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802.11ac (VHT20)

EUT Test Condition		Measurement Detail	
Channel	Channel 36	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5150	56.02	10.16	66.18	74	-7.82	Peak
@	5180	101.32	10.11	111.43	-	-	Peak
-	5150	43.14	10.16	53.3	54	-0.7	Average
@	5180	92.6	10.11	102.71	-	-	Average
#	10360	36.61	12.16	48.77	68.2	-19.43	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5149.4	54.28	10.16	64.44	74	-9.56	Peak
@	5180	100.43	10.11	110.54	-	-	Peak
-	5150	42.97	10.16	53.13	54	-0.87	Average
@	5180	92.25	10.11	102.36	-	-	Average
#	10360	39.9	12.16	52.06	68.2	-16.14	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



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EUT Test Condition		Measurement Detail	
Channel	Channel 44	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5073.5	43.17	9.92	53.09	74	-20.91	Peak
@	5220	101.67	9.9	111.57	-	-	Peak
-	5148.5	31.81	10.16	41.97	54	-12.03	Average
@	5220	93.7	9.9	103.6	-	-	Average
#	10440	35.1	12.46	47.56	68.2	-20.64	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5095.7	43.57	10.02	53.59	74	-20.41	Peak
@	5220	101.34	9.9	111.24	-	-	Peak
-	5147.3	31.85	10.15	42	54	-12	Average
@	5220	93.22	9.9	103.12	-	-	Average
#	10440	40.56	12.46	53.02	68.2	-15.18	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
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EUT Test Condition		Measurement Detail	
Channel	Channel 48	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5137.7	42.96	10.14	53.1	74	-20.9	Peak
@	5240	100.5	9.7	110.2	-	-	Peak
-	5133.8	31.55	10.13	41.68	54	-12.32	Average
@	5240	91.8	9.7	101.5	-	-	Average
#	10480	32.86	12.6	45.46	68.2	-22.74	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5138.3	42.92	10.14	53.06	74	-20.94	Peak
@	5240	99.19	9.7	108.89	-	-	Peak
-	5117.9	31.53	10.09	41.62	54	-12.38	Average
@	5240	91.09	9.7	100.79	-	-	Average
#	10480	36.65	12.6	49.25	68.2	-18.95	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 52	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5260	102.13	9.6	111.73	-	-	Peak
-	5432.7	41.55	10.06	51.61	74	-22.39	Peak
@	5260	92.97	9.6	102.57	-	-	Average
-	5355.9	30.3	9.7	40	54	-14	Average
#	10520	33.76	12.66	46.42	68.2	-21.78	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5260	100.66	9.6	110.26	-	-	Peak
-	5357.4	42.82	9.7	52.52	74	-21.48	Peak
@	5260	92.2	9.6	101.8	-	-	Average
-	5356.2	30.32	9.7	40.02	54	-13.98	Average
#	10520	39.18	12.66	51.84	68.2	-16.36	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 60	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5300	100.91	9.53	110.44	-	-	Peak
-	5350	53.26	9.66	62.92	74	-11.08	Peak
@	5300	93.64	9.53	103.17	-	-	Average
-	5351.4	34.04	9.67	43.71	54	-10.29	Average
*	10600	34.8	12.55	47.35	74	-26.65	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5300	100.59	9.53	110.12	-	-	Peak
-	5350	48.53	9.66	58.19	74	-15.81	Peak
@	5300	92.43	9.53	101.96	-	-	Average
-	5350.5	35.09	9.66	44.75	54	-9.25	Average
*	10600	37.82	12.55	50.37	74	-23.63	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 64	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5320	100.53	9.58	110.11	-	-	Peak
-	5363.4	58.25	9.74	67.99	74	-6.01	Peak
@	5320	93.31	9.58	102.89	-	-	Average
-	5350.2	42.76	9.66	52.42	54	-1.58	Average
*	10640	32.84	12.61	45.45	74	-28.55	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5320	100.39	9.58	109.97	-	-	Peak
-	5350.2	48.87	9.66	58.53	74	-15.47	Peak
@	5320	92.36	9.58	101.94	-	-	Average
-	5350.5	41.22	9.66	50.88	54	-3.12	Average
*	10640	38.97	12.61	51.58	74	-22.42	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 100	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5458.1	40.21	10.12	50.33	54	-3.67	Average
-	5458.1	50.9	10.12	61.02	74	-12.98	Peak
#	5468.95	51.82	10.15	61.97	68.2	-6.23	Peak
@	5500	93.03	10.22	103.25	-	-	Average
@	5500	103.32	10.22	113.54	-	-	Peak
*	11000	37.06	13.08	50.14	74	-23.86	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5457.4	31.21	10.11	41.32	54	-12.68	Average
-	5457.4	42.49	10.11	52.6	74	-21.4	Peak
#	5469.65	45.53	10.15	55.68	68.2	-12.52	Peak
@	5500	85.69	10.22	95.91	-	-	Average
@	5500	95.48	10.22	105.7	-	-	Peak
-	11000	30.92	13.08	44	54	-10	Average
-	11000	41.28	13.08	54.36	74	-19.64	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 116	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5417.15	30.29	10.02	40.31	54	-13.69	Average
-	5417.15	41.25	10.02	51.27	74	-22.73	Peak
#	5463.35	41.49	10.13	51.62	68.2	-16.58	Peak
@	5580	95.81	10.3	106.11	-	-	Average
@	5580	105.44	10.3	115.74	-	-	Peak
#	5744.75	43.16	10.72	53.88	68.2	-14.32	Peak
*	11160	40.18	13.02	53.2	74	-20.8	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5442.7	30.52	10.09	40.61	54	-13.39	Average
-	5442.7	41.41	10.09	51.5	74	-22.5	Peak
#	5460.9	40.18	10.12	50.3	68.2	-17.9	Peak
@	5580	83.77	10.3	94.07	-	-	Average
@	5580	93.53	10.3	103.83	-	-	Peak
#	5736	41.66	10.66	52.32	68.2	-15.88	Peak
-	11160	36.74	13.02	49.76	54	-4.24	Average
-	11160	46.3	13.02	59.32	74	-14.68	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 140	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5700	93.45	10.4	103.85	-	-	Average
@	5700	103.06	10.4	113.46	-	-	Peak
-	5725	56.62	10.57	67.19	68.2	-1.01	Peak
*	11400	36.89	13.3	50.19	74	-23.81	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5700	80.21	10.4	90.61	-	-	Average
@	5700	90.28	10.4	100.68	-	-	Peak
#	5734.95	45.49	10.64	56.13	68.2	-12.07	Peak
*	11400	40.15	13.3	53.45	74	-20.55	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
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EUT Test Condition		Measurement Detail	
Channel	Channel 144	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11440	36.21	13.4	49.61	74	-24.39	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11440	39.25	13.4	52.65	74	-21.35	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 149	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5645.5	44.01	10.35	54.36	68.2	-13.84	Peak
-	5723.5	69.86	10.56	80.42	118.78	-38.36	Peak
@	5745	93.95	10.72	104.67	-	-	Average
@	5745	104.31	10.72	115.03	-	-	Peak
*	11490	35.34	13.54	48.88	74	-25.12	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5625	41.94	10.34	52.28	68.2	-15.92	Peak
-	5725	61.63	10.57	72.2	122.2	-50	Peak
@	5745	80.25	10.72	90.97	-	-	Average
@	5745	91.5	10.72	102.22	-	-	Peak
*	11490	36.64	13.54	50.18	74	-23.82	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 157	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5650	42.8	10.35	53.15	68.2	-15.05	Peak
-	5723.5	53.99	10.56	64.55	118.78	-54.23	Peak
@	5785	94.11	10.78	104.89	-	-	Average
@	5785	104.98	10.78	115.76	-	-	Peak
-	5860.5	51.57	11.11	62.68	109.26	-46.58	Peak
#	5940.5	42.94	11.41	54.35	68.2	-13.85	Peak
*	11570	35.15	13.33	48.48	74	-25.52	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5546.5	42.51	10.26	52.77	68.2	-15.43	Peak
-	5723.5	43.38	10.56	53.94	118.78	-64.84	Peak
@	5785	82.96	10.78	93.74	-	-	Average
@	5785	94.36	10.78	105.14	-	-	Peak
-	5857	43.51	11.08	54.59	110.24	-55.65	Peak
#	5945	41.68	11.41	53.09	68.2	-15.11	Peak
*	11570	34.83	13.33	48.16	74	-25.84	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 165	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5825	91.56	10.91	102.47	-	-	Average
@	5825	102.87	10.91	113.78	-	-	Peak
-	5850	73.35	11.04	84.39	122.2	-37.81	Peak
#	5973.5	44.52	11.38	55.9	68.2	-12.3	Peak
*	11650	37.3	13.09	50.39	74	-23.61	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5825	84.63	10.91	95.54	-	-	Average
@	5825	95.14	10.91	106.05	-	-	Peak
-	5850	66.49	11.04	77.53	122.2	-44.67	Peak
#	5928	42.11	11.4	53.51	68.2	-14.69	Peak
*	11650	37.06	13.09	50.15	74	-23.85	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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802.11ac (VHT40)

EUT Test Condition		Measurement Detail	
Channel	Channel 38	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5144.6	52.85	10.15	63	74	-11	Peak
@	5190	93.97	10.1	104.07	-	-	Peak
-	5150	40.25	10.16	50.41	54	-3.59	Average
@	5190	85.41	10.1	95.51	-	-	Average
#	10380	32.6	12.24	44.84	68.2	-23.36	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5146.7	56.54	10.15	66.69	74	-7.31	Peak
@	5190	92.07	10.1	102.17	-	-	Peak
-	5150	41.01	10.16	51.17	54	-2.83	Average
@	5190	84.02	10.1	94.12	-	-	Average
#	10380	34.9	12.24	47.14	68.2	-21.06	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
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EUT Test Condition		Measurement Detail	
Channel	Channel 46	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5143.1	53.17	10.15	63.32	74	-10.68	Peak
@	5230	99.28	9.8	109.08	-	-	Peak
-	5149.4	36.64	10.16	46.8	54	-7.2	Average
@	5230	90.1	9.8	99.9	-	-	Average
#	10460	32.54	12.53	45.07	68.2	-23.13	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5129.9	50.78	10.11	60.89	74	-13.11	Peak
@	5230	98.62	9.8	108.42	-	-	Peak
-	5150	36.23	10.16	46.39	54	-7.61	Average
@	5230	89.29	9.8	99.09	-	-	Average
#	10460	34.77	12.53	47.3	68.2	-20.9	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 54	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5270	98.8	9.58	108.38	-	-	Peak
-	5370	55.86	9.78	65.64	74	-8.36	Peak
@	5270	89.8	9.58	99.38	-	-	Average
-	5350.5	41.2	9.66	50.86	54	-3.14	Average
#	10540	33.46	12.62	46.08	68.2	-22.12	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5270	98.21	9.58	107.79	-	-	Peak
-	5350.5	51.84	9.66	61.5	74	-12.5	Peak
@	5270	89.42	9.58	99	-	-	Average
-	5350.8	43.16	9.66	52.82	54	-1.18	Average
#	10540	35.37	12.62	47.99	68.2	-20.21	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 62	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5310	96.26	9.56	105.82	-	-	Peak
-	5362.8	52.51	9.74	62.25	74	-11.75	Peak
@	5310	85.64	9.56	95.2	-	-	Average
-	5352.6	40.33	9.68	50.01	54	-3.99	Average
*	10620	31.86	12.57	44.43	74	-29.57	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5310	94.61	9.56	104.17	-	-	Peak
-	5360.1	56.67	9.71	66.38	74	-7.62	Peak
@	5310	84.82	9.56	94.38	-	-	Average
-	5351.1	38.06	9.67	47.73	54	-6.27	Average
*	10620	37.44	12.57	50.01	74	-23.99	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 102	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5453.2	32.47	10.11	42.58	54	-11.42	Average
-	5453.2	44.43	10.11	54.54	74	-19.46	Peak
#	5466.15	52.03	10.13	62.16	68.2	-6.04	Peak
@	5510	87.92	10.23	98.15	-	-	Average
@	5510	97.07	10.23	107.3	-	-	Peak
*	11020	34.91	13.09	48	74	-26	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5445.5	29.05	10.09	39.14	54	-14.86	Average
-	5445.5	41.36	10.09	51.45	74	-22.55	Peak
#	5468.6	43.8	10.15	53.95	68.2	-14.25	Peak
@	5510	76.24	10.23	86.47	-	-	Average
@	5510	85.96	10.23	96.19	-	-	Peak
*	11020	38.65	13.09	51.74	74	-22.26	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 110	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5435.7	29.25	10.06	39.31	54	-14.69	Average
-	5435.7	49.47	10.06	59.53	74	-14.47	Peak
#	5465.1	44.34	10.13	54.47	68.2	-13.73	Peak
@	5550	92.82	10.27	103.09	-	-	Average
@	5550	100.31	10.27	110.58	-	-	Peak
#	5725.15	44.33	10.57	54.9	68.2	-13.3	Peak
*	11100	35.64	13.16	48.8	74	-25.2	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5434.65	29.12	10.06	39.18	54	-14.82	Average
-	5434.65	42.83	10.06	52.89	74	-21.11	Peak
#	5462.65	40.93	10.13	51.06	68.2	-17.14	Peak
@	5550	82.11	10.27	92.38	-	-	Average
@	5550	89.77	10.27	100.04	-	-	Peak
#	5748.25	41.25	10.74	51.99	68.2	-16.21	Peak
*	11100	40.3	13.16	53.46	74	-20.54	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 134	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5670	91.98	10.38	102.36	-	-	Average
@	5670	101.04	10.38	111.42	-	-	Peak
#	5734.95	57.15	10.64	67.79	68.2	-0.41	Peak
*	11340	36.36	13.13	49.49	74	-24.51	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5670	76.54	10.38	86.92	-	-	Average
@	5670	85.05	10.38	95.43	-	-	Peak
#	5725.15	45.89	10.57	56.46	68.2	-11.74	Peak
*	11340	40.82	13.13	53.95	74	-20.05	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 142	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11420	35.33	13.35	48.68	74	-25.32	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11420	36.17	13.35	49.52	74	-24.48	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 151	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5640.5	53.93	10.34	64.27	68.2	-3.93	Peak
-	5720.5	77.78	10.54	88.32	111.94	-23.62	Peak
@	5755	90.32	10.75	101.07	-	-	Average
@	5755	101.6	10.75	112.35	-	-	Peak
*	11510	35.58	13.54	49.12	74	-24.88	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5545	42.74	10.26	53	68.2	-15.2	Peak
-	5723.5	62.35	10.56	72.91	118.78	-45.87	Peak
@	5755	79.33	10.75	90.08	-	-	Average
@	5755	87.47	10.75	98.22	-	-	Peak
*	11510	34.99	13.54	48.53	74	-25.47	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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Doc No: 17-EM-F0878 / 5.0



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EUT Test Condition		Measurement Detail	
Channel	Channel 159	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5597.5	51.57	10.31	61.88	68.2	-6.32	Peak
-	5724	57.41	10.56	67.97	119.92	-51.95	Peak
@	5795	100.74	10.79	111.53	-	-	Peak
@	5795	90.23	10.79	101.02	-	-	Average
-	5851	58.99	11.05	70.04	119.92	-49.88	Peak
#	5943.5	41.36	11.41	52.77	68.2	-15.43	Peak
*	11590	35.15	13.25	48.4	74	-25.6	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5606.5	42.12	10.32	52.44	68.2	-15.76	Peak
-	5725	43.91	10.57	54.48	122.2	-67.72	Peak
@	5795	81.89	10.79	92.68	-	-	Average
@	5795	89.27	10.79	100.06	-	-	Peak
-	5852.5	51.61	11.05	62.66	116.5	-53.84	Peak
#	5926	42.93	11.39	54.32	68.2	-13.88	Peak
*	11590	35.78	13.25	49.03	74	-24.97	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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802.11ac (VHT80)

