

Report Number :E2/2022/30060

Test Site :SAC G

Operation Mode :802.11ax160

Test Date :2022-06-15

Test Frequency :5250 MHz

Temp./Humi. :23.3/58

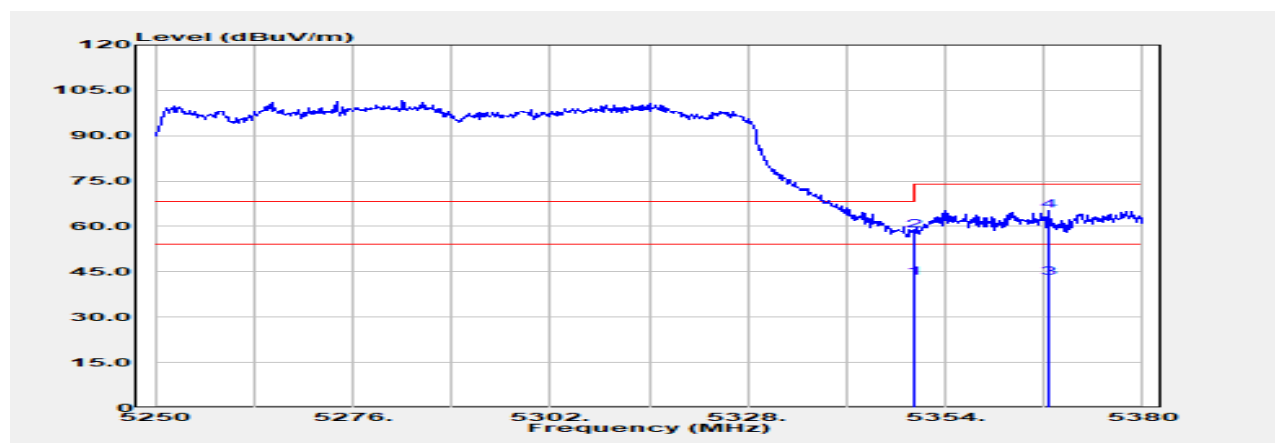
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E1 Plane

Engineer :Quentin Liu

Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	40.92	2.21	43.13	54.00	-10.87
5350.000	Peak	56.44	2.21	58.65	74.00	-15.35
5367.780	Average	40.73	2.29	43.02	54.00	-10.98
5367.780	Peak	63.01	2.29	65.30	74.00	-8.70

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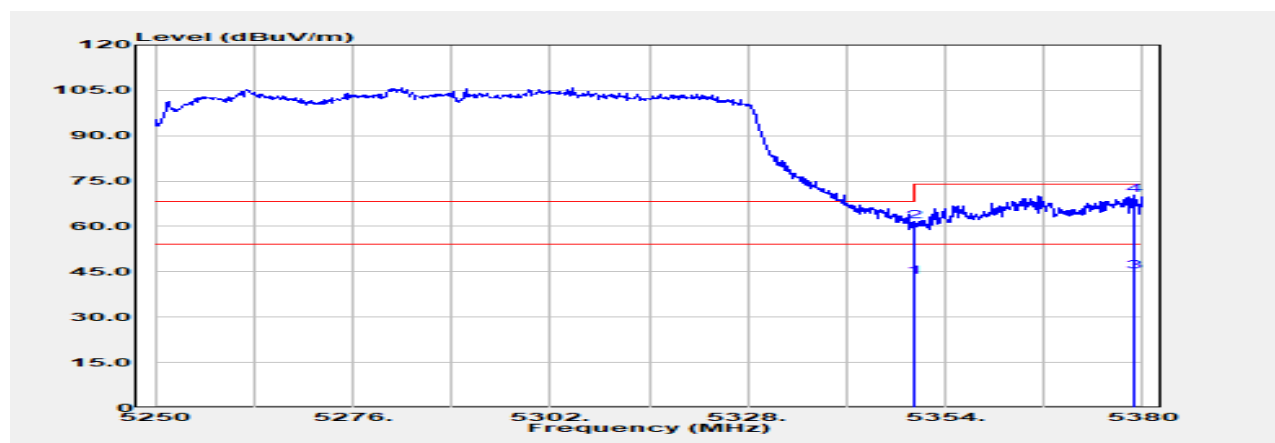
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E1 Plane

Engineer :Quentin Liu

Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	41.02	2.21	43.23	54.00	-10.77
5350.000	Peak	59.35	2.21	61.56	74.00	-12.44
5378.960	Average	42.78	2.34	45.12	54.00	-8.88
5378.960	Peak	68.14	2.34	70.48	74.00	-3.52

