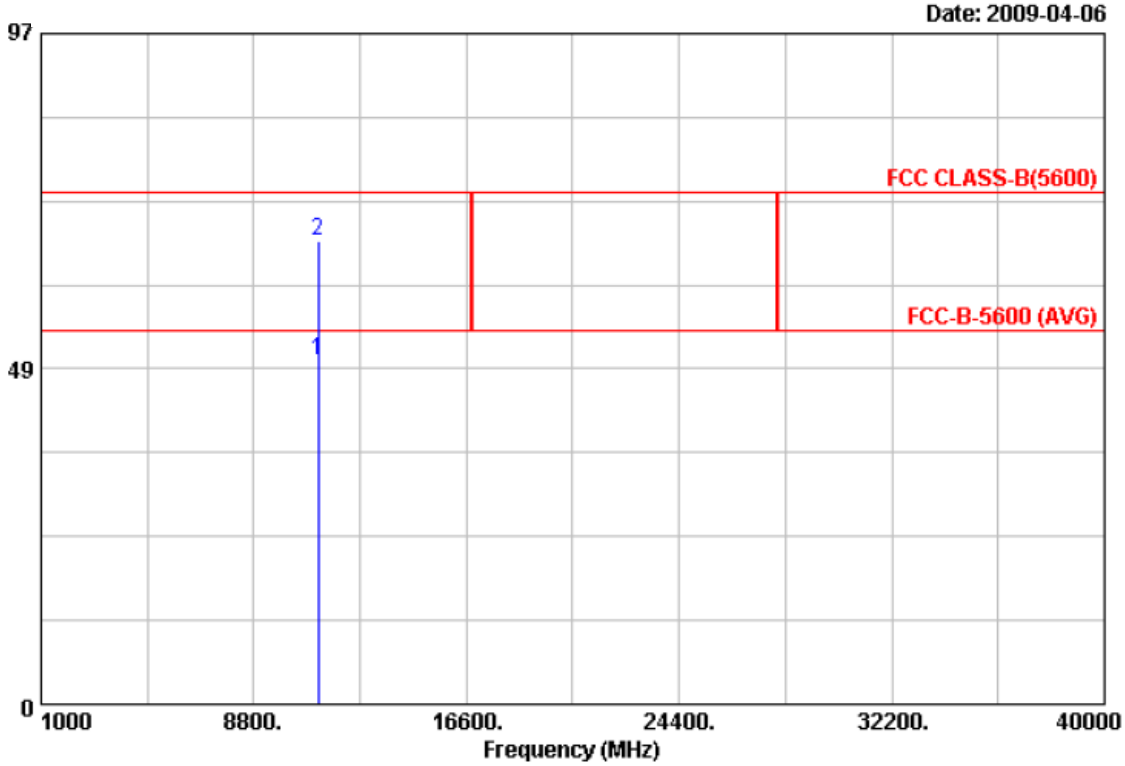
Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH118	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %

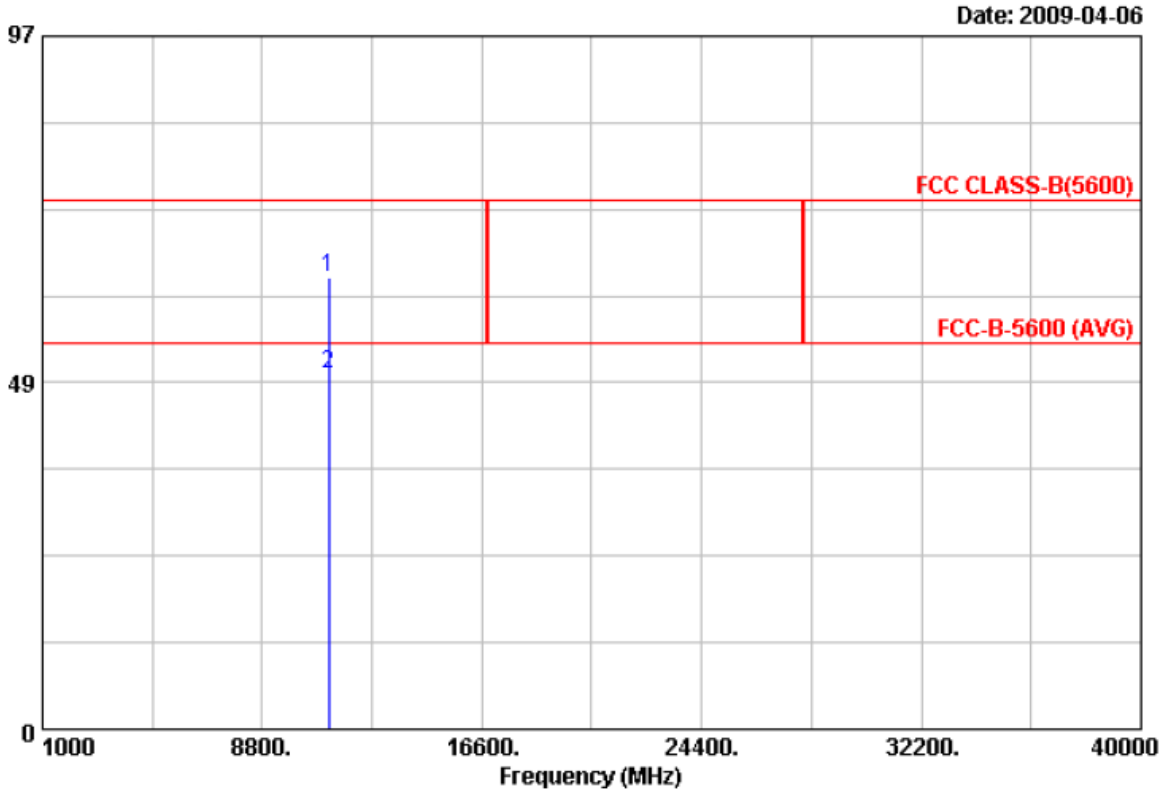


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	11179.77	27.38	22.41	49.79	54.00	-4.21	Average	100	360
2	11179.83	44.63	22.41	67.04	74.00	-6.96	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH118	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %

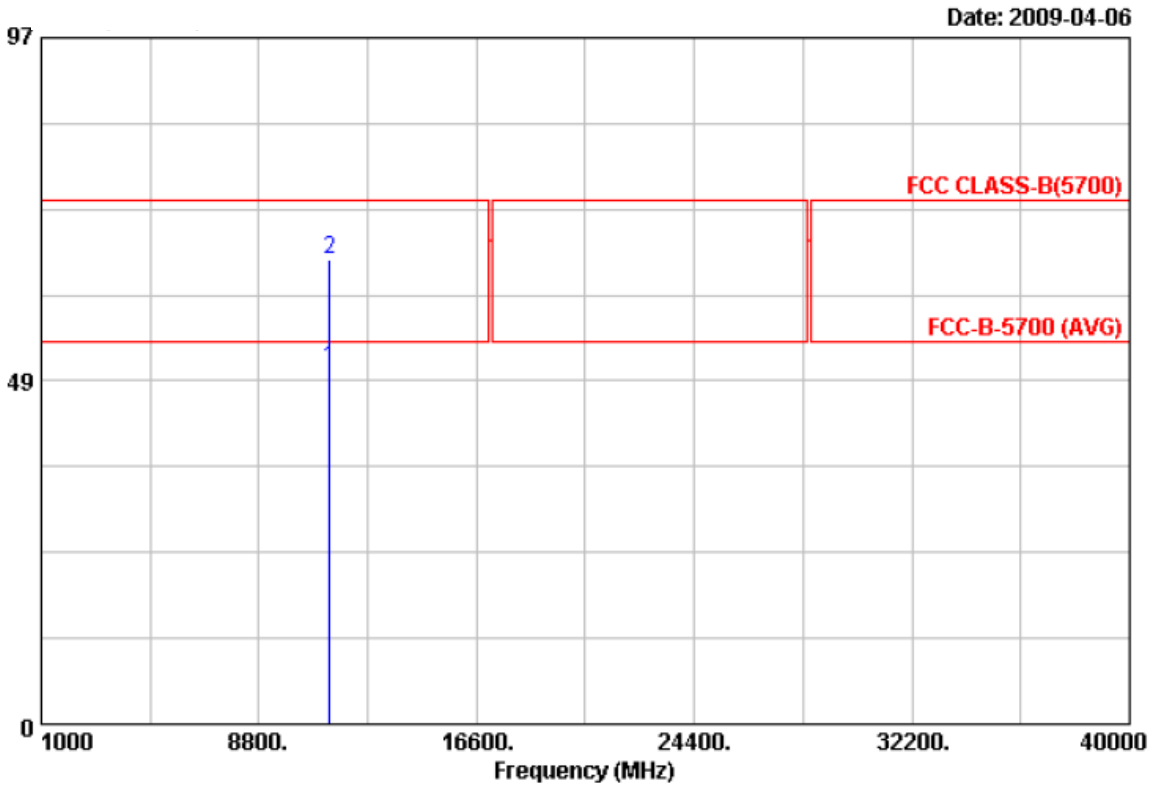


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	11179.07	42.84	20.32	63.16	74.00	-10.84	Peak	100	360
2	11179.47	29.43	20.32	49.75	54.00	-4.25	Average	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH134	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %

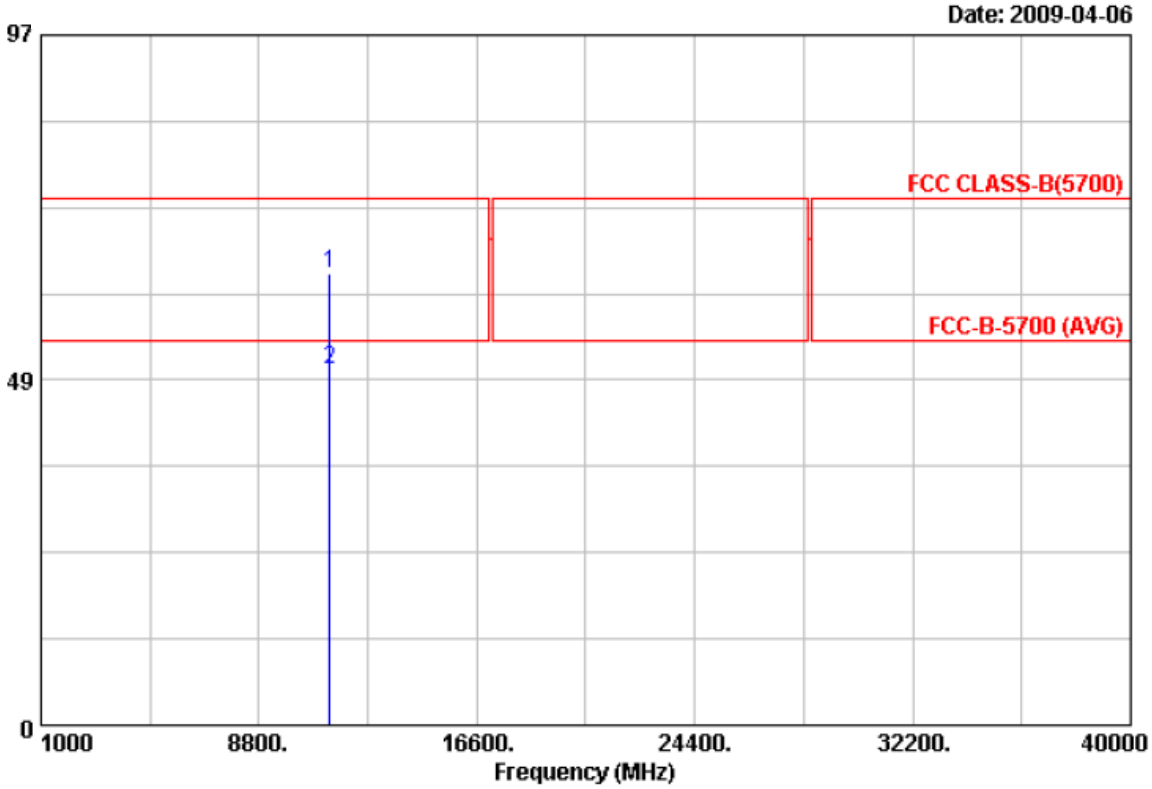


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	11339.97	27.27	23.04	50.31	54.00	-3.69	Average	100	360
2	11340.55	42.62	23.04	65.66	74.00	-8.34	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH134	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



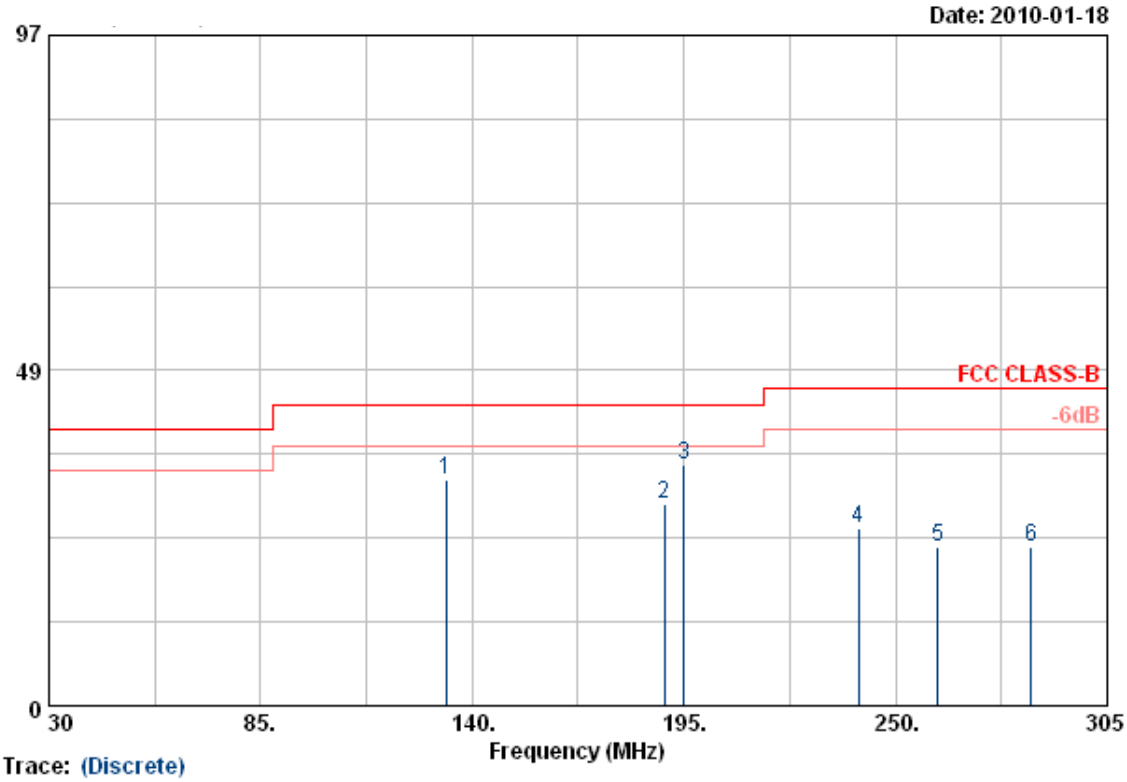
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	11339.58	42.91	20.61	63.52	74.00	-10.48	Peak	100	360
2	11339.68	29.29	20.61	49.90	54.00	-4.10	Average	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

5.4.2 Test Result and Data of Receiver

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH36	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



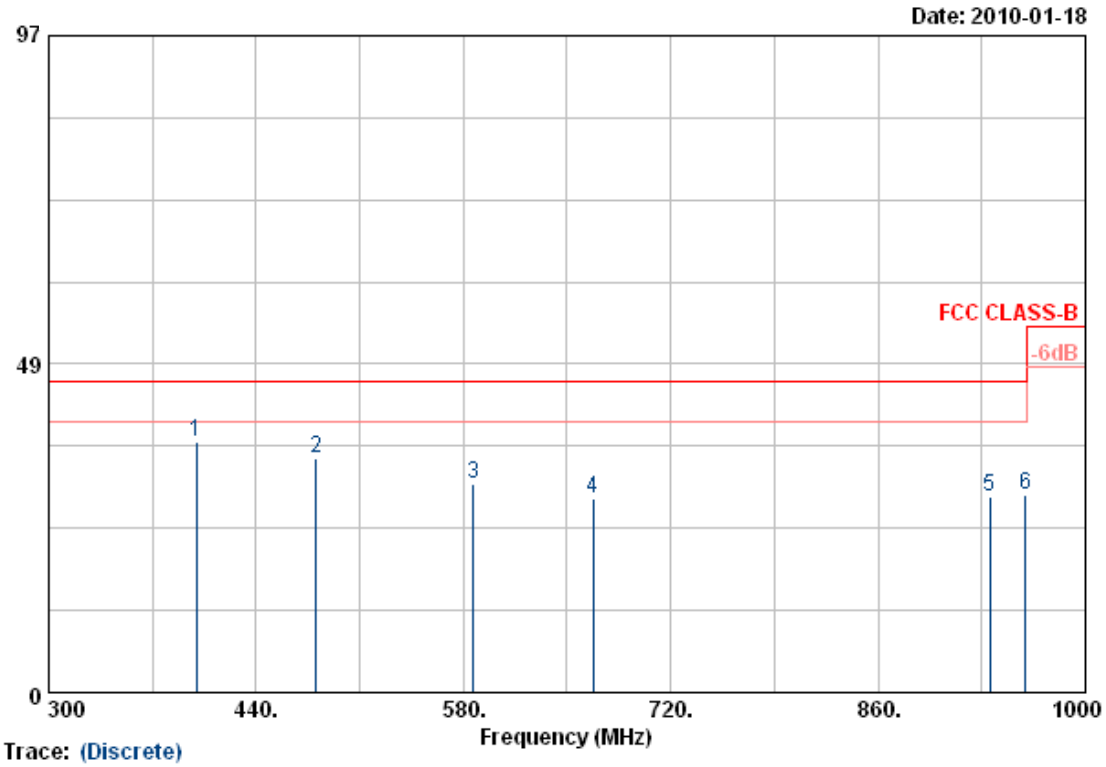
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	133.13	42.25	-9.47	32.78	43.50	-10.72	Peak	150	0
2	190.05	39.54	-10.49	29.05	43.50	-14.45	Peak	150	0
3	195.00	45.29	-10.35	34.94	43.50	-8.56	Peak	150	0
4	240.38	38.34	-12.61	25.73	46.00	-20.27	Peak	150	0
5	261.00	35.08	-12.03	23.05	46.00	-22.95	Peak	150	0
6	285.20	35.86	-12.85	23.01	46.00	-22.99	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH36	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



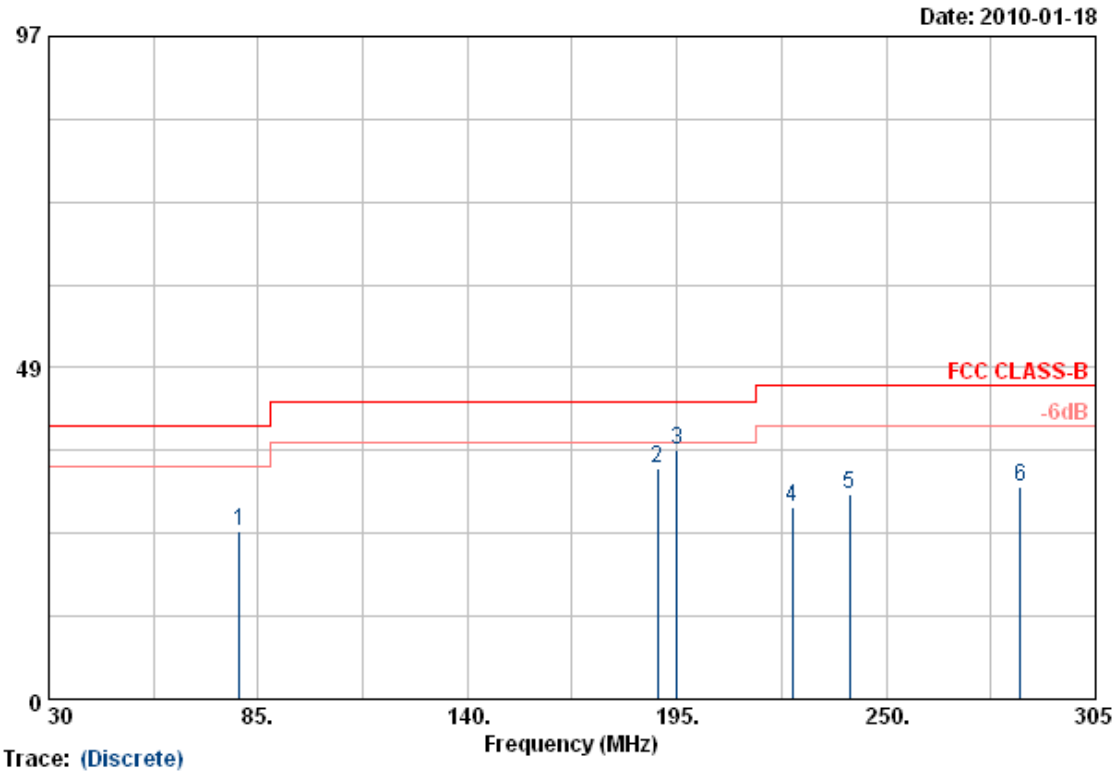
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	43.88	-6.97	36.91	46.00	-9.09	Peak	100	0
2	480.60	42.67	-8.15	34.52	46.00	-11.48	Peak	100	0
3	587.00	35.76	-4.86	30.90	46.00	-15.10	Peak	100	0
4	667.50	32.65	-3.94	28.71	46.00	-17.29	Peak	100	0
5	935.60	24.80	4.12	28.92	46.00	-17.08	Peak	100	0
6	959.40	25.29	3.95	29.24	46.00	-16.76	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH36	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



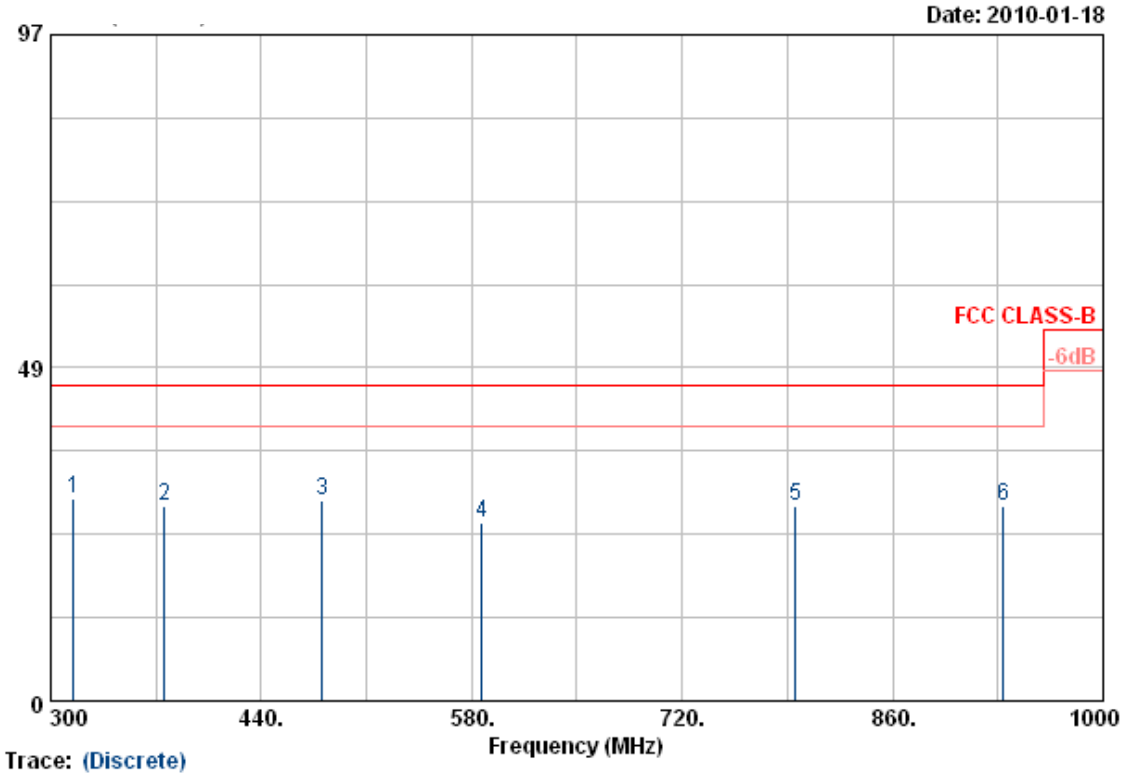
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	80.05	46.06	-21.39	24.67	40.00	-15.33	Peak	150	0
2	190.05	51.69	-17.88	33.81	43.50	-9.69	Peak	150	0
3	195.00	54.59	-18.03	36.56	43.50	-6.94	Peak	150	0
4	225.25	43.30	-15.23	28.07	46.00	-17.93	Peak	150	0
5	240.38	45.70	-15.81	29.89	46.00	-16.11	Peak	150	0
6	285.20	44.30	-13.29	31.01	46.00	-14.99	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH36	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



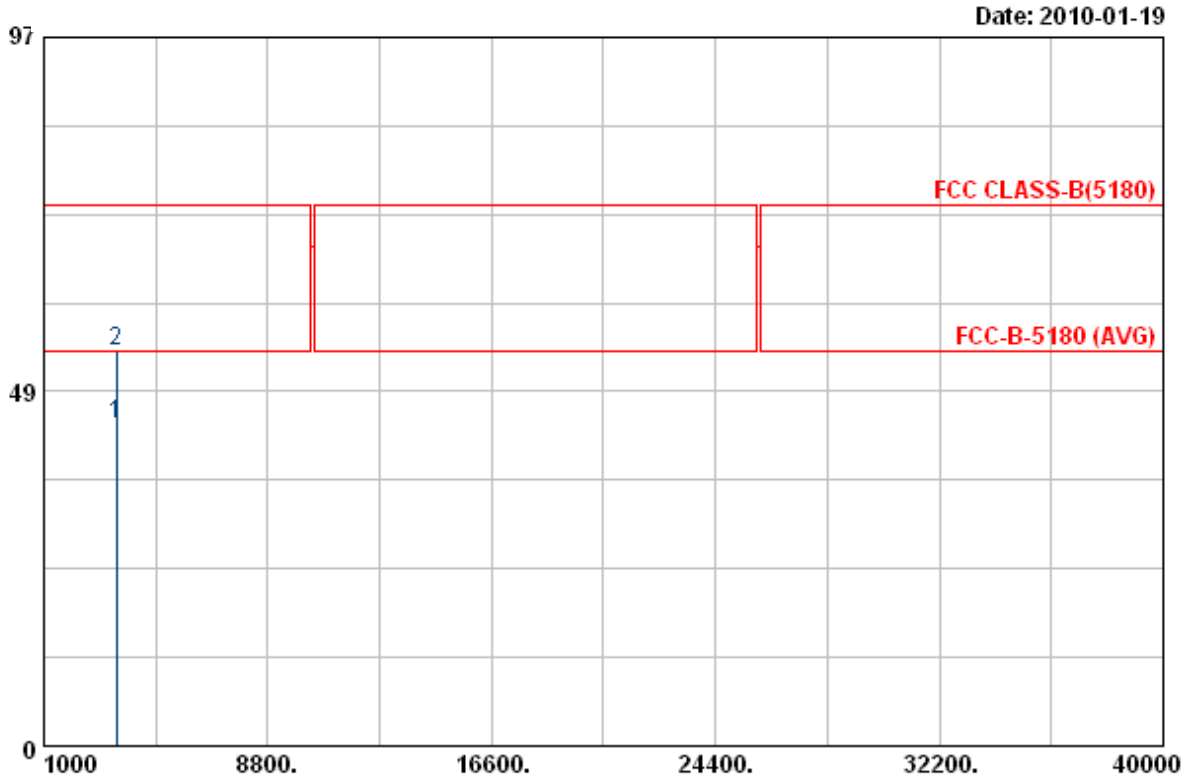
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	315.40	41.64	-12.14	29.50	46.00	-16.50	Peak	150	0
2	375.60	40.14	-11.68	28.46	46.00	-17.54	Peak	150	0
3	480.60	34.40	-5.17	29.23	46.00	-16.77	Peak	150	0
4	587.00	27.91	-2.05	25.86	46.00	-20.14	Peak	150	0
5	795.60	28.96	-0.49	28.47	46.00	-17.53	Peak	150	0
6	933.50	25.18	3.11	28.29	46.00	-17.71	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH36	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



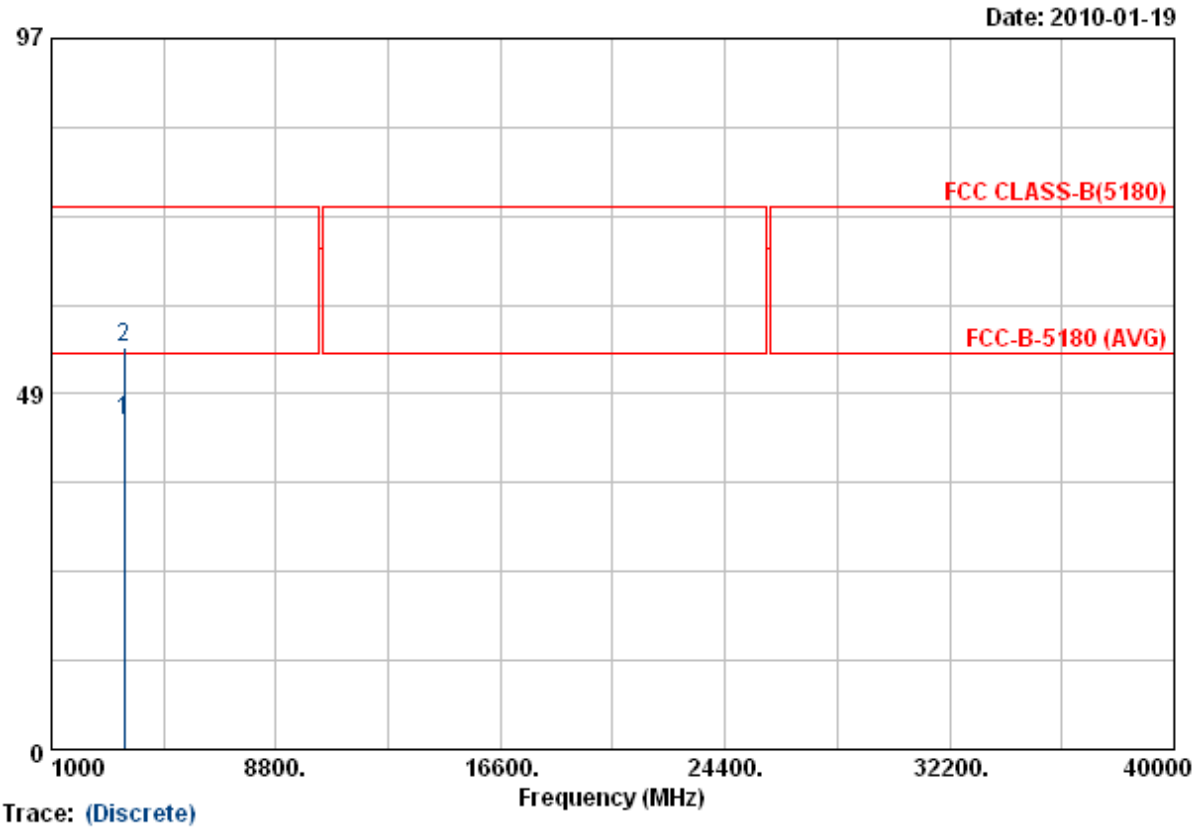
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.25	3.83	44.08	54.00	-9.92	Average	100	121
2	3520.00	50.25	3.83	54.08	74.00	-19.92	Peak	100	121

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH36	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



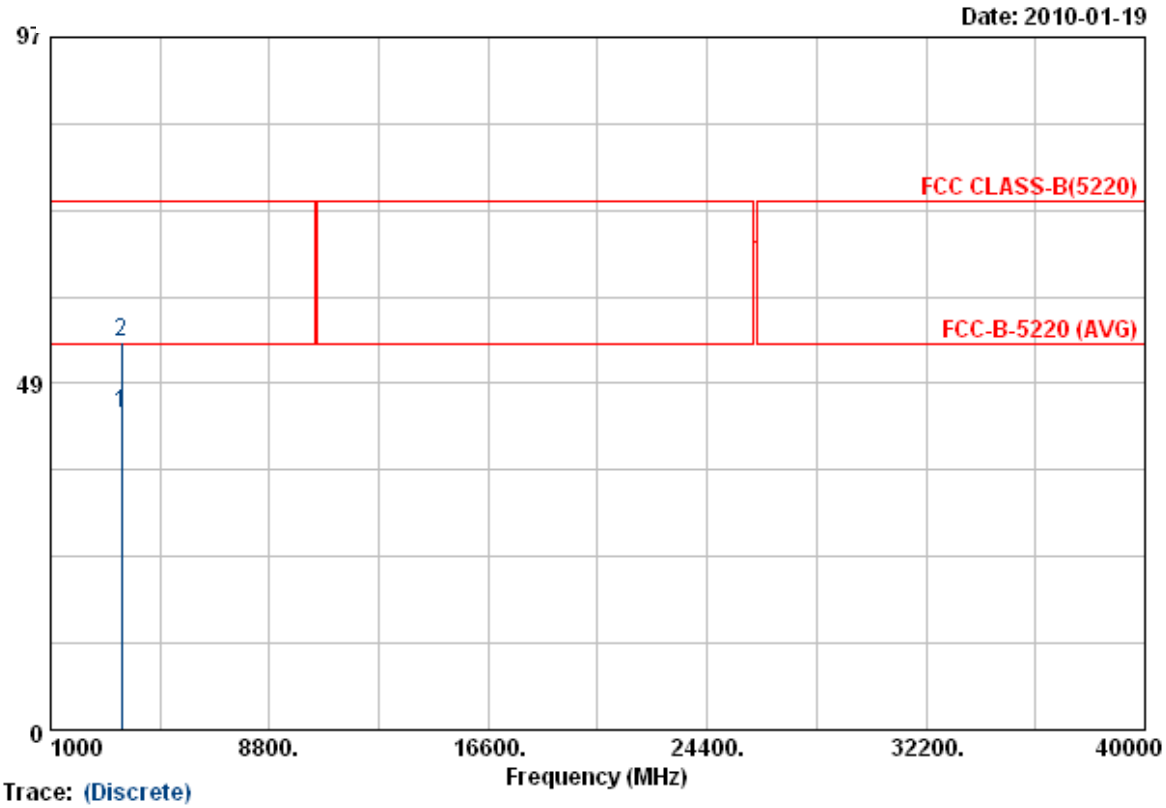
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.37	4.35	44.72	54.00	-9.28	Average	100	201
2	3521.00	50.37	4.35	54.72	74.00	-19.28	Peak	100	201

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH44	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	60 %



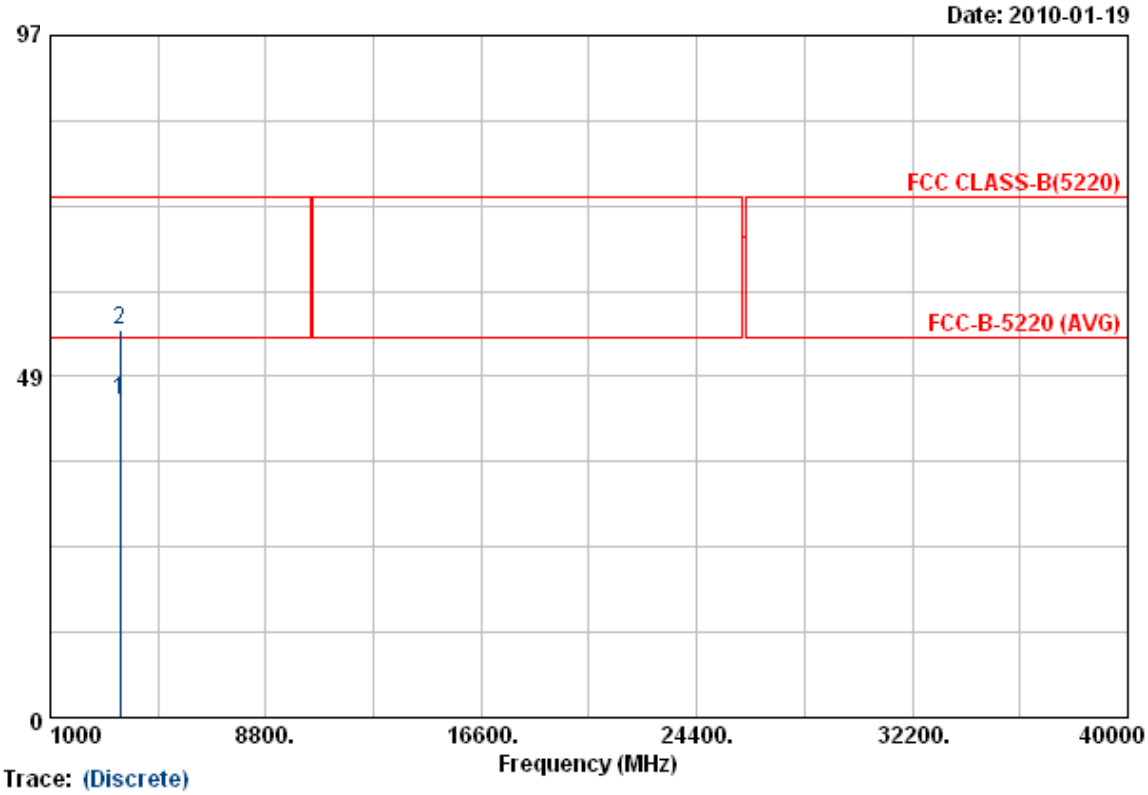
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.51	3.83	44.34	54.00	-9.66	Average	100	158
2	3520.00	50.51	3.83	54.34	74.00	-19.66	Peak	100	158

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH44	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	60 %



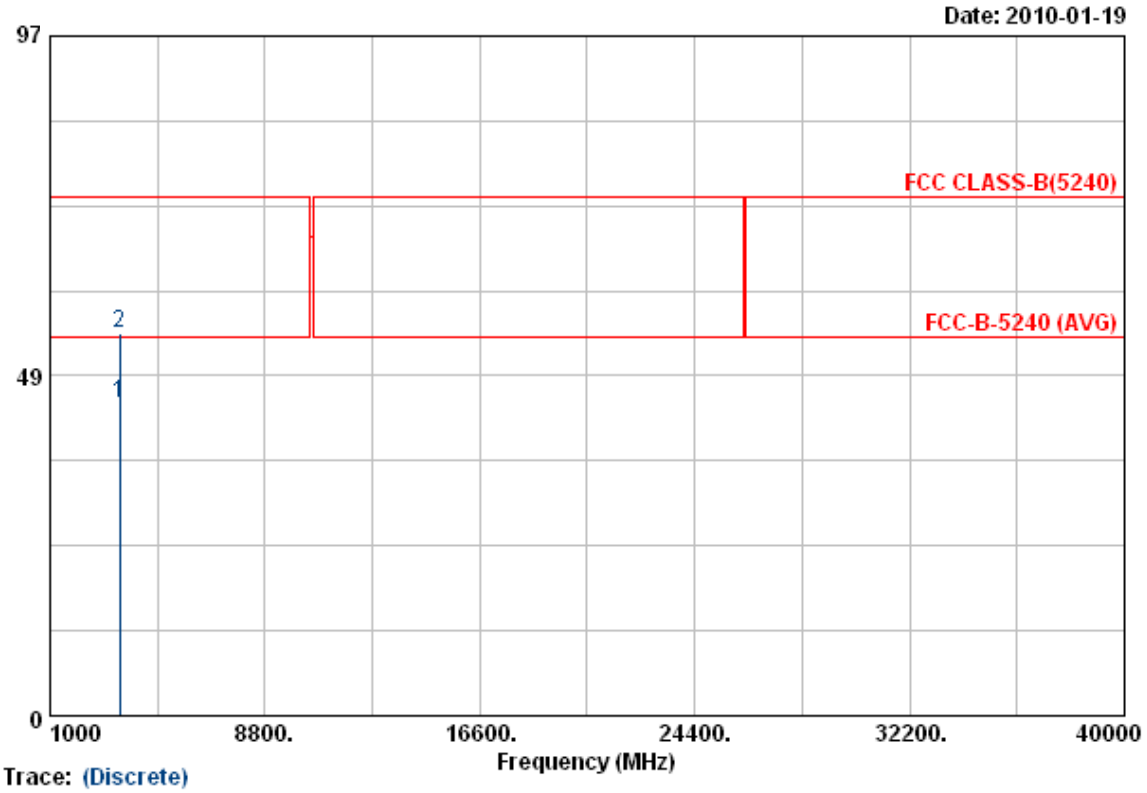
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.73	4.35	45.08	54.00	-8.92	Average	100	211
2	3521.00	50.73	4.35	55.08	74.00	-18.92	Peak	100	211

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH48	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



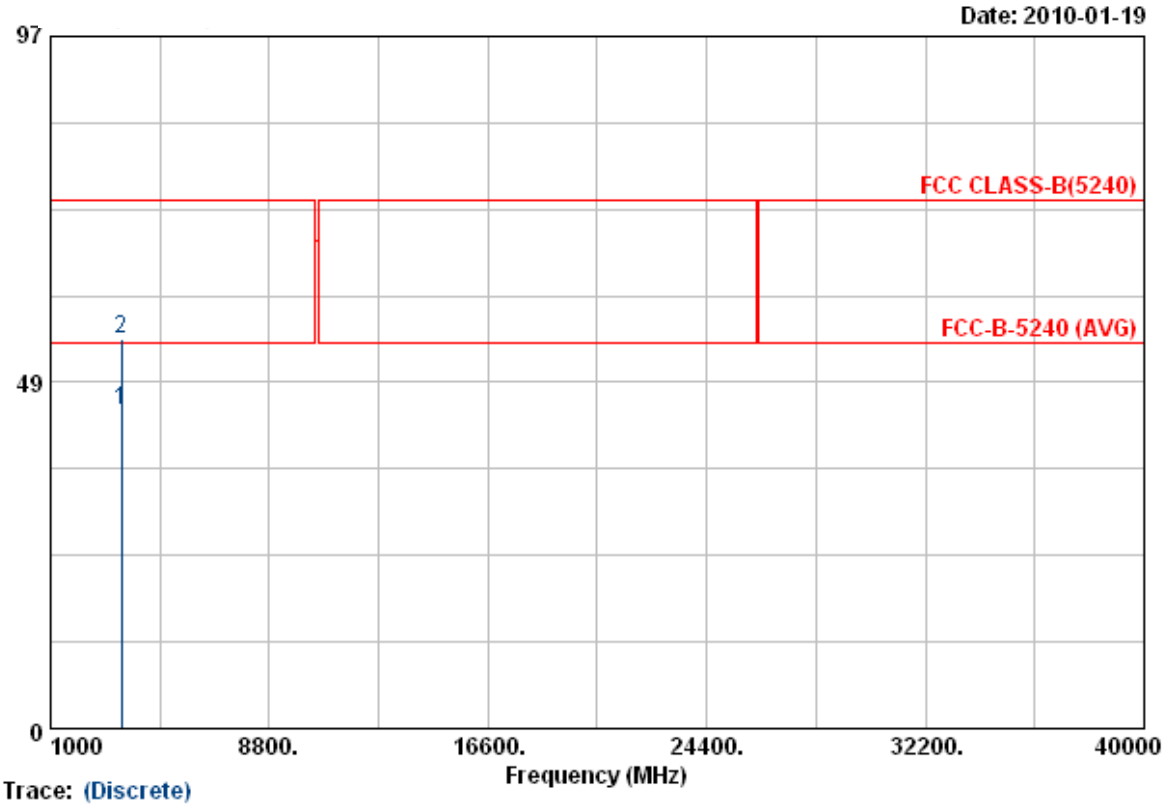
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.85	3.83	44.68	54.00	-9.32	Average	100	97
2	3520.00	50.85	3.83	54.68	74.00	-19.32	Peak	100	97

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH48	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



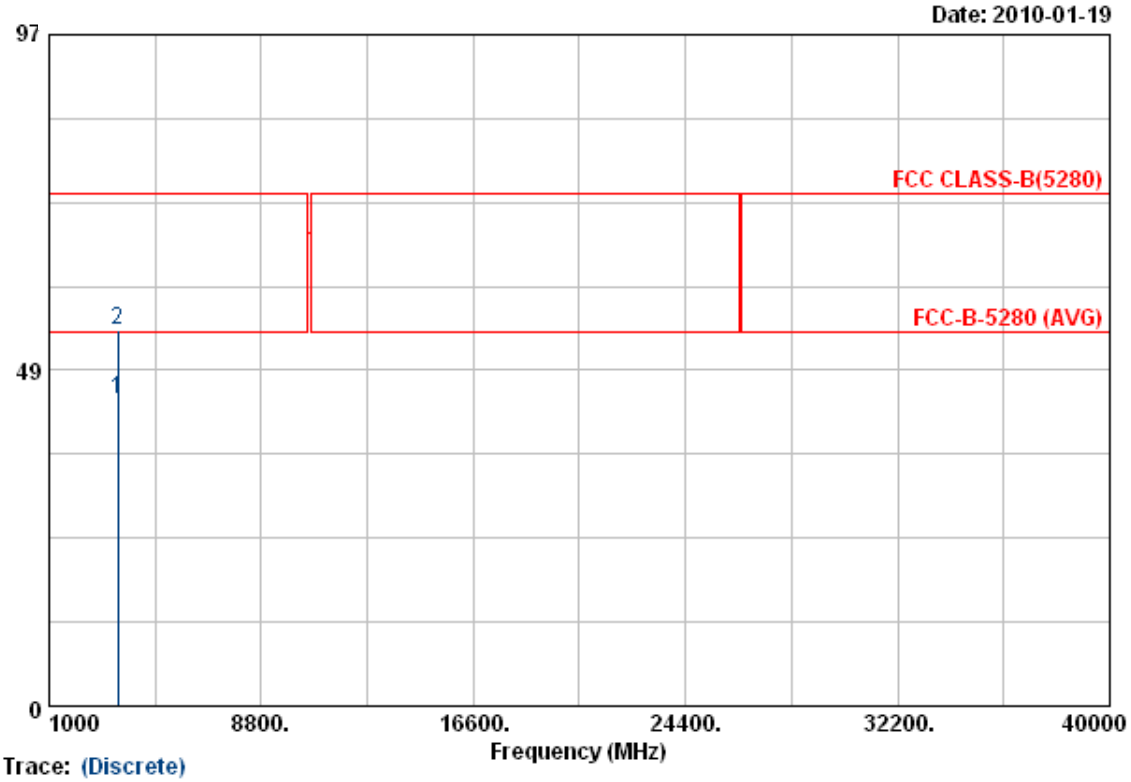
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.13	4.35	44.48	54.00	-9.52	Average	100	176
2	3521.00	50.13	4.35	54.48	74.00	-19.52	Peak	100	176

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH56	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



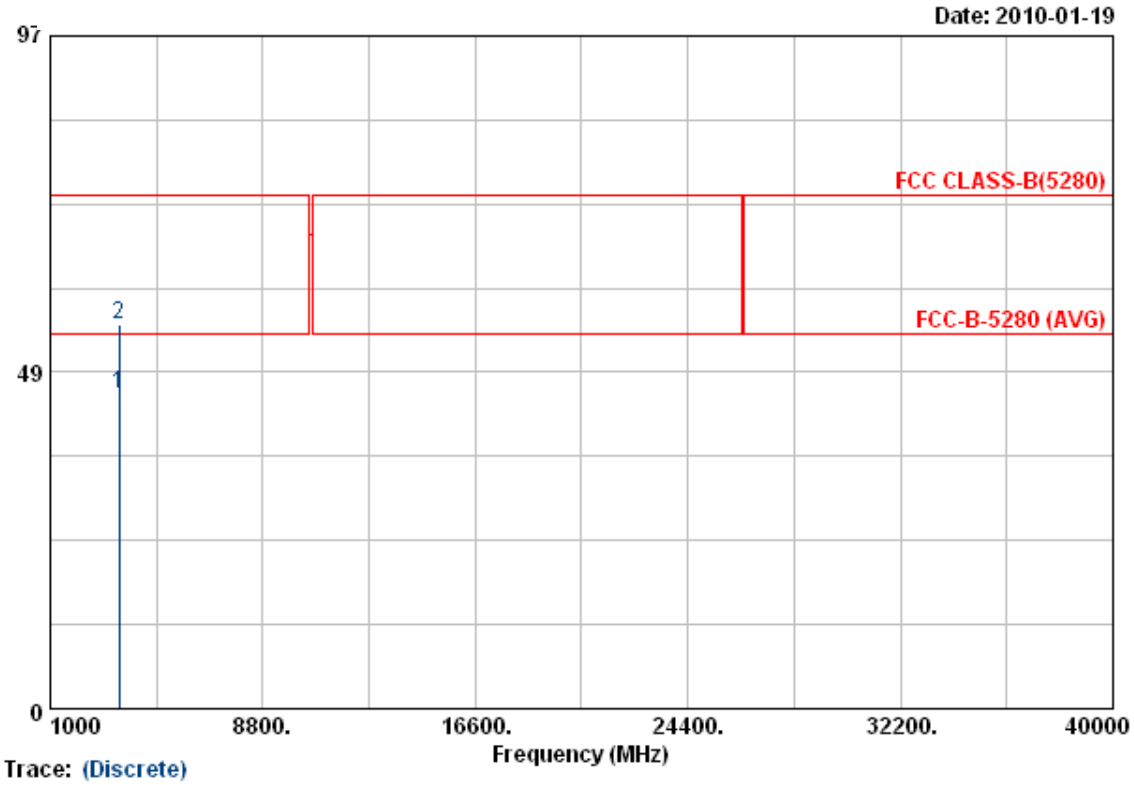
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.47	3.83	44.30	54.00	-9.70	Average	100	0
2	3520.00	50.47	3.83	54.30	74.00	-19.70	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH56	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



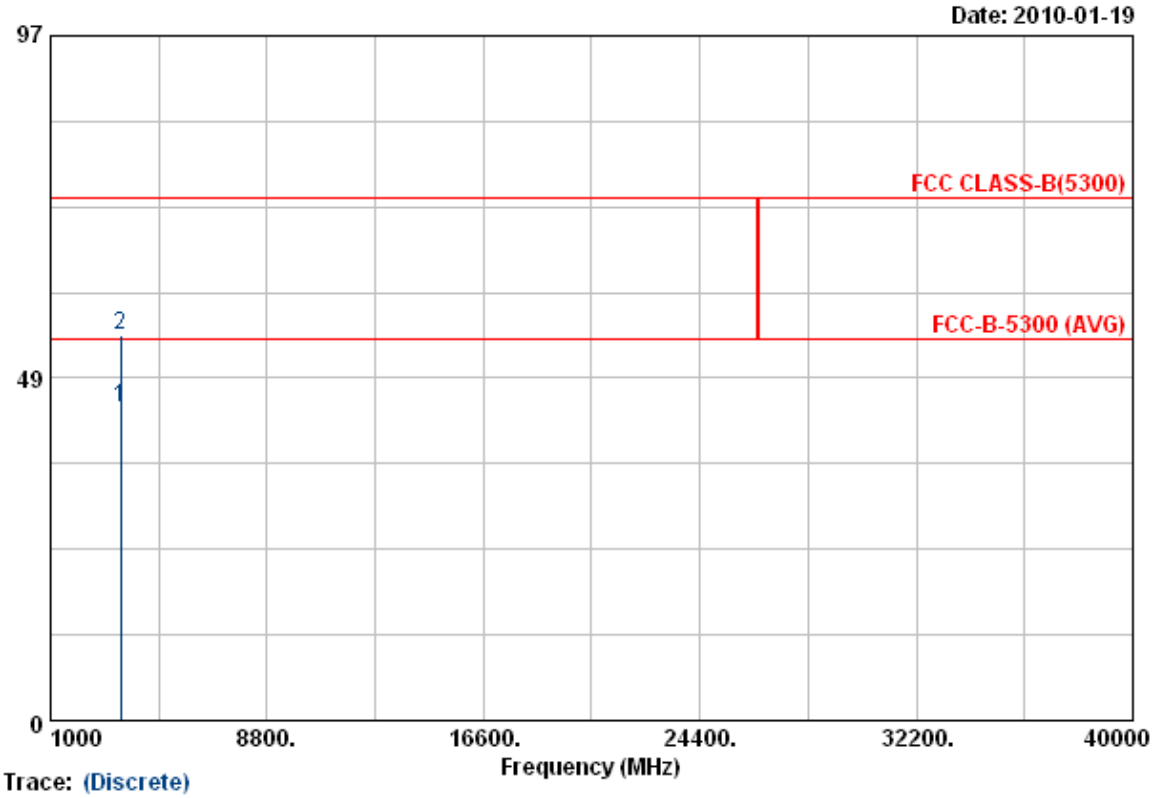
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.96	4.35	45.31	54.00	-8.69	Average	100	360
2	3521.00	50.96	4.35	55.31	74.00	-18.69	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH60	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



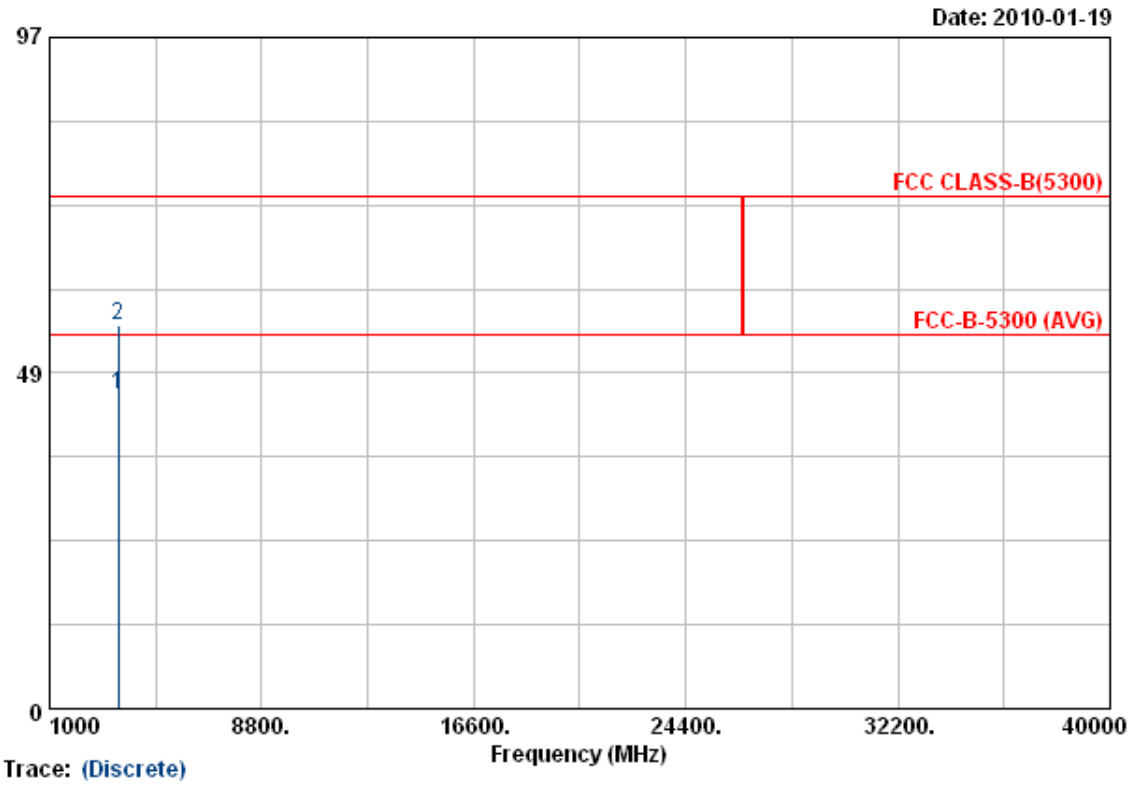
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.53	3.83	44.36	54.00	-9.64	Average	100	0
2	3520.00	50.67	3.83	54.50	74.00	-19.50	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH60	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



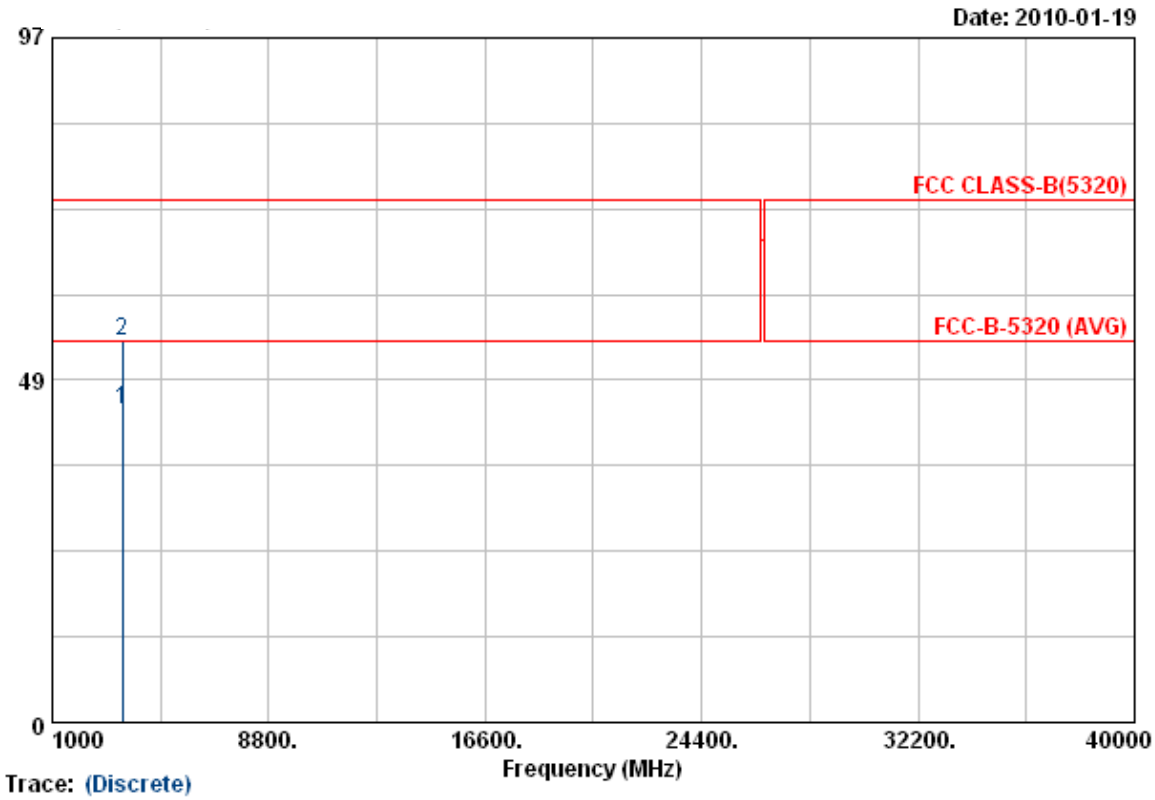
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.95	4.35	45.30	54.00	-8.70	Average	150	0
2	3521.00	50.92	4.35	55.27	74.00	-18.73	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH64	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



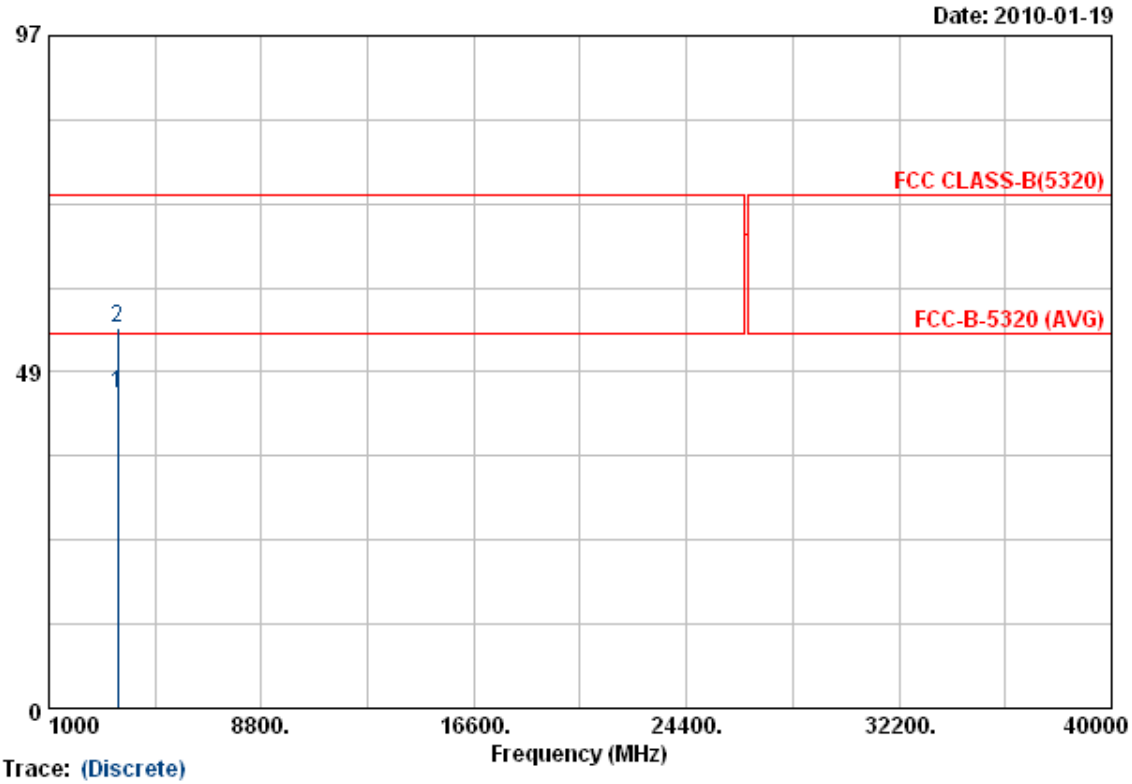
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.36	3.83	44.19	54.00	-9.81	Average	100	0
2	3520.00	50.19	3.83	54.02	74.00	-19.98	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH64	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



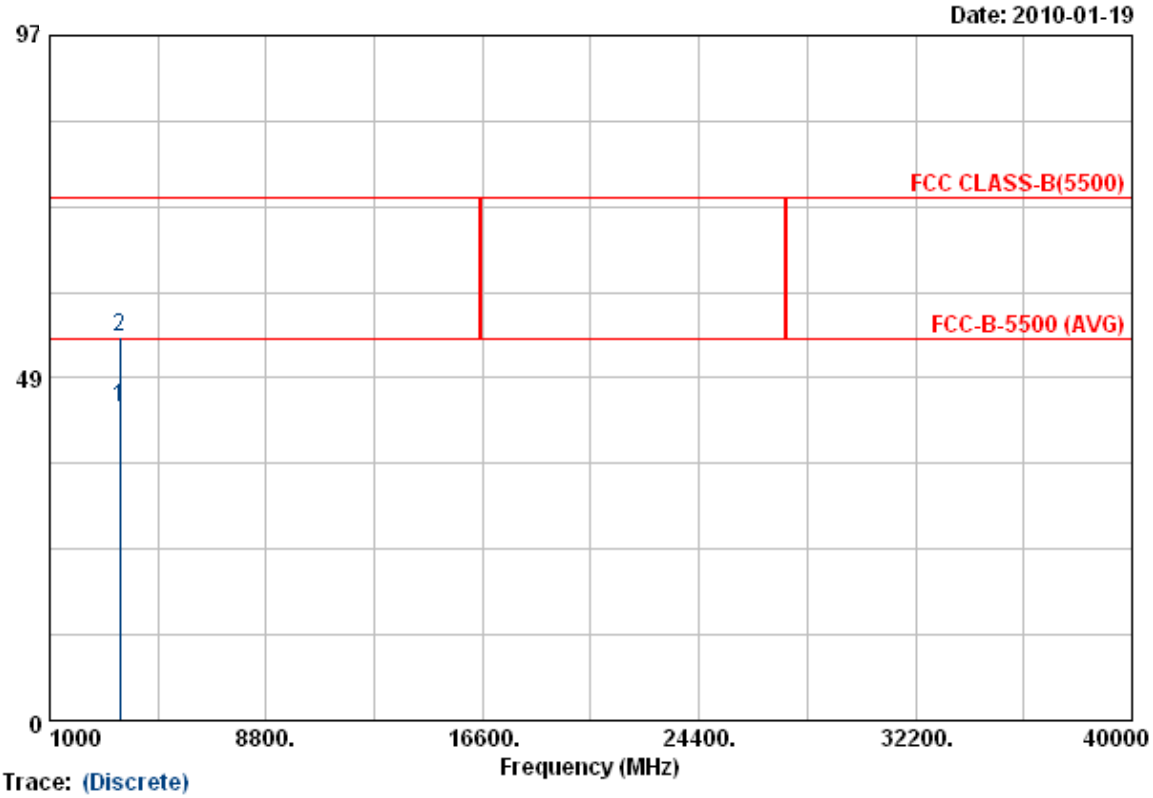
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.93	4.35	45.28	54.00	-8.72	Average	100	0
2	3521.00	50.55	4.35	54.90	74.00	-19.10	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH100	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



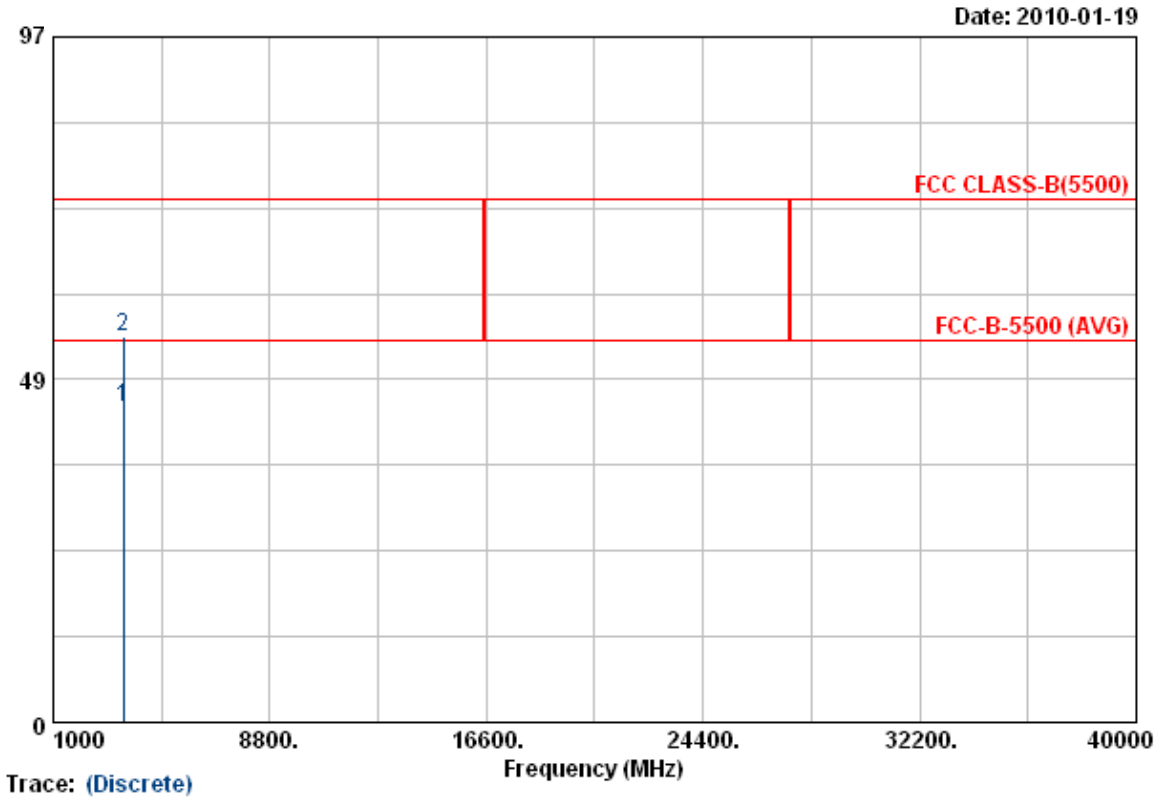
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.46	3.83	44.29	54.00	-9.71	Average	100	0
2	3520.00	50.39	3.83	54.22	74.00	-19.78	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH100	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



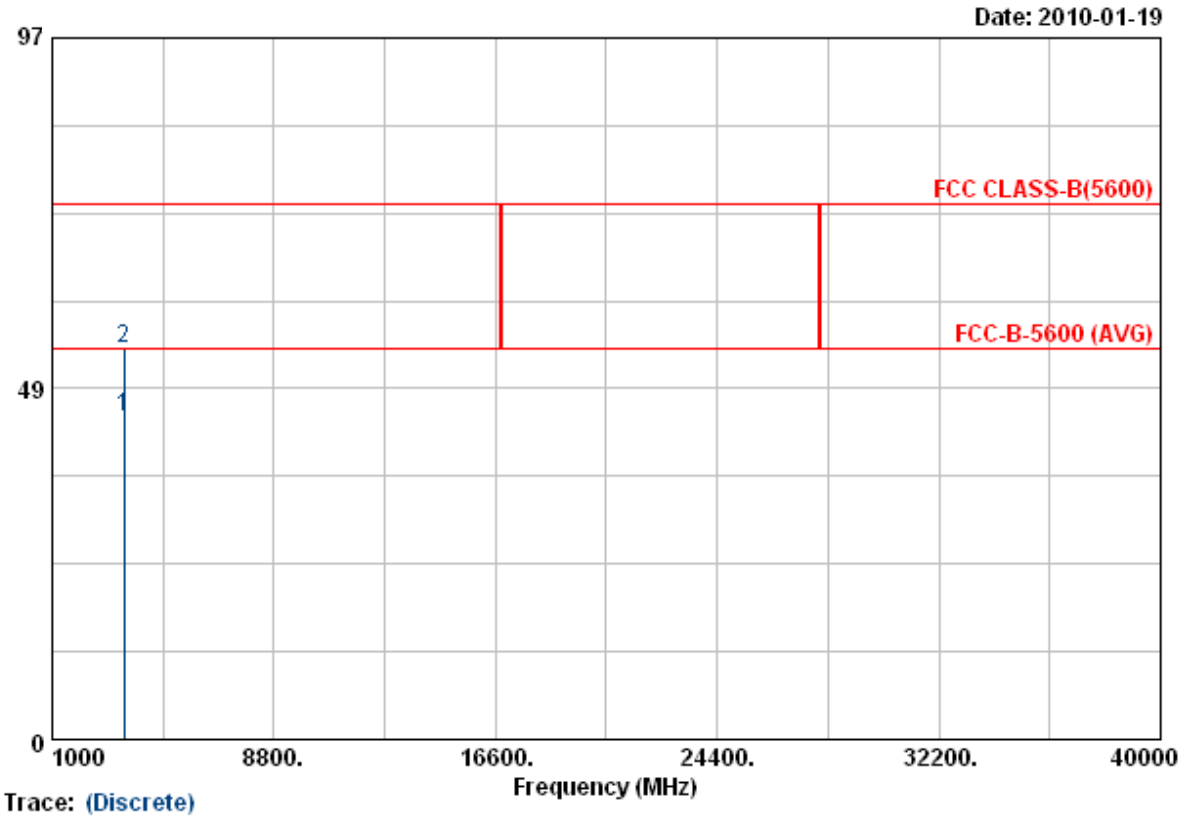
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.26	4.35	44.61	54.00	-9.39	Average	100	0
2	3521.00	50.34	4.35	54.69	74.00	-19.31	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH120	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



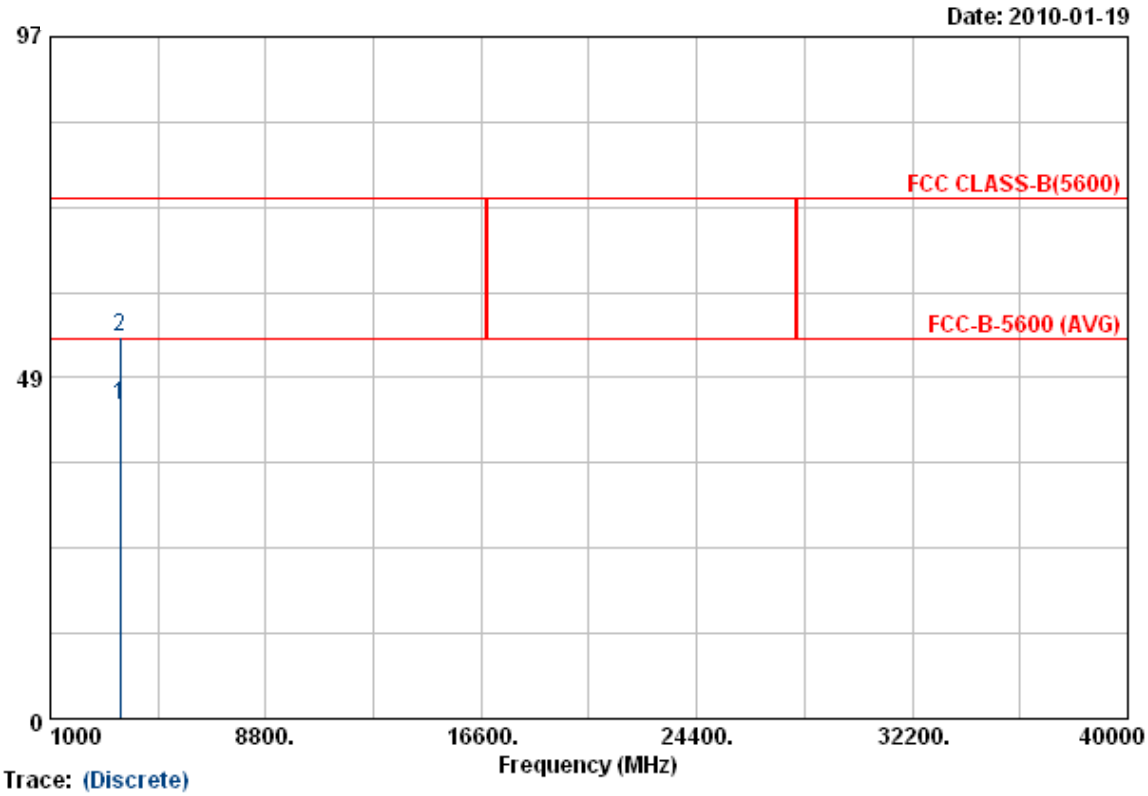
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.85	3.83	44.68	54.00	-9.32	Average	100	360
2	3520.00	50.21	3.83	54.04	74.00	-19.96	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH120	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



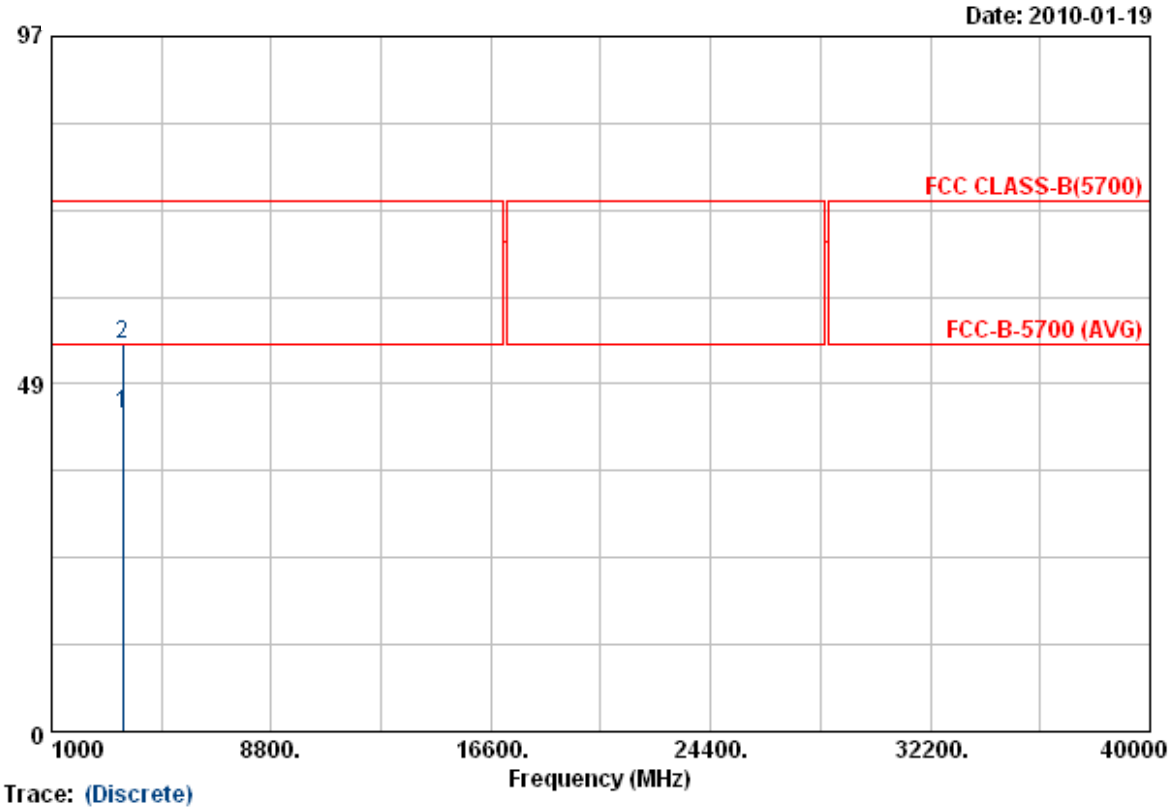
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.17	4.35	44.52	54.00	-9.48	Average	100	360
2	3521.00	50.01	4.35	54.36	74.00	-19.64	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11a, CH140	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



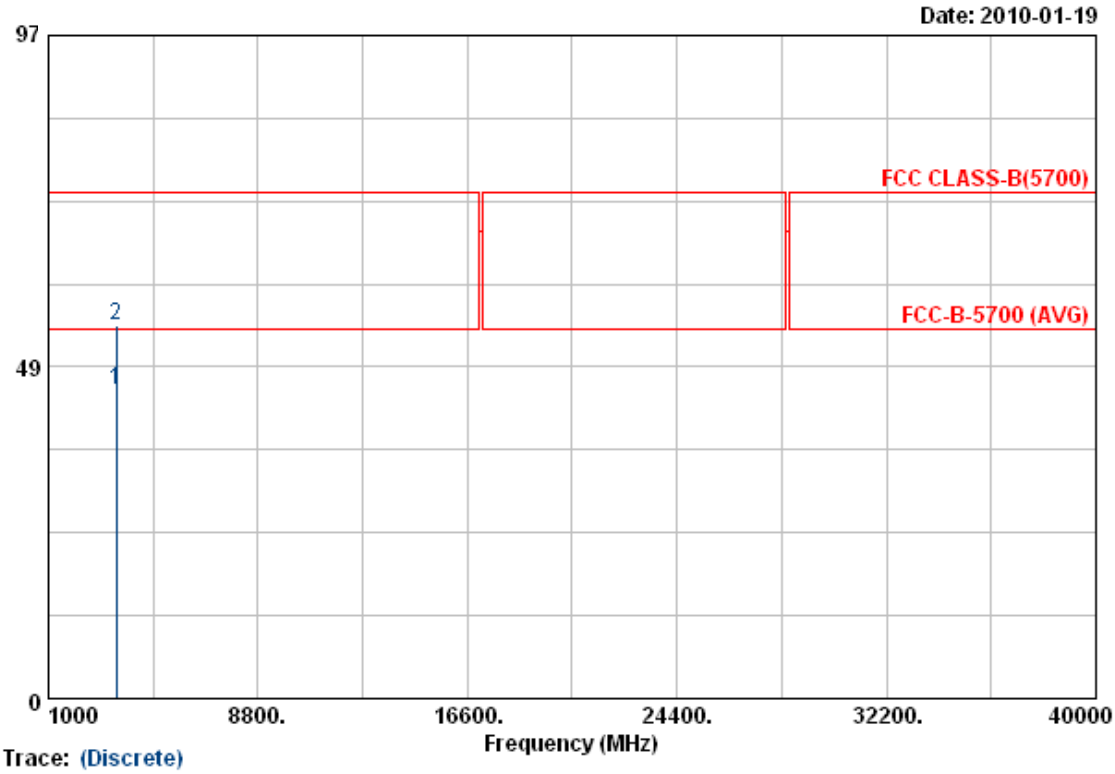
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.39	3.83	44.22	54.00	-9.78	Average	100	360
2	3520.00	50.11	3.83	53.94	74.00	-20.06	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11a, CH140	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



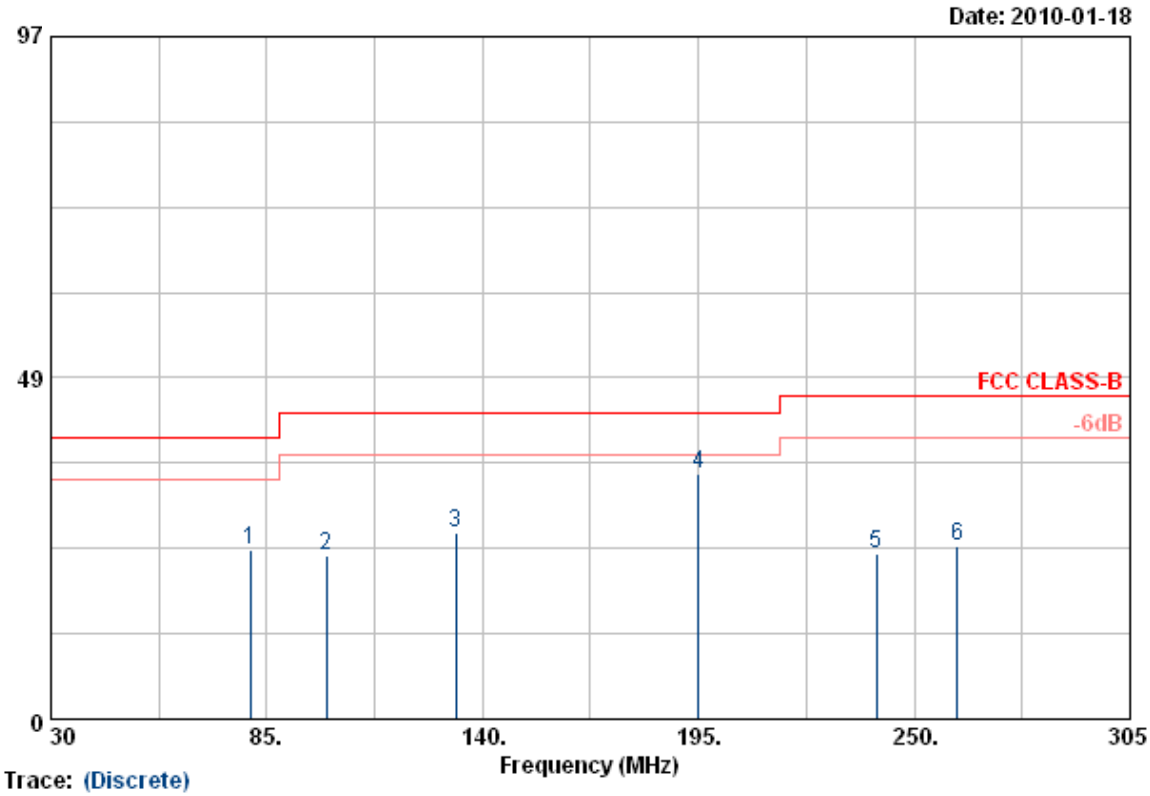
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.70	4.35	45.05	54.00	-8.95	Average	100	360
2	3521.00	50.12	4.35	54.47	74.00	-19.53	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	26 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



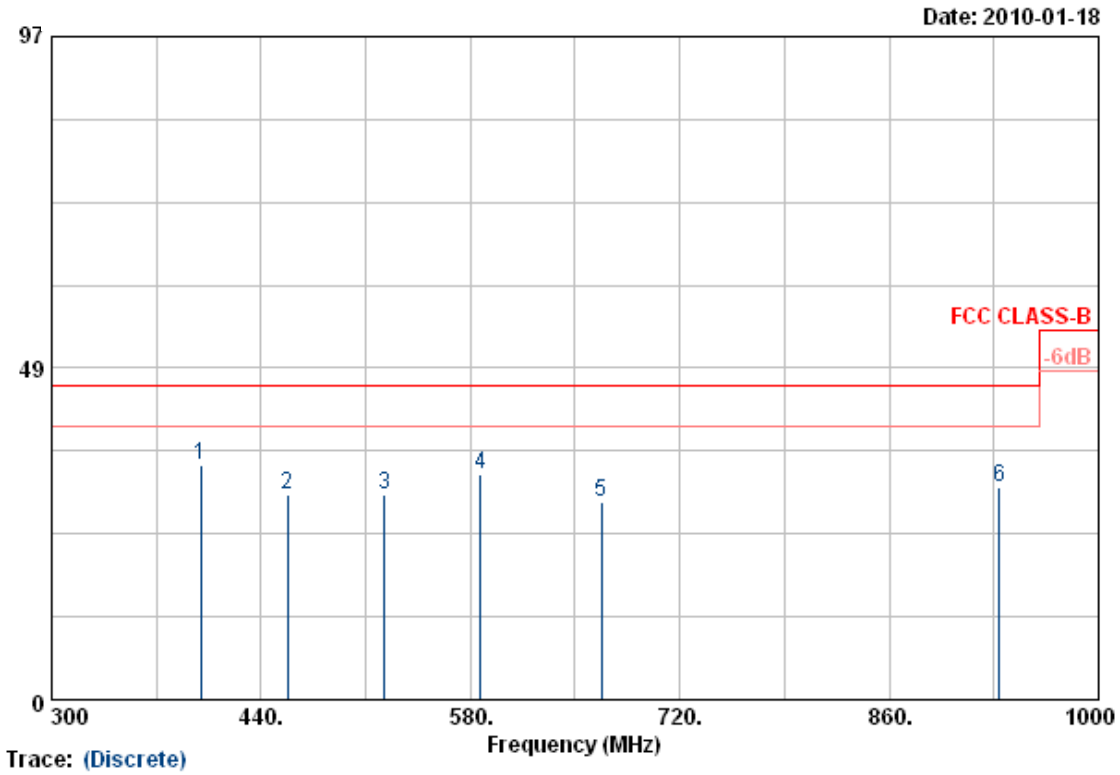
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	80.88	38.18	-14.22	23.96	40.00	-16.04	Peak	100	0
2	100.13	34.79	-11.62	23.17	43.50	-20.33	Peak	100	0
3	133.13	36.07	-9.47	26.60	43.50	-16.90	Peak	100	0
4	195.00	45.33	-10.35	34.98	43.50	-8.52	Peak	100	0
5	240.38	36.05	-12.61	23.44	46.00	-22.56	Peak	100	0
6	261.00	36.67	-12.03	24.64	46.00	-21.36	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	26 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



