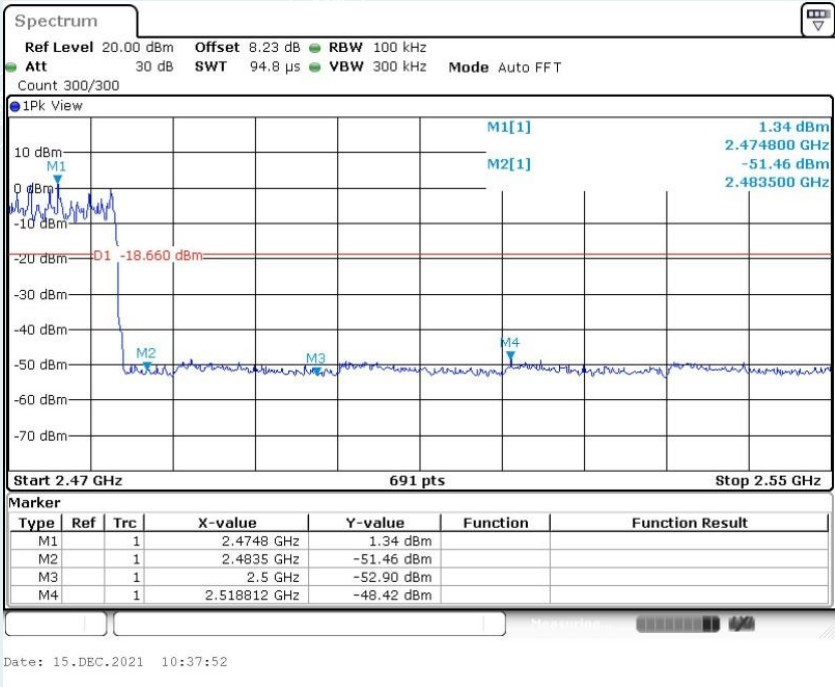
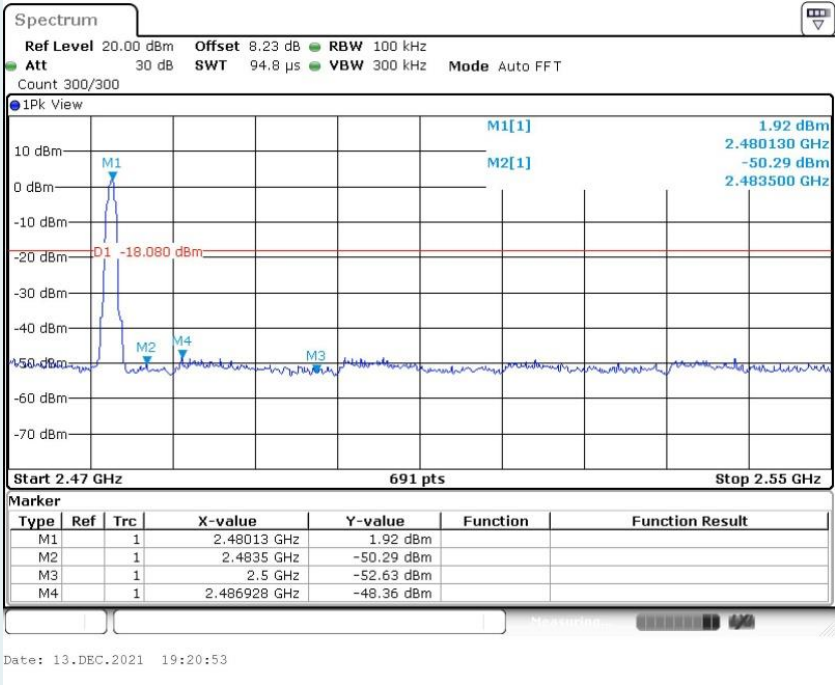
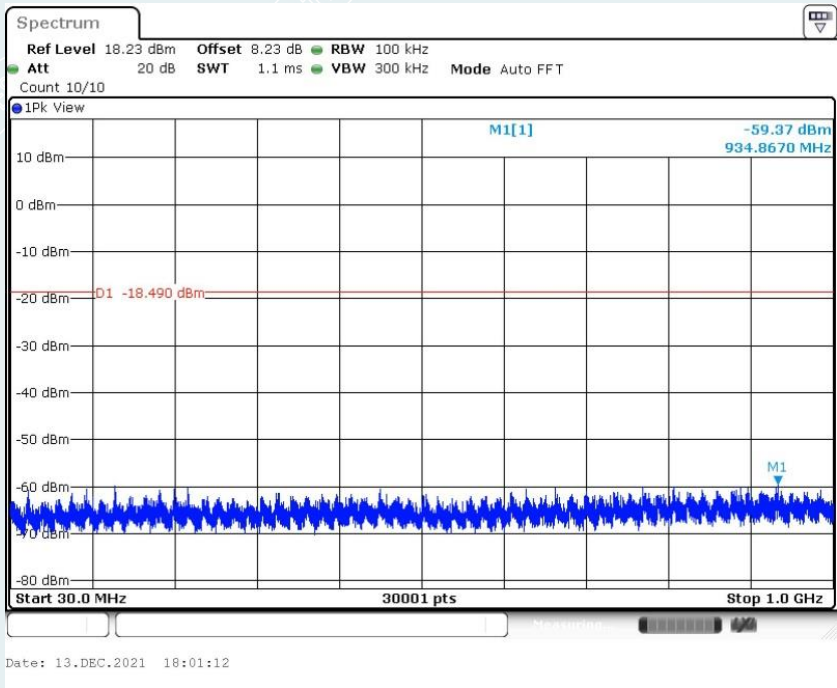
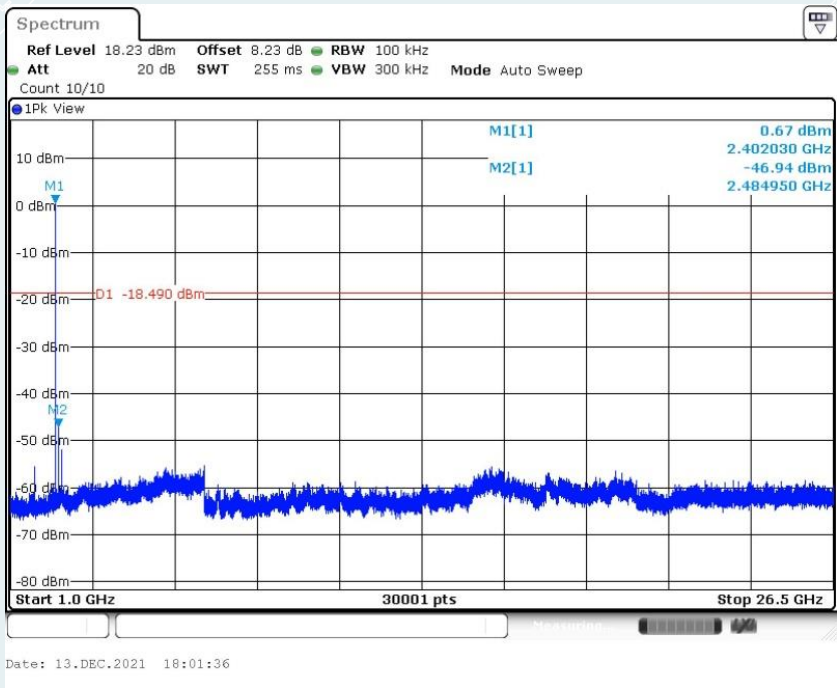


CH High (2.47GHz ~ 2.55GHz)



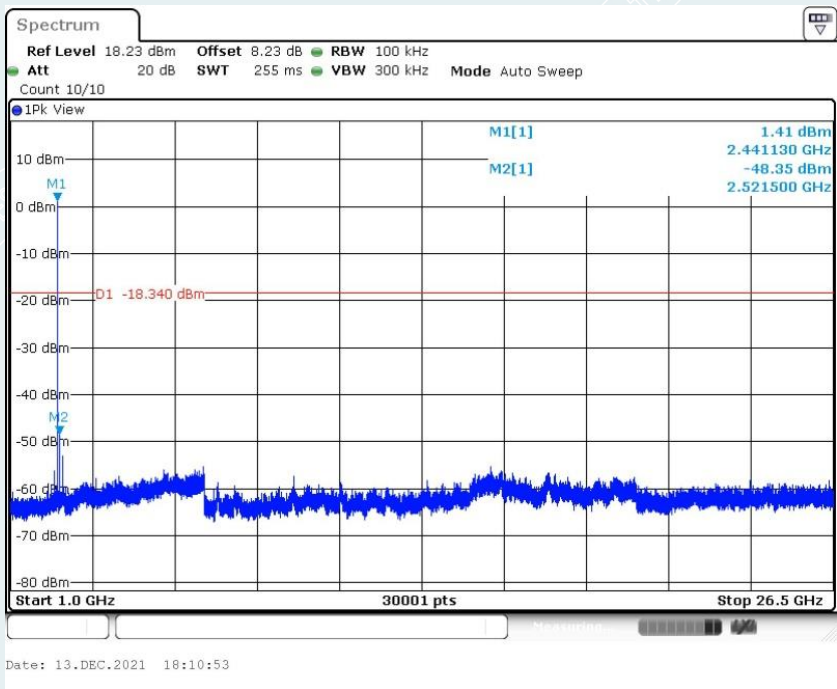
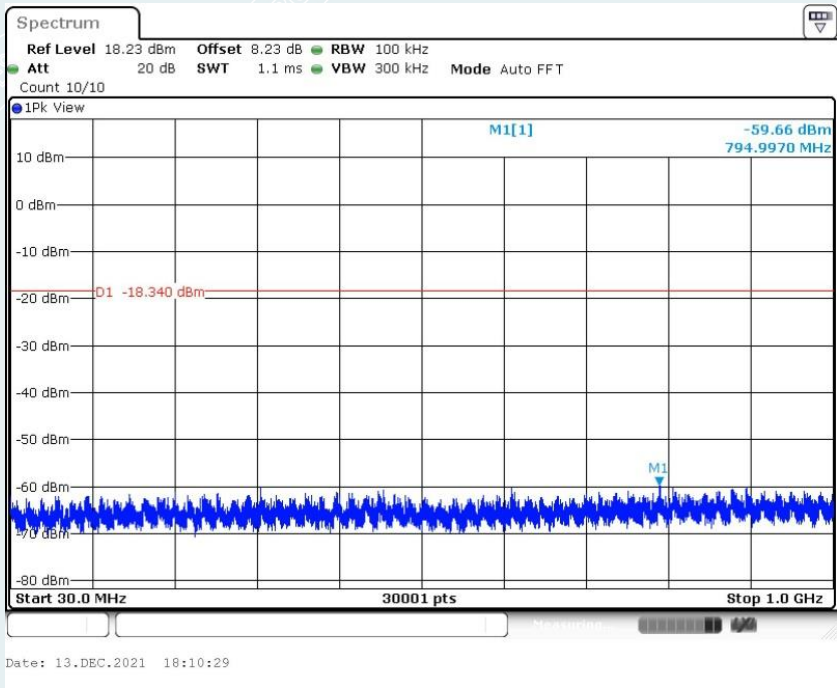
Spurious Emissions
DH5
CH Low



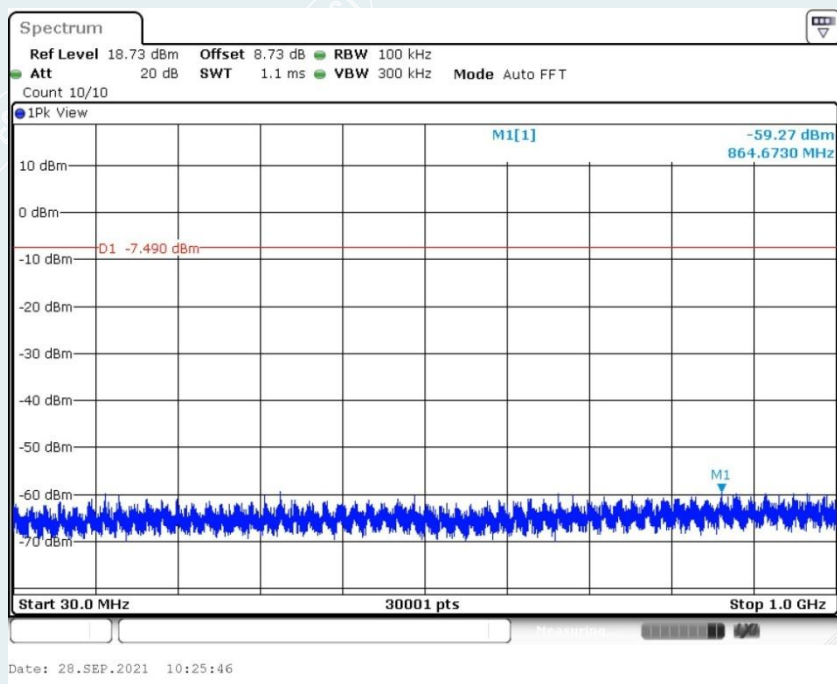
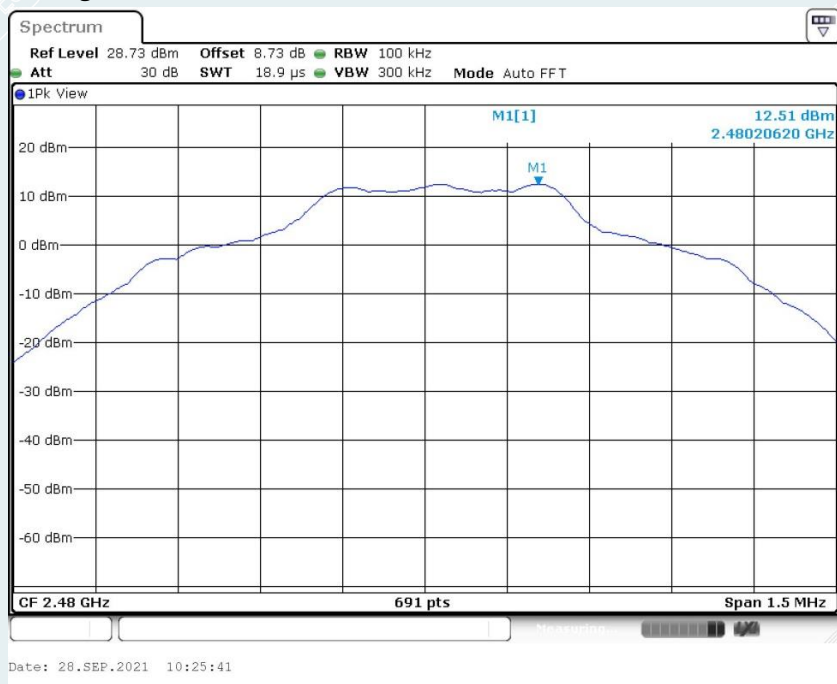