EUT Test Condition		Measurement Detail	
Channel	Channel 42	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5146.1	51.48	10.15	61.63	74	-12.37	Peak
@	5210	88.73	9.99	98.72	-	-	Peak
-	5144.3	40.28	10.15	50.43	54	-3.57	Average
@	5210	78.43	9.99	88.42	-	-	Average
#	10420	31.41	12.39	43.8	68.2	-24.4	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5146.1	49.57	10.15	59.72	74	-14.28	Peak
@	5210	86.05	9.99	96.04	-	-	Peak
-	5144.9	38.41	10.15	48.56	54	-5.44	Average
@	5210	76.74	9.99	86.73	-	-	Average
#	10420	33.66	12.39	46.05	68.2	-22.15	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 58	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5290	92.01	9.55	101.56	-	-	Peak
-	5356.2	58.52	9.7	68.22	74	-5.78	Peak
@	5290	81.16	9.55	90.71	-	-	Average
-	5349.9	43.06	9.66	52.72	54	-1.28	Peak
#	10580	32.21	12.57	44.78	68.2	-23.42	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
@	5290	91.17	9.55	100.72	-	-	Peak
-	5356.2	54.93	9.7	64.63	74	-9.37	Peak
@	5290	80.86	9.55	90.41	-	-	Average
-	5352.6	43.5	9.68	53.18	54	-0.82	Average
#	10580	36.17	12.57	48.74	68.2	-19.46	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 106	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5452.85	43.53	10.11	53.64	54	-0.36	Average
-	5452.85	55.43	10.11	65.54	74	-8.46	Peak
#	5466.85	56.71	10.14	66.85	68.2	-1.35	Peak
@	5530	84.62	10.24	94.86	-	-	Average
@	5530	94.94	10.24	105.18	-	-	Peak
*	11060	35.46	13.13	48.59	74	-25.41	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5454.25	39.2	10.11	49.31	54	-4.69	Average
-	5454.25	48.64	10.11	58.75	74	-15.25	Peak
#	5462.3	50.37	10.12	60.49	68.2	-7.71	Peak
@	5530	76.14	10.24	86.38	-	-	Average
@	5530	85.3	10.24	95.54	-	-	Peak
*	11060	36.23	13.13	49.36	74	-24.64	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 122	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5457.75	37.88	10.12	48	54	-6	Average
-	5457.75	48.13	10.12	58.25	74	-15.75	Peak
#	5469.3	50.7	10.15	60.85	68.2	-7.35	Peak
@	5610	88.56	10.32	98.88	-	-	Average
@	5610	98.37	10.32	108.69	-	-	Peak
#	5727.95	54.34	10.6	64.94	68.2	-3.26	Peak
*	11220	37.47	12.95	50.42	74	-23.58	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	5456.7	30.57	10.11	40.68	54	-13.32	Average
-	5456.7	43.68	10.11	53.79	74	-20.21	Peak
#	5461.95	45.26	10.12	55.38	68.2	-12.82	Peak
@	5610	74.54	10.32	84.86	-	-	Average
@	5610	85.05	10.32	95.37	-	-	Peak
#	5729.7	45.14	10.61	55.75	68.2	-12.45	Peak
*	11220	39.39	12.95	52.34	74	-21.66	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 138	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11380	35.53	13.23	48.76	74	-25.24	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
*	11380	37.37	13.23	50.6	74	-23.4	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. " * ": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

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EUT Test Condition		Measurement Detail	
Channel	Channel 155	Frequency Range	1 GHz ~ 40 GHz

Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5635	55.59	10.35	65.94	68.2	-2.26	Peak
-	5718	70.41	10.53	80.94	110.24	-29.3	Peak
@	5775	86.63	10.77	97.4	-	-	Average
@	5775	97.27	10.77	108.04	-	-	Peak
-	5850	69.78	11.04	80.82	122.2	-41.38	Peak
#	5930.5	49.77	11.4	61.17	68.2	-7.03	Peak
*	11550	34.15	13.39	47.54	74	-26.46	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
#	5647	43	10.35	53.35	68.2	-14.85	Peak
-	5723.5	57.18	10.56	67.74	118.78	-51.04	Peak
@	5775	75.42	10.77	86.19	-	-	Average
@	5775	86.8	10.77	97.57	-	-	Peak
-	5850.5	54.72	11.04	65.76	121.06	-55.3	Peak
#	5939.5	44.5	11.41	55.91	68.2	-12.29	Peak
*	11550	34.86	13.39	48.25	74	-25.75	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. "@": Fundamental Frequency.
5. "#": The radiated frequency is out of the restricted band.
6. "*": The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
7. The other emission levels were very low against the limit.

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9 kHz ~ 30 MHz Data

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

KDB 414788 D01 OATS and Chamber Correlation Justification

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

- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

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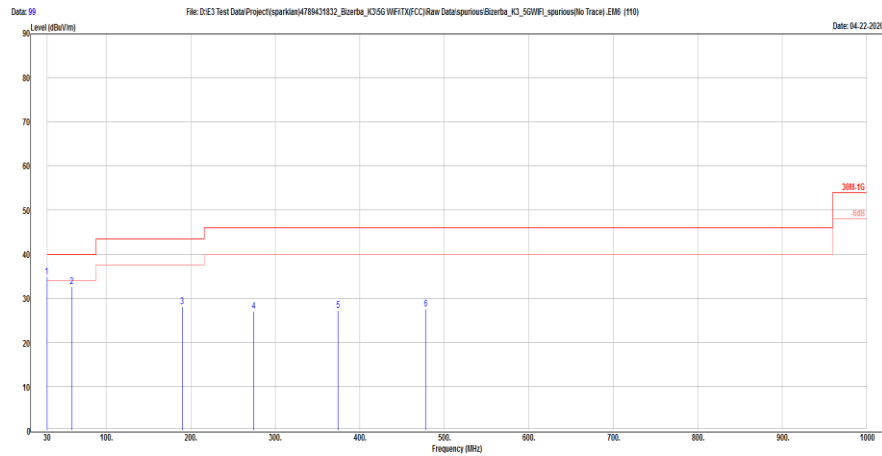
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30 MHz ~ 1 GHz Data

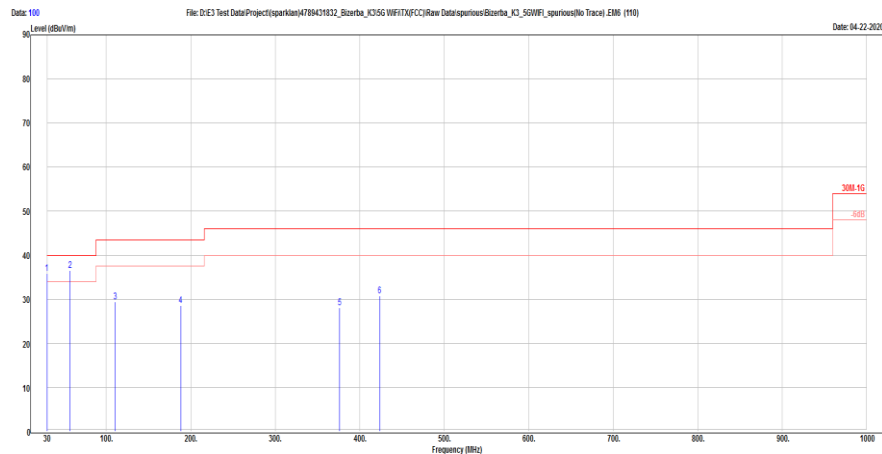
802.11ac (VHT80)

EUT Test Condition		Measurement Detail	
Channel	Channel 106	Frequency Range	30 MHz ~ 1 GHz

Horizontal



Vertical



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Antenna Polarity & Test Distance: Horizontal at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	30	50.87	-15.94	34.93	40	-5.07	Peak
-	59.1	48.07	-15.36	32.71	40	-7.29	Peak
-	190.05	44.35	-16.3	28.05	43.5	-15.45	Peak
-	274.44	41.51	-14.42	27.09	46	-18.91	Peak
-	374.35	38.95	-11.71	27.24	46	-18.76	Peak
-	478.14	36.63	-9.13	27.5	46	-18.5	Peak
Antenna Polarity & Test Distance: Vertical at 3 m							
Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
-	30	51.87	-15.94	35.93	40	-4.07	Peak
-	57.16	51.63	-15.1	36.53	40	-3.47	Peak
-	110.51	47.63	-18.15	29.48	43.5	-14.02	Peak
-	188.11	44.68	-16.11	28.57	43.5	-14.93	Peak
-	376.29	39.82	-11.69	28.13	46	-17.87	Peak
-	423.82	41.18	-10.46	30.72	46	-15.28	Peak

Remarks:

1. Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
2. Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
3. Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
4. The peak result complies with QP limit, QP result is deemed to comply with QP limit.
5. The other emission levels were very low against the limit.

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9.8. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note:

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

Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

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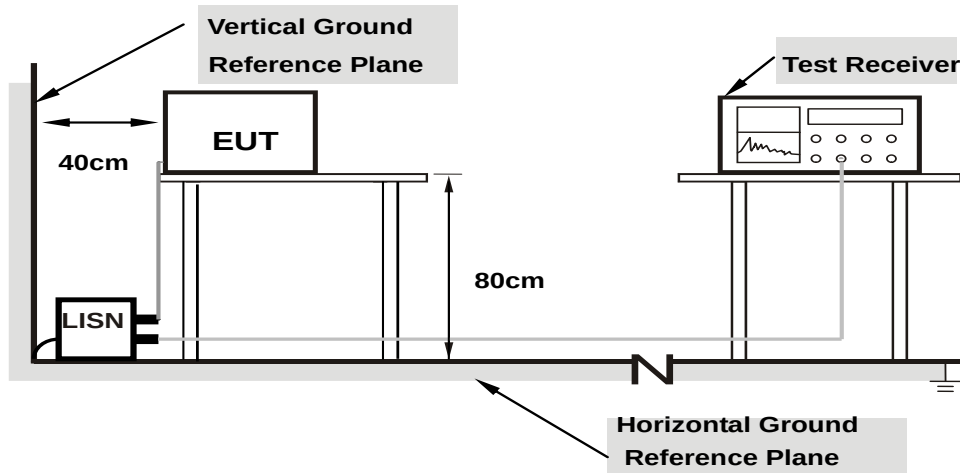
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Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the Setup Configurations.

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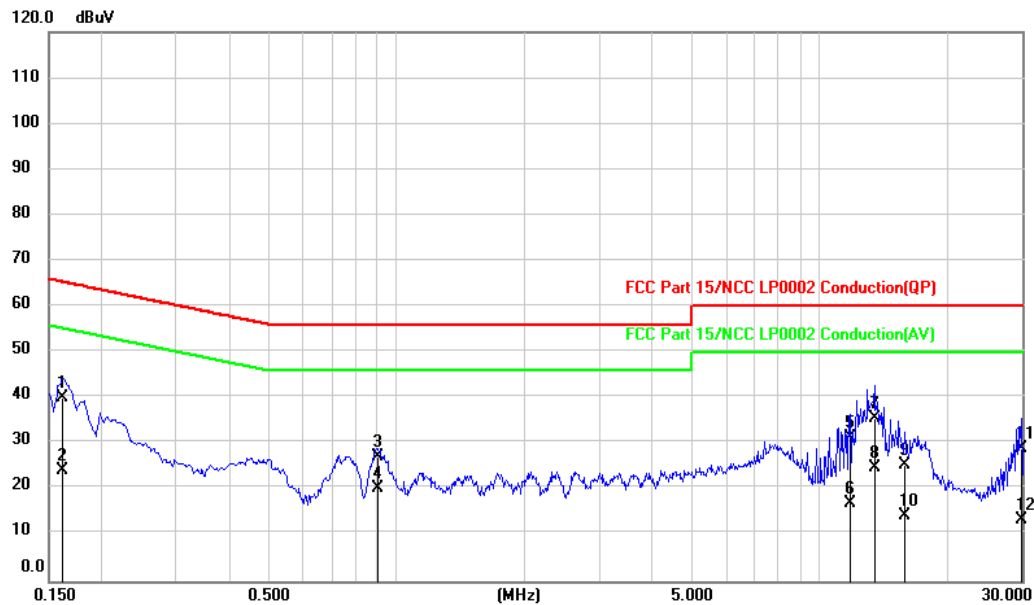


Test Data

802.11ac (VHT80)

EUT Test Condition		Measurement Detail	
Channel	Channel 106	Frequency Range	150 kHz ~ 30 MHz

Phase of Power : Line (L)



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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV)	(dBuV)	(dB)	
1	0.1612	20.46	19.47	39.93	65.40	-25.47	QP
2	0.1612	4.68	19.47	24.15	55.40	-31.25	AVG
3	0.9051	7.52	19.50	27.02	56.00	-28.98	QP
4	0.9051	0.87	19.50	20.37	46.00	-25.63	AVG
5	11.7432	11.55	19.70	31.25	60.00	-28.75	QP
6	11.7432	-2.68	19.70	17.02	50.00	-32.98	AVG
7	13.4312	15.88	19.71	35.59	60.00	-24.41	QP
8	13.4312	5.10	19.71	24.81	50.00	-25.19	AVG
9	15.8526	5.50	19.74	25.24	60.00	-34.76	QP
10	15.8526	-5.59	19.74	14.15	50.00	-35.85	AVG
11	29.8792	9.14	19.82	28.96	60.00	-31.04	QP
12	29.8792	-6.57	19.82	13.25	50.00	-36.75	AVG

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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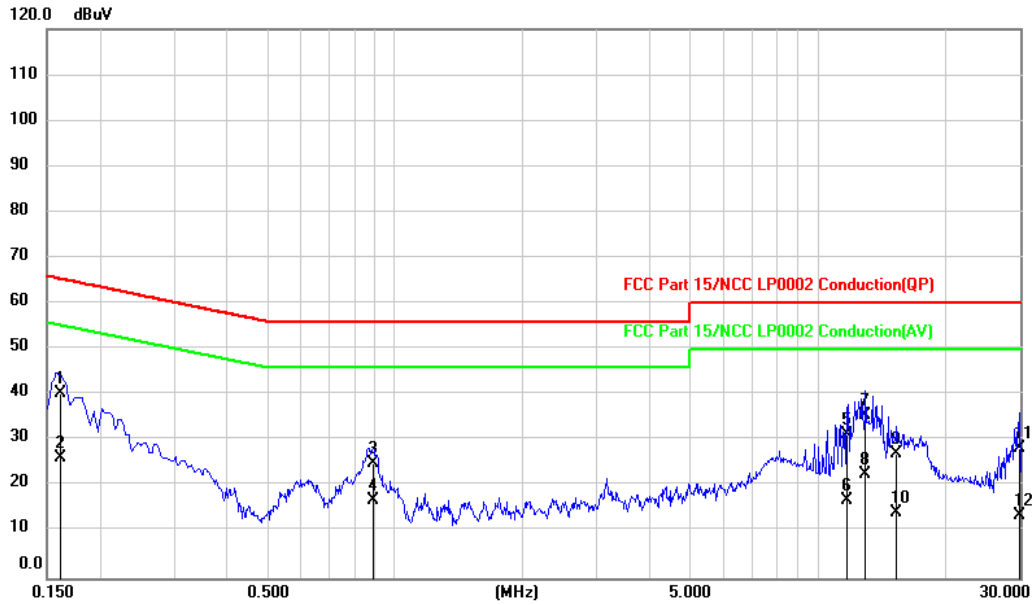
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Doc No: 17-EM-F0878 / 5.0



Phase of Power : Neutral (N)



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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	dB	(dBuV)	(dBuV)	(dB)	
1	0.1621	20.82	19.47	40.29	65.36	-25.07	QP
2	0.1621	6.80	19.47	26.27	55.36	-29.09	AVG
3	0.8865	5.56	19.50	25.06	56.00	-30.94	QP
4	0.8865	-2.51	19.50	16.99	46.00	-29.01	AVG
5	11.7408	11.57	19.74	31.31	60.00	-28.69	QP
6	11.7408	-2.70	19.74	17.04	50.00	-32.96	AVG
7	12.9536	15.72	19.75	35.47	60.00	-24.53	QP
8	12.9536	2.81	19.75	22.56	50.00	-27.44	AVG
9	15.3635	7.29	19.80	27.09	60.00	-32.91	QP
10	15.3635	-5.57	19.80	14.23	50.00	-35.77	AVG
11	29.8790	8.40	20.00	28.40	60.00	-31.60	QP
12	29.8790	-6.43	20.00	13.57	50.00	-36.43	AVG

Remarks:

1. Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB)
2. Margin(dB) = Result value (dBuV) - Limit value (dBuV)
3. Correction Factor(dB) = Insertion loss(dB) + Cable loss(dB)
4. The other emission levels were very low against the limit.

