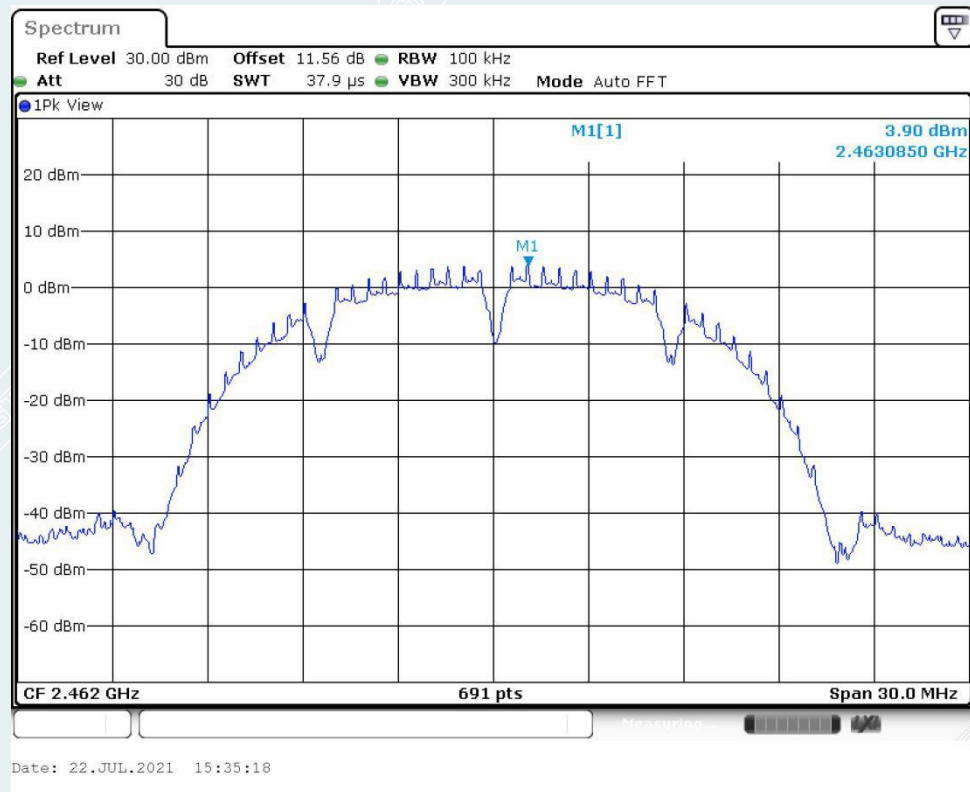
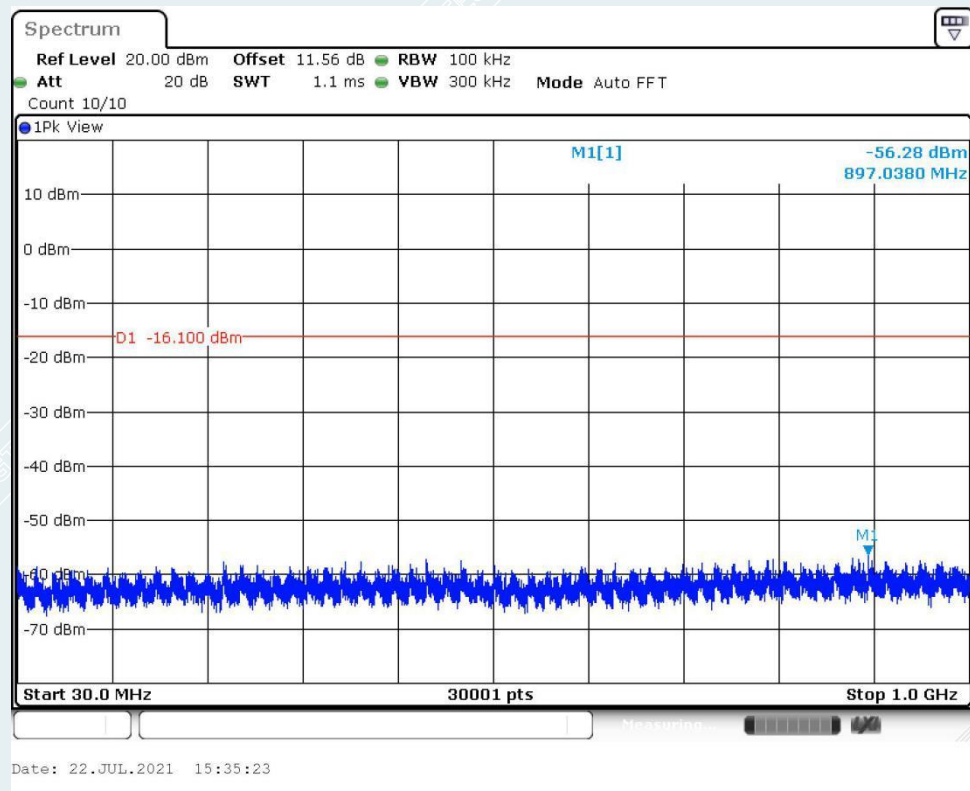


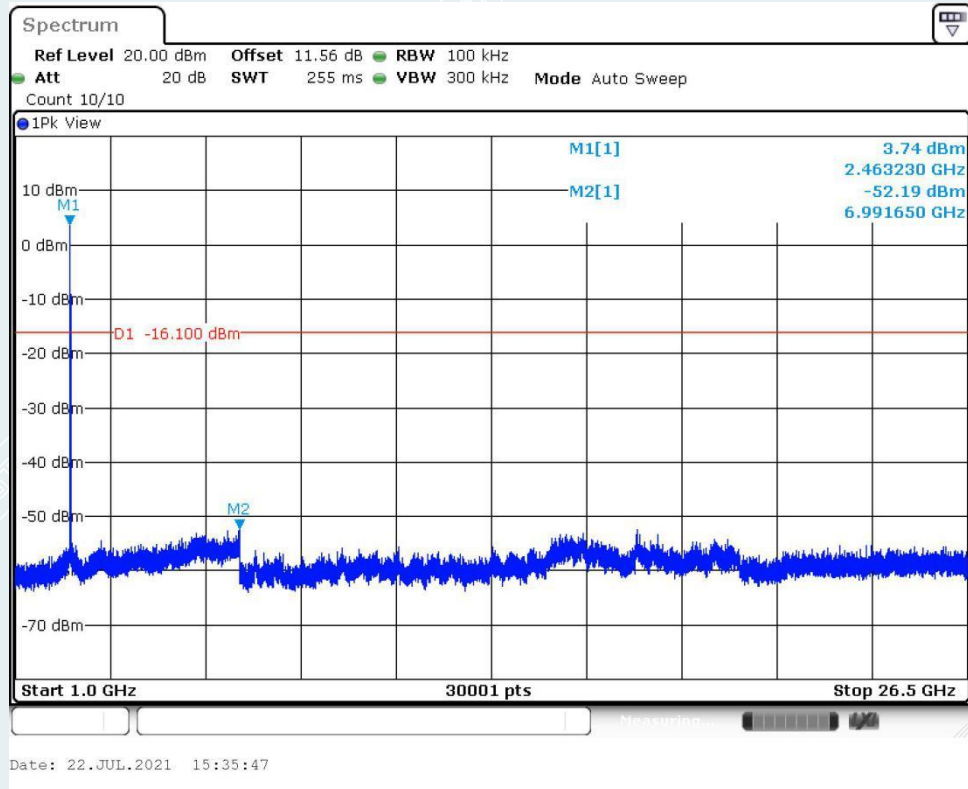
