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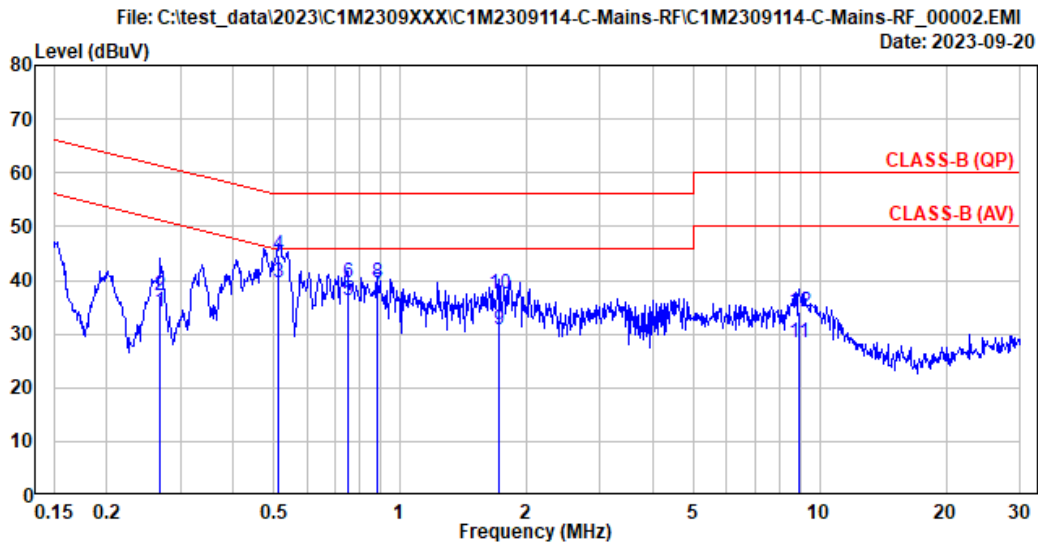
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## A.1 CONDUCTED EMISSION

Test Date	2023/09/20	Temp./Hum.	25°C/60%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng

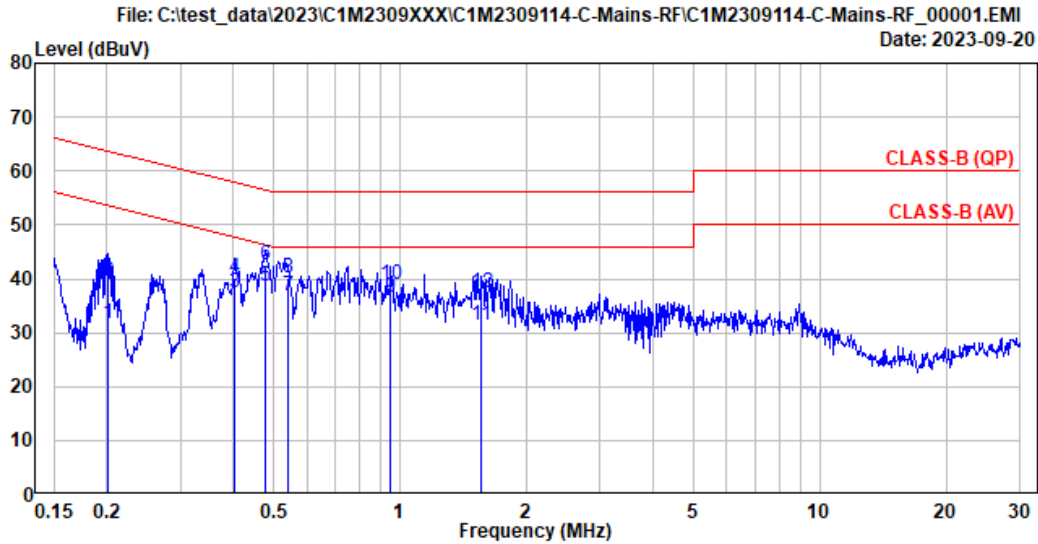


Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)-		
Limit	: CLASS-B (QP)	Phase	: Neutral
Environment	: 25°C/60%	Test Rating	: 120Vac/60Hz
EUT Model	: FXE3000-US	Engineer	: Bruce
Test Mode	: operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.269	10.29	0.03	9.85	13.81	33.98	51.16	17.18	Average
2	0.269	10.29	0.03	9.85	17.07	37.24	61.16	23.92	QP
3	0.514	10.28	0.03	9.85	19.41	39.57	46.00	6.43	Average
4	0.514	10.28	0.03	9.85	24.54	44.70	56.00	11.30	QP
5	0.750	10.29	0.04	9.85	16.11	36.29	46.00	9.71	Average
6	0.750	10.29	0.04	9.85	19.49	39.67	56.00	16.33	QP
7	0.885	10.29	0.04	9.85	17.68	37.86	46.00	8.14	Average
8	0.885	10.29	0.04	9.85	19.29	39.47	56.00	16.53	QP
9	1.725	10.31	0.05	9.86	10.58	30.80	46.00	15.20	Average
10	1.725	10.31	0.05	9.86	17.07	37.29	56.00	18.71	QP
11	8.935	10.54	0.13	9.88	7.83	28.38	50.00	21.62	Average
12	8.935	10.54	0.13	9.88	13.48	34.03	60.00	25.97	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

Test Date	2023/09/20	Temp./Hum.	25°C/60%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Bruce Tseng



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: CLASS-B (QP)	Phase	: Line
Environment	: 25°C/60%	Test Rating	: 120Vac/60Hz
EUT Model	: FXE3000-US	Engineer	: Bruce
Test Mode	: operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.202	10.28	0.03	9.85	11.42	31.58	53.52	21.94	Average
2	0.202	10.28	0.03	9.85	19.48	39.64	63.52	23.88	QP
3	0.404	10.27	0.03	9.85	17.39	37.54	47.76	10.22	Average
4	0.404	10.27	0.03	9.85	19.95	40.10	57.76	17.66	QP
5	0.479	10.27	0.03	9.85	18.55	38.70	46.35	7.65	Average
6	0.479	10.27	0.03	9.85	22.28	42.43	56.35	13.92	QP
7	0.543	10.27	0.03	9.85	16.64	36.79	46.00	9.21	Average
8	0.543	10.27	0.03	9.85	20.06	40.21	56.00	15.79	QP
9	0.948	10.28	0.04	9.85	16.40	36.57	46.00	9.43	Average
10	0.948	10.28	0.04	9.85	18.72	38.89	56.00	17.11	QP
11	1.561	10.29	0.05	9.86	11.32	31.52	46.00	14.48	Average
12	1.561	10.29	0.05	9.86	17.09	37.29	56.00	18.71	QP

Remarks: 1. Emission Level(dBµV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBµV).

## A.2 RADIATED EMISSION

Test Date	2023/09/18~20	Temp./Hum.	23~24°C/47~71%
Test Voltage	AC 120V 60Hz (Via AC Adapter)	Tested By	Kuper Hsu

### A.2.1 Emissions within Restricted Frequency Bands

#### A.2.1.1 Frequency 9kHz~30MHz

**The emissions (9kHz~30MHz) not reported for there is no emission be found.**

#### A.2.1.2 Frequency Below 1GHz

Mode	802.11n-HT20	Frequency	TX 2457MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
30.970	23.59	1.43	26.49	34.07	32.61	40.00	7.39	Peak
95.960	16.02	2.56	26.30	37.88	30.16	43.50	13.34	Peak
455.830	22.48	6.42	26.84	32.08	34.13	46.00	11.87	Peak
709.970	24.72	7.69	27.41	31.17	36.17	46.00	9.83	Peak
958.290	26.65	9.08	26.79	31.75	40.69	46.00	5.31	Peak
998.060	26.94	9.28	26.67	31.49	41.05	54.00	12.95	Peak

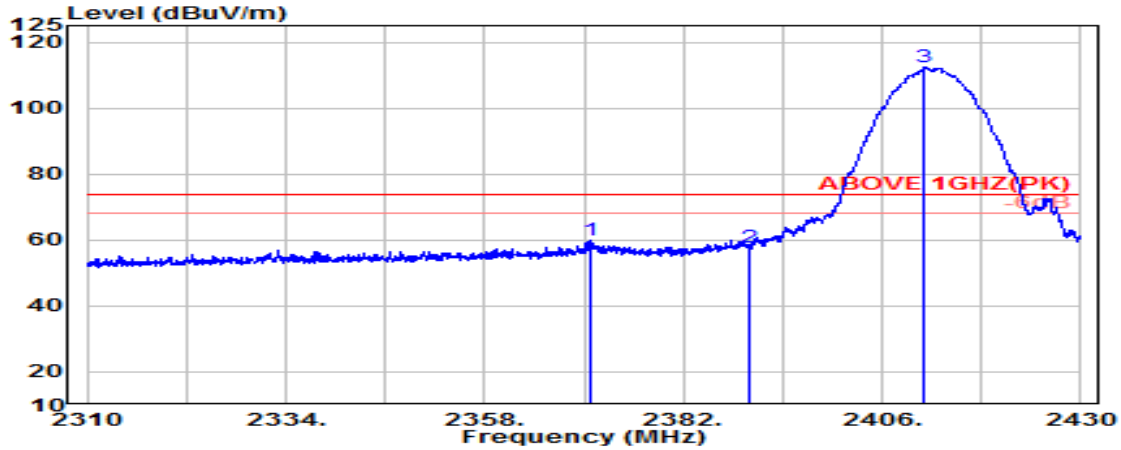
#### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
49.400	14.57	1.82	26.46	46.20	36.13	40.00	3.87	Peak
94.990	15.85	2.55	26.30	37.41	29.51	43.50	13.99	Peak
299.660	18.91	4.69	25.61	37.94	35.94	46.00	10.06	Peak
695.420	24.67	7.61	27.43	31.78	36.63	46.00	9.37	Peak
929.190	26.45	8.92	26.89	32.96	41.43	46.00	4.57	Peak
988.360	26.87	9.23	26.70	31.30	40.70	54.00	13.30	Peak

A.2.1.3 Frequency Above 1 GHz to 10<sup>th</sup> harmonics

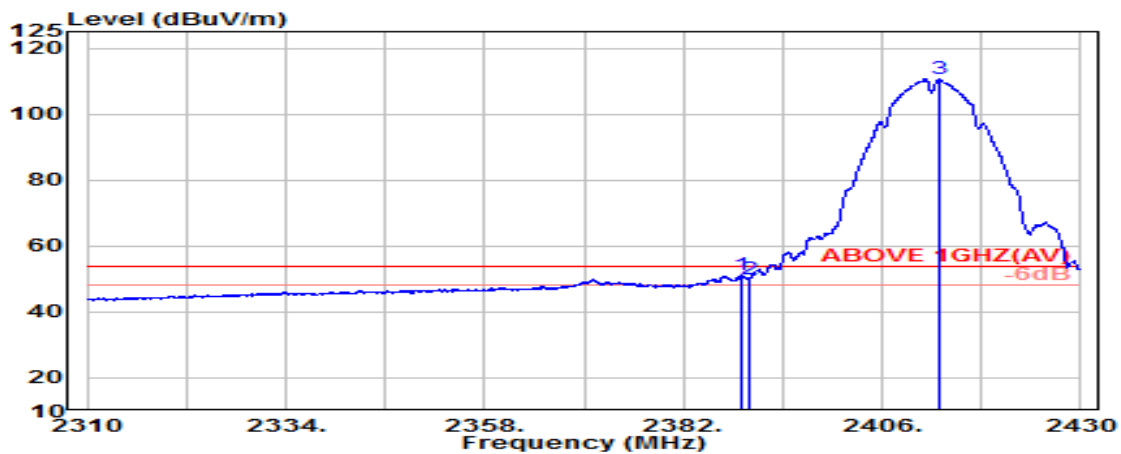
**Band Edge:**

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2370.750	28.20	6.01	39.93	65.44	59.71	74.00	14.29	Peak
2390.000	28.20	6.03	39.93	63.63	57.94	74.00	16.06	Peak
@ 2411.150	28.24	6.07	39.93	117.99	112.37	---	---	Peak

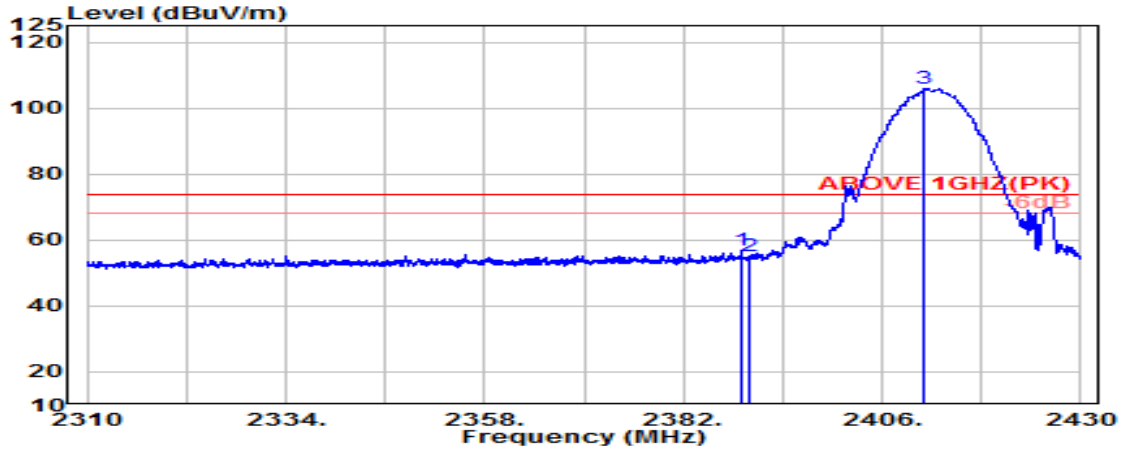


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.050	28.20	6.03	39.93	56.74	51.04	54.00	2.96	Average
2390.000	28.20	6.03	39.93	55.71	50.02	54.00	3.98	Average
@ 2412.850	28.25	6.07	39.93	116.15	110.54	---	---	Average

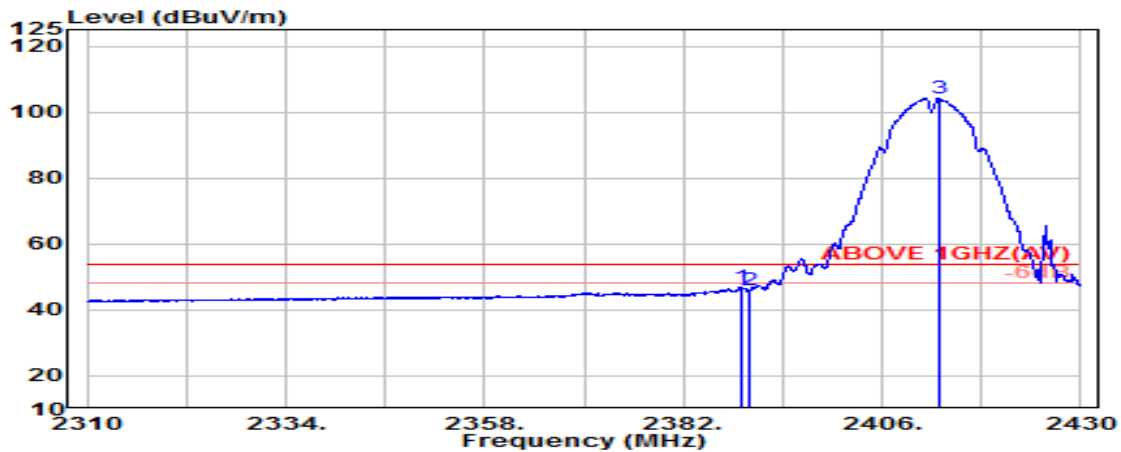
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.950	28.20	6.03	39.93	62.44	56.74	74.00	17.26	Peak
2390.000	28.20	6.03	39.93	60.96	55.27	74.00	18.73	Peak
@ 2411.150	28.24	6.07	39.93	111.52	105.90	---	---	Peak

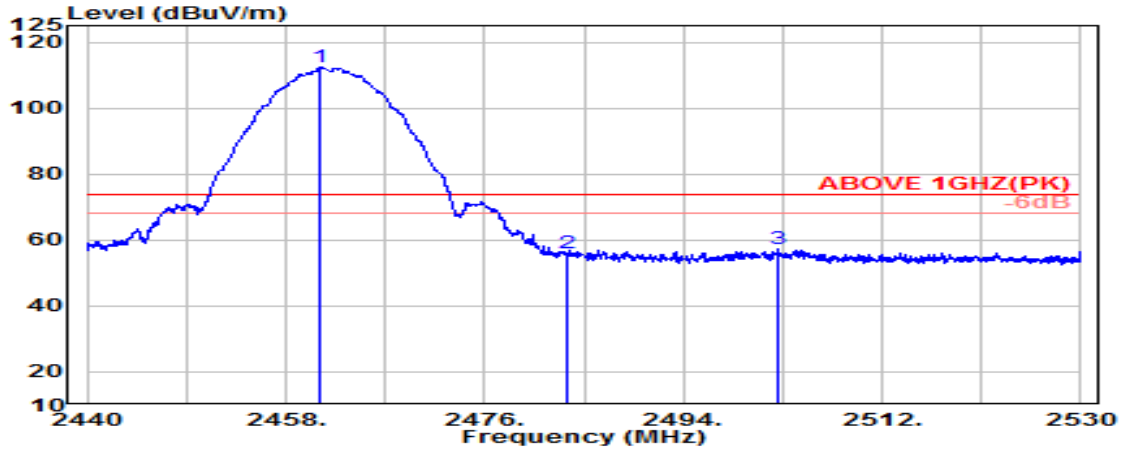


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.000	28.20	6.03	39.93	52.53	46.84	54.00	7.16	Average
2390.000	28.20	6.03	39.93	51.59	45.89	54.00	8.11	Average
@ 2412.850	28.25	6.07	39.93	109.68	104.08	---	---	Average

