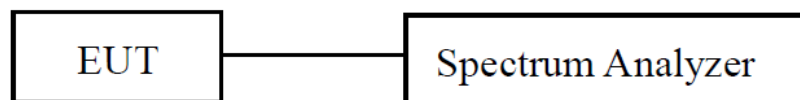
Applicable Standard

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

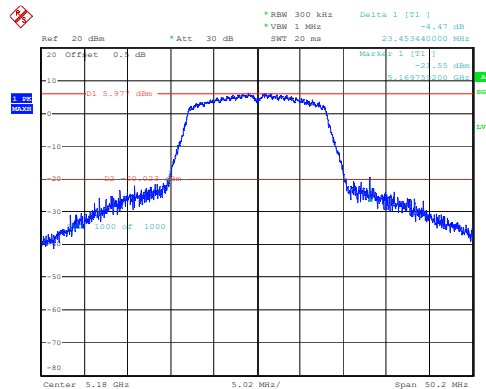
Test Mode:	Transmitting	Test Engineer:	Stein Peng
Test Date:	2024-08-06	Test Voltage:	AC120V/60Hz
Test Result:	Compliance	Environment:	Temp.: 24.0°C Humi.: 65% Atm :100.2kPa
5150-5250 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	23.453	16.6
	5200	20.401	16.6
	5240	20.361	16.6
802.11n ht20	5180	21.915	17.68
	5200	22.118	17.68
	5240	21.583	17.68
802.11n ht40	5190	41.2	36.24
	5230	41.12	36.32
802.11ac vht80	5210	81.76	75.36
5250-5350 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	20.321	16.56
	5280	20.281	16.56
	5320	20.240	16.64
802.11n ht20	5260	20.726	17.68
	5280	20.685	17.64
	5320	22.277	17.64
802.11n ht40	5270	41.12	36.24
	5310	41.04	36.24
802.11ac vht80	5290	81.76	75.52

5470-5725 MHz:			
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	21.689	16.64
	5580	20.2	16.56
	5700	21.526	16.6
	5720	21.329	16.6
802.11n ht20	5500	20.889	17.68
	5580	22.157	17.68
	5700	25.272	17.64
	5720	20.726	17.64
802.11n ht40	5510	41.12	36.32
	5550	41.2	36.32
	5670	41.28	36.24
	5710	41.12	36.32
802.11ac vht80	5530	81.76	75.52
	5610	81.76	75.52
	5690	81.6	75.52
5725-5850 MHz:			
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	15.24	16.6
	5785	15.2	16.52
	5825	15.2	16.52
802.11n ht20	5745	15.24	17.68
	5785	15.16	17.68
	5825	15.24	17.68
802.11n ht40	5755	35.2	36.24
	5795	35.28	36.24
802.11ac vht80	5775	75.52	75.36
Note:6dB Emission Bandwidth Limit: ≥ 0.5 MHz			

26dB Emission Bandwidth:

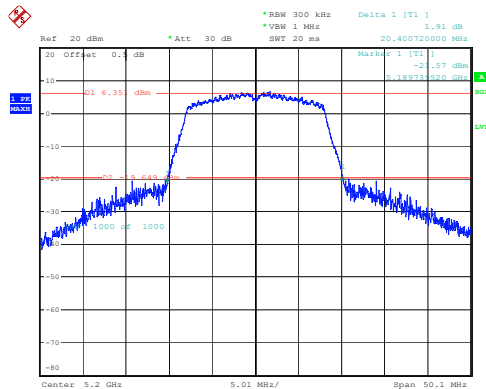
5150-5250MHz:

a_5180MHz_Chain 0



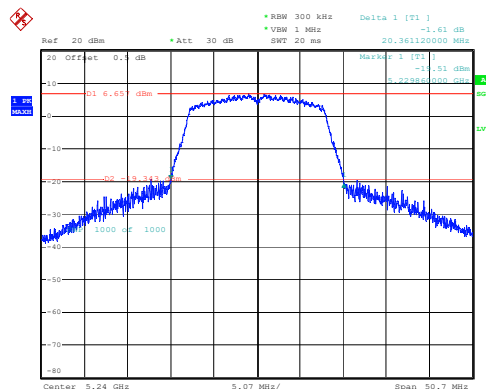
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Date: 6.AUG.2024 11:34:14

a_5200MHz_Chain 0



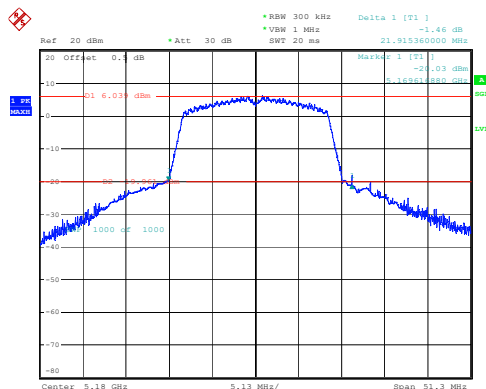
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Date: 6.AUG.2024 11:36:23

a_5240MHz_Chain 0



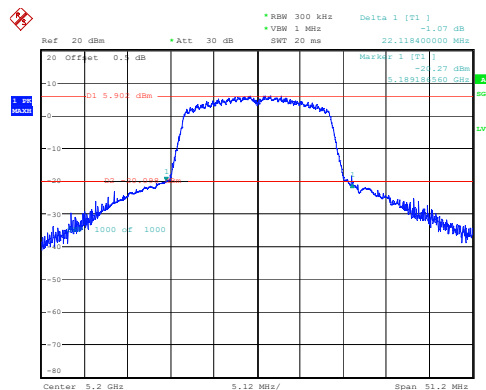
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Date: 6.AUG.2024 11:38:39

n20_5180MHz_Chain 0



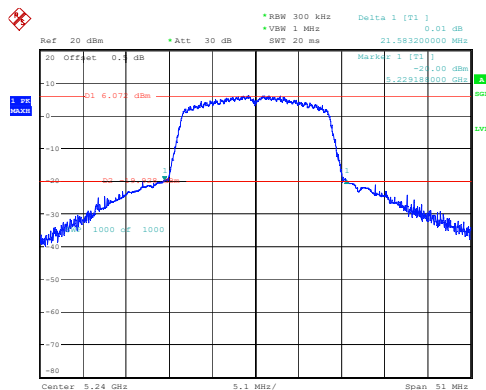
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n20_5200MHz_Chain 0



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Date: 6.AUG.2024 13:14:39

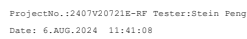
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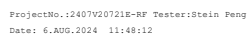
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Date: 6.AUG.2024 13:17:01

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Date: 6.AUG.2024 16:00:49

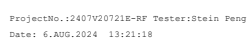
a_5260MHz_Chain 0



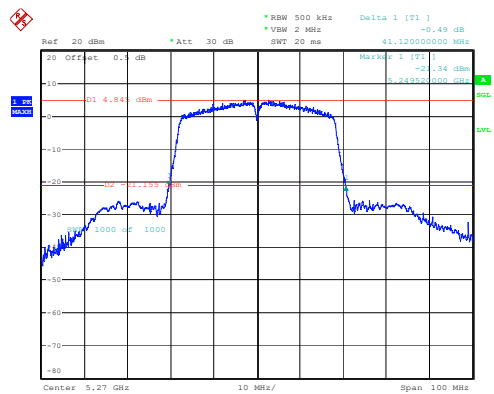
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Date: 6.AUG.2024 11:46:04



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Date: 6.AUG.2024 13:19:12

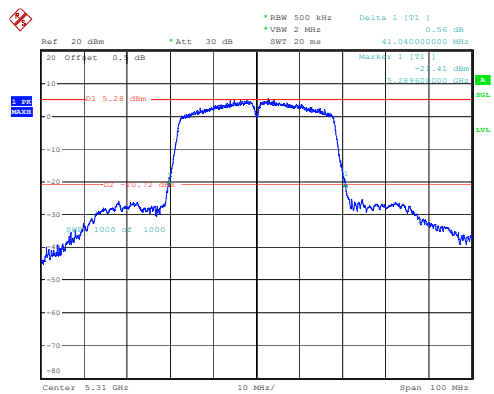


n40_5270MHz_Chain 0



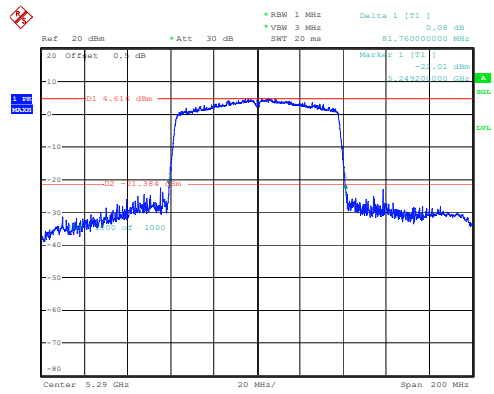
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n40_5310MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
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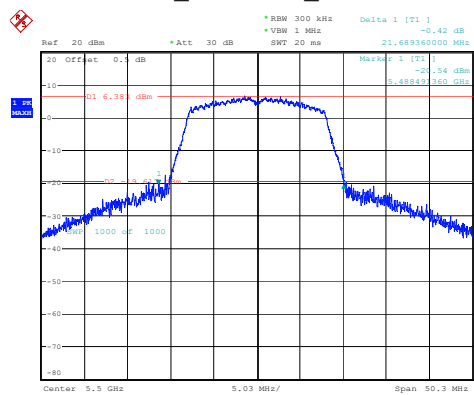
ac80_5290MHz_Chain 0