802.11b mode:
Channel 2462MHz
Reference



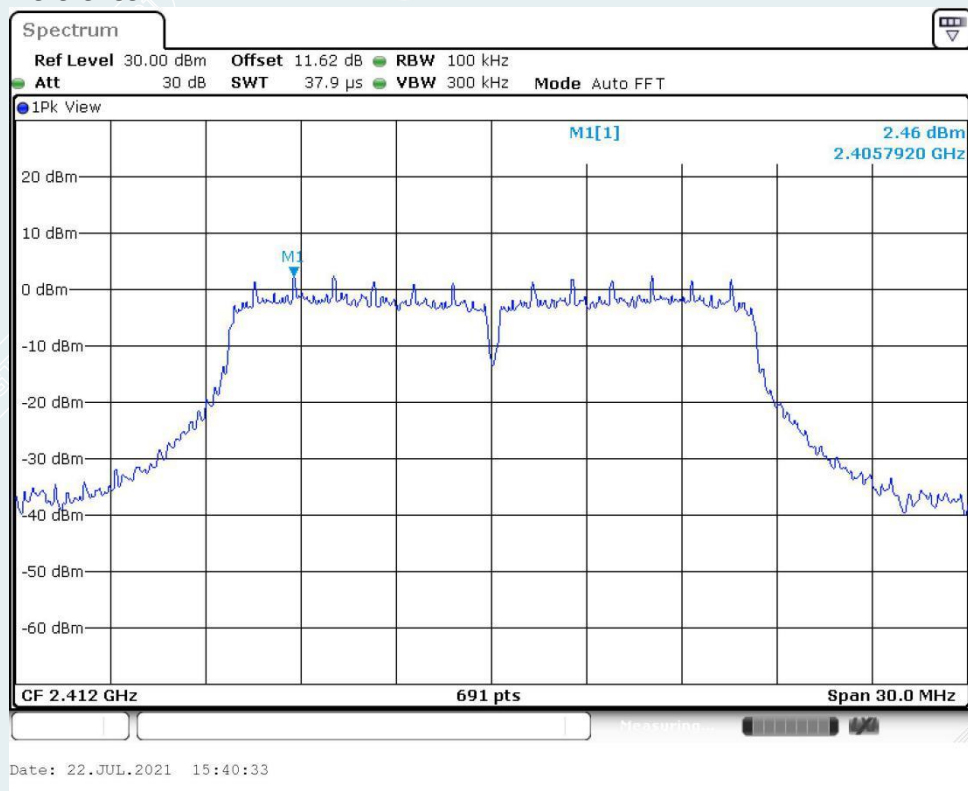
0.03GHz-1GHz



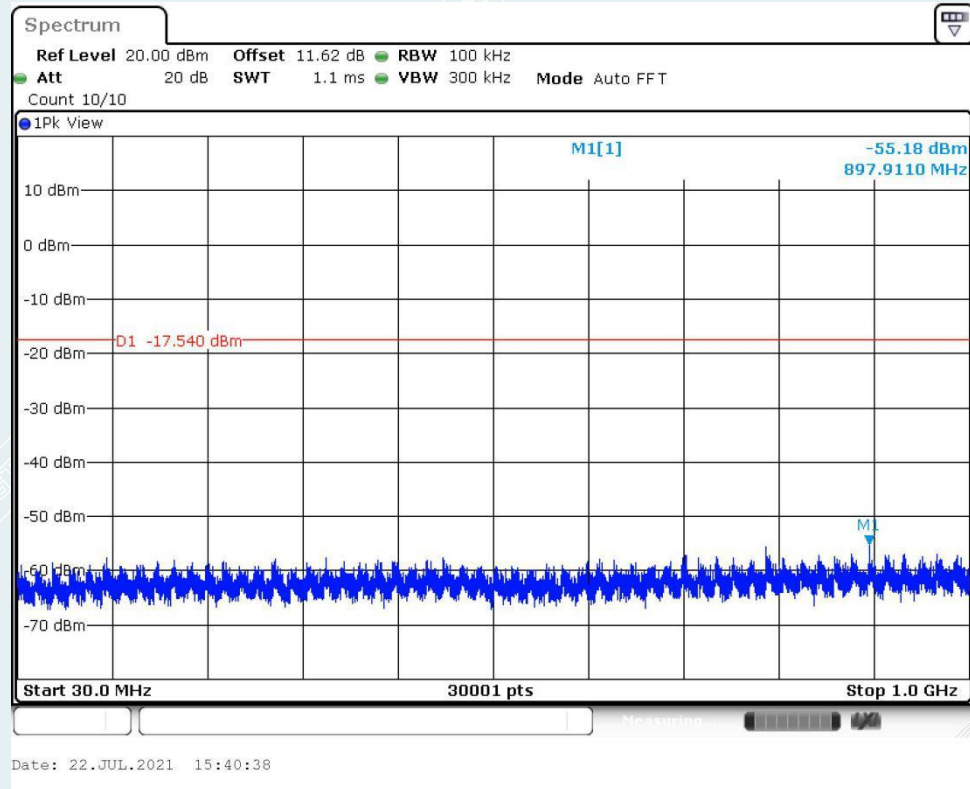
