

9.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(ii) For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

RSS-247

Band 5.15-5.25 GHz

The maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband average power sensor. Gated average output power was read directly from power meter.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	Antenna 6 Antenna Gain (dBi)	Antenna 4 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	3.89	3.89	3.89	6.90
5.8	3.62	3.62	3.62	6.63

For 4 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	Antenn 6 Antenna Gain (dBi)	Antenna Antenna Gain (dBi)	Antenna Antenna Gain (dBi)	Antenna 1 Antenna Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	3.89	3.89	3.89	3.89	3.89	9.91
5.8	3.62	3.62	3.62	3.62	3.62	9.64

DIRECTIONAL GAIN CALCULATION

ANSI C63.10-2013 section 14.4.3

In the commonly occurring case of N_{ANT} transmit antennas, each with the same directional gain G_{ANT} dBi, being driven by N_{ANT} transmitter outputs of equal power, directional gain shall be computed as follows:

- a) If any transmit signals are correlated with each other:
 Directional gain = $G_{ANT} + 10 \log (N_{ANT})$ dBi
- b) If all transmit signals are completely uncorrelated with each other:
 Directional gain = G_{ANT}

Sample Calculation:

Ant1=3.89, Ant2=3.89, Ant3=3.89, Ant4=3.89

2Tx: Correlated Antenna gain=3.89 + 10log (2) =6.9 dBi
 4Tx: Correlated Antenna gain=3.89 + 10log (4) =9.91dBi

RESULT

9.5.1. 802.11ax HE20 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	RA 39005 and PV 27966
Test Date:	2023-05-09 to 2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	3.89	30.00	17.00
Mid	5200	3.89	30.00	17.00
High	5240	3.89	30.00	17.00

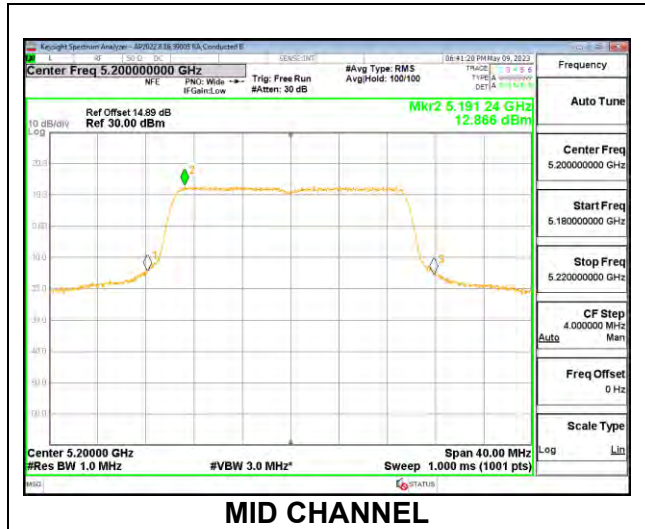
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	21.39	21.39	30.00	-8.61
Mid	5200	25.07	25.07	30.00	-4.93
High	5240	25.05	25.05	30.00	-4.95

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.234	9.23	17.00	-7.77
Mid	5200	12.866	12.87	17.00	-4.13
High	5240	13.197	13.20	17.00	-3.80



1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756 and SI 23522
Test Date:	2023-05-26 to 2023-06-09

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.100
Mid	5200	19.084
High	5240	19.177

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.81	10.00
Mid	5200	22.81	10.00
High	5240	22.83	10.00

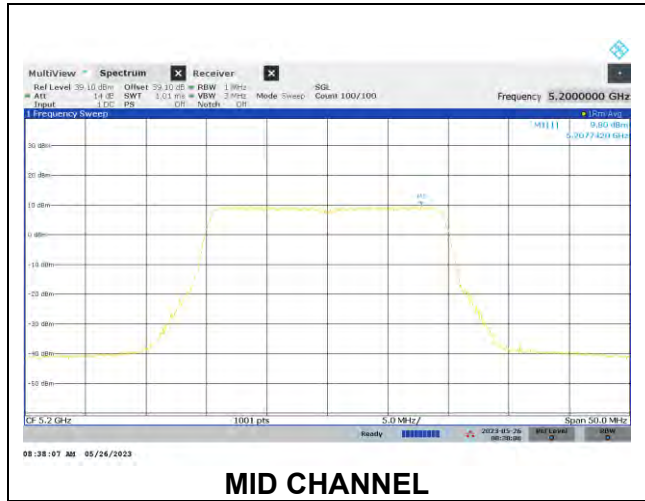
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	21.89	21.89	22.81	-0.92
Mid	5200	22.12	22.12	22.81	-0.69
High	5240	21.89	21.89	22.83	-0.94

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.92	9.92	10.00	-0.08
Mid	5200	9.80	9.80	10.00	-0.20
High	5240	9.79	9.79	10.00	-0.21



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	DC 23653 and PV 27966
Test Date:	2023-05-11 to 2023-07-31

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	3.89	6.90	30.00	16.10
Mid	5200	3.89	6.90	30.00	16.10
High	5240	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

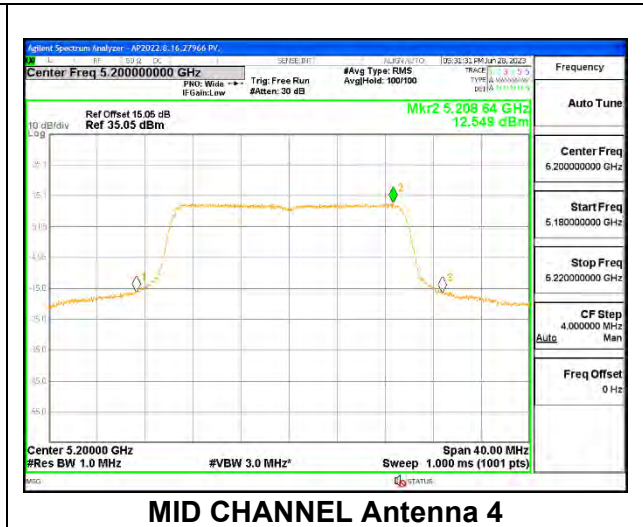
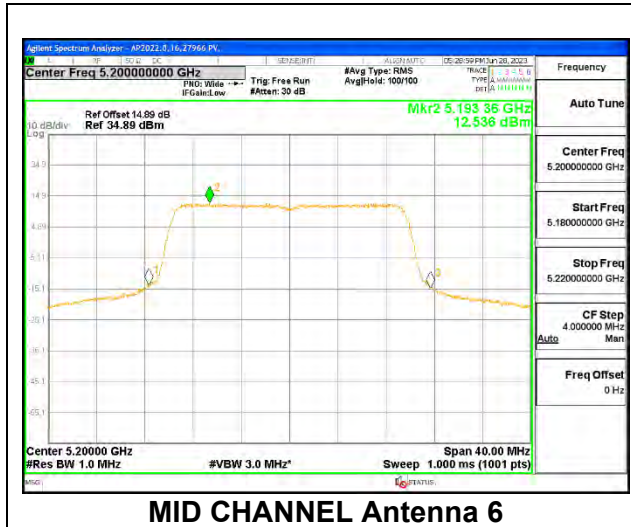
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	22.01	21.86	24.95	30.00	-5.05
Mid	5200	25.31	25.32	28.33	30.00	-1.67
High	5240	24.72	25.09	27.92	30.00	-2.08

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.396	9.406	12.41	16.10	-3.69
Mid	5200	12.536	12.549	15.55	16.10	-0.55
High	5240	12.357	12.646	15.51	16.10	-0.59

MID CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-25

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.084
Mid	5200	19.104
High	5240	19.067

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.81	10.00
Mid	5200	22.81	10.00
High	5240	22.80	10.00

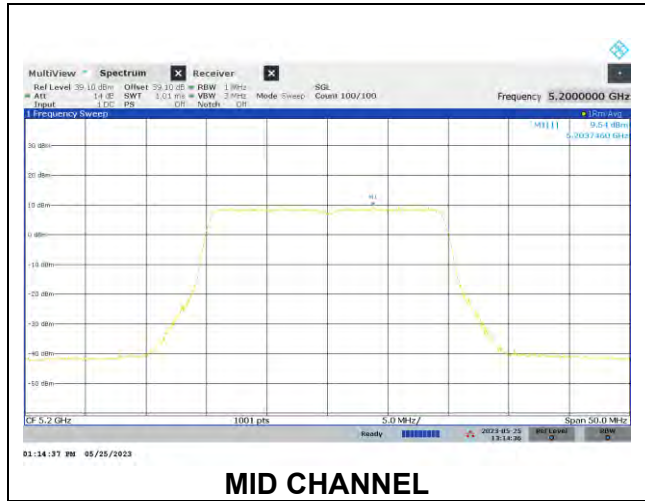
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	21.77	21.77	22.81	-1.04
Mid	5200	21.75	21.75	22.81	-1.06
High	5240	22.11	22.11	22.80	-0.69

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.65	9.65	10.00	-0.35
Mid	5200	9.54	9.54	10.00	-0.46
High	5240	9.90	9.90	10.00	-0.10



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	PV27966
Test Date:	2023-05-11 to 2023-06-28

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	3.89	9.91	30.00	13.09
Mid	5200	3.89	9.91	30.00	13.09
High	5240	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

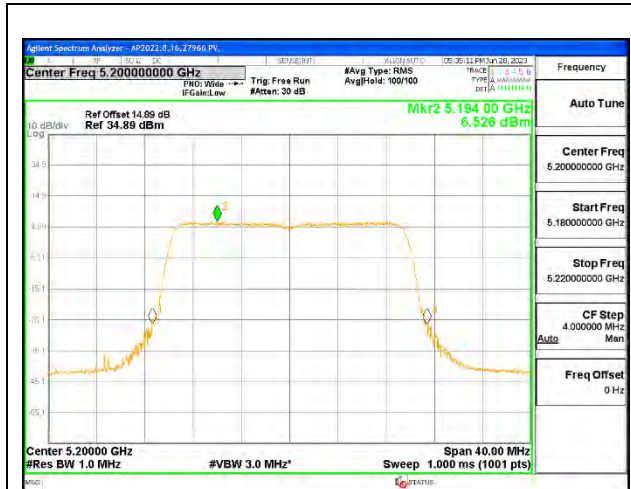
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.95	17.21	16.66	17.07	23.00	30.00	-7.00
Mid	5200	18.99	19.11	18.63	19.31	25.04	30.00	-4.96
High	5240	18.67	18.73	18.30	18.75	24.64	30.00	-5.36

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	4.583	4.647	4.337	4.616	10.57	13.09	-2.52
Mid	5200	6.526	6.753	5.929	6.648	12.50	13.09	-0.59
High	5240	6.586	6.596	5.910	7.275	12.64	13.09	-0.45

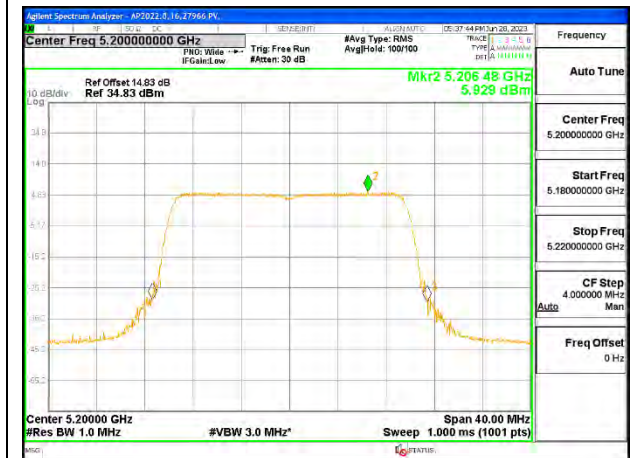
MID CHANNEL



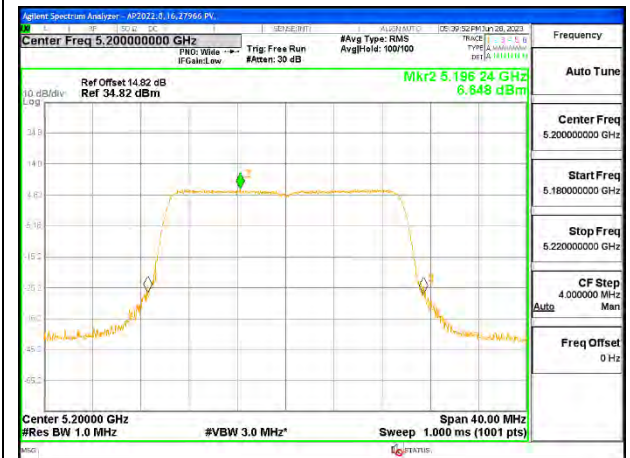
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-25

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.031
Mid	5200	19.018
High	5240	19.036

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/1MHz)
Low	5180	22.79	10.00
Mid	5200	22.79	10.00
High	5240	22.80	10.00

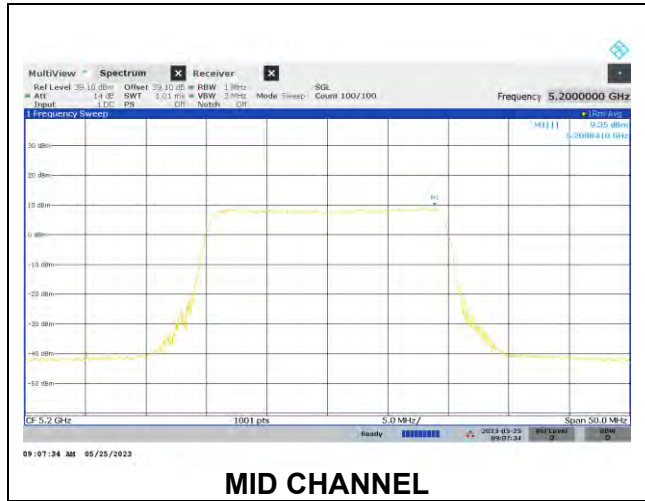
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	22.50	22.50	22.79	-0.29
Mid	5200	22.48	22.48	22.79	-0.31
High	5240	21.87	21.87	22.80	-0.93

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit EIRP (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.88	9.88	10.00	-0.12
Mid	5200	9.35	9.35	10.00	-0.65
High	5240	9.53	9.53	10.00	-0.47



9.5.2. 802.11be EHT20 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-07 to 2023-06-12

	(MHz)	(dBi)	(dBm)	(dBm/1MHz)
Low	5180	3.89	30.00	17.00
Mid	5200	3.89	30.00	17.00
High	5240	3.89	30.00	17.00

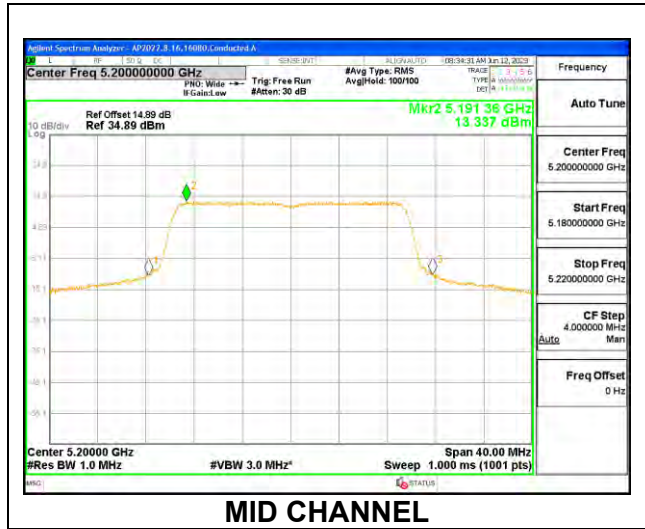
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	23.55	23.55	30.00	-6.45
Mid	5200	25.88	25.88	30.00	-4.12
High	5240	26.32	26.32	30.00	-3.68

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	11.176	11.18	17.00	-5.82
Mid	5200	13.337	13.34	17.00	-3.66
High	5240	13.677	13.68	17.00	-3.32



1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-09

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.056
Mid	5200	19.094
High	5240	19.124

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.80	10.00
Mid	5200	22.81	10.00
High	5240	22.82	10.00

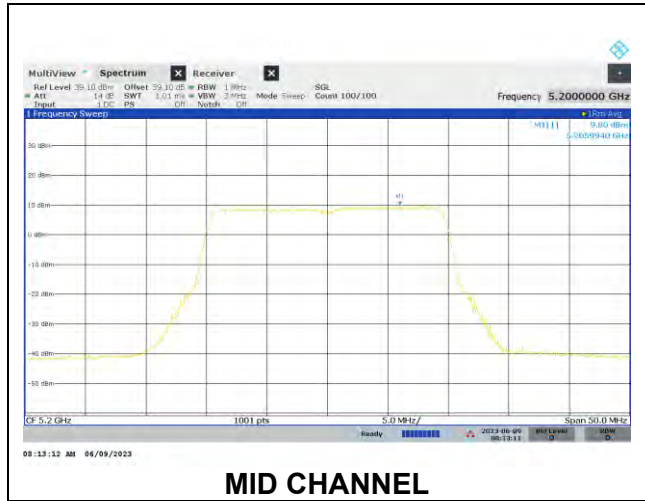
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	22.11	22.11	22.80	-0.69
Mid	5200	21.93	21.93	22.81	-0.88
High	5240	22.28	22.28	22.82	-0.54

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.66	9.66	10.00	-0.34
Mid	5200	9.80	9.80	10.00	-0.20
High	5240	9.87	9.87	10.00	-0.13



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	3.89	6.90	30.00	16.10
Mid	5200	3.89	6.90	30.00	16.10
High	5240	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

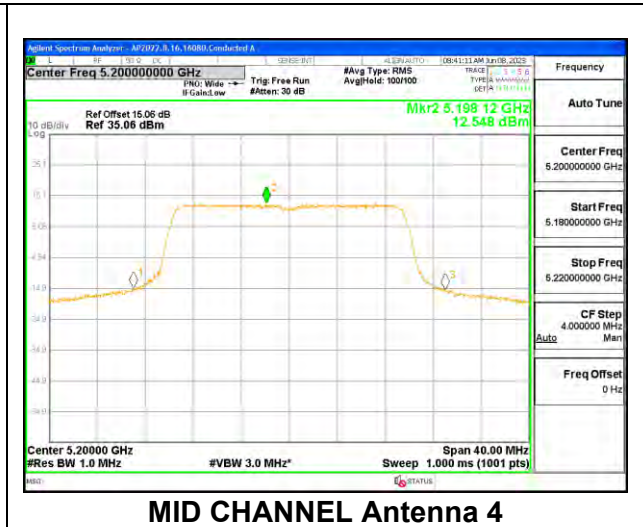
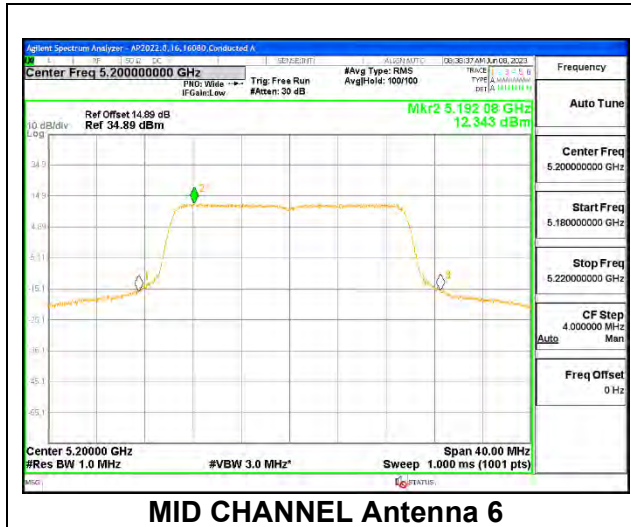
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.28	19.44	22.37	30.00	-7.63
Mid	5200	24.86	24.97	27.93	30.00	-2.07
High	5240	25.38	25.56	28.48	30.00	-1.52

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	6.578	6.697	9.65	16.10	-6.45
Mid	5200	12.343	12.548	15.46	16.10	-0.64
High	5240	12.995	12.993	16.00	16.10	-0.10

MID CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-01 to 2023-06-02

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.083
Mid	5200	19.150
High	5240	19.164

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5180	22.81	10.00
Mid	5200	22.82	10.00
High	5240	22.82	10.00

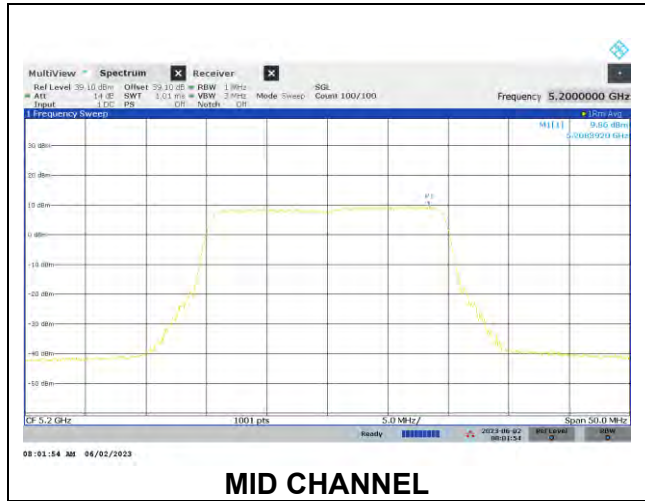
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	22.10	22.10	22.81	-0.71
Mid	5200	21.97	21.97	22.82	-0.85
High	5240	21.80	21.80	22.82	-1.02

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.82	9.82	10.00	-0.18
Mid	5200	9.86	9.86	10.00	-0.14
High	5240	9.42	9.42	10.00	-0.58



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC)

Test Engineer:	PV 27966, DC 23653
Test Date:	2023-06-06, 2023-08-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5180	3.89	9.91	30.00	13.09
Mid	5200	3.89	9.91	30.00	13.09
High	5240	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

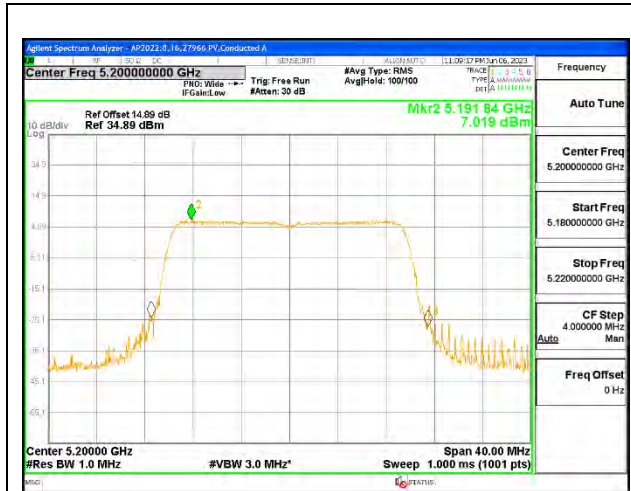
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.02	16.18	15.64	15.85	21.95	30.00	-8.05
Mid	5200	19.64	19.58	18.97	19.40	25.43	30.00	-4.57
High	5240	18.87	19.21	18.63	19.28	25.03	30.00	-4.97

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	3.502	3.820	3.074	3.398	9.48	13.09	-3.61
Mid	5200	7.019	7.105	6.335	7.009	12.90	13.09	-0.19
High	5240	6.602	6.723	6.193	6.567	12.55	13.09	-0.54

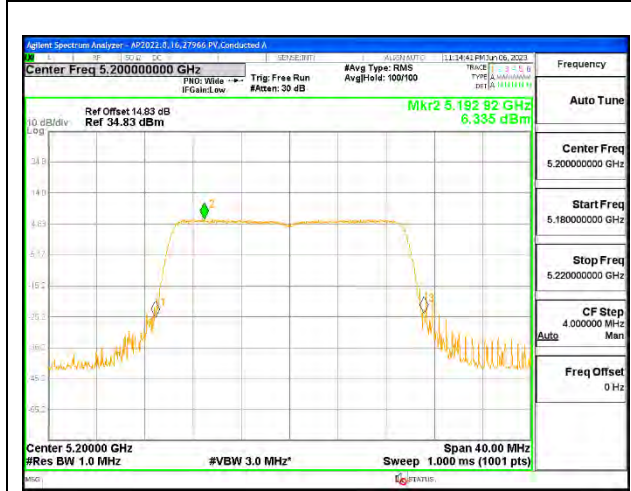
MID CHANNEL



MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (IC)

Test Engineer:	CW 20756, CN 28867
Test Date:	2023-06-01,2023-08-22

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5180	19.000
Mid	5200	19.025
High	5240	19.062

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/1MHz)
Low	5180	22.79	10.00
Mid	5200	22.79	10.00
High	5240	22.80	10.00

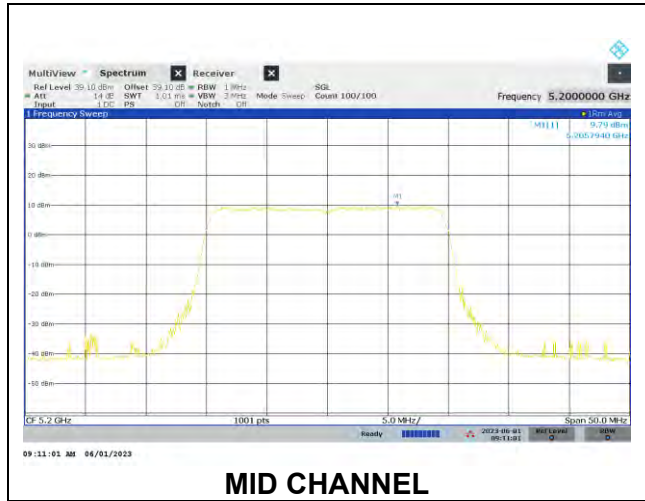
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5180	22.08	22.08	22.79	-0.71
Mid	5200	22.11	22.11	22.79	-0.68
High	5240	22.16	22.16	22.80	-0.64

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit EIRP (dBm/1MHz)	PSD Margin (dB)
Low	5180	9.42	9.42	10.00	-0.58
Mid	5200	9.79	9.79	10.00	-0.21
High	5240	9.89	9.89	10.00	-0.11



9.5.3. 802.11ax HE40 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	RA 39005 and PV 27966
Test Date:	2023-05-09 to 2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.89	30.00	17.00
High	5230	3.89	30.00	17.00

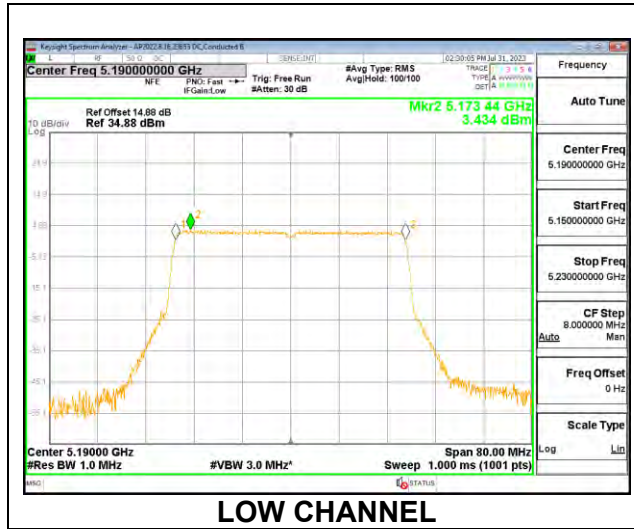
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	18.94	18.94	30.00	-11.06
High	5230	25.42	25.42	30.00	-4.58

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.434	3.43	17.00	-13.57
High	5230	10.424	10.42	17.00	-6.58



1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-26

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	38.092
High	5230	38.200

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

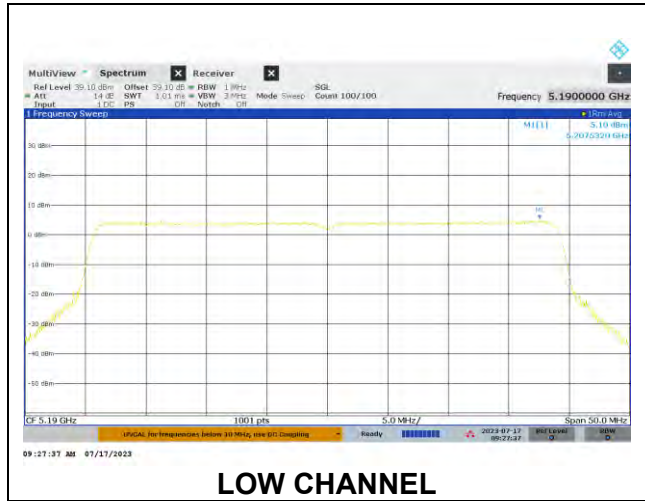
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	20.16	20.16	23.00	-2.84
High	5230	22.46	22.46	23.00	-0.54

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.10	5.10	10.00	-4.90
High	5230	7.15	7.15	10.00	-2.85



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	DC 23653 and PV 27966
Test Date:	2023-05-11 to 2023-07-31

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.89	6.90	30.00	16.10
High	5230	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

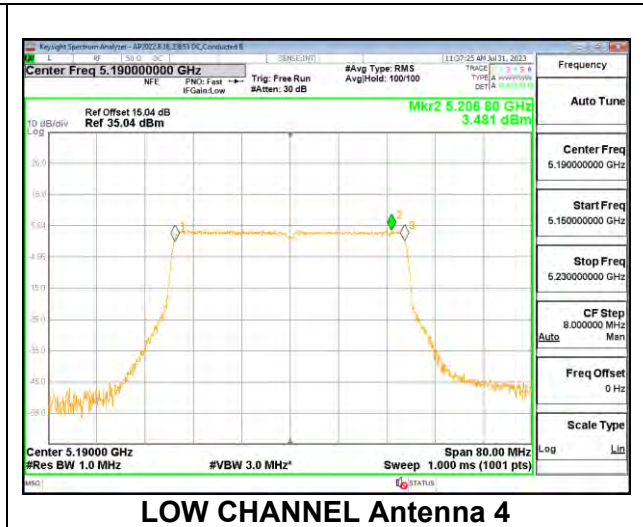
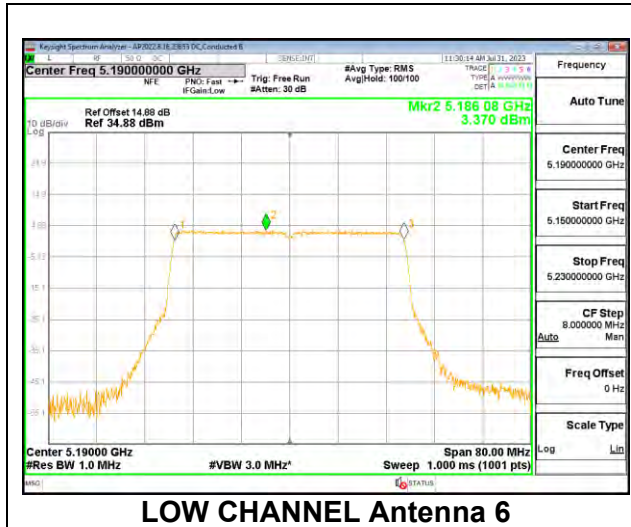
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	19.07	18.83	21.96	30.00	-8.04
High	5230	25.88	25.99	28.95	30.00	-1.05

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.370	3.481	6.44	16.10	-9.66
High	5230	11.258	11.202	14.24	16.10	-1.86

