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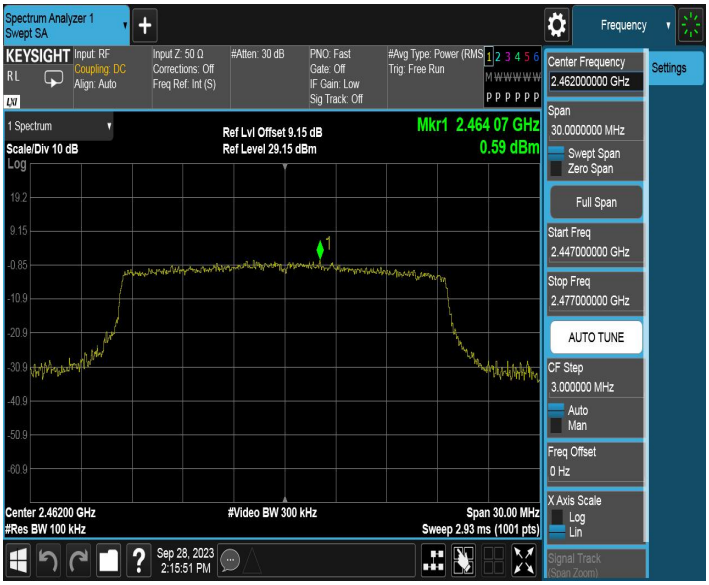
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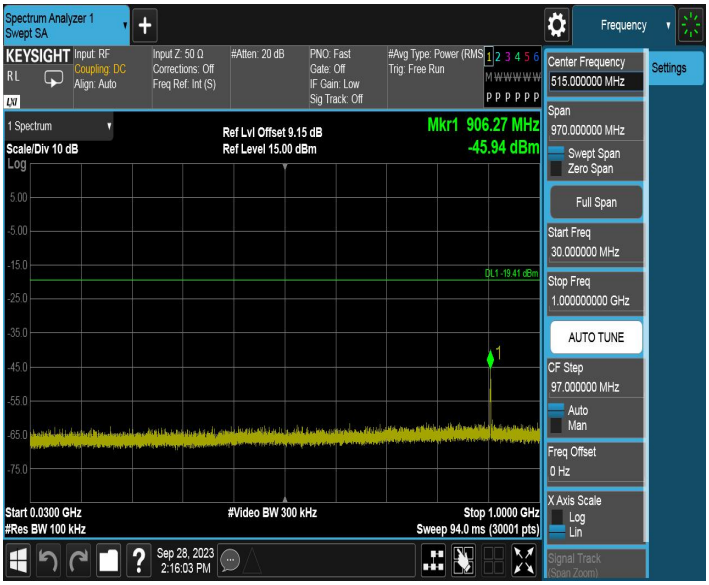

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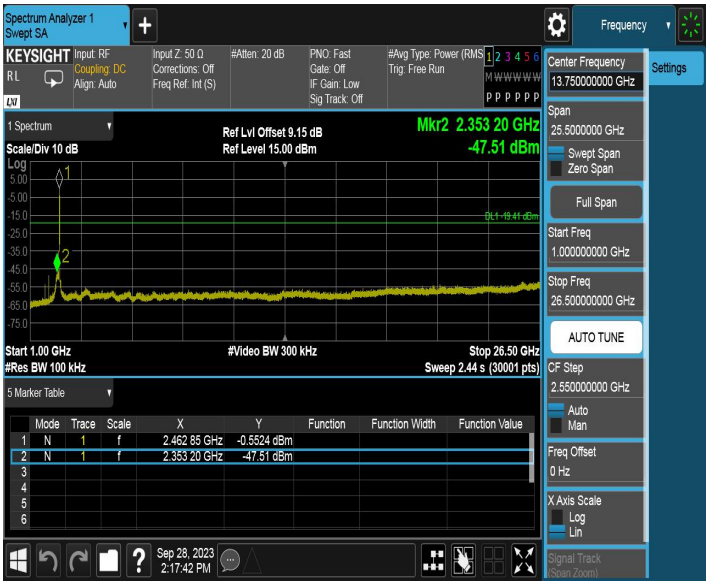
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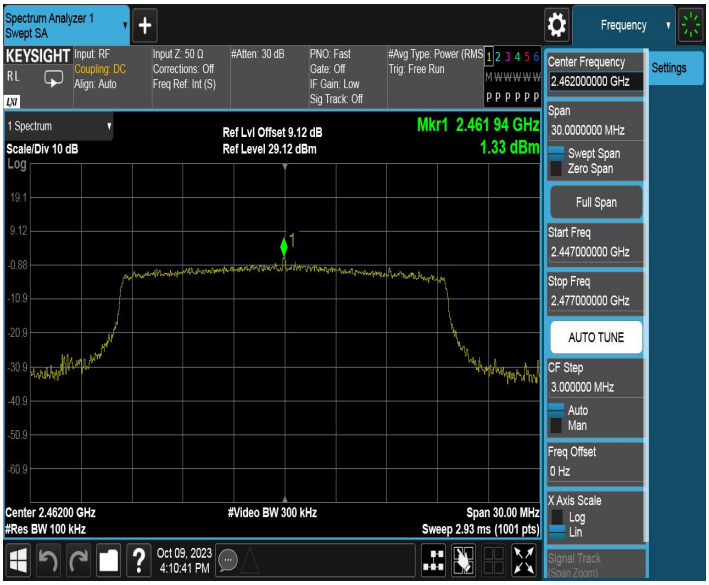

