

Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-07

Test Frequency :5690 MHz

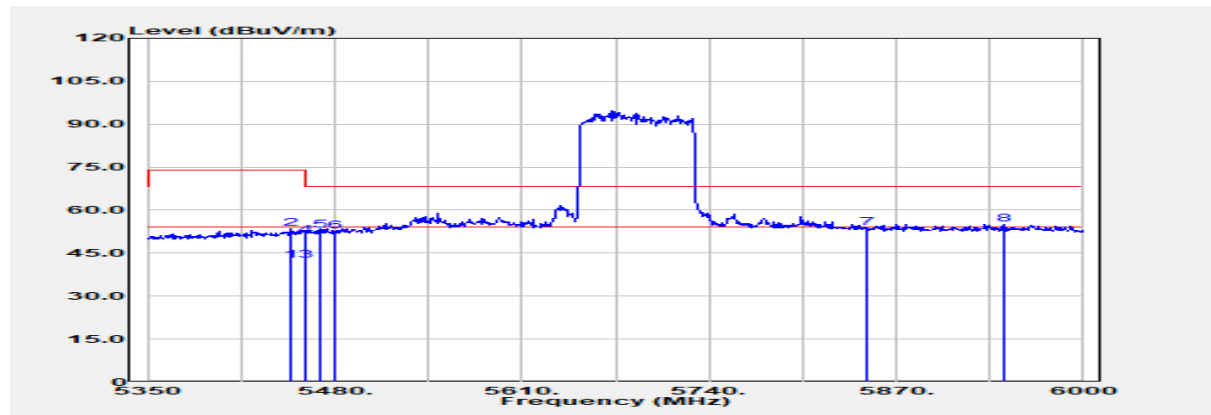
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



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
5450.100	Average	28.12	14.29	42.41	54.00	-11.59
5450.100	Peak	39.15	14.29	53.43	74.00	-20.57
5460.000	Average	28.24	14.29	42.53	54.00	-11.47
5460.000	Peak	36.98	14.29	51.27	74.00	-22.73
5470.000	Peak	38.71	14.29	53.00	68.20	-15.20
5480.000	Peak	38.42	14.29	52.71	68.20	-15.49
5850.000	Peak	38.91	14.90	53.81	68.20	-14.39
5944.750	Peak	39.93	15.17	55.10	68.20	-13.10

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Operation Mode :802.11ax80

Test Date :2023-02-07

Test Frequency :5690 MHz

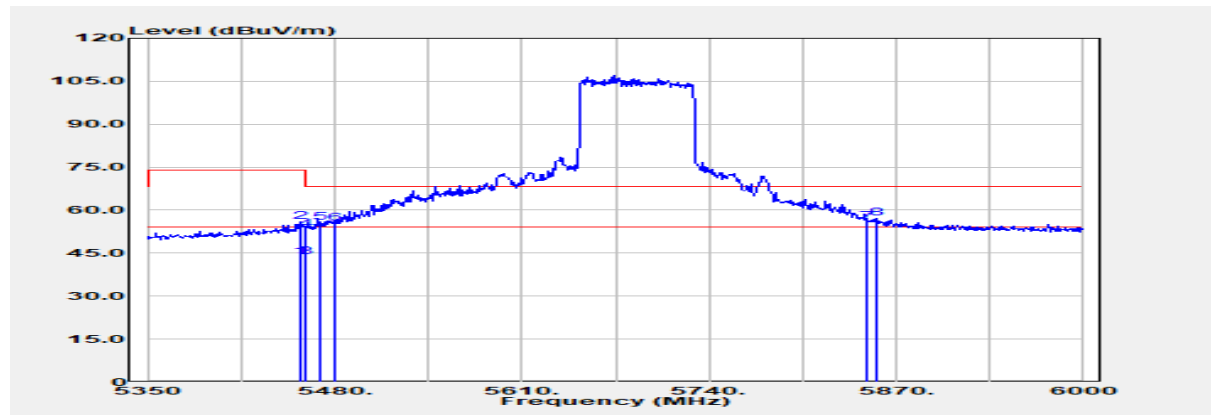
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5455.950	Average	29.19	14.29	43.48	54.00	-10.52
5455.950	Peak	41.60	14.29	55.89	74.00	-18.11
5460.000	Average	29.45	14.29	43.74	54.00	-10.26
5460.000	Peak	39.05	14.29	53.34	74.00	-20.66
5470.000	Peak	41.34	14.29	55.63	68.20	-12.57
5480.000	Peak	40.92	14.29	55.21	68.20	-12.99
5850.000	Peak	41.03	14.90	55.93	68.20	-12.27
5855.700	Peak	42.30	14.90	57.20	68.20	-11.00

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Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-09