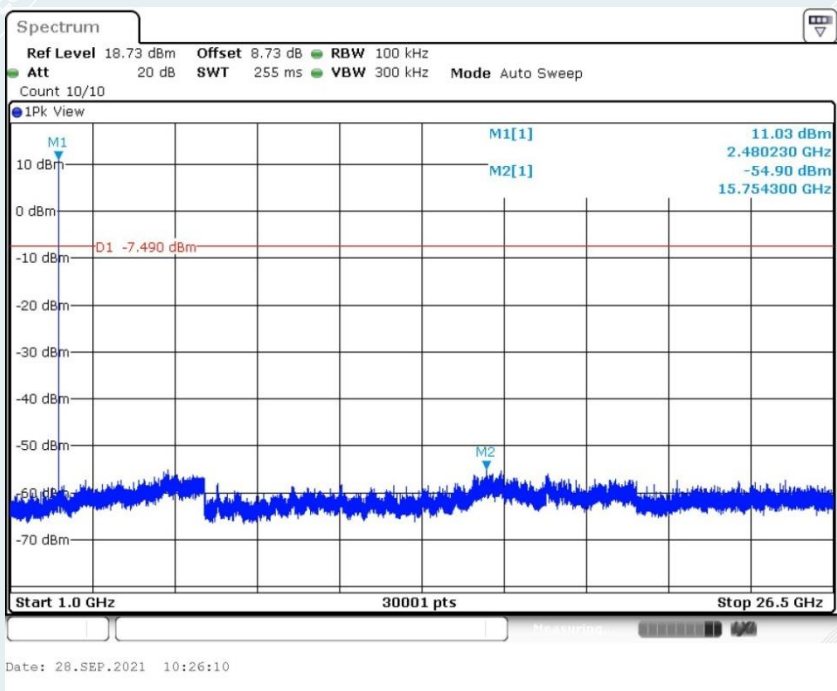
CH Mid



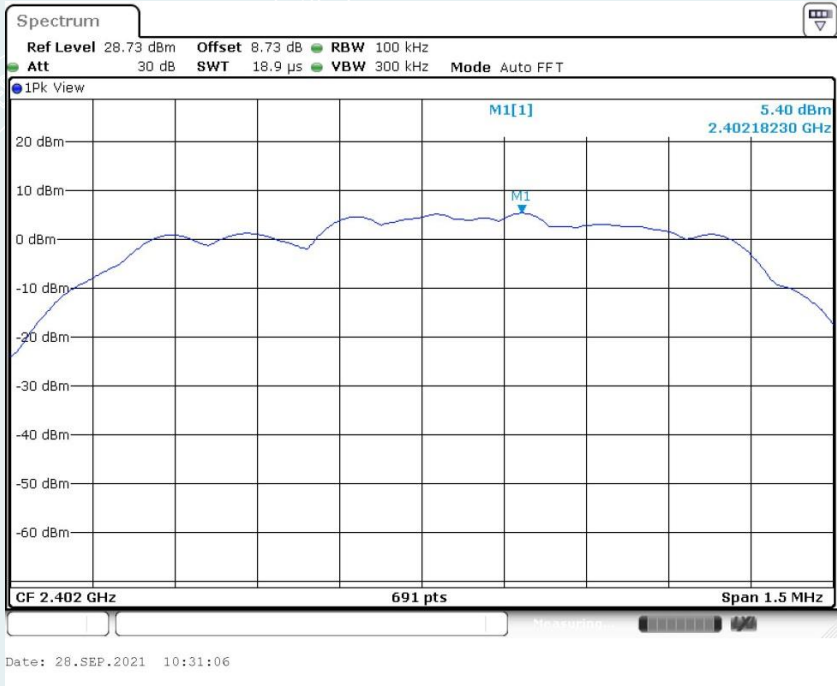


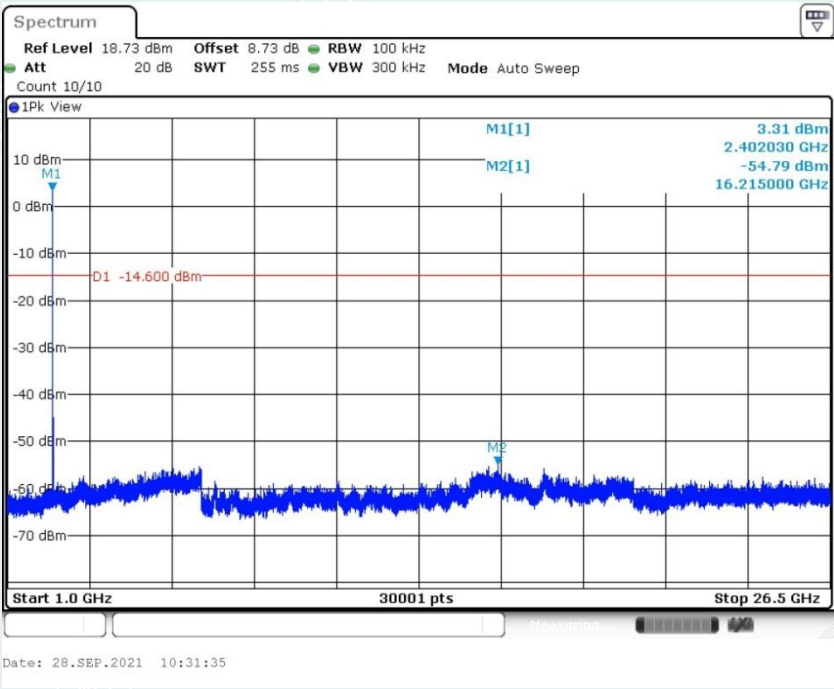
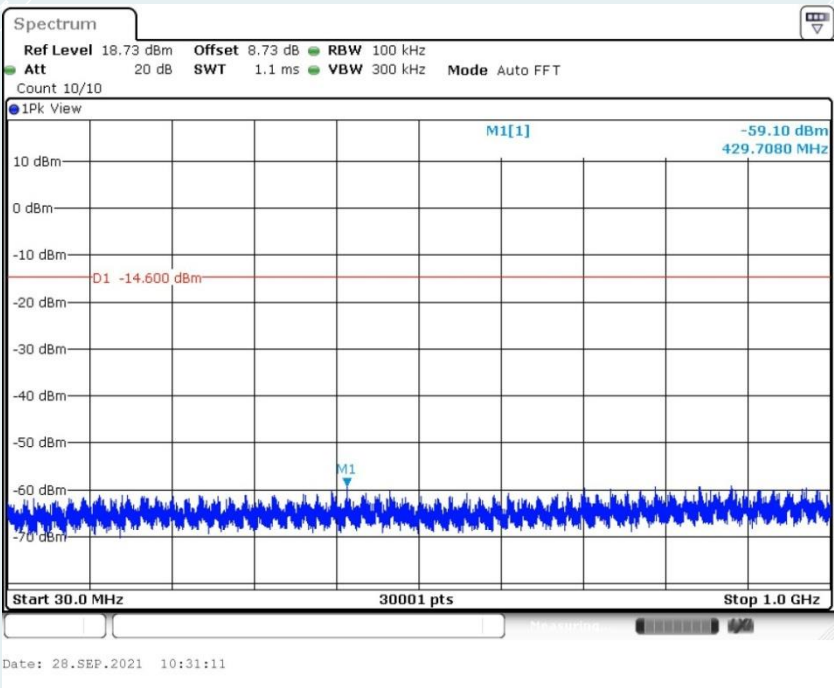
CH High



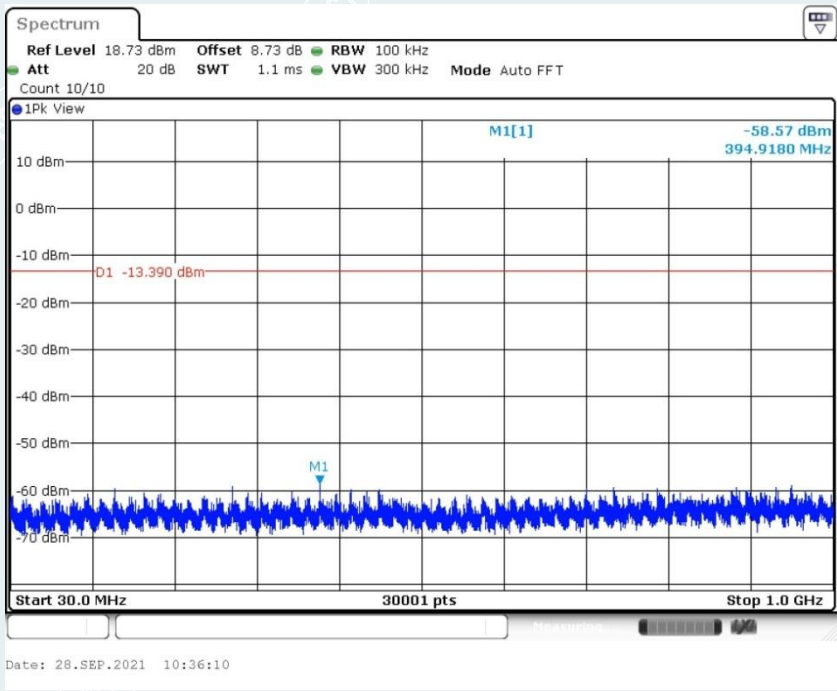
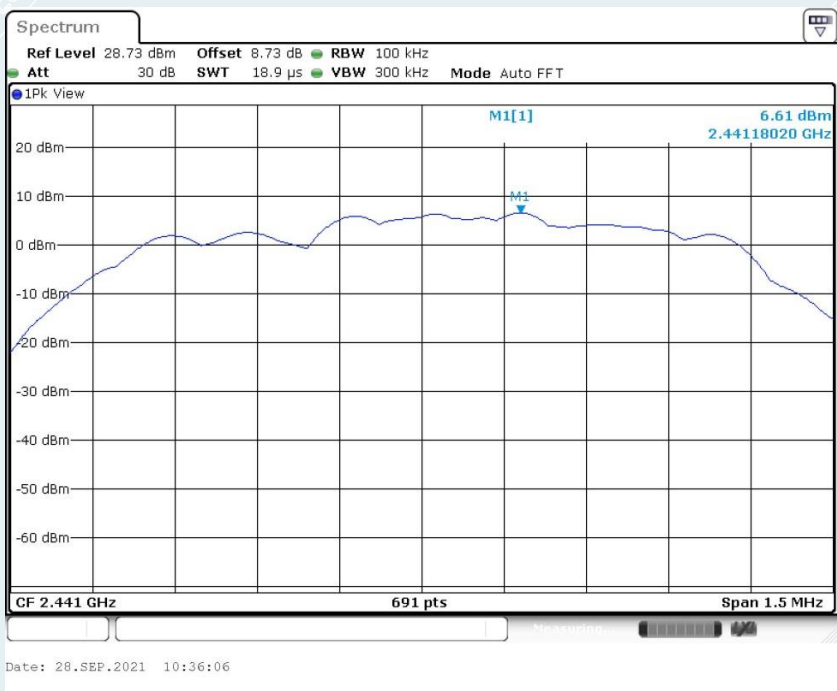


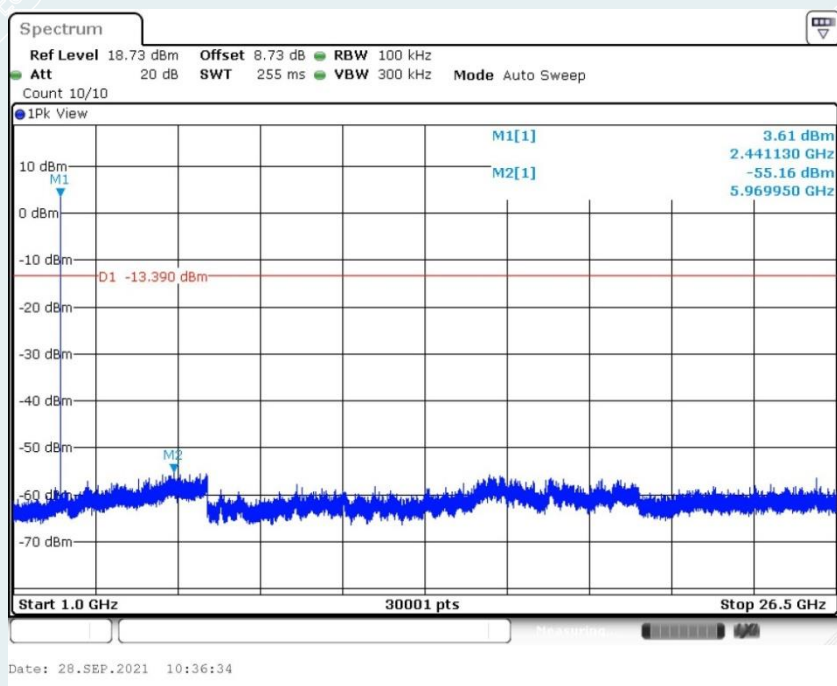
2DH5
CH Low



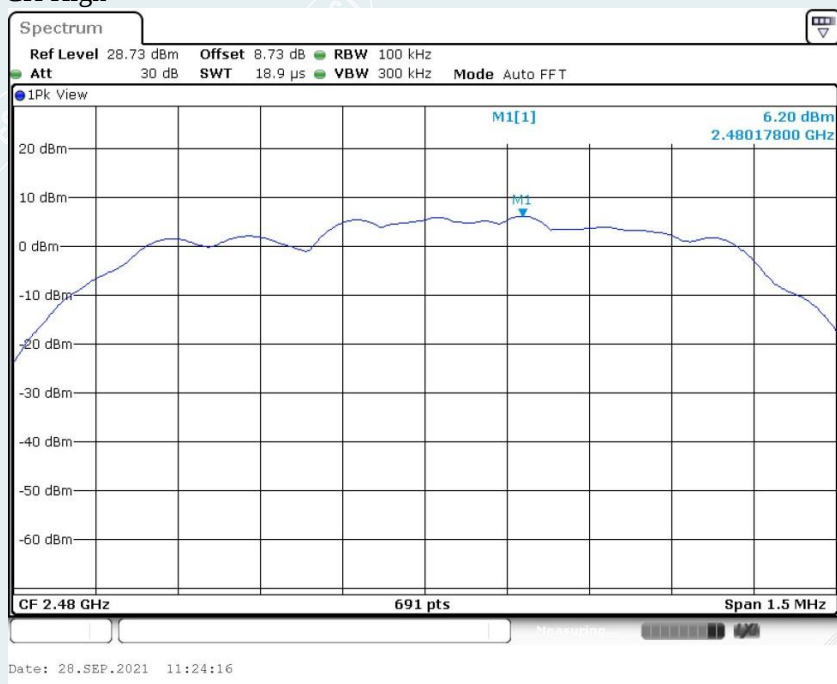


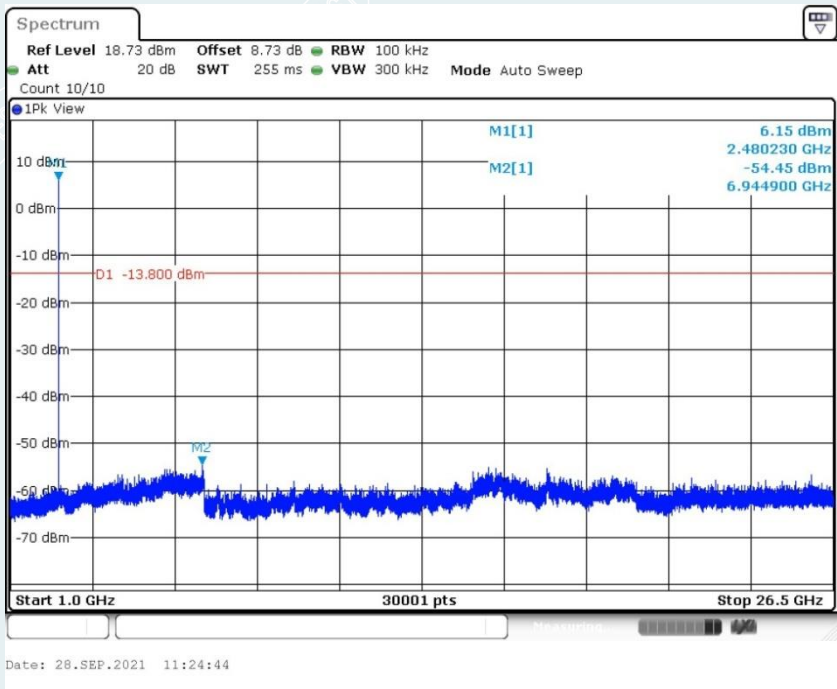
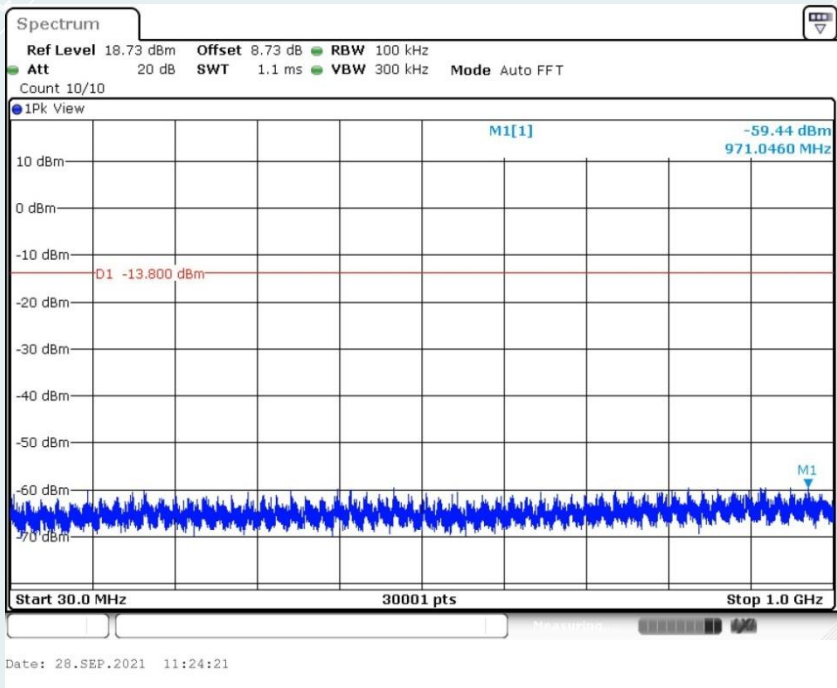
CH Mid