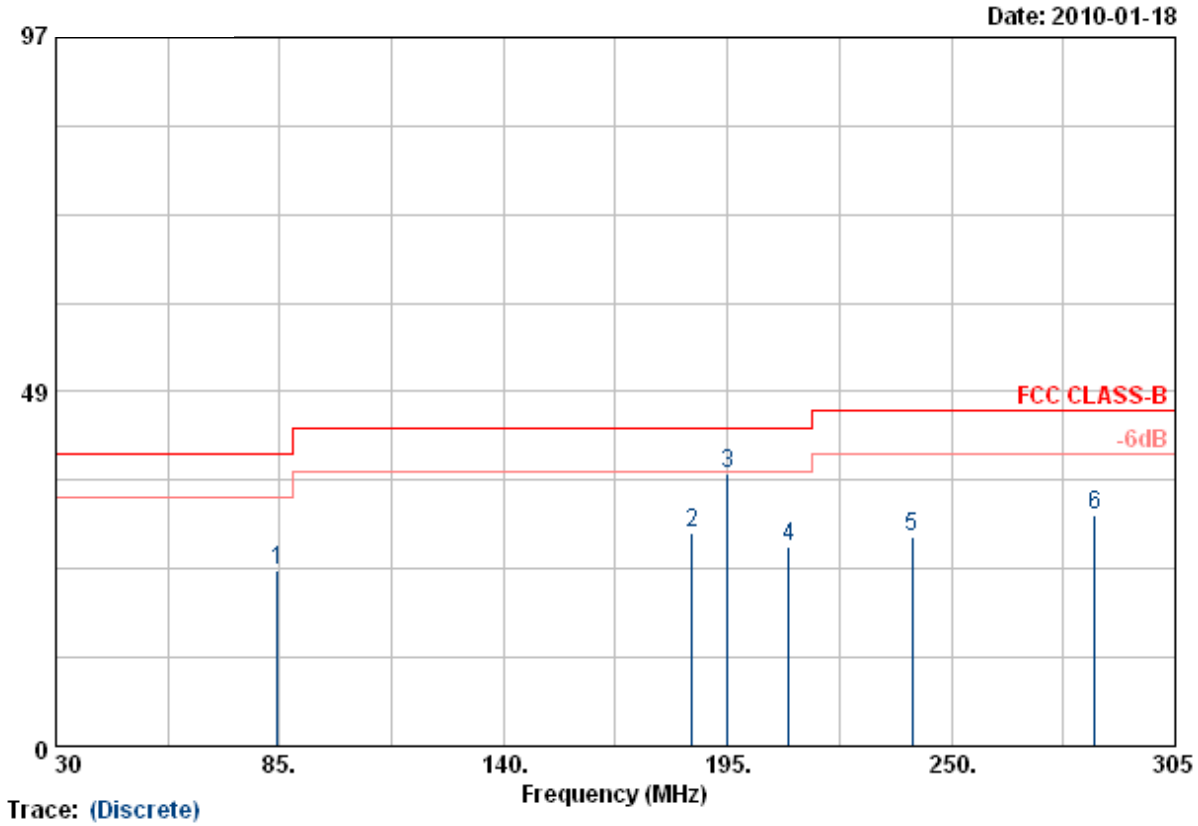
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	41.30	-6.97	34.33	46.00	-11.67	Peak	150	0
2	457.50	37.97	-8.05	29.92	46.00	-16.08	Peak	150	0
3	522.60	38.31	-8.33	29.98	46.00	-16.02	Peak	150	0
4	587.00	37.82	-4.86	32.96	46.00	-13.04	Peak	150	0
5	667.50	32.73	-3.94	28.79	46.00	-17.21	Peak	150	0
6	933.50	26.58	4.36	30.94	46.00	-15.06	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	26 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



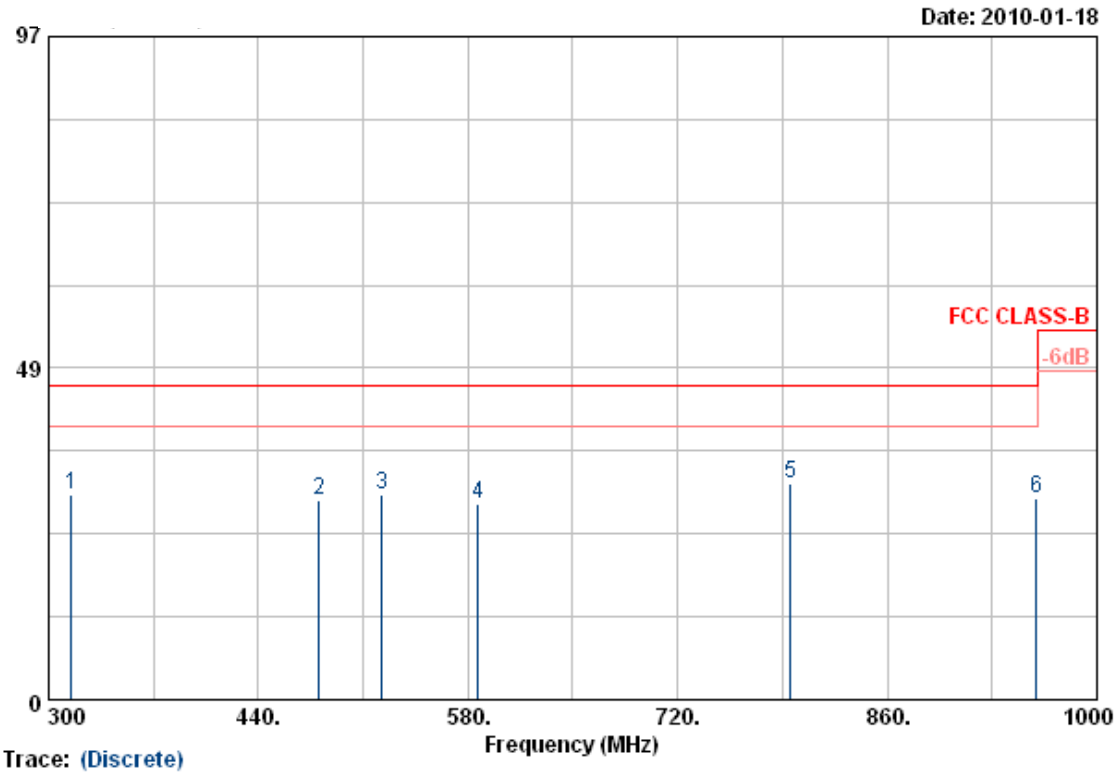
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	84.45	45.17	-21.02	24.15	40.00	-15.85	Peak	100	0
2	186.20	46.70	-17.50	29.20	43.50	-14.30	Peak	100	0
3	195.00	55.40	-18.03	37.37	43.50	-6.13	Peak	100	0
4	210.13	43.91	-16.66	27.25	43.50	-16.25	Peak	100	0
5	240.38	44.33	-15.81	28.52	46.00	-17.48	Peak	100	0
6	285.20	44.91	-13.29	31.62	46.00	-14.38	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	26 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



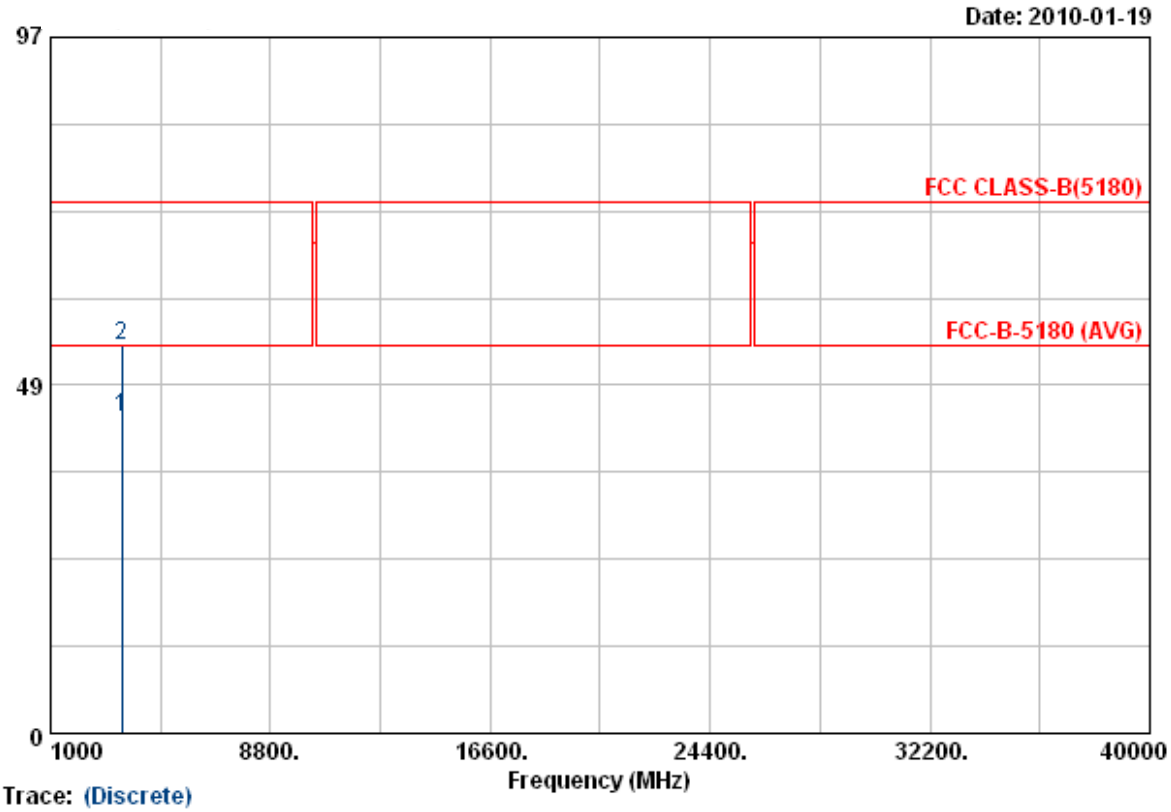
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	315.40	42.07	-12.14	29.93	46.00	-16.07	Peak	150	0
2	480.60	34.33	-5.17	29.16	46.00	-16.84	Peak	150	0
3	522.60	35.98	-6.07	29.91	46.00	-16.09	Peak	150	0
4	587.00	30.78	-2.05	28.73	46.00	-17.27	Peak	150	0
5	795.60	32.09	-0.49	31.60	46.00	-14.40	Peak	150	0
6	959.40	28.16	1.28	29.44	46.00	-16.56	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



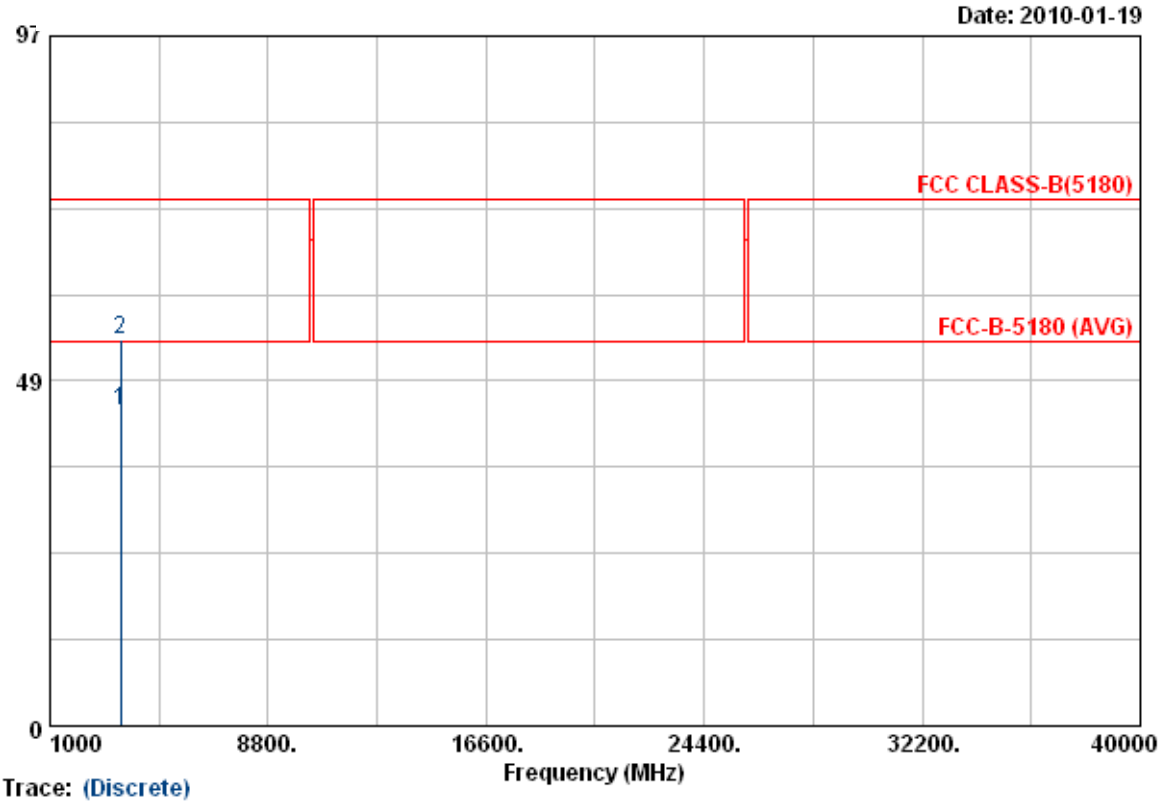
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.24	3.83	44.07	54.00	-9.93	Average	100	233
2	3520.00	50.24	3.83	54.07	74.00	-19.93	Peak	100	233

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH36	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



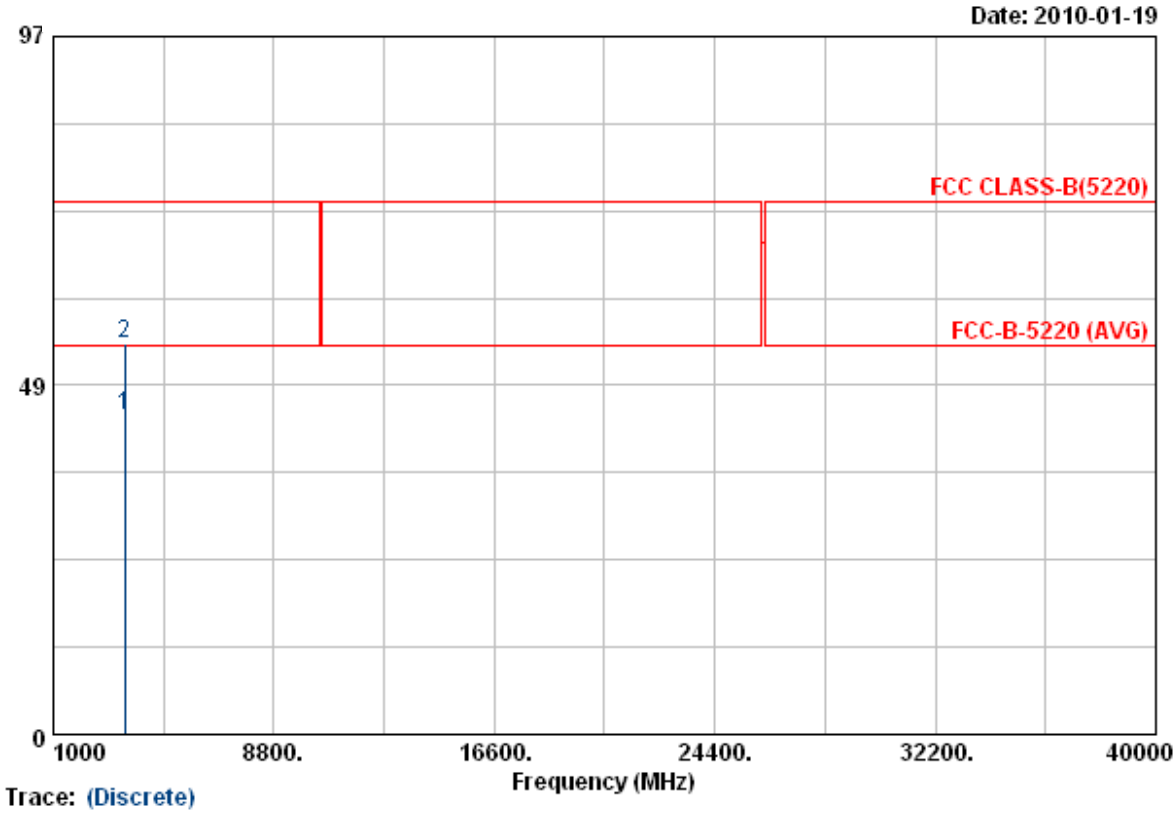
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.09	4.35	44.44	54.00	-9.56	Average	100	229
2	3521.00	50.09	4.35	54.44	74.00	-19.56	Peak	100	229

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH44	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



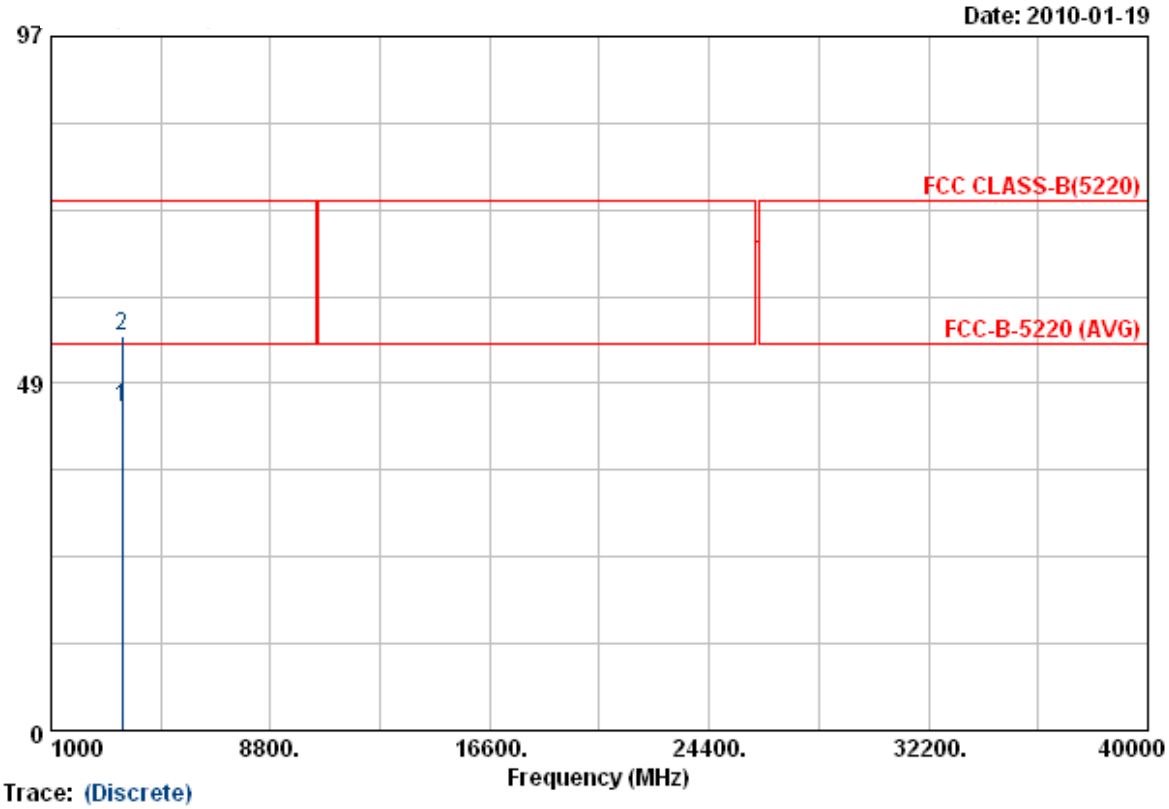
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.44	3.83	44.27	54.00	-9.73	Average	100	177
2	3520.00	50.44	3.83	54.27	74.00	-19.73	Peak	100	177

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH44	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



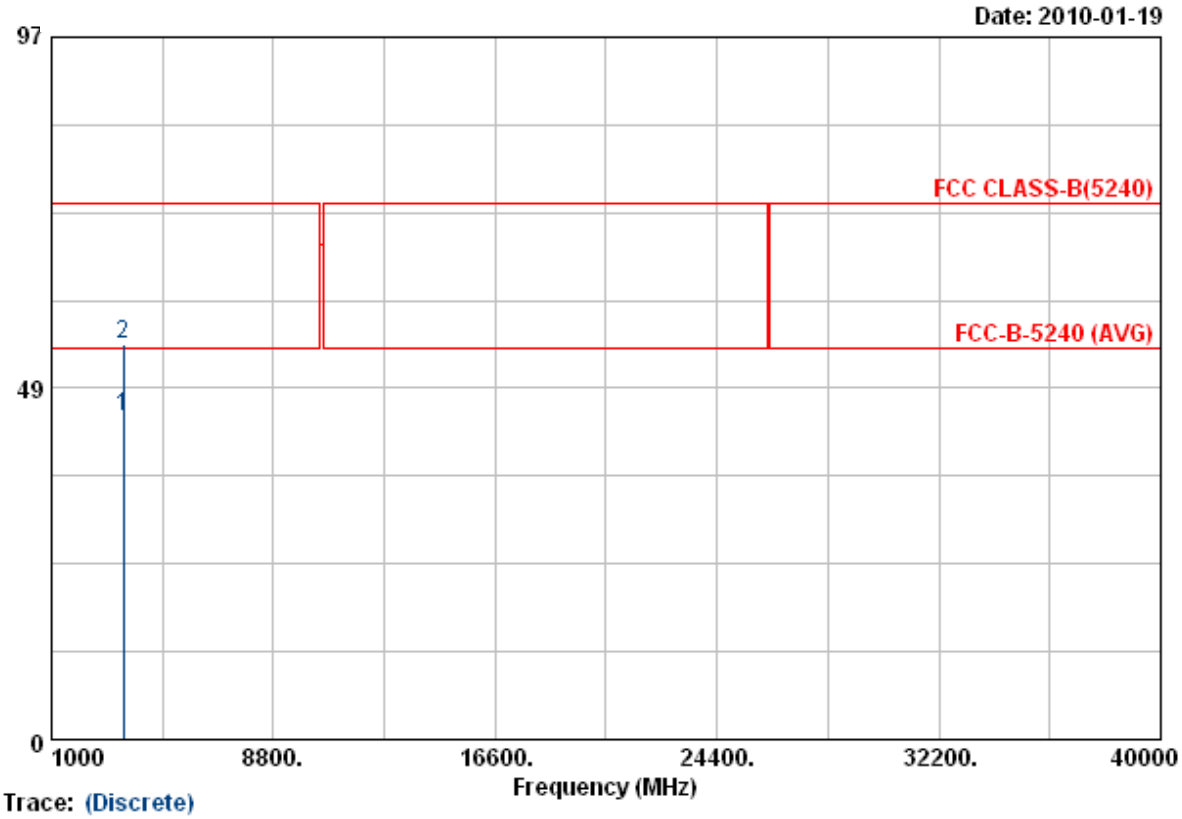
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.71	4.35	45.06	54.00	-8.94	Average	100	278
2	3521.00	50.71	4.35	55.06	74.00	-18.94	Peak	100	278

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH48	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



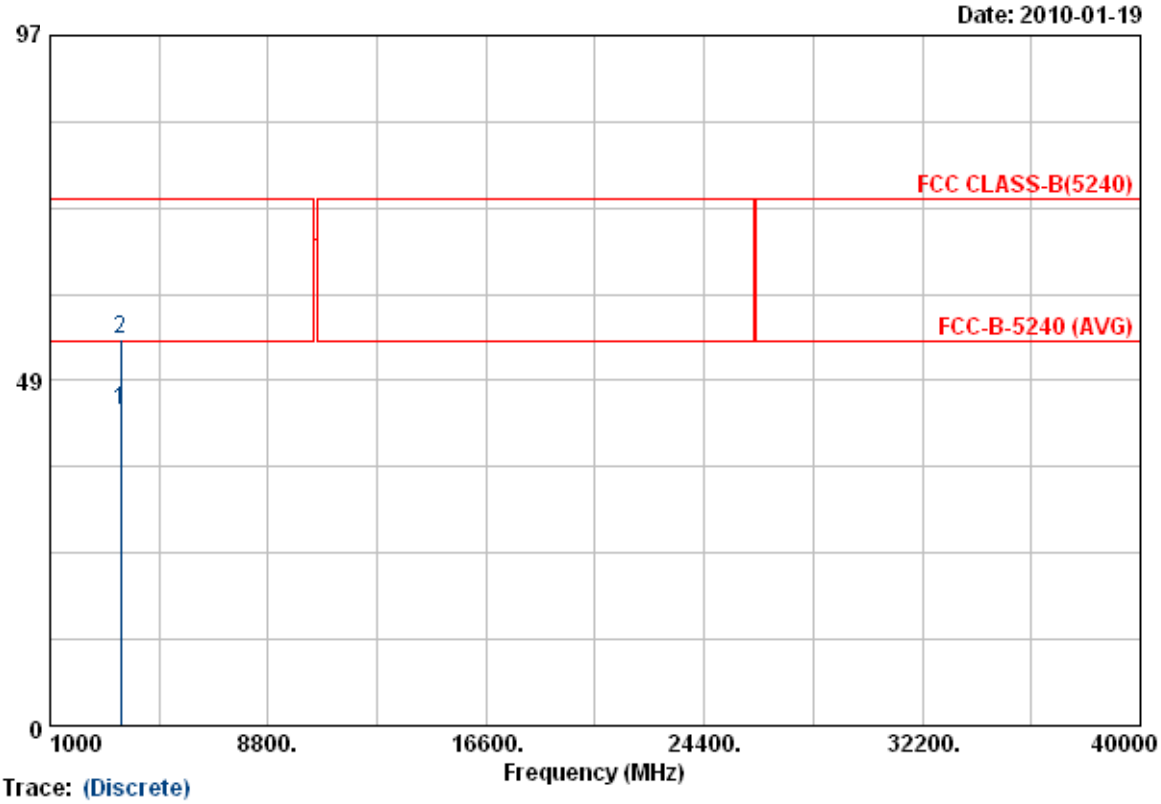
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.70	3.83	44.53	54.00	-9.47	Average	100	252
2	3520.00	50.70	3.83	54.53	74.00	-19.47	Peak	100	252

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH48	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



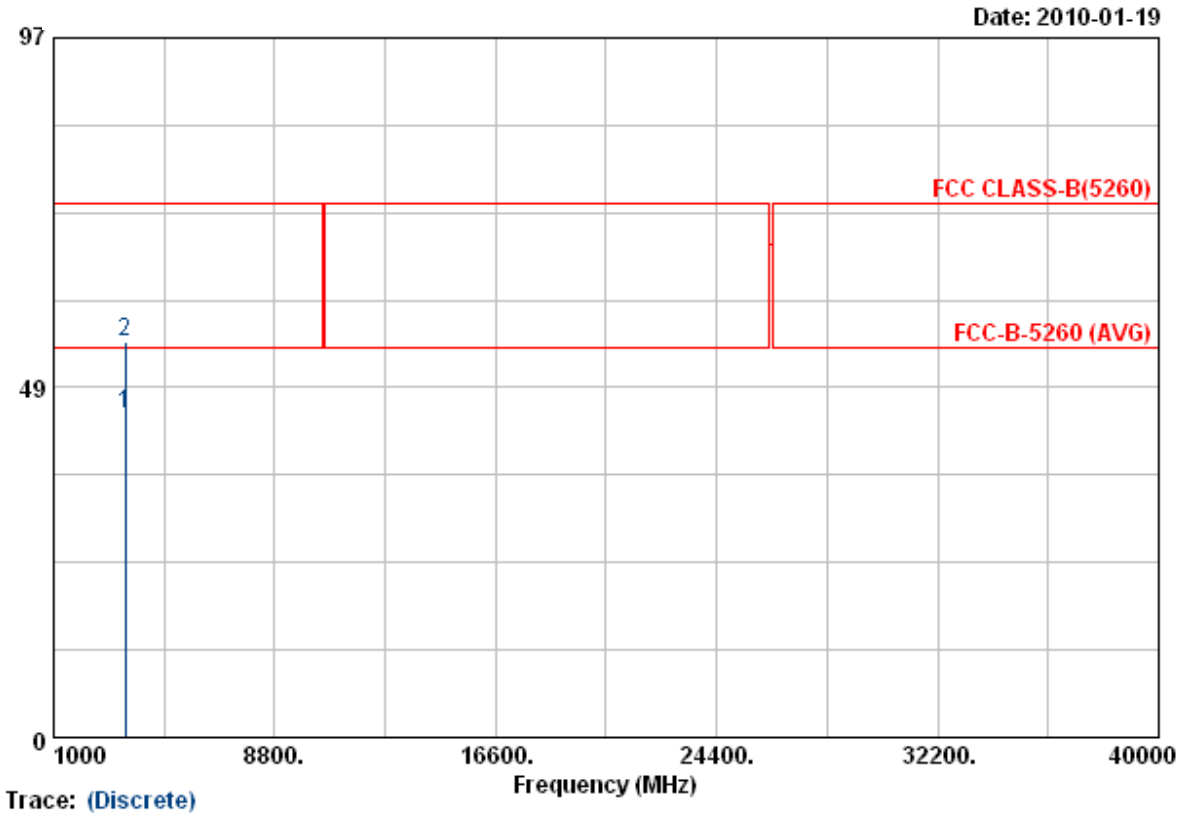
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.04	4.35	44.39	54.00	-9.61	Average	100	89
2	3521.00	50.04	4.35	54.39	74.00	-19.61	Peak	100	89

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH56	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



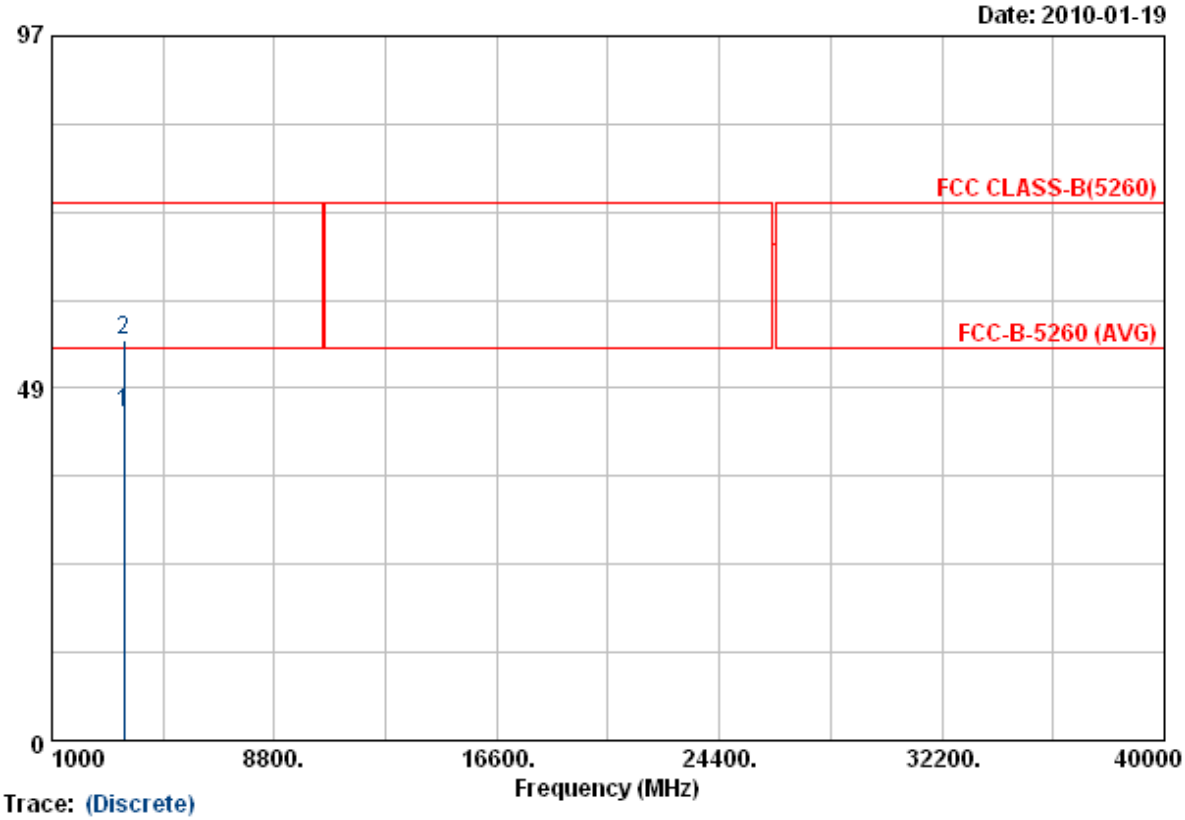
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.97	3.83	44.80	54.00	-9.20	Average	100	360
2	3520.00	50.97	3.83	54.80	74.00	-19.20	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH56	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



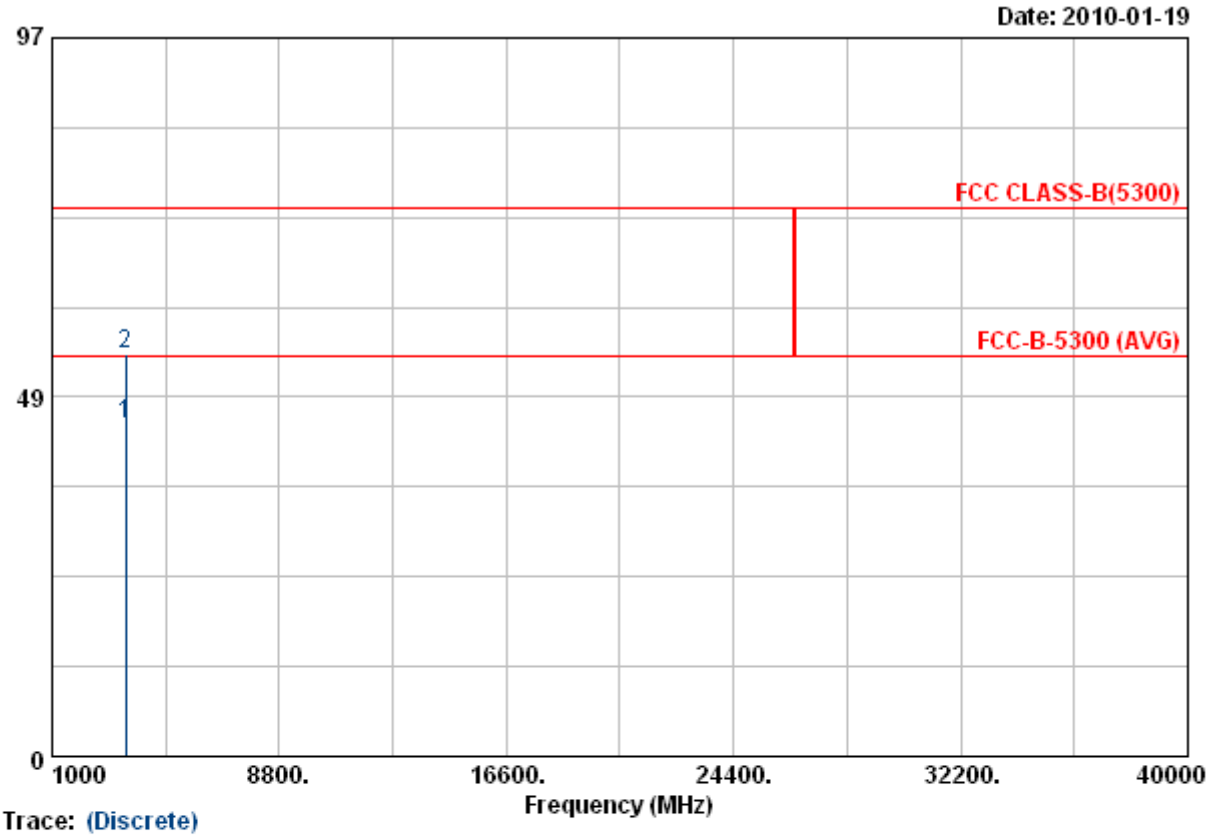
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.89	4.35	45.24	54.00	-8.76	Average	100	0
2	3521.00	50.89	4.35	55.24	74.00	-18.76	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH60	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



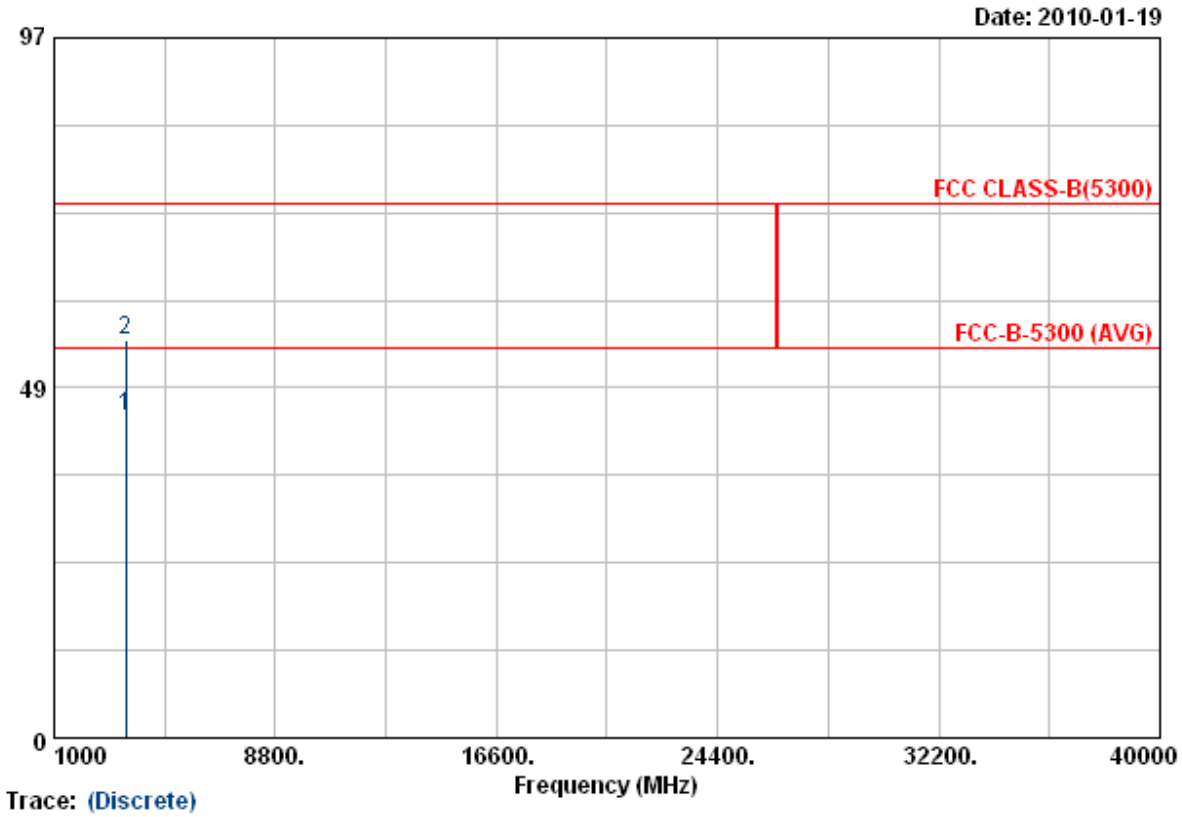
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.95	3.83	44.78	54.00	-9.22	Average	100	0
2	3520.00	50.57	3.83	54.40	74.00	-19.60	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH60	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



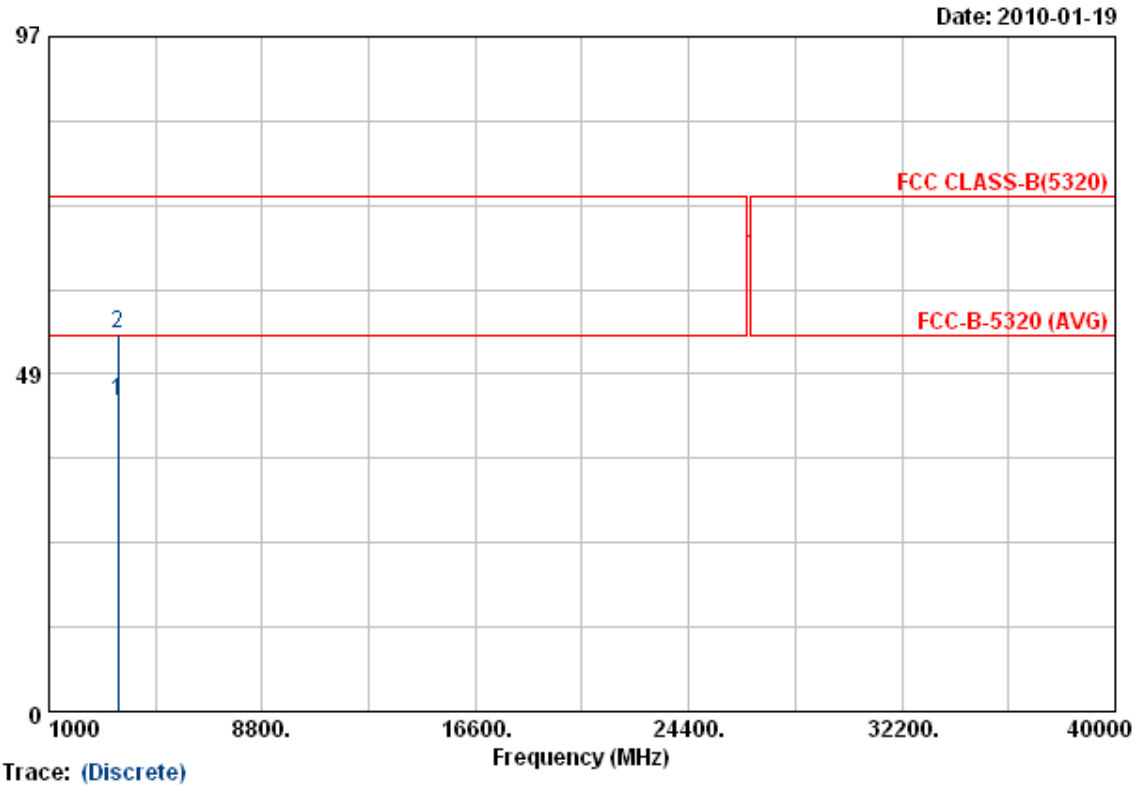
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.36	4.35	44.71	54.00	-9.29	Average	100	0
2	3521.00	50.67	4.35	55.02	74.00	-18.98	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH64	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



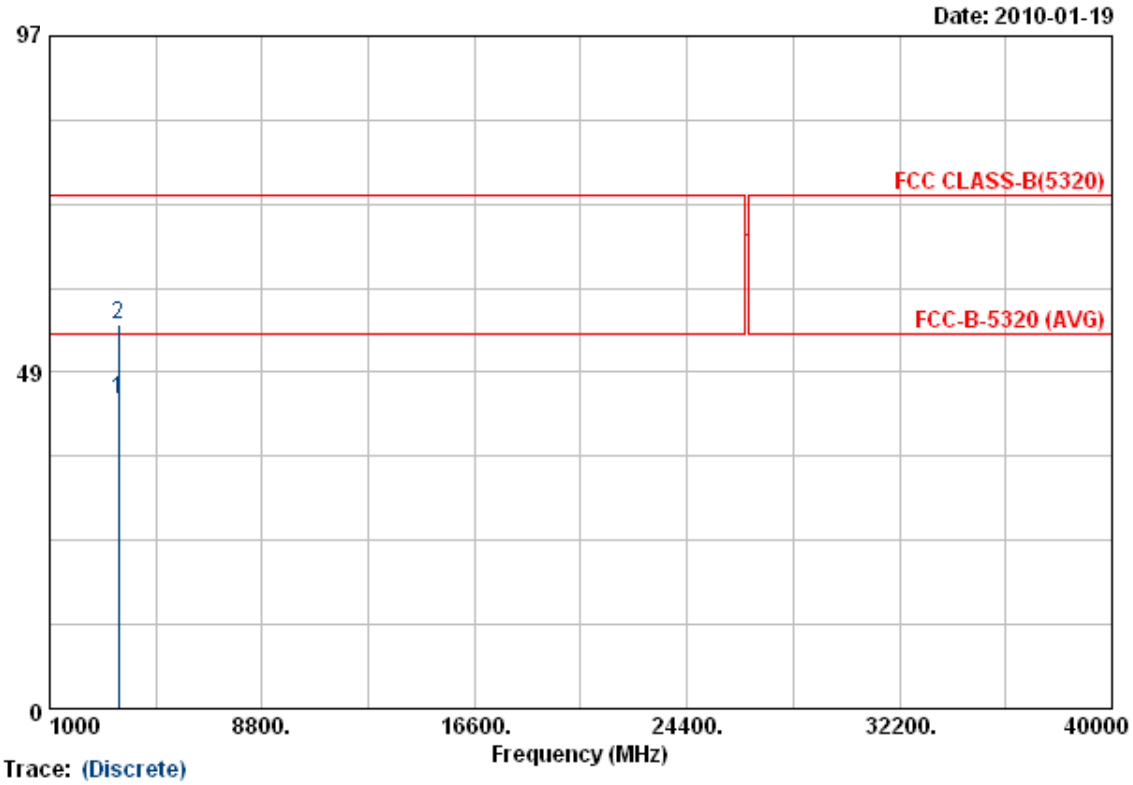
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.70	3.83	44.53	54.00	-9.47	Average	100	0
2	3520.00	50.43	3.83	54.26	74.00	-19.74	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH64	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



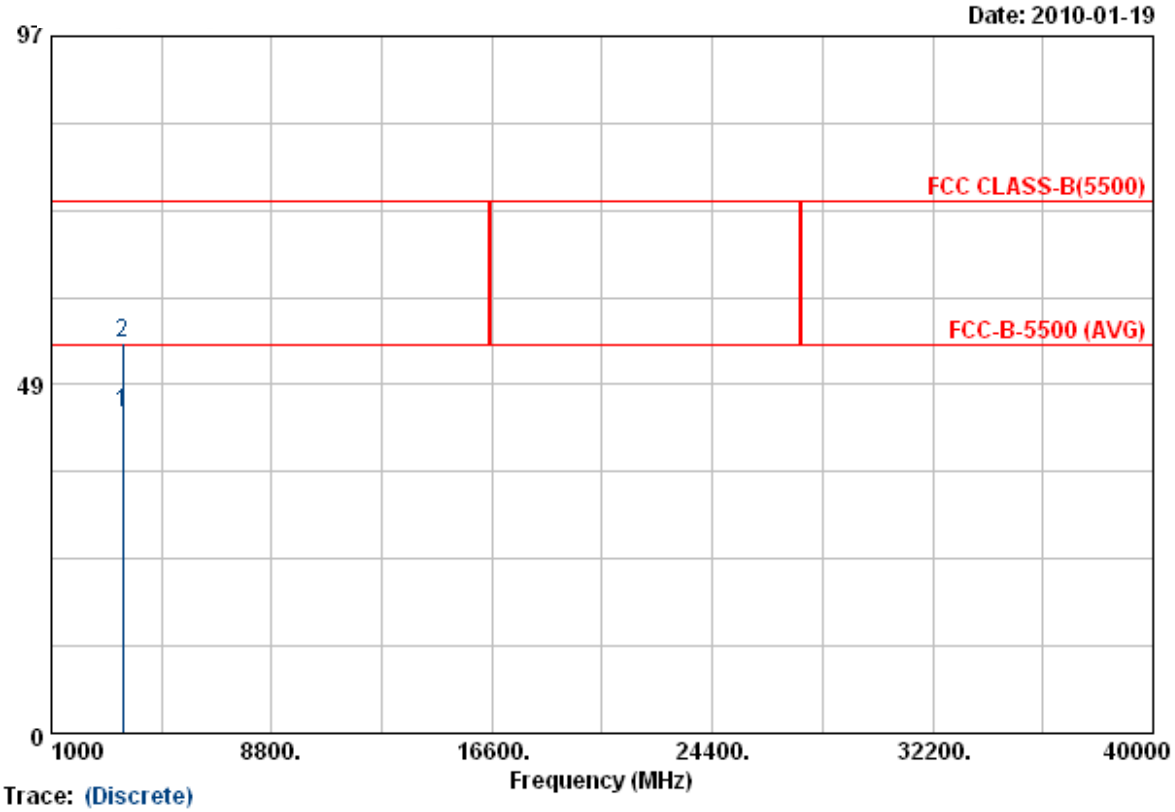
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.20	4.35	44.55	54.00	-9.45	Average	100	0
2	3521.00	50.92	4.35	55.27	74.00	-18.73	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH100	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



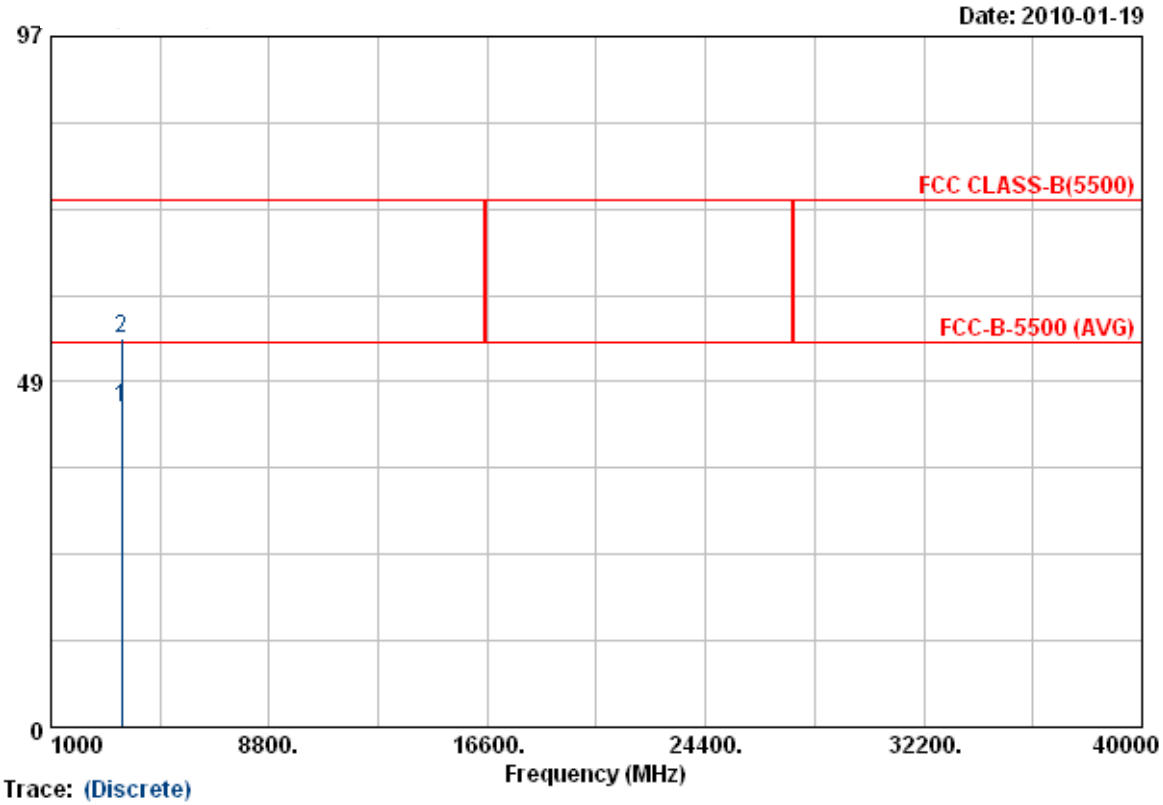
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.70	3.83	44.53	54.00	-9.47	Average	100	0
2	3520.00	50.43	3.83	54.26	74.00	-19.74	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH100	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



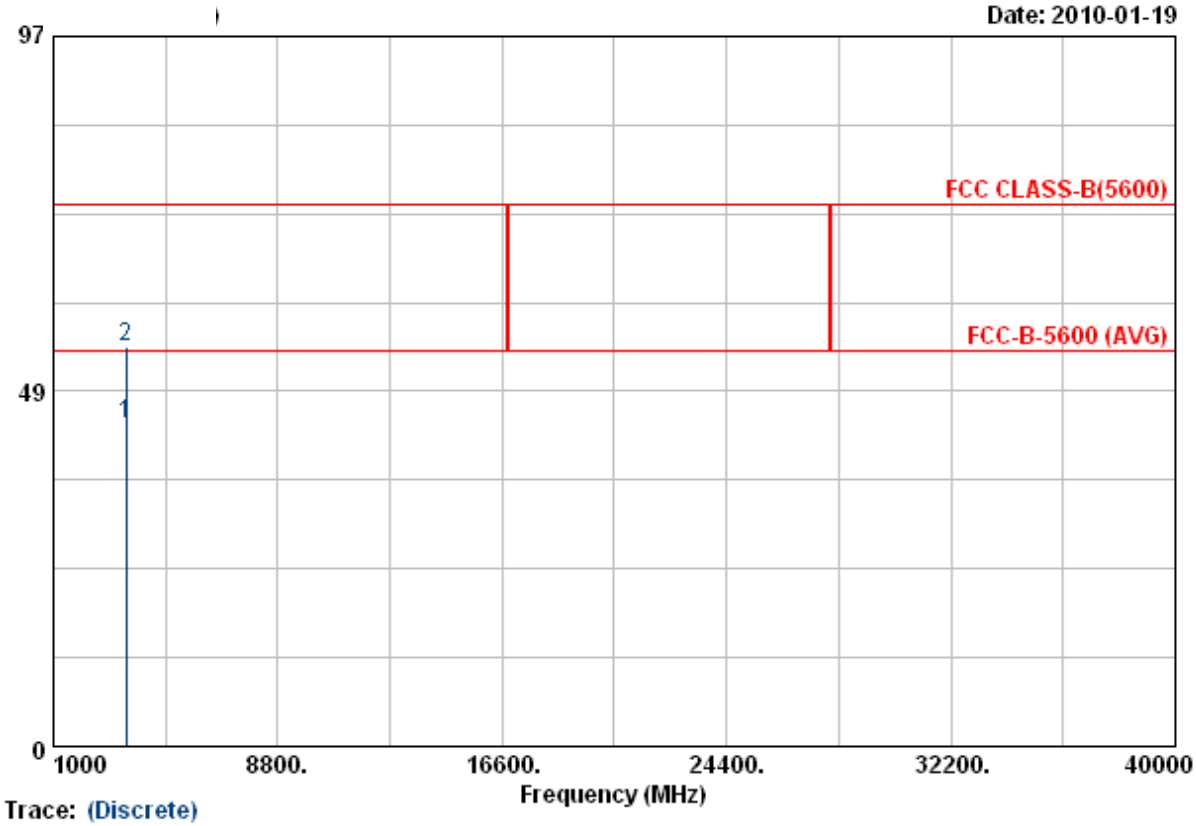
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.51	4.35	44.86	54.00	-9.14	Average	100	0
2	3521.00	50.29	4.35	54.64	74.00	-19.36	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH120	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



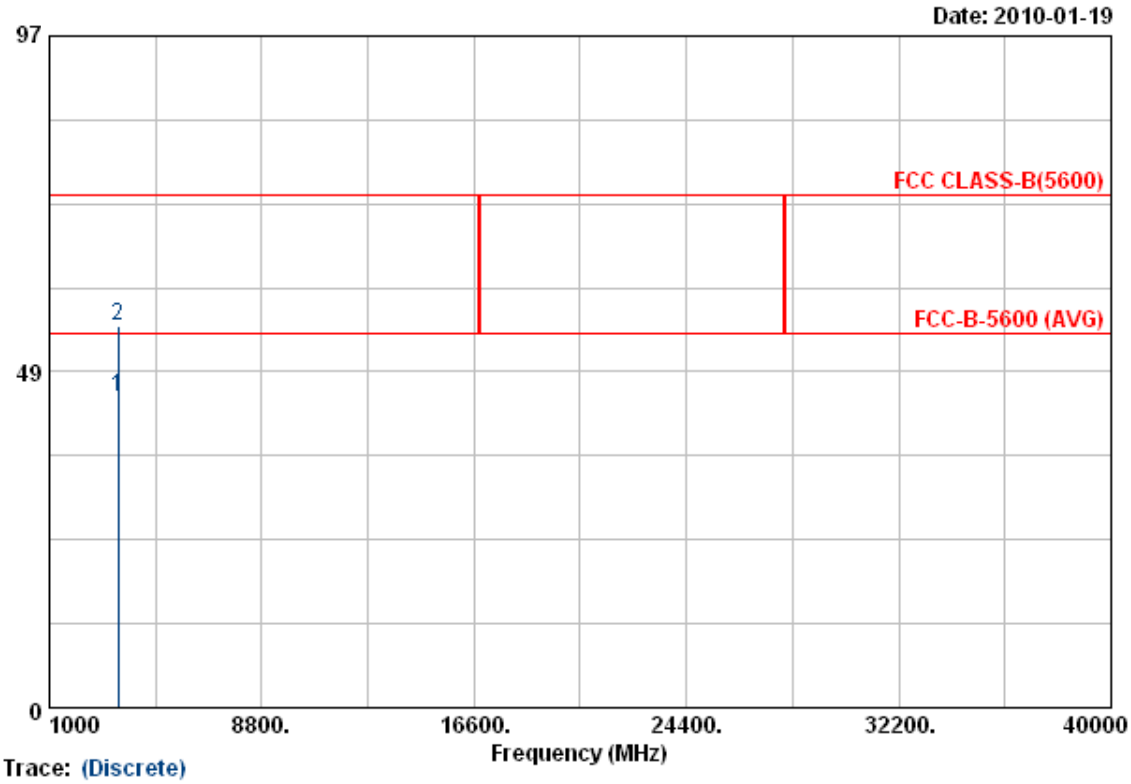
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.31	3.83	44.14	54.00	-9.86	Average	100	0
2	3520.00	50.81	3.83	54.64	74.00	-19.36	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH120	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



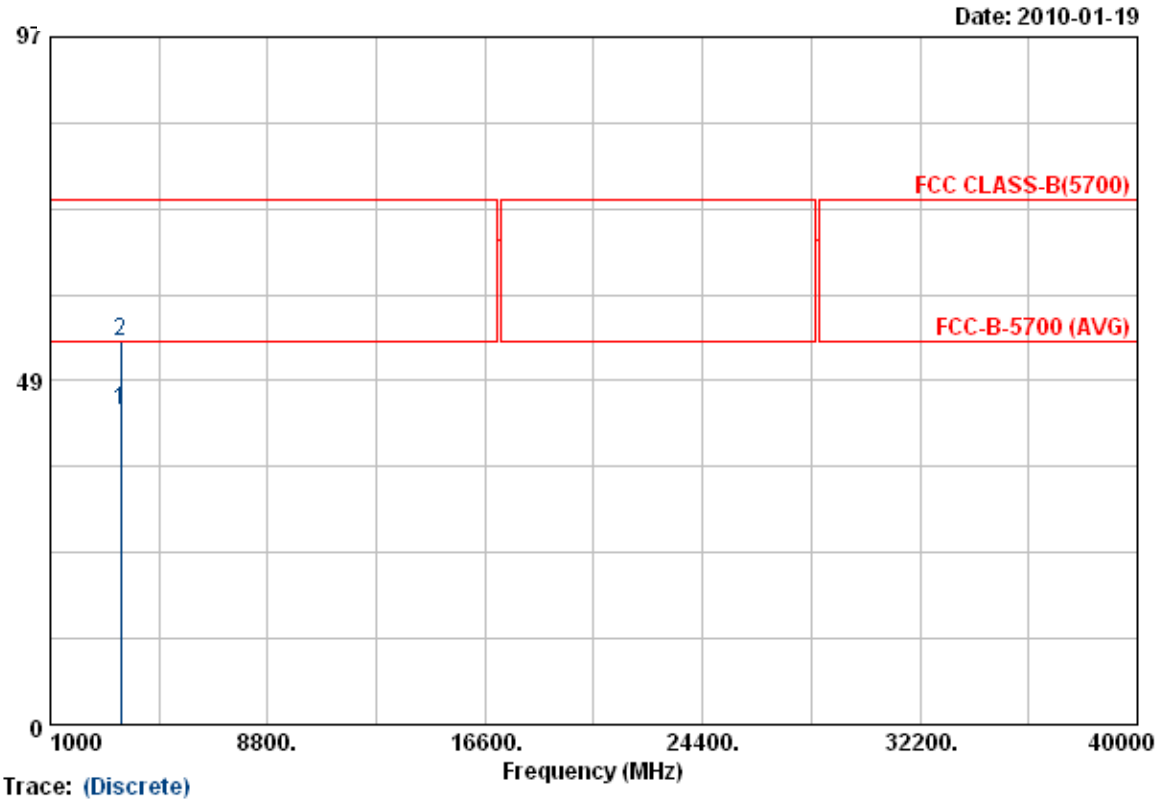
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.56	4.35	44.91	54.00	-9.09	Average	100	0
2	3521.00	50.66	4.35	55.01	74.00	-18.99	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT20, CH140	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



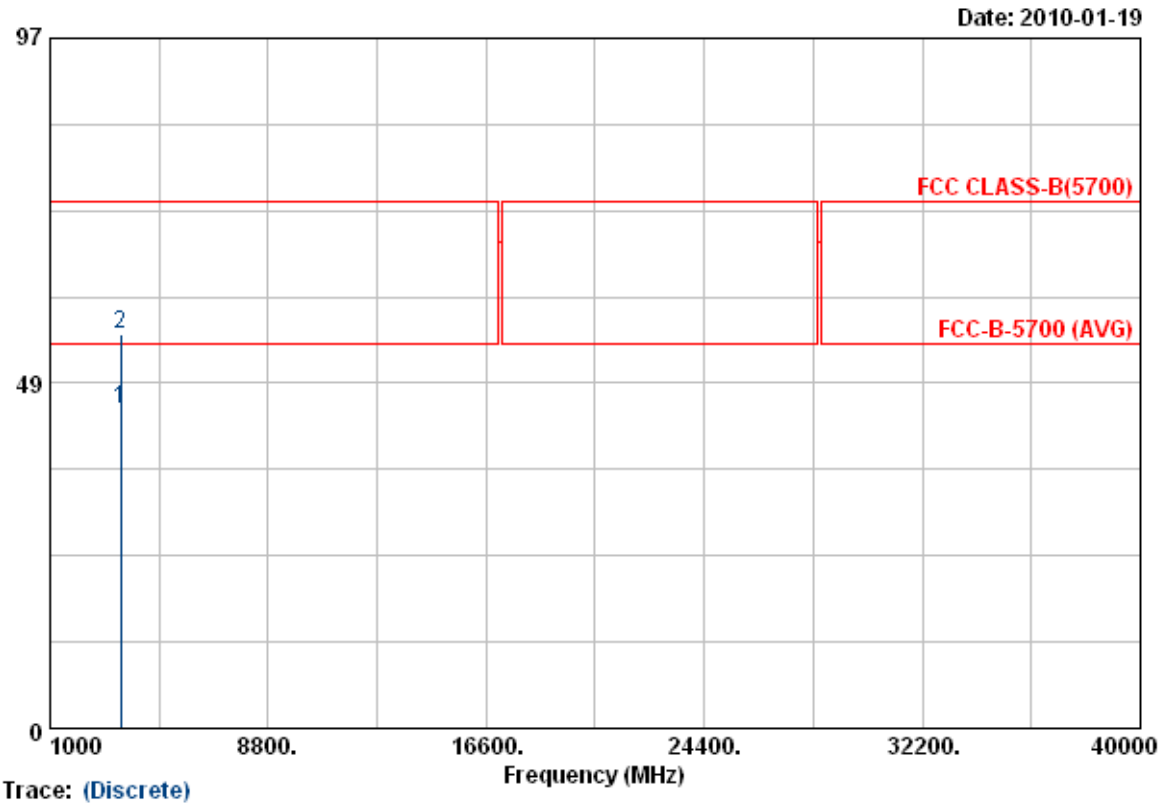
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.55	3.83	44.38	54.00	-9.62	Average	100	0
2	3520.00	50.25	3.83	54.08	74.00	-19.92	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT20, CH140	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



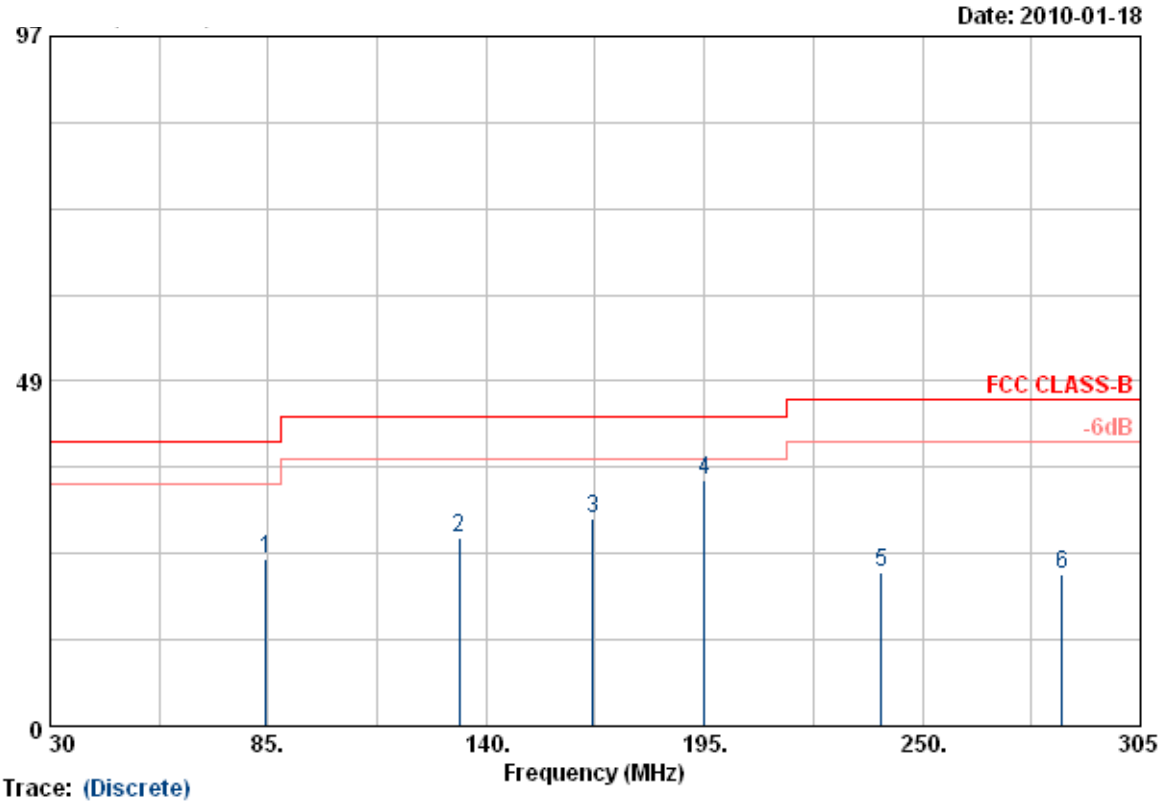
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.53	4.35	44.88	54.00	-9.12	Average	100	0
2	3521.00	50.93	4.35	55.28	74.00	-18.72	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



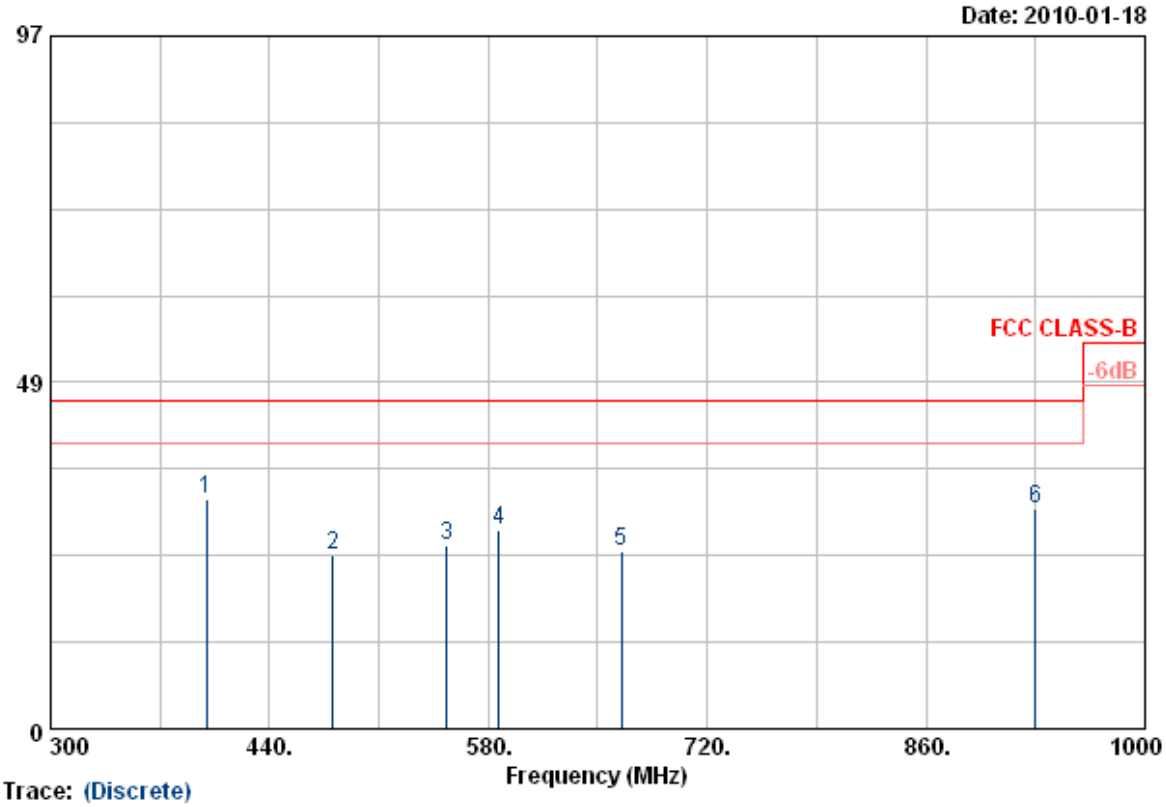
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	84.45	37.19	-13.74	23.45	40.00	-16.55	Peak	100	0
2	133.13	36.06	-9.47	26.59	43.50	-16.91	Peak	100	0
3	166.95	41.35	-12.12	29.23	43.50	-14.27	Peak	100	0
4	195.00	45.00	-10.35	34.65	43.50	-8.85	Peak	100	0
5	239.55	34.19	-12.55	21.64	46.00	-24.36	Peak	100	0
6	285.20	34.09	-12.85	21.24	46.00	-24.76	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



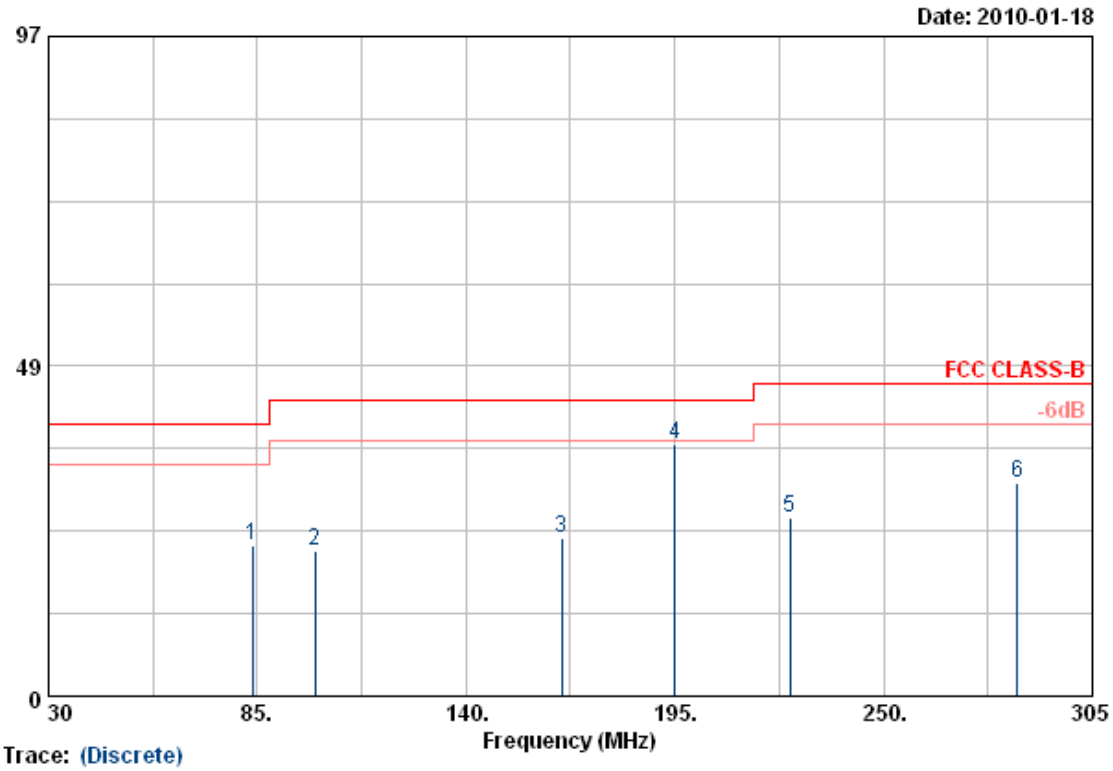
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	399.40	39.18	-6.97	32.21	46.00	-13.79	Peak	150	0
2	480.60	32.46	-8.15	24.31	46.00	-21.69	Peak	150	0
3	553.40	29.08	-3.38	25.70	46.00	-20.30	Peak	150	0
4	587.00	32.63	-4.86	27.77	46.00	-18.23	Peak	150	0
5	665.40	29.16	-4.22	24.94	46.00	-21.06	Peak	150	0
6	930.00	25.68	4.99	30.67	46.00	-15.33	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	25 °C
Memo	:	EUT with PC	Humidity	:	65 %



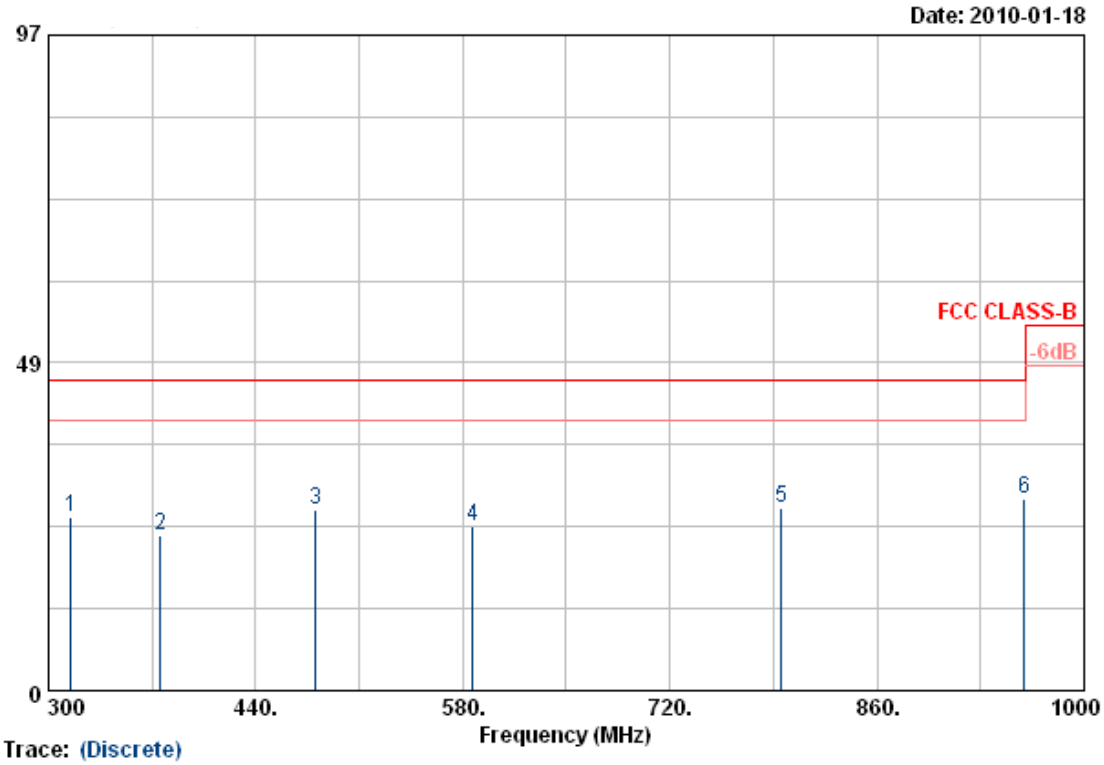
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	83.63	43.11	-21.09	22.02	40.00	-17.98	Peak	100	0
2	100.13	40.21	-18.77	21.44	43.50	-22.06	Peak	100	0
3	165.30	40.17	-17.02	23.15	43.50	-20.35	Peak	100	0
4	195.00	54.97	-18.03	36.94	43.50	-6.56	Peak	100	0
5	225.25	41.38	-15.23	26.15	46.00	-19.85	Peak	100	0
6	285.20	44.67	-13.29	31.38	46.00	-14.62	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	25 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



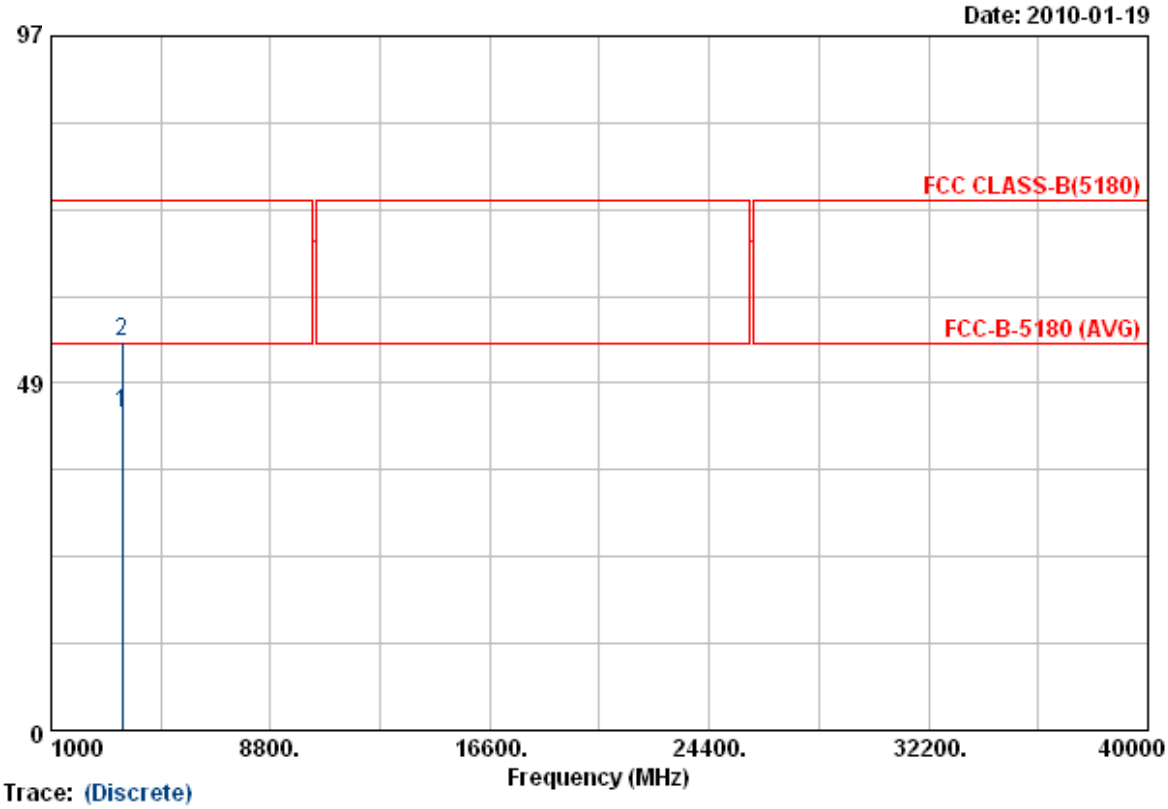
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	315.40	37.91	-12.14	25.77	46.00	-20.23	Peak	150	0
2	375.60	34.58	-11.68	22.90	46.00	-23.10	Peak	150	0
3	480.60	31.97	-5.17	26.80	46.00	-19.20	Peak	150	0
4	587.00	26.42	-2.05	24.37	46.00	-21.63	Peak	150	0
5	795.60	27.40	-0.49	26.91	46.00	-19.09	Peak	150	0
6	959.40	27.09	1.28	28.37	46.00	-17.63	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences,all spurious emission of 802.11a/an mode at Band1~4 channel are almost the same below 1GHz,so that the channel 36 or 38(for HT40),channel 149 or 151(for HT40) was chosen as representative in final test.
5. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



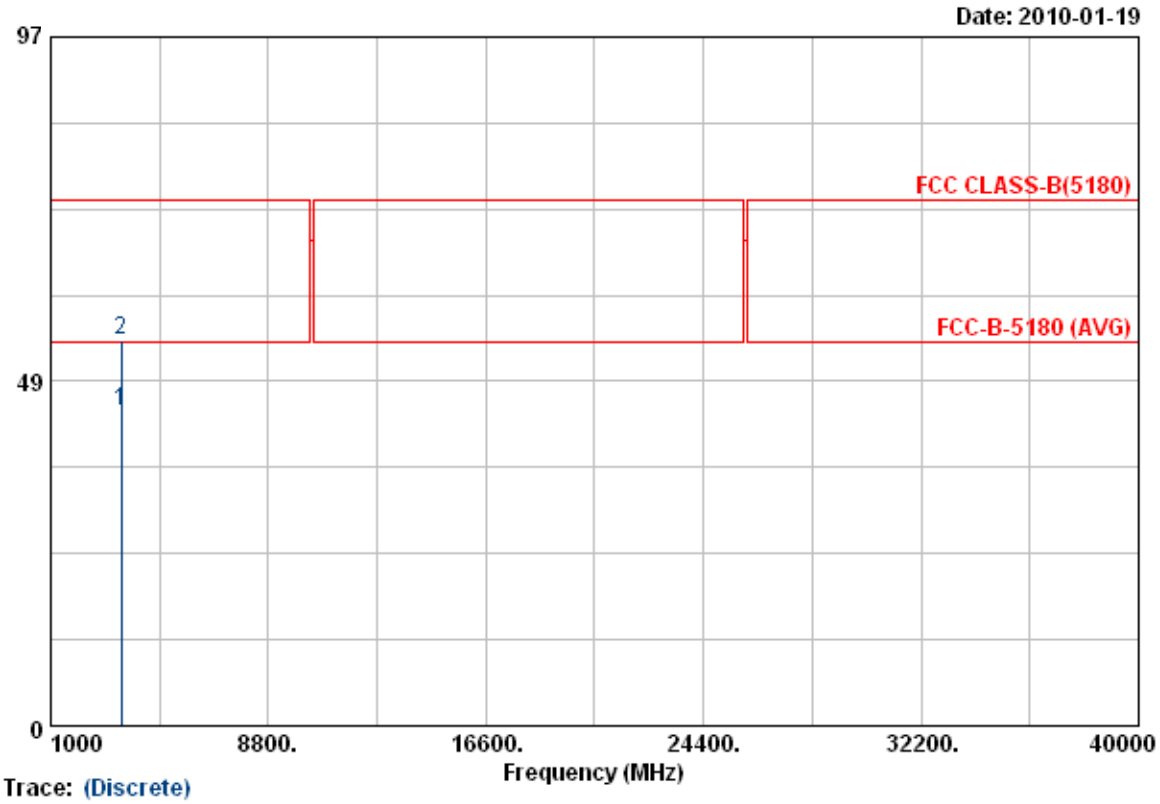
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.41	3.83	44.24	54.00	-9.76	Average	100	150
2	3520.00	50.41	3.83	54.24	74.00	-19.76	Peak	100	150

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH38	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



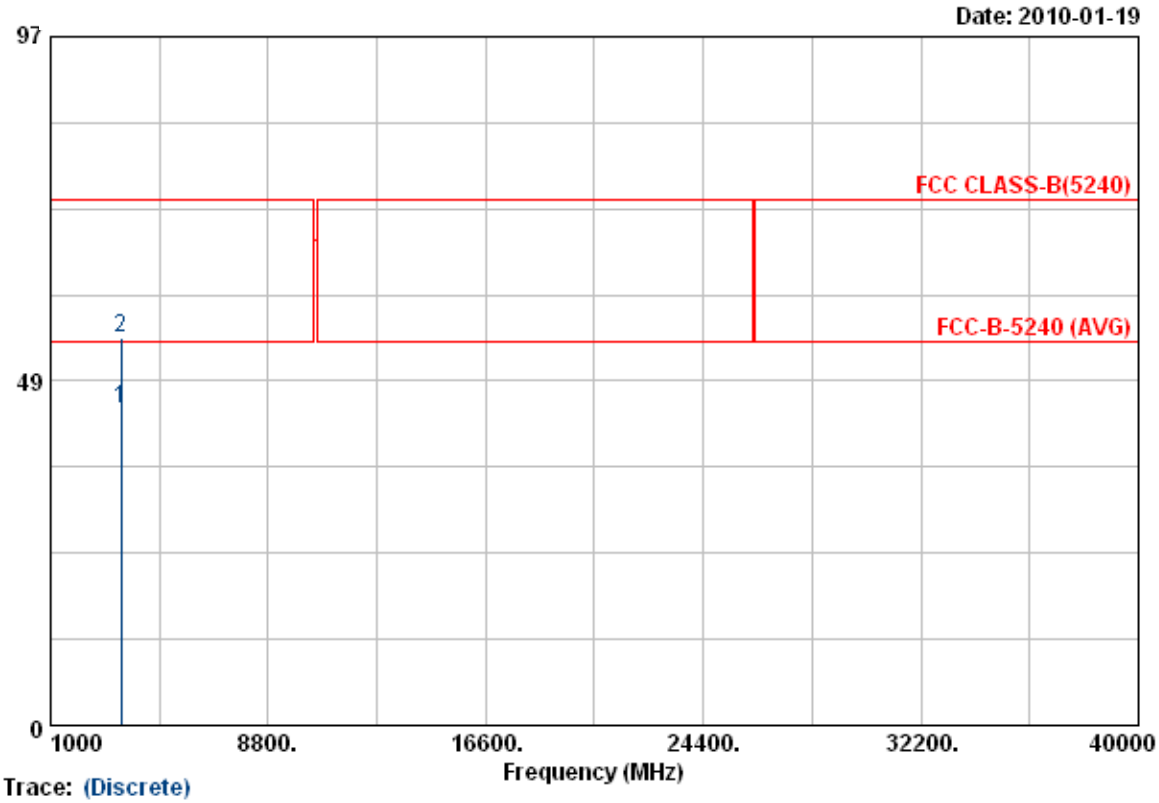
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.08	4.35	44.43	54.00	-9.57	Average	100	206
2	3521.00	50.08	4.35	54.43	74.00	-19.57	Peak	100	206

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH46	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



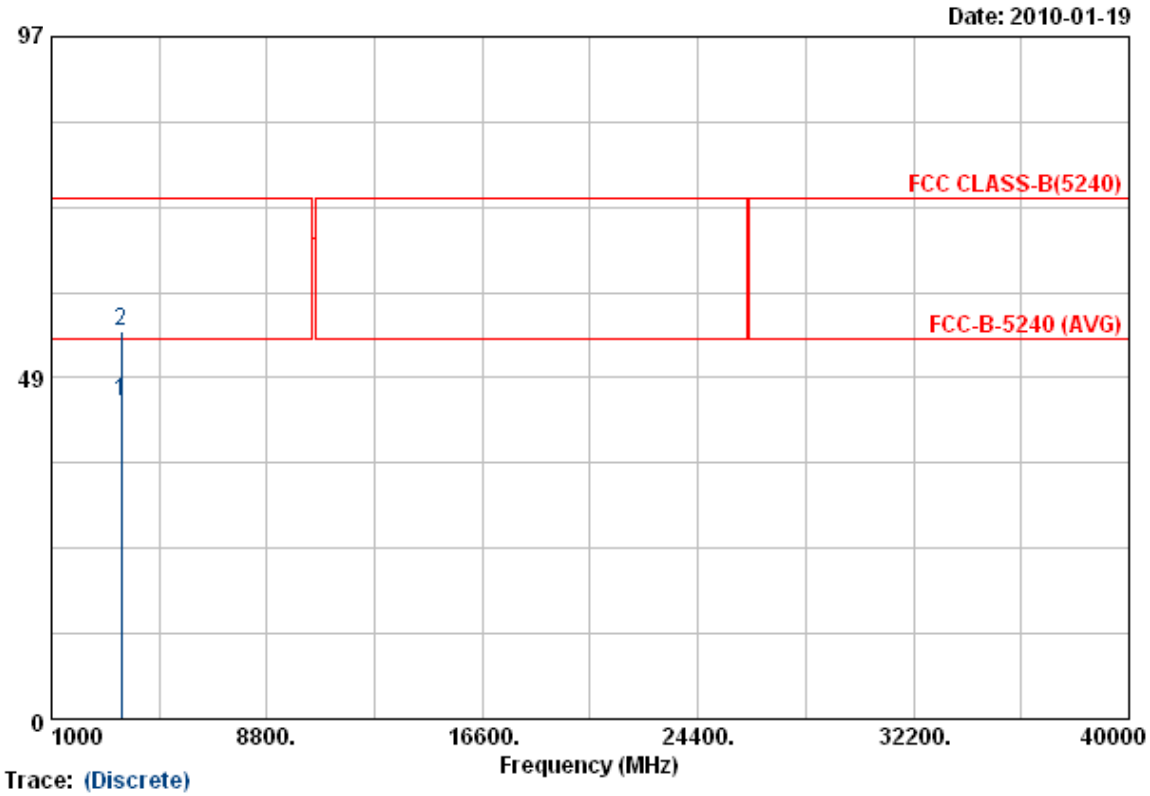
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.75	3.83	44.58	54.00	-9.42	Average	100	133
2	3520.00	50.75	3.83	54.58	74.00	-19.42	Peak	100	133

