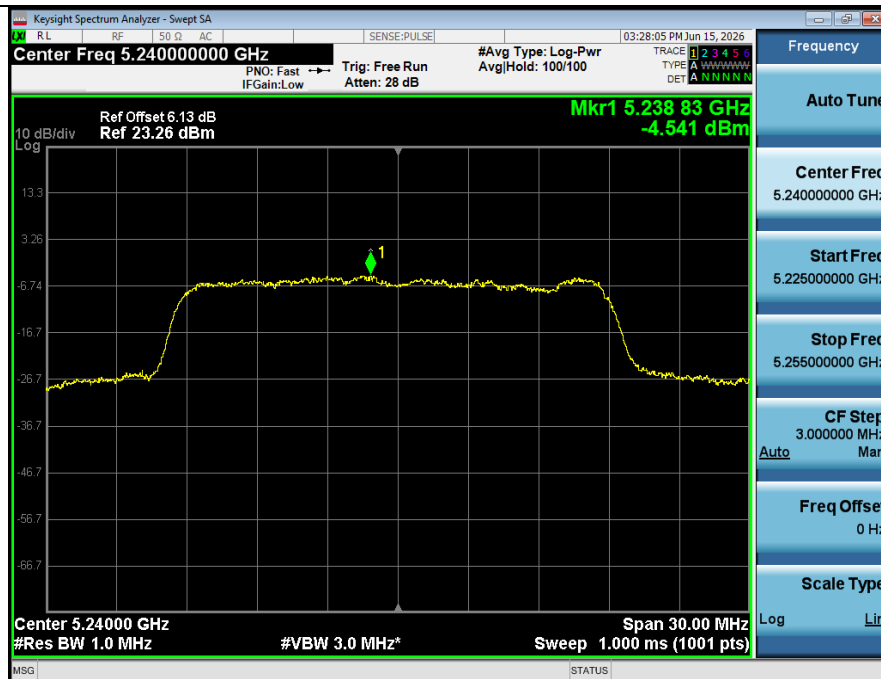
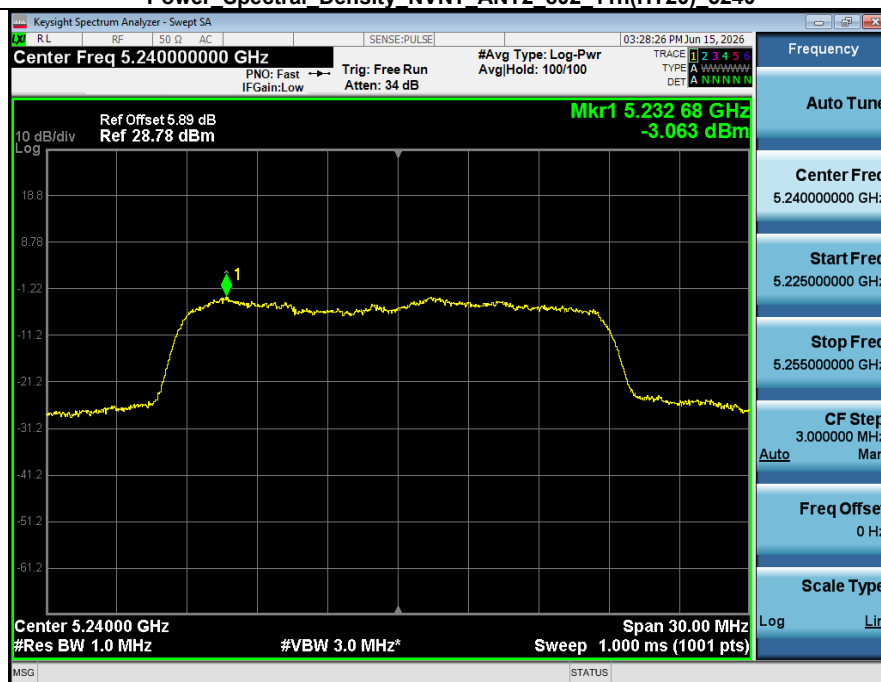




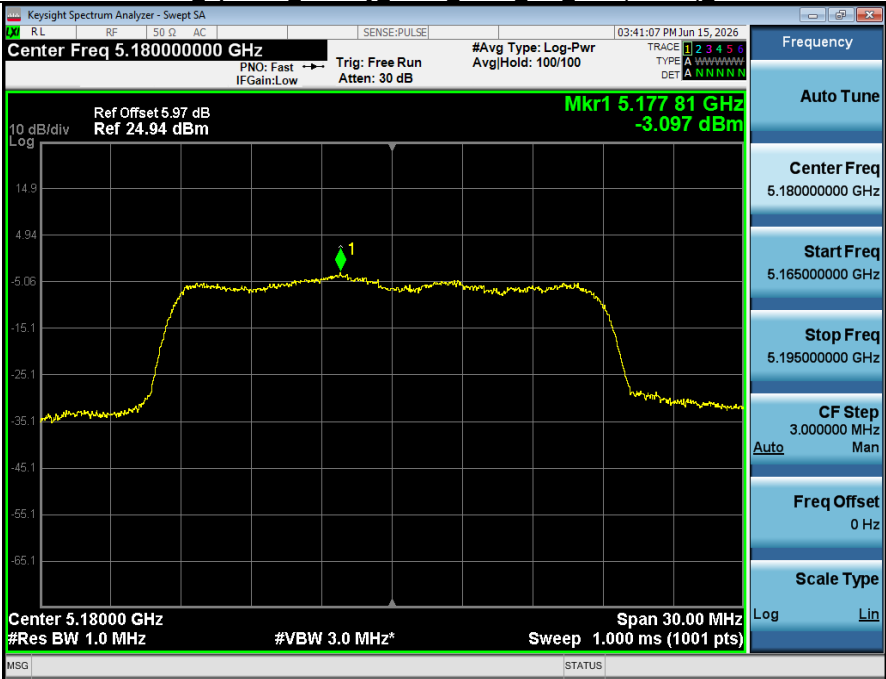
Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5240



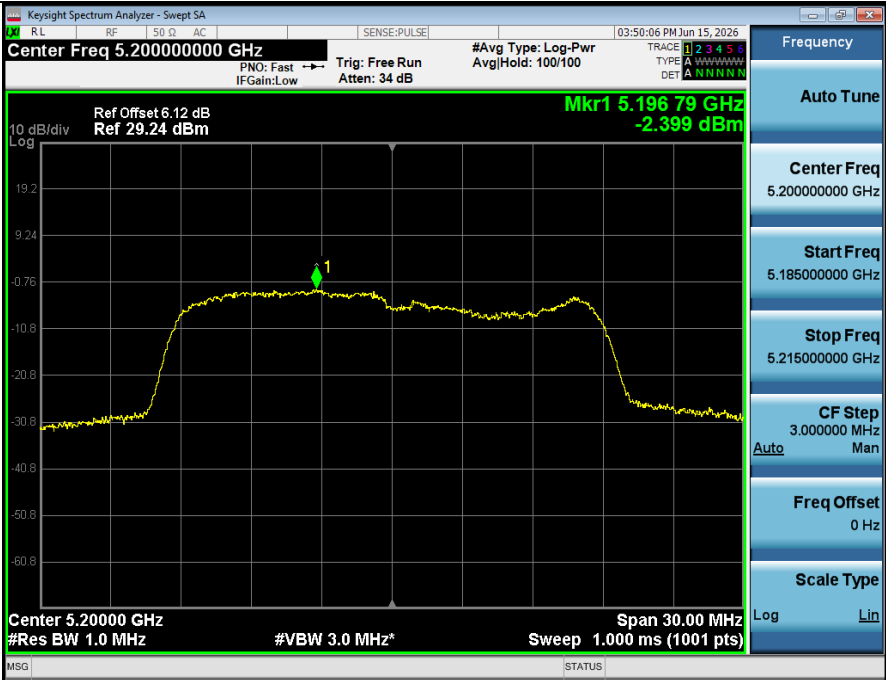
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Power Spectral Density NVNT ANT2 802 11ac(VHT20) 5180



Power Spectral Density NVNT ANT1 802 11ac(VHT20) 5200



Power Spectral Density NVNT ANT2 802 11ac(VHT20) 5200



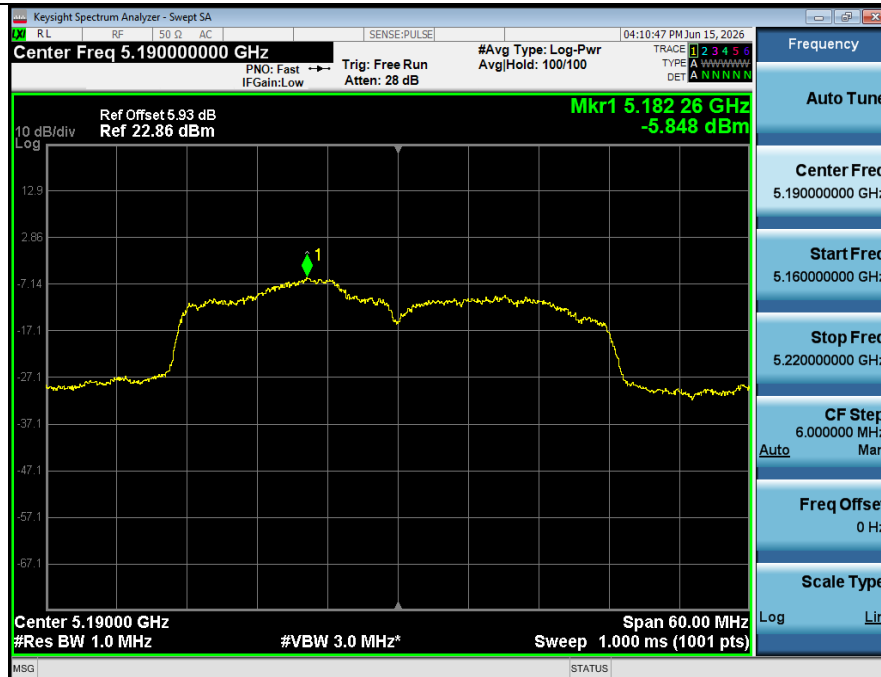
Power Spectral Density NVNT ANT1 802 11ac(VHT20) 5240



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Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5190



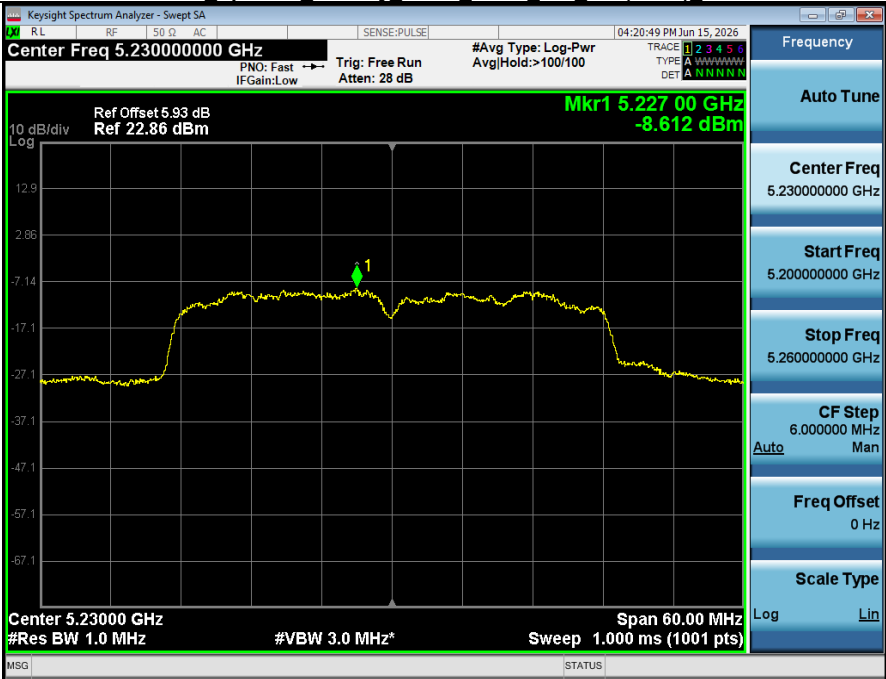
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Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5230



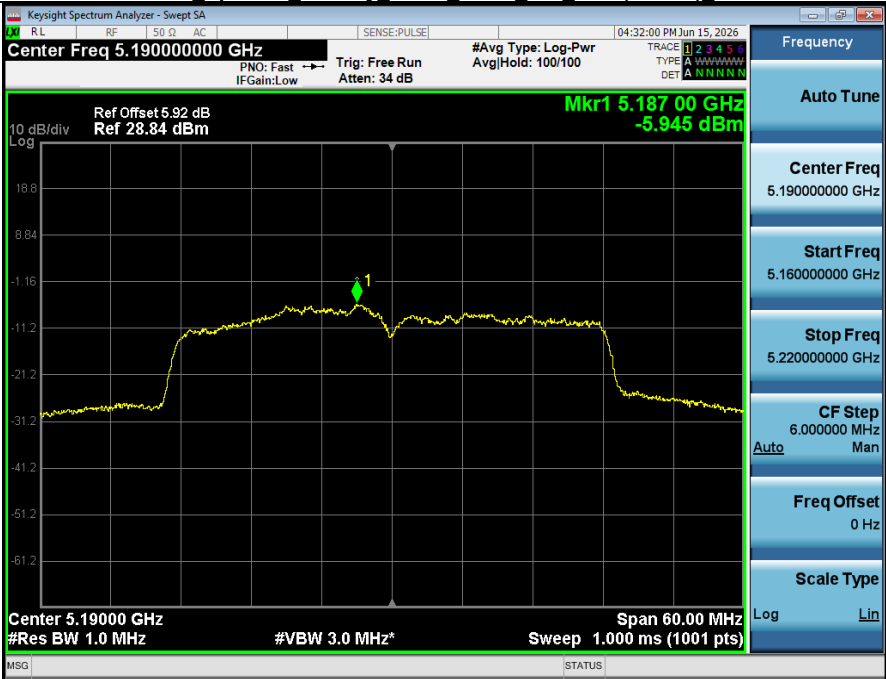
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Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5230