1GHz-26.5GHz



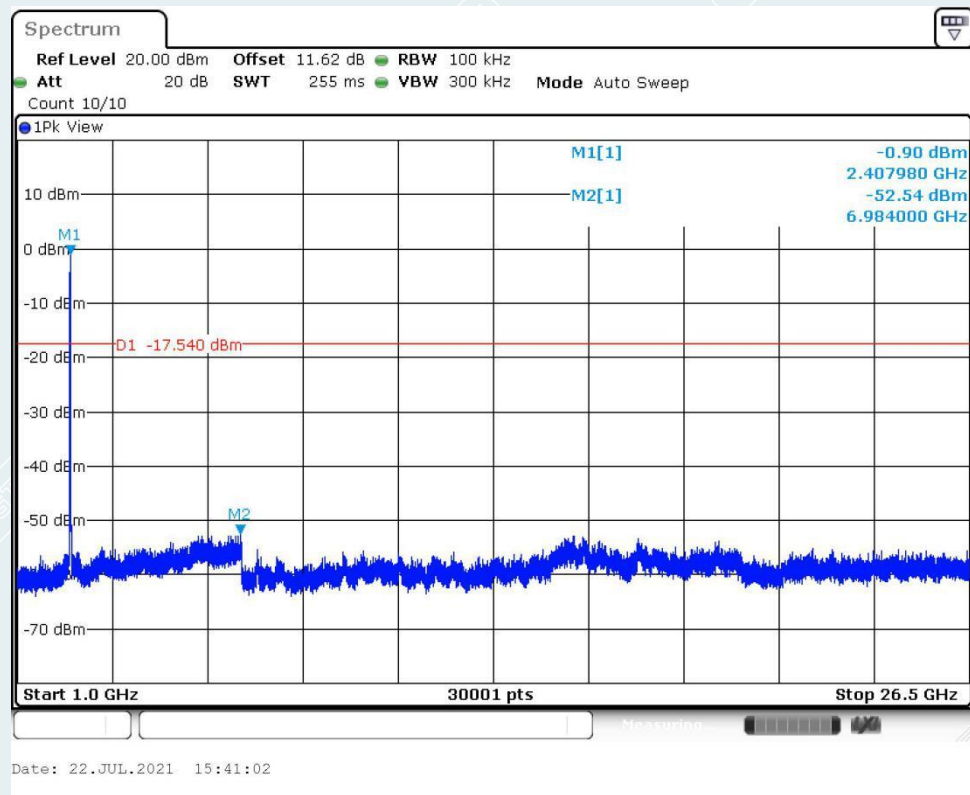
802.11g mode:
Channel 2412MHz
Reference



