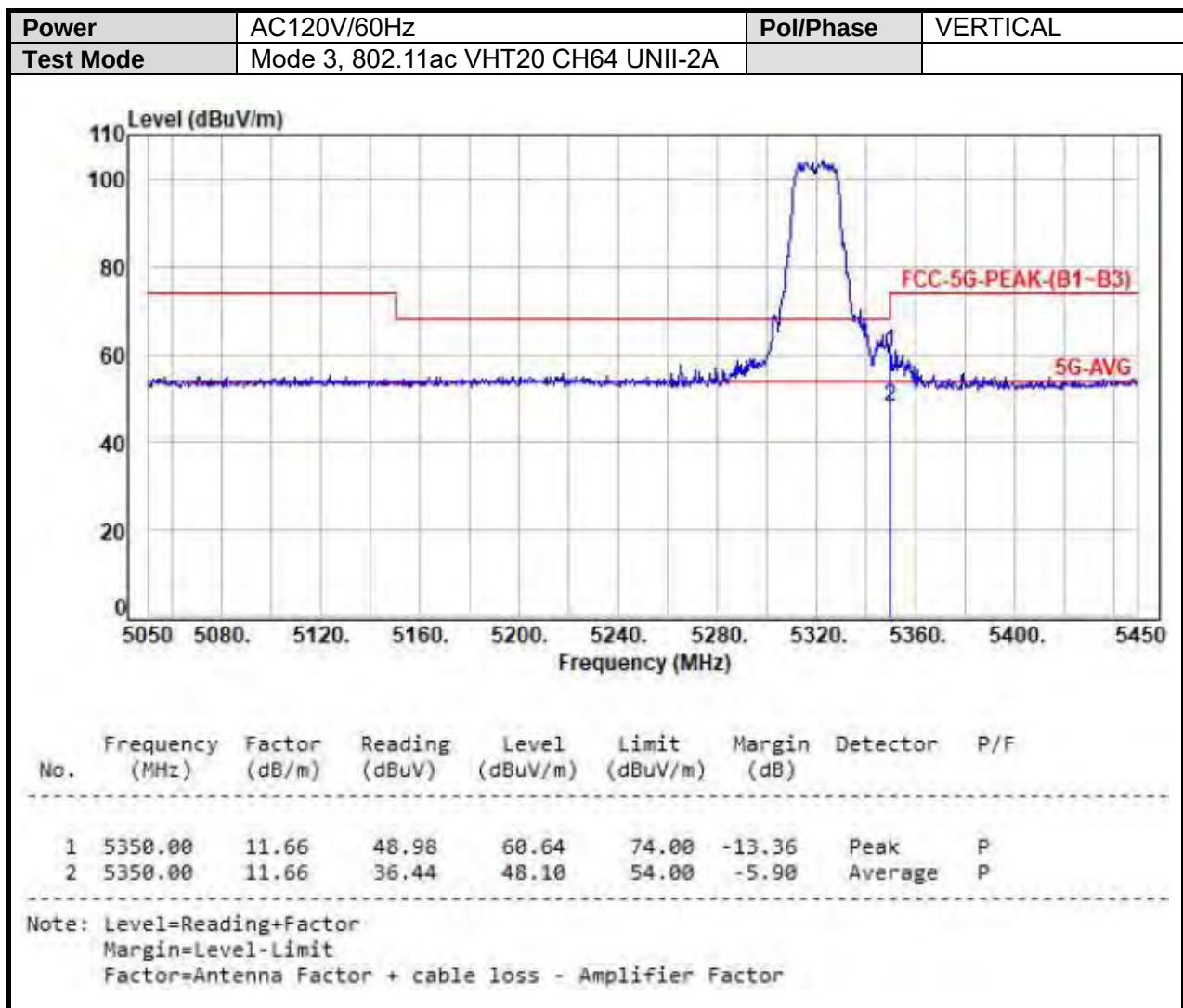
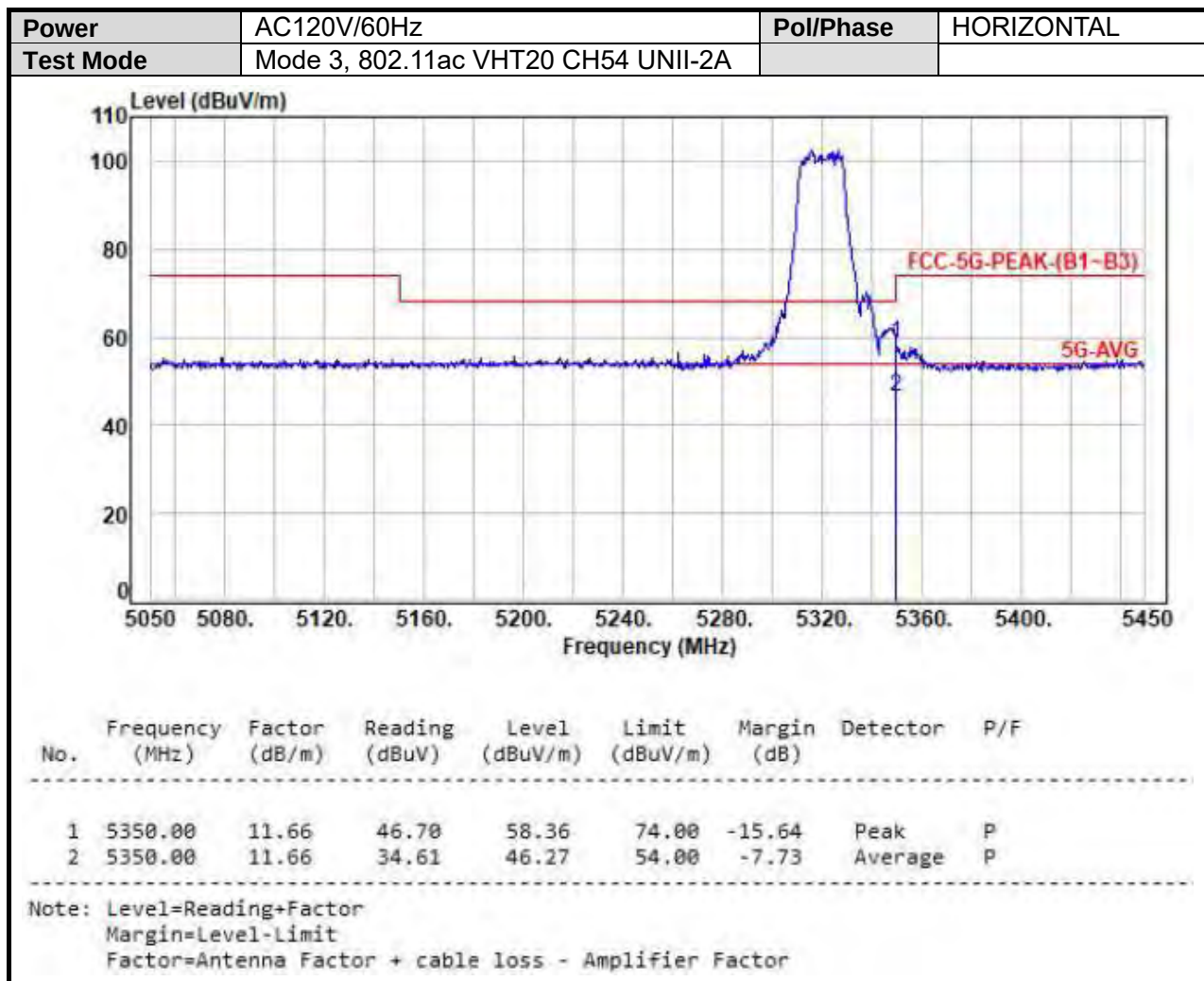
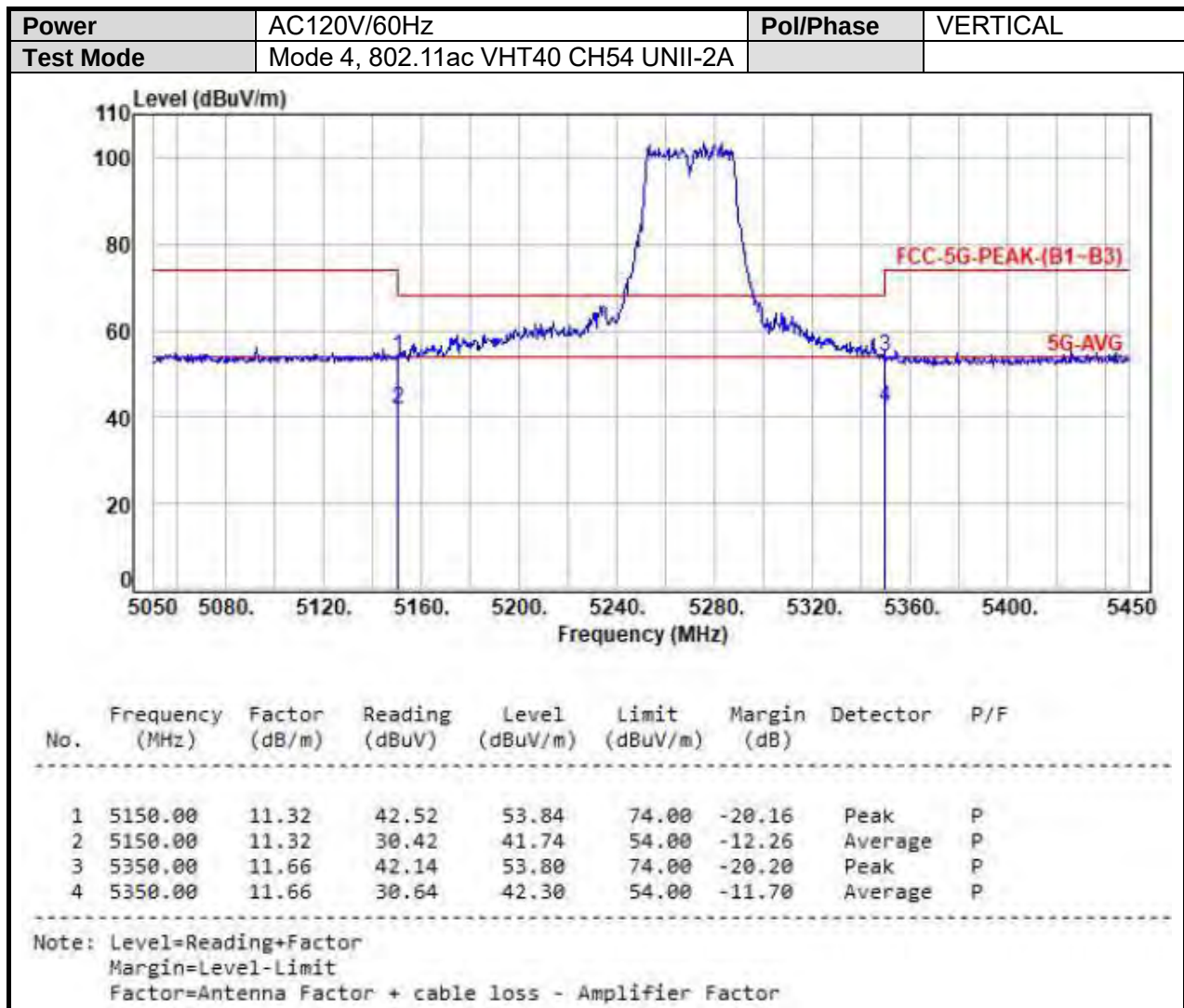
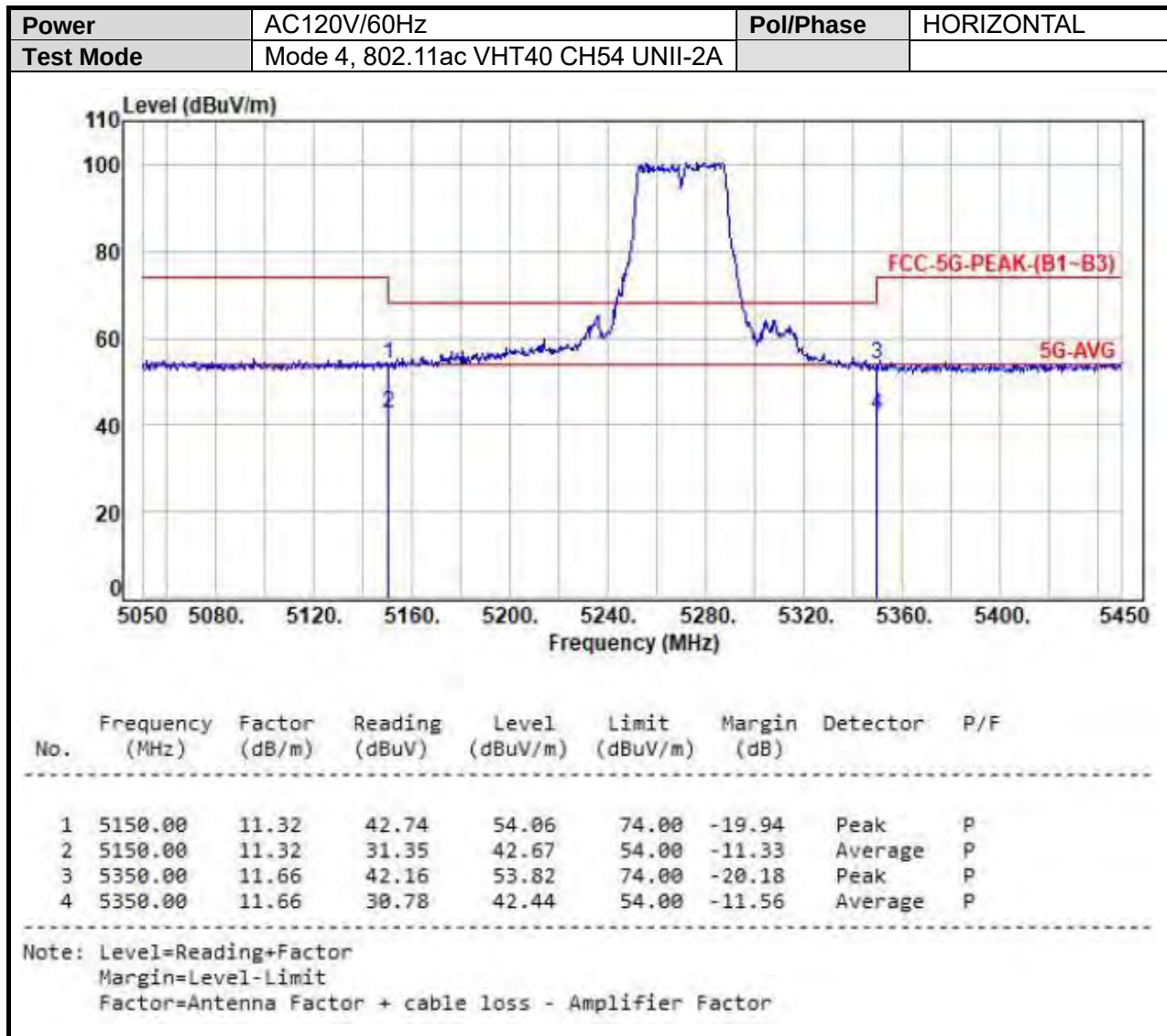
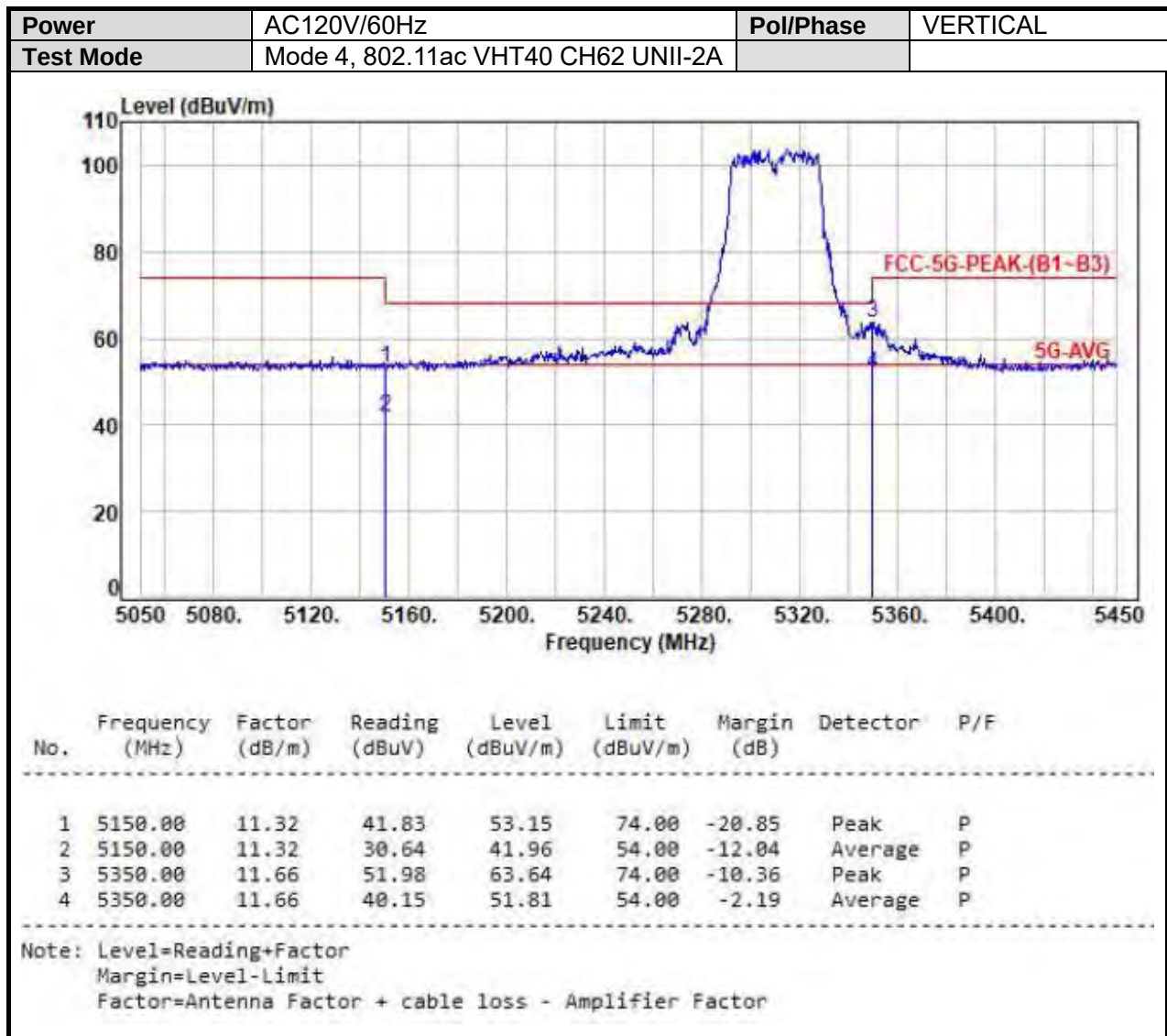