Test Frequency :5775 MHz

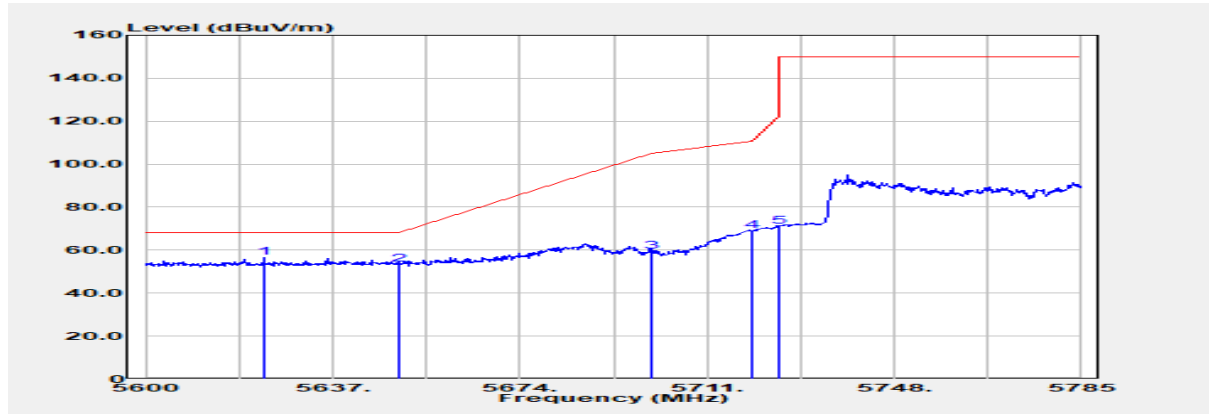
Temp./Humi. :23.5/65

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5623.495	Peak	41.97	14.54	56.51	68.20	-11.69
5650.000	Peak	38.72	14.51	53.23	68.20	-14.97
5700.000	Peak	45.10	14.19	59.30	105.20	-45.90
5720.000	Peak	54.76	14.35	69.11	110.80	-41.69
5725.000	Peak	56.74	14.39	71.14	122.20	-51.06

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Operation Mode :802.11ax80

Test Date :2023-02-09

Test Frequency :5775 MHz

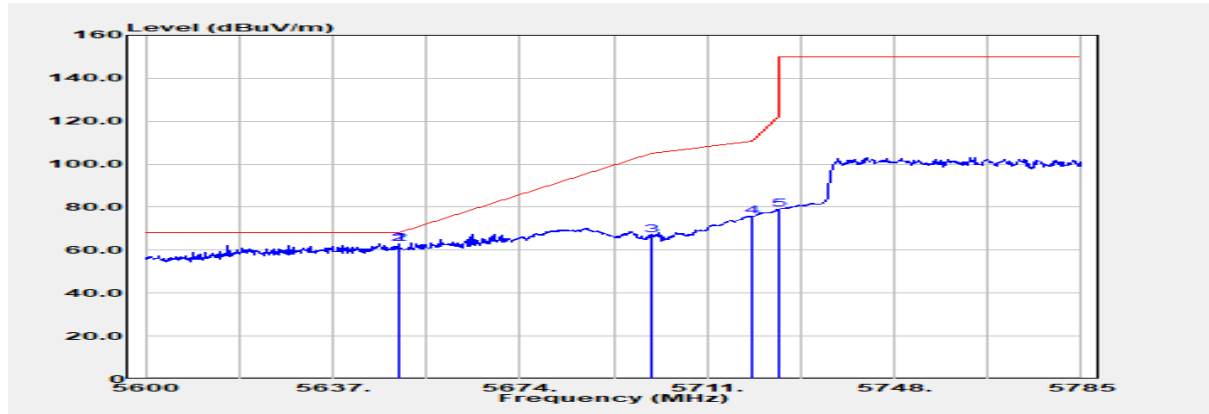
Temp./Humi. :23.5/65

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



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
5649.950	Peak	48.49	14.51	63.00	68.20	-5.20
5650.000	Peak	48.49	14.51	63.00	68.20	-5.20
5700.000	Peak	52.87	14.19	67.06	105.20	-38.14
5720.000	Peak	61.31	14.35	75.67	110.80	-35.13
5725.000	Peak	64.66	14.39	79.06	122.20	-43.14

