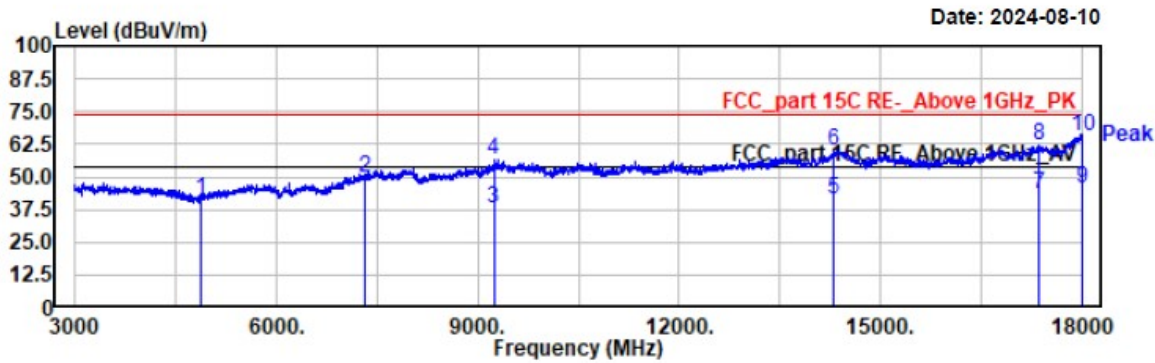


Project No.: 2407W89602E-RF
Test Mode: 802.11b 2437MHz
EUT Model: SLM927
Test distance: 3m

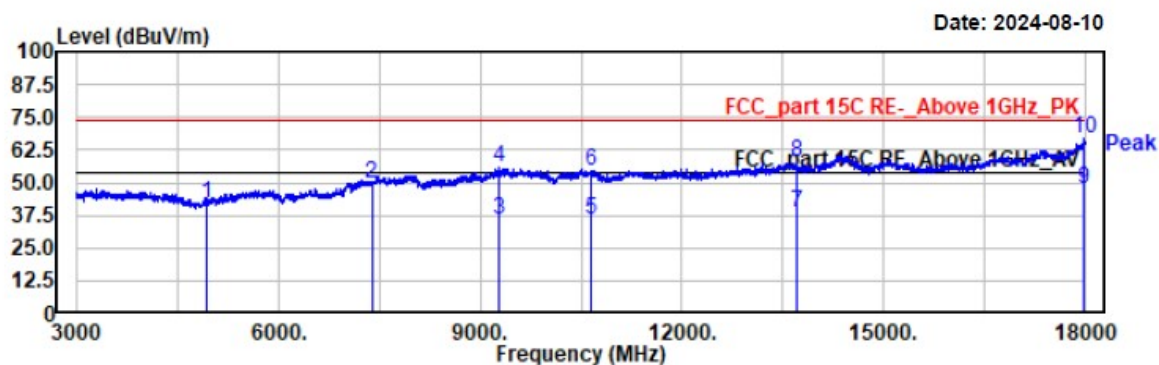
Temp/Humi/ATM: 21.3°C/51%/101.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4872.60	42.03	-0.89	41.14	74.00	32.86	vertical	Peak
7310.40	44.30	5.07	49.37	74.00	24.63	vertical	Peak
9238.20	29.94	7.75	37.69	54.00	16.31	vertical	Average
9238.20	48.59	7.75	56.34	74.00	17.66	vertical	Peak
14294.00	28.18	13.52	41.70	54.00	12.30	vertical	Average
14294.00	46.72	13.52	60.24	74.00	13.76	vertical	Peak
17354.00	28.86	14.25	43.11	54.00	10.89	vertical	Average
17354.00	47.79	14.25	62.04	74.00	11.96	vertical	Peak
17996.60	26.86	19.00	45.86	54.00	8.14	vertical	Average
17996.60	46.44	19.00	65.44	74.00	8.56	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SLM927
Test distance: 3m

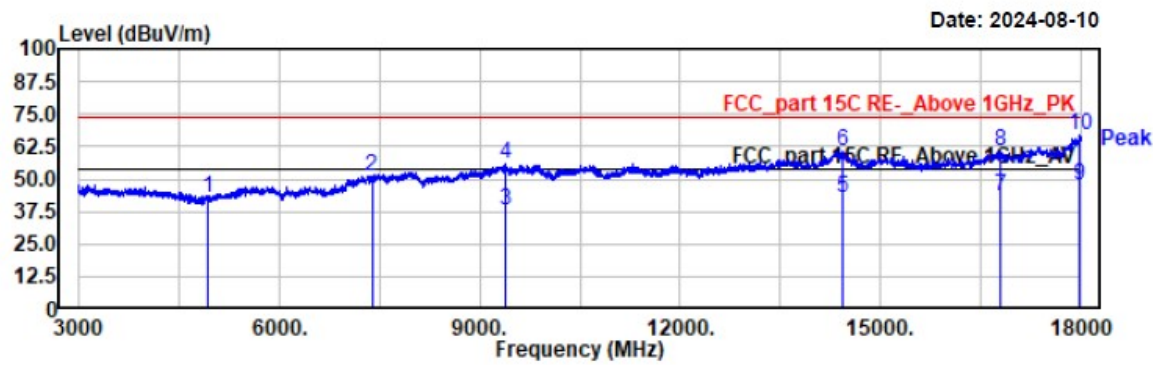
Temp/Humi/ATM: 21.3°C/51%/101.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4923.60	41.91	-0.16	41.75	74.00	32.25	horizontal	Peak
7386.00	44.20	5.18	49.38	74.00	24.62	horizontal	Peak
9268.80	28.04	7.92	35.96	54.00	18.04	horizontal	Average
9268.80	47.70	7.92	55.62	74.00	18.38	horizontal	Peak
10642.40	26.92	9.12	36.04	54.00	17.96	horizontal	Average
10642.40	45.09	9.12	54.21	74.00	19.79	horizontal	Peak
13699.00	27.84	11.08	38.92	54.00	15.08	horizontal	Average
13699.00	46.55	11.09	57.64	74.00	16.36	horizontal	Peak
17989.80	28.63	18.94	47.57	54.00	6.43	horizontal	Average
17989.80	47.66	18.94	66.60	74.00	7.40	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 21.3°C/51%/101.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4923.60	43.06	-0.16	42.90	74.00	31.10	vertical	Peak
7386.00	45.64	5.18	50.82	74.00	23.18	vertical	Peak
9384.40	29.18	8.88	38.06	54.00	15.94	vertical	Average
9384.40	47.02	8.88	55.90	74.00	18.10	vertical	Peak
14436.80	29.51	13.17	42.68	54.00	11.32	vertical	Average
14436.80	47.35	13.17	60.52	74.00	13.48	vertical	Peak
16806.60	29.83	13.60	43.43	54.00	10.57	vertical	Average
16806.60	47.02	13.60	60.62	74.00	13.38	vertical	Peak
17983.00	29.01	18.89	47.90	54.00	6.10	vertical	Average
17983.00	48.35	18.89	67.24	74.00	6.76	vertical	Peak

4) 18GHz~25GHz (Worst case)**For Wi-Fi:**

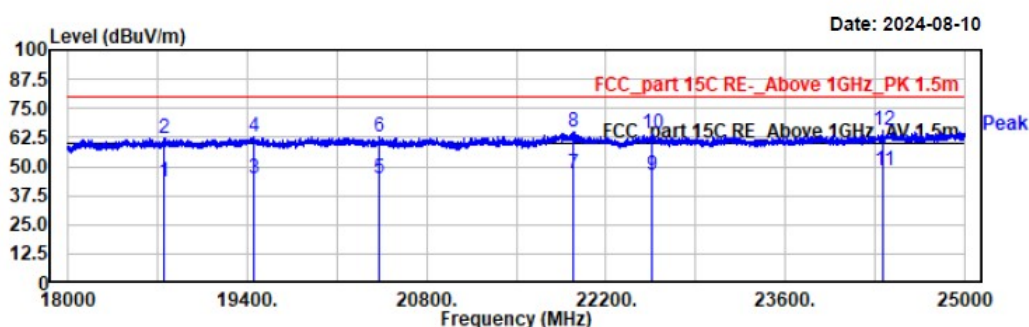
After pre-scan 802.11b 802.11g 802.11n20/n40 mode, the worst case is 802.11b 2412MHz.