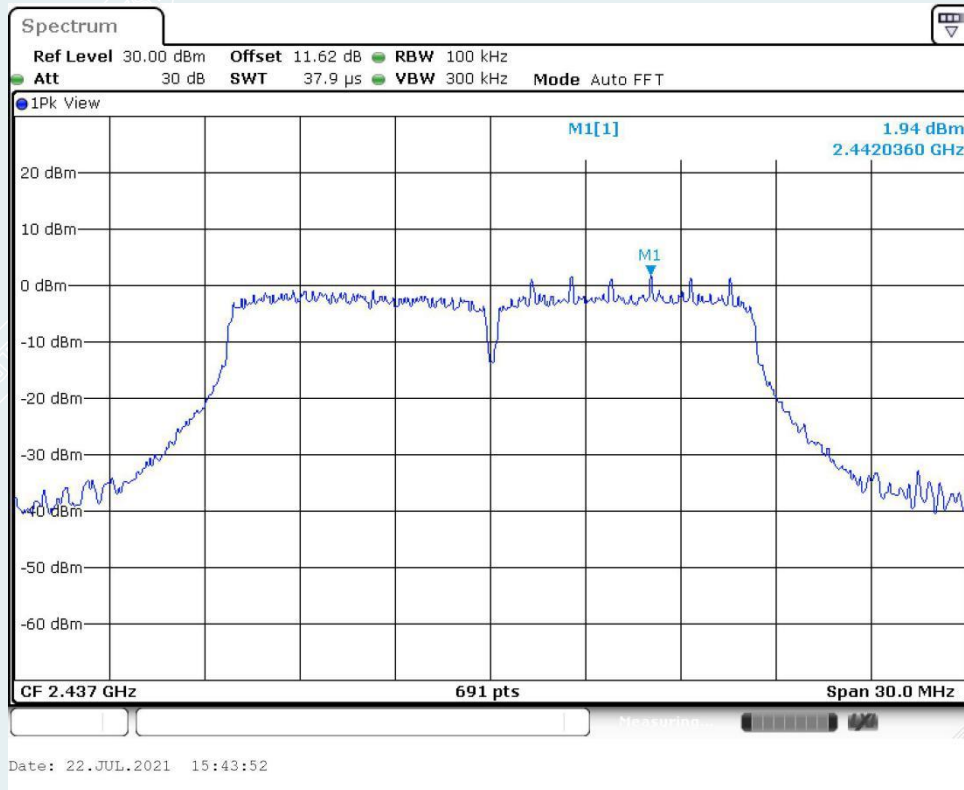
0.03GHz-1GHz



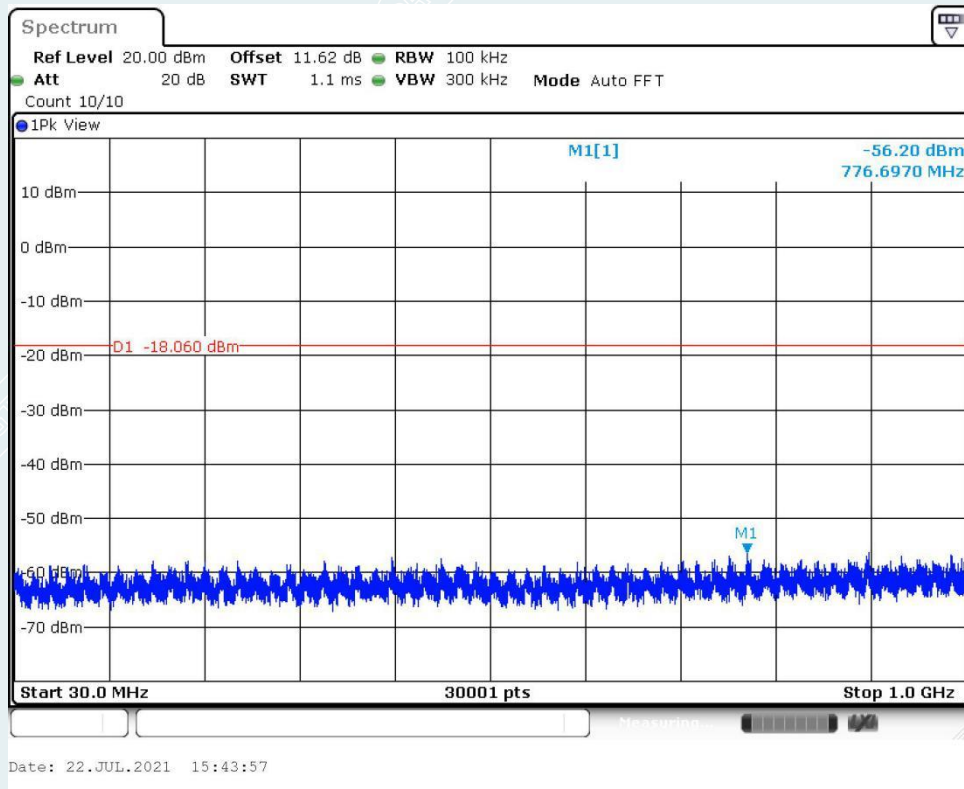
1GHz-26.5GHz



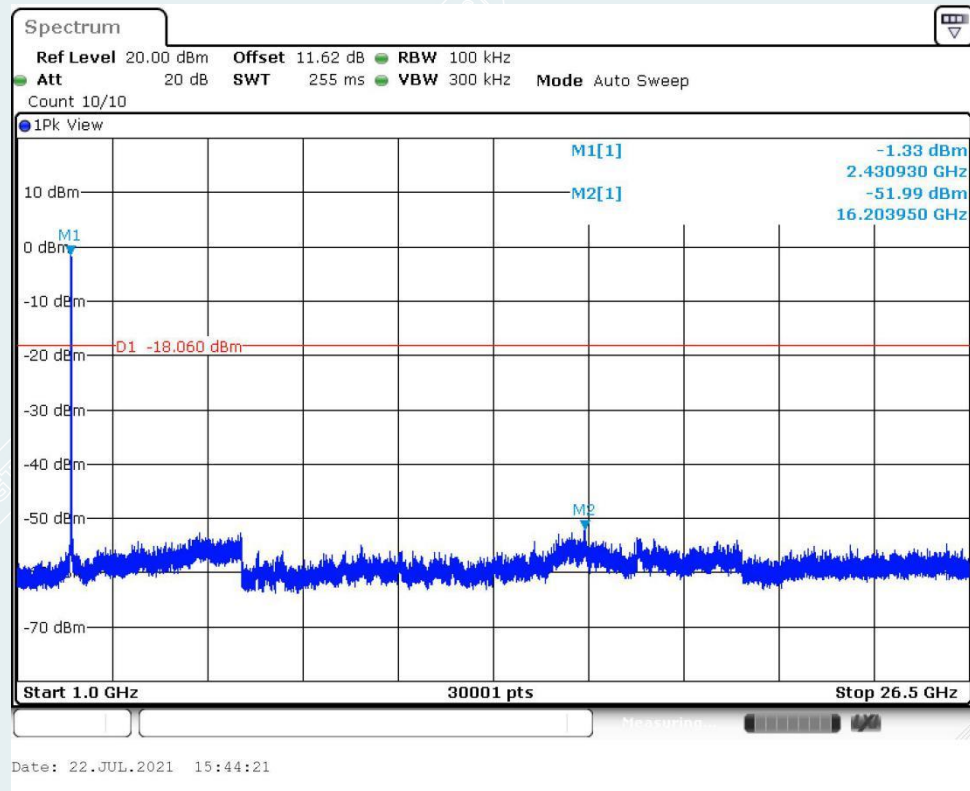