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Operation Mode :802.11ax80

Test Date :2023-02-07

Test Frequency :5775 MHz

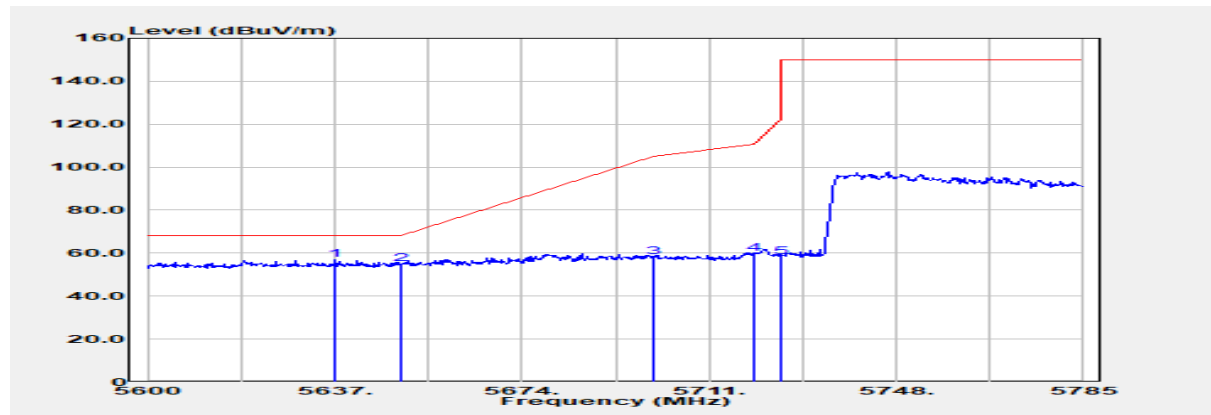
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5637.185	Peak	42.39	14.52	56.91	68.20	-11.29
5650.000	Peak	40.47	14.51	54.98	68.20	-13.22
5700.000	Peak	43.77	14.19	57.96	105.20	-47.24
5720.000	Peak	45.42	14.35	59.77	110.80	-51.03
5725.000	Peak	43.73	14.39	58.12	122.20	-64.08

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Test Date :2023-02-07

Test Frequency :5775 MHz

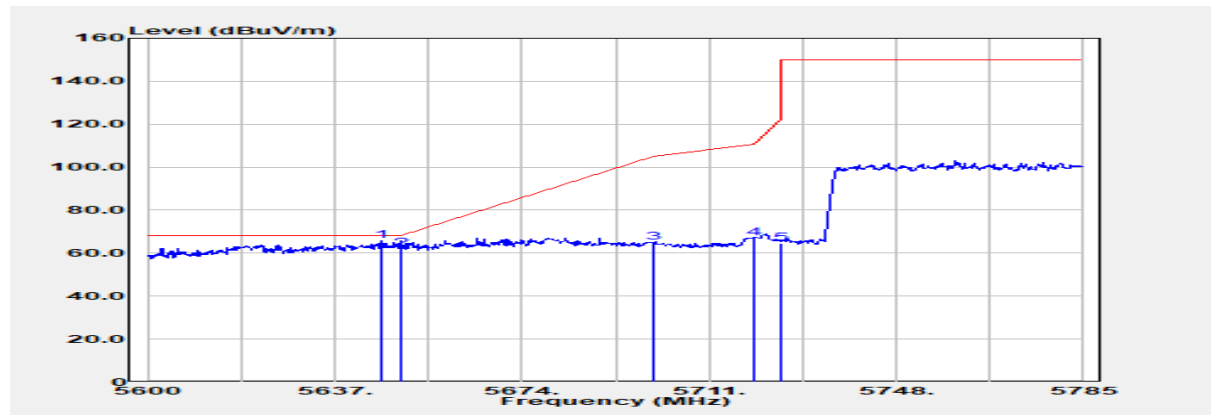
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



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
5646.065	Peak	51.29	14.51	65.80	68.20	-2.40
5650.000	Peak	47.81	14.51	62.31	68.20	-5.89
5700.000	Peak	50.88	14.19	65.07	105.20	-40.13
5720.000	Peak	52.70	14.35	67.05	110.80	-43.75
5725.000	Peak	50.24	14.39	64.63	122.20	-57.57

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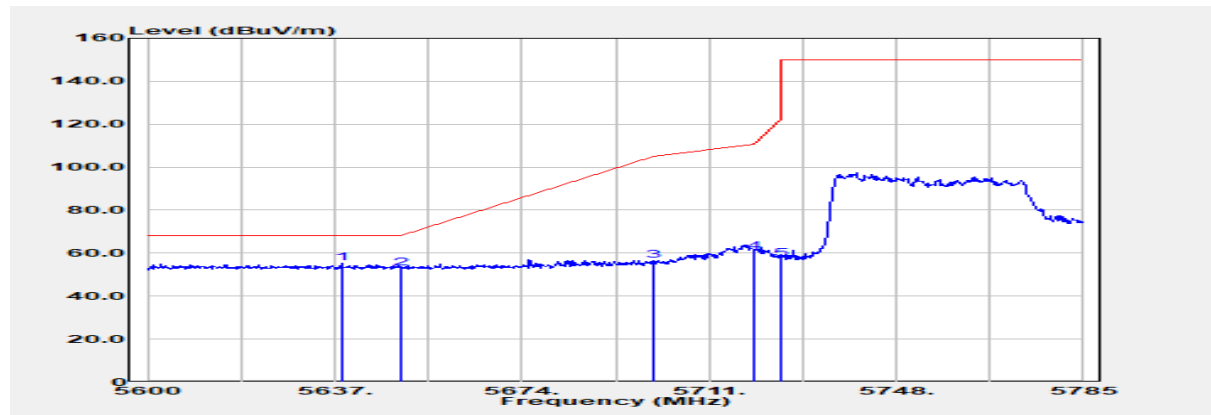
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Member of SGS Group

