The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04.Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz:

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz:

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz:

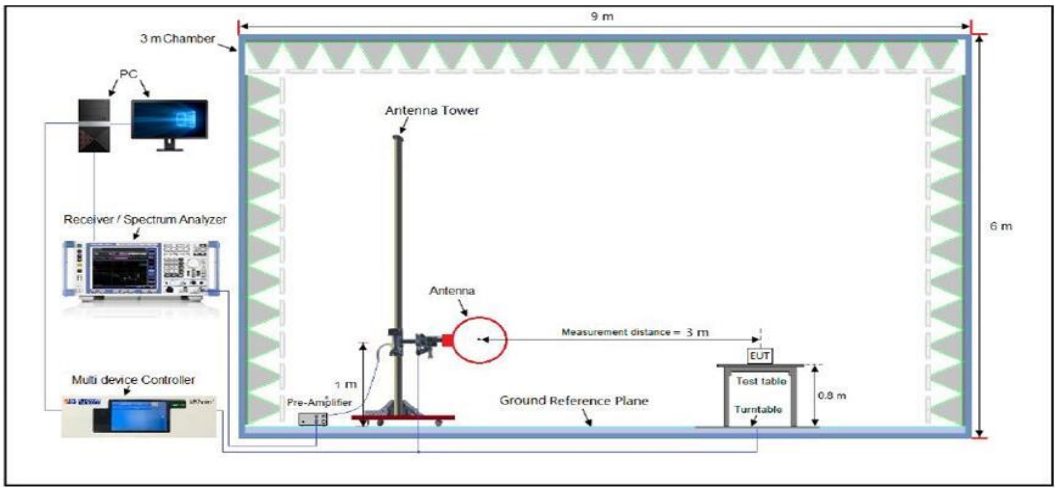
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

(4) Procedures for Average Unwanted Emissions Measurements Above 1000MHz:

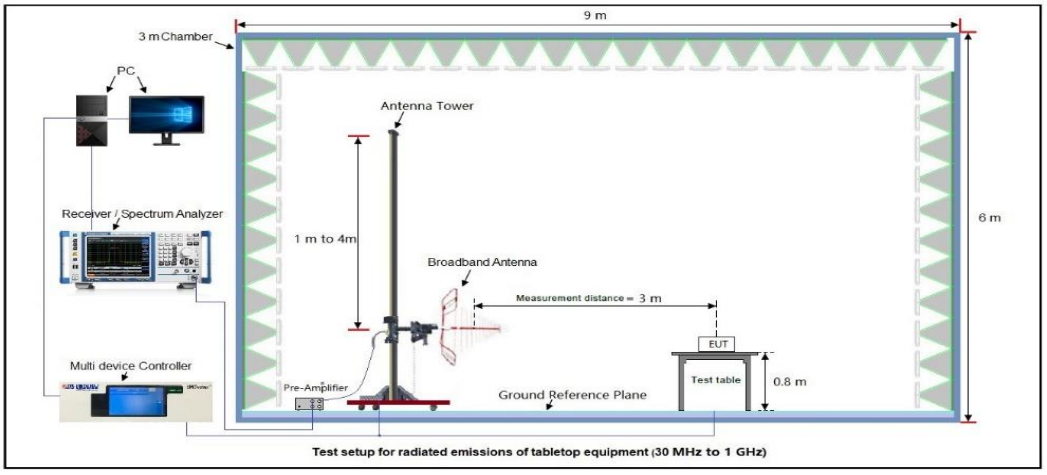
- RBW = 1 MHz
- VBW = 3 MHz • Detector = power averaging (rms), set span/(# of points in sweep) ≥ RBW/2.
- Averaging type = power averaging (RMS)
- The correction factor shall be offset is 10 log (1/x), where x is the duty cycle.

10.3 MEASUREMENT SETUP (BLOCK DIAGRAM OF CONFIGURATION)

RADIATED EMISSION TEST SETUP 9KHz-30MHz

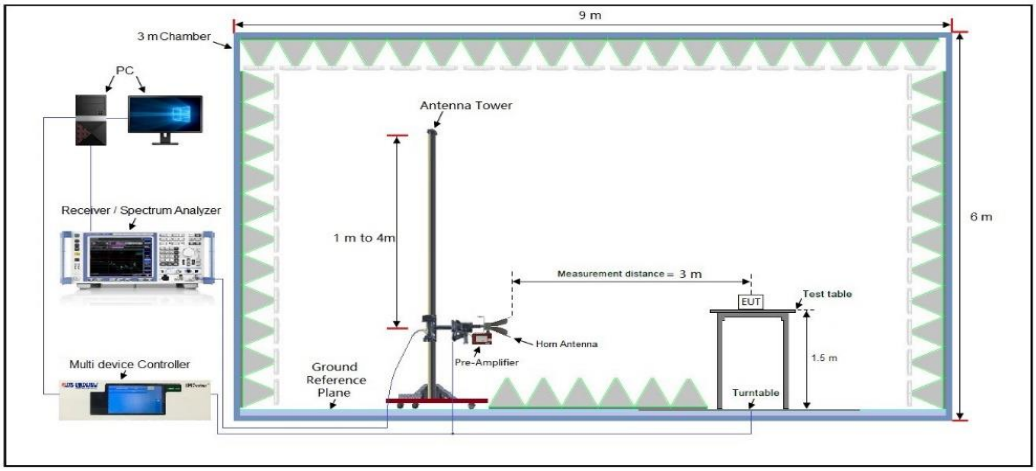


RADIATED EMISSION TEST SETUP 30MHz-1000MHz



Test setup for radiated emissions of tabletop equipment (30 MHz to 1 GHz)

RADIATED EMISSION TEST SETUP ABOVE 1000MHz



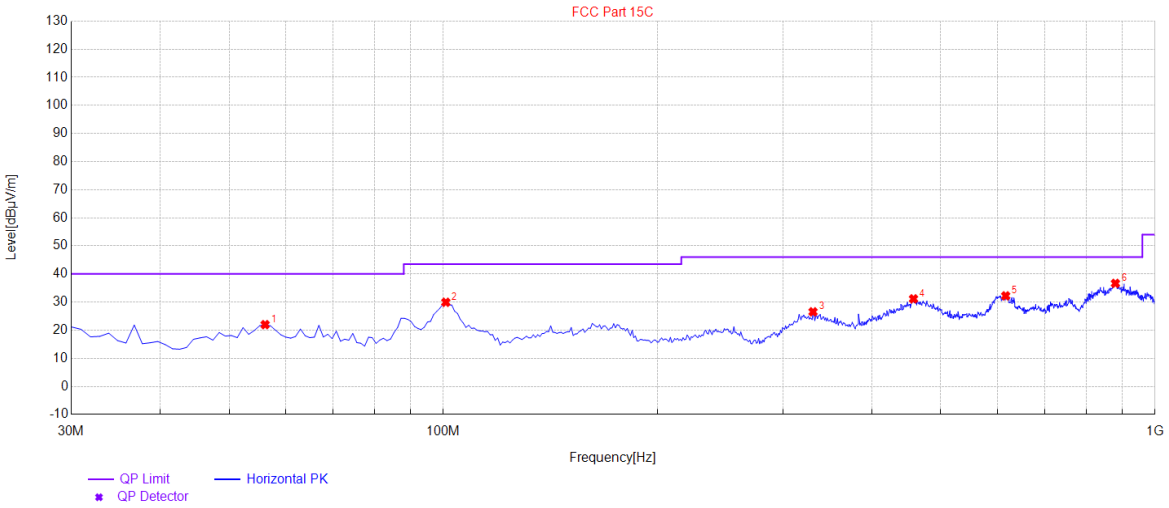
10.4 MEASUREMENT RESULT

Radiated Emission Below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated emission from 30MHz to 1000MHz

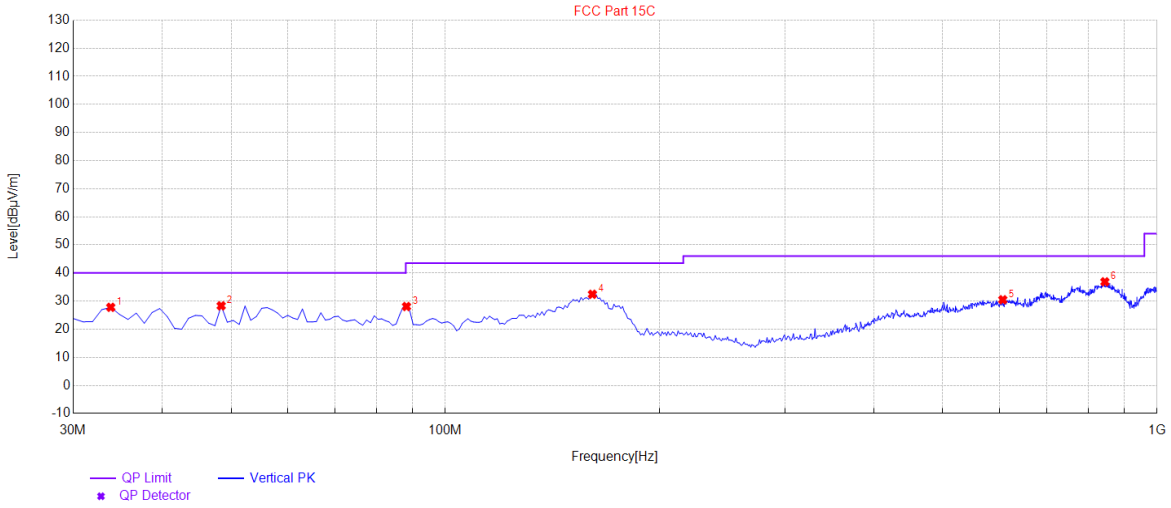
EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5180MHz	**Antenna**	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.19	21.97	12.21	40.00	18.03	100	72	Horizontal
2	100.81	29.93	21.07	43.50	13.57	100	273	Horizontal
3	330.7	26.53	21.07	46.00	19.47	100	135	Horizontal
4	457.77	31.14	26.41	46.00	14.86	100	3	Horizontal
5	616.85	32.21	28.10	46.00	13.79	100	360	Horizontal
6	879.72	36.65	33.24	46.00	9.35	100	6	Horizontal

RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical

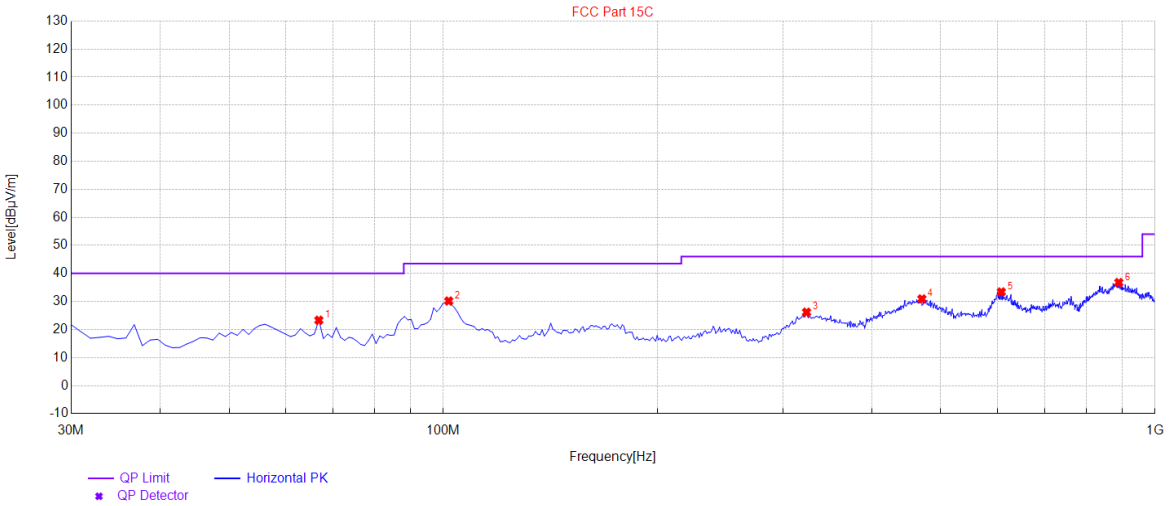


NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.88	27.78	10.57	40.00	12.22	100	215	Vertical
2	48.43	28.31	13.07	40.00	11.69	100	0	Vertical
3	88.2	28.06	12.45	43.50	15.44	100	0	Vertical
4	160.95	32.42	21.61	43.50	11.08	100	359	Vertical
5	607.15	30.47	25.99	46.00	15.53	100	359	Vertical
6	844.8	36.85	32.39	46.00	9.15	100	46	Vertical

RESULT: PASS

Radiated emission from 30MHz to 1000MHz

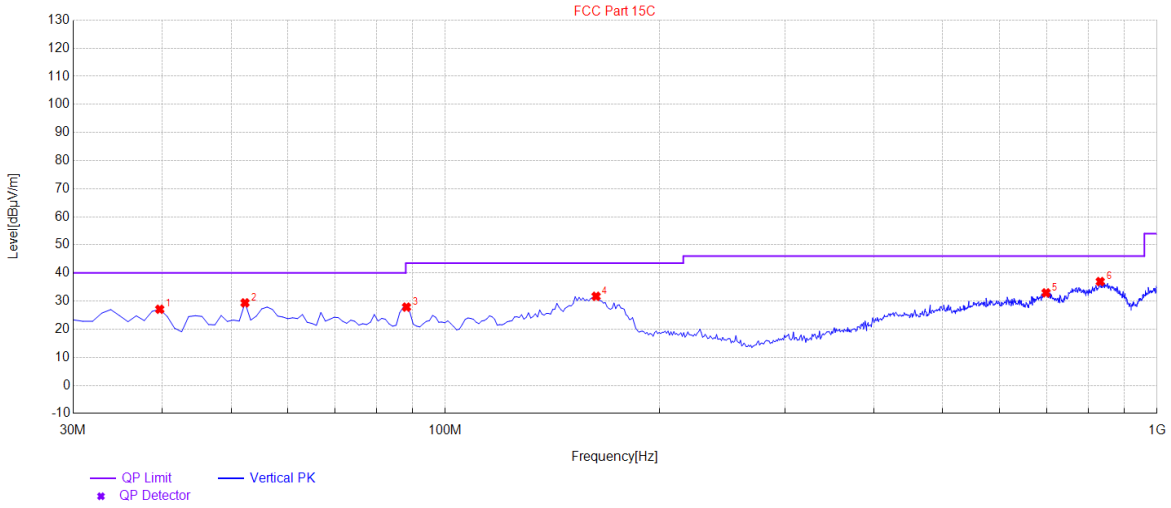
EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5260MHz	**Antenna**	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	66.86	23.32	11.83	40.00	16.68	100	250	Horizontal
2	101.78	30.17	20.60	43.50	13.33	100	224	Horizontal
3	323.91	26.18	21.24	46.00	19.82	100	139	Horizontal
4	470.38	30.91	26.16	46.00	15.09	100	86	Horizontal
5	608.12	33.39	28.42	46.00	12.61	100	60	Horizontal
6	889.42	36.75	32.55	46.00	9.25	100	2	Horizontal

RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5260MHz	Antenna	Vertical

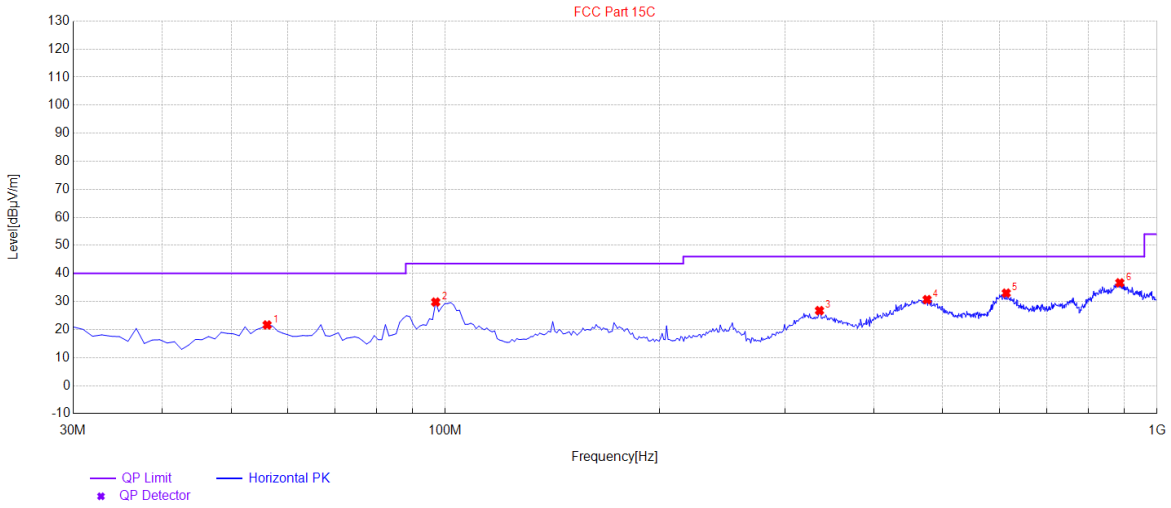


NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.7	27.08	11.67	40.00	12.92	100	56	Vertical
2	52.31	29.36	13.69	40.00	10.64	100	173	Vertical
3	88.2	27.85	12.45	43.50	15.65	100	51	Vertical
4	162.89	31.69	20.93	43.50	11.81	100	294	Vertical
5	698.33	32.91	28.96	46.00	13.09	100	51	Vertical
6	832.19	36.94	32.15	46.00	9.06	100	355	Vertical

RESULT: PASS

Radiated emission from 30MHz to 1000MHz

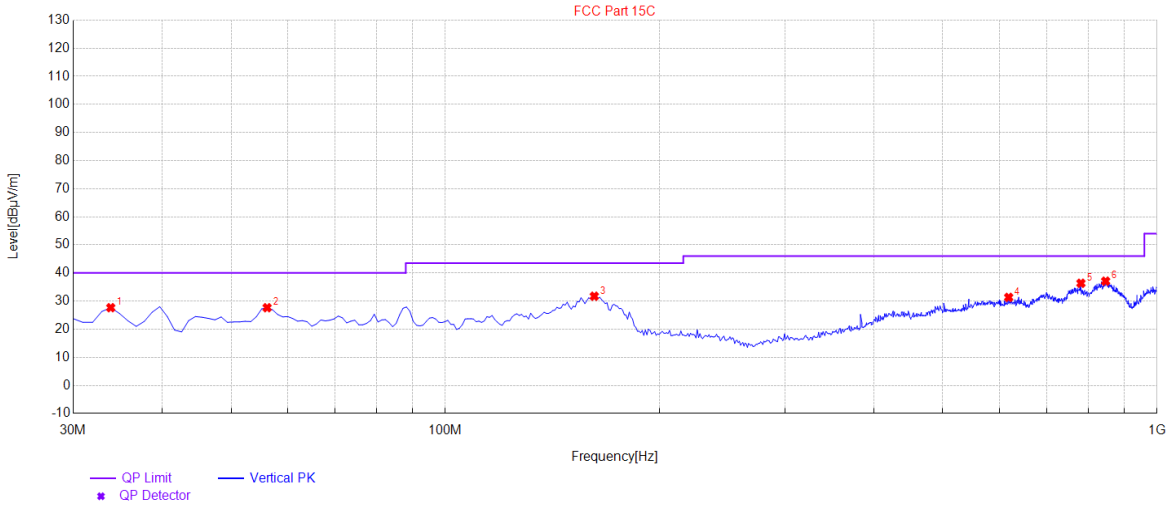
EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5500MHz	**Antenna**	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.19	21.63	12.21	40.00	18.37	100	56	Horizontal
2	96.93	29.79	19.67	43.50	13.71	100	358	Horizontal
3	335.55	26.74	20.98	46.00	19.26	100	10	Horizontal
4	475.23	30.67	25.96	46.00	15.33	100	6	Horizontal
5	613.94	32.98	28.20	46.00	13.02	100	293	Horizontal
6	886.51	36.64	32.77	46.00	9.36	100	12	Horizontal

RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Vertical

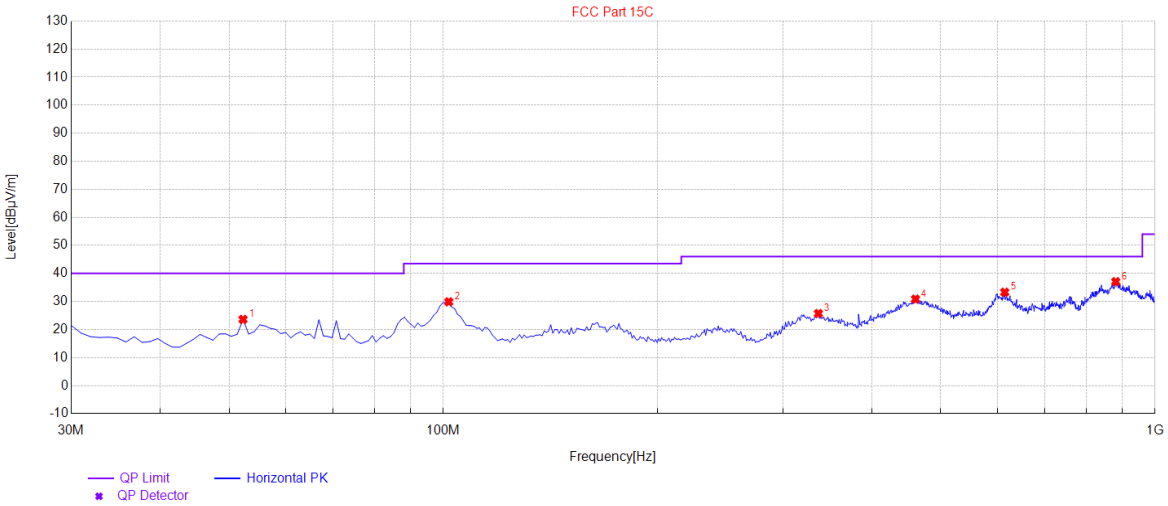


NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.88	27.65	10.57	40.00	12.35	100	268	Vertical
2	56.19	27.64	14.30	40.00	12.36	100	356	Vertical
3	161.92	31.72	21.27	43.50	11.78	100	30	Vertical
4	618.79	31.32	26.46	46.00	14.68	100	194	Vertical
5	781.75	36.34	30.83	46.00	9.66	100	146	Vertical
6	846.74	37.09	32.33	46.00	8.91	100	15	Vertical

RESULT: PASS

Radiated emission from 30MHz to 1000MHz

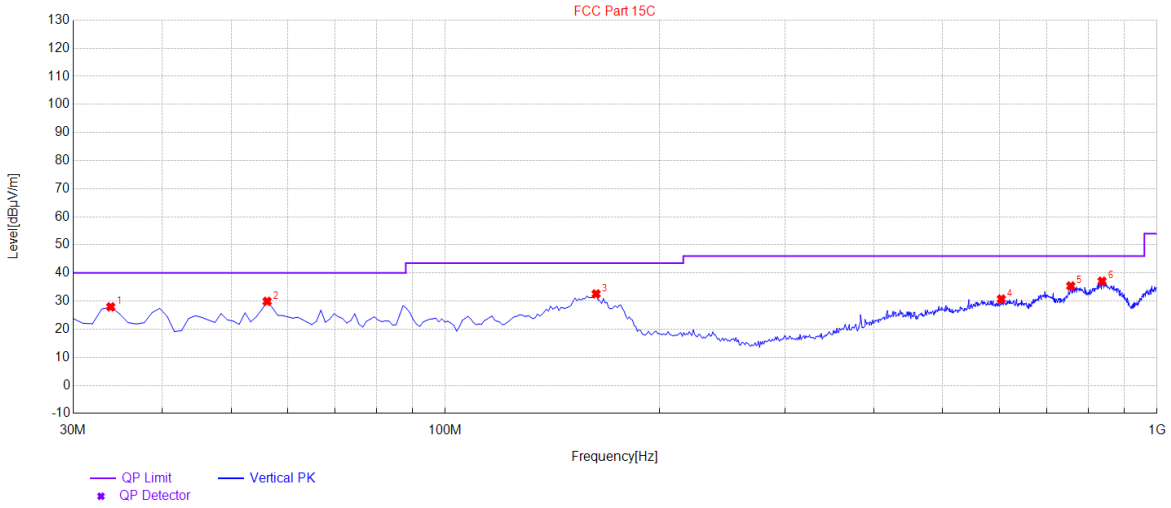
EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5745MHz	**Antenna**	Horizontal



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.31	23.60	11.50	40.00	16.40	100	201	Horizontal
2	101.78	29.87	20.60	43.50	13.63	100	10	Horizontal
3	336.52	25.70	20.95	46.00	20.30	100	250	Horizontal
4	460.68	30.85	26.62	46.00	15.15	100	282	Horizontal
5	614.91	33.28	28.16	46.00	12.72	100	357	Horizontal
6	880.69	37.05	33.22	46.00	8.95	100	13	Horizontal

RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.88	27.92	10.57	40.00	12.08	100	274	Vertical
2	56.19	29.90	14.30	40.00	10.10	100	137	Vertical
3	162.89	32.55	20.93	43.50	10.95	100	321	Vertical
4	604.24	30.72	25.89	46.00	15.28	100	321	Vertical
5	756.53	35.37	29.87	46.00	10.63	100	337	Vertical
6	837.04	37.07	32.39	46.00	8.93	100	358	Vertical

RESULT: PASS

Note: All test channels had been tested. The 802.11a20 at 5180MHz is the worst case and recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

The “Factor” value can be calculated automatically by software of measurement system.

Radiated emission above 1GHz

EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5180MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10360.042	48.99	9.14	58.13	68.20	-10.07	peak
15540.063	42.28	10.22	52.50	74.00	-21.50	peak
15540.063	33.05	10.22	43.27	54.00	-10.73	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10360.042	48.37	9.14	57.51	68.20	-10.69	peak
15540.063	41.89	10.22	52.11	74.00	-21.89	peak
15540.063	32.25	10.22	42.47	54.00	-11.53	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5200MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10400.042	47.51	9.14	56.65	68.20	-11.55	peak
15600.063	43.25	10.22	53.47	74.00	-20.53	peak
15600.063	33.51	10.22	43.73	54.00	-10.27	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10400.042	48.78	9.14	57.92	68.20	-10.28	peak
15600.063	42.97	10.22	53.19	74.00	-20.81	peak
15600.063	32.89	10.22	43.11	54.00	-10.89	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5240MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10480.042	48.74	9.27	58.01	68.20	-10.19	peak
15720.063	42.11	10.38	52.49	74.00	-21.51	peak
15720.063	32.54	10.38	42.92	54.00	-11.08	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10480.042	47.97	9.27	57.24	68.20	-10.96	peak
15720.063	42.58	10.38	52.96	74.00	-21.04	peak
15720.063	33.15	10.38	43.53	54.00	-10.47	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Radiated emission above 1GHz

EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5260MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10520.051	47.36	9.31	56.67	68.20	-11.53	peak
15780.033	41.18	10.42	51.60	74.00	-22.40	peak
15780.033	32.76	10.42	43.18	54.00	-10.82	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10520.051	46.98	9.31	56.29	68.20	-11.91	peak
15780.033	40.56	10.42	50.98	74.00	-23.02	peak
15780.033	33.09	10.42	43.51	54.00	-10.49	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5300MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10600.025	48.36	9.33	57.69	74.00	-16.31	peak
10600.025	32.87	9.33	42.20	54.00	-11.80	AVG
15900.036	47.39	10.44	57.83	74.00	-16.17	peak
15900.036	33.05	10.44	43.49	54.00	-10.51	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10600.025	47.14	9.33	56.47	74.00	-17.53	peak
10600.025	33.25	9.33	42.58	54.00	-11.42	AVG
15900.036	48.26	10.44	58.70	74.00	-15.30	peak
15900.036	32.14	10.44	42.58	54.00	-11.42	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10640.055	48.74	9.35	58.09	74.00	-15.91	peak
10640.055	33.69	9.35	43.04	54.00	-10.96	AVG
15960.042	41.56	10.46	52.02	74.00	-21.98	peak
15960.042	30.87	10.46	41.33	54.00	-12.67	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
10640.055	44.89	9.35	54.24	74.00	-19.76	peak
10640.055	30.15	9.35	39.50	54.00	-14.50	AVG
15960.042	40.21	10.46	50.67	74.00	-23.33	peak
15960.042	31.59	10.46	42.05	54.00	-11.95	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Radiated emission above 1GHz

EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5500MHz	**Antenna**	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11000.024	47.63	9.38	57.01	74.00	-16.99	peak
11000.024	32.51	9.38	41.89	54.00	-12.11	AVG
16500.033	48.05	10.51	58.56	68.20	-9.64	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11000.024	49.36	9.38	58.74	74.00	-15.26	peak
11000.024	34.15	9.38	43.53	54.00	-10.47	AVG
16500.033	50.02	10.51	60.53	68.20	-7.67	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5600MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11200.035	46.69	9.38	56.07	74.00	-17.93	peak
11200.035	32.18	9.38	41.56	54.00	-12.44	AVG
16800.041	41.55	10.51	52.06	68.20	-16.14	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11200.035	43.36	9.38	52.74	74.00	-21.26	peak
11200.035	33.81	9.38	43.19	54.00	-10.81	AVG
16800.041	42.51	10.51	53.02	68.20	-15.18	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5700MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11400.058	46.25	9.41	55.66	74.00	-18.34	peak
11400.058	33.52	9.41	42.93	54.00	-11.07	AVG
17100.042	45.05	10.50	55.55	68.20	-12.65	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11400.058	45.96	9.41	55.37	74.00	-18.63	peak
11400.058	34.11	9.41	43.52	54.00	-10.48	AVG
17100.042	46.15	10.50	56.65	68.20	-11.55	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5745MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11490.042	48.36	9.42	57.78	74.00	-16.22	peak
11490.042	31.79	9.42	41.21	54.00	-12.79	AVG
17253.063	35.84	10.51	46.35	68.20	-21.85	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11490.042	48.36	9.42	57.78	74.00	-16.22	peak
11490.042	33.51	9.42	42.93	54.00	-11.07	AVG
17253.063	39.15	10.51	49.66	68.20	-18.54	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5785MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11570.042	46.58	9.42	56.00	74.00	-18.00	peak
11570.042	33.52	9.42	42.94	54.00	-11.06	AVG
17355.063	33.56	10.51	44.07	68.20	-24.13	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11570.042	48.52	9.42	57.94	74.00	-16.06	peak
11570.042	34.15	9.42	43.57	54.00	-10.43	AVG
17355.063	41.06	10.51	51.57	68.20	-16.63	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5825MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ–Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11650.042	48.15	9.62	57.77	74.00	-16.23	peak
11650.042	31.59	9.62	41.21	54.00	-12.79	AVG
17475.063	37.59	10.75	48.34	68.20	-19.86	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ–Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
11650.042	48.97	9.62	58.59	74.00	-15.41	peak
11650.042	32.05	9.62	41.67	54.00	-12.33	AVG
17475.063	37.69	10.75	48.44	68.20	-19.76	peak
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

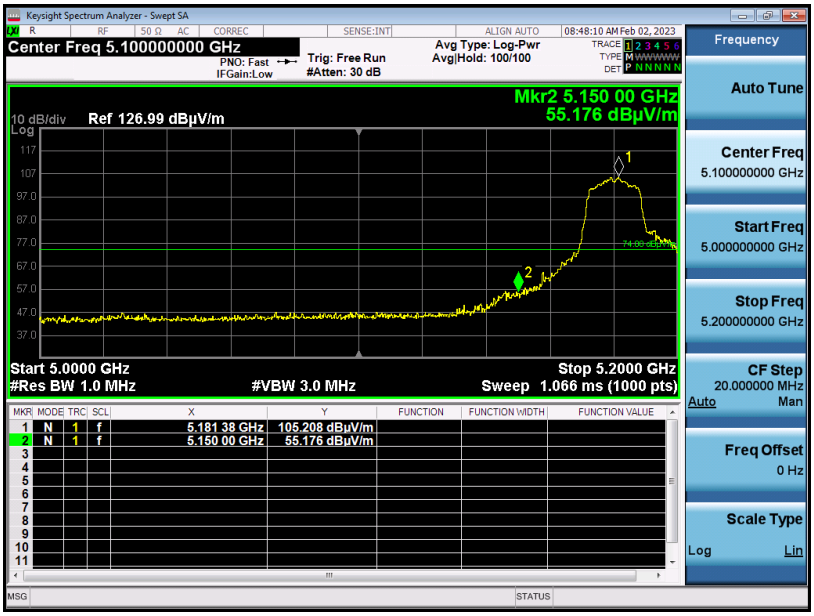
Note:

1. All test channels had been tested. The 802.11a20_ANT 1 is the worst case and recorded in the test report.
2. Other frequencies radiation emission from 1GHz to 40GHz at least have 20dB margin and not recorded in the test report.
3. Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.
4. The “Factor” value can be calculated automatically by software of measurement system.

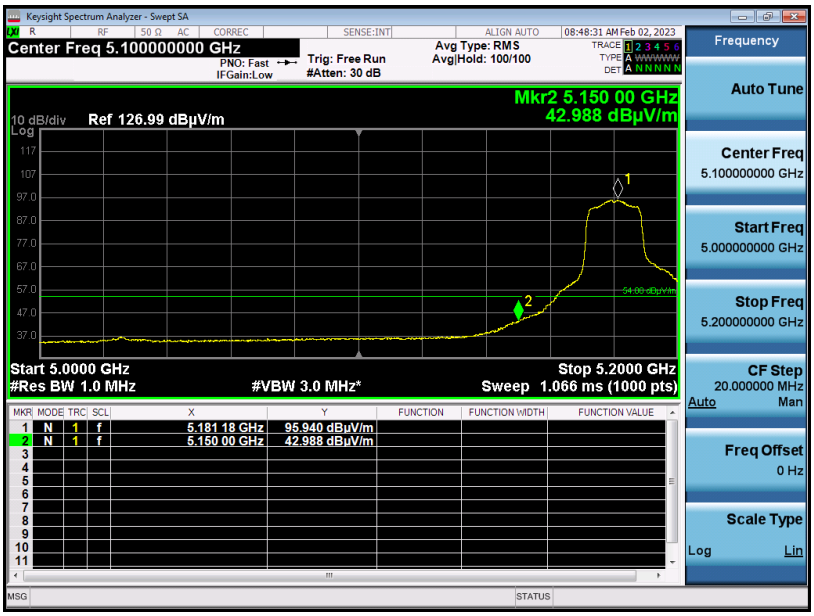
Test result for band edge emission at restricted bands 5.150GHz~5.250GHz

EUT	5G Smart phone	**Model Name**	AGM G2
Temperature	25°C	**Relative Humidity**	60%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11a20 5180MHz	**Antenna**	Horizontal

Test Graph for Peak Measurement



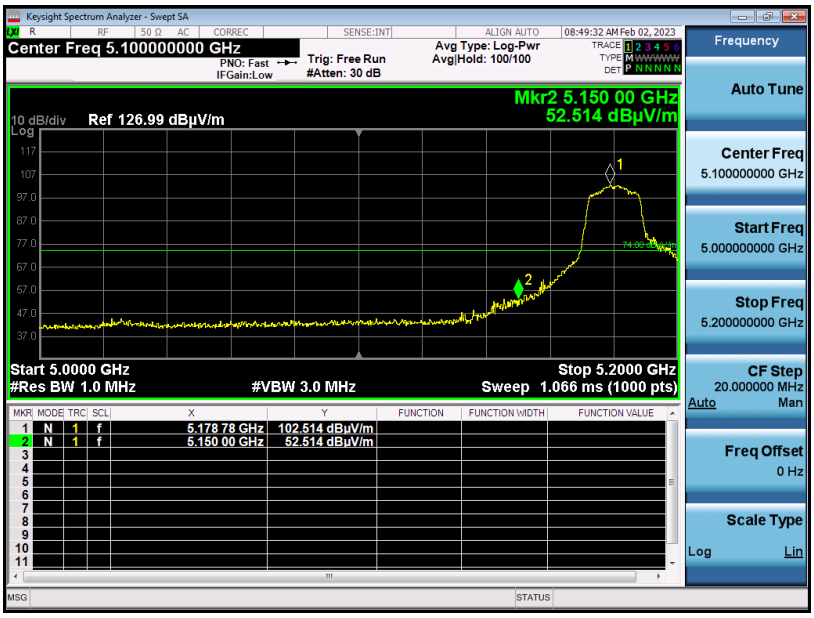
Test Graph for Average Measurement



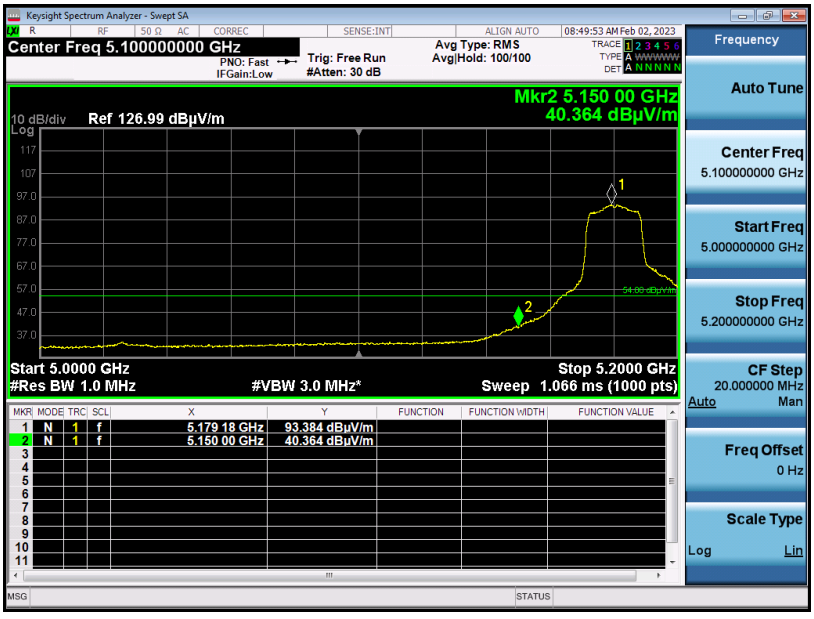
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Vertical

Test Graph for Peak Measurement



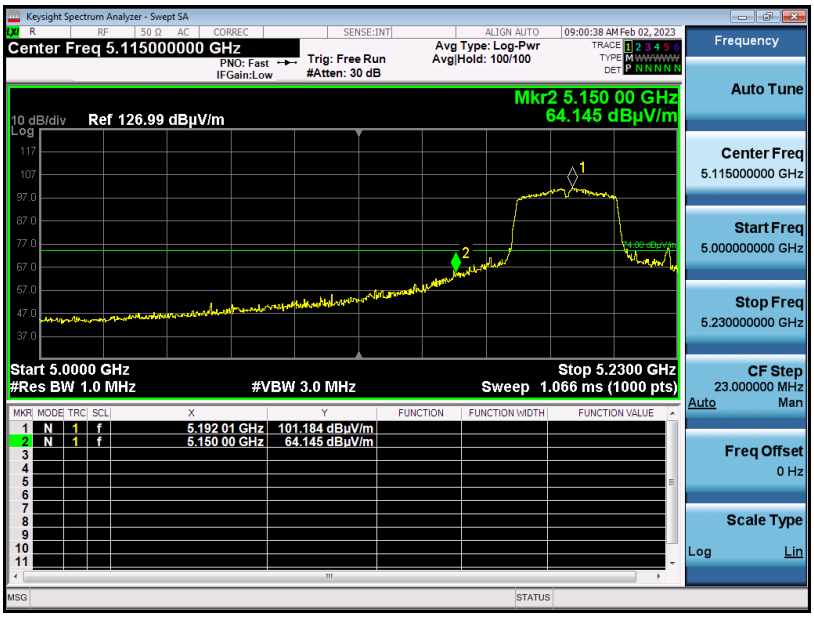
Test Graph for Average Measurement



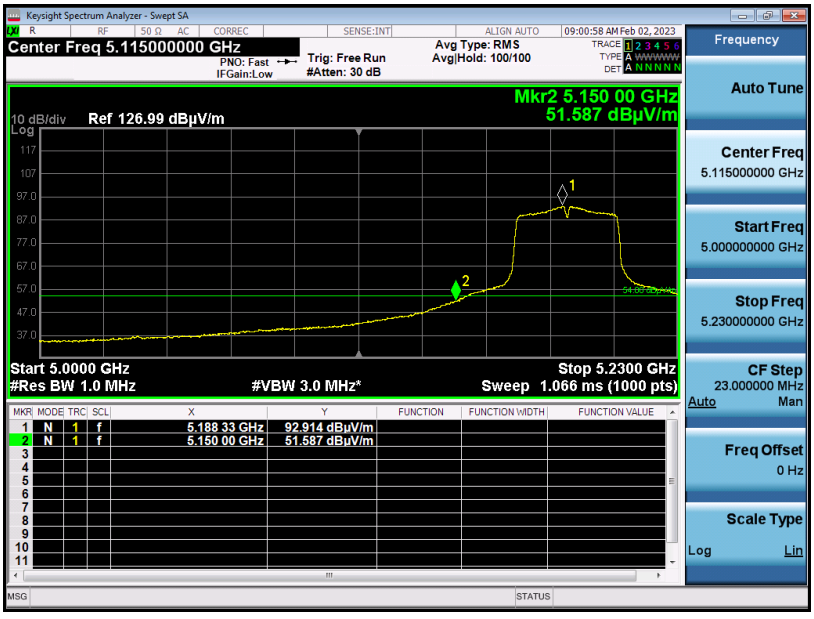
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Horizontal