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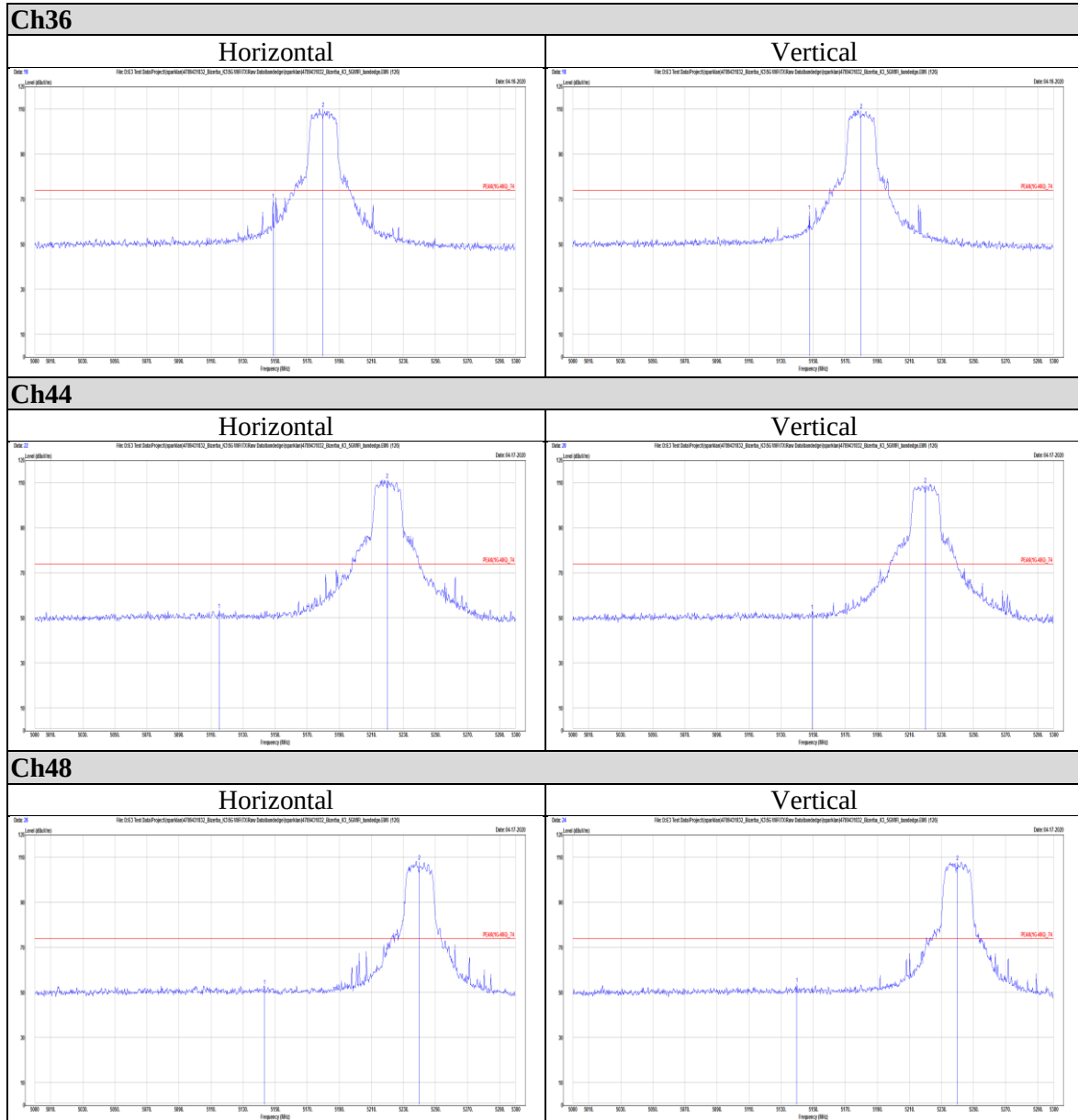
Doc No: 17-EM-F0878 / 5.0



Appendix I Radiated Band Edge and OOB Measurement

802.11a

Peak



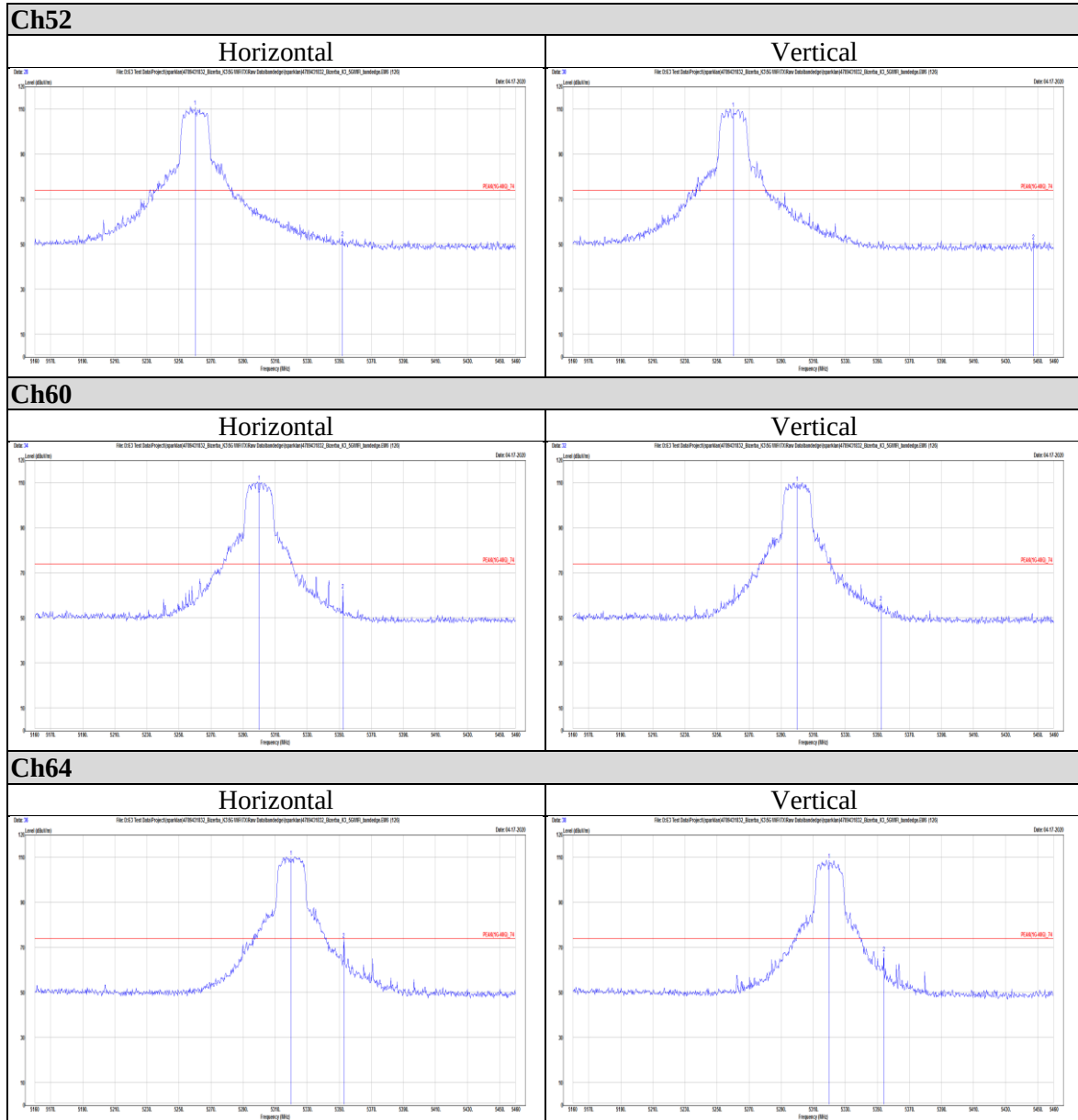
Underwriters Laboratories Taiwan Co., Ltd.

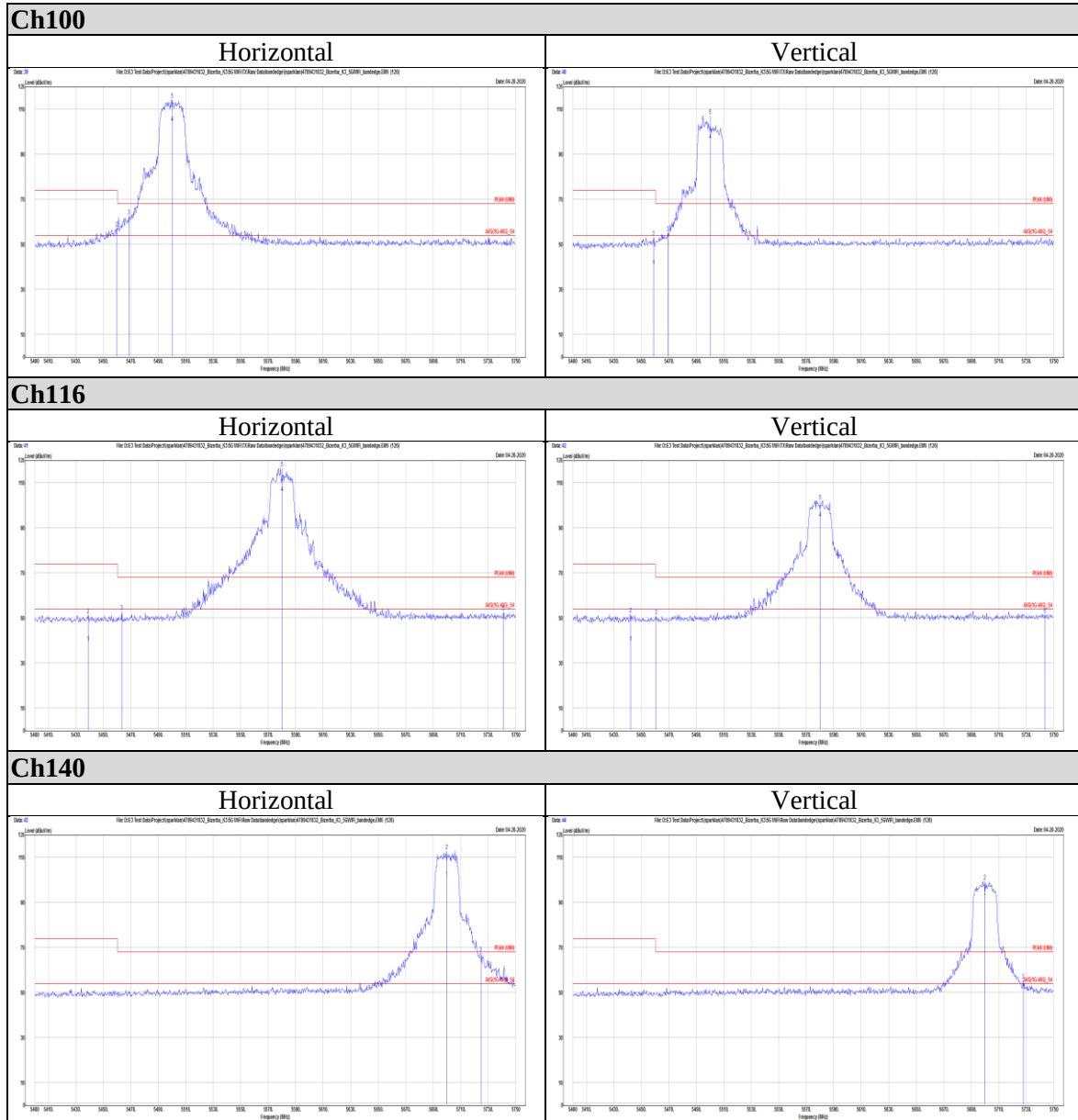
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

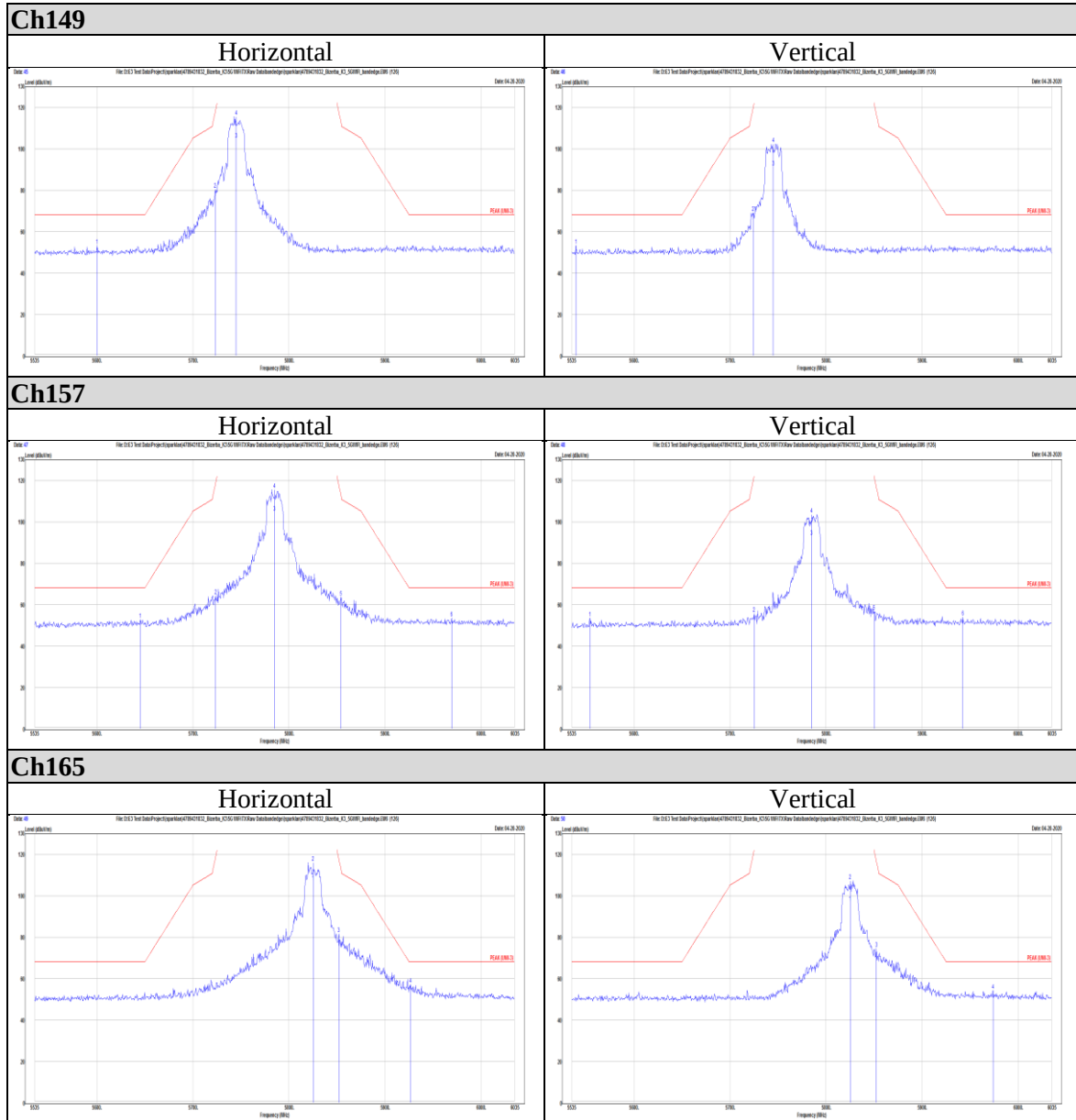
Doc No: 17-EM-F0878 / 5.0







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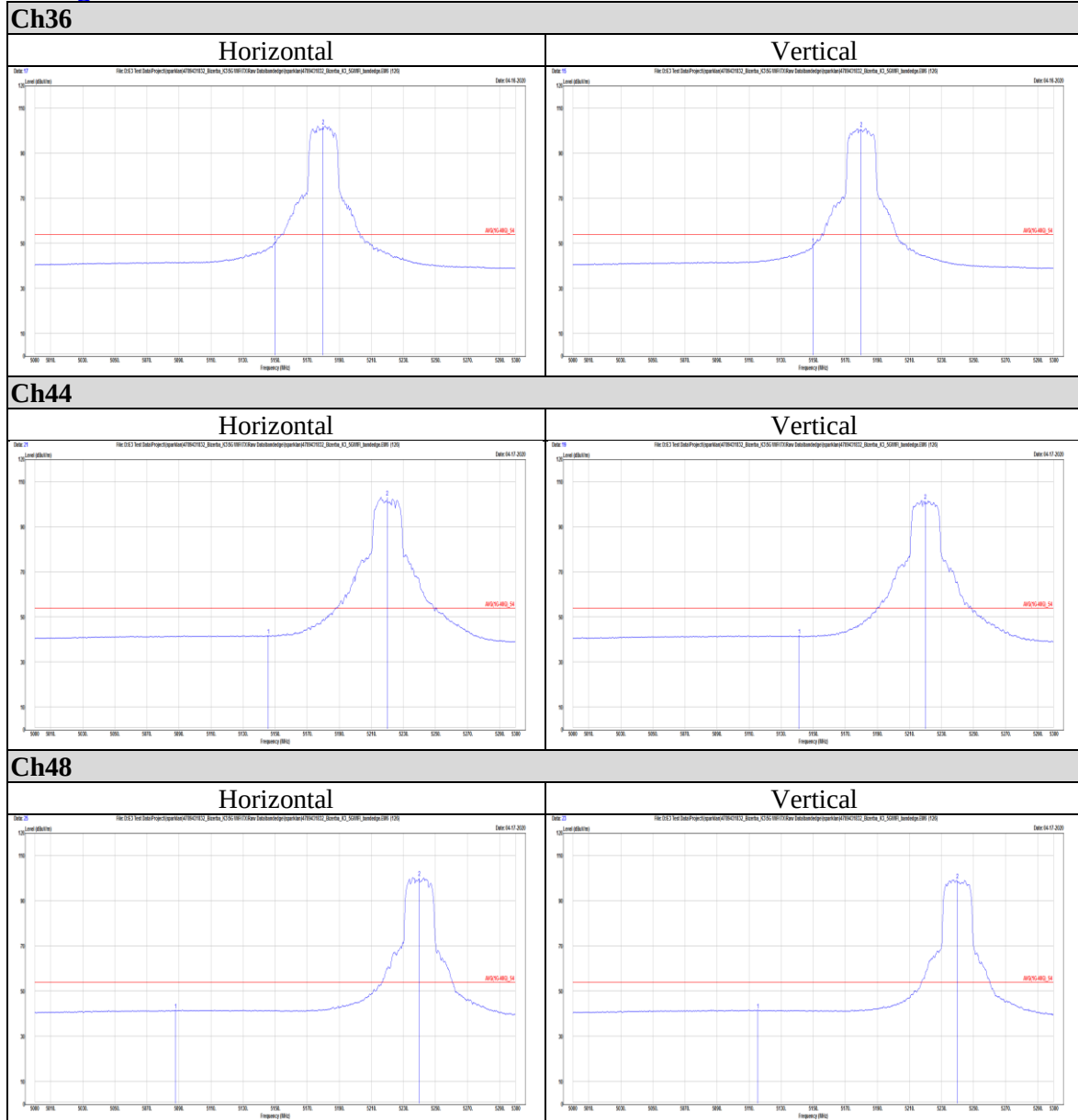
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Doc No: 17-EM-F0878 / 5.0



Average



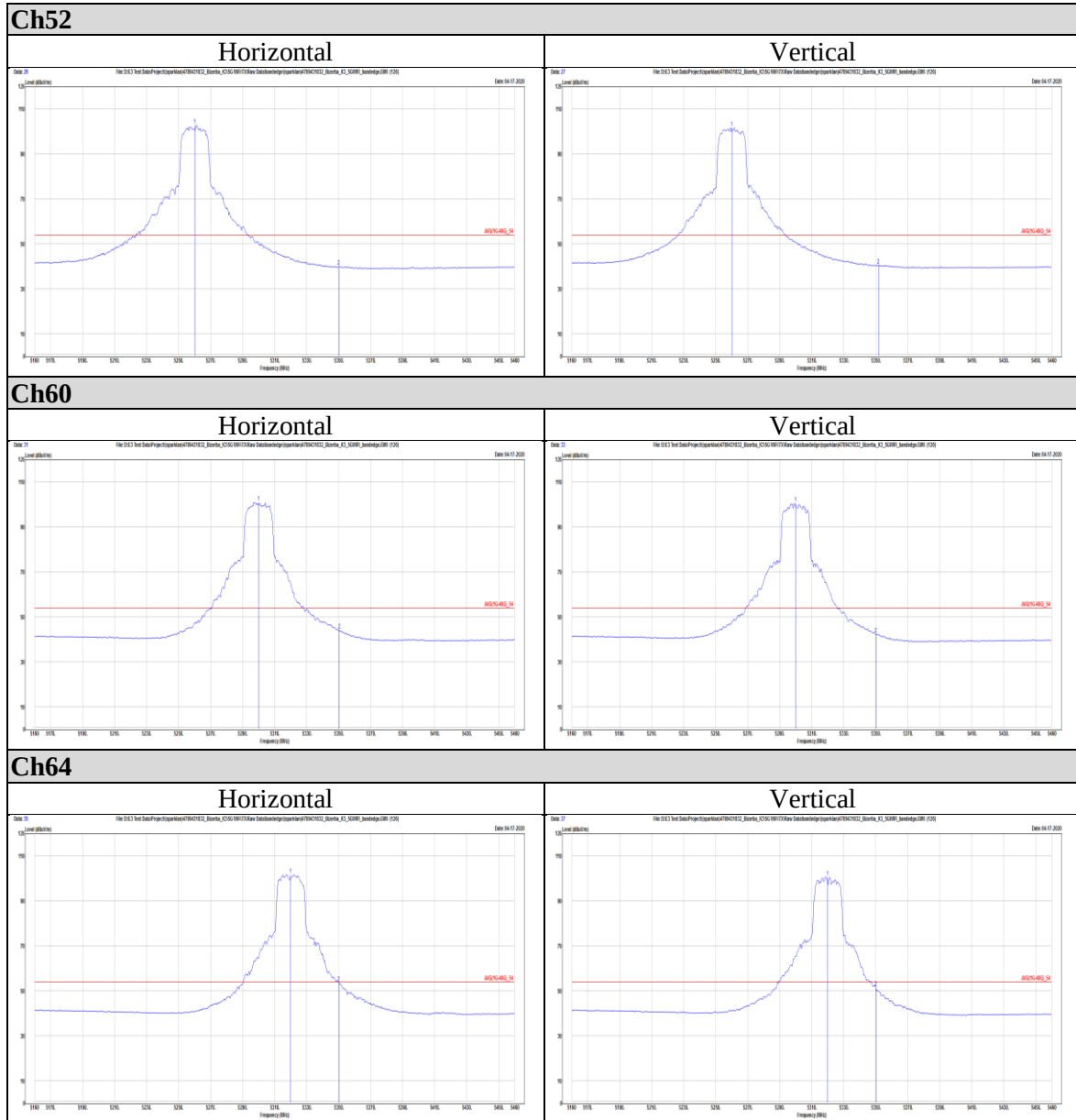
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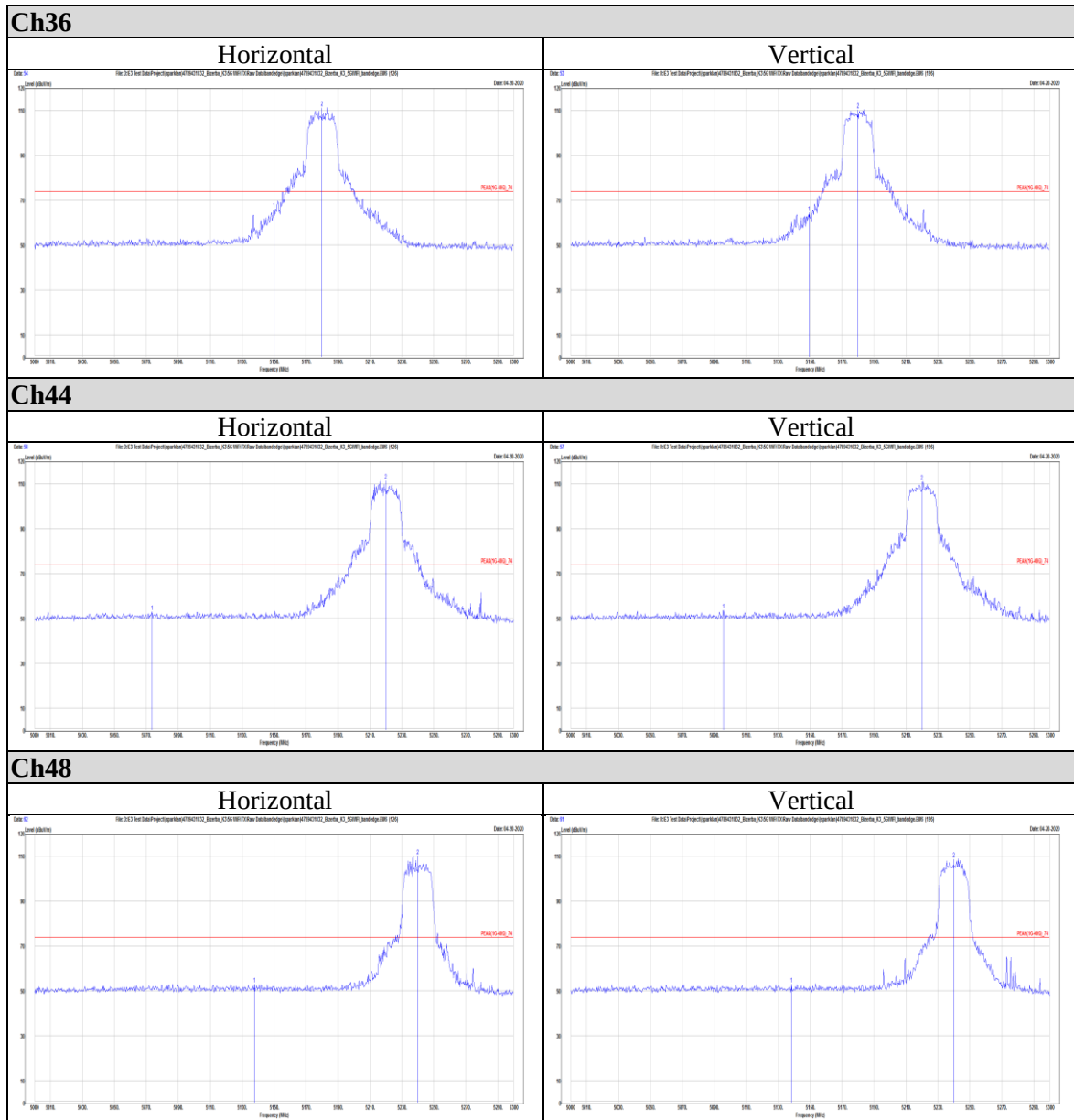
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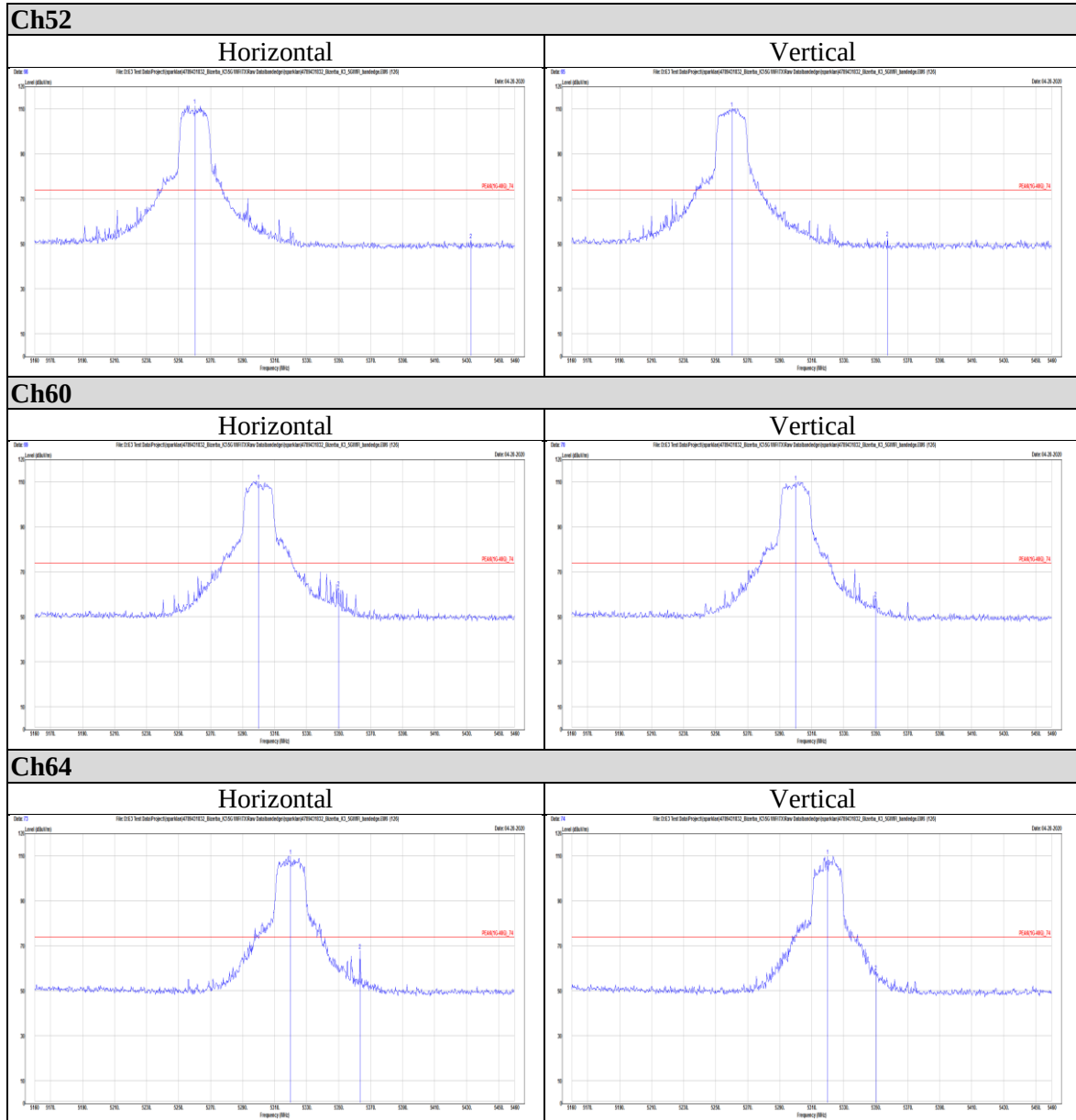


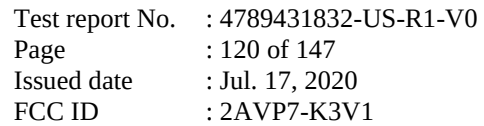


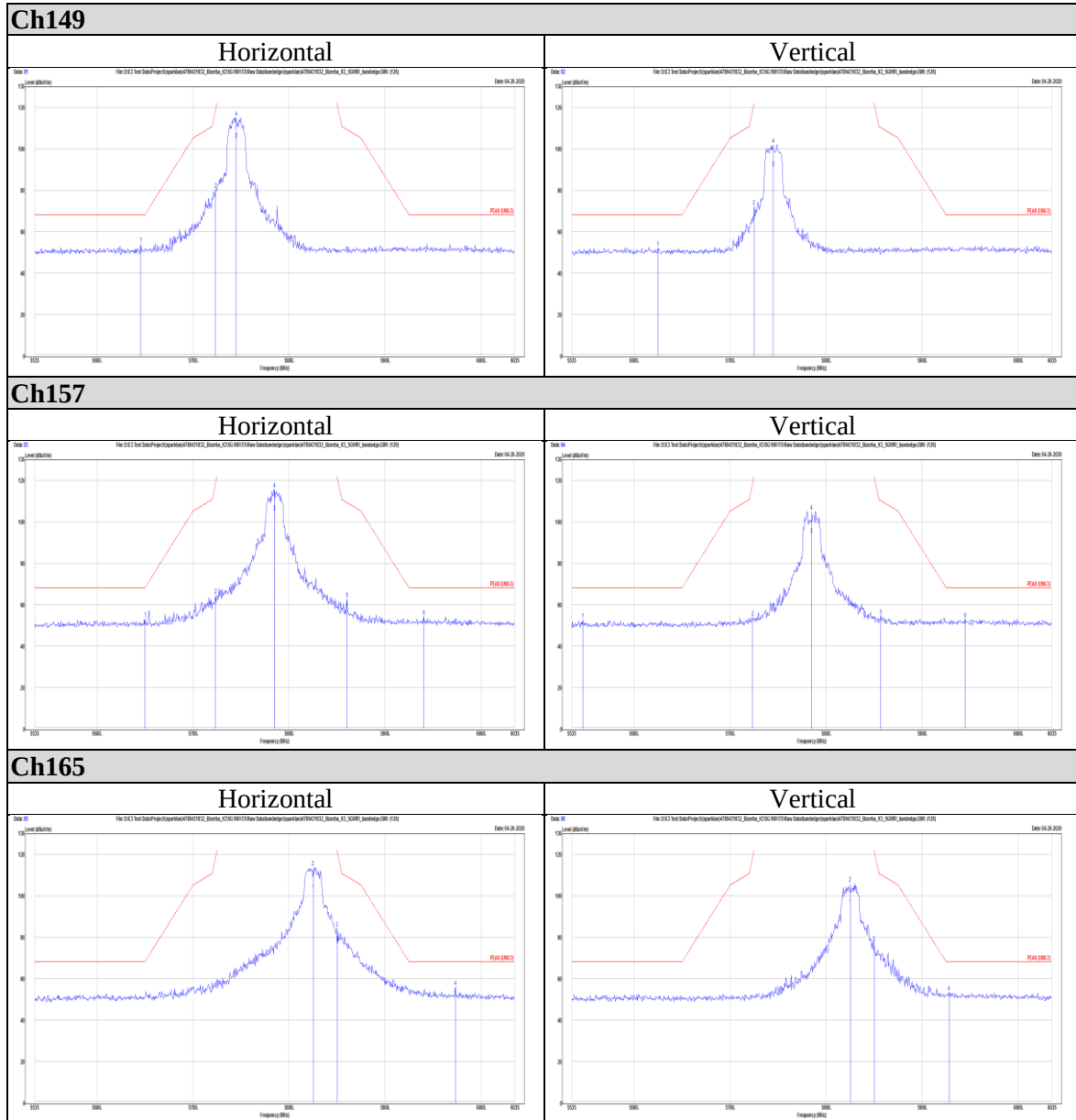
802.11ac (VHT20)