Report Number :TERF2211002514E2
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/65
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Vertical
 Engineer :Andy Wang



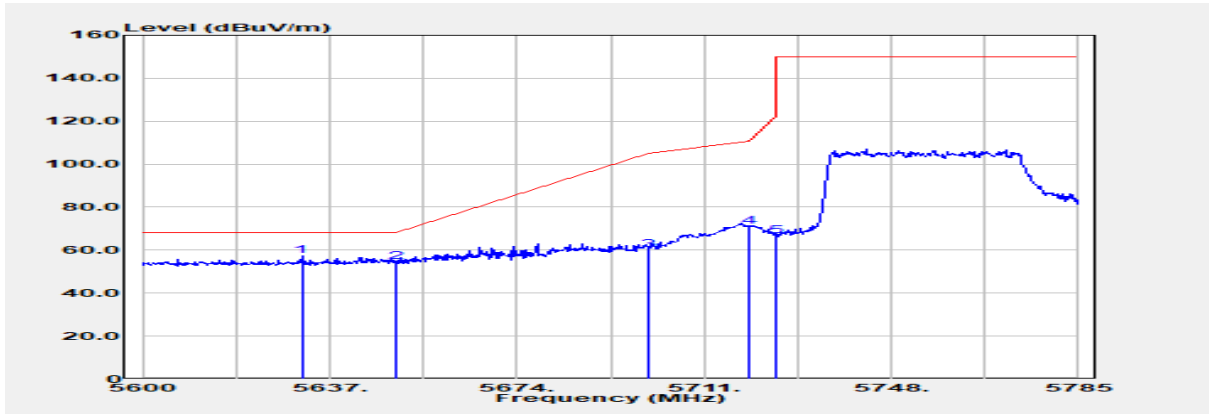
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5638.295	Peak	40.63	14.52	55.15	68.20	-13.05
5650.000	Peak	38.46	14.51	52.96	68.20	-15.24
5700.000	Peak	42.39	14.19	56.59	105.20	-48.61
5720.000	Peak	46.27	14.35	60.62	110.80	-50.18
5725.000	Peak	43.04	14.39	57.43	122.20	-64.77

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Report Number :TERF2211002514E2
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/65
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



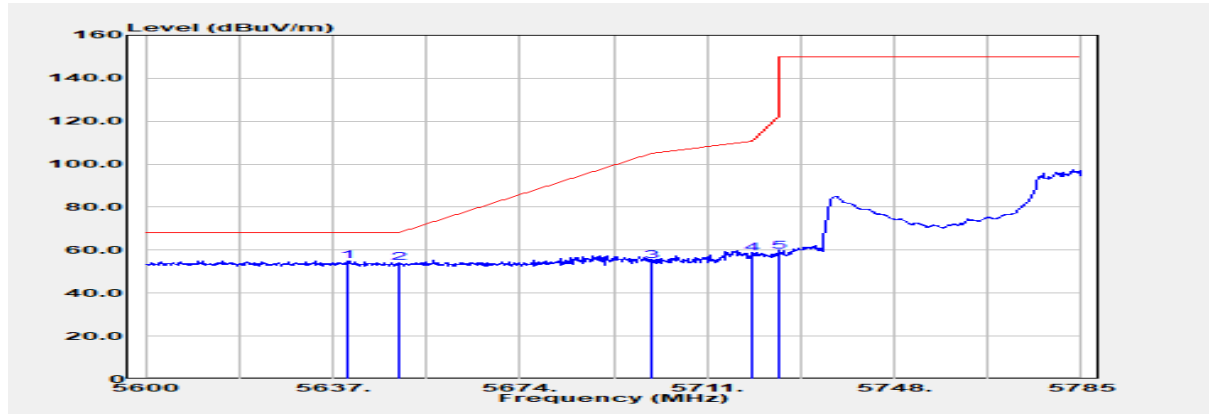
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5631.450	Peak	42.85	14.53	57.38	68.20	-10.82
5650.000	Peak	40.23	14.51	54.73	68.20	-13.47
5700.000	Peak	46.04	14.19	60.23	105.20	-44.97
5720.000	Peak	56.59	14.35	70.95	110.80	-39.85
5725.000	Peak	52.24	14.39	66.63	122.20	-55.57