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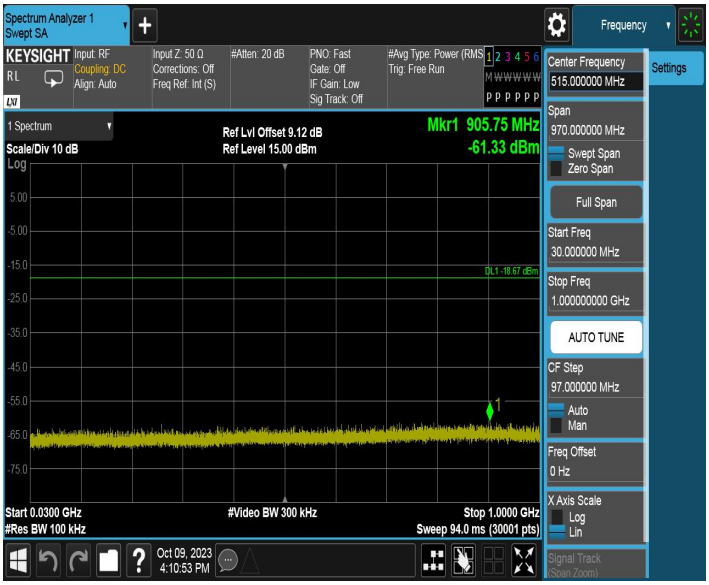
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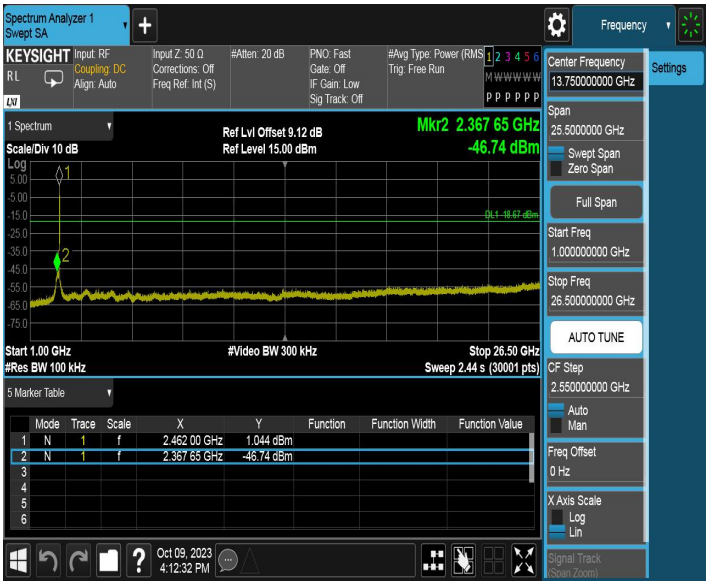

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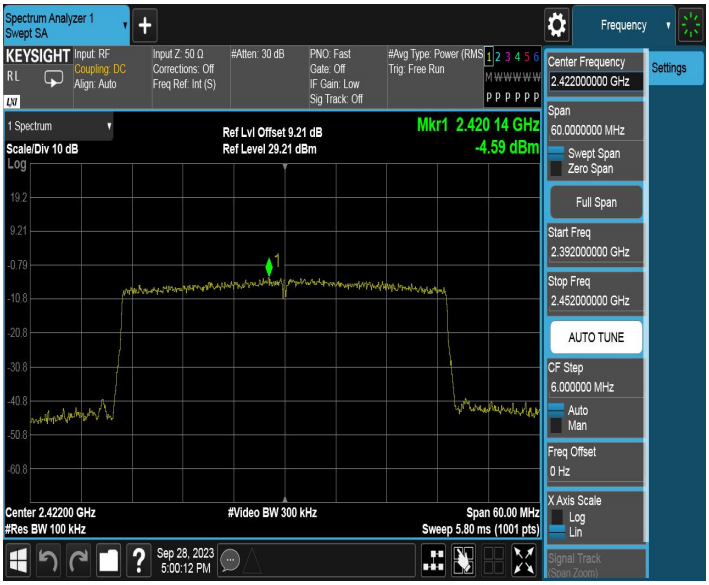
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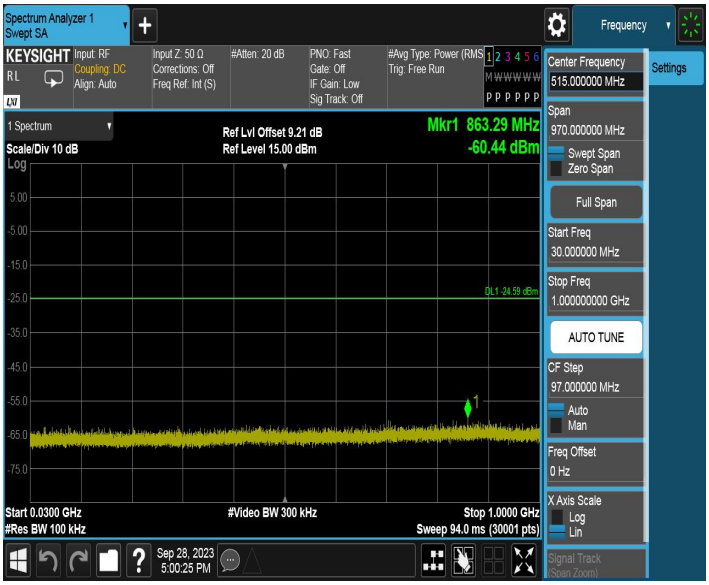