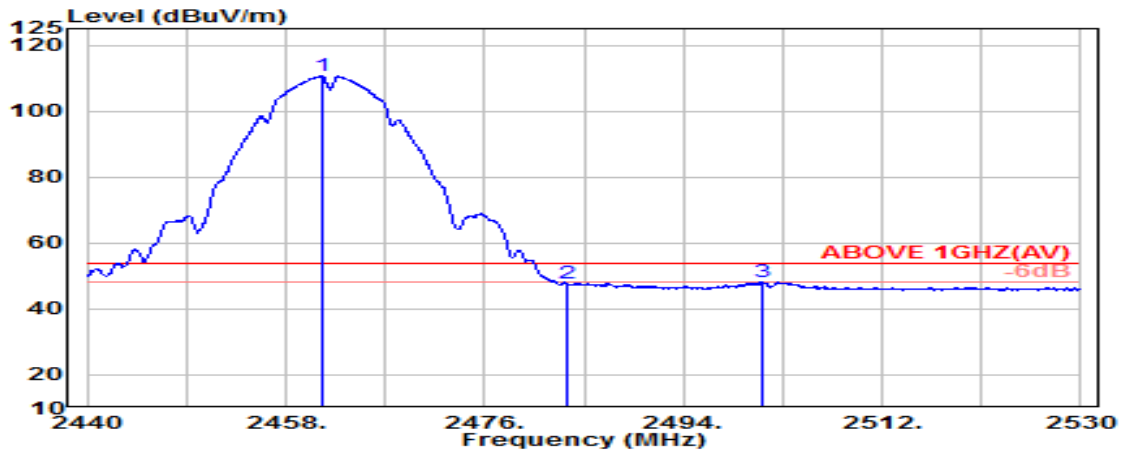
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11b	Frequency	TX 2462MHz
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#### Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.150	28.42	6.14	39.92	117.72	112.35	---	---	Peak
	2483.500	28.47	6.17	39.92	61.24	55.96	74.00	18.04	Peak
	2502.600	28.51	6.19	39.92	62.37	57.15	74.00	16.85	Peak

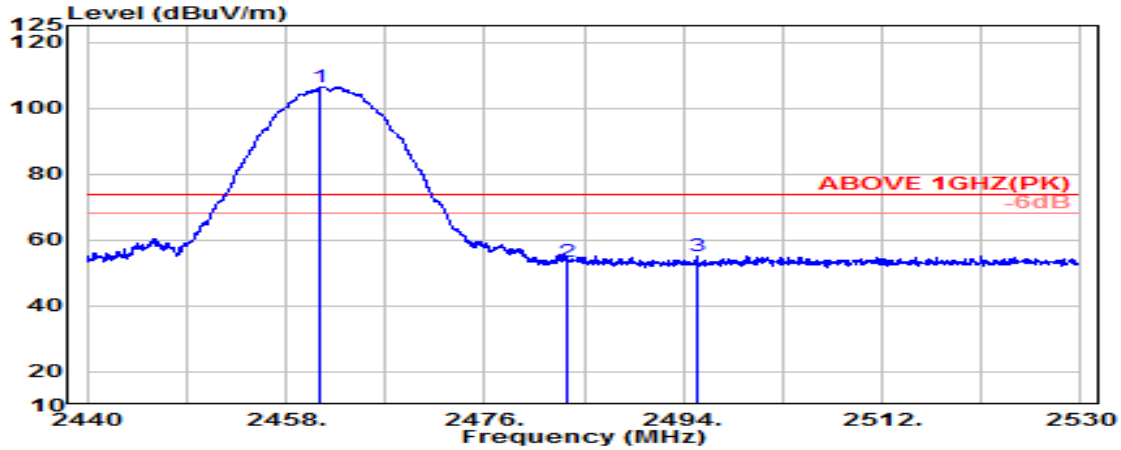


#### Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.250	28.42	6.14	39.92	116.03	110.66	---	---	Average
	2483.500	28.47	6.17	39.92	53.07	47.79	54.00	6.21	Average
	2501.150	28.50	6.19	39.92	53.54	48.31	54.00	5.69	Average

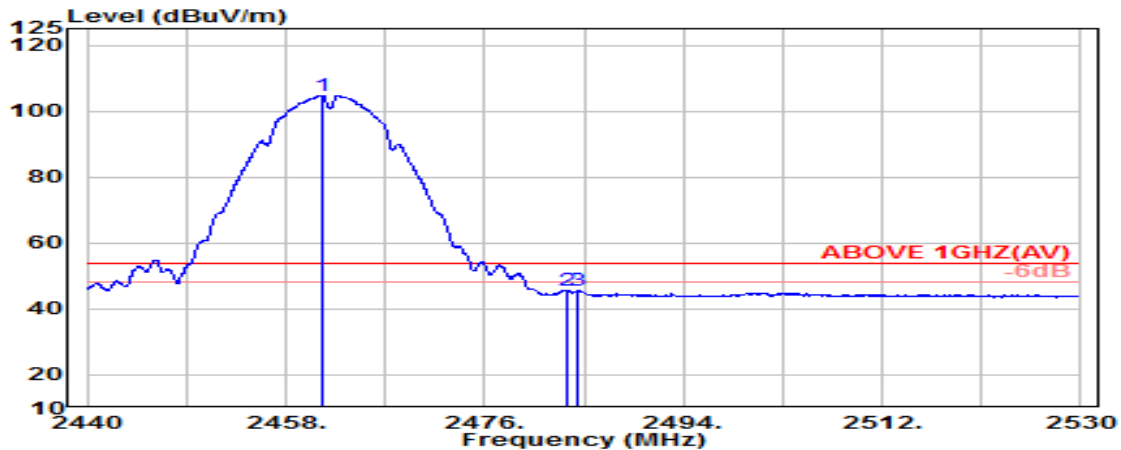
Remark: The "@" means fundamental frequency, it is ignored in this section

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.150	28.42	6.14	39.92	111.87	106.50	---	---	Peak
	2483.500	28.47	6.17	39.92	58.88	53.59	74.00	20.41	Peak
	2495.200	28.49	6.18	39.92	60.51	55.26	74.00	18.74	Peak



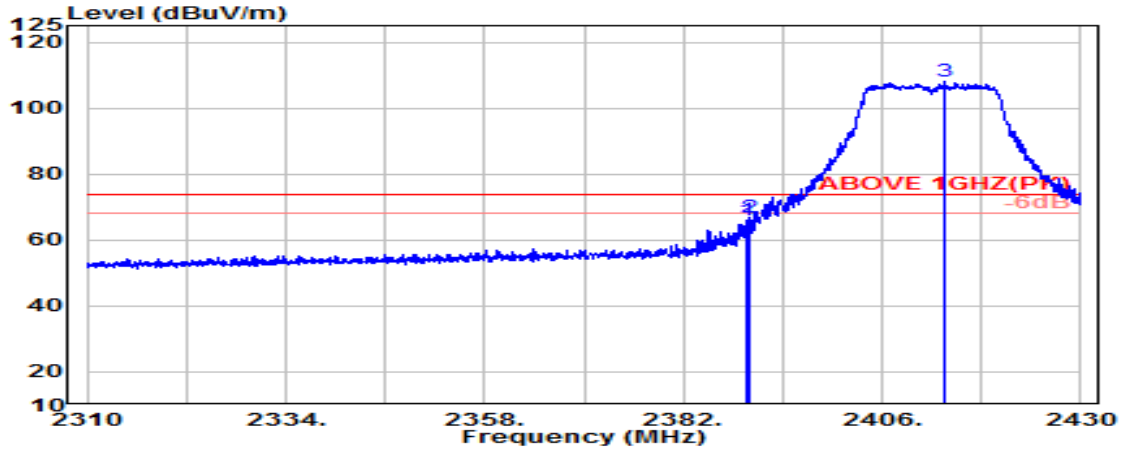
Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.250	28.42	6.14	39.92	110.12	104.75	---	---	Average
	2483.500	28.47	6.17	39.92	50.89	45.60	54.00	8.40	Average
	2484.500	28.47	6.17	39.92	50.81	45.52	54.00	8.48	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

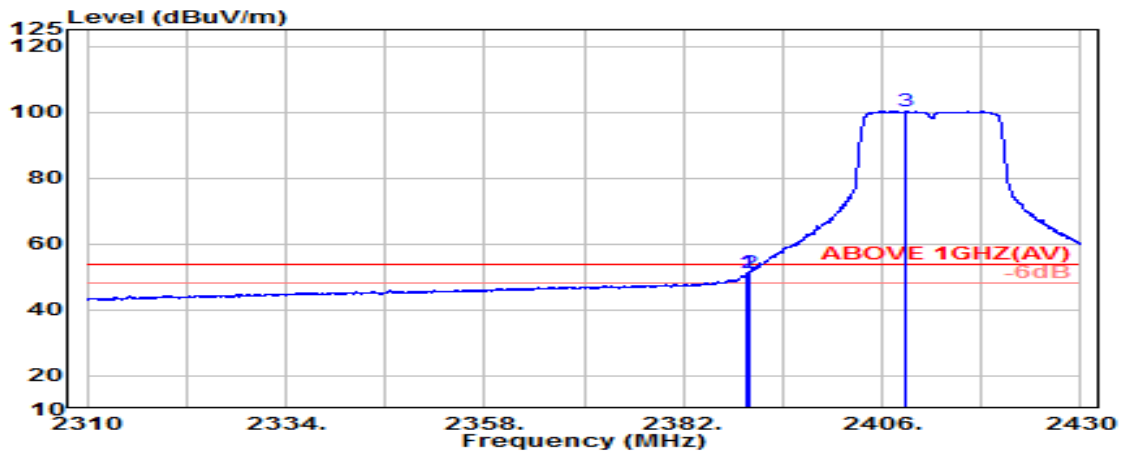


Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.650	28.20	6.03	39.93	71.52	65.83	74.00	8.17	Peak
2390.000	28.20	6.03	39.93	72.39	66.69	74.00	7.31	Peak
@ 2413.600	28.25	6.07	39.93	113.56	107.96	---	---	Peak

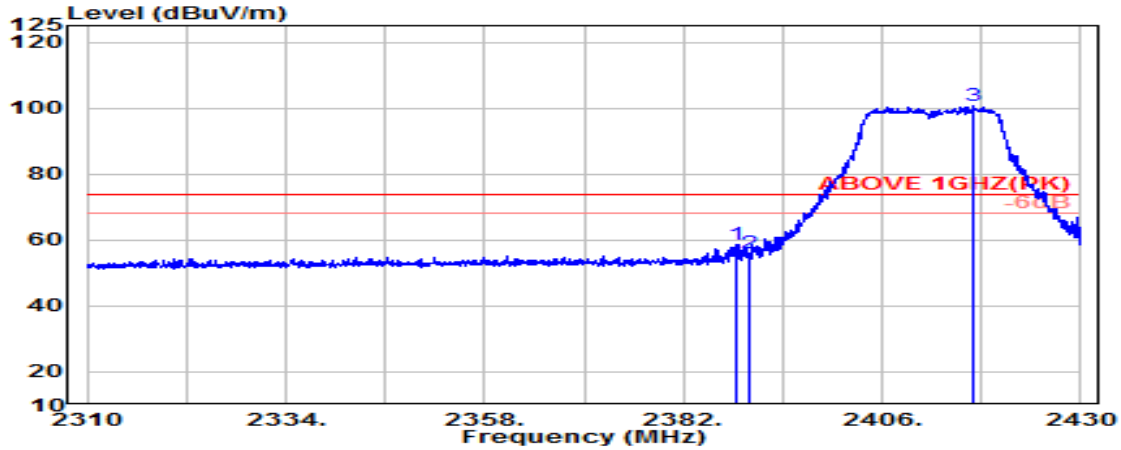


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.650	28.20	6.03	39.93	56.88	51.18	54.00	2.82	Average
2390.000	28.20	6.03	39.93	56.95	51.25	54.00	2.75	Average
@ 2408.950	28.24	6.06	39.93	105.91	100.28	---	---	Average

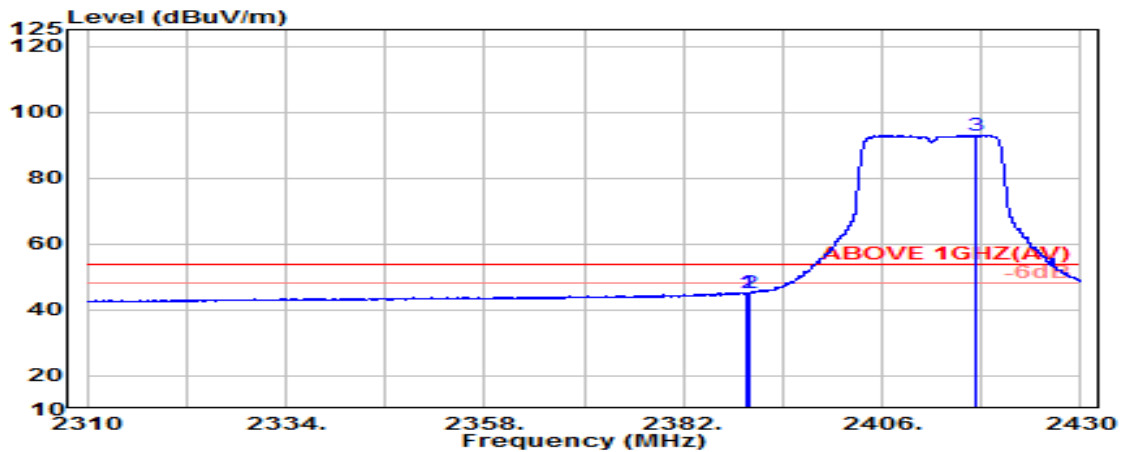
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.500	28.20	6.03	39.93	64.42	58.72	74.00	15.28	Peak
2390.000	28.20	6.03	39.93	61.58	55.88	74.00	18.12	Peak
@ 2417.050	28.27	6.07	39.93	106.19	100.61	---	---	Peak

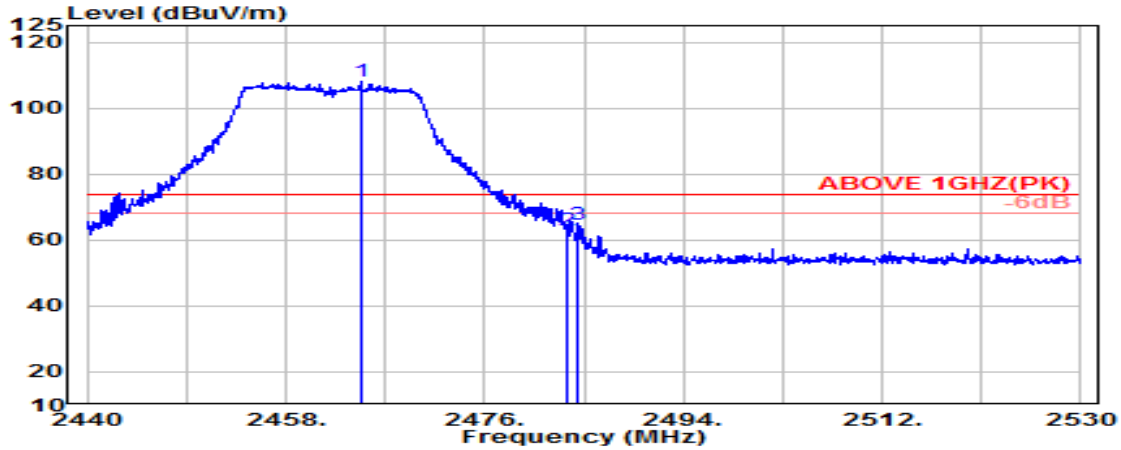


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.550	28.20	6.03	39.93	51.06	45.36	54.00	8.64	Average
2390.000	28.20	6.03	39.93	51.06	45.37	54.00	8.63	Average
@ 2417.300	28.27	6.07	39.93	98.47	92.88	---	---	Average

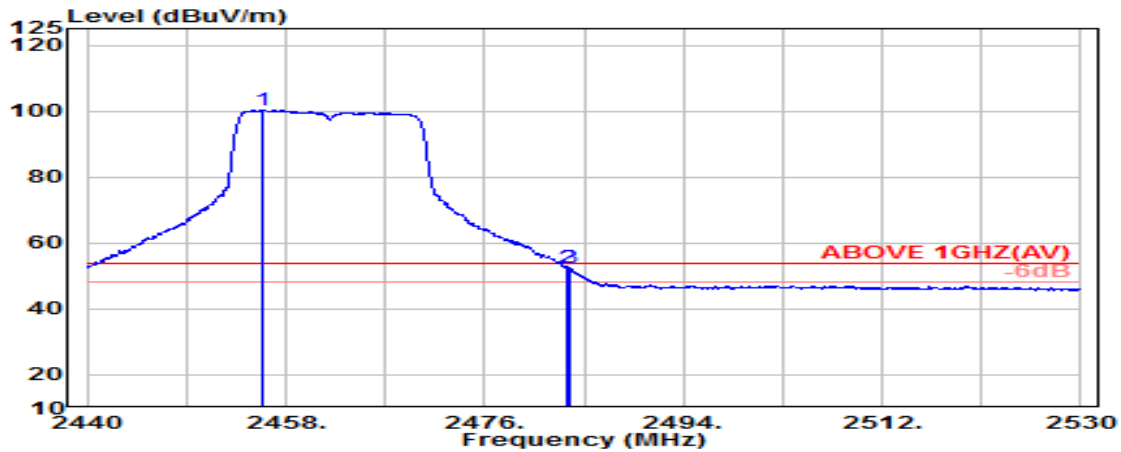
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.850	28.43	6.14	39.92	113.42	108.07	---	---	Peak
	2483.500	28.47	6.17	39.92	68.41	63.12	74.00	10.88	Peak
	2484.500	28.47	6.17	39.92	69.91	64.63	74.00	9.37	Peak

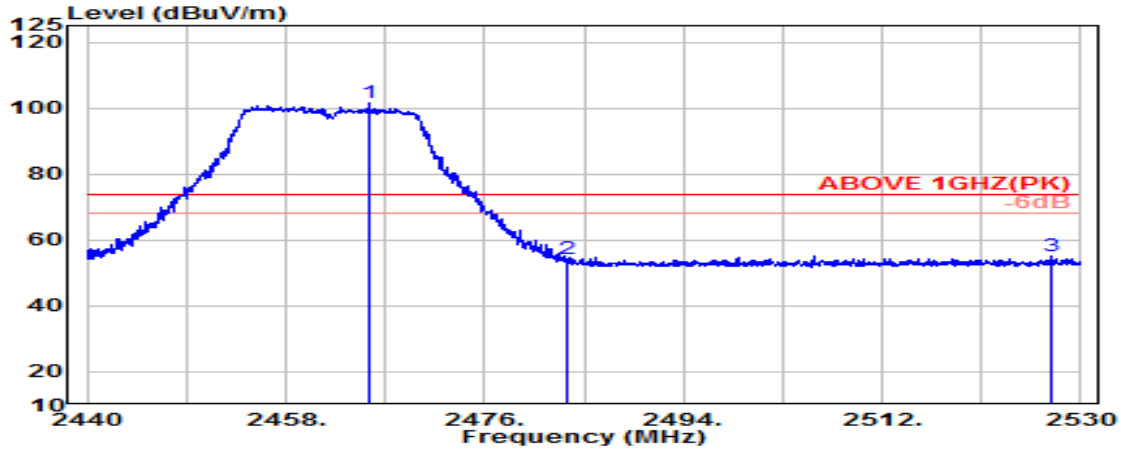


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2455.850	28.41	6.13	39.92	105.64	100.26	---	---	Average
	2483.500	28.47	6.17	39.92	57.68	52.40	54.00	1.60	Average
	2483.700	28.47	6.17	39.92	57.82	52.53	54.00	1.47	Average

