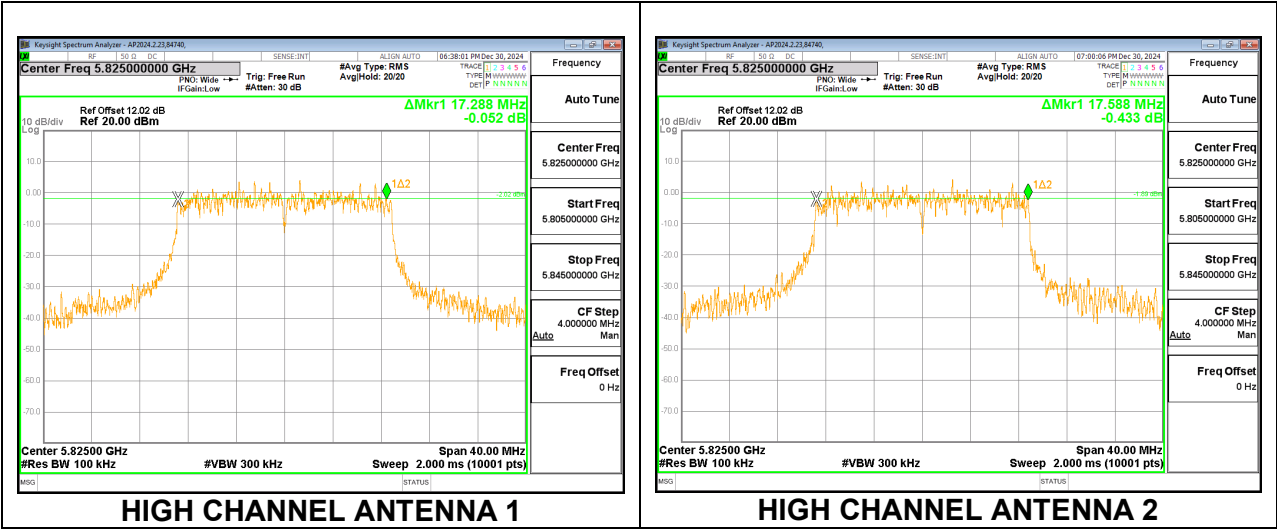
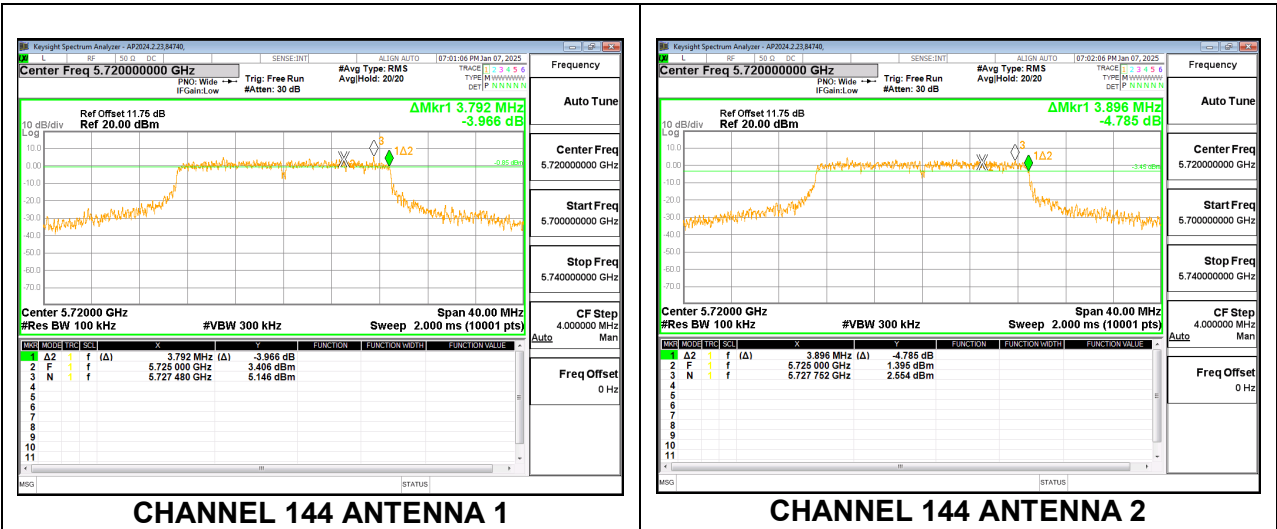


HIGH CHANNEL



CHANNEL 144



9.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 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.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 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.

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 5.25-5.35 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

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 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-2) 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.

Output Power:

Test Engineer:	105900; 84740
Test Date:	10/15/24; 10/24/24; 01/02/25

9.5.1. 802.11a MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	5.99	24.00	11.00
Mid	5200	6.32	23.68	10.68
High	5240	6.32	23.68	10.68

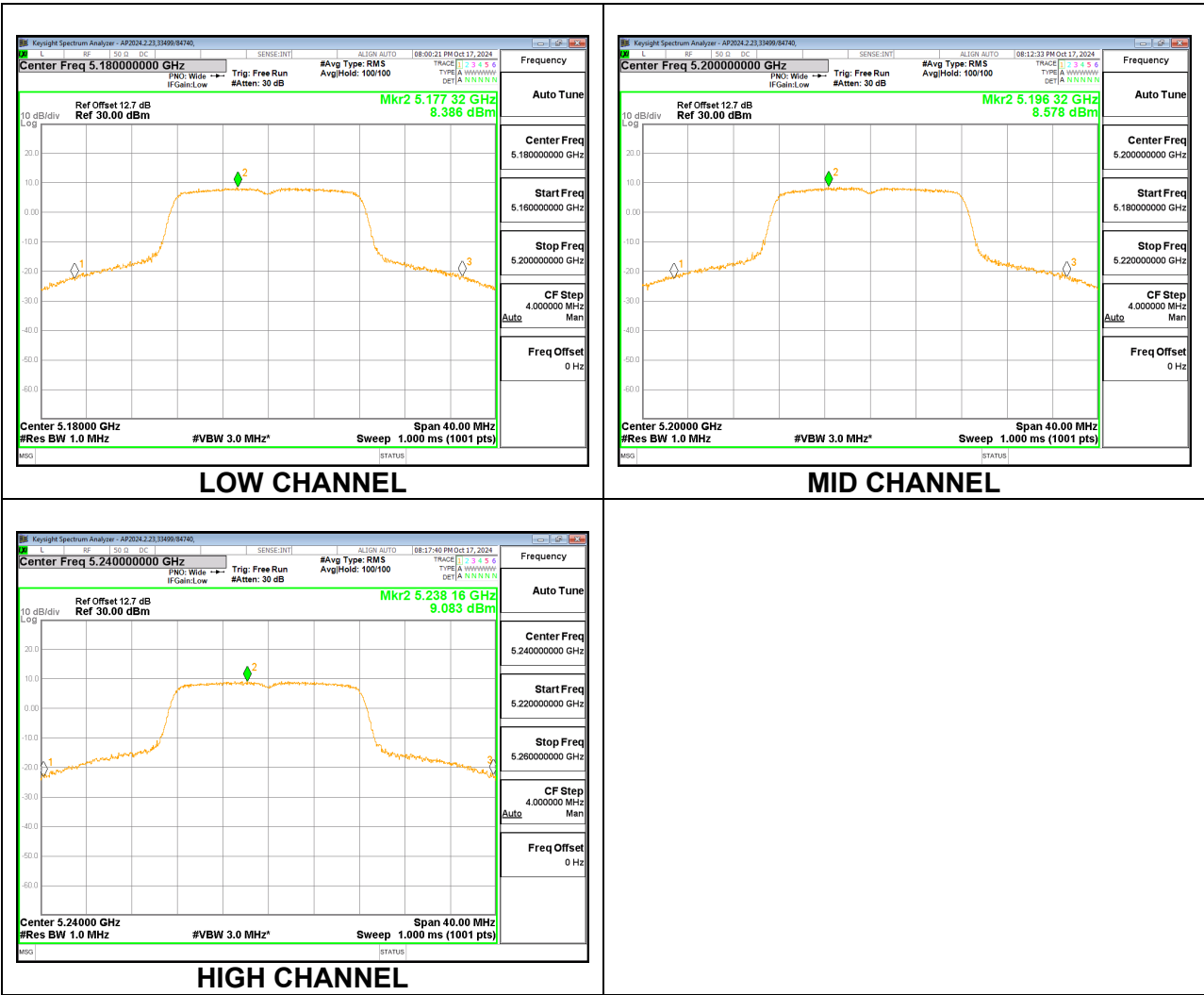
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.99	19.99	24.00	-4.01
Mid	5200	19.27	19.27	23.68	-4.41
High	5240	19.41	19.41	23.68	-4.27

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.39	8.66	11.00	-2.34
Mid	5200	8.58	8.85	10.68	-1.83
High	5240	9.08	9.35	10.68	-1.33



KeySight Spectrum Analyzer - AP024.2.21.33809/94740

Center Freq 5.240000000 GHz

Ref Offset 12.7 dB
Ref 30.00 dBm

Mkr2 5.238 16 GHz
9.083 dBm

10 dB/div

0.99

30.0

0.00

-30.0

-60.0

-90.0

1

2

3

Center 5.24000 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz*

Span 40.00 MHz

Sweep 1.000 ms (1001 pts)

Frequency

Auto Tune

Center Freq 5.240000000 GHz

Start Freq 5.220000000 GHz

Stop Freq 5.260000000 GHz

CF Step 4.000000 MHz

Auto

Freq Offset 0 Hz

HIGH CHANNEL

1TX Antenna 1 MODE (IC)**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	16.943	5.99	22.29	16.30	10.00	4.01
Mid	5200	16.748	6.32	22.24	15.92	10.00	3.68
High	5240	17.200	6.32	22.36	16.04	10.00	3.68

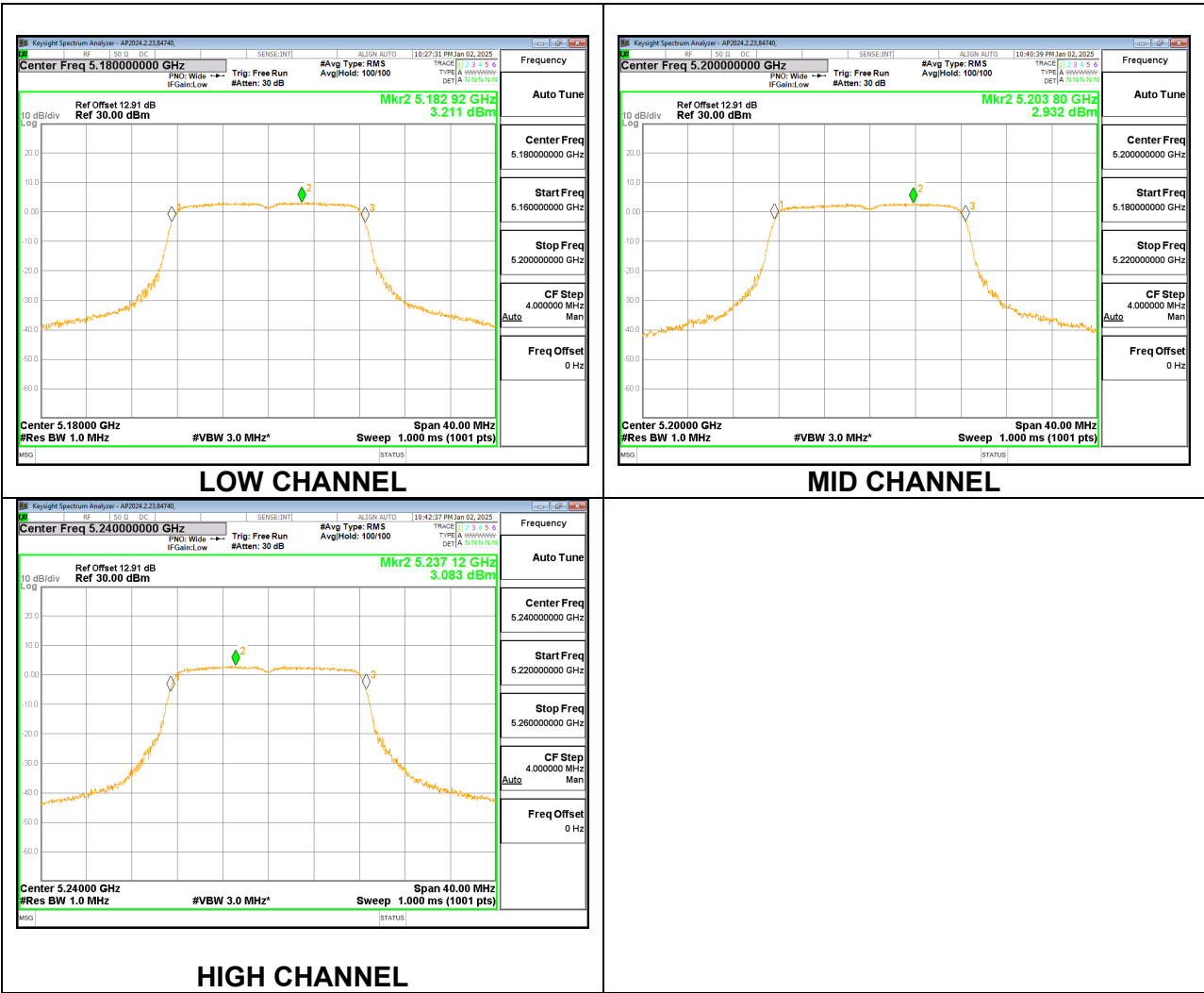
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	15.16	15.16	16.30	-1.14
Mid	5200	14.63	14.63	15.92	-1.29
High	5240	13.46	13.46	16.04	-2.57

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	3.211	3.48	4.01	-0.53
Mid	5200	2.932	3.20	3.68	-0.48
High	5240	3.083	3.35	3.68	-0.33



1TX Antenna 2 MODE (FCC) MOBILE**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	4.20	24.00	11.00
Mid	5200	3.80	24.00	11.00
High	5240	3.80	24.00	11.00

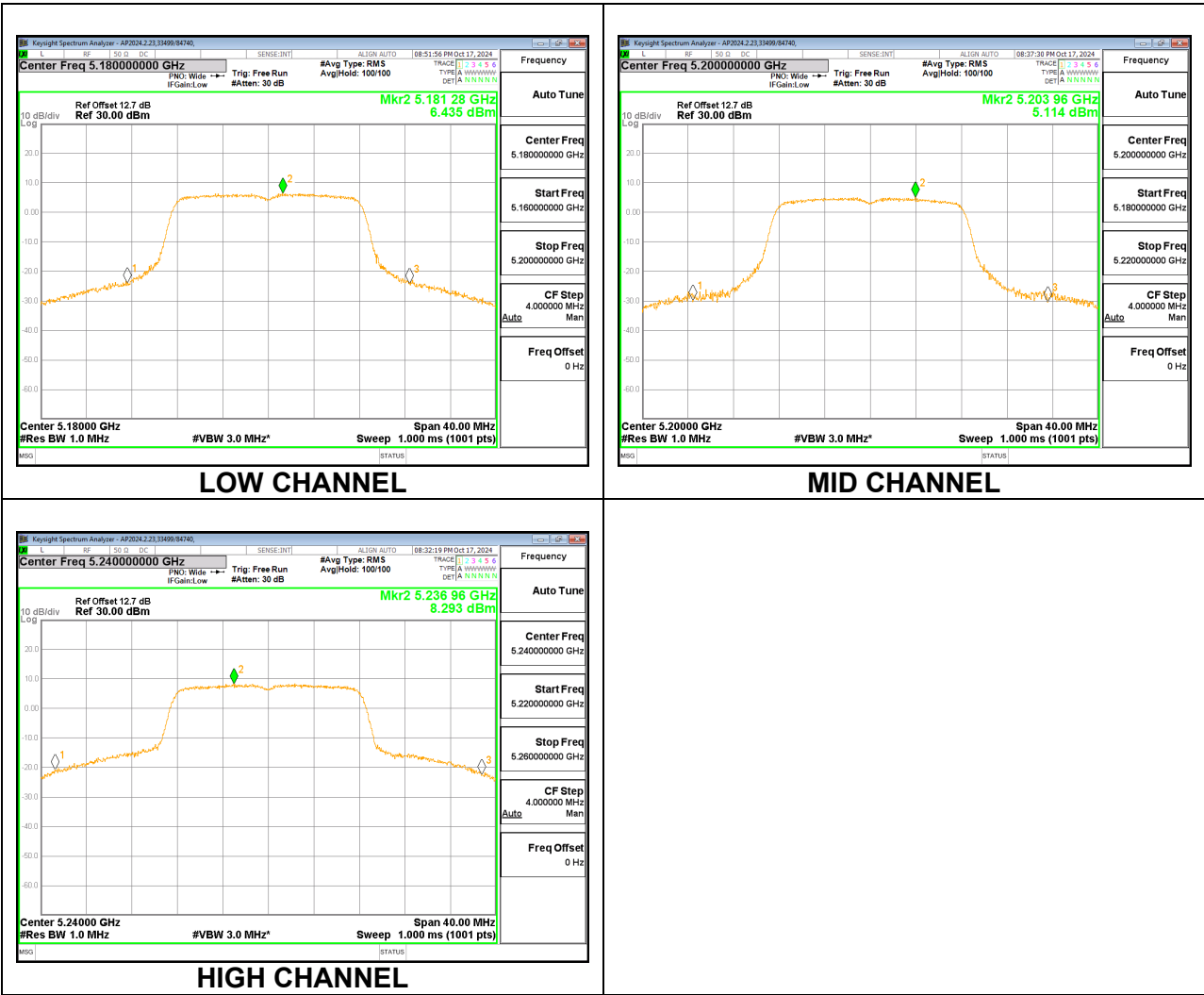
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.74	19.74	24.00	-4.26
Mid	5200	18.51	18.51	24.00	-5.49
High	5240	16.86	16.86	24.00	-7.14

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.44	6.71	11.00	-4.30
Mid	5200	5.11	5.38	11.00	-5.62
High	5240	8.29	8.56	11.00	-2.44



1TX Antenna 2 MODE (IC)**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	16.703	4.20	22.23	18.03	10.00	5.80
Mid	5200	16.765	3.80	22.24	18.44	10.00	6.20
High	5240	17.128	3.80	22.34	18.54	10.00	6.20

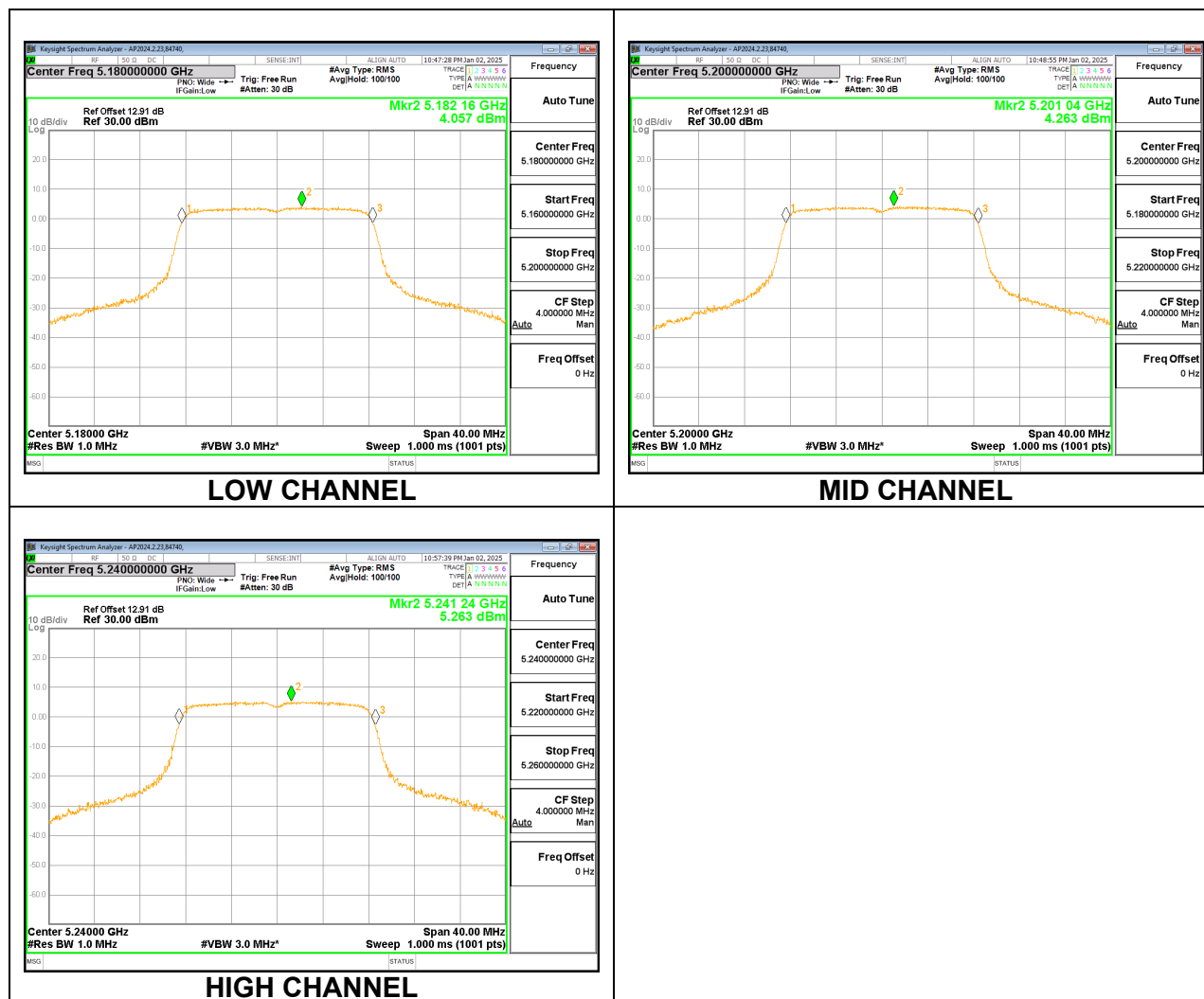
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	14.83	14.83	18.03	-3.19
Mid	5200	14.41	14.41	18.44	-4.04
High	5240	14.19	14.19	18.54	-4.35

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	4.06	4.33	5.80	-1.47
Mid	5200	4.26	4.53	6.20	-1.67
High	5240	5.26	5.53	6.20	-0.67



9.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	5.99	24.00	11.00
Mid	5200	6.32	23.68	10.68
High	5240	6.32	23.68	10.68

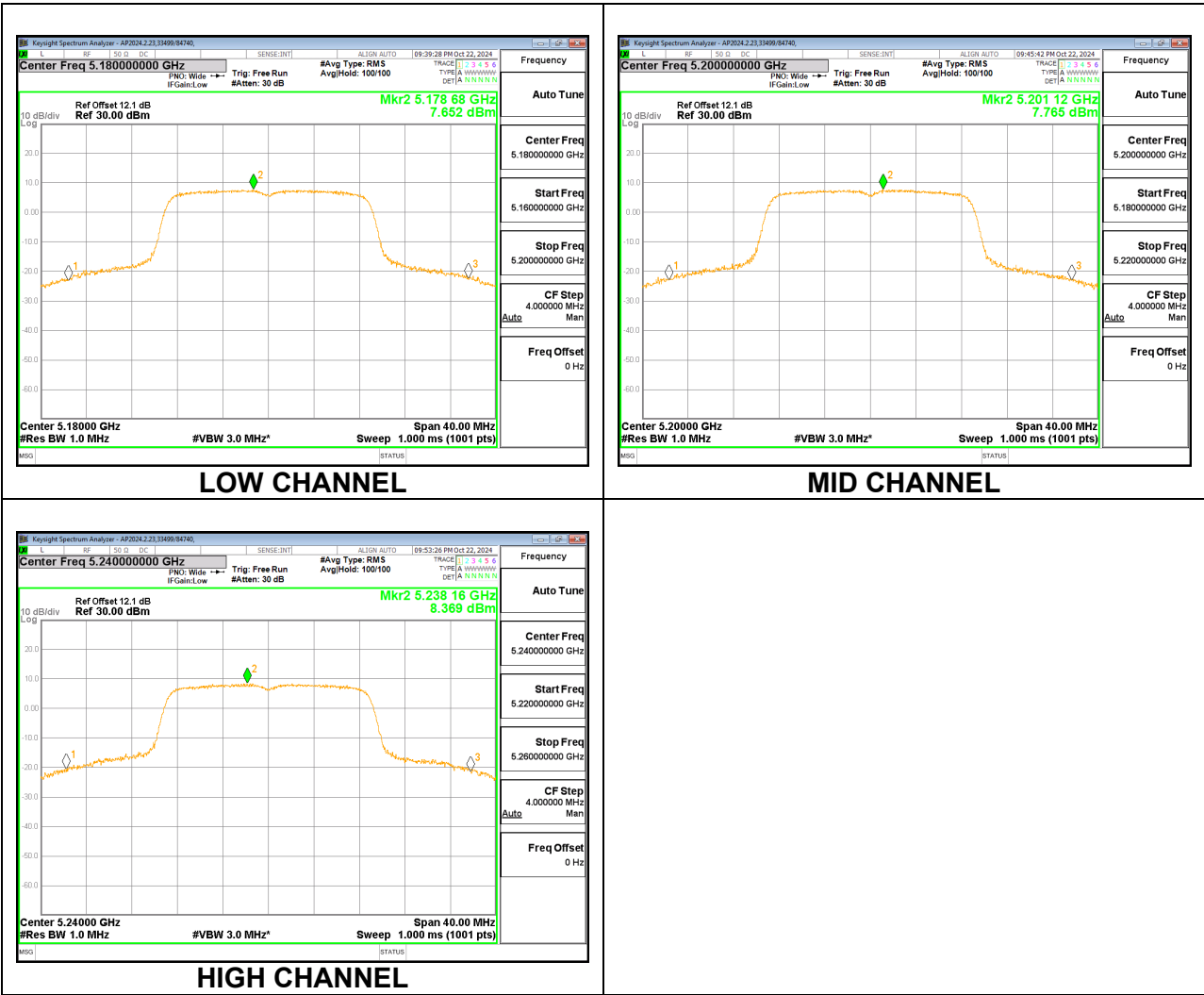
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	19.00	19.00	24.00	-5.00
Mid	5200	18.82	18.82	23.68	-4.86
High	5240	17.79	17.79	23.68	-5.89

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.65	7.91	11.00	-3.09
Mid	5200	7.77	8.03	10.68	-2.66
High	5240	8.37	8.63	10.68	-2.05



KeySight Spectrum Analyzer - AP024.2.21.33809(94740)

Center Freq 5.240000000 GHz

Ref Offset 12.1 dB
Ref 30.00 dBm

Mkr2 5.238 16 GHz
8.369 dBm

10 dB/div
L.99

30.0
0.00
-30.0
-60.0
-90.0

Center 5.24000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Sweep 1.000 ms (1001 pts)

Frequency

Auto Tune

Center Freq
5.240000000 GHz

Start Freq
5.220000000 GHz

Stop Freq
5.260000000 GHz

CF Step
4.000000 MHz
Auto

Freq Offset
0 Hz

HIGH CHANNEL

1TX Antenna 1 MODE (IC)**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	17.917	5.99	22.53	16.54	10.00	4.01
Mid	5200	17.890	6.32	22.53	16.21	10.00	3.68
High	5240	17.993	6.32	22.55	16.23	10.00	3.68

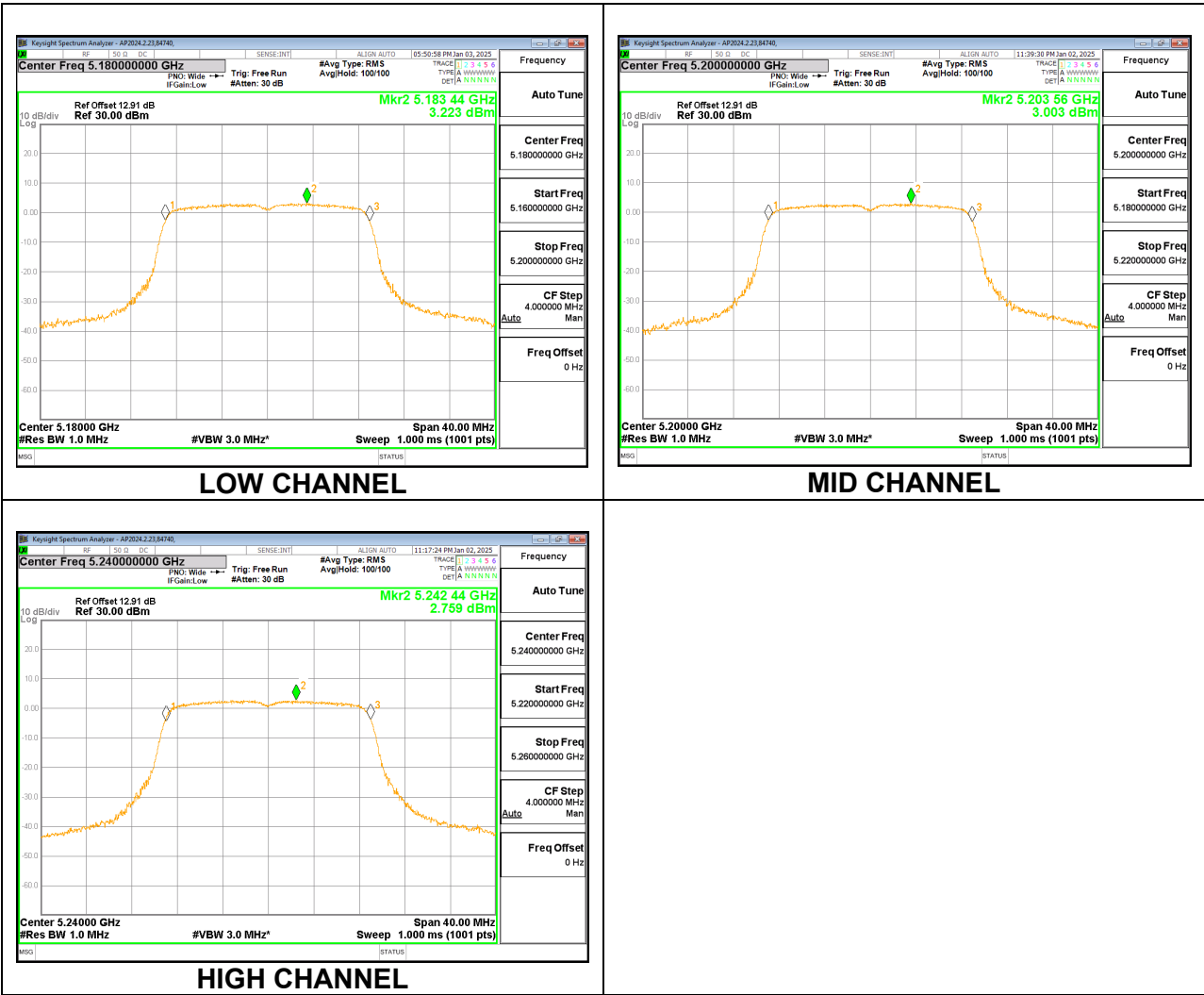
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	14.95	14.95	16.54	-1.59
Mid	5200	14.96	14.96	16.21	-1.25
High	5240	14.43	14.43	16.23	-1.80

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	3.223	3.48	4.01	-0.53
Mid	5200	3.003	3.26	3.68	-0.42
High	5240	2.759	3.02	3.68	-0.66



1TX Antenna 2 MODE (FCC) MOBILE**Antenna Gain and Limits**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	4.20	24.00	11.00
Mid	5200	3.80	24.00	11.00
High	5240	3.80	24.00	11.00

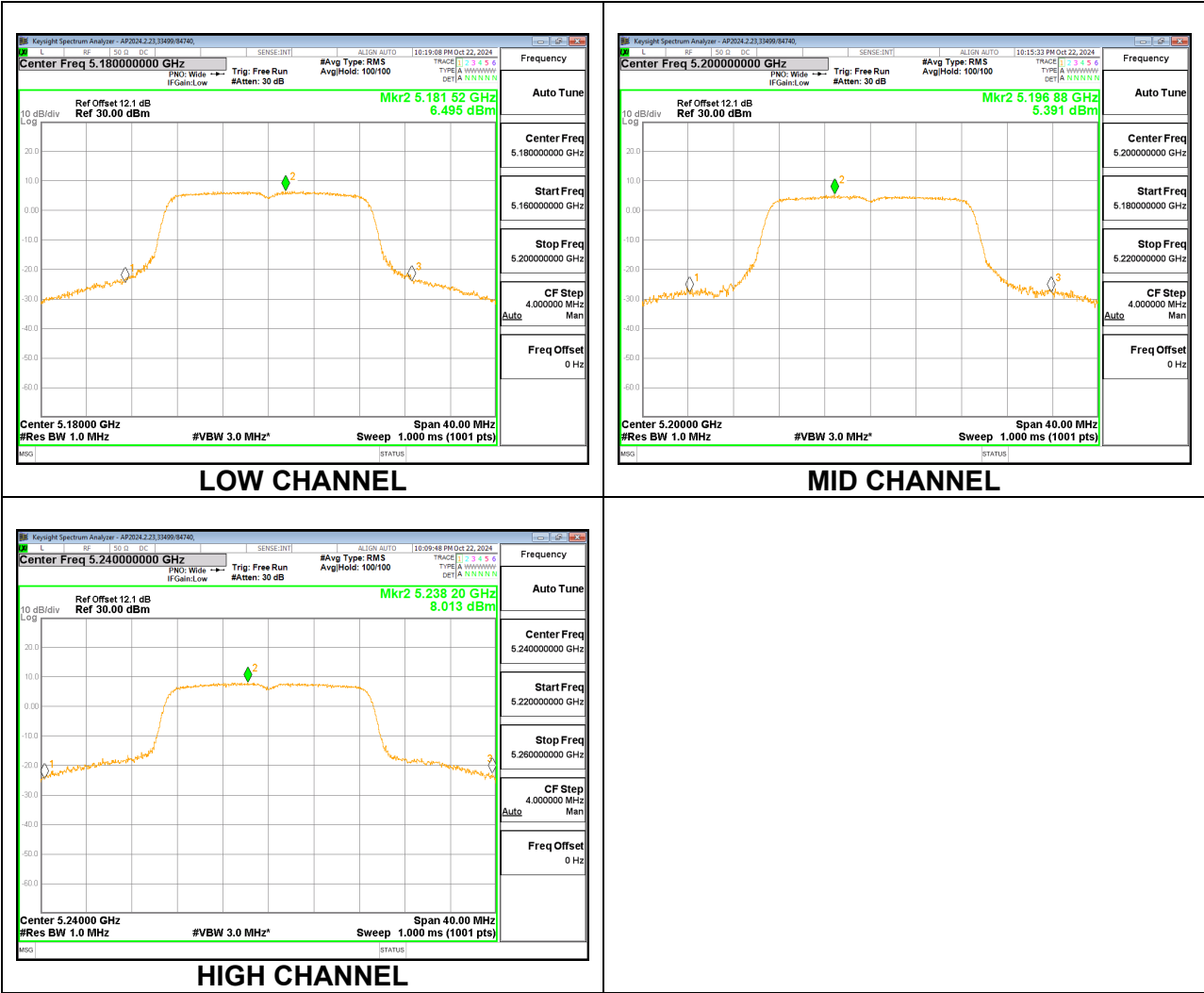
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.33	16.33	24.00	-7.67
Mid	5200	17.50	17.50	24.00	-6.50
High	5240	17.43	17.43	24.00	-6.57