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH46	Temperature	:	22 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



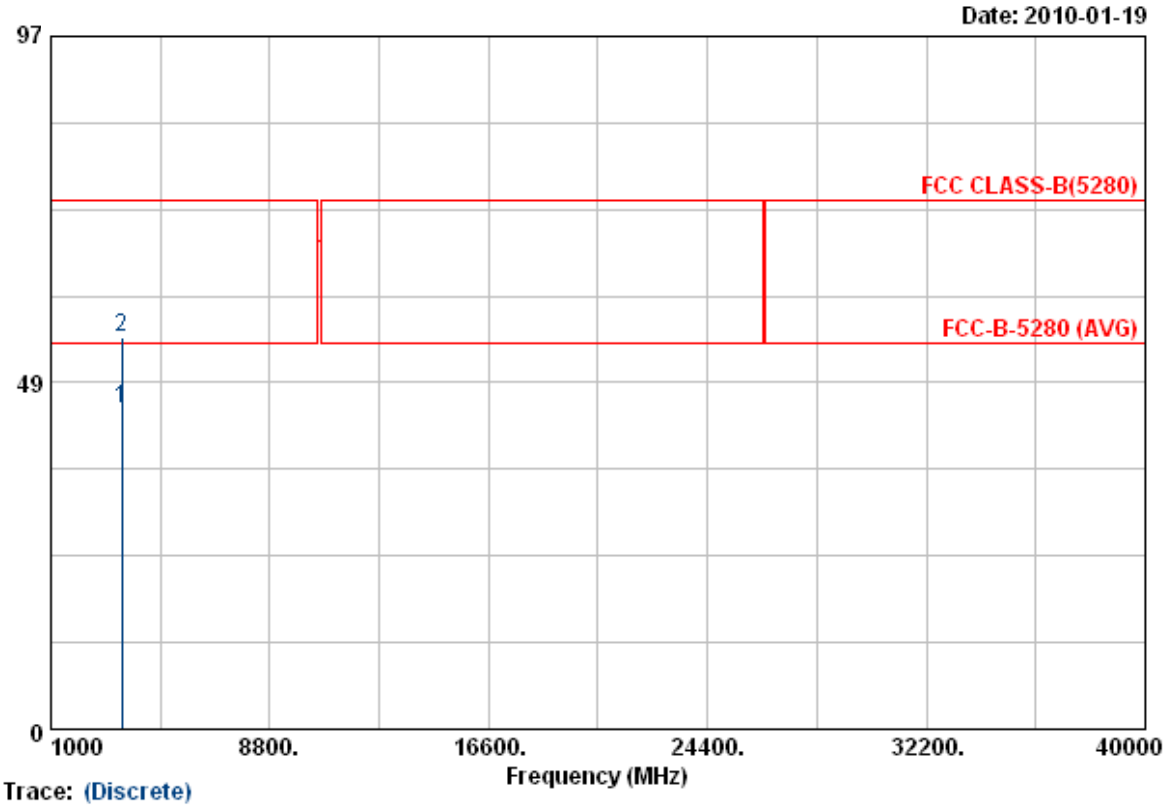
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.88	4.35	45.23	54.00	-8.77	Average	100	118
2	3521.00	50.88	4.35	55.23	74.00	-18.77	Peak	100	118

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH54	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



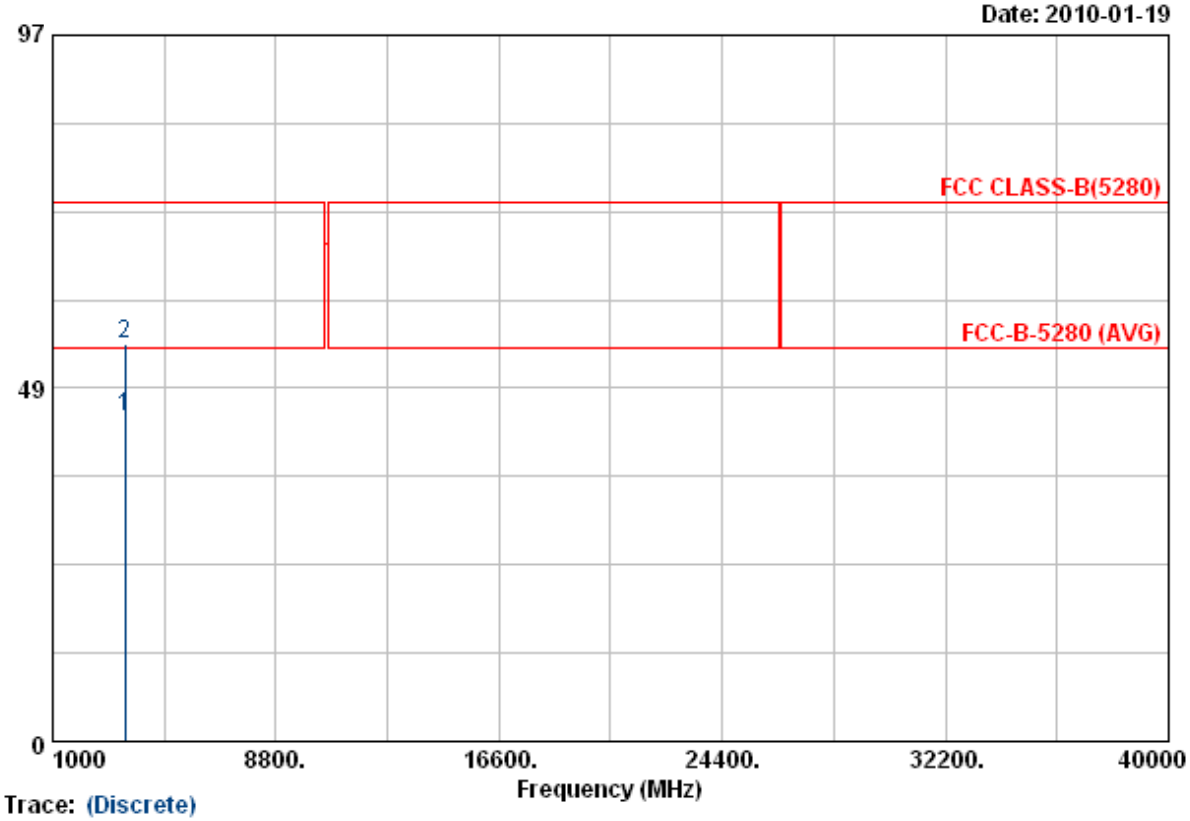
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.98	3.83	44.81	54.00	-9.19	Average	100	0
2	3520.00	50.98	3.83	54.81	74.00	-19.19	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH54	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



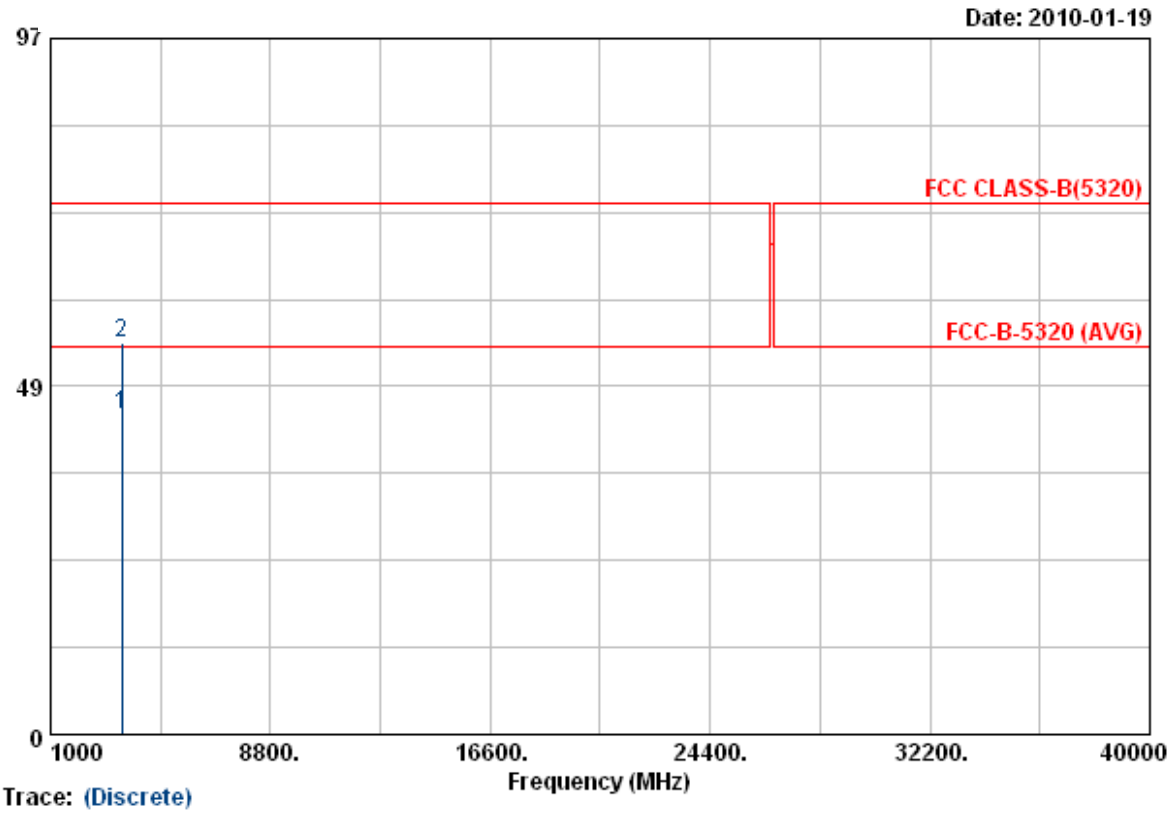
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.14	4.35	44.49	54.00	-9.51	Average	100	0
2	3521.00	50.14	4.35	54.49	74.00	-19.51	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH62	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



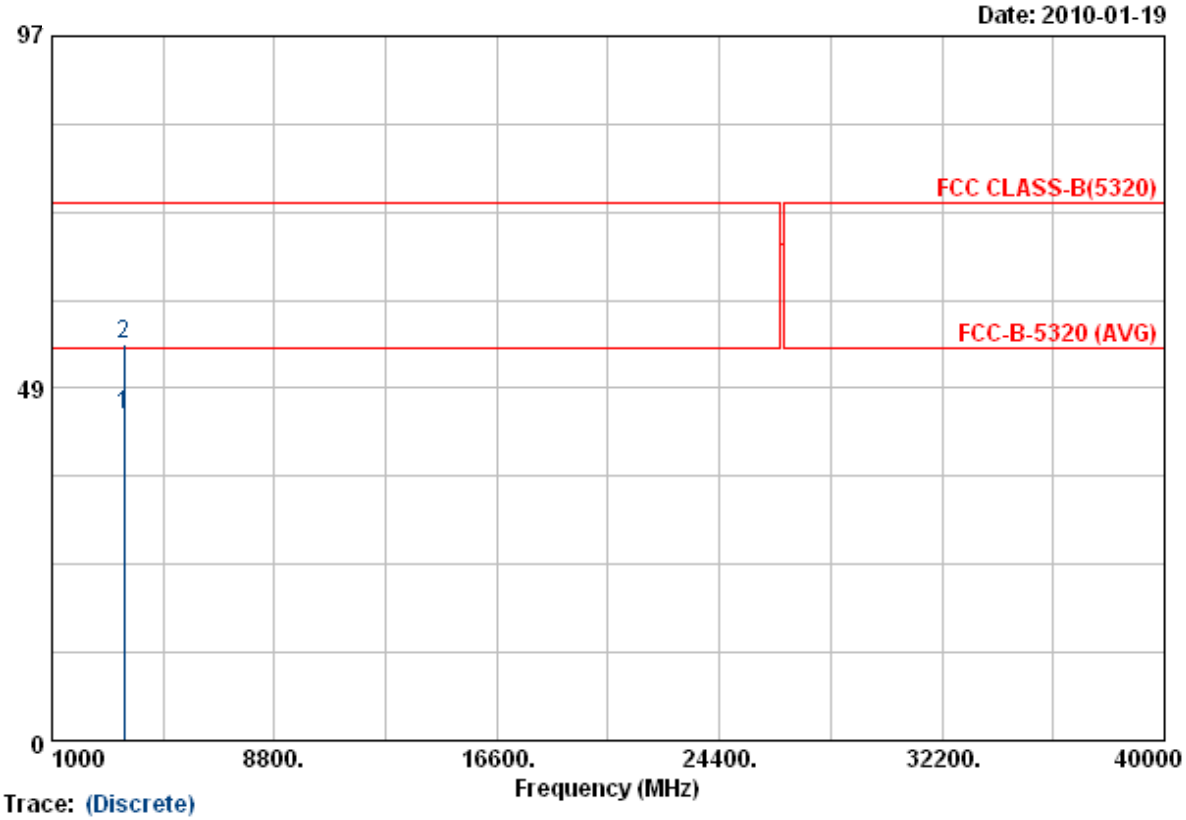
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.87	3.83	44.70	54.00	-9.30	Average	150	0
2	3520.00	50.66	3.83	54.49	74.00	-19.51	Peak	150	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH62	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



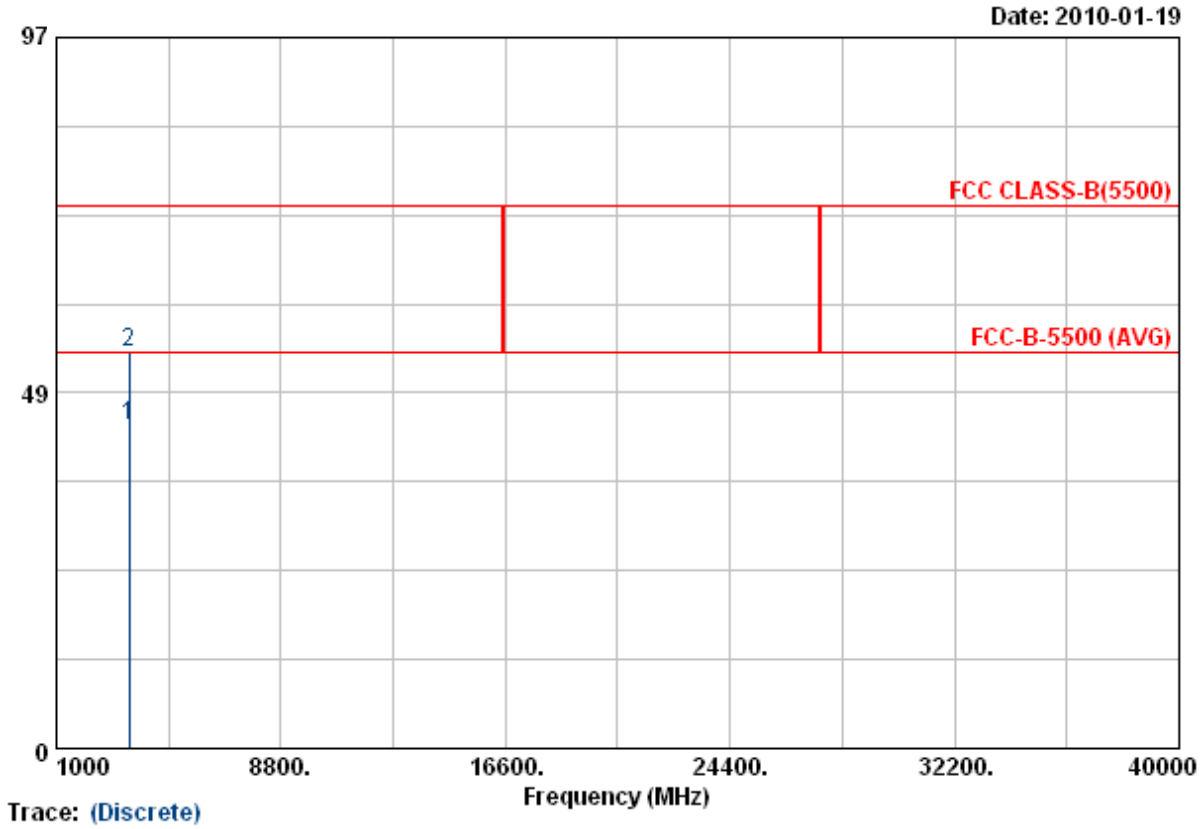
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.42	4.35	44.77	54.00	-9.23	Average	100	0
2	3521.00	50.19	4.35	54.54	74.00	-19.46	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH102	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



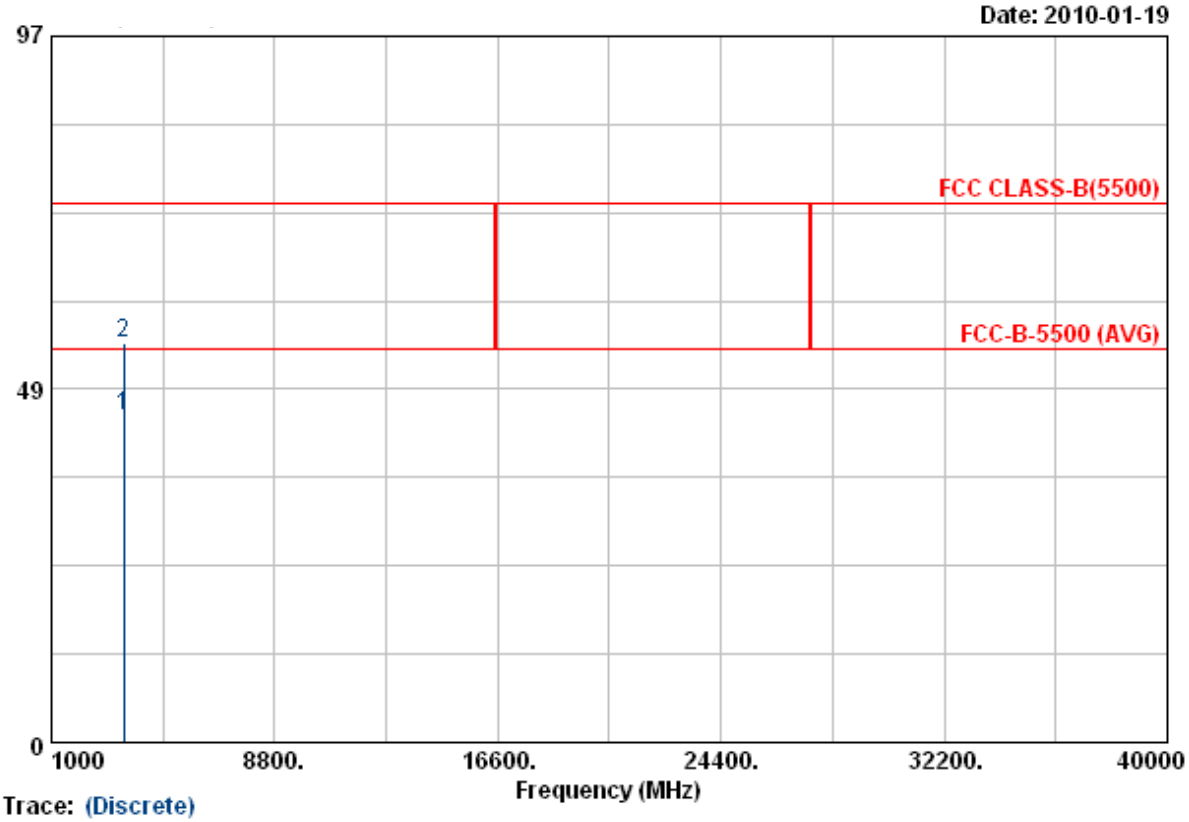
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.08	3.83	43.91	54.00	-10.09	Average	100	360
2	3520.00	50.16	3.83	53.99	74.00	-20.01	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH102	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



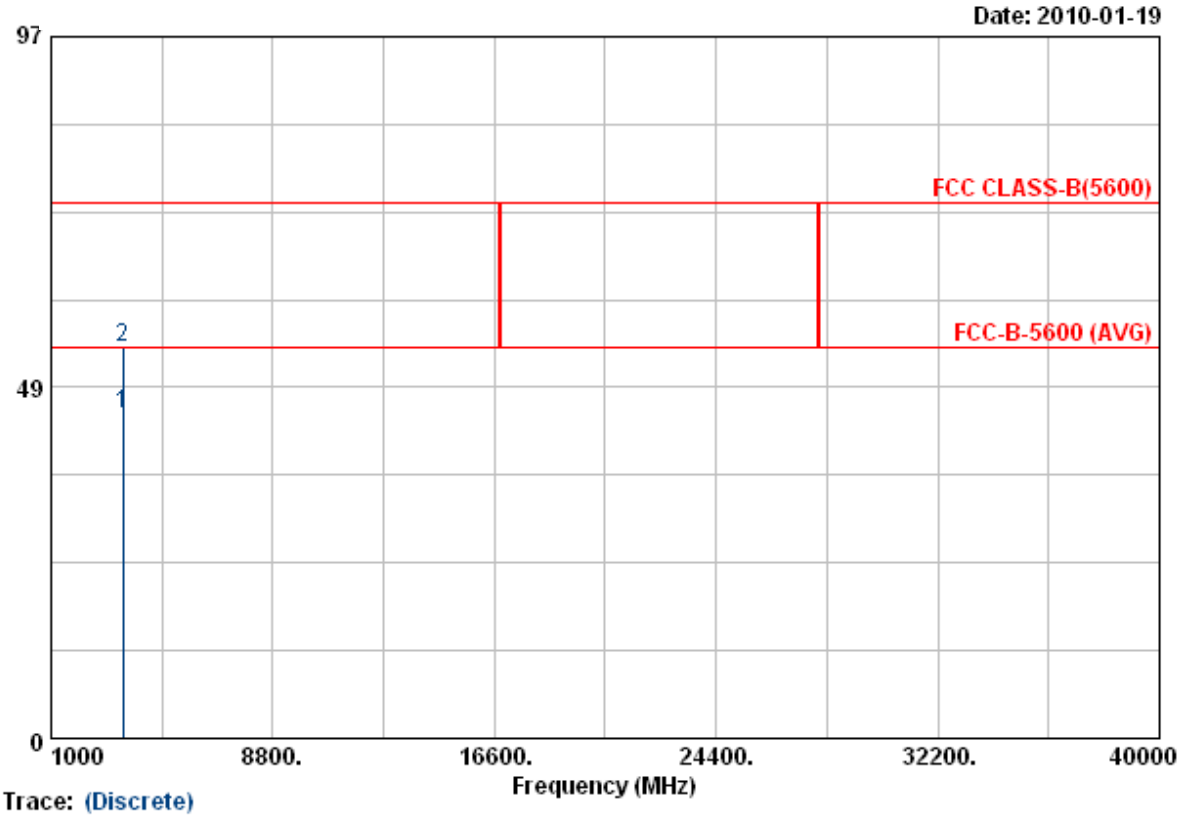
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.60	4.35	44.95	54.00	-9.05	Average	100	360
2	3521.00	50.54	4.35	54.89	74.00	-19.11	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH118	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



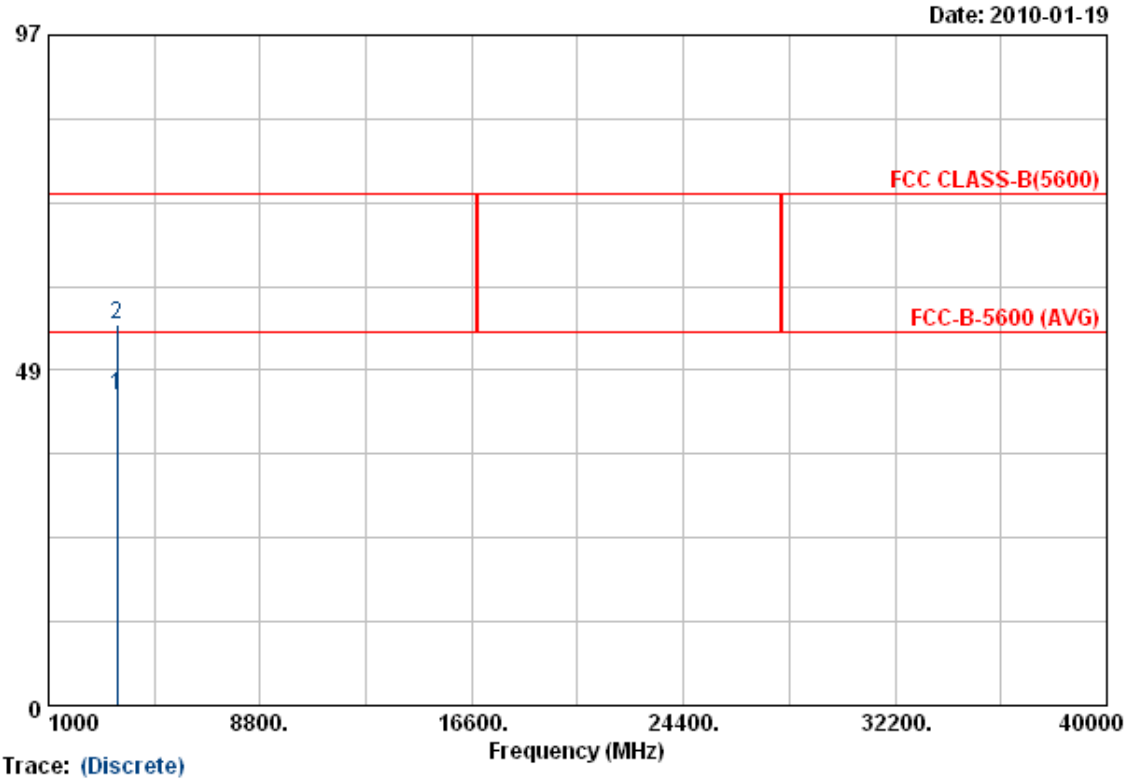
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.96	3.83	44.79	54.00	-9.21	Average	100	360
2	3520.00	50.21	3.83	54.04	74.00	-19.96	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH118	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



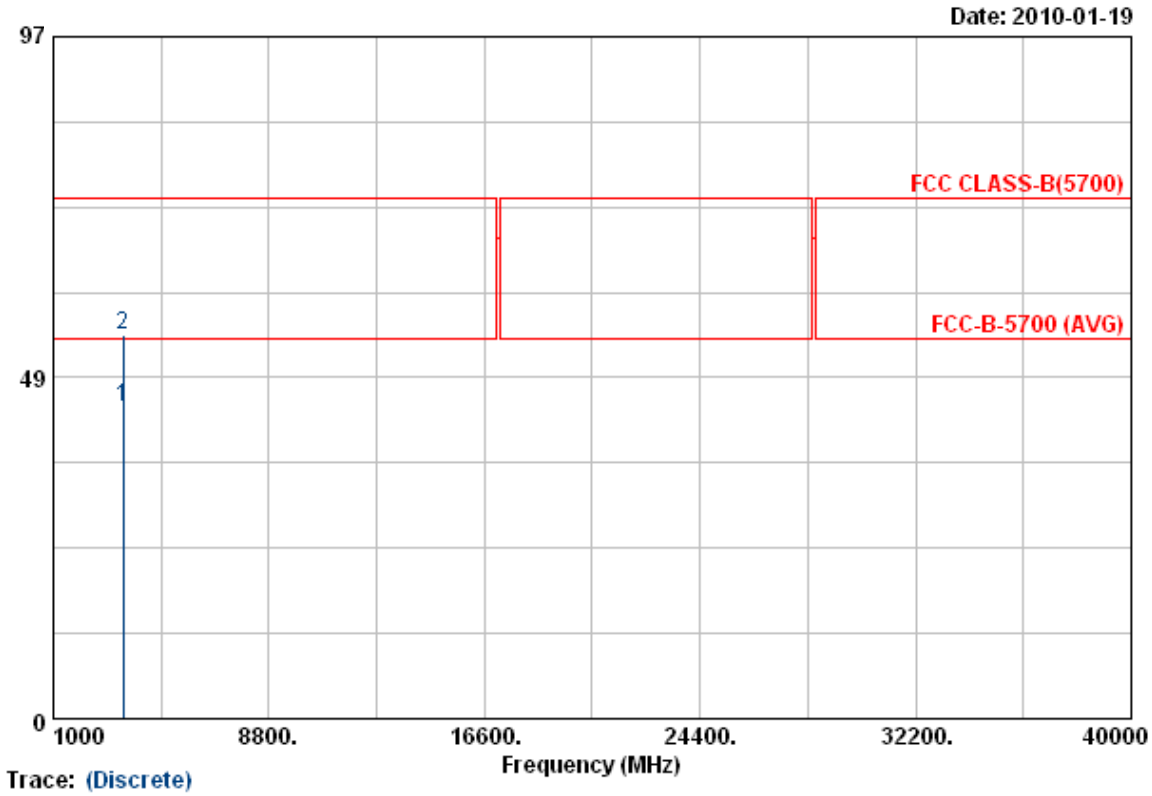
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.40	4.35	44.75	54.00	-9.25	Average	100	360
2	3521.00	50.81	4.35	55.16	74.00	-18.84	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	VERTICAL
Test Mode	:	802.11an HT40, CH134	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



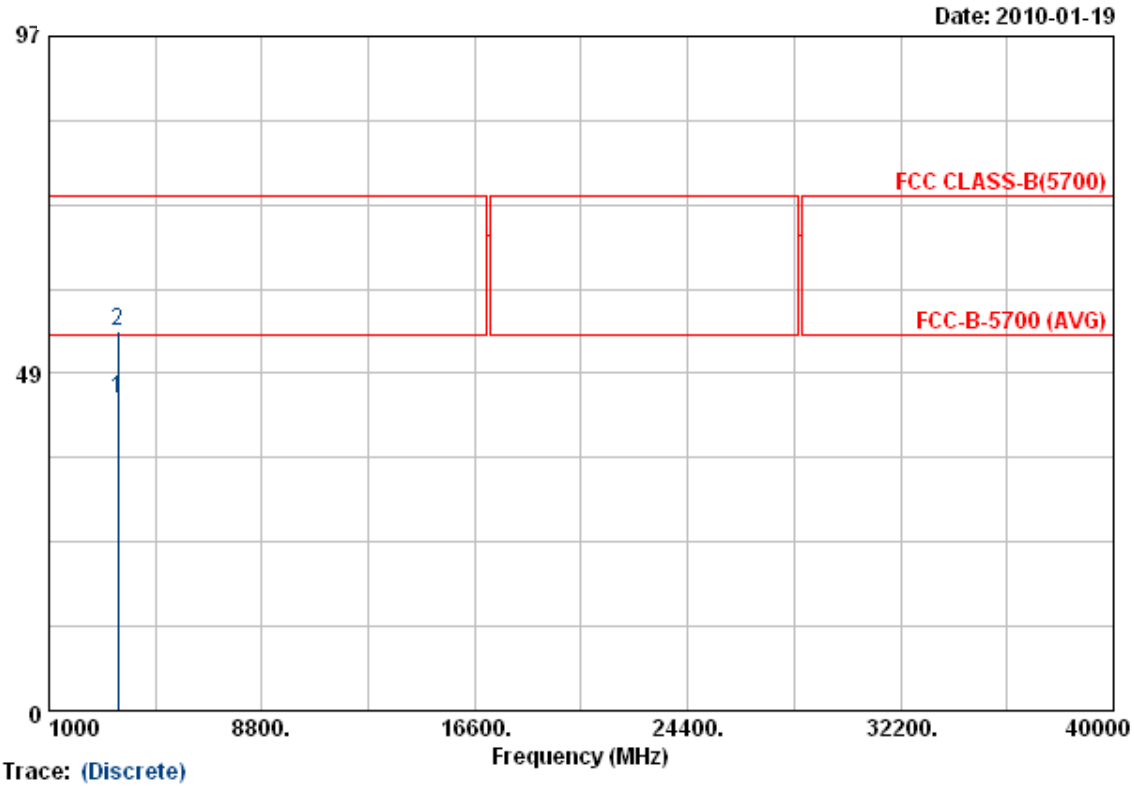
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3520.00	40.48	3.83	44.31	54.00	-9.69	Average	100	360
2	3520.00	50.83	3.83	54.66	74.00	-19.34	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Power	:	AC 120V	Pol/Phase	:	HORIZONTAL
Test Mode	:	802.11an HT40, CH134	Temperature	:	23 °C
Memo	:	EUT with USB cable	Humidity	:	65 %



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	3521.00	40.55	4.35	44.90	54.00	-9.10	Average	100	360
2	3521.00	50.17	4.35	54.52	74.00	-19.48	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.
7. The data is worse case.

Test engineer: Ben

5.5. Photographs of Radiated Emission Test

Front View

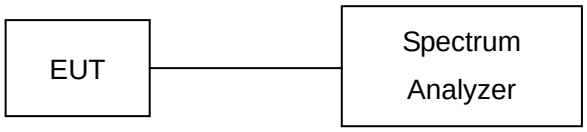
Rear View

6. Peak Transmit Power

6.1. Test Procedure

The antenna port (RF output) of the EUT was connected to the input (RF input) of a spectrum analyzer. Power was read directly from the spectrum analyzer and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

6.2. Test Setup Layout



6.3. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20

6.4. Test Result and Data

Test Date: Mar. 10, 2009 Temperature: 25℃
Atmospheric pressure: 1024 hPa Humidity: 48%

Modulation Standard: IEEE 802.11a (6Mbps)

Channel	Frequency (MHz)	Peak Power Output (dBm)		Peak Power Output (mW)		26dB Occupied Bandwidth (MHz)	
		Ant R	Ant L	Ant R	Ant L	Ant R	Ant L
36	5180	12.48	12.77	17.70	18.90	20.91	21.07
44	5220	12.92	12.80	19.60	19.10	20.91	20.99
48	5240	12.25	12.63	16.80	18.30	20.91	21.07
56	5280	11.57	12.52	14.40	17.90	21.50	21.50
60	5300	11.73	11.05	14.90	12.70	21.50	21.50
64	5320	12.43	11.76	17.50	15.00	20.99	20.91
100	5500	12.07	11.74	16.10	14.90	20.91	21.07
120	5600	11.53	11.17	14.20	13.10	21.15	21.15
140	5700	11.57	12.02	14.40	15.90	20.91	21.40

Modulation Standard: IEEE 802.11an HT20 (130Mbps)

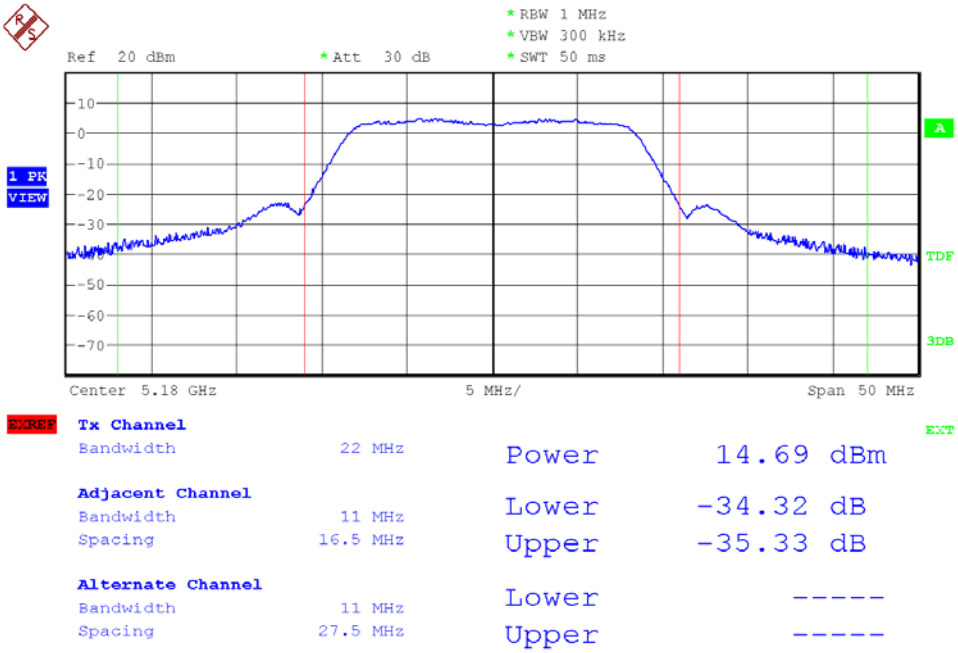
Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output (mW)	26dB Occupied Bandwidth (MHz)	
		Ant R	Ant L	Ant R+L	Ant R+L	Ant R	Ant L
36	5180	12.06	11.55	14.82	30.36	21.39	21.55
44	5220	12.30	12.35	15.34	34.16	21.55	21.55
48	5240	11.91	11.54	14.74	29.78	21.63	21.47
56	5280	11.75	11.80	14.79	30.10	22.00	22.10
60	5300	11.97	11.22	14.62	28.98	22.10	22.00
64	5320	11.61	12.01	14.82	30.37	21.55	21.39
100	5500	12.10	12.16	15.14	32.66	21.71	21.55
120	5600	12.07	11.47	14.79	30.13	21.71	21.47
140	5700	11.64	11.95	14.81	30.26	21.47	21.47

Modulation Standard: IEEE 802.11an HT40 (270Mbps)

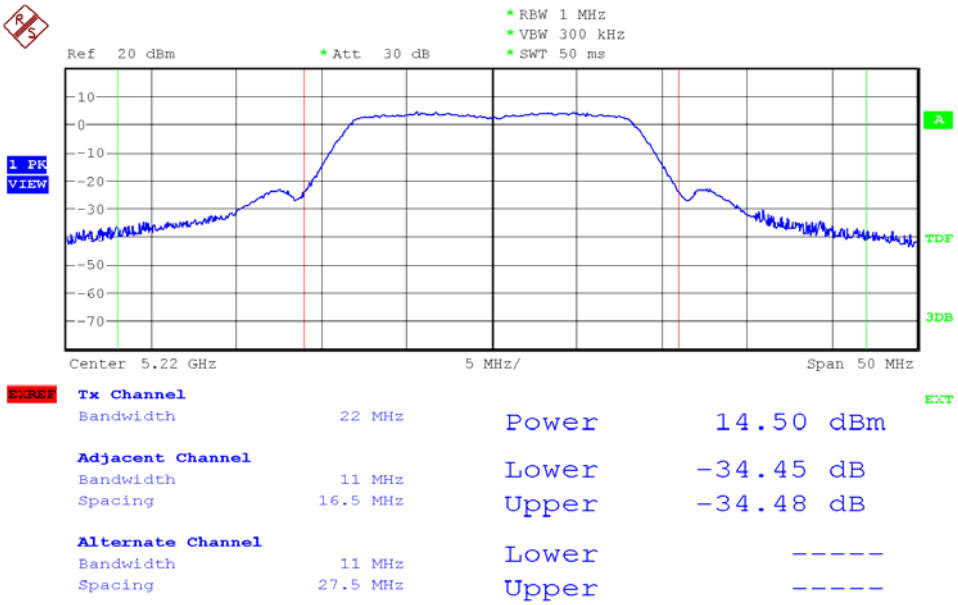
Channel	Frequency (MHz)	Peak Power Output (dBm)			Peak Power Output (mW)	26dB Occupied Bandwidth (MHz)	
		Ant R	Ant L	Ant R+L	Ant R+L	Ant R	Ant L
38	5190	12.49	11.56	15.06	32.06	39.58	39.74
46	5230	11.52	11.82	14.68	29.40	39.58	38.94
54	5270	11.65	11.42	14.55	28.49	39.90	38.78
62	5310	10.90	11.65	14.30	26.92	39.26	39.10
102	5510	12.07	12.35	15.22	33.29	39.10	39.90
118	5590	11.69	11.84	14.78	30.03	39.58	39.26
134	5670	12.04	11.58	14.83	30.38	39.42	39.90

Peak Transmit Power

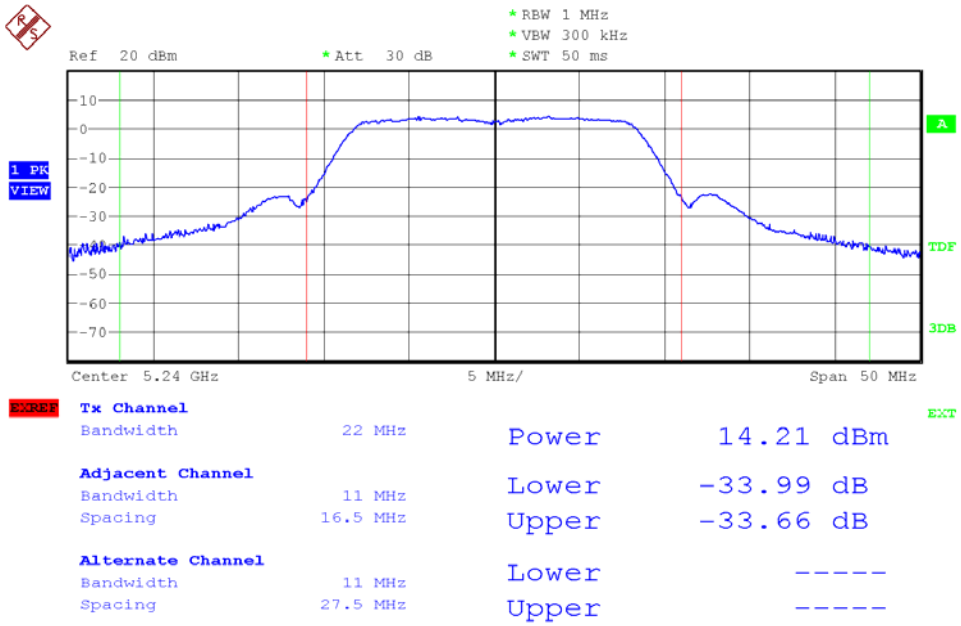
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 36



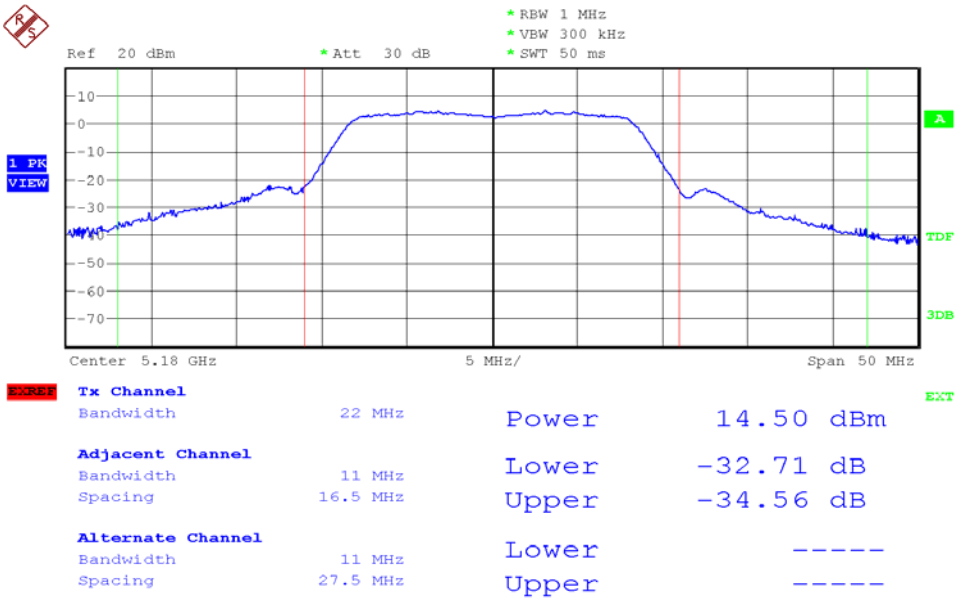
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 44



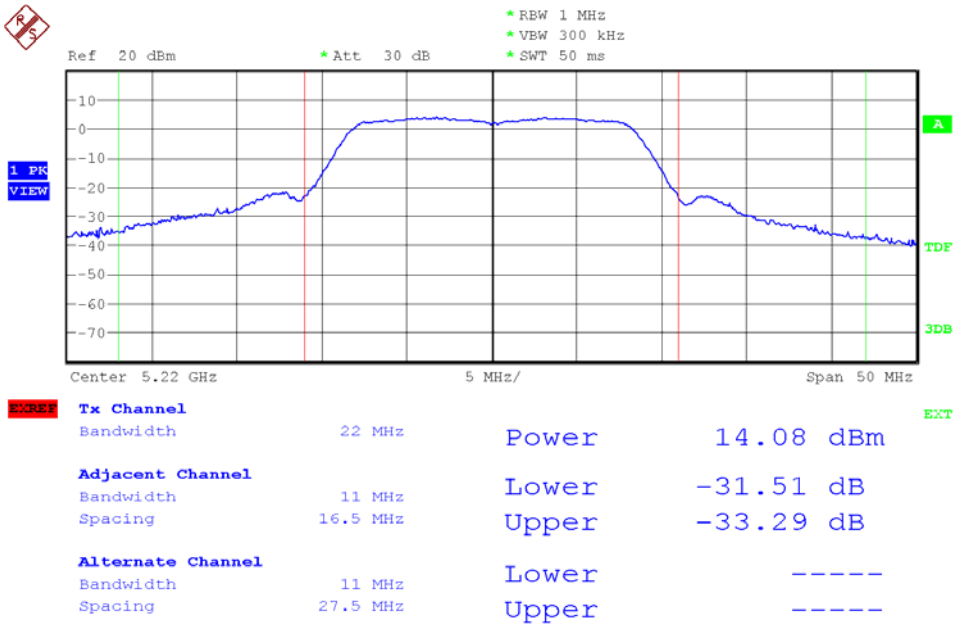
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 48



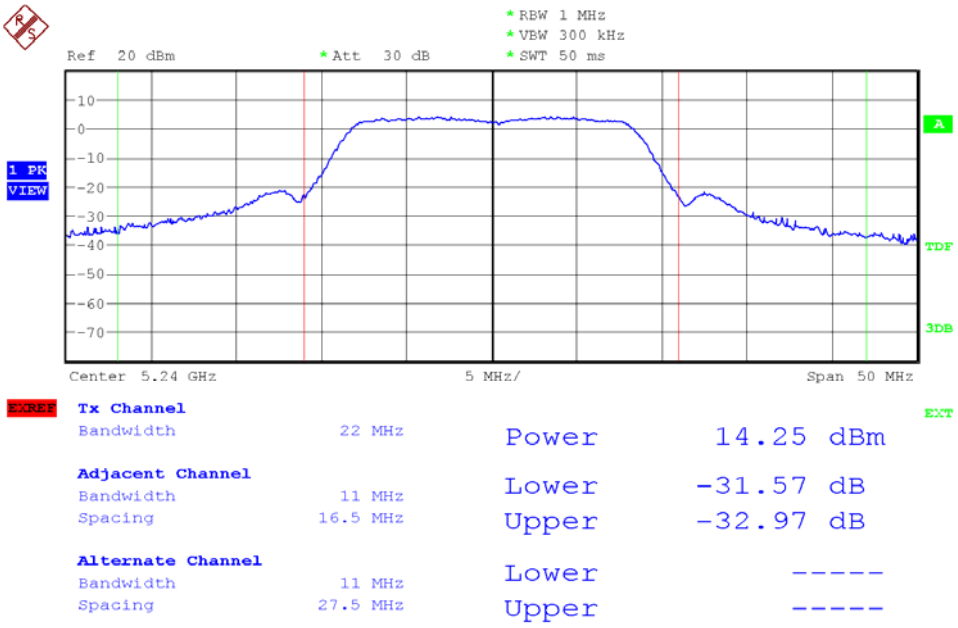
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 36



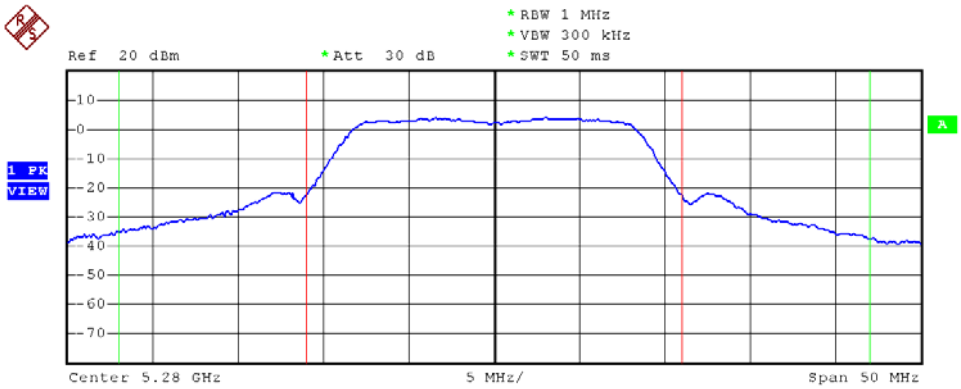
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 44



Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 48

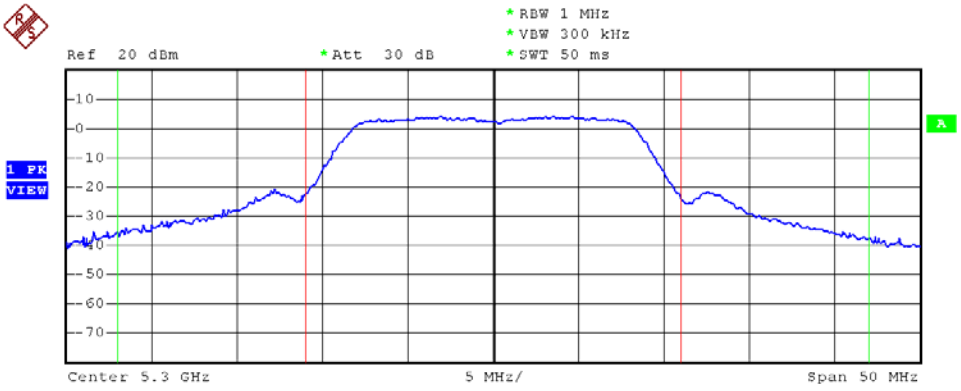


Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 56



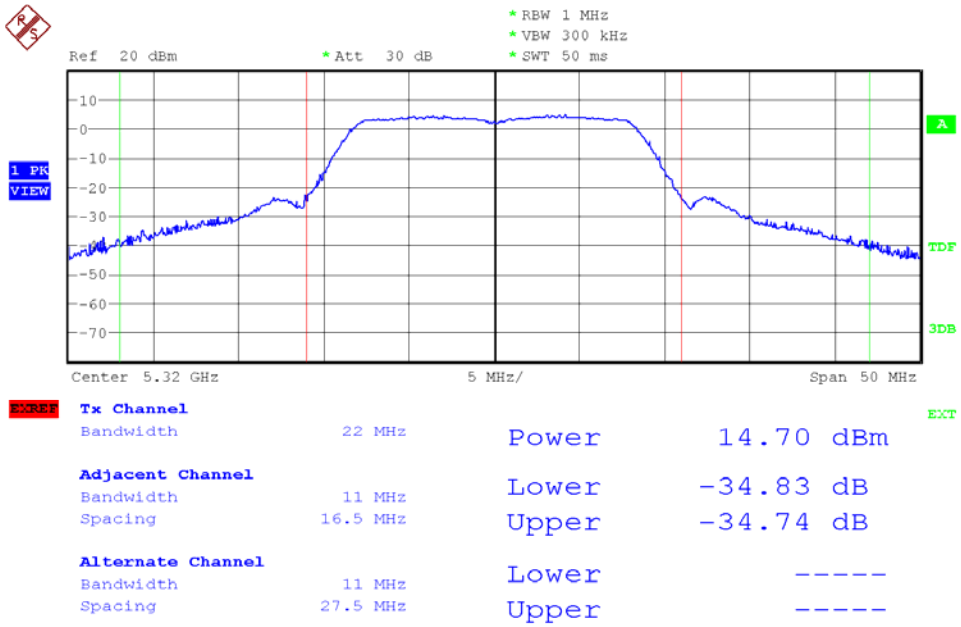
Tx Channel			
Bandwidth	22 MHz	Power	14.59 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-31.51 dB
Spacing	16.5 MHz	Upper	-32.45 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 60

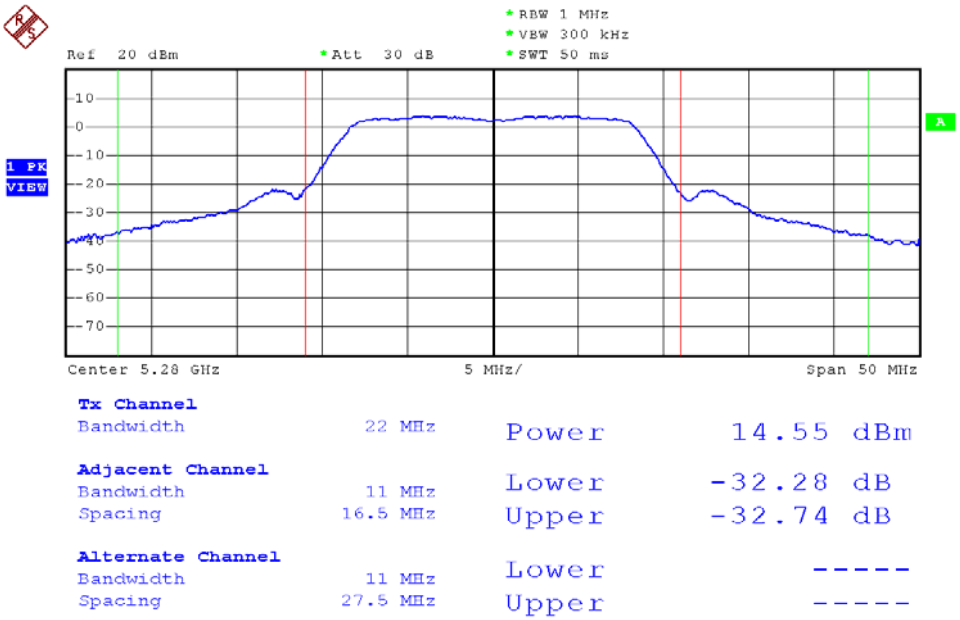


Tx Channel			
Bandwidth	22 MHz	Power	14.72 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-32.03 dB
Spacing	16.5 MHz	Upper	-32.70 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

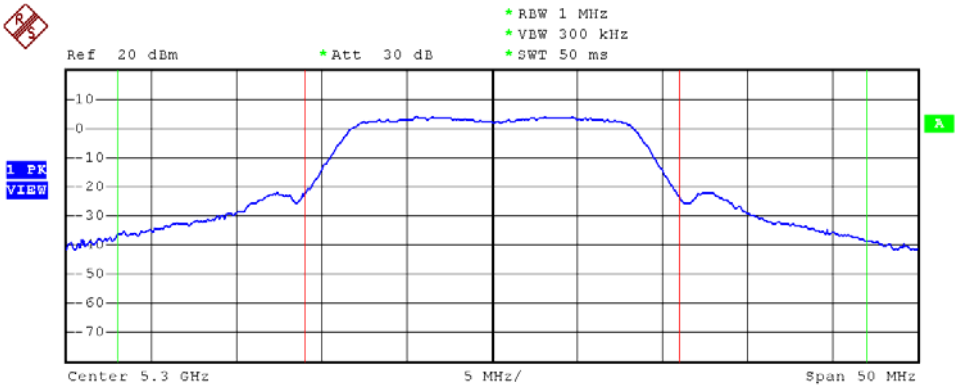
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 64



Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 56

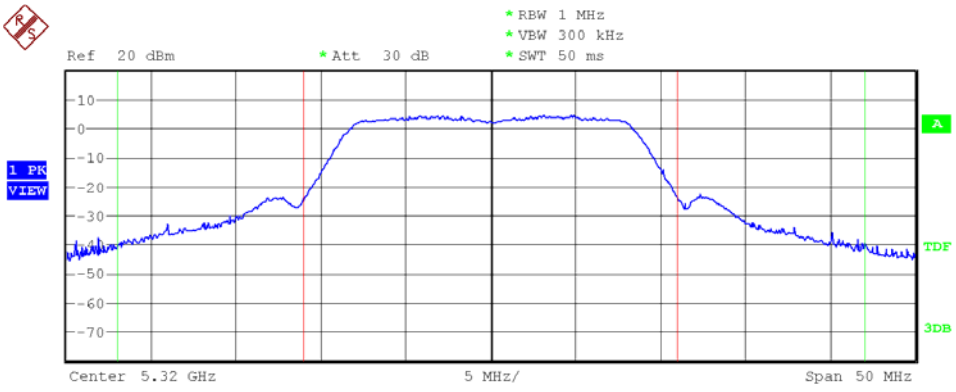


Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 60



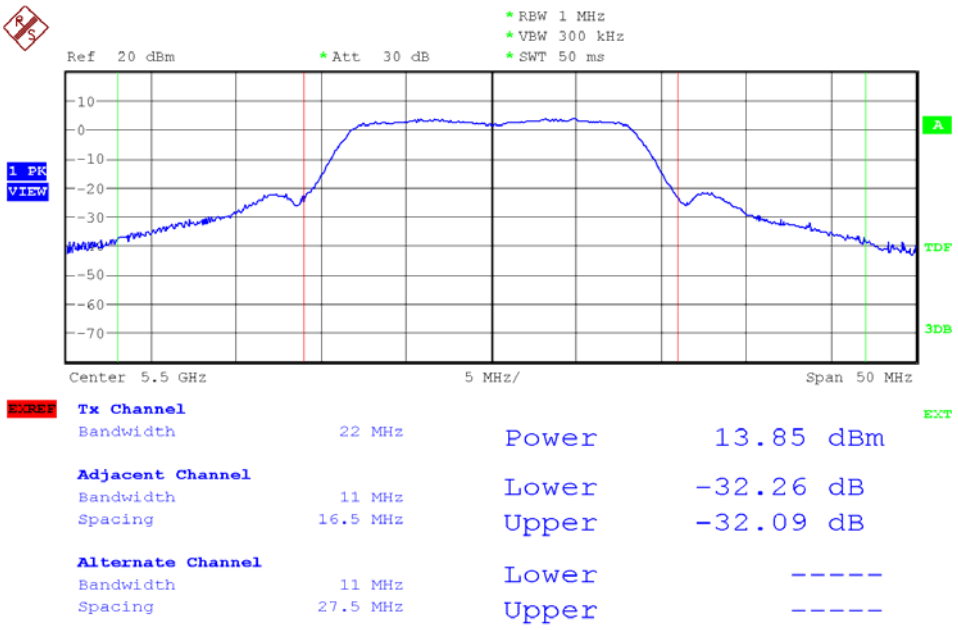
Tx Channel			
Bandwidth	22 MHz	Power	14.54 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-32.55 dB
Spacing	16.5 MHz	Upper	-32.66 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 64

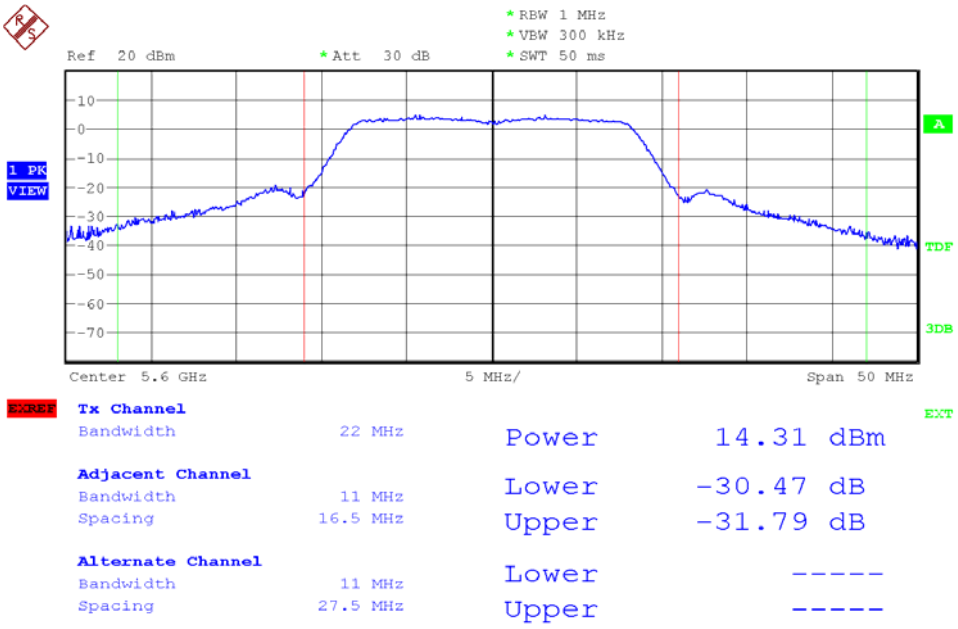


Tx Channel			
Bandwidth	22 MHz	Power	14.52 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-34.81 dB
Spacing	16.5 MHz	Upper	-34.82 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

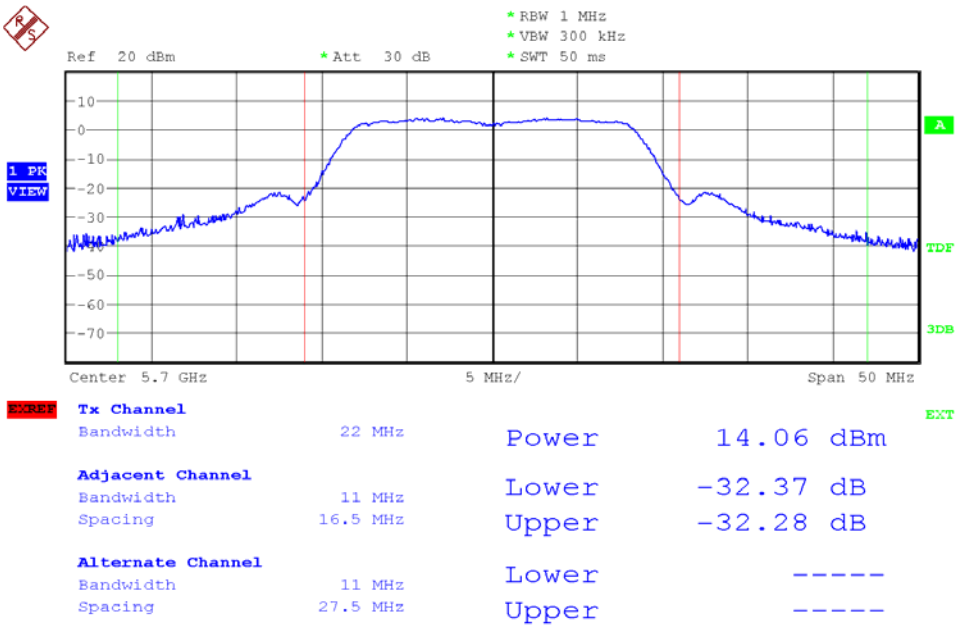
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 100



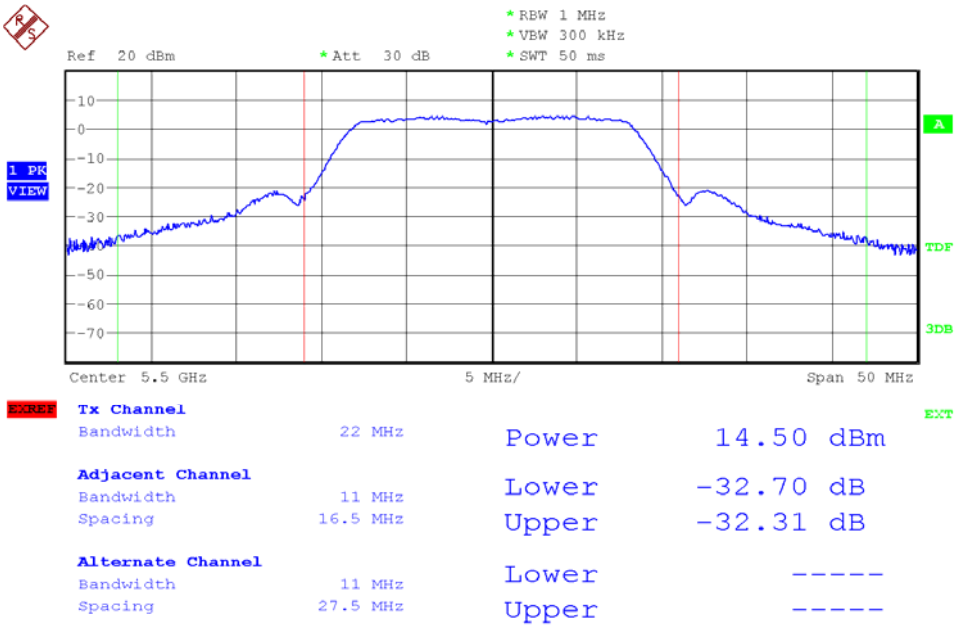
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 120



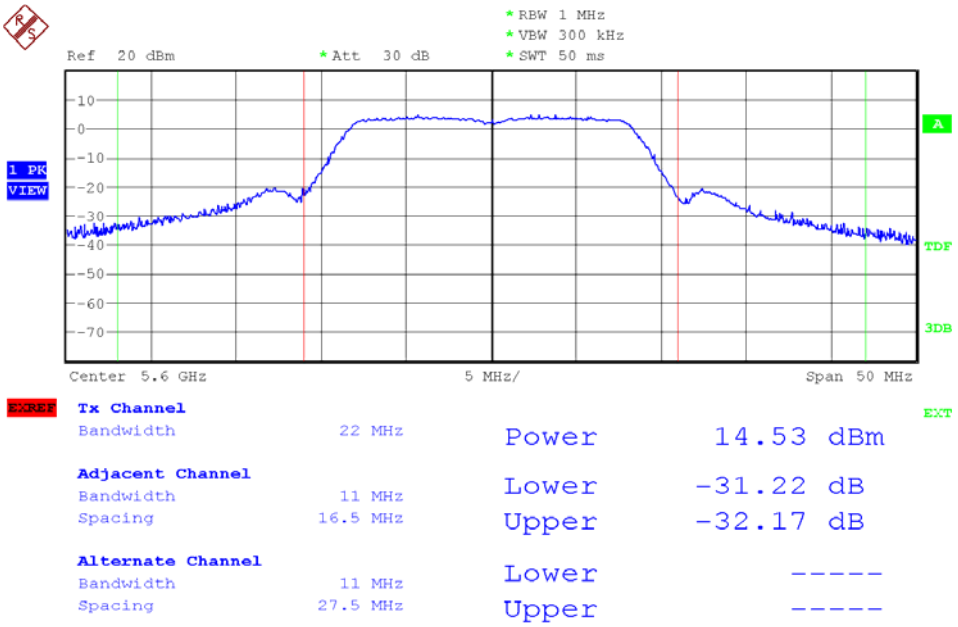
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 140



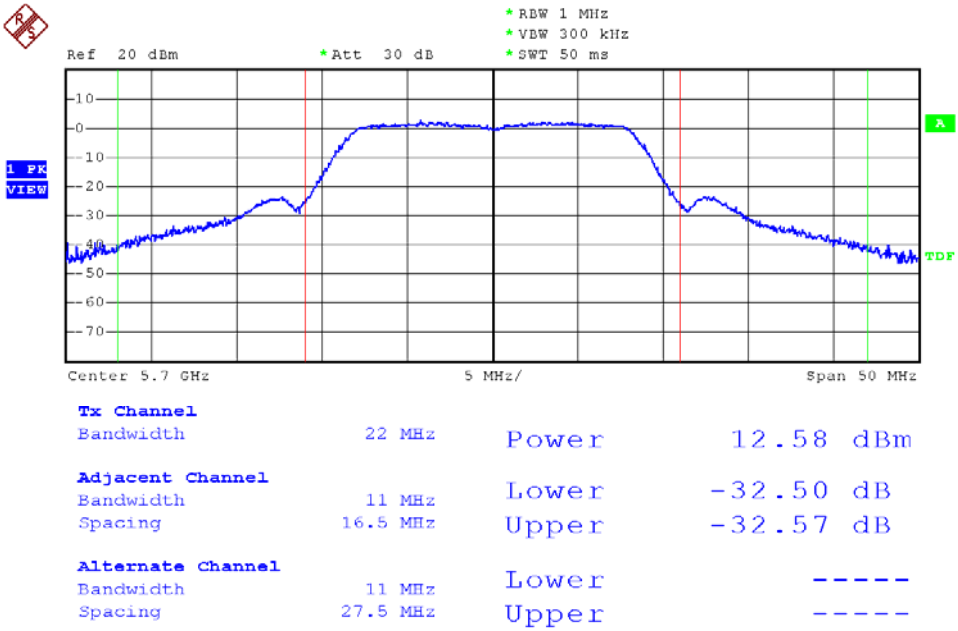
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 100



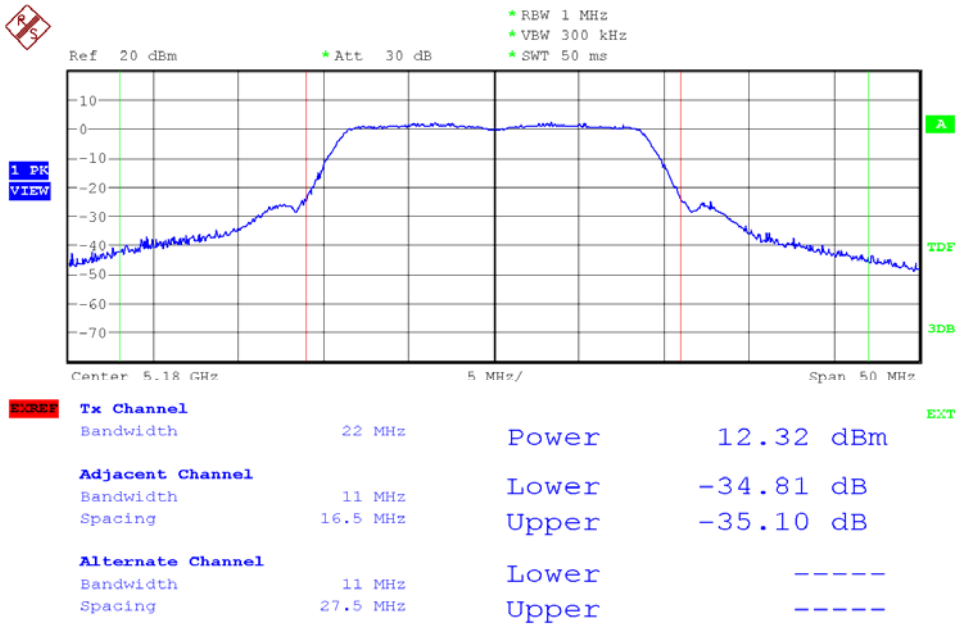
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 120



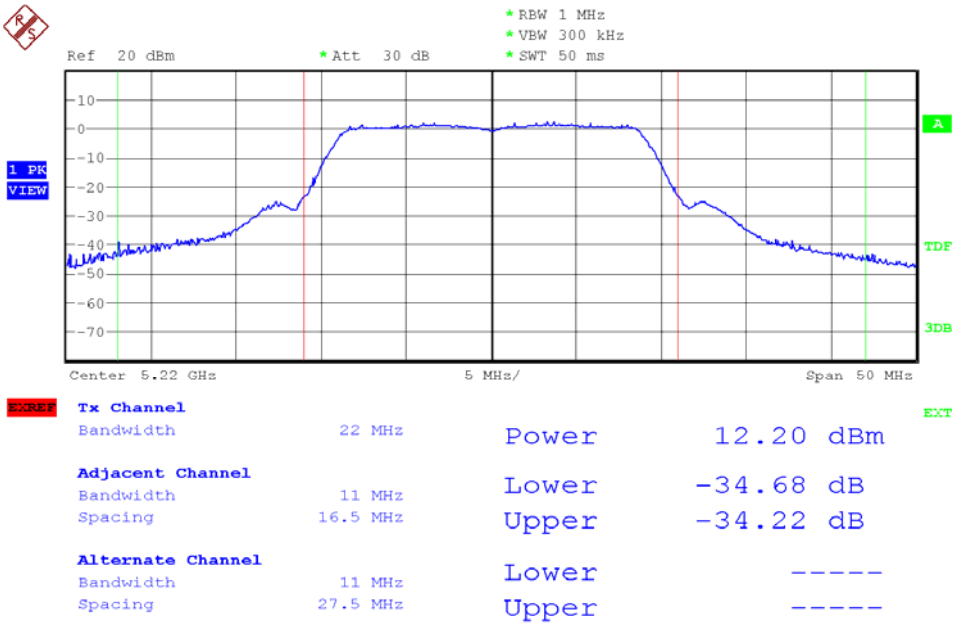
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 140



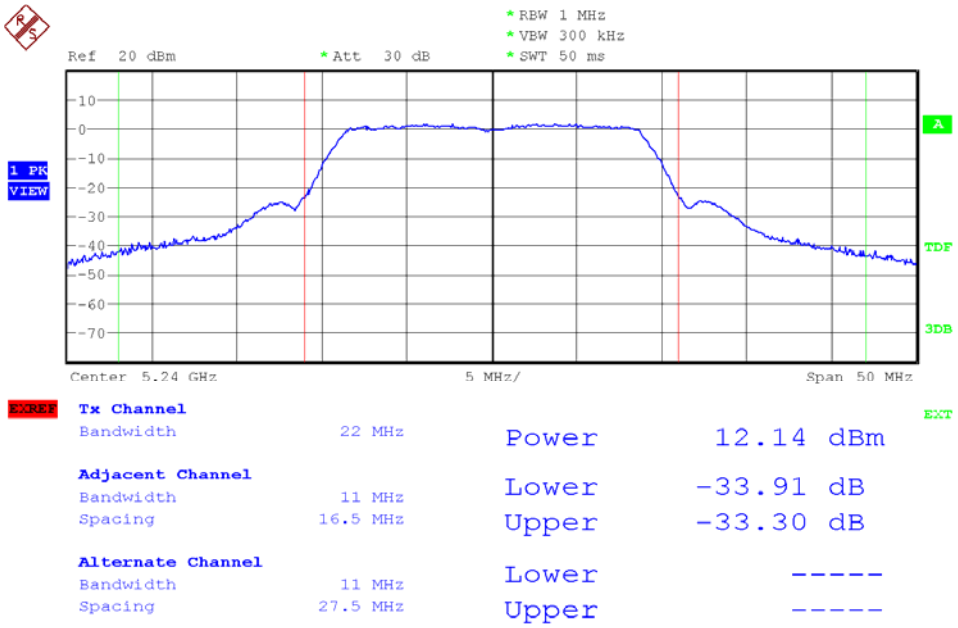
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 36



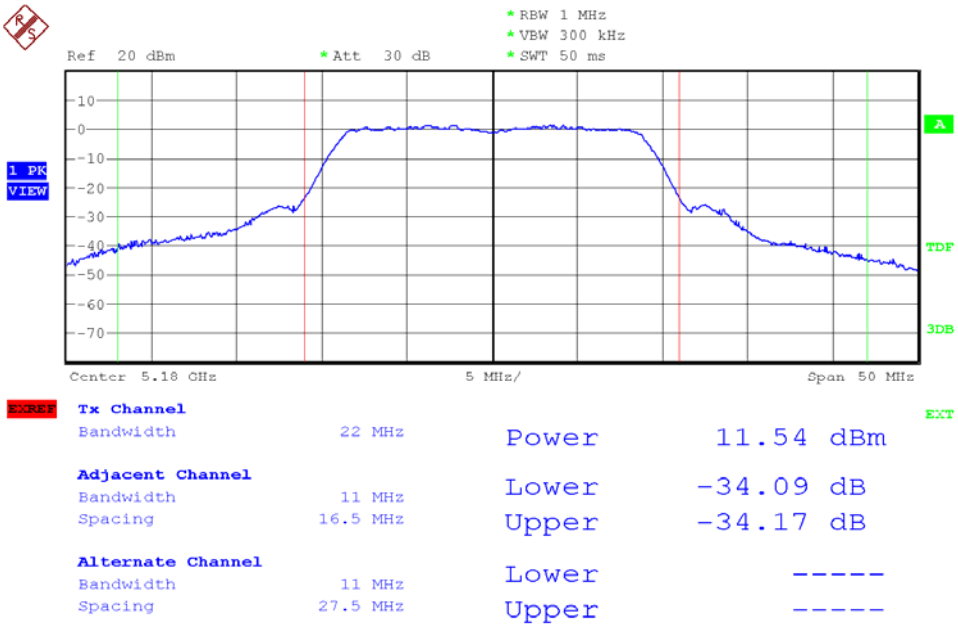
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 44



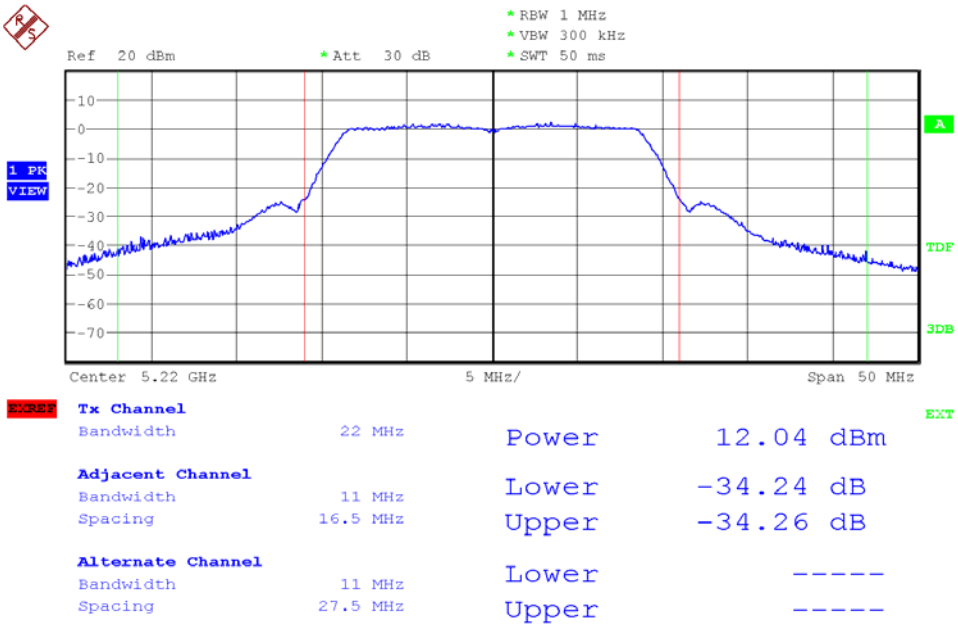
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 48



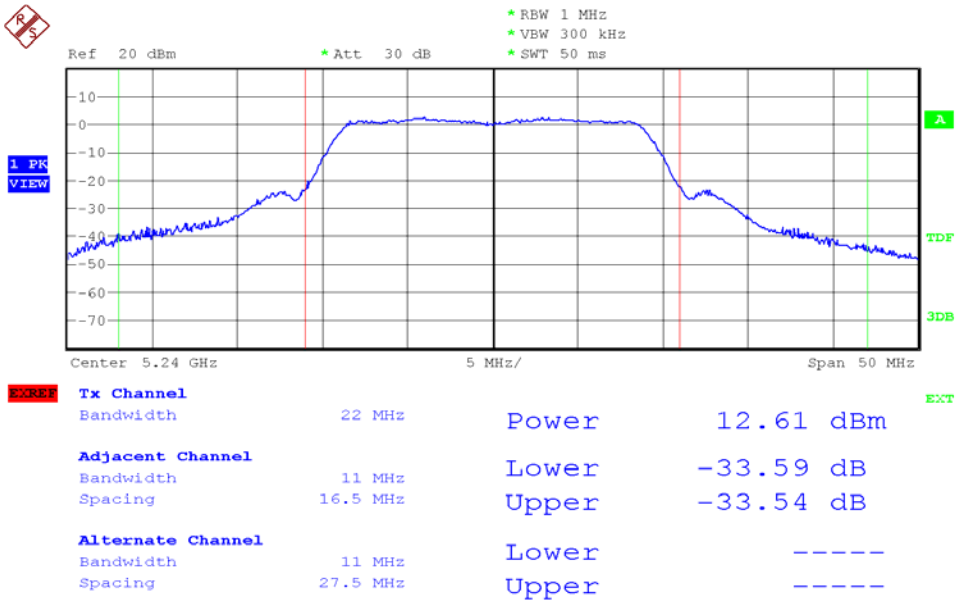
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 36



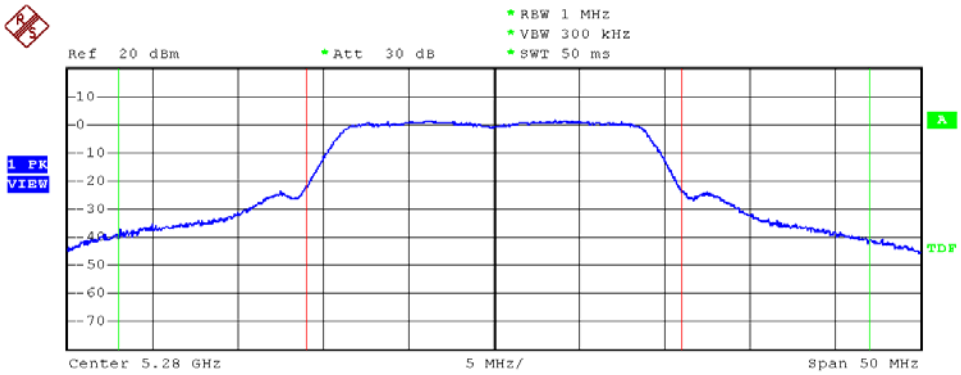
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 44



Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 48

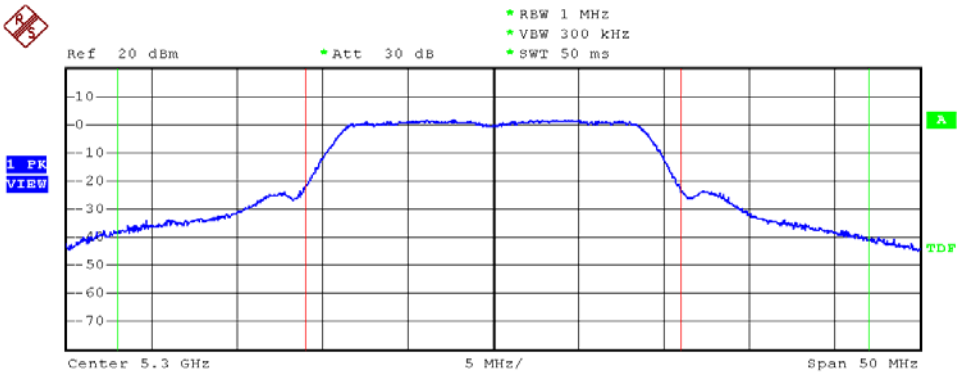


Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 56



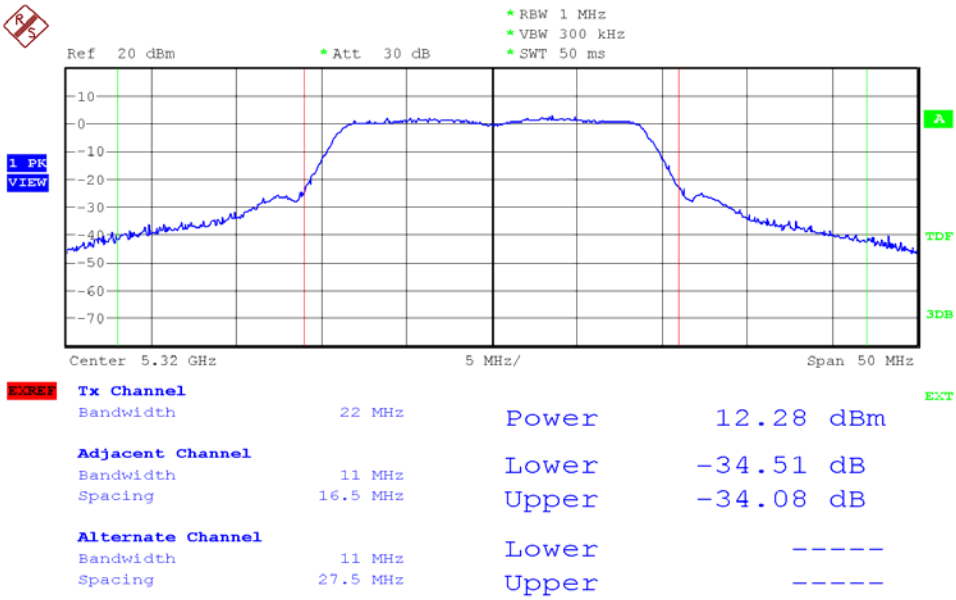
Tx Channel			
Bandwidth	22 MHz	Power	12.20 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-32.44 dB
Spacing	16.5 MHz	Upper	-32.58 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 60

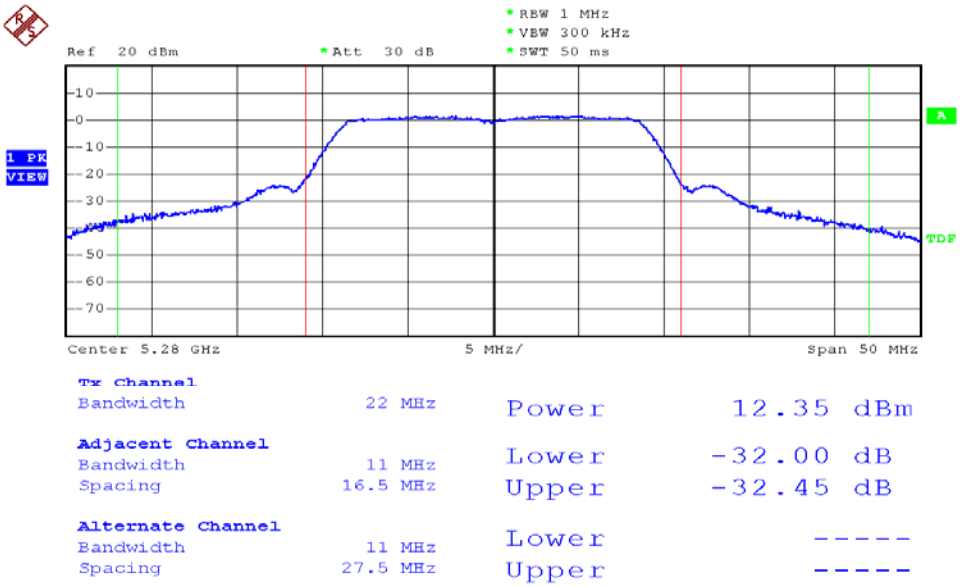


Tx Channel			
Bandwidth	22 MHz	Power	12.50 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-32.42 dB
Spacing	16.5 MHz	Upper	-32.33 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

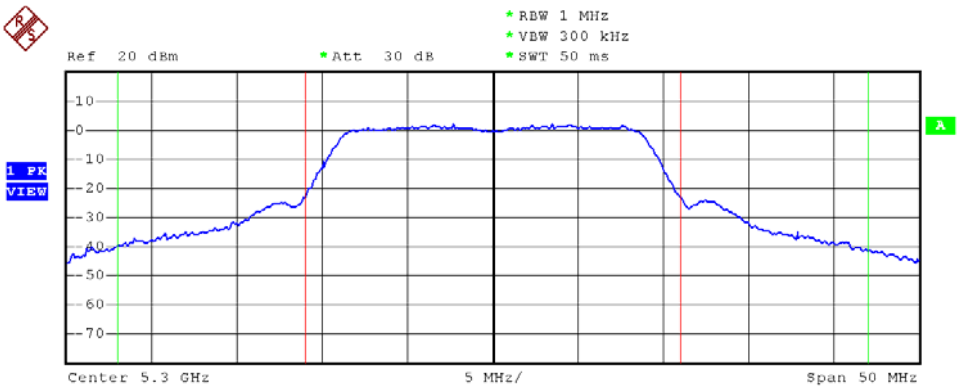
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 64



Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 56

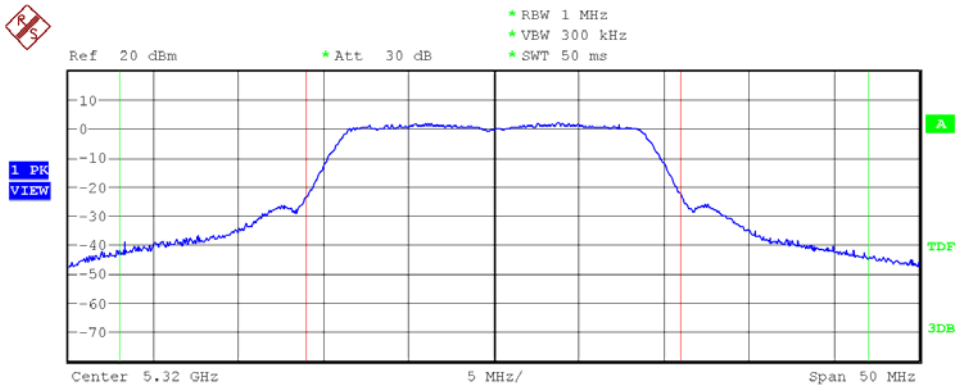


Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 60



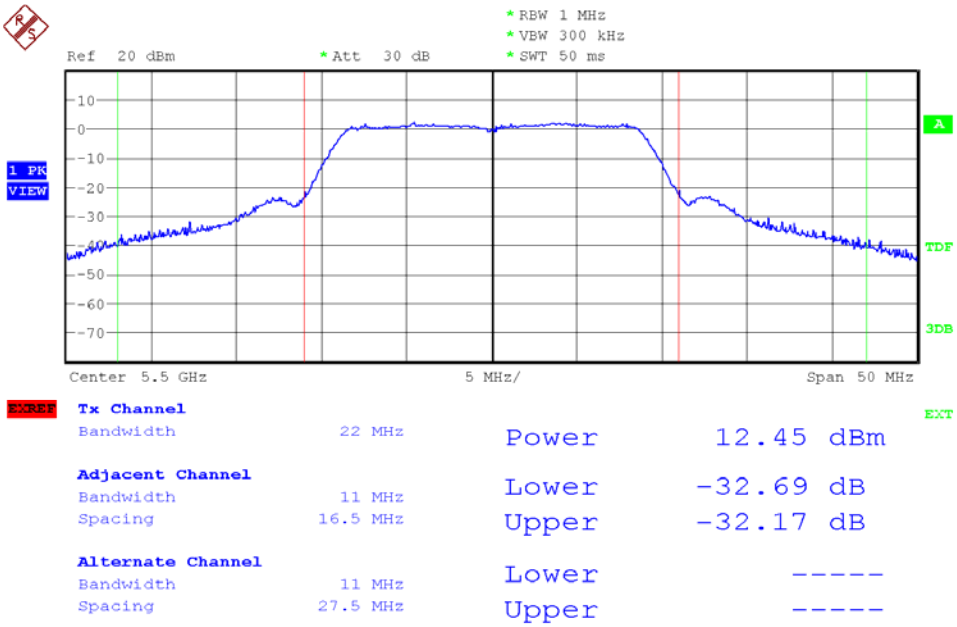
Tx Channel			
Bandwidth	22 MHz	Power	12.53 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-32.96 dB
Spacing	16.5 MHz	Upper	-32.69 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 64

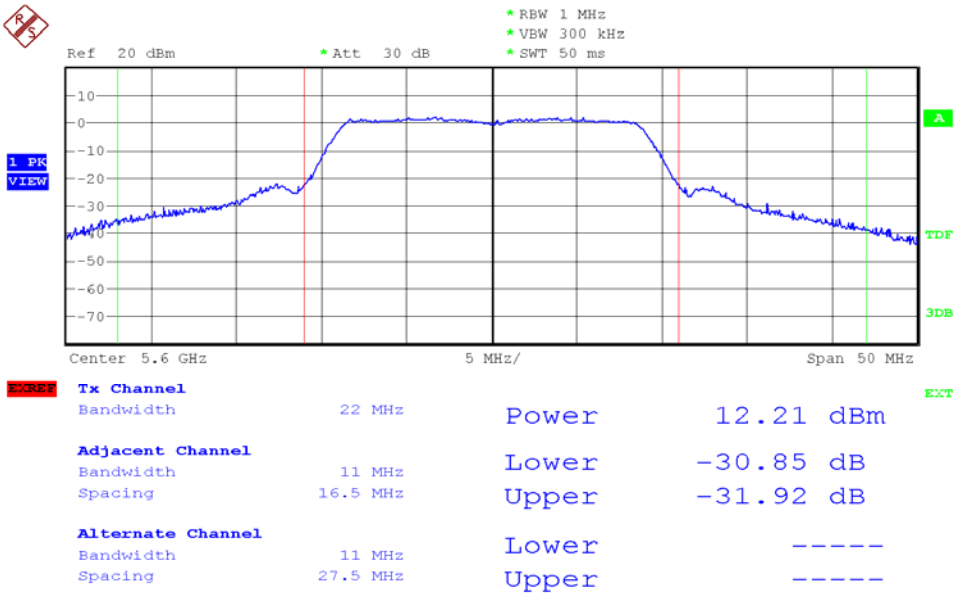


Tx Channel			
Bandwidth	22 MHz	Power	12.22 dBm
Adjacent Channel			
Bandwidth	11 MHz	Lower	-35.31 dB
Spacing	16.5 MHz	Upper	-35.02 dB
Alternate Channel			
Bandwidth	11 MHz	Lower	-----
Spacing	27.5 MHz	Upper	-----

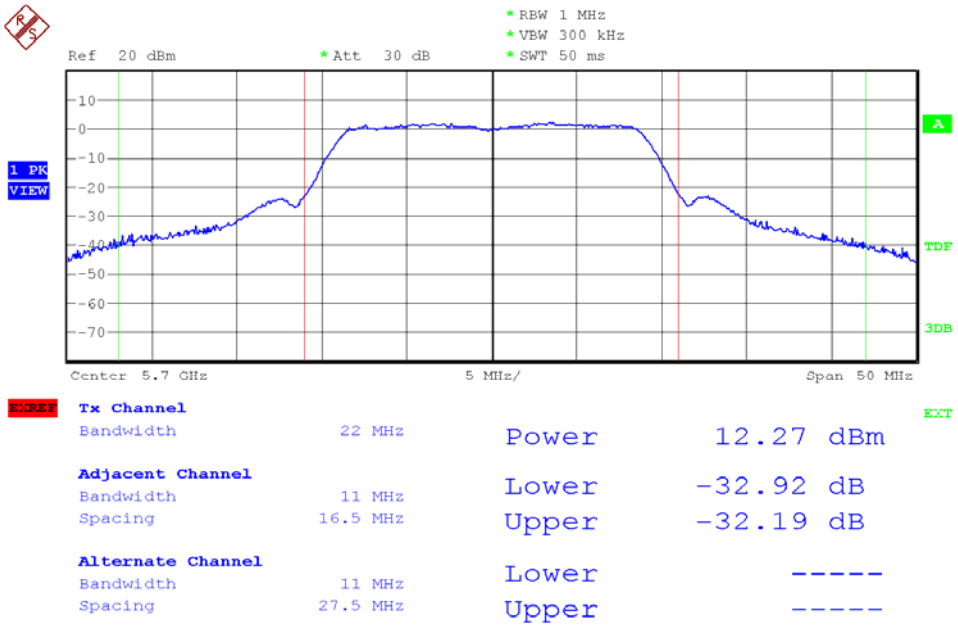
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 100



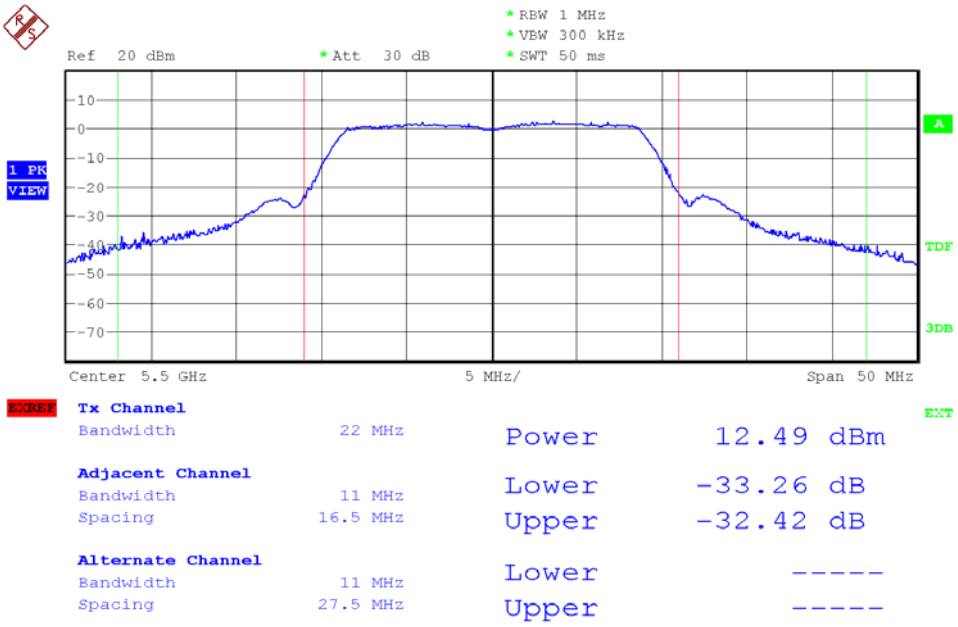
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 120



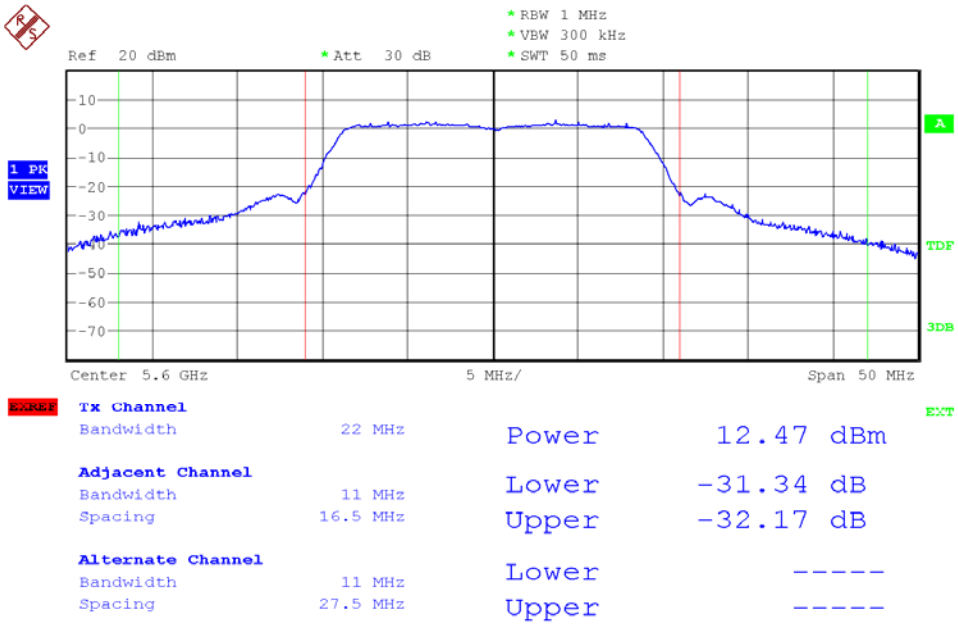
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 140



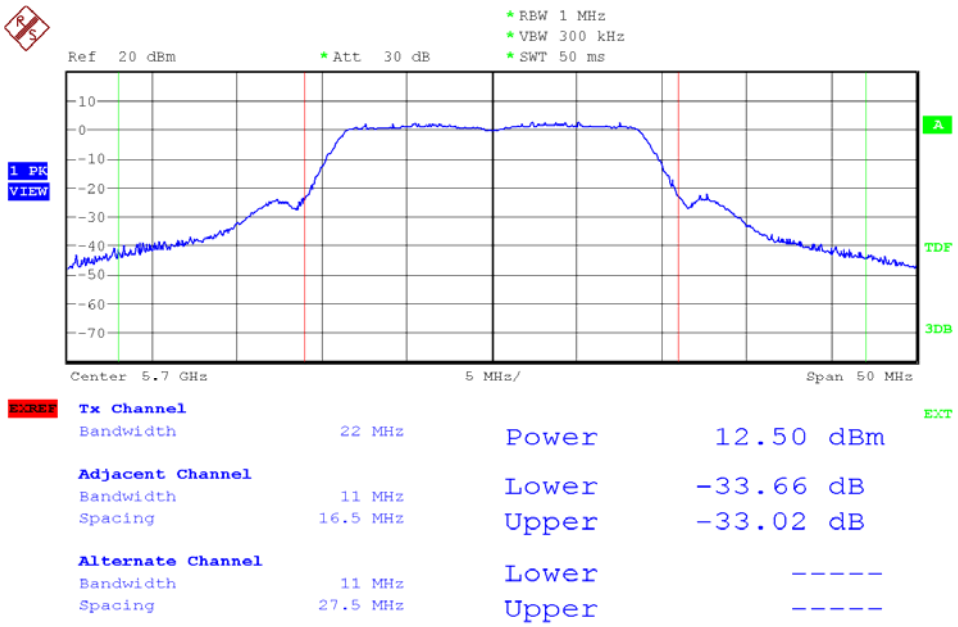
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 100



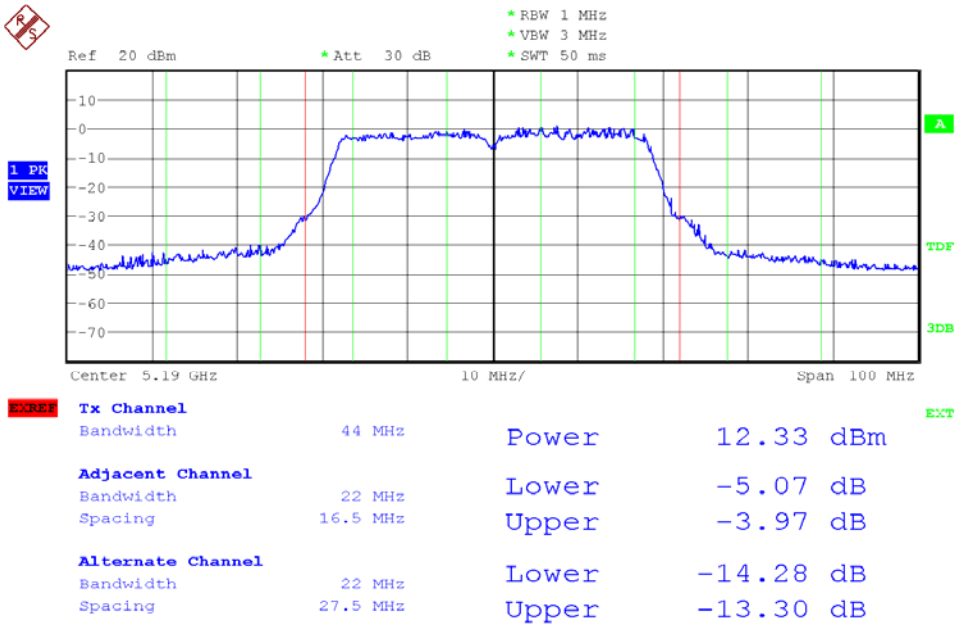
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 120



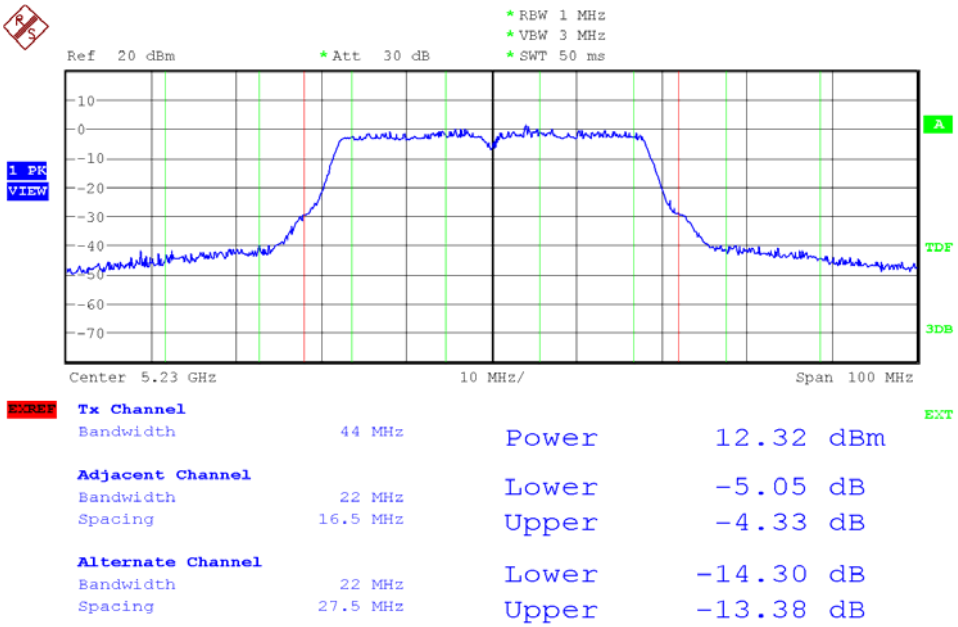
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 140



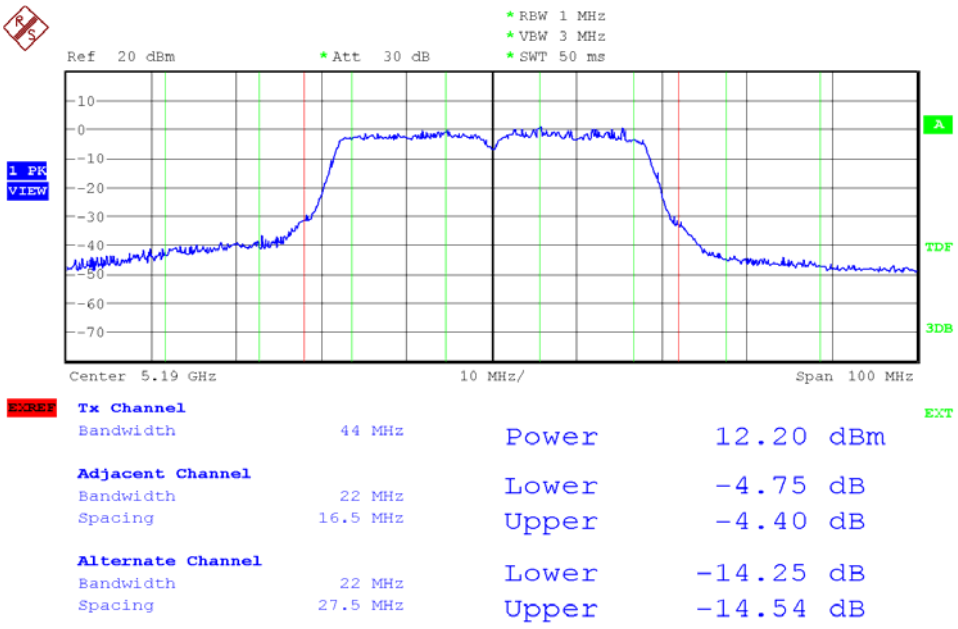
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 38



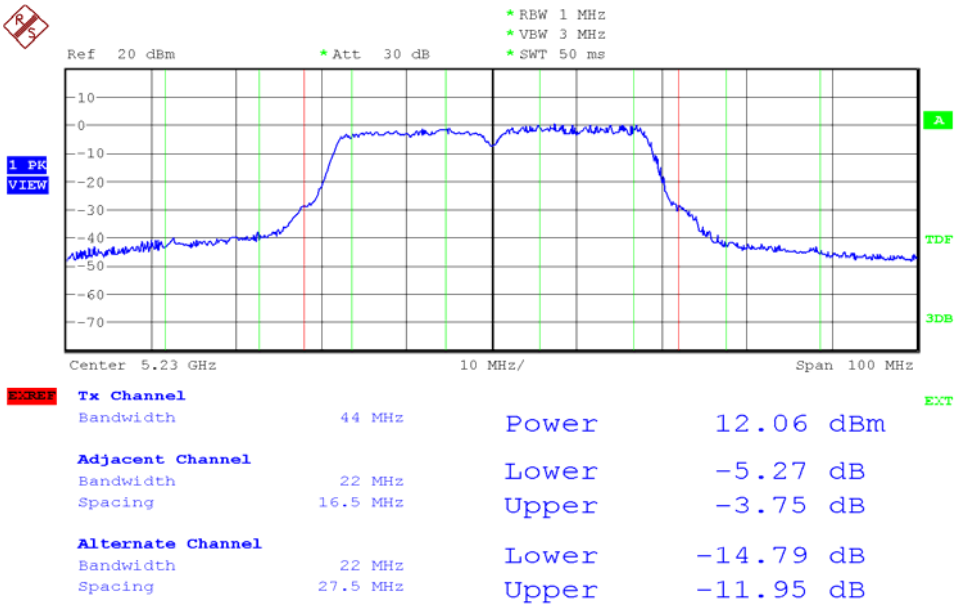
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 46



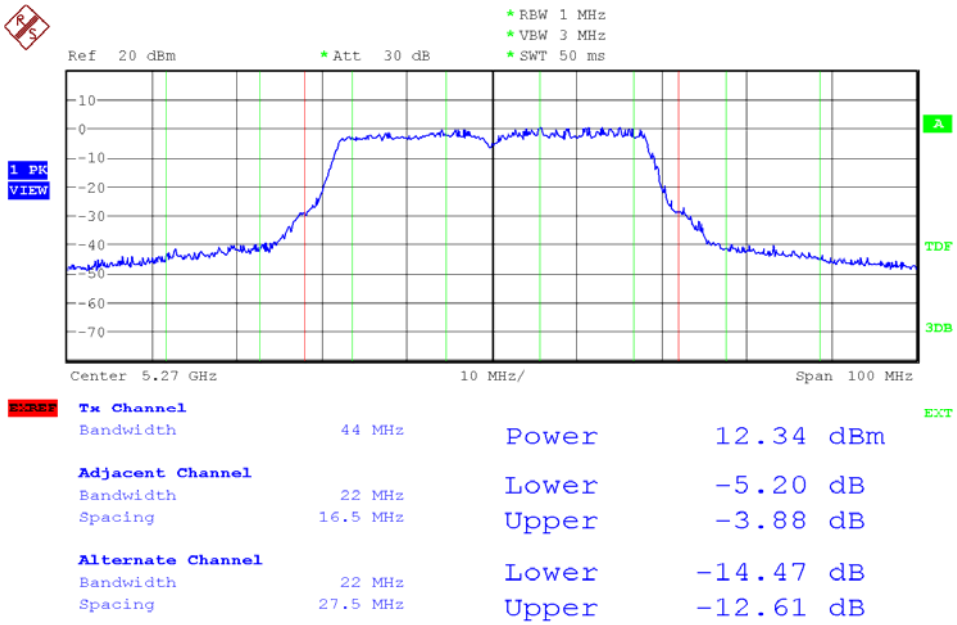
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 38



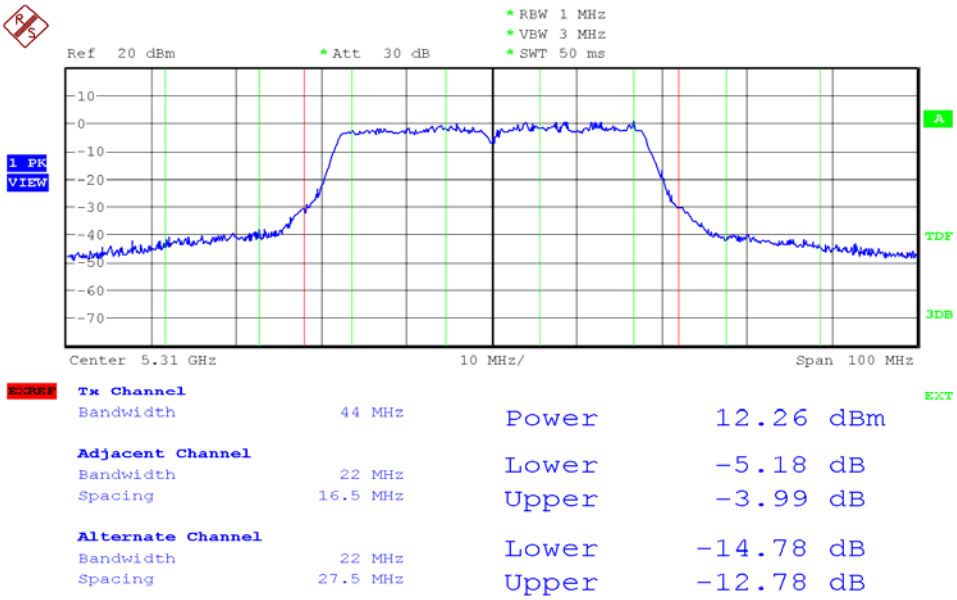
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 46



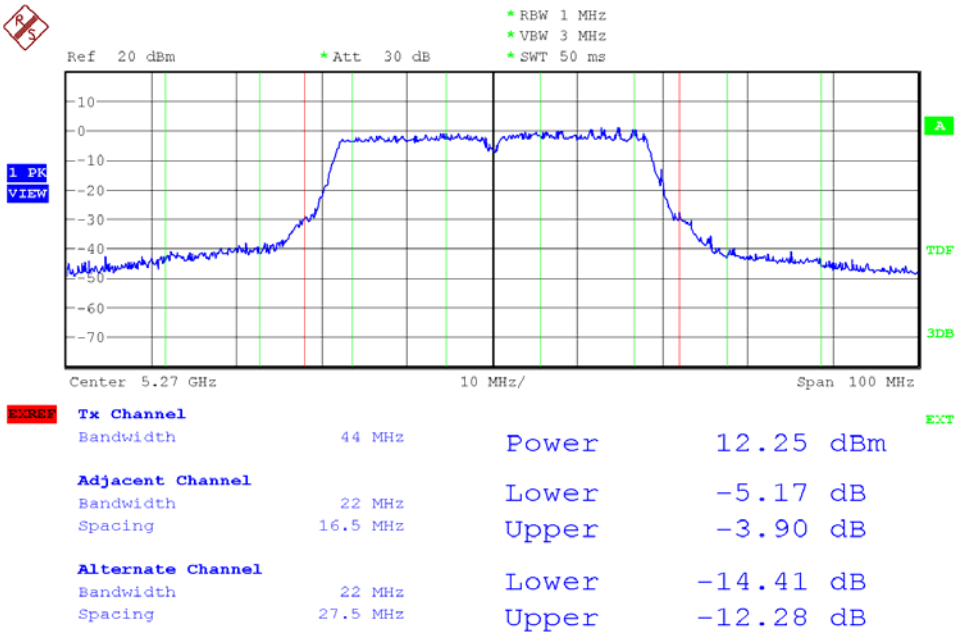
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 54



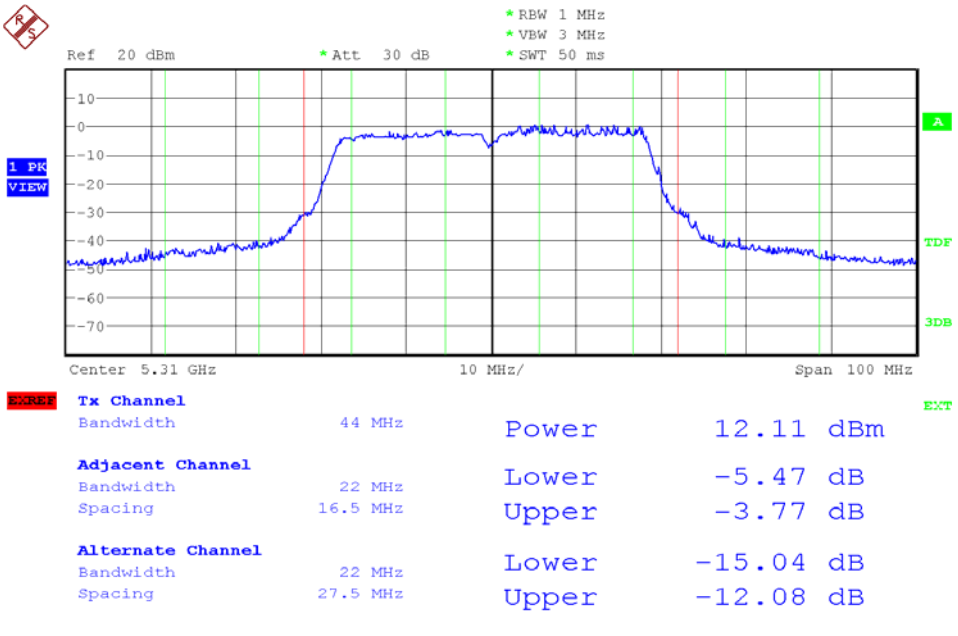
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 62



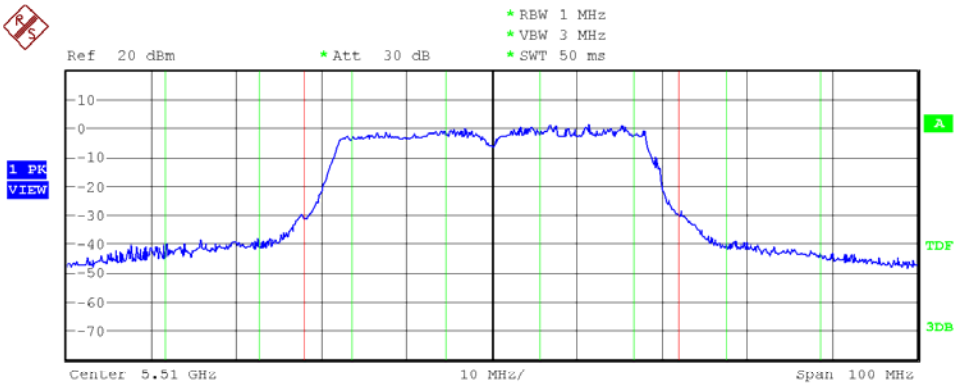
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 54



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 62



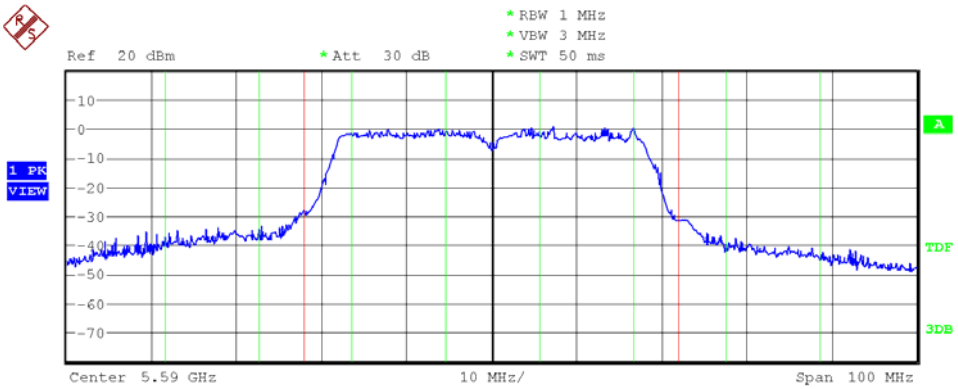
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 102



EXREF

Tx Channel			
Bandwidth	44 MHz	Power	12.60 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-5.43 dB
Spacing	16.5 MHz	Upper	-3.83 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-14.88 dB
Spacing	27.5 MHz	Upper	-12.77 dB

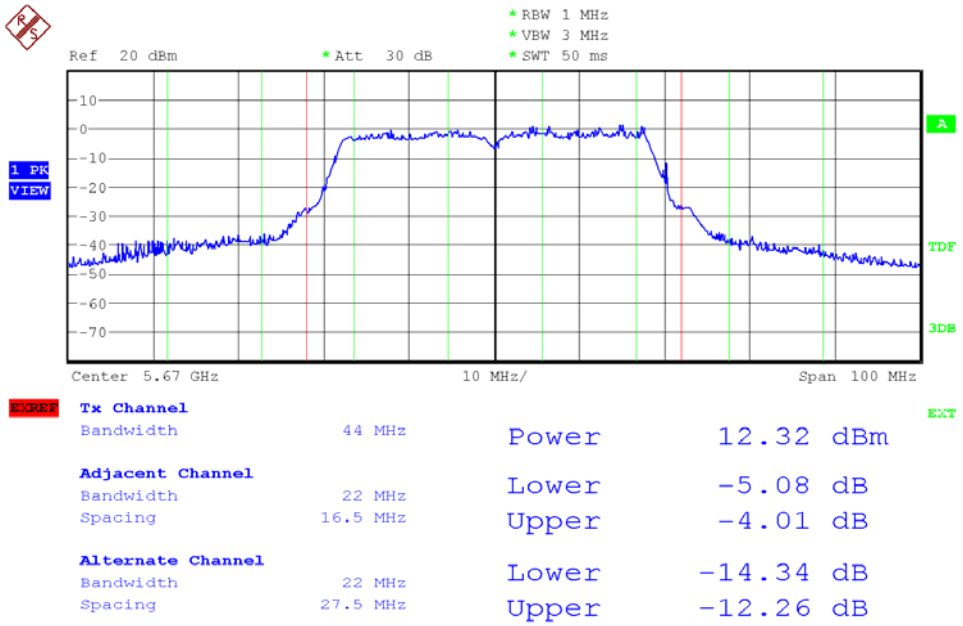
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 118



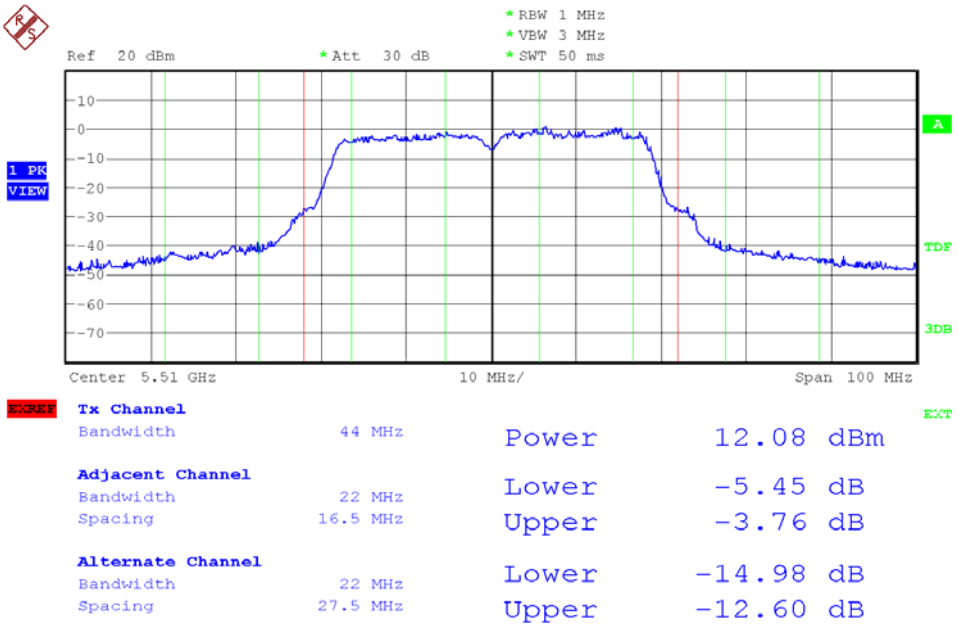
EXREF

Tx Channel			
Bandwidth	44 MHz	Power	12.44 dBm
Adjacent Channel			
Bandwidth	22 MHz	Lower	-4.29 dB
Spacing	16.5 MHz	Upper	-4.79 dB
Alternate Channel			
Bandwidth	22 MHz	Lower	-13.16 dB
Spacing	27.5 MHz	Upper	-13.56 dB

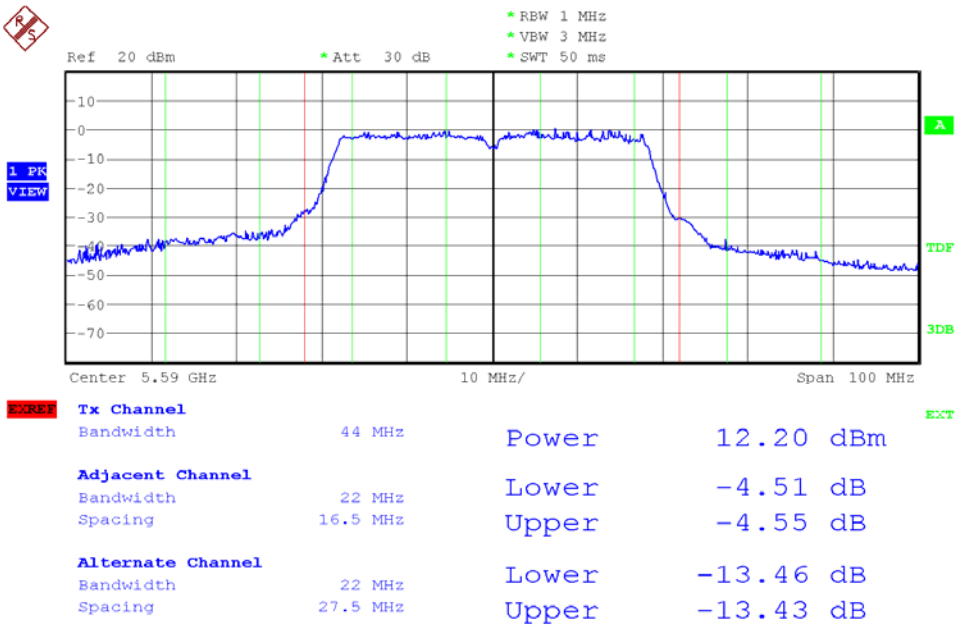
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 134



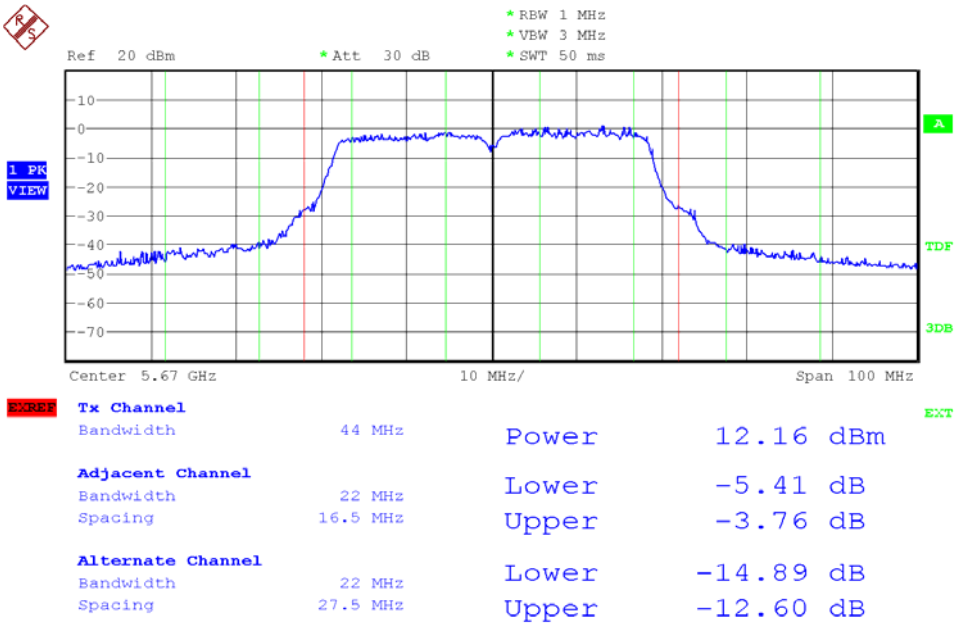
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 102



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 118

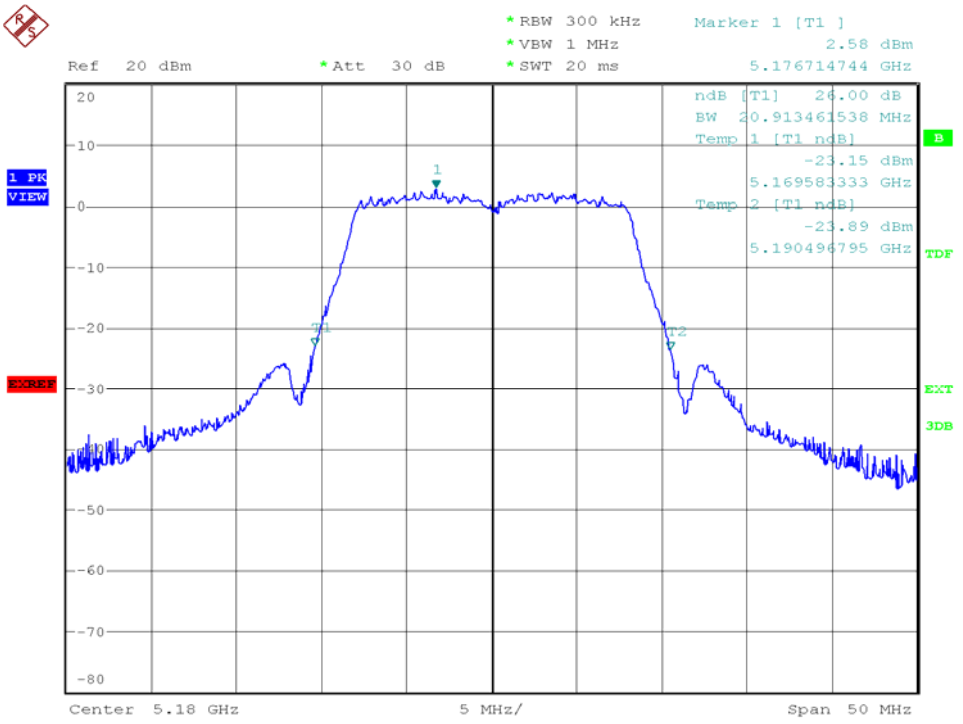


Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 134

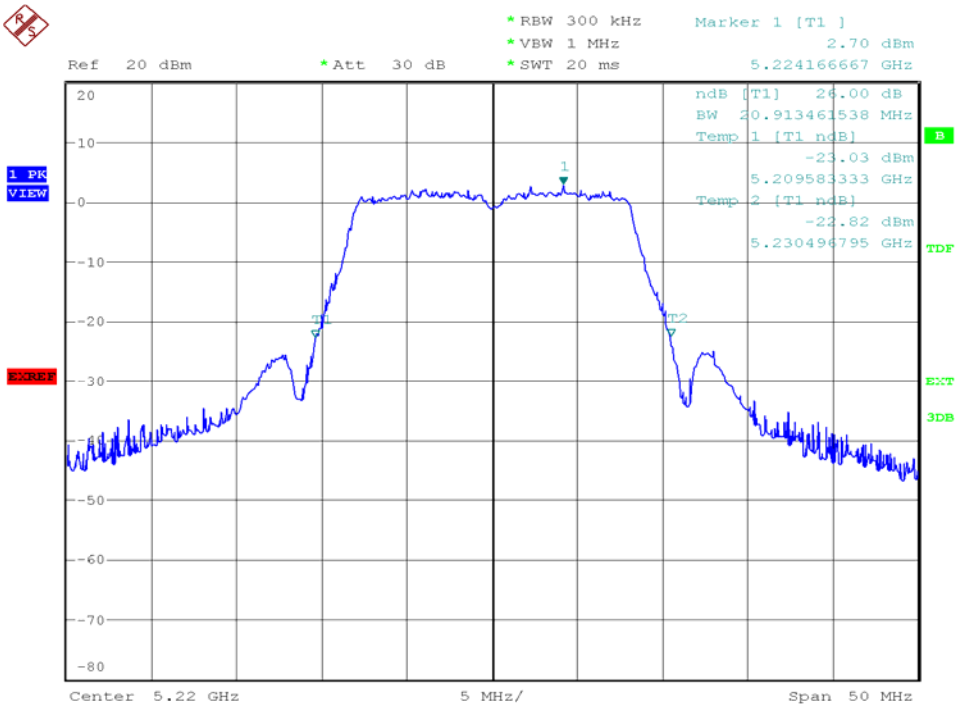


26dB Occupied Bandwidth

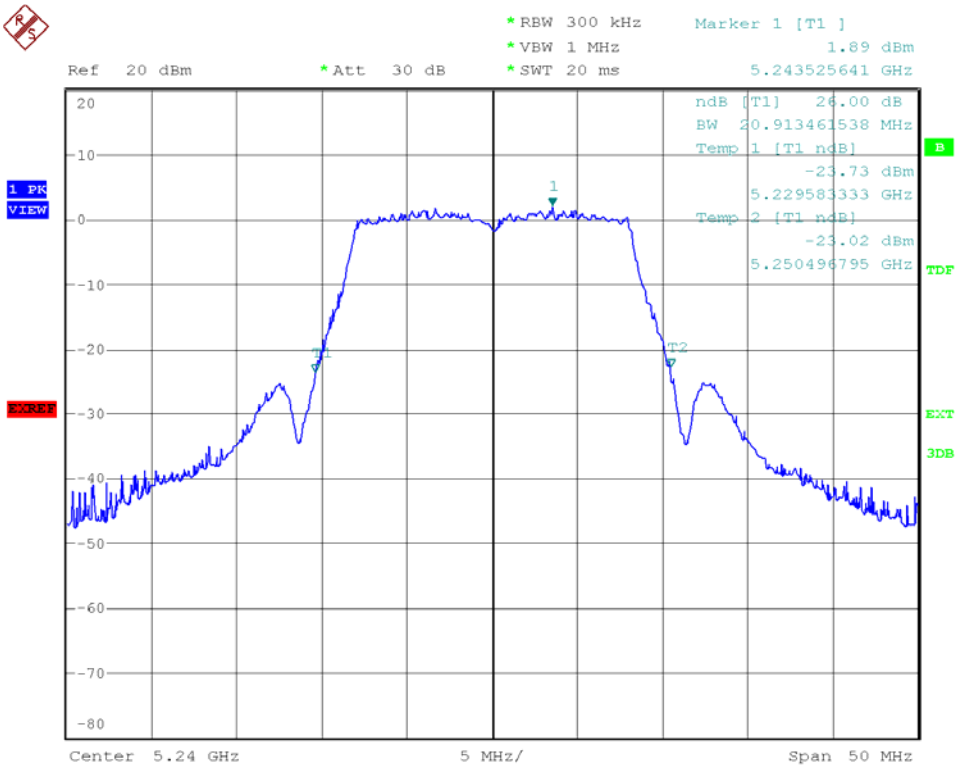
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 36



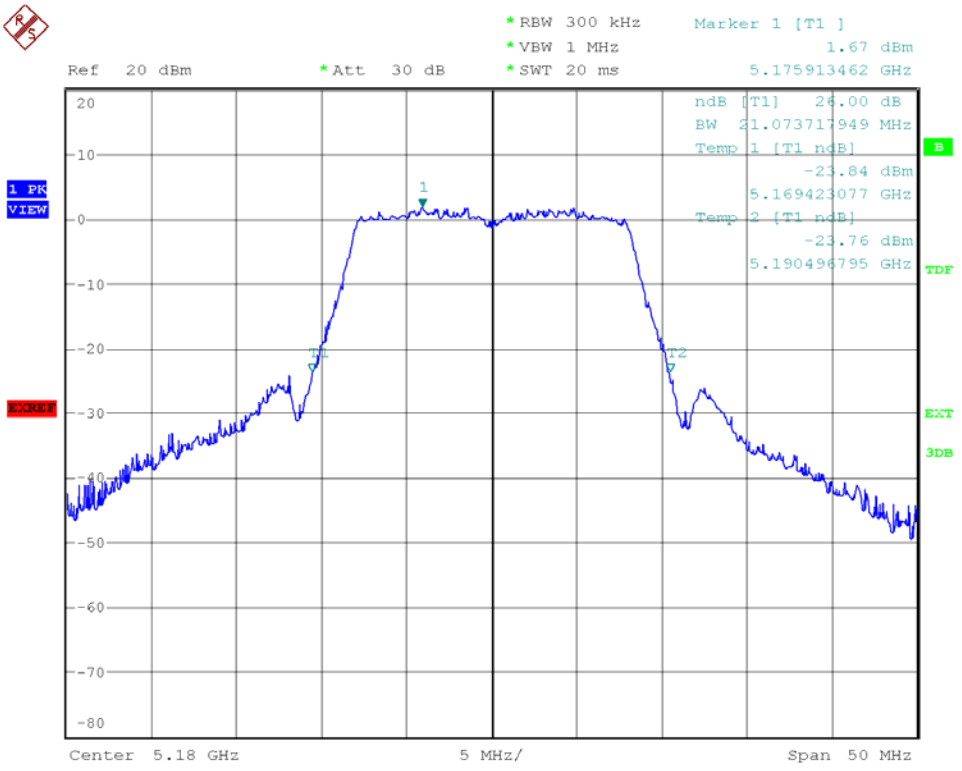
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 44



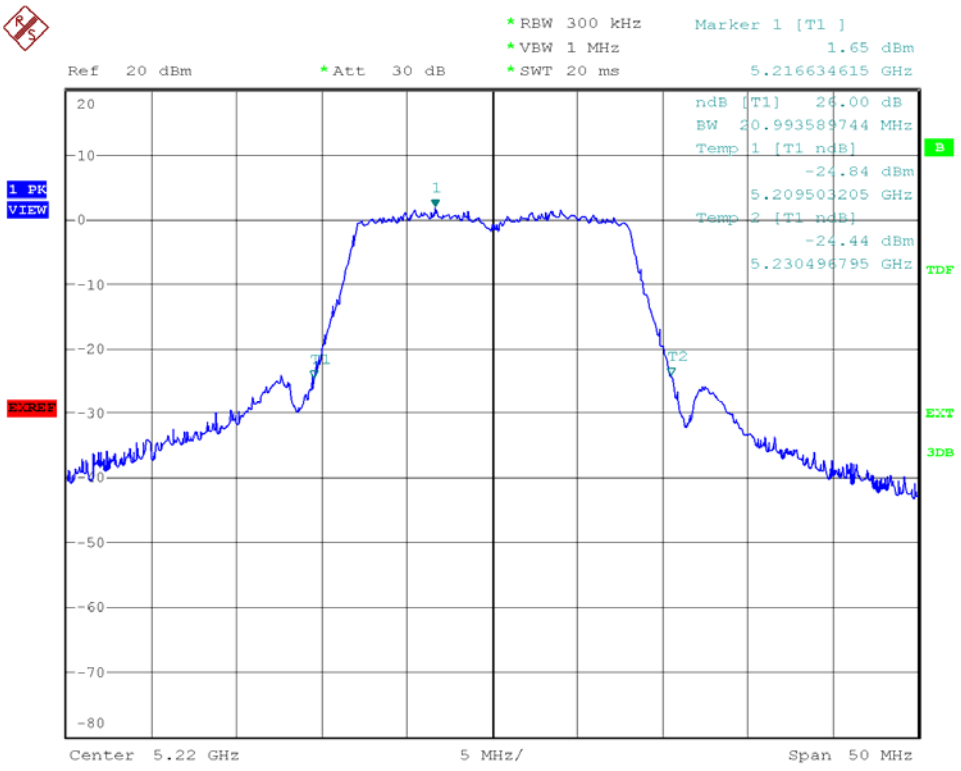
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 48



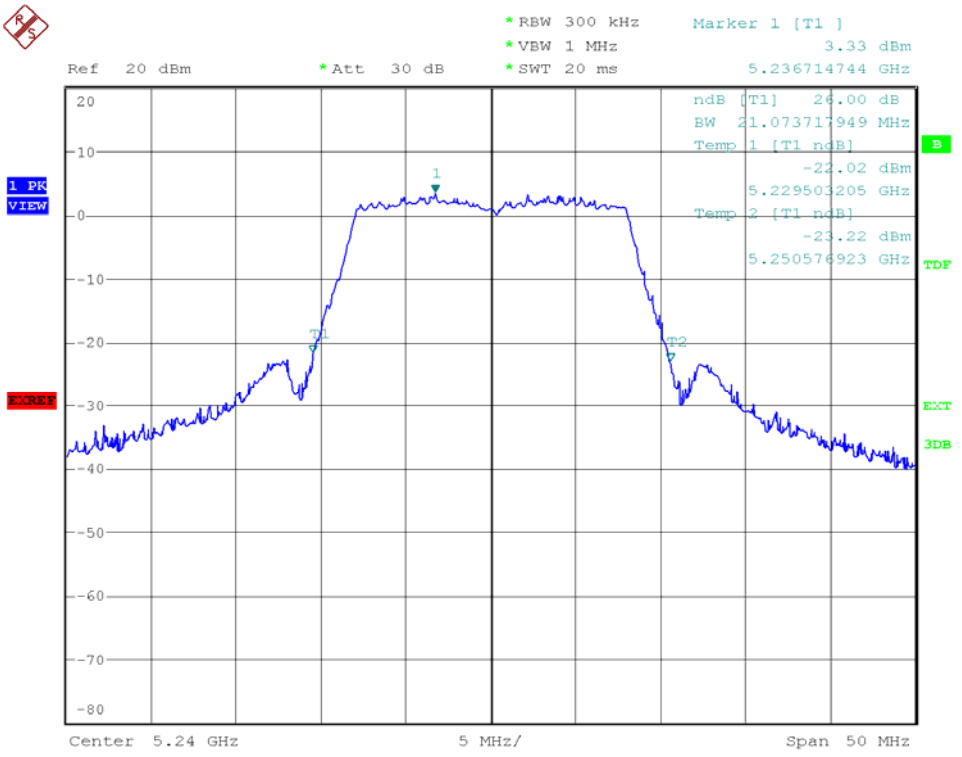
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 36



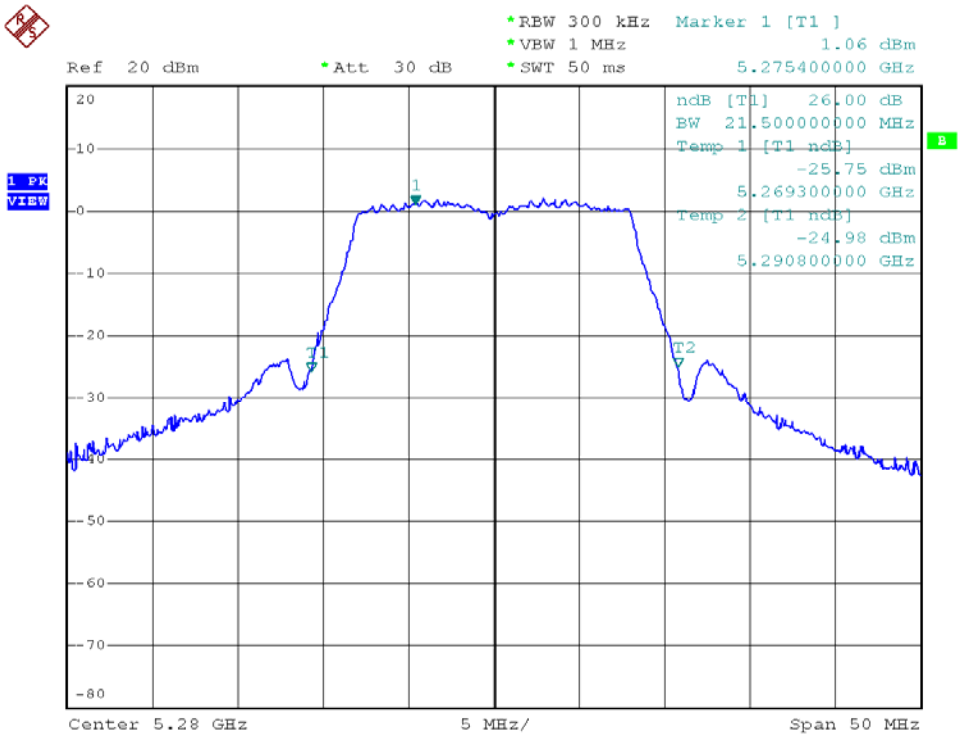
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 44



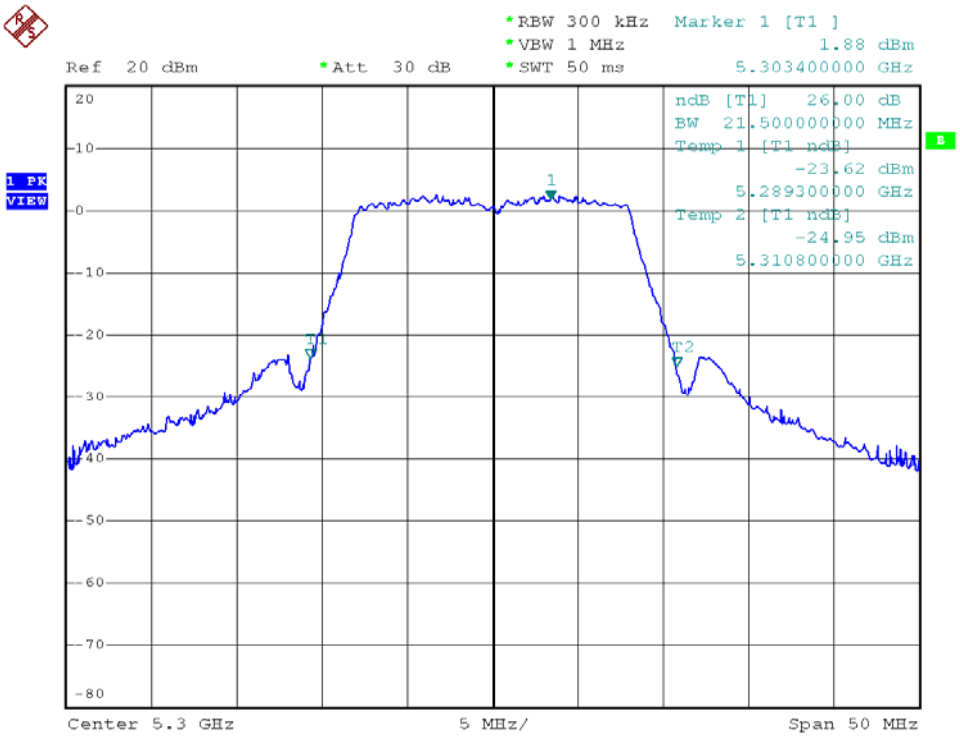
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 48



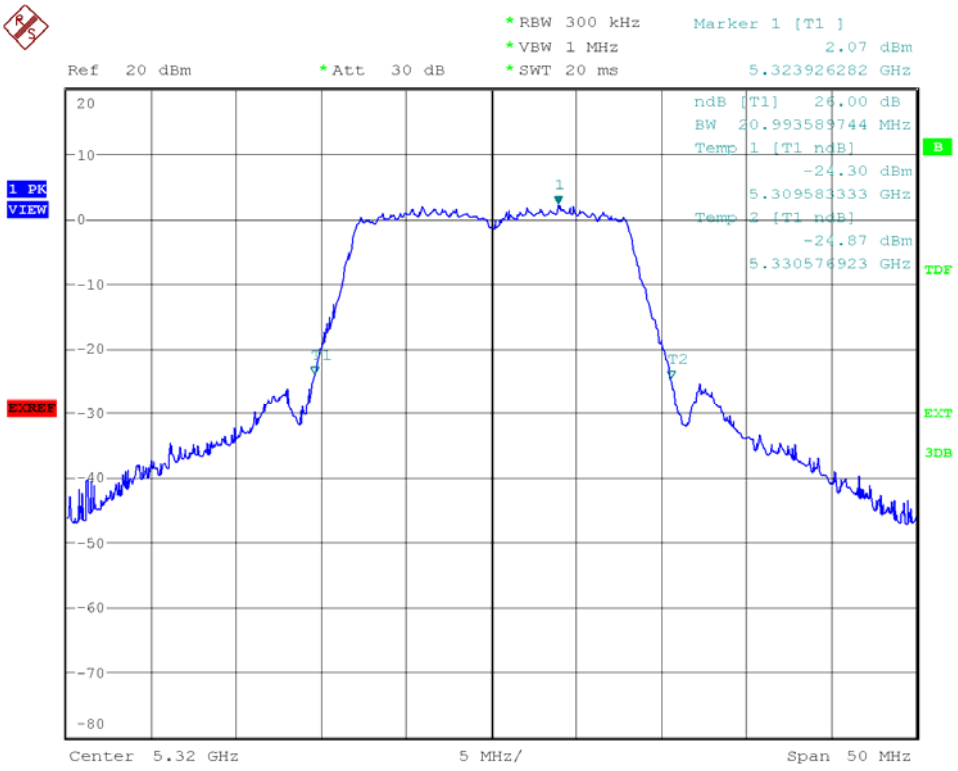
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 56



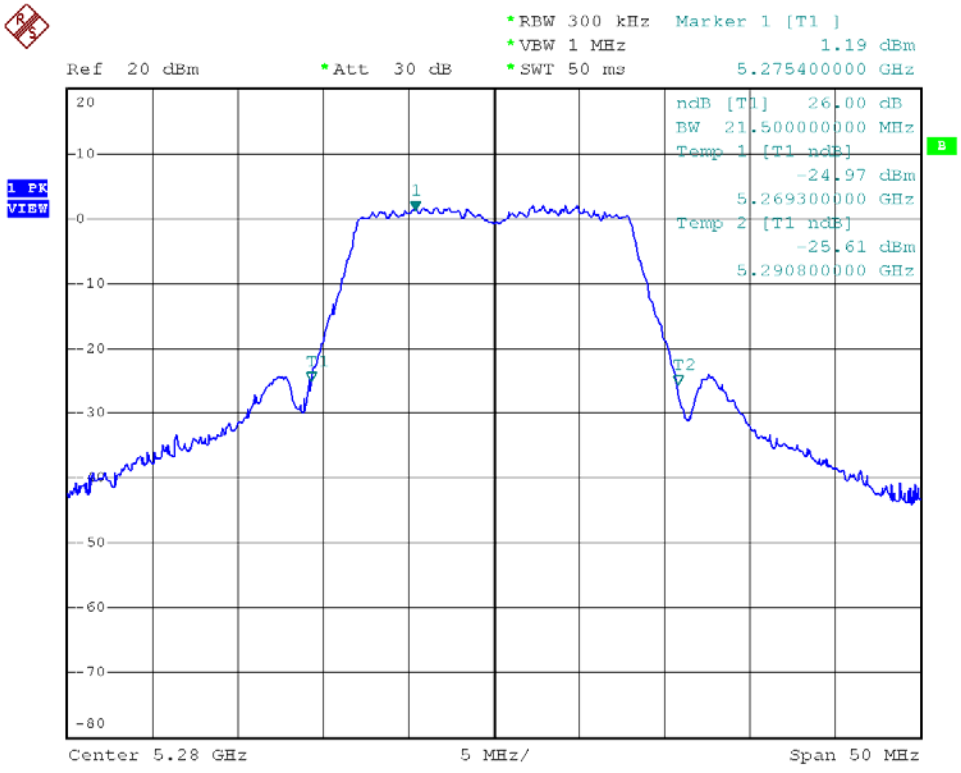
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 60



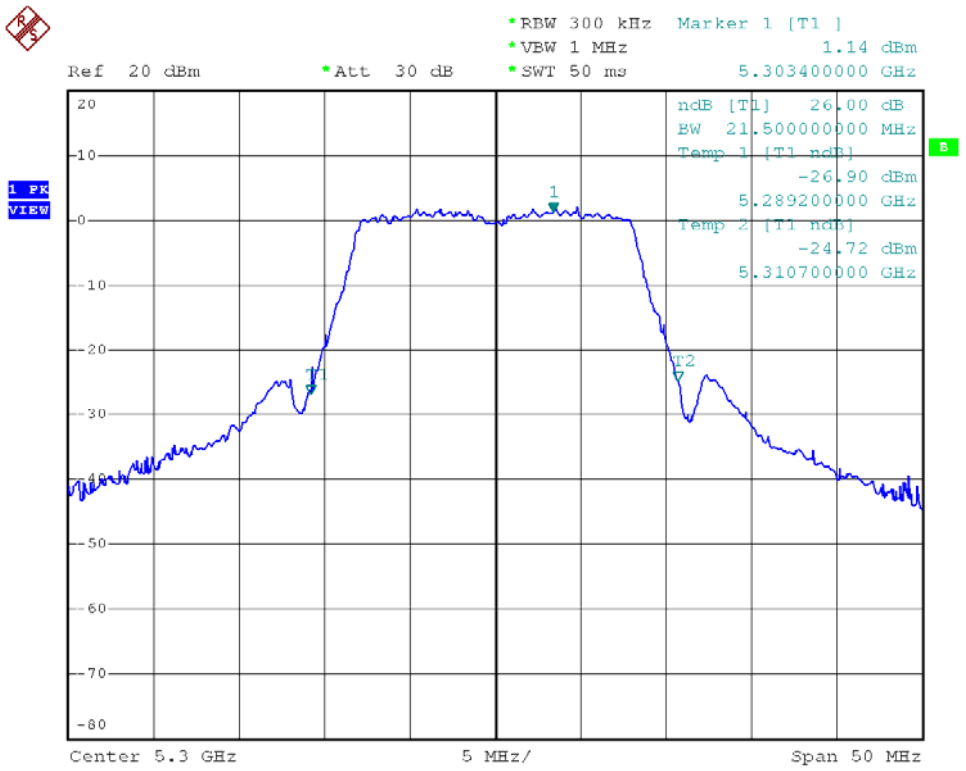
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 64



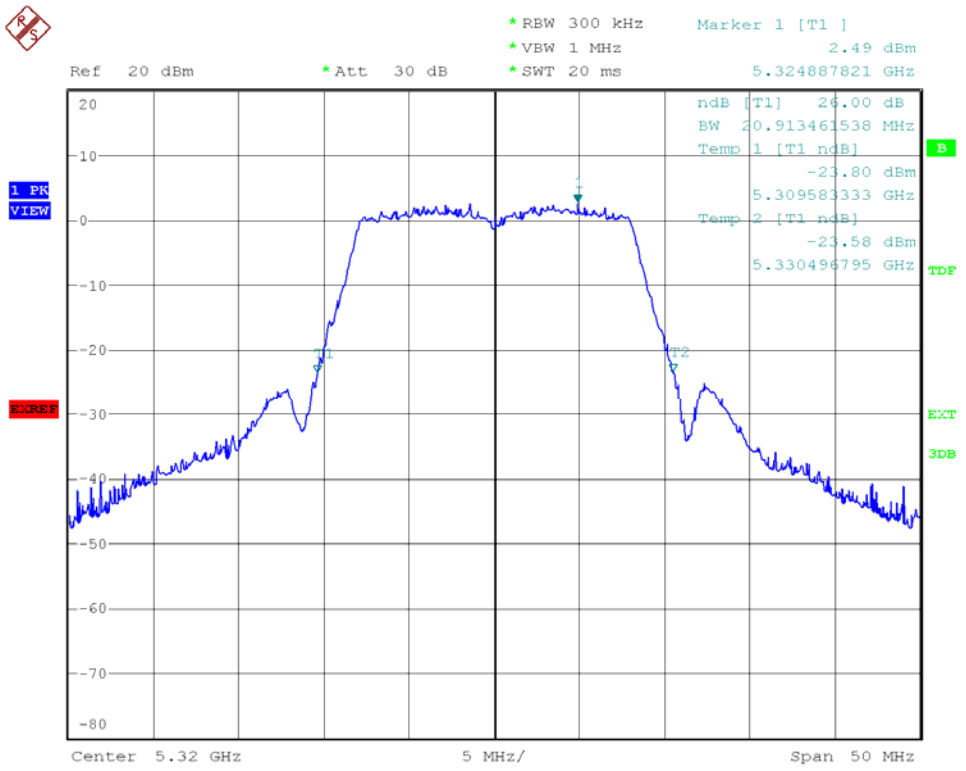
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 56



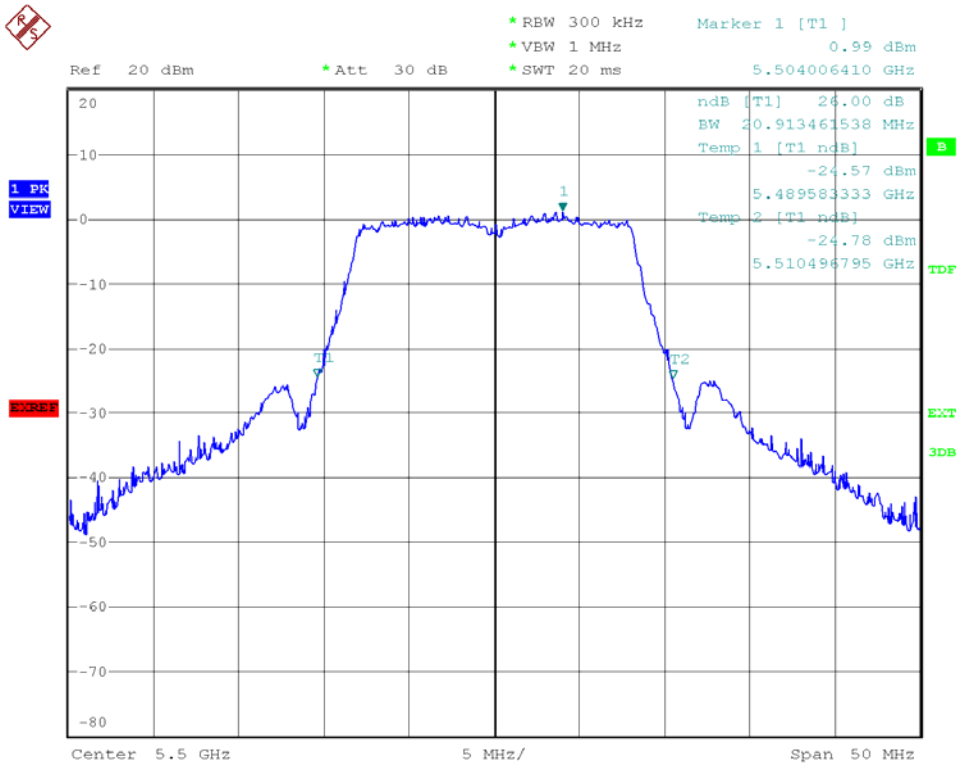
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 60



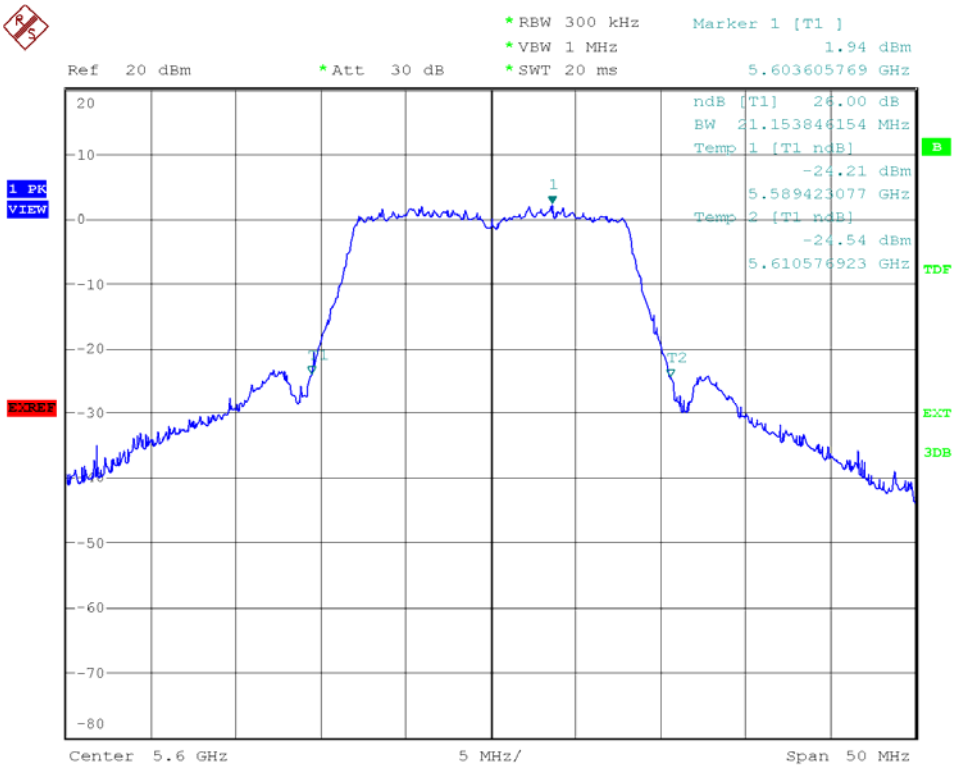
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 64



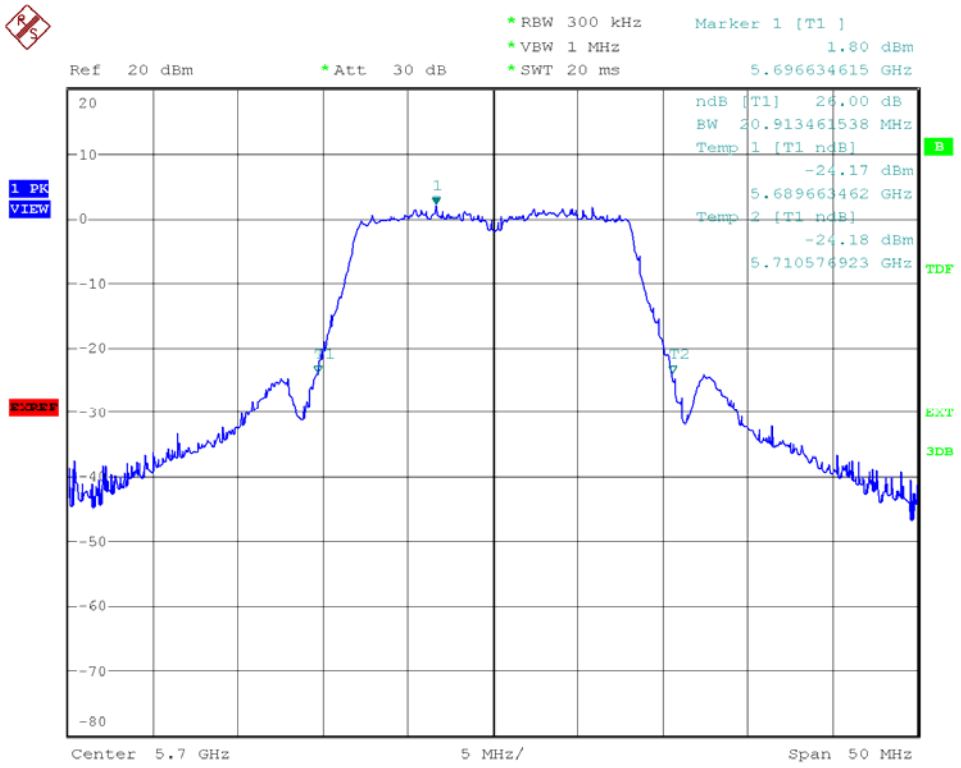
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 100



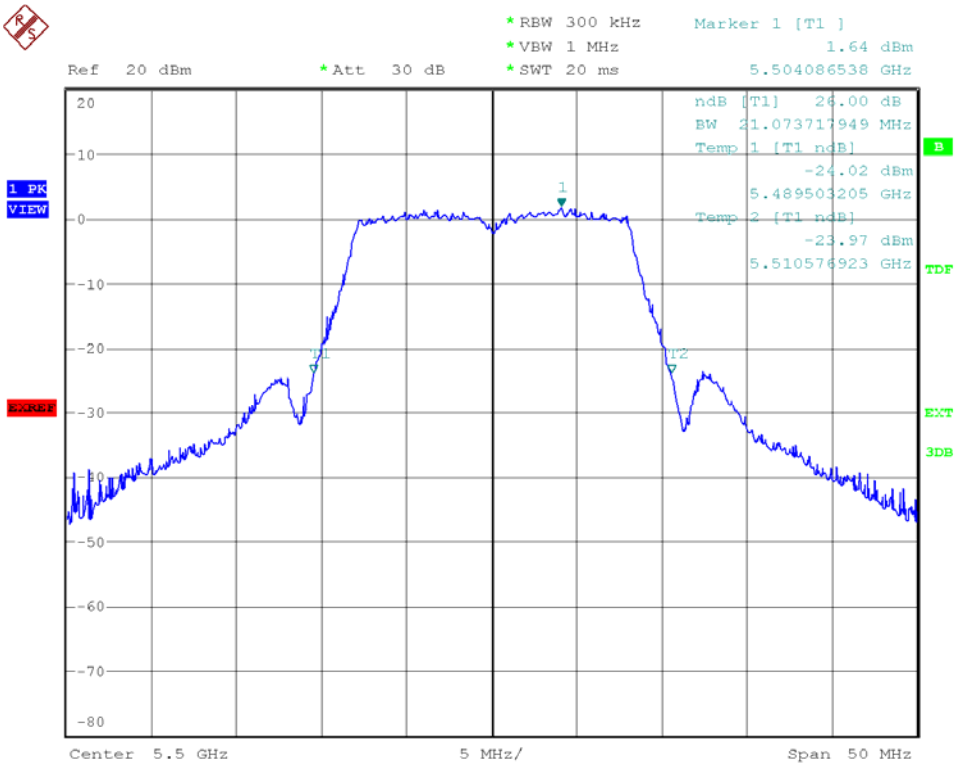
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 120



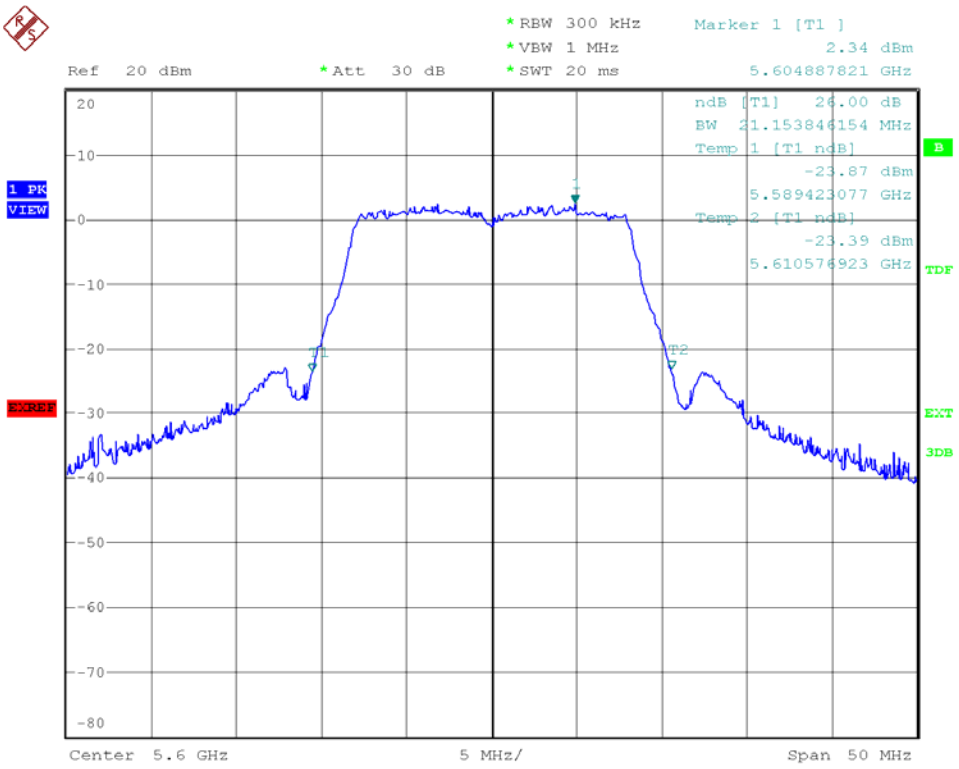
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 140



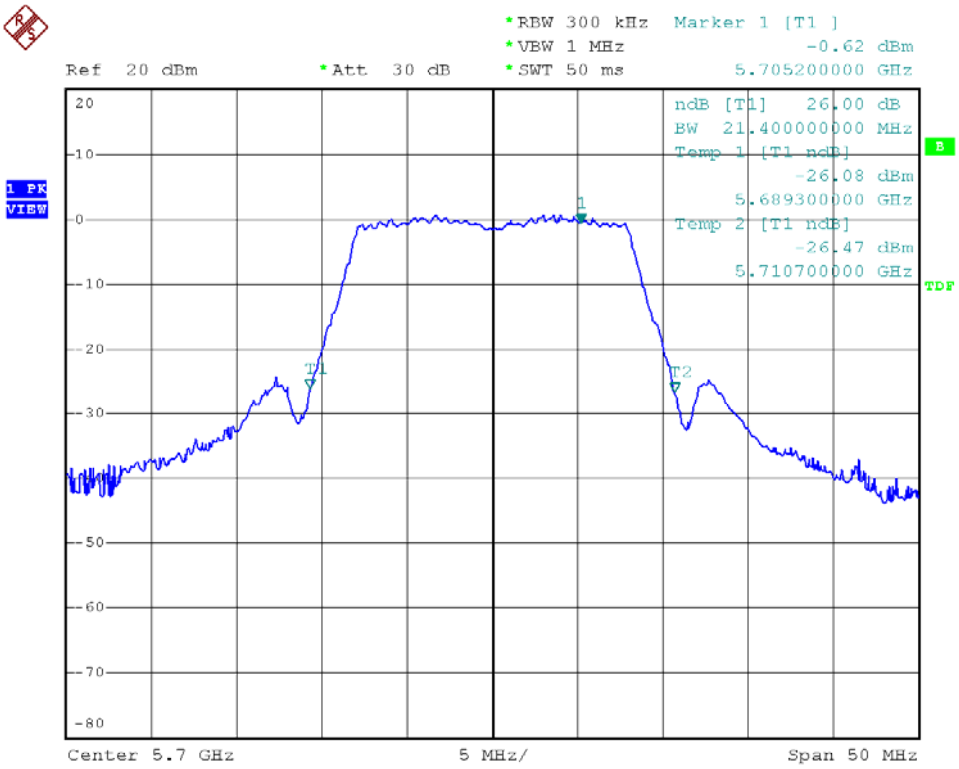
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 100



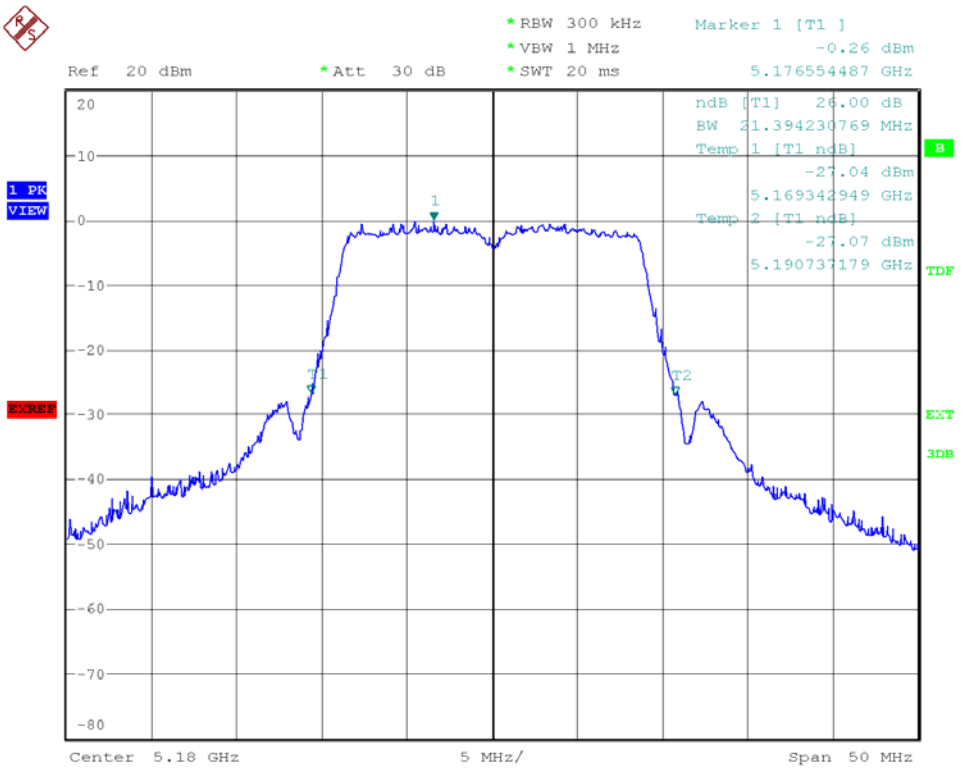
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 120



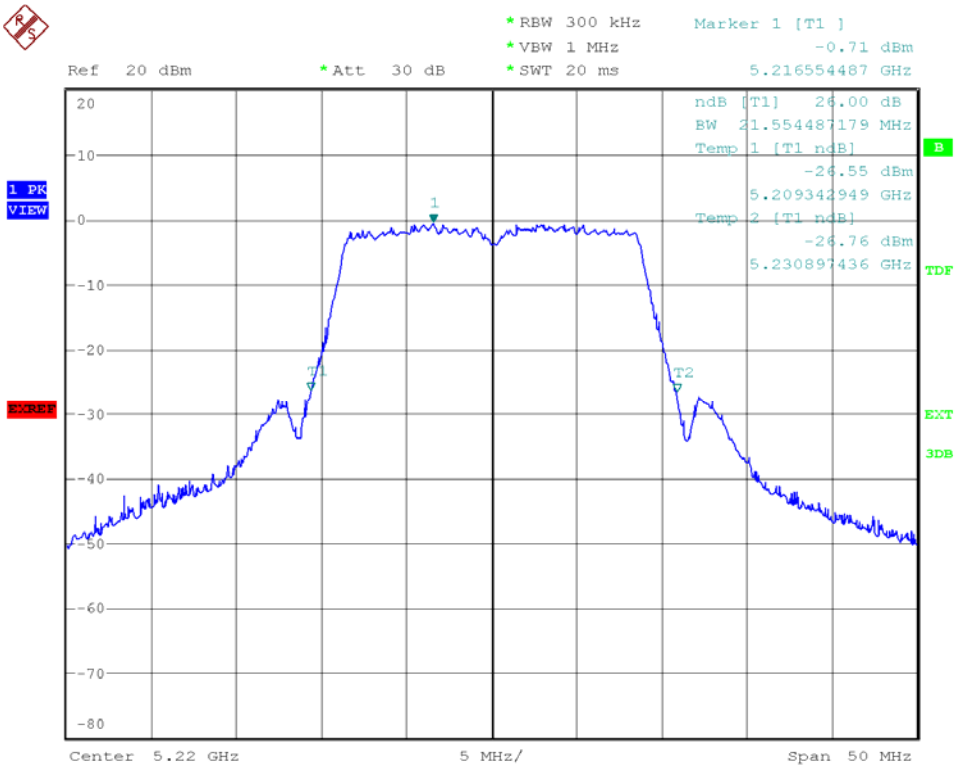
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 140