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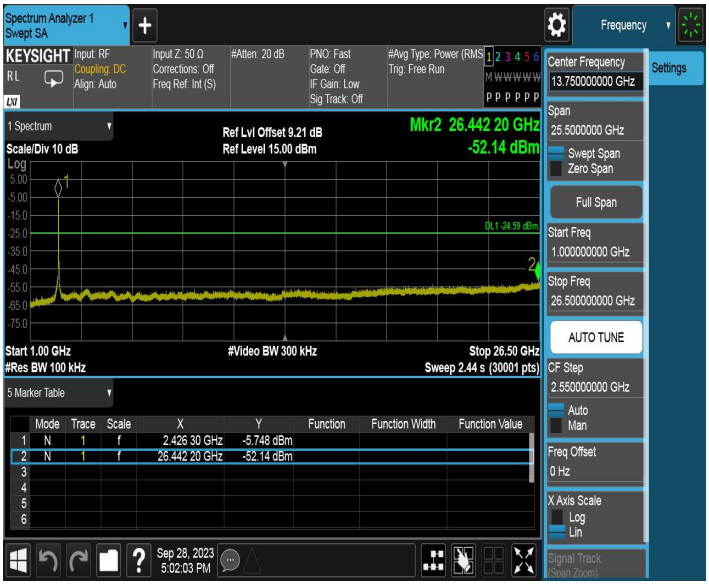
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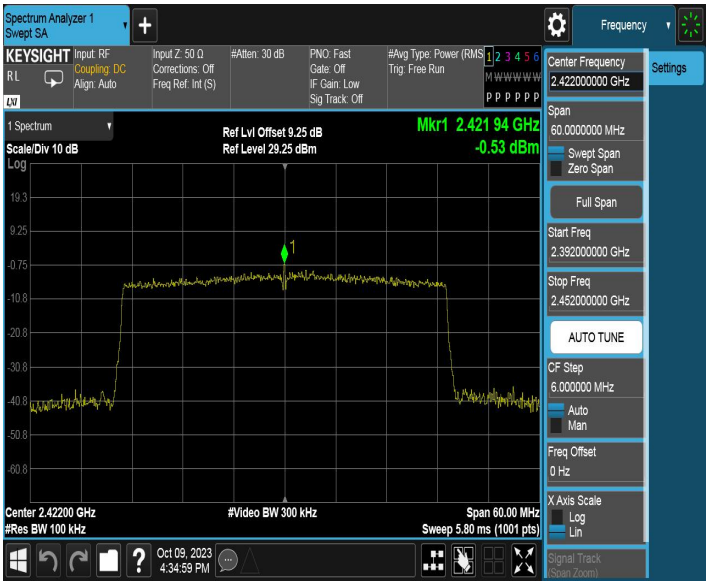

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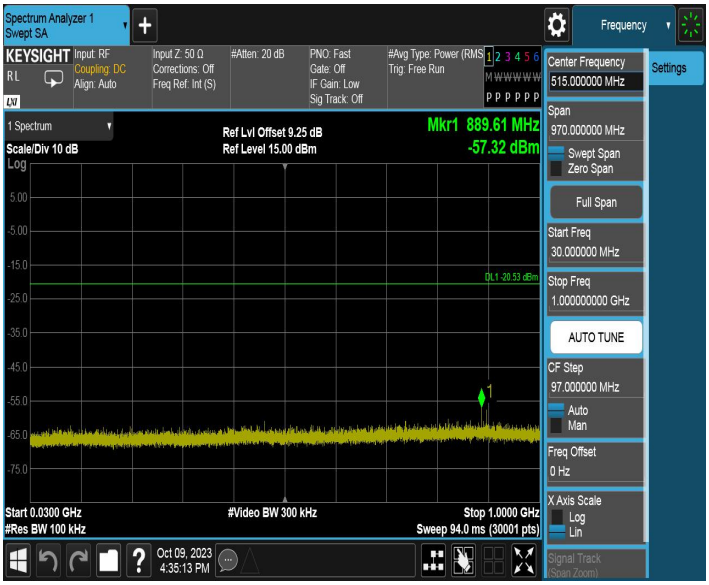
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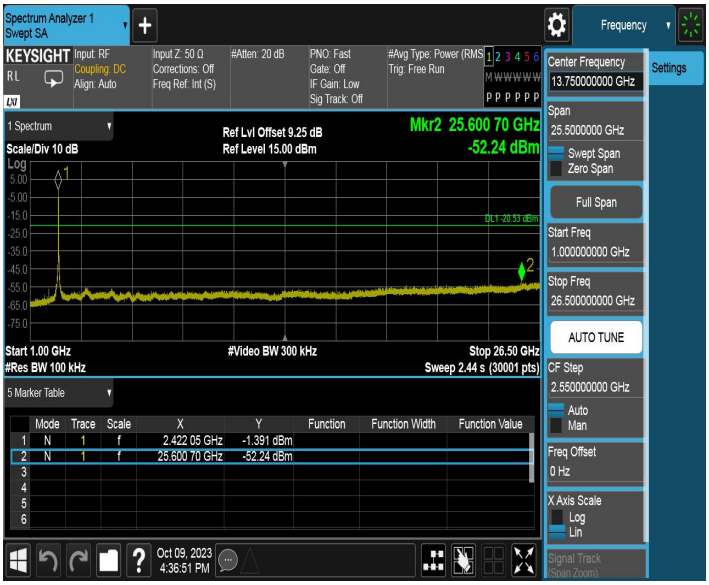

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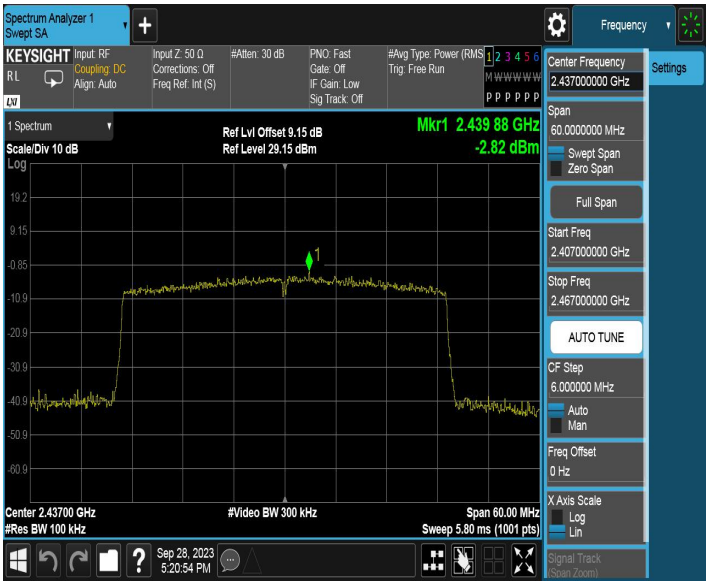
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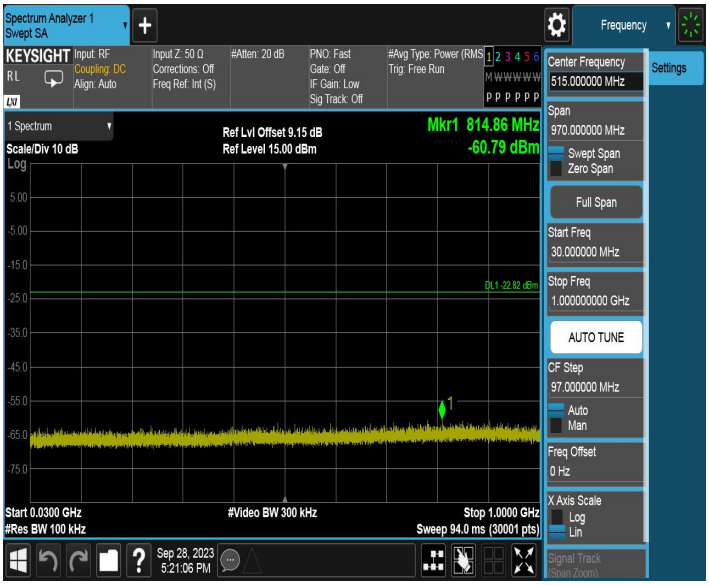