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Report Number :E2/2022/30060

Test Site :SAC G

Operation Mode :802.11ax160

Test Date :2022-06-15

Test Frequency :5570 MHz

Temp./Humi. :23.3/58

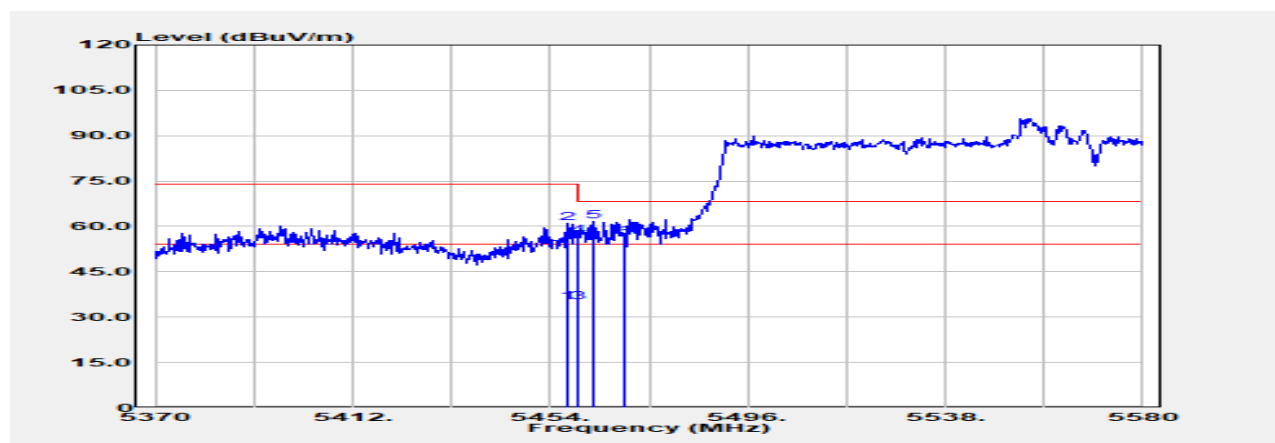
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E1 Plane

Engineer :Quentin Liu

Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5457.780	Average	32.28	2.63	34.91	54.00	-19.09
5457.780	Peak	58.33	2.63	60.96	74.00	-13.04
5460.000	Average	32.16	2.64	34.80	54.00	-19.20
5460.000	Peak	54.35	2.64	56.99	74.00	-17.01
5463.030	Peak	59.12	2.68	61.80	68.20	-6.40
5470.000	Peak	53.57	2.77	56.34	68.20	-11.86

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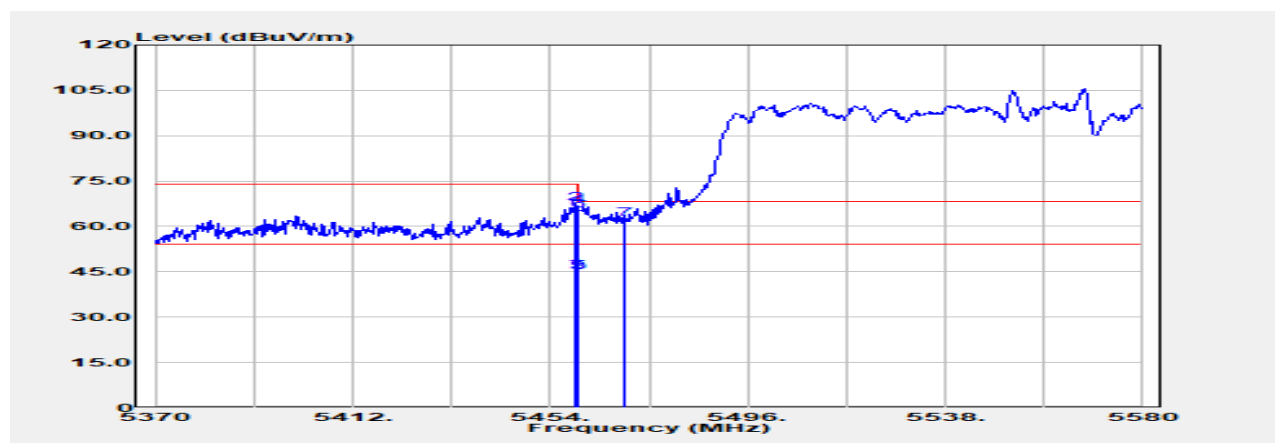
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E1 Plane

