

Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5457.9658	46.56	9.28	55.84	74.00	18.16	150	331	PK	Vertical	PASS
2	5470.009	45.13	9.27	54.40	68.30	13.90	150	0	PK	Vertical	PASS
3	5453.8614	35.73	9.29	45.02	54.00	8.98	150	0	AV	Vertical	PASS
4	5470.009	36.06	9.27	45.33	48.30	2.97	150	346	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

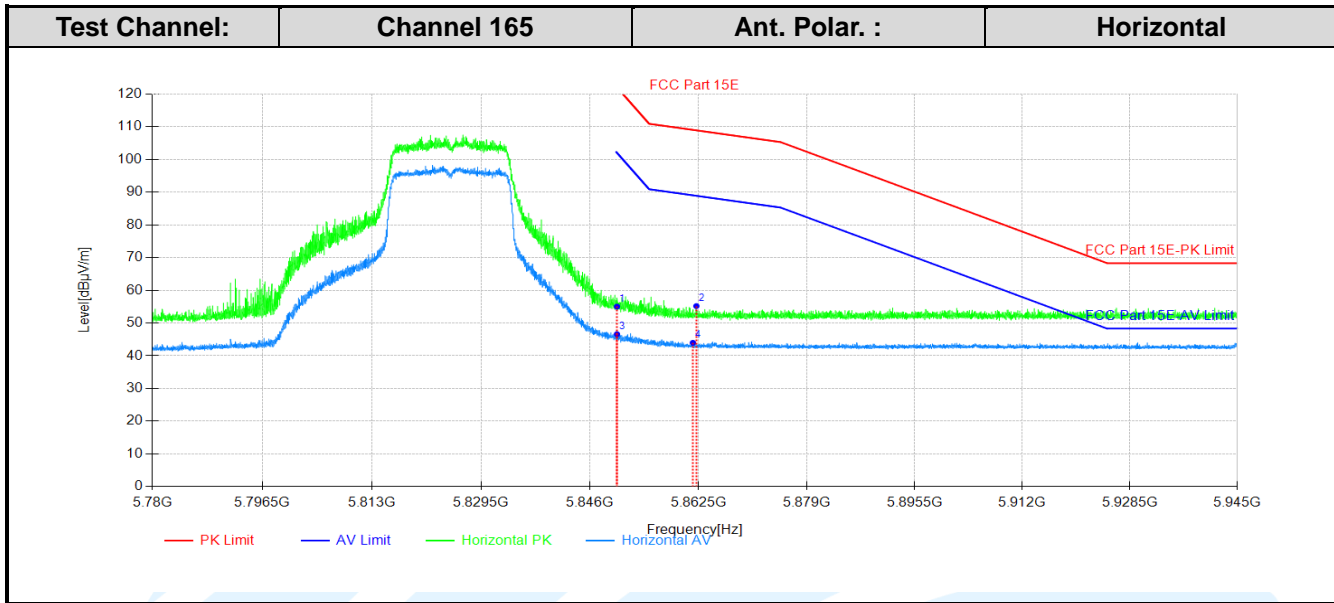
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Fax: +86-755-28230886

E-mail: info@uttlab.com

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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.1155	45.20	9.83	55.03	122.04	67.01	150	97	PK	Horizontal	PASS
2	5862.1782	45.25	9.94	55.19	108.89	53.70	150	341	PK	Horizontal	PASS
3	5850.1155	36.77	9.83	46.60	102.04	55.44	150	81	AV	Horizontal	PASS
4	5861.6502	34.02	9.94	43.96	89.04	45.08	150	348	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

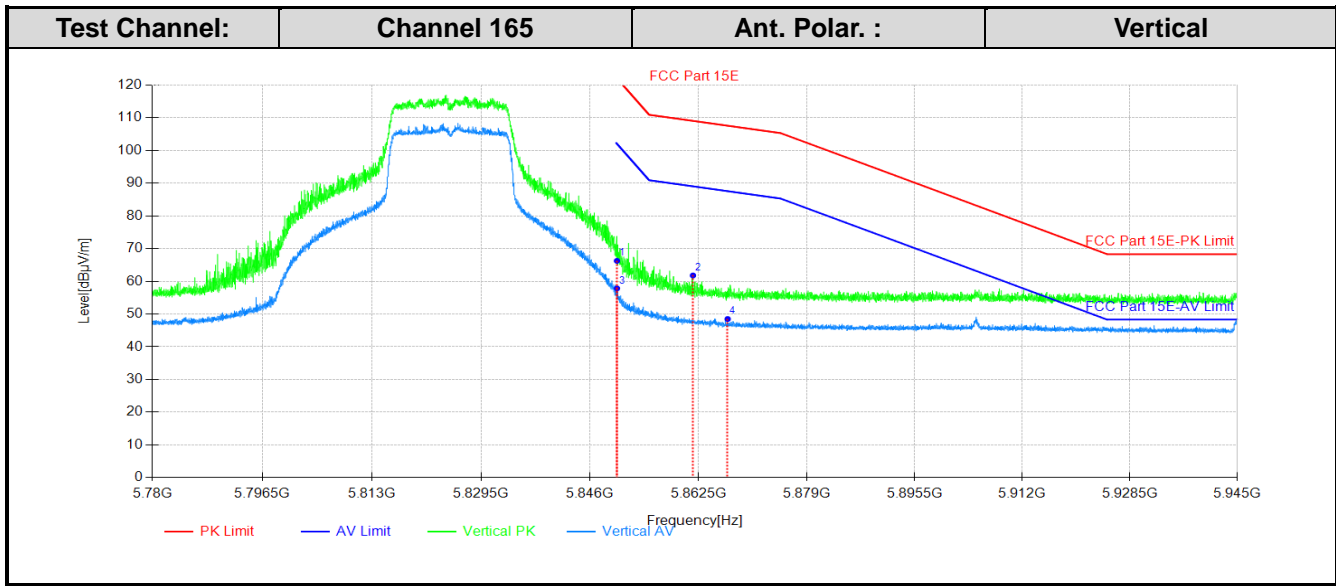
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Data List											
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1	5850.1155	56.43	9.83	66.26	122.04	55.78	150	360	PK	Vertical	PASS
2	5861.6667	51.85	9.94	61.79	109.03	47.24	150	0	PK	Vertical	PASS
3	5850.1155	48.02	9.83	57.85	102.04	44.19	150	0	AV	Vertical	PASS
4	5866.9472	38.54	9.96	48.50	87.55	39.05	150	360	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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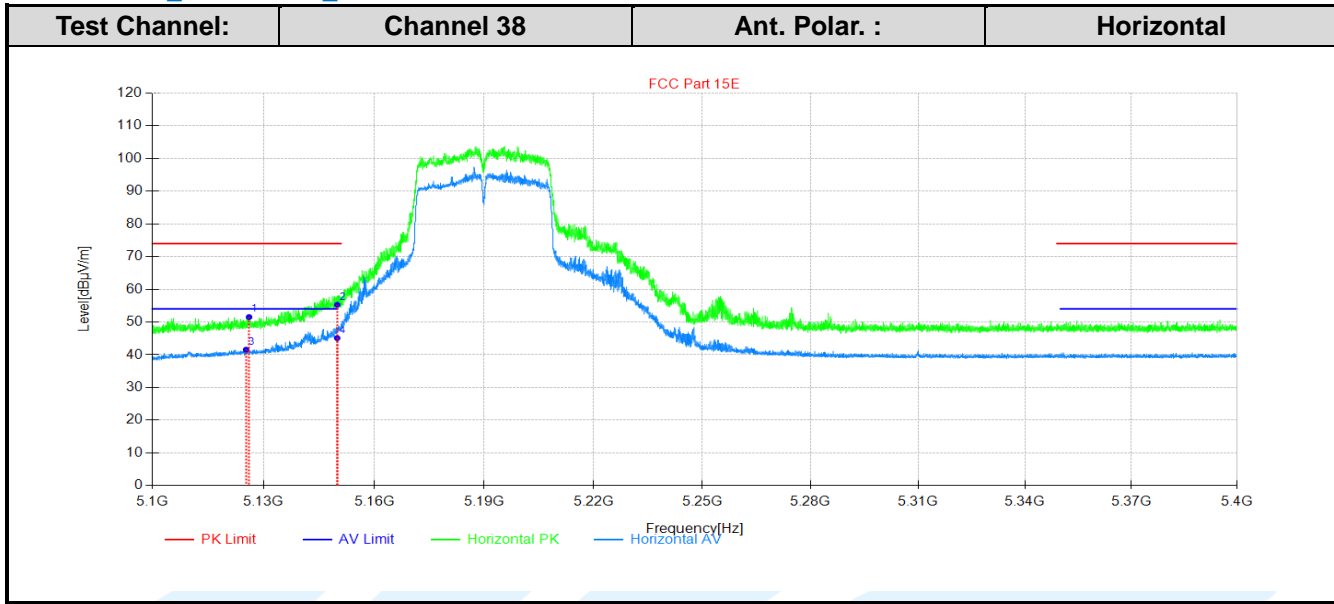
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MIMO_Ant. 0+1+2_ IEEE 802.11n-HT40



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5126.0726	43.26	8.27	51.53	74.00	19.47	150	72	PK	Horizontal	PASS
2	5149.925	46.91	8.38	55.29	74.00	14.22	150	0	PK	Horizontal	PASS
3	5125.2625	33.31	8.26	41.57	54.00	10.43	150	356	AV	Horizontal	PASS
4	5149.925	36.73	8.38	45.11	54.00	4.22	150	0	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

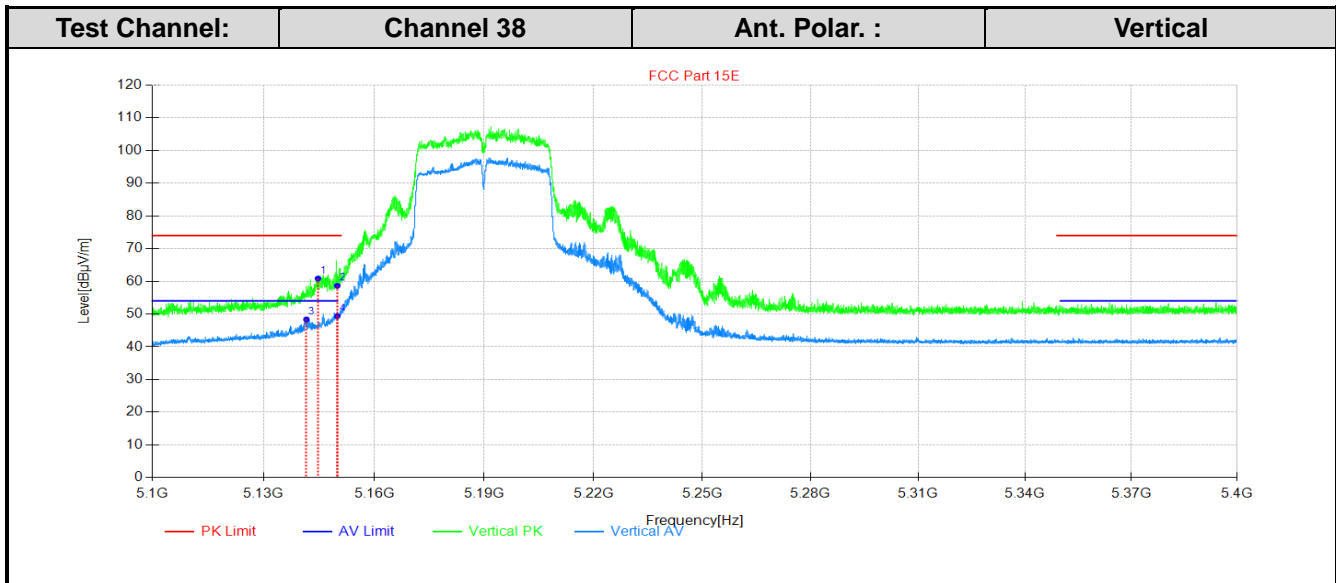
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5144.7045	52.46	8.40	60.86	74.00	13.14	150	78	PK	Vertical	PASS
2	5149.955	50.27	8.38	58.65	74.00	15.35	150	359	PK	Vertical	PASS
3	5141.5842	39.99	8.38	48.37	54.00	5.63	150	360	AV	Vertical	PASS
4	5149.955	41.01	8.38	49.39	54.00	4.61	150	360	AV	Vertical	PASS

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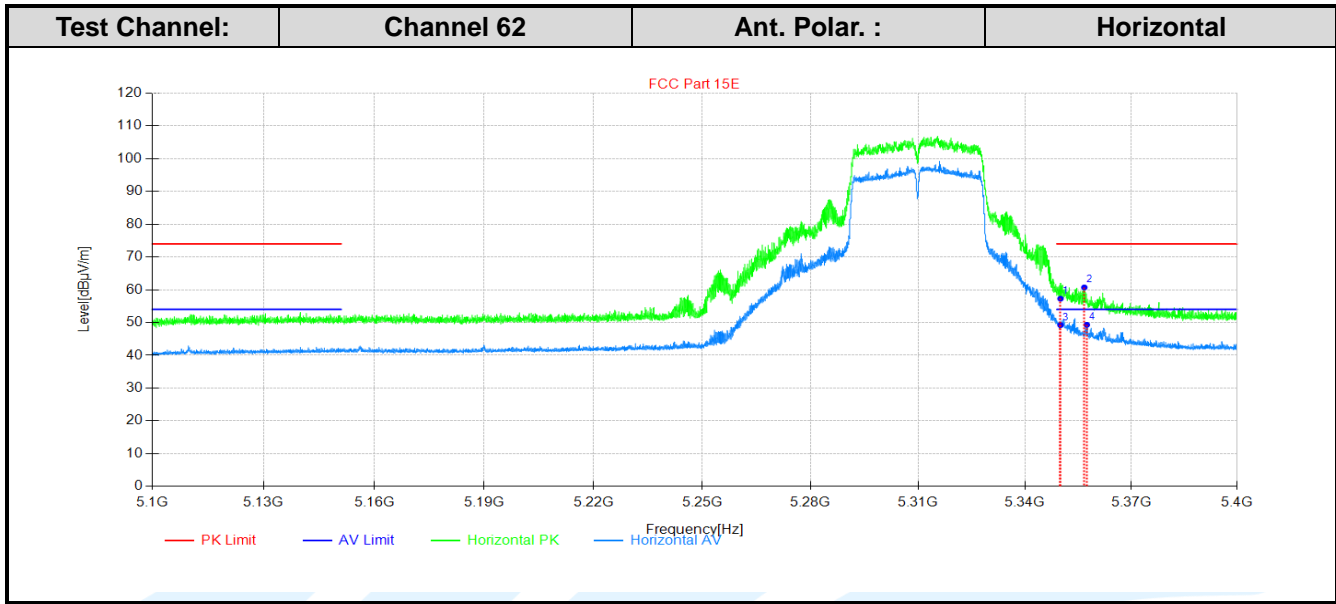
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Data List											
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1	5350.015	48.54	8.74	57.28	74.00	16.72	150	331	PK	Horizontal	PASS
2	5356.7357	52.01	8.71	60.72	74.00	13.28	150	47	PK	Horizontal	PASS
3	5350.015	40.50	8.74	49.24	54.00	4.76	150	113	AV	Horizontal	PASS
4	5357.4257	40.60	8.71	49.31	54.00	4.69	150	323	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

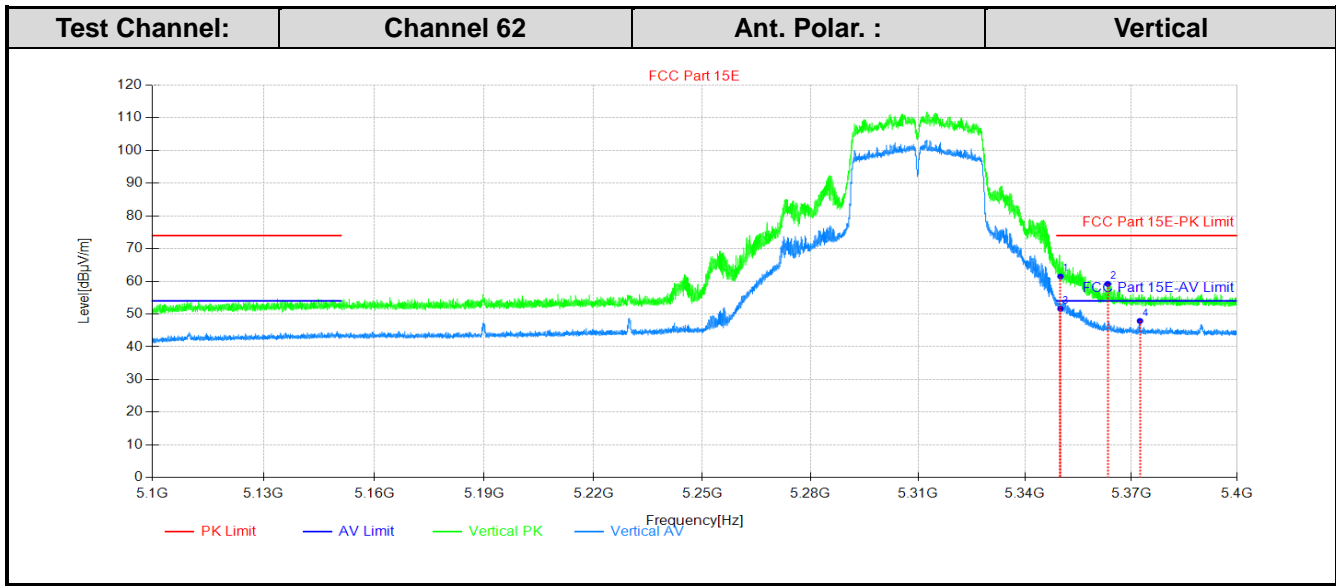
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5350.015	52.76	8.74	61.50	74.00	12.50	150	192	PK	Vertical	PASS
2	5363.3363	50.47	8.76	59.23	74.00	14.77	150	151	PK	Vertical	PASS
3	5350.015	42.88	8.74	51.62	54.00	2.38	150	183	AV	Vertical	PASS
4	5372.4572	39.10	8.80	47.90	54.00	6.10	150	192	AV	Vertical	PASS

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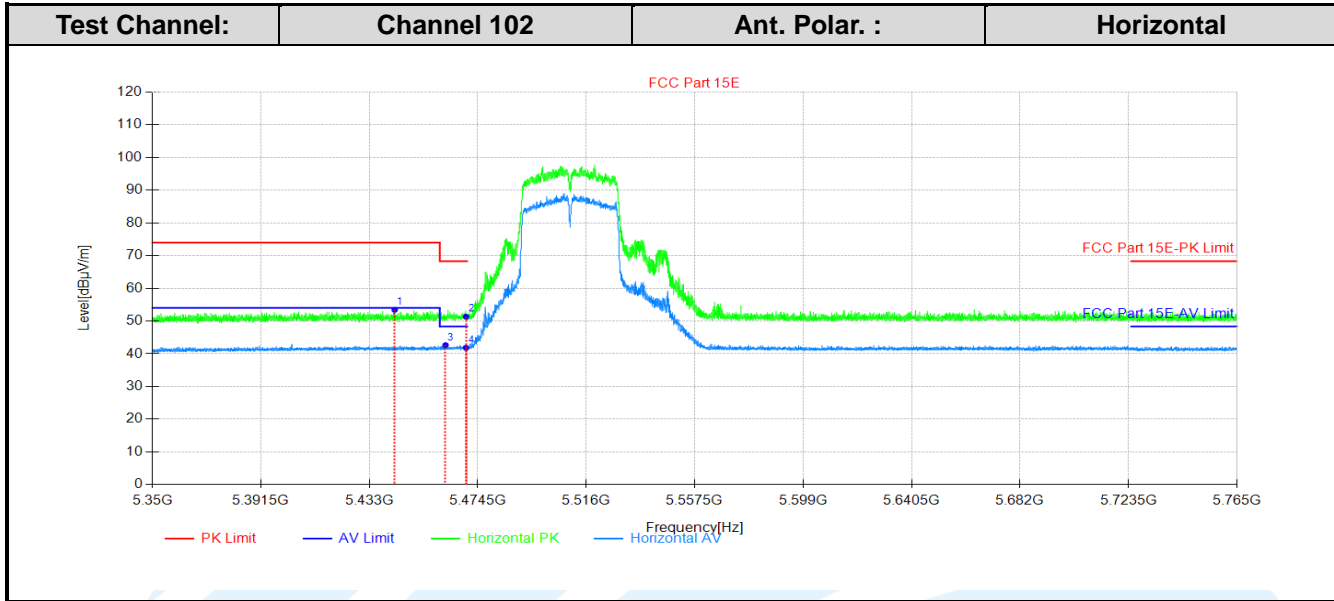
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5442.7203	44.13	9.31	53.44	74.00	20.56	150	75	PK	Horizontal	PASS
2	5470.03	42.05	9.27	51.32	68.30	16.98	150	145	PK	Horizontal	PASS
3	5462.1857	33.39	9.26	42.65	48.30	5.65	150	138	AV	Horizontal	PASS
4	5470.03	32.54	9.27	41.81	48.30	6.49	150	82	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