802.11g mode:
Channel 2437MHz
Reference



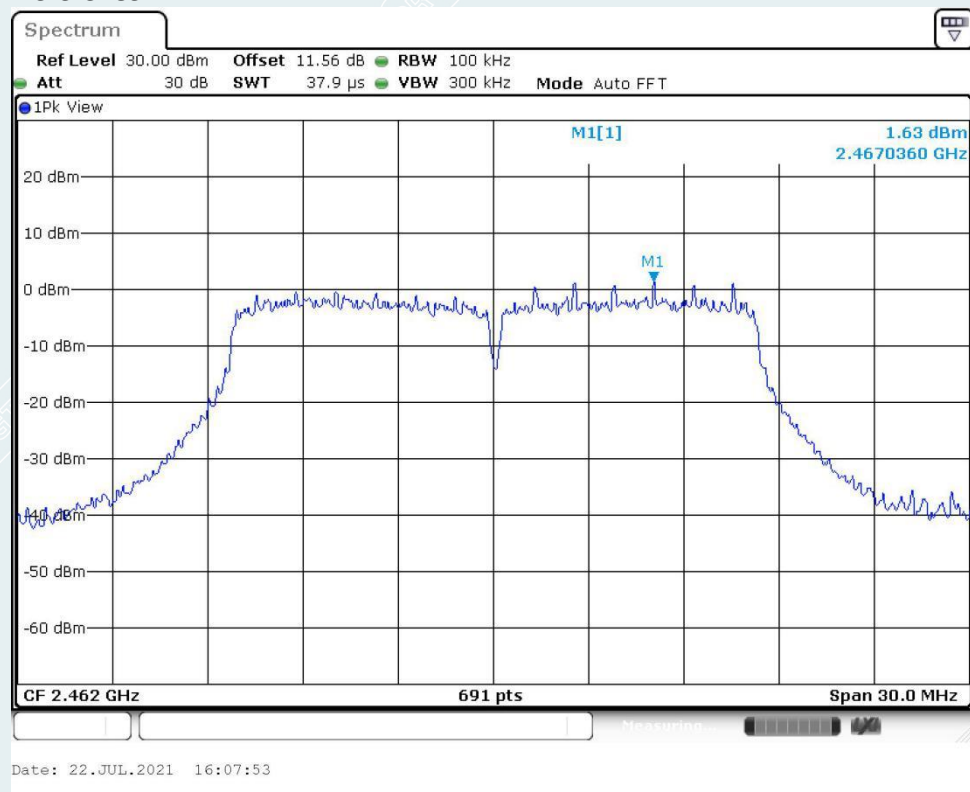
0.03GHz-1GHz



