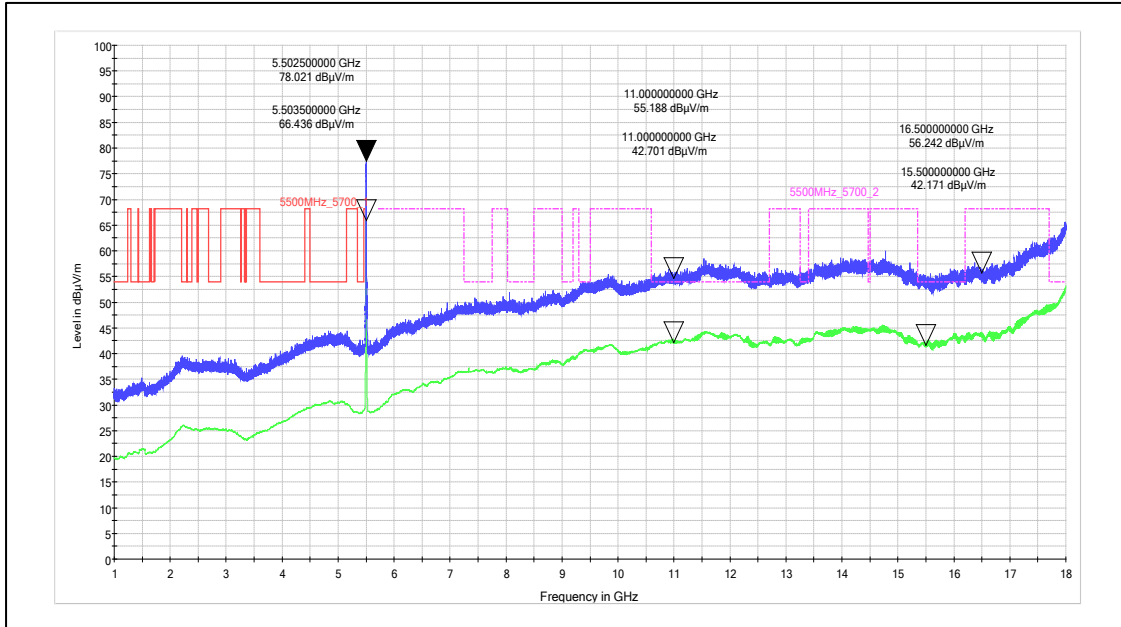


**Worst case emissions for Spurious radiated emissions above 1GHz**

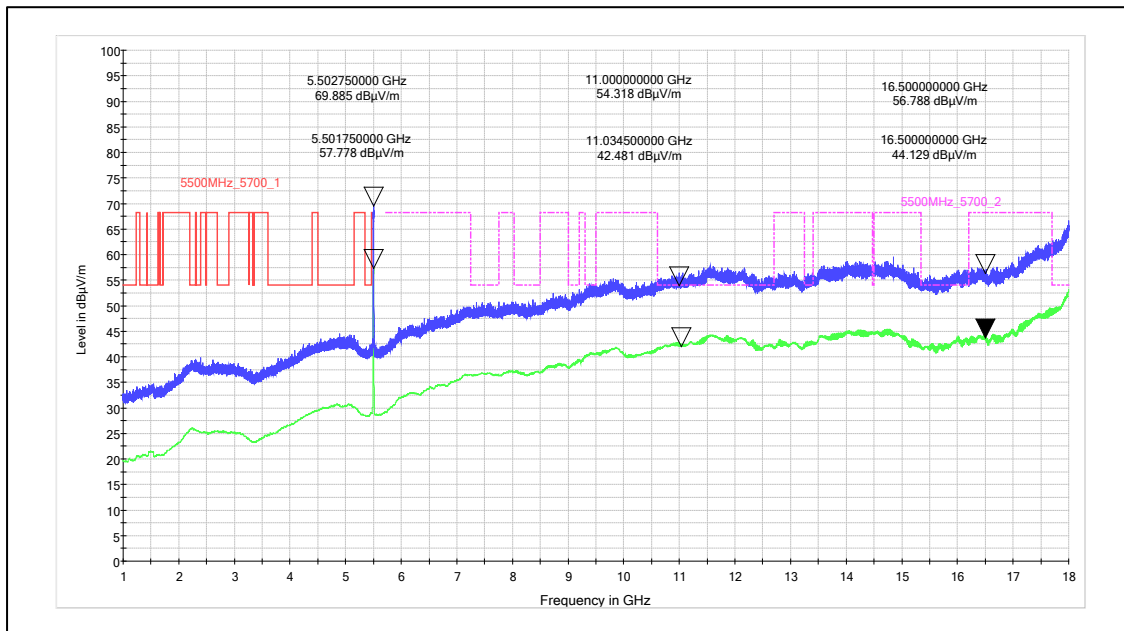
Data rate: MCS0

Channel Frequency: 5500MHz



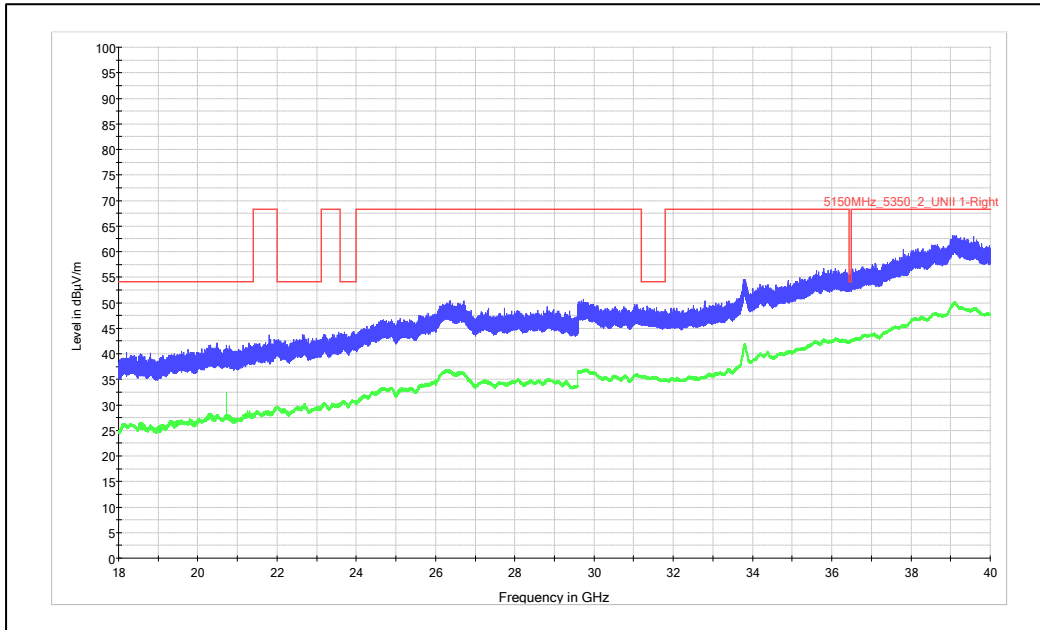
Frequency Range: 1 to 18GHz

Polarization: Vertical



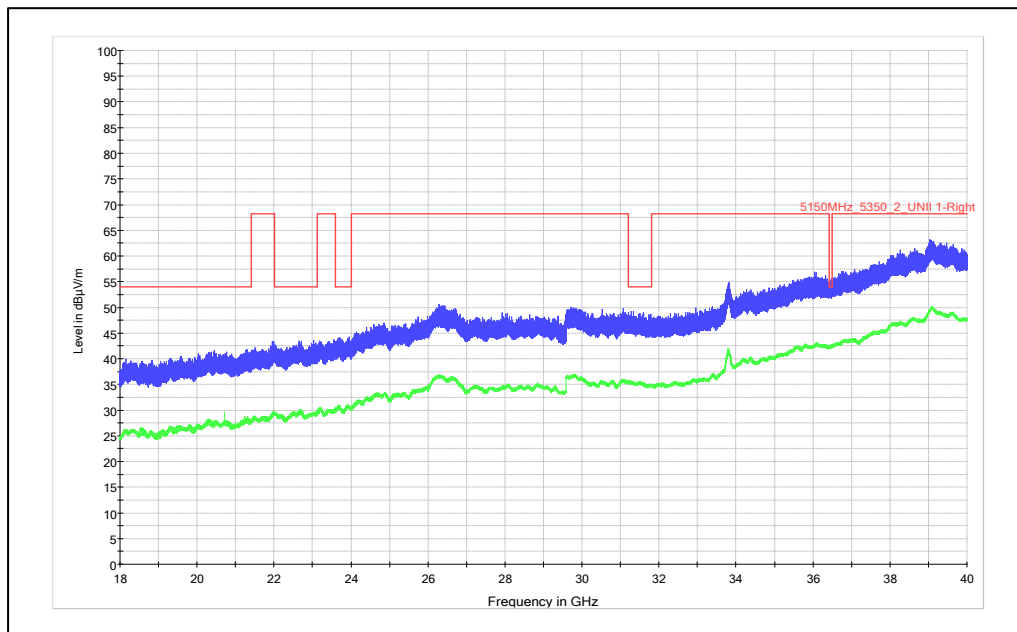
Frequency Range: 1 to 18GHz

Polarization: Horizontal



Frequency Range: 18 to 40GHz

Polarization: Vertical



Frequency Range: 18 to 40GHz

Polarization: Horizontal

**Prüfbericht - Nr.:**  
Test Report No.:

**ULR-TC56882030000039F**

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**Modulation:** 802.11ac-40MHz  
**Data rate:** MCS0

Frequency Band	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII-1	5190	5190 (Pk)	Vertical	100.33	-	-
		5190 (Av)		88.34	-	-
		5150 (Pk)		67.01	74*	-6.99
		5150 (Av)		53.65	54*	-0.35