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.50	6.76	11.00	-4.25
Mid	5200	5.39	5.65	11.00	-5.35
High	5240	8.01	8.27	11.00	-2.73



1TX Antenna 2 MODE (IC)**Bandwidth, Antenna Gain, and Limits**

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	EIRP Power Limit (dBm)	Power Limit (dBm)	EIRP PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	17.764	4.20	22.50	18.30	10.00	5.80
Mid	5200	17.739	3.80	22.49	18.69	10.00	6.20
High	5240	17.964	3.80	22.54	18.74	10.00	6.20

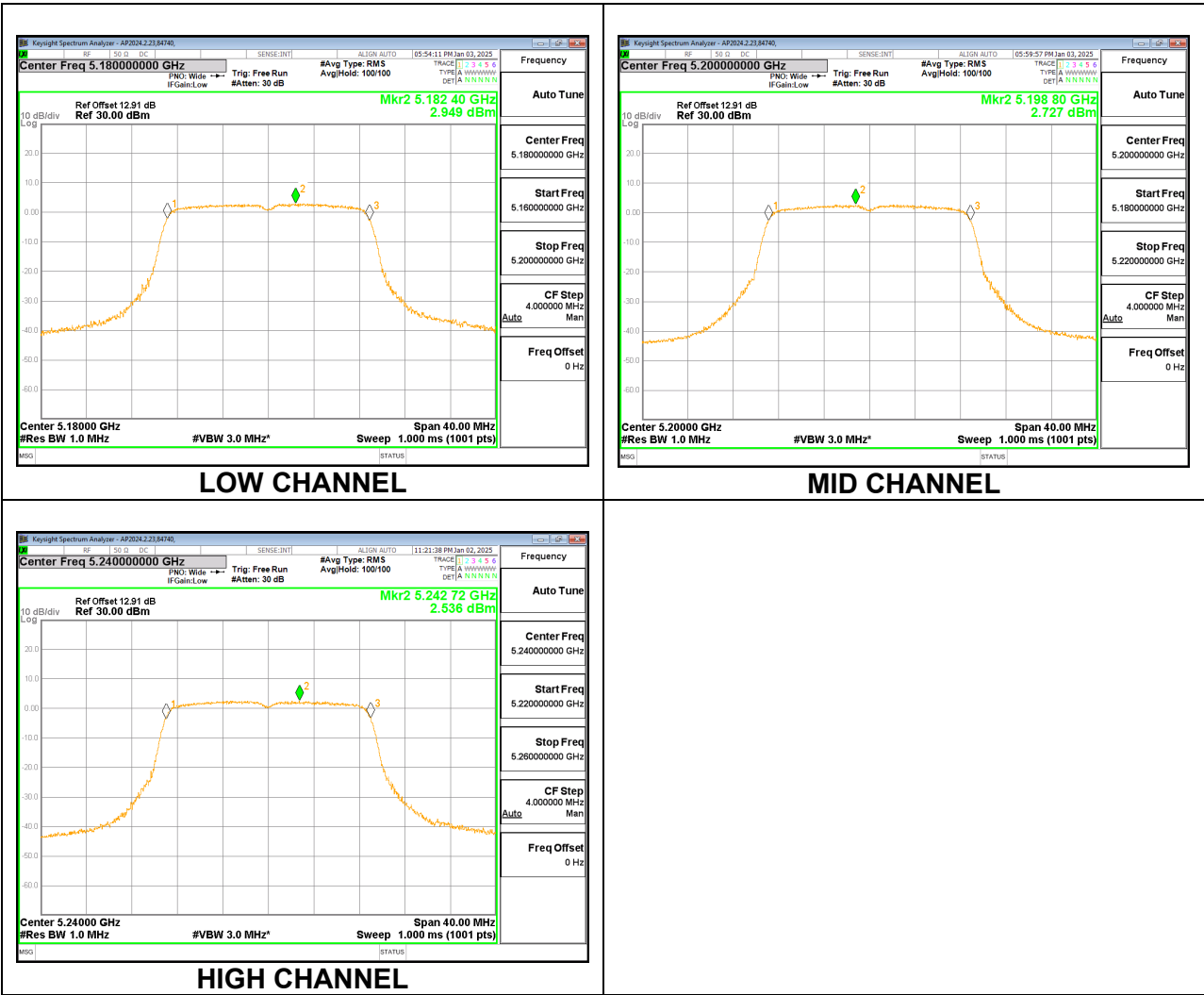
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	14.90	14.90	18.30	-3.40
Mid	5200	14.79	14.79	18.69	-3.90
High	5240	13.60	13.60	18.74	-5.14

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	2.95	3.21	5.80	-2.59
Mid	5200	2.73	2.99	6.20	-3.21
High	5240	2.54	2.80	6.20	-3.40



9.5.3. 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5260	23.88	17.00	6.16	6.16
Mid	5300	22.60	16.64	5.89	5.89
High	5320	25.40	16.79	5.89	5.89

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5260	23.84	23.31	29.31	23.15	10.84	11.00	10.84
Mid	5300	24.00	23.21	29.21	23.21	11.00	11.00	11.00
High	5320	24.00	23.25	29.25	23.25	11.00	11.00	11.00

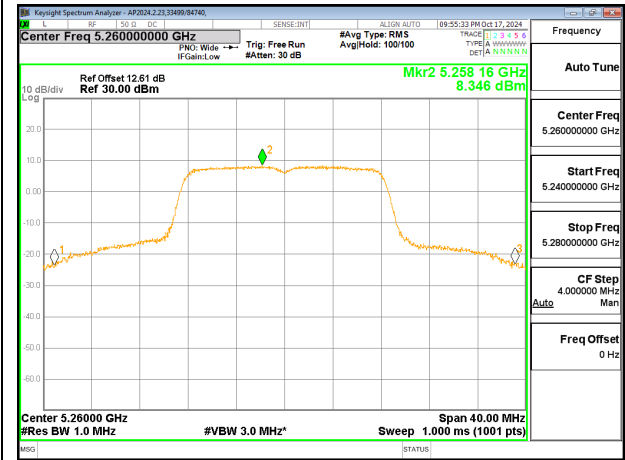
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

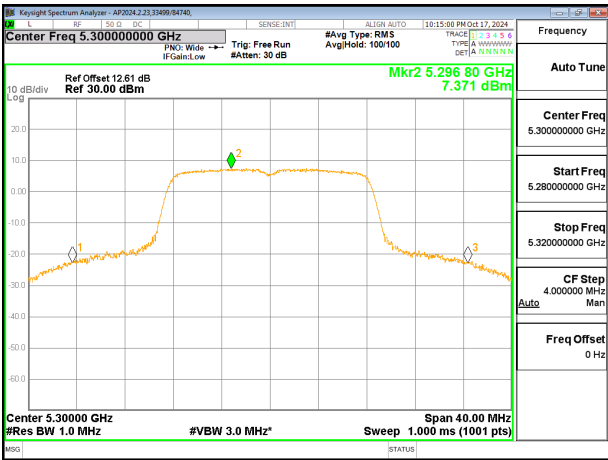
Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.08	19.08	23.15	-4.07
Mid	5300	18.41	18.41	23.21	-4.80
High	5320	18.02	18.02	23.25	-5.23

PSD Results

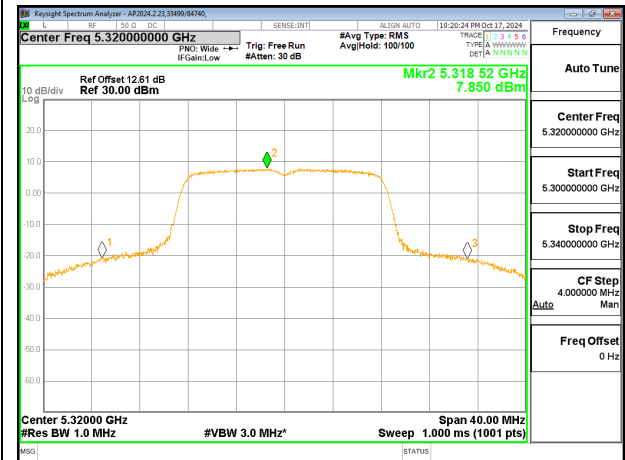
Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5260	8.35	8.62	10.84	-2.22
Mid	5300	7.37	7.64	11.00	-3.36
High	5320	7.85	8.12	11.00	-2.88



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

1TX Antenna 2 MODE (FCC + IC)**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5260	28.88	16.75	3.94	3.94
Mid	5300	20.68	16.77	3.45	3.45
High	5320	22.12	16.75	3.45	3.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5260	24.00	23.24	29.24	23.24	11.00	11.00	11.00
Mid	5300	24.00	23.25	29.25	23.25	11.00	11.00	11.00
High	5320	24.00	23.24	29.24	23.24	11.00	11.00	11.00

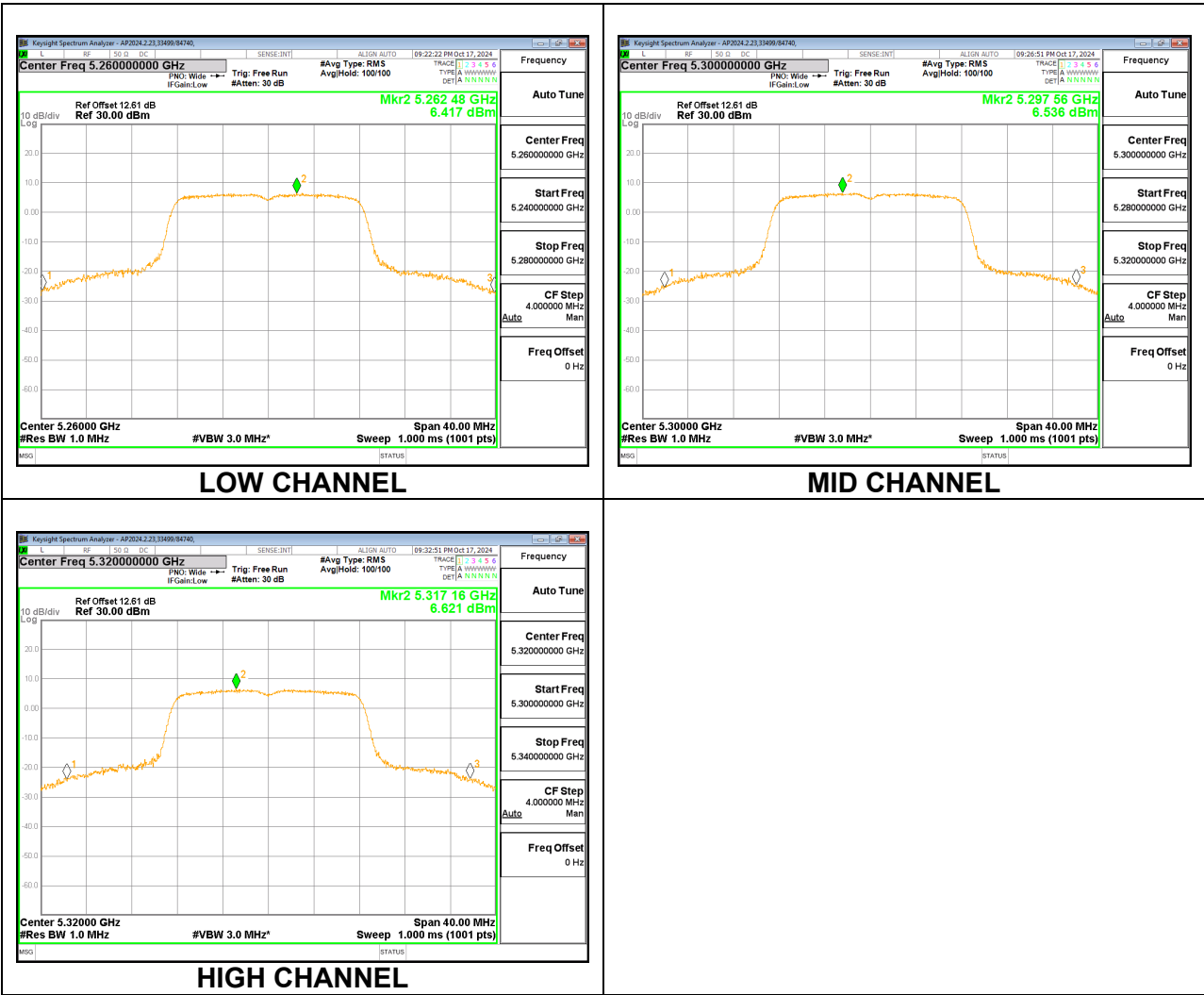
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	19.12	19.12	23.24	-4.12
Mid	5300	19.20	19.20	23.25	-4.05
High	5320	18.81	18.81	23.24	-4.43

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5260	6.42	6.69	11.00	-4.31
Mid	5300	6.54	6.81	11.00	-4.19
High	5320	6.62	6.89	11.00	-4.11



KeySight Spectrum Analyzer - AP024.2.21.33499/94740

Center Freq 5.320000000 GHz

Ref Offset 12.61 dB
Ref 30.00 dBm

Mkr2 5.317 16 GHz
6.621 dBm

10 dB/div

0.9

30.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 5.32000 GHz

#Res BW 1.0 MHz

#VBW 3.0 MHz*

Sweep 1.000 ms (1001 pts)

Frequency

Auto Tune

Center Freq 5.320000000 GHz

Start Freq 5.300000000 GHz

Stop Freq 5.340000000 GHz

CF Step 4.000000 MHz

Auto

Freq Offset 0 Hz

HIGH CHANNEL

9.5.4. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5260	21.40	17.60	6.16	6.16
Mid	5300	20.44	17.68	5.89	5.89
High	5320	21.72	17.73	5.89	5.89

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5260	23.84	23.46	29.46	23.30	10.84	11.00	10.84
Mid	5300	24.00	23.47	29.47	23.47	11.00	11.00	11.00
High	5320	24.00	23.49	29.49	23.49	11.00	11.00	11.00

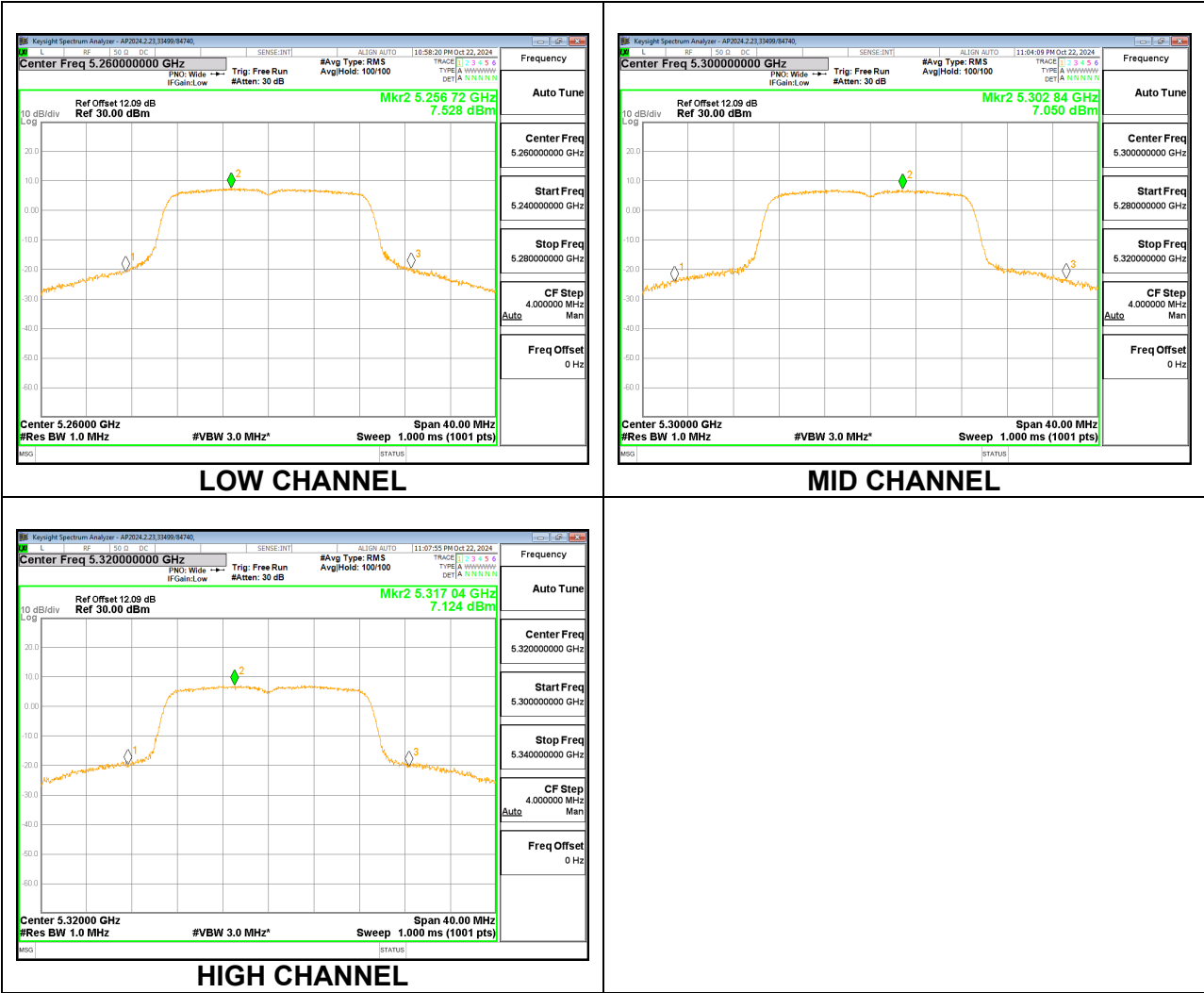
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	18.69	18.69	23.30	-4.61
Mid	5300	18.62	18.62	23.47	-4.85
High	5320	17.96	17.96	23.49	-5.53

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5260	7.53	7.79	10.84	-3.05
Mid	5300	7.05	7.31	11.00	-3.69
High	5320	7.12	7.38	11.00	-3.62



1TX Antenna 2 MODE (FCC + IC)**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5260	21.32	17.64	3.94	3.94
Mid	5300	21.20	17.67	3.45	3.45
High	5320	20.88	17.69	3.45	3.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5260	24.00	23.46	29.46	23.46	11.00	11.00	11.00
Mid	5300	24.00	23.47	29.47	23.47	11.00	11.00	11.00
High	5320	24.00	23.48	29.48	23.48	11.00	11.00	11.00

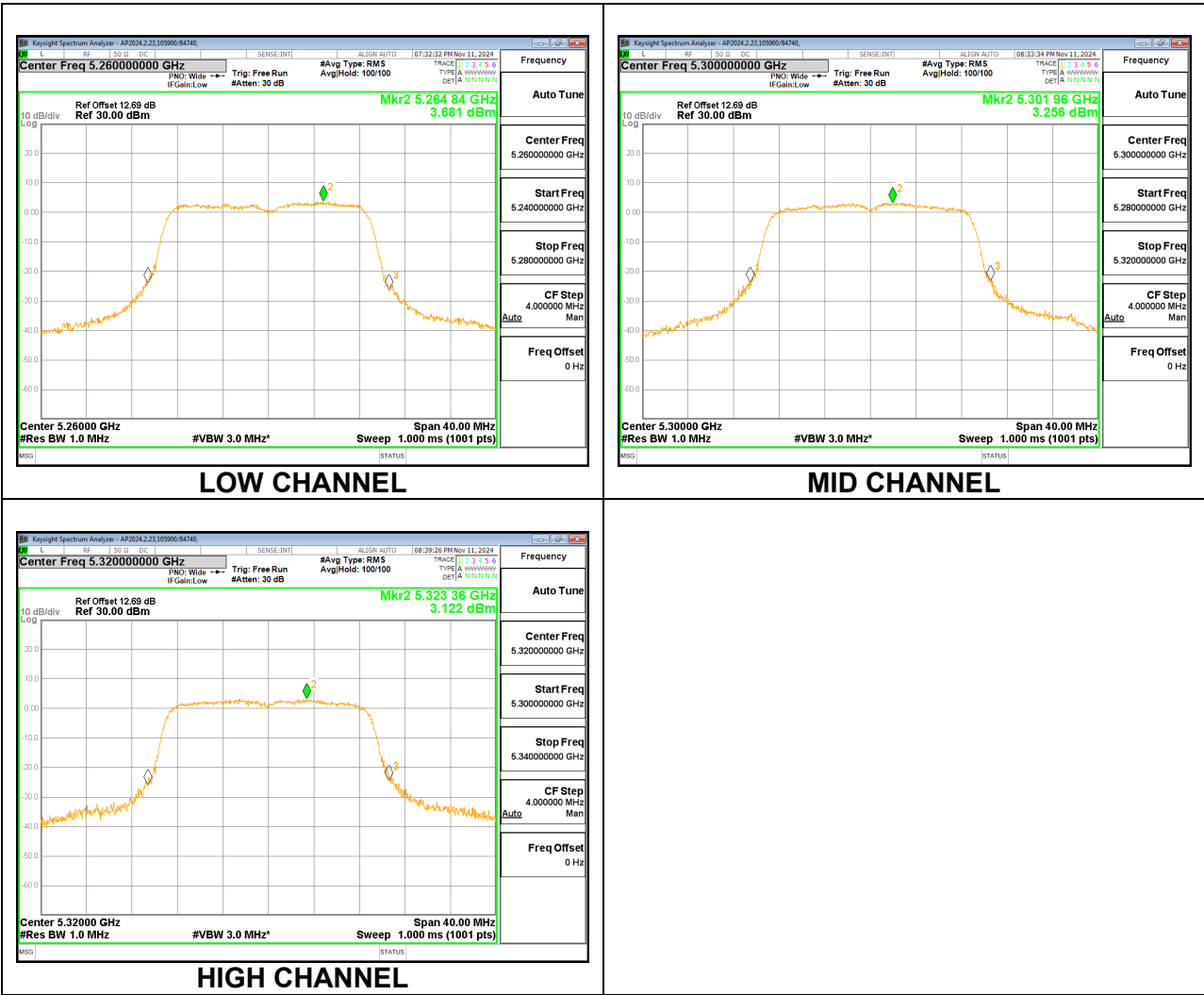
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	18.92	18.92	23.46	-4.54
Mid	5300	18.65	18.65	23.47	-4.82
High	5320	18.16	18.16	23.48	-5.32

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5260	3.68	3.94	11.00	-7.06
Mid	5300	3.26	3.52	11.00	-7.48
High	5320	3.12	3.38	11.00	-7.62



9.5.5. 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	21.88	16.61	5.10	5.10
Mid	5580	21.96	16.62	5.24	5.24
High	5700	23.28	16.77	5.36	5.36
144	5720	19.04	16.71	5.45	5.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.20	29.20	23.20	11.00	11.00	11.00
Mid	5580	24.00	23.21	29.21	23.21	11.00	11.00	11.00
High	5700	24.00	23.25	29.25	23.25	11.00	11.00	11.00
144	5720	23.80	23.23	29.23	23.23	11.00	11.00	11.00

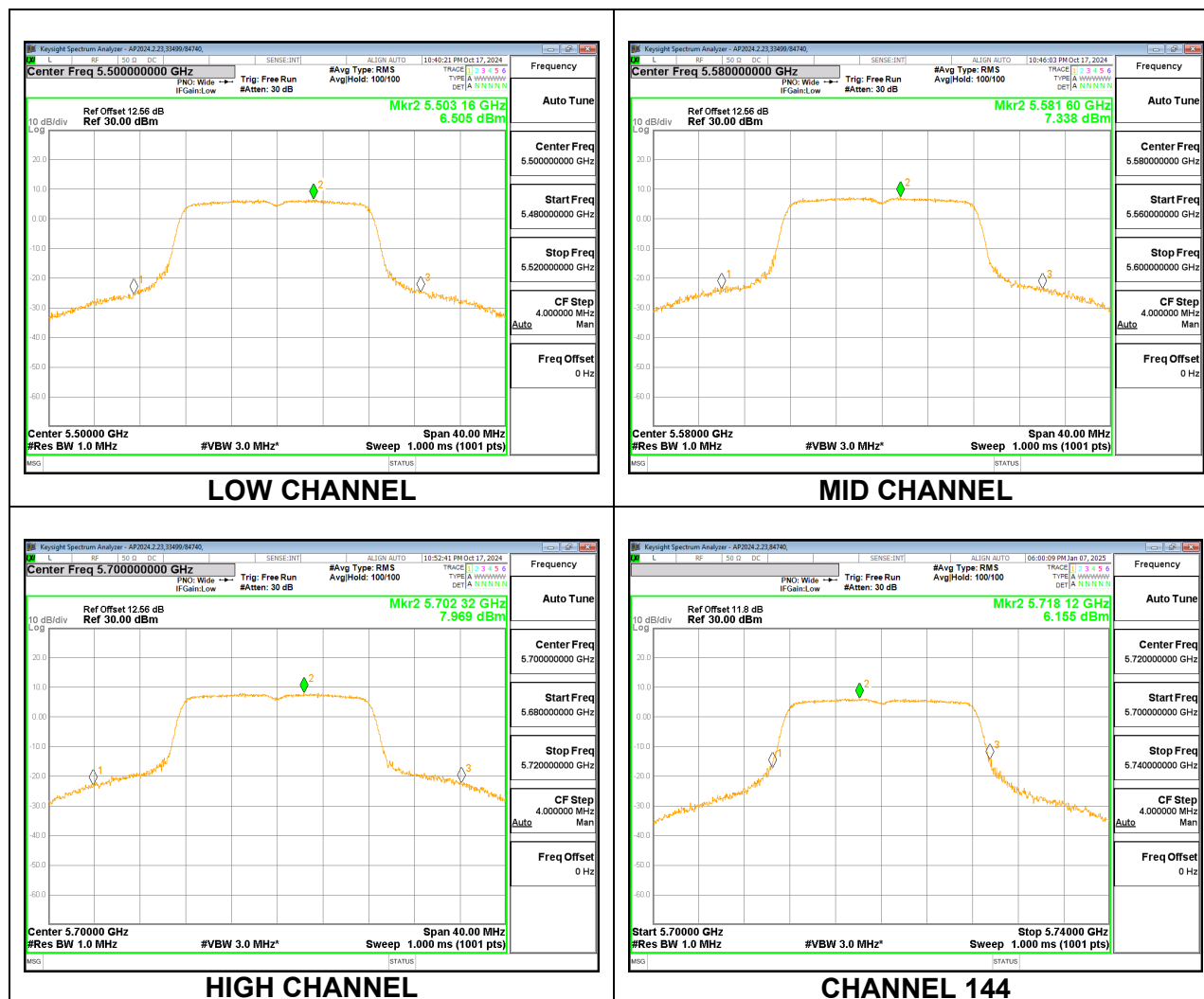
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.74	17.74	23.20	-5.46
Mid	5580	17.69	17.69	23.21	-5.52
High	5700	17.68	17.68	23.25	-5.56
144	5720	17.68	17.68	23.23	-5.55

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	6.51	6.78	11.00	-4.23
Mid	5580	7.34	7.61	11.00	-3.39
High	5700	7.97	8.24	11.00	-2.76
144	5720	6.16	6.43	11.00	-4.58



1TX Antenna 2 MODE (FCC + IC)**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	22.04	16.72	4.20	4.20
Mid	5580	21.60	16.63	4.50	4.50
High	5700	21.08	16.72	4.33	4.33
144	5720	18.68	23.70	4.47	4.47

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.23	29.23	23.23	11.00	11.00	11.00
Mid	5580	24.00	23.21	29.21	23.21	11.00	11.00	11.00
High	5700	24.00	23.23	29.23	23.23	11.00	11.00	11.00
144	5720	23.71	24.00	30.00	23.71	11.00	11.00	11.00

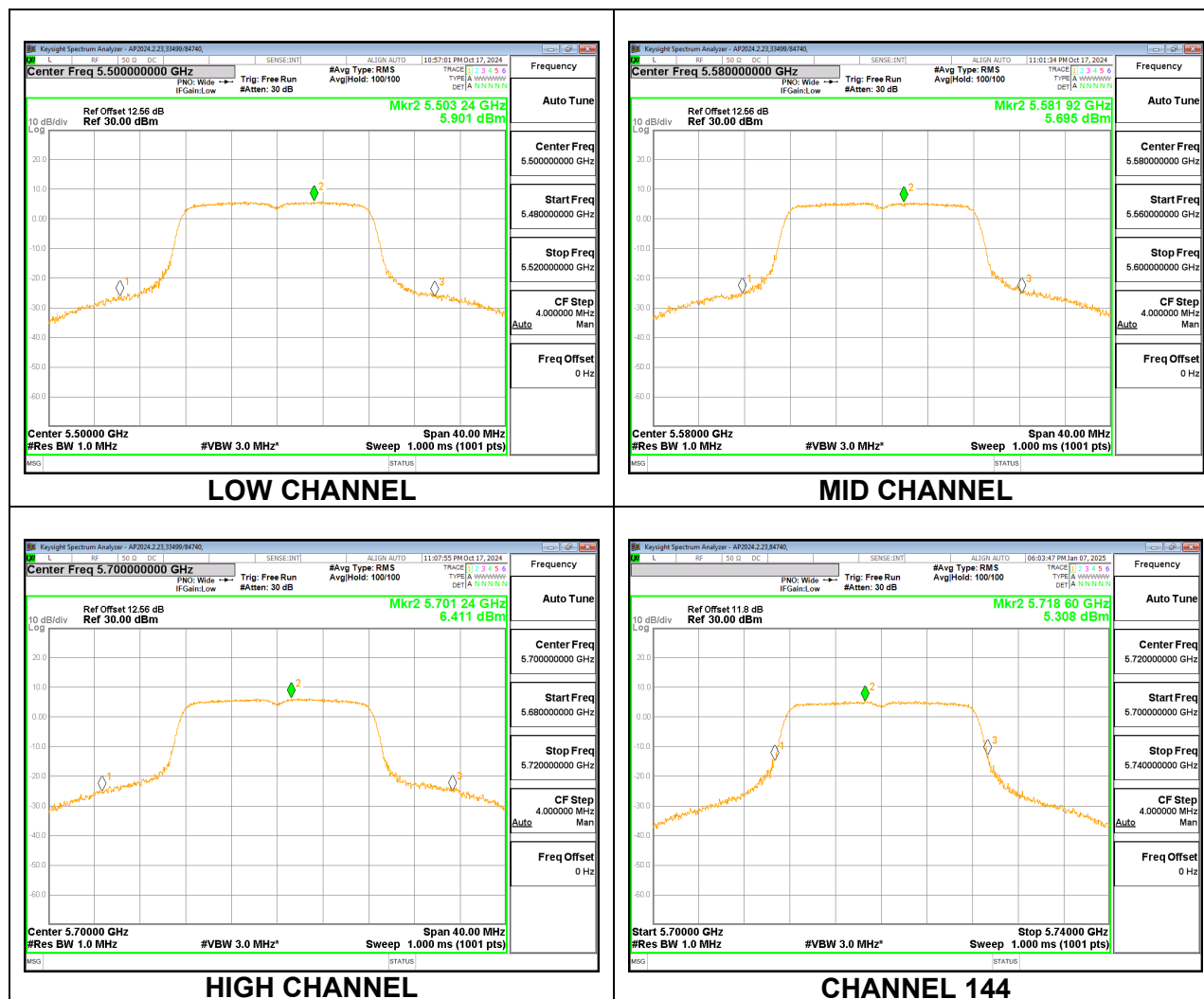
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.42	17.42	23.23	-5.82
Mid	5580	17.22	17.22	23.21	-5.99
High	5700	17.18	17.18	23.23	-6.06
144	5720	17.52	17.52	23.71	-6.20

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	5.90	6.17	11.00	-4.83
Mid	5580	5.70	5.97	11.00	-5.04
High	5700	6.41	6.68	11.00	-4.32
144	5720	5.31	5.58	11.00	-5.42



9.5.6. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	20.72	17.89	5.10	5.10
Mid	5580	21.40	17.79	5.24	5.24
High	5700	21.24	18.11	5.36	5.36
144	5720	21.52	17.64	5.45	5.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.53	29.53	23.53	11.00	11.00	11.00
Mid	5580	24.00	23.50	29.50	23.50	11.00	11.00	11.00
High	5700	24.00	23.58	29.58	23.58	11.00	11.00	11.00
144	5720	24.00	23.47	29.47	23.47	11.00	11.00	11.00