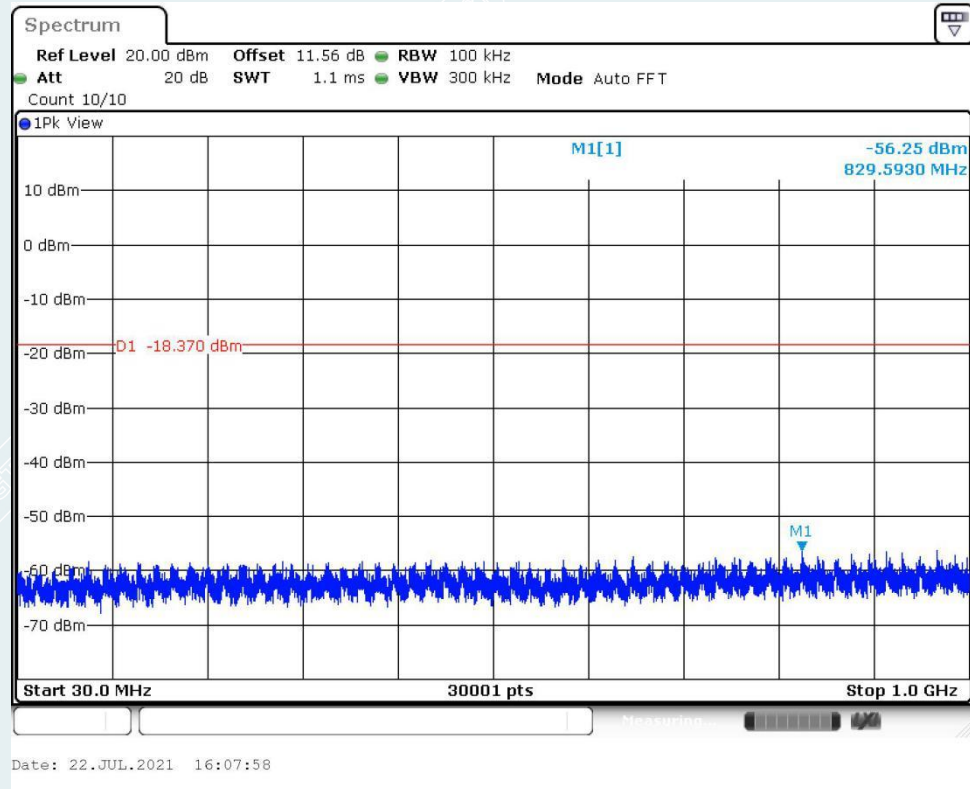
1GHz-26.5GHz



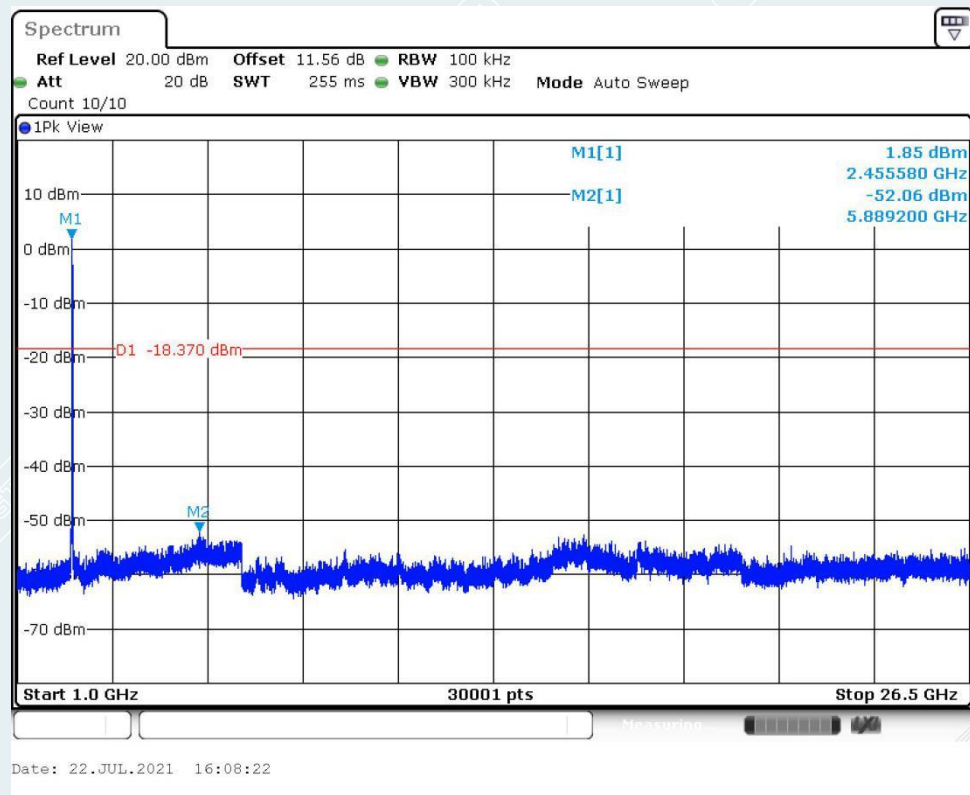
802.11g mode:
Channel 2462MHz
Reference