Test Graph for Peak Measurement



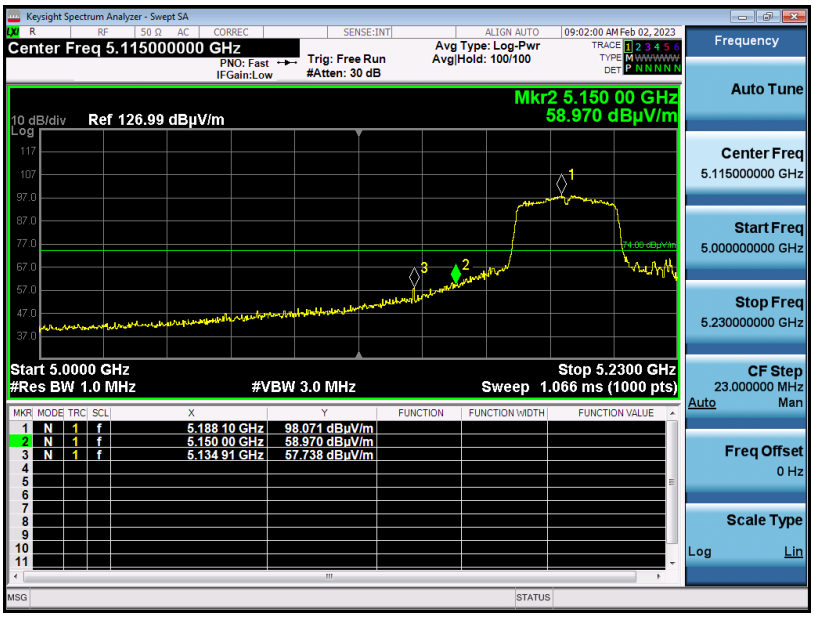
Test Graph for Average Measurement



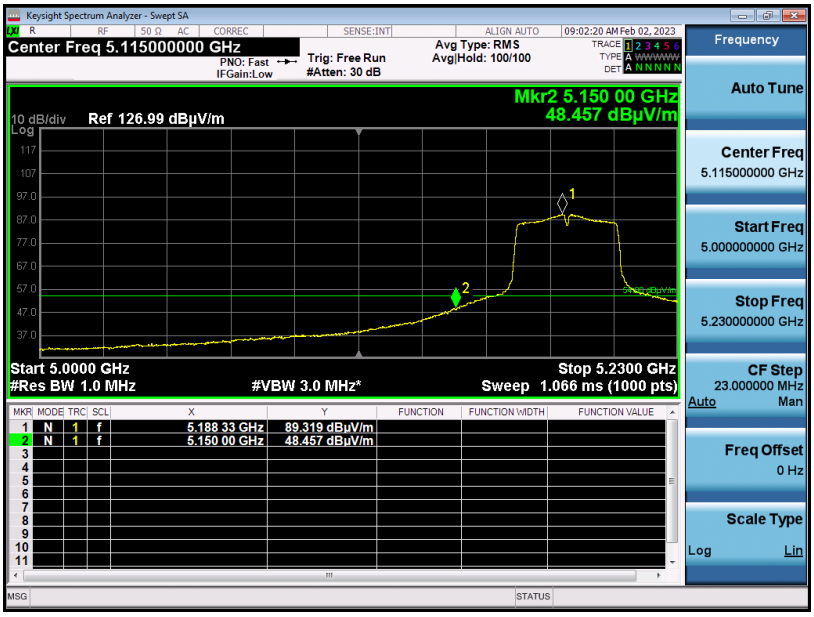
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5190MHz	Antenna	Vertical

Test Graph for Peak Measurement



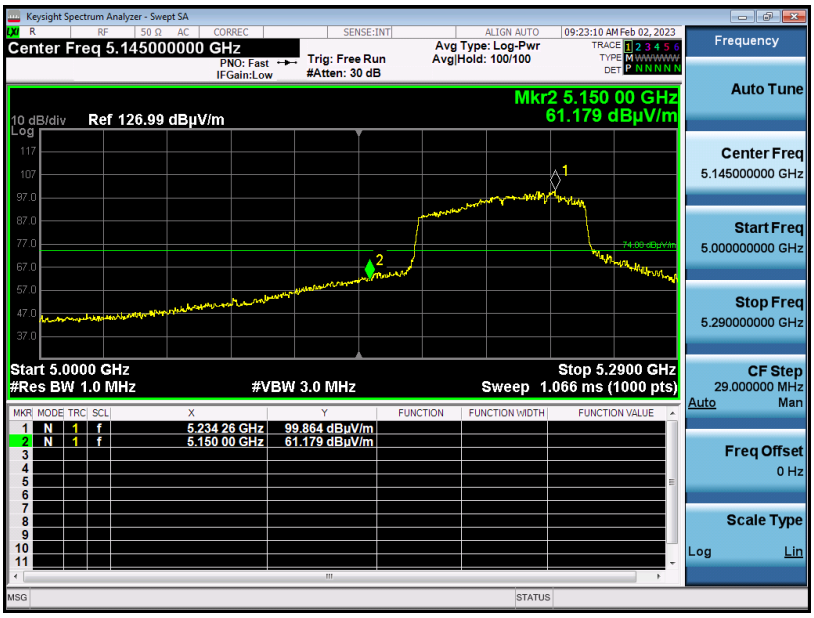
Test Graph for Average Measurement



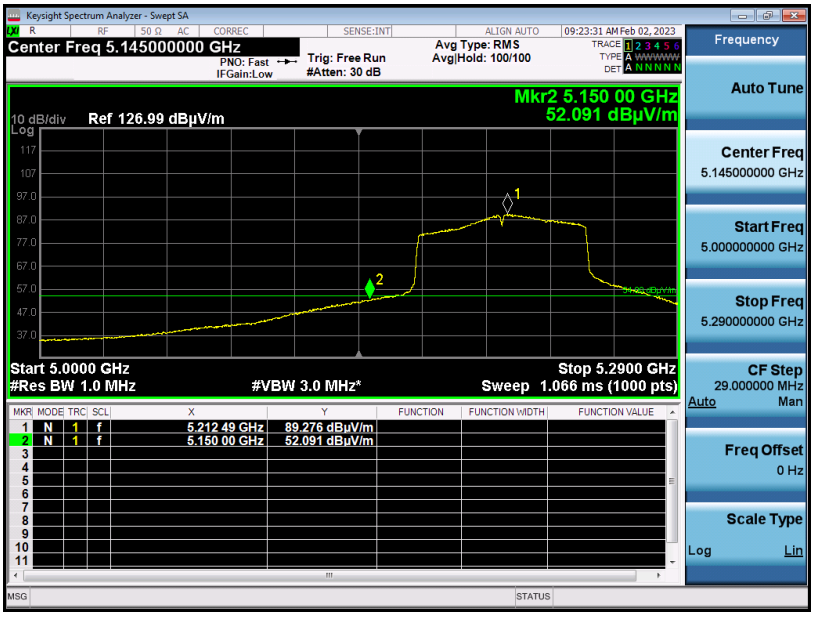
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Horizontal

Test Graph for Peak Measurement



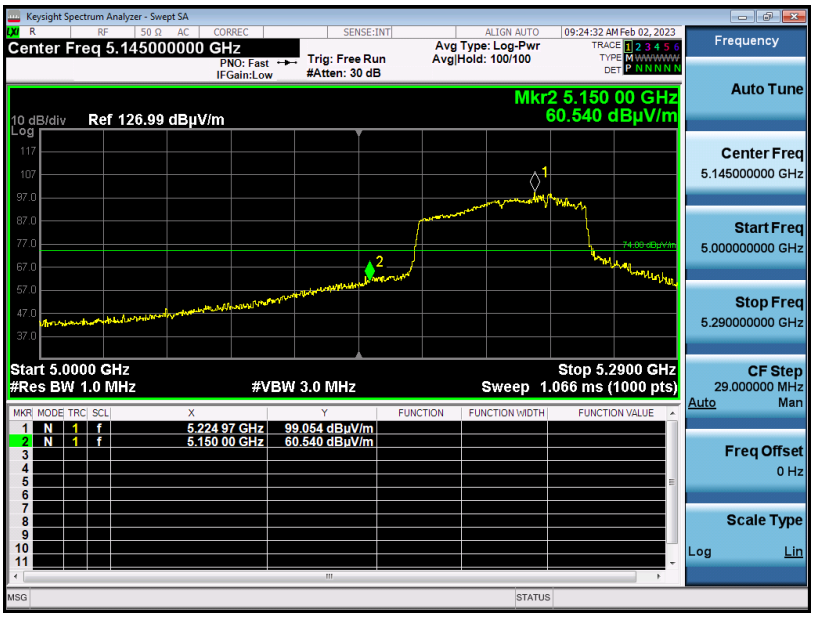
Test Graph for Average Measurement



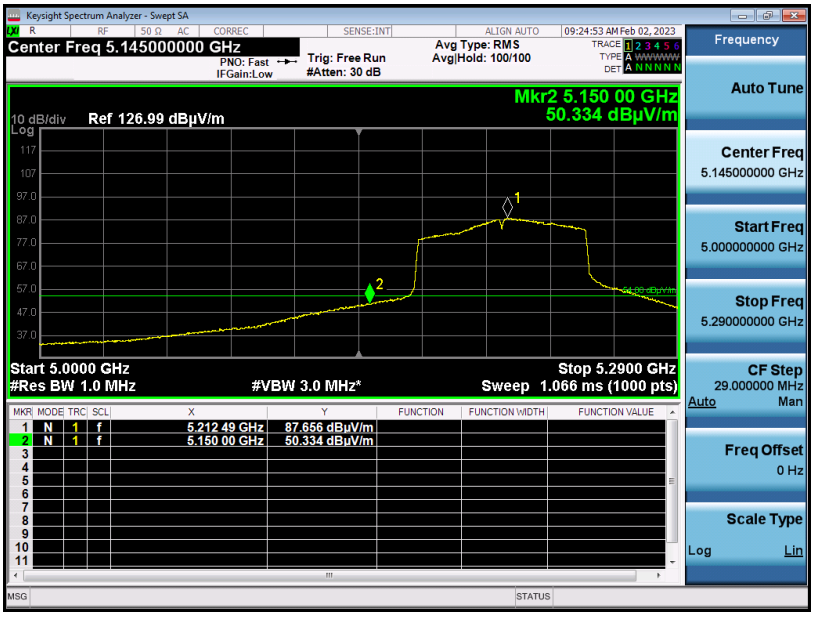
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5210MHz	Antenna	Vertical

Test Graph for Peak Measurement



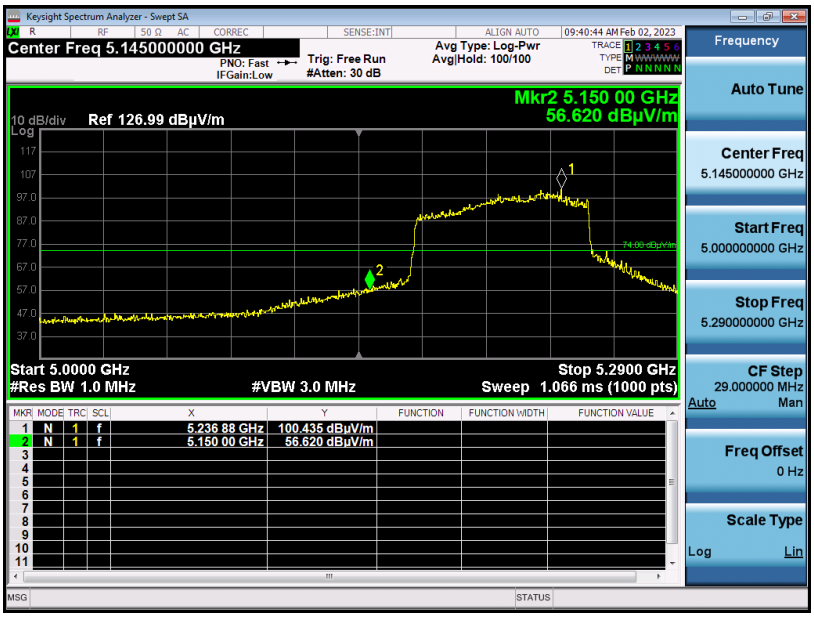
Test Graph for Average Measurement



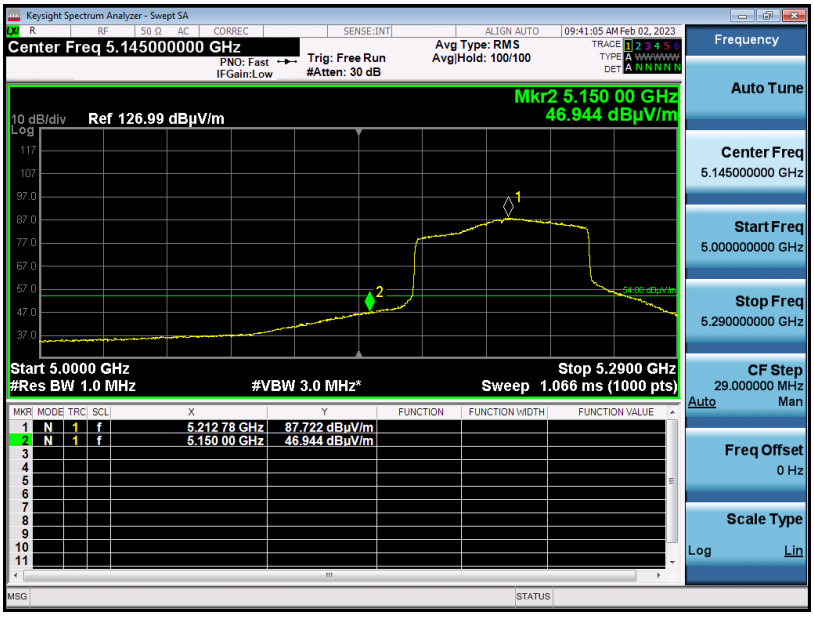
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5210MHz	Antenna	Horizontal