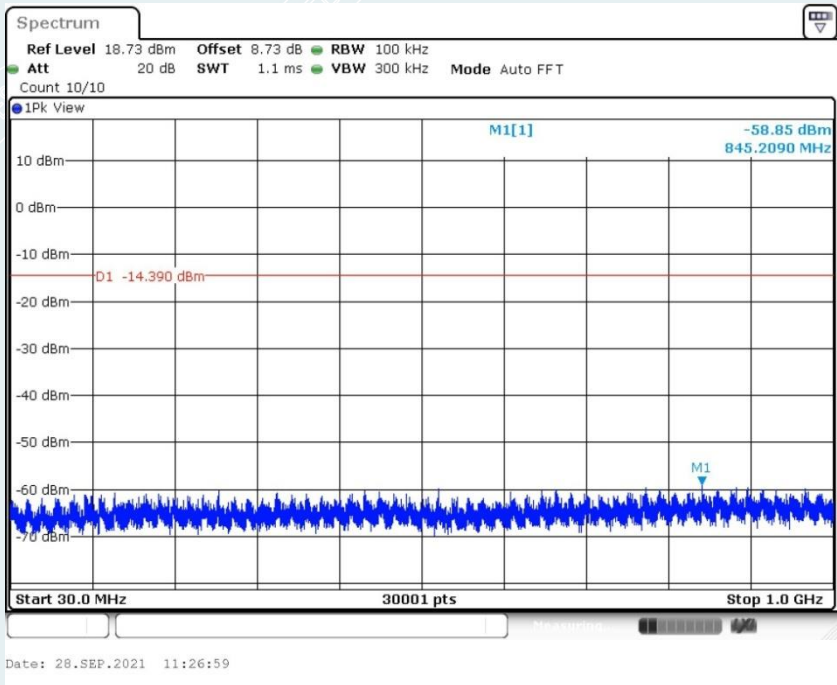
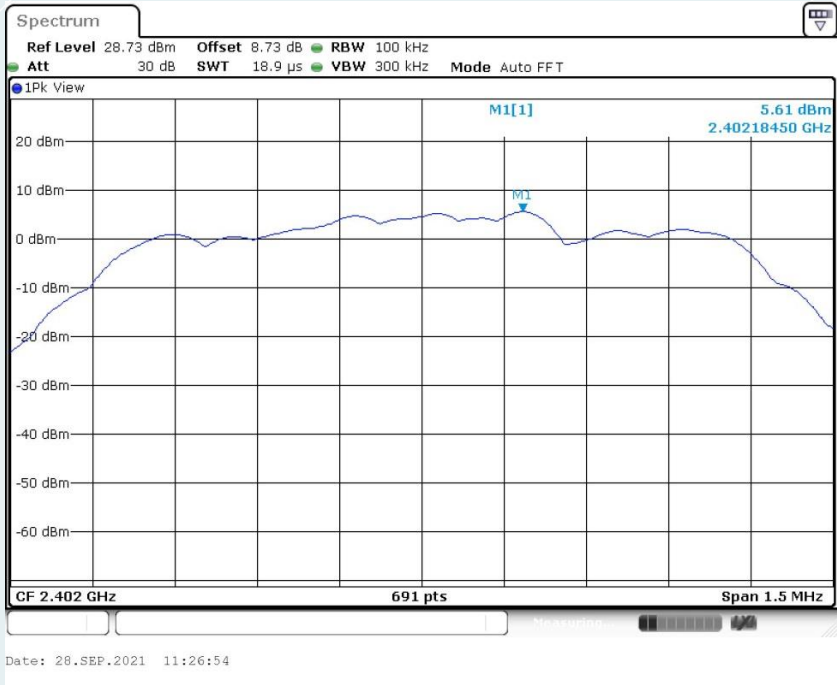


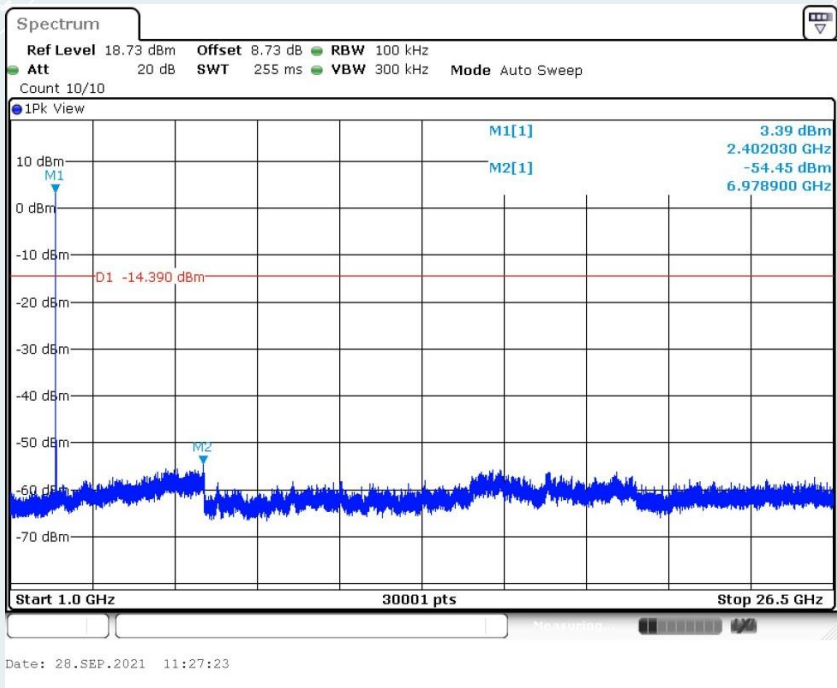
CH High





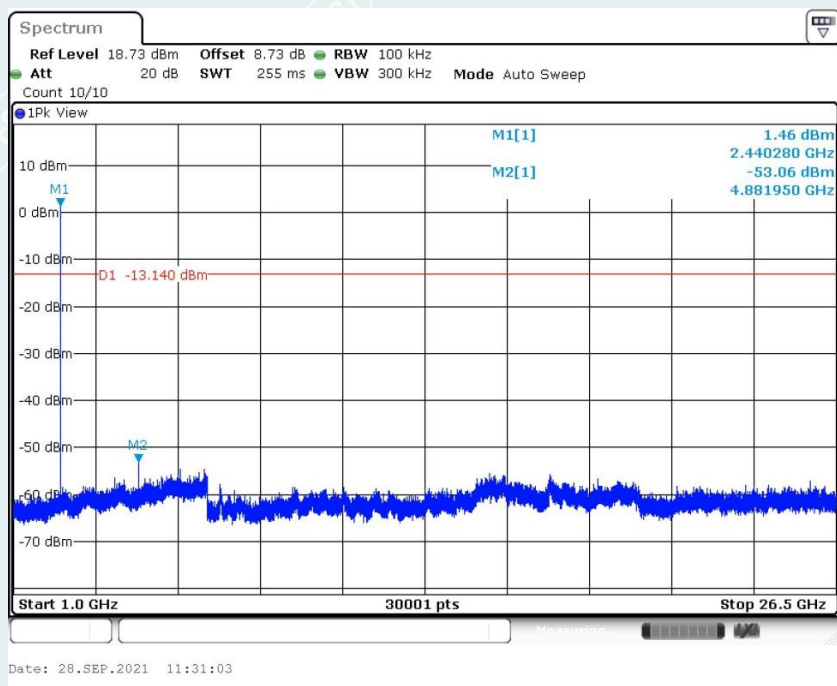
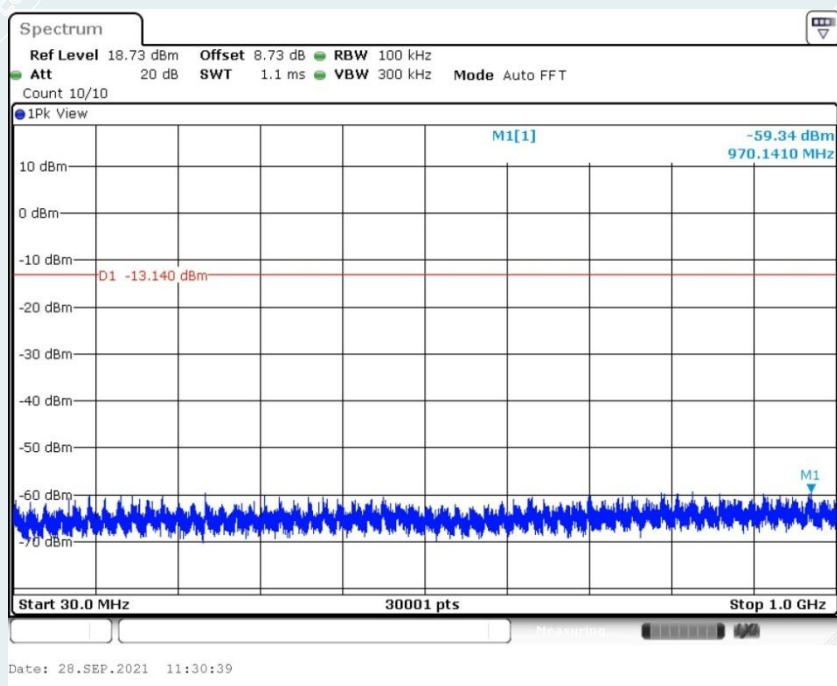
3DH5
CH Low



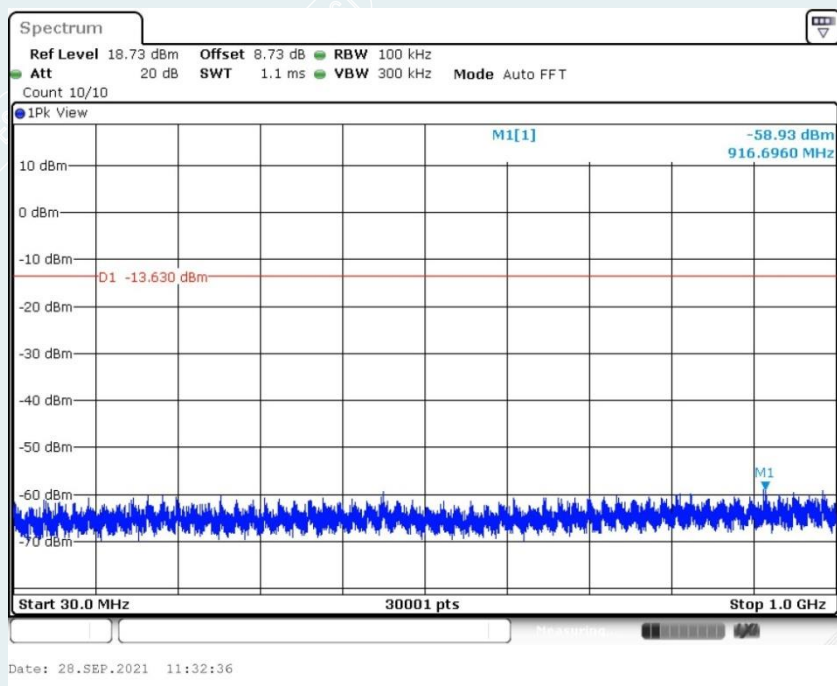
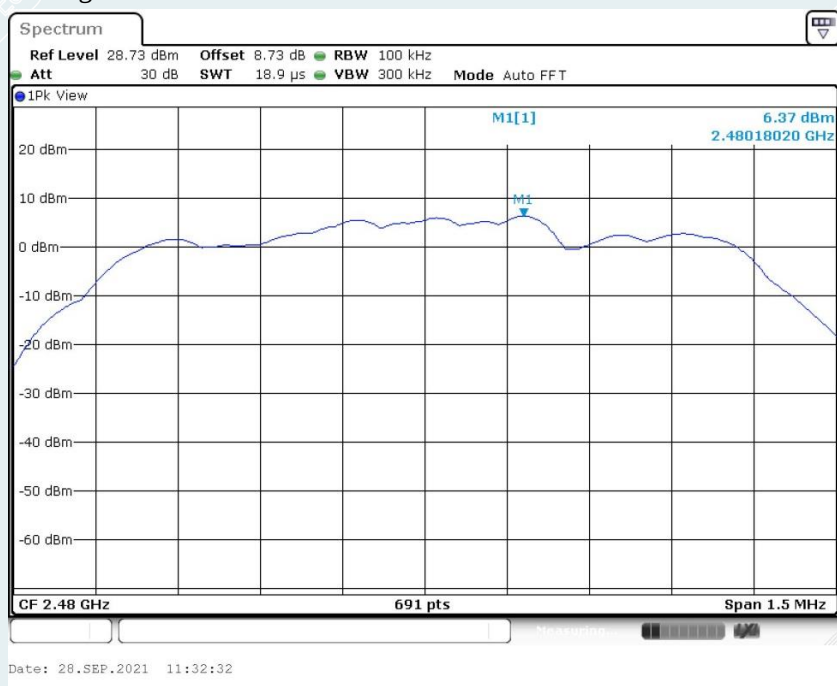


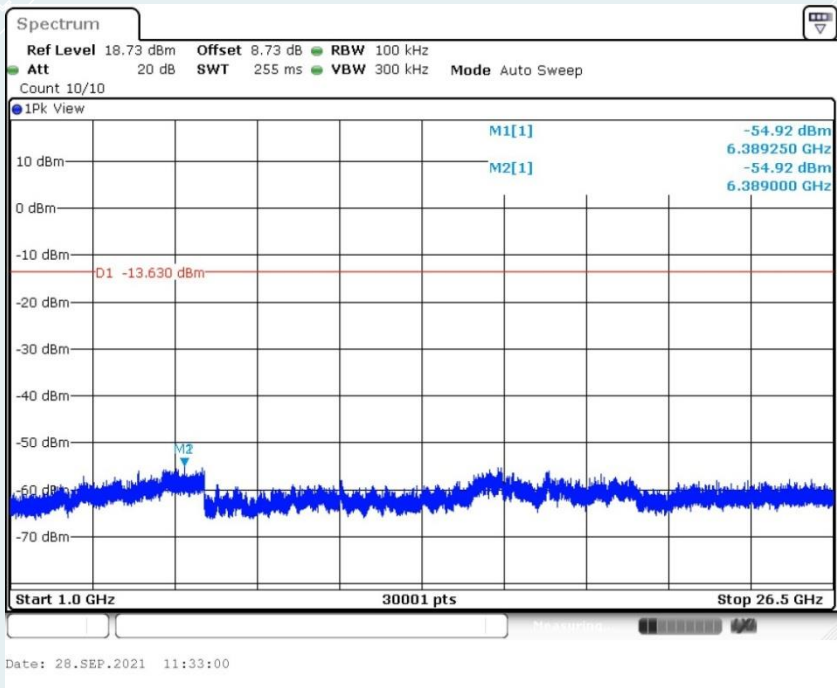
CH Mid





CH High





----- The following blanks -----

6.9 RADIATED SPURIOUS EMISSIONS

6.9.1 LIMITS

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30dB instead of 20dB. Attenuation below the general limits specified in §15.209(a) is not required.