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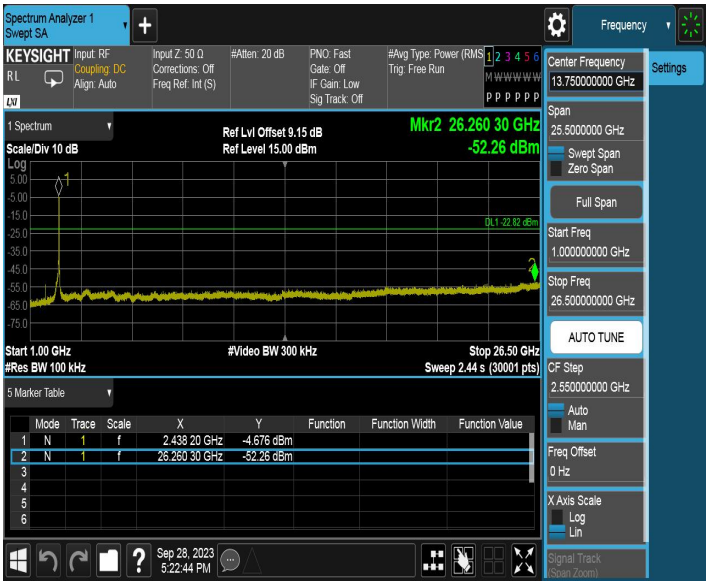
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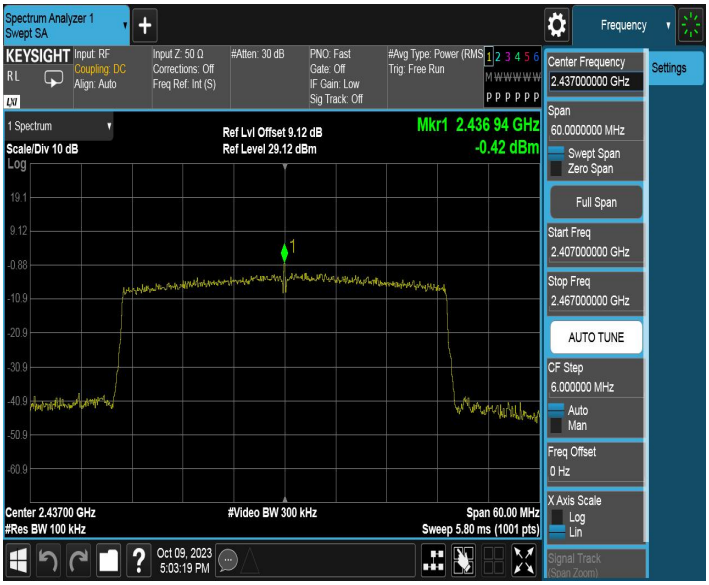