Test Graph for Peak Measurement



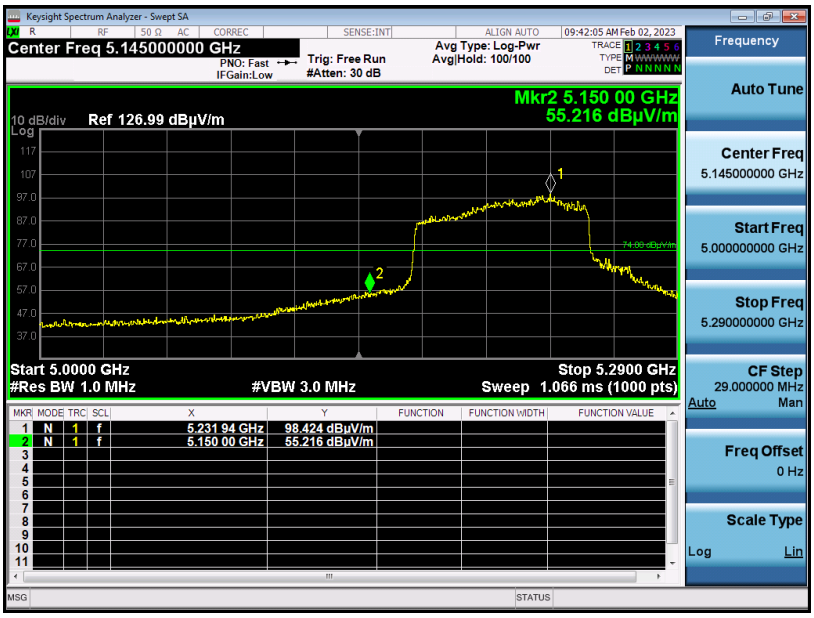
Test Graph for Average Measurement



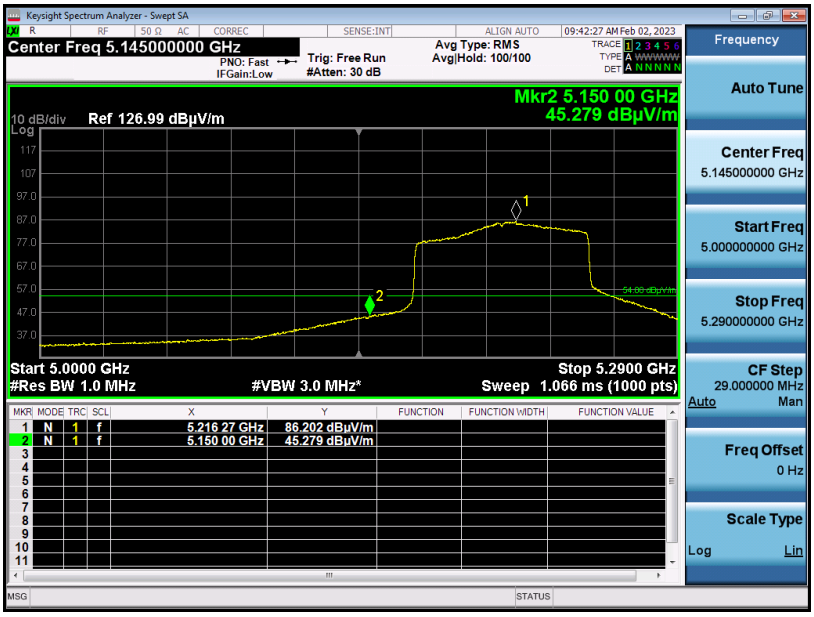
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5210MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



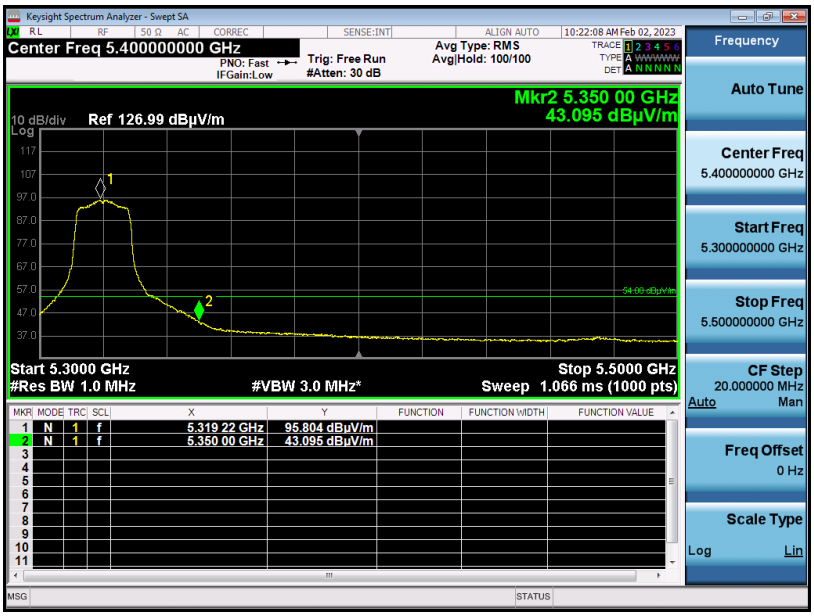
RESULT: PASS

Test result for band edge emission at restricted bands 5.25GHz~5.35GHz

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Horizontal

Test Graph for Peak Measurement

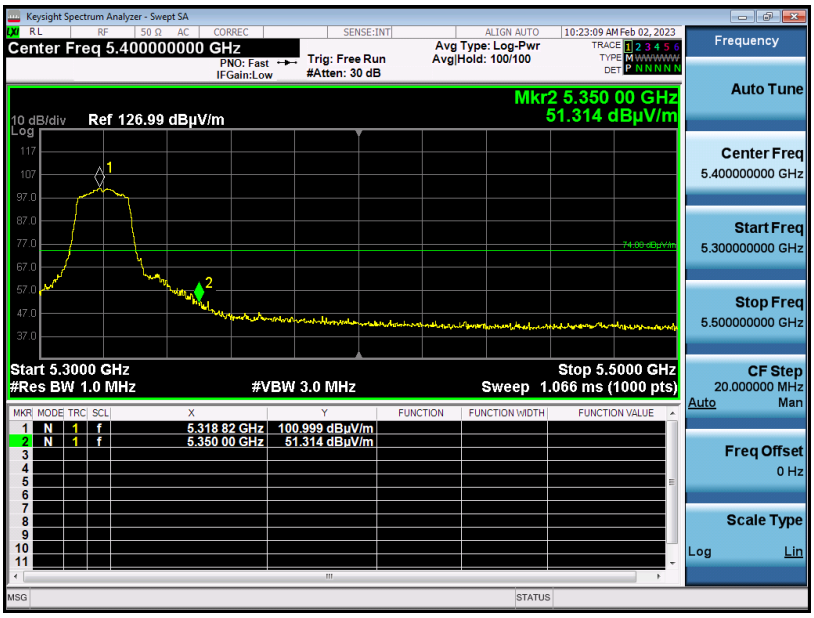
Test Graph for Average Measurement



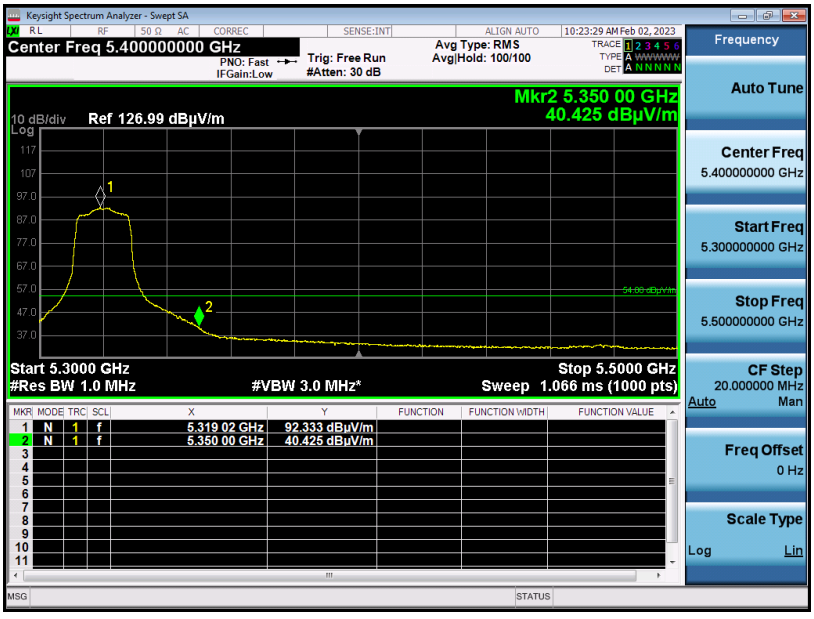
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Vertical

Test Graph for Peak Measurement



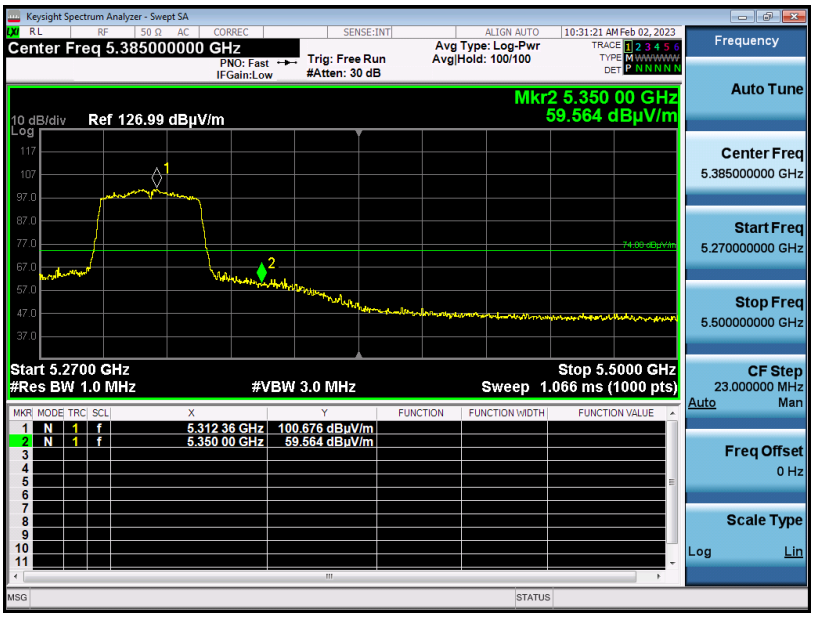
Test Graph for Average Measurement



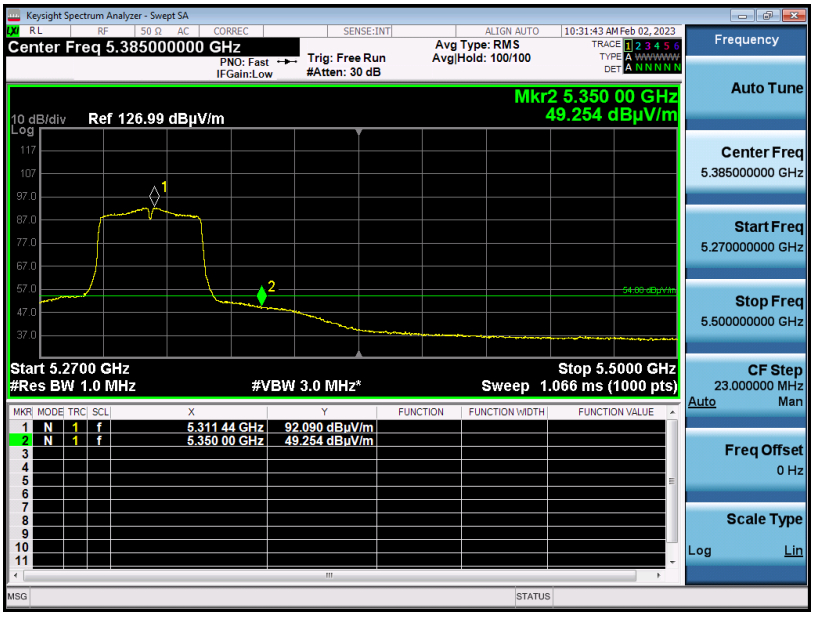
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5310MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

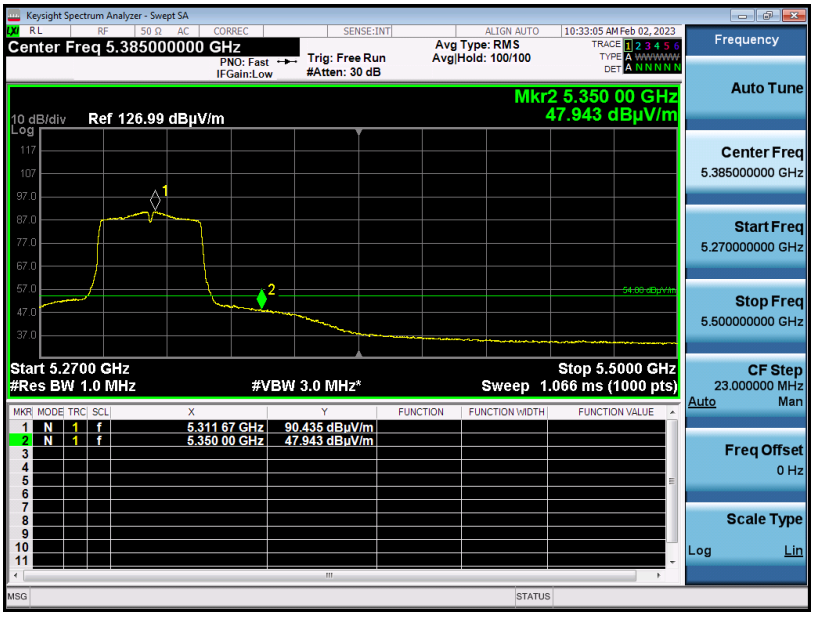


RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5310MHz	Antenna	Vertical

Test Graph for Peak Measurement

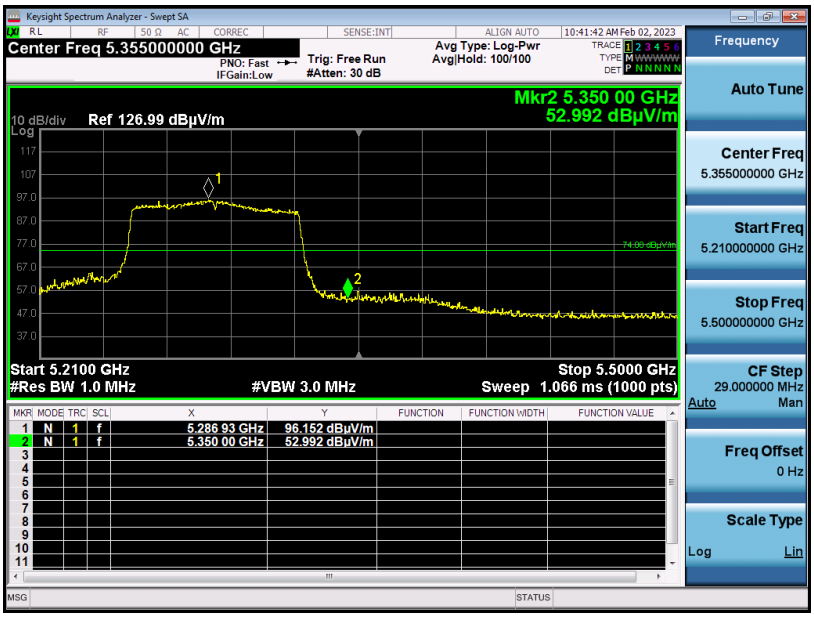
Test Graph for Average Measurement



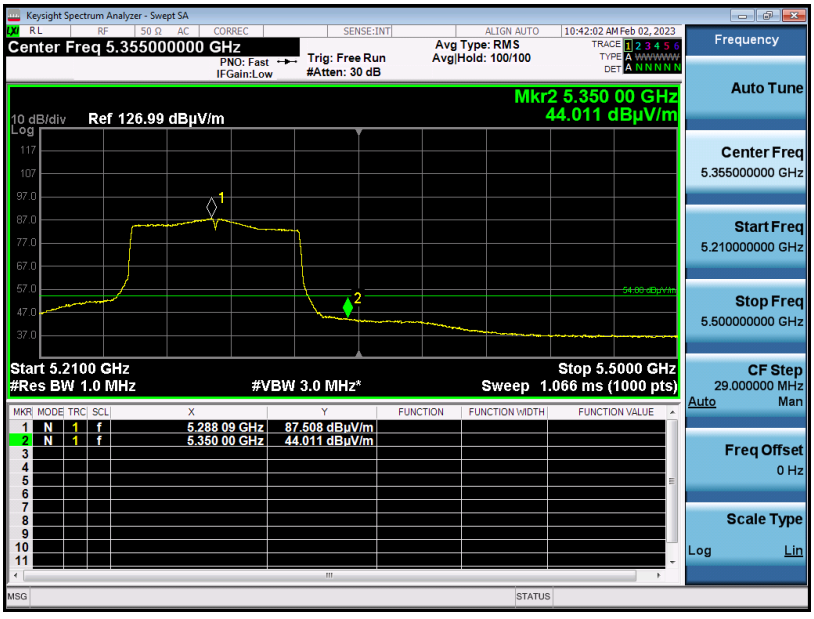
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5290MHz	Antenna	Horizontal

