

Test Report No.50058588

Appendix D: Radiated and Mains Spurious Emission Data

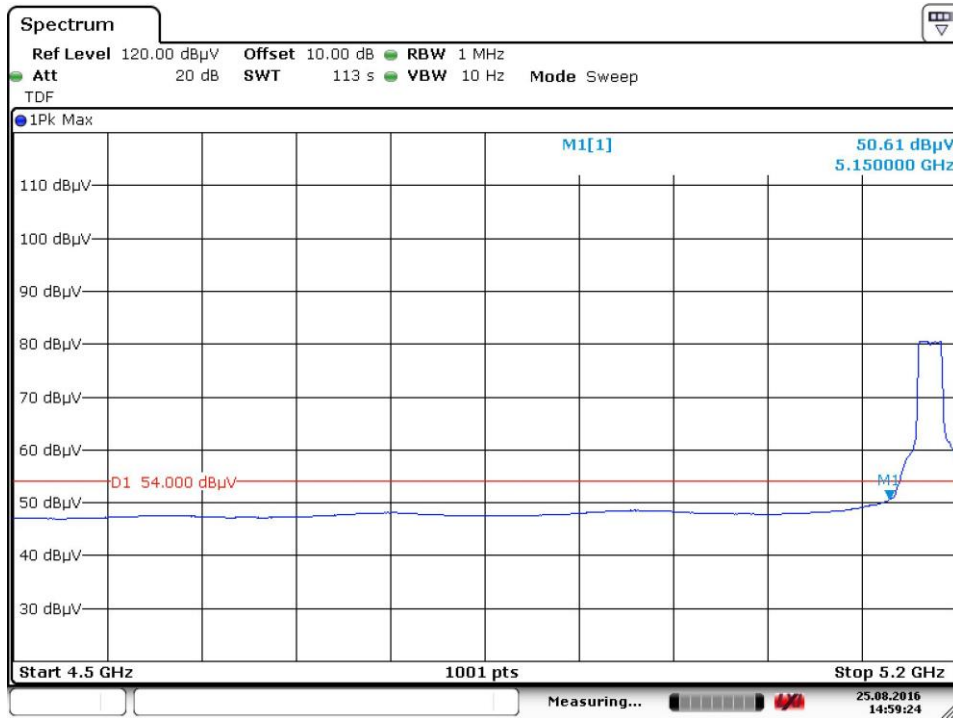
(File: 50058588AppendixD)

Contents

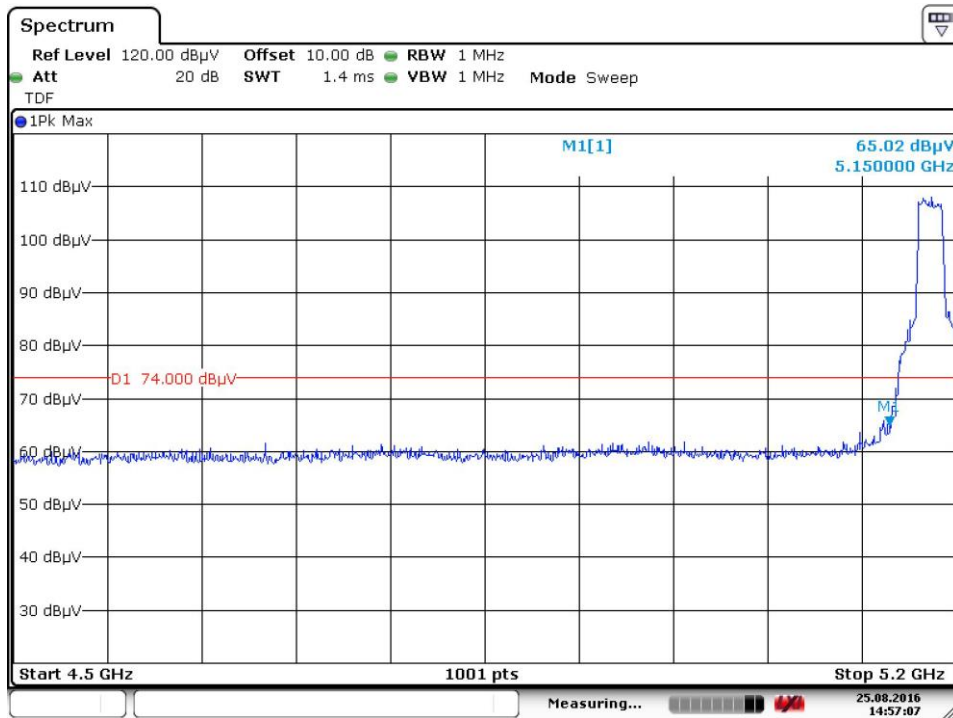
Spurious Emissions, Band Edges,4.5-5.15G	2
Spurious Emissions, Band Edges, 5.35G -5.46	10
Spurious Emissions, TX Mode, 1-18G , 5150-5250MHz	18
Spurious Emissions, TX Mode, 1-18G , 5250-5350MHz	36
Spurious Emissions, TX Mode, 1-18G , 5470-5725MHz	52
Spurious Emissions, TX Mode, 1-18G , 5725-5850MHz	72
Spurious Emissions, TX Mode, 18-40G, 5150-5250MHz.....	90
Spurious Emissions, TX Mode, 18-40G, 5250-5350MHz.....	108
Spurious Emissions, TX Mode, 18-40G , 54700-5725MHz	124
Spurious Emissions, TX Mode, 18-40G , 5725-5850MHz	144
Spurious Emissions, TX Mode, 30M-1G	162
Spurious Emissions, RX Mode, 1G-18G.....	170
Spurious Emissions, RX Mode, 18G-40G.....	178
Spurious Emissions, RX Mode, 30M-1G.....	186
Spurious Emissions, Mains, 150kHz - 30MHz	194

Radiated Bandedge 11a

Low Channel (Hor) 5180

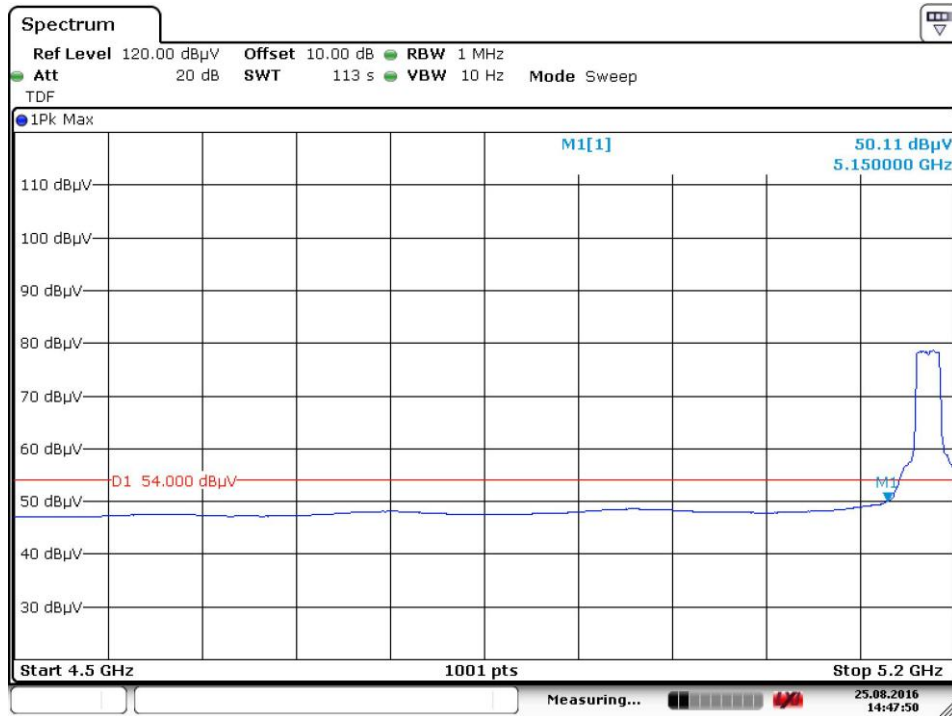


Date: 25.AUG.2016 14:59:24

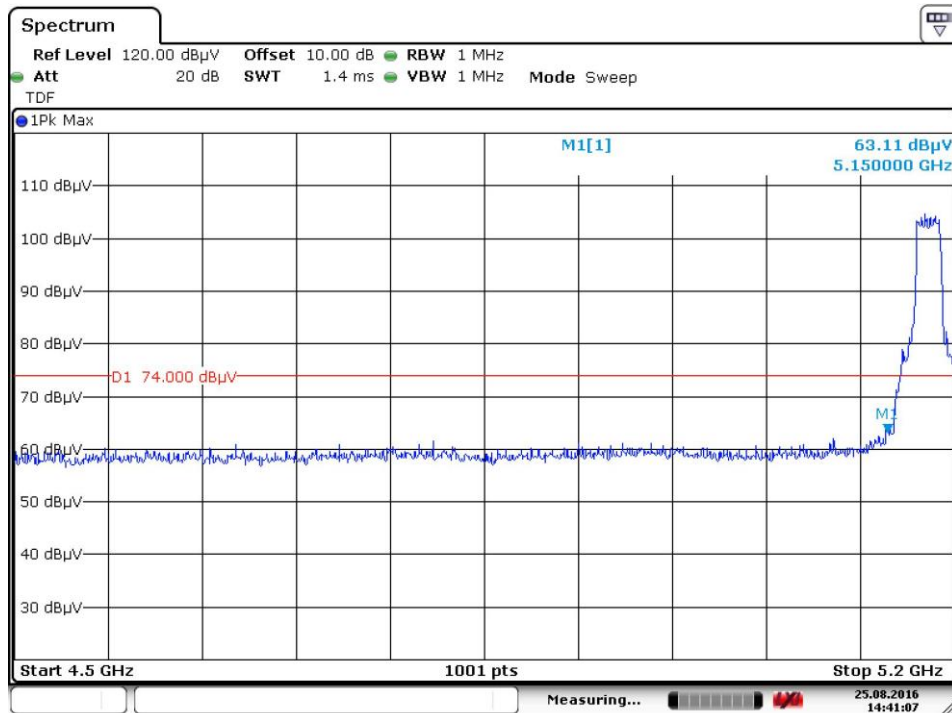


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Low Channel (Ver) 5180



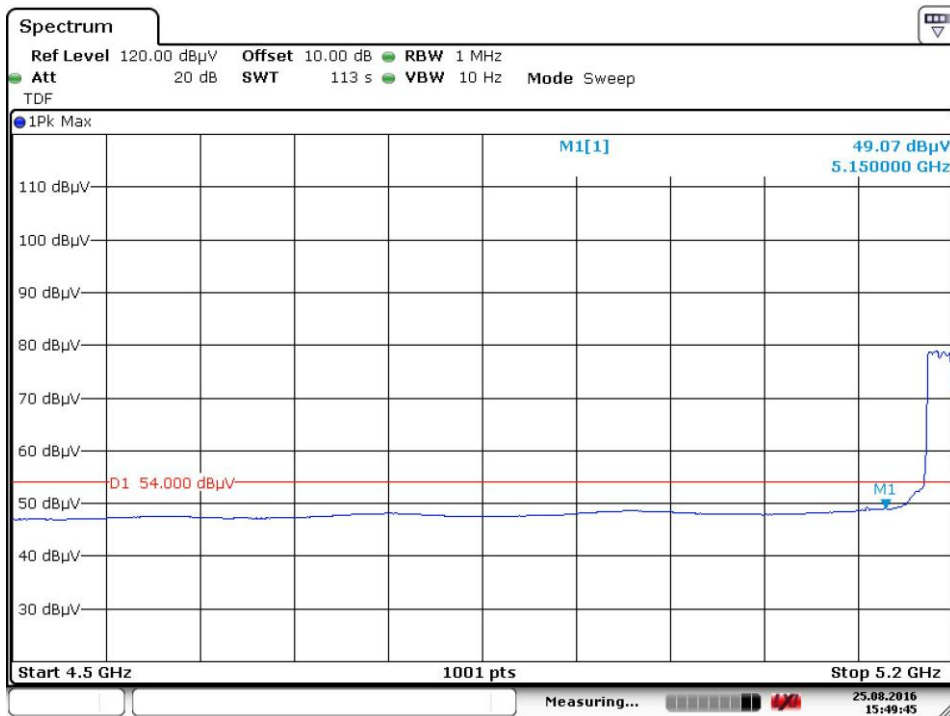
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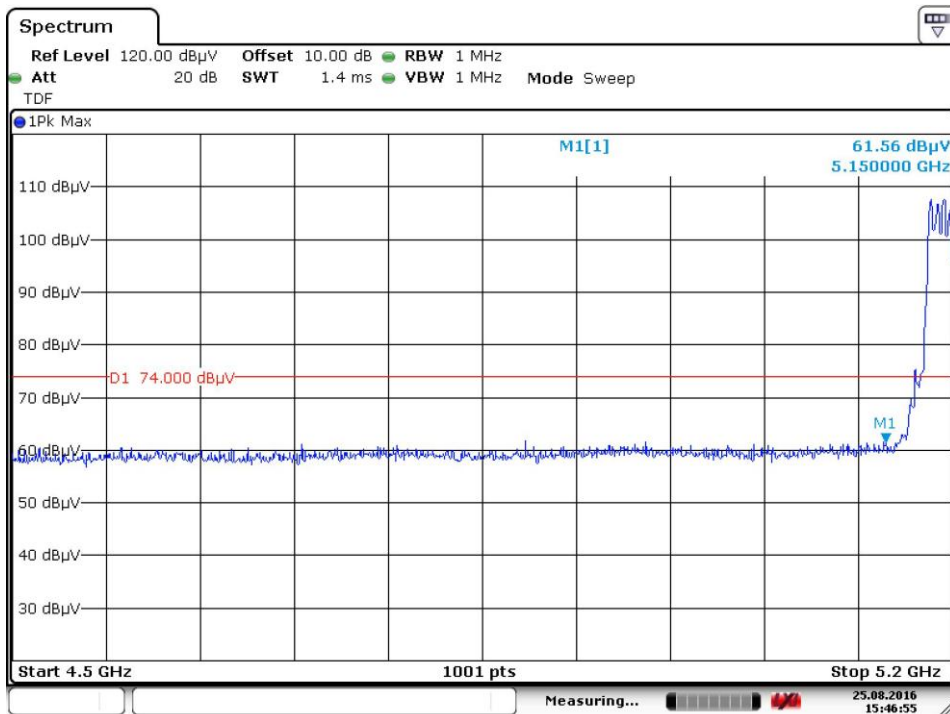
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Radiated Bandedge 11n HT20

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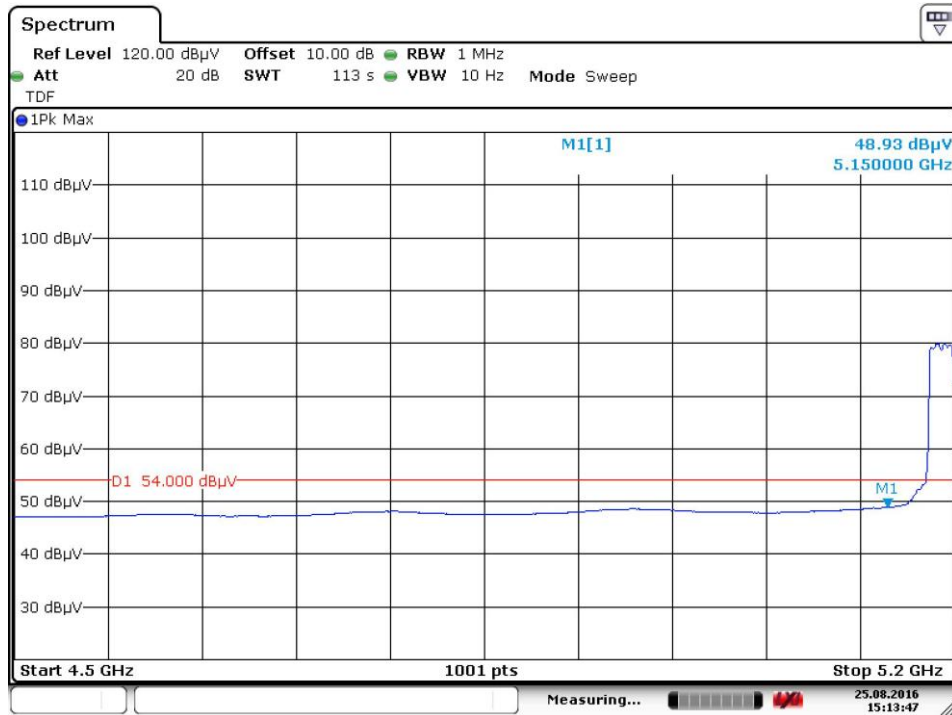


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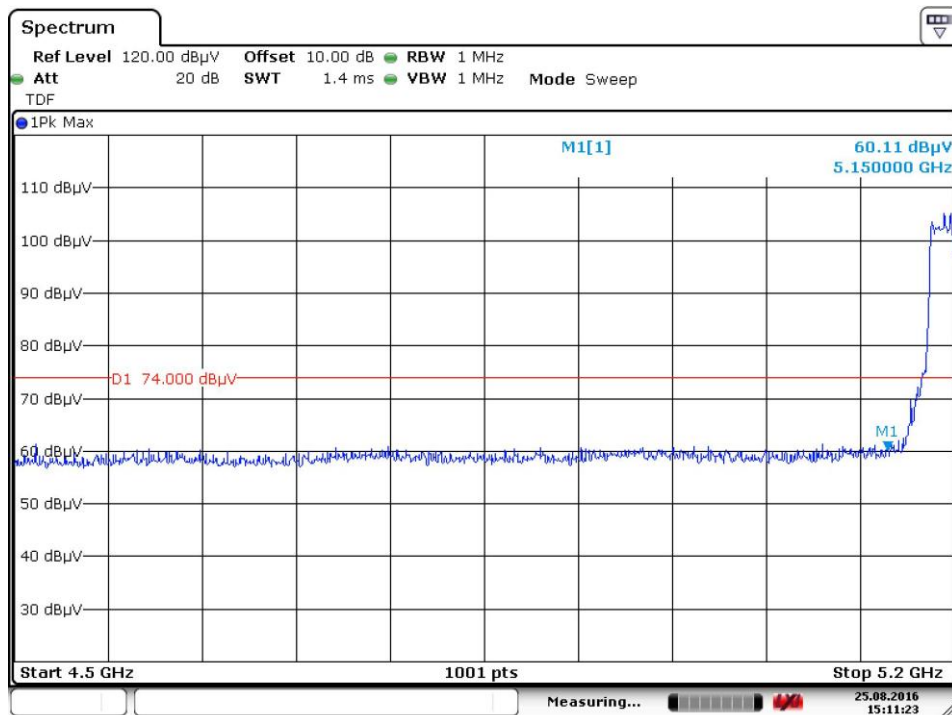


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Low Channel (Ver) 5180



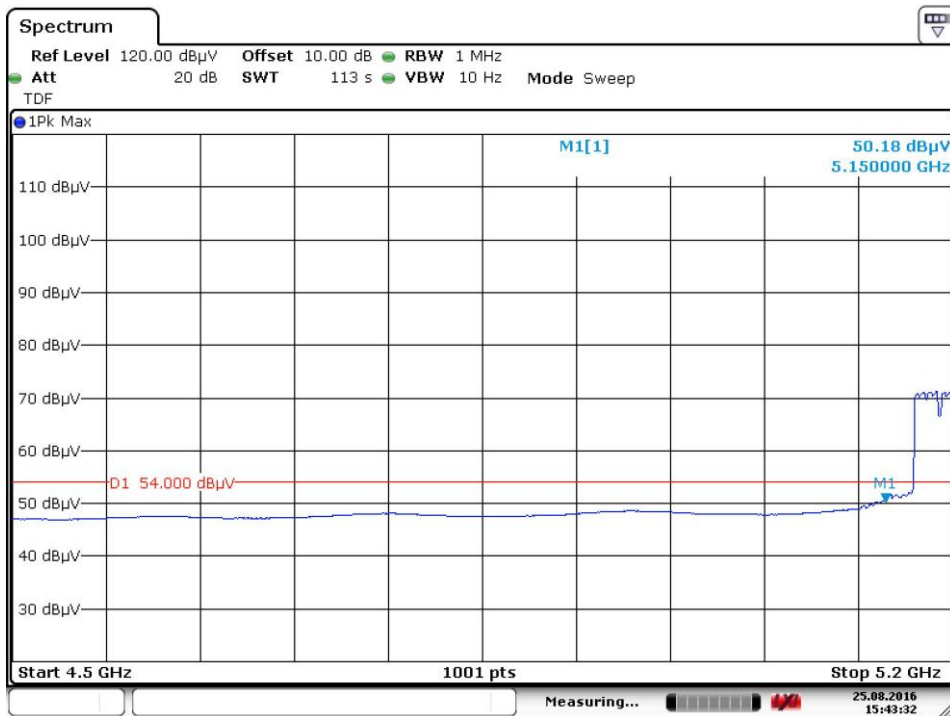
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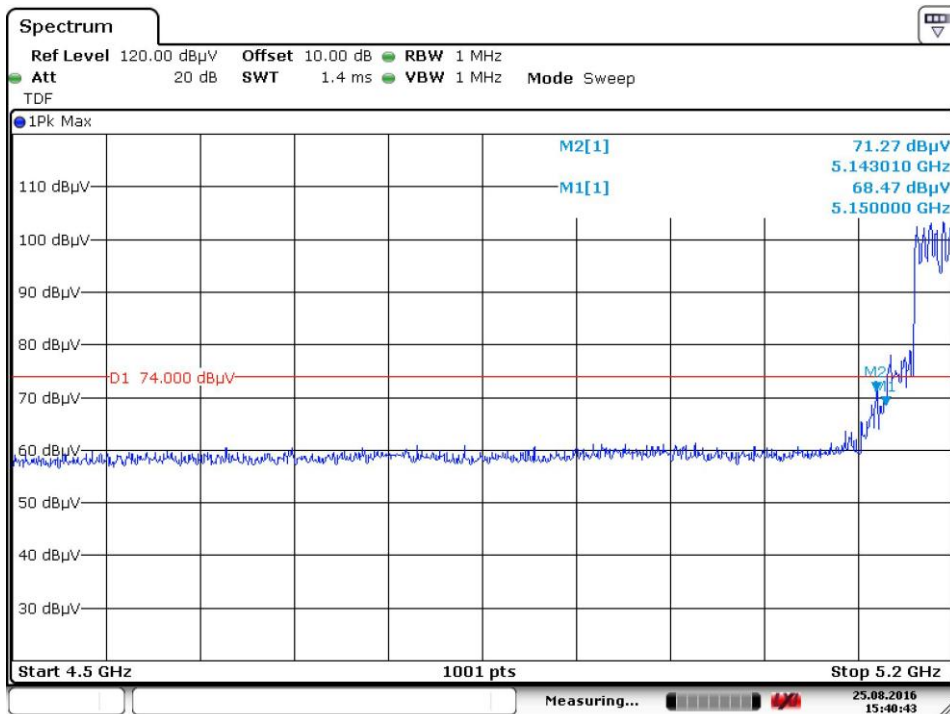
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Radiated Bandedge 11n HT40

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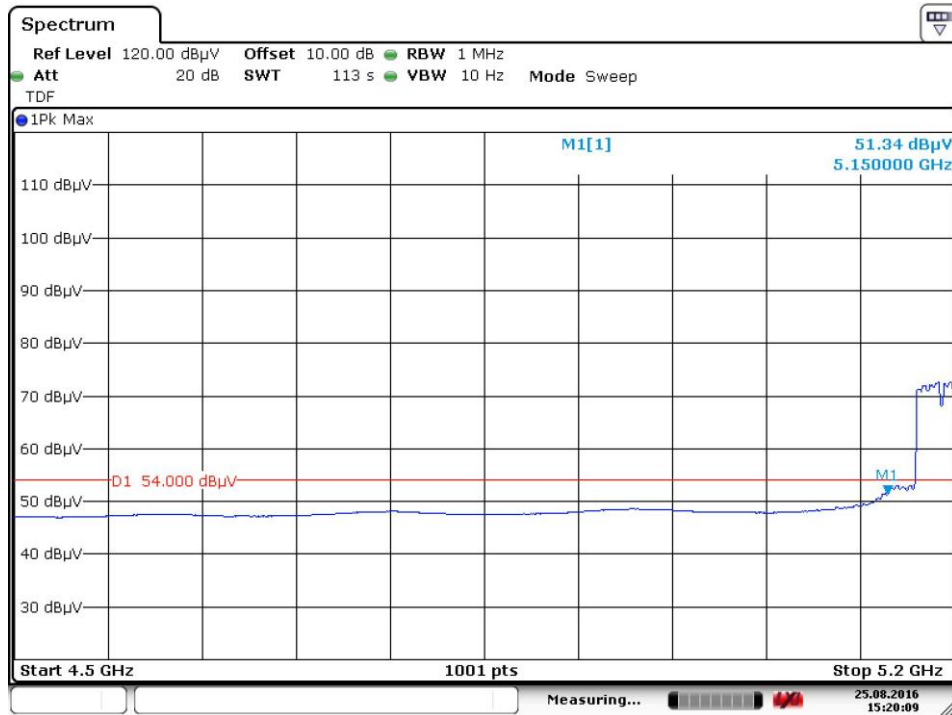


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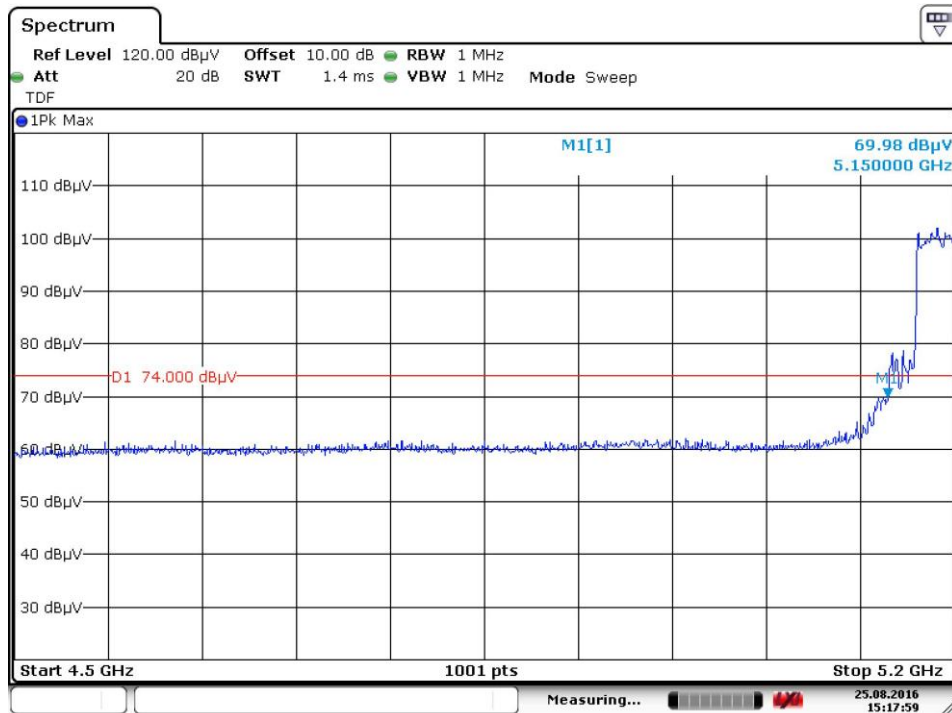


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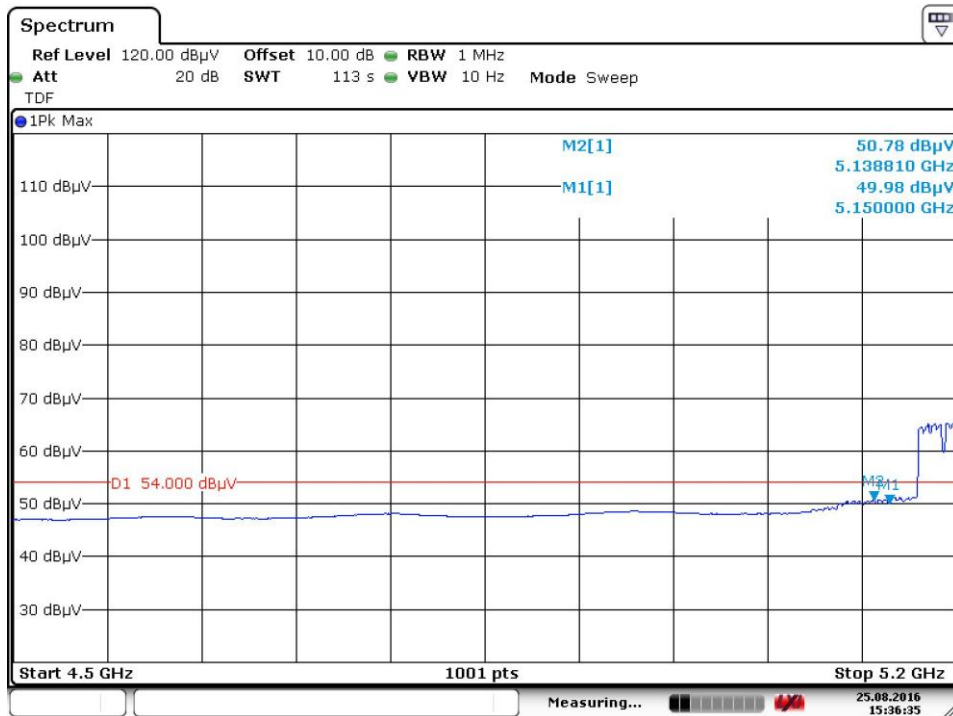
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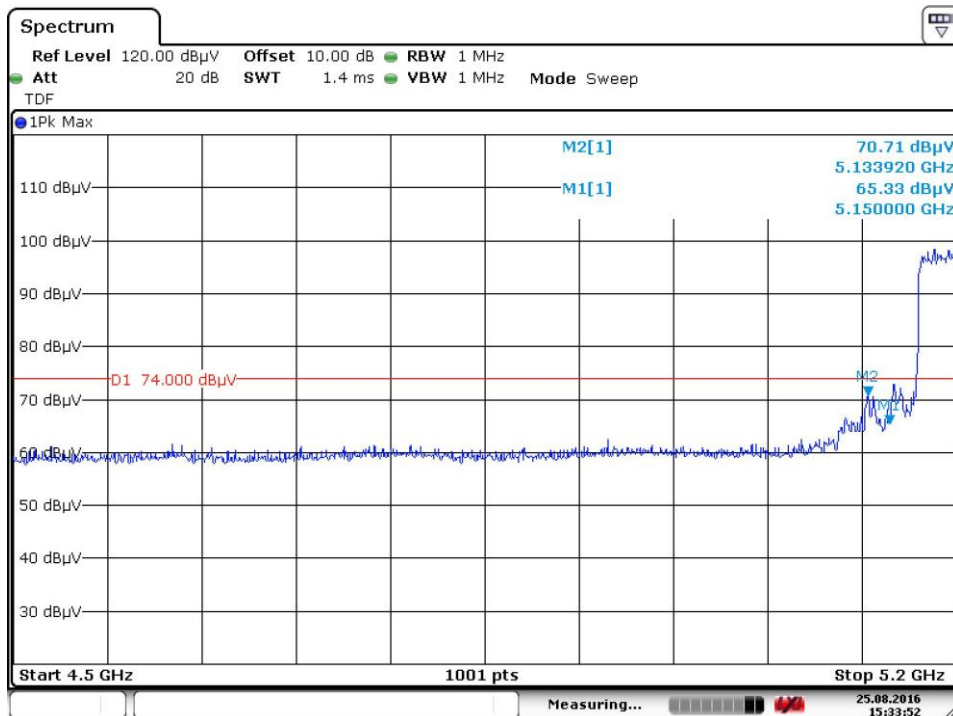
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Radiated Bandedge 11ac 80

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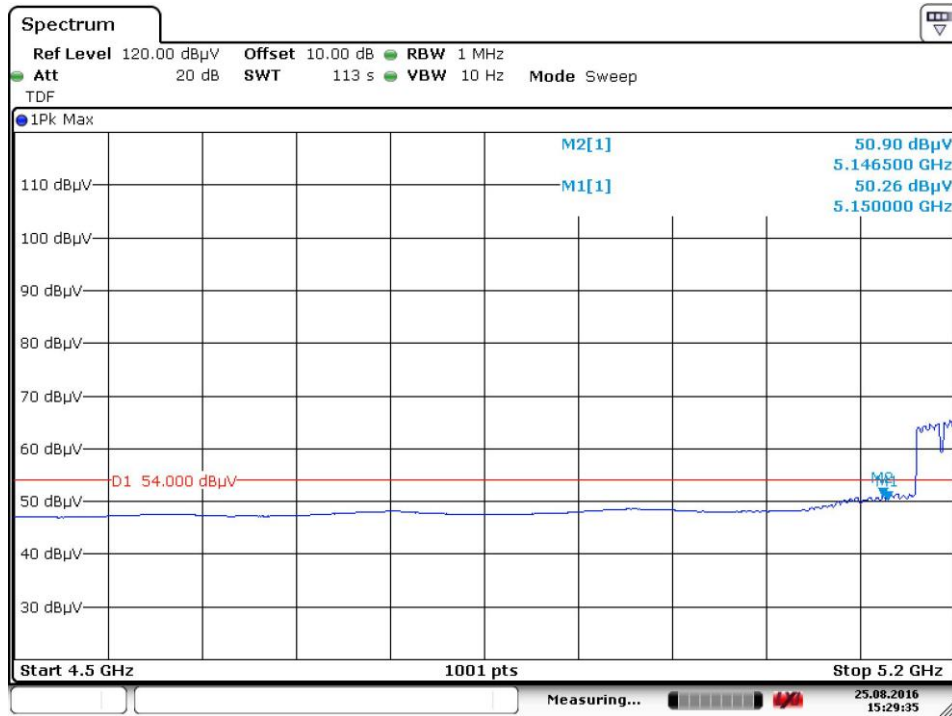


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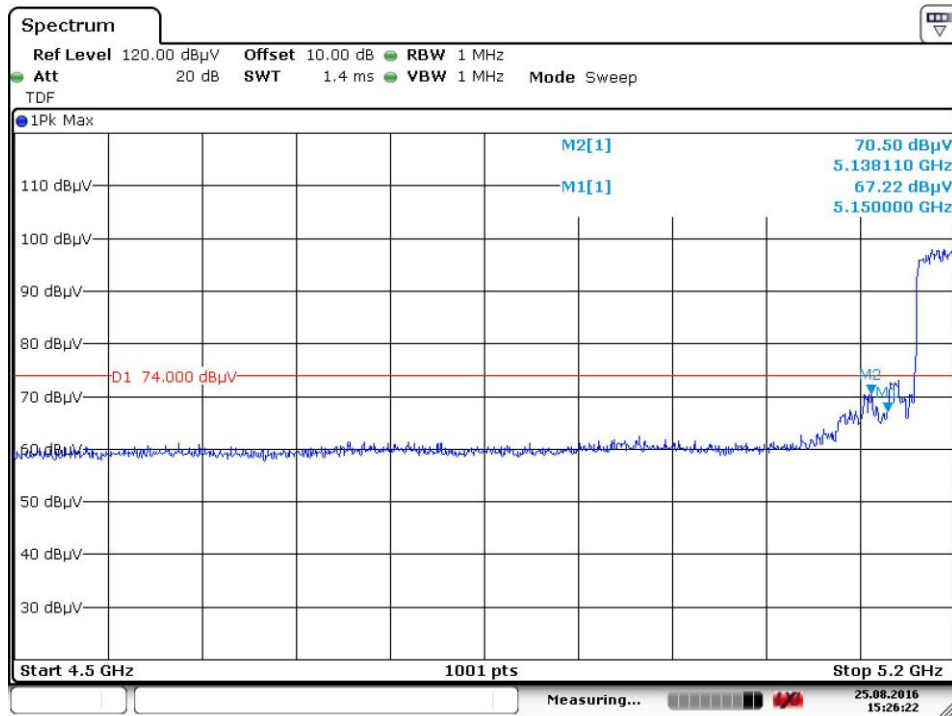


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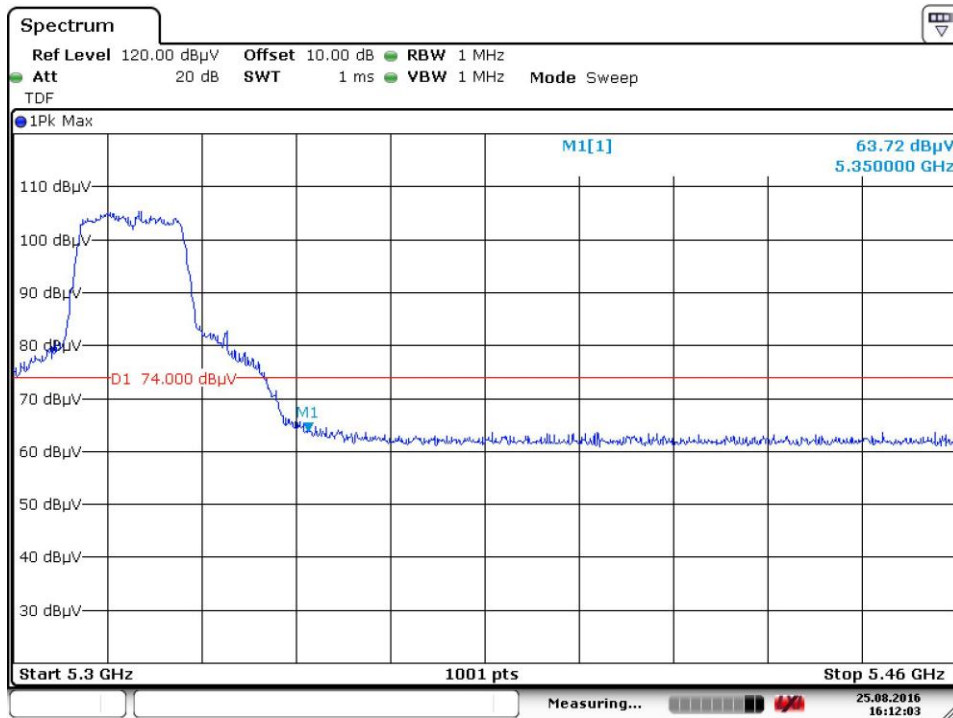
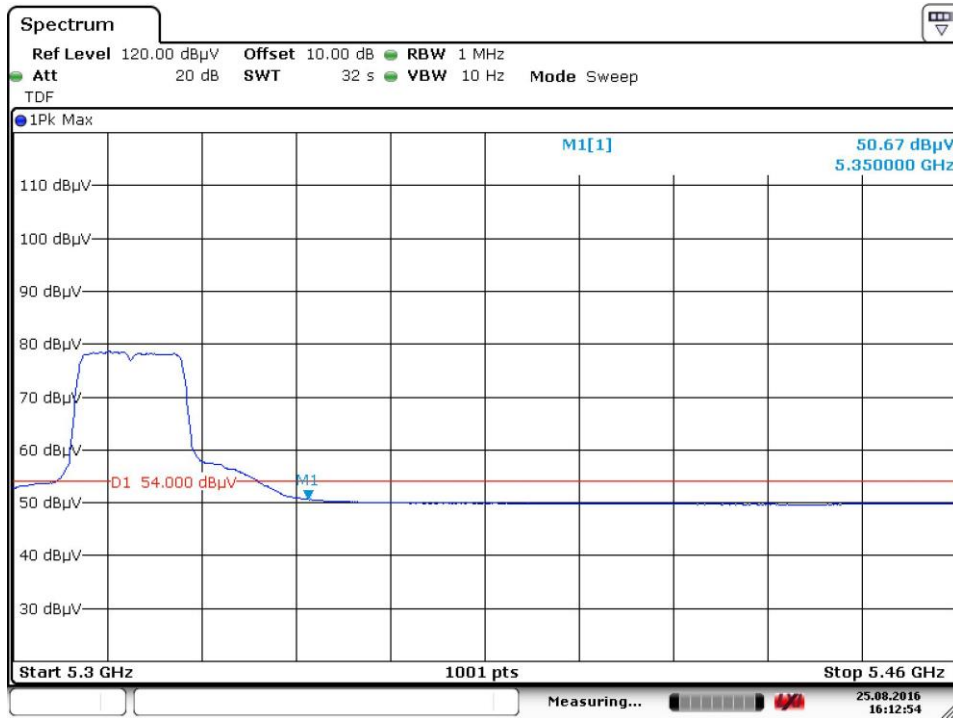
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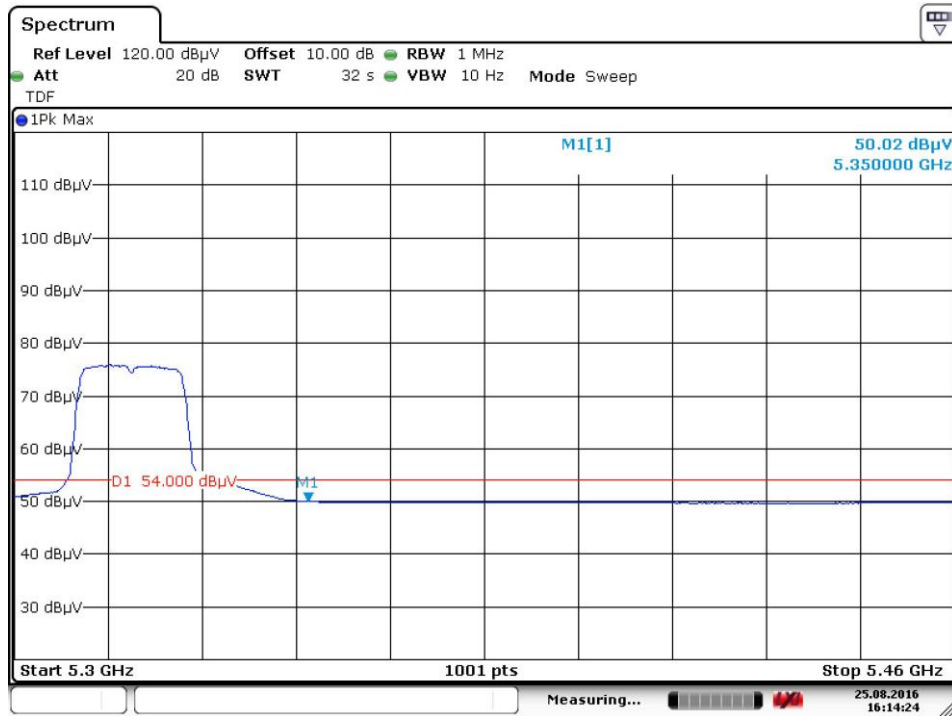
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Radiated Bandedge 11a