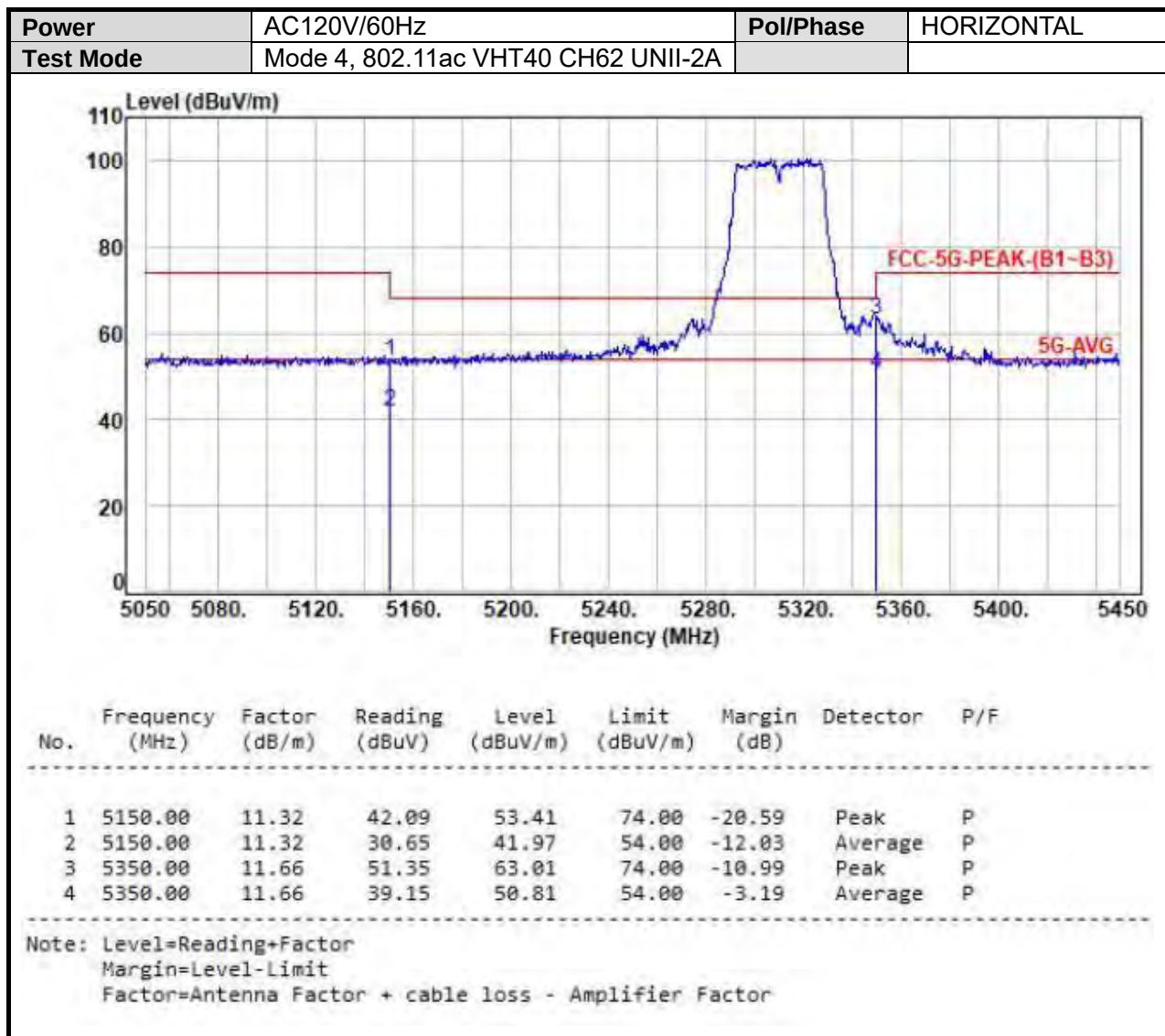


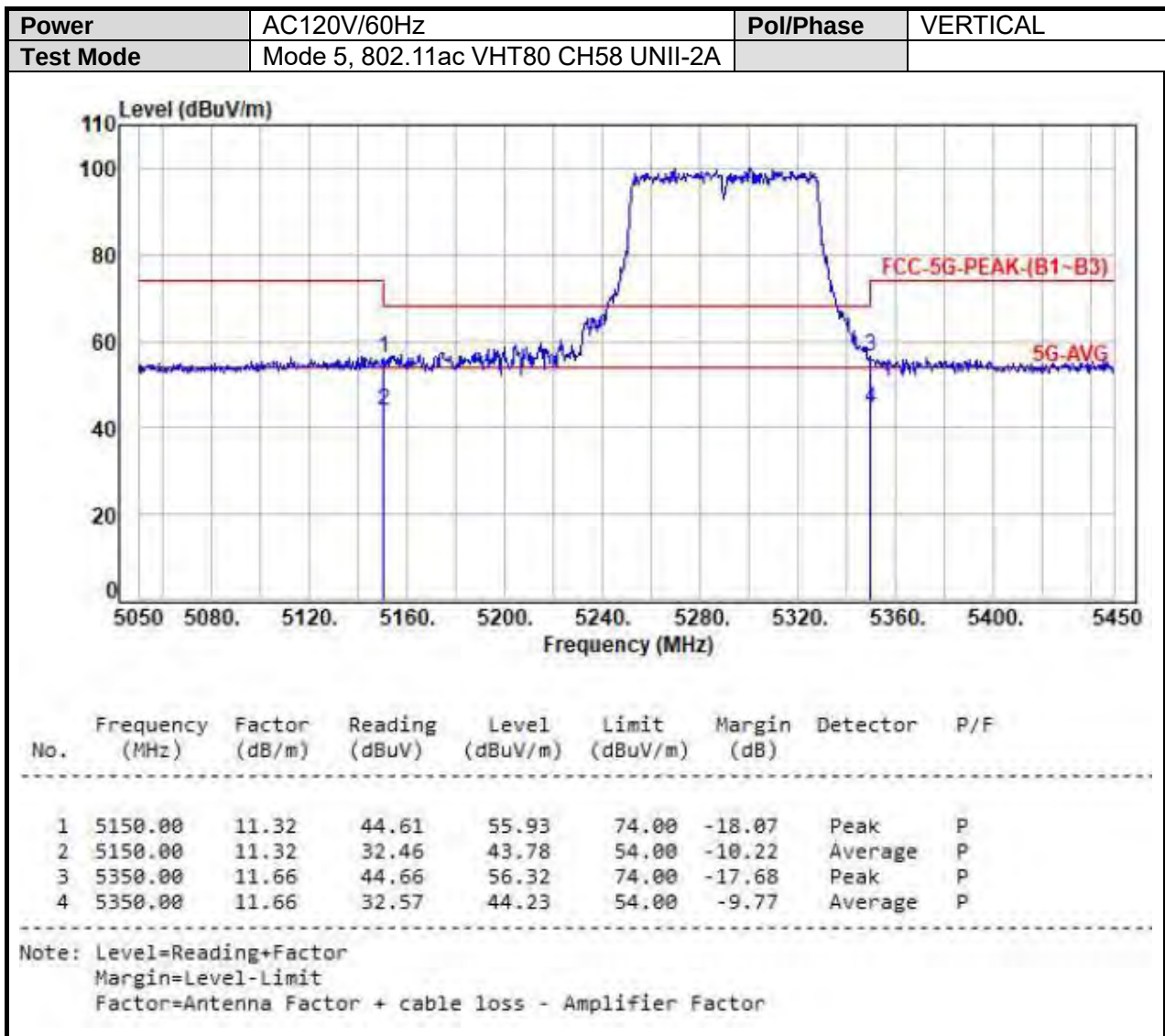


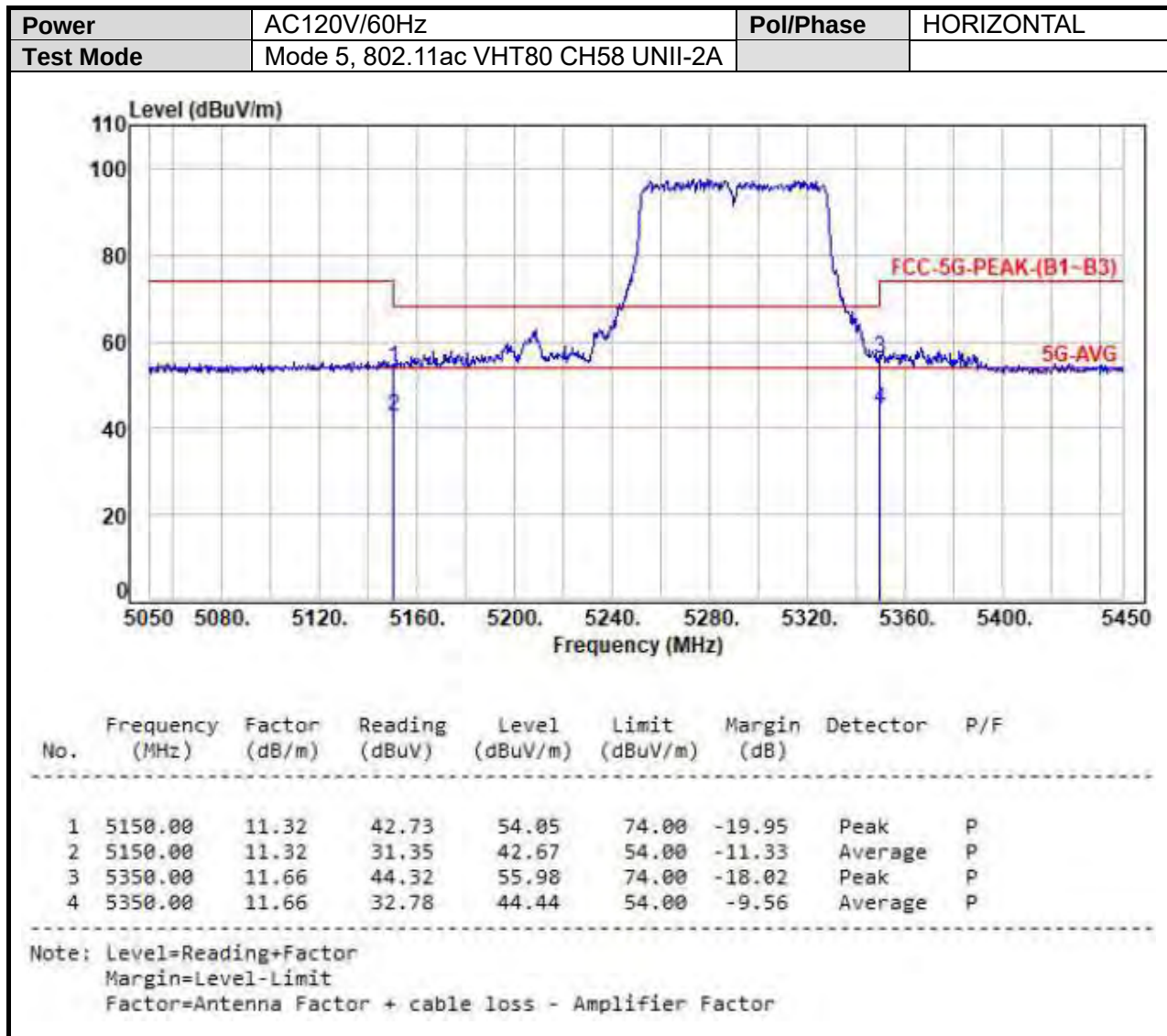


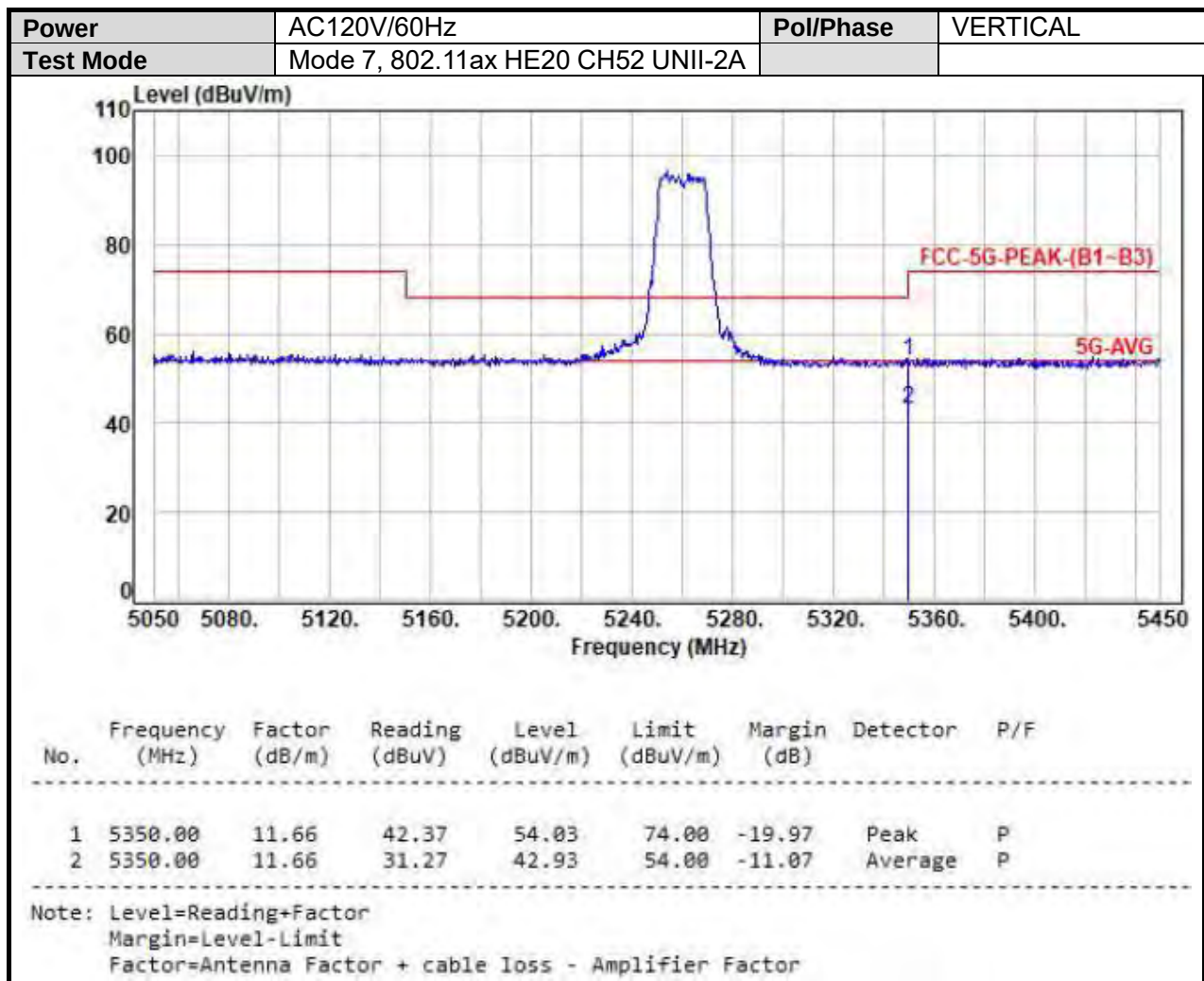


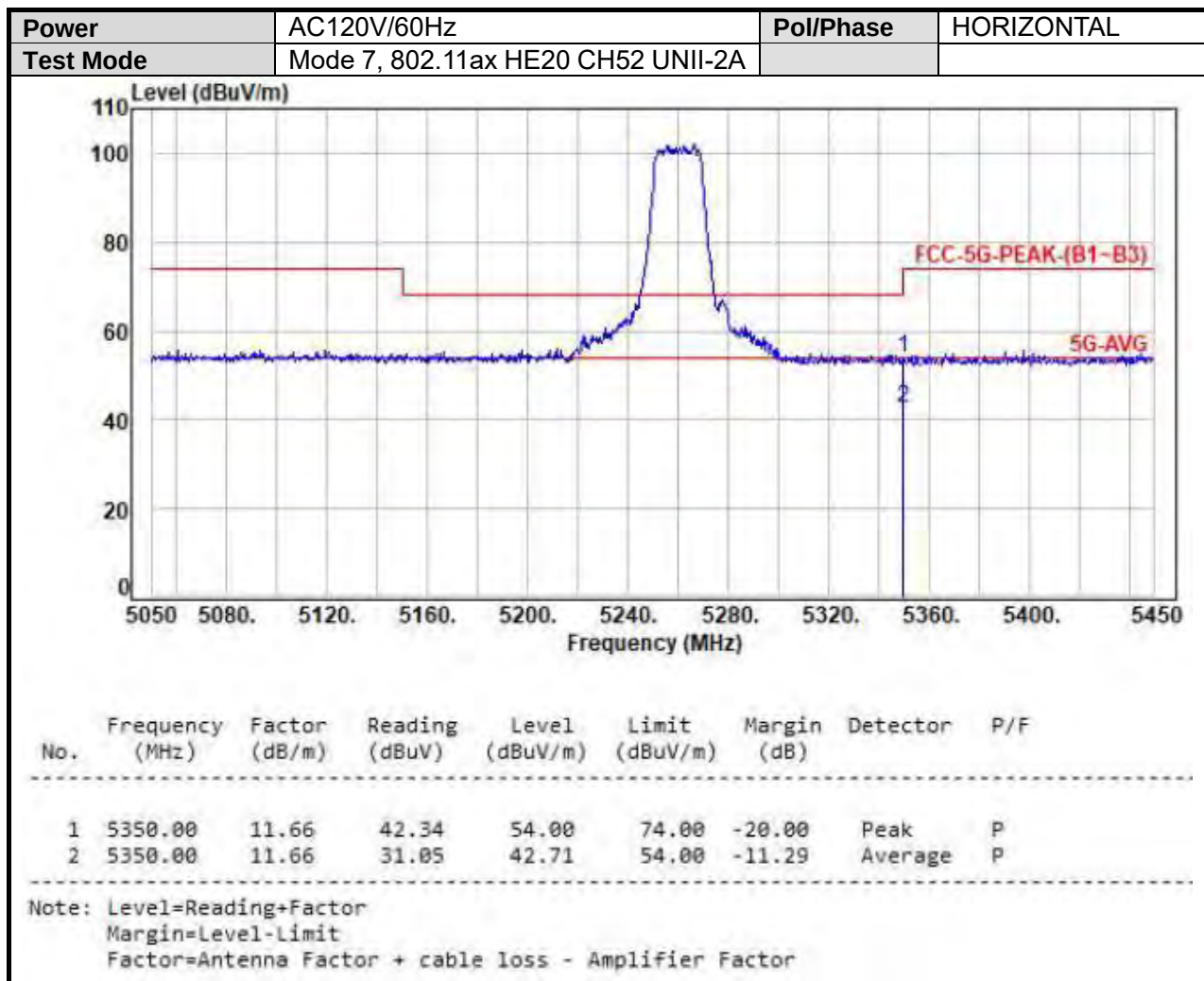


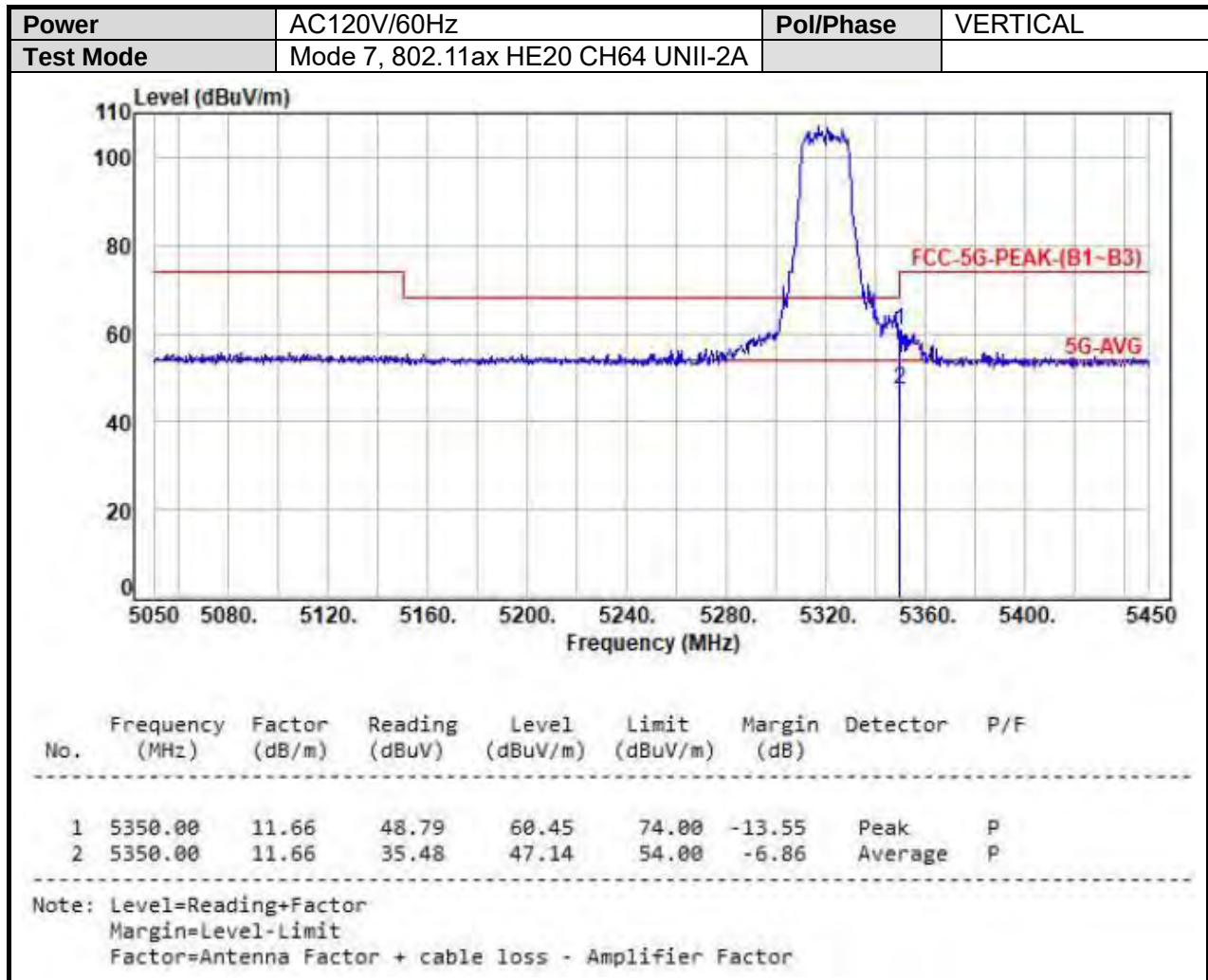


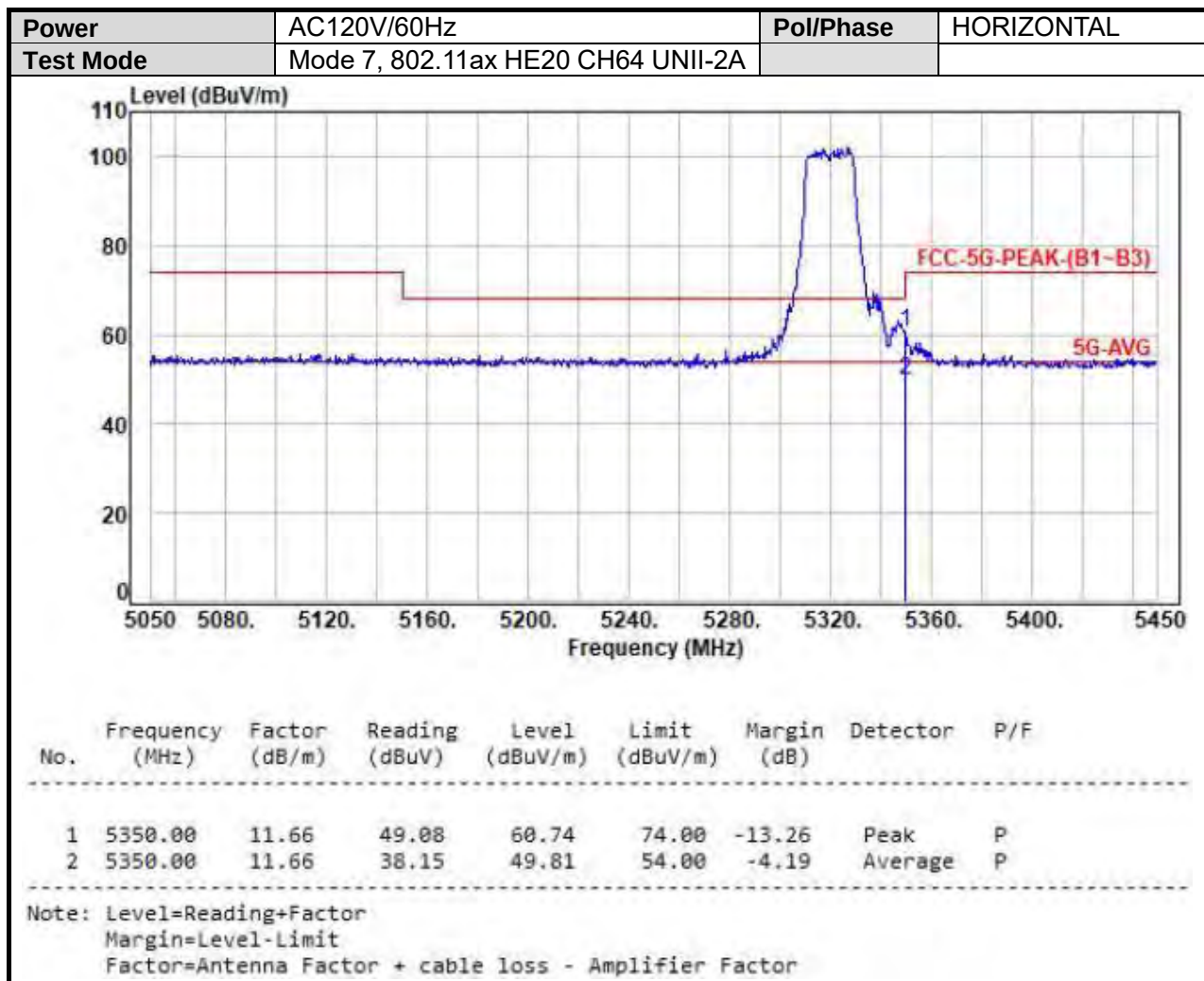


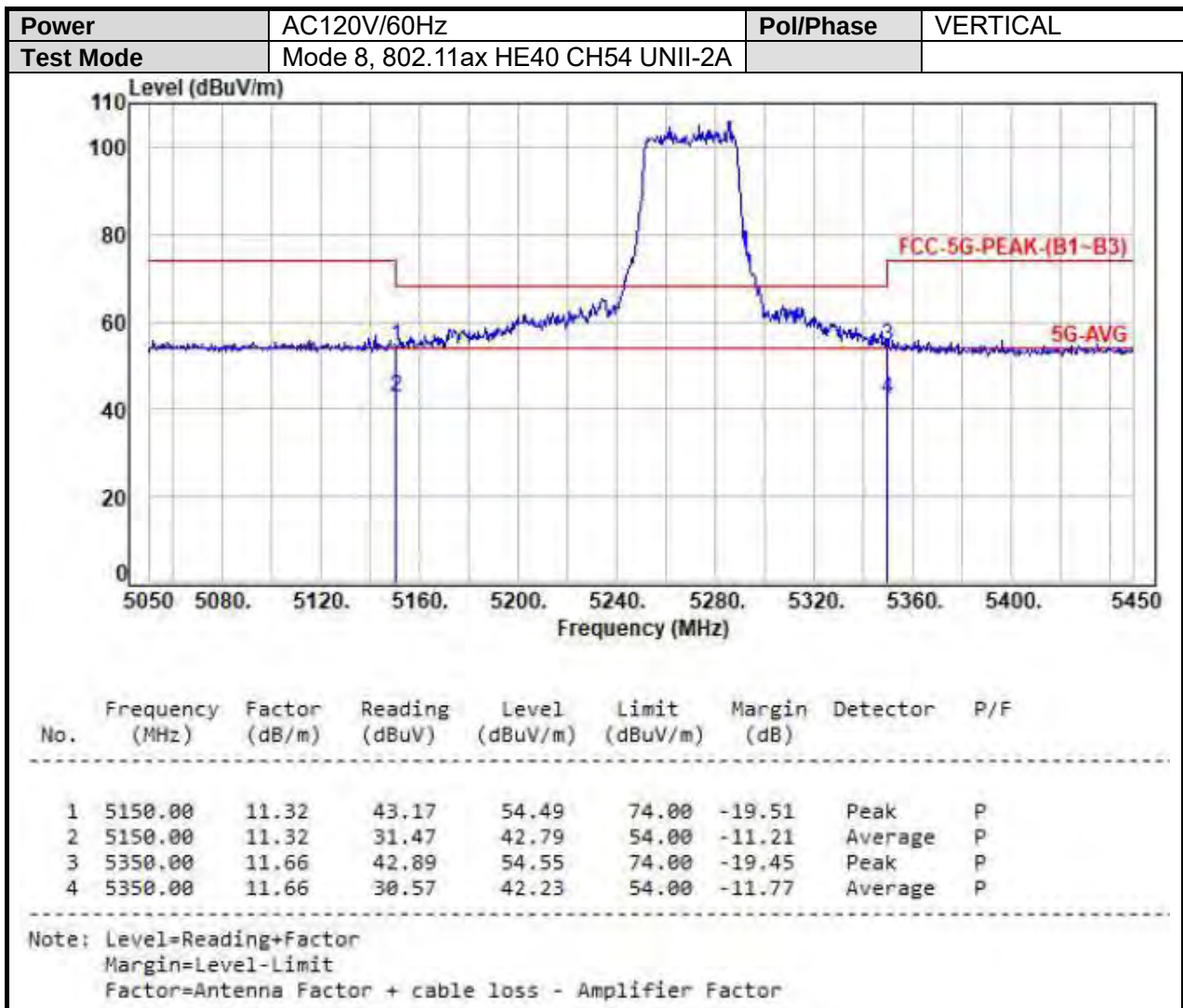


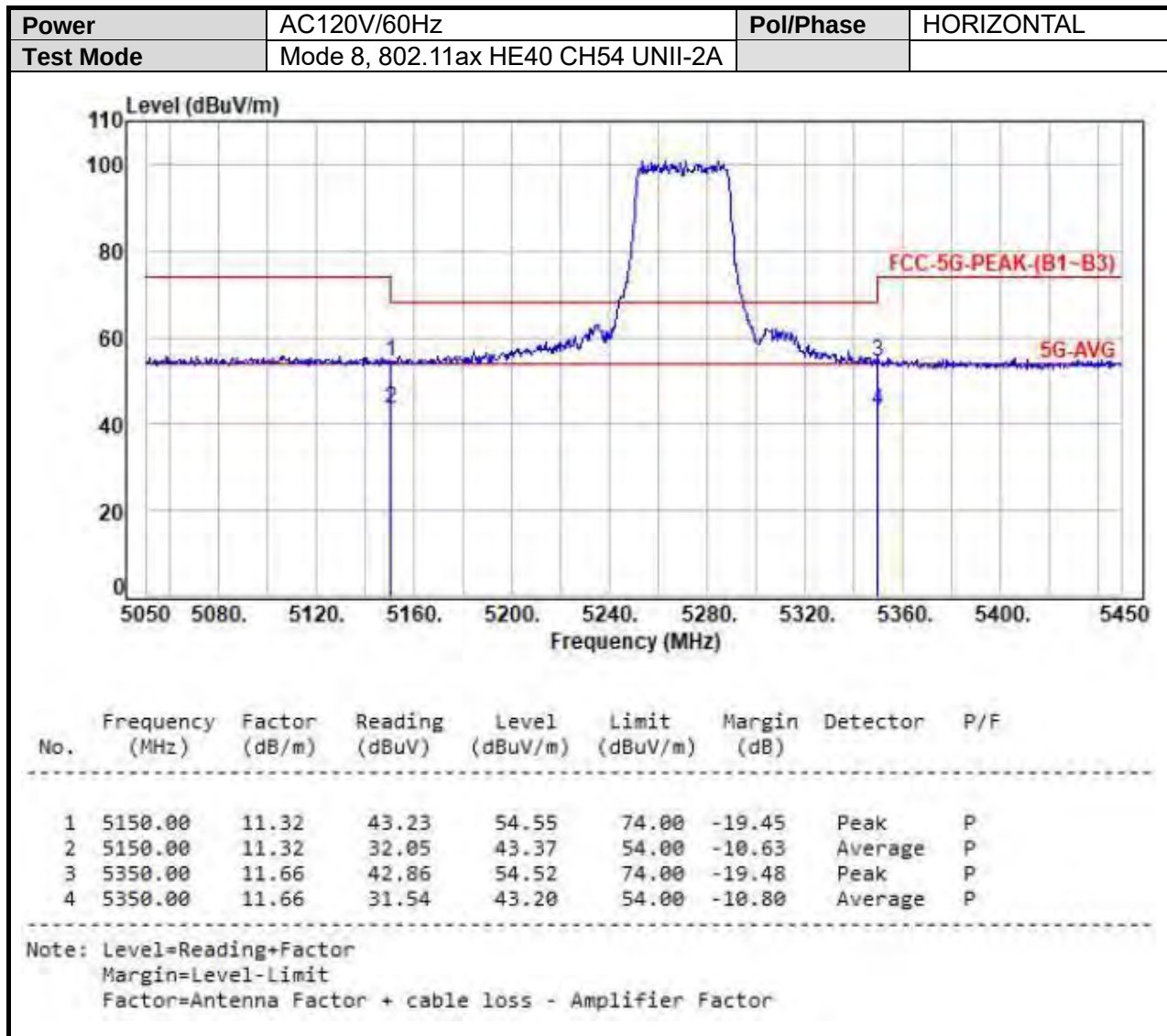


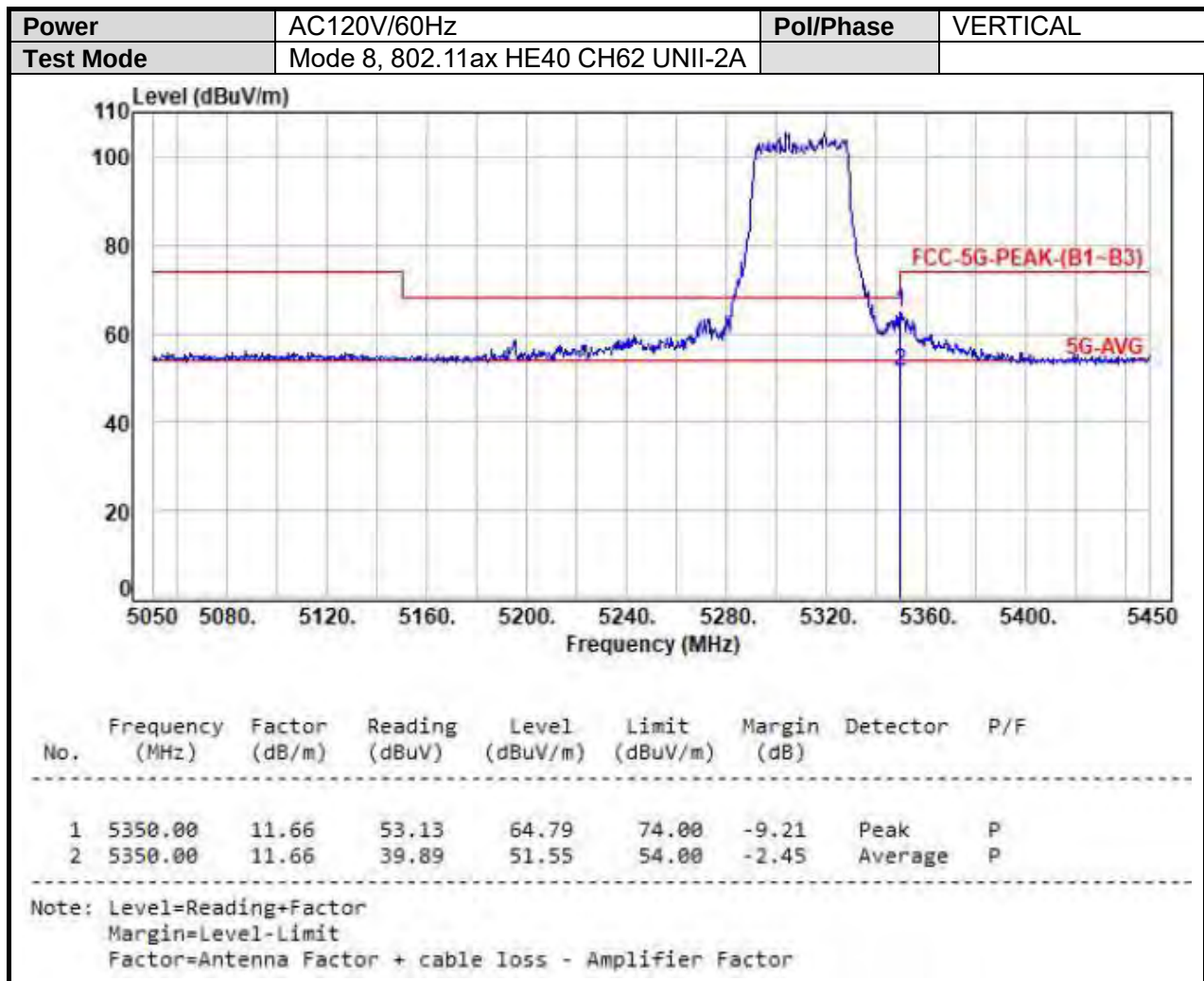


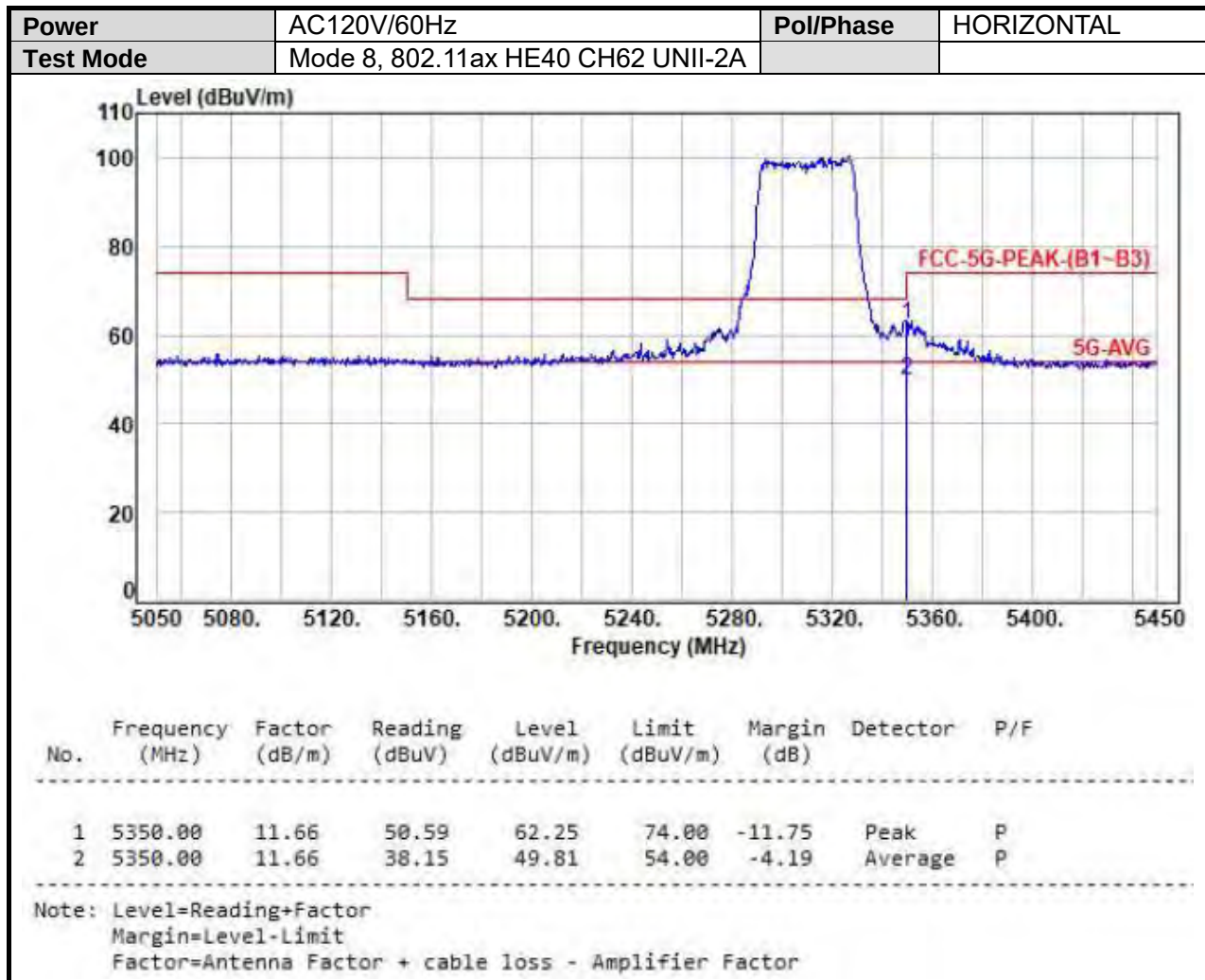


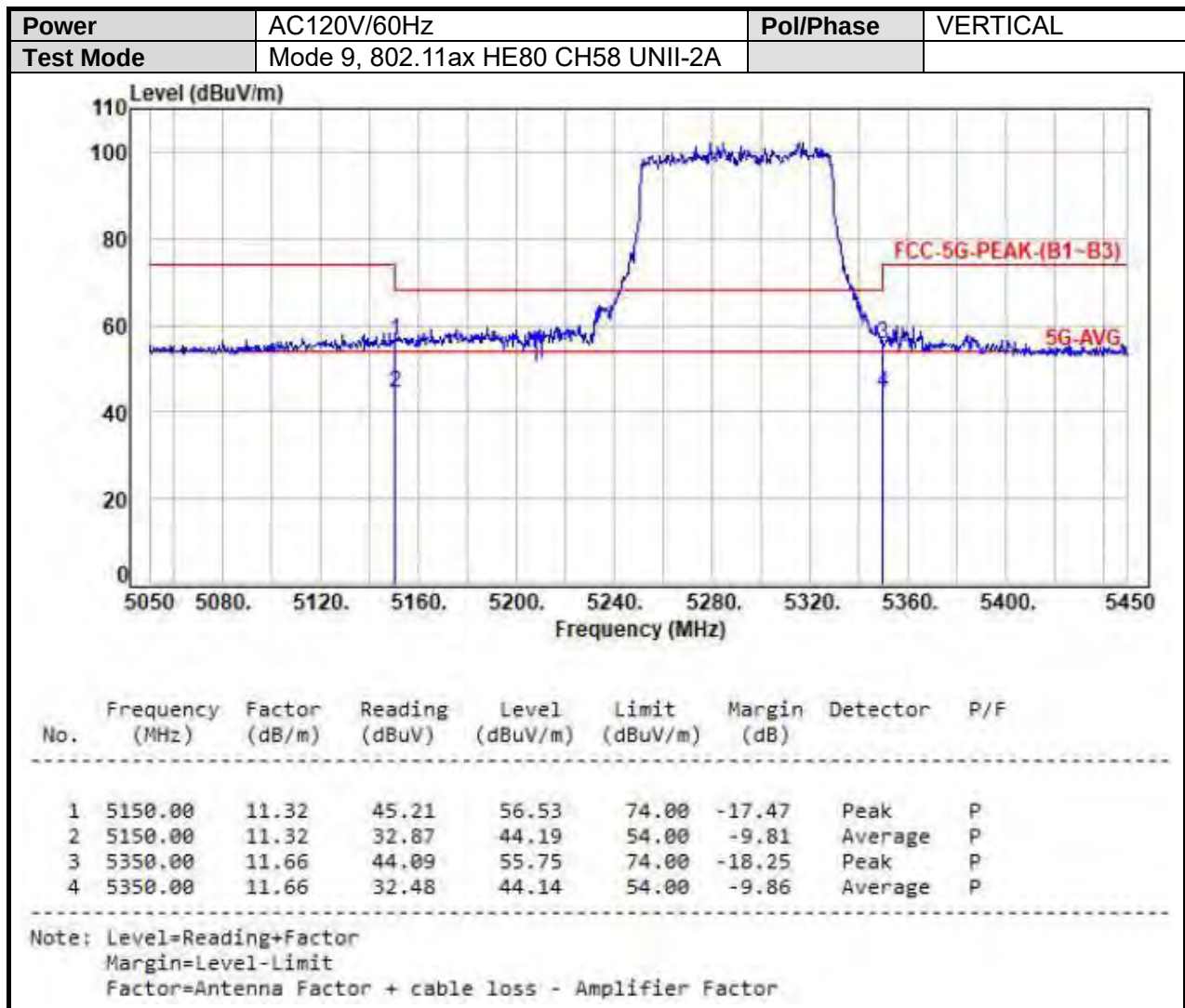


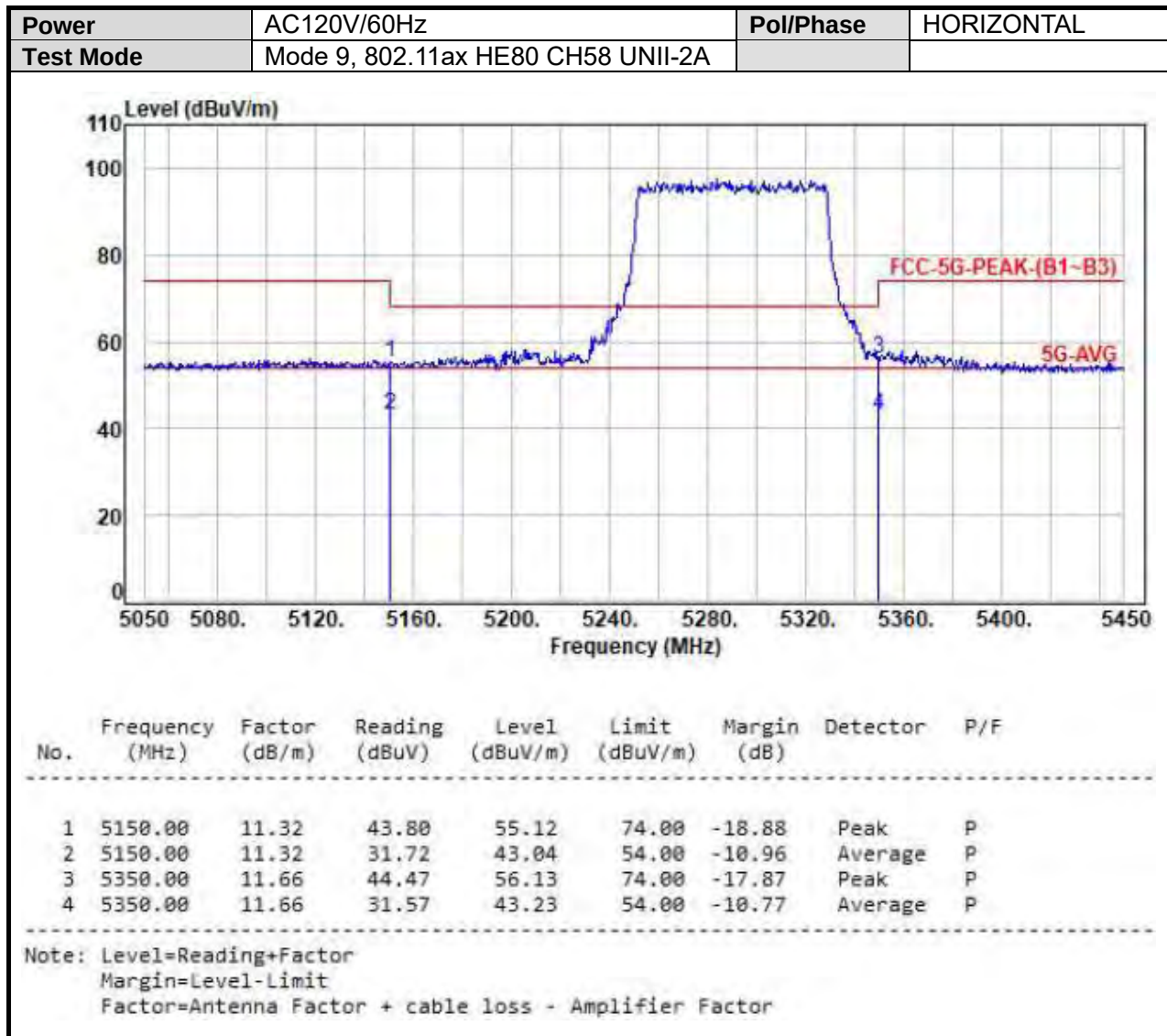






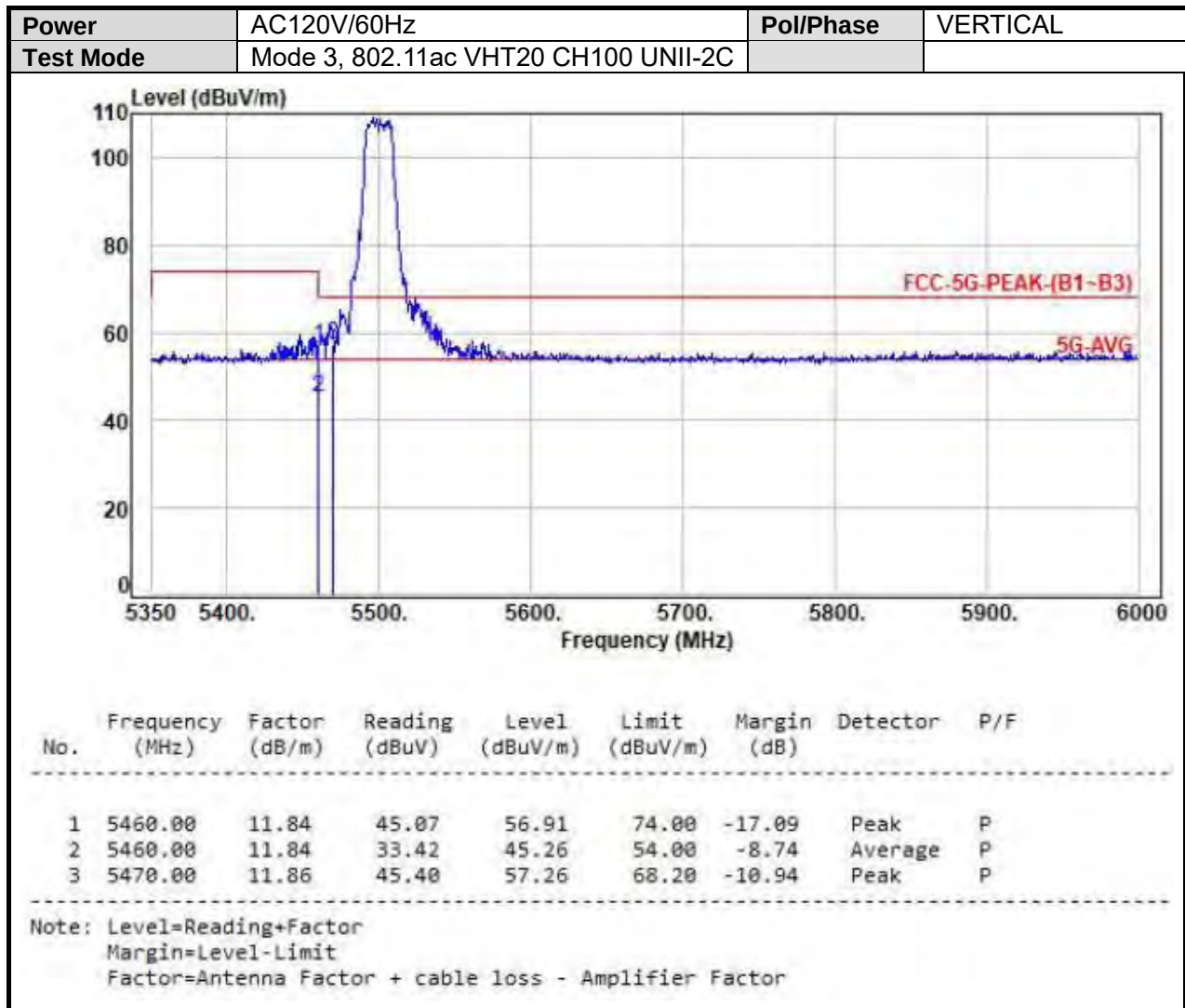


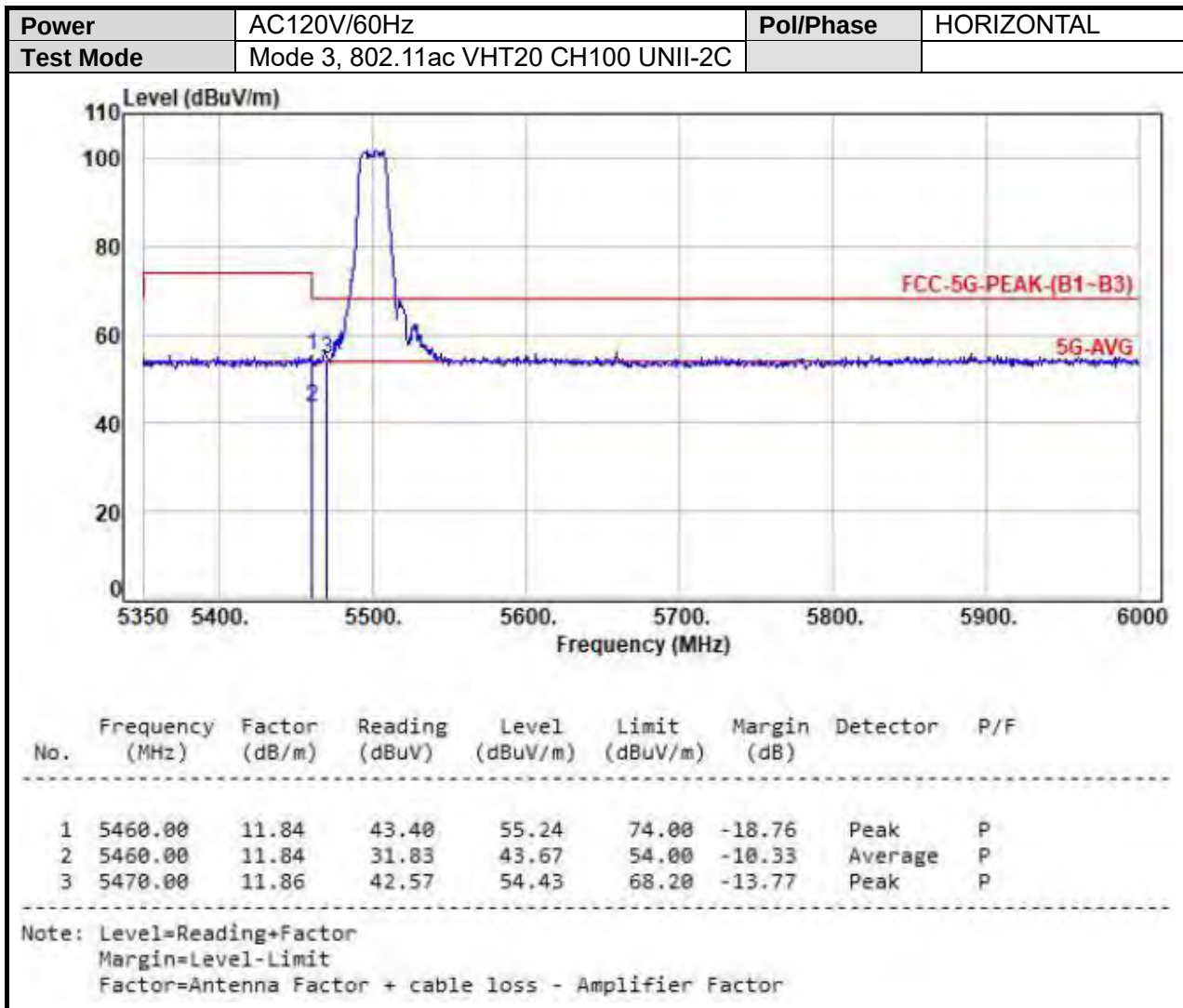


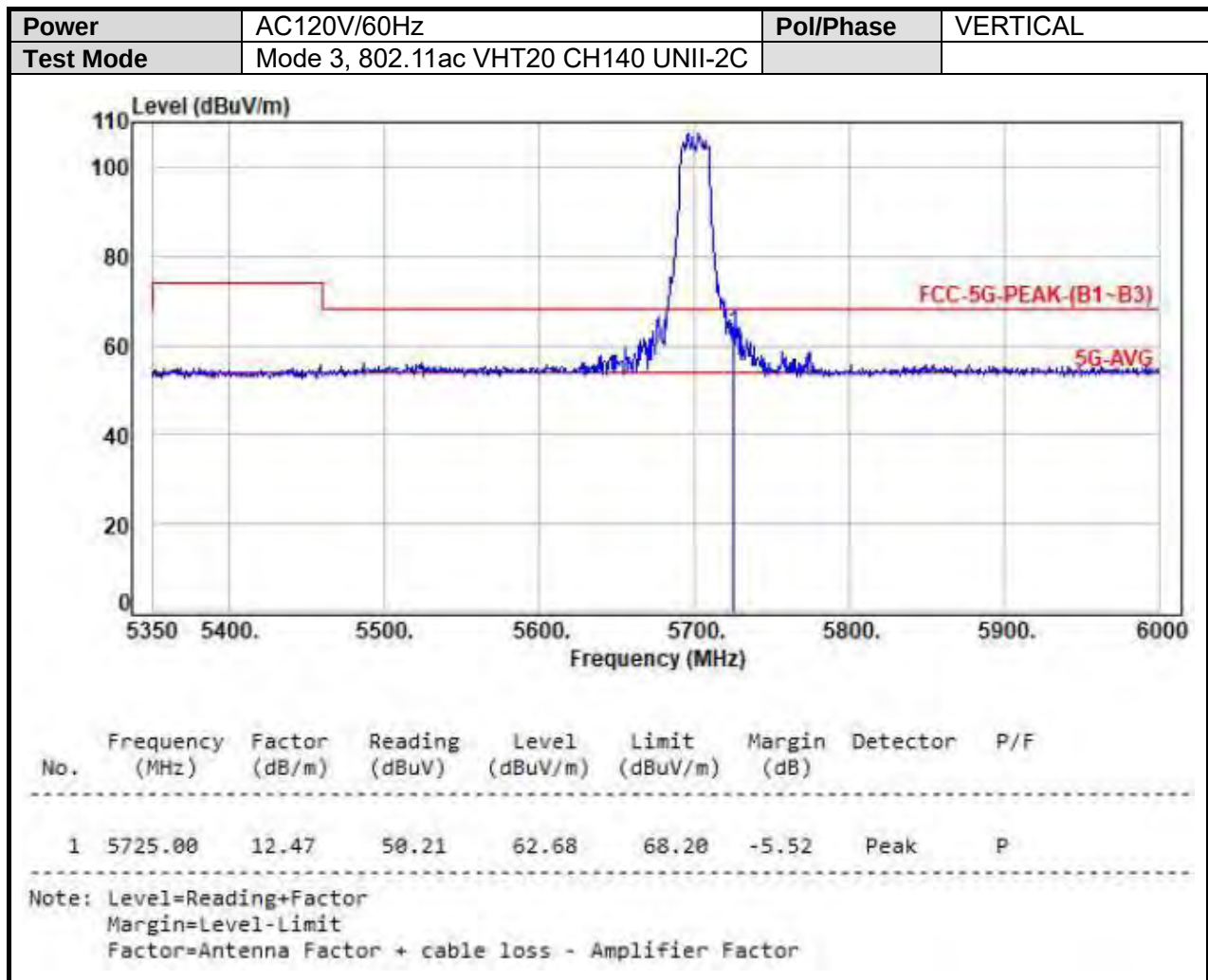


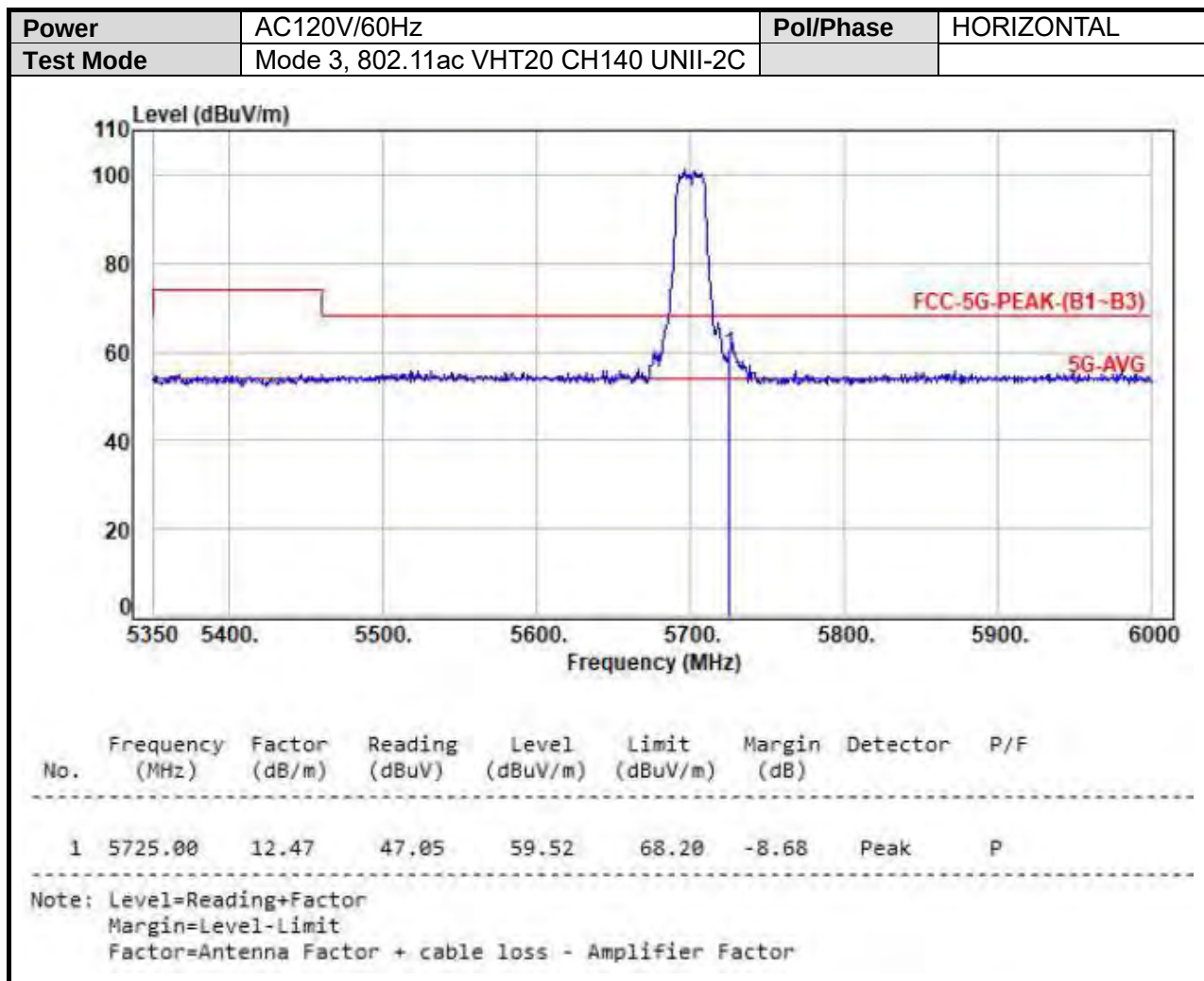


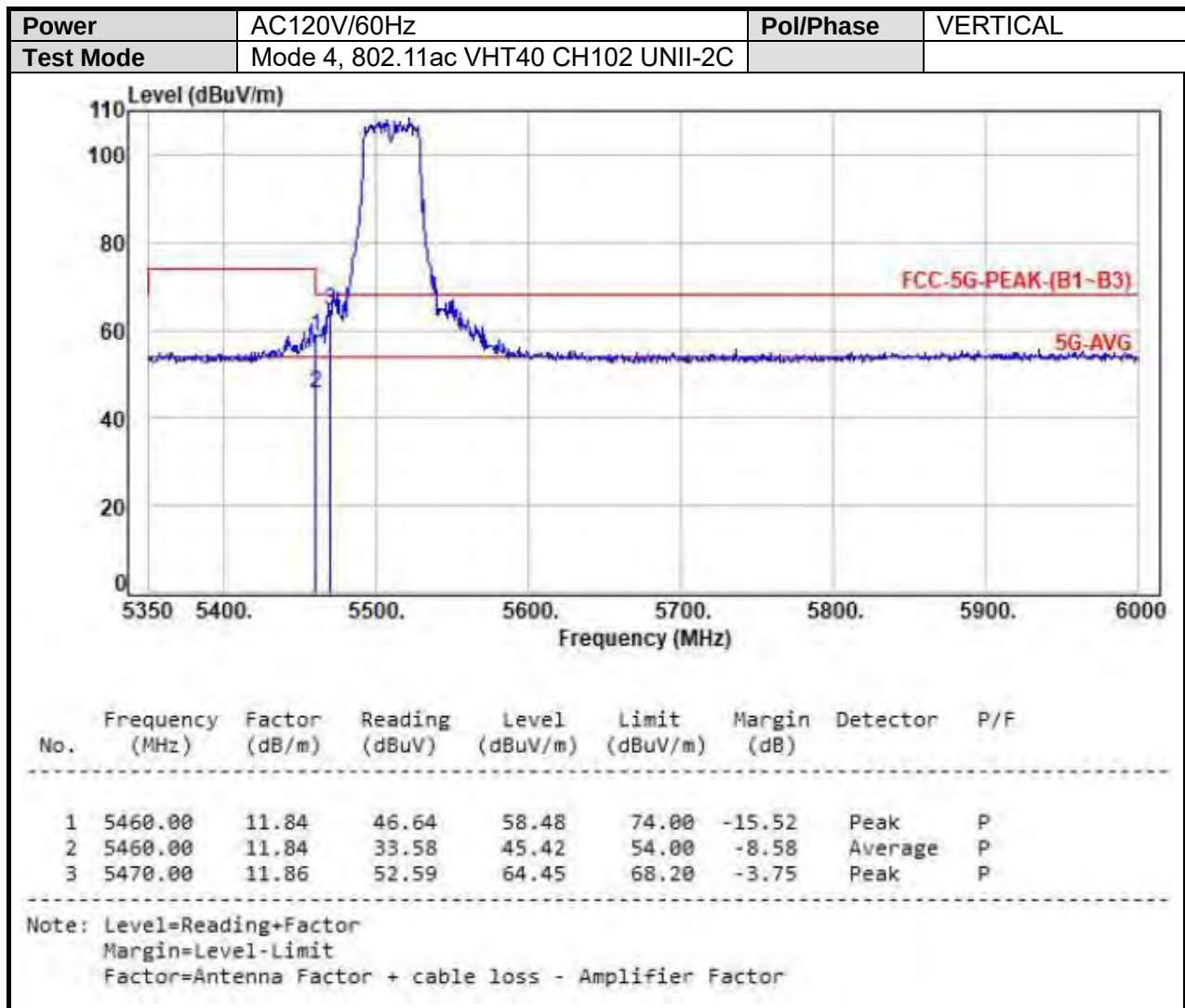
UNII-2C