Frequency (MHz)	Quasi-peak(μ V/m)	Measurement distance(m)	Quasi-peak(dB μ V/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

NOTE:

- (1) The emission limits for the ranges 9-90kHz and 110-490kHz are based on measurements employing a linear average detector.
- (2) The lower limit shall apply at the transition frequencies.

6.9.2 TEST PROCEDURES

1) Sequence of testing 9kHz to 30MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Pre measurement:

- The turntable rotates from 0 ° to 360 °.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the pre measurement the software maximizes by rotating the turntable position (0 ° to 360 °) and by rotating the elevation axes (0 ° to 360 °).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QP detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

2) Sequence of testing 30MHz to 1GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0 °to 360 °.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 4 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable rotates from 0 °to 360 °and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1GHz to 18GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0 °to 360 °.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 4 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable rotates from 0 °to 360 °and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Pre measurement:

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

Final measurement:

--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

NOTE:

(a).The frequency from 9kHz to 150kHz, Set RBW=300Hz(for Peak&AVG), RBW=300Hz(for Peak&AVG). the frequency from 150kHz to 30MHz, Set RBW=9kHz, RBW=9kHz, (for QP Detector).

(b).The frequency from 30MHz to 1GHz, Set RBW=120kHz, RBW=300kHz, (for QP Detector).

(c).The frequency above 1GHz, for Peak detector: Set RBW=1MHz, RBW=3MHz.

(d).The frequency above 1GHz, for Avg detector: Set RBW=1MHz, if the EUT is configured to transmit with duty cycle $\geq 98\%$, set $VBW \leq RBW/100$ (i.e.,10kHz) but not less than 10 Hz. if the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$, Where T is defined in section 2.8.

----- The following blanks -----

6.9.3 TEST SETUP

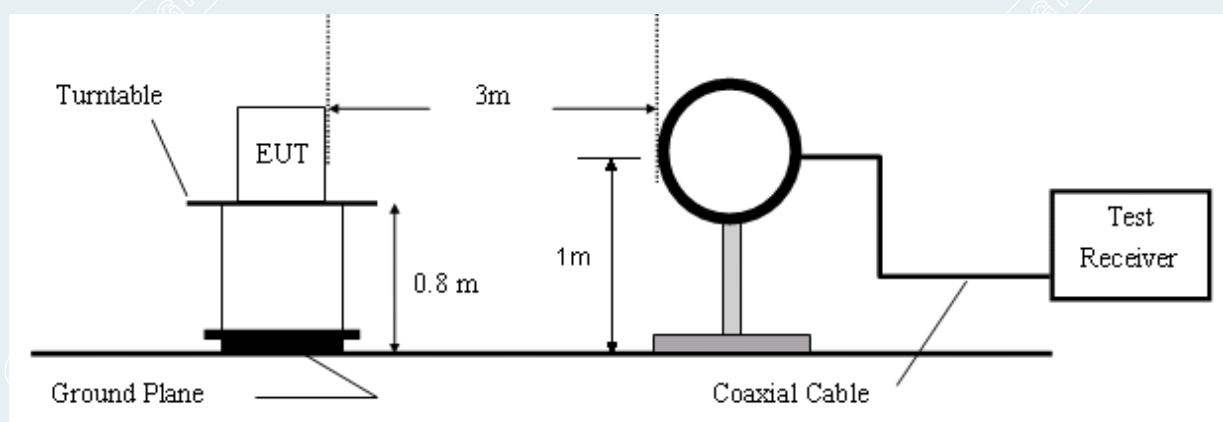


Figure 1. 9kHz to 30MHz radiated emissions test configuration

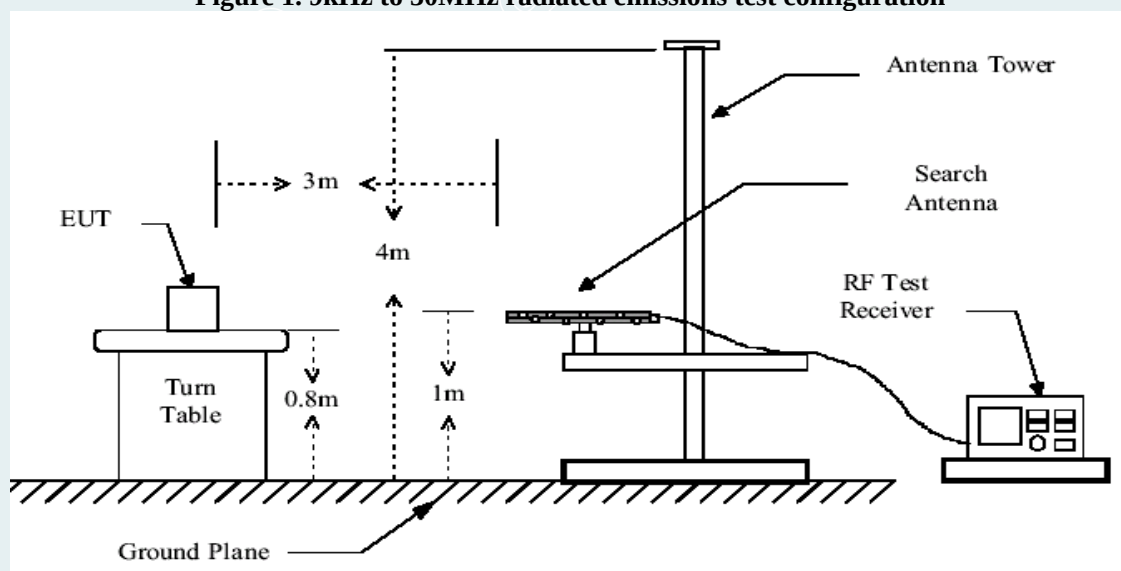


Figure 2. 30MHz to 1GHz radiated emissions test configuration

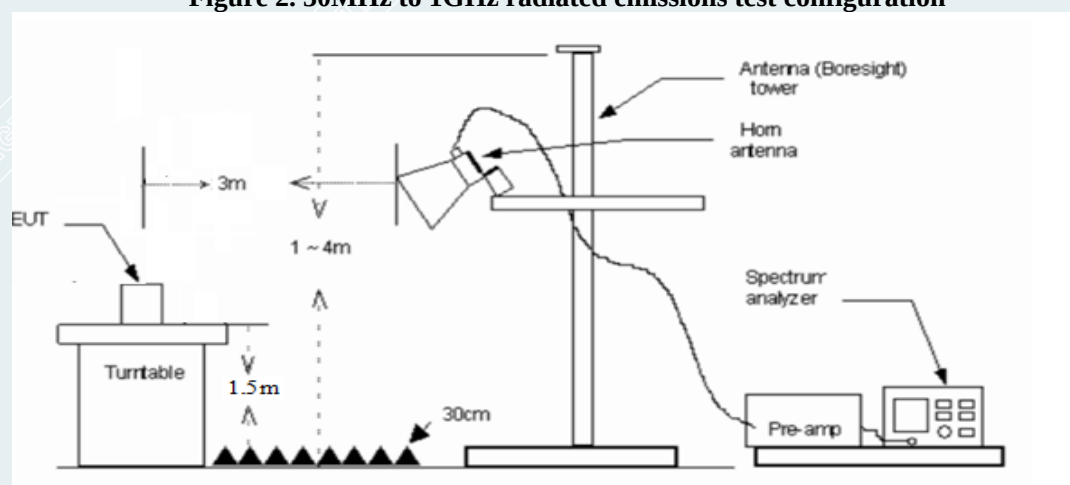


Figure 3. 1GHz to 18GHz radiated emissions test configuration

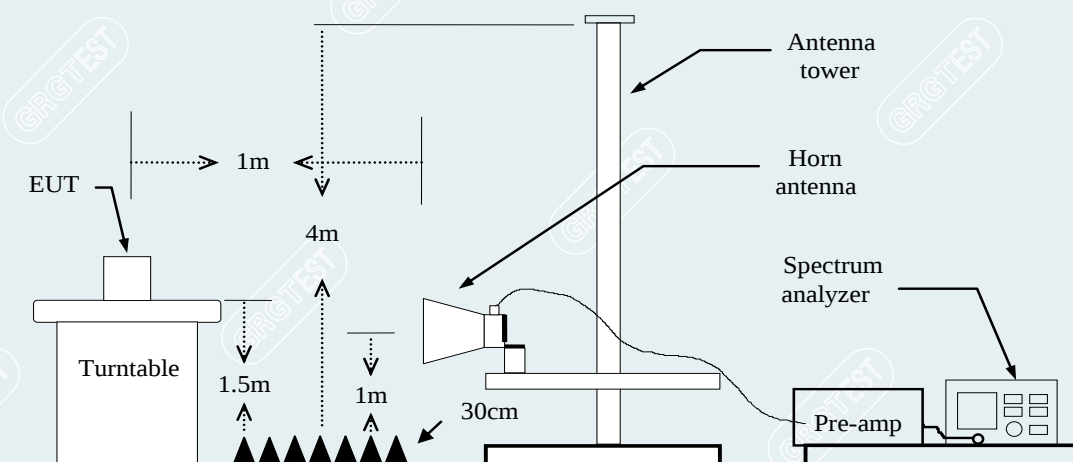


Figure 4. 18GHz to 26.5GHz radiated emissions test configuration

6.9.4 DATA SAMPLE

30MHz to 1GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	37.06	-15.48	21.58	40.00	-18.42	QP	Vertical

1GHz-18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	65.45	-11.12	54.33	74.00	-19.67	peak	Vertical
xxx	xxx	63.00	-11.12	51.88	54.00	-2.12	AVG	Vertical

Above 18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	68.86	57.66	-11.20	83.54	25.88	peak	Vertical
xxx	xxx	68.89	-11.20	57.69	63.54	5.85	AVG	Vertical

Frequency (MHz)

= Emission frequency in MHz

Ant.Pol. (H/V)

= Antenna polarization

Reading (dBuV)

= Uncorrected Analyzer / Receiver reading

Correction Factor (dB/m)

= Antenna factor + Cable loss – Amplifier gain

Result (dBuV/m)

= Reading (dBuV) + Correction Factor (dB/m)

Limit (dBuV/m)

= Limit stated in standard

Margin (dB)

= Remark Result (dBuV/m) – Limit (dBuV/m)

Peak

= Peak Reading

QP

= Quasi-peak Reading

AVG

= Average Reading

6.9.5 TEST RESULTS

Below 1GHz:

Mode: DH5

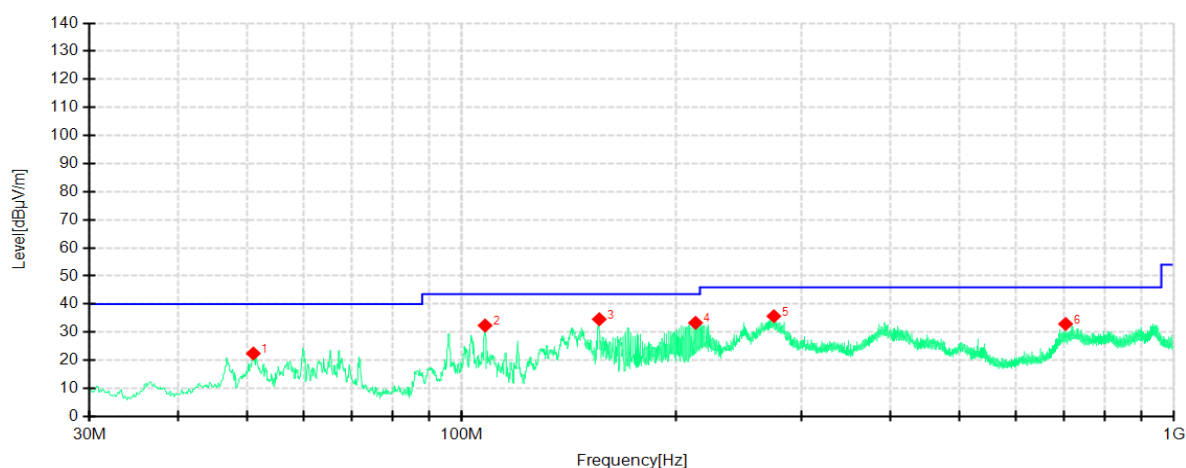
Low Frequency (2402MHz)

Environment: 25°C/60%RH

Test Engineer: Lu Qiang

Date: 2021-12-13

Test Voltage: AC 120V/60Hz



NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.9789	50.23	22.41	-27.82	40.00	17.59	100	205	Horizontal
2	107.8522	60.70	32.38	-28.32	43.50	11.12	260	205	Horizontal
3	155.9945	65.62	34.61	-31.01	43.50	8.89	100	239	Horizontal
4	212.9891	61.46	33.34	-28.12	43.50	10.16	180	177	Horizontal
5	274.3493	61.98	35.70	-26.28	46.00	10.30	310	164	Horizontal
6	704.5981	50.16	32.92	-17.24	46.00	13.08	100	205	Horizontal

Mode: DH5

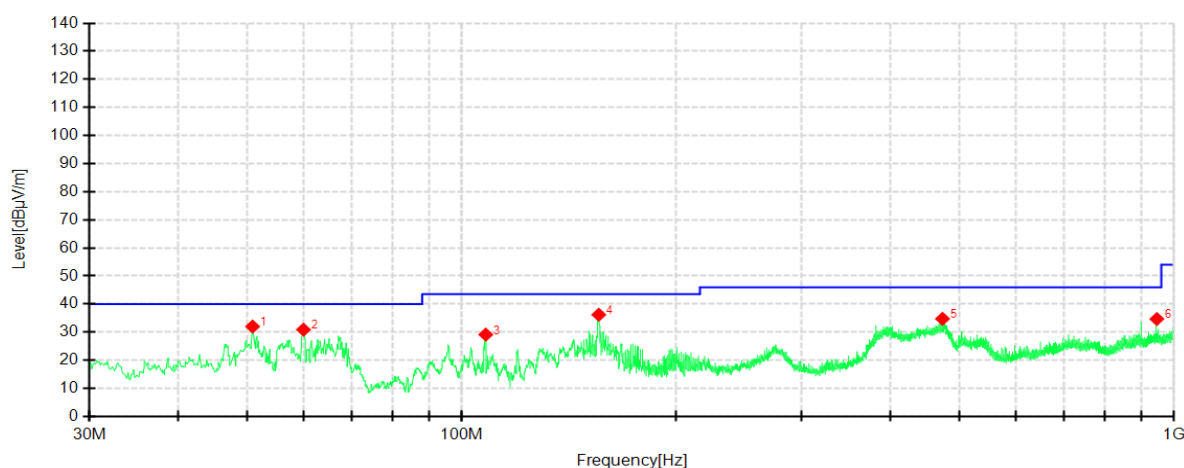
Low Frequency (2402MHz)

Environment: 25°C/60%RH

Test Engineer: Lu Qiang

Date: 2021-12-13

Test Voltage: AC 120V/60Hz



NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.8576	59.81	32.01	-27.80	40.00	7.99	100	79	Vertical
2	59.9525	60.16	30.89	-29.27	40.00	9.11	200	243	Vertical
3	108.0948	57.47	29.14	-28.33	43.50	14.36	100	17	Vertical
4	155.7520	67.24	36.21	-31.03	43.50	7.29	200	356	Vertical
5	473.2242	56.07	34.76	-21.31	46.00	11.24	270	161	Vertical
6	946.5221	48.35	34.69	-13.66	46.00	11.31	100	209	Vertical

Remark:

- 1 No emission found between lowest internal used/generated frequency to 30MHz.
- 2 Pre-scan all mode and recorded the worst case results in this report (TX-Low Channel(1Mbps))
- 3 Measuring frequencies from 9kHz to the 1GHz.
- 4 Radiated emissions measured in frequency range from 30MHz to 1GHz were made with an instrument using Peak/Quasi-peak detector mode.
- 5 Data of measurement within this frequency range shown “ --- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 6 The IF bandwidth of SPA between 30MHz to 1GHz was 120kHz.