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT40)_5230



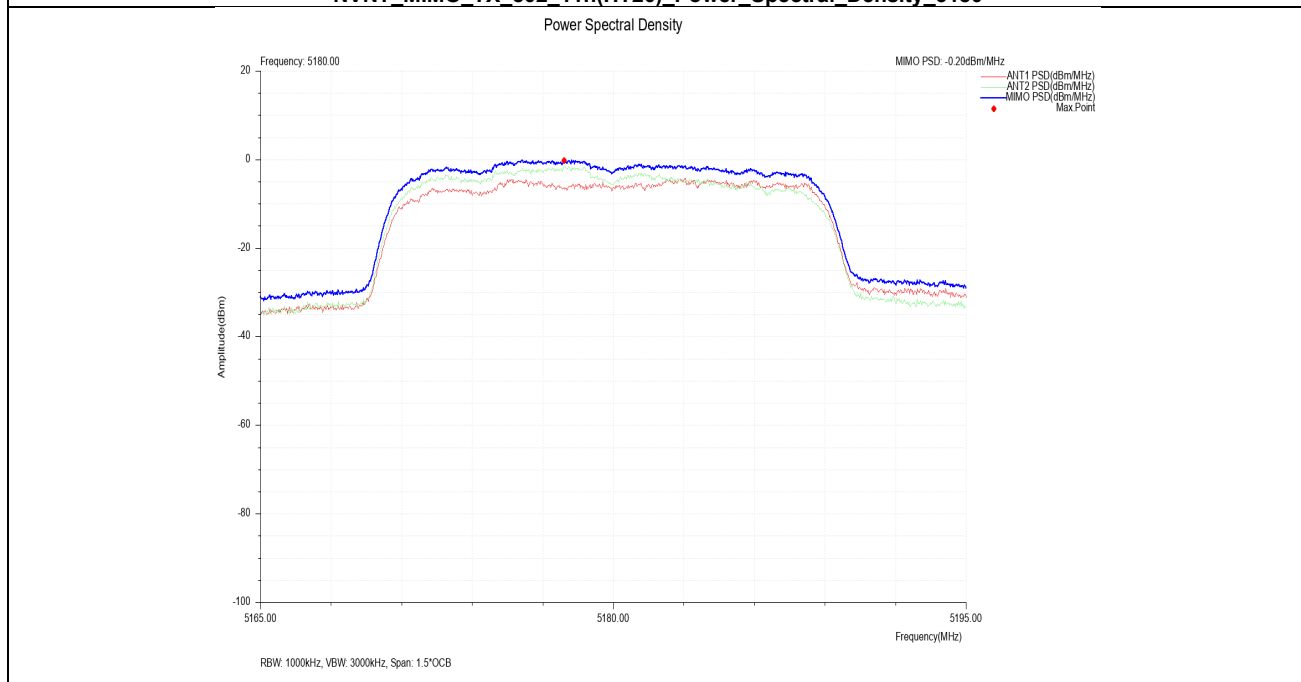
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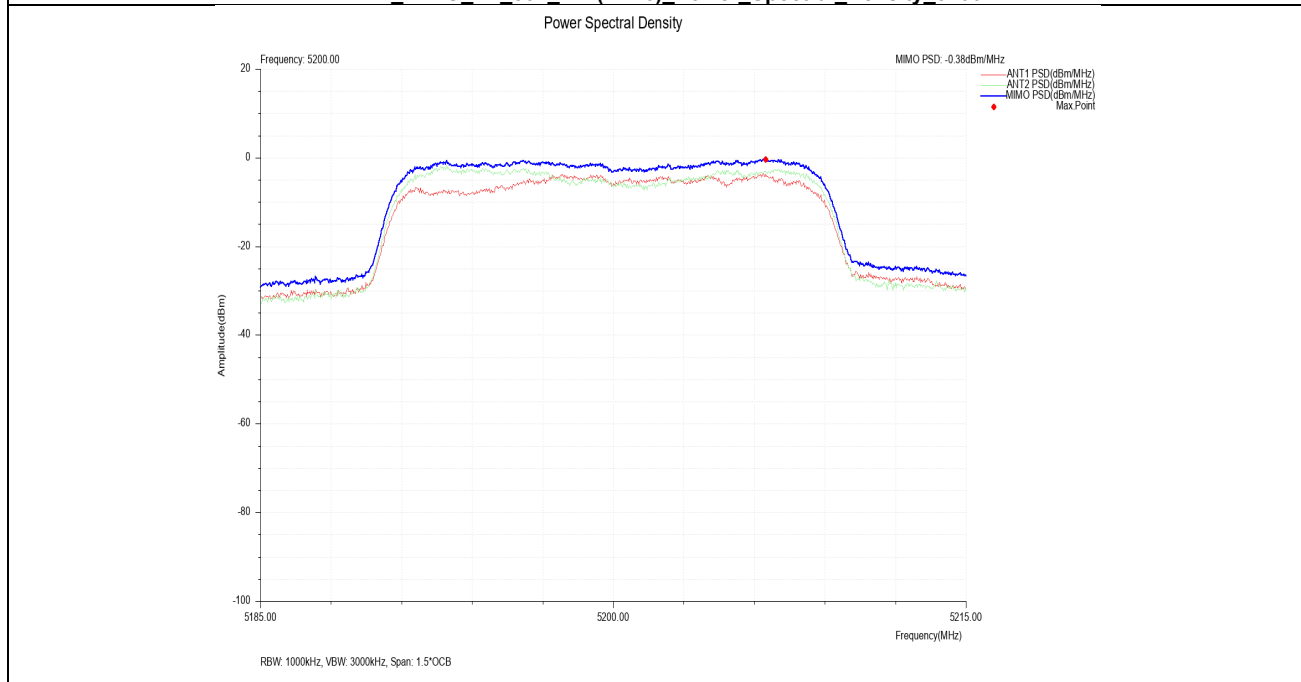
Power Spectral Density NVNT ANT2 802 11ac(VHT80) 5210



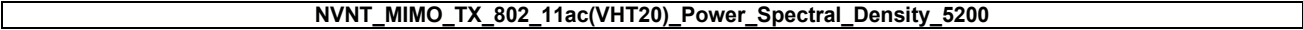
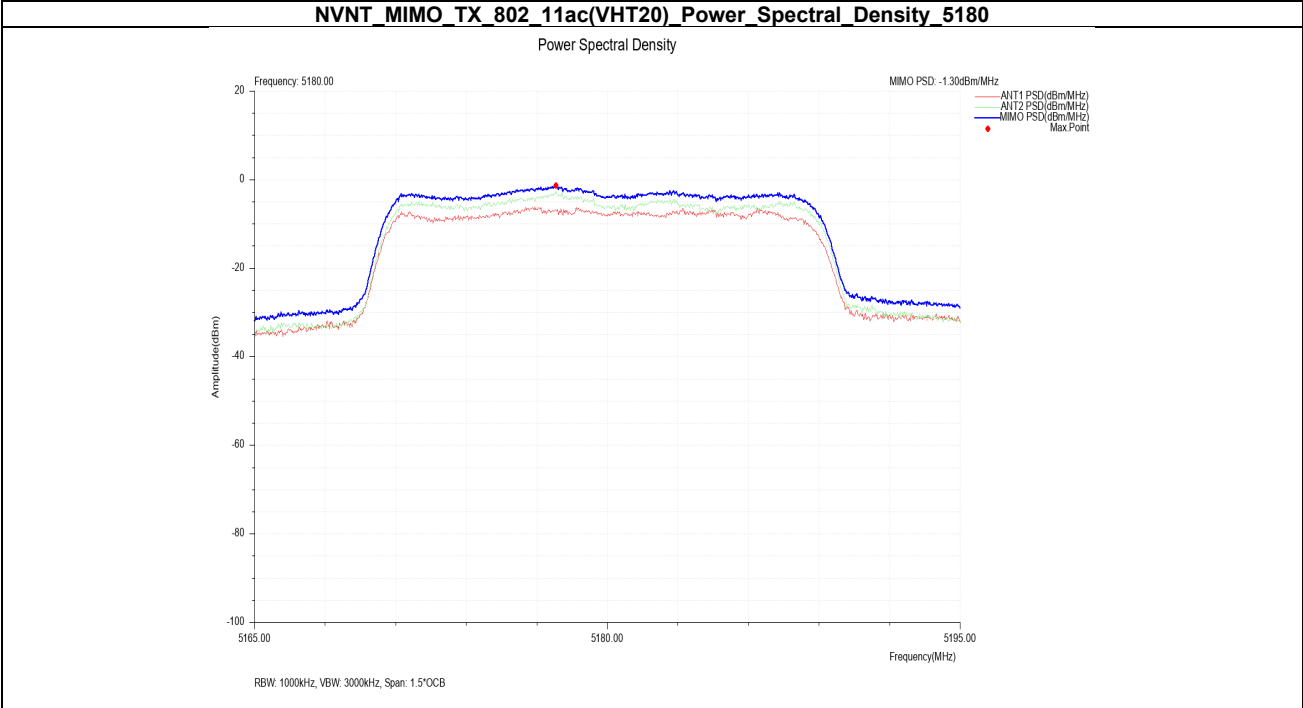
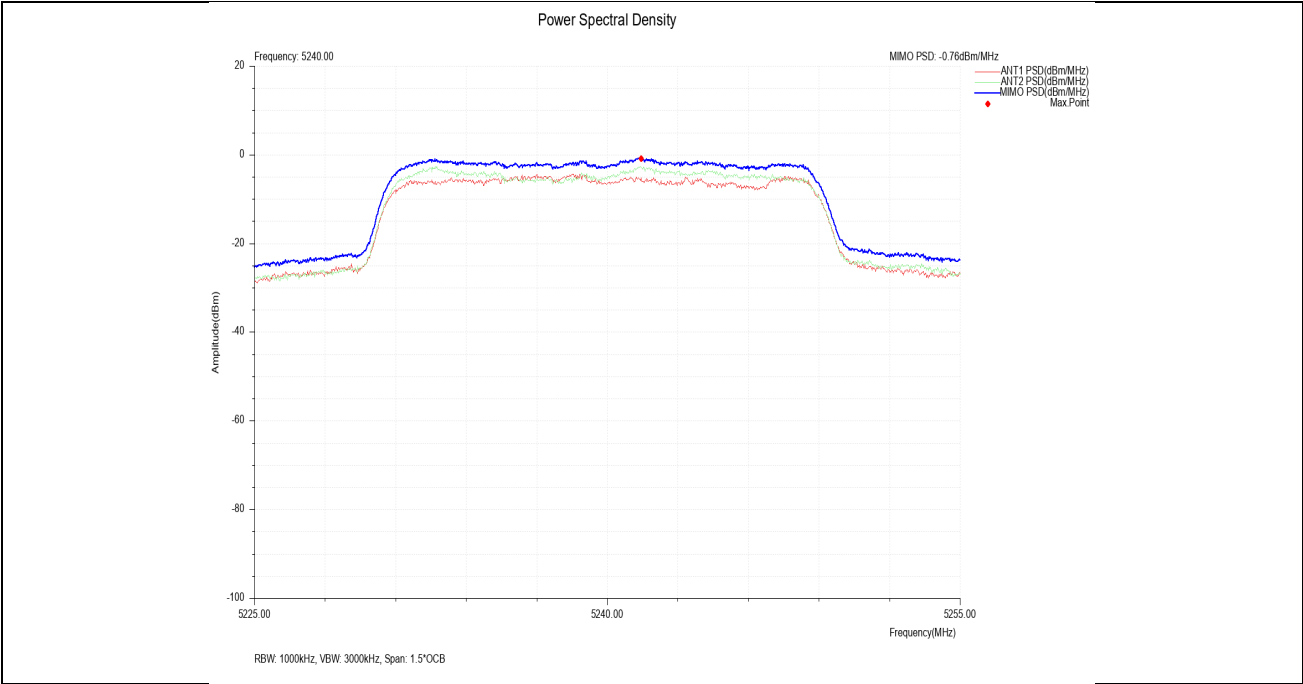
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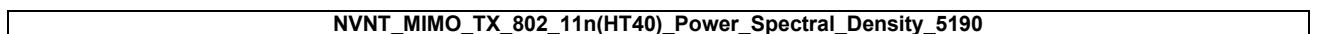
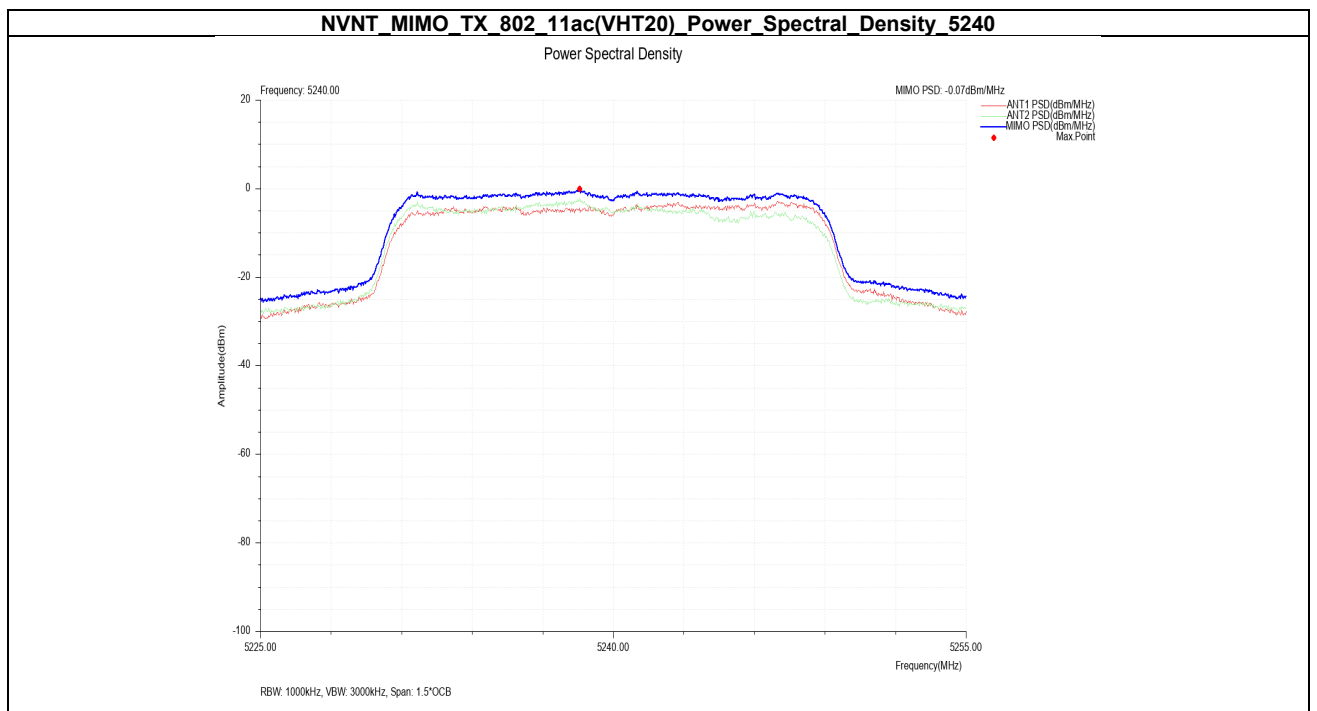
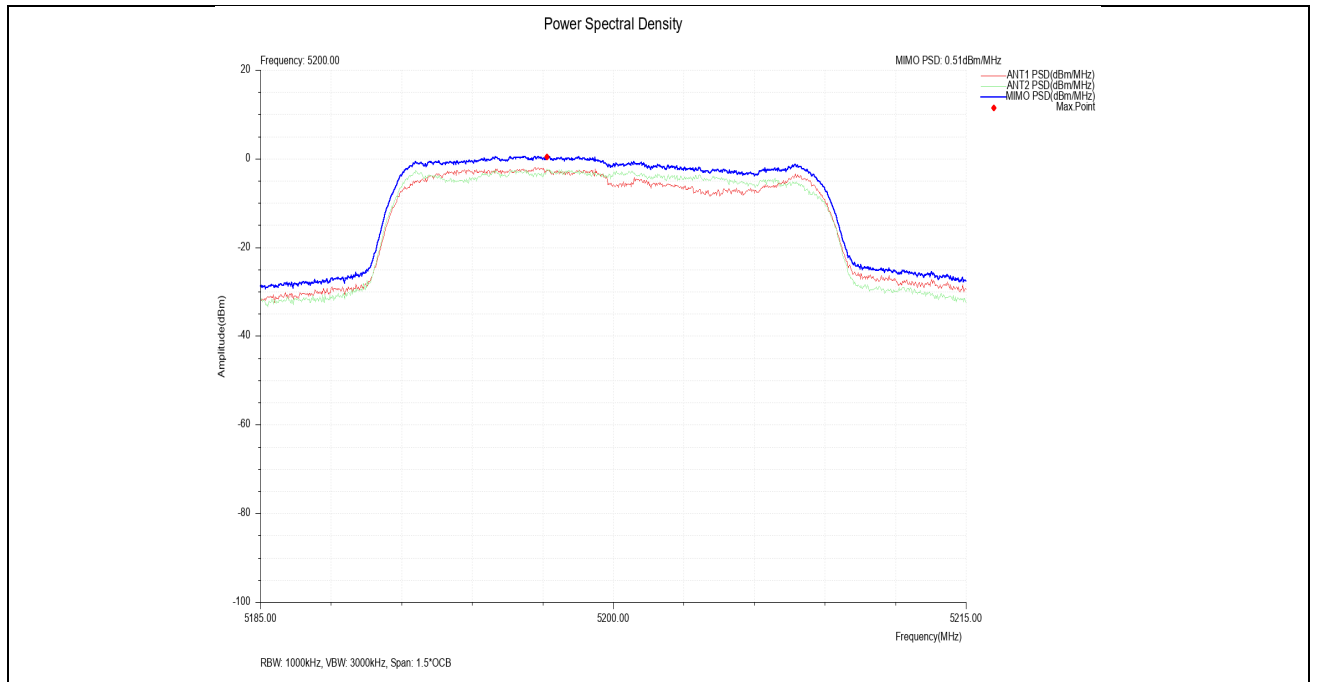