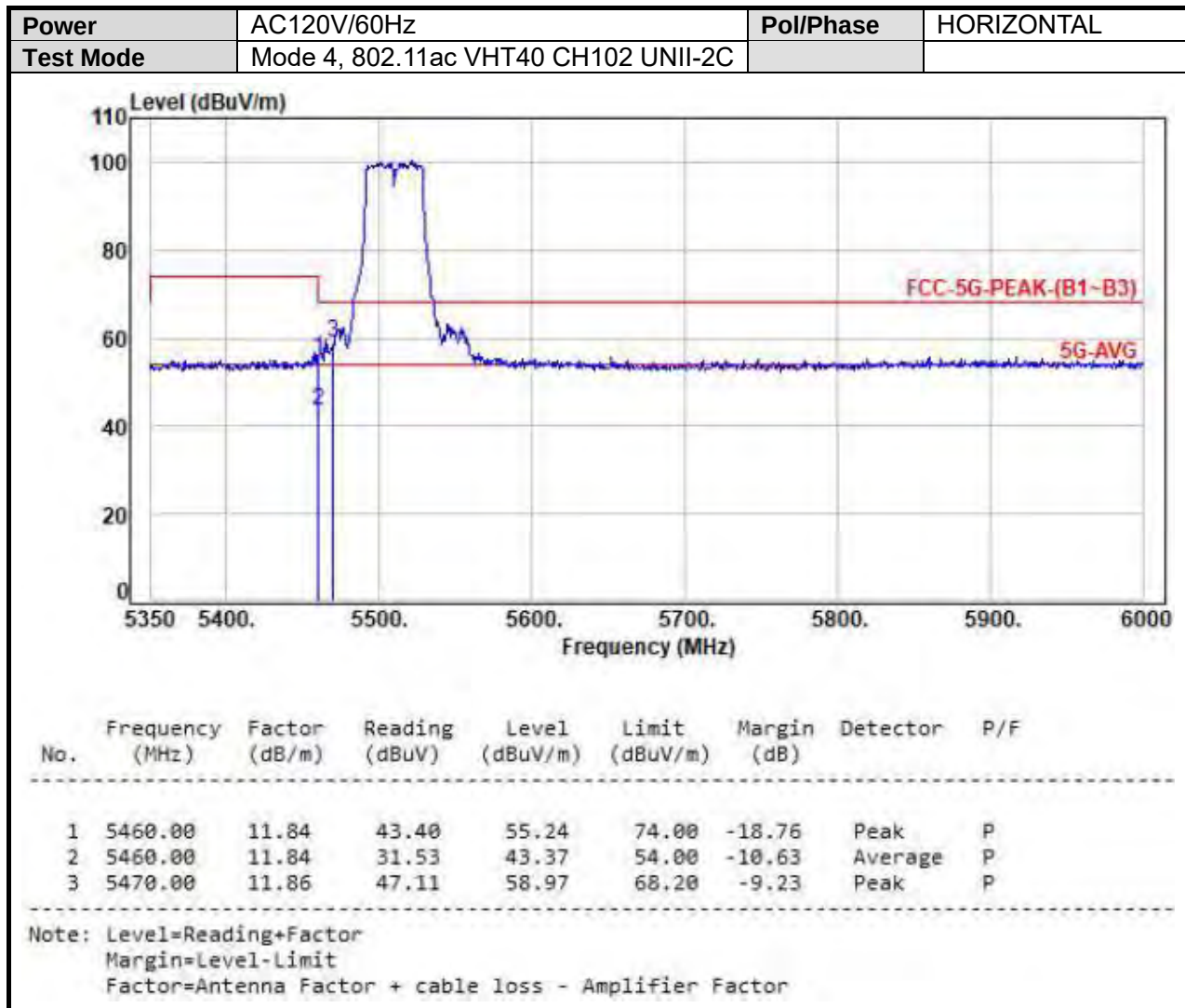


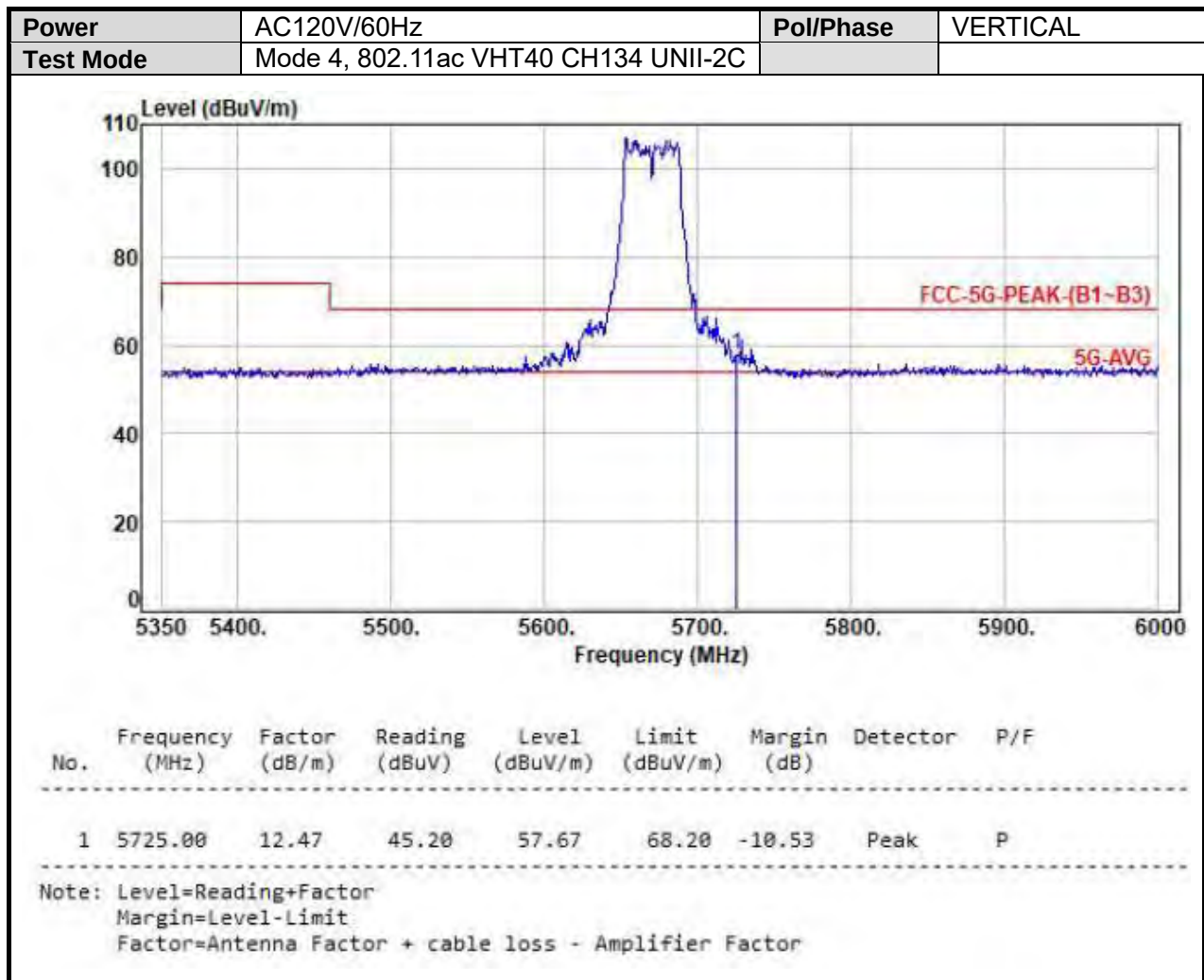


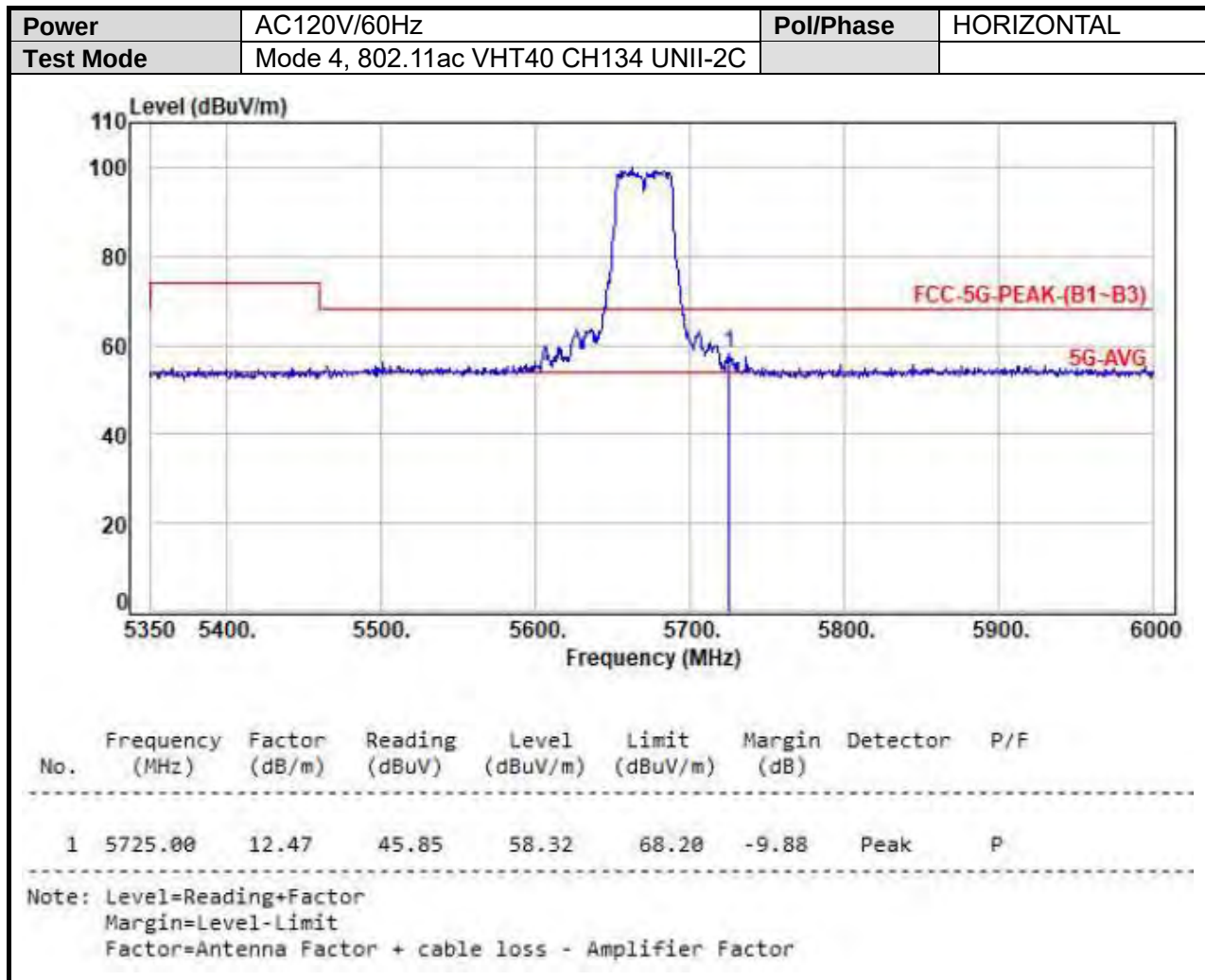


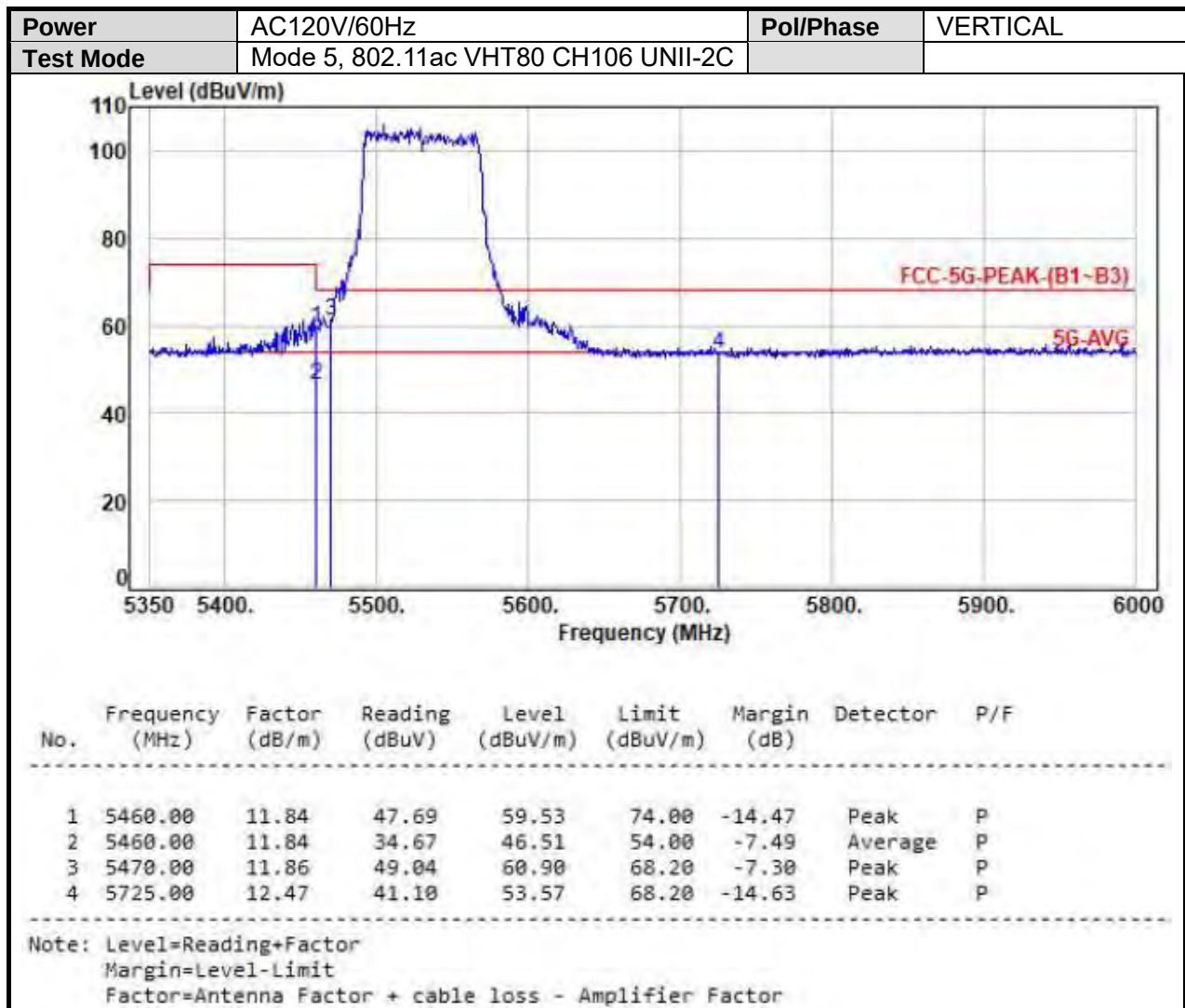


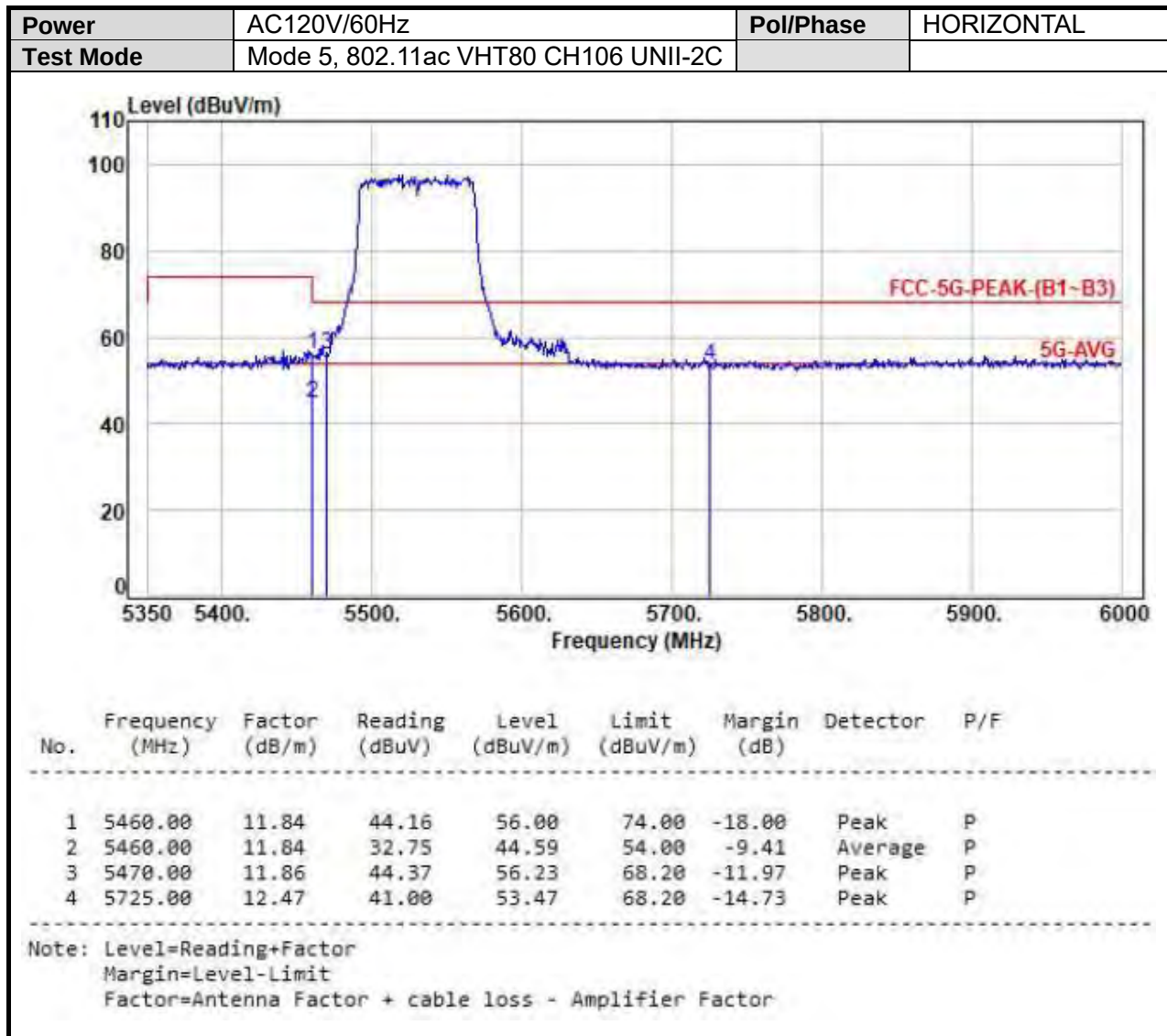


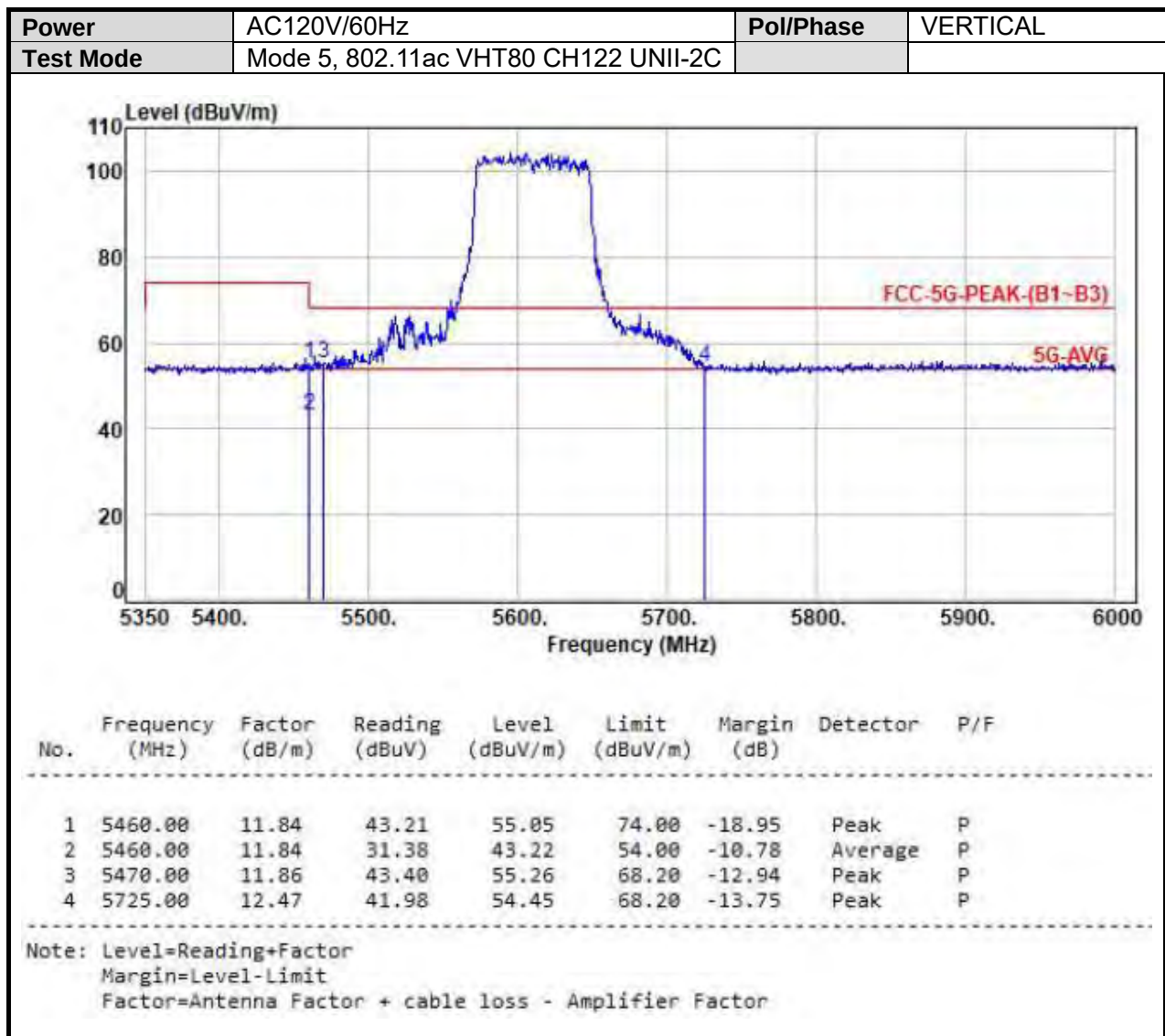


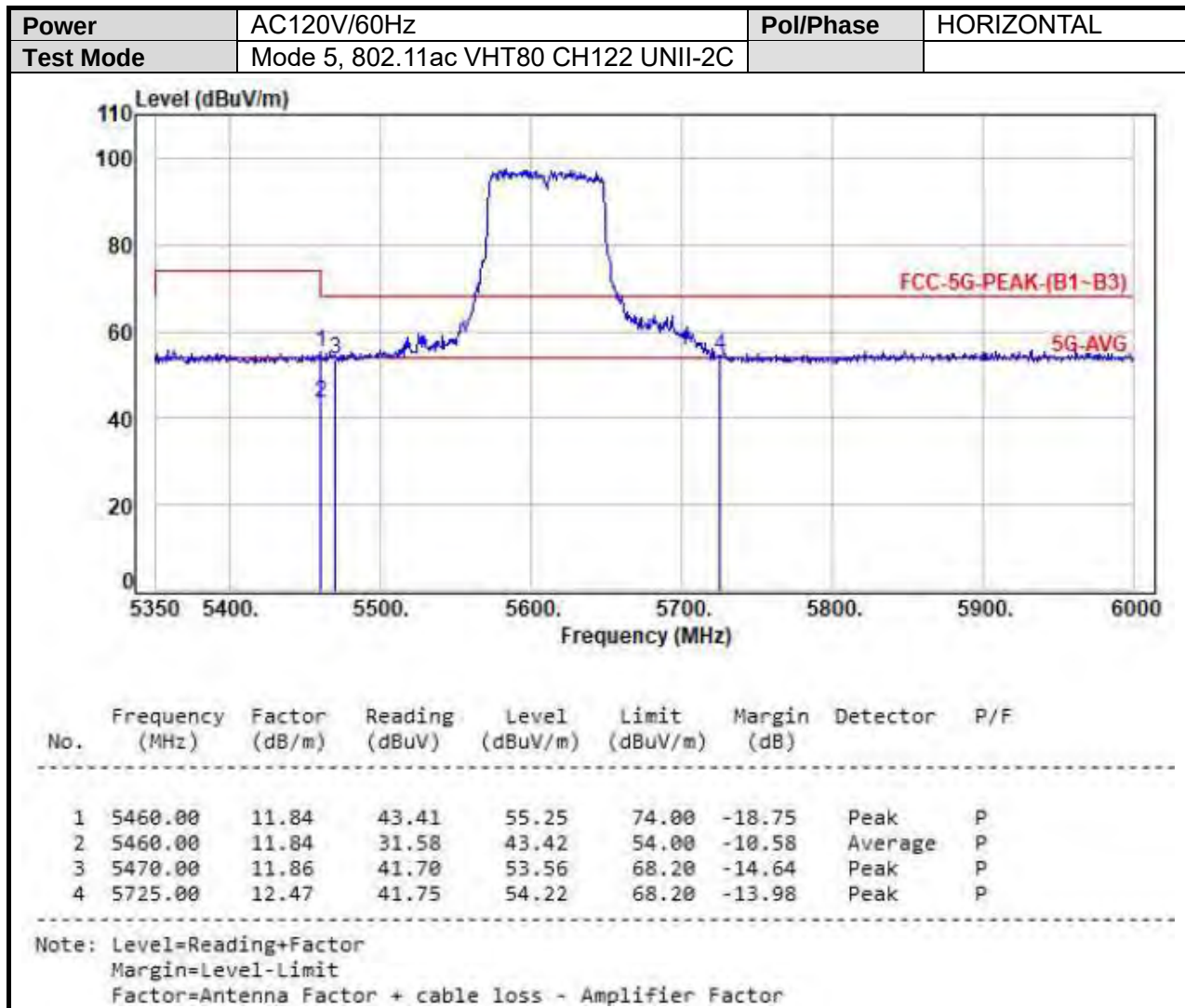


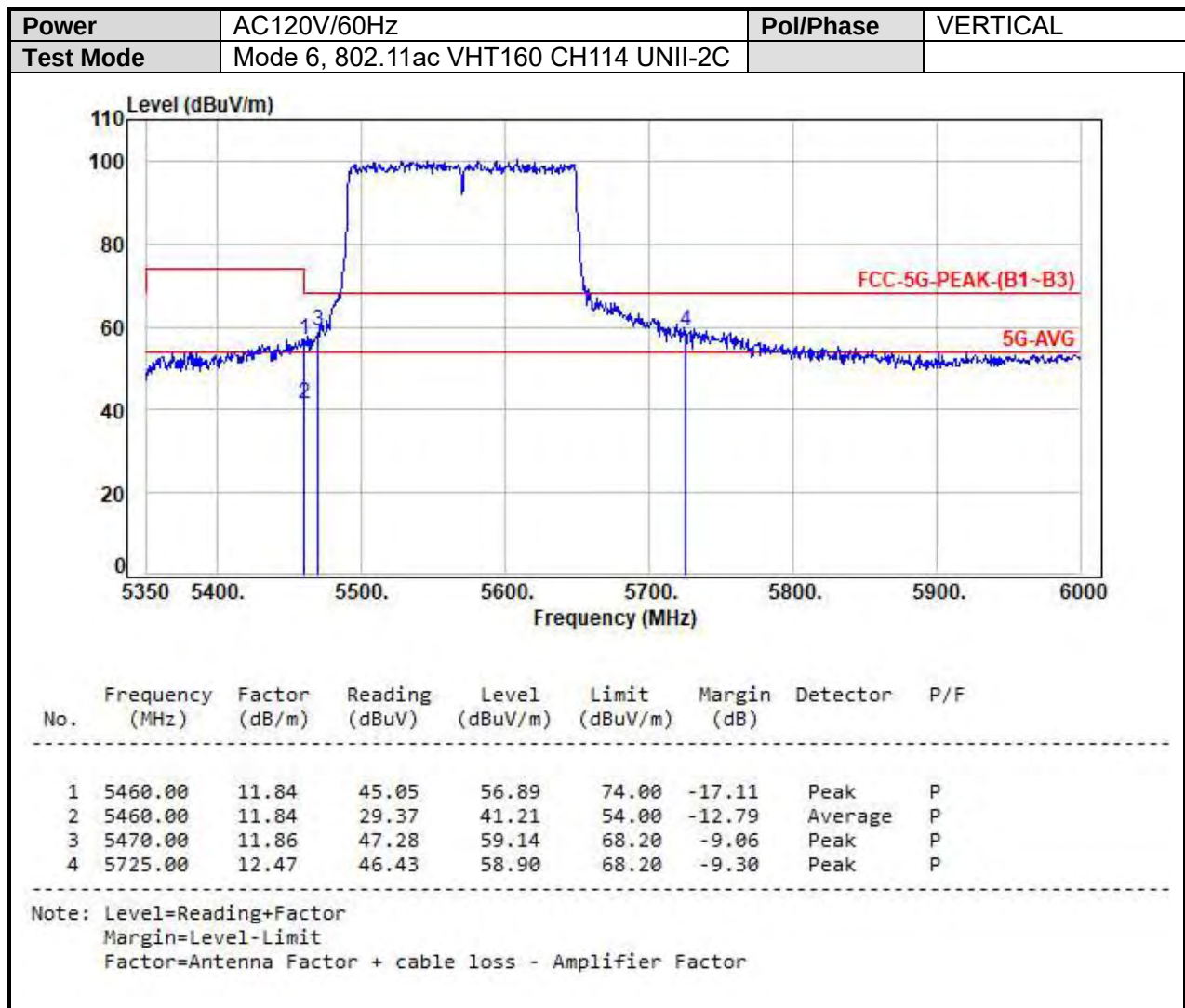


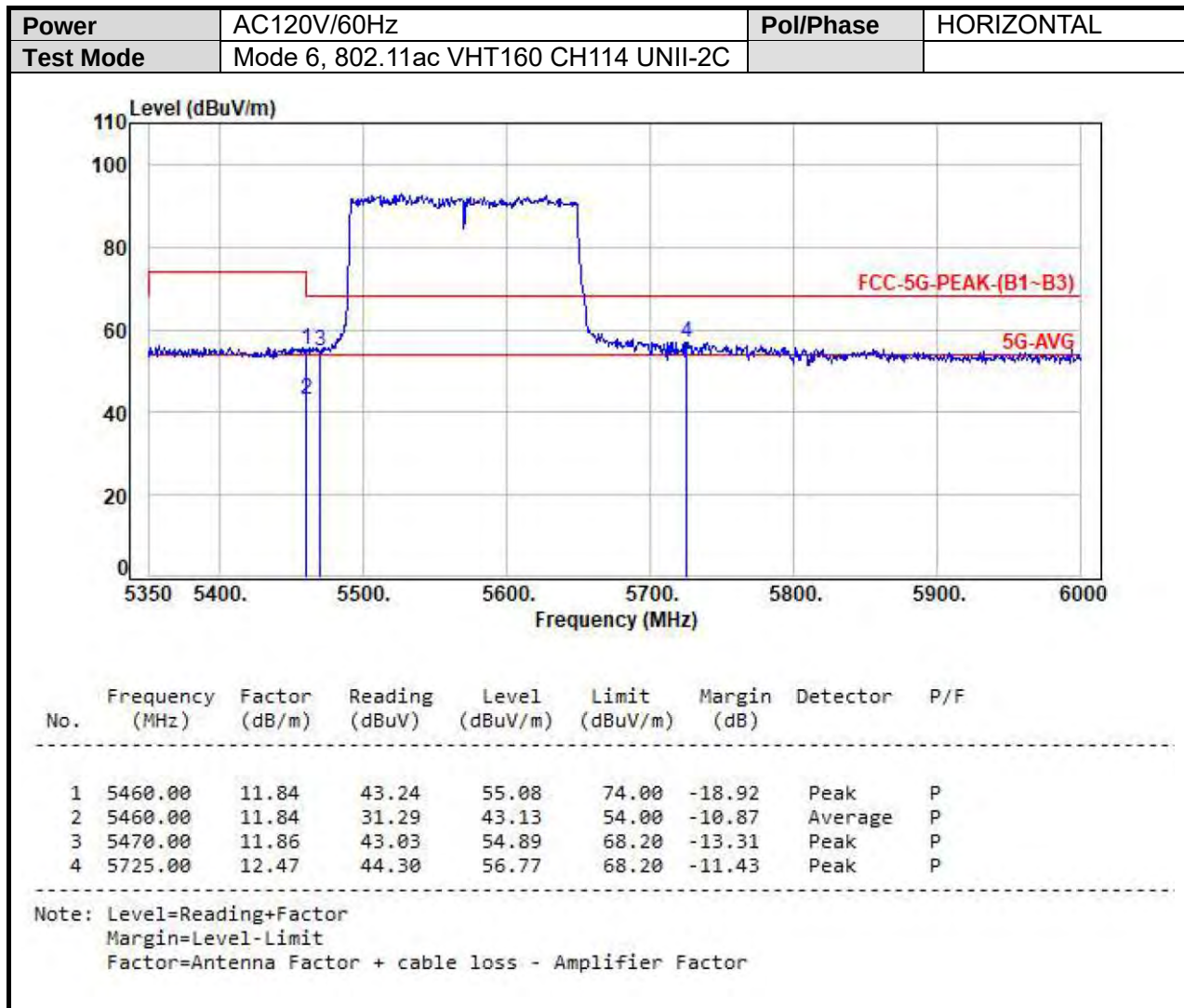


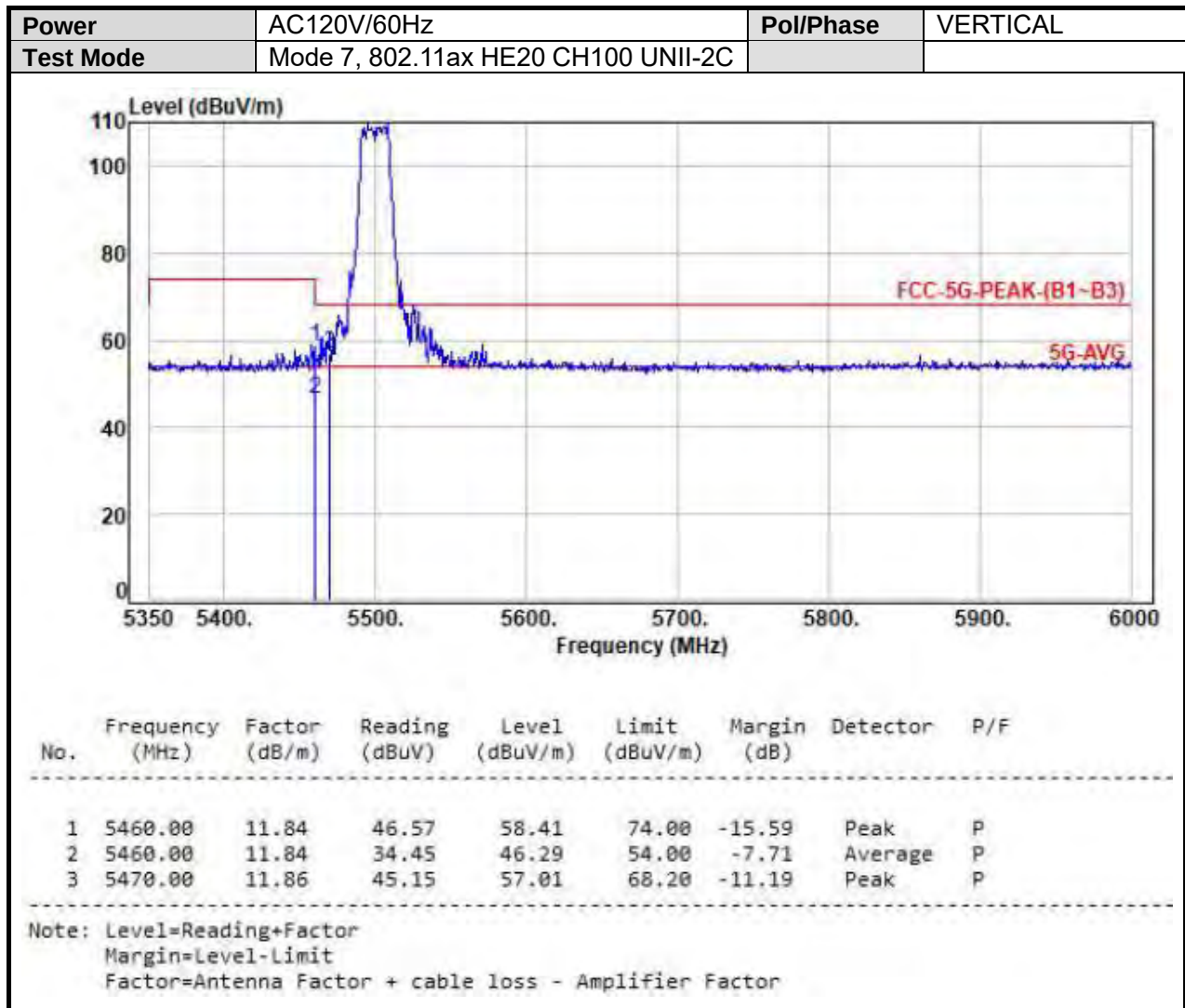


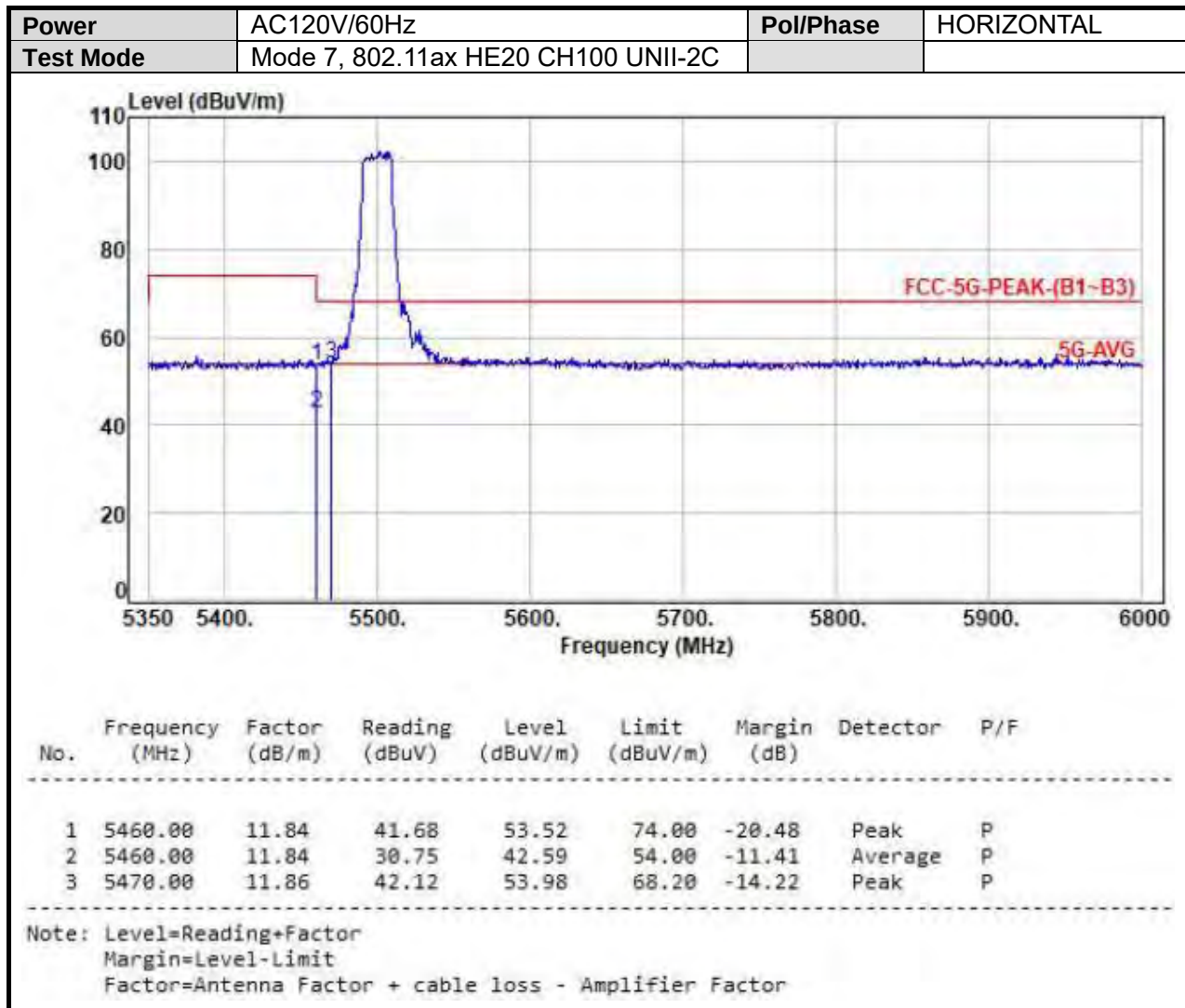


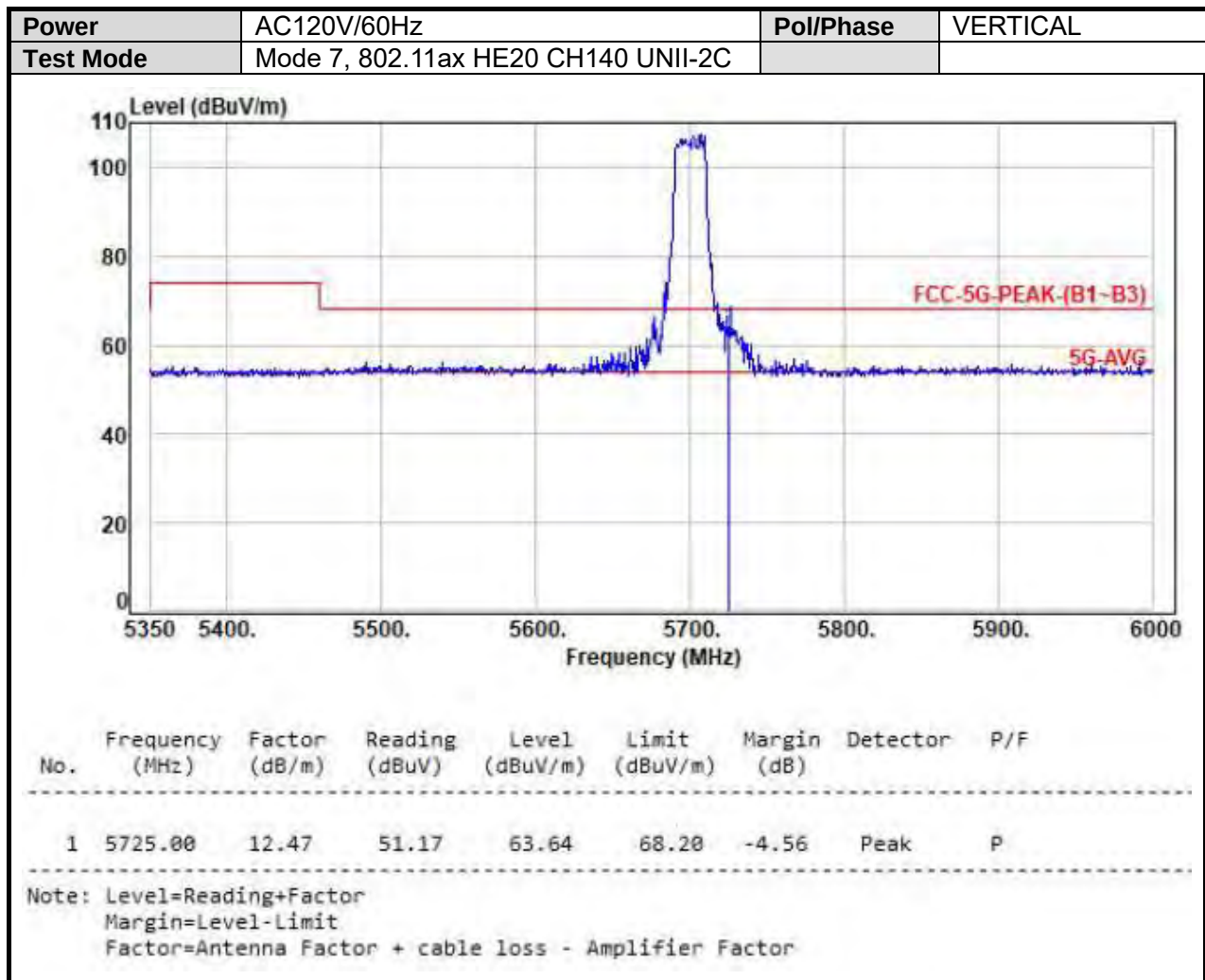


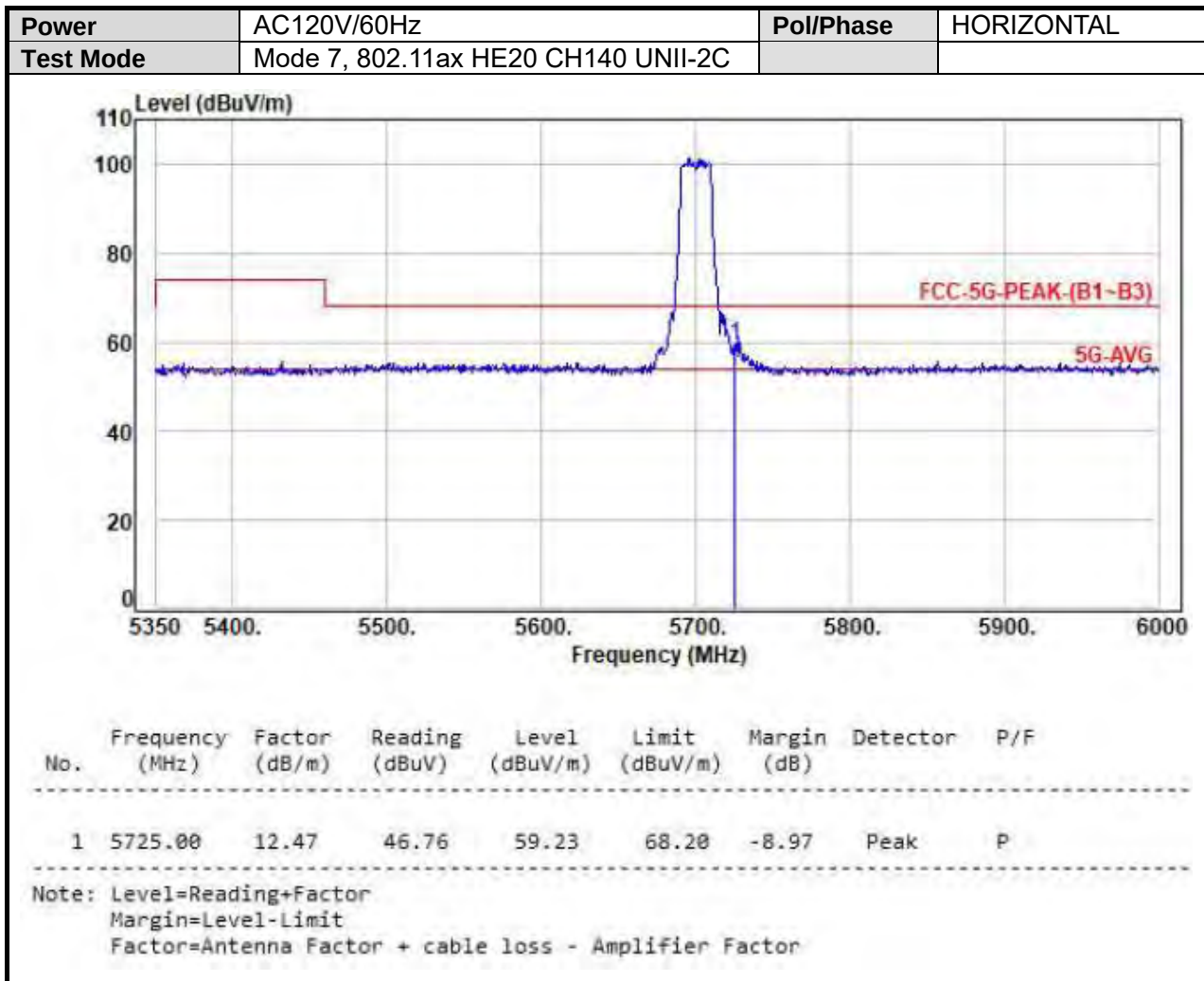


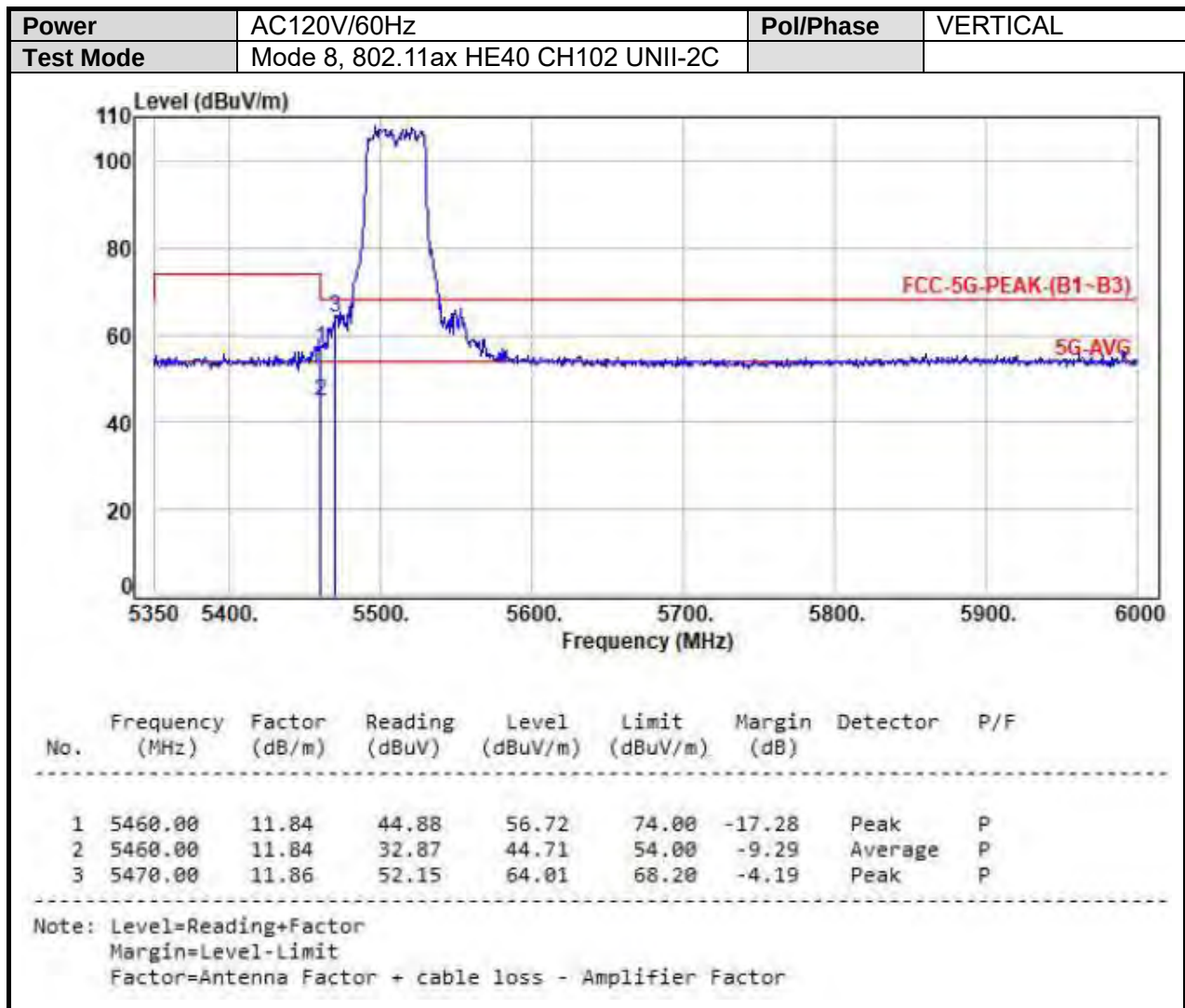


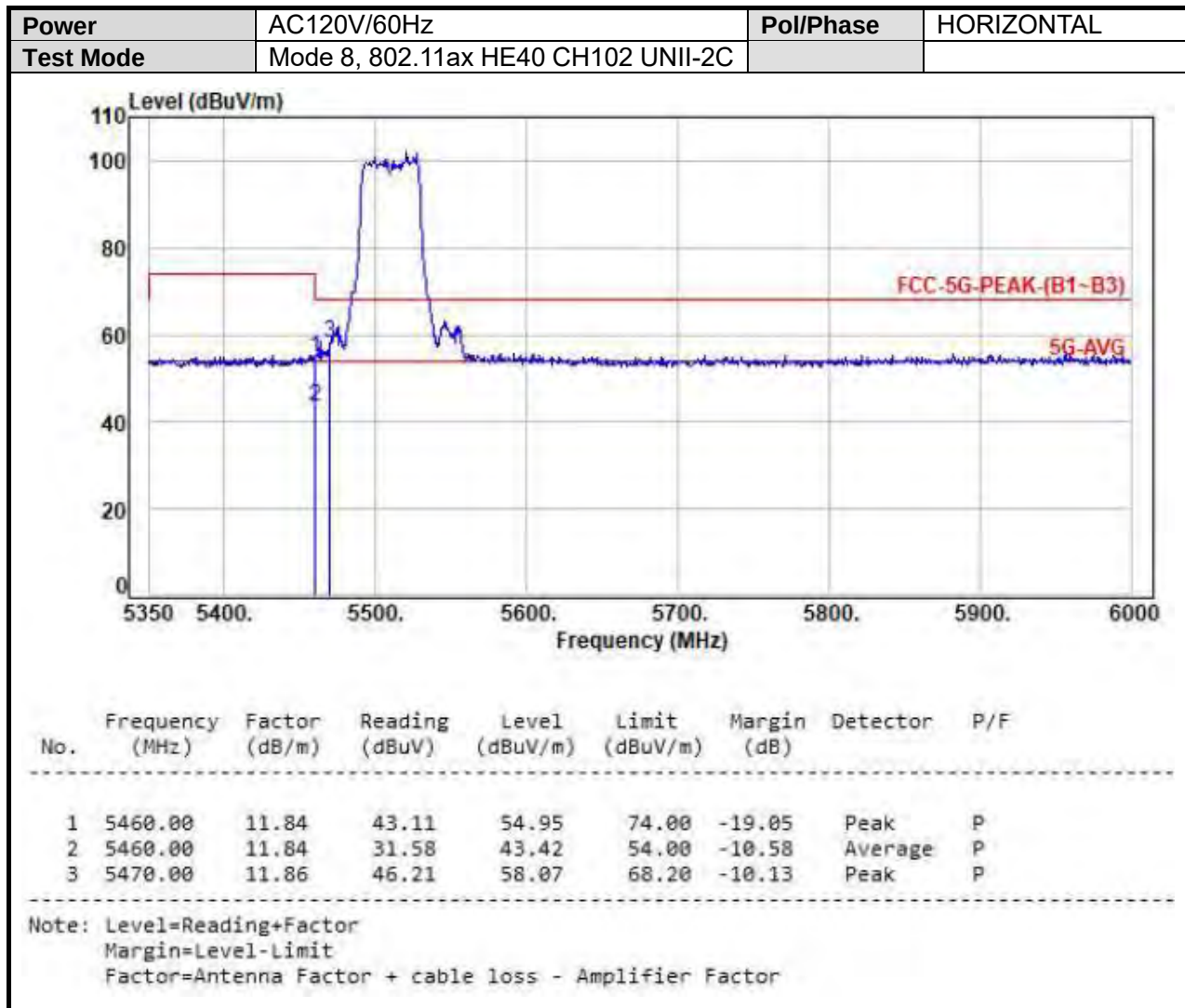


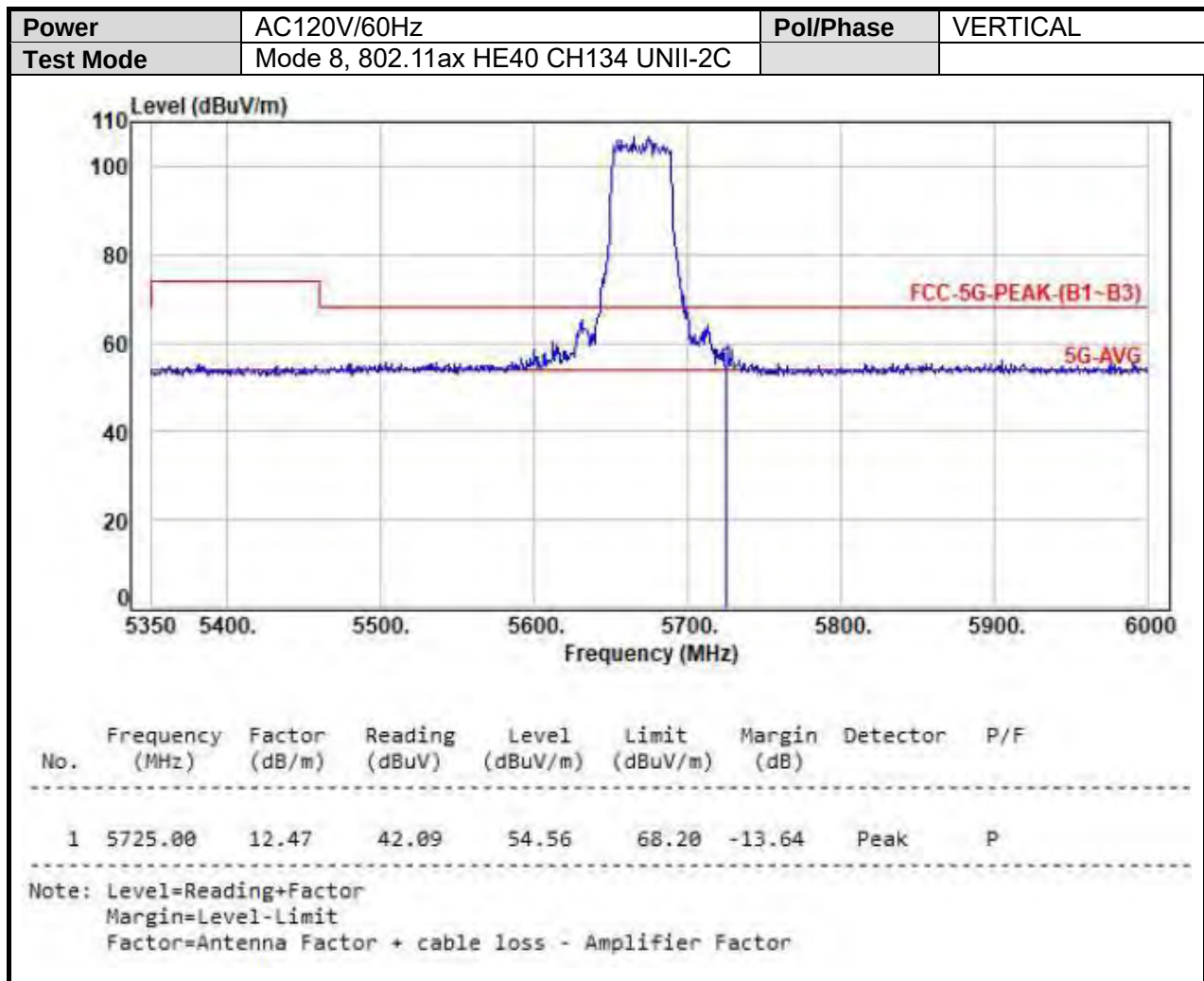


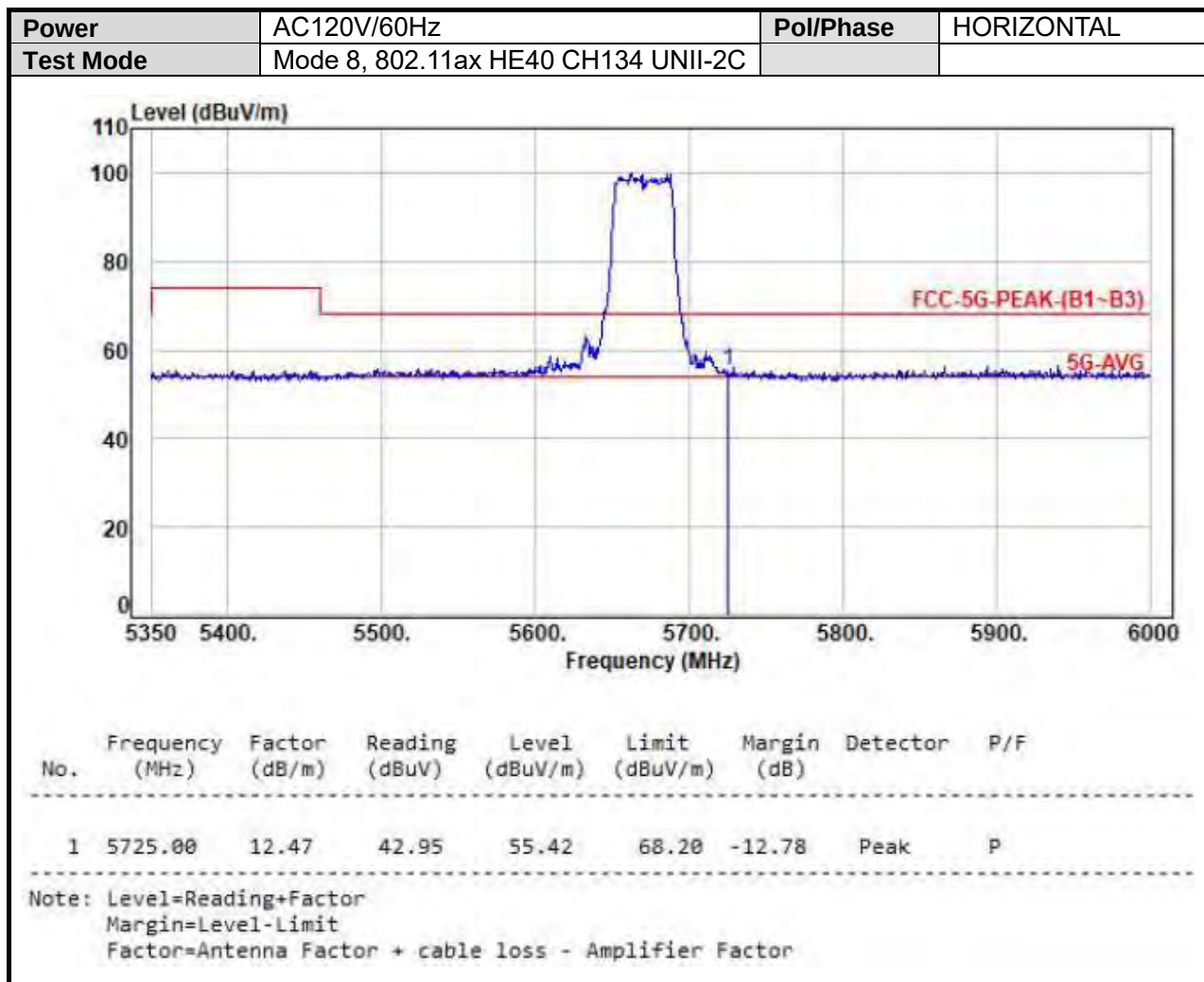


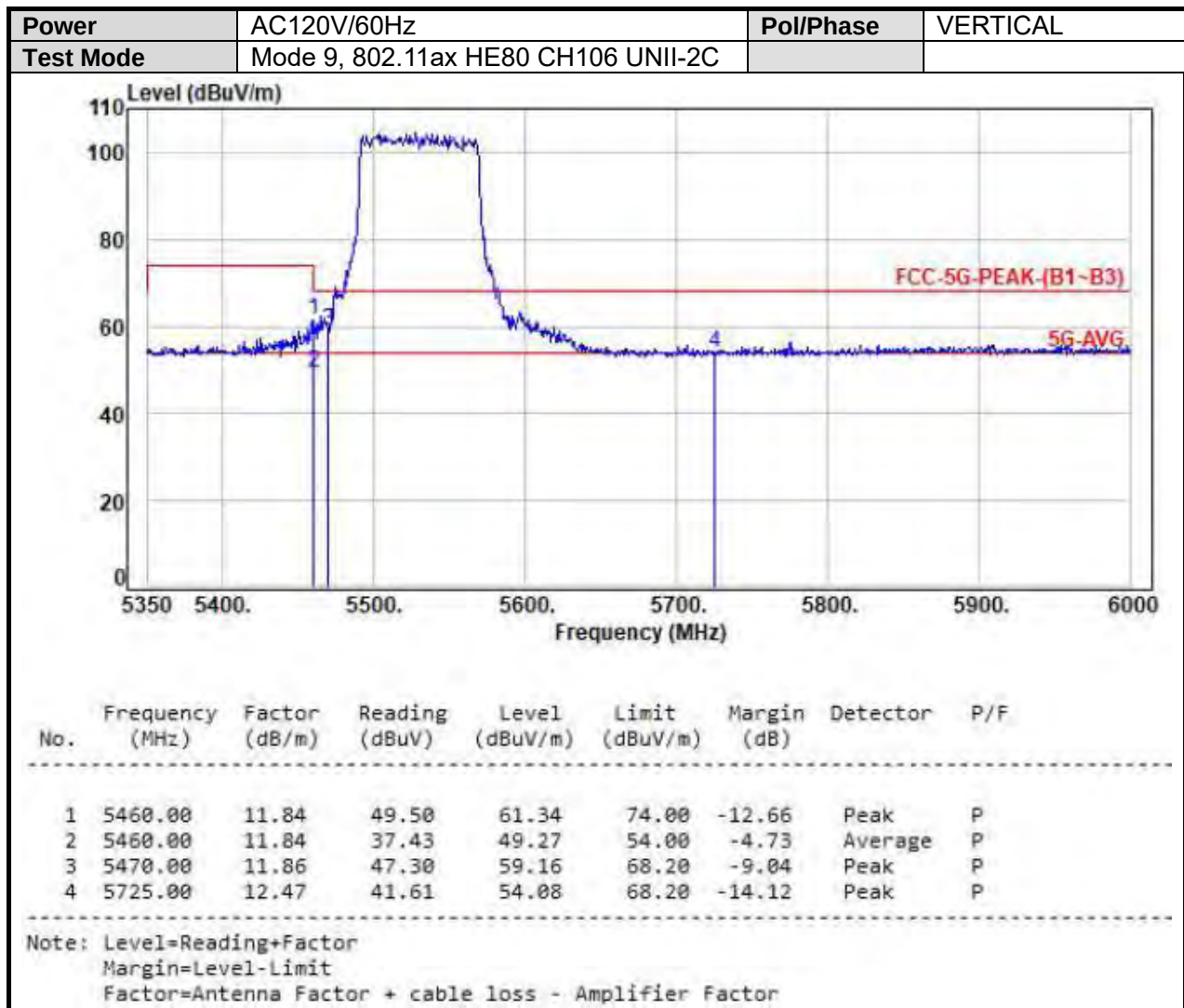