Peak









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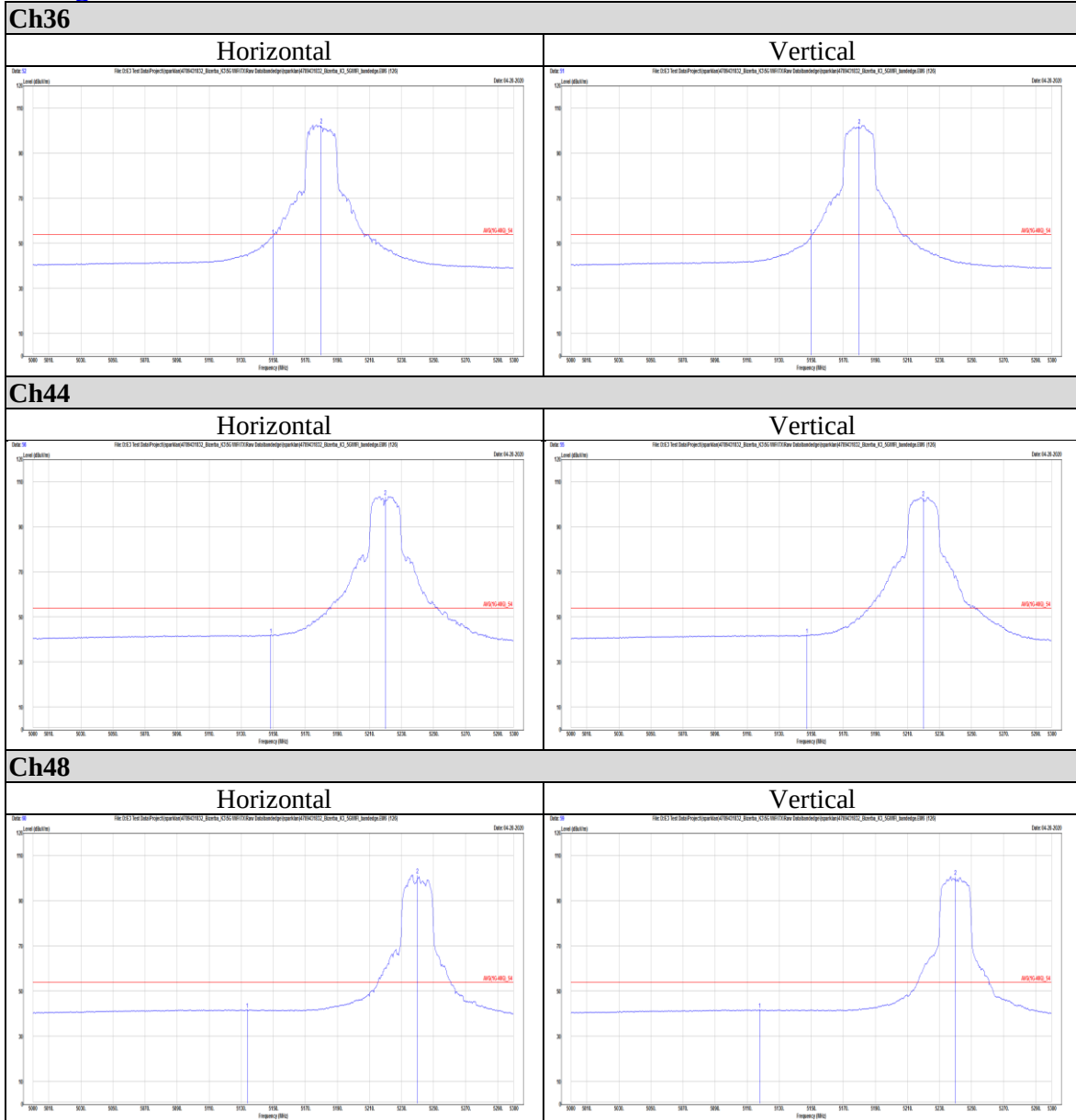
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Doc No: 17-EM-F0878 / 5.0



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Average



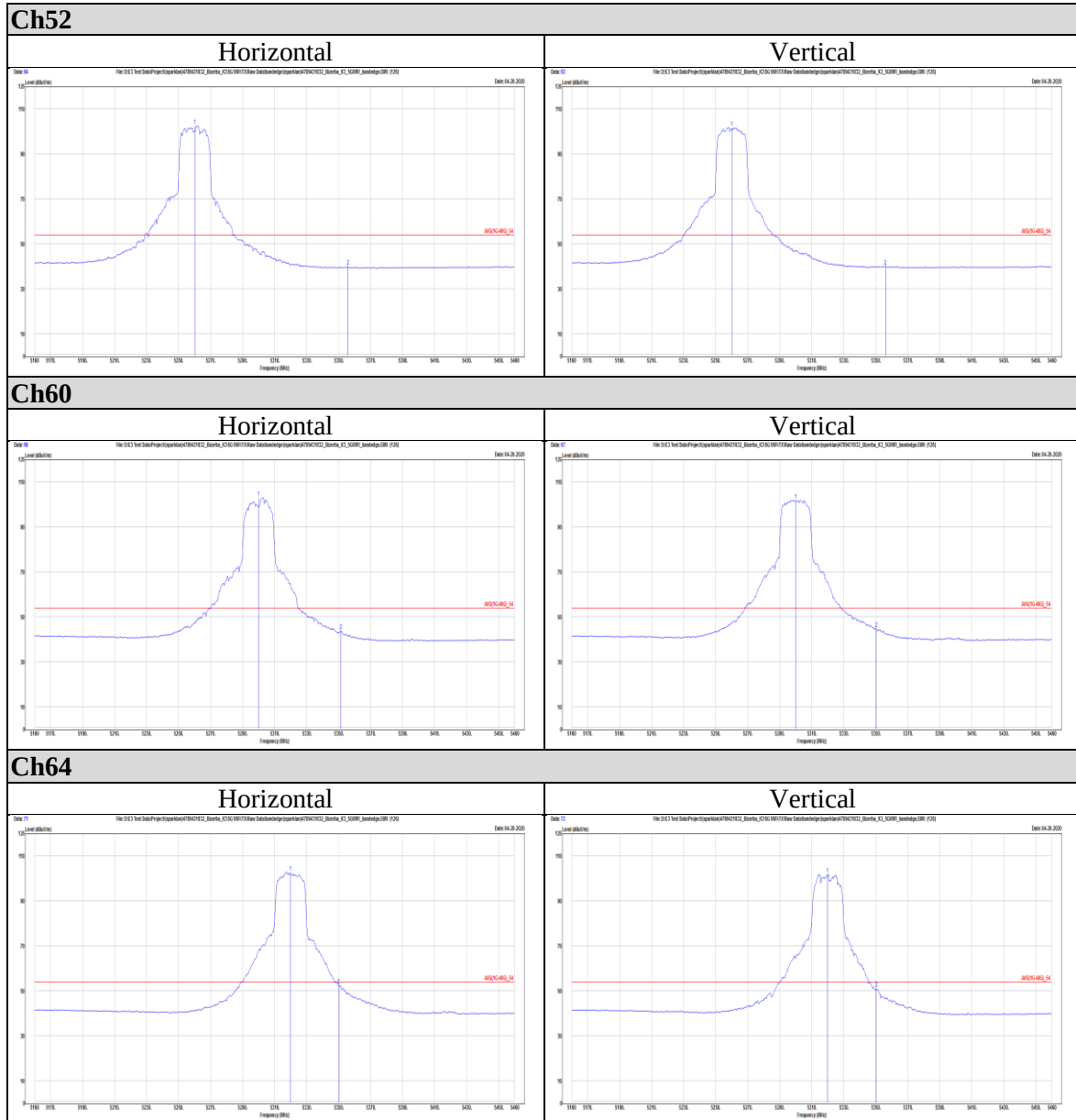
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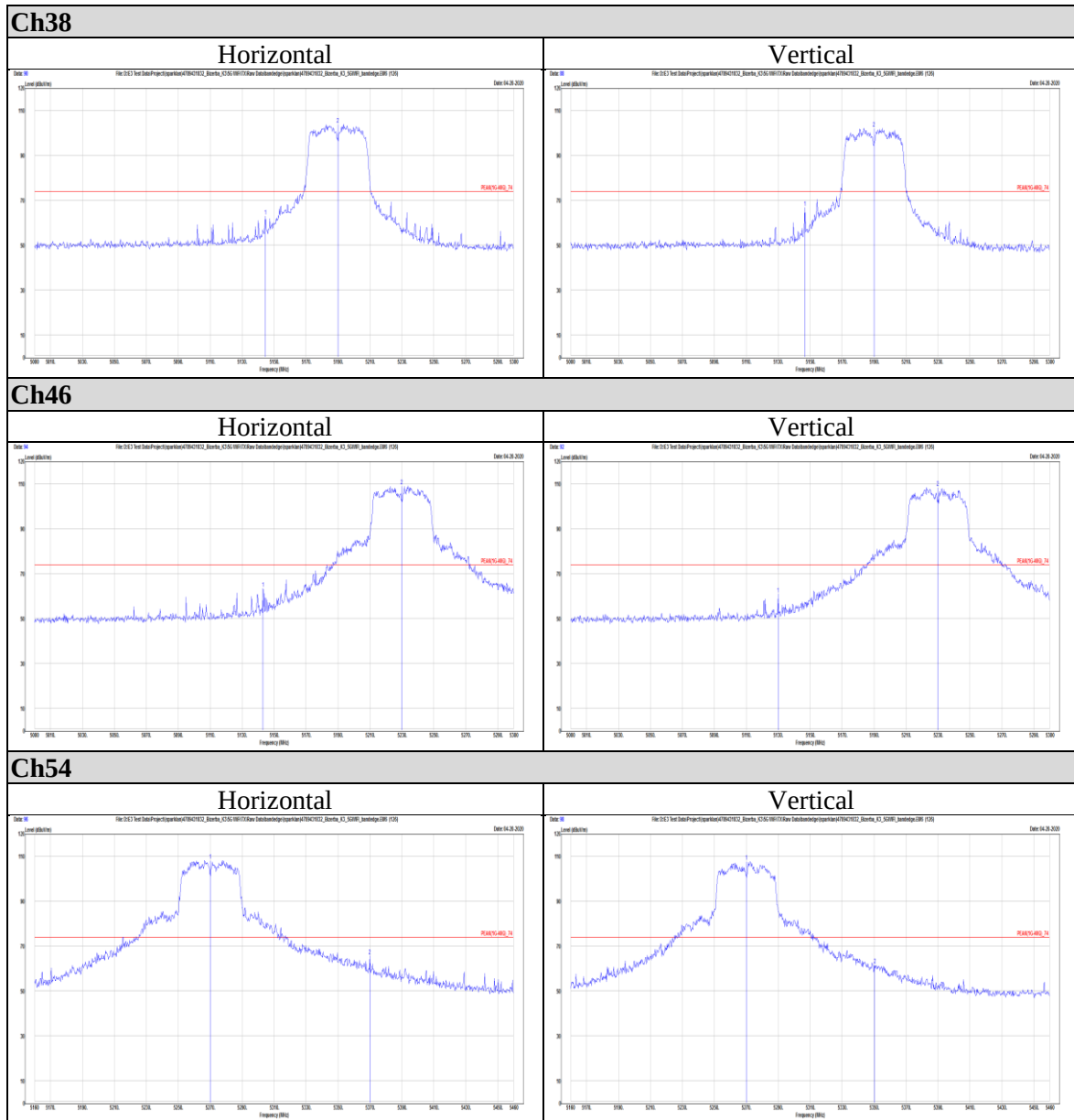
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802.11ac (VHT40)

Peak



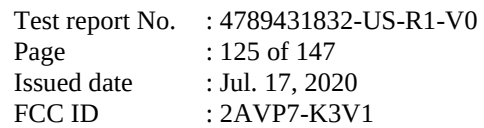
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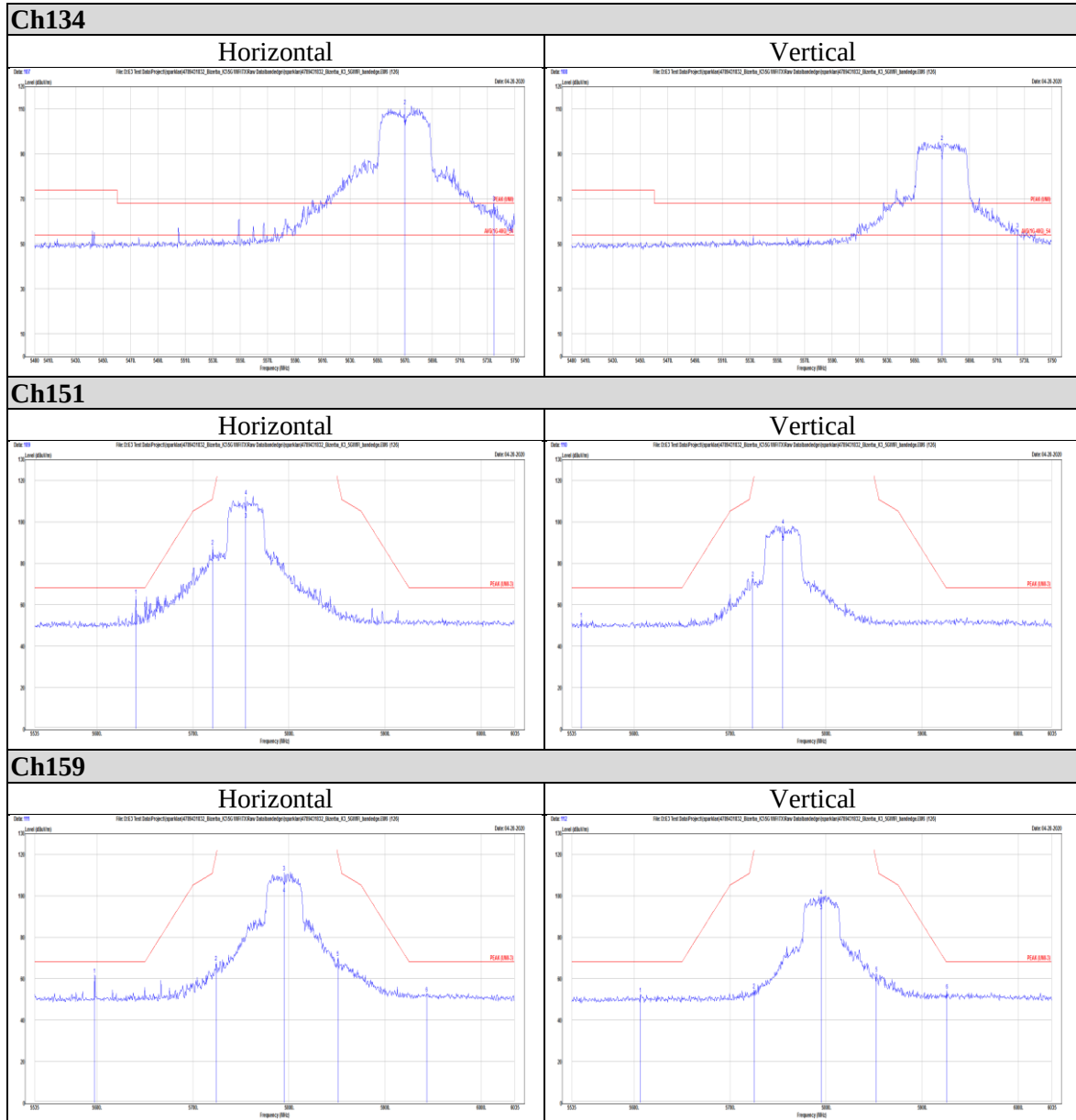
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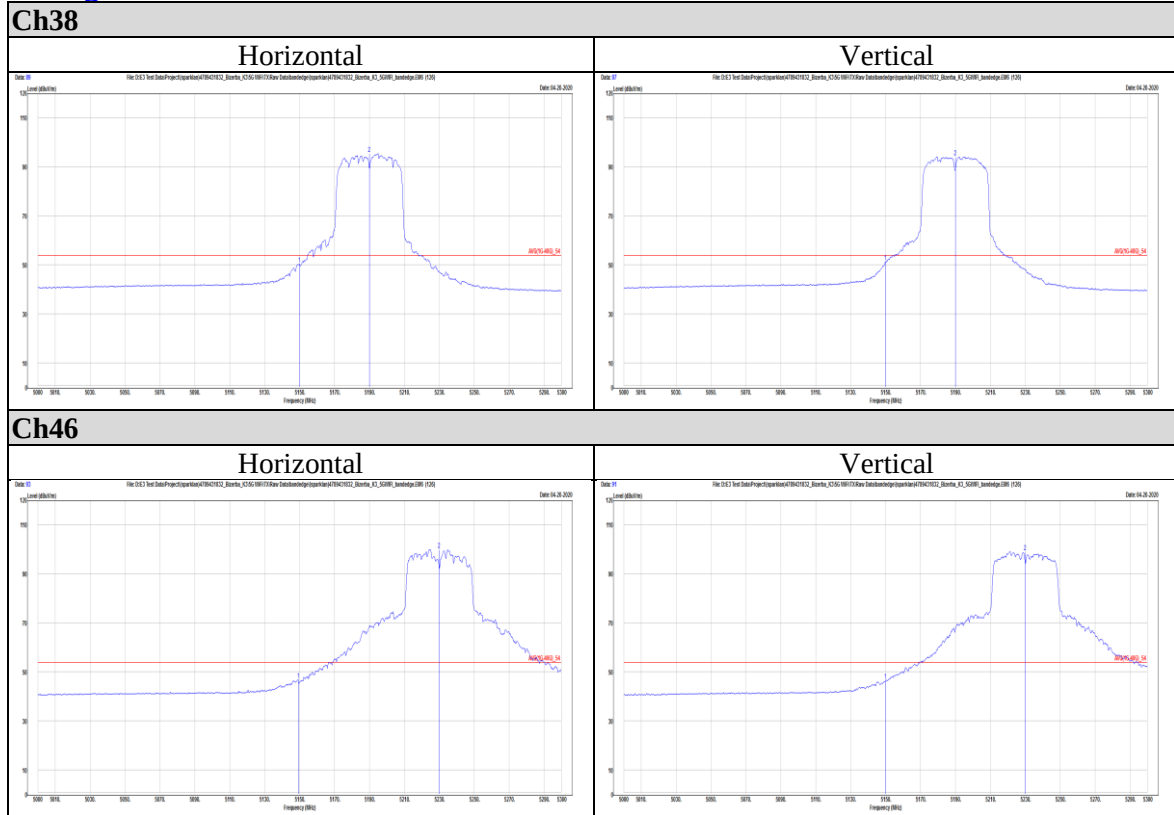
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Average