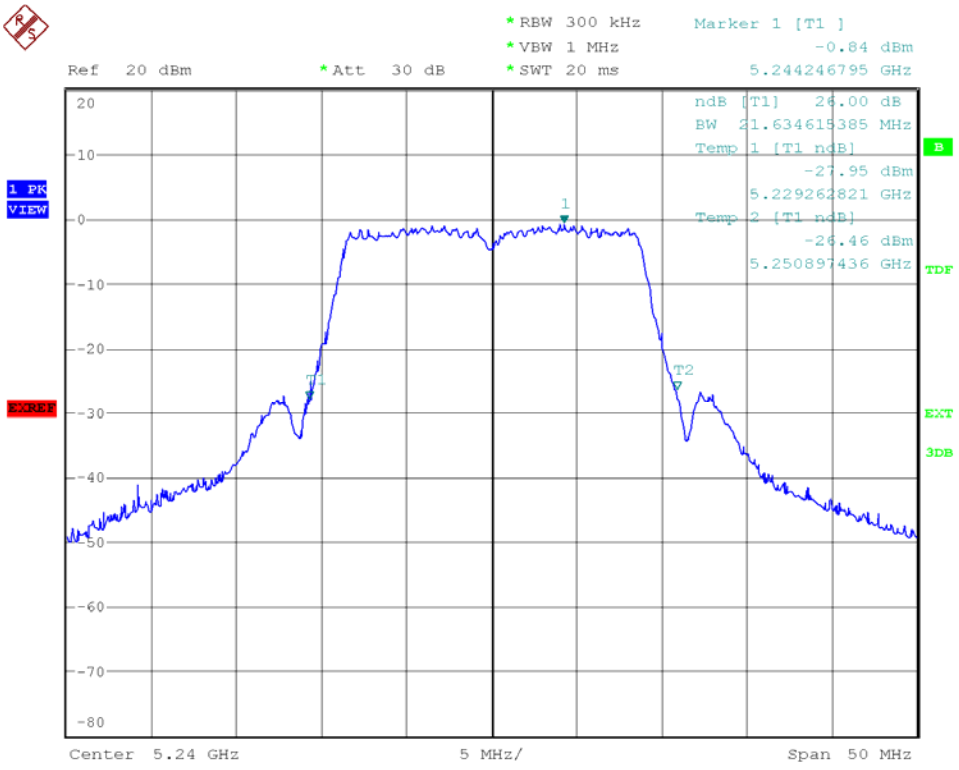
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 36



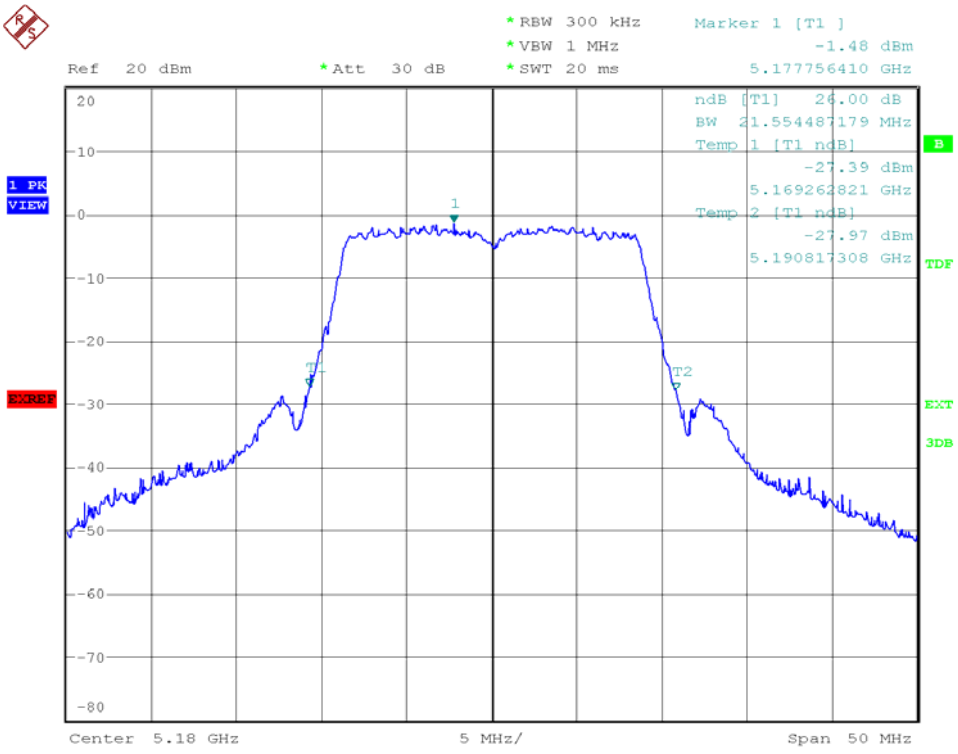
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 44



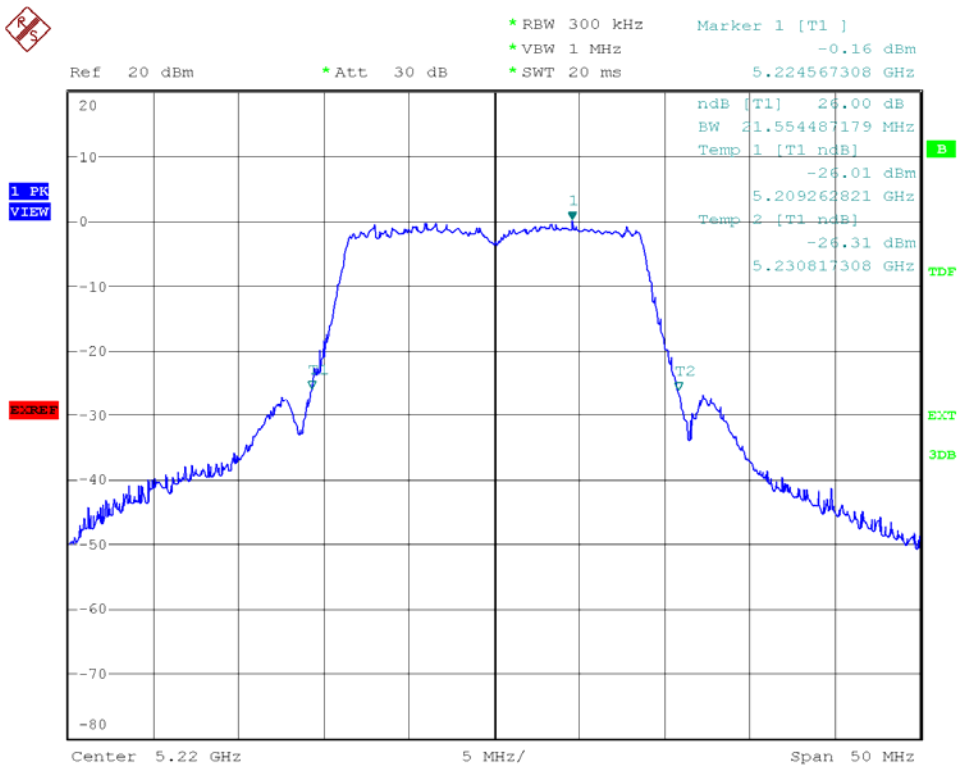
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 48



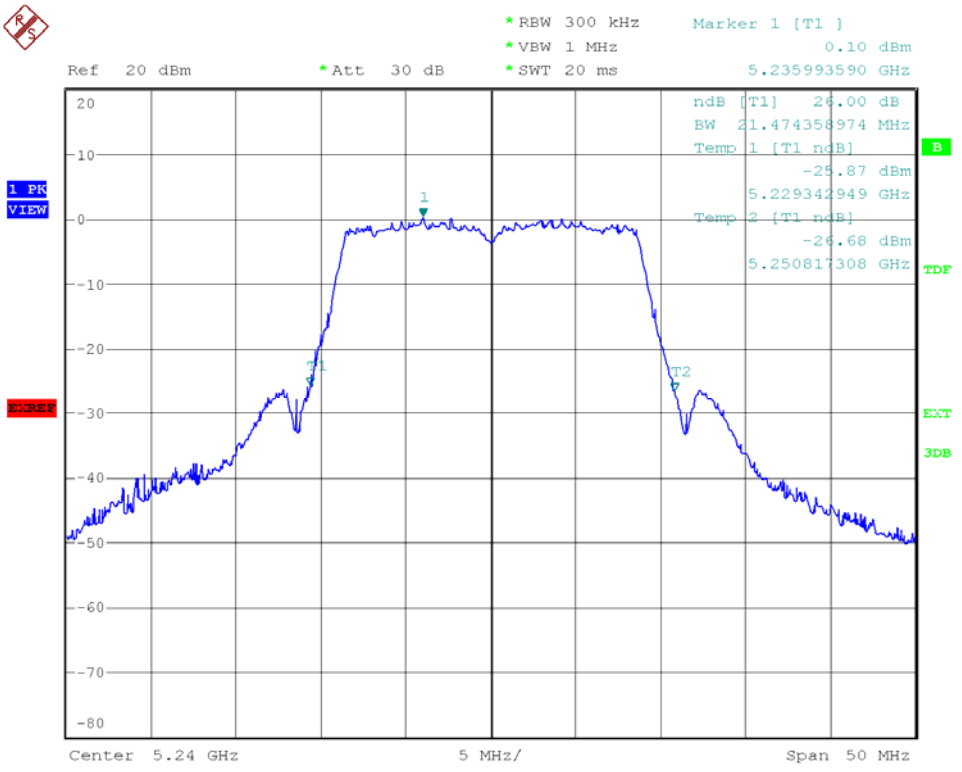
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 36



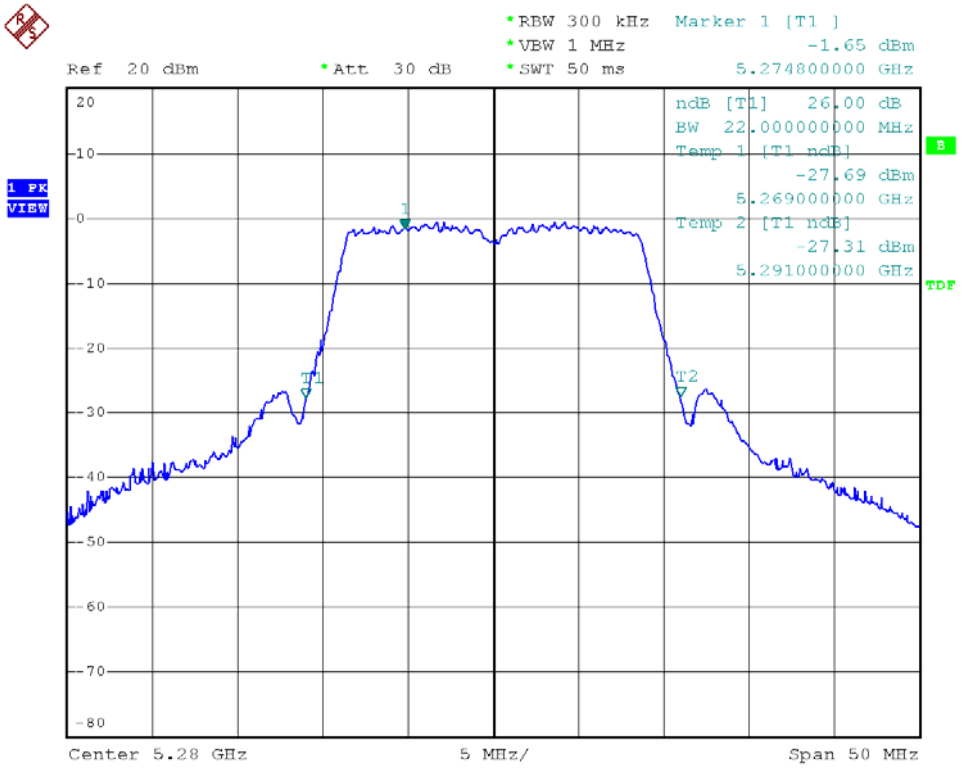
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 44



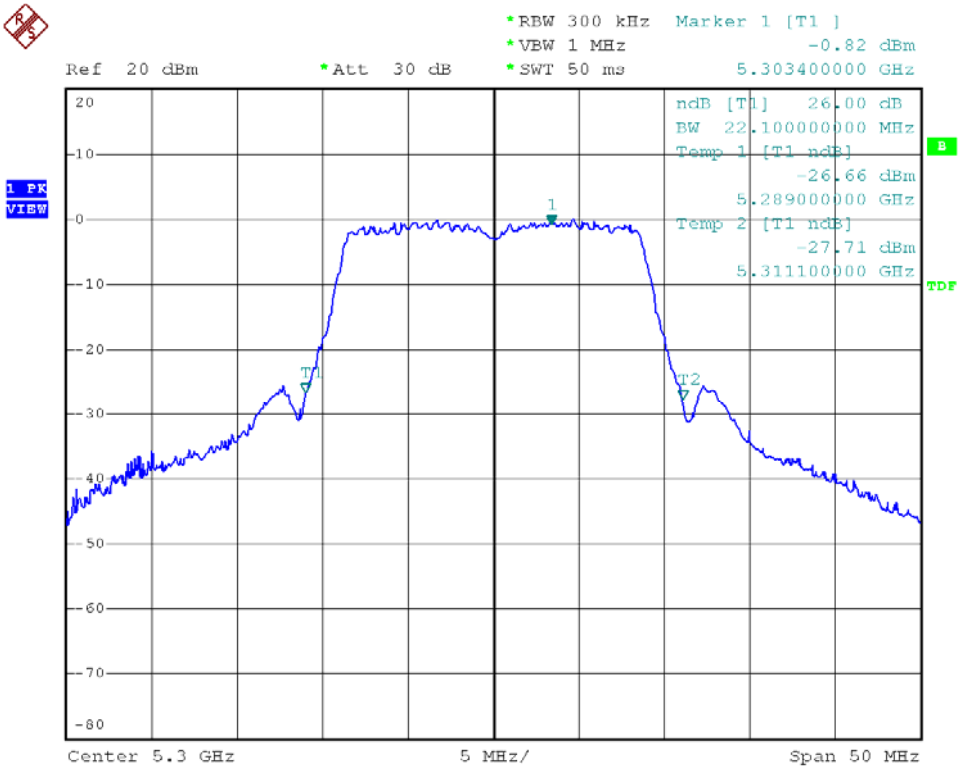
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 48



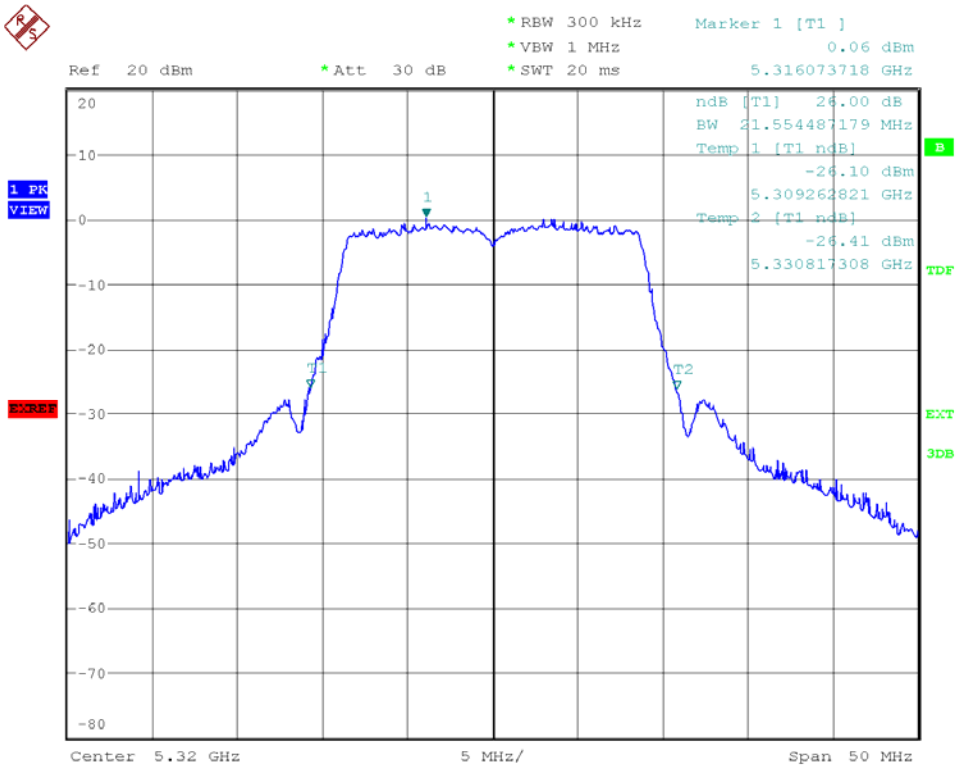
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 56



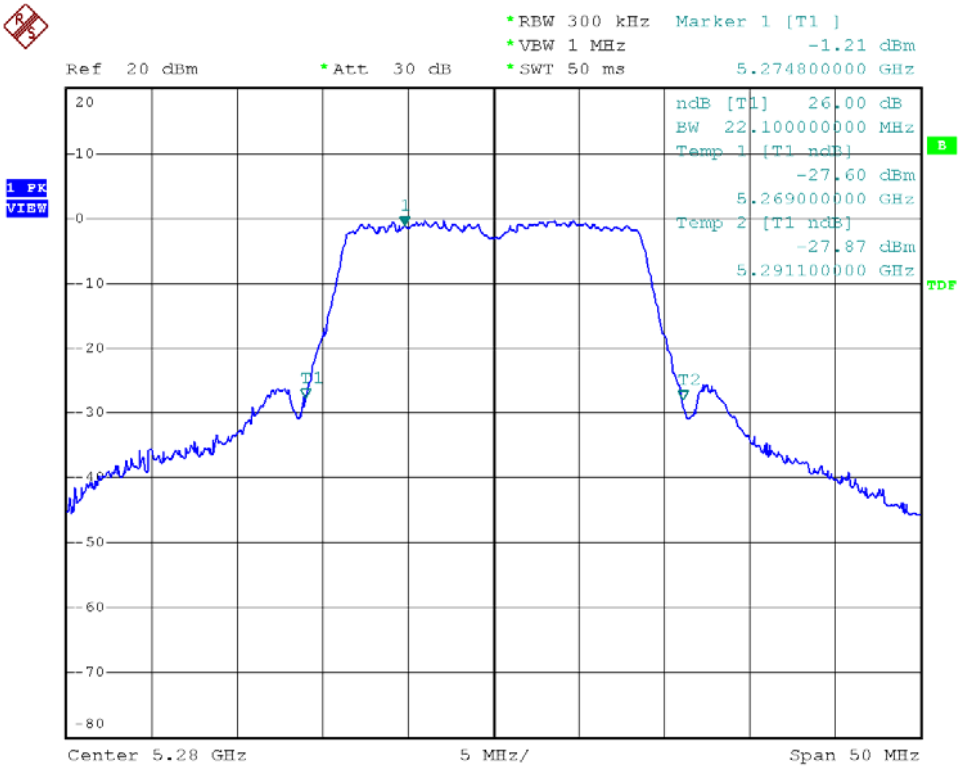
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 60



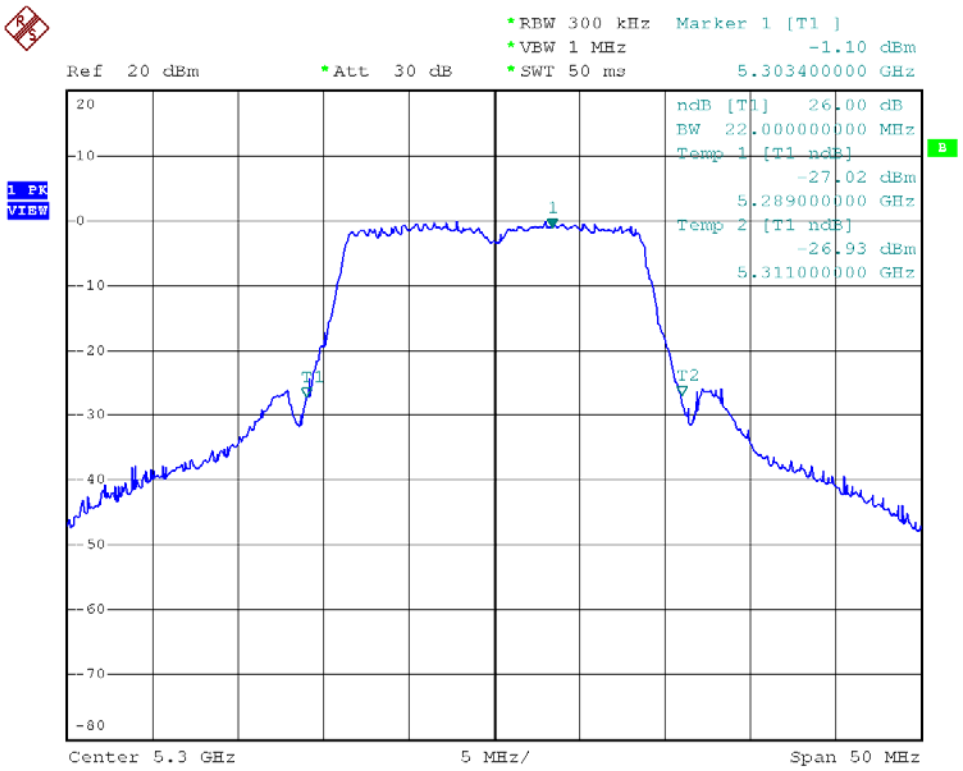
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 64



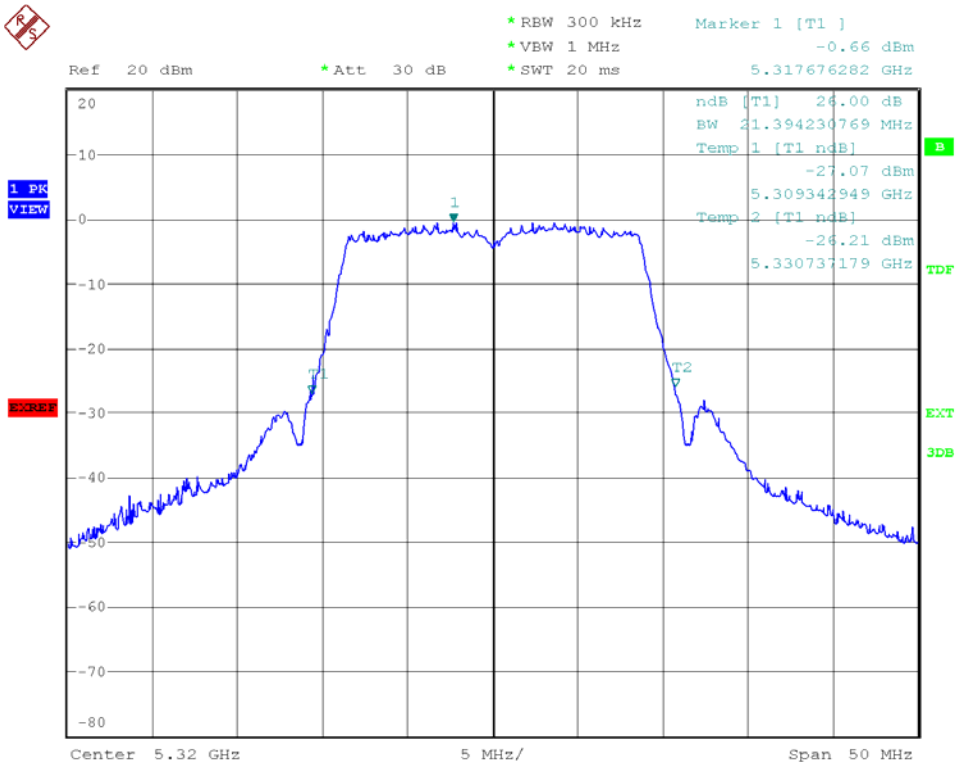
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 56



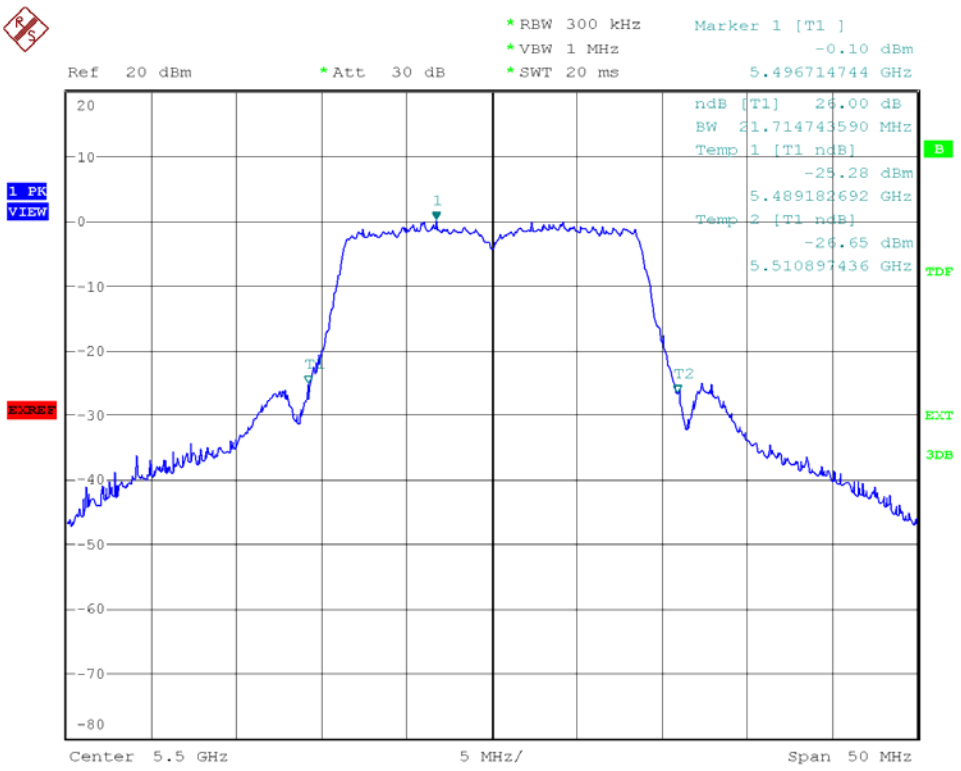
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 60



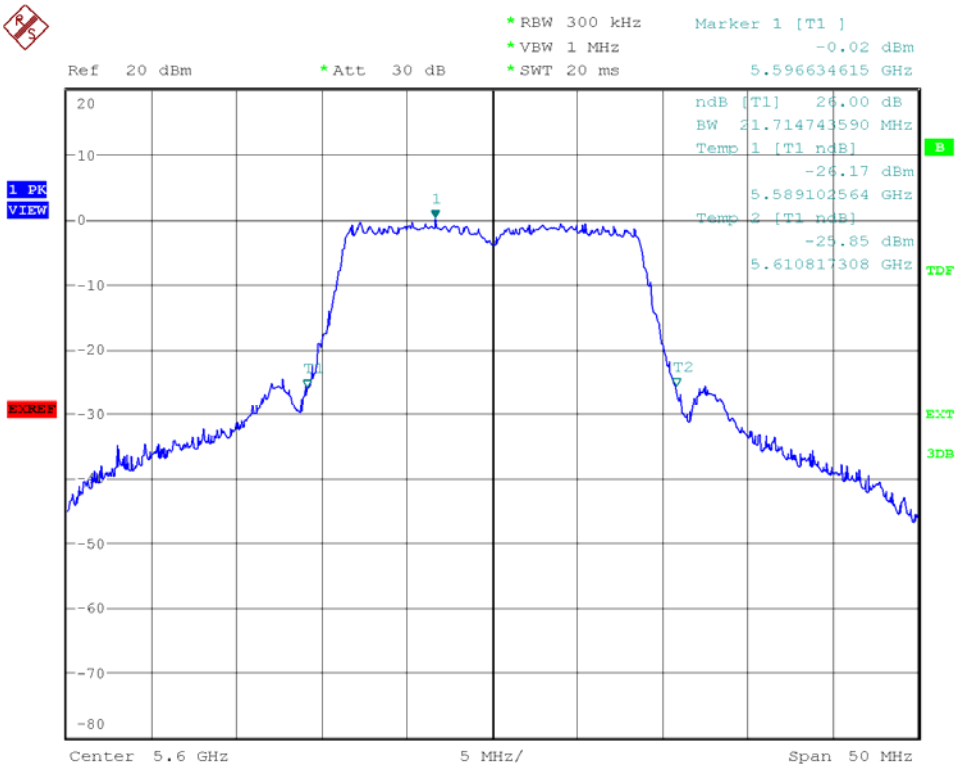
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 64



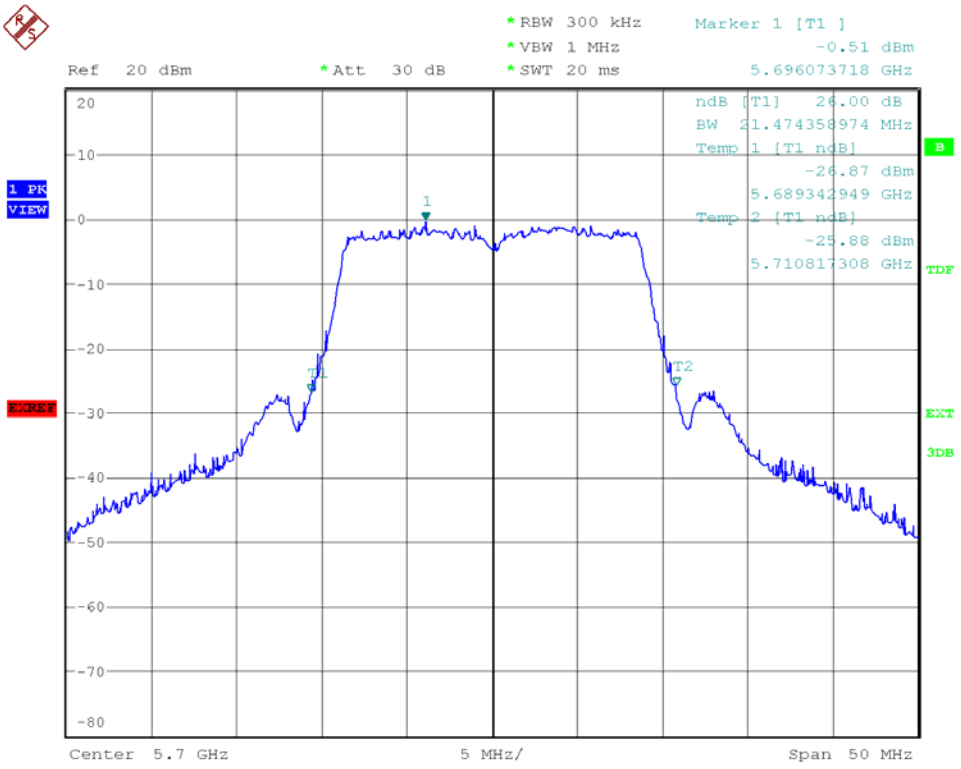
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 100



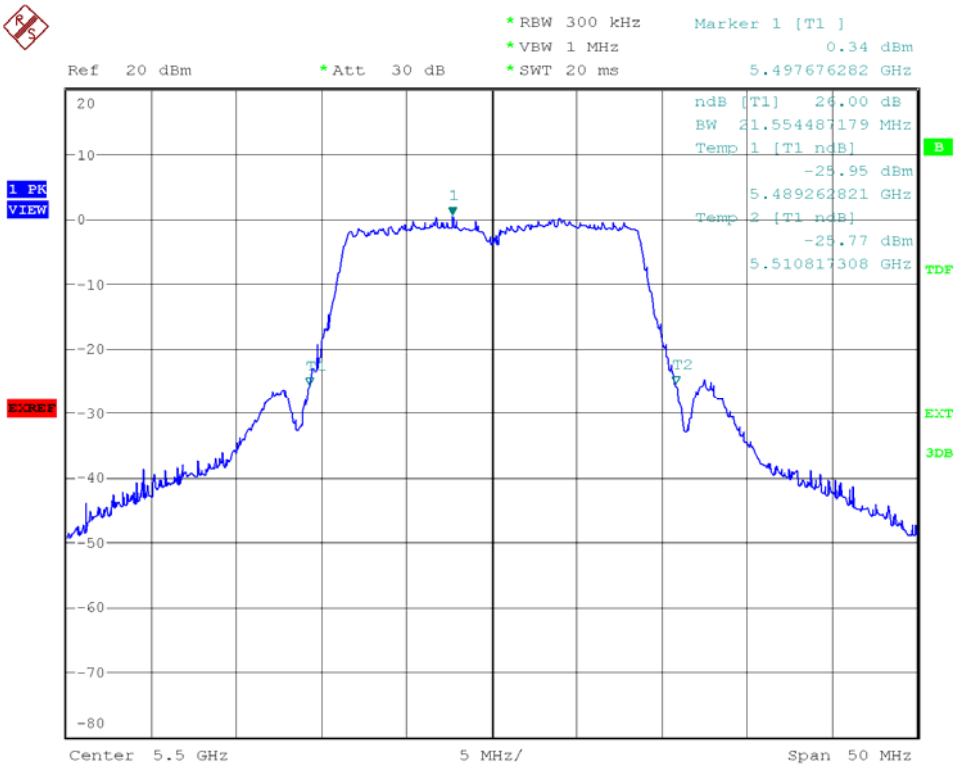
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 120



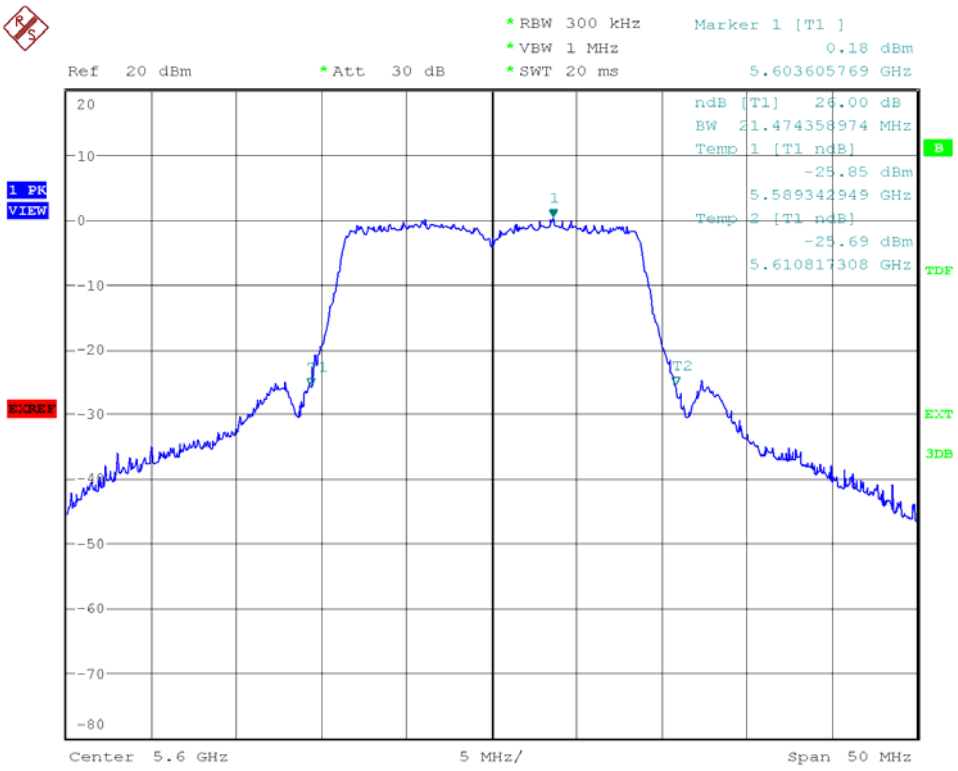
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 140



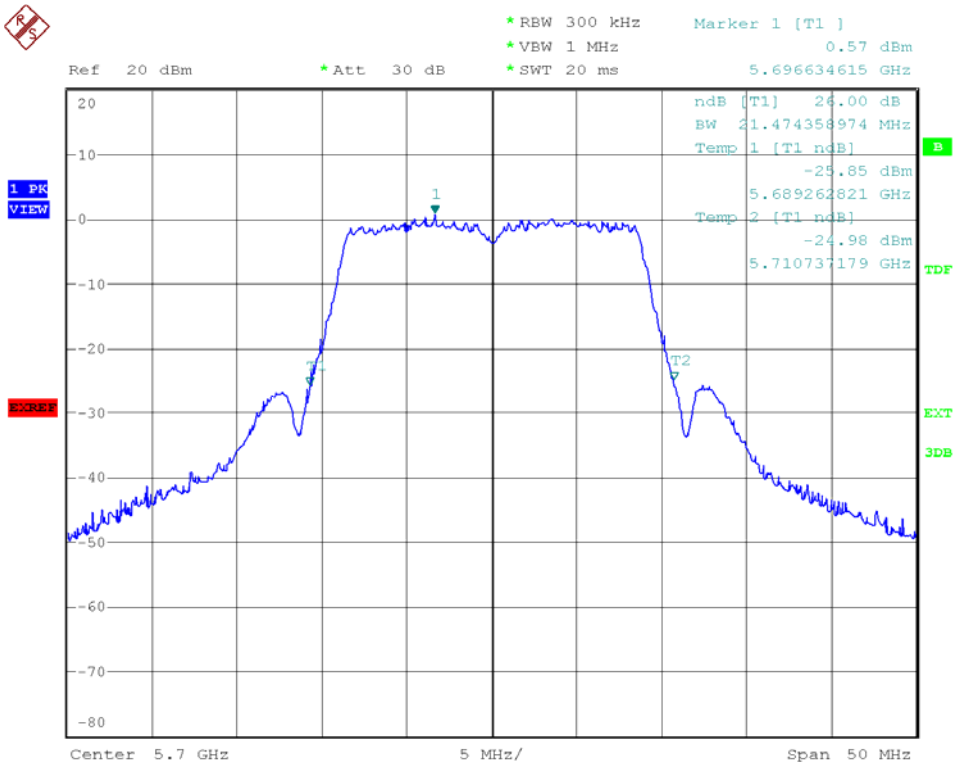
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 100



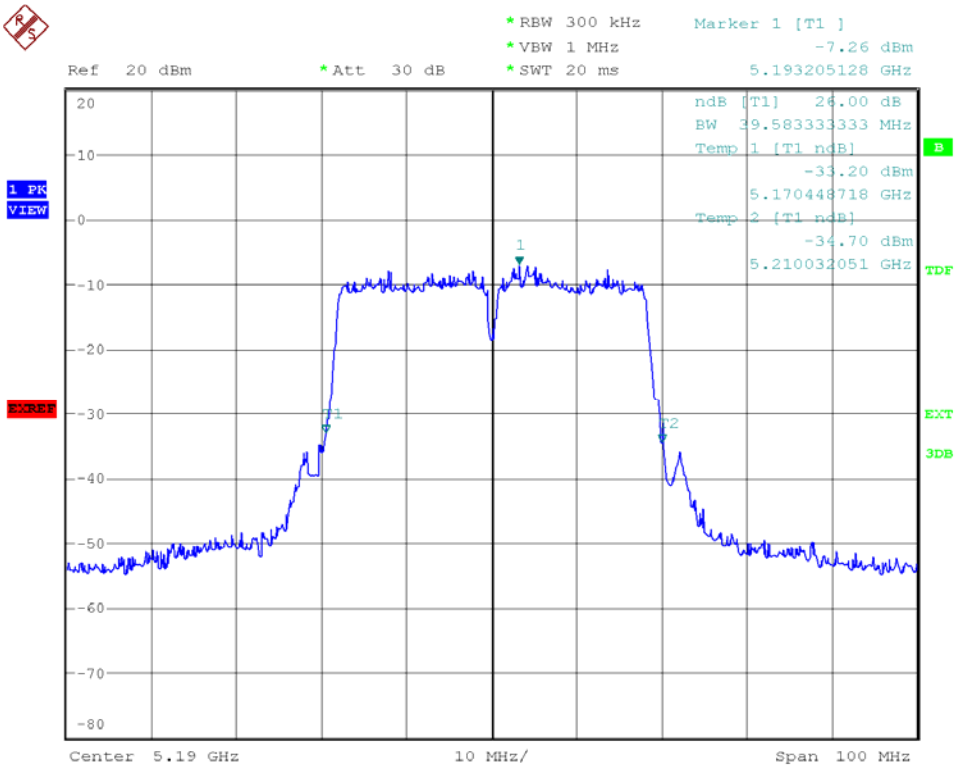
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 120



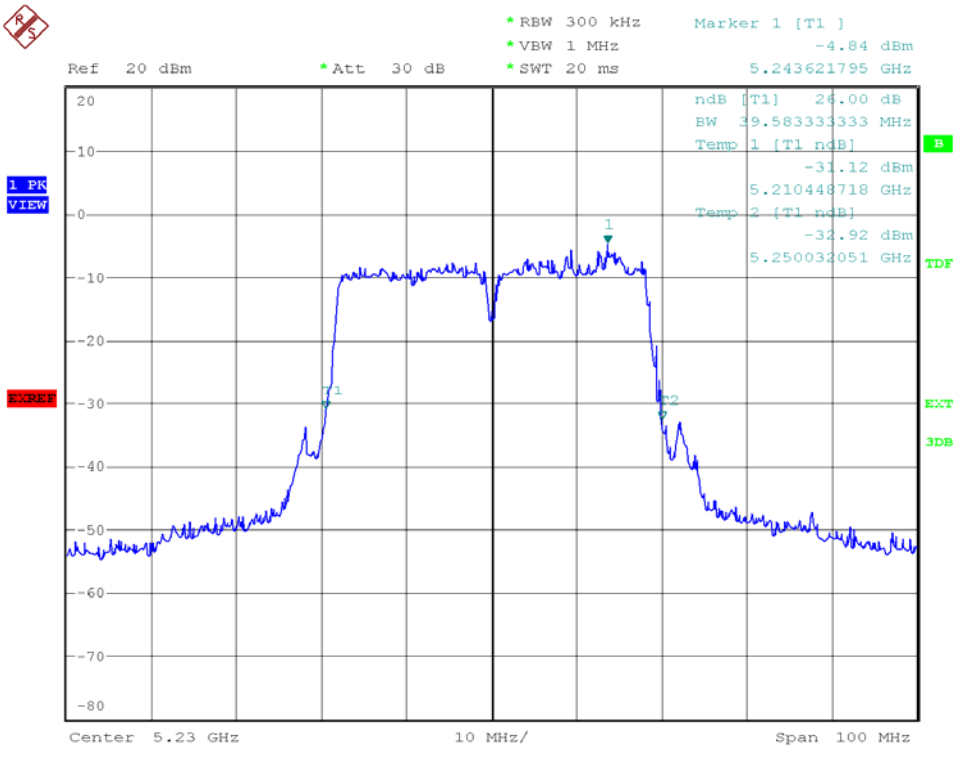
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 140



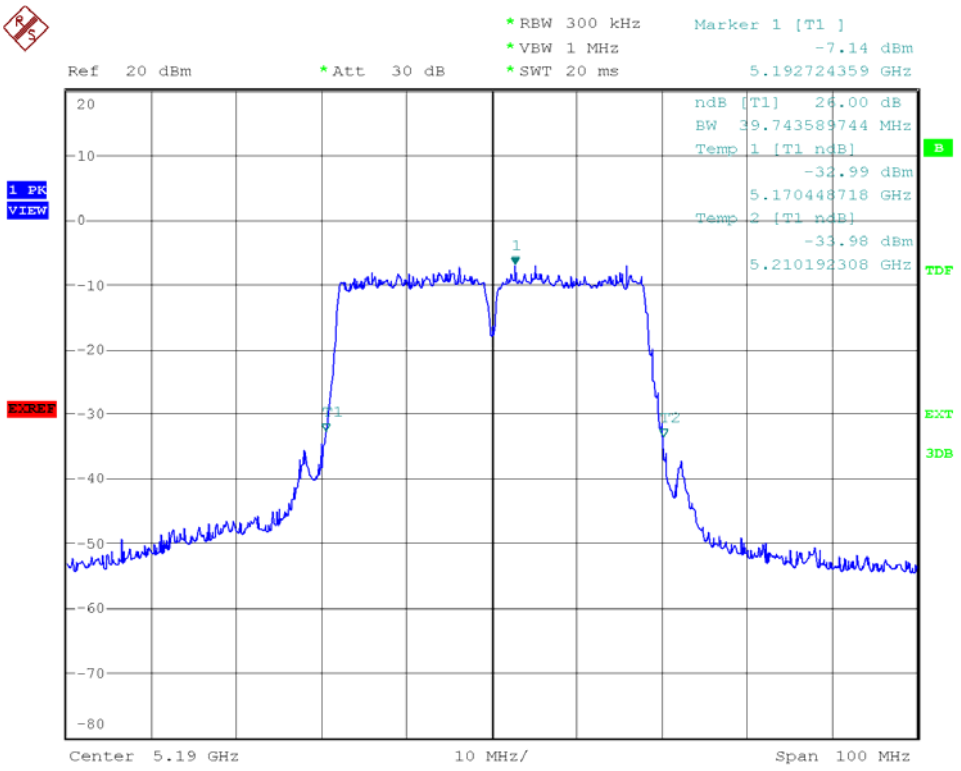
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 38



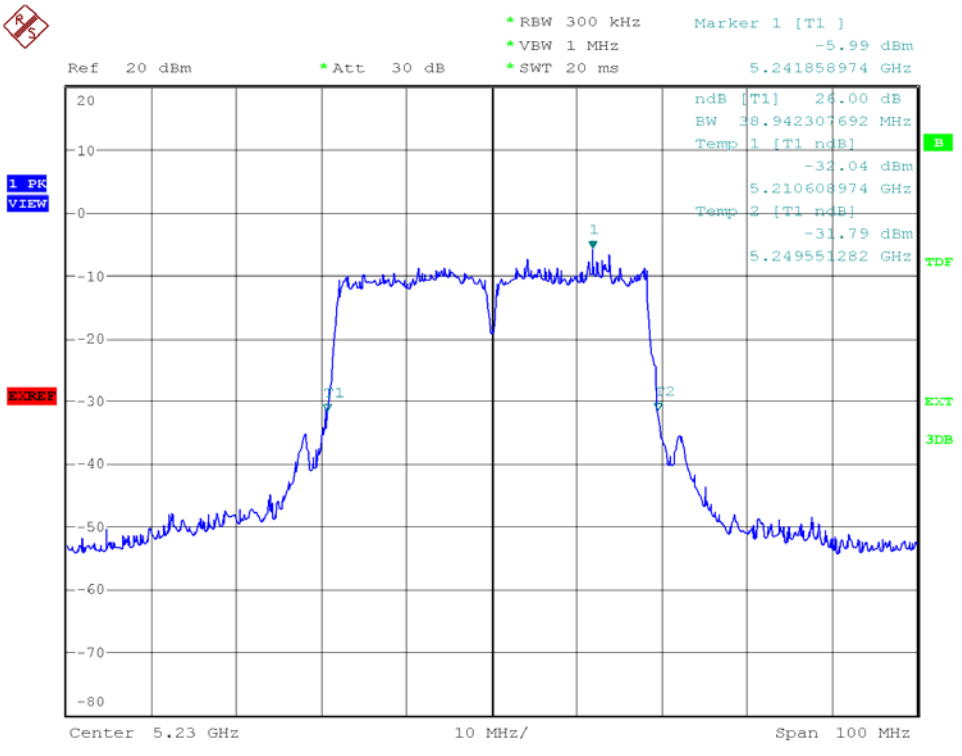
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 46



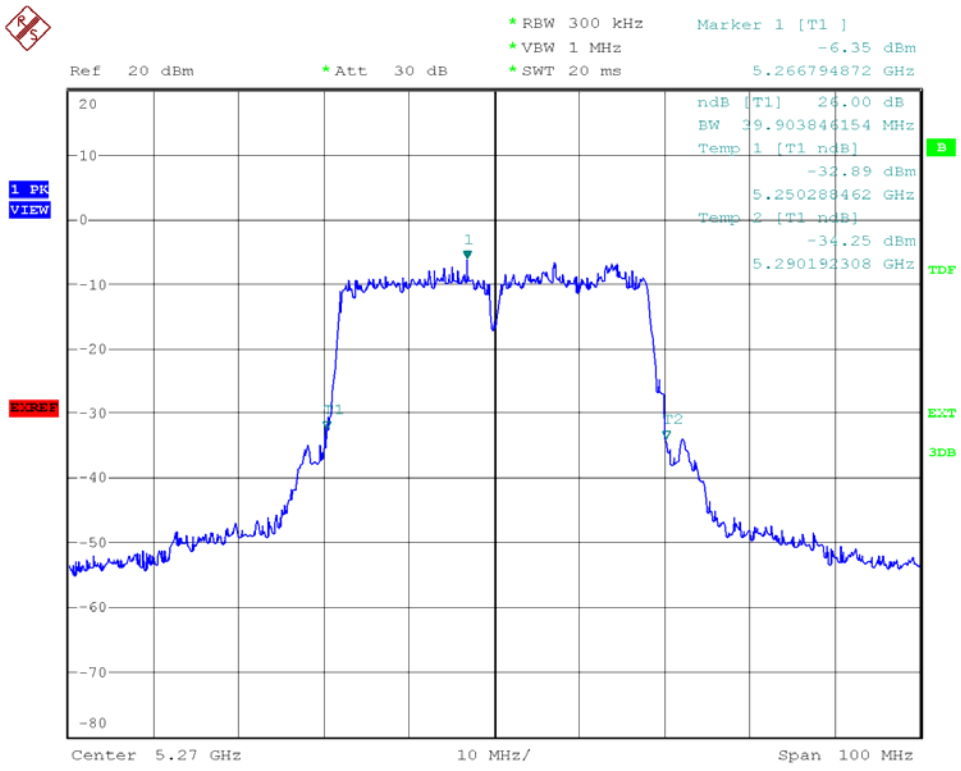
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 38



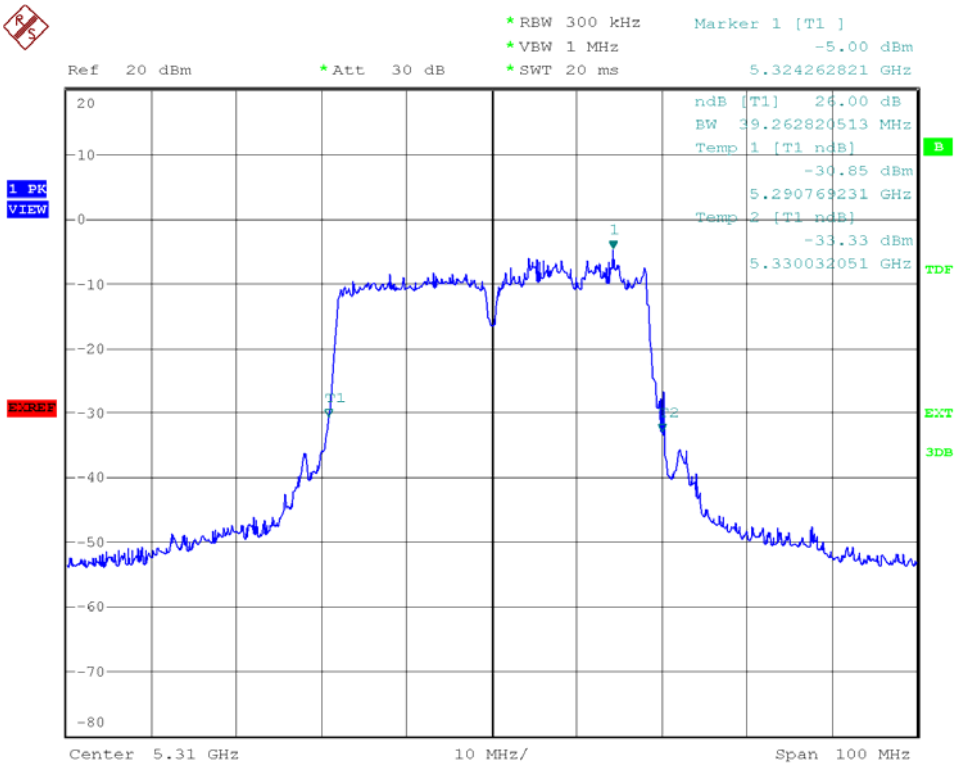
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 46



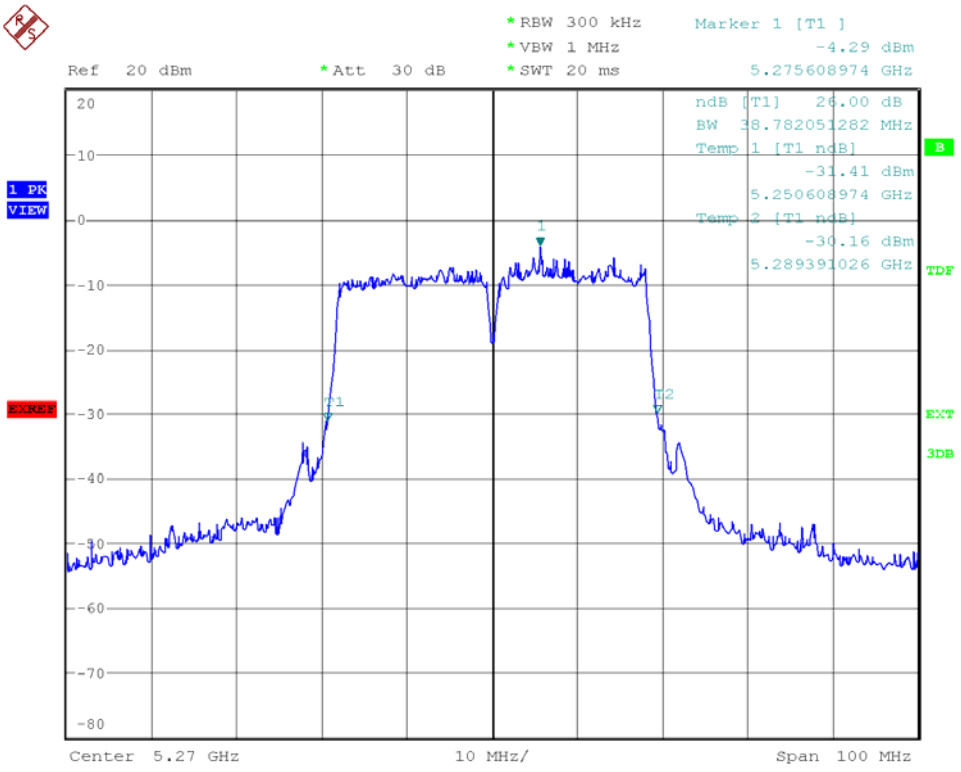
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 54



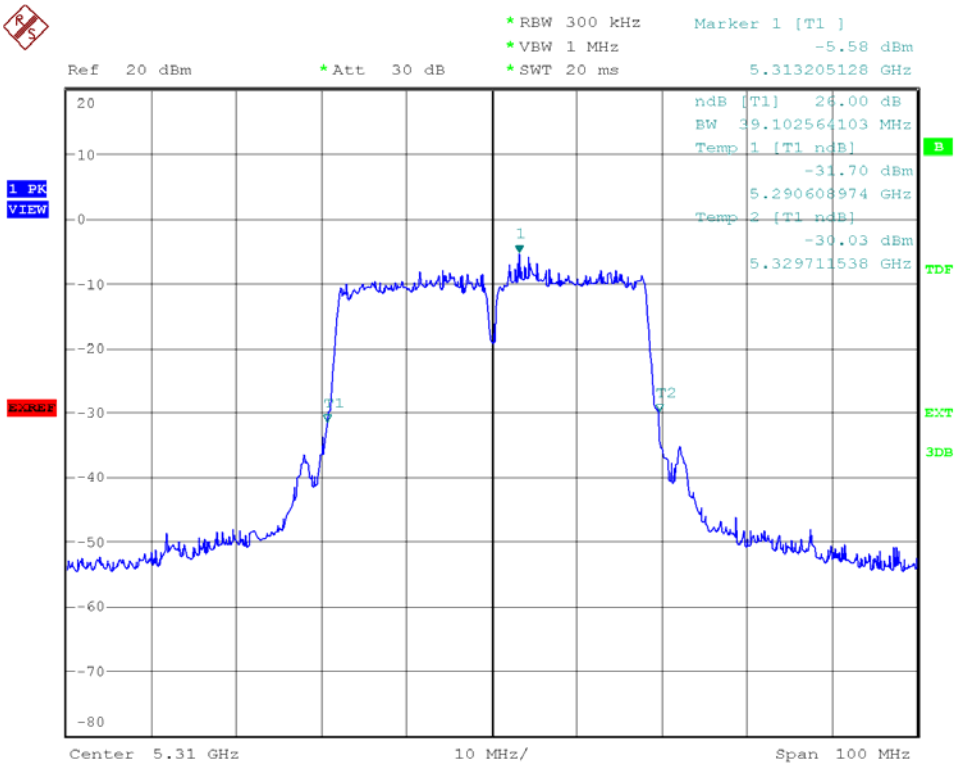
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 62



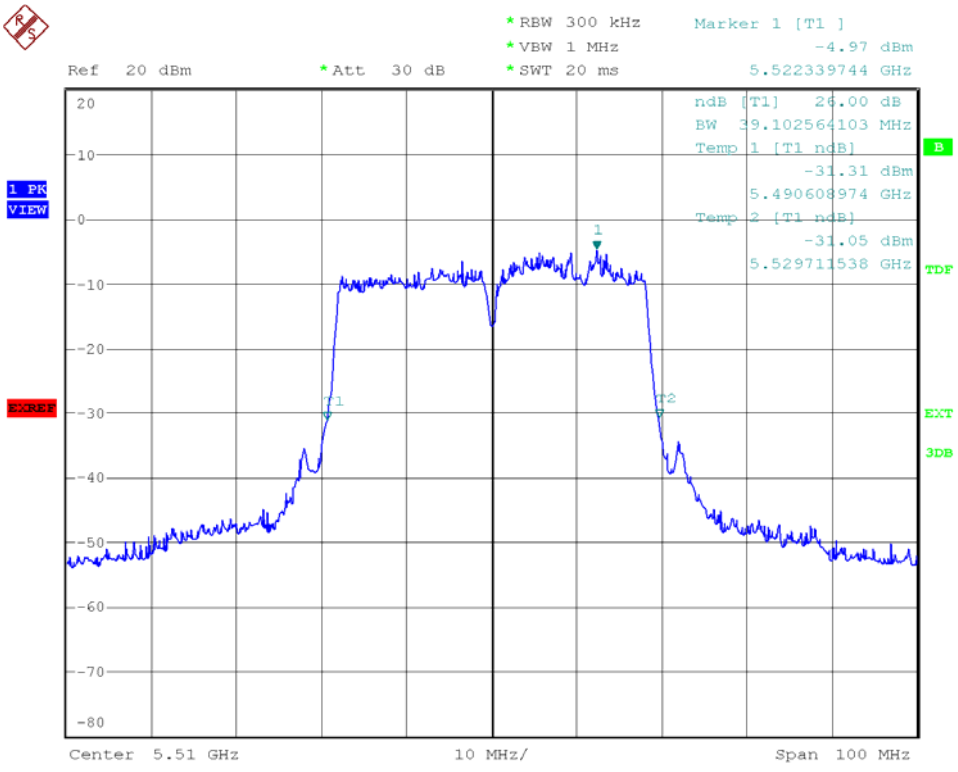
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 54



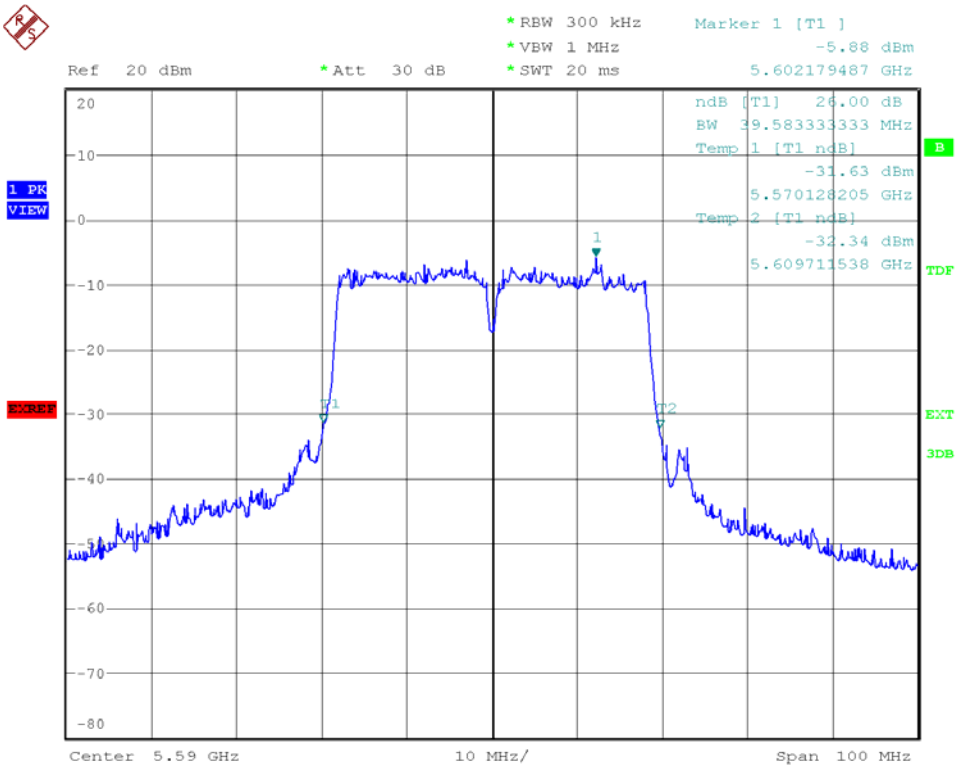
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 62



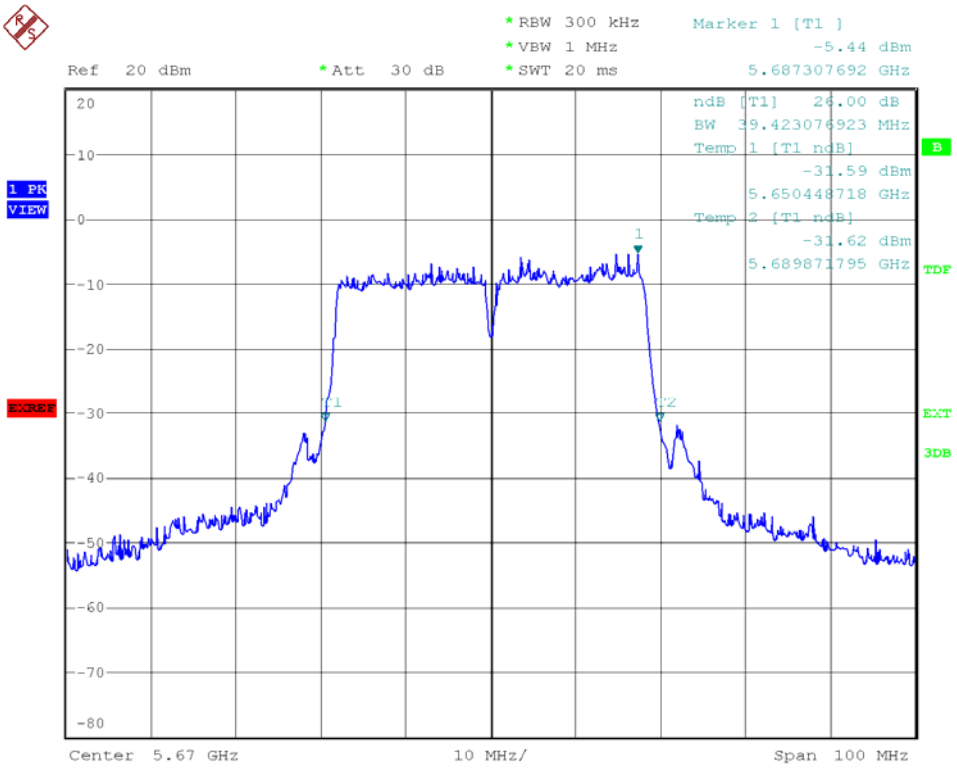
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 102



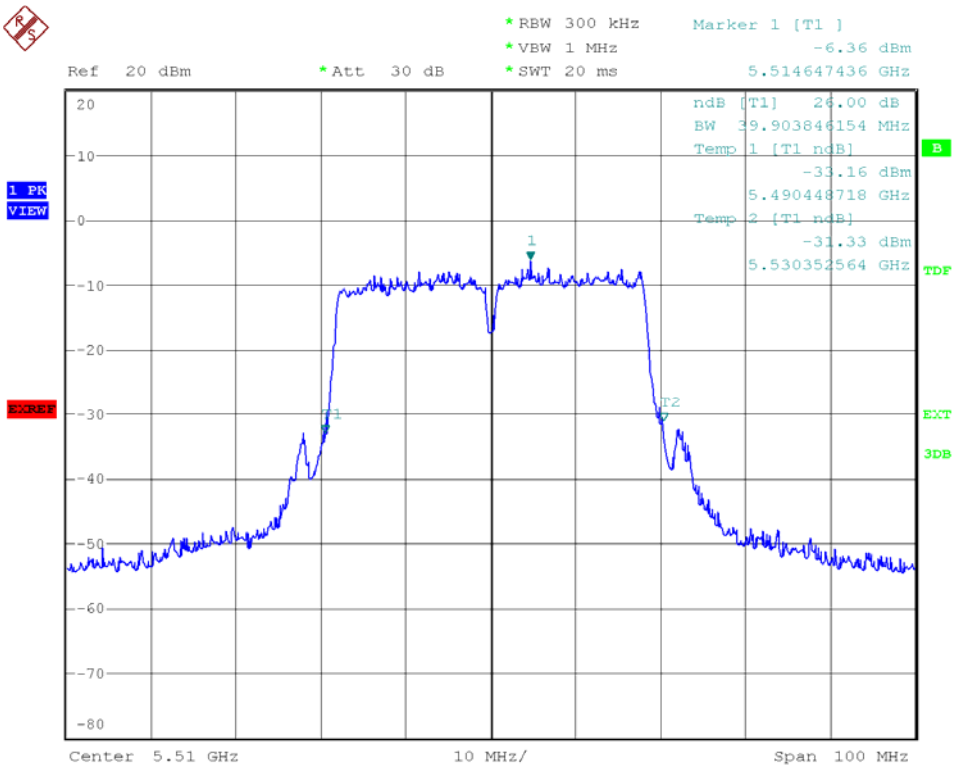
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 118



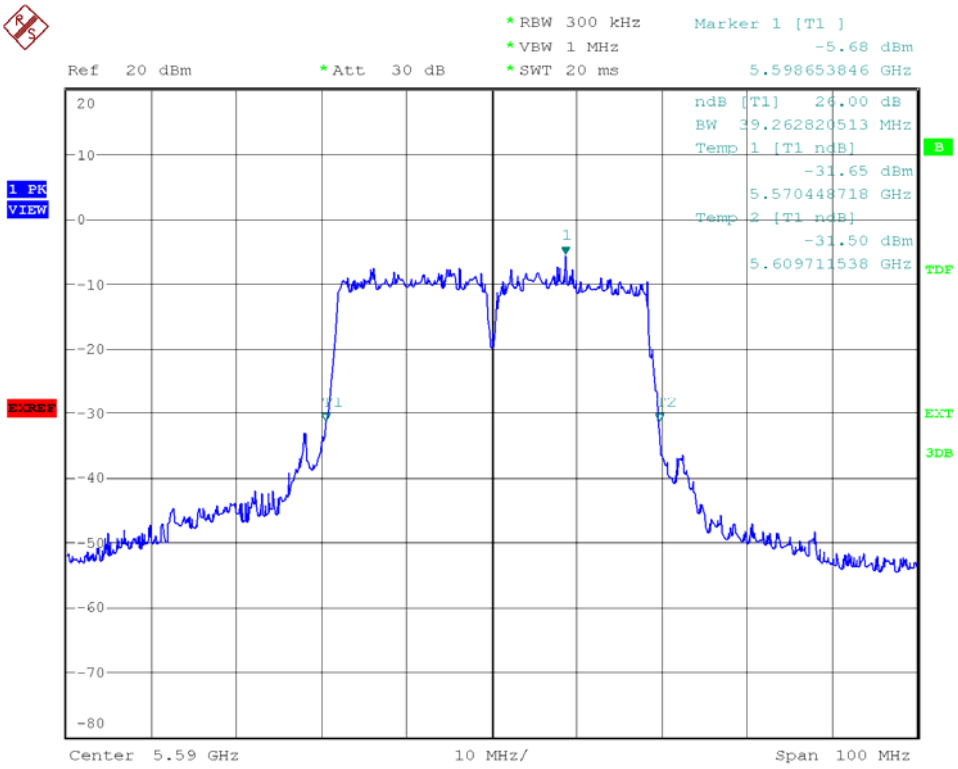
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 134



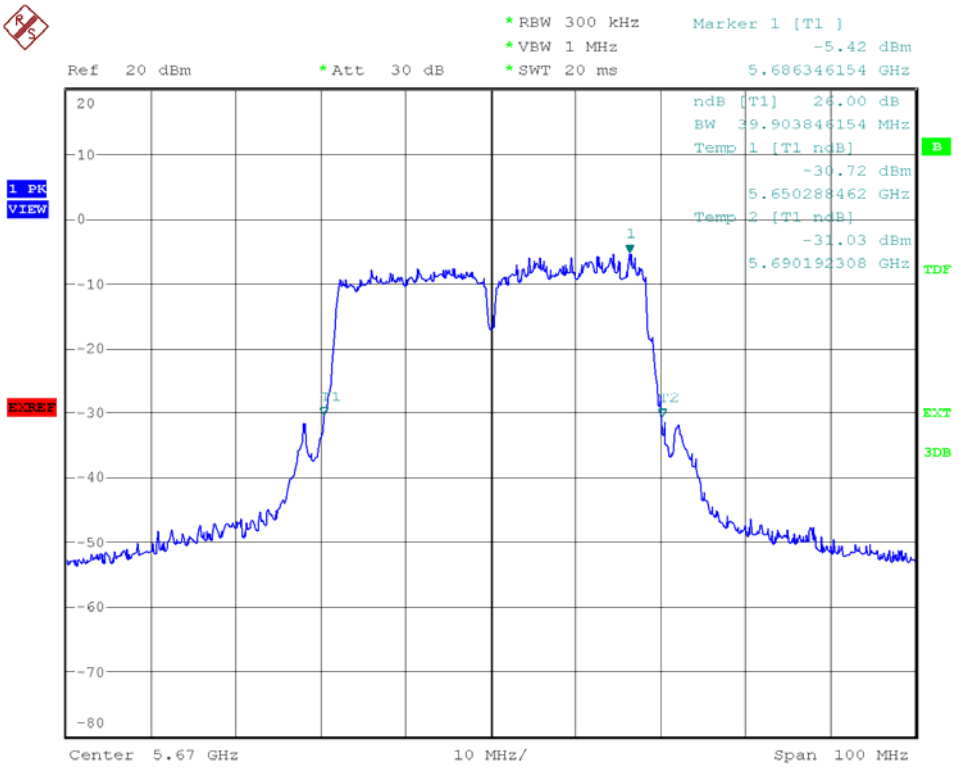
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 102



Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 118



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 134

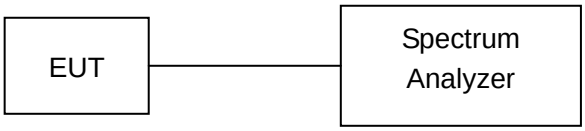


7. Peak Power Excursion

7.1. Test Procedure

1. The transmitter output was connected to the spectrum analyzer
2. Using Peak detector and max-hold function for Trace 1 MHz and VBW to 3 MHz for Trace 1. Using average detector for Trace 2.
3. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz for Trace 1.
4. Set RBW of spectrum analyzer to 1 MHz and VBW to 300 kHz for Trace 2.
5. The largest difference between Trace 1 and Trace 2 in any 1 MHz band on any frequency was recorded.

7.2. Test Setup Layout



7.3. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20

7.4. Test Result and Data

Test Date: Mar. 10, 2009 Temperature: 25℃

Atmospheric pressure: 1024 hPa Humidity: 48%

Modulation Standard: 802.11a (6Mbps)

Channel	Frequency (MHz)	Peak Power Output (dBm)		Limit (dB)
		Ant R	Ant L	
36	5180	12.48	12.77	13
44	5220	12.92	12.80	13
48	5240	12.25	12.63	13
56	5280	11.57	12.52	13
60	5300	11.73	11.05	13
64	5320	12.43	11.76	13
100	5500	12.07	11.74	13
120	5600	11.53	11.17	13
140	5700	11.57	12.02	13

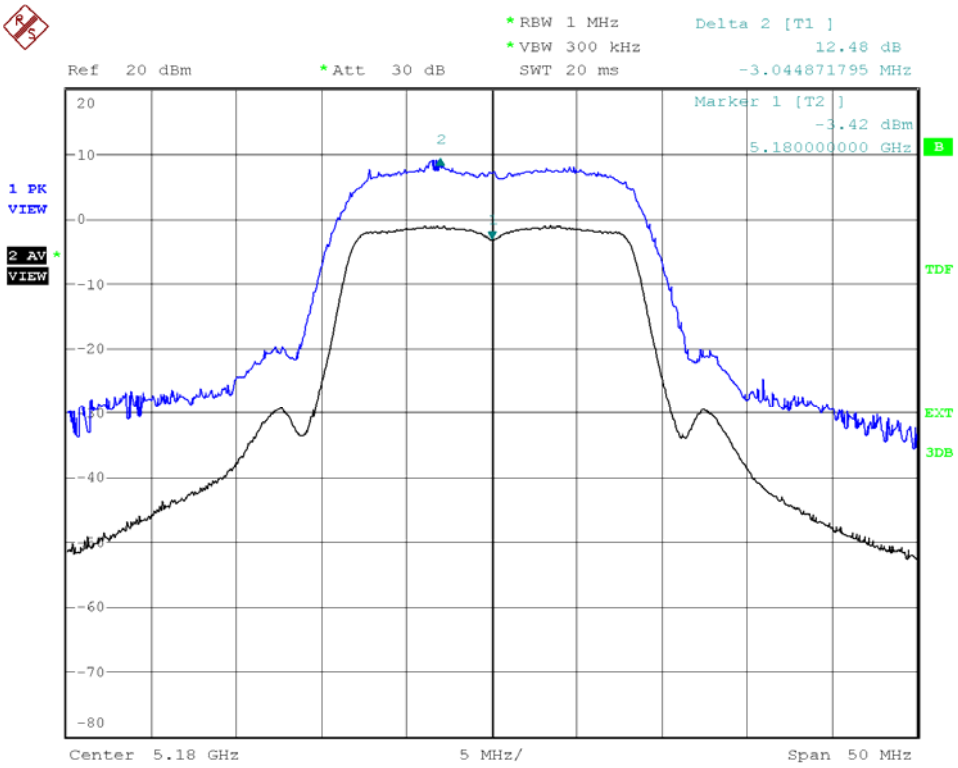
Modulation Standard: 802.11an HT20 (130Mbps)

Channel	Frequency (MHz)	Peak Power Output (dBm)		Limit (dB)
		Ant R	Ant L	
36	5180	12.06	11.55	13
44	5220	12.30	12.35	13
48	5240	11.91	11.54	13
56	5280	11.75	11.80	13
60	5300	11.97	11.22	13
64	5320	11.61	12.01	13
100	5500	12.10	12.16	13
120	5600	12.07	11.47	13
140	5700	11.64	11.95	13

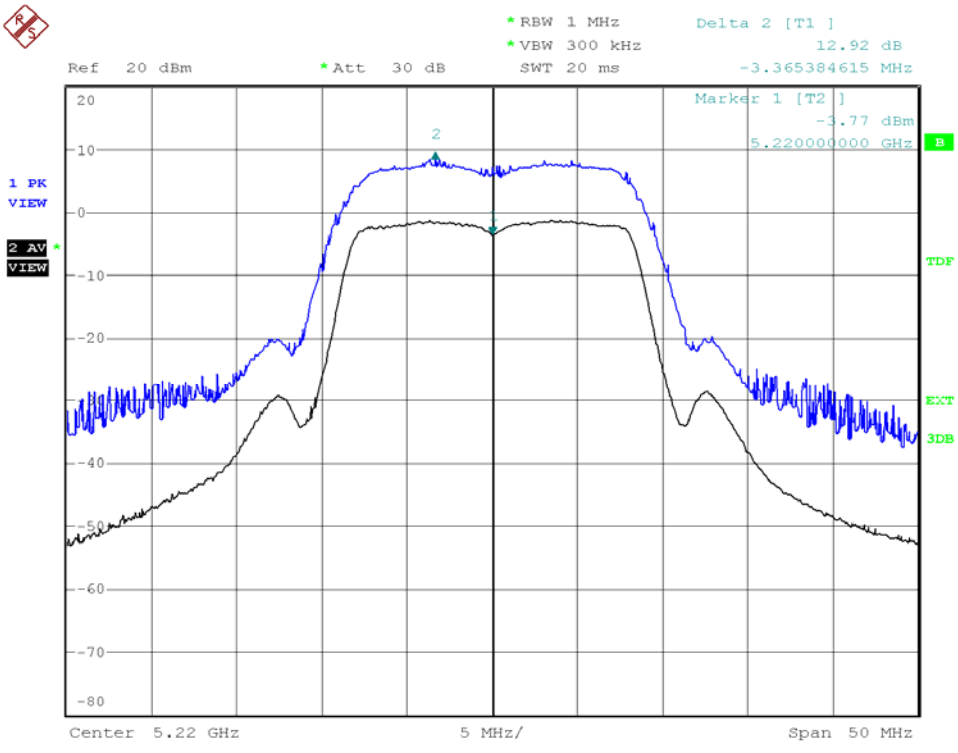
Modulation Standard: 802.11an HT40 (270Mbps)

Channel	Frequency (MHz)	Peak Power Output (dBm)		Limit (dB)
		Ant R	Ant L	
38	5190	12.49	11.56	13
46	5230	11.52	11.82	13
54	5270	11.64	11.42	13
62	5310	10.90	11.65	13
102	5510	12.07	12.35	13
118	5590	11.69	11.84	13
134	5670	12.04	11.58	13

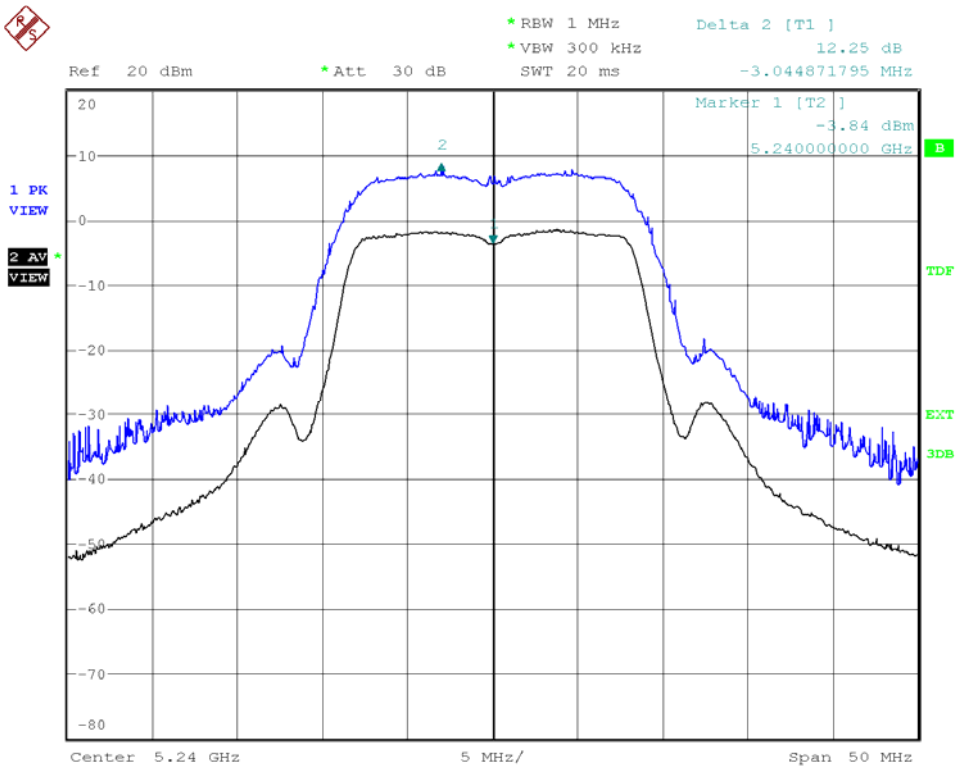
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 36



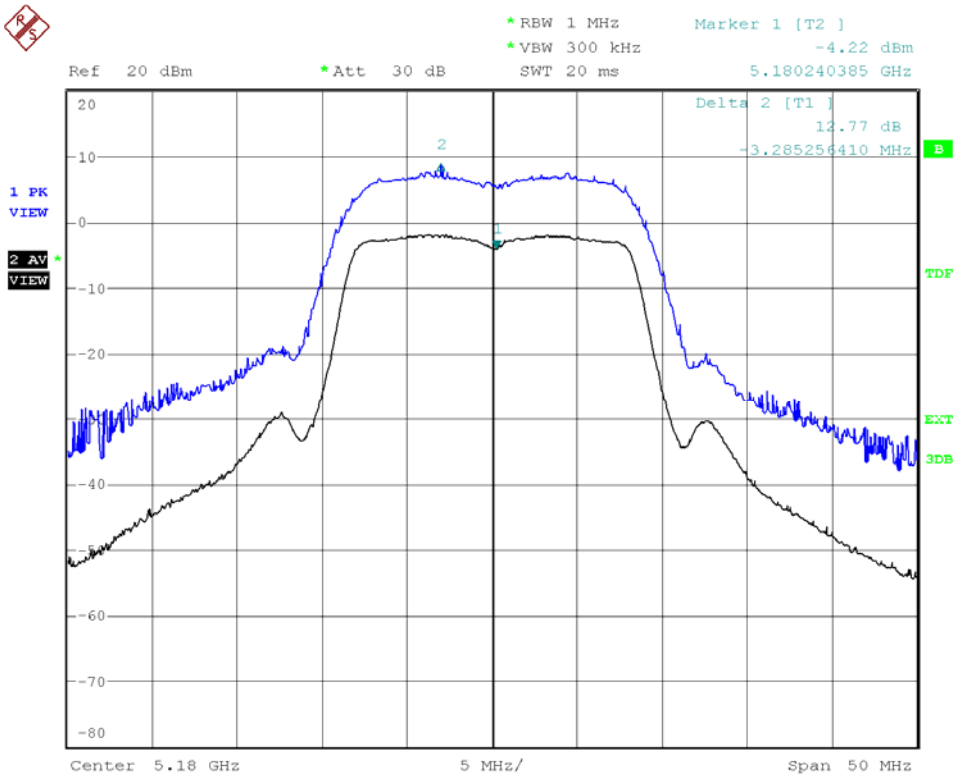
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 44



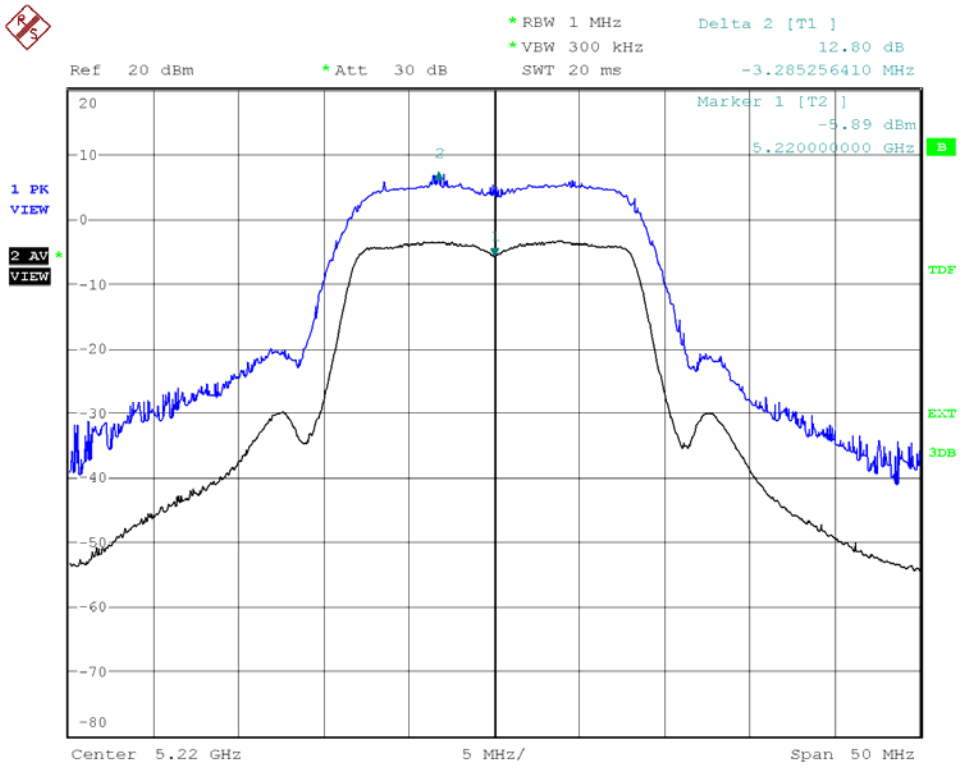
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 48



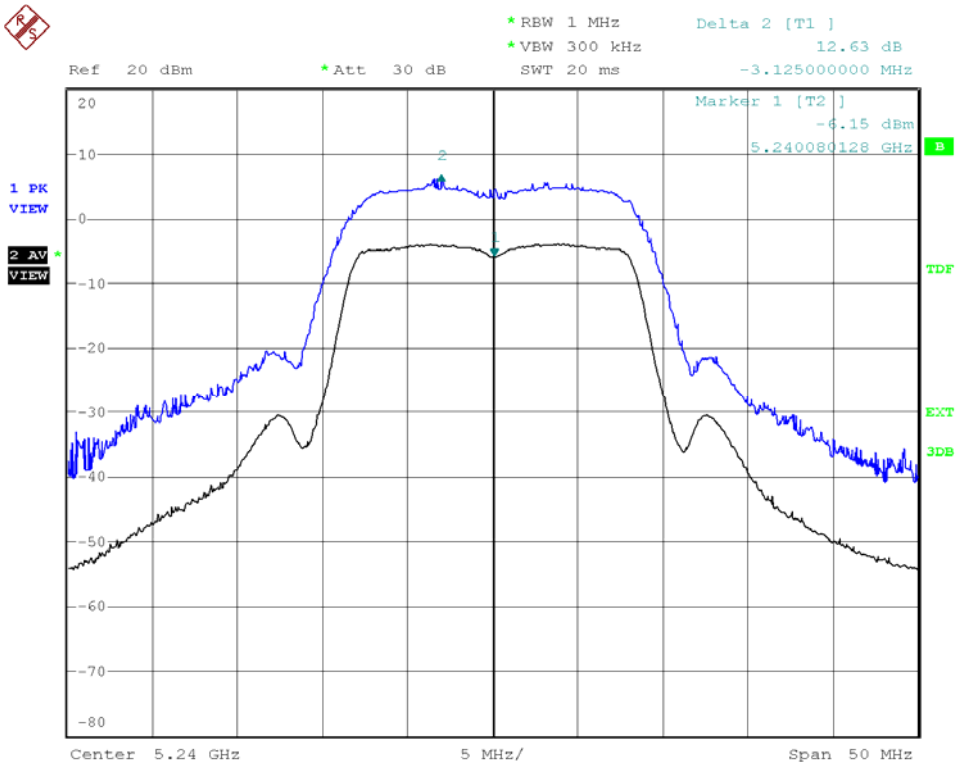
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 36



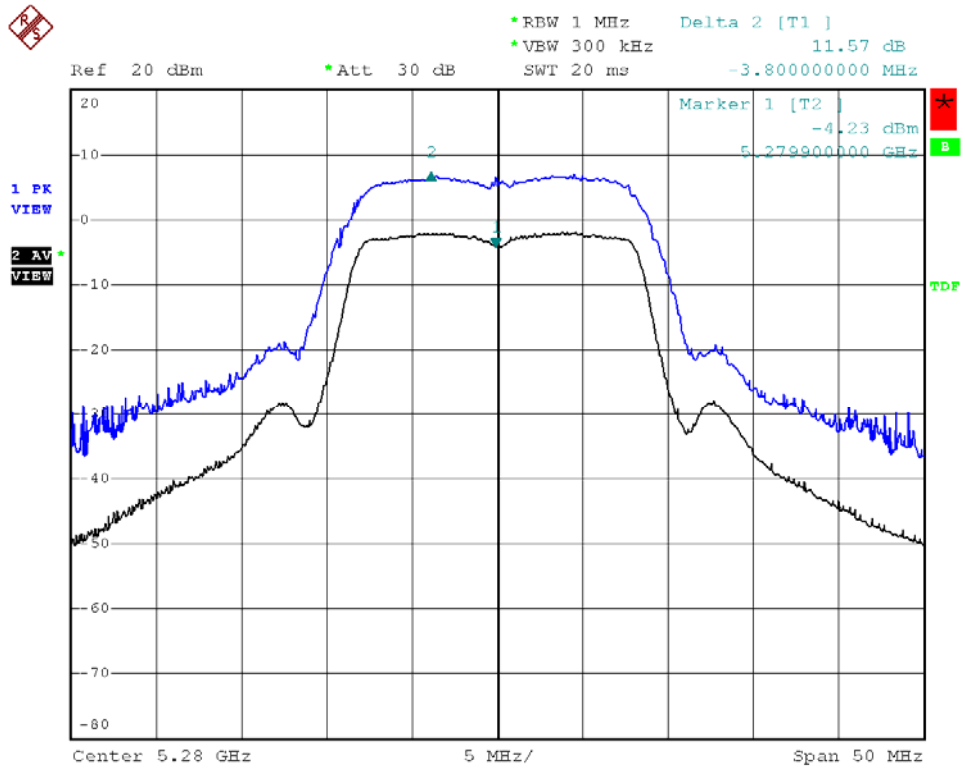
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 44



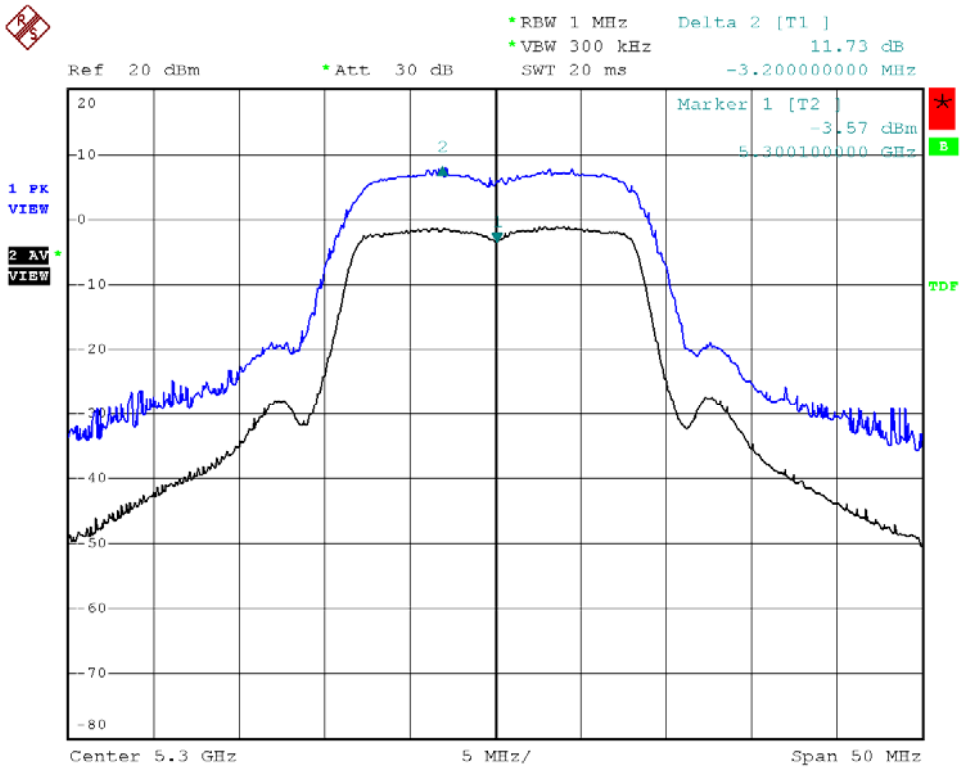
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 48



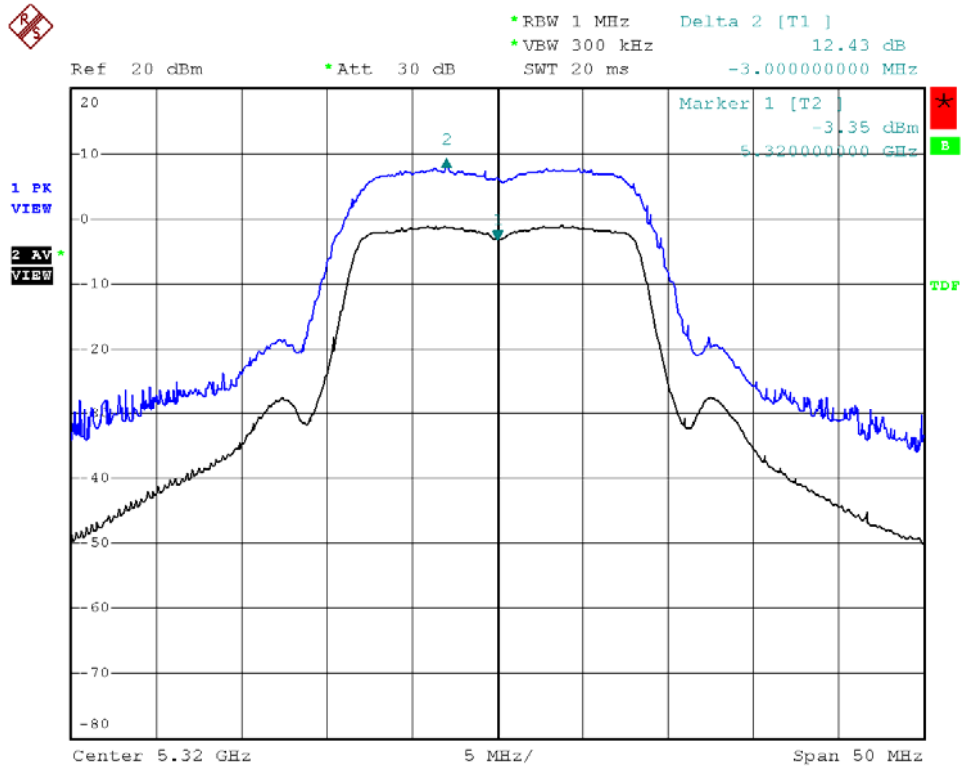
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 56



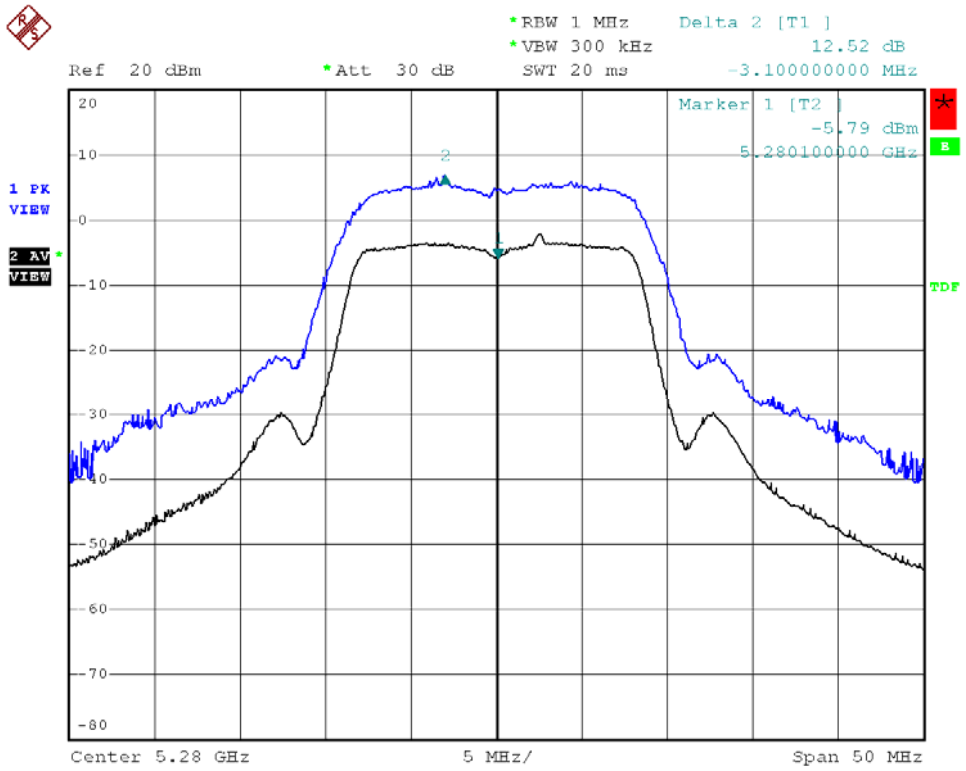
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 60



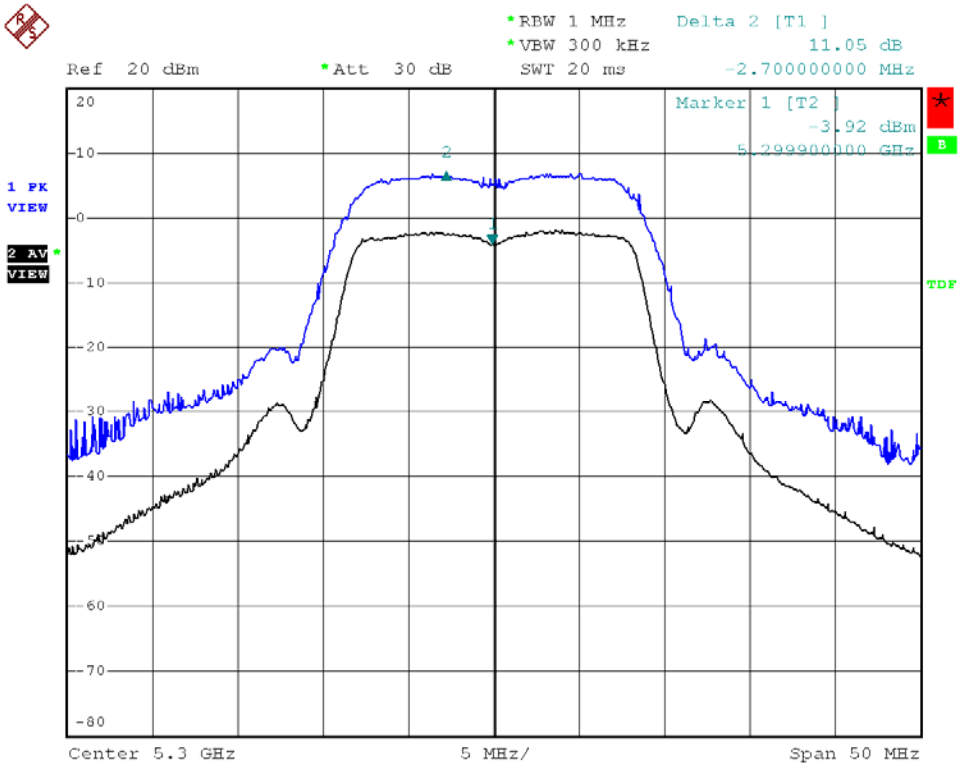
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 64



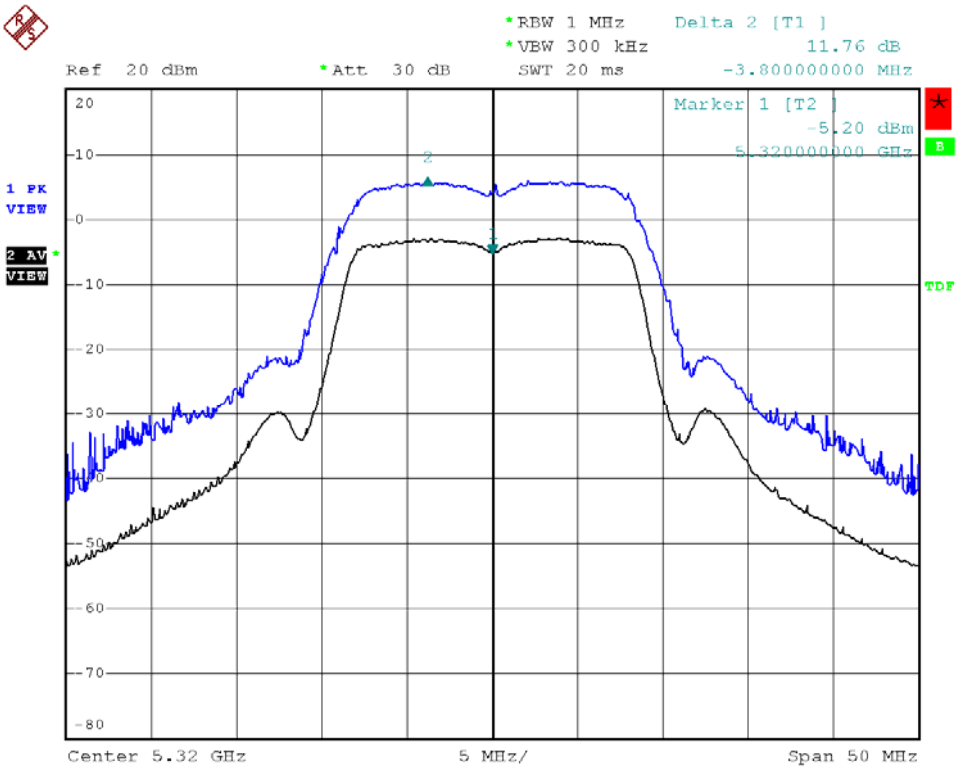
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 56



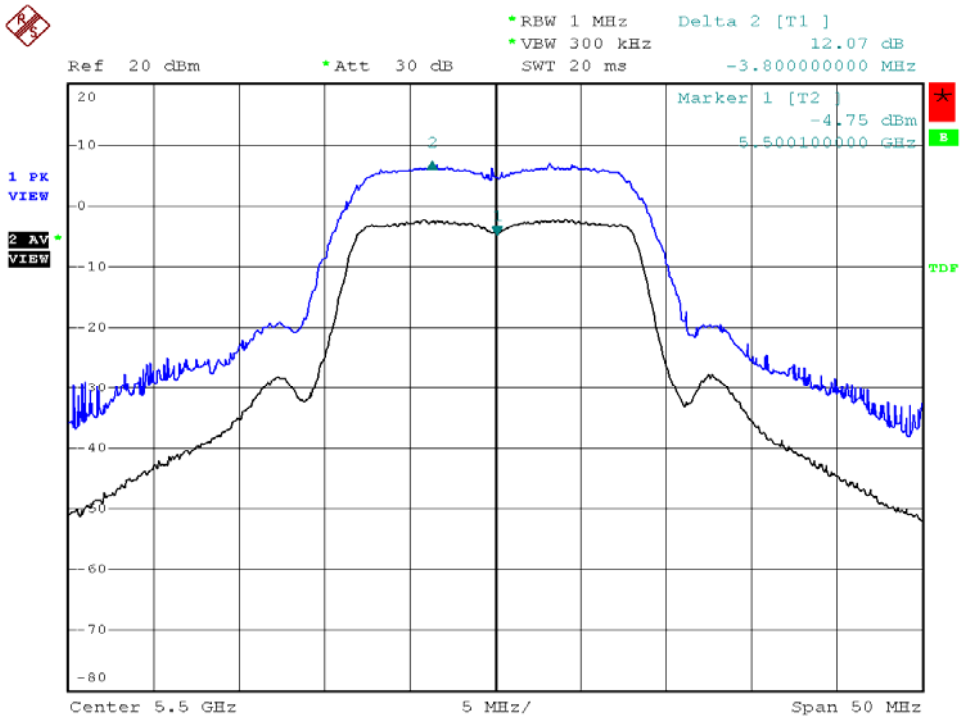
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 60



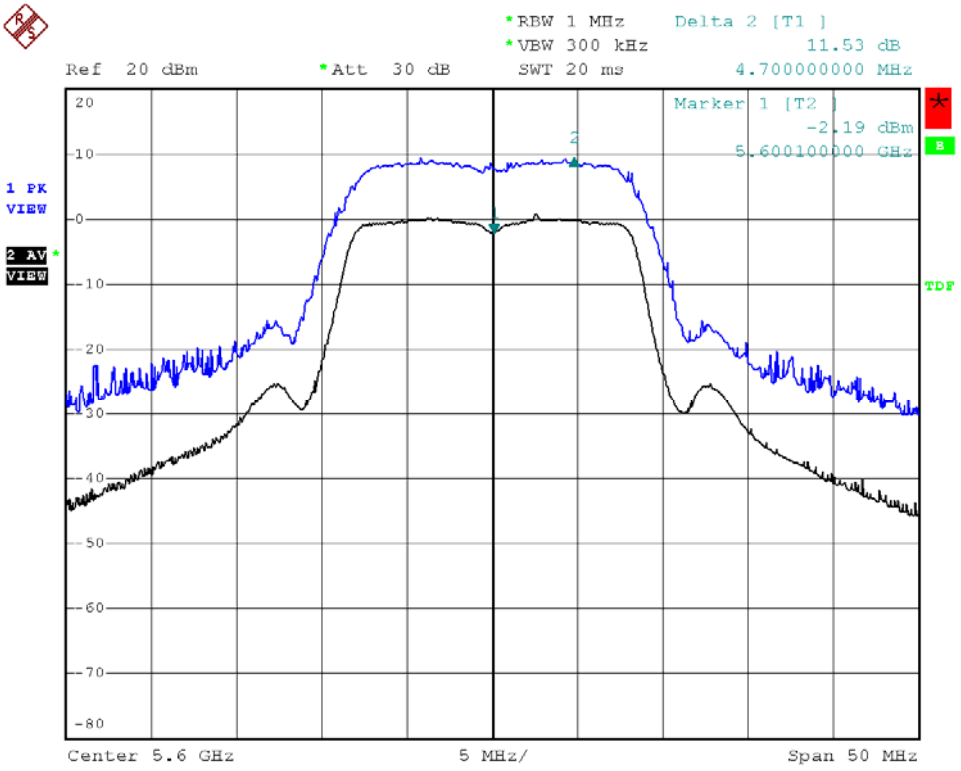
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 64



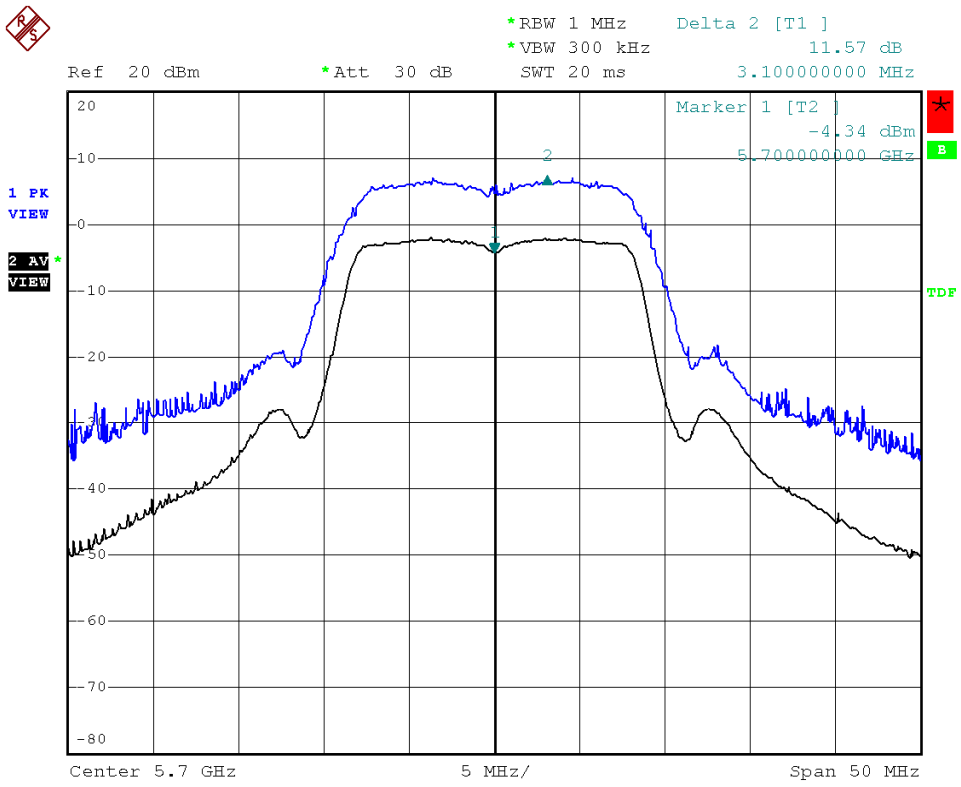
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 100



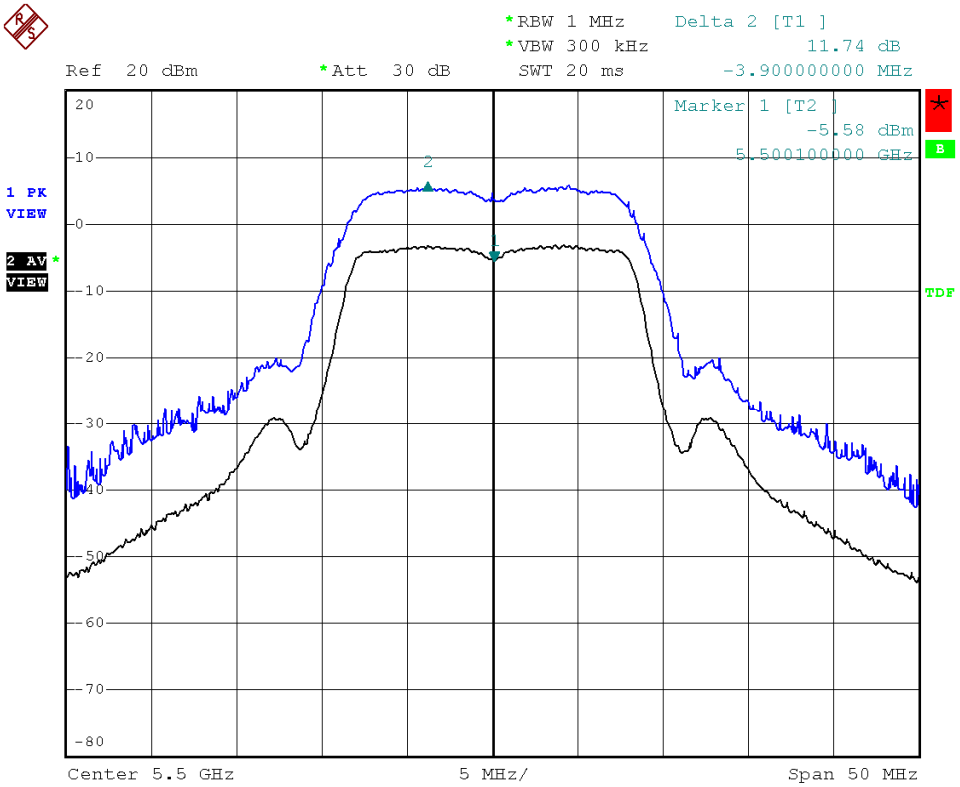
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 120



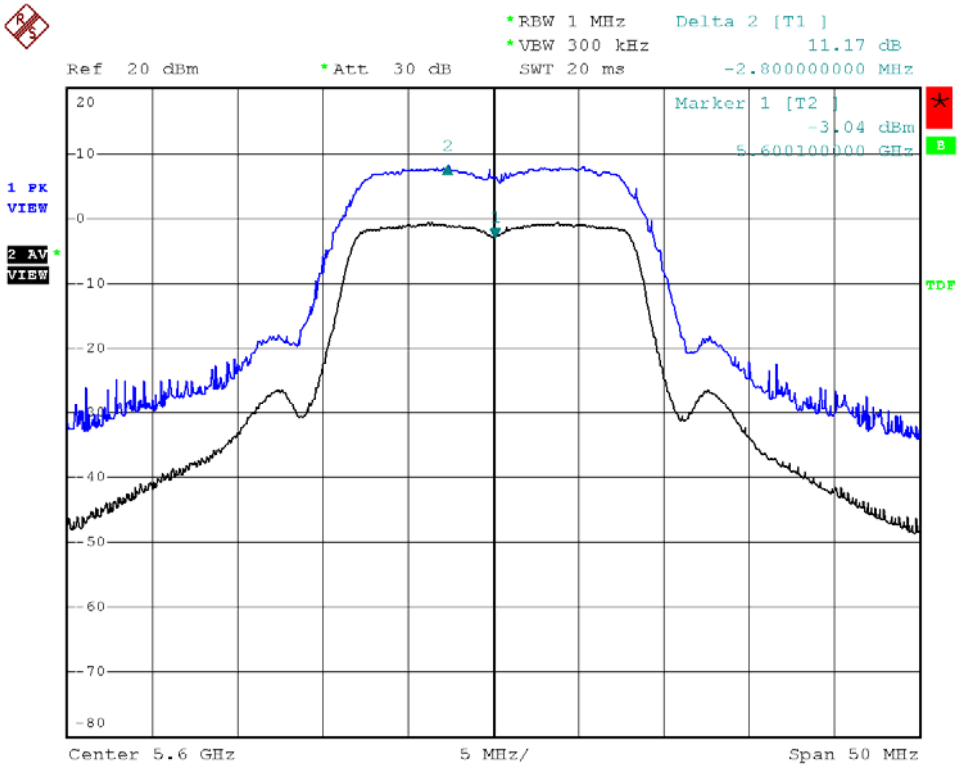
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 140



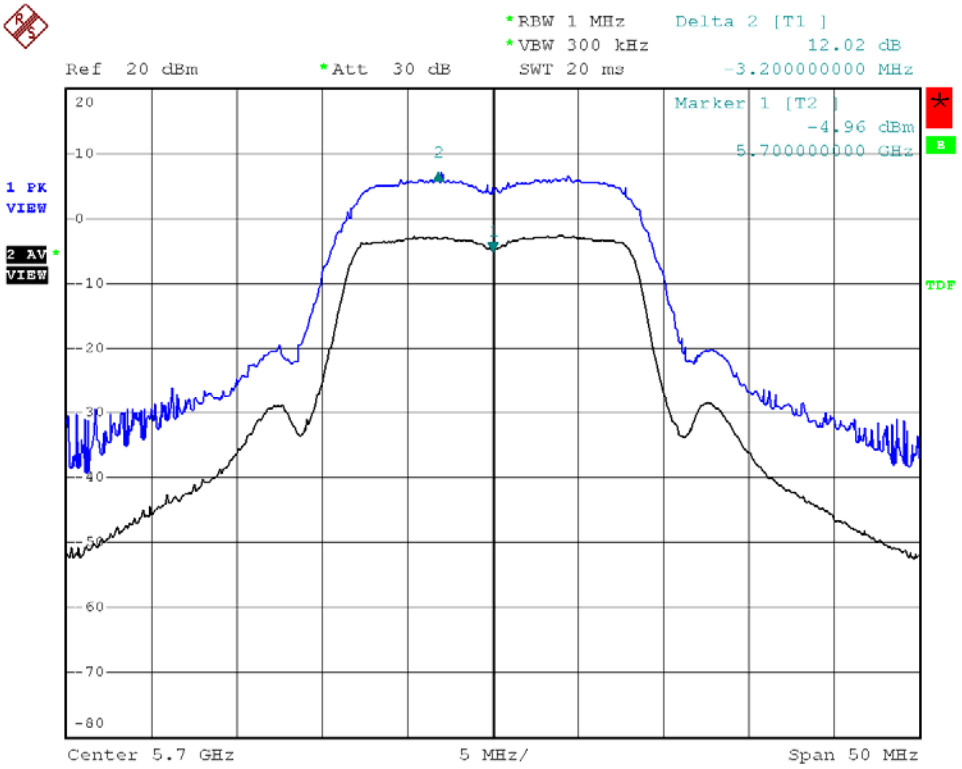
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 100



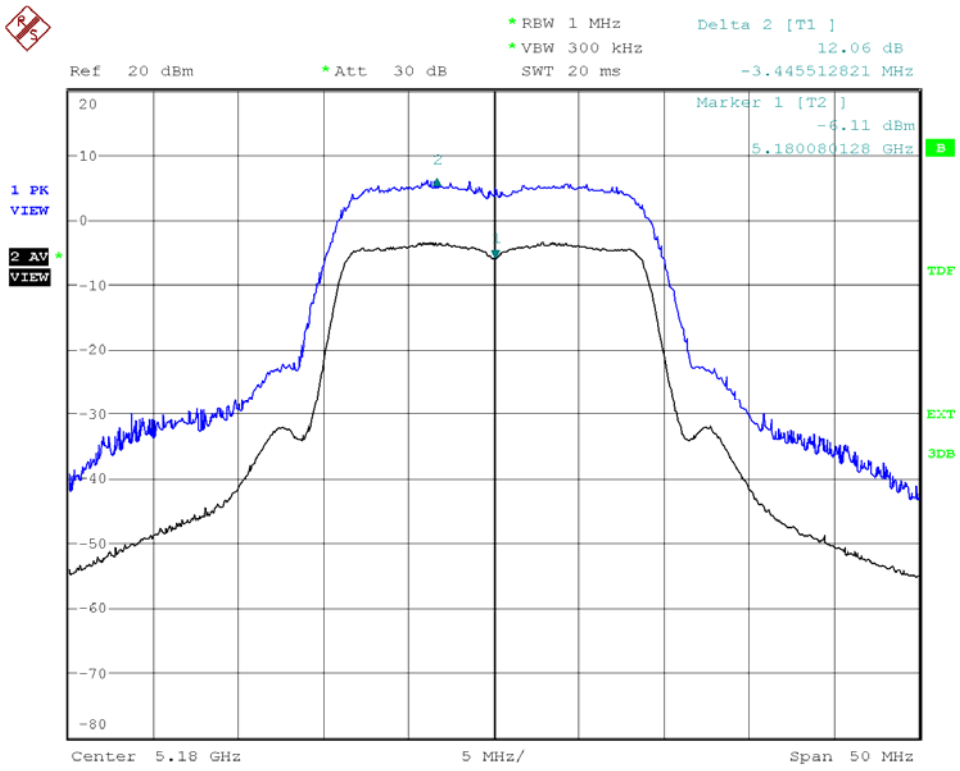
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 120



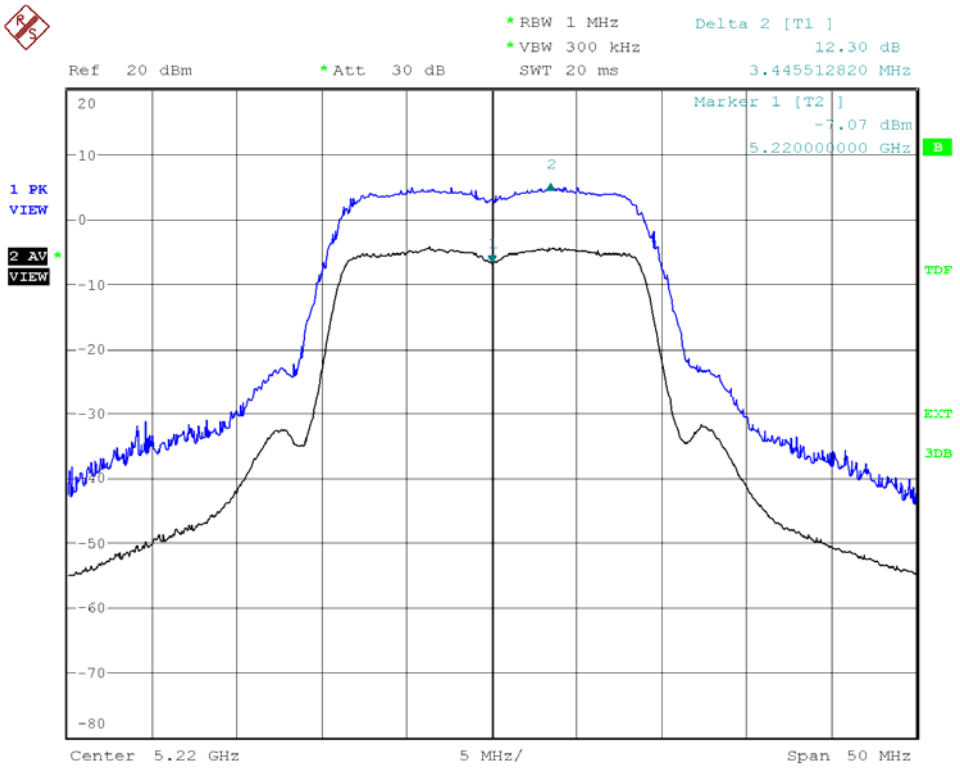
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 140



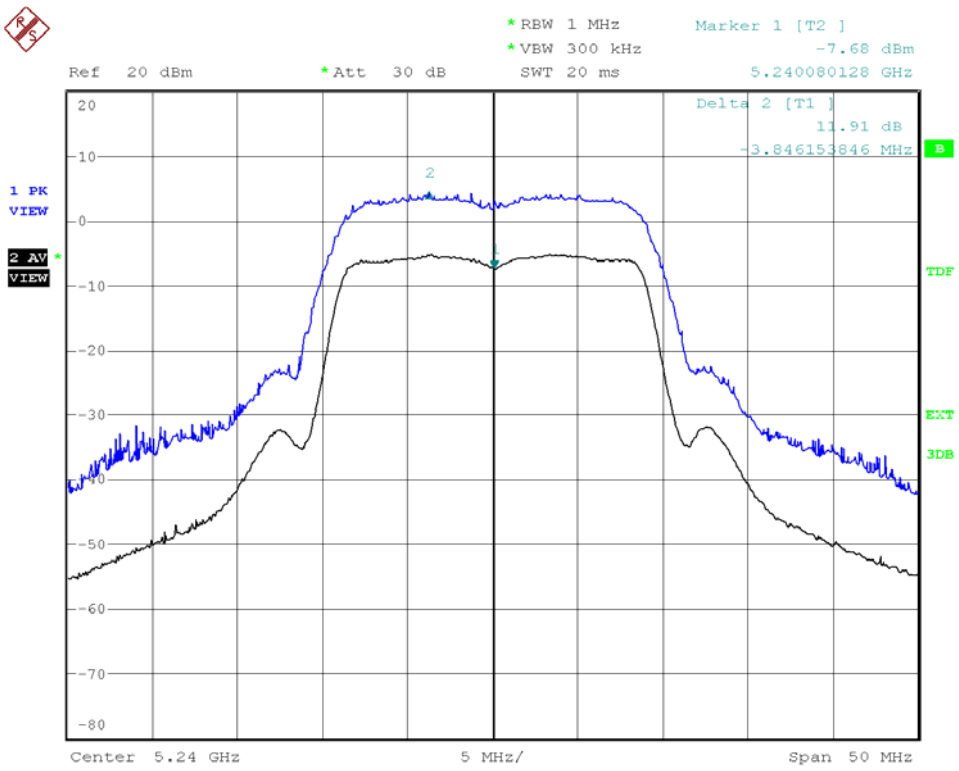
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 36



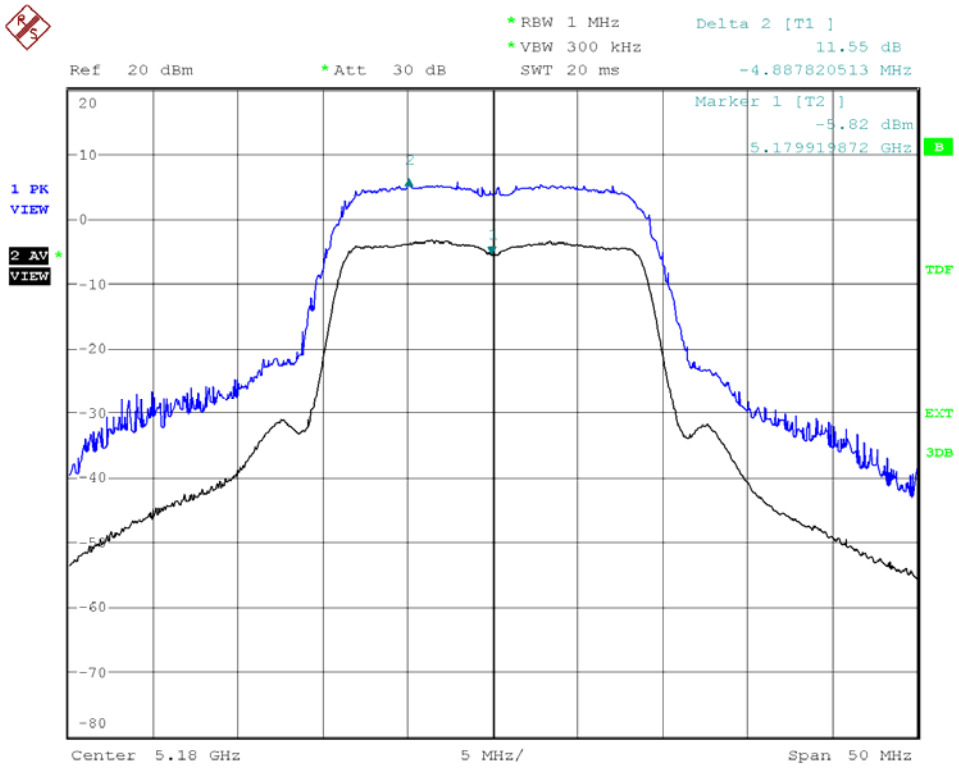
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 44



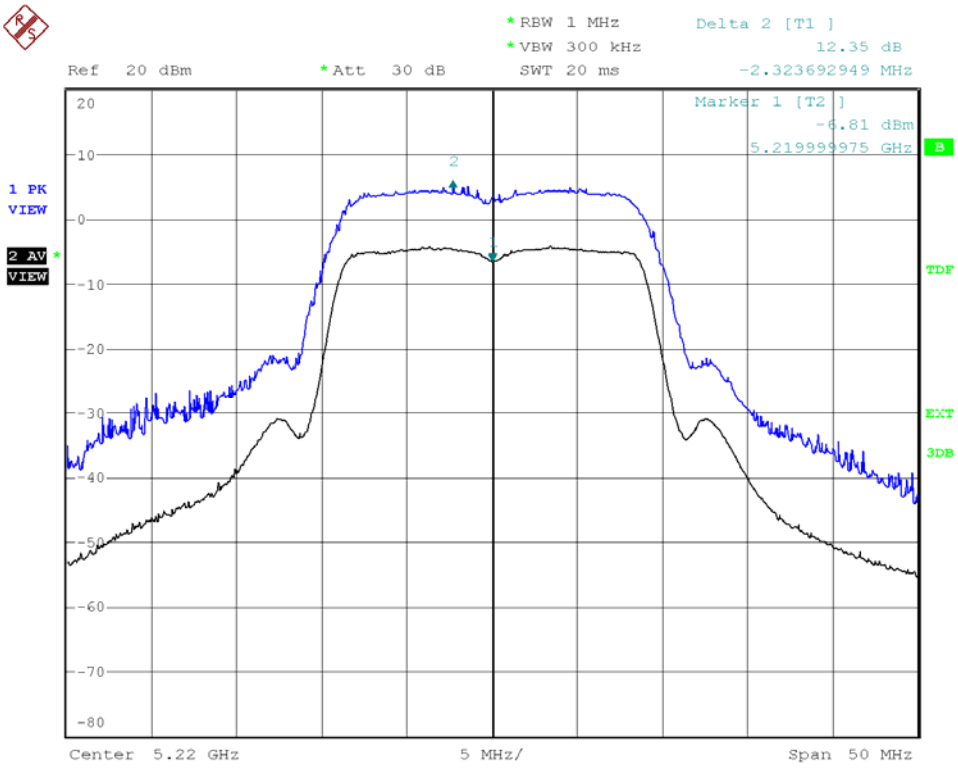
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 48



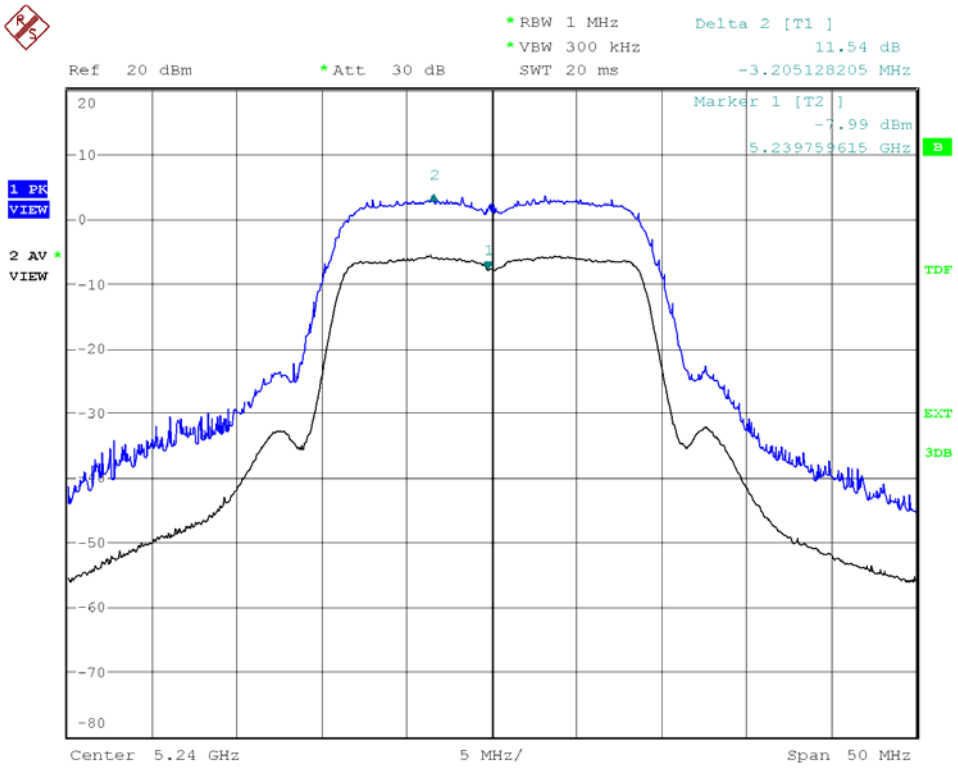
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 36



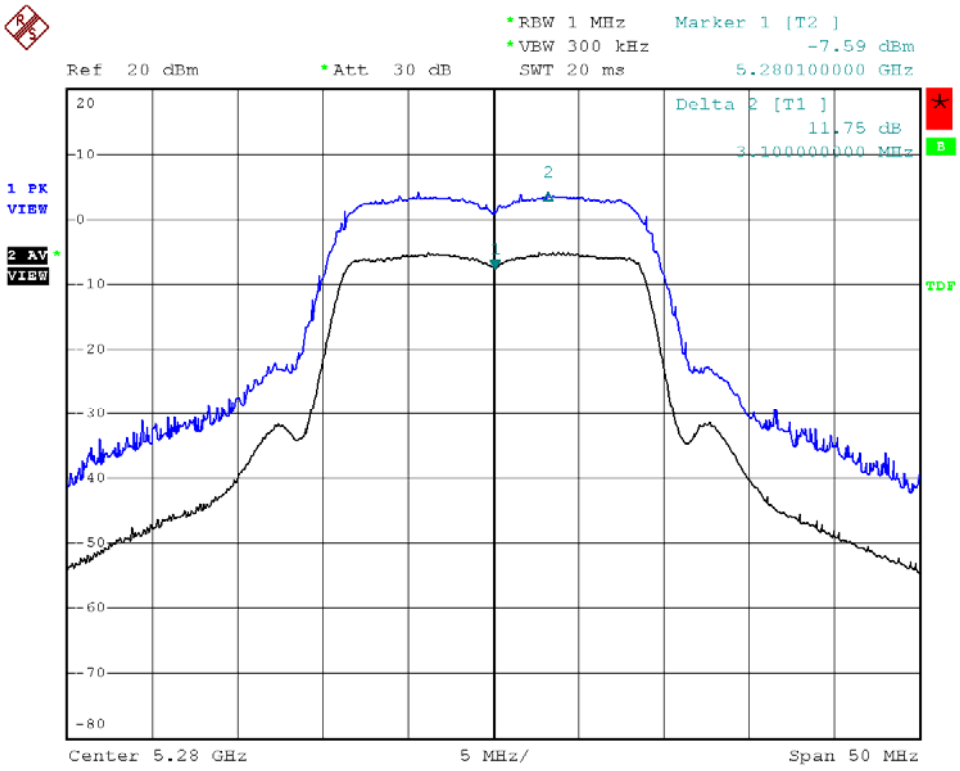
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 44



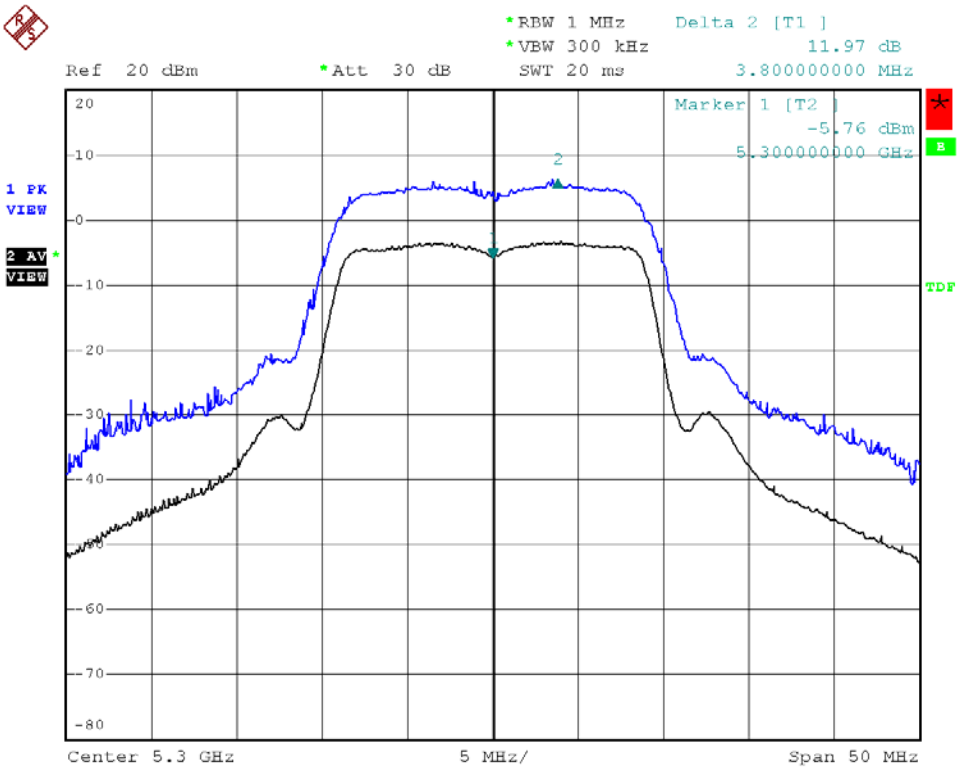
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 48



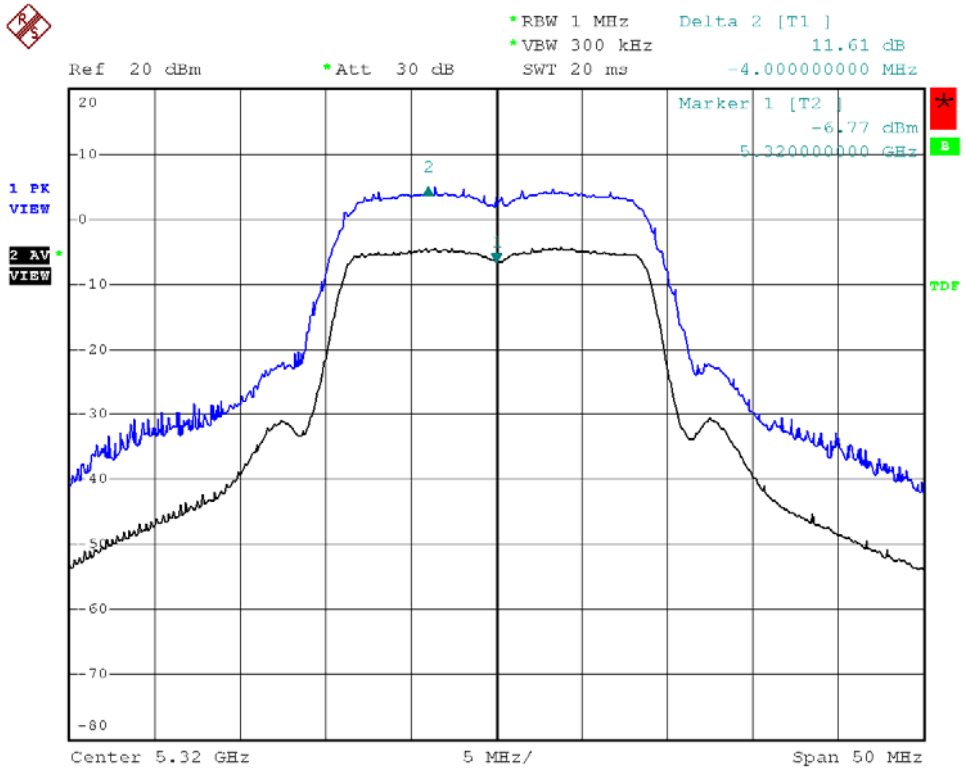
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 56



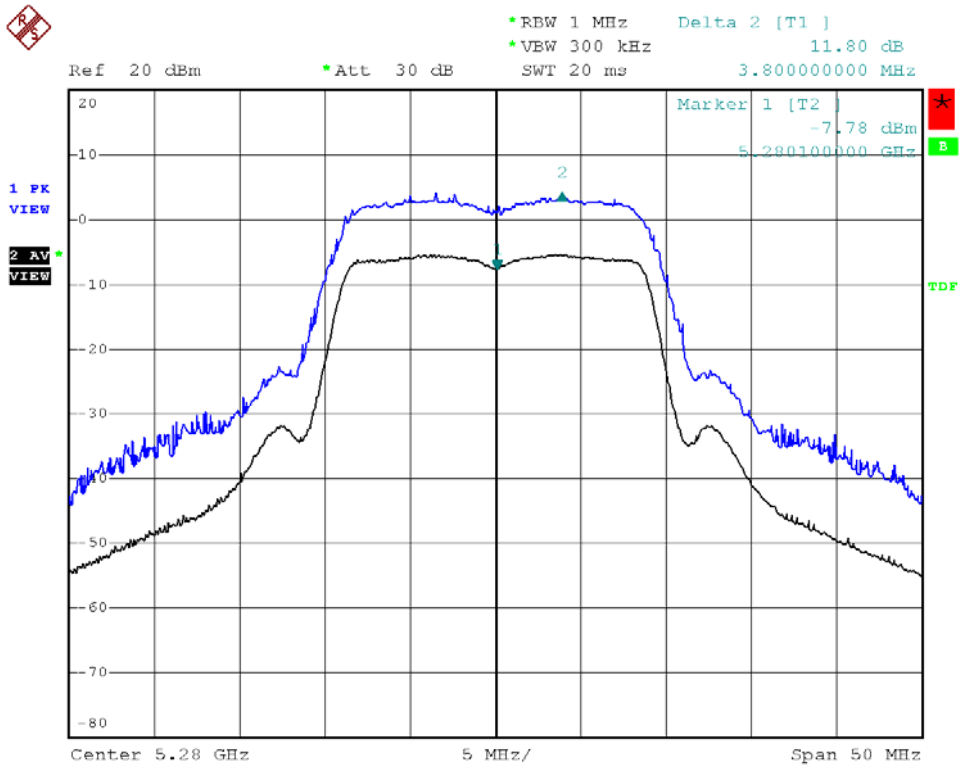
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 60



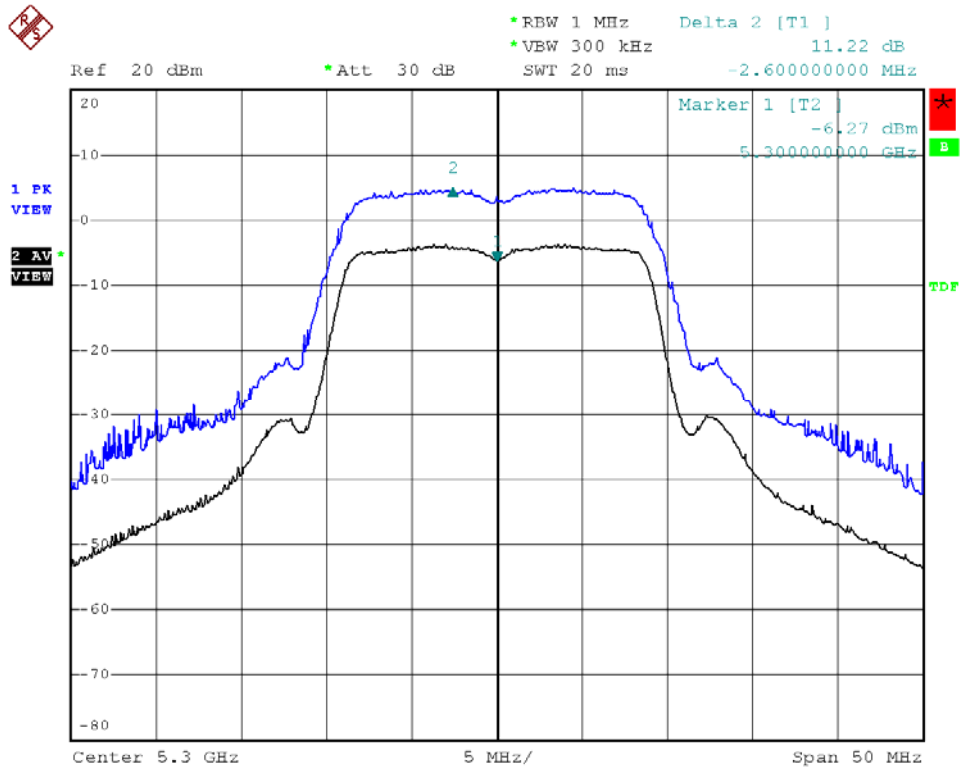
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 64



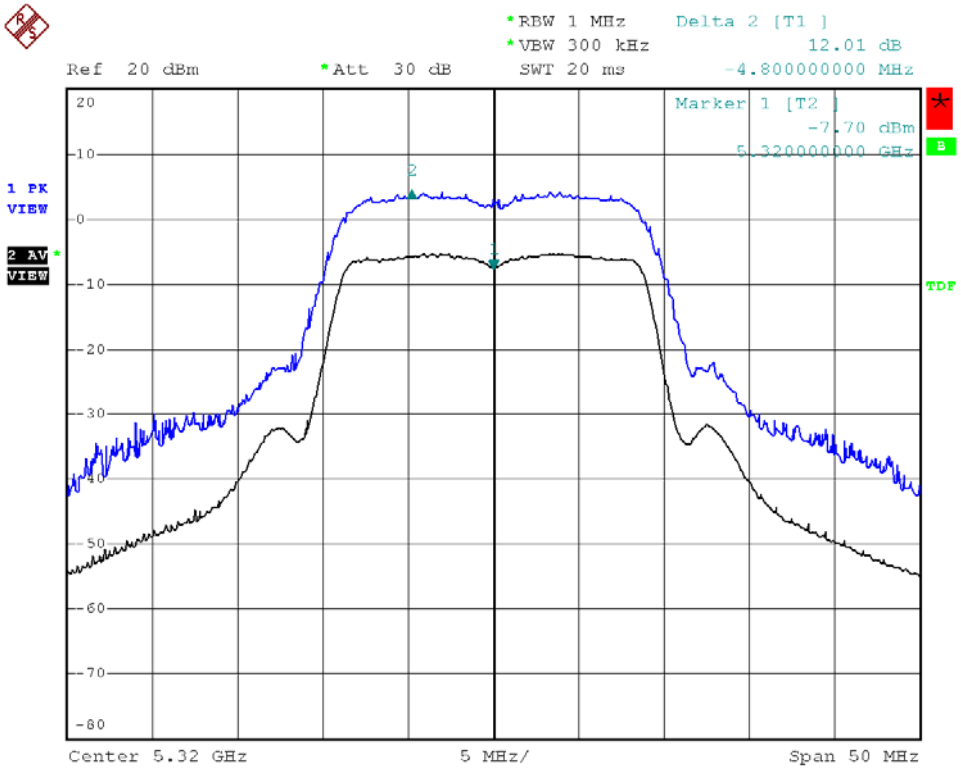
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 56



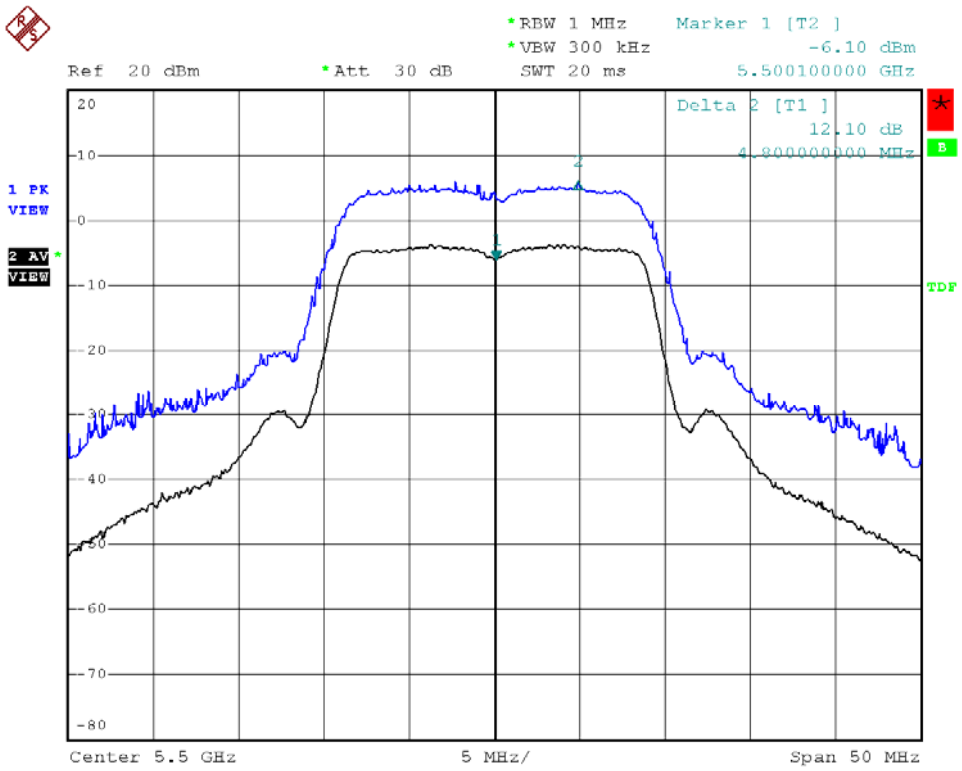
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 60



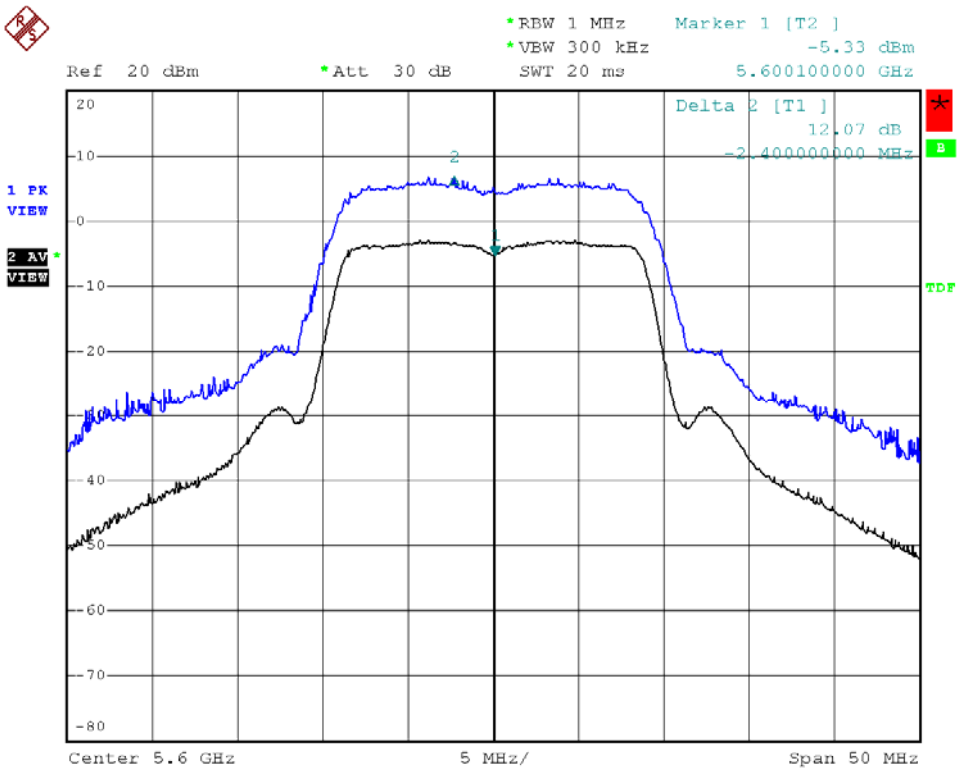
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 64



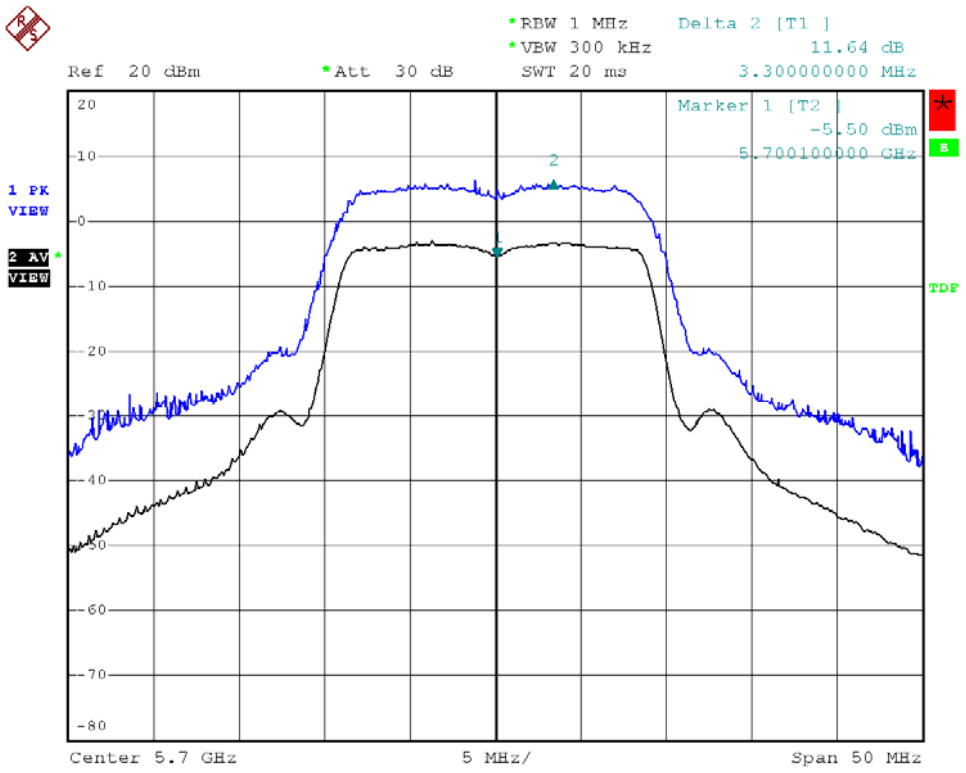
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 100



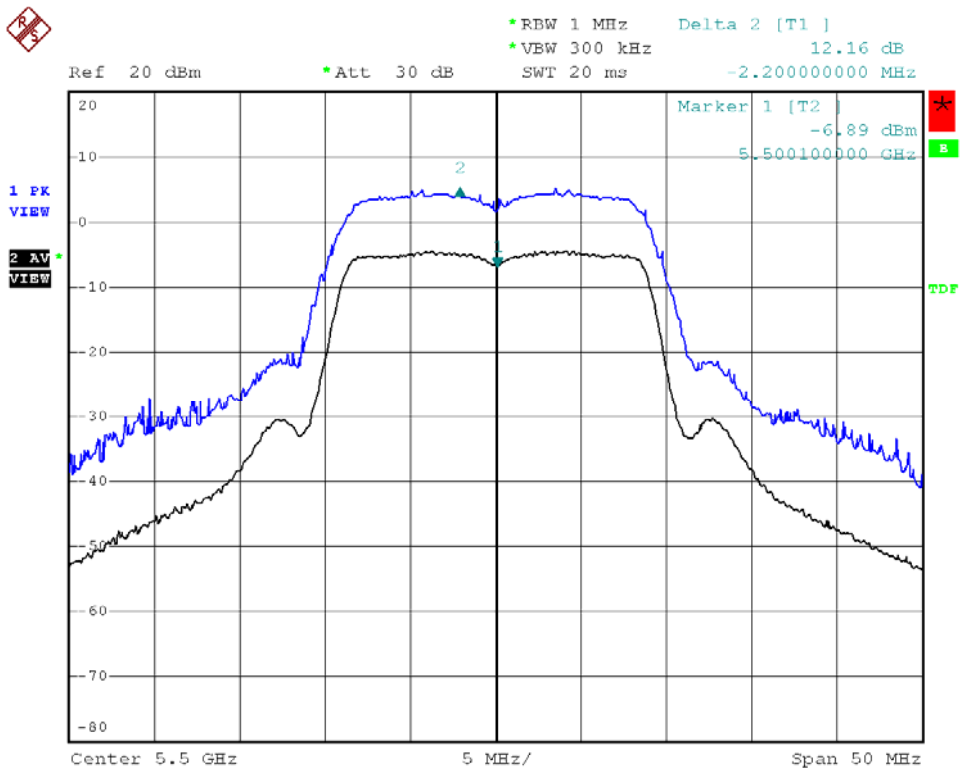
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 120



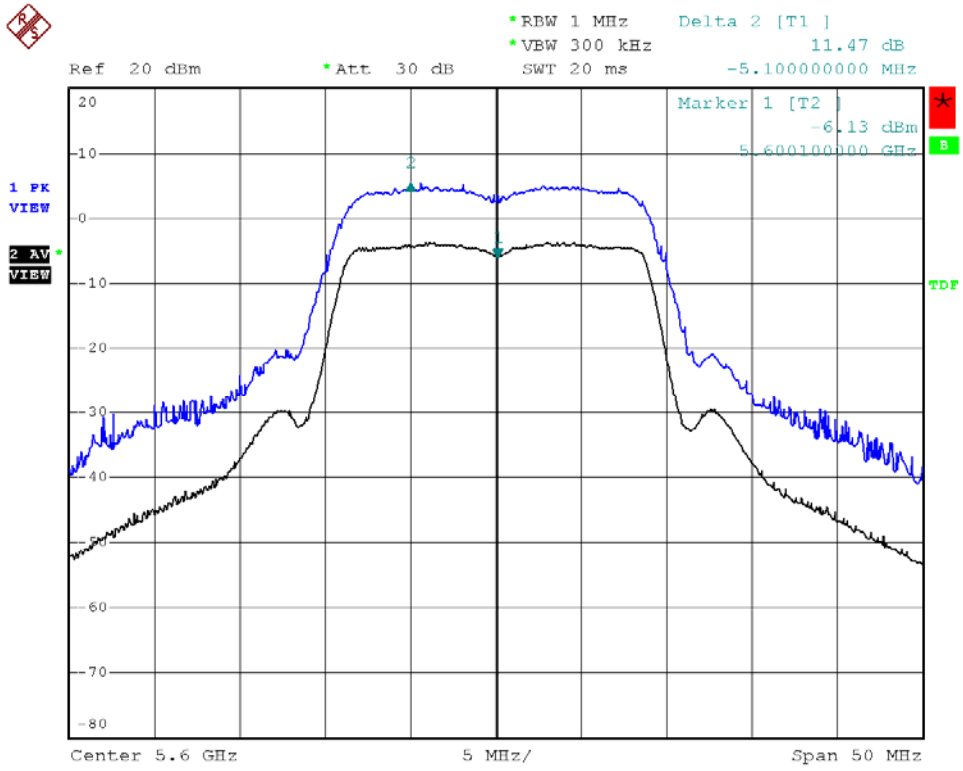
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 140



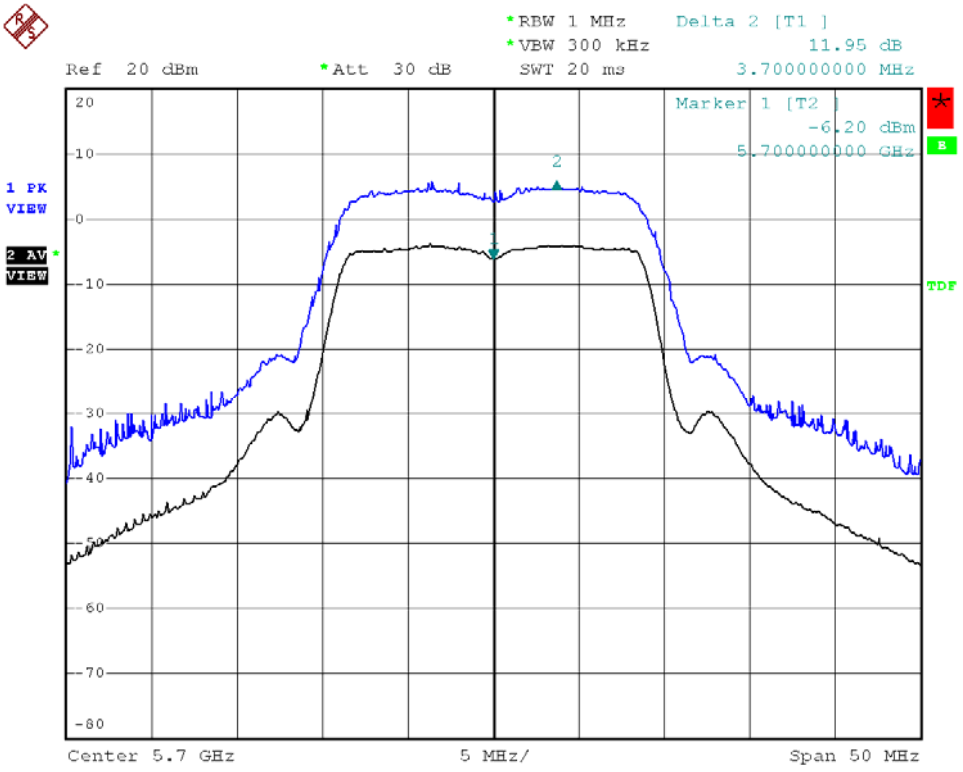
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 100



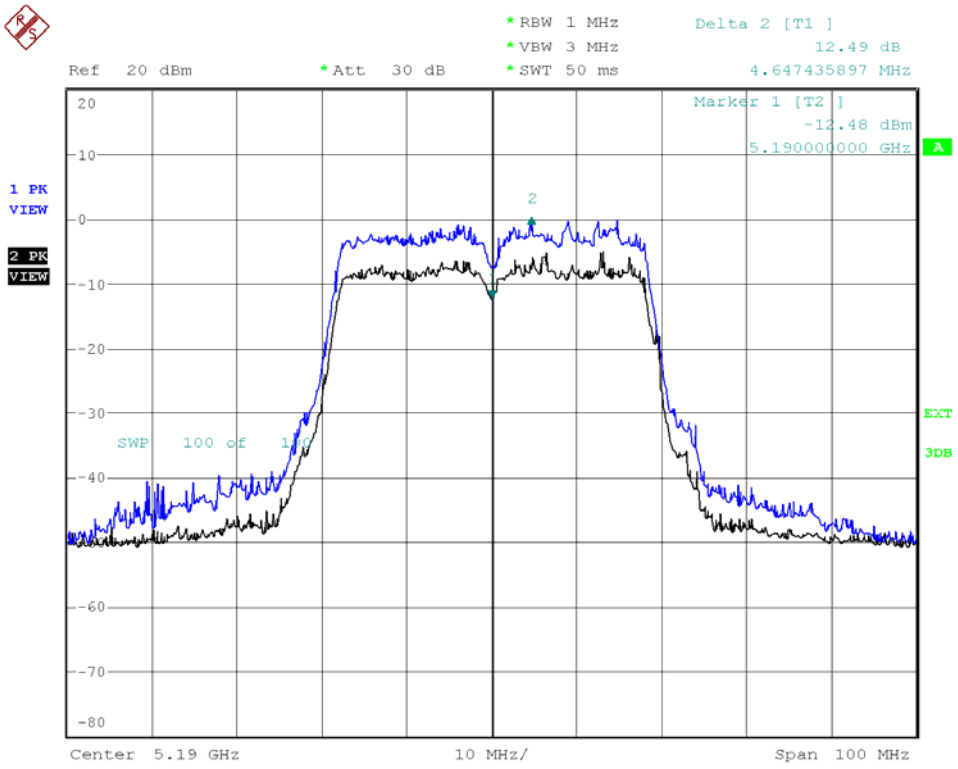
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 120



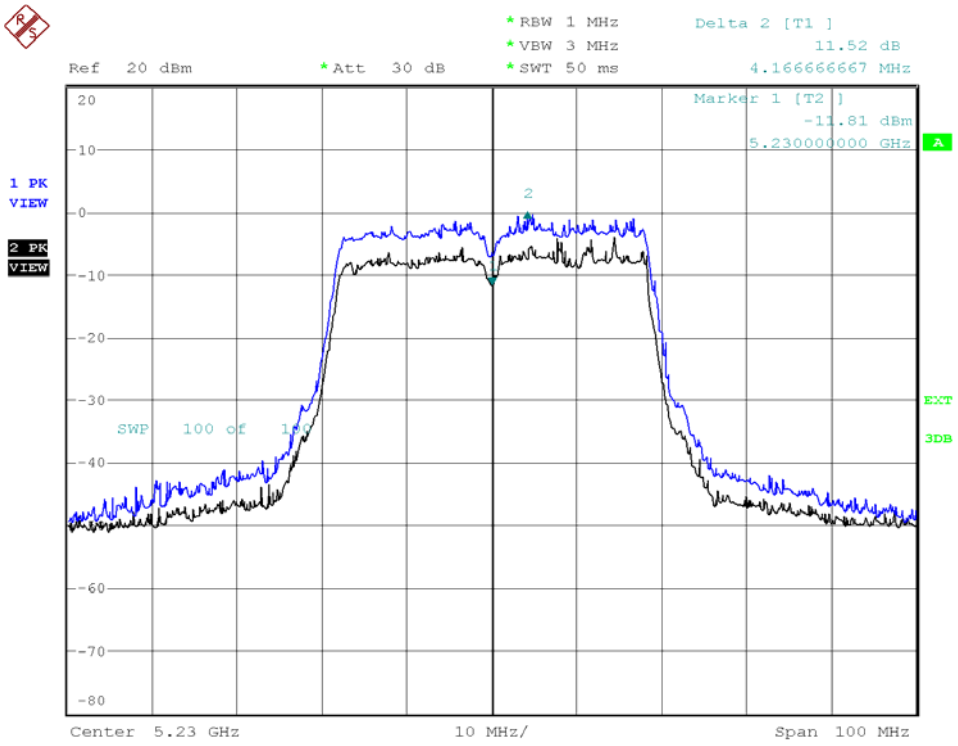
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 140



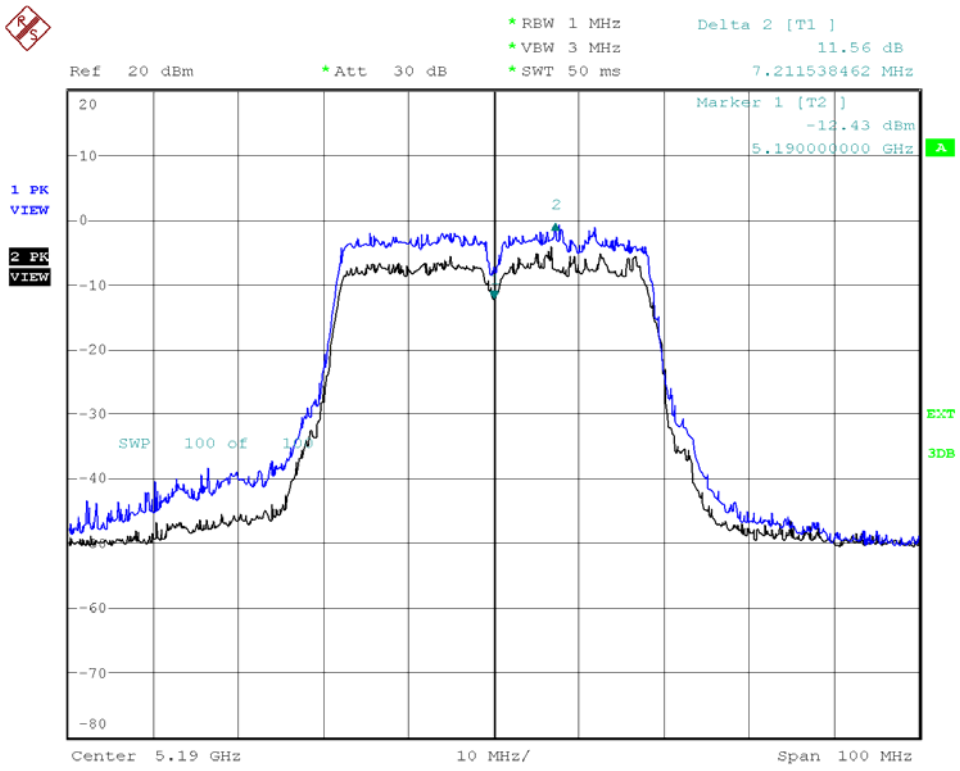
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 38



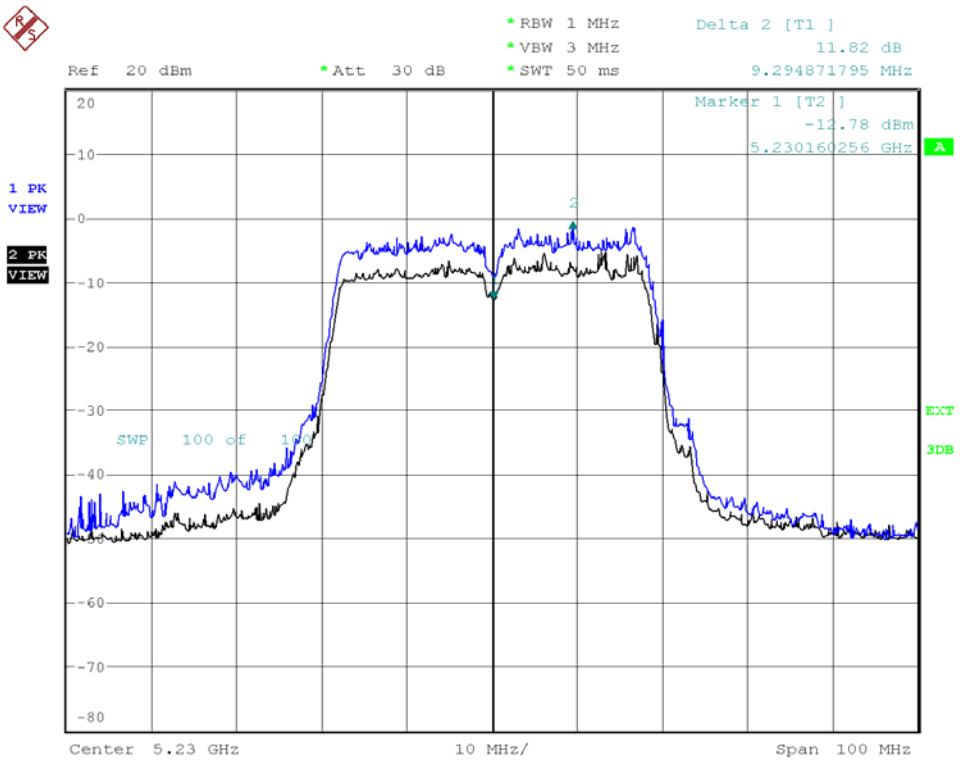
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 46



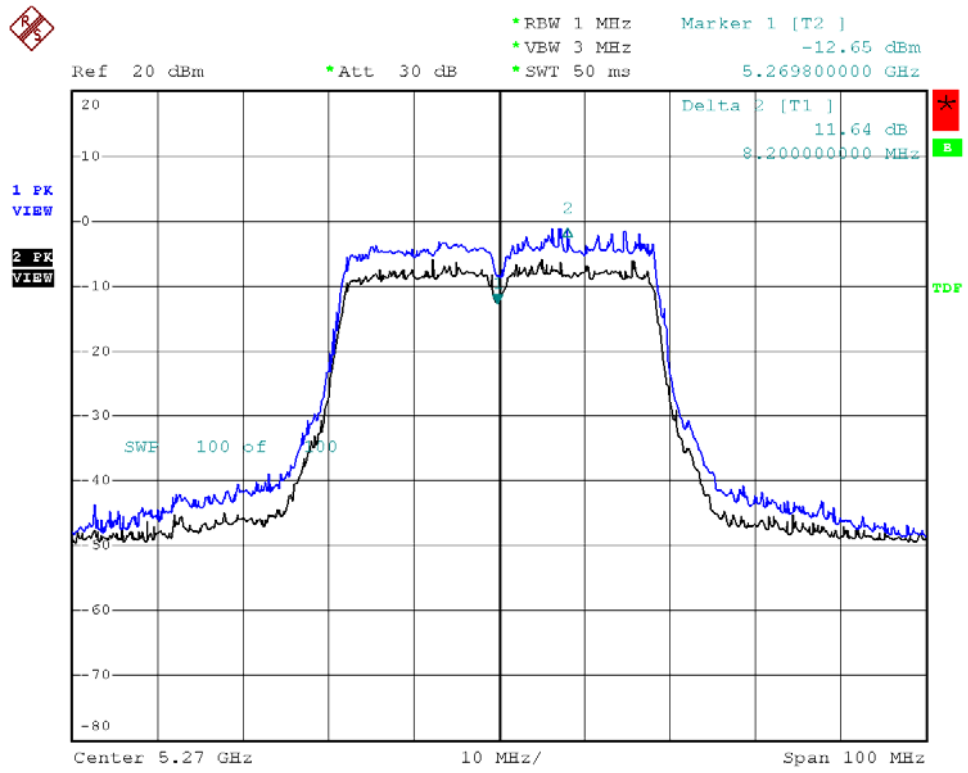
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 38



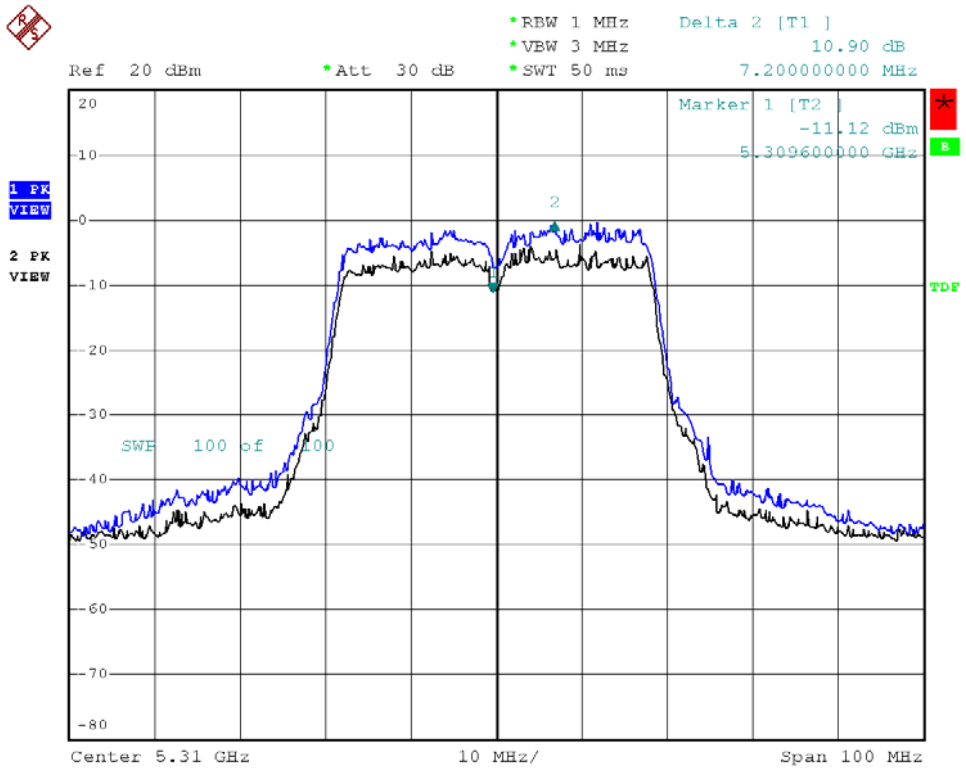
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 46



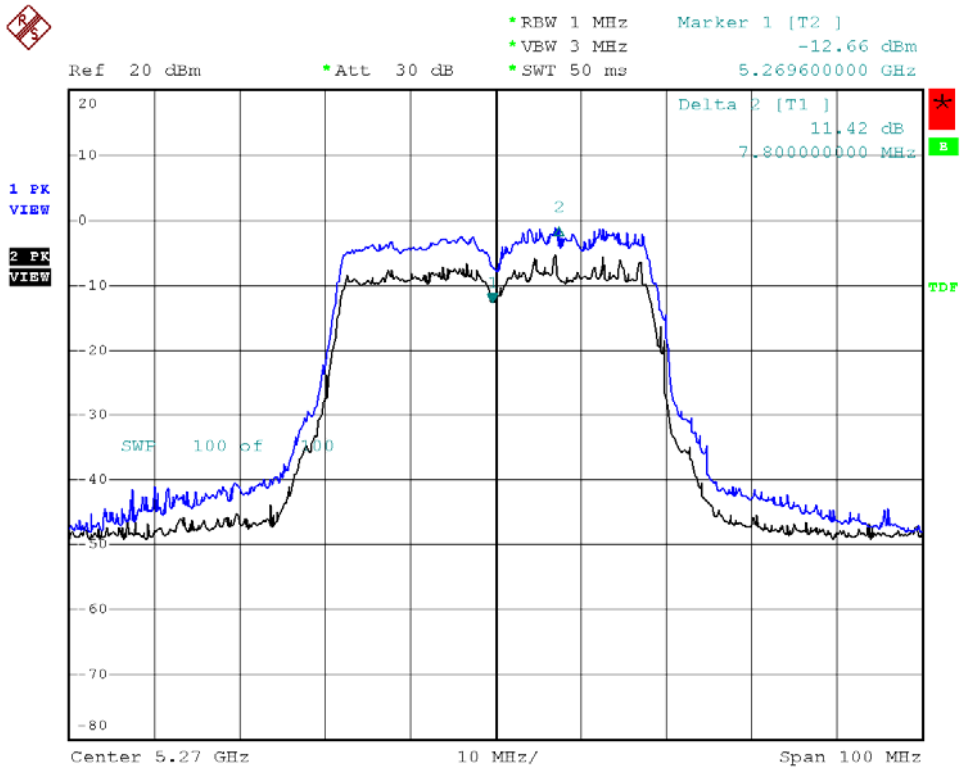
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 54



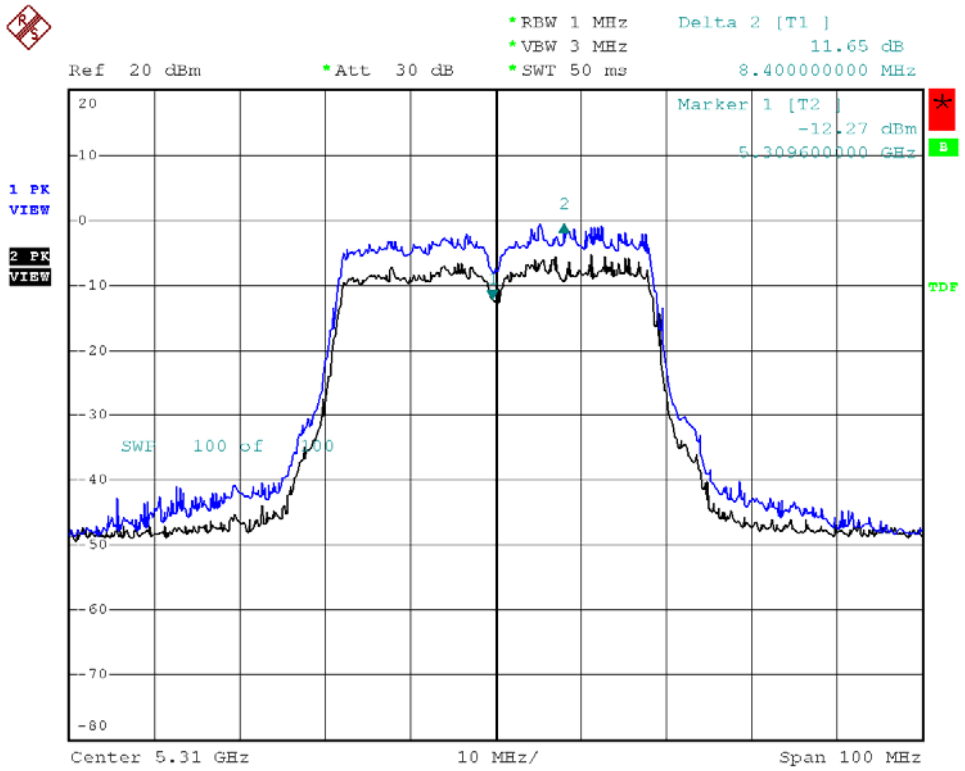
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 62



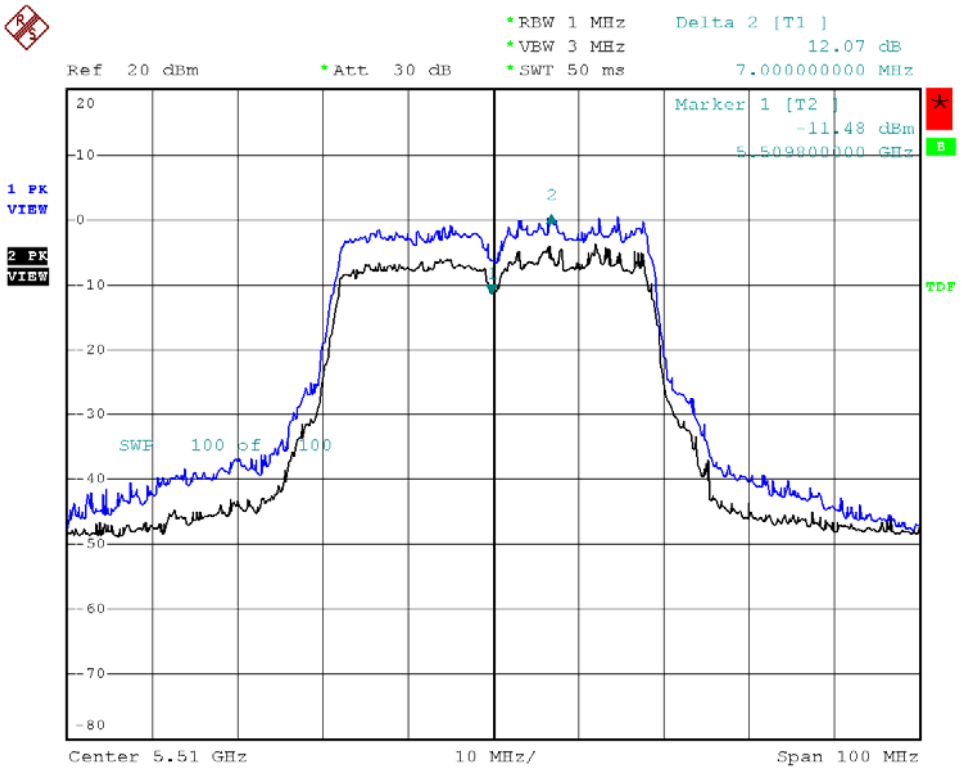
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 54



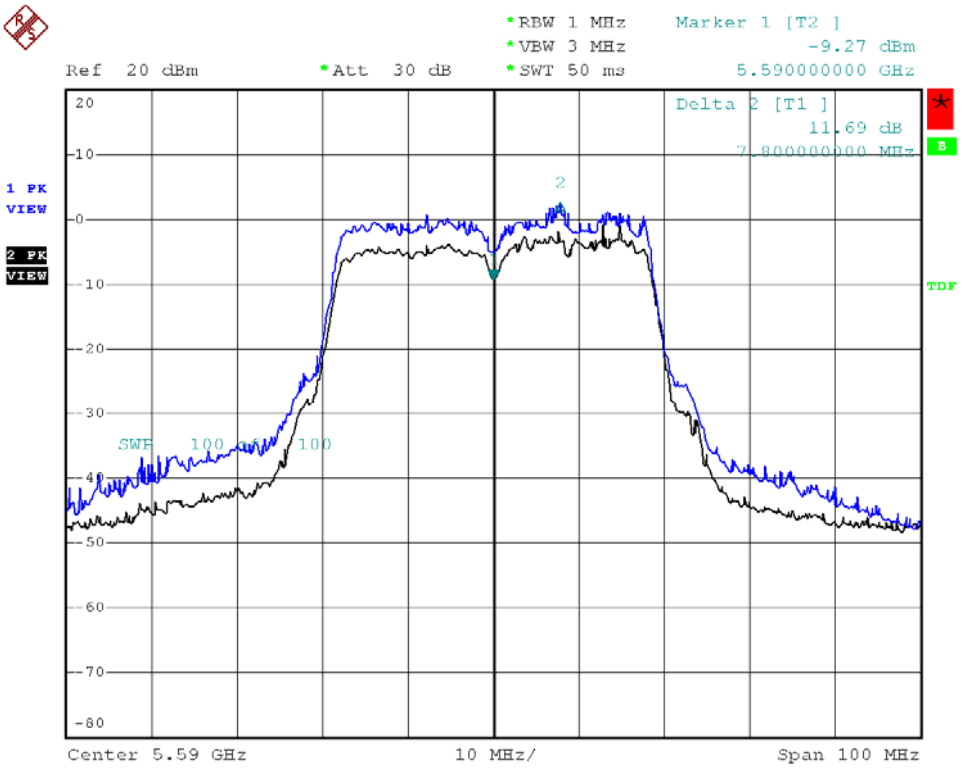
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 62



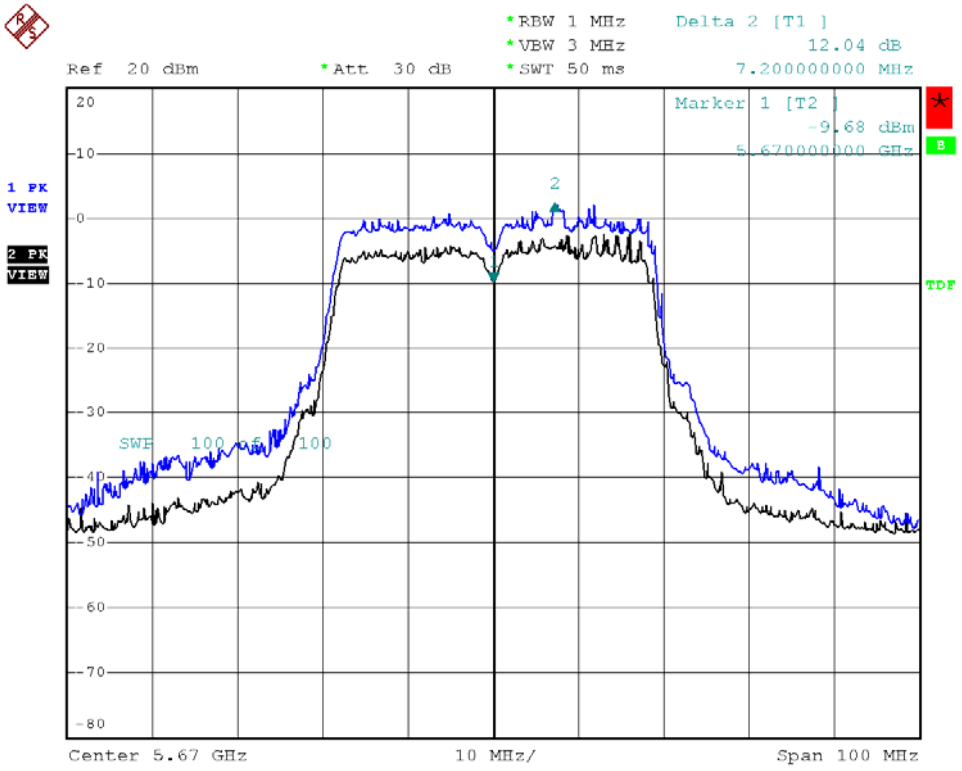
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 102



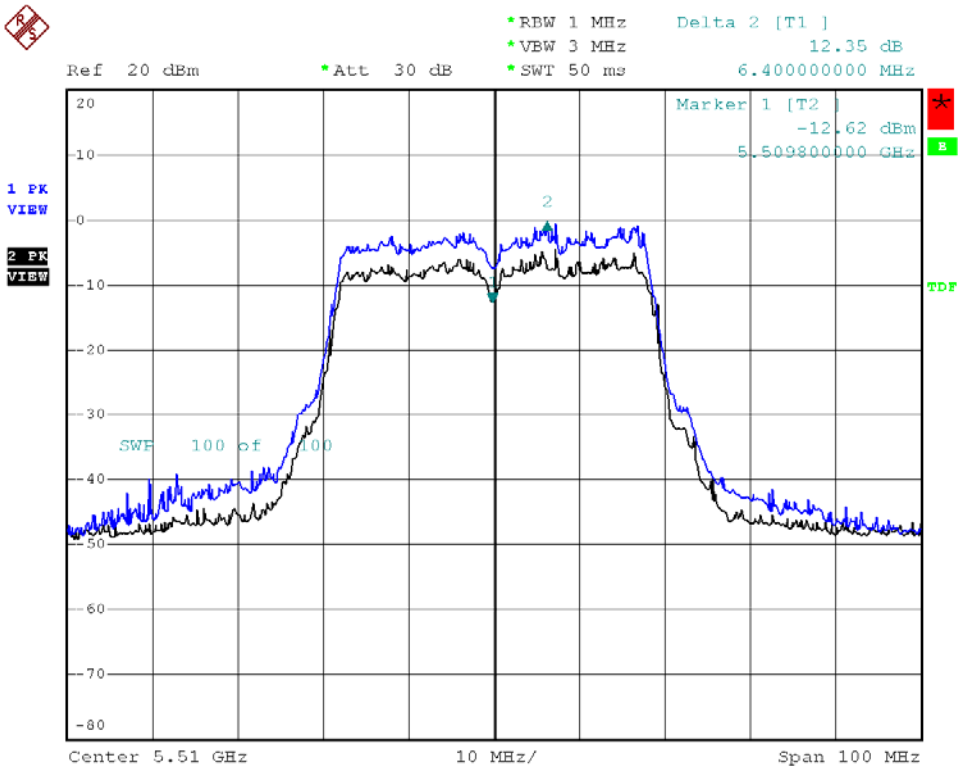
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 118



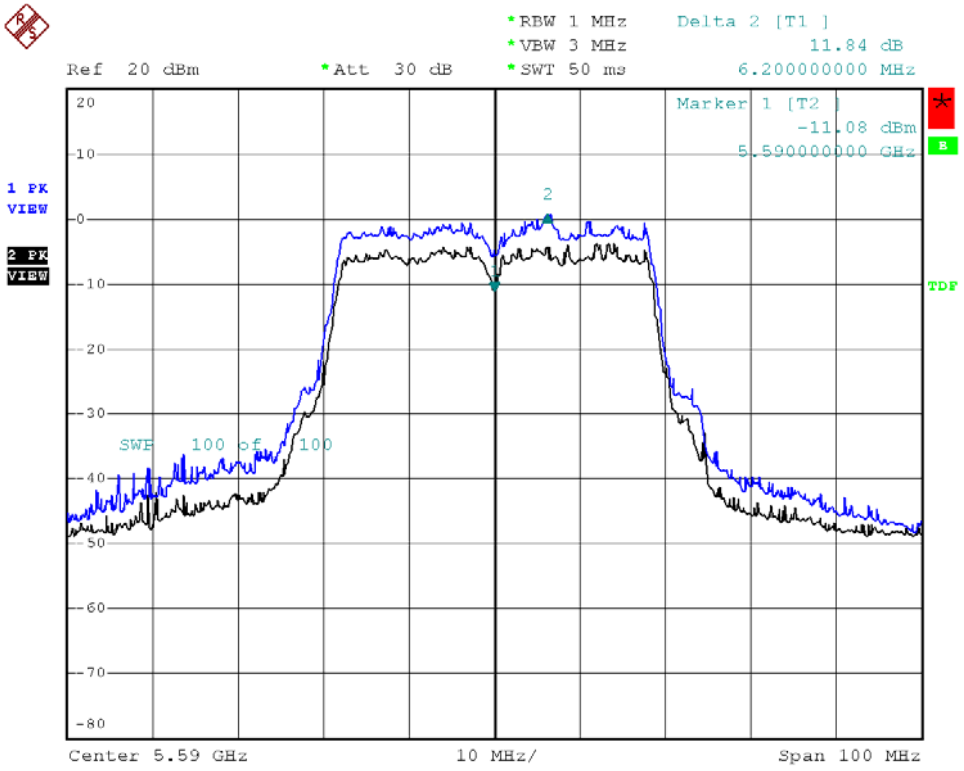
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 134



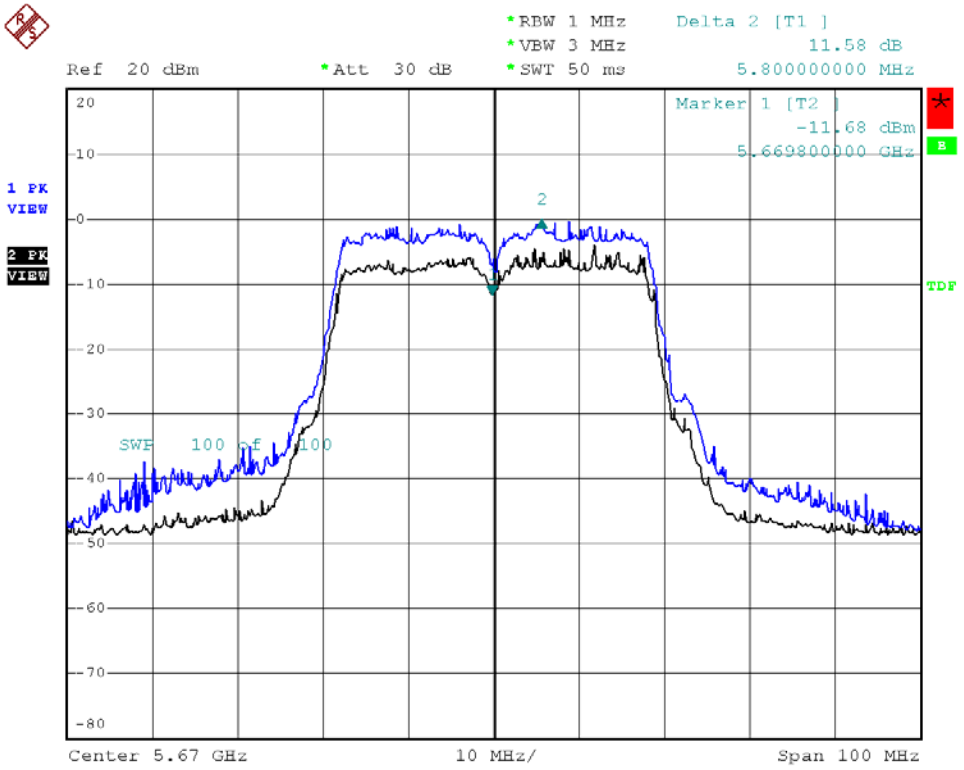
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 102



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 118



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 134

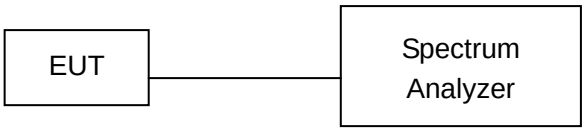


8. Peak Power Spectral Density

8.1. Test Procedure

1. The transmitter output was connected to spectrum analyzer.
2. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz
3. The Peak Power Spectral Density is the highest level found across the emission in any 1MHz Band

8.2. Test Setup Layout



8.3. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20

8.4. Test Result and Data

Test Date: Mar. 11, 2009 Temperature: 26℃

Atmospheric pressure: 1025 hPa Humidity: 48%

Modulation Standard: 802.11a (6Mbps)

Channel	Frequency (MHz)	RF Power Level In 1MHz BW (dBm)		Limit (dB)
		Ant R	Ant L	
36	5180	-7.34	-7.45	4
44	5220	-8.20	-8.07	4
48	5240	-7.12	-9.58	4
56	5280	-6.63	-7.70	11
60	5300	-6.33	-7.13	11
64	5320	-7.71	-7.53	11
100	5500	-8.42	-9.17	11
120	5600	-4.22	-5.28	11
140	5700	-7.75	-7.98	11

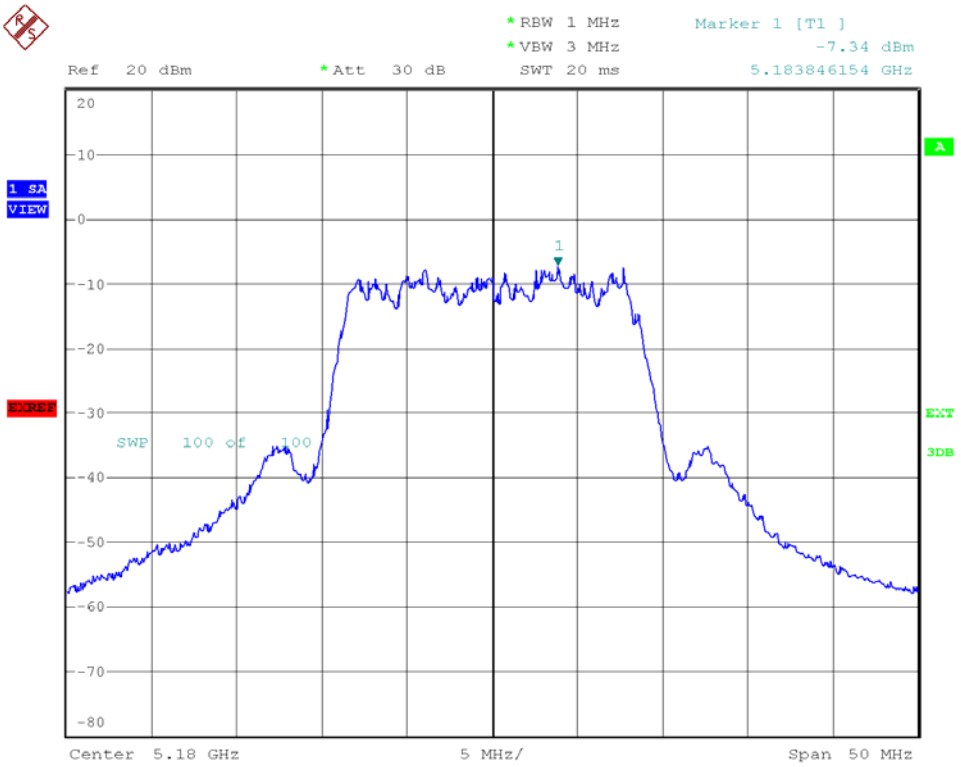
Modulation Standard: 802.11an HT20 (130Mbps)

Channel	Frequency (MHz)	RF Power Level In 1MHz BW (dBm)			Limit (dB)
		Ant R	Ant L	Ant R+L	
36	5180	-11.61	-10.69	-8.12	4
44	5220	-11.25	-11.50	-8.36	4
48	5240	-11.14	-12.20	-8.63	4
56	5280	-10.57	-10.00	-7.27	11
60	5300	-8.91	-8.71	-5.80	11
64	5320	-10.06	-9.32	-6.66	11
100	5500	-9.98	-10.38	-7.17	11
120	5600	-7.66	-9.08	-5.30	11
140	5700	-8.65	-9.15	-5.88	11

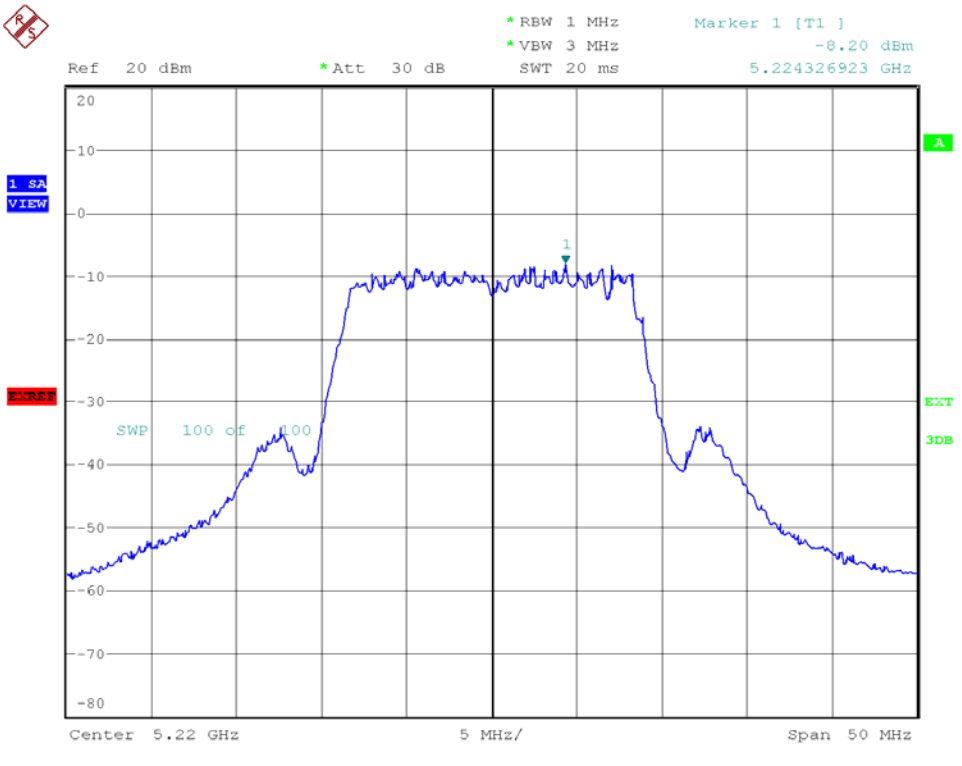
Modulation Standard: 802.11an HT40 (270Mbps)

Channel	Frequency (MHz)	RF Power Level In 1MHz BW (dBm)			Limit (dB)
		Ant R	Ant L	Ant R+L	
38	5190	-45.38	-45.85	-42.60	4
46	5230	-45.58	-46.85	-43.16	4
54	5270	-46.26	-44.00	-41.97	11
62	5310	-46.30	-45.04	-42.61	11
102	5510	-43.59	-45.64	-41.48	11
118	5590	-44.83	-44.71	-41.76	11
134	5670	-43.14	-43.57	-40.34	11

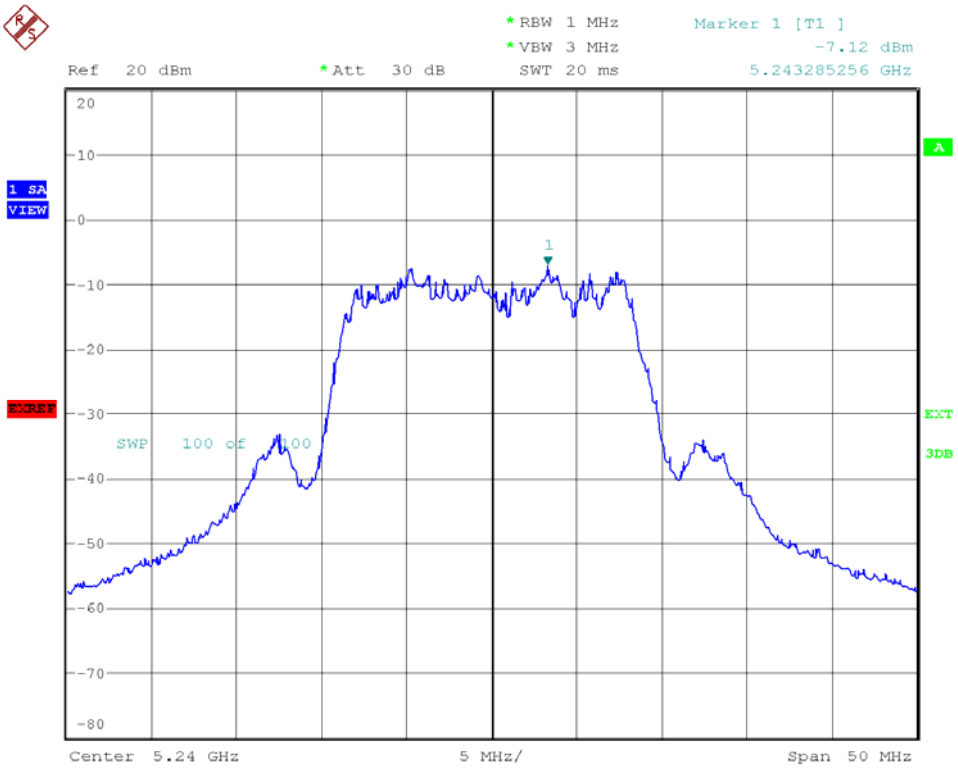
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 36



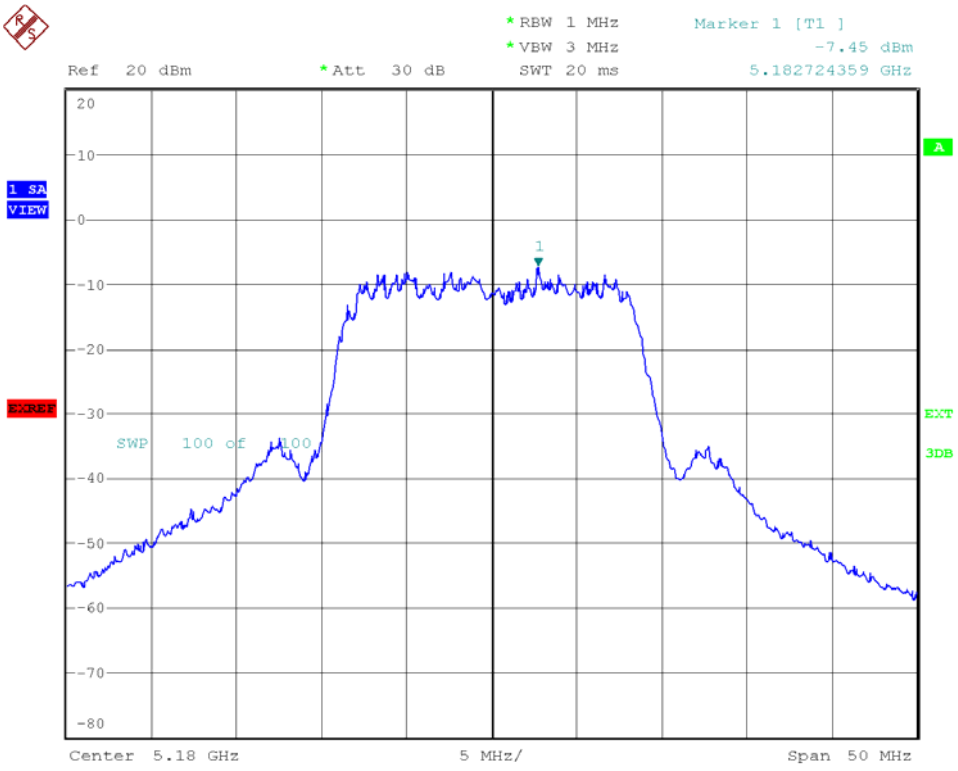
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 44



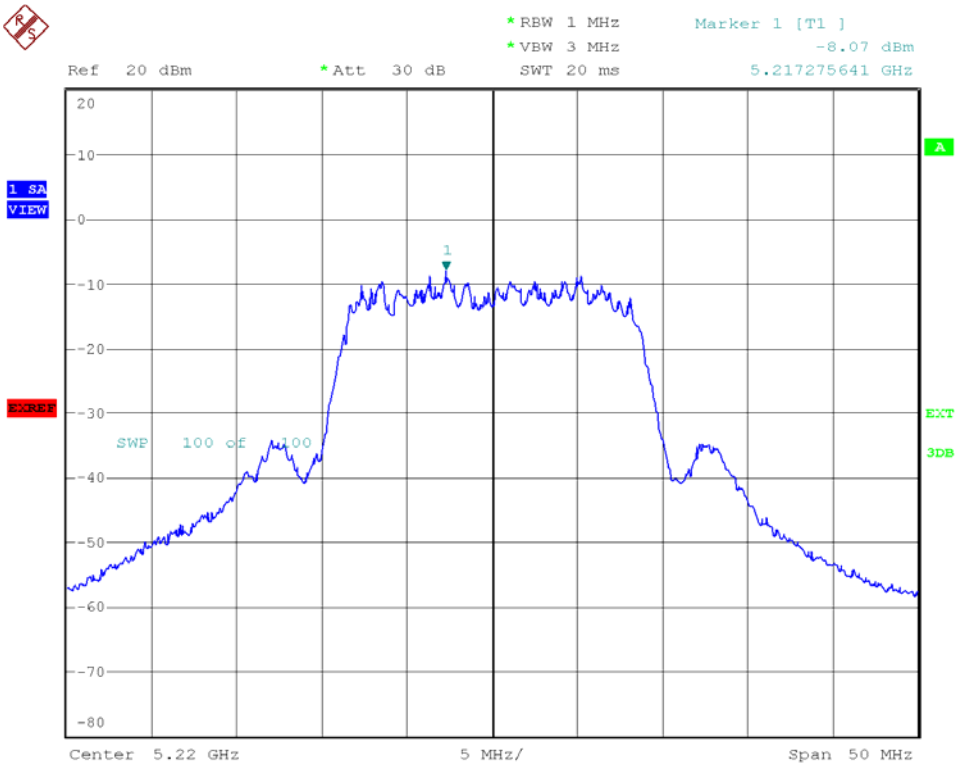
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 48



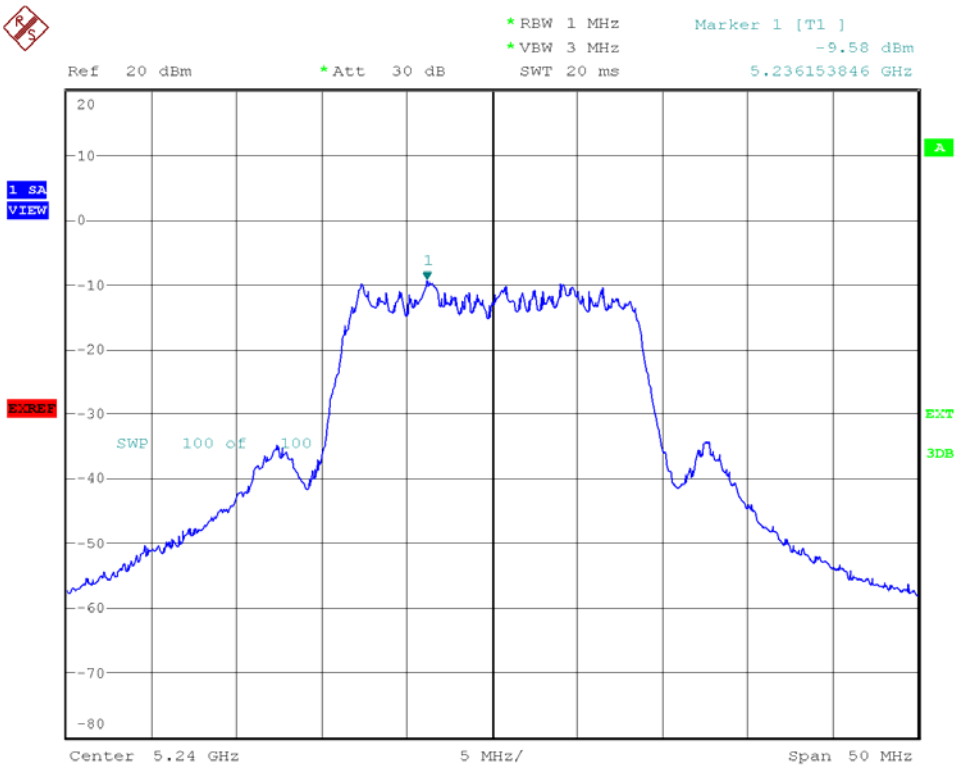
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 36



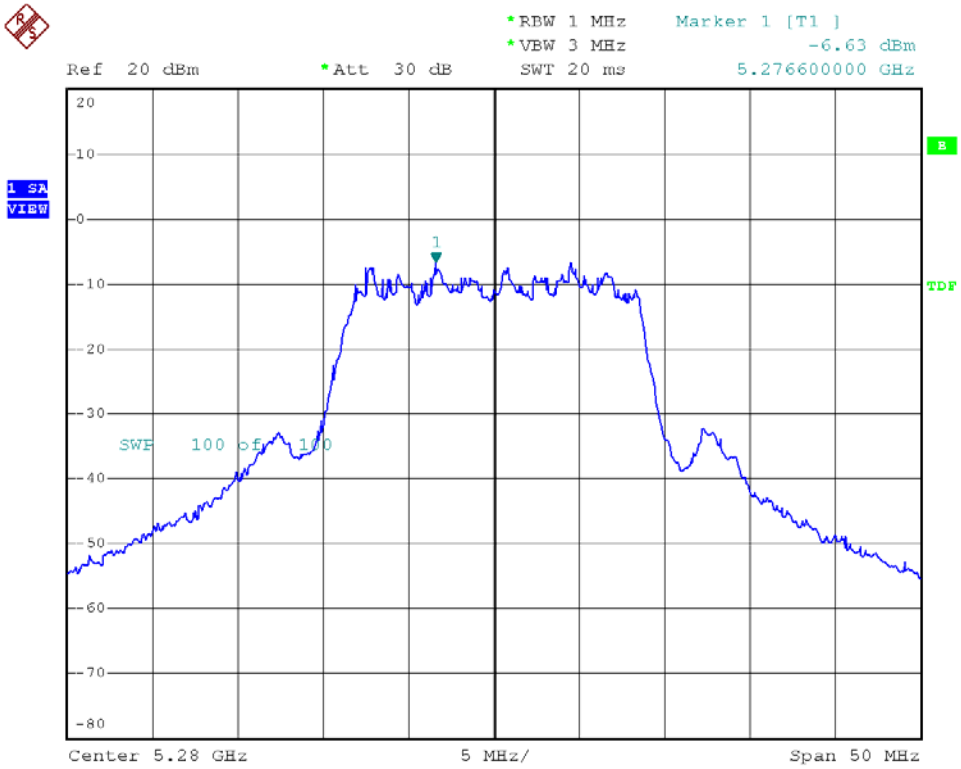
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 44



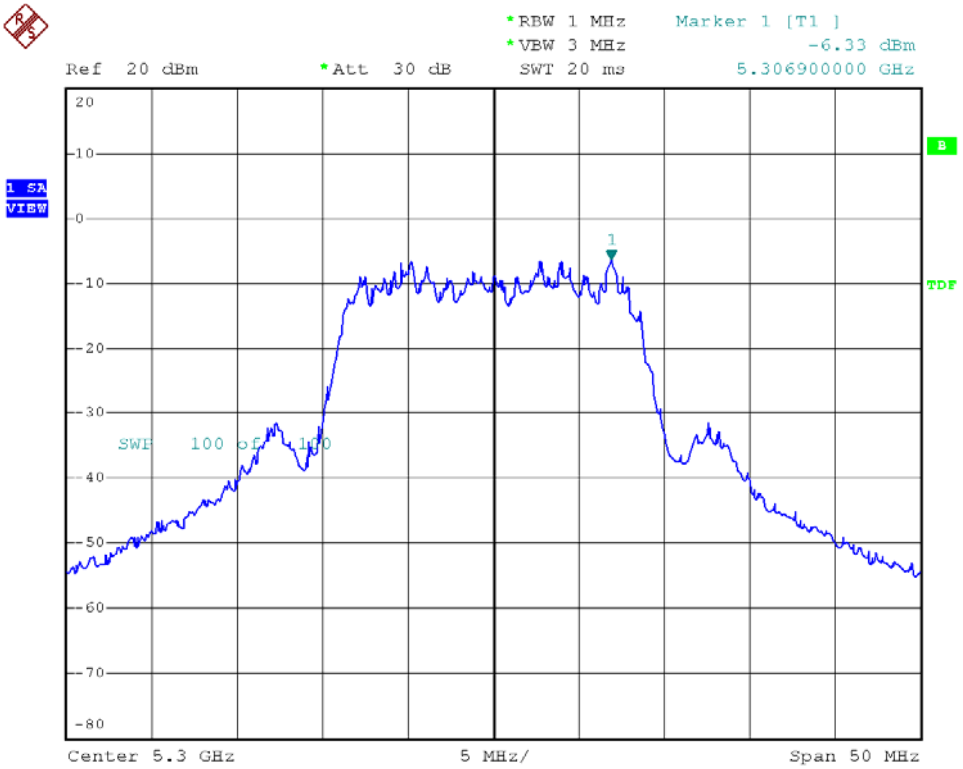
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 48



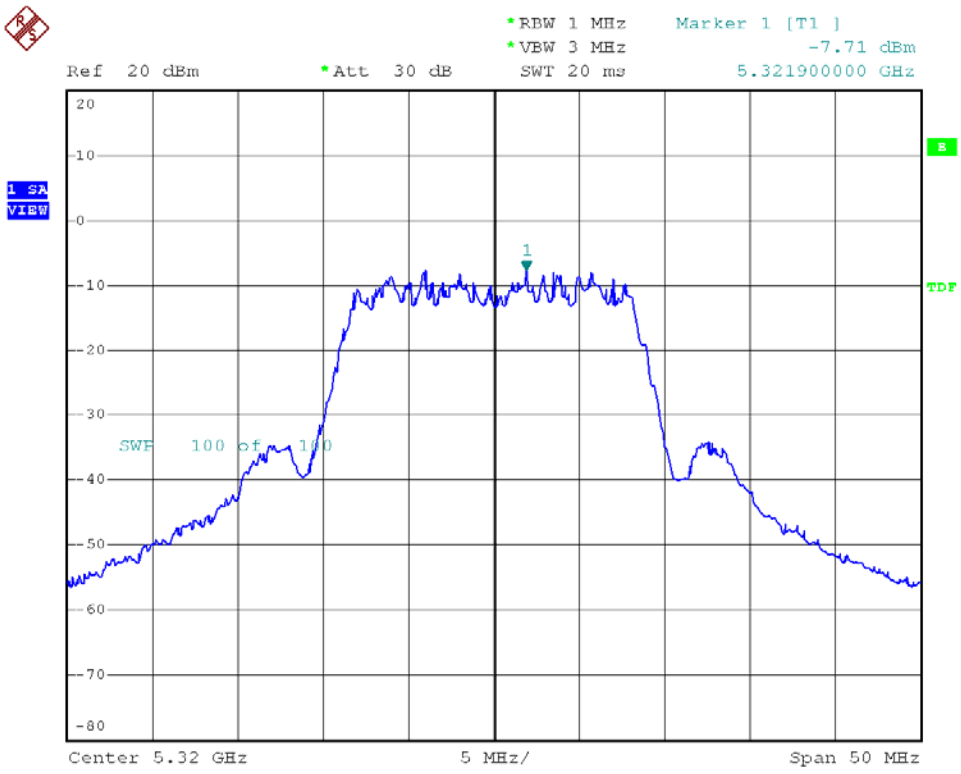
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 56



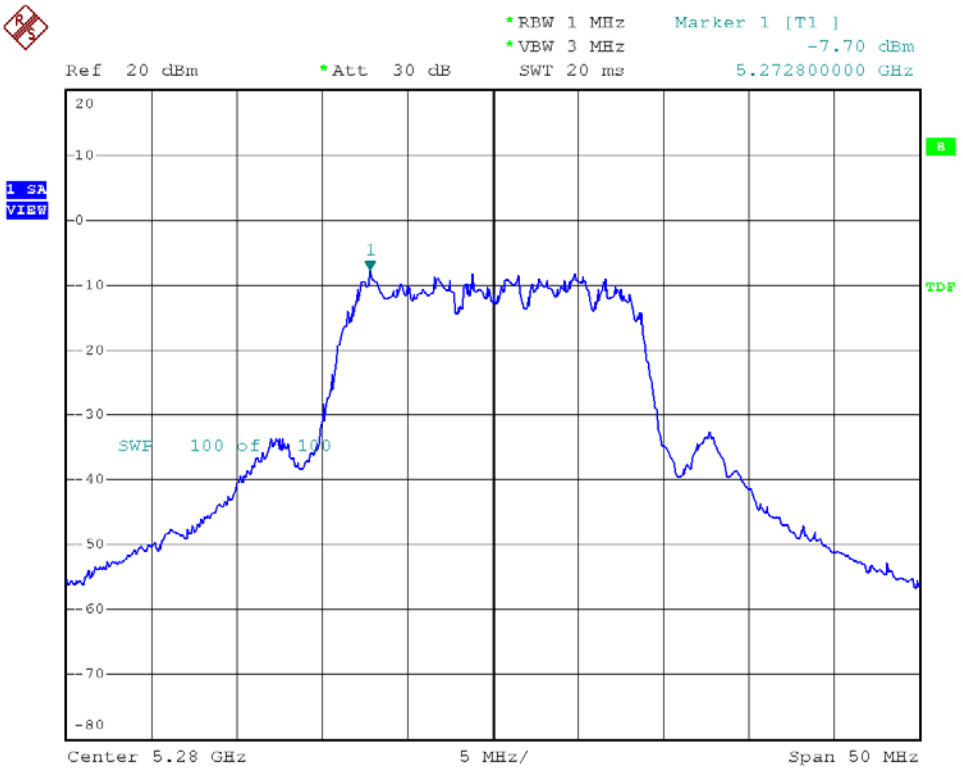
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 60



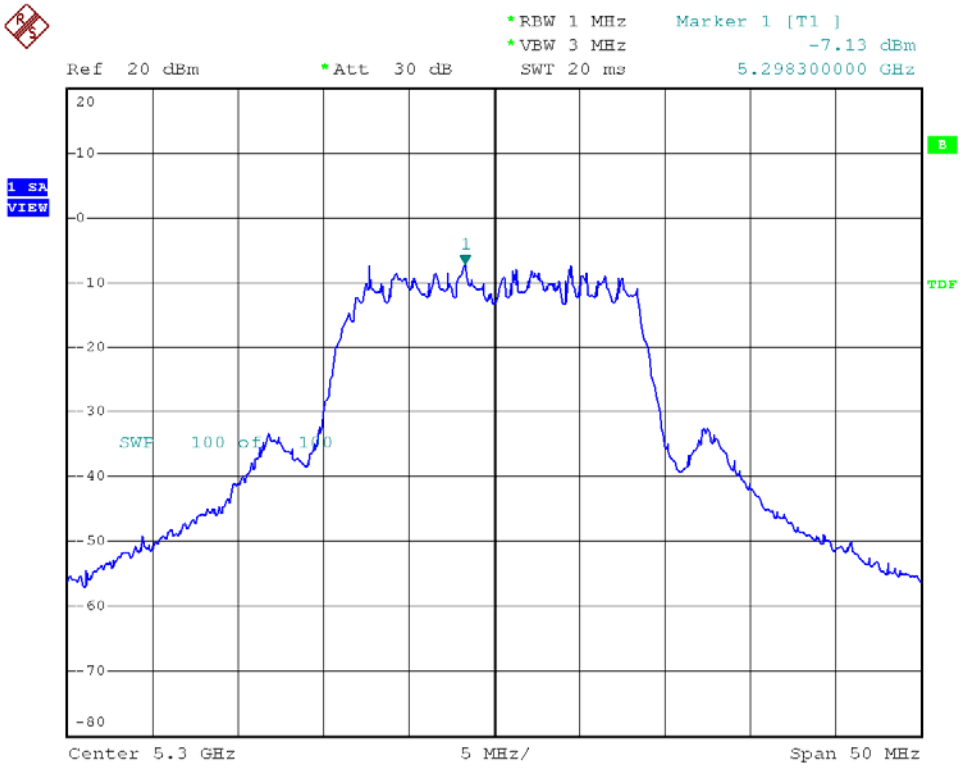
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 64



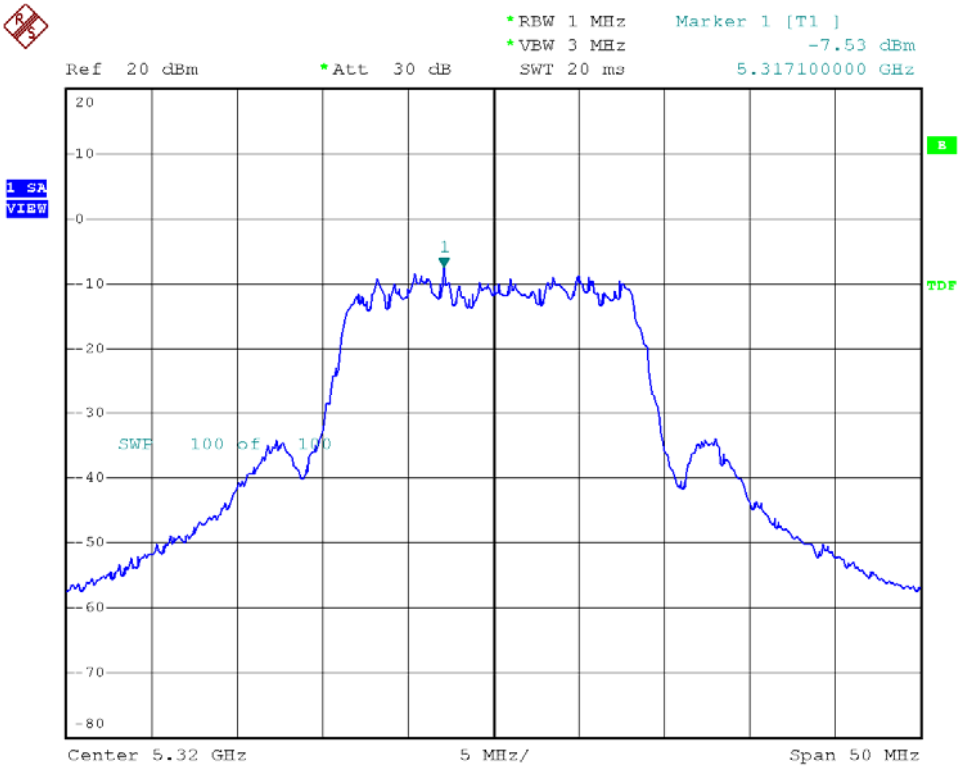
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 56



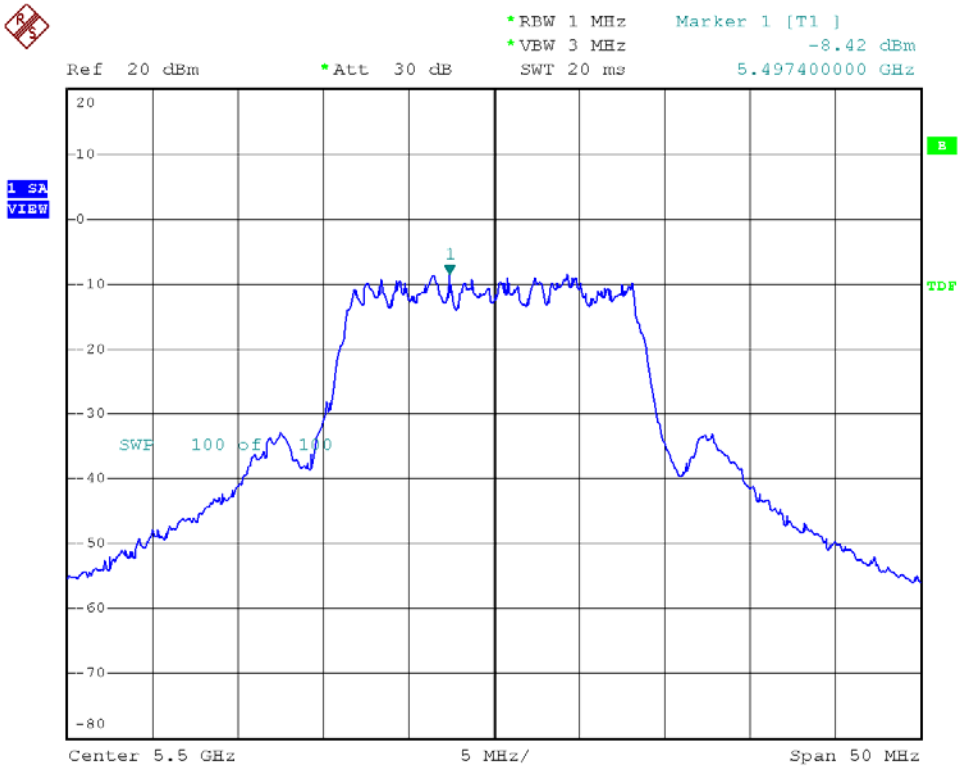
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 60



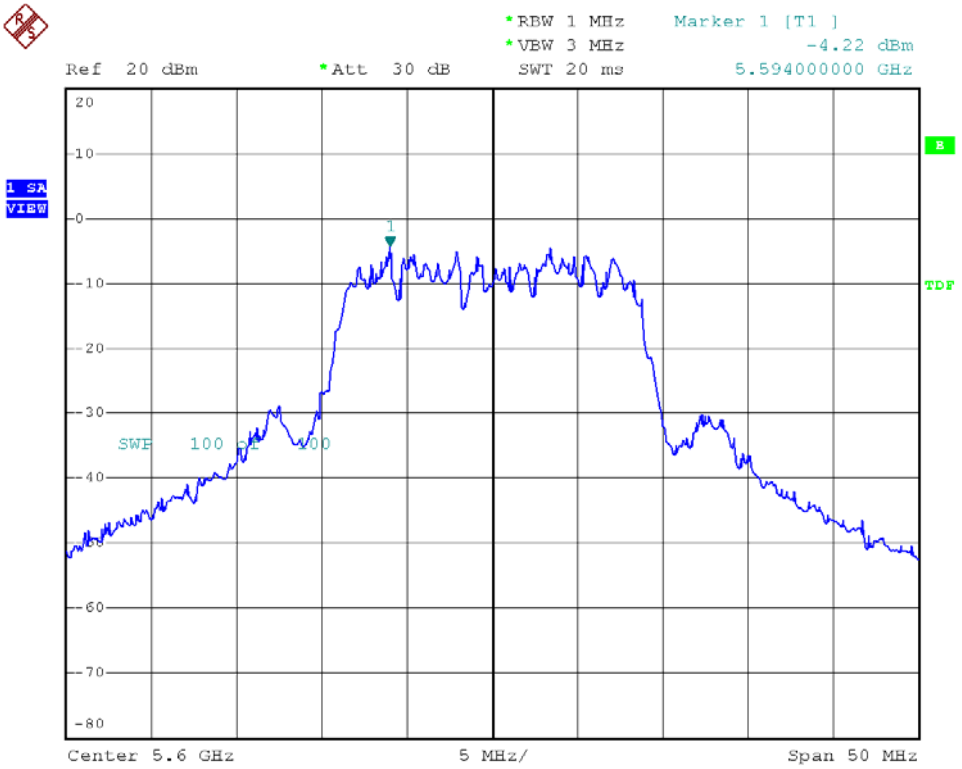
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 64



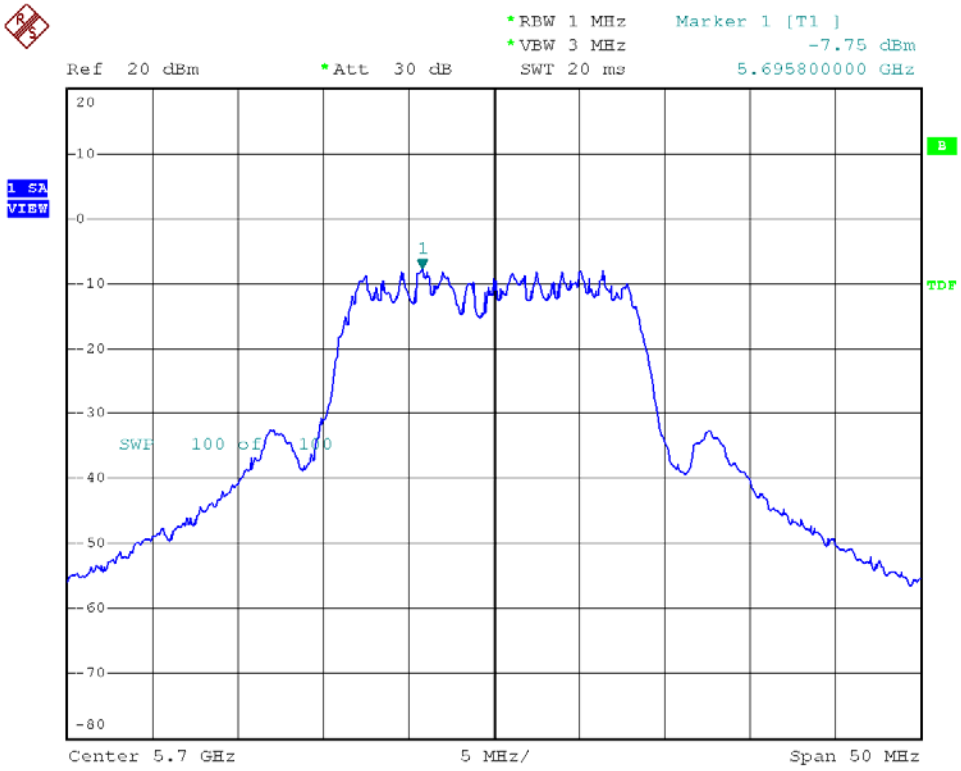
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 100



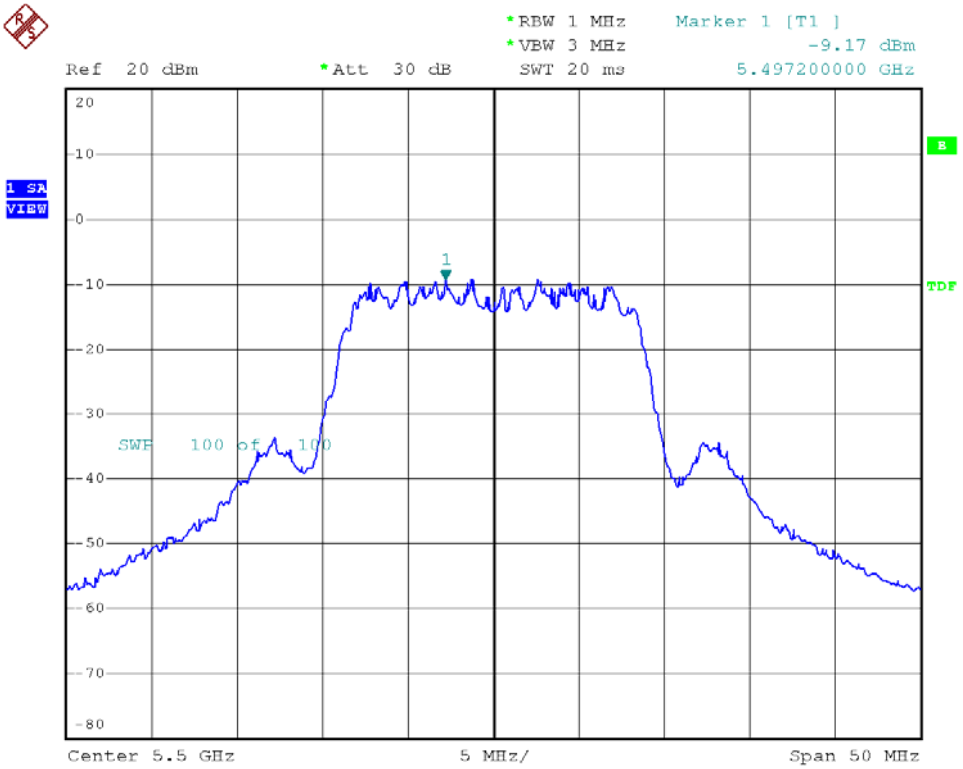
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 120



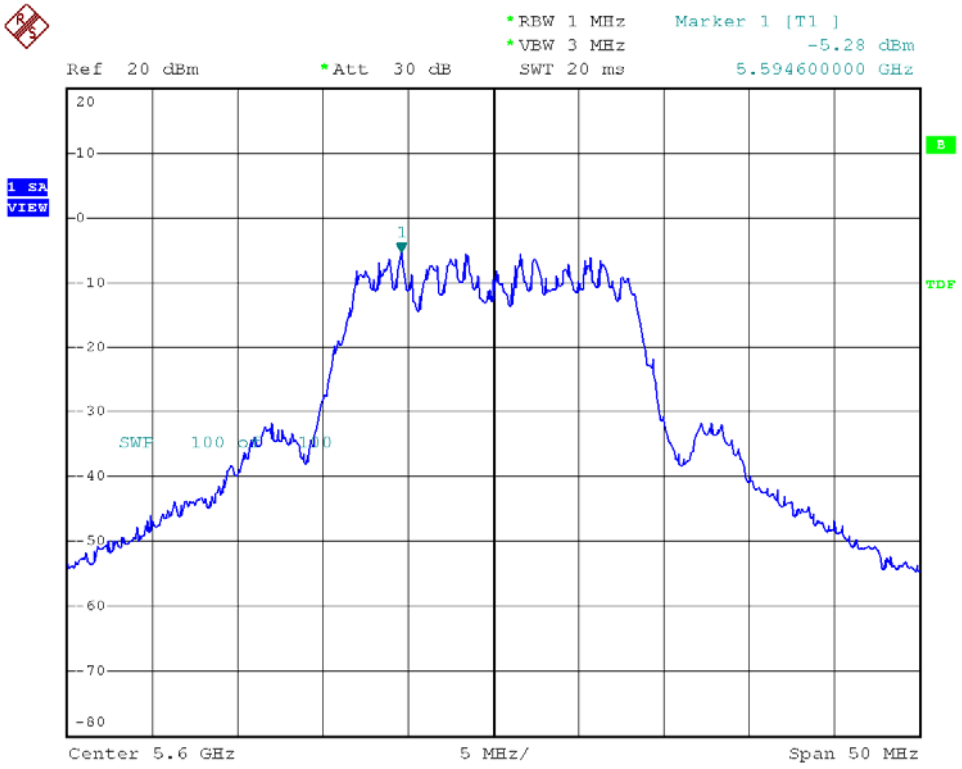
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 140



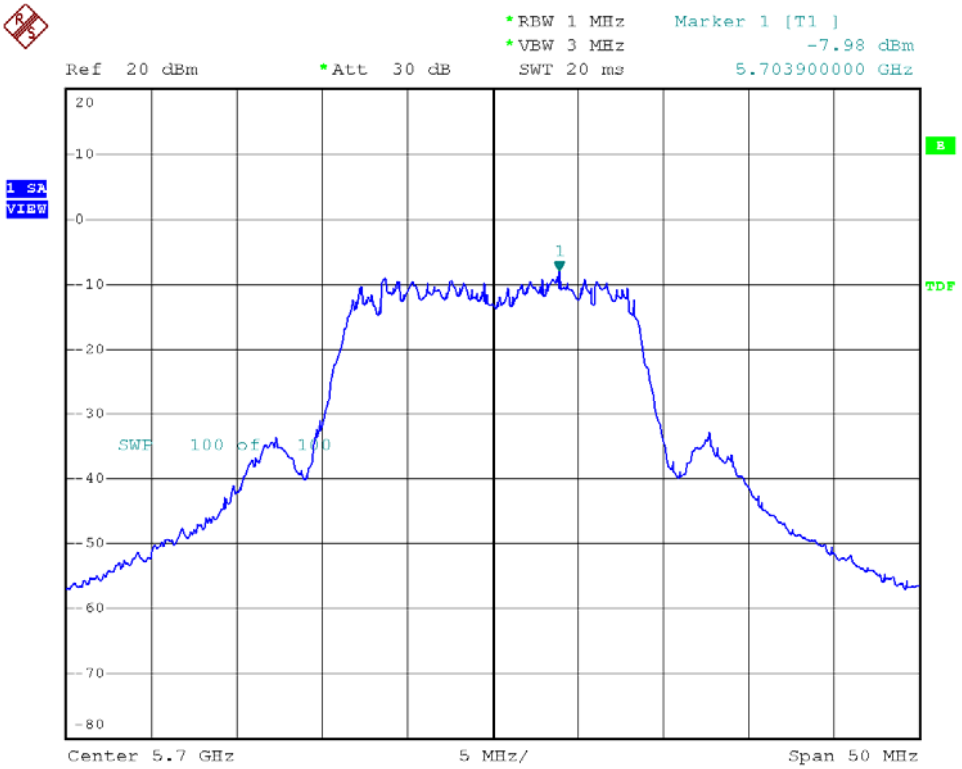
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 100



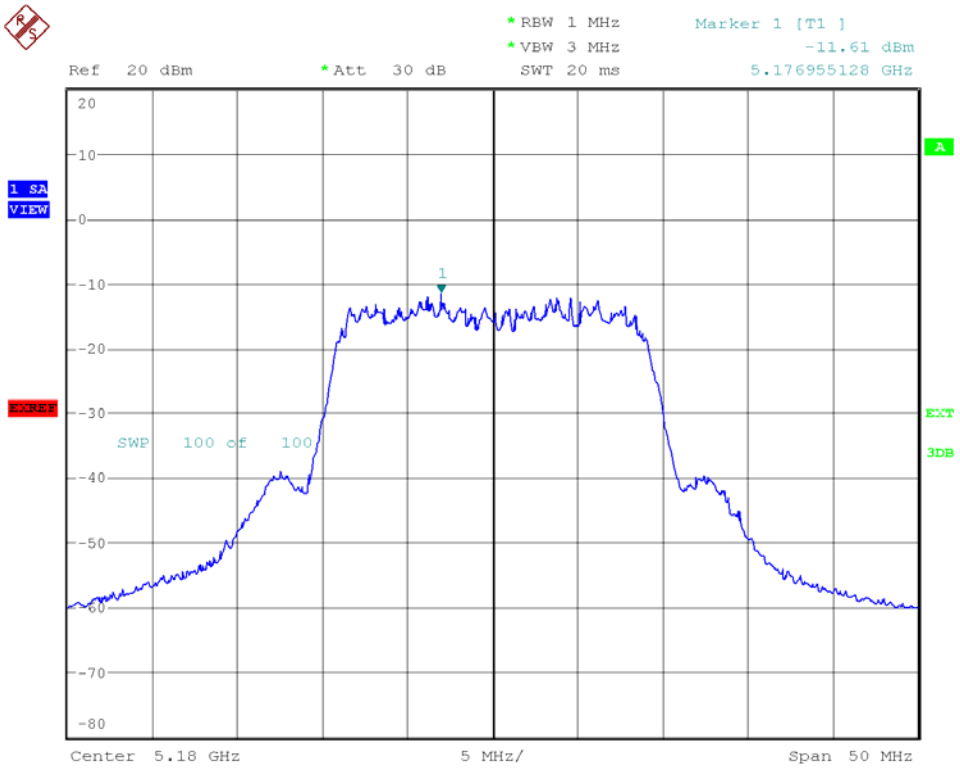
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 120



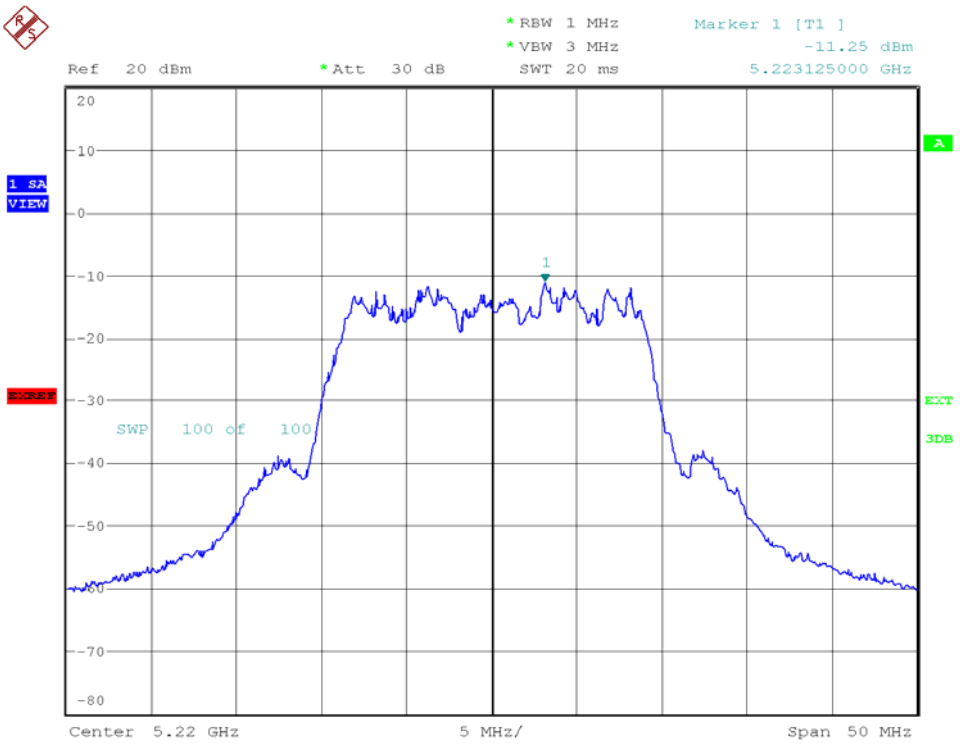
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 140



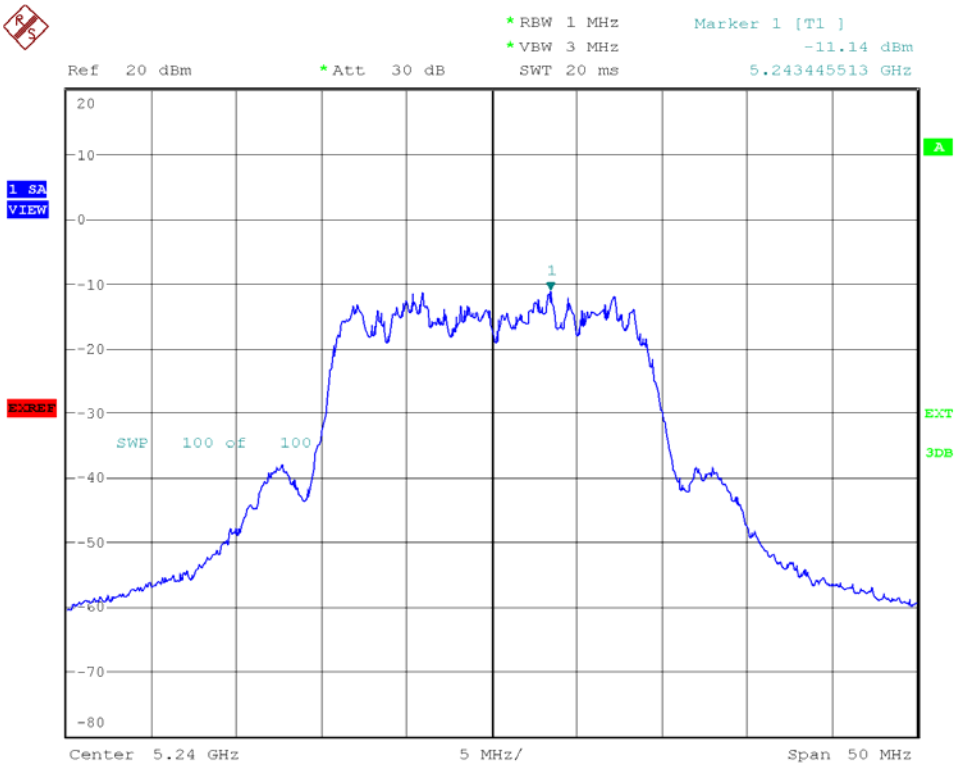
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 36



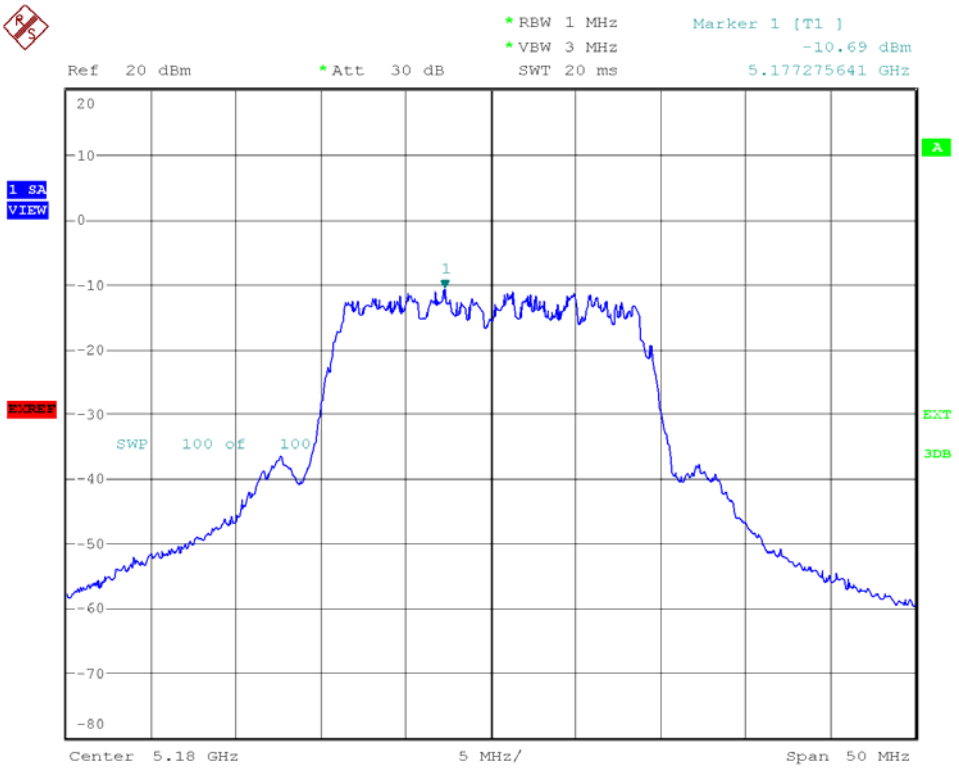
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 44



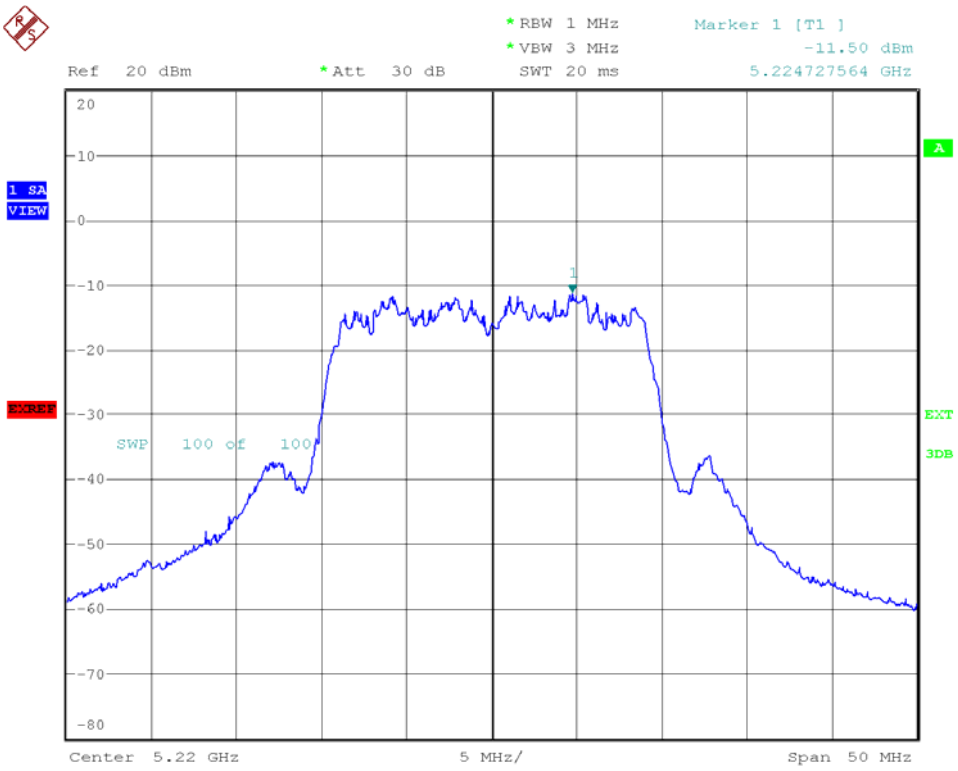
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 48



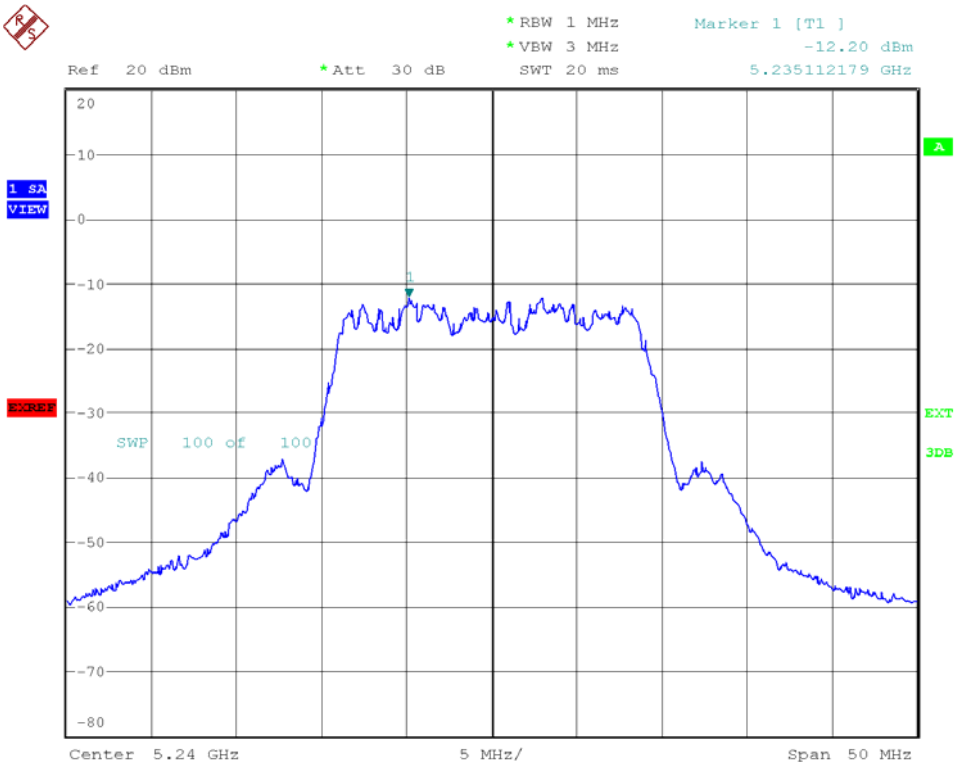
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 36



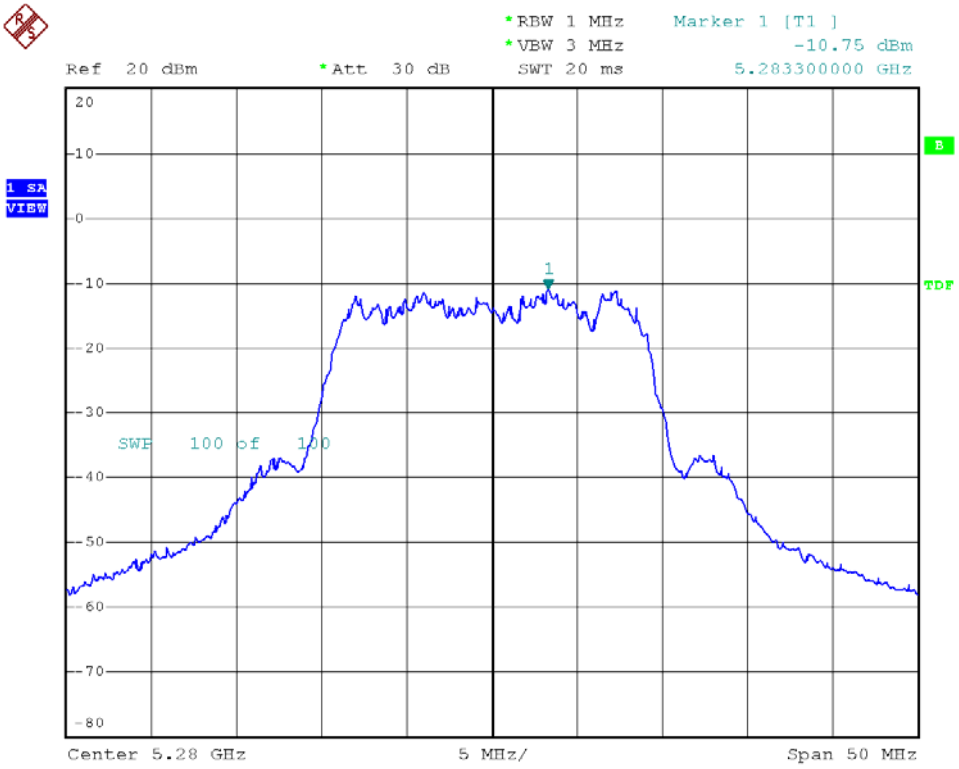
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 44



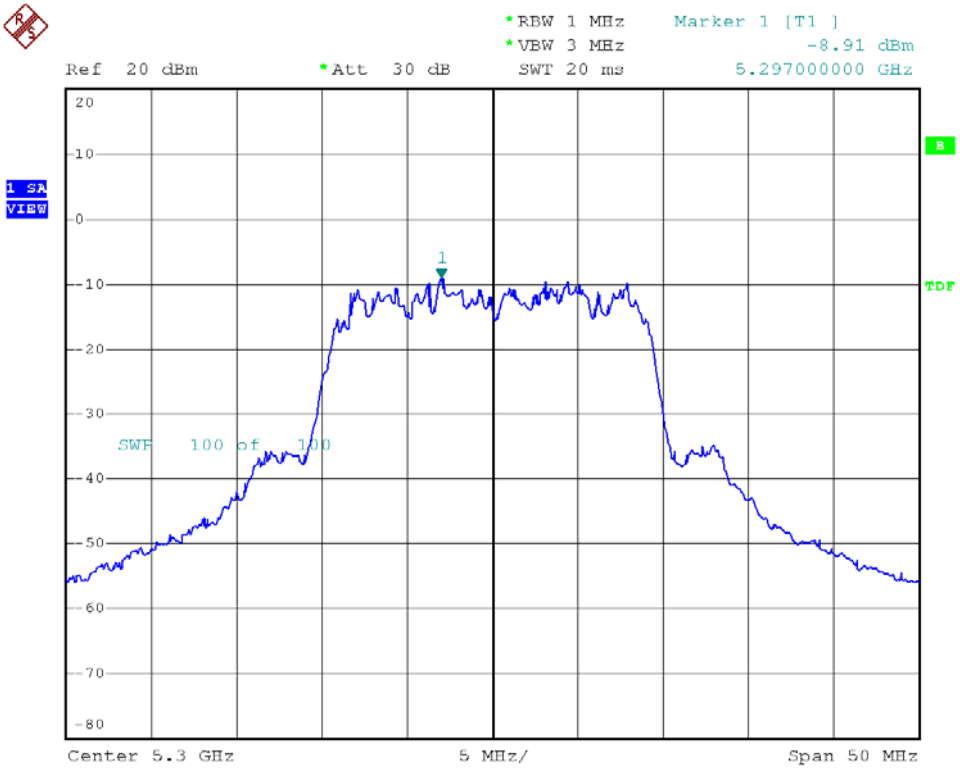
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 48



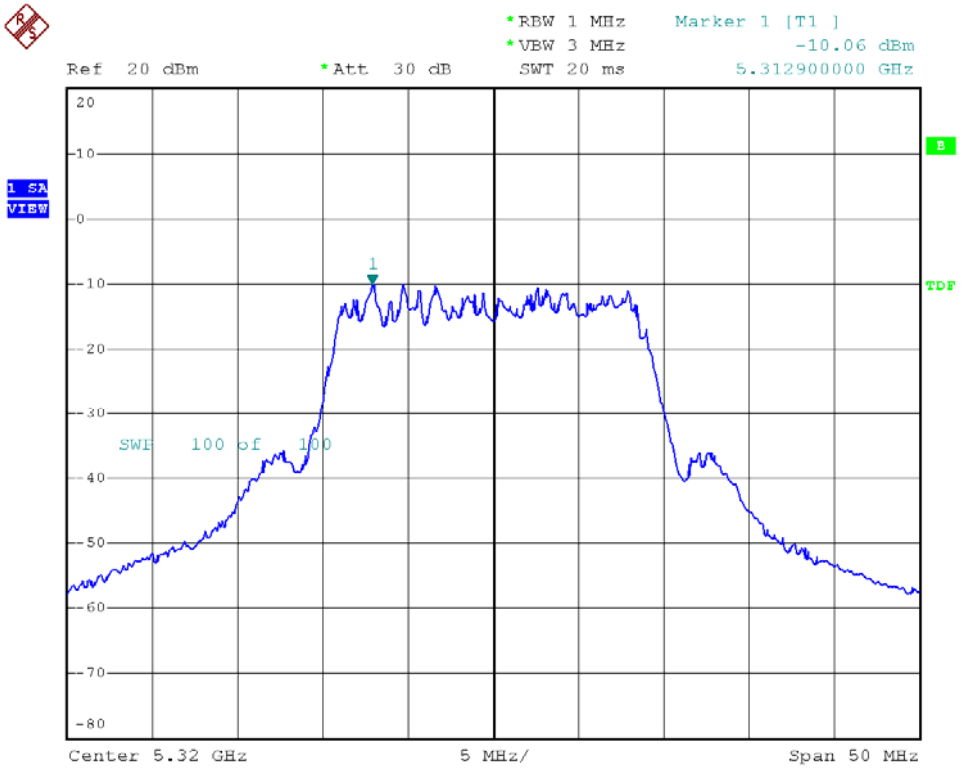
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 56



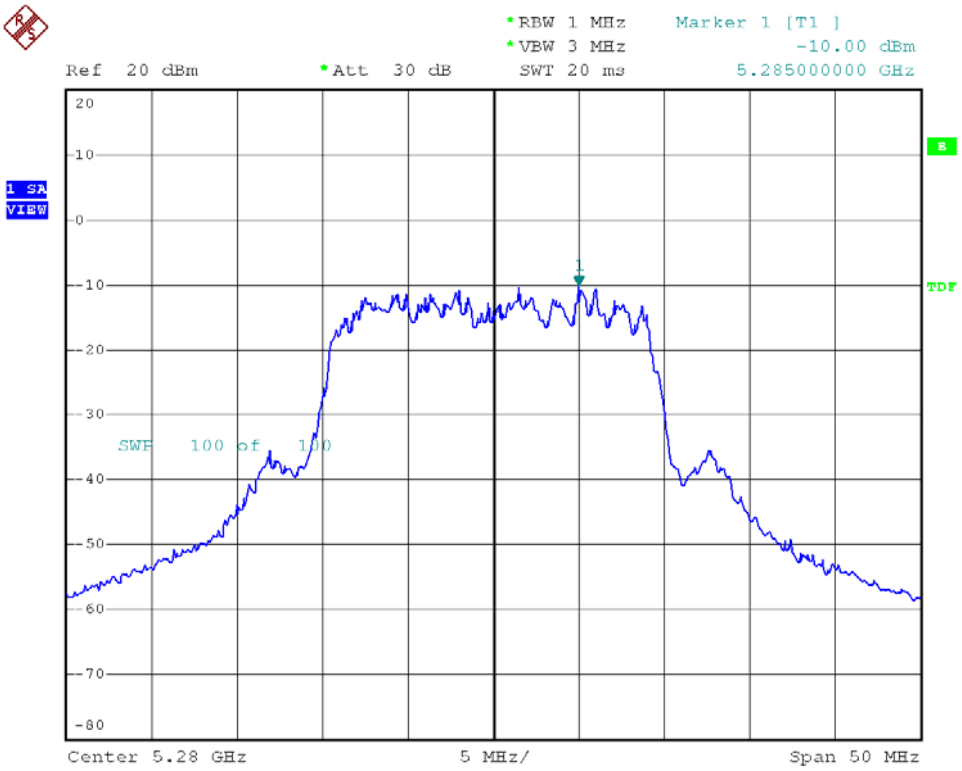
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 60



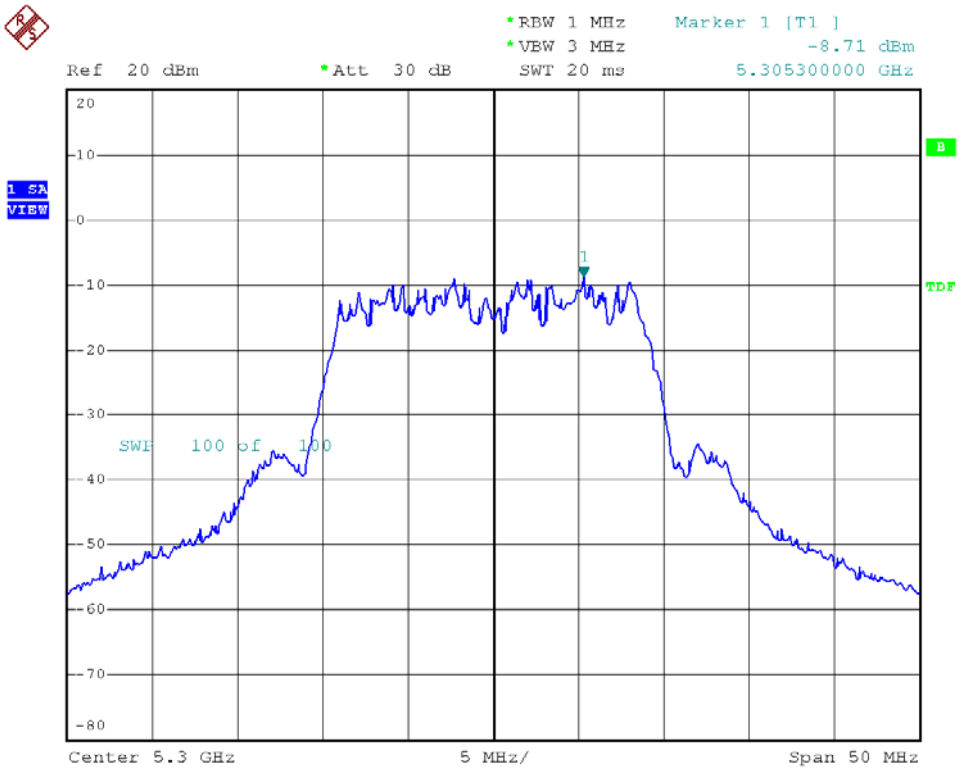
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 64



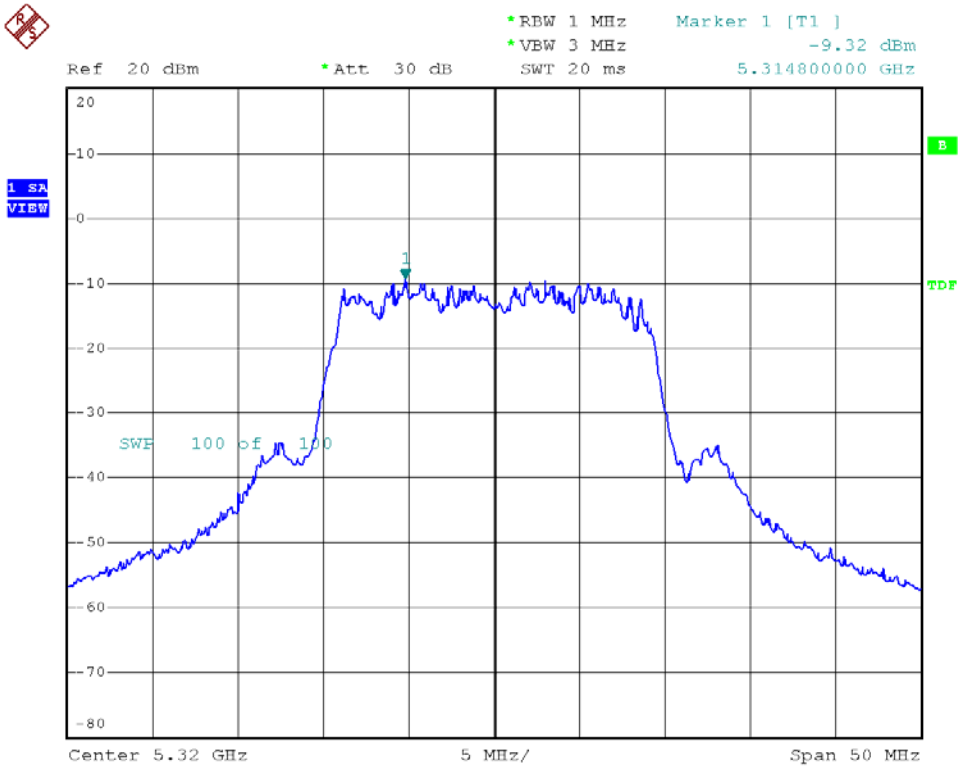
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 56



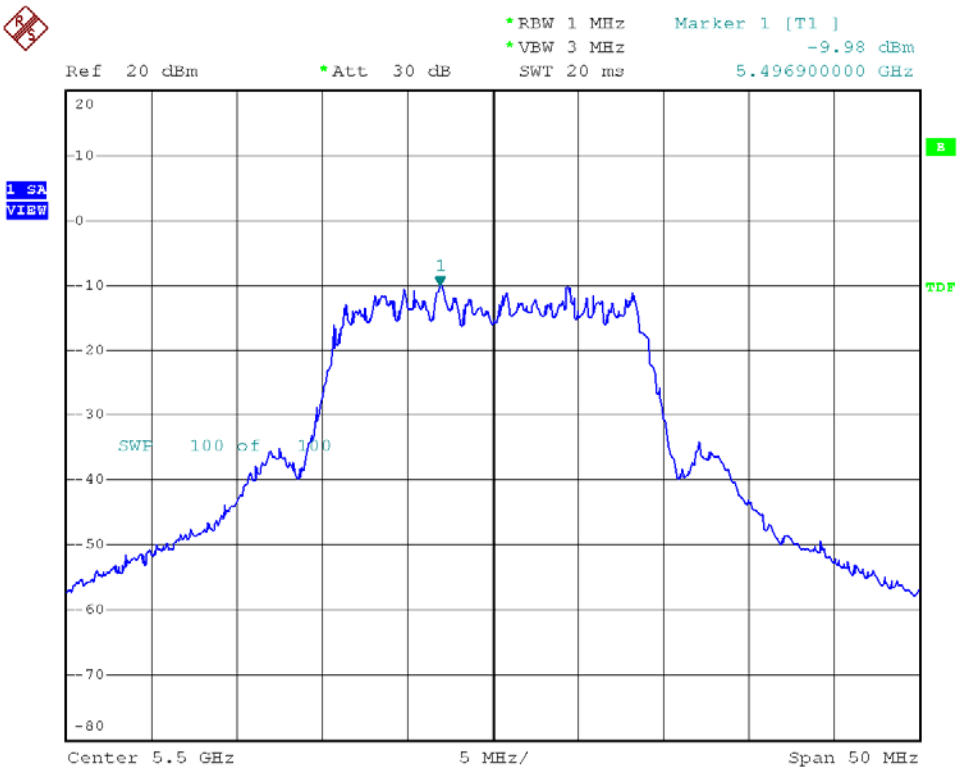
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 60



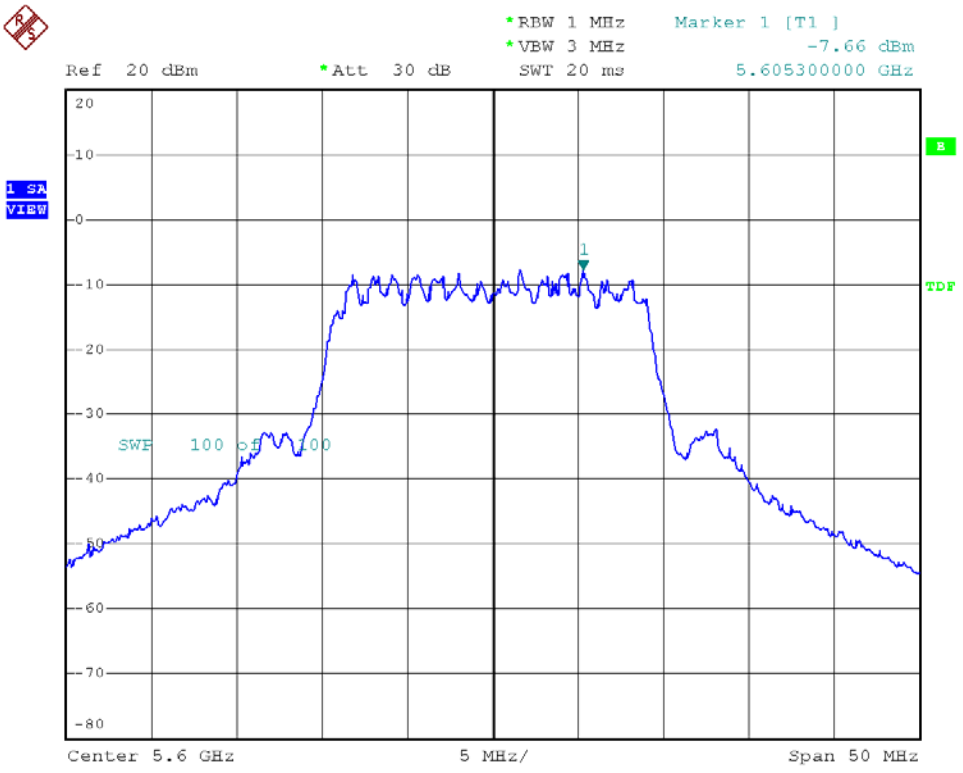
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 64



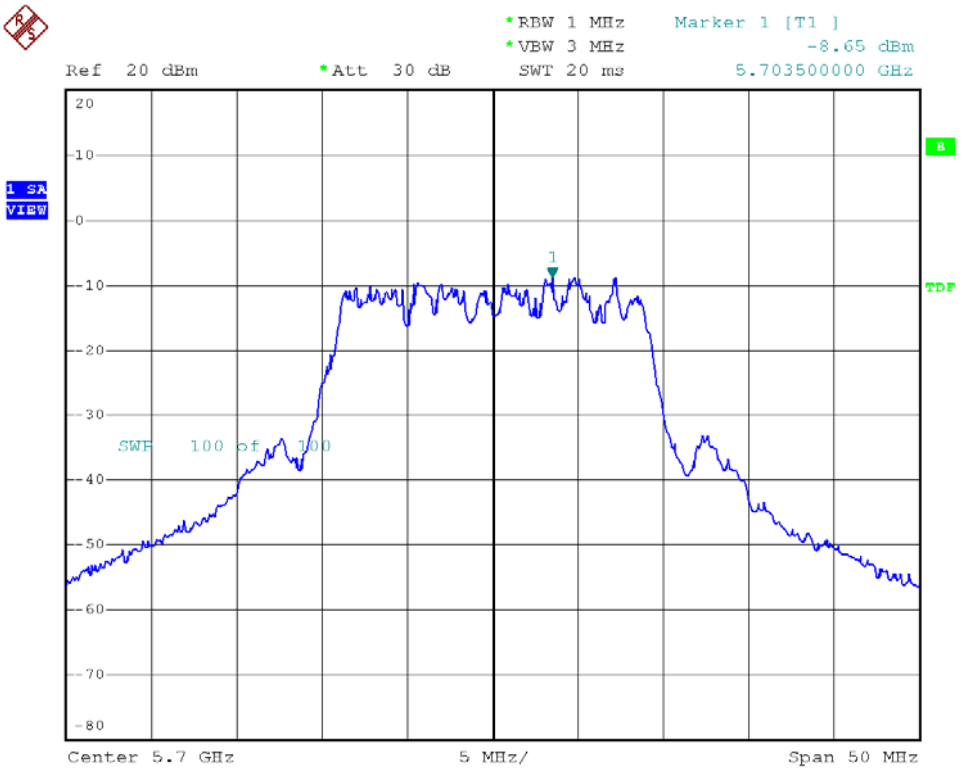
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 100



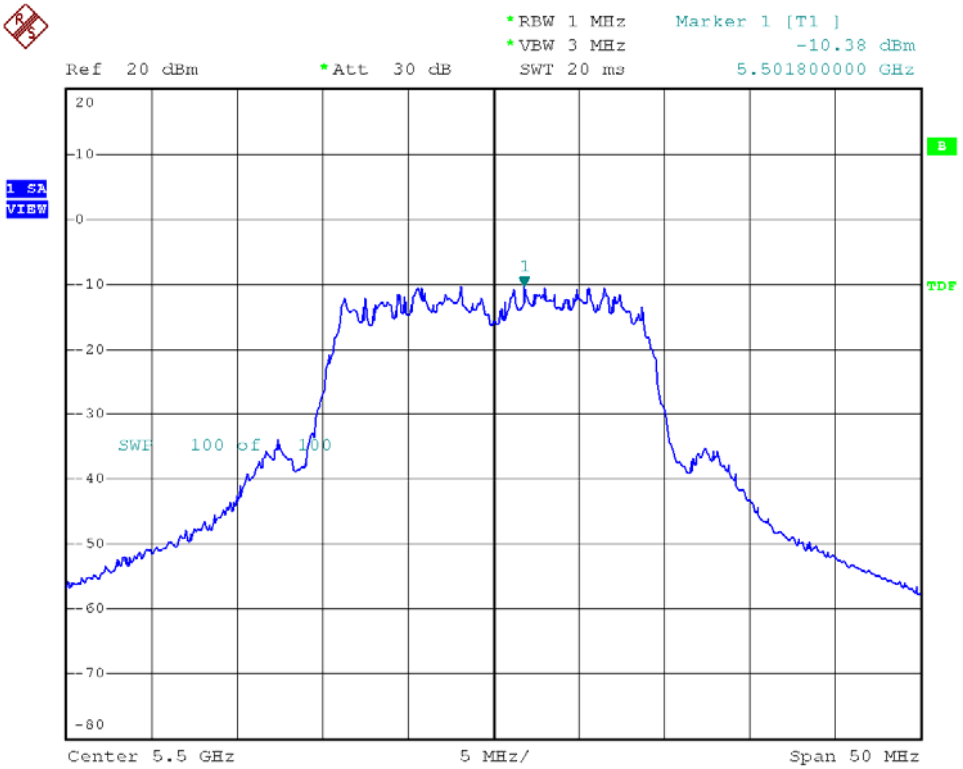
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 120



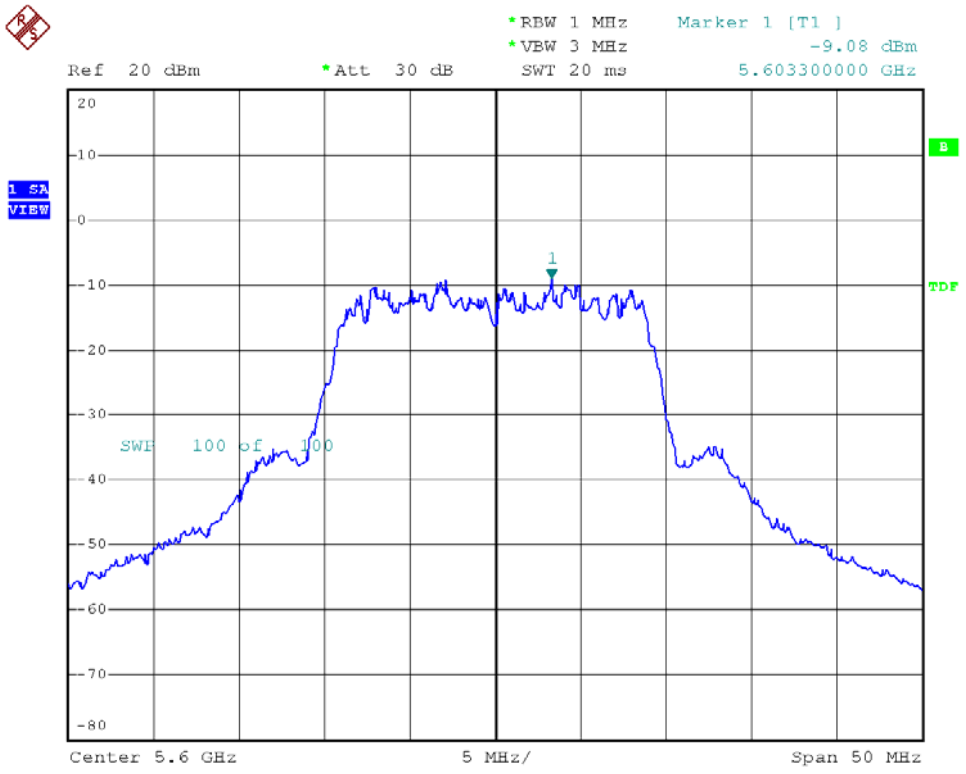
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 140



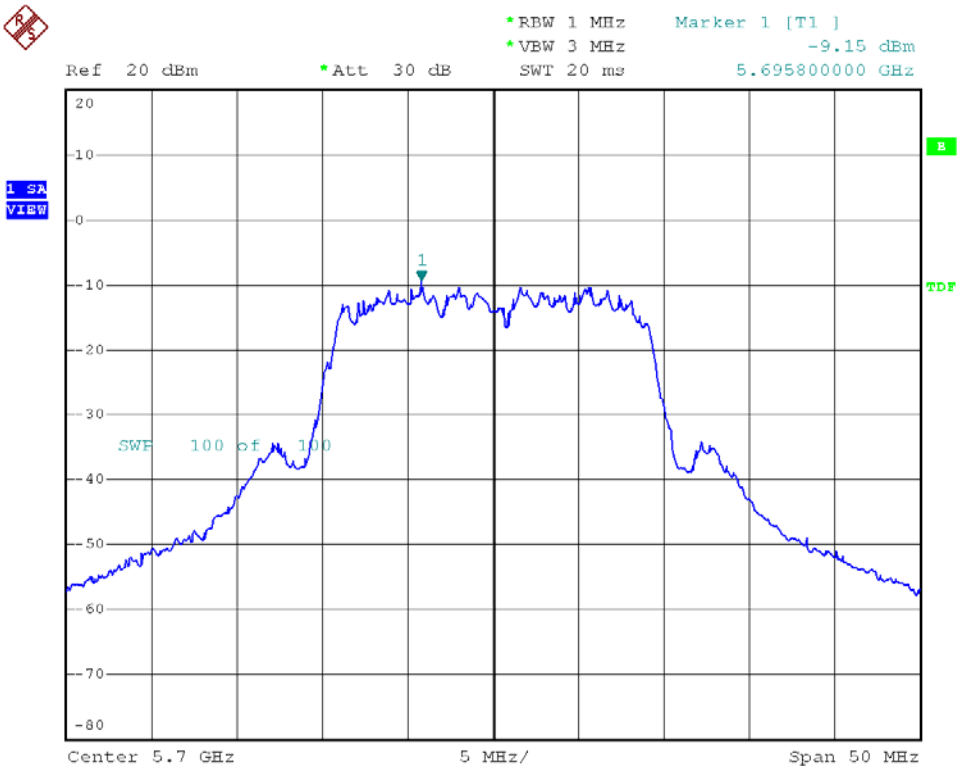
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 100



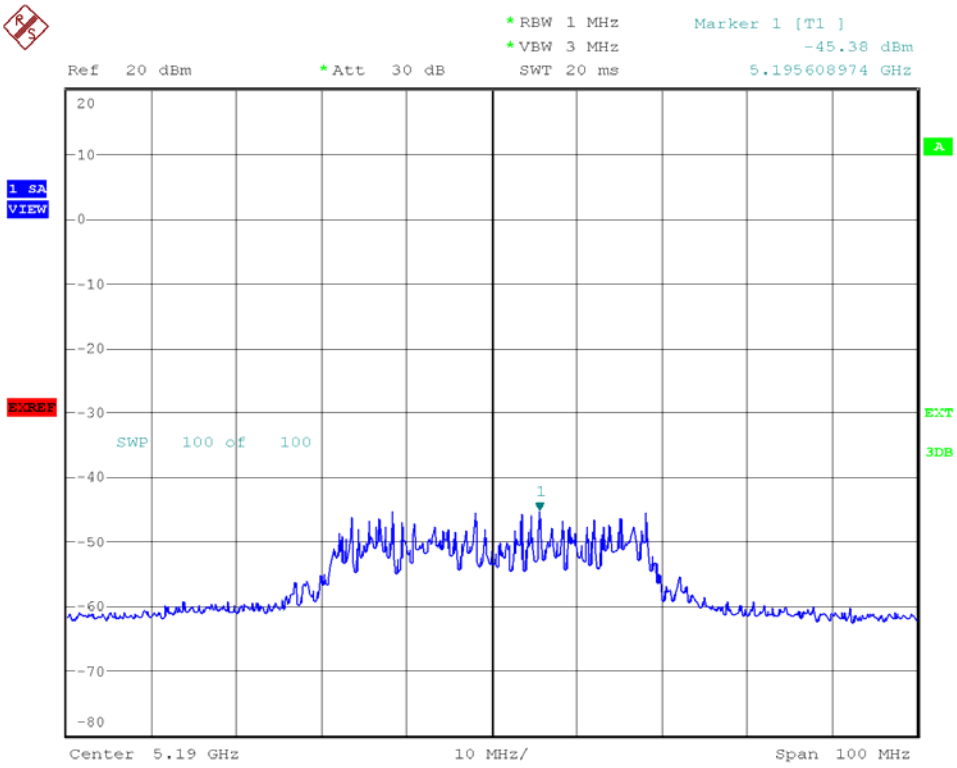
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 120



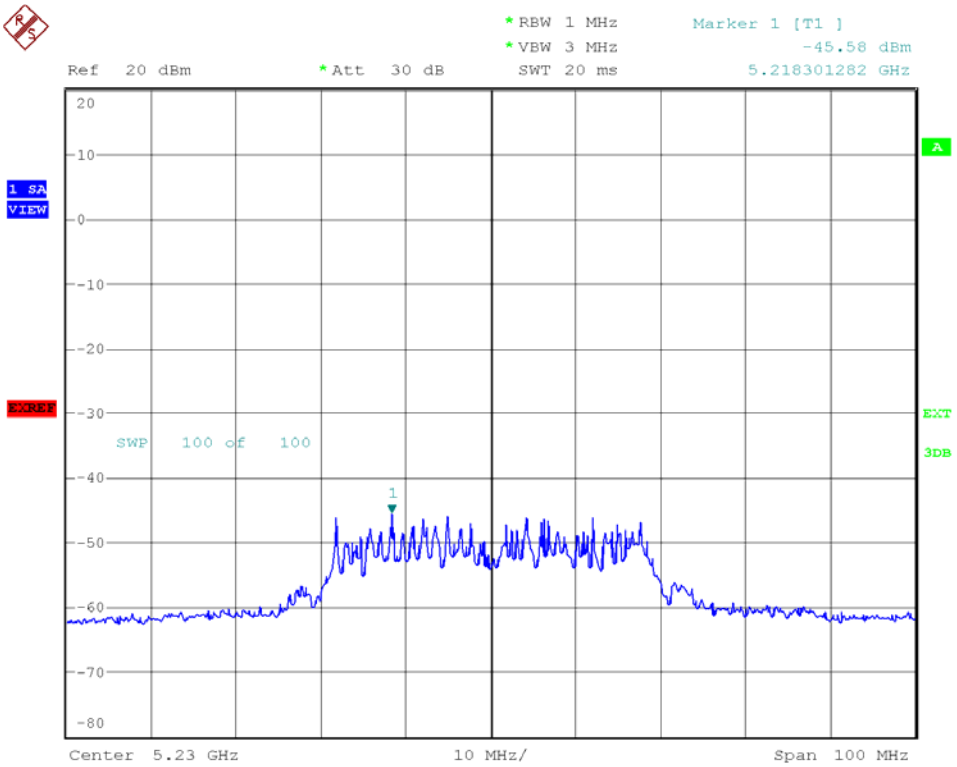
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 140



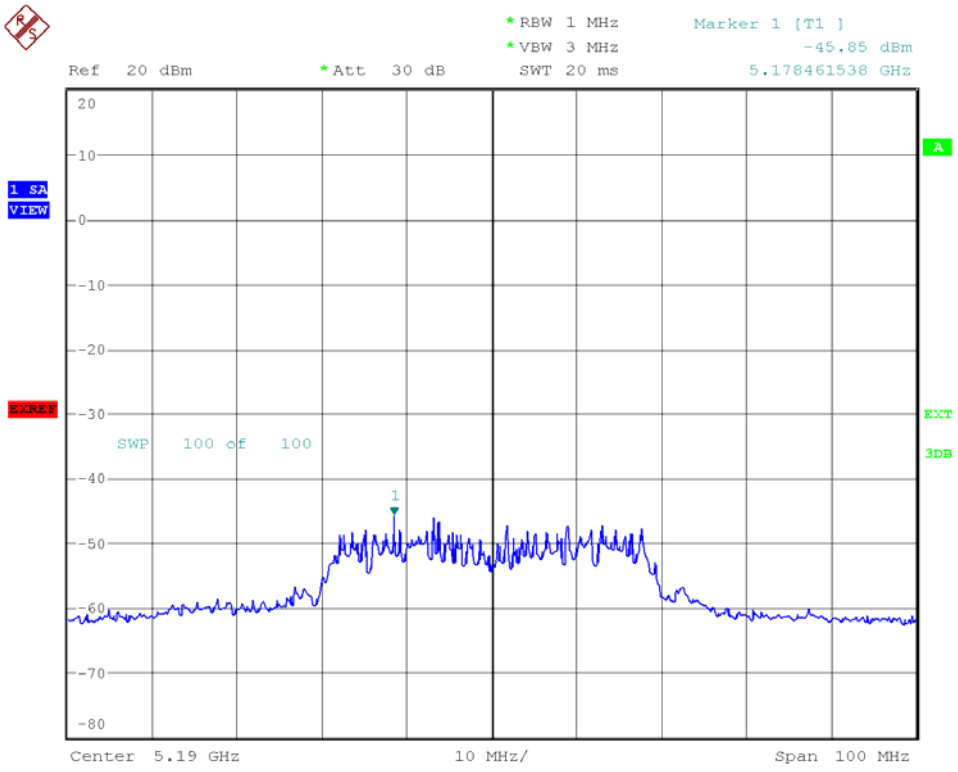
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 38



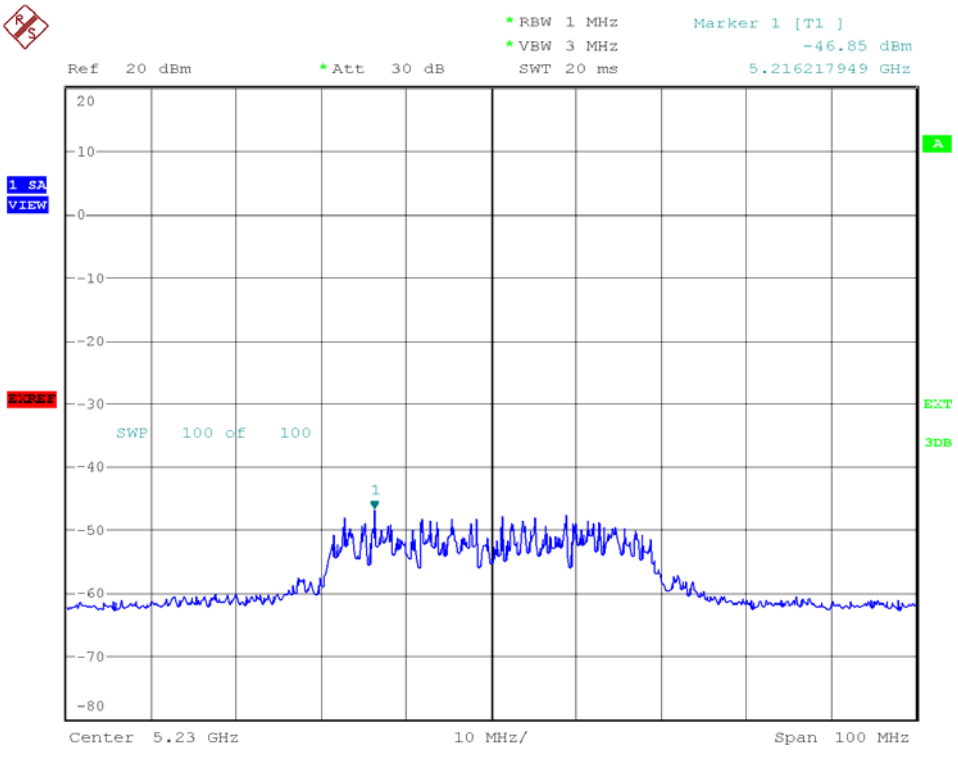
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 46



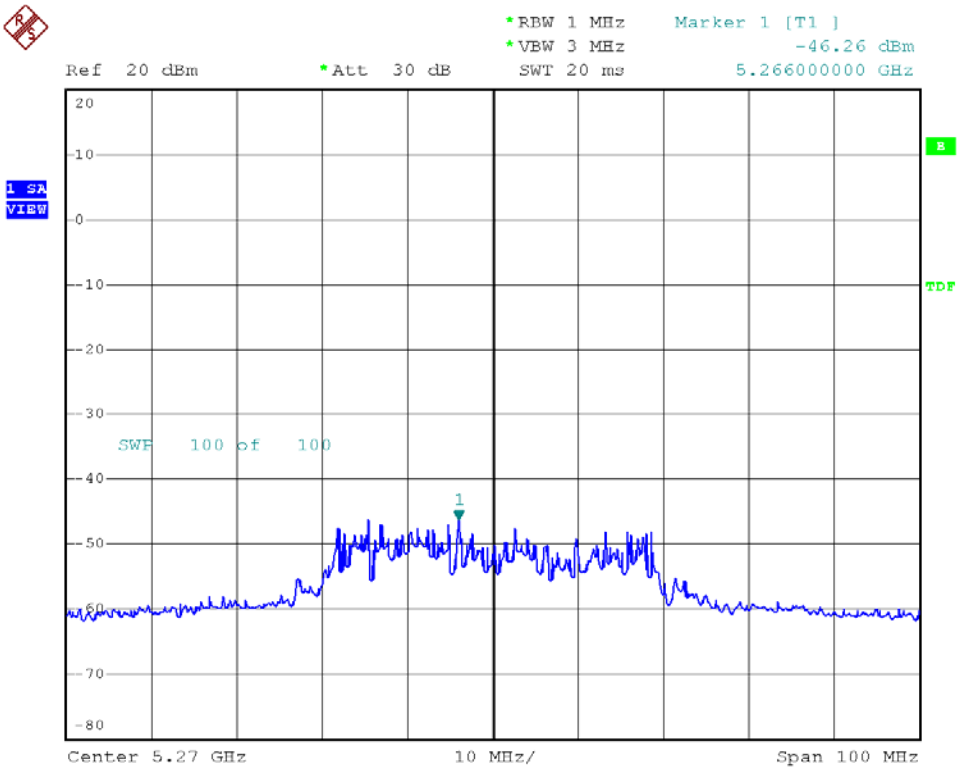
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 38



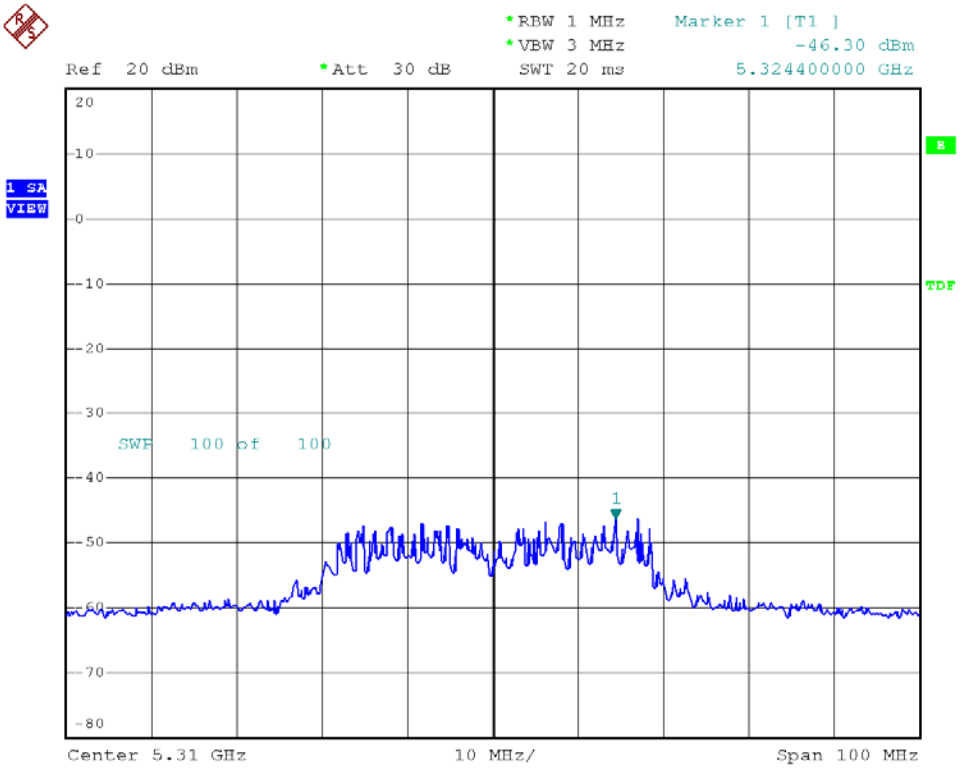
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 46



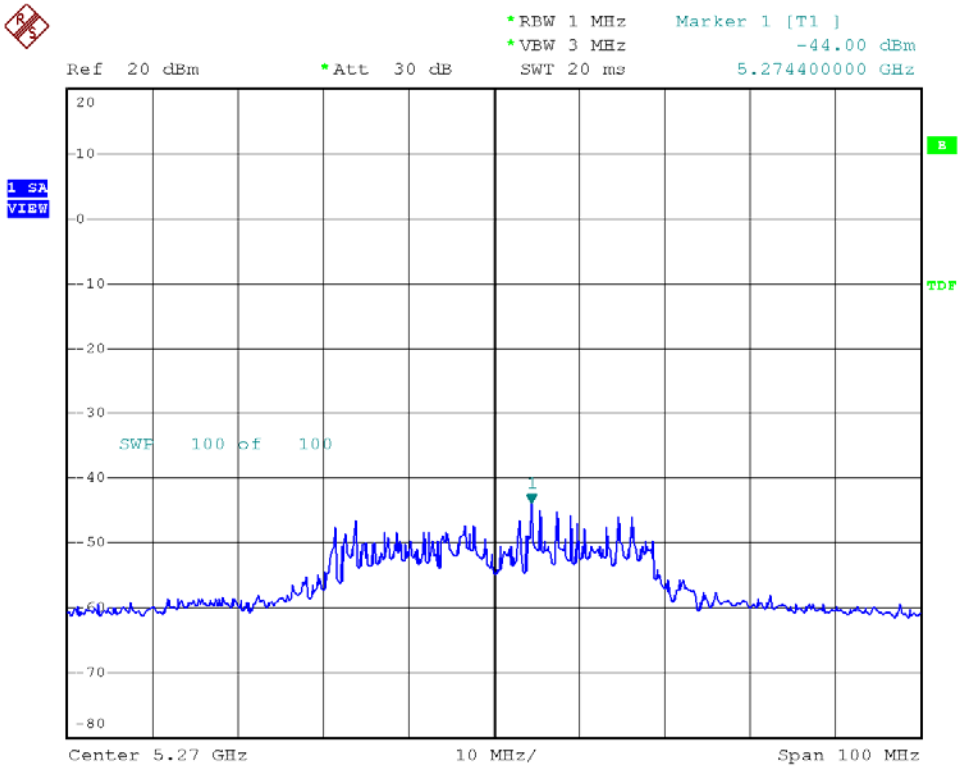
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 54



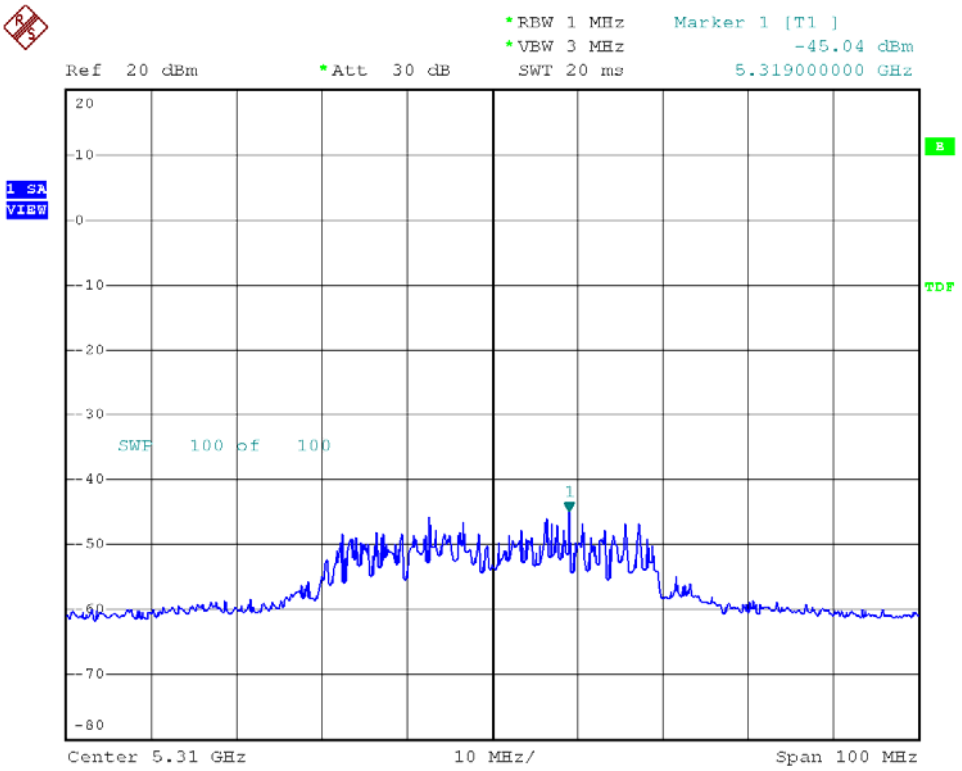
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 62



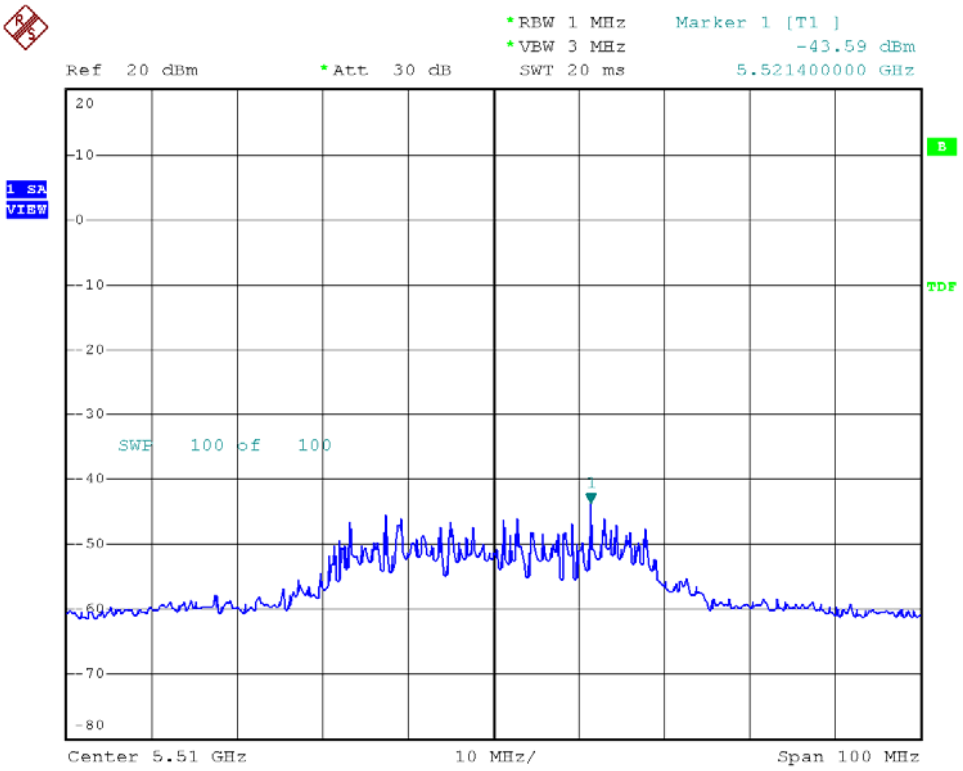
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 54



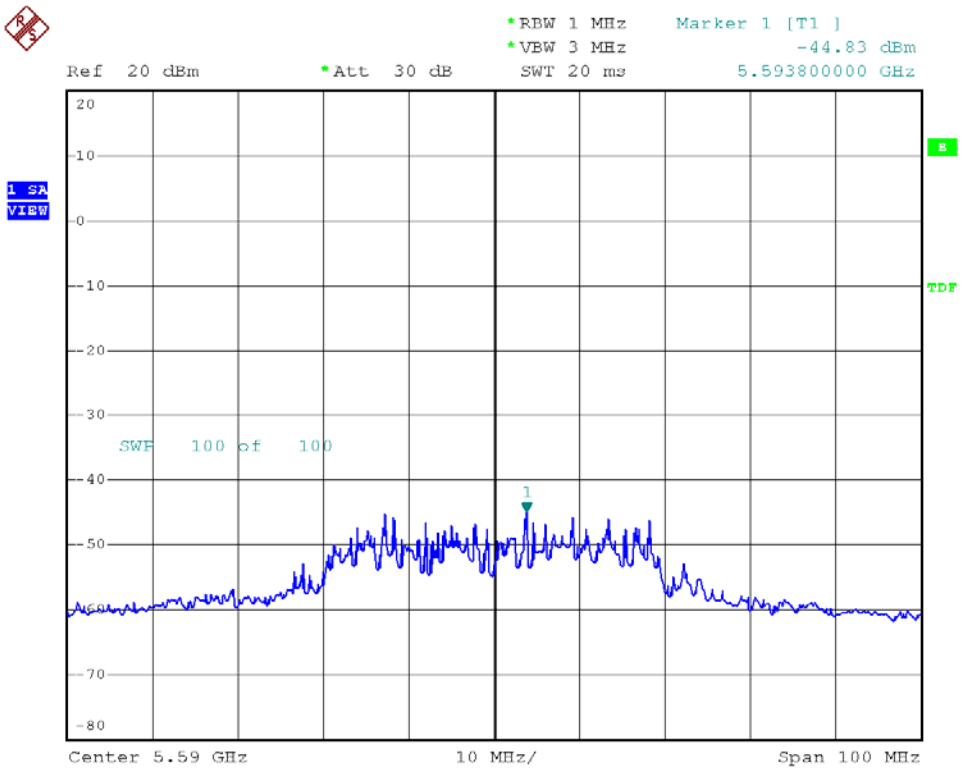
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 62



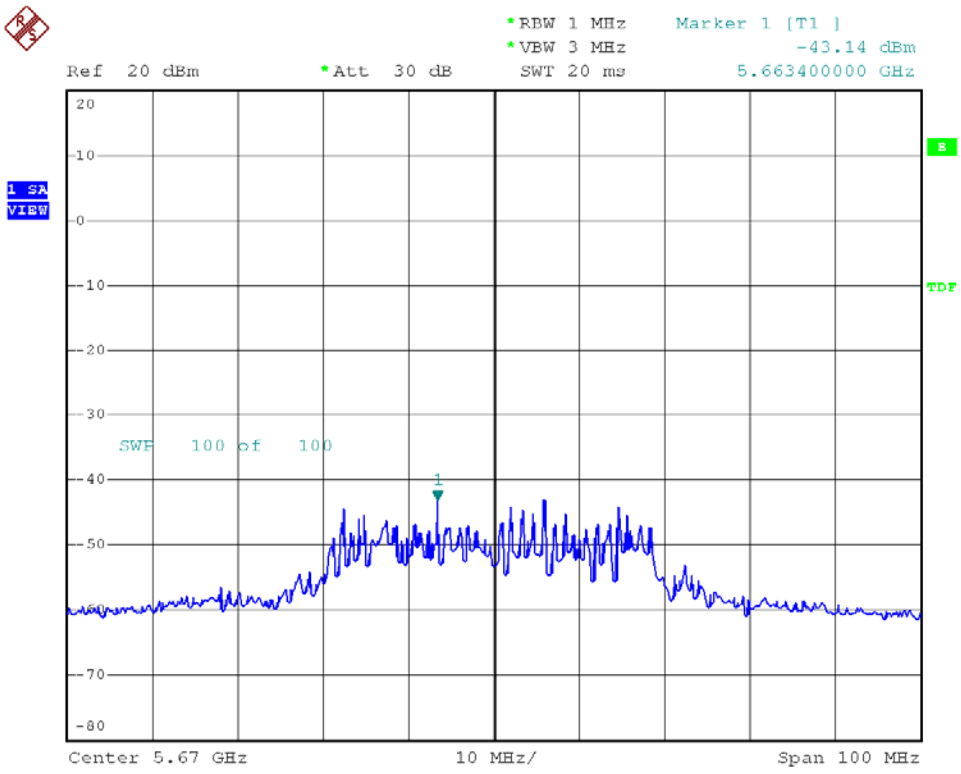
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 102



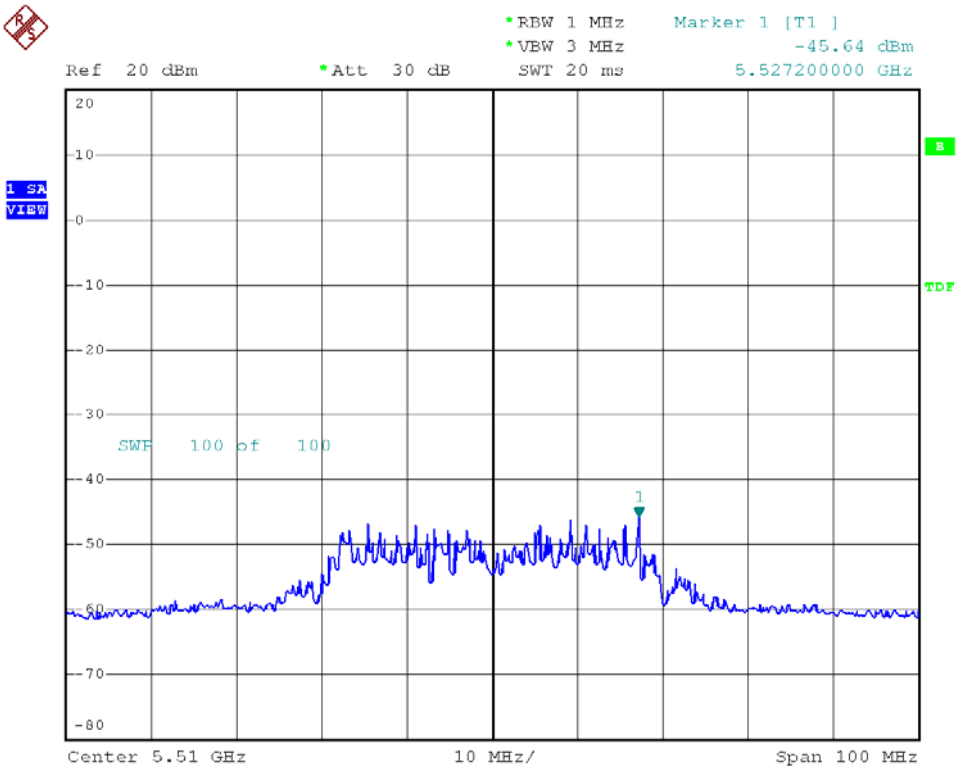
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 118



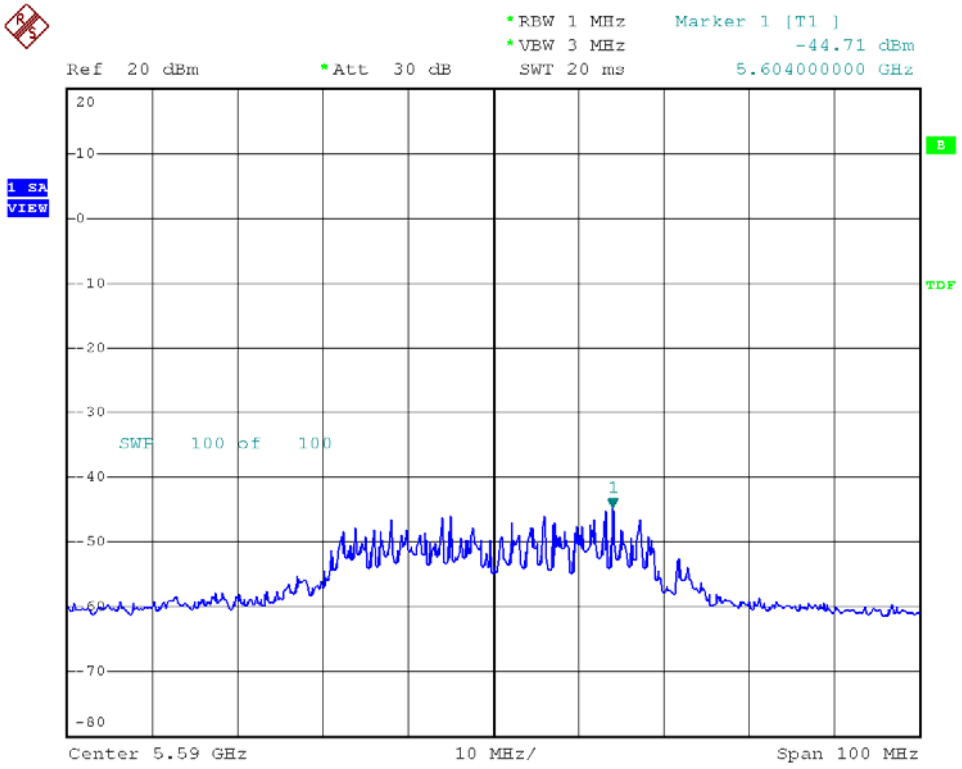
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 134



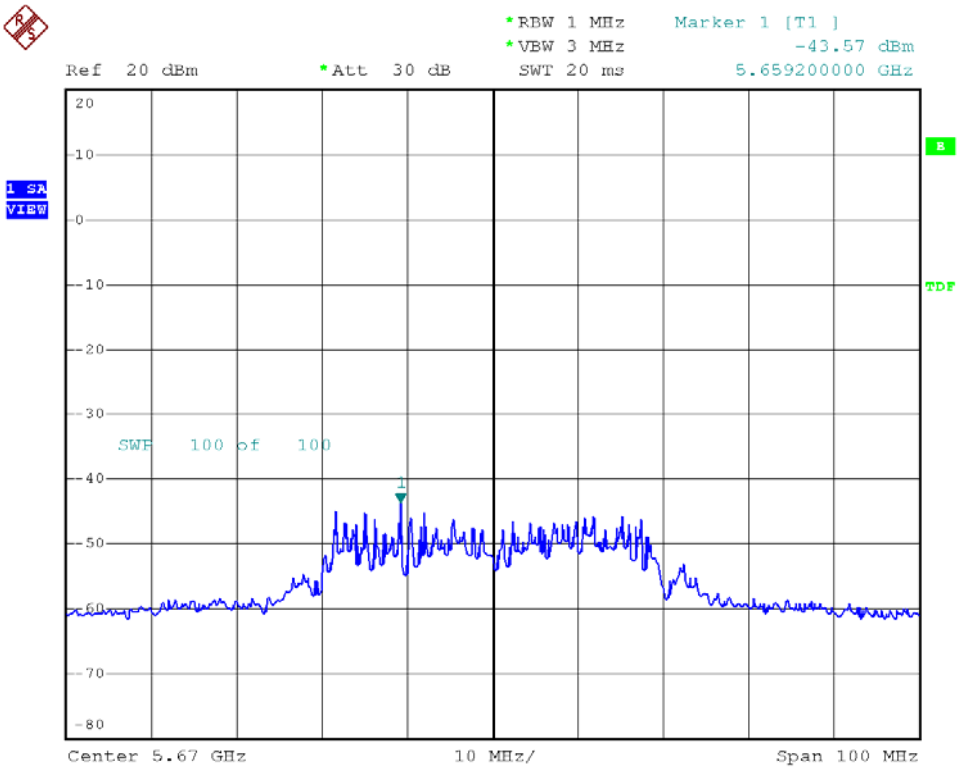
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 102



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 118



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 134

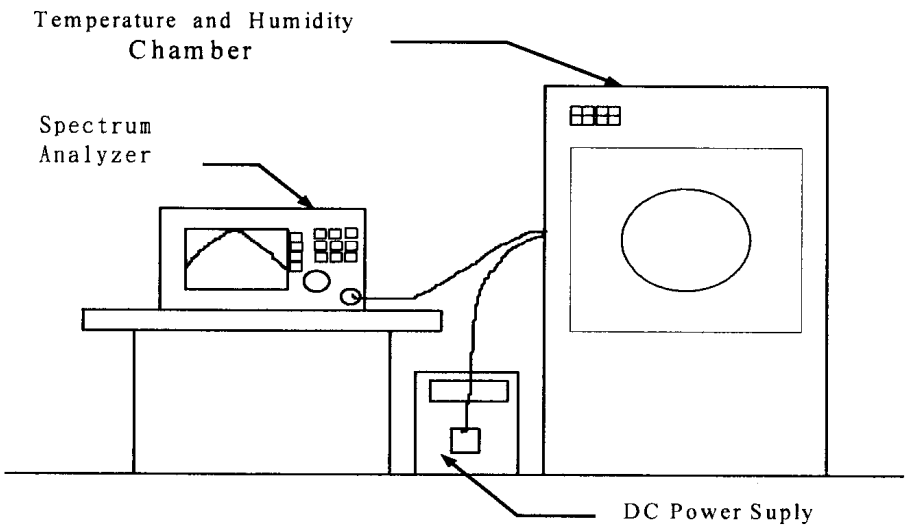


9. Frequency Stability

9.1. Test Procedure

1. The EUT was placed inside the Temperature and Humidity chamber.
2. The transmitter output was connected to spectrum analyzer.
3. Turn the EUT on and couple its output to a spectrum analyzer.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
6. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
7. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

9.2. Test Setup Layout



9.3. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20
TEMPERATURE CHAMBER	TMJ-9712	T MACHINE	T-12-040111	2009/01/23	2010/01/22
DC Power Supply	GPD-3030	GM	7020936	N/A	N/A
AC POWER CONVERTER	AFC-11005	APC	F103120008	N/A	N/A

9.4. Test Result and Data

Operating frequency: 5230 MHz							
Temp (°C)	Power supply (V)	2 minute		5 minute		10 minute	
		(MHz)	(%)	(MHz)	(%)	(MHz)	(%)
50	93.5	5230.0154	-0.190546%	5229.9235	-0.192300%	5229.9898	-0.191033%
	110	5230.0011	-0.190818%	5229.9446	-0.191898%	5229.9635	-0.191537%
	126.5	5229.9964	-0.190909%	5229.9537	-0.191724%	5229.9747	-0.191322%
40	93.5	5229.9856	-0.191115%	5229.9848	-0.191129%	5230.0052	-0.190740%
	110	5229.9742	-0.191331%	5230.0209	-0.190441%	5229.9755	-0.191307%
	126.5	5229.9707	-0.191399%	5229.9832	-0.191160%	5229.9776	-0.191267%
30	93.5	5230.0222	-0.190417%	5230.0064	-0.190718%	5229.9918	-0.190996%
	110	5230.0264	-0.190336%	5230.0052	-0.190740%	5229.9969	-0.190898%
	126.5	5229.9950	-0.190934%	5230.0087	-0.190674%	5229.9671	-0.191467%
20	93.5	5230.0273	-0.190319%	5230.0055	-0.190734%	5229.9933	-0.190968%
	110	5230.0100	-0.190649%	5229.9799	-0.191223%	5230.0126	-0.190599%
	126.5	5230.0176	-0.190503%	5230.0136	-0.190581%	5229.9701	-0.191410%
10	93.5	5229.9975	-0.190887%	5230.0114	-0.190622%	5230.0005	-0.190830%
	110	5230.0162	-0.190530%	5229.9739	-0.191337%	5230.0063	-0.190719%
	126.5	5230.0165	-0.190525%	5229.9956	-0.190924%	5229.9877	-0.191075%
0	93.5	5229.9989	-0.190861%	5229.9922	-0.190989%	5229.9736	-0.191344%
	110	5230.0172	-0.190511%	5229.9724	-0.191367%	5229.9831	-0.191162%
	126.5	5229.9906	-0.191018%	5229.9699	-0.191415%	5229.9819	-0.191186%
-10	93.5	5229.9673	-0.191465%	5229.9669	-0.191471%	5230.0188	-0.190480%
	110	5229.9581	-0.191639%	5230.0116	-0.190618%	5230.0183	-0.190491%
	126.5	5229.9799	-0.191222%	5229.9931	-0.190972%	5229.9904	-0.191022%
-20	93.5	5230.0184	-0.190488%	5230.0091	-0.190667%	5230.0186	-0.190485%
	110	5230.0134	-0.190584%	5230.0010	-0.190821%	5230.0258	-0.190347%
	126.5	5229.9848	-0.191129%	5230.0152	-0.190549%	5230.0168	-0.190519%
-30	93.5	5230.0174	-0.190508%	5230.0033	-0.190777%	5230.0017	-0.190807%
	110	5230.0212	-0.190435%	5229.9960	-0.190917%	5230.0191	-0.190475%
	126.5	5230.0146	-0.190561%	5230.0024	-0.190794%	5230.0355	-0.190162%

Limit :

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

10. Band Edges Measurement

10.1. Test Procedure

1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
2. Set both RBW and VBW of spectrum analyzer to 100 KHz with convenient frequency span including 100 MHz bandwidth from band edge
3. The band edges was measured and recorded.

10.2. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	10047	2009/02/21	2010/02/20

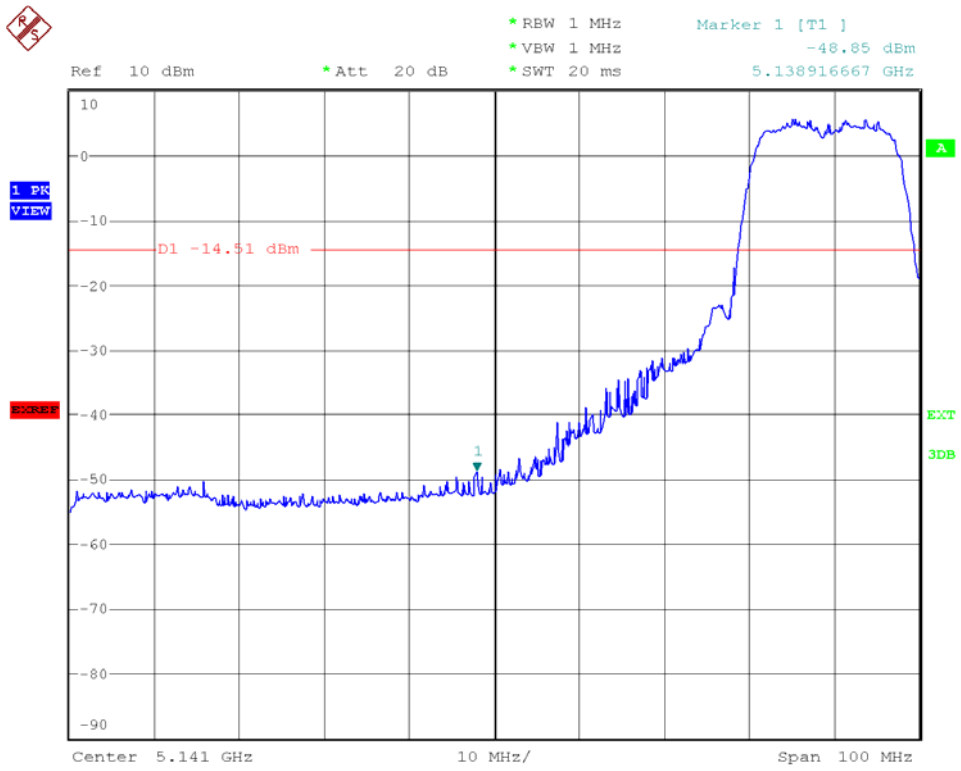
10.3. Test Result and Data

Test Date: Mar. 11, 2009 Temperature: 26℃

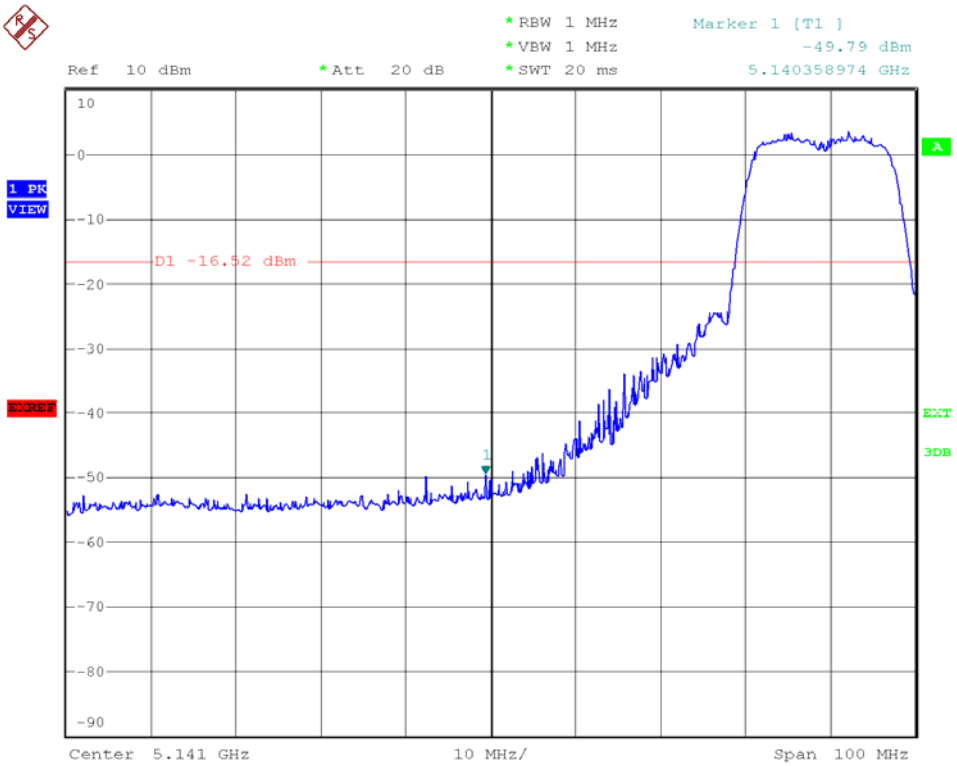
Atmospheric pressure: 1025 hPa Humidity: 48%

Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)		maximum value (dBm)	
			Ant R	Ant L	Ant R	Ant L
802.11a (6Mbps)	36	5180	5138.91	5140.35	-48.85	-49.79
	64	5320	5350.40	5350.40	-39.73	-41.76
802.11an HT20 (130Mbps)	36	5180	5140.20	5140.40	-45.62	-47.34
	64	5320	5350.40	5350.40	-46.05	-45.75
802.11an HT40 (270Mbps)	38	5190	5140.10	5139.80	-46.95	-42.11
	62	5310	5354.80	5353.00	-43.42	-41.98

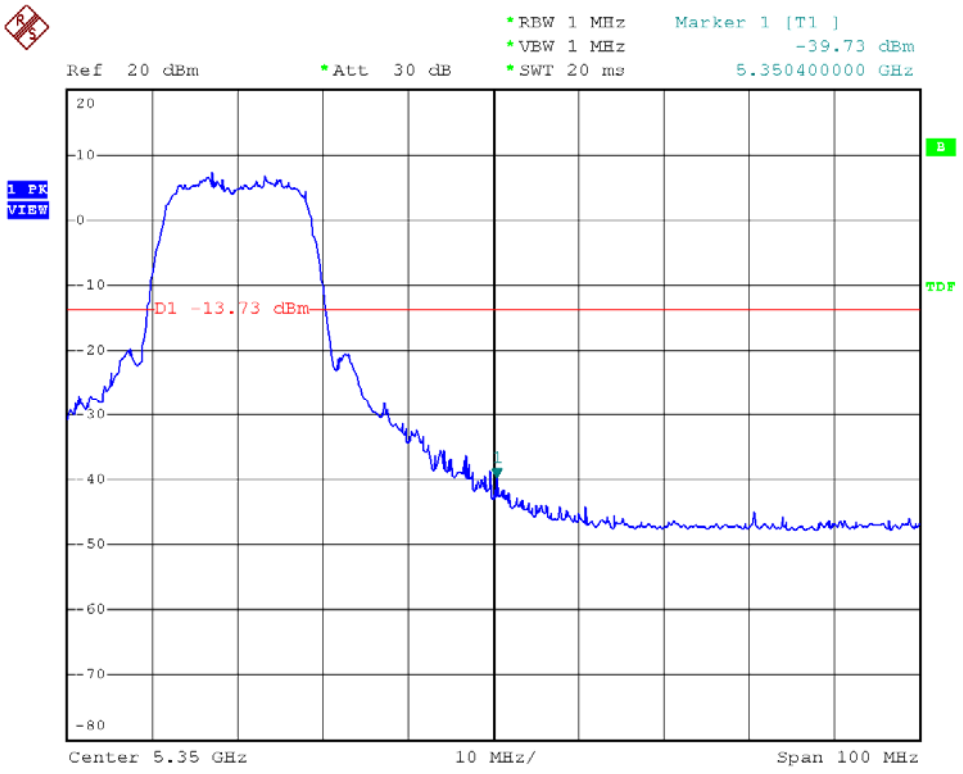
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 36



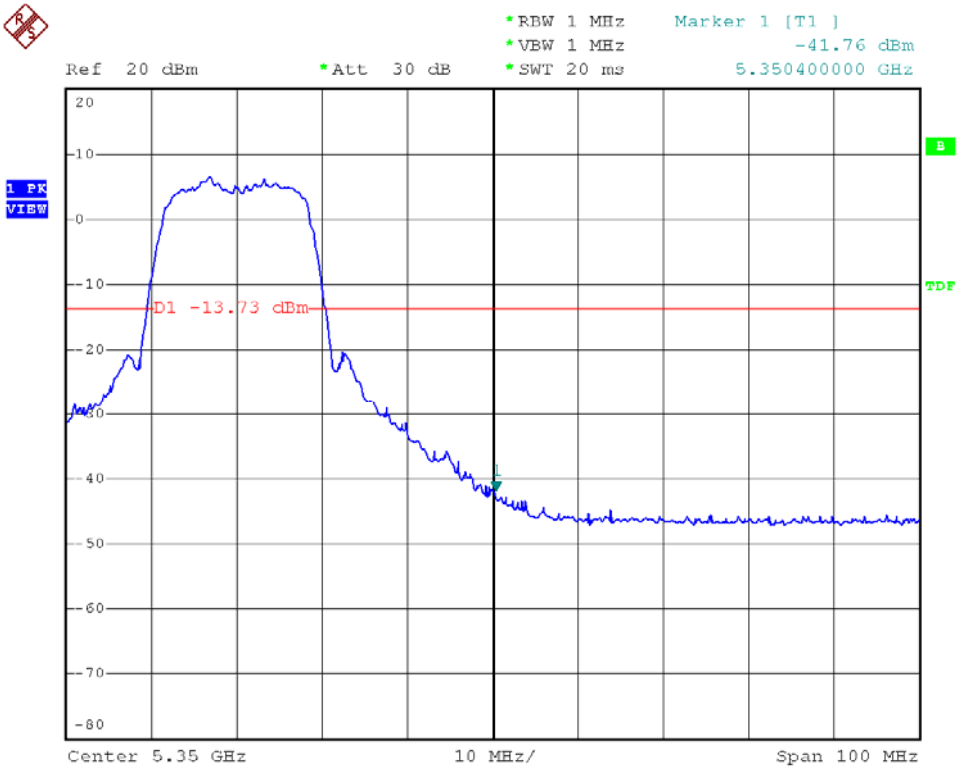
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 36



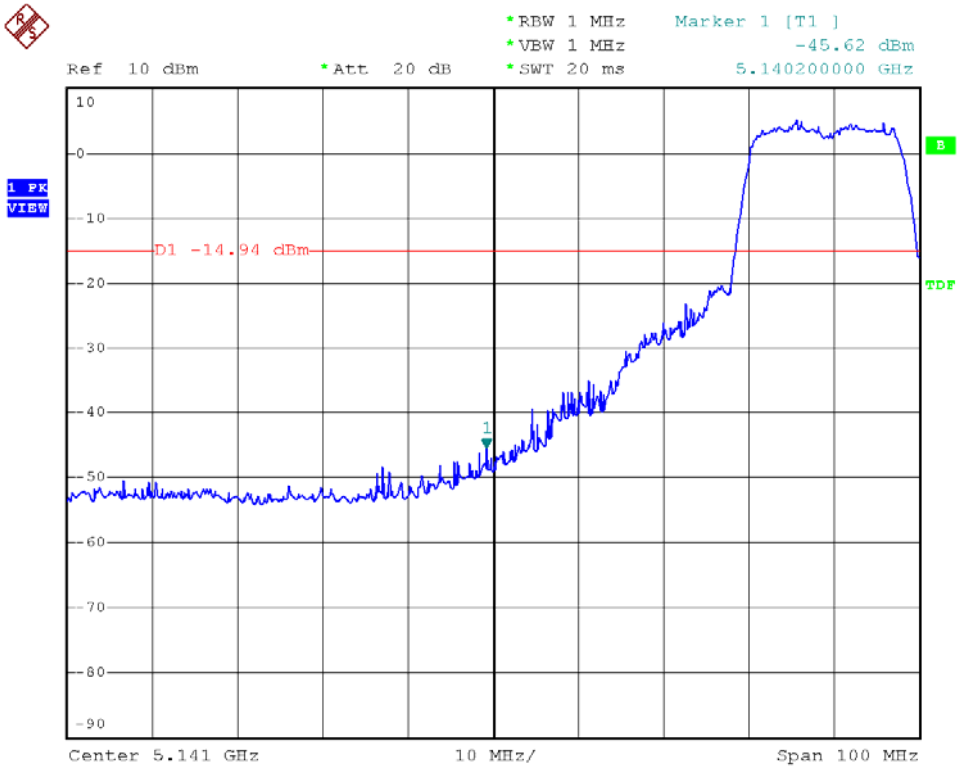
Modulation Standard: 802.11a (6Mbps), Ant R
Channel: 64



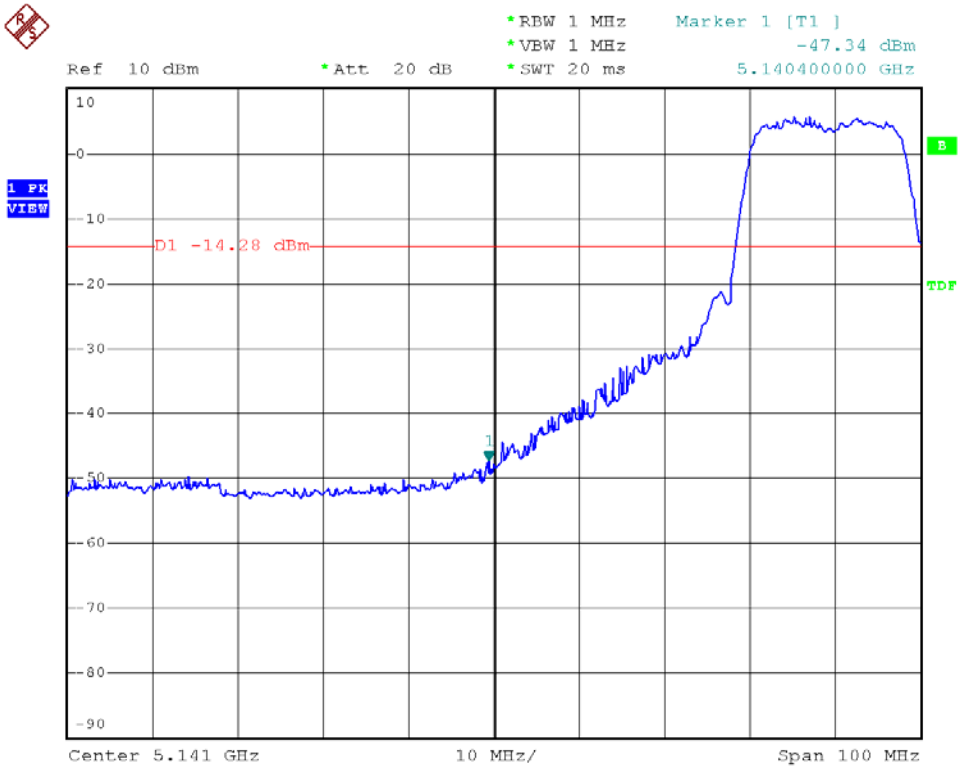
Modulation Standard: 802.11a (6Mbps), Ant L
Channel: 64



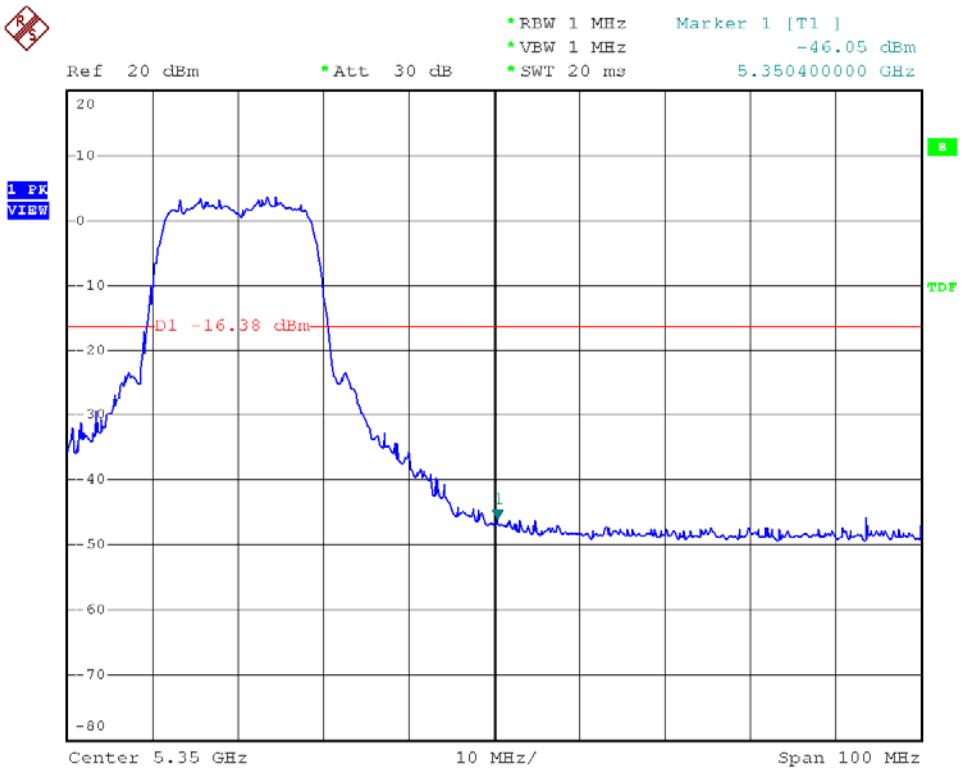
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 36



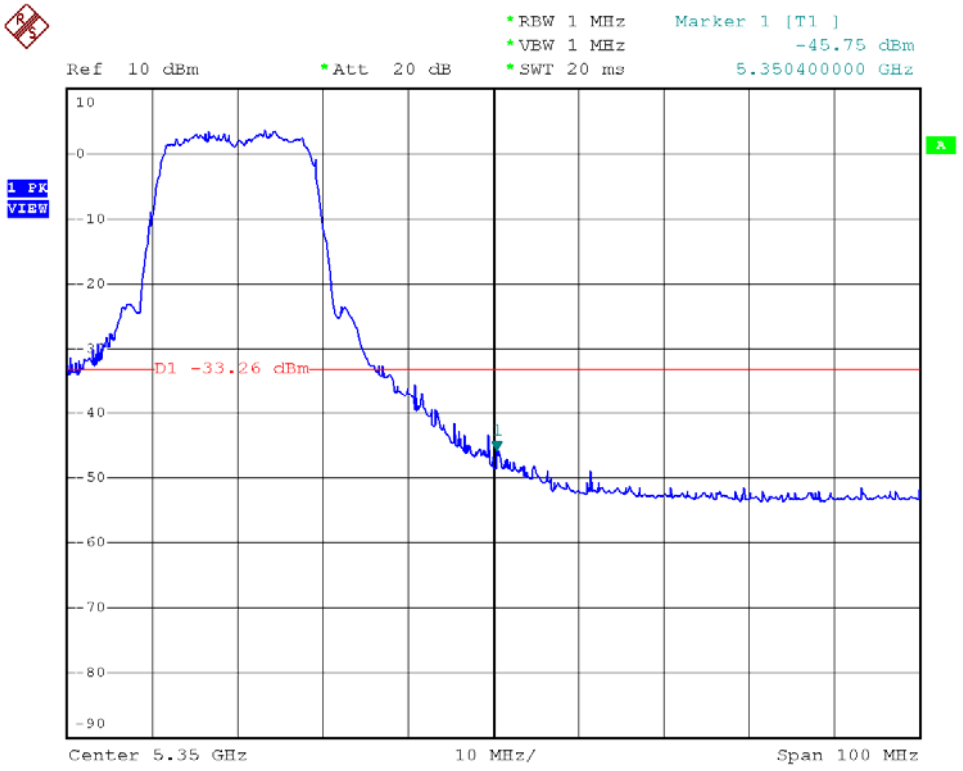
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 36



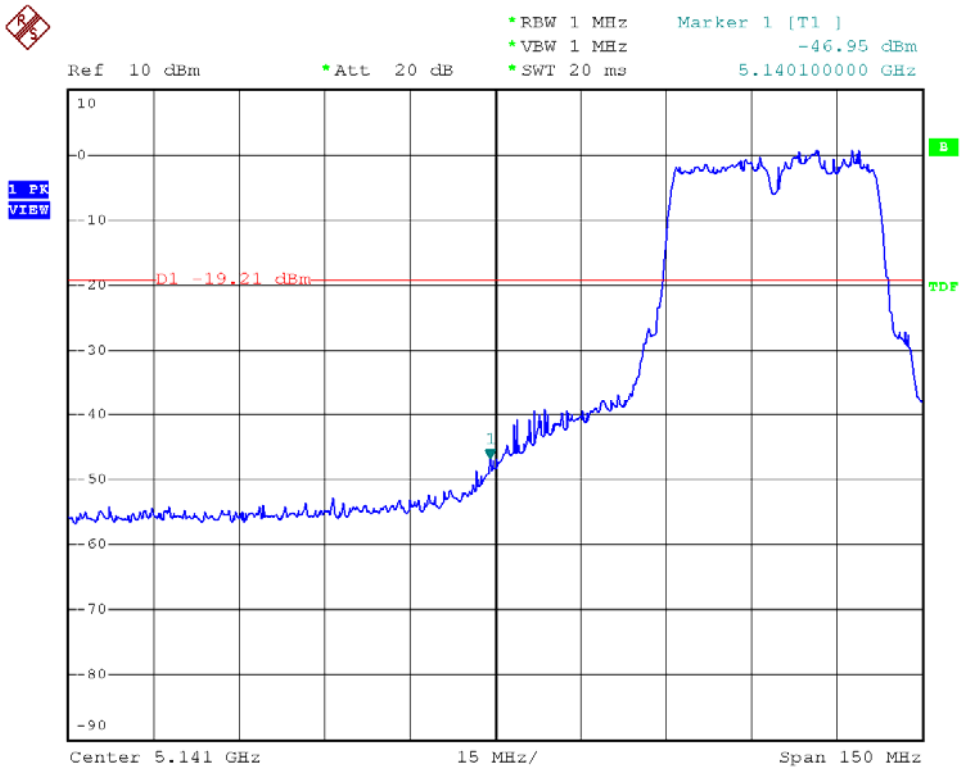
Modulation Standard: 802.11an HT20 (130Mbps), Ant R
Channel: 64



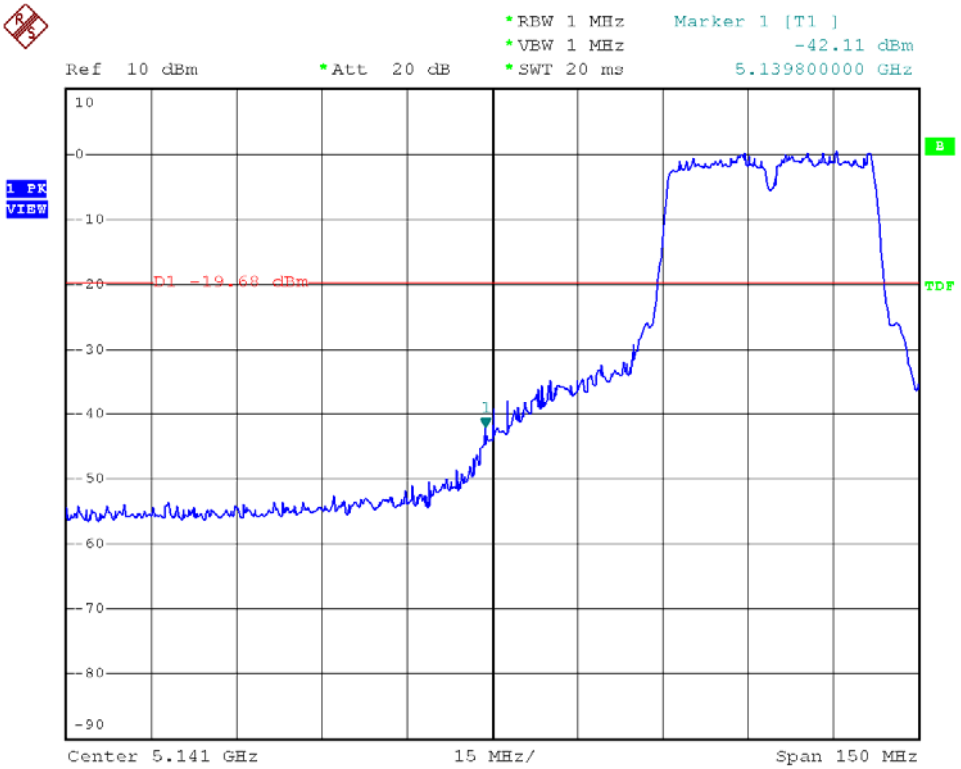
Modulation Standard: 802.11an HT20 (130Mbps), Ant L
Channel: 64



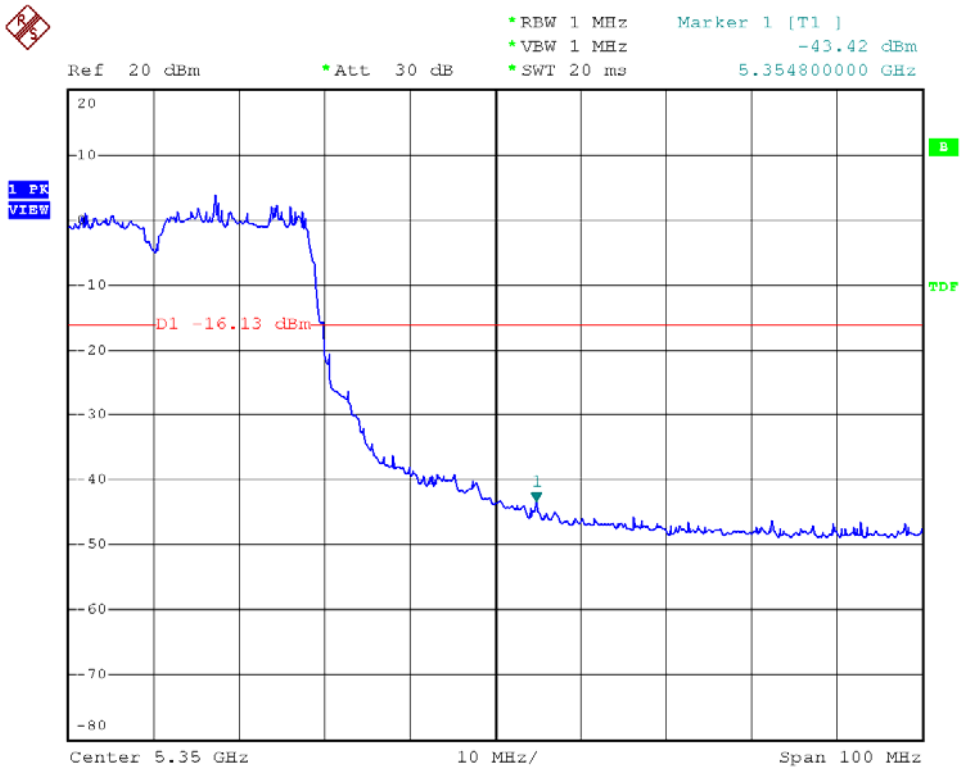
Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 38



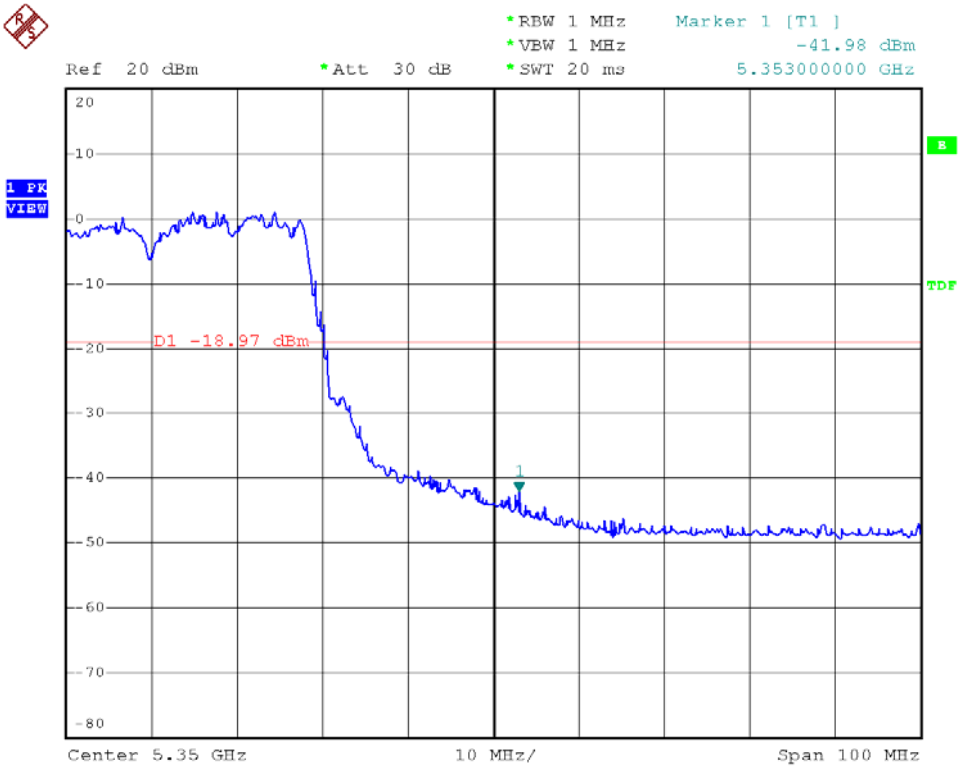
Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 38



Modulation Standard: 802.11an HT40 (270Mbps), Ant R
Channel: 62



Modulation Standard: 802.11an HT40 (270Mbps), Ant L
Channel: 62



10.4. Restrict Band Emission Measurement Data

Test Mode: EUT with USB cable

Test Date: Mar. 21, 2009 Temperature: 23℃

Atmospheric pressure: 1024 hPa Humidity: 47%

Modulation Standard: IEEE 802.11a (6Mbps)

Channel 36										Fundamental Frequency: 5180 MHz
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
5110.7	H	53.63	-3.26	50.37	Peak	74	54	-23.63	202	150
5149.1	H	39.64	-2.42	37.21	Ave	74	54	-16.79	205	150
5128.4	V	52.37	-0.64	51.73	Peak	74	54	-22.27	62	150
5149.3	V	38.60	-0.83	37.78	Ave	74	54	-16.22	65	150
Channel 64										Fundamental Frequency: 5320 MHz
5350.4	H	54.50	-2.69	51.81	Peak	74	54	-22.19	202	150
5350.1	H	40.38	-2.52	37.86	Ave	74	54	-16.14	205	150
5366.0	V	53.52	-2.02	51.50	Peak	74	54	-22.50	62	150
5350.1	V	38.90	-1.40	37.50	Ave	74	54	-16.50	65	150

Modulation Standard: IEEE 802.11an, HT20 (130Mbps)

Channel 36										Fundamental Frequency: 5180 MHz
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
5141.1	H	53.05	-2.97	50.08	Peak	74	54	-23.92	202	150
5149.2	H	38.98	-2.52	36.46	Ave	74	54	-17.54	205	150
5105.9	V	53.16	-1.33	51.82	Peak	74	54	-22.18	62	150
5144.9	V	38.02	-1.12	36.90	Ave	74	54	-17.10	65	150
Channel 64										Fundamental Frequency: 5320 MHz
5389.6	H	54.12	-2.90	51.22	Peak	74	54	-22.78	202	150
5350.9	H	40.15	-3.60	36.55	Ave	74	54	-17.45	205	150
5356.3	V	53.05	-1.49	51.56	Peak	74	54	-22.44	62	150
5351.2	V	39.08	-1.39	37.69	Ave	74	54	-16.31	65	150

Modulation Standard: IEEE 802.11an, HT40 (270Mbps)

Channel 38										Fundamental Frequency: 5190 MHz
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dBuV/m)		Margin (dB)	Table Deg.	Ant High (m)
						Peak	Ave			
5133.4	H	54.16	-3.41	50.75	Peak	74	54	-23.25	202	150
5148.0	H	39.53	-2.76	36.77	Ave	74	54	-17.23	205	150
5123.7	V	52.99	-1.87	51.12	Peak	74	54	-22.88	62	150
5149.8	V	37.95	-1.16	36.78	Ave	74	54	-17.22	65	150
Channel 62										Fundamental Frequency: 5310 MHz
5389.6	H	52.76	-2.75	50.01	Peak	74	54	-23.99	202	150
5350.7	H	40.16	-3.23	36.93	Ave	74	54	-17.07	205	150
5383.7	V	53.62	-1.65	51.97	Peak	74	54	-22.03	62	150
5350.6	V	39.14	-1.43	37.71	Ave	74	54	-16.29	65	150

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10 MHz for Average detection at frequency above 1GHz.

11. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

11.1. Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.