Above 1GHz:

Mode: DH5

Lowest Frequency (2402MHz)

Environment: 25°C/60%RH

Test Engineer: Lu Qiang

Date: 2021-12-08

Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1593.0741	76.07	53.16	-22.91	74.00	20.84	100	250	Horizontal
2	1992.6241	70.19	48.58	-21.61	74.00	25.42	100	258	Horizontal
3	4982.1228	51.02	41.16	-9.86	74.00	32.84	200	306	Horizontal
4	5400.3000	54.97	44.47	-10.50	74.00	29.53	200	109	Horizontal
5	7206.1508	53.29	50.10	-3.19	74.00	23.90	200	241	Horizontal
6	11356.0445	43.39	48.13	4.74	74.00	25.87	200	281	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1599.1437	-22.91	53.29	30.38	54.00	23.62	141	134	Horizontal
2	1997.3466	-21.61	51.33	29.72	54.00	24.28	132	236	Horizontal
3	7205.7905	-3.19	41.32	38.13	54.00	15.87	200	200	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1394.5493	74.34	50.82	-23.52	74.00	23.18	100	347	Vertical
2	1593.3242	74.14	51.23	-22.91	74.00	22.77	100	324	Vertical
3	2995.9995	67.01	49.33	-17.68	74.00	24.67	100	307	Vertical
4	4989.6237	54.72	44.91	-9.81	74.00	29.09	100	282	Vertical
5	5400.3000	54.59	44.09	-10.50	74.00	29.91	200	200	Vertical
6	9240.7801	48.19	48.95	0.76	74.00	25.05	100	151	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1387.8694	-23.51	46.37	22.86	54.00	31.14	199	297	Vertical
2	1594.6945	-22.91	51.76	28.85	54.00	25.15	105	194	Vertical
3	3010.5601	-17.68	43.67	25.99	54.00	28.01	128	87	Vertical
4	9239.4864	0.76	40.98	41.74	54.00	12.26	102	171	Vertical

Mode: DH5
 Middle Frequency (2441MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1003.0004	66.17	41.02	-25.15	74.00	32.98	200	136	Horizontal
2	1749.8437	66.58	44.14	-22.44	74.00	29.86	200	217	Horizontal
3	2700.2125	63.55	45.16	-18.39	74.00	28.84	200	152	Horizontal
4	4880.8601	51.36	41.47	-9.89	74.00	32.53	200	134	Horizontal
5	5400.3000	54.73	44.23	-10.50	74.00	29.77	200	110	Horizontal
6	7322.4153	51.39	47.26	-4.13	74.00	26.74	100	216	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7322.7082	-4.13	41.72	37.59	54.00	16.41	174	224	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1000.0000	67.37	42.21	-25.16	74.00	31.79	200	177	Vertical
2	1749.5937	67.71	45.27	-22.44	74.00	28.73	200	177	Vertical
3	2700.2125	62.07	43.68	-18.39	74.00	30.32	200	202	Vertical
4	3586.9484	58.91	44.18	-14.73	74.00	29.82	200	323	Vertical
5	5400.3000	54.54	44.04	-10.50	74.00	29.96	200	216	Vertical
6	9240.7801	48.61	49.37	0.76	74.00	24.63	200	167	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	40.74	41.50	54.00	12.50	195	189	Vertical

Mode: DH5
 Highest Frequency (2480MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1727.5909	66.09	43.69	-22.40	74.00	30.31	100	127	Horizontal
2	2700.2125	63.33	44.94	-18.39	74.00	29.06	200	200	Horizontal
3	4642.7053	52.47	42.04	-10.43	74.00	31.96	200	143	Horizontal
4	4959.6200	50.95	40.94	-10.01	74.00	33.06	100	209	Horizontal
5	5400.3000	54.66	44.16	-10.50	74.00	29.84	200	111	Horizontal
6	7440.5551	52.73	49.02	-3.71	74.00	24.98	100	226	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7439.7366	-3.71	42.55	38.84	54.00	15.16	100	224	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1752.3440	67.62	45.20	-22.42	74.00	28.80	200	175	Vertical
2	2700.2125	62.57	44.18	-18.39	74.00	29.82	200	184	Vertical
3	3611.3264	58.09	43.72	-14.37	74.00	30.28	200	359	Vertical
4	5400.3000	56.13	45.63	-10.50	74.00	28.37	200	218	Vertical
5	7440.5551	48.97	45.26	-3.71	74.00	28.74	200	169	Vertical
6	9240.7801	48.72	49.48	0.76	74.00	24.52	200	193	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7439.7366	-3.71	38.48	34.77	54.00	19.23	200	170	Vertical
2	9239.4864	0.76	42.43	43.19	54.00	10.81	195	146	Vertical

Mode: 2DH5
 Lowest Frequency (2402MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1004.0005	64.93	39.78	-25.15	74.00	34.22	100	118	Horizontal
2	1756.3445	66.82	44.43	-22.39	74.00	29.57	200	208	Horizontal
3	2699.7125	63.62	45.23	-18.39	74.00	28.77	200	142	Horizontal
4	3712.5891	59.58	44.80	-14.78	74.00	29.20	200	136	Horizontal
5	5400.3000	54.49	43.99	-10.50	74.00	30.01	200	259	Horizontal
6	7206.1508	50.27	47.08	-3.19	74.00	26.92	200	178	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7205.7905	-3.19	38.88	35.69	54.00	18.31	200	200	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1002.5003	65.40	40.24	-25.16	74.00	33.76	200	175	Vertical
2	1754.5943	67.85	45.44	-22.41	74.00	28.56	200	167	Vertical
3	2699.9625	62.82	44.43	-18.39	74.00	29.57	200	183	Vertical
4	3461.3077	58.78	43.29	-15.49	74.00	30.71	200	153	Vertical
5	5400.3000	55.05	44.55	-10.50	74.00	29.45	200	210	Vertical
6	9240.7801	48.90	49.66	0.76	74.00	24.34	200	136	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	41.50	42.26	54.00	11.74	195	191	Vertical

Mode: 2DH5
 Middle Frequency (2441MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1004.2505	65.38	40.23	-25.15	74.00	33.77	200	126	Horizontal
2	1742.8429	66.73	44.30	-22.43	74.00	29.70	200	200	Horizontal
3	2700.2125	64.27	45.88	-18.39	74.00	28.12	200	143	Horizontal
4	3613.2017	58.62	44.23	-14.39	74.00	29.77	200	136	Horizontal
5	5400.3000	54.84	44.34	-10.50	74.00	29.66	200	259	Horizontal
6	6838.6048	50.05	45.32	-4.73	74.00	28.68	200	103	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1004.7506	65.43	40.28	-25.15	74.00	33.72	200	175	Vertical
2	1745.8432	67.27	44.84	-22.43	74.00	29.16	200	167	Vertical
3	2700.2125	62.52	44.13	-18.39	74.00	29.87	200	184	Vertical
4	3611.3264	58.09	43.72	-14.37	74.00	30.28	200	360	Vertical
5	5400.3000	55.56	45.06	-10.50	74.00	28.94	200	209	Vertical
6	9240.7801	49.29	50.05	0.76	74.00	23.95	200	201	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	41.12	41.88	54.00	12.12	195	190	Vertical

Mode: 2DH5
 Highest Frequency (2480MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1006.5008	65.30	40.15	-25.15	74.00	33.85	100	123	Horizontal
2	1727.3409	66.53	44.13	-22.40	74.00	29.87	100	123	Horizontal
3	2699.9625	63.47	45.08	-18.39	74.00	28.92	200	143	Horizontal
4	5400.3000	54.65	44.15	-10.50	74.00	29.85	200	119	Horizontal
5	7440.5551	49.37	45.66	-3.71	74.00	28.34	200	193	Horizontal
6	9240.7801	46.54	47.30	0.76	74.00	26.70	200	185	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1000.0000	66.18	41.02	-25.16	74.00	32.98	200	191	Vertical
2	1469.8087	64.29	41.24	-23.05	74.00	32.76	200	167	Vertical
3	1750.3438	67.16	44.72	-22.44	74.00	29.28	200	167	Vertical
4	2699.9625	62.94	44.55	-18.39	74.00	29.45	200	191	Vertical
5	5400.3000	55.54	45.04	-10.50	74.00	28.96	200	210	Vertical
6	9240.7801	48.85	49.61	0.76	74.00	24.39	100	168	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	41.01	41.77	54.00	12.23	105	156	Vertical

Mode: 3DH5
 Lowest Frequency (2402MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1003.2504	65.92	40.77	-25.15	74.00	33.23	200	128	Horizontal
2	1856.6071	65.60	43.73	-21.87	74.00	30.27	200	209	Horizontal
3	2699.7125	63.64	45.25	-18.39	74.00	28.75	200	144	Horizontal
4	3571.9465	60.05	44.79	-15.26	74.00	29.21	200	128	Horizontal
5	5400.3000	55.27	44.77	-10.50	74.00	29.23	200	250	Horizontal
6	7206.1508	52.72	49.53	-3.19	74.00	24.47	200	250	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7205.6464	-3.19	39.59	36.40	54.00	17.60	130	204	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1002.5003	65.65	40.49	-25.16	74.00	33.51	200	183	Vertical
2	1743.8430	67.56	45.13	-22.43	74.00	28.87	200	175	Vertical
3	2700.2125	62.51	44.12	-18.39	74.00	29.88	200	192	Vertical
4	3493.1866	58.37	42.98	-15.39	74.00	31.02	200	151	Vertical
5	5400.3000	54.74	44.24	-10.50	74.00	29.76	200	209	Vertical
6	9240.7801	49.50	50.26	0.76	74.00	23.74	200	193	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.3940	0.76	40.37	41.13	54.00	12.87	195	191	Vertical

Mode: 3DH5
 Middle Frequency (2441MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1004.5006	65.25	40.10	-25.15	74.00	33.90	200	134	Horizontal
2	1762.3453	66.96	44.61	-22.35	74.00	29.39	200	208	Horizontal
3	2699.9625	63.83	45.44	-18.39	74.00	28.56	200	142	Horizontal
4	3495.0619	58.79	43.40	-15.39	74.00	30.60	200	235	Horizontal
5	5400.3000	55.12	44.62	-10.50	74.00	29.38	200	112	Horizontal
6	7322.4153	50.14	46.01	-4.13	74.00	27.99	100	202	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7322.7082	-4.13	38.22	34.09	54.00	19.91	146	190	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1003.5004	65.99	40.84	-25.15	74.00	33.16	200	184	Vertical
2	1722.0903	67.89	45.49	-22.40	74.00	28.51	100	192	Vertical
3	2700.2125	62.49	44.10	-18.39	74.00	29.90	200	184	Vertical
4	3673.2092	58.12	43.35	-14.77	74.00	30.65	200	119	Vertical
5	5400.3000	55.56	45.06	-10.50	74.00	28.94	200	210	Vertical
6	9240.7801	49.07	49.83	0.76	74.00	24.17	200	185	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	40.82	41.58	54.00	12.42	195	189	Vertical

Mode: 3DH5
 Highest Frequency (2480MHz)
 Environment: 25°C/60%RH
 Test Engineer: Lu Qiang

Date: 2021-12-08
 Test Voltage: AC 120V/60Hz

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1003.5004	65.92	40.77	-25.15	74.00	33.23	200	126	Horizontal
2	1825.6032	65.45	43.49	-21.96	74.00	30.51	100	127	Horizontal
3	2699.9625	63.62	45.23	-18.39	74.00	28.77	200	150	Horizontal
4	5400.3000	55.30	44.80	-10.50	74.00	29.20	200	111	Horizontal
5	7440.5551	49.49	45.78	-3.71	74.00	28.22	100	242	Horizontal
6	9240.7801	46.99	47.75	0.76	74.00	26.25	200	168	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	36.50	37.26	54.00	16.74	198	171	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1010.2513	65.87	40.73	-25.14	74.00	33.27	100	86	Vertical
2	1751.5939	67.87	45.44	-22.43	74.00	28.56	200	167	Vertical
3	2700.2125	62.53	44.14	-18.39	74.00	29.86	200	191	Vertical
4	5400.3000	55.42	44.92	-10.50	74.00	29.08	200	210	Vertical
5	7194.8994	48.15	45.02	-3.13	74.00	28.98	100	334	Vertical
6	9240.7801	48.49	49.25	0.76	74.00	24.75	100	168	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9239.4864	0.76	41.62	42.38	54.00	11.62	105	157	Vertical

Remark:

- 1 Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2 The amplitude of 18GHz to 26.5GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
- 3 Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 4 Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

- 5 Spectrum setting:
- a. Peak Setting 1GHz–26.5GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.
 - b. AV Setting 1GHz–26.5GHz, Set RBW=1MHz, if the EUT is configured to transmit with duty cycle $\geq 98\%$, set $VBW \leq RBW/100$ (i.e., 10kHz) but not less than 10 Hz. if the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$, Where T is defined in section 2.8.

Test result: The unit does meet the requirements.