LOW CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-25

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	38.198
High	5230	38.348

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

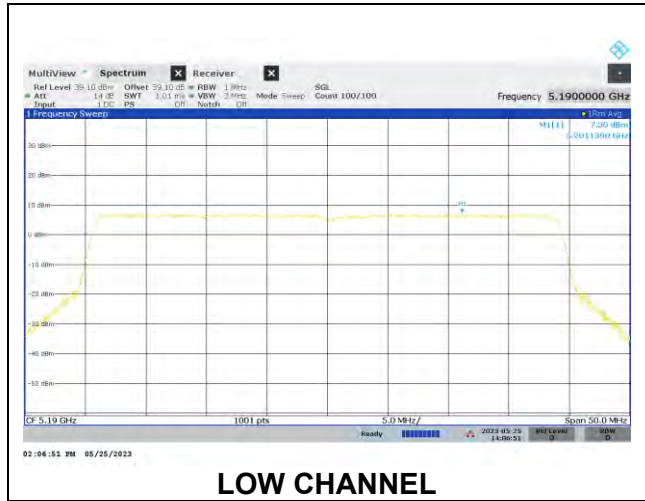
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	22.56	22.56	23.00	-0.44
High	5230	22.50	22.50	23.00	-0.50

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.30	7.30	10.00	-2.70
High	5230	7.55	7.55	10.00	-2.45



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	PV 27966
Test Date:	2023-05-11 to 2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	3.89	9.91	30.00	13.09
High	5230	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.02	16.22	16.08	15.98	22.10	30.00	-7.90
High	5230	21.57	21.60	21.28	22.03	27.65	30.00	-2.35

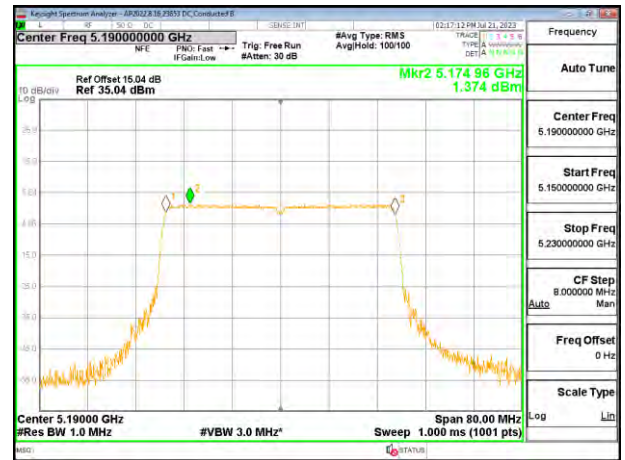
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	1.004	1.374	1.092	1.181	7.19	13.09	-5.90
High	5230	6.598	6.749	6.106	7.403	12.76	13.09	-0.33

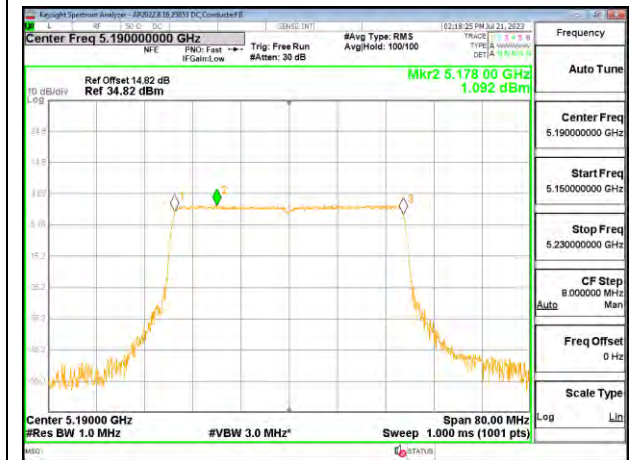
LOW CHANNEL



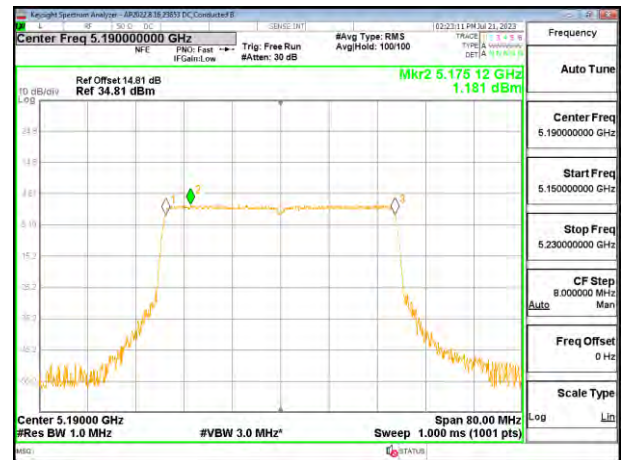
LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-25

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.914
High	5230	37.951

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

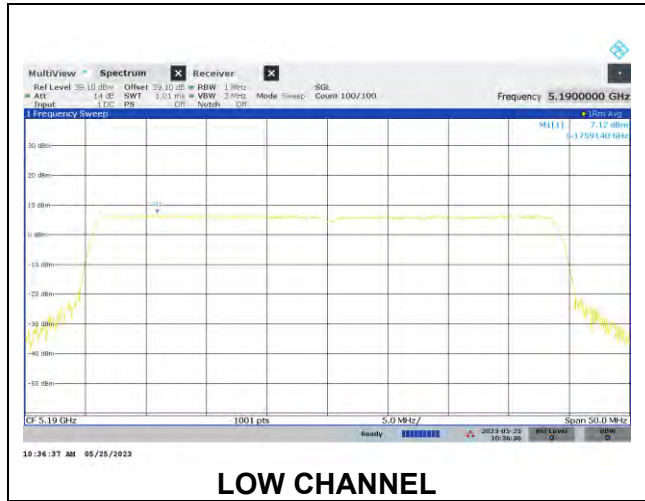
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	22.21	22.21	23.00	-0.79
High	5230	22.16	22.16	23.00	-0.84

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit EIRP (dBm/1MHz)	PSD Margin (dB)
Low	5190	7.12	7.12	10.00	-2.88
High	5230	7.13	7.13	10.00	-2.87



9.5.4. 802.11be EHT40 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-07 to 2023-06-12

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.89	30.00	17.00
High	5230	3.89	30.00	17.00

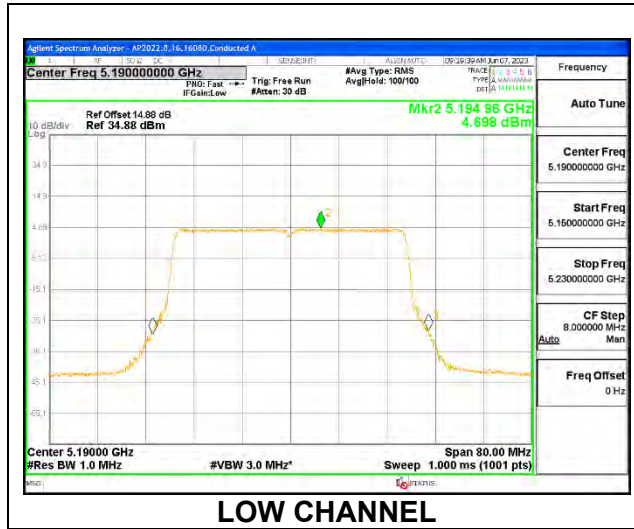
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	20.40	20.40	30.00	-9.60
High	5230	26.18	26.18	30.00	-3.82

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.698	4.70	17.00	-12.30
High	5230	10.634	10.63	17.00	-6.37



1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-09

(Note: IC PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.933
High	5230	38.009

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

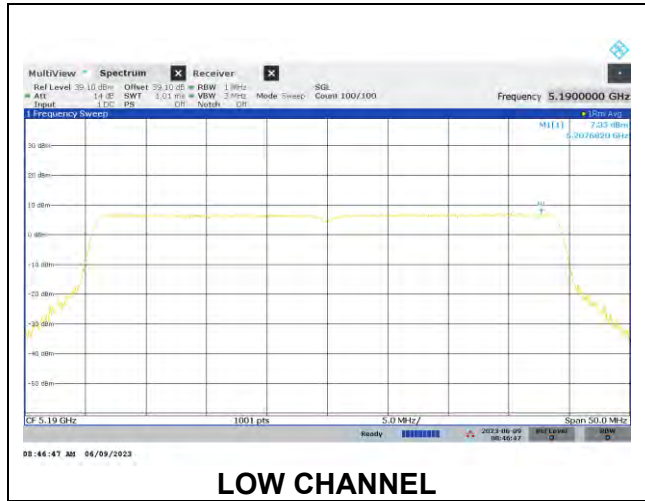
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	22.49	22.49	23.00	-0.51
High	5230	22.37	22.37	23.00	-0.63

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.33	7.33	10.00	-2.67
High	5230	7.65	7.65	10.00	-2.35



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.89	6.90	30.00	16.10
High	5230	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

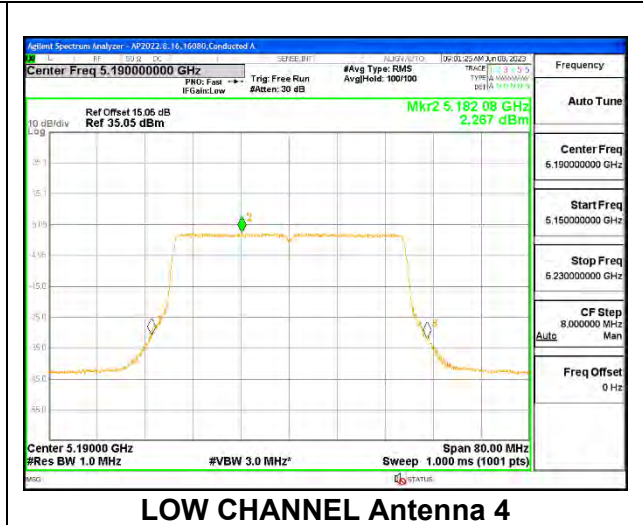
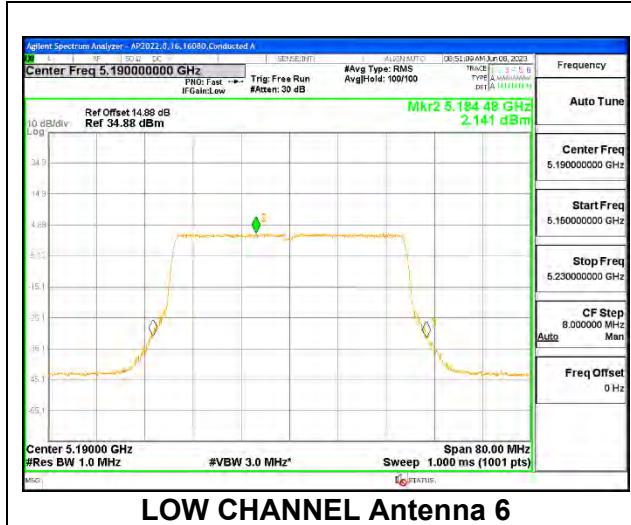
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	18.12	18.33	21.24	30.00	-8.76
High	5230	26.77	26.85	29.82	30.00	-0.18

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.141	2.267	5.21	16.10	-10.89
High	5230	10.734	10.816	13.79	16.10	-2.31

LOW CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-02

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.972
High	5230	38.567

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

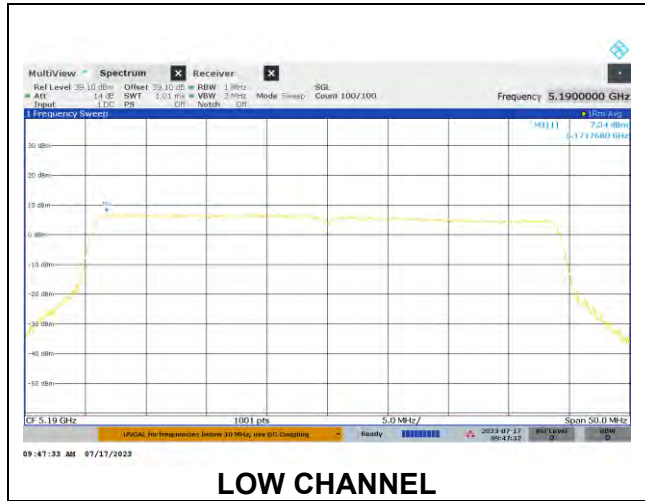
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	21.89	21.89	23.00	-1.11
High	5230	22.45	22.45	23.00	-0.55

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	7.34	7.34	10.00	-2.66
High	5230	7.14	7.14	10.00	-2.86



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC)

Test Engineer:	PV 27966, DC 23653
Test Date:	2023-06-07, 2023-08-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5190	3.89	9.91	30.00	13.09
High	5230	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

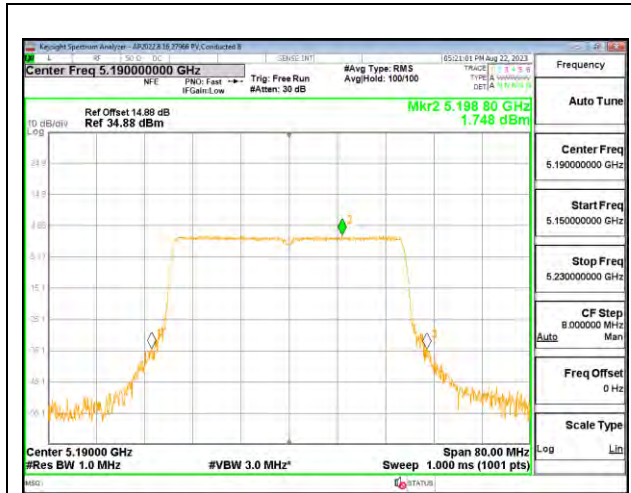
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.89	17.13	16.69	16.80	22.90	30.00	-7.10
High	5230	22.39	22.52	22.12	22.97	28.53	30.00	-1.47

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5190	1.748	1.796	1.237	1.816	7.68	13.09	-5.41
High	5230	6.734	7.017	6.286	7.149	12.83	13.09	-0.26

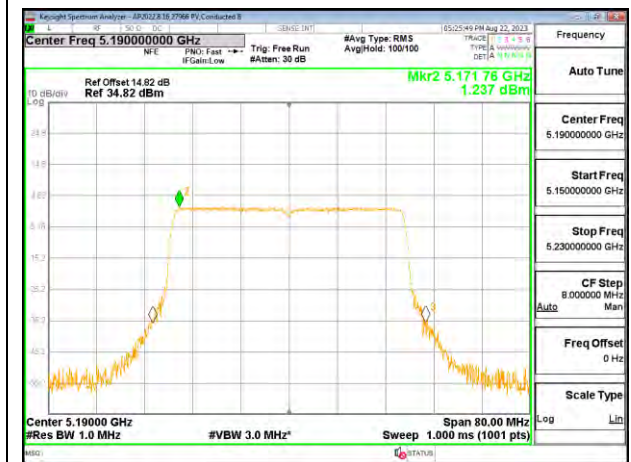
LOW CHANNEL



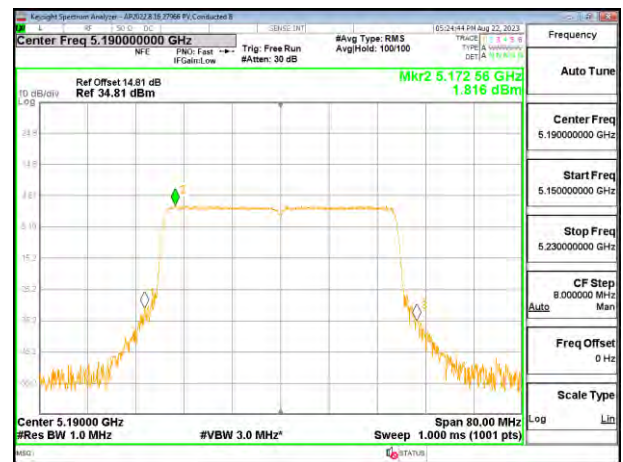
LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (IC)

Test Engineer:	CN 28867
Test Date:	2023-08-24

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Low	5190	37.976
High	5230	37.919

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED PSD Limit (dBm/1MHz)
Low	5190	23.00	10.00
High	5230	23.00	10.00

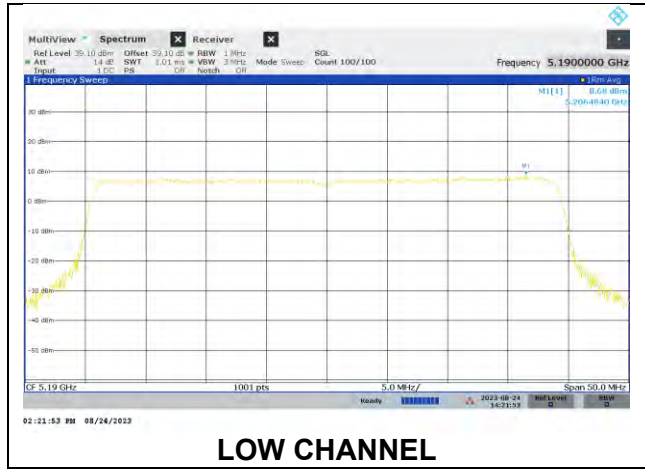
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Low	5190	22.89	22.89	23.00	-0.11
High	5230	22.57	22.57	23.00	-0.43

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit EIRP (dBm/1MHz)	PSD Margin (dB)
Low	5190	8.68	8.68	10.00	-1.32
High	5230	7.33	7.33	10.00	-2.67



9.5.5. 802.11ax HE80 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.89	30.00	17.00

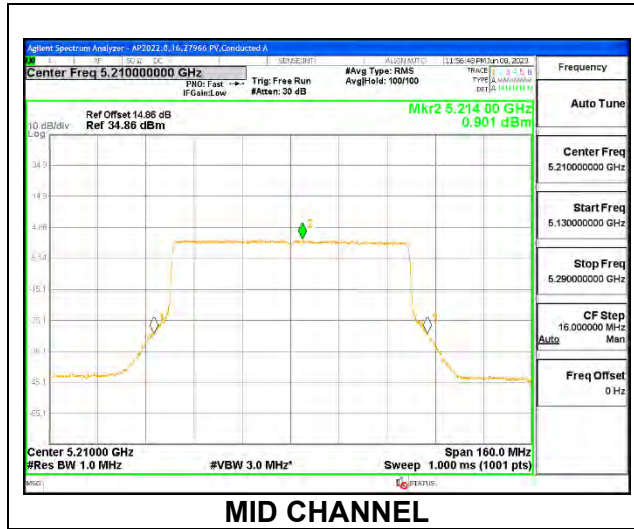
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	19.61	19.61	30.00	-10.39

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.901	0.90	17.00	-16.10



1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-26

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	77.803

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

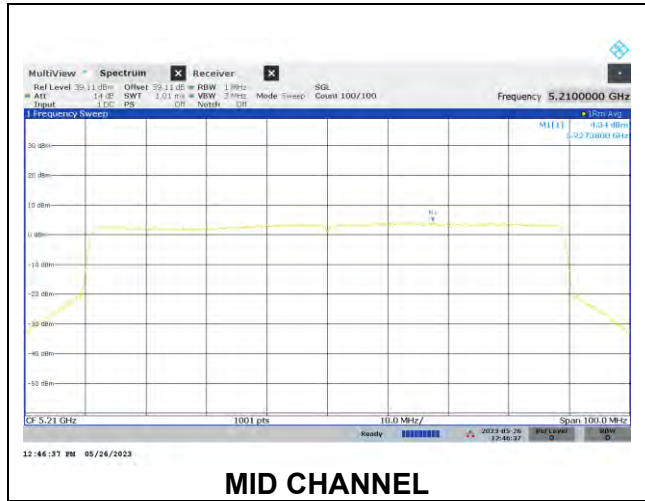
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	22.70	22.70	23.00	-0.30

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.34	4.34	10.00	-5.66



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

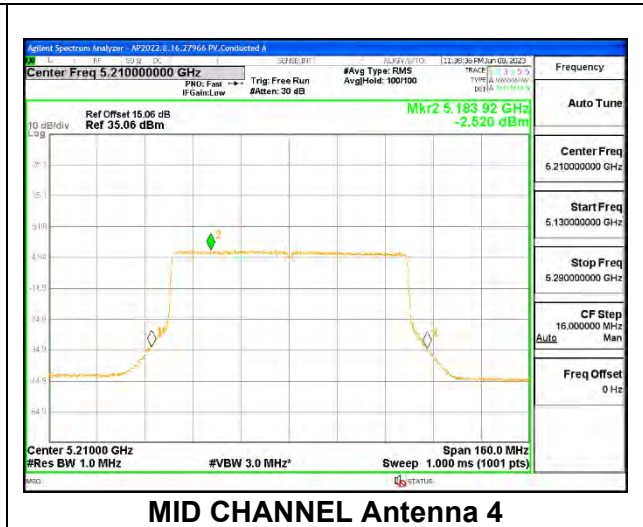
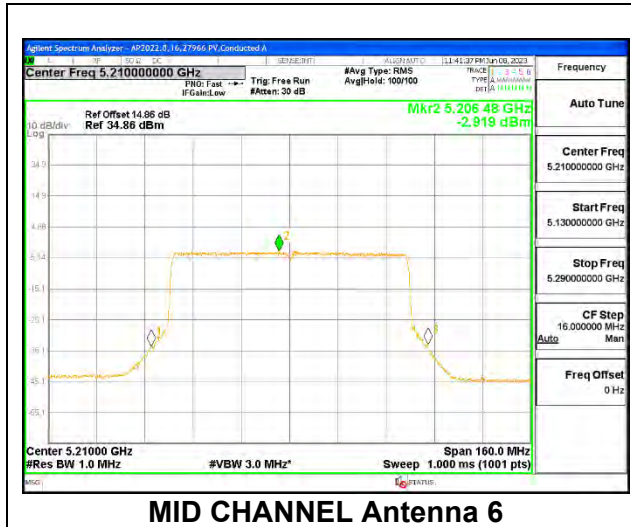
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.16	16.41	19.30	30.00	-10.70

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-2.919	-2.520	0.30	16.10	-15.80

MID CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-26

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	78.023

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

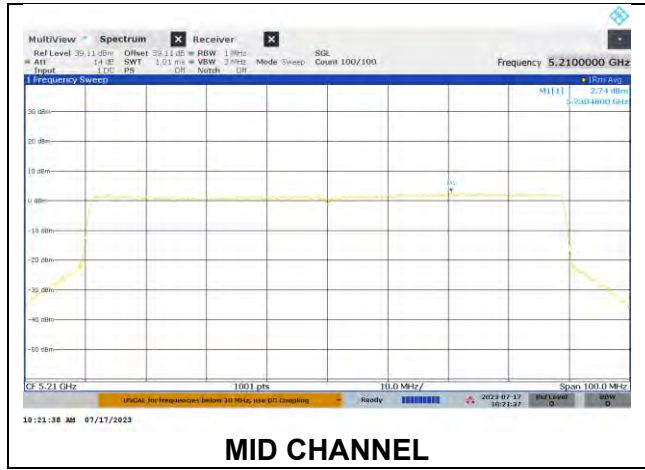
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	21.90	21.90	23.00	-1.10

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	2.74	2.74	10.00	-7.26



MID CHANNEL

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

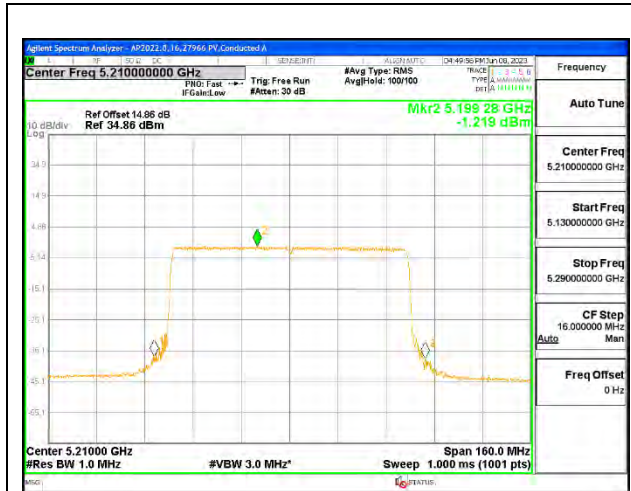
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.63	17.94	17.23	17.82	23.68	30.00	-6.32

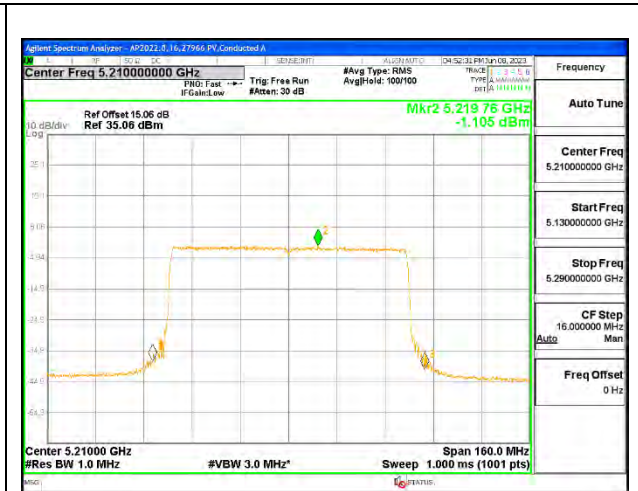
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Antenna 9 Meas PSD (dBm/ 1MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-1.219	-1.105	-1.864	-1.574	4.59	13.09	-8.50

MID CHANNEL



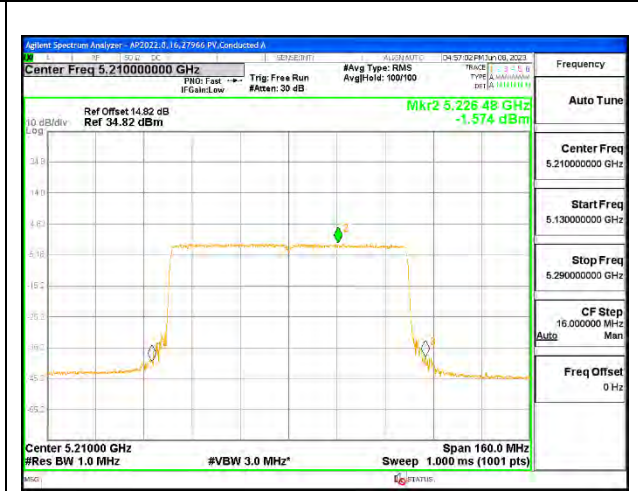
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CW 20756
Test Date:	2023-05-25

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	77.950

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

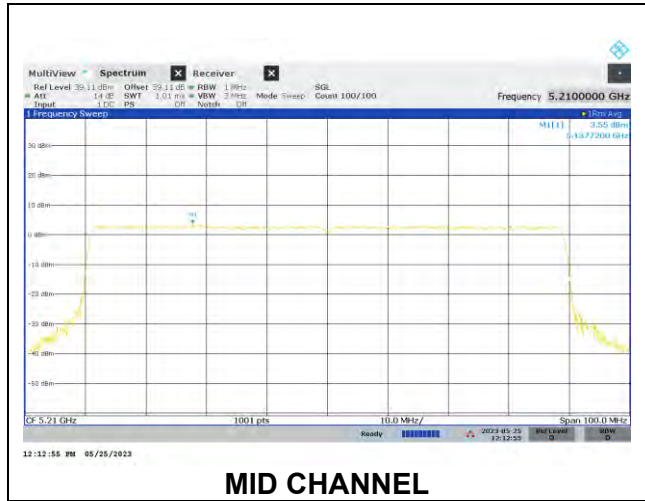
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	22.47	22.47	23.00	-0.53

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	3.55	3.55	10.00	-6.45



9.5.6. 802.11be EHT80 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-07

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.89	30.00	17.00

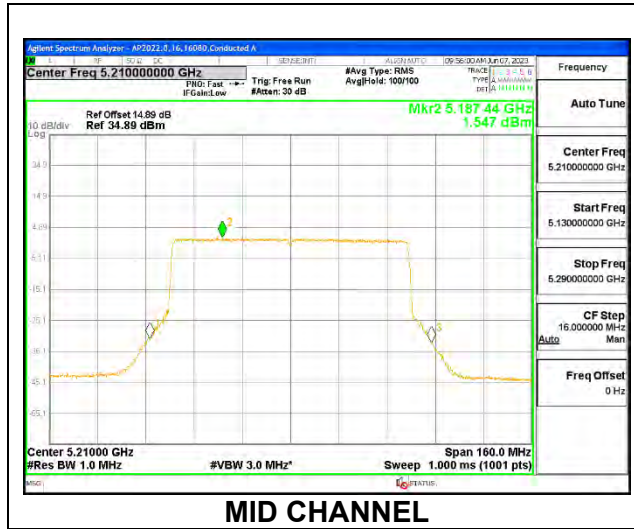
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	19.89	19.89	30.00	-10.11

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.547	1.55	17.00	-15.45



1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-09

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	77.731

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

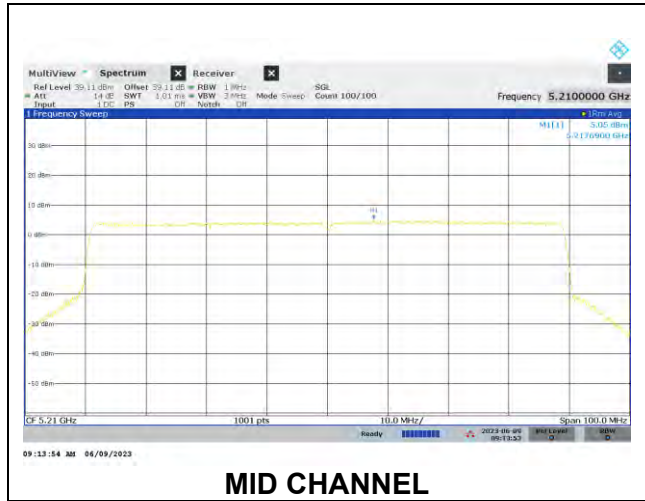
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	22.88	22.88	23.00	-0.12

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	5.05	5.05	10.00	-4.95



MID CHANNEL

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.89	6.90	30.00	16.10

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

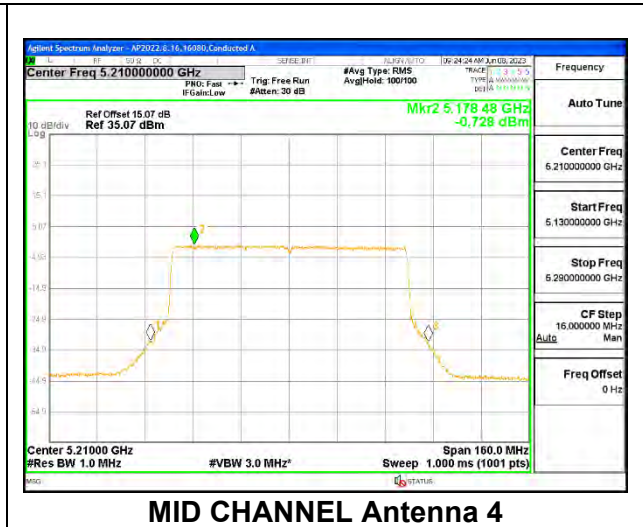
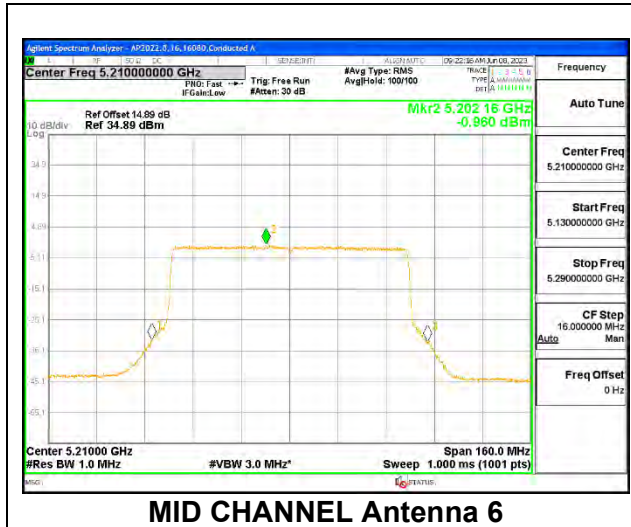
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.76	18.10	20.94	30.00	-9.06