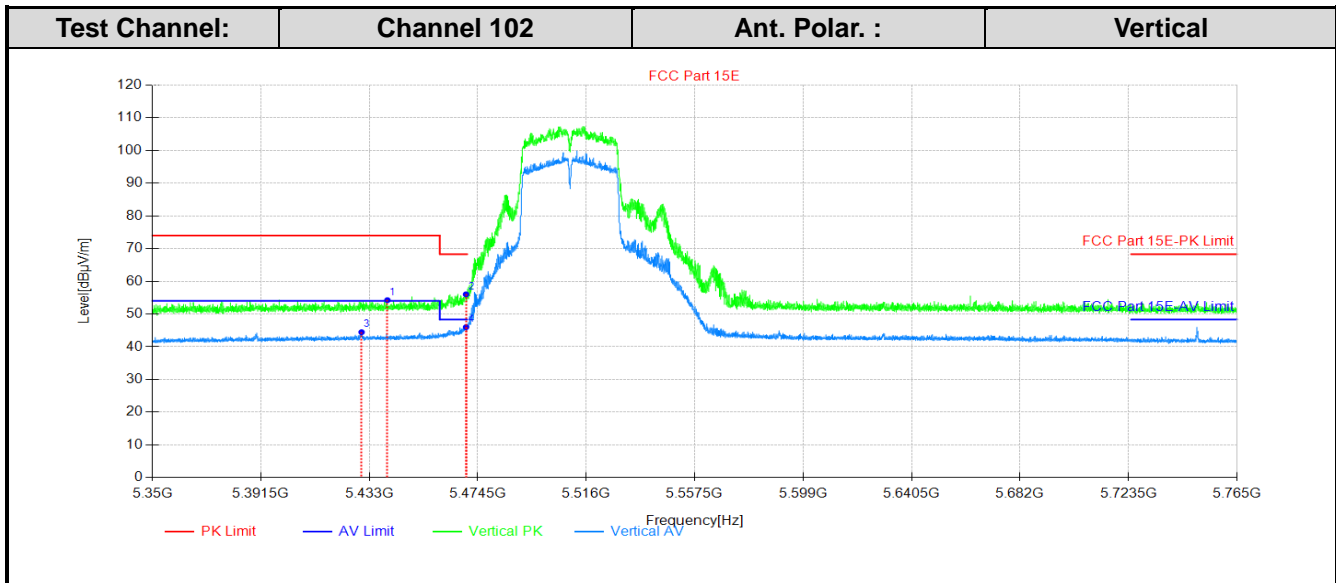
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5439.9395	44.95	9.30	54.25	74.00	19.75	150	10	PK	Vertical	PASS
2	5470.03	46.76	9.27	56.03	68.30	12.27	150	172	PK	Vertical	PASS
3	5430.0615	35.24	9.23	44.47	54.00	9.53	150	179	AV	Vertical	PASS
4	5470.03	36.73	9.27	46.00	48.30	2.30	150	179	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

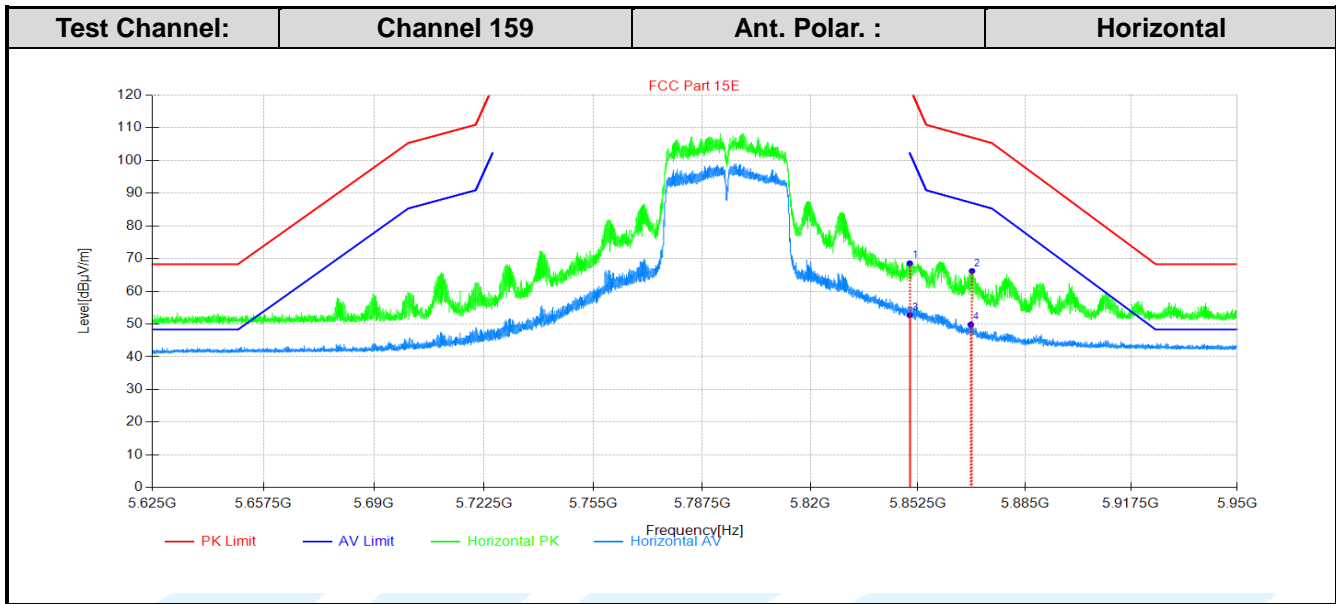
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.02	58.72	9.83	68.55	122.25	53.70	150	321	PK	Horizontal	PASS
2	5868.9044	56.21	10.00	66.21	107.01	40.80	150	329	PK	Horizontal	PASS
3	5850.02	42.86	9.83	52.69	102.25	49.56	150	62	AV	Horizontal	PASS
4	5868.5469	39.82	10.00	49.82	87.11	37.29	150	329	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

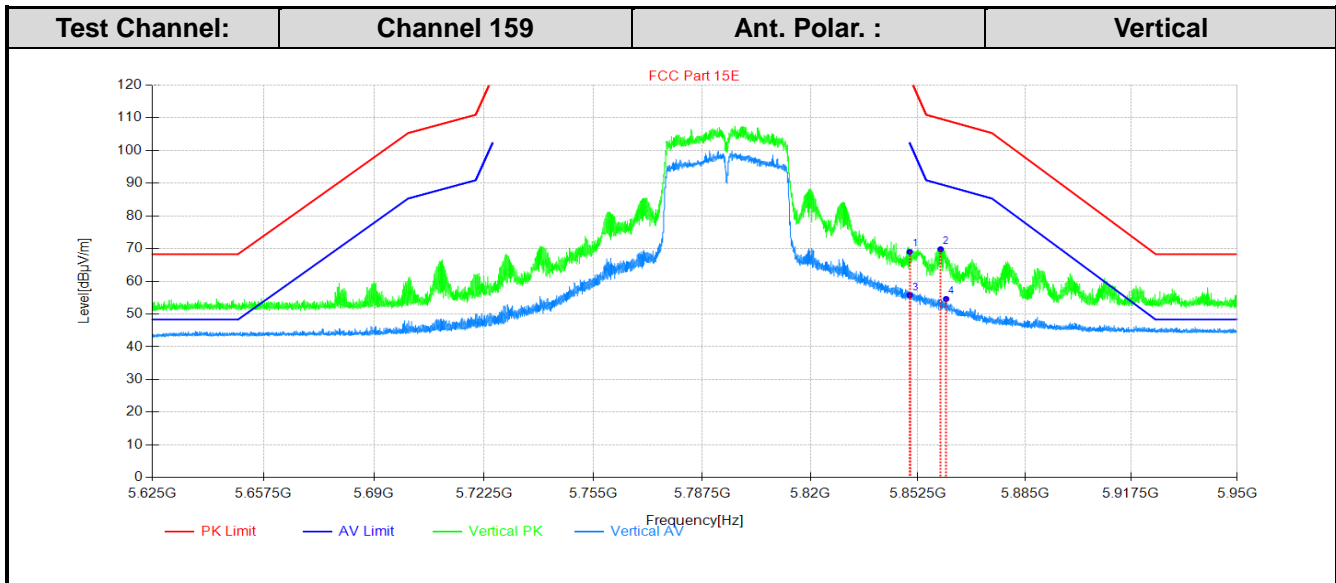
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.02	59.19	9.83	69.02	122.25	53.23	150	330	PK	Vertical	PASS
2	5859.3809	59.91	9.92	69.83	109.67	39.84	150	330	PK	Vertical	PASS
3	5850.02	45.94	9.83	55.77	102.25	46.48	150	71	AV	Vertical	PASS
4	5861.0386	44.69	9.94	54.63	89.21	34.58	150	71	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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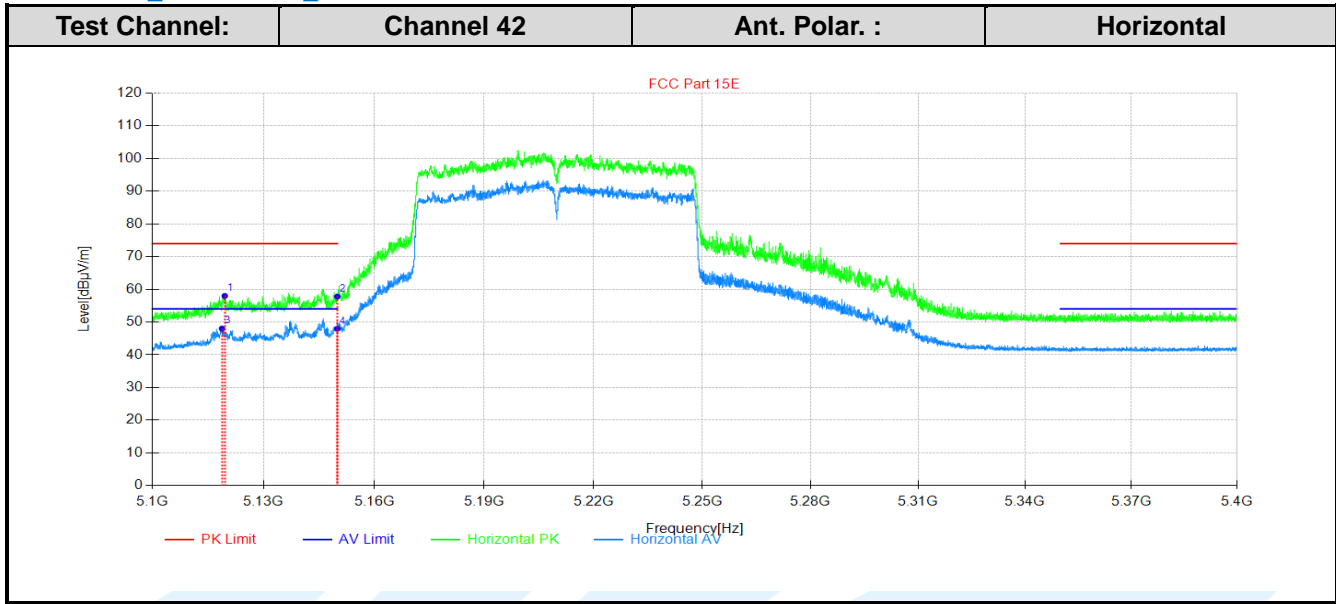
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UTTR-RF-EN300328-V1.2

MIMO_Ant. 0+1+2_ IEEE 802.11ac-VHT80



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5119.502	49.74	8.25	57.99	74.00	16.01	150	0	PK	Horizontal	PASS
2	5149.955	49.41	8.38	57.79	74.00	16.21	150	64	PK	Horizontal	PASS
3	5118.7519	39.78	8.24	48.02	54.00	5.98	150	360	AV	Horizontal	PASS
4	5149.955	39.57	8.38	47.95	54.00	6.05	150	0	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

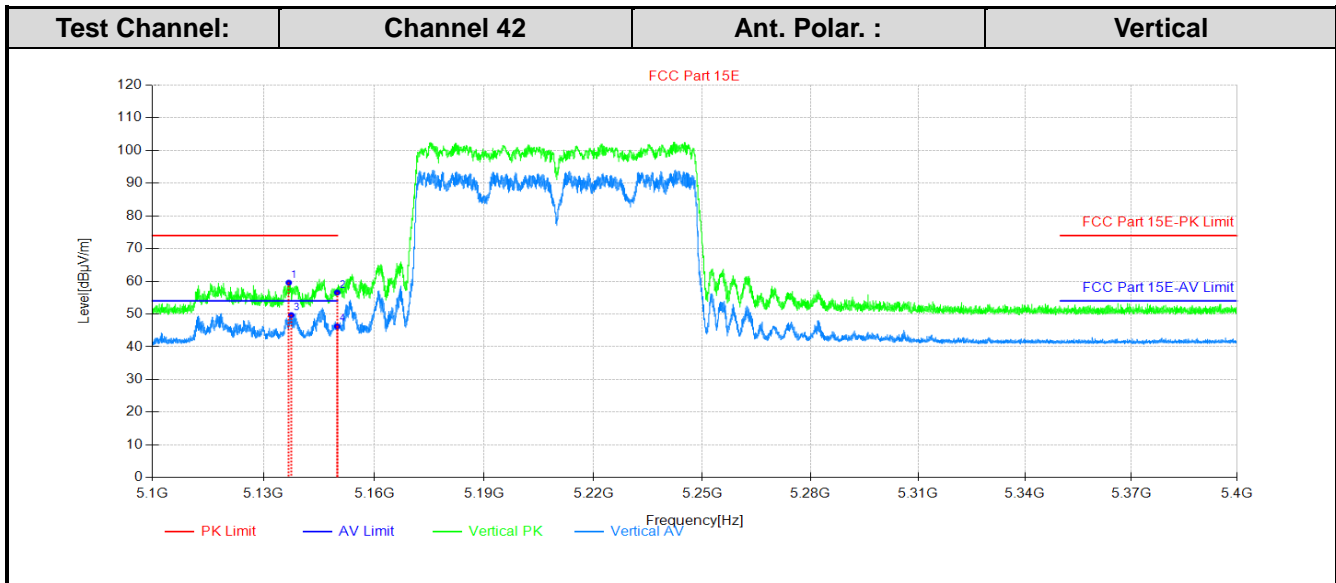
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Data List											
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1	5136.8137	51.27	8.33	59.60	74.00	14.40	150	157	PK	Vertical	PASS
2	5149.925	48.21	8.38	56.59	74.00	17.41	150	181	PK	Vertical	PASS
3	5137.4737	41.34	8.34	49.68	54.00	4.32	150	148	AV	Vertical	PASS
4	5149.925	37.87	8.38	46.25	54.00	7.75	150	204	AV	Vertical	PASS

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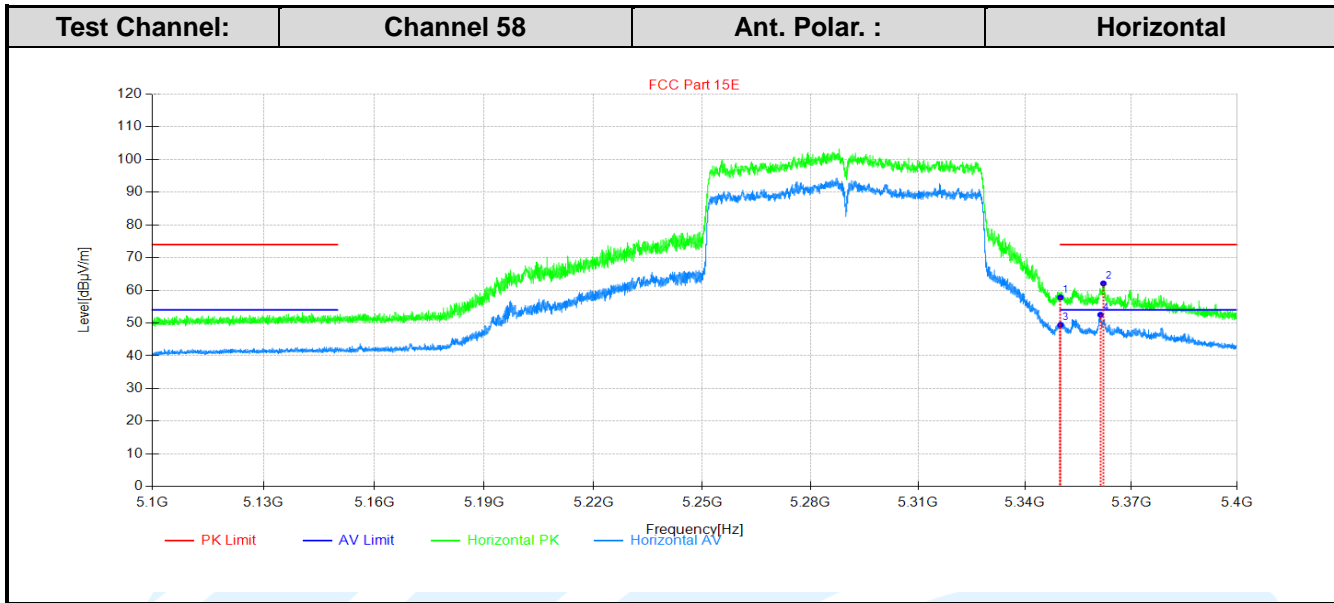
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1	5350.015	49.10	8.74	57.84	74.00	16.16	150	64	PK	Horizontal	PASS
2	5362.1062	53.36	8.75	62.11	74.00	11.89	150	355	PK	Horizontal	PASS
3	5350.015	40.69	8.74	49.43	54.00	4.57	150	114	AV	Horizontal	PASS
4	5361.2961	43.78	8.75	52.53	54.00	1.47	150	355	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

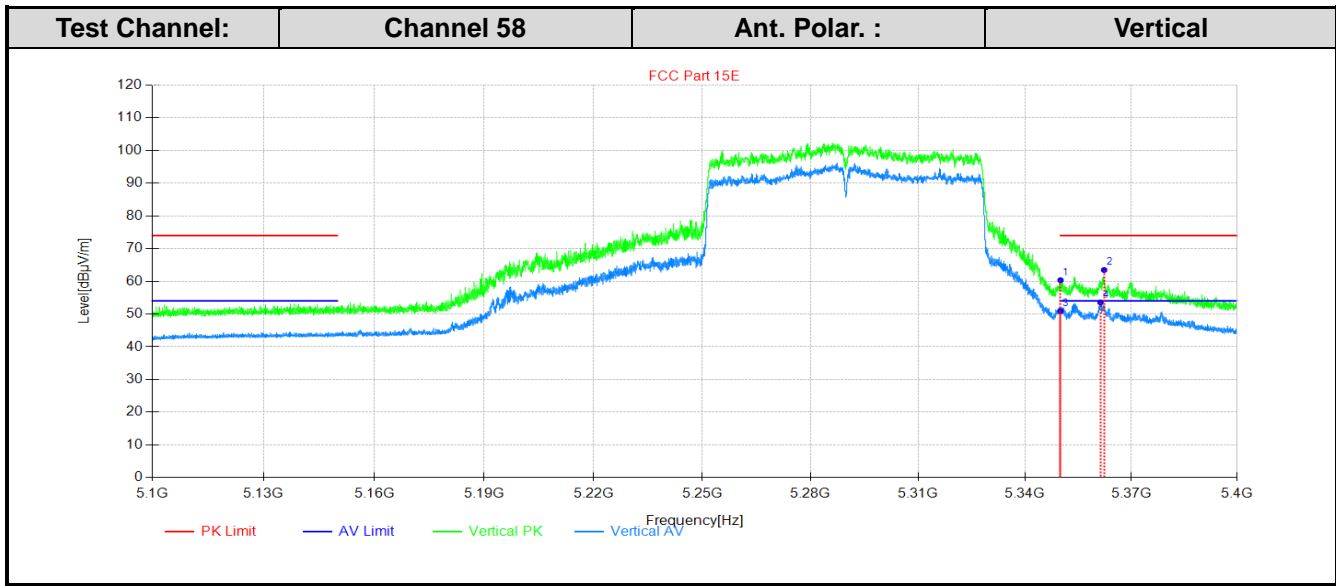
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1	5350.015	51.62	8.74	60.36	74.00	13.64	150	57	PK	Vertical	PASS
2	5362.3162	54.73	8.75	63.48	74.00	10.52	150	354	PK	Vertical	PASS
3	5350.015	42.14	8.74	50.88	54.00	3.12	150	67	AV	Vertical	PASS
4	5361.2961	44.80	8.75	53.55	54.00	0.45	150	360	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