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 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/66
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5639.775	Peak	40.52	14.52	55.04	68.20	-13.16
5650.000	Peak	39.73	14.51	54.24	68.20	-13.96
5700.000	Peak	40.66	14.19	54.85	105.20	-50.35
5720.000	Peak	44.07	14.35	58.43	110.80	-52.37
5725.000	Peak	44.97	14.39	59.36	122.20	-62.84

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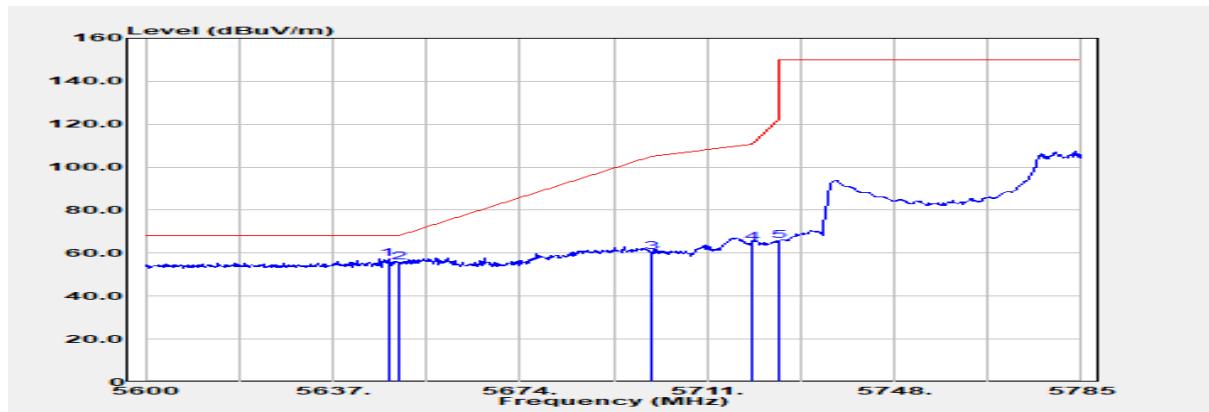
Temp./Humi. :23.5/65

Test Mode :Bandedge RU 484/66

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5647.915	Peak	42.91	14.51	57.42	68.20	-10.78
5650.000	Peak	41.30	14.51	55.80	68.20	-12.40
5700.000	Peak	46.51	14.19	60.70	105.20	-44.50
5720.000	Peak	50.54	14.35	64.89	110.80	-45.91
5725.000	Peak	51.42	14.39	65.82	122.20	-56.38

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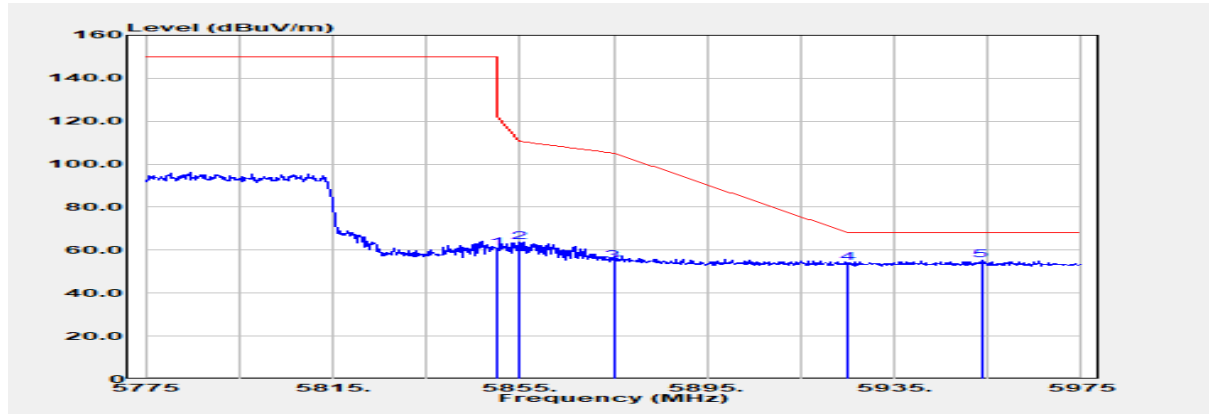
Temp./Humi. :23.5/65

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	46.10	14.90	61.00	122.20	-61.20
5855.000	Peak	49.05	14.90	63.96	110.80	-46.84
5875.000	Peak	39.86	14.93	54.78	105.20	-50.42
5925.000	Peak	39.10	15.08	54.17	68.20	-14.03
5953.600	Peak	40.19	15.19	55.38	68.20	-12.82

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Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-09