		10380 (Pk)		53.03	68.23	-15.20
		10380 (Av)		40.8	54	-13.20
		15570 (Pk)		53.66	68.23	-14.57
		15570 (Av)		41.64	54	-12.36
		5190 (Pk)	Horizontal	99.21	-	-
		5190 (Av)		86.25	-	-
		5150 (Pk)		63.36	74*	-10.64
		5150 (Av)		49.02	54*	-4.98
		10380 (Pk)		54.14	68.23	-14.09
		10380 (Av)		40.83	54	-13.17
		15570 (Pk)		53.64	68.23	-14.59
		15570 (Av)		41.65	54	-12.35
	5230	Vertical	5230 (Pk)	101.85	-	-
			5230 (Av)	89.15	-	-
			5150 (Pk)	56.67	74*	-17.33
			5150 (Av)	39.63	54*	-14.37
			10460 (Pk)	53.21	68.23	-15.02
			10460 (Av)	41.15	54	-12.85
			15690 (Pk)	55.75	68.23	-12.48
			15690 (Av)	43.27	54	-10.73
		Horizontal	5230 (Pk)	98.44	-	-
			5230 (Av)	85.07	-	-
			5150 (Pk)	52.27	74*	-21.73
			5150 (Av)	35.93	54*	-18.07
			10460 (Pk)	53.07	68.23	-15.16
			10460 (Av)	41.04	54	-12.96
			15690 (Pk)	53.74	68.23	-14.49
			15690 (Av)	41.94	54	-12.06

Frequency Band	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII-2a	5270	5270 (Pk)		102.33	-	-
		5270 (Av)		89.04	-	-
		5350 (Pk)		58.37	74*	-15.63
		5350 (Av)		39.16	54*	-14.84
		10540 (Pk)		53.41	68.23	-14.82
		10540 (Av)		41.26	54	-12.74
		15810 (Pk)		54.51	68.23	-13.72
		15810 (Av)		42.12	54	-11.88
		5270 (Pk)		97.94	-	-
		5270 (Av)		84.62	-	-
		5350 (Pk)		50.83	74*	-23.17
		5350 (Av)		32.74	54*	-21.26
		10540 (Pk)		52.94	68.23	-15.29
		10540 (Av)		41.20	54	-12.80
		15810 (Pk)		54.21	68.23	-14.02
		15810 (Av)		42.13	54	-11.87
	5310	<b>5310 (Pk)</b>	<b>102.19</b>	-	-	
		<b>5310 (Av)</b>	<b>90.11</b>	-	-	
		<b>5350 (Pk)</b>	<b>67.07</b>	<b>74*</b>	<b>-6.93</b>	
		<b>5350 (Av)</b>	<b>52.26</b>	<b>54*</b>	<b>-1.74</b>	
		<b>10700 (Pk)</b>	<b>53.67</b>	<b>68.23</b>	<b>-14.56</b>	
		<b>10700 (Av)</b>	<b>41.86</b>	<b>54</b>	<b>-12.14</b>	
		<b>16540 (Pk)</b>	<b>54.79</b>	<b>68.23</b>	<b>-13.44</b>	
		<b>15810 (Av)</b>	<b>42.76</b>	<b>54</b>	<b>-11.24</b>	
		5270 (Pk)	98.57	-	-	
		5270 (Av)	85.41	-	-	
		5350 (Pk)	60.67	74*	-13.33	
		5350 (Av)	46.03	54*	-7.97	
		10540 (Pk)	53.27	68.23	-14.96	
		10540 (Av)	41.79	54	-12.21	
		15810 (Pk)	55.39	68.23	-12.84	
		15810 (Av)	42.77	54	-11.23	
UNII-3	5755	5755 (Pk)	Vertical	101.35	-	-
		5755 (Av)		89.29	-	-
		11510 (Pk)		56.58	68.23	-11.65
		11510 (Av)		44.15	54	-9.85
		17265 (Pk)		59.34	68.23	-8.89
		17265 (Av)		47.00	54	-7.00
		5755 (Pk)	Horizontal	100.25	-	-
		5755 (Av)		86.77	-	-
		11510 (Pk)		56.60	68.23	-11.63
		11510 (Av)		44.21	54	-9.79
		17265 (Pk)		59.67	68.23	-8.56
		17265 (Av)		47.00	54	-7.00

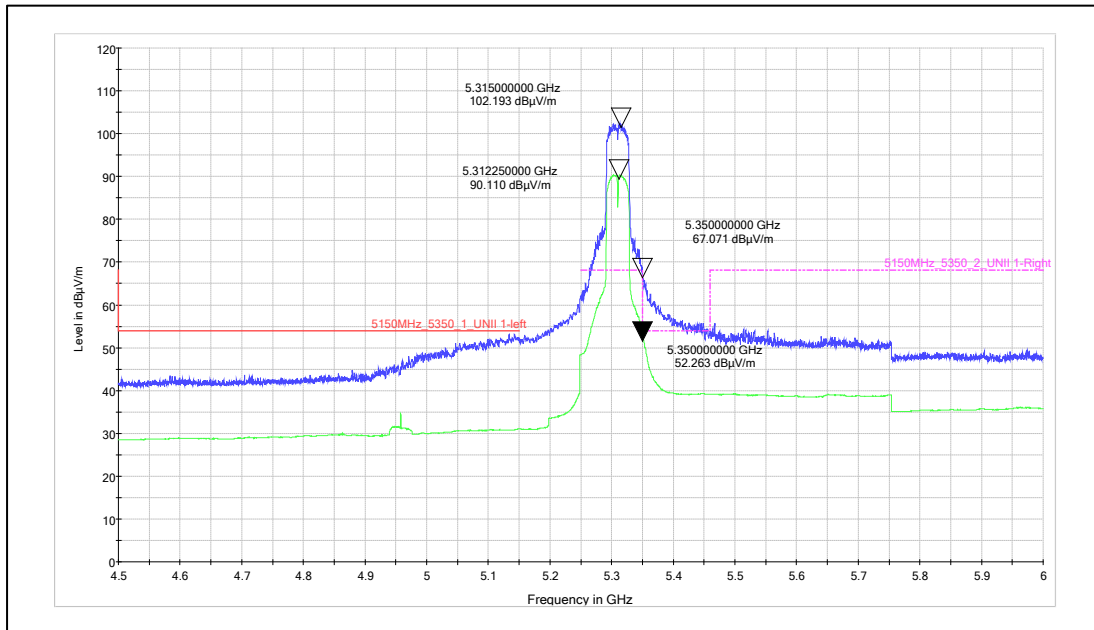
Frequency Band	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII-3	5795	5795 (Pk)	Vertical	98.23	-	-
		5795 (Av)		87.21	-	-
		11590 (Pk)		56.77	68.23	-11.46
		11590 (Av)		44.81	54	-9.19
		17385 (Pk)		58.72	68.23	-9.51
		17385 (Av)		46.95	54	-7.05
		5795 (Pk)	Horizontal	91.67	-	-
		5795 (Av)		80.35	-	-
		11590 (Pk)		56.72	68.23	-11.51
		11590 (Av)		44.08	54	-9.92
		17385 (Pk)		60.49	68.23	-7.74
		17385 (Av)		47.29	54	-6.71

**Note:**

\* :- Indicate restricted band frequency in 15.205

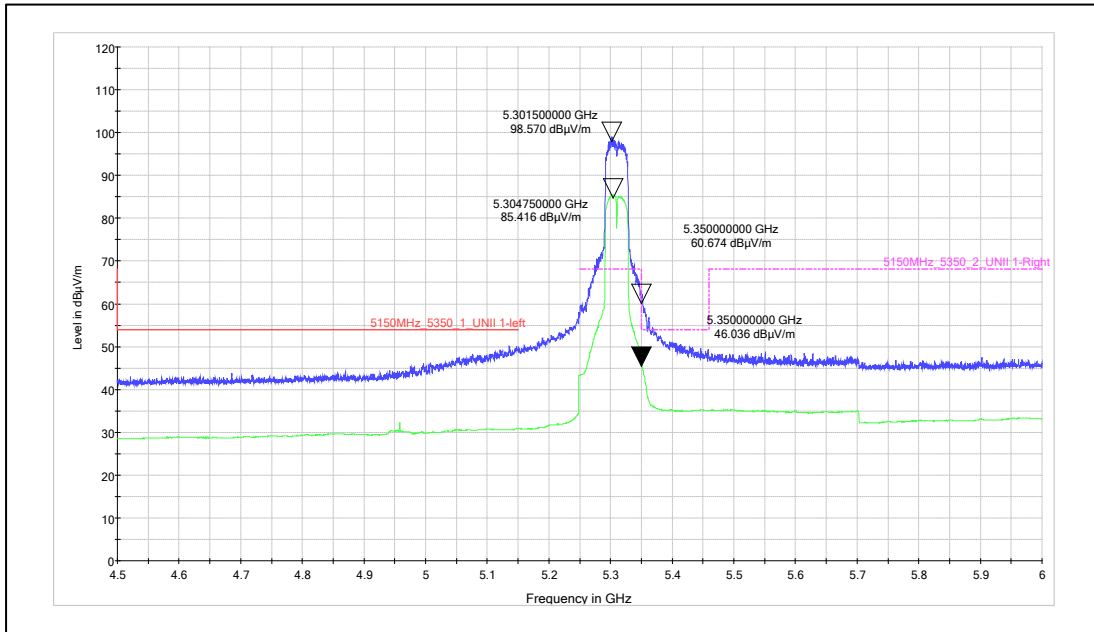
Pk: Peak Detector; Av: Average Detector

**Worst case emissions for restricted band of operation**



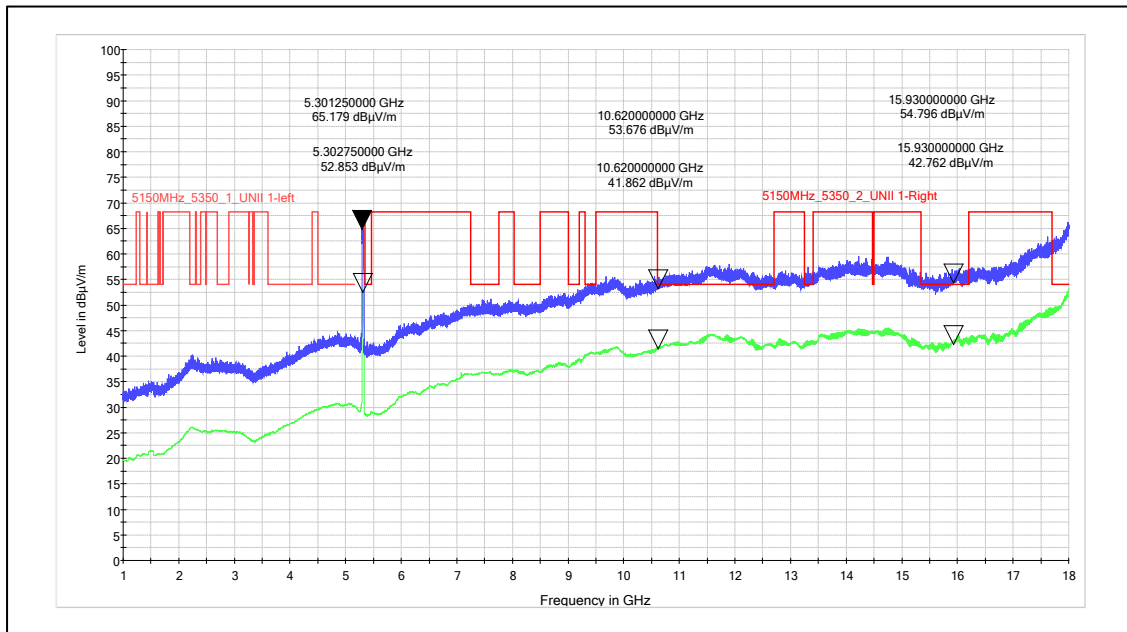
Channel Frequency: 5310MHz

Polarization: Vertical



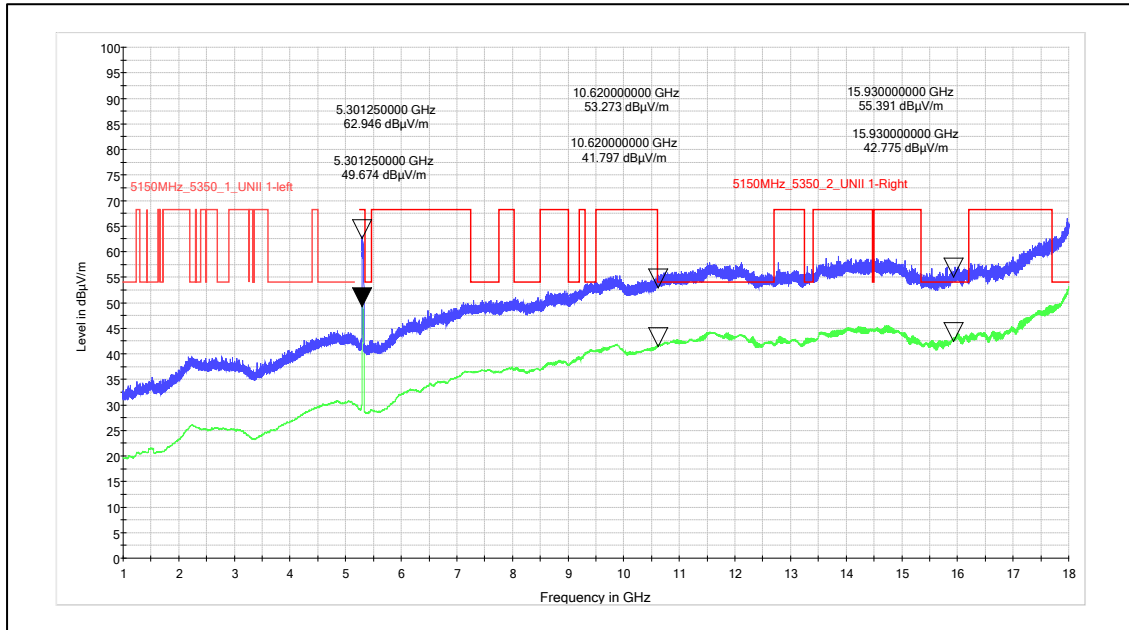
Channel Frequency: 5310MHz

Polarization: Horizontal



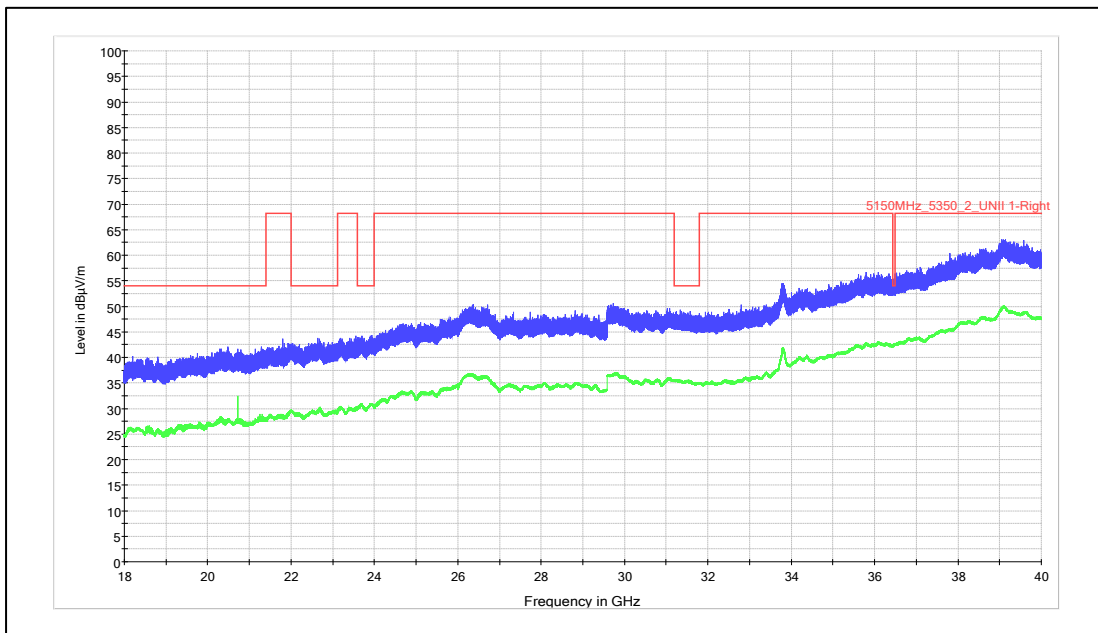
Channel Frequency: 1GHz-18GHz

Polarization: Vertical



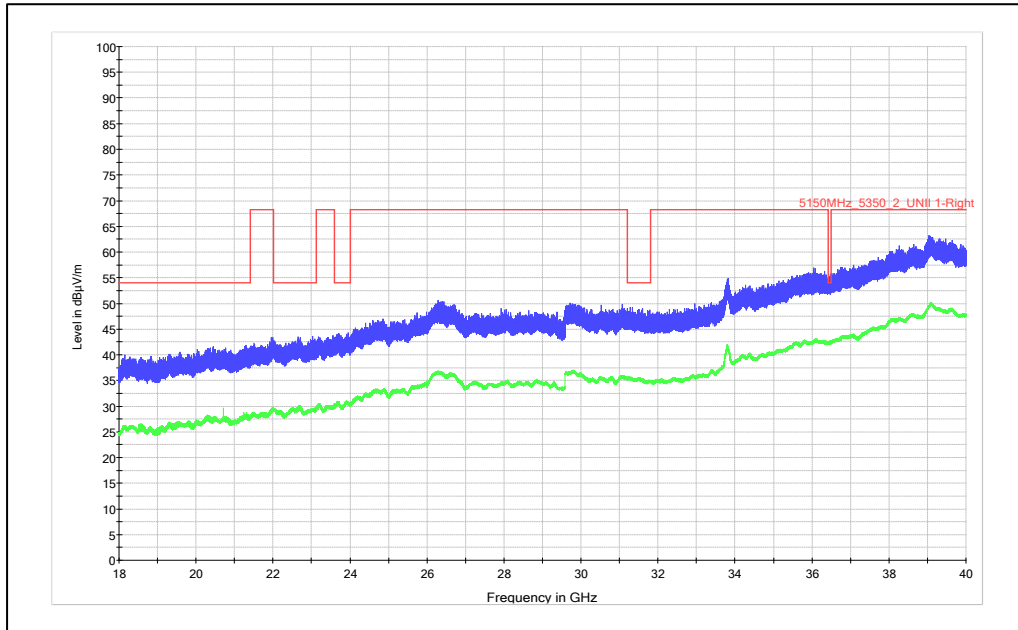
Channel Frequency: 1GHz-18GHz

Polarization: Horizontal



Channel Frequency: 18GHz-40GHz

Polarization: Vertical



Channel Frequency: 18GHz-40GHz

Polarization: Horizontal



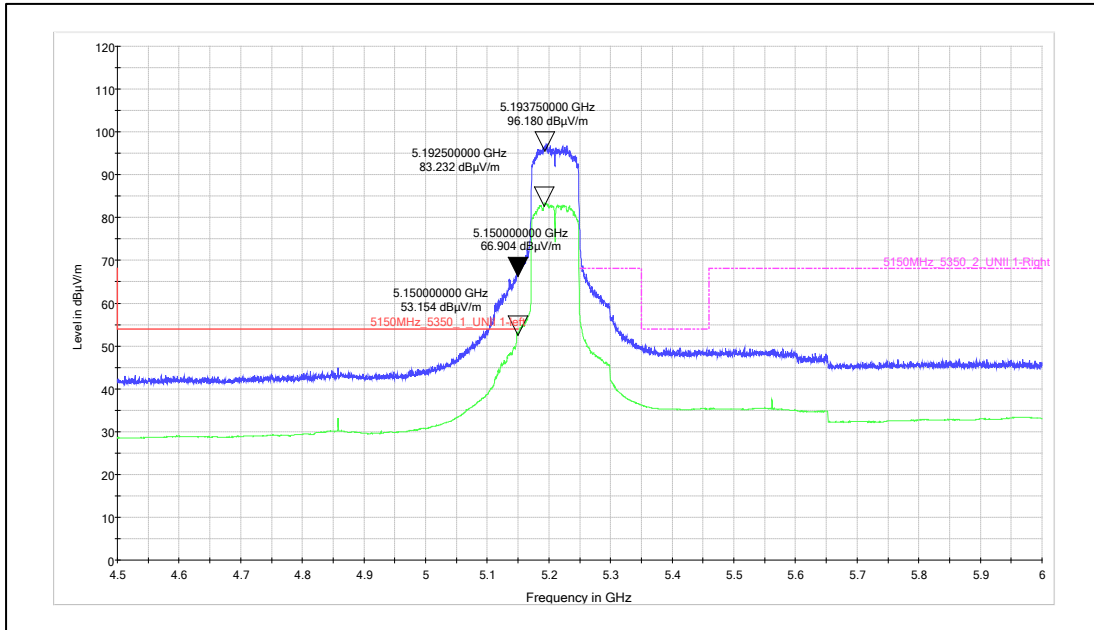
Modulation: 802.11ac-80MHz  
Data rate: MCS0

Frequency Band	Channel Frequency (MHz)	Frequency (MHz)	Polarization	Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
UNII-1	5210	5210 (Pk)	Vertical	96.18	-	-
		5210 (Av)		83.23	-	-
		5150 (Pk)		66.90	74*	-7.10
		5150 (Av)		53.15	54*	-0.85
		10420 (Pk)		53.18	68.23	-15.05
		10420 (Av)		40.90	54	-13.10
		15630 (Pk)		54.71	68.23	-13.52
		15630 (Av)		41.29	54	-12.71
		5210 (Pk)	Horizontal	93.54	-	-
		5210 (Av)		80.36	-	-
		5150 (Pk)		61.20	74*	-12.80
		5150 (Av)		47.36	54*	-6.64
		10420 (Pk)		54.02	68.23	-14.21
		10420 (Av)		40.95	54	-13.05
		15630 (Pk)		53.35	68.23	-14.88
		15630 (Av)		41.31	54	-12.69
UNII-2a	5290	5290 (Pk)	Vertical	96.68	-	-
		5290 (Av)		83.42	-	-
		5350 (Pk)		66.40	74*	-7.60
		5350 (Av)		50.06	54*	-3.94
		10580 (Pk)		53.55	68.23	-14.68
		10580 (Av)		41.49	54	-12.51
		15870 (Pk)		55.68	68.23	-12.55
		15870 (Av)		42.22	54	-11.78
		5290 (Pk)	Horizontal	93.70	-	-
		5290 (Av)		80.13	-	-
		5350 (Pk)		58.43	74*	-15.57
		5350 (Av)		43.56	54*	-10.44
		10580 (Pk)		53.33	68.23	-14.90
		10580 (Av)		41.50	54	-12.50
		15870 (Pk)		54.88	68.23	-13.35
		15870 (Av)		42.25	54	-11.75
UNII-3	5775	5775 (Pk)	Vertical	95.39	-	-
		5775 (Av)		75.25	-	-
		11550 (Pk)		56.50	68.23	-11.73
		11550 (Pk)		44.21	54	-9.79
		17325 (Pk)		59.48	68.23	-8.75
		17325 (Av)		46.83	54	-7.17
		5775 (Pk)	Horizontal	87.29	-	-
		5775 (Av)		66.84	-	-
		11550 (Pk)		56.60	68.23	-11.63
		11550 (Pk)		44.15	54	-9.85
		17325 (Pk)		58.41	68.23	-9.82
		17325 (Av)		46.77	54	-7.23

**Note:**

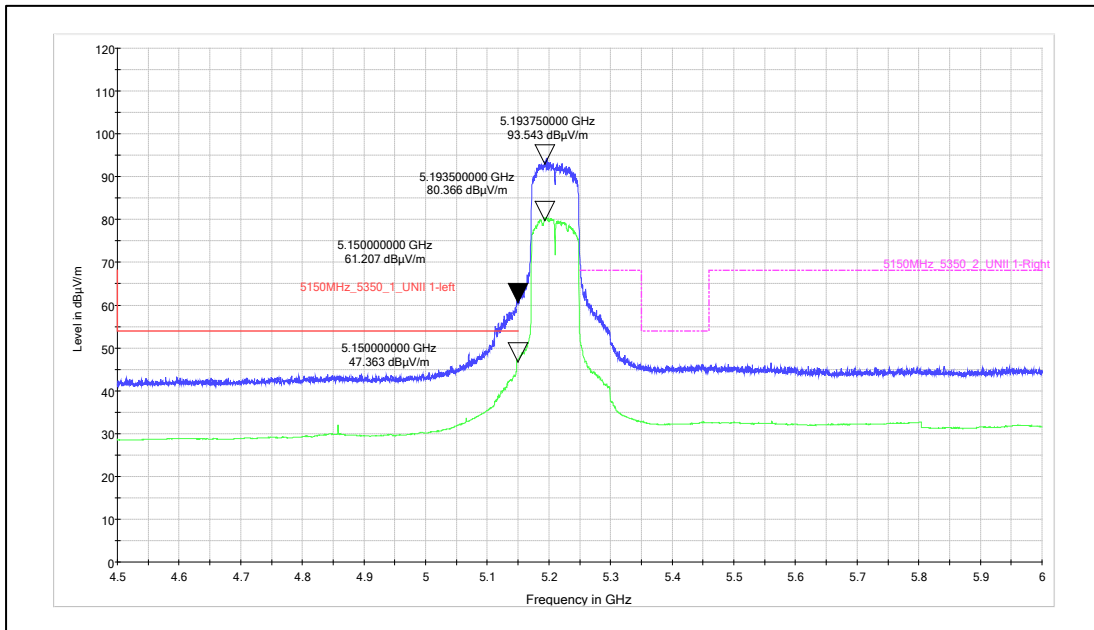
\* :- Indicate restricted band frequency in 15.205  
Pk: Peak Detector; Av: Average Detector

Worst case emissions for restricted band of operation



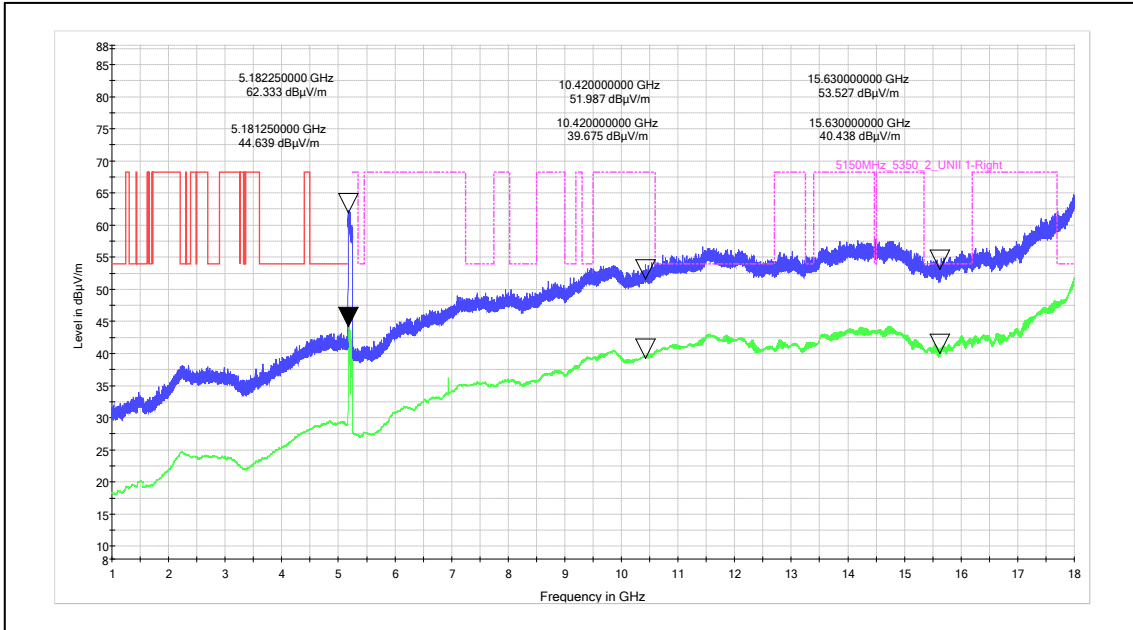
Channel Frequency: 5210MHz

Polarization: Vertical



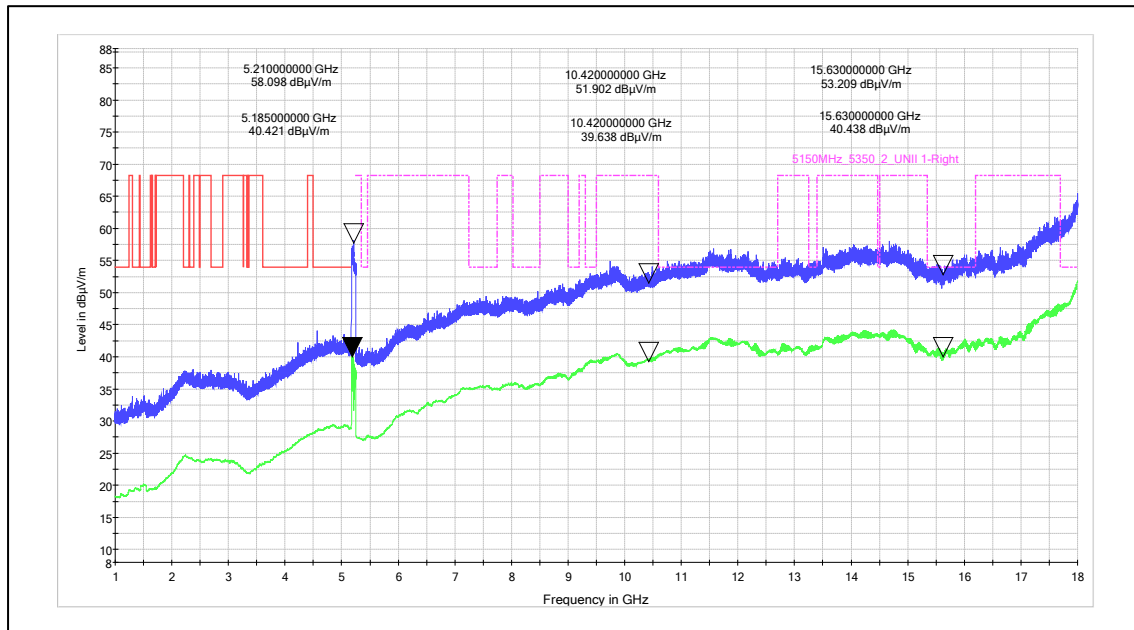
Channel Frequency: 5210MHz

Polarization: Horizontal



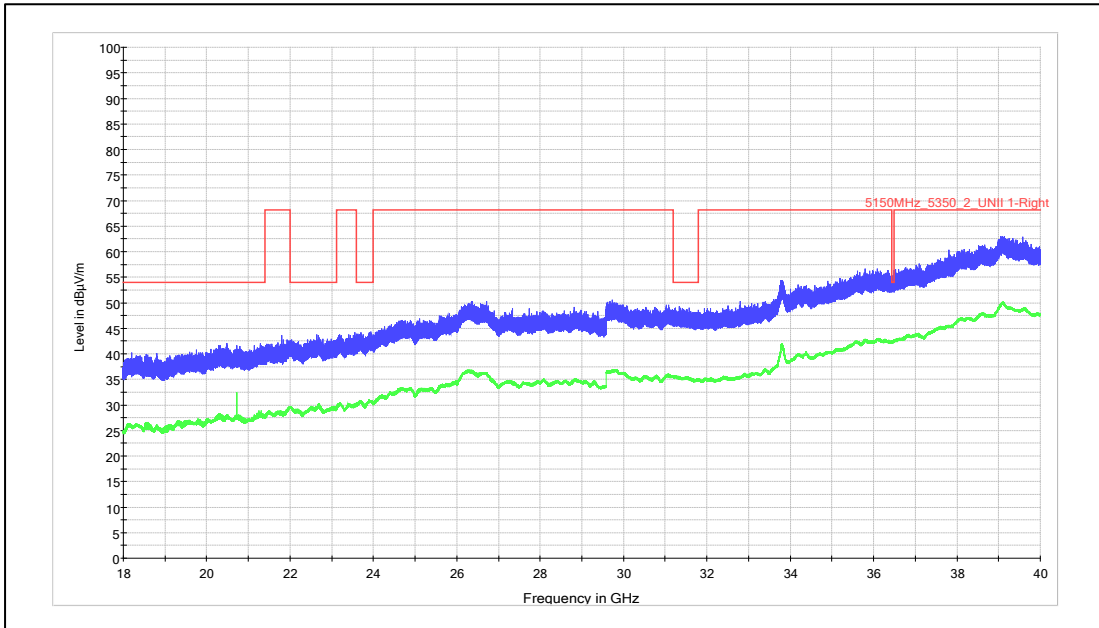
Channel Frequency: 5210MHz

Polarization: Vertical



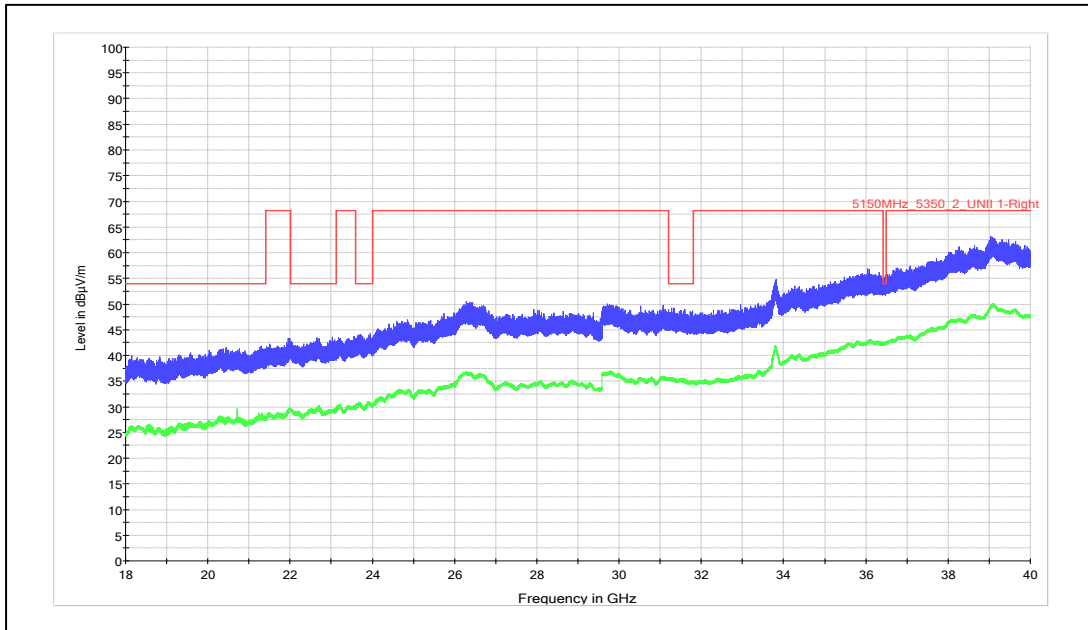
Channel Frequency: 5210MHz

Polarization: Horizontal



Channel Frequency: 18GHz-40GHz

Polarization: Vertical



Channel Frequency: 18GHz-40GHz

Polarization: Horizontal

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**\*\*\*END OF TEST REPORT\*\*\***