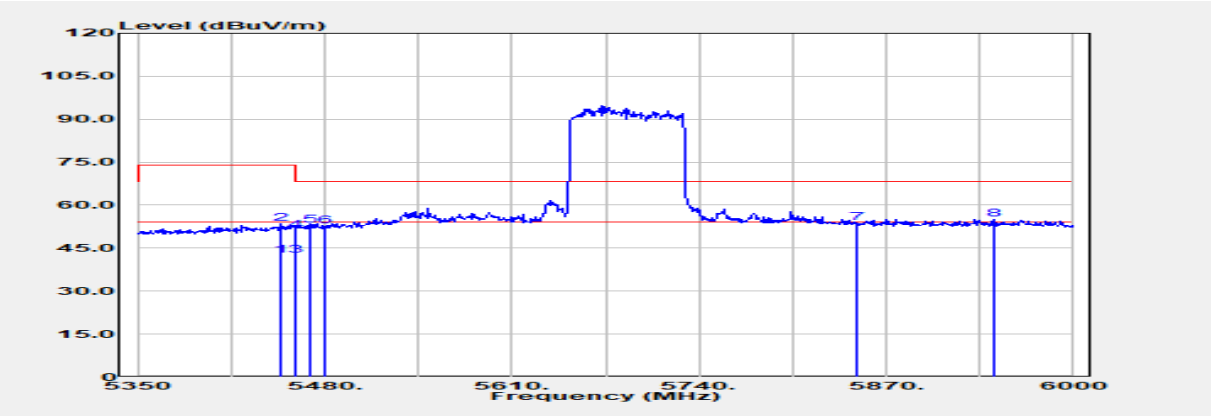
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5690 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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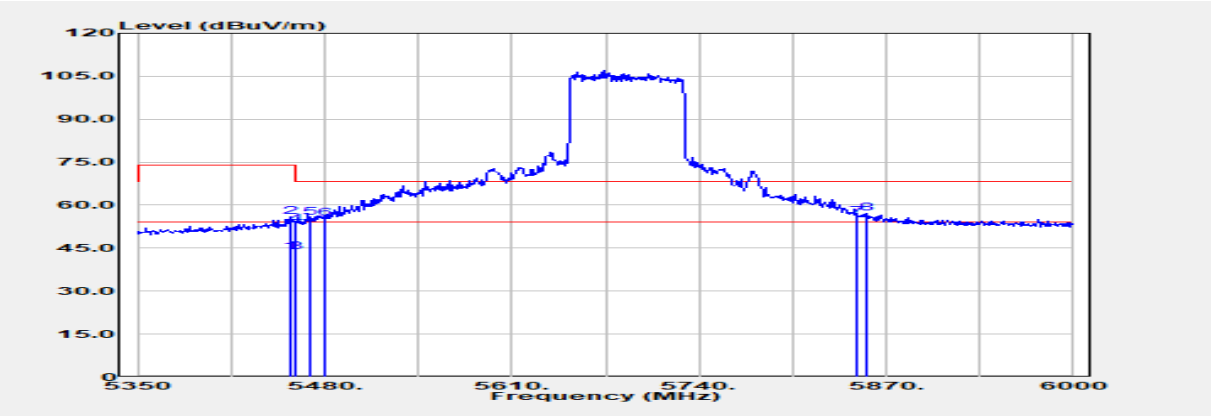
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5690 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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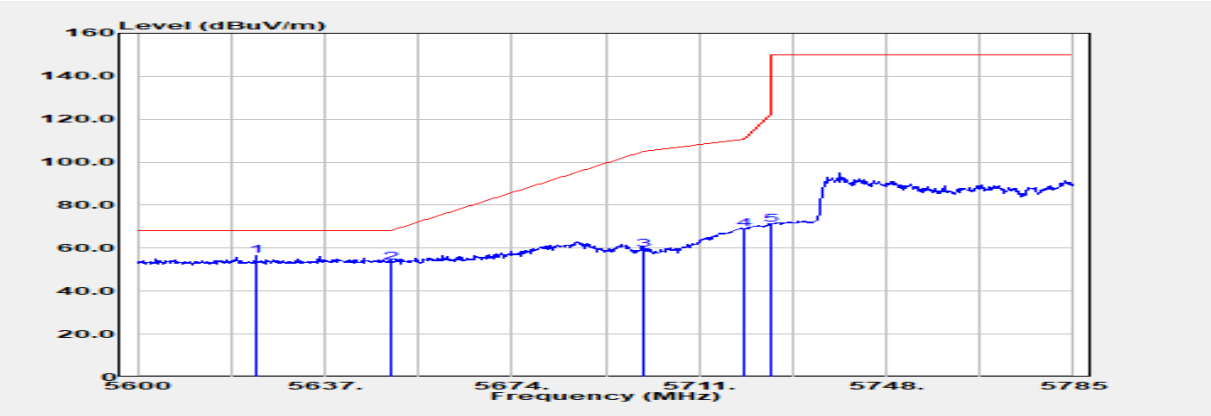
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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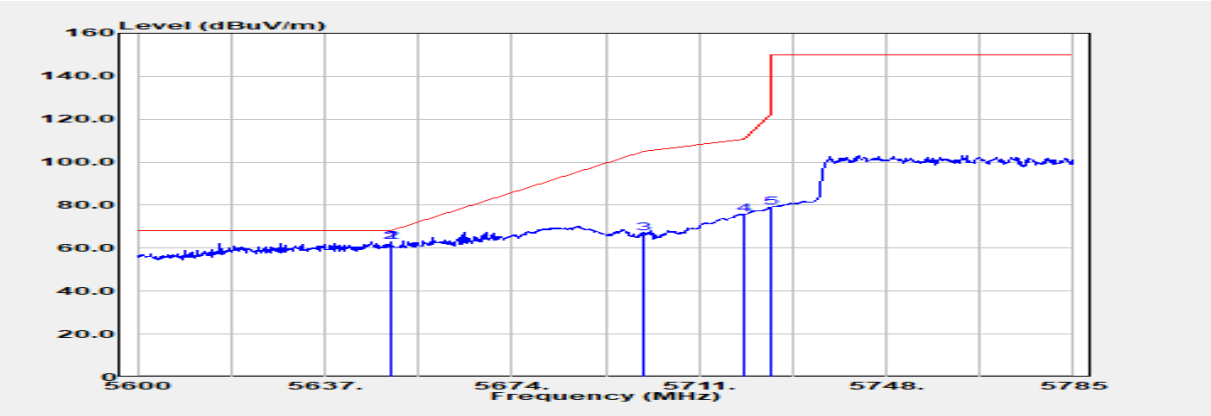
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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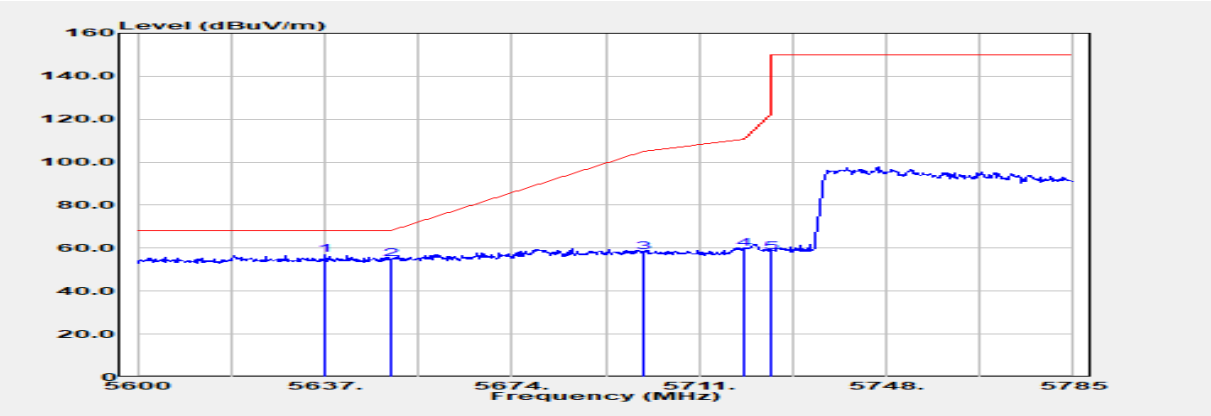
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5775 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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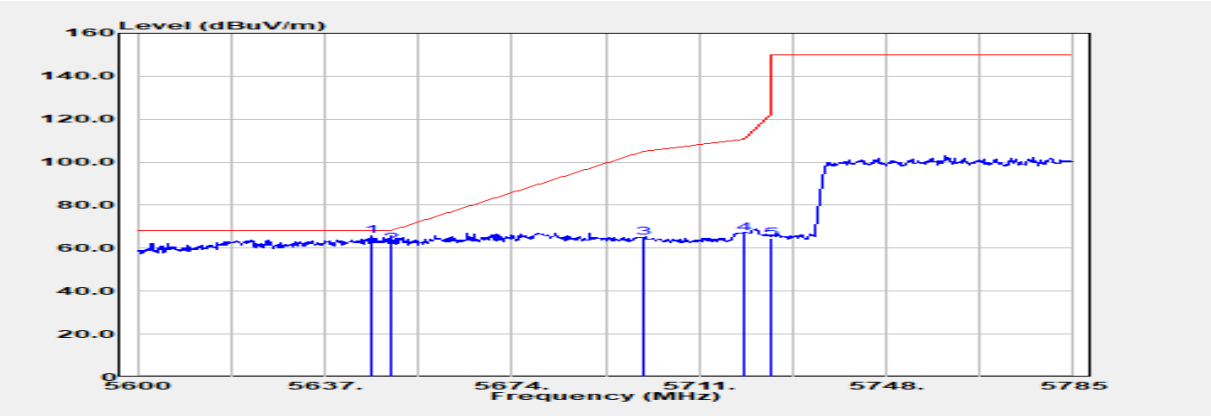
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5775 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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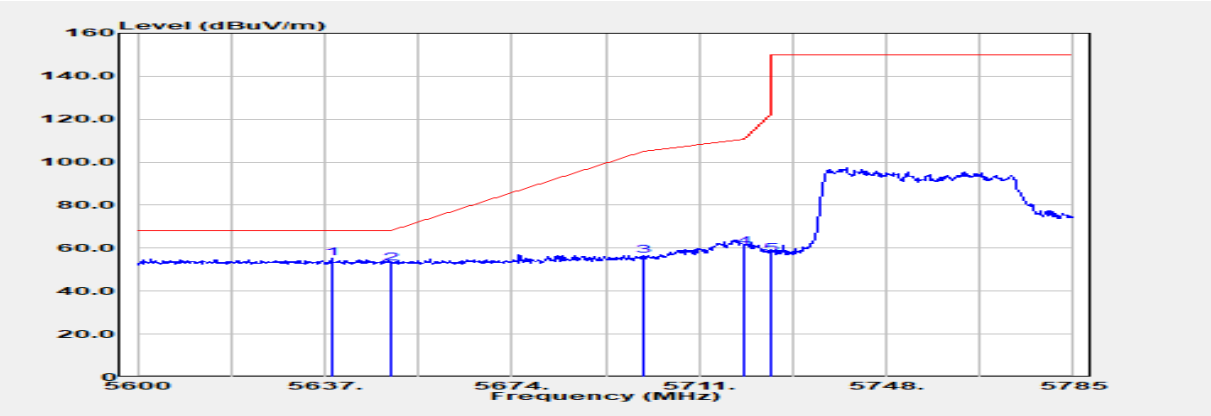
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/65	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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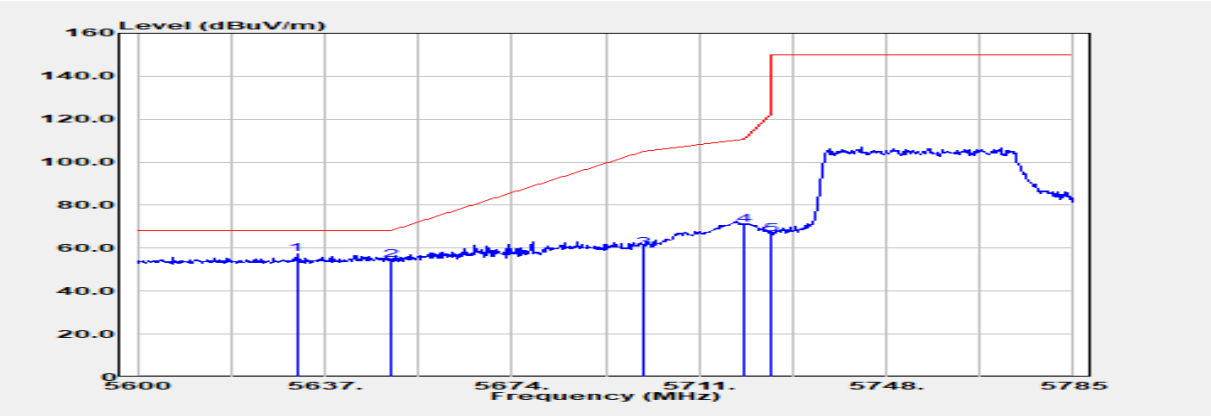
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/65	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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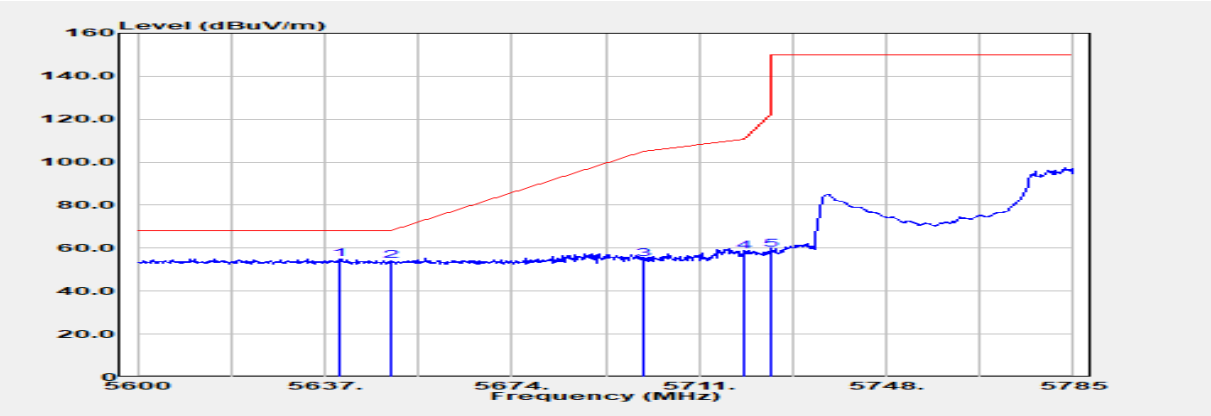
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/66	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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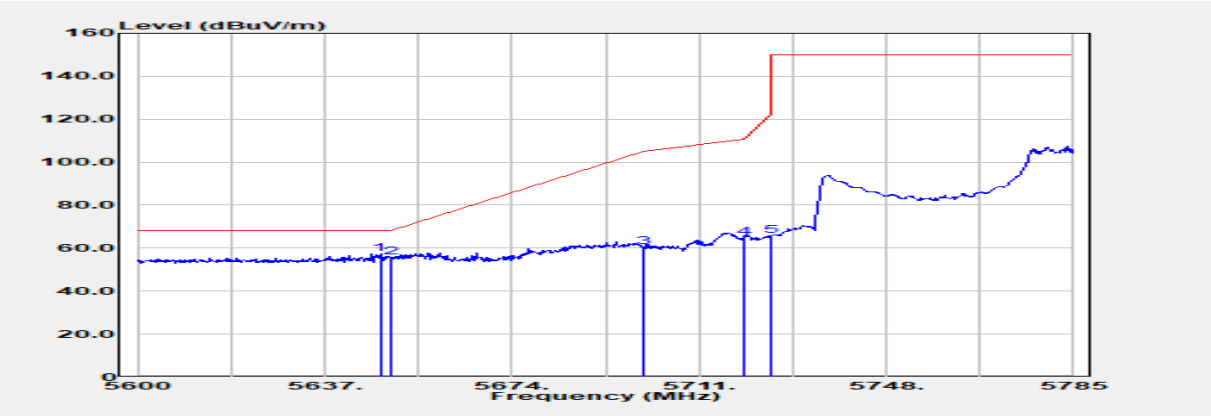
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/66	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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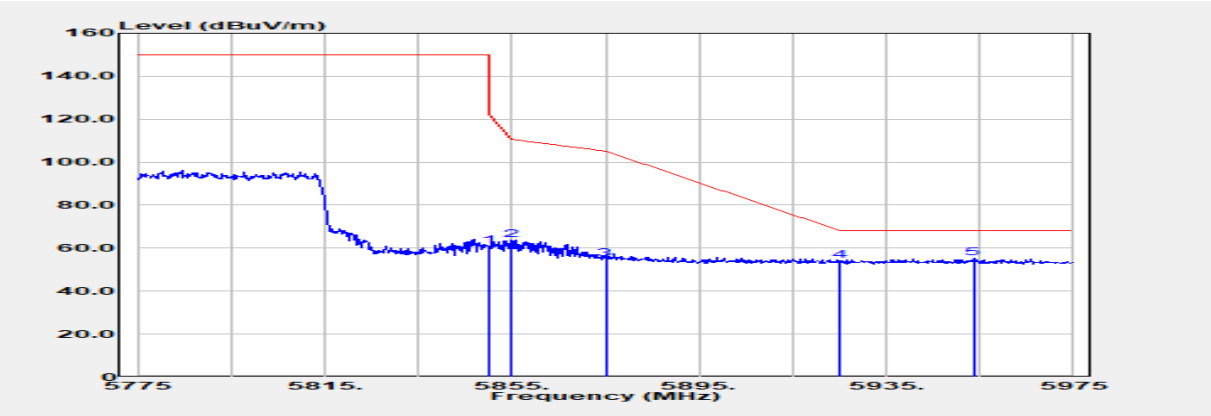
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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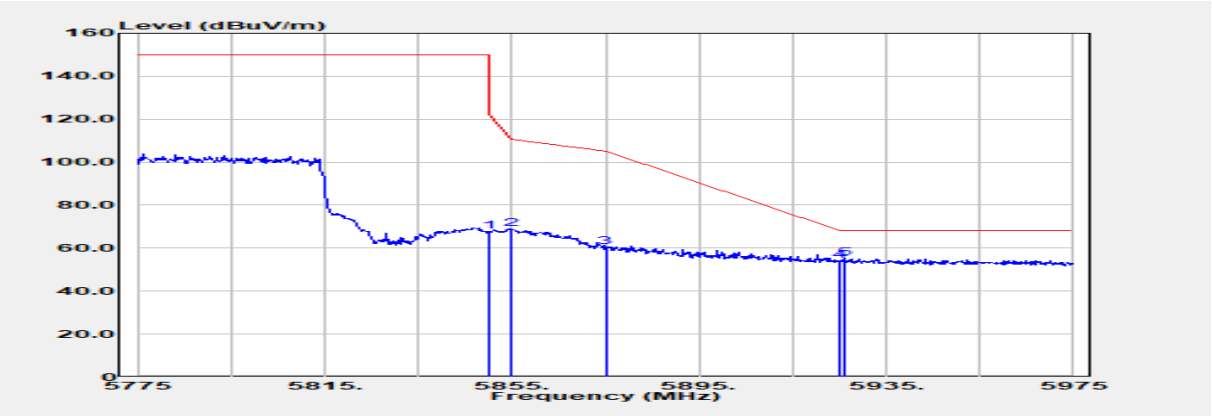
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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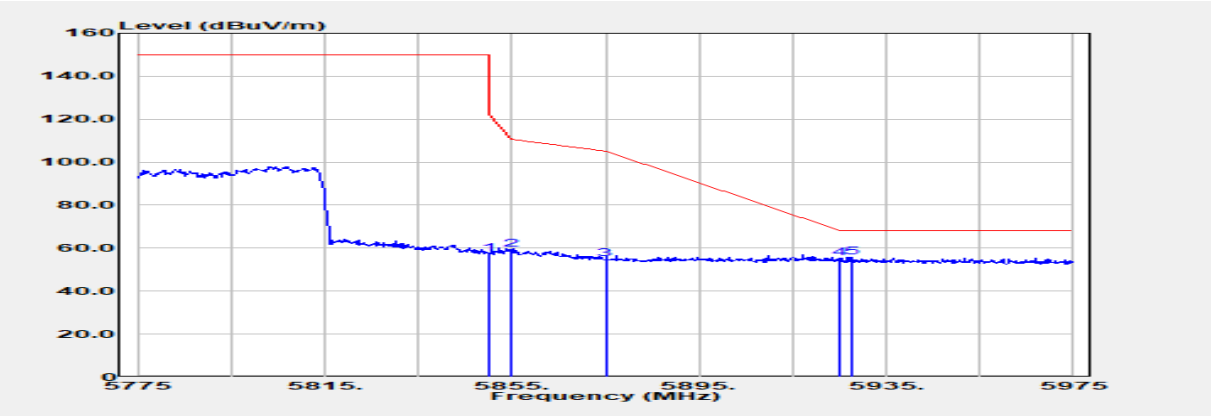
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5775 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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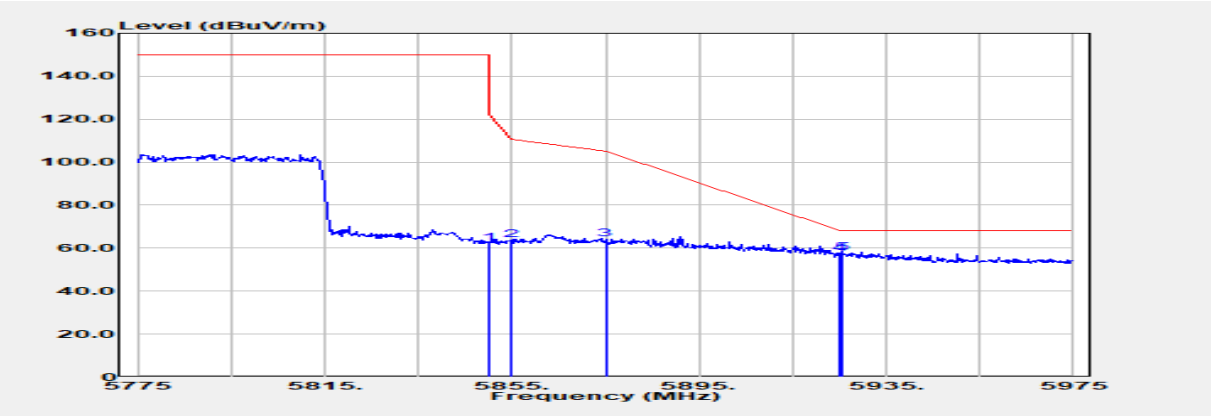
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-07
Test Frequency	:5775 MHz	Temp./Humi.	:26.0/60
Test Mode	:Bandedge SU	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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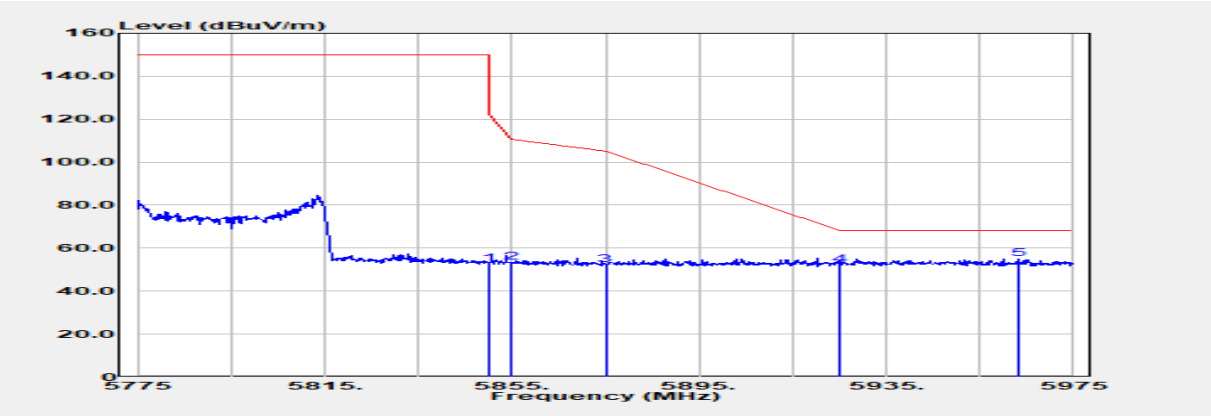
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/65	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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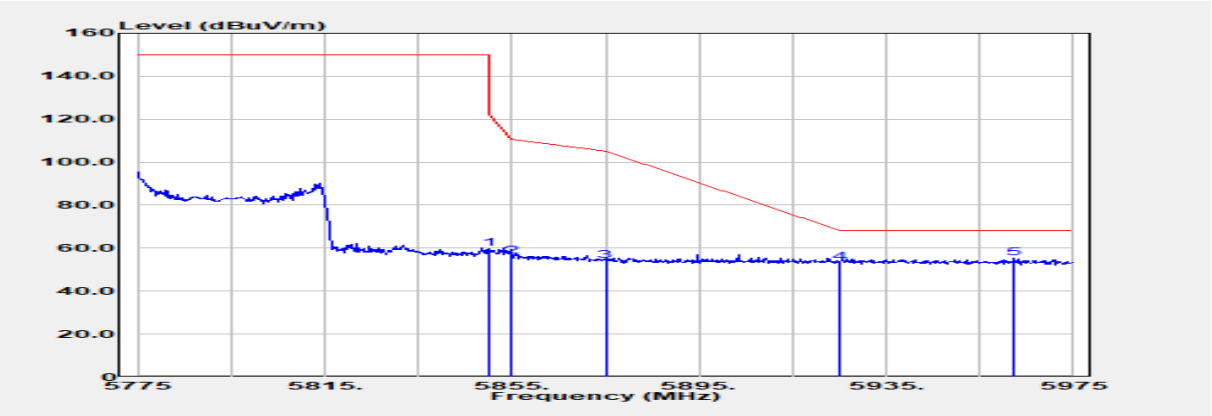
Report Number	:TERF2211002514E2	Test Site	:SAC C
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/65	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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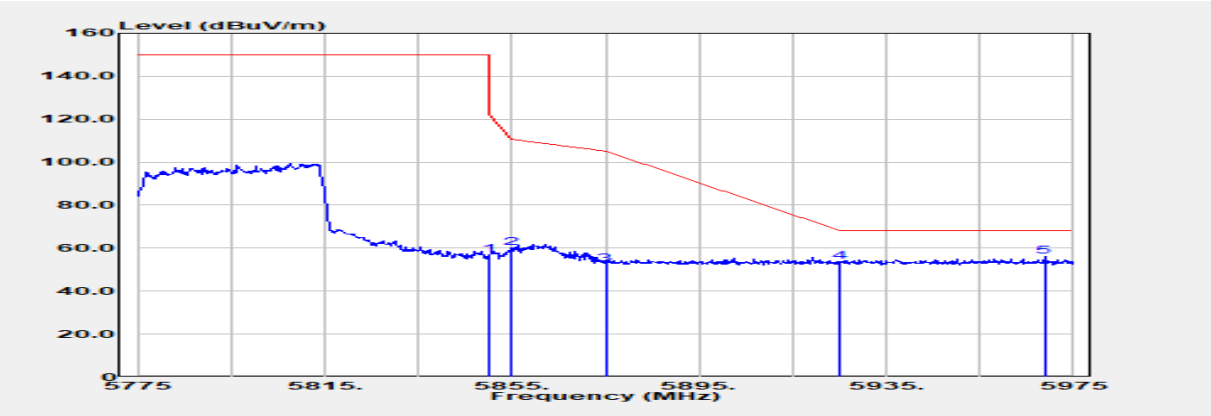
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/66	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Andy Wang



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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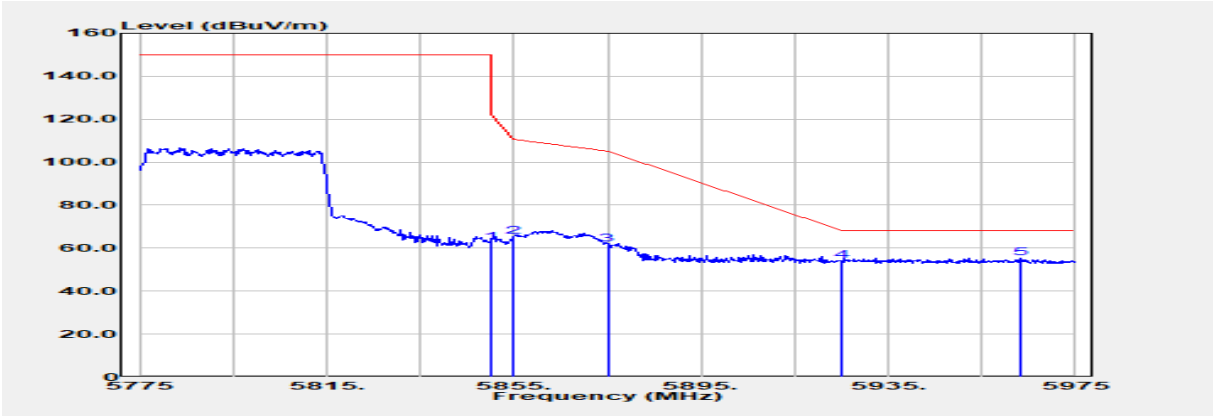
Operation Mode	:802.11ax80	Test Date	:2023-02-09
Test Frequency	:5775 MHz	Temp./Humi.	:23.5/65
Test Mode	:Bandedge RU 484/66	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Andy Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	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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