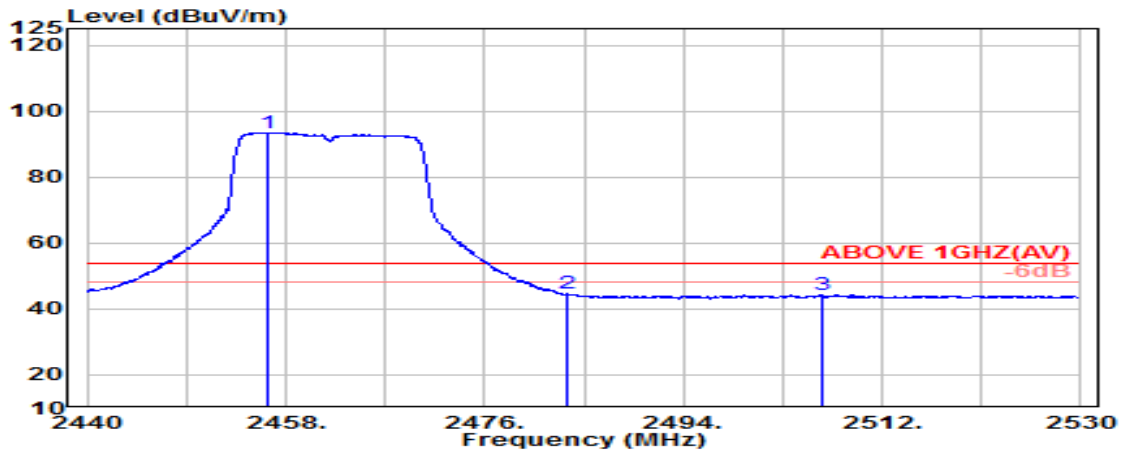
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2465.600	28.43	6.14	39.92	106.82	101.47	---	---	Peak
	2483.500	28.47	6.17	39.92	59.72	54.43	74.00	19.57	Peak
	2527.350	28.55	6.22	39.93	60.25	55.10	74.00	18.90	Peak

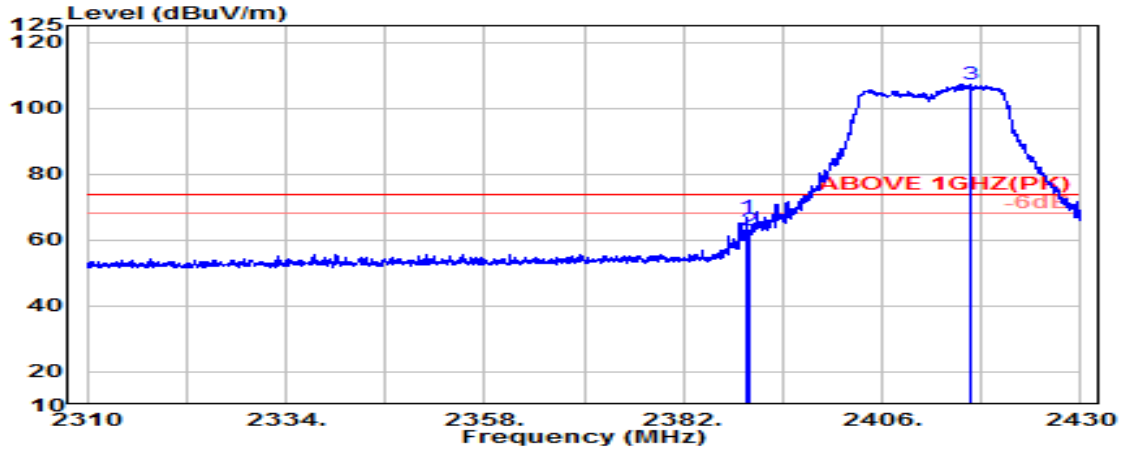


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2456.250	28.41	6.13	39.92	98.84	93.46	---	---	Average
	2483.500	28.47	6.17	39.92	49.80	44.51	54.00	9.49	Average
	2506.500	28.51	6.20	39.92	49.58	44.36	54.00	9.64	Average

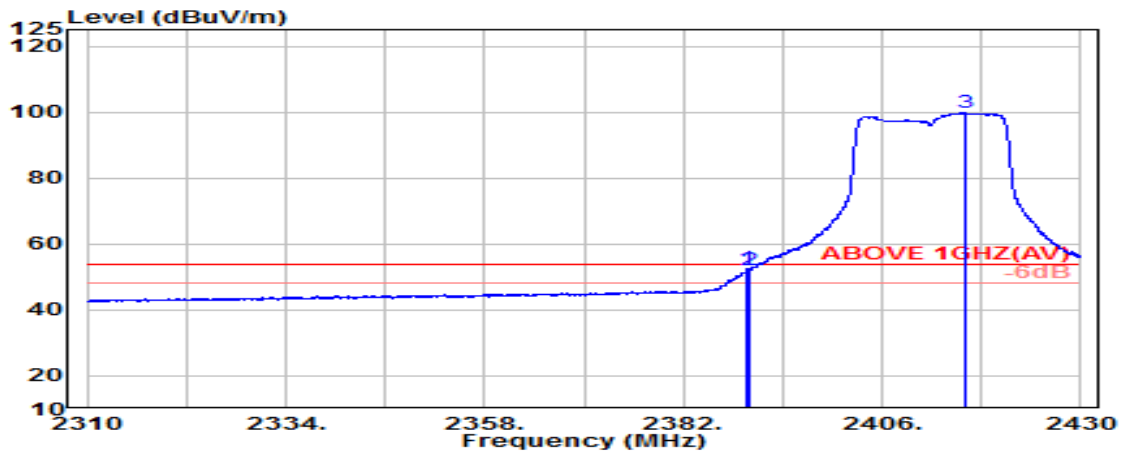
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.550	28.20	6.03	39.93	72.75	67.06	74.00	6.94	Peak
2390.000	28.20	6.03	39.93	68.53	62.84	74.00	11.16	Peak
@ 2416.650	28.27	6.07	39.93	112.74	107.15	---	---	Peak

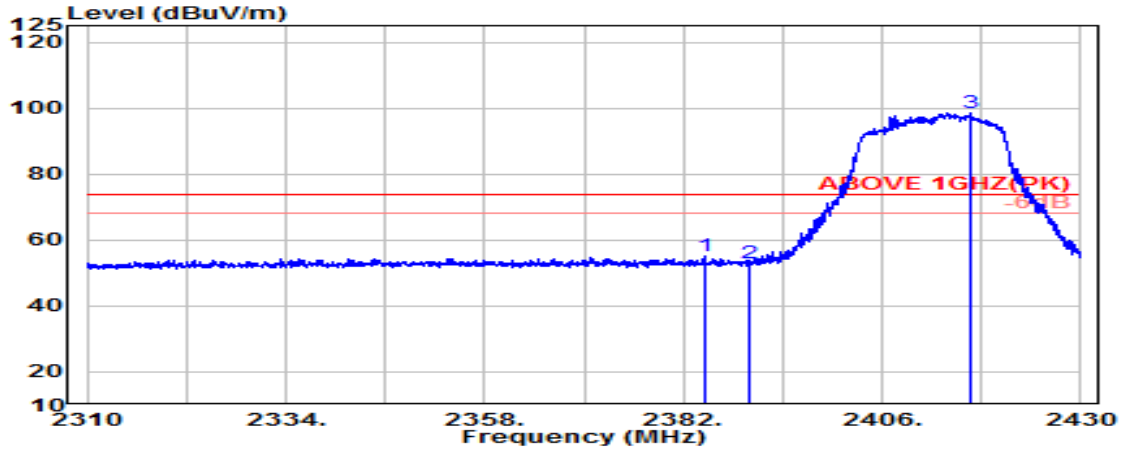


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.800	28.20	6.03	39.93	58.14	52.44	54.00	1.56	Average
2390.000	28.20	6.03	39.93	58.00	52.31	54.00	1.69	Average
@ 2416.000	28.26	6.07	39.93	105.32	99.73	---	---	Average

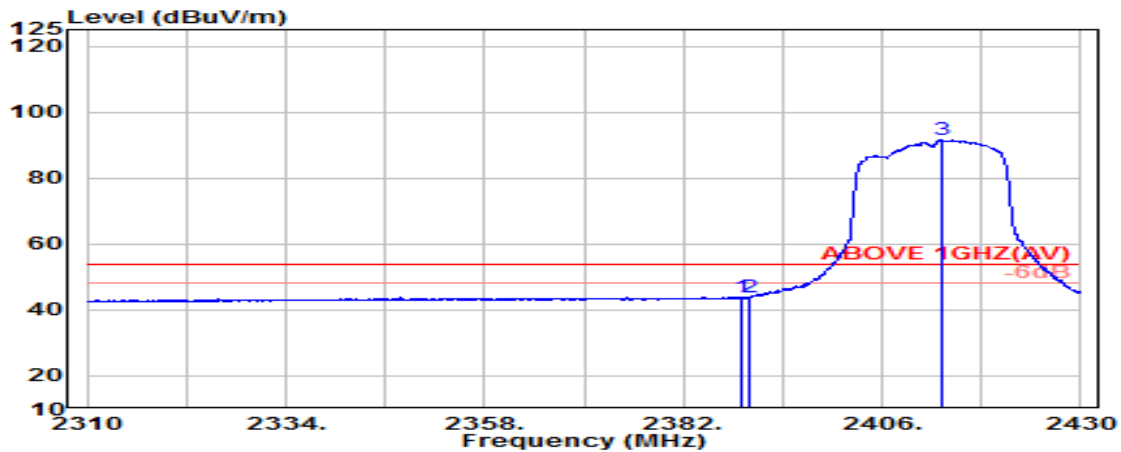
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2384.650	28.20	6.03	39.93	60.86	55.15	74.00	18.85	Peak
2390.000	28.20	6.03	39.93	58.85	53.15	74.00	20.85	Peak
@ 2416.600	28.27	6.07	39.93	104.08	98.49	---	---	Peak

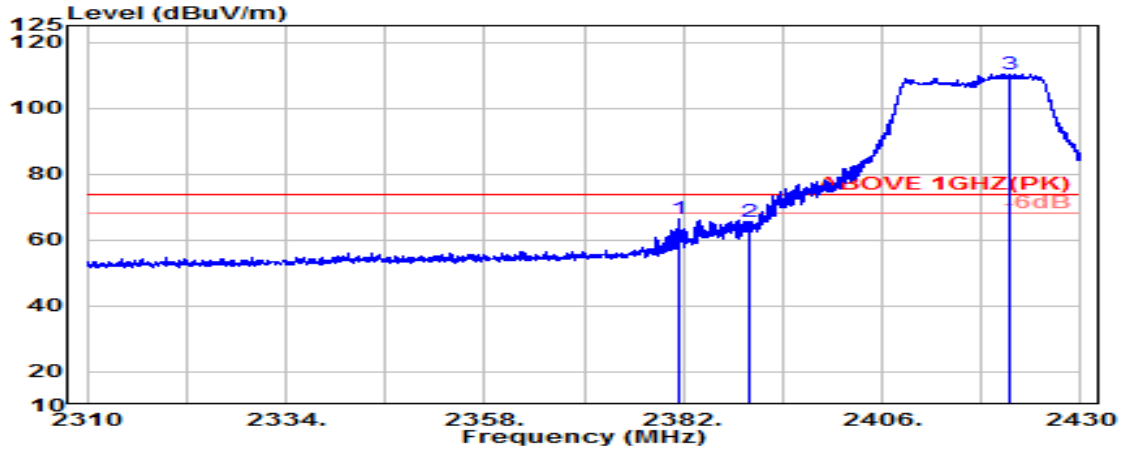


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.000	28.20	6.03	39.93	49.71	44.01	54.00	9.99	Average
2390.000	28.20	6.03	39.93	49.60	43.91	54.00	10.09	Average
@ 2413.100	28.25	6.07	39.93	97.15	91.54	---	---	Average

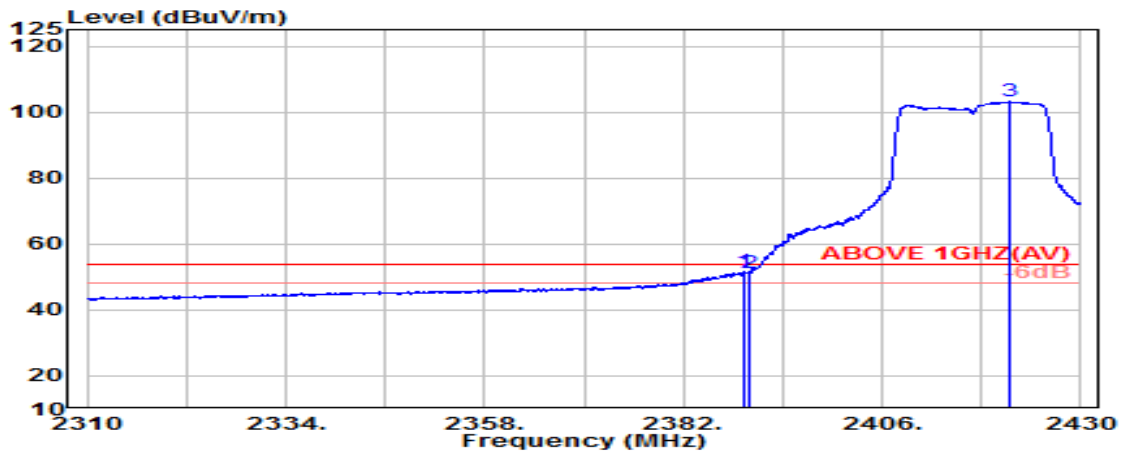
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2417MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2381.400	28.20	6.02	39.93	72.32	66.61	74.00	7.39	Peak
2390.000	28.20	6.03	39.93	71.20	65.50	74.00	8.50	Peak
@ 2421.350	28.29	6.08	39.93	115.90	110.33	---	---	Peak

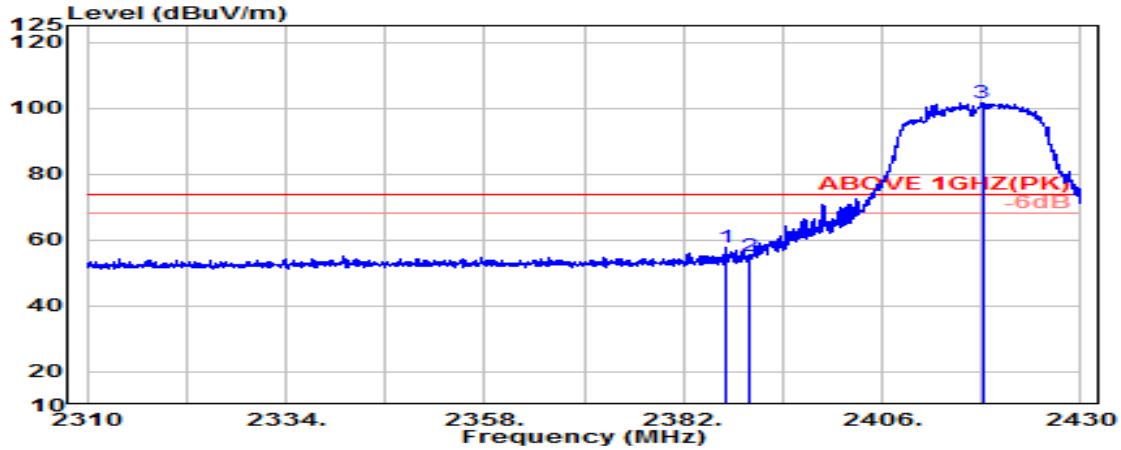


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.400	28.20	6.03	39.93	57.18	51.48	54.00	2.52	Average
2390.000	28.20	6.03	39.93	56.73	51.03	54.00	2.97	Average
@ 2421.350	28.29	6.08	39.93	108.71	103.14	---	---	Average

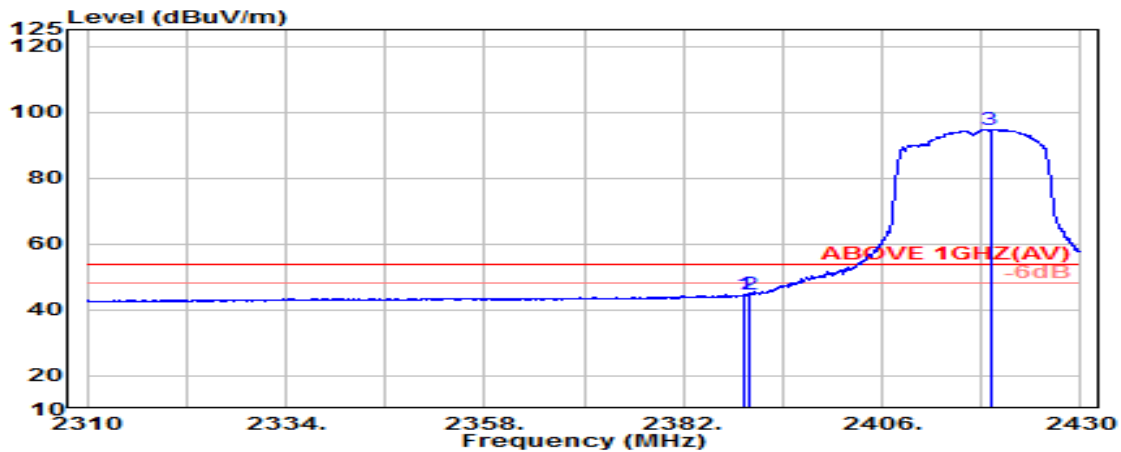
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2417MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2387.200	28.20	6.03	39.93	63.62	57.92	74.00	16.08	Peak
2390.000	28.20	6.03	39.93	60.87	55.18	74.00	18.82	Peak
@ 2418.100	28.27	6.08	39.93	107.17	101.59	---	---	Peak



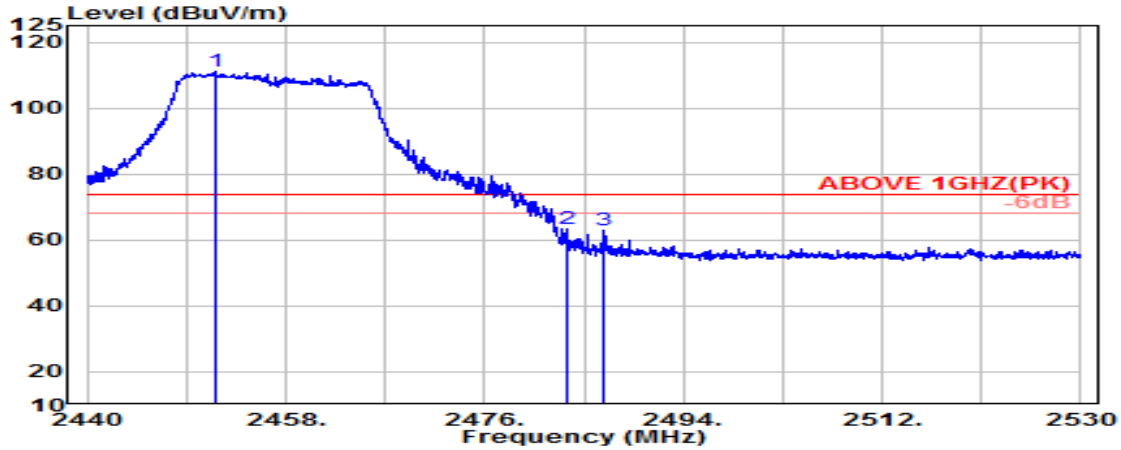
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.450	28.20	6.03	39.93	50.39	44.69	54.00	9.31	Average
2390.000	28.20	6.03	39.93	50.28	44.58	54.00	9.42	Average
@ 2419.050	28.28	6.08	39.93	100.32	94.75	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