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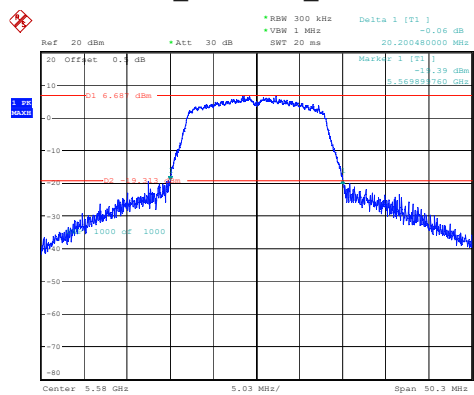
5470-5725 MHz:

a_5500MHz_Chain 0



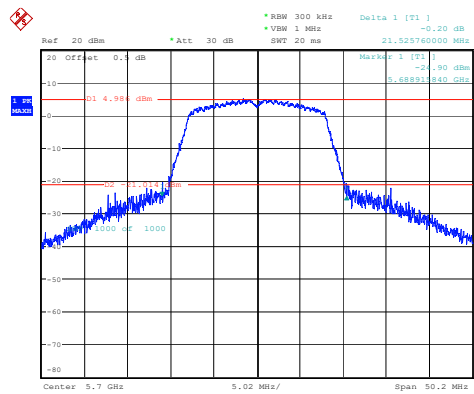
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a_5580MHz_Chain 0



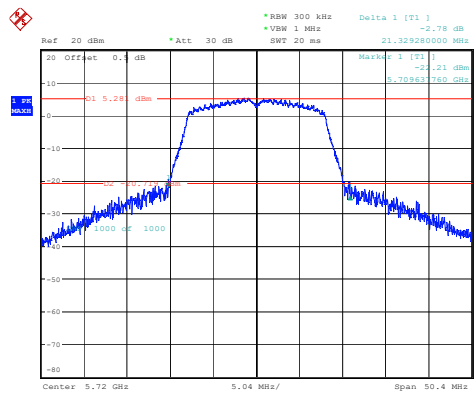
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a_5700MHz_Chain 0



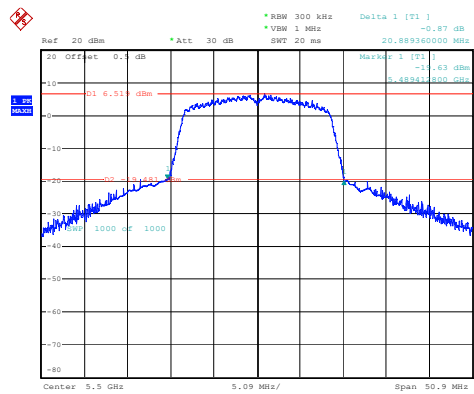
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a_5720MHz_Chain 0



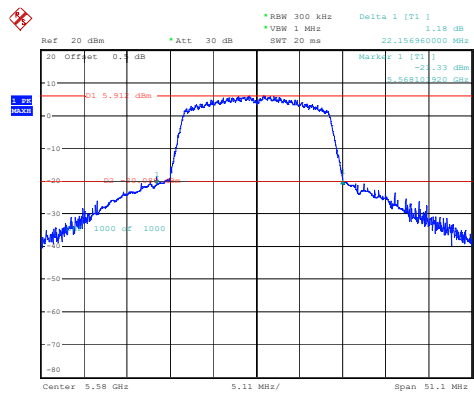
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n20_5500MHz_Chain 0



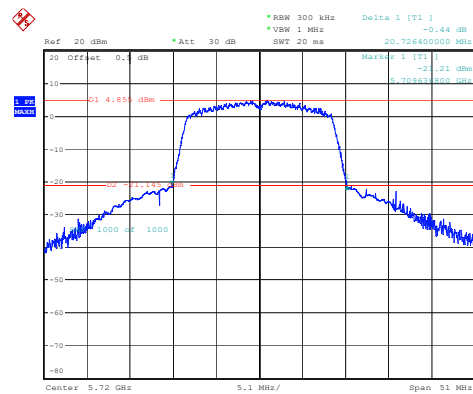
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n20_5580MHz_Chain 0



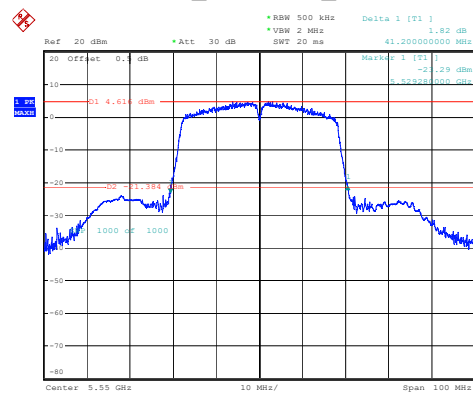
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n20_5720MHz_Chain 0



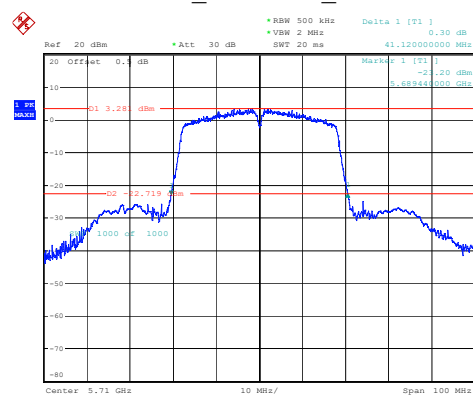
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Date: 6.AUG.2024 13:36:38

n40_5550MHz_Chain 0



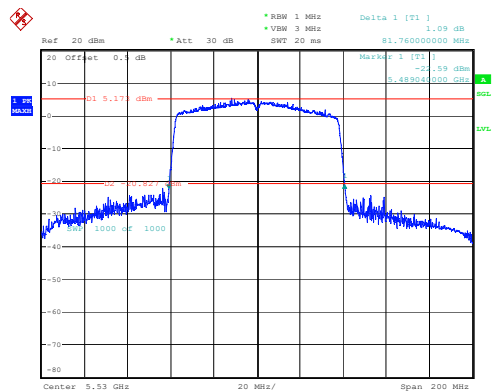
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Date: 6.AUG.2024 14:28:57

n40_5710MHz_Chain 0



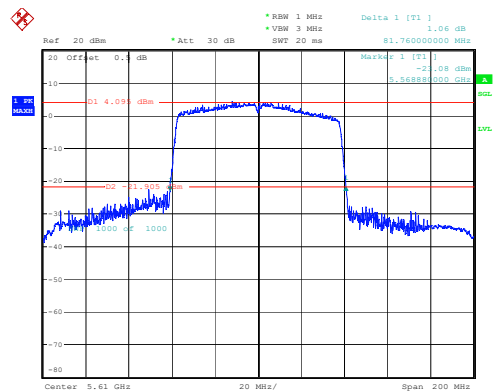
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ac80_5530MHz_Chain 0



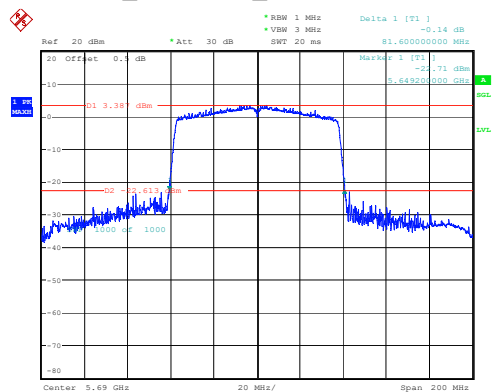
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ac80_5610MHz_Chain 0