Test Graph for Peak Measurement



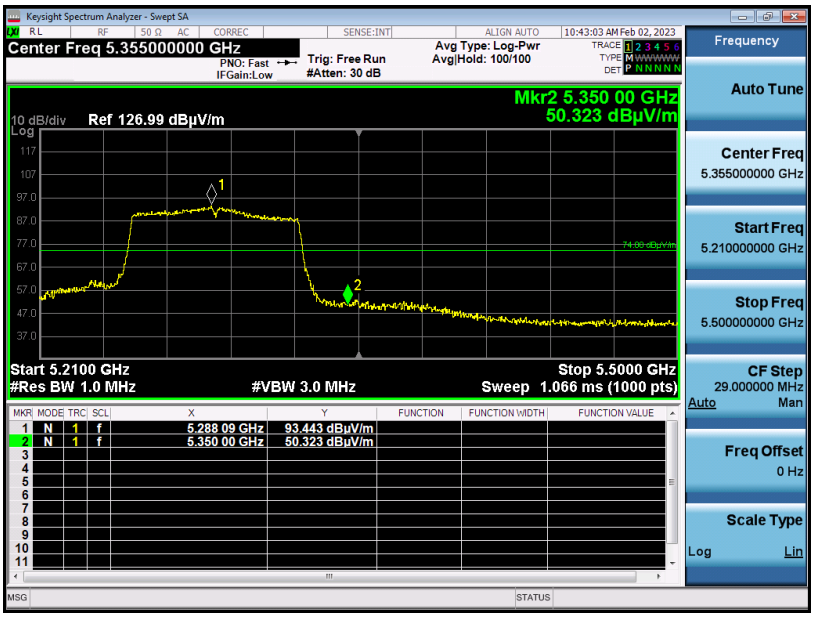
Test Graph for Average Measurement



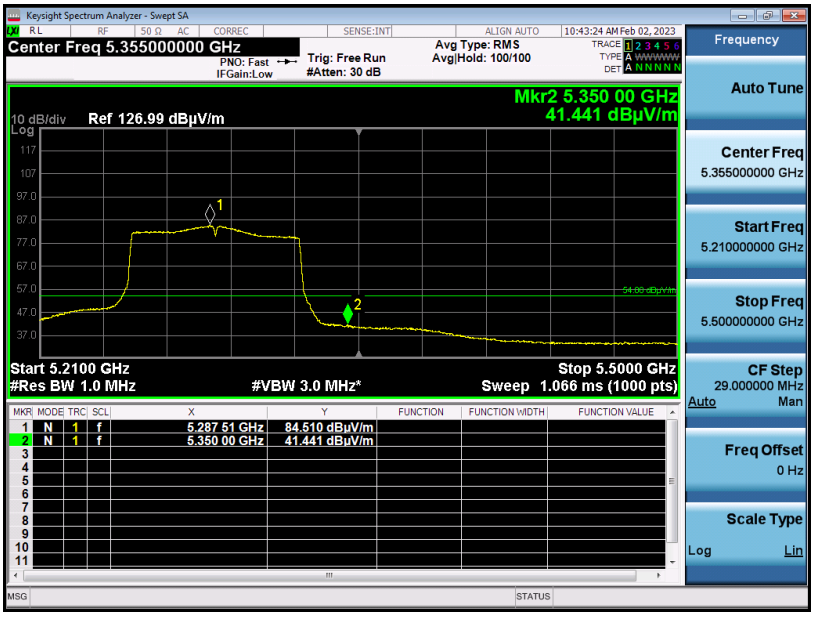
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5290MHz	Antenna	Vertical

Test Graph for Peak Measurement



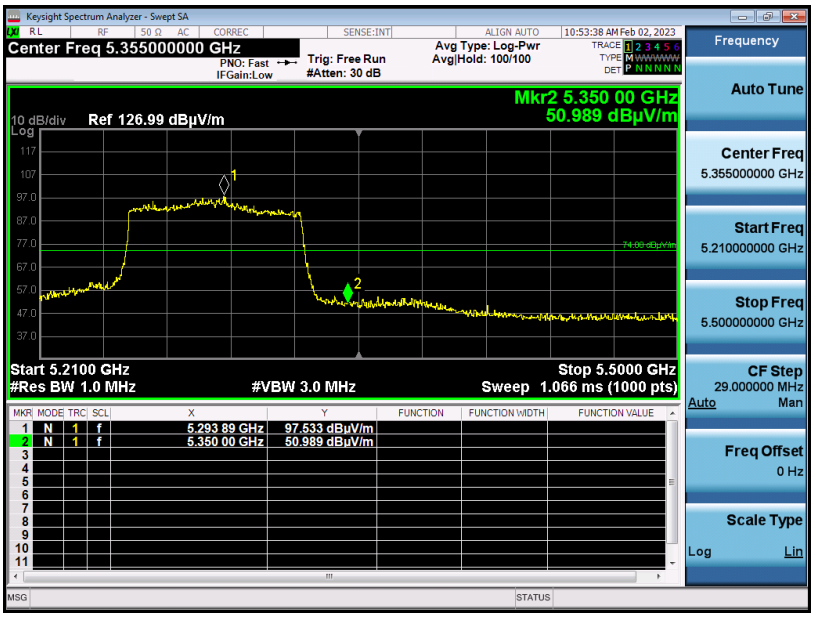
Test Graph for Average Measurement



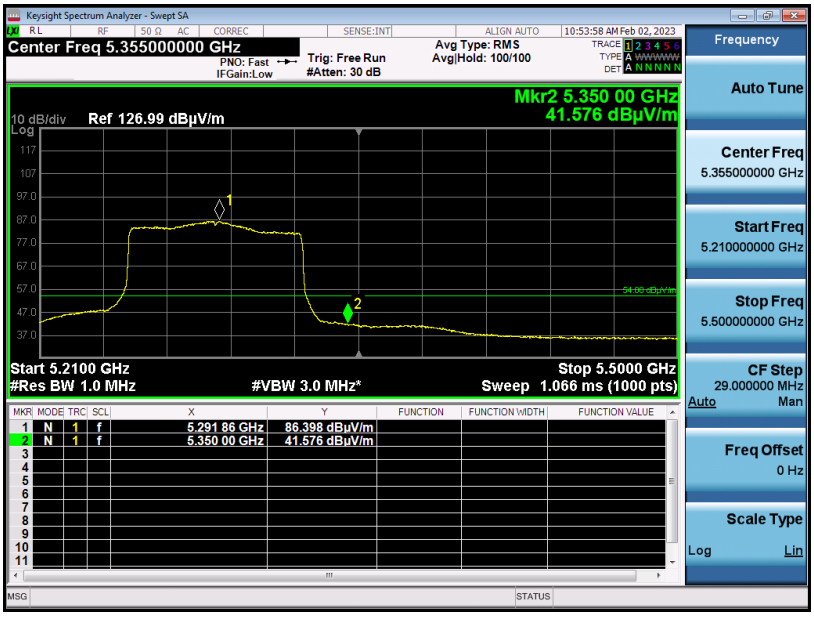
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5290MHz	Antenna	Horizontal

Test Graph for Peak Measurement



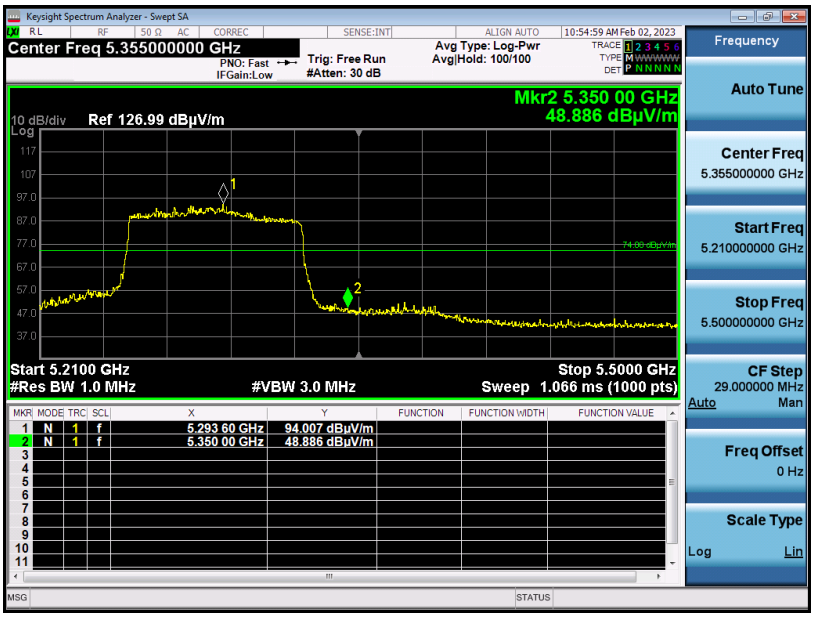
Test Graph for Average Measurement



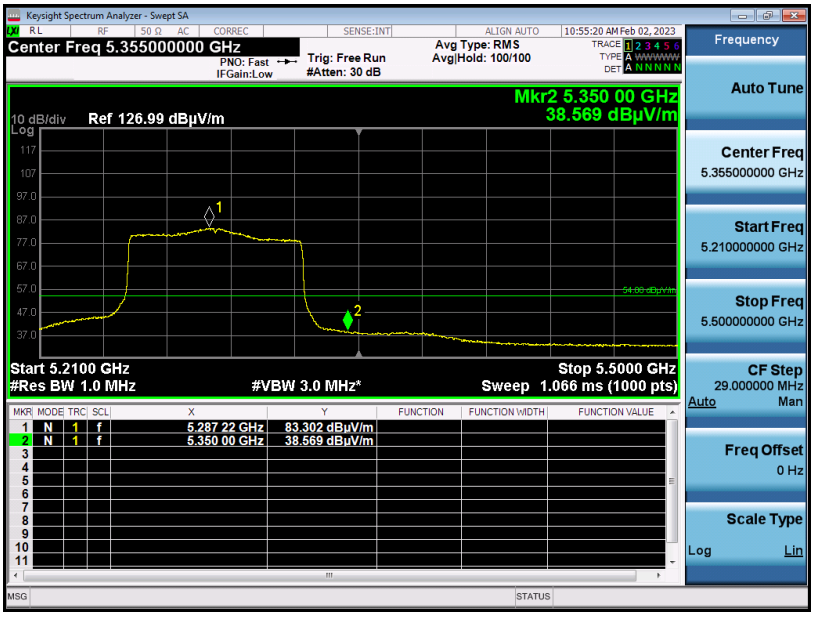
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5290MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