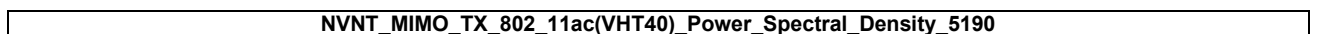
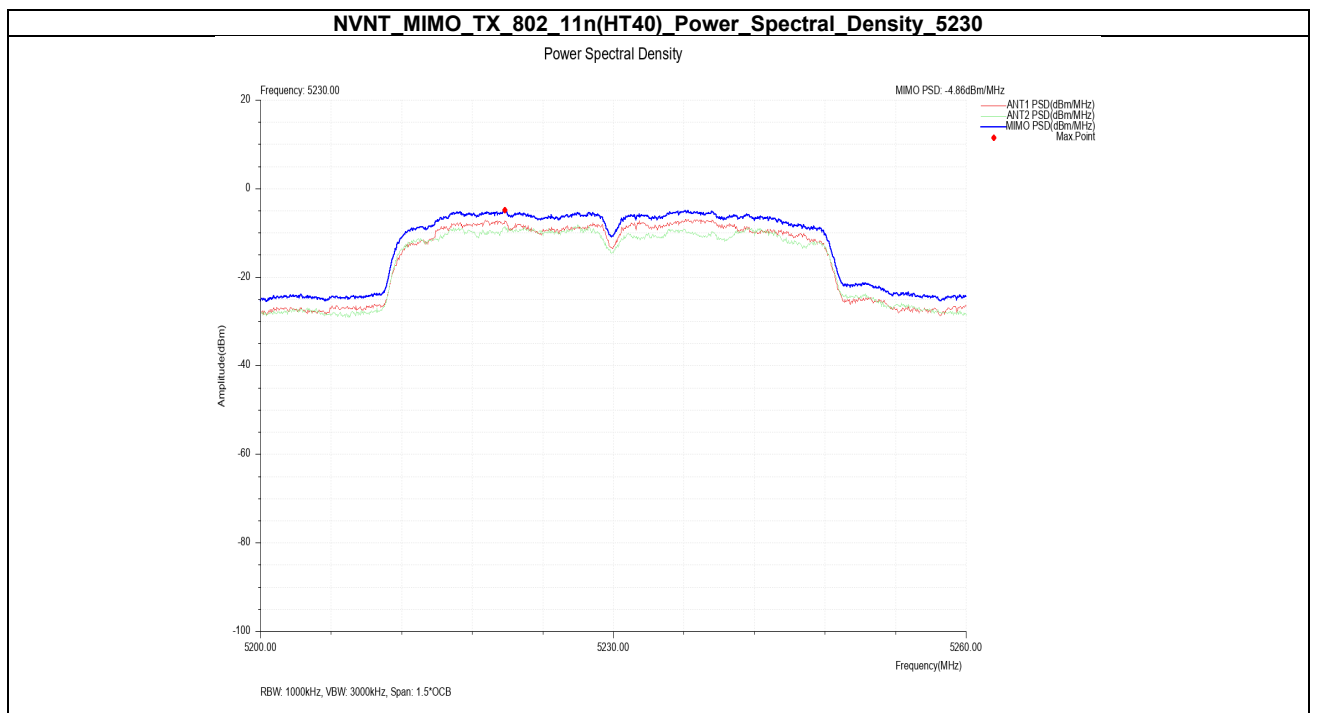
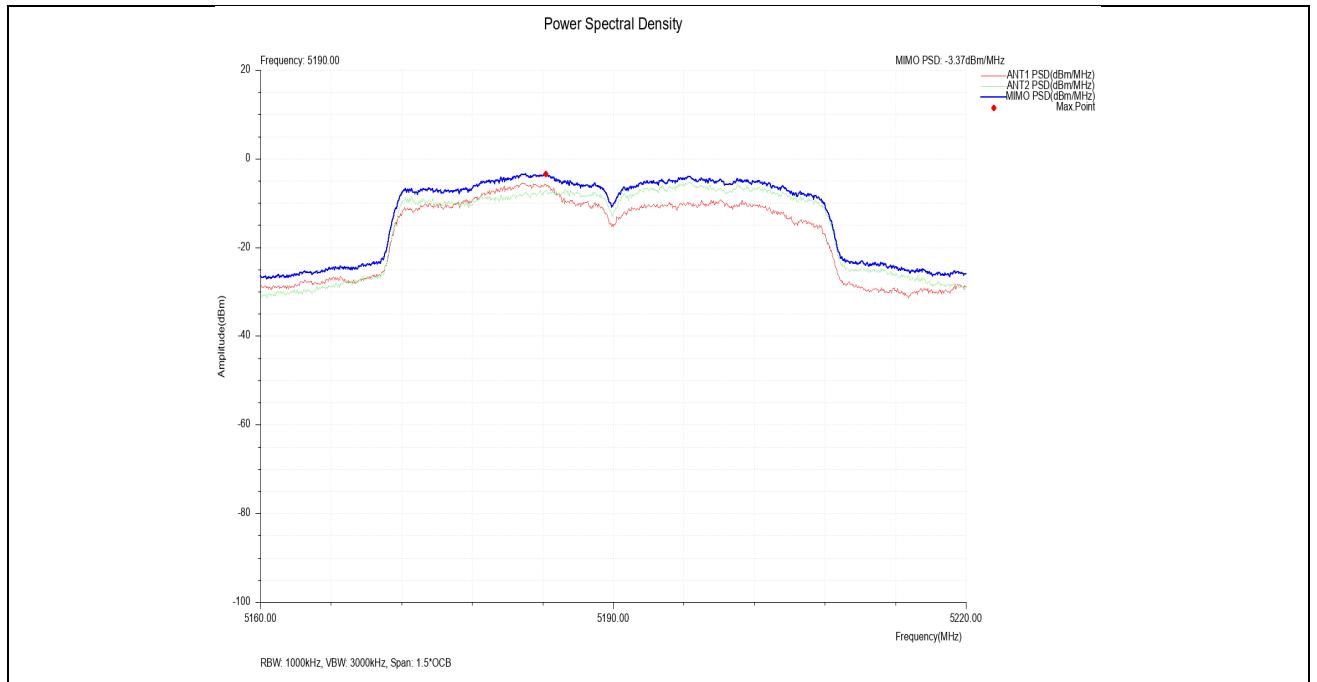
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5200

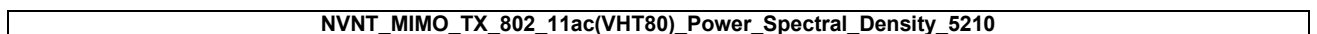
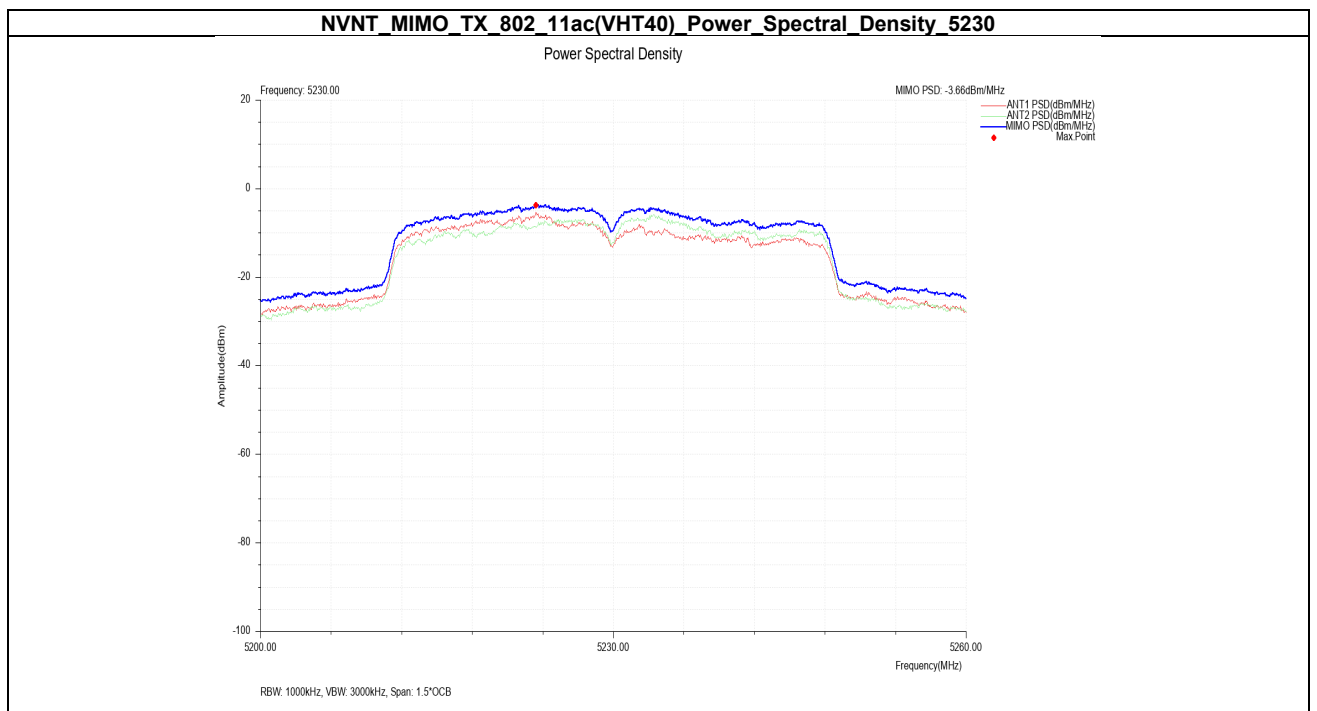
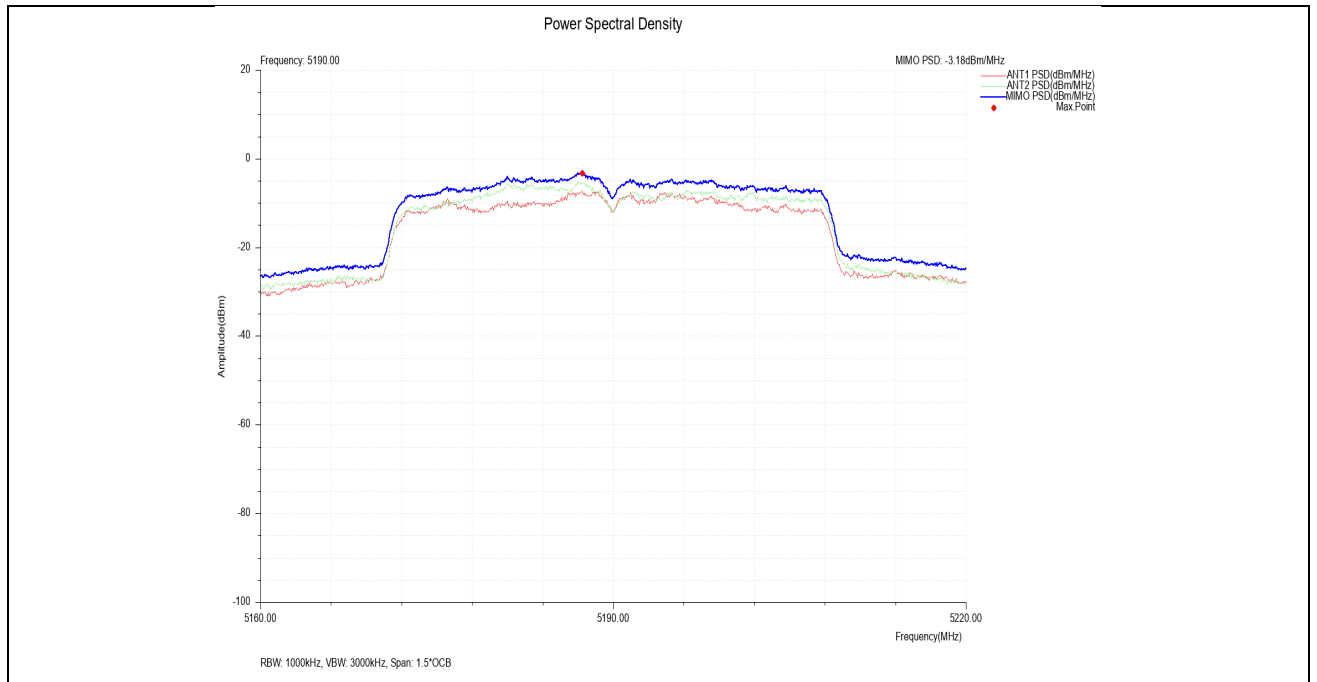