For BLE:

After pre-scan BLE1M 2M mode, the test results are better than WiFi, so only WiFi results were recorded.

Project No.: 2407W89604E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SLM927
Test distance: 1.5m

Temp/Humi/ATM: 21.3°C/51%/101.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
18751.30	19.07	24.45	43.52	60.00	16.48	horizontal	Average
18751.30	37.41	24.45	61.86	80.00	18.14	horizontal	Peak
19453.10	19.90	24.59	44.49	60.00	15.51	horizontal	Average
19453.10	38.50	24.59	63.09	80.00	16.91	horizontal	Peak
20431.00	19.40	25.43	44.83	60.00	15.17	horizontal	Average
20431.00	37.10	25.43	62.53	80.00	17.47	horizontal	Peak
21940.20	20.82	26.08	46.90	60.00	13.10	horizontal	Average
21940.20	38.98	26.08	65.06	80.00	14.94	horizontal	Peak
22563.90	19.82	26.23	46.05	60.00	13.95	horizontal	Average
22563.90	37.59	26.23	63.82	80.00	16.18	horizontal	Peak
24366.80	19.64	28.31	47.95	60.00	12.05	horizontal	Average
24366.80	37.07	28.31	65.38	80.00	14.62	horizontal	Peak

Project No.: 2407W89604E-RF

Test Mode: 802.11b 2412MHz

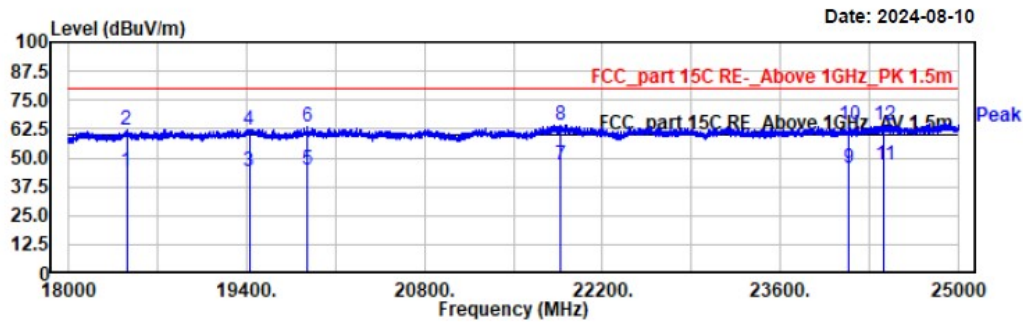
EUT Model: SLM927

Test distance: 1.5m

Temp/Humi/ATM: 21.3°C/51%/101.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
18455.40	19.82	24.34	44.16	60.00	15.84	vertical	Average
18455.40	37.78	24.34	62.12	80.00	17.88	vertical	Peak
19420.10	19.82	24.60	44.42	60.00	15.58	vertical	Average
19420.10	37.68	24.60	62.28	80.00	17.72	vertical	Peak
19873.30	19.84	24.65	44.49	60.00	15.51	vertical	Average
19873.30	38.52	24.65	63.17	80.00	16.83	vertical	Peak
21873.10	20.69	26.11	46.80	60.00	13.20	vertical	Average
21873.10	38.27	26.11	64.38	80.00	15.62	vertical	Peak
24139.10	17.80	27.88	45.68	60.00	14.32	vertical	Average
24139.10	35.98	27.88	63.86	80.00	16.14	vertical	Peak
24417.40	18.46	28.42	46.88	60.00	13.12	vertical	Average
24417.40	35.94	28.42	64.36	80.00	15.64	vertical	Peak

Restricted Bands Emissions:

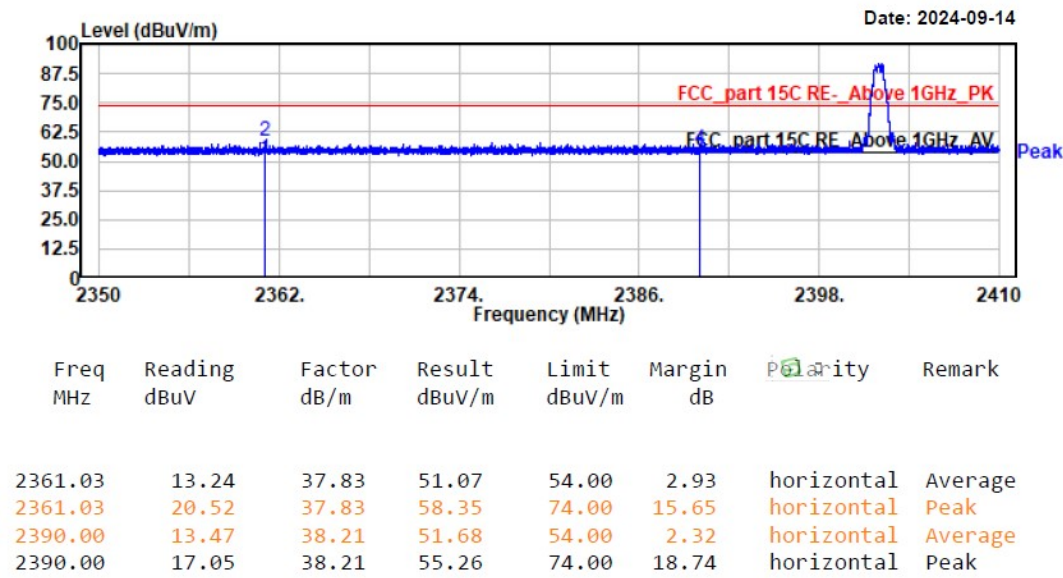
Pre-Scan with Wi-Fi 802.11b, 802.11g, 802.11n20, 802.11n40 modes and BLE in the X,Y and Z axes of orientation, and the worst case **in Z-axis of orientation** is recorded

Note:
Factor (dB/m) =Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)
Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)
Margin (dB) = Limit (dBμV/m) –Level (dBμV/m)

For BLE:

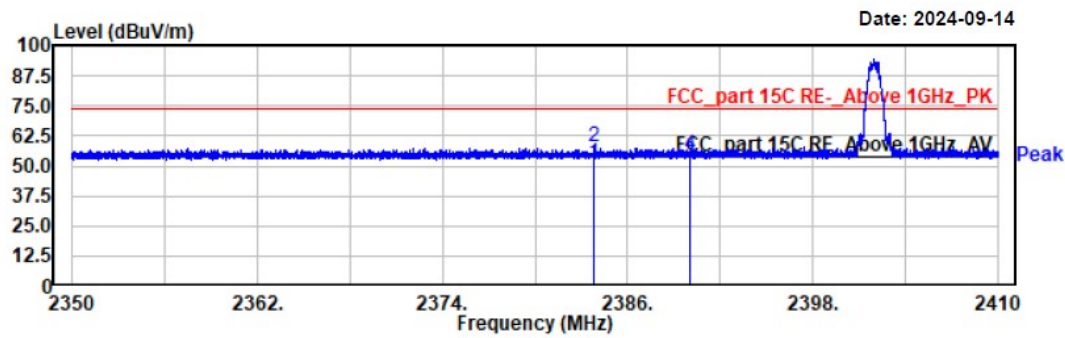
Project No.: 2407W89604E-RF
Test Mode: 1M-2402
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Project No.: 2407W89604E-RF
Test Mode: 1M-2402
EUT Model: SLM927
Test distance: 3m