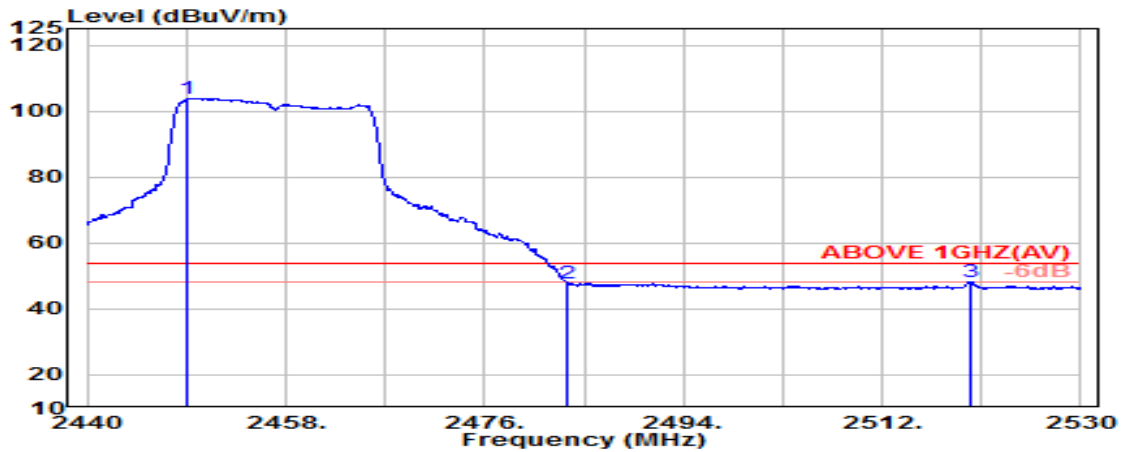


Mode	802.11n-HT20	Frequency	TX 2457MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2451.550	28.40	6.12	39.92	116.54	111.14	---	---	Peak
	2483.500	28.47	6.17	39.92	68.76	63.48	74.00	10.52	Peak
	2486.850	28.47	6.17	39.92	68.11	62.83	74.00	11.17	Peak

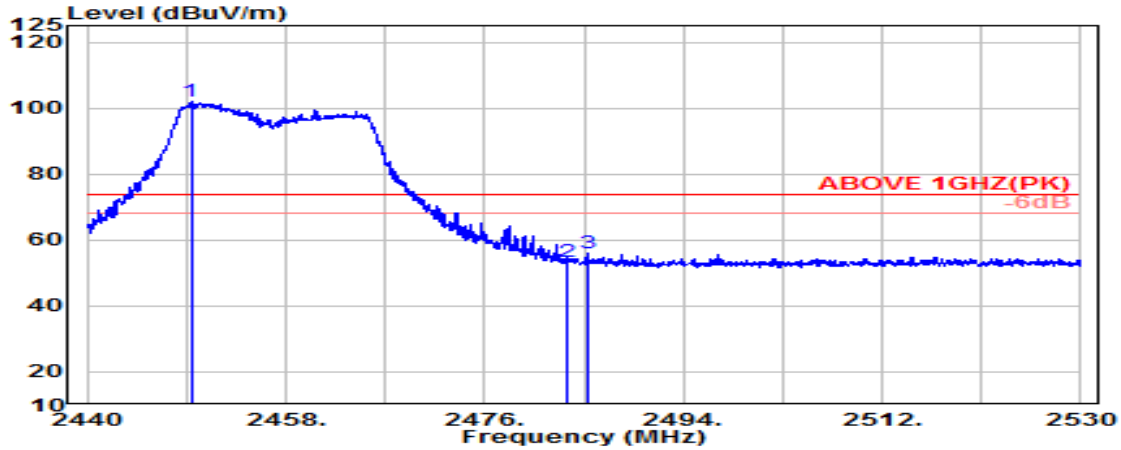


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2449.150	28.40	6.12	39.92	109.31	103.90	---	---	Average
	2483.500	28.47	6.17	39.92	53.09	47.81	54.00	6.19	Average
	2519.950	28.54	6.21	39.93	53.50	48.33	54.00	5.67	Average

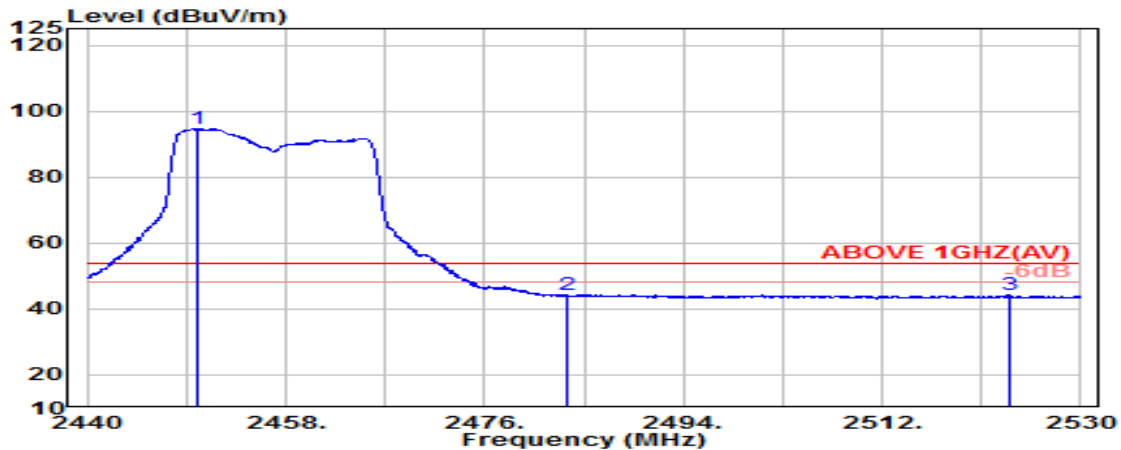
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2457MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2449.400	28.40	6.12	39.92	107.24	101.83	---	---	Peak
	2483.500	28.47	6.17	39.92	58.64	53.35	74.00	20.65	Peak
	2485.300	28.47	6.17	39.92	61.09	55.81	74.00	18.19	Peak

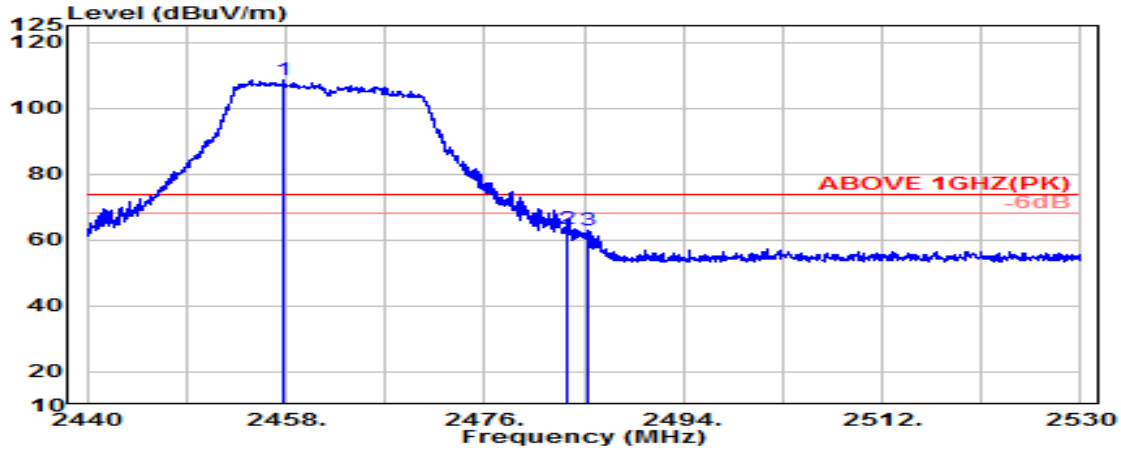


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2449.900	28.40	6.12	39.92	99.91	94.50	---	---	Average
	2483.500	28.47	6.17	39.92	49.58	44.29	54.00	9.71	Average
	2523.450	28.55	6.22	39.93	49.59	44.42	54.00	9.58	Average

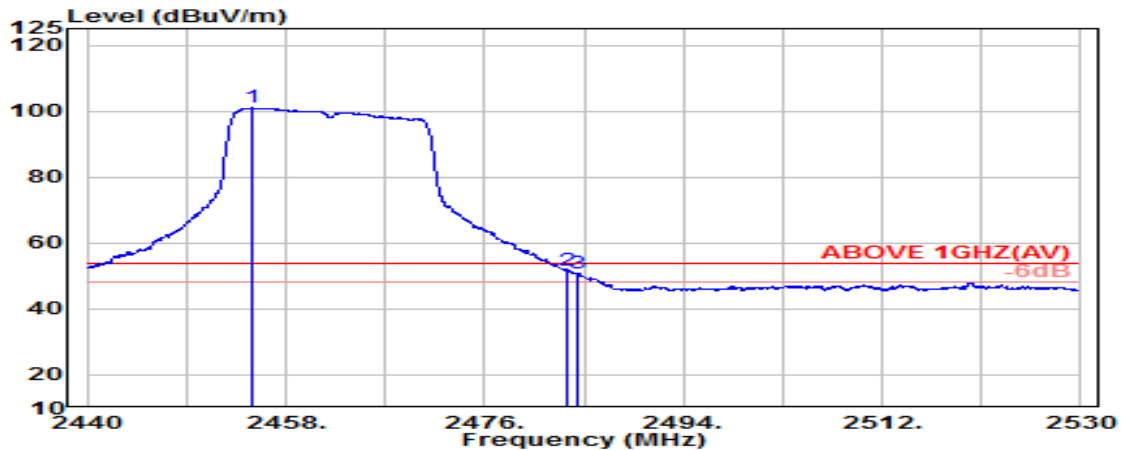
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.750	28.42	6.13	39.92	114.02	108.64	---	---	Peak
	2483.500	28.47	6.17	39.92	68.79	63.51	74.00	10.49	Peak
	2485.300	28.47	6.17	39.92	68.09	62.81	74.00	11.19	Peak

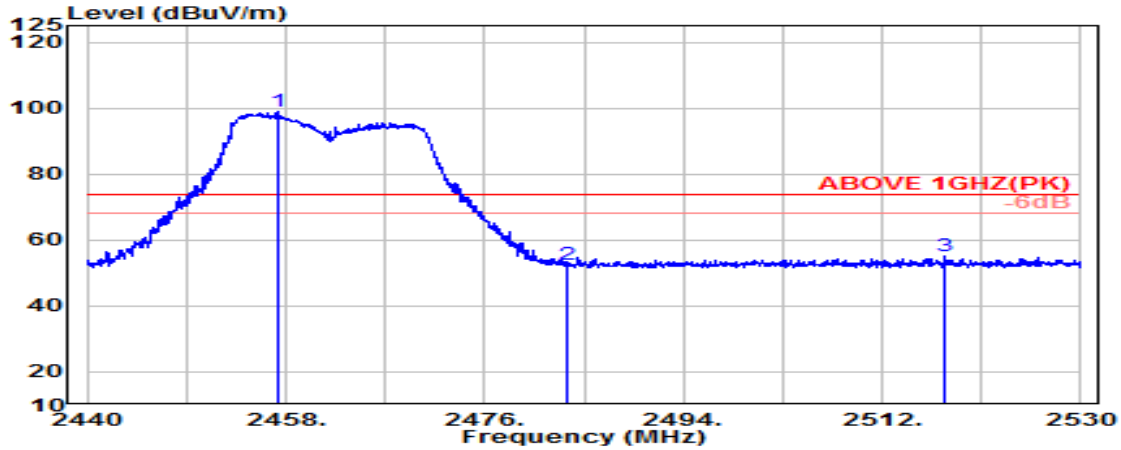


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2455.050	28.41	6.13	39.92	106.35	100.96	---	---	Average
	2483.500	28.47	6.17	39.92	56.88	51.59	54.00	2.41	Average
	2484.500	28.47	6.17	39.92	55.92	50.64	54.00	3.36	Average

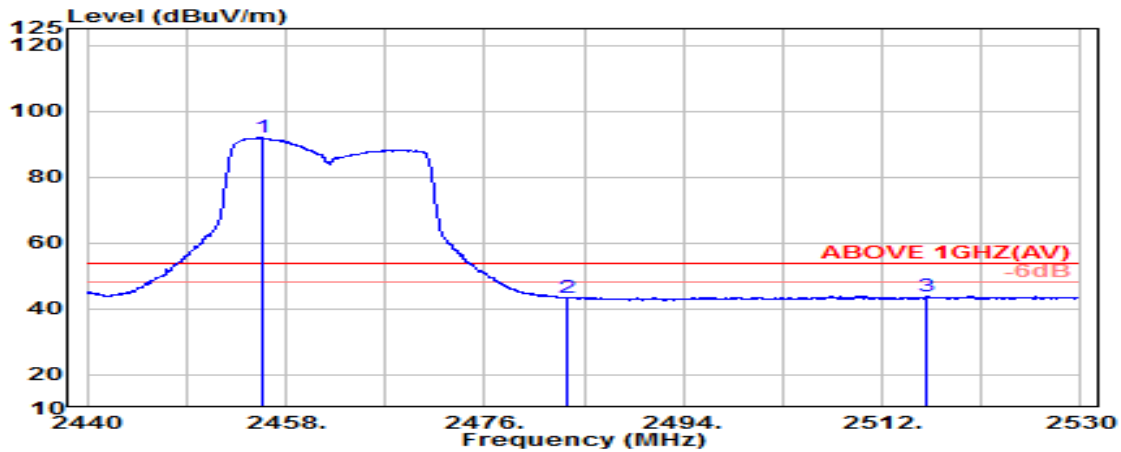
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.200	28.41	6.13	39.92	104.42	99.04	---	---	Peak
	2483.500	28.47	6.17	39.92	57.71	52.43	74.00	21.57	Peak
	2517.700	28.54	6.21	39.93	60.38	55.20	74.00	18.80	Peak

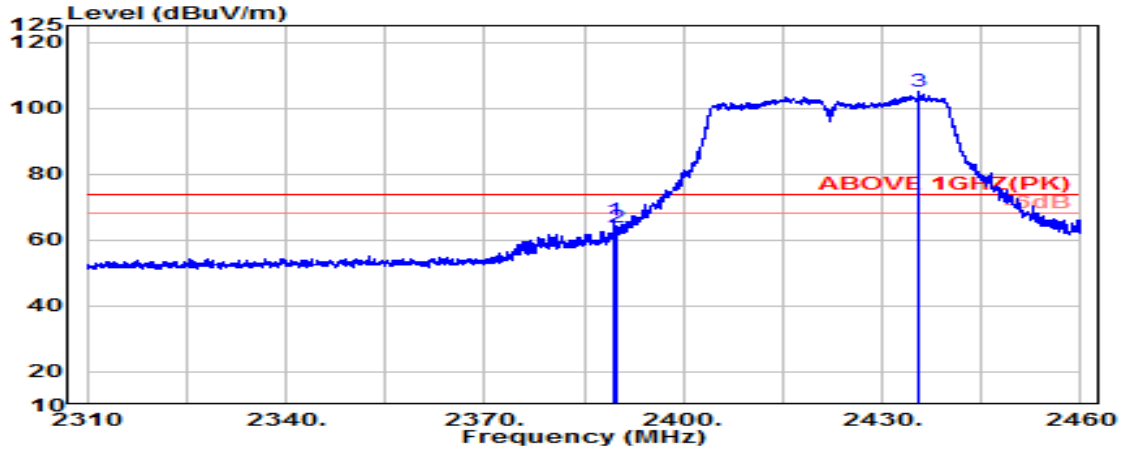


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2455.900	28.41	6.13	39.92	97.25	91.86	---	---	Average
	2483.500	28.47	6.17	39.92	48.49	43.21	54.00	10.79	Average
	2516.050	28.53	6.21	39.92	49.13	43.95	54.00	10.05	Average

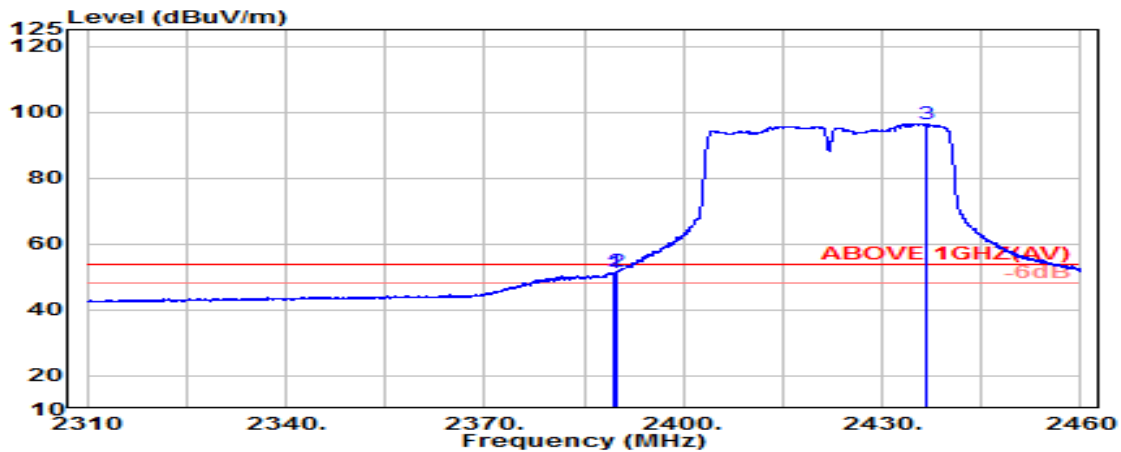
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2422MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.450	28.20	6.03	39.93	71.48	65.79	74.00	8.21	Peak
2390.000	28.20	6.03	39.93	69.41	63.72	74.00	10.28	Peak
@ 2435.600	28.34	6.10	39.93	110.43	104.95	---	---	Peak