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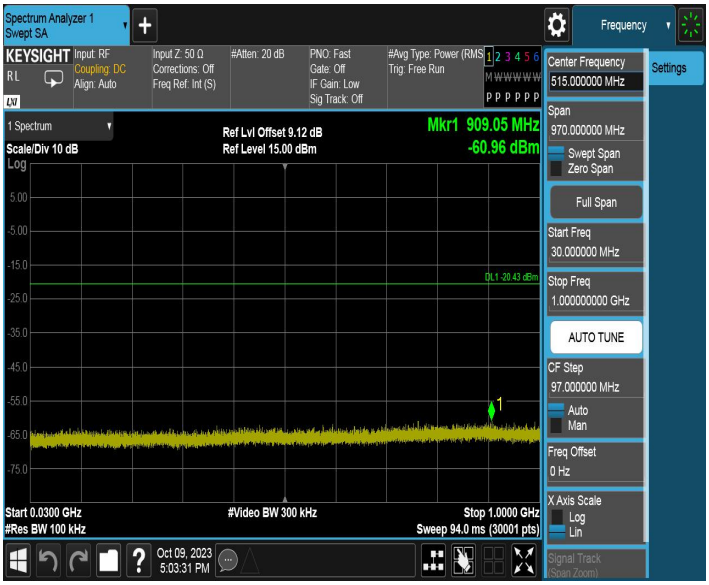
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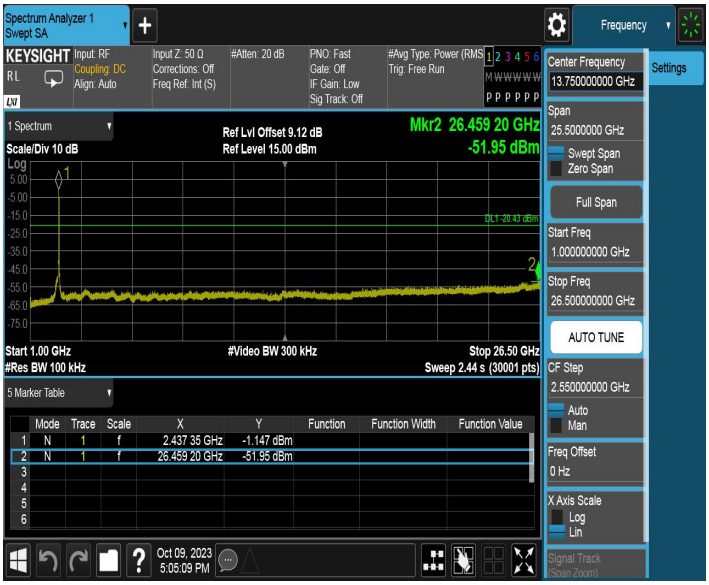
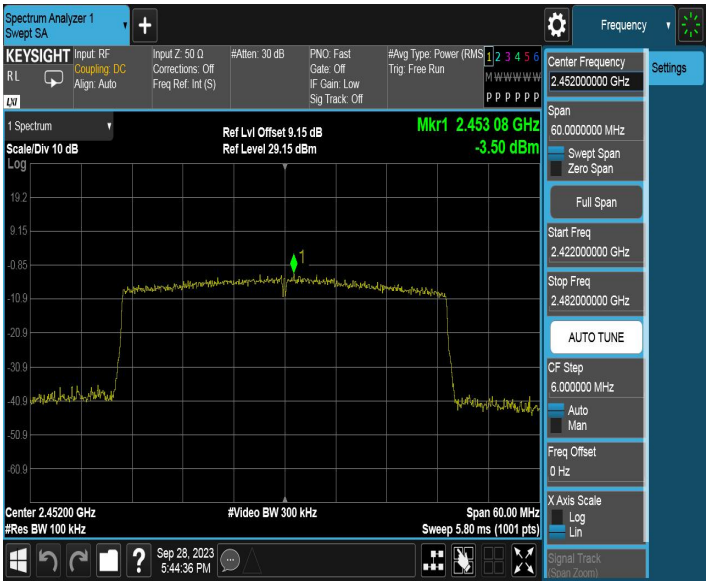


11AX40MIMO_Ant1_2452_0~Reference

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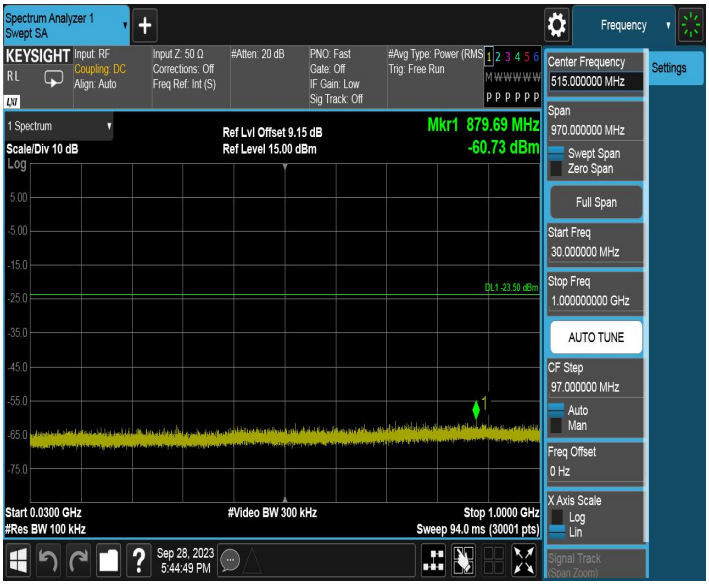
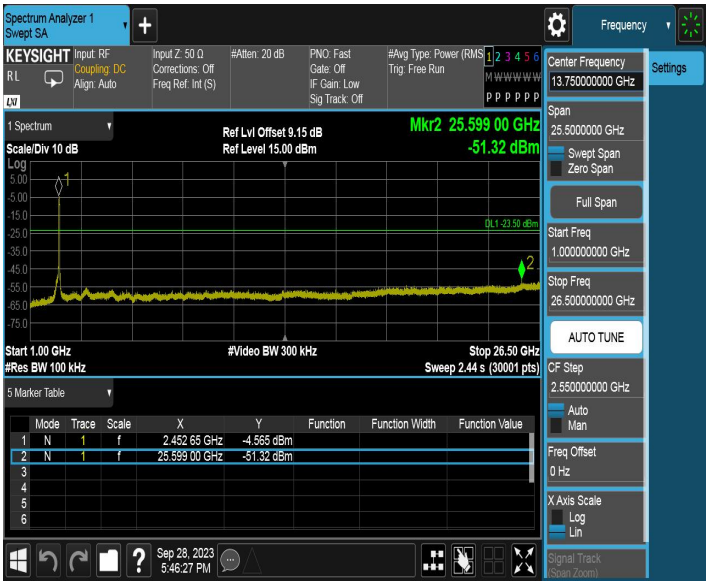


11AX40MIMO_Ant1_2452_1000~26500

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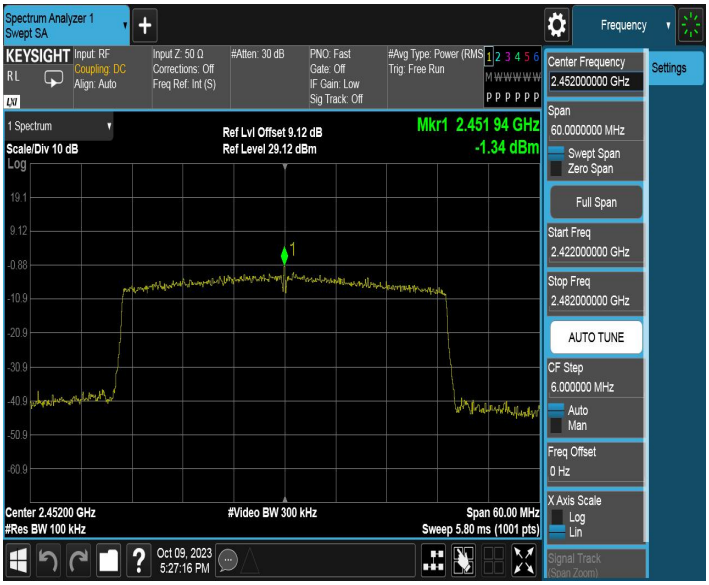