Test Frequency :5775 MHz

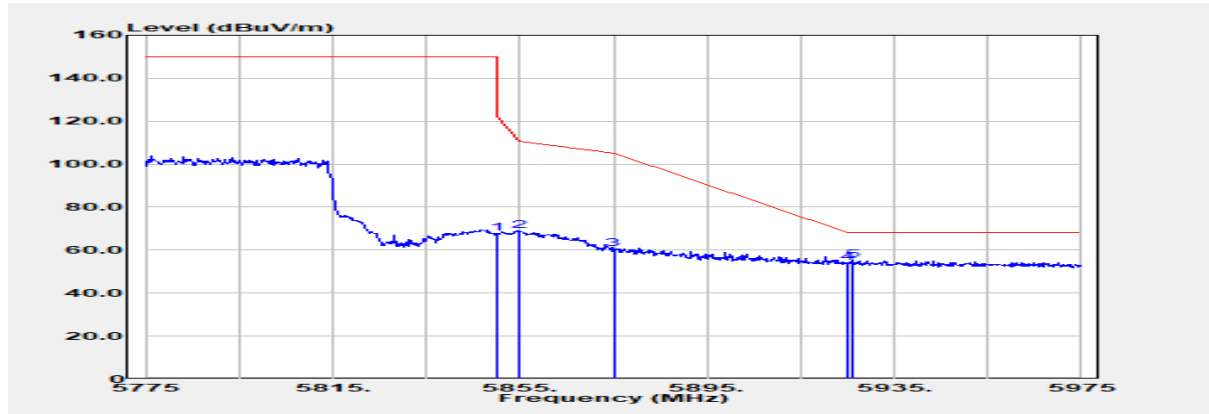
Temp./Humi. :23.5/65

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	52.88	14.90	67.78	122.20	-54.42
5855.000	Peak	54.02	14.90	68.92	110.80	-41.88
5875.000	Peak	45.68	14.93	60.61	105.20	-44.59
5925.000	Peak	38.86	15.08	53.94	68.20	-14.26
5926.000	Peak	40.22	15.08	55.30	68.20	-12.90

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Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-07

Test Frequency :5775 MHz

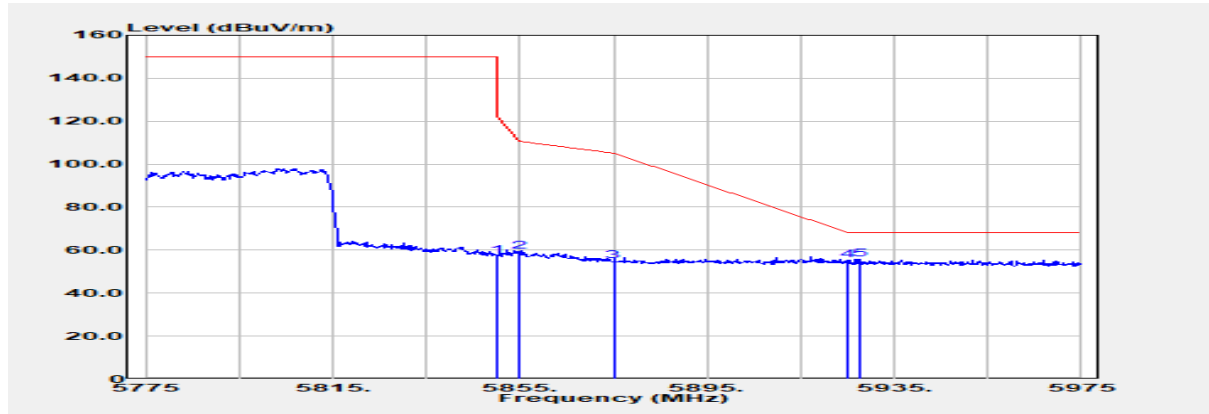
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



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
5850.000	Peak	42.41	14.90	57.31	122.20	-64.89
5855.000	Peak	44.43	14.90	59.34	110.80	-51.46
5875.000	Peak	39.92	14.93	54.84	105.20	-50.36
5925.000	Peak	40.36	15.08	55.44	68.20	-12.76
5927.800	Peak	40.56	15.09	55.65	68.20	-12.55

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Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-07