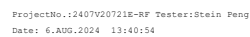
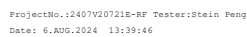
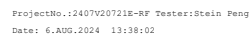
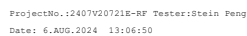
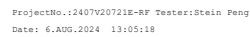
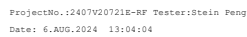
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Date: 6.AUG.2024 16:11:24

ac80_5690MHz_Chain 0 90.290MHz

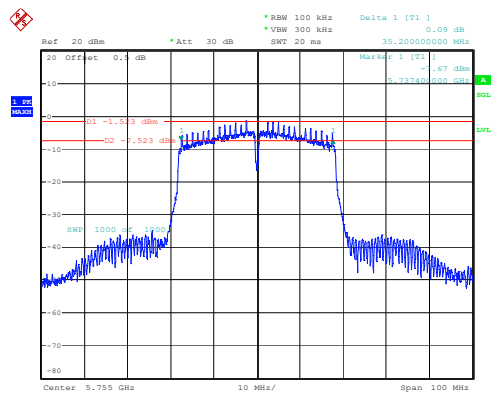


ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 16:14:21

a_5745MHz_Chain 0

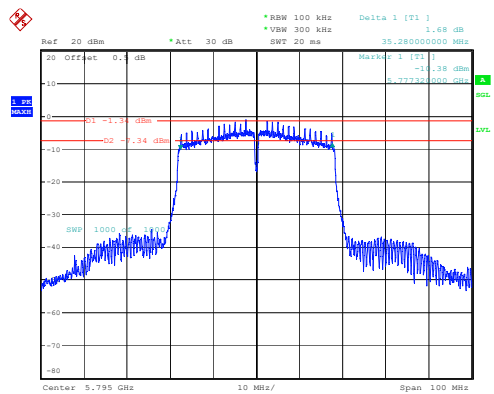


n40_5755MHz_Chain 0



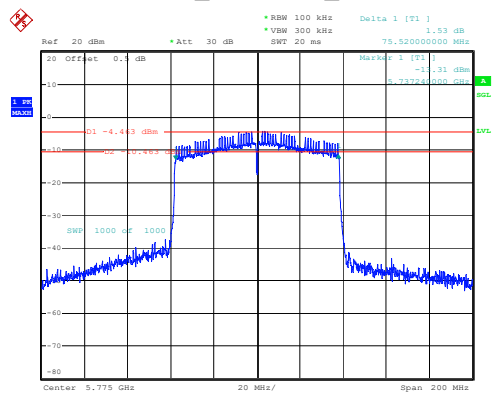
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Date: 6.AUG.2024 14:37:48

n40_5795MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 14:39:40

ac80_5775MHz_Chain 0

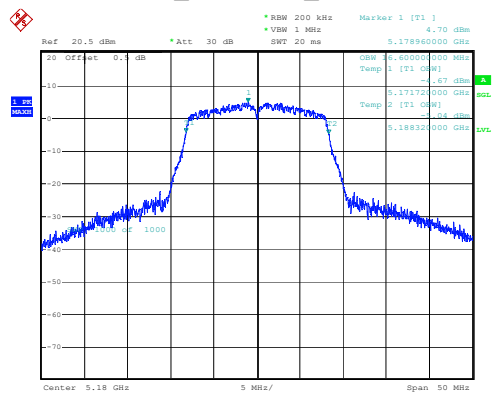


ProjectNo.:2407V20721E-RF Tester:Stein Peng
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99% Occupied Bandwidth:

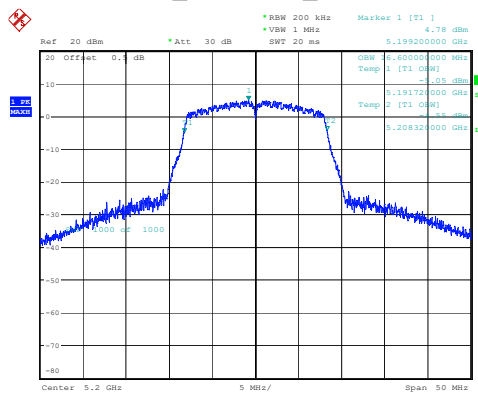
5150-5250 MHz:

a_5180MHz_Chain 0



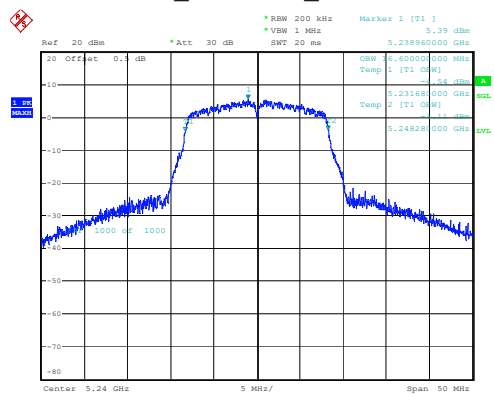
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Date: 6.AUG.2024 09:13:36

a_5200MHz_Chain 0



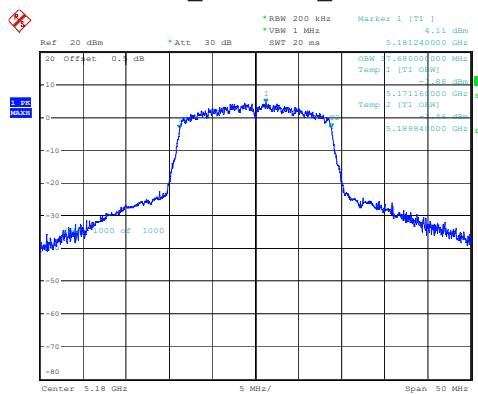
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Date: 6.AUG.2024 09:14:58

a_5240MHz_Chain 0



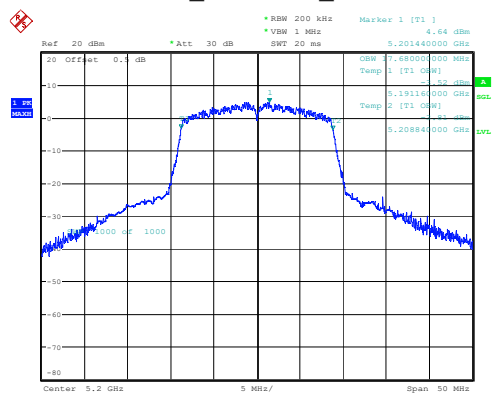
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Date: 6.AUG.2024 09:16:28

n20_5180MHz_Chain 0



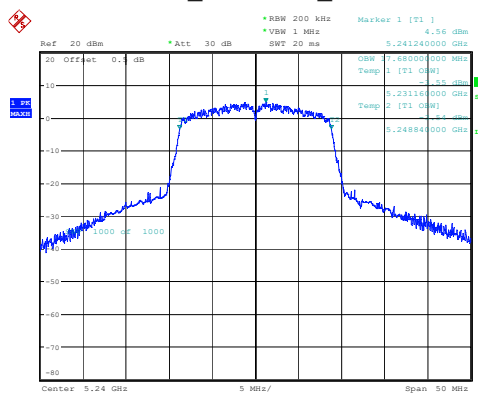
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n20_5200MHz_Chain 0



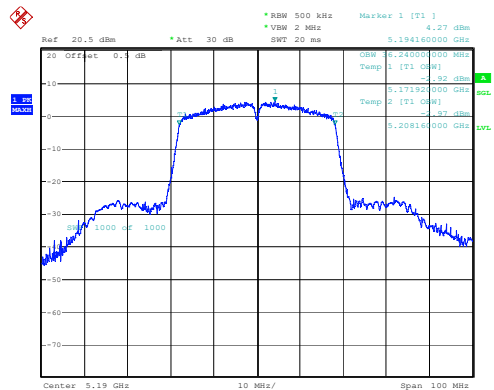
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n20_5240MHz_Chain 0



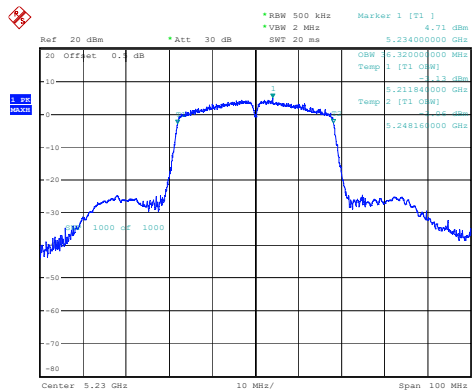
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n40_5190MHz_Chain 0