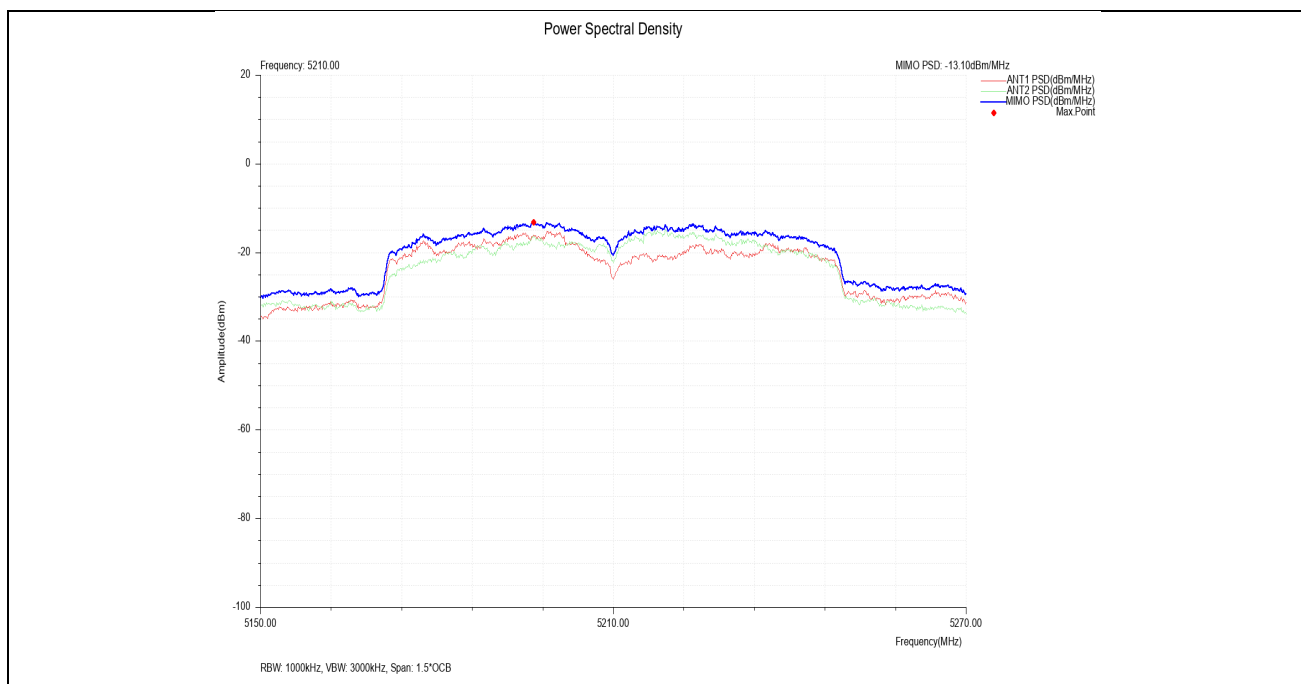
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5240

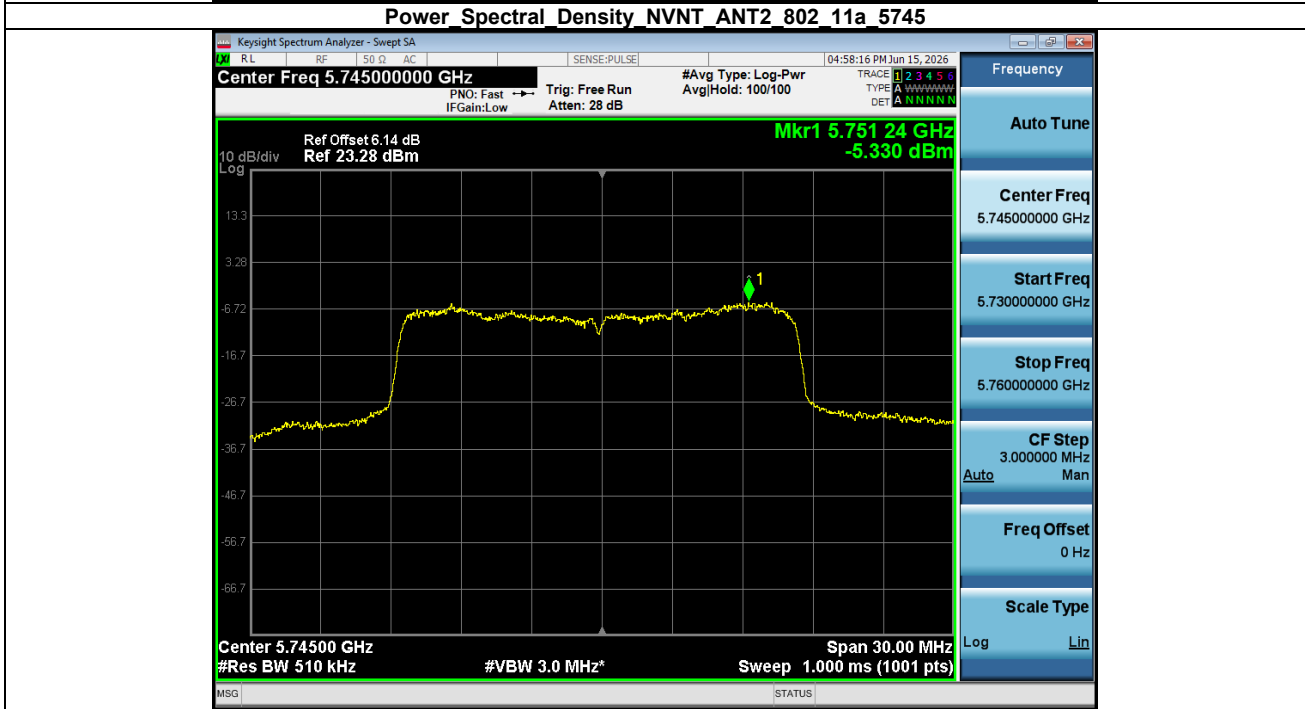






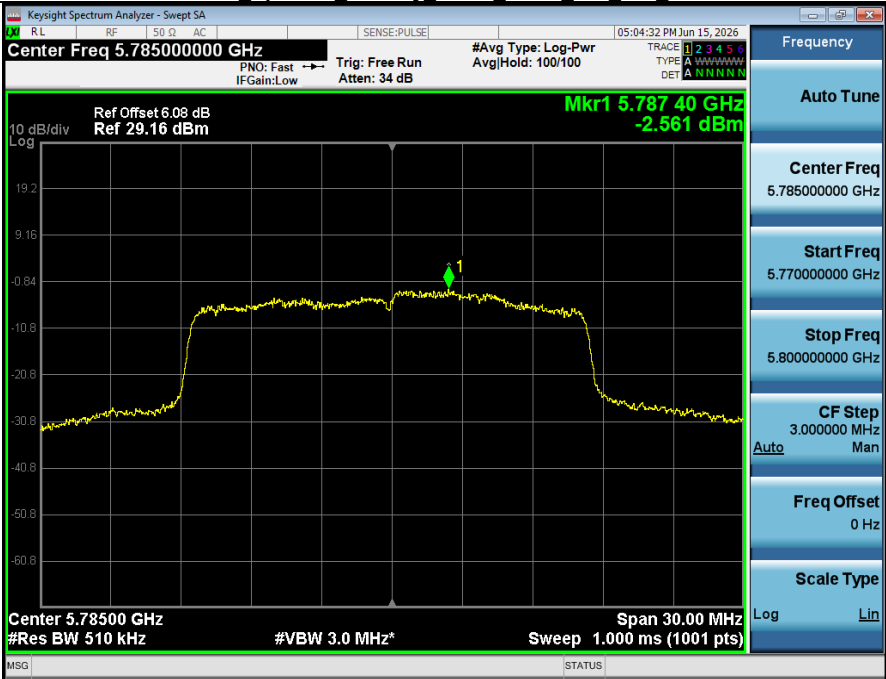








Power Spectral Density_NVNT_ANT2_802_11a_5785



Power Spectral Density_NVNT_ANT1_802_11a_5825



Power Spectral Density NVNT ANT2 802 11a 5825



Power Spectral Density NVNT ANT1 802 11n(HT20) 5745



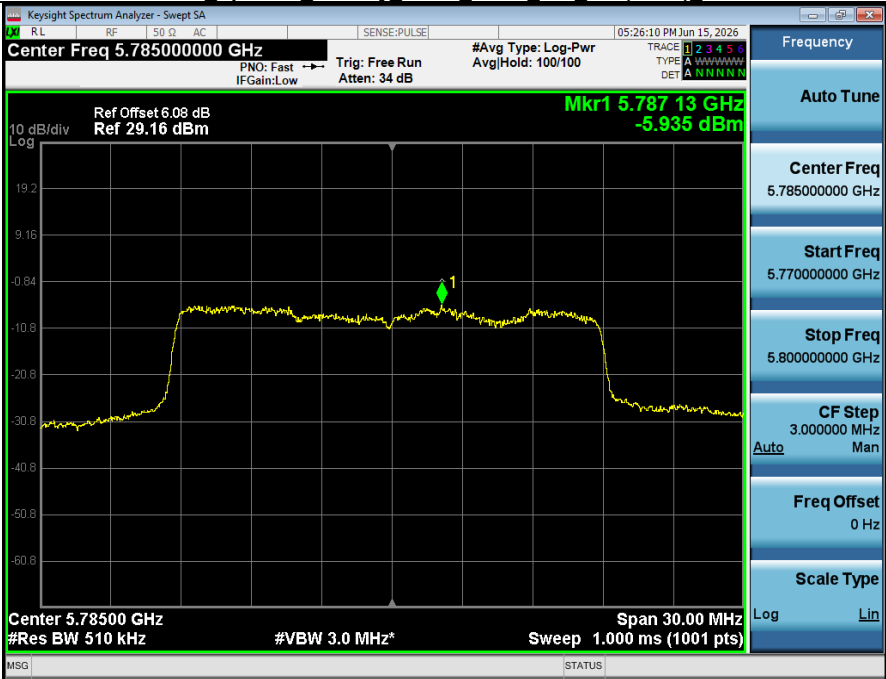
Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5745



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5785



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5785



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5825

Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5745



Power Spectral Density_NVNT_ANT2_802_11ac(VHT20)_5745



Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5785



Power Spectral Density NVNT ANT2 802 11ac(VHT20) 5785



Power Spectral Density NVNT ANT1 802 11ac(VHT20) 5825



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT20)_5825



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5755



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_5755



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5795



Power Spectral Density_NVNT_ANT2_802_11n(HT40)_5795



Power Spectral Density_NVNT_ANT1_802_11ac(VHT40)_5755



Power Spectral Density_NVNT_ANT2_802_11ac(VHT40)_5755



Power Spectral Density_NVNT_ANT1_802_11ac(VHT40)_5795



Power Spectral Density_NVNT ANT2 802 11ac(VHT40) 5795



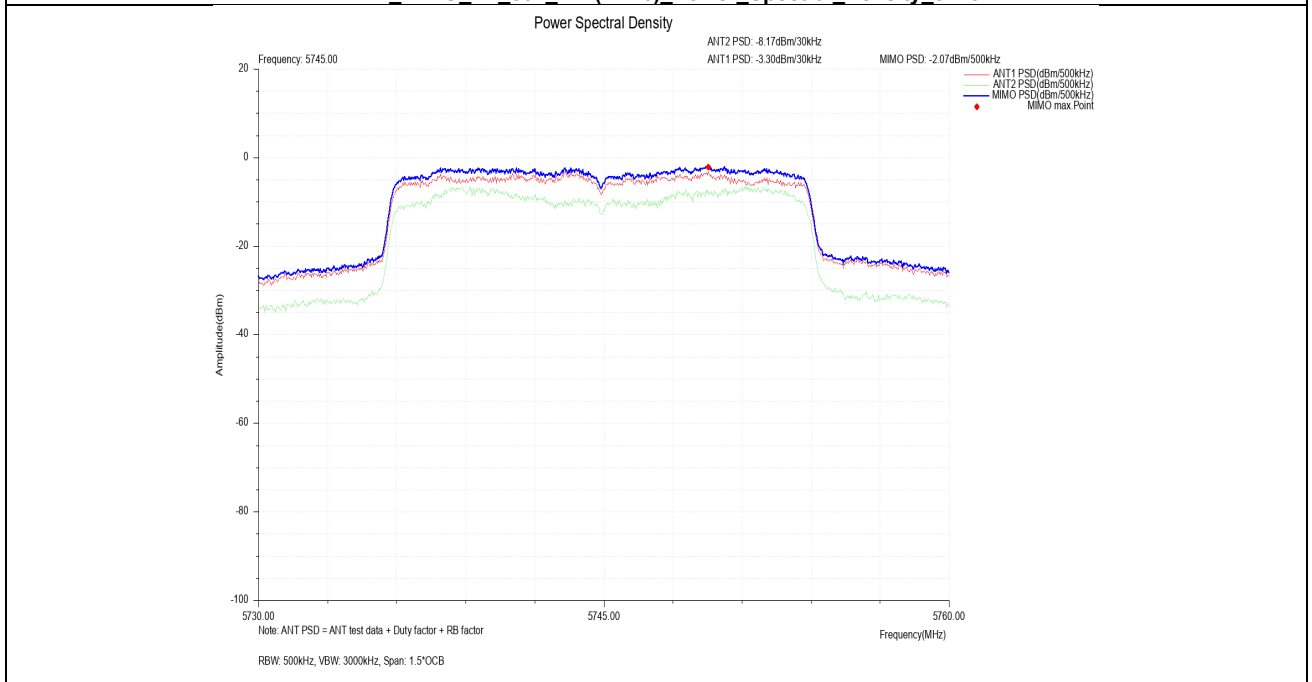
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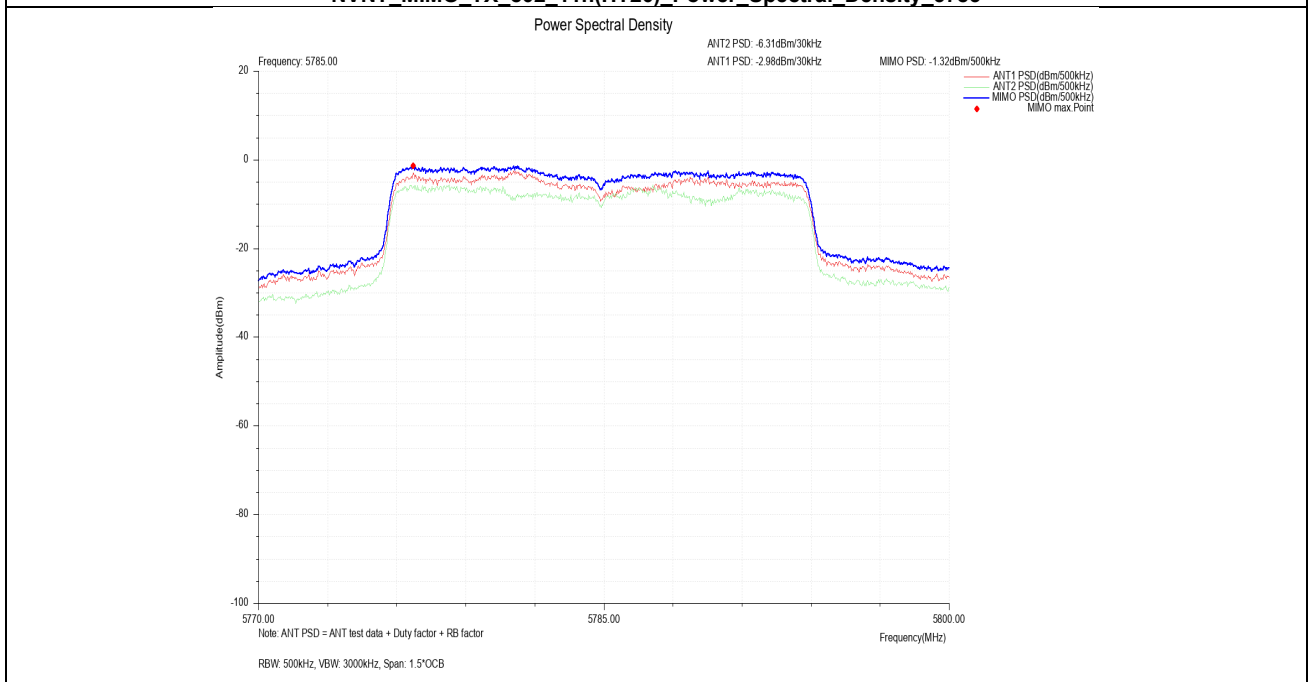
Power Spectral Density NVNT ANT2 802 11ac(VHT80) 5775



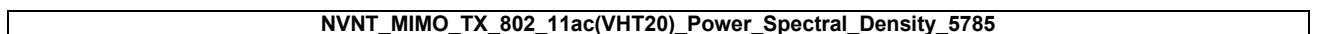
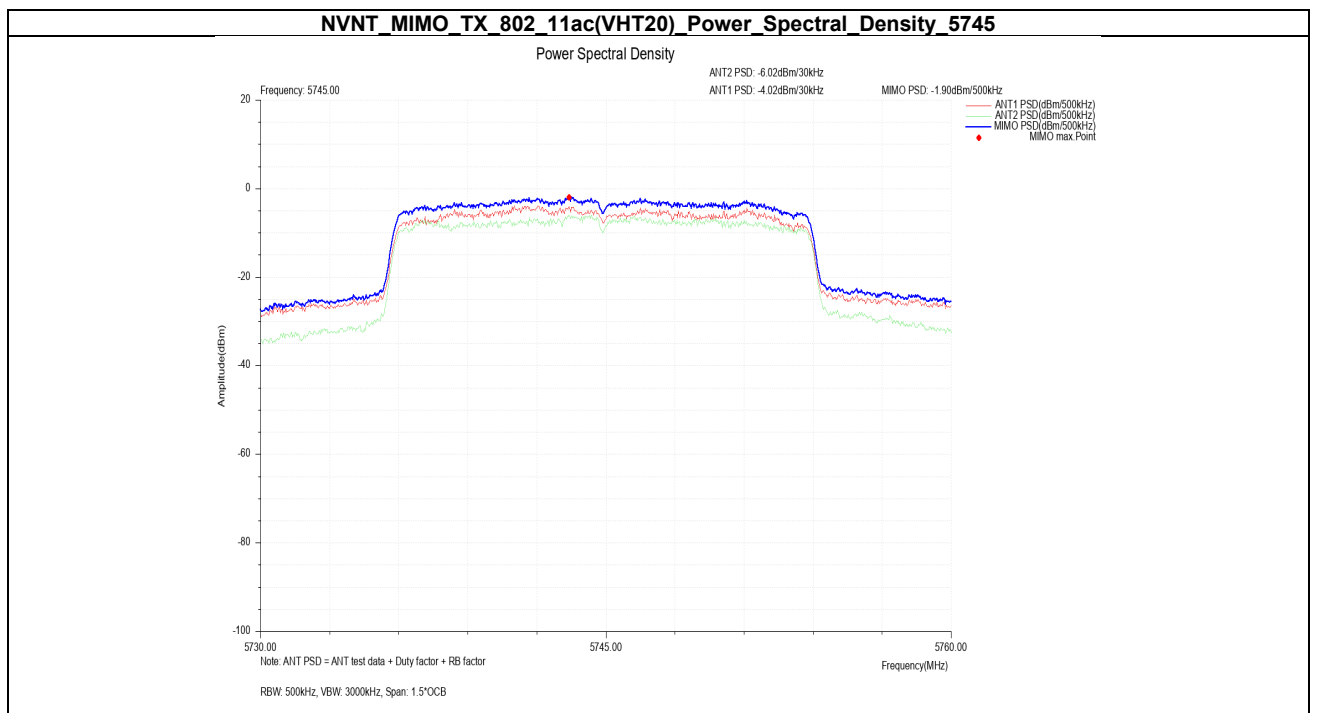
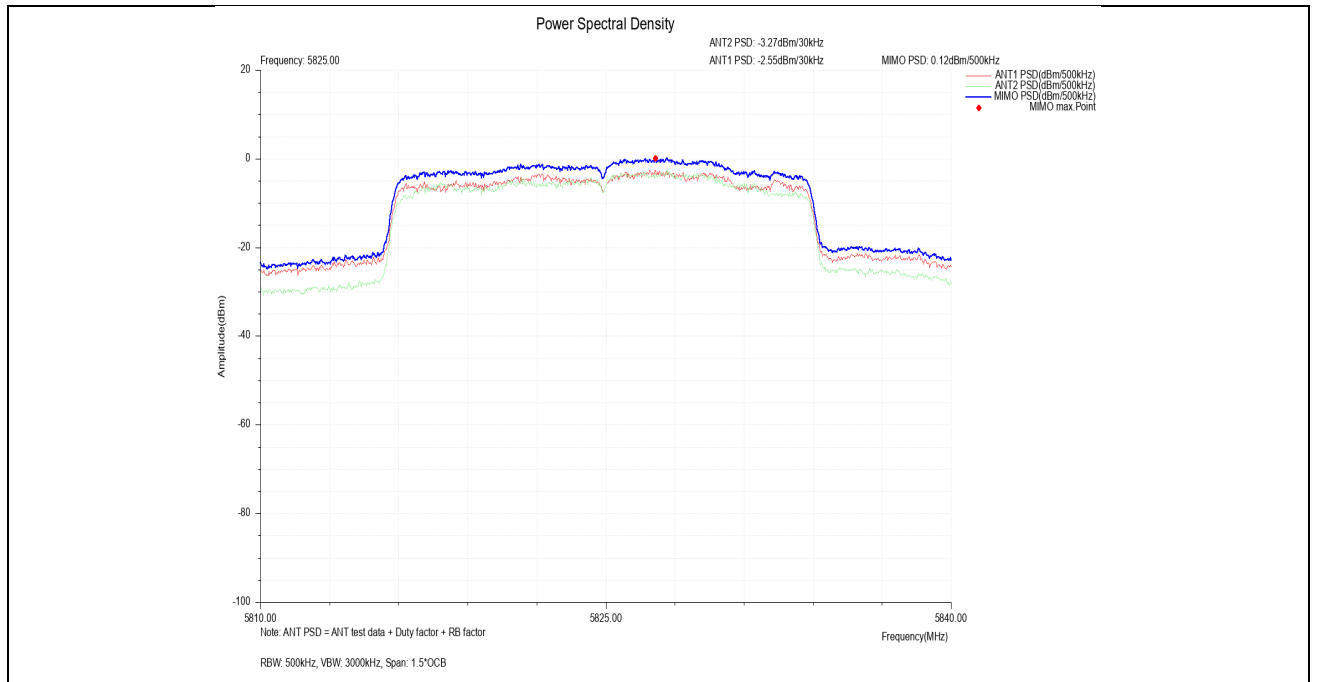
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5745

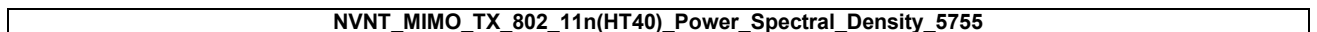
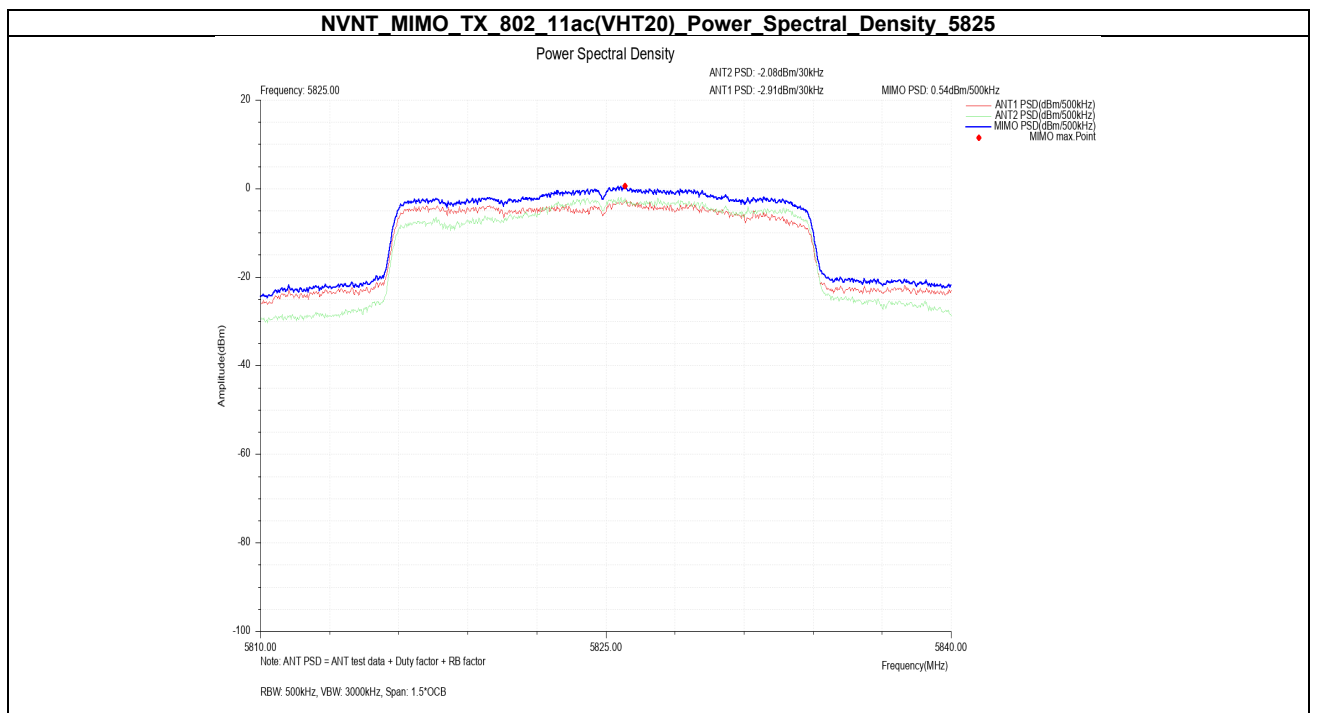
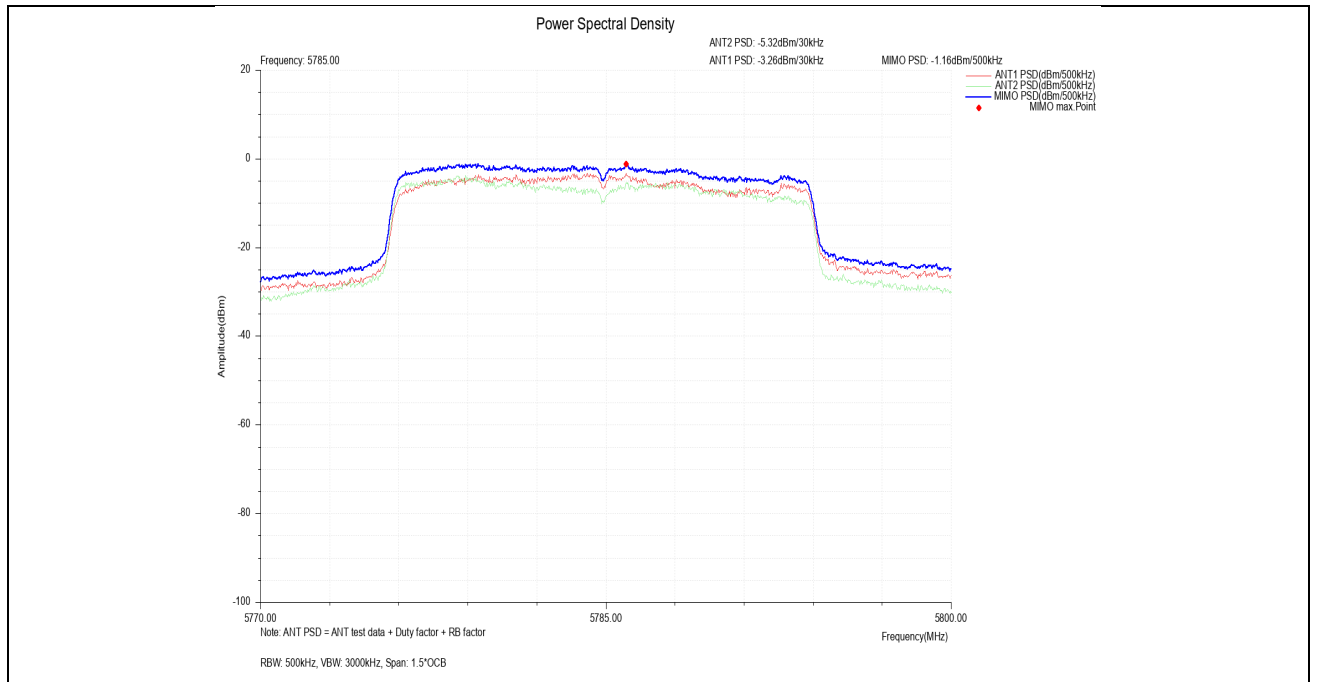