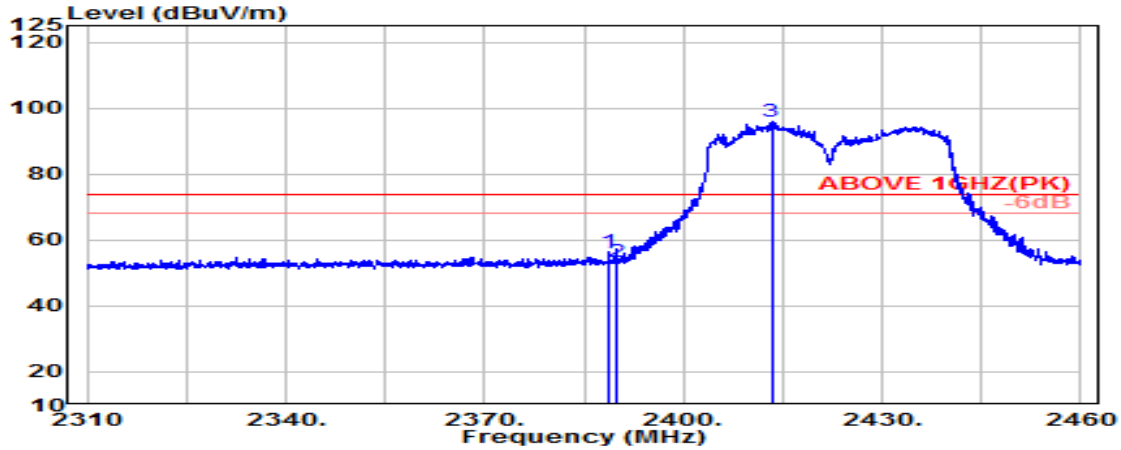


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.600	28.20	6.03	39.93	57.11	51.42	54.00	2.58	Average
2390.000	28.20	6.03	39.93	57.31	51.61	54.00	2.39	Average
@ 2436.600	28.35	6.10	39.93	102.02	96.54	---	---	Average

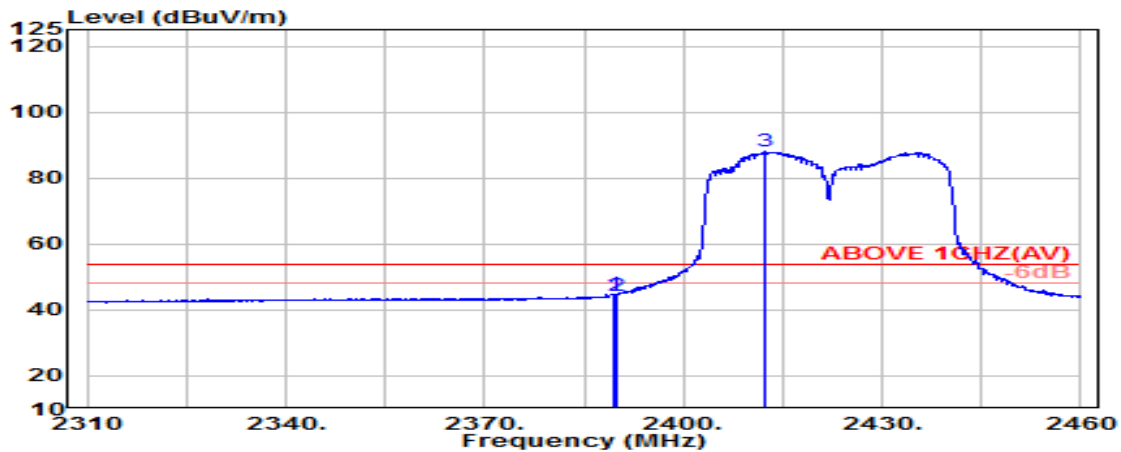
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2422MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.800	28.20	6.03	39.93	62.27	56.57	74.00	17.43	Peak
2390.000	28.20	6.03	39.93	59.22	53.53	74.00	20.47	Peak
@ 2413.300	28.25	6.07	39.93	101.48	95.87	---	---	Peak

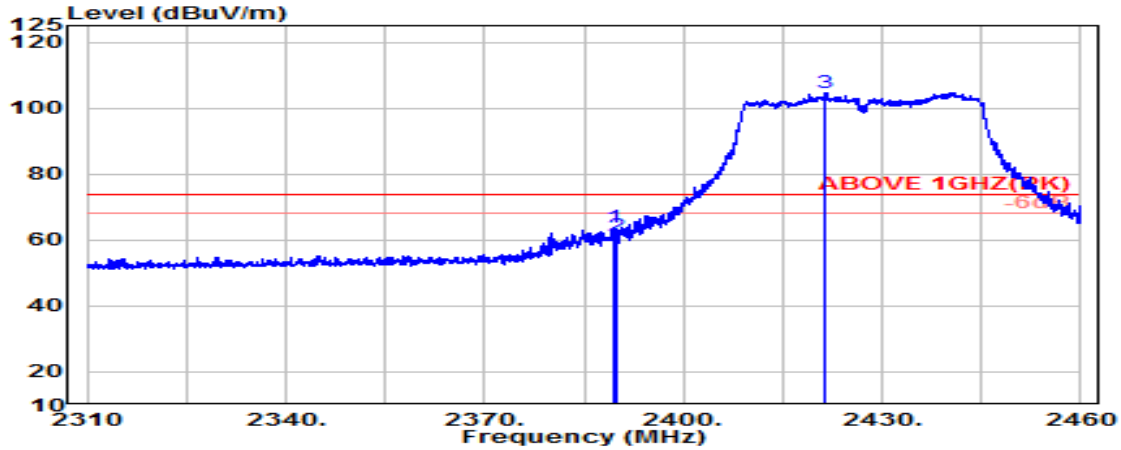


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.550	28.20	6.03	39.93	50.50	44.80	54.00	9.20	Average
2390.000	28.20	6.03	39.93	50.10	44.40	54.00	9.60	Average
@ 2412.300	28.25	6.07	39.93	93.54	87.93	---	---	Average

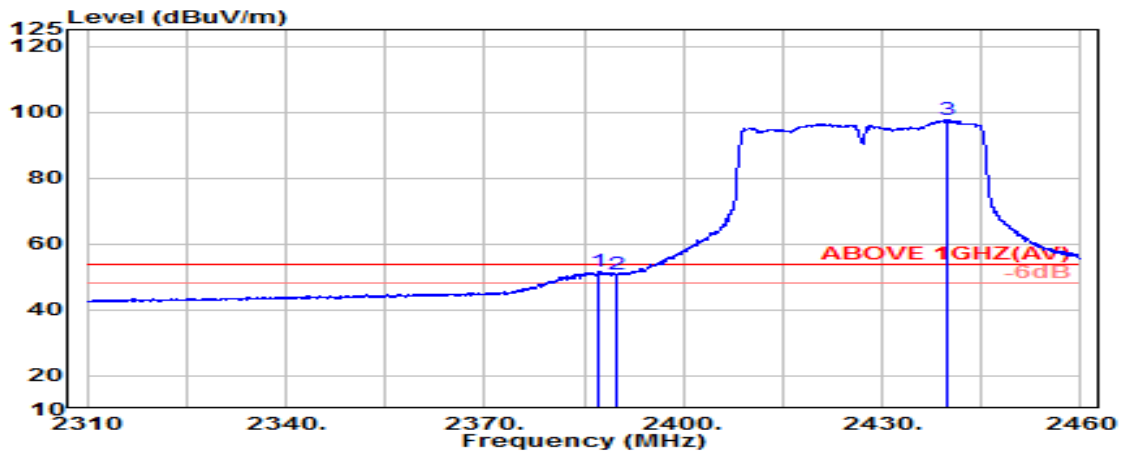
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2427MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.500	28.20	6.03	39.93	69.55	63.86	74.00	10.14	Peak
2390.000	28.20	6.03	39.93	67.11	61.41	74.00	12.59	Peak
@ 2421.450	28.29	6.08	39.93	110.33	104.77	---	---	Peak

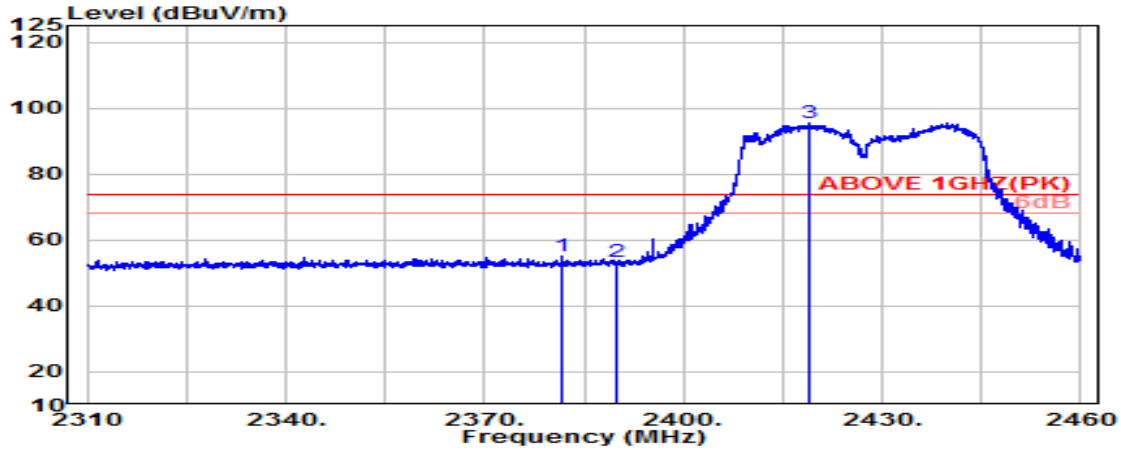


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2387.350	28.20	6.03	39.93	57.21	51.51	54.00	2.49	Average
2390.000	28.20	6.03	39.93	56.30	50.61	54.00	3.39	Average
@ 2440.000	28.36	6.11	39.93	103.21	97.75	---	---	Average

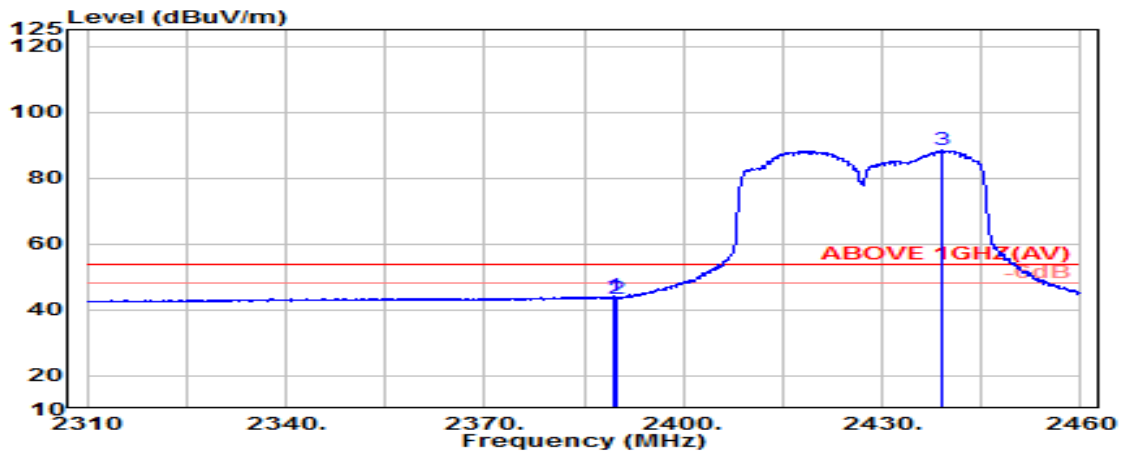
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2427MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2381.600	28.20	6.02	39.93	60.83	55.12	74.00	18.88	Peak
2390.000	28.20	6.03	39.93	58.91	53.22	74.00	20.78	Peak
@ 2418.850	28.28	6.08	39.93	101.22	95.64	---	---	Peak



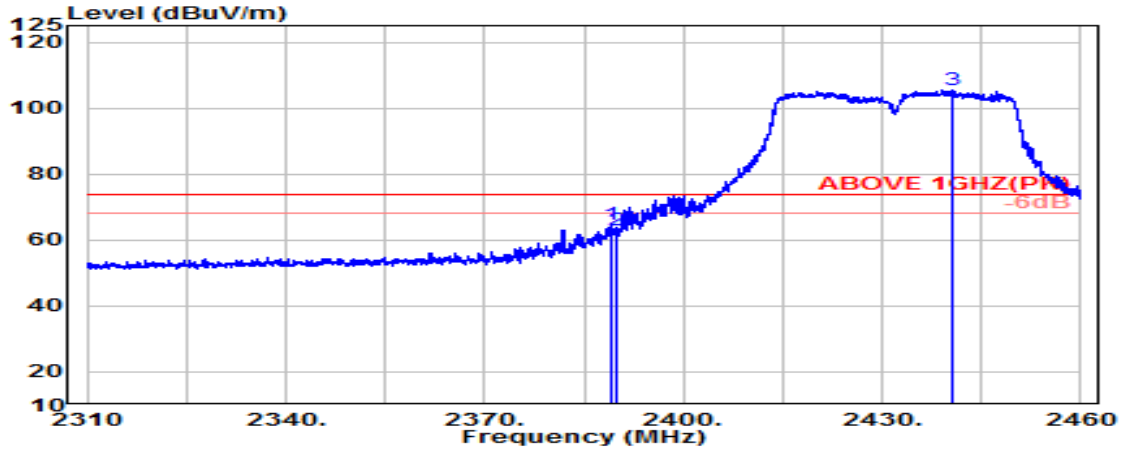
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.500	28.20	6.03	39.93	49.82	44.12	54.00	9.88	Average
2390.000	28.20	6.03	39.93	49.32	43.63	54.00	10.37	Average
@ 2439.000	28.36	6.10	39.93	93.83	88.36	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

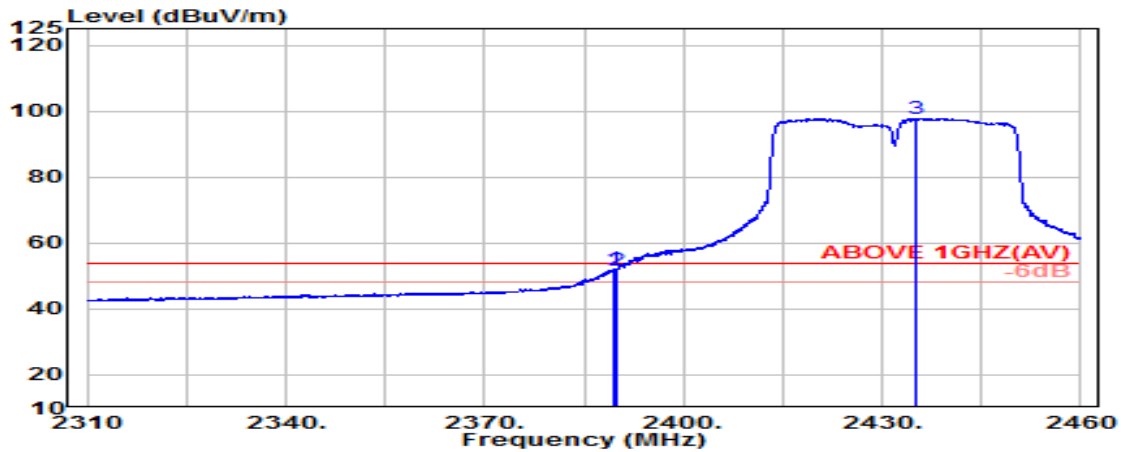


Mode	802.11n-HT40	Frequency	TX 2432MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.100	28.20	6.03	39.93	70.56	64.86	74.00	9.14	Peak
2390.000	28.20	6.03	39.93	68.83	63.13	74.00	10.87	Peak
@ 2440.750	28.36	6.11	39.93	110.79	105.34	---	---	Peak

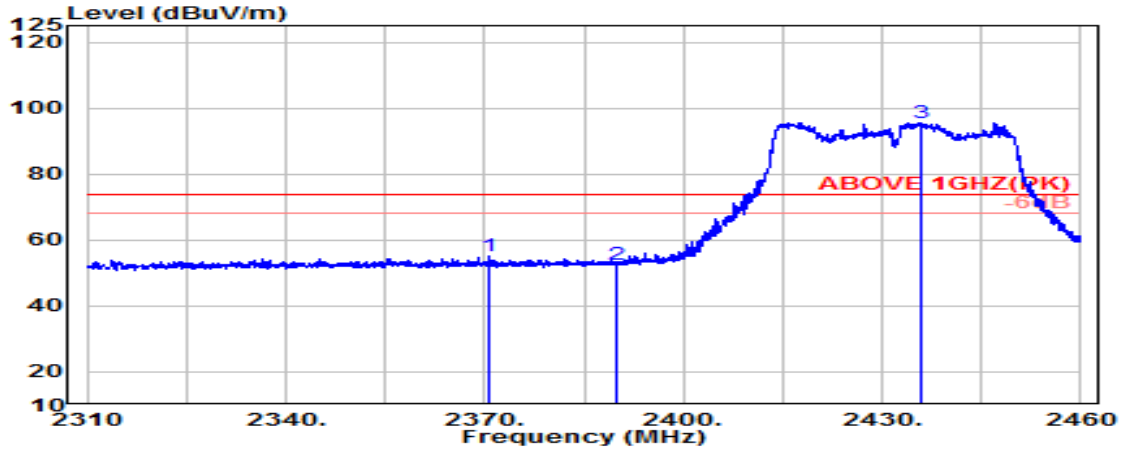


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.600	28.20	6.03	39.93	57.68	51.98	54.00	2.02	Average
2390.000	28.20	6.03	39.93	57.25	51.55	54.00	2.45	Average
@ 2434.950	28.34	6.10	39.93	103.31	97.83	---	---	Average

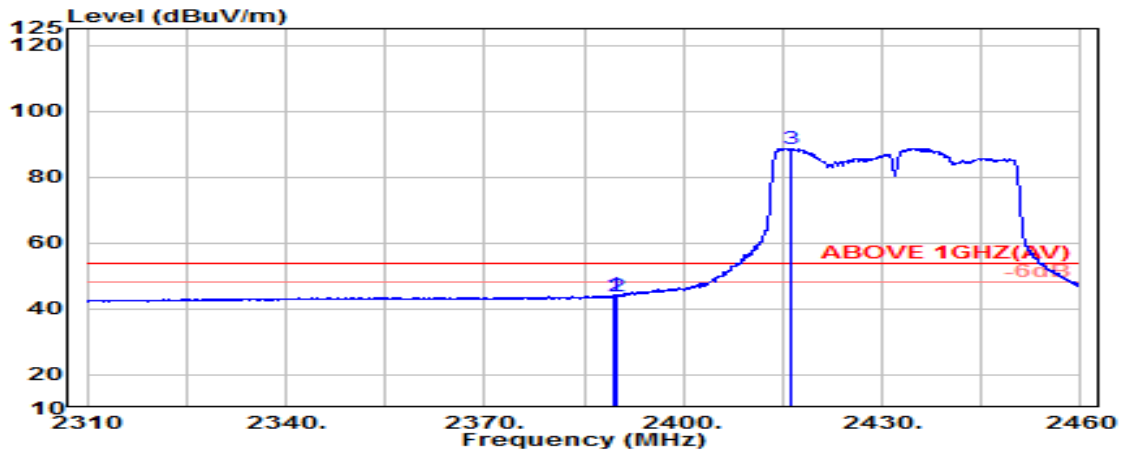
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2432MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2370.650	28.20	6.01	39.93	60.79	55.06	74.00	18.94	Peak
2390.000	28.20	6.03	39.93	58.26	52.57	74.00	21.43	Peak
@ 2436.000	28.34	6.10	39.93	101.05	95.57	---	---	Peak