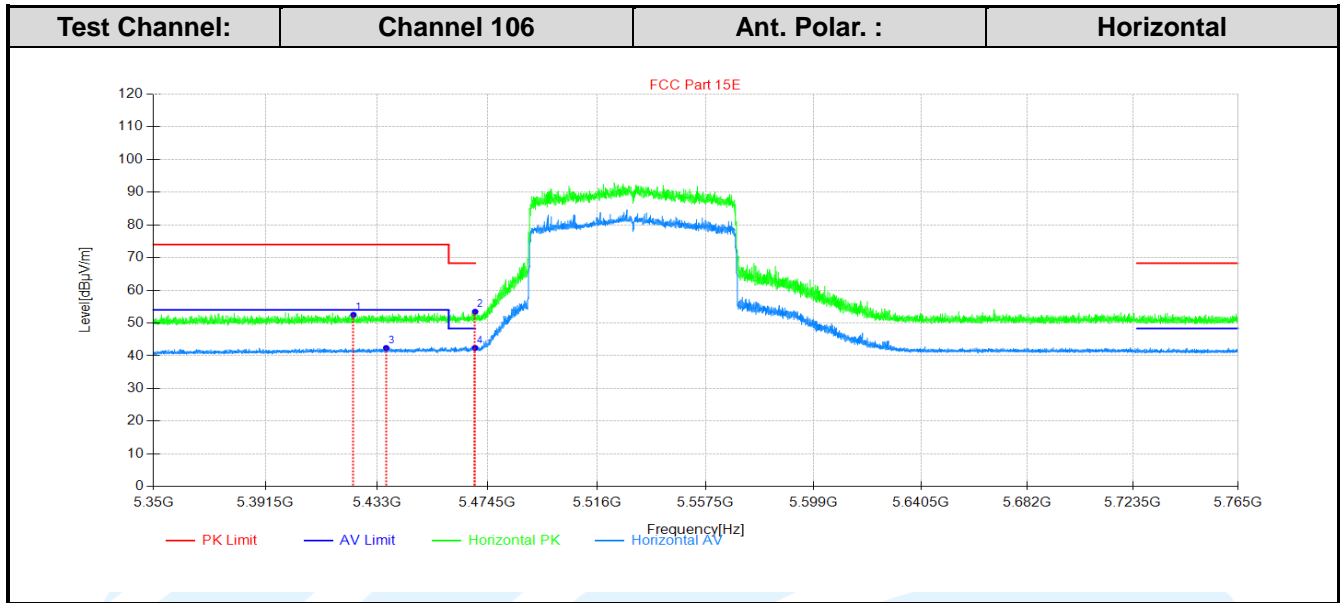
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1	5424.2509	43.37	9.16	52.53	74.00	21.47	150	314	PK	Horizontal	PASS
2	5469.9055	44.21	9.27	53.48	68.30	14.82	150	170	PK	Horizontal	PASS
3	5436.4946	33.12	9.27	42.39	54.00	11.61	150	291	AV	Horizontal	PASS
4	5469.9055	33.13	9.27	42.40	48.30	5.90	150	154	AV	Horizontal	PASS

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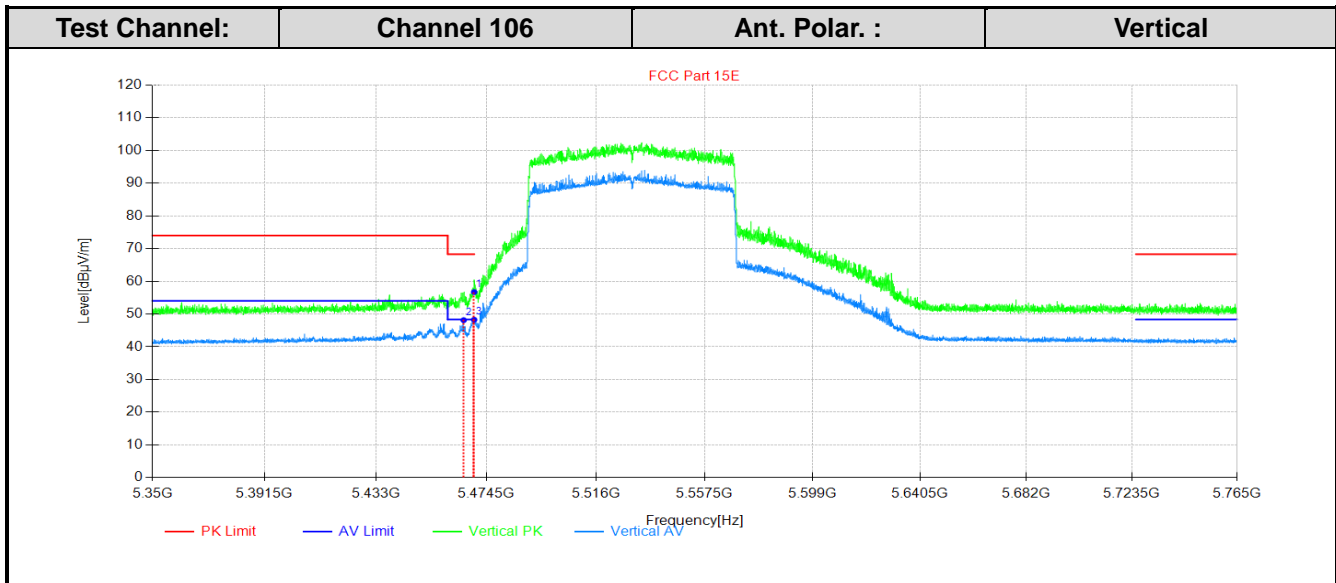
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1	5469.9055	47.44	9.27	56.71	68.30	11.59	150	176	PK	Vertical	PASS
2	5465.9626	38.88	9.27	48.15	48.30	0.15	150	144	AV	Vertical	PASS
3	5469.9055	39.00	9.27	48.27	48.30	0.03	150	176	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

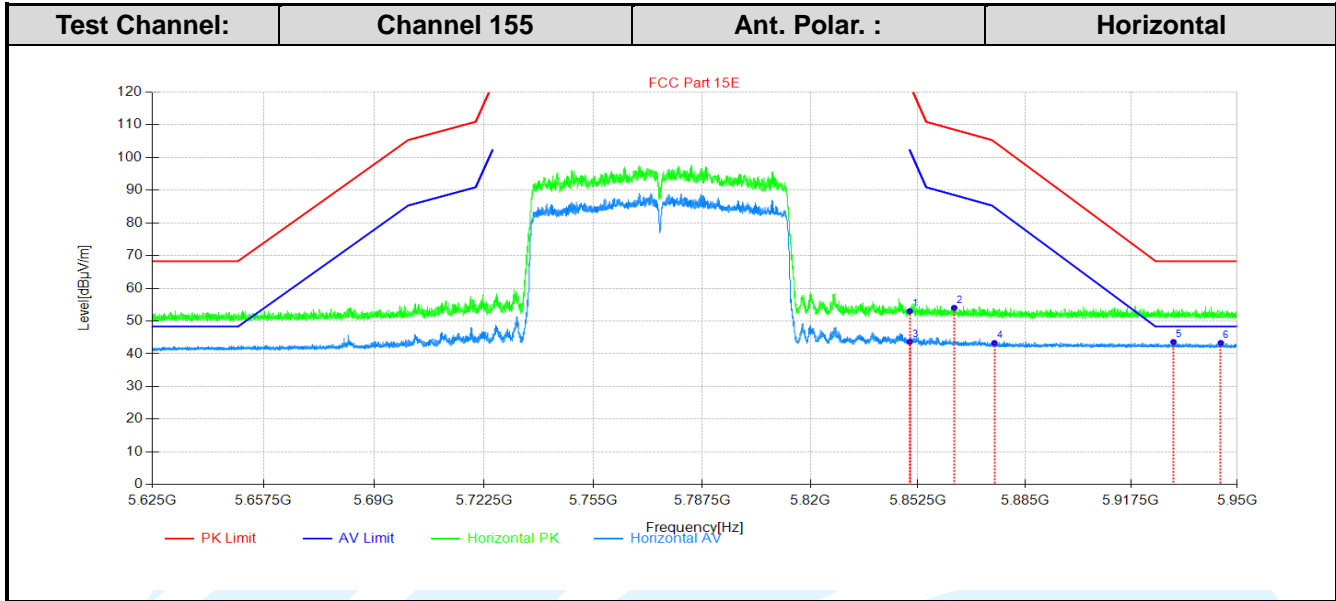
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1	5850.02	43.20	9.83	53.03	122.25	69.22	150	153	PK	Horizontal	PASS
2	5863.5089	44.11	9.94	54.05	108.52	54.47	150	259	PK	Horizontal	PASS
3	5850.02	33.80	9.83	43.63	102.25	58.62	150	250	AV	Horizontal	PASS
4	5875.7301	33.21	10.11	43.32	84.76	41.44	150	243	AV	Horizontal	PASS
5	5930.4655	33.65	9.97	43.62	48.30	4.68	150	21	AV	Horizontal	PASS
6	5945.027	33.41	9.92	43.33	48.30	4.97	150	81	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

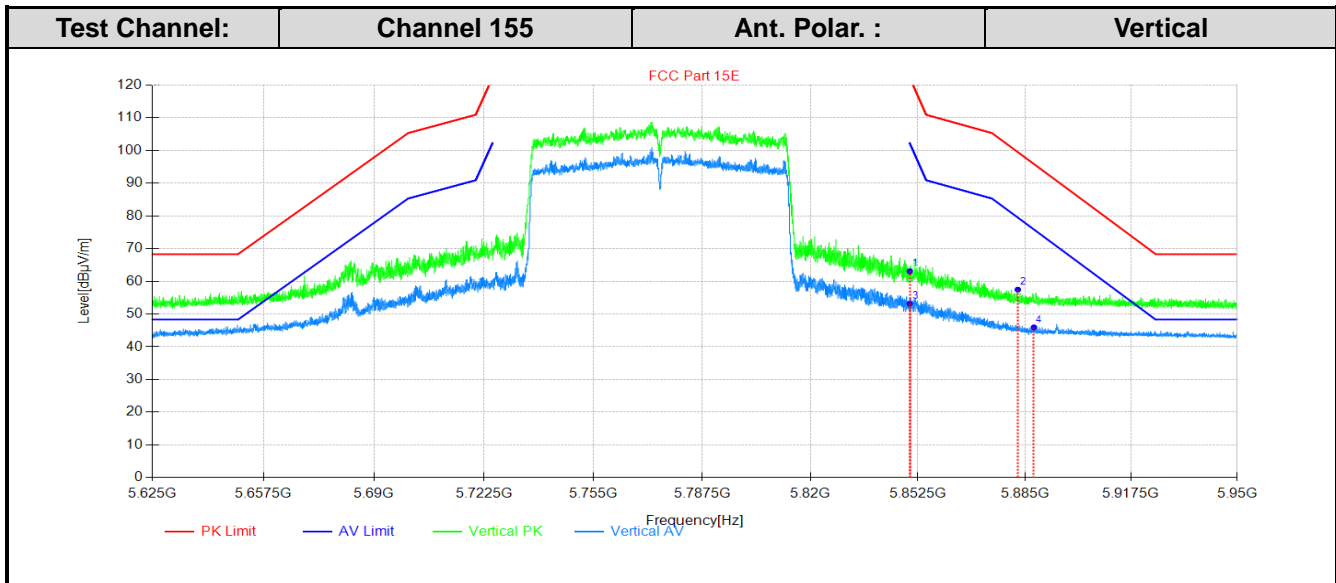
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1	5850.02	53.24	9.83	63.07	122.25	59.18	150	180	PK	Vertical	PASS
2	5882.8483	47.38	10.10	57.48	99.49	42.01	150	180	PK	Vertical	PASS
3	5850.02	43.39	9.83	53.22	102.25	49.03	150	173	AV	Vertical	PASS
4	5887.7563	35.88	10.07	45.95	75.86	29.91	150	173	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

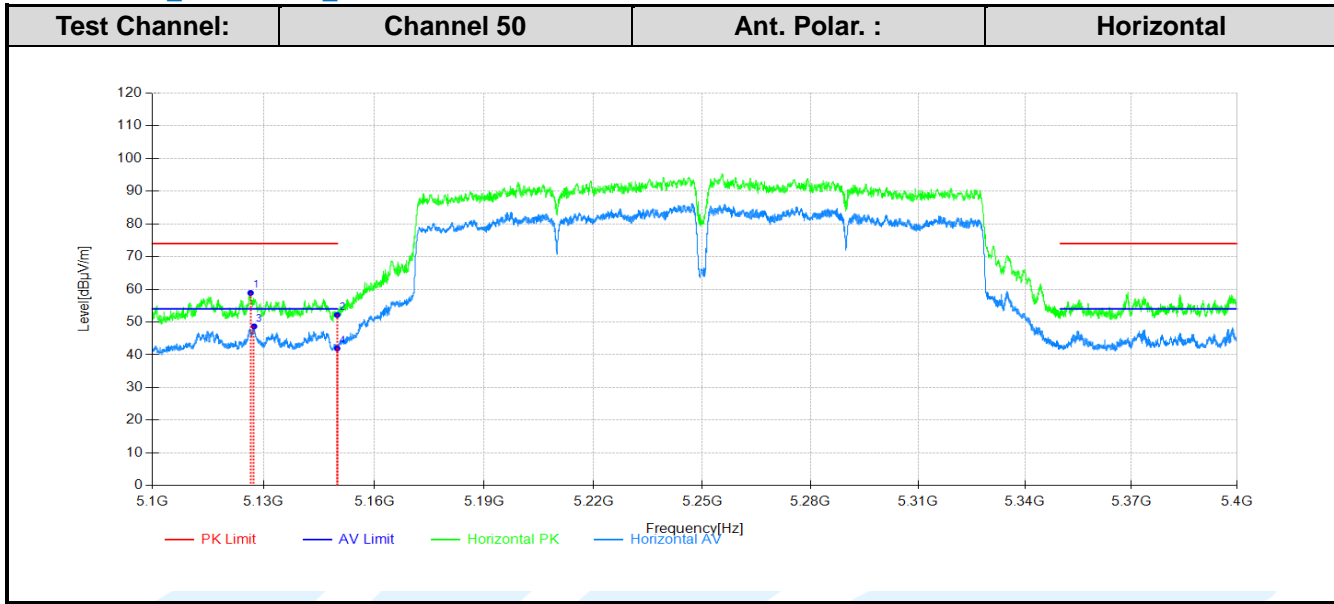
Fax: +86-755-28230886

E-mail: info@uttlab.com

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UTTR-RF-EN300328-V1.2

MIMO_Ant. 0+1+2_ IEEE 802.11ac-VHT160



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5126.4783	50.64	8.27	58.91	74.00	15.09	150	68	PK	Horizontal	PASS
2	5149.9187	43.81	8.38	52.19	74.00	21.81	150	279	PK	Horizontal	PASS
3	5127.4159	40.42	8.27	48.69	54.00	5.31	150	59	AV	Horizontal	PASS
4	5149.9187	33.57	8.38	41.95	54.00	12.05	150	52	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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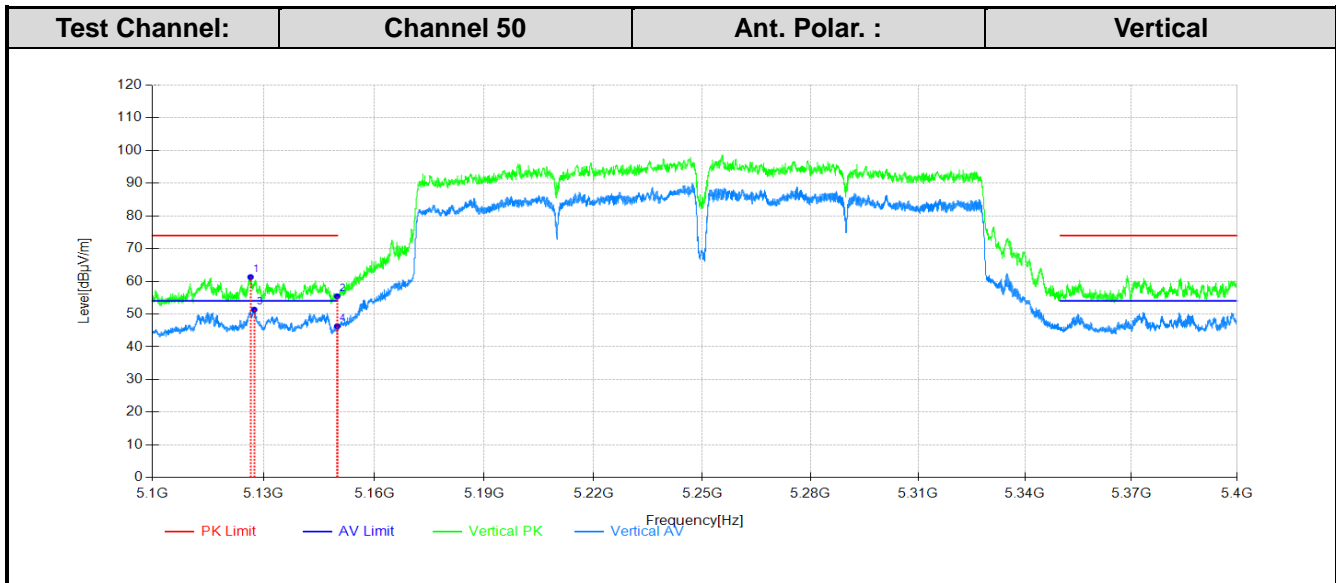
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UTTR-RF-EN300328-V1.2



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5126.4783	53.04	8.27	61.31	74.00	12.69	150	58	PK	Vertical	PASS
2	5149.9187	47.05	8.38	55.43	74.00	18.57	150	3	PK	Vertical	PASS
3	5127.4534	43.09	8.27	51.36	54.00	2.64	150	65	AV	Vertical	PASS
4	5149.9187	37.91	8.38	46.29	54.00	7.71	150	65	AV	Vertical	PASS

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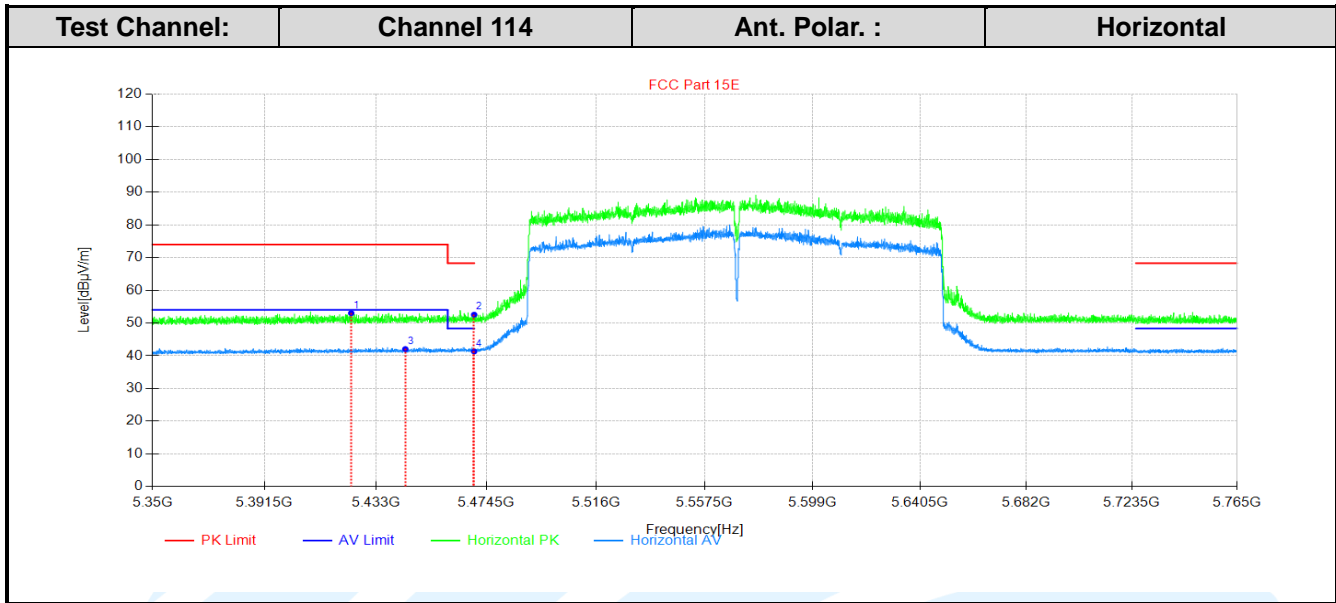
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UTTR-RF-EN300328-V1.2