Test result for band edge emission at restricted bands 5.470GHz~5.725GHz

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Horizontal

Test Graph for Peak Measurement

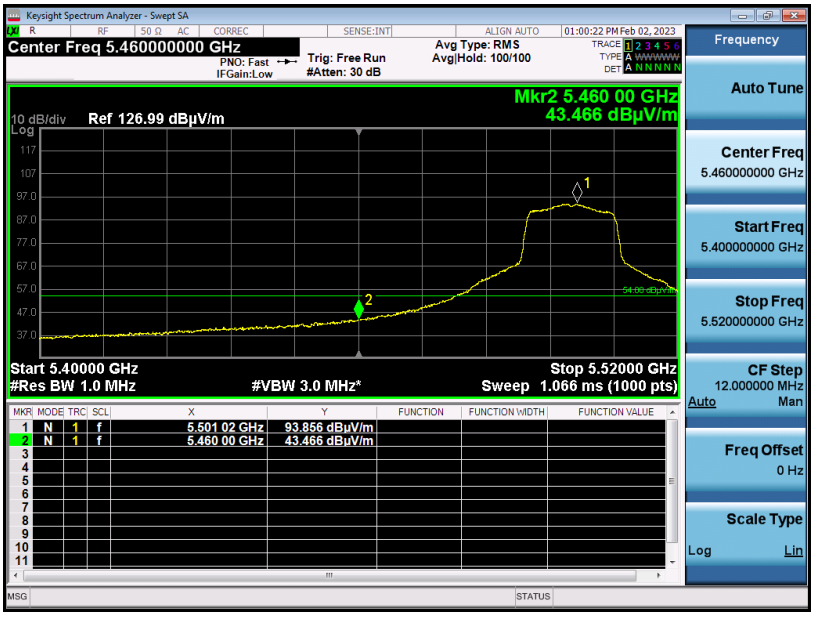
Test Graph for Average Measurement

RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5500MHz	Antenna	Vertical

Test Graph for Peak Measurement

Test Graph for Average Measurement

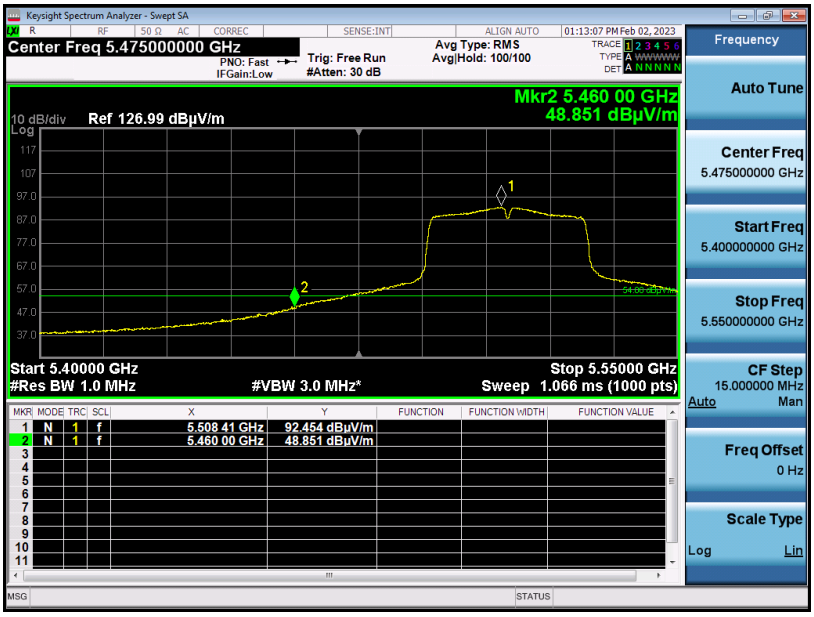


RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5510MHz	Antenna	Horizontal

Test Graph for Peak Measurement

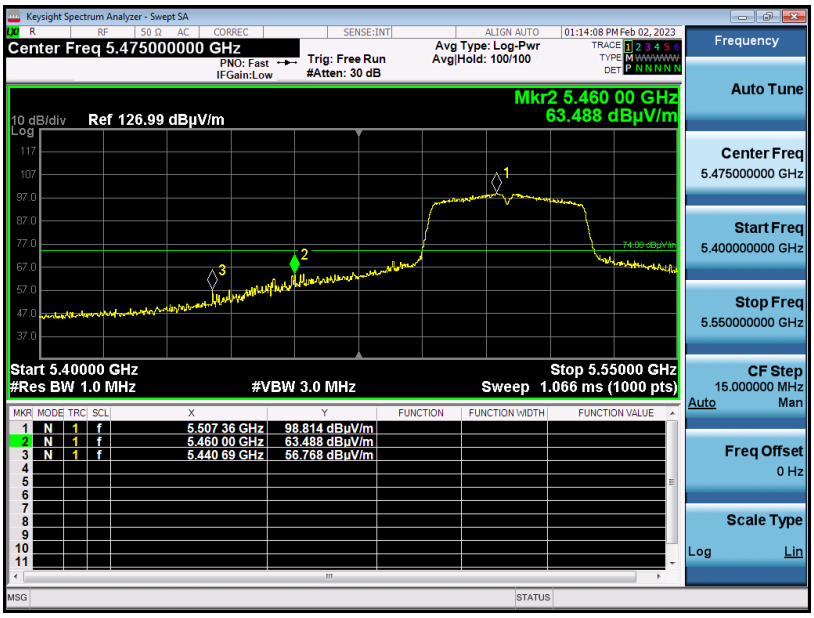
Test Graph for Average Measurement



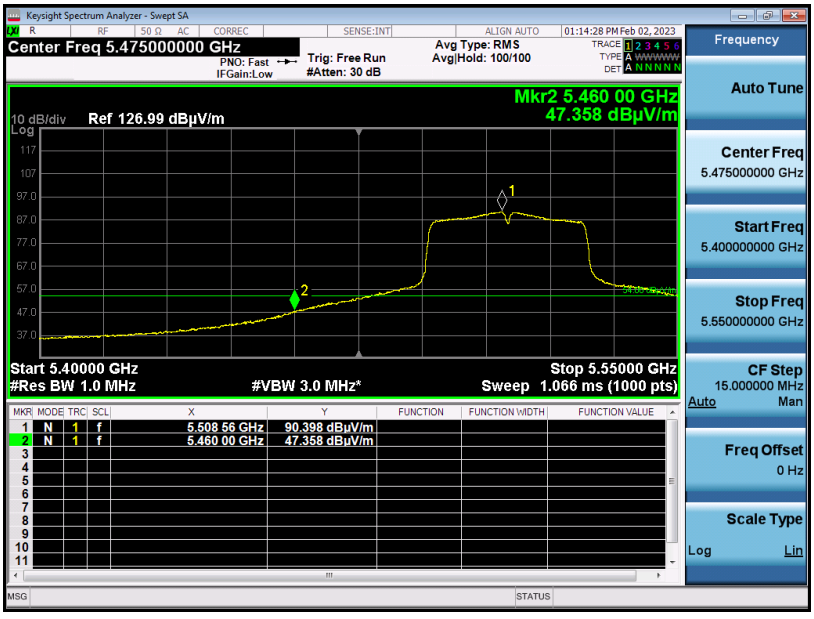
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 5510MHz	Antenna	Vertical

Test Graph for Peak Measurement



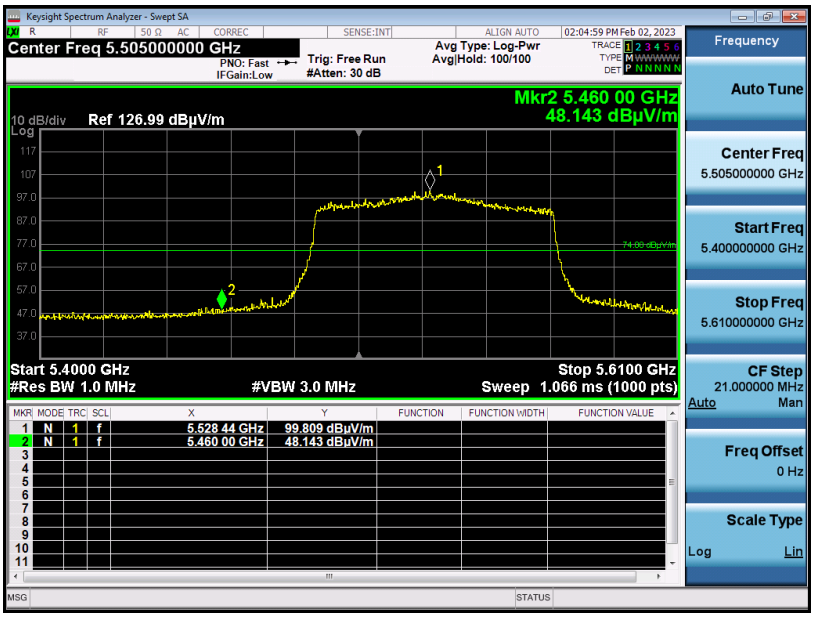
Test Graph for Average Measurement



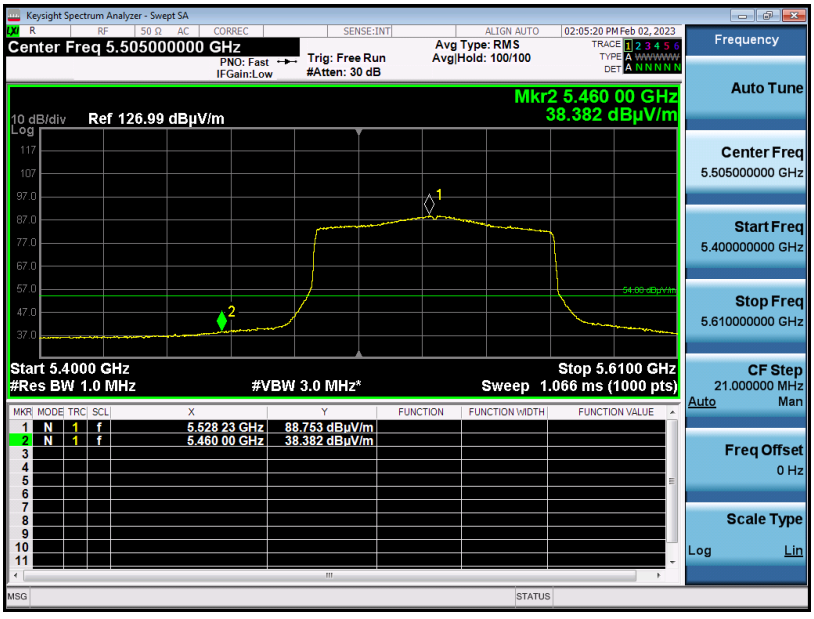
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5530MHz	Antenna	Horizontal

Test Graph for Peak Measurement



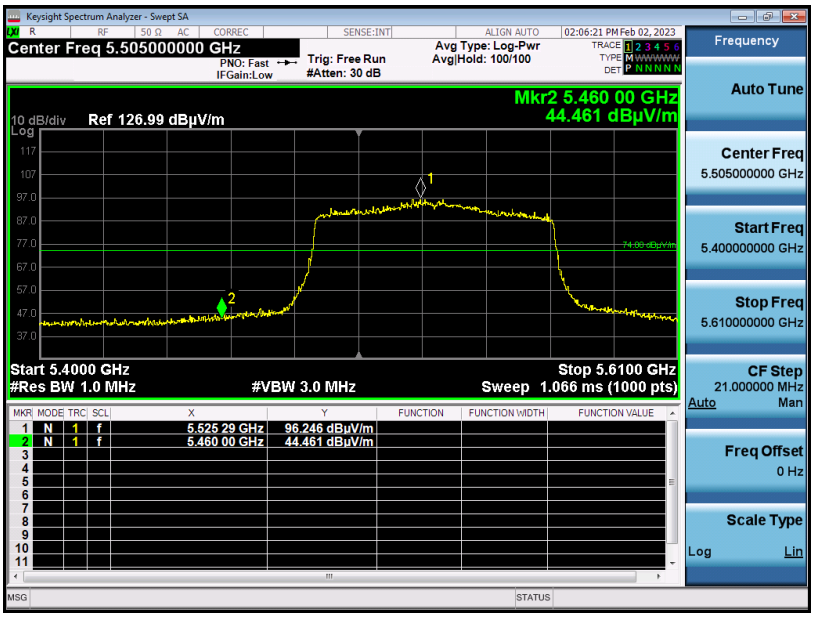
Test Graph for Average Measurement



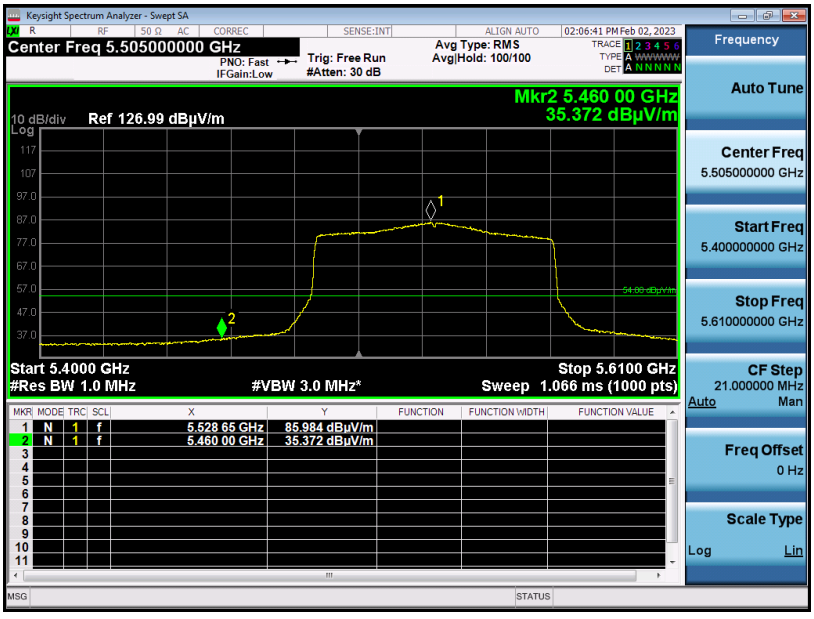
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ac80 5530MHz	Antenna	Vertical

Test Graph for Peak Measurement



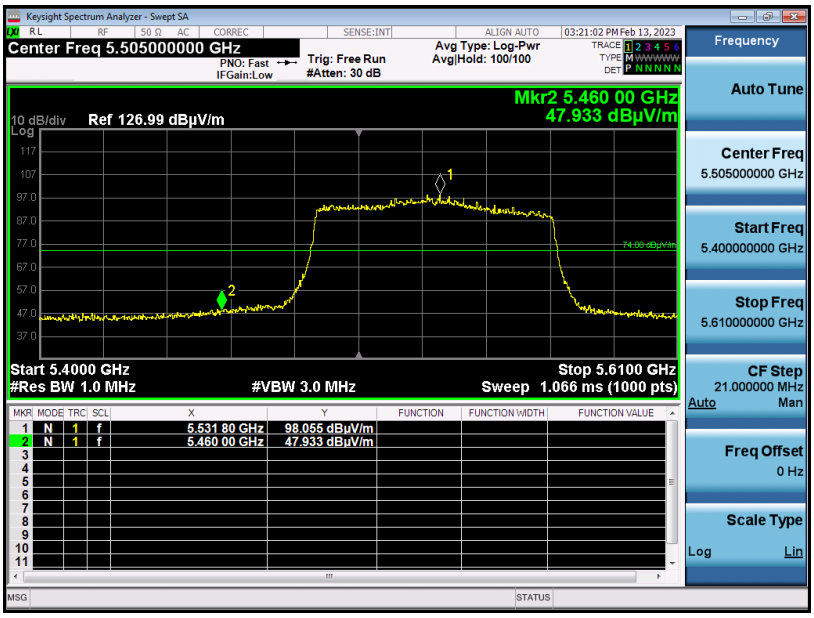
Test Graph for Average Measurement



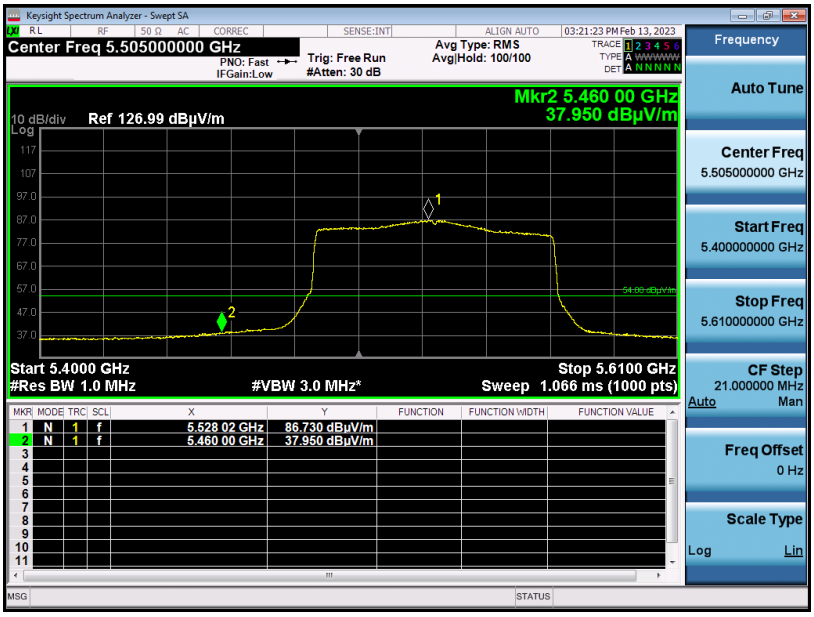
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5610MHz	Antenna	Horizontal