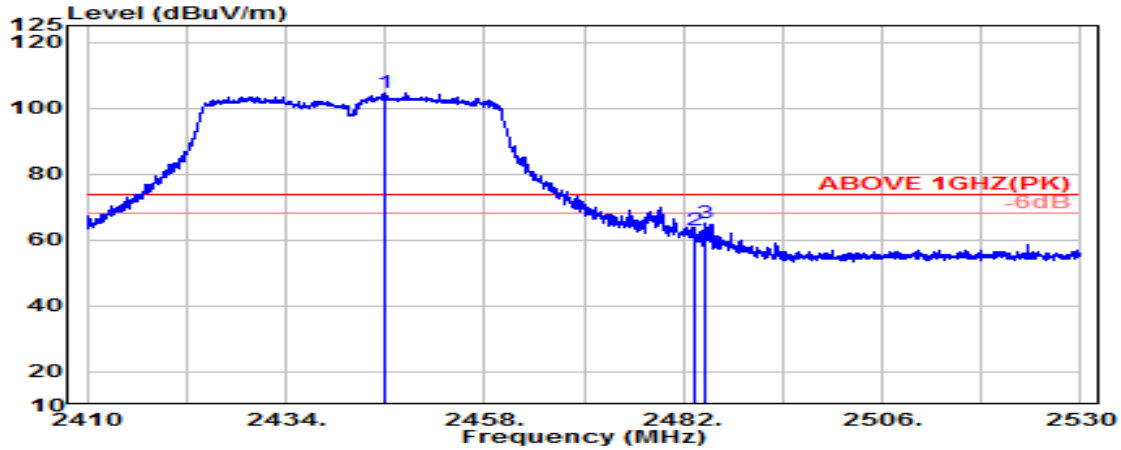


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.550	28.20	6.03	39.93	49.84	44.14	54.00	9.86	Average
2390.000	28.20	6.03	39.93	49.63	43.93	54.00	10.07	Average
@ 2416.350	28.27	6.07	39.93	94.34	88.75	---	---	Average

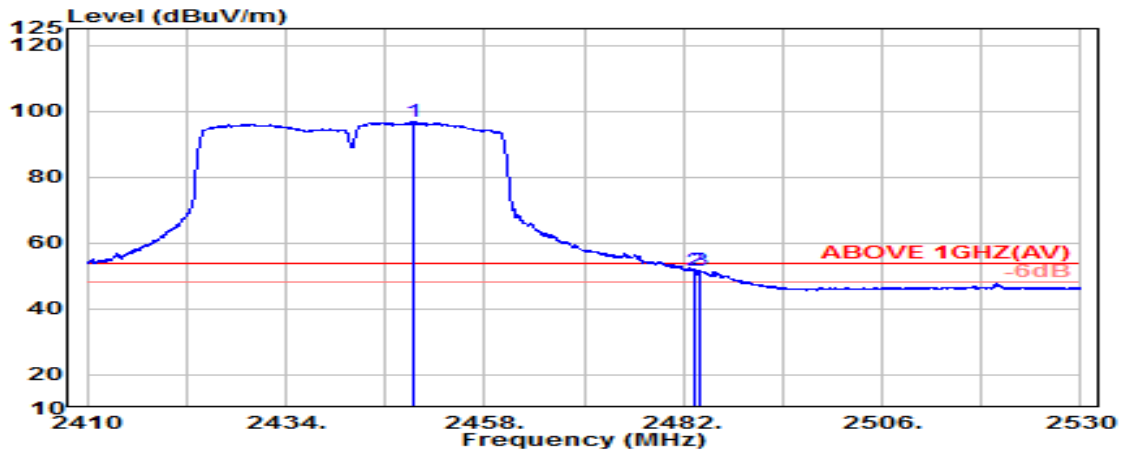
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2445.900	28.38	6.11	39.92	109.91	104.48	---	---	Peak
	2483.500	28.47	6.17	39.92	68.25	62.96	74.00	11.04	Peak
	2484.700	28.47	6.17	39.92	70.51	65.23	74.00	8.77	Peak

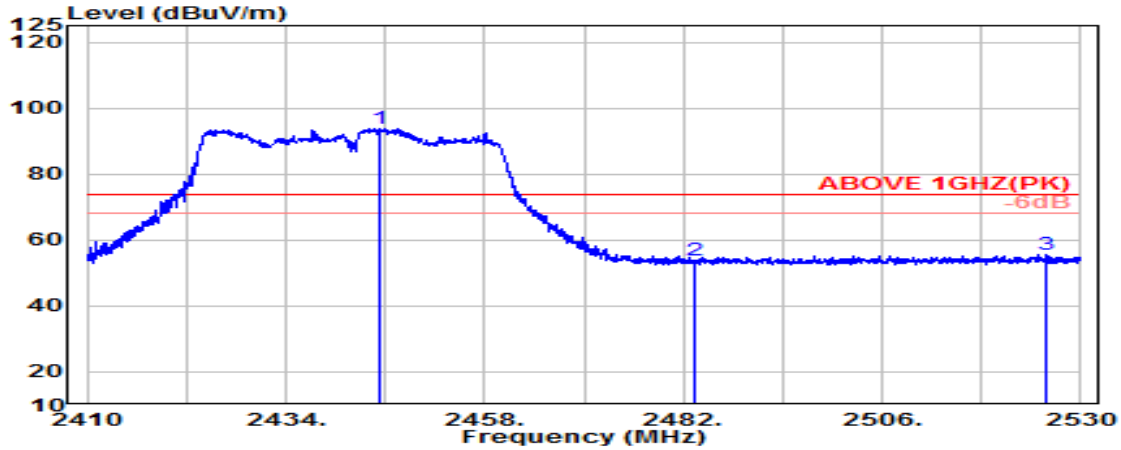


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2449.350	28.40	6.12	39.92	102.30	96.89	---	---	Average
	2483.500	28.47	6.17	39.92	56.98	51.69	54.00	2.31	Average
	2483.850	28.47	6.17	39.92	57.06	51.78	54.00	2.22	Average

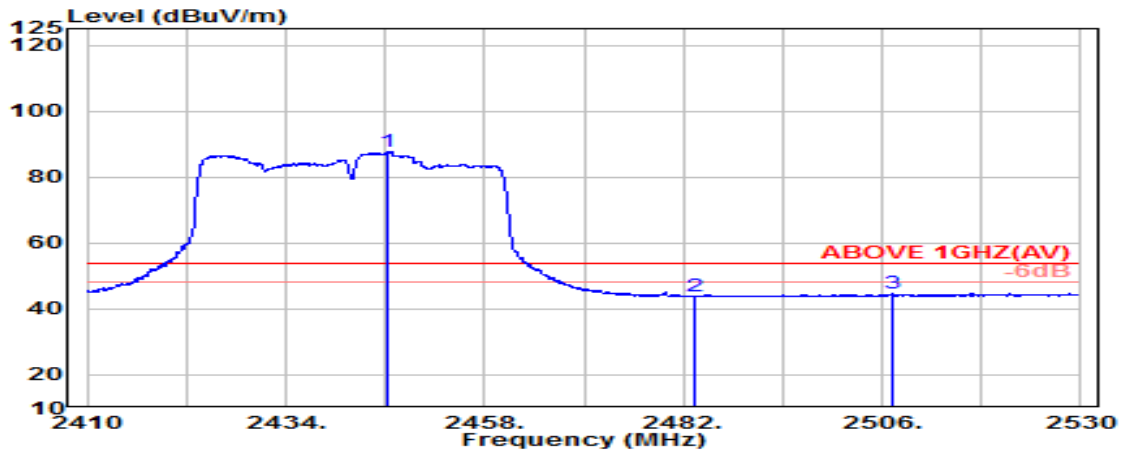
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2442MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2445.400	28.38	6.11	39.92	99.37	93.94	---	---	Peak
	2483.500	28.47	6.17	39.92	59.15	53.86	74.00	20.14	Peak
	2525.700	28.55	6.22	39.93	60.56	55.41	74.00	18.59	Peak

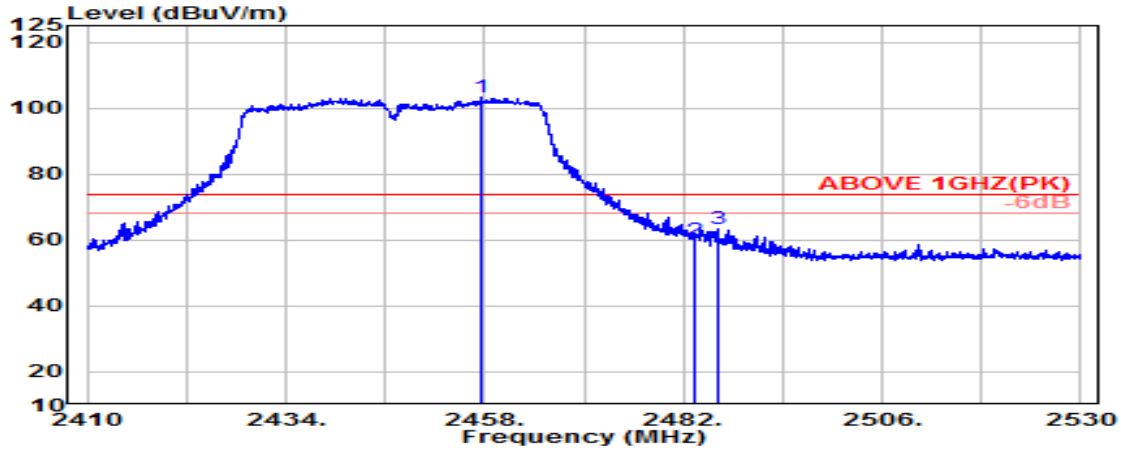


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2446.350	28.39	6.12	39.92	92.93	87.50	---	---	Average
	2483.500	28.47	6.17	39.92	49.18	43.89	54.00	10.11	Average
	2507.200	28.51	6.20	39.92	49.84	44.63	54.00	9.37	Average

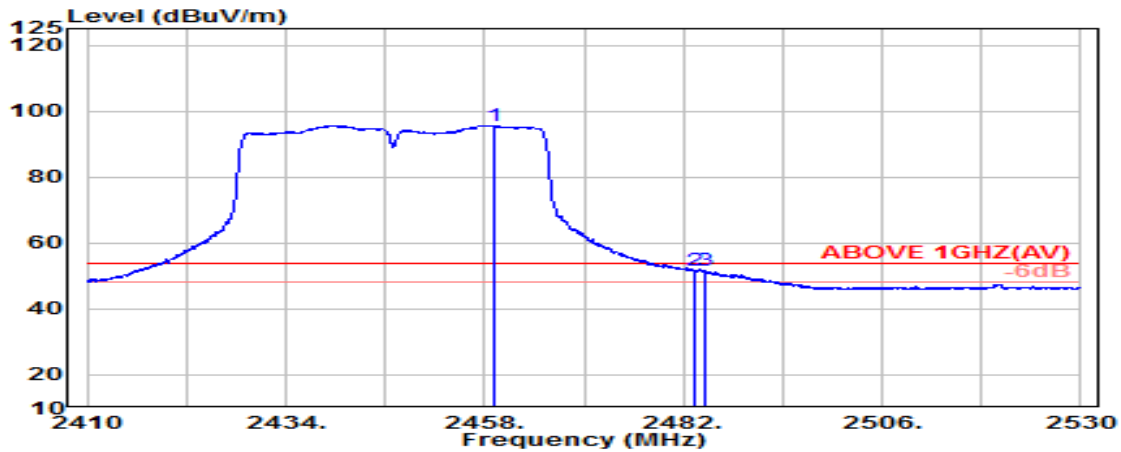
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2447MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.600	28.42	6.13	39.92	108.54	103.16	---	---	Peak
	2483.500	28.47	6.17	39.92	65.22	59.93	74.00	14.07	Peak
	2486.050	28.47	6.17	39.92	68.53	63.25	74.00	10.75	Peak

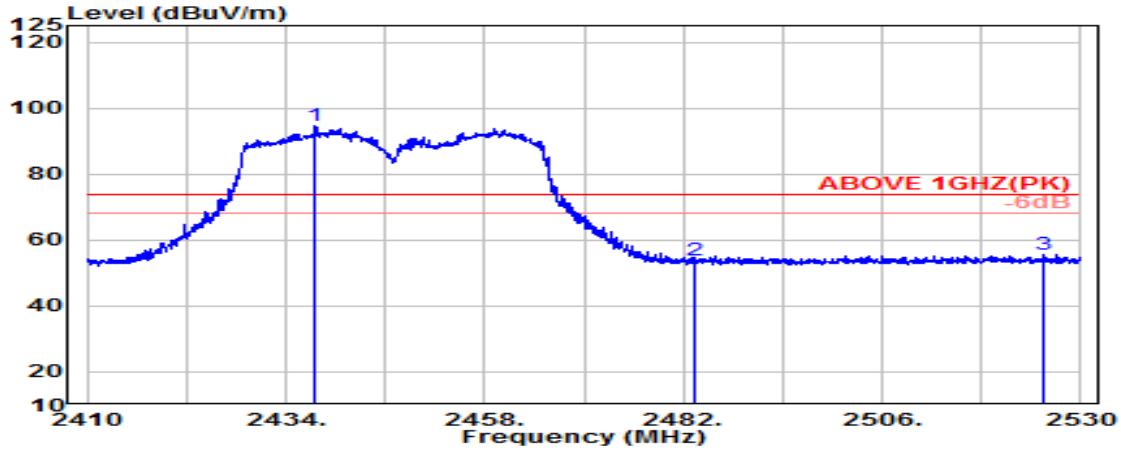


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2459.250	28.42	6.13	39.92	100.96	95.58	---	---	Average
	2483.500	28.47	6.17	39.92	56.75	51.47	54.00	2.53	Average
	2484.500	28.47	6.17	39.92	57.02	51.74	54.00	2.26	Average

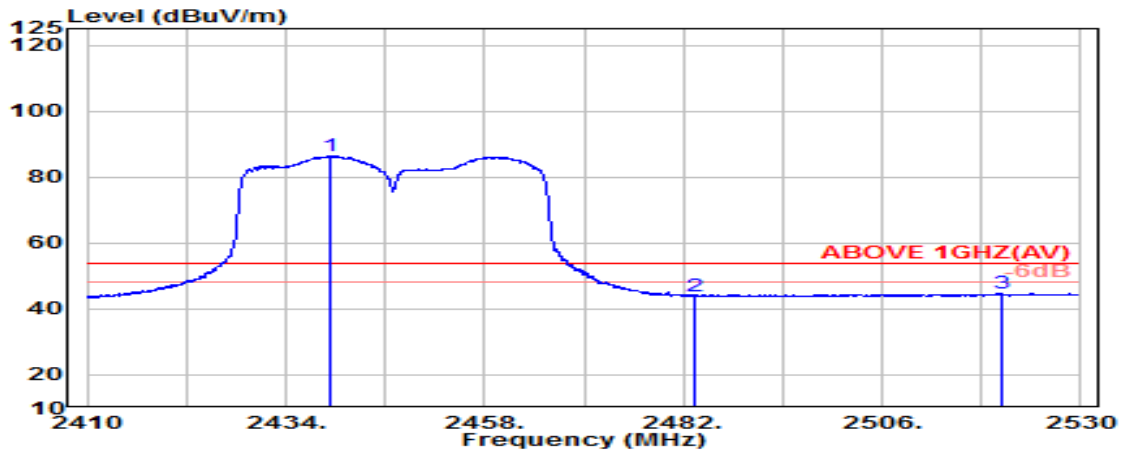
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2447MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2437.600	28.35	6.10	39.93	99.96	94.49	---	---	Peak
	2483.500	28.47	6.17	39.92	59.16	53.87	74.00	20.13	Peak
	2525.600	28.55	6.22	39.93	60.67	55.52	74.00	18.48	Peak

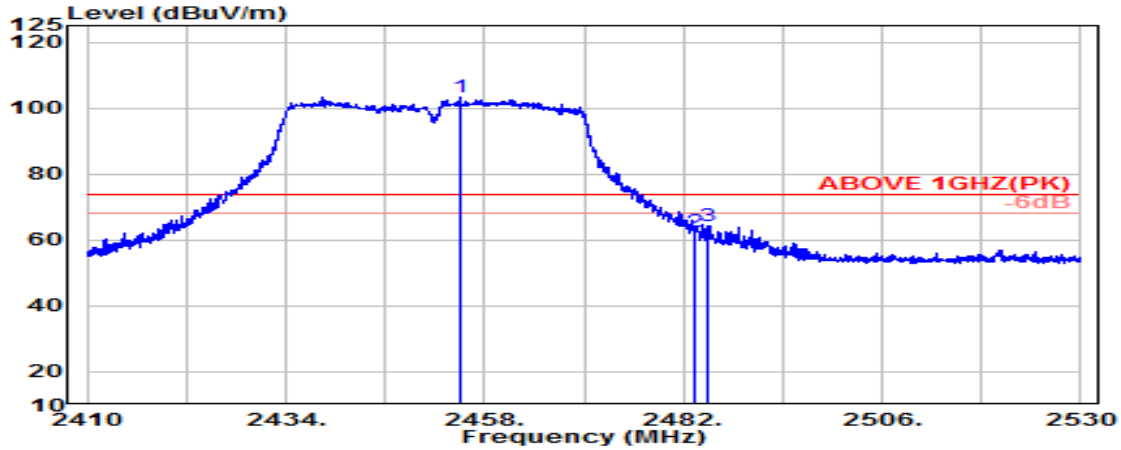


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2439.350	28.36	6.11	39.93	91.99	86.53	---	---	Average
	2483.500	28.47	6.17	39.92	49.30	44.01	54.00	9.99	Average
	2520.500	28.54	6.21	39.93	49.79	44.62	54.00	9.38	Average