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5423.7944	43.88	9.15	53.03	74.00	20.97	150	200	PK	Horizontal	PASS
2	5469.9055	43.30	9.27	52.57	68.30	15.73	150	114	PK	Horizontal	PASS
3	5444.0484	32.76	9.30	42.06	54.00	11.94	150	242	AV	Horizontal	PASS
4	5469.9055	32.05	9.27	41.32	48.30	6.98	150	34	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

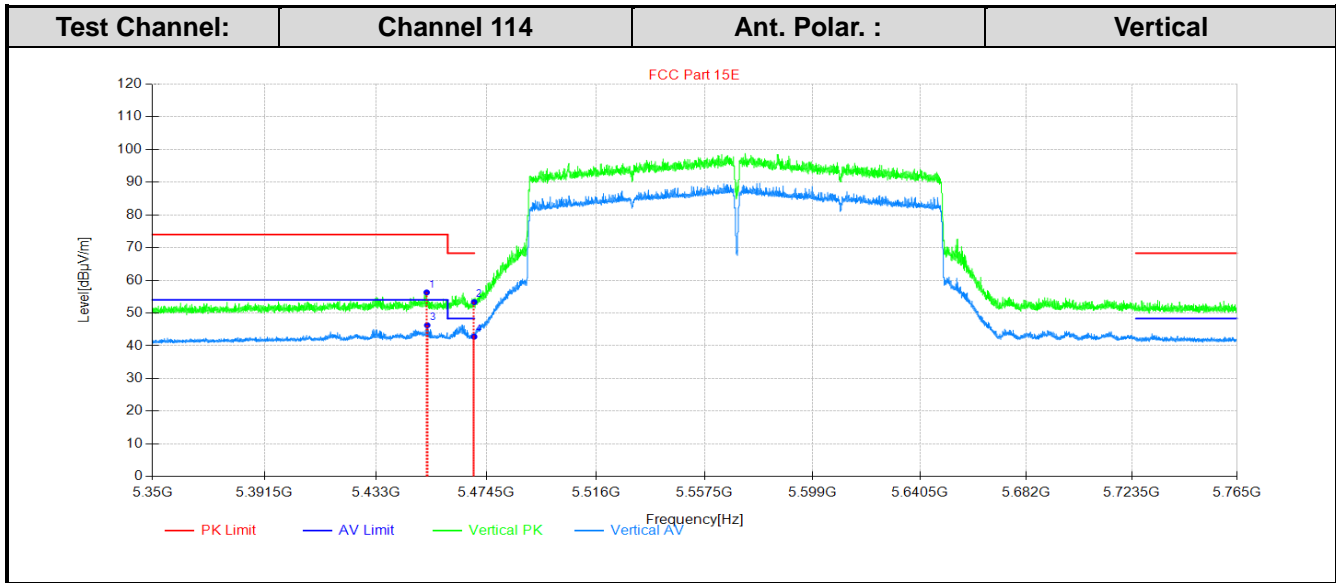
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Data List											
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1	5452.0587	47.01	9.30	56.31	74.00	17.69	150	360	PK	Vertical	PASS
2	5469.9055	44.09	9.27	53.36	68.30	14.94	150	188	PK	Vertical	PASS
3	5452.2662	36.98	9.29	46.27	54.00	7.73	150	195	AV	Vertical	PASS
4	5469.9055	33.51	9.27	42.78	48.30	5.52	150	173	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

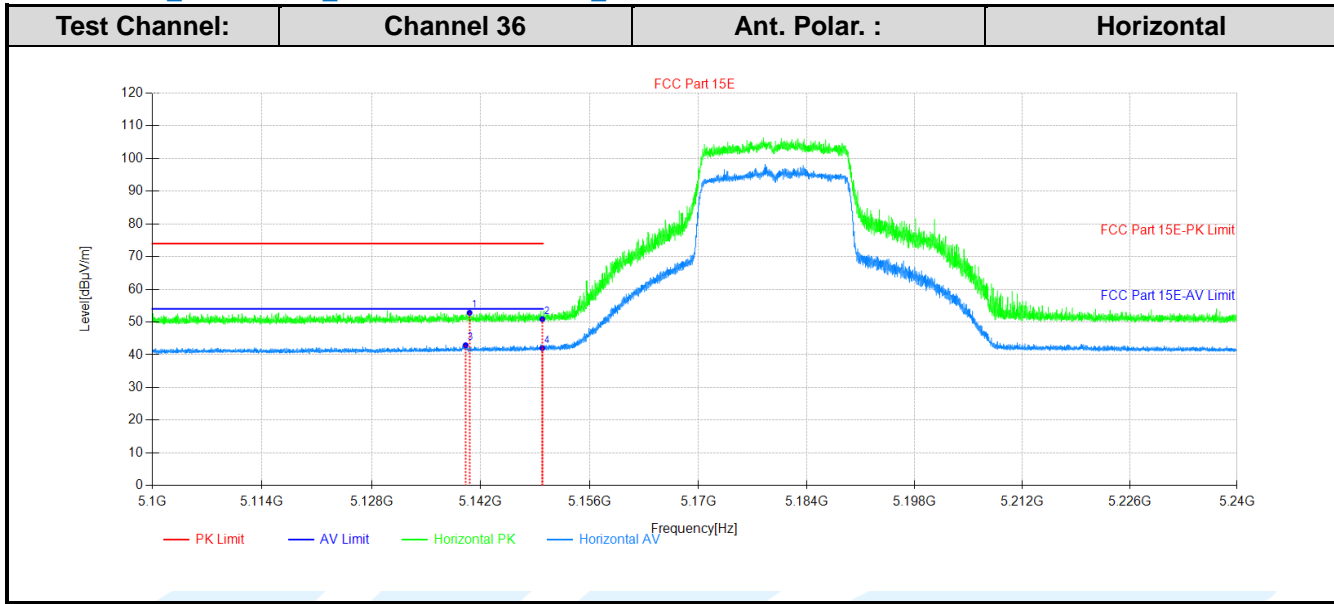
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UTTR-RF-EN300328-V1.2

MIMO_Ant. 0+1+2_ IEEE 802.11ax-HE20_SU



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5140.5621	44.47	8.37	52.84	74.00	21.16	150	323	PK	Horizontal	PASS
2	5149.901	42.52	8.38	50.90	74.00	23.10	150	204	PK	Horizontal	PASS
3	5140.058	34.57	8.36	42.93	54.00	11.07	150	69	AV	Horizontal	PASS
4	5149.901	33.67	8.38	42.05	54.00	11.95	150	291	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

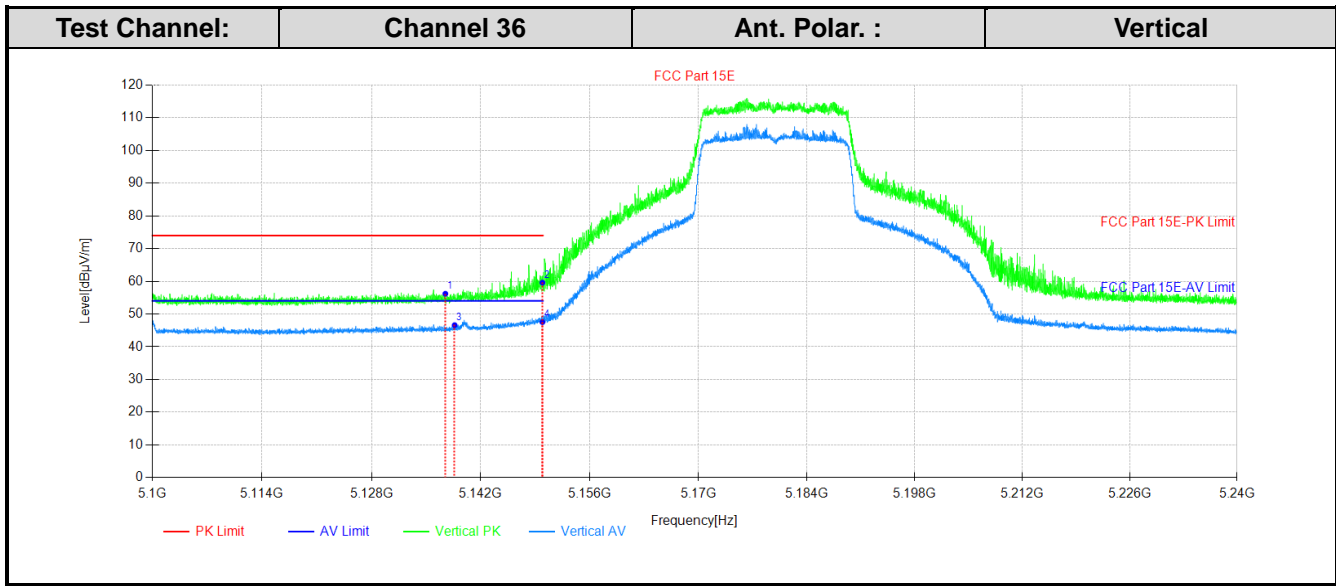
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5137.4537	47.87	8.34	56.21	74.00	17.79	150	31	PK	Vertical	PASS
2	5149.915	51.23	8.38	59.61	74.00	14.39	150	330	PK	Vertical	PASS
3	5138.6439	38.26	8.35	46.61	54.00	7.39	150	31	AV	Vertical	PASS
4	5149.915	39.16	8.38	47.54	54.00	6.46	150	16	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

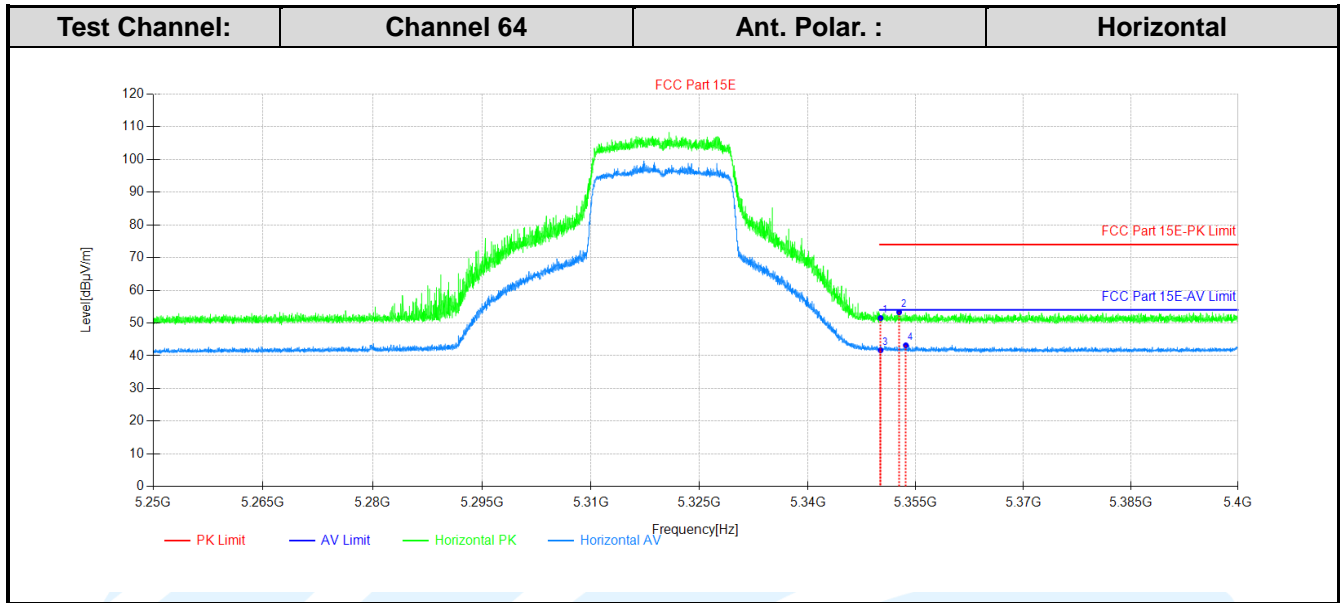
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5350.105	42.81	8.74	51.55	74.00	22.45	150	58	PK	Horizontal	PASS
2	5352.6853	44.59	8.73	53.32	74.00	20.68	150	20	PK	Horizontal	PASS
3	5350.105	32.94	8.74	41.68	54.00	12.32	150	75	AV	Horizontal	PASS
4	5353.6154	34.49	8.72	43.21	54.00	10.79	150	12	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

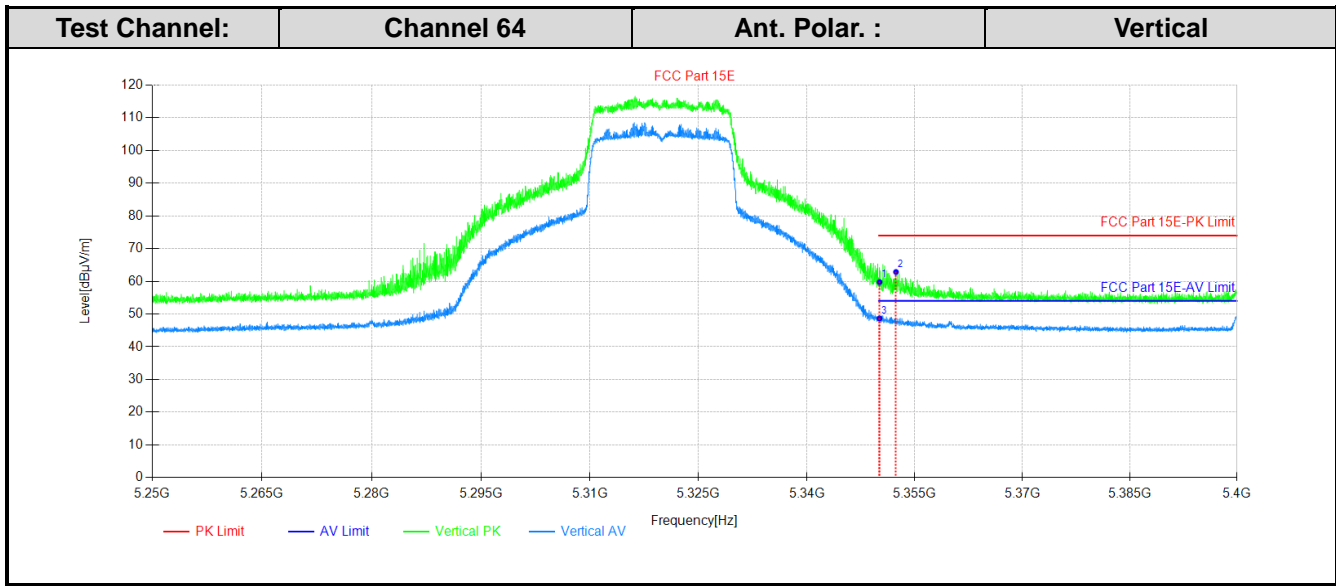
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5350.105	51.04	8.74	59.78	74.00	14.22	150	338	PK	Vertical	PASS
2	5352.3852	54.13	8.73	62.86	74.00	11.14	150	338	PK	Vertical	PASS
3	5350.105	39.93	8.74	48.67	54.00	5.33	150	338	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

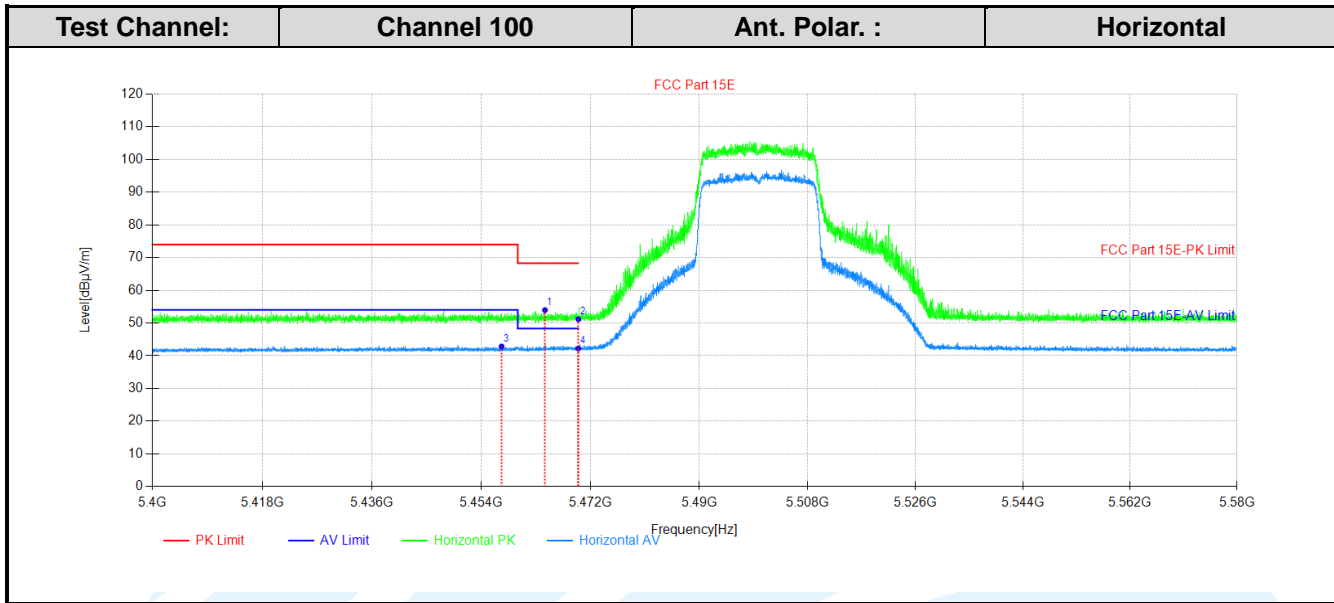
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5464.4824	44.69	9.27	53.96	68.30	14.34	150	60	PK	Horizontal	PASS
2	5469.991	41.90	9.27	51.17	68.30	17.13	150	76	PK	Horizontal	PASS
3	5457.3177	33.58	9.28	42.86	54.00	11.14	150	12	AV	Horizontal	PASS
4	5469.991	32.97	9.27	42.24	48.30	6.06	150	345	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