Test Frequency :5775 MHz

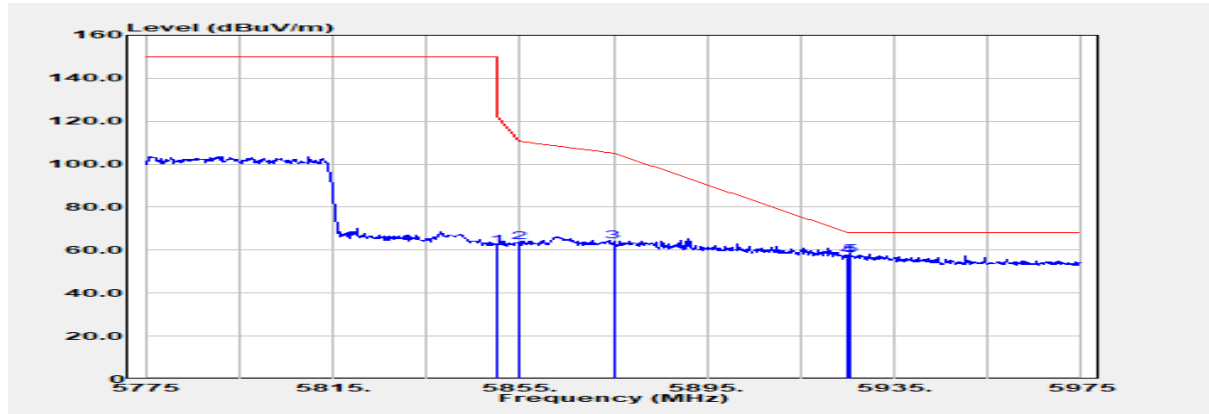
Temp./Humi. :26.0/60

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	47.11	14.90	62.00	122.20	-60.20
5855.000	Peak	48.67	14.90	63.57	110.80	-47.23
5875.000	Peak	49.07	14.93	64.00	105.20	-41.20
5925.000	Peak	42.31	15.08	57.39	68.20	-10.81
5925.600	Peak	42.73	15.08	57.81	68.20	-10.39

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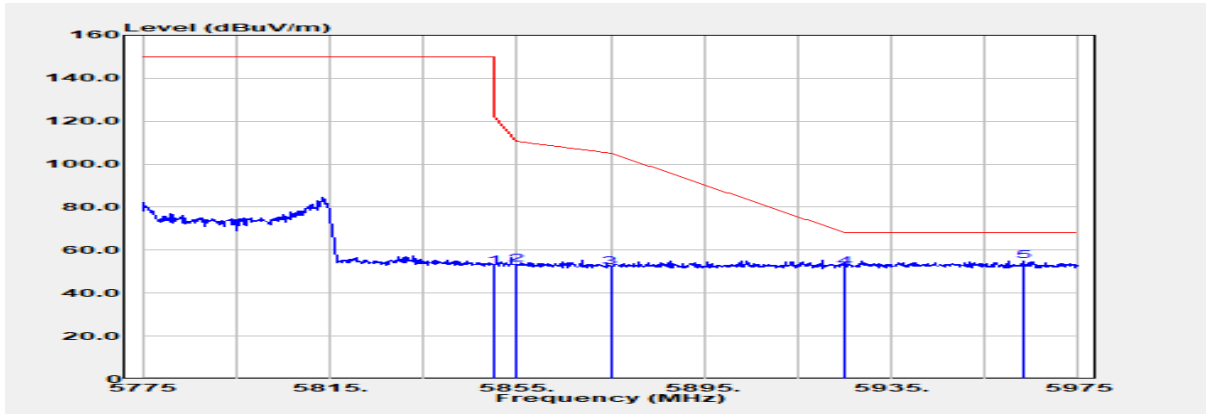
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2211002514E2
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/65
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Vertical
 Engineer :Andy Wang



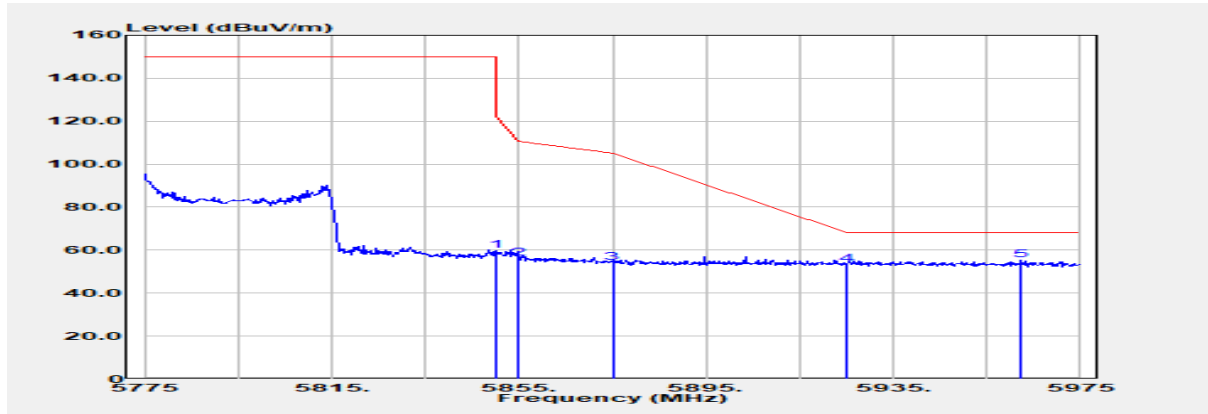
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	37.71	14.90	52.60	122.20	-69.60
5855.000	Peak	38.34	14.90	53.24	110.80	-57.56
5875.000	Peak	37.19	14.93	52.11	105.20	-53.09
5925.000	Peak	37.14	15.08	52.22	68.20	-15.98
5963.200	Peak	39.97	15.16	55.12	68.20	-13.08

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Report Number :TERF2211002514E2
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/65
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



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
5850.000	Peak	44.77	14.90	59.67	122.20	-62.53
5855.000	Peak	41.37	14.90	56.27	110.80	-54.53
5875.000	Peak	39.37	14.93	54.30	105.20	-50.90
5925.000	Peak	38.06	15.08	53.14	68.20	-15.06
5962.400	Peak	40.03	15.16	55.19	68.20	-13.01

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Report Number :TERF2211002514E2

Test Site :SAC C

Operation Mode :802.11ax80

Test Date :2023-02-09

Test Frequency :5775 MHz

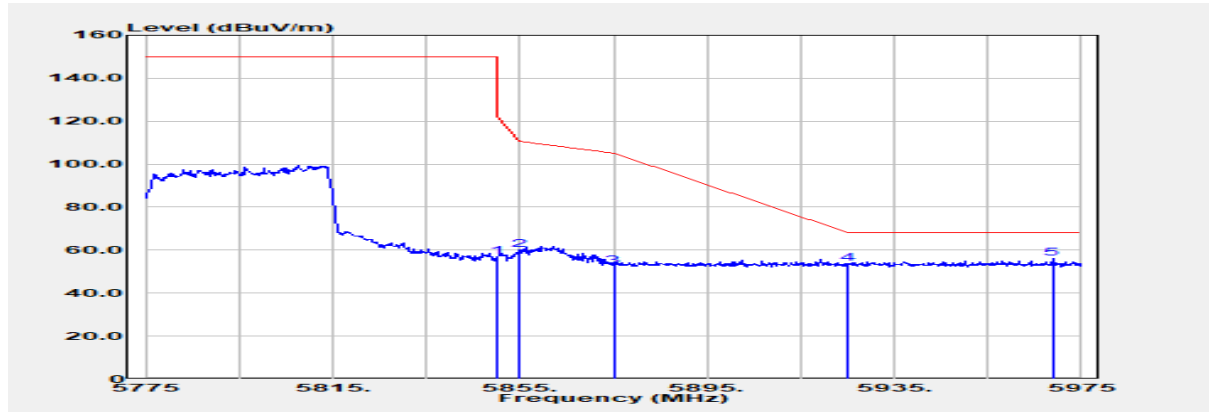
Temp./Humi. :23.5/65

Test Mode :Bandedge RU 484/66

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



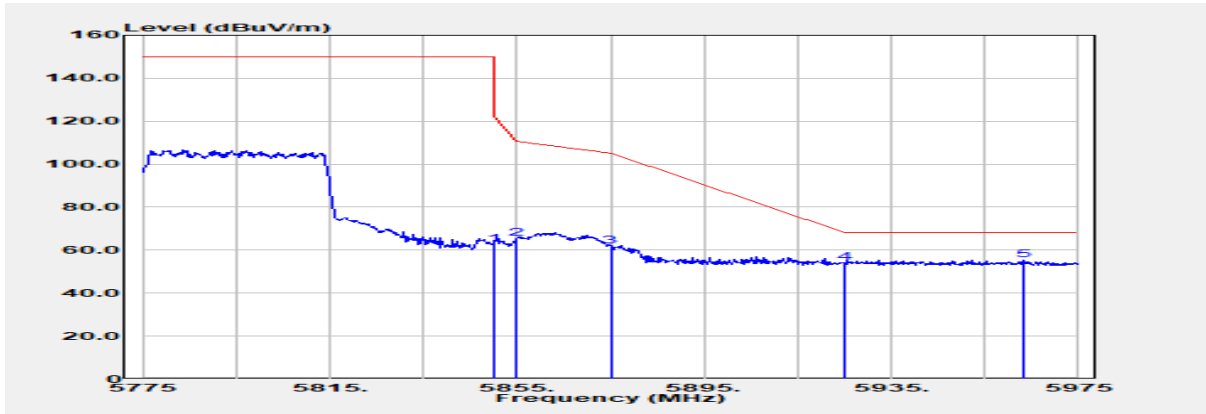
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	41.98	14.90	56.87	122.20	-65.33
5855.000	Peak	45.37	14.90	60.27	110.80	-50.53
5875.000	Peak	37.75	14.93	52.68	105.20	-52.52
5925.000	Peak	38.66	15.08	53.73	68.20	-14.47
5968.800	Peak	41.00	15.14	56.14	68.20	-12.06

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Report Number :TERF2211002514E2
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :Bandedge RU 484/66
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-02-09
 Temp./Humi. :23.5/65
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	47.72	14.90	62.62	122.20	-59.58
5855.000	Peak	50.39	14.90	65.29	110.80	-45.51
5875.000	Peak	46.99	14.93	61.92	105.20	-43.28
5925.000	Peak	39.15	15.08	54.22	68.20	-13.98
5963.400	Peak	40.24	15.16	55.40	68.20	-12.80

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c) & RSS-247 §6.4

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 complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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