Test Graph for Peak Measurement



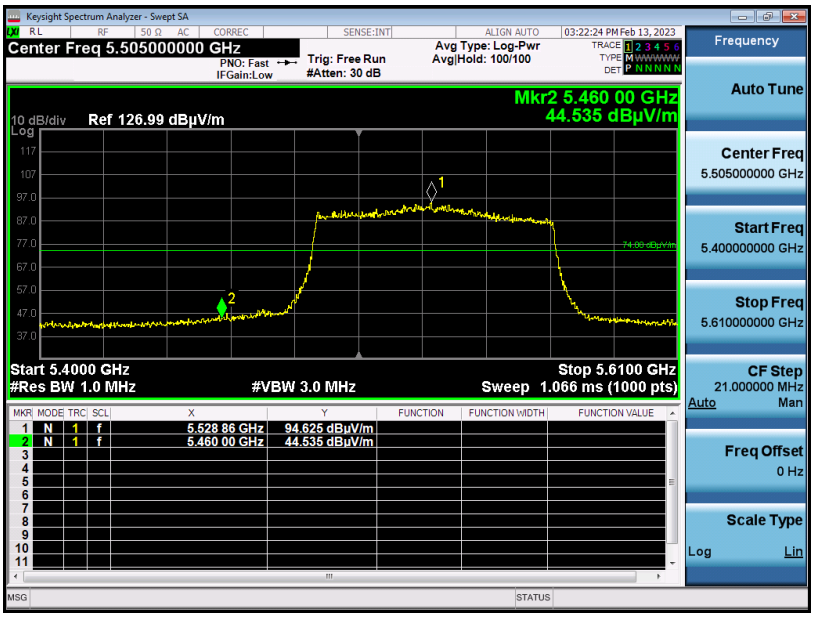
Test Graph for Average Measurement



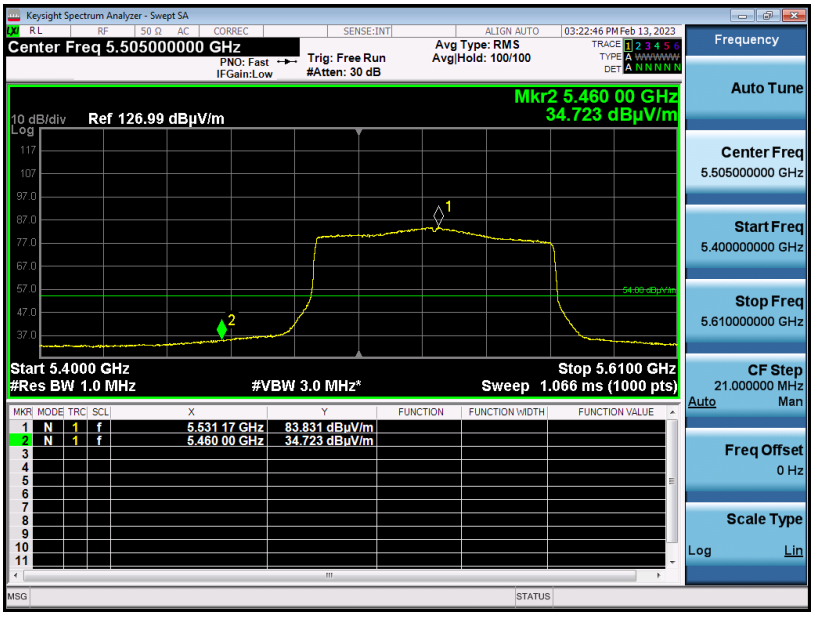
RESULT: PASS

EUT	5G Smart phone	Model Name	AGM G2
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11ax80 5610MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

Note:

1. All antennas are tested for different bands, only the data of antenna 1+ antenna 2 in the worst mode is shown in the report
2. The factor had been edited in the “Input Correction” of the Spectrum Analyzer.
3. Only the data of band edge emission at the restricted band 4.5GHz-5.15GHz and 5.35GHz-5.46GHz record in the report. Other restricted band 7.25GHz-7.77GHz were considered as ambient noise. No recording in the test report.
4. The sideband standard of U NII-3 frequency band is not defined, the transmitted signal does not fall in the restricted band, and the edge signal is far away from the edge of other restricted bands, and it is not recorded in the report.

The edge signal strength of U-NII 3 is far from the edge of the limit band, so there is no need to reflect it

11. AC POWER LINE CONDUCTED EMISSION TEST

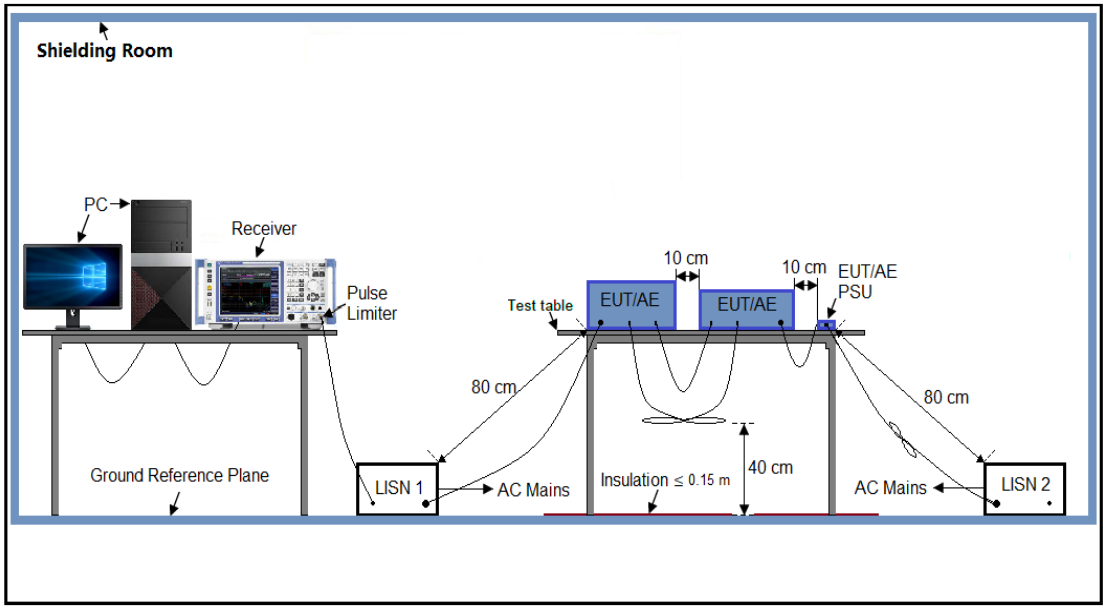
11.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P (dBμV)	Average (dBμV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

11.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



11.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hzpower by a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 Ohm load; the second scan had Line 1 connected to a 50 Ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

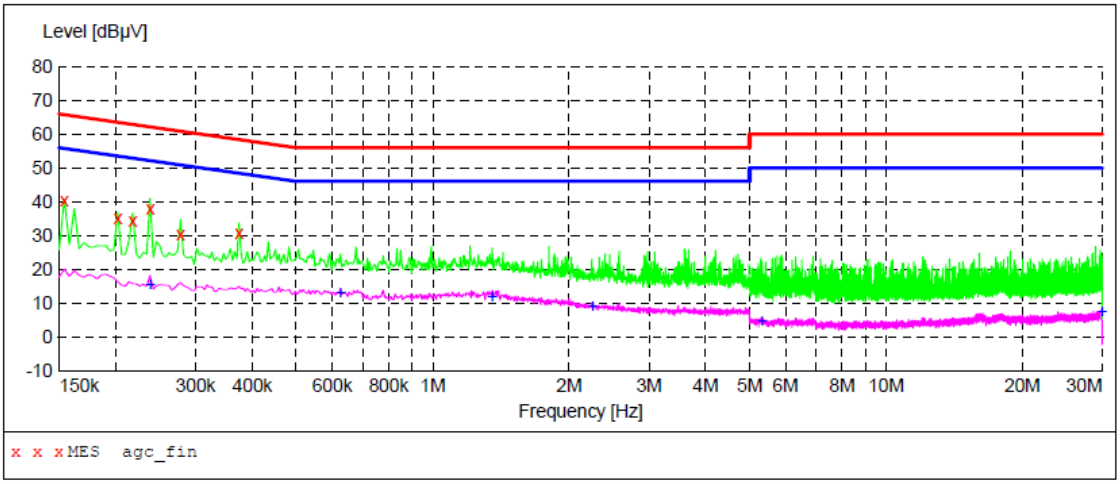
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

11.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case was reported on the Summary Data page.
4. The worst mode is 802.11n20 5180MHz, antenna 1 and antenna 2 work together.

11.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

AC POWER LINE CONDUCTED EMISSION TEST			
Test Mode	802.11n(20MHz)_5180MHz	LISN line	Hot Side



MEASUREMENT RESULT: "agc_fin"

2023/1/6 20:32

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	40.40	6.9	66	25.4	QP	L1
0.202000	35.10	6.5	64	28.4	QP	L1
0.218000	34.30	6.4	63	28.6	QP	L1
0.238000	38.00	6.3	62	24.2	QP	L1
0.278000	30.20	6.1	61	30.7	QP	L1
0.374000	30.60	5.8	58	27.8	QP	L1

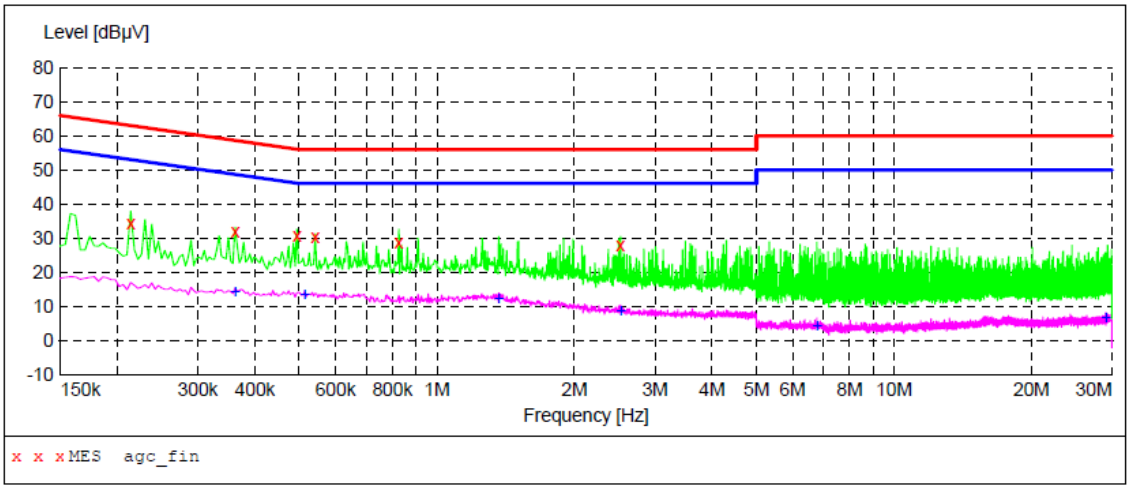
MEASUREMENT RESULT: "agc_fin2"

2023/1/6 20:31

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.238000	15.50	6.3	52	36.7	AV	L1
0.626000	13.10	5.4	46	32.9	AV	L1
1.354000	12.10	5.9	46	33.9	AV	L1
2.254000	8.90	6.5	46	37.1	AV	L1
5.326000	4.50	6.6	50	45.5	AV	L1
29.998000	7.30	9.6	50	42.7	AV	L1

RESULT: PASS

AC POWER LINE CONDUCTED EMISSION TEST			
Test Mode	802.11n(40MHz)_5180MHz	LISN line	Neutral Side



MEASUREMENT RESULT: "agc_fin"

2023/1/6 20:28

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.214000	34.30	6.5	63	28.7	QP	N
0.362000	31.70	5.8	59	27.0	QP	N
0.494000	30.80	5.4	56	25.3	QP	N
0.542000	30.40	5.4	56	25.6	QP	N
0.826000	28.90	5.4	56	27.1	QP	N
2.526000	27.90	6.5	56	28.1	QP	N

MEASUREMENT RESULT: "agc_fin2"

2023/1/6 20:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.362000	14.20	5.8	49	34.5	AV	N
0.514000	13.40	5.4	46	32.6	AV	N
1.366000	12.40	5.9	46	33.6	AV	N
2.526000	8.60	6.5	46	37.4	AV	N
6.786000	4.20	6.7	50	45.8	AV	N
29.114000	6.80	9.5	50	43.2	AV	N

RESULT: PASS

APPENDIX I: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC00408221201AP01

APPENDIX II: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC00408221201AP03

----END OF REPORT----

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1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.