Engineer :Quentin Liu

Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5459.250	Average	43.02	2.64	45.66	54.00	-8.34
5459.250	Peak	65.05	2.64	67.68	74.00	-6.32
5459.880	Average	42.21	2.64	44.85	54.00	-9.15
5459.880	Peak	64.19	2.64	66.83	74.00	-7.17
5460.000	Average	42.54	2.64	45.18	54.00	-8.82
5460.000	Peak	62.60	2.64	65.24	74.00	-8.76
5470.000	Peak	59.81	2.77	62.58	68.20	-5.62

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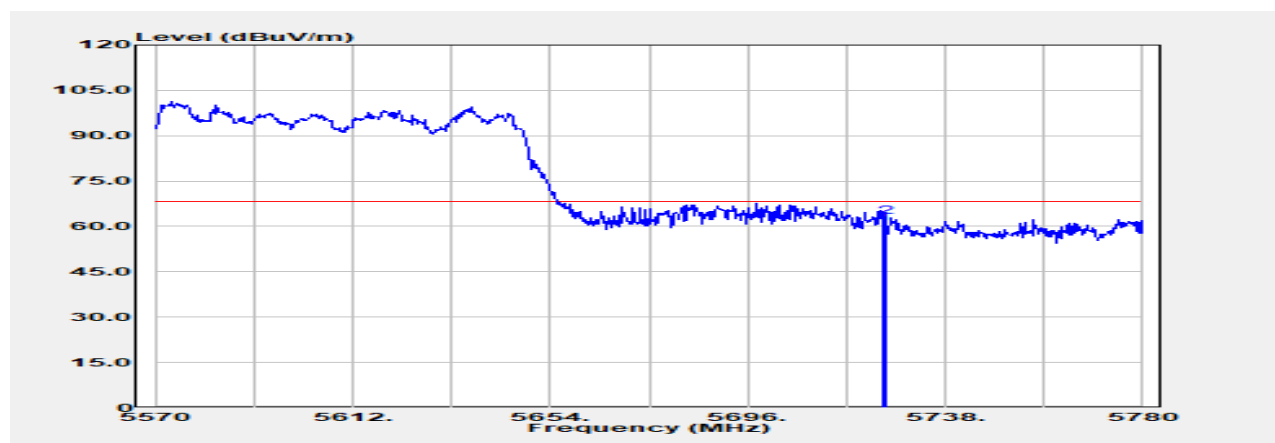
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E1 Plane

Engineer :Quentin Liu

Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	56.97	4.21	61.18	68.20	-7.02
5725.400	Peak	58.96	4.21	63.17	68.20	-5.03

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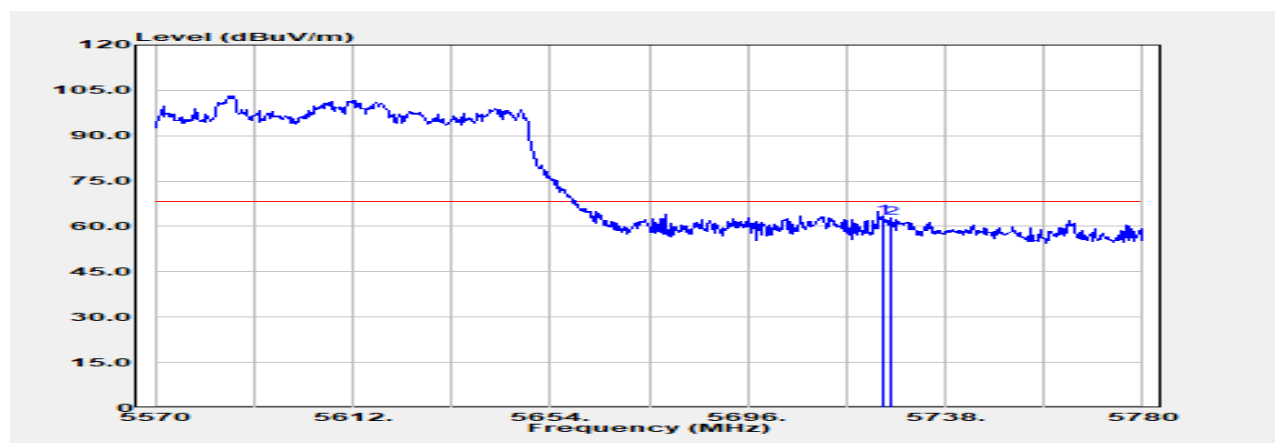
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

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Ant Path :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	59.24	4.21	63.45	68.20	-4.75
5726.240	Peak	58.62	4.22	62.84	68.20	-5.36

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

13.2 Antenna Connected Construction

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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