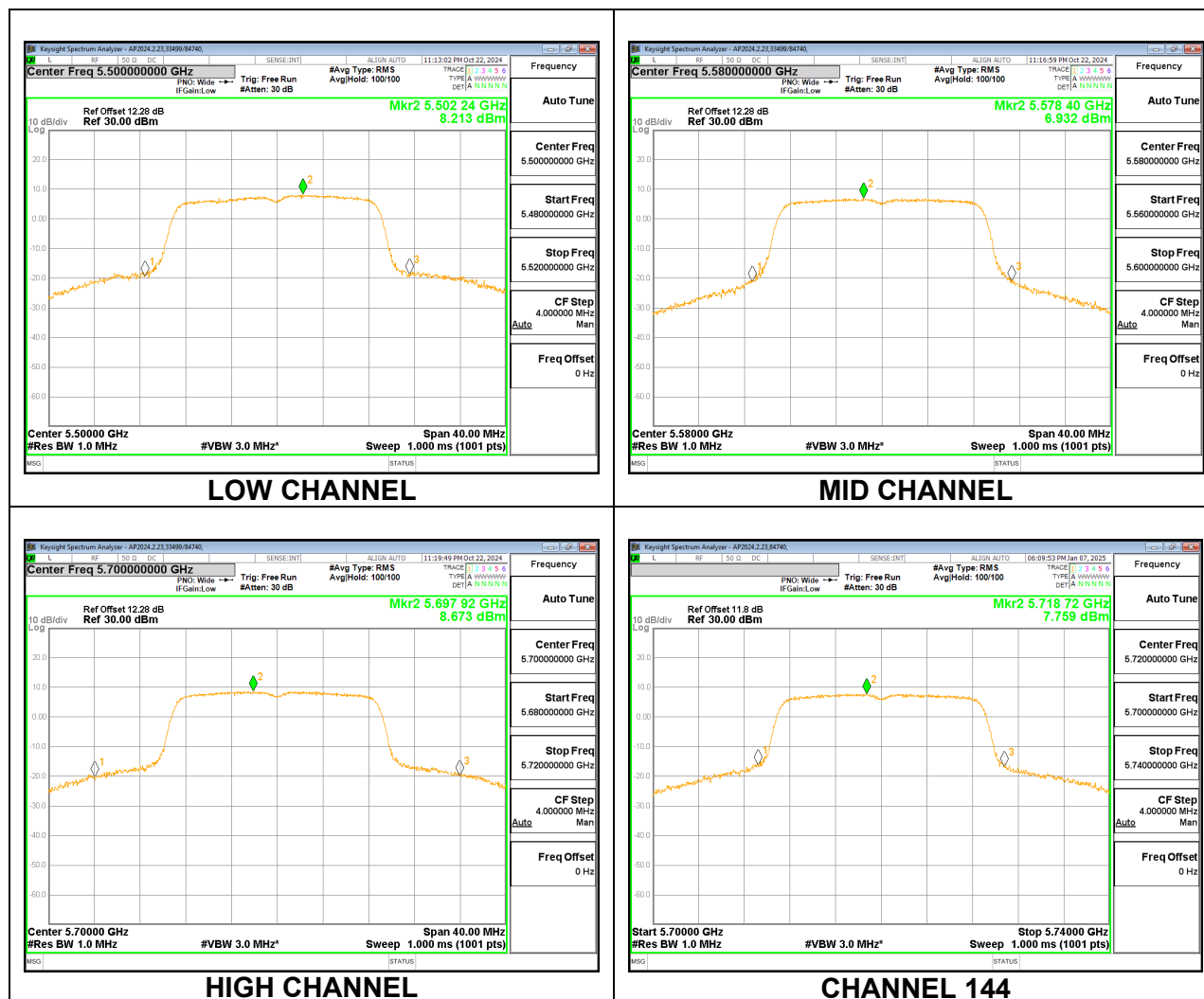
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	19.16	19.16	23.53	-4.36
Mid	5580	18.87	18.87	23.50	-4.63
High	5700	18.91	18.91	23.58	-4.67
144	5720	16.53	16.53	23.47	-6.93

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	8.21	8.47	11.00	-2.53
Mid	5580	6.93	7.19	11.00	-3.81
High	5700	8.67	8.93	11.00	-2.07
144	5720	7.76	8.02	11.00	-2.98



1TX Antenna 2 MODE (FCC + IC)**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	21.20	17.88	4.20	4.20
Mid	5580	21.16	17.93	4.50	4.50
High	5700	20.16	17.83	4.33	4.33
144	5720	22.32	17.83	4.47	4.47

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.52	29.52	23.52	11.00	11.00	11.00
Mid	5580	24.00	23.54	29.54	23.54	11.00	11.00	11.00
High	5700	24.00	23.51	29.51	23.51	11.00	11.00	11.00
144	5720	24.00	23.51	29.51	23.51	11.00	11.00	11.00

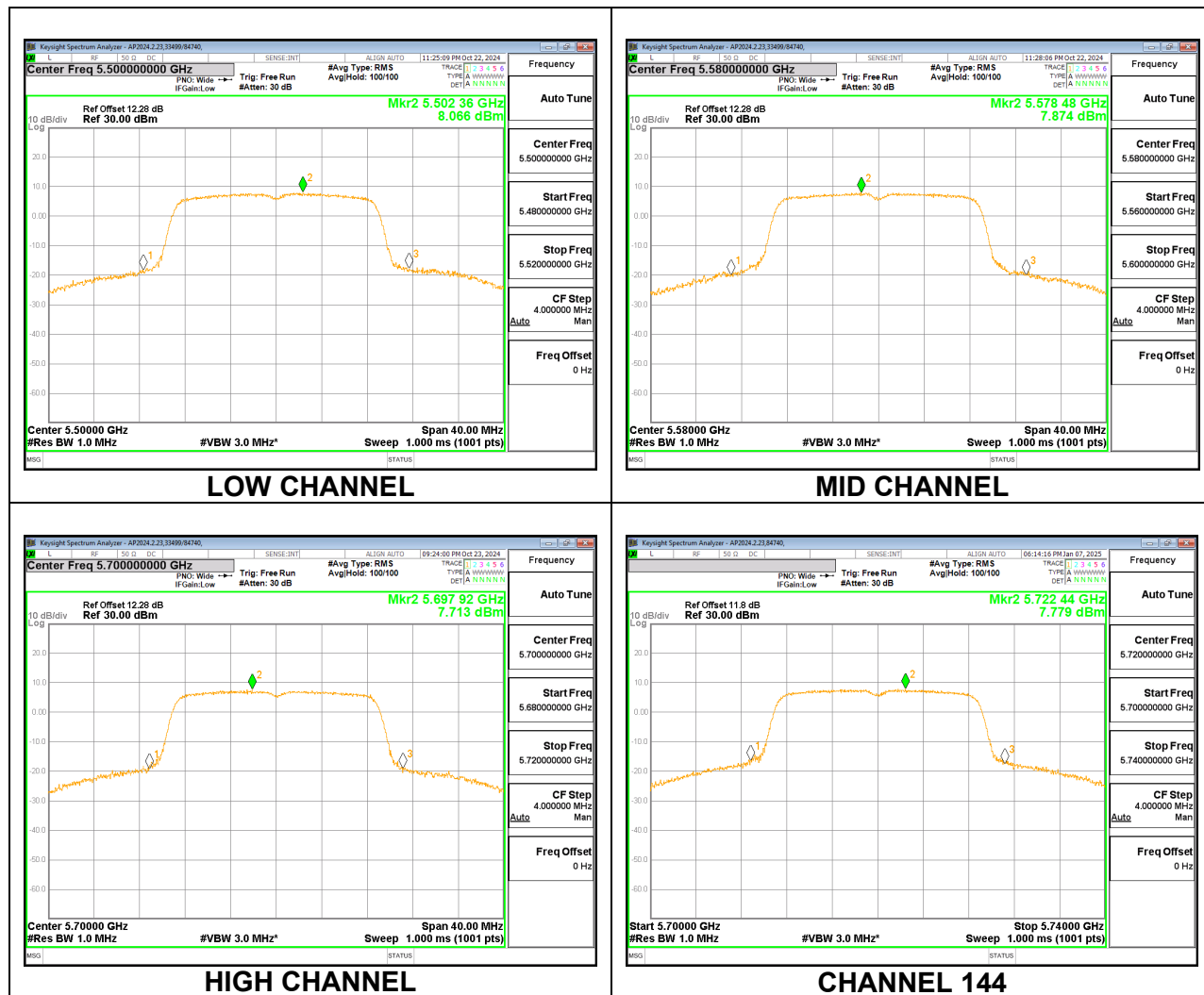
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.93	18.93	23.52	-4.59
Mid	5580	18.25	18.25	23.54	-5.29
High	5700	18.69	18.69	23.51	-4.82
144	5720	16.89	16.89	23.51	-6.62

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	8.07	8.33	11.00	-2.67
Mid	5580	7.87	8.13	11.00	-2.87
High	5700	7.71	7.97	11.00	-3.03
144	5720	7.78	8.04	11.00	-2.96



9.5.7. 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.45	30.00	30.00
Mid	5785	5.32	30.00	30.00
High	5825	5.14	30.00	30.00
144	5720	5.45	30.00	30.00

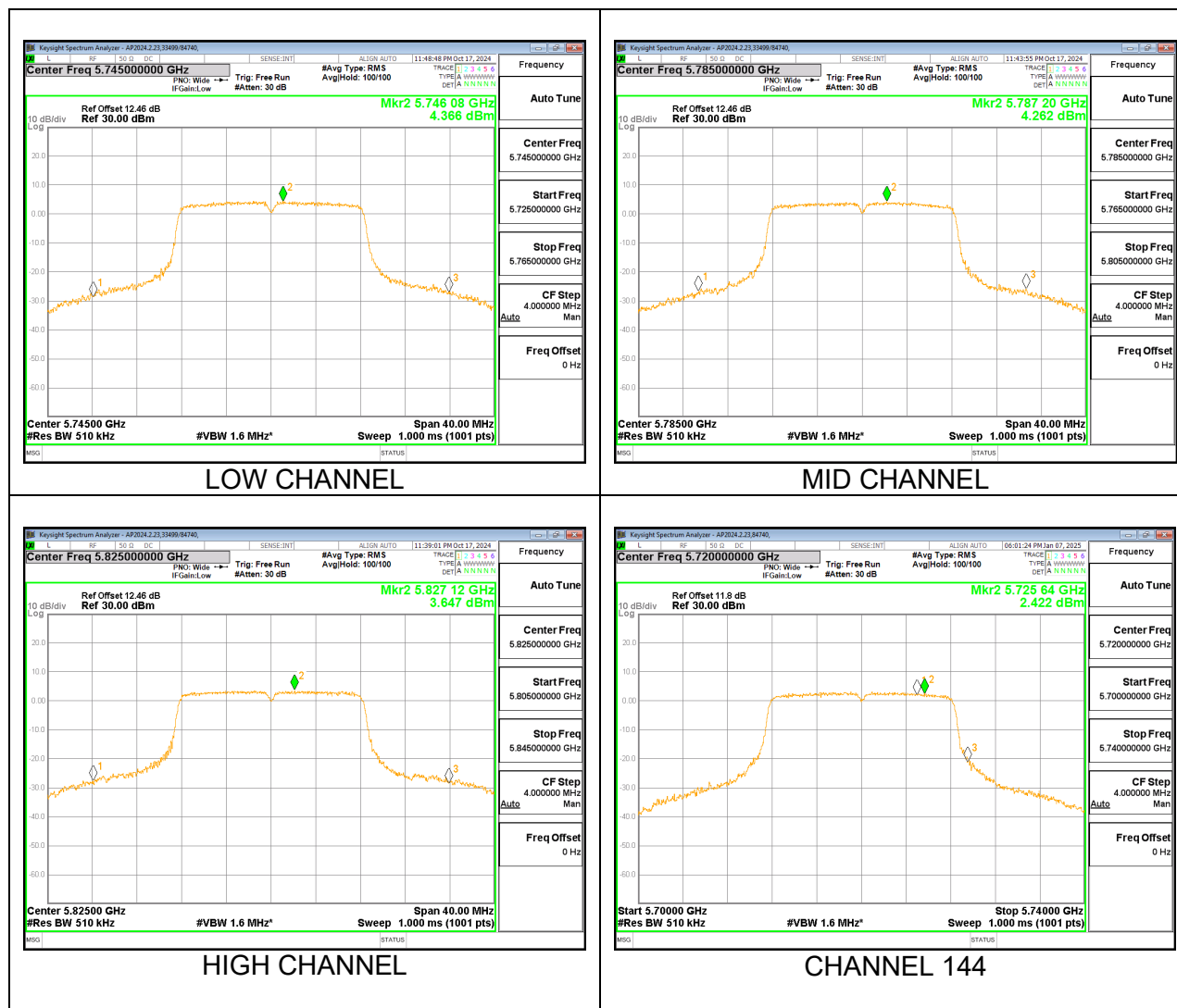
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.98	17.98	30.00	-12.02
Mid	5785	17.96	17.96	30.00	-12.04
High	5825	17.62	17.62	30.00	-12.38
144	5720	17.68	17.95	30.00	-12.05

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.905	-0.635	30.00	-30.64
Mid	5785	2.962	3.232	30.00	-26.77
High	5825	4.896	5.166	30.00	-24.83
144	5720	2.422	2.692	30.00	-27.31



1TX Antenna 2 MODE (FCC + IC)**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	4.47	30.00	30.00
Mid	5785	4.48	30.00	30.00
High	5825	4.15	30.00	30.00
144	5720	4.47	30.00	30.00

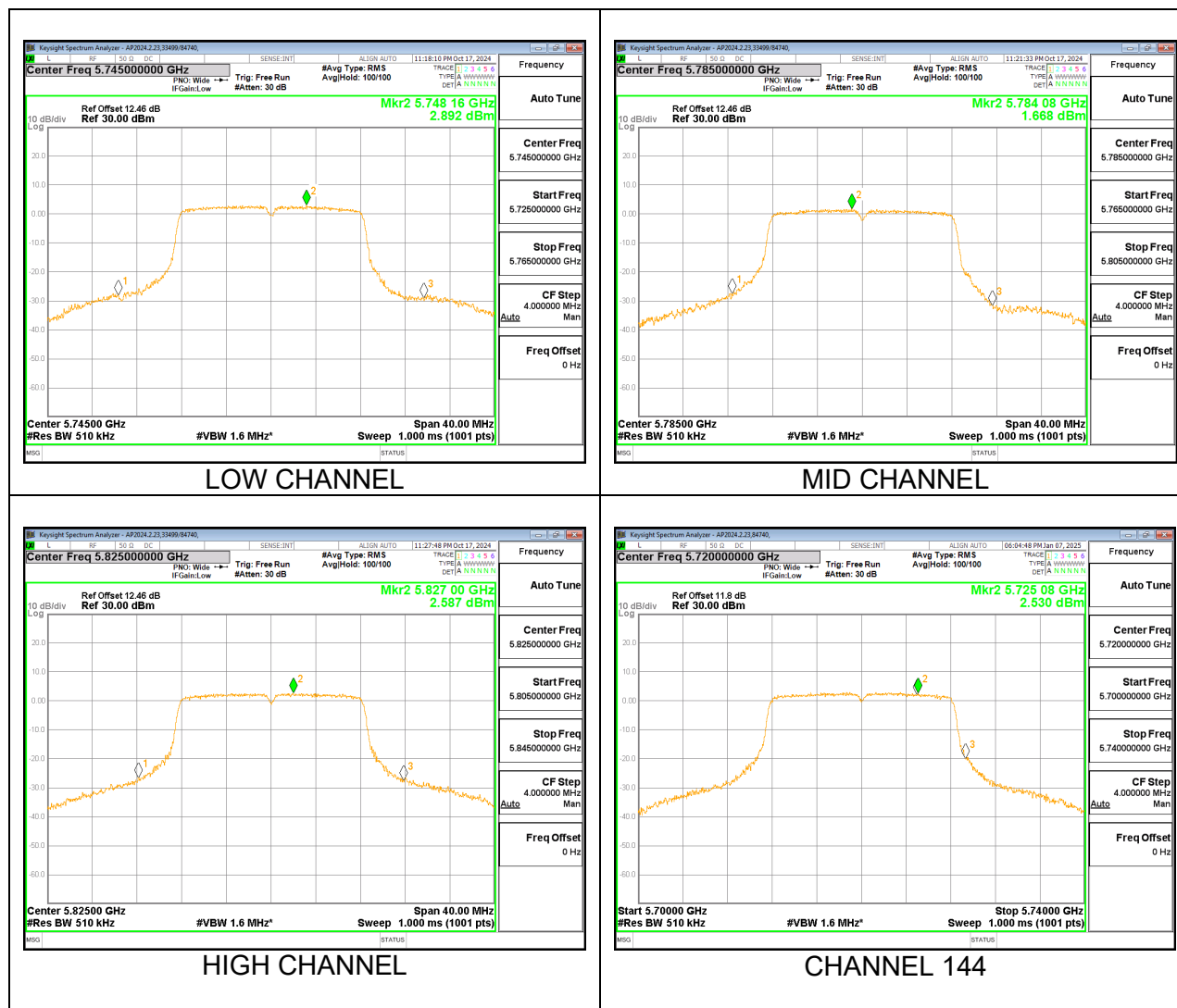
Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.195	17.195	30.00	-12.81
Mid	5785	17.210	17.210	30.00	-12.79
High	5825	17.283	17.283	30.00	-12.72
144	5720	17.520	17.790	30.00	-12.21

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.905	-0.635	30.00	-30.64
Mid	5785	2.962	3.232	30.00	-26.77
High	5825	4.896	5.166	30.00	-24.83
144	5720	2.530	2.800	30.00	-27.20



9.5.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC + IC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	5.45	30.00	30.00
Mid	5785	5.32	30.00	30.00
High	5825	5.14	30.00	30.00
144	5720	5.45	30.00	30.00

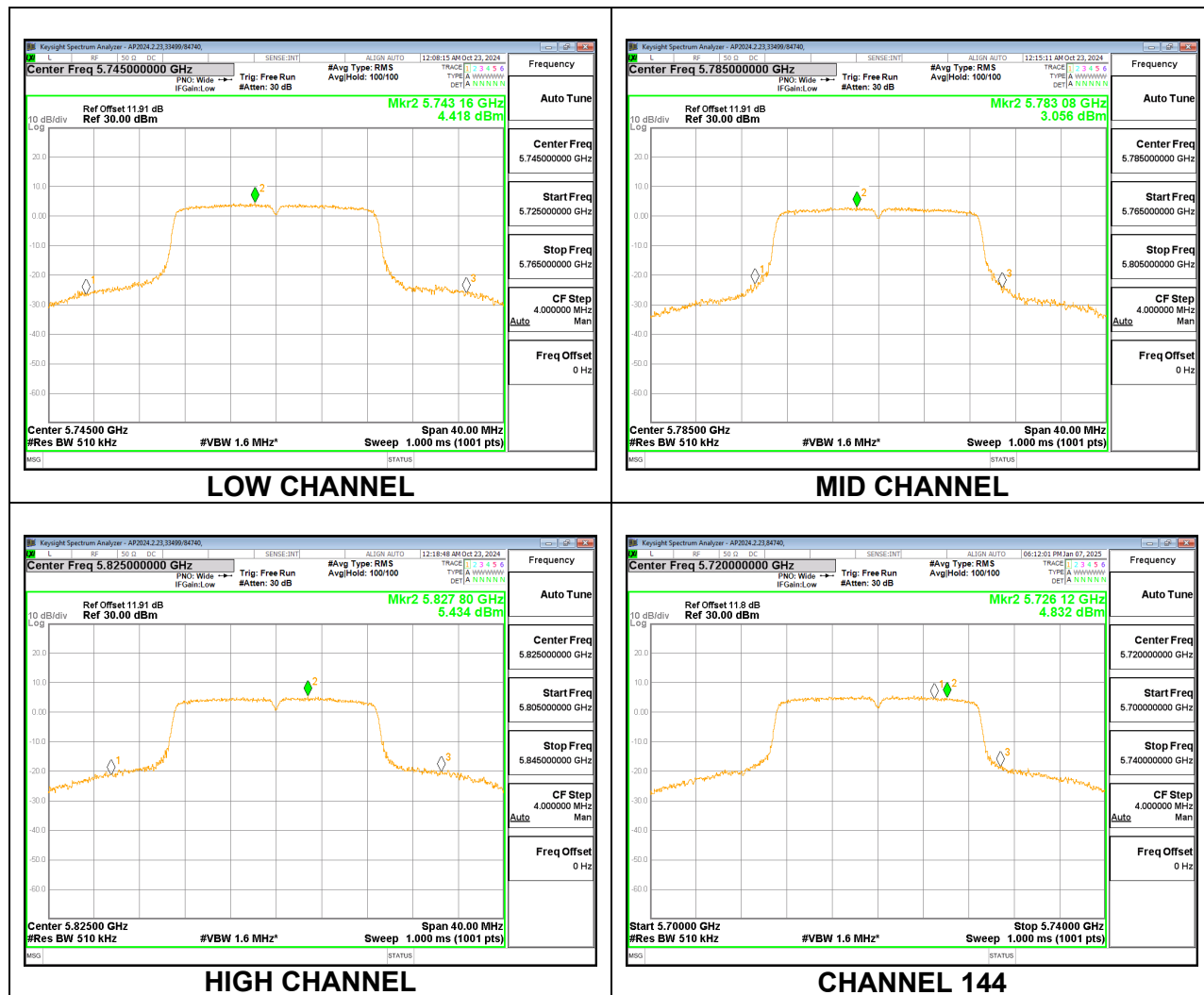
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.443	17.443	30.00	-12.56
Mid	5785	16.462	16.462	30.00	-13.54
High	5825	18.482	18.482	30.00	-11.52
144	5720	16.530	16.790	30.00	-13.21

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.905	-0.645	30.00	-30.65
Mid	5785	2.962	3.222	30.00	-26.78
High	5825	4.896	5.156	30.00	-24.84
144	5720	4.832	5.092	30.00	-24.91



1TX Antenna 2 MODE (FCC + IC)**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	4.47	30.00	30.00
Mid	5785	4.48	30.00	30.00
High	5825	4.15	30.00	30.00
144	5720	4.47	30.00	30.00

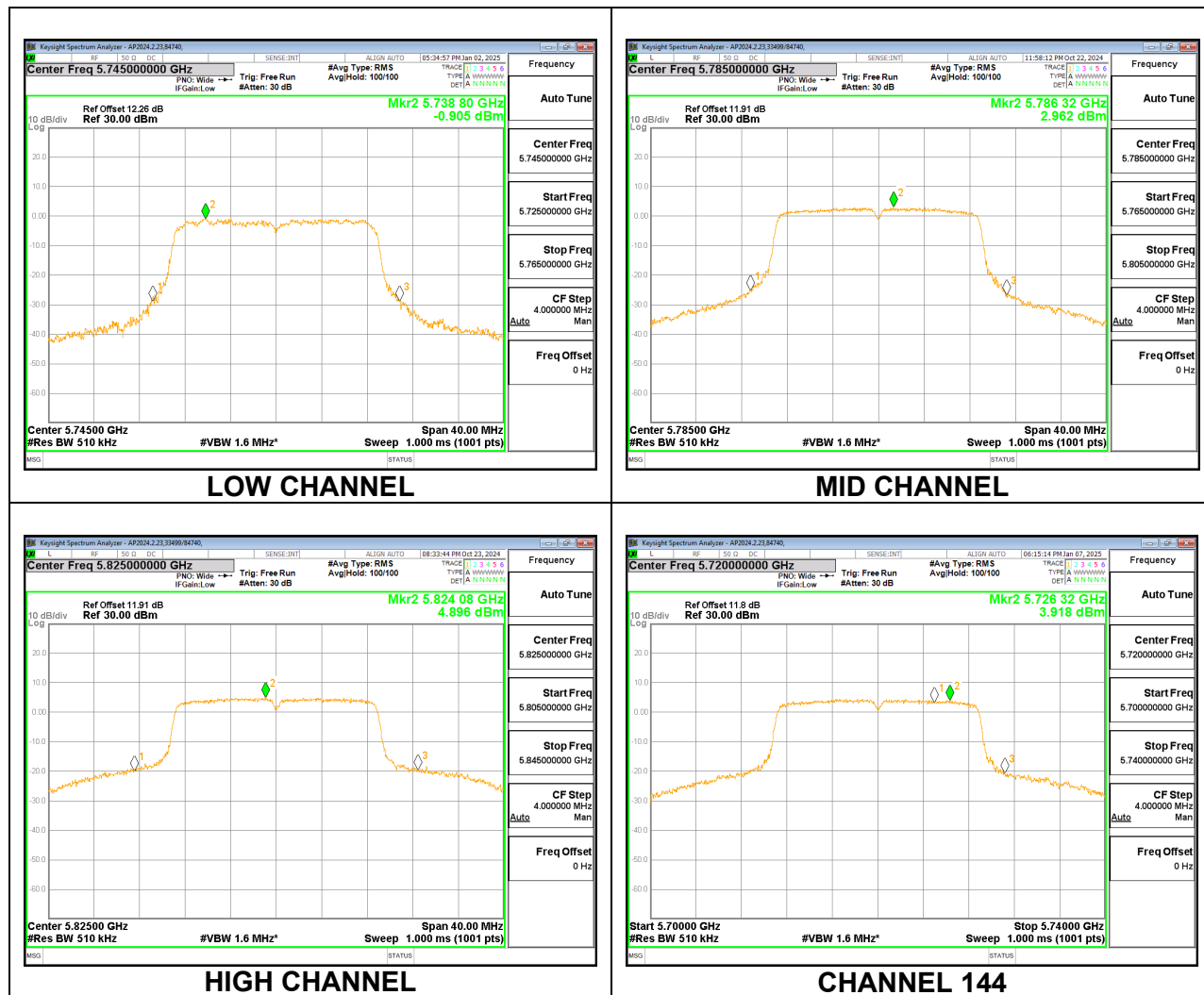
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	16.890	16.890	30.00	-13.11
Mid	5785	16.190	16.190	30.00	-13.81
High	5825	18.580	18.580	30.00	-11.42
144	5720	16.890	17.150	30.00	-12.85

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.905	-0.645	30.00	-30.65
Mid	5785	2.962	3.222	30.00	-26.78
High	5825	4.896	5.156	30.00	-24.84
144	5720	3.918	4.178	30.00	-25.82



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

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

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

RSS 247 Issue 3 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-
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 3 MHz 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 9 kHz 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, middle, 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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

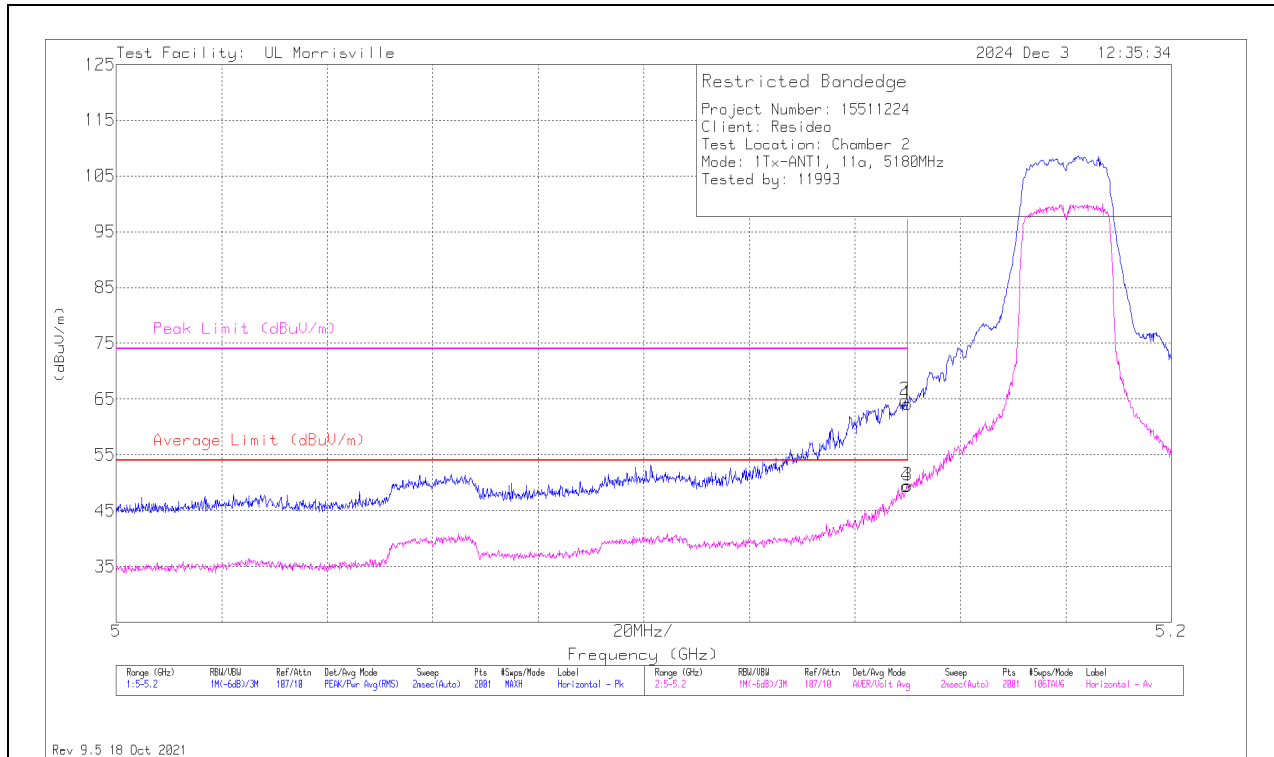
10.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	52.22	Pk	34.1	-22.1	0	64.22	-	-	74	-9.78	13	115	H
2	* ** 5.1495	52.75	Pk	34.1	-22.1	0	64.75	-	-	74	-9.25	13	115	H
3	* ** 5.15	37.04	ADV	34.1	-22.1	.53	49.57	54	-4.43	-	-	13	115	H
4	* ** 5.1498	36.85	ADV	34.1	-22.1	.53	49.38	54	-4.62	-	-	13	115	H

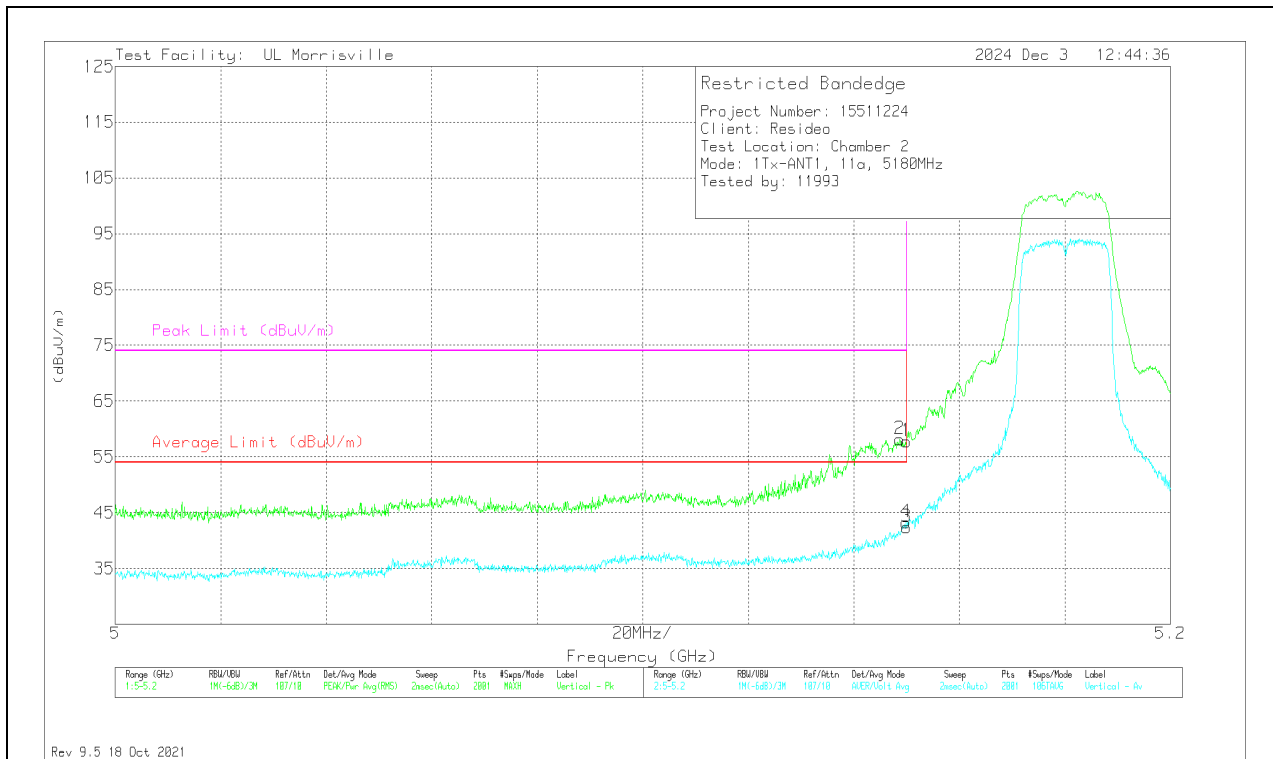
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	45.74	Pk	34.1	-22.1	0	57.74	-	-	74	-16.26	79	110	V
2	*** 5.1487	46.14	Pk	34.1	-22.1	0	58.14	-	-	74	-15.86	79	110	V
3	*** 5.15	29.86	ADV	34.1	-22.1	.53	42.39	54	-11.61	-	-	79	110	V
4	*** 5.1499	30.7	ADV	34.1	-22.1	.53	43.23	54	-10.77	-	-	79	110	V