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 4 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-0.960	-0.728	2.17	16.10	-13.93

MID CHANNEL



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CW 20756
Test Date:	2023-06-02

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	77.640

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/ 1MHz)
Mid	5210	23.00	10.00

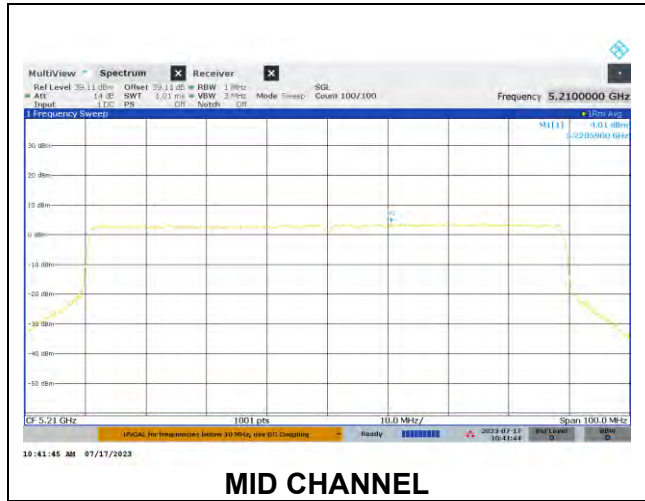
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	22.39	22.39	23.00	-0.61

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit EIRP (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	4.01	4.01	10.00	-5.99



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC)

Test Engineer:	DC 23653
Test Date:	2023-08-22

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5210	3.89	9.91	30.00	13.09

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

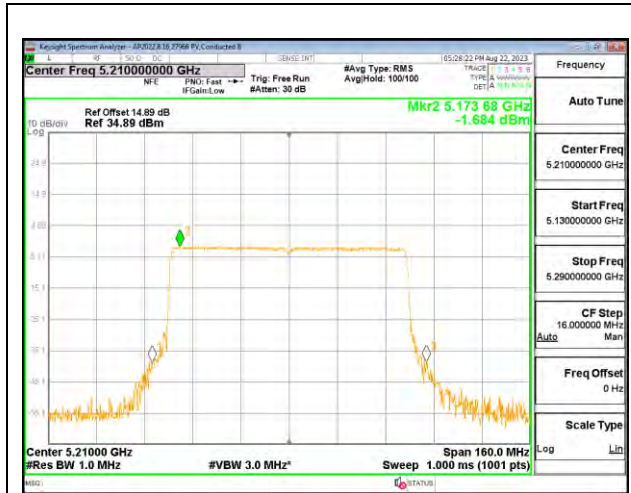
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.73	16.91	16.53	16.92	22.80	30.00	-7.20

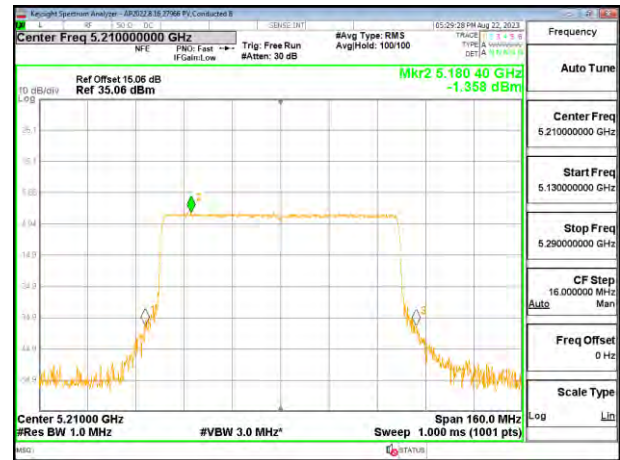
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 4 Meas PSD (dBm/1MHz)	Antenna 9 Meas PSD (dBm/1MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5210	-1.684	-1.358	-2.021	-1.291	4.44	13.09	-8.65

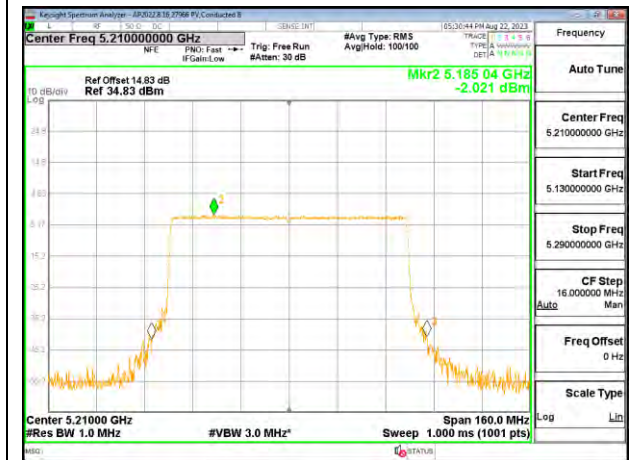
MID CHANNEL



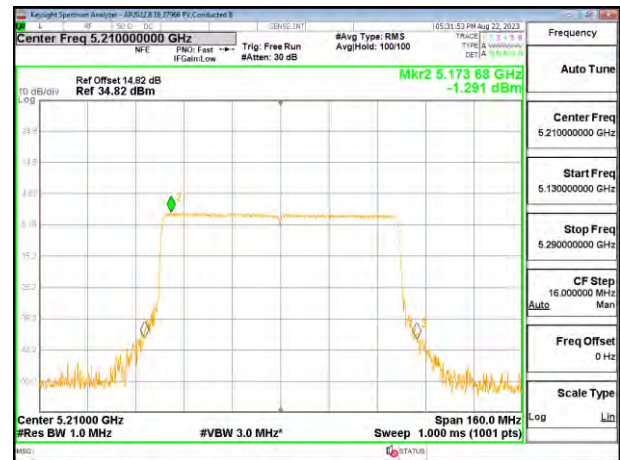
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (IC)

Test Engineer:	CN 28867
Test Date:	2023-08-24

(Note: IC output power & PSD was tested by radiated method)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)
Mid	5210	77.658

Limits

Channel	Frequency (MHz)	ISED EIRP Limit (dBm)	ISED EIRP PSD Limit (dBm/1MHz)
Mid	5210	23.00	10.00

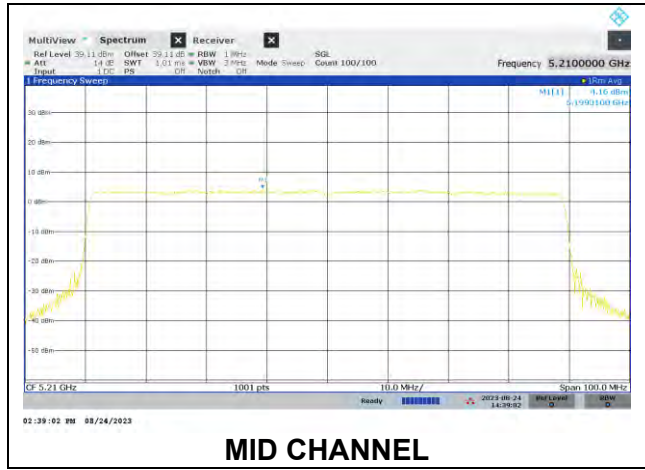
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Total Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit EIRP (dBm)	Power Margin (dB)
Mid	5210	22.95	22.95	23.00	-0.05

PSD Results

Channel	Frequency (MHz)	Total Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit EIRP (dBm/1MHz)	PSD Margin (dB)
Mid	5210	4.16	4.16	10.00	-5.84



9.5.7. 802.11ax HE20 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-05-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	3.62	30.00	30.00
Mid	5785	3.62	30.00	30.00
High	5805	3.62	30.00	30.00

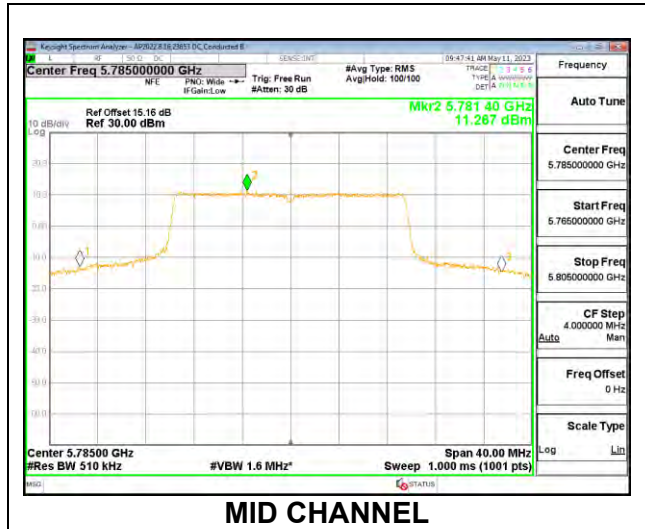
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	26.60	26.60	30.00	-3.40
Mid	5785	26.08	26.08	30.00	-3.92
High	5805	25.83	25.83	30.00	-4.17

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	11.507	11.507	30.00	-18.49
Mid	5785	11.267	11.267	30.00	-18.73
High	5805	10.671	10.671	30.00	-19.33



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-05-11

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	3.62	6.63	30.00	29.37
Mid	5785	3.62	6.63	30.00	29.37
High	5805	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

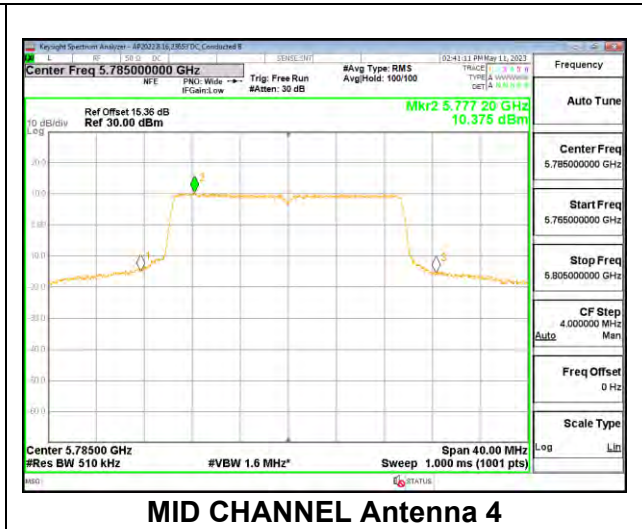
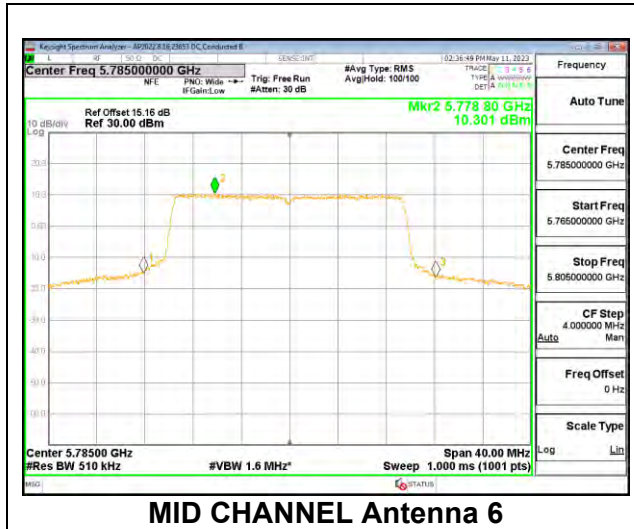
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	25.98	25.95	28.98	30.00	-1.02
Mid	5785	25.50	25.38	28.45	30.00	-1.55
High	5805	25.12	24.92	28.03	30.00	-1.97

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	10.590	10.505	13.558	29.37	-15.81
Mid	5785	10.301	10.375	13.348	29.37	-16.02
High	5805	10.460	9.916	13.207	29.37	-16.16

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-05-12 to 2023-06-08

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	3.62	9.64	30.00	26.36
Mid	5785	3.62	9.64	30.00	26.36
High	5805	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

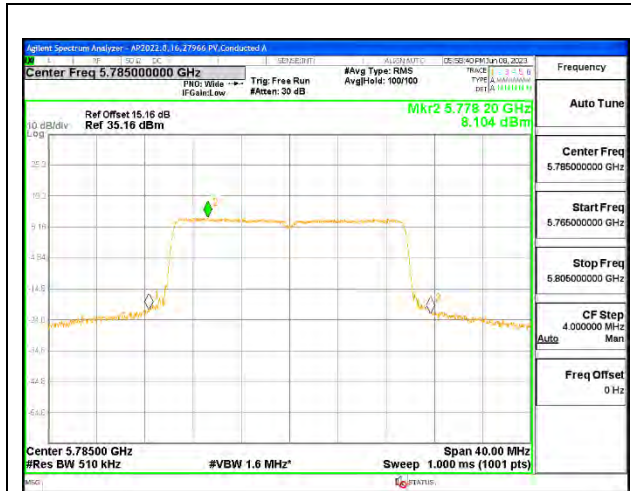
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna Meas Power (dBm)	Antenna Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.95	23.03	23.20	22.34	28.91	30.00	-1.09
Mid	5785	23.01	23.02	23.41	23.14	29.17	30.00	-0.83
High	5805	22.88	22.63	23.09	22.65	28.84	30.00	-1.16

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.342	8.504	8.194	7.760	14.229	26.36	-12.13
Mid	5785	8.104	7.955	8.666	8.000	14.211	26.36	-12.15
High	5805	7.537	7.535	8.044	7.639	13.714	26.36	-12.65

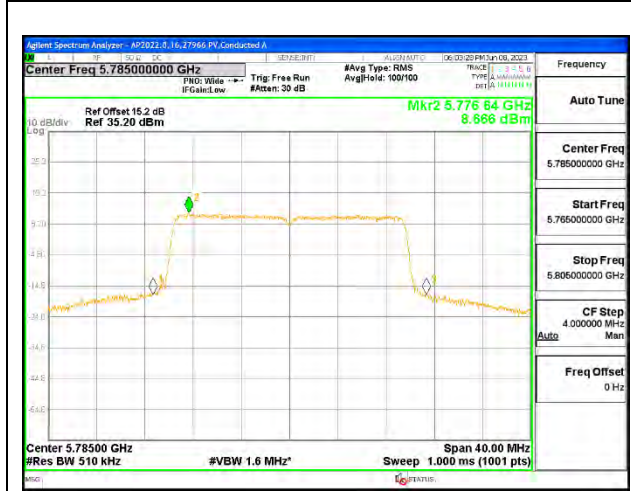
MID CHANNEL



MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.8. 802.11be EHT20 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	3.62	30.00	30.00
Mid	5785	3.62	30.00	30.00
High	5805	3.62	30.00	30.00

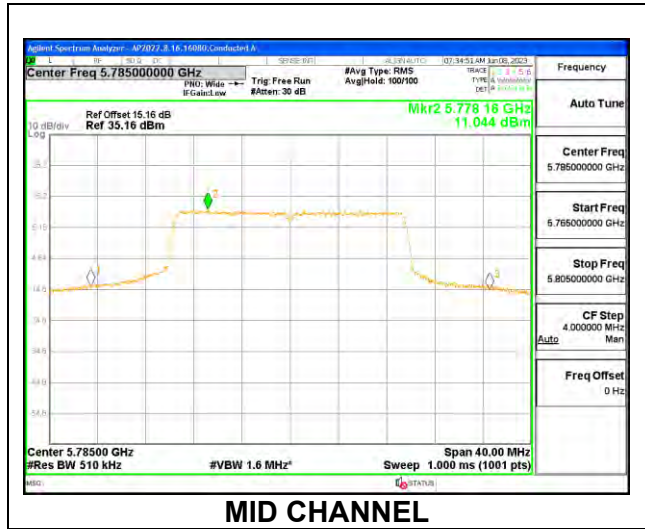
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	26.51	26.51	30.00	-3.49
Mid	5785	26.02	26.02	30.00	-3.98
High	5805	25.75	25.75	30.00	-4.25

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	11.322	11.322	30.00	-18.68
Mid	5785	11.044	11.044	30.00	-18.96
High	5805	10.315	10.315	30.00	-19.69



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	ZS 16080 and PV 27966
Test Date:	2023-06-09 to 2023-06-20

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	3.62	6.63	30.00	29.37
Mid	5785	3.62	6.63	30.00	29.37
High	5805	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

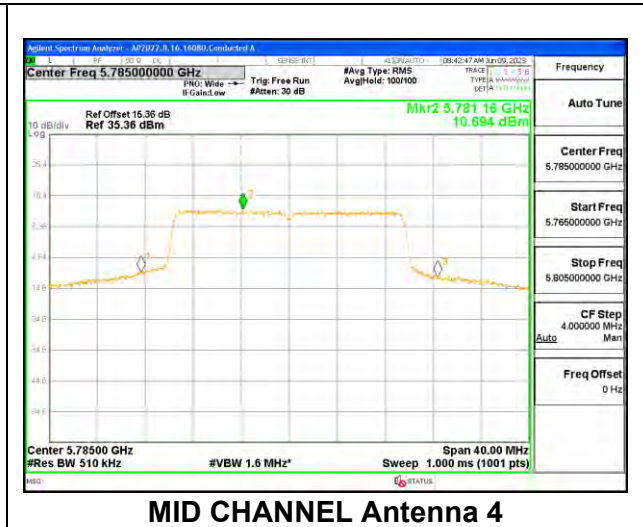
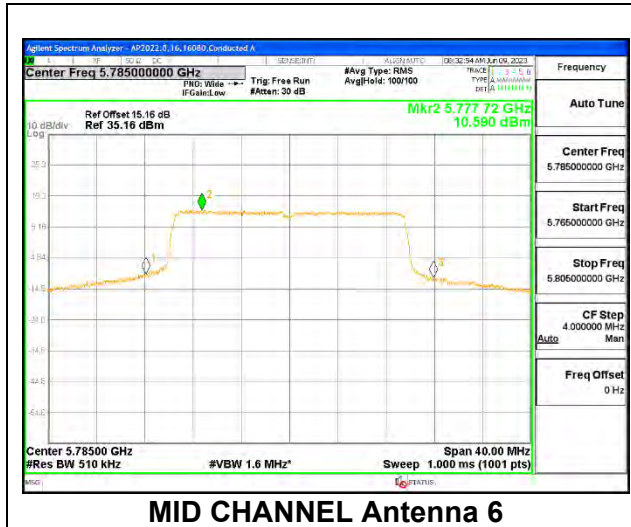
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	25.80	25.77	28.80	30.00	-1.20
Mid	5785	25.94	25.88	28.92	30.00	-1.08
High	5805	25.68	25.46	28.58	30.00	-1.42

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	10.571	10.685	13.639	29.37	-15.73
Mid	5785	10.590	10.694	13.653	29.37	-15.72
High	5805	10.505	10.551	13.538	29.37	-15.83

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-07 to 2023-06-08

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	3.62	9.64	30.00	26.36
Mid	5785	3.62	9.64	30.00	26.36
High	5805	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

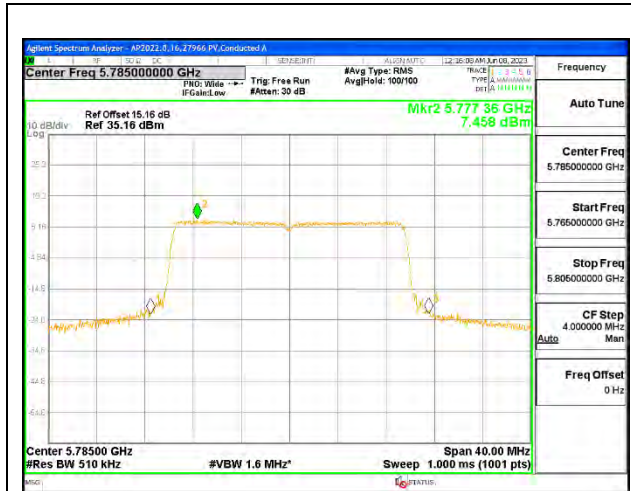
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	23.19	23.22	23.22	22.48	29.06	30.00	-0.94
Mid	5785	22.76	22.73	23.11	22.76	28.86	30.00	-1.14
High	5805	22.94	22.76	23.09	22.79	28.92	30.00	-1.08

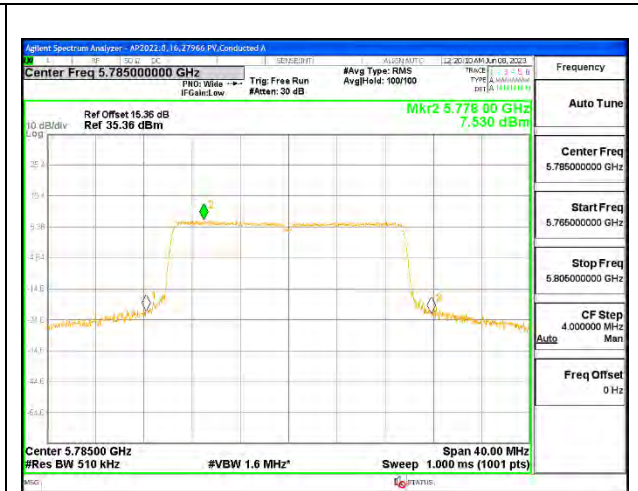
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.086	8.273	8.553	7.531	14.147	26.36	-12.21
Mid	5785	7.458	7.53	7.672	7.072	13.459	26.36	-12.90
High	5805	7.573	7.333	7.972	7.562	13.637	26.36	-12.72

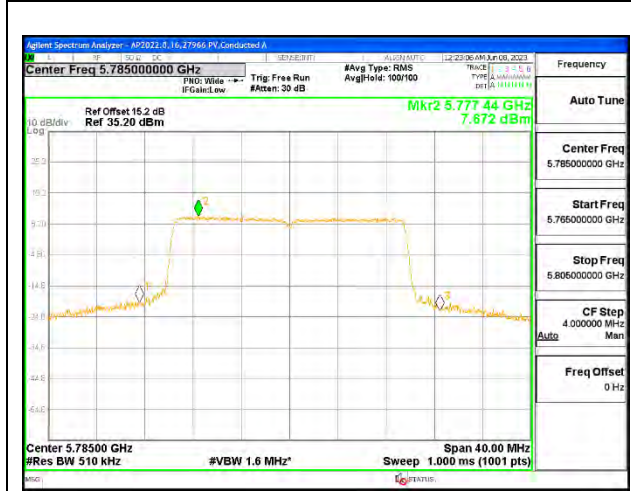
MID CHANNEL



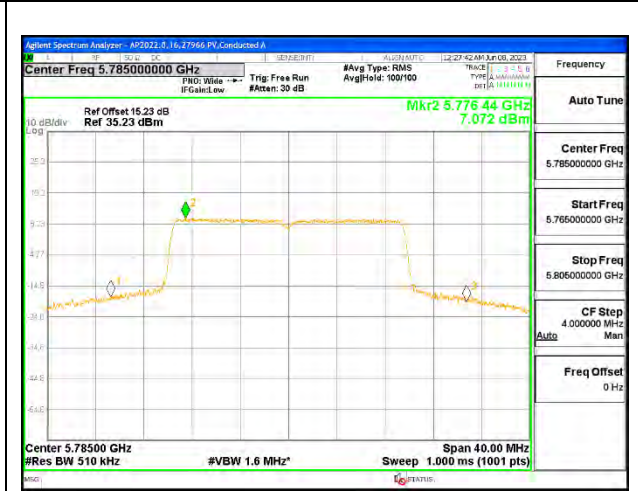
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.9. 802.11ax HE40 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	DC 23653 and PV 27966
Test Date:	2023-05-11 to 2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	3.62	30.00	30.00
High	5795	3.62	30.00	30.00

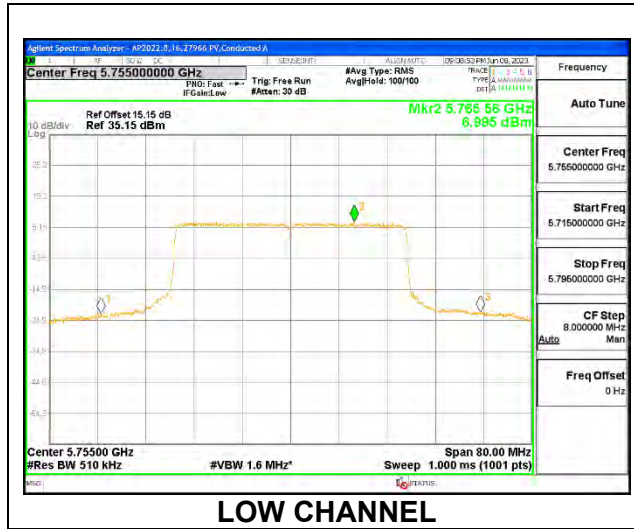
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	25.03	25.03	30.00	-4.97
High	5795	25.62	25.62	30.00	-4.38

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	6.995	6.995	30.00	-23.01
High	5795	8.178	8.178	30.00	-21.82



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	DC 23653 and PV 27966
Test Date:	2023-05-11 to 2023-06-08

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	3.62	6.63	30.00	29.37
High	5795	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

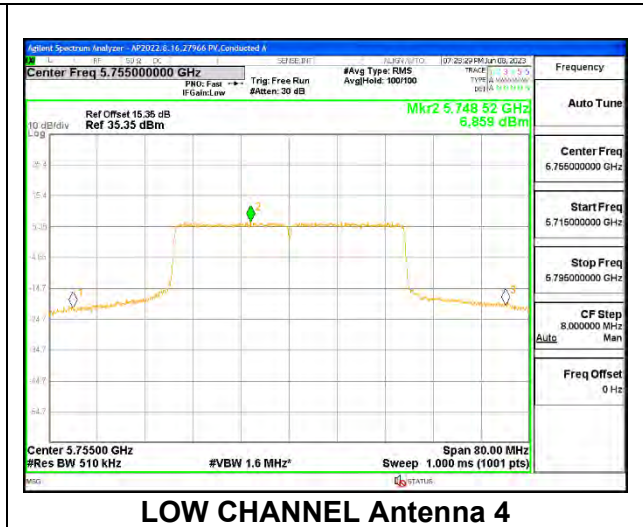
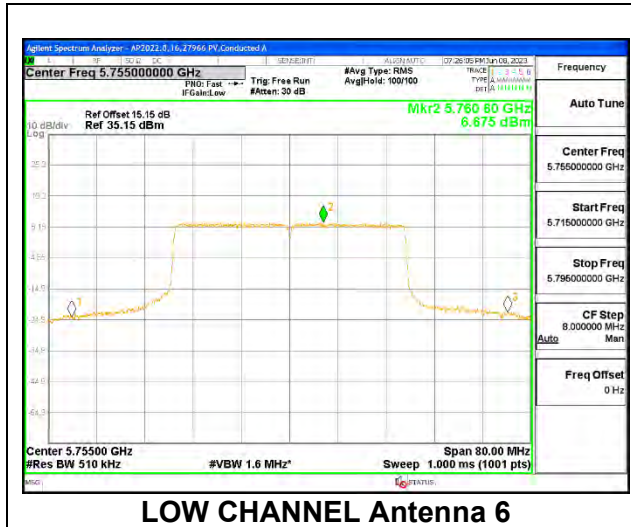
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	25.27	25.34	28.32	30.00	-1.68
High	5795	25.20	25.13	28.18	30.00	-1.82

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	6.675	6.859	9.778	29.37	-19.59
High	5795	7.801	8.153	10.991	29.37	-18.38

LOW CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	DC 23653 and PV 27966
Test Date:	2023-05-15 to 2023-06-08

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5755	3.62	9.64	30.00	26.36
High	5795	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

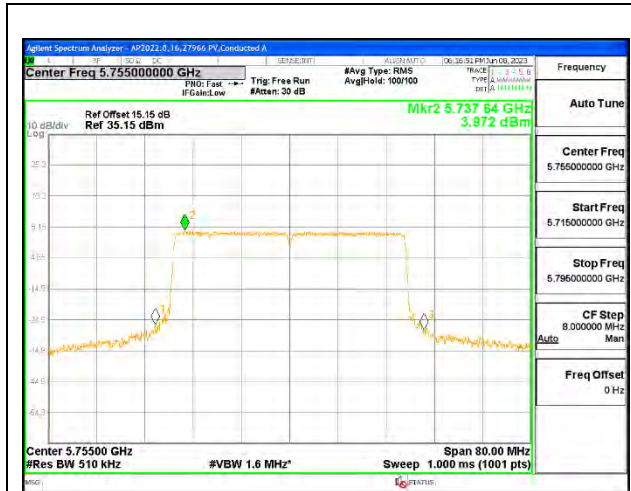
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	22.25	22.34	22.73	21.86	28.33	30.00	-1.67
High	5795	23.29	23.04	23.56	23.10	29.27	30.00	-0.73

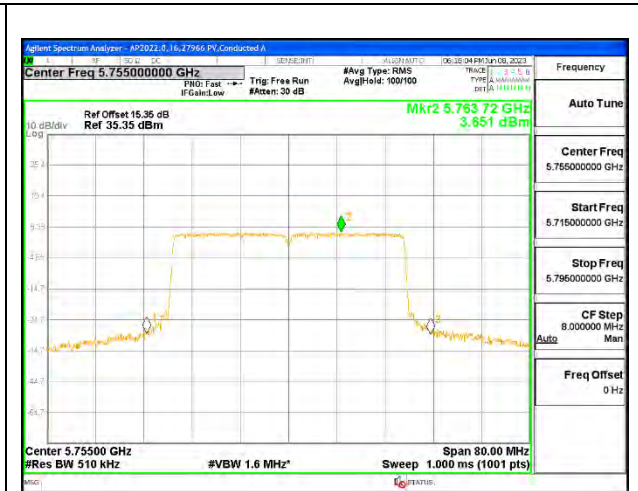
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	3.972	3.651	4.223	3.755	9.926	26.36	-16.43
High	5795	5.826	5.666	6.527	6.488	12.164	26.36	-14.20

LOW CHANNEL



LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

9.5.10. 802.11be EHT40 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	ZS 16080 and PV 27966
Test Date:	2023-06-08 to 2023-06-20

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	3.62	30.00	30.00
High	5795	3.62	30.00	30.00

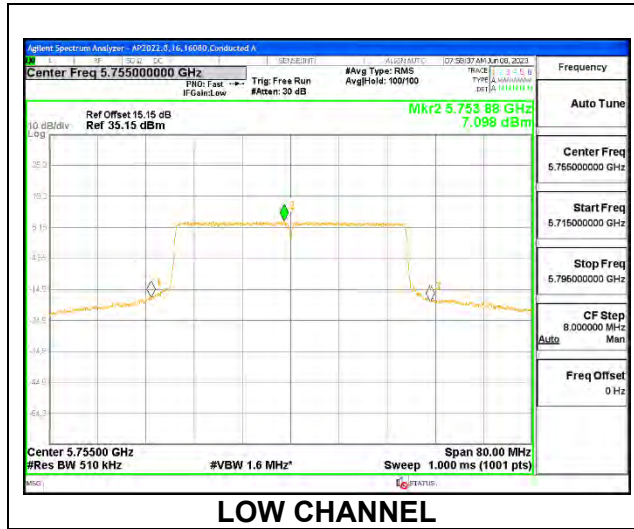
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	25.44	25.44	30.00	-4.56
High	5795	24.83	24.83	30.00	-5.17