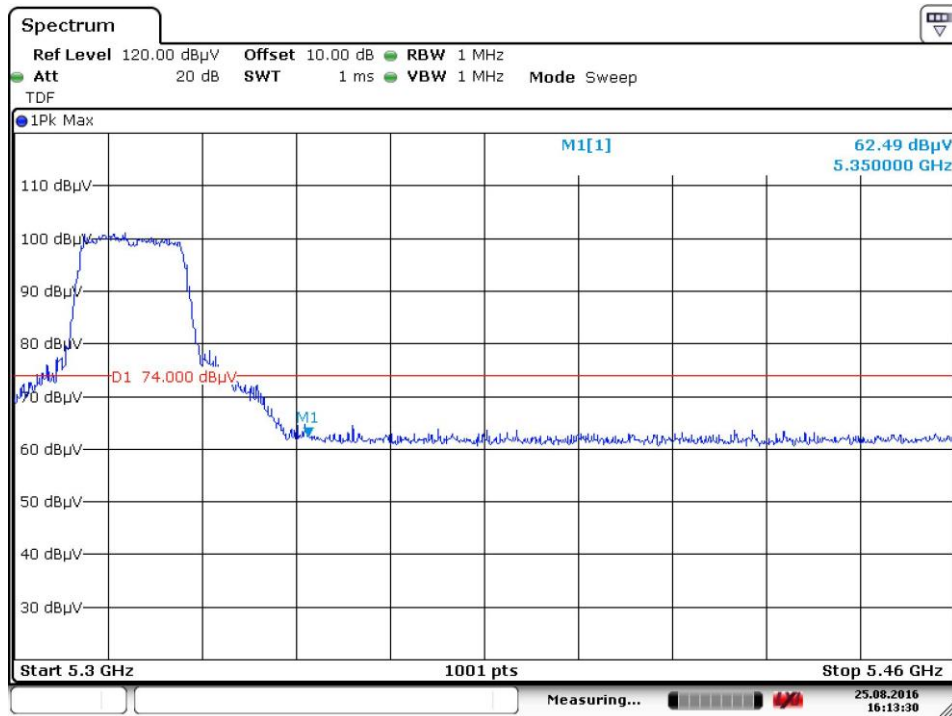
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Low Channel (Ver) 5320



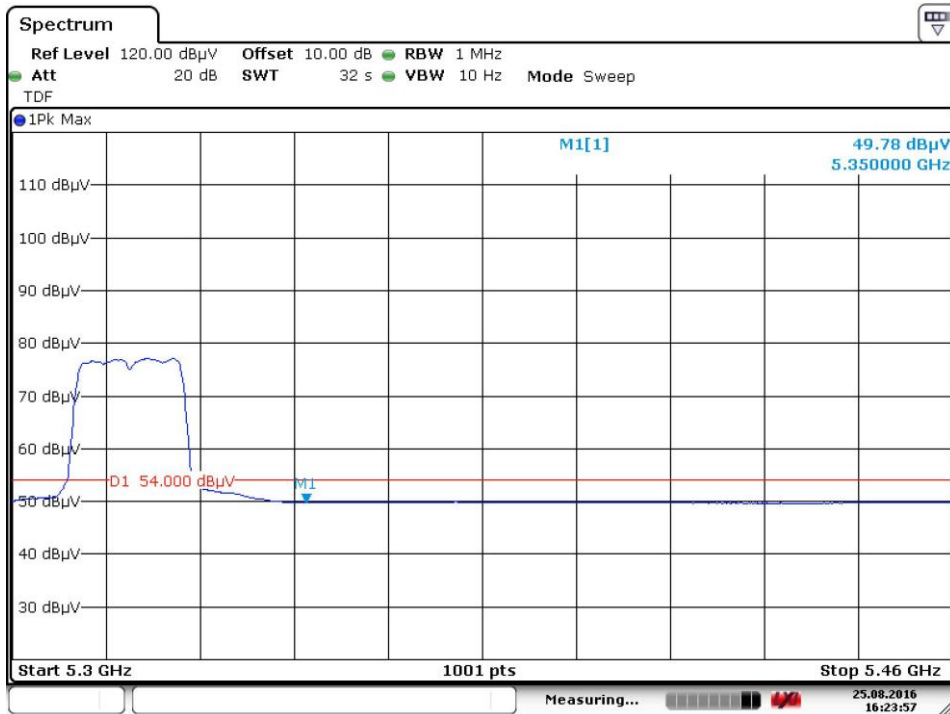
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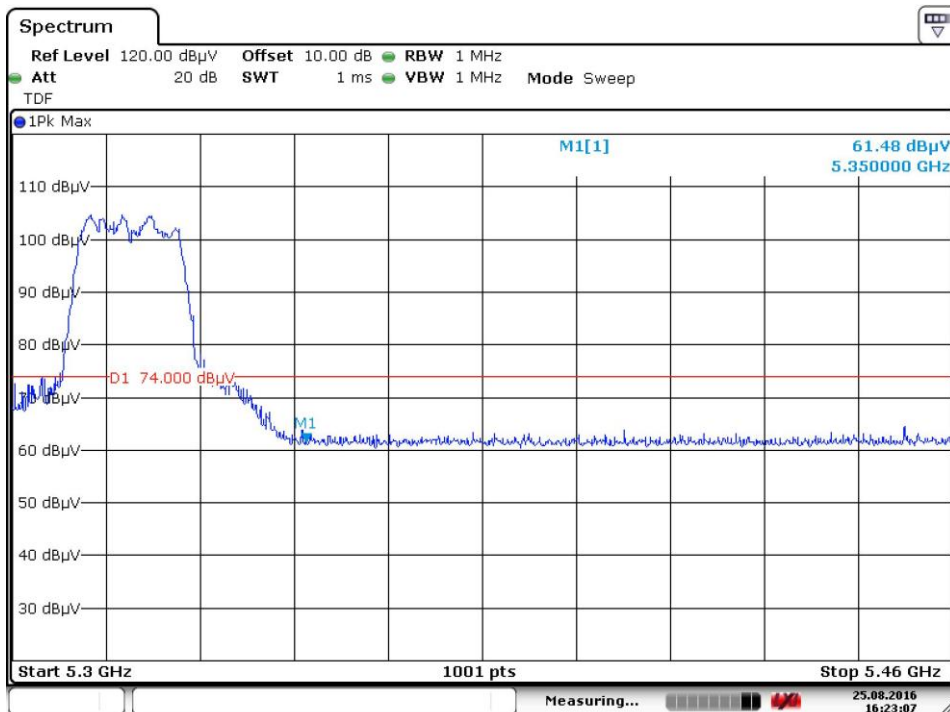
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Radiated Bandedge 11n HT20

Low Channel (Hor) 5320



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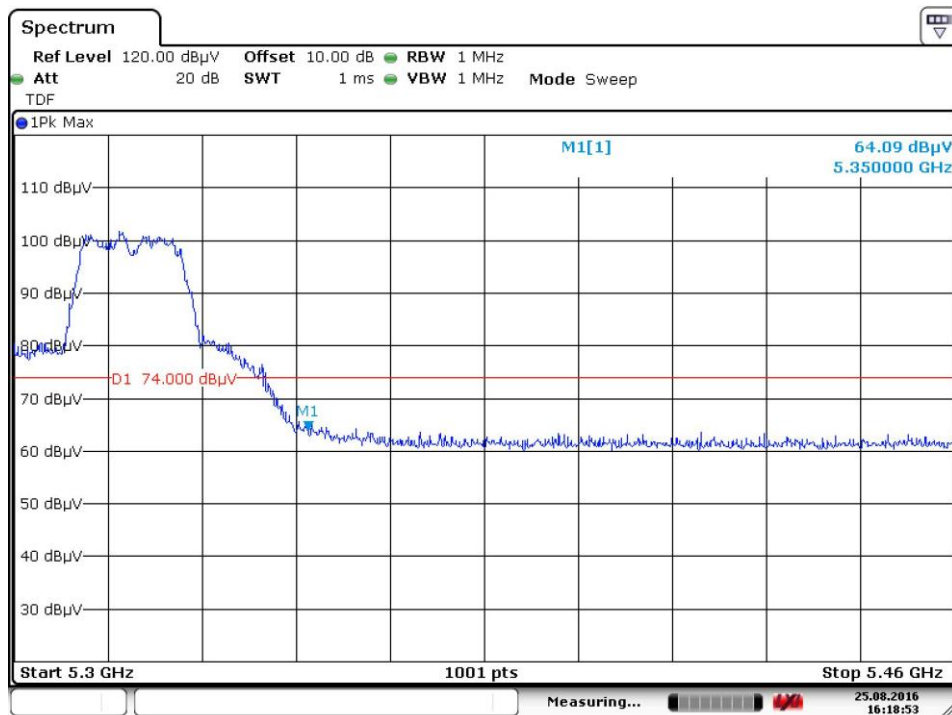


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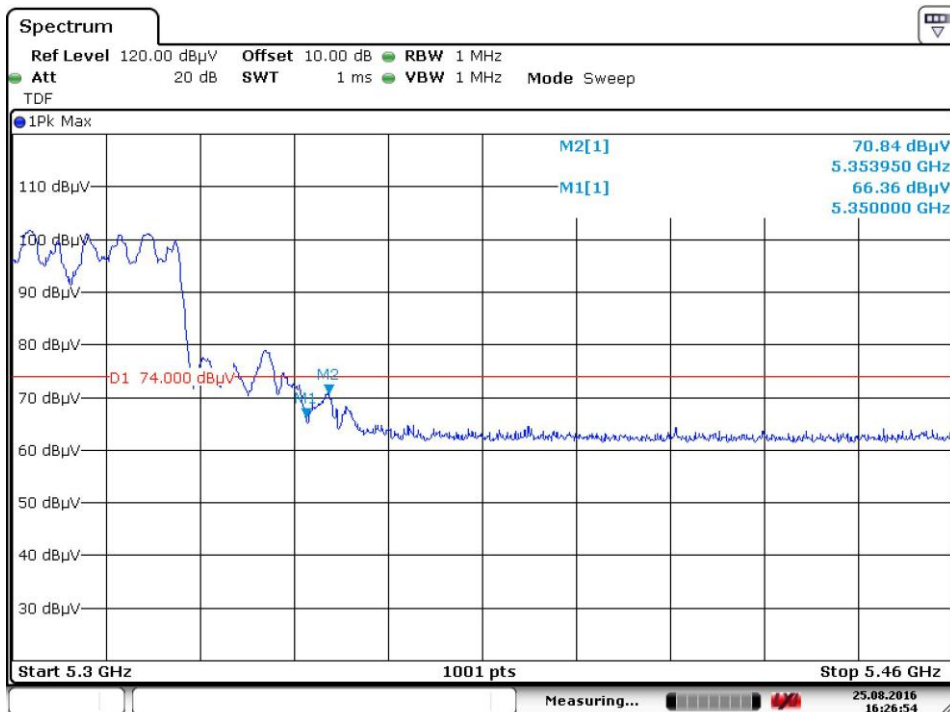
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Radiated Bandedge 11n HT40

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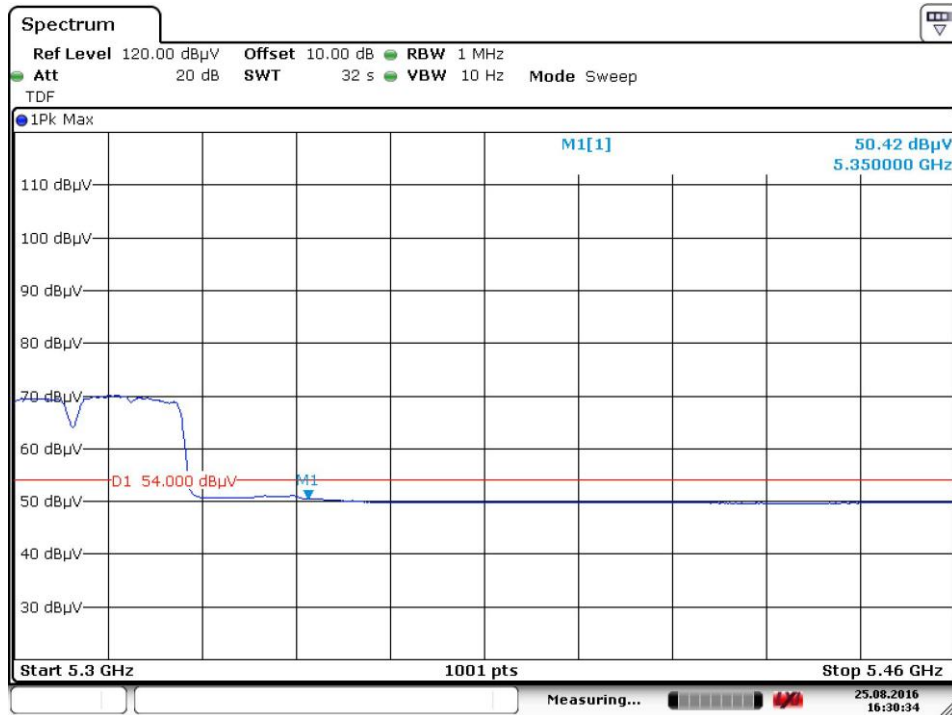


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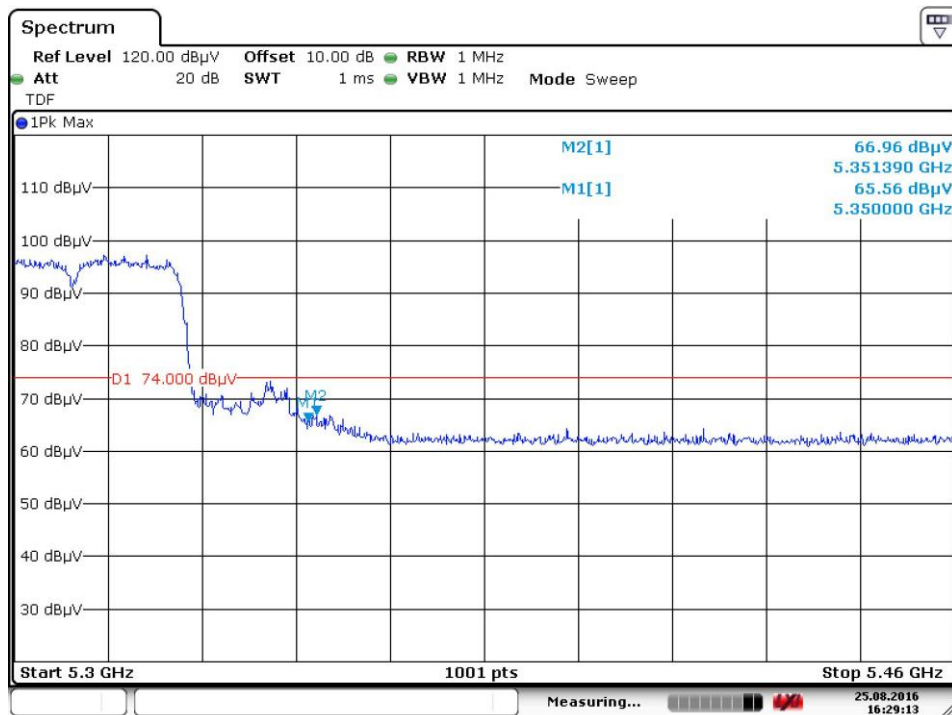


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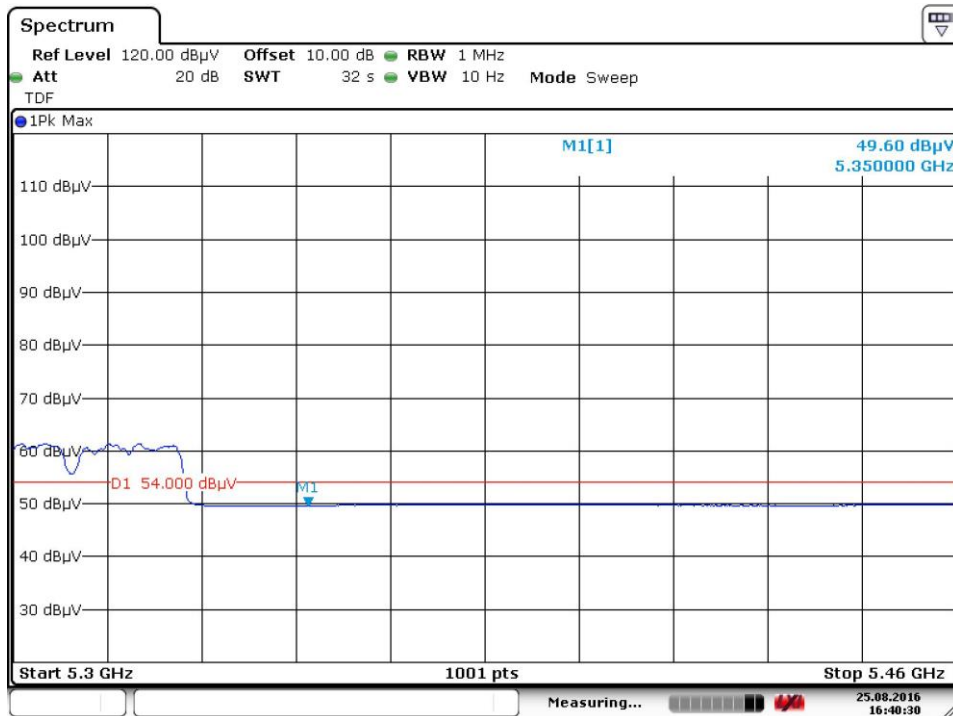
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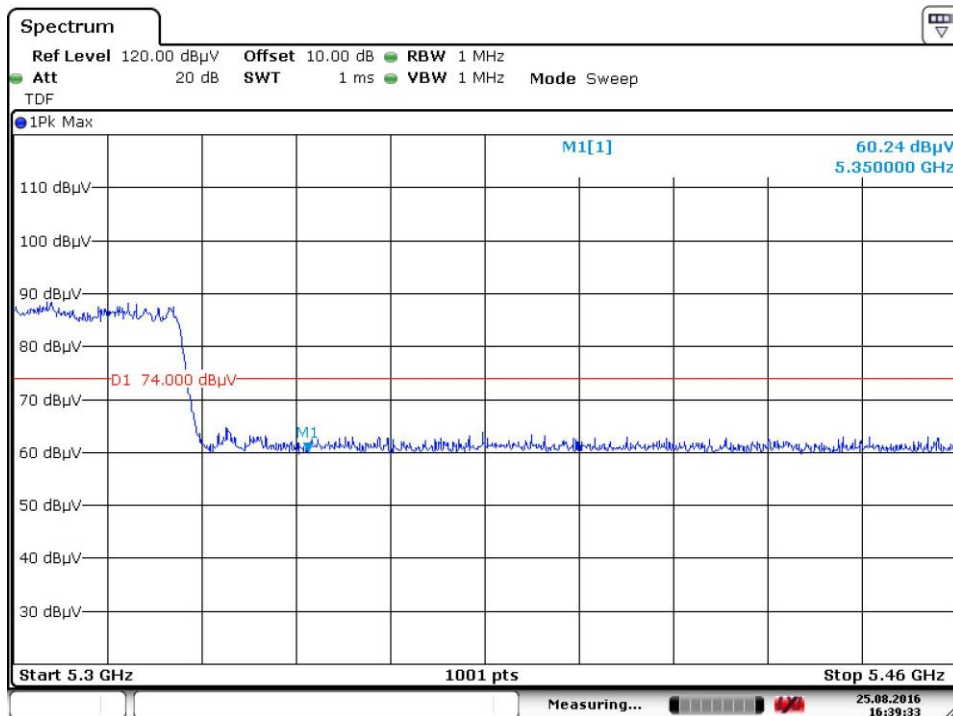
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Radiated Bandedge 11ac 80

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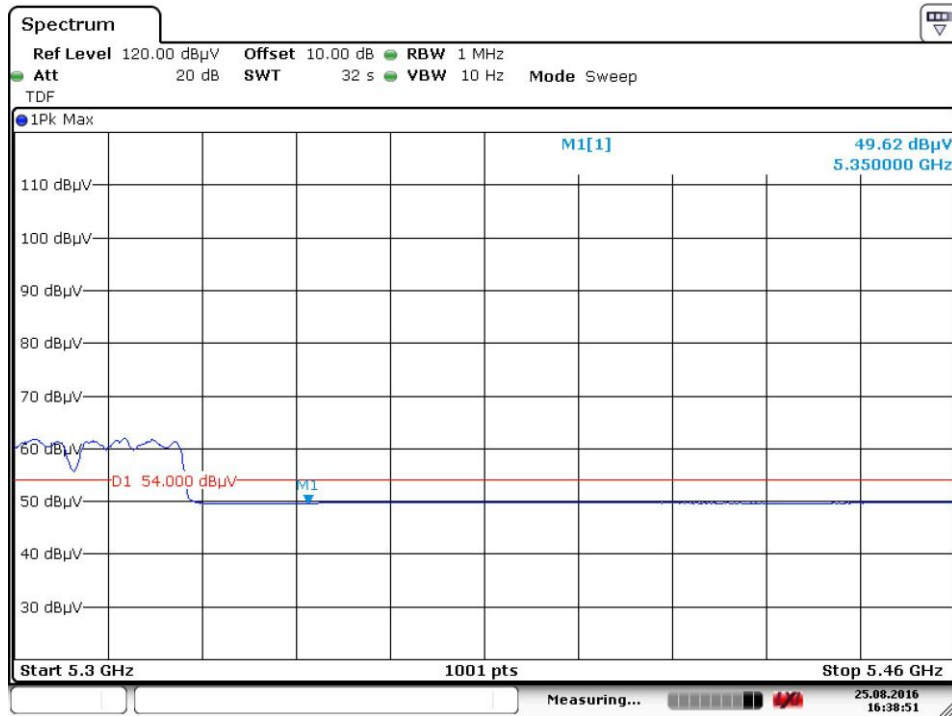


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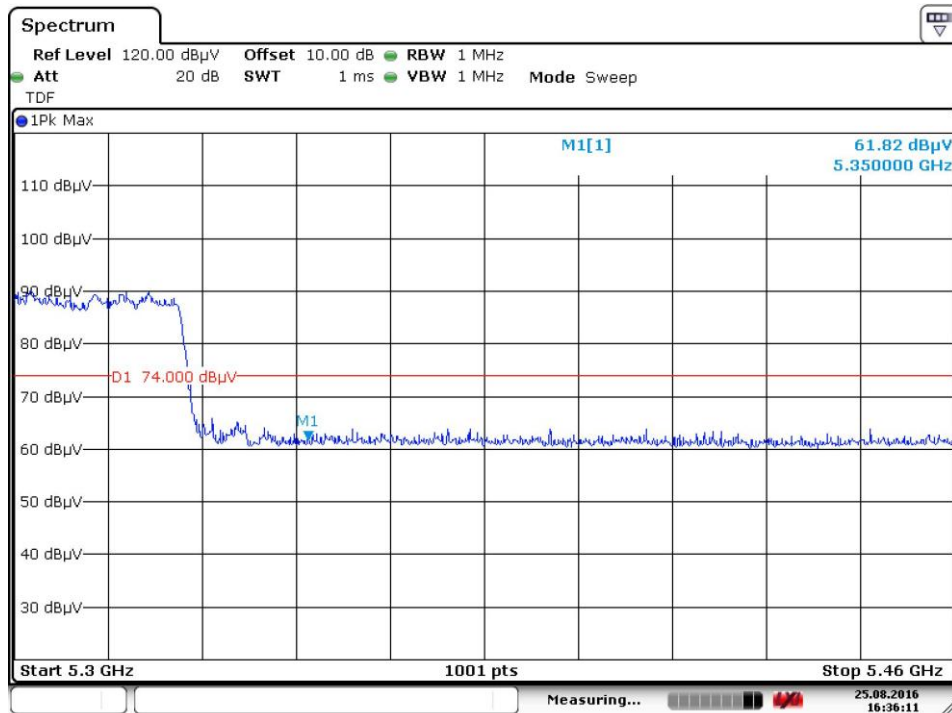


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Low Channel (Ver) 5290



Date: 25.AUG.2016 16:38:52



Date: 25.AUG.2016 16:36:11

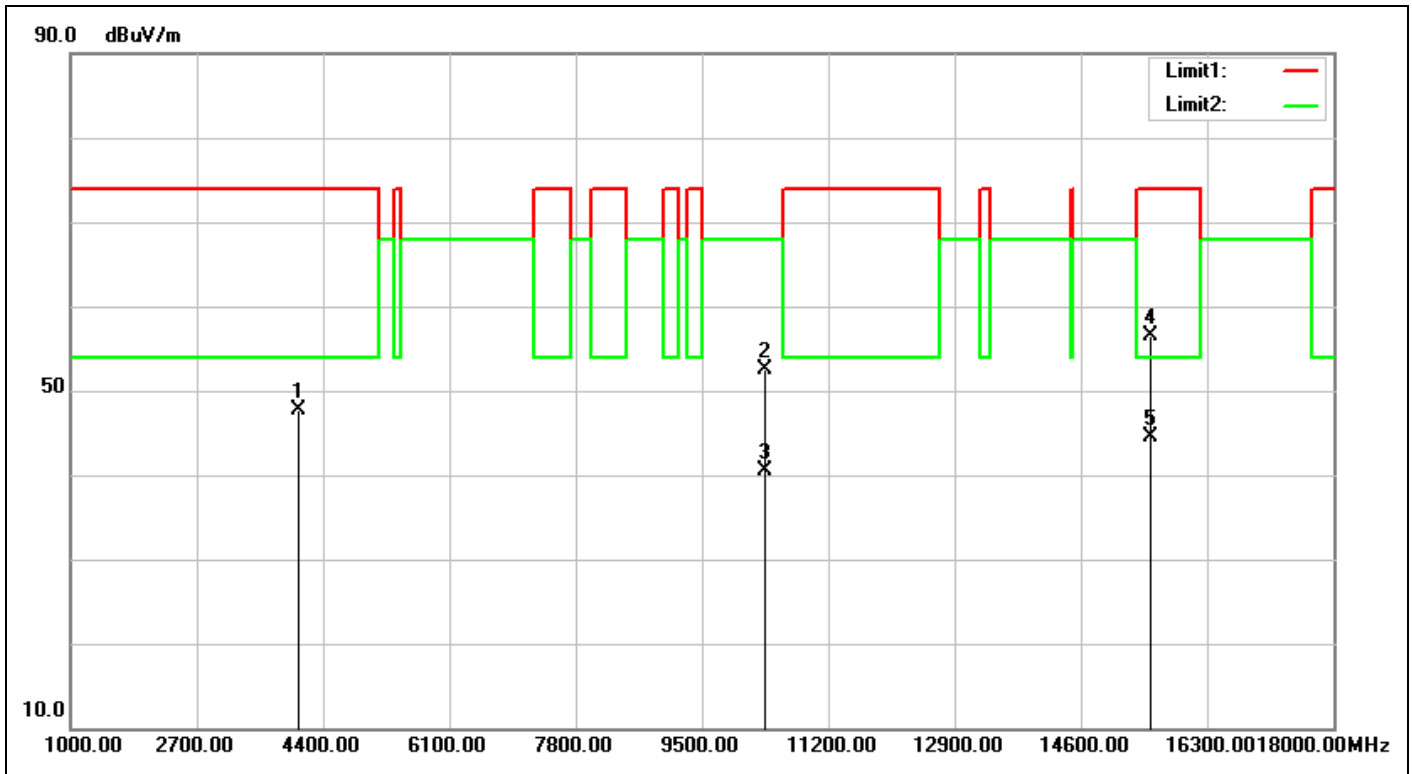
Spurious Emissions, TX Mode, 1-18G , 5150-5250MHz



TUV Taiwan

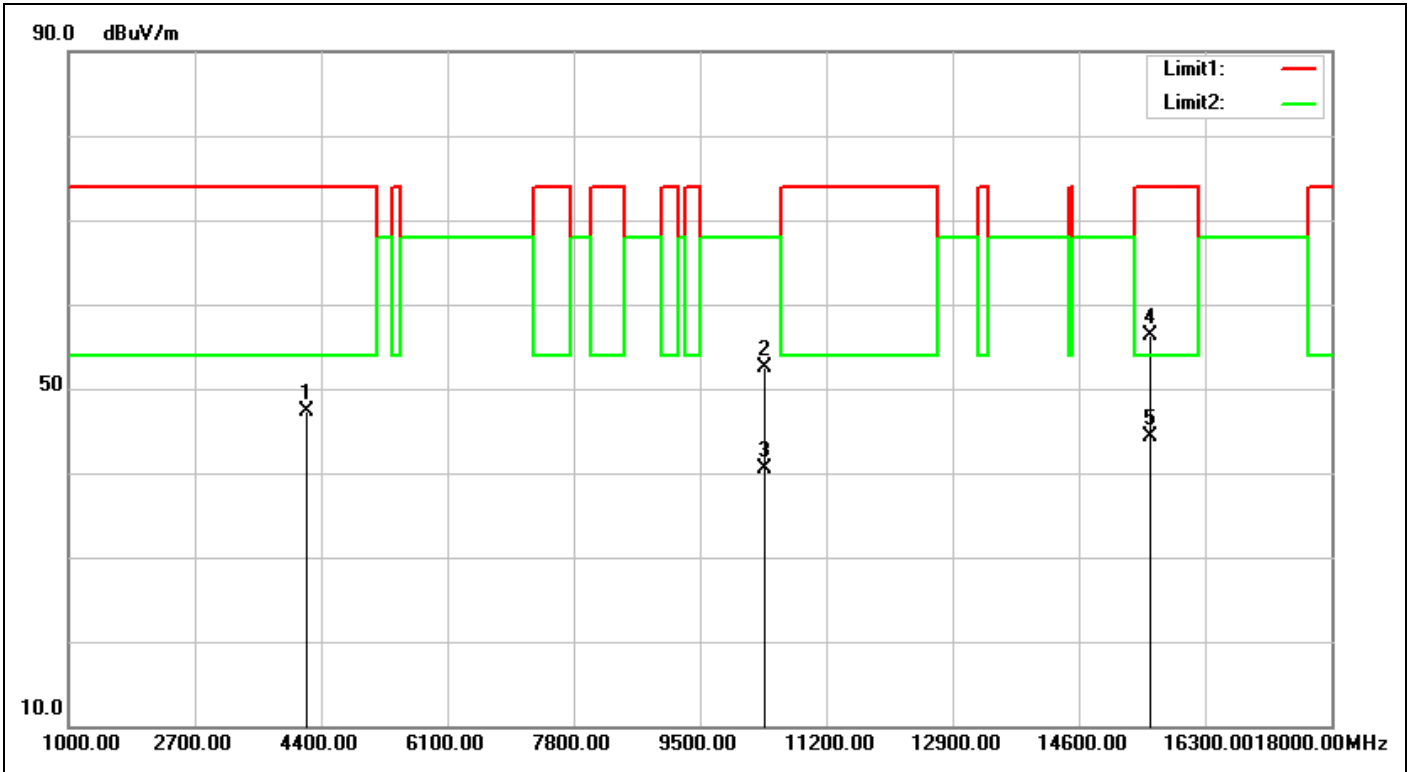
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



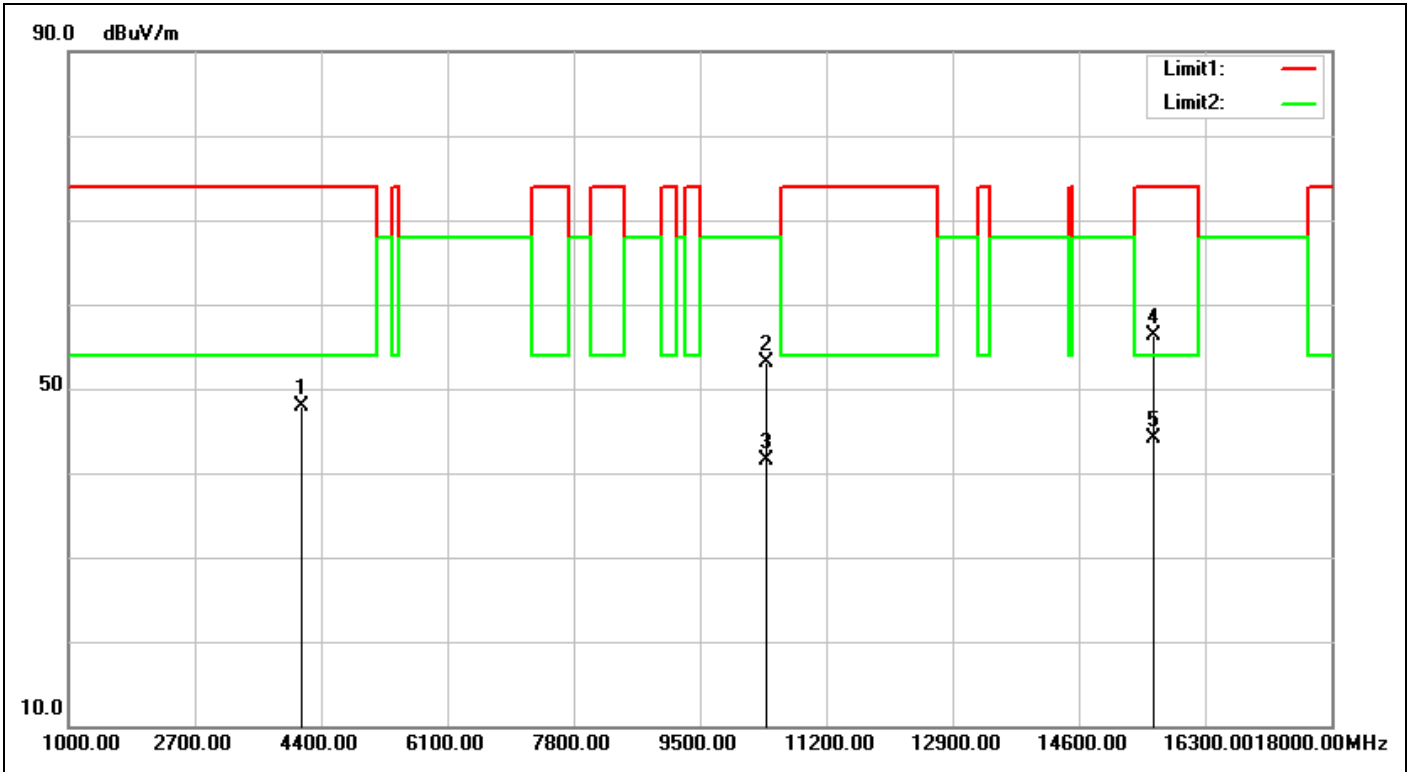
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:12:37
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4077.000	-3.57	51.21	47.64	74.00	-26.36	peak	100	129	
2	10360.000	5.87	46.60	52.47	68.00	-15.53	peak		0	
3	10360.000	5.87	34.63	40.50	68.00	-27.50	AVG		0	
4	15540.000	12.43	44.05	56.48	74.00	-17.52	peak		0	
5	15540.000	12.43	32.17	44.60	54.00	-9.40	AVG		0	



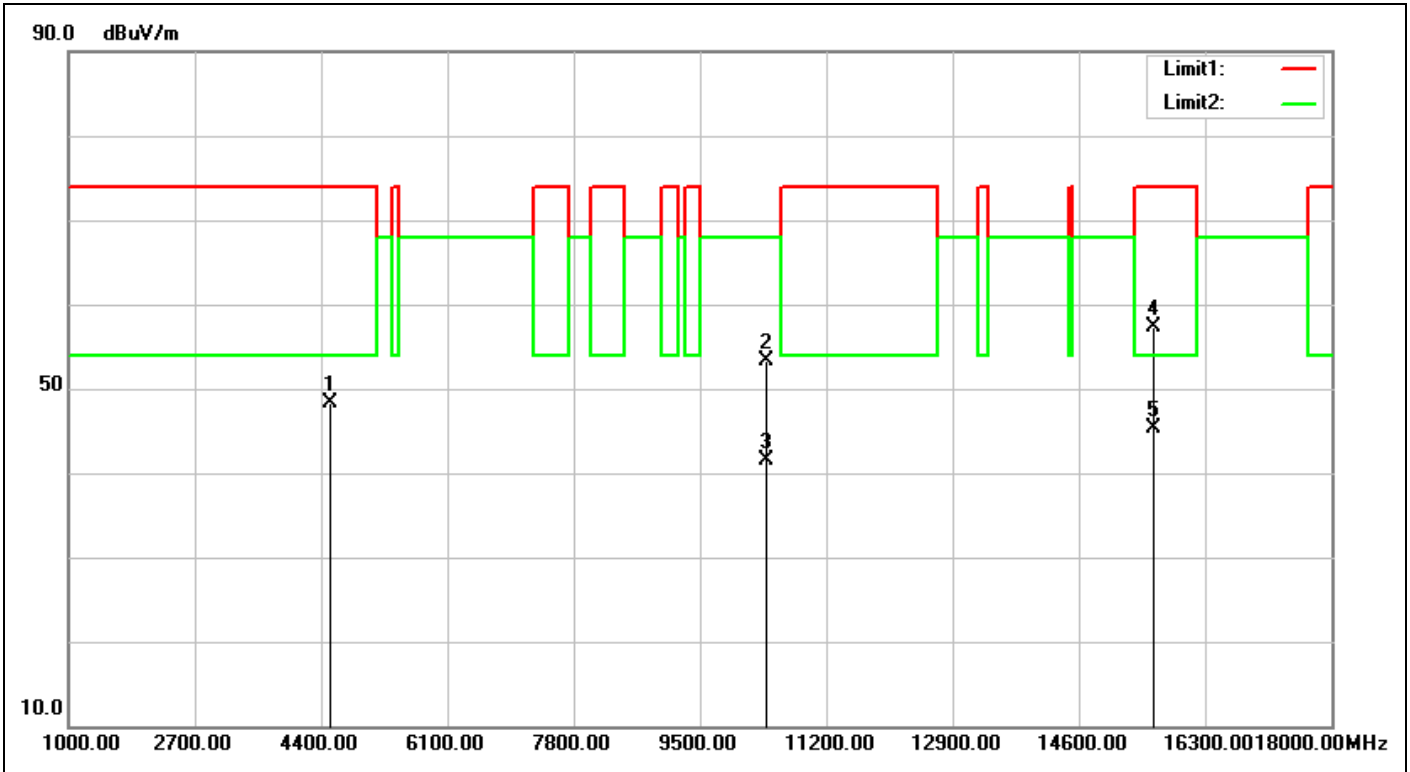
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:13:40
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4196.000	-3.14	50.54	47.40	74.00	-26.60	peak	100	186	
2	10360.000	5.87	46.66	52.53	68.00	-15.47	peak			
3	10360.000	5.87	34.73	40.60	68.00	-27.40	AVG			
4	15540.000	12.43	43.78	56.21	74.00	-17.79	peak			
5	15540.000	12.43	31.87	44.30	54.00	-9.70	AVG			



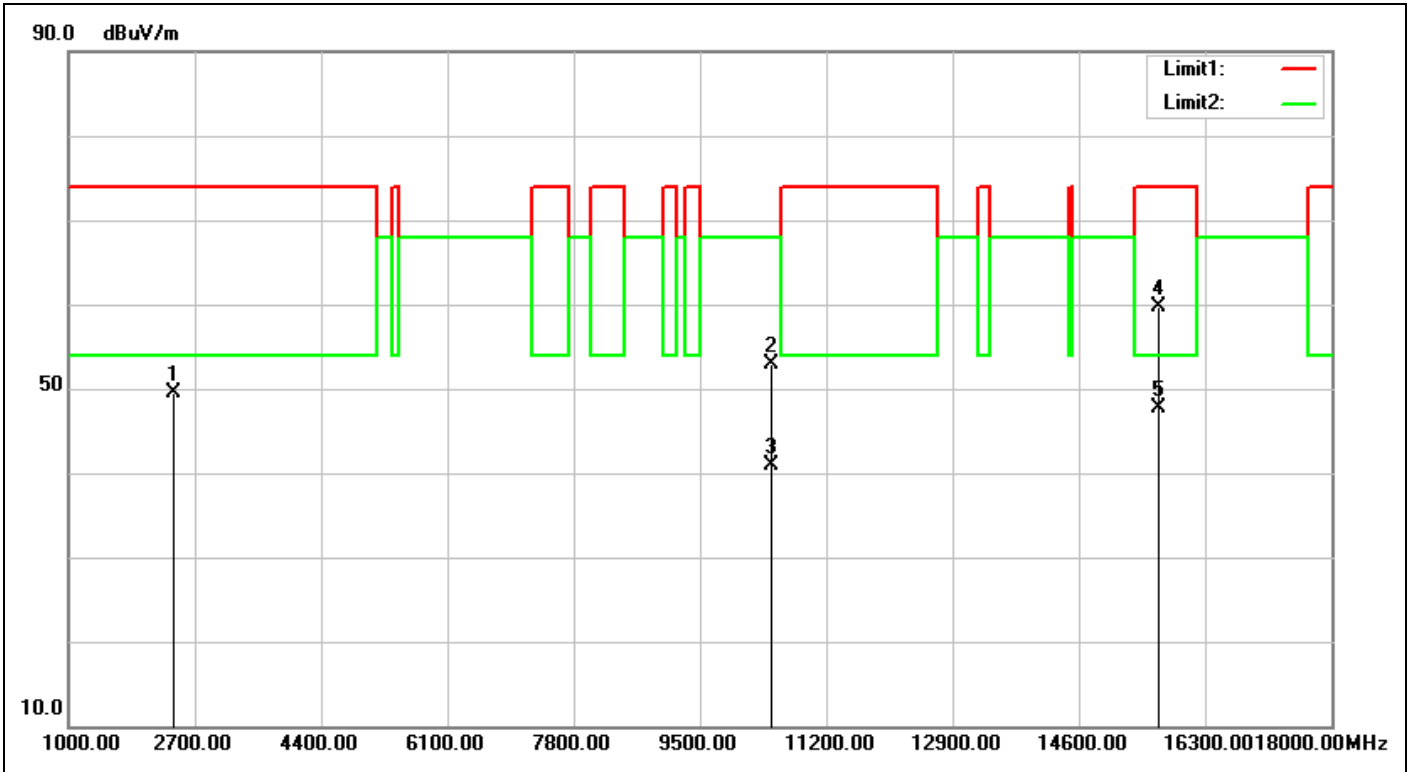
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:27:01
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-3.32	51.30	47.98	74.00	-26.02	peak	100	360	
2	10400.000	5.84	47.17	53.01	68.00	-14.99	peak			
3	10400.000	5.84	35.76	41.60	68.00	-26.40	AVG			
4	15600.000	12.70	43.61	56.31	74.00	-17.69	peak			
5	15600.000	12.70	31.50	44.20	54.00	-9.80	AVG			



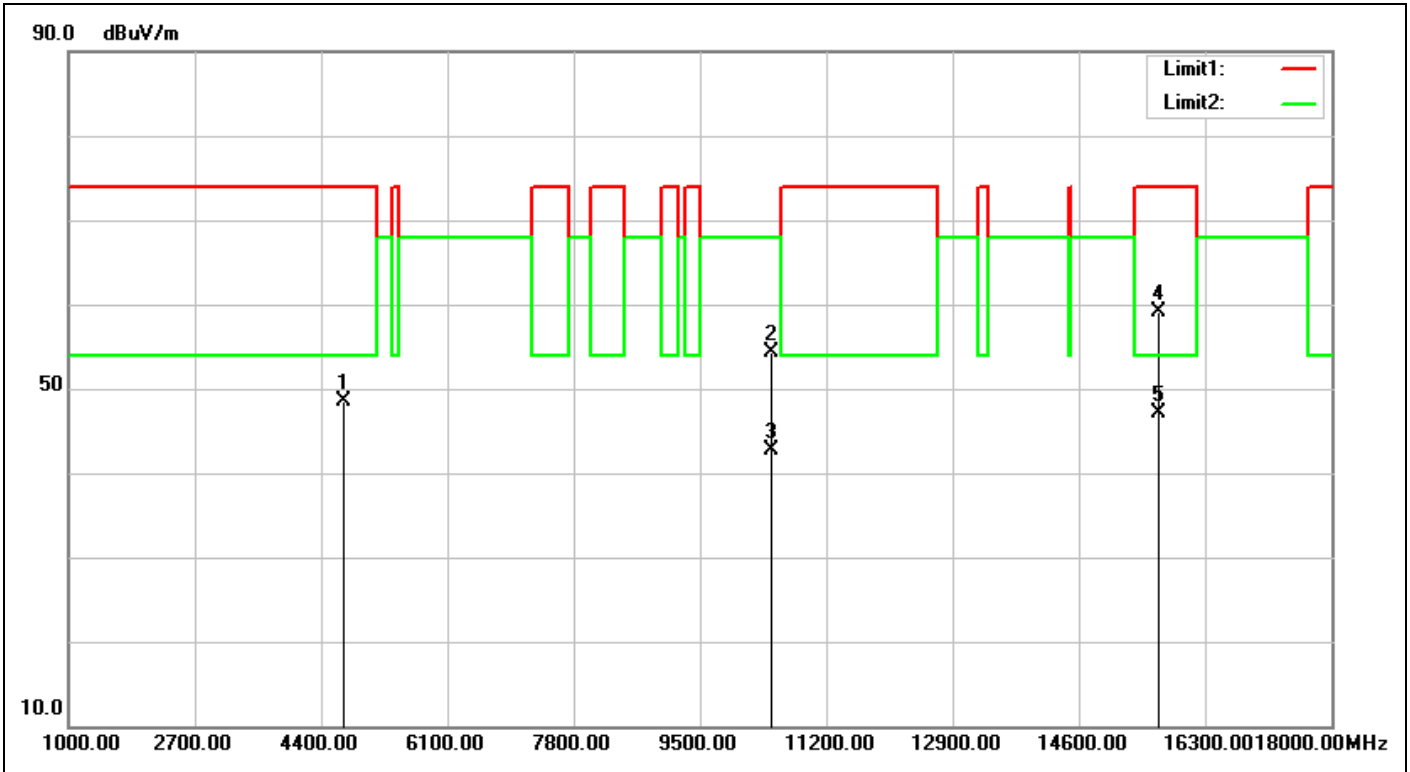
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Test item:	Radiation Emission	Test Time:	2016/8/25 19:28:04
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4519.000	-1.96	50.23	48.27	74.00	-25.73	peak	100	73	
2	10400.000	5.84	47.41	53.25	68.00	-14.75	peak			
3	10400.000	5.84	35.66	41.50	68.00	-26.50	AVG			
4	15600.000	12.70	44.61	57.31	74.00	-16.69	peak			
5	15600.000	12.70	32.70	45.40	54.00	-8.60	AVG			



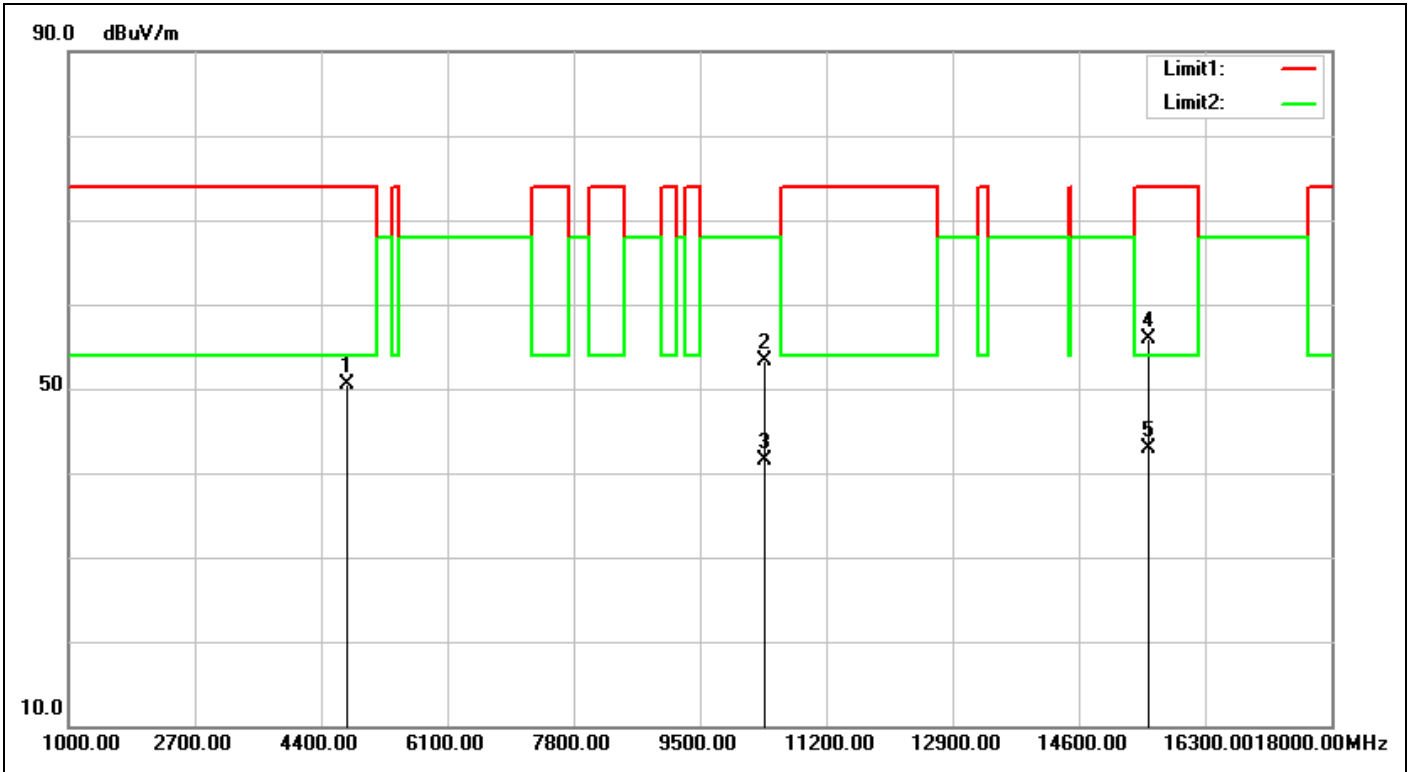
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Test item:	Radiation Emission	Test Time:	2016/8/25 19:30:17
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2411.000	-6.16	55.61	49.45	74.00	-24.55	peak	100	191	
2	10440.000	5.79	47.02	52.81	68.00	-15.19	peak			
3	10440.000	5.79	35.11	40.90	68.00	-27.10	AVG			
4	15660.000	12.96	46.80	59.76	74.00	-14.24	peak			
5	15660.000	12.96	34.84	47.80	54.00	-6.20	AVG			



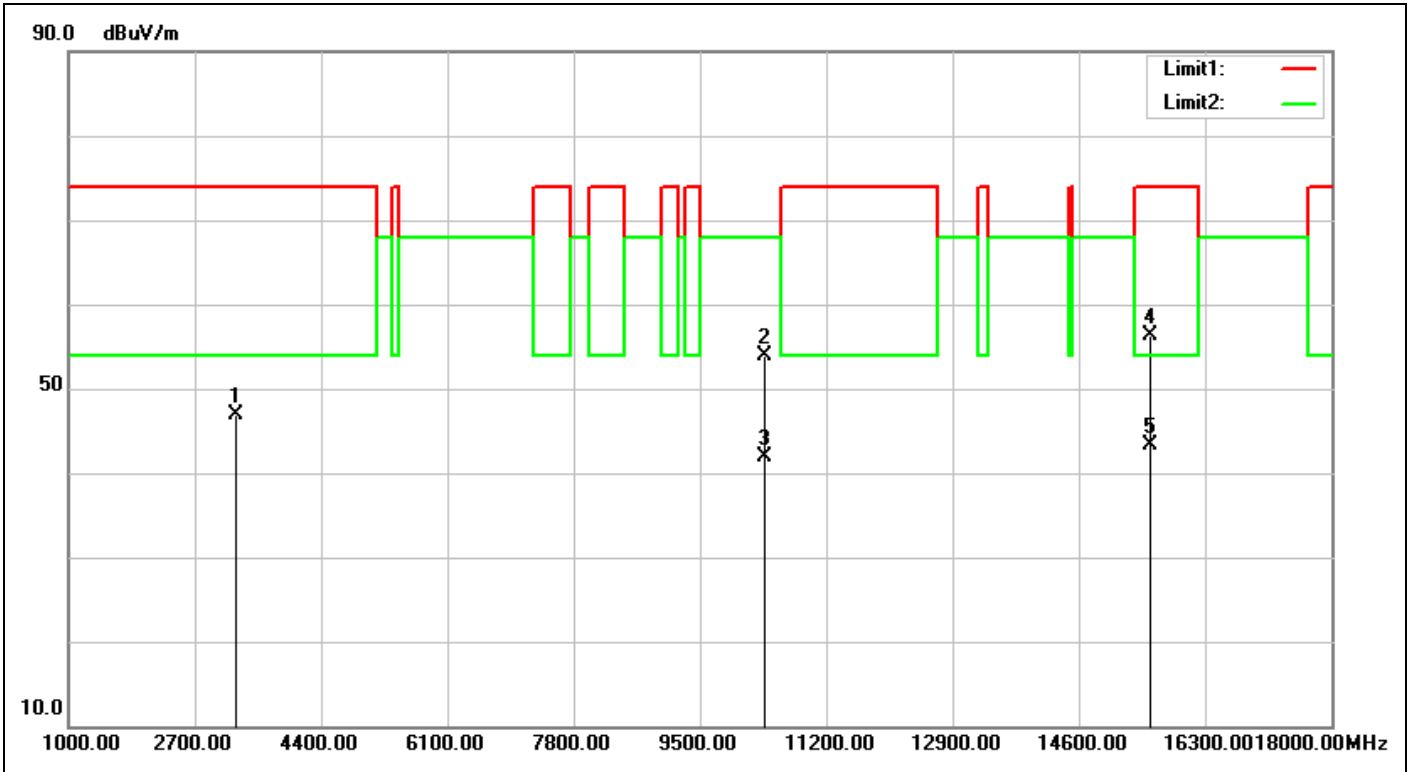
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:31:20
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4706.000	-1.76	50.35	48.59	74.00	-25.41	peak	100	358	
2	10440.000	5.79	48.43	54.22	68.00	-13.78	peak			
3	10440.000	5.79	37.01	42.80	68.00	-25.20	AVG			
4	15660.000	12.96	46.23	59.19	74.00	-14.81	peak			
5	15660.000	12.96	34.24	47.20	54.00	-6.80	AVG			



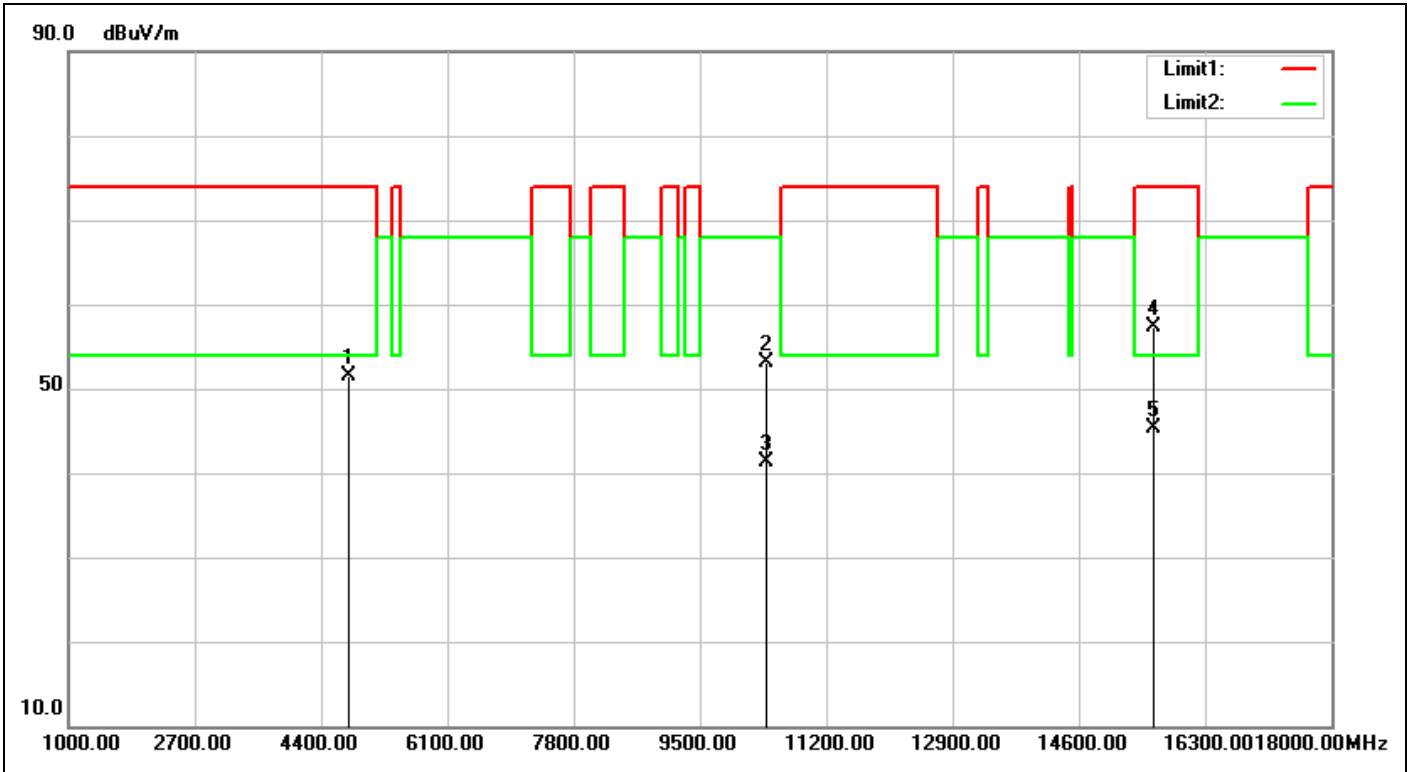
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Test item:	Radiation Emission	Test Time:	2016/8/25 19:33:51
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	52.18	50.47	74.00	-23.53	peak	100	354	
2	10360.000	5.87	47.38	53.25	68.00	-14.75	peak			
3	10360.000	5.87	35.63	41.50	68.00	-26.50	AVG			
4	15540.000	12.43	43.47	55.90	74.00	-18.10	peak			
5	15540.000	12.43	30.47	42.90	54.00	-11.10	AVG			



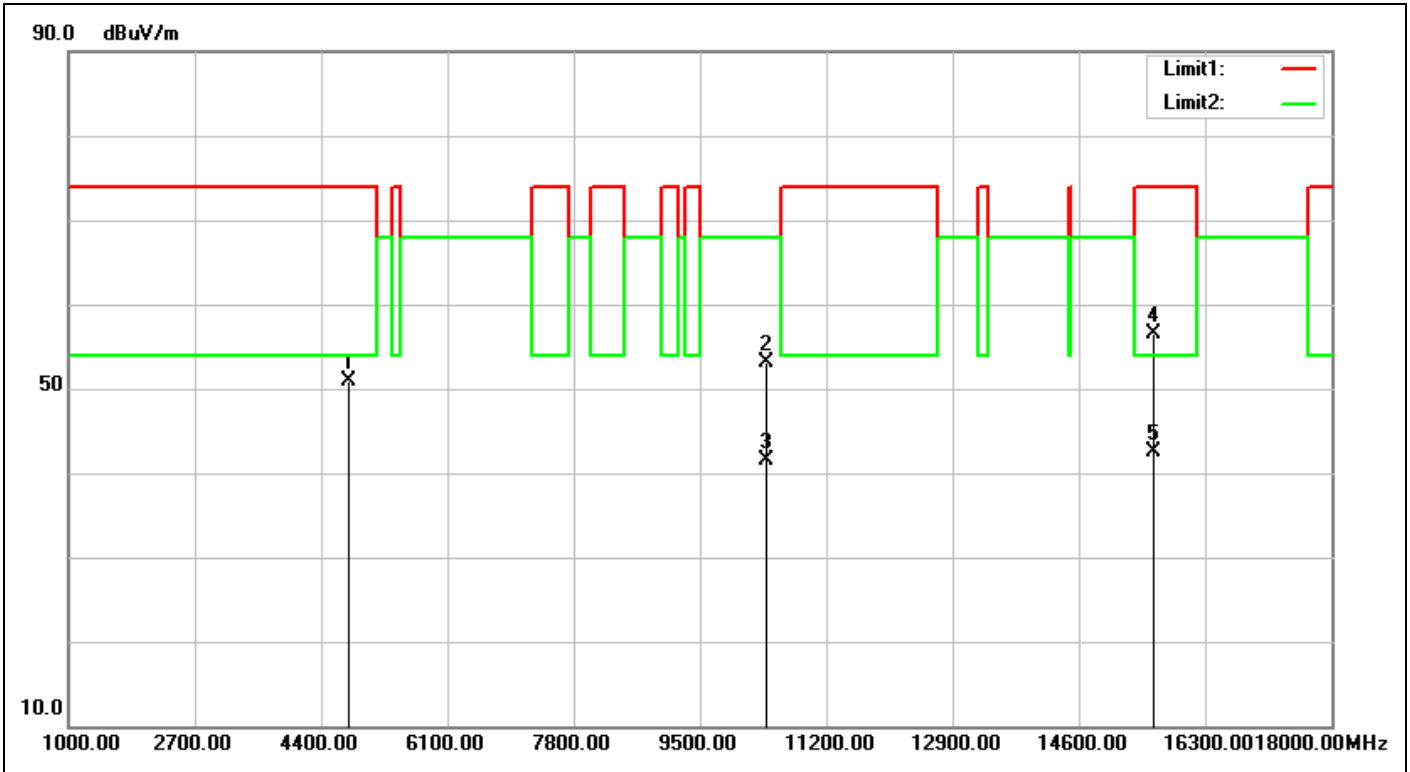
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:34:53
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3244.000	-5.06	51.87	46.81	74.00	-27.19	peak	100	29	
2	10360.000	5.87	48.05	53.92	68.00	-14.08	peak			
3	10360.000	5.87	36.13	42.00	68.00	-26.00	AVG			
4	15540.000	12.43	43.82	56.25	74.00	-17.75	peak			
5	15540.000	12.43	30.87	43.30	54.00	-10.70	AVG			



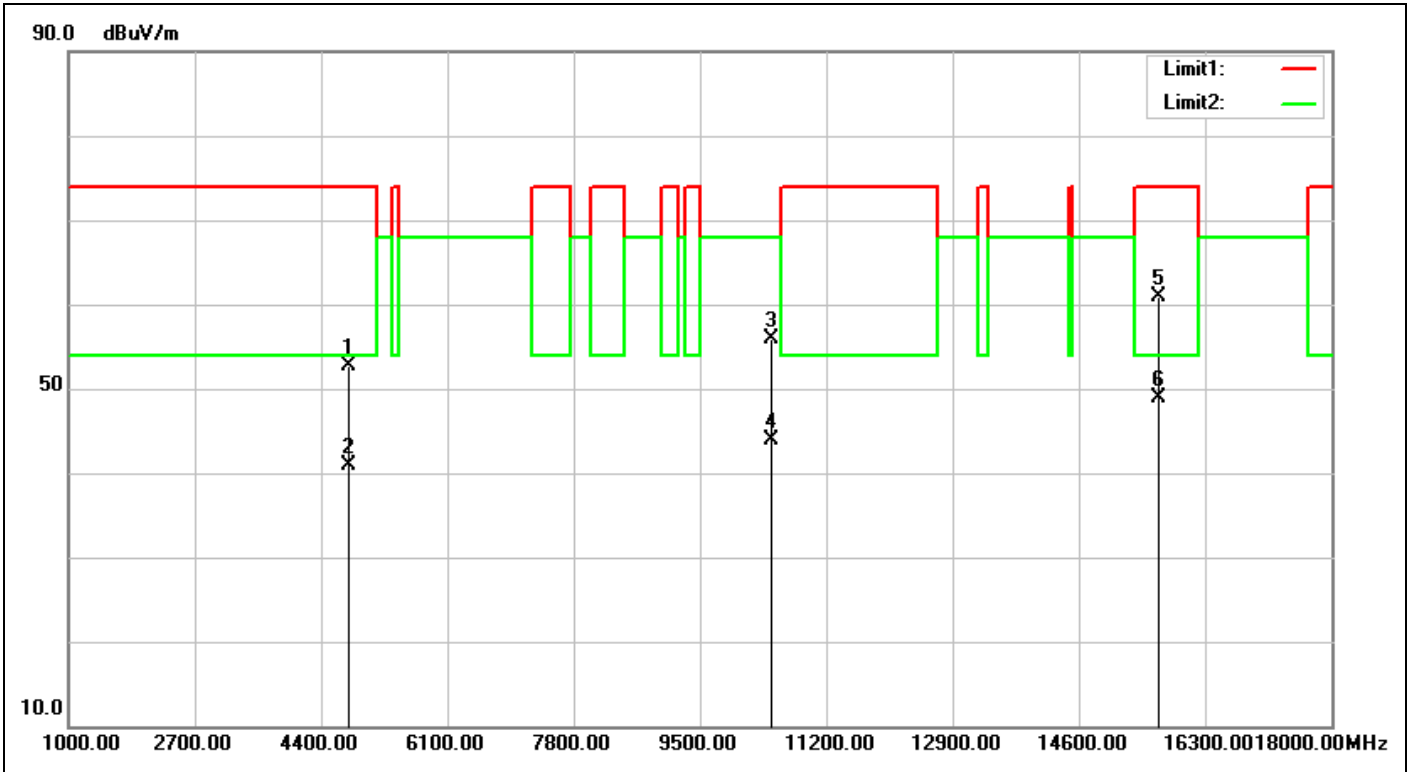
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Test item:	Radiation Emission	Test Time:	2016/8/25 19:42:00
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4774.000	-1.69	53.11	51.42	74.00	-22.58	peak	100	296	
2	10400.000	5.84	47.29	53.13	68.00	-14.87	peak			
3	10400.000	5.84	35.46	41.30	68.00	-26.70	AVG			
4	15600.000	12.70	44.51	57.21	74.00	-16.79	peak			
5	15600.000	12.70	32.70	45.40	54.00	-8.60	AVG			



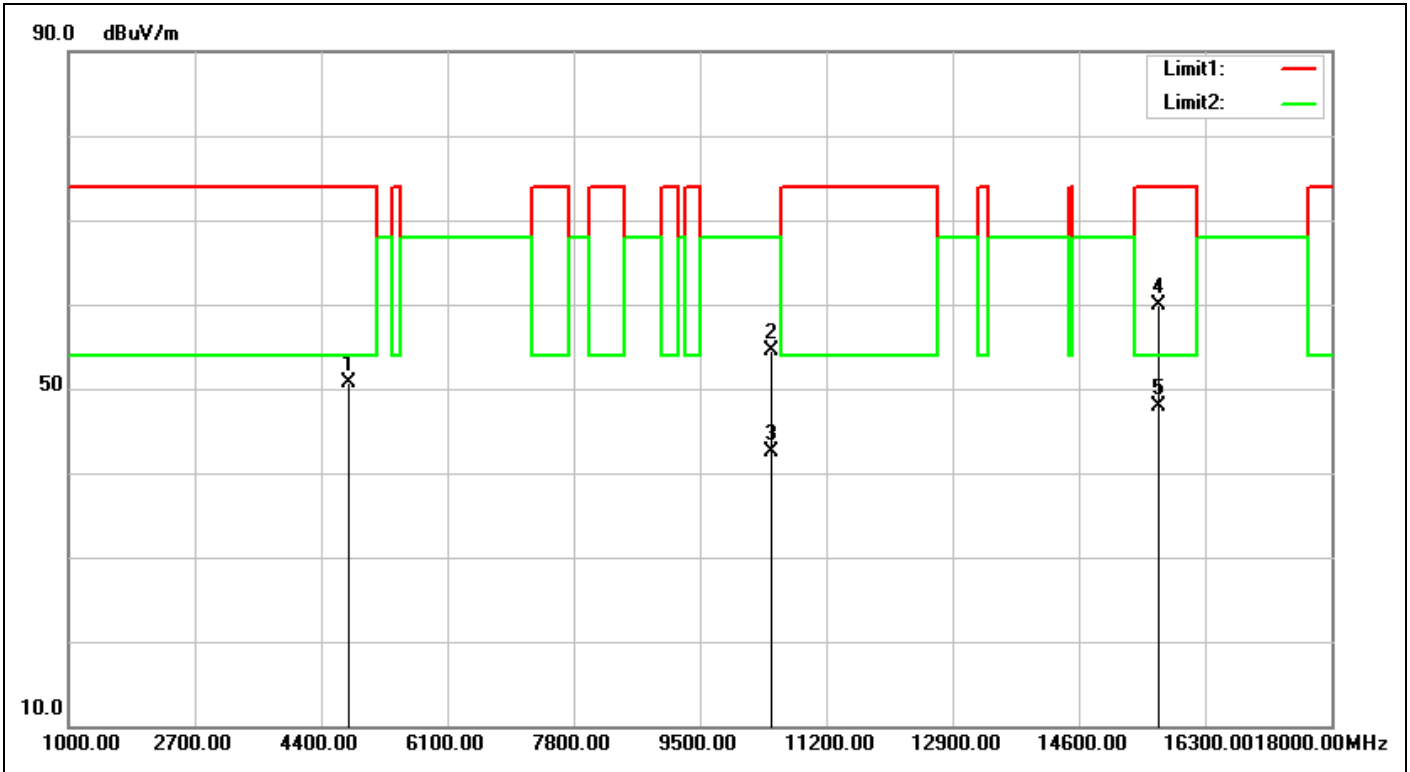
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:43:03
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4774.000	-1.69	52.59	50.90	74.00	-23.10	peak	100	252	
2	10400.000	5.84	47.27	53.11	68.00	-14.89	peak			
3	10400.000	5.84	35.66	41.50	68.00	-26.50	AVG			
4	15600.000	12.70	43.81	56.51	74.00	-17.49	peak			
5	15600.000	12.70	29.90	42.60	54.00	-11.40	AVG			



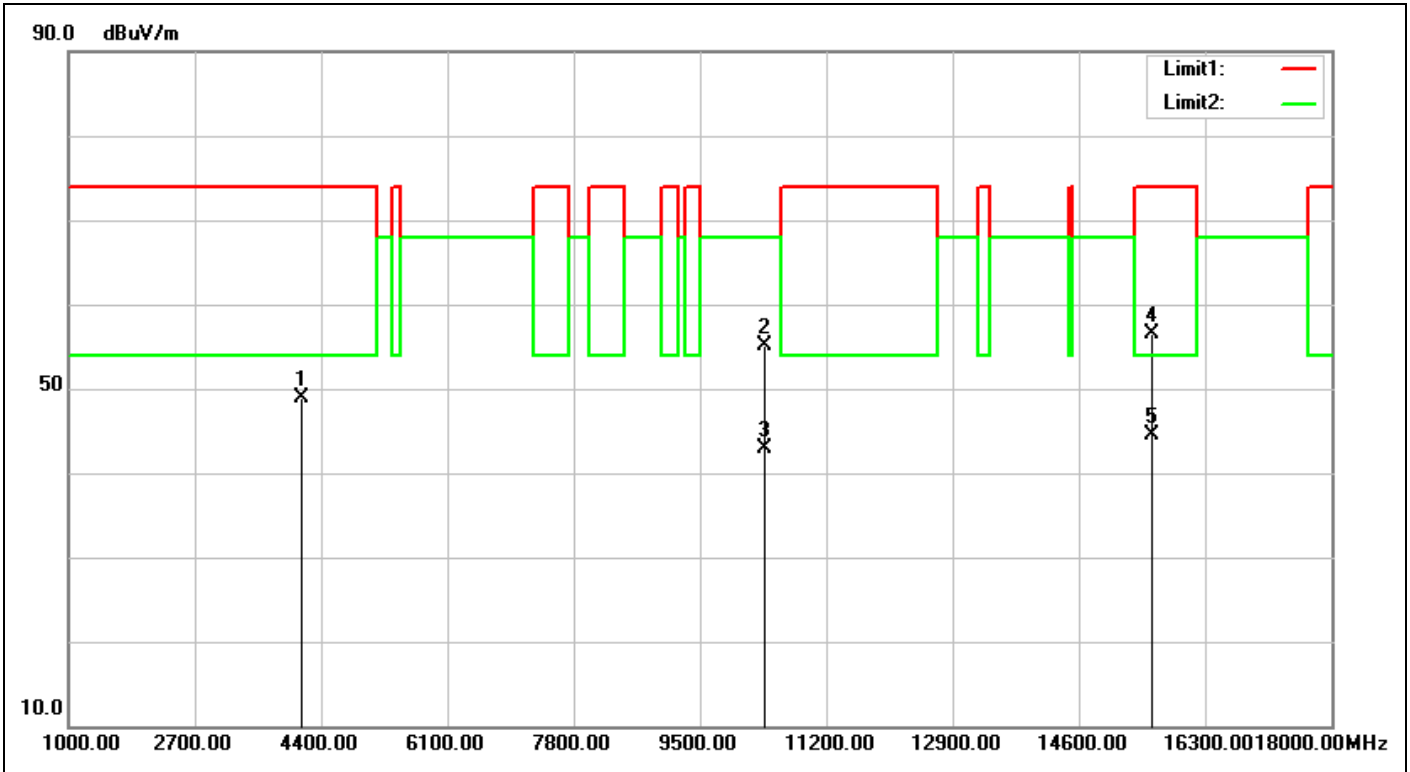
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:46:16
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4774.000	-1.69	54.47	52.78	74.00	-21.22	peak	100	307	
2	4774.000	-1.69	42.59	40.90	54.00	-13.10	AVG	100	307	
3	10440.000	5.79	50.13	55.92	68.00	-12.08	peak	100	326	
4	10440.000	5.79	38.21	44.00	68.00	-24.00	AVG	100	326	
5	15660.000	12.96	48.00	60.96	74.00	-13.04	peak			
6	15660.000	12.96	36.04	49.00	54.00	-5.00	AVG		0	



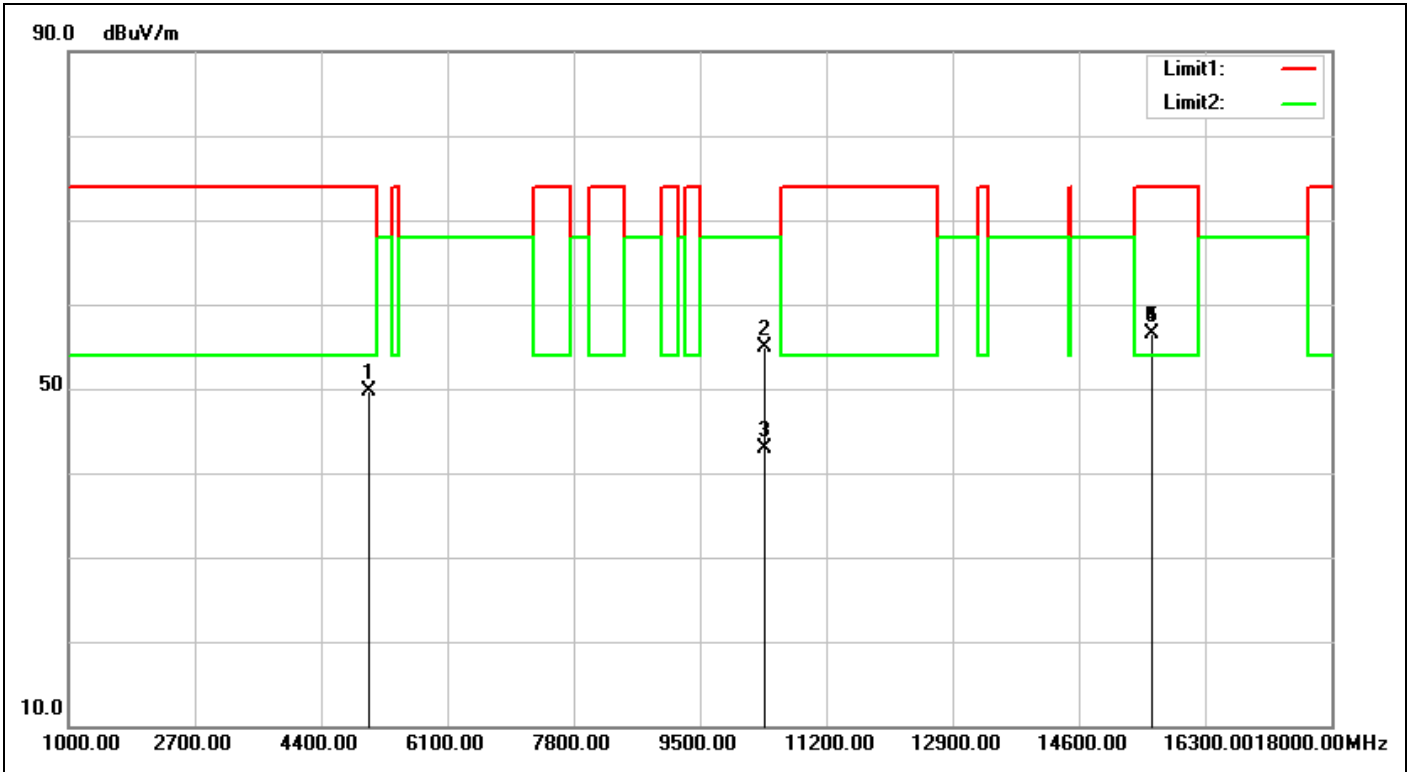
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:47:18
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4774.000	-1.69	52.37	50.68	74.00	-23.32	peak	100	327	
2	10440.000	5.79	48.75	54.54	68.00	-13.46	peak	100	120	
3	10440.000	5.79	36.81	42.60	68.00	-25.40	AVG	100	120	
4	15660.000	12.96	46.89	59.85	74.00	-14.15	peak			
5	15660.000	12.96	34.94	47.90	54.00	-6.10	AVG			



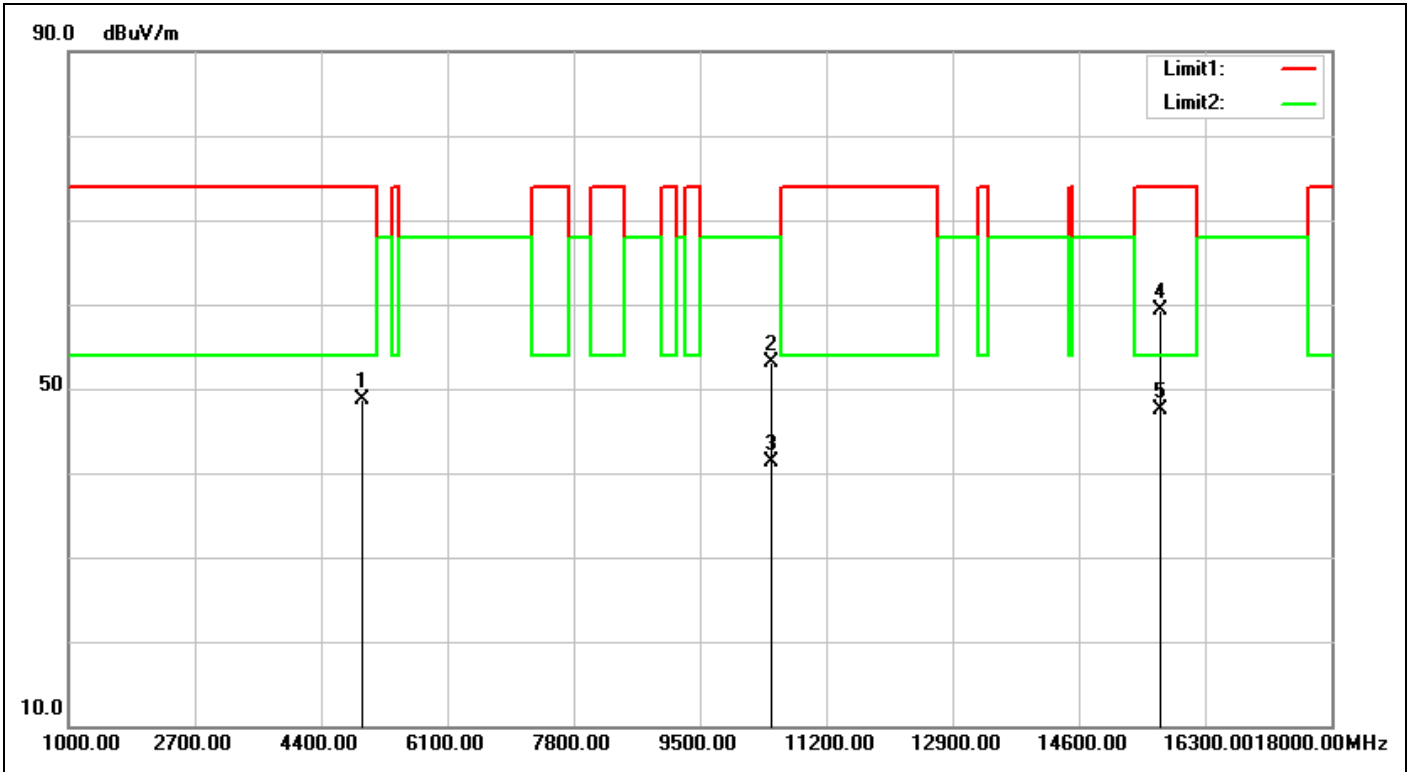
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:50:32
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-3.32	52.31	48.99	74.00	-25.01	peak	100	118	
2	10380.000	5.85	49.19	55.04	68.00	-12.96	peak	100	11	
3	10380.000	5.85	37.15	43.00	68.00	-25.00	AVG	100	11	
4	15570.000	12.57	43.90	56.47	74.00	-17.53	peak			
5	15570.000	12.57	32.03	44.60	54.00	-9.40	AVG			



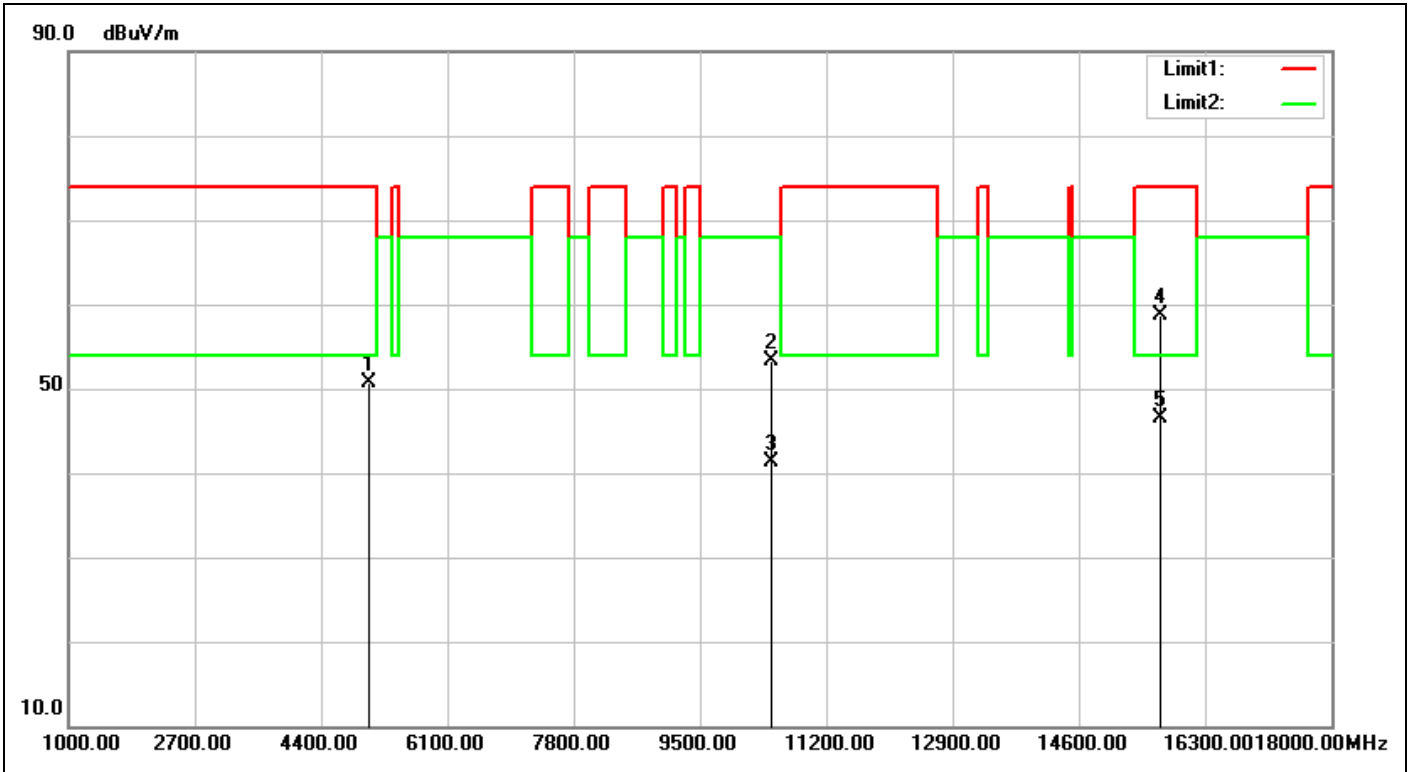
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:51:34
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5190-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5046.000	-1.19	50.98	49.79	74.00	-24.21	peak	100	358	
2	10380.000	5.85	49.10	54.95	68.00	-13.05	peak	100	3	
3	10380.000	5.85	37.15	43.00	68.00	-25.00	AVG	100	3	
4	15570.000	12.57	43.93	56.50	74.00	-17.50	peak			
5	15570.000	12.57	43.93	56.50	74.00	-17.50	peak			



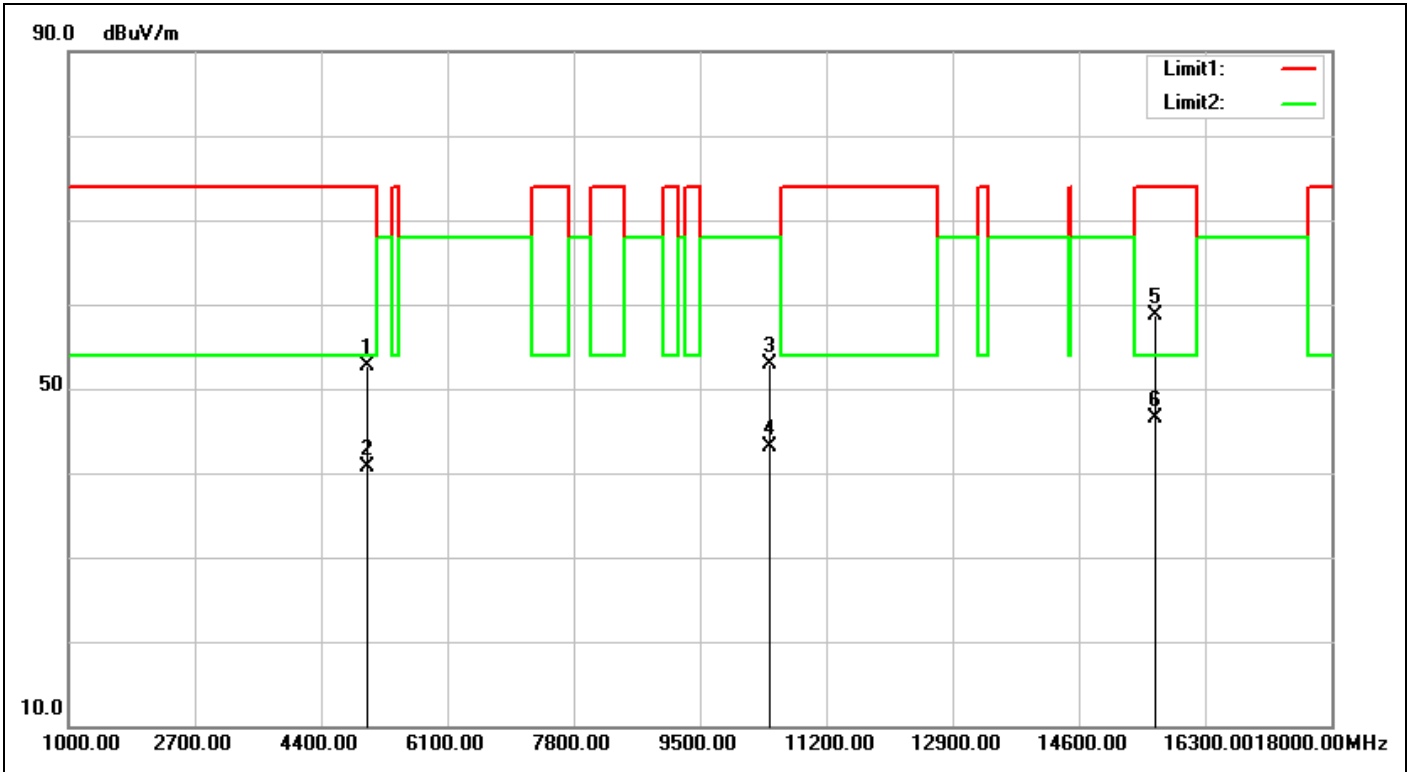
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:54:15
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.49	50.17	48.68	74.00	-25.32	peak	100	360	
2	10460.000	5.77	47.41	53.18	68.00	-14.82	peak			
3	10460.000	5.77	35.63	41.40	68.00	-26.60	AVG			
4	15690.000	13.11	46.27	59.38	74.00	-14.62	peak			
5	15690.000	13.11	34.39	47.50	54.00	-6.50	AVG			



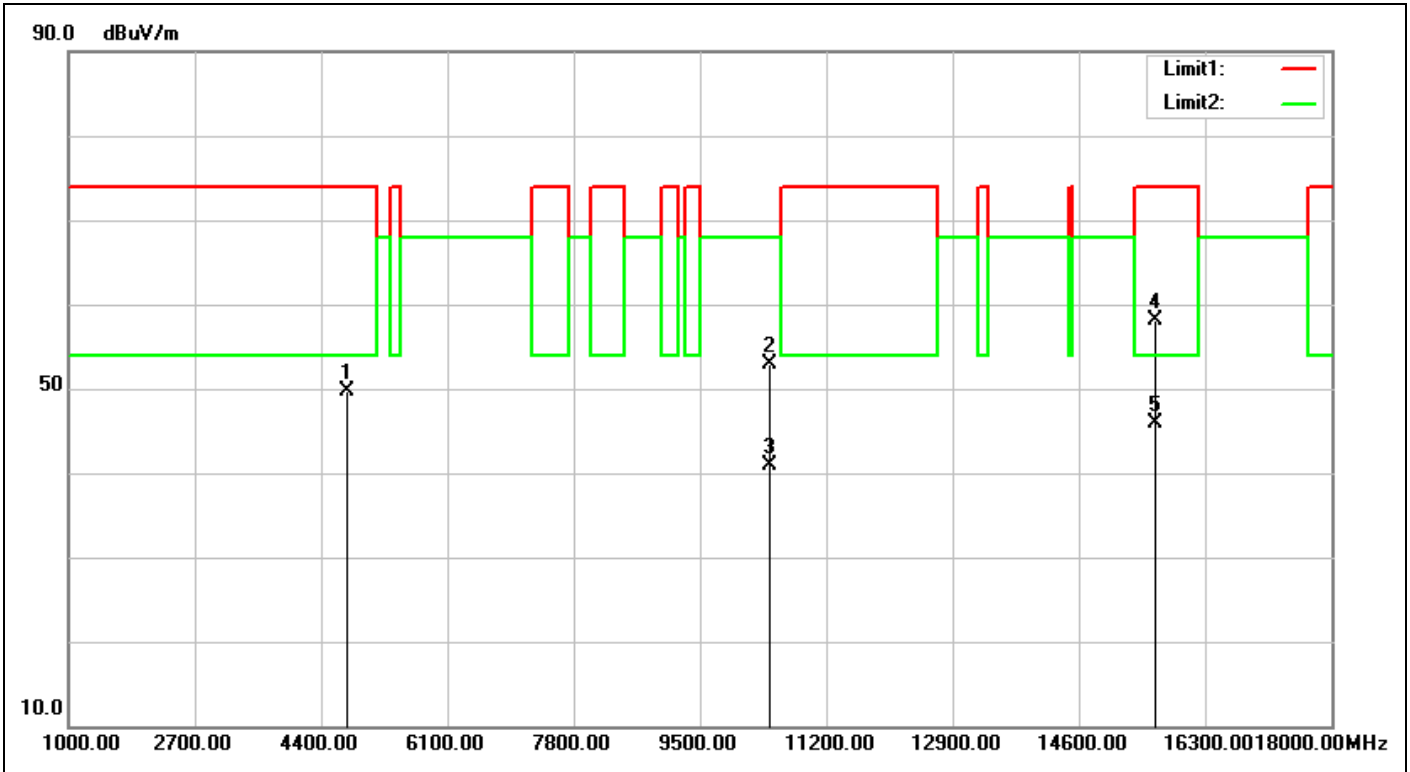
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:55:18
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5230-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5046.000	-1.19	51.85	50.66	74.00	-23.34	peak	100	78	
2	10460.000	5.77	47.53	53.30	68.00	-14.70	peak			
3	10460.000	5.77	35.53	41.30	68.00	-26.70	AVG			
4	15690.000	13.11	45.68	58.79	74.00	-15.21	peak			
5	15690.000	13.11	33.39	46.50	54.00	-7.50	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 19:57:44
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5210-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5029.000	-1.28	53.92	52.64	74.00	-21.36	peak	100	326	
2	5029.000	-1.28	42.08	40.80	54.00	-13.20	AVG	100	326	
3	10420.000	5.82	47.15	52.97	68.00	-15.03	peak			
4	10420.000	5.82	37.28	43.10	68.00	-24.90	AVG			
5	15630.000	12.83	45.79	58.62	74.00	-15.38	peak			
6	15630.000	12.83	33.77	46.60	54.00	-7.40	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 19:58:47
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5210-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	51.37	49.66	74.00	-24.34	peak	100	156	
2	10420.000	5.82	47.04	52.86	68.00	-15.14	peak			
3	10420.000	5.82	35.18	41.00	68.00	-27.00	AVG			
4	15630.000	12.83	45.23	58.06	74.00	-15.94	peak			
5	15630.000	12.83	33.17	46.00	54.00	-8.00	AVG			

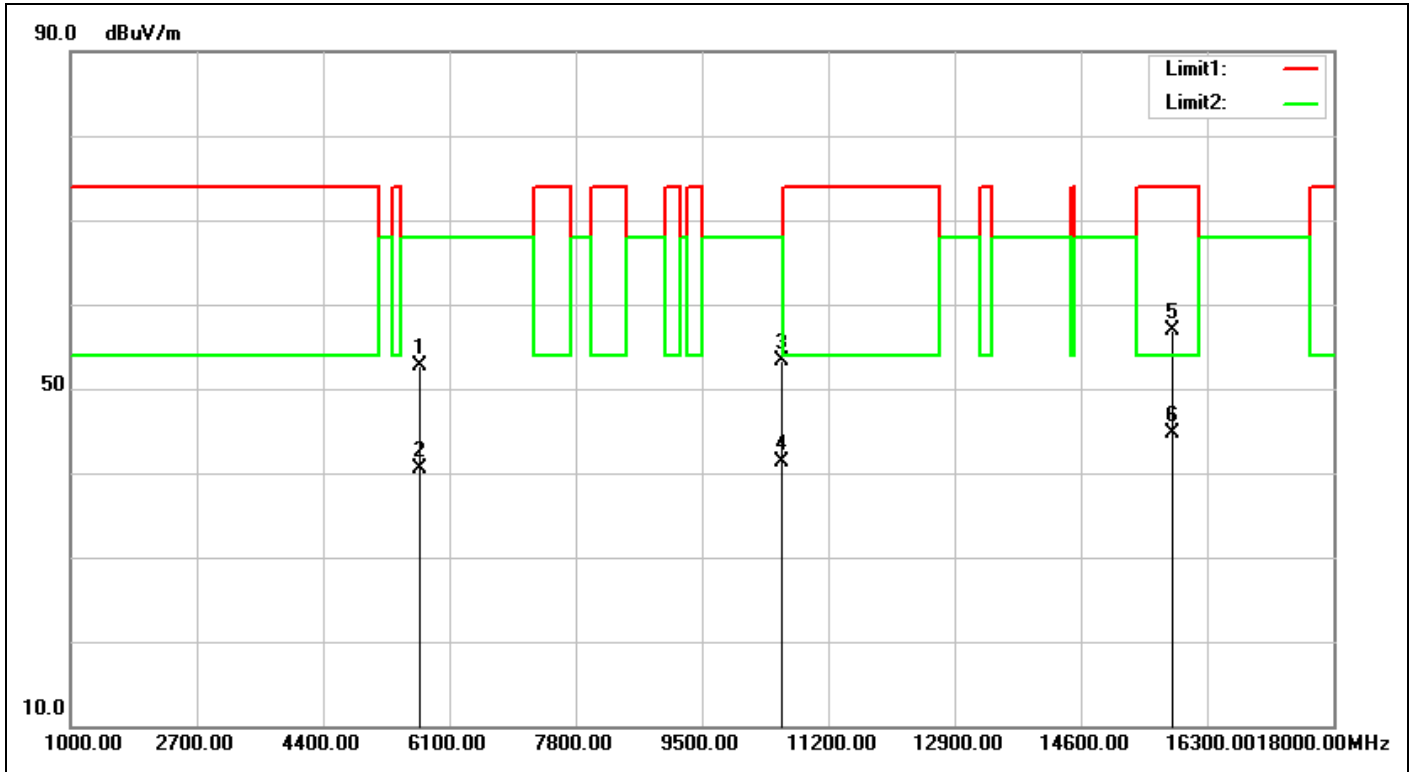
Spurious Emissions, TX Mode, 1-18G , 5250-5350MHz



TUV Taiwan

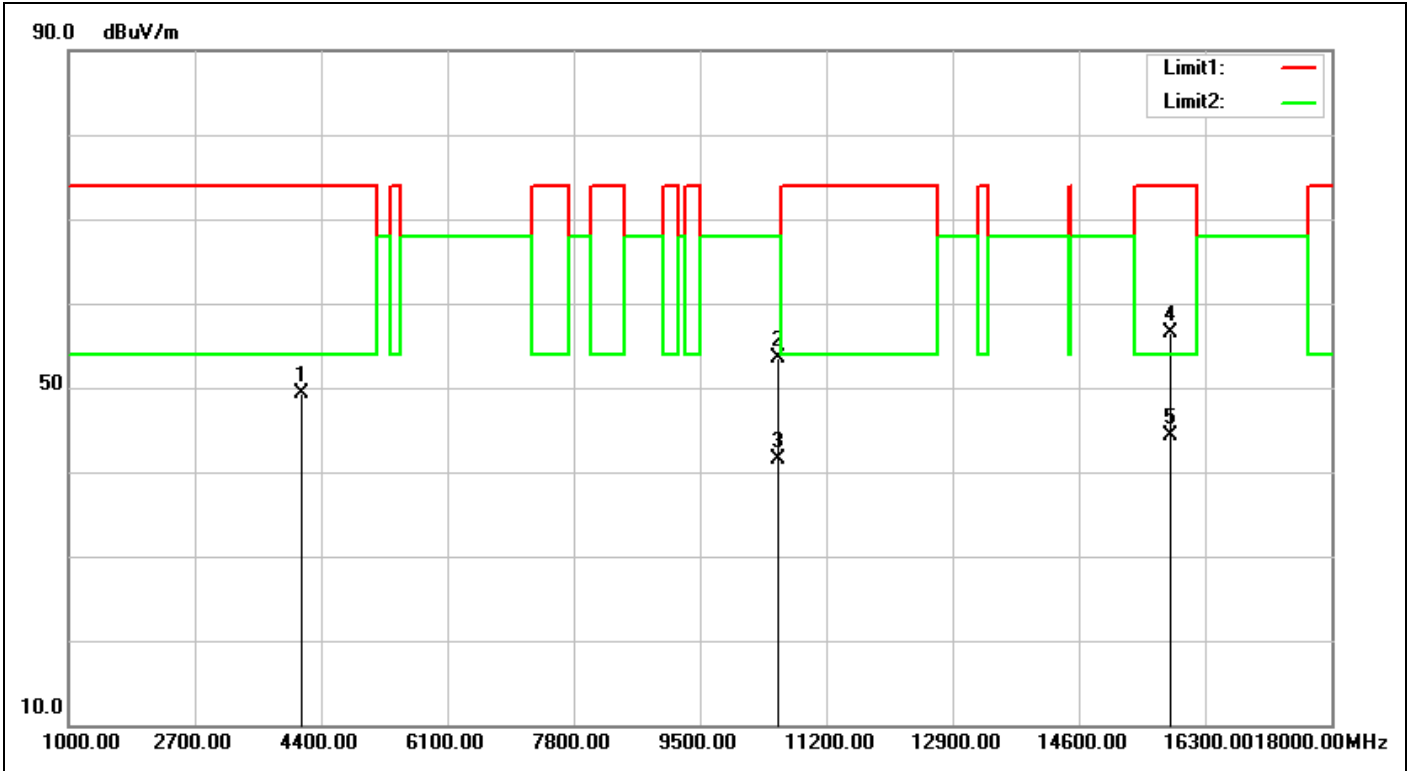
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



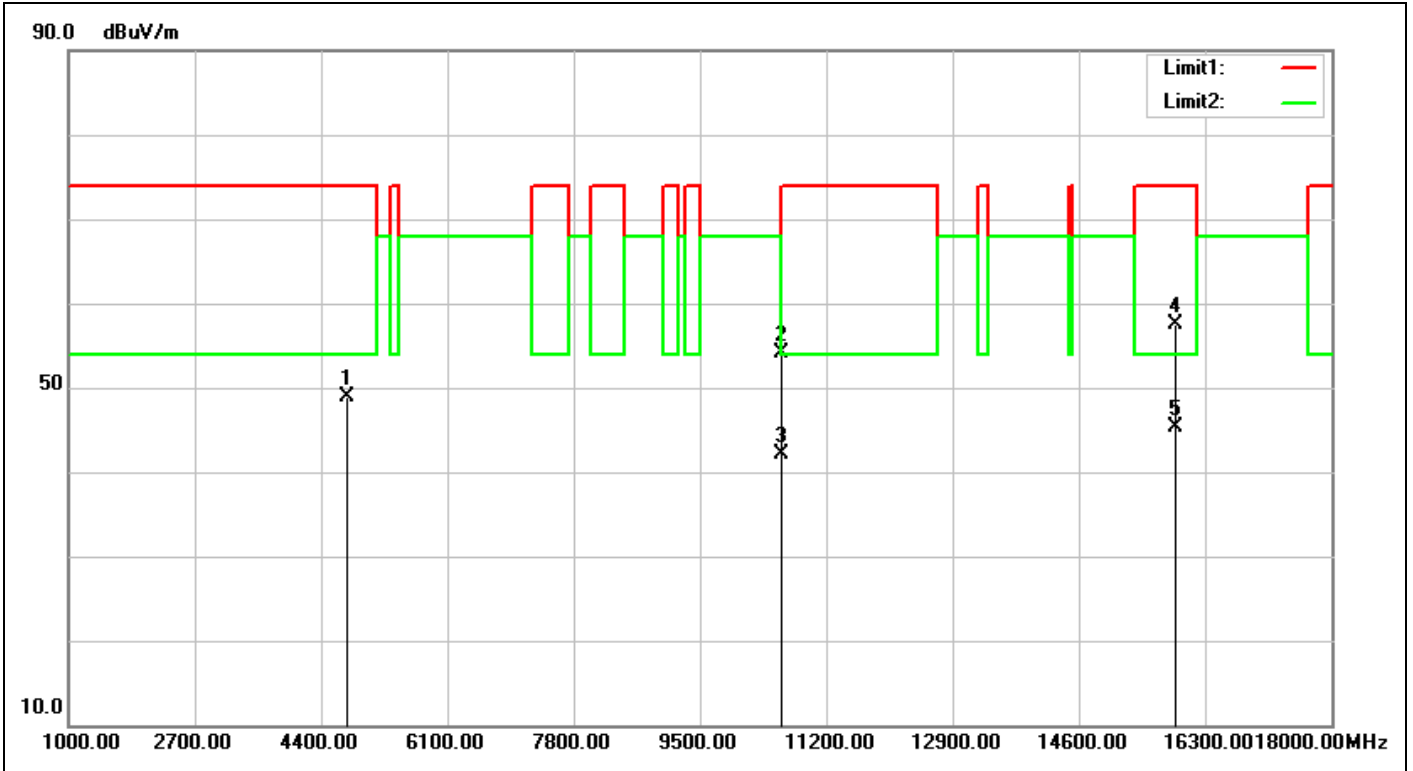
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:11:21
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5280-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5709.000	2.66	50.02	52.68	68.00	-15.32	peak	100	274	
2	5709.000	2.66	37.84	40.50	68.00	-27.50	AVG	100	274	
3	10560.000	5.64	47.63	53.27	68.00	-14.73	peak		0	
4	10560.000	5.64	35.66	41.30	68.00	-26.70	AVG		0	
5	15840.000	13.78	43.05	56.83	74.00	-17.17	peak		0	
6	15840.000	13.78	31.02	44.80	54.00	-9.20	AVG		0	



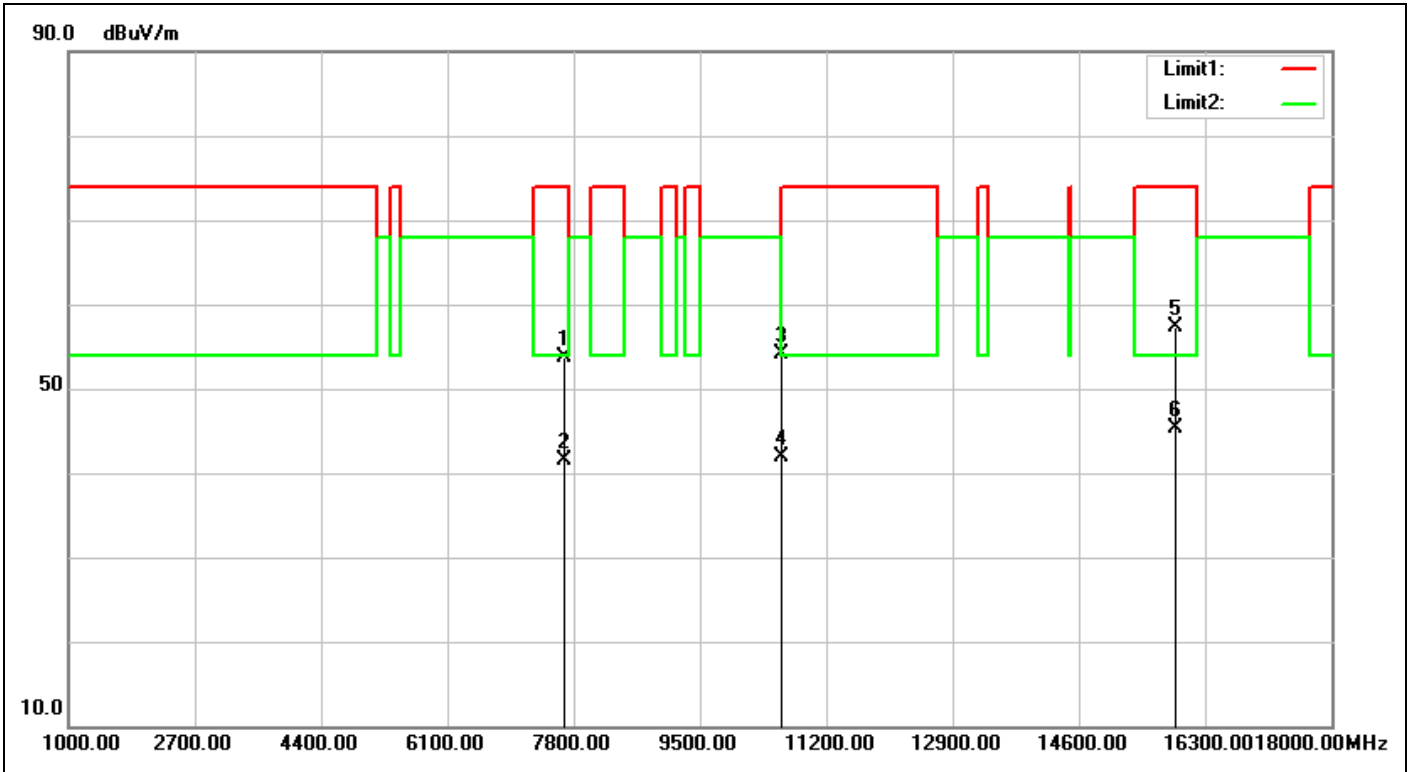
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:12:23
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5280-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-3.32	52.57	49.25	74.00	-24.75	peak	100	125	
2	10560.000	5.64	47.80	53.44	68.00	-14.56	peak			
3	10560.000	5.64	35.86	41.50	68.00	-26.50	AVG			
4	15840.000	13.78	42.70	56.48	74.00	-17.52	peak			
5	15840.000	13.78	30.62	44.40	54.00	-9.60	AVG			



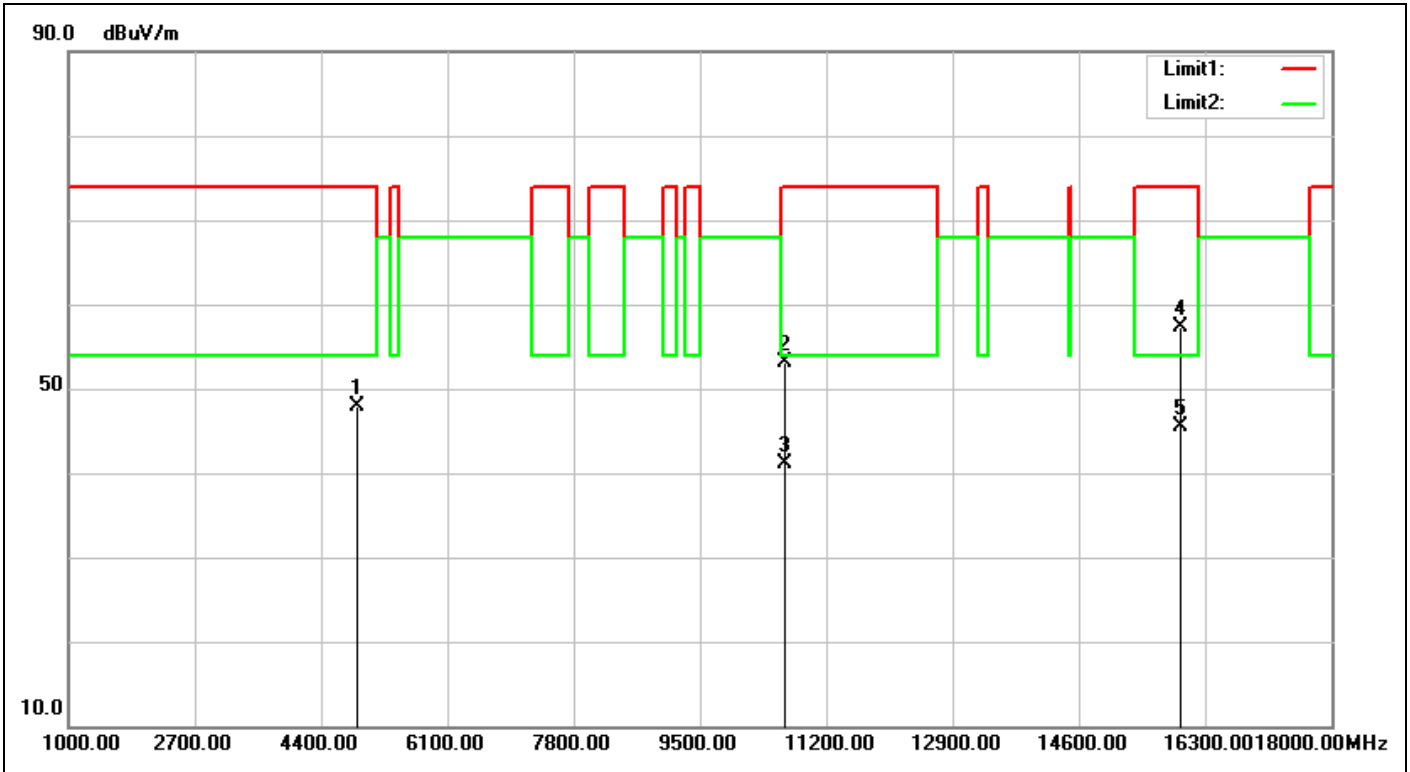
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:18:15
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5300-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	50.56	48.85	74.00	-25.15	peak	100	249	
2	10600.000	5.59	48.44	54.03	68.00	-13.97	peak			
3	10600.000	5.59	36.51	42.10	54.00	-11.90	AVG			
4	15900.000	14.04	43.42	57.46	74.00	-16.54	peak			
5	15900.000	14.04	31.36	45.40	54.00	-8.60	AVG			



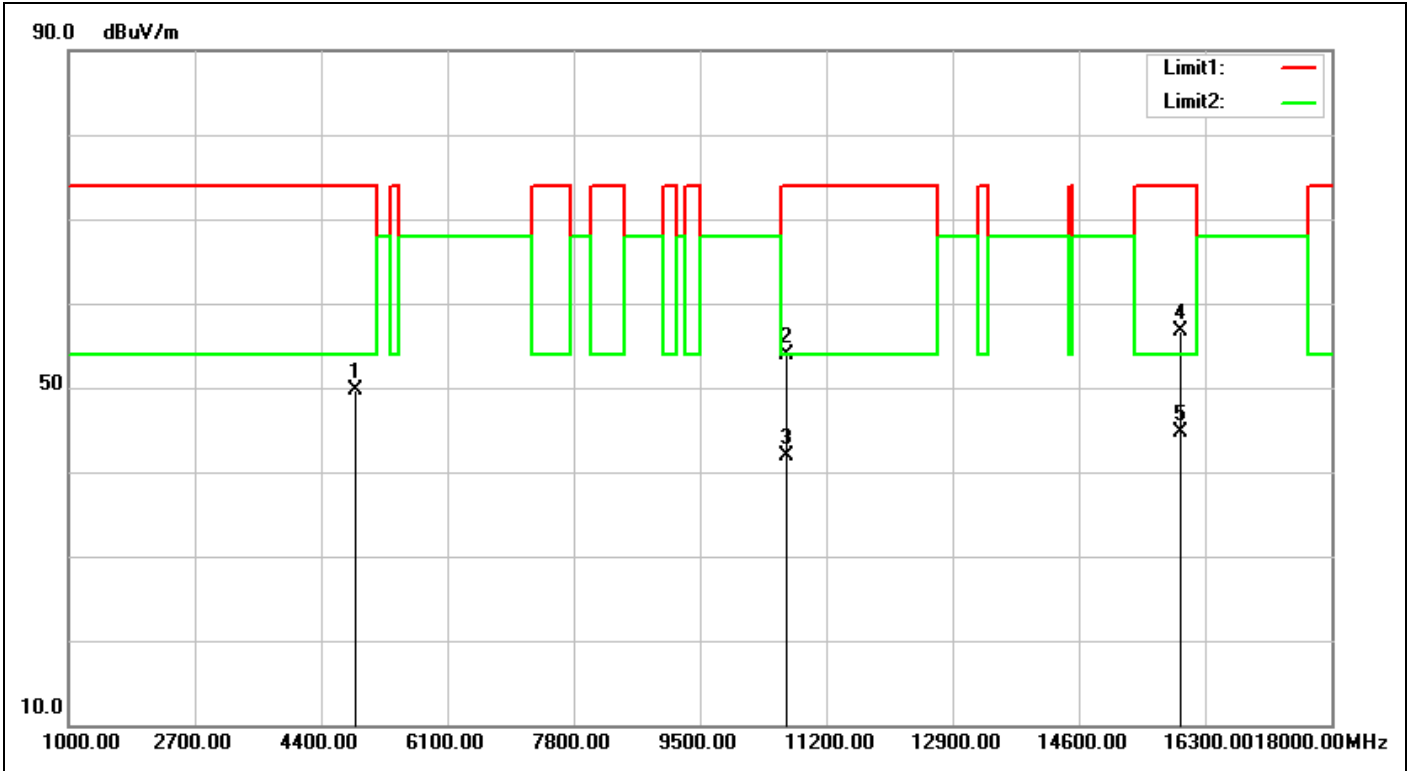
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:19:17
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5300-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	7681.000	7.16	46.52	53.68	74.00	-20.32	peak	100	344	
2	7681.000	7.16	34.44	41.60	54.00	-12.40	AVG	100	344	
3	10600.000	5.59	48.45	54.04	68.00	-13.96	peak			
4	10600.000	5.59	36.41	42.00	54.00	-12.00	AVG			
5	15900.000	14.04	43.19	57.23	74.00	-16.77	peak			
6	15900.000	14.04	31.26	45.30	54.00	-8.70	AVG			



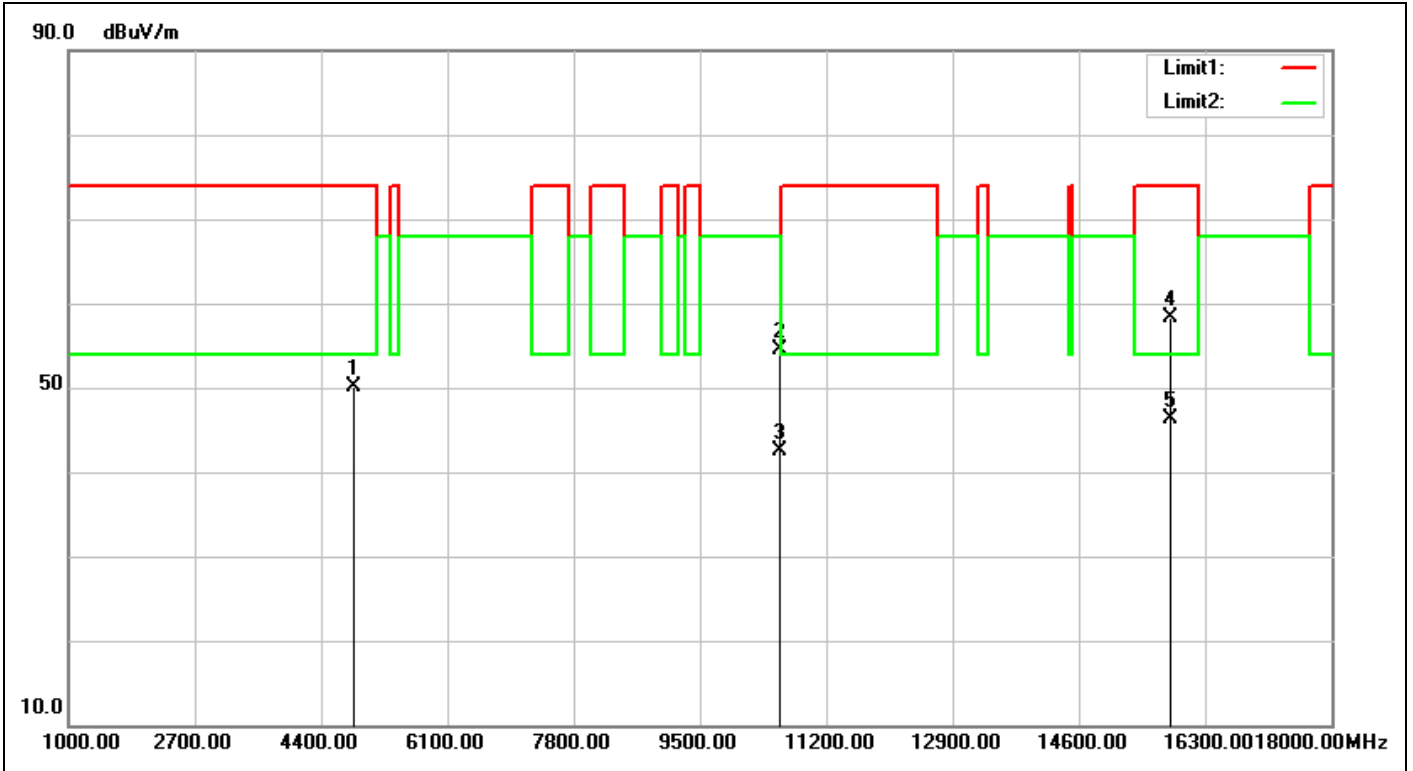
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:21:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5320-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4876.000	-1.57	49.56	47.99	74.00	-26.01	peak	100	243	
2	10640.000	5.52	47.57	53.09	74.00	-20.91	peak			
3	10640.000	5.52	35.58	41.10	54.00	-12.90	AVG			
4	15960.000	14.31	43.09	57.40	74.00	-16.60	peak			
5	15960.000	14.31	31.29	45.60	54.00	-8.40	AVG			



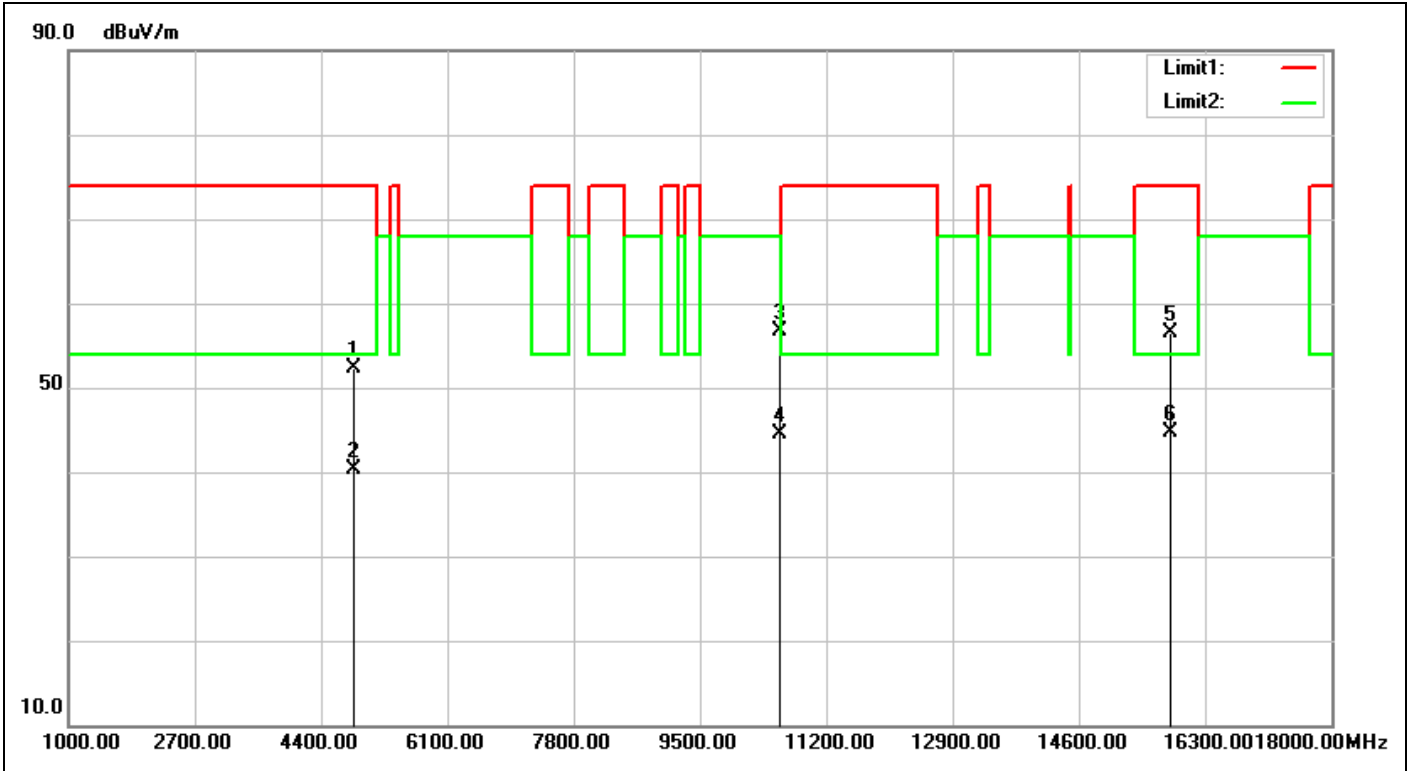
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:22:36
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5320-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4859.000	-1.60	51.32	49.72	74.00	-24.28	peak	100	233	
2	10640.000	5.52	48.32	53.84	74.00	-20.16	peak			
3	10640.000	5.52	36.48	42.00	54.00	-12.00	AVG			
4	15960.000	14.31	42.42	56.73	74.00	-17.27	peak			
5	15960.000	14.31	30.39	44.70	54.00	-9.30	AVG			



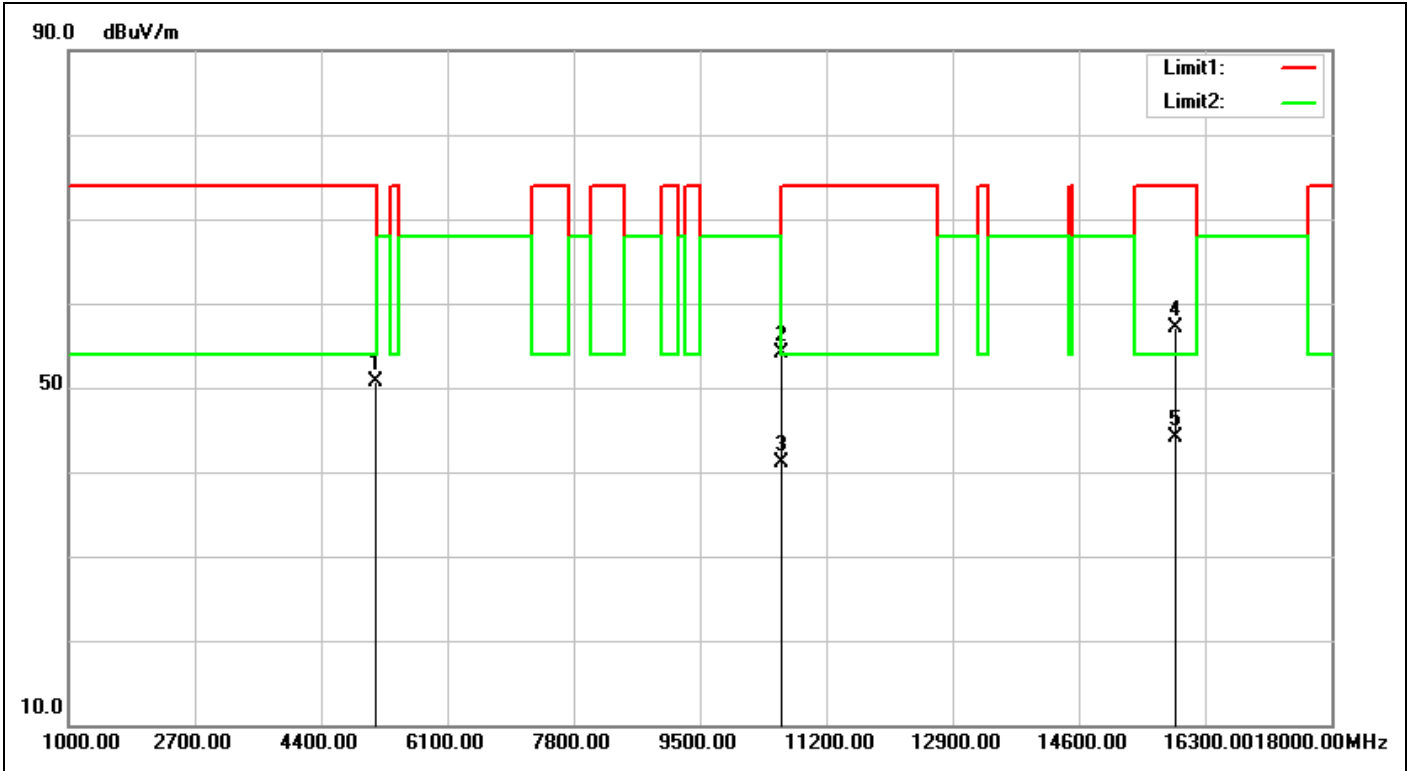
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:25:00
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5280-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-1.61	51.70	50.09	74.00	-23.91	peak	100	307	
2	10560.000	5.64	48.78	54.42	68.00	-13.58	peak			
3	10560.000	5.64	36.86	42.50	68.00	-25.50	AVG			
4	15840.000	13.78	44.53	58.31	74.00	-15.69	peak			
5	15840.000	13.78	32.52	46.30	54.00	-7.70	AVG			



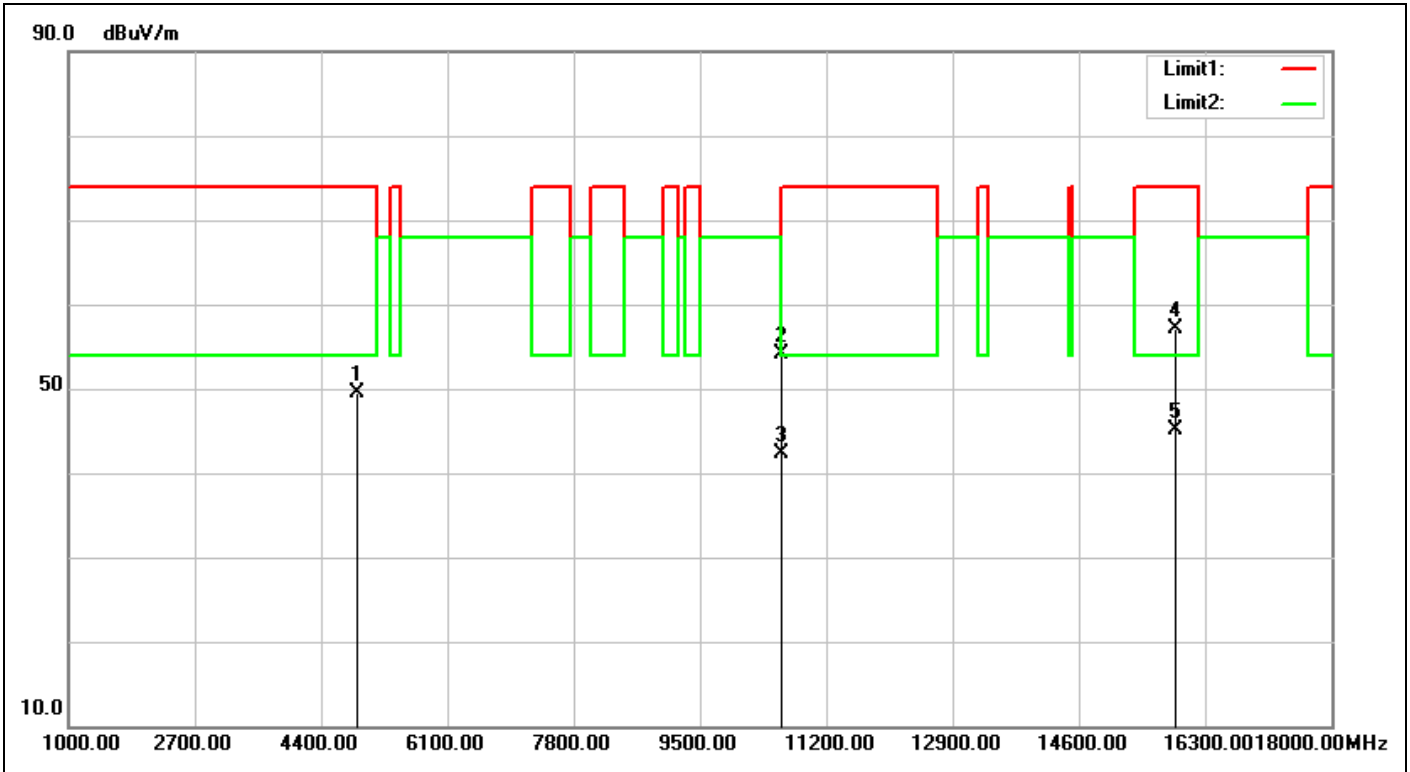
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:26:03
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5280-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-1.61	53.94	52.33	74.00	-21.67	peak	100	252	
2	4842.000	-1.61	41.91	40.30	54.00	-13.70	AVG	100	252	
3	10560.000	5.64	51.02	56.66	68.00	-11.34	peak	100	169	
4	10560.000	5.64	38.96	44.60	68.00	-23.40	AVG	100	169	
5	15840.000	13.78	42.66	56.44	74.00	-17.56	peak			
6	15840.000	13.78	30.92	44.70	54.00	-9.30	AVG			



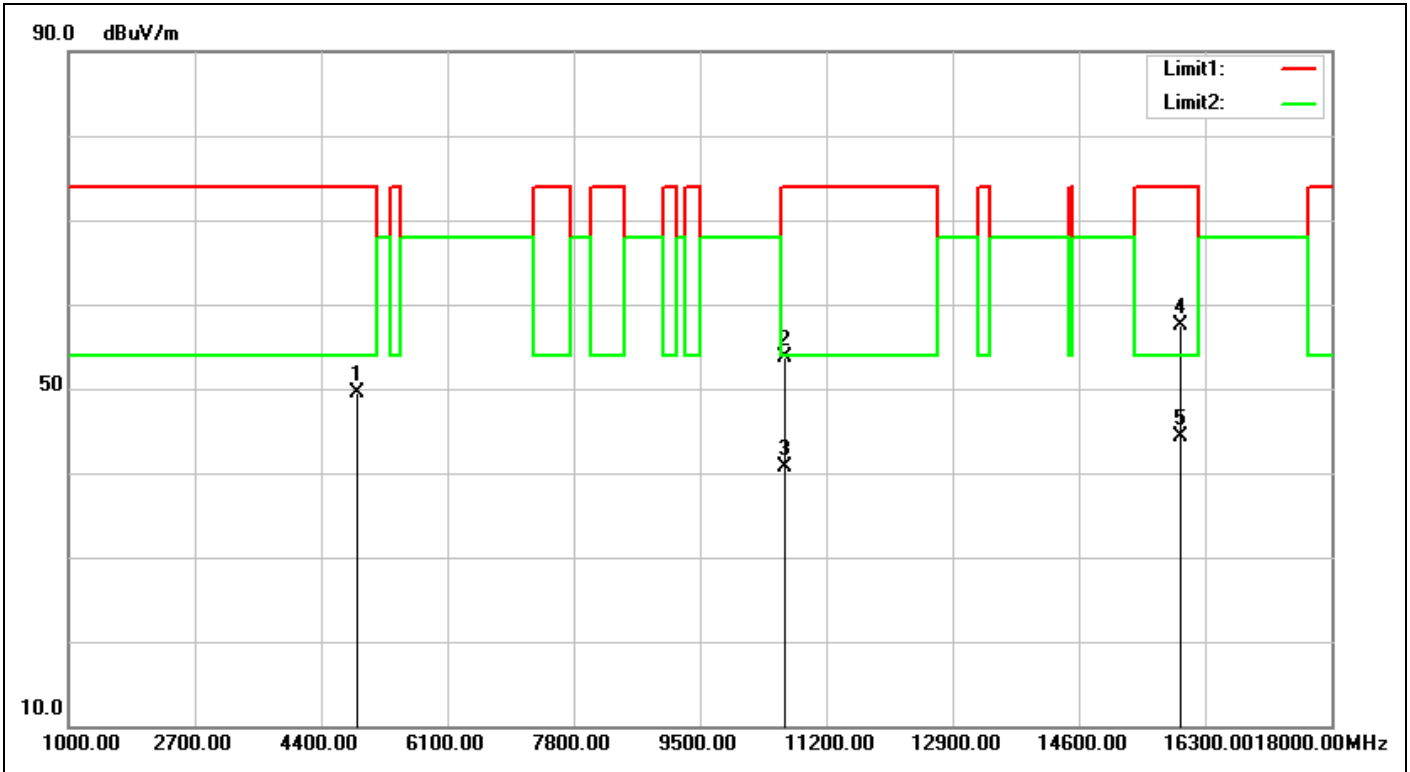
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:28:51
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5300-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5131.000	-0.75	51.36	50.61	74.00	-23.39	peak	100	302	
2	10600.000	5.59	48.50	54.09	68.00	-13.91	peak			
3	10600.000	5.59	35.51	41.10	54.00	-12.90	AVG			
4	15900.000	14.04	43.16	57.20	74.00	-16.80	peak			
5	15900.000	14.04	30.16	44.20	54.00	-9.80	AVG			



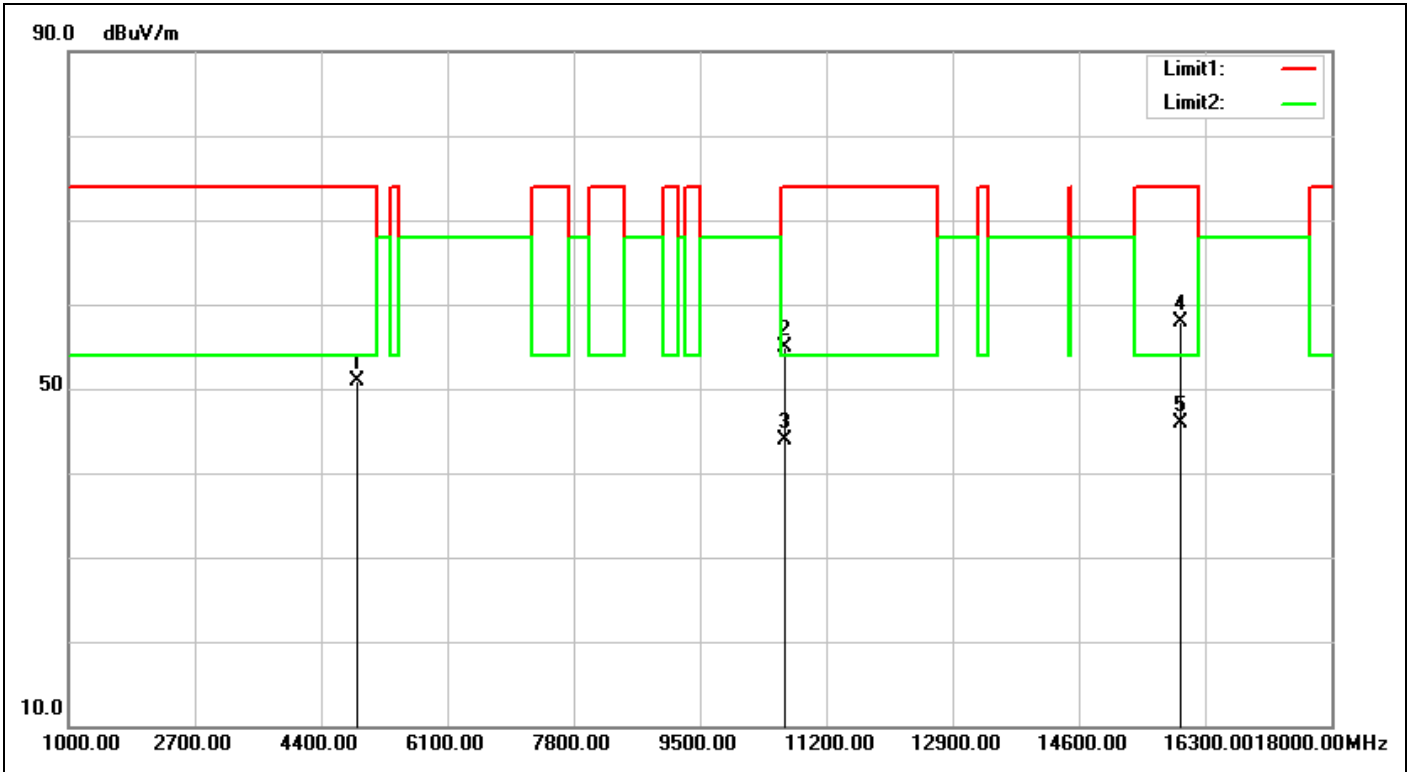
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:29:54
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5300-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4893.000	-1.55	51.05	49.50	74.00	-24.50	peak	100	175	
2	10600.000	5.59	48.58	54.17	68.00	-13.83	peak			
3	10600.000	5.59	36.71	42.30	54.00	-11.70	AVG			
4	15900.000	14.04	43.07	57.11	74.00	-16.89	peak			
5	15900.000	14.04	31.06	45.10	54.00	-8.90	AVG			



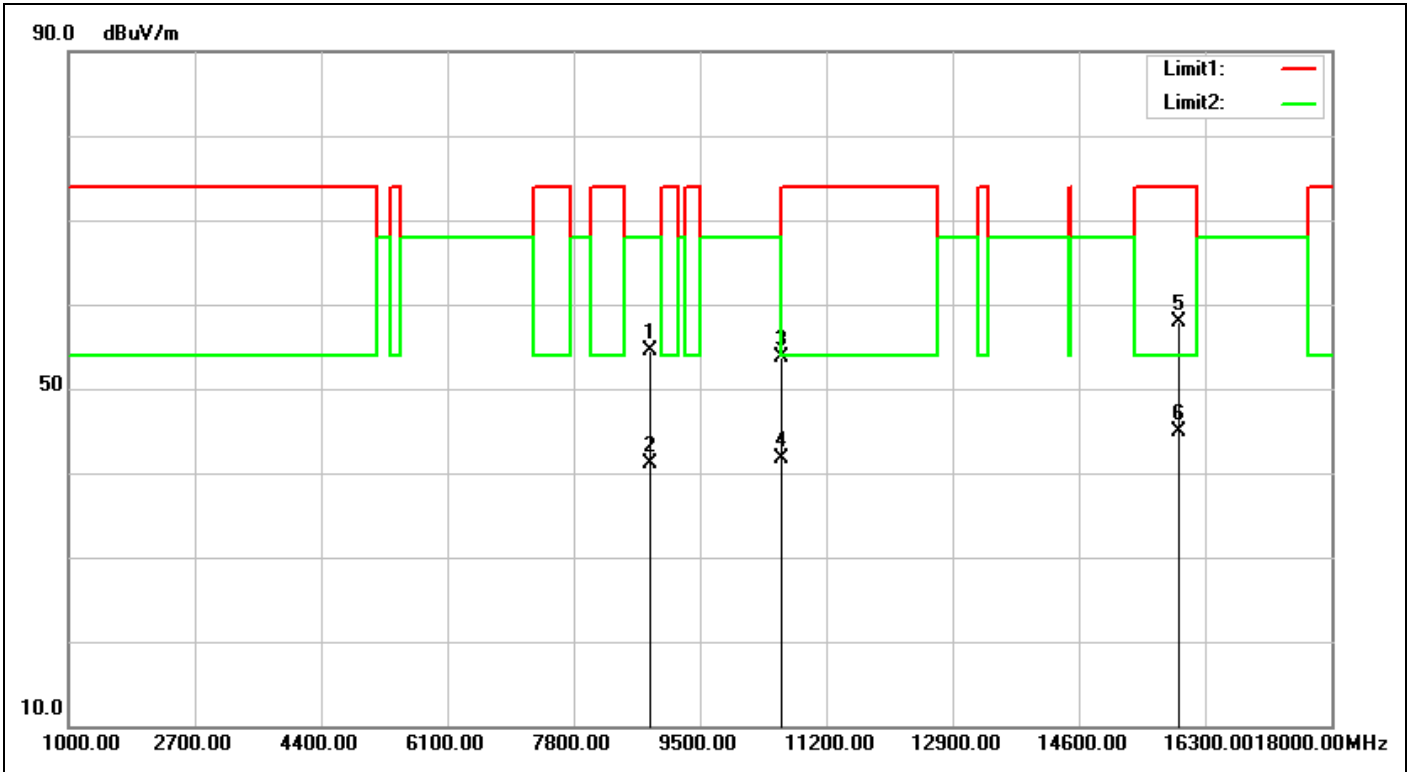
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:32:01
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5320-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4876.000	-1.57	51.15	49.58	74.00	-24.42	peak	100	346	
2	10640.000	5.52	48.09	53.61	74.00	-20.39	peak			
3	10640.000	5.52	35.18	40.70	54.00	-13.30	AVG			
4	15960.000	14.31	43.10	57.41	74.00	-16.59	peak			
5	15960.000	14.31	30.09	44.40	54.00	-9.60	AVG			



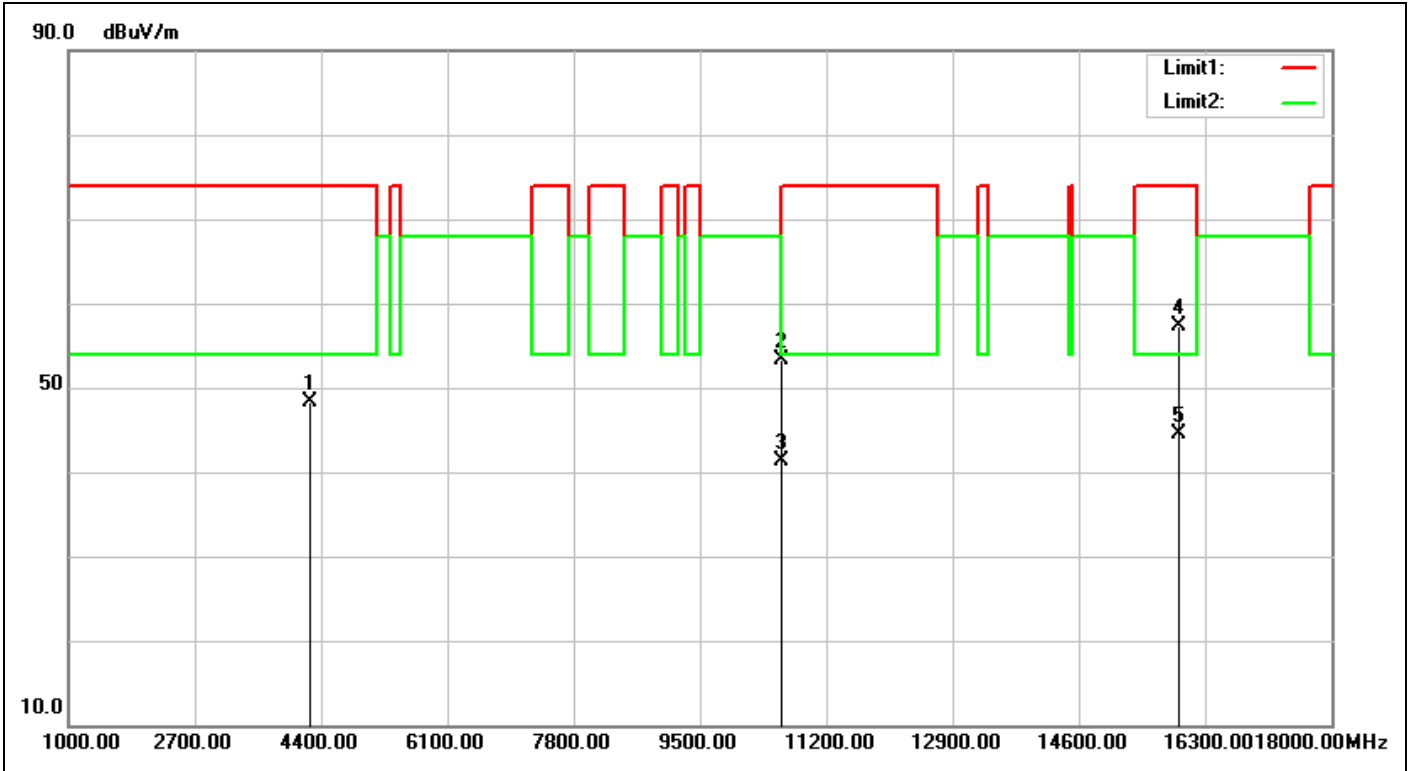
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:33:04
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5320-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4876.000	-1.57	52.43	50.86	74.00	-23.14	peak	100	275	
2	10640.000	5.52	49.46	54.98	74.00	-19.02	peak			
3	10640.000	5.52	38.48	44.00	54.00	-10.00	AVG			
4	15960.000	14.31	43.54	57.85	74.00	-16.15	peak			
5	15960.000	14.31	31.59	45.90	54.00	-8.10	AVG			



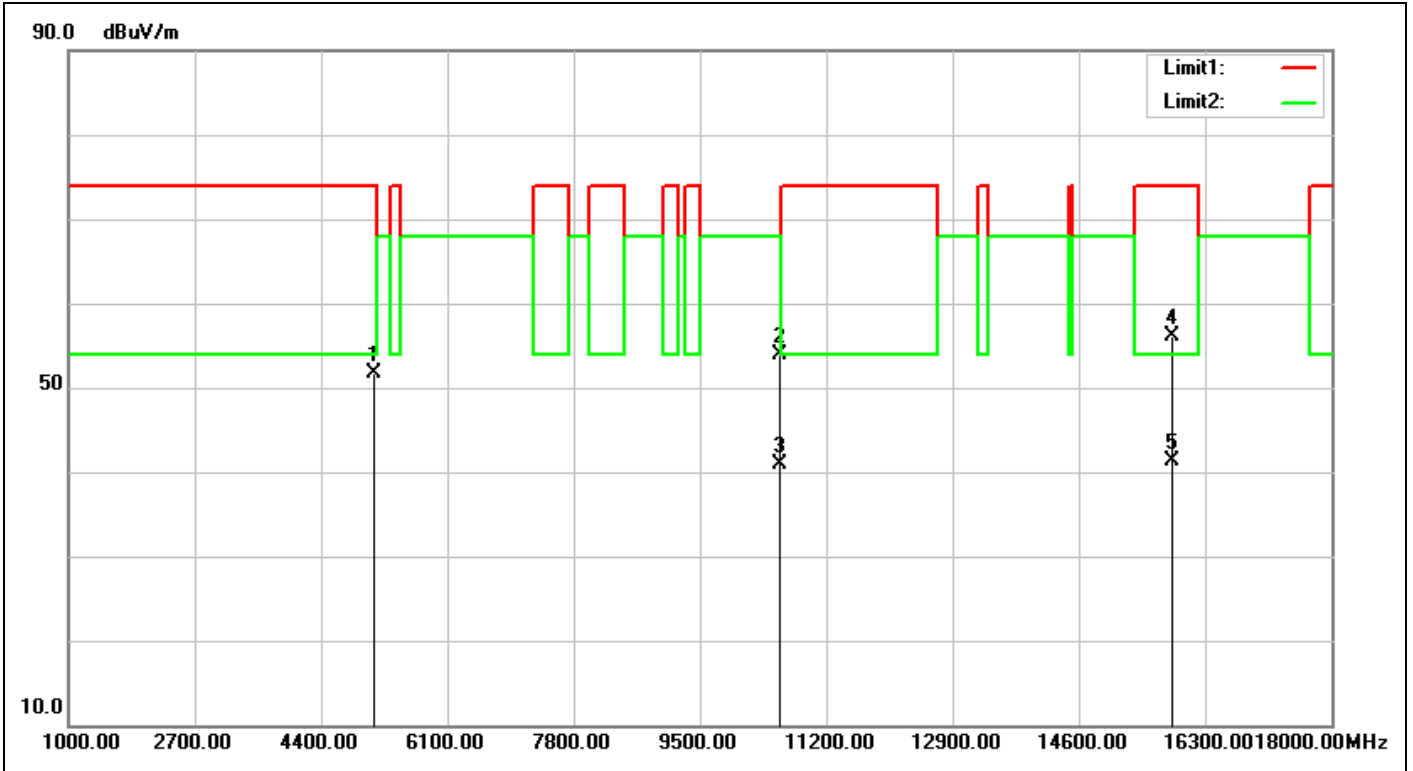
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:35:51
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5310-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	8820.000	7.54	46.96	54.50	68.00	-13.50	peak	100	110	
2	8820.000	7.54	33.56	41.10	68.00	-26.90	AVG	100	110	
3	10620.000	5.56	48.07	53.63	74.00	-20.37	peak			
4	10620.000	5.56	36.14	41.70	54.00	-12.30	AVG			
5	15930.000	14.17	43.75	57.92	74.00	-16.08	peak			
6	15930.000	14.17	30.73	44.90	54.00	-9.10	AVG			



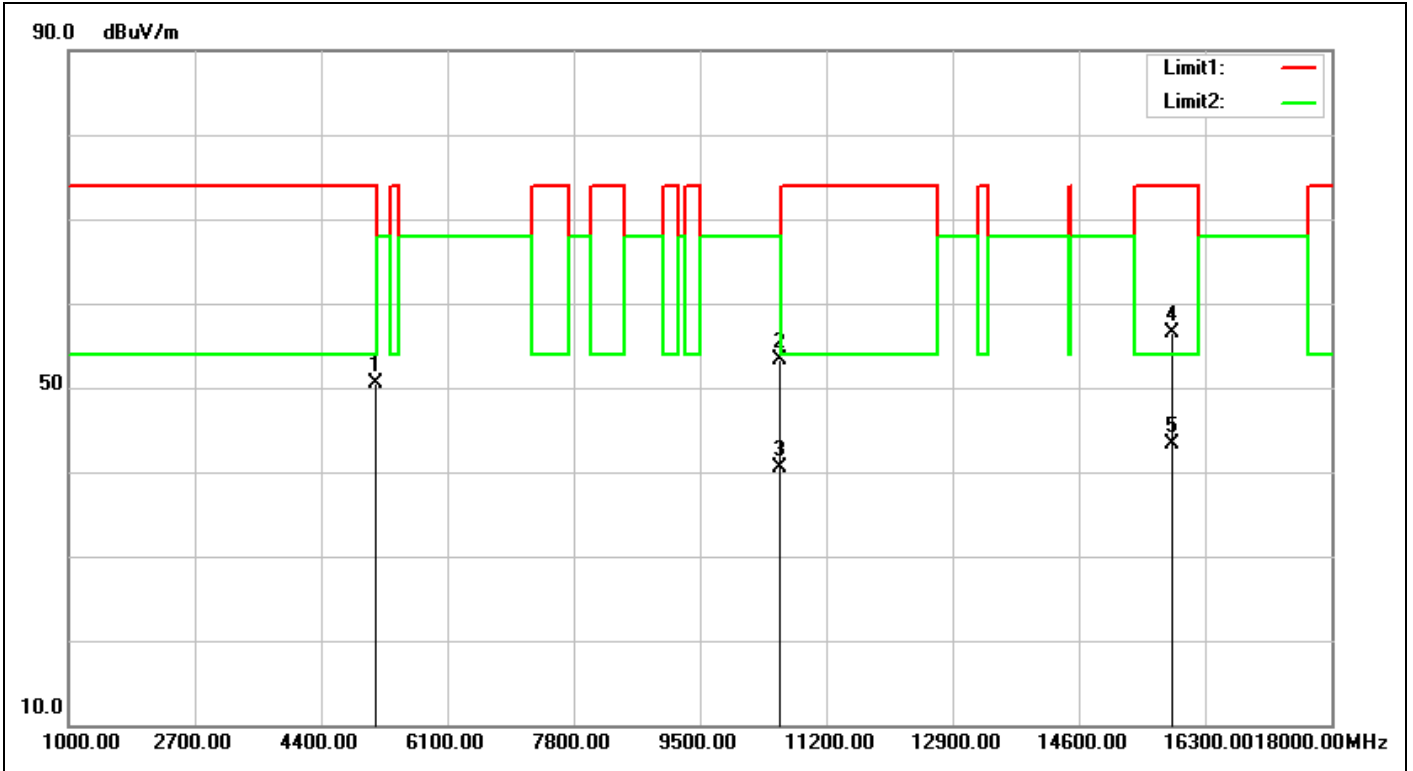
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:36:54
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5310-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4247.000	-2.94	51.27	48.33	74.00	-25.67	peak	100	51	
2	10620.000	5.56	47.76	53.32	74.00	-20.68	peak			
3	10620.000	5.56	35.84	41.40	54.00	-12.60	AVG			
4	15930.000	14.17	43.12	57.29	74.00	-16.71	peak			
5	15930.000	14.17	30.33	44.50	54.00	-9.50	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:40:14
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5290-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5114.000	-0.84	52.60	51.76	74.00	-22.24	peak	100	348	
2	10580.000	5.61	48.25	53.86	68.00	-14.14	peak			
3	10580.000	5.61	35.29	40.90	68.00	-27.10	AVG			
4	15870.000	13.91	42.29	56.20	74.00	-17.80	peak			
5	15870.000	13.91	27.39	41.30	54.00	-12.70	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:41:17
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5290-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5131.000	-0.75	51.17	50.42	74.00	-23.58	peak	100	277	
2	10580.000	5.61	47.79	53.40	68.00	-14.60	peak			
3	10580.000	5.61	34.89	40.50	68.00	-27.50	AVG			
4	15870.000	13.91	42.51	56.42	74.00	-17.58	peak			
5	15870.000	13.91	29.39	43.30	54.00	-10.70	AVG			

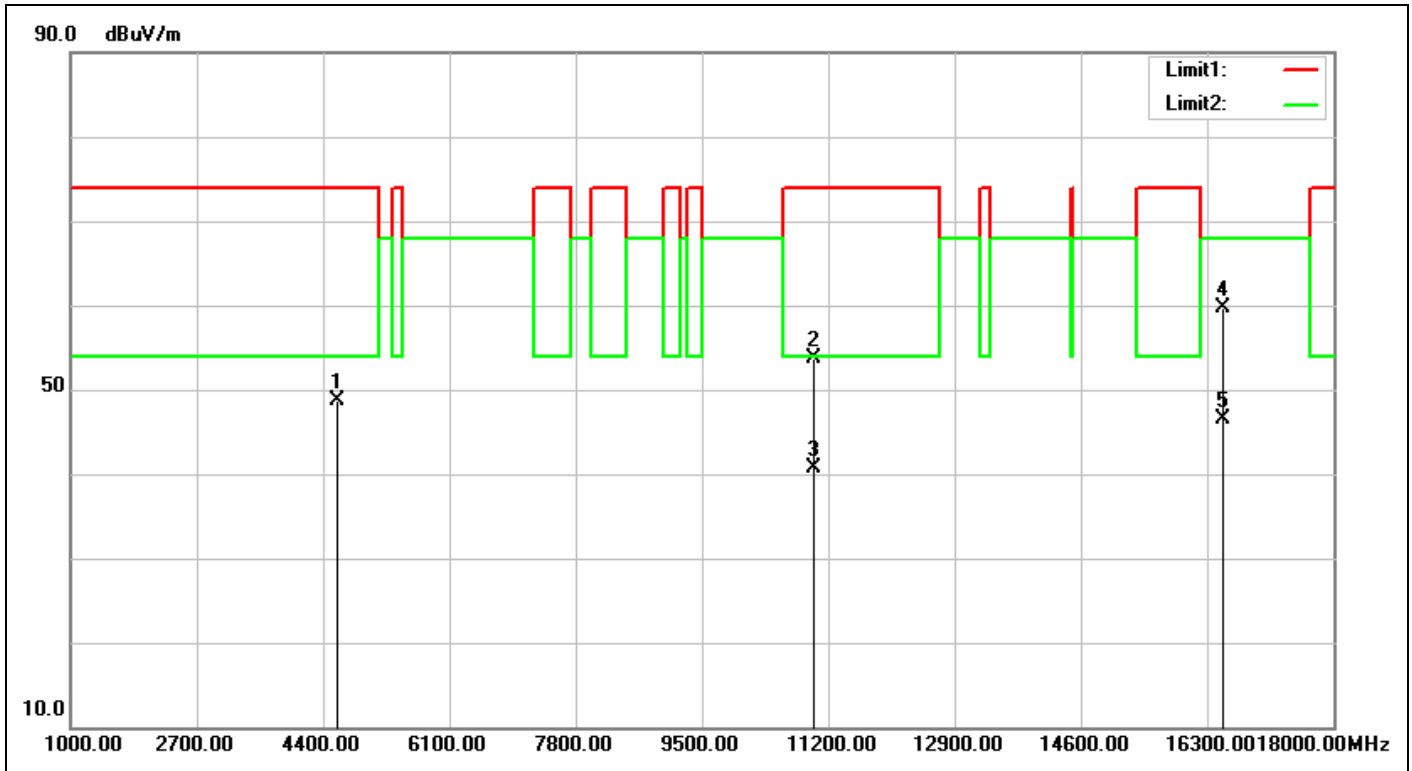
Spurious Emissions, TX Mode, 1-18G , 5470-5725MHz



TUV Taiwan

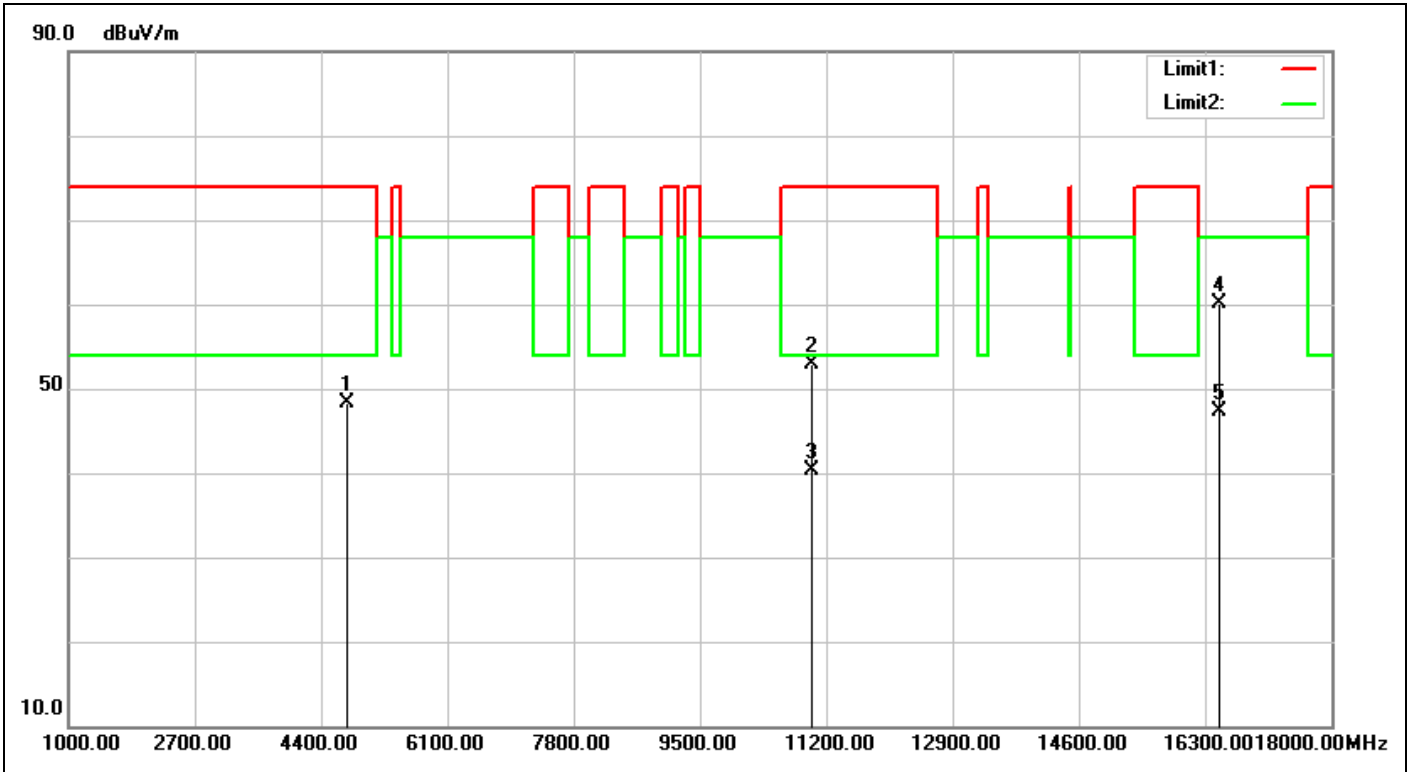
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



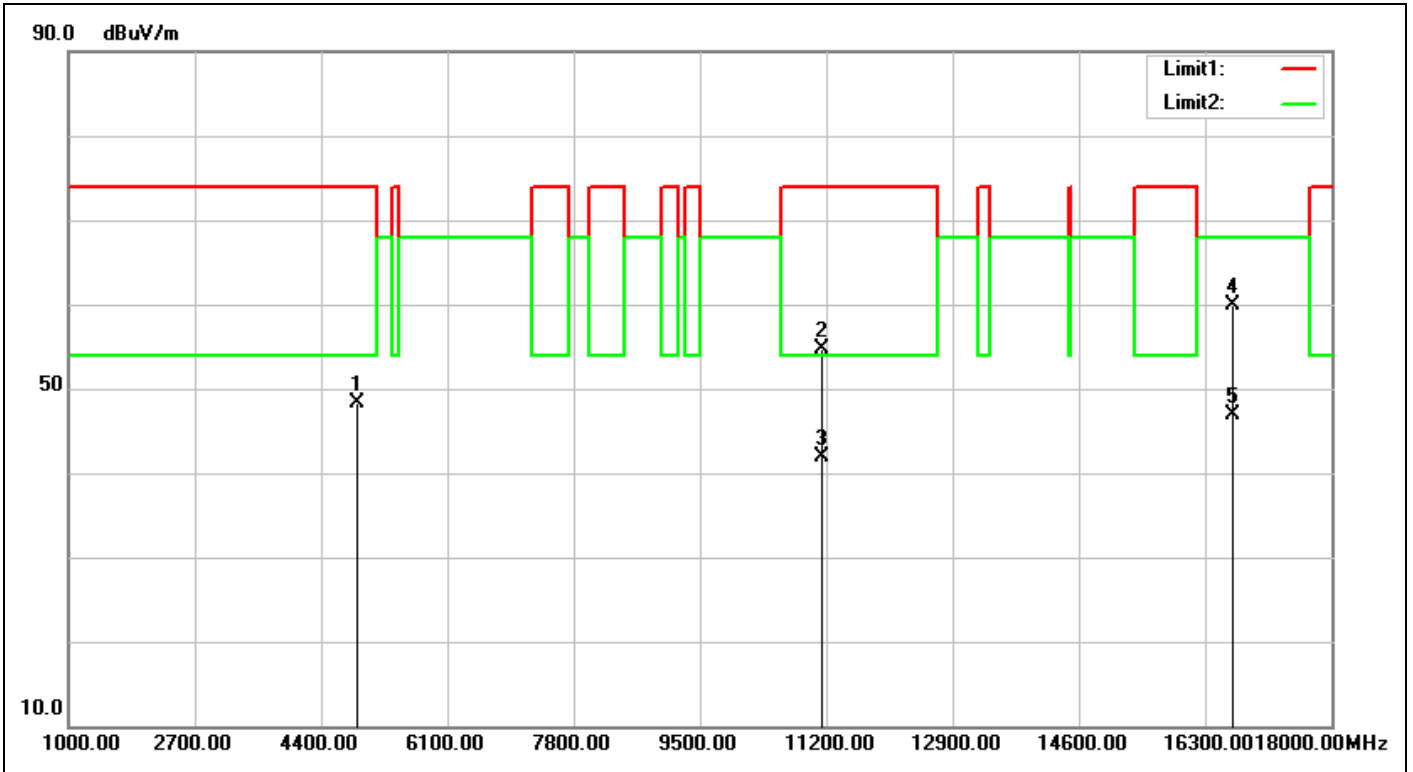
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 20:57:11
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5500-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4587.000	-1.89	50.66	48.77	74.00	-25.23	peak	100	213	
2	11000.000	5.00	48.76	53.76	74.00	-20.24	peak		0	
3	11000.000	5.00	35.80	40.80	54.00	-13.20	AVG		0	
4	16500.000	16.64	43.09	59.73	68.00	-8.27	peak		0	
5	16500.000	16.64	29.96	46.60	68.00	-21.40	AVG		0	



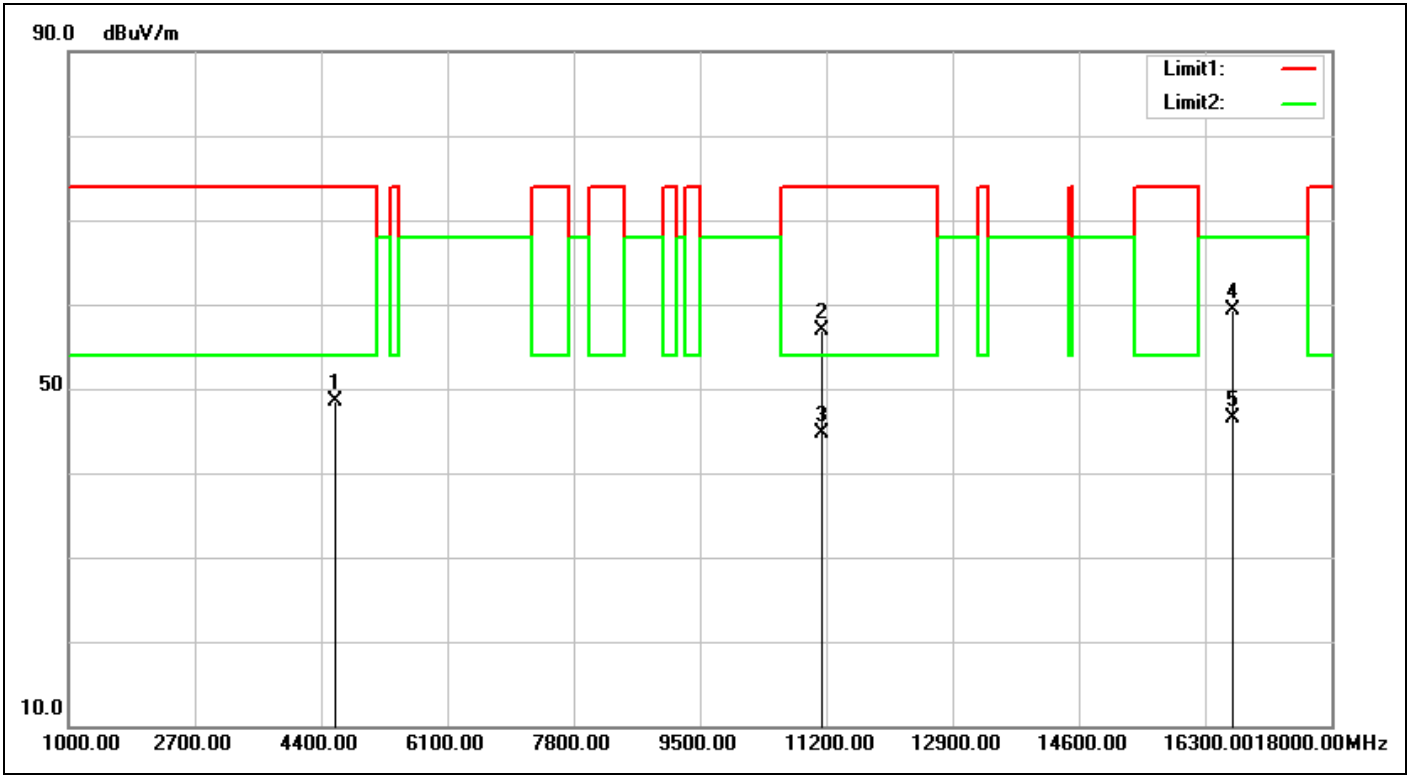
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 20:58:14
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5500-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	50.09	48.38	74.00	-25.62	peak	100	294	
2	11000.000	5.00	47.87	52.87	74.00	-21.13	peak			
3	11000.000	5.00	35.40	40.40	54.00	-13.60	AVG			
4	16500.000	16.64	43.53	60.17	68.00	-7.83	peak			
5	16500.000	16.64	30.66	47.30	68.00	-20.70	AVG			



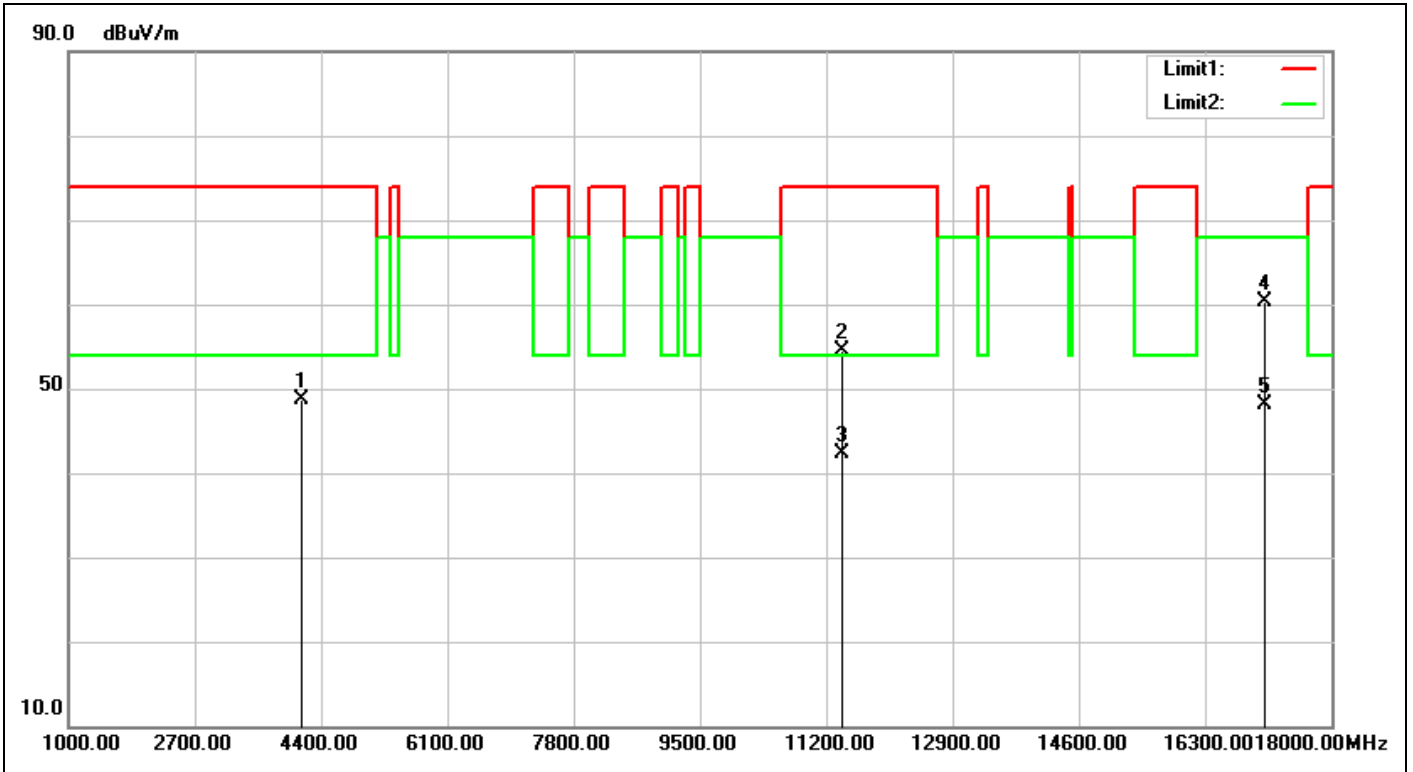
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:01:31
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5560-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4893.000	-1.55	49.77	48.22	74.00	-25.78	peak	100	119	
2	11120.000	5.20	49.59	54.79	74.00	-19.21	peak			
3	11120.000	5.20	36.70	41.90	54.00	-12.10	AVG			
4	16680.000	16.66	43.29	59.95	68.00	-8.05	peak			
5	16680.000	16.66	30.34	47.00	68.00	-21.00	AVG			



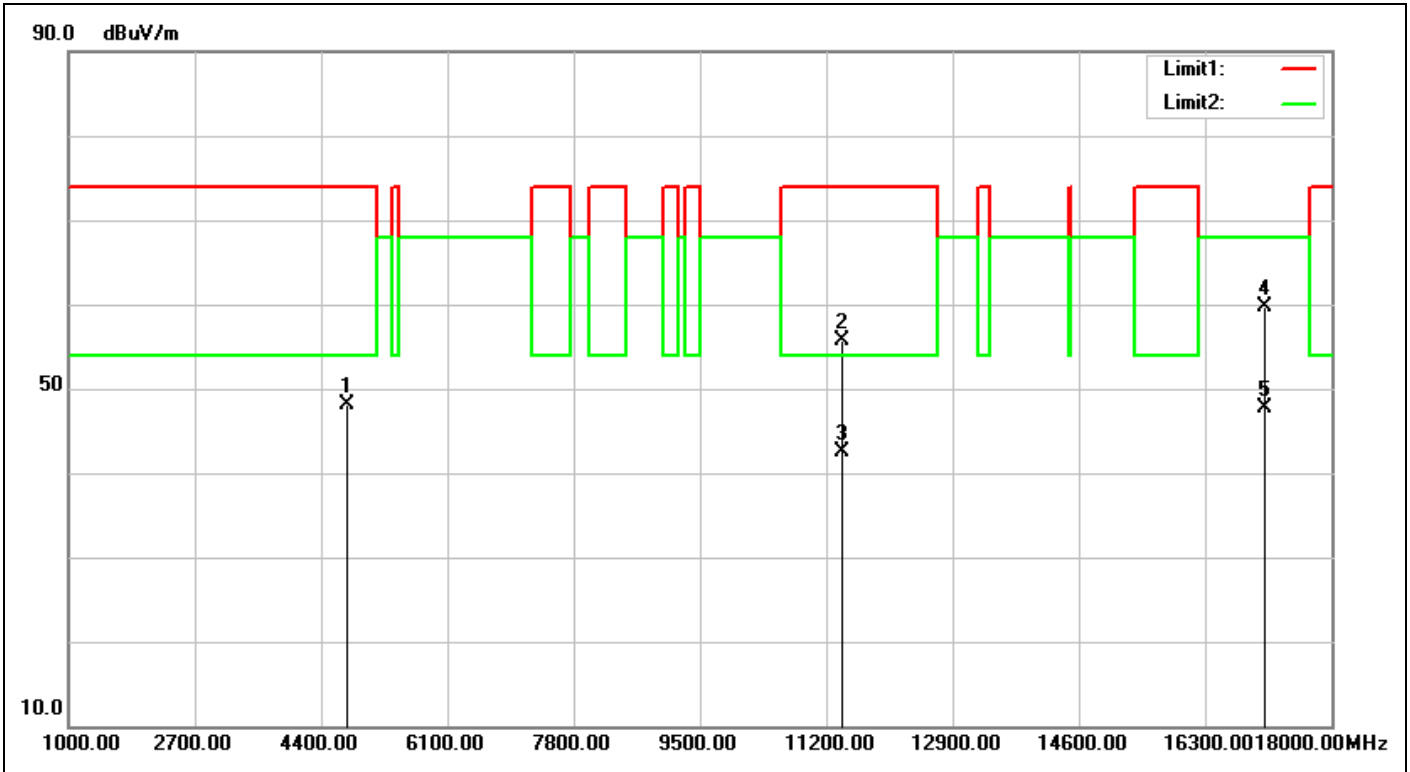
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:02:34
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5560-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4587.000	-1.89	50.37	48.48	74.00	-25.52	peak	100	349	
2	11120.000	5.20	51.65	56.85	74.00	-17.15	peak			
3	11120.000	5.20	39.50	44.70	54.00	-9.30	AVG			
4	16680.000	16.66	42.70	59.36	68.00	-8.64	peak			
5	16680.000	16.66	29.94	46.60	68.00	-21.40	AVG			



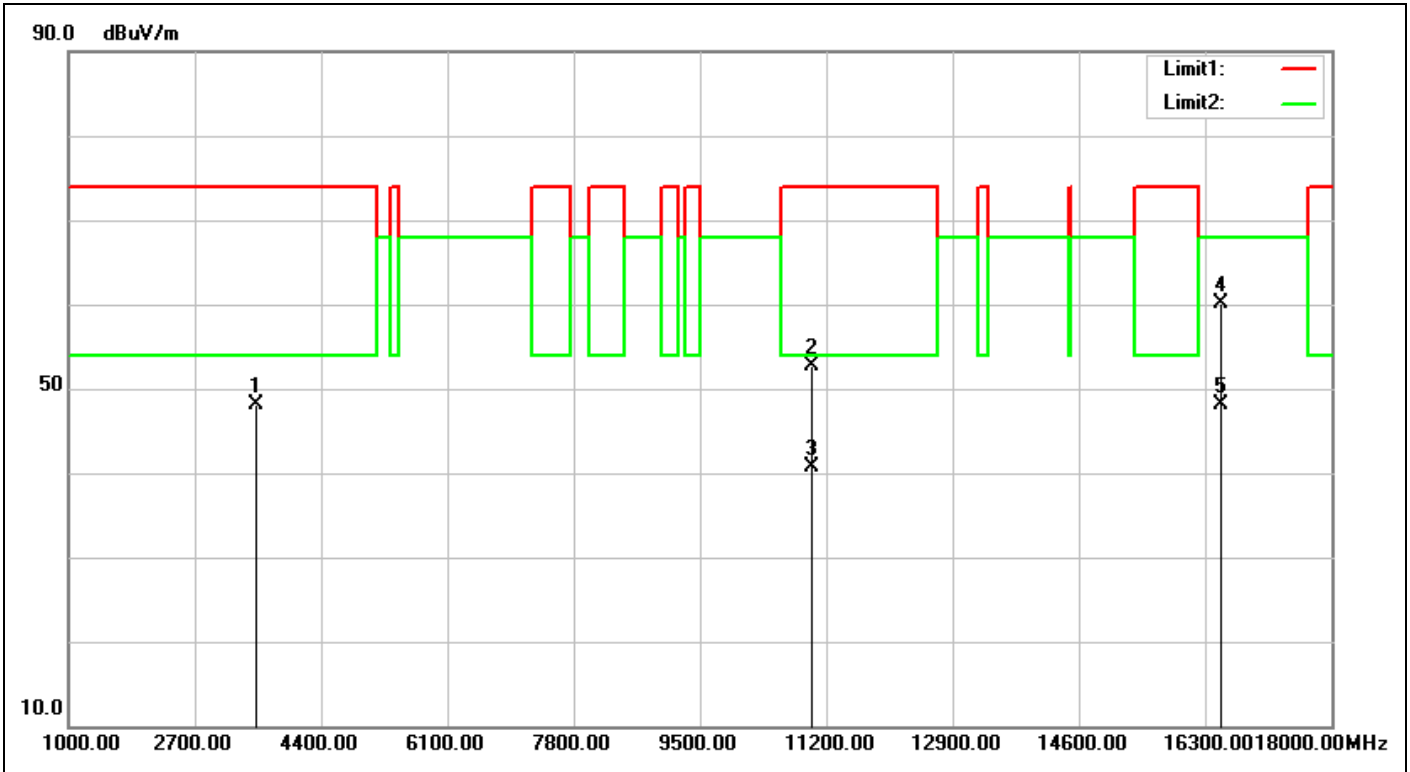
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:04:52
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5700-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-3.32	51.93	48.61	74.00	-25.39	peak	100	295	
2	11400.000	5.64	48.92	54.56	74.00	-19.44	peak			
3	11400.000	5.64	36.76	42.40	54.00	-11.60	AVG			
4	17100.000	16.56	43.74	60.30	68.00	-7.70	peak			
5	17100.000	16.56	31.54	48.10	68.00	-19.90	AVG			



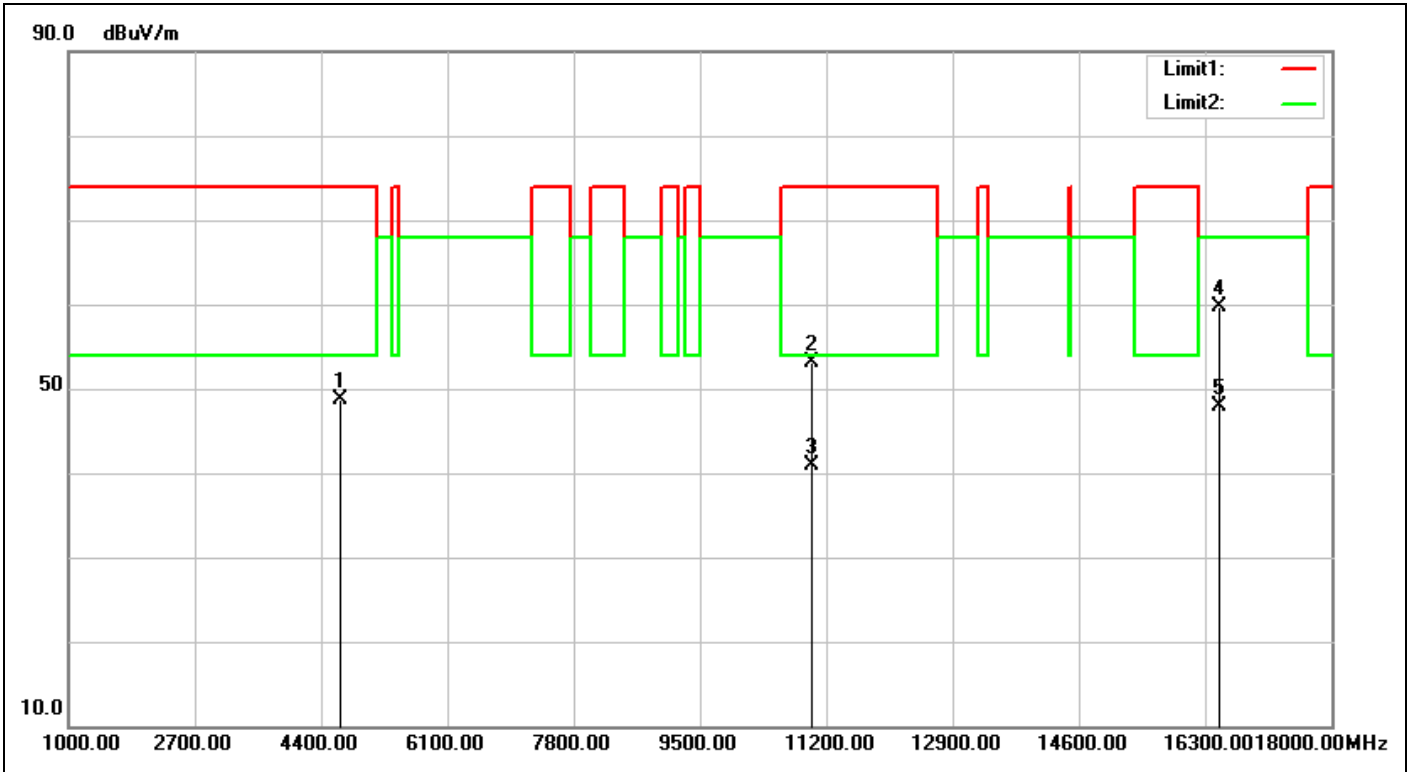
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:05:55
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5700-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	49.79	48.08	74.00	-25.92	peak	100	208	
2	11400.000	5.64	50.01	55.65	74.00	-18.35	peak			
3	11400.000	5.64	36.96	42.60	54.00	-11.40	AVG			
4	17100.000	16.56	43.15	59.71	68.00	-8.29	peak			
5	17100.000	16.56	31.24	47.80	68.00	-20.20	AVG			



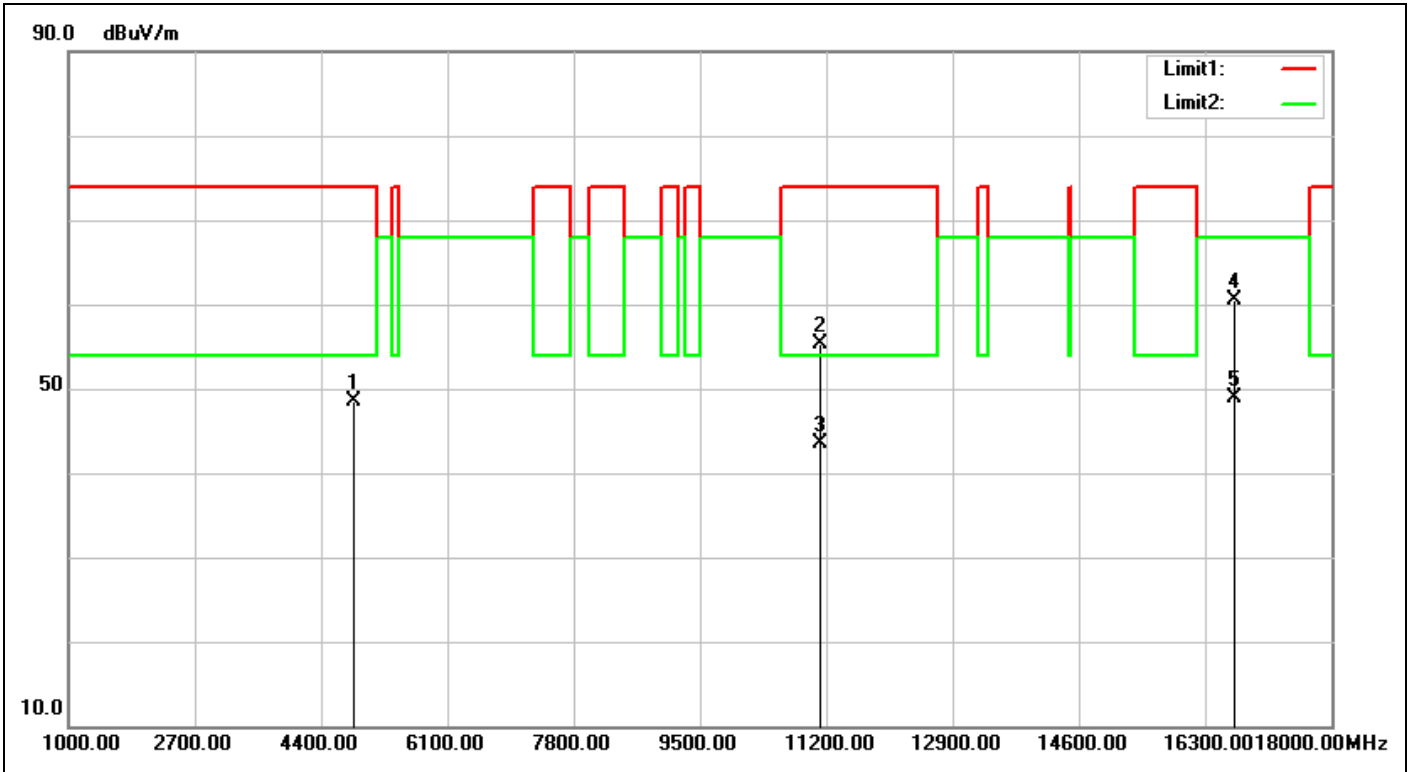
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:08:20
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5500-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3533.000	-4.69	52.83	48.14	74.00	-25.86	peak	100	36	
2	11000.000	5.00	47.75	52.75	74.00	-21.25	peak			
3	11000.000	5.00	35.80	40.80	54.00	-13.20	AVG			
4	16500.000	16.64	43.37	60.01	68.00	-7.99	peak			
5	16500.000	16.64	31.46	48.10	68.00	-19.90	AVG			



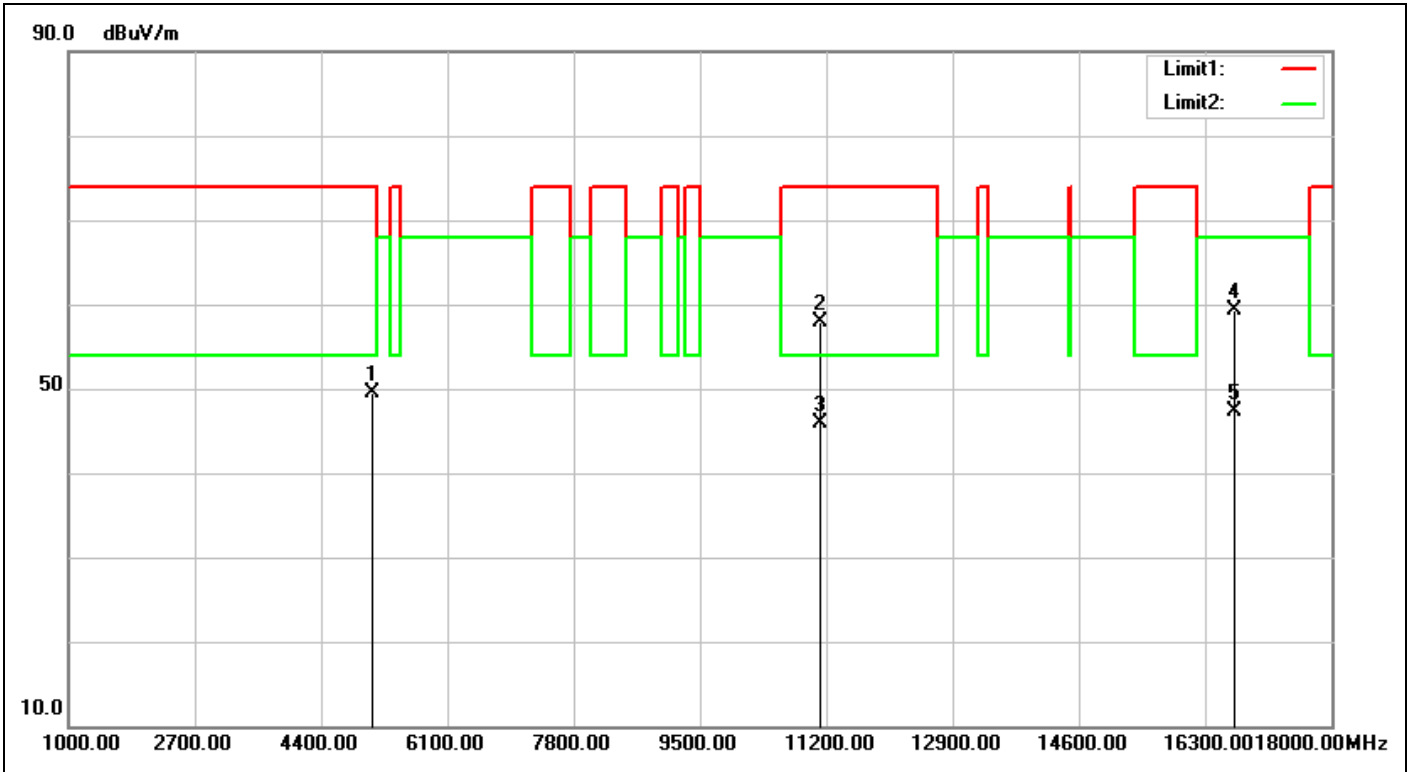
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:09:23
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5500-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4655.000	-1.82	50.47	48.65	74.00	-25.35	peak	100	286	
2	11000.000	5.00	48.05	53.05	74.00	-20.95	peak			
3	11000.000	5.00	36.00	41.00	54.00	-13.00	AVG			
4	16500.000	16.64	43.16	59.80	68.00	-8.20	peak			
5	16500.000	16.64	31.36	48.00	68.00	-20.00	AVG			



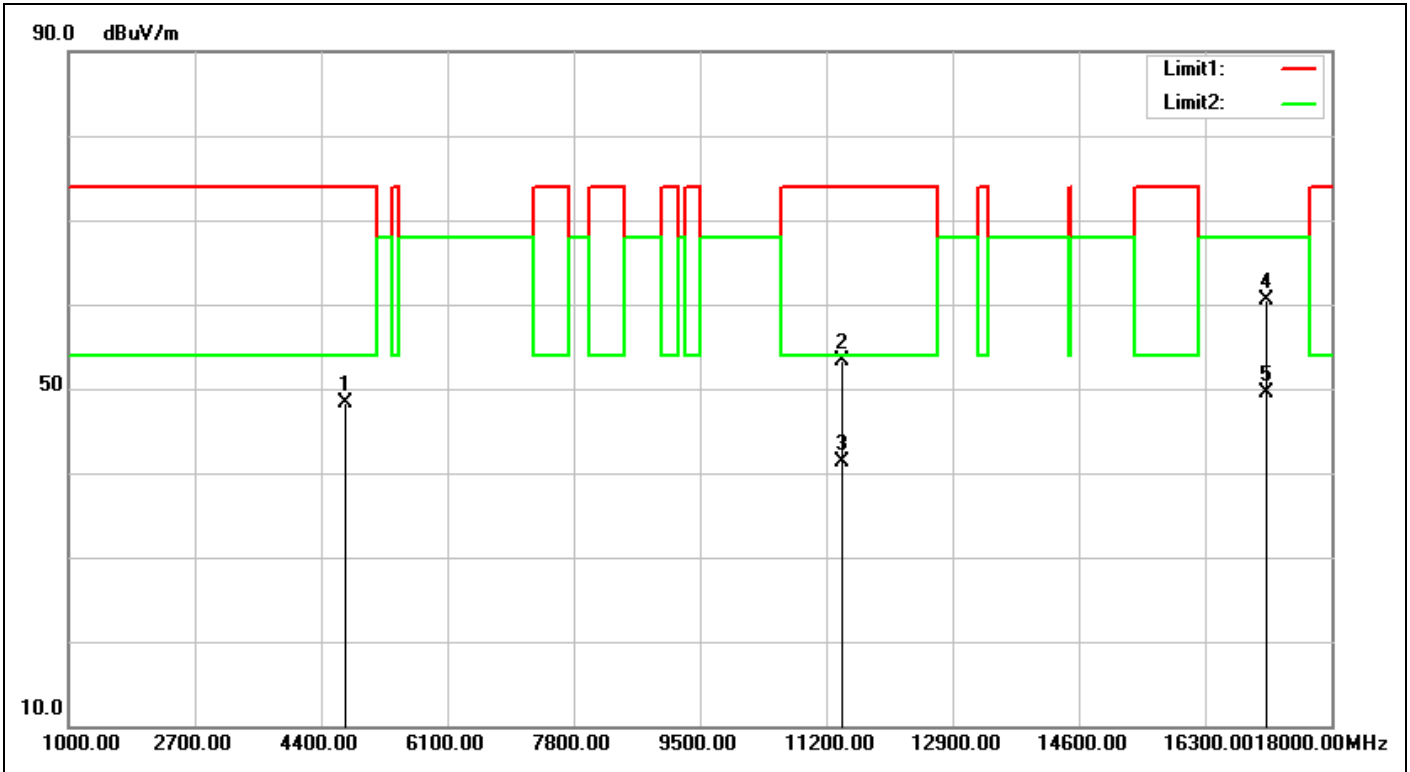
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:11:31
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5560-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-1.61	50.03	48.42	74.00	-25.58	peak	100	144	
2	11120.000	5.20	50.05	55.25	74.00	-18.75	peak			
3	11120.000	5.20	38.40	43.60	54.00	-10.40	AVG			
4	16680.000	16.66	43.86	60.52	68.00	-7.48	peak			
5	16680.000	16.66	32.34	49.00	68.00	-19.00	AVG			



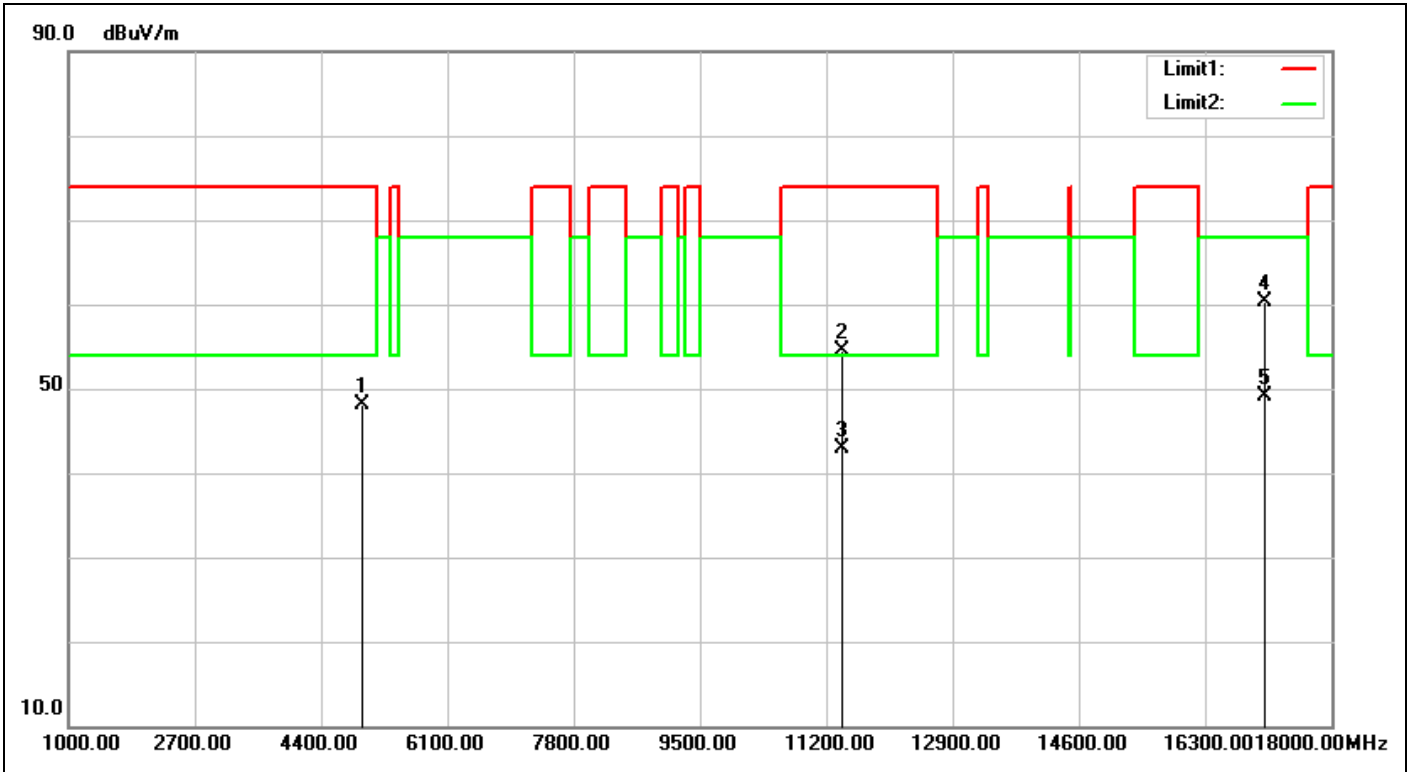
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:12:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5560-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5097.000	-0.92	50.41	49.49	74.00	-24.51	peak	100	269	
2	11120.000	5.20	52.61	57.81	74.00	-16.19	peak			
3	11120.000	5.20	40.70	45.90	54.00	-8.10	AVG			
4	16680.000	16.66	42.72	59.38	68.00	-8.62	peak			
5	16680.000	16.66	30.74	47.40	68.00	-20.60	AVG			



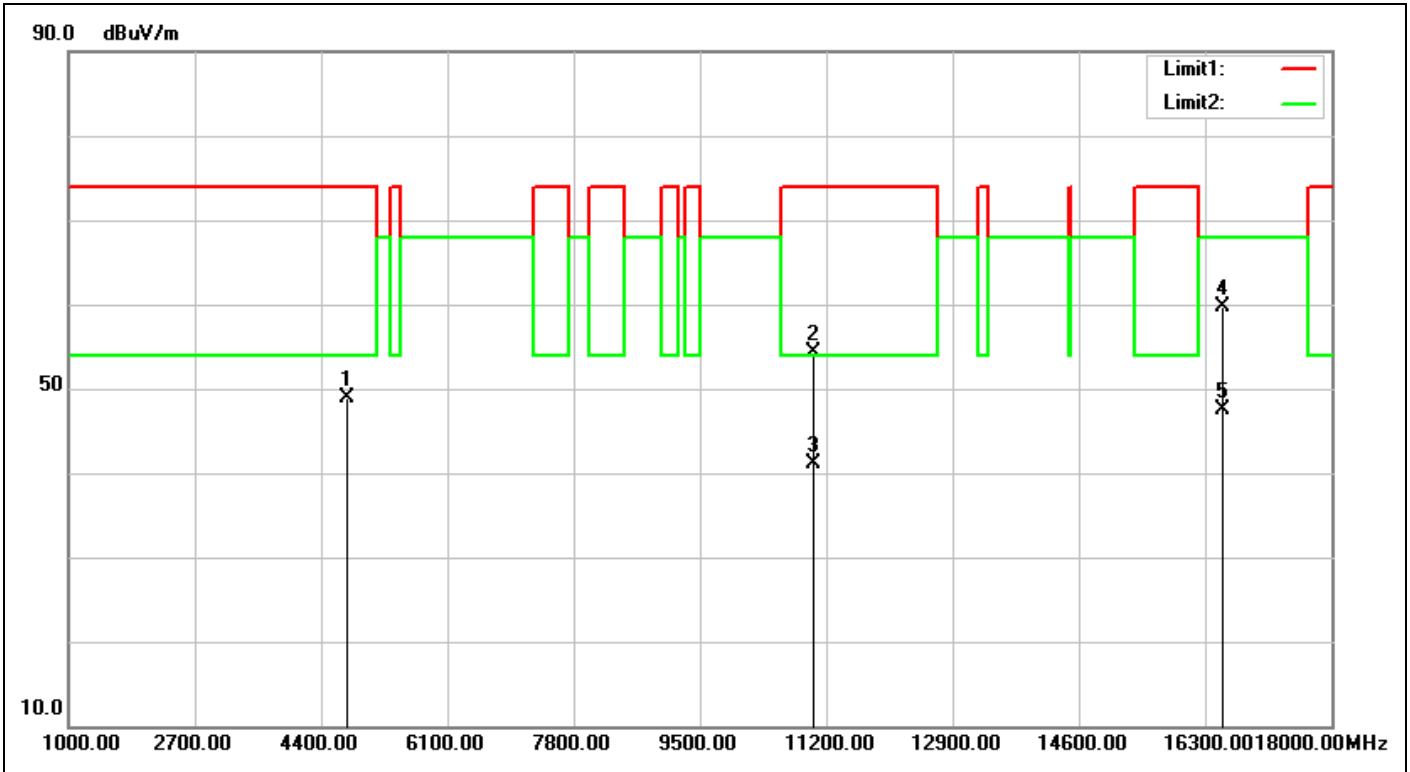
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:14:44
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5700-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4723.000	-1.74	50.07	48.33	74.00	-25.67	peak	100	19	
2	11400.000	5.64	47.71	53.35	74.00	-20.65	peak			
3	11400.000	5.64	35.76	41.40	54.00	-12.60	AVG			
4	17100.000	16.56	44.04	60.60	68.00	-7.40	peak			
5	17100.000	16.56	33.04	49.60	68.00	-18.40	AVG			



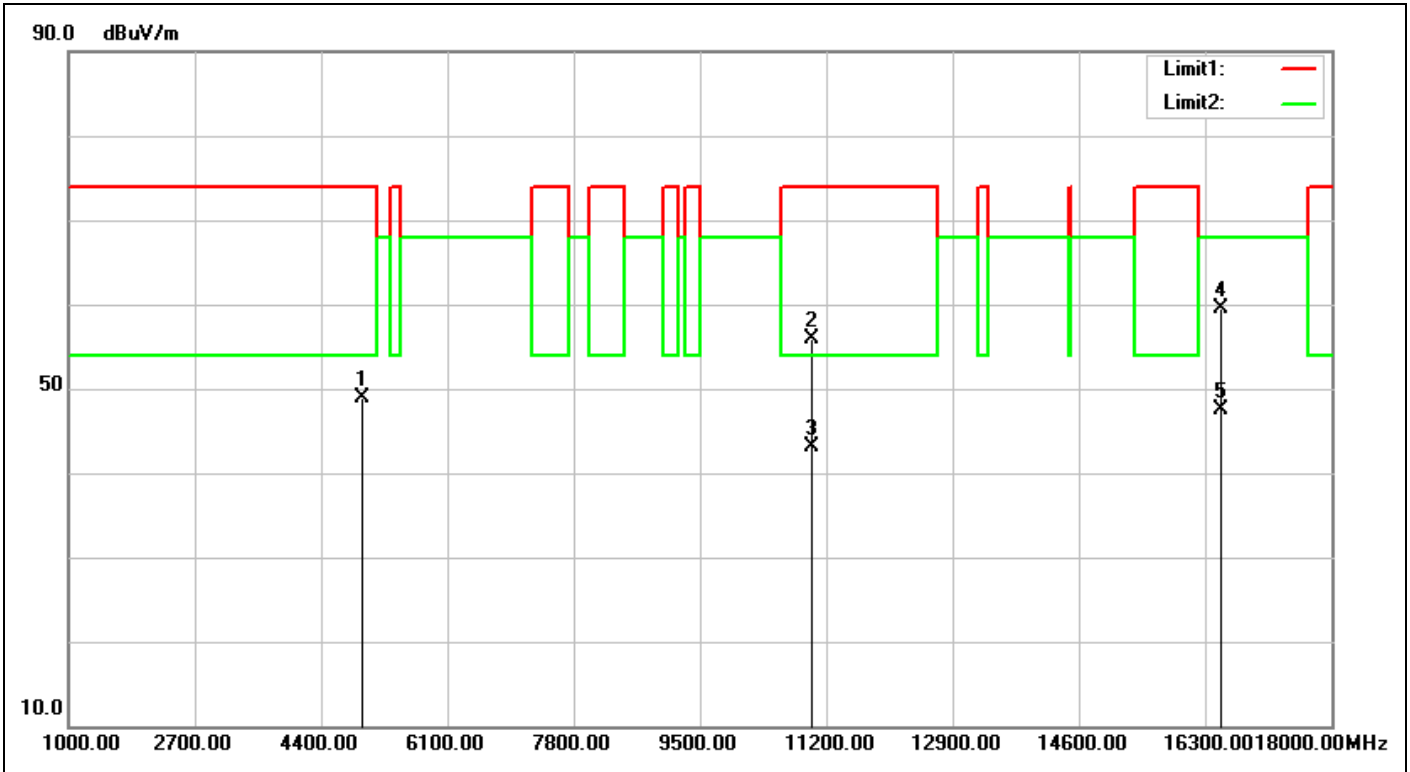
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:15:46
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5700-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4944.000	-1.50	49.70	48.20	74.00	-25.80	peak	100	189	
2	11400.000	5.64	48.93	54.57	74.00	-19.43	peak			
3	11400.000	5.64	37.36	43.00	54.00	-11.00	AVG			
4	17100.000	16.56	43.79	60.35	68.00	-7.65	peak			
5	17100.000	16.56	32.54	49.10	68.00	-18.90	AVG			



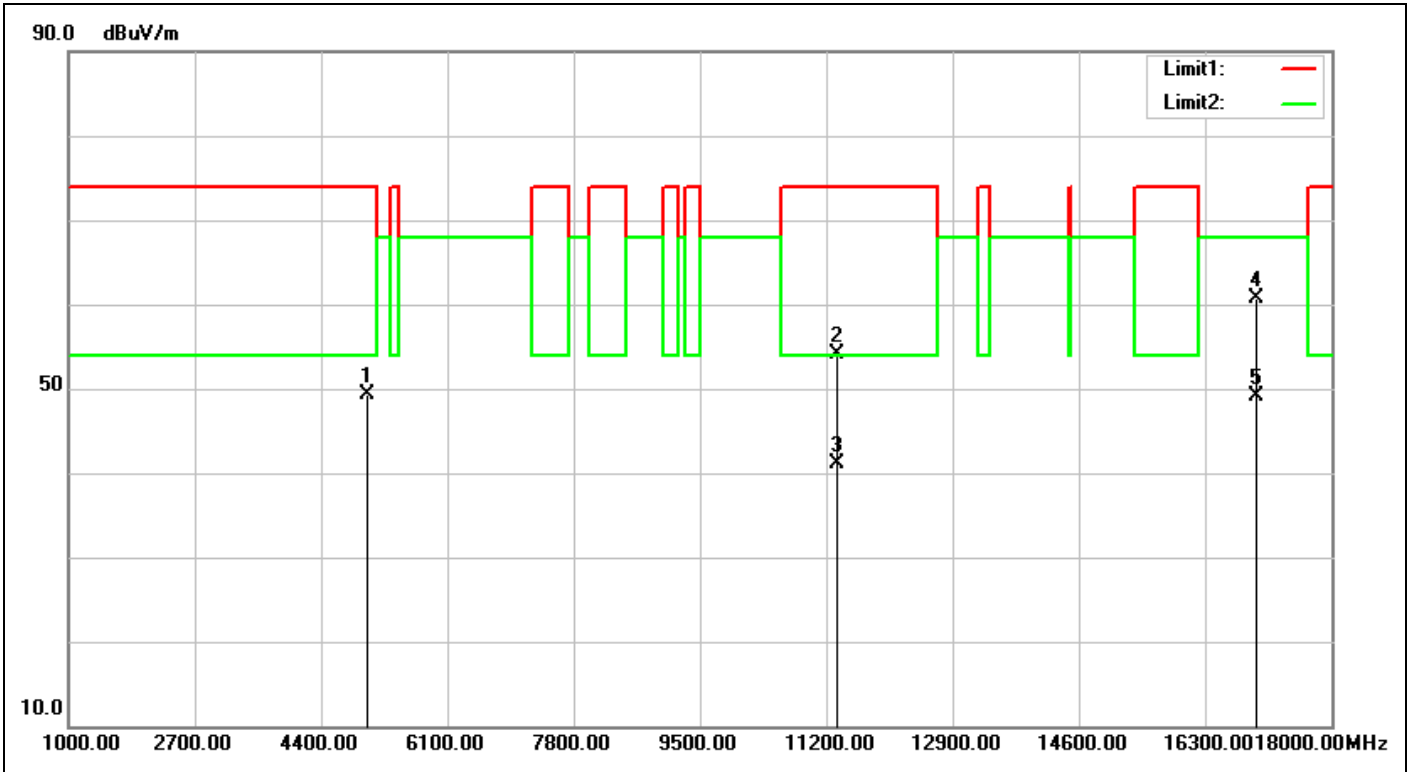
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/25 21:18:06
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5510-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4740.000	-1.71	50.70	48.99	74.00	-25.01	peak	100	157	
2	11020.000	5.04	49.18	54.22	74.00	-19.78	peak			
3	11020.000	5.04	36.16	41.20	54.00	-12.80	AVG			
4	16530.000	16.64	43.06	59.70	68.00	-8.30	peak			
5	16530.000	16.64	30.86	47.50	68.00	-20.50	AVG			



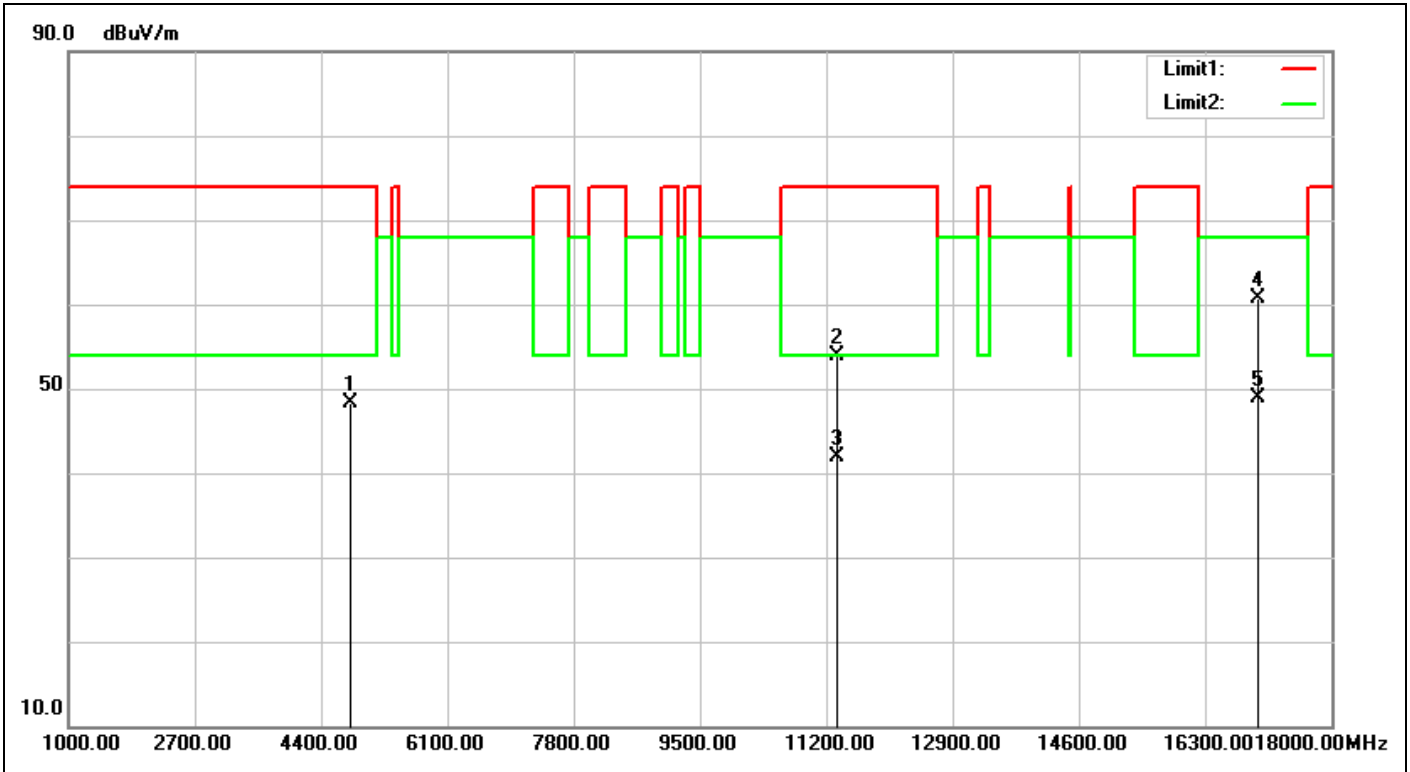
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/25 21:19:08
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	21.8(°C)/56%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5510-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4944.000	-1.50	50.41	48.91	74.00	-25.09	peak	100	211	
2	11020.000	5.04	50.86	55.90	74.00	-18.10	peak			
3	11020.000	5.04	38.06	43.10	54.00	-10.90	AVG			
4	16530.000	16.64	42.84	59.48	68.00	-8.52	peak			
5	16530.000	16.64	30.86	47.50	68.00	-20.50	AVG			



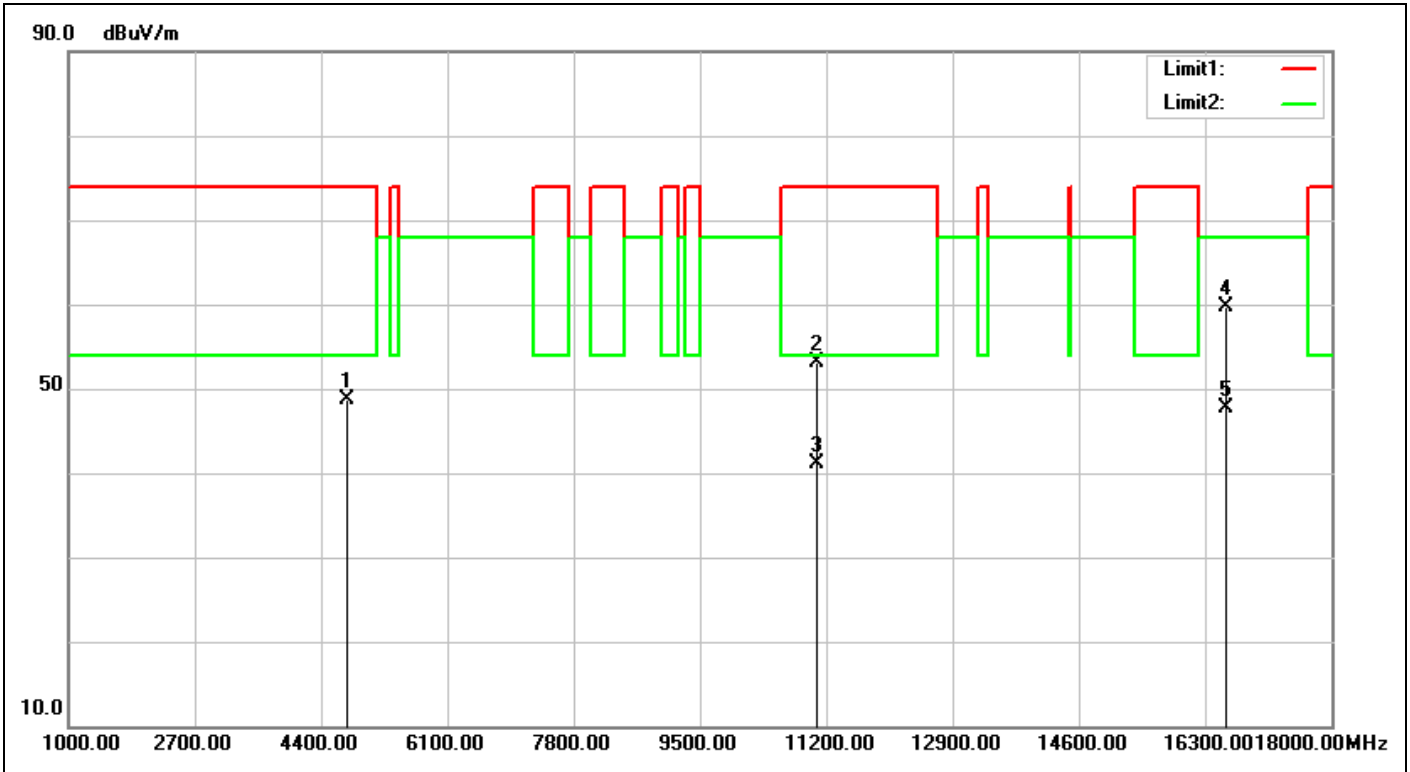
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:02:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5670-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5029.000	-1.28	50.63	49.35	74.00	-24.65	peak	100	34	
2	11340.000	5.55	48.65	54.20	74.00	-19.80	peak			
3	11340.000	5.55	35.65	41.20	54.00	-12.80	AVG			
4	17010.000	16.67	44.11	60.78	68.00	-7.22	peak			
5	17010.000	16.67	32.43	49.10	68.00	-18.90	AVG			



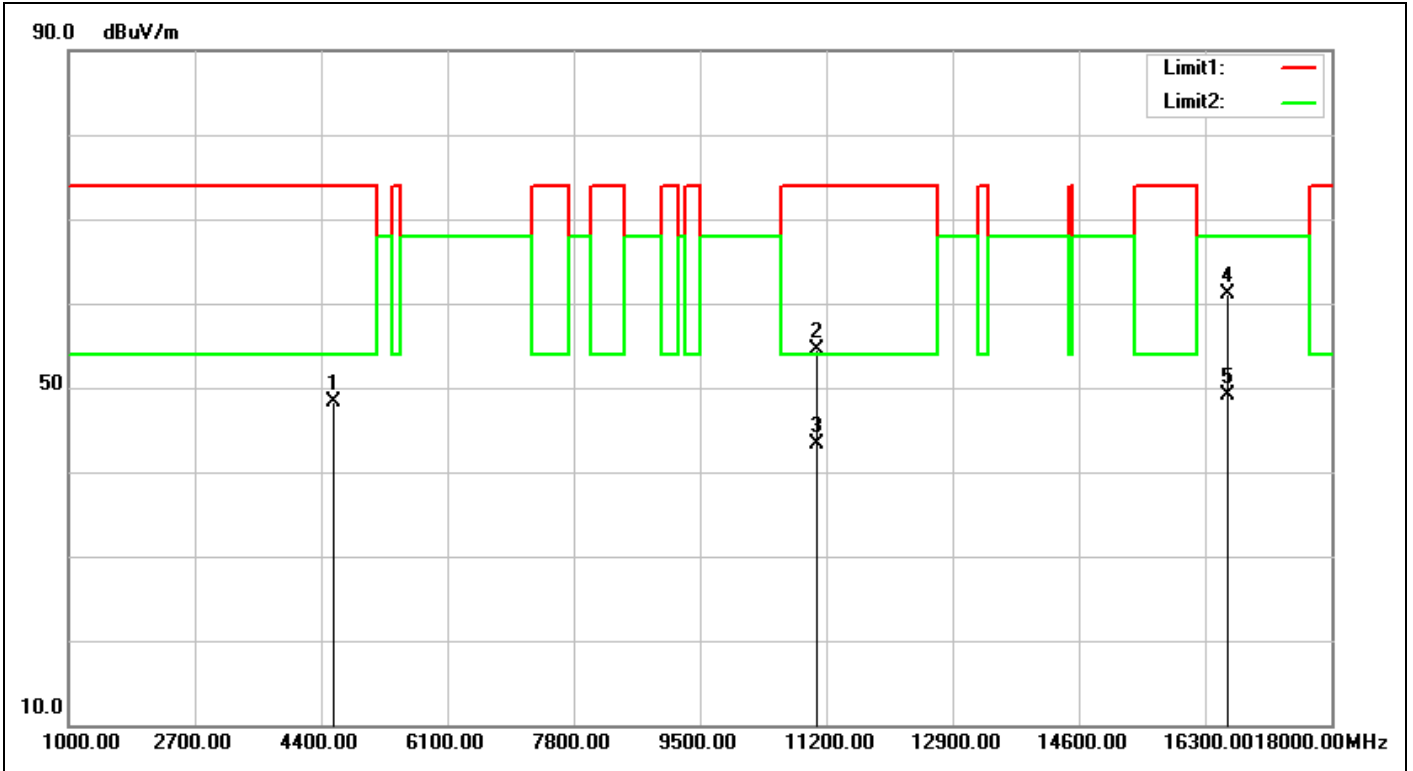
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:03:36
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5670-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4791.000	-1.66	49.99	48.33	74.00	-25.67	peak	100	150	
2	11340.000	5.55	48.35	53.90	74.00	-20.10	peak			
3	11340.000	5.55	36.45	42.00	54.00	-12.00	AVG			
4	17010.000	16.67	44.05	60.72	68.00	-7.28	peak			
5	17010.000	16.67	32.33	49.00	68.00	-19.00	AVG			



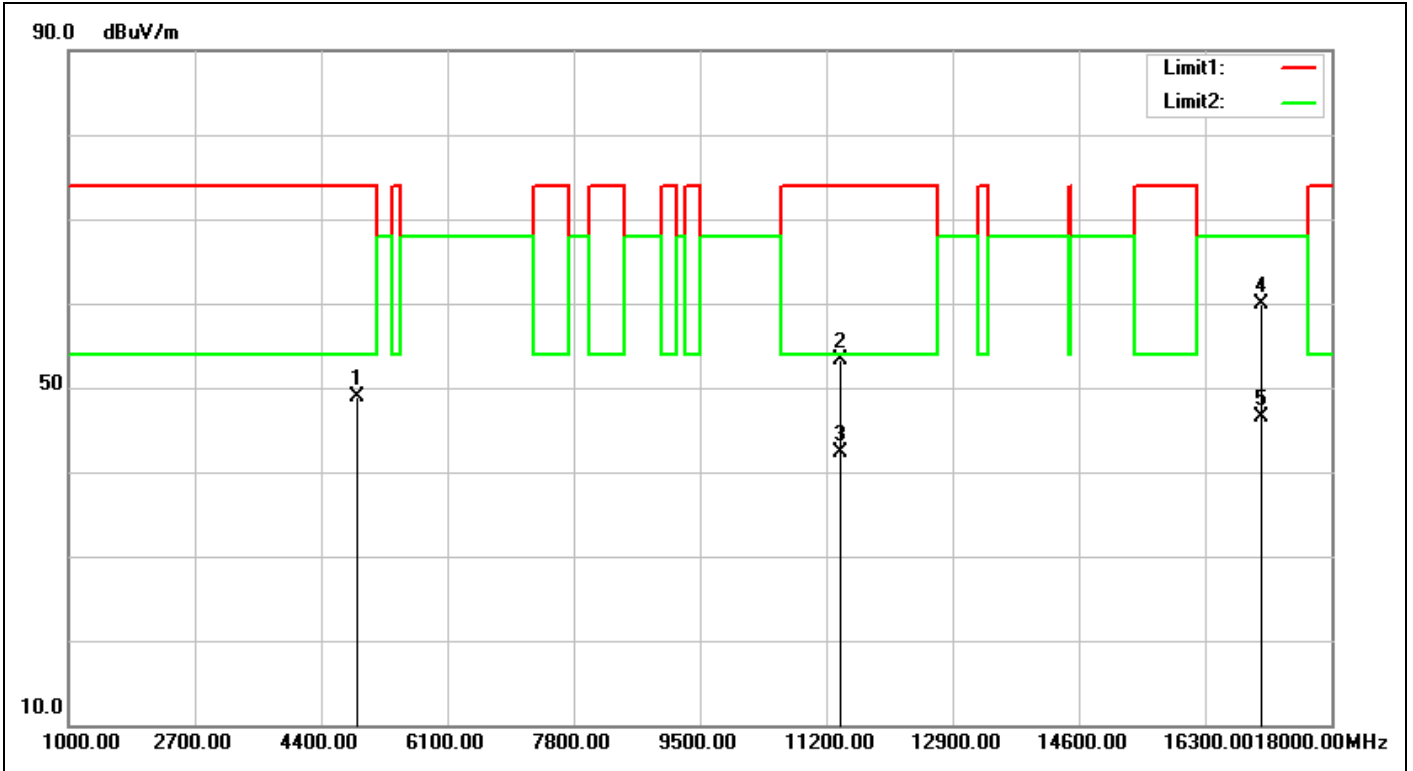
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:06:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5530-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	50.44	48.73	74.00	-25.27	peak	100	190	
2	11060.000	5.10	47.92	53.02	74.00	-20.98	peak			
3	11060.000	5.10	36.10	41.20	54.00	-12.80	AVG			
4	16590.000	16.65	43.00	59.65	68.00	-8.35	peak			
5	16590.000	16.65	31.15	47.80	68.00	-20.20	AVG			



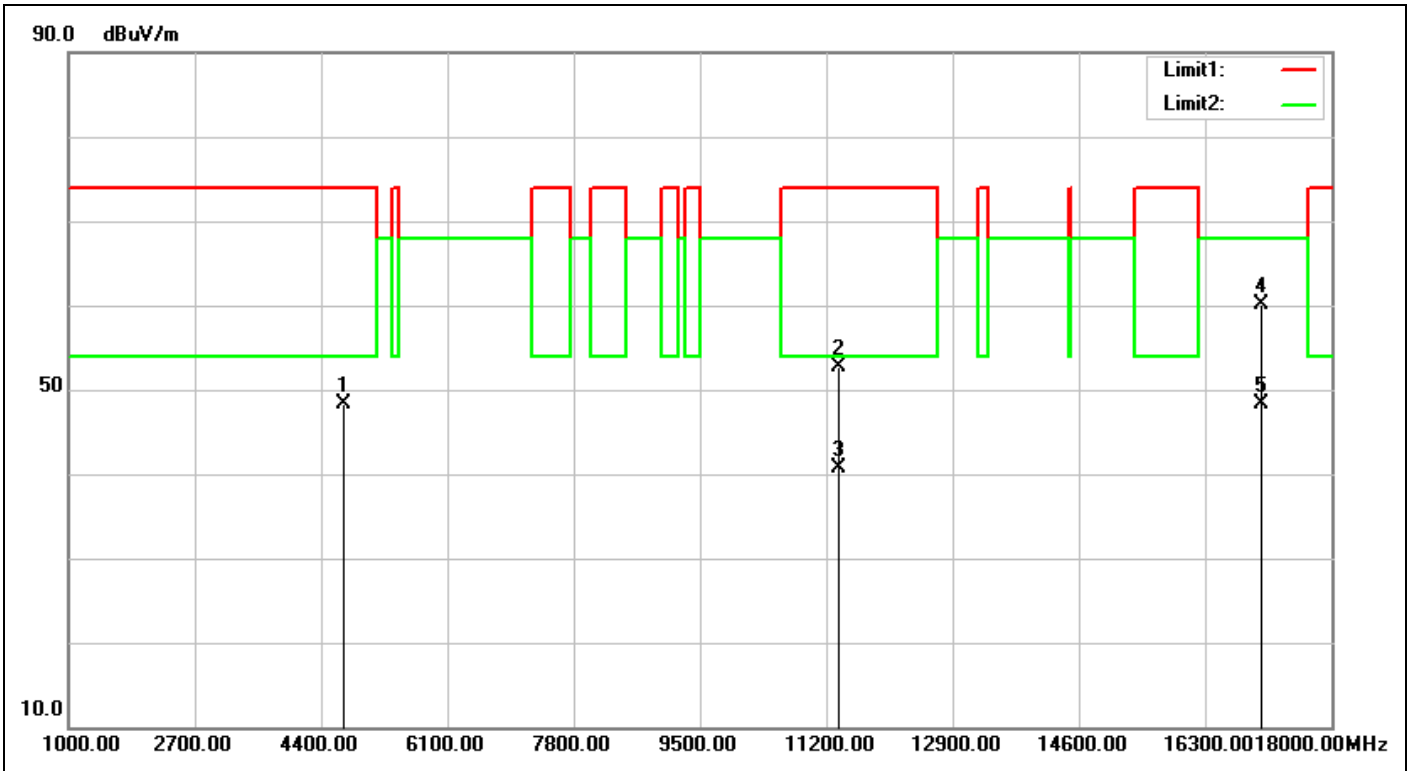
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:07:35
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5530-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4570.000	-1.91	50.15	48.24	74.00	-25.76	peak	100	304	
2	11060.000	5.10	49.45	54.55	74.00	-19.45	peak			
3	11060.000	5.10	38.20	43.30	54.00	-10.70	AVG			
4	16590.000	16.65	44.44	61.09	68.00	-6.91	peak			
5	16590.000	16.65	32.45	49.10	68.00	-18.90	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:10:14
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5690-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4893.000	-1.55	50.54	48.99	74.00	-25.01	peak	100	198	
2	11380.000	5.60	47.68	53.28	74.00	-20.72	peak			
3	11380.000	5.60	36.70	42.30	54.00	-11.70	AVG			
4	17070.000	16.59	43.35	59.94	68.00	-8.06	peak			
5	17070.000	16.59	29.91	46.50	68.00	-21.50	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:11:16
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5690-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4706.000	-1.76	50.15	48.39	74.00	-25.61	peak	100	348	
2	11380.000	5.60	47.11	52.71	74.00	-21.29	peak			
3	11380.000	5.60	35.20	40.80	54.00	-13.20	AVG			
4	17070.000	16.59	43.58	60.17	68.00	-7.83	peak			
5	17070.000	16.59	31.71	48.30	68.00	-19.70	AVG			

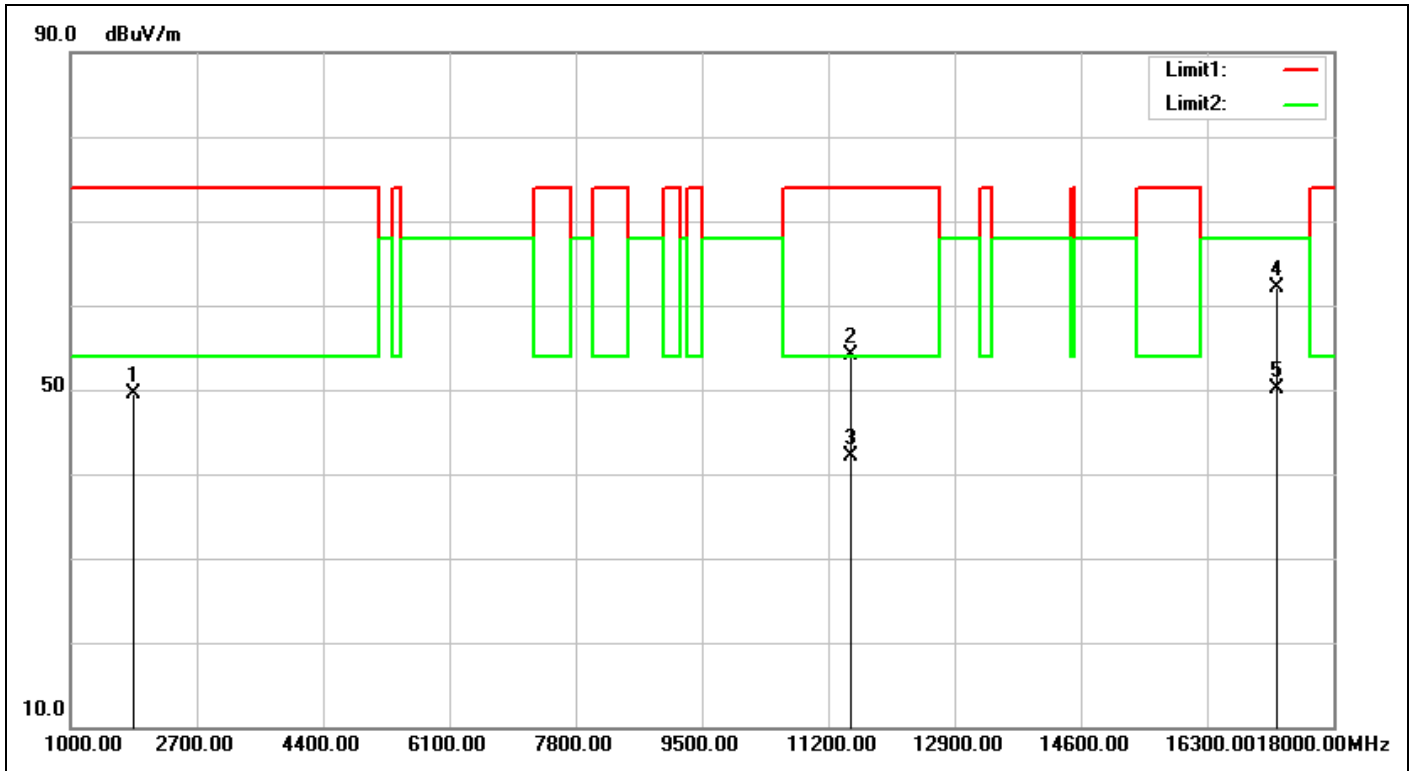
Spurious Emissions, TX Mode, 1-18G , 5725-5850MHz



TUV Taiwan

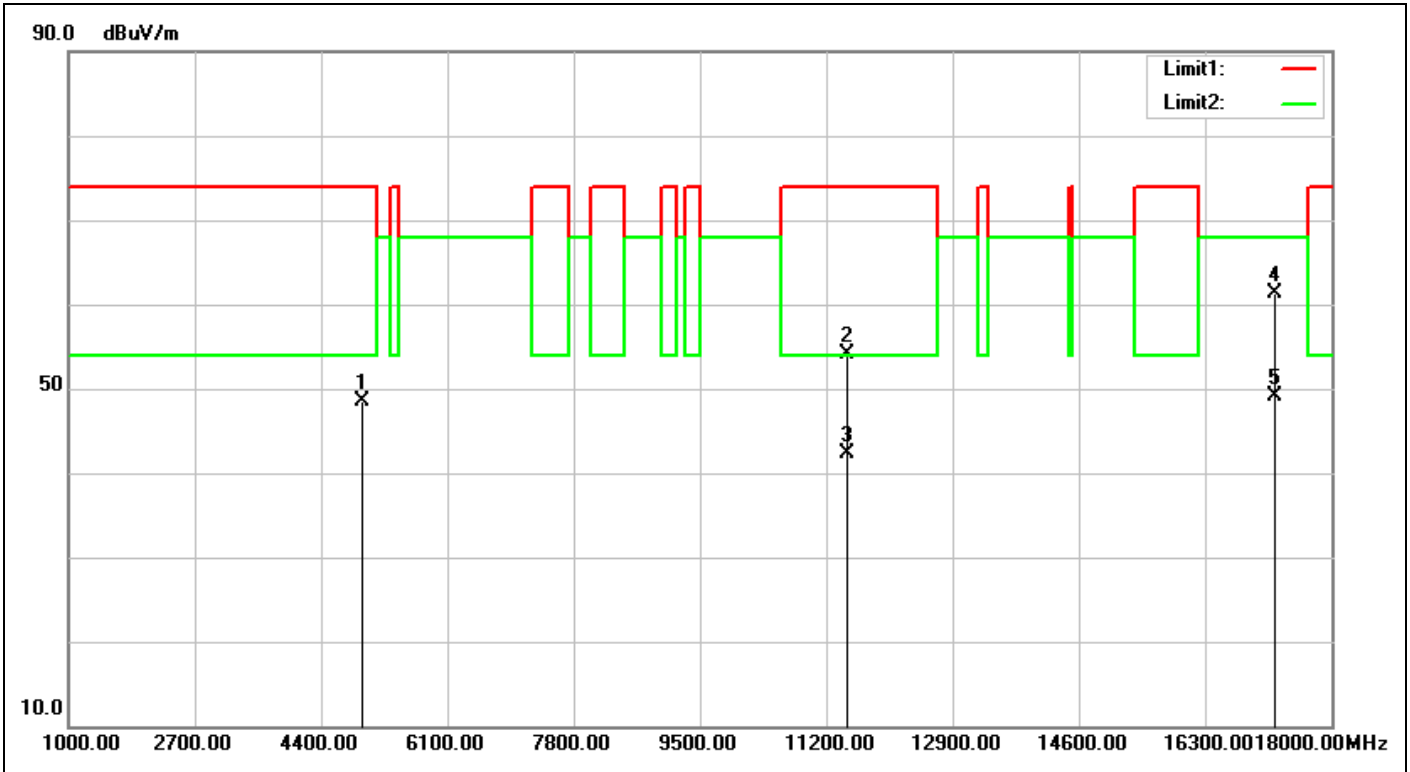
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



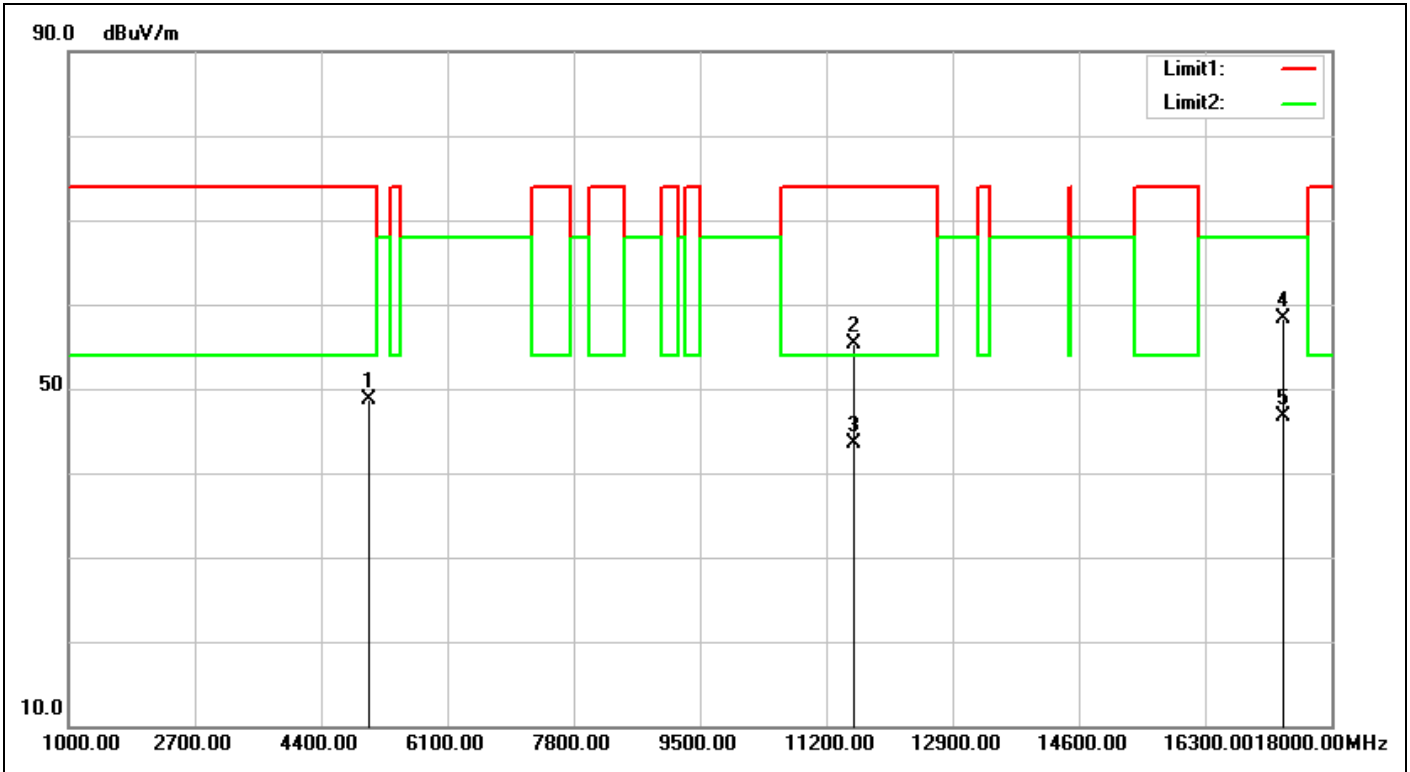
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:28:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-7.26	56.77	49.51	74.00	-24.49	peak	100	360	
2	11490.000	5.78	48.25	54.03	74.00	-19.97	peak		0	
3	11490.000	5.78	36.42	42.20	54.00	-11.80	AVG		0	
4	17235.000	16.40	45.63	62.03	68.00	-5.97	peak		0	
5	17235.000	16.40	33.70	50.10	68.00	-17.90	AVG		0	



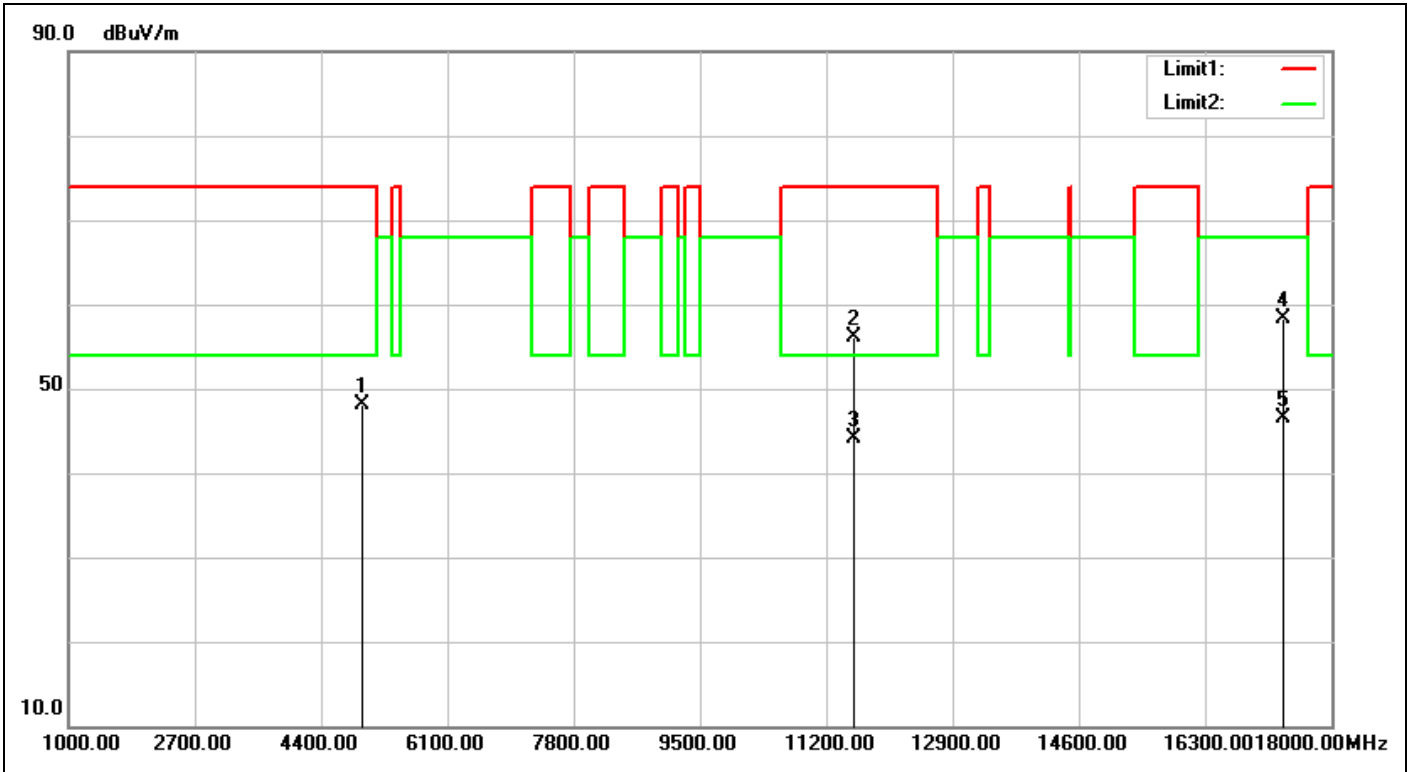
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:29:36
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.49	50.07	48.58	74.00	-25.42	peak	100	12	
2	11490.000	5.78	48.39	54.17	74.00	-19.83	peak			
3	11490.000	5.78	36.52	42.30	54.00	-11.70	AVG			
4	17235.000	16.40	44.94	61.34	68.00	-6.66	peak			
5	17235.000	16.40	32.80	49.20	68.00	-18.80	AVG			



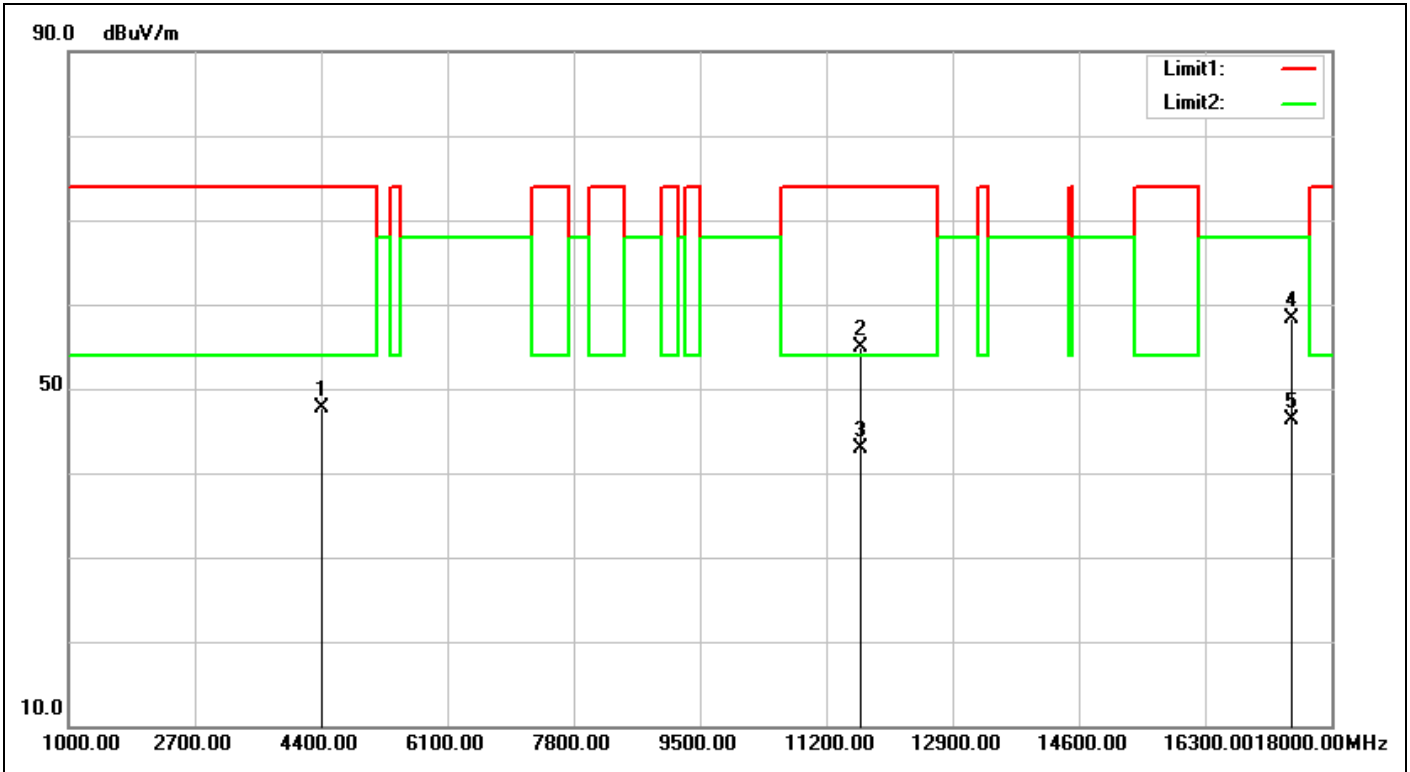
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:32:18
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5046.000	-1.19	49.90	48.71	74.00	-25.29	peak	100	268	
2	11570.000	6.07	49.20	55.27	74.00	-18.73	peak			
3	11570.000	6.07	37.53	43.60	54.00	-10.40	AVG			
4	17355.000	16.25	42.03	58.28	68.00	-9.72	peak			
5	17355.000	16.25	30.55	46.80	68.00	-21.20	AVG			



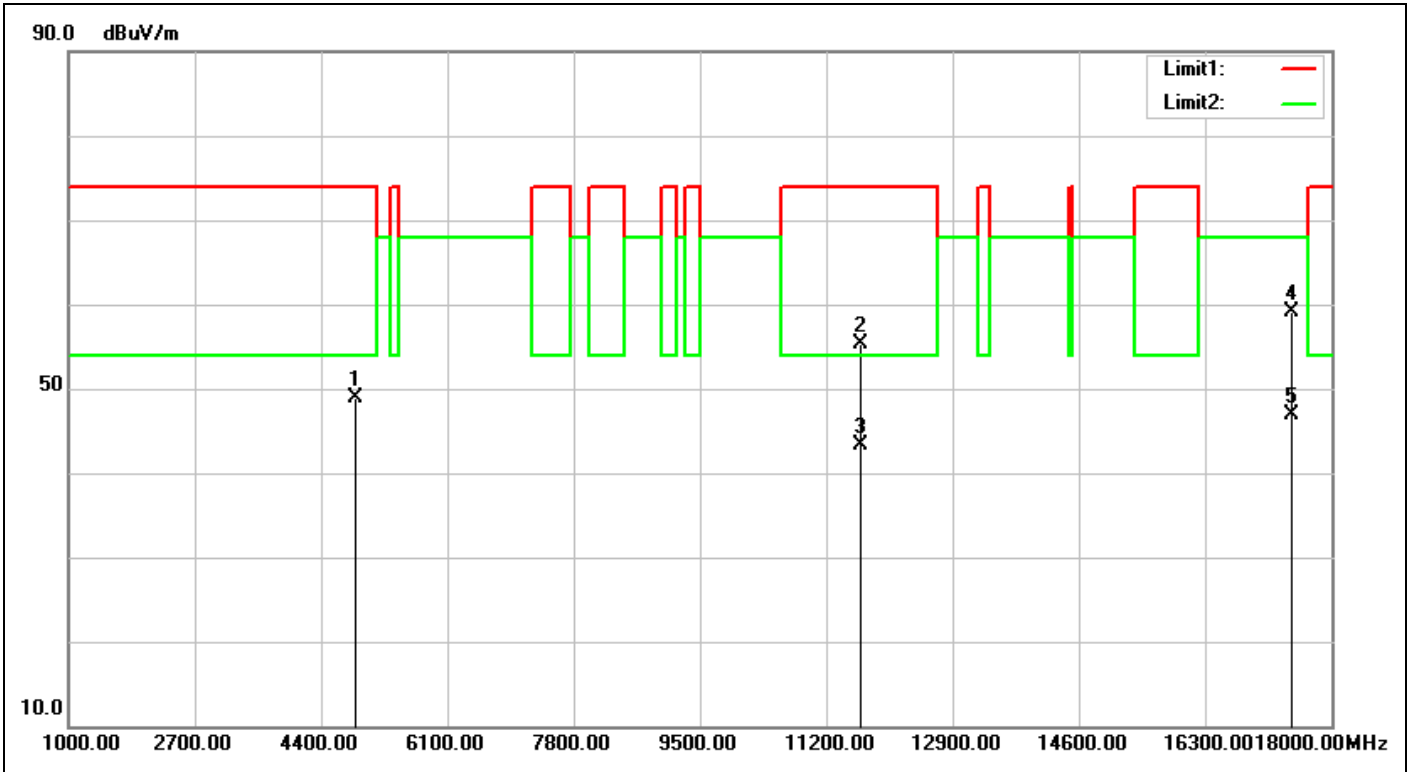
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:33:20
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.49	49.60	48.11	74.00	-25.89	peak	100	256	
2	11570.000	6.07	49.96	56.03	74.00	-17.97	peak			
3	11570.000	6.07	38.13	44.20	54.00	-9.80	AVG			
4	17355.000	16.25	42.00	58.25	68.00	-9.75	peak			
5	17355.000	16.25	30.25	46.50	68.00	-21.50	AVG			



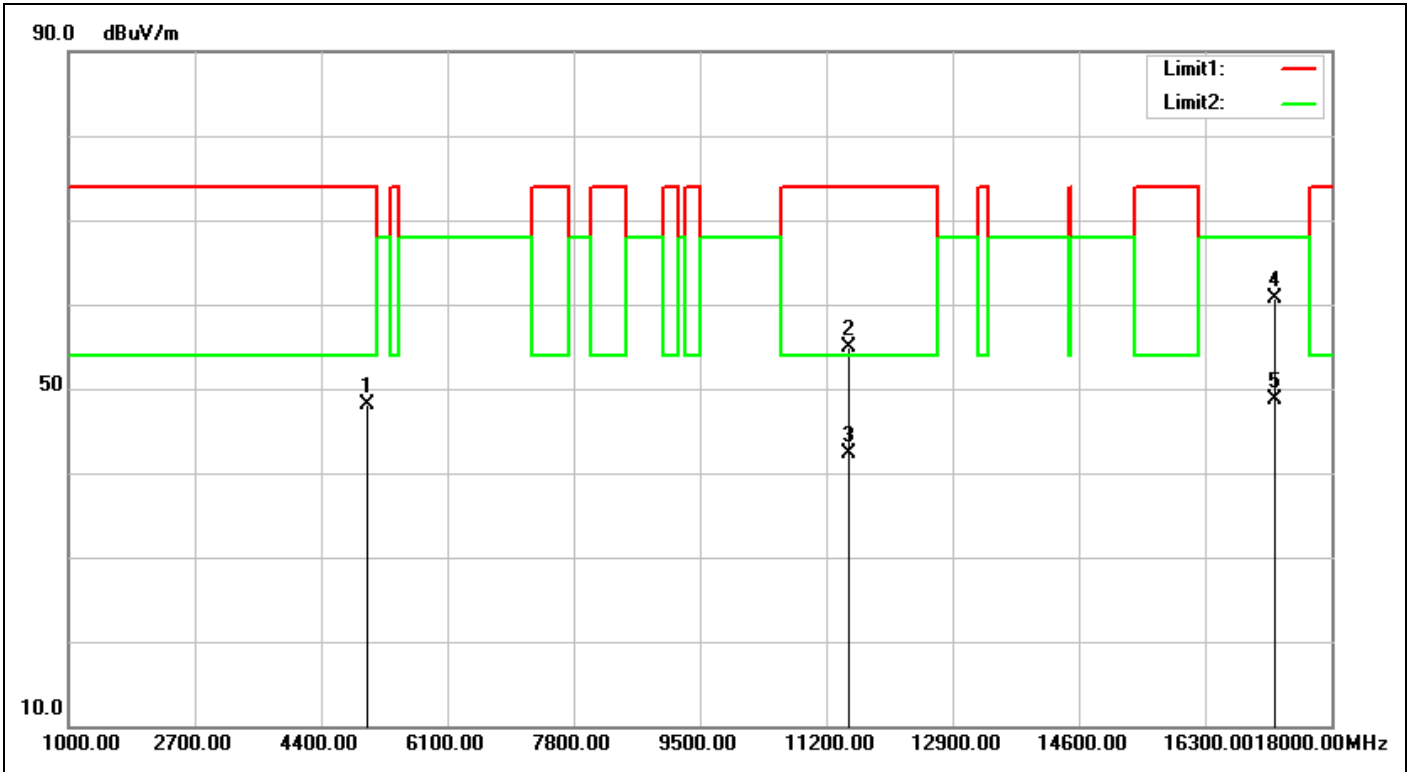
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:35:33
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4400.000	-2.36	50.08	47.72	74.00	-26.28	peak	100	307	
2	11650.000	6.37	48.55	54.92	74.00	-19.08	peak			
3	11650.000	6.37	36.63	43.00	54.00	-11.00	AVG			
4	17475.000	16.11	42.28	58.39	68.00	-9.61	peak			
5	17475.000	16.11	30.19	46.30	68.00	-21.70	AVG			



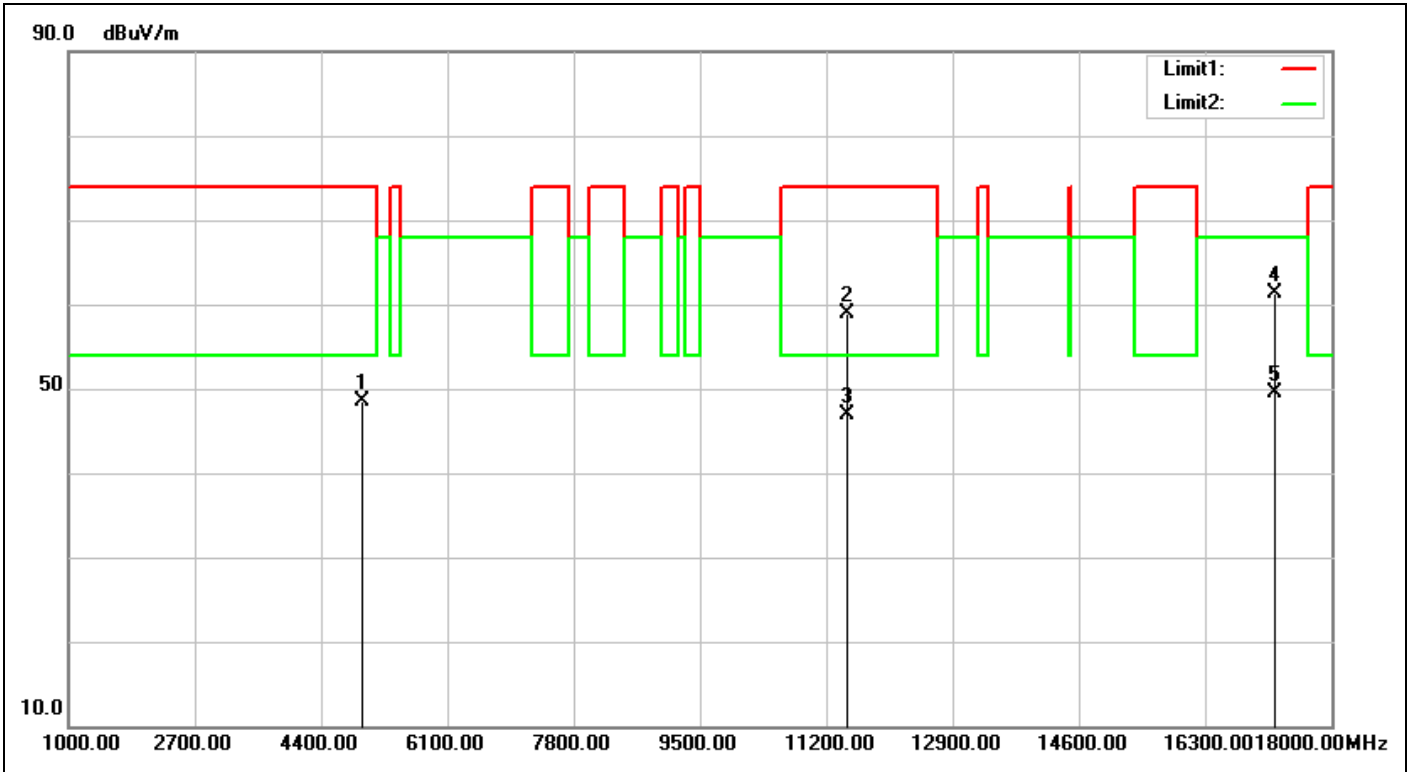
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:36:36
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	ANT1-A-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4859.000	-1.60	50.58	48.98	74.00	-25.02	peak	100	358	
2	11650.000	6.37	48.89	55.26	74.00	-18.74	peak			
3	11650.000	6.37	37.03	43.40	54.00	-10.60	AVG			
4	17475.000	16.11	43.03	59.14	68.00	-8.86	peak			
5	17475.000	16.11	30.89	47.00	68.00	-21.00	AVG			



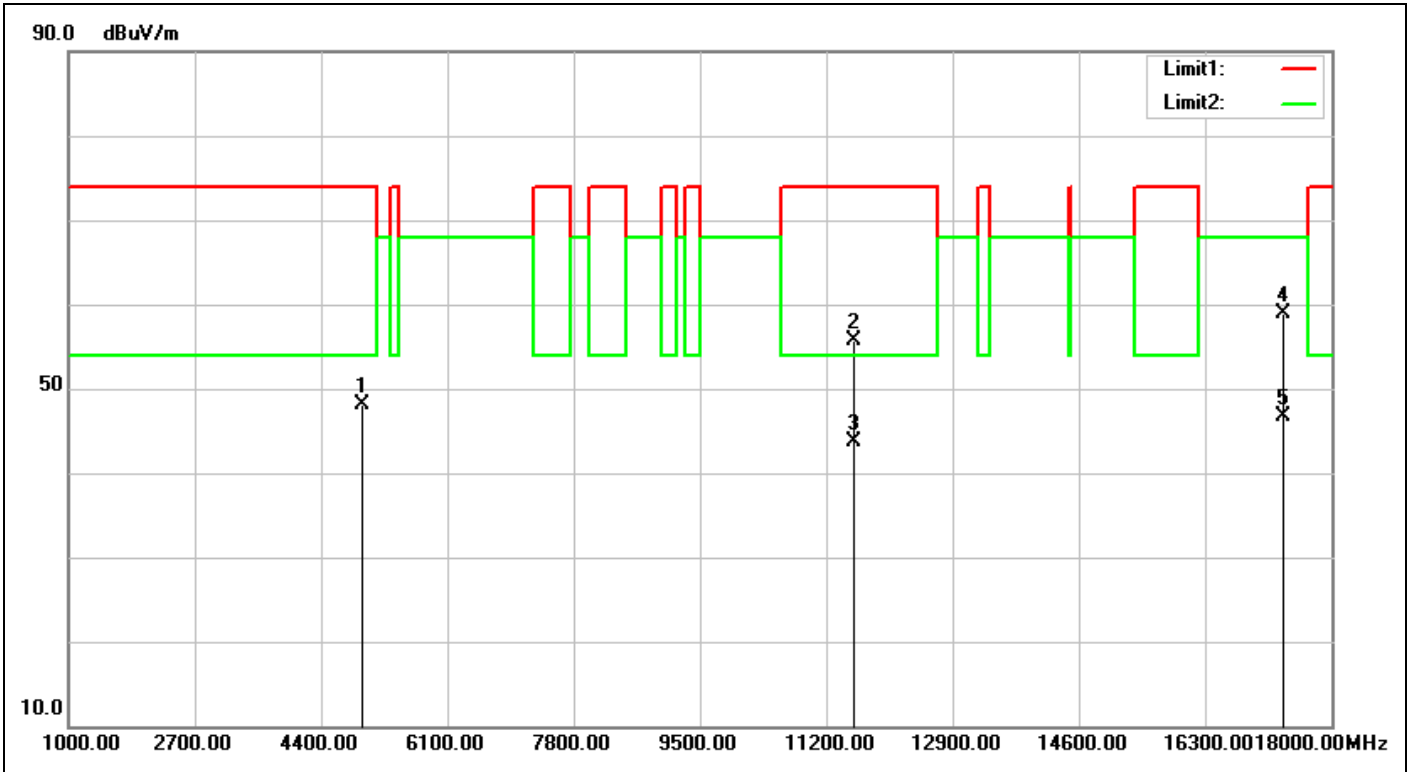
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:38:53
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5012.000	-1.38	49.46	48.08	74.00	-25.92	peak	100	71	
2	11490.000	5.78	49.10	54.88	74.00	-19.12	peak			
3	11490.000	5.78	36.52	42.30	54.00	-11.70	AVG			
4	17235.000	16.40	44.25	60.65	68.00	-7.35	peak			
5	17235.000	16.40	32.30	48.70	68.00	-19.30	AVG			



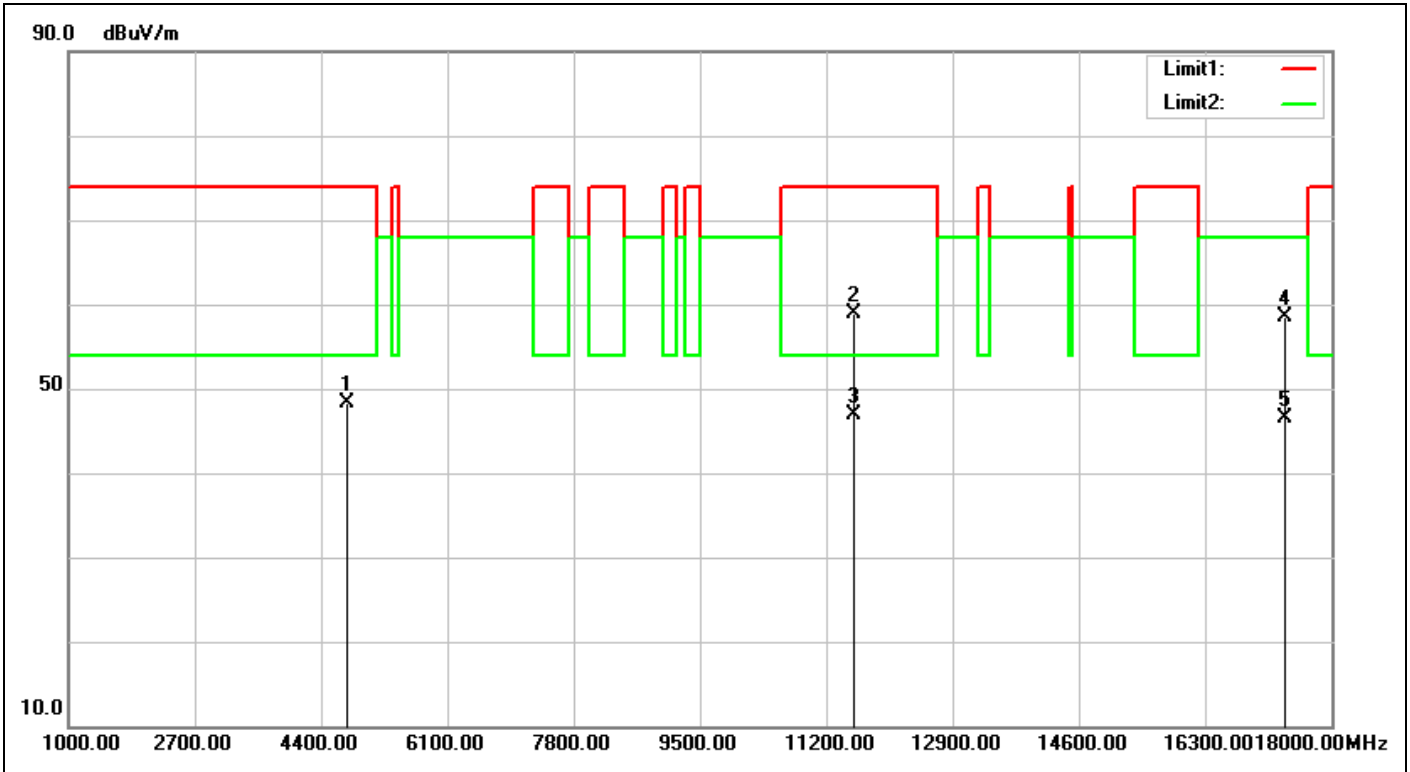
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:39:56
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.49	49.99	48.50	74.00	-25.50	peak	100	39	
2	11490.000	5.78	53.14	58.92	74.00	-15.08	peak	100	308	
3	11490.000	5.78	41.22	47.00	54.00	-7.00	AVG	100	308	
4	17235.000	16.40	44.93	61.33	68.00	-6.67	peak			
5	17235.000	16.40	33.10	49.50	68.00	-18.50	AVG			



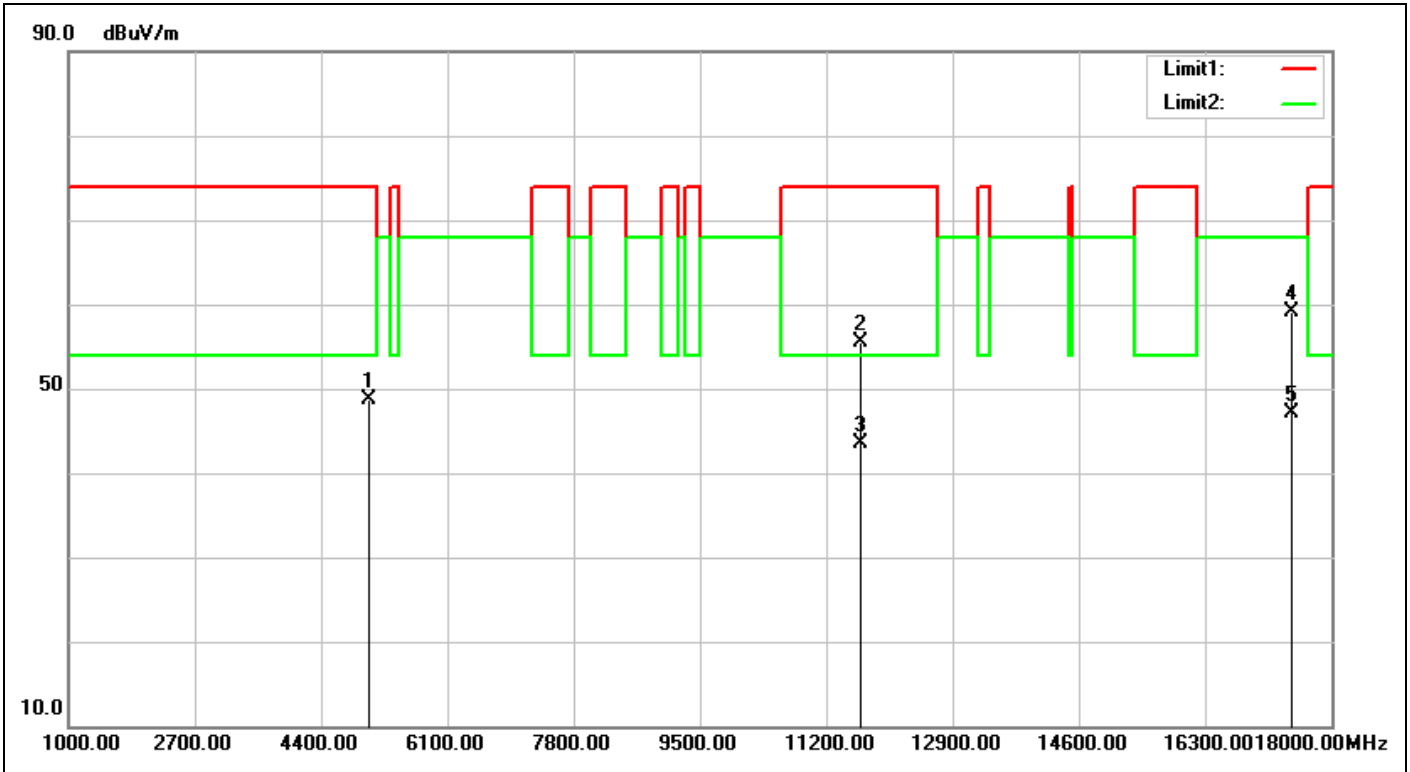
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:42:20
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4944.000	-1.50	49.61	48.11	74.00	-25.89	peak	100	360	
2	11570.000	6.07	49.67	55.74	74.00	-18.26	peak			
3	11570.000	6.07	37.73	43.80	54.00	-10.20	AVG			
4	17355.000	16.25	42.59	58.84	68.00	-9.16	peak			
5	17355.000	16.25	30.55	46.80	68.00	-21.20	AVG			



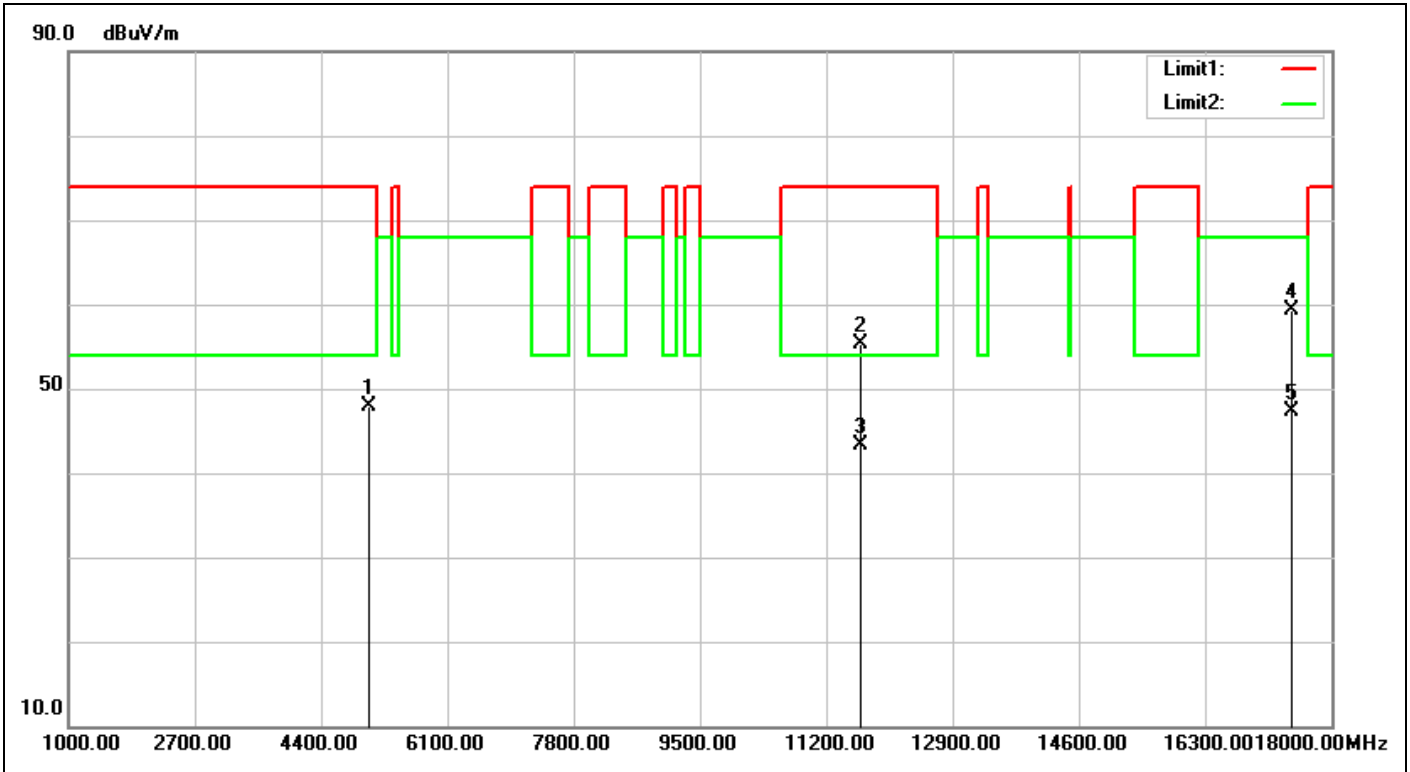
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:43:22
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4757.000	-1.71	50.00	48.29	74.00	-25.71	peak	100	9	
2	11570.000	6.07	52.76	58.83	74.00	-15.17	peak	100	303	
3	11570.000	6.07	40.83	46.90	54.00	-7.10	AVG	100	303	
4	17355.000	16.25	42.22	58.47	68.00	-9.53	peak			
5	17355.000	16.25	30.25	46.50	68.00	-21.50	AVG			



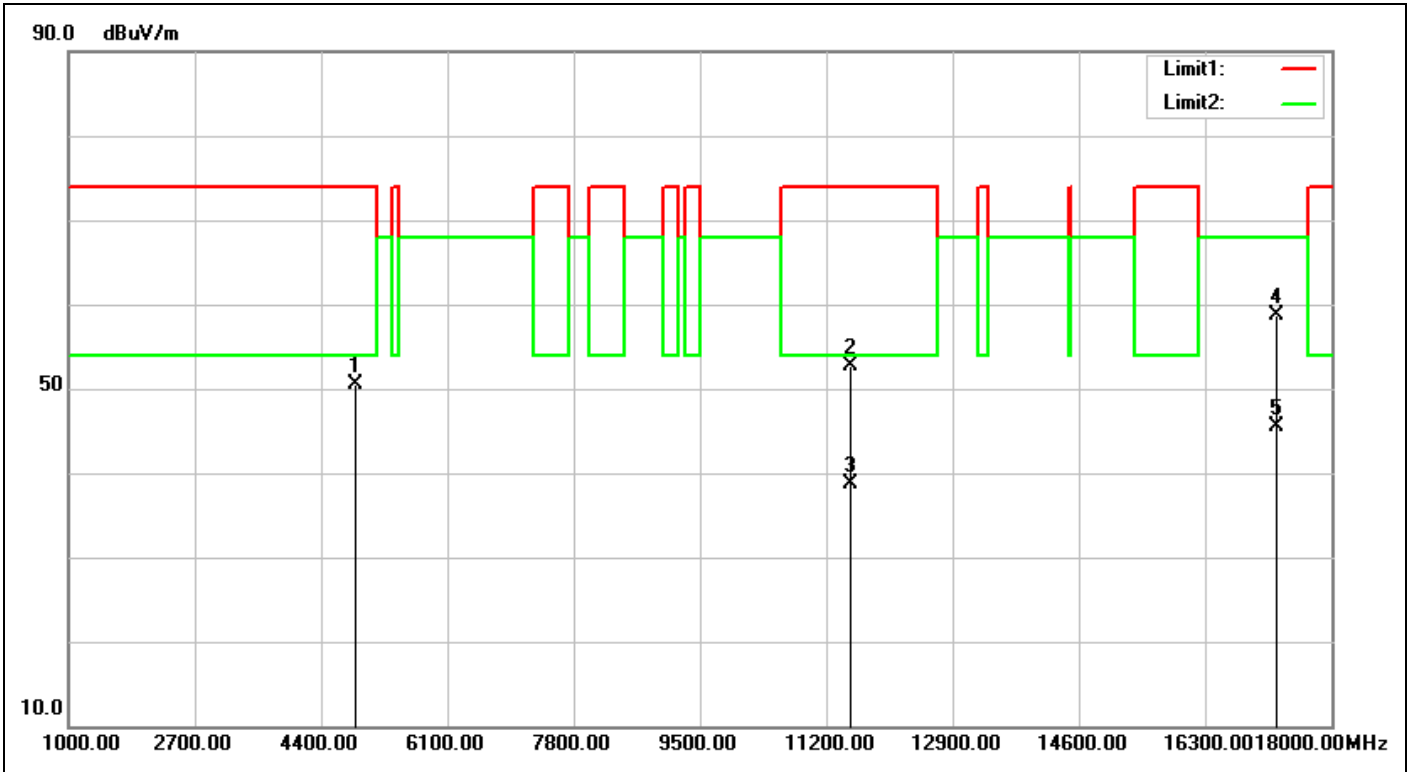
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/26 09:45:43
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5046.000	-1.19	49.94	48.75	74.00	-25.25	peak	100	360	
2	11650.000	6.37	49.06	55.43	74.00	-18.57	peak			
3	11650.000	6.37	37.13	43.50	54.00	-10.50	AVG			
4	17475.000	16.11	43.09	59.20	68.00	-8.80	peak			
5	17475.000	16.11	31.09	47.20	68.00	-20.80	AVG			



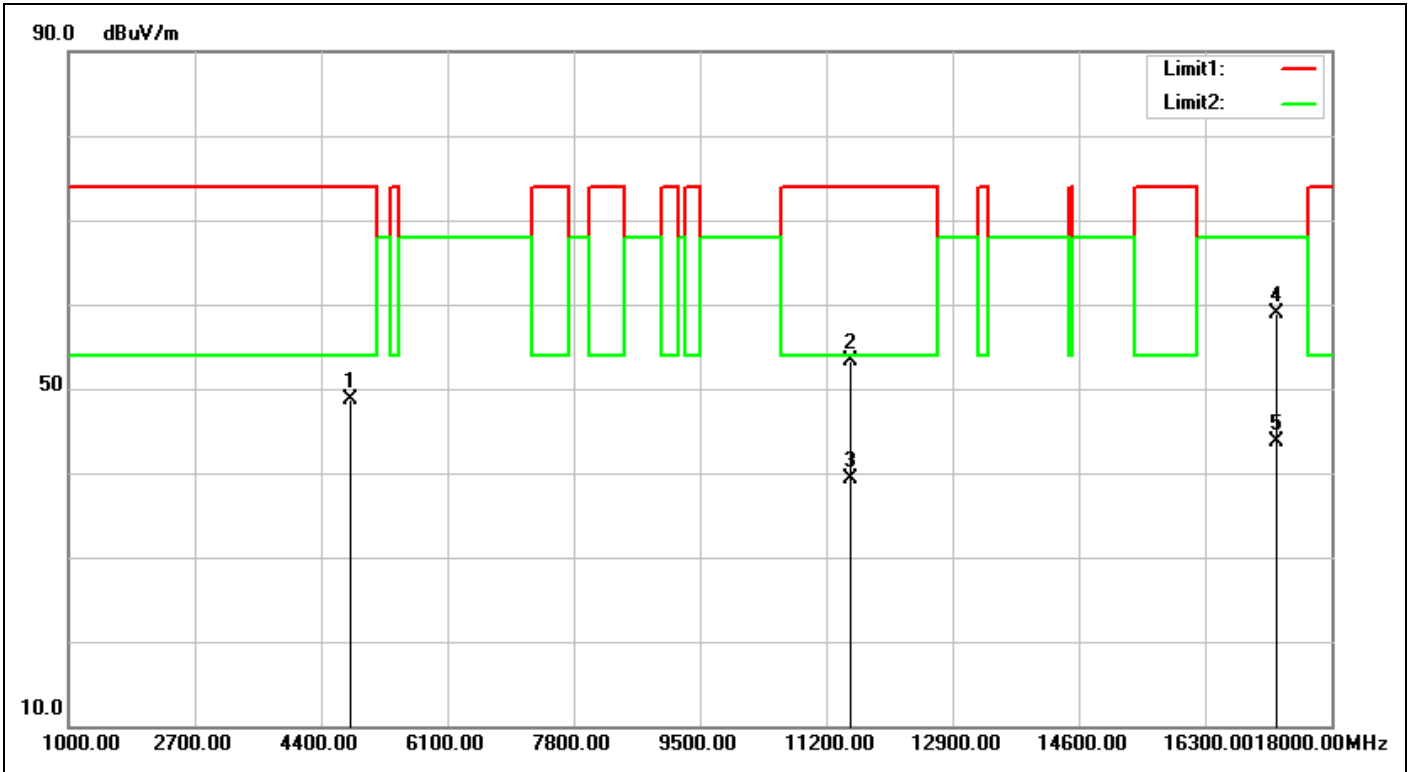
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/26 09:46:46
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22(°C)/60%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5046.000	-1.19	49.06	47.87	74.00	-26.13	peak	100	114	
2	11650.000	6.37	48.95	55.32	74.00	-18.68	peak			
3	11650.000	6.37	37.03	43.40	54.00	-10.60	AVG			
4	17475.000	16.11	43.13	59.24	68.00	-8.76	peak			
5	17475.000	16.11	31.19	47.30	68.00	-20.70	AVG			



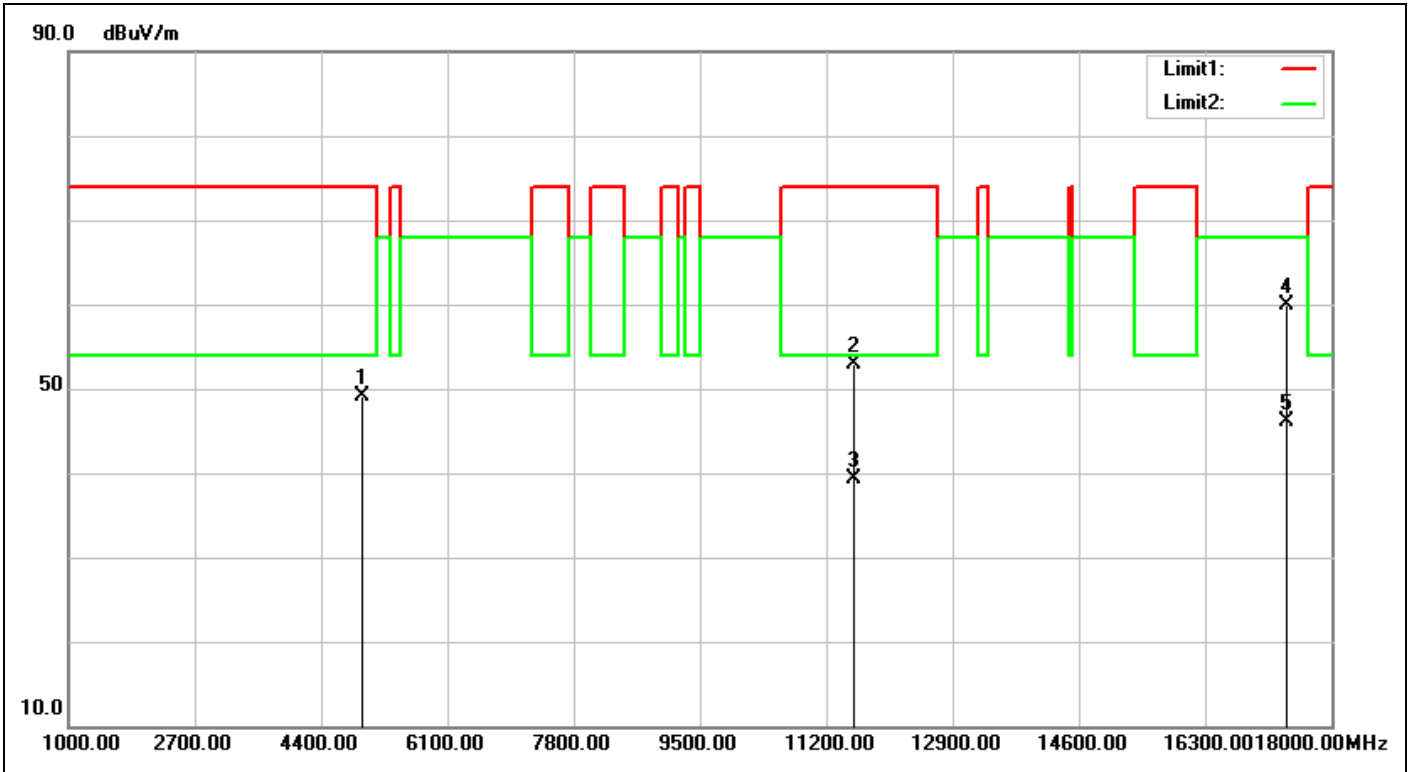
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/31 09:41:00
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4859.000	-1.60	52.04	50.44	74.00	-23.56	peak	100	80	
2	11510.000	5.84	46.84	52.68	74.00	-21.32	peak			
3	11510.000	5.84	32.86	38.70	54.00	-15.30	AVG			
4	17265.000	16.36	42.34	58.70	68.00	-9.30	peak			
5	17265.000	16.36	29.14	45.50	68.00	-22.50	AVG			



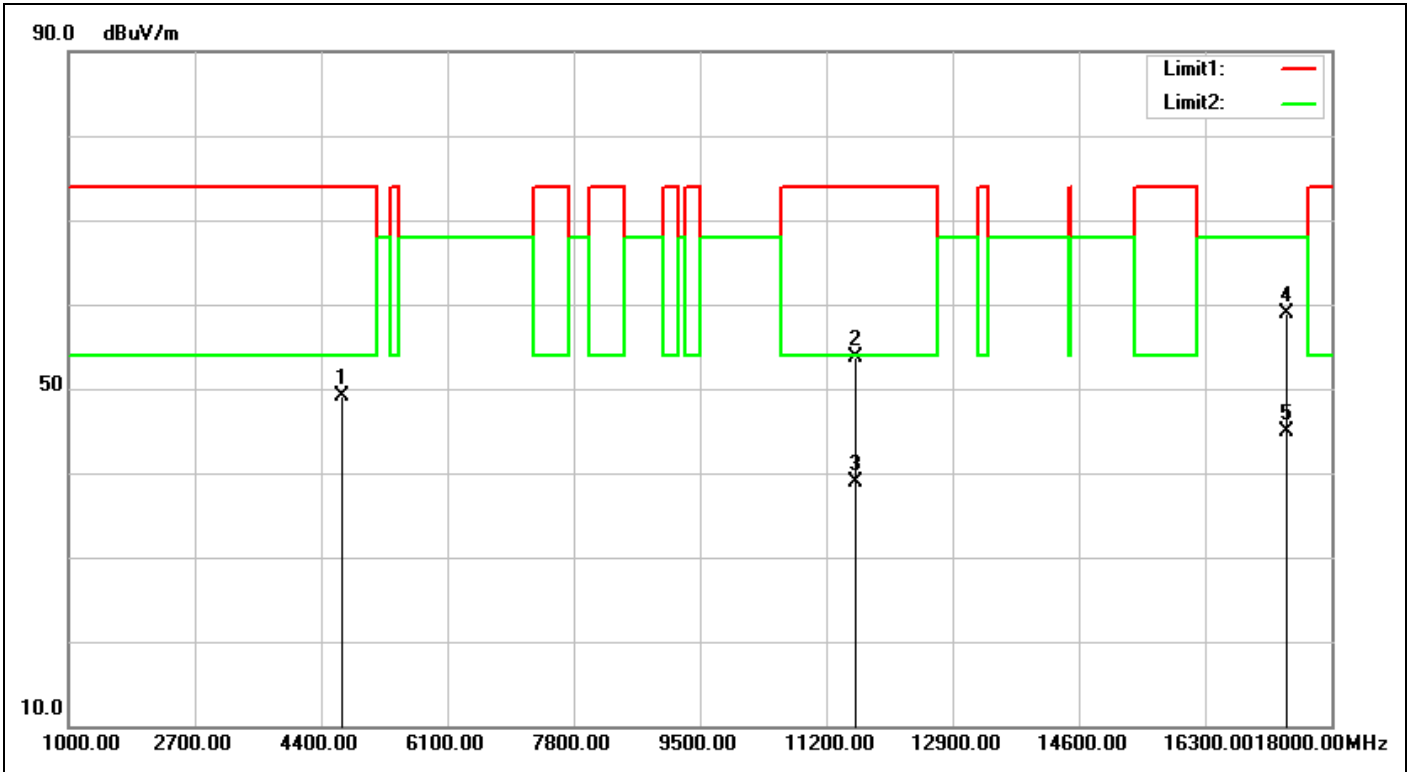
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/31 09:42:03
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5755-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4791.000	-1.66	50.27	48.61	74.00	-25.39	peak	100	12	
2	11510.000	5.84	47.51	53.35	74.00	-20.65	peak			
3	11510.000	5.84	33.56	39.40	54.00	-14.60	AVG			
4	17265.000	16.36	42.50	58.86	68.00	-9.14	peak			
5	17265.000	16.36	27.44	43.80	68.00	-24.20	AVG			



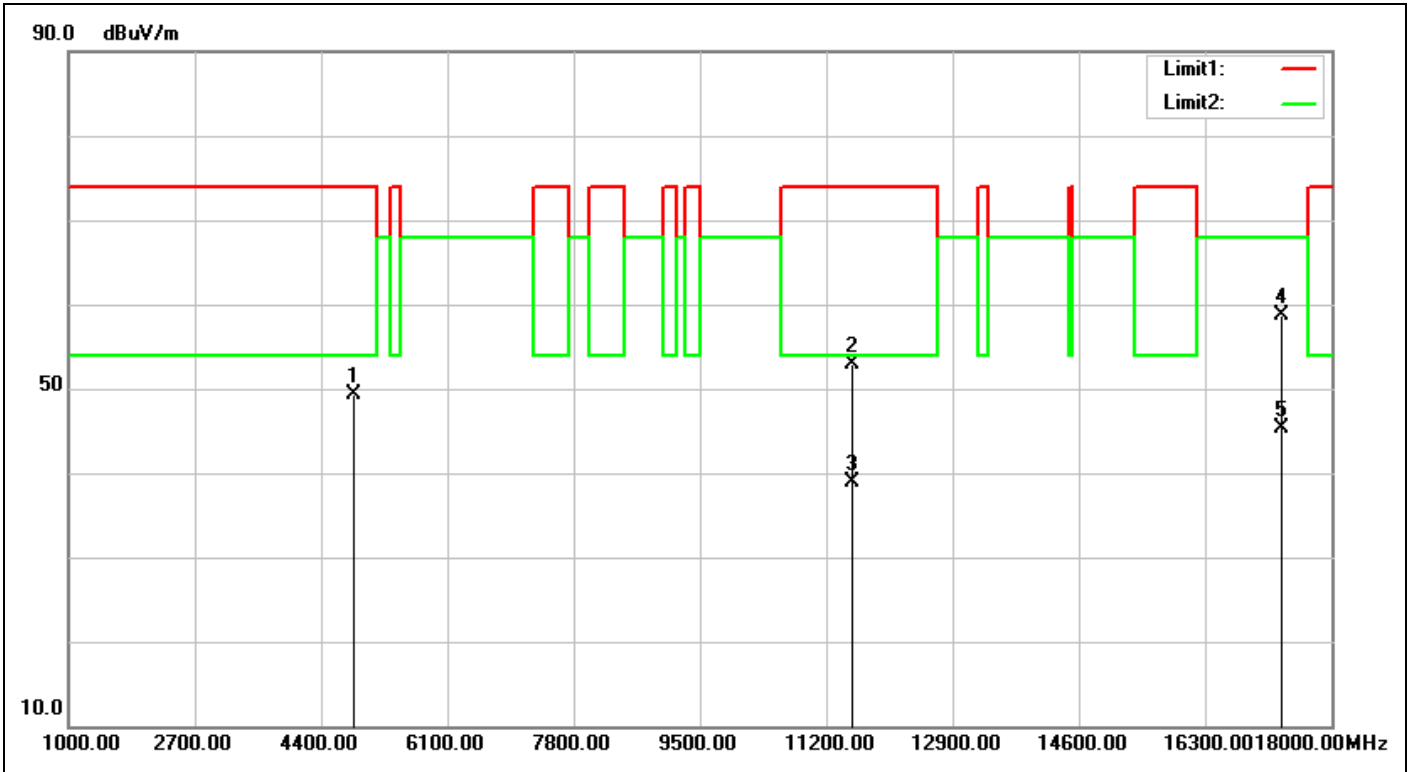
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/31 09:50:00
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4944.000	-1.50	50.52	49.02	74.00	-24.98	peak	100	185	
2	11590.000	6.15	46.69	52.84	74.00	-21.16	peak			
3	11590.000	6.15	33.25	39.40	54.00	-14.60	AVG			
4	17385.000	16.22	43.69	59.91	68.00	-8.09	peak			
5	17385.000	16.22	29.98	46.20	68.00	-21.80	AVG			



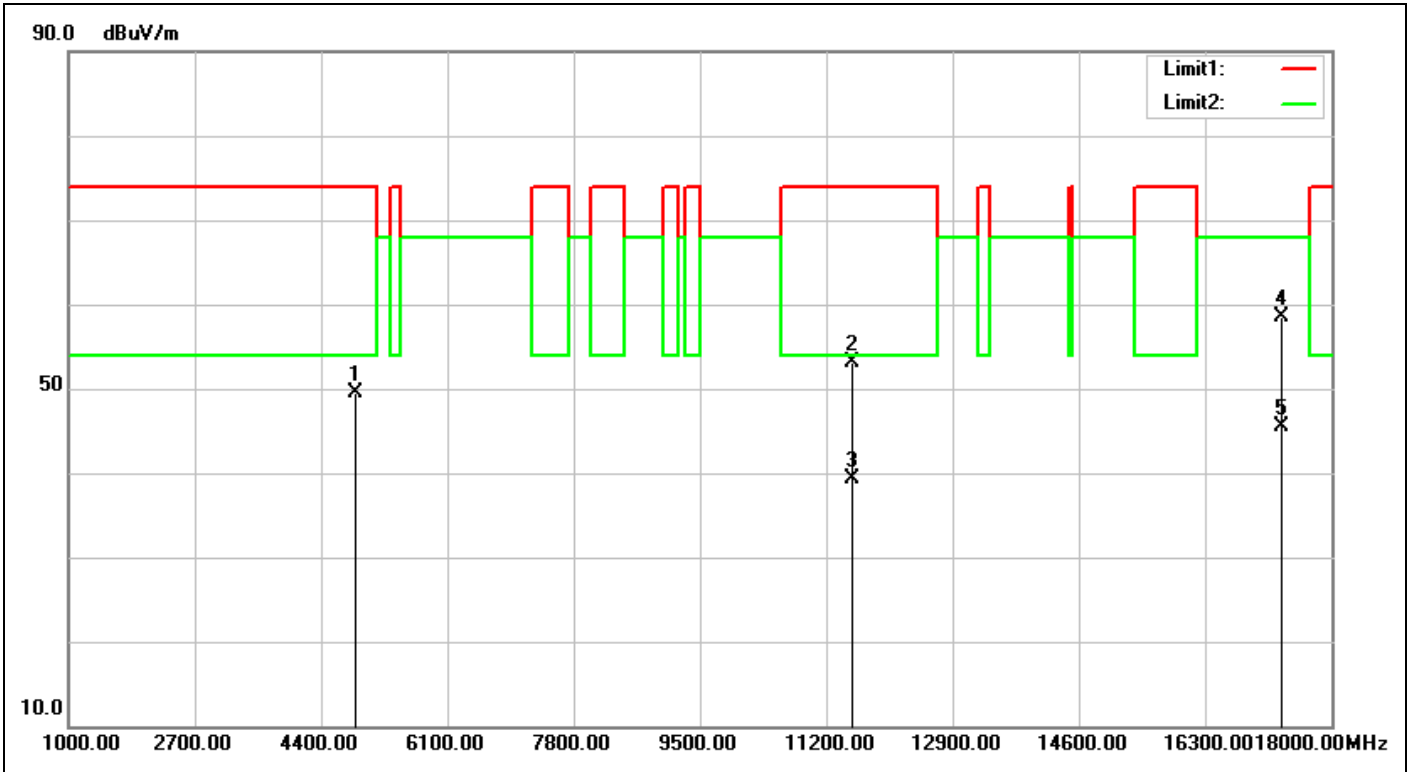
Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/31 09:51:03
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A40-5795-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4672.000	-1.80	50.84	49.04	74.00	-24.96	peak	100	133	
2	11590.000	6.15	47.60	53.75	74.00	-20.25	peak			
3	11590.000	6.15	32.75	38.90	54.00	-15.10	AVG			
4	17385.000	16.22	42.74	58.96	68.00	-9.04	peak			
5	17385.000	16.22	28.78	45.00	68.00	-23.00	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/8/31 09:53:38
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-1.61	50.86	49.25	74.00	-24.75	peak	100	35	
2	11550.000	5.99	46.90	52.89	74.00	-21.11	peak			
3	11550.000	5.99	32.91	38.90	54.00	-15.10	AVG			
4	17325.000	16.29	42.36	58.65	68.00	-9.35	peak			
5	17325.000	16.29	29.01	45.30	68.00	-22.70	AVG			



Service No.:	114054306	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/8/31 09:54:41
Applicant:	TUV SZ(Lenovo)	Test Rating:	AC 110V/60Hz
Product:	ThinkPad Stack Mobile Projector	Temp.(°C)/Hum.(%):	22.2(°C)/59%
Model No.:	M123	Test Engineer:	George Yang
Test Mode:	A80-5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4859.000	-1.60	51.07	49.47	74.00	-24.53	peak	100	83	
2	11550.000	5.99	47.14	53.13	74.00	-20.87	peak			
3	11550.000	5.99	33.31	39.30	54.00	-14.70	AVG			
4	17325.000	16.29	42.25	58.54	68.00	-9.46	peak			
5	17325.000	16.29	29.21	45.50	68.00	-22.50	AVG			