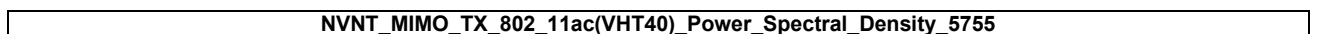
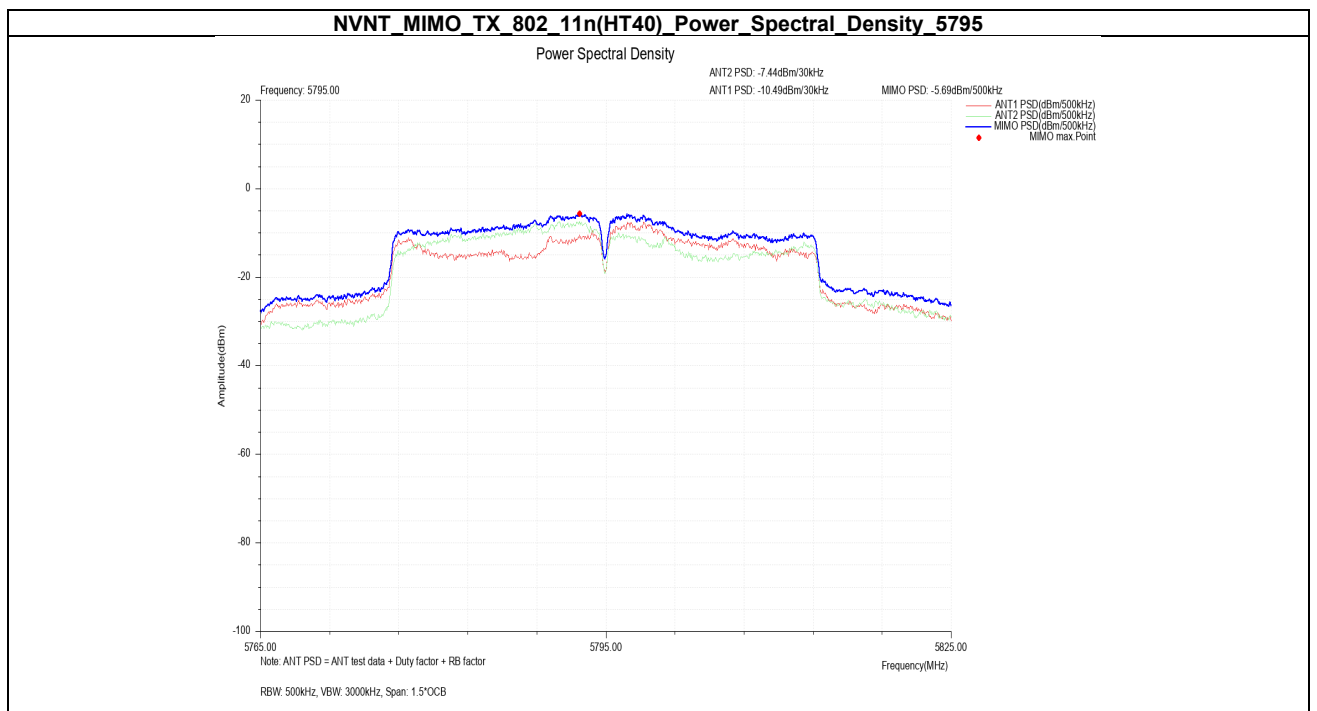
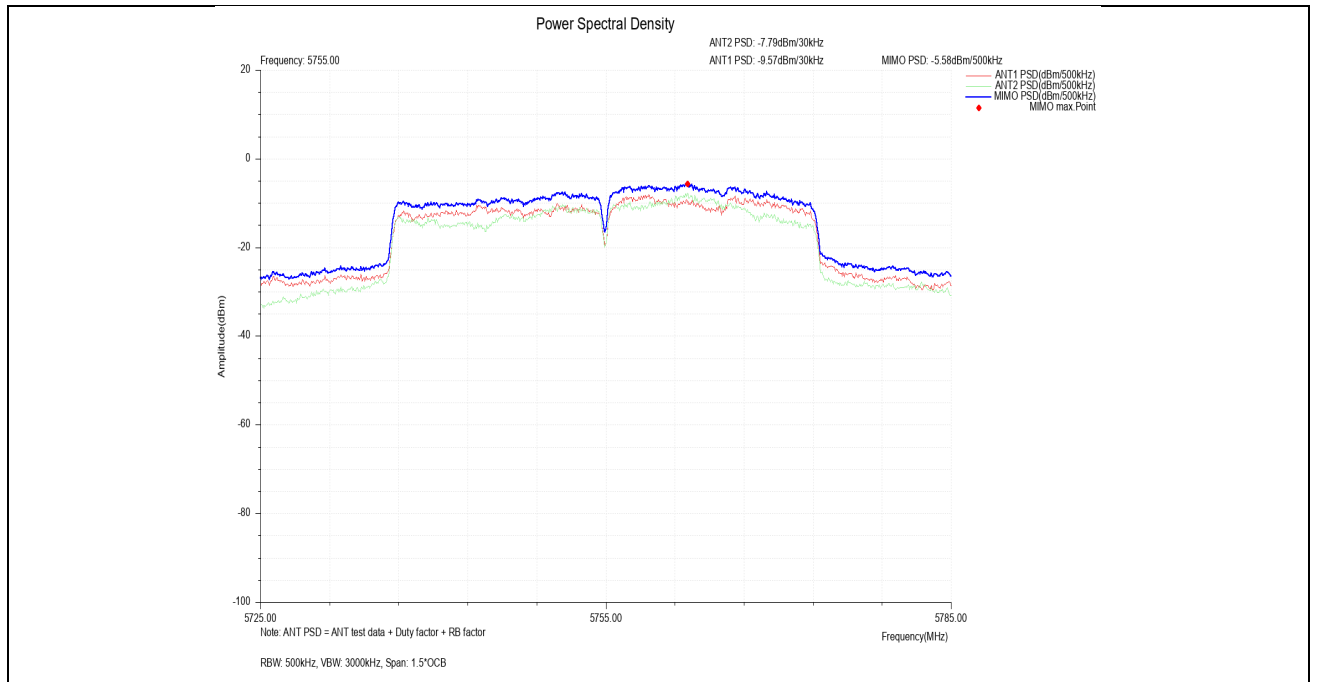
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5785

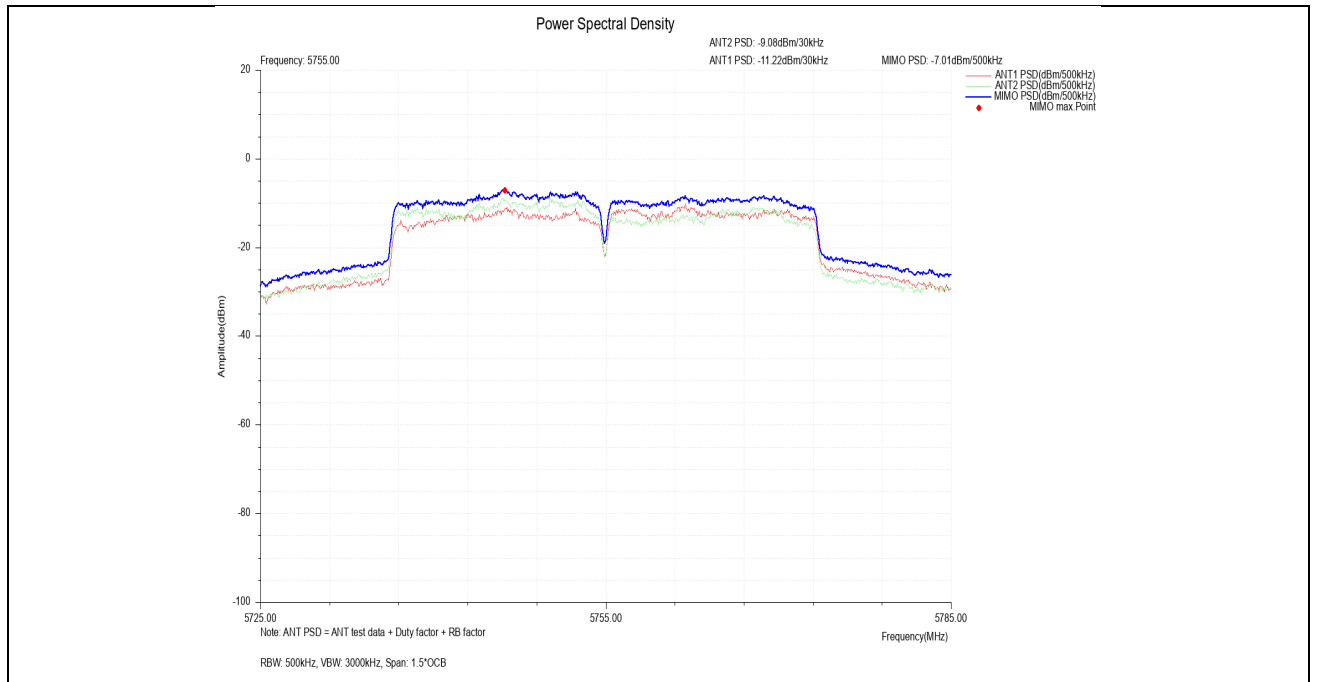


NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5825

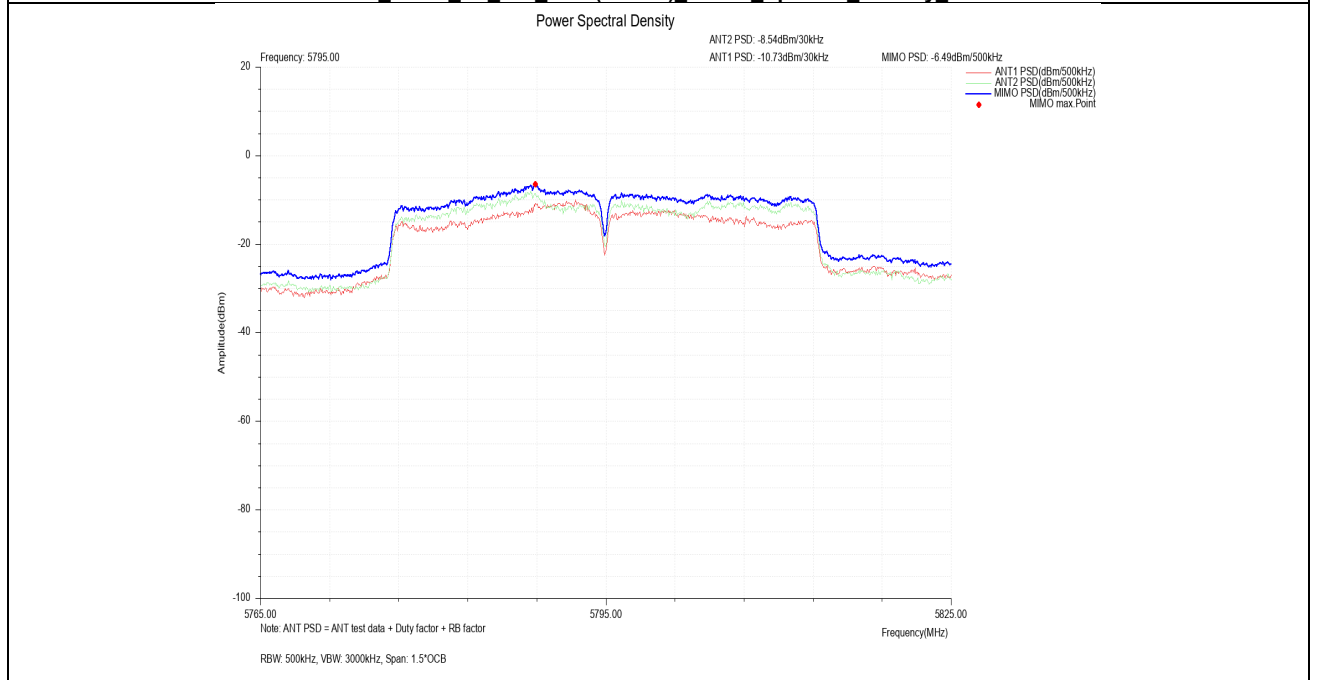




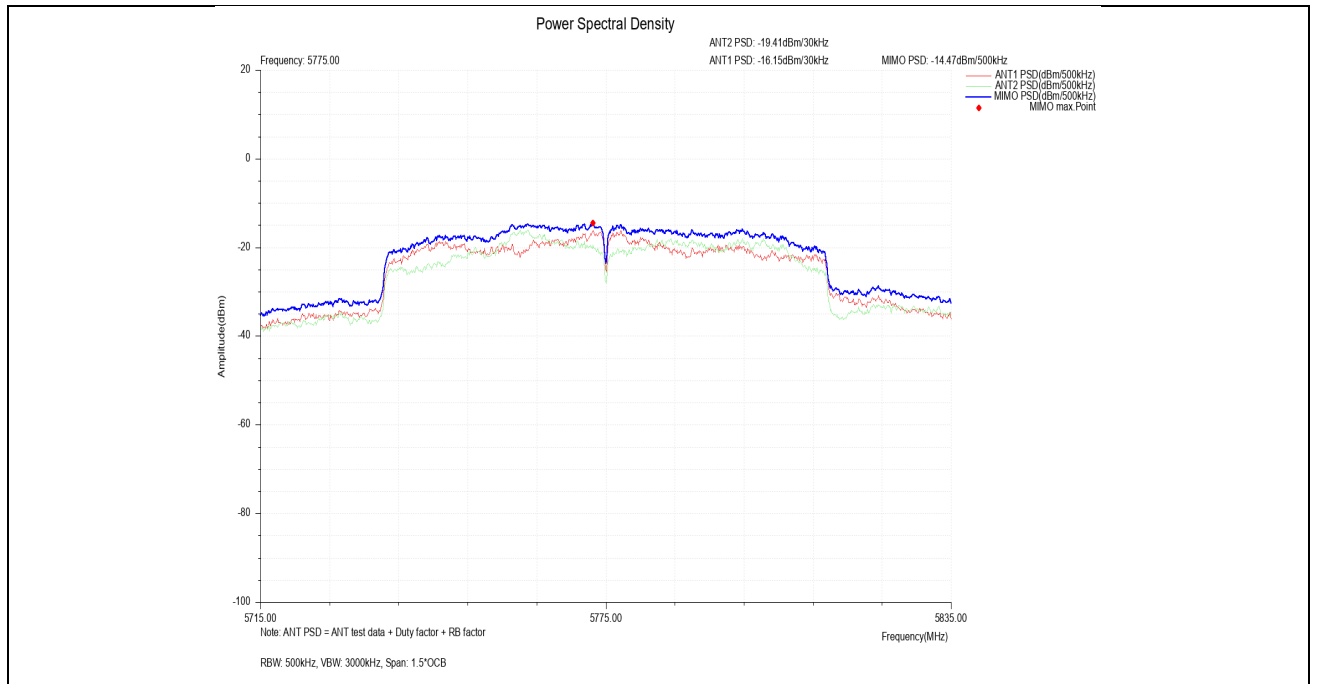




NVNT_MIMO_TX_802_11ac(VHT40) Power Spectral Density_5795



NVNT_MIMO_TX_802_11ac(VHT80) Power Spectral Density_5775



Appendix A.6: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-9000.00	-1.737	20	PASS
		5200	NV	NT	-9900.00	-1.903	20	PASS
		5240	NV	NT	-10200.00	-1.946	20	PASS
		5745	NV	NT	-12000.00	-2.089	20	PASS
		5785	NV	NT	-11400.00	-1.971	20	PASS
		5825	NV	NT	-12000.00	-2.089	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	0	-9300.00	-1.795	20	PASS
			NV	40	-9300.00	-1.795	20	PASS
		5200	NV	0	-9600.00	-1.846	20	PASS
			NV	40	-10200.00	-1.962	20	PASS
		5240	NV	0	-10200.00	-1.947	20	PASS
			NV	40	-10500.00	-2.004	20	PASS
		5745	NV	0	-11400.00	-1.984	20	PASS
			NV	40	-11700.00	-2.037	20	PASS
		5785	NV	0	-11400.00	-1.971	20	PASS
			NV	40	-11400.00	-1.971	20	PASS
		5825	NV	0	-12000.00	-2.060	20	PASS
			NV	40	-12000.00	-2.060	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 40GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 3) Both antenna 1 and antenna 2 tested for 802.11a, only worst case reported.
- 4) Both MIMO and SISO tested for 802.11n/ac, only worst case (MIMO) reported.

30MHz - 1GHz



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: ANT1 A 5180		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/13 17:51:54



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	36.0162	18.38	13.70	32.08	40.00	-7.92	QP	100	121	P	
2	48.0782	18.89	13.81	32.70	40.00	-7.30	QP	100	341	P	
3	57.9230	19.40	13.35	32.75	40.00	-7.25	QP	100	122	P	
4	174.1184	21.19	13.72	34.91	43.50	-8.59	QP	100	51	P	
5 *	302.4811	27.72	15.17	42.89	46.00	-3.11	QP	100	108	P	
6	363.7807	24.43	16.84	41.27	46.00	-4.73	QP	100	215	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#1

Page: 1

Engineer Signature:

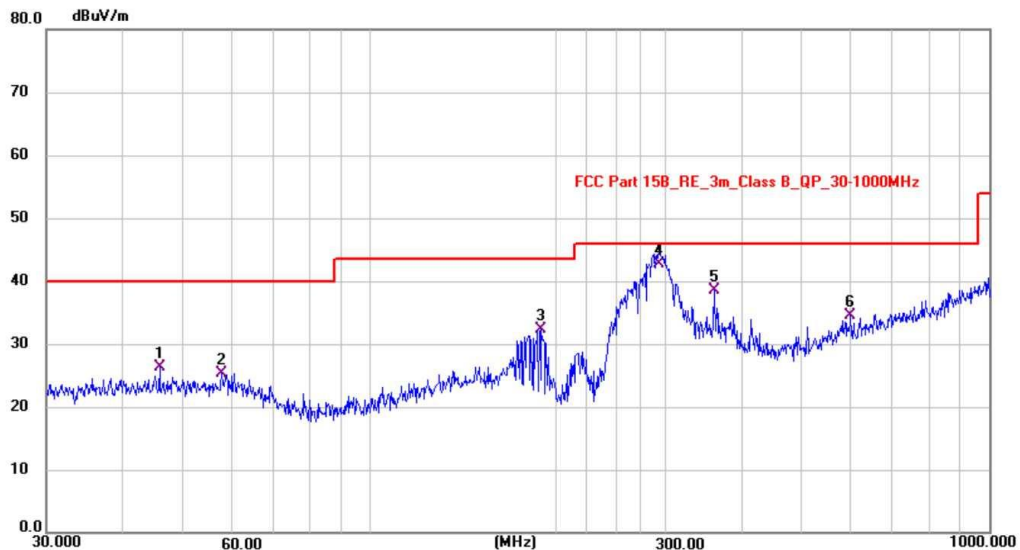


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: ANT1 A 5240		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/13 18:06:19



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	45.7750	12.42	13.88	26.30	40.00	-13.70	QP	200	121	P	
2	57.7961	12.04	13.36	25.40	40.00	-14.60	QP	200	155	P	
3	189.3231	20.46	11.89	32.35	43.50	-11.15	QP	200	169	P	
4 *	293.5985	27.87	14.91	42.78	46.00	-3.22	QP	200	317	P	
5	360.1317	21.73	16.77	38.50	46.00	-7.50	QP	200	272	P	
6	598.5334	12.38	22.03	34.41	46.00	-11.59	QP	200	106	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5/Data :#4

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
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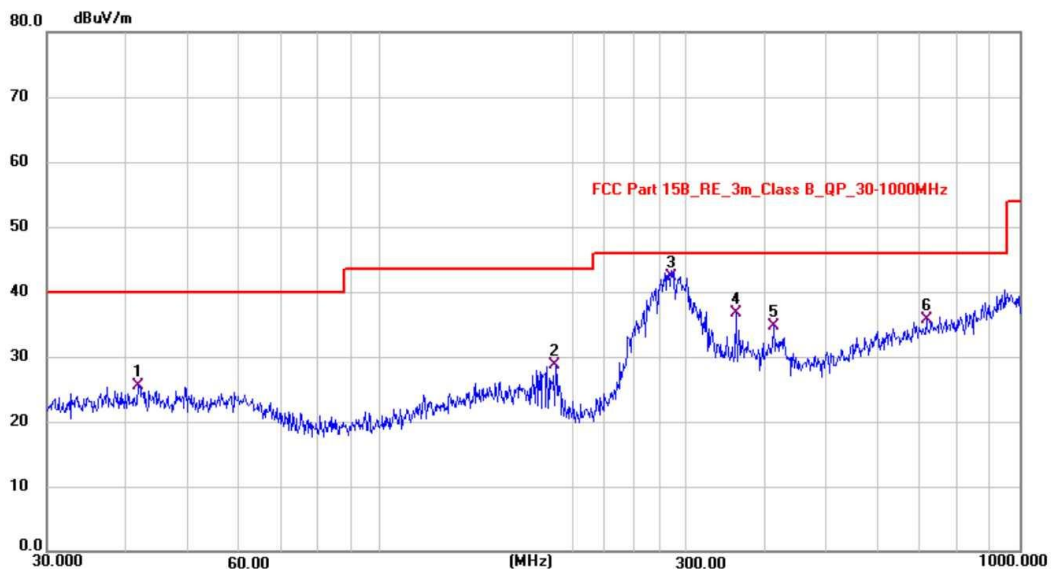
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: ANT1 A 5745
Test Voltage: AC 120V/60Hz
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 18:16:52



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	41.7496	11.39	14.15	25.54	40.00	-14.46	QP	200	157	P	
2	188.1649	16.70	12.02	28.72	43.50	-14.78	QP	200	128	P	
3 *	284.9766	27.61	14.65	42.26	46.00	-3.74	QP	200	276	P	
4	359.9740	20.00	16.77	36.77	46.00	-9.23	QP	200	150	P	
5	412.3660	16.78	18.00	34.78	46.00	-11.22	QP	200	166	P	
6	715.7400	11.66	24.04	35.70	46.00	-10.30	QP	200	89	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: ANT1 A 5825
Test Voltage: AC 120V/60Hz
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 18:21:08



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	36.0162	14.84	13.70	28.54	40.00	-11.46	QP	100	175	P	
2	57.8470	15.98	13.36	29.34	40.00	-10.66	QP	100	431	P	
3	163.8984	15.14	14.84	29.98	43.50	-13.52	QP	100	154	P	
4	238.1013	22.13	13.16	35.29	46.00	-10.71	QP	100	280	P	
5 *	299.8410	27.40	15.09	42.49	46.00	-3.51	QP	100	164	P	
6	363.7807	21.18	16.84	38.02	46.00	-7.98	QP	100	133	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

U-NII-1:



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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

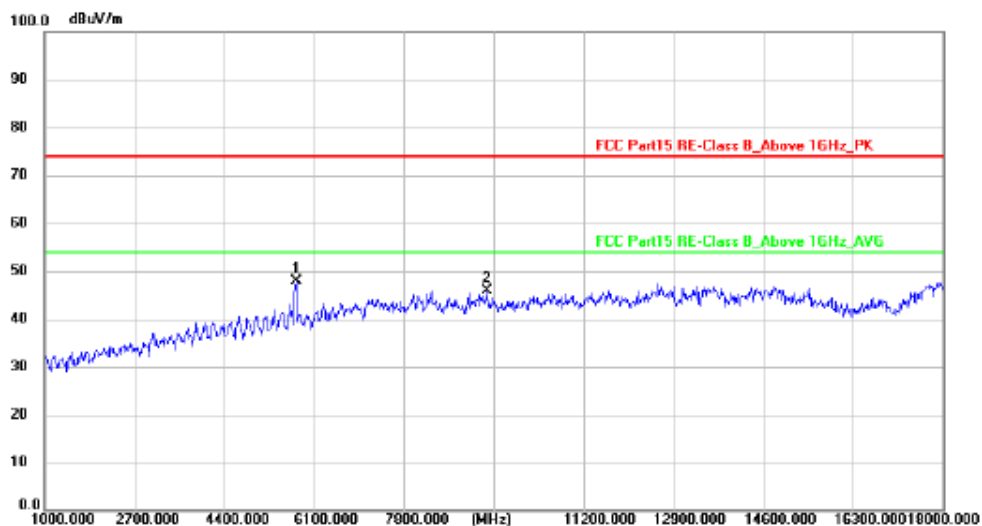
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: ANT1 A 5180
Test Voltage: AC 120V/60Hz
Note:

Polarization: *Vertical*
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 20:28:17



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5768.500	67.96	-20.20	47.76	74.00	-26.24	peak	150	121	P	
2	9381.000	62.28	-16.32	45.96	74.00	-28.04	peak	150	82	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

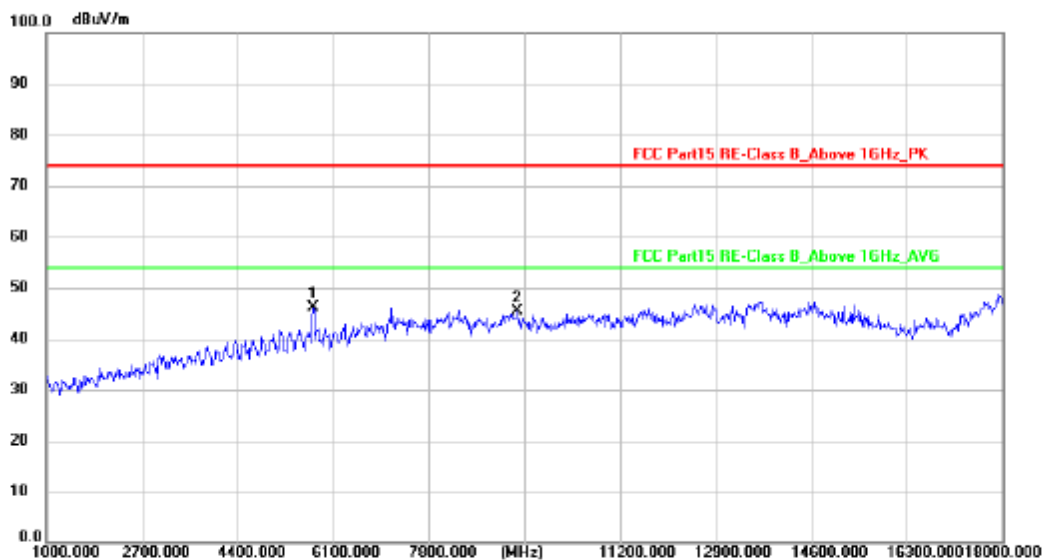


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: *Horizontal* Temperature: 26 °C
EUT: 3D Printer Distance: 3m Humidity: 54 %RH
M/N: Ceramix-Nano Test Engineer: Jeffrey
Test Mode: ANT1 A 5180
Test Voltage: AC 120V/60Hz
Note:

Radiated Emission Measurement

Test Date: 2026/5/14 20:32:45



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5751.500	66.28	-20.23	46.05	74.00	-27.95	peak	150	231	P	
2	9393.750	61.67	-16.32	45.35	74.00	-28.65	peak	150	125	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#2

Page: 1

Engineer Signature:

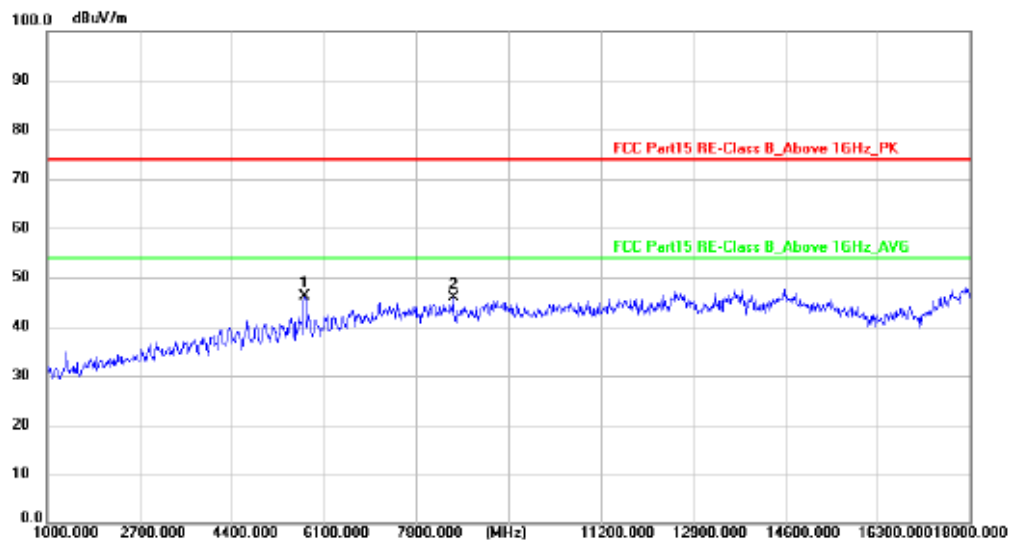


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: <i>Horizontal</i>	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: ANT1 A 5240		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/14 20:37:22



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5743.000	66.38	-20.25	46.13	74.00	-27.87	peak	150	154	P	
2	8486.375	62.48	-16.62	45.86	74.00	-28.14	peak	150	276	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#3

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Engineer Signature:



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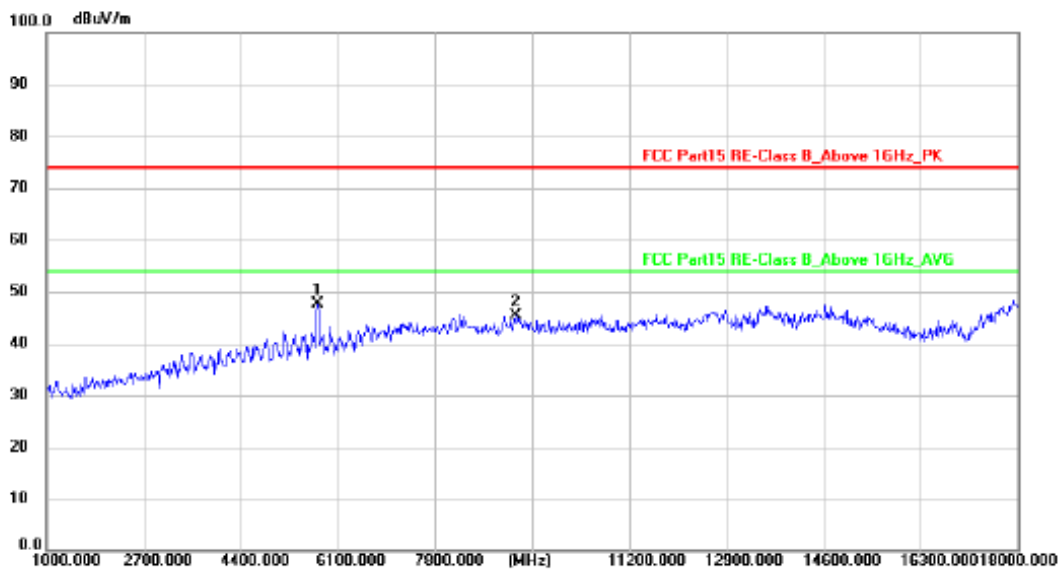
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: ANT1 A 5240
Test Voltage: AC 120V/60Hz
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 20:41:33



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5745.125	67.96	-20.25	47.71	74.00	-26.29	peak	150	109	P	
2	9225.875	61.79	-16.39	45.40	74.00	-28.60	peak	150	276	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#4

Page: 1

Engineer Signature:

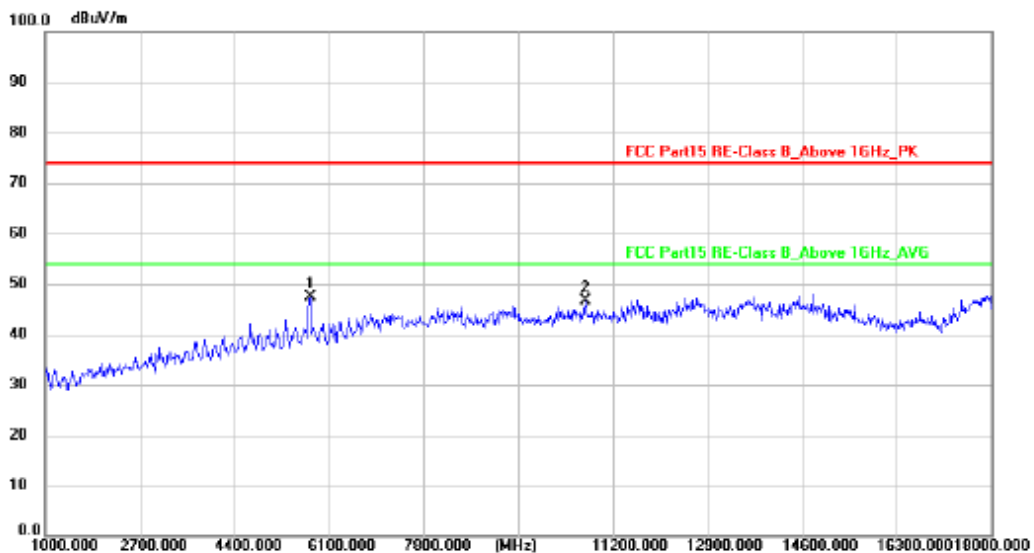


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: N40 5190		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/14 21:06:11



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5764.250	67.63	-20.21	47.42	74.00	-26.58	peak	150	107	P	
2	10713.375	61.92	-15.37	46.55	74.00	-27.45	peak	150	216	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5Data .#9

Page: 1

Engineer Signature:

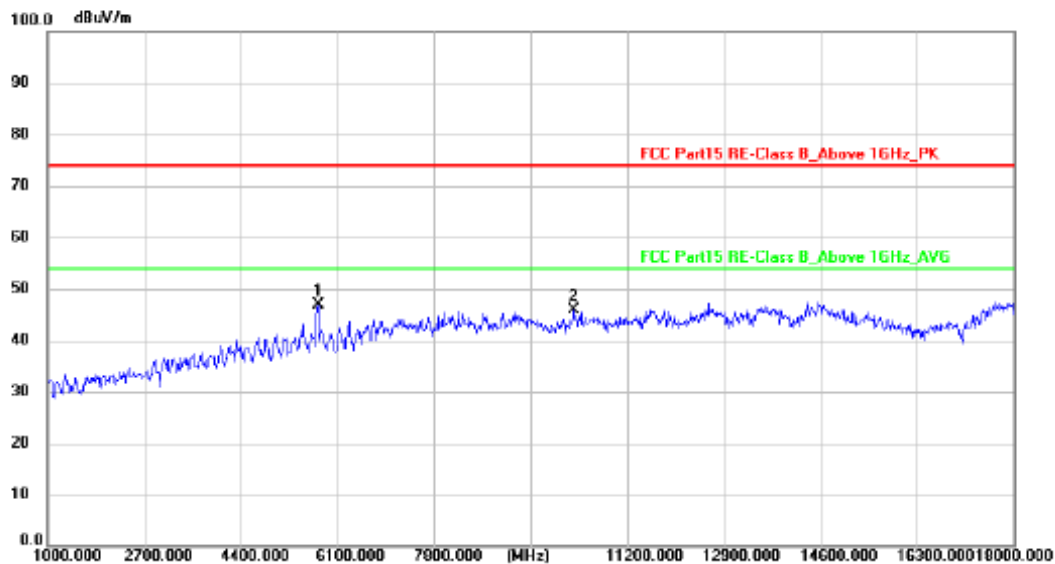


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: N40 5190		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/14 21:11:23



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5770.625	67.07	-20.19	46.88	74.00	-27.12	peak	150	142	P	
2	10265.000	61.70	-15.80	45.90	74.00	-28.10	peak	150	65	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data_#10

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Engineer Signature:



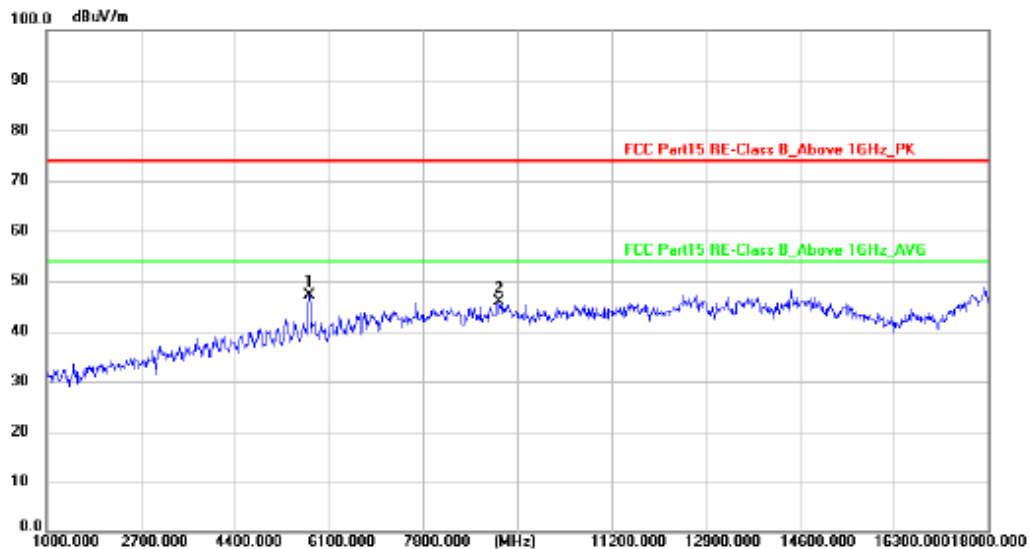
Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: N40 5230
Test Voltage: AC 120V/60Hz
Note:

Polarization: *Horizontal*
Distance: 3m
Test Engineer: Jeffrey
Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 21:16:20



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5749.375	67.49	-20.25	47.24	74.00	-26.76	peak	150	152	P	
2	9183.375	62.24	-16.41	45.83	74.00	-28.17	peak	150	83	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5Data .#11

Page: 1

Engineer Signature:

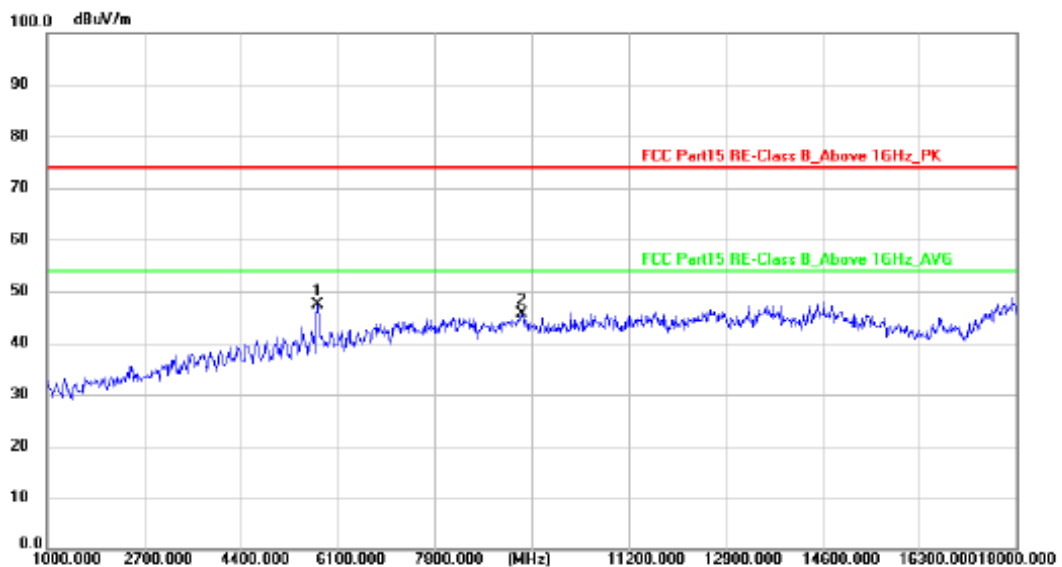


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: N40 5230		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/14 21:21:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5745.125	67.59	-20.25	47.34	74.00	-26.66	peak	150	299	P	
2	9334.250	61.96	-16.34	45.62	74.00	-28.38	peak	150	127	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#12

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Engineer Signature:

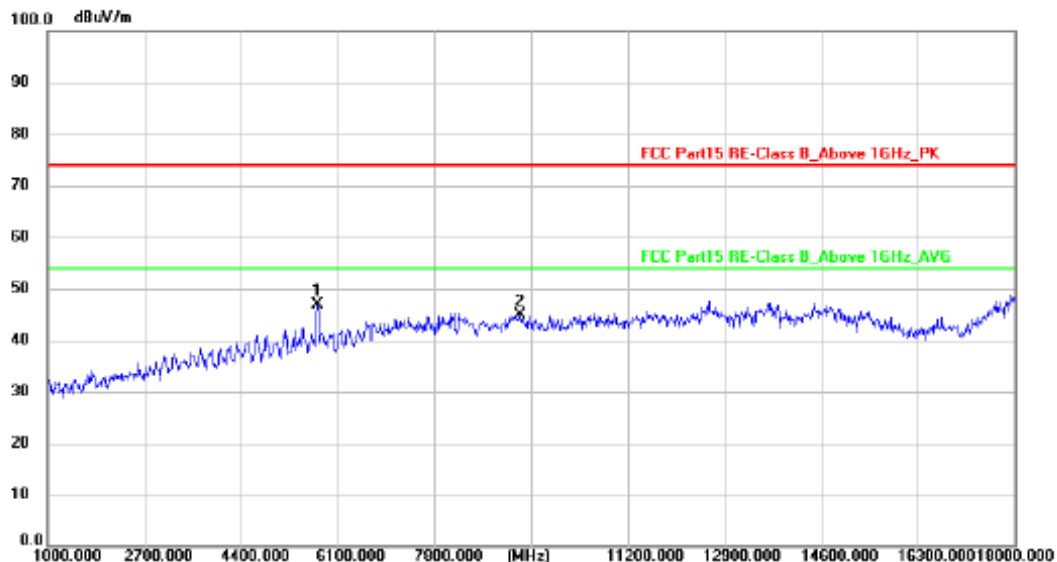


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: <i>Horizontal</i>	Temperature: 26 °C
EUT: 3D Printer	Distance: 3m	Humidity: 54 %RH
M/N: Ceramix-Nano	Test Engineer: Jeffrey	
Test Mode: AC80 5210		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/5/14 21:26:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5749.375	67.16	-20.25	46.91	74.00	-27.09	peak	150	175	P	
2	9317.250	61.24	-16.36	44.88	74.00	-29.12	peak	150	129	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data :#13

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Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
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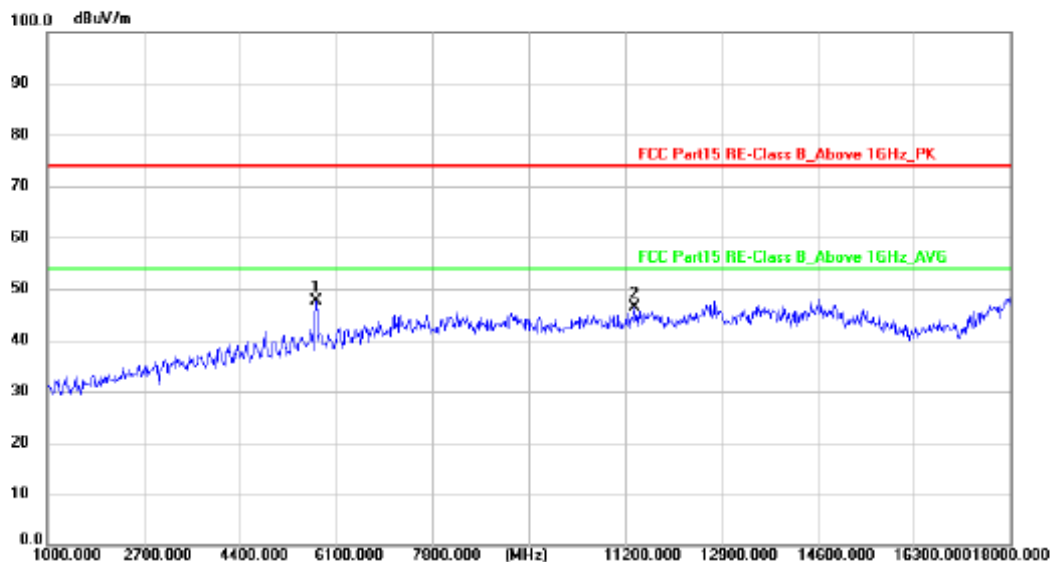
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Printer
M/N: Ceramix-Nano
Test Mode: AC80 5210
Test Voltage: AC 120V/60Hz
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Jeffrey

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/5/14 21:31:21



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5751.500	67.78	-20.23	47.55	74.00	-26.45	peak	150	311	P	
2	11372.125	61.47	-14.98	46.49	74.00	-27.51	peak	150	274	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

File: FCC 5\Data #14

Page: 1

Engineer Signature: