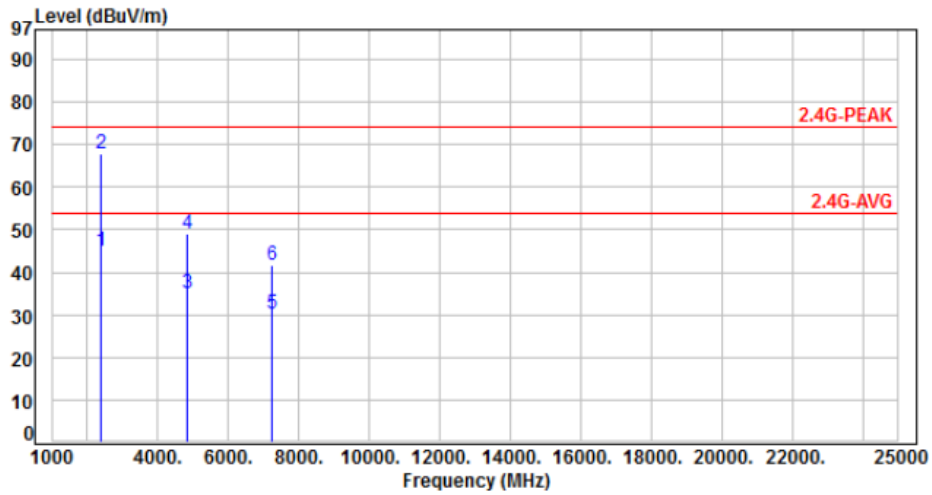




Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH01	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

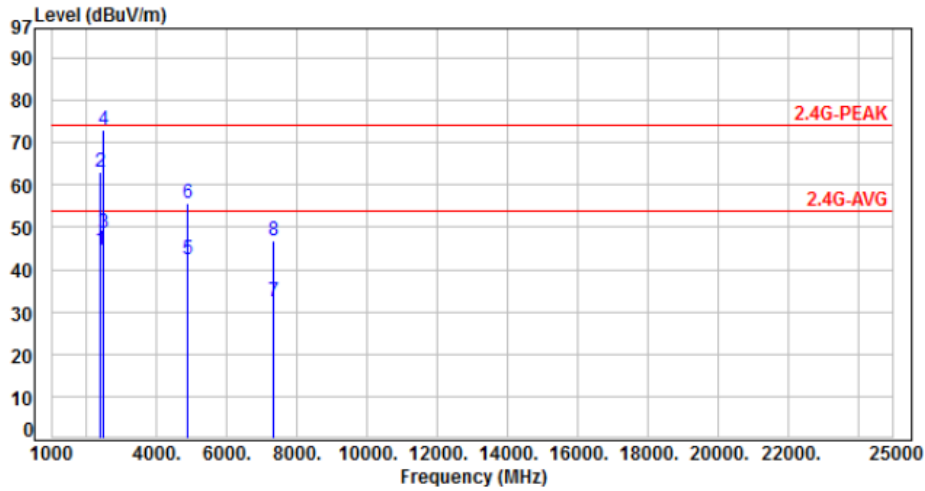


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	60.74	45.06	54.00	-8.94	Average	100	253	P
2	2390.00	-15.68	83.40	67.72	74.00	-6.28	Peak	100	253	P
3	4824.00	-8.47	43.50	35.03	54.00	-18.97	Average	100	152	P
4	4824.00	-8.47	57.60	49.13	74.00	-24.87	Peak	100	152	P
5	7236.00	-4.06	34.21	30.15	54.00	-23.85	Average	100	163	P
6	7236.00	-4.06	45.67	41.61	74.00	-32.39	Peak	100	163	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH06	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

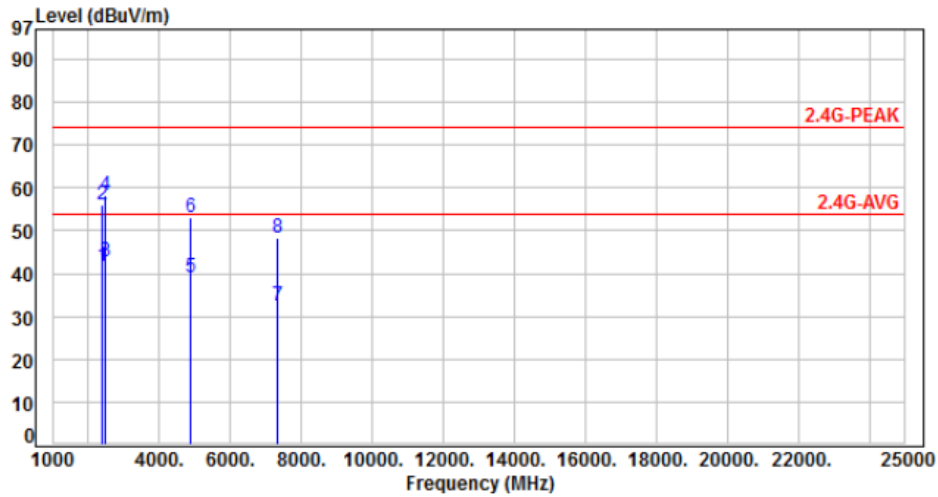


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	60.30	44.62	54.00	-9.38	Average	160	283	P
2	2390.00	-15.68	78.80	63.12	74.00	-10.88	Peak	160	283	P
3	2483.50	-15.36	64.10	48.74	54.00	-5.26	Average	160	283	P
4	2483.50	-15.36	88.30	72.94	74.00	-1.06	Peak	160	283	P
5	4874.00	-8.33	50.70	42.37	54.00	-11.63	Average	100	296	P
6	4874.00	-8.33	64.20	55.87	74.00	-18.13	Peak	100	296	P
7	7311.00	-3.86	36.22	32.36	54.00	-21.64	Average	100	283	P
8	7311.00	-3.86	50.56	46.70	74.00	-27.30	Peak	100	283	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH06	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

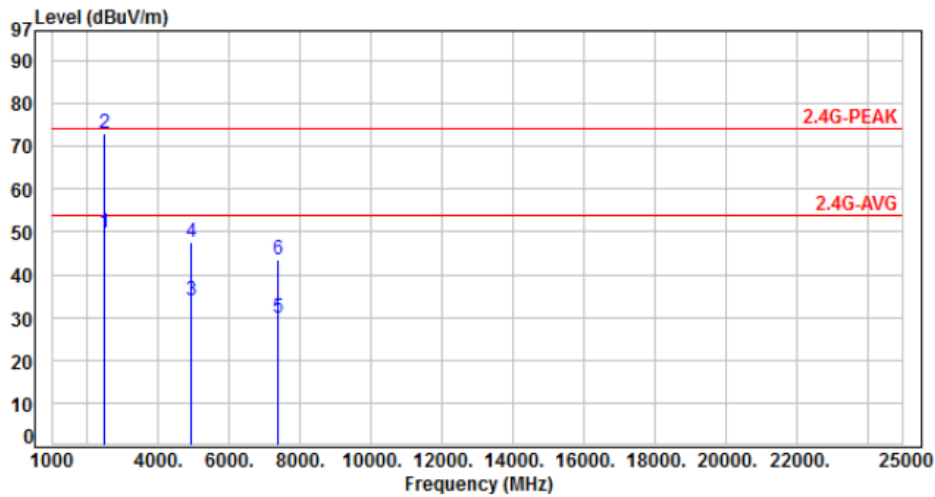


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	57.50	41.82	54.00	-12.18	Average	100	15	P
2	2390.00	-15.68	71.80	56.12	74.00	-17.88	Peak	100	15	P
3	2483.50	-15.36	58.23	42.87	54.00	-11.13	Average	100	15	P
4	2483.50	-15.36	73.60	58.24	74.00	-15.76	Peak	100	15	P
5	4874.00	-8.33	47.58	39.25	54.00	-14.75	Average	100	160	P
6	4874.00	-8.33	61.33	53.00	74.00	-21.00	Peak	100	160	P
7	7311.00	-3.86	36.23	32.37	54.00	-21.63	Average	100	271	P
8	7311.00	-3.86	52.13	48.27	74.00	-25.73	Peak	100	271	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH11	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

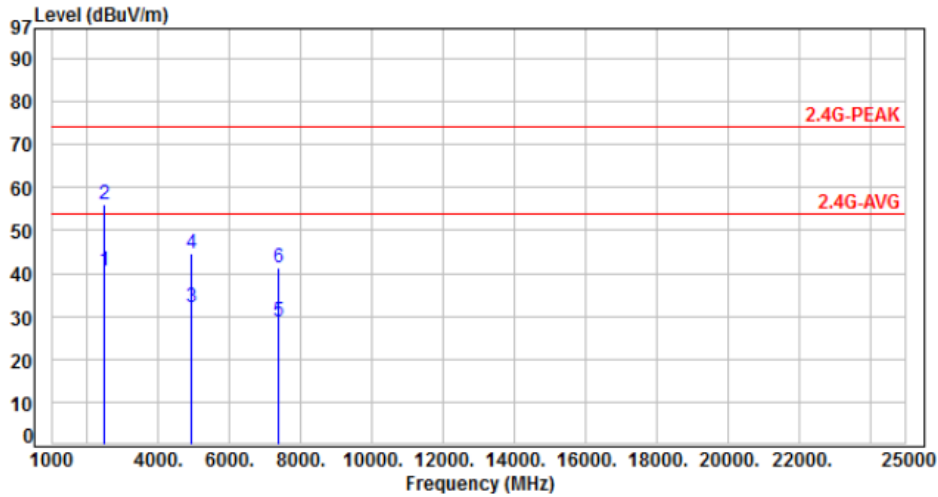


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-15.36	65.30	49.94	54.00	-4.06	Average	160	296	P
2	2483.50	-15.36	88.30	72.94	74.00	-1.06	Peak	160	296	P
3	4924.00	-8.18	42.20	34.02	54.00	-19.98	Average	103	296	P
4	4924.00	-8.18	55.80	47.62	74.00	-26.38	Peak	103	296	P
5	7386.00	-3.67	33.46	29.79	54.00	-24.21	Average	100	90	P
6	7386.00	-3.67	47.30	43.63	74.00	-30.37	Peak	100	90	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH11	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

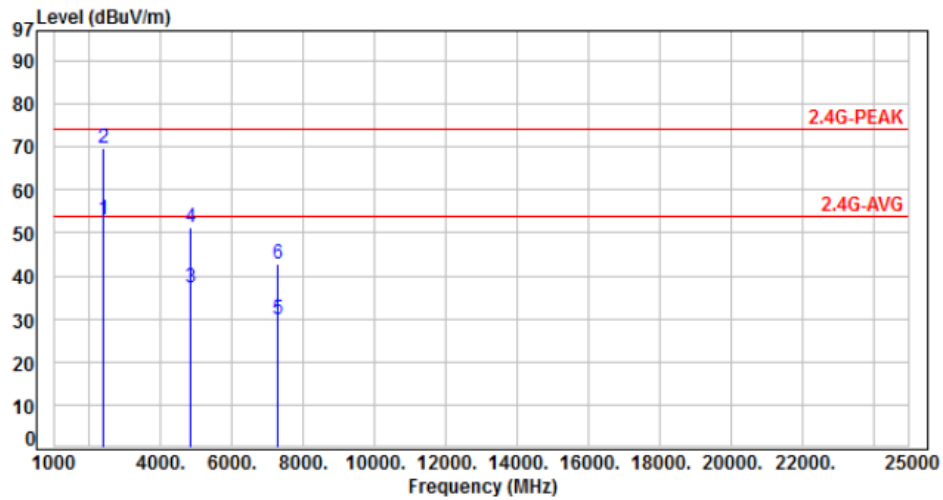


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-15.36	56.10	40.74	54.00	-13.26	Average	100	14	P
2	2483.50	-15.36	71.60	56.24	74.00	-17.76	Peak	100	14	P
3	4924.00	-8.18	40.36	32.18	54.00	-21.82	Average	100	163	P
4	4924.00	-8.18	52.74	44.56	74.00	-29.44	Peak	100	163	P
5	7386.00	-3.67	32.48	28.81	54.00	-25.19	Average	100	322	P
6	7386.00	-3.67	45.15	41.48	74.00	-32.52	Peak	100	322	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH03	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