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	7.098	7.098	30.00	-22.90
High	5795	7.640	7.640	30.00	-22.36



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-09

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	3.62	6.63	30.00	29.37
High	5795	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

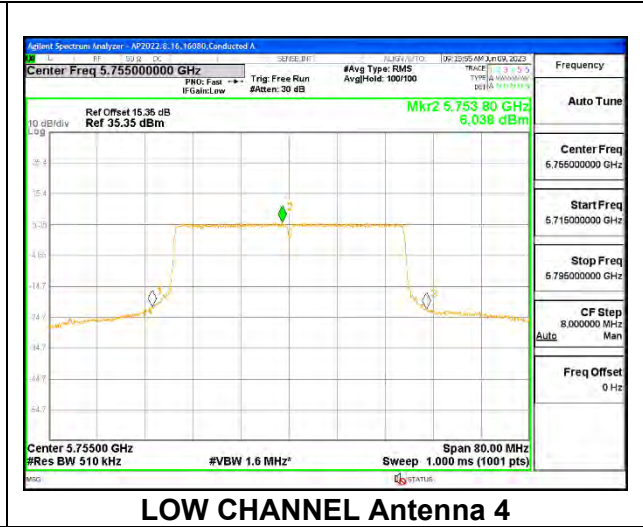
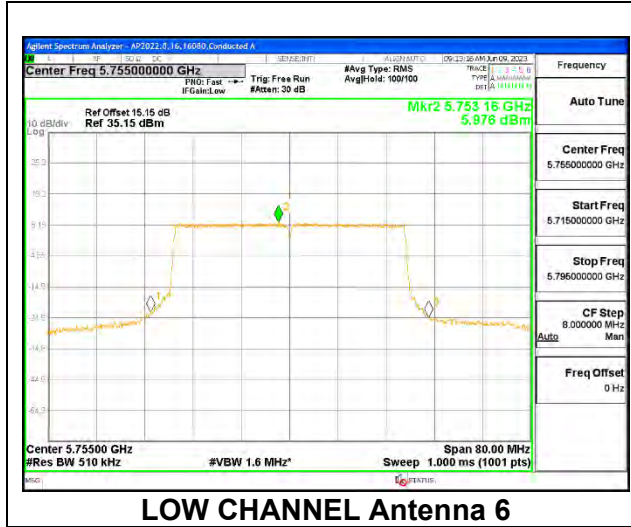
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	24.72	24.84	27.79	30.00	-2.21
High	5795	26.30	26.26	29.29	30.00	-0.71

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	5.976	6.038	9.017	29.37	-20.35
High	5795	7.757	7.757	10.767	29.37	-18.60

LOW CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65 (FCC+IC)

Test Engineer:	PV 27966, DC 23653
Test Date:	2023-06-08, 2023-08-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5755	3.62	9.64	30.00	26.36
High	5795	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

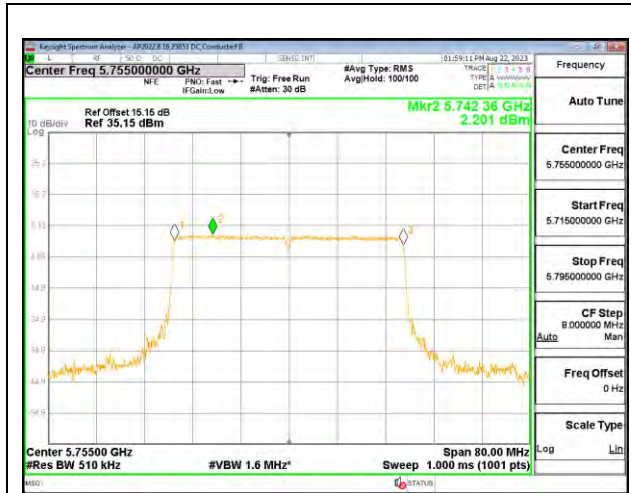
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	20.37	20.41	20.03	20.45	26.34	30.00	-3.66
High	5795	23.01	22.82	23.26	23.01	29.05	30.00	-0.95

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	2.201	2.442	2.499	3.290	8.648	26.36	-17.71
High	5795	4.400	4.058	4.653	4.613	10.458	26.36	-15.90

LOW CHANNEL



LOW CHANNEL Antenna 6



LOW CHANNEL Antenna 4



LOW CHANNEL Antenna 9



LOW CHANNEL Antenna 1

9.5.11. 802.11ax HE80 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	3.62	30.00	30.00

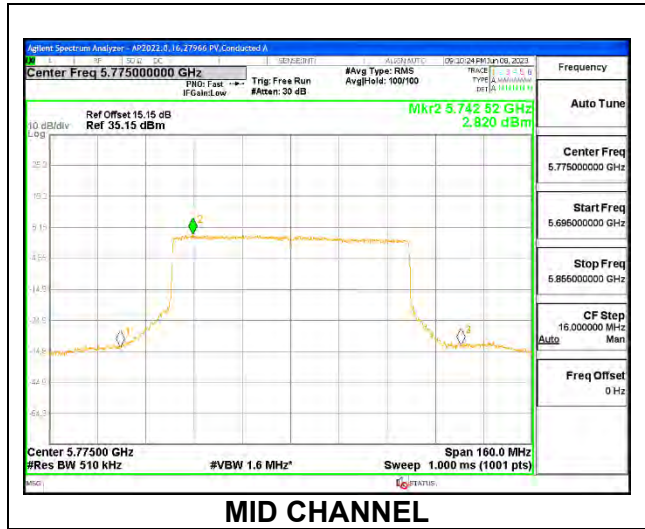
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	23.55	23.55	30.00	-6.45

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	2.820	2.820	30.00	-27.18



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-05-11

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5755	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

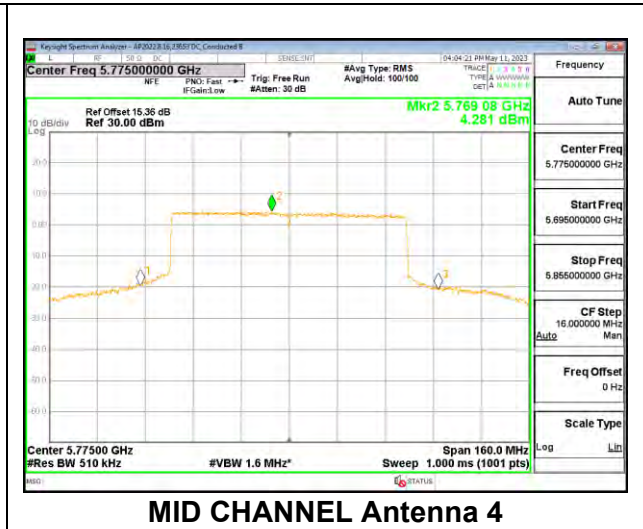
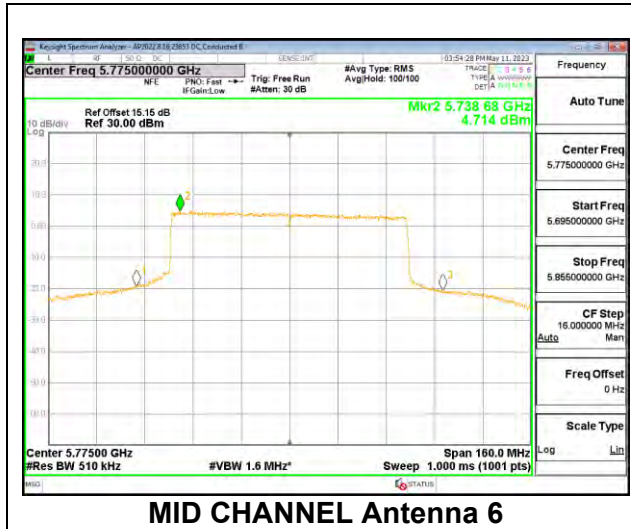
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	25.21	25.11	28.17	30.00	-1.83

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	4.714	4.281	7.513	29.37	-21.86

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	PV 27966
Test Date:	2023-06-08

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5755	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

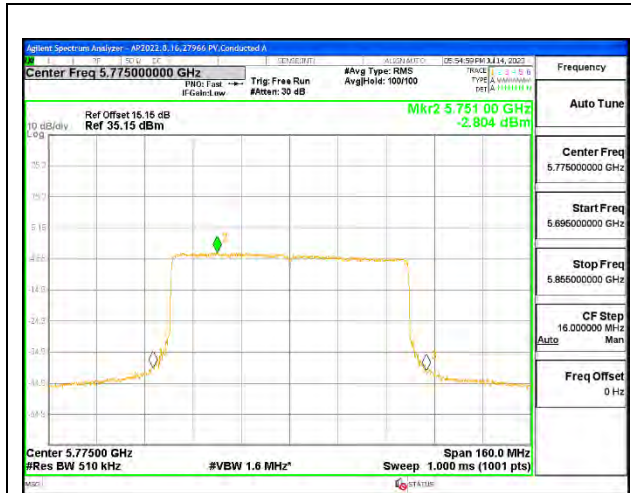
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	18.40	18.61	18.29	18.81	24.55	30.00	-5.45

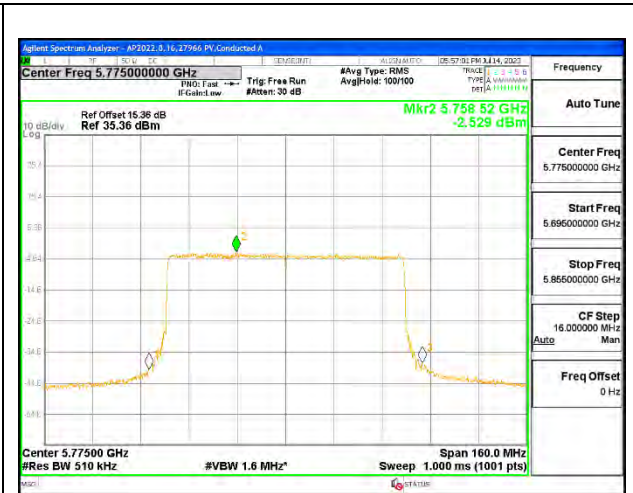
PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5755	-2.804	-2.529	-2.622	-2.614	3.380	26.36	-22.98

MID CHANNEL



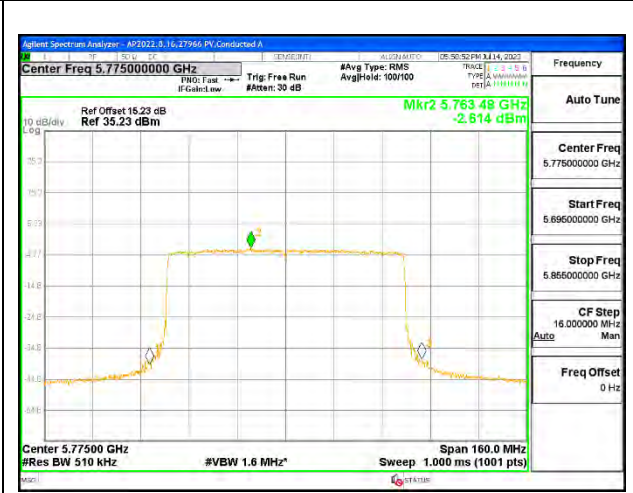
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

9.5.12. 802.11be EHT80 MODE IN THE 5.8GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-08

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	3.62	30.00	30.00

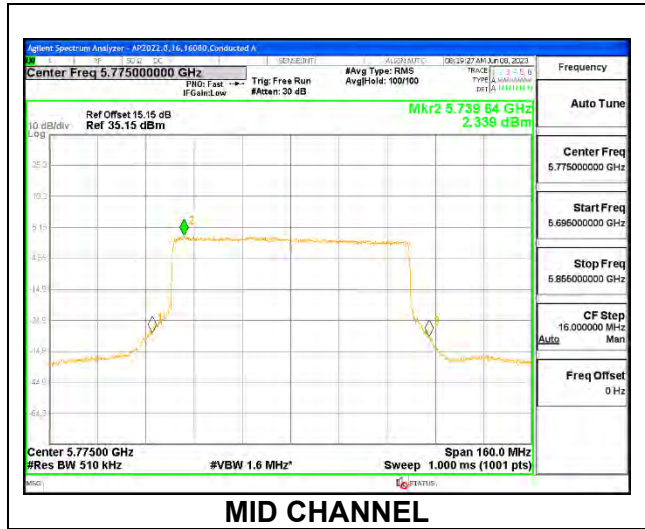
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	22.87	22.87	30.00	-7.13

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	2.339	2.339	30.00	-27.66



2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2023-06-09

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	3.62	6.63	30.00	29.37

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

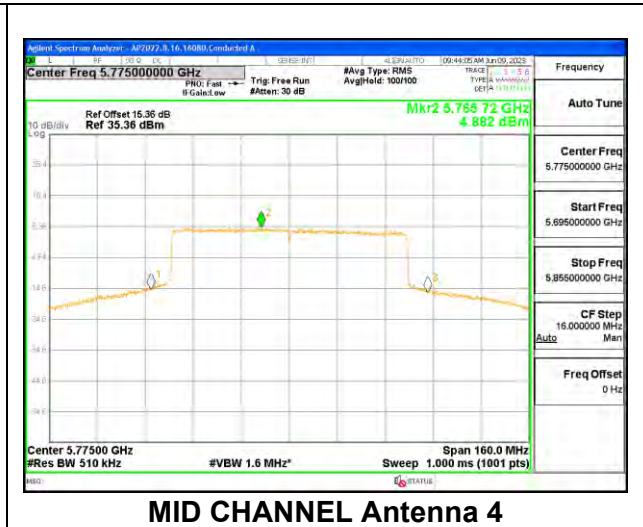
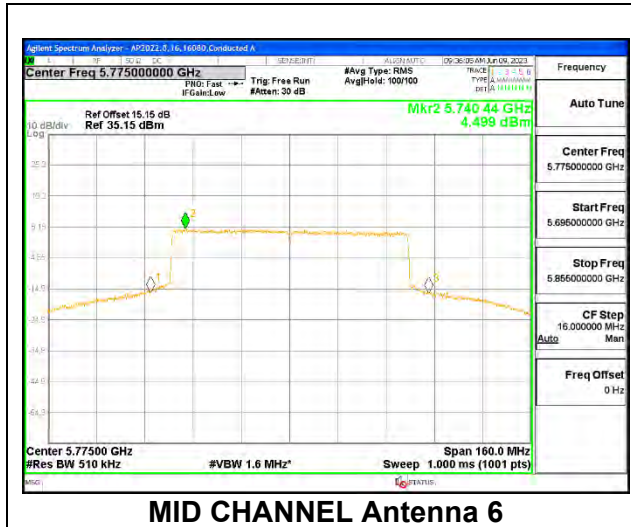
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	26.06	26.00	29.04	30.00	-0.96

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	4.499	4.882	7.705	29.37	-21.66

MID CHANNEL



4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67 (FCC+IC)

Test Engineer:	DC 23653
Test Date:	2023-08-22

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Mid	5775	3.62	9.64	30.00	26.36

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
---------------------------	------	---

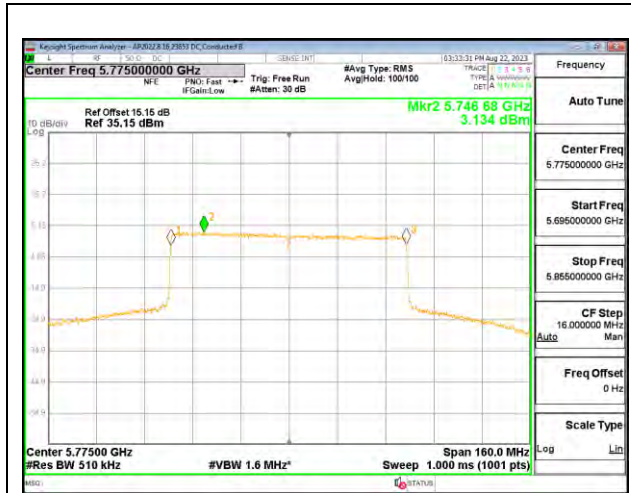
Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Antenna 9 Meas Power (dBm)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	16.95	17.25	16.95	17.28	23.13	30.00	-6.87

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Antenna 9 Meas PSD (dBm/500KHz)	Antenna 1 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Mid	5775	3.134	3.087	3.133	3.577	9.258	26.36	-17.10

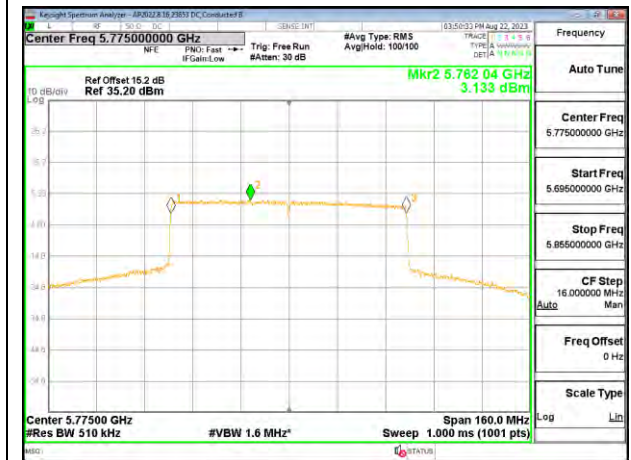
MID CHANNEL



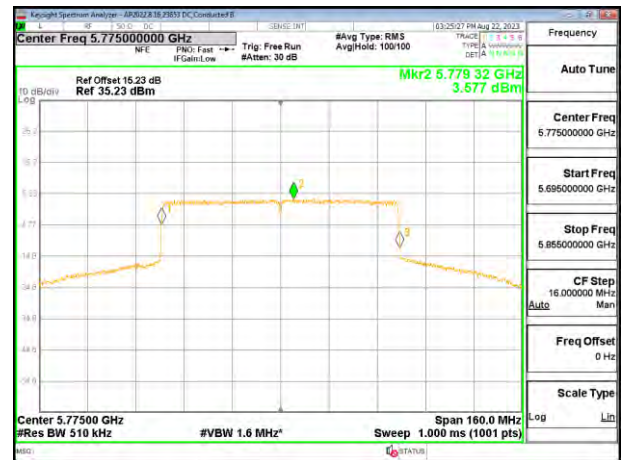
MID CHANNEL Antenna 6



MID CHANNEL Antenna 4



MID CHANNEL Antenna 9



MID CHANNEL Antenna 1

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

RSS 247 Issue 3 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.4.3 (for 5725-5850 MHz band)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, mid channel, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

NOTE: The limits in FCC 47 CFR, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

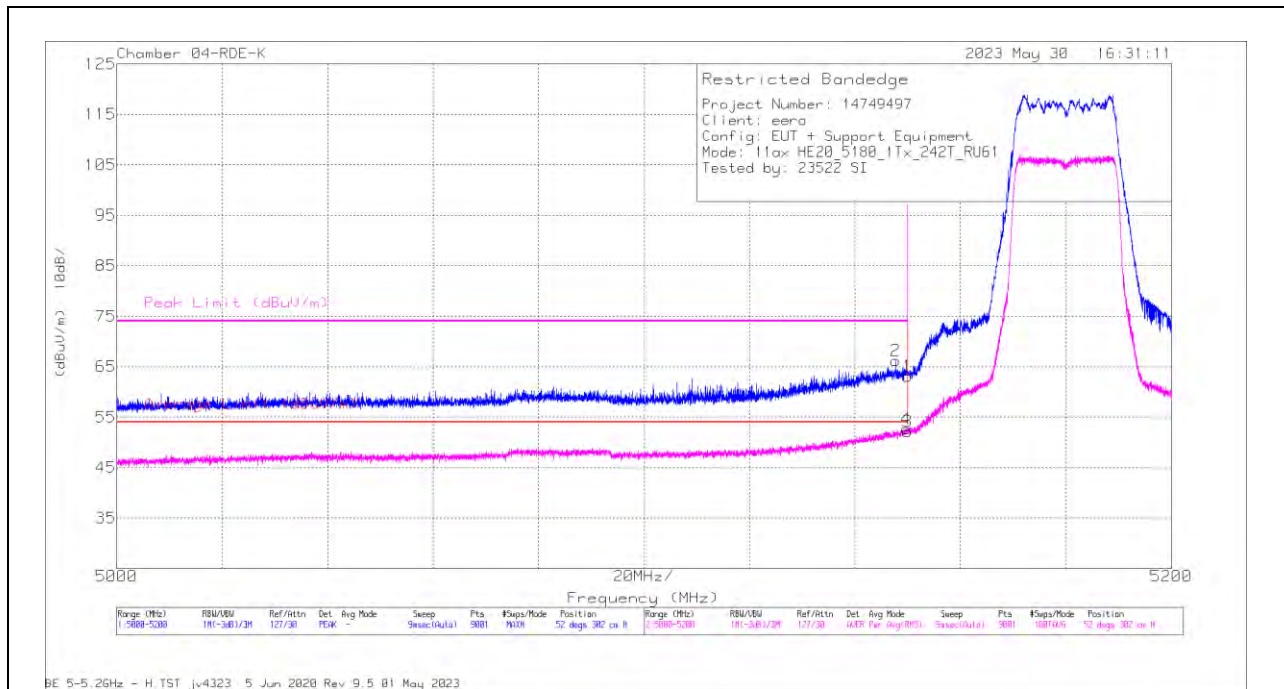
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

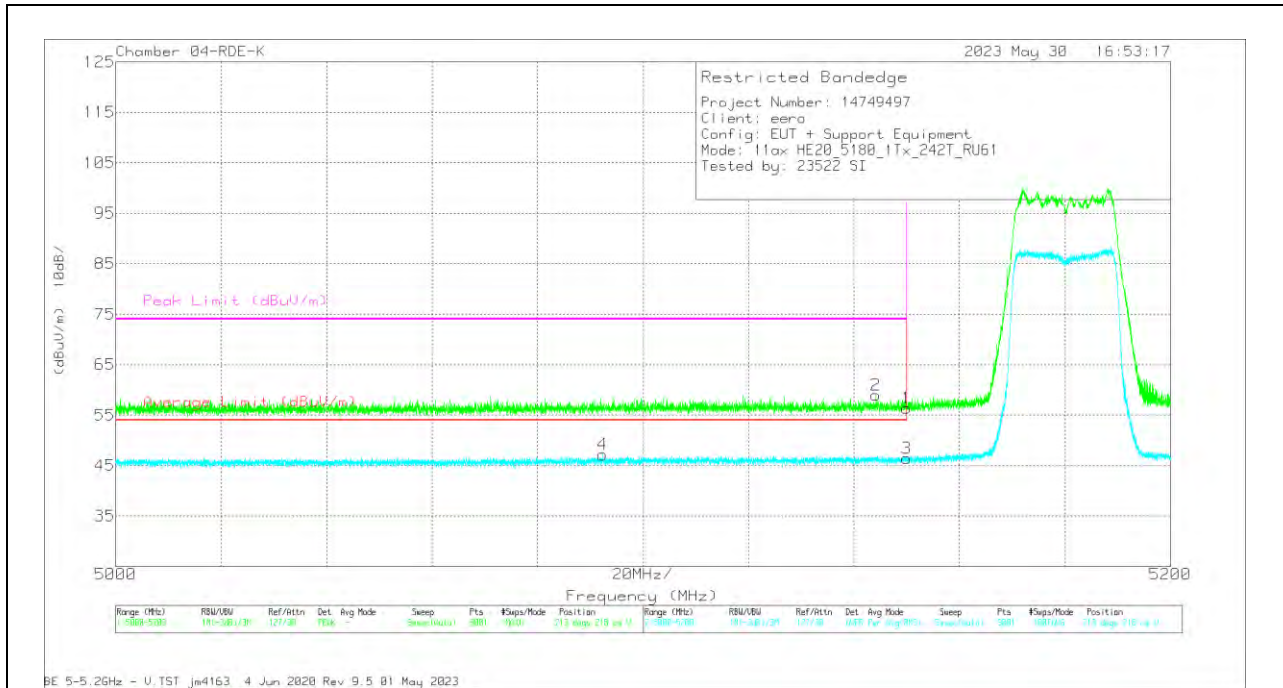
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	59.03	Pk	34.1	-30.1	63.03	-	-	74	-10.97	52	302	H
2	* 5147.732	62.46	Pk	34	-30.3	66.16	-	-	74	-7.84	52	302	H
3	* 5150	48.13	RMS	34.1	-30.1	52.13	54	-1.87	-	-	52	302	H
4	* 5149.71	48.62	RMS	34.1	-30.1	52.62	54	-1.38	-	-	52	302	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

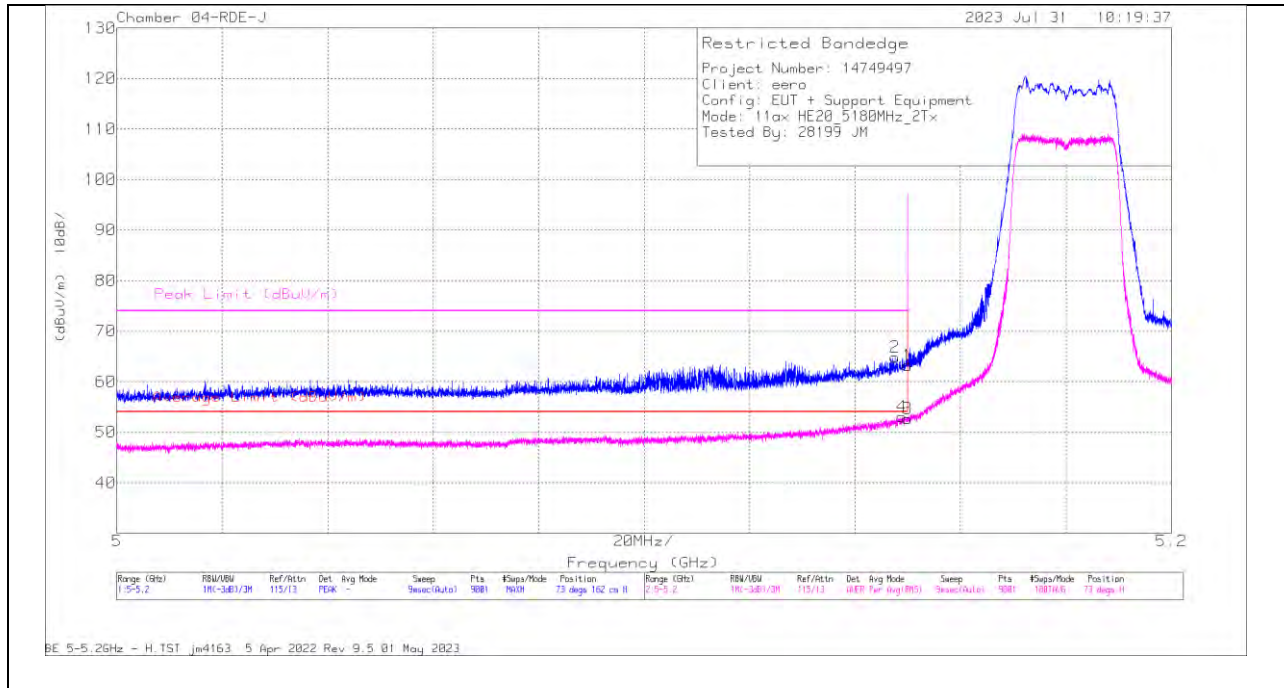
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	52.38	Pk	34.1	-30.1	56.38	-	-	74	-17.62	213	218	V
2	* 5144.154	55.13	Pk	34	-30.1	59.03	-	-	74	-14.97	213	218	V
3	* 5150	42.5	RMS	34.1	-30.1	46.5	54	-7.5	-	-	213	218	V
4	* 5092.377	43.43	RMS	33.9	-30.2	47.13	54	-6.87	-	-	213	218	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

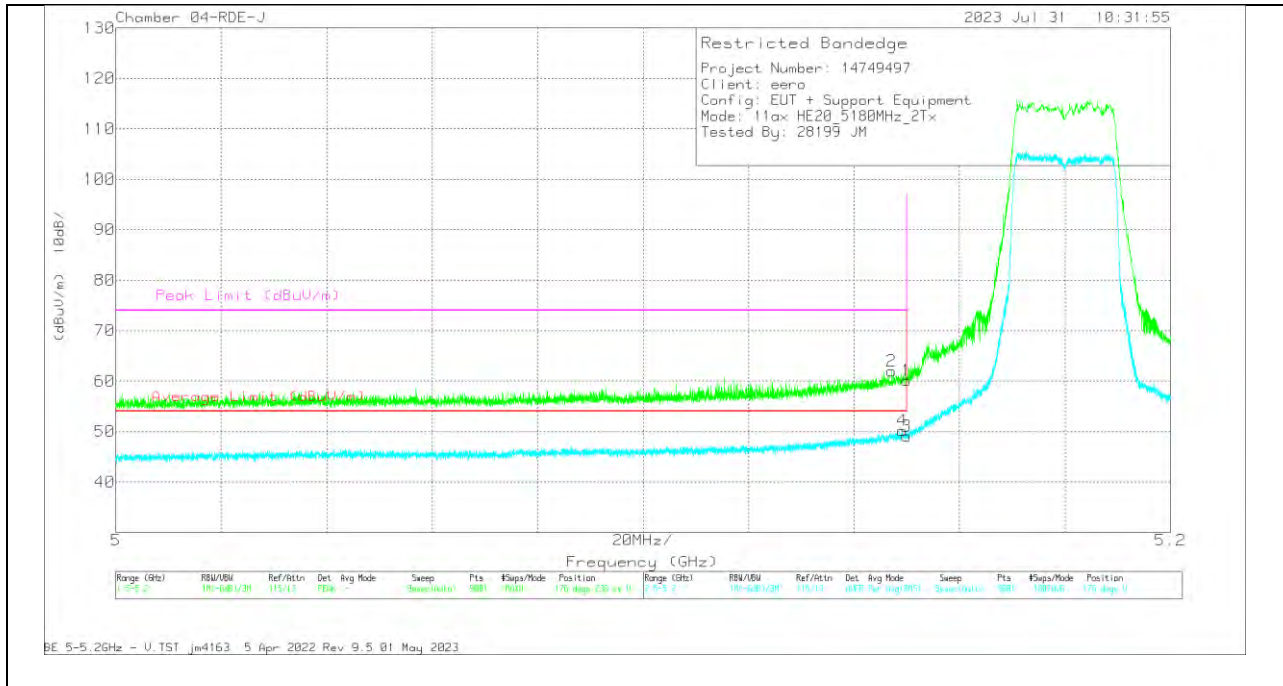


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3MHz	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.68	Pk	34.6	-14.1	0	63.18	-	-	74	-	73	162	H
2	5.147621	44.3	Pk	34.6	-14	0	64.9	-	-	74	-9.1	73	162	H
3	5.15	31.59	RMS	34.6	-14.1	.59	52.68	54	-1.32	-	-	73	162	H
4	5.148932	31.97	RMS	34.6	-14.1	.59	53.06	54	-.94	-	-	73	162	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