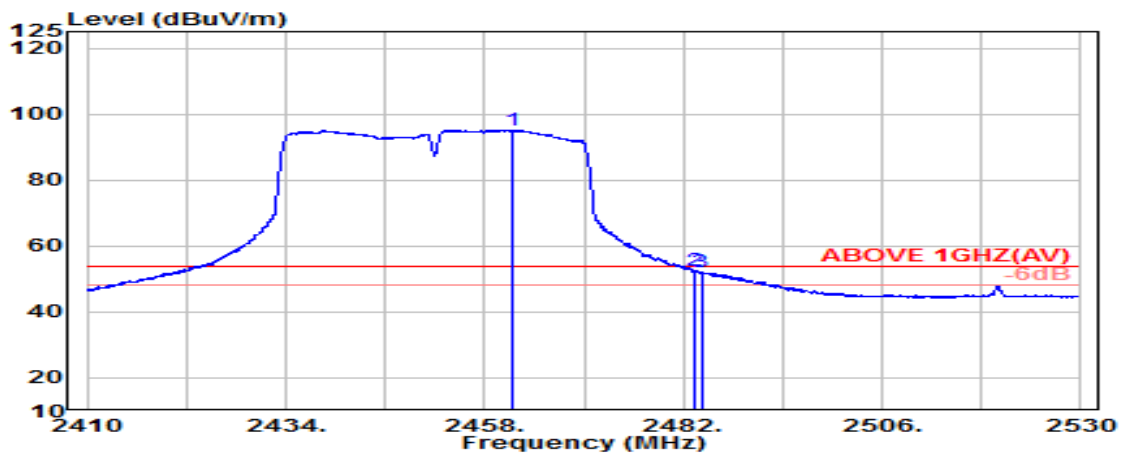
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2452MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2455.050	28.41	6.13	39.92	108.80	103.42	---	---	Peak
	2483.500	28.47	6.17	39.92	67.86	62.57	74.00	11.43	Peak
	2484.900	28.47	6.17	39.92	69.66	64.38	74.00	9.62	Peak

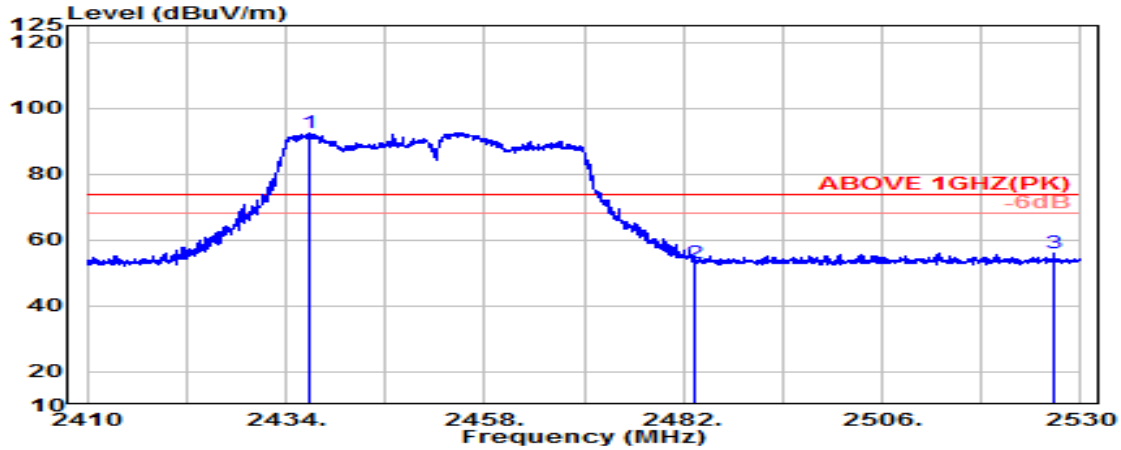


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.350	28.42	6.14	39.92	100.55	95.19	---	---	Average
	2483.500	28.47	6.17	39.92	57.69	52.40	54.00	1.60	Average
	2484.150	28.47	6.17	39.92	57.39	52.11	54.00	1.89	Average

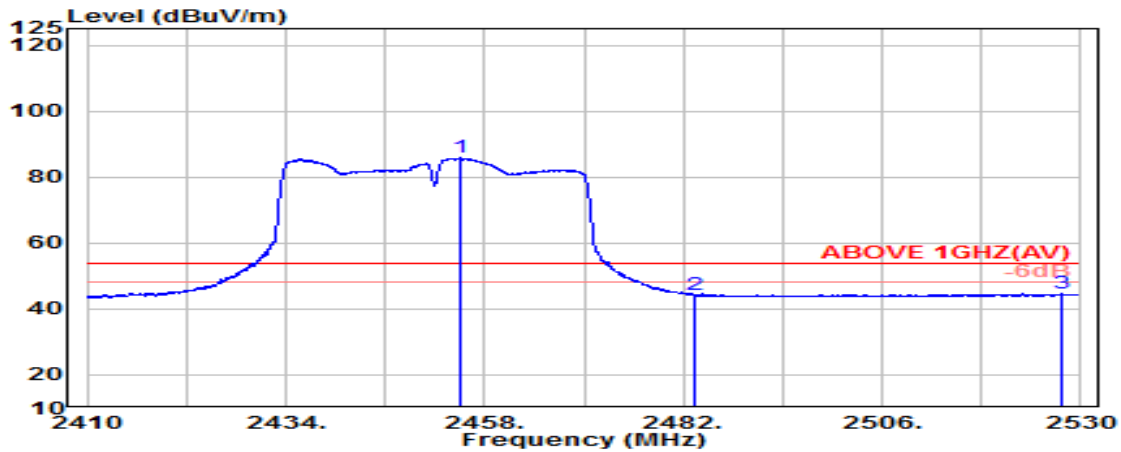
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	802.11n-HT40	Frequency	TX 2452MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2436.950	28.35	6.10	39.93	98.12	92.65	---	---	Peak
	2483.500	28.47	6.17	39.92	58.26	52.97	74.00	21.03	Peak
	2526.800	28.55	6.22	39.93	60.98	55.83	74.00	18.17	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2455.000	28.41	6.13	39.92	91.16	85.77	---	---	Average
	2483.500	28.47	6.17	39.92	49.43	44.14	54.00	9.86	Average
	2527.650	28.56	6.22	39.93	49.69	44.54	54.00	9.46	Average

Remark: The “@” means fundamental frequency, it is ignored in this section



### A.2.2 Emissions outside the frequency band:

The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	802.11b	Frequency	TX 2462MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4924.000	33.60	8.40	39.33	46.95	49.62	54.00	4.38	Peak
7386.000	36.67	9.97	39.56	44.37	51.45	54.00	2.55	Peak

#### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4924.000	33.60	8.40	39.33	42.64	45.31	54.00	8.69	Peak
7386.000	36.67	9.97	39.56	44.79	51.87	54.00	2.13	Peak

Mode	802.11g	Frequency	TX 2437MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4874.000	33.40	8.37	39.36	41.63	44.04	54.00	9.96	Peak

#### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4874.000	33.40	8.37	39.36	41.83	44.25	54.00	9.75	Peak

Mode	802.11n-HT20	Frequency	TX 2457MHz
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#### Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4914.000	33.56	8.40	39.34	40.76	43.37	54.00	10.63	Peak

#### Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4914.000	33.56	8.40	39.34	41.55	44.16	54.00	9.84	Peak

Mode	802.11n-HT40	Frequency	TX 2432MHz
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**Antenna at Horizontal Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
4864.000	33.36	8.36	39.36	41.42	43.78	54.00	10.22	Peak

**Antenna at Vertical Polarization**

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dB $\mu$ V)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Detector
4864.000	33.36	8.36	39.36	41.32	43.68	54.00	10.32	Peak

**A.2.3 Emissions in Non-restricted Frequency Bands:**

Pursuant to ANSI C63.10:2013 that emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9 table 4 general radiated emissions limits is not required.

### A.3 DTS/OCCUPIED BANDWIDTH

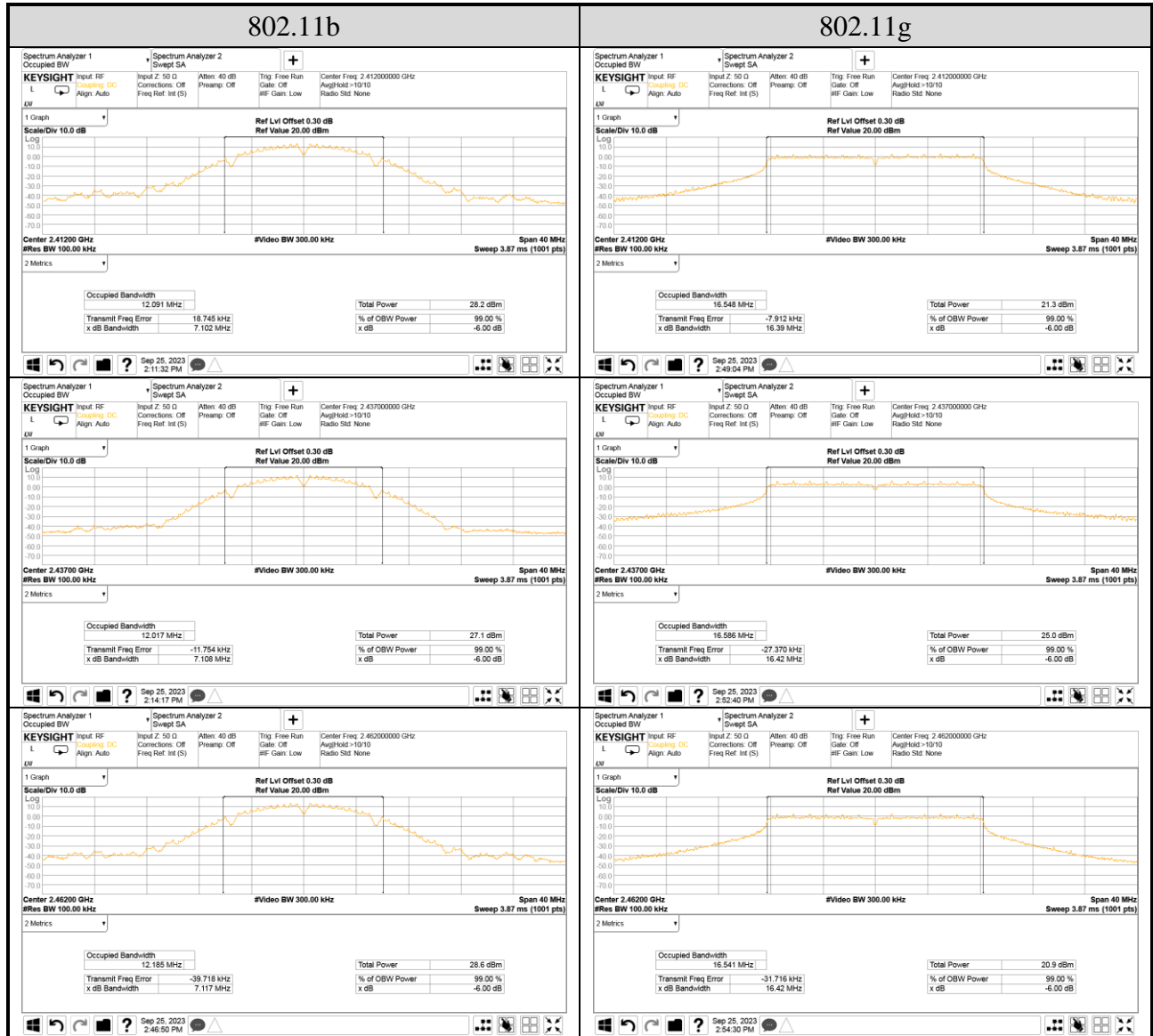
Test Date	2023/09/25~26	Temp./Hum.	24°C/48~51%
Cable Loss	0.30dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

#### A.3.1 DTS/Occupied Bandwidth Result

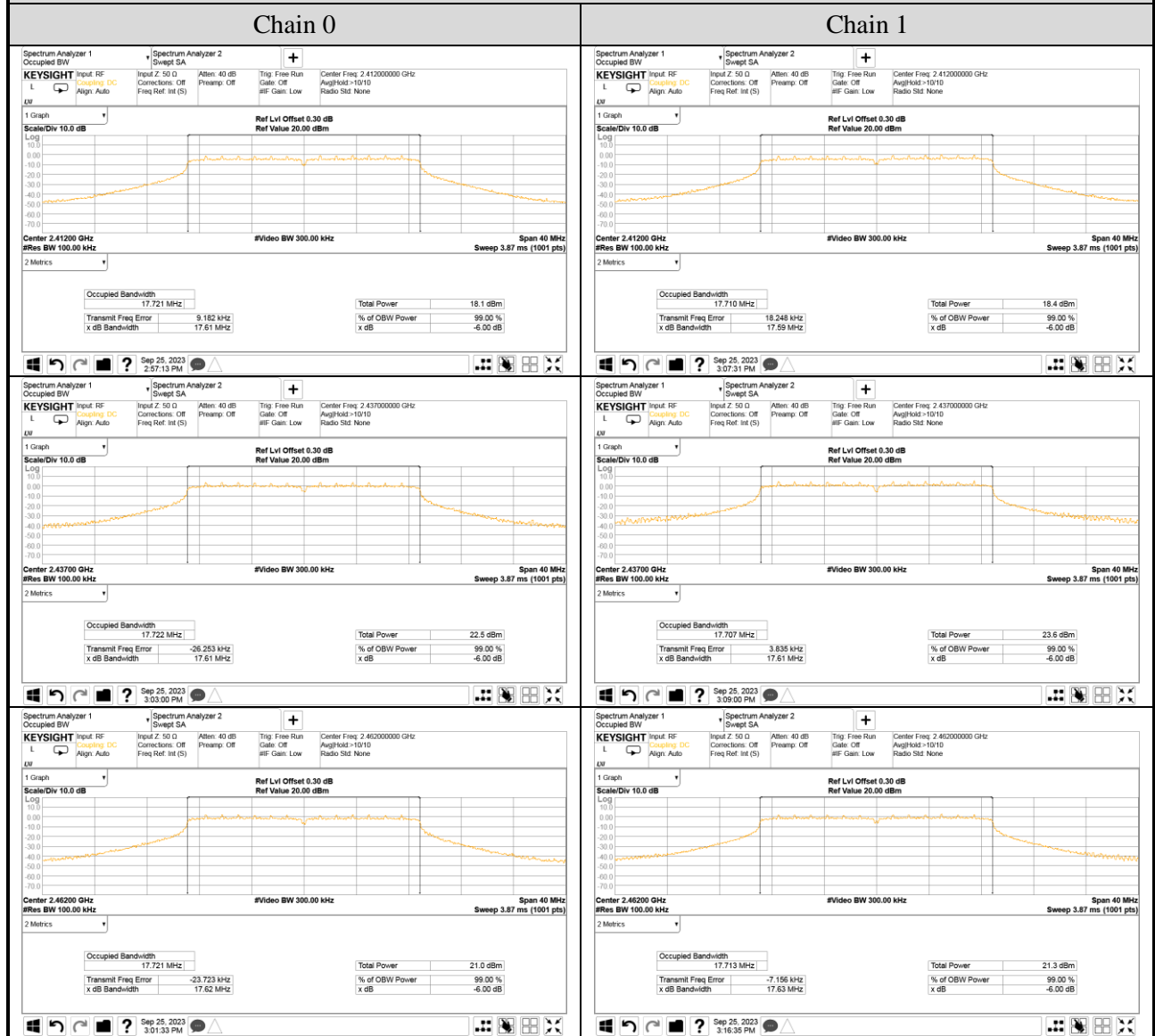
Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Limit
802.11b	2412	7.102	>500kHz
	2437	7.108	
	2462	7.117	
802.11g	2412	16.39	>500kHz
	2437	16.42	
	2462	16.42	

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)		Limit
		Chain 0	Chain 1	
802.11n-HT20	2412	17.61	17.59	>500kHz
	2437	17.61	17.61	
	2462	17.62	17.63	
802.11n-HT40	2422	36.05	35.80	>500kHz
	2437	36.34	36.05	
	2452	36.35	36.30	

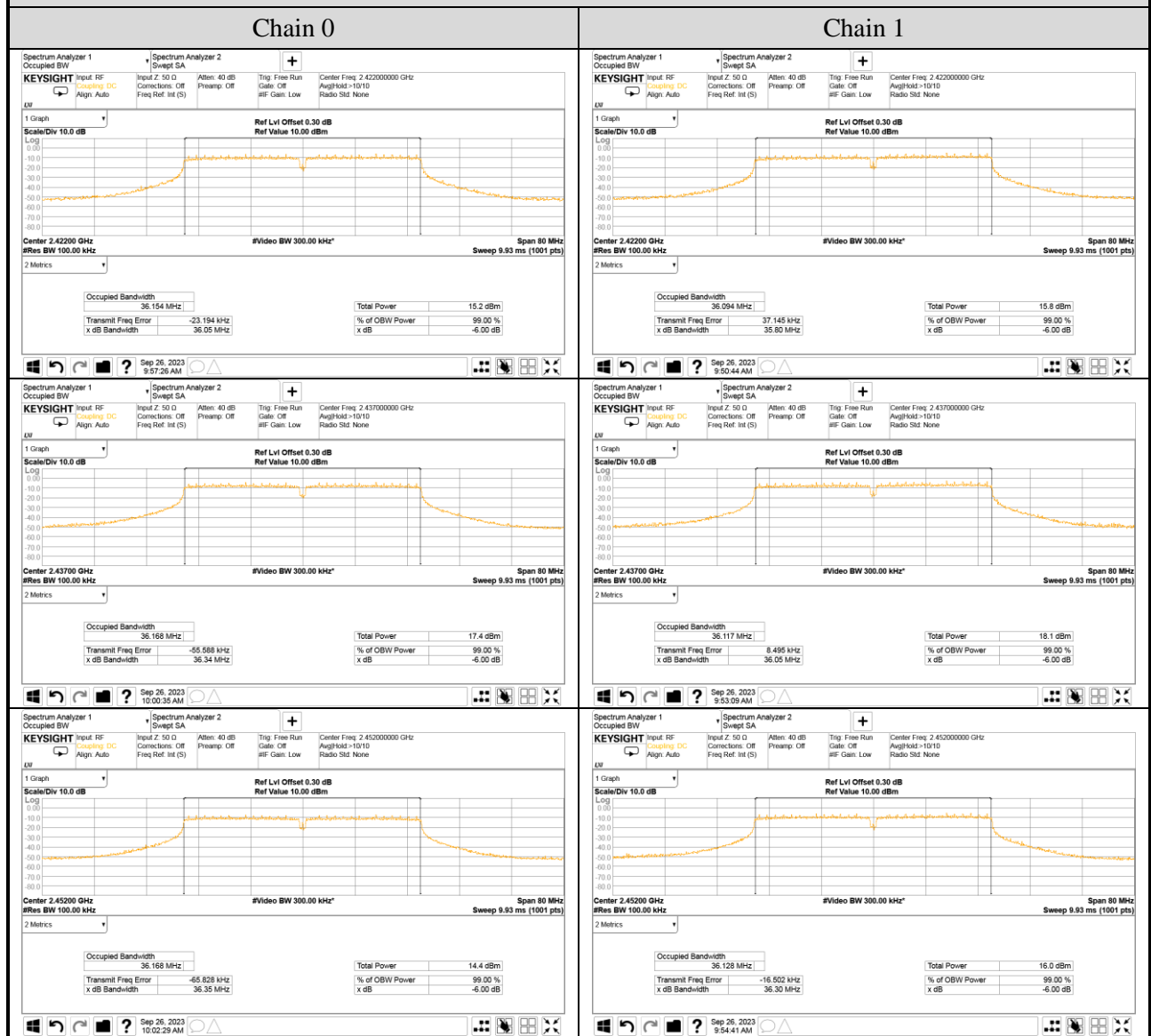
A.3.2 Measurement Plots



802.11n-HT20



802.11n-HT40



## A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2023/09/25	Temp./Hum.	24°C/51%
Cable Loss	0.30dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

### A.4.1 Peak Output Power

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Max. Peak Output Power		Limit
		Chain 0	Chain 1	(dBm)	(W)	
802.11b	2412	24.02	--	24.02	0.252	< 30dBm (1W)
	2437	23.49	--	23.49	0.223	
	2462	24.27	--	24.27	0.267	
802.11g	2412	24.22	--	24.22	0.264	
	2417	25.34	--	25.34	0.342	
	2437	26.09	--	26.09	0.406	
	2457	25.36	--	25.36	0.344	
	2462	24.36	--	24.36	0.273	

Note: The results have been included cable loss.