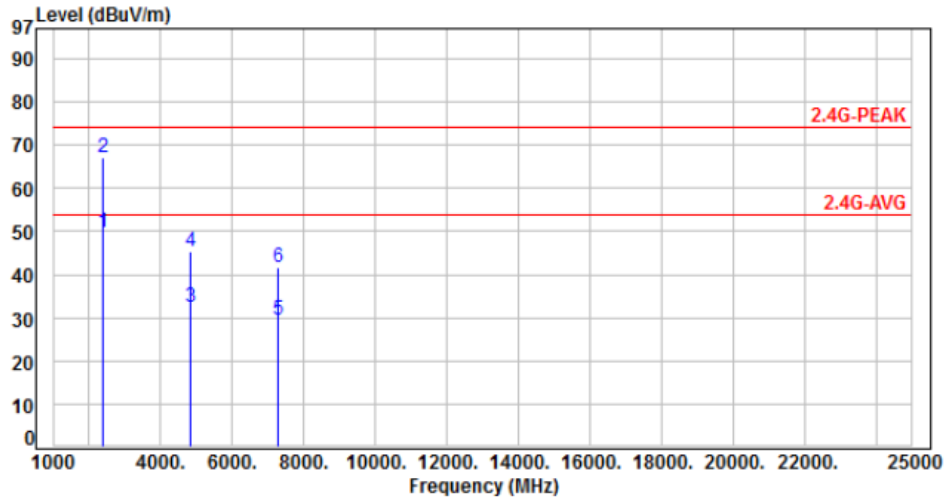


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	68.66	52.98	54.00	-1.02	Average	106	284	P
2	2390.00	-15.68	85.50	69.82	74.00	-4.18	Peak	106	284	P
3	4844.00	-8.41	45.50	37.09	54.00	-16.91	Average	100	288	P
4	4844.00	-8.41	59.60	51.19	74.00	-22.81	Peak	100	288	P
5	7266.00	-3.99	33.83	29.84	54.00	-24.16	Average	100	74	P
6	7266.00	-3.99	46.68	42.69	74.00	-31.31	Peak	100	74	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH03	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

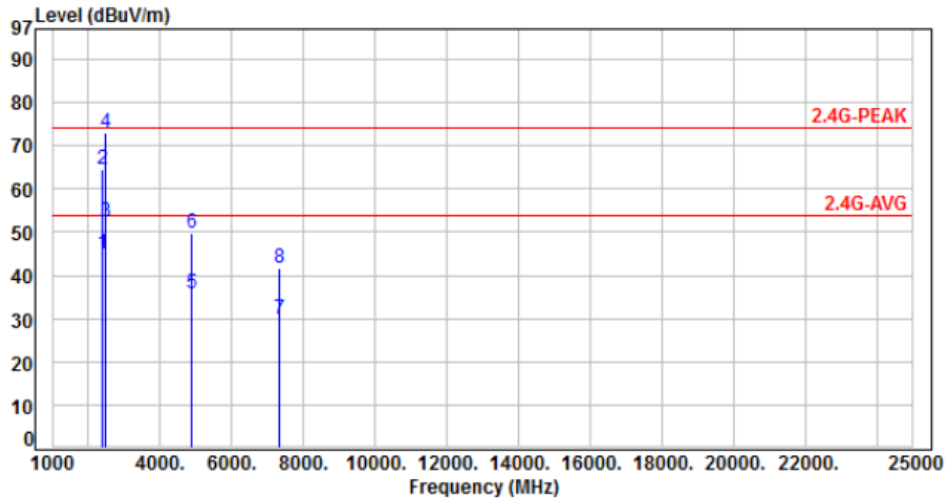


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	65.30	49.62	54.00	-4.38	Average	100	250	P
2	2390.00	-15.68	82.80	67.12	74.00	-6.88	Peak	100	250	P
3	4844.00	-8.41	40.70	32.29	54.00	-21.71	Average	100	155	P
4	4844.00	-8.41	53.90	45.49	74.00	-28.51	Peak	100	155	P
5	7266.00	-3.99	33.46	29.47	54.00	-24.53	Average	100	351	P
6	7266.00	-3.99	45.69	41.70	74.00	-32.30	Peak	100	351	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH06	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

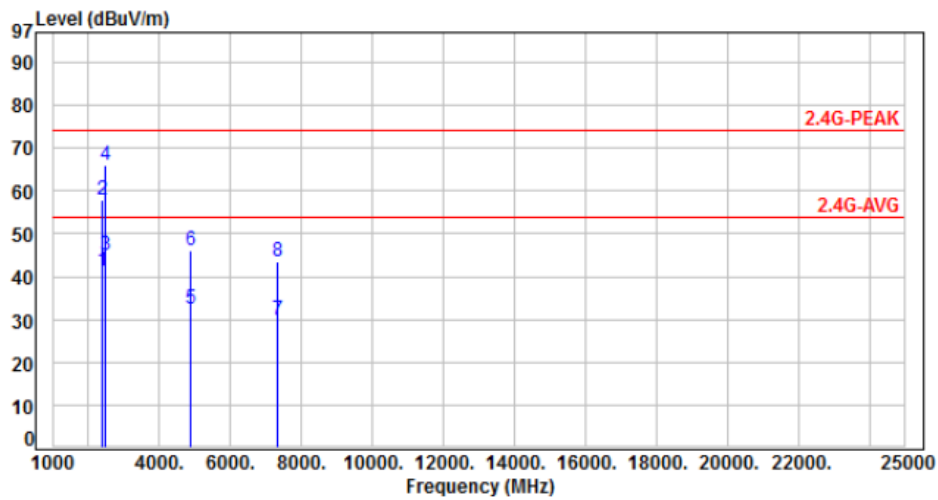


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	60.60	44.92	54.00	-9.08	Average	335	267	P
2	2390.00	-15.68	80.35	64.67	74.00	-9.33	Peak	335	267	P
3	2483.50	-15.36	67.90	52.54	54.00	-1.46	Average	335	267	P
4	2483.50	-15.36	88.30	72.94	74.00	-1.06	Peak	335	267	P
5	4874.00	-8.33	44.18	35.85	54.00	-18.15	Average	100	282	P
6	4874.00	-8.33	58.30	49.97	74.00	-24.03	Peak	100	282	P
7	7311.00	-3.86	33.65	29.79	54.00	-24.21	Average	100	91	P
8	7311.00	-3.86	45.46	41.60	74.00	-32.40	Peak	100	91	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH06	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

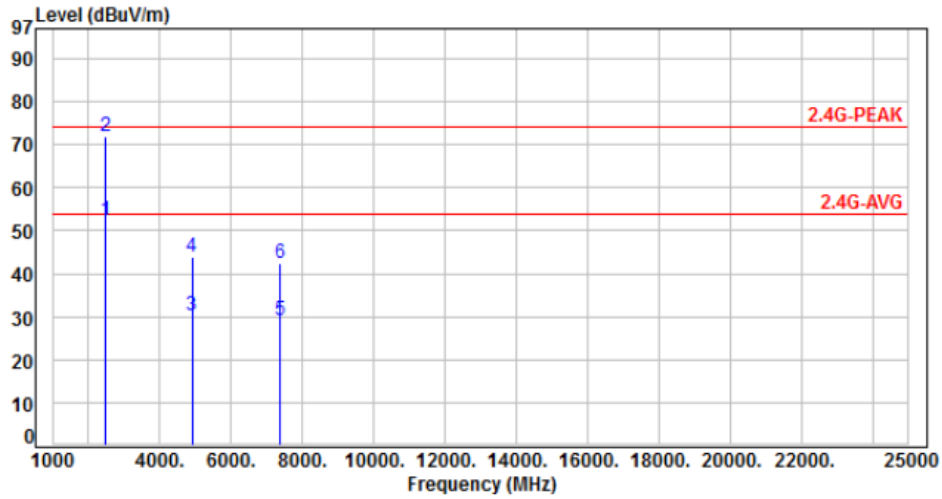


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-15.68	56.80	41.12	54.00	-12.88	Average	220	20	P
2	2390.00	-15.68	73.60	57.92	74.00	-16.08	Peak	220	20	P
3	2483.50	-15.36	60.40	45.04	54.00	-8.96	Average	220	20	P
4	2483.50	-15.36	81.50	66.14	74.00	-7.86	Peak	220	20	P
5	4874.00	-8.33	40.73	32.40	54.00	-21.60	Average	100	157	P
6	4874.00	-8.33	54.43	46.10	74.00	-27.90	Peak	100	157	P
7	7311.00	-3.86	33.68	29.82	54.00	-24.18	Average	100	326	P
8	7311.00	-3.86	47.21	43.35	74.00	-30.65	Peak	100	326	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH09	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %

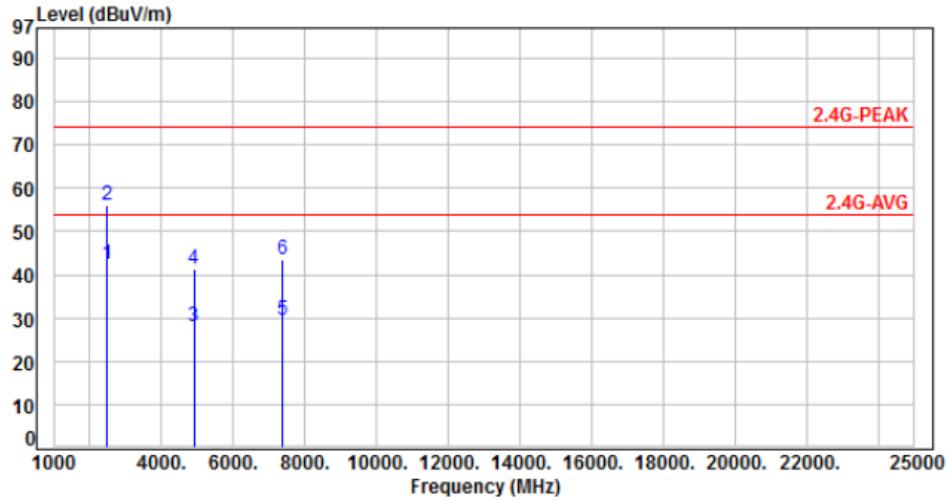


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-15.36	67.90	52.54	54.00	-1.46	Average	165	294	P
2	2483.50	-15.36	87.20	71.84	74.00	-2.16	Peak	165	294	P
3	4904.00	-8.24	38.50	30.26	54.00	-23.74	Average	100	299	P
4	4904.00	-8.24	52.24	44.00	74.00	-30.00	Peak	100	299	P
5	7356.00	-3.74	32.86	29.12	54.00	-24.88	Average	100	103	P
6	7356.00	-3.74	46.30	42.56	74.00	-31.44	Peak	100	103	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH09	Temperature	: 23 °C
Test Date	: Feb. 19. 2019	Humidity	: 61 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-15.36	57.60	42.24	54.00	-11.76	Average	400	30	P
2	2483.50	-15.36	71.60	56.24	74.00	-17.76	Peak	400	30	P
3	4904.00	-8.24	36.10	27.86	54.00	-26.14	Average	100	162	P
4	4904.00	-8.24	49.60	41.36	74.00	-32.64	Peak	100	162	P
5	7356.00	-3.74	33.14	29.40	54.00	-24.60	Average	100	302	P
6	7356.00	-3.74	47.42	43.68	74.00	-30.32	Peak	100	302	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



6.7 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



7. Test of Conducted Spurious Emission

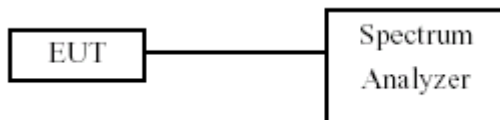
7.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

7.3 Test Setup Layout



7.4 Test Result and Data

Test Result : PASS

Temperature : 22°C

Test Date : Mar. 22, 2019

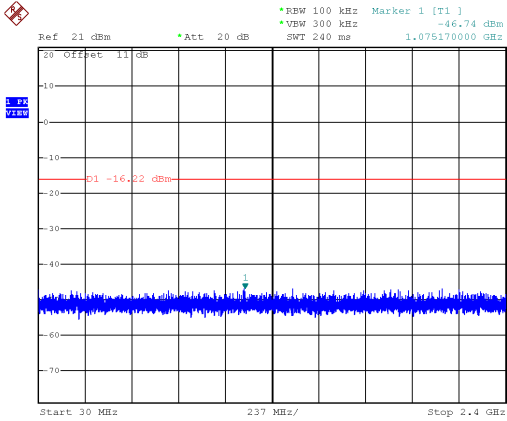
Humidity : 58%

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)	Total PK power (dBm)	Total PK power (mW)	Powe Limit (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
			ANT A						
11b	1	2412	15.58	15.58	36.141	29.08	6.92	22.50	36.00
	6	2437	15.43	15.43	34.914	29.08	6.92	22.35	36.00
	11	2462	15.46	15.46	35.156	29.08	6.92	22.38	36.00
11g	1	2412	20.47	20.47	111.429	29.08	6.92	27.39	36.00
	6	2437	20.78	20.78	119.674	29.08	6.92	27.70	36.00
	11	2462	20.74	20.74	118.577	29.08	6.92	27.66	36.00
11n HT20	1	2412	20.39	20.39	109.396	29.08	6.92	27.31	36.00
	6	2437	20.78	20.78	119.674	29.08	6.92	27.70	36.00
	11	2462	20.41	20.41	109.901	29.08	6.92	27.33	36.00
11n HT40	3	2422	20.36	20.36	108.643	29.08	6.92	27.28	36.00
	6	2437	20.65	20.65	116.145	29.08	6.92	27.57	36.00
	9	2452	18.52	18.52	71.121	29.08	6.92	25.44	36.00

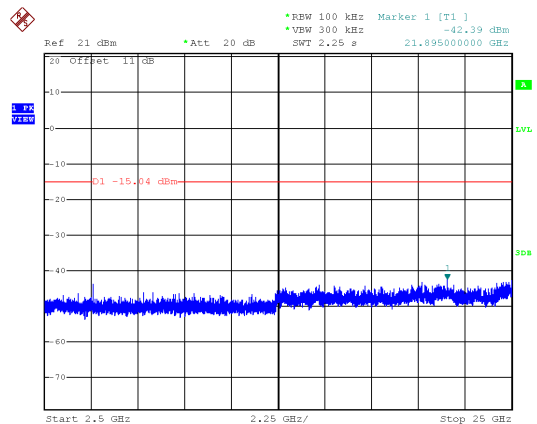
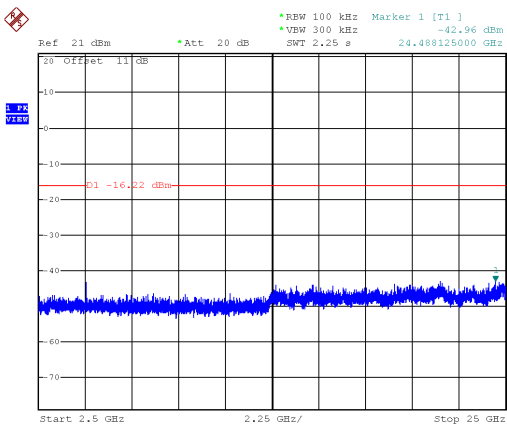
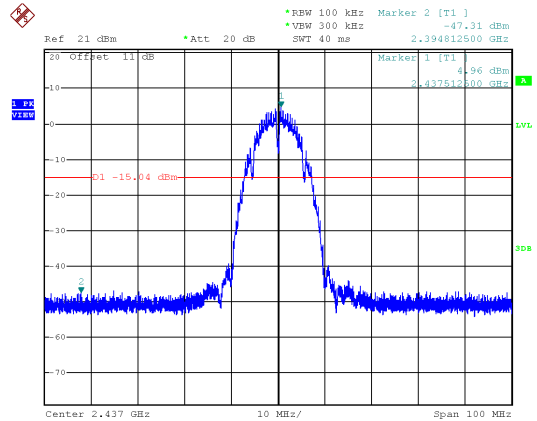
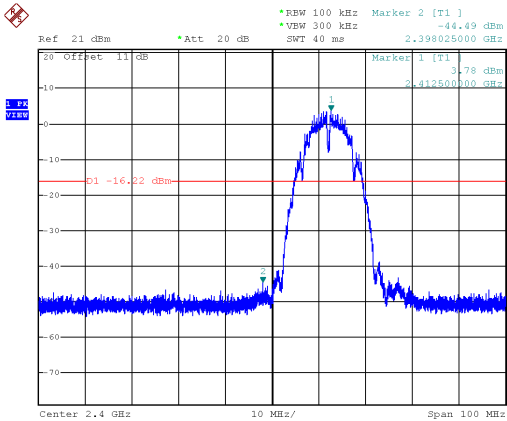
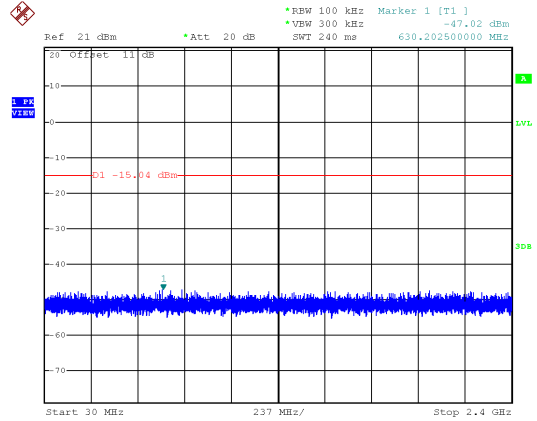
Note: Test plots refers to the following pages.



Modulation Type: 802.11b, CH01

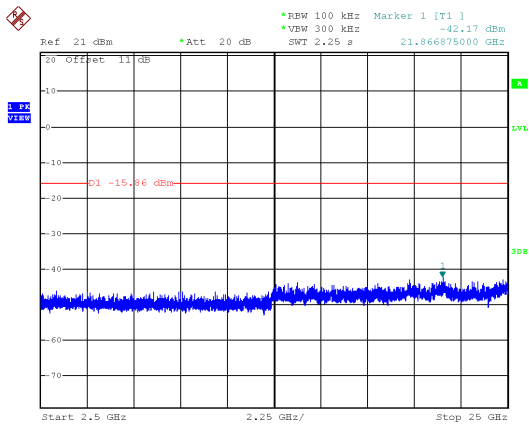
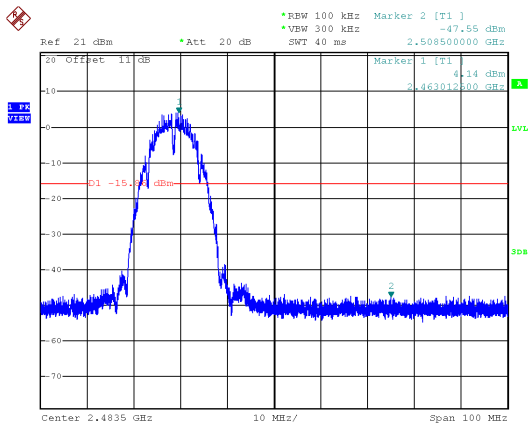
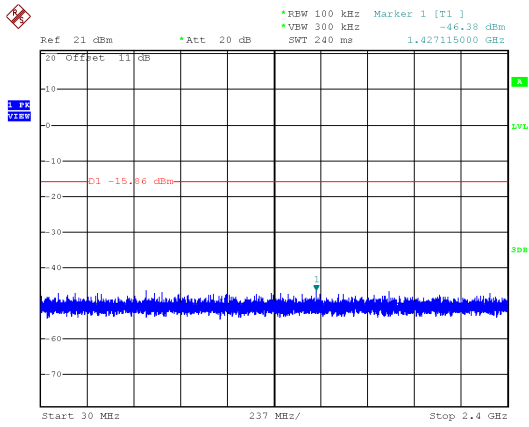


Modulation Type: 802.11b, CH06



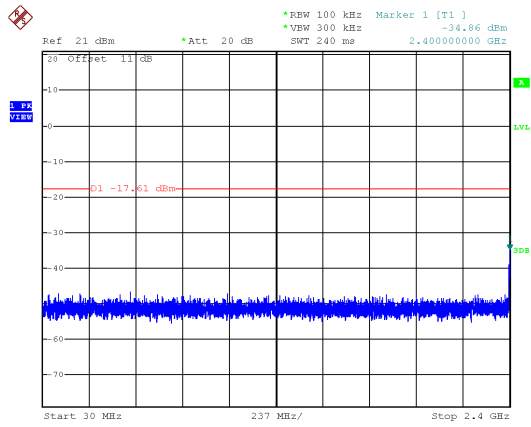


Modulation Type: 802.11b, CH11

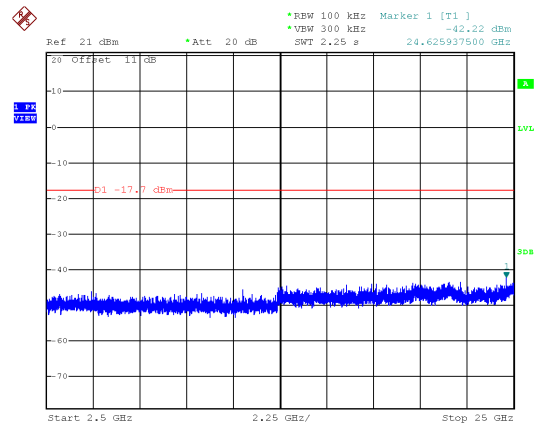
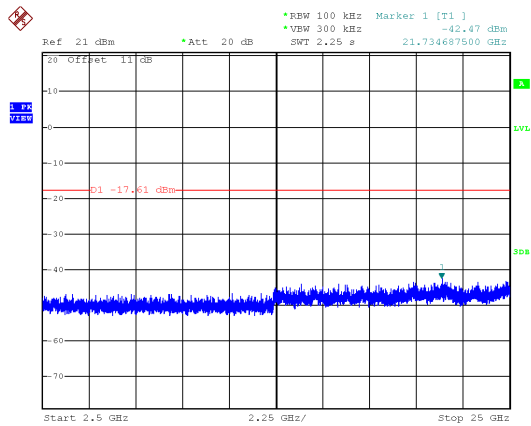
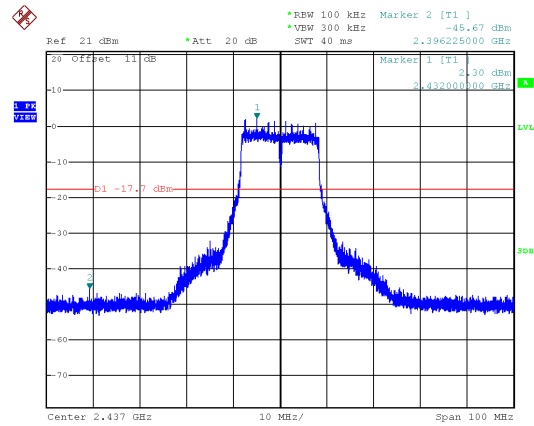
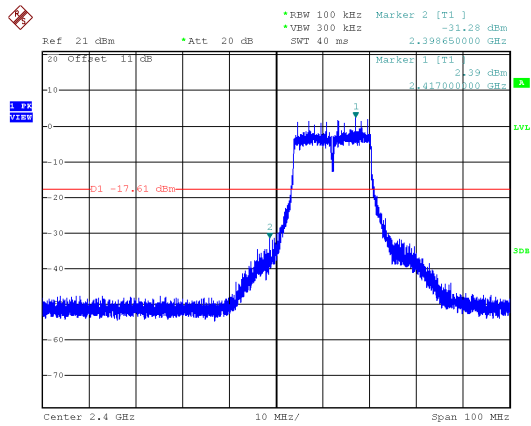
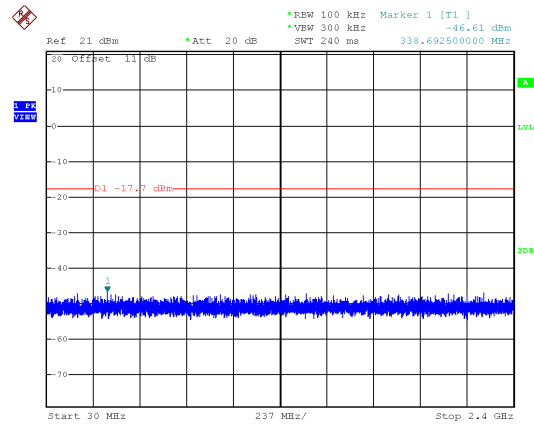




Modulation Type: 802.11g, CH01

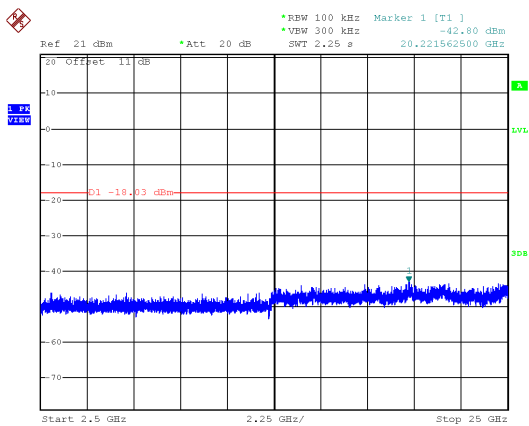
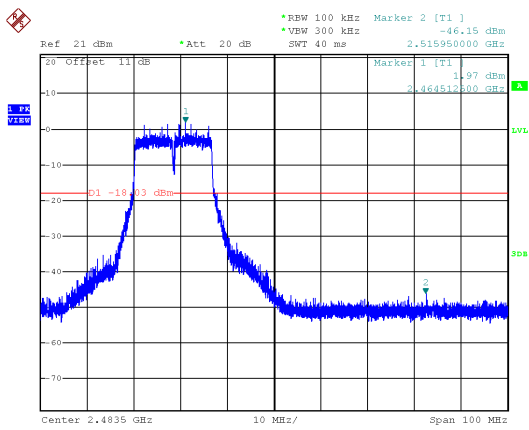
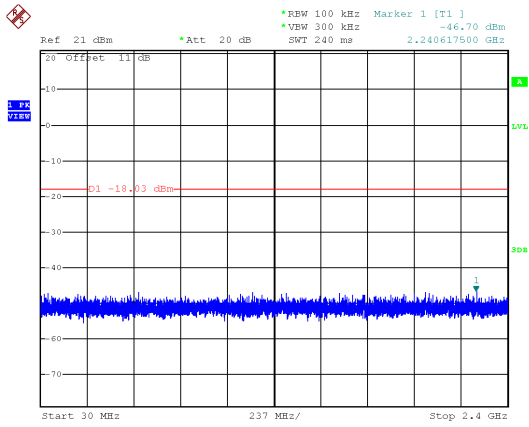


Modulation Type: 802.11g, CH06



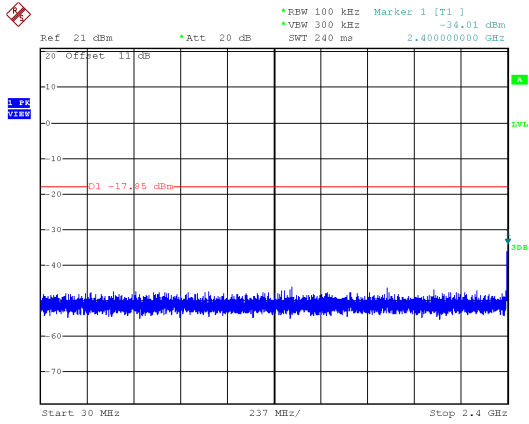


Modulation Type: 802.11g, CH11

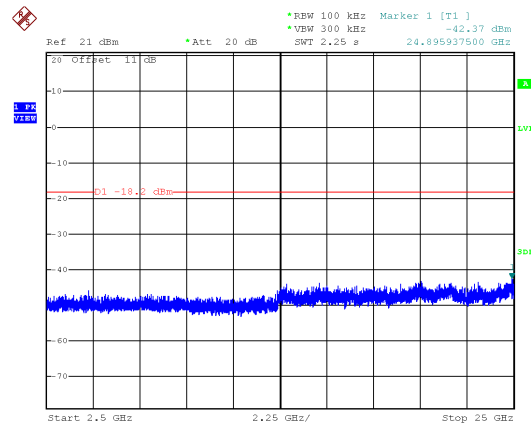
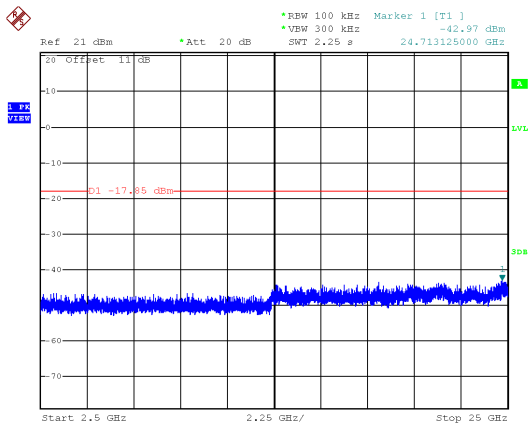
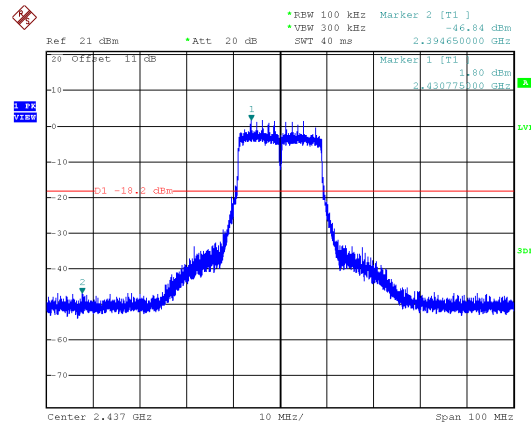
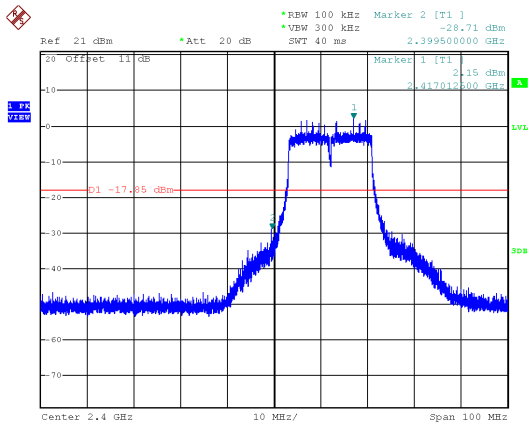
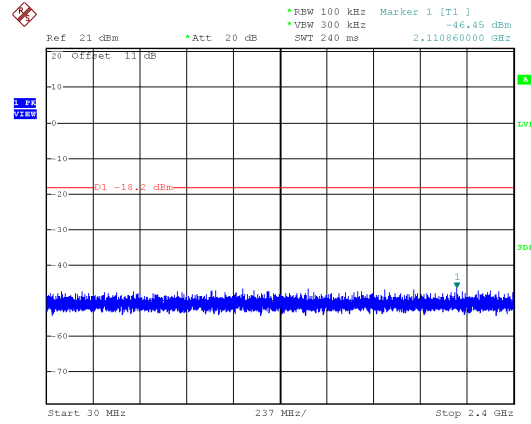




Modulation Type: 802.11n HT20, CH01

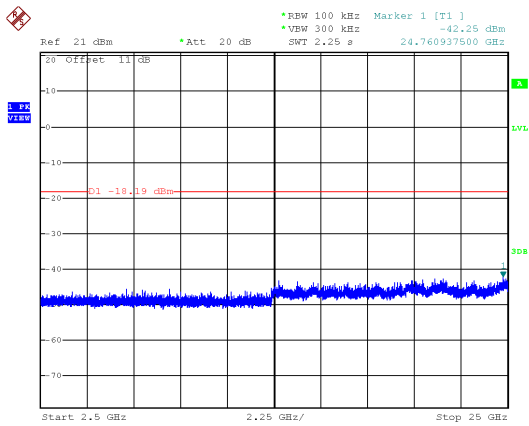
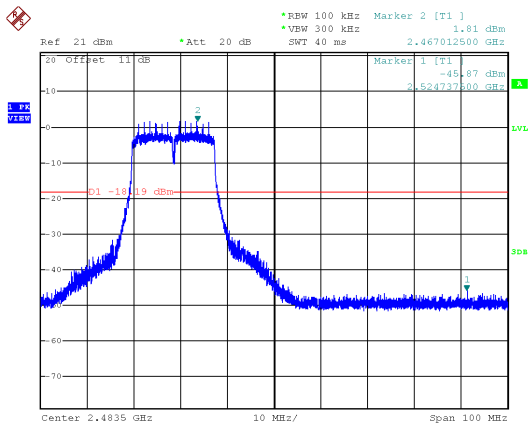
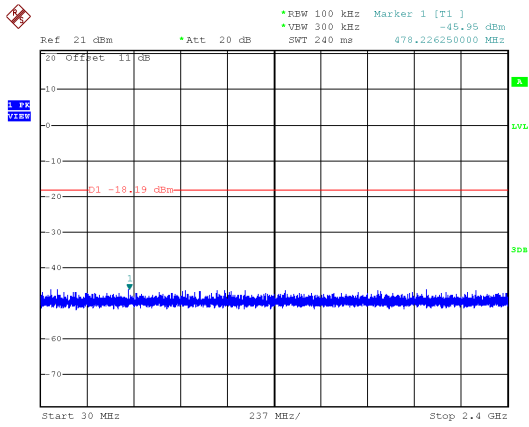


Modulation Type: 802.11n HT20, CH06



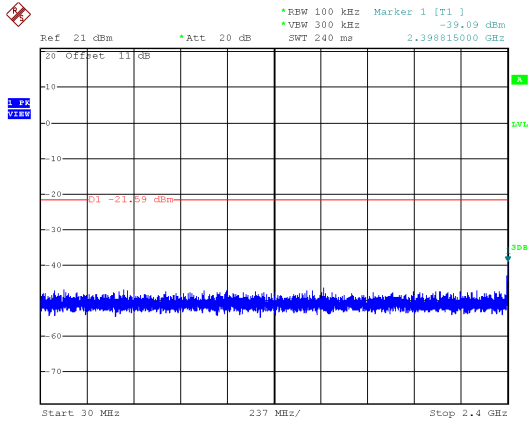


Modulation Type: 802.11n HT20, CH11

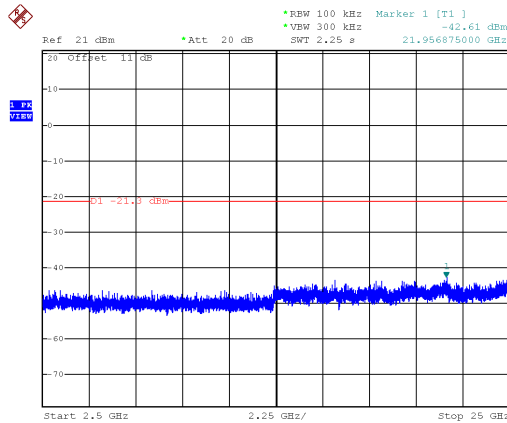
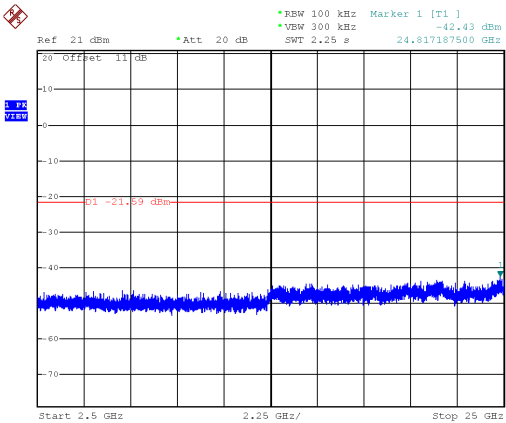
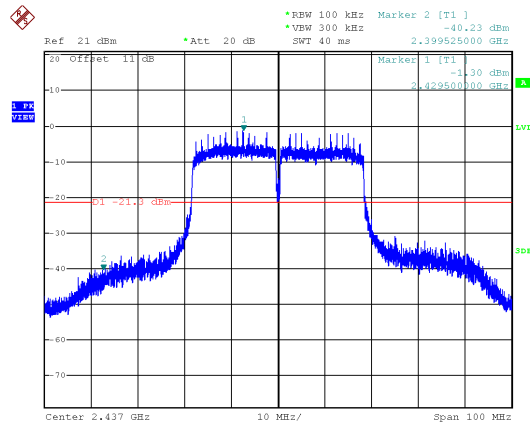
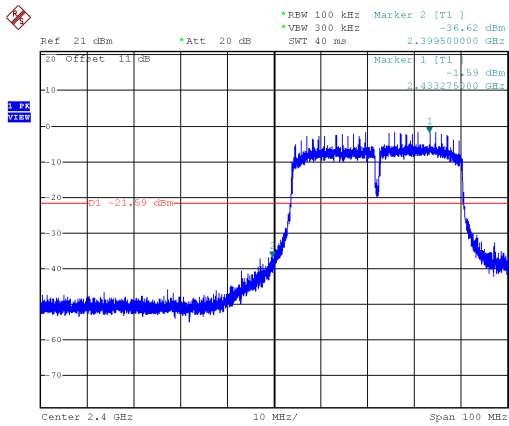
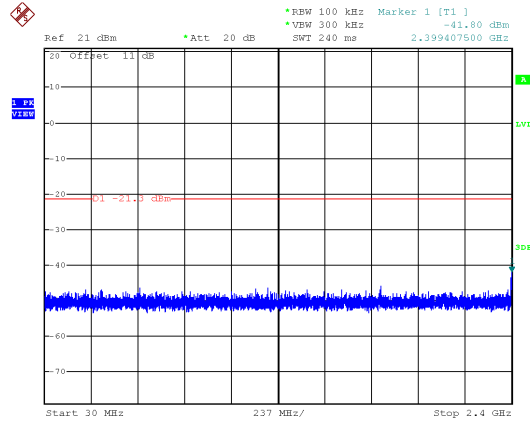




Modulation Type: 802.11n HT40, CH03



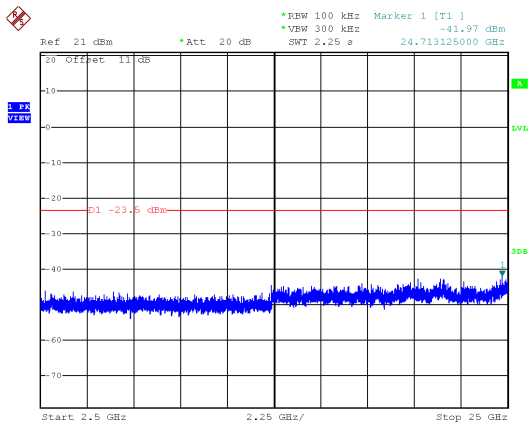
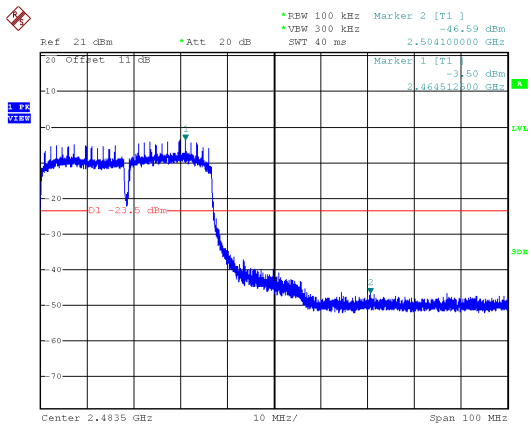
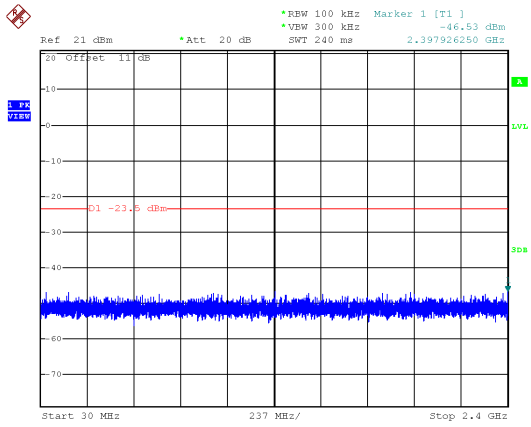
Modulation Type: 802.11n HT40, CH06



I



Modulation Type: 802.11n HT40, CH09





8. On Time, Duty Cycle and Measurement methods

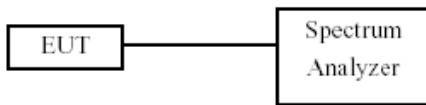
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

Test Date : Mar. 08, 2019

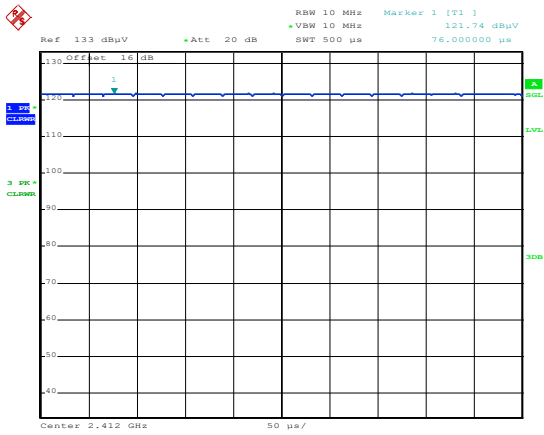
Temperature : 22°C

Humidity : 58%

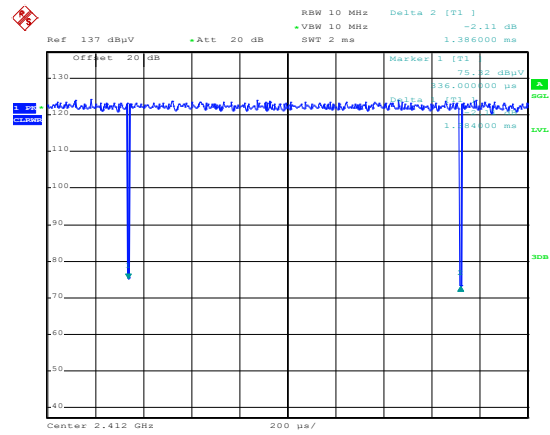
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
802.11b,1M	100.000	100.000	100.00%
802.11g,6M	1.384	1.386	99.86%
802.11n HT20,M0	1.296	1.298	99.85%
802.11n HT40,M0	0.648	0.652	99.39%



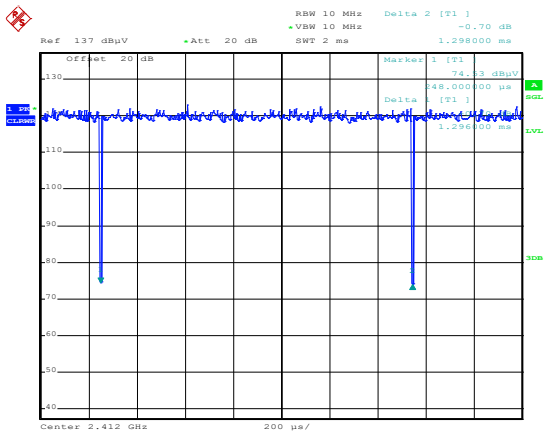
Modulation Standard: 802.11b (1Mbps)



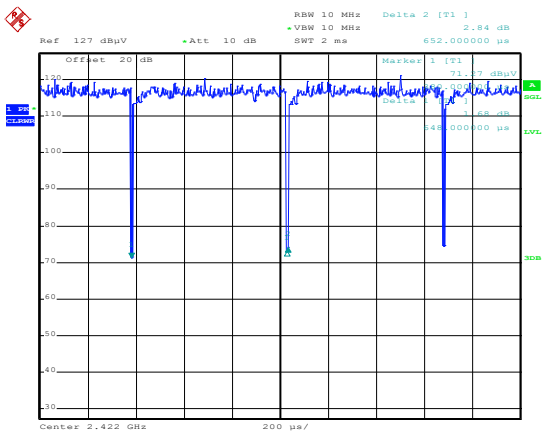
Modulation Standard: 802.11g (6Mbps)



Modulation Standard: 802.11n HT20 (6.5Mbps)



Modulation Standard: 802.11n HT40 (13.5Mbps)





9. 6dB Bandwidth Measurement Data

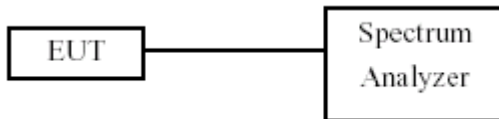
9.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 1~5% of the emission bandwidth and VBW $\geq 3x$ RBW.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout



9.4 Test Result and Data (6dB Bandwidth)

Test Result : PASS
 Test Date : May. 22, 2019

Temperature : 22°C
 Humidity : 58%

Modulation Type	Channel	Frequency(MHz)	6dB Bandwidth (MHz)	Limit(MHz)
11b	1	2412	8.60	0.5
	6	2437	8.10	0.5
	11	2462	8.10	0.5
11g	1	2412	16.40	0.5
	6	2437	16.40	0.5
	11	2462	16.30	0.5
11n HT20	1	2412	17.70	0.5
	6	2437	17.60	0.5
	11	2462	17.60	0.5
11n HT40	3	2422	35.20	0.5
	6	2437	35.20	0.5
	9	2452	35.20	0.5



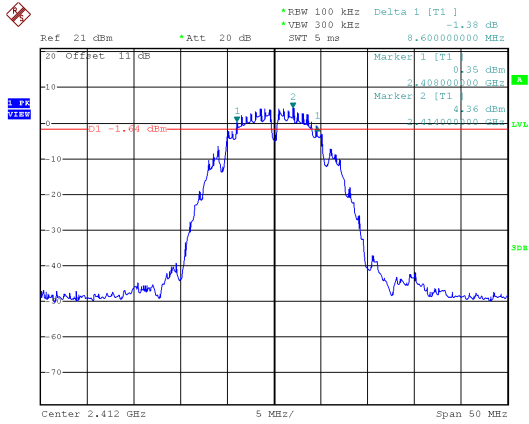
9.5 Test Result and Data (99% Bandwidth)

Test Result : PASS Temperature : 22°C
Test Date : May. 22, 2019 Humidity : 58%

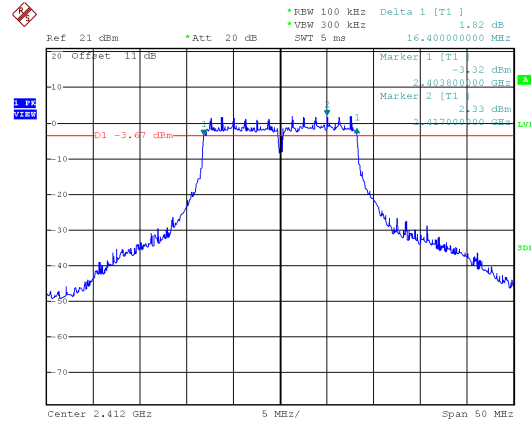
Modulation Type	Channel	Frequency(MHz)	99% Occupied Bandwidth (MHz)
			ANT A
11b	1	2412	13.10
	6	2437	13.20
	11	2462	13.00
11g	1	2412	17.00
	6	2437	17.00
	11	2462	17.00
11n HT20	1	2412	18.10
	6	2437	18.10
	11	2462	18.00
11n HT40	3	2422	36.20
	6	2437	36.60
	9	2452	36.60



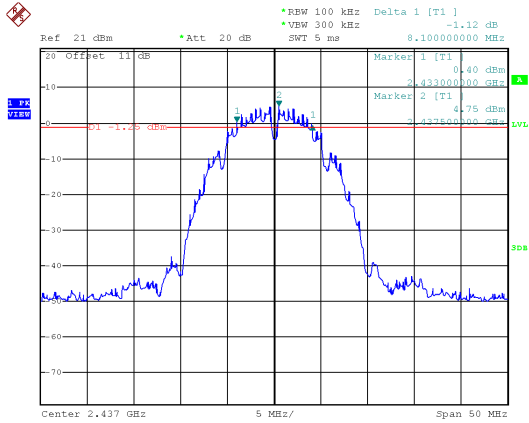
6dB Bandwidth
Modulation Type: 802.11b
CH01



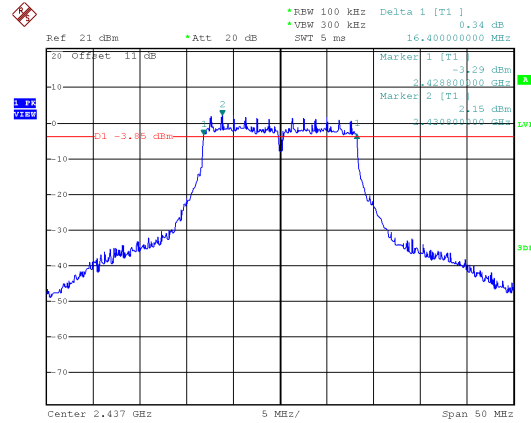
Modulation Type: 802.11g
CH01



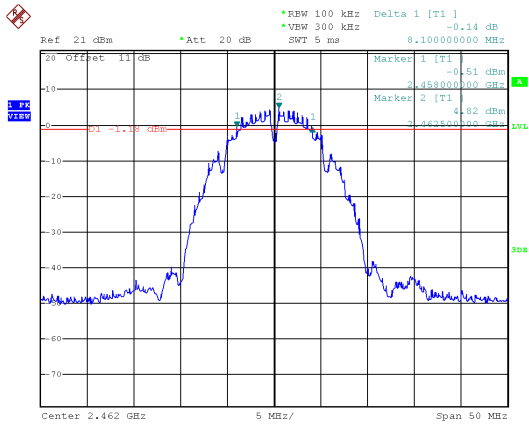
CH06



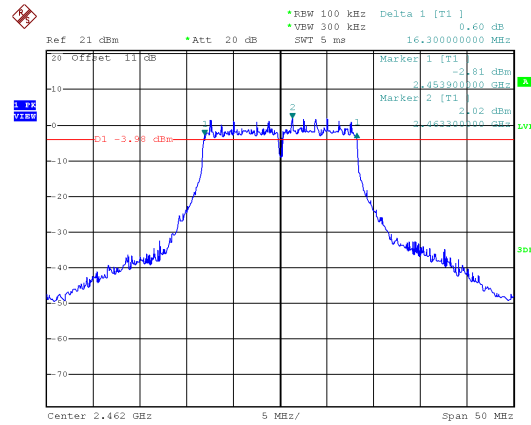
CH06



CH11

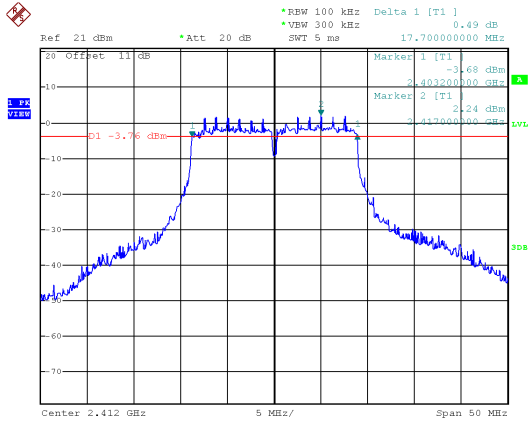


CH11

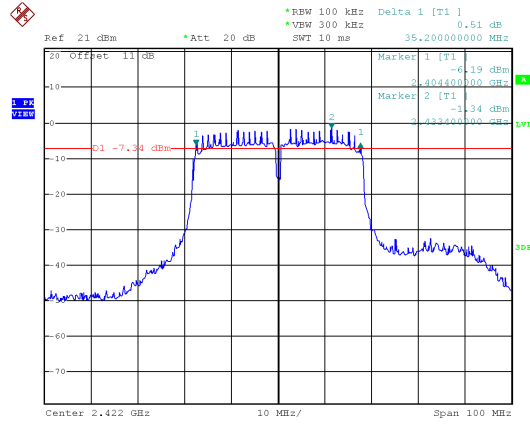




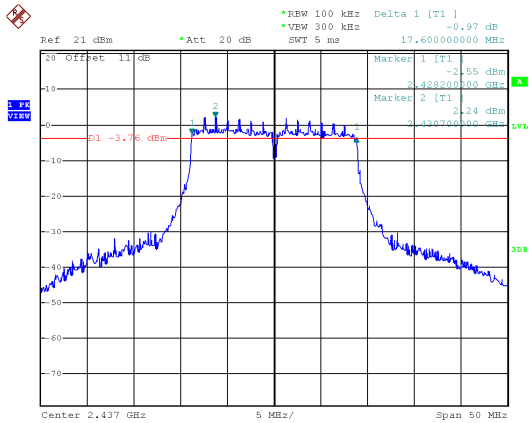
Modulation Type: 802.11n HT20
CH01



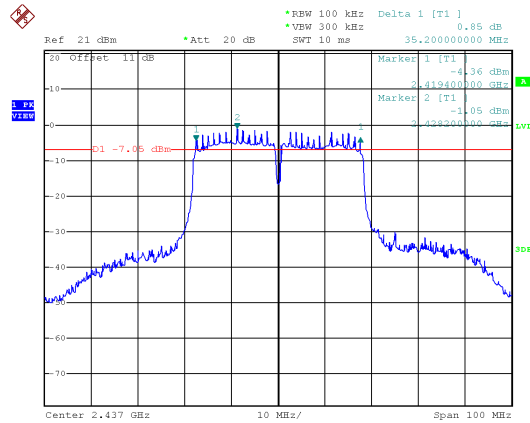
Modulation Type: 802.11n HT40
CH03



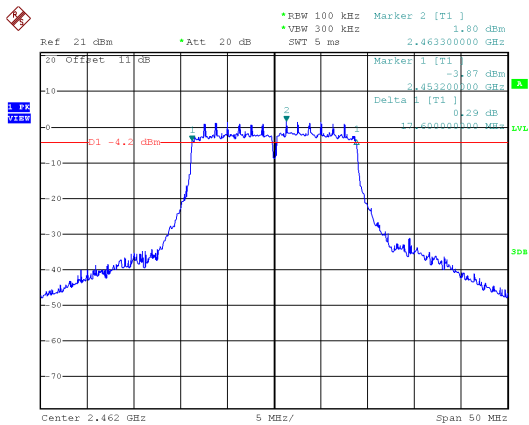
CH06



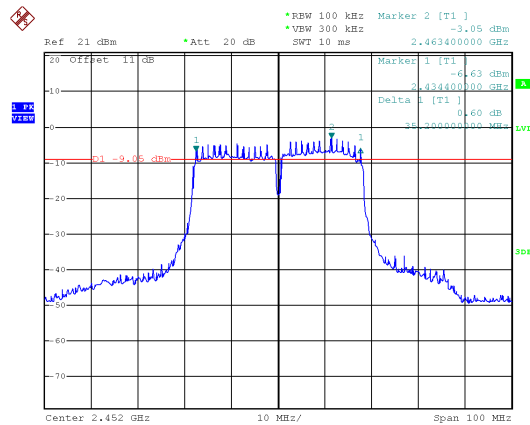
CH06



CH11

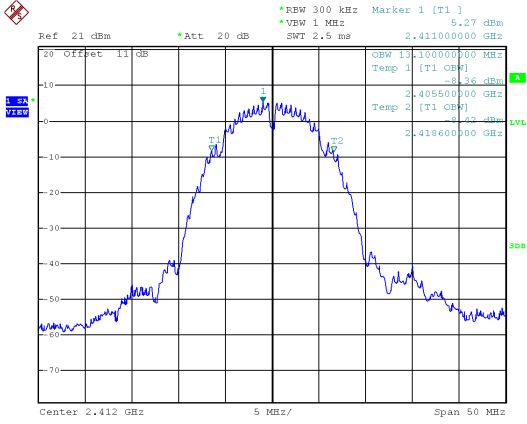


CH09

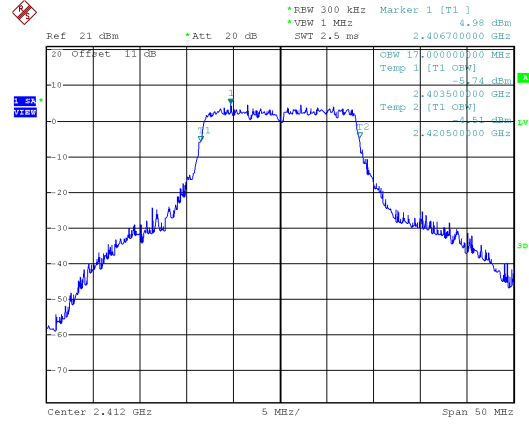




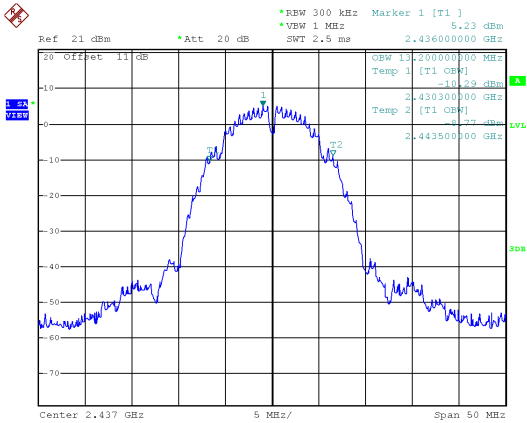
99% Bandwidth
Modulation Type: 802.11b
CH01



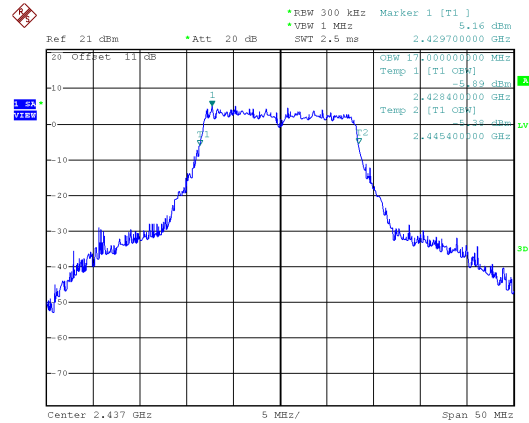
Modulation Type: 802.11g
CH01



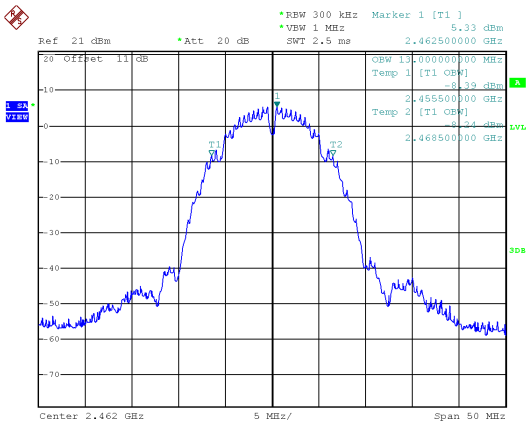
CH06



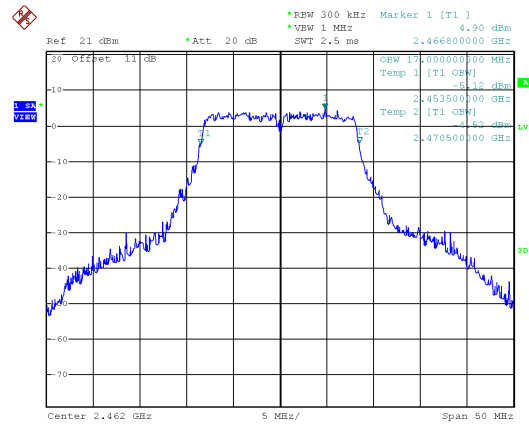
CH06



CH11

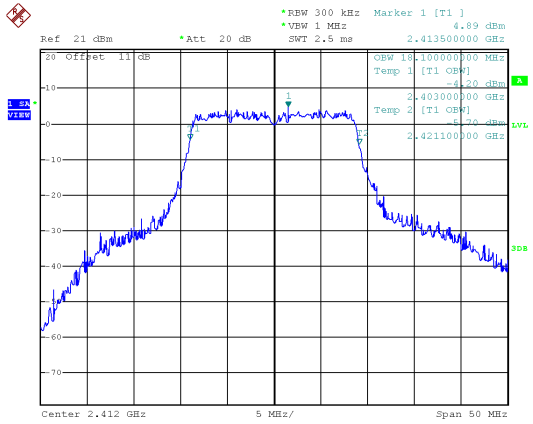


CH11

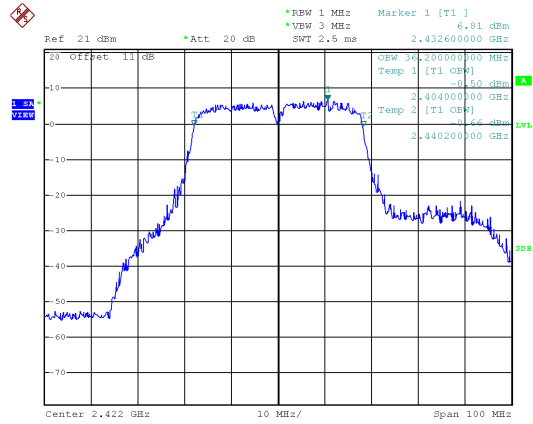




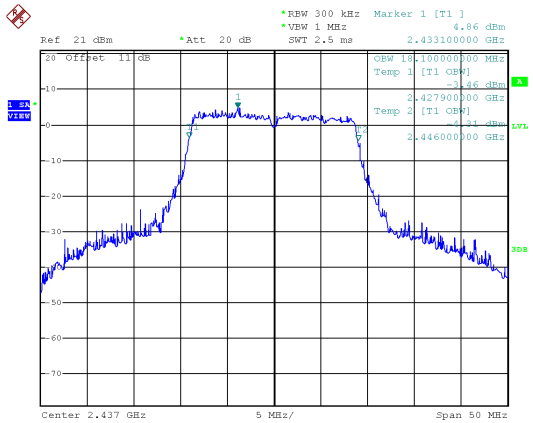
Modulation Type: 802.11n HT20
CH01



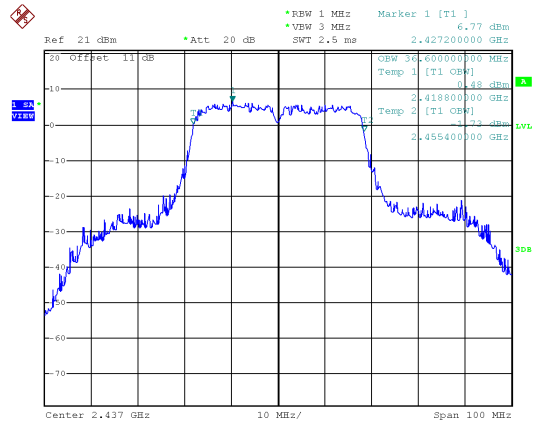
Modulation Type: 802.11n HT40
CH03



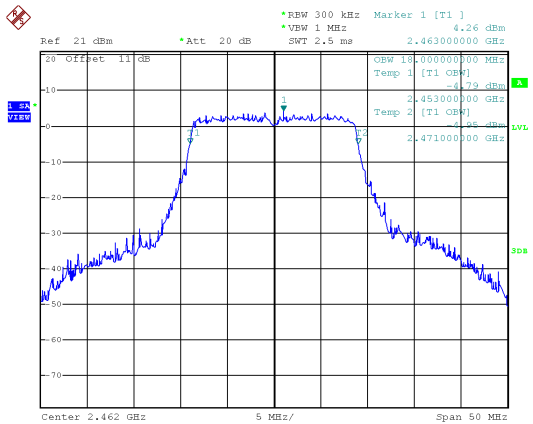
CH06



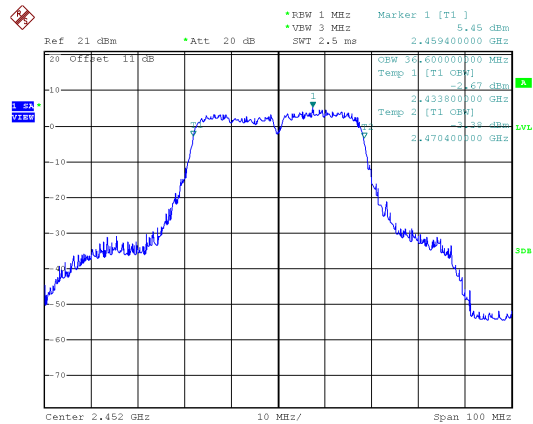
CH06



CH11



CH09





10. Maximum Peak and Average Output Power

10.1 Test Limit

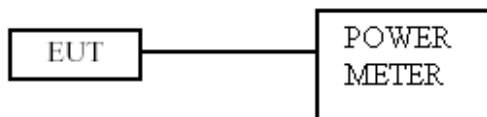
The Maximum Peak Output Power Measurement is 30dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter 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.

10.3 Test Setup Layout





10.4 Test Result and Data

Test Date : May. 22, 2019 Temperature : 22°C
 Humidity : 58%

Modulation Type	CH	Frequency (MHz)	Conducted(peak) output power (dBm)	Total PK power (dBm)	Total PK power (mW)	Powe Limit (dBm)
802.11b	01	2412	15.58	15.58	36.141	29.08
	06	2437	15.43	15.43	34.914	29.08
	11	2462	15.46	15.46	35.156	29.08
802.11g	01	2412	20.47	20.47	111.429	29.08
	06	2437	20.78	20.78	119.674	29.08
	11	2462	20.74	20.74	118.577	29.08
802.11n HT20	01	2412	20.39	20.39	109.396	29.08
	06	2437	20.78	20.78	119.674	29.08
	11	2462	20.41	20.41	109.901	29.08
802.11n HT40	03	2422	20.36	20.36	108.643	29.08
	06	2437	20.65	20.65	116.145	29.08
	09	2452	18.52	18.52	71.121	29.08

Modulation Type	CH	Frequency (MHz)	Conducted(Average) output power (dBm)	Total AV power (dBm)	Total AV power (mW)	Powe Limit (dBm)
802.11b	01	2412	12.84	12.84	19.231	-
	06	2437	12.74	12.74	18.793	-
	11	2462	12.75	12.75	18.836	-
802.11g	01	2412	13.02	13.02	20.045	-
	06	2437	12.99	12.99	19.907	-
	11	2462	12.98	12.98	19.861	-
802.11n HT20	01	2412	12.93	12.93	19.634	-
	06	2437	12.95	12.95	19.724	-
	11	2462	12.31	12.31	17.022	-
802.11n HT40	03	2422	12.81	12.81	19.099	-
	06	2437	12.87	12.87	19.364	-
	09	2452	10.32	10.32	10.765	-

Note: Average power is for reference only.



11. Power Spectral Density

11.1 Test Limit

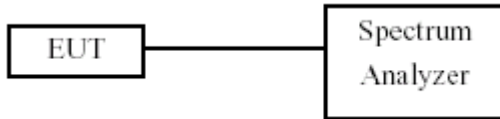
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

- The transmitter output was connected to spectrum analyzer.
- The spectrum analyzer's resolution bandwidth were set at 3kHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- The power spectral density was measured and recorded.

11.3 Test Setup Layout



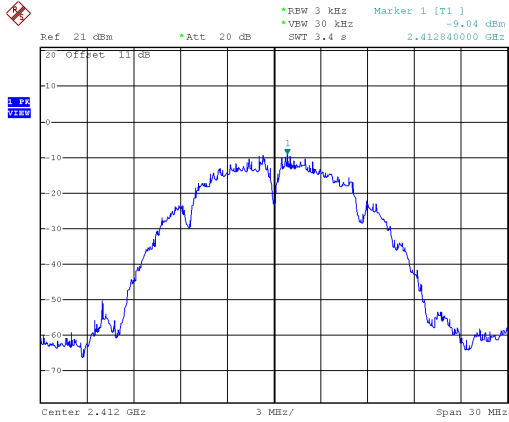
11.4 Test Result and Data

Test Result : PASS Temperature : 22°C
Test Date : May. 22, 2019 Humidity : 58%

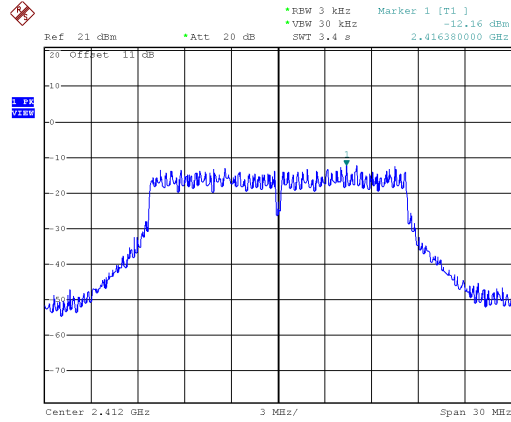
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)	Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
11b	1	2412	-9.04	-9.04	0.00	-9.04	7.08
	6	2437	-9.89	-9.89	0.00	-9.89	7.08
	11	2462	-9.28	-9.28	0.00	-9.28	7.08
11g	1	2412	-12.16	-12.16	0.00	-12.16	7.08
	6	2437	-11.87	-11.87	0.00	-11.87	7.08
	11	2462	-11	-11.00	0.00	-11.00	7.08
11n HT20	1	2412	-11.92	-11.92	0.00	-11.92	7.08
	6	2437	-12.32	-12.32	0.00	-12.32	7.08
	11	2462	-12.96	-12.96	0.00	-12.96	7.08
11n HT40	3	2422	-16.27	-16.27	0.00	-16.27	7.08
	6	2437	-15.45	-15.45	0.00	-15.45	7.08
	9	2452	-18.66	-18.66	0.00	-18.66	7.08



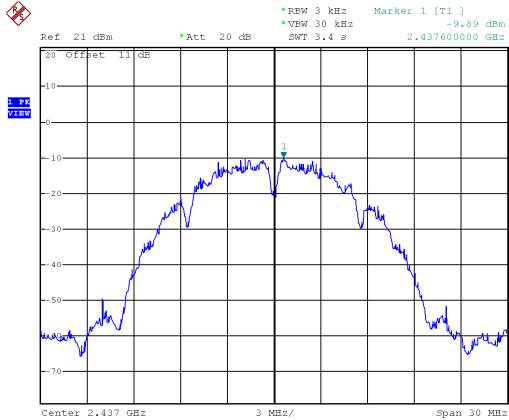
Modulation Type: 802.11b
CH01



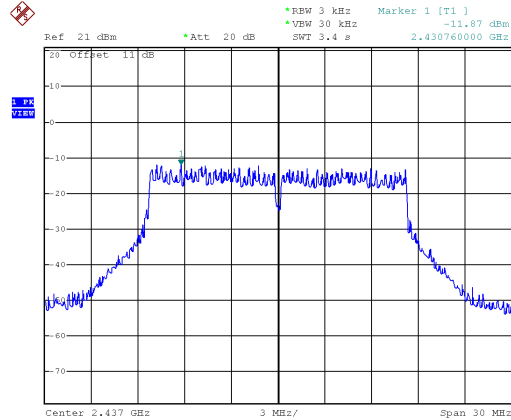
Modulation Type: 802.11g
CH01



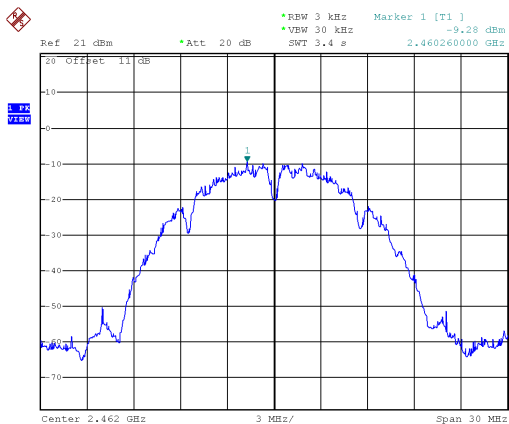
CH06



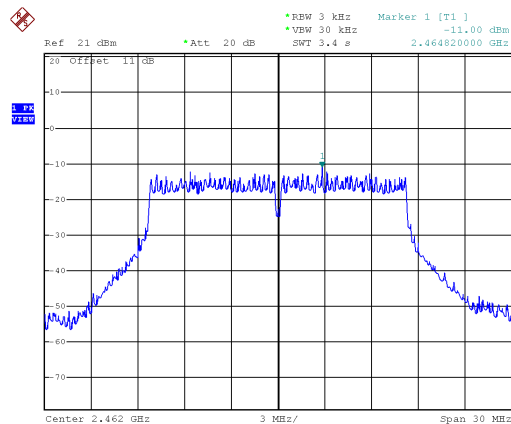
CH06



CH11

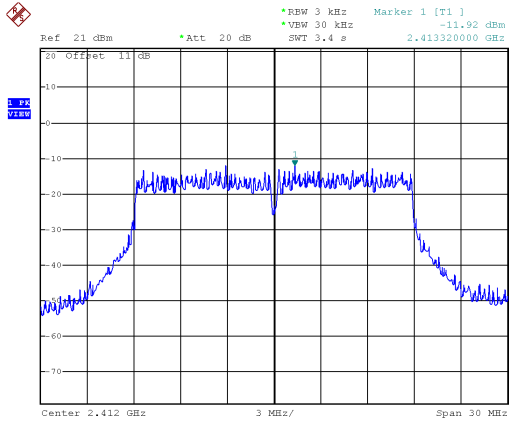


CH11

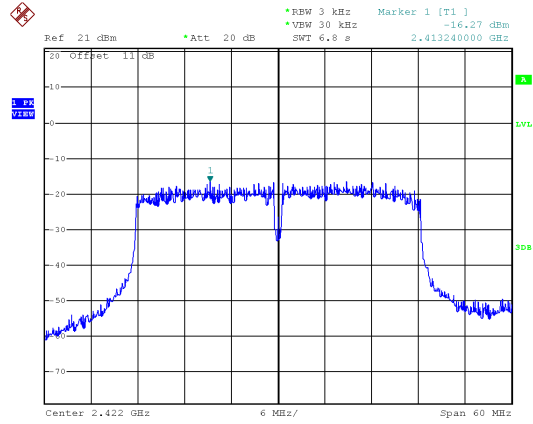




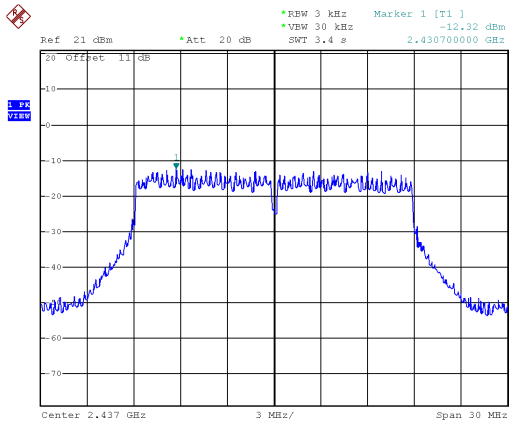
Modulation Type: 802.11n HT20
CH01



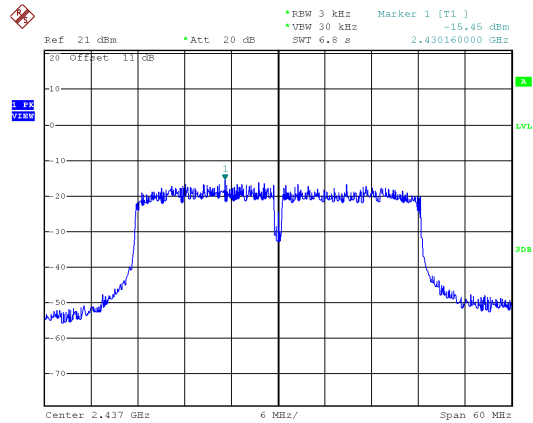
Modulation Type: 802.11n HT40
CH03



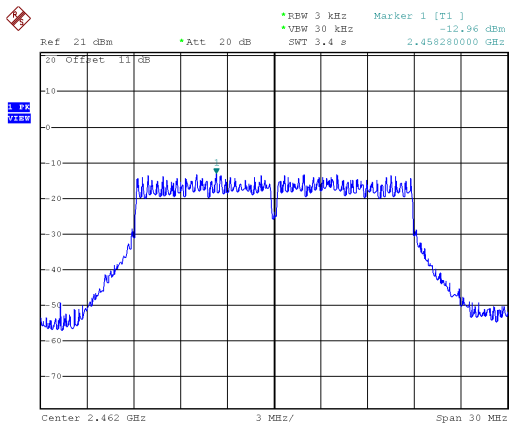
CH06



CH06



CH11



CH09