----- The following blanks -----

6.10 RESTRICTED BANDS OF OPERATION

6.10.1 LIMITS

Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

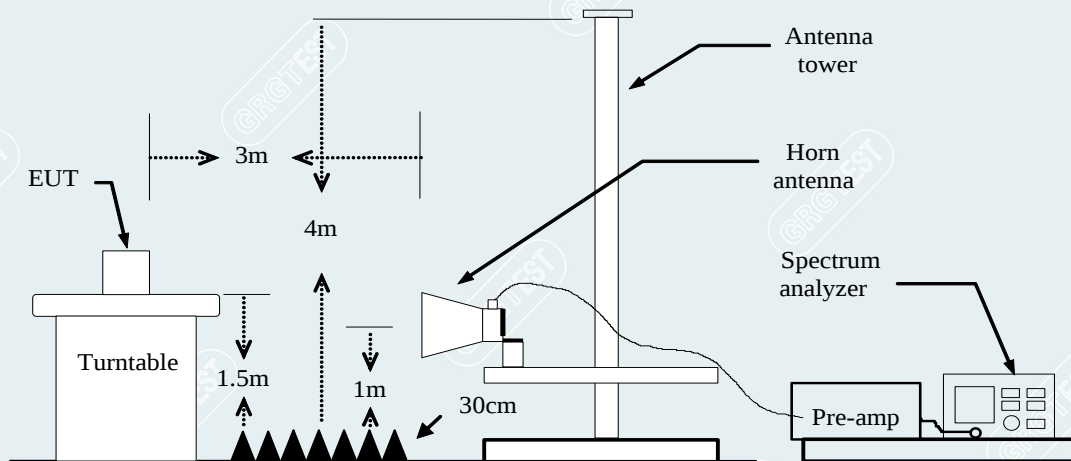
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	
13.36 - 13.41			

Frequency (MHz)	Quasi-peak($\mu\text{V/m}$)	Measurement distance(m)	Quasi-peak(dB $\mu\text{V/m}$)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

6.10.2 TEST PROCEDURES

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO.
 - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

6.10.3 TEST SETUP



----- The following blanks -----

6.10.4 TEST RESULTS

DH5

Lowest Channel

Frequency 2402MHz

Environment: 25°C/60%RH

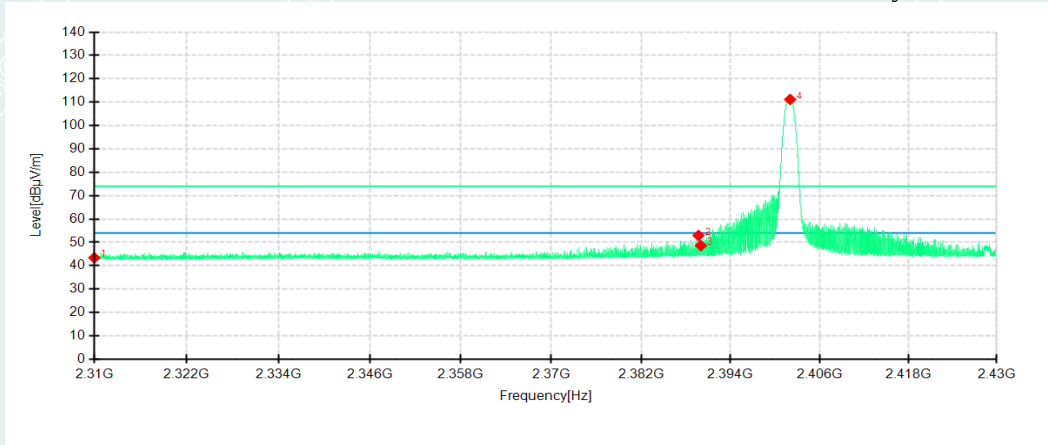
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC120V/60Hz

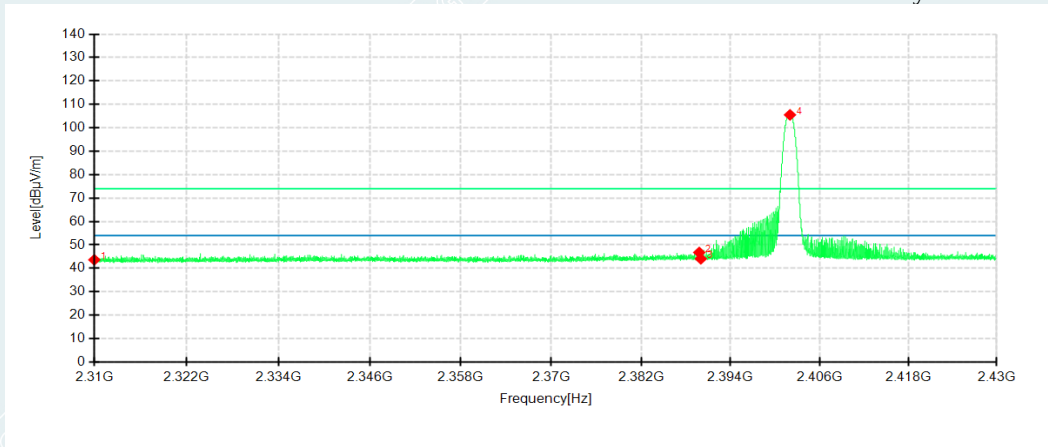
Date: 2021-12-16

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

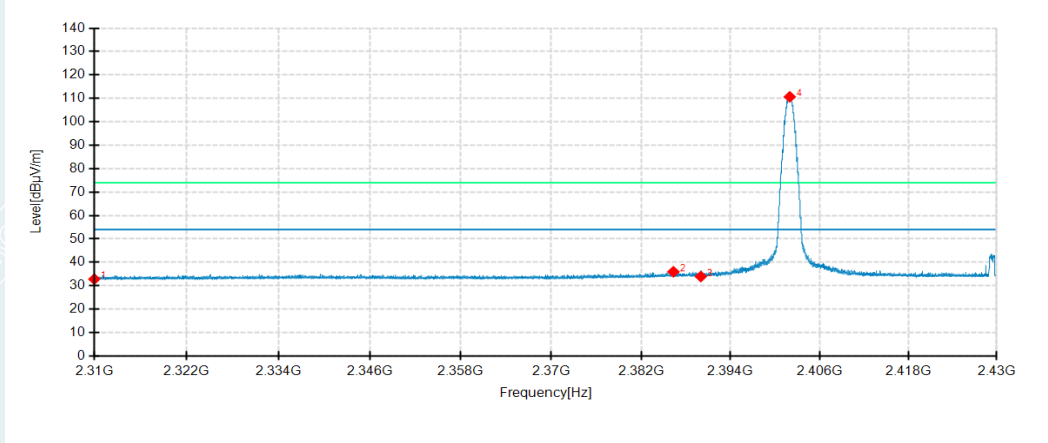


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	39.93	43.41	3.48	74.00	30.59	100	129	Horizontal	/
2	2389.6920	49.15	52.95	3.80	74.00	21.05	200	142	Horizontal	/
3	2390.0000	44.80	48.61	3.81	74.00	25.39	100	218	Horizontal	/
4	2402.0160	107.18	111.17	3.99	74.00	-37.17	200	142	Horizontal	No limit
1	2310.0000	40.17	43.65	3.48	74.00	30.35	200	218	Vertical	/
2	2389.7880	42.97	46.78	3.81	74.00	27.22	200	218	Vertical	/
3	2390.0000	40.26	44.07	3.81	74.00	29.93	200	218	Vertical	/
4	2401.9920	101.53	105.52	3.99	74.00	-31.52	200	218	Vertical	No limit

Lowest Channel

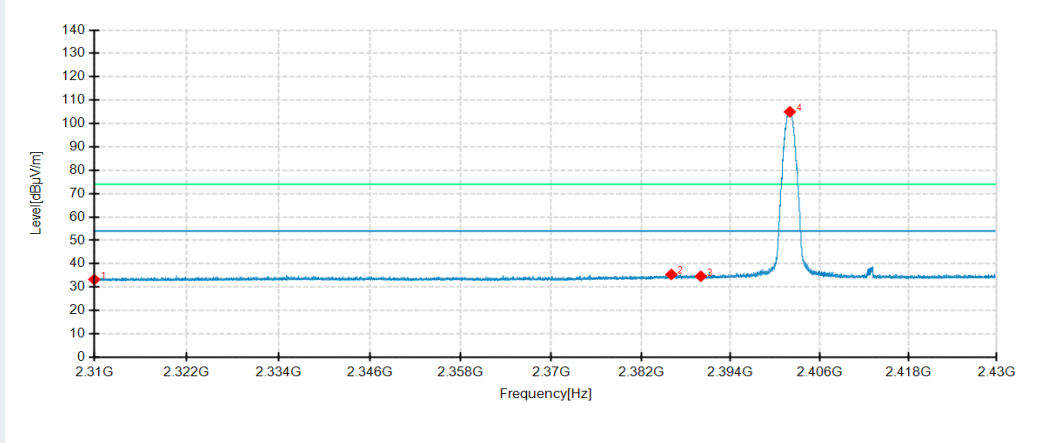
Frequency 2402MHz
Environment: 25℃/60%RH
Tested By: Lu Qiang
Detector mode: Average

Voltage: AC120V/60Hz
Date: 2021-12-16
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

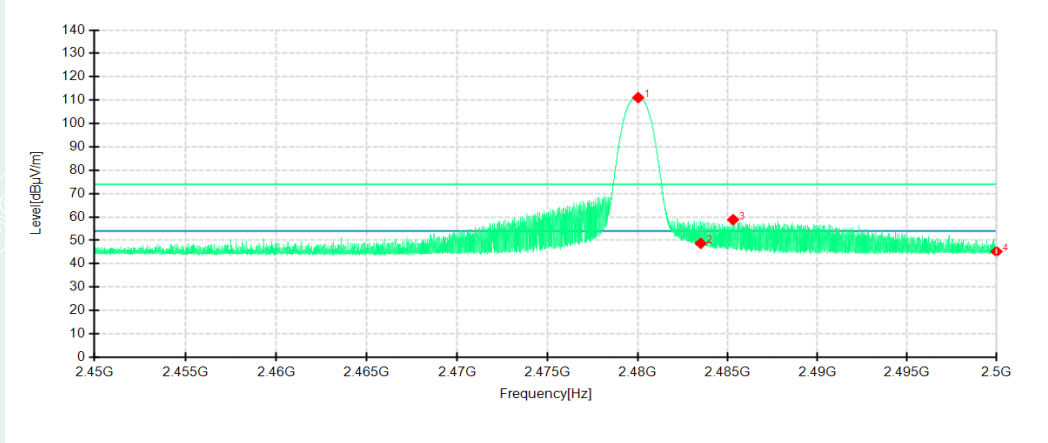


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	29.35	32.83	3.48	54.00	21.17	200	142	Horizontal	/
2	2386.3320	32.22	35.97	3.75	54.00	18.03	200	204	Horizontal	/
3	2390.0000	30.13	33.94	3.81	54.00	20.06	200	177	Horizontal	/
4	2401.9680	106.68	110.67	3.99	54.00	-56.67	200	142	Horizontal	No limit
1	2310.0000	29.76	33.24	3.48	54.00	20.76	100	142	Vertical	/
2	2386.0560	31.66	35.40	3.74	54.00	18.60	200	129	Vertical	/
3	2390.0000	30.83	34.64	3.81	54.00	19.36	100	170	Vertical	/
4	2401.9800	101.02	105.01	3.99	54.00	-51.01	200	218	Vertical	No limit

Highest Channel

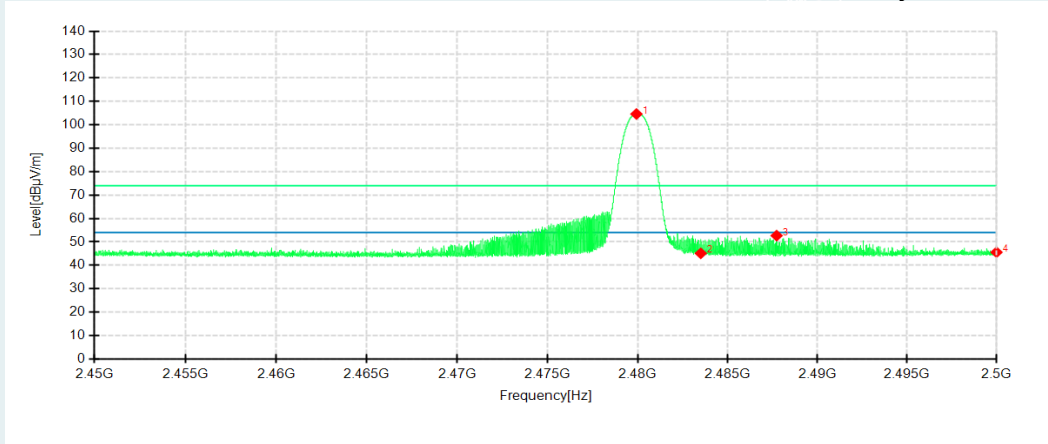
Frequency 2480MHz
Environment: 25℃/60%RH
Tested By: Lu Qiang
Detector mode: Peak

Voltage: AC120V/60Hz
Date: 2021-12-16
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2480.0250	106.76	111.08	4.32	74.00	-37.08	200	347	Horizontal	No limit
2	2483.5000	44.39	48.72	4.33	74.00	25.28	200	353	Horizontal	/
3	2485.3000	54.52	58.86	4.34	74.00	15.14	200	347	Horizontal	/
1	2479.9250	100.29	104.61	4.32	74.00	-30.61	200	204	Vertical	No limit
2	2483.5000	40.78	45.11	4.33	74.00	28.89	200	0	Vertical	/
3	2487.7200	48.33	52.67	4.34	74.00	21.33	200	204	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 25°C/60%RH

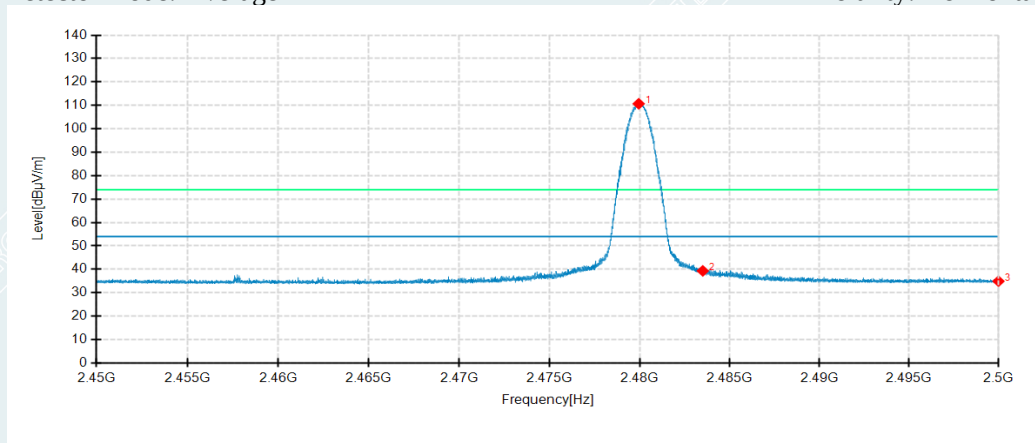
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC120V/60Hz

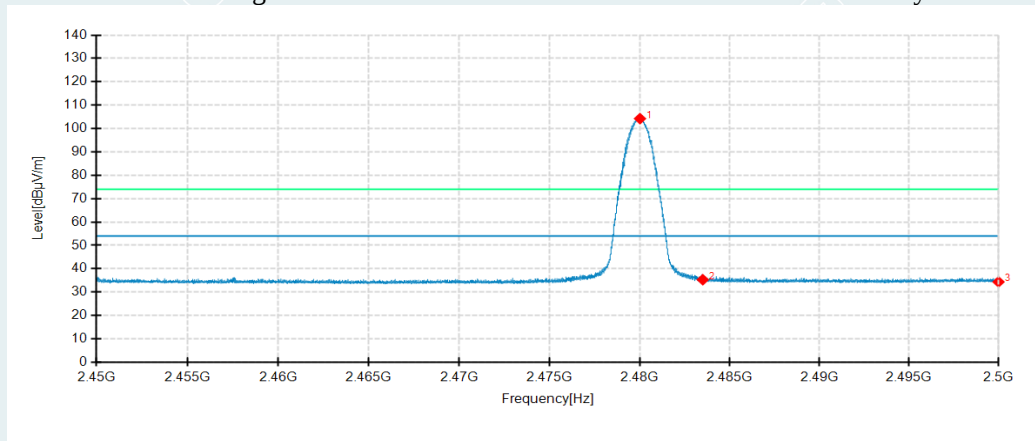
Date: 2021-12-16

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	Remark
1	2479.9400	106.37	110.69	4.32	54.00	-56.69	200	348	Horizontal	No limit
2	2483.5000	35.00	39.33	4.33	54.00	14.67	200	353	Horizontal	/
3	2500.0000	30.54	34.92	4.38	54.00	19.08	200	142	Horizontal	/
1	2480.0100	99.92	104.24	4.32	54.00	-50.24	200	204	Vertical	No limit
2	2483.5000	30.98	35.31	4.33	54.00	18.69	200	204	Vertical	/
3	2500.0000	30.00	34.38	4.38	54.00	19.62	100	260	Vertical	/