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Total Peak Output Power		Limit
		Chain 0	Chain 1	(dBm)	(W)	
802.11n-HT20	2412	21.71	21.38	24.56	0.286	< 28.99dBm Note 2
	2417	24.50	24.69	27.61	0.577	
	2437	25.02	24.81	27.93	0.621	
	2457	25.06	25.32	28.20	0.661	
	2462	23.52	23.25	26.40	0.437	
802.11n-HT40	2422	21.31	21.75	24.55	0.285	< 28.99dBm Note 2
	2427	21.70	22.31	25.03	0.318	
	2432	23.03	23.86	26.48	0.445	
	2437	22.75	23.80	26.32	0.429	
	2442	22.26	23.00	25.66	0.368	
	2447	20.76	22.38	24.66	0.292	
	2452	19.72	21.78	23.88	0.244	

Note: 1. The results have been included cable loss.

2: 802.11n Directional gain is 7.01dBi > 6dBi, the limit is  $30 - (7.01 - 6) = 28.99\text{dBm}$

**● Original FCC ID Peak Output Power**

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Max. Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11b	2412	24.15	--	24.15	0.260
	2437	23.60	--	23.60	0.229
	2462	24.52	--	24.52	0.283
802.11g	2412	25.26	--	25.26	0.336
	2437	26.34	--	26.34	0.431
	2462	25.44	--	25.44	0.350

Modulation Type	Centre Frequency (MHz)	Output Power (dBm)		Total Peak Output Power	
		Chain 0	Chain 1	(dBm)	(W)
802.11n-HT20	2412	24.09	24.38	27.25	0.531
	2437	25.23	25.40	28.33	0.681
	2462	23.74	23.83	26.80	0.479
802.11n-HT40	2422	21.97	22.81	25.42	0.348
	2437	25.04	25.50	28.29	0.675
	2452	22.54	24.04	26.36	0.433



#### A.4.2 Average Output Power (Reporting only)

Modulation Type	Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor $10\log(1/X)$	Max. Average Output Power		Limit
		Chain 0	Chain 1		(dBm)	(W)	
802.11b	2412	20.88	--	N/A	20.88	0.122	< 30dBm (1W)
	2437	20.32	--		20.32	0.108	
	2462	21.31	--		21.31	0.135	
802.11g	2412	14.04	--	N/A	14.04	0.025	
	2417	16.13	--		16.13	0.041	
	2437	17.71	--		17.71	0.059	
	2457	16.25	--		16.25	0.042	
	2462	14.32	--		14.32	0.027	

Note: The results have been included cable loss.

Modulation Type	Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor $10\log(1/X)$	Total Average Output Power		Limit
		Chain 0	Chain 1		(dBm)	(W)	
802.11n-HT20	2412	14.65	14.21	0.092	17.54	0.057	< 28.99dBm Note 2
	2417	14.83	15.38		18.22	0.066	
	2437	15.28	15.27		18.38	0.069	
	2457	15.64	16.33		19.10	0.081	
	2462	12.88	12.92		16.00	0.040	
802.11n-HT40	2422	10.65	11.33	0.414	14.15	0.026	< 28.99dBm Note 2
	2427	11.06	11.47		14.42	0.028	
	2432	12.32	13.49		16.10	0.041	
	2437	12.23	13.10		15.84	0.038	
	2442	11.26	12.44		15.04	0.032	
	2447	9.93	11.76		14.09	0.026	
	2452	9.37	10.88		13.34	0.022	

Note: 1. The results have been included cable loss.

2: 802.11n Directional gain is 7.01dBi > 6dBi, the limit is  $30 - (7.01-6) = 28.99\text{dBm}$

● **Original FCC ID Average Output Power (Reporting only)**

Modulation Type	Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor $10\log(1/X)$	Max. Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11b	2412	21.51	--	N/A	21.51	0.142
	2437	20.77	--		20.77	0.119
	2462	21.93	--		21.93	0.156
802.11g	2412	18.28	--	N/A	18.28	0.067
	2437	23.37	--		23.37	0.217
	2462	18.46	--		18.46	0.070

Modulation Type	Centre Frequency (MHz)	Average Output Power (dBm)		Duty Cycle Factor $10\log(1/X)$	Total Average Output Power	
		Chain 0	Chain 1		(dBm)	(W)
802.11n-HT20	2412	15.11	15.20	N/A	18.17	0.066
	2437	22.06	22.54		25.32	0.340
	2462	14.96	14.91		17.95	0.062
802.11n-HT40	2422	12.70	13.17	N/A	15.95	0.039
	2437	22.08	22.65		25.38	0.345
	2452	13.58	14.10		16.86	0.049

## A.5 POWER SPECTRAL DENSITY

Test Date	2023/09/25~26	Temp./Hum.	24°C/48~51%
Cable Loss	0.30dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

### A.5.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	-0.60	<8 dBm/3kHz
	2437	-1.45	
	2462	-0.70	
802.11g	2412	-10.73	<8 dBm/3kHz
	2437	-7.84	
	2462	-11.20	

Note: 1. All results have been included cable loss and Simultaneous Factor.

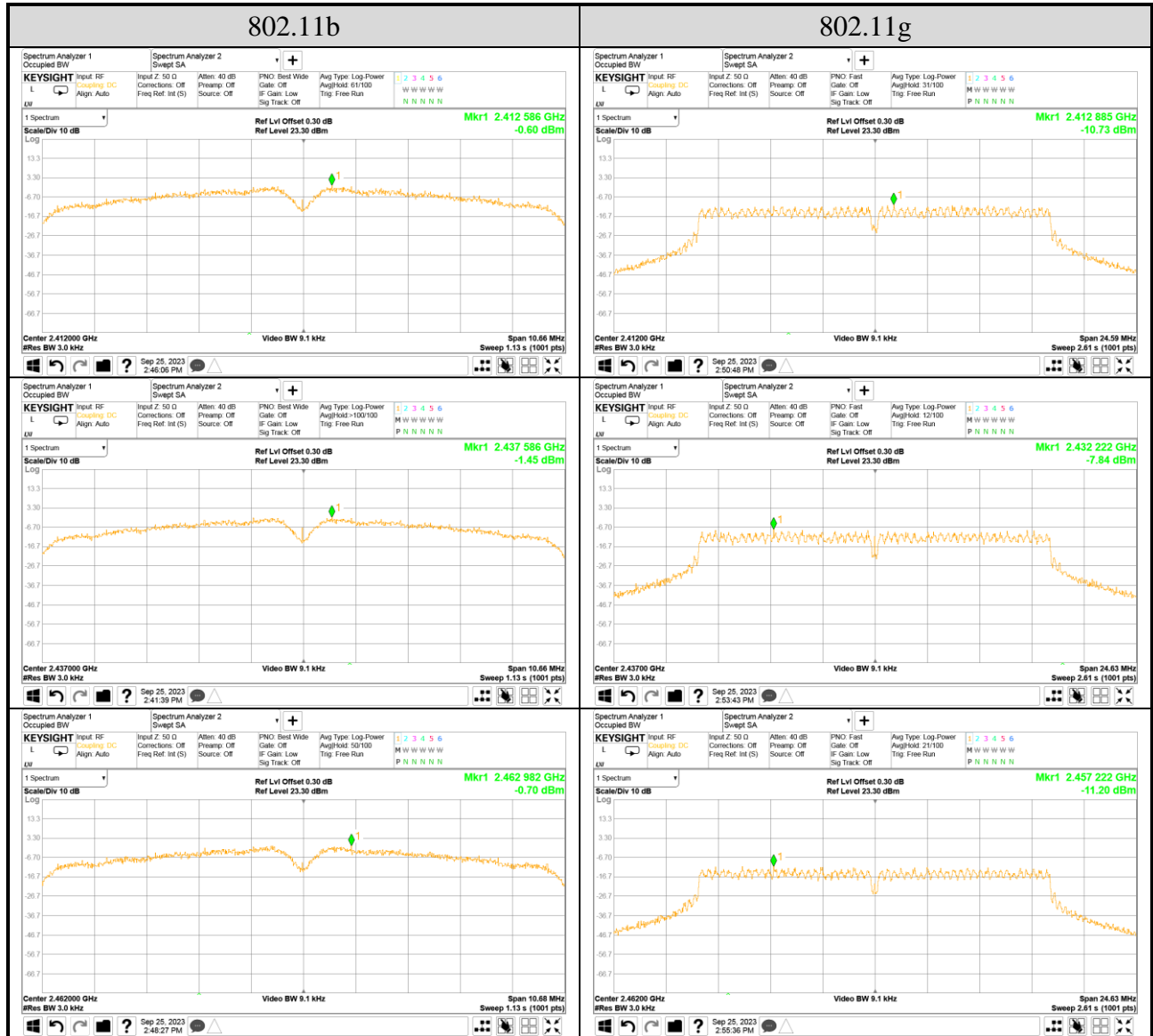
Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)		Limit
		Chain 0	Chain 1	
802.11n-HT20	2412	-14.76	-14.48	<8 dBm/3kHz
	2437	-20.21	-8.57	
	2462	-11.34	-10.95	
802.11n-HT40	2422	-16.30	-15.76	<8 dBm/3kHz
	2437	-15.90	-14.22	
	2452	-18.08	-17.94	

Note: 1. All results have been included cable loss and Simultaneous Factor.

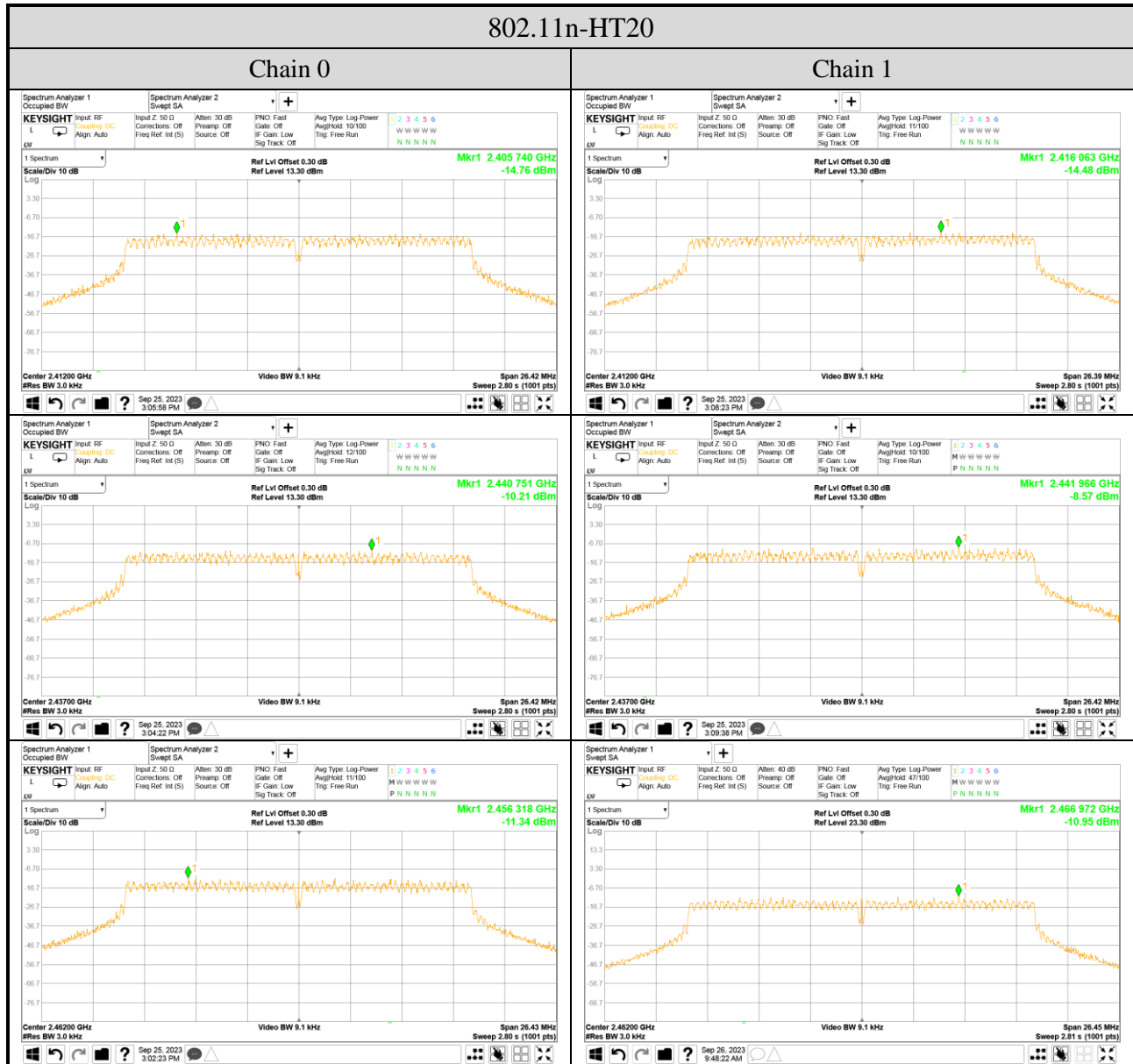
Audix Technology Corp.  
 No. 491, Zhongfu Rd., Linkou Dist.,  
 New Taipei City 244, Taiwan

Tel: +886 2 26099301  
 Fax: +886 2 26099303

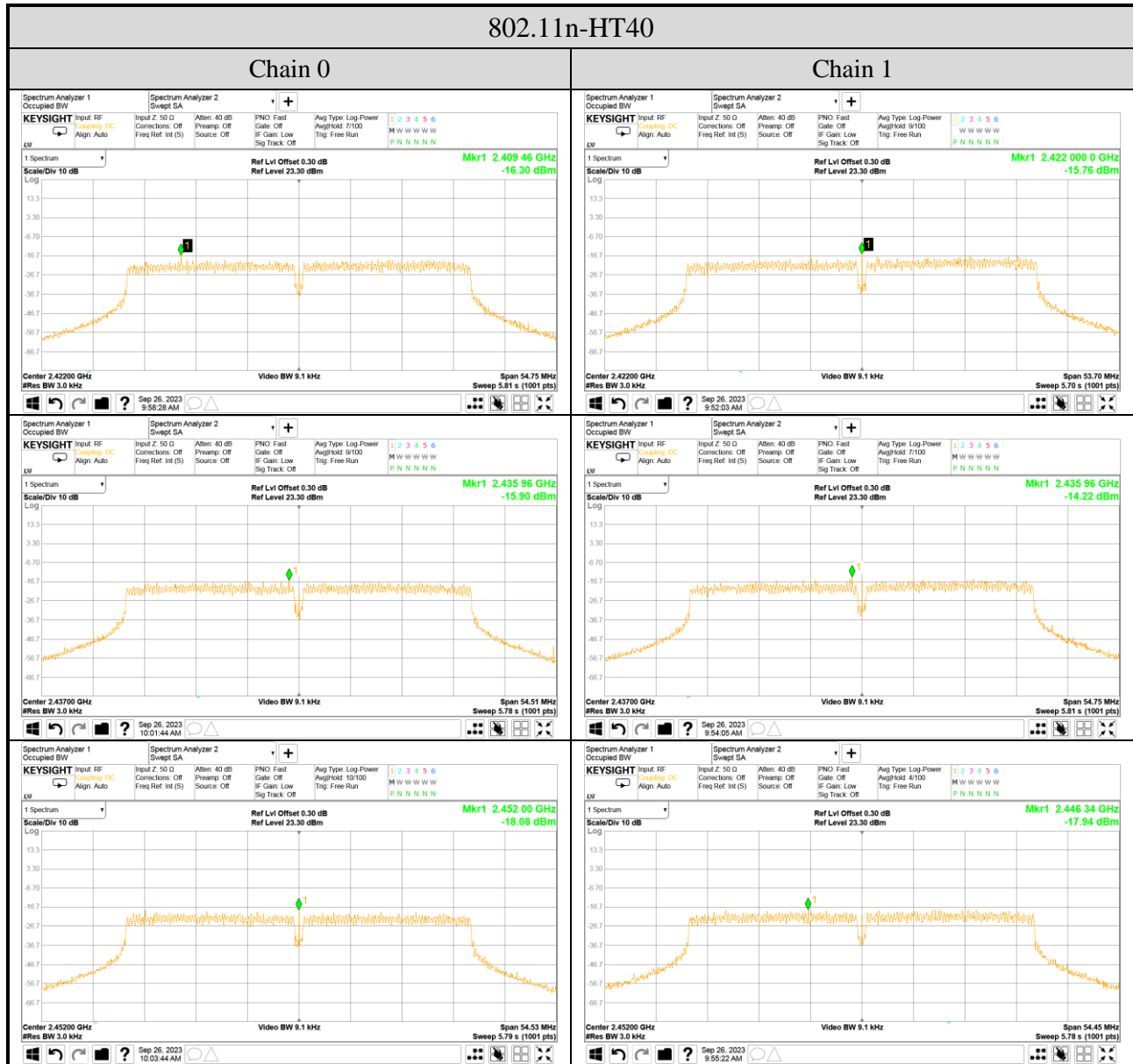
A.5.2 Measurement Plots



Note: All results have been included cable loss.



Note: All results have been included cable loss.



Note: All results have been included cable loss.