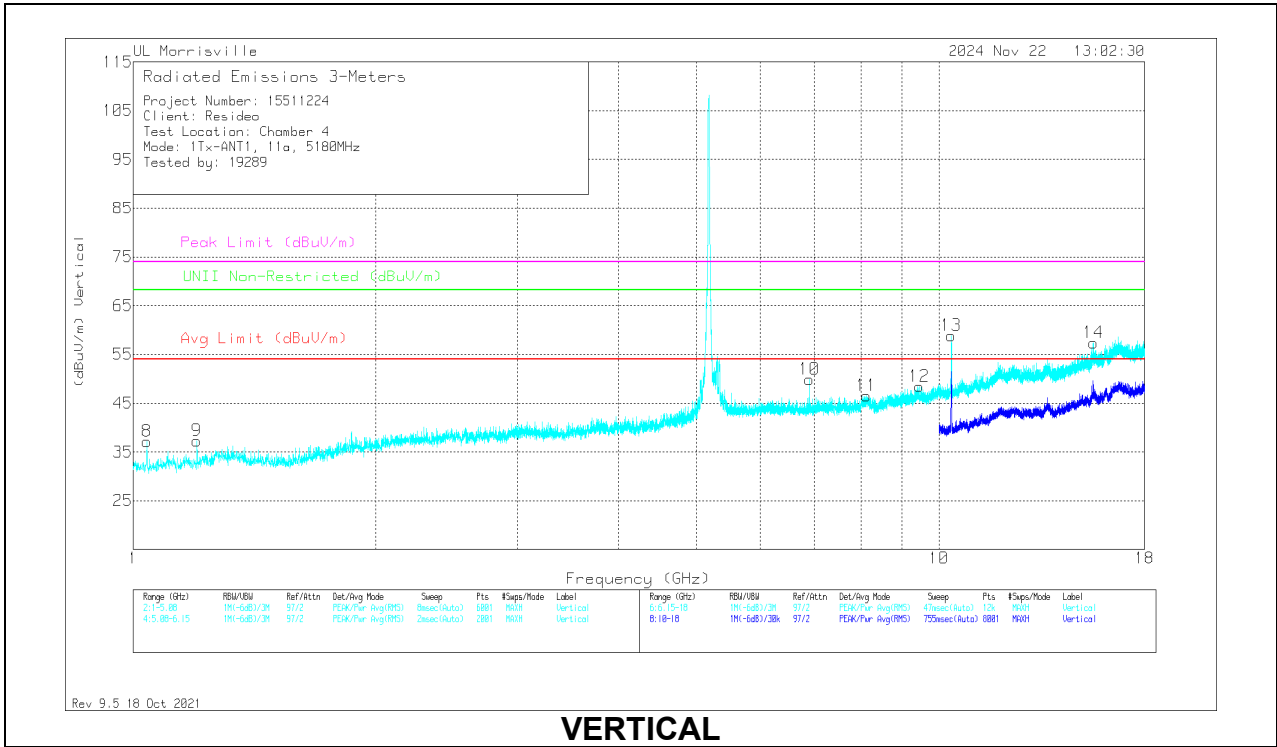
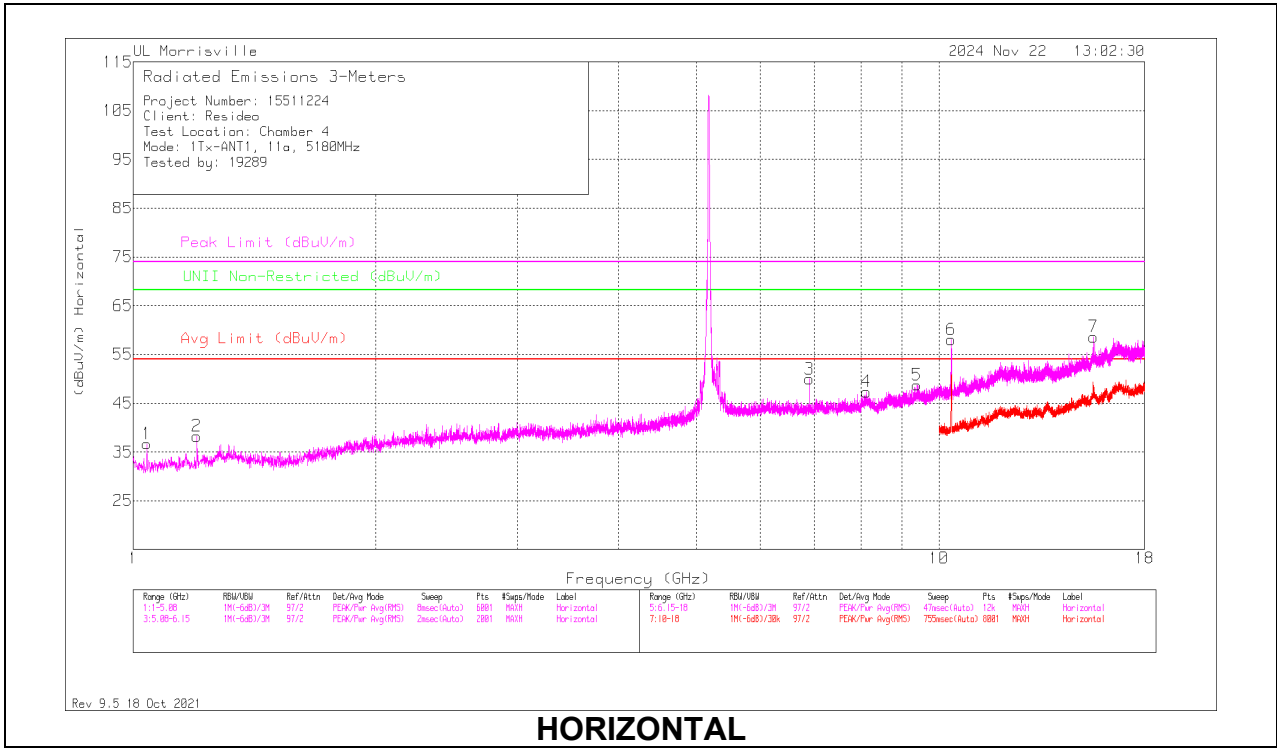
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 1.03944	44.99	Pk	26.8	-35.1	0	36.69	54	-17.31	74	-37.31	-	-	0-360	100	H
2	*** 1.19992	45.7	Pk	28	-35.5	0	38.2	54	-15.8	74	-35.8	-	-	0-360	100	H
8	*** 1.03944	45.5	Pk	26.8	-35.1	0	37.2	54	-16.8	74	-36.8	-	-	0-360	200	V
9	*** 1.19992	44.78	Pk	28	-35.5	0	37.28	54	-16.72	74	-36.72	-	-	0-360	200	V
4	*** 8.12303	38.11	Pk	35.8	-26.6	0	47.31	54	-6.69	74	-26.69	-	-	0-360	100	H
5	*** 9.39347	36.82	PK-U	36.6	-24.7	0	48.72	-	-	74	-25.28	-	-	4	108	H
	*** 9.39558	24.6	ADV	36.6	-24.6	.53	37.13	54	-16.87	-	-	-	-	4	108	H
7	*** 15.54186	36.1	PK-U	40.1	-17.7	0	58.5	-	-	74	-15.5	-	-	309	106	H
	*** 15.54422	23.3	ADV	40.1	-17.7	.53	46.23	54	-7.77	-	-	-	-	309	106	H
11	*** 8.13389	37.44	Pk	35.8	-26.7	0	46.54	54	-7.46	74	-27.46	-	-	0-360	200	V
12	*** 9.45669	36.56	PK-U	36.7	-25.1	0	48.16	-	-	74	-25.84	-	-	199	153	V
	*** 9.45665	24.4	ADV	36.7	-25.1	.53	36.53	54	-17.47	-	-	-	-	199	153	V
14	*** 15.54462	36.69	PK-U	40.1	-17.7	0	59.09	-	-	74	-14.91	-	-	248	194	V
	*** 15.54381	23.72	ADV	40.1	-17.7	.53	46.65	54	-7.35	-	-	-	-	248	194	V
3	6.90643	42.16	Pk	35.5	-27.7	0	49.96	-	-	-	-	68.2	-18.24	0-360	100	H
10	6.90643	42.11	Pk	35.5	-27.7	0	49.91	-	-	-	-	68.2	-18.29	0-360	200	V
13	10.35379	46.16	Pk	37.5	-24.8	0	58.86	-	-	-	-	68.2	-9.34	0-360	200	V
6	10.35774	45.31	Pk	37.5	-24.8	0	58.01	-	-	-	-	68.2	-10.19	0-360	100	H

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

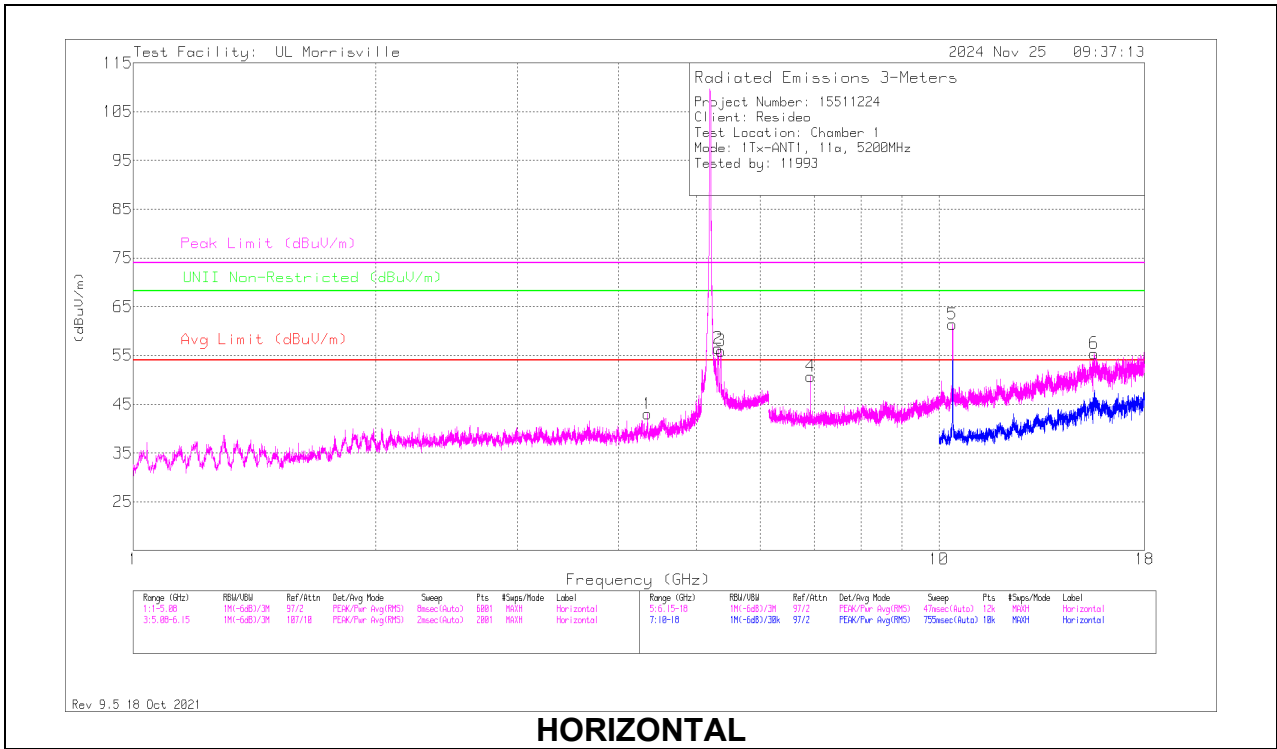
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

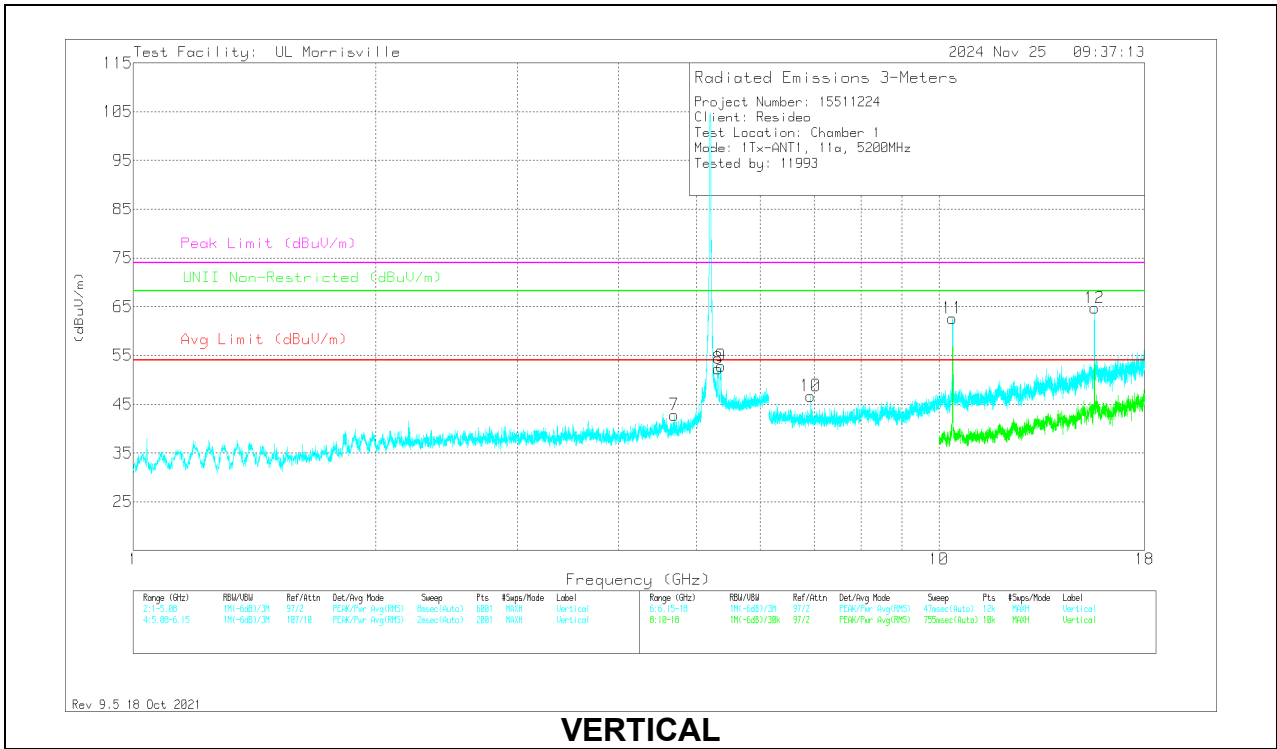
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 4.34832	54.8	Pk	33.7	-45.5	0	43	54	-11	74	-31	-	-	0-360	101	H
7	** 4.6958	54.35	Pk	33.8	-45.3	0	42.85	54	-11.15	74	-31.15	-	-	0-360	200	V
3	*** 5.36215	46.54	PK-U	34.3	-23.2	0	57.64	-	-	74	-16.36	-	-	296	110	H
	*** 5.36261	35.77	ADV	34.3	-23.2	.53	47.4	54	-6.6	-	-	-	-	296	110	H
9	*** 5.35555	42.93	PK-U	34.3	-23.2	0	54.03	-	-	74	-19.97	-	-	249	106	V
	** 5.3561	32.11	ADV	34.3	-23.2	.53	43.74	54	-10.26	-	-	-	-	249	106	V
6	*** 15.59583	52.77	PK-U	40.8	-34.9	0	58.67	-	-	74	-15.33	-	-	313	110	H
	** 15.60213	39.02	ADV	40.8	-35.7	.53	44.65	54	-9.35	-	-	-	-	313	110	H
12	** 15.59608	60.45	PK-U	40.8	-35	0	66.25	-	-	74	-7.75	-	-	265	108	V
	*** 15.60222	45.53	ADV	40.8	-35.7	.53	51.16	54	-2.84	-	-	-	-	265	108	V
8	5.31594	40.77	Pk	34.3	-22.8	0	52.27	-	-	-	-	68.2	-15.93	0-360	101	V
2	5.31808	45.05	Pk	34.3	-22.9	0	56.45	-	-	-	-	68.2	-11.75	0-360	101	H
4	6.93309	57.67	Pk	35.4	-42.4	0	50.67	-	-	-	-	68.2	-17.53	0-360	101	H
10	6.93309	53.71	Pk	35.4	-42.4	0	46.71	-	-	-	-	68.2	-21.49	0-360	101	V
5	10.39921	62.36	Pk	38	-39	0	61.36	-	-	-	-	68.2	-6.84	0-360	101	H
11	10.39898	55.09	PK-U	38	-39	0	54.09	-	-	-	-	68.2	-14.11	275	115	V

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

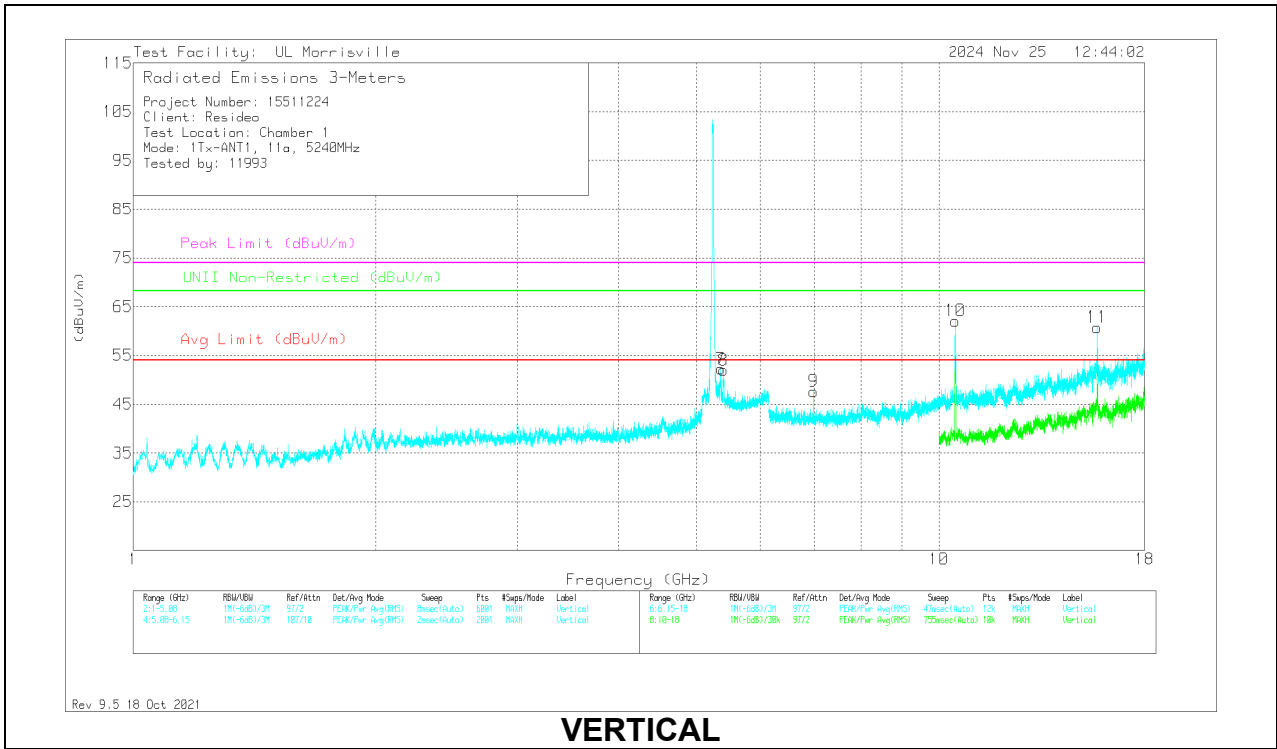
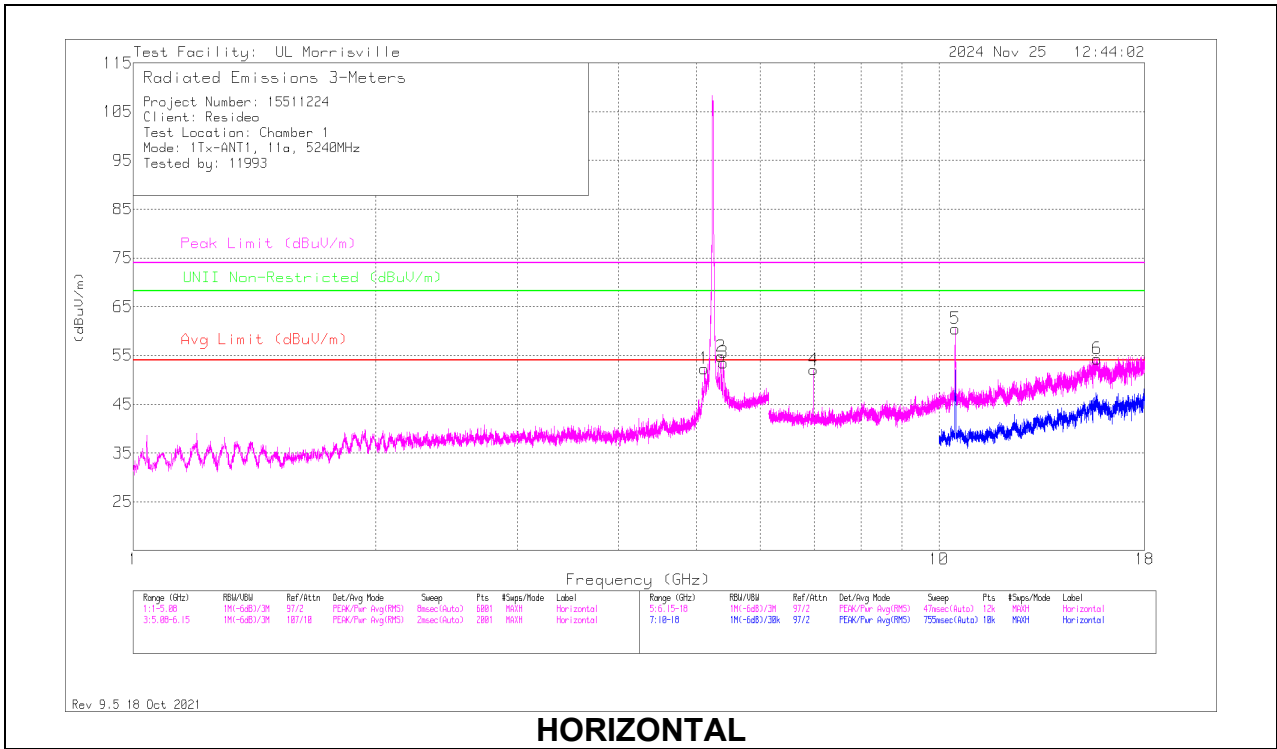
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.11385	42.5	PK-U	34.3	-22.6	0	54.2	-	-	74	-19.8	-	-	308	108	H
	*** 5.11498	30.59	ADV	34.3	-22.6	.53	42.82	54	-11.18	-	-	-	-	308	108	H
2	*** 5.3649	45.81	PK-U	34.3	-23.1	0	57.01	-	-	74	-16.99	-	-	291	101	H
	*** 5.36439	33.35	ADV	34.3	-23.1	.53	45.08	54	-8.92	-	-	-	-	291	101	H
3	*** 5.40443	44.32	PK-U	34.3	-23.1	0	55.52	-	-	74	-18.48	-	-	297	114	H
	*** 5.40435	32.81	ADV	34.3	-23.1	.53	44.54	54	-9.46	-	-	-	-	297	114	H
7	*** 5.36316	42.78	PK-U	34.3	-23.2	0	53.88	-	-	74	-20.12	-	-	233	105	V
	*** 5.36127	30.48	ADV	34.3	-23.2	.53	42.11	54	-11.89	-	-	-	-	233	105	V
8	*** 5.40661	42.36	PK-U	34.3	-23	0	53.66	-	-	74	-20.34	-	-	235	105	V
	*** 5.4039	30.66	ADV	34.3	-23.2	.53	42.29	54	-11.71	-	-	-	-	235	105	V
6	*** 15.72152	50.03	PK-U	40.9	-35	0	55.93	-	-	74	-18.07	-	-	79	120	H
	*** 15.72246	37.14	ADV	40.9	-34.9	.53	43.67	54	-10.33	-	-	-	-	79	120	H
11	*** 15.71457	58.18	PK-U	40.9	-35.3	0	63.78	-	-	74	-10.22	-	-	268	117	V
	*** 15.71589	41.62	ADV	40.9	-35.2	.53	47.85	54	-6.15	-	-	-	-	268	117	V
4	6.98641	59.2	Pk	35.4	-42.5	0	52.1	-	-	-	-	68.2	-16.1	0-360	101	H
9	6.98641	54.67	Pk	35.4	-42.5	0	47.57	-	-	-	-	68.2	-20.63	0-360	101	V
5	10.47962	64.42	PK-U	38	-39.8	0	62.62	-	-	-	-	68.2	-5.58	360	115	H
10	10.47995	66.61	PK-U	38	-39.8	0	64.81	-	-	-	-	68.2	-3.39	235	111	V

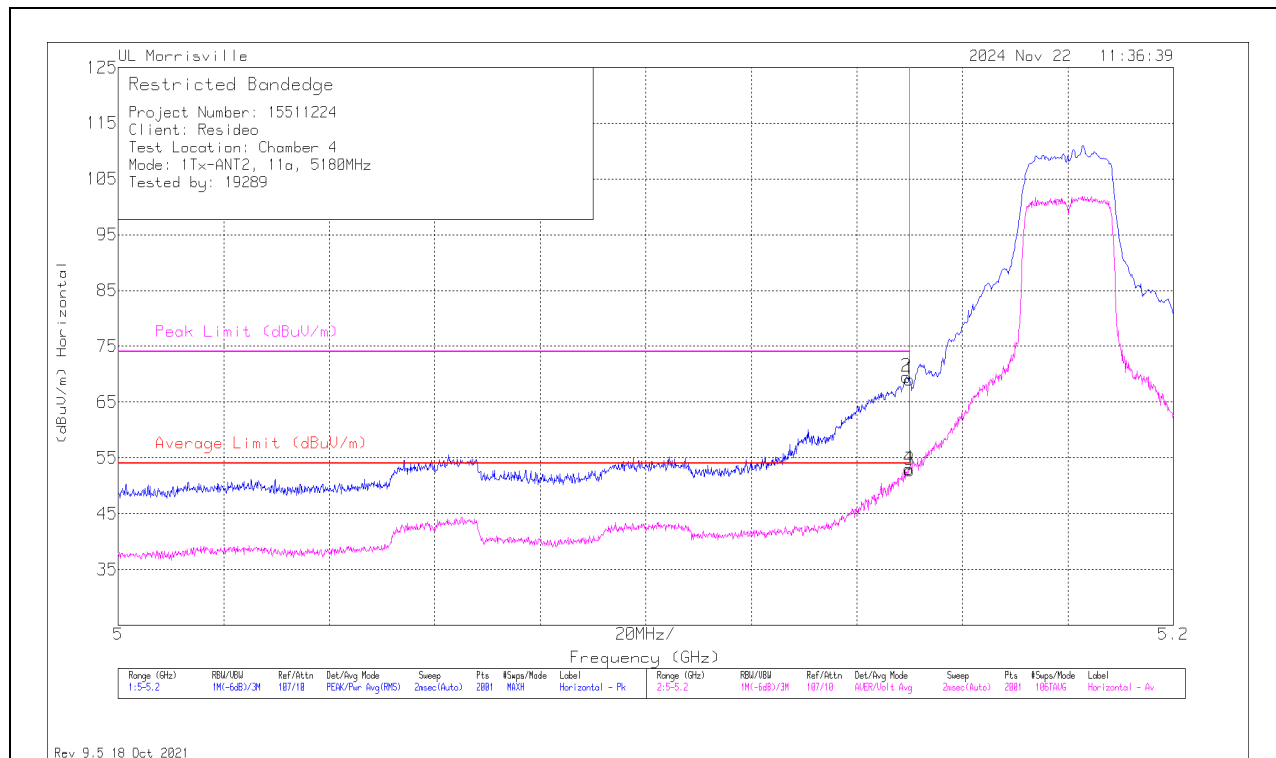
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (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	53.5	Pk	34.2	-18.7	0	69	-	-	74	-5	37	131	H
2	* ** 5.1494	54.06	Pk	34.2	-18.7	0	69.56	-	-	74	-4.44	37	131	H
3	* ** 5.15	36.73	ADV	34.2	-18.7	.53	52.76	54	-1.24	-	-	37	131	H
4	* ** 5.1499	37.01	ADV	34.2	-18.7	.53	53.04	54	-.96	-	-	37	131	H

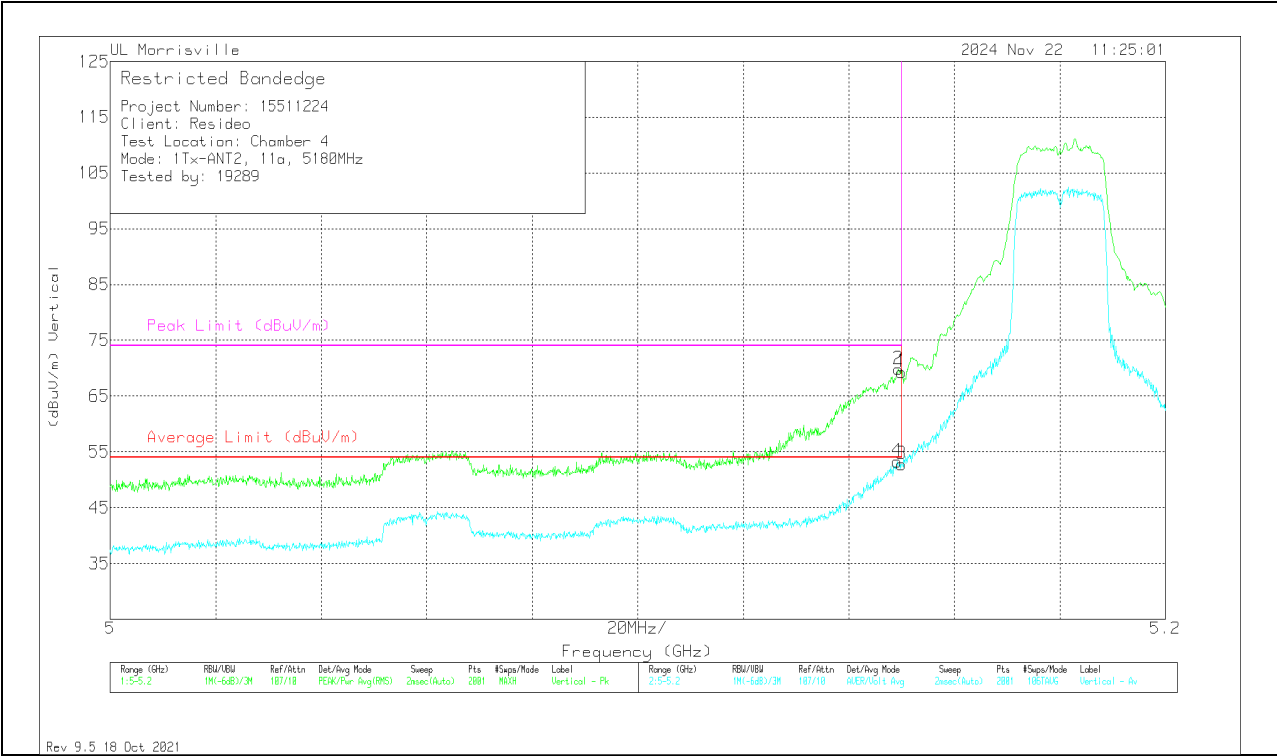
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

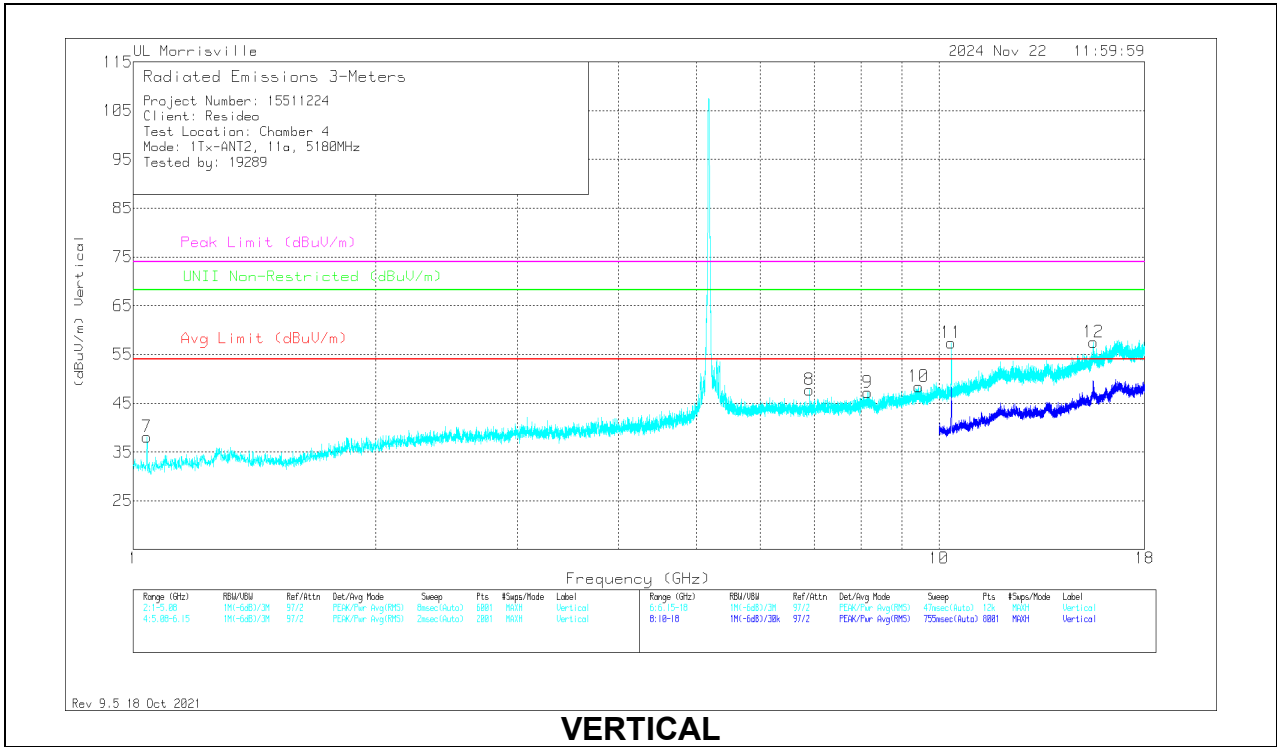
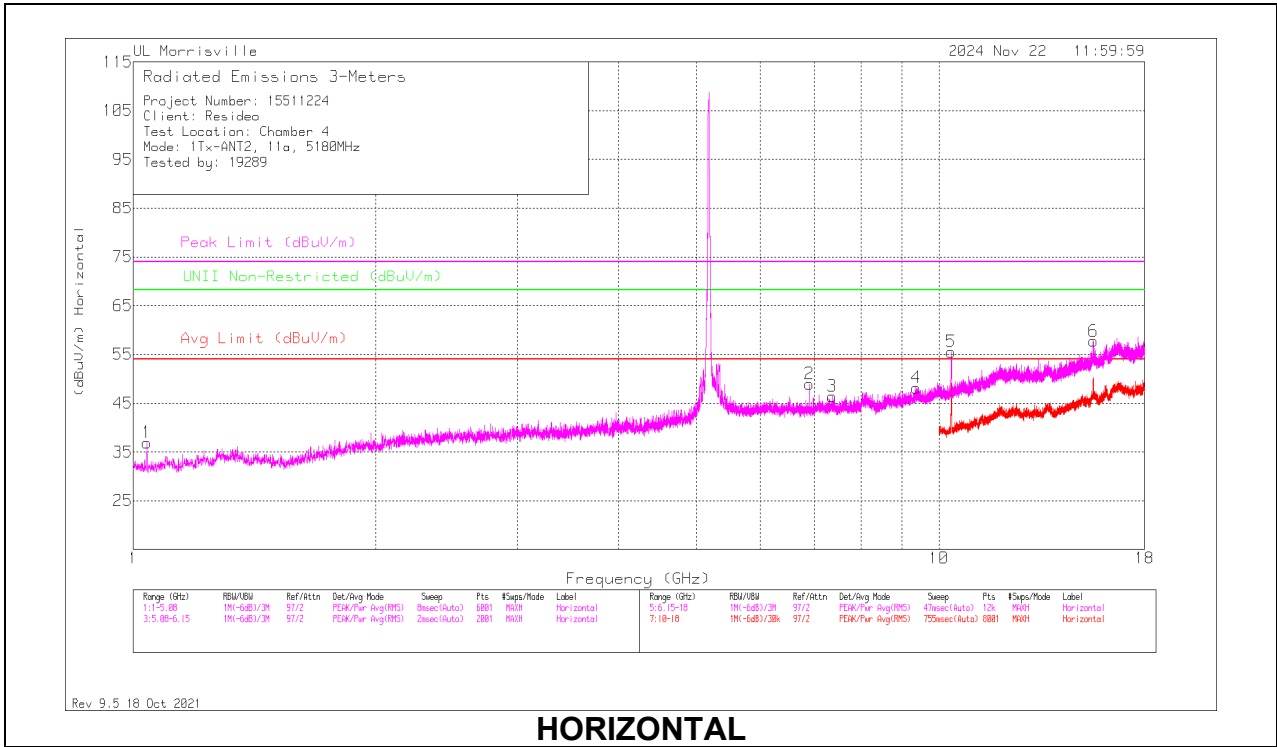
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (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	53.83	Pk	34.2	-18.7	0	69.33	-	-	74	-4.67	37	144	V
2	* ** 5.1494	54.36	Pk	34.2	-18.7	0	69.86	-	-	74	-4.14	37	144	V
3	* ** 5.15	36.71	ADV	34.2	-18.7	.53	52.74	54	-1.26	-	-	37	144	V
4	* ** 5.1491	37.13	ADV	34.2	-18.6	.53	53.26	54	-.74	-	-	37	144	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
ADV - Linear Voltage Average