2DH5

Lowest Channel

Frequency 2402MHz

Environment: 25℃/60%RH

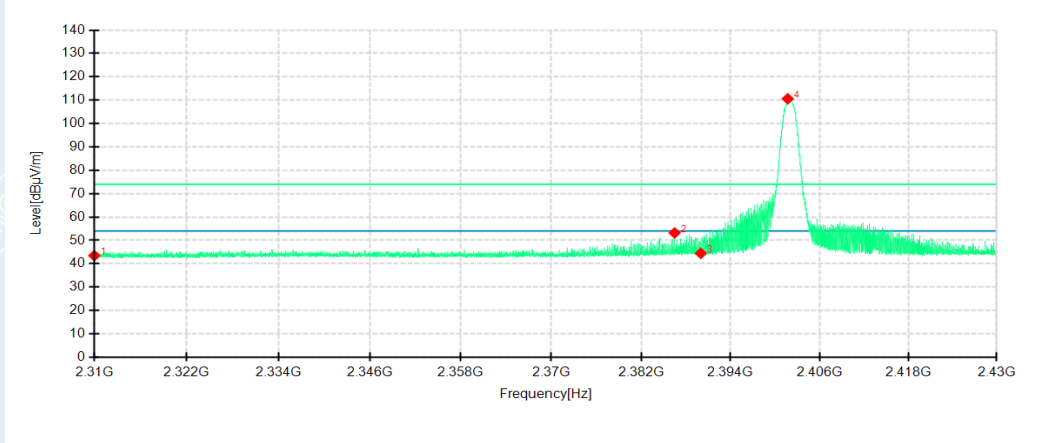
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC120V/60Hz

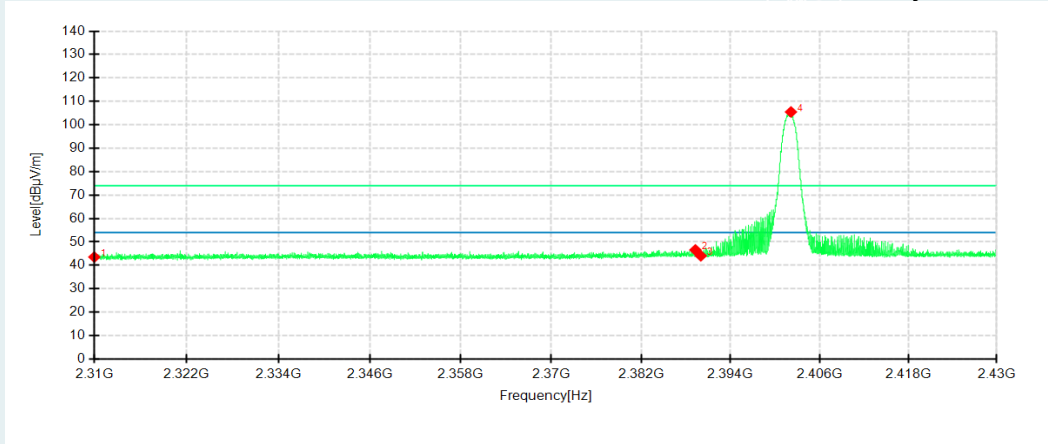
Date: 2021-12-16

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

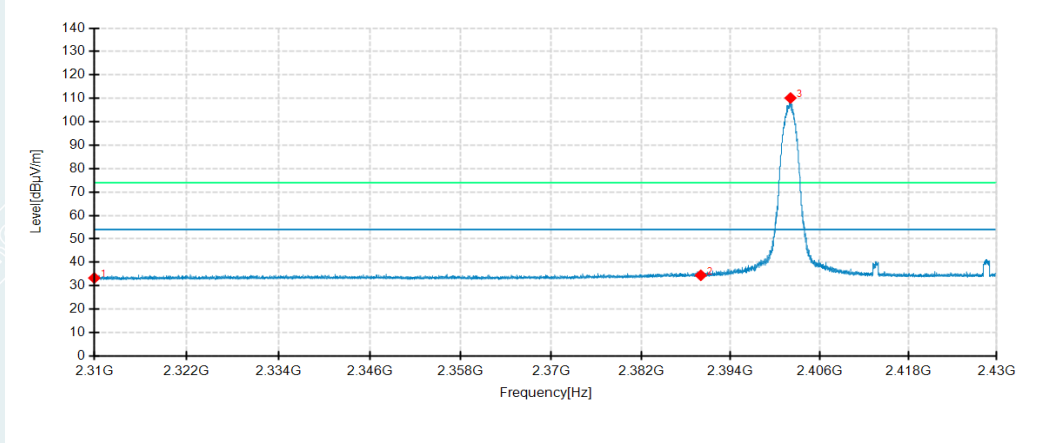


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	40.00	43.48	3.48	74.00	30.52	100	109	Horizontal	/
2	2386.4880	49.43	53.18	3.75	74.00	20.82	200	142	Horizontal	/
3	2390.0000	40.65	44.46	3.81	74.00	29.54	200	142	Horizontal	/
4	2401.6920	106.60	110.59	3.99	74.00	-36.59	200	142	Horizontal	No limit
1	2310.0000	40.05	43.53	3.48	74.00	30.47	200	136	Vertical	/
2	2389.2720	42.77	46.57	3.80	74.00	27.43	200	218	Vertical	/
3	2390.0000	40.25	44.06	3.81	74.00	29.94	200	191	Vertical	/
4	2402.1240	101.49	105.48	3.99	74.00	-31.48	200	218	Vertical	No limit

Lowest Channel

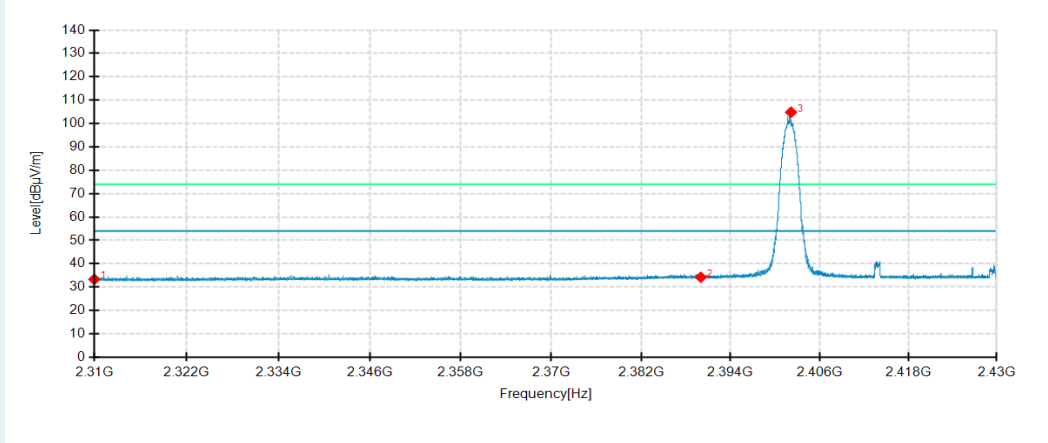
Frequency 2402MHz
Environment: 25℃/60%RH
Tested By: Lu Qiang
Detector mode: Average

Voltage: AC120V/60Hz
Date: 2021-12-16
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	Remark
1	2310.0000	29.83	33.31	3.48	54.00	20.69	100	1	Horizontal	/
2	2390.0000	30.64	34.45	3.81	54.00	19.55	200	142	Horizontal	/
3	2402.0640	106.18	110.17	3.99	54.00	-56.17	200	142	Horizontal	No limit
1	2310.0000	29.85	33.33	3.48	54.00	20.67	100	142	Vertical	/
2	2390.0000	30.42	34.23	3.81	54.00	19.77	100	357	Vertical	/
3	2402.1360	100.84	104.83	3.99	54.00	-50.83	200	218	Vertical	No limit

Highest Channel

Frequency 2480MHz

Environment: 25°C/60%RH

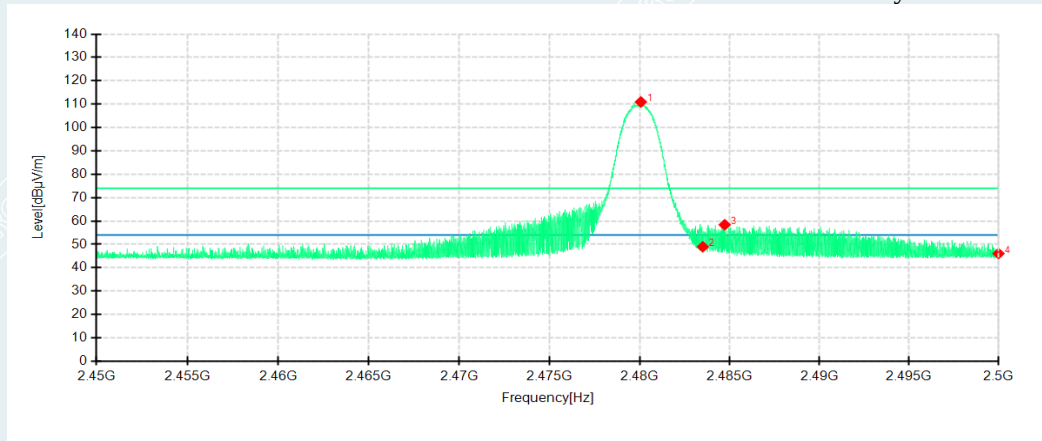
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC120V/60Hz

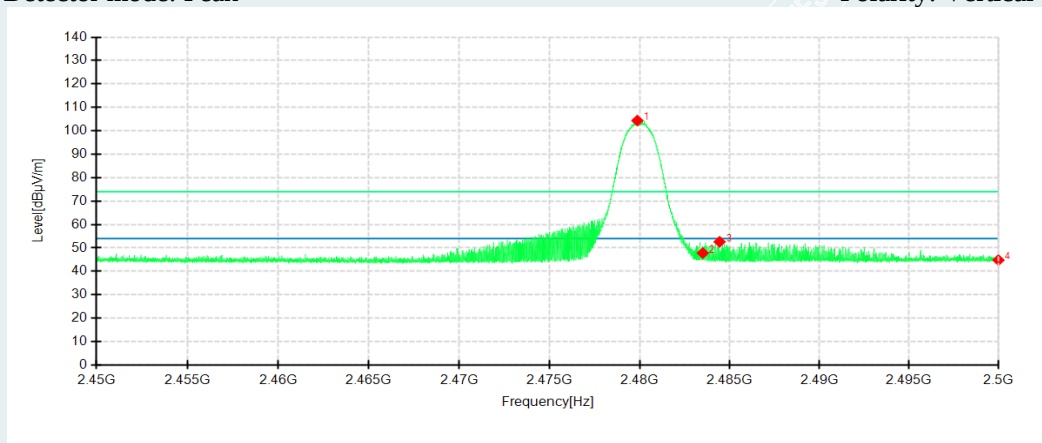
Date: 2021-12-16

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2480.0600	106.63	110.95	4.32	74.00	-36.95	200	347	Horizontal	No limit
2	2483.5000	44.63	48.96	4.33	74.00	25.04	200	359	Horizontal	/
3	2484.7200	54.06	58.39	4.33	74.00	15.61	200	347	Horizontal	
4	2500.0000	41.67	46.05	4.38	74.00	27.95	200	327	Horizontal	/
1	2479.8650	100.05	104.37	4.32	74.00	-30.37	200	204	Vertical	No limit
2	2483.5000	43.46	47.79	4.33	74.00	26.21	200	81	Vertical	/
3	2484.4350	48.28	52.61	4.33	74.00	21.39	200	204	Vertical	/
4	2500.0000	40.40	44.78	4.38	74.00	29.22	200	156	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 25°C/60%RH

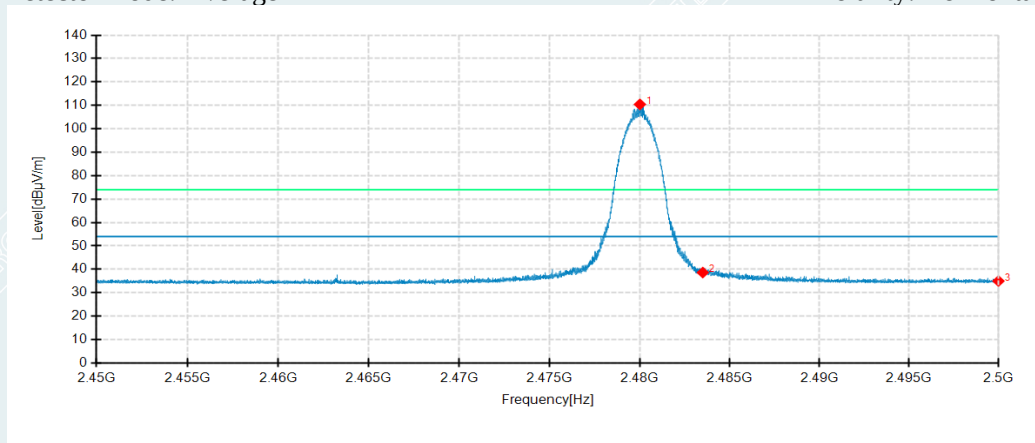
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC120V/60Hz

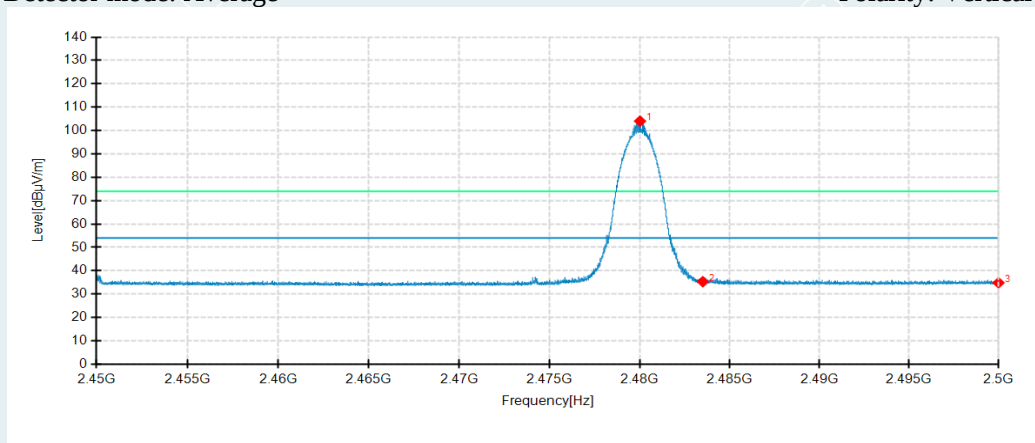
Date: 2021-12-16

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	Remark
1	2480.0050	106.11	110.43	4.32	54.00	-56.43	200	348	Horizontal	No limit
2	2483.5000	34.30	38.63	4.33	54.00	15.37	200	142	Horizontal	/
3	2500.0000	30.62	35.00	4.38	54.00	19.00	100	218	Horizontal	/
1	2480.0100	99.71	104.03	4.32	54.00	-50.03	200	204	Vertical	No limit
2	2483.5000	30.99	35.32	4.33	54.00	18.68	200	94	Vertical	/
3	2500.0000	30.46	34.84	4.38	54.00	19.16	200	136	Vertical	/

