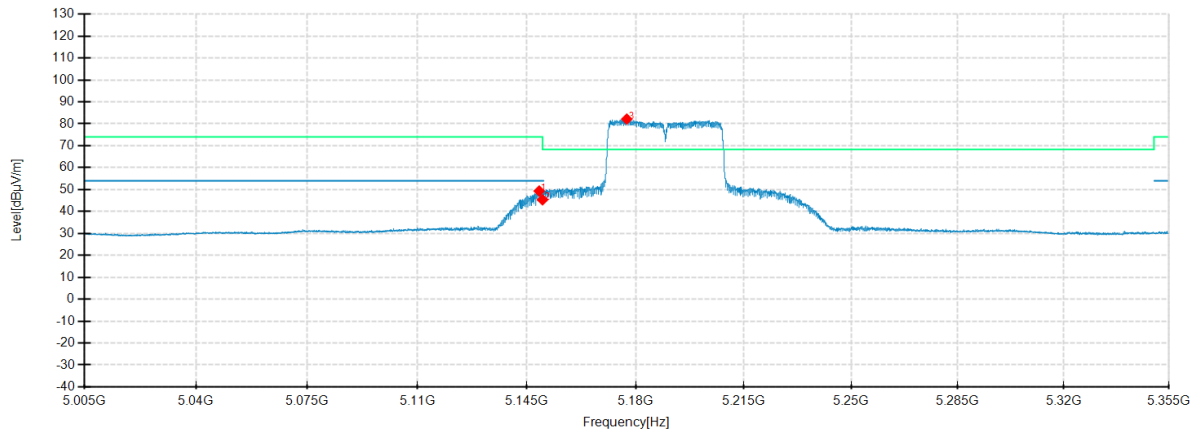


IEEE 802.11n HT40 mode ANT2

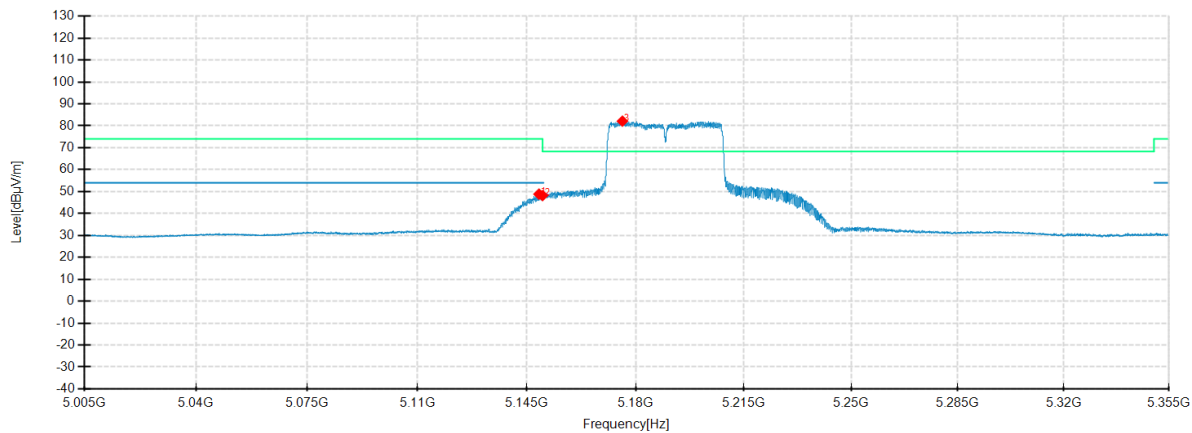
Frequency 5190MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

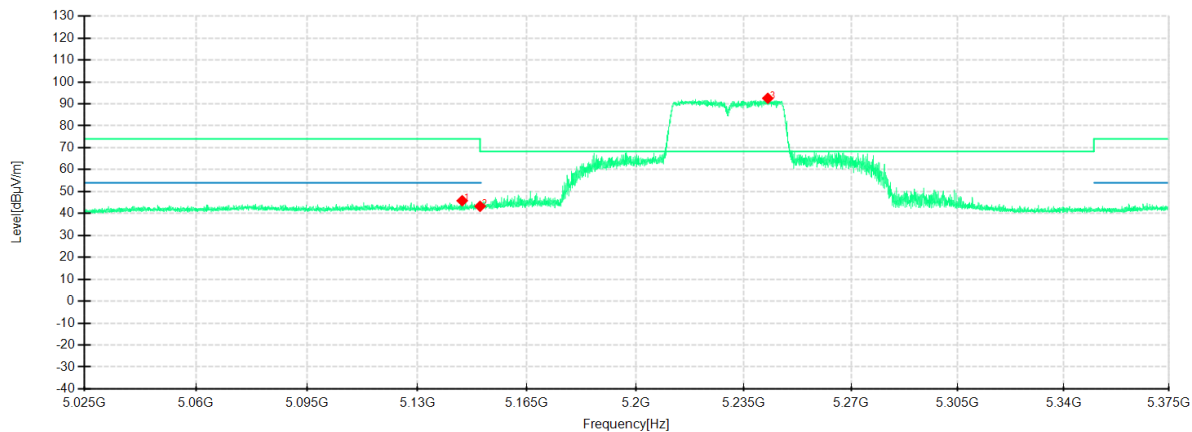


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5148.9200	53.35	49.33	-4.02	54.00	4.67	200	228	Horizontal	/
2	5150.0000	49.38	45.35	-4.03	54.00	8.65	100	272	Horizontal	/
3	5177.0950	85.71	82.15	-3.56	-	-	200	228	Horizontal	No limit
1	5148.8500	52.86	48.84	-4.02	54.00	5.16	200	228	Vertical	/
2	5150.0000	52.20	48.17	-4.03	54.00	5.83	200	228	Vertical	/
3	5175.6950	85.61	82.12	-3.49	-	-	200	228	Vertical	No limit

IEEE 802.11n HT40 mode ANT2

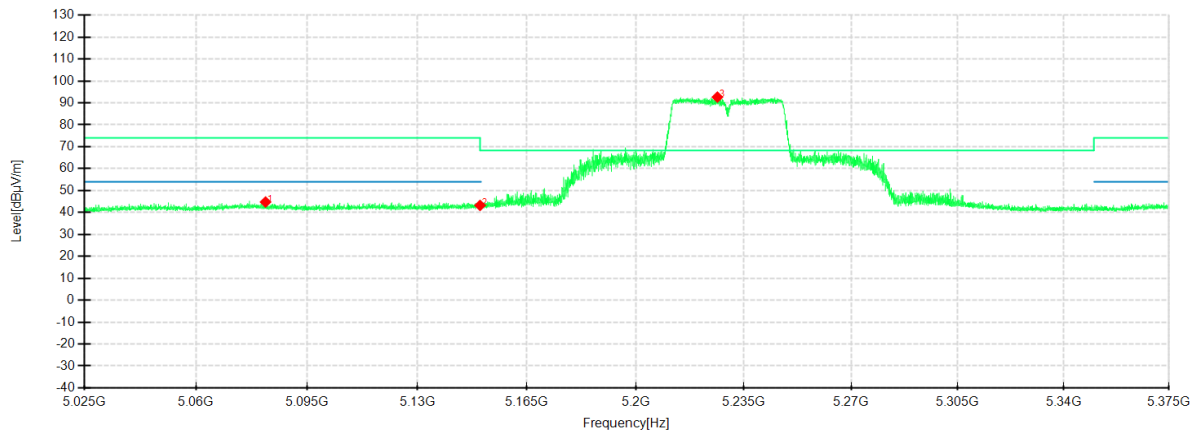
Frequency 5230MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

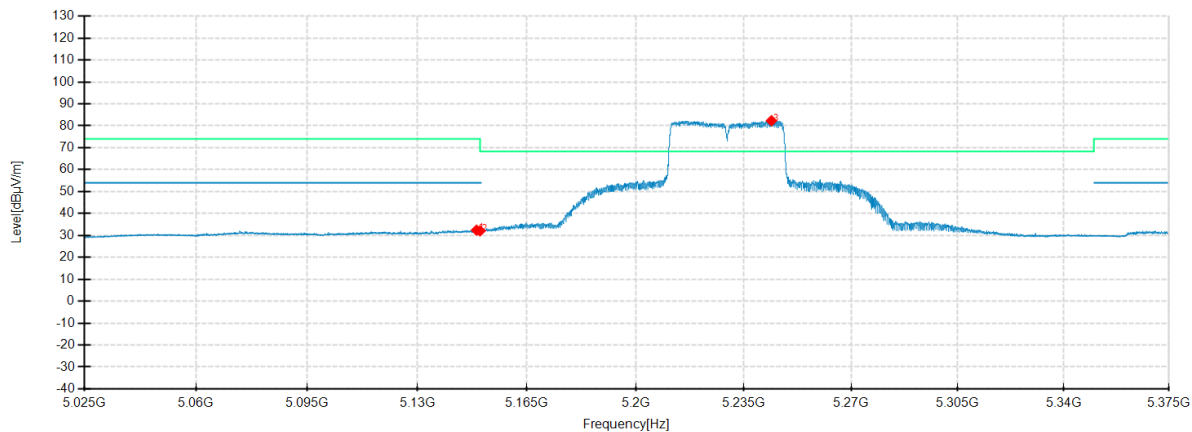


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5144.2800	49.81	45.82	-3.99	74.00	28.18	100	324	Horizontal	/
2	5150.0000	47.31	43.28	-4.03	68.30	25.02	200	252	Horizontal	/
3	5242.8050	96.27	92.54	-3.73	68.30	-24.24	200	221	Horizontal	No limit
1	5081.8750	48.38	44.78	-3.60	74.00	29.22	200	66	Vertical	/
2	5150.0000	47.26	43.23	-4.03	68.30	25.07	100	230	Vertical	/
3	5226.4250	95.84	92.63	-3.21	68.30	-24.33	100	261	Vertical	No limit

IEEE 802.11n HT40 mode ANT2

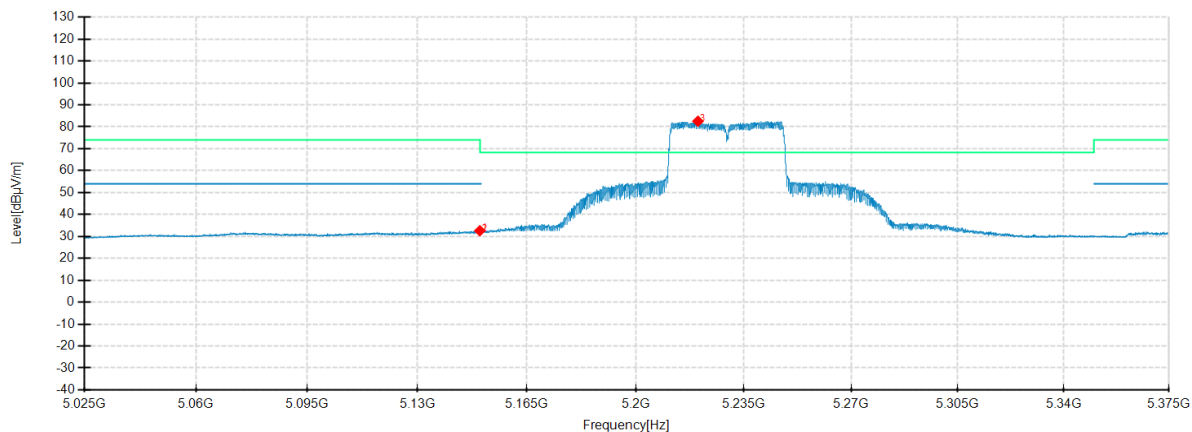
Frequency 5230MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

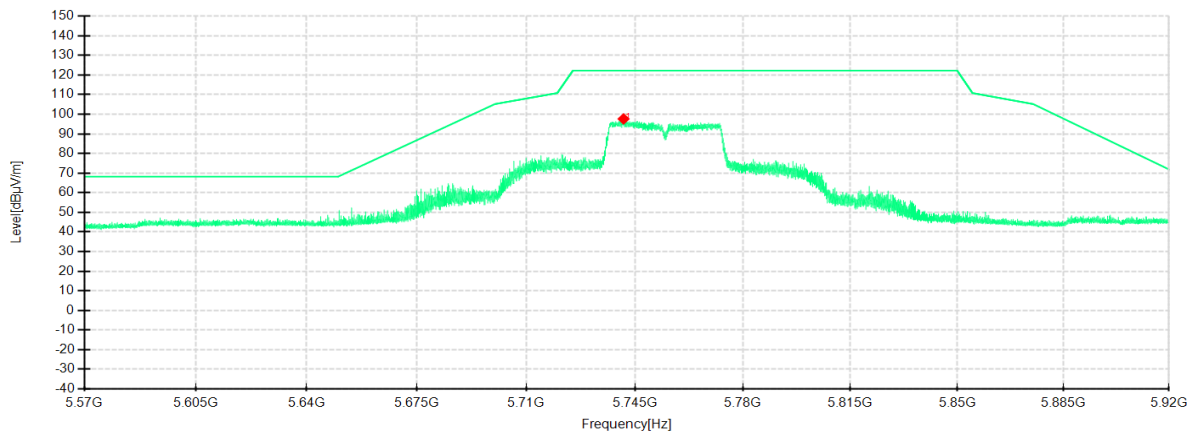


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5148.8650	36.41	32.39	-4.02	54.00	21.61	100	251	Horizontal	/
2	5150.0000	36.12	32.09	-4.03	54.00	21.91	100	270	Horizontal	/
3	5243.9950	86.07	82.32	-3.75	-	-	200	208	Horizontal	No limit
1	5149.9150	36.62	32.59	-4.03	54.00	21.41	100	260	Vertical	/
2	5150.0000	36.46	32.43	-4.03	54.00	21.57	100	260	Vertical	/
3	5220.1250	85.70	82.55	-3.15	-	-	200	212	Vertical	No limit

IEEE 802.11n HT40 mode ANT2

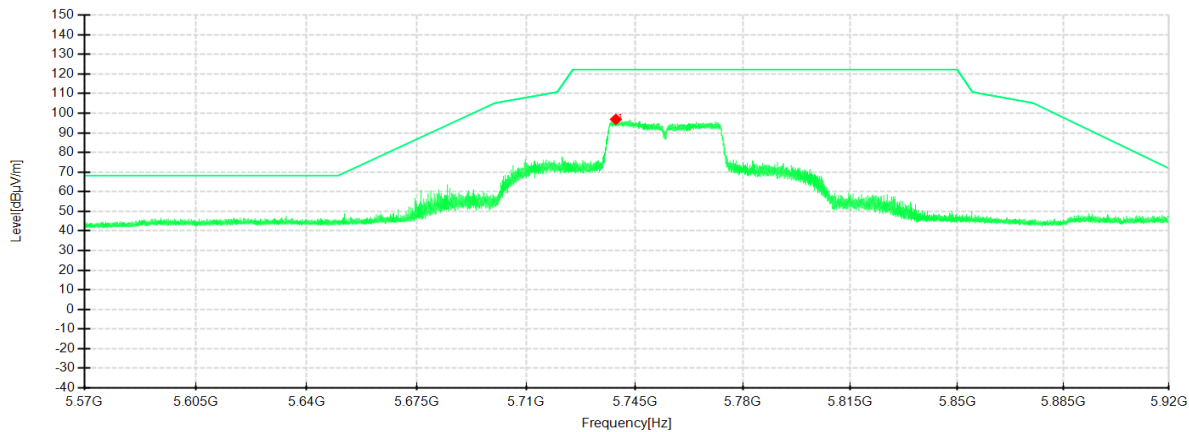
Frequency 5755MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

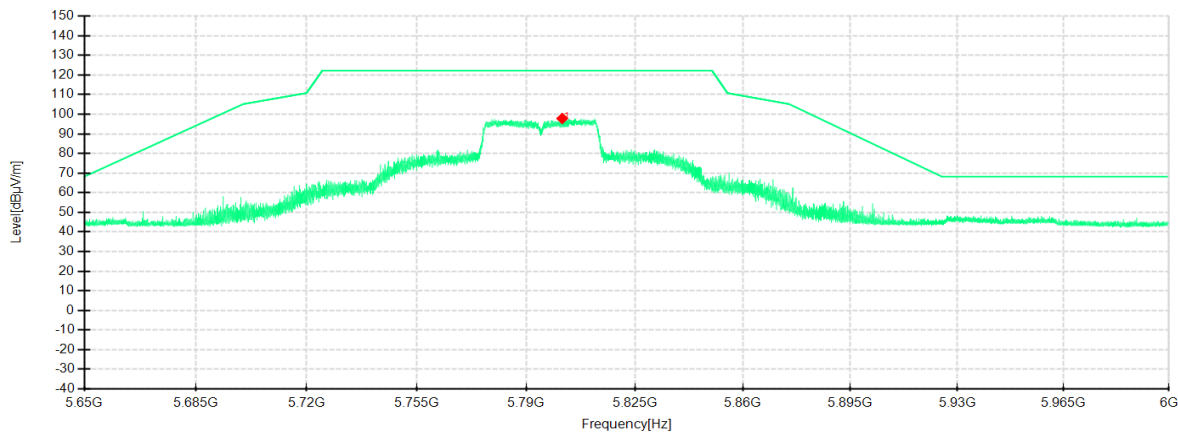


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5741.3600	100.55	97.62	-2.93	122.20	24.58	100	189	Horizontal	/
1	5738.8575	99.50	96.87	-2.63	122.20	25.33	100	158	Vertical	/

IEEE 802.11n HT40 mode ANT2

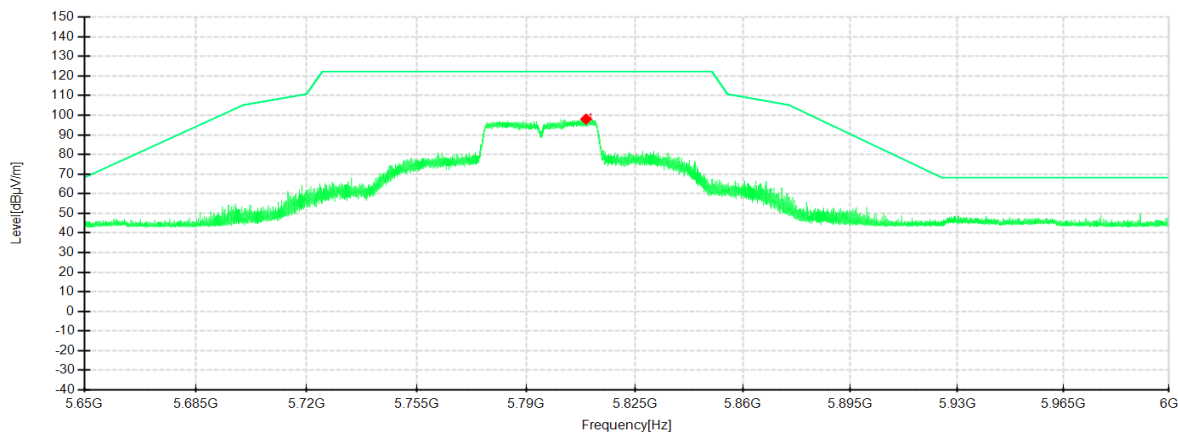
Frequency 5795MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

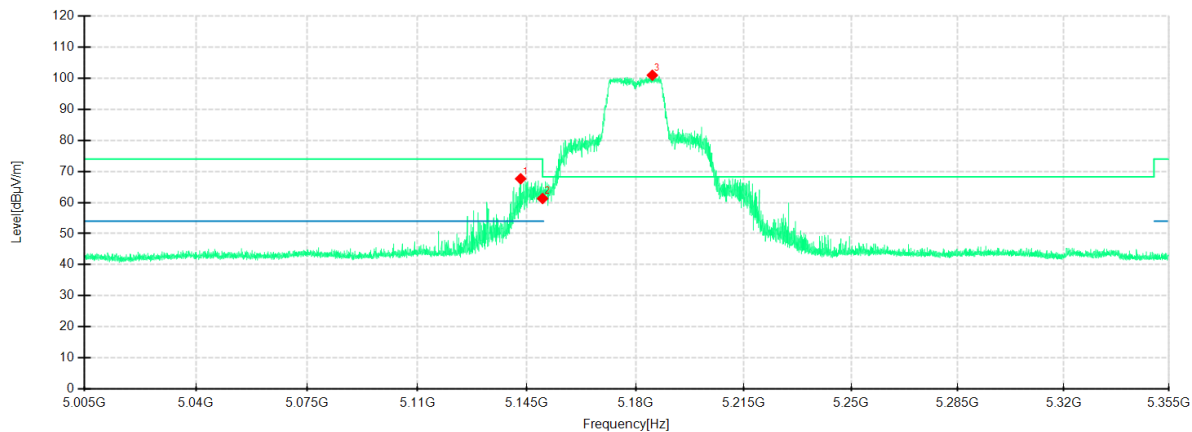


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5801.6375	100.99	97.84	-3.15	122.20	24.36	100	174	Horizontal	/
1	5809.3200	100.81	98.02	-2.79	122.20	24.18	100	156	Vertical	/

IEEE 802.11ac VHT20 mode ANT2

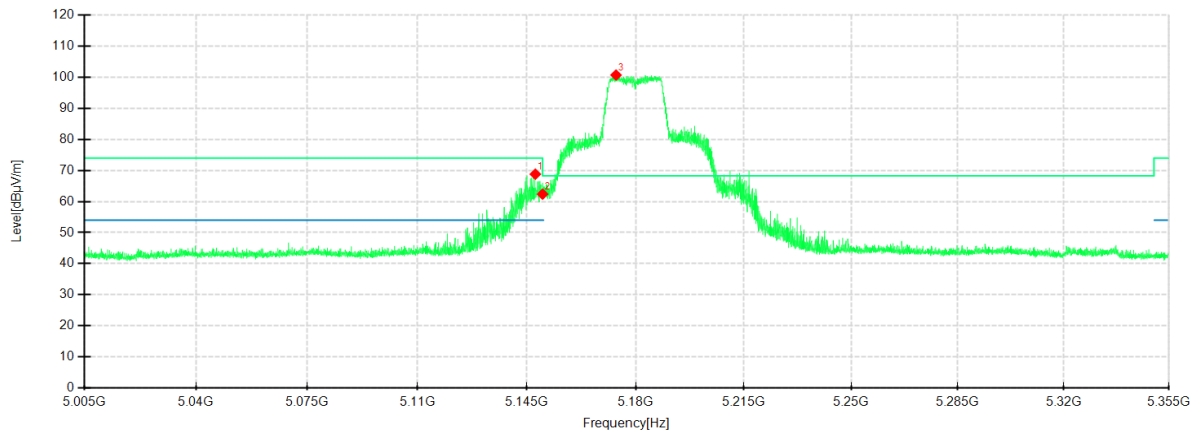
Frequency 5180MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

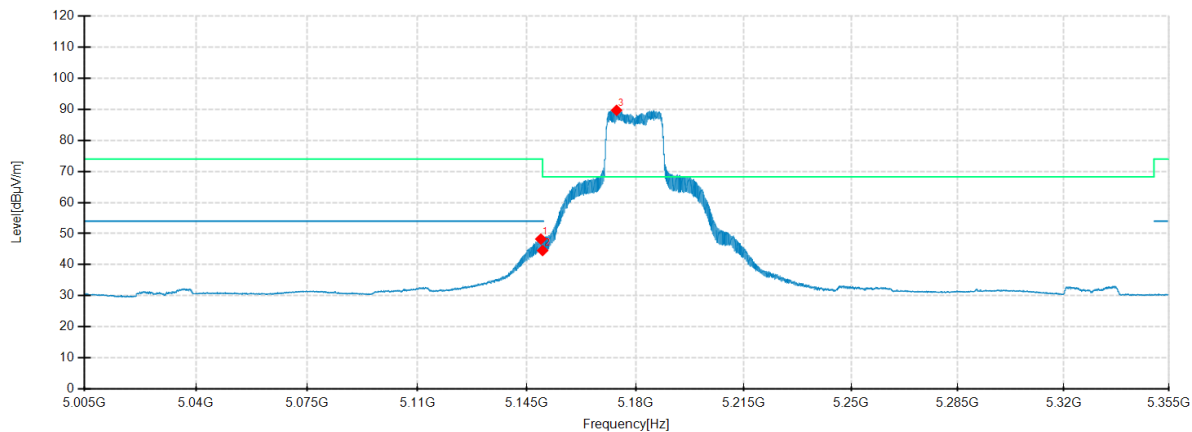


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5142.9700	71.63	67.65	-3.98	74.00	6.35	100	232	Horizontal	/
2	5150.0000	65.32	61.29	-4.03	68.30	7.01	100	232	Horizontal	/
3	5185.3550	104.40	100.98	-3.42	68.30	-32.68	100	232	Horizontal	No limit
1	5147.6950	72.82	68.81	-4.01	74.00	5.19	100	223	Vertical	/
2	5150.0000	66.41	62.38	-4.03	68.30	5.92	200	233	Vertical	/
3	5173.6300	104.25	100.72	-3.53	68.30	-32.42	100	223	Vertical	No limit

IEEE 802.11ac VHT20 mode ANT2

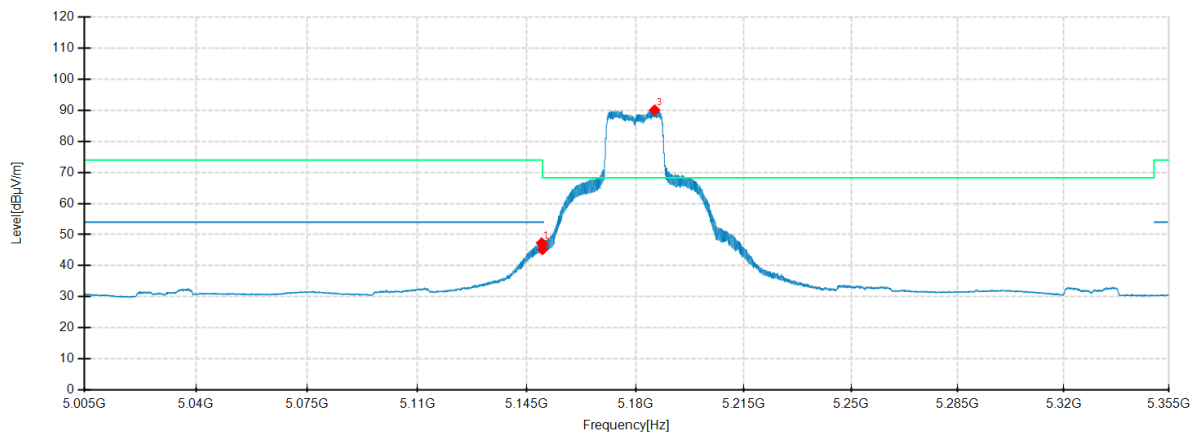
Frequency 5180MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.4450	52.28	48.25	-4.03	54.00	5.75	200	236	Horizontal	/
2	5150.0000	48.58	44.55	-4.03	54.00	9.45	200	236	Horizontal	/
3	5173.8050	93.31	89.69	-3.62	-	-	200	222	Horizontal	No limit
1	5149.6900	51.32	47.29	-4.03	54.00	6.71	100	236	Vertical	/
2	5150.0000	49.26	45.23	-4.03	54.00	8.77	100	236	Vertical	/
3	5186.0900	93.34	90.07	-3.27	-	-	100	223	Vertical	No limit

IEEE 802.11ac VHT20 mode ANT2

Frequency 5240MHz

Environment: 24.2°C/58%RH/101.0kPa

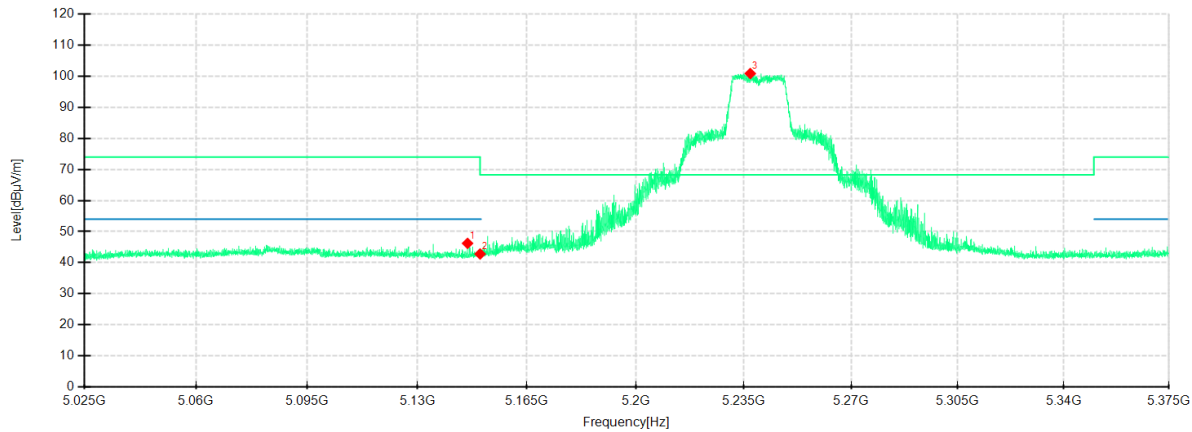
Tested By: Qin Tingting

Detector mode: Peak

Voltage: DC 12V

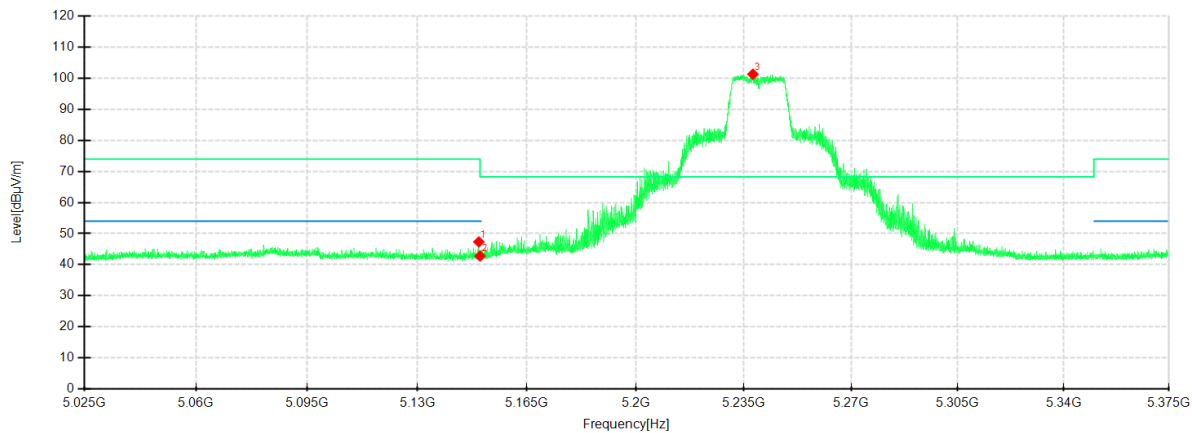
Date: 2024-08-30

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

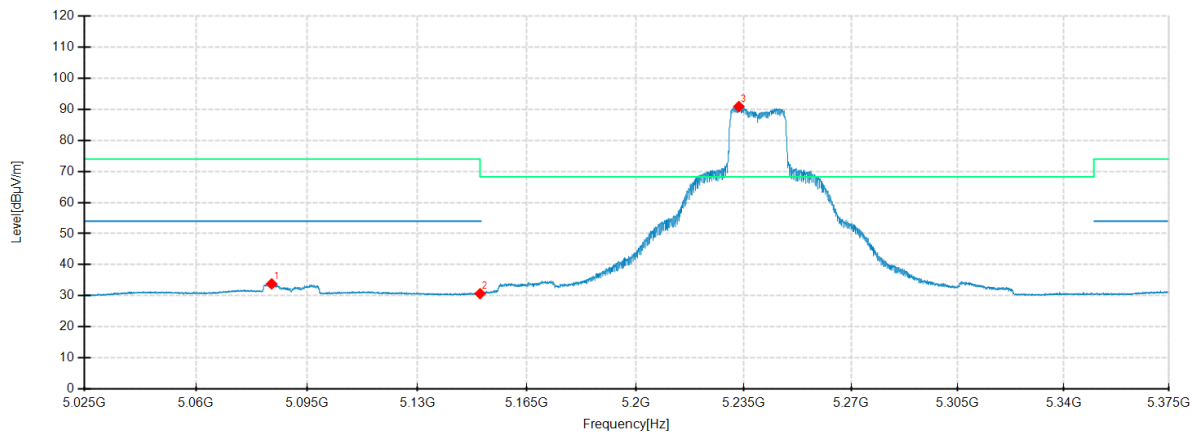


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5145.9950	50.22	46.22	-4.00	74.00	27.78	100	233	Horizontal	/
2	5150.0000	46.83	42.80	-4.03	68.30	25.50	100	233	Horizontal	/
3	5237.1000	104.54	100.89	-3.65	68.30	-32.59	100	220	Horizontal	No limit
1	5149.6000	51.36	47.33	-4.03	74.00	26.67	200	208	Vertical	/
2	5150.0000	46.81	42.78	-4.03	68.30	25.52	100	134	Vertical	/
3	5237.9750	104.62	101.31	-3.31	68.30	-33.01	200	221	Vertical	No limit

IEEE 802.11ac VHT20 mode ANT2

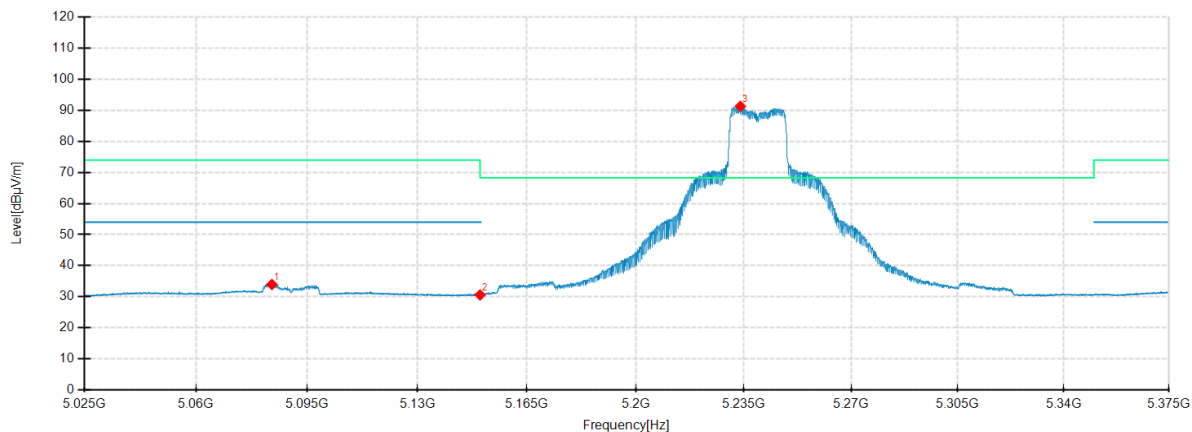
Frequency 5240MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

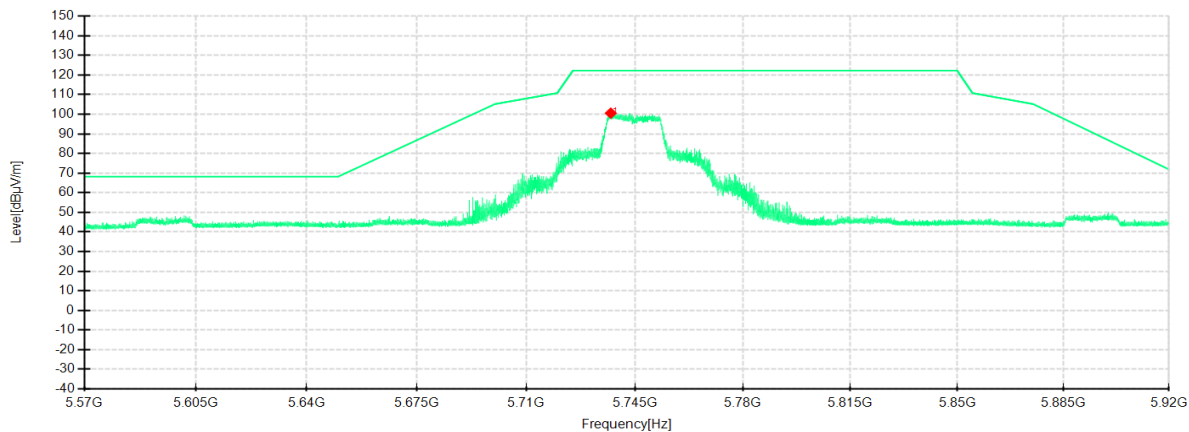


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5083.8000	37.51	33.81	-3.70	54.00	20.19	100	220	Horizontal	/
2	5150.0000	34.69	30.66	-4.03	54.00	23.34	100	195	Horizontal	/
3	5233.3900	94.51	90.91	-3.60	-	-	100	220	Horizontal	No limit
1	5083.8700	37.55	33.95	-3.60	54.00	20.05	200	231	Vertical	/
2	5150.0000	34.60	30.57	-4.03	54.00	23.43	100	94	Vertical	/
3	5233.8800	94.58	91.31	-3.27	-	-	100	219	Vertical	No limit

IEEE 802.11ac VHT20 mode ANT2

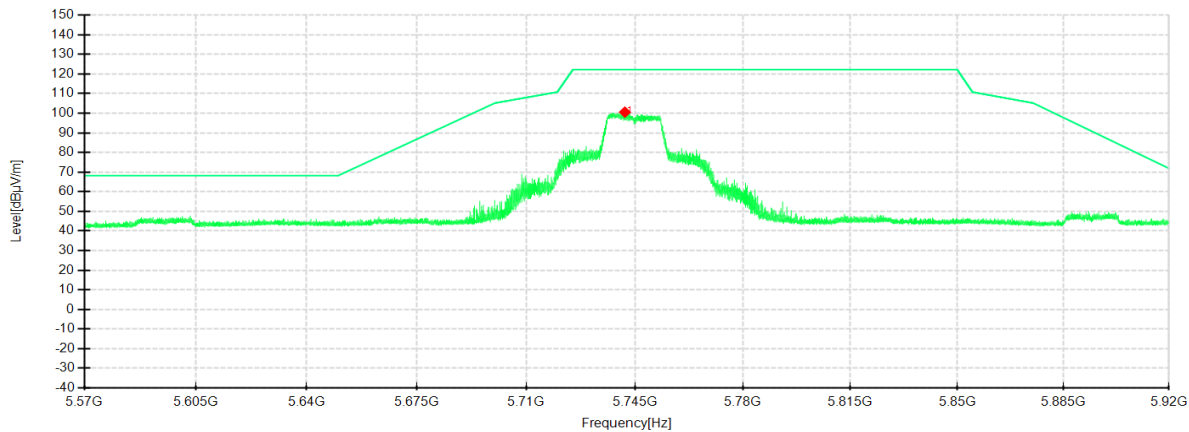
Frequency 5745MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

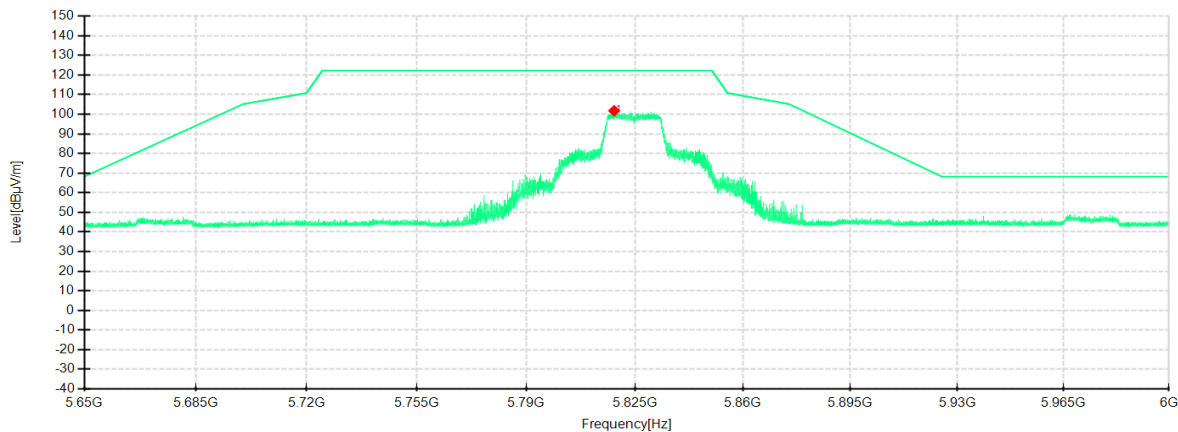


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5737.2300	103.46	100.55	-2.91	122.20	21.65	100	175	Horizontal	/
1	5741.7800	103.19	100.55	-2.64	122.20	21.65	100	156	Vertical	/

IEEE 802.11ac VHT20 mode ANT2

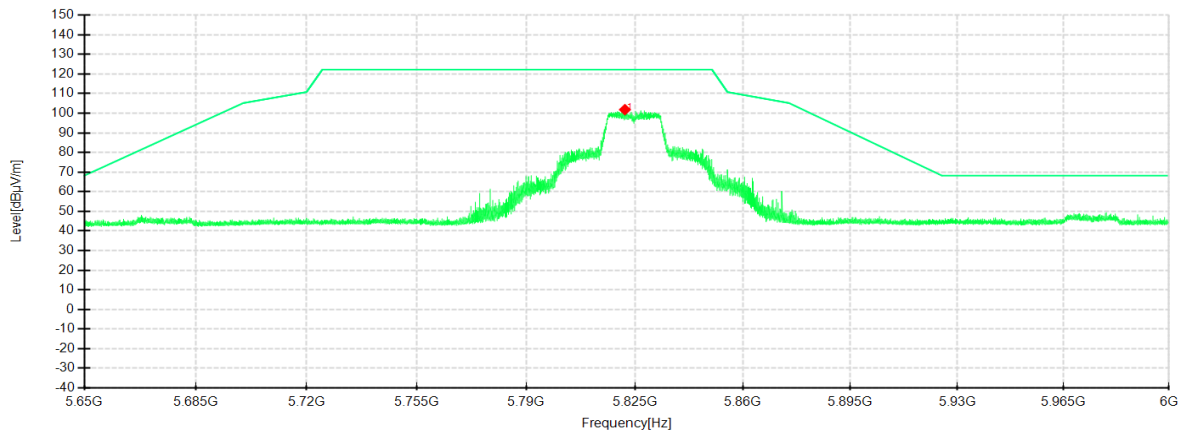
Frequency 5825MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

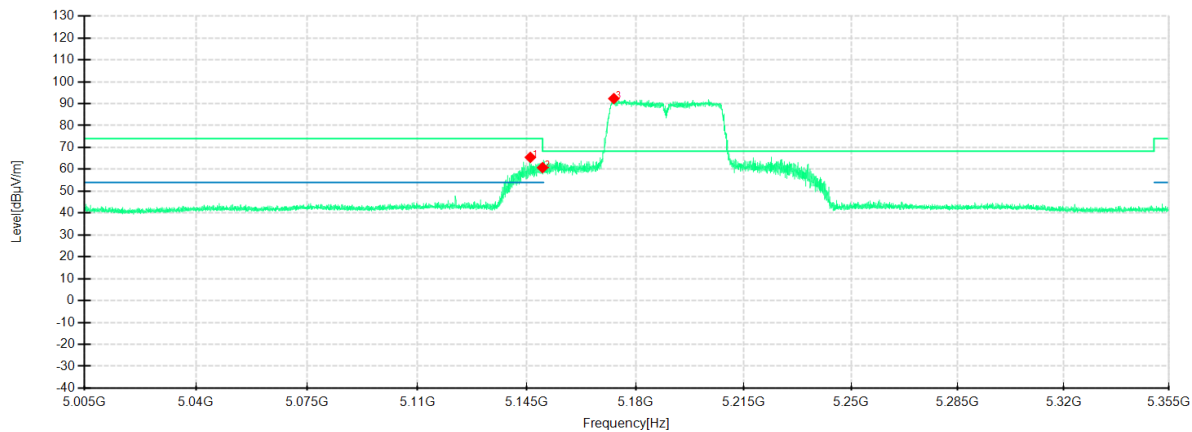


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5818.3500	104.51	101.76	-2.75	122.20	20.44	100	172	Horizontal	/
1	5821.8325	104.36	101.84	-2.52	122.20	20.36	100	147	Vertical	/

IEEE 802.11ac VHT40 mode ANT2

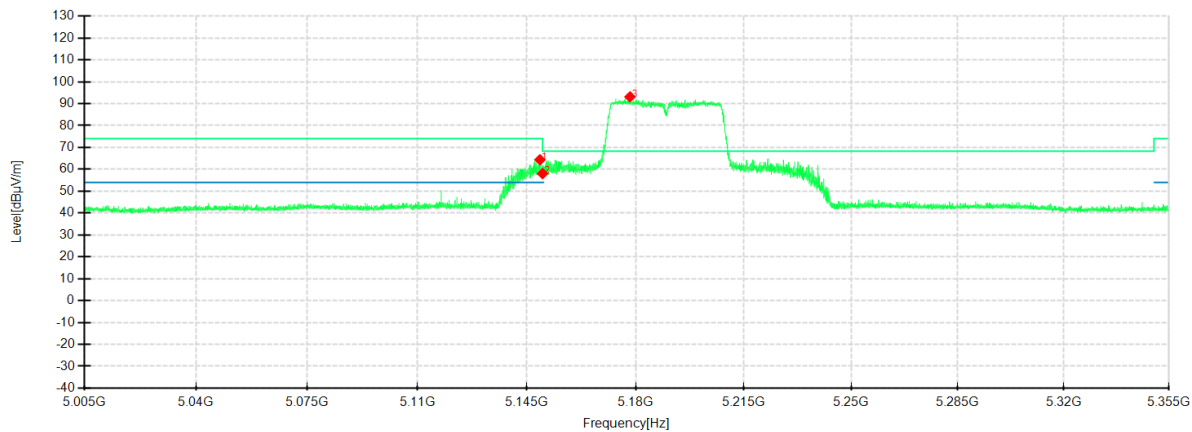
Frequency 5190MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

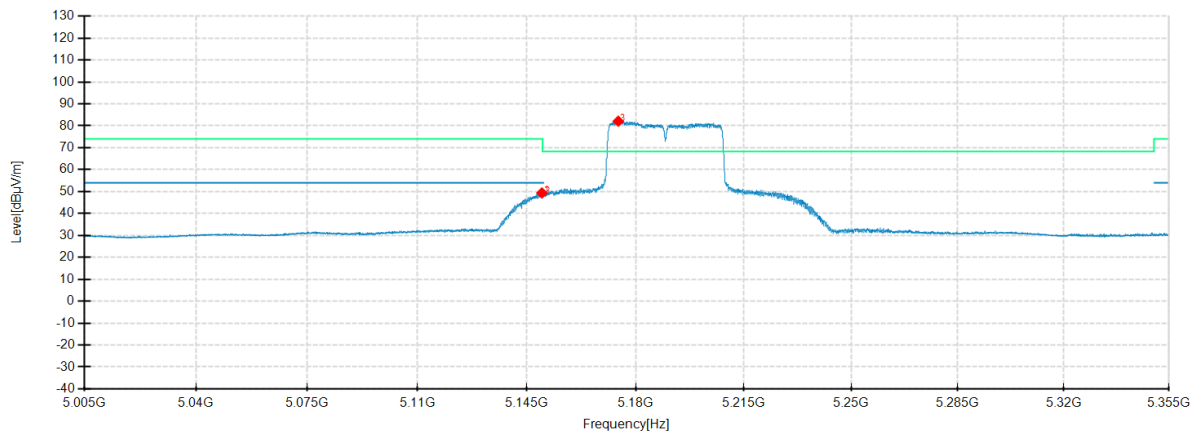


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5146.0850	69.45	65.45	-4.00	74.00	8.55	100	262	Horizontal	/
2	5150.0000	64.79	60.76	-4.03	68.30	7.54	200	222	Horizontal	/
3	5172.9300	95.96	92.32	-3.64	68.30	-24.02	200	222	Horizontal	No limit
1	5149.1650	68.38	64.36	-4.02	74.00	9.64	200	217	Vertical	/
2	5150.0000	62.06	58.03	-4.03	68.30	10.27	100	270	Vertical	/
3	5178.1450	96.55	93.12	-3.43	68.30	-24.82	200	217	Vertical	No limit

IEEE 802.11ac VHT40 mode ANT2

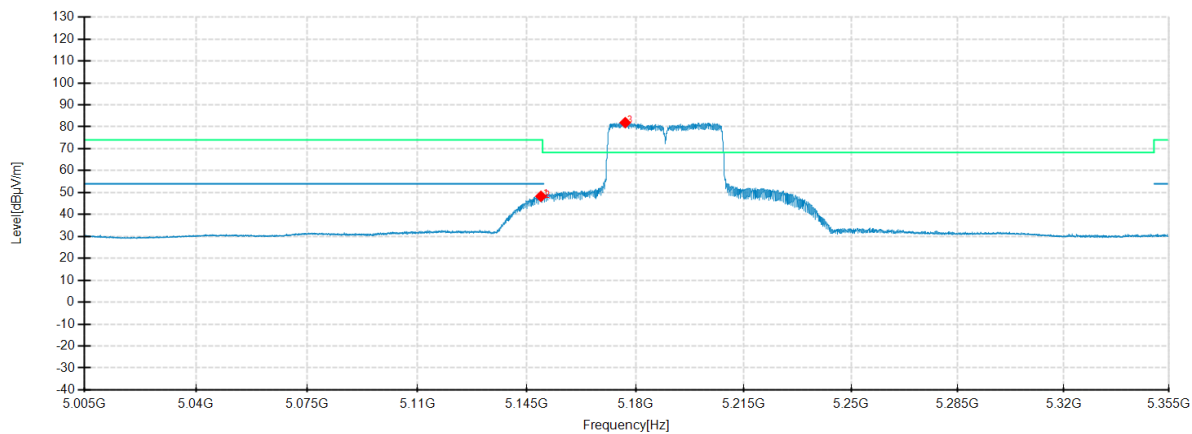
Frequency 5190MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.7950	53.39	49.36	-4.03	54.00	4.64	200	217	Horizontal	/
2	5150.0000	52.92	48.89	-4.03	54.00	5.11	200	217	Horizontal	/
3	5174.3650	85.72	82.11	-3.61	-	-	200	217	Horizontal	No limit
1	5149.4800	52.31	48.28	-4.03	54.00	5.72	200	225	Vertical	/
2	5150.0000	51.78	47.75	-4.03	54.00	6.25	200	225	Vertical	/
3	5176.6050	85.37	81.90	-3.47	-	-	200	225	Vertical	No limit

IEEE 802.11ac VHT40 mode ANT2

Frequency 5230MHz

Environment: 24.2°C/58%RH/101.0kPa

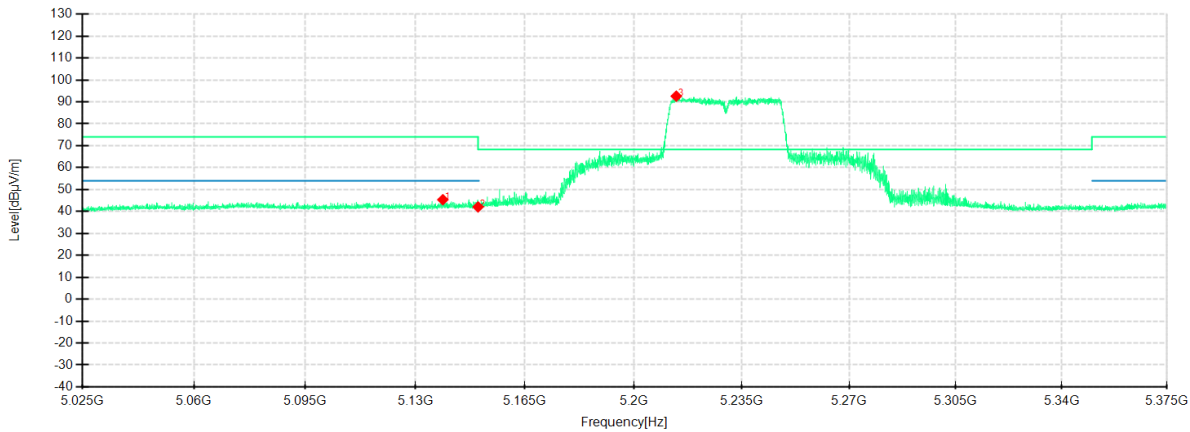
Tested By: Qin Tingting

Detector mode: Peak

Voltage: DC 12V

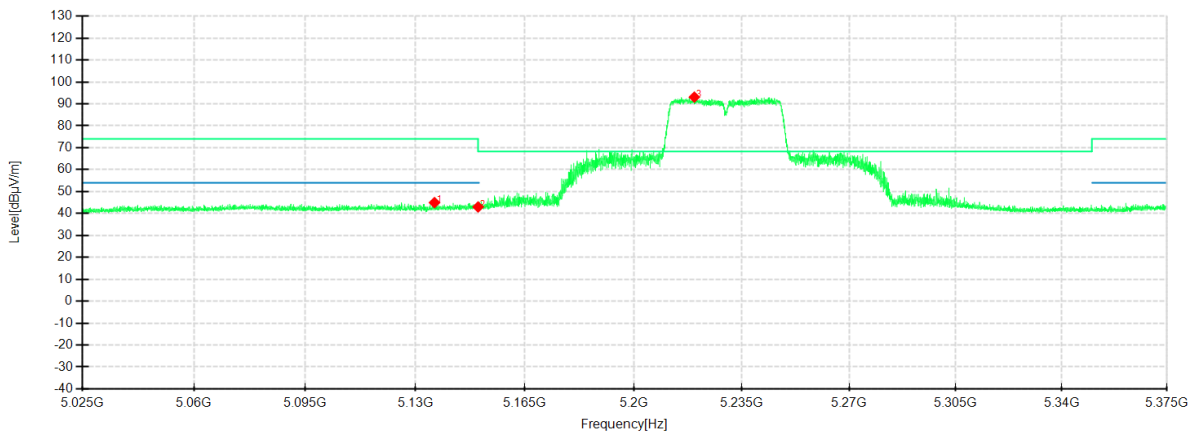
Date: 2024-08-30

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

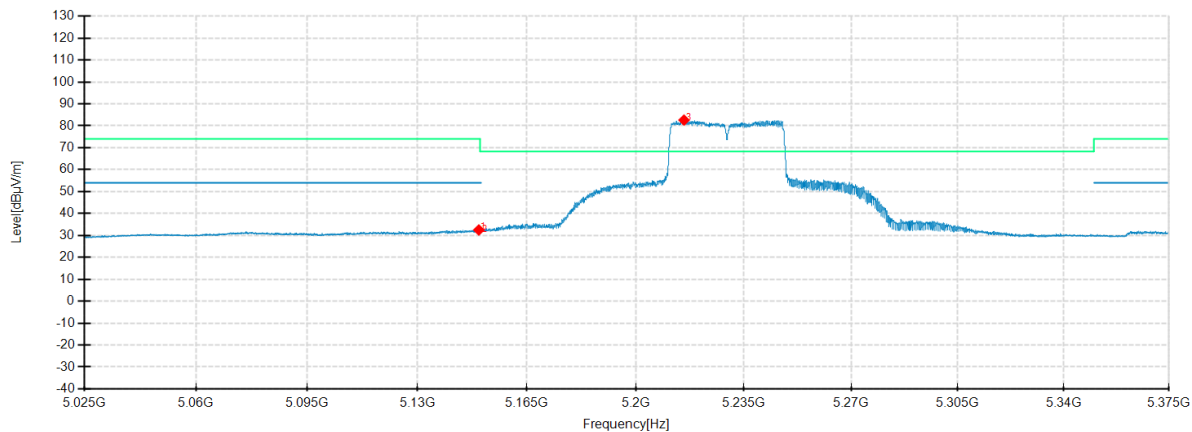


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5138.7500	49.34	45.39	-3.95	74.00	28.61	100	277	Horizontal	/
2	5150.0000	46.12	42.09	-4.03	68.30	26.21	100	277	Horizontal	/
3	5213.7550	95.96	92.61	-3.35	68.30	-24.31	200	224	Horizontal	No limit
1	5136.0900	48.86	44.96	-3.90	74.00	29.04	100	268	Vertical	/
2	5150.0000	47.02	42.99	-4.03	68.30	25.31	100	252	Vertical	/
3	5219.6000	96.22	93.07	-3.15	68.30	-24.77	200	218	Vertical	No limit

IEEE 802.11ac VHT40 mode ANT2

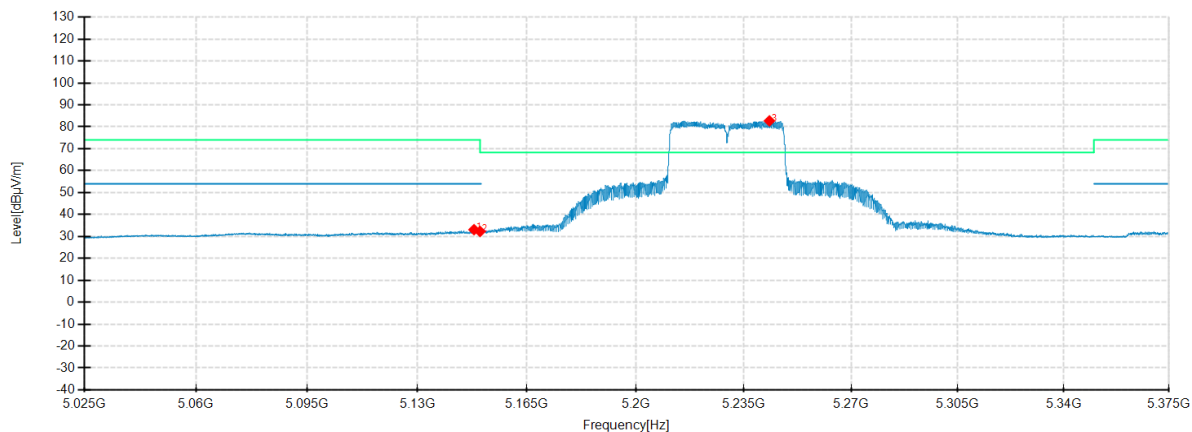
Frequency 5230MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

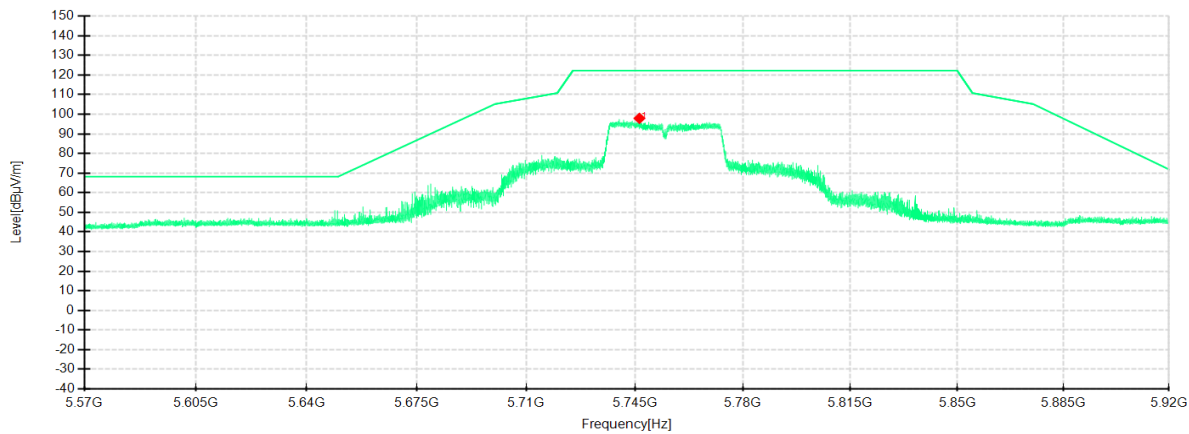


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.6000	36.53	32.50	-4.03	54.00	21.50	100	252	Horizontal	/
2	5150.0000	35.65	31.62	-4.03	54.00	22.38	100	215	Horizontal	/
3	5215.6100	85.96	82.59	-3.37	-	-	200	223	Horizontal	No limit
1	5148.0600	37.09	33.07	-4.02	54.00	20.93	100	264	Vertical	/
2	5150.0000	36.29	32.26	-4.03	54.00	21.74	100	264	Vertical	/
3	5243.3300	86.07	82.71	-3.36	-	-	200	211	Vertical	No limit

IEEE 802.11ac VHT40 mode ANT2

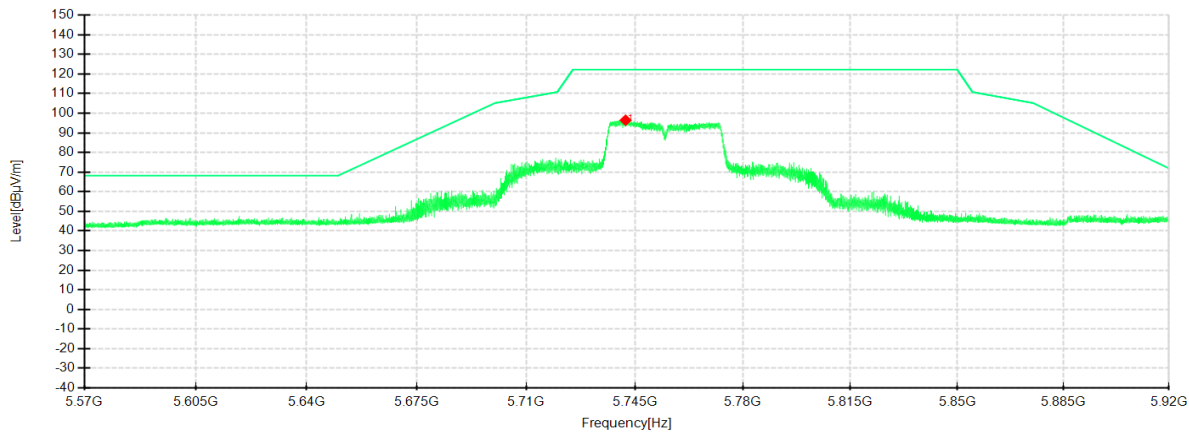
Frequency 5755MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5746.4700	100.88	97.93	-2.95	122.20	24.27	100	171	Horizontal	/
1	5742.0075	99.10	96.46	-2.64	122.20	25.74	100	156	Vertical	/

IEEE 802.11ac VHT40 mode ANT2

Frequency 5795MHz

Environment: 25.5°C/58%RH/101.0kPa

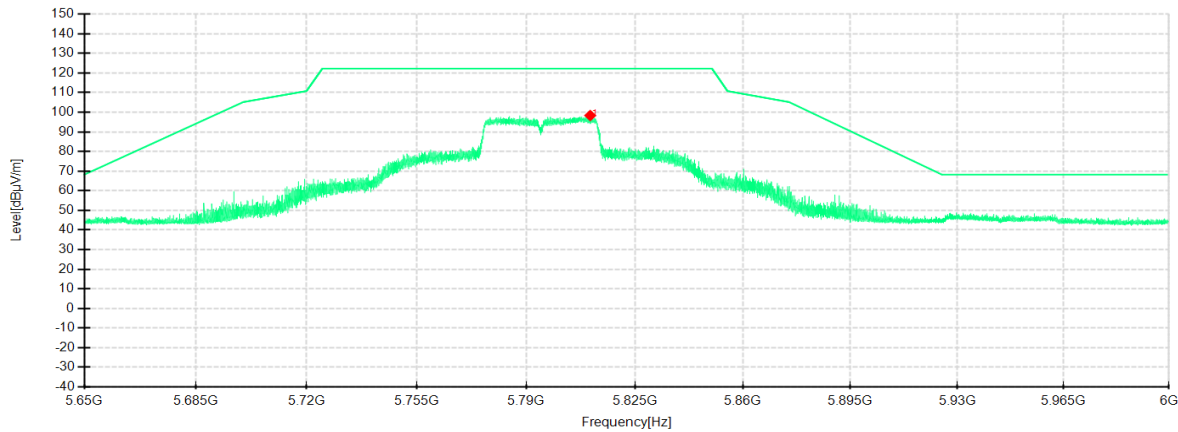
Tested By: Qin Tingting

Detector mode: Peak

Voltage: DC 12V

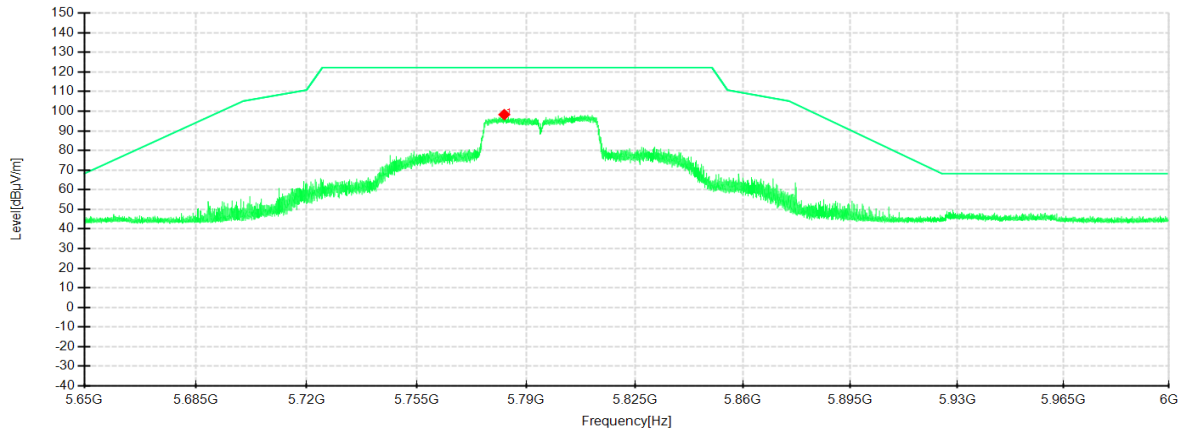
Date: 2024-08-12

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

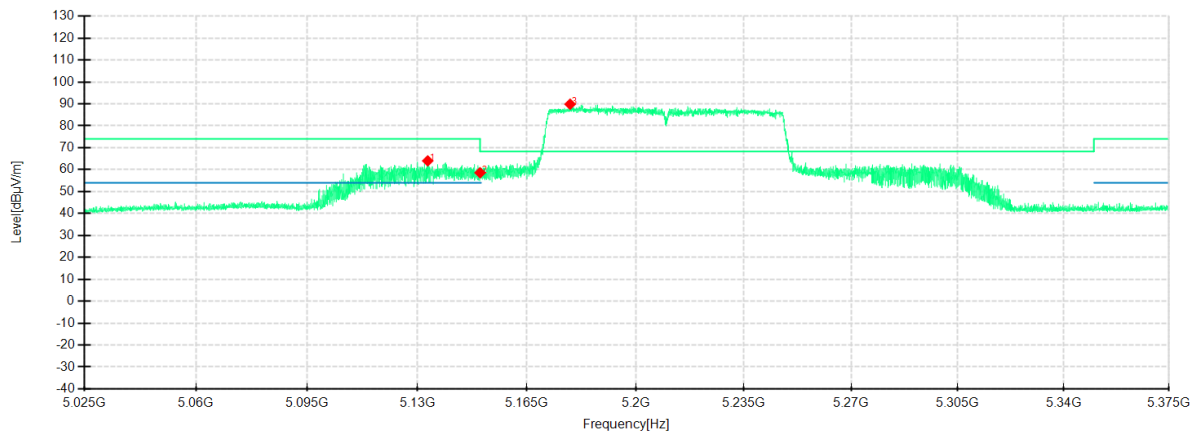


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5810.6500	101.28	98.34	-2.94	122.20	23.86	100	176	Horizontal	/
1	5783.0350	101.18	98.30	-2.88	122.20	23.90	100	153	Vertical	/

IEEE 802.11ac VHT80 mode ANT2

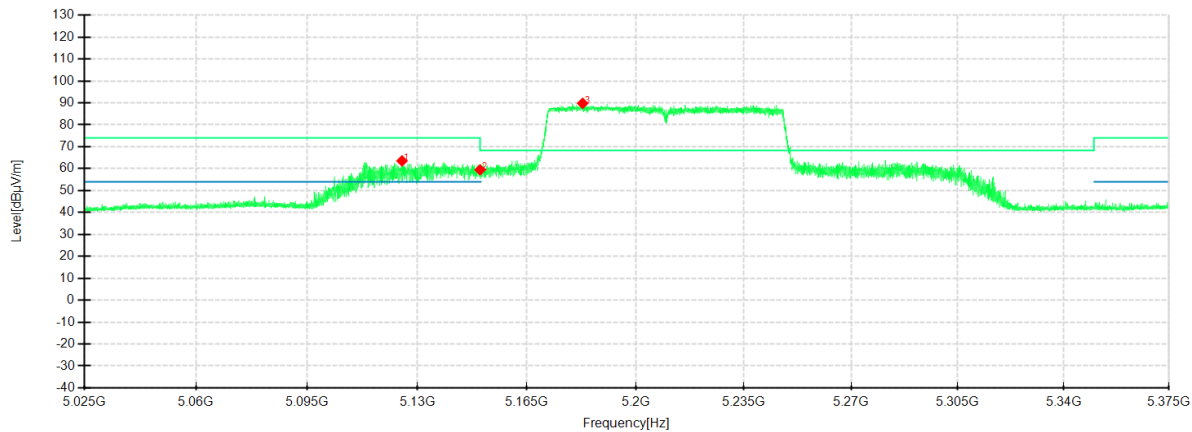
Frequency 5210MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

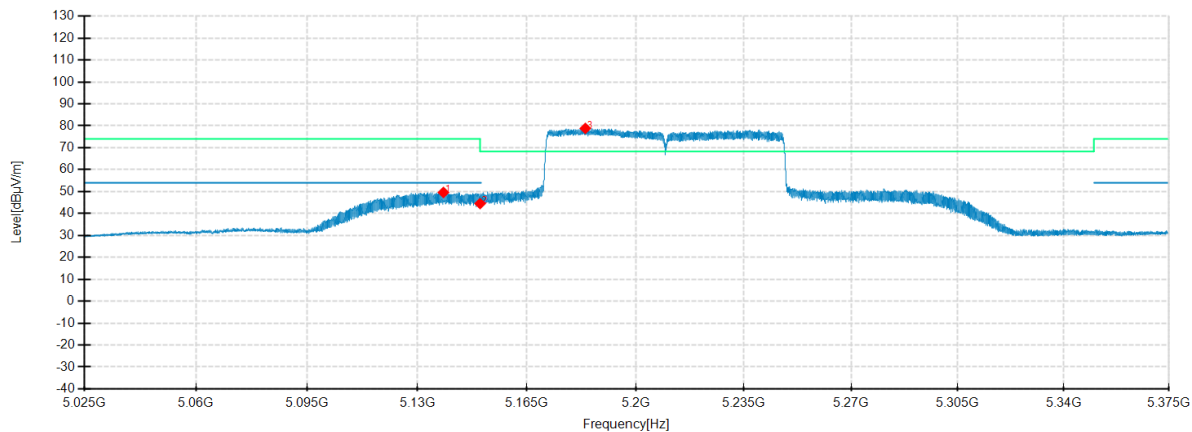


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5133.2900	67.92	64.01	-3.91	74.00	9.99	200	222	Horizontal	/
2	5150.0000	62.61	58.58	-4.03	68.30	9.72	200	222	Horizontal	/
3	5178.8600	93.38	89.84	-3.54	68.30	-21.54	200	222	Horizontal	No limit
1	5125.1000	67.35	63.54	-3.81	74.00	10.46	200	216	Vertical	/
2	5150.0000	63.50	59.47	-4.03	68.30	8.83	200	216	Vertical	/
3	5182.8850	93.13	89.80	-3.33	68.30	-21.50	200	216	Vertical	No limit

IEEE 802.11ac VHT80 mode ANT2

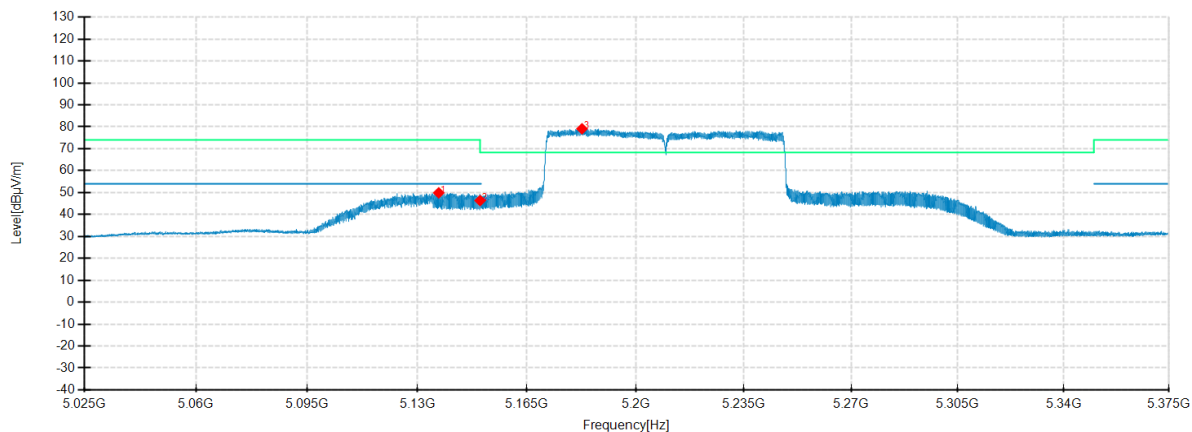
Frequency 5210MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5138.2950	53.56	49.61	-3.95	54.00	4.39	200	219	Horizontal	/
2	5150.0000	48.54	44.51	-4.03	54.00	9.49	200	219	Horizontal	/
3	5183.7600	82.27	78.82	-3.45	-	-	100	258	Horizontal	No limit
1	5136.7900	53.79	49.88	-3.91	54.00	4.12	200	227	Vertical	/
2	5150.0000	50.37	46.34	-4.03	54.00	7.66	100	257	Vertical	/
3	5182.6750	82.41	79.08	-3.33	-	-	100	274	Vertical	No limit

IEEE 802.11ac VHT80 mode ANT2

Frequency 5775MHz

Environment: 25.5°C/58%RH/101.0kPa

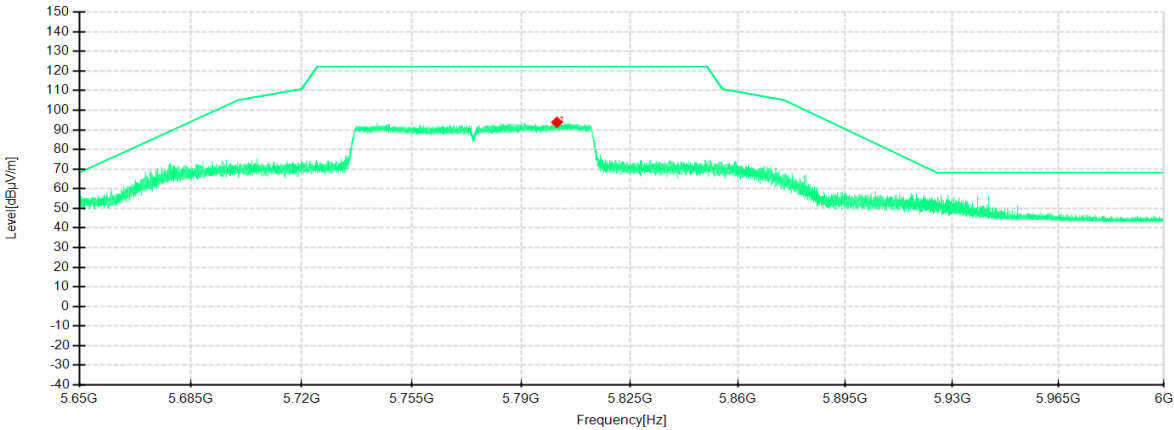
Tested By: Qin Tingting

Detector mode: Peak

Voltage: DC 12V

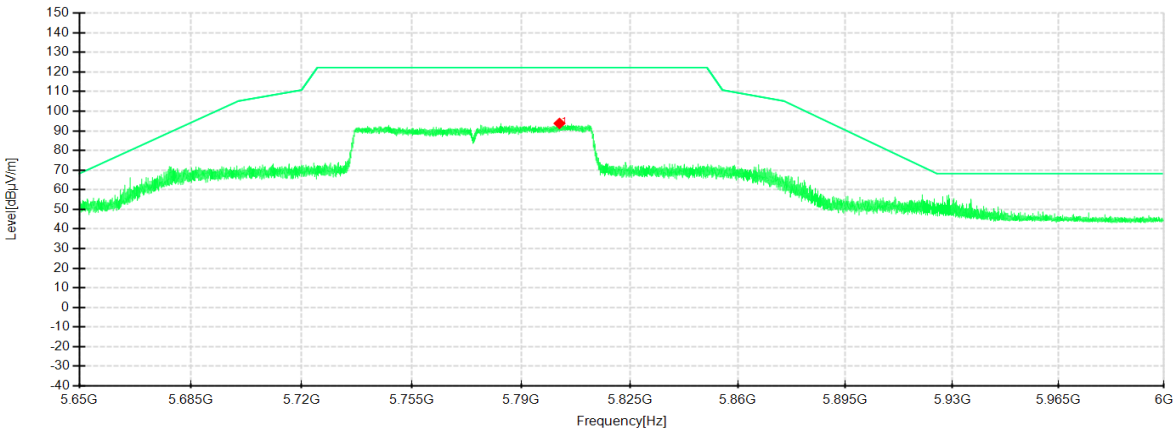
Date: 2024-08-12

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5801.5325	97.00	93.84	-3.16	122.20	28.36	100	172	Horizontal	/
1	5802.3550	96.76	93.82	-2.94	122.20	28.38	100	156	Vertical	/

7. 6dB BANDWIDTH & 26dB BANDWIDTH & 99% OCCUPIED BANDWIDTH

7.1 LIMITS

Band	Frequency (MHz)	Test Item	Limit
U-NII-1	5150-5250	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2A	5250-5350	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2C	5470-5725	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-3	5725-5850	6dB Bandwidth&99% Occupied Bandwidth	6dB Bandwidth $\geq$ 500kHz

7.2 TEST PROCEDURES

For 26dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 1.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, 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 measurements as needed until the RBW/EBW ratio is approximately 1%.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

For 6dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 2.
- Set the EUT transmit continuously with maximum output power.
- Allow 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.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

For 99% Occupied Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the 99% power bandwidth function to measure bandwidth.
- Repeat above procedures until all modes and channels were measured.

Record the results in the test report.

Table 1:

26dB Bandwidth	
Spectrum Parameters	Setting
RBW	approximately 1% of the emission bandwidth
VBW	> RBW
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

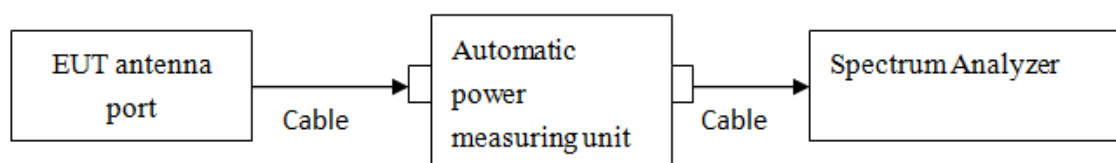
Table 2:

6dB Bandwidth	
Spectrum Parameters	Setting
RBW	100kHz
VBW	300kHz
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

Table 3:

99% Occupied Bandwidth	
Spectrum Parameters	Setting
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Span	between 1.5 times and 5.0 times the OBW
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

7.3 TEST SETUP



7.4 TEST RESULTS

Environment: 25.2℃/48%RH 101.0kPa

Tested By: Qin Tingting

Voltage:DC 12V

Date: 2024-07-16

6dB Bandwidth

Test Mode	Antenna	Freq(MHz)	6dB EBW [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
IEEE 802.11a	Ant2	5745	16.36	5736.72	5753.08	0.5	PASS
		5785	16.36	5776.72	5793.08	0.5	PASS
		5825	16.32	5816.76	5833.08	0.5	PASS
IEEE 802.11n HT20	Ant2	5745	17.56	5736.12	5753.68	0.5	PASS
		5785	17.60	5776.12	5793.72	0.5	PASS
		5825	17.60	5816.12	5833.72	0.5	PASS
IEEE 802.11n HT40	Ant2	5755	36.32	5736.76	5773.08	0.5	PASS
		5795	36.32	5776.76	5813.08	0.5	PASS
IEEE 802.11ac VHT20	Ant2	5745	17.68	5736.04	5753.72	0.5	PASS
		5785	17.56	5776.12	5793.68	0.5	PASS
		5825	17.60	5816.12	5833.72	0.5	PASS
IEEE 802.11ac VHT40	Ant2	5755	36.32	5736.76	5773.08	0.5	PASS
		5795	36.32	5776.76	5813.08	0.5	PASS
IEEE 802.11ac VHT80	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

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26dB Bandwidth

Test Mode	Antenna	Freq(MHz)	26dB EBW [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
IEEE 802.11a	Ant2	5180	21.28	5169.28	5190.56	---	---
		5200	21.36	5189.24	5210.60	---	---
		5240	21.20	5229.28	5250.48	---	---
IEEE 802.11n HT20	Ant2	5180	21.36	5169.20	5190.56	---	---
		5200	21.52	5189.16	5210.68	---	---
		5240	21.56	5229.16	5250.72	---	---
IEEE 802.11n HT40	Ant2	5190	40.24	5169.76	5210.00	---	---
		5230	40.24	5209.84	5250.08	---	---
IEEE 802.11ac VHT20	Ant2	5180	21.24	5169.36	5190.60	---	---
		5200	21.44	5189.12	5210.56	---	---
		5240	21.44	5229.20	5250.64	---	---
IEEE 802.11ac VHT40	Ant2	5190	40.40	5169.68	5210.08	---	---
		5230	40.24	5209.84	5250.08	---	---
IEEE 802.11ac VHT80	Ant2	5210	82.08	5169.04	5251.12	---	---

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99% OCCUPIED BANDWIDTH

Test Mode	Antenna	Freq(MHz)	OCB [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
IEEE 802.11a	Ant2	5180	17.954	5170.9446	5188.8982	---	---
		5200	17.979	5190.9029	5208.8820	---	---
		5240	18.030	5230.9111	5248.9411	---	---
		5745	18.023	5735.8882	5753.9115	---	---
		5785	18.037	5775.8750	5793.9119	---	---
		5825	18.042	5815.8807	5833.9229	---	---
IEEE 802.11n HT20	Ant2	5180	18.757	5170.5482	5189.3050	---	---
		5200	18.876	5190.4858	5209.3620	---	---
		5240	18.875	5230.5124	5249.3873	---	---
		5745	18.822	5735.5244	5754.3465	---	---
		5785	18.936	5775.4427	5794.3792	---	---
		5825	18.917	5815.4565	5834.3730	---	---
IEEE 802.11n HT40	Ant2	5190	36.974	5171.4882	5208.4619	---	---
		5230	36.874	5211.5997	5248.4741	---	---
		5755	36.931	5736.4827	5773.4140	---	---
		5795	36.910	5776.5533	5813.4638	---	---
IEEE 802.11ac VHT20	Ant2	5180	18.857	5170.5051	5189.3623	---	---
		5200	18.871	5190.4917	5209.3626	---	---
		5240	18.784	5230.5289	5249.3131	---	---
		5745	18.819	5735.4933	5754.3121	---	---
		5785	18.884	5775.4837	5794.3681	---	---
		5825	18.810	5815.5183	5834.3283	---	---
IEEE 802.11ac VHT40	Ant2	5190	36.896	5171.5424	5208.4382	---	---
		5230	36.889	5211.5583	5248.4469	---	---
		5755	36.965	5736.5067	5773.4717	---	---
		5795	36.947	5776.4711	5813.4185	---	---
IEEE 802.11ac VHT80	Ant2	5210	76.471	5171.8014	5248.2729	---	---
		5775	76.308	5736.8746	5813.1825	---	---

Test Graphs
6dB Bandwidth







IEEE 802.11n HT20_Ant2_5825MHz

MultiView Spectrum

Ref Level 20.00 dBm Offset 14.90 dB RBW 100 kHz
Att 30 dB SWT 1.04 ms VBW 300 kHz Mode Auto Sweep

SGL Count 100/100

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.825 GHz

1001 pts

4.0 MHz/

Span 40.0 MHz

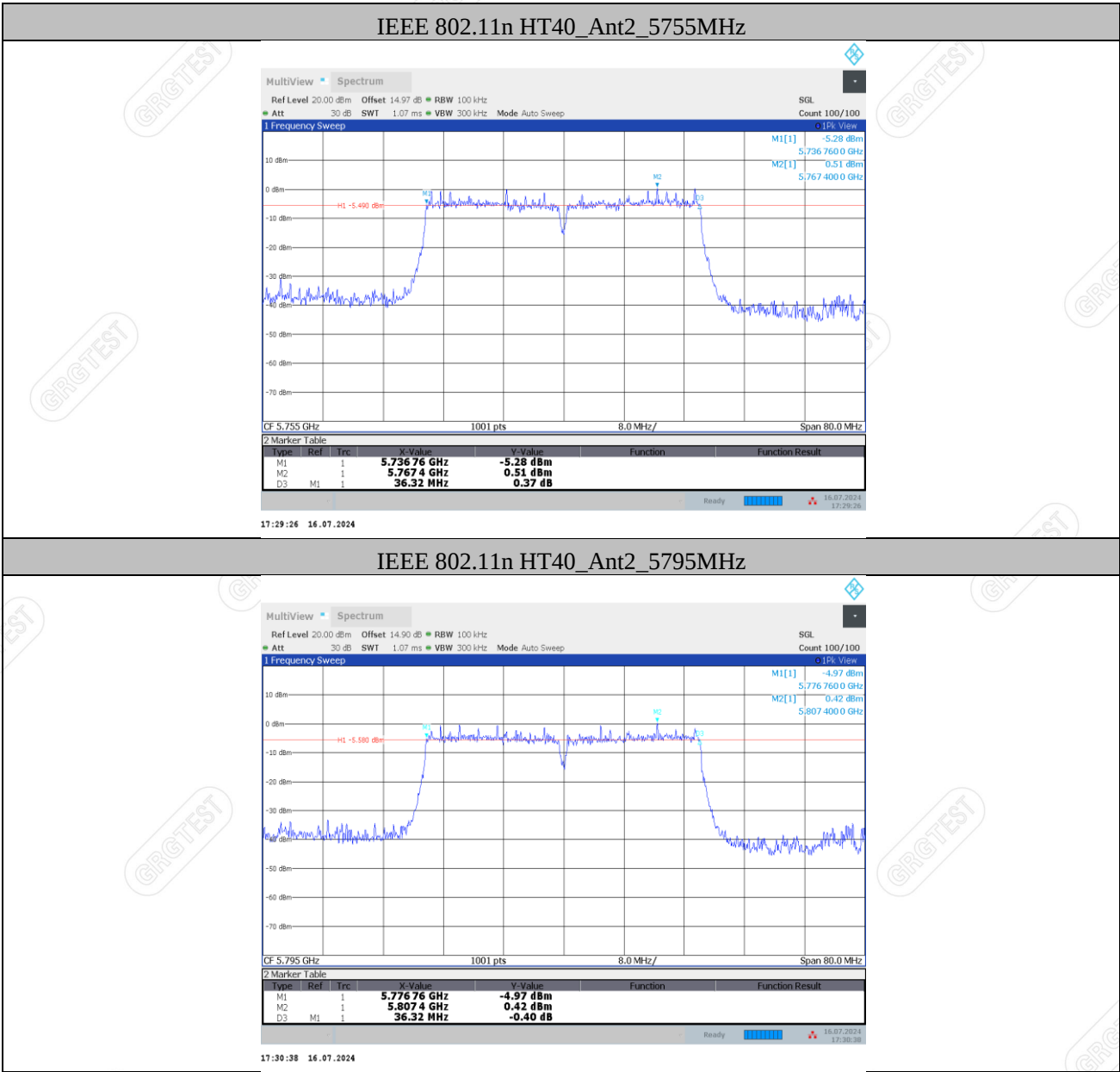
M1[1] -2.52 dBm
5.8161200 GHz

M2[1] 2.44 dBm
5.8299200 GHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.81612 GHz	-2.52 dBm		
M2	1		5.82992 GHz	2.44 dBm		
D3	M1	1	17.6 MHz	-0.86 dB		

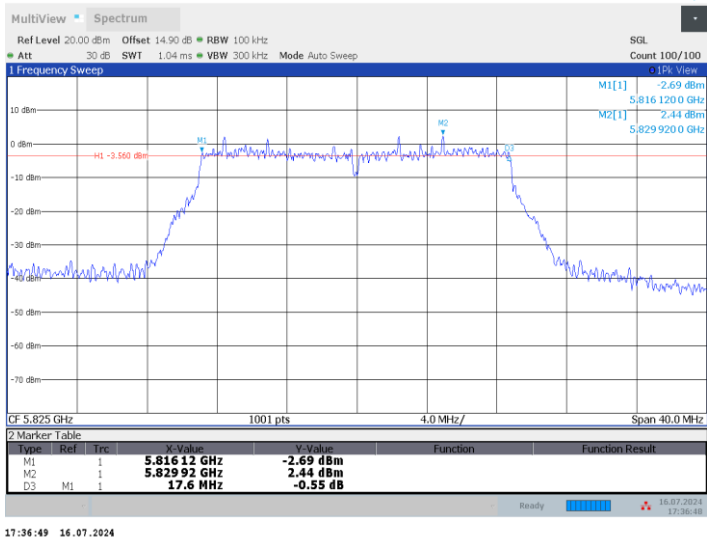
Ready 16.07.2024 17:26:40

17:26:40 16.07.2024

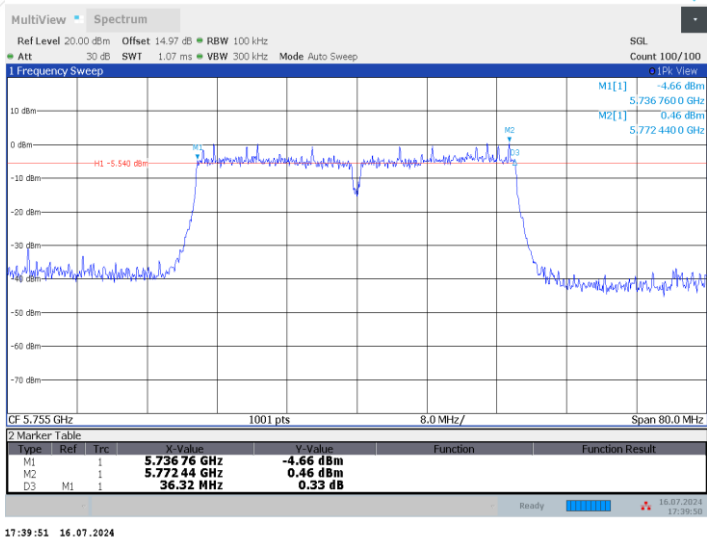


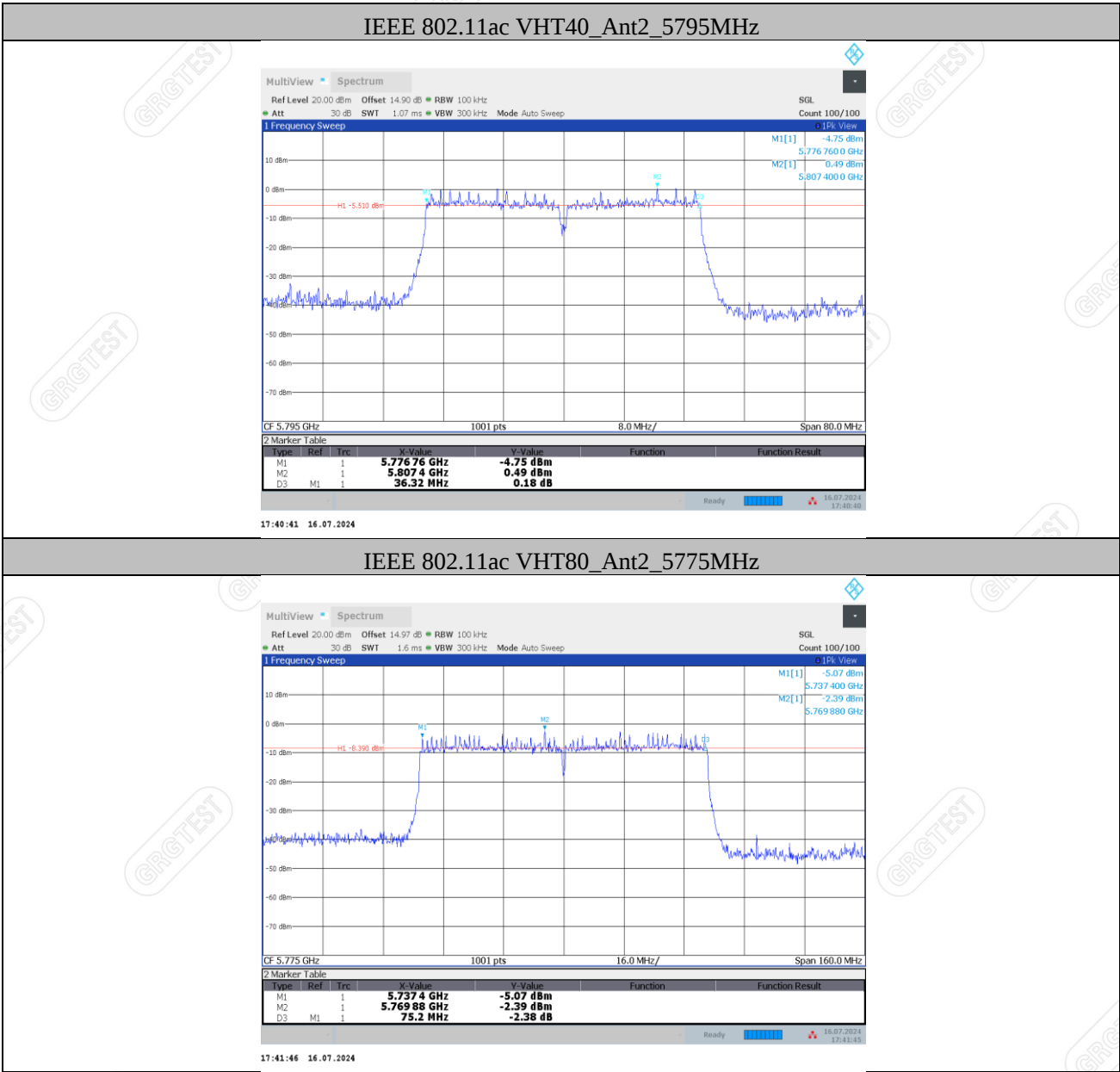


IEEE 802.11ac VHT20_Ant2_5825MHz



IEEE 802.11ac VHT40_Ant2_5755MHz





26dB Bandwidth



IEEE 802.11a_Ant2_5200MHz

MultiView Spectrum

Ref Level 20.00 dBm Offset 14.78 dB RBW 200 kHz

Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep

Count 100/100

Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.2 GHz 1001 pts 4.0 MHz/ Span 40.0 MHz

Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.189 24 GHz	-24.17 dBm		
M2	1		5.201 2 GHz	2.22 dBm		
D3	M1	1	21.36 MHz	-1.15 dB		

Measuring...

16.07.2024 16:48:23



IEEE 802.11n HT20_Ant2_5180MHz

MultiView Spectrum

Ref Level 20.00 dBm Offset 14.85 dB RBW 200 kHz
Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep

SGL Count 100/100

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.18 GHz

1001 pts

4.0 MHz/

Span 40.0 MHz

M1[1] -24.28 dBm

5.169 2000 GHz

M2[1] 2.39 dBm

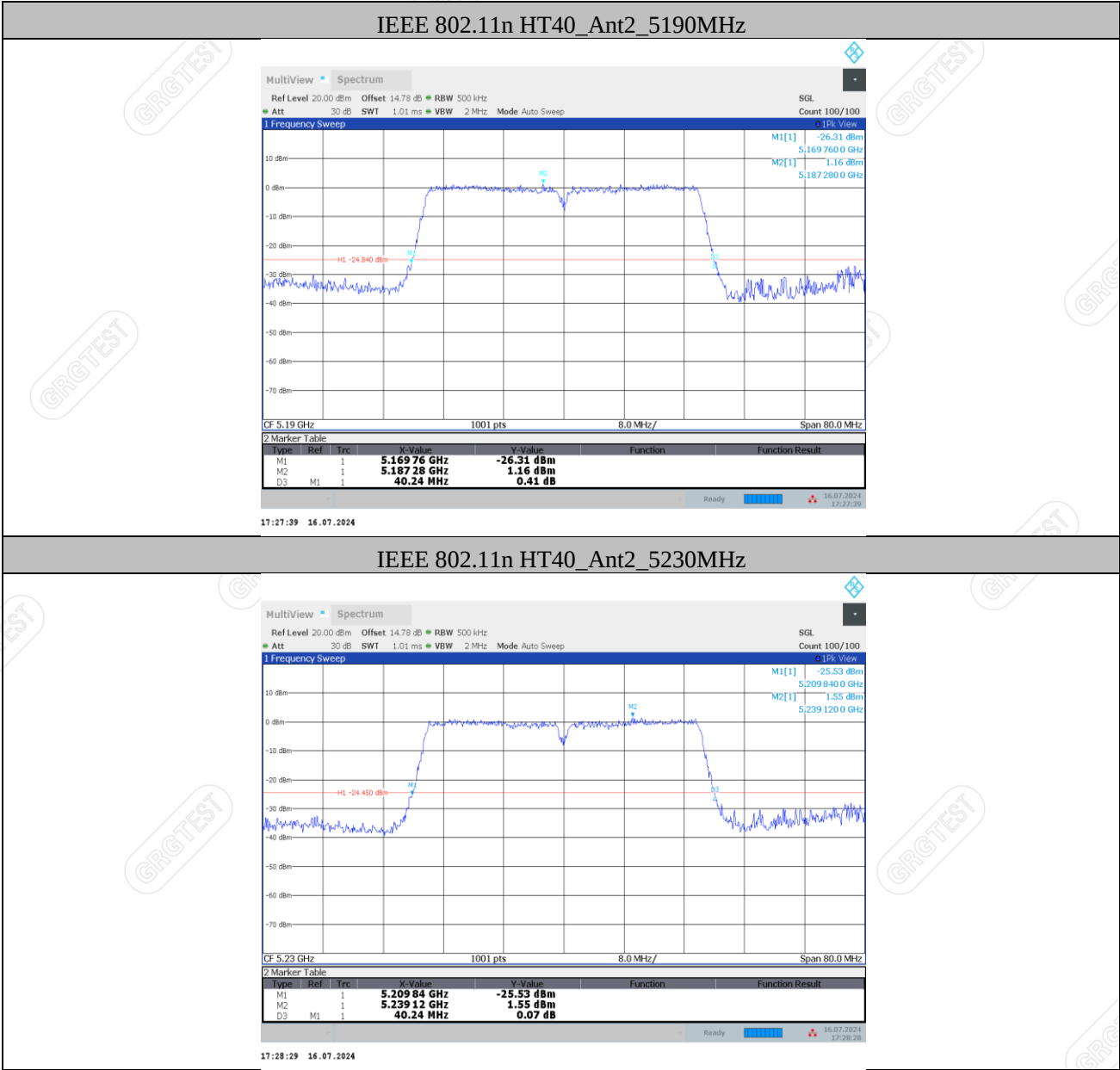
5.187 4400 GHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.169 2 GHz	-24.28 dBm		
M2	1		5.187 44 GHz	2.39 dBm		
D3	M1	1	21.36 MHz	-0.13 dB		

Ready 16.07.2024 17:06:21

17:20:22 16.07.2024







IEEE 802.11ac VHT20_Ant2_5200MHz

MultiView Spectrum

Ref Level 20.00 dBm Offset 14.78 dB RBW 200 kHz
Att 30 dB SWI 1.01 ms VBW 1 MHz Mode Auto Sweep

SGL Count 100/100

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.2 GHz

1001 pts

4.0 MHz/

Span 40.0 MHz

M1[1] -25.38 dBm
5.1891200 GHz

M2[1] 2.03 dBm
5.2049200 GHz

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		5.18912 GHz	-25.38 dBm		
M2	1		5.20492 GHz	2.03 dBm		
D3	M1	1	21.44 MHz	1.34 dB		

Ready 16.07.2024 17:32:22

17:32:23 16.07.2024