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 1.03944	45.23	Pk	26.8	-35.1	0	36.93	54	-17.07	74	-37.07	-	-	0-360	100	H
7	*** 1.04012	46.36	Pk	26.8	-35.1	0	38.06	54	-15.94	74	-35.94	-	-	0-360	200	V
3	*** 7.36858	37.66	Pk	35.5	-26.8	0	46.36	54	-7.64	74	-27.64	-	-	0-360	100	H
4	*** 9.37636	37.31	PK-U	36.6	-25.2	0	48.71	-	-	74	-25.29	-	-	192	378	H
	*** 9.38176	24.87	ADV	36.6	-25.1	.53	36.9	54	-17.1	-	-	-	-	192	378	H
6	*** 15.5456	39.57	PK-U	40.1	-17.7	0	61.97	-	-	74	-12.03	-	-	37	170	H
	*** 15.5411	26.07	ADV	40.1	-17.7	.53	49	54	-5	-	-	-	-	37	170	H
9	*** 8.15364	37.98	Pk	35.8	-26.6	0	47.18	54	-6.82	74	-26.82	-	-	0-360	200	V
10	*** 9.44509	36.65	PK-U	36.7	-24.9	0	48.45	-	-	74	-25.55	-	-	77	173	V
	*** 9.44892	24.8	ADV	36.7	-24.9	.53	37.13	54	-16.87	-	-	-	-	77	173	V
12	*** 15.53469	36.37	PK-U	40.1	-17.8	0	58.67	-	-	74	-15.33	-	-	265	322	V
	*** 15.54446	22.71	ADV	40.1	-17.7	.53	45.64	54	-8.36	-	-	-	-	265	322	V
2	6.90643	41.13	Pk	35.5	-27.7	0	48.93	-	-	-	-	68.2	-19.27	0-360	100	H
8	6.90643	39.97	Pk	35.5	-27.7	0	47.77	-	-	-	-	68.2	-20.43	0-360	200	V
11	10.35675	44.72	Pk	37.5	-24.8	0	57.42	-	-	-	-	68.2	-10.78	0-360	200	V
5	10.35873	42.87	Pk	37.5	-24.8	0	55.57	-	-	-	-	68.2	-12.63	0-360	100	H

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

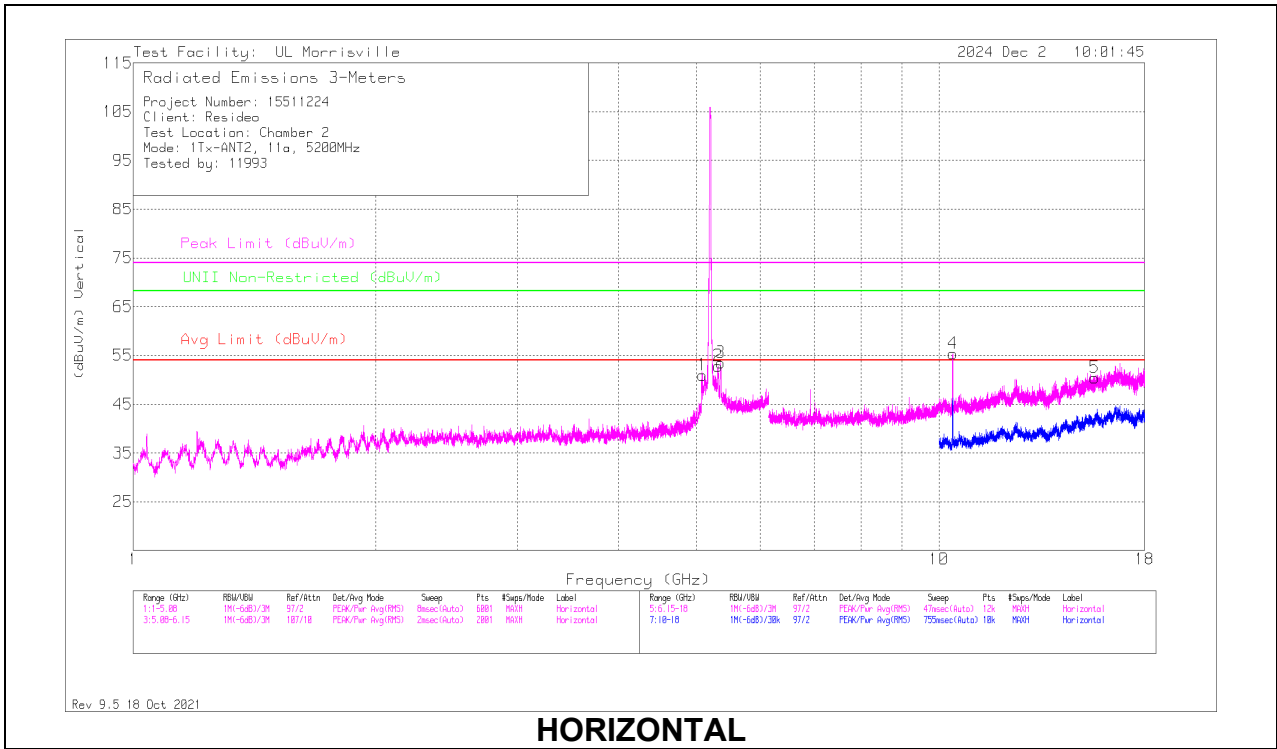
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

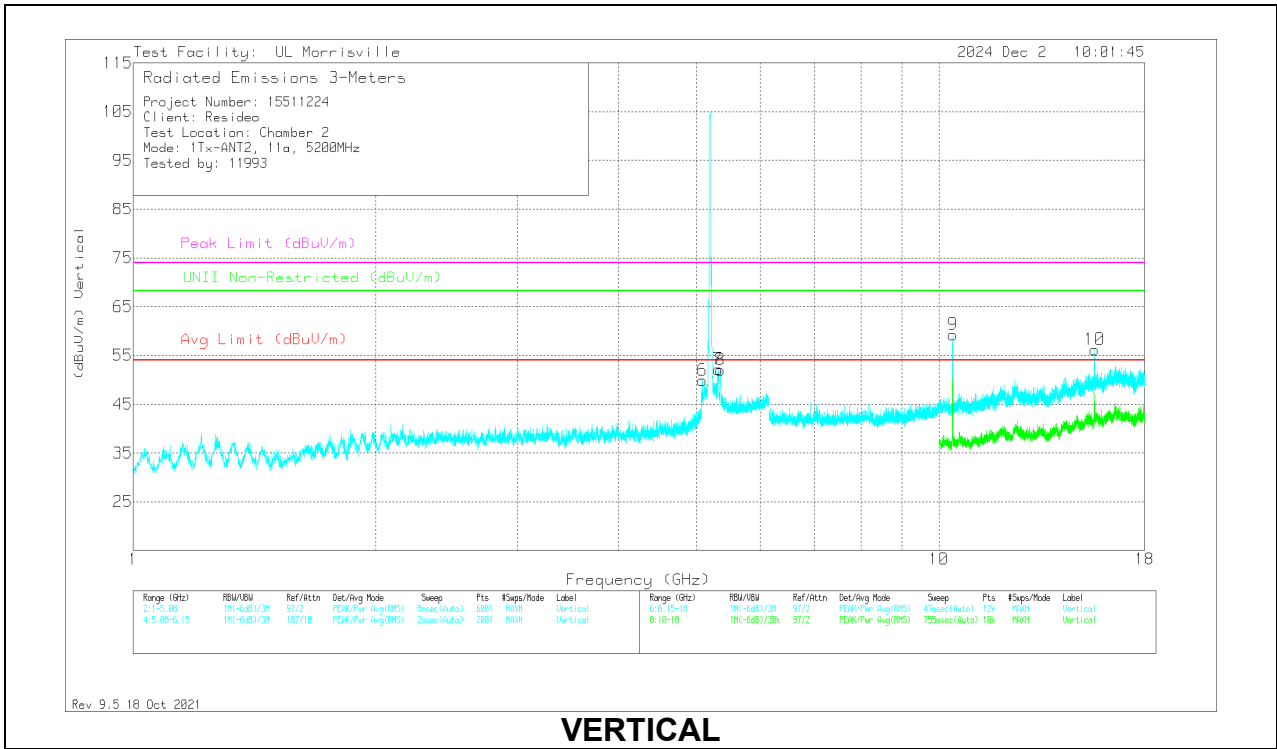
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.08649	41.38	PK-U	34.1	-22	0	53.48	-	-	74	-20.52	-	-	0	101	H
	*** 5.08543	28.94	ADV	34.1	-22	.53	41.57	54	-12.43	-	-	-	-	0	101	H
3	*** 5.36354	44.02	PK-U	34.4	-22.8	0	55.62	-	-	74	-18.38	-	-	52	111	H
	*** 5.36251	31.63	ADV	34.4	-22.8	.53	43.76	54	-10.24	-	-	-	-	52	111	H
6	*** 5.08402	45.06	PK-U	34.1	-22	0	57.16	-	-	74	-16.84	-	-	98	102	V
	*** 5.08491	27.81	ADV	34.1	-22	.53	40.44	54	-13.56	-	-	-	-	98	102	V
8	*** 5.35643	35.25	PK-U	34.4	-22.8	0	46.85	-	-	74	-27.15	-	-	162	369	V
	*** 5.35811	22.6	ADV	34.4	-22.8	.53	34.73	54	-19.27	-	-	-	-	162	369	V
5	*** 15.60341	52.43	PK-U	40.4	-37.1	0	55.73	-	-	74	-18.27	-	-	91	127	H
	*** 15.6029	37.67	ADV	40.4	-37.1	.53	41.5	54	-12.5	-	-	-	-	91	127	H
10	*** 15.60587	56.59	PK-U	40.4	-37.1	0	59.89	-	-	74	-14.11	-	-	308	112	V
	*** 15.60581	41.16	ADV	40.4	-37.1	.53	44.99	54	-9.01	-	-	-	-	308	112	V
2	5.31594	40.8	Pk	34.3	-22.3	0	52.8	-	-	-	-	68.2	-15.4	0-360	101	H
7	5.32129	40.33	Pk	34.3	-22.5	0	52.13	-	-	-	-	68.2	-16.07	0-360	101	V
9	10.40218	62.66	Pk	37.6	-41	0	59.26	-	-	-	-	68.2	-8.94	0-360	101	V
4	10.40514	58.65	Pk	37.6	-40.9	0	55.35	-	-	-	-	68.2	-12.85	0-360	101	H

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

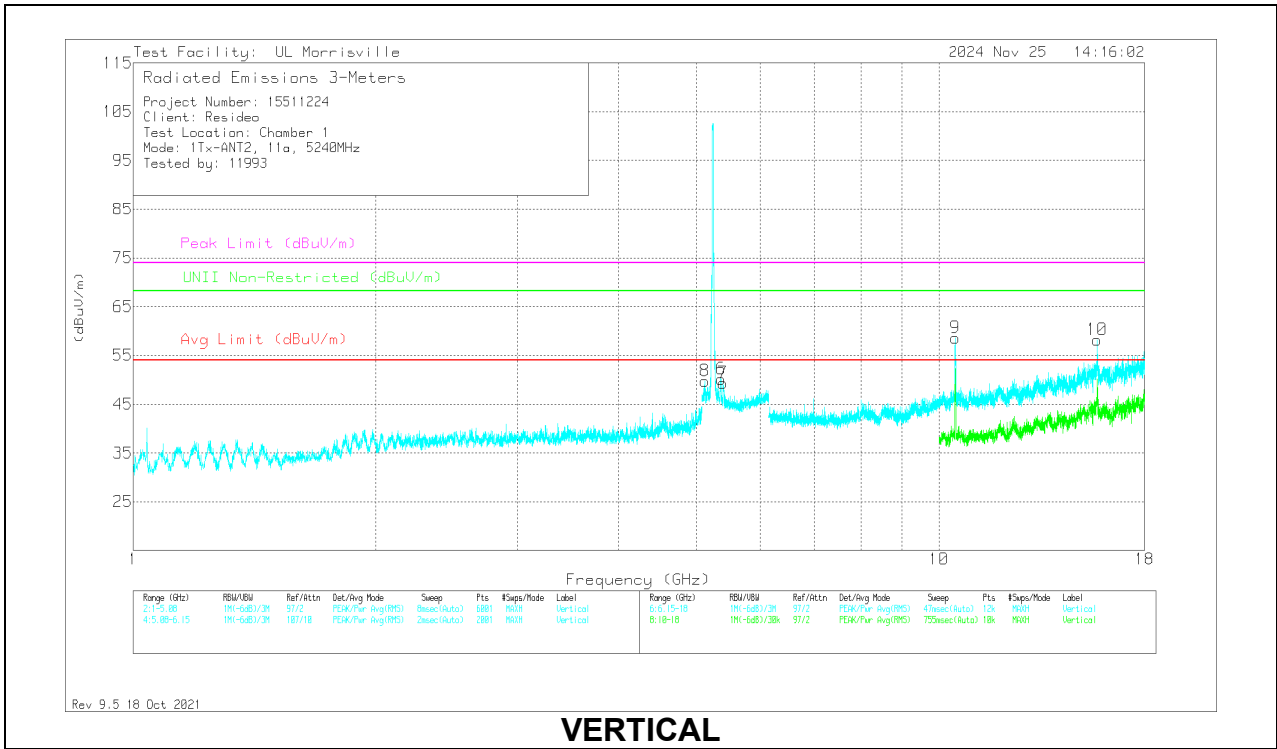
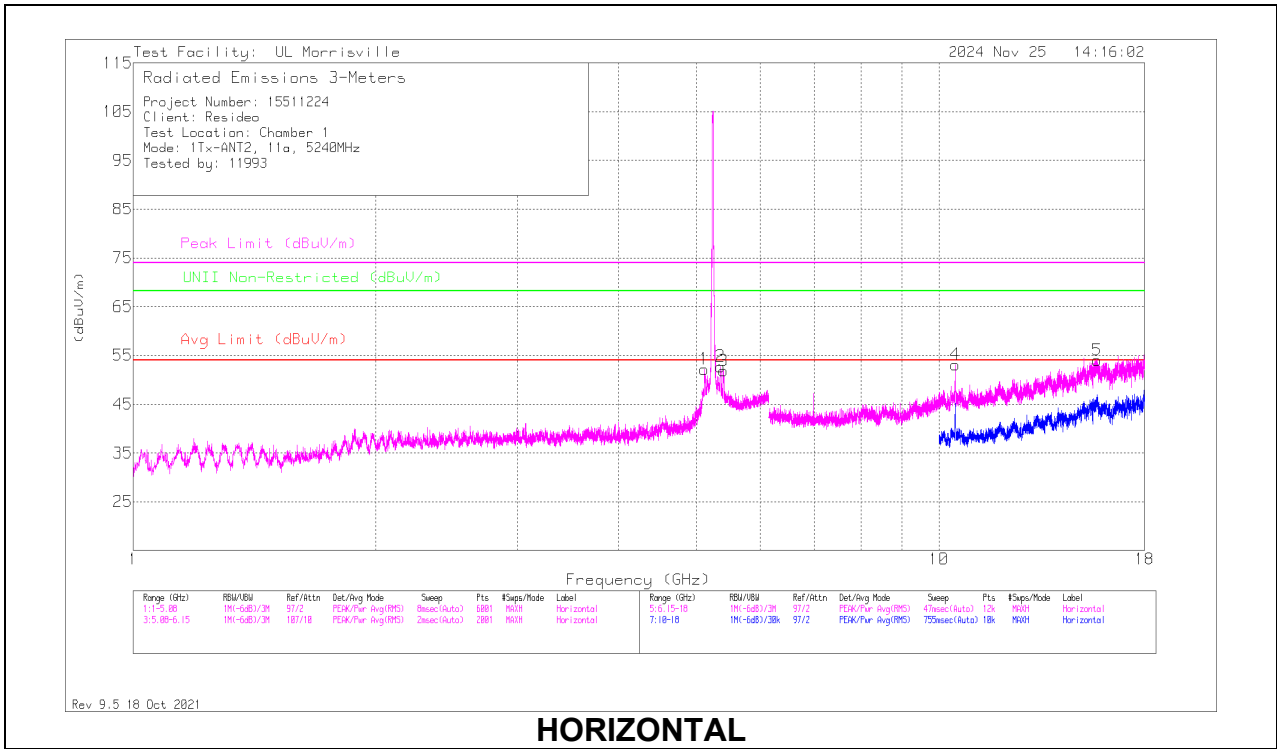
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.11858	42	PK-U	34.3	-22.7	0	53.6	-	-	74	-20.4	-	-	8	114	H
	*** 5.12063	30.68	ADV	34.3	-22.8	.53	42.71	54	-11.29	-	-	-	-	8	114	H
2	*** 5.3582	43.73	PK-U	34.3	-23.2	0	54.83	-	-	74	-19.17	-	-	263	108	H
	*** 5.35691	31.92	ADV	34.3	-23.2	.53	43.55	54	-10.45	-	-	-	-	263	108	H
3	*** 5.4032	43.72	PK-U	34.3	-23.2	0	54.82	-	-	74	-19.18	-	-	271	107	H
	*** 5.40125	31.58	ADV	34.3	-23.3	.53	43.11	54	-10.89	-	-	-	-	271	107	H
6	*** 5.36145	41.15	PK-U	34.3	-23.2	0	52.25	-	-	74	-21.75	-	-	107	101	V
	*** 5.36284	28.73	ADV	34.3	-23.2	.53	40.36	54	-13.64	-	-	-	-	107	101	V
7	*** 5.39369	41.43	PK-U	34.3	-23.3	0	52.43	-	-	74	-21.57	-	-	102	145	V
	*** 5.3971	29.22	ADV	34.3	-23.3	.53	40.75	54	-13.25	-	-	-	-	102	145	V
8	*** 5.12244	40.01	PK-U	34.3	-22.8	0	51.51	-	-	74	-22.49	-	-	128	104	V
	*** 5.12248	27.66	ADV	34.3	-22.8	.53	39.69	54	-14.31	-	-	-	-	128	104	V
5	*** 15.7229	50.49	PK-U	40.9	-34.9	0	56.49	-	-	74	-17.51	-	-	222	136	H
	*** 15.7225	37.59	ADV	40.9	-34.9	.53	44.12	54	-9.88	-	-	-	-	222	136	H
10	*** 15.7234	56.76	PK-U	40.9	-34.9	0	62.76	-	-	74	-11.24	-	-	3	116	V
	*** 15.7207	42.12	ADV	40.9	-35	.53	48.55	54	-5.45	-	-	-	-	3	116	V
4	10.48019	54.99	Pk	38	-39.9	0	53.09	-	-	-	-	68.2	-15.11	0-360	101	H
9	10.48019	60.47	Pk	38	-39.9	0	58.57	-	-	-	-	68.2	-9.63	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

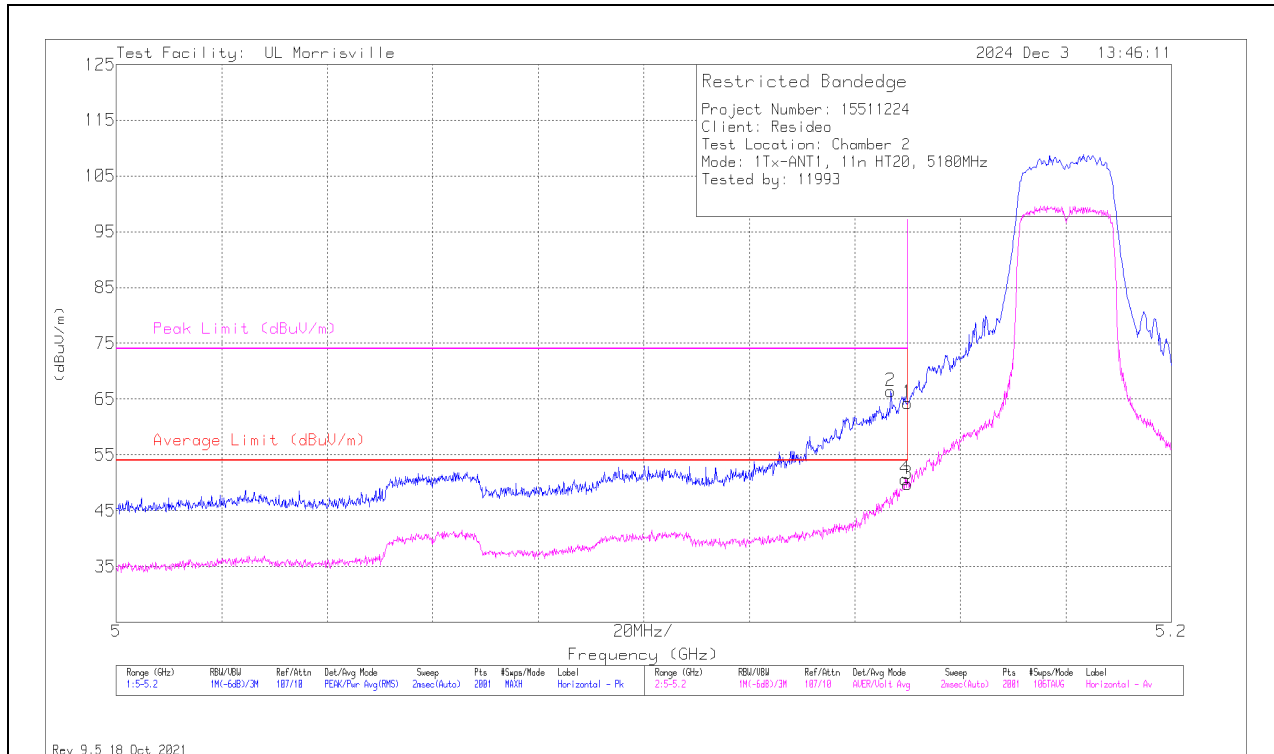
ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	52.26	Pk	34.1	-22.1	0	64.26	-	-	74	-9.74	98	110	H
2	*** 5.1468	54.49	Pk	34.1	-22.2	0	66.39	-	-	74	-7.61	98	110	H
3	*** 5.15	37.22	ADV	34.1	-22.1	.57	49.79	54	-4.21	-	-	98	110	H
4	*** 5.1495	38.11	ADV	34.1	-22.1	.57	50.68	54	-3.32	-	-	98	110	H

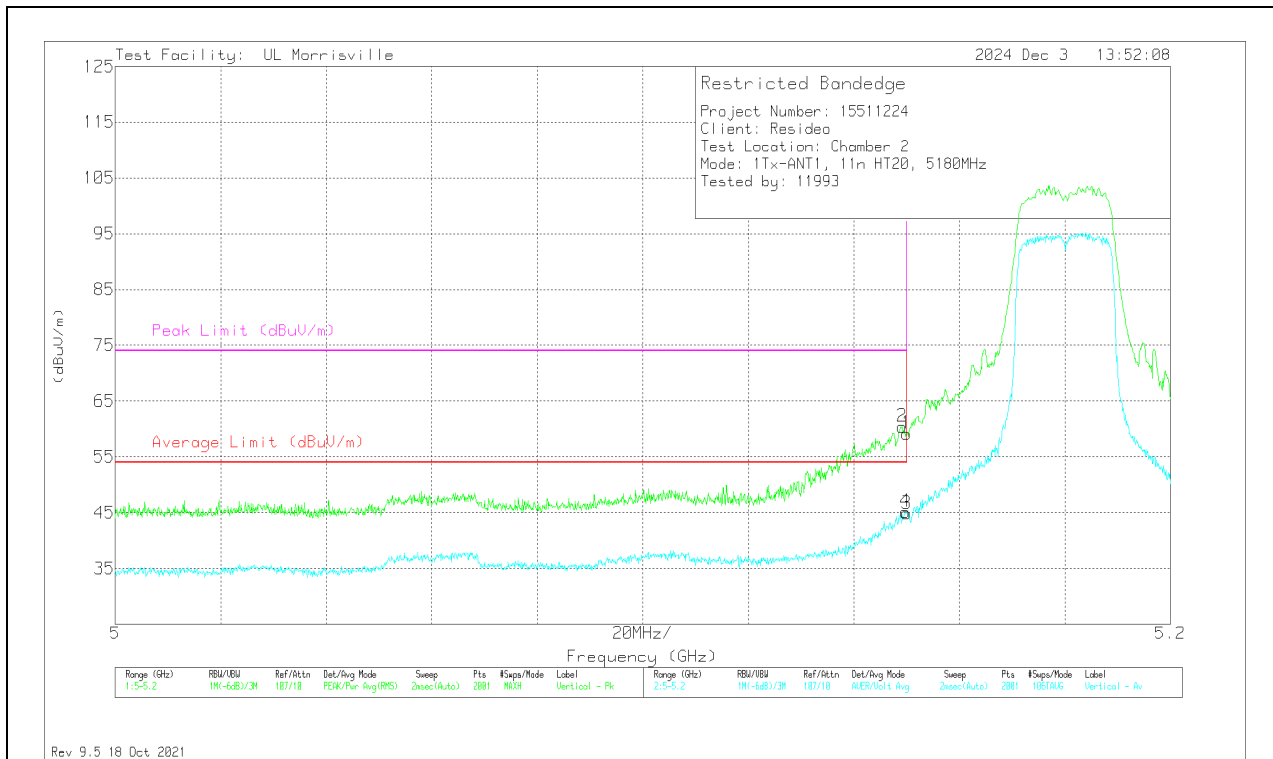
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



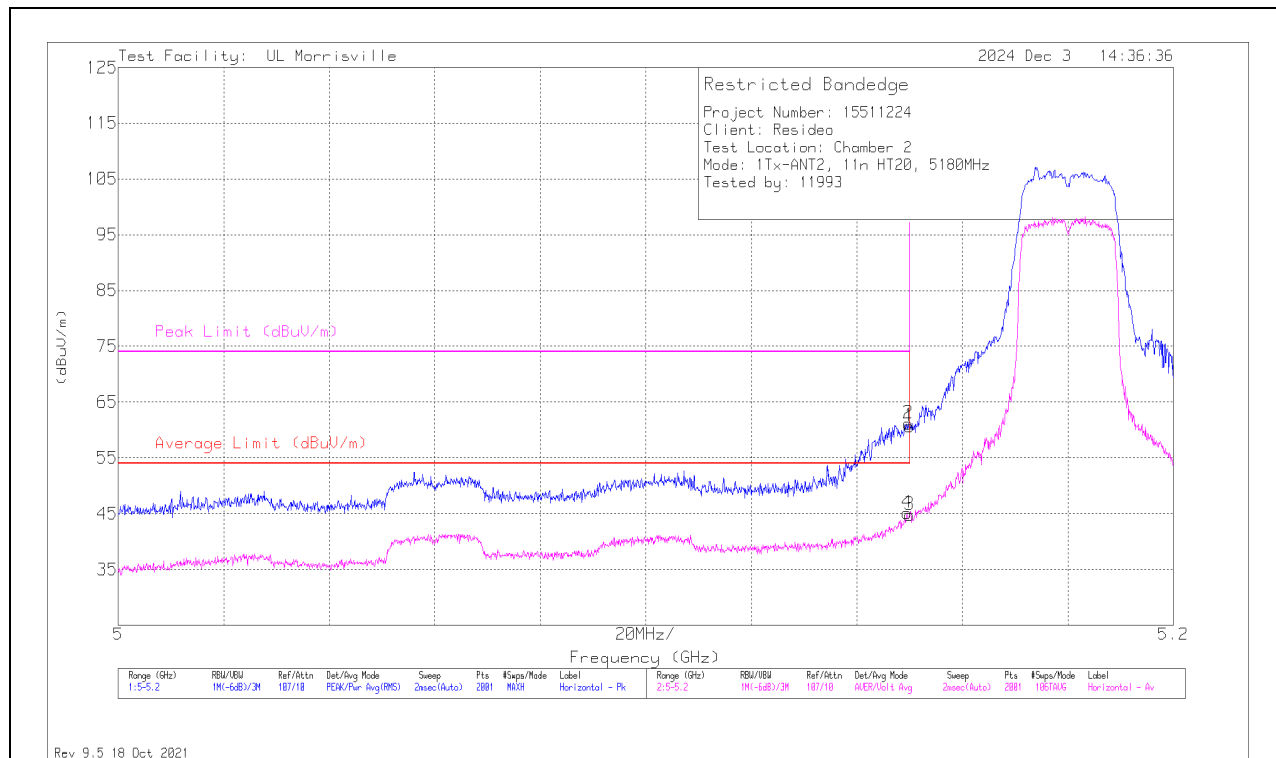
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	47.14	Pk	34.1	-22.1	0	59.14	-	-	74	-14.86	270	129	V
2	*** 5.1492	48.45	Pk	34.1	-22.1	0	60.45	-	-	74	-13.55	270	129	V
3	*** 5.15	32.26	ADV	34.1	-22.1	.57	44.83	54	-9.17	-	-	270	129	V
4	*** 5.1497	32.57	ADV	34.1	-22.1	.57	45.14	54	-8.86	-	-	270	129	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	48.62	Pk	34.1	-22.1	0	60.62	-	-	74	-13.38	349	106	H
2	** 5.1497	49.2	Pk	34.1	-22.1	0	61.2	-	-	74	-12.8	349	106	H
3	*** 5.15	32.23	ADV	34.1	-22.1	.57	44.8	54	-9.2	-	-	349	106	H
4	** 5.1495	32.52	ADV	34.1	-22.1	.57	45.09	54	-8.91	-	-	349	106	H

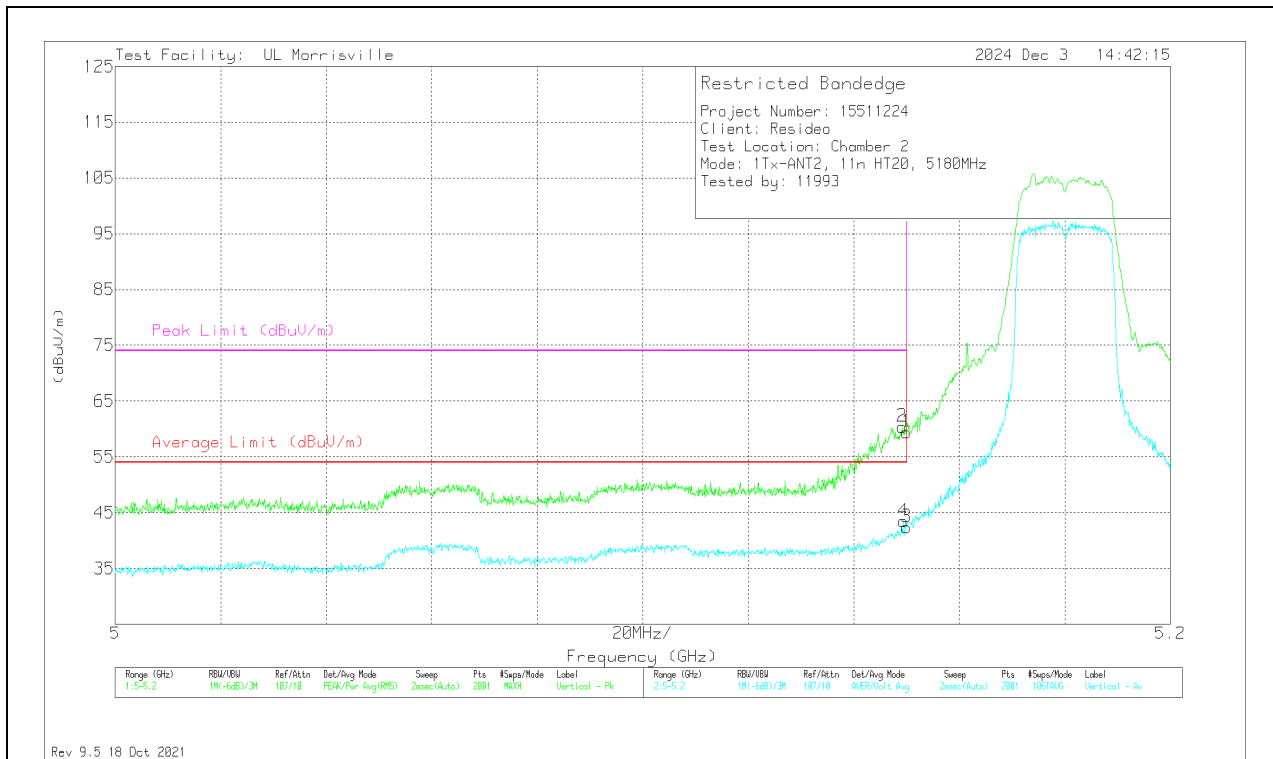
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	47.44	Pk	34.1	-22.1	0	59.44	-	-	74	-14.56	83	101	V
2	*** 5.1491	48.41	Pk	34.1	-22.1	0	60.41	-	-	74	-13.59	83	101	V
3	*** 5.15	29.81	ADV	34.1	-22.1	.57	42.38	54	-11.62	-	-	83	101	V
4	*** 5.1494	30.89	ADV	34.1	-22.1	.57	43.46	54	-10.54	-	-	83	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