3DH5

Lowest Channel

Frequency 2402MHz

Environment: 25℃/60%RH

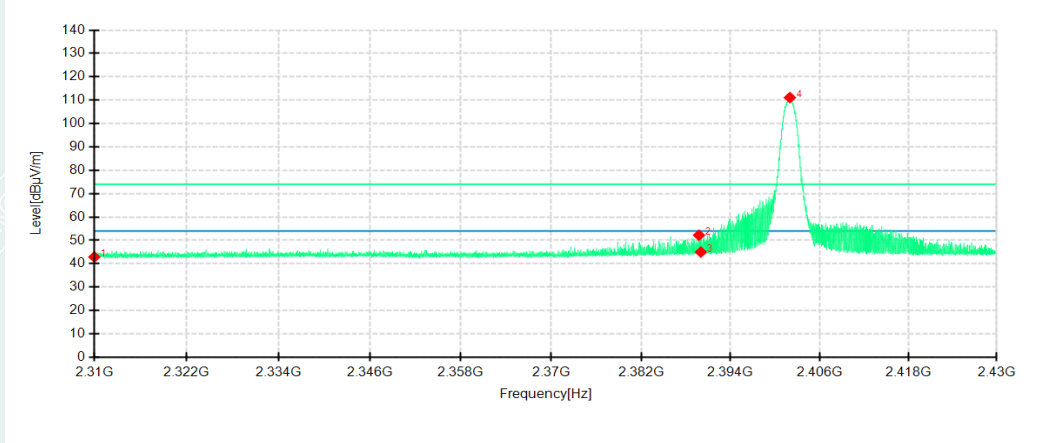
Tested By: Lu Qiang

Detector mode: Peak

Voltage: AC120V/60Hz

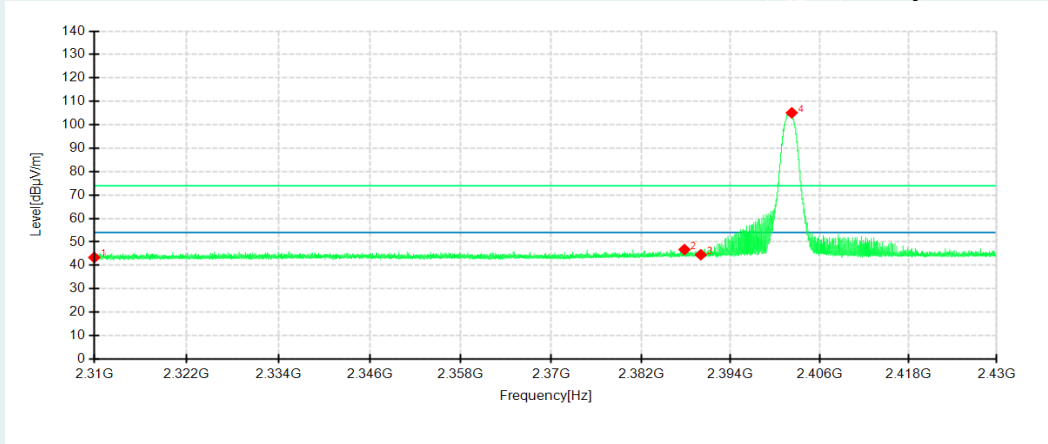
Date: 2021-12-16

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	39.40	42.88	3.48	74.00	31.12	200	142	Horizontal	/
2	2389.7520	48.39	52.20	3.81	74.00	21.80	200	142	Horizontal	/
3	2390.0000	41.18	44.99	3.81	74.00	29.01	200	142	Horizontal	/
4	2401.9800	107.12	111.11	3.99	74.00	-37.11	200	142	Horizontal	No limit
1	2310.0000	39.87	43.35	3.48	74.00	30.65	100	204	Vertical	/
2	2387.8080	42.96	46.73	3.77	74.00	27.27	200	218	Vertical	/
3	2390.0000	40.70	44.51	3.81	74.00	29.49	100	142	Vertical	/
4	2402.2320	101.13	105.12	3.99	74.00	-31.12	200	218	Vertical	No limit

Lowest Channel

Frequency 2402MHz

Environment: 25°C/60%RH

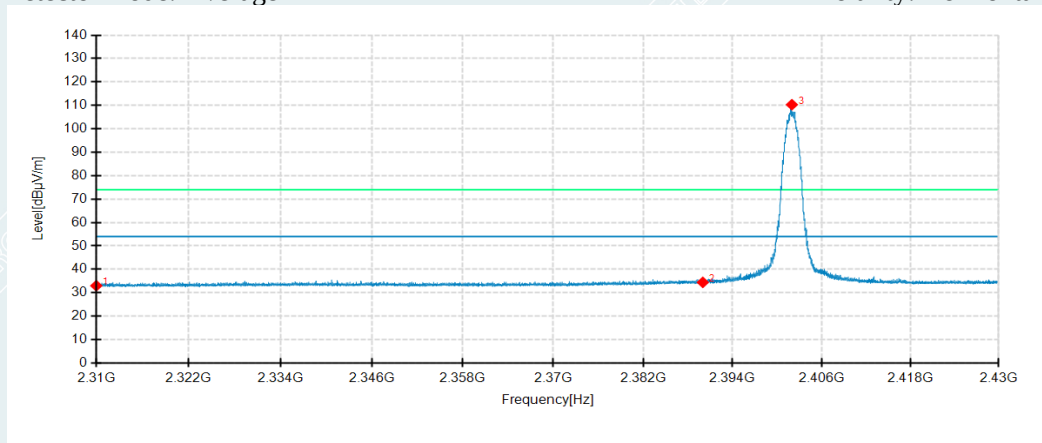
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC120V/60Hz

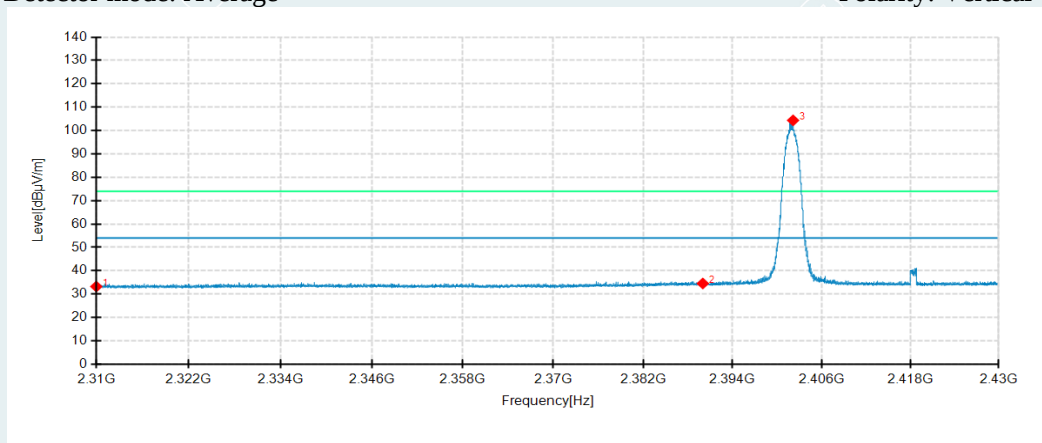
Date: 2021-12-16

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

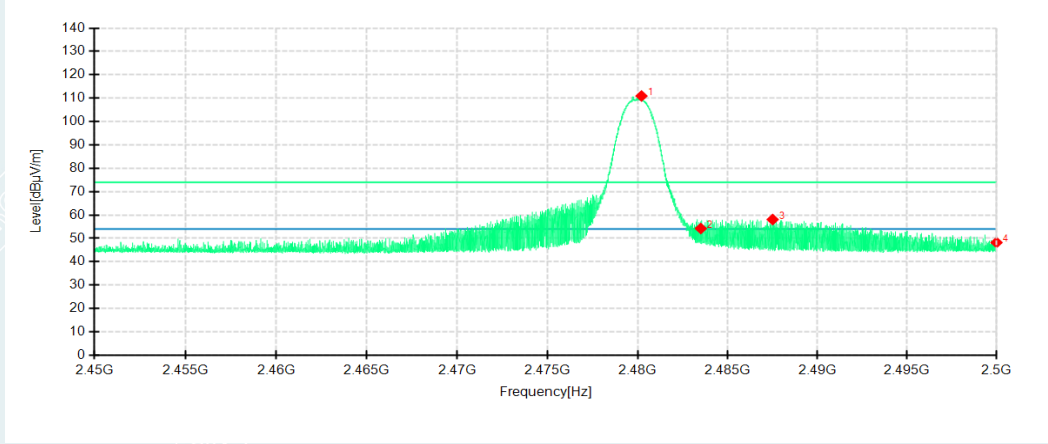


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	29.51	32.99	3.48	54.00	21.01	200	142	Horizontal	/
2	2390.0000	30.63	34.44	3.81	54.00	19.56	100	184	Horizontal	/
3	2401.9800	106.31	110.30	3.99	54.00	-56.30	200	142	Horizontal	No limit
1	2310.0000	29.75	33.23	3.48	54.00	20.77	200	95	Vertical	/
2	2390.0000	30.74	34.55	3.81	54.00	19.45	100	170	Vertical	/
3	2402.1360	100.36	104.35	3.99	54.00	-50.35	200	218	Vertical	No limit

Highest Channel

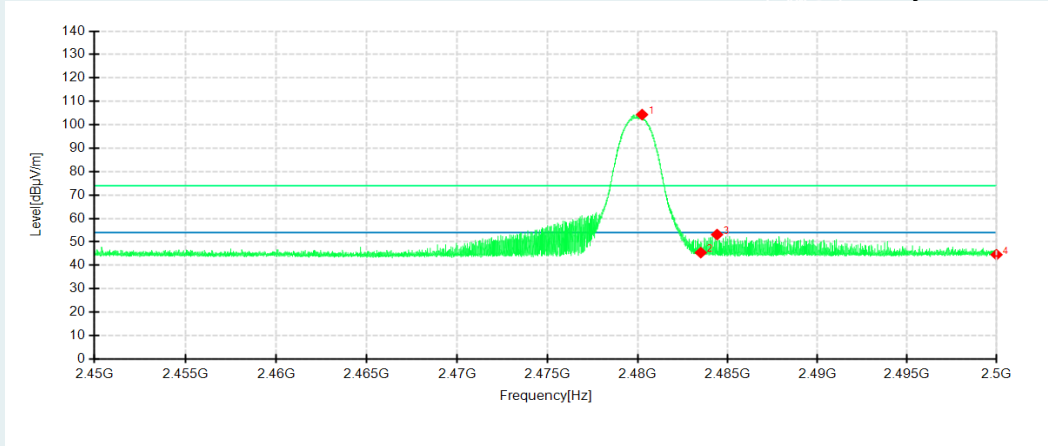
Frequency 2480MHz
Environment: 25℃/60%RH
Tested By: Lu Qiang
Detector mode: Peak

Voltage: AC120V/60Hz
Date: 2021-12-16
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2480.2050	106.60	110.92	4.32	74.00	-36.92	200	348	Horizontal	No limit
2	2483.5000	49.89	54.22	4.33	74.00	19.78	200	156	Horizontal	/
3	2487.5000	53.72	58.06	4.34	74.00	15.94	200	348	Horizontal	
4	2500.0000	43.83	48.21	4.38	74.00	25.79	200	348	Horizontal	/
1	2480.2400	100.03	104.35	4.32	74.00	-30.35	200	204	Vertical	No limit
2	2483.5000	41.09	45.42	4.33	74.00	28.58	200	109	Vertical	/
3	2484.4050	48.80	53.13	4.33	74.00	20.87	200	204	Vertical	/
4	2500.0000	40.17	44.55	4.38	74.00	29.45	200	218	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 25°C/60%RH

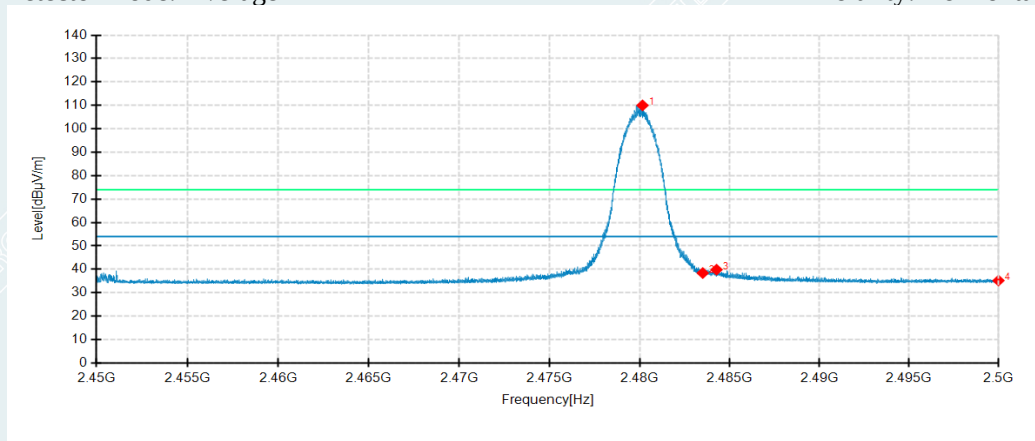
Tested By: Lu Qiang

Detector mode: Average

Voltage: AC120V/60Hz

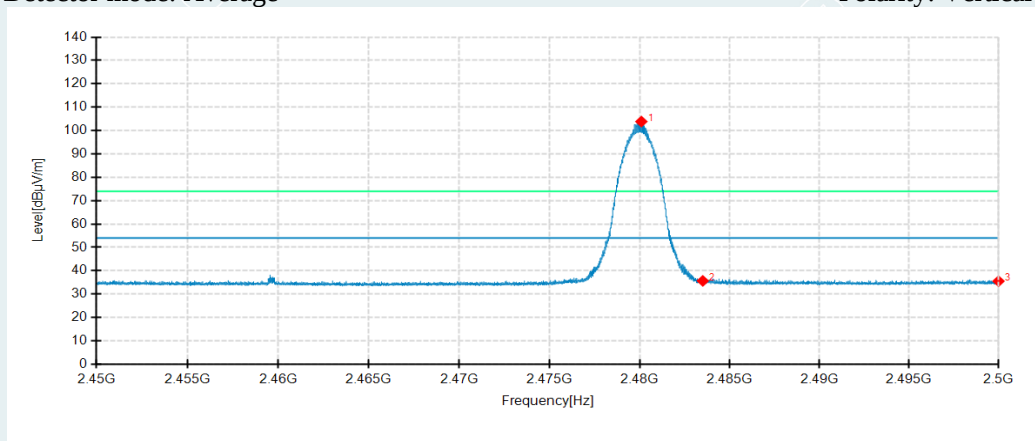
Date: 2021-12-16

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	Remark
1	2480.1500	105.69	110.01	4.32	54.00	-56.01	200	347	Horizontal	No limit
2	2483.5000	34.09	38.42	4.33	54.00	15.58	200	142	Horizontal	/
3	2484.2650	35.52	39.85	4.33	54.00	14.15	200	347	Horizontal	/
4	2500.0000	30.83	35.21	4.38	54.00	18.79	100	10	Horizontal	/
1	2480.0900	99.51	103.83	4.32	54.00	-49.83	200	204	Vertical	No limit
2	2483.5000	31.33	35.66	4.33	54.00	18.34	200	204	Vertical	/
3	2500.0000	31.17	35.55	4.38	54.00	18.45	200	190	Vertical	/

Remark:

- 1) Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202111252962-11-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202111252962-12-EUT photo.

----- End of Report -----