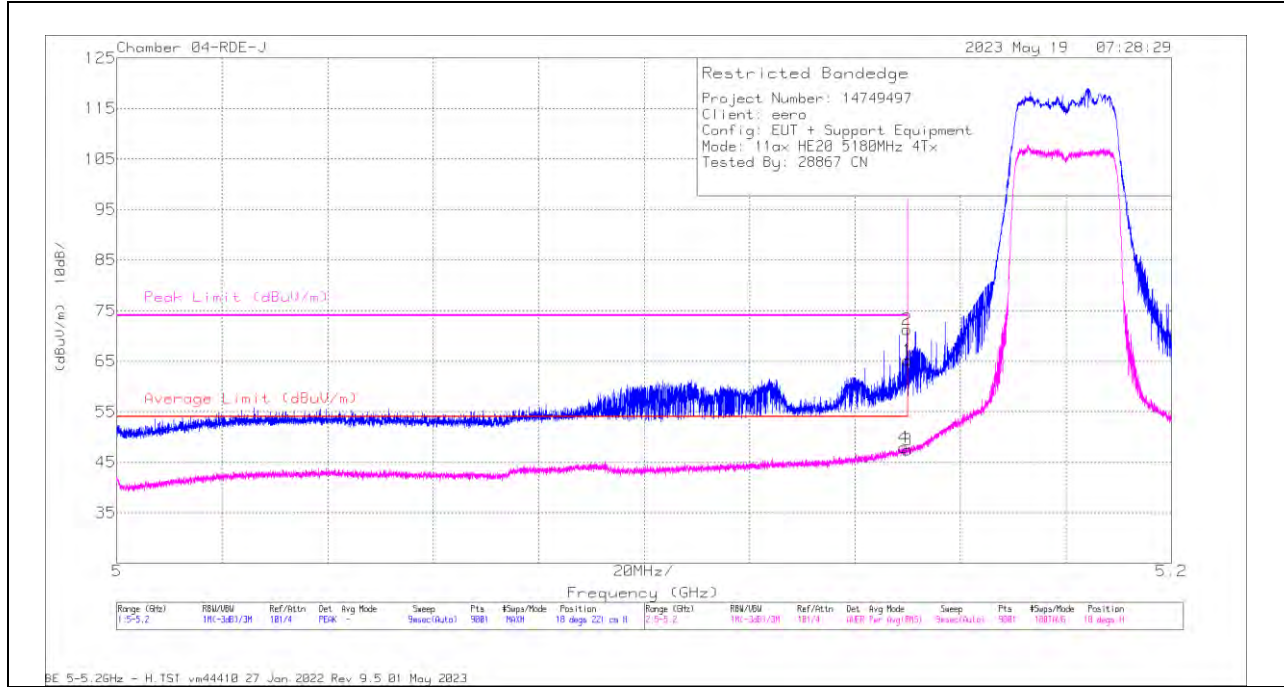
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.59	PK	34.6	-14.1	60.09	-	-	74	-13.91	176	236	V
2	5.147132	41.32	PK	34.6	-13.9	62.02	-	-	74	-11.98	176	236	V
3	5.15	28.56	RMS	34.6	-14.1	49.06	54	-4.94	-	-	176	236	V
4	5.149132	29.66	RMS	34.6	-14.1	50.16	54	-3.84	-	-	176	236	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

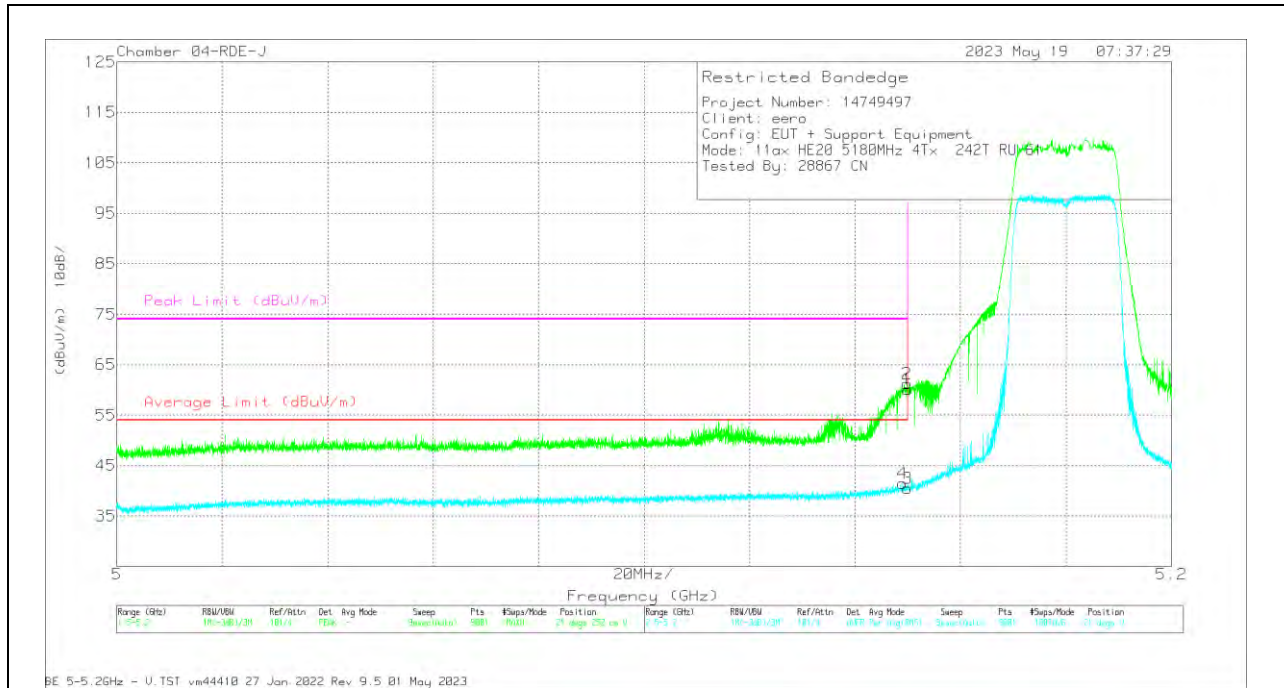


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.1	Pk	34.6	-14.5	65.2	-	-	74	-8.8	18	221	H
2	* 5.149887	51.06	Pk	34.6	-14.4	71.26	-	-	74	-2.74	18	221	H
3	* 5.15	27.36	RMS	34.6	-14.5	47.46	54	-6.54	-	-	18	221	H
4	* 5.149221	27.74	RMS	34.6	-14.4	47.94	54	-6.06	-	-	18	221	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.01	Pk	34.6	-14.5	60.11	-	-	74	-13.89	21	252	V
2	* 5.149821	41.01	Pk	34.6	-14.4	61.21	-	-	74	-12.79	21	252	V
3	* 5.15	20.35	RMS	34.6	-14.5	40.45	54	-13.55	-	-	21	252	V
4	* 5.148999	21.32	RMS	34.6	-14.4	41.52	54	-12.48	-	-	21	252	V

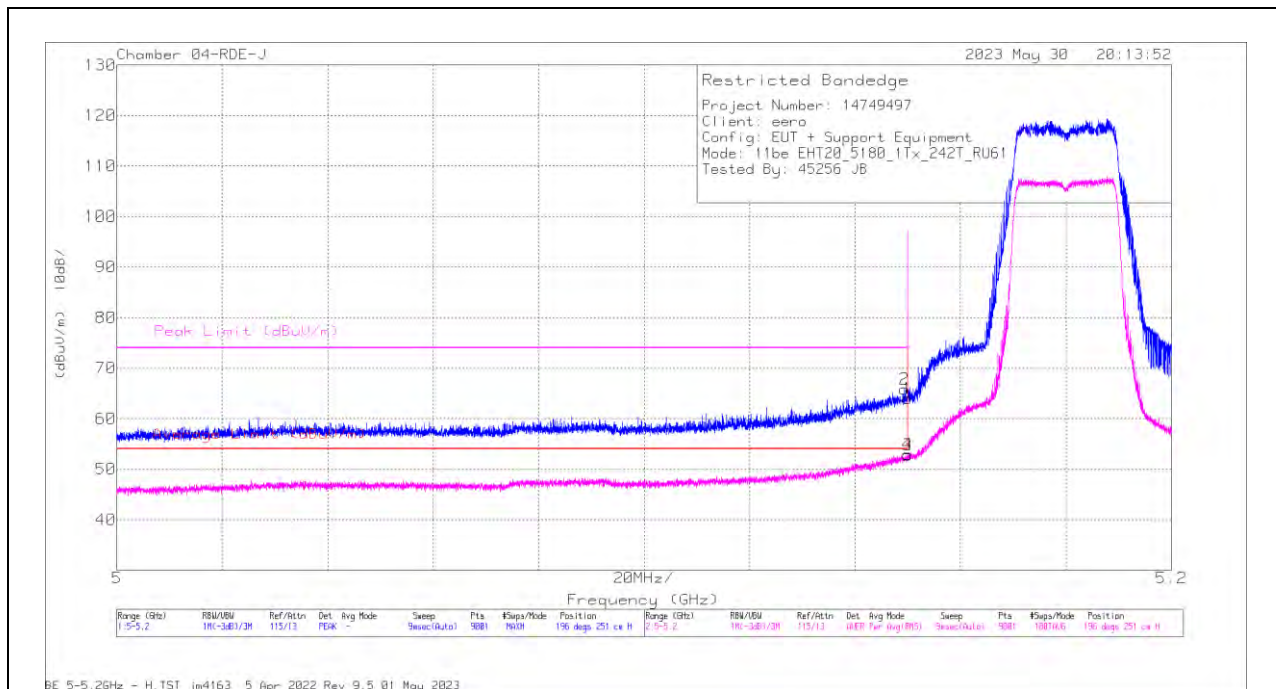
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

10.1.2. TX ABOVE 1 GHz 802.11be EHT20 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

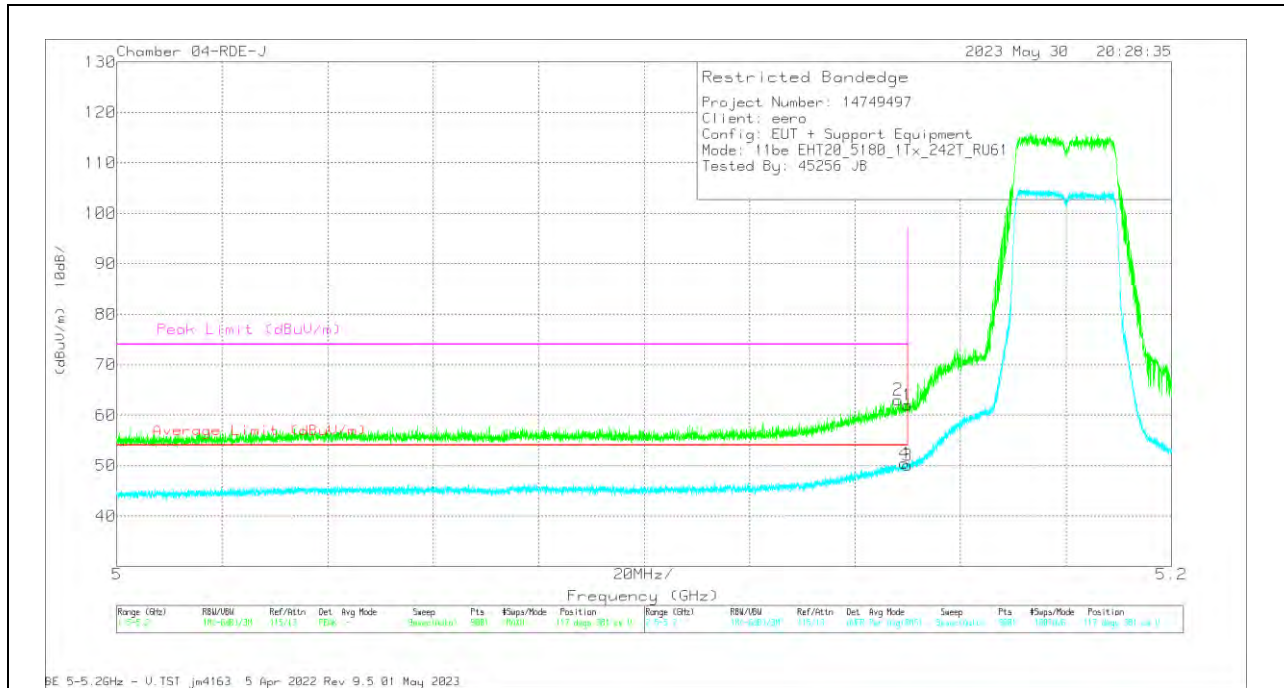


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.47	Pk	34.6	-14.1	63.97	-	-	74	-10.03	196	251	H
2	* 5.149399	45.4	Pk	34.6	-14.1	65.9	-	-	74	-8.1	196	251	H
3	* 5.15	32.34	RMS	34.6	-14.1	52.84	54	-1.16	-	-	196	251	H
4	* 5.149999	32.4	RMS	34.6	-14.1	52.9	54	-1.1	-	-	196	251	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

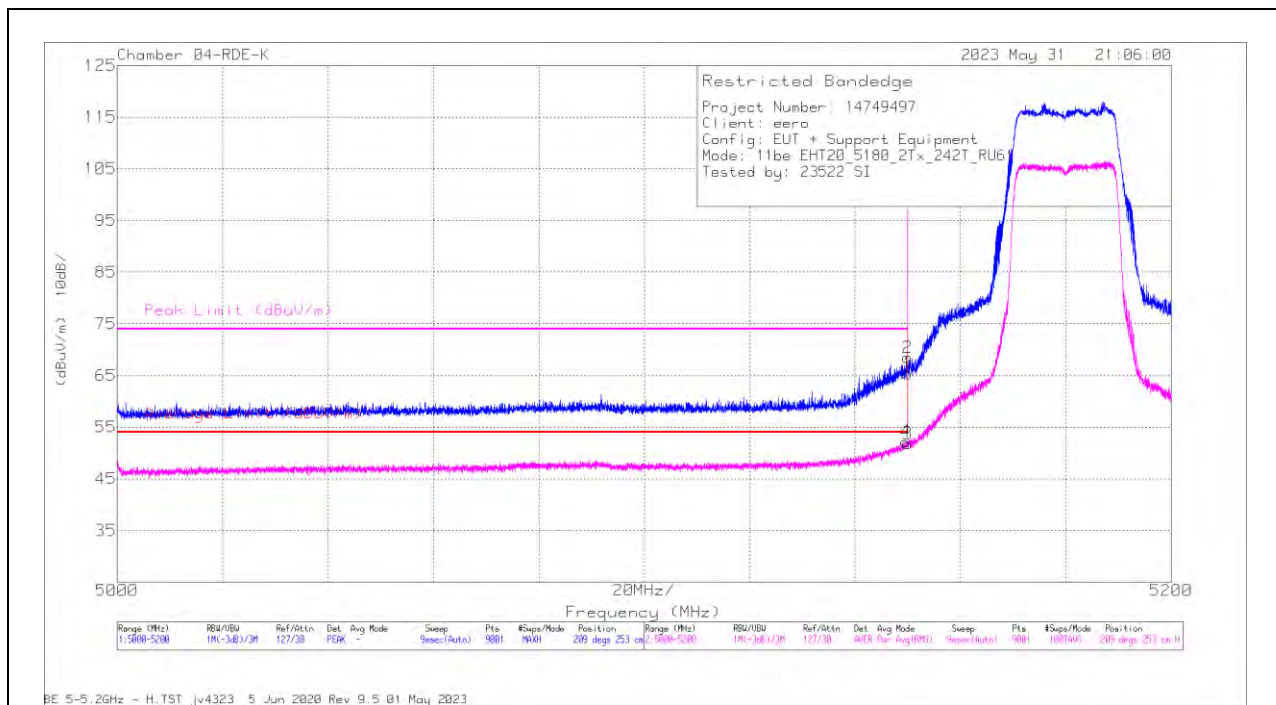
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.44	Pk	34.6	-14.1	61.94	-	-	74	-12.06	117	381	V
2	* 5.148221	42.45	Pk	34.6	-14	63.05	-	-	74	-10.95	117	381	V
3	* 5.15	29.62	RMS	34.6	-14.1	50.12	54	-3.88	-	-	117	381	V
4	* 5.149421	30	RMS	34.6	-14.1	50.5	54	-3.5	-	-	117	381	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

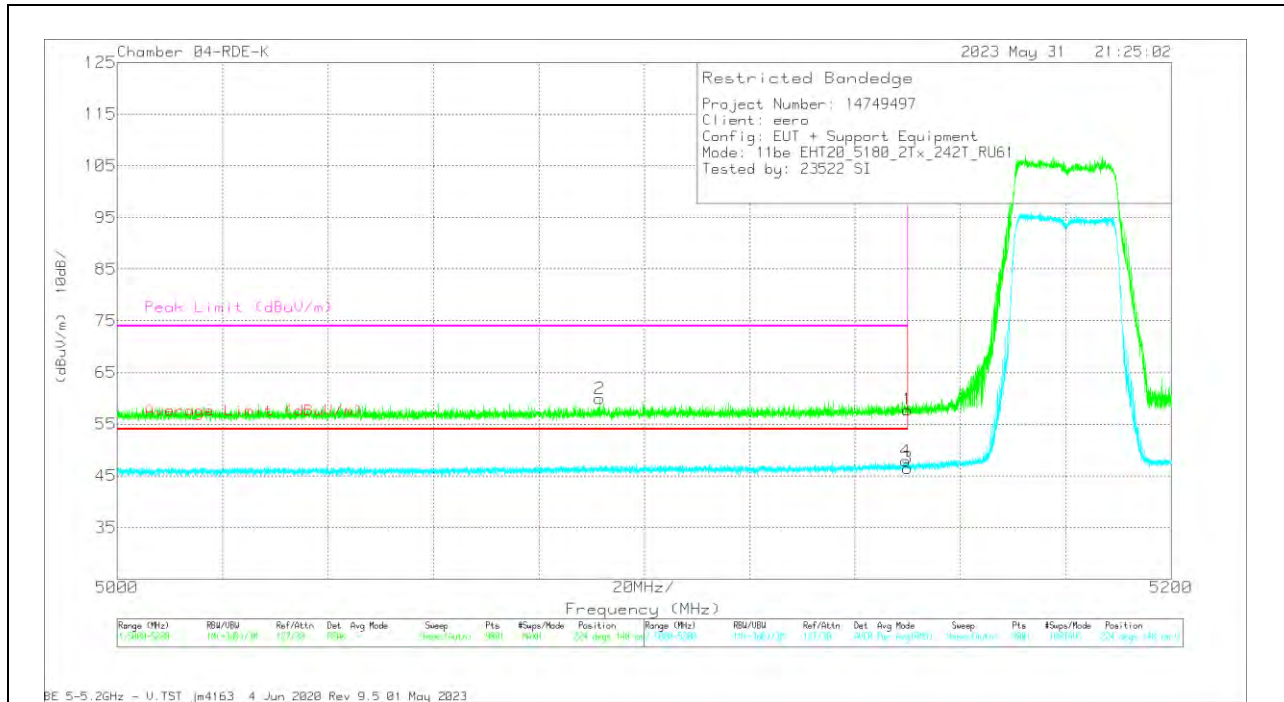


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	61.39	Pk	34.1	-30.1	65.39	-	-	74	-8.61	209	253	H
2	* 5149.932	64.45	Pk	34.1	-30.1	68.45	-	-	74	-5.55	209	253	H
3	* 5150	47.81	RMS	34.1	-30.1	51.81	54	-2.19	-	-	209	253	H
4	* 5149.599	48.17	RMS	34.1	-30.1	52.17	54	-1.83	-	-	209	253	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

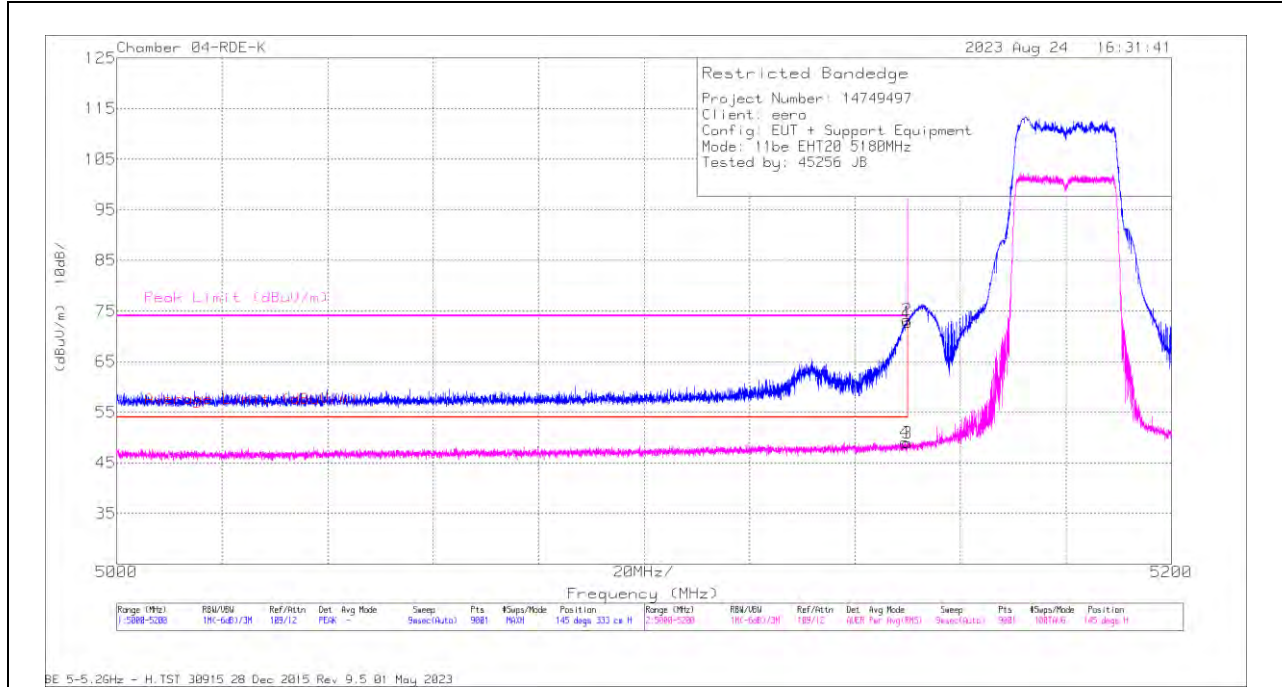
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	53.81	Pk	34.1	-30.1	57.81	-	-	74	-16.19	224	148	V
2	* 5091.532	56.23	Pk	33.9	-30.2	59.93	-	-	74	-14.07	224	148	V
3	* 5150	42.48	RMS	34.1	-30.1	46.48	54	-7.52	-	-	224	148	V
4	* 5149.643	43.86	RMS	34.1	-30.1	47.86	54	-6.14	-	-	224	148	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

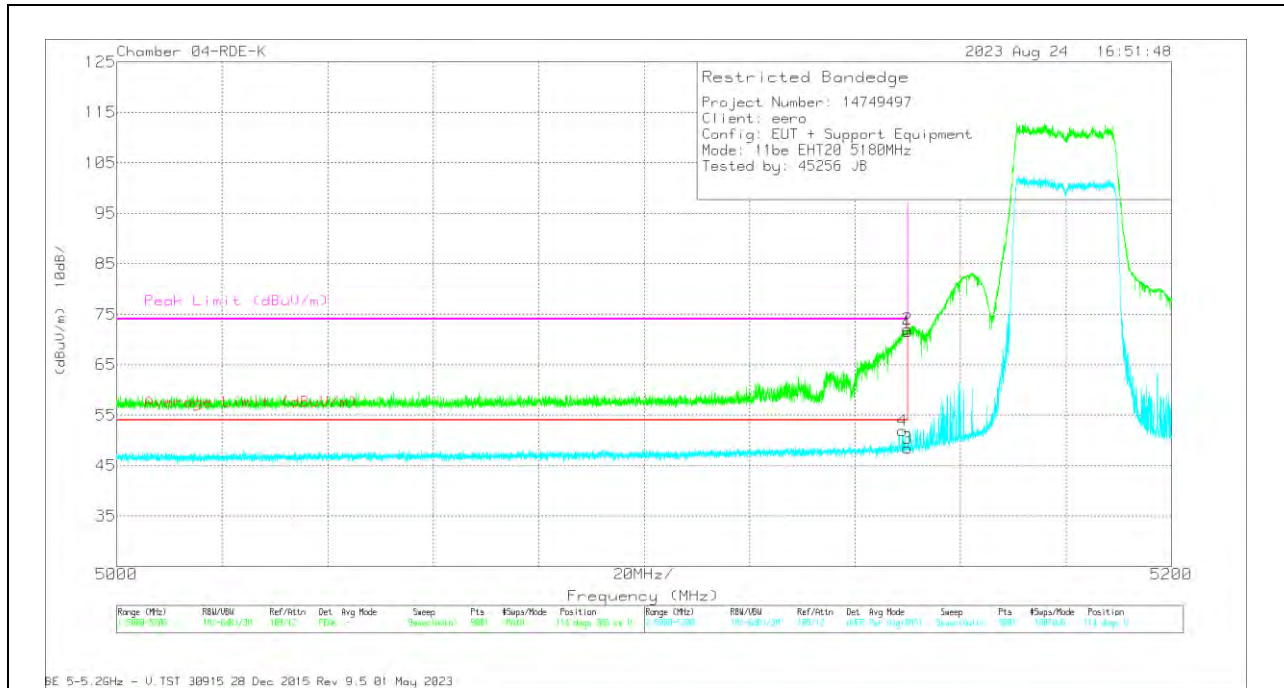


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	45.92	Pk	34.1	-7.3	72.72	-	-	74	-1.28	145	333	H
2	* 5149.843	46.45	Pk	34.1	-7.3	73.25	-	-	74	-0.75	145	333	H
3	* 5150	22.07	RMS	34.1	-7.3	48.87	54	-5.13	-	-	145	333	H
4	* 5149.487	22.25	RMS	34.1	-7.3	49.05	54	-4.95	-	-	145	333	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



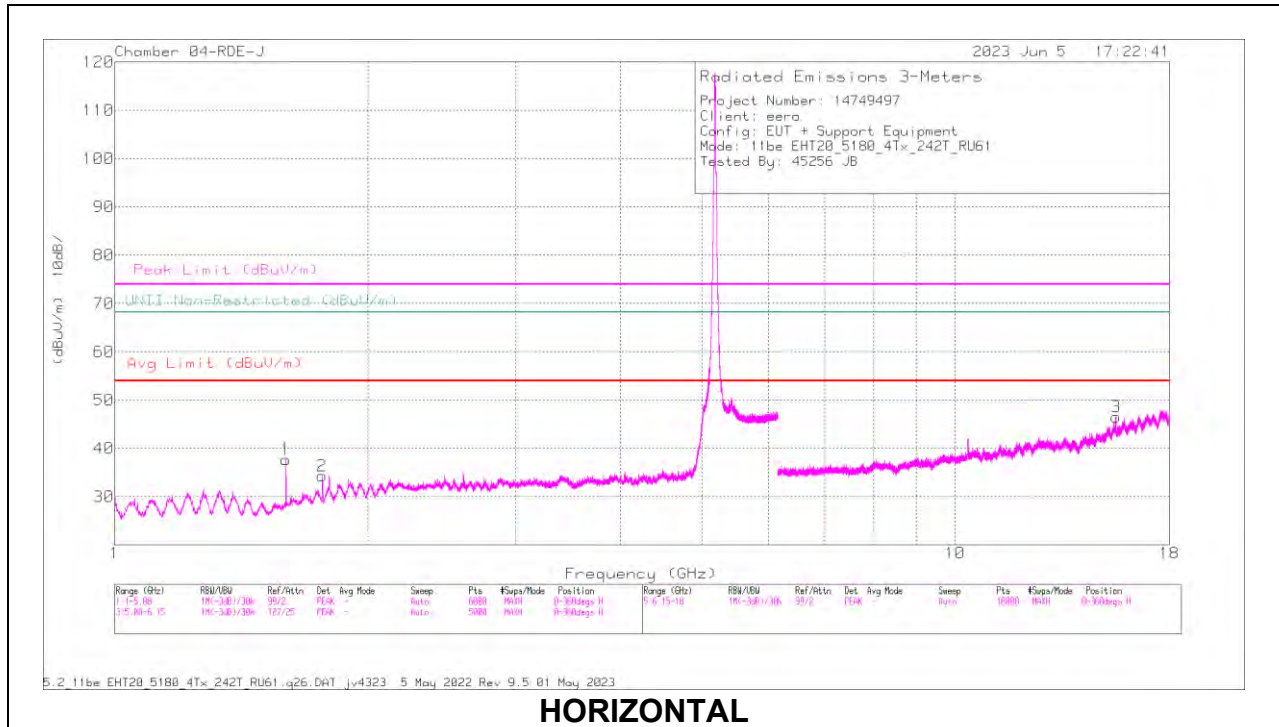
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	44.67	PK	34.1	-7.3	71.47	-	-	74	-2.53	114	386	V
2	* 5149.91	45.24	PK	34.1	-7.3	72.04	-	-	74	-1.96	114	386	V
3	* 5150	21.61	RMS	34.1	-7.3	48.41	54	-5.59	-	-	114	386	V
4	* 5148.999	25.18	RMS	34	-7.3	51.88	54	-2.12	-	-	114	386	V

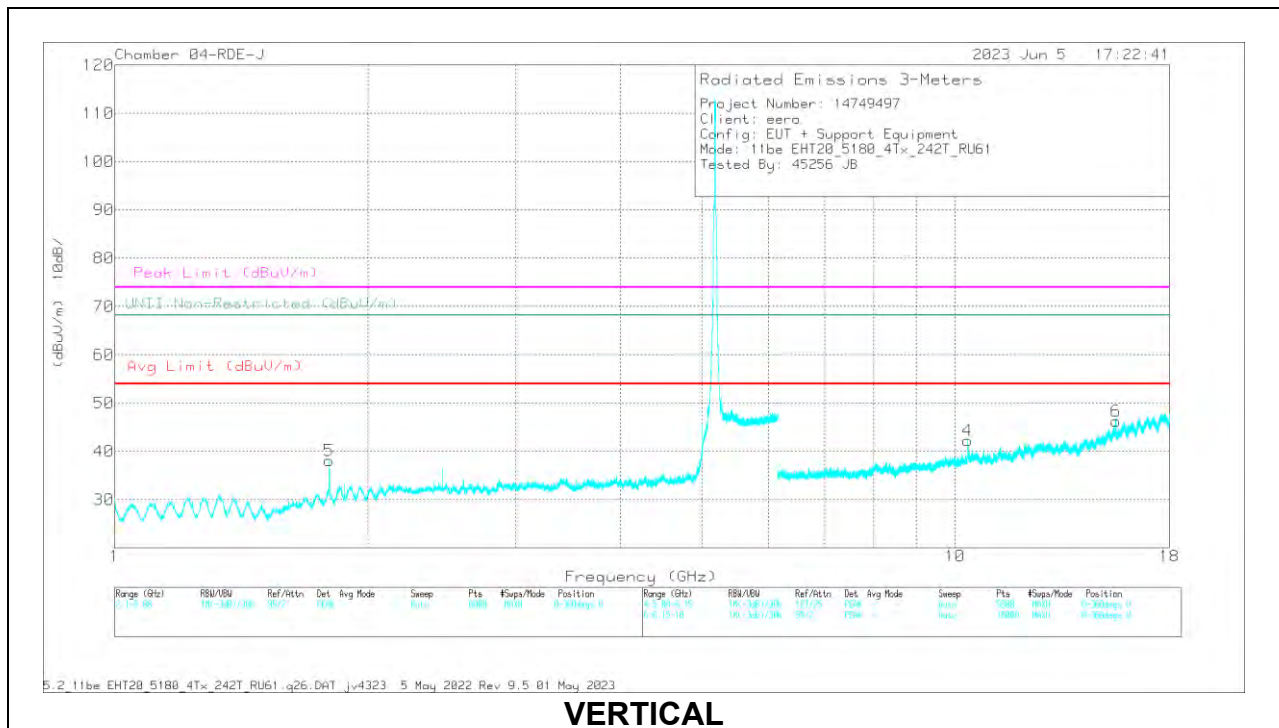
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