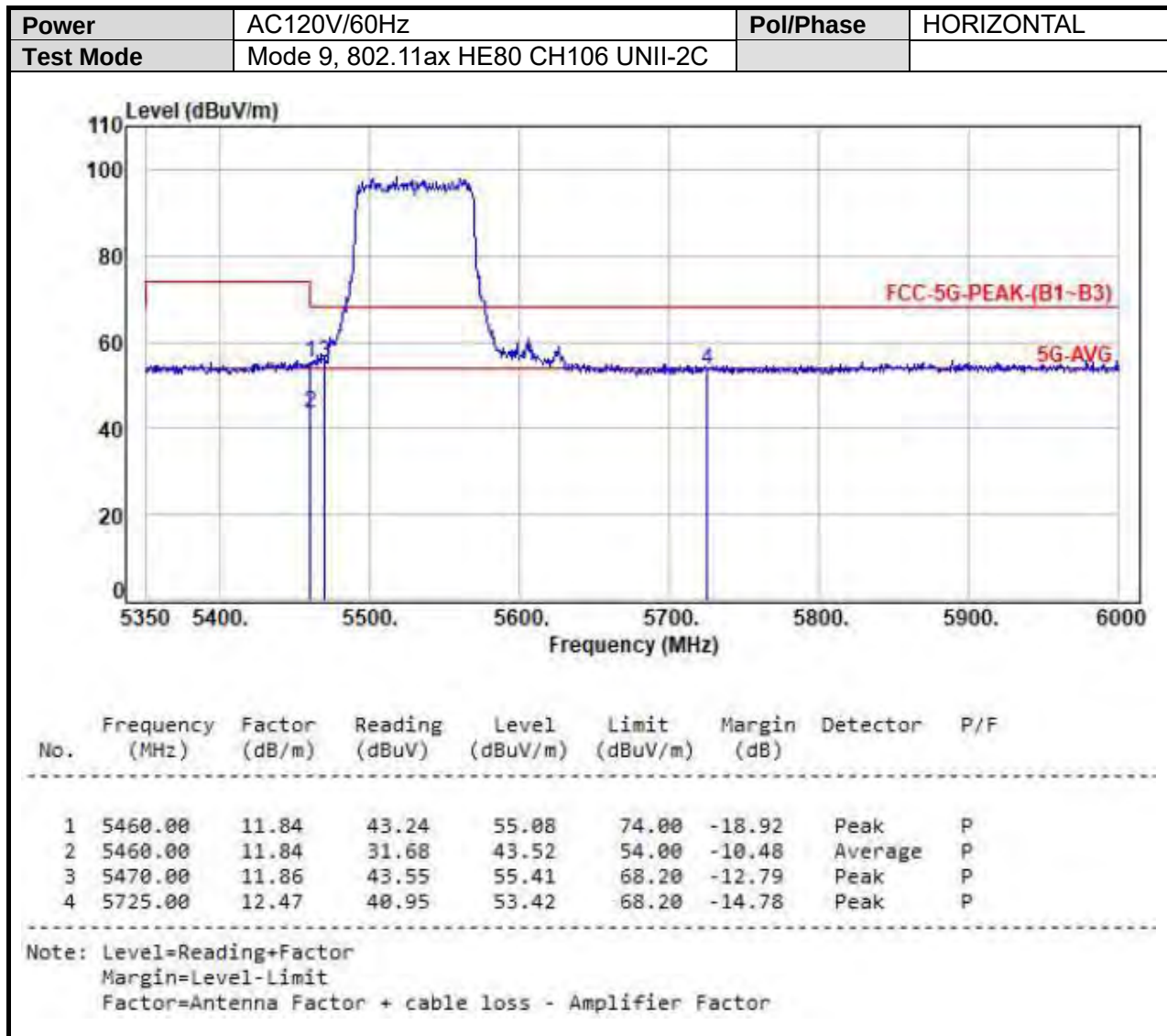


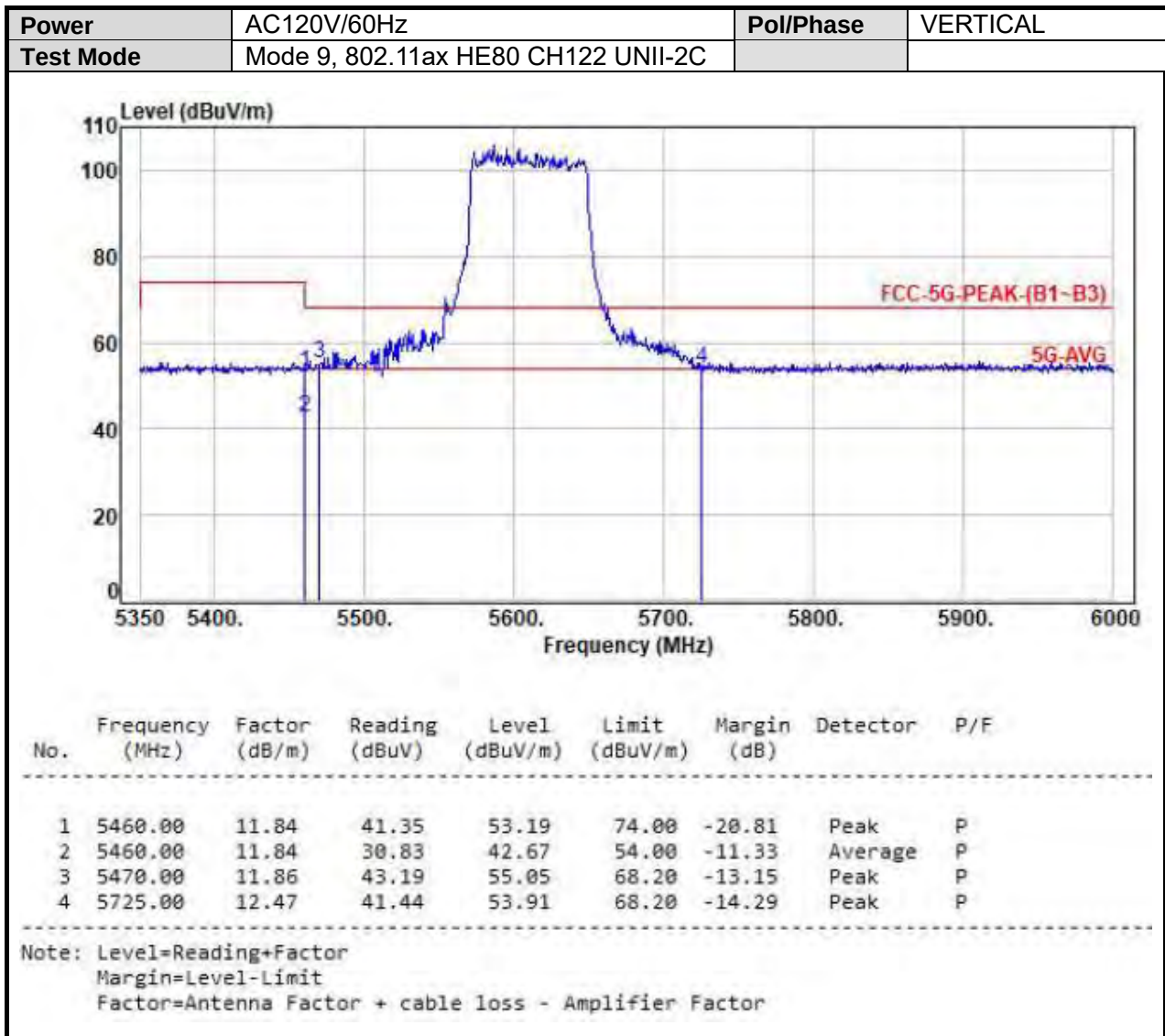


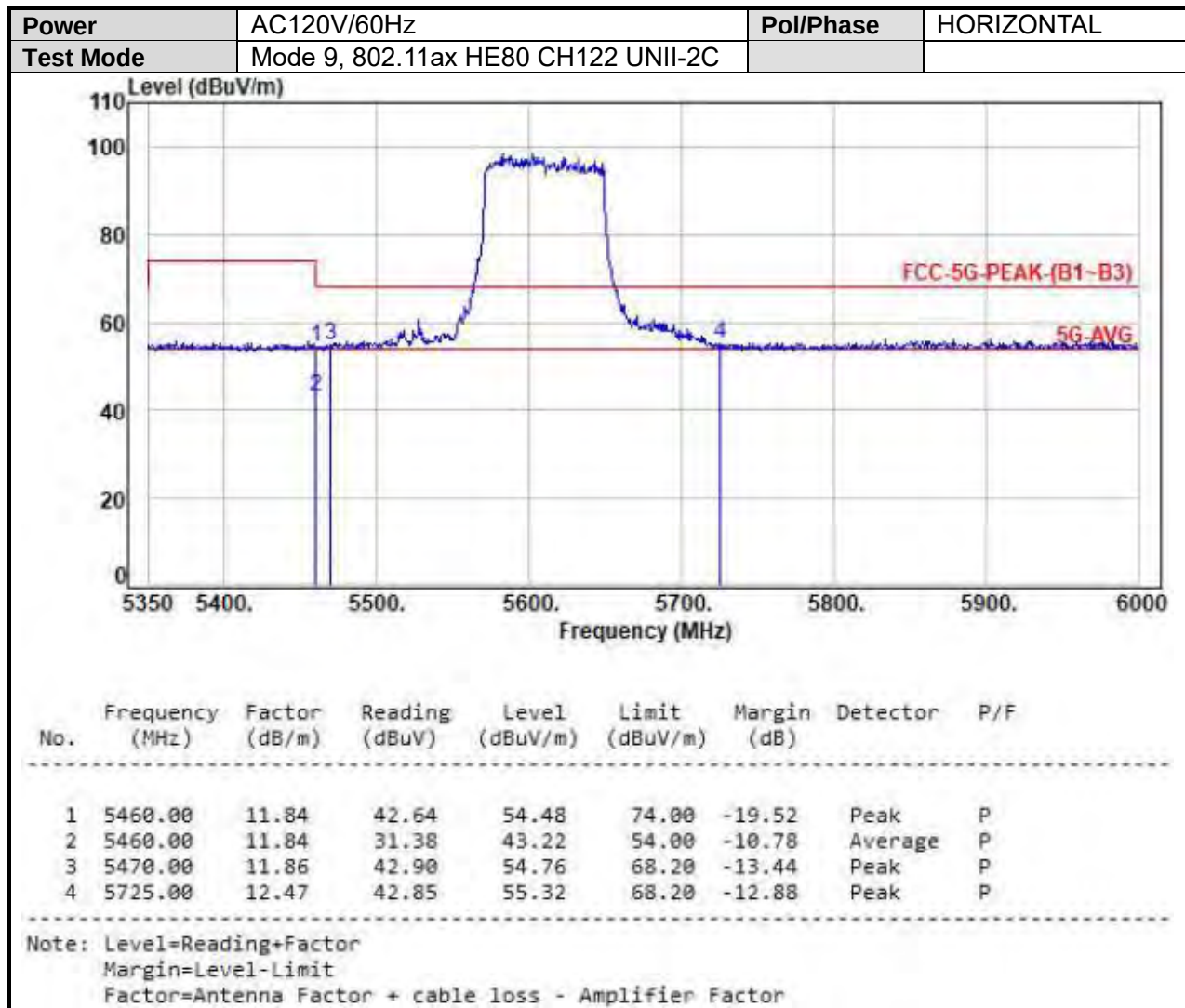


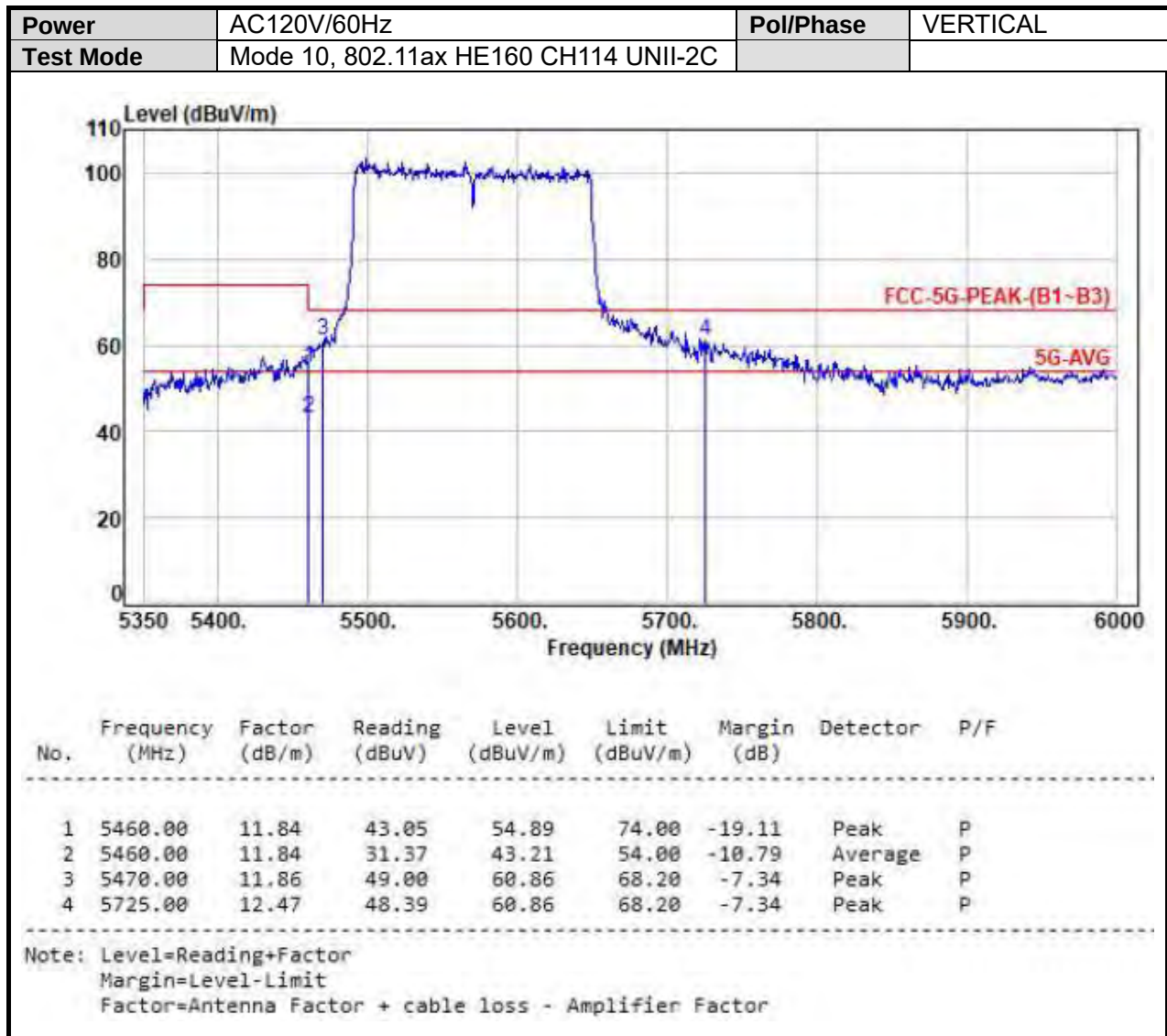


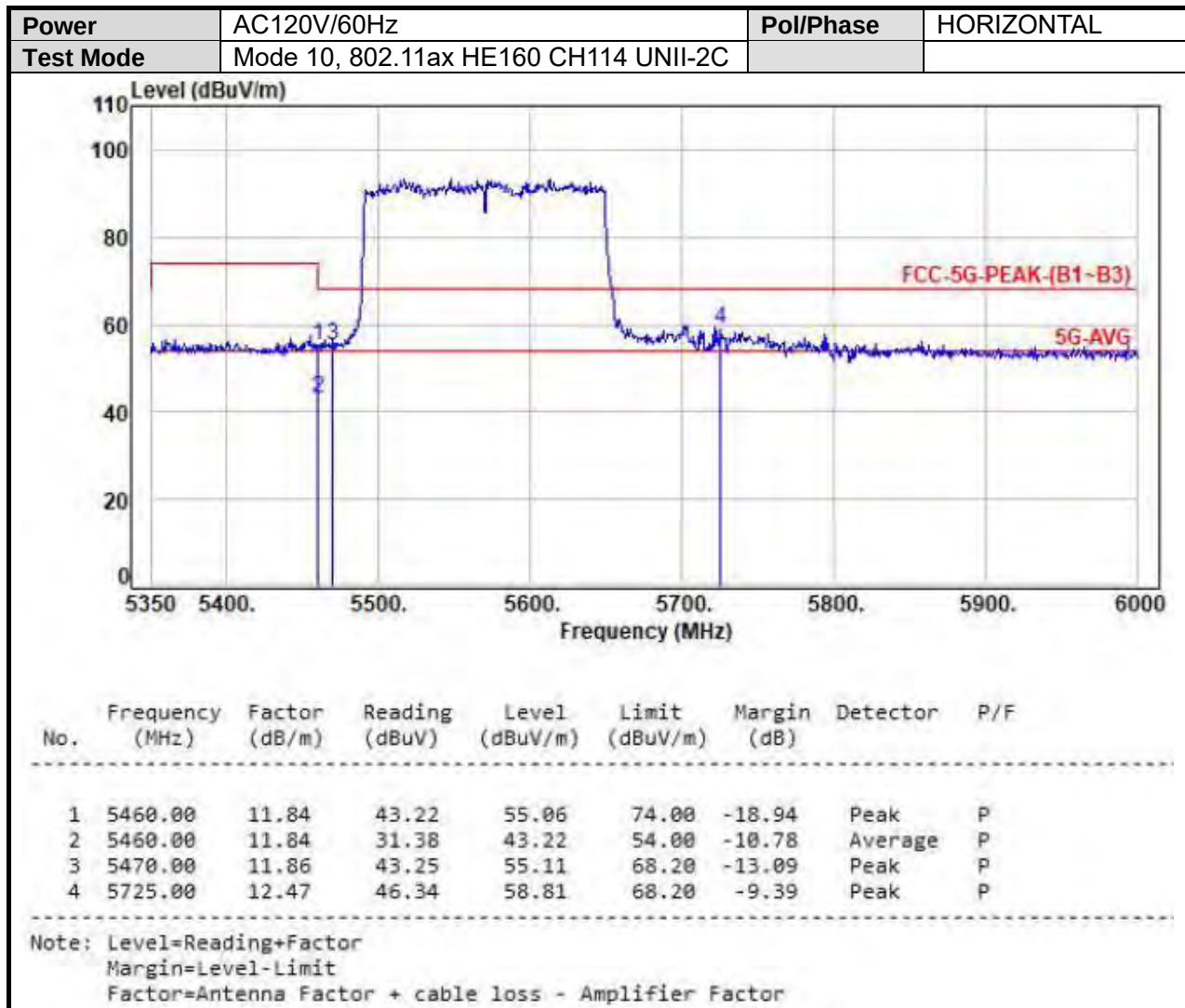






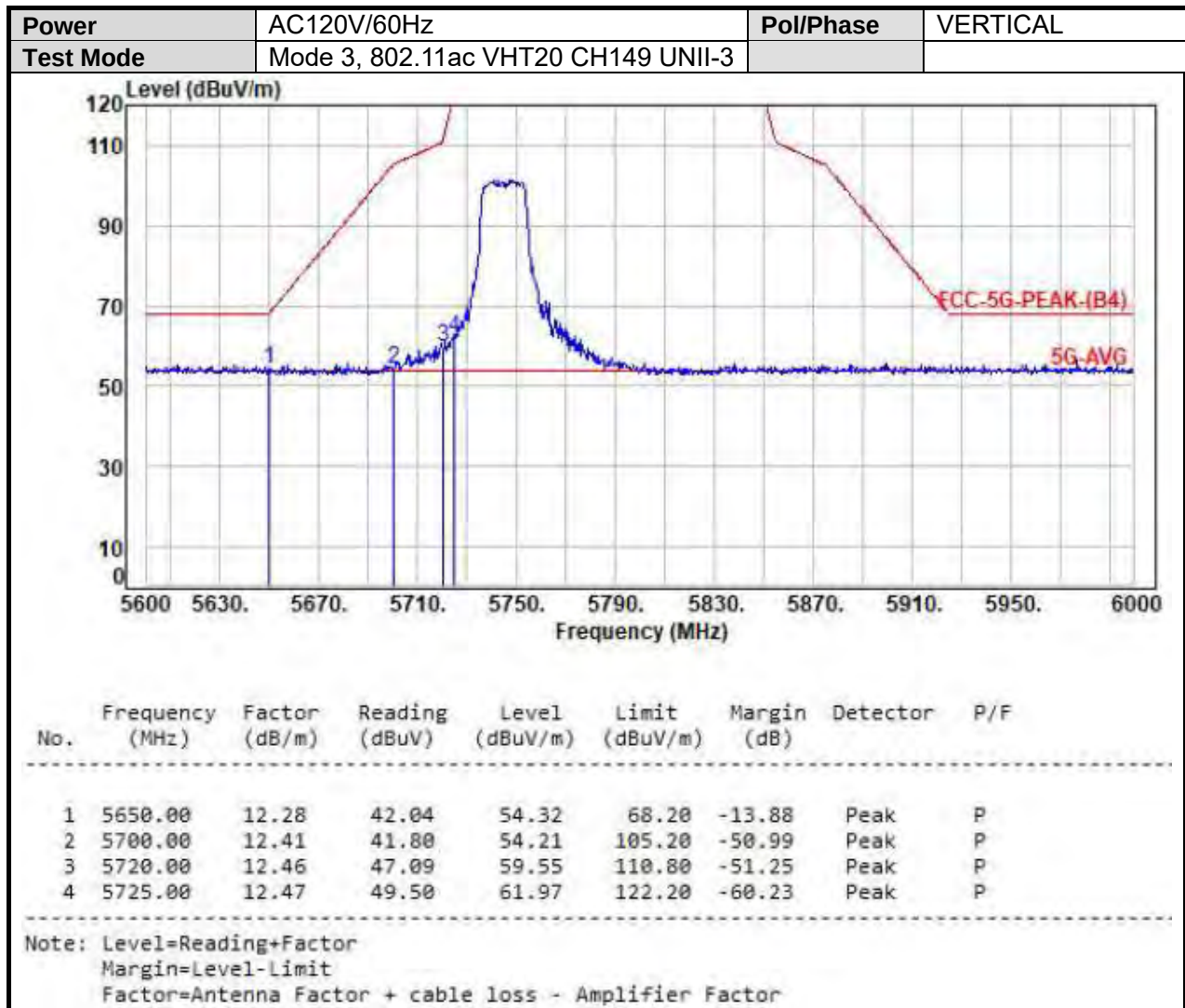


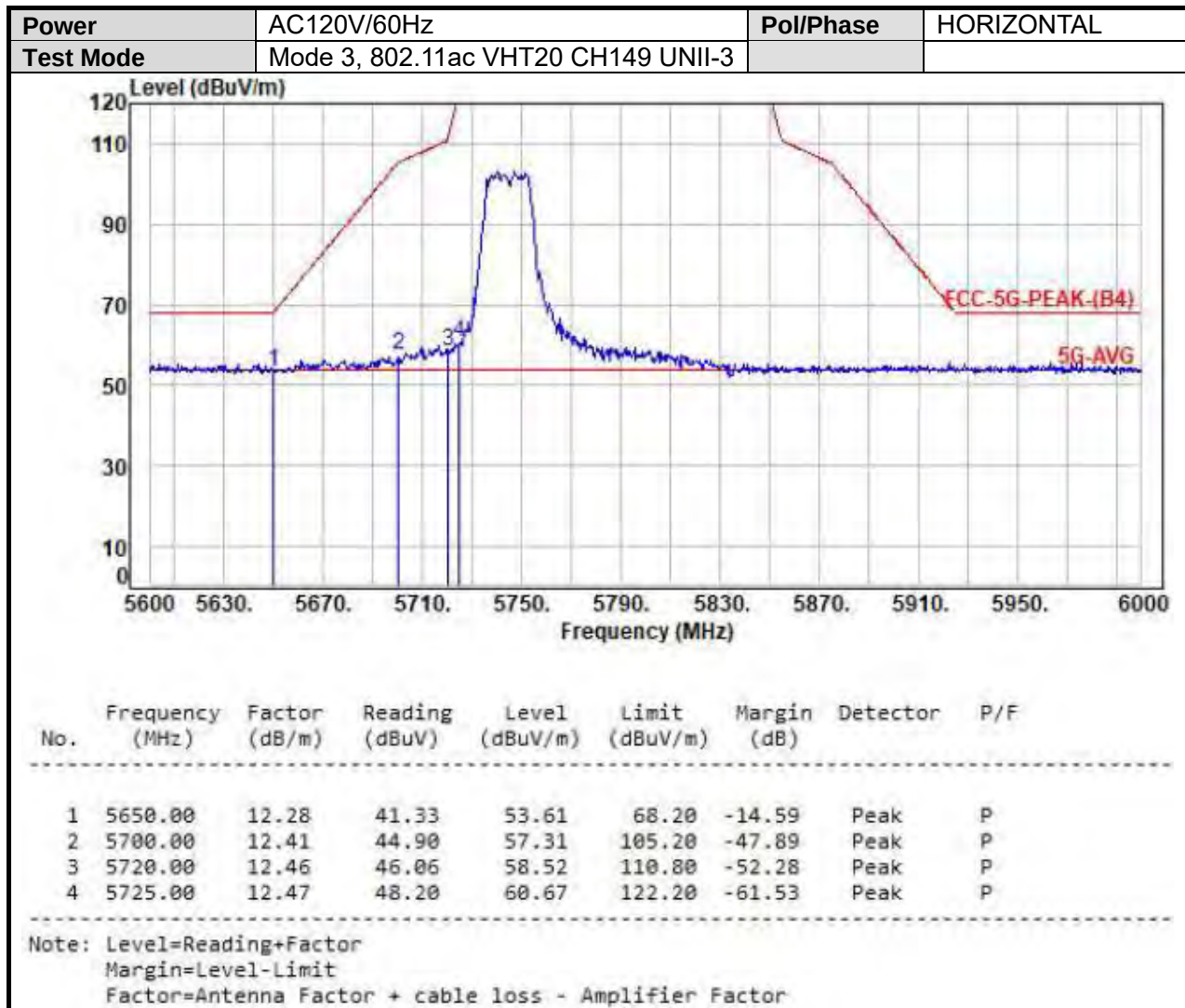


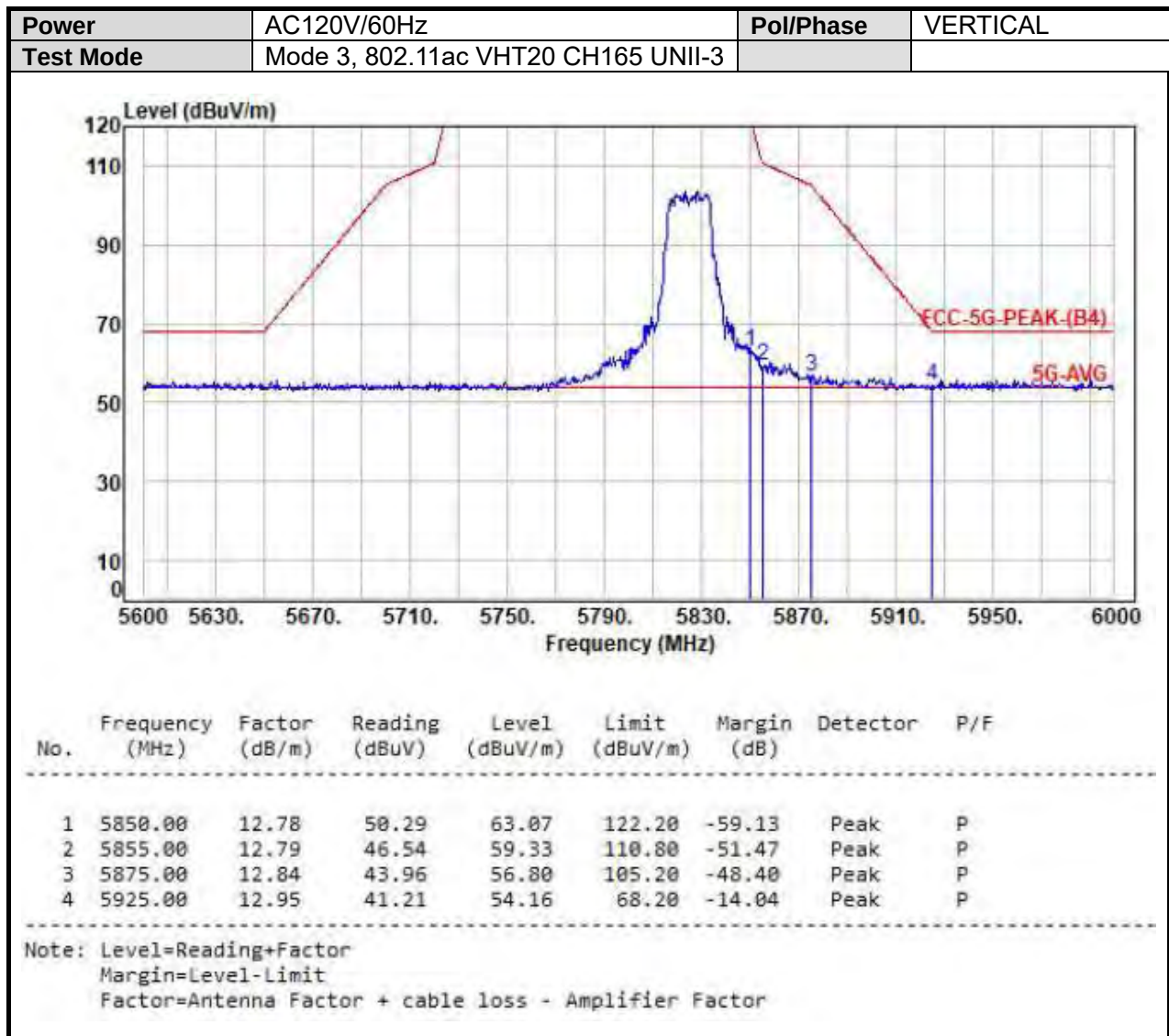


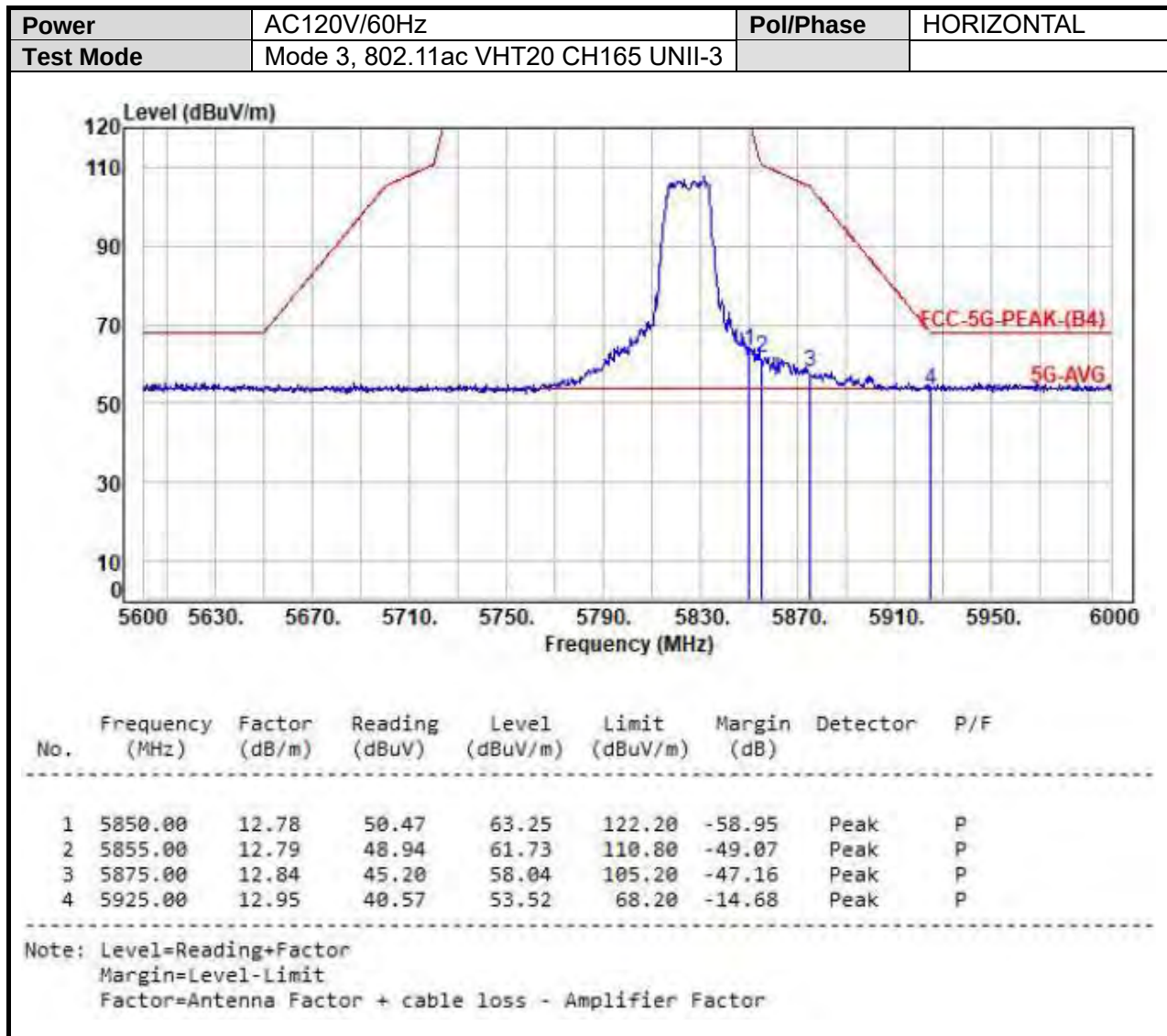


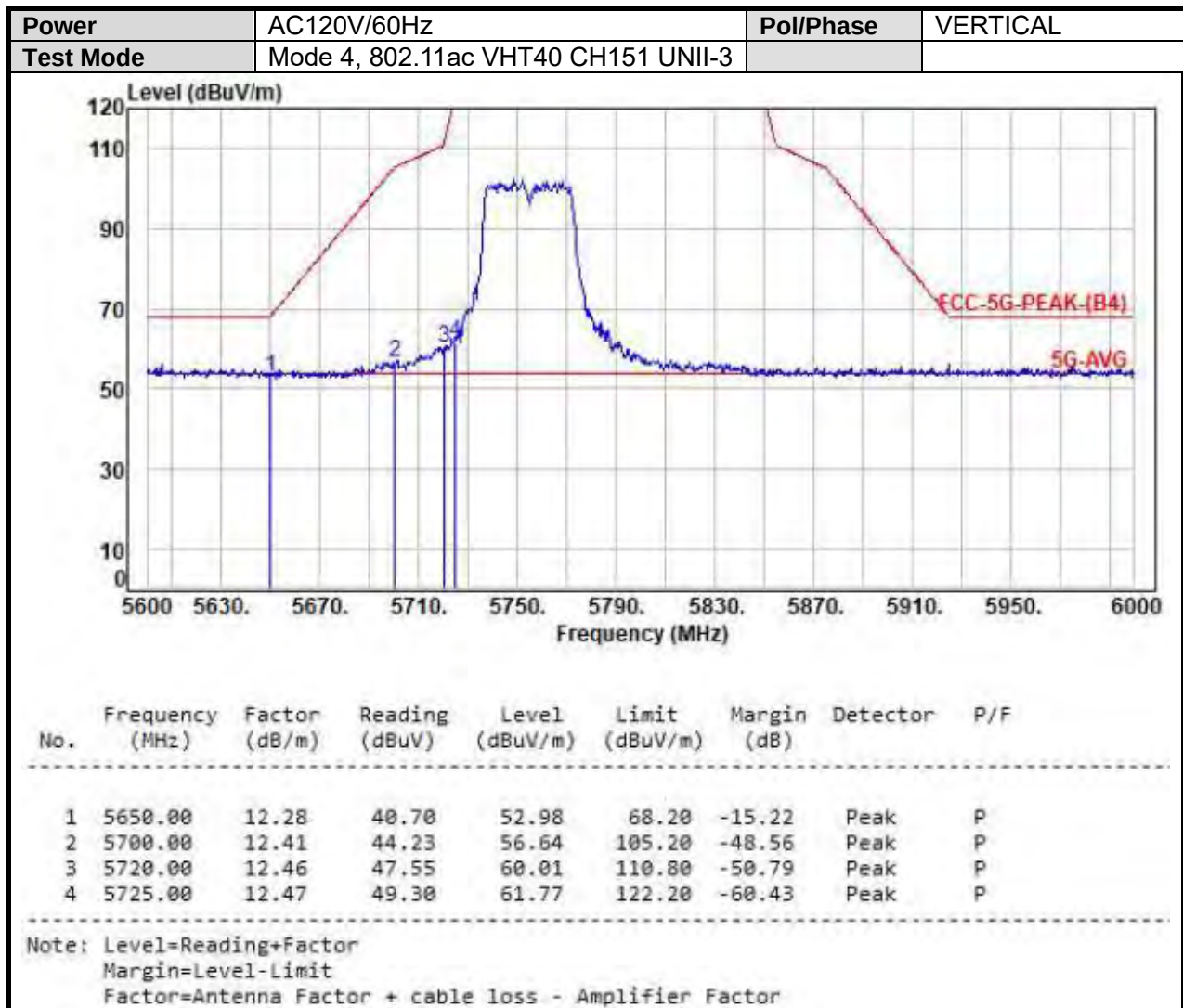
UNII-3

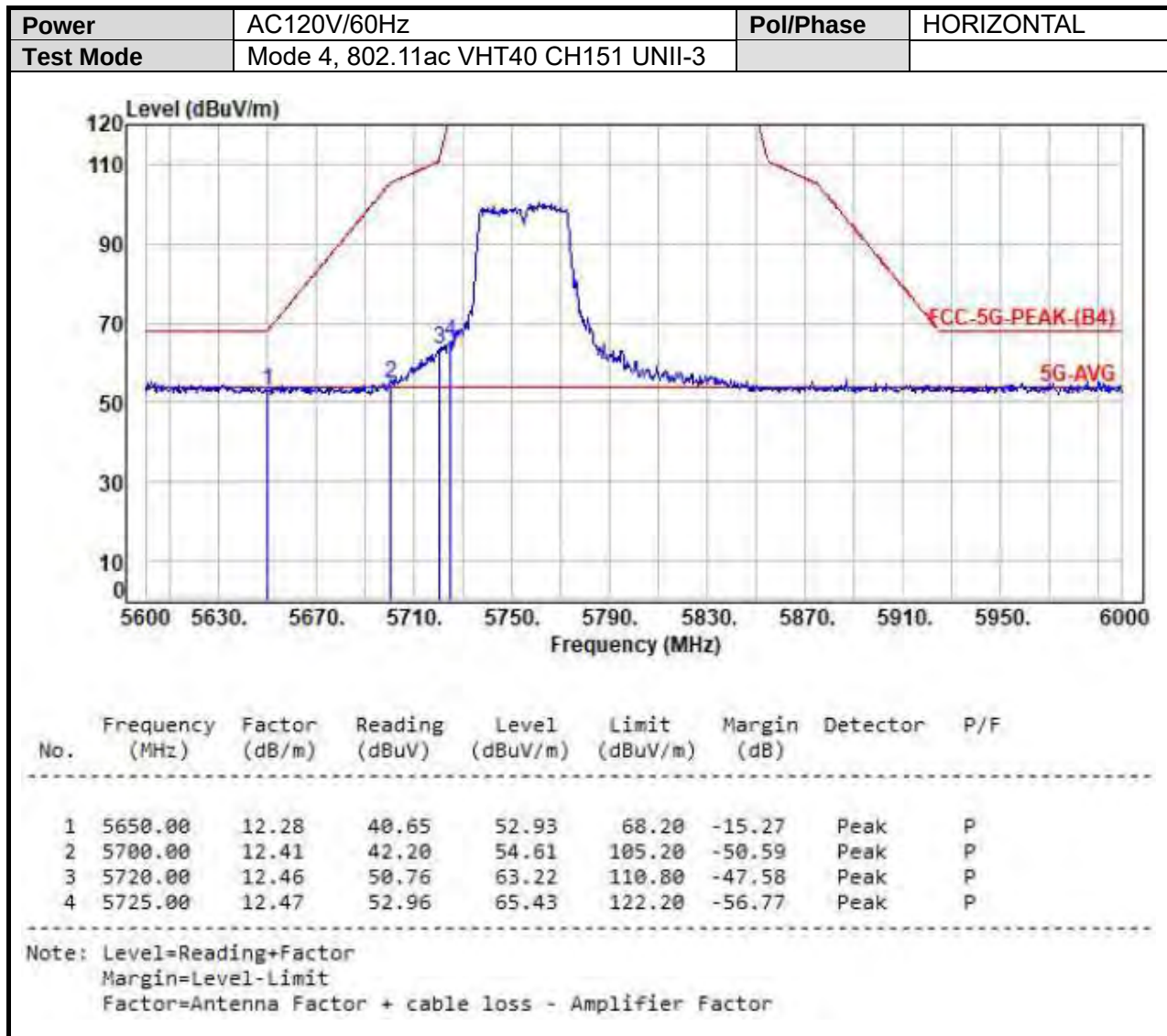


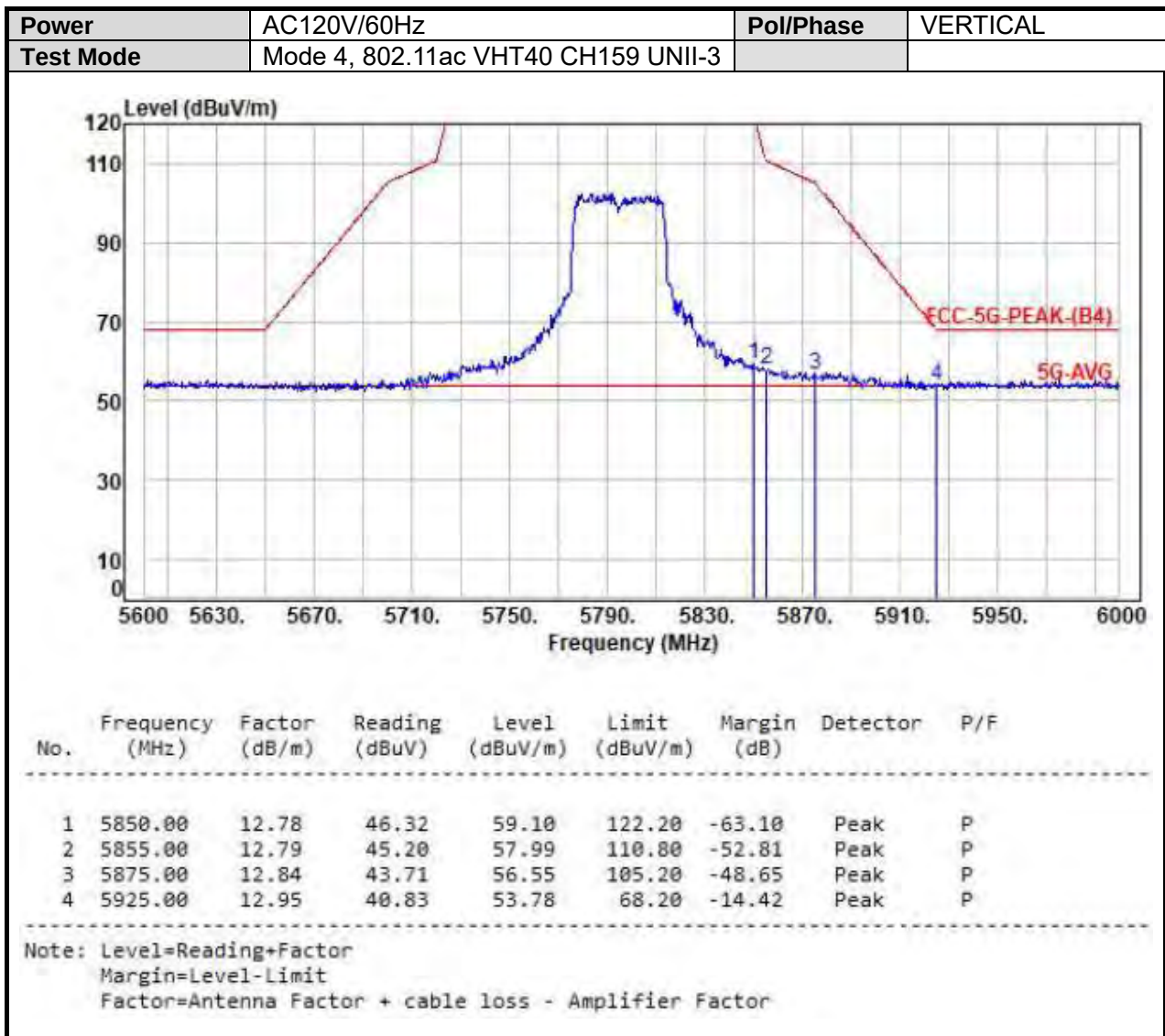


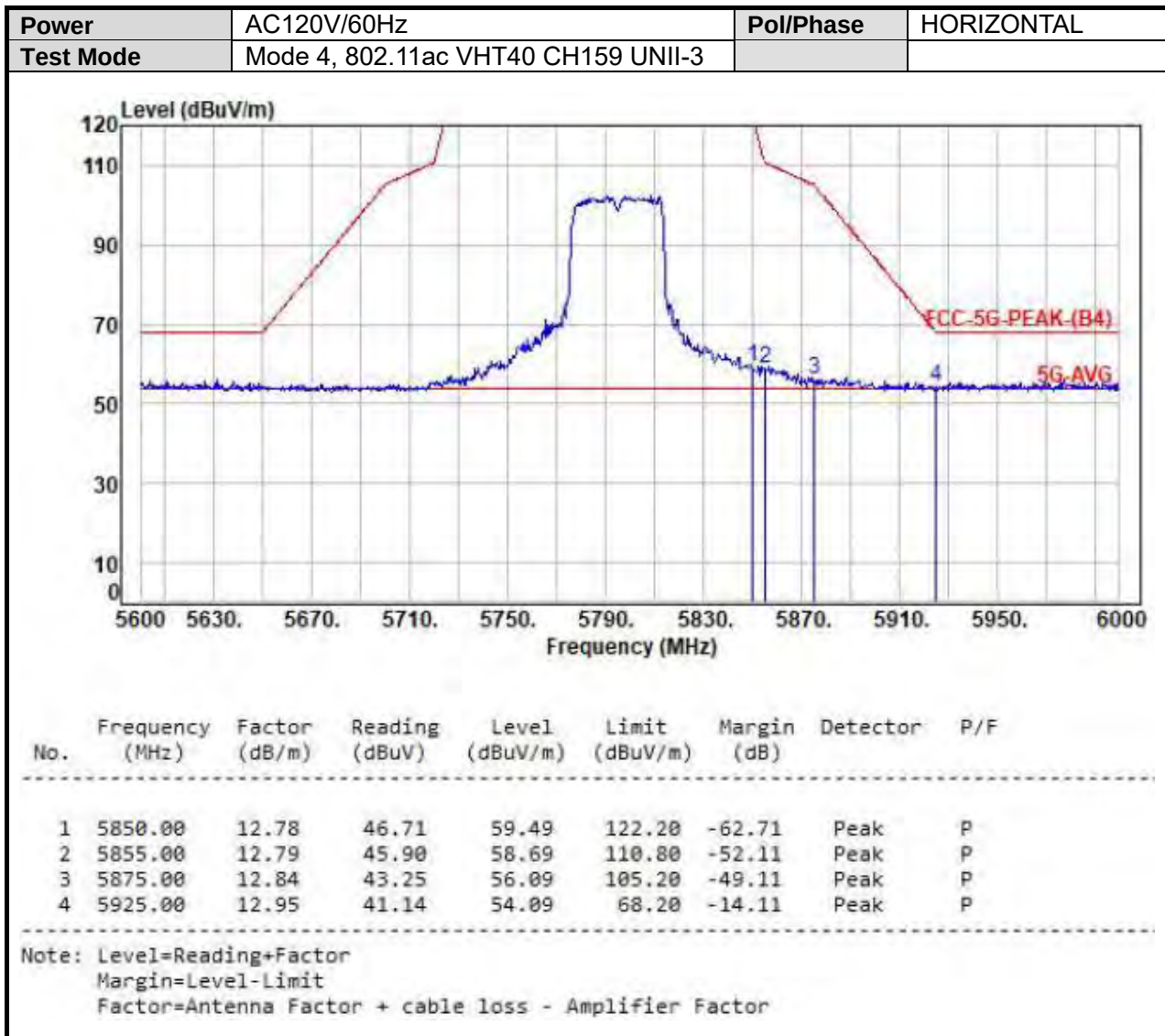


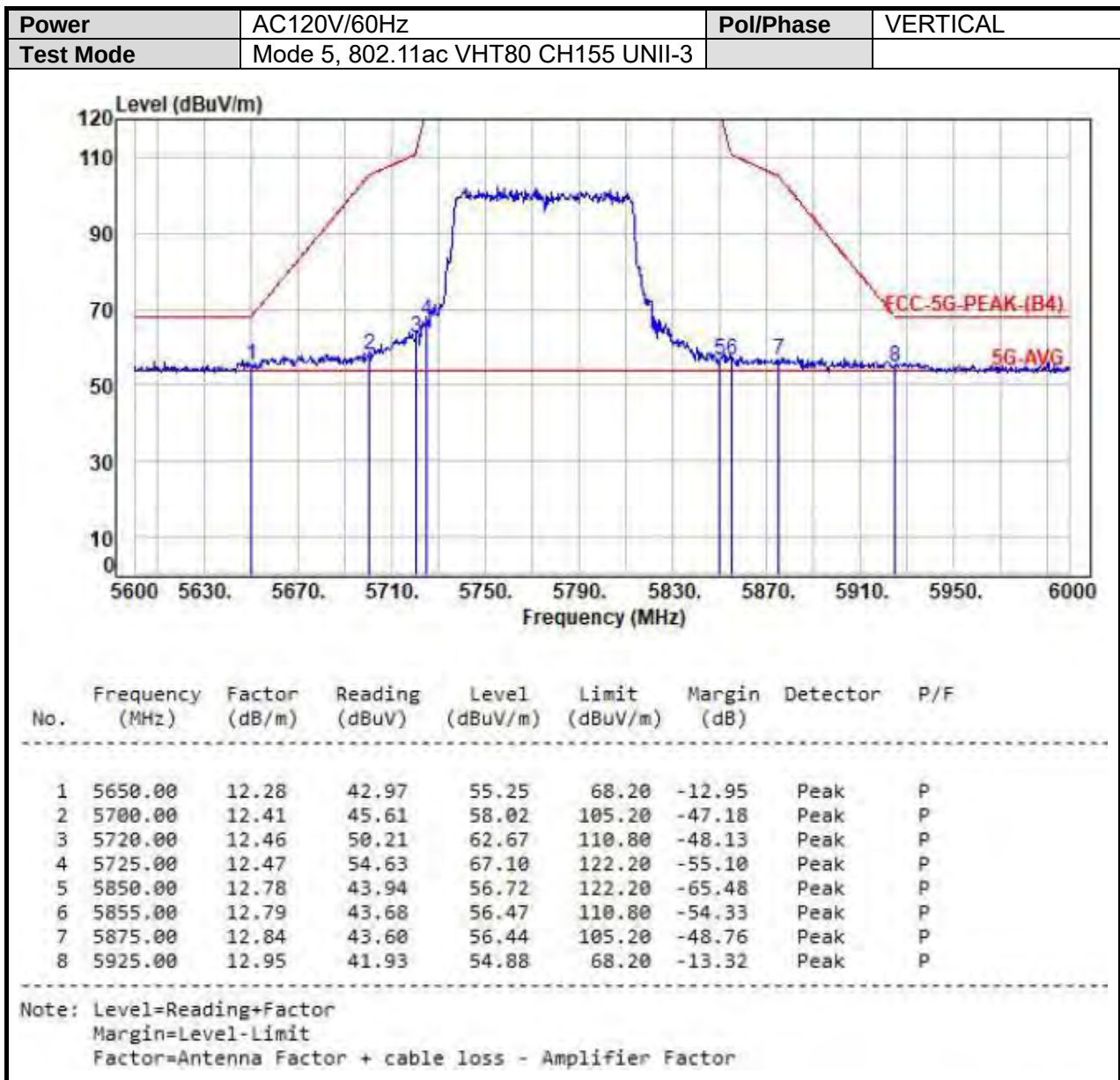


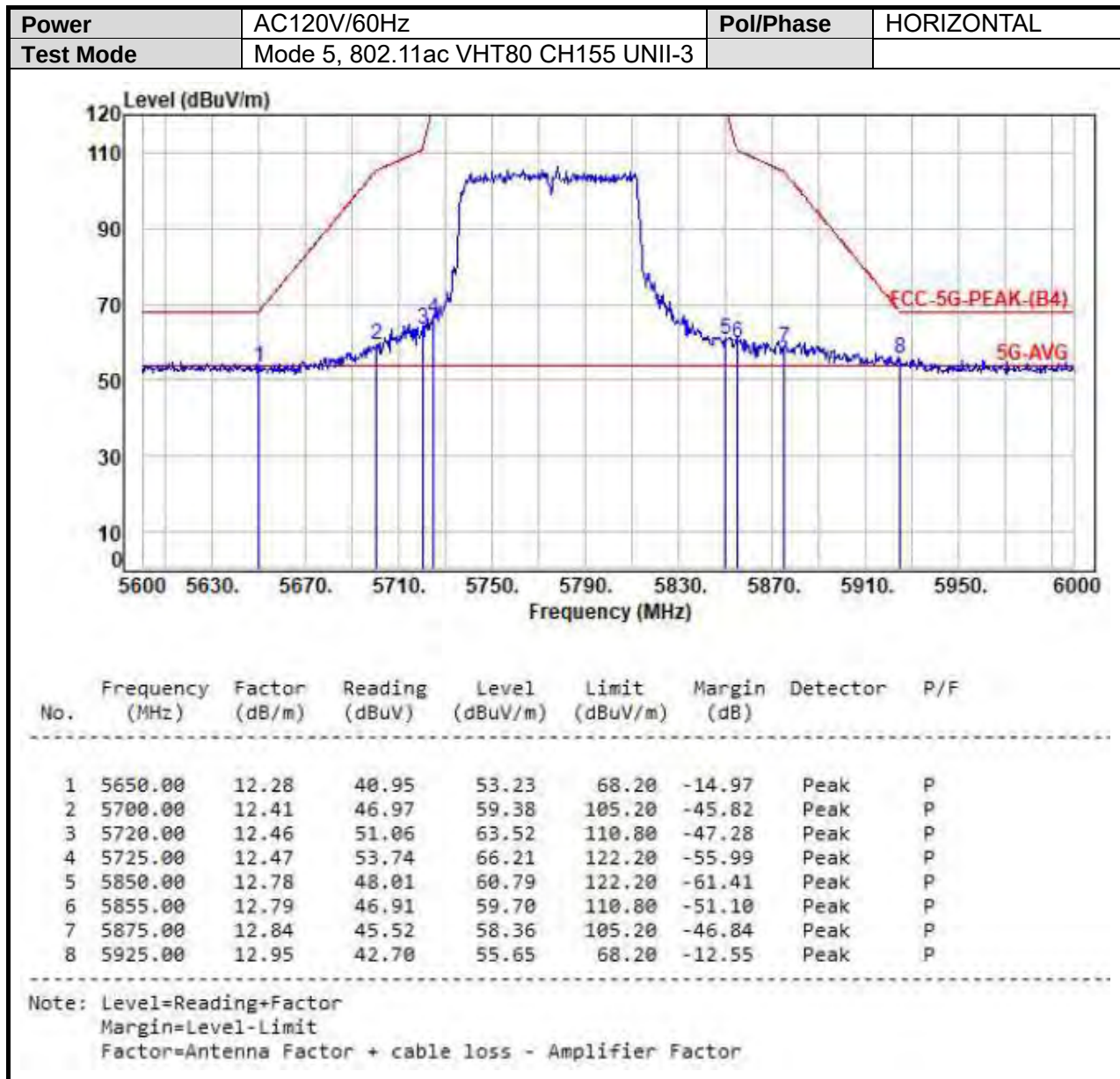


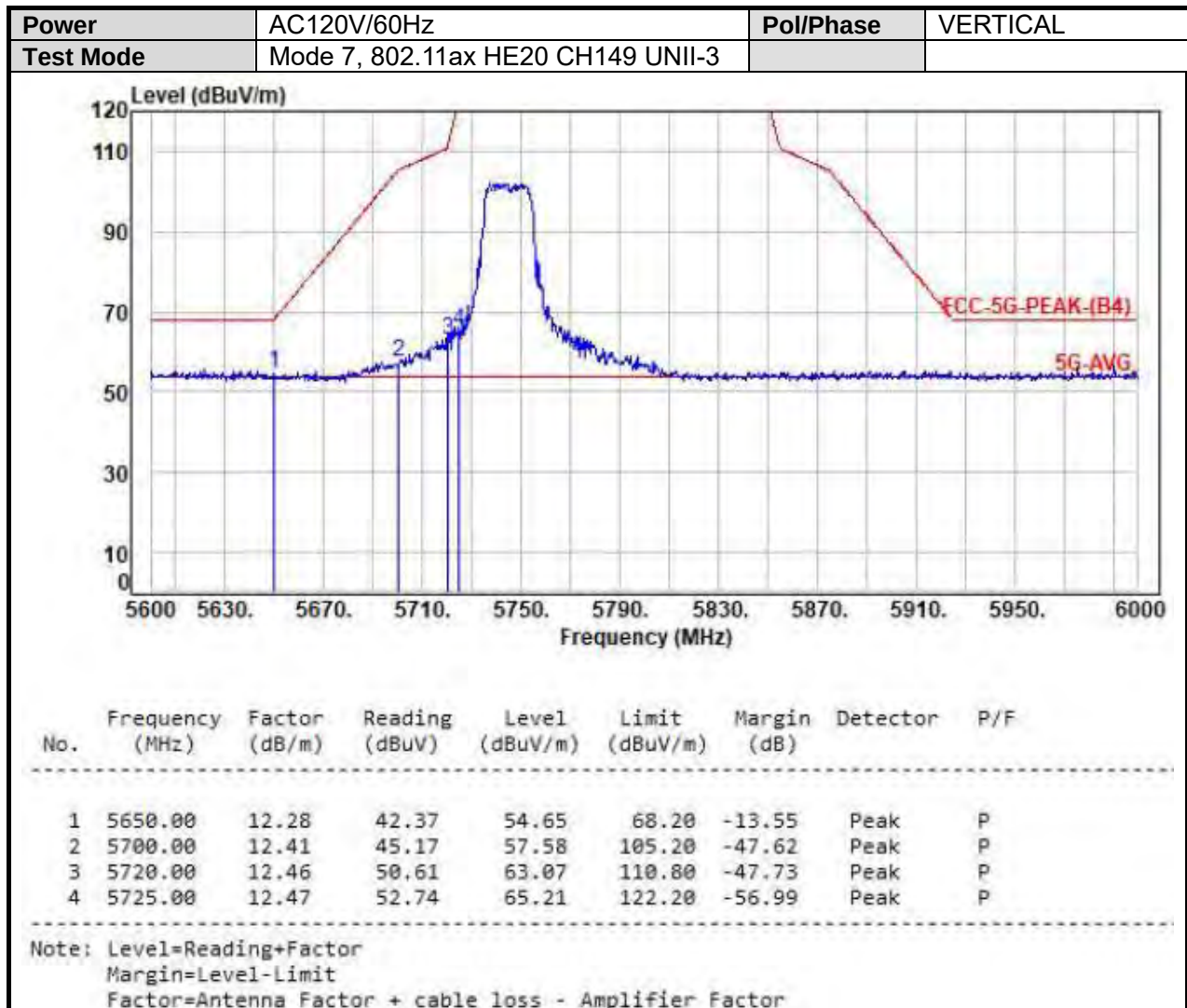


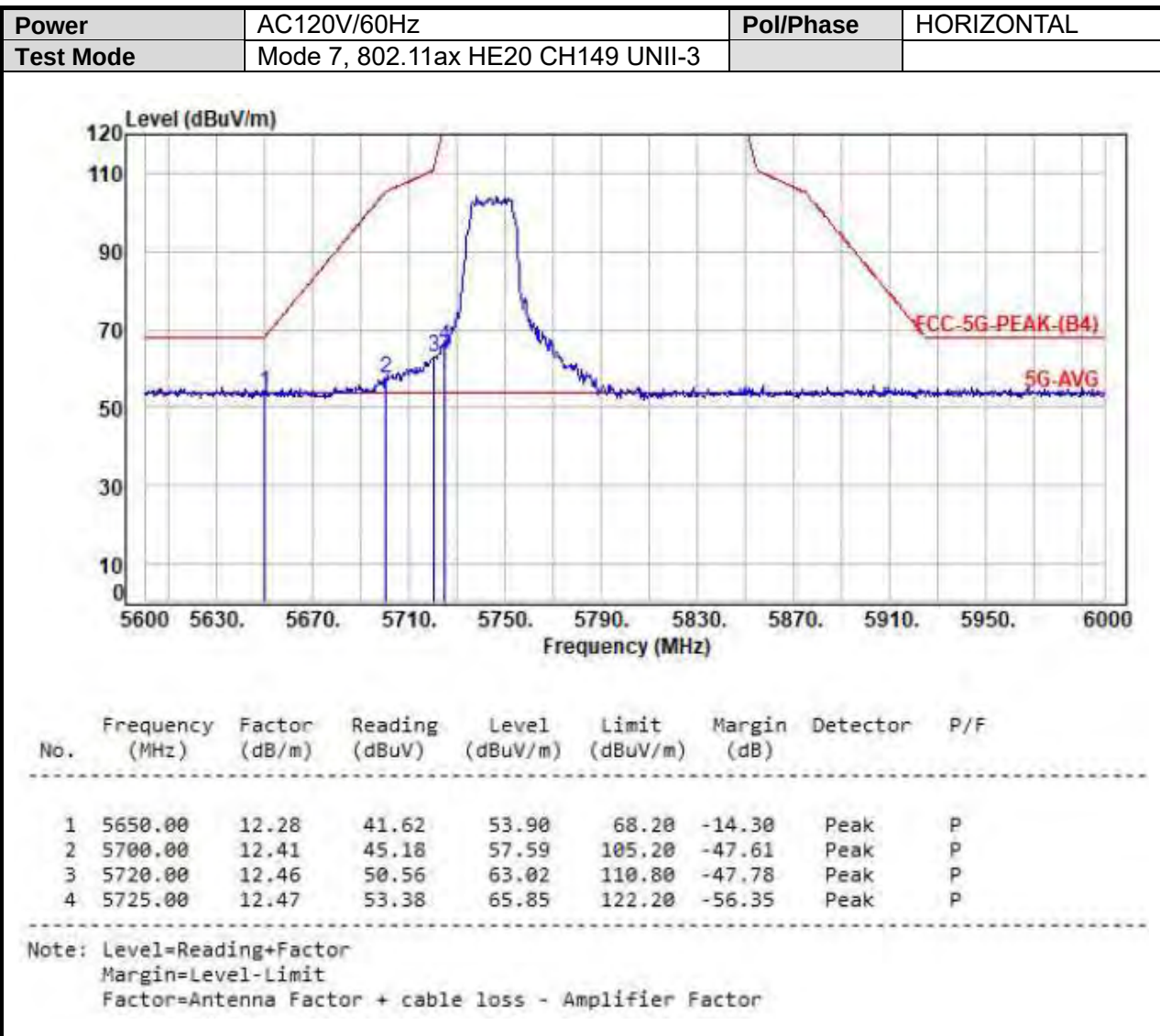


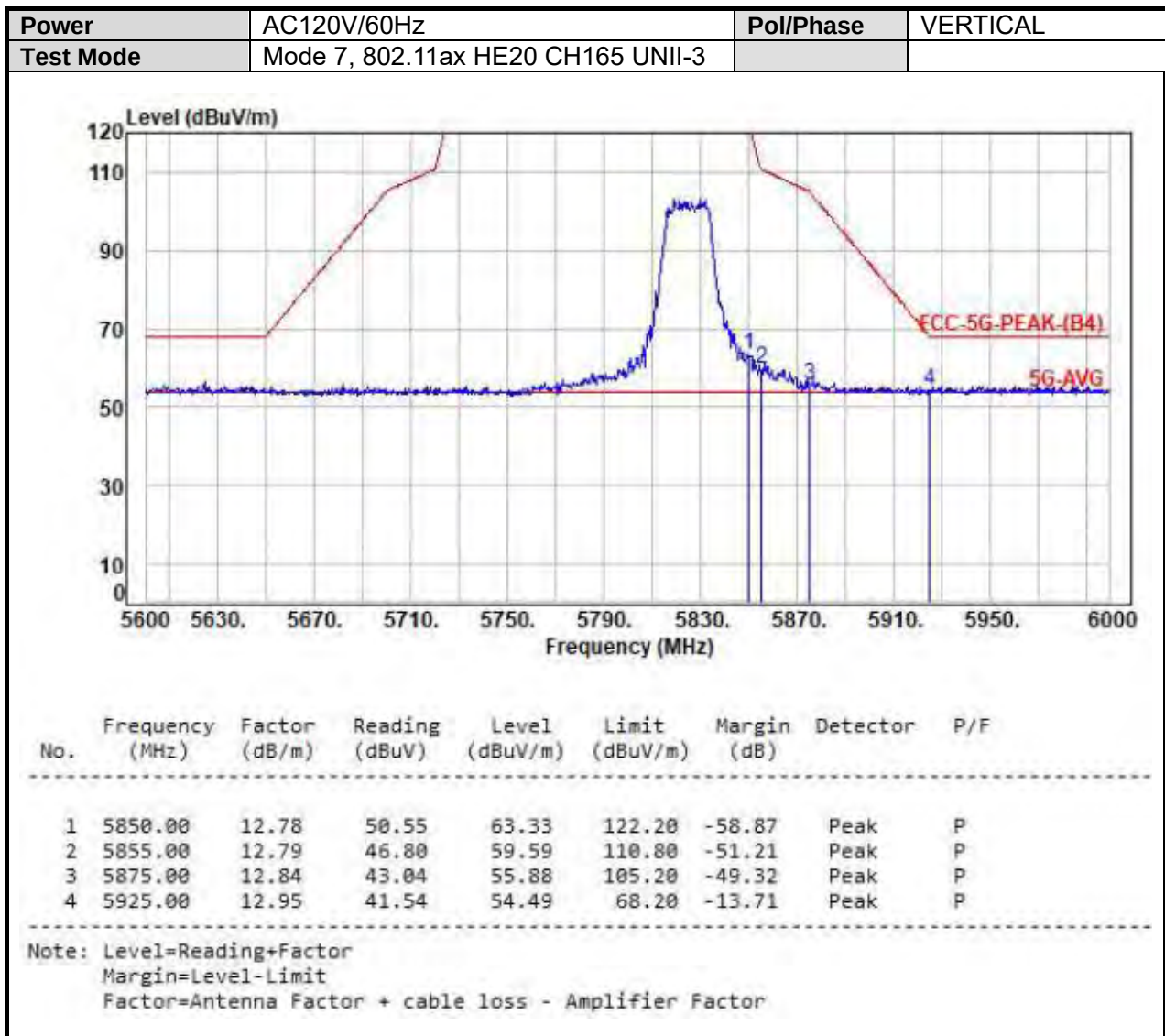


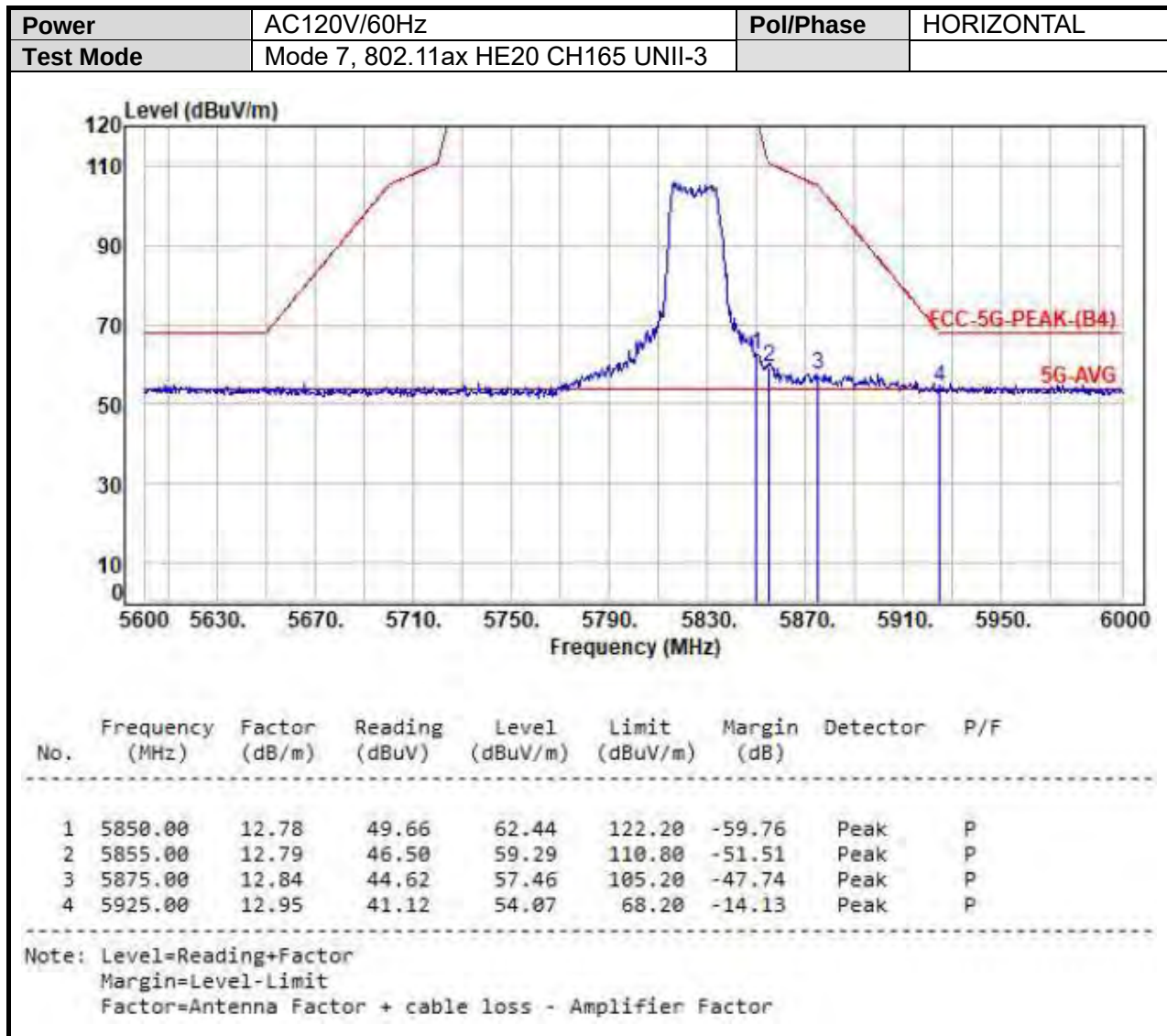


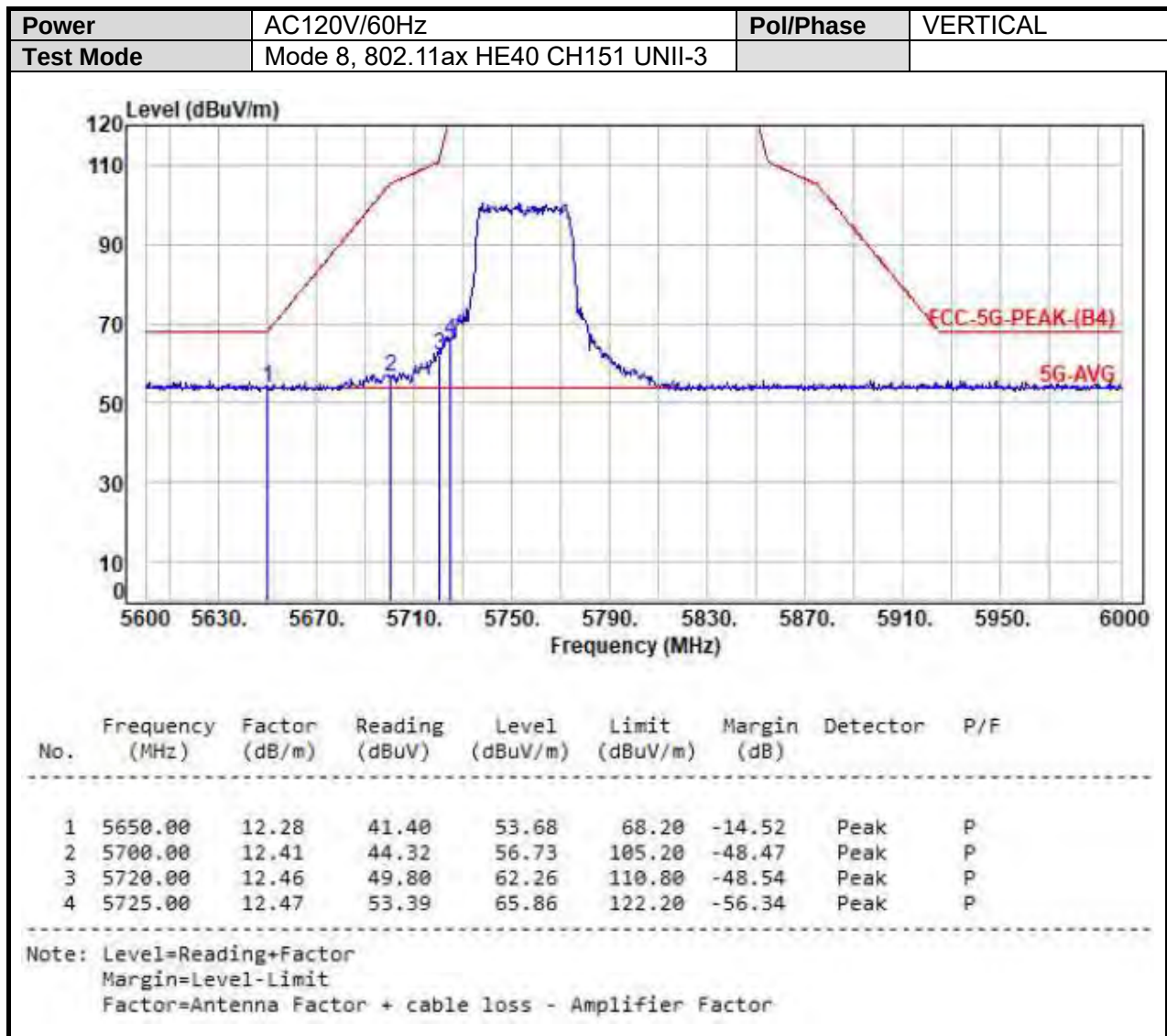


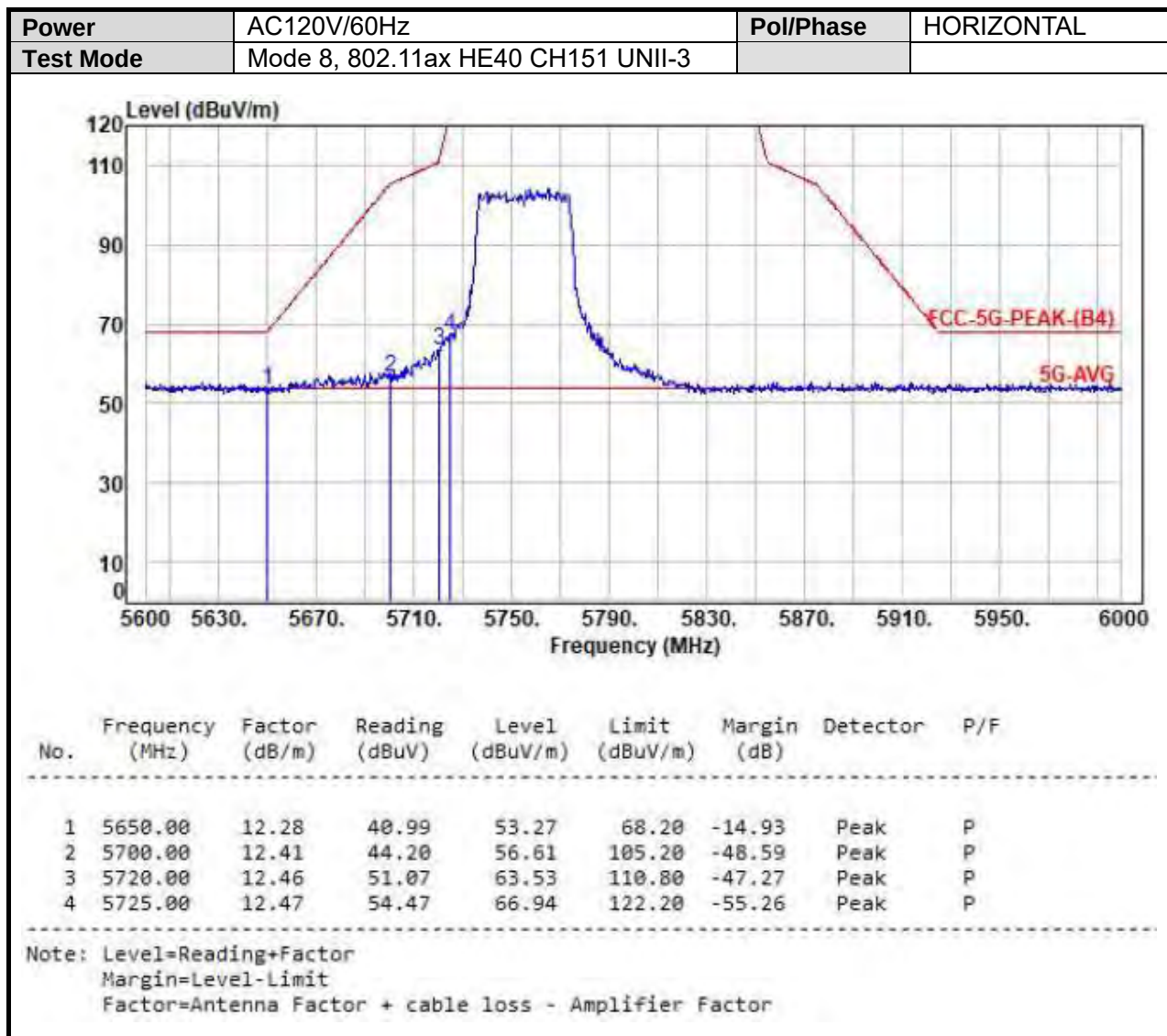


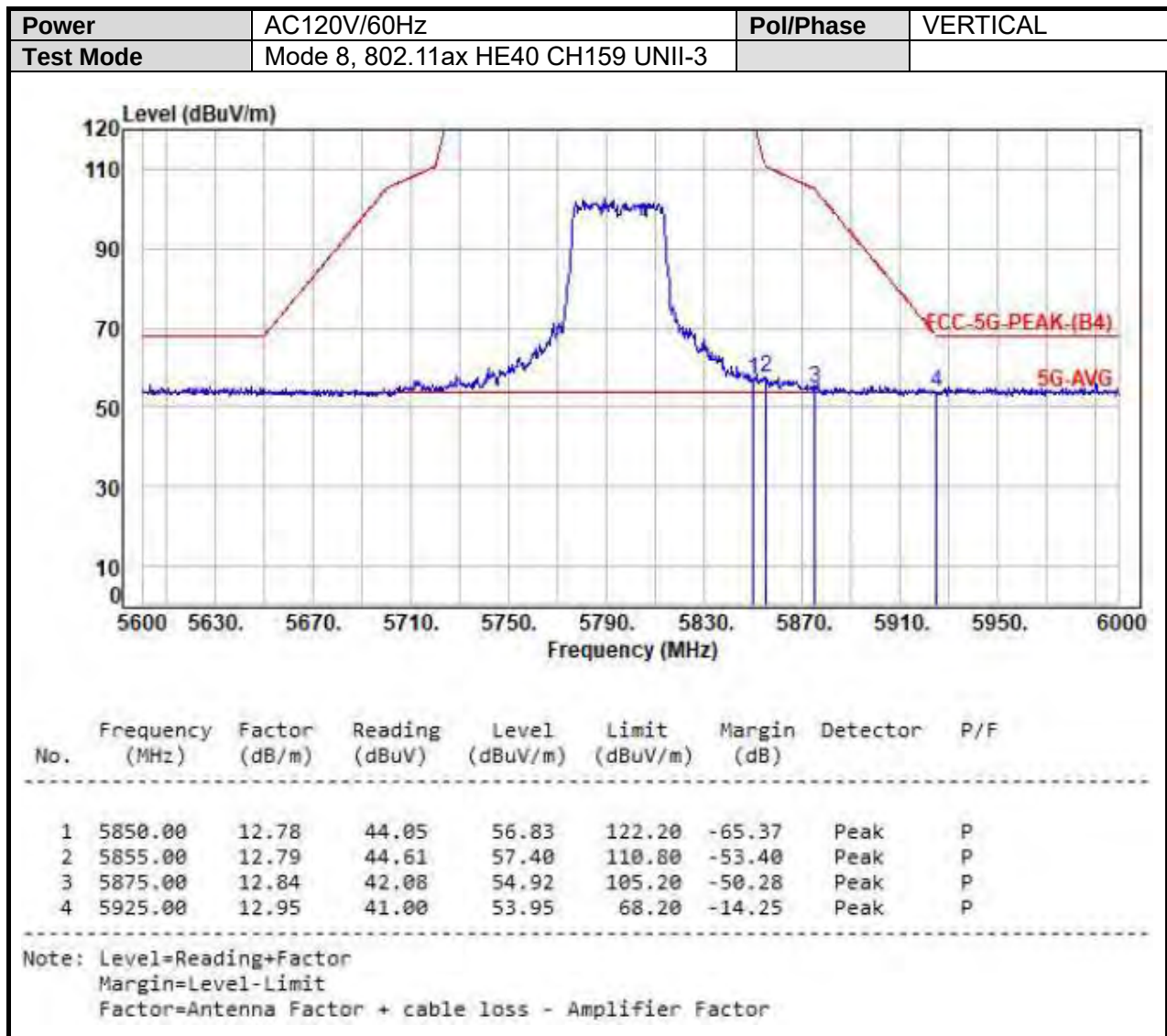


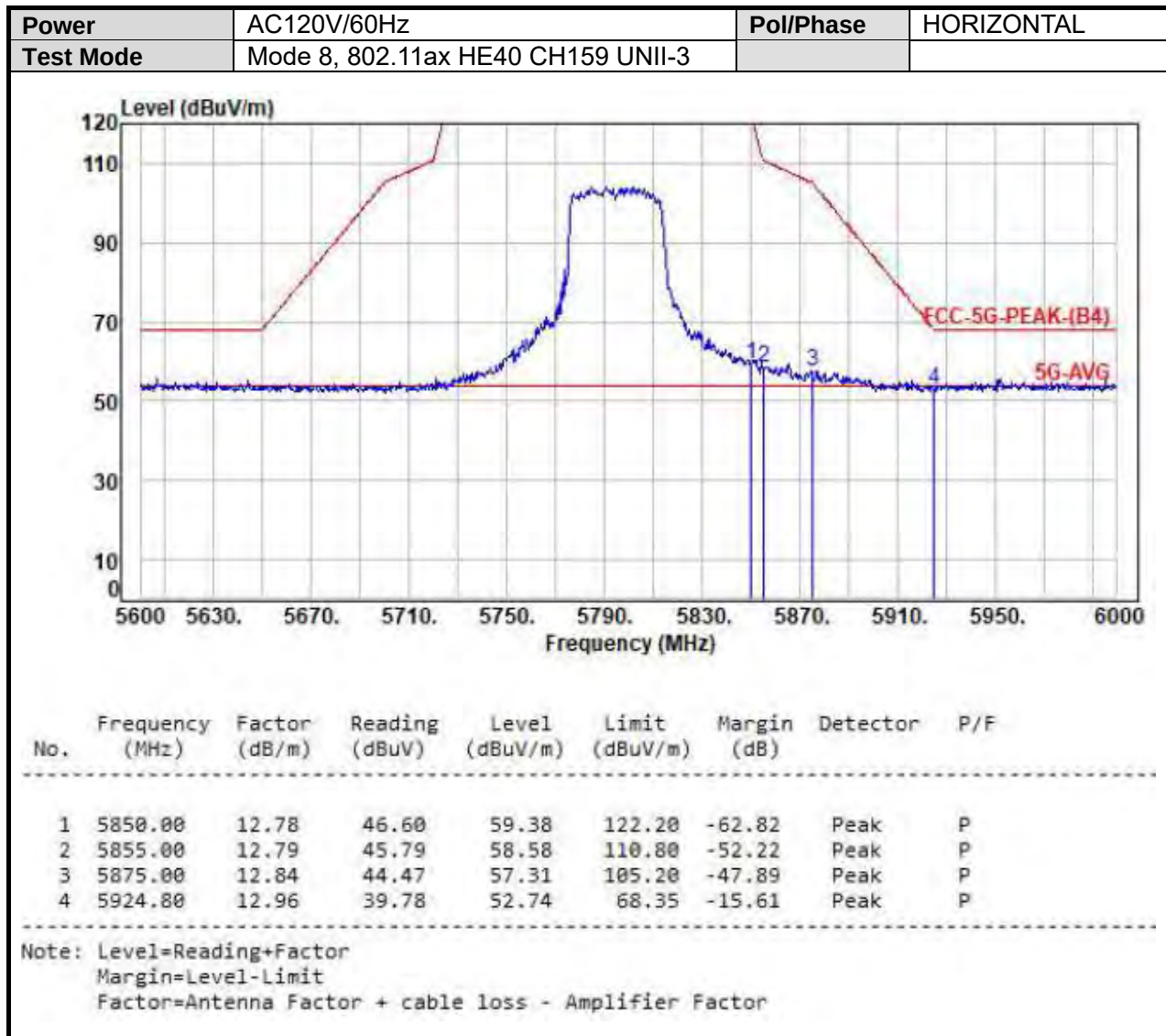


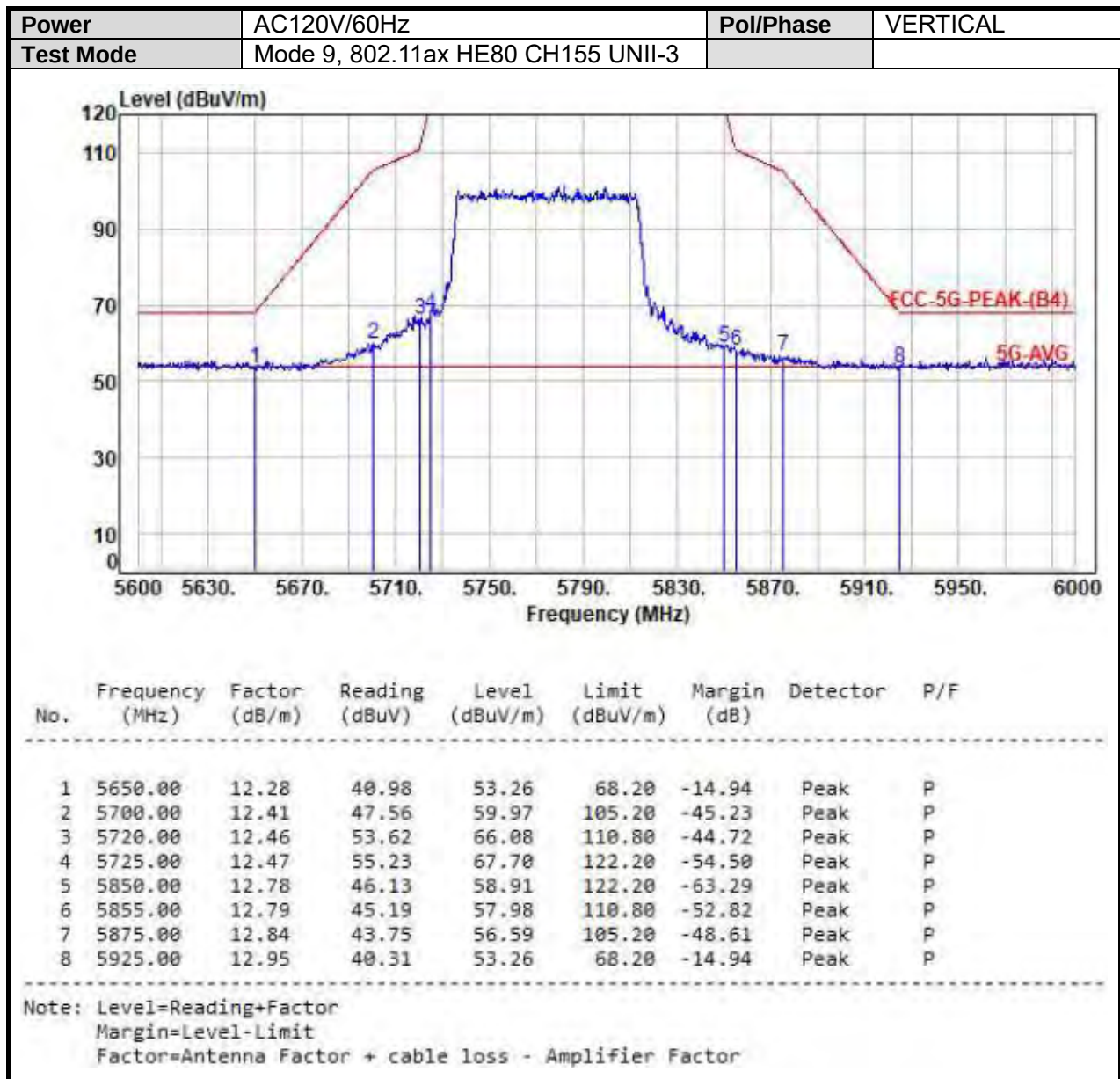


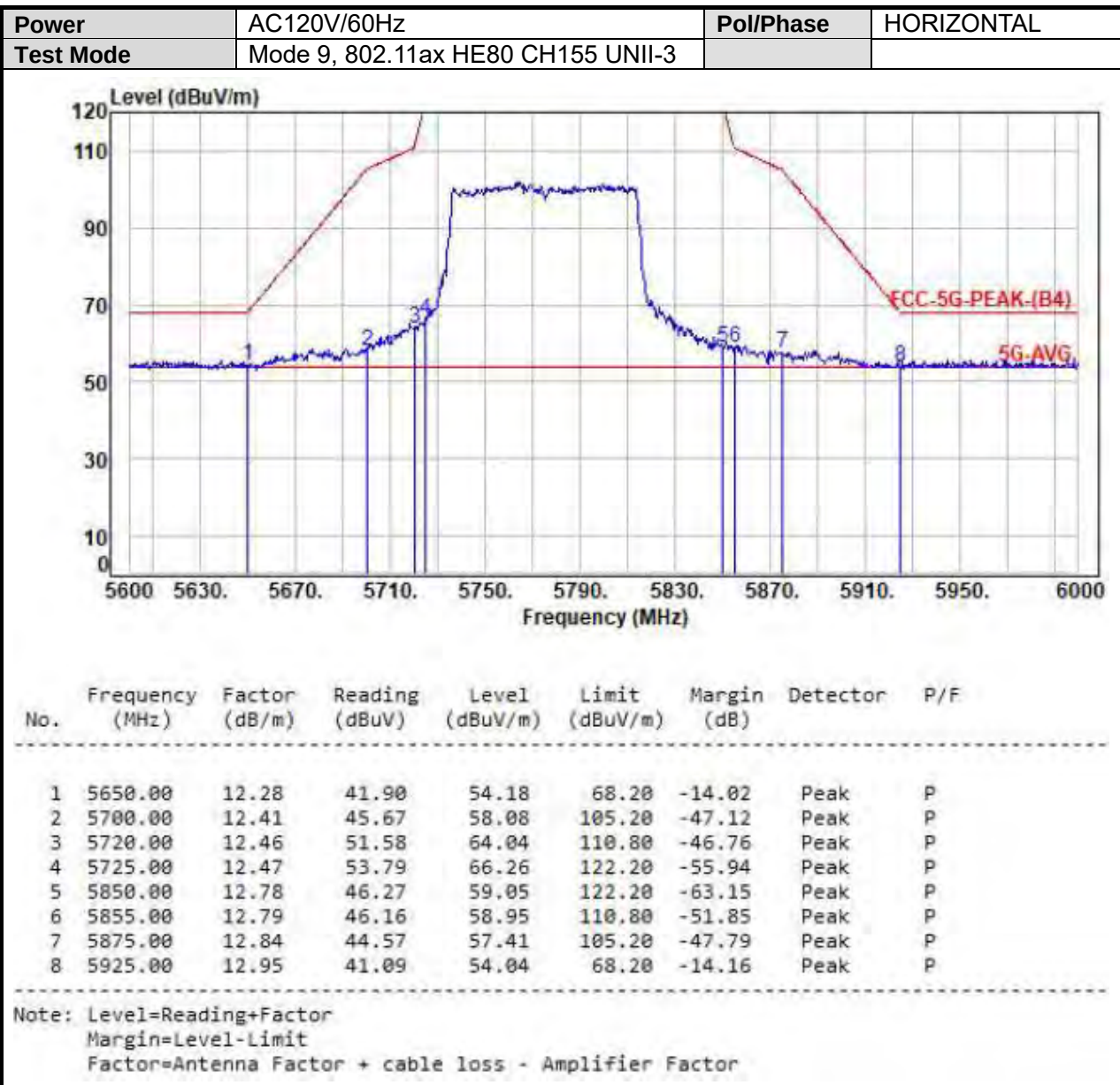






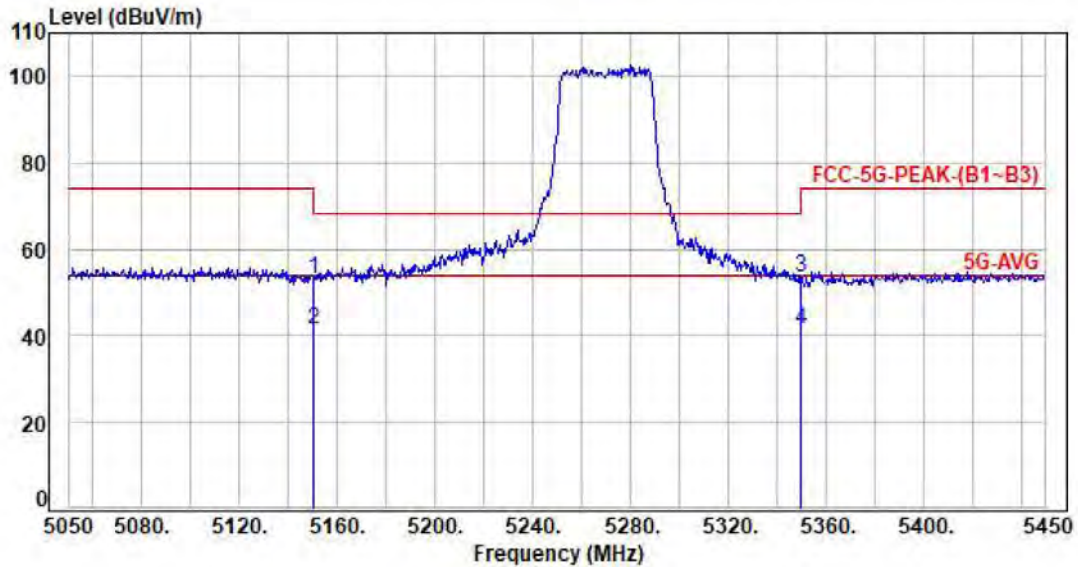






CRLUS N310-G1
MIMO

Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 18, 802.11ax HE40 CH54 UNII-2A		

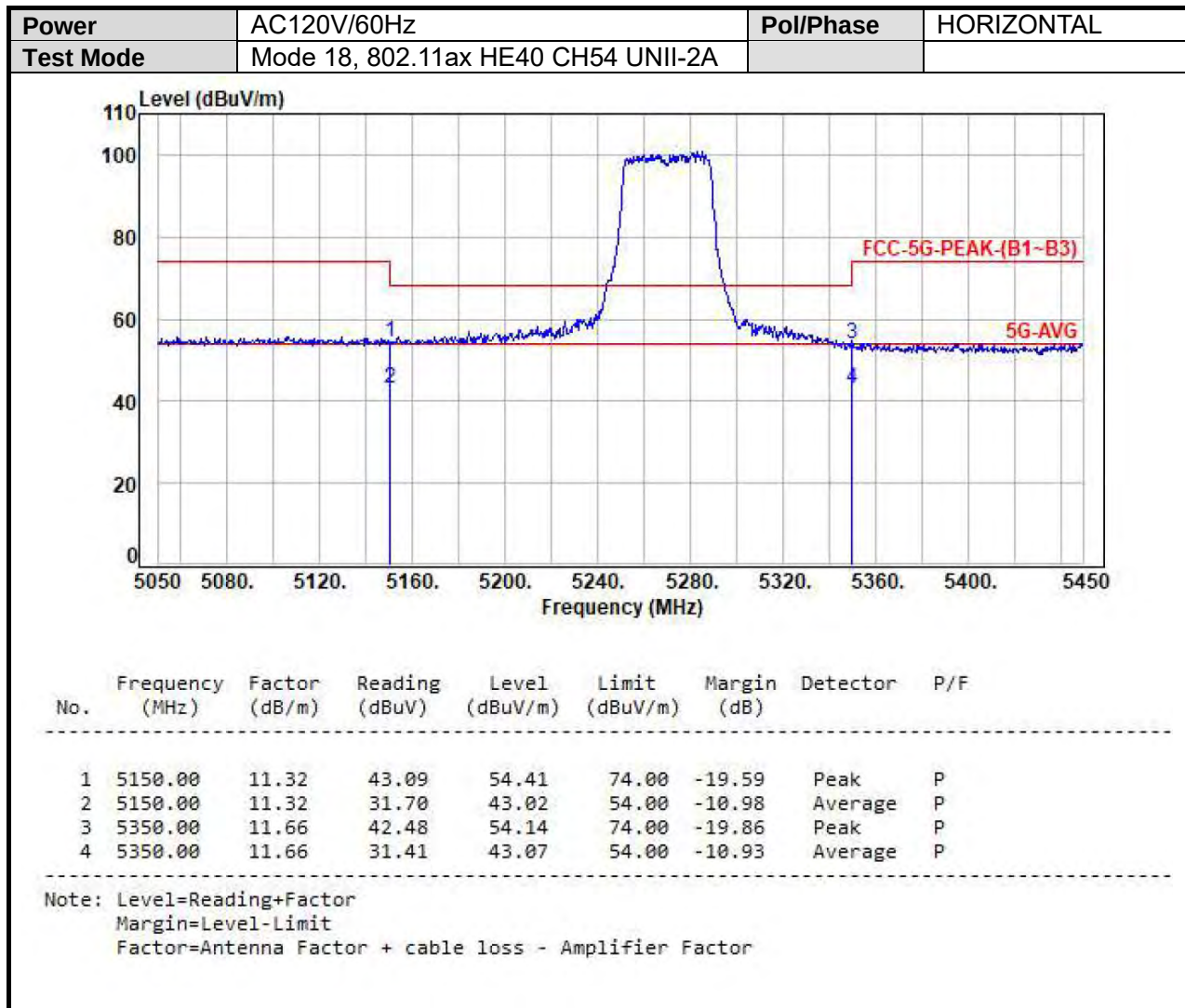


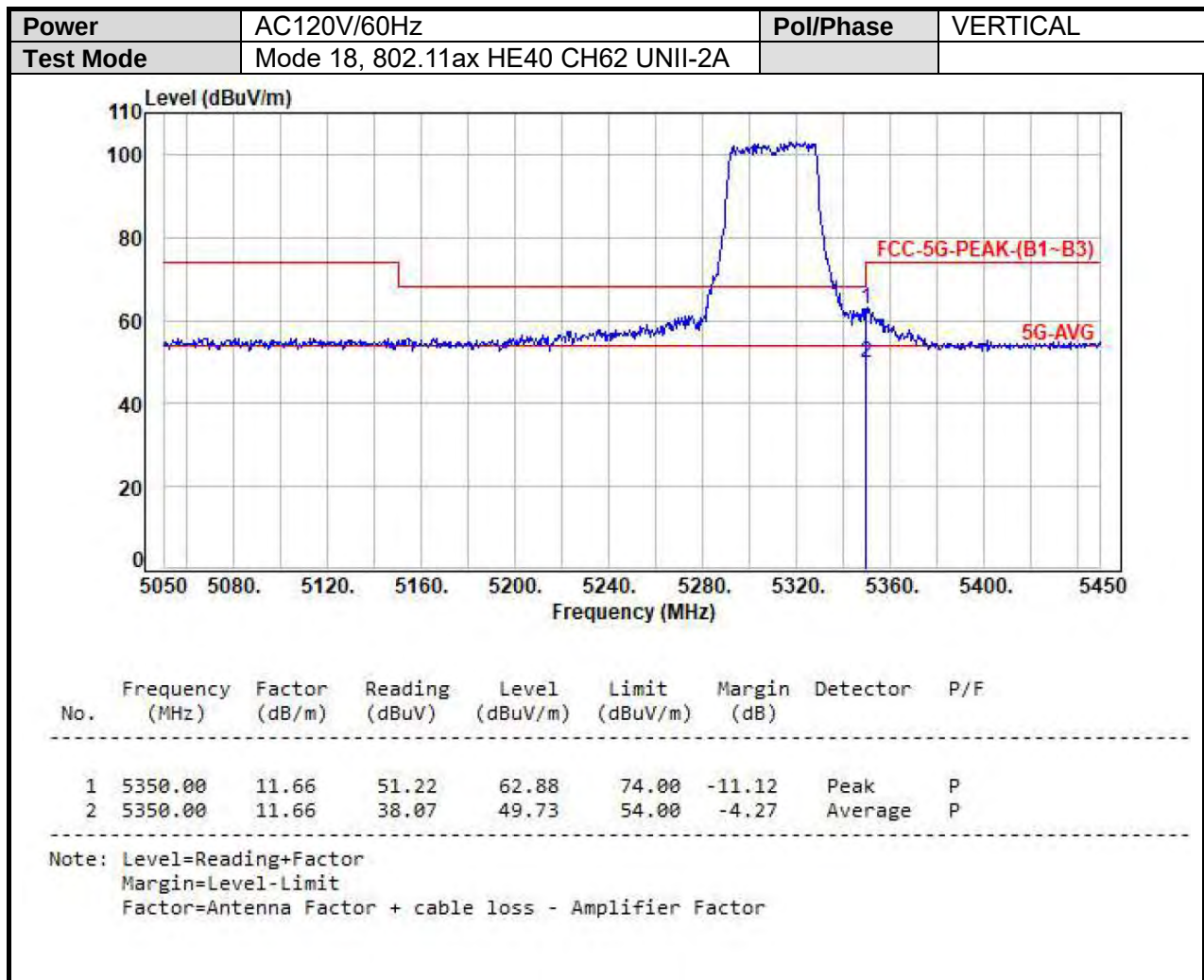
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	11.32	41.96	53.28	74.00	-20.72	Peak	P
2	5150.00	11.32	30.11	41.43	54.00	-12.57	Average	P
3	5350.00	11.66	41.76	53.42	74.00	-20.58	Peak	P
4	5350.00	11.66	29.54	41.20	54.00	-12.80	Average	P

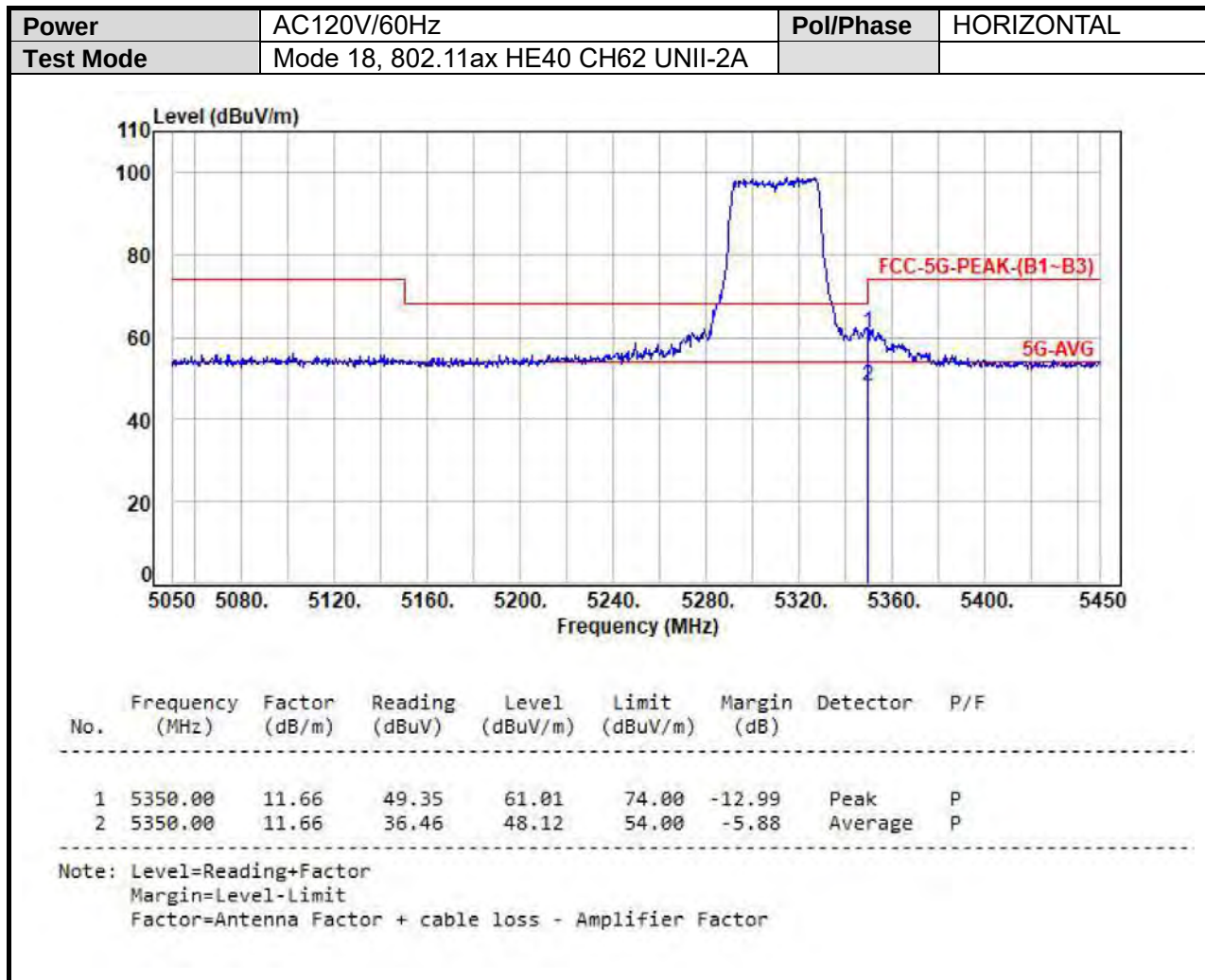
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

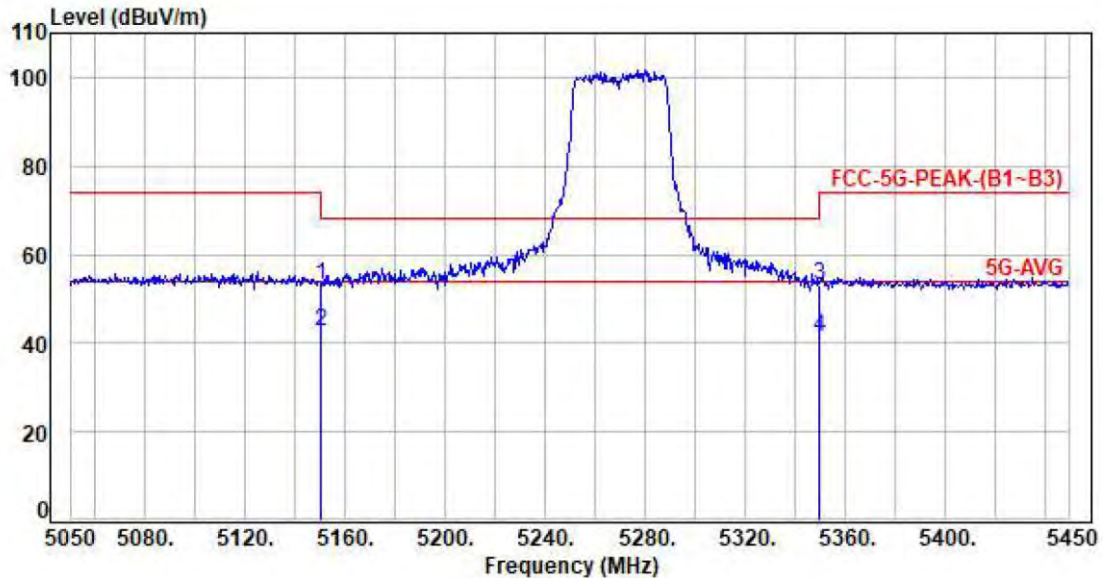






CRIUS N320-G1
MIMO

Power	AC120V/60Hz	Pol/Phase	VERTICAL
Test Mode	Mode 28, 802.11ax HE40 CH54 UNII-2A		

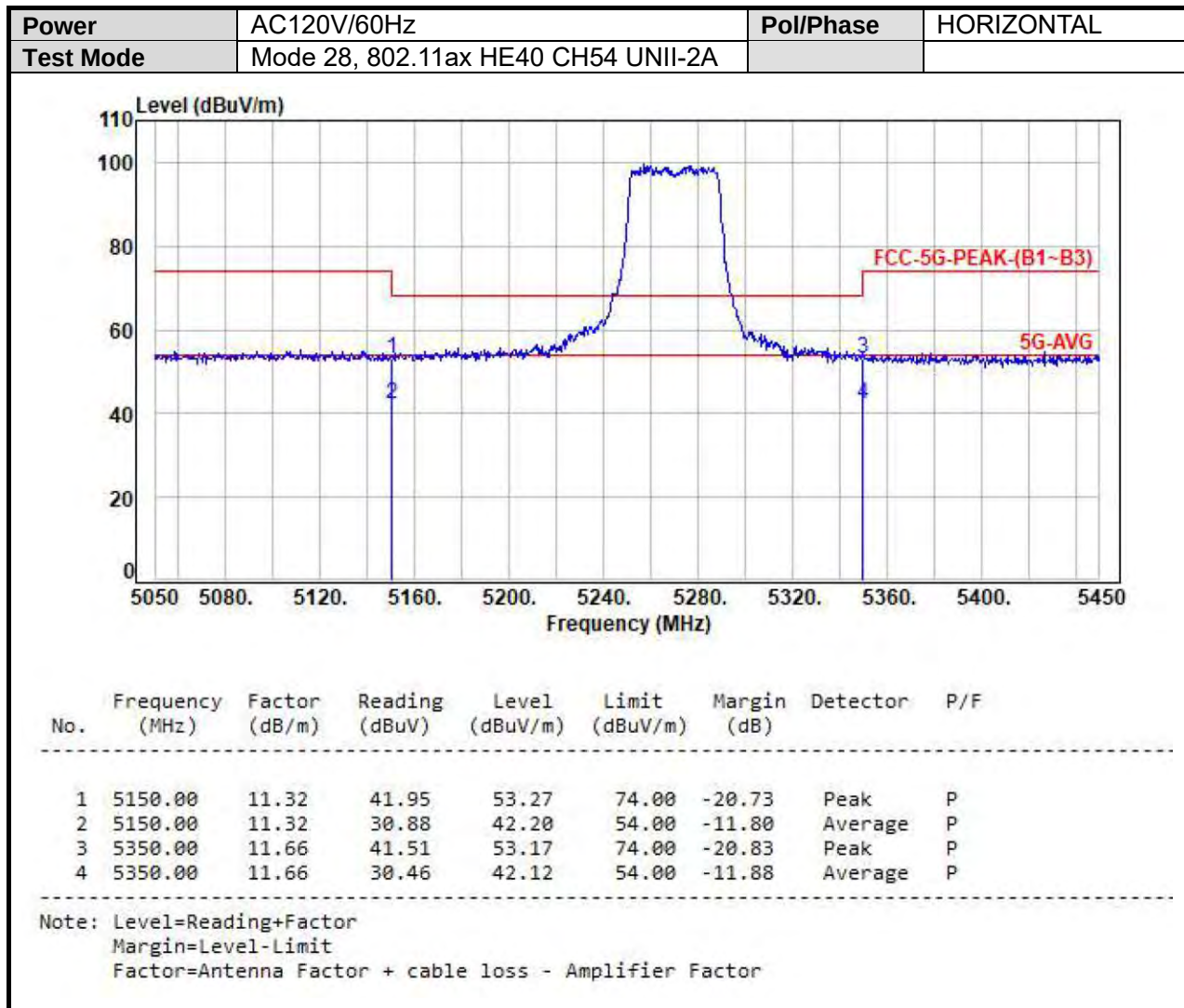


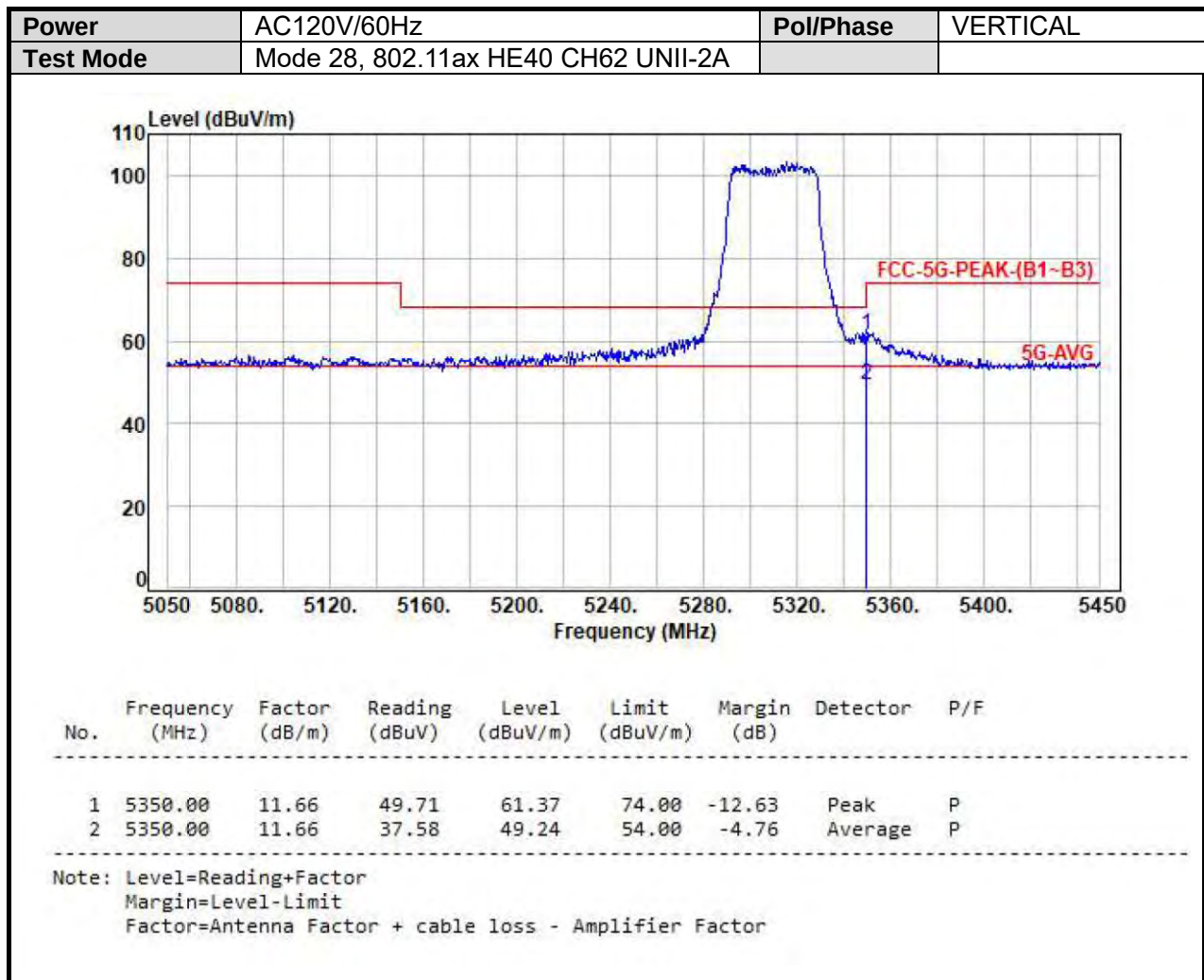
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5150.00	11.32	41.92	53.24	74.00	-20.76	Peak	P
2	5150.00	11.32	31.20	42.52	54.00	-11.48	Average	P
3	5350.00	11.66	41.60	53.26	74.00	-20.74	Peak	P
4	5350.00	11.66	29.65	41.31	54.00	-12.69	Average	P

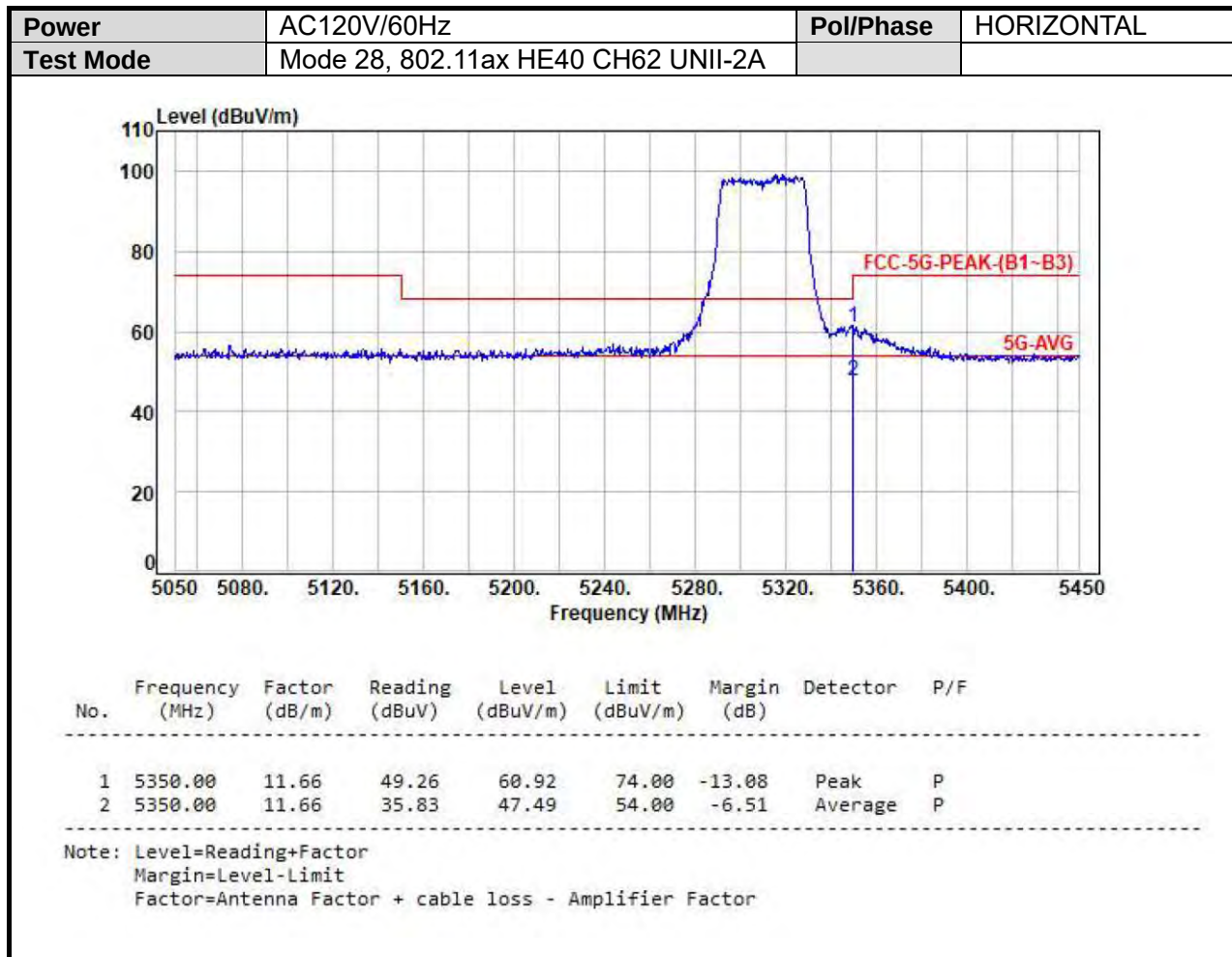
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor









7. On Time, Duty Cycle and Measurement methods

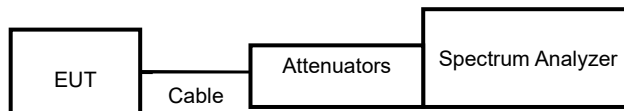
7.1. Test Limit

None; for reporting purposes only.

7.2. Test Procedure

KDB 789033 Zero-Span Spectrum Analyzer Method.

7.3. Test Setup Layout



7.4. Test Result and Data

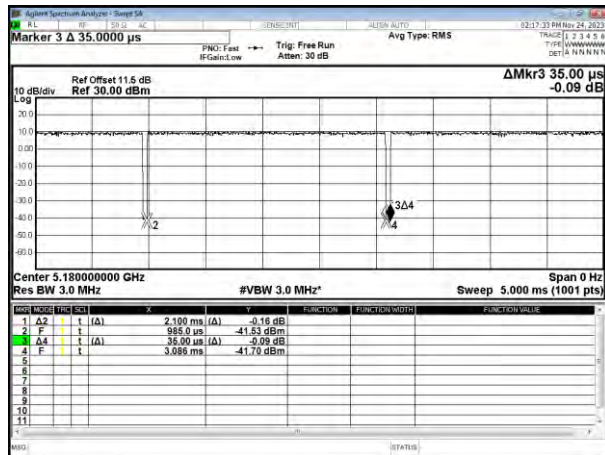
Modulation Mode	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11a	2.100	2.135	98.36%
802.11ac VHT20	3.960	3.996	99.10%
802.11ac VHT40	3.980	4.010	99.25%
802.11ac VHT80	3.978	4.014	99.10%
802.11ac VHT160	3.980	4.010	99.25%
802.11ax HE20	4.002	4.038	99.11%
802.11ax HE40	3.996	4.032	99.11%
802.11ax HE80	3.996	4.032	99.11%
802.11ax HE160	3.996	4.032	99.11%

7.5. Measurement Methods

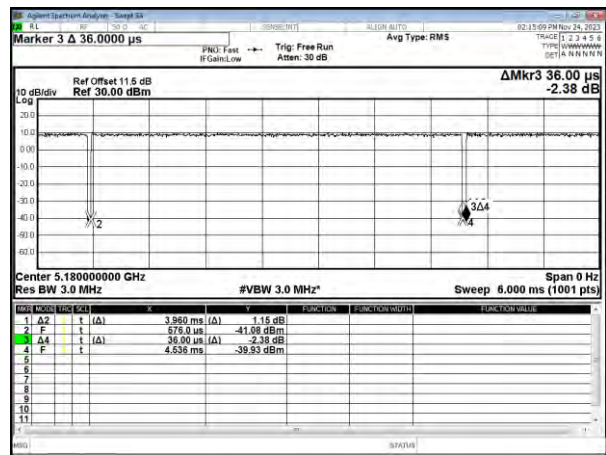
26 dB and 6dB Emission BW	KDB 789033 v02r01, Section C
99% Occupied BW	KDB 789033 v02r01, Section D
Conducted Output Power	KDB 789033 v02r01, Section E.2.d and E.3.b (Method PM-G)
Power Spectral Density	KDB 789033 v02r01, Section F
Unwanted emissions in restricted bands	KDB 789033 v02r01, Sections G and H
Unwanted emissions in non-restricted bands	KDB 789033 v02r01, Sections G and H



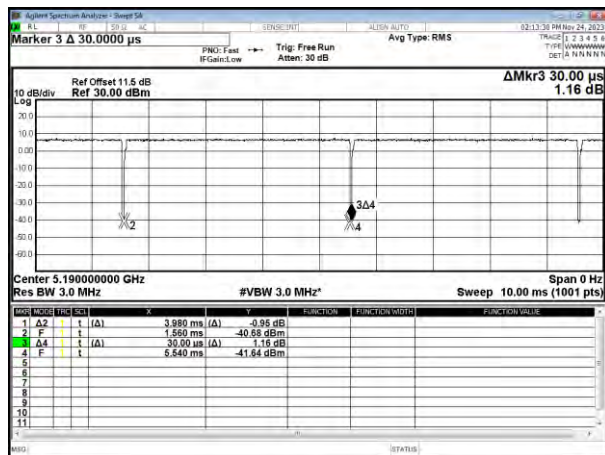
Modulation Type: 802.11a



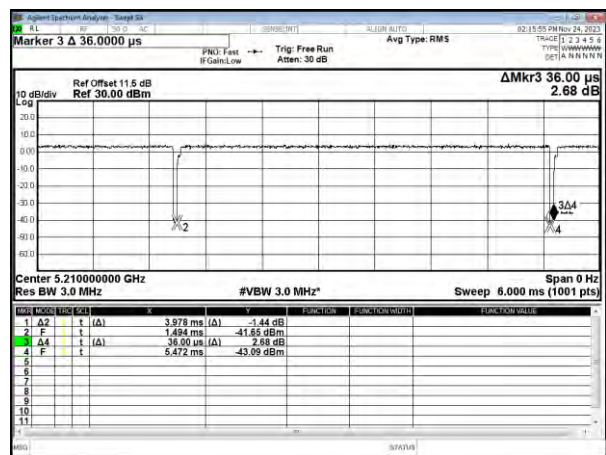
Modulation Type: 802.11ac VHT20



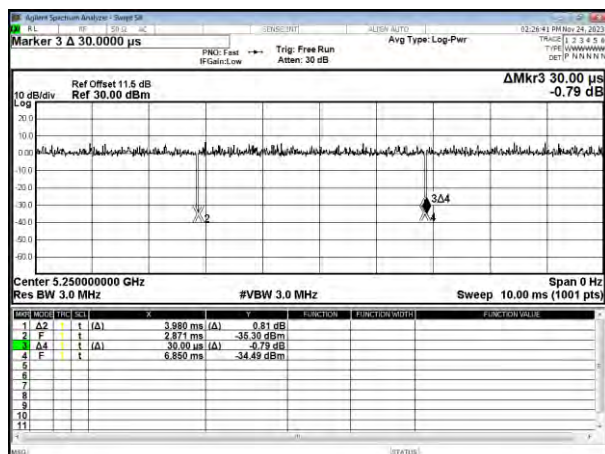
Modulation Type: 802.11ac VHT40



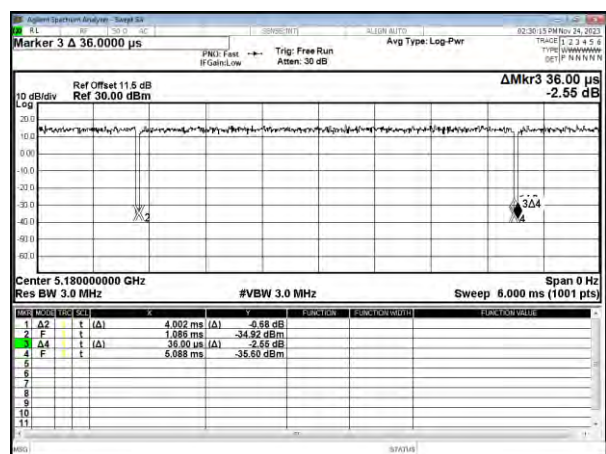
Modulation Type: 802.11ac VHT80



Modulation Type: 802.11ac VHT160

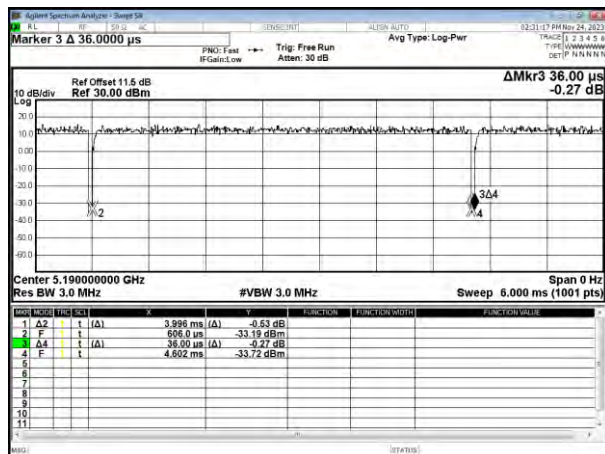


Modulation Type: 802.11ax HE20

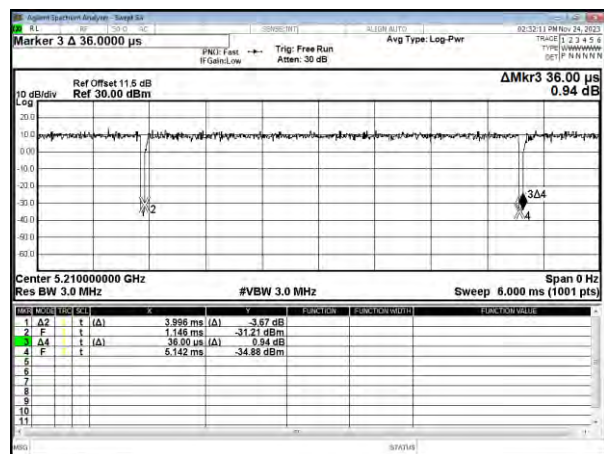




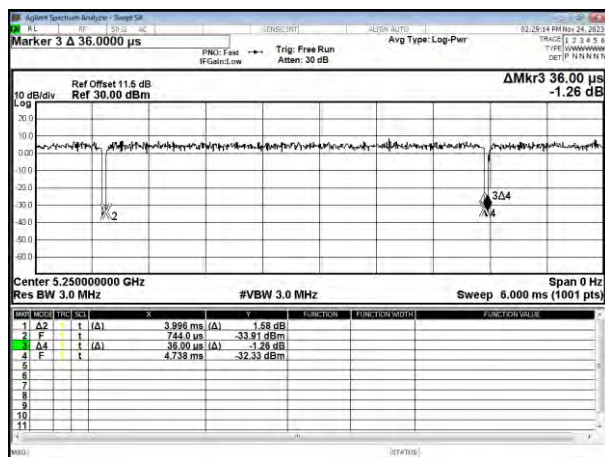
Modulation Type: 802.11ax HE40



Modulation Type: 802.11ax HE80



Modulation Type: 802.11ax HE160





8. 6dB Bandwidth & 99% Occupied Bandwidth

8.1. Test Limit

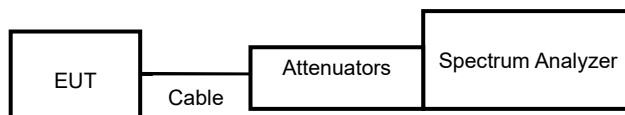
FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

8.2. Test Procedure

Reference to 789033 v02r01 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW set to 100KHz, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

8.3. Test Setup Layout



**8.4. Test Result and Data (6dB Bandwidth)**

In the 5.8GHz Band

SISO

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
			ANT A	
802.11a	149	5745	13.23	0.50
	157	5785	10.51	0.50
	165	5825	15.12	0.50
802.11ac VHT20	149	5745	16.68	0.50
	157	5785	14.46	0.50
	165	5825	14.48	0.50
802.11ac VHT40	155	5755	32.34	0.50
	159	5795	30.40	0.50
802.11ac VHT80	155	5775	74.75	0.50
802.11ax HE20	149	5745	18.22	0.50
	157	5785	18.28	0.50
	165	5825	17.97	0.50
802.11ax HE40	155	5755	31.82	0.50
	159	5795	37.60	0.50
802.11ax HE80	155	5775	76.43	0.50

UNII Emission Bandwidth Result (Extends across 5725MHz band)

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
			ANT A	
11a	144	5720	2.61	0.50
11ac VHT20	144	5720	2.61	0.50
11ac VHT40	142	5710	3.18	0.50
11ac VHT80	138	5690	2.87	0.50
11ax HE20	144	5720	2.62	0.50
11ax HE40	142	5710	3.87	0.50
11ax HE80	138	5690	3.71	0.50



MIMO

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)
			ANT A	ANT B	
802.11ac VHT20	149	5745	15.43	16.08	0.50
	157	5785	12.96	15.12	0.50
	165	5825	15.34	16.28	0.50
802.11ac VHT40	155	5755	34.15	30.05	0.50
	159	5795	33.83	32.61	0.50
802.11ac VHT80	155	5775	71.41	71.33	0.50
802.11ax HE20	149	5745	18.39	15.07	0.50
	157	5785	16.95	16.38	0.50
	165	5825	11.60	14.53	0.50
802.11ax HE40	155	5755	30.58	32.37	0.50
	159	5795	32.78	33.83	0.50
802.11ax HE80	155	5775	75.07	66.38	0.50

UNII Emission Bandwidth Result (Extends across 5725MHz band)

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	
			ANT A	ANT B
11ac VHT20	144	5720	2.62	2.61
11ac VHT40	142	5710	3.22	3.18
11ac VHT80	138	5690	3.18	3.15
11ax HE20	144	5720	4.14	2.62
11ax HE40	142	5710	3.94	3.82
11ax HE80	138	5690	3.93	3.84

**8.5. Test Result and Data (99% Occupied Bandwidth)**

In the 5.8GHz Band

SISO

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
802.11a	149	5745	17.00
	157	5785	16.95
	165	5825	16.88
802.11ac VHT20	149	5745	17.99
	157	5785	17.92
	165	5825	17.93
802.11ac VHT40	155	5755	36.65
	159	5795	36.80
802.11ac VHT80	155	5775	75.38
802.11ax HE20	149	5745	19.02
	157	5785	18.98
	165	5825	19.06
802.11ax HE40	155	5755	37.75
	159	5795	37.78
802.11ax HE80	155	5775	76.94

UNII Emission Bandwidth Result (Extends across 5725MHz band)

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)
			ANT A
11a	144	5720	5.70
11ac VHT20	144	5720	5.42
11ac VHT40	142	5710	10.00
11ac VHT80	138	5690	30.42
11ax HE20	144	5720	5.40
11ax HE40	142	5710	6.66
11ax HE80	138	5690	14.09

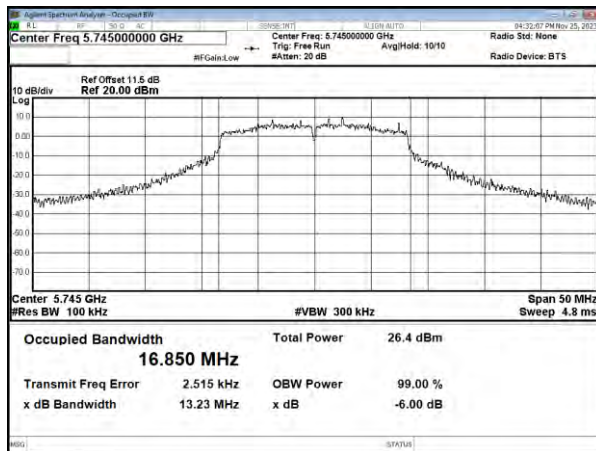
**MIMO**

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
802.11ac VHT20	149	5745	17.92	17.78
	157	5785	17.80	17.78
	165	5825	17.85	17.84
802.11ac VHT40	155	5755	36.09	36.11
	159	5795	36.10	36.06
802.11ac VHT80	155	5775	75.04	75.16
802.11ax HE20	149	5745	18.96	18.90
	157	5785	18.93	18.89
	165	5825	18.96	18.96
802.11ax HE40	155	5755	37.60	37.65
	159	5795	37.58	37.57
802.11ax HE80	155	5775	76.58	76.82

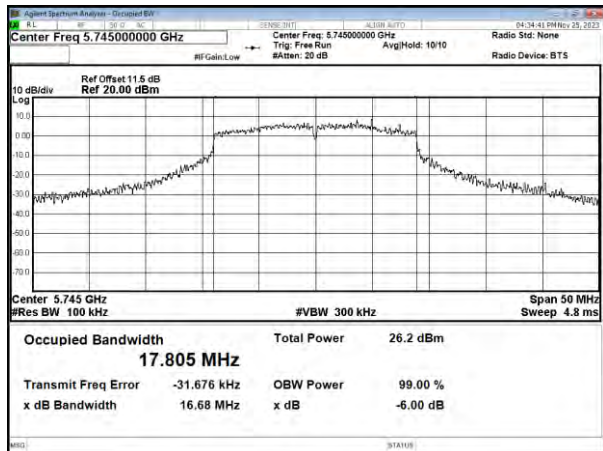
Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11ac VHT20	144	5720	5.95	5.99
11ac VHT40	142	5710	8.37	7.38
11ac VHT80	138	5690	34.87	43.53
11ax HE20	144	5720	5.69	5.61
11ax HE40	142	5710	6.42	6.49
11ax HE80	138	5690	20.97	24.07



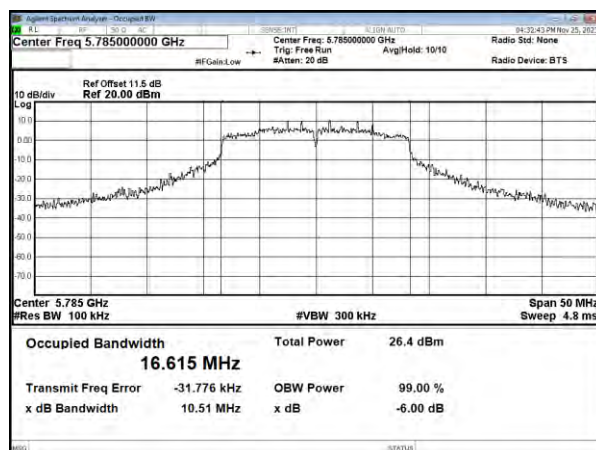
SISO (ANT A)
6dB Bandwidth
Modulation Type: 802.11a
CH149



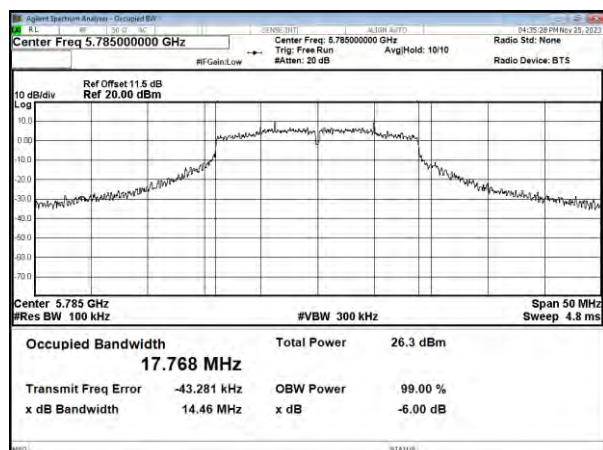
Modulation Type: 802.11ac, VHT20
CH149



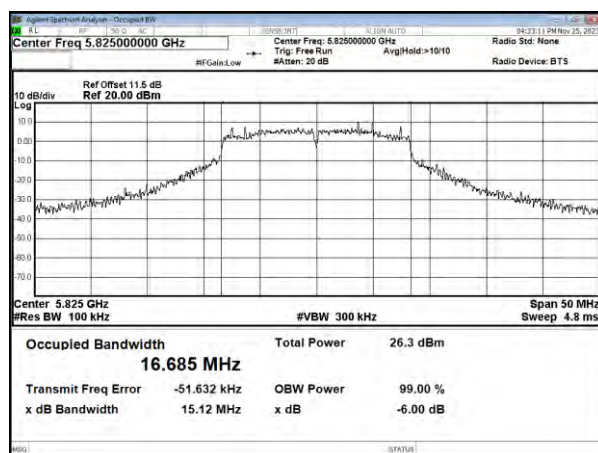
CH157



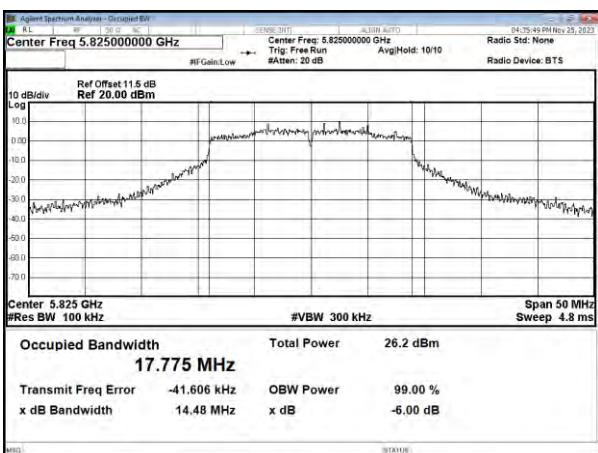
CH157



CH165

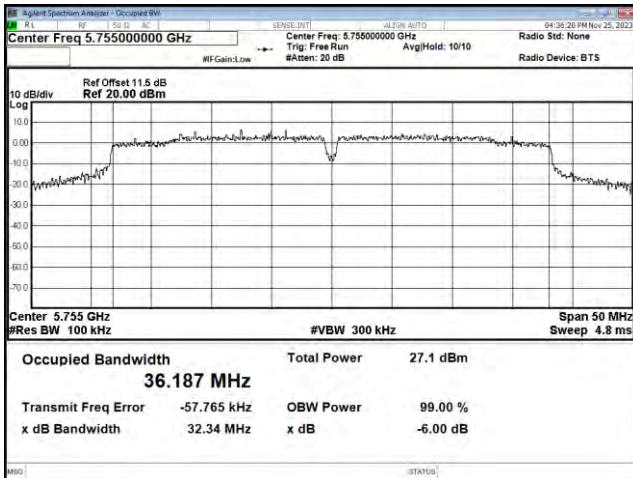


CH165

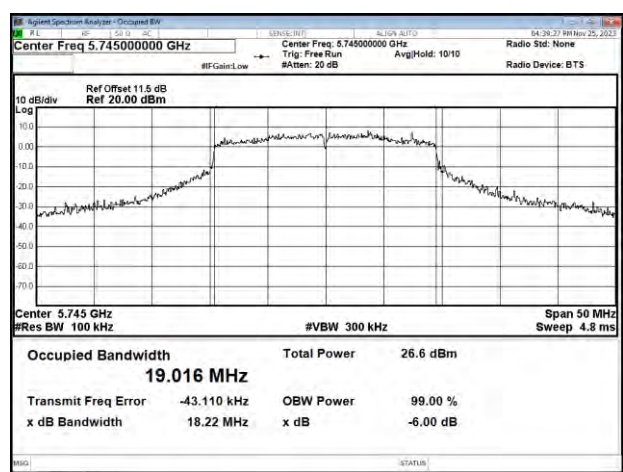




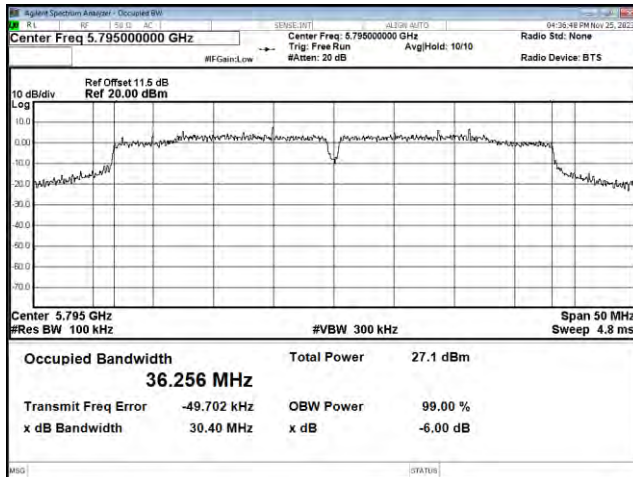
6dB Bandwidth
Modulation Type: 802.11ac, VHT40
CH151



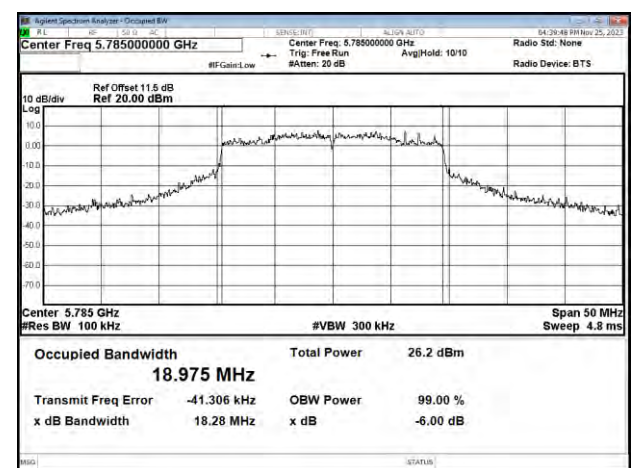
Modulation Type: 802.1111ax HE20
CH149



CH159

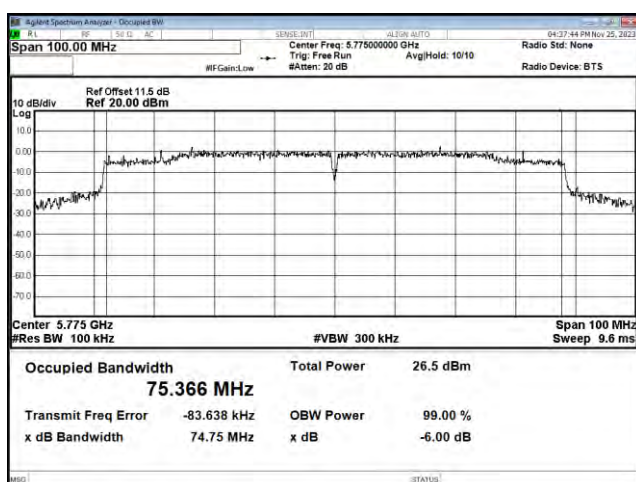


CH157

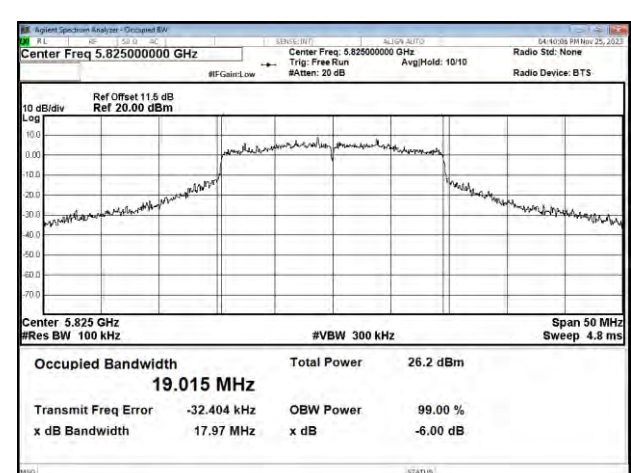


Modulation Type: 802.11ac, VHT80

CH155



CH165

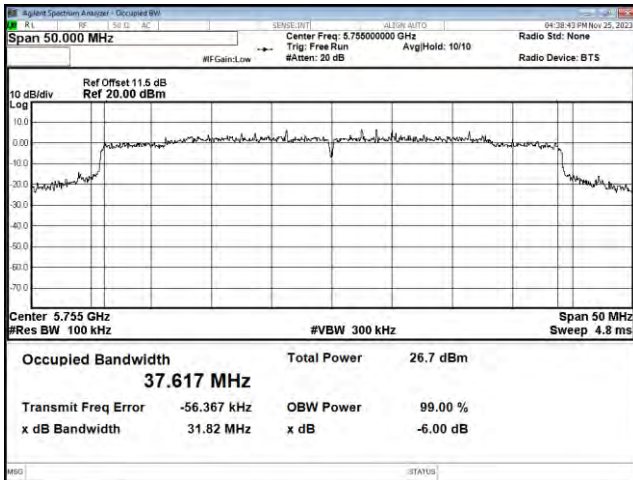




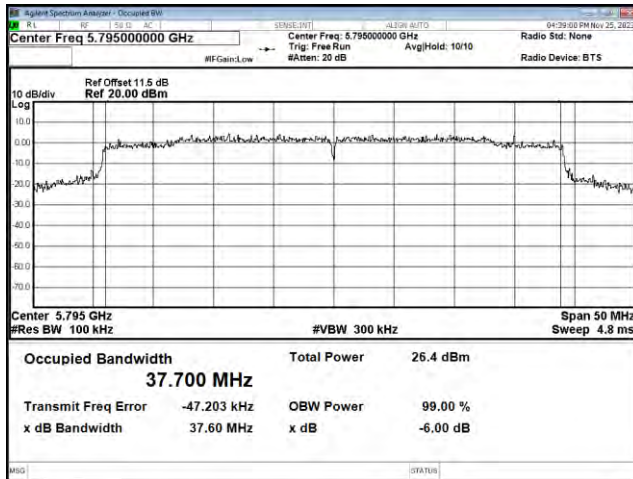
6dB Bandwidth

Modulation Type: 802.11 ax HE40

CH151

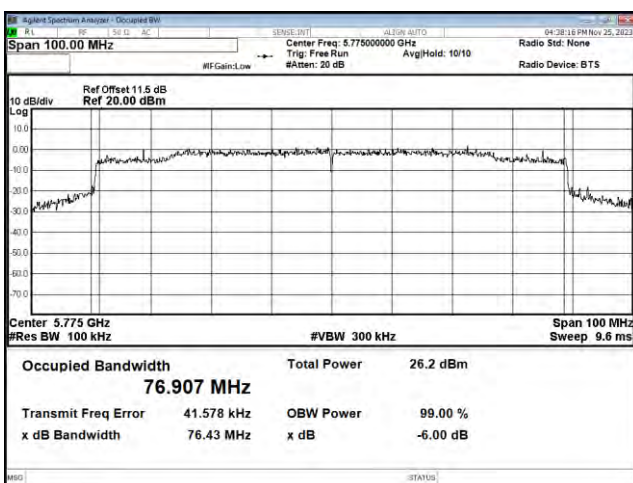


CH159



Modulation Type: 802.11ax HE80

CH155

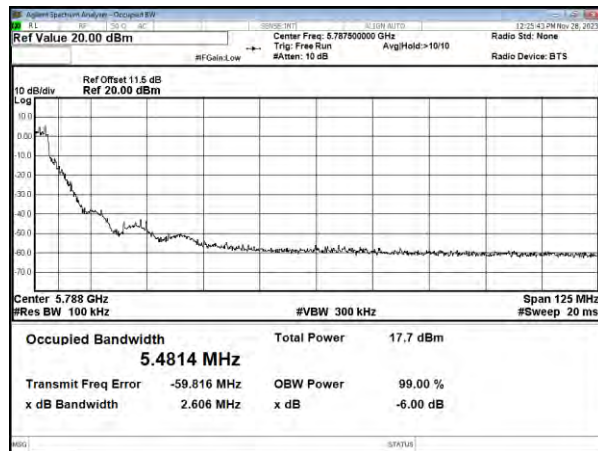




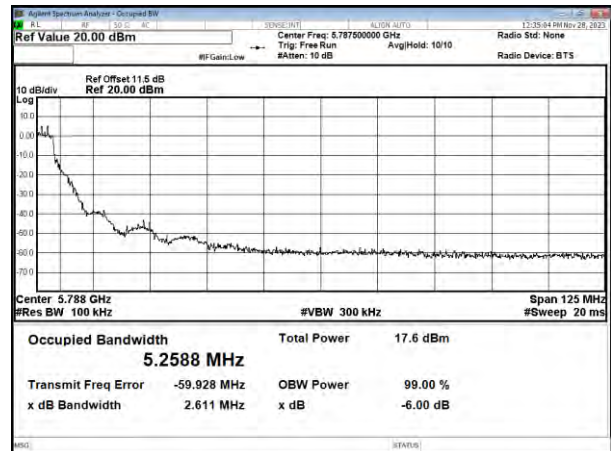
6dB Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

Modulation Standard: 802.11a

CH144

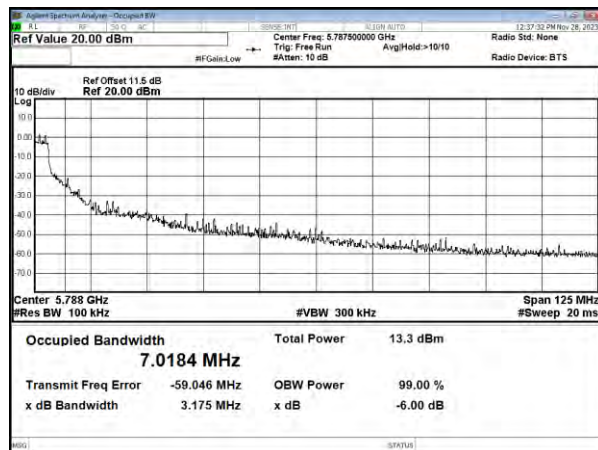


CH144



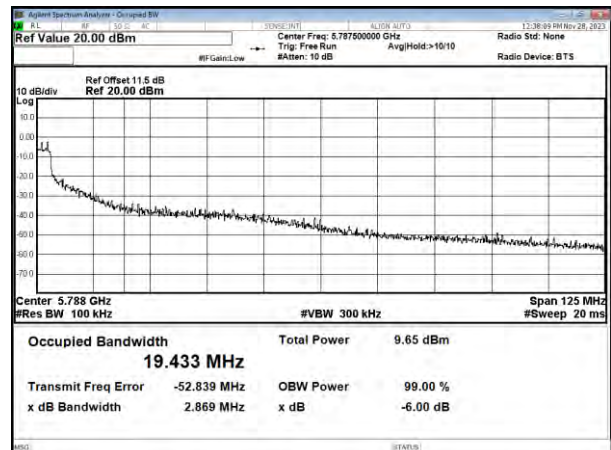
Modulation Standard: 802.11ac VHT40

CH142



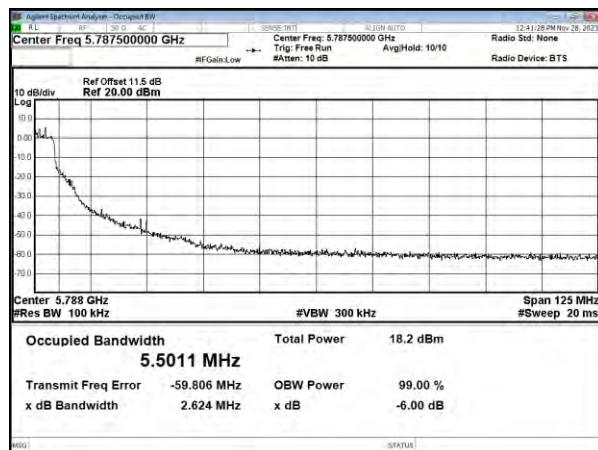
Modulation Standard: 802.11ac VHT80

CH138



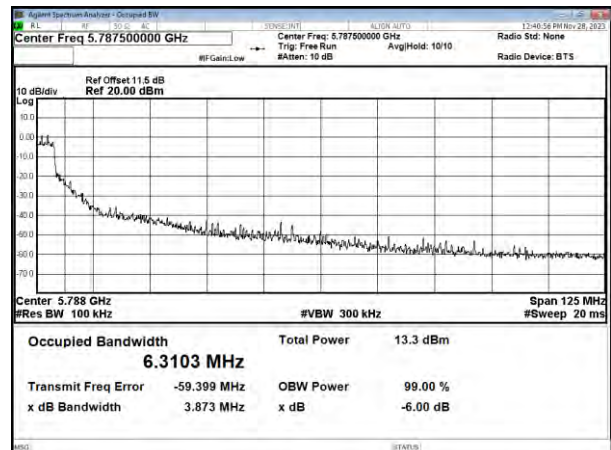
Modulation Standard: 802.11 ax HE20

CH144



Modulation Standard: 802.11 ax HE40

CH142

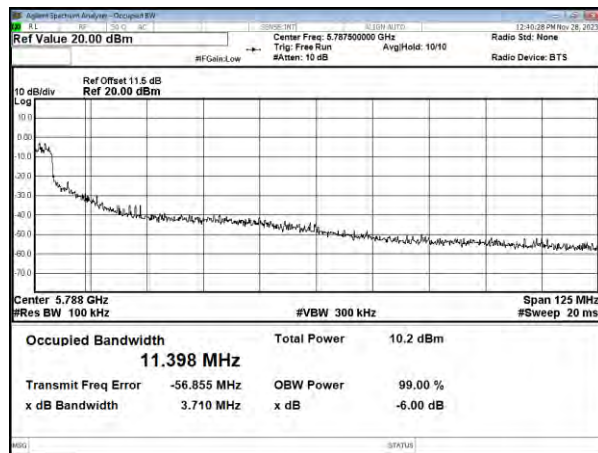




6dB Bandwidth (Extends across 5725MHz band)

Modulation Standard: 802.11 ax HE80

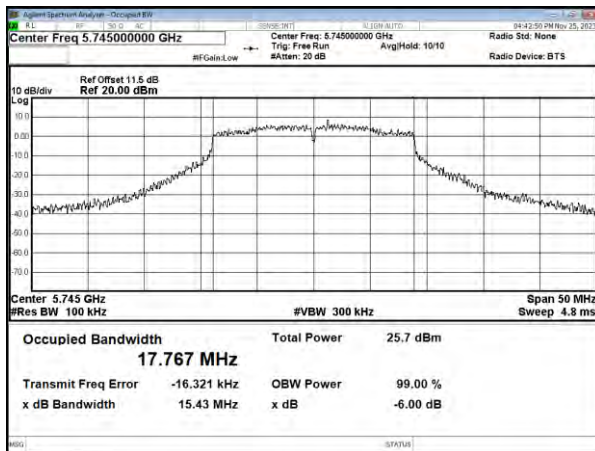
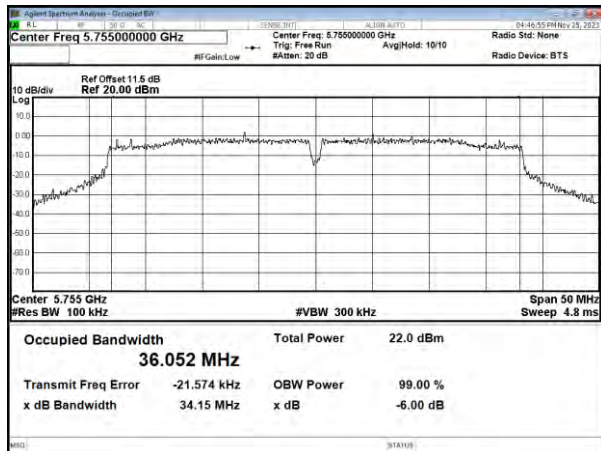
CH138



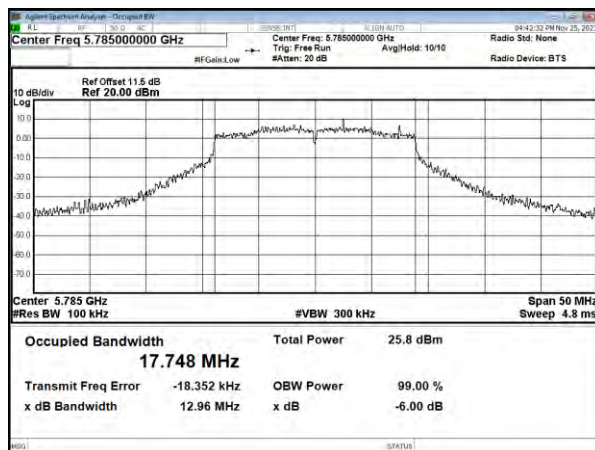


MIMO (ANT A)

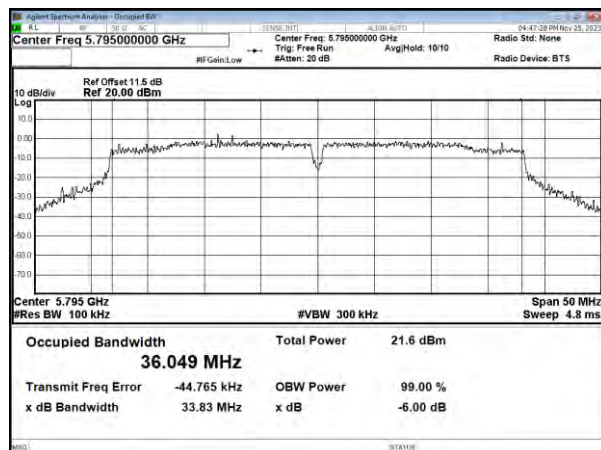
6dB Bandwidth

Modulation Type: 802.11ac, VHT20
CH149Modulation Type: 802.11ac, VHT40
CH151

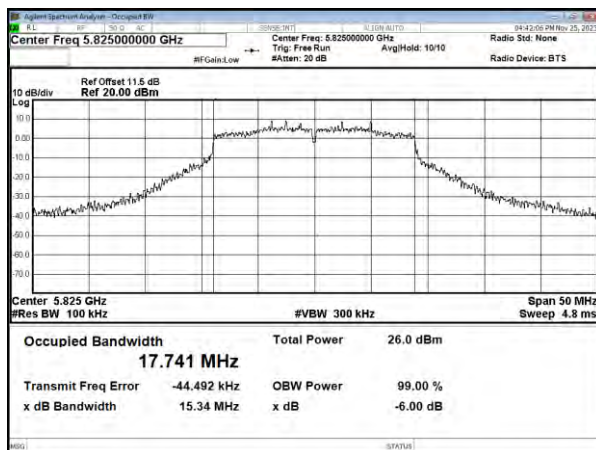
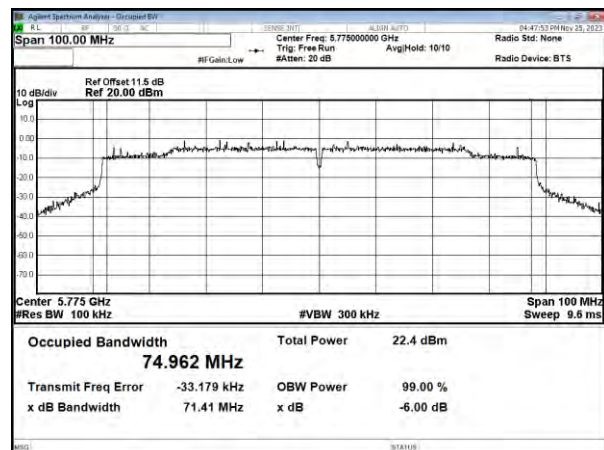
CH157



CH159

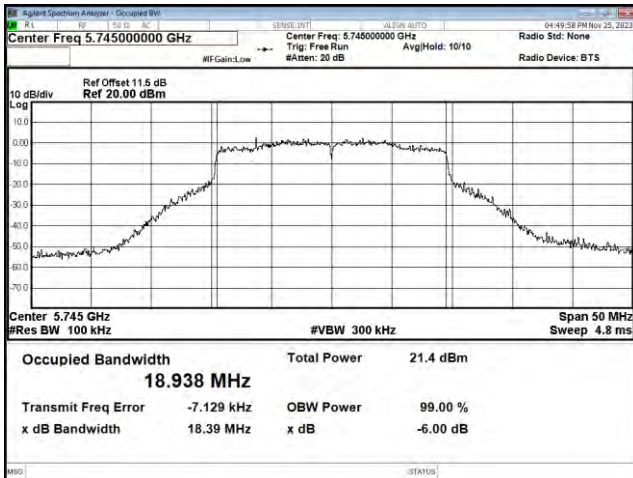


CH165

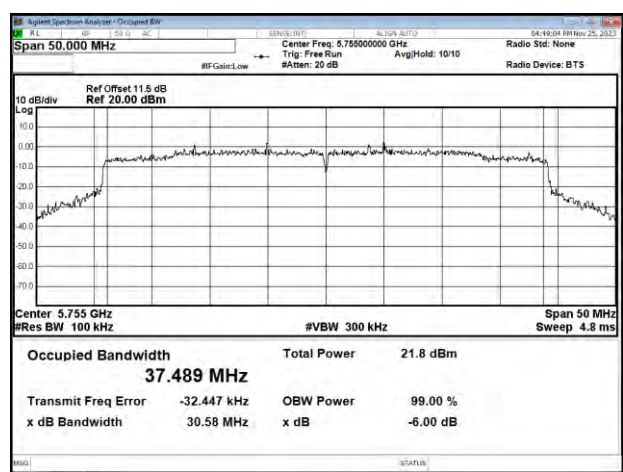
Modulation Type: 802.11ac, VHT80
CH155



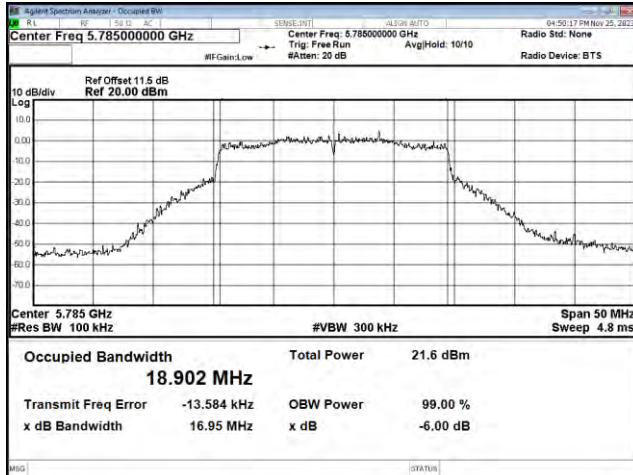
6dB Bandwidth
Modulation Type: 802.11ax HE20
CH149



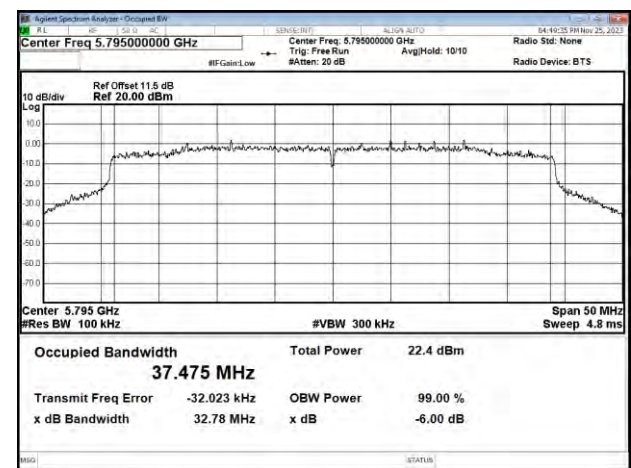
Modulation Type: 802.11 ax HE40
CH151



CH157

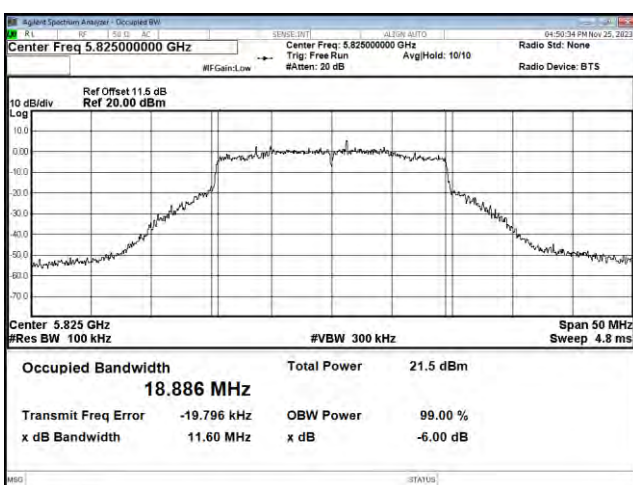


CH159

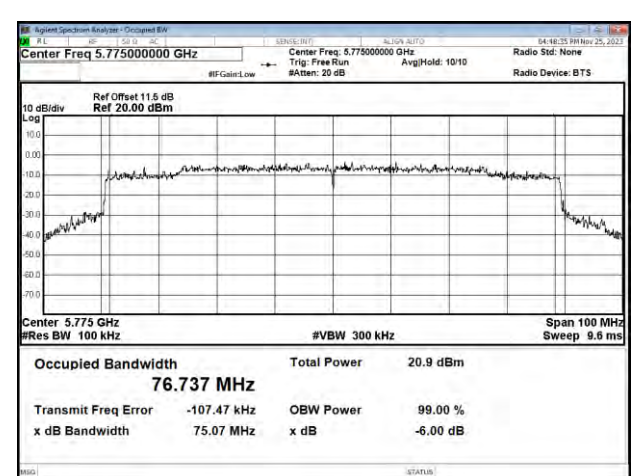


Modulation Type: 802.11ax HE80

CH165



CH155

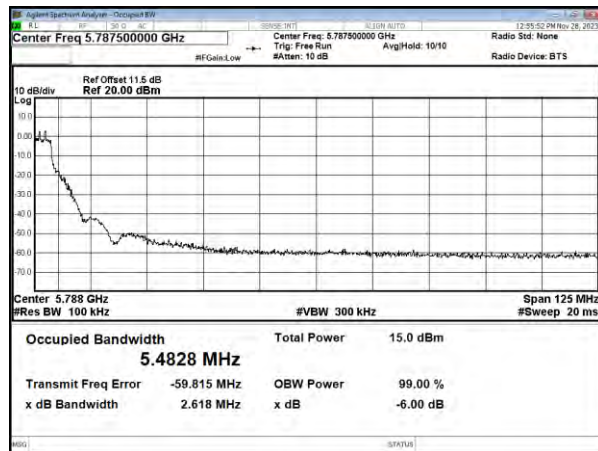




6dB Bandwidth (Extends across 5725MHz band)

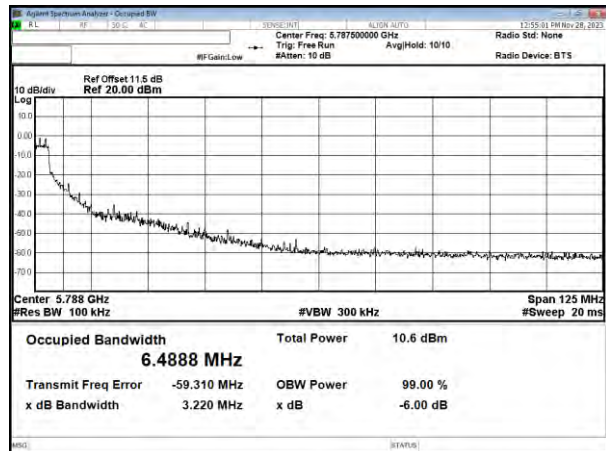
Modulation Standard: 802.11ac VHT20

CH144



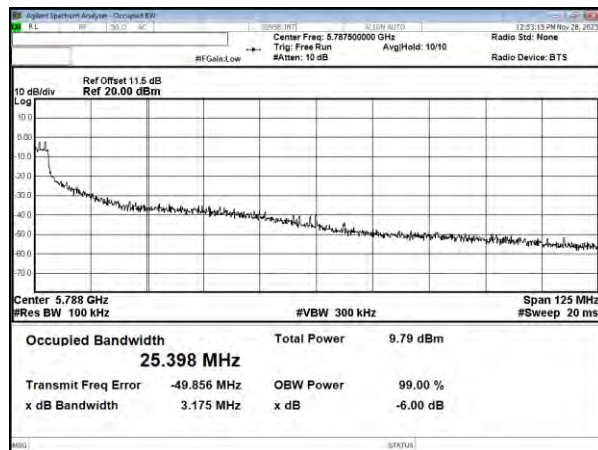
Modulation Standard: 802.11ac VHT40

CH142



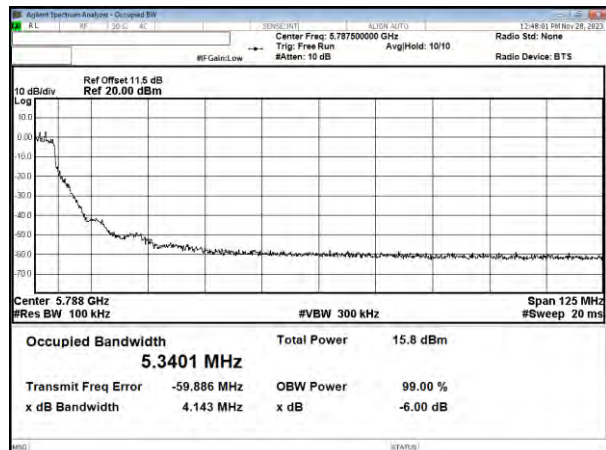
Modulation Standard: 802.11ac VHT80

CH138



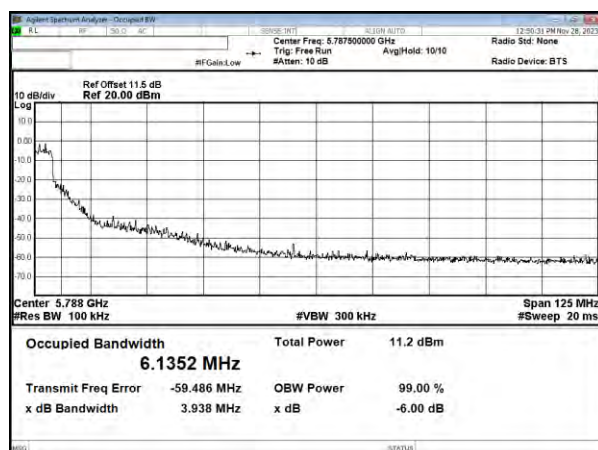
Modulation Standard: 802.11 ax HE20

CH144



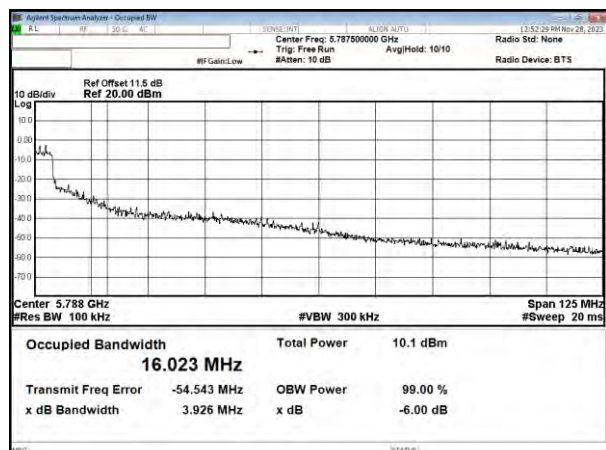
Modulation Standard: 802.11 ax HE40

CH142



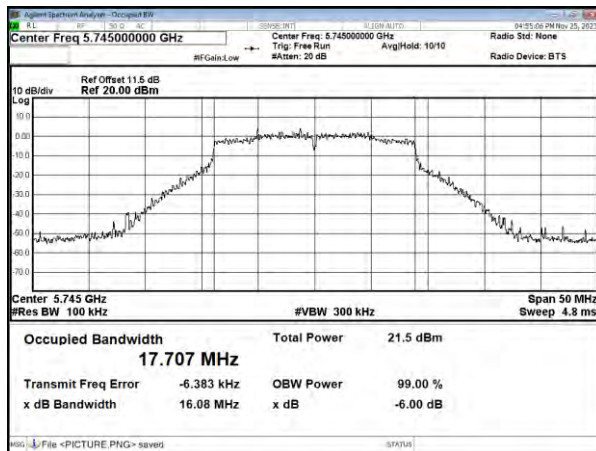
Modulation Standard: 802.11 ax HE80

CH138

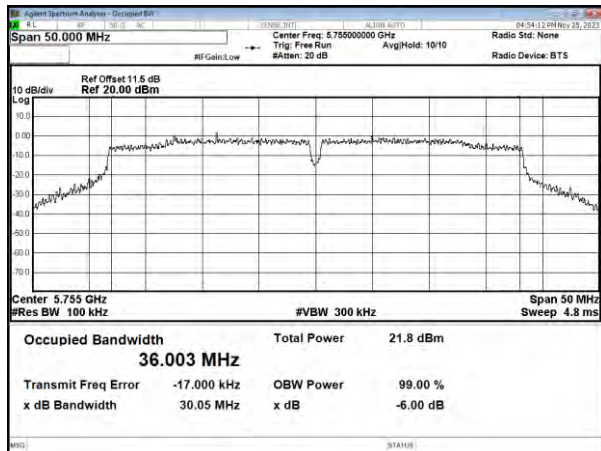




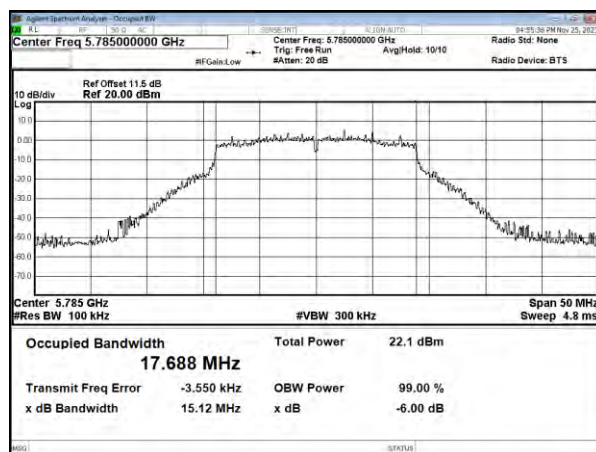
MIMO (ANT B)
6dB Bandwidth
Modulation Type: 802.11ac, VHT20
CH149



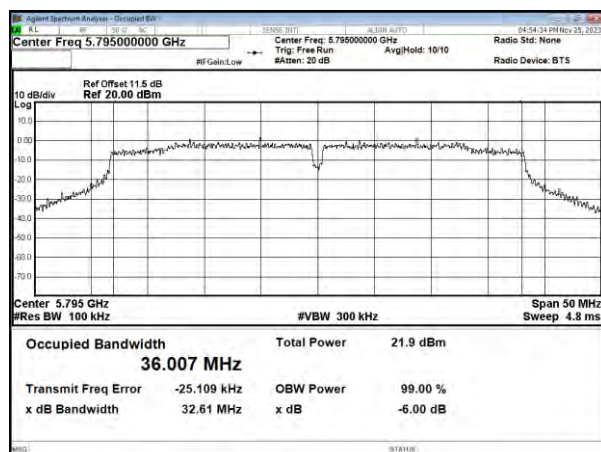
Modulation Type: 802.11ac, VHT40
CH151



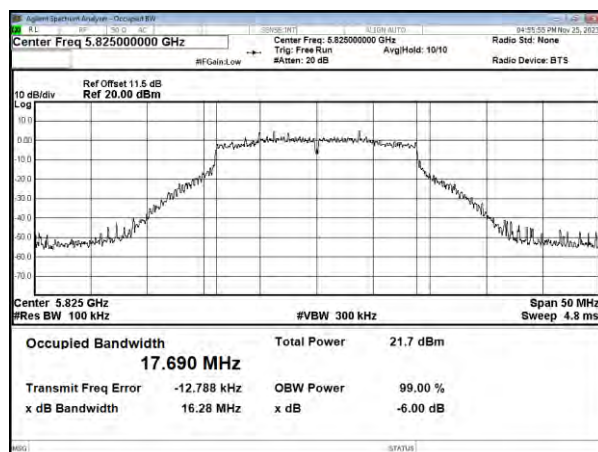
CH157



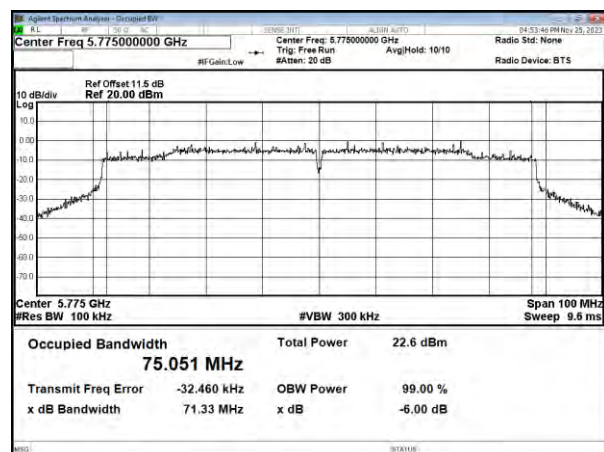
CH159



CH165

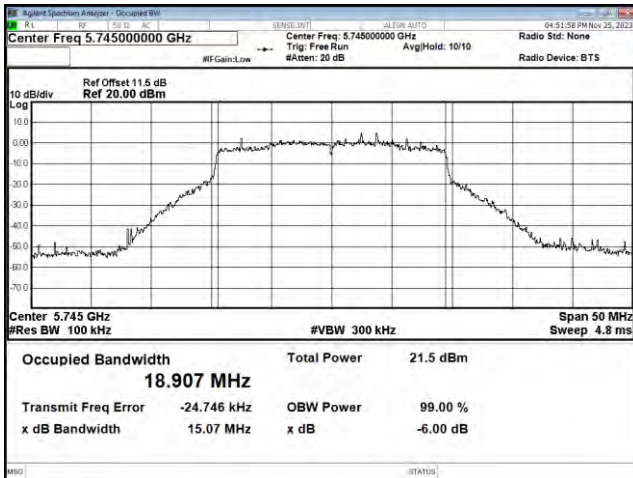


Modulation Type: 802.11ac, VHT80
CH155

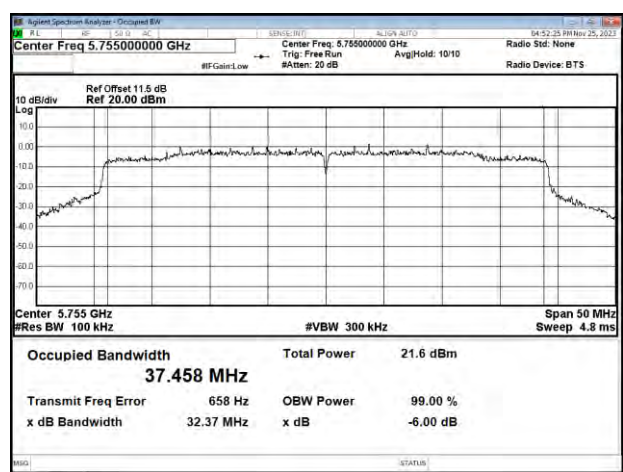




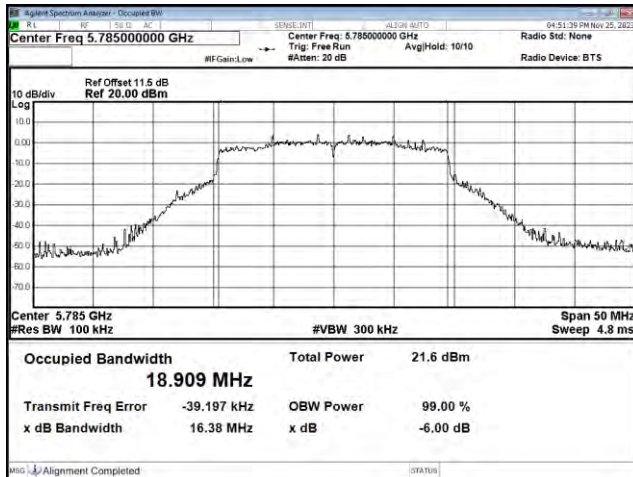
6dB Bandwidth
Modulation Type: 802.11ax HE20
CH149



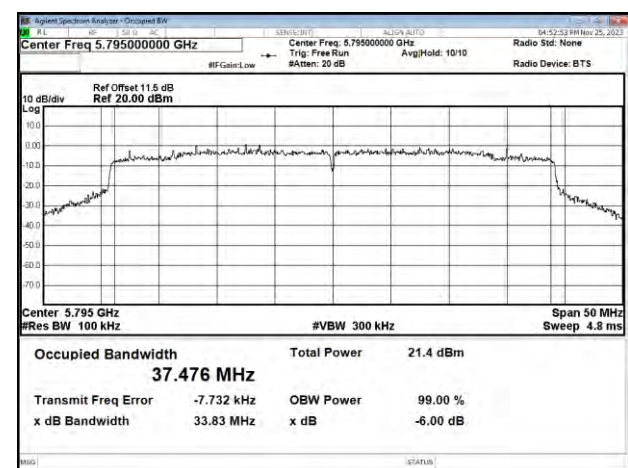
Modulation Type: 802.11 ax HE40
CH151



CH157

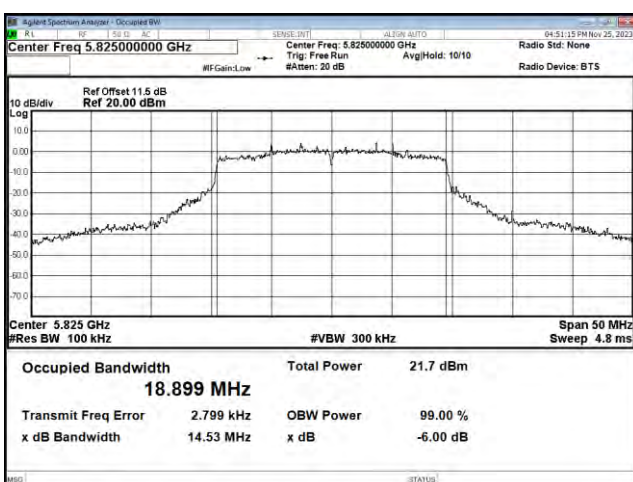


CH159

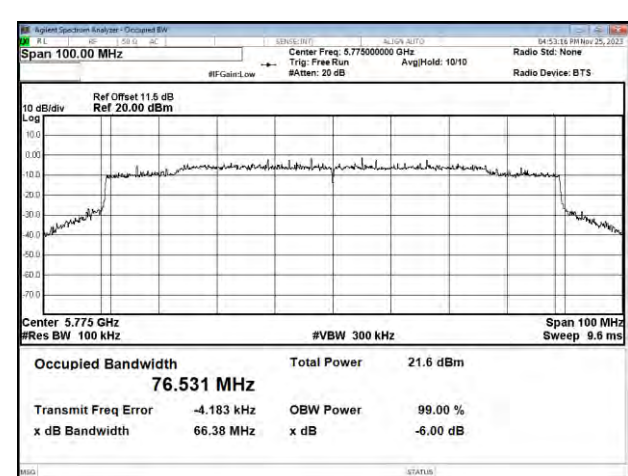


Modulation Type: 802.11ax HE80

CH165



CH155

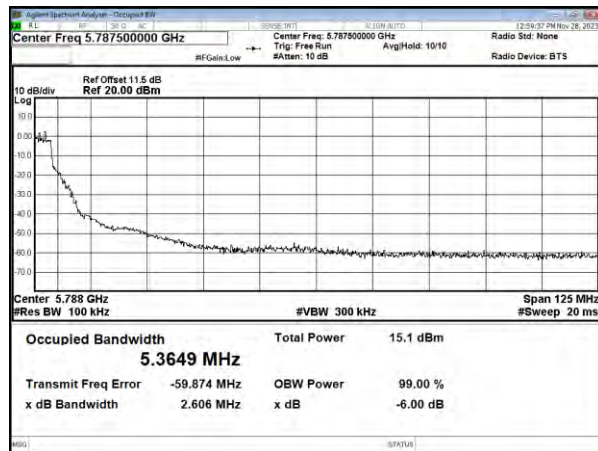




6dB Bandwidth (Extends across 5725MHz band))

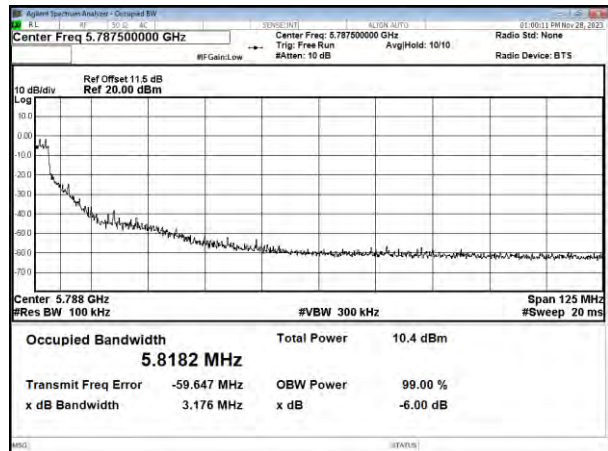
Modulation Standard: 802.11ac VHT20

CH144



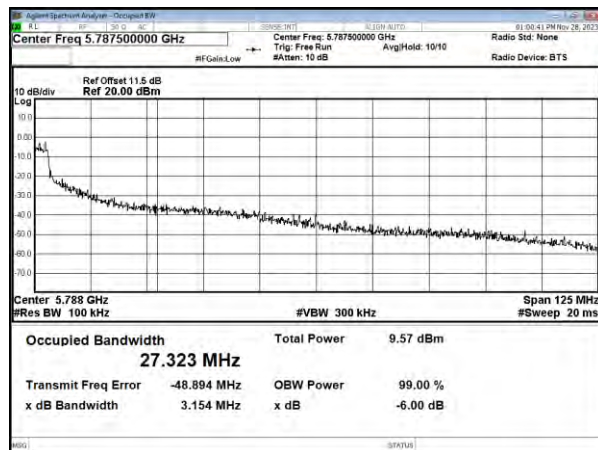
Modulation Standard: 802.11ac VHT40

CH142



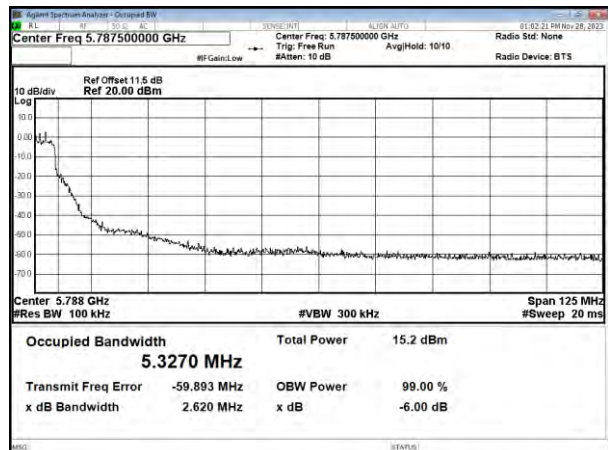
Modulation Standard: 802.11ac VHT80

CH138



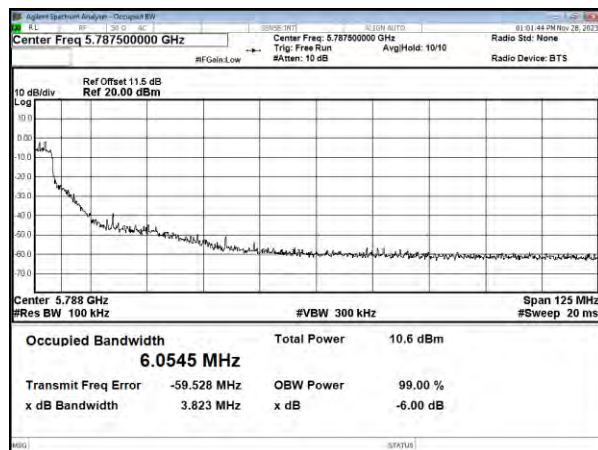
Modulation Standard: 802.11 ax HE20

CH144



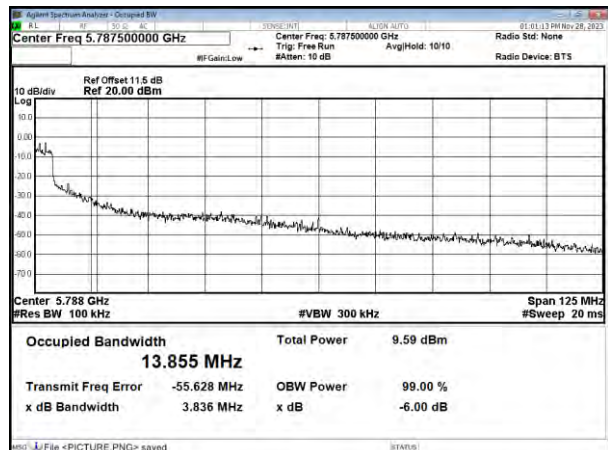
Modulation Standard: 802.11 ax HE40

CH142



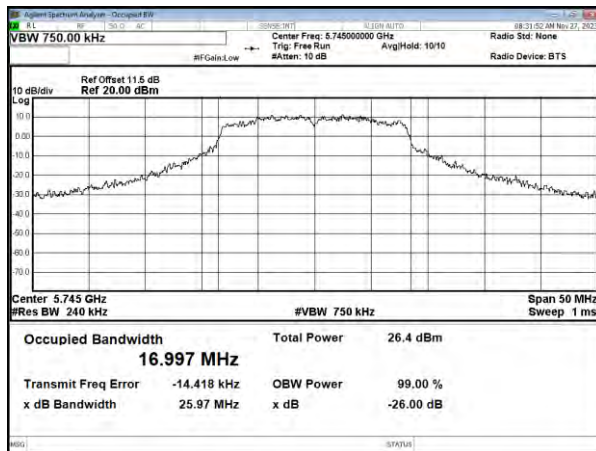
Modulation Standard: 802.11 ax HE80

CH138

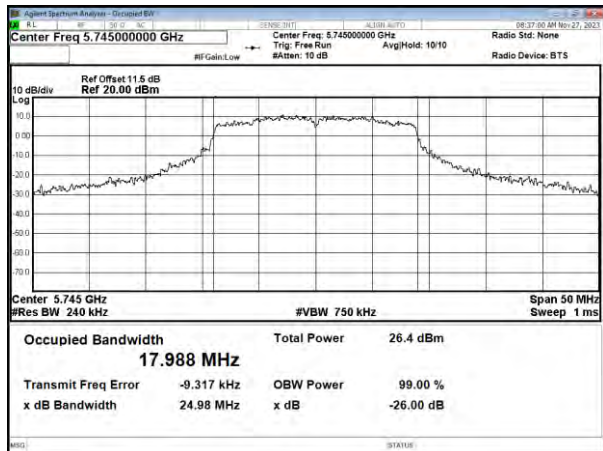




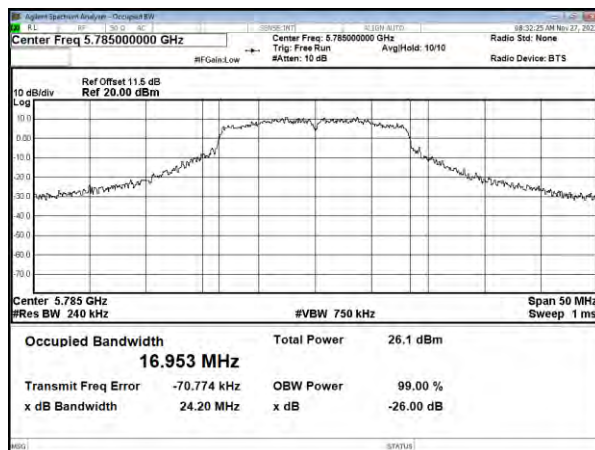
SISO (ANT A)
99% Occupied Bandwidth
Modulation Type: 802.11a
CH149



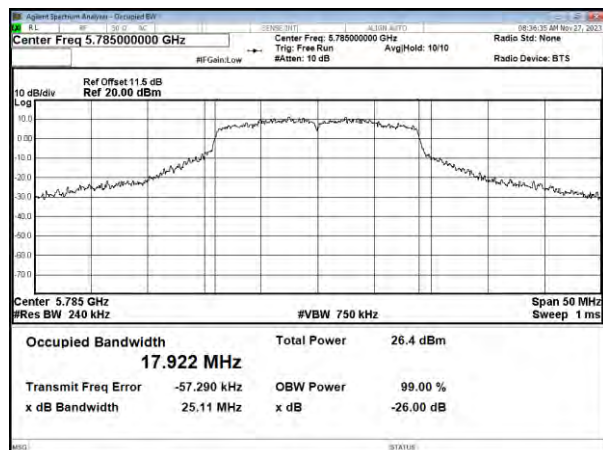
Modulation Type: 802.11ac, VHT20
CH149



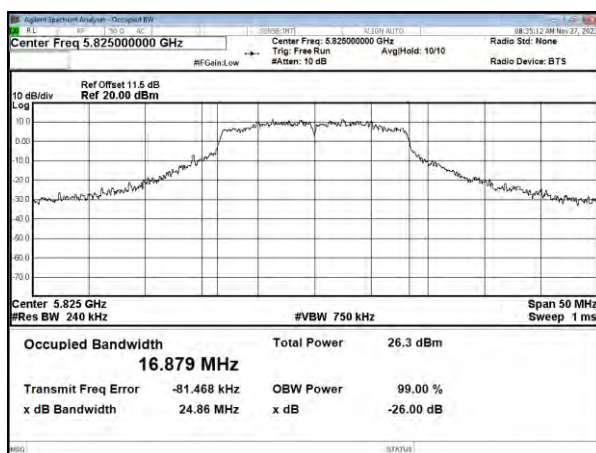
CH157



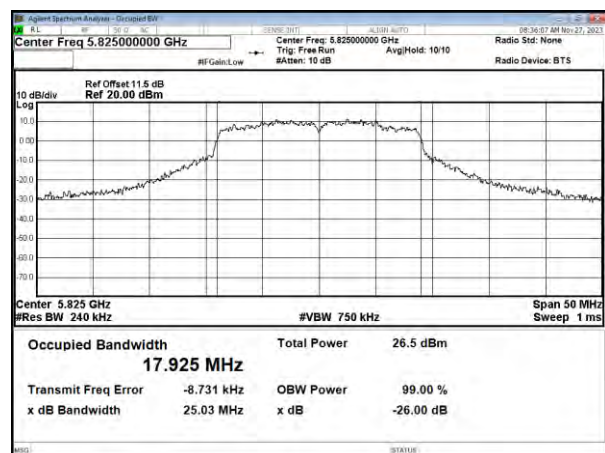
CH157



CH165

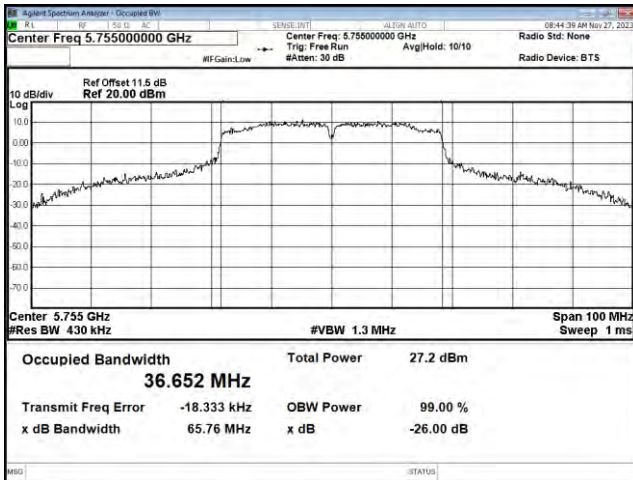


CH165

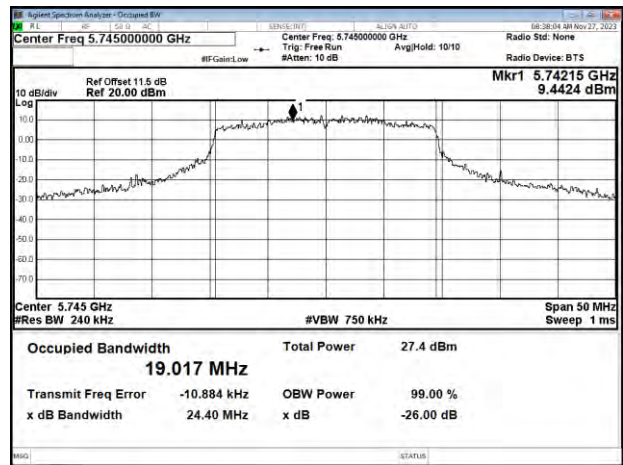




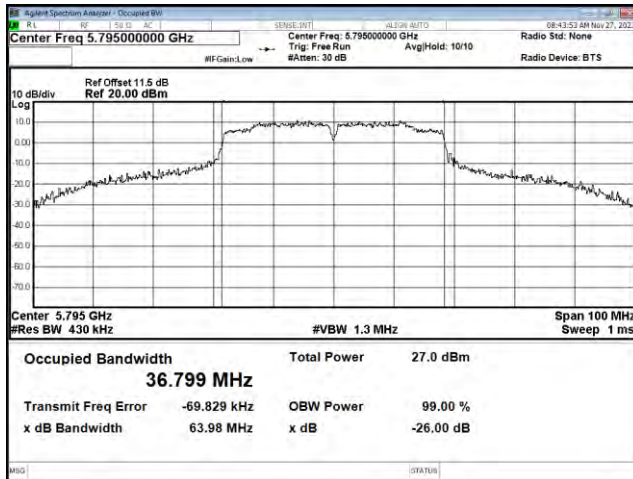
99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT40
CH151



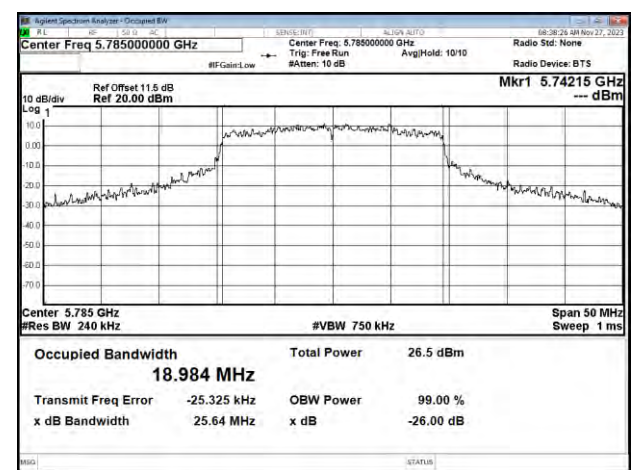
Modulation Type: 802.1111ax HE20
CH149



CH159

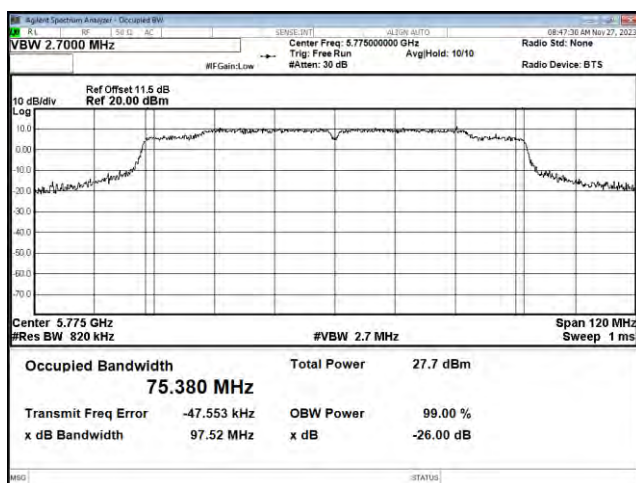


CH157

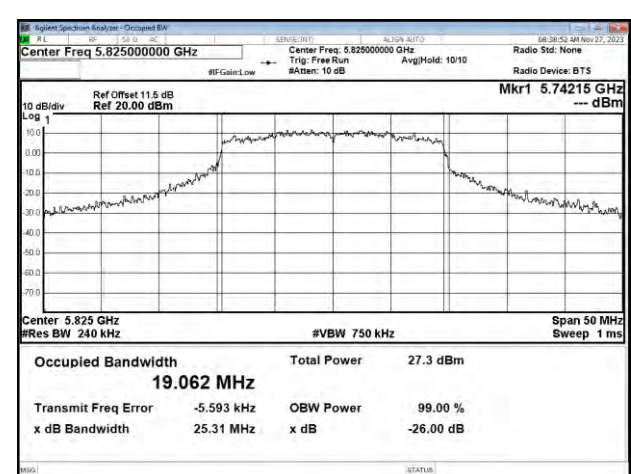


Modulation Type: 802.11ac, VHT80

CH155

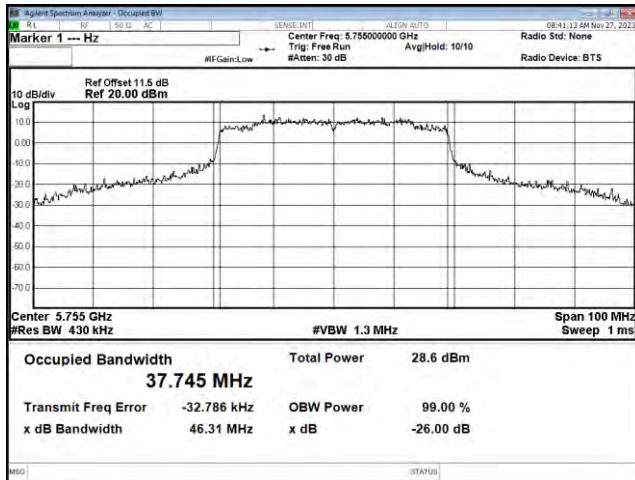


CH165

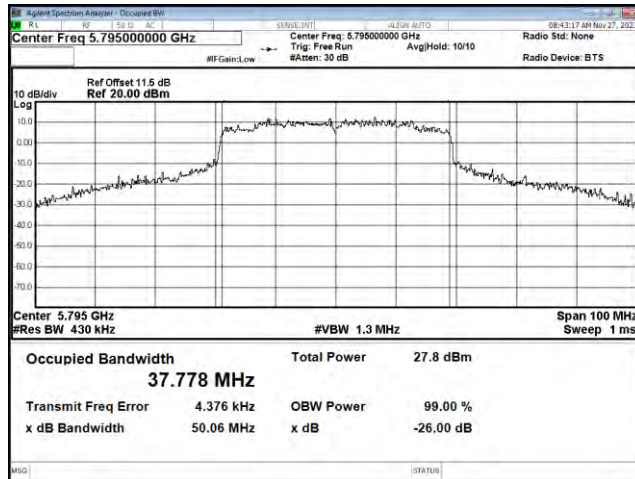




99% Occupied Bandwidth
Modulation Type: 802.11ax HE40
CH151

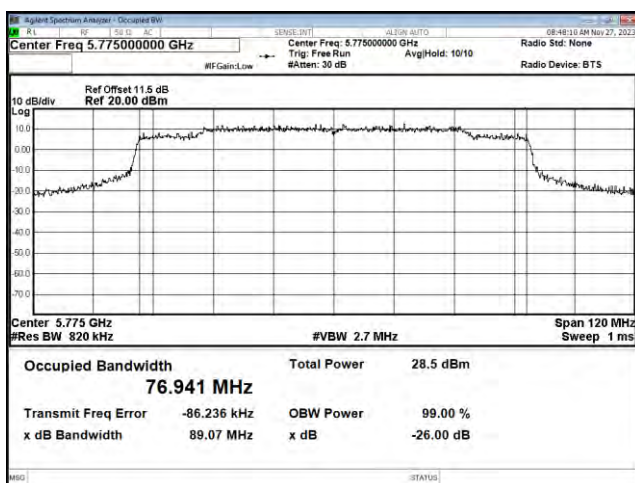


CH159



Modulation Type: 802.11ax HE80

CH155

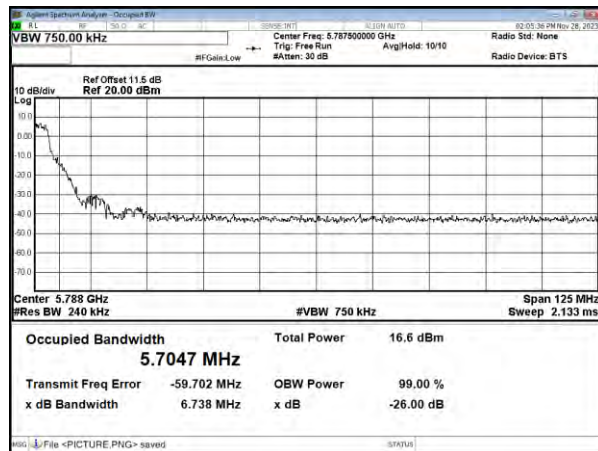




99% Occupied Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

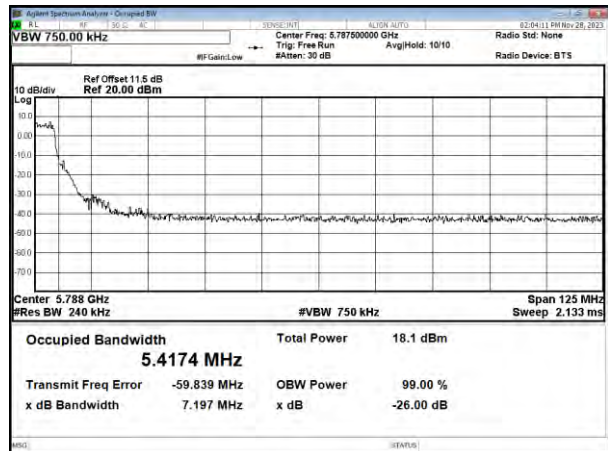
Modulation Standard: 802.11a

CH144



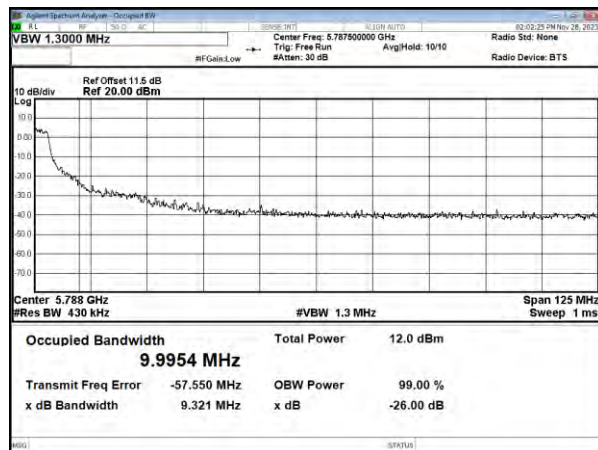
Modulation Standard: 802.11ac VHT20

CH144



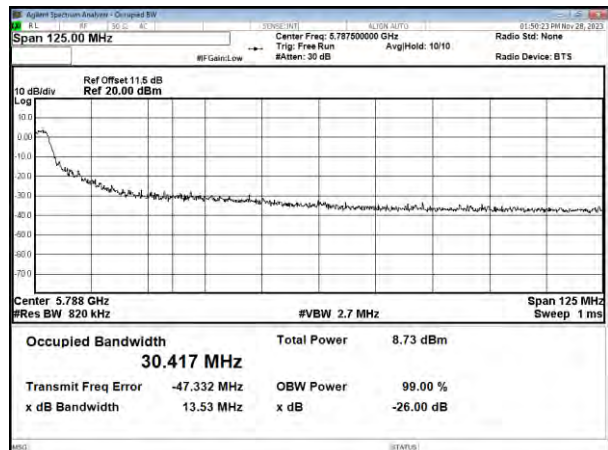
Modulation Standard: 802.11ac VHT40

CH142



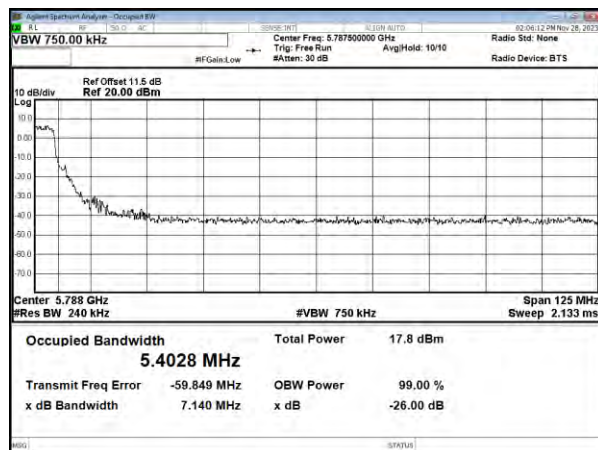
Modulation Standard: 802.11ac VHT80

CH138



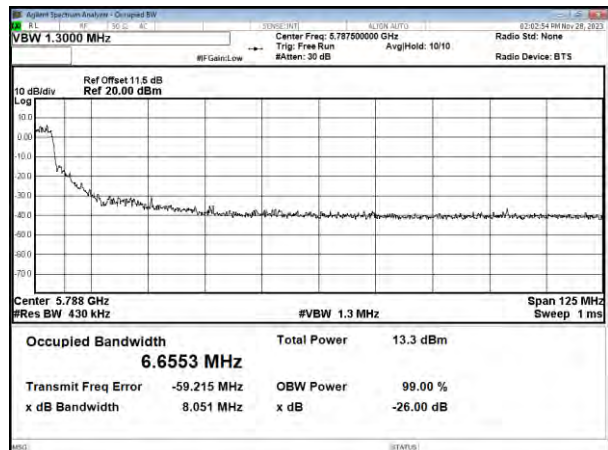
Modulation Standard: 802.11 ax HE20

CH144



Modulation Standard: 802.11 ax HE40

CH142

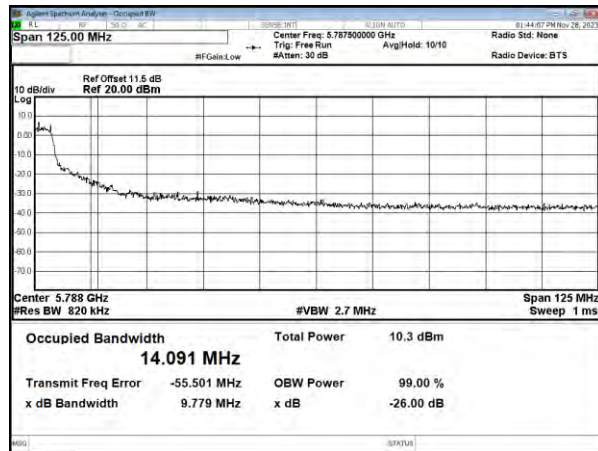




99% Occupied Bandwidth (UNII Emission Bandwidth Result (Extends across 5725MHz band))

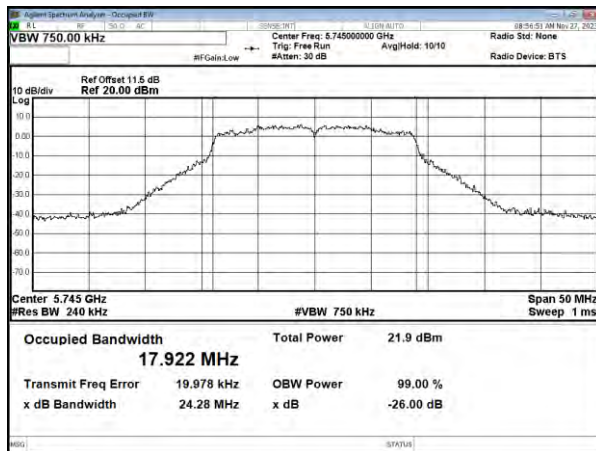
Modulation Standard: 802.11 ax HE80

CH138

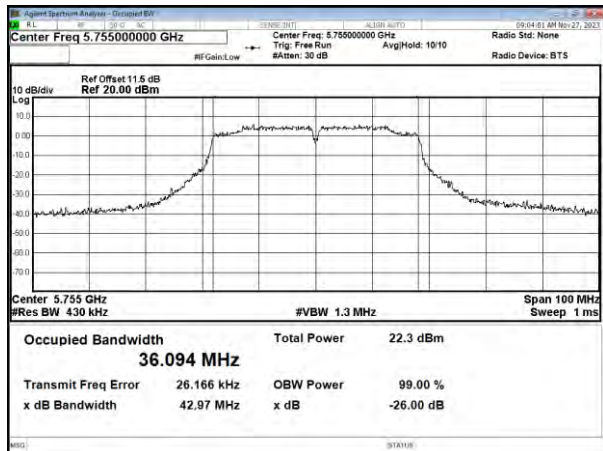




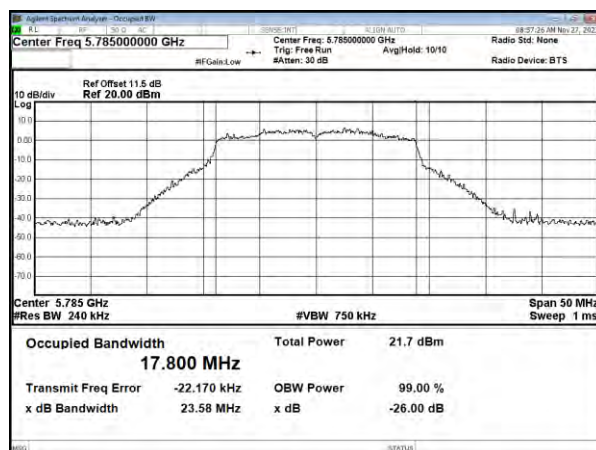
MIMO (ANT A)
99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT20
CH149



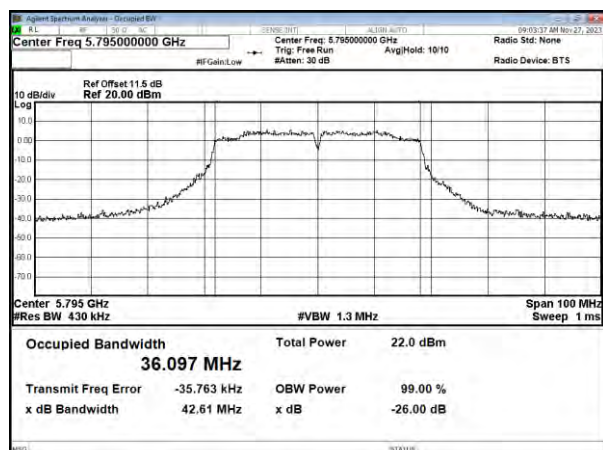
Modulation Type: 802.11ac, VHT40
CH151



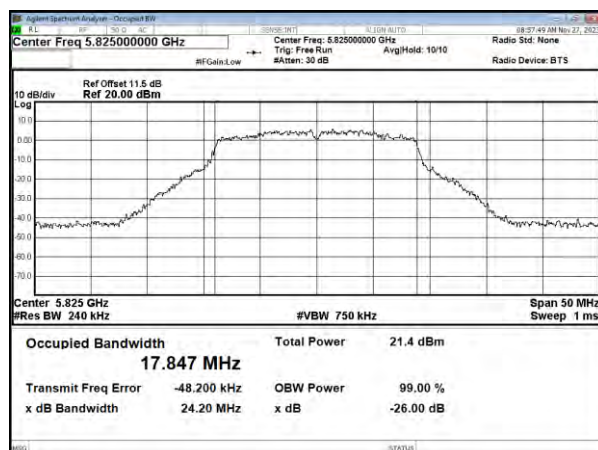
CH157



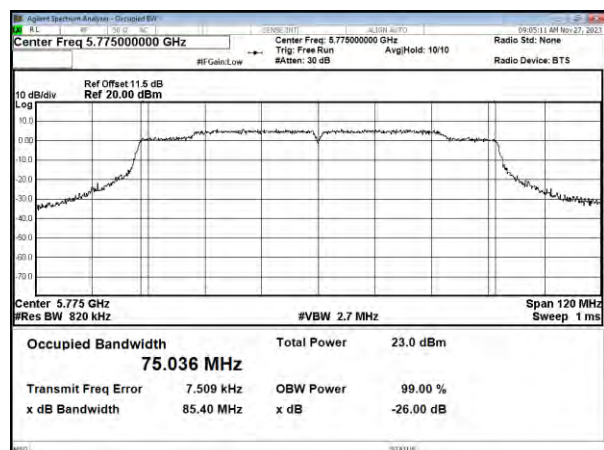
CH159



CH165

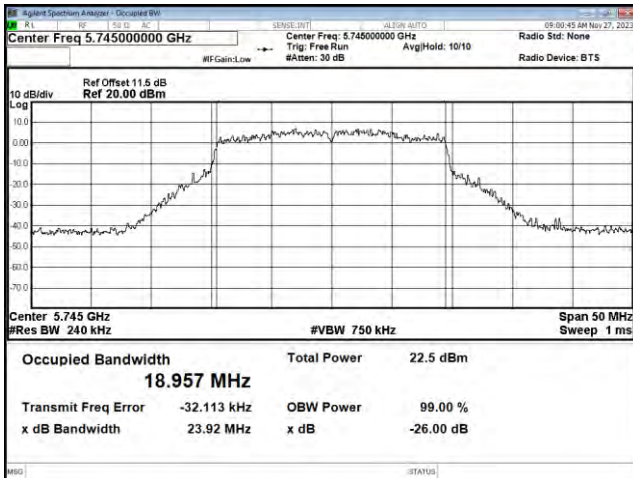


Modulation Type: 802.11ac, VHT80
CH155

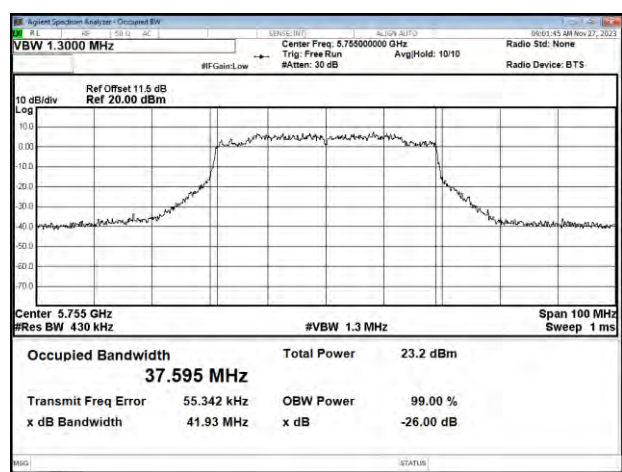




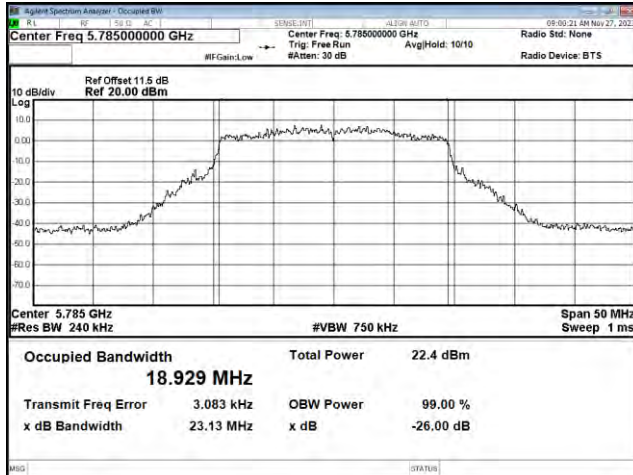
99% Occupied Bandwidth
Modulation Type: 802.11ax HE20
CH149



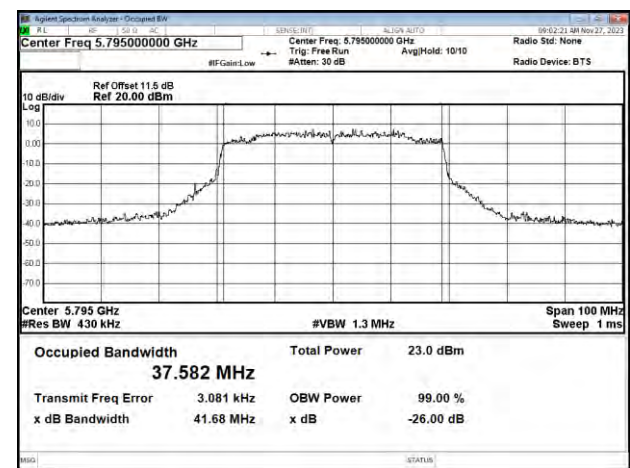
Modulation Type: 802.11 ax HE40
CH151



CH157

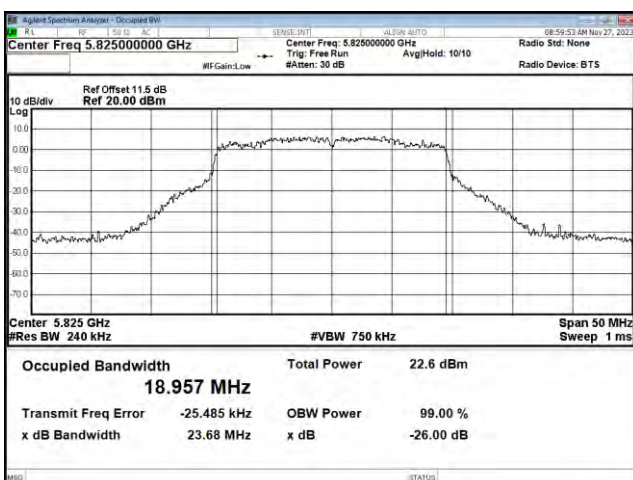


CH159

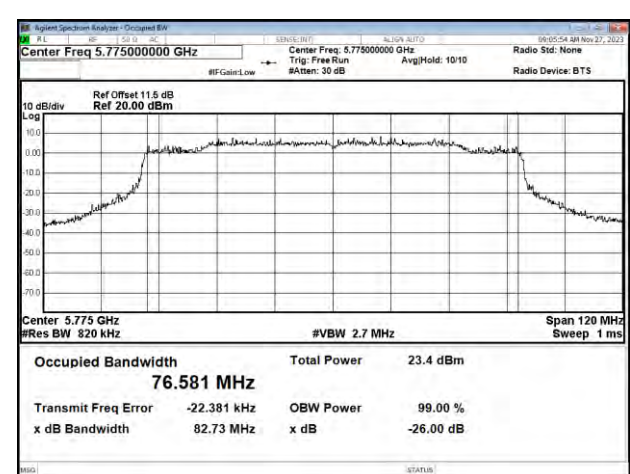


Modulation Type: 802.11ax HE80

CH165



CH155

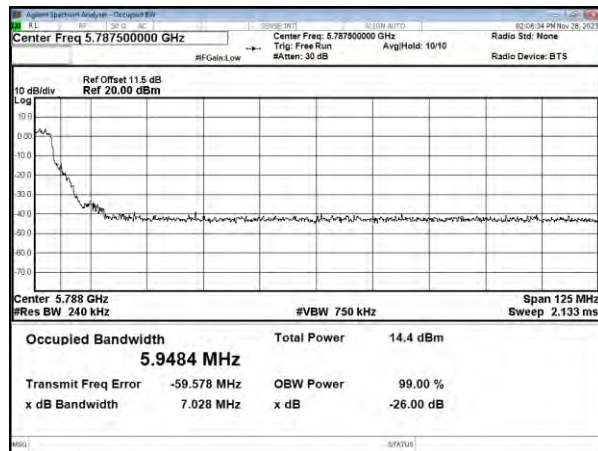




99% Occupied Bandwidth(UNII Emission Bandwidth Result (Extends across 5725MHz band))

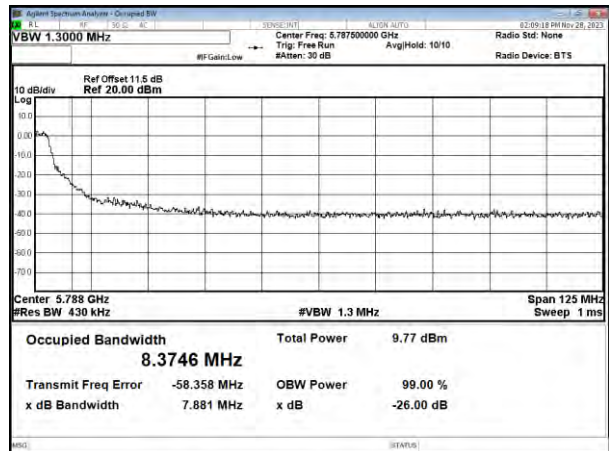
Modulation Standard: 802.11ac VHT20

CH144



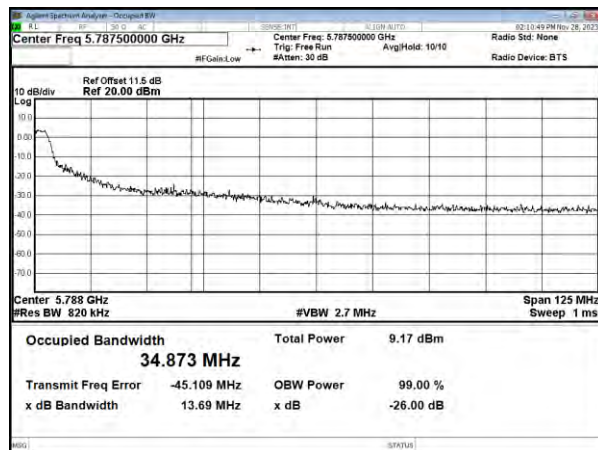
Modulation Standard: 802.11ac VHT40

CH142



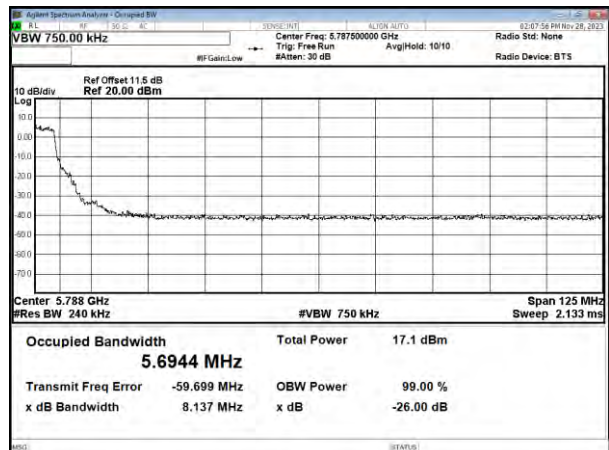
Modulation Standard: 802.11ac VHT80

CH138



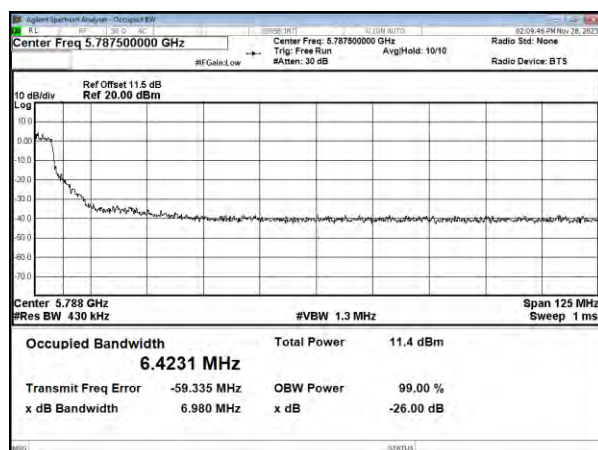
Modulation Standard: 802.11 ax HE20

CH144



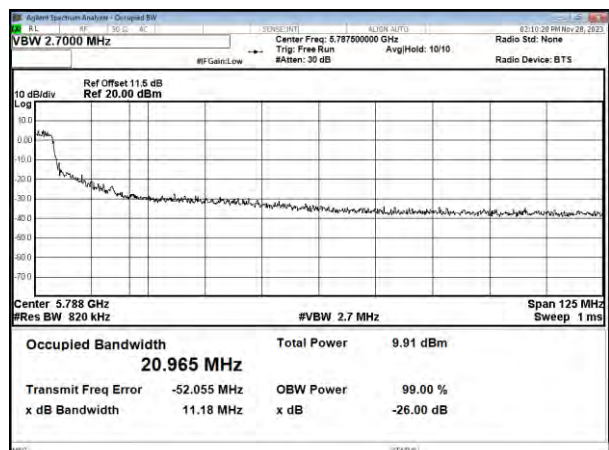
Modulation Standard: 802.11 ax HE40

CH142



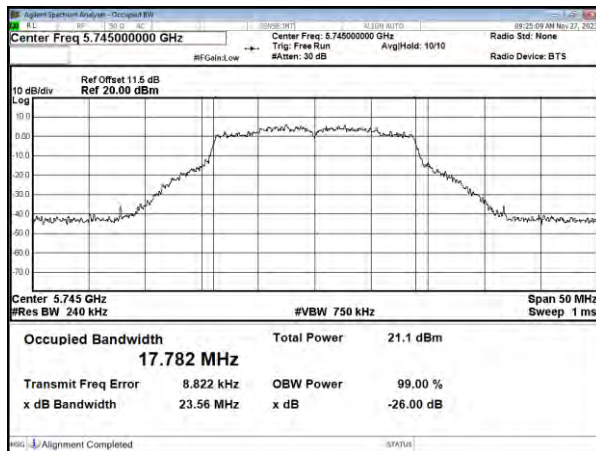
Modulation Standard: 802.11 ax HE80

CH138

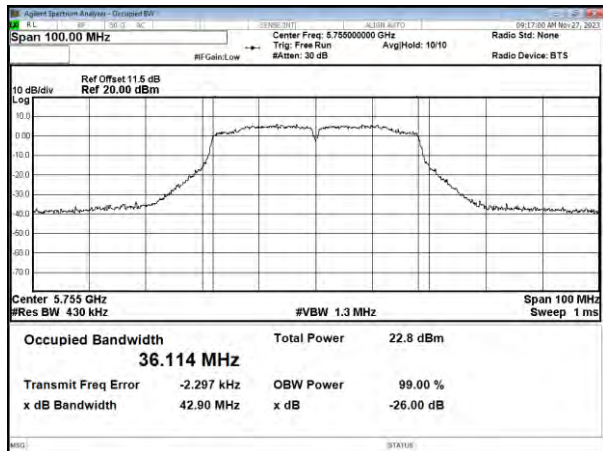




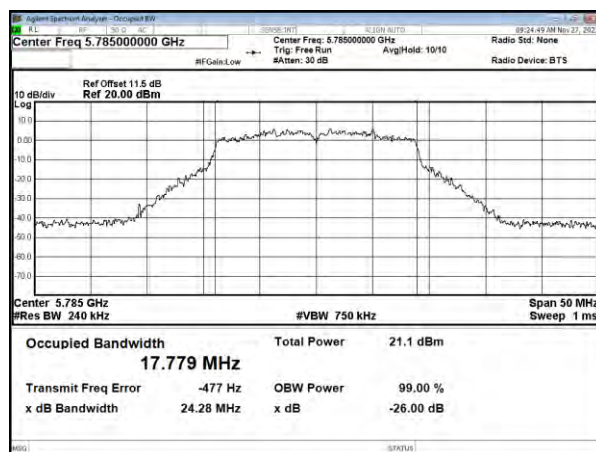
MIMO (ANT B)
99% Occupied Bandwidth
Modulation Type: 802.11ac, VHT20
CH149



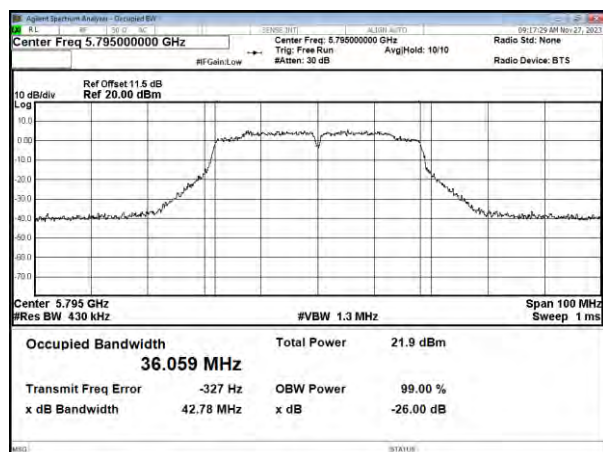
Modulation Type: 802.11ac, VHT40
CH151



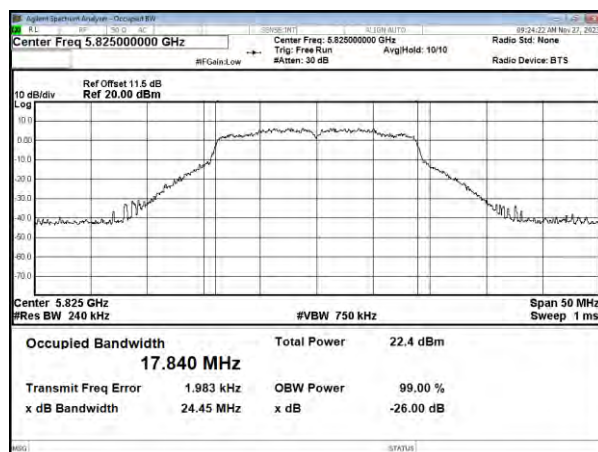
CH157



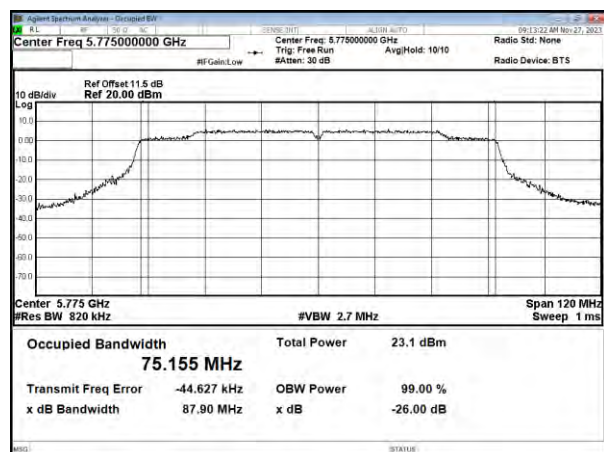
CH159



CH165

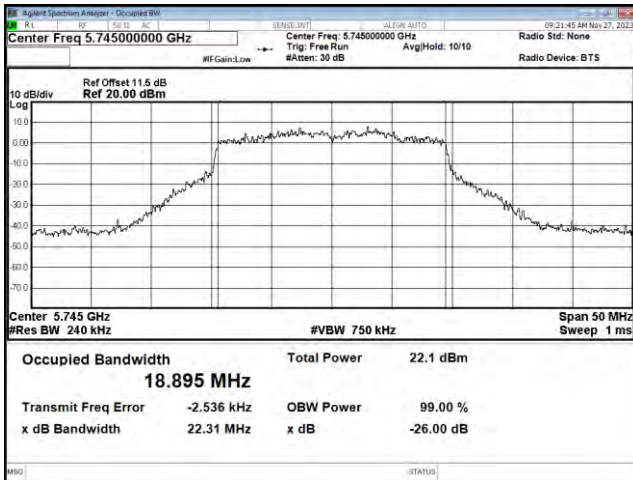


Modulation Type: 802.11ac, VHT80
CH155

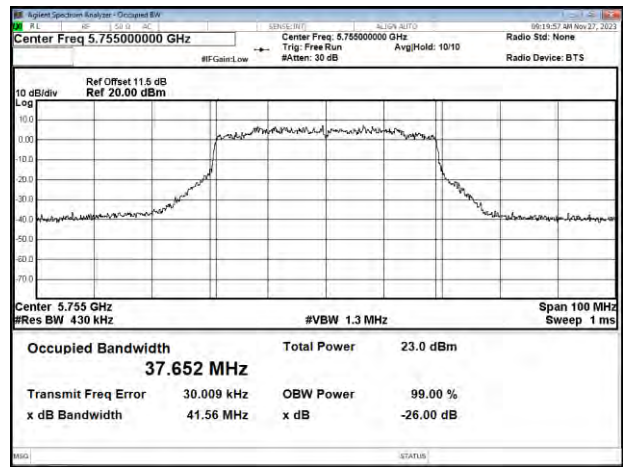




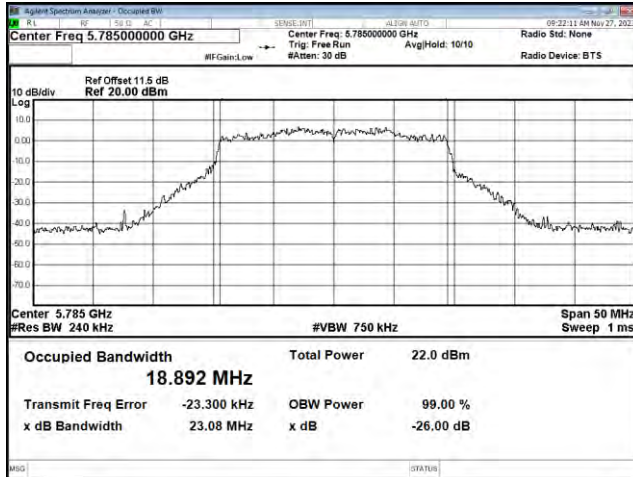
99% Occupied Bandwidth
Modulation Type: 802.11ax HE20
CH149



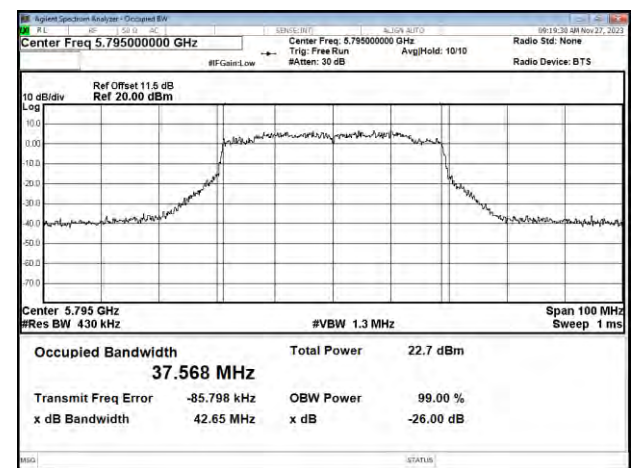
Modulation Type: 802.11 ax HE40
CH151



CH157

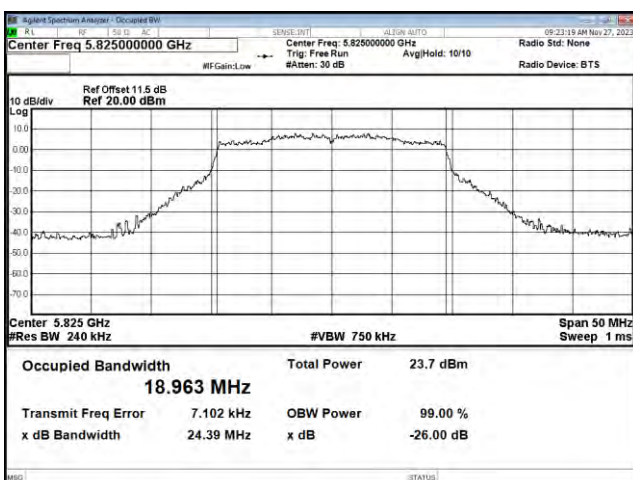


CH159

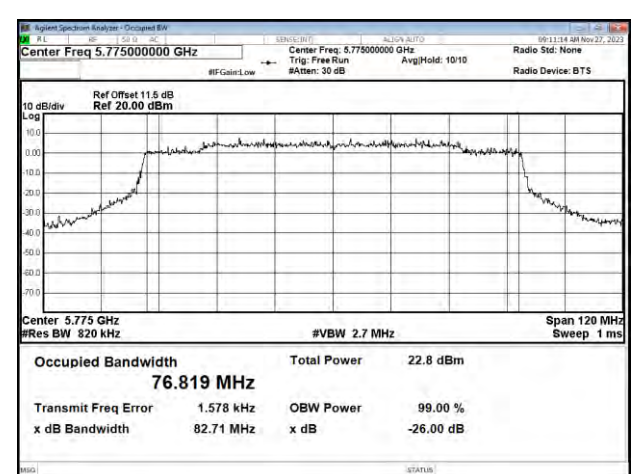


Modulation Type: 802.11ax HE80

CH165



CH155





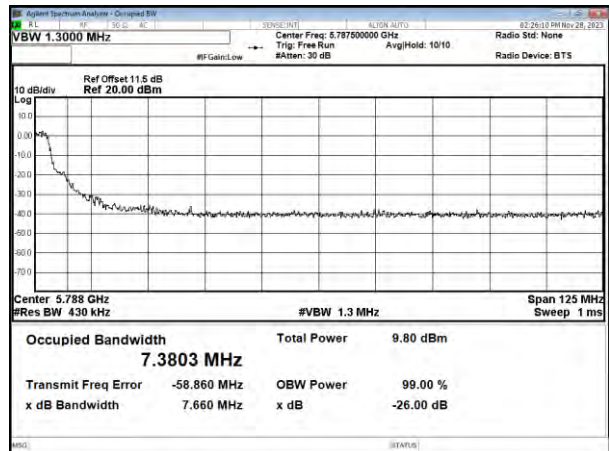
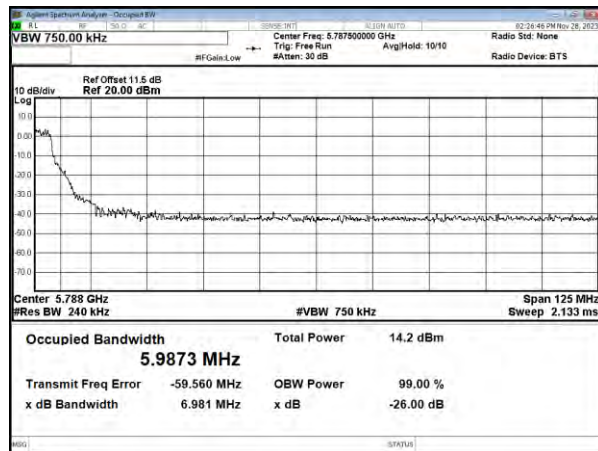
99% Occupied Bandwidth(UNII Emission Bandwidth Result (Extends across 5725MHz band))

Modulation Standard: 802.11ac VHT20

Modulation Standard: 802.11ac VHT40

CH144

CH142

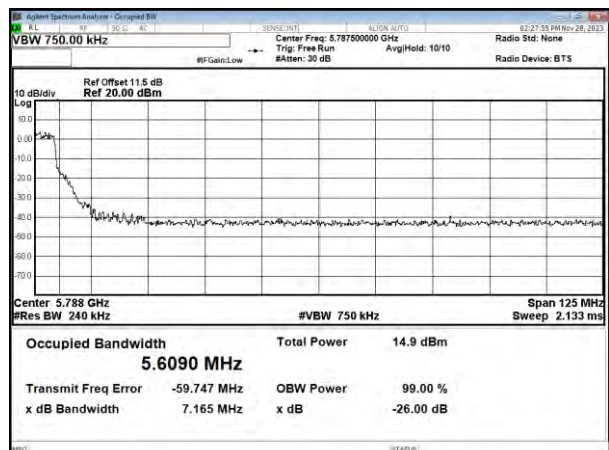
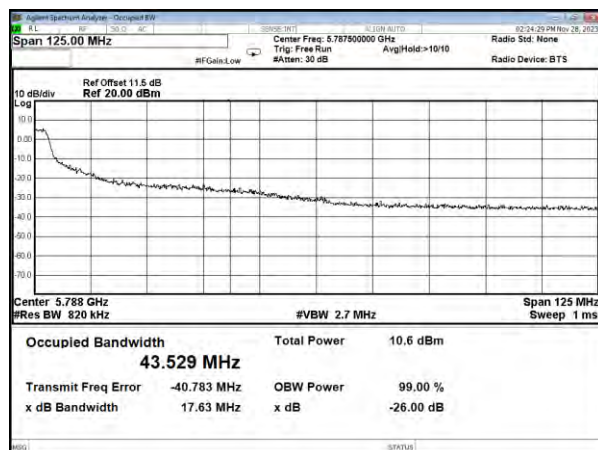


Modulation Standard: 802.11ac VHT80

Modulation Standard: 802.11ax HE20

CH138

CH144

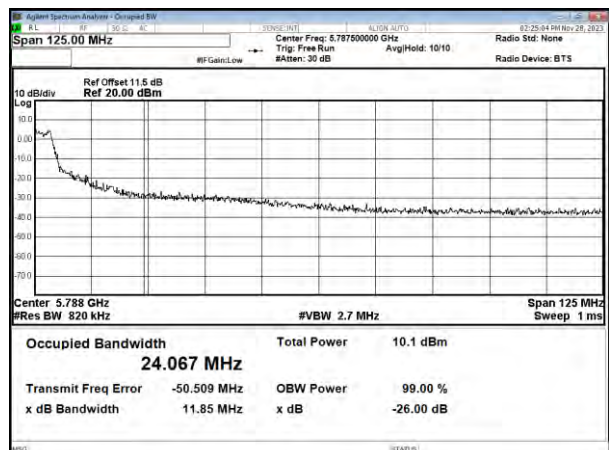
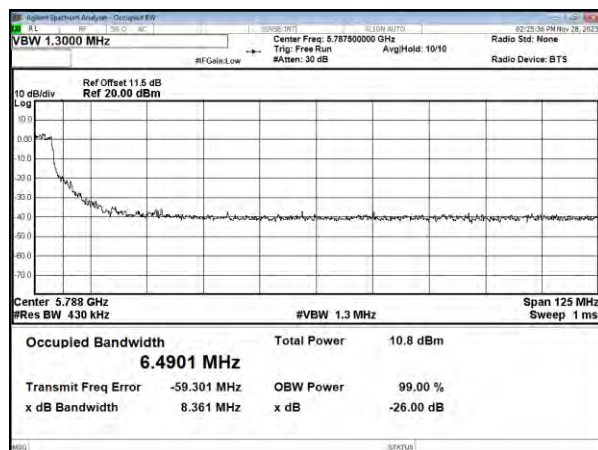


Modulation Standard: 802.11ax HE40

Modulation Standard: 802.11ax HE80

CH142

CH138





9. 26dB Bandwidth & 99% Occupied Bandwidth

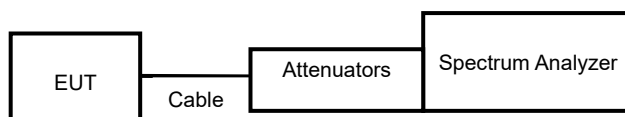
9.1. Test Limit

None; for reporting purposes only.

9.2. Test Procedure

Reference to 789033 v02r01 General UNII Test Procedures New Rules v01: The transmitter output is connected to a spectrum analyzer with the RBW = approximately 1% of the emission bandwidth, the VBW $\geq 3 \times$ RBW, peak detector and max hold.

9.3. Test Setup Layout





9.4. Test Result and Data (26dB Bandwidth)

SISO

In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	36	5180	24.76
	44	5220	24.33
	48	5240	24.44
802.11ac VHT20	36	5180	24.6
	44	5220	25.39
	48	5240	24.29
802.11ac VHT40	38	5190	45.02
	46	5230	45.98
802.11ac VHT80	42	5210	88.01
802.11ac VHT160	50	5250	165.5
802.11ax HE20	36	5180	25.45
	44	5220	25.76
	48	5240	25.4
802.11ax HE40	38	5190	43.51
	46	5230	44.87
802.11ax HE80	42	5210	85.75
802.11 ax HE160	50	5250	165.5

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	52	5260	24.09
	60	5300	24.21
	64	5320	24.66
802.11ac VHT20	52	5260	24.25
	60	5300	24.34
	64	5320	24.19
802.11ac VHT40	54	5270	45.86
	62	5310	44.6
802.11ac VHT80	58	5290	88.4
802.11ax HE20	52	5260	24.78
	60	5300	25.91
	64	5320	25.46
802.11ax HE40	54	5270	43.67
	62	5310	43.29
802.11ax HE80	58	5290	84.27

**In the 5.5G Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
802.11a	100	5500	23.85
	116	5580	24.5
	140	5700	23.94
802.11ac VHT20	100	5500	24.76
	116	5580	24.52
	140	5700	24.57
802.11ac VHT40	102	5510	47.18
	110	5550	45.99
	134	5670	46.46
802.11ac VHT80	106	5530	92.7
	122	5610	91.34
802.11ac VHT160	114	5570	166.8
802.11ax HE20	100	5500	25.32
	116	5580	24.63
	140	5700	23.84
802.11ax HE40	102	5510	44.84
	110	5550	44.5
	134	5670	45.41
802.11ax HE80	106	5530	84.19
	122	5610	85.7
802.11ax HE160	114	5570	165.8

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
			ANT A
11a	144	5720	16.78
11ac VHT20	144	5720	16.83
11ac VHT40	142	5710	37.20
11ac VHT80	138	5690	80.33
11ax HE20	144	5720	16.91
11ax HE40	142	5710	36.38
11ax HE80	138	5690	76.09

**MIMO**
In the 5.2G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth(MHz)	
			24.79	24.38
802.11ac VHT20	36	5180	23.93	24.22
	44	5220	24.22	24.28
	48	5240	44	45.63
802.11ac VHT40	38	5190	44.84	45.02
	46	5230	87.17	89.42
802.11ac VHT80	42	5210	165.3	165.4
802.11ac VHT160	50	5250	25.19	24.38
802.11ax HE20	36	5180	23.75	23.74
	44	5220	23.5	24.49
	48	5240	43.57	44.15
802.11ax HE40	38	5190	42.58	43.6
	46	5230	85.16	86.38
802.11ax HE80	42	5210	166.1	166.1
802.11 ax HE160	50	5250	24.79	24.38

In the 5.3G Band

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANTB
802.11ac VHT20	52	5260	24.12	24.86
	60	5300	24.45	23.81
	64	5320	24.66	24.63
802.11ac VHT40	54	5270	43.16	44.68
	62	5310	44.27	44.94
802.11ac VHT80	58	5290	86.53	88.94
802.11ax HE20	52	5260	23.89	23.43
	60	5300	24.09	24.07
	64	5320	23.9	25.83
802.11ax HE40	54	5270	43.51	43.57
	62	5310	42.77	43.73
802.11ax HE80	58	5290	85.32	84.75

**In the 5.5G Band**

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANTB
802.11ac VHT20	100	5500	24.58	24.47
	116	5580	24.3	24.91
	140	5700	24.34	25.5
802.11ac VHT40	102	5510	43.72	47.96
	110	5550	43.6	46.68
	134	5670	44.16	44.41
802.11ac VHT80	106	5530	85.69	93.26
	122	5610	88.31	87.98
802.11ac VHT160	114	5570	165.4	164.8
802.11ax HE20	100	5500	24.22	25.03
	116	5580	23.99	27.79
	140	5700	24.32	24.28
802.11ax HE40	102	5510	42.85	44.2
	110	5550	43.6	45.22
	134	5670	43.42	43.34
802.11ax HE80	106	5530	85.11	86.31
	122	5610	84.41	85.23
802.11ax HE160	114	5570	165.9	165.7

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

Mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
			ANT A	ANT B
11ac VHT20	144	5720	16.88	16.84
11ac VHT40	142	5710	36.78	36.56
11ac VHT80	138	5690	77.63	76.94
11ax HE20	144	5720	17.47	16.92
11ax HE40	142	5710	35.98	35.64
11ax HE80	138	5690	77.94	75.59

**9.5. Test Result and Data (99% Occupied Bandwidth)****SISO****In the 5.2G Band**

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	36	5180	16.99
	44	5220	16.95
	48	5240	16.99
802.11ac VHT20	36	5180	18.003
	44	5220	18.089
	48	5240	18.071
802.11ac VHT40	38	5190	36.566
	46	5230	36.568
802.11ac VHT80	42	5210	75.93
802.11ac VHT160	50	5250	155.15
802.11ax HE20	36	5180	19.06
	44	5220	19.11
	48	5240	19.22
802.11ax HE40	38	5190	37.91
	46	5230	37.91
802.11ax HE80	42	5210	77.46
802.11 ax HE160	50	5250	156.78

In the 5.3G Band

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	52	5260	17.018
	60	5300	16.972
	64	5320	16.998
802.11ac VHT20	52	5260	18.05
	60	5300	18.07
	64	5320	18.01
802.11ac VHT40	54	5270	36.49
	62	5310	36.46
802.11ac VHT80	58	5290	75.86
802.11ax HE20	52	5260	19.07
	60	5300	19.18
	64	5320	19.10
802.11ax HE40	54	5270	37.85
	62	5310	37.90
802.11ax HE80	58	5290	77.41

**In the 5.5G Band**

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11a	100	5500	17.00
	116	5580	16.97
	140	5700	17.02
802.11ac VHT20	100	5500	18.10
	116	5580	18.01
	140	5700	18.07
802.11ac VHT40	102	5510	36.57
	110	5550	36.56
	134	5670	36.59
802.11ac VHT80	106	5530	75.96
	122	5610	76.05
802.11ac VHT160	114	5570	155.22
802.11ax HE20	100	5500	19.12
	116	5580	19.09
	140	5700	19.13
802.11ax HE40	102	5510	37.90
	110	5550	37.90
	134	5670	37.96
802.11ax HE80	106	5530	77.35
	122	5610	77.42
802.11ax HE160	114	5570	156.65

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
			ANT A
11a	144	5720	13.61
11ac VHT20	144	5720	14.16
11ac VHT40	142	5710	33.04
11ac VHT80	138	5690	71.97
11ax HE20	144	5720	14.66
11ax HE40	142	5710	33.82
11ax HE80	138	5690	72.70

**MIMO
In the 5.2G Band**

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	
			ANT A	ANTB
802.11ac VHT20	36	5180	18.04	17.98
	44	5220	18.04	17.99
	48	5240	18.05	19.92
802.11ac VHT40	38	5190	36.45	36.56
	46	5230	36.45	36.49
802.11ac VHT80	42	5210	75.90	76.01
802.11ac VHT160	50	5250	155.14	155.12
802.11ax HE20	36	5180	19.05	19.07
	44	5220	19.13	19.08
	48	5240	19.12	19.16
802.11ax HE40	38	5190	37.88	37.82
	46	5230	37.87	37.88
802.11ax HE80	42	5210	77.47	77.41
802.11 ax HE160	50	5250	156.77	156.57

In the 5.3G Band

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	
			ANT A	ANTB
802.11ac VHT20	52	5260	18.08	18.15
	60	5300	18.02	17.97
	64	5320	18.03	17.63
802.11ac VHT40	54	5270	36.44	36.49
	62	5310	36.41	36.48
802.11ac VHT80	58	5290	75.83	75.93
802.11ax HE20	52	5260	19.10	19.04
	60	5300	19.11	19.11
	64	5320	19.03	19.11
802.11ax HE40	54	5270	37.84	37.86
	62	5310	37.84	37.89
802.11ax HE80	58	5290	77.45	77.27



In the 5.5G Band

Mode	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	
			ANT A	ANTB
802.11ac VHT20	100	5500	18.10	19.99
	116	5580	18.05	19.99
	140	5700	17.99	18.18
802.11ac VHT40	102	5510	36.47	36.59
	110	5550	36.48	36.52
	134	5670	36.48	36.44
802.11ac VHT80	106	5530	75.93	76.05
	122	5610	75.90	75.95
802.11ac VHT160	114	5570	155.08	155.31
802.11ax HE20	100	5500	19.11	19.02
	116	5580	19.08	19.05
	140	5700	19.13	19.06
802.11ax HE40	102	5510	37.81	37.95
	110	5550	37.85	37.86
	134	5670	37.78	37.91
802.11ax HE80	106	5530	77.32	77.53
	122	5610	77.47	77.46
802.11ax HE160	114	5570	156.31	156.56

UNII Emission Bandwidth Result (Within 5470-5725MHz band)

Mode	Channel	Frequency (MHz)	99% Bandwidth(MHz)	
			ANT A	ANT B
11ac VHT20	144	5720	14.07	14.09
11ac VHT40	142	5710	32.99	33.01
11ac VHT80	138	5690	72.04	71.84
11ax HE20	144	5720	14.70	14.70
11ax HE40	142	5710	33.79	33.52
11ax HE80	138	5690	72.71	72.55