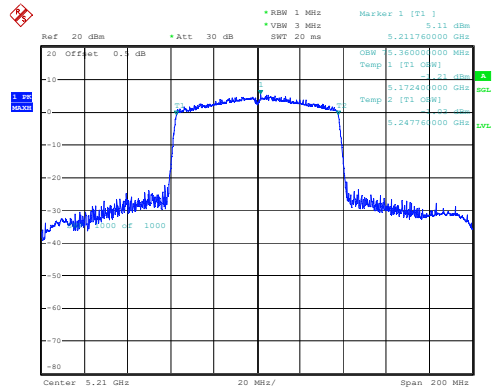
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Date: 6.AUG.2024 10:29:00

n40_5230MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 10:30:57

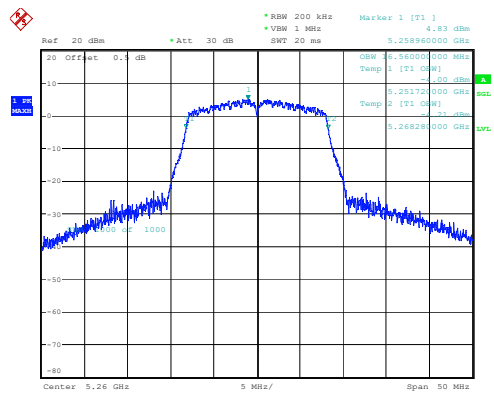
ac80_5210MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 11:17:24

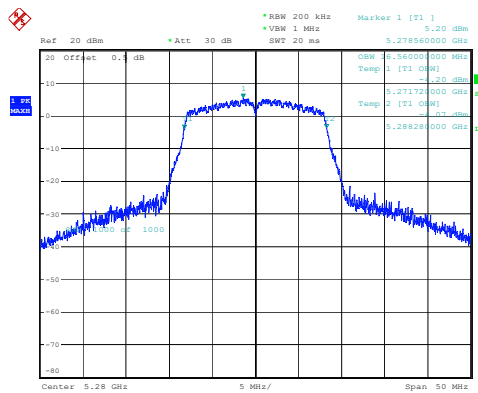
5250-5350 MHz:

a_5260MHz_Chain 0



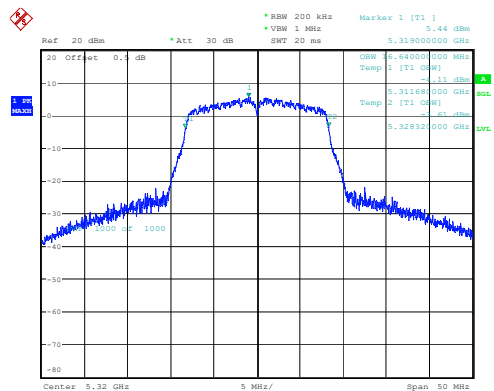
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a_5280MHz_Chain 0



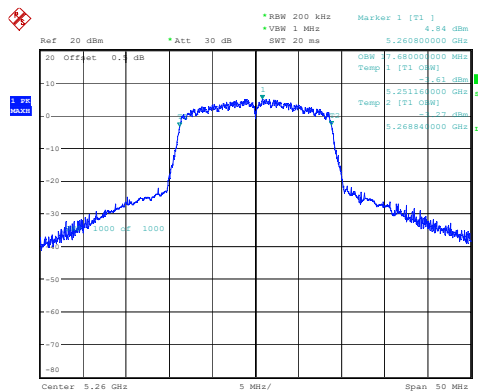
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a_5320MHz_Chain 0



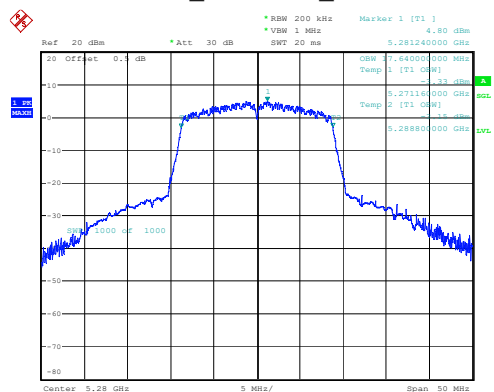
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n20_5260MHz_Chain 0



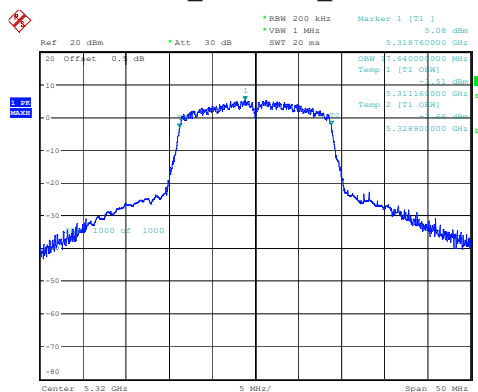
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n20_5280MHz_Chain 0



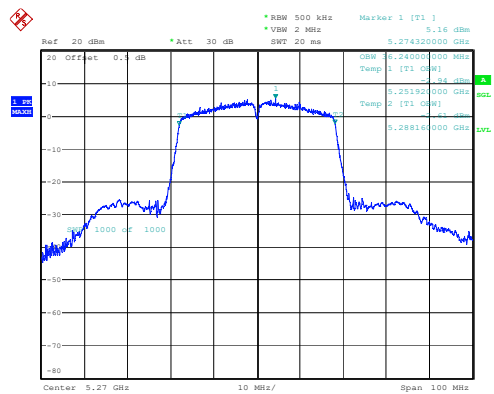
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Date: 6.AUG.2024 09:41:32

n20_5320MHz_Chain 0



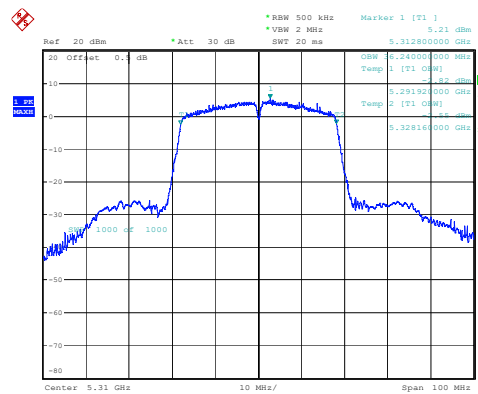
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 09:42:49

n40_5270MHz_Chain 0



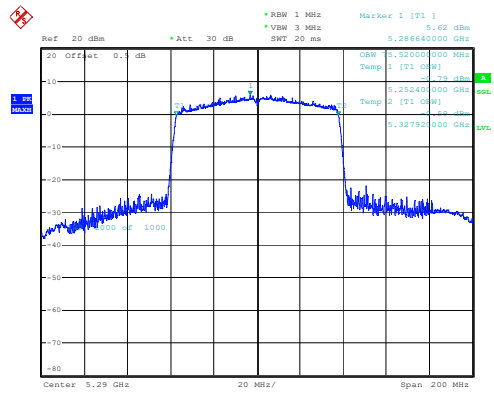
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 10:32:53

n40_5310MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 10:35:00

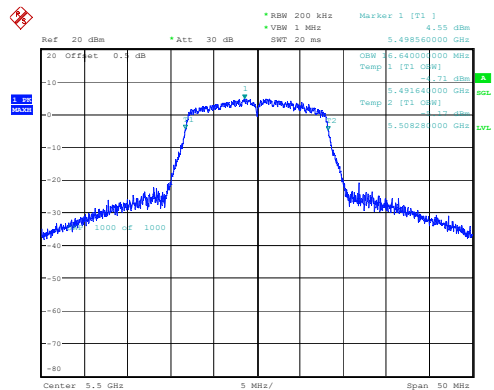
ac80_5290MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 11:19:20

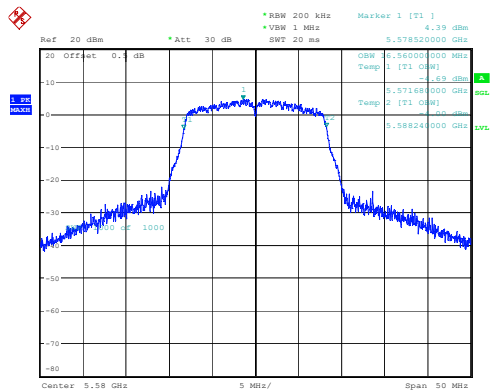
5470-5725 MHz:

a_5500MHz_Chain 0



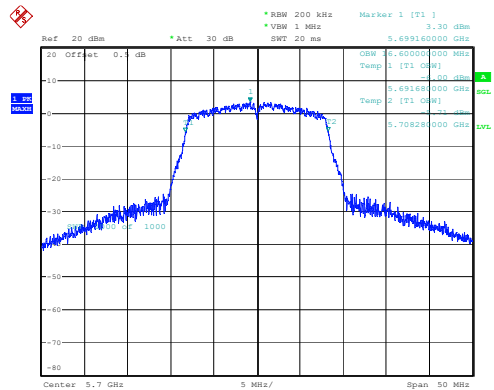
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 09:22:34

a_5580MHz_Chain 0



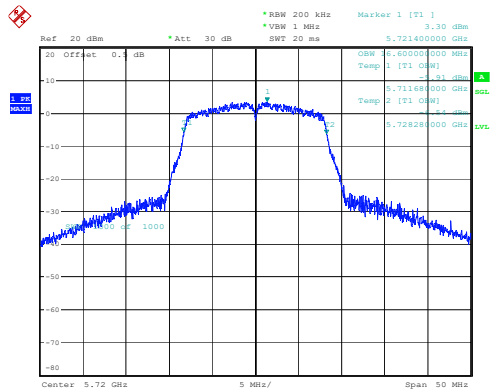
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 09:23:59

a_5700MHz_Chain 0



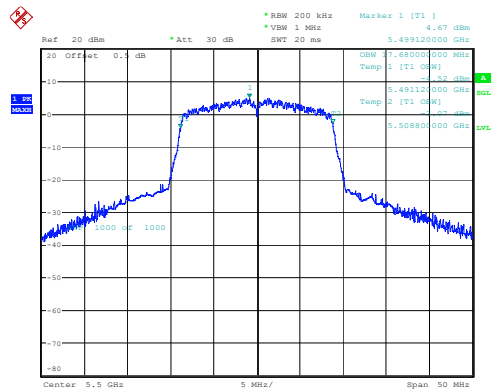
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Date: 6.AUG.2024 09:25:29

a_5720MHz_Chain 0



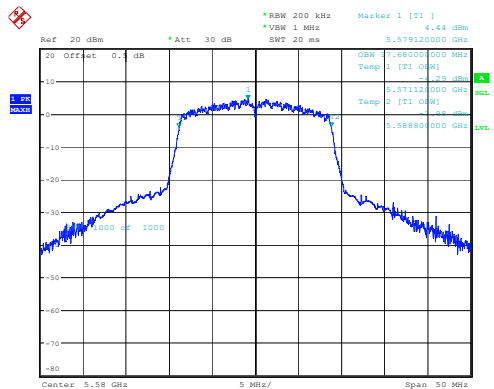
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Date: 6.AUG.2024 09:27:56

n20_5500MHz_Chain 0



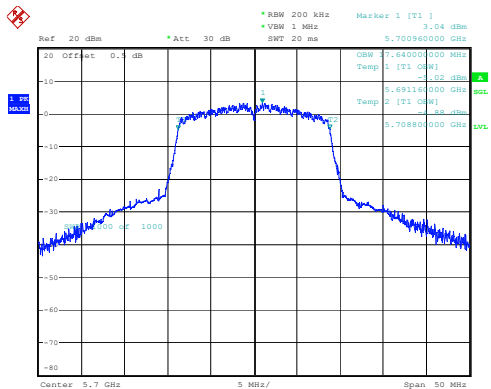
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n20_5580MHz_Chain 0



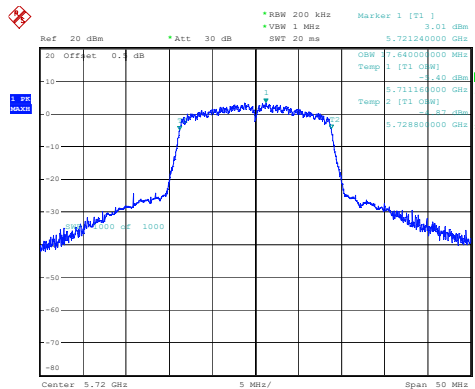
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n20_5700MHz_Chain 0z



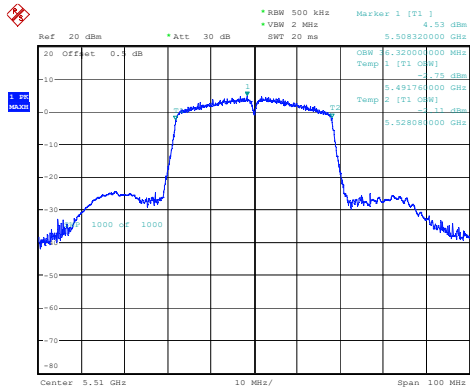
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Date: 6.AUG.2024 09:48:46

n20_5720MHz_Chain 0



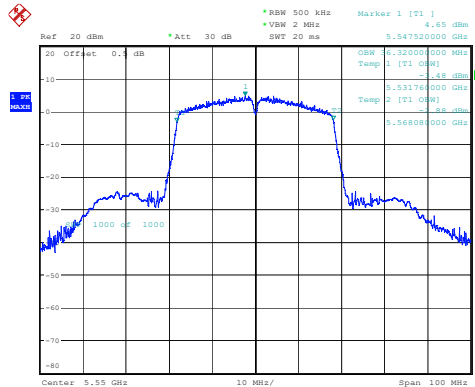
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Date: 6.AUG.2024 09:52:07

n40_5510MHz_Chain 0



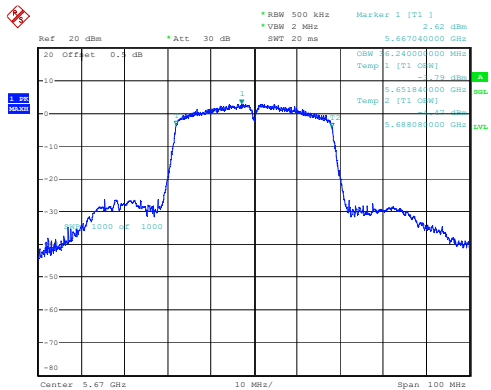
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n40_5550MHz_Chain 0



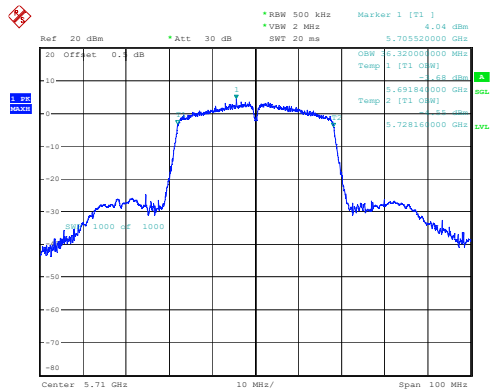
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Date: 6.AUG.2024 10:39:09

n40_5670MHz_Chain 0



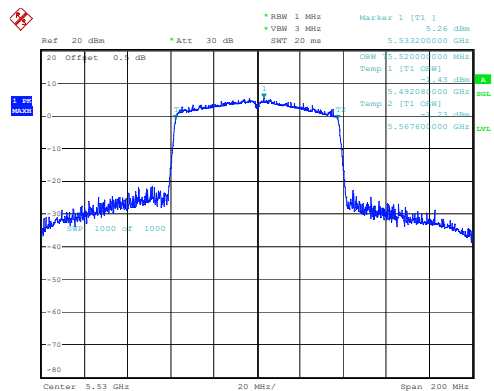
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n40_5710MHz_Chain 0



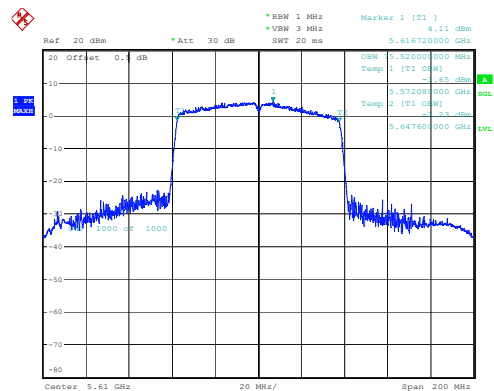
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ac80_5530MHz_Chain 0



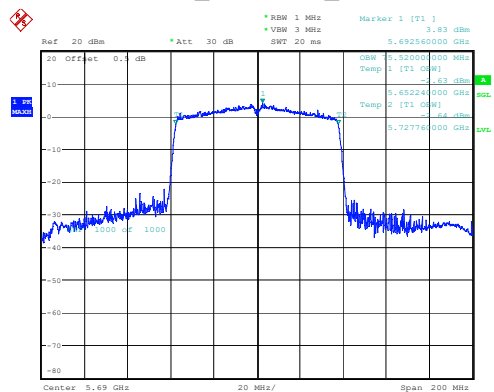
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Date: 6.AUG.2024 11:22:45

ac80_5610MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 11:25:19

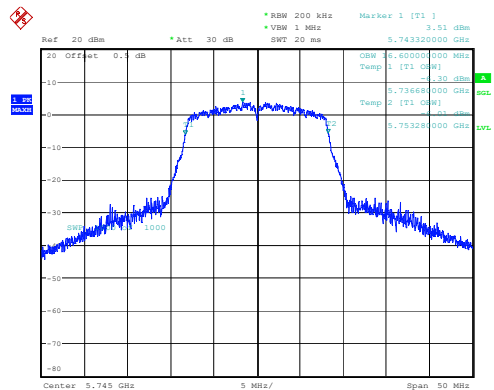
ac80_5690MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 11:29:16

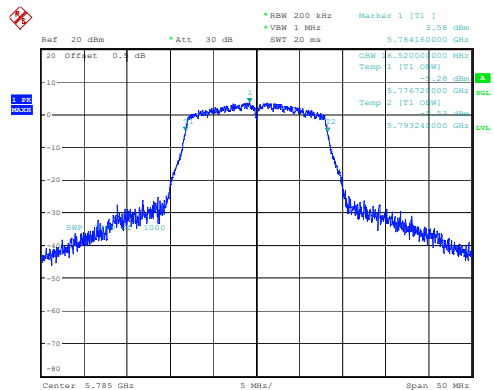
5725-5850 MHz:

a_5745MHz_Chain 0



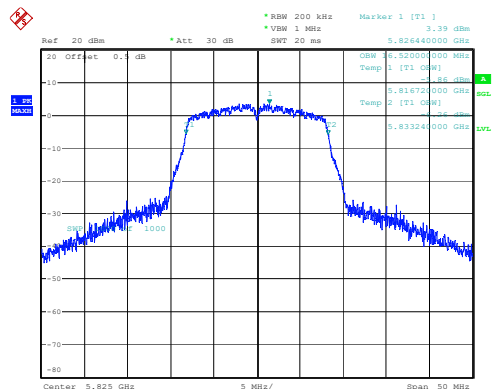
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Date: 6.AUG.2024 09:29:15

a_5785MHz_Chain 0



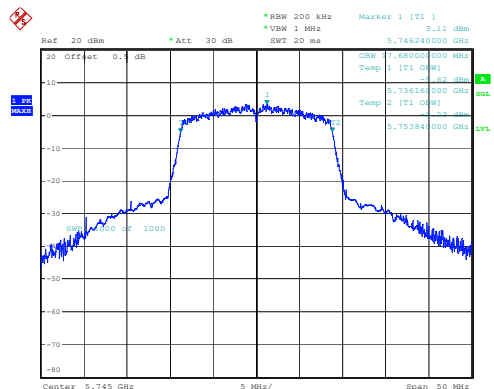
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Date: 6.AUG.2024 09:30:33

a_5825MHz_Chain 0



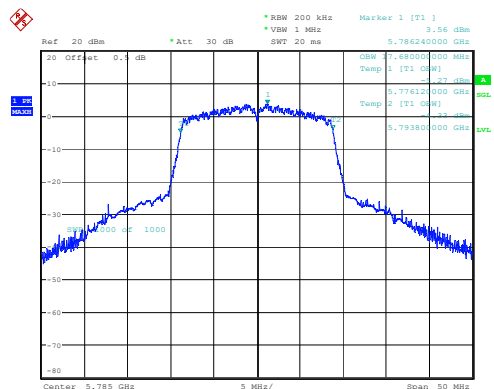
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Date: 6.AUG.2024 09:33:51

n20_5745MHz_Chain 0



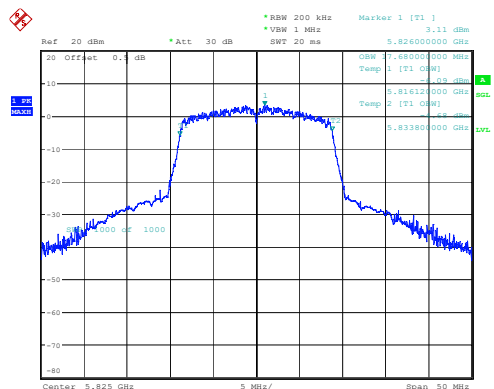
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n20_5785MHz_Chain 0



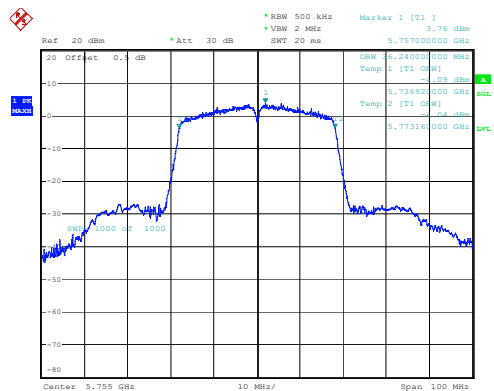
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Date: 6.AUG.2024 09:54:42

n20_5825MHz_Chain 0



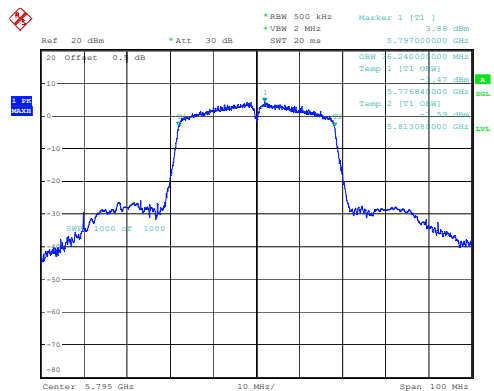
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Date: 6.AUG.2024 09:56:51

n40_5755MHz_Chain 0



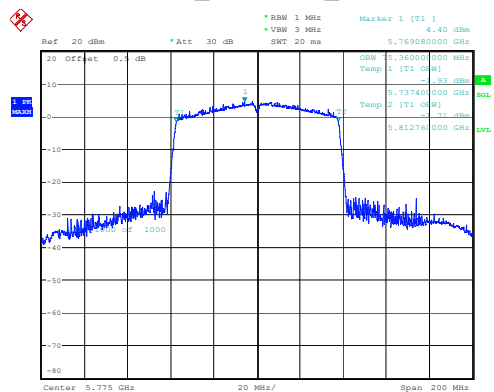
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 10:48:21

n40_5795MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 10:50:24

ac80_5775MHz_Chain 0



ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 6.AUG.2024 11:31:18

FCC §15.407(a) - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

FCC §15.407(a) (1)(iv)

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

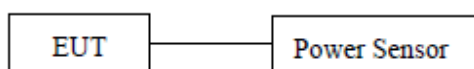
FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

EUT Setup



Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.1

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Test Data

Test Mode:	Transmitting	Test Engineer:	Stein Peng
Test Date:	2024-08-06	Test Voltage:	AC120V/60Hz
Test Result:	Compliance	Environment:	Temp.: 24.0°C Humi.: 65% Atm.:100.2kPa
Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Reading	Limit
5150-5250 MHz			
802.11a	5180	13.716	24
	5200	13.851	24
	5240	13.926	24
802.11n ht20	5180	13.015	24
	5200	13.216	24
	5240	13.477	24
802.11n ht40	5190	11.013	24
	5230	12.117	24
802.11ac vht80	5210	10.616	24
5250-5350 MHz			
802.11a	5260	13.852	24
	5280	13.817	24
	5320	13.673	24
802.11n ht20	5260	13.515	24
	5280	13.627	24
	5320	13.851	24
802.11n ht40	5270	12.351	24
	5310	11.493	24
802.11ac vht80	5290	10.514	24
5470-5725 MHz			
802.11a	5500	12.053	24
	5580	11.531	24
	5700	10.585	24
	5720	10.598	24
802.11n ht20	5500	11.962	24
	5580	11.353	24
	5700	10.544	24
	5720	10.406	24
802.11n ht40	5510	9.631	24
	5550	10.457	24
	5670	9.532	24
	5710	9.135	24
802.11ac vht80	5530	9.216	24
	5610	9.544	24
	5690	8.975	24

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Reading(dBm)	Limit(dBm)
5725-5850 MHz			
802.11a	5745	10.932	30
	5785	10.623	30
	5825	10.464	30
802.11n ht40	5745	10.768	30
	5785	10.603	30
	5825	10.313	30
802.11n ht40	5755	9.457	30
	5795	9.335	30
802.11ac vht80	5775	9.063	30

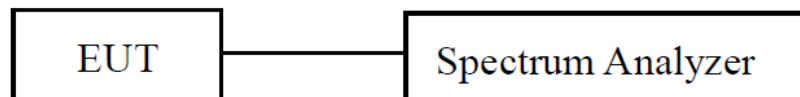
Note: The device is a client device.

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

FCC §15.407(a) (1)(i); FCC §15.407(a) (2); FCC §15.407(a) (3)(i)

EUT Setup



Test Procedure

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

Duty cycle $\geq 98\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

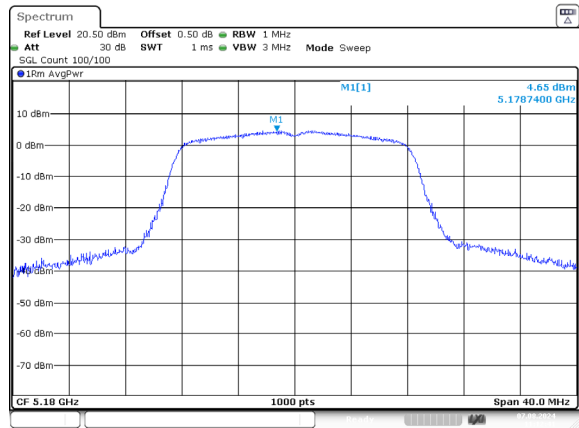
Test Data

Test Mode:		Transmitting		Test Engineer:		Stein Peng	
Test Date:		2024-08-07		Test Voltage:		AC120V/60Hz	
Test Result:		Compliance		Environment:		Temp.: 24.3°C Humi.: 59% Atm: 100.5kPa	
Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)			
				Result	Limit		
5150-5250 MHz							
802.11a	5180	4.65	0.14	4.79	11		
	5200	4.78	0.14	4.92	11		
	5240	5.33	0.14	5.47	11		
802.11n ht20	5180	4.47	0.15	4.62	11		
	5200	4.69	0.15	4.84	11		
	5240	5.09	0.15	5.24	11		
802.11n ht40	5190	-0.65	0.29	-0.36	11		
	5230	0.76	0.29	1.05	11		
802.11ac vht80	5210	-3.84	0.28	-3.56	11		
5250-5350 MHz							
802.11a	5260	5.57	0.14	5.71	11		
	5280	5.48	0.14	5.62	11		
	5320	5.28	0.14	5.42	11		
802.11n ht20	5260	5.12	0.15	5.27	11		
	5280	5.32	0.15	5.47	11		
	5320	5.62	0.15	5.77	11		
802.11n ht40	5270	0.99	0.49	1.48	11		
	5310	-0.24	0.49	0.25	11		
802.11ac vht80	5290	-3.56	0.61	-2.95	11		
5470-5725 MHz							
802.11a	5500	4.57	0.14	4.71	11		
	5580	3.65	0.14	3.79	11		
	5700	2.13	0.14	2.27	11		
	5720	2.15	0.14	2.29	11		
802.11n ht20	5500	4.14	0.15	4.29	11		
	5580	3.4	0.15	3.55	11		
	5700	1.97	0.15	2.12	11		
	5720	1.82	0.15	1.97	11		
802.11n ht40	5510	-1.3	0.29	-1.01	11		
	5550	-0.25	0.29	0.04	11		
	5670	-2.09	0.29	-1.80	11		
	5710	-2.13	0.29	-1.84	11		
802.11ac vht80	5530	-4.59	0.61	-3.98	11		
	5610	-4.4	0.61	-3.79	11		
	5690	-5.4	0.61	-4.79	11		

Test Modes	Test Frequency (MHz)	Reading (dBm /500kHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm /500kHz)	
				Result	Limit
5725-5850 MHz					
802.11a	5745	0.06	0.14	0.20	30
	5785	0.03	0.14	0.17	30
	5825	0.04	0.14	0.18	30
802.11n ht20	5745	-0.3	0.15	-0.15	30
	5785	-0.32	0.15	-0.17	30
	5825	-0.18	0.15	-0.03	30
802.11n ht40	5755	-4.41	0.28	-4.13	30
	5795	-4.95	0.28	-4.67	30
802.11ac vht80	5775	-7.98	0.61	-7.37	30

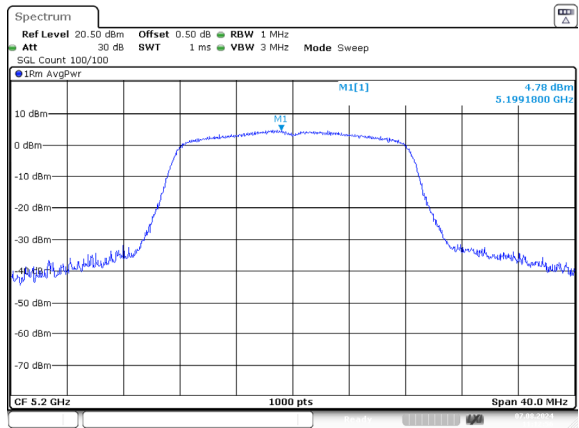
5150-5250 MHz:

a_5180MHz_Chain 0



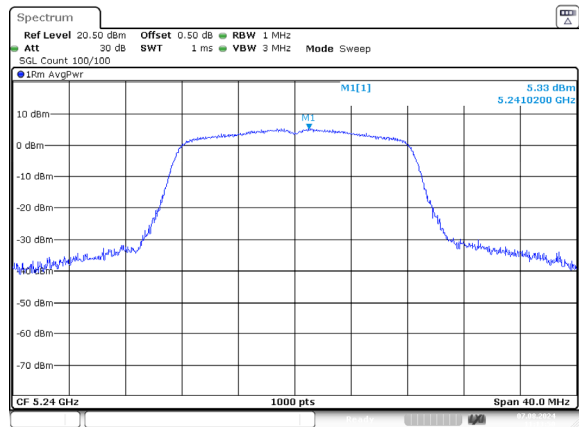
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:12:41

a_5200MHz_Chain 0



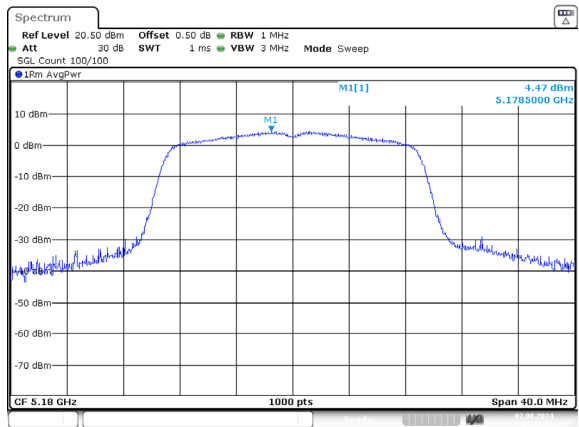
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:12:56

a_5240MHz_Chain 0



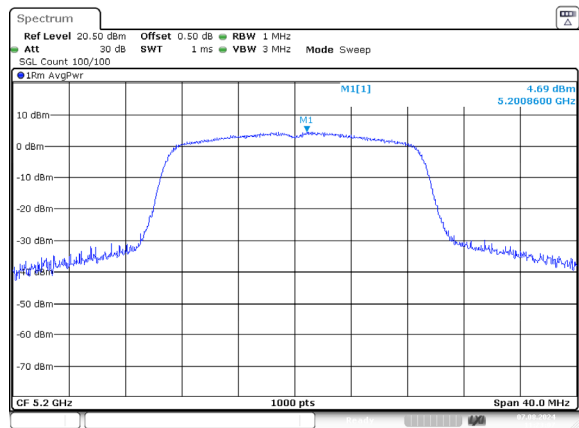
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Date: 7.AUG.2024 11:13:50

n20_5180MHz_Chain 0



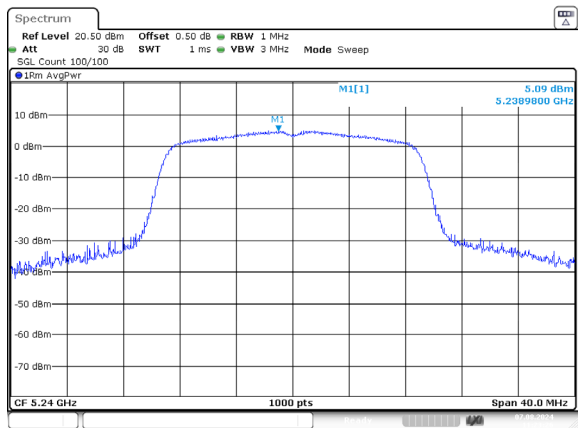
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:22:52

n20_5200MHz_Chain 0z



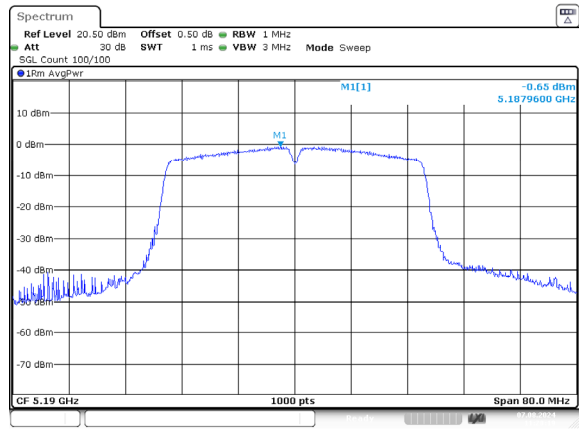
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Date: 7.AUG.2024 11:23:07

n20_5240MHz_Chain 0



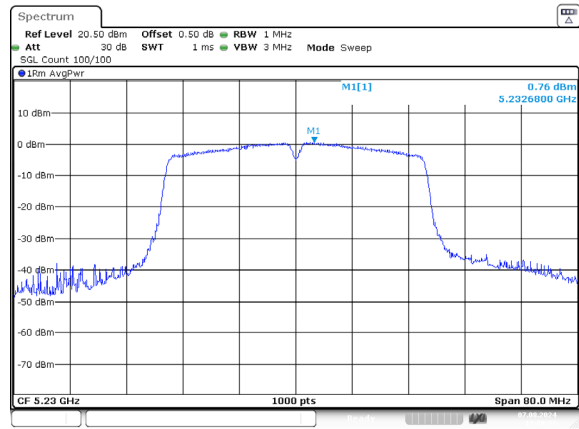
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Date: 7.AUG.2024 11:23:26

n40_5190MHz_Chain 0



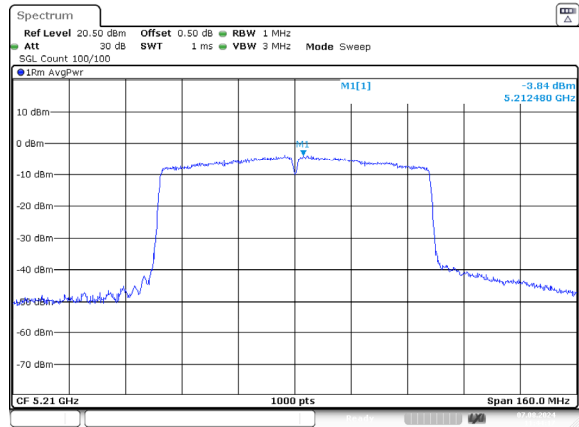
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Date: 7.AUG.2024 11:28:19

n40_5230MHz_Chain 0

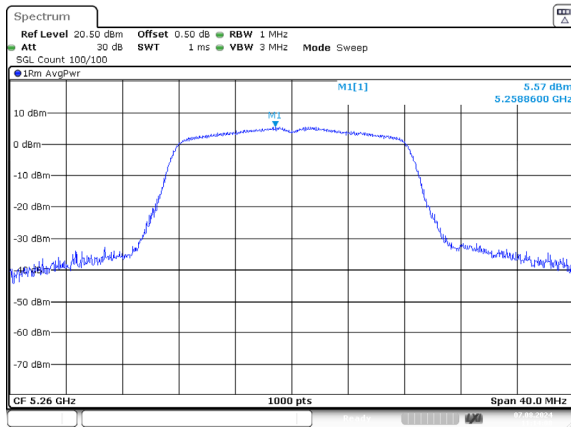


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Date: 7.AUG.2024 11:28:37

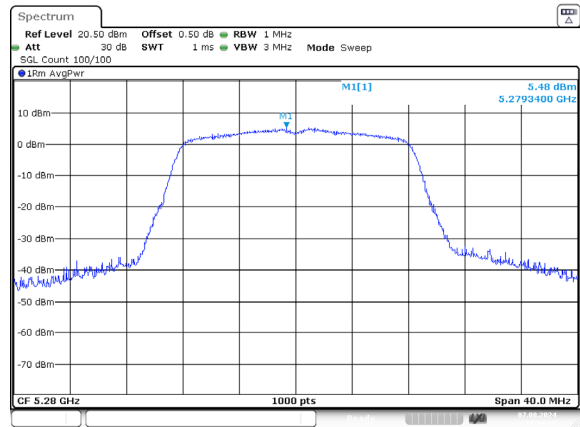
ac80_5210MHz_Chain 0



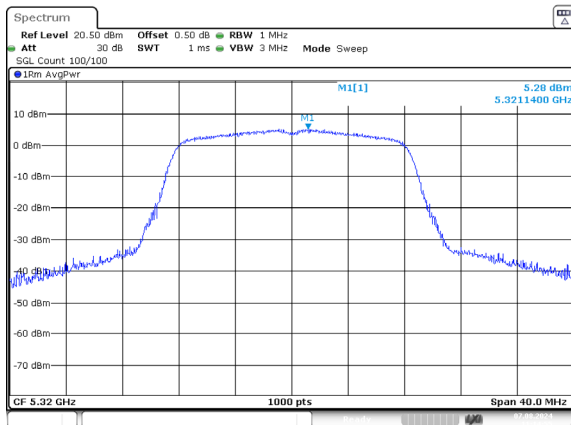
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Date: 7.AUG.2024 11:44:17

5250-5350 MHz:**a_5260MHz_Chain 0**

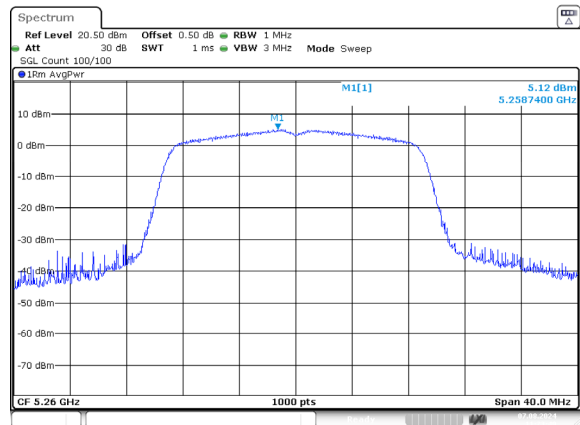
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Date: 7.AUG.2024 11:14:08

a_5280MHz_Chain 0

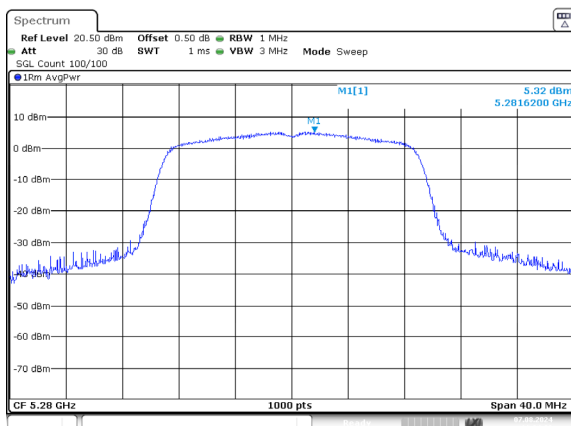
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:14:27

a_5320MHz_Chain 0

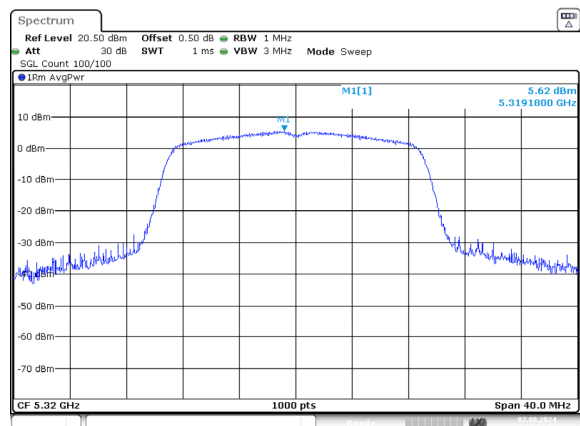
ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:14:55

n20_5260MHz_Chain 0

ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:23:48

n20_5280MHz_Chain 0

ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:24:08

n20_5320MHz_Chain 0

ProjectNo.:2407V20721E-RF Tester:Stein Peng
Date: 7.AUG.2024 11:24:32