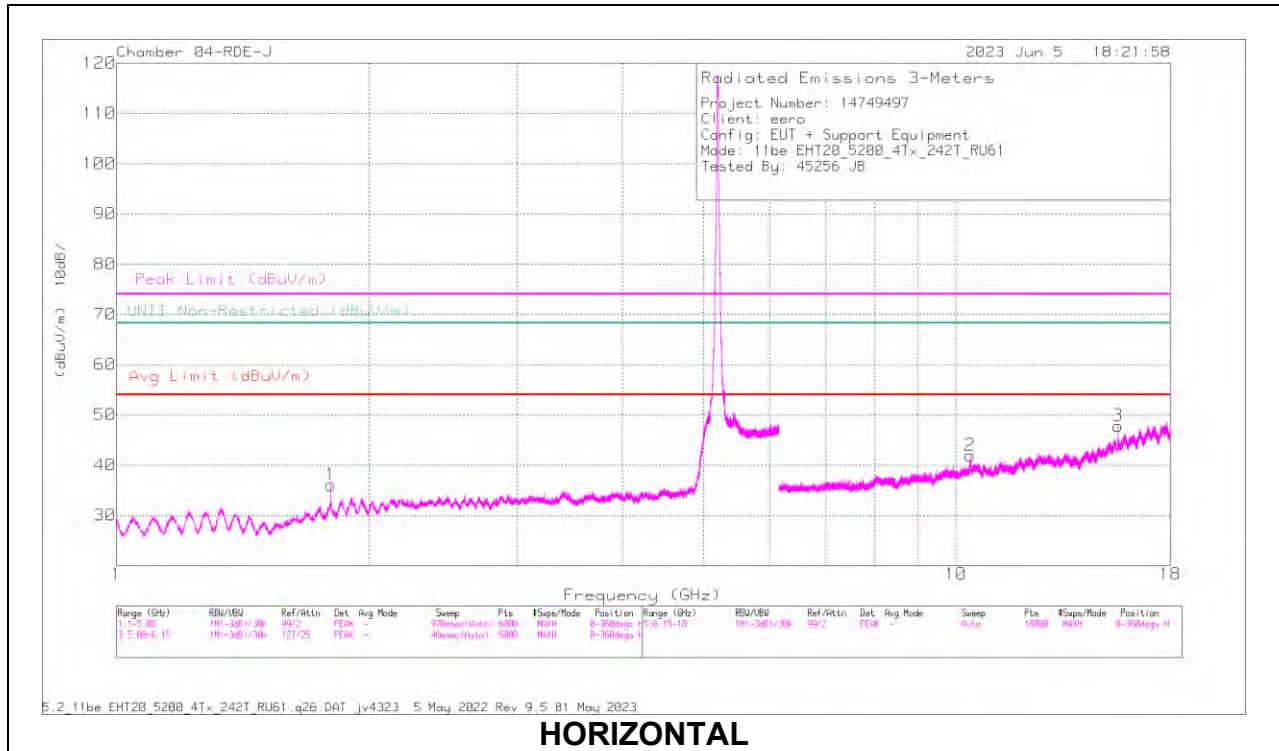
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACI(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.599906	72.91	PK-U	27.8	-47	53.71	-	-	74	-20.29	-	-	12	136	H
	* 1.600074	53.61	ADR	27.8	-47	34.41	54	-19.59	-	-	-	-	12	136	H
2	1.76663	56.44	PK-U	30.3	-46.4	40.34	-	-	-	-	68.2	-27.86	189	295	H
5	1.799896	60.88	PK-U	30.5	-46.5	44.88	-	-	-	-	68.2	-23.32	323	119	V
3	* 15.543167	59.12	PK-U	40.6	-39.8	59.92	-	-	74	-14.08	-	-	185	107	H
	* 15.542649	45.15	ADR	40.6	-39.7	46.05	54	-7.95	-	-	-	-	185	107	H
6	* 15.541376	59.26	PK-U	40.6	-39.6	60.26	-	-	74	-13.74	-	-	161	201	V
	* 15.543993	45.58	ADR	40.6	-39.7	46.48	54	-7.52	-	-	-	-	161	201	V
4	10.353506	59.51	PK-U	37.4	-40.7	56.21	-	-	-	-	68.2	-11.99	49	112	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

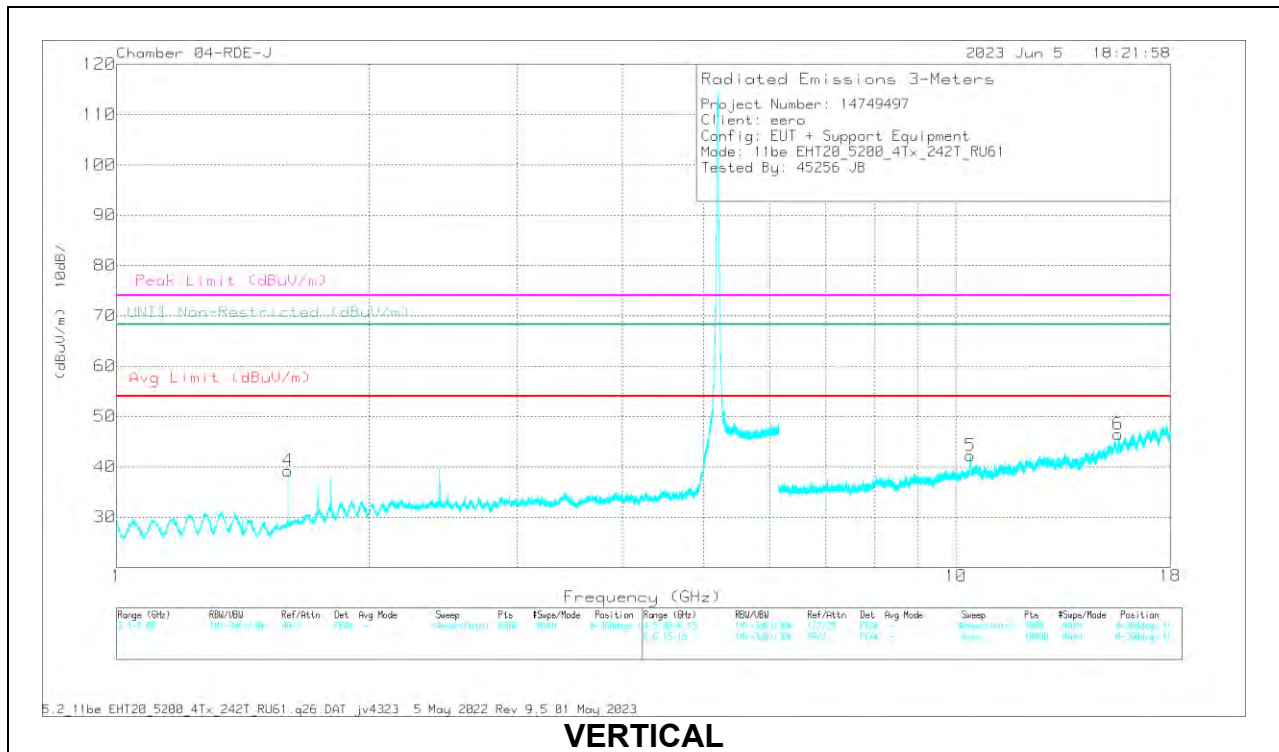
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

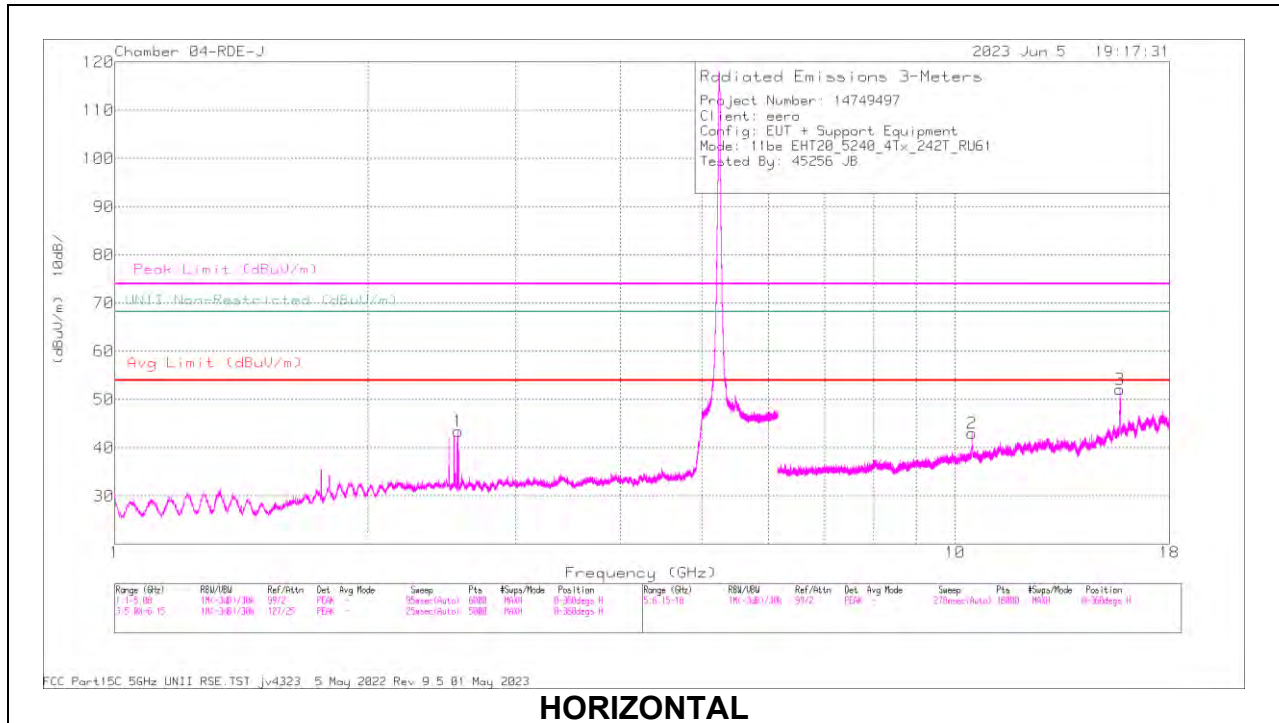
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.79932	59.87	PK-U	30.5	-46.6	43.77	-	-	-	-	68.2	-24.43	94	261	H
4	* 1.600016	69.63	PK-U	27.8	-47	50.43	-	-	74	-23.57	-	-	339	179	V
	* 1.599835	50.86	ADR	27.8	-47	31.66	54	-22.34	-	-	-	-	339	179	V
2	10.399998	56.68	PK-U	37.4	-40.9	53.18	-	-	-	-	68.2	-15.02	130	344	H
3	* 15.603077	59.79	PK-U	40.6	-40.1	60.29	-	-	74	-13.71	-	-	185	106	H
	* 15.602807	46.29	ADR	40.6	-40.1	46.79	54	-7.21	-	-	-	-	185	106	H
5	10.400509	58.59	PK-U	37.4	-40.8	55.19	-	-	-	-	68.2	-13.01	350	366	V
6	* 15.606748	55.62	PK-U	40.7	-39.9	56.42	-	-	74	-17.58	-	-	165	154	V
	* 15.605964	43.04	ADR	40.7	-40	43.74	54	-10.26	-	-	-	-	165	154	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

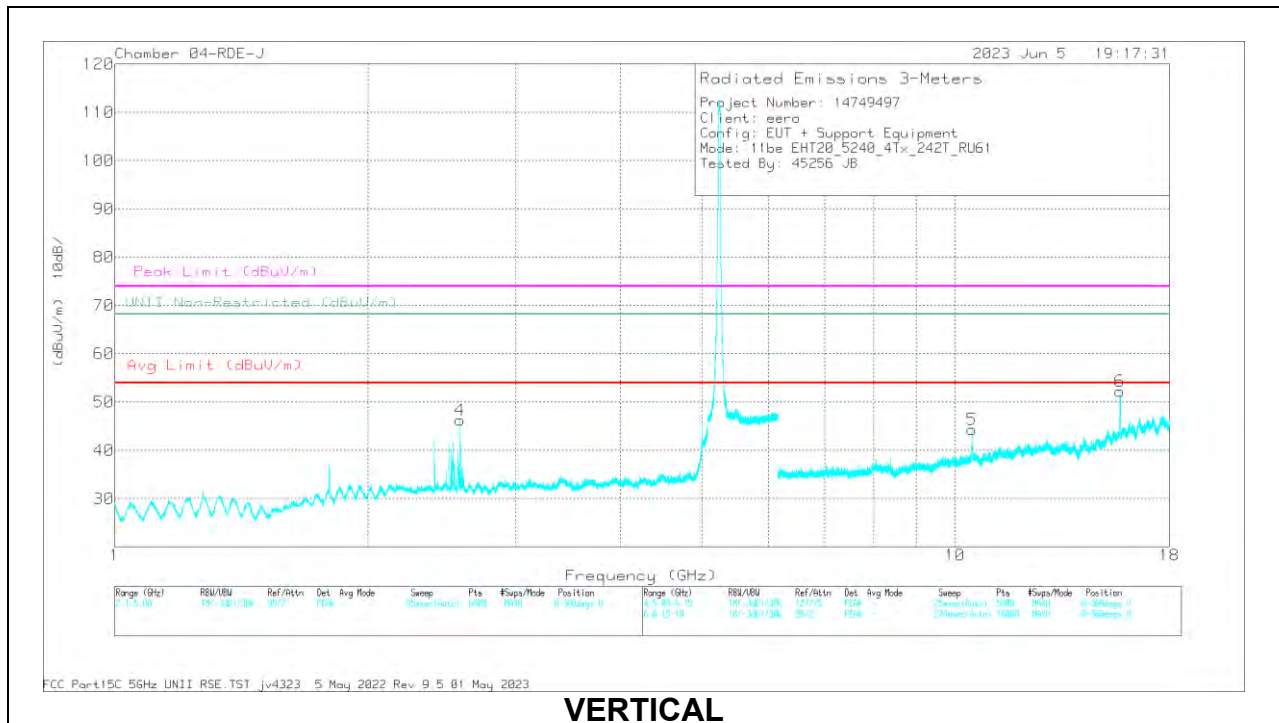
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.564446	60.14	PK-U	32.3	-46.3	46.14	-	-	-	-	68.2	-22.06	326	102	H
4	2.579384	62.08	PK-U	32.3	-46.5	47.88	-	-	-	-	68.2	-20.32	18	383	V
2	10.48003	57.06	PK-U	37.4	-40.7	53.76	-	-	-	-	68.2	-14.44	49	255	H
3	* 15.726122	64.85	PK-U	40.8	-40.9	64.75	-	-	74	-9.25	-	-	186	109	H
	* 15.726178	51.68	ADR	40.8	-40.9	51.58	54	-2.42	-	-	-	-	186	109	H
5	10.47671	58.08	PK-U	37.4	-40.8	54.68	-	-	-	-	68.2	-13.52	343	379	V
6	* 15.726181	66.61	PK-U	40.8	-40.9	66.51	-	-	74	-7.49	-	-	161	218	V
	* 15.724951	53.35	ADR	40.8	-40.9	53.25	54	-0.75	-	-	-	-	161	218	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

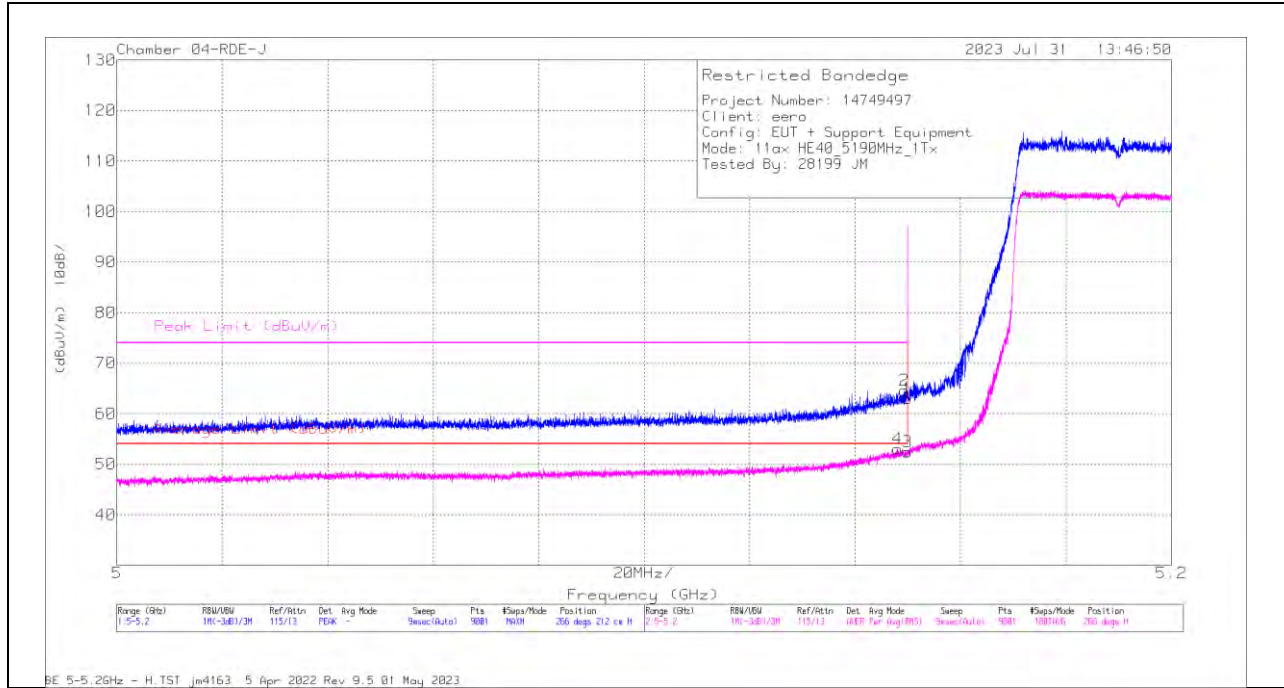
ADR - U-NII AD primary method, RMS average

10.1.3. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

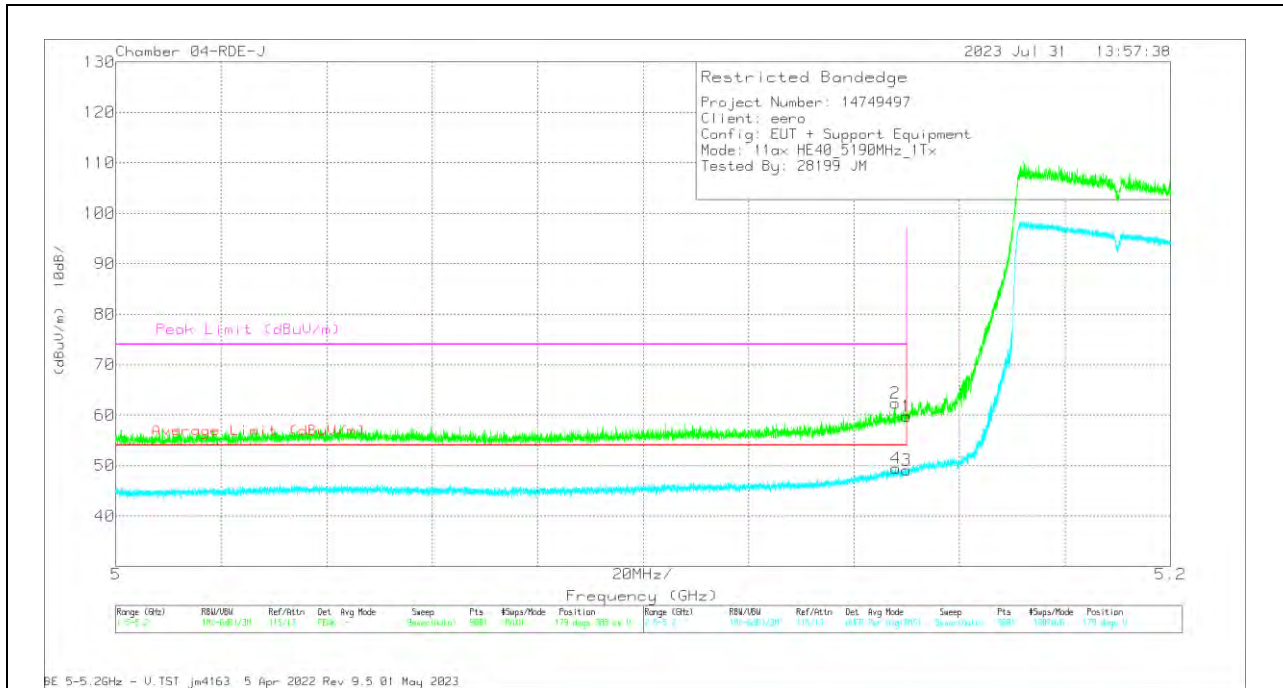
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	DCC F (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degrees)	Height (cm)	Polarity
1	5.15	42.47	Pk	34.6	-14.1	0	62.97	-	-	74	-11.03	266	212	H
2	5.149354	44.05	Pk	34.6	-14.1	0	64.55	-	-	74	-9.45	266	212	H
3	5.15	31.37	RMS	34.6	-14.1	.59	52.46	54	-1.54	-	-	266	212	H
4	5.14811	31.82	RMS	34.6	-14	.59	53.01	54	-0.99	-	-	266	212	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.23	Pk	34.6	-14.1	59.73	-	-	74	-14.27	179	388	V
2	5.147776	41.81	PK	34.6	-14	62.41	-	-	74	-11.59	179	388	V
3	5.15	28.56	RMS	34.6	-14.1	49.06	54	-4.94	-	-	179	388	V
4	5.14791	28.91	RMS	34.6	-14	49.51	54	-4.49	-	-	179	388	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

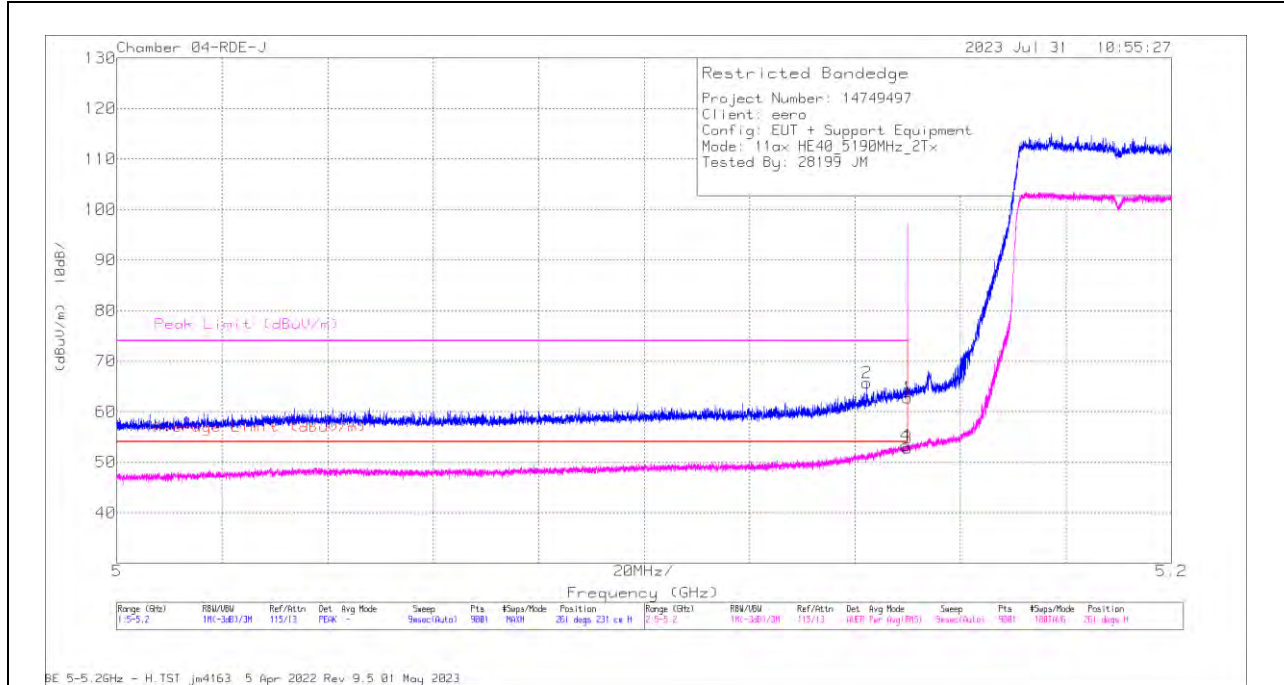
PK - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

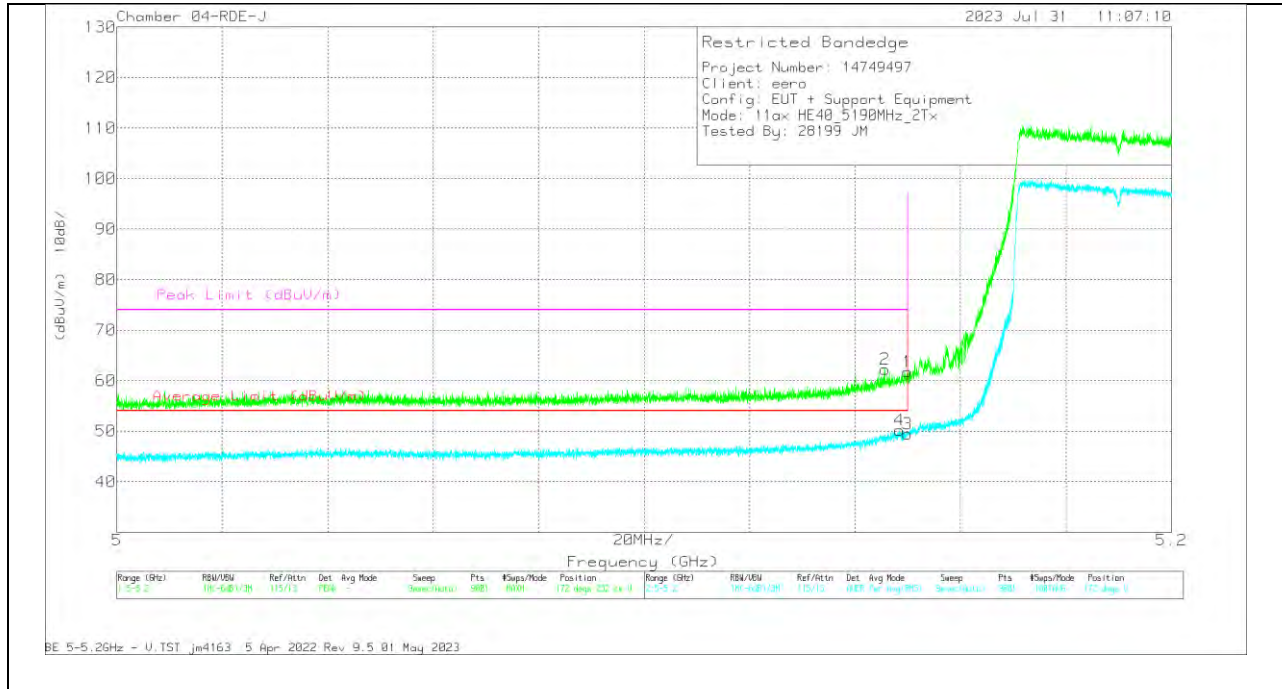


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	42.2	PK	34.6	-14.1	0	62.7	-	-	74	-11.3	261	231	H
2	5.142199	45.09	PK	34.6	-14	0	65.69	-	-	74	-8.31	261	231	H
3	5.15	31.68	RMS	34.6	-14.1	.59	52.77	54	-1.23	-	-	261	231	H
4	5.149554	32.24	RMS	34.6	-14.1	.59	53.33	54	-0.67	-	-	261	231	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

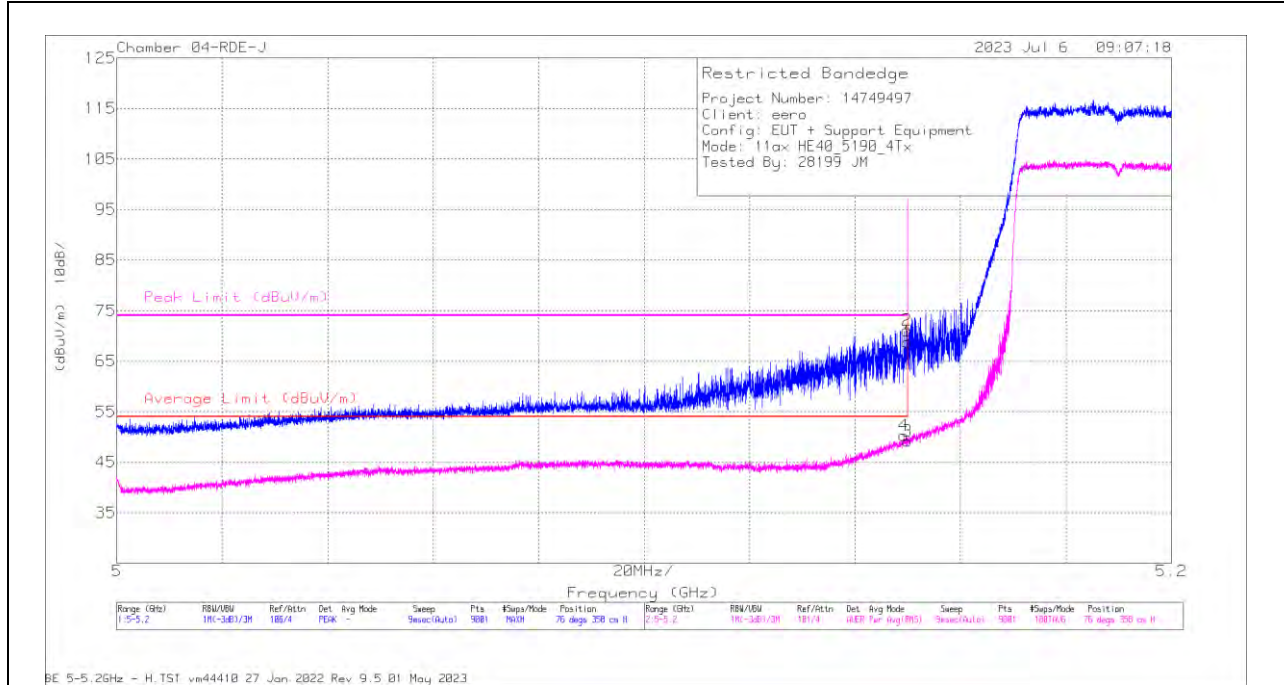
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	41.24	Pk	34.6	-14.1	61.74	-	-	74	-12.26	172	232	V
2	5.145643	41.67	Pk	34.6	-14	62.27	-	-	74	-11.73	172	232	V
3	5.15	28.95	RMS	34.6	-14.1	49.45	54	-4.55	-	-	172	232	V
4	5.148443	29.57	RMS	34.6	-14	50.17	54	-3.83	-	-	172	232	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