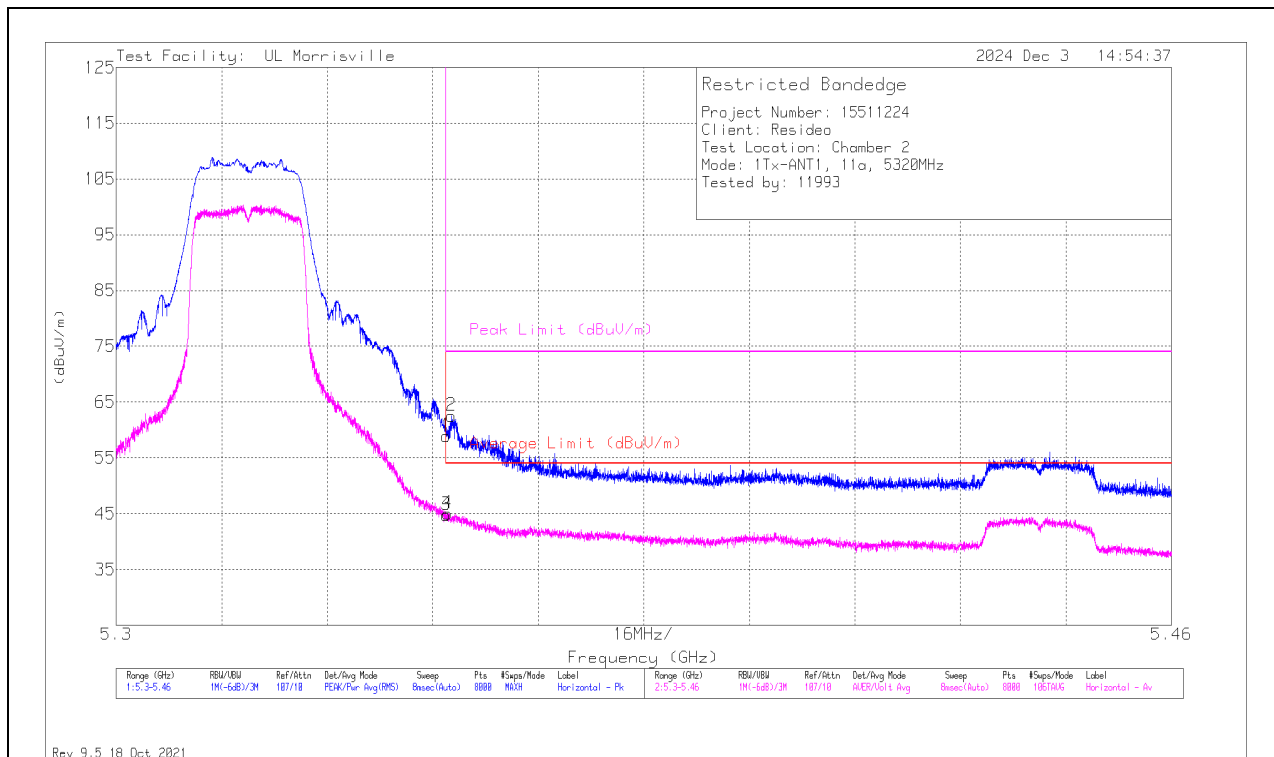
ADV - Linear Voltage Average

10.1.3. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	47.13	Pk	34.4	-22.6	0	58.93	-	-	74	-15.07	6	105	H
2	* ** 5.35085	50.86	Pk	34.4	-22.7	0	62.56	-	-	74	-11.44	6	105	H
3	* ** 5.35001	32.45	ADV	34.4	-22.6	.53	44.78	54	-9.22	-	-	6	105	H
4	* ** 5.35027	32.71	ADV	34.4	-22.6	.53	45.04	54	-8.96	-	-	6	105	H

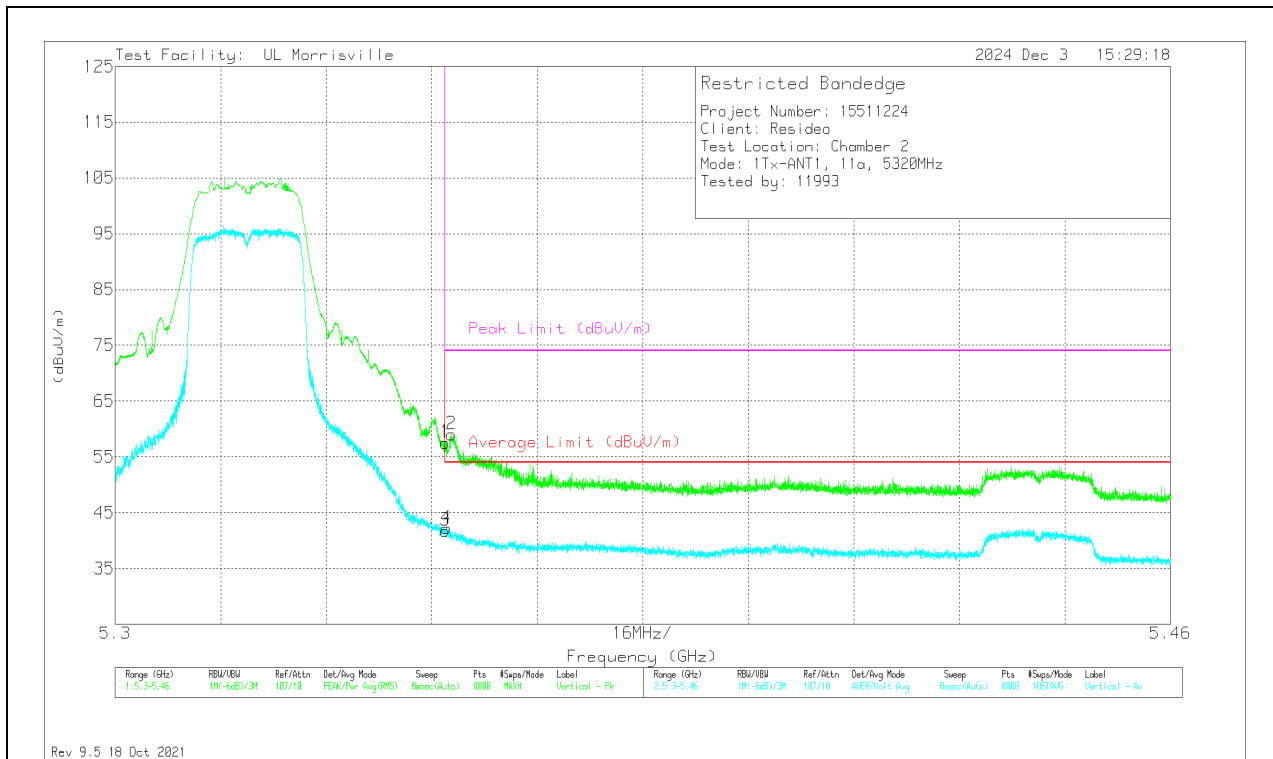
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	45.69	Pk	34.4	-22.6	0	57.49	-	-	74	-16.51	302	112	V
2	* ** 5.35103	47.3	Pk	34.4	-22.7	0	59	-	-	74	-15	302	112	V
3	* ** 5.35001	29.43	ADV	34.4	-22.6	.54	41.77	54	-12.23	-	-	302	112	V
4	* ** 5.35023	29.86	ADV	34.4	-22.6	.54	42.2	54	-11.8	-	-	302	112	V

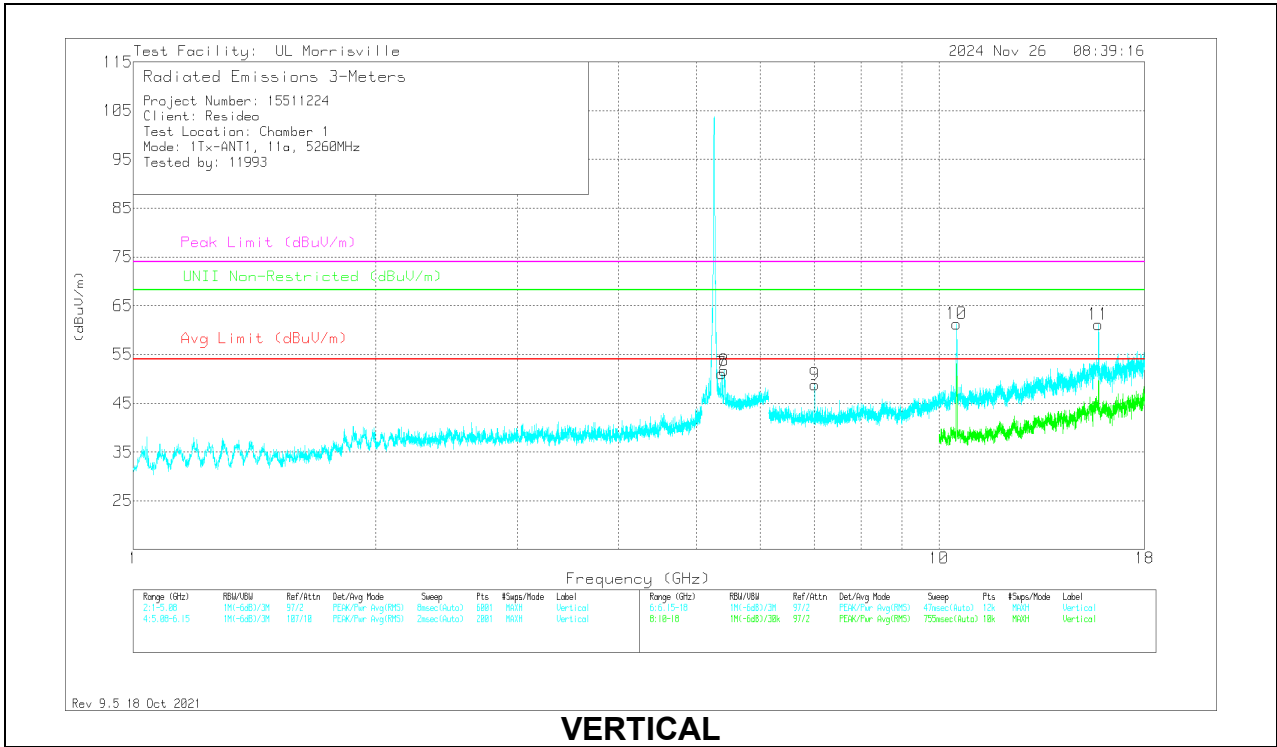
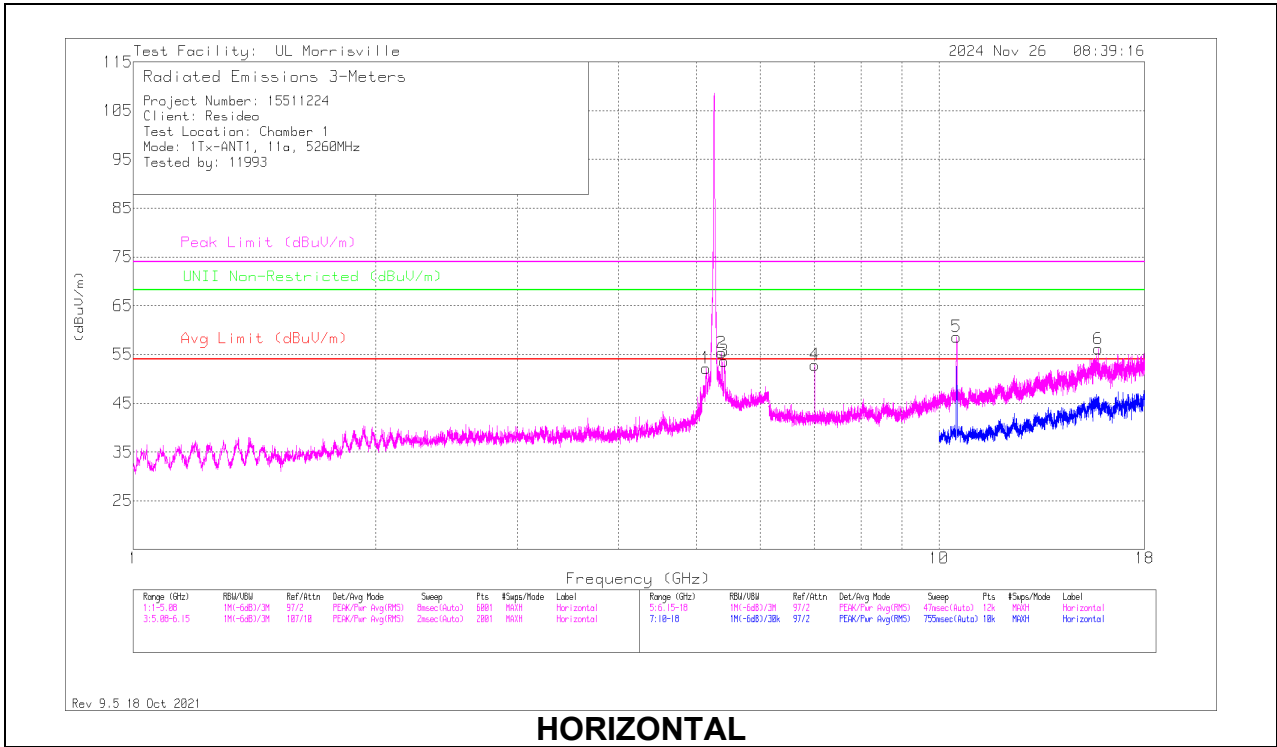
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.14323	42.9	PK-U	34.3	-22.4	0	54.8	-	-	74	-19.2	-	-	312	102	H
	** 5.14294	30.9	ADV	34.3	-22.4	.53	43.33	54	-10.67	-	-	-	-	312	102	H
2	*** 5.375	44.9	PK-U	34.3	-22.8	0	56.4	-	-	74	-17.6	-	-	299	104	H
	*** 5.37655	32.69	ADV	34.3	-22.7	.53	44.82	54	-9.18	-	-	-	-	299	104	H
3	*** 5.41608	41.13	PK-U	34.3	-22.8	0	52.63	-	-	74	-21.37	-	-	290	172	H
	*** 5.418	29.33	ADV	34.3	-22.8	.53	41.36	54	-12.64	-	-	-	-	290	172	H
7	*** 5.37847	41.28	PK-U	34.3	-22.6	0	52.98	-	-	74	-21.02	-	-	252	111	V
	*** 5.37734	29.8	ADV	34.3	-22.7	.53	41.93	54	-12.07	-	-	-	-	252	111	V
8	*** 5.41507	41.87	PK-U	34.3	-22.7	0	53.47	-	-	74	-20.53	-	-	239	113	V
	*** 5.41633	30.36	ADV	34.3	-22.8	.53	42.39	54	-11.61	-	-	-	-	239	113	V
6	*** 15.7732	51.27	PK-U	40.8	-35	0	57.07	-	-	74	-16.93	-	-	150	121	H
	*** 15.77583	37.47	ADV	40.8	-35.3	.53	43.5	54	-10.5	-	-	-	-	150	121	H
11	*** 15.77165	58.68	PK-U	40.8	-35.2	0	64.28	-	-	74	-9.72	-	-	230	104	V
	*** 15.77541	42.5	ADV	40.8	-35.3	.53	48.53	54	-5.47	-	-	-	-	230	104	V
4	7.01308	59.78	Pk	35.4	-42.3	0	52.88	-	-	-	-	68.2	-15.32	0-360	101	H
9	7.01308	55.7	Pk	35.4	-42.3	0	48.8	-	-	-	-	68.2	-19.4	0-360	101	V
5	10.51574	60.75	Pk	38	-40.1	0	58.65	-	-	-	-	68.2	-9.55	0-360	101	H
10	10.51969	63.5	Pk	38	-40.2	0	61.3	-	-	-	-	68.2	-6.9	0-360	101	V

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

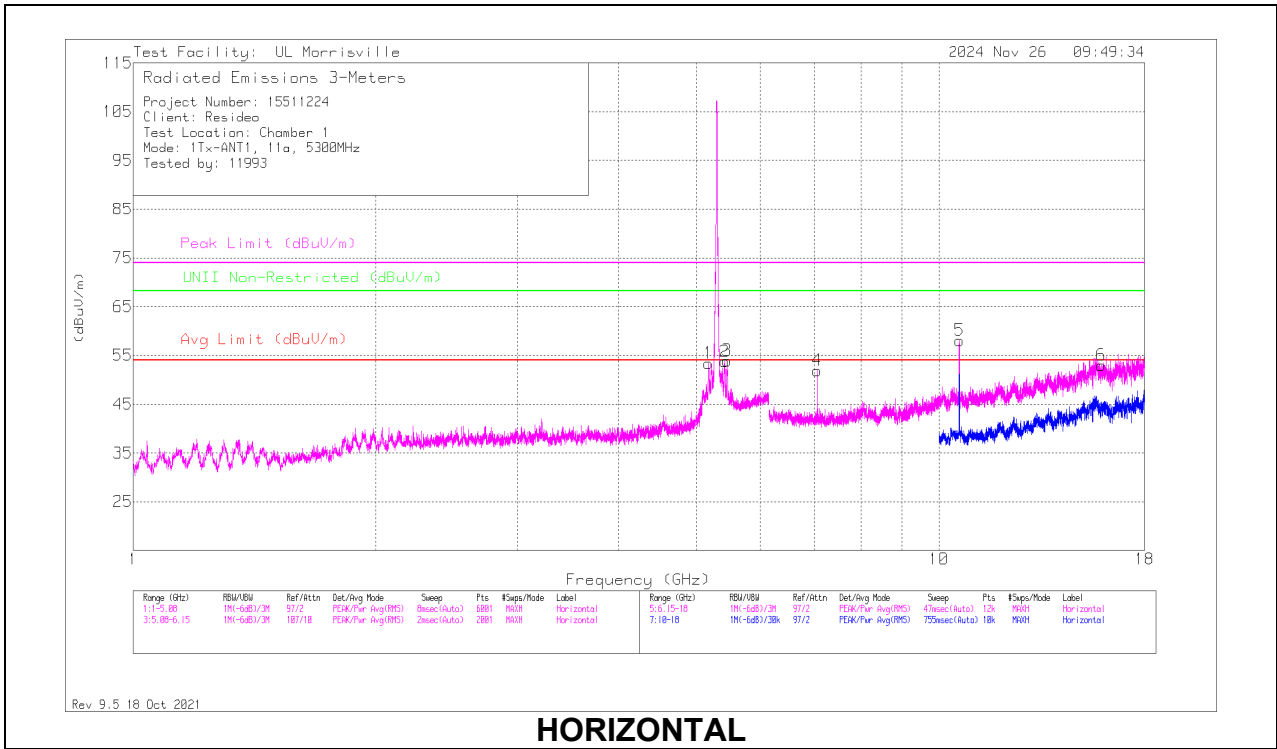
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

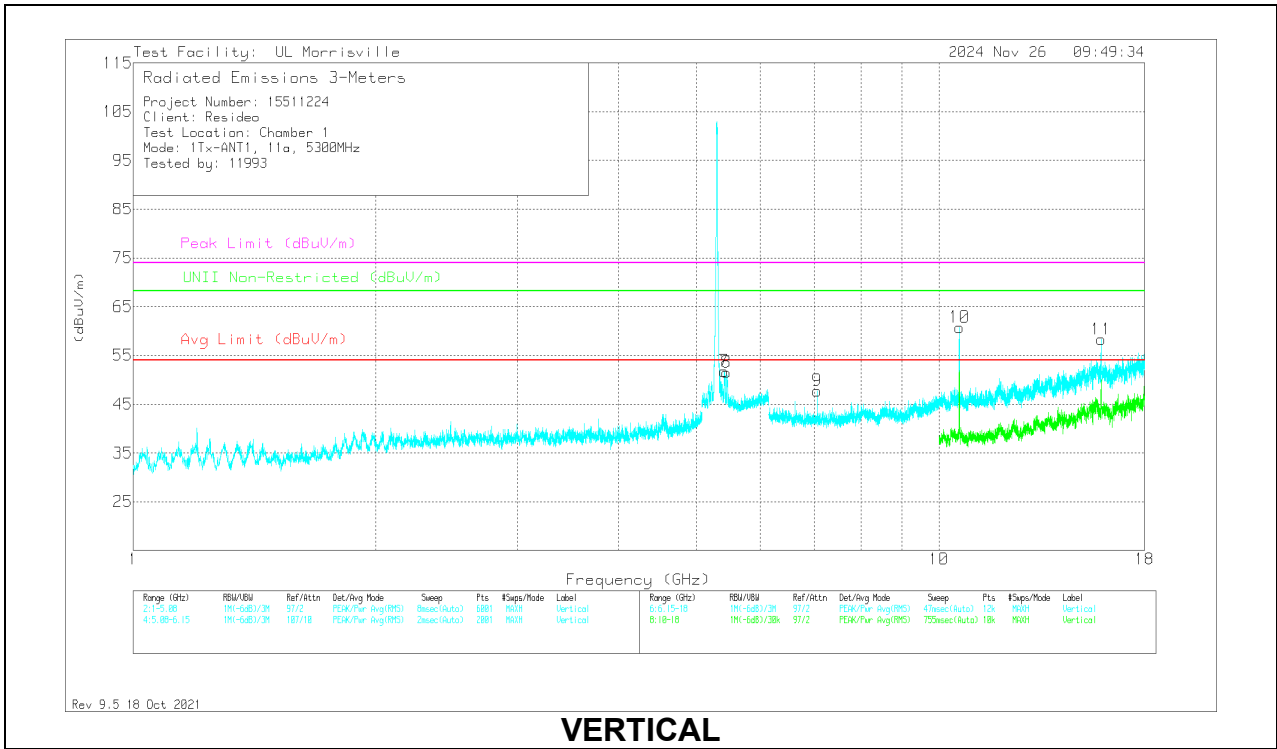
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	** 5.17482	43.32	PK-U	34.3	-22.7	0	54.92	-	-	74	-19.08	-	-	304	103	H
	** 5.17537	31.43	ADV	34.3	-22.7	.53	43.56	54	-10.44	-	-	-	-	304	103	H
2	*** 5.42163	45.33	PK-U	34.3	-22.9	0	56.73	-	-	74	-17.27	-	-	290	112	H
	*** 5.42392	33.27	ADV	34.3	-22.9	.53	45.2	54	-8.8	-	-	-	-	290	112	H
3	*** 5.45621	44.27	PK-U	34.4	-22.5	0	56.17	-	-	74	-17.83	-	-	290	109	H
	*** 5.45589	32.39	ADV	34.4	-22.5	.53	44.82	54	-9.18	-	-	-	-	290	109	H
7	*** 5.41637	42.13	PK-U	34.3	-22.8	0	53.63	-	-	74	-20.37	-	-	244	116	V
	*** 5.41676	30.36	ADV	34.3	-22.8	.53	42.39	54	-11.61	-	-	-	-	244	116	V
8	*** 5.45635	40.96	PK-U	34.4	-22.5	0	52.86	-	-	74	-21.14	-	-	233	127	V
	*** 5.45637	28.76	ADV	34.4	-22.5	.53	41.19	54	-12.81	-	-	-	-	233	127	V
5	*** 10.6046	62.49	PK-U	38	-40.1	0	60.39	-	-	74	-13.61	-	-	358	108	H
	*** 10.60456	49.6	ADV	38	-40.1	.53	48.03	54	-5.97	-	-	-	-	358	108	H
6	*** 15.9122	48.6	PK-U	40.7	-35.9	0	53.4	-	-	74	-20.6	-	-	315	184	H
	*** 15.91495	36.64	ADV	40.7	-35.9	.53	41.97	54	-12.03	-	-	-	-	315	184	H
10	*** 10.60164	64.4	PK-U	38	-39.8	0	62.6	-	-	74	-11.4	-	-	240	107	V
	*** 10.60163	51.87	ADV	38	-39.8	.53	50.6	54	-3.4	-	-	-	-	240	107	V
11	*** 15.90297	58.91	PK-U	40.7	-36.5	0	63.11	-	-	74	-10.89	-	-	273	112	V
	*** 15.90265	43	ADV	40.7	-36.5	.53	47.73	54	-6.27	-	-	-	-	273	112	V
4	7.0664	58.41	Pk	35.4	-41.9	0	51.91	-	-	-	-	68.2	-16.29	0-360	101	H
9	7.0664	54.28	Pk	35.4	-41.9	0	47.78	-	-	-	-	68.2	-20.42	0-360	101	V

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

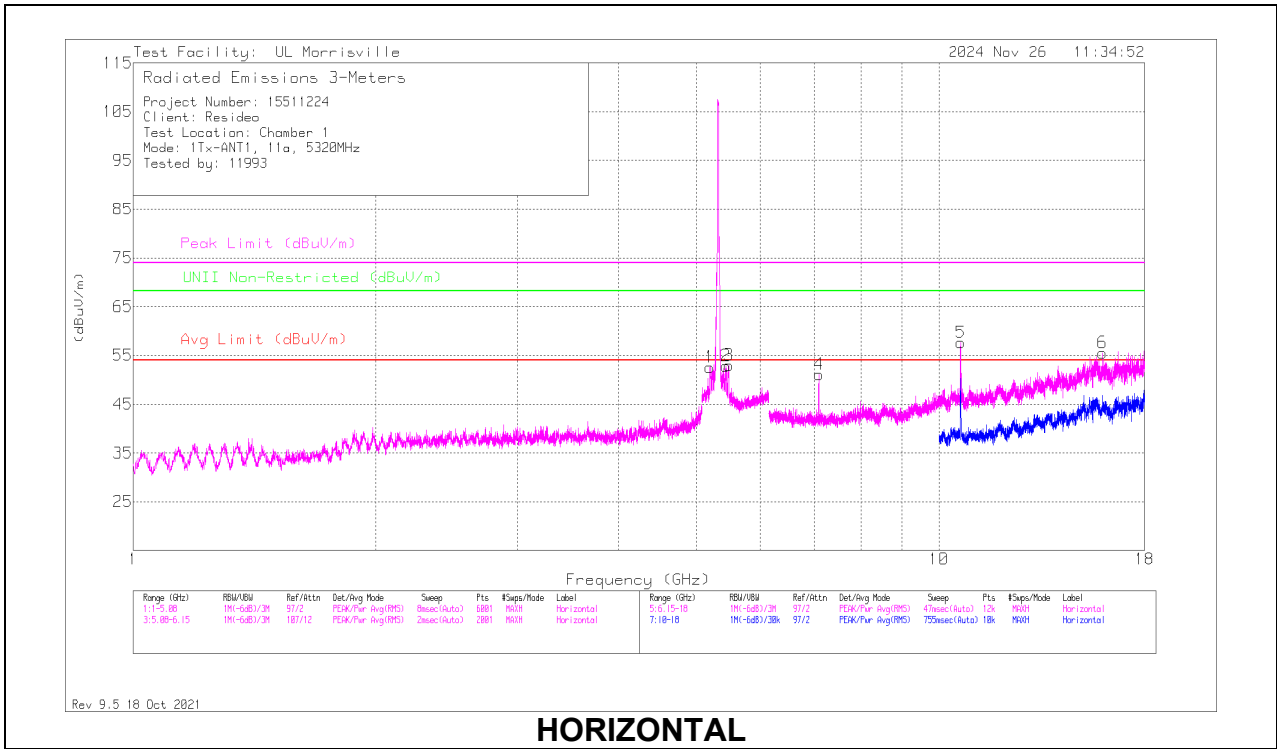
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

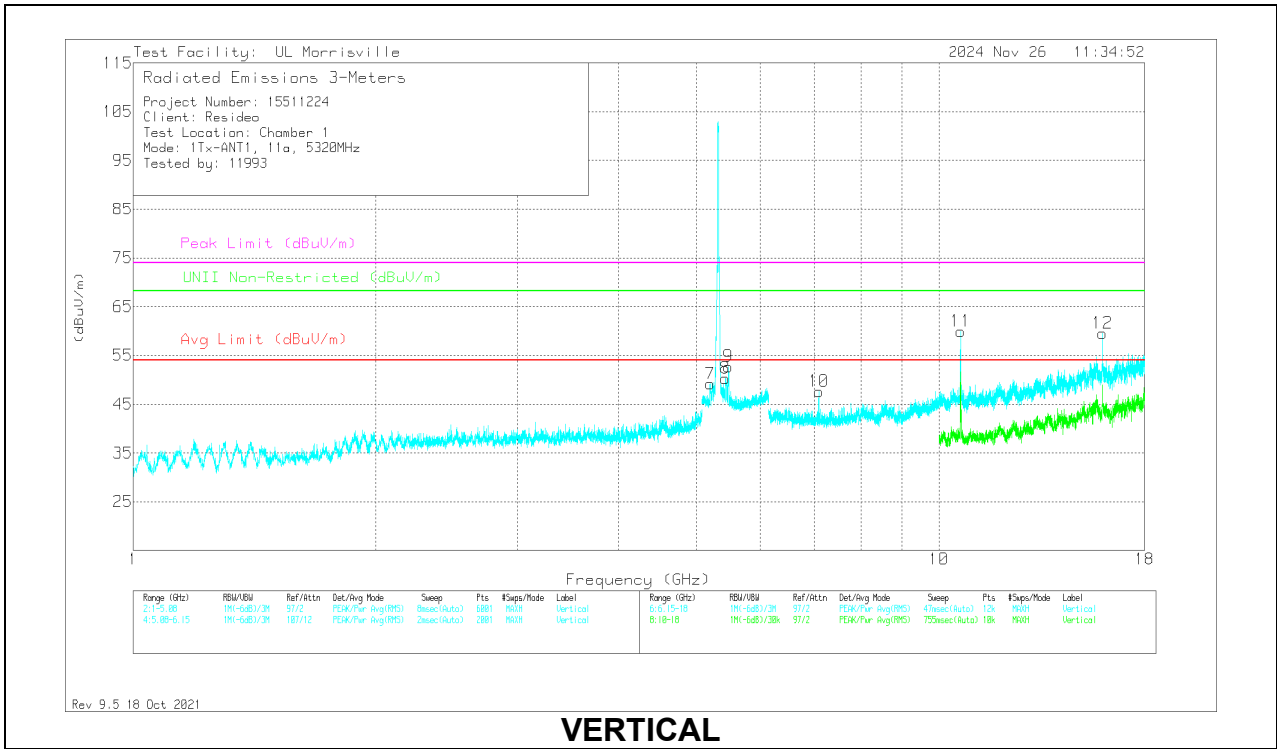
PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	** 5.19738	43.11	PK-U	34.3	-22.7	0	54.71	-	-	74	-19.29	-	-	304	116	H
	** 5.1948	31.58	ADV	34.3	-22.8	.53	43.61	54	-10.39	-	-	-	-	304	116	H
2	*** 5.44217	43.21	PK-U	34.3	-22.6	0	54.91	-	-	74	-19.09	-	-	297	132	H
	*** 5.4408	31.55	ADV	34.3	-22.7	.53	43.68	54	-10.32	-	-	-	-	297	132	H
7	** 5.19789	39.6	PK-U	34.3	-22.7	0	51.2	-	-	74	-22.8	-	-	12	106	V
	** 5.19819	27.69	ADV	34.3	-22.7	.53	39.82	54	-14.18	-	-	-	-	12	106	V
8	*** 5.43411	41.18	PK-U	34.3	-23	0	52.48	-	-	74	-21.52	-	-	251	125	V
	*** 5.43672	29.42	ADV	34.3	-22.9	.53	41.35	54	-12.65	-	-	-	-	251	125	V
5	*** 10.63963	62.67	PK-U	38	-39.9	0	60.77	-	-	74	-13.23	-	-	5	116	H
	*** 10.6401	49.94	ADV	38	-39.9	.53	48.57	54	-5.43	-	-	-	-	5	116	H
6	*** 15.96648	50.48	PK-U	40.7	-35.4	0	55.78	-	-	74	-18.22	-	-	3	135	H
	*** 15.96636	37.28	ADV	40.7	-35.4	.53	43.11	54	-10.89	-	-	-	-	3	135	H
11	*** 10.6462	63.57	PK-U	38	-39.8	0	61.77	-	-	74	-12.23	-	-	252	111	V
	*** 10.64429	49.71	ADV	38	-39.8	.53	48.44	54	-5.56	-	-	-	-	252	111	V
12	*** 15.96264	57.66	PK-U	40.7	-35.6	0	62.76	-	-	74	-11.24	-	-	280	119	V
	*** 15.96159	42.37	ADV	40.7	-35.7	.53	47.9	54	-6.1	-	-	-	-	280	119	V
9	5.47858	40.78	Pk	34.4	-22.5	0	52.68	-	-	-	-	68.2	-15.52	0-360	101	V
3	5.48446	41.4	Pk	34.4	-22.8	0	53	-	-	-	-	68.2	-15.2	0-360	101	H
4	7.09306	58.05	Pk	35.4	-42.3	0	51.15	-	-	-	-	68.2	-17.05	0-360	101	H
10	7.09306	54.52	Pk	35.4	-42.3	0	47.62	-	-	-	-	68.2	-20.58	0-360	101	V

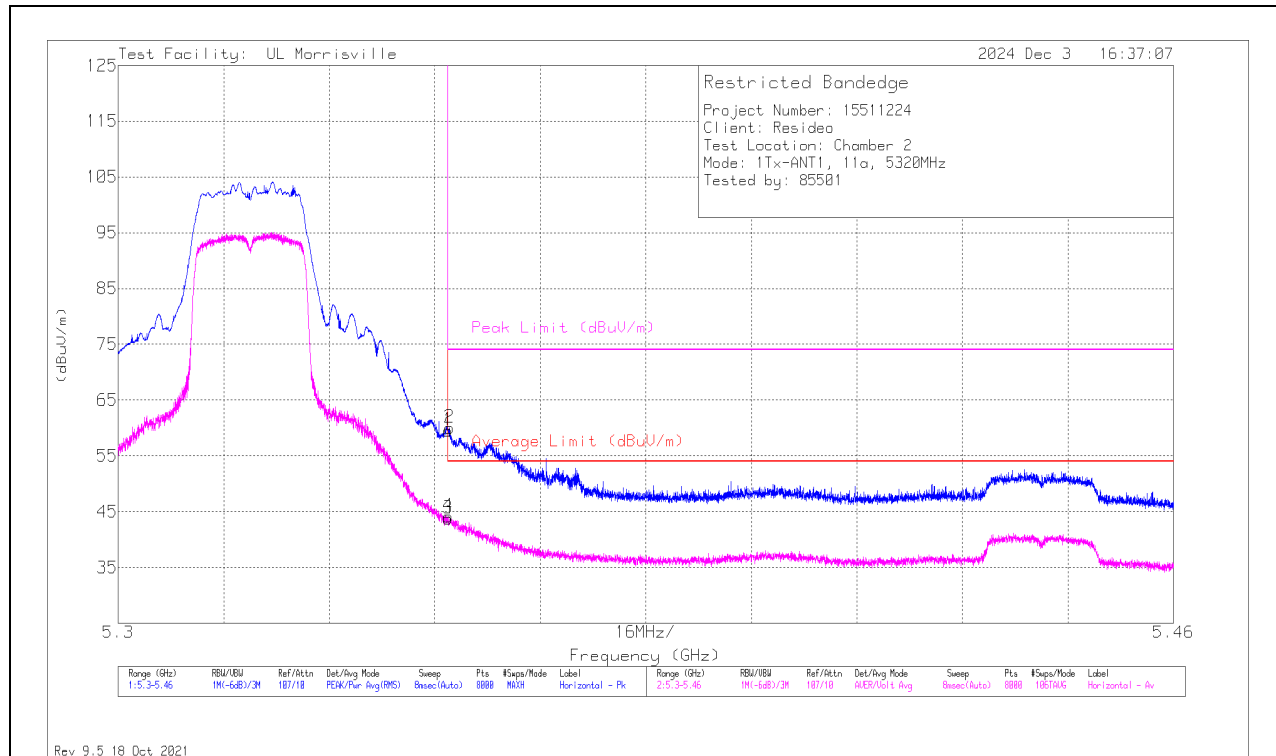
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	47.7	Pk	34.4	-22.6	0	59.5	-	-	74	-14.5	309	185	H
2	* ** 5.35023	48.21	Pk	34.4	-22.6	0	60.01	-	-	74	-13.99	309	185	H
3	* ** 5.35001	31.42	ADV	34.4	-22.6	.53	43.75	54	-10.25	-	-	309	184	H
4	* ** 5.35007	31.78	ADV	34.4	-22.6	.53	44.11	54	-9.89	-	-	309	184	H

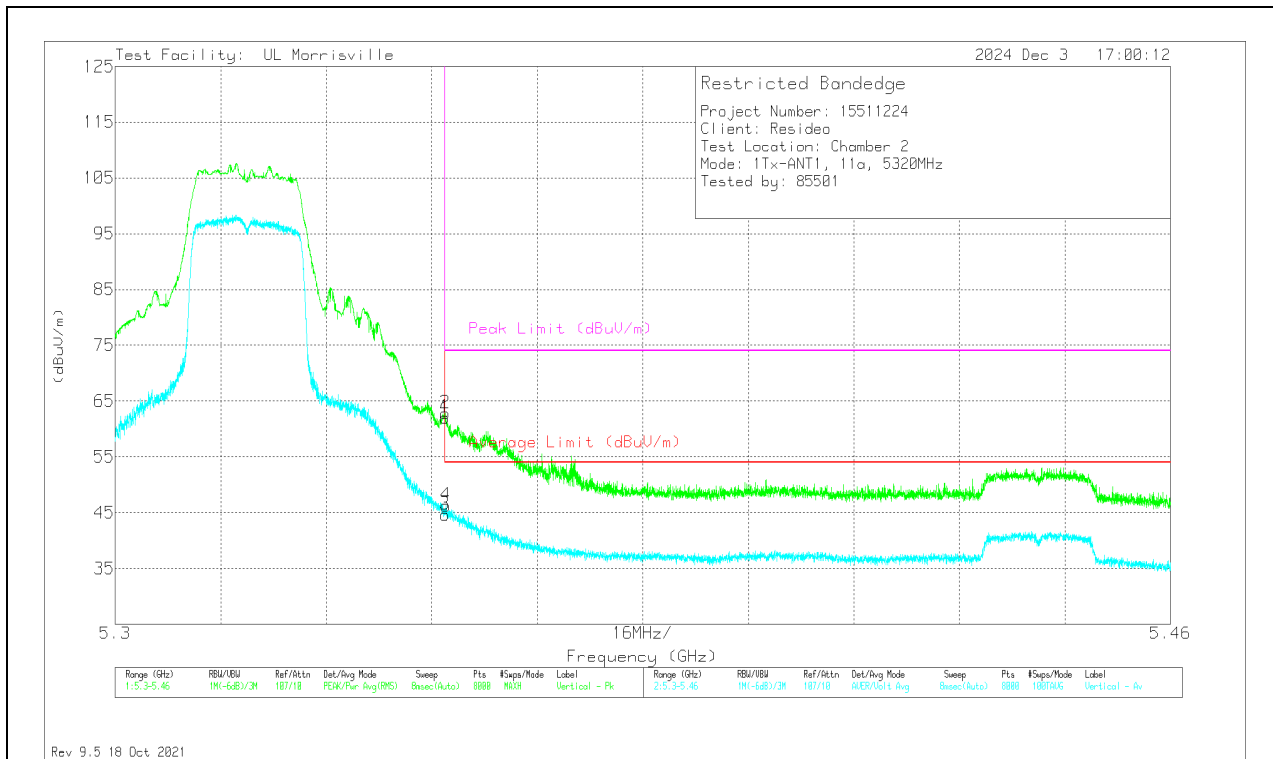
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	50.27	Pk	34.4	-22.6	0	62.07	-	-	74	-11.93	159	245	V
2	* ** 5.35003	51.05	Pk	34.4	-22.6	0	62.85	-	-	74	-11.15	159	245	V
3	* ** 5.35001	32.85	ADV	34.4	-22.6	.53	45.18	54	-8.82	-	-	159	245	V
4	* ** 5.35011	34.48	ADV	34.4	-22.6	.53	46.81	54	-7.19	-	-	159	245	V

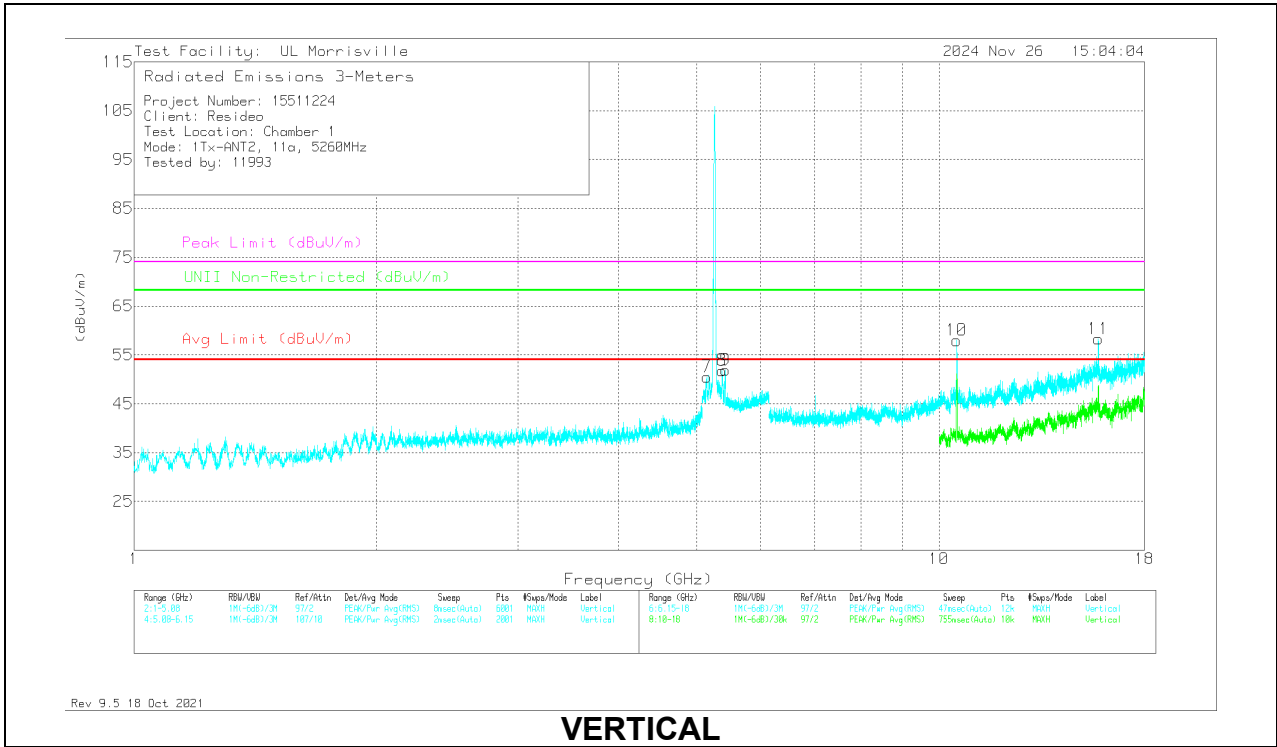
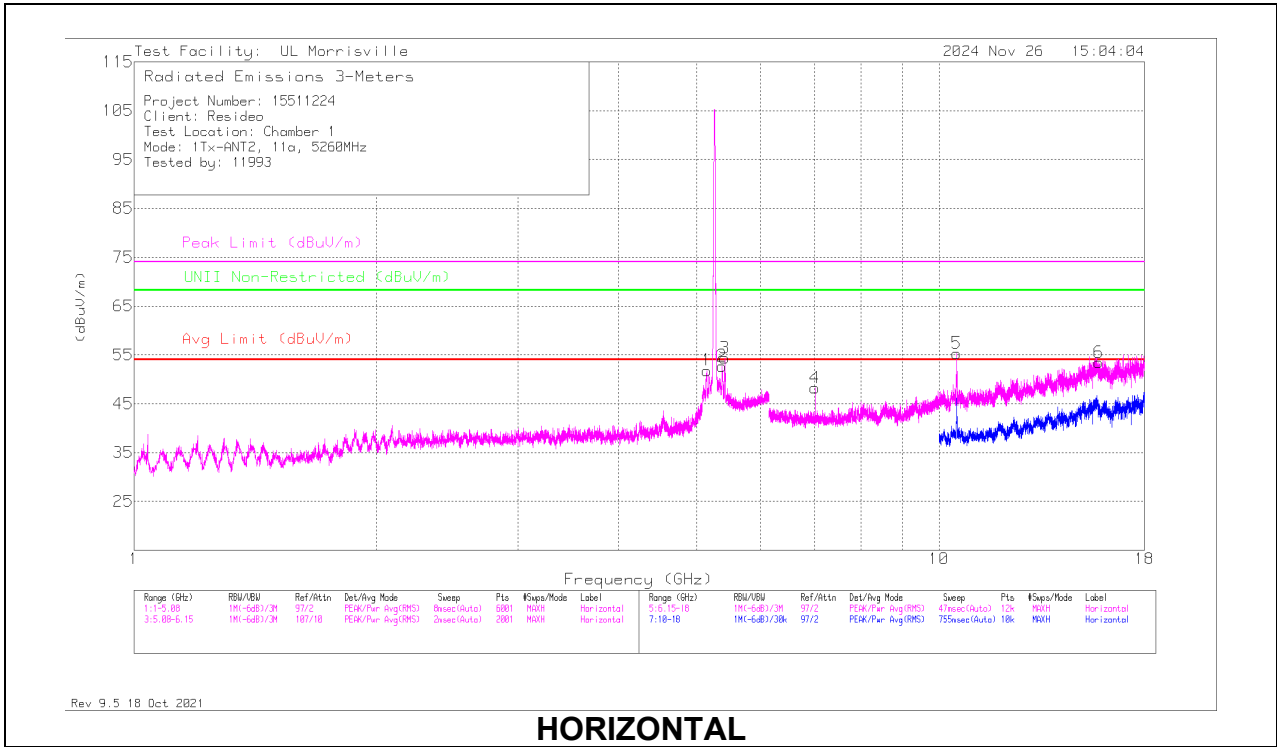
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.14598	41.96	PK-U	34.3	-22.3	-	53.96	-	-	74	-20.04	-	-	326	102	H
	*** 5.14454	30.21	ADV	34.3	-22.4	0.53	42.64	54	-11.36	-	-	-	-	326	102	H
2	*** 5.37744	43.12	PK-U	34.3	-22.7	-	54.72	-	-	74	-19.28	-	-	301	110	H
	*** 5.37796	31.62	ADV	34.3	-22.7	0.53	43.75	54	-10.25	-	-	-	-	301	110	H
3	*** 5.41739	43.44	PK-U	34.3	-22.8	-	54.94	-	-	74	-19.06	-	-	331	110	H
	*** 5.41755	30.2	ADV	34.3	-22.8	0.53	42.23	54	-11.77	-	-	-	-	331	110	H
7	*** 5.14521	41.31	PK-U	34.3	-22.3	-	53.31	-	-	74	-20.69	-	-	30	103	V
	*** 5.14443	29.31	ADV	34.3	-22.4	0.53	41.74	54	-12.26	-	-	-	-	30	103	V
8	*** 5.37741	42.41	PK-U	34.3	-22.7	-	54.01	-	-	74	-19.99	-	-	6	116	V
	*** 5.37696	30.45	ADV	34.3	-22.7	0.53	42.58	54	-11.42	-	-	-	-	6	116	V
9	*** 5.4259	41.92	PK-U	34.3	-23	-	53.22	-	-	74	-20.78	-	-	31	104	V
	*** 5.4261	29.07	ADV	34.3	-23	0.53	40.9	54	-13.1	-	-	-	-	31	104	V
6	*** 15.78198	49.59	PK-U	40.8	-36	-	54.39	-	-	74	-19.61	-	-	223	121	H
	*** 15.7816	37.07	ADV	40.8	-36	0.53	42.4	54	-11.6	-	-	-	-	223	121	H
11	*** 15.77644	56.13	PK-U	40.8	-35.4	-	61.53	-	-	74	-12.47	-	-	273	126	V
	*** 15.77627	40.9	ADV	40.8	-35.4	0.53	46.83	54	-7.17	-	-	-	-	273	126	V
4	7.01308	55.11	Pk	35.4	-42.3		48.21	-	-	-	-	68.2	-19.99	0-360	101	H
5	10.51969	57.5	Pk	38	-40.2		55.3	-	-	-	-	68.2	-12.9	0-360	101	H
10	10.52068	60.27	Pk	38	-40.3		57.97	-	-	-	-	68.2	-10.23	0-360	101	V

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

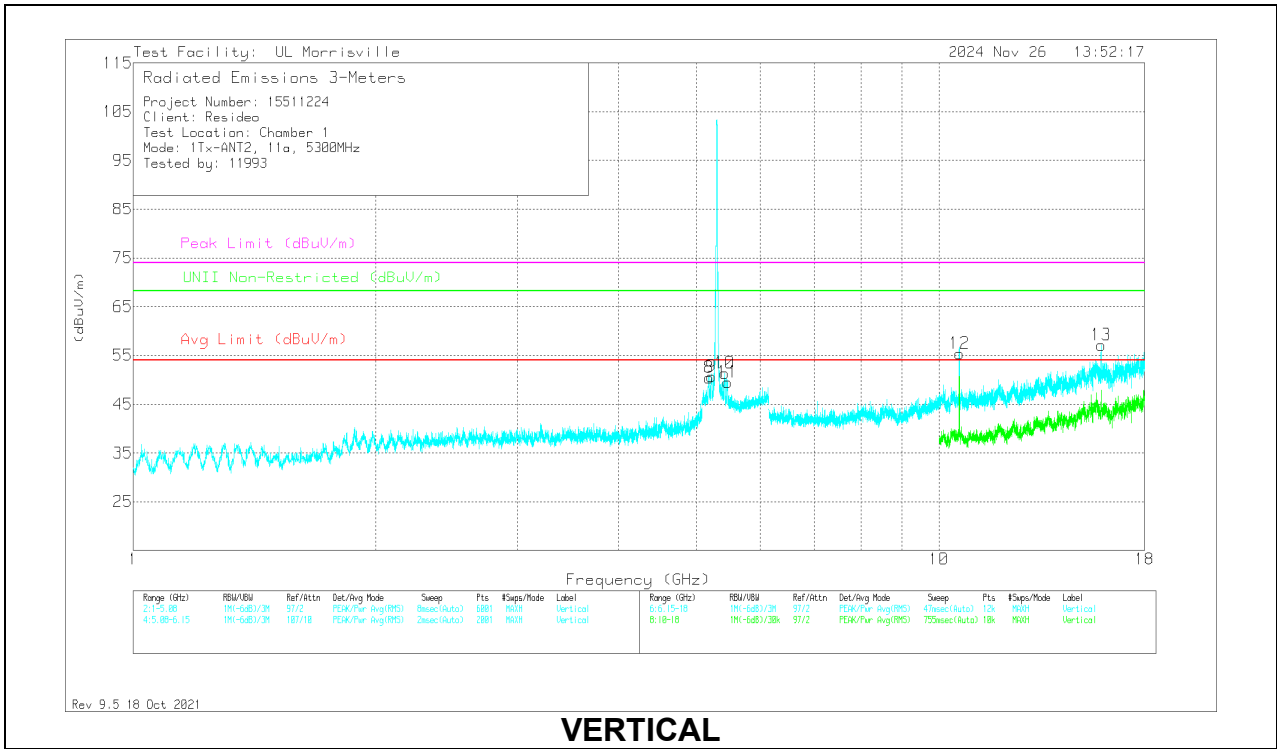
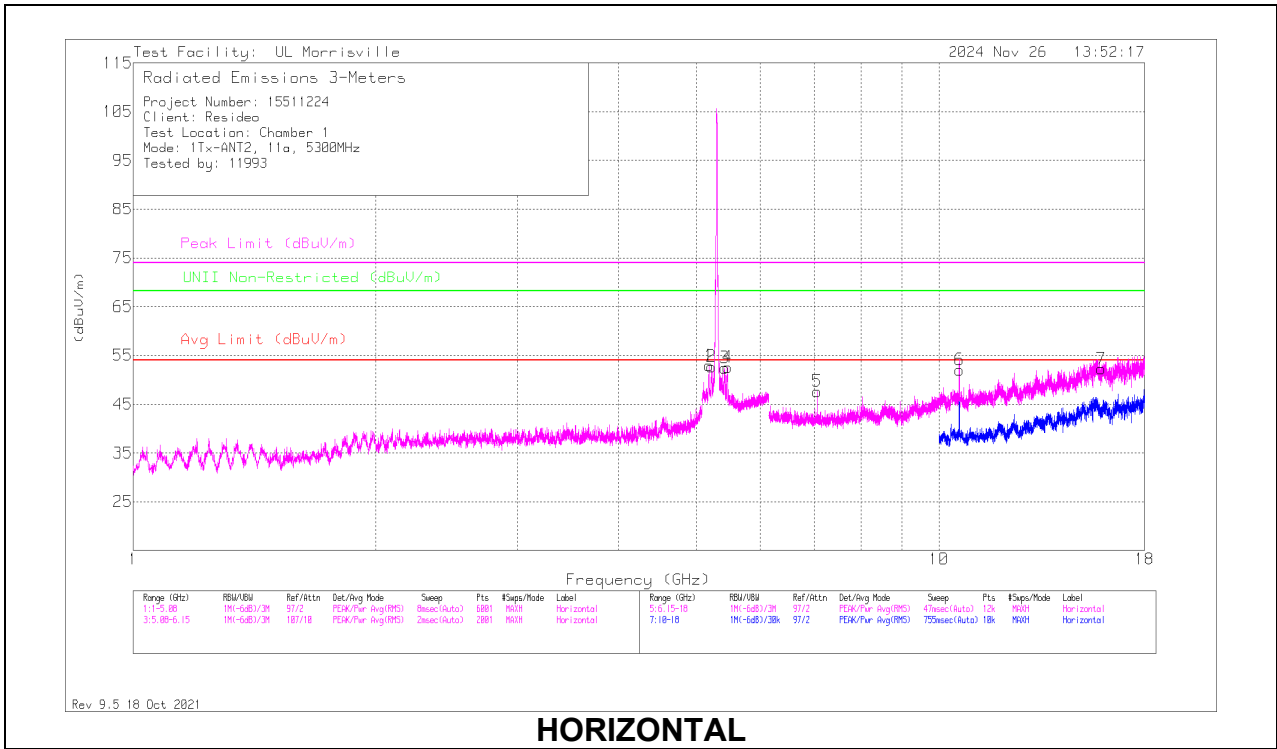
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	** 5.18612	41.74	PK-U	34.3	-22.9	0	53.14	-	-	74	-20.86	-	-	328	108	H
	** 5.18382	29.96	ADV	34.3	-22.9	.53	41.89	54	-12.14	-	-	-	-	328	108	H
2	** 5.22128	42.45	PK-U	34.3	-22.7	0	54.05	-	-	74	-19.95	-	-	326	116	H
	** 5.22404	29.75	ADV	34.3	-22.7	.53	41.88	54	-12.12	-	-	-	-	326	116	H
3	*** 5.41458	42.49	PK-U	34.3	-22.7	0	54.09	-	-	74	-19.91	-	-	335	117	H
	*** 5.41823	30.42	ADV	34.3	-22.8	.53	42.45	54	-11.55	-	-	-	-	335	117	H
8	** 5.18493	41.18	PK-U	34.3	-22.9	0	52.58	-	-	74	-21.42	-	-	24	105	V
	** 5.18427	29.42	ADV	34.3	-22.9	.53	41.35	54	-12.65	-	-	-	-	24	105	V
9	** 5.21623	39.73	PK-U	34.3	-22.9	0	51.13	-	-	74	-22.87	-	-	360	149	V
	** 5.21824	27.77	ADV	34.3	-22.8	.53	39.8	54	-14.2	-	-	-	-	360	149	V
10	*** 5.42169	41.72	PK-U	34.3	-22.9	0	53.12	-	-	74	-20.88	-	-	13	103	V
	*** 5.42194	29.63	ADV	34.3	-22.9	.53	41.56	54	-12.44	-	-	-	-	13	103	V
6	*** 10.6048	57.85	PK-U	38	-40.1	0	55.75	-	-	74	-18.25	-	-	0	109	H
	*** 10.60527	44.83	ADV	38	-40.1	.53	43.26	54	-10.74	-	-	-	-	0	109	H
7	*** 15.89462	49.52	PK-U	40.7	-36.3	0	53.92	-	-	74	-20.08	-	-	230	132	H
	*** 15.89321	36.73	ADV	40.7	-36.2	.53	41.76	54	-12.24	-	-	-	-	230	132	H
12	** 10.60605	60.46	PK-U	38	-40.1	0	58.36	-	-	74	-15.64	-	-	249	119	V
	** 10.60581	46.85	ADV	38	-40.1	.53	45.28	54	-8.72	-	-	-	-	249	119	V
13	*** 15.8954	53.83	PK-U	40.7	-36.3	0	58.23	-	-	74	-15.77	-	-	228	116	V
	*** 15.89433	38.56	ADV	40.7	-36.2	.53	43.59	54	-10.41	-	-	-	-	228	116	V
11	5.46467	37.79	Pk	34.4	-22.7	0	49.49	-	-	-	-	68.2	-18.71	0-360	101	V
4	5.46574	40.86	Pk	34.4	-22.7	0	52.56	-	-	-	-	68.2	-15.64	0-360	101	H
5	7.0664	54.08	Pk	35.4	-41.9	0	47.58	-	-	-	-	68.2	-20.62	0-360	101	H

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

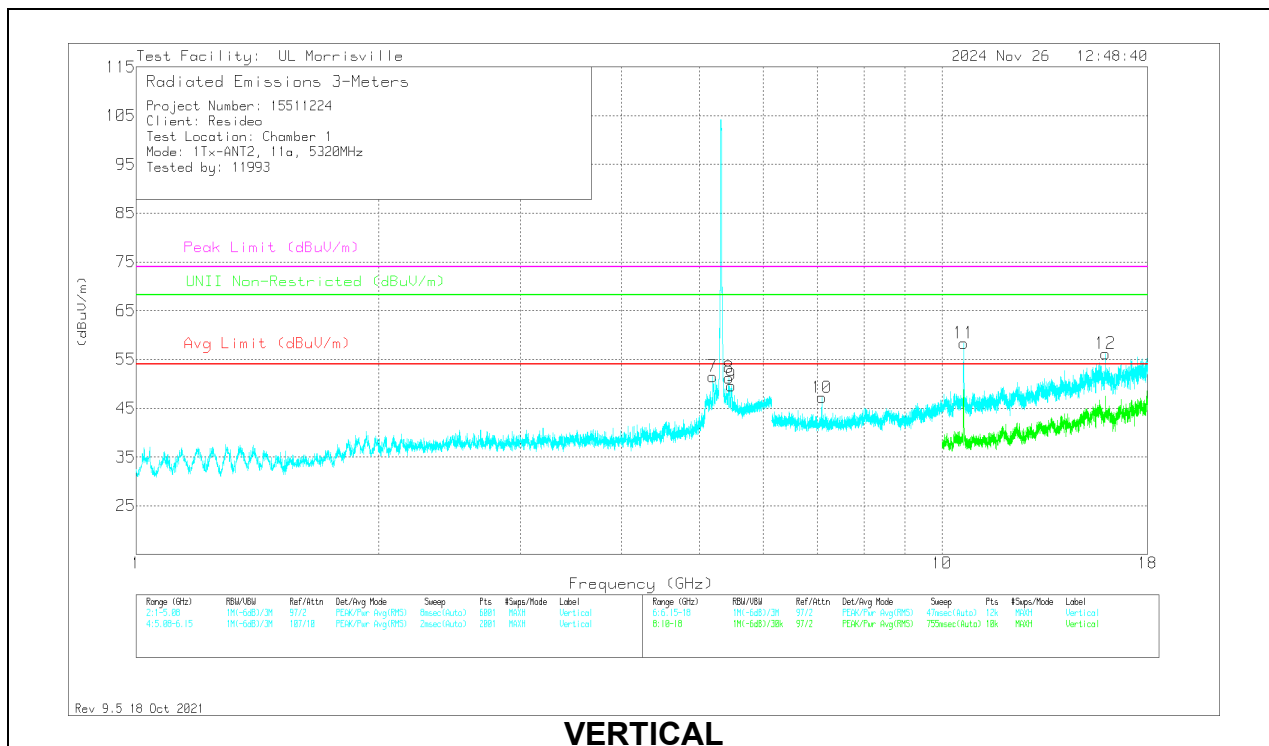
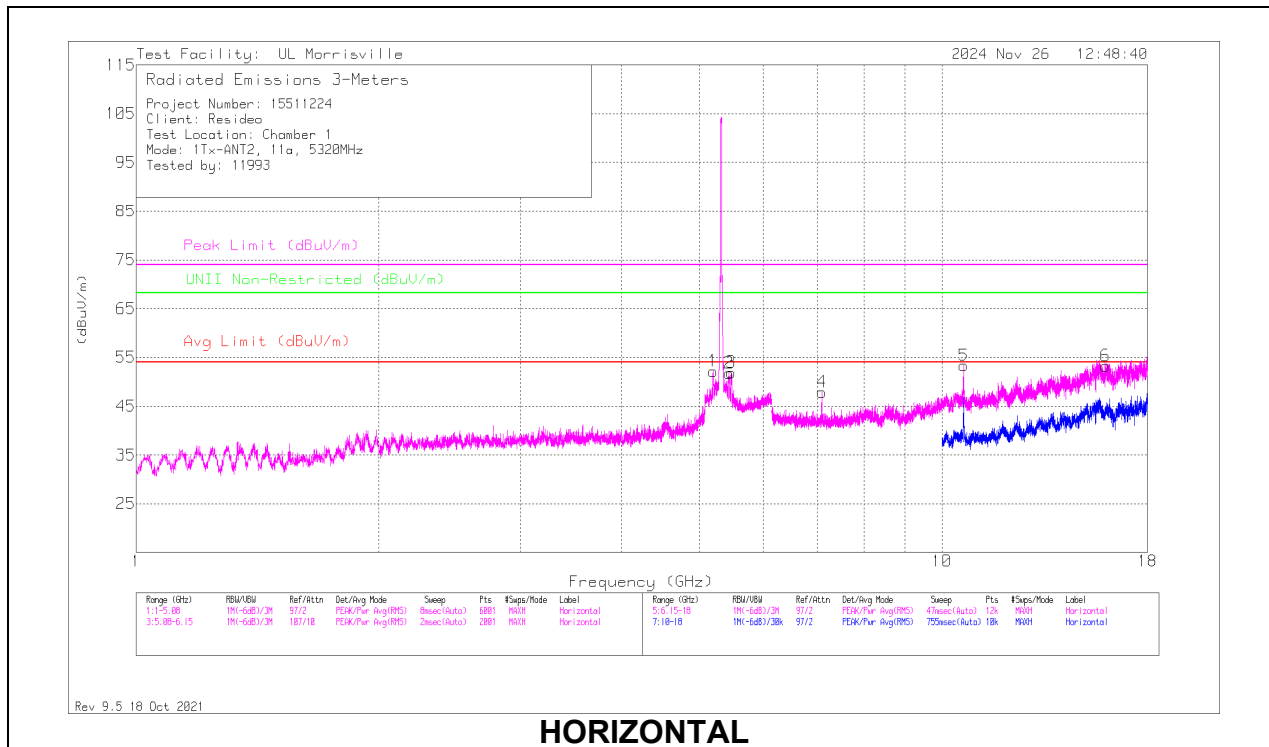
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (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	** 5.2008	41.91	PK-U	34.3	-22.8	0	53.41	-	-	74	-20.59	-	-	162	228	H
	** 5.20325	30.2	ADV	34.3	-23	.53	42.03	54	-11.97	-	-	-	-	162	228	H
2	*** 5.43903	42.98	PK-U	34.3	-22.8	0	54.48	-	-	74	-19.52	-	-	311	108	H
	*** 5.4388	31.05	ADV	34.3	-22.8	.53	43.08	54	-10.92	-	-	-	-	311	108	H
7	** 5.19667	40.3	PK-U	34.3	-22.8	0	51.8	-	-	74	-22.2	-	-	31	132	V
	** 5.19549	28.56	ADV	34.3	-22.8	.53	40.59	54	-13.1	-	-	-	-	31	132	V
8	*** 5.4387	40.84	PK-U	34.3	-22.8	0	52.34	-	-	74	-21.66	-	-	10	103	V
	*** 5.43764	28.8	ADV	34.3	-22.8	.53	40.83	54	-13.17	-	-	-	-	10	103	V
5	*** 10.63851	57.83	PK-U	38	-39.9	0	55.93	-	-	74	-18.07	-	-	360	115	H
	*** 10.63914	45.17	ADV	38	-39.9	.53	43.8	54	-10.2	-	-	-	-	360	115	H
6	*** 15.96341	51.34	PK-U	40.7	-35.5	0	56.54	-	-	74	-17.46	-	-	7	121	H
	*** 15.96209	37.69	ADV	40.7	-35.6	.53	43.32	54	-10.68	-	-	-	-	7	121	H
11	** 10.63821	61.79	PK-U	38	-39.9	0	59.89	-	-	74	-14.11	-	-	248	108	V
	** 10.63871	49.05	ADV	38	-39.9	.53	47.68	54	-6.32	-	-	-	-	248	108	V
12	*** 15.95992	55.78	PK-U	40.7	-35.9	0	60.58	-	-	74	-13.42	-	-	274	107	V
	*** 15.9607	40.33	ADV	40.7	-35.8	.53	45.76	54	-8.24	-	-	-	-	274	107	V
3	5.4743	40.01	Pk	34.4	-22.5	0	51.91	-	-	-	-	68.2	-16.29	0-360	101	H
9	5.47751	37.75	Pk	34.4	-22.5	0	49.65	-	-	-	-	68.2	-18.55	0-360	101	V
4	7.09306	54.77	Pk	35.4	-42.3	0	47.87	-	-	-	-	68.2	-20.33	0-360	101	H
10	7.09306	54.06	Pk	35.4	-42.3	0	47.16	-	-	-	-	68.2	-21.04	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

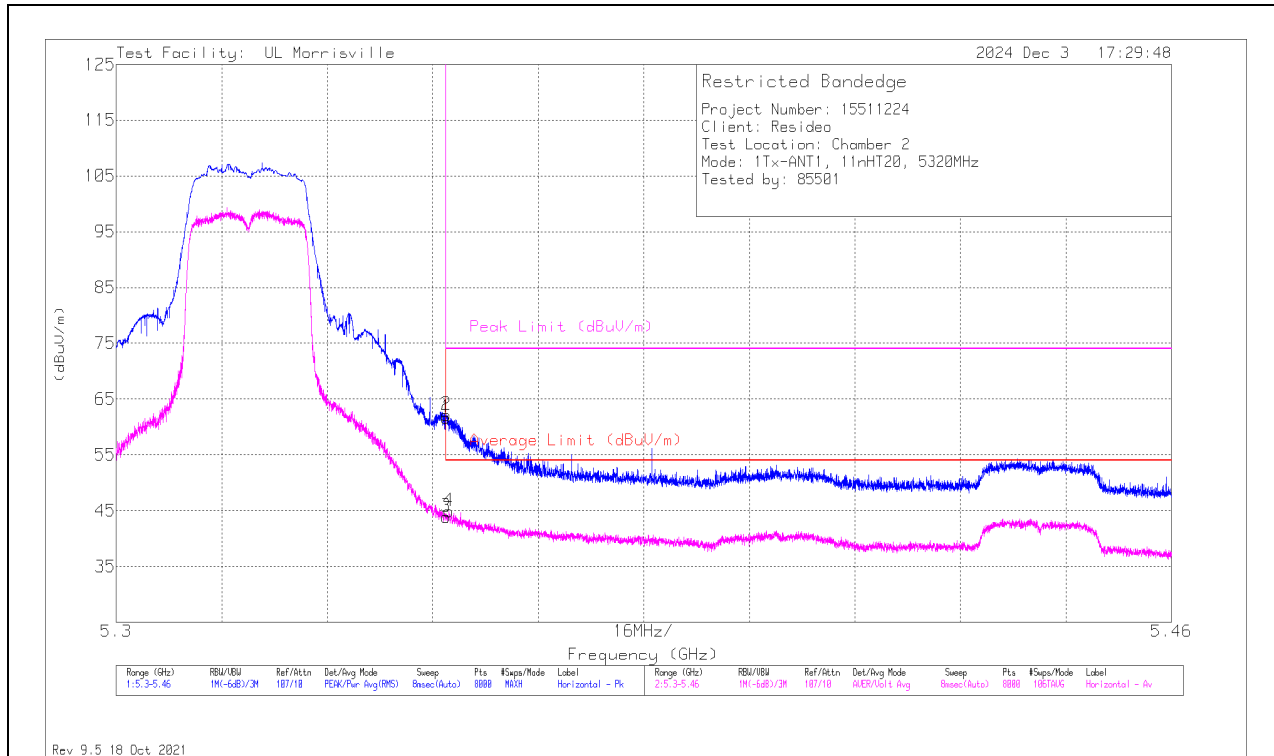
ADV - Linear Voltage Average

10.1.4. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	49.87	Pk	34.4	-22.6	0	61.67	-	-	74	-12.33	328	144	H
2	* ** 5.35007	50.33	Pk	34.4	-22.6	0	62.13	-	-	74	-11.87	328	144	H
3	* ** 5.35001	31.57	ADV	34.4	-22.6	.57	43.94	54	-10.06	-	-	328	144	H
4	* ** 5.35047	32.49	ADV	34.4	-22.6	.57	44.86	54	-9.14	-	-	328	144	H