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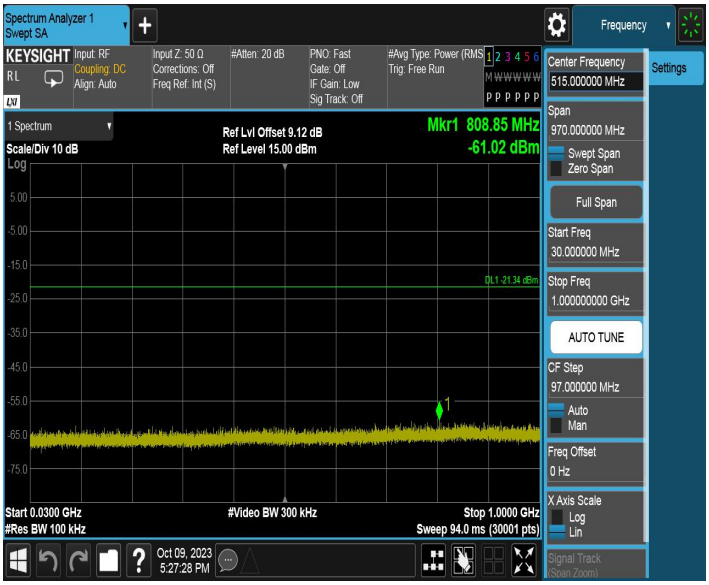
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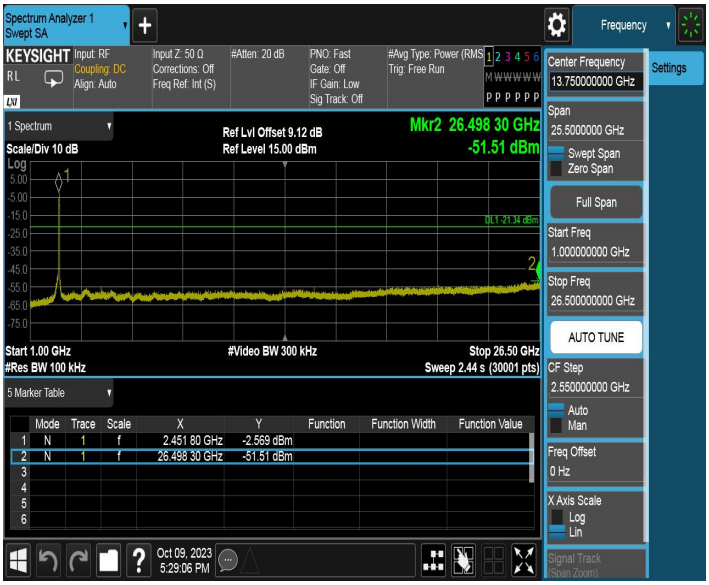


7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C63.10-2013 – Section 6.6.4.3

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

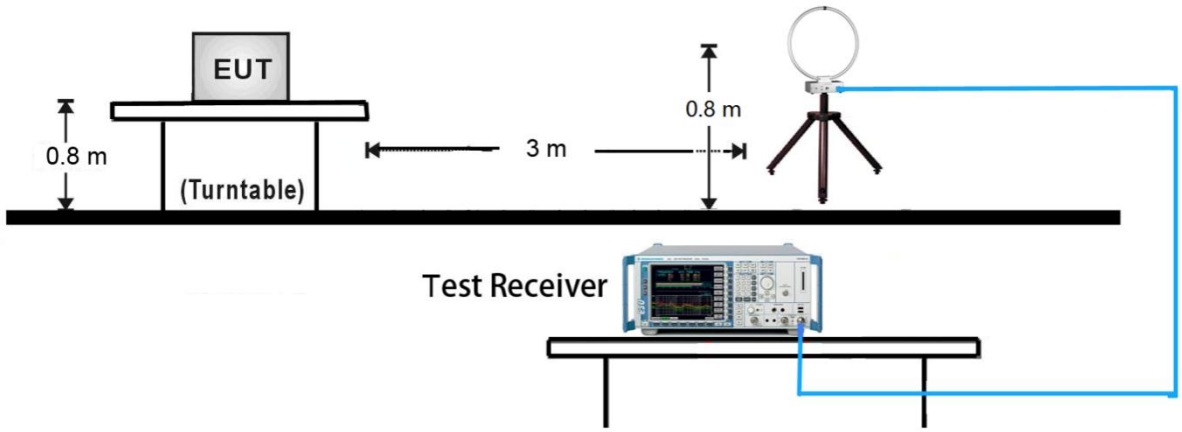
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