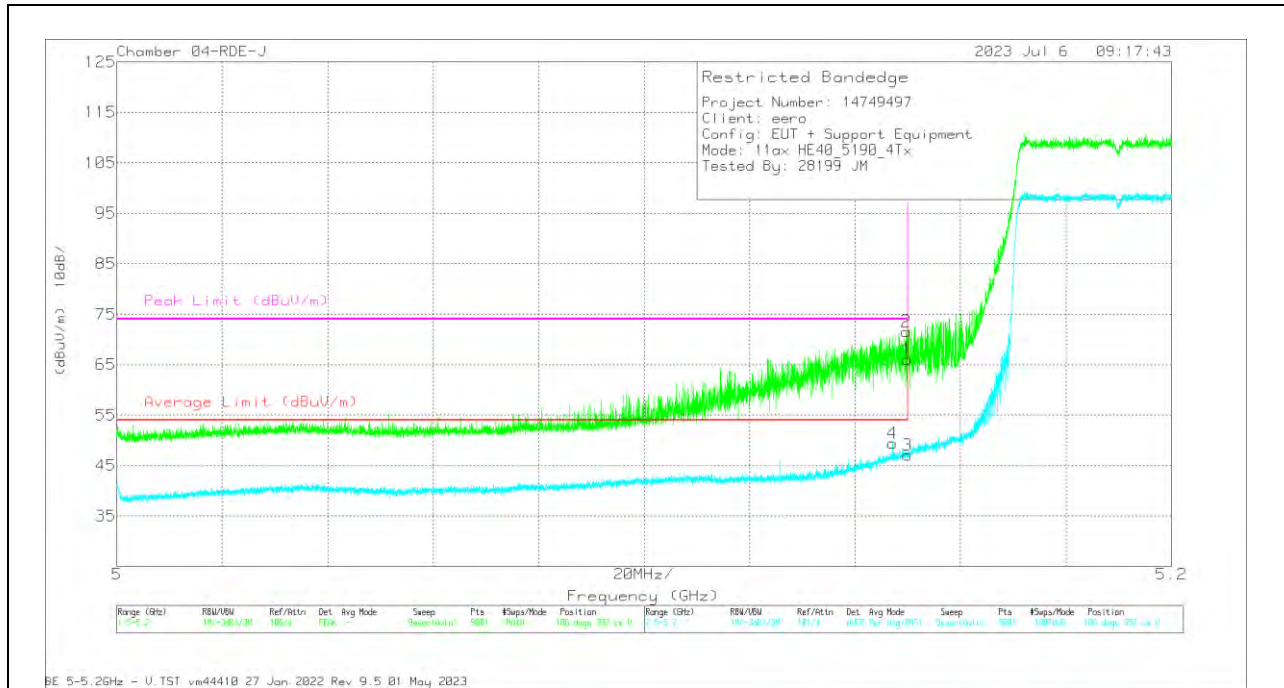


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.25	Pk	34.6	-14.1	68.75	-	-	74	-5.25	76	358	H
2	* 5.149865	50.59	Pk	34.6	-14.1	71.09	-	-	74	-2.91	76	358	H
3	* 5.15	28.69	RMS	34.6	-14.1	49.19	54	-4.81	-	-	76	358	H
4	* 5.149265	29.74	RMS	34.6	-14.1	50.24	54	-3.76	-	-	76	358	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.56	PK	34.6	-14.1	66.06	-	-	74	-7.94	186	392	V
2	* 5.14971	51.08	PK	34.6	-14.1	71.58	-	-	74	-2.42	186	392	V
3	* 5.15	26.56	RMS	34.6	-14.1	47.06	54	-6.94	-	-	186	392	V
4	* 5.147154	28.73	RMS	34.6	-13.9	49.43	54	-4.57	-	-	186	392	V

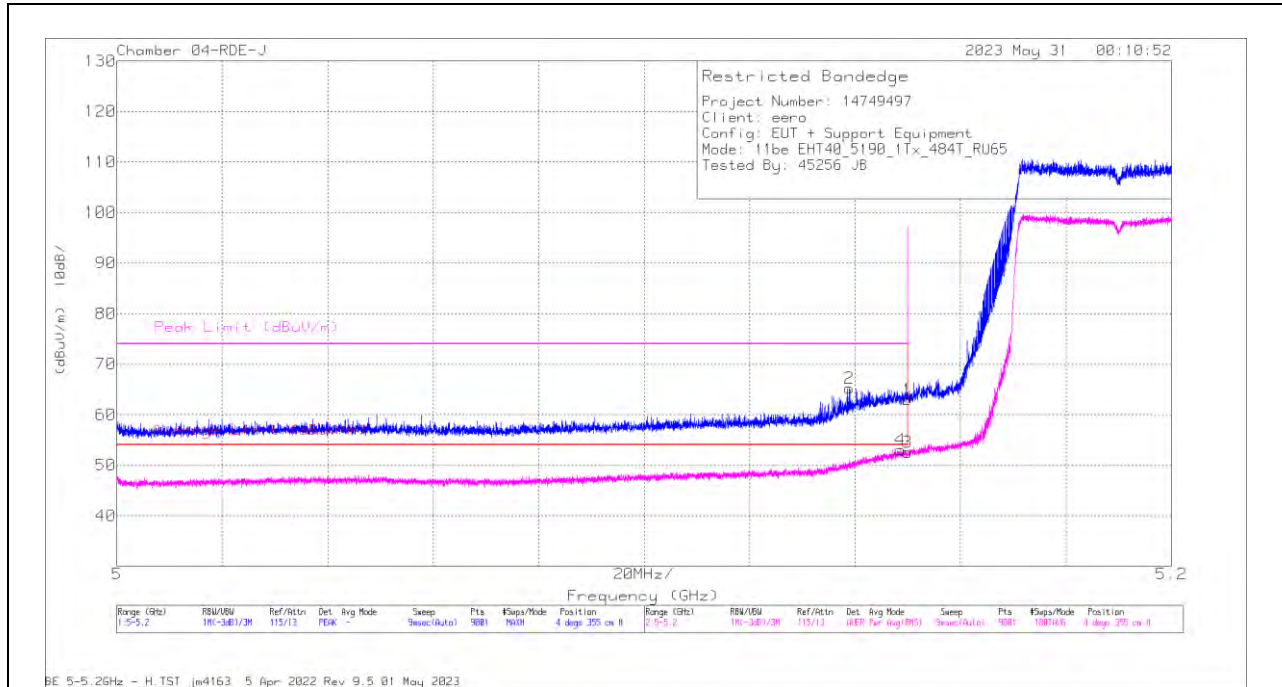
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

10.1.4. TX ABOVE 1 GHz 802.11be EHT40 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

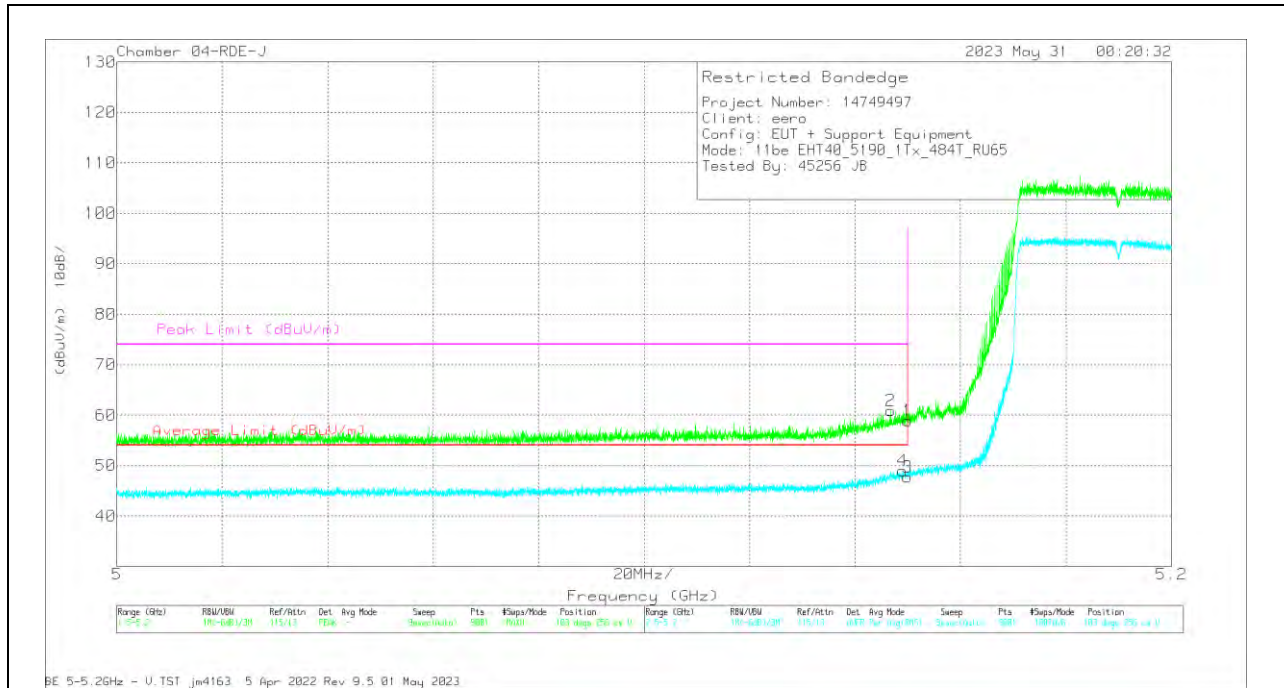
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.48	Pk	34.6	-14.1	62.98	-	-	74	-11.02	4	355	H
2	* 5.138888	44.55	Pk	34.6	-13.9	65.25	-	-	74	-8.75	4	355	H
3	* 5.15	31.52	RMS	34.6	-14.1	52.02	54	-1.98	-	-	4	355	H
4	* 5.148599	31.99	RMS	34.6	-14.1	52.49	54	-1.51	-	-	4	355	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

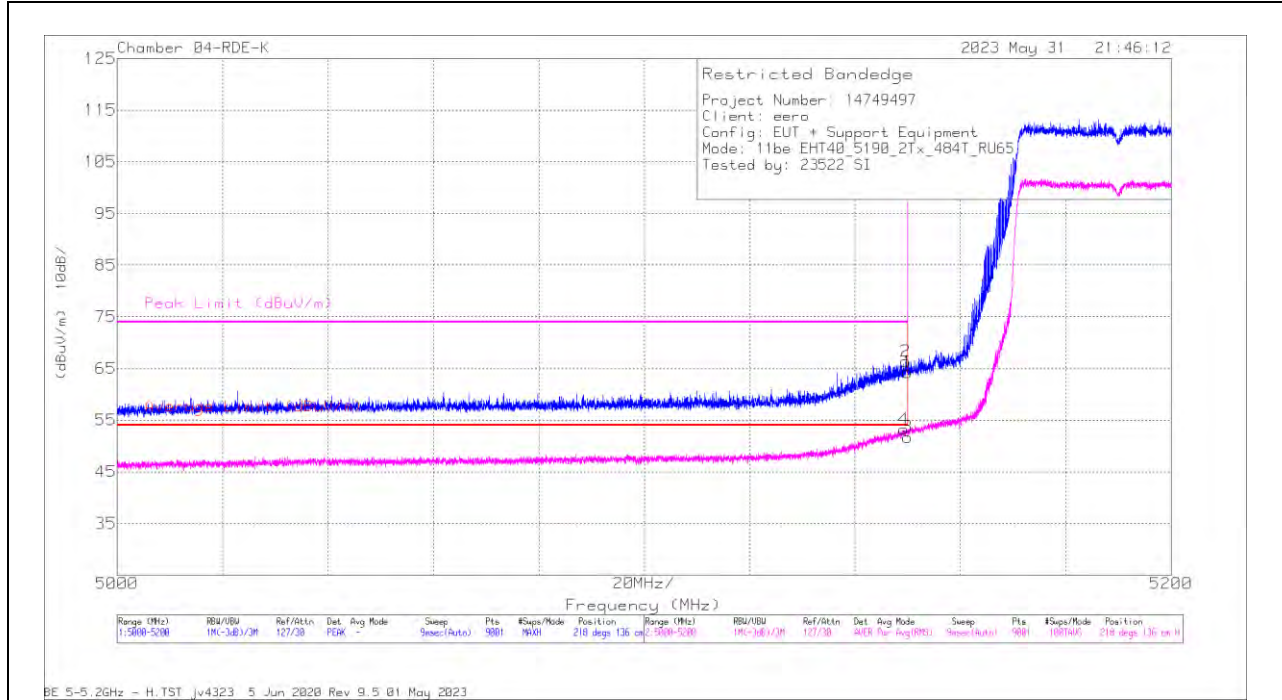
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.41	Pk	34.6	-14.1	58.91	-	-	74	-15.09	103	256	V
2	* 5.146732	40.13	Pk	34.6	-13.9	60.83	-	-	74	-13.17	103	256	V
3	* 5.15	27.16	RMS	34.6	-14.1	47.66	54	-6.34	-	-	103	256	V
4	* 5.149043	28.43	RMS	34.6	-14.1	48.93	54	-5.07	-	-	103	256	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

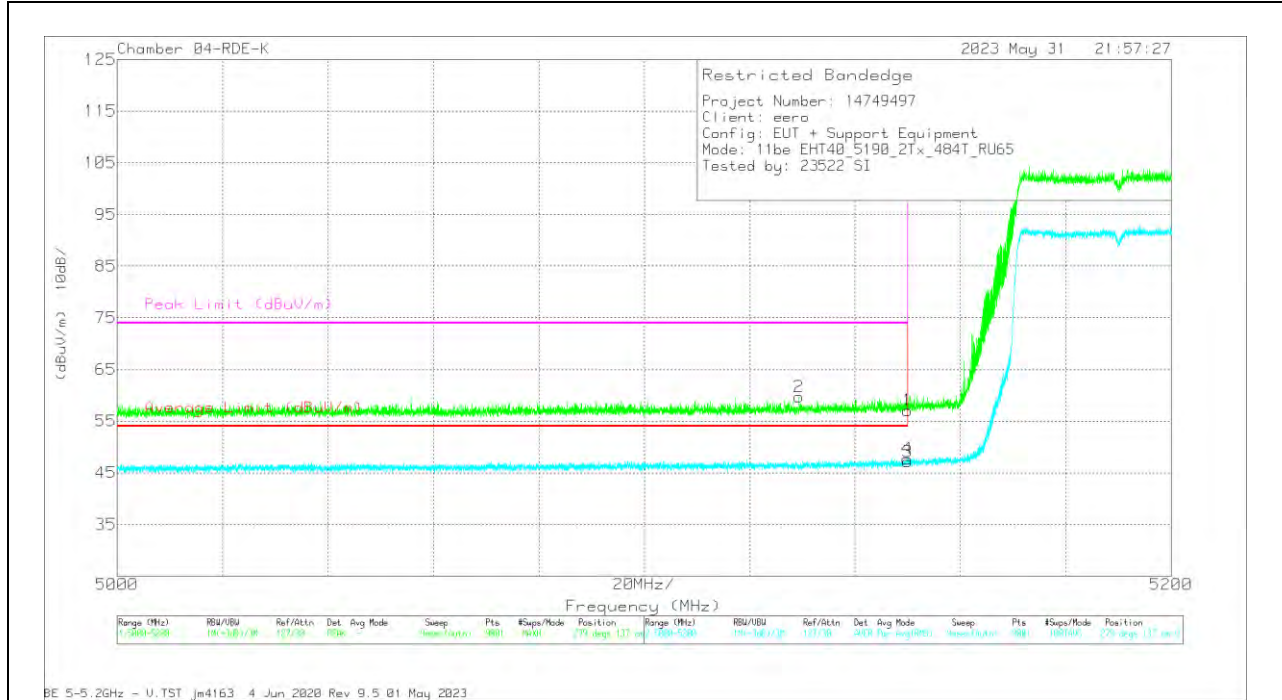


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.29	Pk	34.1	-30.1	64.29	-	-	74	-9.71	218	136	H
2	* 5149.576	62.4	Pk	34.1	-30.1	66.4	-	-	74	-7.6	218	136	H
3	* 5150	47.71	RMS	34.1	-30.1	51.71	54	-2.29	-	-	218	136	H
4	* 5149.265	49.34	RMS	34.1	-30.2	53.24	54	-7.6	-	-	218	136	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	53.05	Pk	34.1	-30.1	57.05	-	-	74	-16.95	279	137	V
2	* 5129.332	55.97	Pk	34	-30.3	59.67	-	-	74	-14.33	279	137	V
3	* 5150	43.14	RMS	34.1	-30.1	47.14	54	-6.86	-	-	279	137	V
4	* 5149.887	43.69	RMS	34.1	-30.1	47.69	54	-6.31	-	-	279	137	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

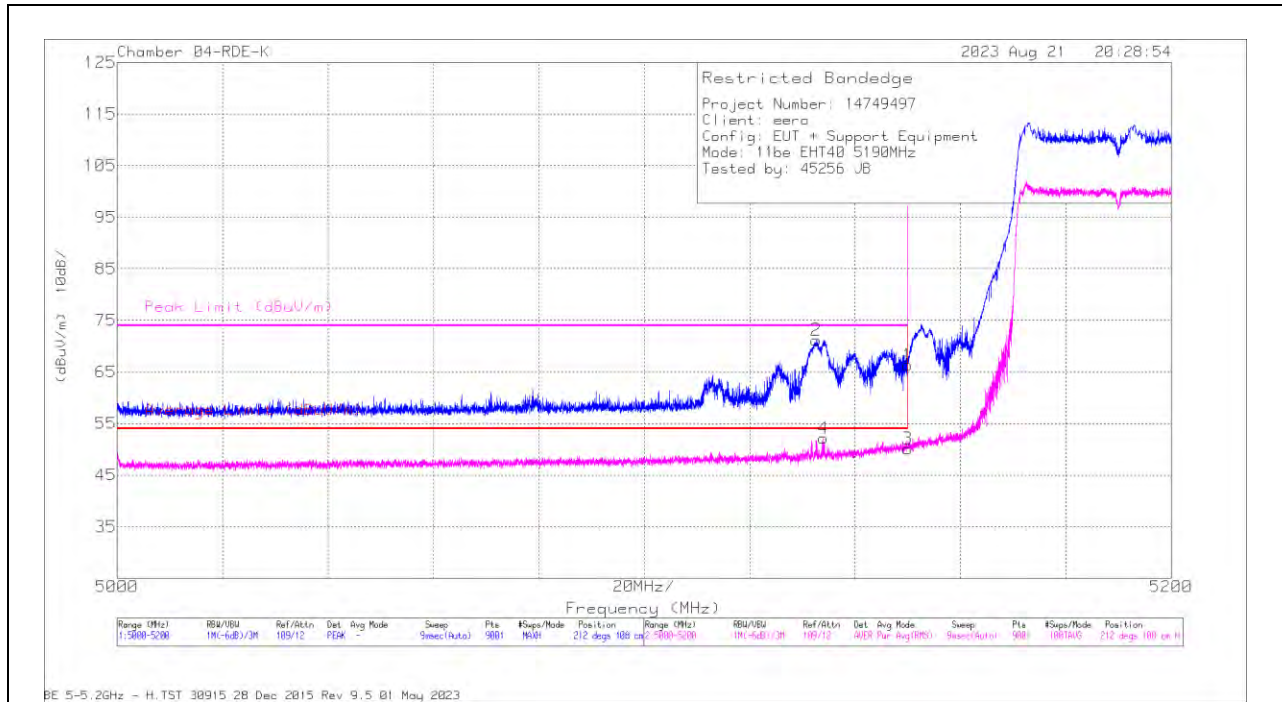
Pk - Peak detector

RMS - RMS detection

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

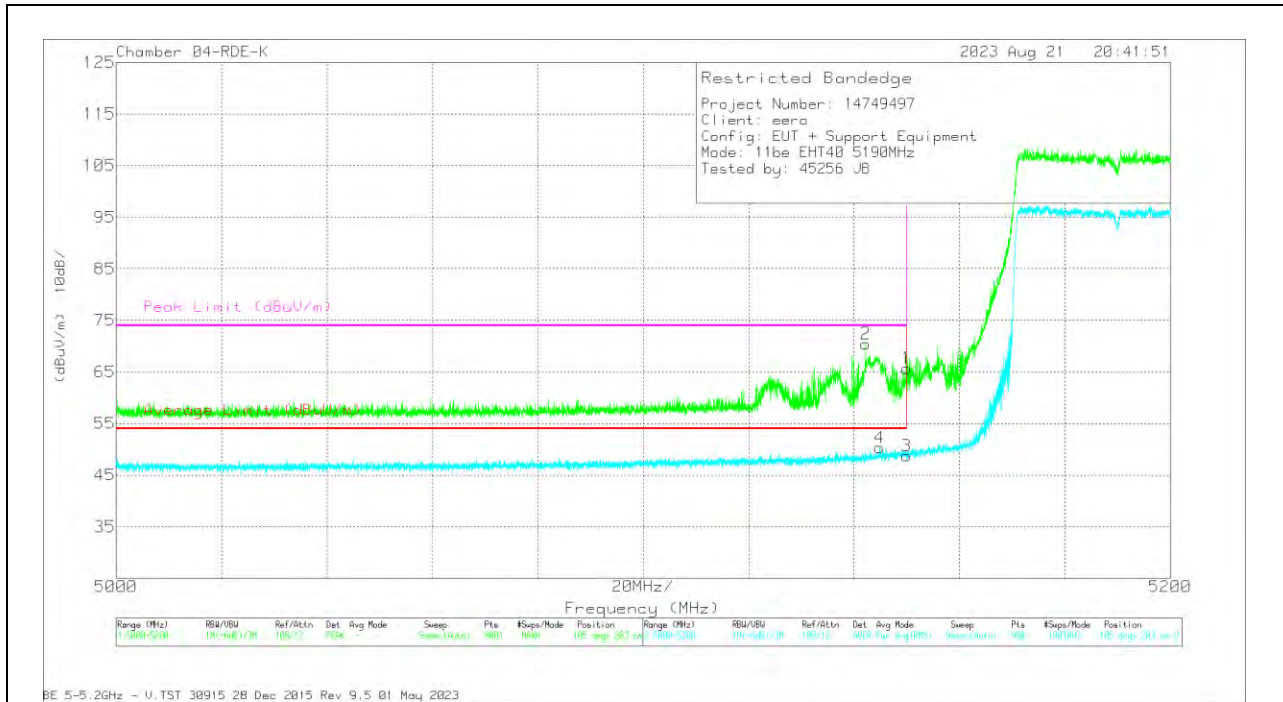


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	39.55	Pk	34.1	-7.3	66.35	-	-	74	-7.65	212	108	H
2	* 5132.621	44.37	Pk	34	-7.2	71.17	-	-	74	-2.83	212	108	H
3	* 5150	23.31	RMS	34.1	-7.3	50.11	54	-3.89	-	-	212	108	H
4	* 5133.976	25.33	RMS	34	-7.2	52.13	54	-1.87	-	-	212	108	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



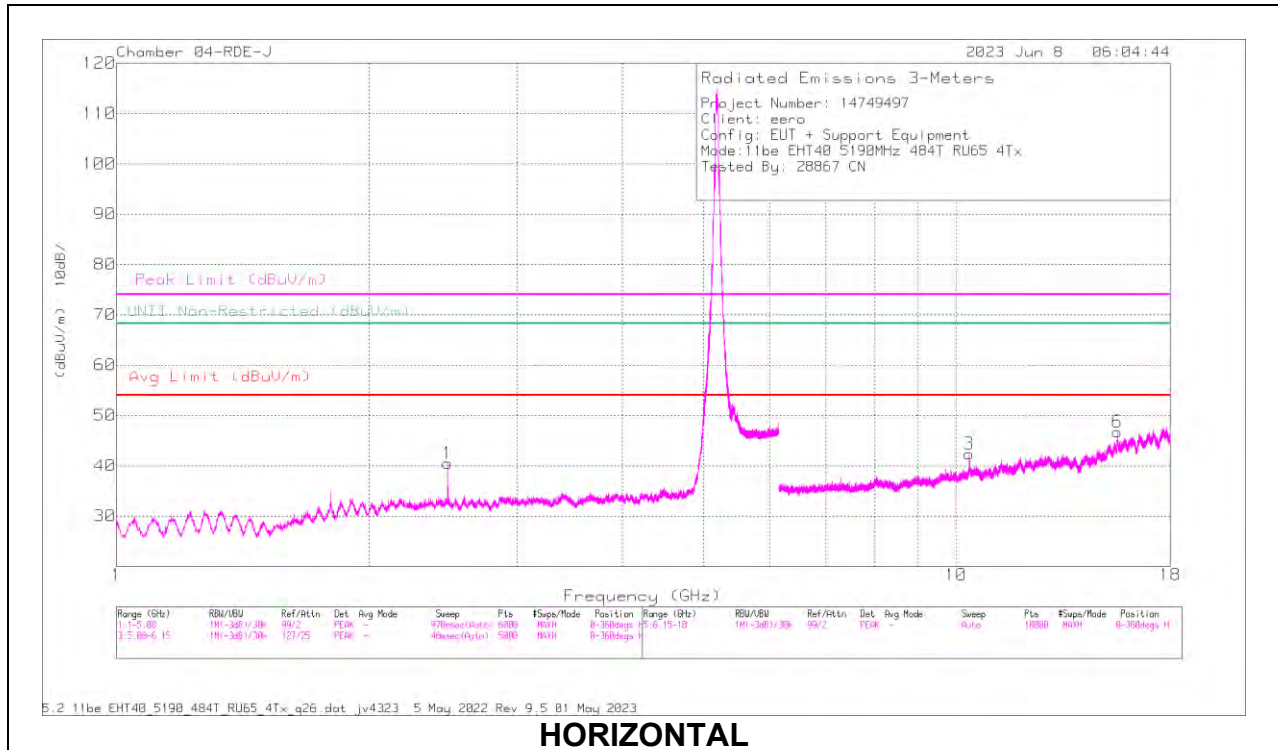
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	38.91	Pk	34.1	-7.3	65.71	-	-	74	-8.29	105	283	V
2	* 5142.176	43.64	Pk	34	-7.2	70.44	-	-	74	-3.56	105	283	V
3	* 5150	21.91	RMS	34.1	-7.3	48.71	54	-5.29	-	-	105	283	V
4	* 5144.821	23.62	RMS	34	-7.3	50.32	54	-3.68	-	-	105	283	V

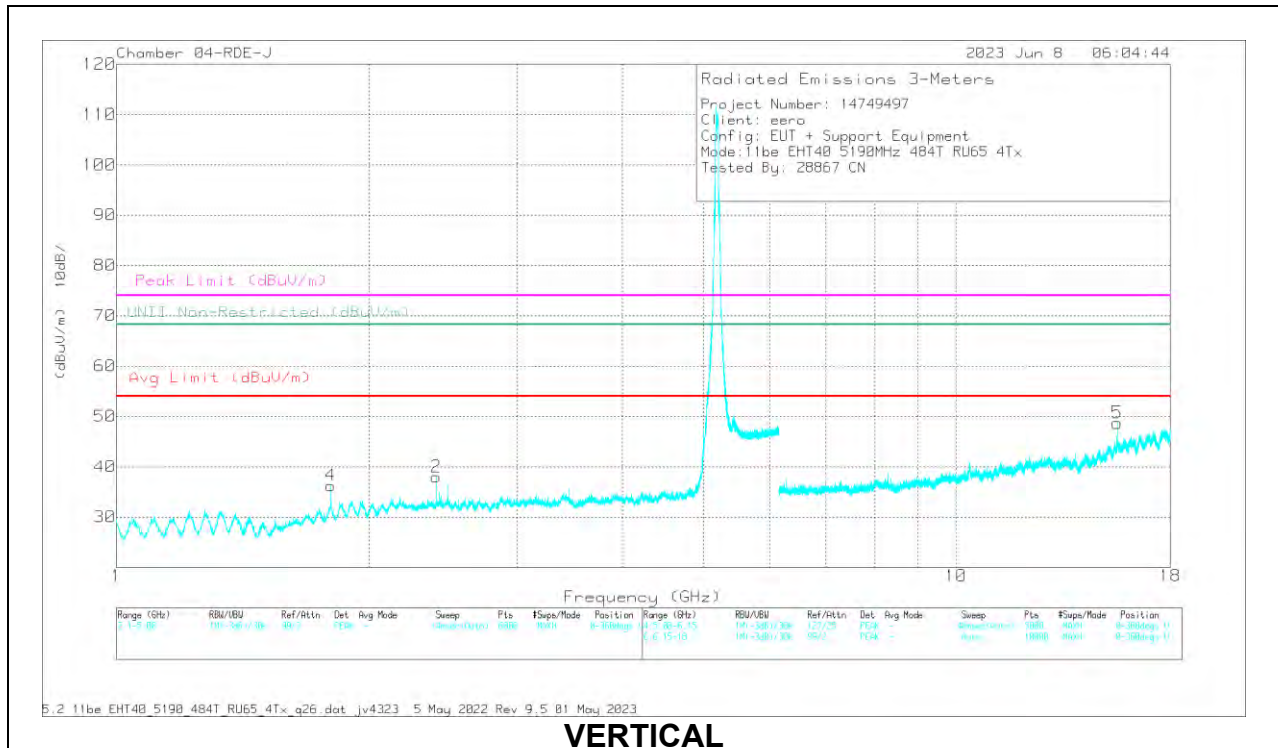
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

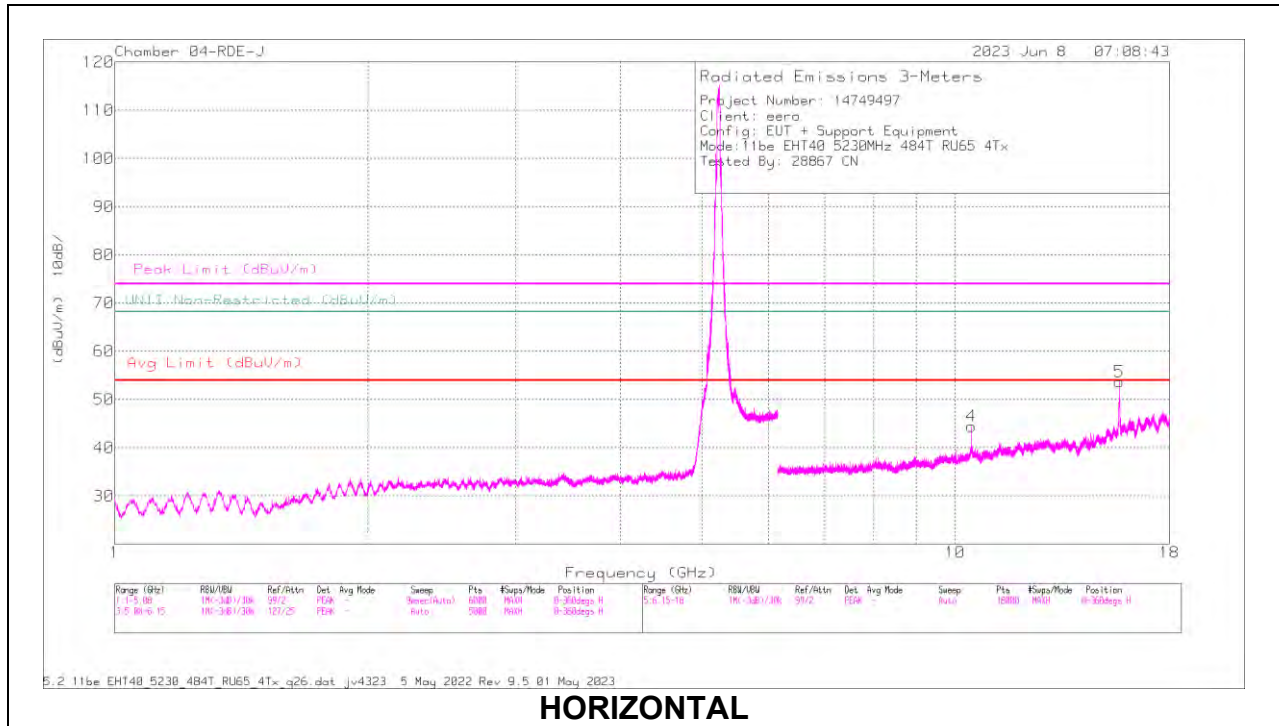
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.481738	57.78	PK-U	32.2	-46.3	43.68	-	-	-	-	68.2	-24.52	312	395	H
2	2.400632	57.56	PK-U	32	-46.6	42.96	-	-	-	-	68.2	-25.24	296	316	V
4	1.799735	61.29	PK-U	30.5	-46.5	45.29	-	-	-	-	68.2	-22.91	5	173	V
3	10.367436	54.05	PK-U	37.4	-40.7	50.75	-	-	-	-	68.2	-17.45	40	128	H
6	* 15.571375	58.77	PK-U	40.6	-40.3	59.07	-	-	74	-14.93	-	-	192	101	H
	* 15.573882	45.69	ADR	40.6	-40.2	46.09	54	-7.91	-	-	-	-	192	101	H
5	* 15.565818	56.66	PK-U	40.6	-40.1	57.16	-	-	74	-16.84	-	-	191	203	V
	* 15.562912	44.69	ADR	40.6	-40.2	45.09	54	-8.91	-	-	-	-	191	203	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