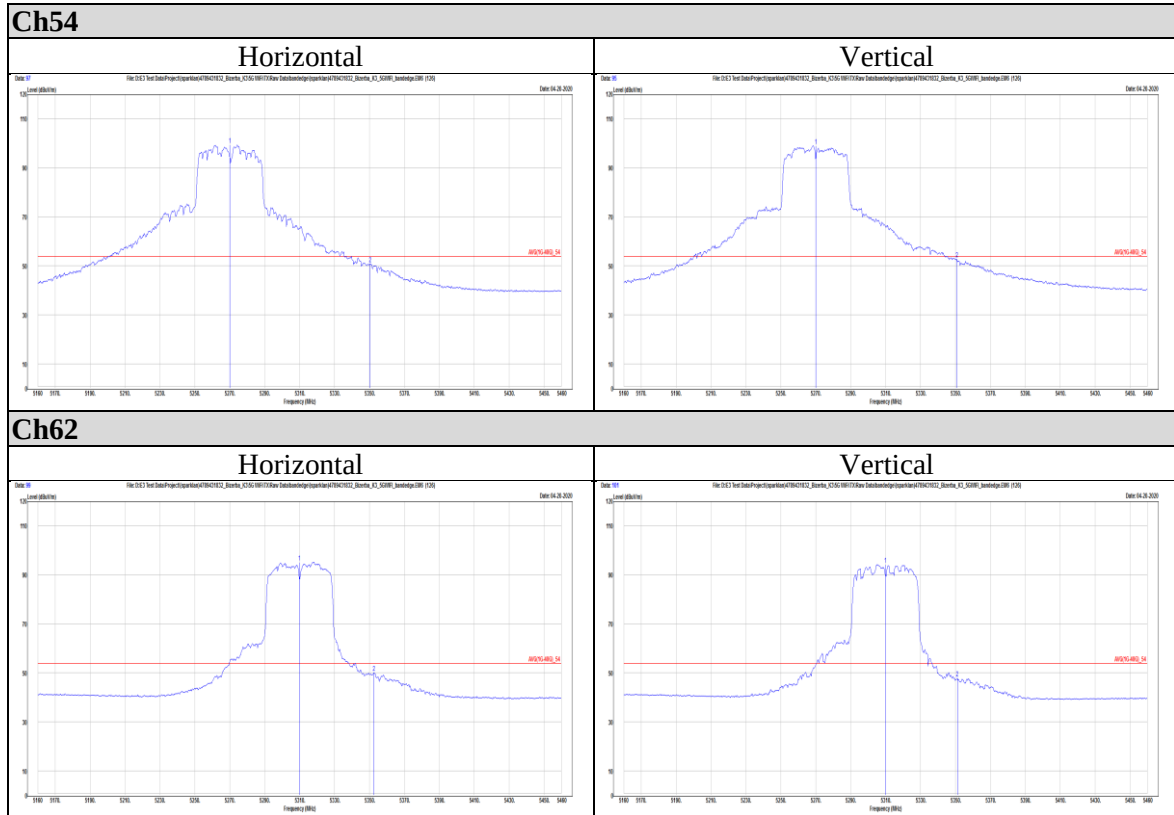
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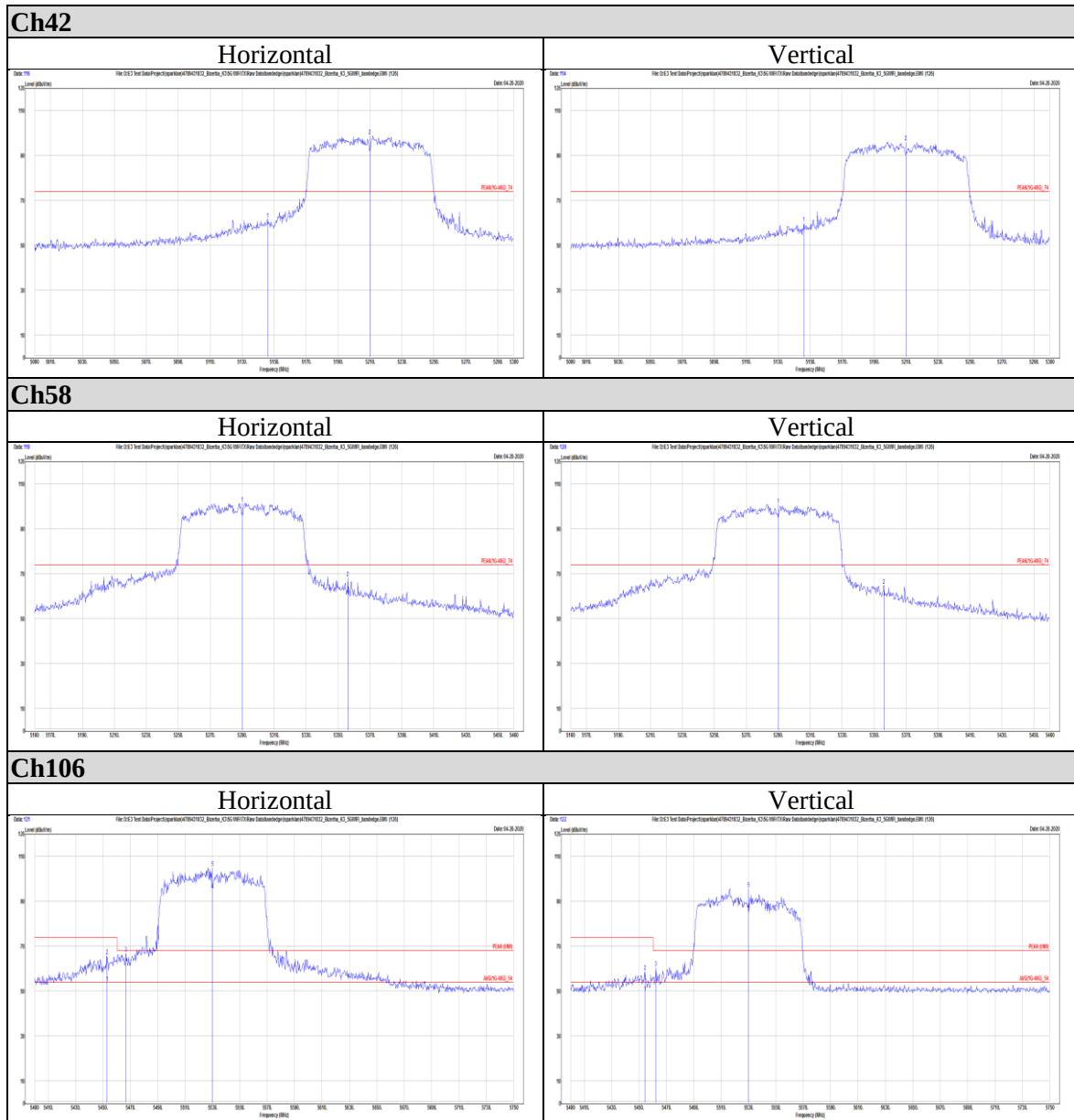
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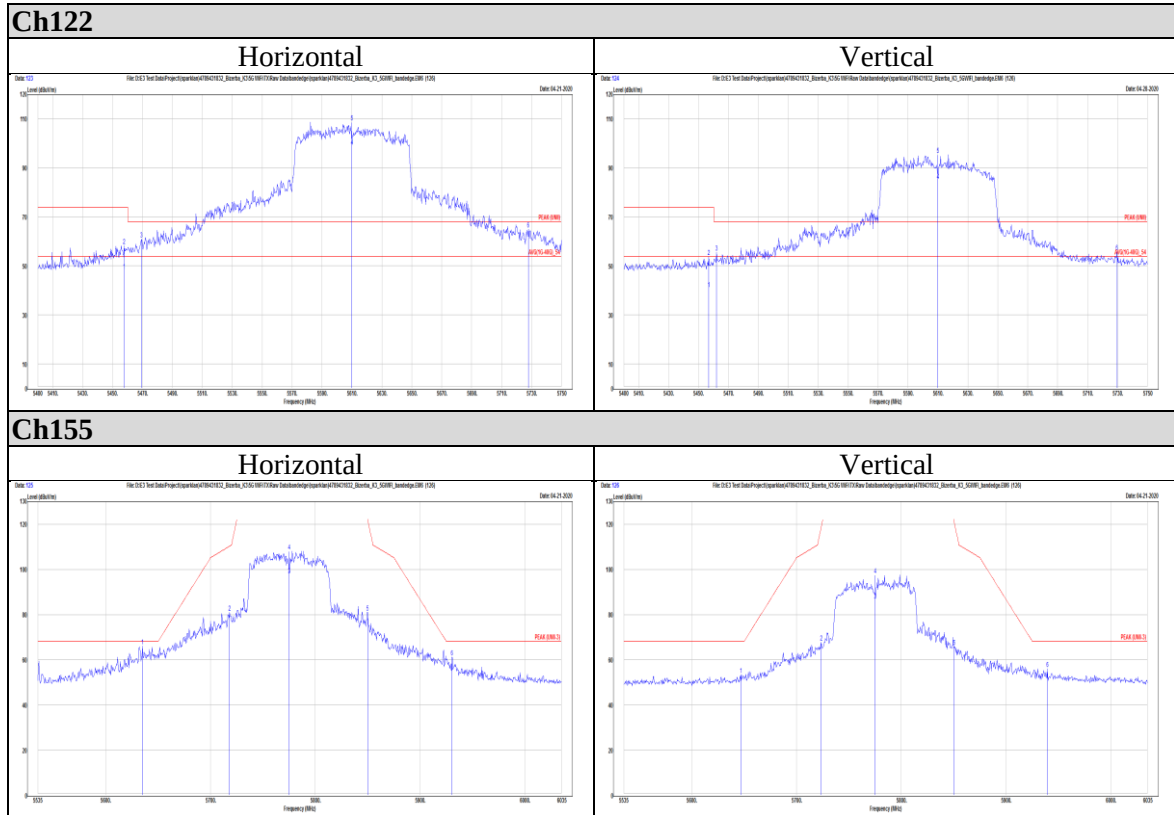
802.11ac (VHT80)

Peak





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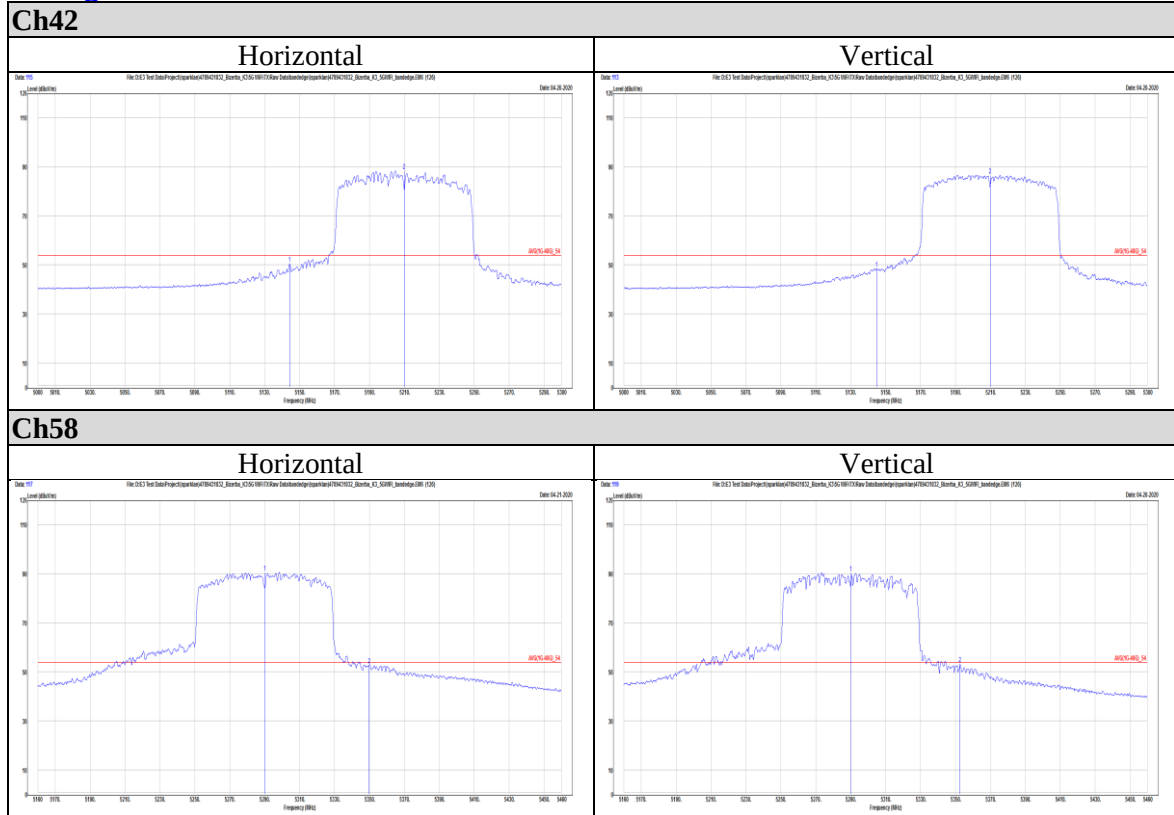
Telephone : +886-2-7737-3000

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Average



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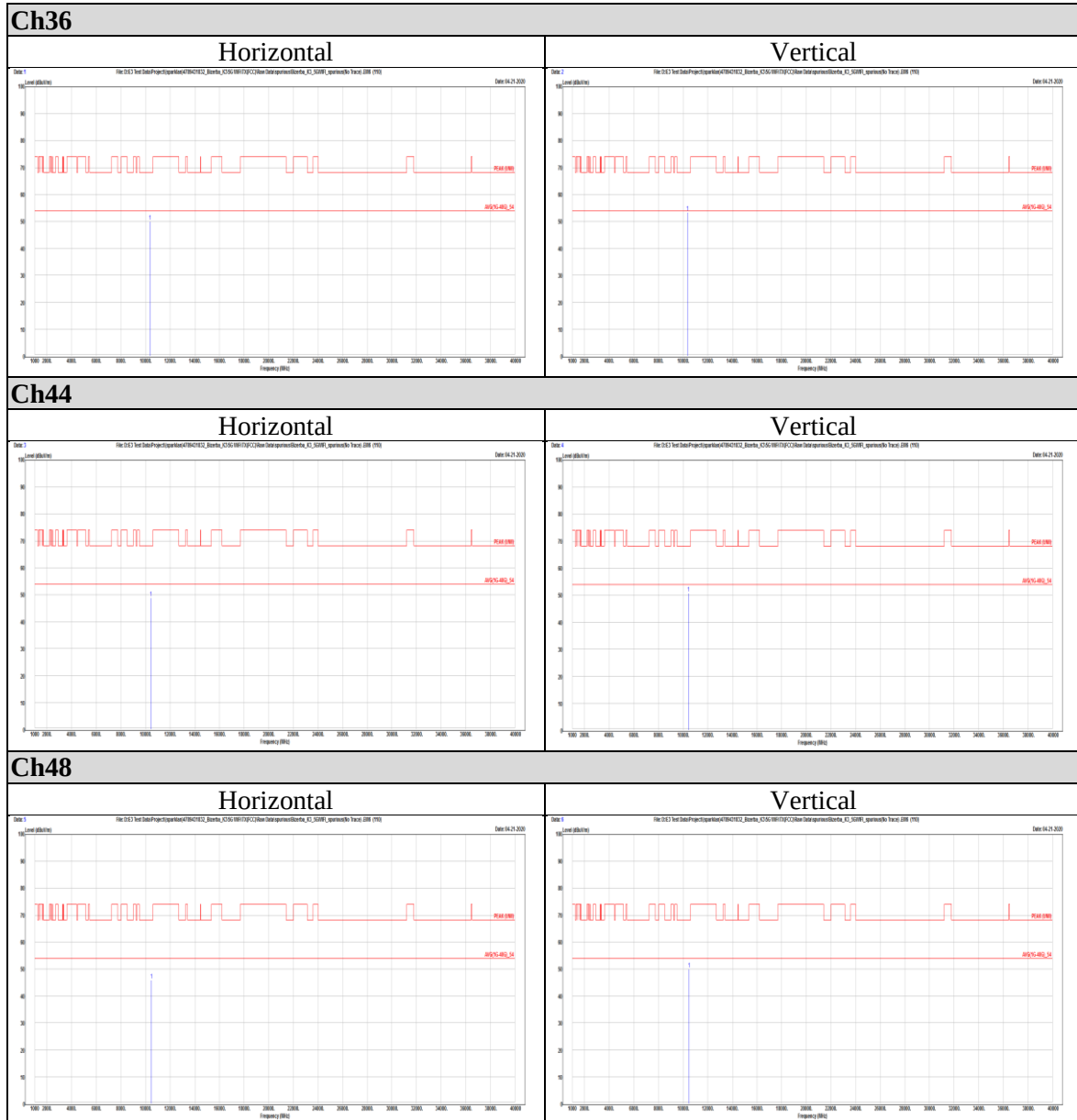
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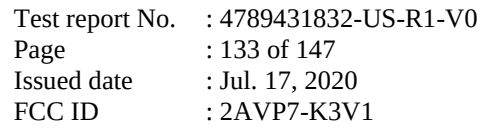
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Appendix II Radiated Spurious Emission Measurement