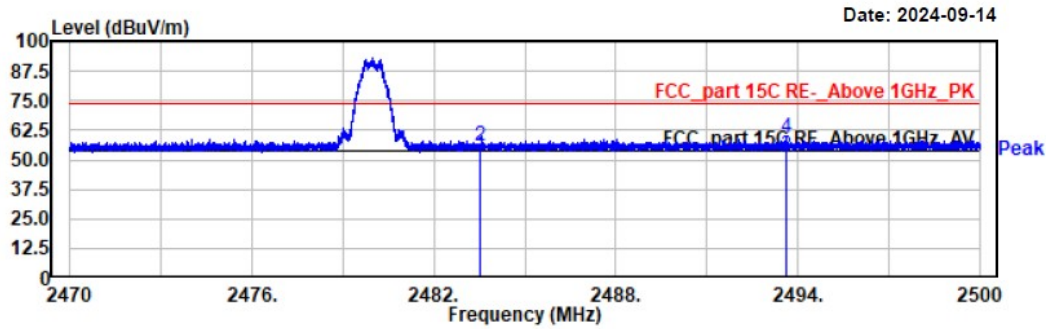
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2383.85	12.67	38.13	50.80	54.00	3.20	vertical	Average
2383.85	19.77	38.13	57.90	74.00	16.10	vertical	Peak
2390.00	13.24	38.21	51.45	54.00	2.55	vertical	Average
2390.00	16.03	38.21	54.24	74.00	19.76	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 1M-2480
EUT Model: SLM927
Test distance: 3m

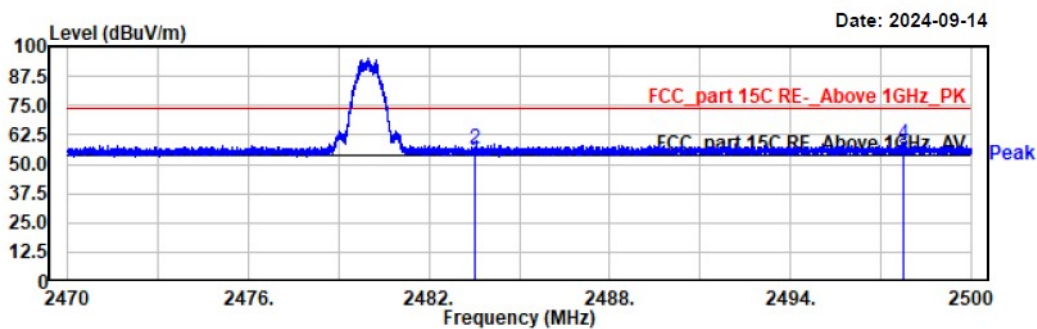
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	12.45	39.06	51.51	54.00	2.49	horizontal	Average
2483.50	16.78	39.06	55.84	74.00	18.16	horizontal	Peak
2493.60	12.68	39.26	51.94	54.00	2.06	horizontal	Average
2493.60	19.71	39.26	58.97	74.00	15.03	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 1M-2480
EUT Model: SLM927
Test distance: 3m

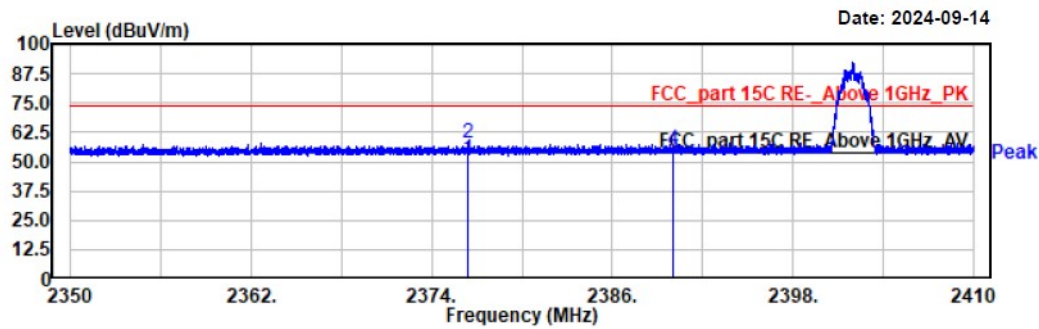
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	12.89	39.06	51.95	54.00	2.05	vertical	Average
2483.50	17.22	39.06	56.28	74.00	17.72	vertical	Peak
2497.74	12.74	39.33	52.07	54.00	1.93	vertical	Average
2497.74	19.62	39.33	58.95	74.00	15.05	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 2M-2402
EUT Model: SLM927
Test distance: 3m

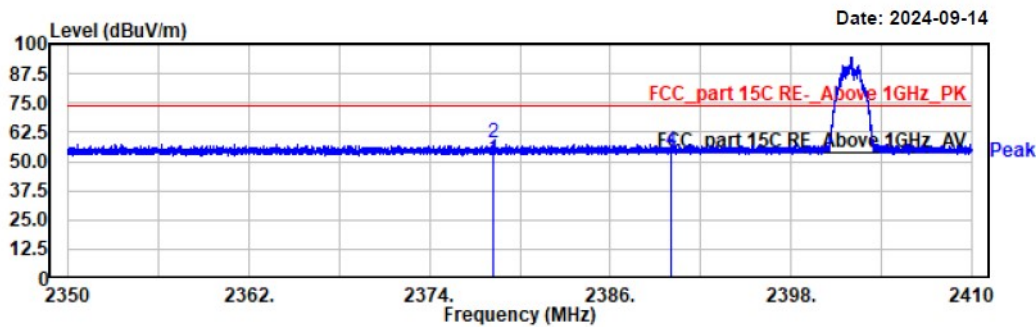
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2376.37	12.96	38.04	51.00	54.00	3.00	horizontal	Average
2376.37	19.90	38.04	57.94	74.00	16.06	horizontal	Peak
2390.00	12.80	38.21	51.01	54.00	2.99	horizontal	Average
2390.00	17.00	38.21	55.21	74.00	18.79	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 2M-2402
EUT Model: SLM927
Test distance: 3m

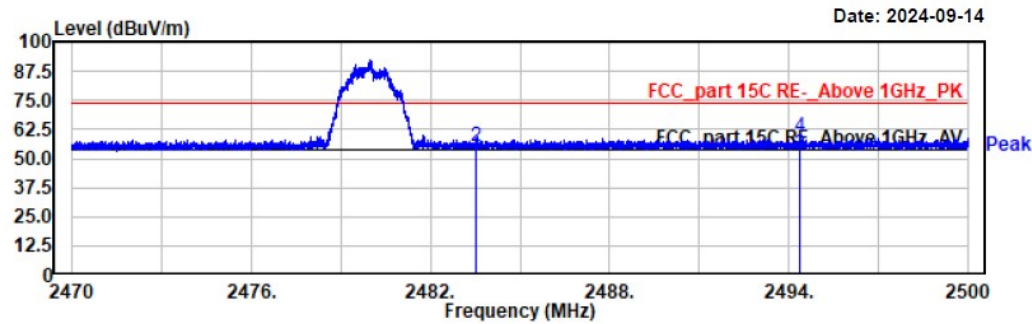
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2378.27	12.73	38.06	50.79	54.00	3.21	vertical	Average
2378.27	19.67	38.06	57.73	74.00	16.27	vertical	Peak
2390.00	12.81	38.21	51.02	54.00	2.98	vertical	Average
2390.00	15.99	38.21	54.20	74.00	19.80	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 2M-2480
EUT Model: SLM927
Test distance: 3m

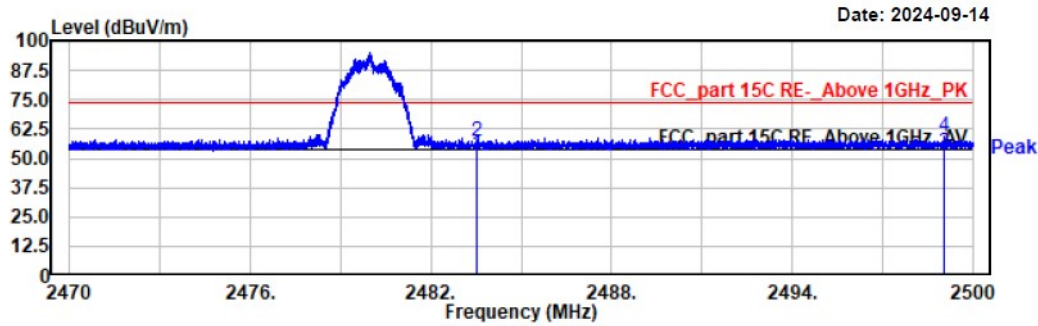
Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	12.19	39.06	51.25	54.00	2.75	horizontal	Average
2483.50	16.02	39.06	55.08	74.00	18.92	horizontal	Peak
2494.38	12.41	39.28	51.69	54.00	2.31	horizontal	Average
2494.38	19.73	39.28	59.01	74.00	14.99	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 2M-2480
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 23.5°C/54%/101kPa
Tested by: Wlif Wu
Power Source: AC120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	12.70	39.06	51.76	54.00	2.24	vertical	Average
2483.50	18.47	39.06	57.53	74.00	16.47	vertical	Peak
2499.03	13.06	39.36	52.42	54.00	1.58	vertical	Average
2499.03	19.90	39.36	59.26	74.00	14.74	vertical	Peak

For Wi-Fi

Project No.: 2407W89604E-RF

Test Mode: 11b-2412

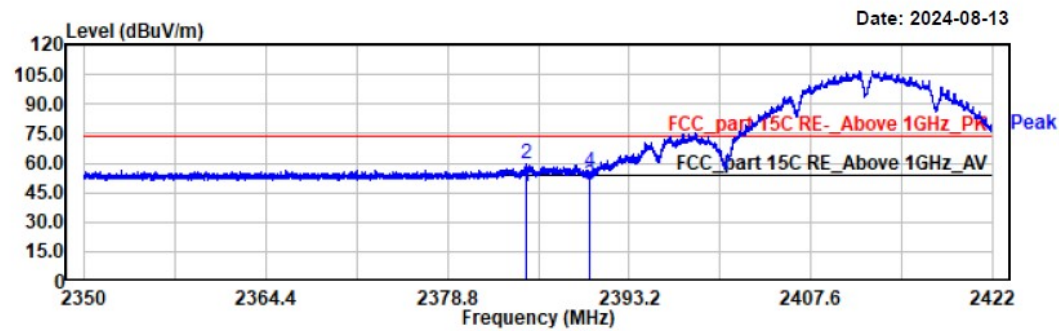
EUT Model: SLM927

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa

Tested by: Wlif Wu

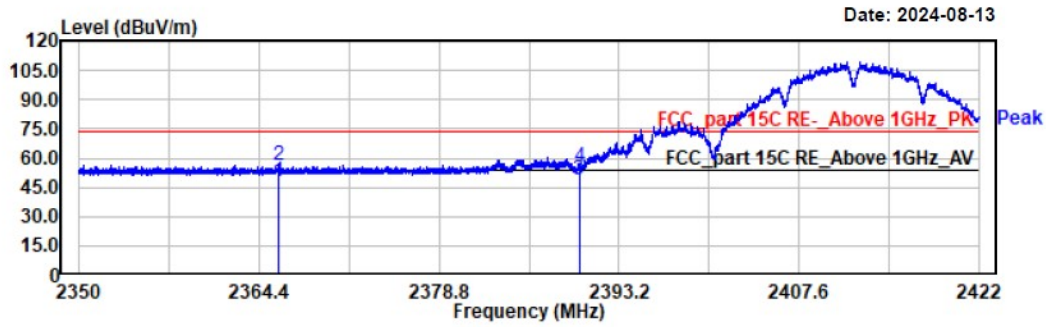
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2384.99	11.37	36.87	48.24	54.00	5.76	horizontal	Average
2384.99	22.41	36.87	59.28	74.00	14.72	horizontal	Peak
2390.00	11.74	36.93	48.67	54.00	5.33	horizontal	Average
2390.00	18.70	36.93	55.63	74.00	18.37	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 11b-2412
EUT Model: SLM927
Test distance: 3m

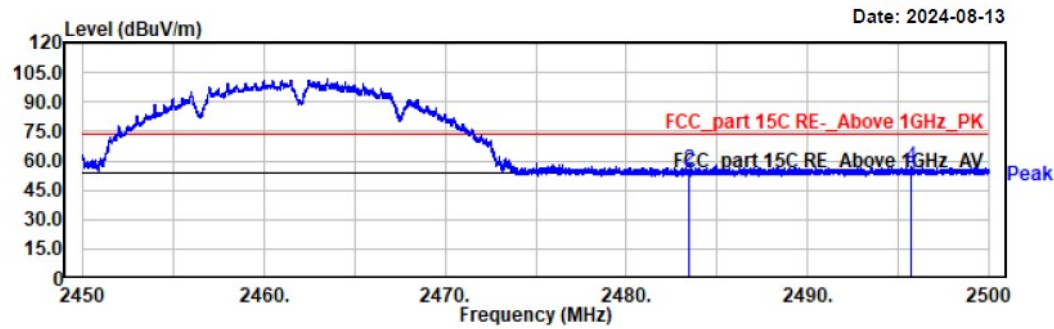
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2365.96	11.71	36.62	48.33	54.00	5.67	vertical	Average
2365.96	19.64	36.62	56.26	74.00	17.74	vertical	Peak
2390.00	11.62	36.93	48.55	54.00	5.45	vertical	Average
2390.00	18.55	36.93	55.48	74.00	18.52	vertical	Peak

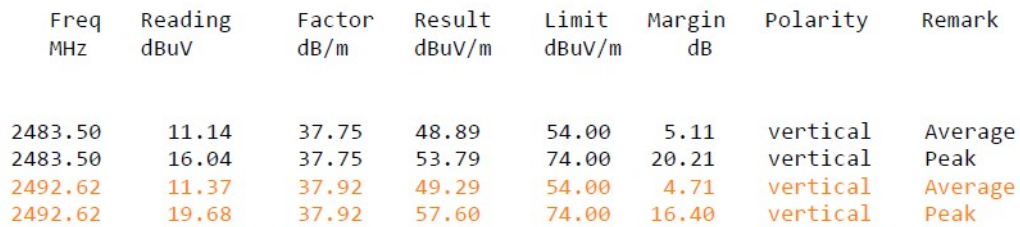
Project No.: 2407W89604E-RF
Test Mode: 11b-2462
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



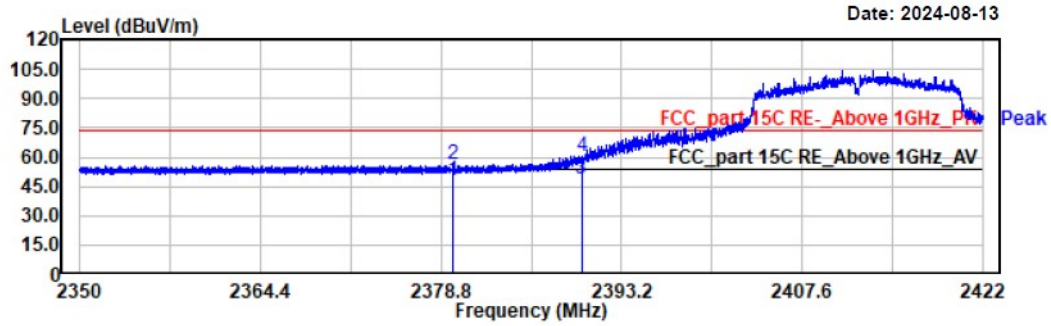
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.28	37.75	49.03	54.00	4.97	horizontal	Average
2483.50	17.39	37.75	55.14	74.00	18.86	horizontal	Peak
2495.69	11.91	37.97	49.88	54.00	4.12	horizontal	Average
2495.69	18.77	37.97	56.74	74.00	17.26	horizontal	Peak

Temp/Hum1/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Project No.: 2407W89604E-RF
Test Mode: 11g-2412
EUT Model: SLM927
Test distance: 3m

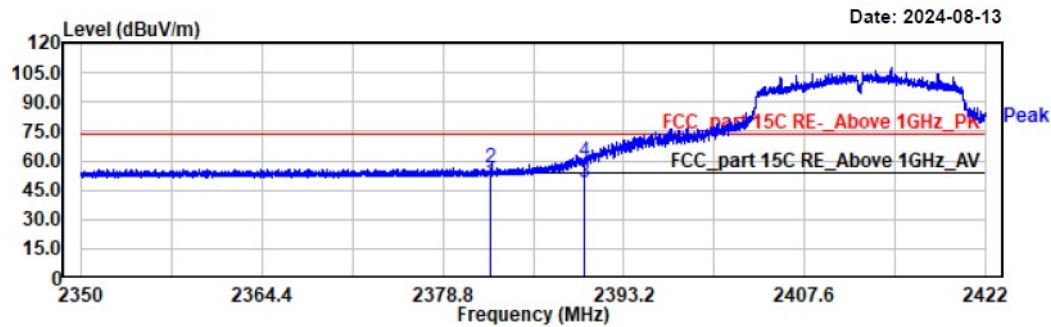
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2379.77	11.36	36.80	48.16	54.00	5.84	horizontal	Average
2379.77	19.22	36.80	56.02	74.00	17.98	horizontal	Peak
2390.00	11.73	36.93	48.66	54.00	5.34	horizontal	Average
2390.00	23.39	36.93	60.32	74.00	13.68	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 11g-2412
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2382.59	11.73	36.84	48.57	54.00	5.43	vertical	Average
2382.59	19.22	36.84	56.06	74.00	17.94	vertical	Peak
2390.00	11.92	36.93	48.85	54.00	5.15	vertical	Average
2390.00	22.26	36.93	59.19	74.00	14.81	vertical	Peak

Project No.: 2407W89604E-RF

Test Mode: 11g-2462

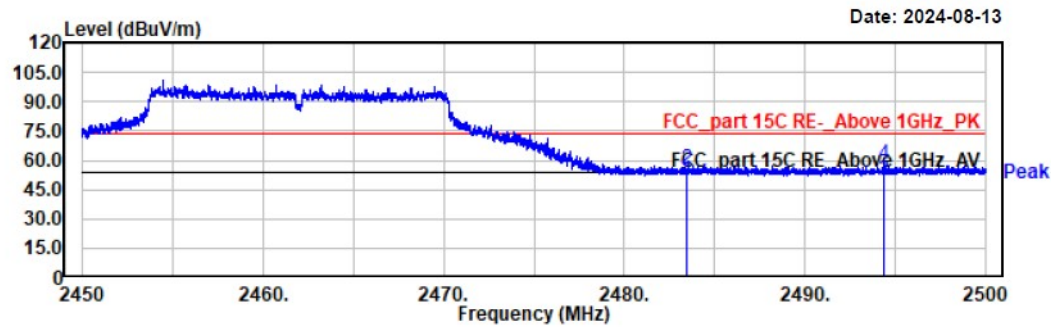
EUT Model: SLM927

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.78	37.75	49.53	54.00	4.47	horizontal	Average
2483.50	17.51	37.75	55.26	74.00	18.74	horizontal	Peak
2494.37	11.41	37.96	49.37	54.00	4.63	horizontal	Average
2494.37	19.91	37.96	57.87	74.00	16.13	horizontal	Peak

Project No.: 2407W89604E-RF

Test Mode: 11g-2462

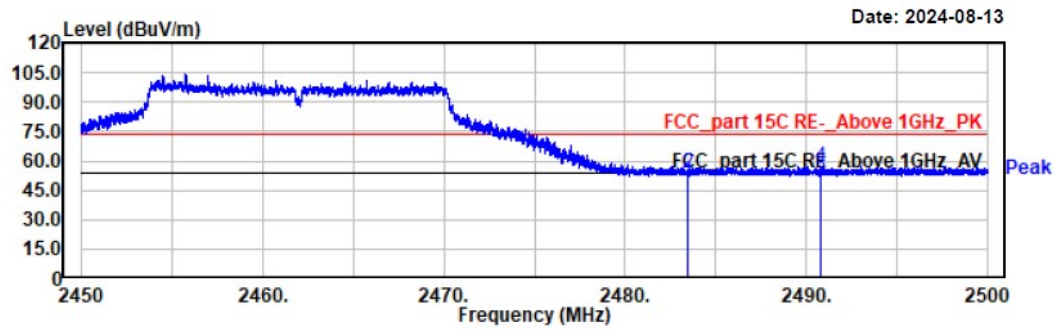
EUT Model: SLM927

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa

Tested by: Wlif Wu

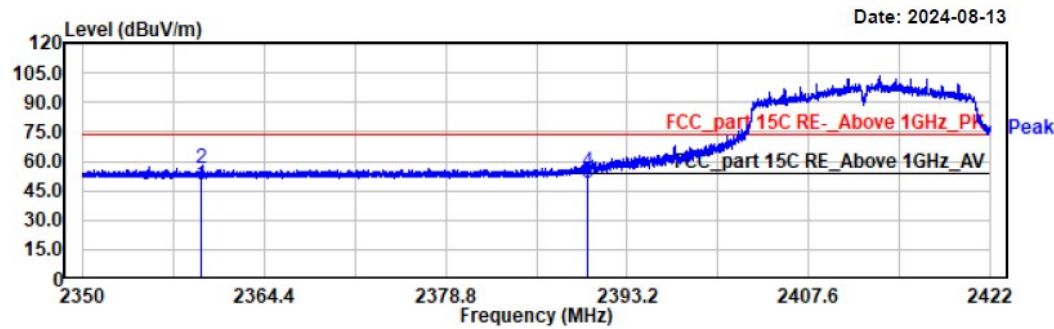
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.15	37.75	48.90	54.00	5.10	vertical	Average
2483.50	15.79	37.75	53.54	74.00	20.46	vertical	Peak
2490.80	11.57	37.89	49.46	54.00	4.54	vertical	Average
2490.80	19.61	37.89	57.50	74.00	16.50	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n20-2412
EUT Model: SLM927
Test distance: 3m

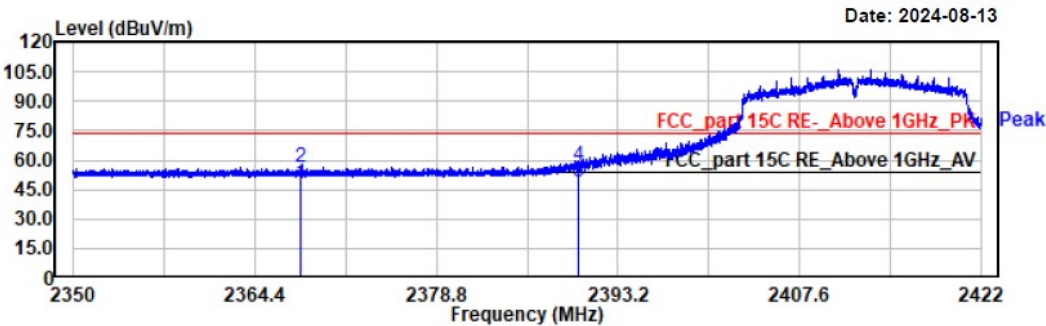
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2359.43	11.57	36.53	48.10	54.00	5.90	horizontal	Average
2359.43	19.55	36.53	56.08	74.00	17.92	horizontal	Peak
2390.00	11.62	36.93	48.55	54.00	5.45	horizontal	Average
2390.00	17.89	36.93	54.82	74.00	19.18	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n20-2412
EUT Model: SLM927
Test distance: 3m

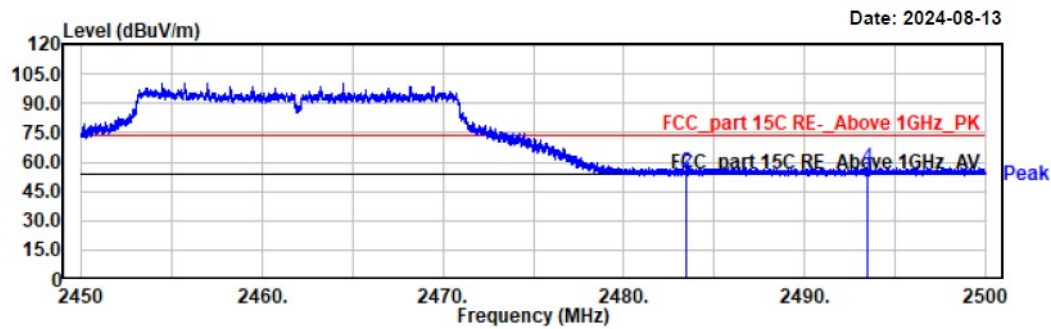
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2368.03	11.55	36.64	48.19	54.00	5.81	vertical	Average
2368.03	19.39	36.64	56.03	74.00	17.97	vertical	Peak
2390.00	11.82	36.93	48.75	54.00	5.25	vertical	Average
2390.00	20.00	36.93	56.93	74.00	17.07	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n20-2462
EUT Model: SLM927
Test distance: 3m

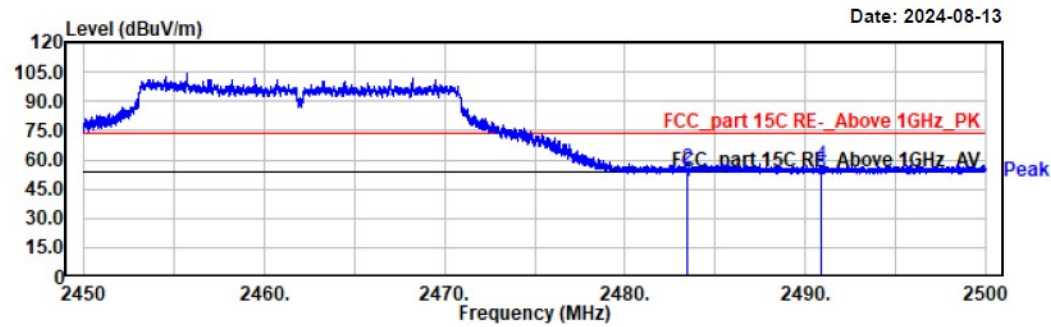
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.78	37.75	49.53	54.00	4.47	horizontal	Average
2483.50	16.76	37.75	54.51	74.00	19.49	horizontal	Peak
2493.49	11.37	37.94	49.31	54.00	4.69	horizontal	Average
2493.49	19.30	37.94	57.24	74.00	16.76	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n20-2462
EUT Model: SLM927
Test distance: 3m

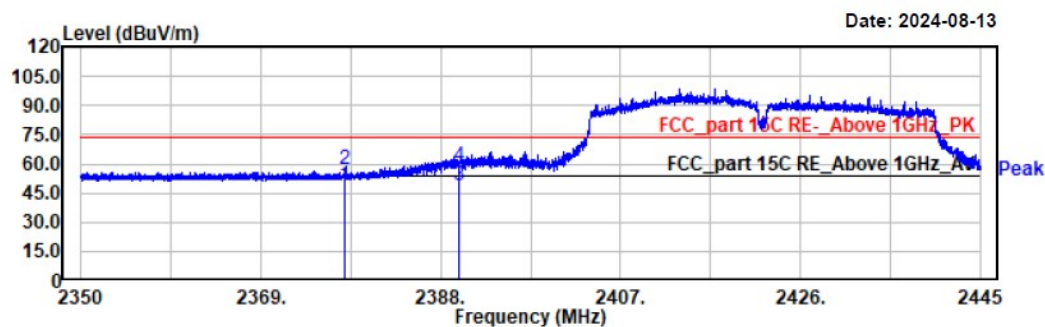
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.37	37.75	49.12	54.00	4.88	vertical	Average
2483.50	17.31	37.75	55.06	74.00	18.94	vertical	Peak
2490.91	11.78	37.89	49.67	54.00	4.33	vertical	Average
2490.91	19.15	37.89	57.04	74.00	16.96	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n40-2422
EUT Model: SLM927
Test distance: 3m

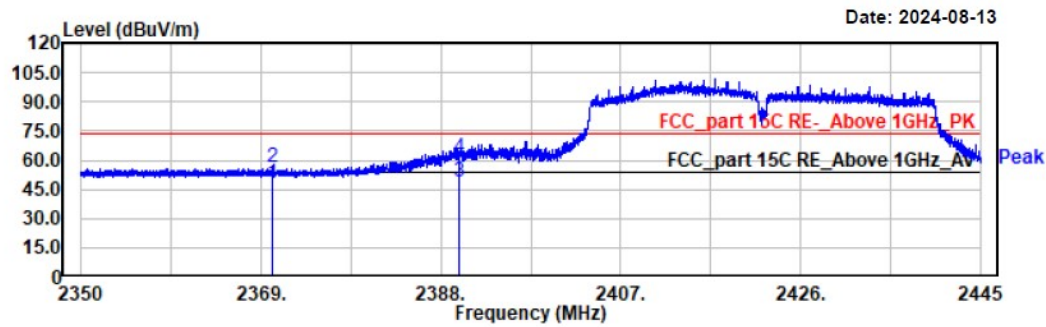
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2377.93	11.72	36.77	48.49	54.00	5.51	horizontal	Average
2377.93	19.94	36.77	56.71	74.00	17.29	horizontal	Peak
2390.00	11.62	36.93	48.55	54.00	5.45	horizontal	Average
2390.00	22.24	36.93	59.17	74.00	14.83	horizontal	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n40-2422
EUT Model: SLM927
Test distance: 3m

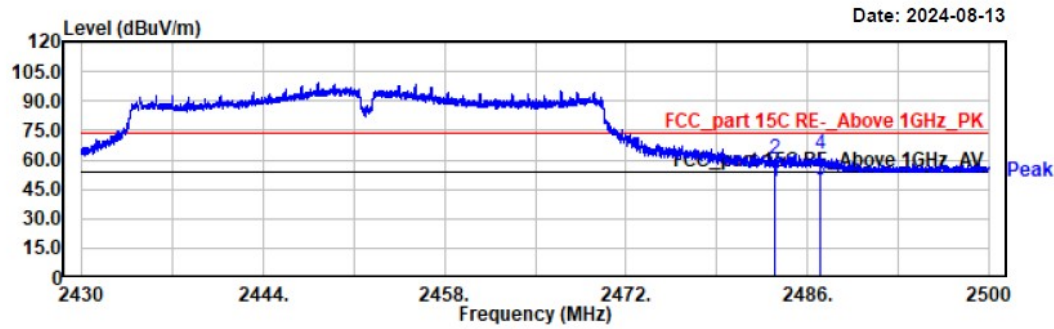
Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2370.25	11.72	36.67	48.39	54.00	5.61	vertical	Average
2370.25	19.26	36.67	55.93	74.00	18.07	vertical	Peak
2390.00	11.62	36.93	48.55	54.00	5.45	vertical	Average
2390.00	24.49	36.93	61.42	74.00	12.58	vertical	Peak

Project No.: 2407W89604E-RF
Test Mode: 11n40-2452
EUT Model: SLM927
Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.37	37.75	49.12	54.00	4.88	horizontal	Average
2483.50	22.60	37.75	60.35	74.00	13.65	horizontal	Peak
2486.99	11.61	37.81	49.42	54.00	4.58	horizontal	Average
2486.99	25.25	37.81	63.06	74.00	10.94	horizontal	Peak

Project No.: 2407W89604E-RF

Test Mode: 11n40-2452

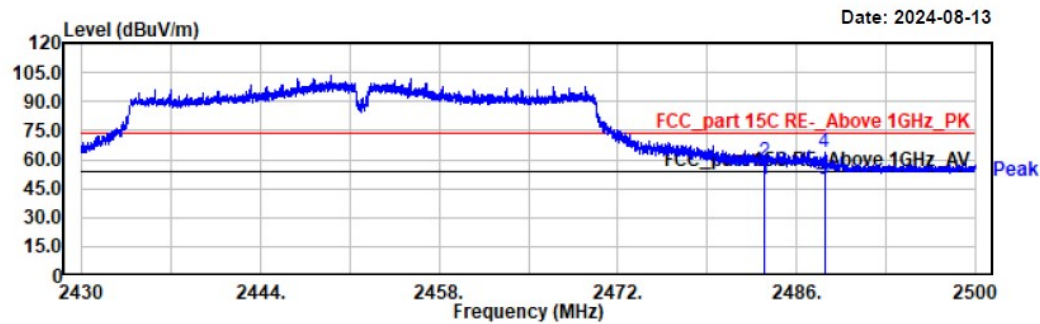
EUT Model: SLM927

Test distance: 3m

Temp/Humi/ATM: 23.6°C/56%/100.1kPa

Tested by: Wlif Wu

Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	11.76	37.75	49.51	54.00	4.49	vertical	Average
2483.50	20.66	37.75	58.41	74.00	15.59	vertical	Peak
2488.18	11.72	37.83	49.55	54.00	4.45	vertical	Average
2488.18	26.00	37.83	63.83	74.00	10.17	vertical	Peak

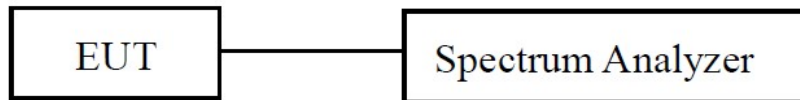
FCC §15.247(b) (3) – SOPT CHECK MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

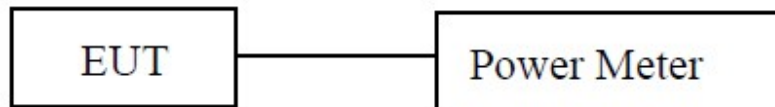
According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

EUT Setup

For BLE:



For WiFi:



Test Procedure

For BLE

According to ANSI C63.10-2013 11.9.1.1

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq [3 \times \text{RBW}]$.
- Set span $\geq [3 \times \text{RBW}]$.
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

For 2.4G WiFi

According to ANSI C63.10-2013 11.9.2.3.1 Method AVGPM

a) As an alternative to spectrum analyzer or EMI receiver measurements, measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied:

- The EUT is configured to transmit continuously, or to transmit with a constant duty

cycle.

2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal as described in 11.6.

c) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.

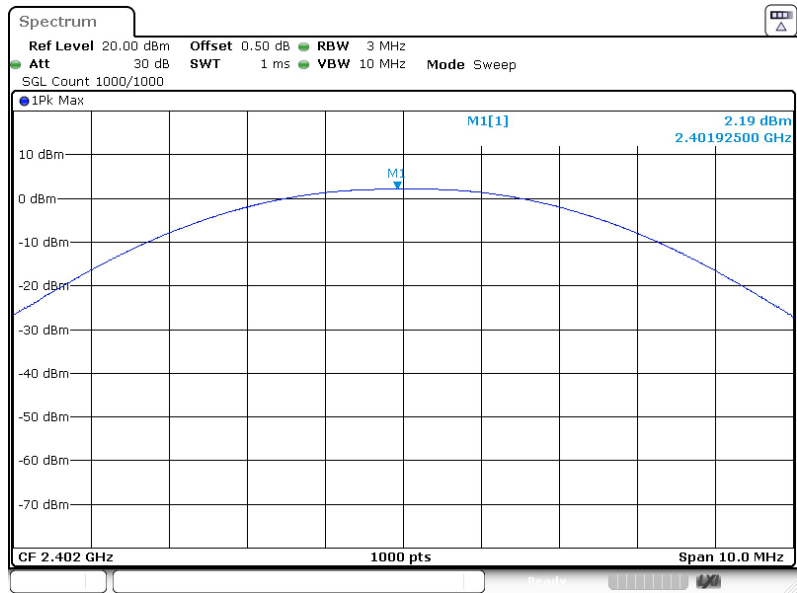
d) Adjust the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

Test Data

For BLE (Worst case):

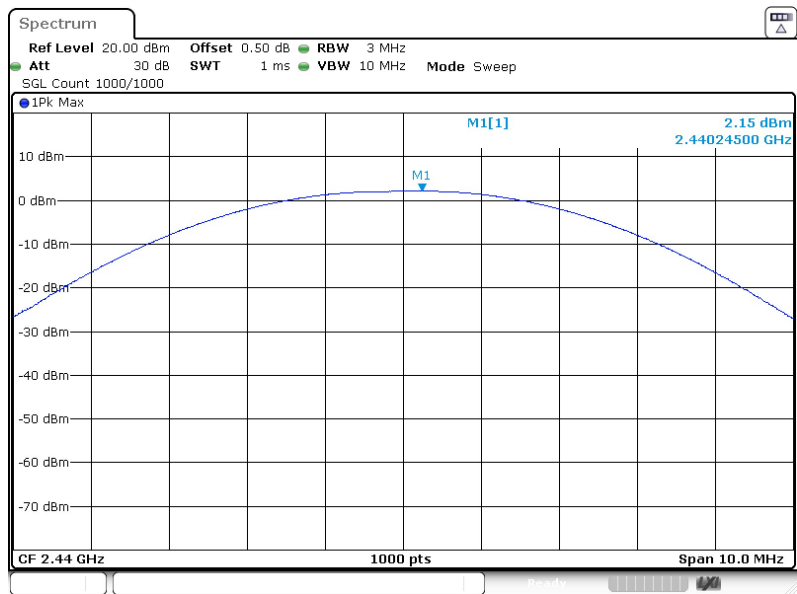
Test Mode:	Transmitting	Test Engineer:	Ash Lin
Test Date:	2024-09-13	Test Voltage:	DC3.8V
Test Result:	Compliance	Environment:	Temp.: 24.7°C Humi.: 54% Atm.: 100.2kPa
Test Modes	Test Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)
BLE 1Mbps	2402	2.19	≤ 30
	2440	2.15	≤ 30
	2480	2.73	≤ 30
BLE 2Mbps	2402	2.27	≤ 30
	2440	2.30	≤ 30
	2480	2.85	≤ 30

BLE 1M: 2402MHz



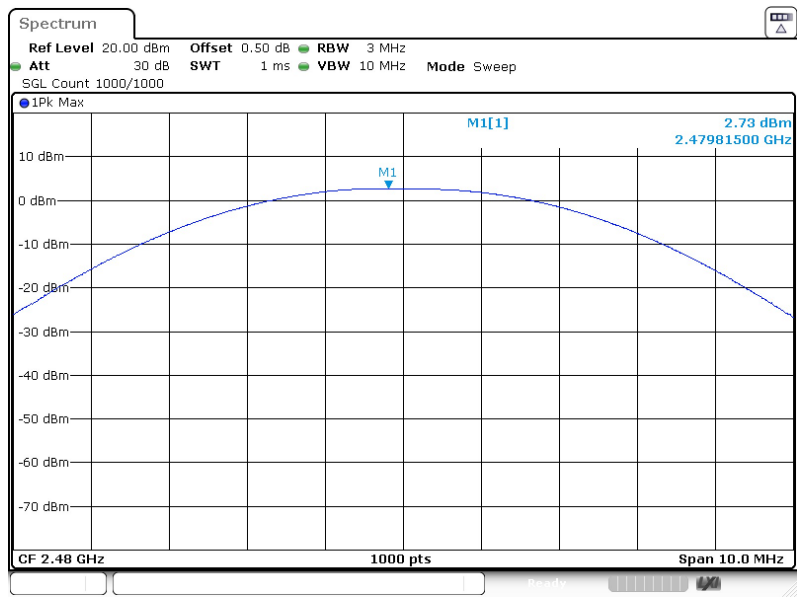
ProjectNo.:2407W89604E-RF Tester:Ash Lin
Date: 13.SEP.2024 17:57:46

BLE 1M: 2440MHz

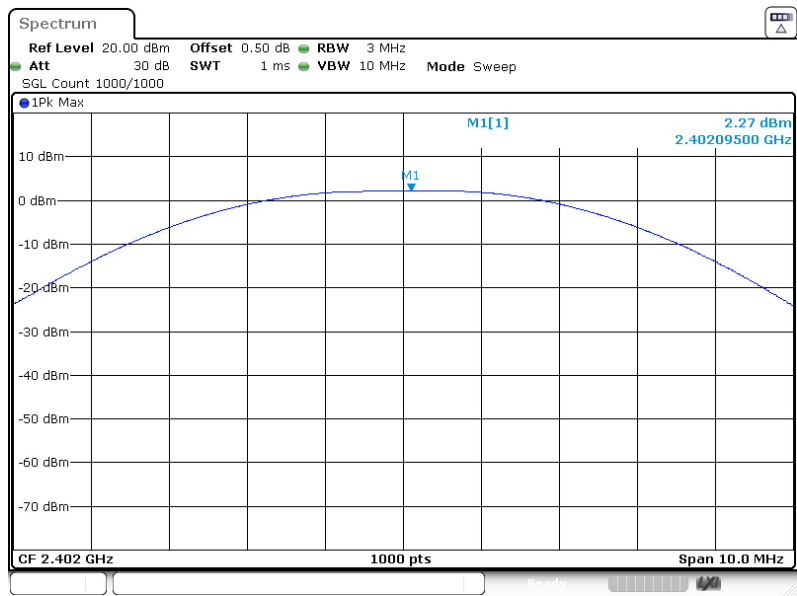


ProjectNo.:2407W89604E-RF Tester:Ash Lin
Date: 13.SEP.2024 17:58:55

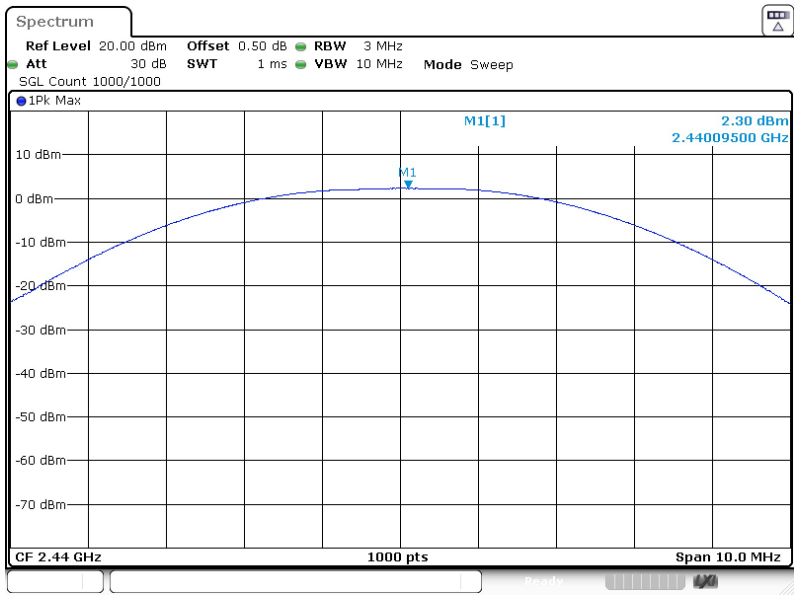
BLE 1M: 2480MHz



BLE 2M: 2402MHz

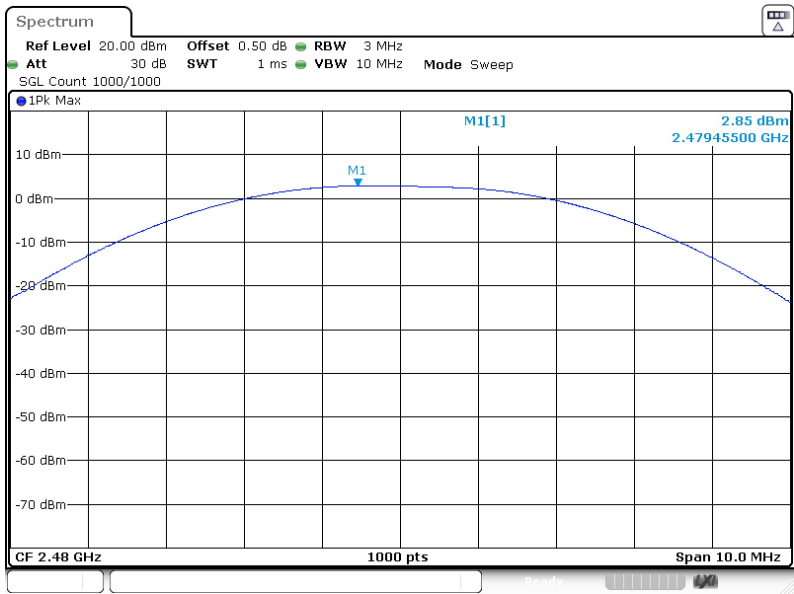


BLE 2M: 2440MHz



ProjectNo.:2407W89604E-RF Tester:Ash Lin
Date: 13.SEP.2024 18:04:48

BLE 2M: 2480MHz



ProjectNo.:2407W89604E-RF Tester:Ash Lin
Date: 13.SEP.2024 18:06:28

For WIFI (Worst case):

Test Mode:	Transmitting	Test Engineer:	Ash Lin
Test Date:	2024-08-10	Test Voltage:	DC3.8V
Test Result:	Compliance	Environment:	Temp.: 24.7°C Humi.: 54% Atm.: 100.2kPa
Test Modes	Test Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Limit (dBm)
802.11b	2412	18.52	30
	2437	17.20	30
	2462	17.95	30
802.11g	2412	15.40	30
	2437	14.10	30
	2462	14.52	30
802.11n20	2412	14.19	30
	2437	13.15	30
	2462	13.44	30
802.11n40	2422	12.25	30
	2437	12.34	30
	2452	12.33	30

EUT PHOTOGRAPHS

Please refer to the attachment 2407W89604E-RF-XP EUT EXTERNAL PHOTOGRAPHS and 2407W89604E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2407W89604E-RF-TSP-02 SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

******* END OF REPORT *******