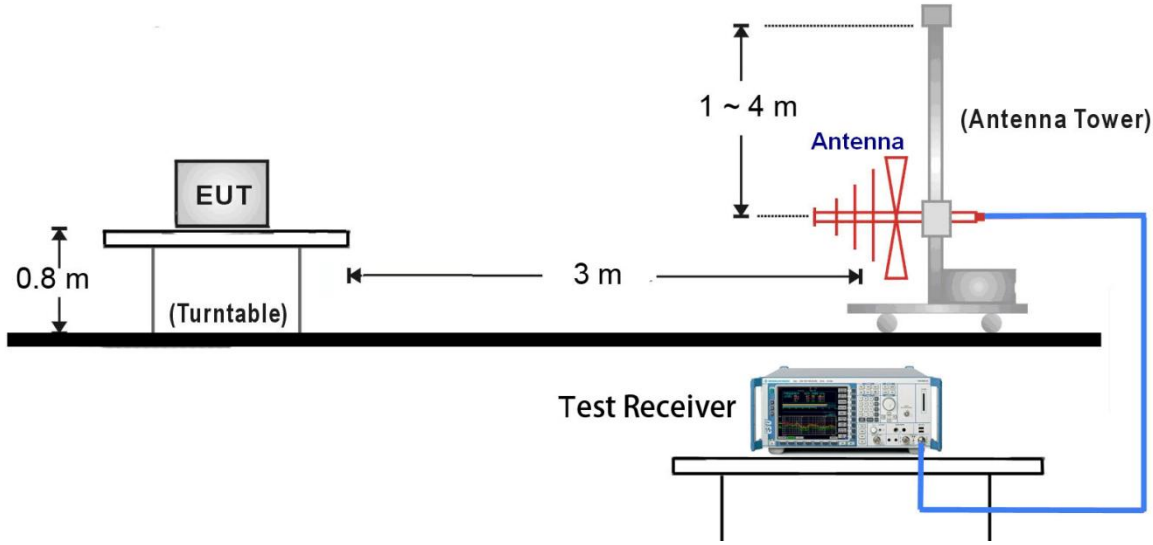
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.6.4. Test Setup

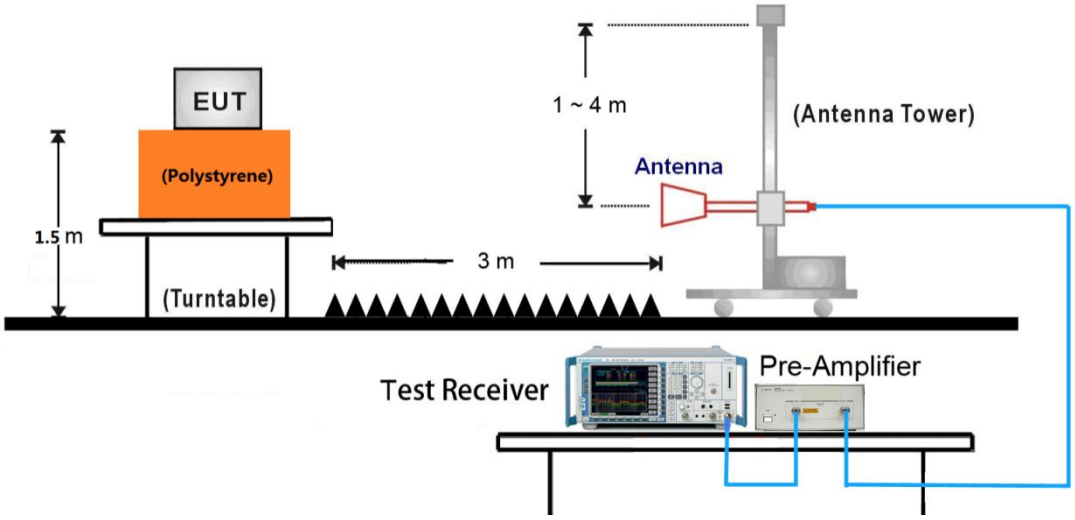
9kHz ~ 30MHz Test Setup:



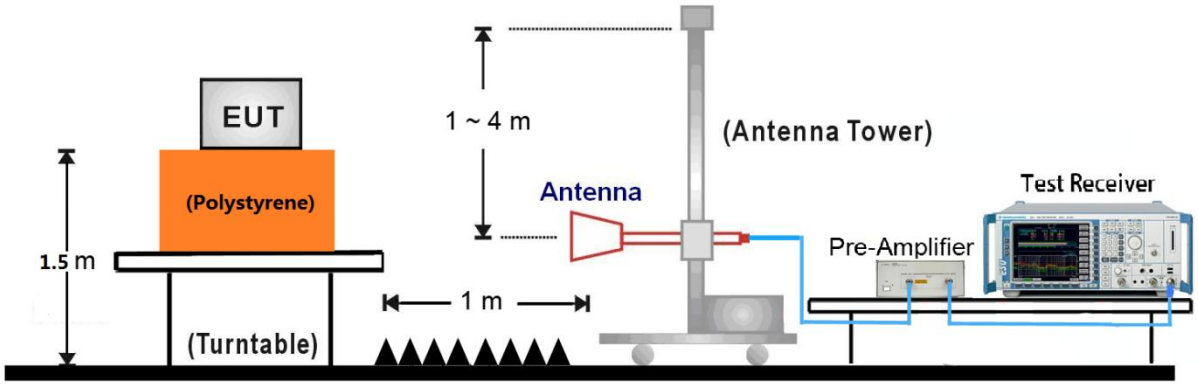
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:



7.6.5. Test Result

1) For Antenna RD542109NB87-1

Test Mode:	802.11b-Antenna1	Test Date:	2023-10-21
Test Channel:	01	Test Engineer:	Stone Zhang
Remark:	1. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 2. This is the worst case of Radiated Emission for 1-18GHz.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1220.0000	58.13	-14.29	74.00	15.87	PK	Horizontal
1220.0000	50.61	-14.29	54.00	3.39	AV	Horizontal
1594.0000	47.97	-13.51	74.00	26.03	PK	Horizontal
1594.0000	44.84	-13.51	54.00	9.16	AV	Horizontal
1726.0000	41.40	-12.92	54.00	12.60	AV	Horizontal
1728.0000	47.61	-12.91	74.00	26.39	PK	Horizontal
4820.0000	55.43	-2.61	74.00	18.57	PK	Horizontal
4820.0000	42.90	-2.61	54.00	11.10	AV	Horizontal
1332.0000	52.73	-14.12	74.00	21.27	PK	Vertical
1332.0000	50.89	-14.12	54.00	3.11	AV	Vertical
1996.0000	50.38	-11.81	74.00	23.62	PK	Vertical
1996.0000	44.46	-11.81	54.00	9.54	AV	Vertical
4820.0000	43.30	-2.61	54.00	10.70	AV	Vertical
4820.0000	56.39	-2.61	74.00	17.61	PK	Vertical
6365.0000	44.30	1.41	54.00	9.70	AV	Vertical
6390.0000	52.05	1.49	74.00	21.95	PK	Vertical

Test Mode:	802.11b-Antenna1	Test Date:	2023-10-21
Test Channel:	06	Test Engineer:	Stone Zhang
Remark:	1. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 2. This is the worst case of Radiated Emission for 1-18GHz.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1328.0000	48.30	-14.12	74.00	25.70	PK	Horizontal
1328.0000	42.26	-14.12	54.00	11.74	AV	Horizontal
1594.0000	42.66	-13.51	54.00	11.34	AV	Horizontal
1596.0000	47.73	-13.50	74.00	26.27	PK	Horizontal
1728.0000	39.57	-12.91	54.00	14.43	AV	Horizontal
1732.0000	45.31	-12.90	74.00	28.69	PK	Horizontal
4820.0000	55.51	-2.61	74.00	18.49	PK	Horizontal
4820.0000	45.69	-2.61	54.00	8.31	AV	Horizontal
1140.0000	47.43	-14.40	74.00	26.57	PK	Vertical
1168.0000	40.61	-14.36	54.00	13.39	AV	Vertical
1594.0000	45.64	-13.51	54.00	8.36	AV	Vertical
1598.0000	49.32	-13.50	74.00	24.68	PK	Vertical
4820.0000	56.24	-2.61	74.00	17.76	PK	Vertical
4825.0000	47.02	-2.61	54.00	6.98	AV	Vertical
6370.0000	51.46	1.43	74.00	22.54	PK	Vertical
6390.0000	43.49	1.49	54.00	10.51	AV	Vertical

Test Mode:	802.11b-Antenna1	Test Date:	2023-10-21
Test Channel:	11	Test Engineer:	Stone Zhang
Remark:	1. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 2. This is the worst case of Radiated Emission for 1-18GHz.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1328.0000	45.89	-14.12	74.00	28.11	PK	Horizontal
1328.0000	43.24	-14.12	54.00	10.76	AV	Horizontal
1598.0000	47.77	-13.50	74.00	26.23	PK	Horizontal
1598.0000	44.68	-13.50	54.00	9.32	AV	Horizontal
4920.0000	57.19	-2.37	74.00	16.81	PK	Horizontal
4925.0000	46.96	-2.37	54.00	7.04	AV	Horizontal
7370.0000	51.93	3.84	74.00	22.07	PK	Horizontal
7430.0000	43.02	3.83	54.00	10.98	AV	Horizontal
1110.0000	42.94	-14.46	54.00	11.06	AV	Vertical
1118.0000	47.60	-14.44	74.00	26.40	PK	Vertical
1594.0000	50.93	-13.51	74.00	23.07	PK	Vertical
1594.0000	47.62	-13.51	54.00	6.38	AV	Vertical
4920.0000	57.48	-2.37	74.00	16.52	PK	Vertical
4925.0000	46.50	-2.37	54.00	7.50	AV	Vertical
6380.0000	54.11	1.46	74.00	19.89	PK	Vertical
6380.0000	46.52	1.46	54.00	7.48	AV	Vertical

Test Mode:	802.11b-Antenna2	Test Date:	2023-10-21
Test Channel:	01	Test Engineer:	Stone Zhang
Remark:	1. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 2. This is the worst case of Radiated Emission for 1-18GHz		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1260.0000	45.21	-14.22	74.00	28.79	PK	Horizontal
1260.0000	39.81	-14.22	54.00	14.19	AV	Horizontal
1594.0000	46.52	-13.51	74.00	27.48	PK	Horizontal
1594.0000	45.34	-13.51	54.00	8.66	AV	Horizontal
4820.0000	36.14	-2.61	54.00	17.86	AV	Horizontal
4820.0000	46.11	-2.61	74.00	27.89	PK	Horizontal
7430.0000	51.96	3.83	74.00	22.04	PK	Horizontal
7435.0000	43.24	3.85	54.00	10.76	AV	Horizontal
1118.0000	48.37	-14.44	74.00	25.63	PK	Vertical
1118.0000	42.00	-14.44	54.00	12.00	AV	Vertical
1416.0000	49.91	-13.97	74.00	24.09	PK	Vertical
1416.0000	47.77	-13.97	54.00	6.23	AV	Vertical
3995.0000	35.32	-4.82	54.00	18.68	AV	Vertical
3995.0000	46.59	-4.82	74.00	27.41	PK	Vertical
6380.0000	43.19	1.46	54.00	10.81	AV	Vertical
6390.0000	50.28	1.49	74.00	23.72	PK	Vertical

Test Mode:	802.11b-Antenna2	Test Date:	2023-10-21
Test Channel:	06	Test Engineer:	Stone Zhang
Remark:	1. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report. 2. This is the worst case of Radiated Emission for 1-18GHz		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1194.0000	47.81	-14.34	74.00	26.19	PK	Horizontal
1226.0000	41.95	-14.28	54.00	12.05	AV	Horizontal
1594.0000	46.32	-13.51	74.00	27.68	PK	Horizontal
1594.0000	41.99	-13.51	54.00	12.01	AV	Horizontal
4870.0000	37.79	-2.52	54.00	16.21	AV	Horizontal
4870.0000	49.70	-2.52	74.00	24.30	PK	Horizontal
8310.0000	53.14	4.89	74.00	20.86	PK	Horizontal
8325.0000	43.89	5.01	54.00	10.11	AV	Horizontal
1328.0000	49.88	-14.12	74.00	24.12	PK	Vertical
1328.0000	42.48	-14.12	54.00	11.52	AV	Vertical
1844.0000	49.34	-12.44	74.00	24.66	PK	Vertical
1844.0000	43.04	-12.44	54.00	10.96	AV	Vertical
4785.0000	37.15	-2.65	54.00	16.85	AV	Vertical
4870.0000	47.17	-2.52	74.00	26.83	PK	Vertical
6375.0000	44.34	1.44	54.00	9.66	AV	Vertical
6390.0000	51.60	1.49	74.00	22.40	PK	Vertical