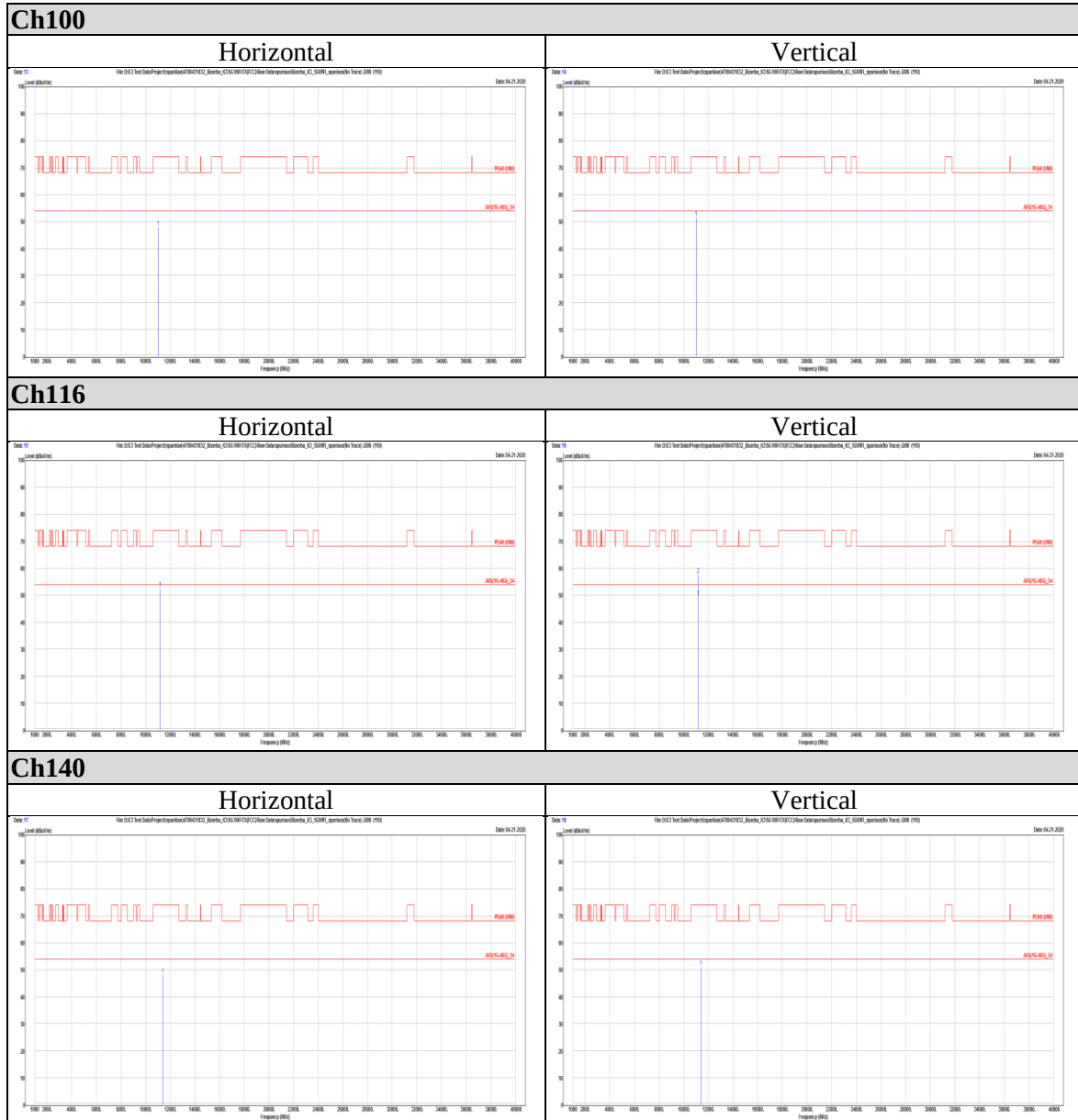
802.11a







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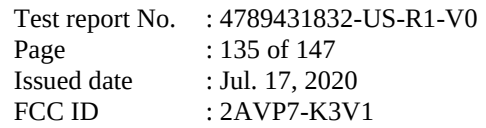
Underwriters Laboratories Taiwan Co., Ltd.

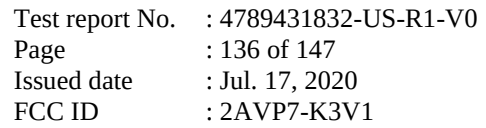
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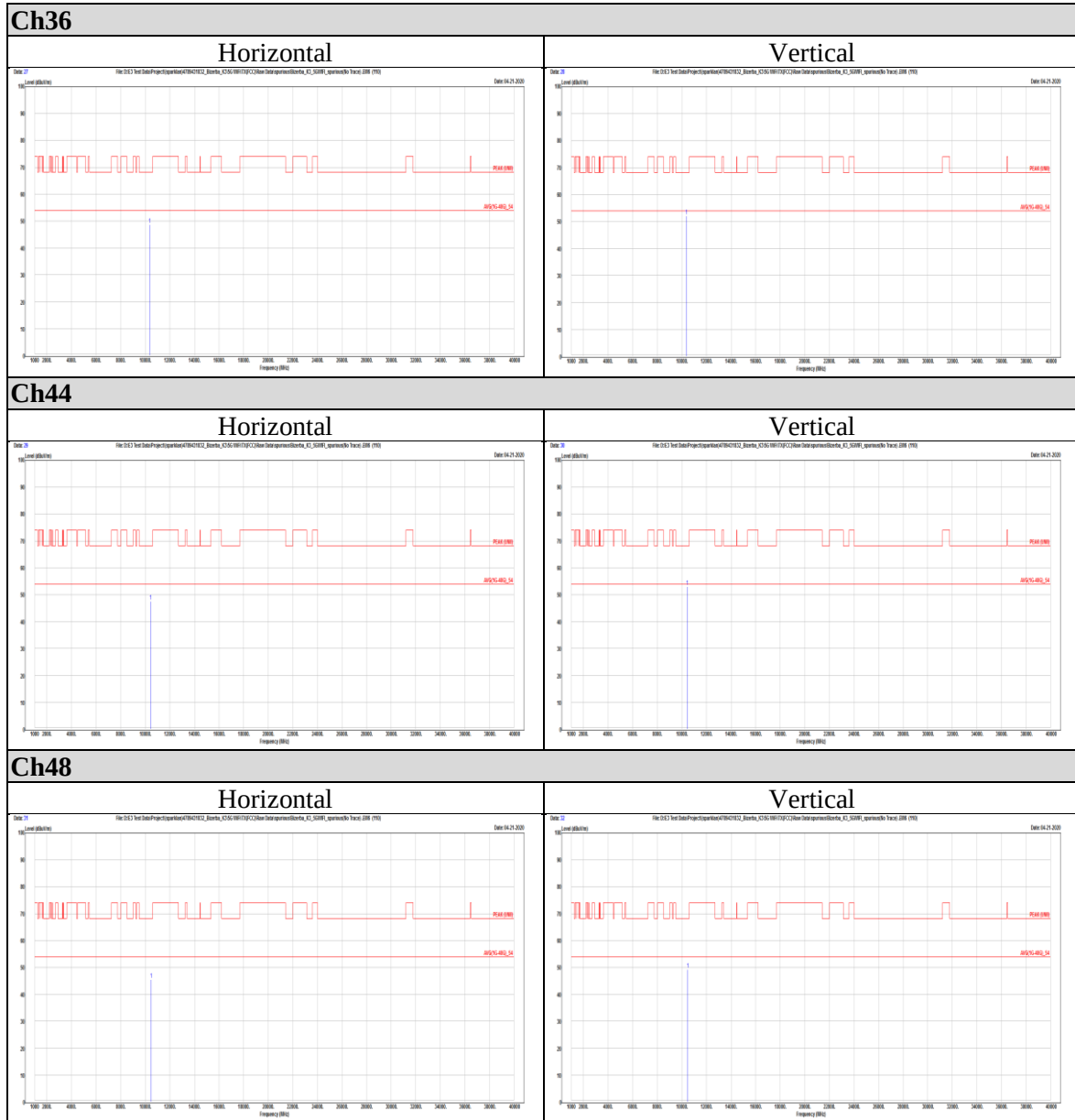
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802.11ac (VHT20)



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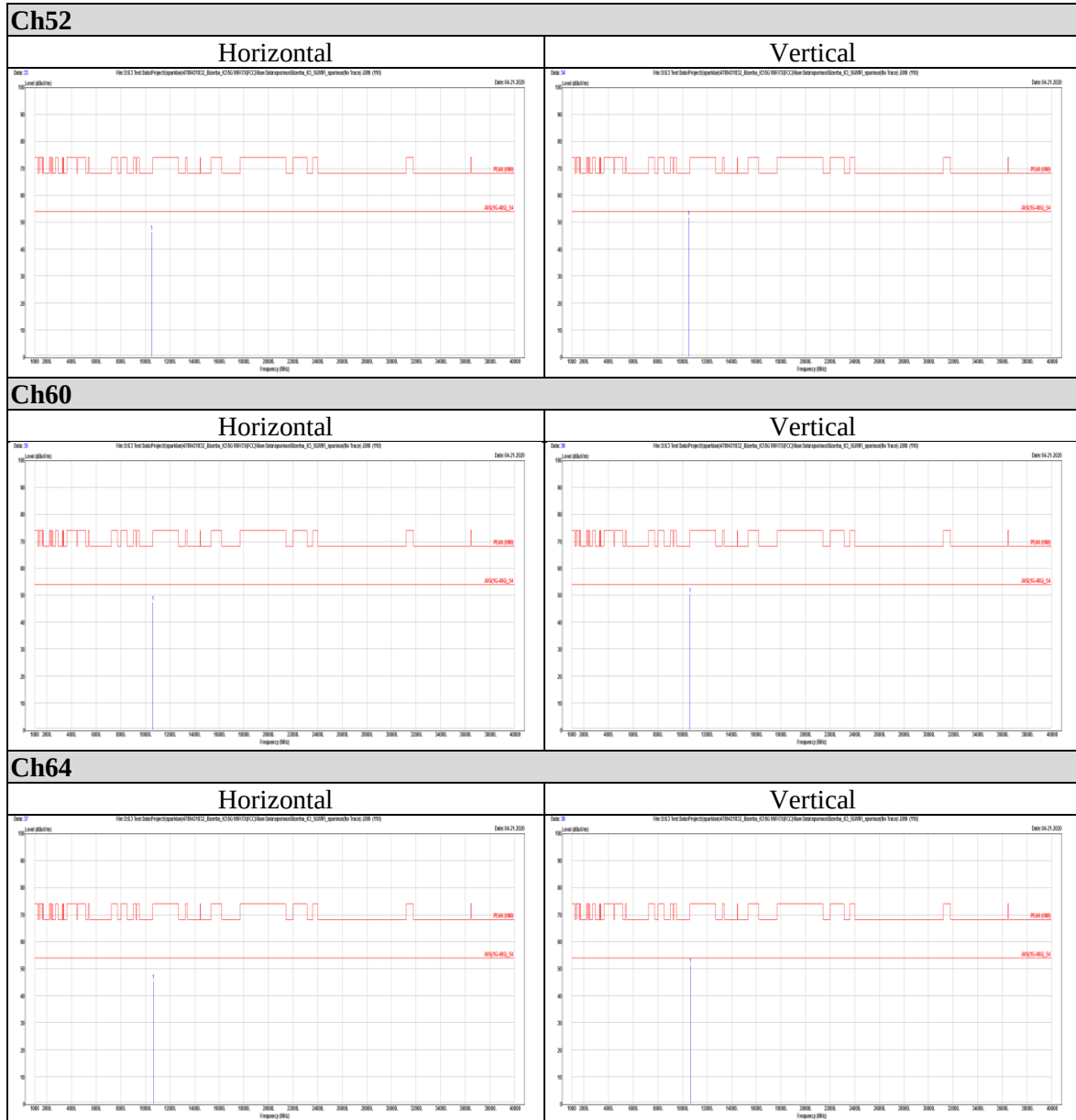
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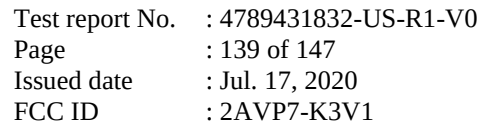
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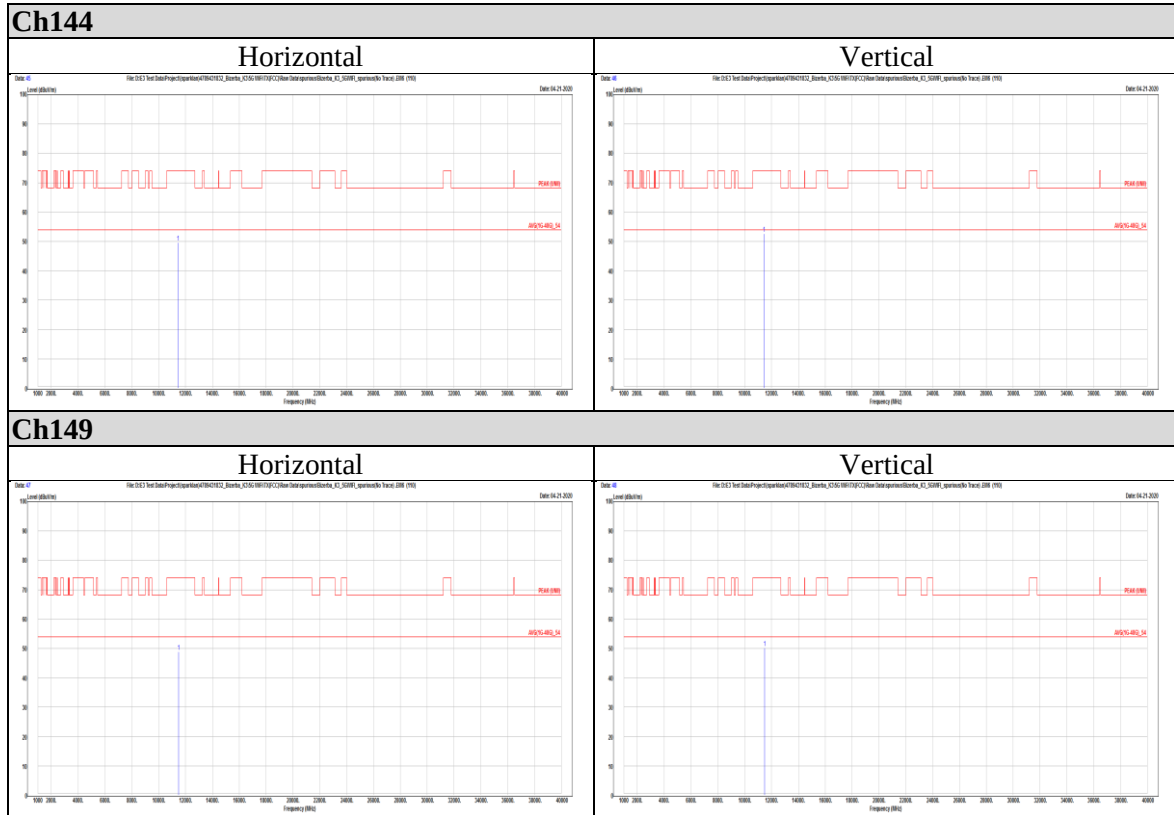
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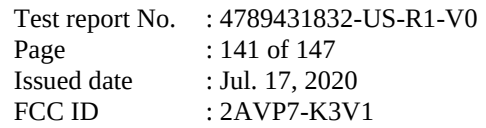
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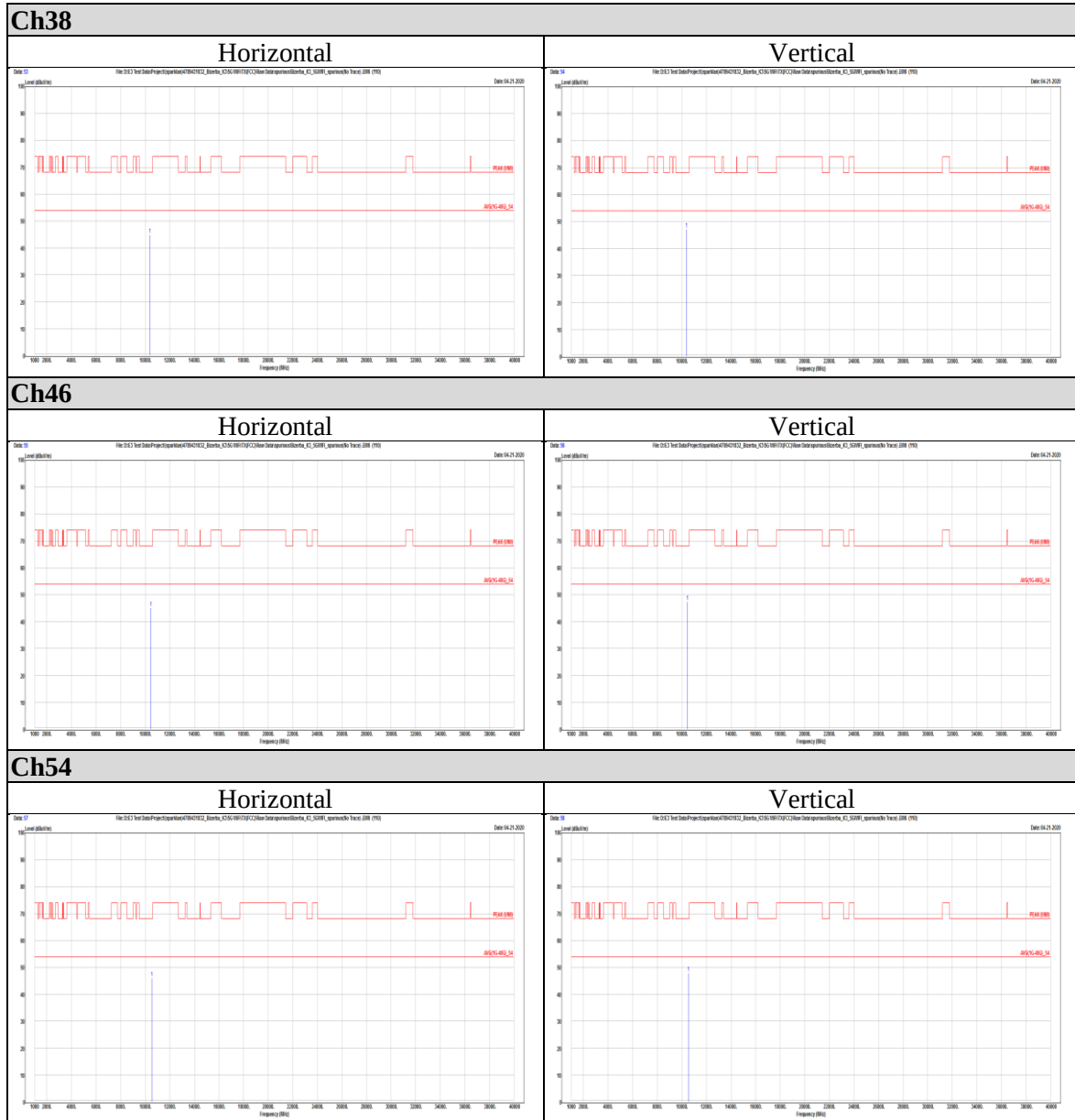






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802.11ac (VHT40)



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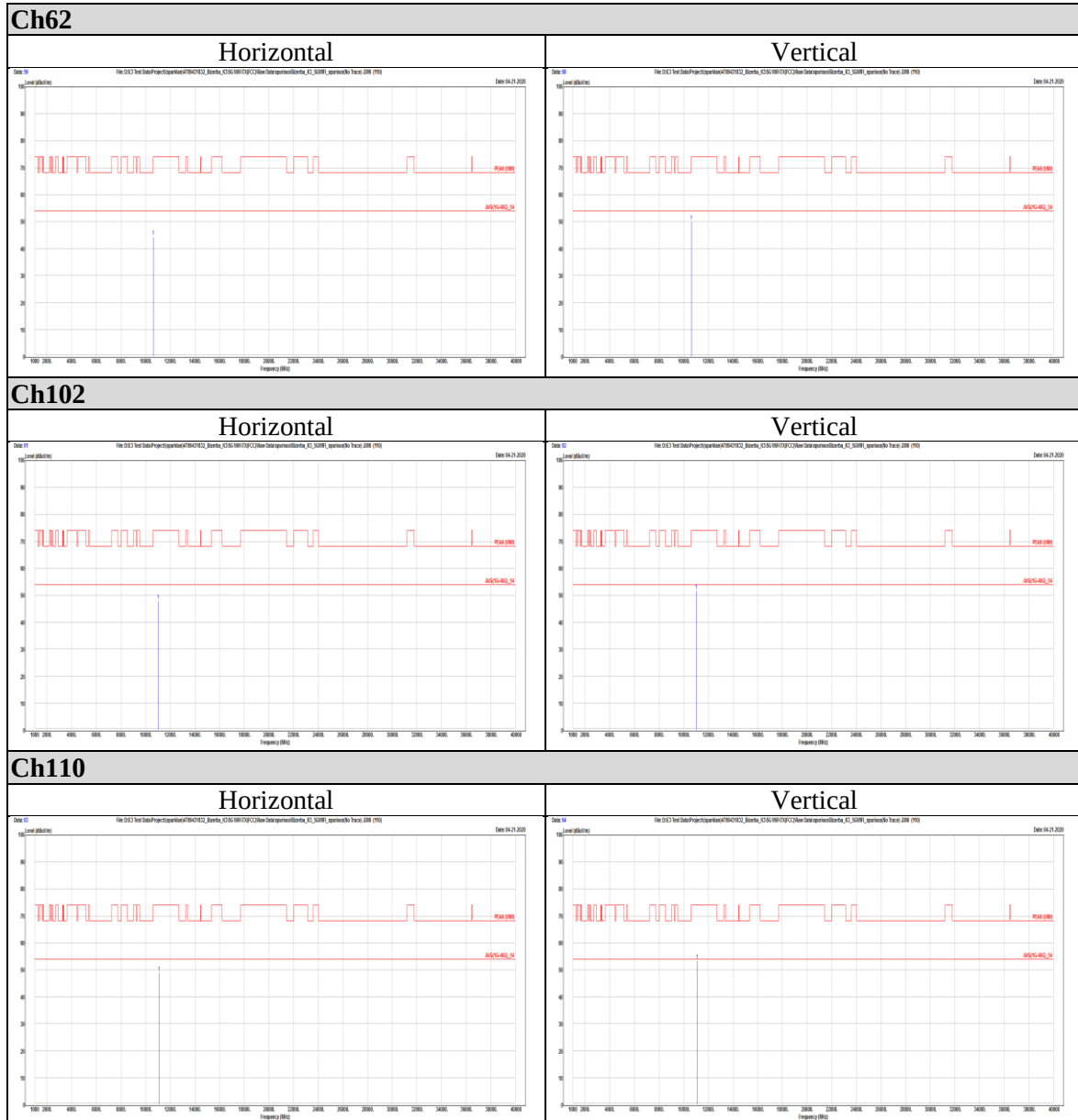
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

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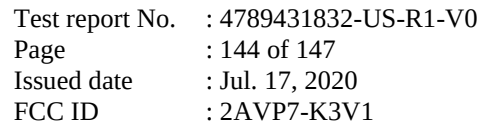
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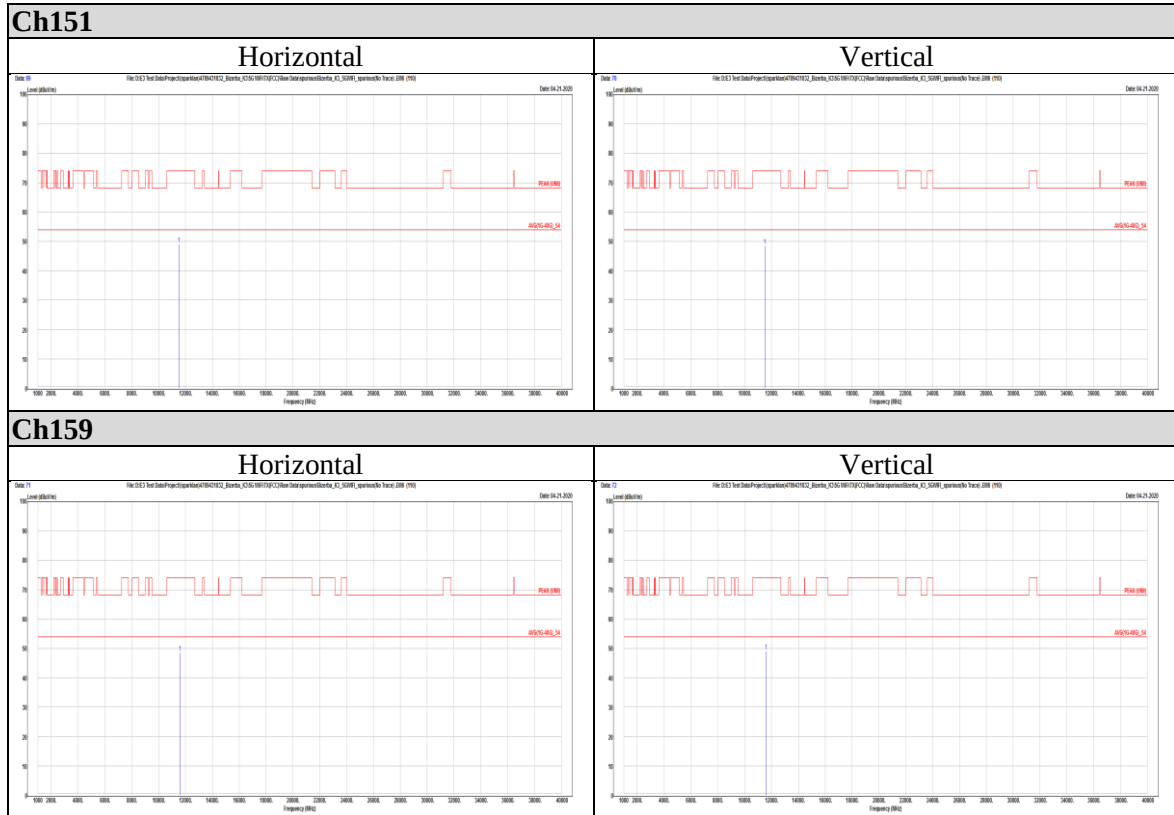
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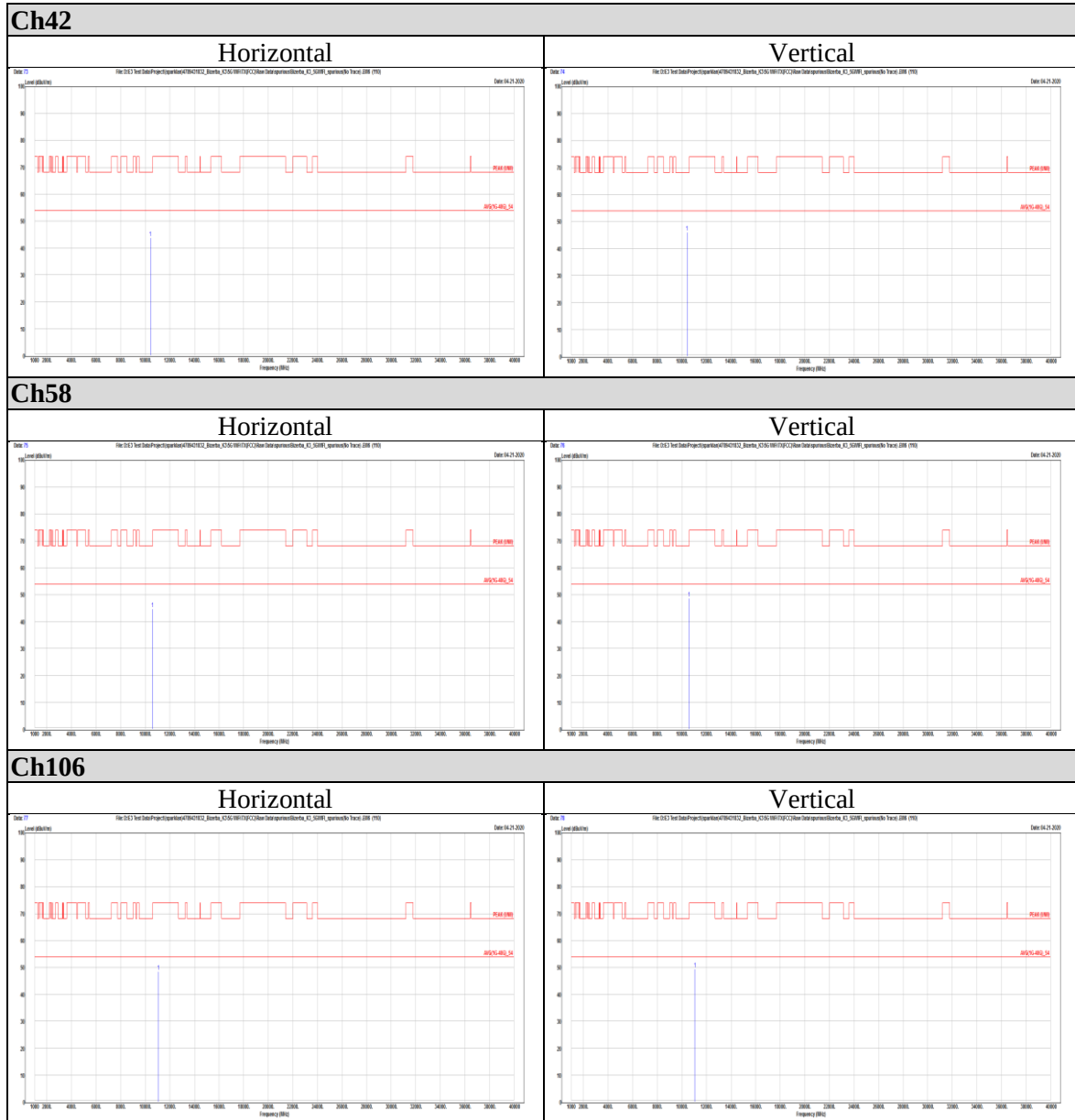
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802.11ac (VHT80)



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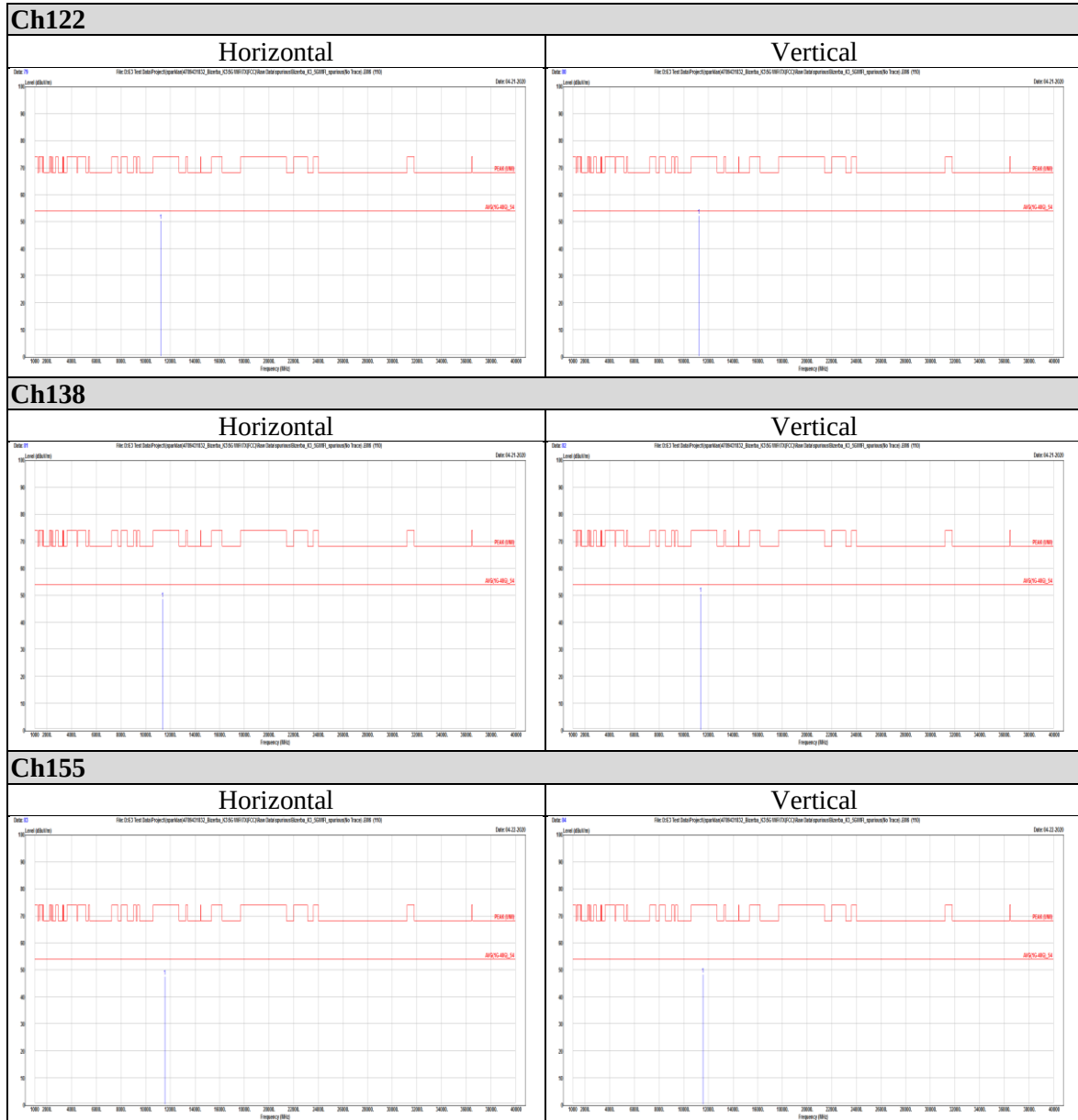
Telephone : +886-2-7737-3000

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