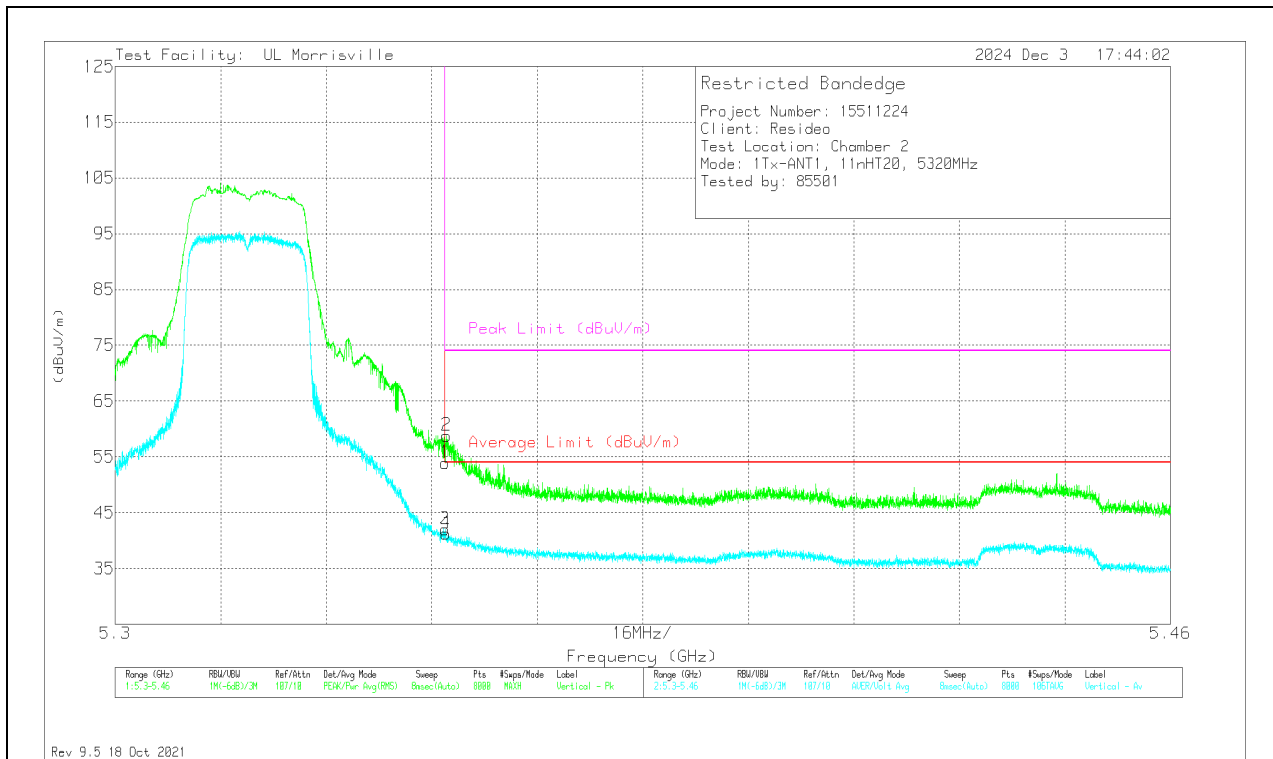
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



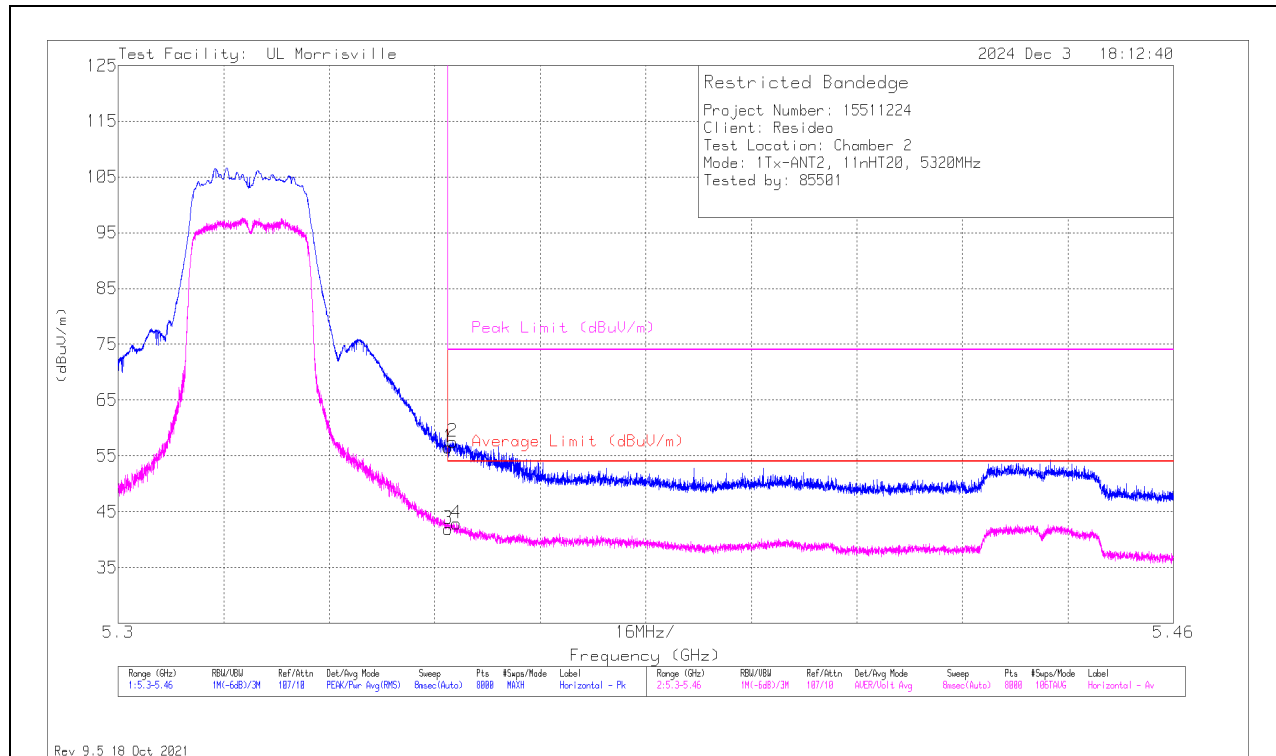
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	42.07	Pk	34.4	-22.6	0	53.87	-	-	74	-20.13	153	223	V
2	*** 5.35023	47.04	Pk	34.4	-22.6	0	58.84	-	-	74	-15.16	153	223	V
3	*** 5.35001	29.59	ADV	34.4	-22.6	.57	41.96	54	-12.04	-	-	153	223	V
4	*** 5.35017	28.88	ADV	34.4	-22.6	.57	41.25	54	-12.75	-	-	153	223	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

1TX Antenna 2 MODE**BANDEDGE (HIGH CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	44.71	Pk	34.4	-22.6	0	56.51	-	-	74	-17.49	129	144	H
2	* ** 5.35073	45.84	Pk	34.4	-22.7	0	57.54	-	-	74	-16.46	129	144	H
3	* ** 5.35001	29.56	ADV	34.4	-22.6	.57	41.93	54	-12.07	-	-	129	144	H
4	* ** 5.35127	30.62	ADV	34.4	-22.7	.57	42.89	54	-11.11	-	-	129	144	H

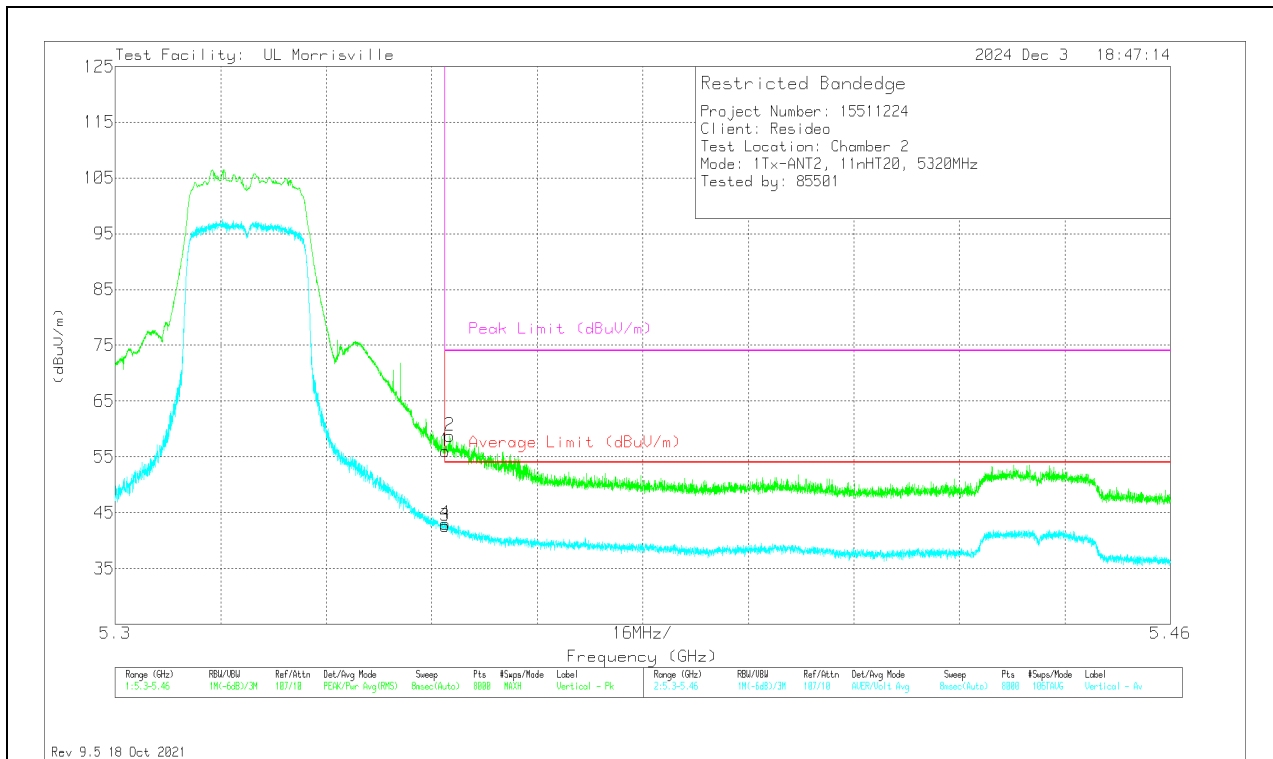
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	44.22	Pk	34.4	-22.6	0	56.02	-	-	74	-17.98	172	101	V
2	* ** 5.35075	47.09	Pk	34.4	-22.7	0	58.79	-	-	74	-15.21	172	101	V
3	* ** 5.35001	30.22	ADV	34.4	-22.6	.57	42.59	54	-11.41	-	-	172	101	V
4	* ** 5.35003	30.7	ADV	34.4	-22.6	.57	43.07	54	-10.93	-	-	172	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

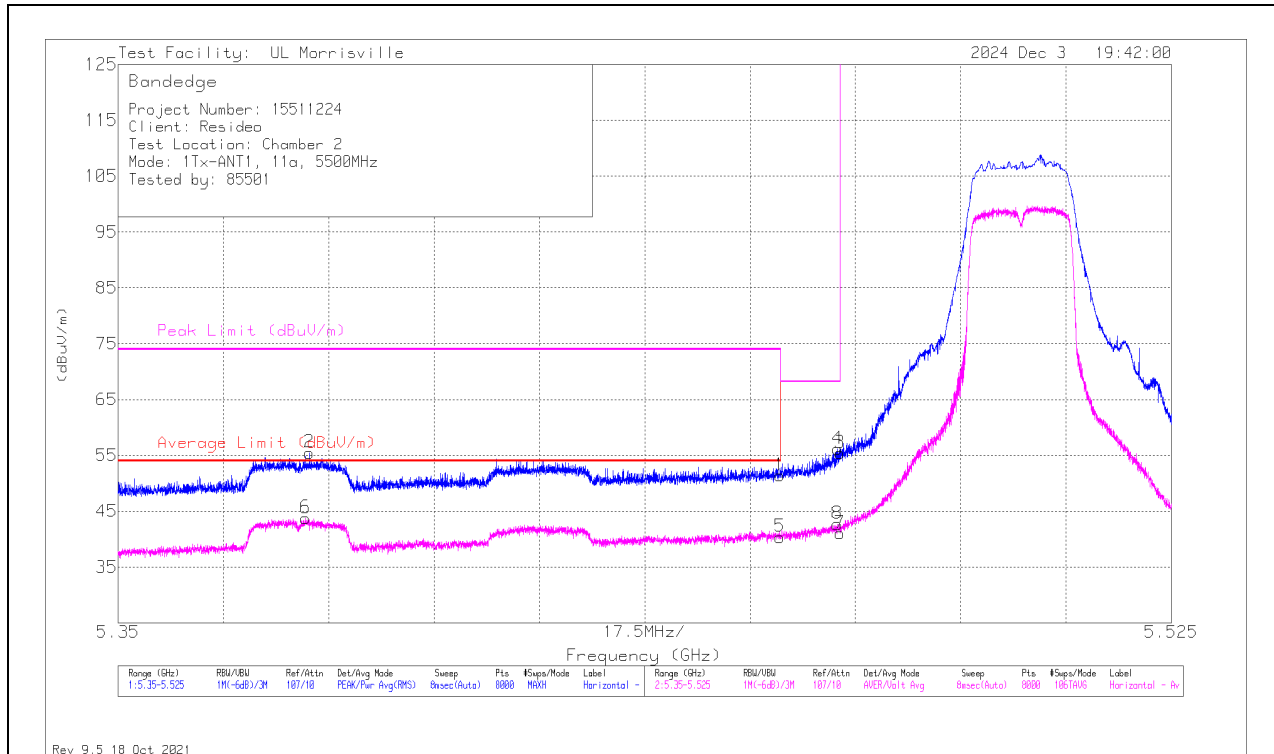
ADV - Linear Voltage Average

10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	40.39	Pk	34.5	-23.5	0	51.39	-	-	74	-22.61	86	104	H
2	* ** 5.38179	43.99	Pk	34.4	-22.9	0	55.49	-	-	74	-18.51	86	104	H
5	* ** 5.45998	28.86	ADV	34.5	-23.5	.53	40.39	54	-13.61	-	-	86	104	H
6	* ** 5.38113	31.74	ADV	34.4	-22.9	.53	43.77	54	-10.23	-	-	86	104	H
8	5.4695	31.18	ADV	34.5	-23.5	.53	42.71	-	-	-	-	86	104	H
4	5.46956	45.14	Pk	34.5	-23.5	0	56.14	-	-	68.2	-12.06	86	104	H
3	5.46998	44.41	Pk	34.5	-23.5	0	55.41	-	-	68.2	-12.79	86	104	H
7	5.46998	29.51	ADV	34.5	-23.5	.53	41.04	-	-	-	-	86	104	H

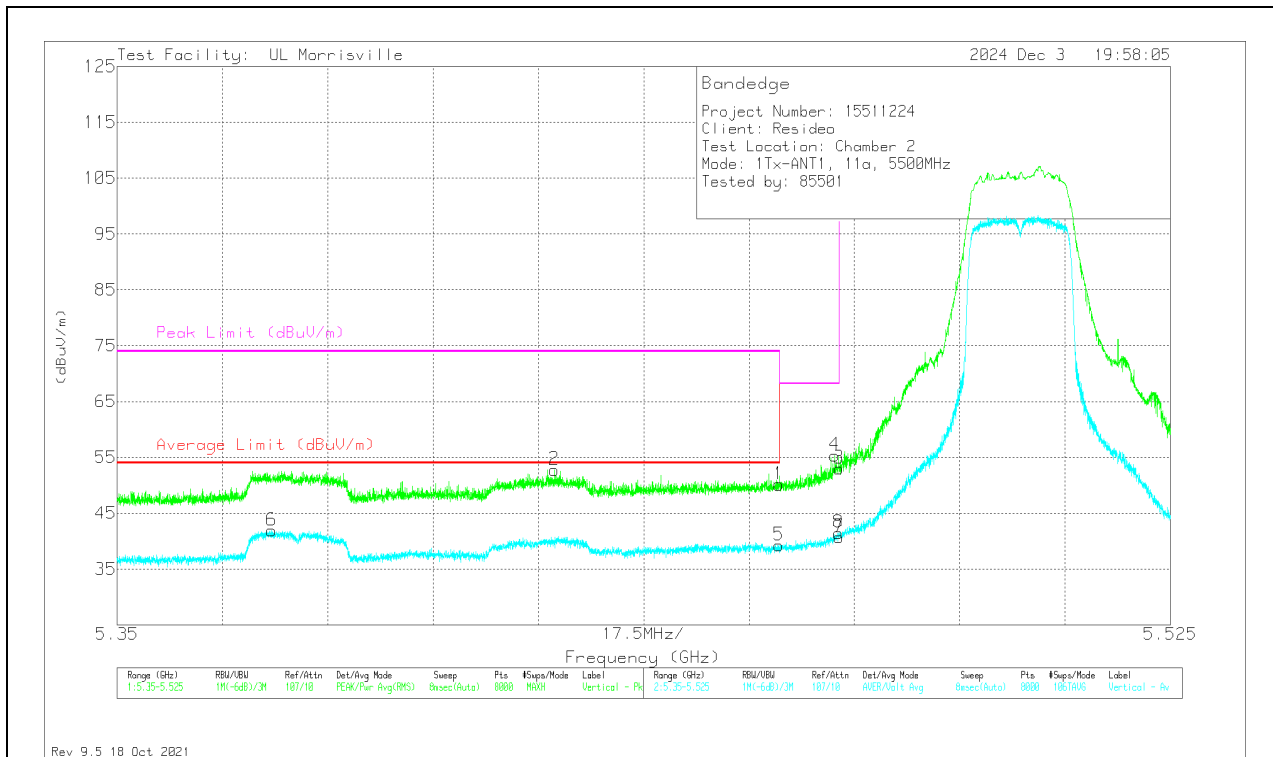
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	39.16	Pk	34.5	-23.5	0	50.16	-	-	74	-23.84	35	122	V
2	*** 5.42264	41.3	Pk	34.4	-22.9	0	52.8	-	-	74	-21.2	35	122	V
5	*** 5.45998	27.73	ADV	34.5	-23.5	.53	39.26	54	-14.74	-	-	35	121	V
6	*** 5.37566	29.77	ADV	34.4	-22.8	.53	41.9	54	-12.1	-	-	35	121	V
4	5.46926	44.47	Pk	34.5	-23.6	0	55.37	-	-	68.2	-12.83	35	122	V
8	5.46987	29.96	ADV	34.5	-23.5	.53	41.49	-	-	-	-	35	121	V
3	5.46998	42.04	Pk	34.5	-23.5	0	53.04	-	-	68.2	-15.16	35	122	V
7	5.46998	29.2	ADV	34.5	-23.5	.53	40.73	-	-	-	-	35	121	V

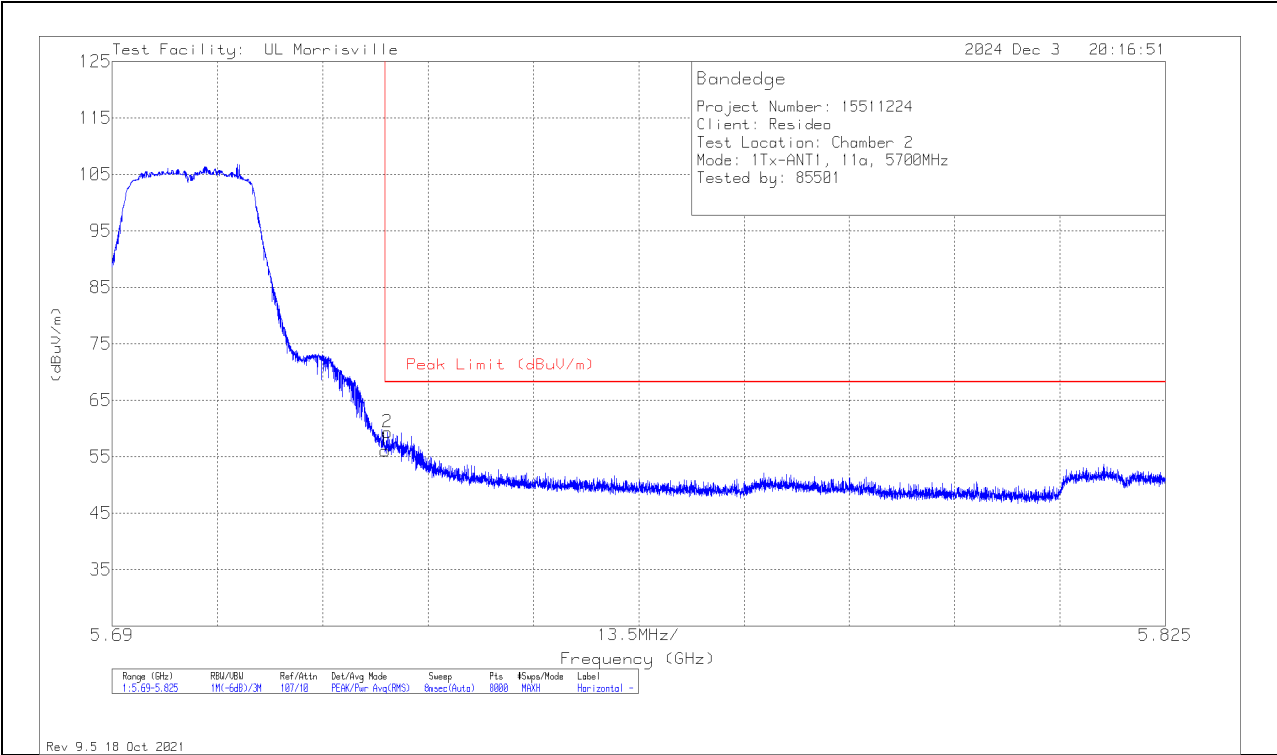
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

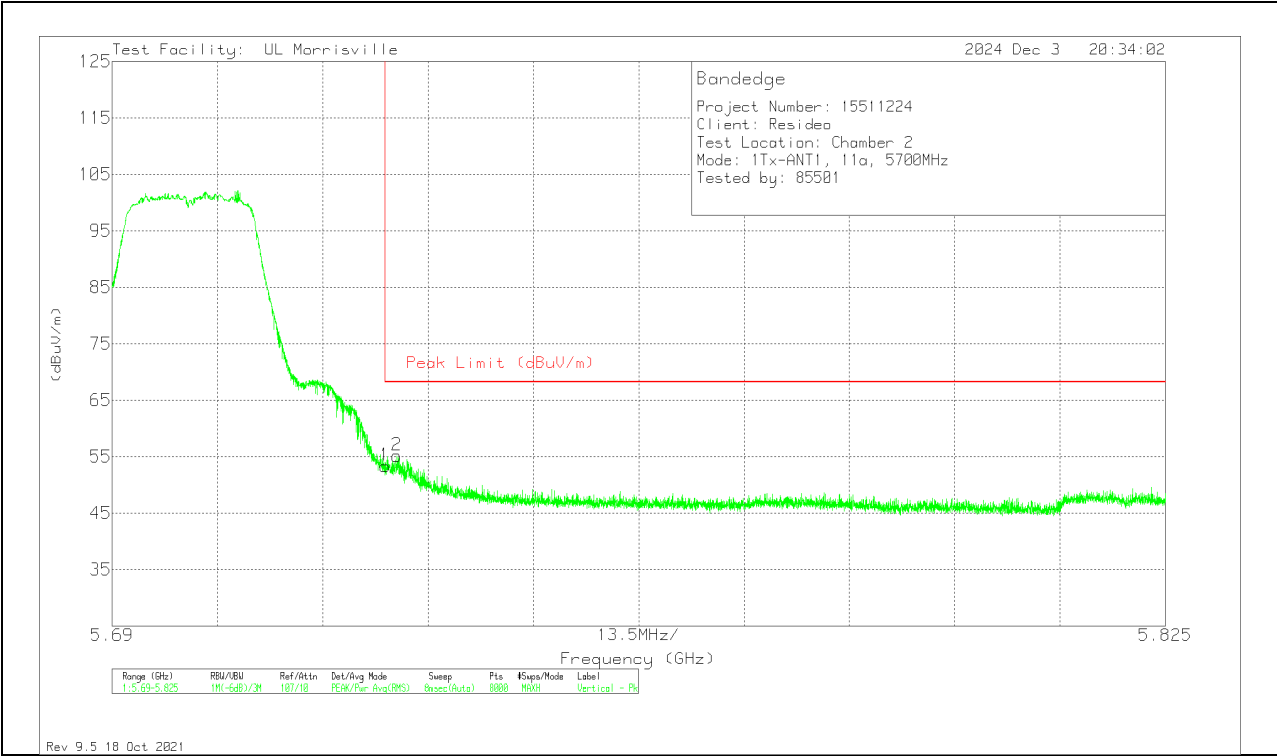
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.51	Pk	34.7	-23.1	0	56.11	68.2	-12.09	80	141	H
2	5.72526	47.69	Pk	34.7	-23.1	0	59.29	68.2	-8.91	80	141	H

Pk - Peak detector

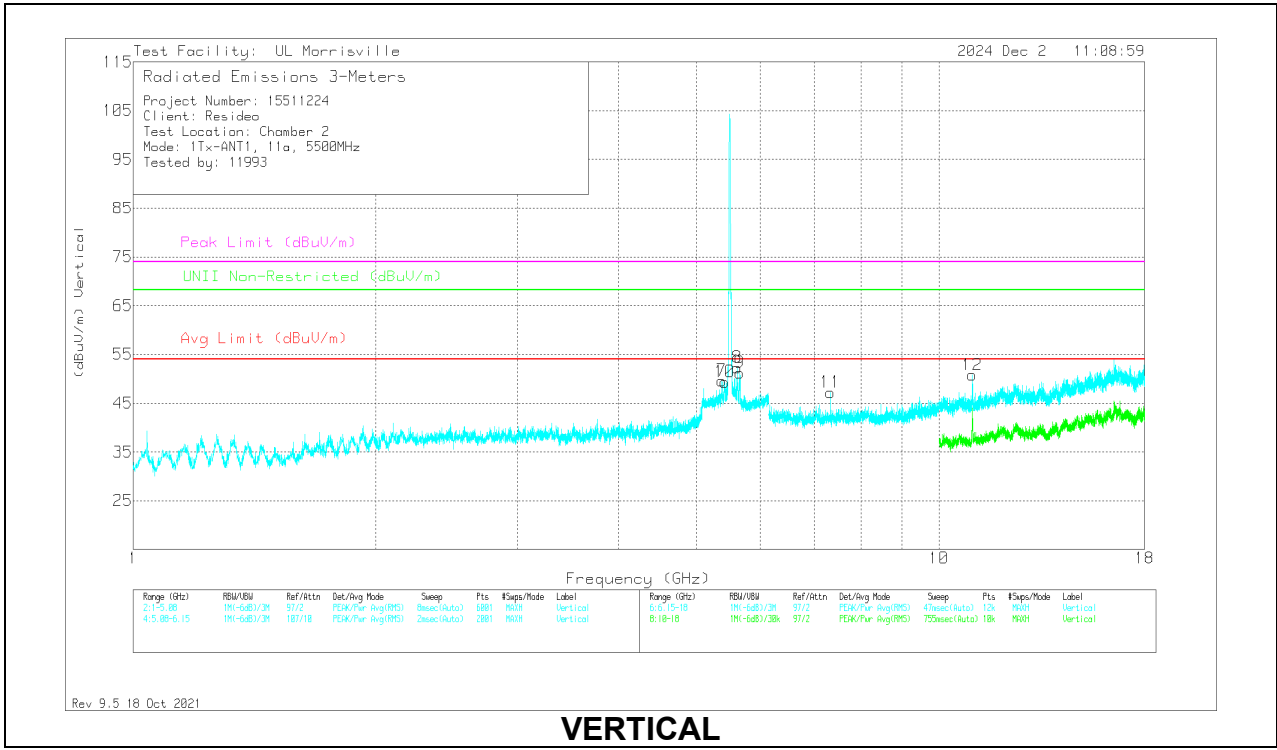
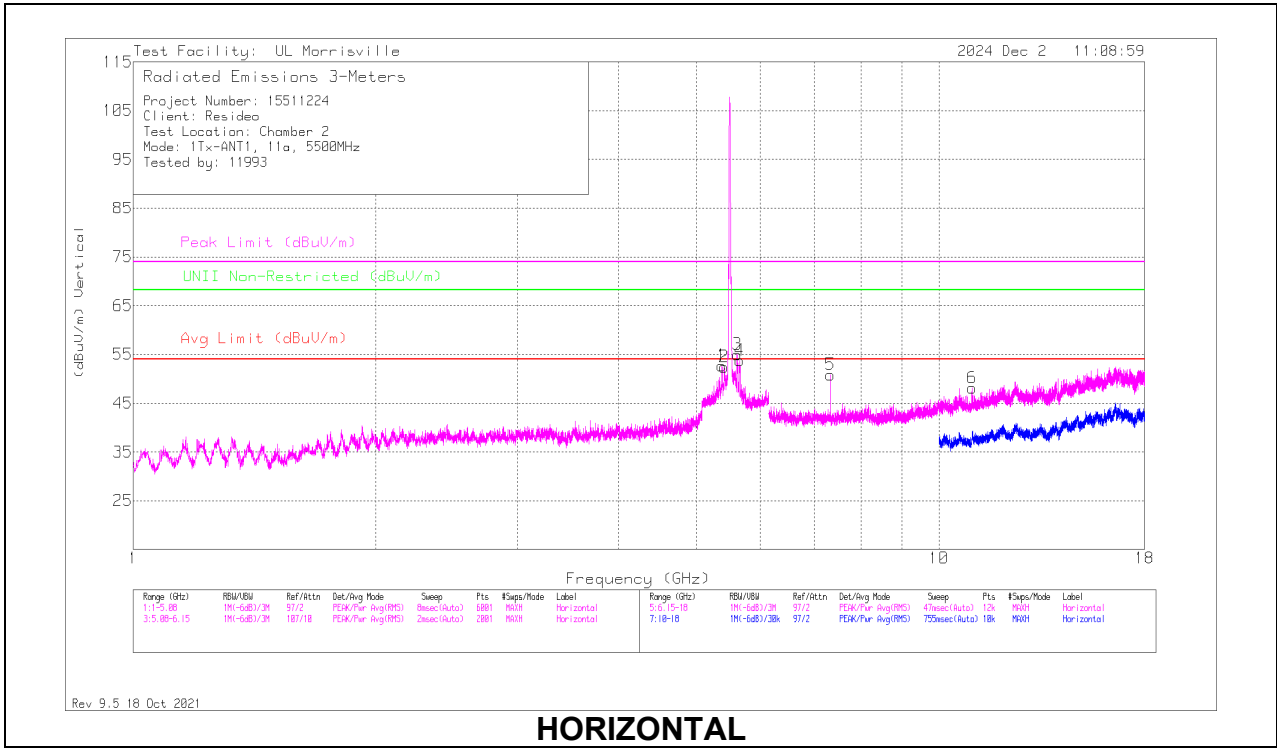
VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.75	Pk	34.7	-23.1	0	53.35	68.2	-14.85	27	243	V
2	5.72652	43.47	Pk	34.7	-23	0	55.17	68.2	-13.03	27	243	V

Pk - Peak detector

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (dB/m)	Gain/Loss (dB)	DC Corr (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	*** 5.37557	43.45	PK-U	34.4	-22.8	0	55.05	-	-	74	-18.95	-	-	15	102	H
	*** 5.3747	31.1	ADV	34.4	-22.8	.53	43.23	54	-10.77	-	-	-	-	15	102	H
2	*** 5.41712	42.58	PK-U	34.4	-23	0	53.98	-	-	74	-20.02	-	-	8	103	H
	*** 5.41838	30.2	ADV	34.4	-23	.53	42.13	54	-11.87	-	-	-	-	8	103	H
7	*** 5.37526	39.27	PK-U	34.4	-22.8	0	50.87	-	-	74	-23.13	-	-	312	139	V
	*** 5.3772	27.39	ADV	34.4	-22.8	.53	39.52	54	-14.48	-	-	-	-	312	139	V
10	*** 5.41623	46.4	PK-U	34.4	-23	0	57.8	-	-	74	-16.2	-	-	303	103	V
	*** 5.41555	27.55	ADV	34.4	-23	.53	39.48	54	-14.52	-	-	-	-	303	103	V
5	*** 7.33325	58.52	PK-U	35.6	-41.4	0	52.72	-	-	74	-21.28	-	-	347	104	H
	*** 7.33332	54.84	ADV	35.6	-41.4	.53	49.57	54	-4.43	-	-	-	-	347	104	H
6	*** 10.99585	51.73	PK-U	37.7	-40	0	49.43	-	-	74	-24.57	-	-	32	104	H
	*** 10.99395	39.11	ADV	37.7	-39.9	.53	37.44	54	-16.56	-	-	-	-	32	104	H
11	*** 7.33303	53.03	Pk	35.6	-41.4	0	47.23	54	-6.77	74	-26.77	-	-	0-360	101	V
12	*** 11.00544	55.7	PK-U	37.7	-40.3	0	53.1	-	-	74	-20.9	-	-	356	118	V
	*** 11.00328	42.88	ADV	37.7	-40.6	.53	40.51	54	-13.49	-	-	-	-	356	118	V
3	5.61661	43.59	Pk	34.6	-23.2	0	54.99	-	-	-	-	68.2	-13.21	0-360	101	H
8	5.62142	41	Pk	34.6	-23.3	0	52.3	-	-	-	-	68.2	-15.9	0-360	101	V
9	5.6578	39.75	Pk	34.6	-23.1	0	51.25	-	-	-	-	68.2	-16.95	0-360	101	V
4	5.65887	42.3	Pk	34.6	-23.1	0	53.8	-	-	-	-	68.2	-14.4	0-360	101	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average