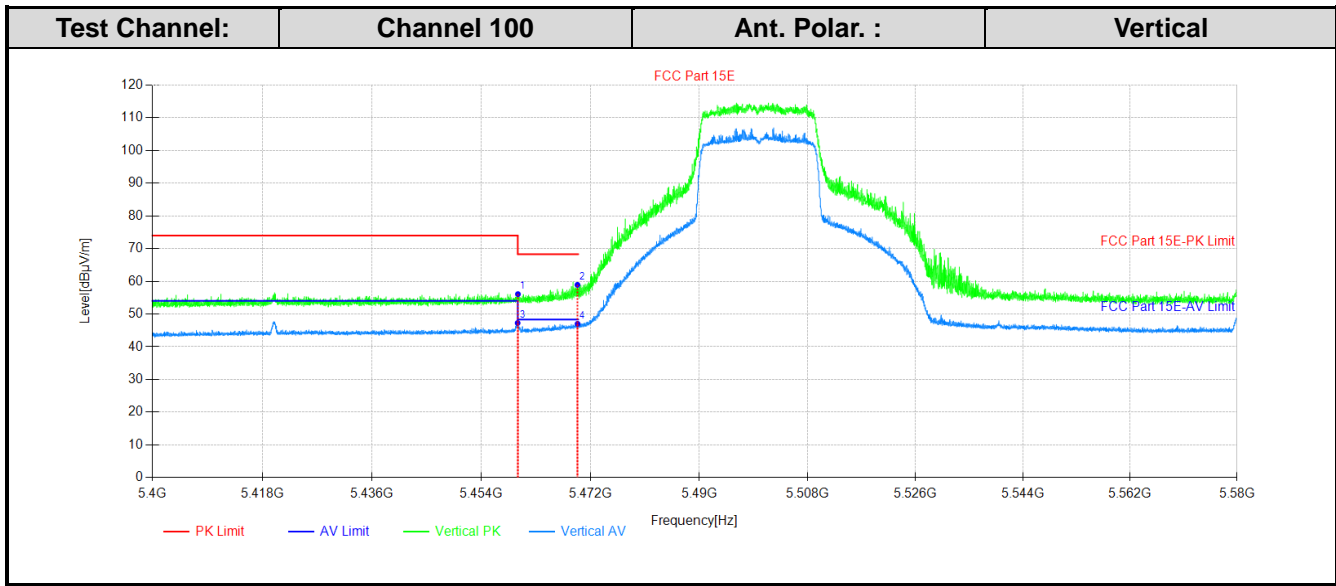
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5460.018	46.82	9.27	56.09	68.30	12.21	150	27	PK	Vertical	PASS
2	5469.847	49.66	9.27	58.93	68.30	9.37	150	201	PK	Vertical	PASS
3	5459.964	38.01	9.27	47.28	54.00	6.72	150	36	AV	Vertical	PASS
4	5469.865	37.75	9.27	47.02	48.30	1.28	150	4	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

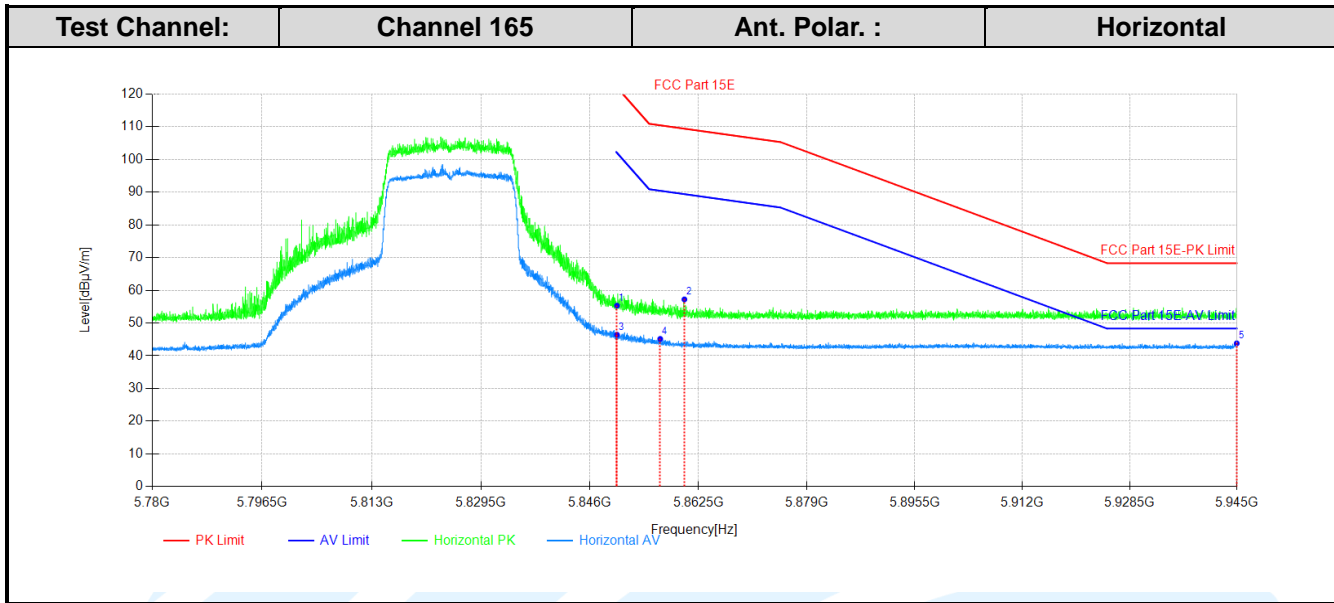
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UTTR-RF-EN300328-V1.2



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.1155	45.49	9.83	55.32	122.04	66.72	150	339	PK	Horizontal	PASS
2	5860.363	47.32	9.92	57.24	109.40	52.16	150	80	PK	Horizontal	PASS
3	5850.1155	36.61	9.83	46.44	102.04	55.60	150	80	AV	Horizontal	PASS
4	5856.6832	35.25	9.91	45.16	90.43	45.27	150	88	AV	Horizontal	PASS
5	5944.9505	33.89	9.92	43.81	48.30	4.49	150	121	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

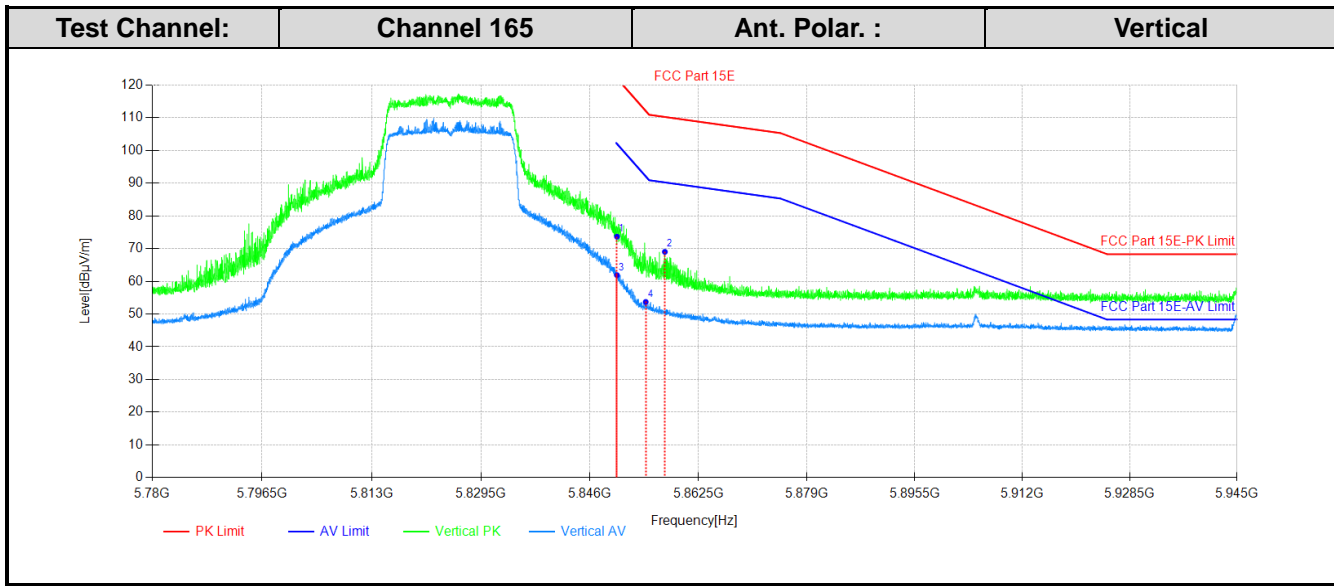
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.1155	63.83	9.83	73.66	122.04	48.38	150	359	PK	Vertical	PASS
2	5857.3927	59.10	9.92	69.02	110.23	41.21	150	13	PK	Vertical	PASS
3	5850.1155	52.06	9.83	61.89	102.04	40.15	150	359	AV	Vertical	PASS
4	5854.4884	43.80	9.90	53.70	92.07	38.37	150	13	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

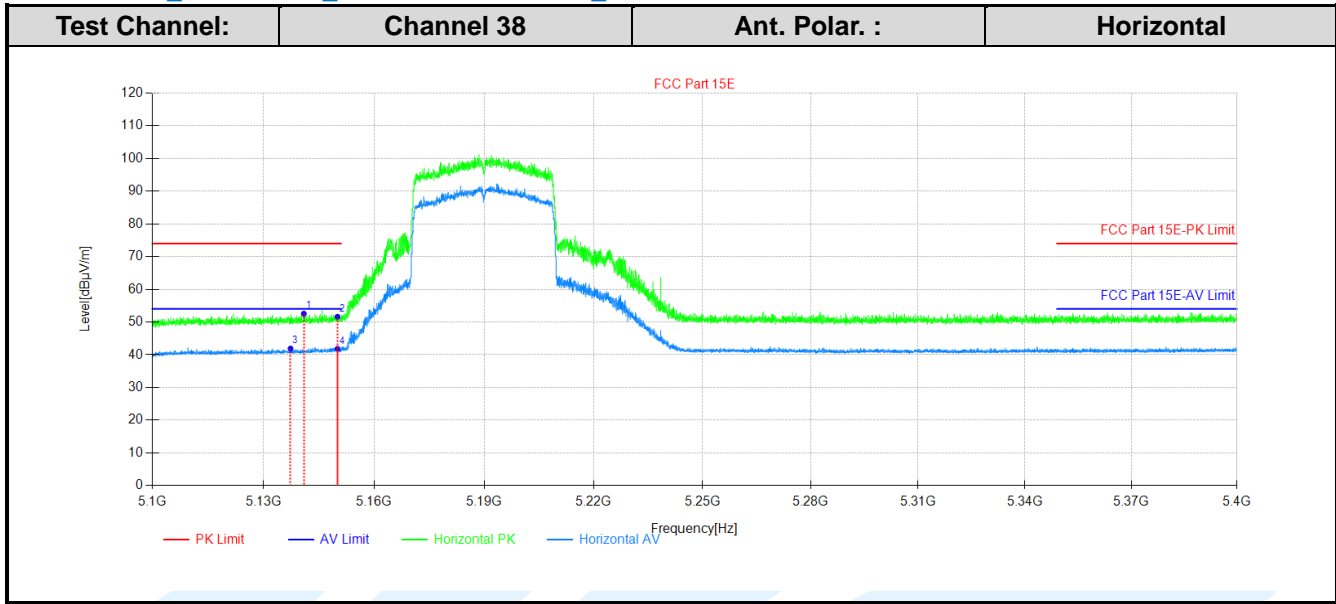
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UTTR-RF-EN300328-V1.2

MIMO_Ant. 0+1+2_ IEEE 802.11ax-HE40_SU



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5140.8941	44.19	8.37	52.56	74.00	21.44	150	218	PK	Horizontal	PASS
2	5150.015	43.25	8.38	51.63	74.00	22.37	150	0	PK	Horizontal	PASS
3	5137.2937	33.56	8.34	41.90	54.00	12.10	150	360	AV	Horizontal	PASS
4	5150.015	33.46	8.38	41.84	54.00	12.16	150	12	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

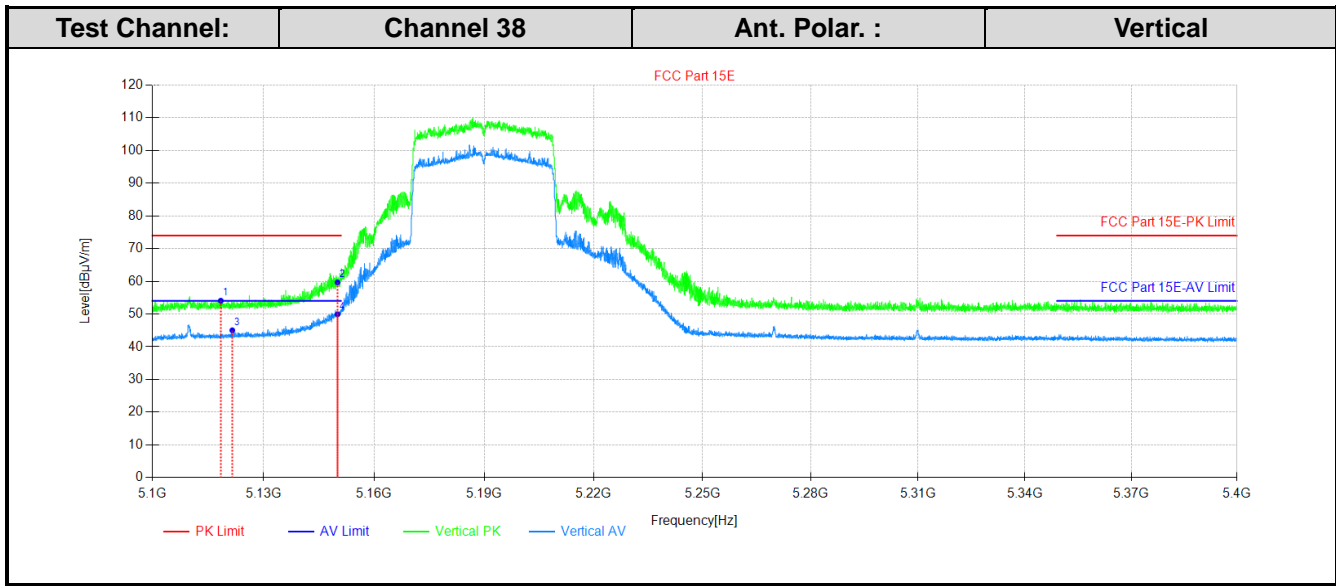
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5118.4518	45.84	8.24	54.08	74.00	19.92	150	36	PK	Vertical	PASS
2	5150.015	51.31	8.38	59.69	74.00	14.31	150	13	PK	Vertical	PASS
3	5121.5422	36.79	8.25	45.04	54.00	8.96	150	29	AV	Vertical	PASS
4	5150.015	41.56	8.38	49.94	54.00	4.06	150	20	AV	Vertical	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

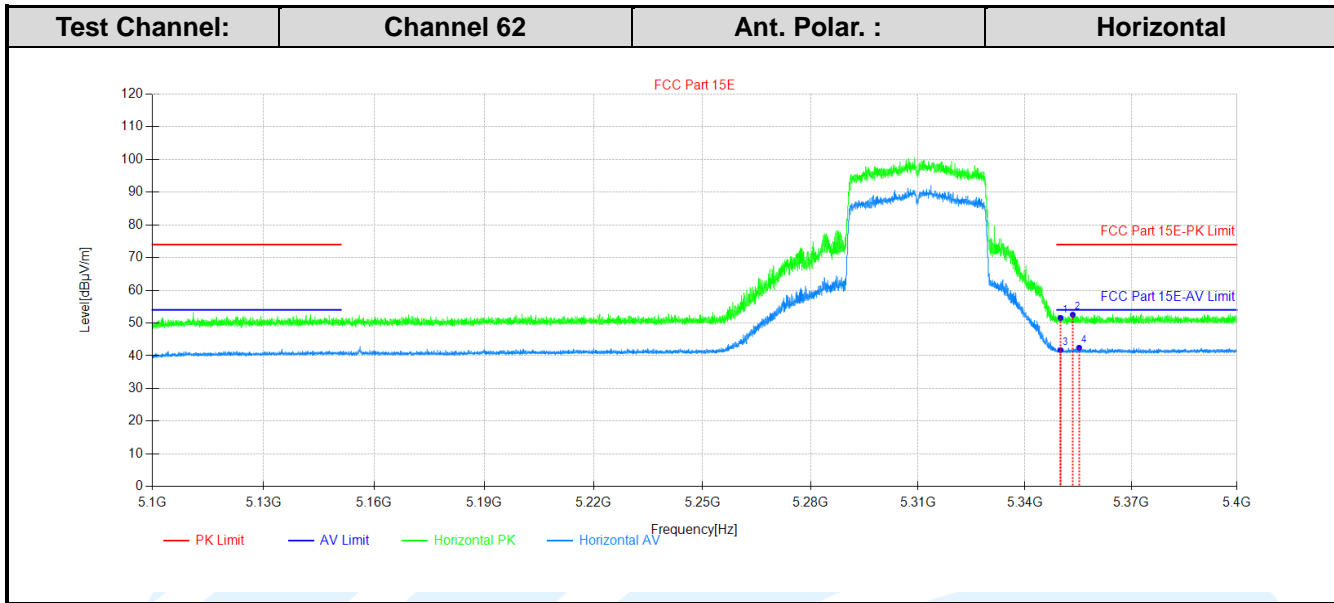
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Data List											
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1	5350.015	42.84	8.74	51.58	74.00	22.42	150	21	PK	Horizontal	PASS
2	5353.4653	43.83	8.72	52.55	74.00	21.45	150	86	PK	Horizontal	PASS
3	5350.015	33.00	8.74	41.74	54.00	12.26	150	61	AV	Horizontal	PASS
4	5355.2655	33.77	8.71	42.48	54.00	11.52	150	61	AV	Horizontal	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

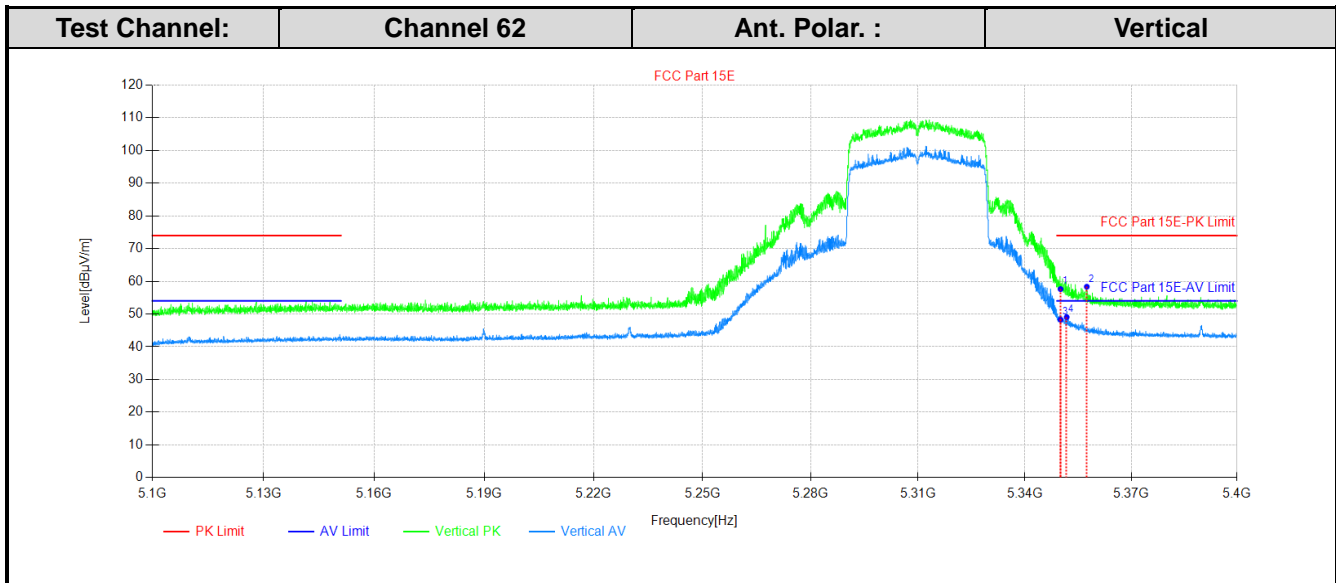
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1	5350.015	48.90	8.74	57.64	74.00	16.36	150	44	PK	Vertical	PASS
2	5357.4257	49.65	8.71	58.36	74.00	15.64	150	340	PK	Vertical	PASS
3	5350.015	39.54	8.74	48.28	54.00	5.72	150	28	AV	Vertical	PASS
4	5351.7552	40.33	8.73	49.06	54.00	4.94	150	332	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

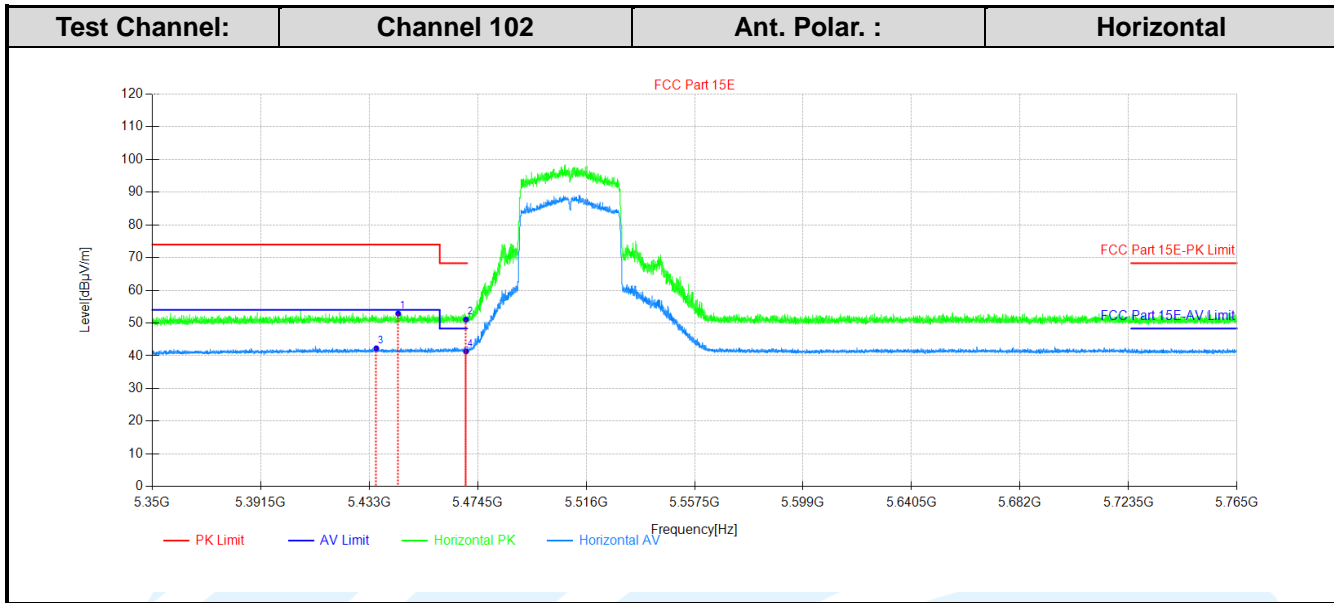
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1	5444.0899	43.58	9.30	52.88	74.00	21.12	150	360	PK	Horizontal	PASS
2	5470.03	41.79	9.27	51.06	68.30	17.24	150	346	PK	Horizontal	PASS
3	5435.7061	33.02	9.27	42.29	54.00	11.71	150	359	AV	Horizontal	PASS
4	5470.03	32.05	9.27	41.32	48.30	6.98	150	106	AV	Horizontal	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

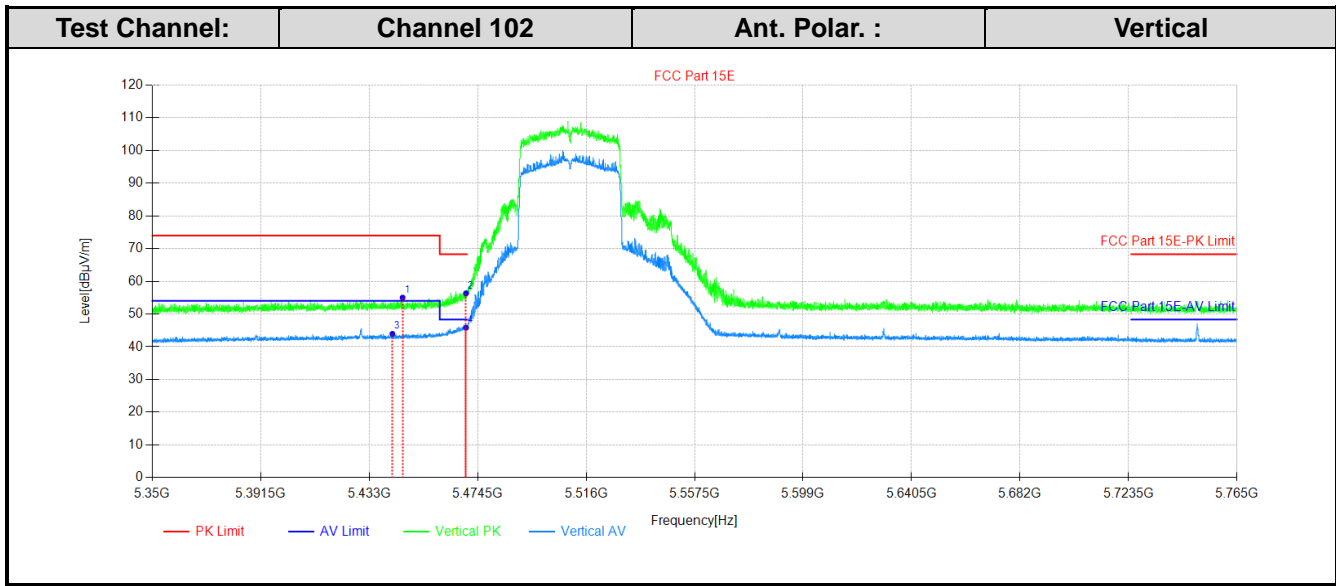
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Data List											
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1	5445.7501	45.74	9.30	55.04	74.00	18.96	150	325	PK	Vertical	PASS
2	5470.03	47.07	9.27	56.34	68.30	11.96	150	0	PK	Vertical	PASS
3	5441.8487	34.65	9.31	43.96	54.00	10.04	150	347	AV	Vertical	PASS
4	5470.03	36.54	9.27	45.81	48.30	2.49	150	340	AV	Vertical	PASS

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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

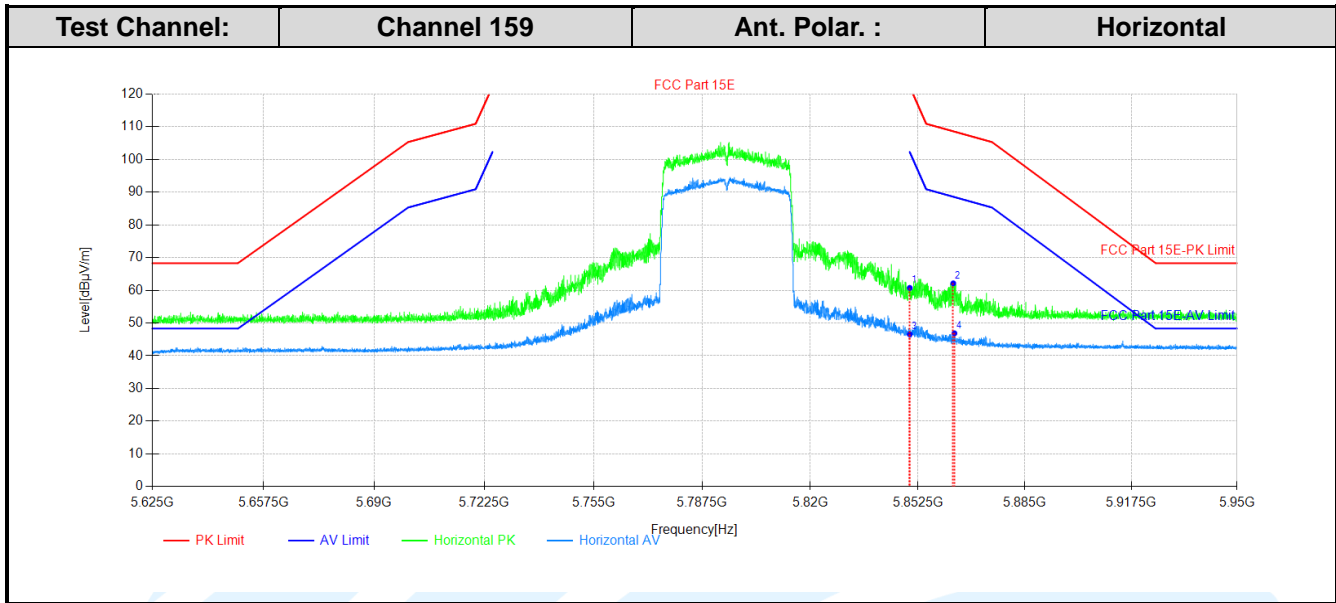
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.02	50.92	9.83	60.75	122.25	61.50	150	85	PK	Horizontal	PASS
2	5863.2163	52.21	9.94	62.15	108.60	46.45	150	85	PK	Horizontal	PASS
3	5850.02	36.71	9.83	46.54	102.25	55.71	150	339	AV	Horizontal	PASS
4	5863.5739	36.93	9.94	46.87	88.50	41.63	150	85	AV	Horizontal	PASS

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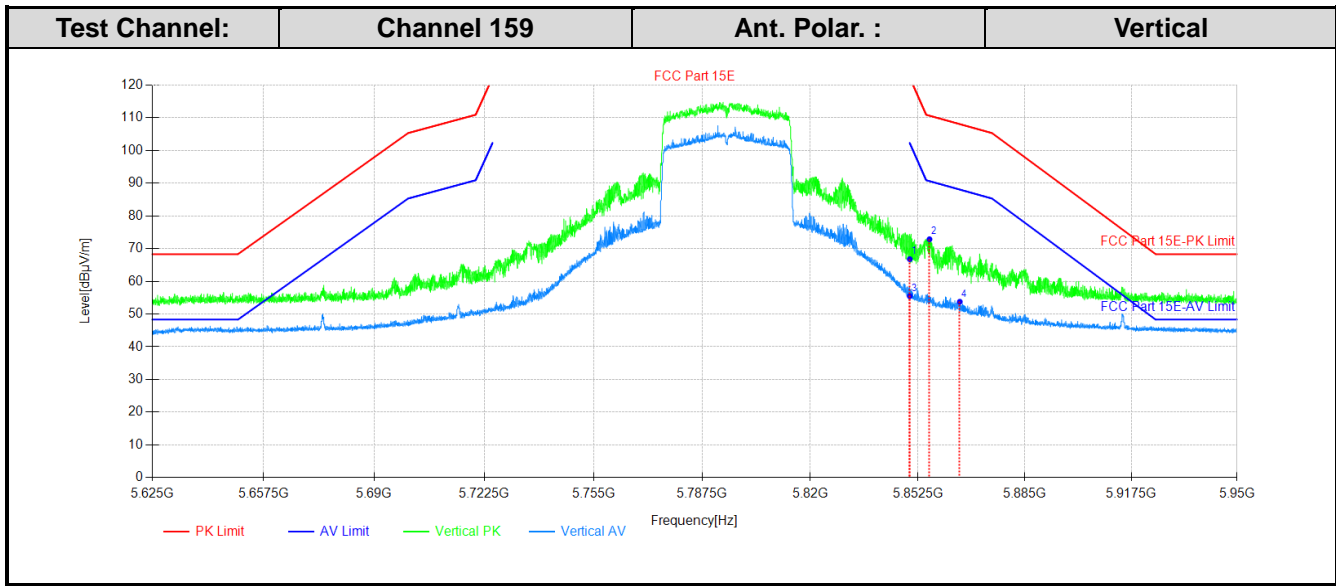
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5850.02	56.96	9.83	66.79	122.25	55.46	150	208	PK	Vertical	PASS
2	5856.0006	62.96	9.91	72.87	110.62	37.75	150	0	PK	Vertical	PASS
3	5850.02	45.64	9.83	55.47	102.25	46.78	150	20	AV	Vertical	PASS
4	5865.199	43.82	9.95	53.77	88.04	34.27	150	0	AV	Vertical	PASS

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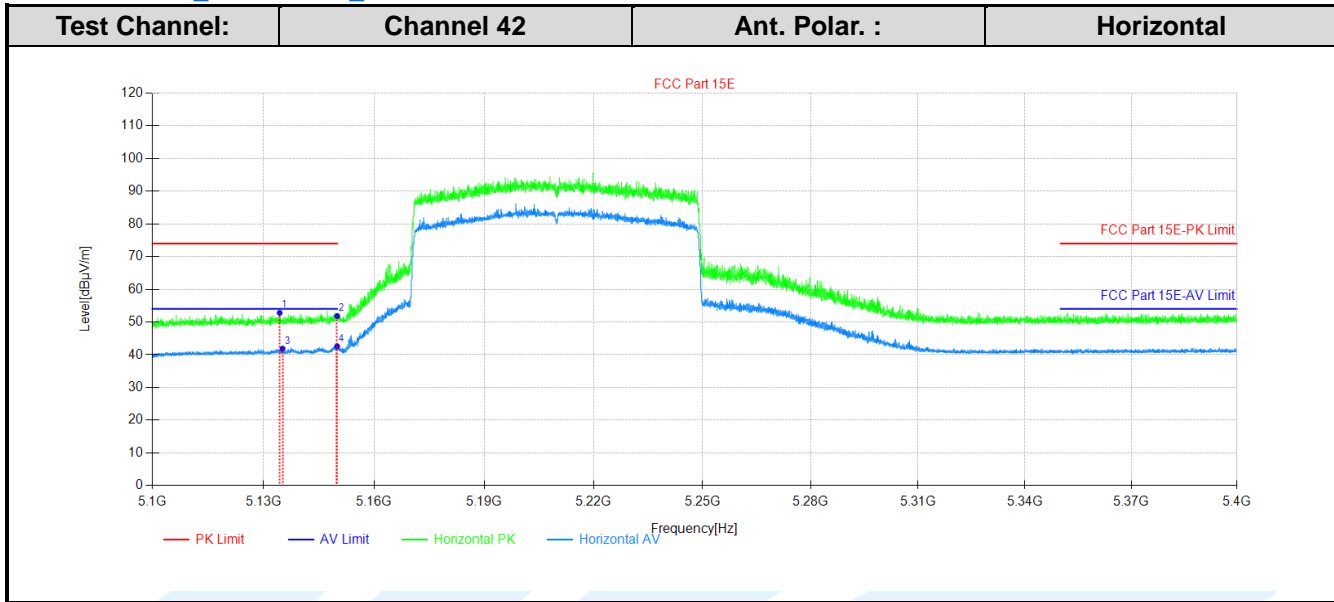
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MIMO_Ant. 0+1+2_ IEEE 802.11ax-HE80



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5134.3534	44.50	8.30	52.80	74.00	21.20	150	78	PK	Horizontal	PASS
2	5149.925	43.44	8.38	51.82	74.00	22.18	150	18	PK	Horizontal	PASS
3	5135.1335	33.57	8.31	41.88	54.00	12.12	150	18	AV	Horizontal	PASS
4	5149.925	34.23	8.38	42.61	54.00	11.39	150	85	AV	Horizontal	PASS

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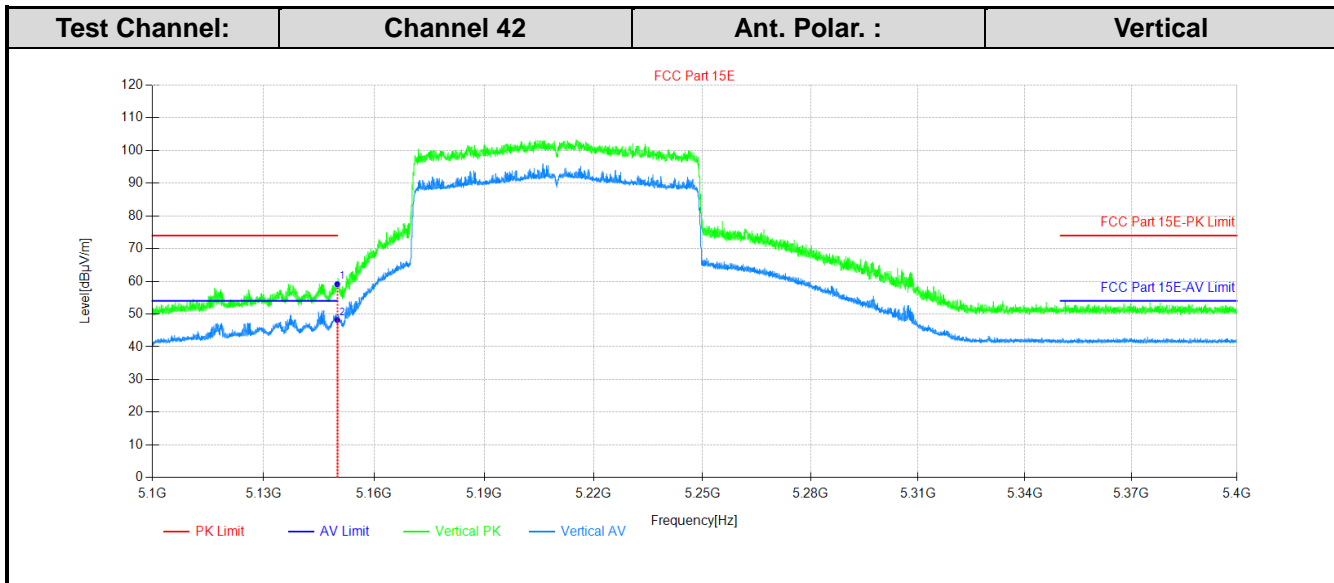
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5149.955	50.75	8.38	59.13	74.00	14.87	150	12	PK	Vertical	PASS
2	5149.955	39.80	8.38	48.18	54.00	5.82	150	20	AV	Vertical	PASS

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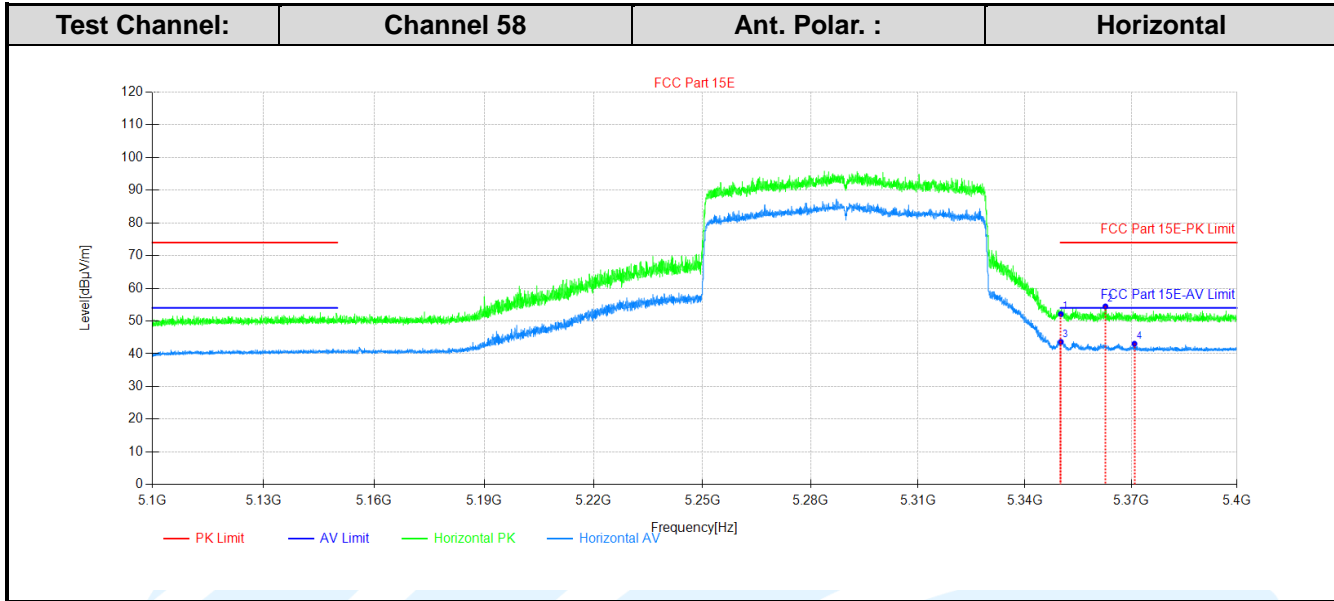
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5350.105	43.39	8.74	52.13	74.00	21.87	150	44	PK	Horizontal	PASS
2	5362.6763	45.72	8.76	54.48	74.00	19.52	150	339	PK	Horizontal	PASS
3	5350.105	34.91	8.74	43.65	54.00	10.35	150	93	AV	Horizontal	PASS
4	5370.8971	34.28	8.80	43.08	54.00	10.92	150	12	AV	Horizontal	PASS

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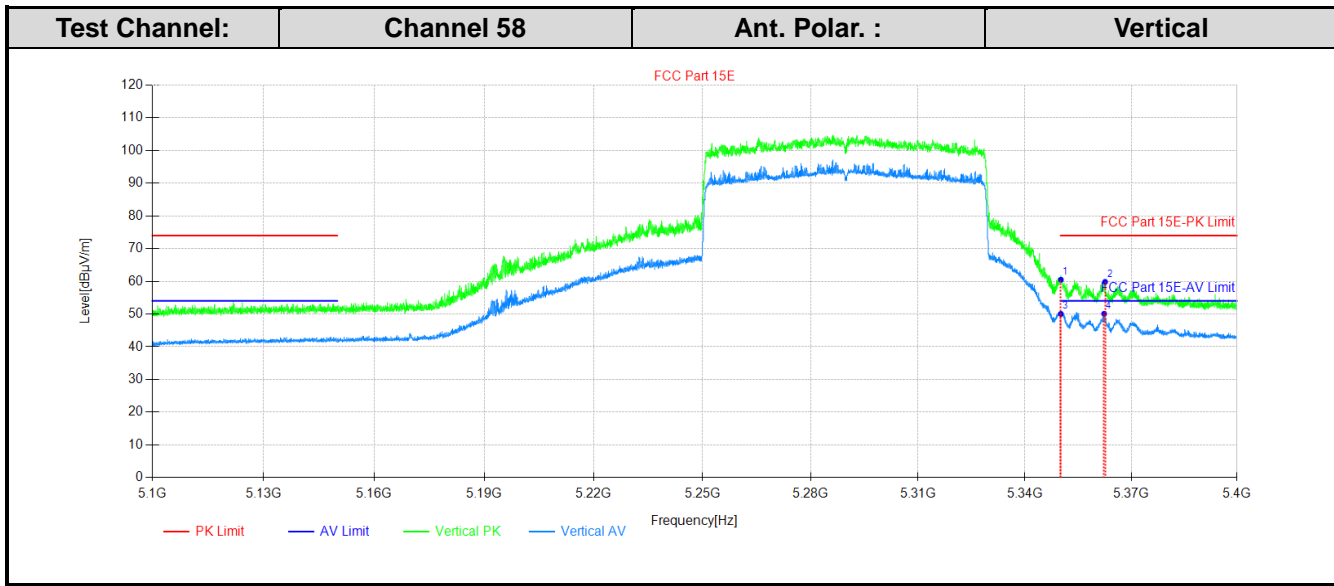
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5350.105	51.76	8.74	60.50	74.00	13.50	150	331	PK	Vertical	PASS
2	5362.5863	51.08	8.76	59.84	74.00	14.16	150	347	PK	Vertical	PASS
3	5350.105	41.31	8.74	50.05	54.00	3.95	150	0	AV	Vertical	PASS
4	5362.3162	41.35	8.75	50.10	54.00	3.90	150	355	AV	Vertical	PASS

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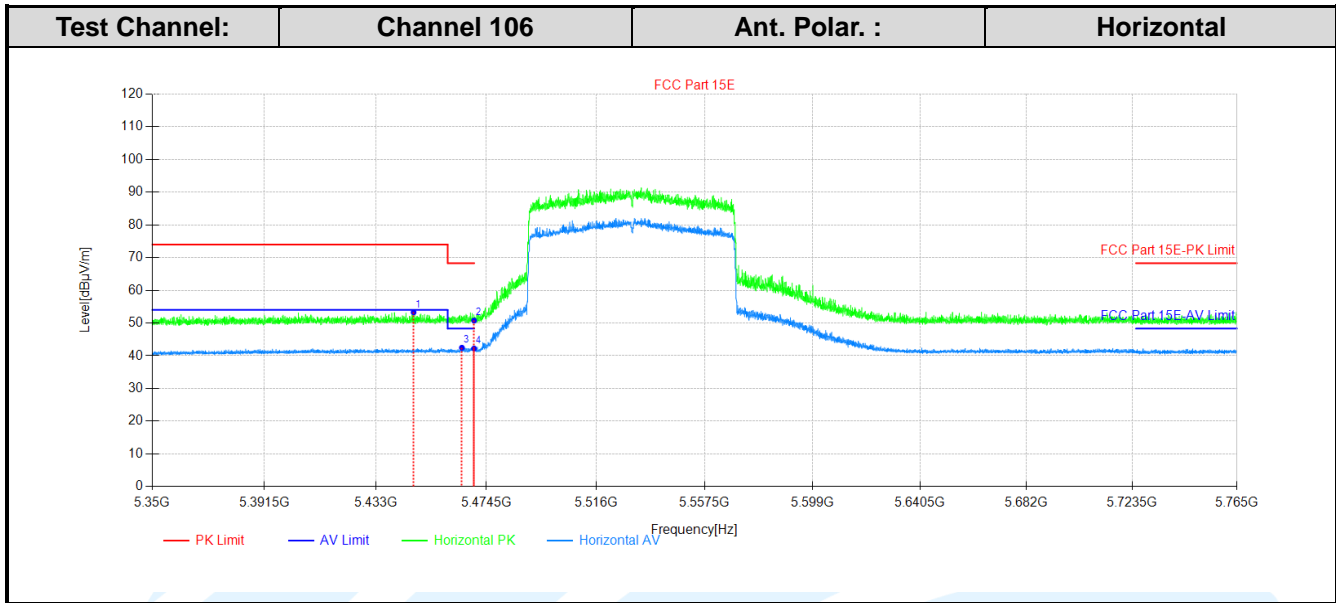
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5447.1612	43.97	9.30	53.27	74.00	20.73	150	173	PK	Horizontal	PASS
2	5469.9055	41.51	9.27	50.78	68.30	17.52	150	45	PK	Horizontal	PASS
3	5465.2985	33.21	9.27	42.48	48.30	5.82	150	352	AV	Horizontal	PASS
4	5469.9055	32.95	9.27	42.22	48.30	6.08	150	107	AV	Horizontal	PASS

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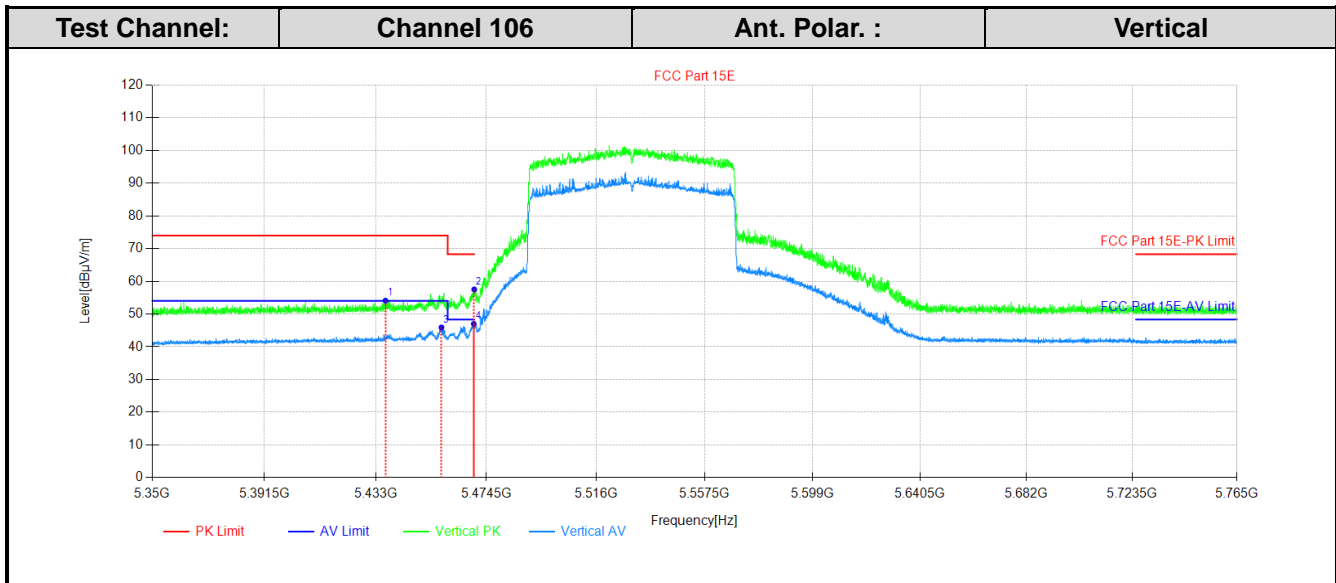
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5436.6192	44.83	9.27	54.10	74.00	19.90	150	347	PK	Vertical	PASS
2	5469.947	48.27	9.27	57.54	68.30	10.76	150	0	PK	Vertical	PASS
3	5457.6203	36.63	9.28	45.91	54.00	8.09	150	9	AV	Vertical	PASS
4	5469.781	37.74	9.27	47.01	48.30	1.29	150	2	AV	Vertical	PASS

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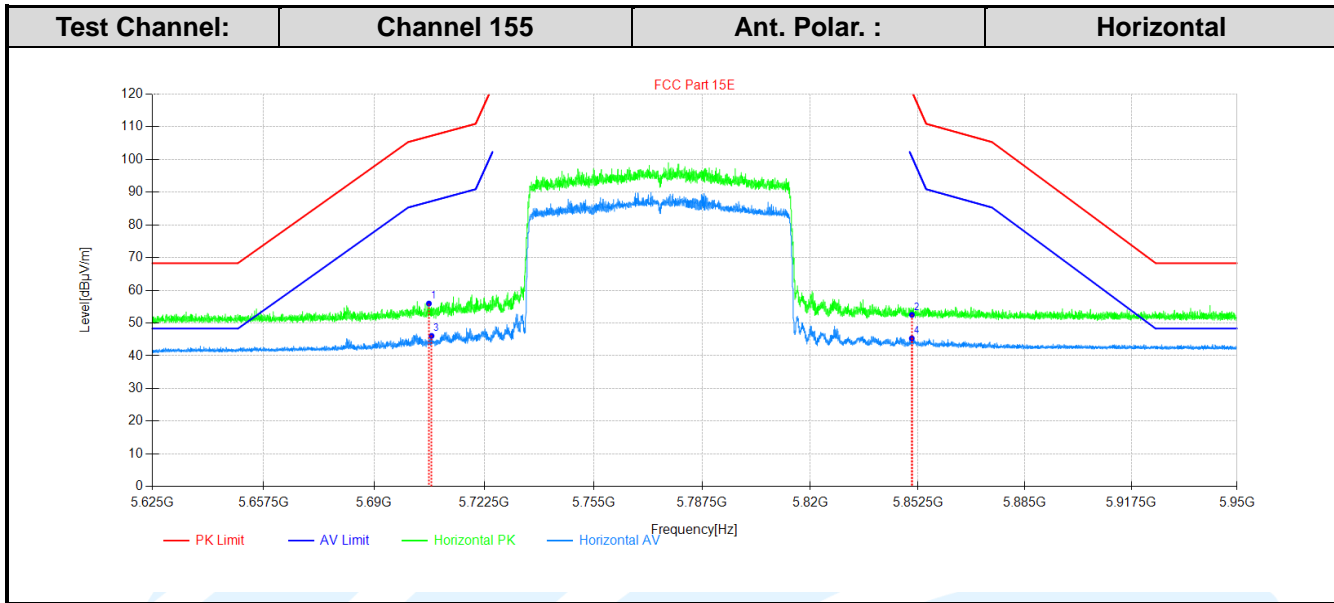
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5706.1606	46.62	9.34	55.96	107.02	51.06	150	242	PK	Horizontal	PASS
2	5850.6701	42.68	9.84	52.52	120.77	68.25	150	163	PK	Horizontal	PASS
3	5706.9407	36.74	9.34	46.08	87.24	41.16	150	147	AV	Horizontal	PASS
4	5850.6376	35.49	9.84	45.33	100.85	55.52	150	251	AV	Horizontal	PASS

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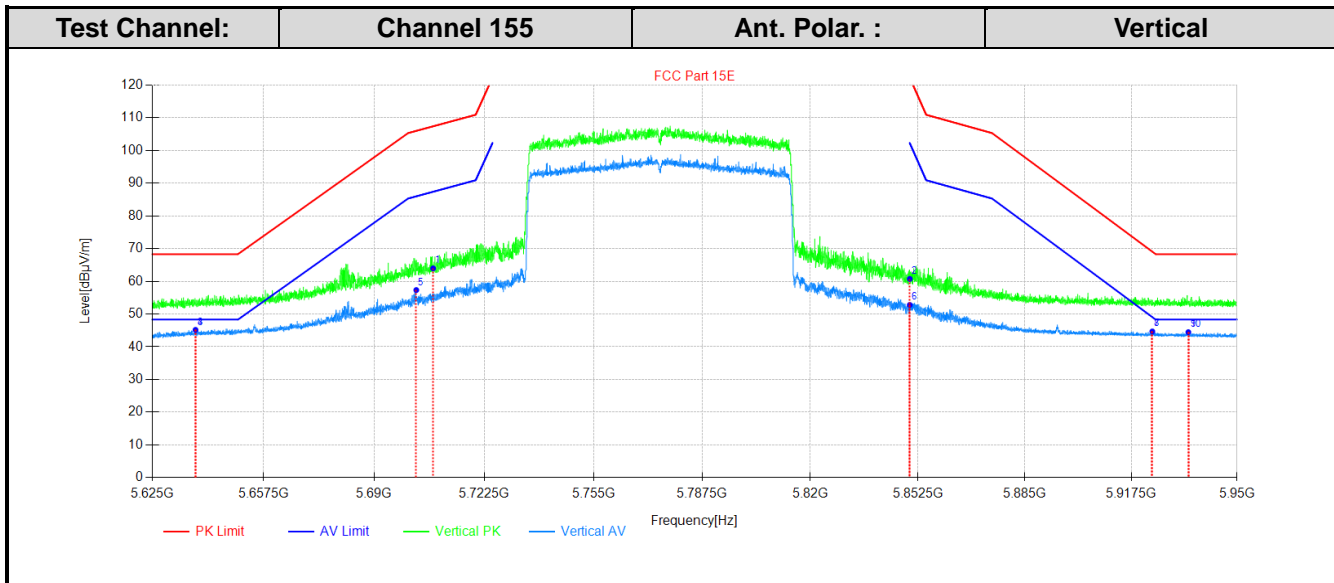
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5707.3957	54.62	9.34	63.96	107.37	43.41	150	0	PK	Vertical	PASS
2	5850.02	50.92	9.83	60.75	122.25	61.50	150	0	PK	Vertical	PASS
3	5637.6113	36.02	9.16	45.18	48.30	3.12	150	359	AV	Vertical	PASS
4	5637.6113	36.02	9.16	45.18	48.30	3.12	150	359	AV	Vertical	PASS
5	5702.4227	47.99	9.36	57.35	85.98	28.63	150	0	AV	Vertical	PASS
6	5850.02	42.97	9.83	52.80	102.25	49.45	150	0	AV	Vertical	PASS
7	5923.9649	34.65	10.04	44.69	49.07	4.38	150	233	AV	Vertical	PASS
8	5923.9649	34.65	10.04	44.69	49.07	4.38	150	233	AV	Vertical	PASS
9	5935.016	34.52	9.95	44.47	48.30	3.83	150	358	AV	Vertical	PASS
10	5935.016	34.52	9.95	44.47	48.30	3.83	150	358	AV	Vertical	PASS

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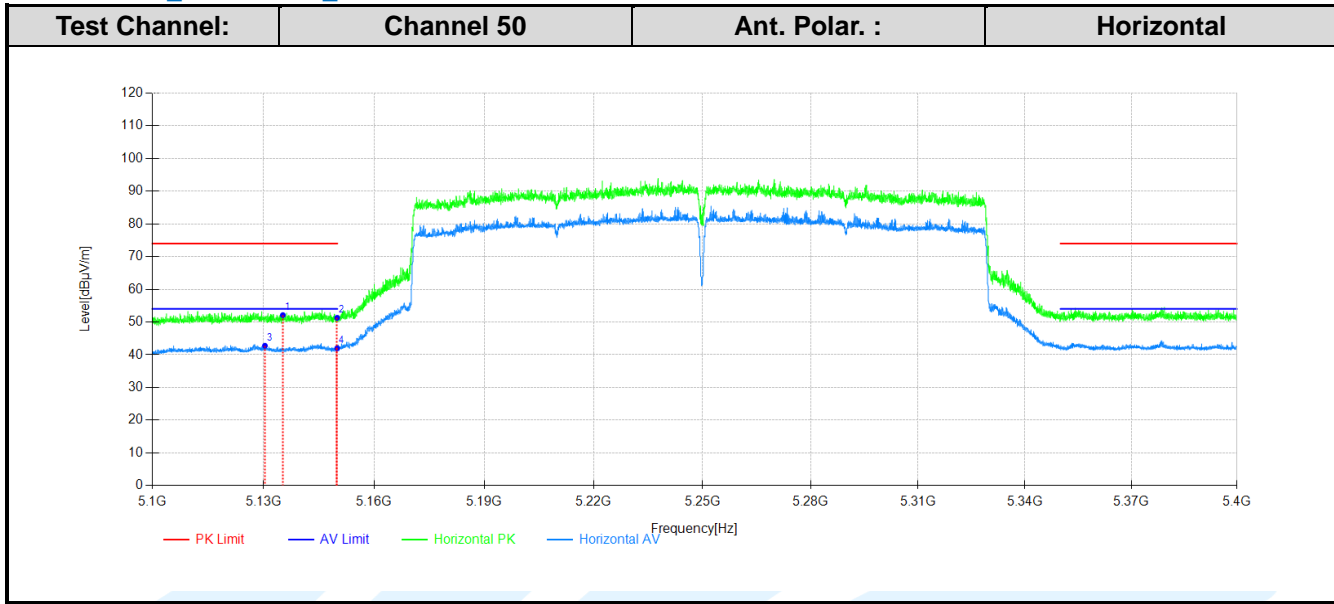
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MIMO_Ant. 0+1+2_ IEEE 802.11ax-HE160



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5135.2235	43.81	8.31	52.12	74.00	21.88	150	359	PK	Horizontal	PASS
2	5149.925	42.92	8.38	51.30	74.00	22.70	150	99	PK	Horizontal	PASS
3	5130.363	34.49	8.27	42.76	54.00	11.24	150	290	AV	Horizontal	PASS
4	5149.925	33.60	8.38	41.98	54.00	12.02	150	360	AV	Horizontal	PASS

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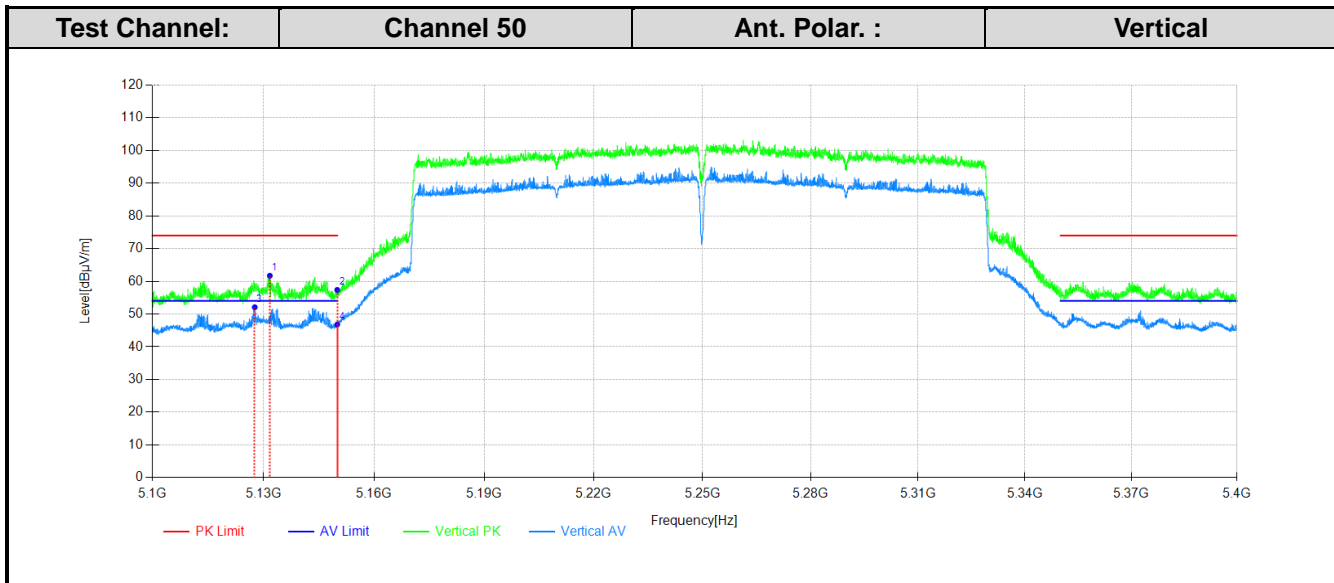
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5131.6832	53.42	8.29	61.71	74.00	12.29	150	0	PK	Vertical	PASS
2	5149.955	49.00	8.38	57.38	74.00	16.62	150	2	PK	Vertical	PASS
3	5127.6028	43.82	8.27	52.09	54.00	1.91	150	337	AV	Vertical	PASS
4	5149.955	38.44	8.38	46.82	54.00	7.18	150	20	AV	Vertical	PASS

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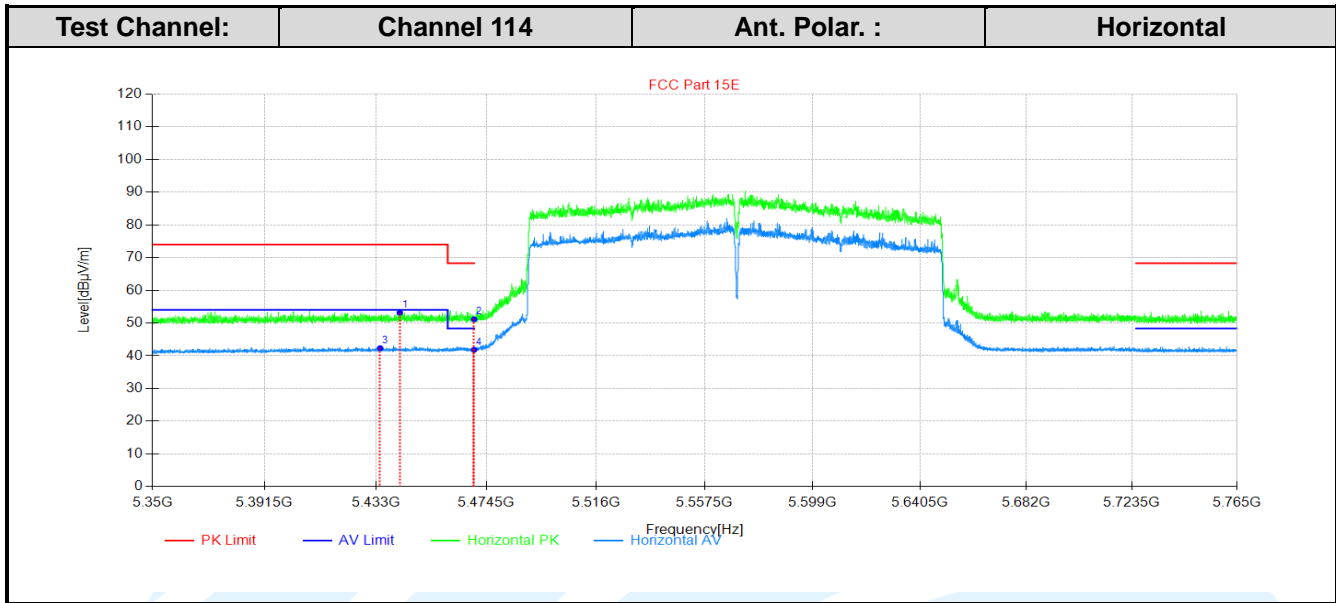
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5441.9732	43.86	9.31	53.17	74.00	20.83	150	281	PK	Horizontal	PASS
2	5469.9055	41.88	9.27	51.15	68.30	17.15	150	322	PK	Horizontal	PASS
3	5434.627	33.07	9.26	42.33	54.00	11.67	150	296	AV	Horizontal	PASS
4	5469.9055	32.56	9.27	41.83	48.30	6.47	150	85	AV	Horizontal	PASS

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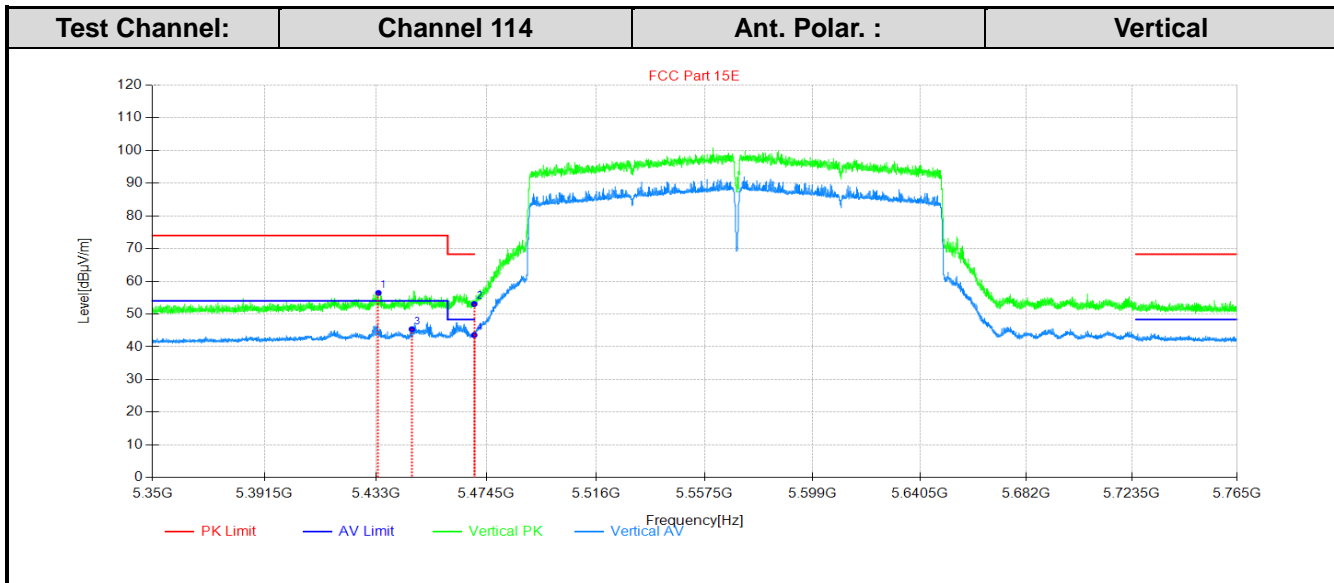
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Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5433.9629	47.20	9.26	56.46	74.00	17.54	150	21	PK	Vertical	PASS
2	5469.947	43.80	9.27	53.07	68.30	15.23	150	45	PK	Vertical	PASS
3	5446.4972	36.08	9.30	45.38	54.00	8.62	150	338	AV	Vertical	PASS
4	5469.947	34.32	9.27	43.59	48.30	4.71	150	1	AV	Vertical	PASS

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Limit - Result

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5.8 AC POWER LINE CONDUCTED EMISSION

Test Requirement: FCC 47 CFR Part 15 Subpart C Section 15.207

Test Method: ANSI C63.10-2013 Section 6.2

Limits:

Frequency range (MHz)	Limits (dB(μV))	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

Remark:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Setup: Refer to section 4.4.2 for details.

Test Procedures:

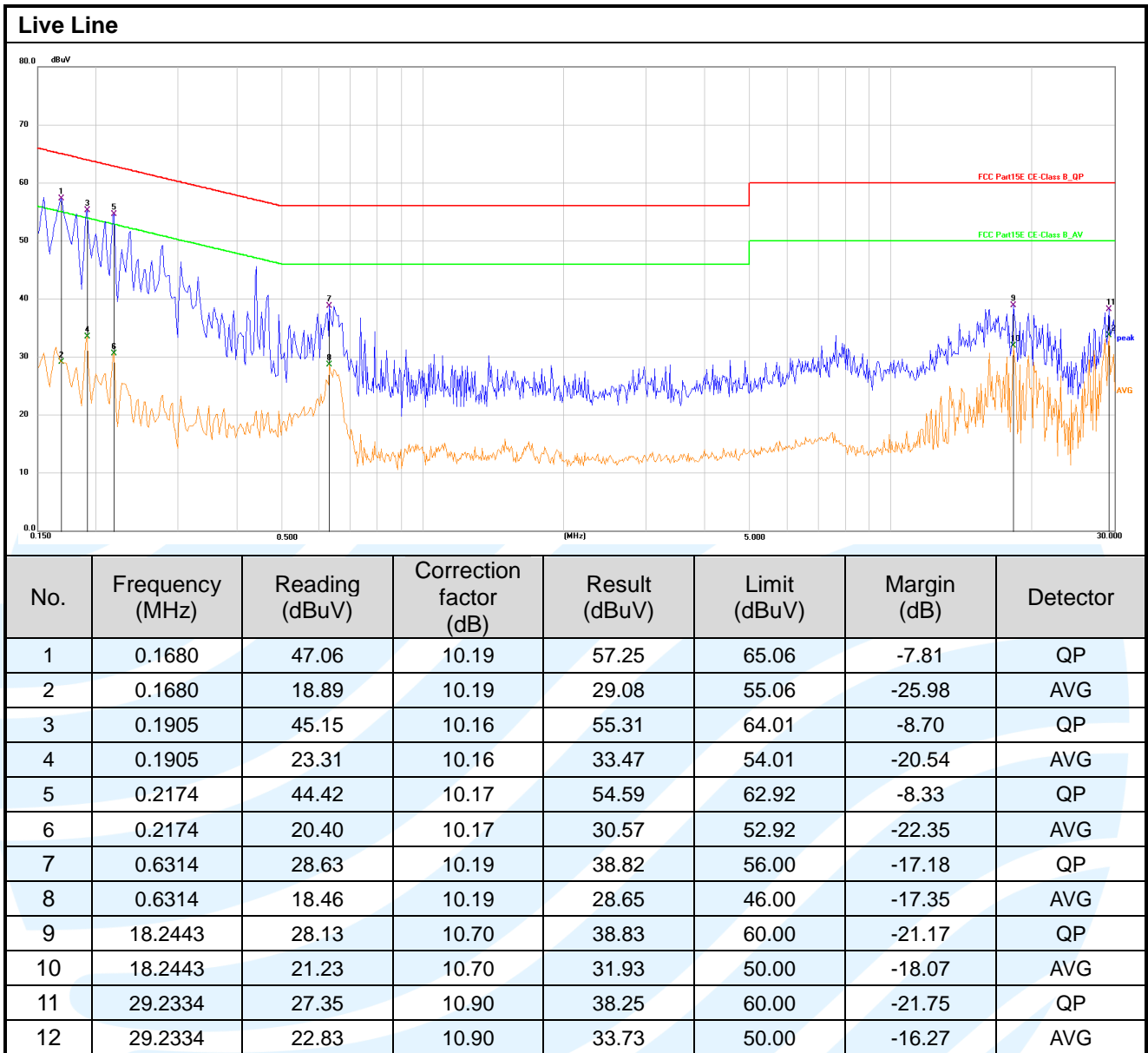
Test frequency range :150KHz-30MHz

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The worst measurement data as follows:
 Quasi Peak and Average:
 Mode: WIFI Link



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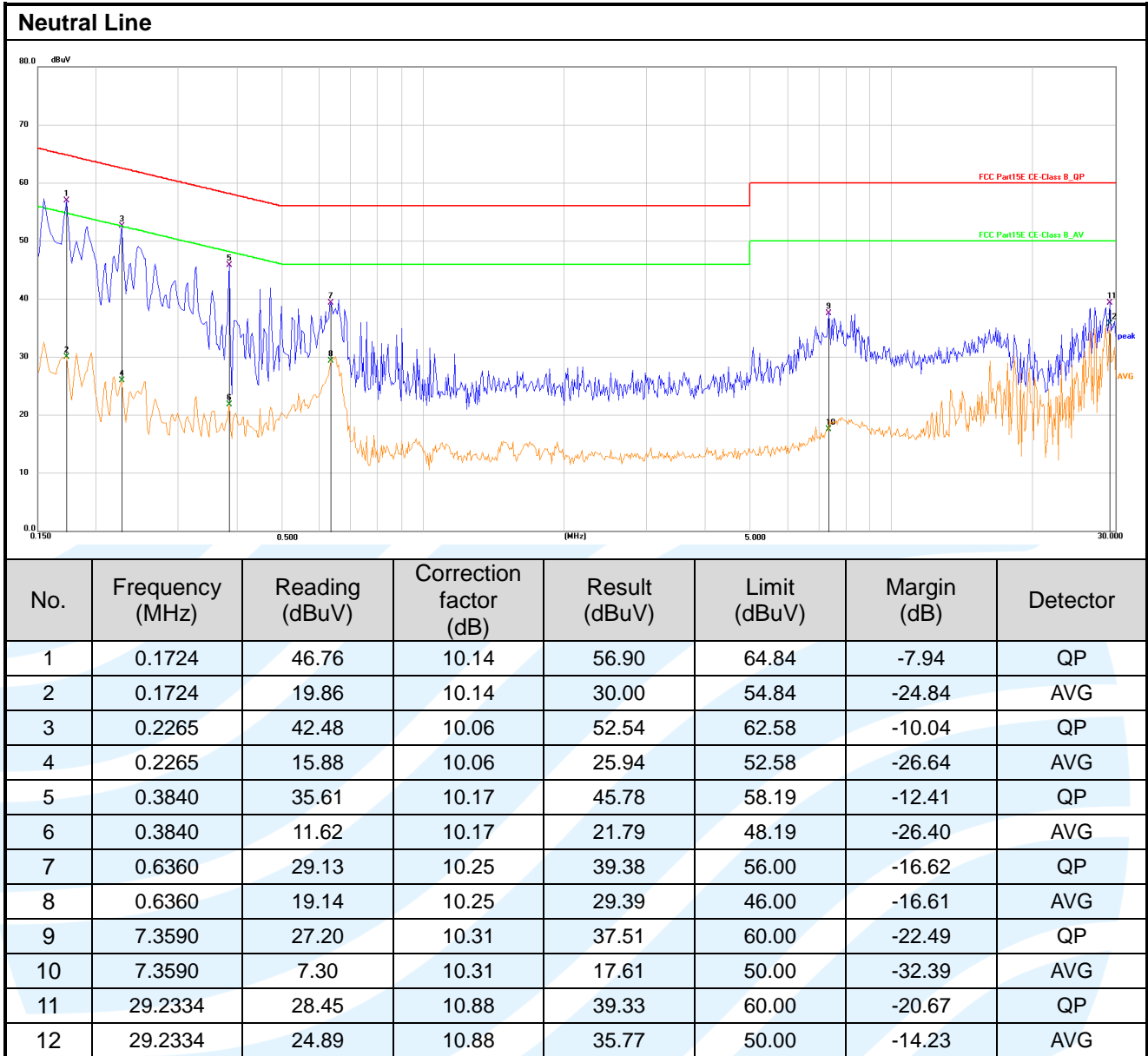
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Remark:

1. Correct Factor = LISN Factor + Cable Loss + Pulse Limiter Factor, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result - Limit
4. An initial pre-scan was performed on the Phase and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

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APPENDIX A RF TEST DATA
A.1 99% BANDWIDTH

For U-NII-1, U-NII-2A and U-NII-2C Band:

Mode	Channel	RU & Index	Ant.	99% BW (MHz)
IEEE 802.11a	36	N/A	0	16.800
			1	16.820
			2	16.819
	44		0	16.724
			1	16.770
			2	16.740
	48		0	16.791
			1	16.873
			2	16.845
	52		0	16.657
			1	16.657
			2	16.656
	60		0	16.779
			1	16.770
			2	16.822
	64		0	16.790
			1	16.765
			2	16.758
100	0	16.789		
	1	16.764		
	2	16.786		
116	0	16.633		
	1	16.646		
	2	16.646		
140	0	16.725		
	1	16.781		
	2	16.770		
IEEE 802.11n_20	36	N/A	0	17.869
			1	17.879
			2	17.845
	44		0	17.762
			1	17.777
			2	17.764
	48		0	17.787
			1	17.833
			2	17.719
	52		0	17.767
			1	17.734
			2	17.735
	60		0	17.910
			1	17.900
			2	17.841
	64		0	17.912
			1	17.855
			2	17.856
100	0	17.922		
	1	17.848		
	2	17.864		
116	0	17.773		
	1	17.744		
	2	17.763		
140	0	17.896		
	1	17.849		
	2	17.804		
IEEE 802.11n_40	38	N/A	0	36.187
			1	36.298
			2	36.251

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	46		0	36.072
			1	36.203
			2	36.124
	54		0	36.042
			1	36.140
			2	36.119
	62		0	36.165
			1	36.334
			2	36.201
	102		0	36.119
			1	36.257
			2	36.138
	110		0	36.057
			1	36.057
			2	36.013
	134		0	36.201
			1	36.315
			2	36.139
	142		0	36.096
			1	36.154
			2	36.018
			0	17.940
	36		1	17.908
			2	17.861
	44		0	17.808
			1	17.793
			2	17.858
	48		0	17.828
			1	17.816
			2	17.747
	52		0	17.768
			1	17.761
			2	17.732
	60		0	17.908
			1	17.877
			2	17.834
	64		0	17.885
			1	17.920
			2	17.860
	100		0	17.864
			1	17.916
			2	17.840
	116		0	17.806
			1	17.753
			2	17.733
	120		0	17.840
			1	17.766
			2	17.742
	140		0	17.838
			1	17.855
			2	17.852
	144		0	17.751
			1	17.732
			2	17.723
			0	36.234
	38		1	36.324
			2	36.235
	46		0	36.186
			1	36.251
			2	36.138
	54		0	36.074
			1	36.205
			2	36.032
IEEE 802.11ac_20				
IEEE 802.11ac_40				

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	62		0	36.166	
			1	36.333	
			2	36.204	
	102		0	36.214	
			1	36.285	
			2	36.260	
	110		0	36.089	
			1	36.183	
			2	36.101	
	118		0	36.058	
			1	36.219	
			2	36.102	
	134		0	36.266	
			1	36.393	
			2	36.289	
			0	75.602	
IEEE 802.11ac_80	42		1	75.480	
			2	75.479	
			0	75.514	
	58		1	75.523	
			2	75.447	
	106		0	75.583	
			1	75.530	
			2	75.443	
			0	153.538	
IEEE 802.11ac_160	50		1	153.988	
			2	153.748	
			0	153.825	
	114		1	153.761	
			2	153.918	
			0	19.020	
IEEE 802.11ax_20	36	SU	1	19.044	
			2	19.037	
			0	18.958	
			44	1	18.979
				2	18.984
				0	18.902
			48	1	18.885
				2	18.902
				0	18.988
			52	1	19.007
				2	18.990
				0	19.046
			60	1	19.030
				2	19.032
		0	19.041		
	64	1	19.056		
		2	19.029		
		0	19.025		
	100	1	19.020		
		2	19.012		
		0	19.059		
	116	1	18.975		
		2	18.970		
		0	19.031		
	140	1	19.051		
		2	19.019		
		0	37.640		
IEEE 802.11ax_40	38		1	37.657	
			2	37.708	
			0	37.538	
	46		1	37.574	
			2	37.564	

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	54		0	37.615
			1	37.518
			2	37.530
	62		0	37.670
			1	37.713
			2	37.653
	102		0	37.704
			1	37.669
			2	37.686
	110		0	37.541
			1	37.568
			2	37.568
IEEE 802.11ax_80	42		0	37.733
			1	37.731
			2	37.671
	0		76.978	
	1		77.005	
	2		76.984	
58	0	76.991		
	1	76.963		
	2	76.974		
106	0	77.004		
	1	77.083		
	2	77.036		
IEEE 802.11ax_160	50		0	155.403
			1	155.363
			2	155.371
	114		0	155.437
			1	155.429
			2	155.183

Mode	Channel	RU & Index	Ant.	99% BW (MHz)				
IEEE 802.11a	144	N/A	0	13.327				
			1	13.296				
			2	14.770				
IEEE 802.11n_20			0	13.866				
			1	13.844				
			2	13.894				
IEEE 802.11n_40			142	N/A	0	32.775		
					1	32.751		
					2	32.785		
IEEE 802.11ac_20	0	13.890						
	1	13.841						
	2	13.850						
IEEE 802.11ac_40	142	N/A			0	32.750		
					1	32.781		
					2	32.782		
IEEE 802.11ac_80			138	N/A	0	72.019		
					1	72.098		
					2	72.023		
IEEE 802.11ax_20					144	SU	0	14.445
							1	14.452
							2	14.471
IEEE 802.11ax_40	142	SU					0	33.514
							1	33.514
							2	33.522
IEEE 802.11ax_80			138	SU			0	72.856
							1	72.911
							2	72.839

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