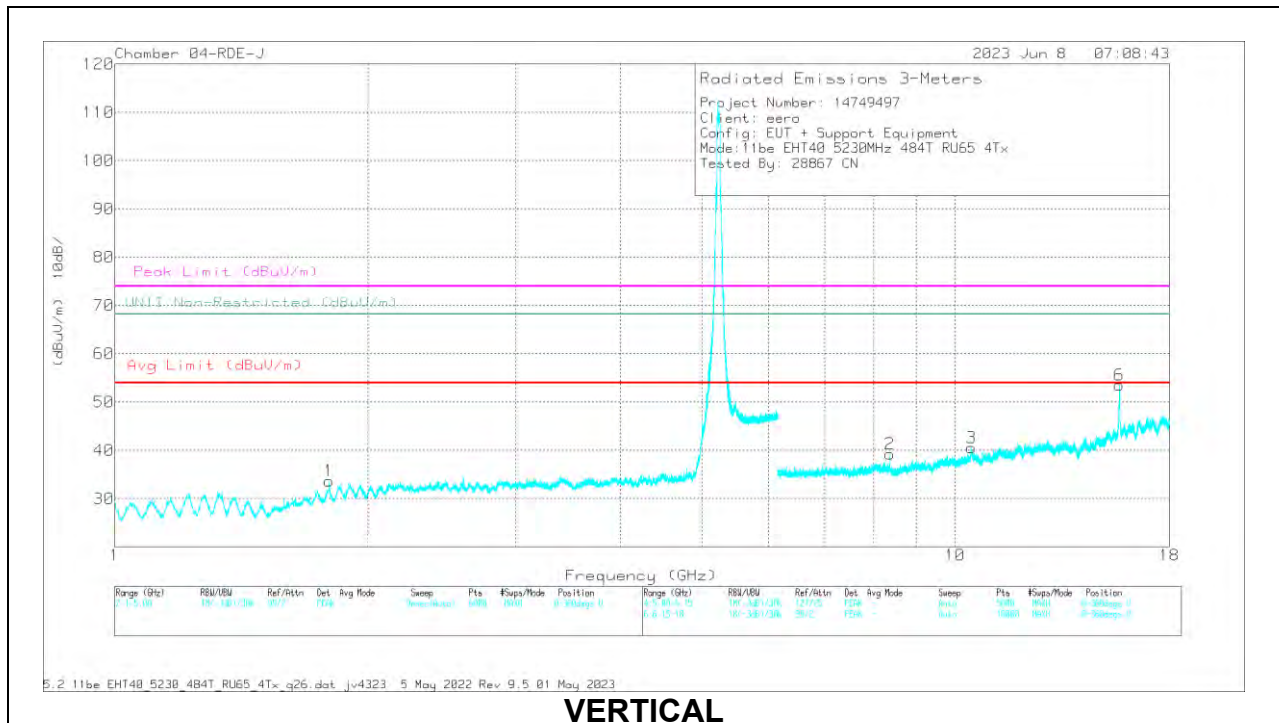
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.800139	61.7	PK-U	30.5	-46.5	45.7	-	-	-	-	68.2	-22.5	21	205	V
4	10.458974	53.94	PK-U	37.4	-40.9	50.44	-	-	-	-	68.2	-17.76	328	170	H
5	* 15.888086	61.94	PK-U	40.8	-40.8	61.94	-	-	74	-12.06	-	-	190	113	H
	* 15.888677	49.86	ADR	40.8	-40.7	49.96	54	-4.04	-	-	-	-	190	113	H
2	* 8.368115	54	PK-U	35.8	-40.8	49	-	-	74	-25	-	-	5	126	V
	* 8.367846	44.72	ADR	35.8	-40.8	39.72	54	-14.28	-	-	-	-	5	126	V
3	10.468389	56.57	PK-U	37.4	-40.8	53.17	-	-	-	-	68.2	-15.03	348	229	V
6	* 15.683977	64.94	PK-U	40.8	-40.6	65.14	-	-	74	-8.86	-	-	167	212	V
	* 15.685323	51.51	ADR	40.8	-40.7	51.61	54	-2.39	-	-	-	-	167	212	V

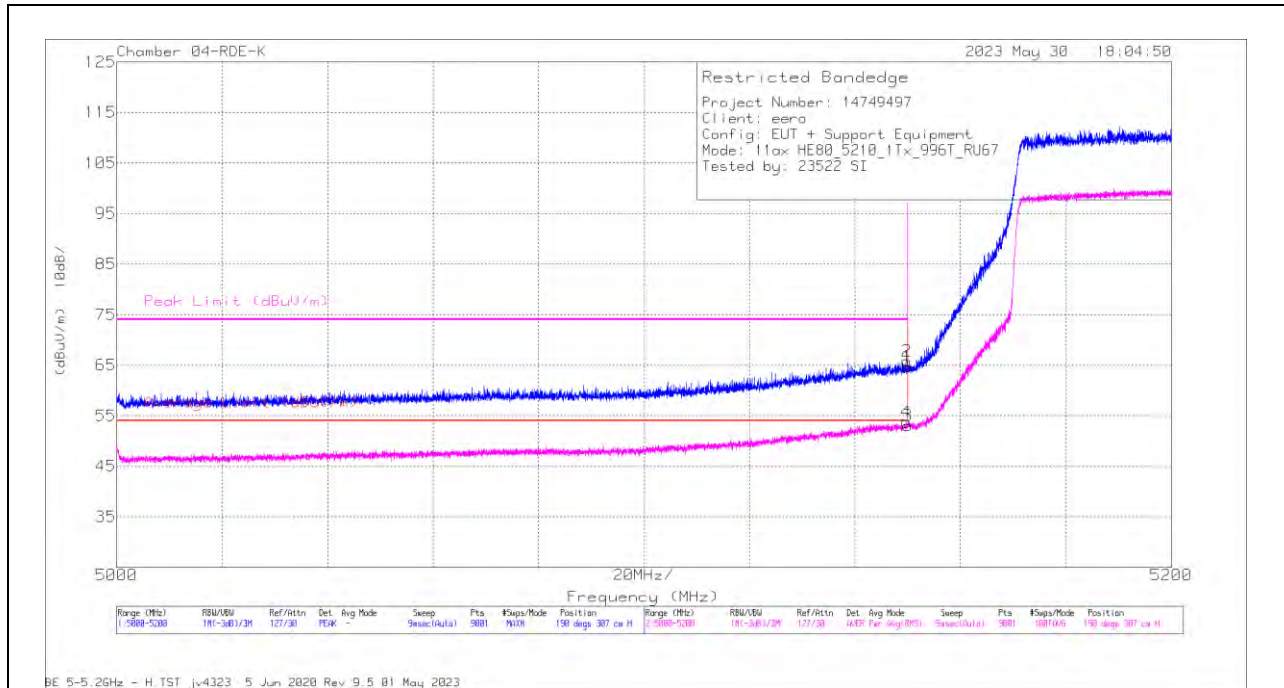
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.5. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

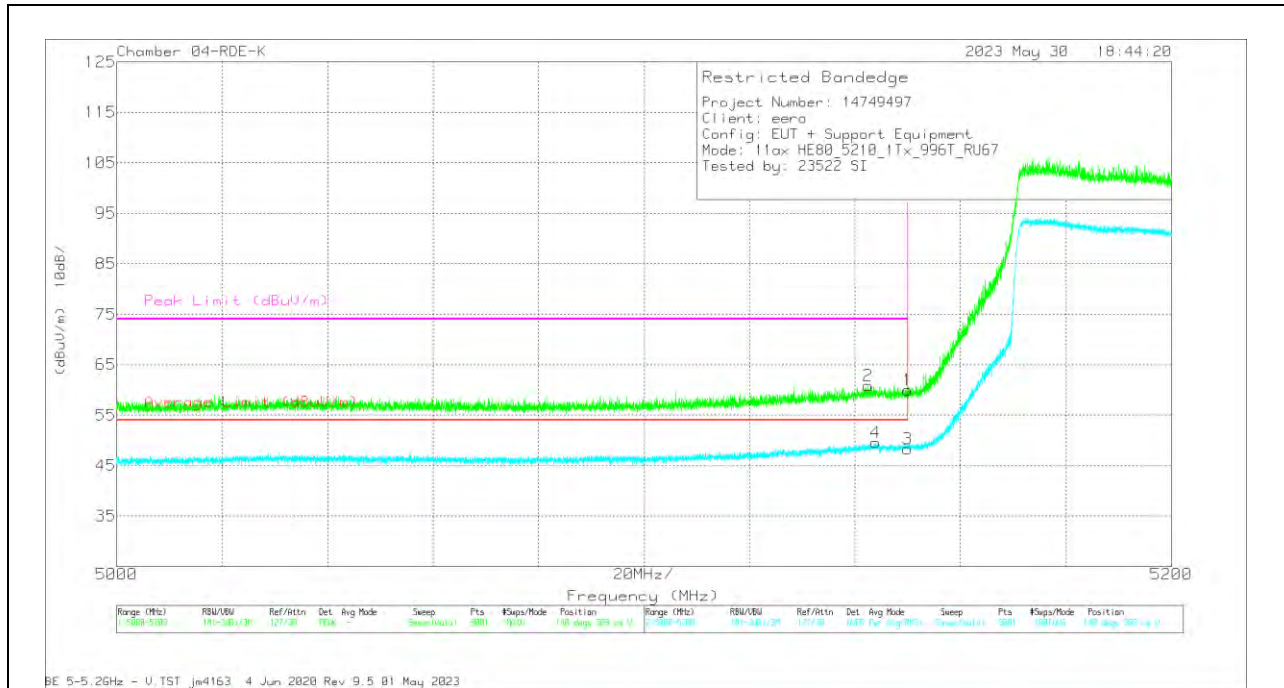


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.66	Pk	34.1	-30.1	64.66	-	-	74	-9.34	190	307	H
2	* 5149.865	61.79	Pk	34.1	-30.1	65.79	-	-	74	-8.21	190	307	H
3	* 5150	49.06	RMS	34.1	-30.1	53.06	54	-94	-	-	190	307	H
4	* 5149.732	49.71	RMS	34.1	-30.1	53.71	54	-29	-	-	190	307	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

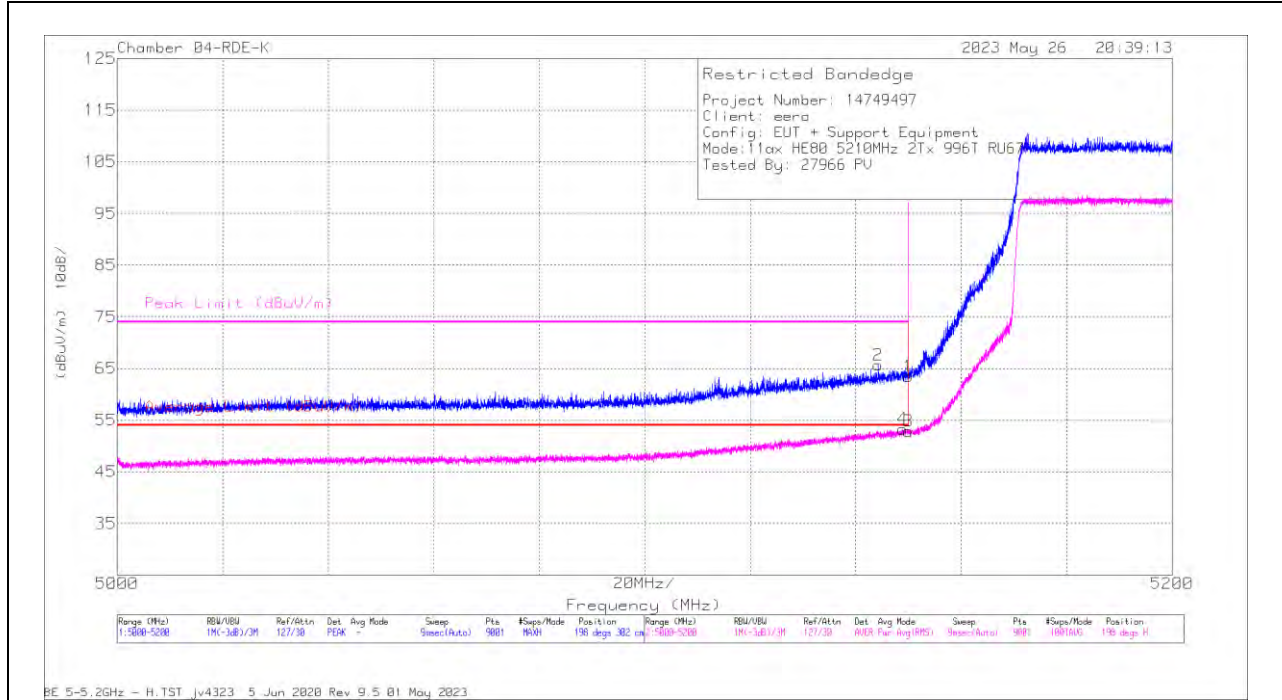
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.92	Pk	34.1	-30.1	59.92	-	-	74	-14.08	140	309	V
2	* 5142.465	57.03	Pk	34	-30.2	60.83	-	-	74	-13.17	140	309	V
3	* 5150	44.34	RMS	34.1	-30.1	48.34	54	-5.66	-	-	140	309	V
4	* 5143.887	45.67	RMS	34	-30.1	49.57	54	-4.43	-	-	140	309	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

2TX Antenna 6 + Antenna 4 CDD OFDMA MODE: 996-Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

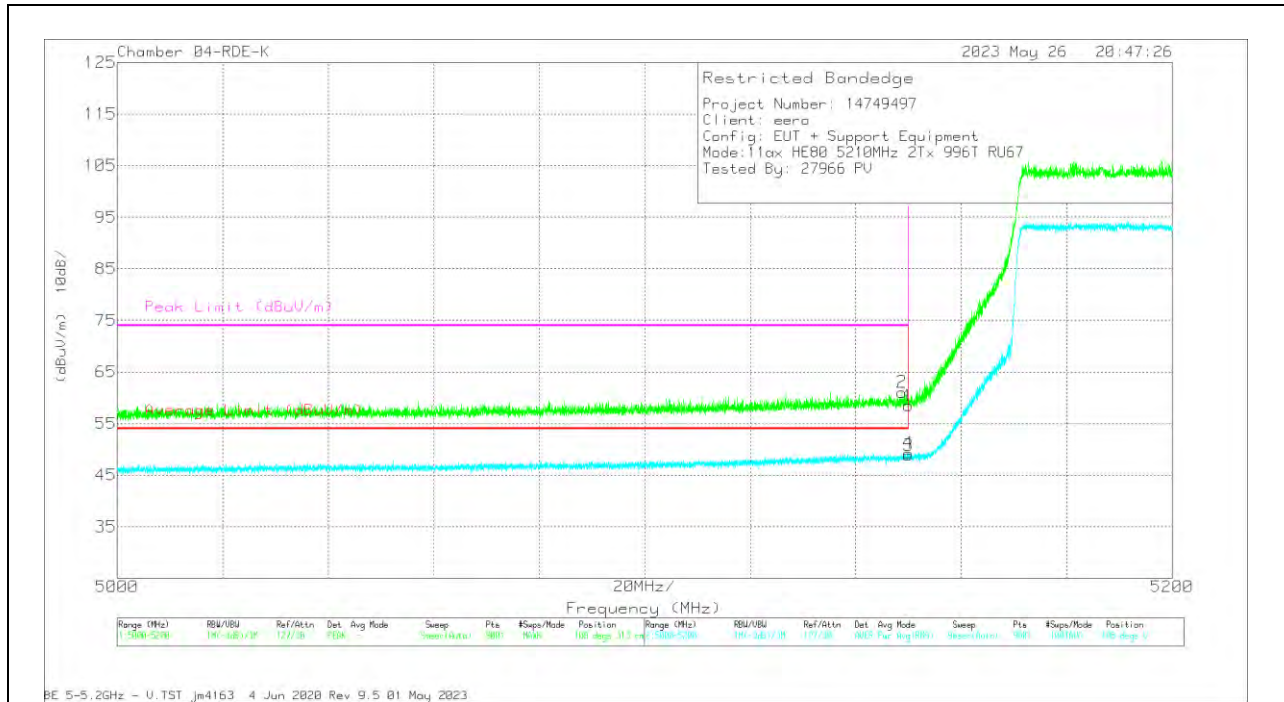


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	59.48	Pk	34.1	-30.1	63.48	-	-	74	-10.52	198	302	H
2	* 5144.221	61.77	Pk	34	-30.1	65.67	-	-	74	-8.33	198	302	H
3	* 5150	48.84	RMS	34.1	-30.1	52.84	54	-1.16	-	-	198	302	H
4	* 5148.887	49.45	RMS	34	-30.2	53.25	54	-0.75	-	-	198	302	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

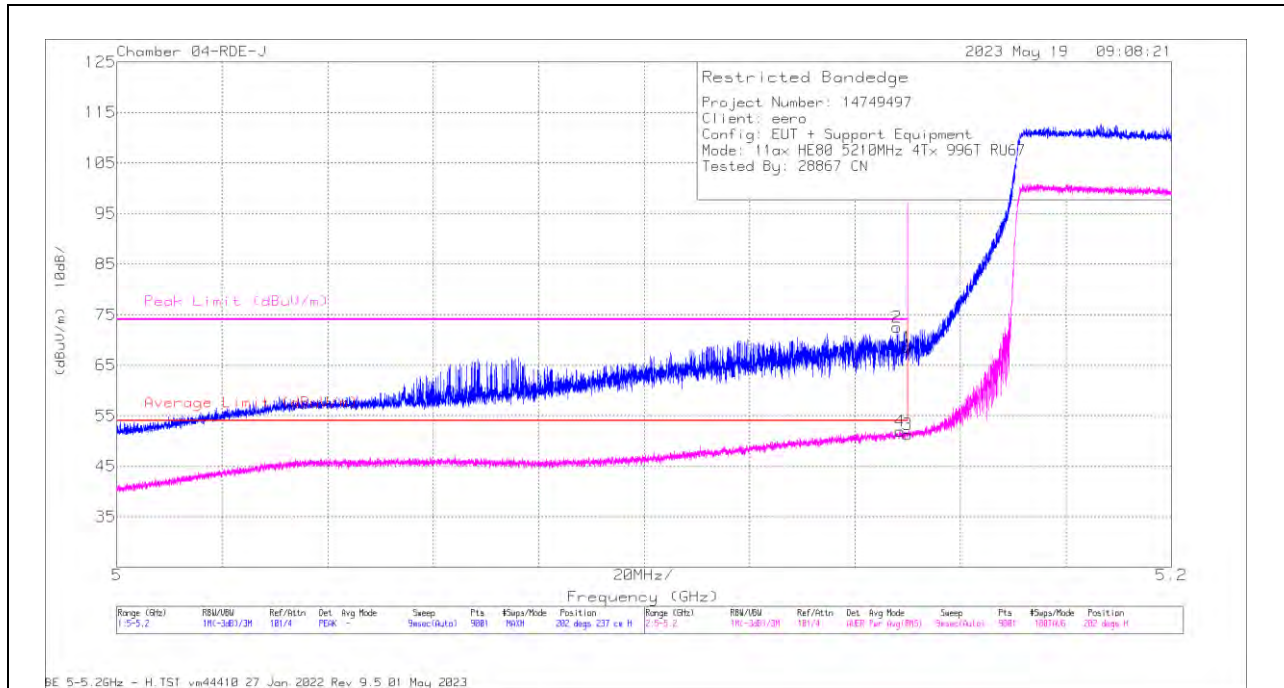
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	54.46	Pk	34.1	-30.1	58.46	-	-	74	-15.54	108	313	V
2	* 5148.776	57.28	PK	34	-30.2	61.08	-	-	74	-12.92	108	313	V
3	* 5150	44.86	RMS	34.1	-30.1	48.86	54	-5.14	-	-	108	313	V
4	* 5149.976	45.27	RMS	34.1	-30.1	49.27	54	-4.73	-	-	108	313	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

4TX Antenna 6 + Antenna 4 + Antenna 9 + Antenna 1 CDD OFDMA MODE: 996-Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

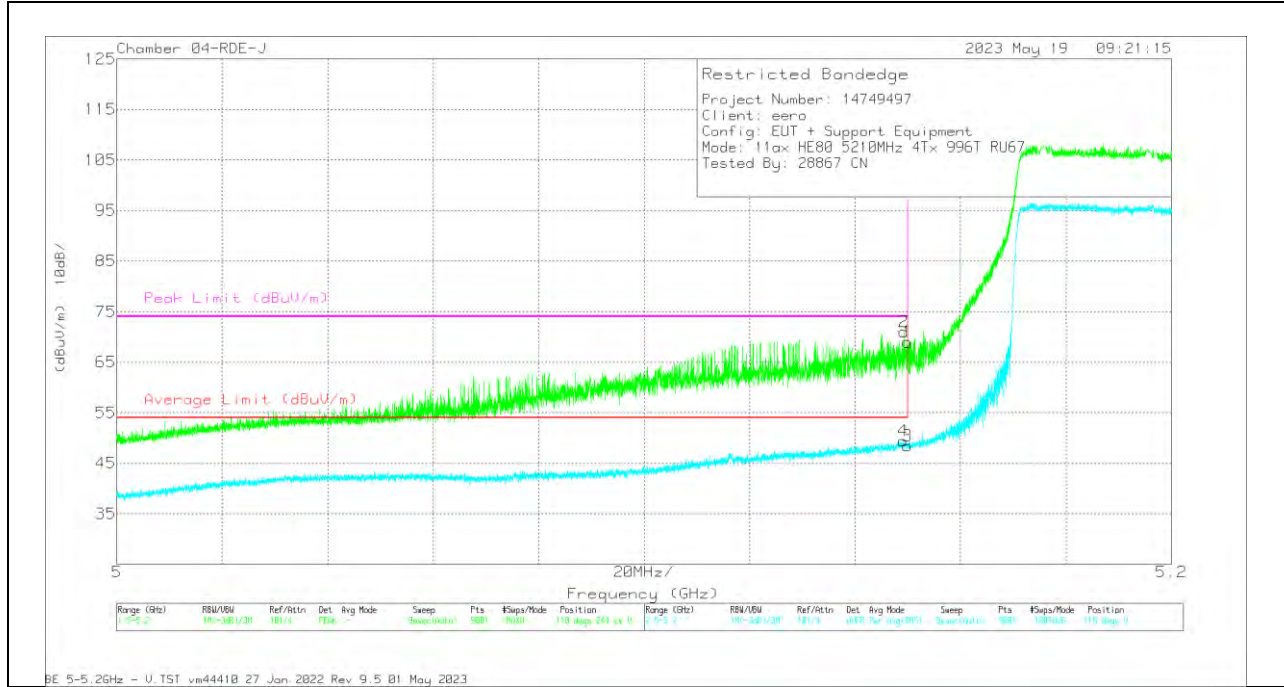


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.44	PK	34.6	-14.5	68.54	-	-	74	-5.46	202	237	H
2	* 5.147999	52.35	PK	34.6	-14.4	72.55	-	-	74	-1.45	202	237	H
3	* 5.15	31.17	RMS	34.6	-14.5	51.27	54	-2.73	-	-	202	237	H
4	* 5.148554	31.74	RMS	34.6	-14.4	51.94	54	-2.06	-	-	202	237	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) - 3mH	Amp/Cbl/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.88	PK	34.6	-14.5	68.98	-	-	74	-5.02	118	244	V
2	* 5.149287	50.77	PK	34.6	-14.4	70.97	-	-	74	-3.03	118	244	V
3	* 5.15	28.39	RMS	34.6	-14.5	48.49	54	-5.51	-	-	118	244	V
4	* 5.14911	29.21	RMS	34.6	-14.4	49.41	54	-4.59	-	-	118	244	V

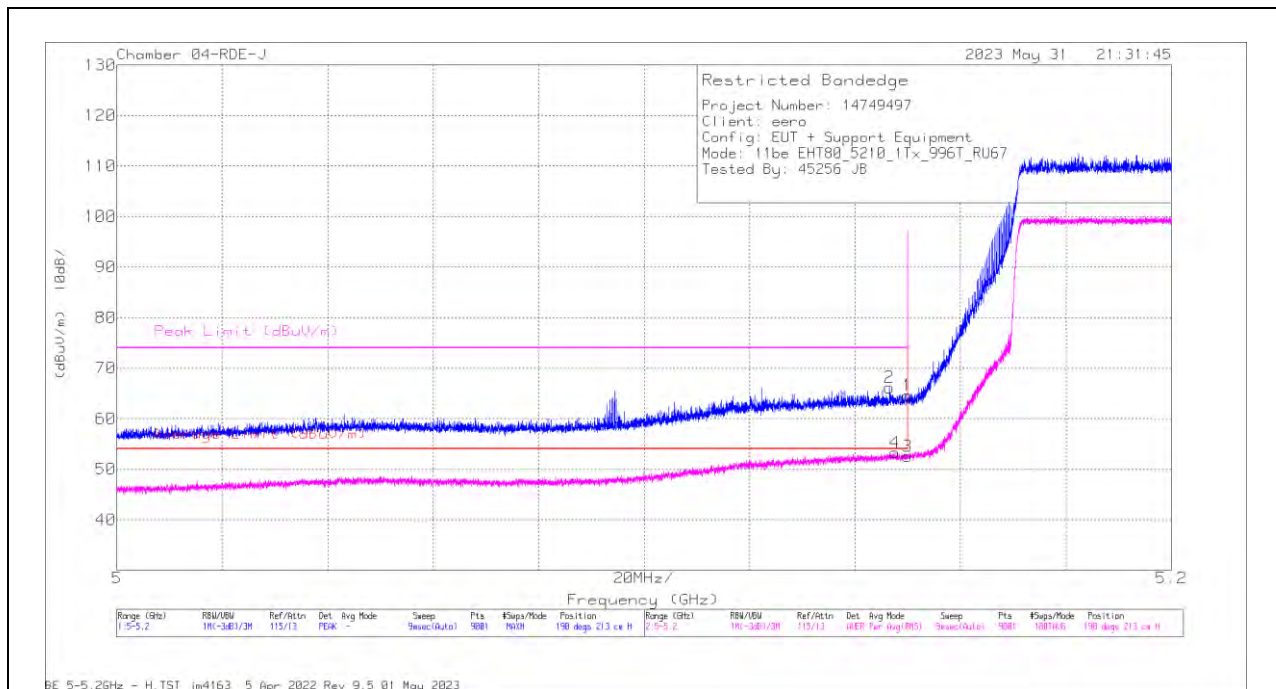
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

10.1.6. TX ABOVE 1 GHz 802.11be EHT80 MODE IN THE 5.2GHz BAND

1TX Antenna 6 OFDMA MODE: 996-Tones, RU Index 67

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

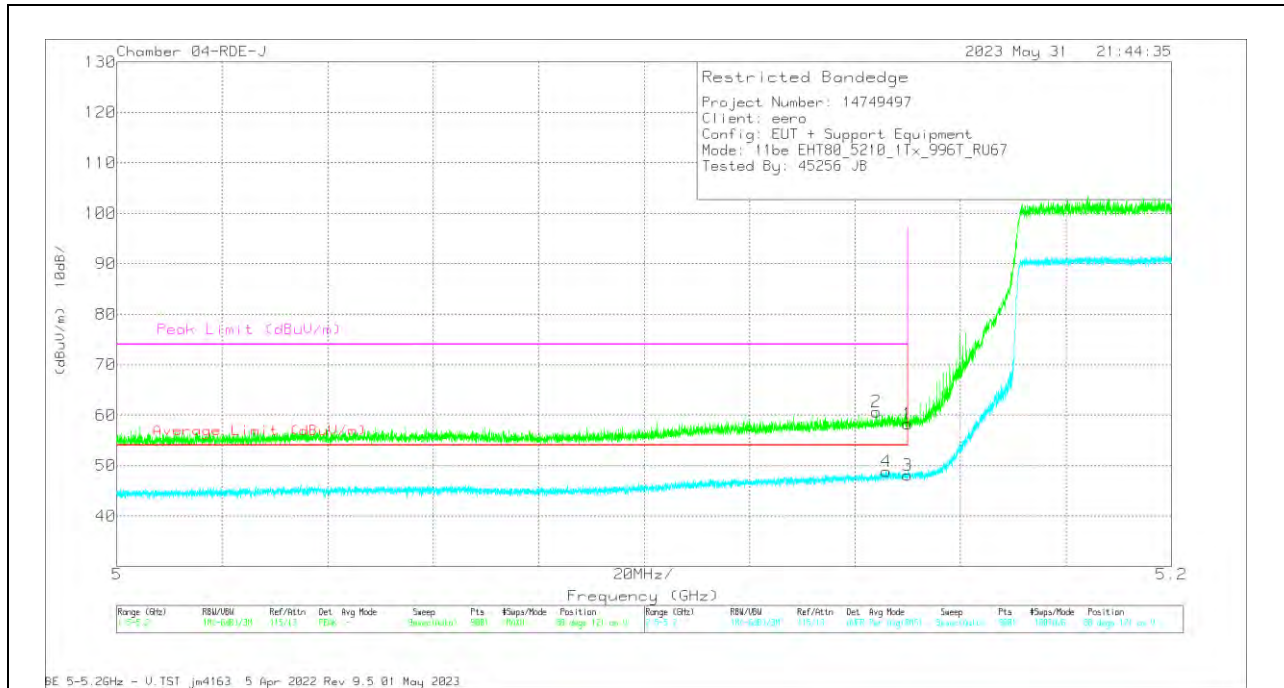


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.11	Pk	34.6	-14.1	64.61	-	-	74	-9.39	190	213	H
2	* 5.146554	45.46	Pk	34.6	-13.9	66.16	-	-	74	-7.84	190	213	H
3	* 5.15	32.11	RMS	34.6	-14.1	52.61	54	-1.39	-	-	190	213	H
4	* 5.147576	32.74	RMS	34.6	-14	53.34	54	-66	-	-	190	213	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222741 ACF(dB) -3mH	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.81	Pk	34.6	-14.1	58.31	-	-	74	-15.69	88	121	V
2	* 5.144065	40.19	Pk	34.6	-14.1	60.69	-	-	74	-13.31	88	121	V
3	* 5.15	27.59	RMS	34.6	-14.1	48.09	54	-5.91	-	-	88	121	V
4	* 5.145932	28.26	RMS	34.6	-14	48.86	54	-5.14	-	-	88	121	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection