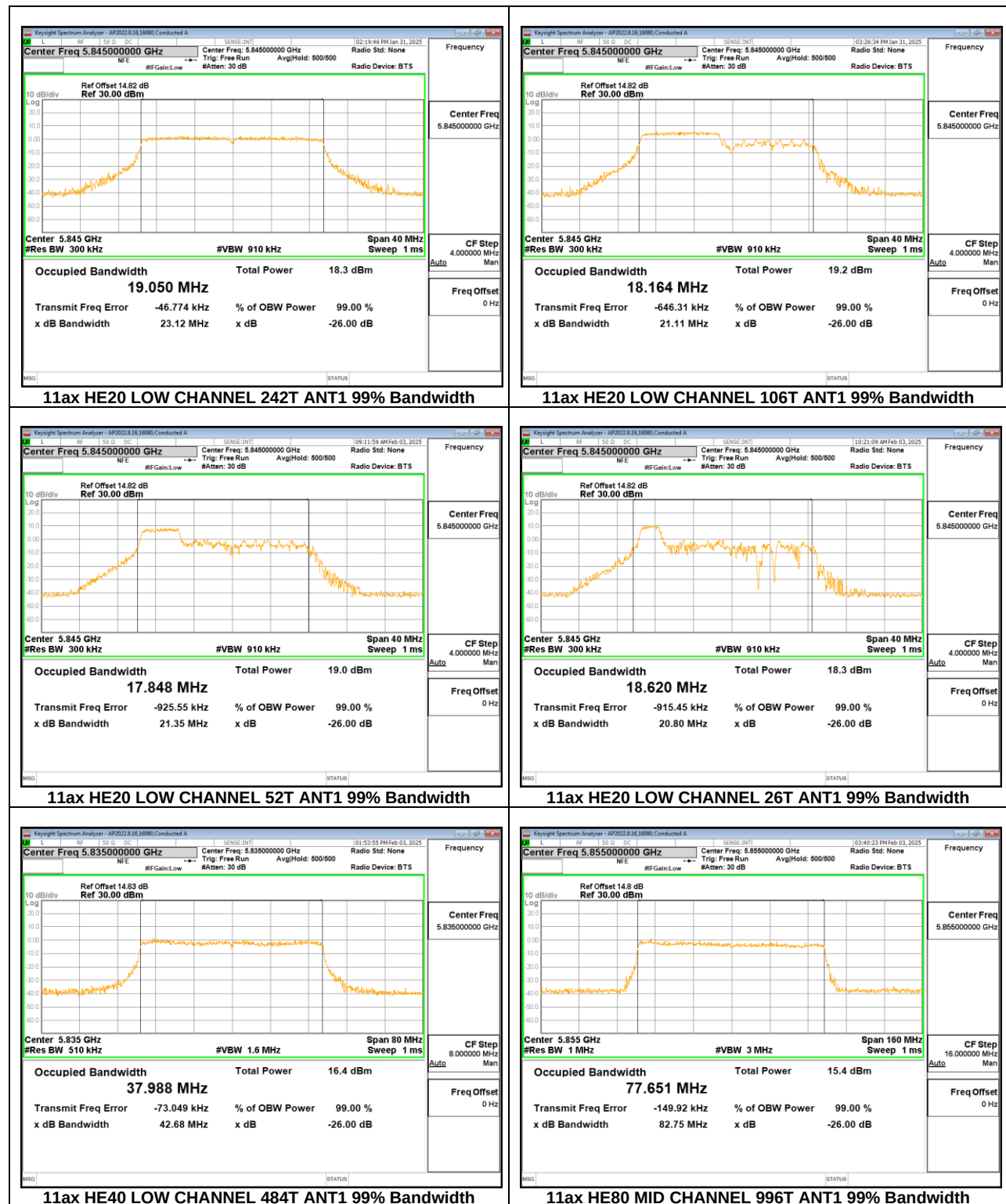
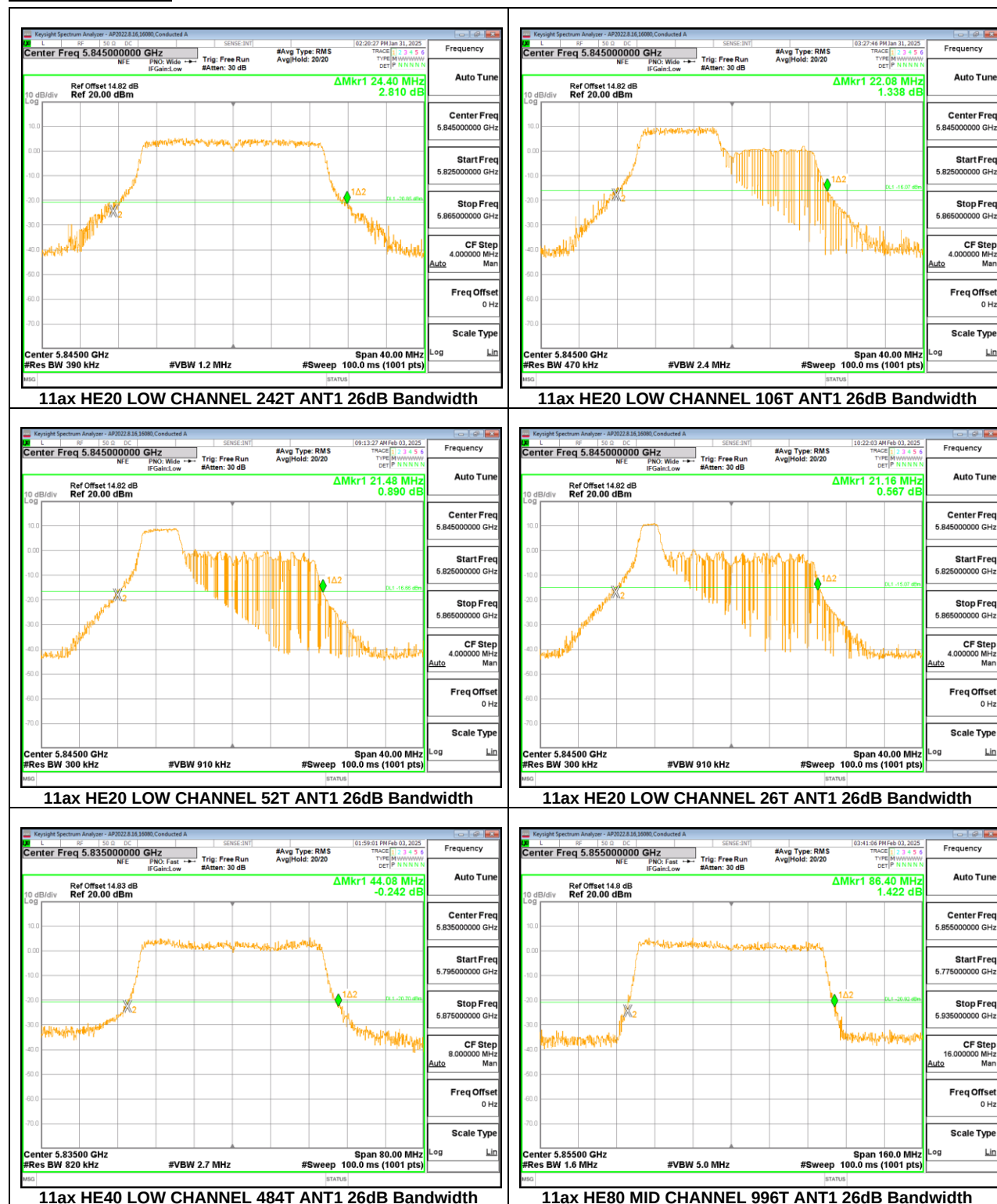


99% Bandwidth



26dB Bandwidth



9.3. 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 5.85-5.895 GHz

(3)(iii) For client devices operating under the control of an indoor access point in the 5.850 - 5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1 - megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 27 dBm. Client devices operating on a channel that spans the 5.725 - 5.850 GHz and 5.850 - 5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

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 5.25-5.35 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.

Band 5.85-5.895 GHz

For indoor client devices, the maximum e.i.r.p. shall not exceed 1 W (30 dBm). The maximum e.i.r.p. spectral density shall not exceed 14 dBm/MHz.

TEST PROCEDURE

The transmitter output is connected to a power meter.

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

For all straddle channels, full bandwidth power and PSD/MHz are reported in the 5.6GHz section because the combined 5.6GHz and 5.8GHz power and PSD/MHz already passed the worst-case 5.6GHz power and 5.8 GHz PSD/500kHz limits.

DIRECTIONAL 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:

Directional Gain value was determined using the following formula:

Uncorrelated Directional Gain dBi = $10 \log [(10^{(\text{Ant } 1/10)} + 10^{(\text{Ant } 2/10)} + \dots + 10^{(\text{Ant } N/10)})/N]$

Correlated Directional Gain dBi = $10 \log [(10^{(\text{Ant } 1/20)} + 10^{(\text{Ant } 2/20)} + \dots + 10^{(\text{Ant } N/20)^2})/N]$

N=Number of antennas

Uncorrelated Directional Gain sample calculation for 2 antenna system:

$10 \log [(10^{(-3.2/10)} + 10^{(-3/10)})/2] = -3.1 \text{ dBi}$

Correlated Directional Gain sample calculation for 2 antenna system:

$10 \log [(10^{(-3.2/20)} + 10^{(-3/20)^2})/2] = -0.09 \text{ dBi}$

Frequency Range (MHz)	Antenna 1 (dBi)	Antenna 2 (dBi)	Uncorrelated Chains (dBi)	Correlated Chains (dBi)
5150 - 5250 UNII - 1	-3.2	-3	-3.10	-0.09
5250 - 5350 UNII - 2a	-3	-3.4	-3.20	-0.19
5500 - 5700 UNII - 2c	-3.3	-3.8	-3.54	-0.54
5725 - 5825 UNII 3	-3.9	-3.8	-3.85	-0.84
5845-5885 UNII 4	-4.5	-3.6	-4.03	-1.03

Band	No. of Tx	Mode	Channel	Freq	Tones	RU Index	Min 99% BW	Min 26% BW	Ant1 Gain	Ant2 Gain	Uncorrelated Gain	Correlated Gain	FCC Power	Corrected ISD	FCC/ISD Power	FCC PSD	Corrected	FCC/ISD PSD	
(GHz)				(MHz)			(MHz)	(MHz)	(dBi)	(dBi)	(dBi)	(dBi)	(dBm)	(dBm)	(dBm)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	
5.2	2	11ax HE20	36	5180	SU		18.969	23.32	-3.20	-3.00	-3.10	-0.09	24.00	25.88	24.00	11.00	10.09	10.09	
			40	5200			18.928	23.72	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09	
			48	5240			18.948	23.48	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09	
			36	5180			18.954	22.92	-3.20	-3.00	-3.10	-0.09	24.00	25.88	24.00	11.00	10.09	10.09	
			40	5200	242T	61	19.055	23.08	-3.20	-3.00	-3.10	-0.09	24.00	25.90	24.00	11.00	10.09	10.09	
			48	5240			19.021	23.20	-3.20	-3.00	-3.10	-0.09	24.00	25.89	24.00	11.00	10.09	10.09	
			36	5180			18.062	21.60	-3.20	-3.00	-3.10	-0.09	24.00	25.67	24.00	11.00	10.09	10.09	
			40	5200			18.057	21.44	-3.20	-3.00	-3.10	-0.09	24.00	25.67	24.00	11.00	10.09	10.09	
			48	5240	106T	54	18.188	21.56	-3.20	-3.00	-3.10	-0.09	24.00	25.70	24.00	11.00	10.09	10.09	
			36	5180			18.055	20.60	-3.20	-3.00	-3.10	-0.09	24.00	25.66	24.00	11.00	10.09	10.09	
			40	5200			16.756	18.56	-3.20	-3.00	-3.10	-0.09	24.00	25.34	24.00	11.00	10.09	10.09	
			48	5240			18.117	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.68	24.00	11.00	10.09	10.09	
			36	5180	52T	0	18.507	20.52	-3.20	-3.00	-3.10	-0.09	24.00	25.77	24.00	11.00	10.09	10.09	
			40	5200			16.583	18.36	-3.20	-3.00	-3.10	-0.09	24.00	25.30	24.00	11.00	10.09	10.09	
			48	5240			18.567	20.72	-3.20	-3.00	-3.10	-0.09	24.00	25.79	24.00	11.00	10.09	10.09	
			38	5190			37.816	42.96	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
		11ax HE40	46	5230	SU		37.931	43.36	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			38	5190			37.838	44.80	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			46	5230			37.879	45.04	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210			77.362	85.60	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210	996T	67	77.608	85.60	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210			37.997	44.16	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210			37.981	44.16	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210			19.026	23.68	-3.20	-3.00	-3.10	-0.09	24.00	25.89	24.00	11.00	10.09	10.09	
			42	5210	242T	62	36.141	41.44	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09	
			42	5210			64	18.893	24.16	-3.20	-3.00	-3.10	-0.09	24.00	25.86	24.00	11.00	10.09	10.09
		42	5210	53			17.656	20.32	-3.20	-3.00	-3.10	-0.09	24.00	25.57	24.00	11.00	10.09	10.09	
		42	5210	56			17.079	21.92	-3.20	-3.00	-3.10	-0.09	24.00	25.42	24.00	11.00	10.09	10.09	
		11ax HE80	42	5210	106T	60	17.786	21.12	-3.20	-3.00	-3.10	-0.09	24.00	25.60	24.00	11.00	10.09	10.09	
			42	5210			37	17.822	20.80	-3.20	-3.00	-3.10	-0.09	24.00	25.61	24.00	11.00	10.09	10.09
			42	5210			44	17.665	21.44	-3.20	-3.00	-3.10	-0.09	24.00	25.57	24.00	11.00	10.09	10.09
			42	5210			52	17.922	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.63	24.00	11.00	10.09	10.09
			42	5210	52T	0	18.015	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.66	24.00	11.00	10.09	10.09	
			42	5210			8	35.452	38.24	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09
			42	5210			36	17.521	20.48	-3.20	-3.00	-3.10	-0.09	24.00	25.53	24.00	11.00	10.09	10.09
			42	5210			18.969	23.32	-3.20	-3.00	-3.10	-0.09	24.00	25.88	24.00	11.00	10.09	10.09	
40	5200		SU		18.928	23.72	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09			
48	5240				18.948	23.48	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09			
36	5180	18.954			22.92	-3.20	-3.00	-3.10	-0.09	24.00	25.88	24.00	11.00	10.09	10.09				
40	5200	19.055			23.08	-3.20	-3.00	-3.10	-0.09	24.00	25.90	24.00	11.00	10.09	10.09				
48	5240	242T	61	19.021	23.20	-3.20	-3.00	-3.10	-0.09	24.00	25.89	24.00	11.00	10.09	10.09				
36	5180			18.062	21.60	-3.20	-3.00	-3.10	-0.09	24.00	25.67	24.00	11.00	10.09	10.09				
40	5200			18.057	21.44	-3.20	-3.00	-3.10	-0.09	24.00	25.67	24.00	11.00	10.09	10.09				
48	5240			18.188	21.56	-3.20	-3.00	-3.10	-0.09	24.00	25.70	24.00	11.00	10.09	10.09				
36	5180	106T	53	18.055	20.60	-3.20	-3.00	-3.10	-0.09	24.00	25.66	24.00	11.00	10.09	10.09				
40	5200			16.756	18.56	-3.20	-3.00	-3.10	-0.09	24.00	25.34	24.00	11.00	10.09	10.09				
48	5240			18.117	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.68	24.00	11.00	10.09	10.09				
36	5180			18.507	20.52	-3.20	-3.00	-3.10	-0.09	24.00	25.77	24.00	11.00	10.09	10.09				
40	5200	26T	0	16.583	18.36	-3.20	-3.00	-3.10	-0.09	24.00	25.30	24.00	11.00	10.09	10.09				
48	5240			18.567	20.72	-3.20	-3.00	-3.10	-0.09	24.00	25.79	24.00	11.00	10.09	10.09				
38	5190			37.816	42.96	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09				
46	5230			37.931	43.36	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09				
11ax HE40	46	5230	SU		37.838	44.80	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09			
	42	5210			77.362	85.60	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09			
	42	5210			67	77.608	85.60	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09		
	42	5210			65	37.997	44.16	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09		
	42	5210	484T		66	37.981	44.16	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09		
	42	5210			61	19.026	23.68	-3.20	-3.00	-3.10	-0.09	24.00	25.89	24.00	11.00	10.09	10.09		
	42	5210			62	36.141	41.44	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09		
	42	5210			64	18.893	24.16	-3.20	-3.00	-3.10	-0.09	24.00	25.86	24.00	11.00	10.09	10.09		
	42	5210	242T		53	17.656	20.32	-3.20	-3.00	-3.10	-0.09	24.00	25.57	24.00	11.00	10.09	10.09		
	42	5210			56	17.079	21.92	-3.20	-3.00	-3.10	-0.09	24.00	25.42	24.00	11.00	10.09	10.09		
42	5210	60			17.786	21.12	-3.20	-3.00	-3.10	-0.09	24.00	25.60	24.00	11.00	10.09	10.09			
42	5210	37			17.822	20.80	-3.20	-3.00	-3.10	-0.09	24.00	25.61	24.00	11.00	10.09	10.09			
42	5210	52T		44	17.665	21.44	-3.20	-3.00	-3.10	-0.09	24.00	25.57	24.00	11.00	10.09	10.09			
42	5210			52	17.922	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.63	24.00	11.00	10.09	10.09			
42	5210			0	18.015	20.64	-3.20	-3.00	-3.10	-0.09	24.00	25.66	24.00	11.00	10.09	10.09			
42	5210			8	35.452	38.24	-3.20	-3.00	-3.10	-0.09	24.00	26.10	24.00	11.00	10.09	10.09			
42	5210	26T		36	17.521	20.48	-3.20	-3.00	-3.10	-0.09	24.00	25.53	24.00	11.00	10.09	10.09			
42	5210			18.969	23.32	-3.20	-3.00	-3.10	-0.09	24.00	25.88	24.00	11.00	10.09	10.09				
40	5200			18.928	23.72	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09				
48	5240			18.948	23.48	-3.20	-3.00	-3.10	-0.09	24.00	25.87	24.00	11.00	10.09	10.09				

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Gain (dBi)	Correlated Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500kHz)
5.8	2	11ax HE20	149	5745	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE20	149	5745	242T	61	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	106T	53	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	52T	37	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			149	5745	26T	0	-3.90	-3.80	-3.85	-0.84	30.00	30.00
			157	5785			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			165	5825			-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE40	151	5755	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
			159	5795			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			151	5755	484T	65	-3.90	-3.80	-3.85	-0.84	30.00	30.00
		11ax HE80	159	5795			-3.90	-3.80	-3.85	-0.84	30.00	30.00
			155	5775	SU		-3.90	-3.80	-3.85	-0.84	30.00	30.00
			155	5775			-3.90	-3.80	-3.85	-0.84	30.00	30.00

Band (GHz)	No. of Tx	Mode	Channel	Freq (MHz)	Tones	RU Index	Ant1 Gain (dBi)	Ant2 Gain (dBi)	Uncorrelated Directional Gain (dBi)	Correlated Directional Gain (dBi)	FCC/ISED EIRP Power Limit (dBm)	FCC/ISED EIRP PSD Limit (dBm/1MHz)
5.9	2	11ax HE20	169	5845	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	242T	61	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	106T	53	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	52T	37	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			169	5845	26T	0	-4.50	-3.60	-4.03	-1.03	30.00	14.00
			173	5865			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			177	5885			-4.50	-3.60	-4.03	-1.03	30.00	14.00
		11ax HE40	167	5835	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
			175	5875			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			167	5835	484T	65	-4.50	-3.60	-4.03	-1.03	30.00	14.00
		11ax HE80	175	5875			-4.50	-3.60	-4.03	-1.03	30.00	14.00
			171	5855	SU		-4.50	-3.60	-4.03	-1.03	30.00	14.00
			171	5855			-4.50	-3.60	-4.03	-1.03	30.00	14.00

RESULTS

Partial plots included in PSD for each band are representative of the method and settings parameters used for the test.

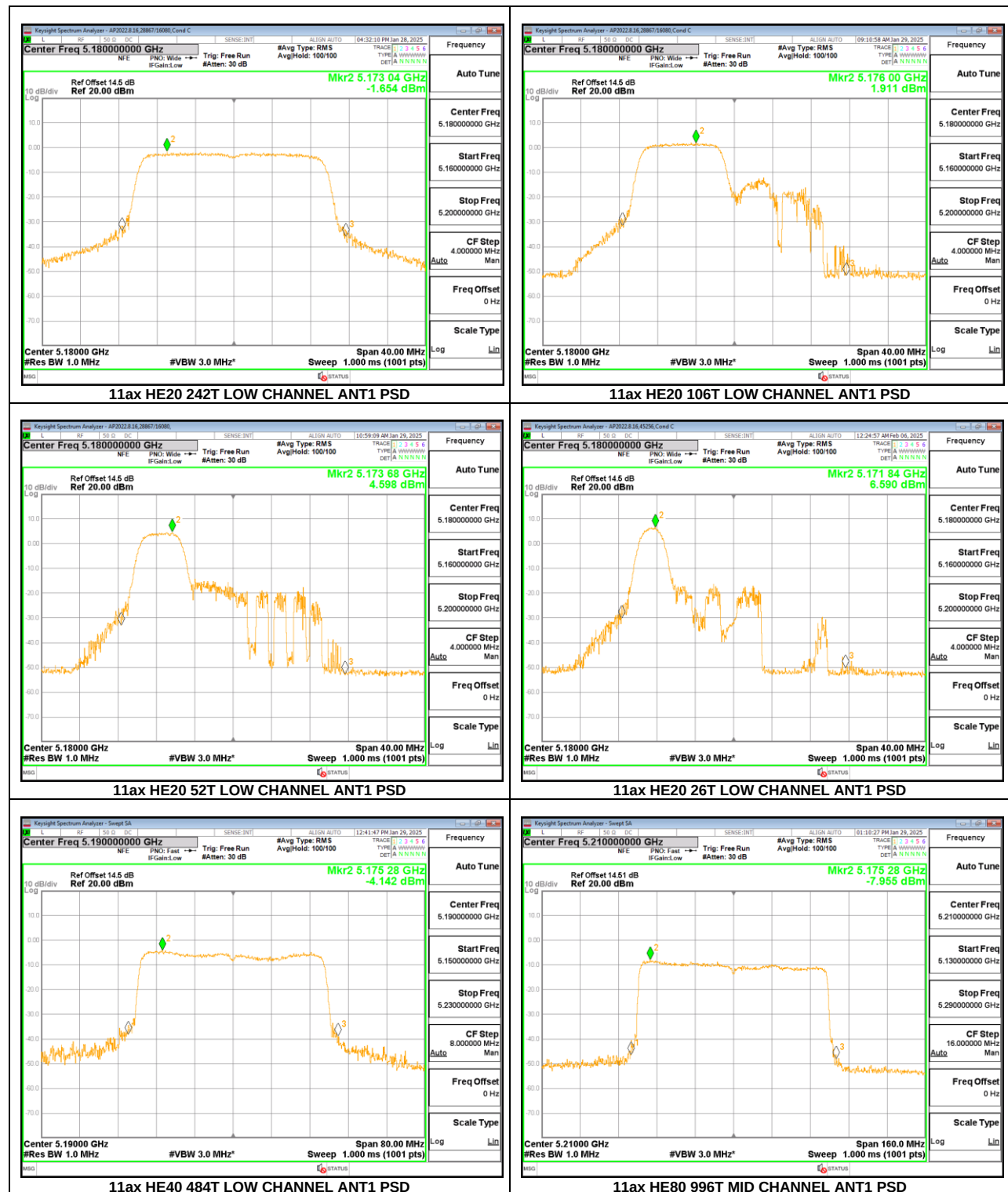
9.3.1. 5.2 GHz BAND

2TX Ant1 + Ant2 CDD MODE (FCC)

Test Engineer:	ZS 16080
Test Date:	2025-01-27

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)	
5.2	11ax HE20	36	5180	SU		14.53	14.48	17.52	24.00	-6.48	2.134	1.870	5.74	10.09	-4.35	
		40	5200			14.94	14.81	17.89	24.00	-6.11	2.451	2.134	6.03	10.09	-4.06	
		48	5240			14.75	14.19	17.49	24.00	-6.51	1.593	1.466	5.26	10.09	-4.83	
		36	5180	242T	61	10.15	9.96	13.07	24.00	-10.93	-1.654	-1.882	1.92	10.09	-8.17	
		40	5200			10.55	9.65	13.13	24.00	-10.87	-1.714	-2.058	1.80	10.09	-8.29	
		48	5240			5.37	4.97	8.18	24.00	-15.82	-2.335	-2.828	1.11	10.09	-8.98	
		36	5180	106T	53	10.63	10.21	13.44	24.00	-10.56	1.911	1.405	5.01	10.09	-5.08	
		40	5200			10.37	10.15	13.27	24.00	-10.73	1.896	1.427	5.01	10.09	-5.08	
		48	5240			5.47	5.13	8.31	24.00	-15.69	-3.304	-4.185	-0.38	10.09	-10.47	
		36	5180	52T	37	10.32	9.80	13.08	24.00	-10.92	4.598	4.210	7.63	10.09	-2.46	
		40	5200			38	10.90	10.45	13.69	24.00	-10.31	4.674	4.361	7.74	10.09	-2.35
		48	5240			40	5.26	5.13	8.21	24.00	-15.79	3.398	3.228	6.53	10.09	-3.56
		36	5180	26T	0	10.32	9.82	13.09	24.00	-10.91	6.590	5.893	9.39	10.09	-0.69	
		40	5200			4	10.58	10.28	13.44	24.00	-10.56	6.480	5.994	9.38	10.09	-0.71
		48	5240			8	5.07	4.98	8.04	24.00	-15.96	5.779	5.972	9.02	10.09	-1.07
	11ax HE40	38	5190	SU		10.92	10.05	13.52	24.00	-10.48	-2.372	-2.326	1.87	10.09	-8.22	
		46	5230			12.46	12.04	15.27	24.00	-8.73	-1.751	-2.216	2.24	10.09	-7.84	
		38	5190	484T	65	9.93	9.21	12.60	24.00	-11.40	-4.142	-5.114	-0.43	10.09	-10.52	
		46	5230			5.19	4.30	7.78	24.00	-16.22	-5.082	-5.362	-1.05	10.09	-11.14	
	11ax HE80	42	5210	SU		10.99	10.10	13.58	24.00	-10.42	-5.982	-6.663	-1.38	10.09	-11.47	
		42	5210	996T	67	8.92	8.42	11.69	24.00	-12.31	-7.955	-9.607	-3.90	10.09	-13.99	
		42	5210			65	7.92	7.48	10.72	24.00	-13.28	-5.729	-7.446	-2.35	10.09	-12.44
		42	5210	484T	66	7.38	6.60	10.02	24.00	-13.98	-7.116	-7.946	-3.35	10.09	-13.44	
		42	5210			61	6.95	5.88	9.46	24.00	-14.54	-4.601	-5.658	-1.40	10.09	-11.49
		42	5210	242T	62	6.94	6.51	9.74	24.00	-14.26	-4.167	-5.183	-0.95	10.09	-11.04	
		42	5210			64	6.53	5.93	9.25	24.00	-14.75	-5.288	-5.682	-1.78	10.09	-11.87
		42	5210	53	63	6.96	5.66	9.37	24.00	-14.63	-0.995	-1.884	1.93	10.09	-8.16	
		42	5210			56	6.95	6.36	9.68	24.00	-14.32	-0.148	-1.093	2.75	10.09	-7.34
		42	5210	106T	60	6.61	6.21	9.42	24.00	-14.58	-1.675	-1.231	1.90	10.09	-8.19	
		42	5210			37	6.92	5.85	9.43	24.00	-14.57	2.090	0.906	4.72	10.09	-5.37
		42	5210	52T	44	6.95	6.39	9.69	24.00	-14.31	2.943	1.688	5.54	10.09	-4.55	
		42	5210			52	6.12	5.88	9.01	24.00	-14.99	1.364	1.719	4.73	10.09	-5.36
		42	5210	26T	0	6.91	5.34	9.21	24.00	-14.79	4.422	2.726	6.67	10.09	-3.42	
		42	5210			18	6.54	6.10	9.34	24.00	-14.66	3.492	2.625	6.09	10.09	-4.00
		42	5210			36	6.61	5.46	9.08	24.00	-14.92	3.685	3.508	6.61	10.09	-3.48

PSD



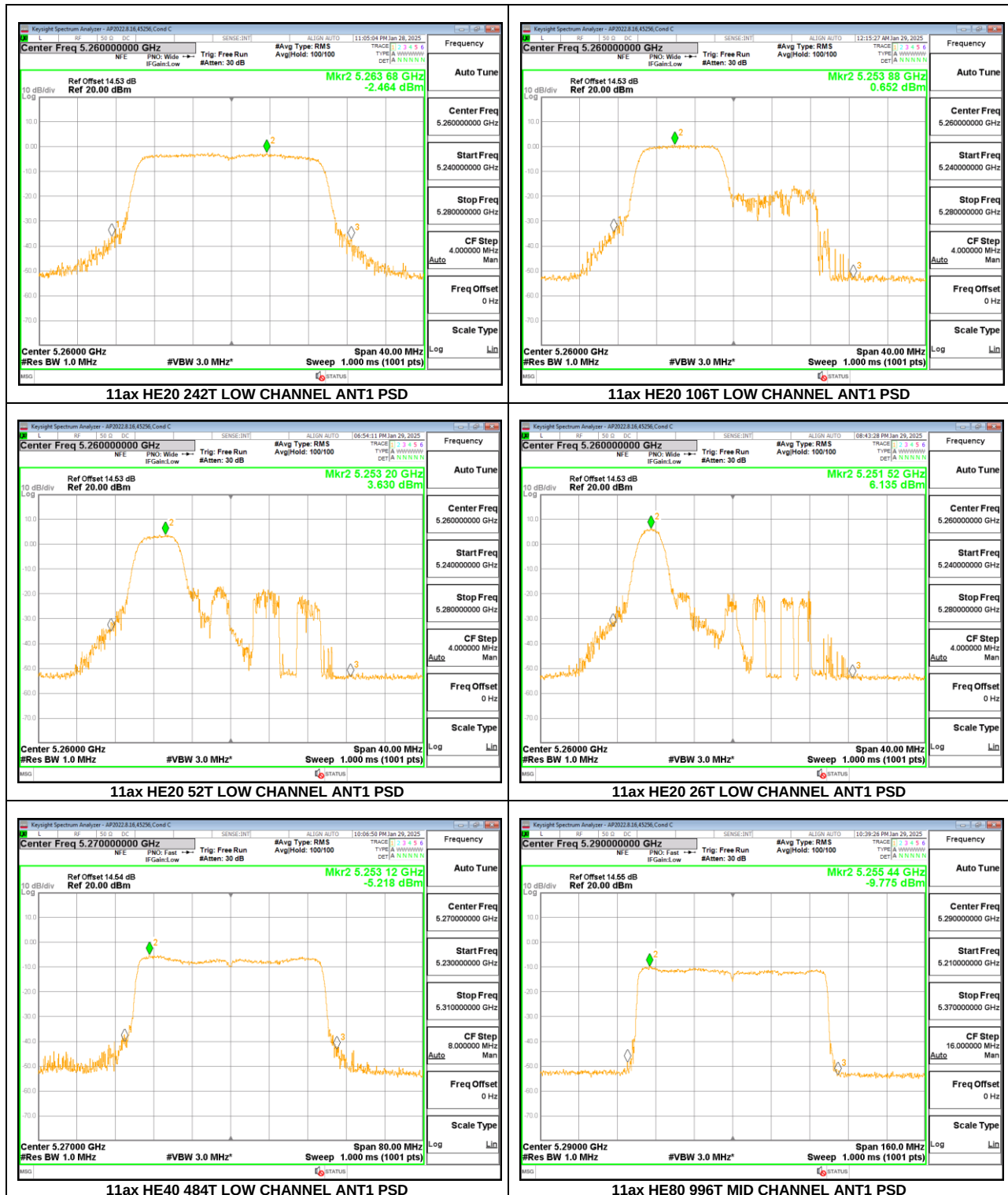
9.3.2. 5.3 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	ZS16080
Test Date:	2025-01-27

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.3	11ax HE20	52	5260	SU		13.88	14.16	17.03	23.79	-6.76	1.384	1.358	5.10	11.00	-5.90
		60	5300			14.97	14.17	17.60	23.79	-6.19	2.217	2.060	5.87	11.00	-5.13
		64	5320			14.35	14.61	17.49	23.79	-6.30	2.080	1.485	5.53	11.00	-5.47
		52	5260	242T	61	9.55	9.44	12.51	23.79	-11.29	-2.464	-3.004	0.96	11.00	-10.04
		60	5300			10.21	10.18	13.21	23.80	-10.59	-2.124	-2.423	1.41	11.00	-9.59
		64	5320			9.73	9.32	12.54	23.79	-11.25	-2.217	-2.698	1.23	11.00	-9.77
		52	5260	106T	53	9.47	9.52	12.51	23.58	-11.07	0.652	0.532	3.94	11.00	-7.06
		60	5300			10.42	9.68	13.08	23.54	-10.46	1.113	1.417	4.61	11.00	-6.39
		64	5320			9.46	9.53	12.51	23.59	-11.08	0.875	0.462	4.02	11.00	-6.98
		52	5260	52T	37	9.29	8.83	12.08	23.57	-11.50	3.630	3.643	6.86	11.00	-4.14
		60	5300			10.37	9.82	13.11	23.21	-10.10	4.165	4.033	7.32	11.00	-3.68
		64	5320			9.41	8.75	12.10	23.59	-11.48	3.582	3.288	6.66	11.00	-4.34
		52	5260	26T	0	9.08	9.02	12.06	23.62	-11.56	6.135	5.758	9.09	11.00	-1.91
		60	5300			10.37	9.73	13.07	23.03	-9.95	5.925	5.856	9.03	11.00	-1.97
		64	5320			9.11	9.03	12.08	23.57	-11.49	6.241	5.637	9.09	11.00	-1.91
	11ax HE40	54	5270	SU		12.52	12.37	15.46	24.00	-8.54	-2.318	-2.611	1.76	11.00	-9.24
		62	5310			12.45	11.82	15.16	24.00	-8.84	-2.405	-2.393	1.82	11.00	-9.18
		54	5270			9.61	9.23	12.43	24.00	-11.57	-5.218	-5.618	-1.24	11.00	-12.24
		62	5310	484T	65	9.46	9.02	12.26	24.00	-11.74	-5.287	-5.276	-1.11	11.00	-12.11
	11ax HE80	58	5290	SU		10.89	10.70	13.81	24.00	-10.19	-6.926	-7.768	-2.40	11.00	-13.40
		58	5290	996T	67	8.77	8.52	11.66	24.00	-12.34	-9.775	-10.374	-5.26	11.00	-16.26

PSD



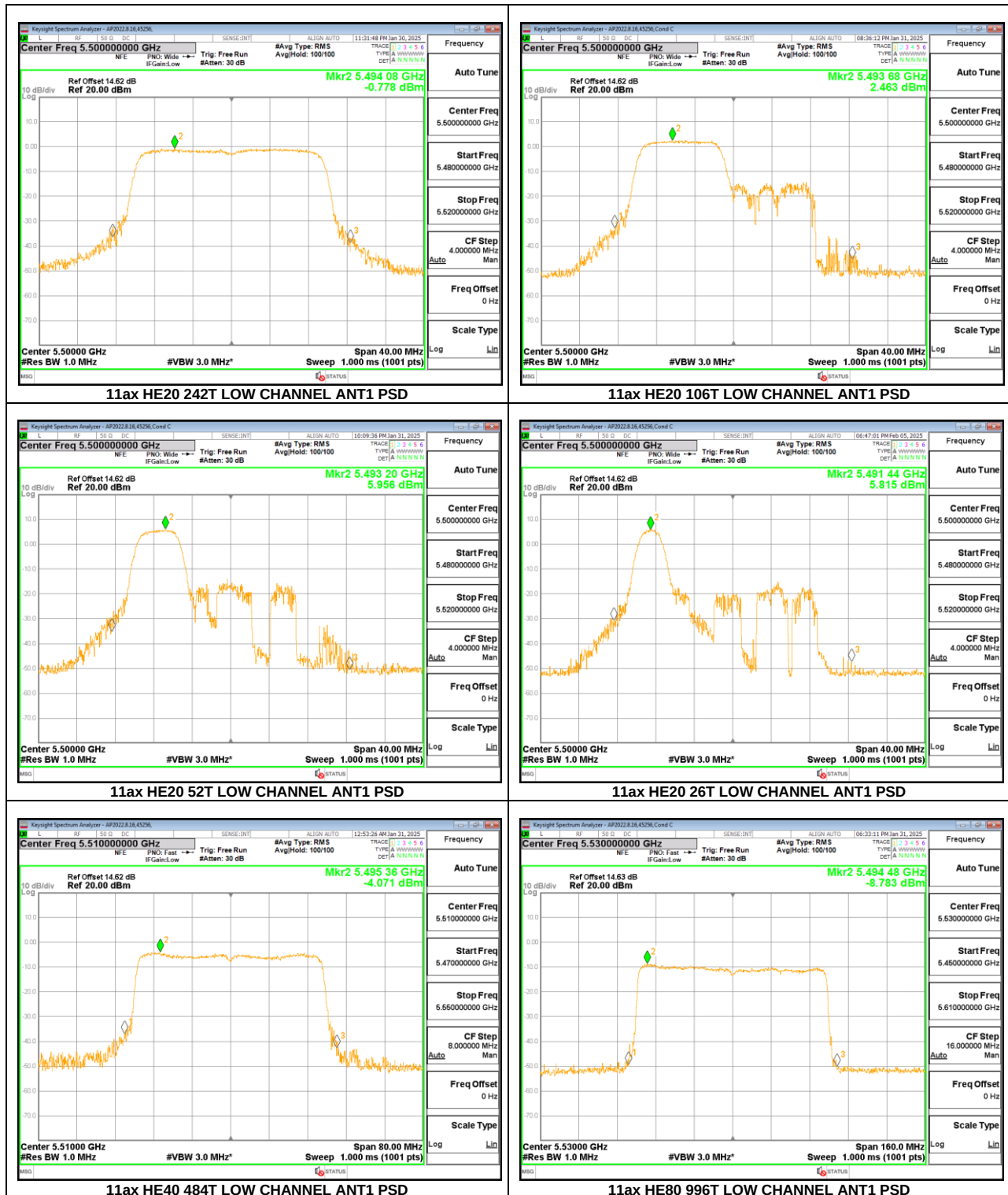
9.3.3. 5.6 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	45256 JB
Test Date:	2025-01-30

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.6	11ax HE20	100	5500	SU		15.36	15.19	18.29	23.79	-5.51	3.710	3.301	7.24	11.00	-3.76
		116	5580			15.88	15.05	18.50	23.80	-5.30	3.926	2.880	7.17	11.00	-3.83
		140	5700			15.95	14.72	18.39	23.80	-5.41	4.095	2.580	7.14	11.00	-3.86
		144	5720			15.61	15.04	18.34	23.79	-5.45	3.569	2.458	6.78	11.00	-4.22
		100	5500	242T	61	10.88	10.72	13.81	23.79	-9.98	-0.778	-1.185	2.71	11.00	-8.29
		116	5580			10.95	10.21	13.61	23.80	-10.19	-0.133	-2.044	2.70	11.00	-8.30
		140	5700			10.92	10.22	13.59	23.80	-10.20	-0.525	-1.929	2.51	11.00	-8.49
		144	5720(Straddle)			10.88	10.35	13.63	23.79	-10.16	-0.654	-1.976	2.42	11.00	-8.58
		100	5500	106T	53	10.84	10.68	13.77	23.57	-9.80	2.463	2.219	5.69	11.00	-5.31
		116	5580			10.96	10.34	13.67	23.57	-9.90	2.960	2.009	5.86	11.00	-5.14
		140	5700			10.85	9.94	13.43	23.60	-10.17	2.740	1.613	5.56	11.00	-5.44
		144	5720(Straddle)			10.91	10.43	13.69	23.53	-9.85	2.680	1.517	5.48	11.00	-5.52
		100	5500	52T	37	10.81	10.94	13.89	23.59	-9.71	5.956	5.600	9.00	11.00	-2.00
		116	5580			10.85	10.14	13.52	23.17	-9.65	6.208	5.446	9.06	11.00	-1.94
		140	5700			10.93	9.51	13.29	23.60	-10.31	5.253	4.270	8.01	11.00	-2.99
		144	5720(Straddle)			10.76	9.47	13.17	23.57	-10.40	5.131	4.459	8.03	11.00	-2.97
		100	5500	26T	0	8.92	9.07	12.01	23.68	-11.68	5.815	5.474	8.79	11.00	-2.21
		116	5580			9.87	9.11	12.52	23.03	-10.51	6.631	5.559	9.27	11.00	-1.73
		140	5700			9.91	8.61	12.32	23.68	-11.36	6.999	5.108	9.29	11.00	-1.71
		144	5720(Straddle)			9.07	8.95	12.02	23.64	-11.62	6.284	5.242	8.93	11.00	-2.07
	11ax HE40	102	5510	SU		13.18	13.13	16.17	24.00	-7.83	-0.671	-1.100	3.34	11.00	-7.66
		110	5550			12.82	13.44	16.15	24.00	-7.85	-0.692	-1.558	3.12	11.00	-7.88
		134	5670			13.87	13.83	16.86	24.00	-7.14	0.069	-0.834	3.86	11.00	-7.14
		142	5710			13.56	12.55	16.09	24.00	-7.91	-0.275	-1.948	3.19	11.00	-7.81
		102	5510	484T	65	7.95	7.82	10.90	24.00	-13.10	-4.071	-4.318	-0.02	11.00	-11.02
		110	5550			9.85	9.15	12.52	24.00	-11.48	-2.978	-4.054	0.69	11.00	-10.31
		134	5670			9.58	9.61	12.61	24.00	-11.39	-2.574	-3.335	1.23	11.00	-9.77
		142	5710(Straddle)			9.95	9.23	12.62	24.00	-11.38	-2.268	-3.829	1.19	11.00	-9.81
	11ax HE80	106	5530	SU		12.62	12.07	15.36	24.00	-8.64	-5.880	-6.031	-1.03	11.00	-12.03
		122	5610			12.09	11.97	15.04	24.00	-8.96	-4.788	-5.384	-0.15	11.00	-11.15
		138	5690			12.74	11.86	15.33	24.00	-8.67	-4.583	-4.665	0.30	11.00	-10.70
		106	5530			7.92	7.57	10.76	24.00	-13.24	-8.783	-8.736	-3.96	11.00	-14.96
		122	5610	996	67	8.71	8.37	11.55	24.00	-12.45	-8.006	-8.292	-3.34	11.00	-14.34
		138	5690(Straddle)			8.94	8.19	11.59	24.00	-12.41	-7.530	-8.874	-3.35	11.00	-14.35

PSD



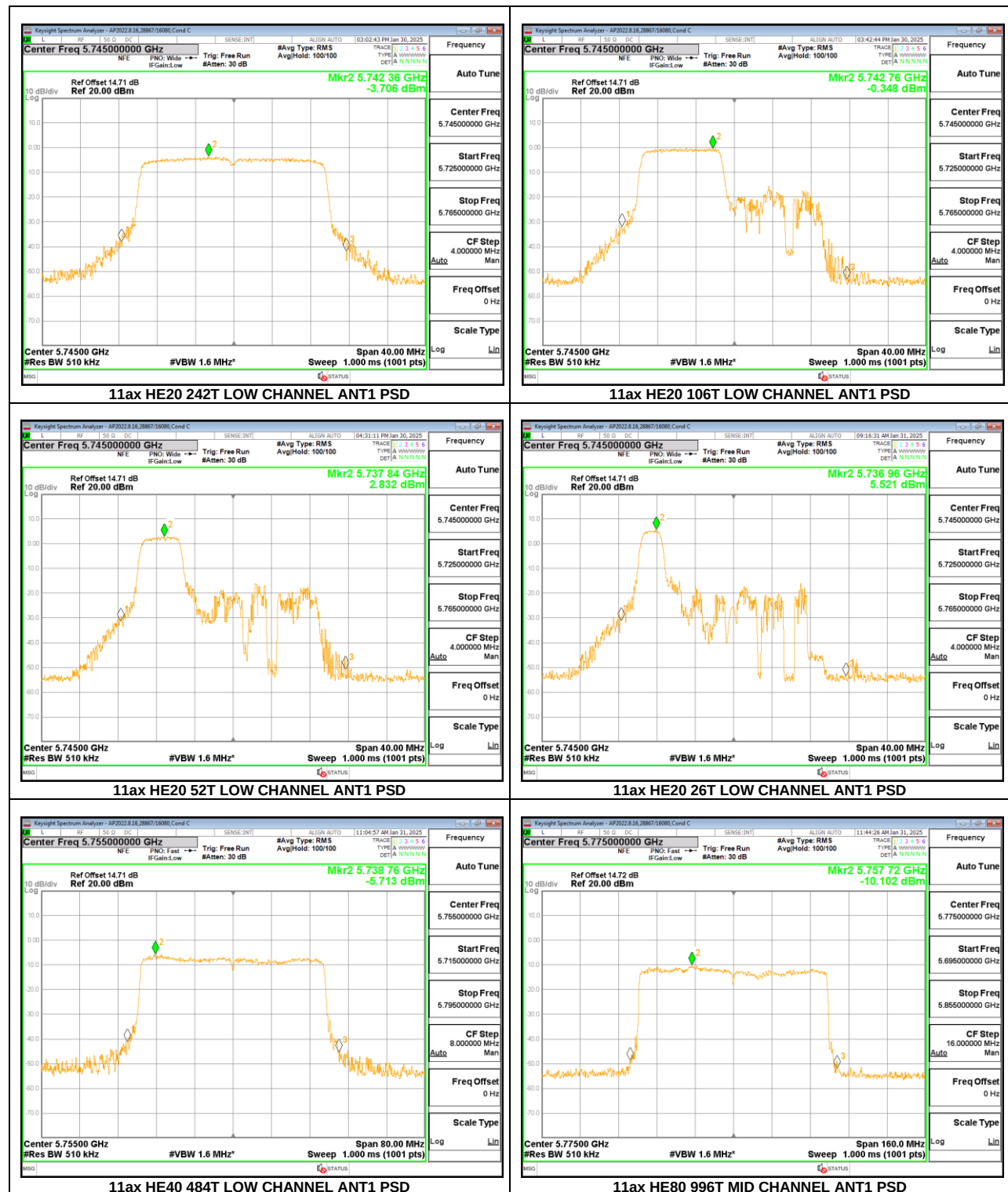
9.3.4. 5.8 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	45256 JB
Test Date:	2025-01-29

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Power Limit (dBm)	Power Margin (dB)	PSD (dBm/500kHz) Ant1	PSD (dBm/500kHz) Ant2	Corrected PSD with DCCF (dBm/500kHz)	PSD Limit (dBm/500kHz)	PSD Margin (dB)
5.8	11ax HE20	149	5745	SU		13.18	13.11	16.16	30.00	-13.84	-1.569	-1.846	2.03	30.00	-27.97
		157	5785			13.48	13.17	16.34	30.00	-13.66	-1.552	-1.901	2.01	30.00	-27.99
		165	5825			13.15	13.48	16.33	30.00	-13.67	-1.731	-1.575	2.08	30.00	-27.92
		149	5745	242T	61	10.45	10.52	13.50	30.00	-16.50	-3.706	-3.773	-0.06	30.00	-30.06
		157	5785			10.92	9.95	13.47	30.00	-16.53	-3.845	-3.762	-0.12	30.00	-30.12
		165	5825			9.81	10.98	13.44	30.00	-16.56	-3.863	-3.844	-0.17	30.00	-30.17
		149	5745	106T	53	10.79	10.46	13.64	30.00	-16.36	-0.348	-0.372	2.98	30.00	-27.02
		157	5785			10.92	9.91	13.45	30.00	-16.55	0.198	0.099	3.49	30.00	-26.51
		165	5825			10.94	11.00	13.98	30.00	-16.02	-0.686	-0.390	2.81	30.00	-27.19
		149	5745	52T	37	10.99	10.89	13.95	30.00	-16.05	2.832	2.983	6.13	30.00	-23.87
		157	5785			10.98	10.77	13.89	30.00	-16.11	3.395	2.943	6.39	30.00	-23.61
		165	5825			10.91	10.99	13.96	30.00	-16.04	2.156	2.776	5.70	30.00	-24.30
		149	5745	26T	0	10.97	10.84	13.92	30.00	-16.08	5.521	5.784	8.79	30.00	-21.21
		157	5785			10.91	10.49	13.72	30.00	-16.28	5.913	5.548	8.87	30.00	-21.13
		165	5825			10.54	10.64	13.60	30.00	-16.40	4.925	5.218	8.21	30.00	-21.79
	11ax HE40	151	5755	SU		13.40	13.35	16.39	30.00	-13.61	-3.174	-3.544	0.87	30.00	-29.13
		159	5795			13.46	13.22	16.35	30.00	-13.65	-3.846	-4.540	0.04	30.00	-29.96
		151	5755	484T	65	9.98	9.71	12.86	30.00	-17.14	-5.713	-5.571	-1.47	30.00	-31.47
		159	5795			9.95	9.78	12.88	30.00	-17.12	-6.192	-6.257	-2.05	30.00	-32.05
	11ax HE80	155	5775	SU		12.48	12.32	15.41	30.00	-14.59	-8.087	-8.227	-3.23	30.00	-33.23
		155	5775			8.87	8.77	11.83	30.00	-18.17	-10.102	-10.183	-5.34	30.00	-35.34

PSD



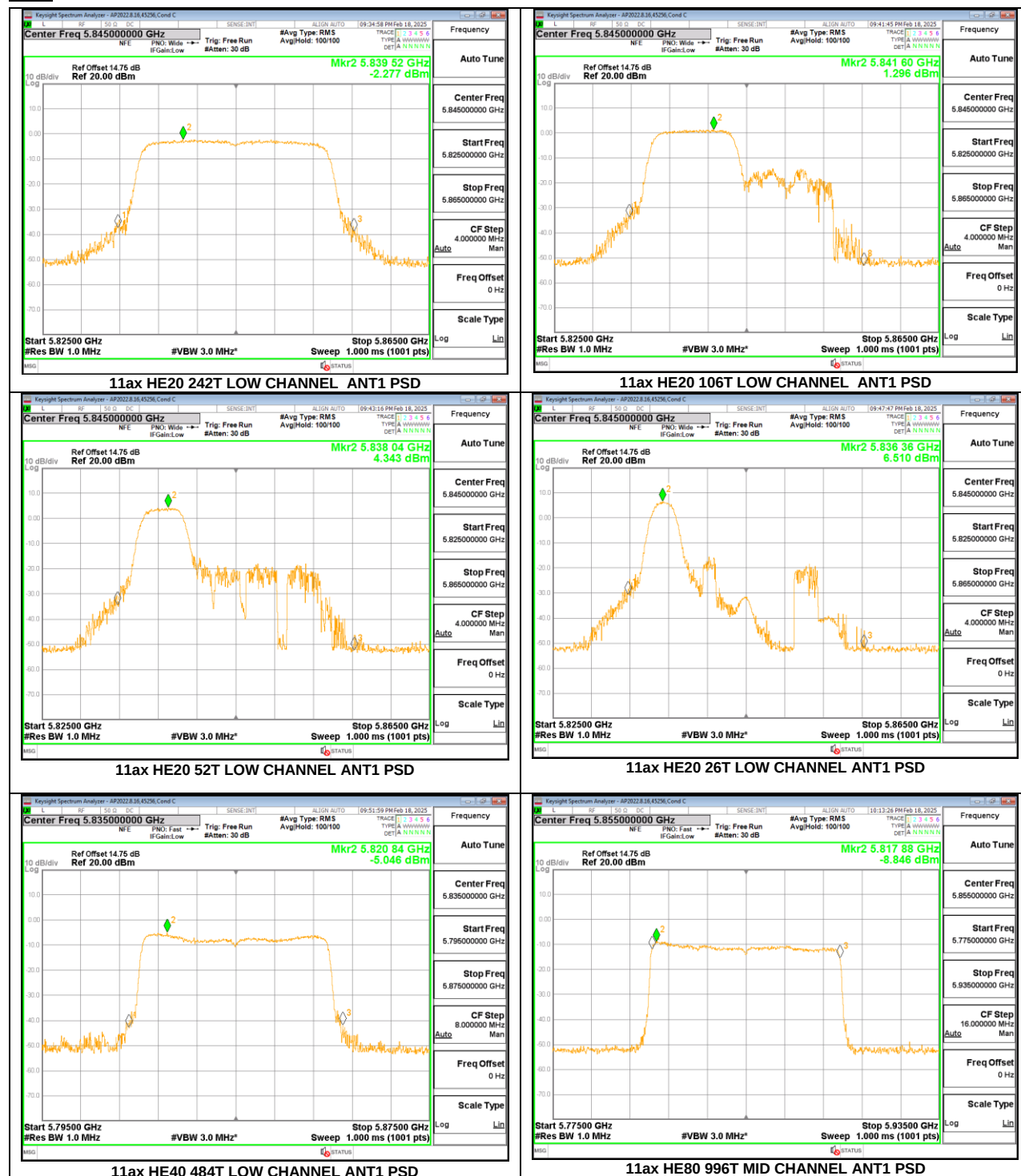
9.3.5. 5.9 GHz BAND

2TX Ant1 + Ant2 CDD MODE

Test Engineer:	45256 JB
Test Date:	2025-02-18

Band (GHz)	Mode	Channel	Frequency (MHz)	Tones	RU Index	Measured Conducted Avg Power (dBm) Ant1	Measured Conducted Avg Power (dBm) Ant2	Total MIMO Conducted Avg Power (dBm)	Uncorrelated Directional Gain (dBi)	Total MIMO Conducted Avg EIRP Power (dBm)	EIRP Power Limit (dBm)	EIRP Power Margin (dB)	PSD (dBm/1MHz) Ant1	PSD (dBm/1MHz) Ant2	Corrected PSD with DCCF (dBm/1MHz)	Correlated Directional Gain (dBi)	Corrected EIRP PSD (dBm/1MHz)	EIRP PSD Limit (dBm/1MHz)	PSD Margin (dB)
5.9	11ax HE20	169	5845	SU		13.43	13.99	16.73	-4.03	12.70	30.00	-17.30	1.975	1.847	5.65	-1.03	4.62	14.00	-9.38
		173	5865			13.77	13.63	16.71	-4.03	12.68	30.00	-17.32	2.179	2.608	6.13	-1.03	5.10	14.00	-8.90
		177	5885			13.57	12.51	16.08	-4.03	12.06	30.00	-17.94	2.003	1.006	5.27	-1.03	4.24	14.00	-9.76
		169	5845	242T	61	10.47	10.19	13.34	-4.03	9.32	30.00	-20.68	-2.277	-2.342	1.37	-1.03	0.34	14.00	-13.66
		173	5865			10.75	10.07	13.43	-4.03	9.41	30.00	-20.59	-0.713	-1.072	2.79	-1.03	1.76	14.00	-12.24
		177	5885			10.90	10.58	13.75	-4.03	9.73	30.00	-20.27	-1.001	-1.798	2.30	-1.03	1.27	14.00	-12.73
		169	5845	106T	53	10.28	10.33	13.32	-4.03	9.29	30.00	-20.71	1.296	1.638	4.82	-1.03	3.79	14.00	-10.21
		173	5865			10.68	10.29	13.50	-4.03	9.47	30.00	-20.53	2.513	2.677	5.94	-1.03	4.91	14.00	-9.09
		177	5885			10.97	10.21	13.62	-4.03	9.59	30.00	-20.41	2.403	1.340	5.25	-1.03	4.22	14.00	-9.78
		169	5845	52T	37	10.20	10.15	13.19	-4.03	9.16	30.00	-20.94	4.343	4.281	7.53	-1.03	6.50	14.00	-7.50
		173	5865			11.00	10.63	13.83	-4.03	9.80	30.00	-20.20	5.617	5.912	8.99	-1.03	7.96	14.00	-6.04
		177	5885			10.79	10.09	13.46	-4.03	9.44	30.00	-20.56	5.242	4.375	8.05	-1.03	7.02	14.00	-6.98
		169	5845	26T	4	10.32	10.81	13.58	-4.03	9.56	30.00	-20.44	6.510	7.186	7.19	-1.03	6.16	14.00	-7.84
		173	5865			10.81	10.52	13.68	-4.03	9.65	30.00	-20.35	7.039	7.397	7.40	-1.03	6.37	14.00	-7.63
		177	5885			10.46	9.67	13.09	-4.03	9.07	30.00	-20.93	7.991	7.616	10.95	-1.03	9.92	14.00	-4.08
	11ax HE40	167	5835	SU		11.82	11.77	14.81	-4.03	10.78	30.00	-19.22	-1.886	-1.681	2.44	-1.03	1.41	14.00	-12.59
		175	5875			11.99	11.70	14.86	-4.03	10.83	30.00	-19.17	-1.471	-1.441	2.77	-1.03	1.74	14.00	-12.26
		167	5835	484T	65	9.72	9.99	12.87	-4.03	8.84	30.00	-21.16	-5.046	-4.997	-0.85	-1.03	-1.88	14.00	-15.88
		175	5875			9.87	9.12	12.52	-4.03	8.49	30.00	-21.51	-4.977	-5.107	-0.87	-1.03	-1.90	14.00	-15.90
	11ax HE80	171	5855	SU		11.65	11.30	14.49	-4.03	10.46	30.00	-19.54	-5.755	-5.287	-0.59	-1.03	-1.61	14.00	-15.61
		171	5855	996	67	8.12	8.97	11.58	-4.03	7.55	30.00	-22.45	-8.846	-10.519	-4.80	-1.03	-5.83	14.00	-19.83

PSD



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b): 1-4, 5(ii & iii) -Un-Restricted bands

RSS-GEN 8.9, 8.10

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)

6.2.4.3 (for 5725-5850 MHz band)

6.2.5.3 (for 5850-5895 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, 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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

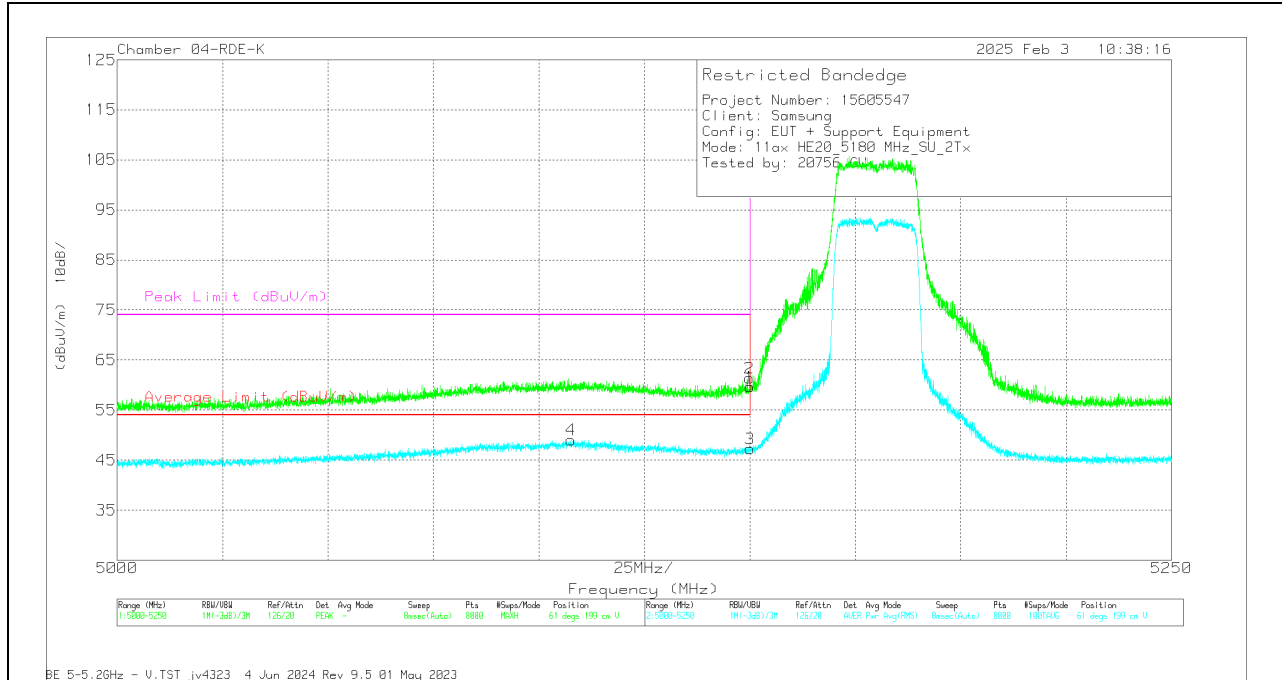
Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

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.

NOTE: The limits in CFR 47, 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.

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (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
4	* 5107.67	46.02	RMS	34.3	-31.3	.72	49.74	54	-4.26	-	-	61	199	V
2	* 5149.925	58.16	Pk	34.4	-31.2	0	61.36	-	-	74	-12.64	61	199	V
1	* 5150	56.41	Pk	34.4	-31.2	0	59.61	-	-	74	-14.39	61	199	V
3	* 5150	44.02	RMS	34.4	-31.2	.72	47.94	54	-6.06	-	-	61	199	V

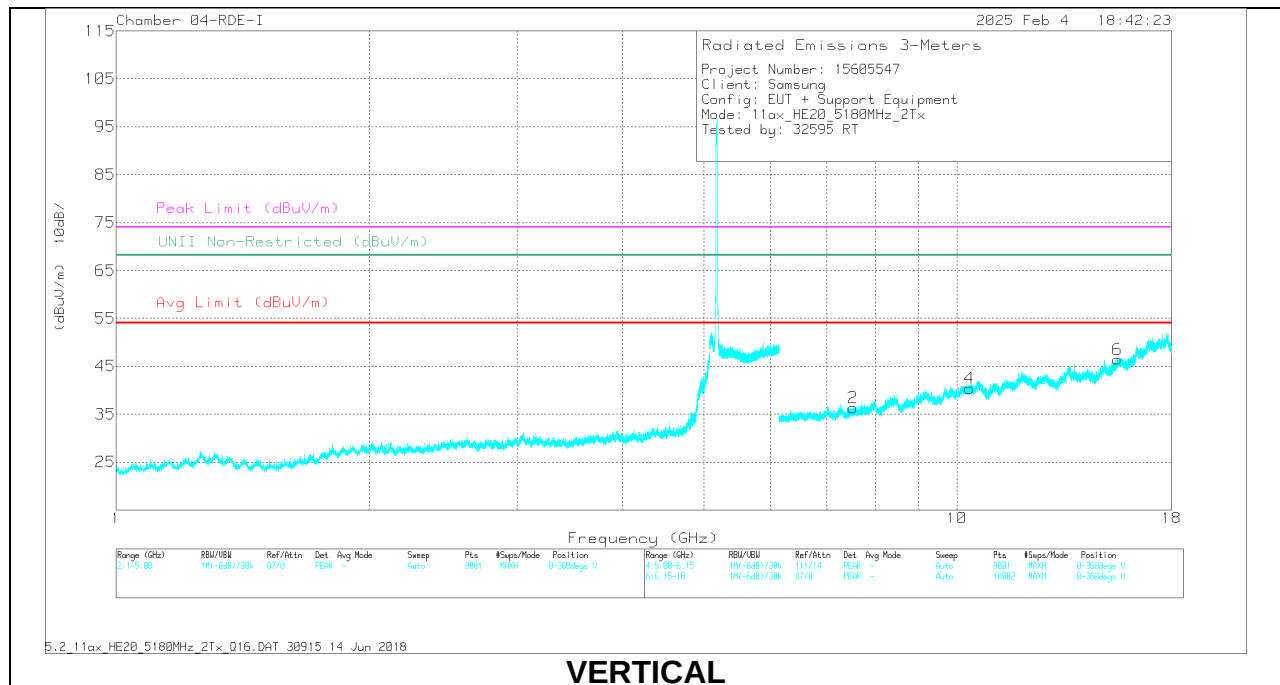
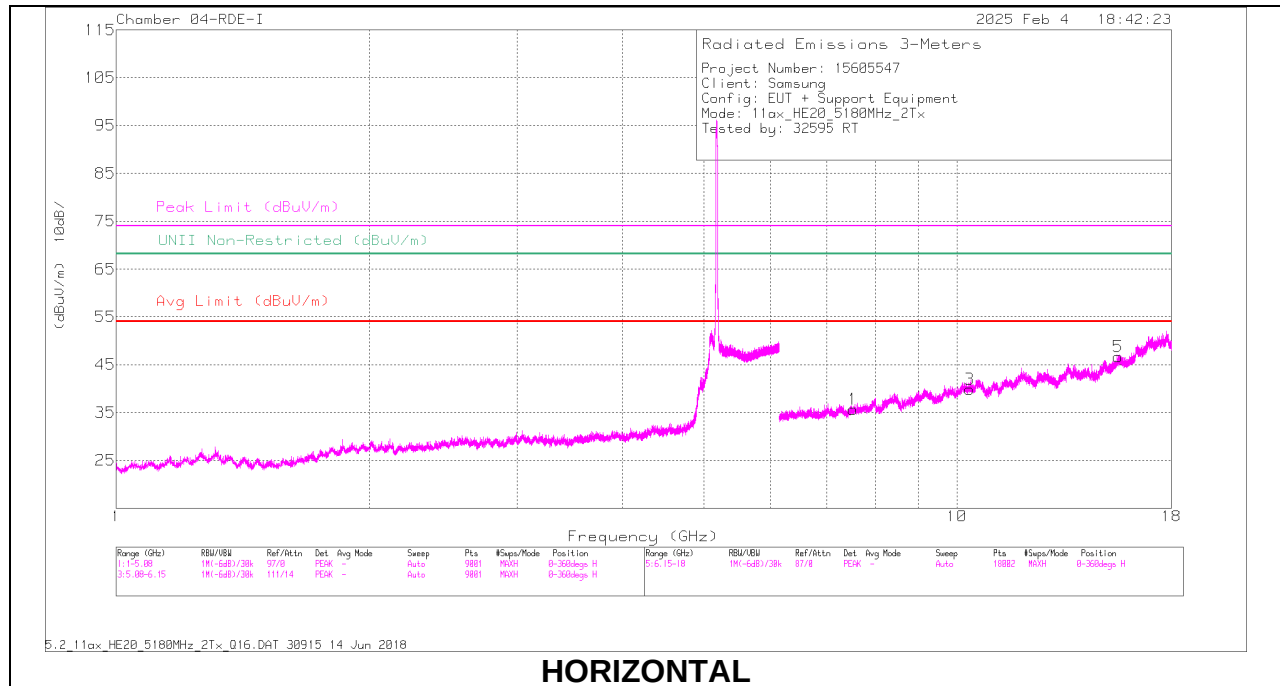
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW



Radiated Emissions

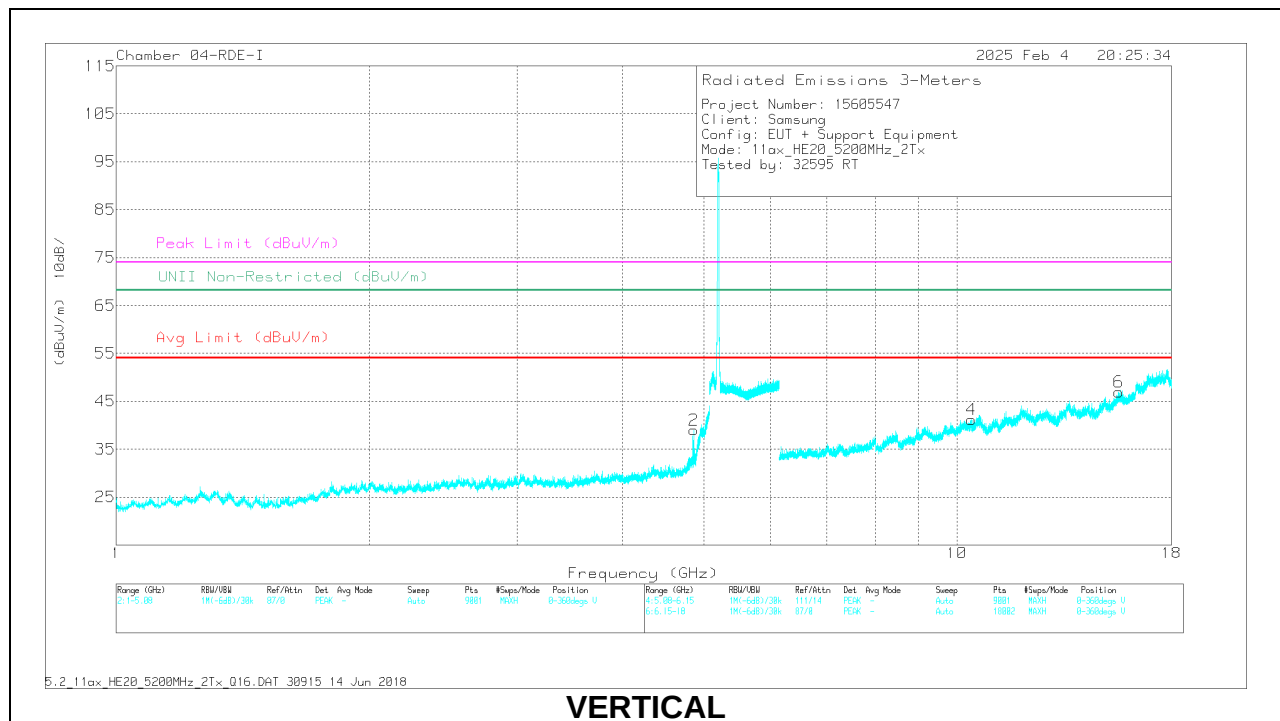
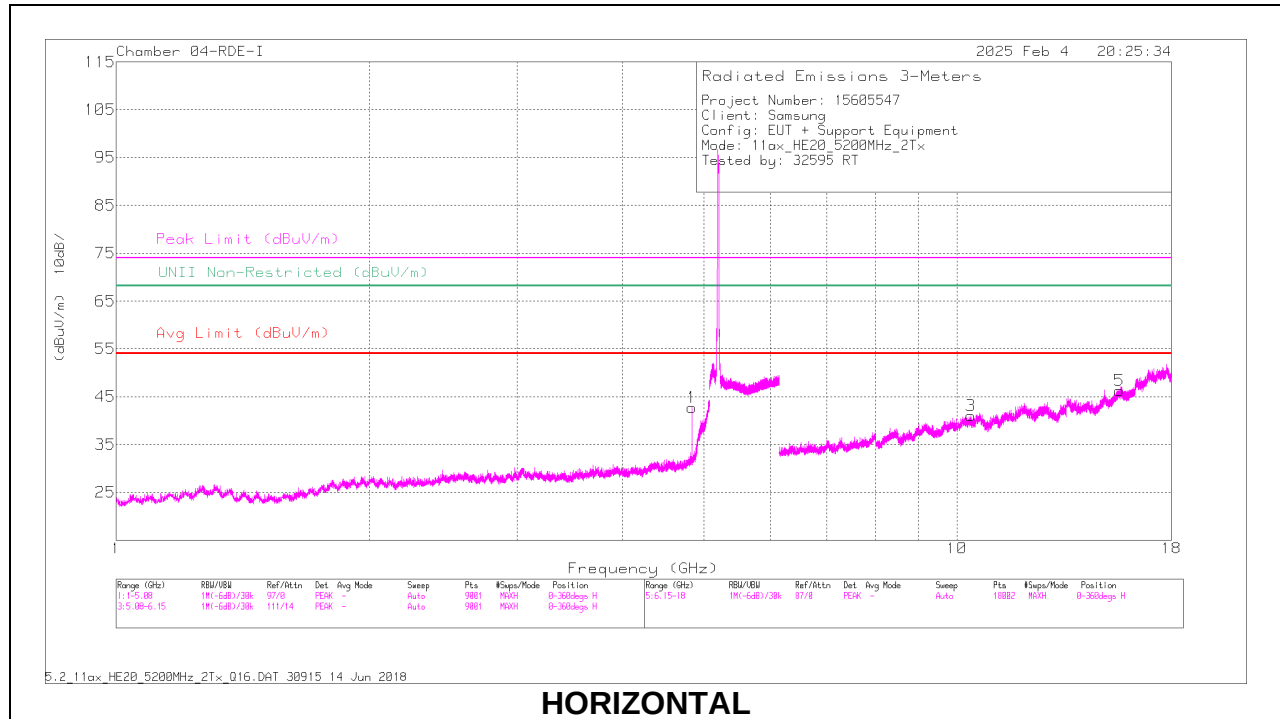
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7.520764	28.76	PK-U	35.6	-19.4	0	44.96	-	-	74	-29.04	-	-	106	202	H
	* 7.520816	17.2	ADR	35.6	-19.4	.72	34.12	54	-19.88	-	-	-	-	106	202	H
5	* 15.557798	30.55	PK-U	40.5	-14.8	0	56.25	-	-	74	-17.75	-	-	84	327	H
	* 15.55615	19.18	ADR	40.5	-14.8	.72	45.6	54	-8.4	-	-	-	-	84	327	H
2	* 7.528734	29.28	PK-U	35.6	-19.4	0	45.48	-	-	74	-28.52	-	-	85	200	V
	* 7.526287	17.41	ADR	35.6	-19.4	.72	34.33	54	-19.67	-	-	-	-	85	200	V
6	* 15.523096	29.81	PK-U	40.5	-15.1	0	55.21	-	-	74	-18.79	-	-	0	374	V
	* 15.522336	18.78	ADR	40.5	-15	.72	45	54	-9	-	-	-	-	0	374	V
3	10.351342	29.39	PK-U	37.4	-17.1	0	49.69	-	-	-	-	68.2	-18.51	20	270	H
4	10.360167	29.58	PK-U	37.4	-17	0	49.98	-	-	-	-	68.2	-18.22	272	289	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



Radiated Emissions

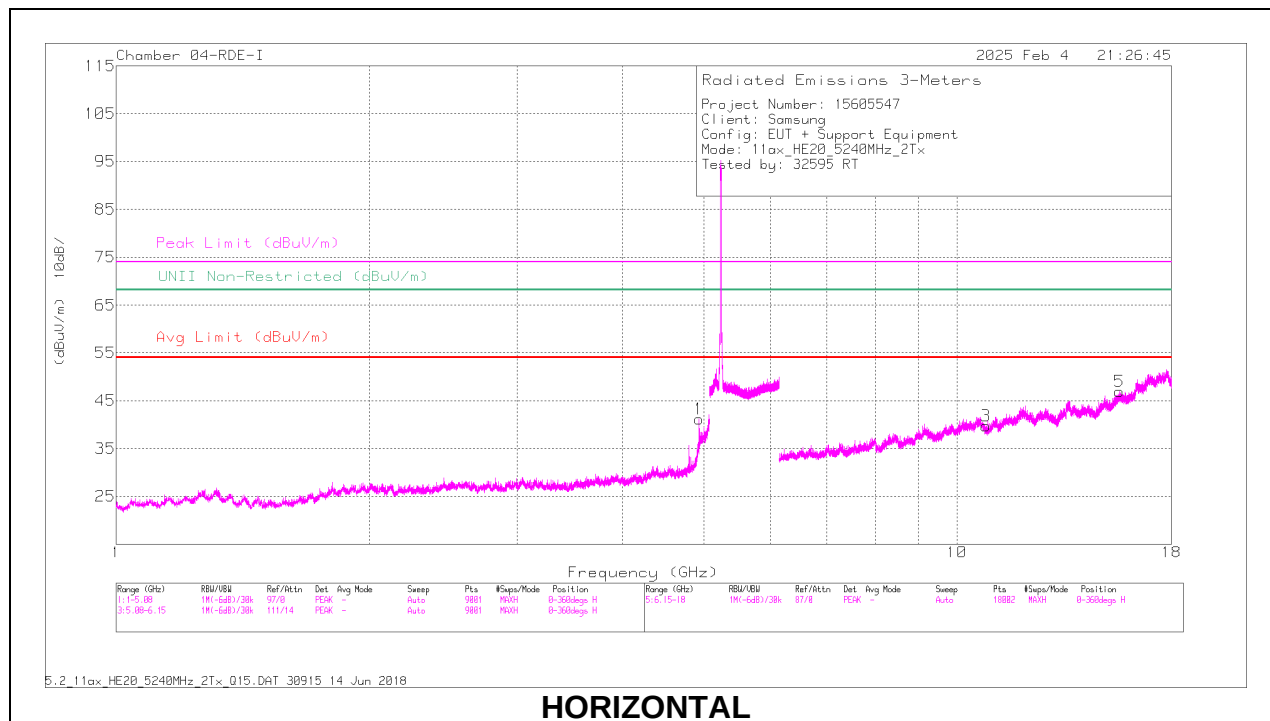
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.83902	38.12	PK-U	34	-26	0	46.12	-	-	74	-27.88	-	-	17	173	H
	* 4.840919	21.48	ADR	34	-26	.72	30.2	54	-23.8	-	-	-	-	17	173	H
2	* 4.870188	40.66	PK-U	34	-26.1	0	48.56	-	-	74	-25.44	-	-	20	255	V
	* 4.870467	23.58	ADR	34	-26.1	.72	32.2	54	-21.8	-	-	-	-	20	255	V
5	* 15.602793	30.58	PK-U	40.6	-14.9	0	56.28	-	-	74	-17.72	-	-	20	308	H
	* 15.60382	19.1	ADR	40.6	-14.9	.72	45.52	54	-8.48	-	-	-	-	20	308	H
6	* 15.582995	30.82	PK-U	40.6	-15	0	56.42	-	-	74	-17.58	-	-	256	284	V
	* 15.582861	19.15	ADR	40.6	-15	.72	45.47	54	-8.53	-	-	-	-	256	284	V
3	10.386203	29.22	PK-U	37.5	-16.5	0	50.22	-	-	-	-	68.2	-17.98	196	160	H
4	10.409297	29.75	PK-U	37.5	-17.3	0	49.95	-	-	-	-	68.2	-18.25	118	306	V

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

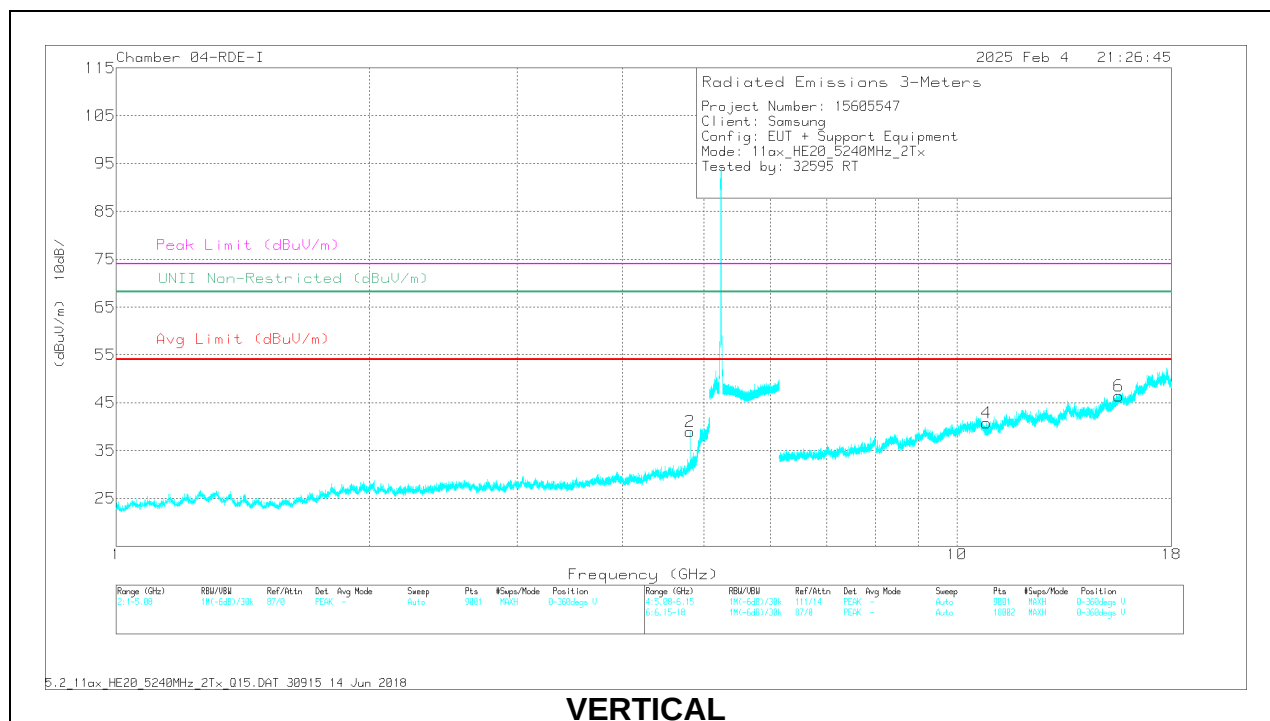
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH



HORIZONTAL



VERTICAL

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (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	* 4.936806	45.87	PK-U	34.1	-25	0	54.97	-	-	74	-19.03	-	-	37	113	H
	* 4.936211	25.38	ADR	34.1	-25	.72	35.2	54	-18.8	-	-	-	-	37	113	H
2	* 4.818868	39.38	PK-U	34.1	-25.8	0	47.68	-	-	74	-26.32	-	-	32	240	V
	* 4.818944	23.09	ADR	34.1	-25.8	.72	32.11	54	-21.89	-	-	-	-	32	240	V
3	* 10.82177	28.74	PK-U	37.5	-16.6	0	49.64	-	-	74	-24.36	-	-	150	300	H
	* 10.820499	17.2	ADR	37.5	-16.7	.72	38.72	54	-15.28	-	-	-	-	150	300	H
5	* 15.601588	30.96	PK-U	40.6	-14.9	0	56.66	-	-	74	-17.34	-	-	261	304	H
	* 15.601023	19.19	ADR	40.6	-15	.72	45.51	54	-8.49	-	-	-	-	261	304	H
4	* 10.841564	28.49	PK-U	37.5	-16.7	0	49.29	-	-	74	-24.71	-	-	50	324	V
	* 10.841505	17.33	ADR	37.5	-16.7	.72	38.85	54	-15.15	-	-	-	-	50	324	V
6	* 15.573703	30.27	PK-U	40.6	-15	0	55.87	-	-	74	-18.13	-	-	100	290	V
	* 15.57399	19.23	ADR	40.6	-15	.72	45.55	54	-8.45	-	-	-	-	100	290	V

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

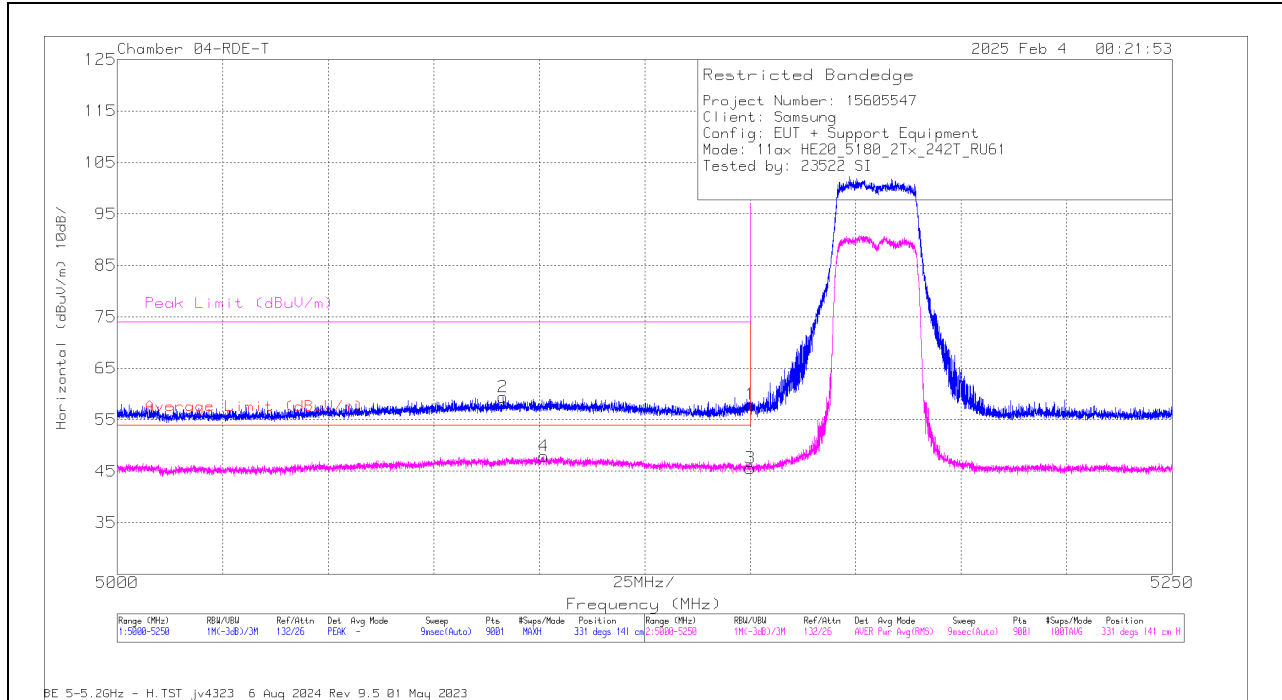
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Antenna 1 + Antenna 2 OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

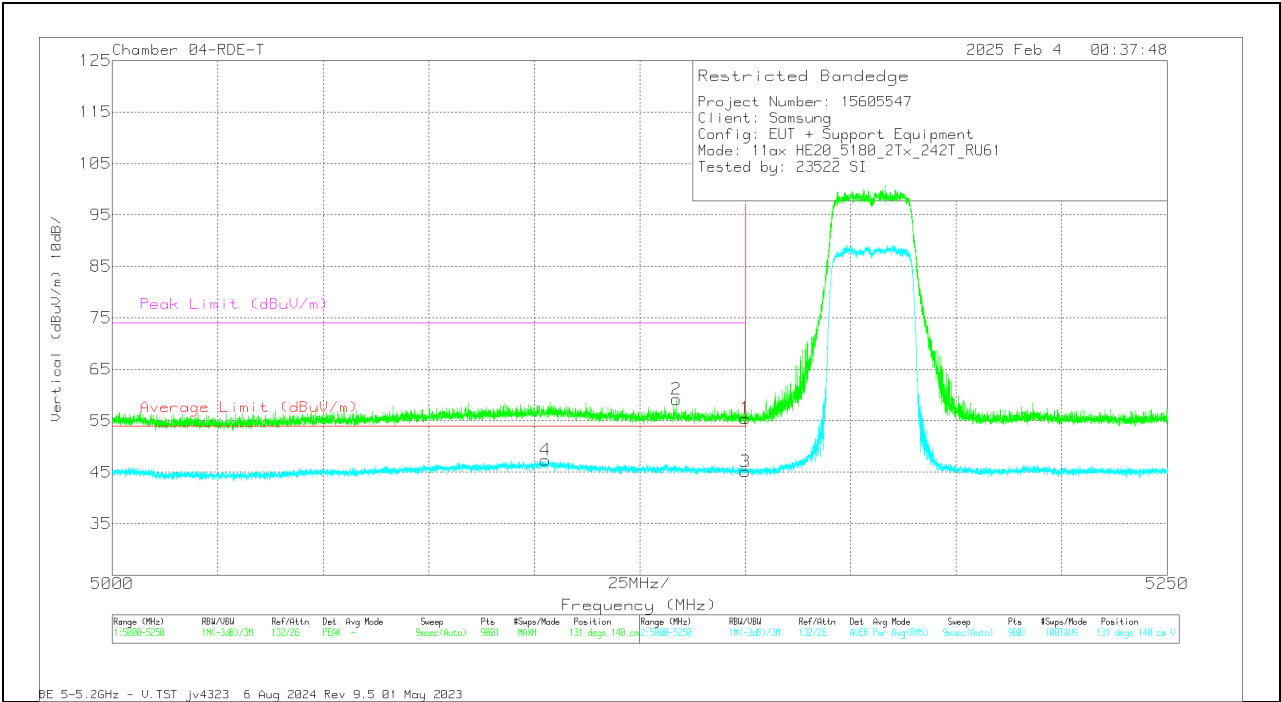
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.15	Pk	34.3	0	-36.52	57.93	-	-	74	-16.07	331	141	H
2	* 5091.362	61.78	Pk	34.4	0	-36.77	59.41	-	-	74	-14.59	331	141	H
3	* 5150	47.14	RMS	34.3	.67	-36.52	45.59	54	-8.41	-	-	331	141	H
4	* 5101.029	49.6	RMS	34.4	.67	-36.76	47.91	54	-6.09	-	-	331	141	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

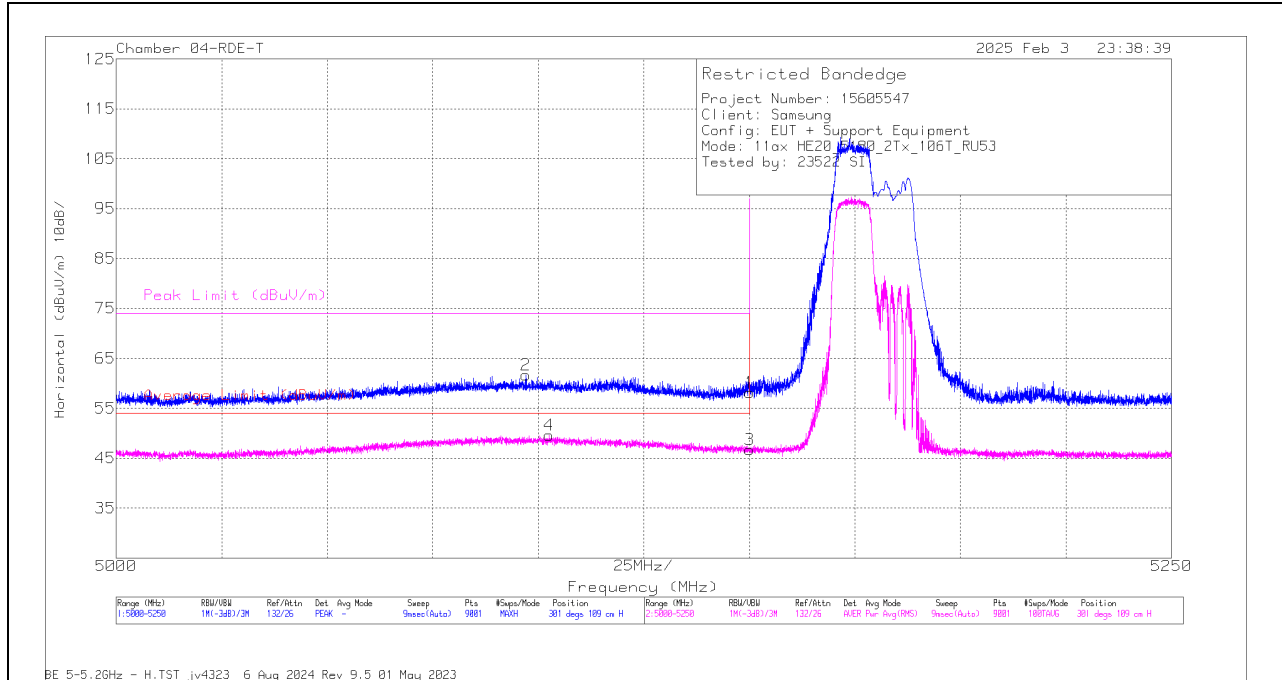
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	57.68	Pk	34.3	0	-36.52	55.46	-	-	74	-18.54	131	140	V
2	* 5133.723	61.46	Pk	34.3	0	-36.6	59.16	-	-	74	-14.84	131	140	V
3	* 5150	46.69	RMS	34.3	.67	-36.52	45.14	54	-8.86	-	-	131	140	V
4	* 5102.64	49	RMS	34.4	.67	-36.7	47.37	54	-6.63	-	-	131	140	V

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

2TX Antenna 1 + Antenna 2 OFDMA MODE: 106-Tones, RU Index 53

BANDEGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

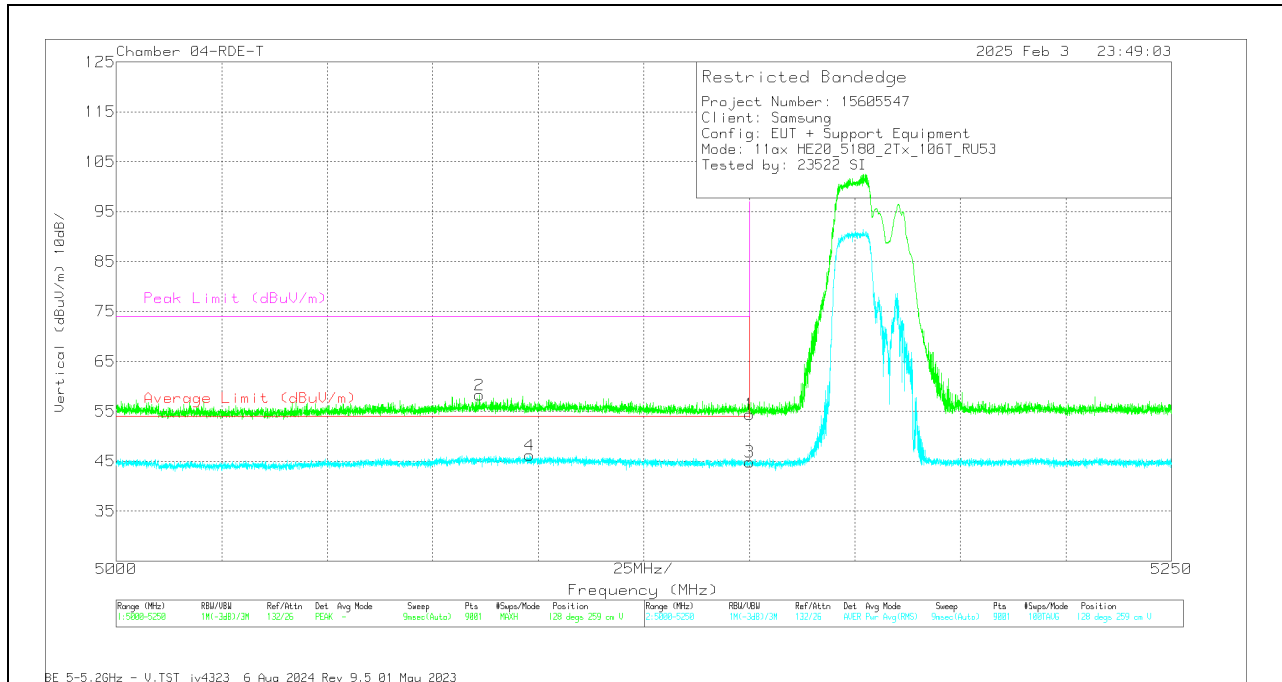
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.36	Pk	34.3	0	-36.52	58.14	-	-	74	-15.86	301	109	H
2	* 5097.112	64.13	Pk	34.4	0	-36.86	61.67	-	-	74	-12.33	301	109	H
3	* 5150	48.83	RMS	34.3	.33	-36.52	46.94	54	-7.06	-	-	301	109	H
4	* 5102.584	51.81	RMS	34.4	.33	-36.7	49.84	54	-4.16	-	-	301	109	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	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	56.65	Pk	34.3	0	-36.52	54.43	-	-	74	-19.57	128	259	V
2	* 5086.028	60.67	Pk	34.4	0	-36.84	58.23	-	-	74	-15.77	128	259	V
3	* 5150	46.75	RMS	34.3	.33	-36.52	44.86	54	-9.14	-	-	128	259	V
4	* 5097.973	48.27	RMS	34.4	.33	-36.83	46.17	54	-7.83	-	-	128	259	V

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

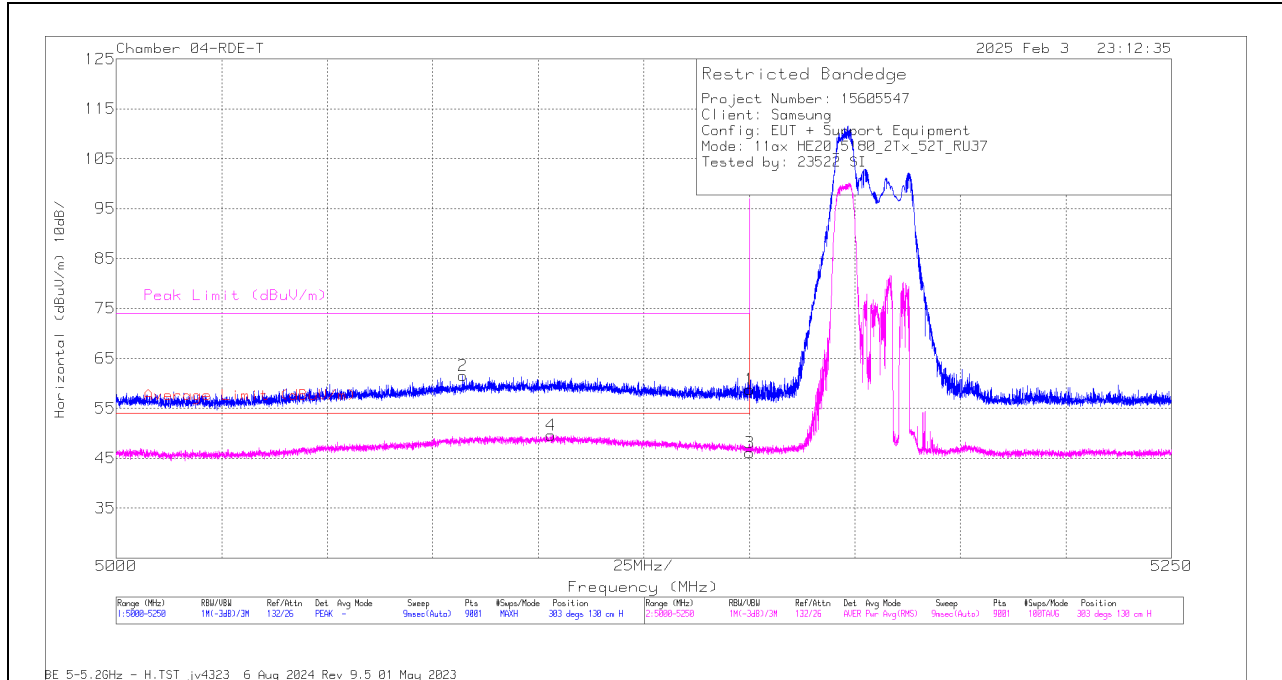
Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE: 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

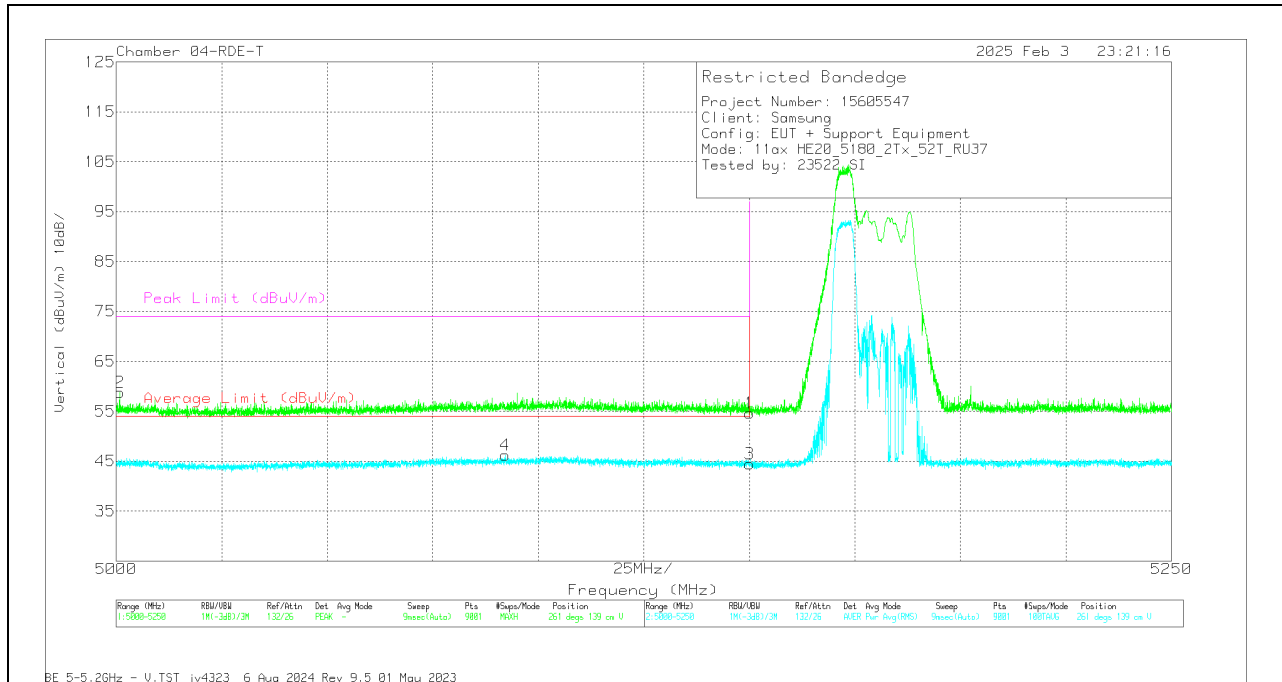
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.97	Pk	34.3	0	-36.52	58.75	-	-	74	-15.25	303	130	H
2	* 5082.14	63.99	Pk	34.4	0	-36.83	61.56	-	-	74	-12.44	303	130	H
3	* 5150	48.21	RMS	34.3	.21	-36.52	46.2	54	-7.8	-	-	303	130	H
4	* 5102.945	51.84	RMS	34.4	.21	-36.71	49.74	54	-4.26	-	-	303	130	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	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	56.9	Pk	34.3	0	-36.52	54.68	-	-	74	-19.32	261	139	V
2	* 5000.806	61.23	Pk	34.4	0	-36.89	58.74	-	-	74	-15.26	261	139	V
3	* 5150	46.54	RMS	34.3	.21	-36.52	44.53	54	-9.47	-	-	261	139	V
4	* 5092.195	48.44	RMS	34.4	.21	-36.72	46.33	54	-7.67	-	-	261	139	V

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

Pk - Peak detector

RMS - RMS detection