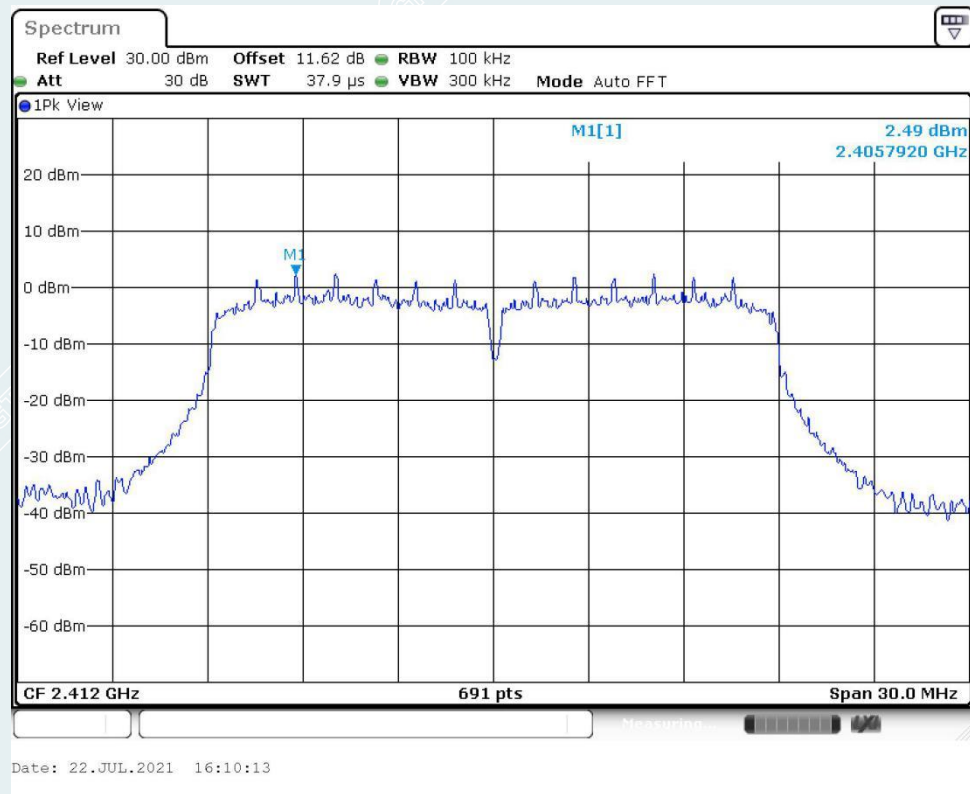
0.03GHz-1GHz



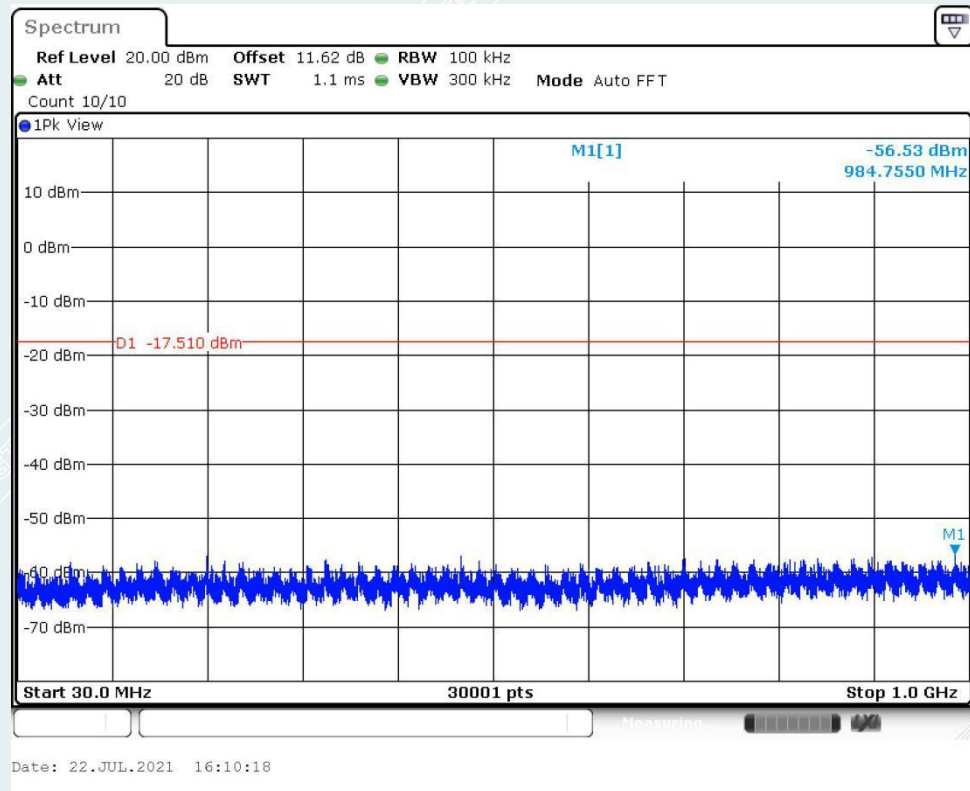
1GHz-26.5GHz



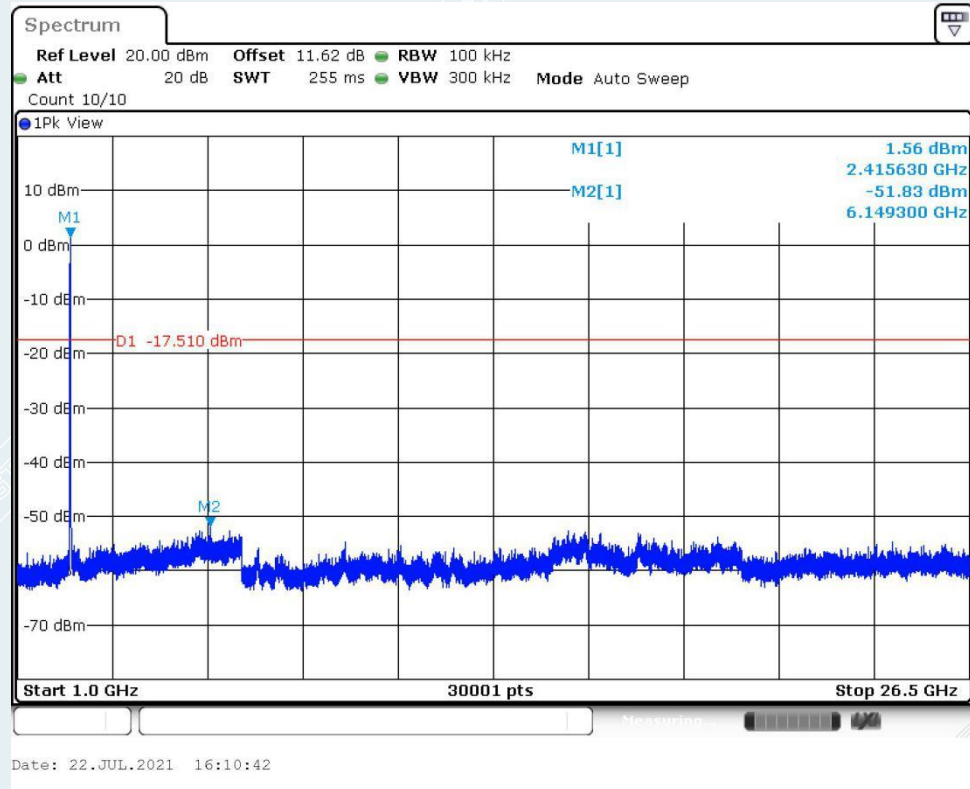
802.11n HT20 mode:
Channel 2412MHz
Reference



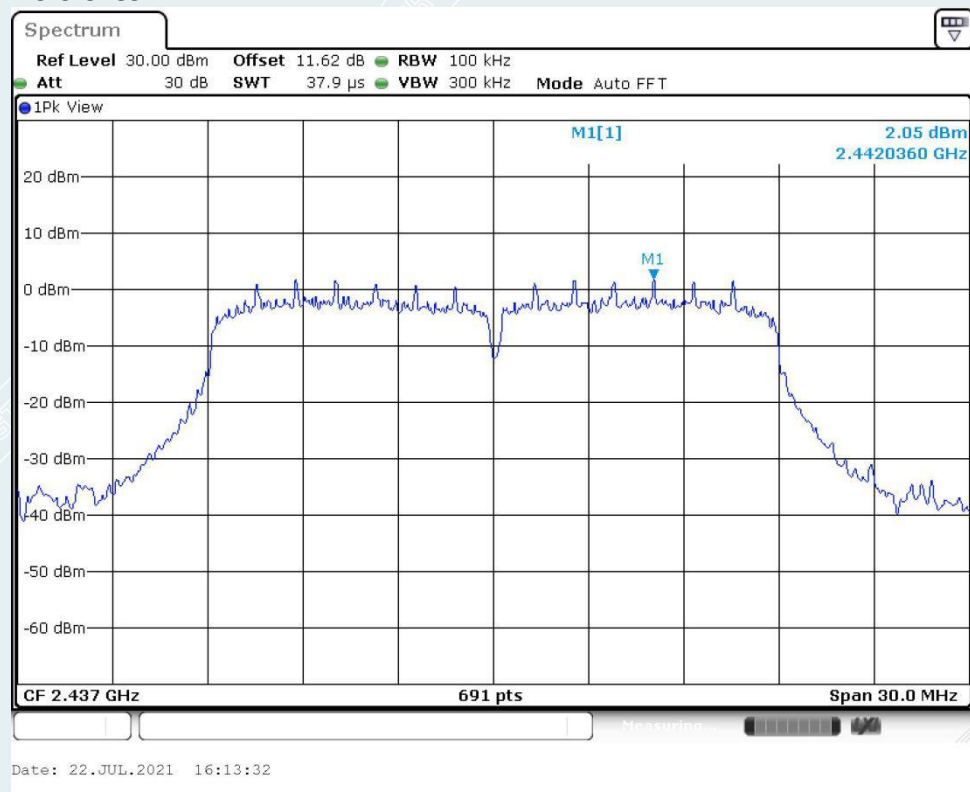
0.03GHz-1GHz



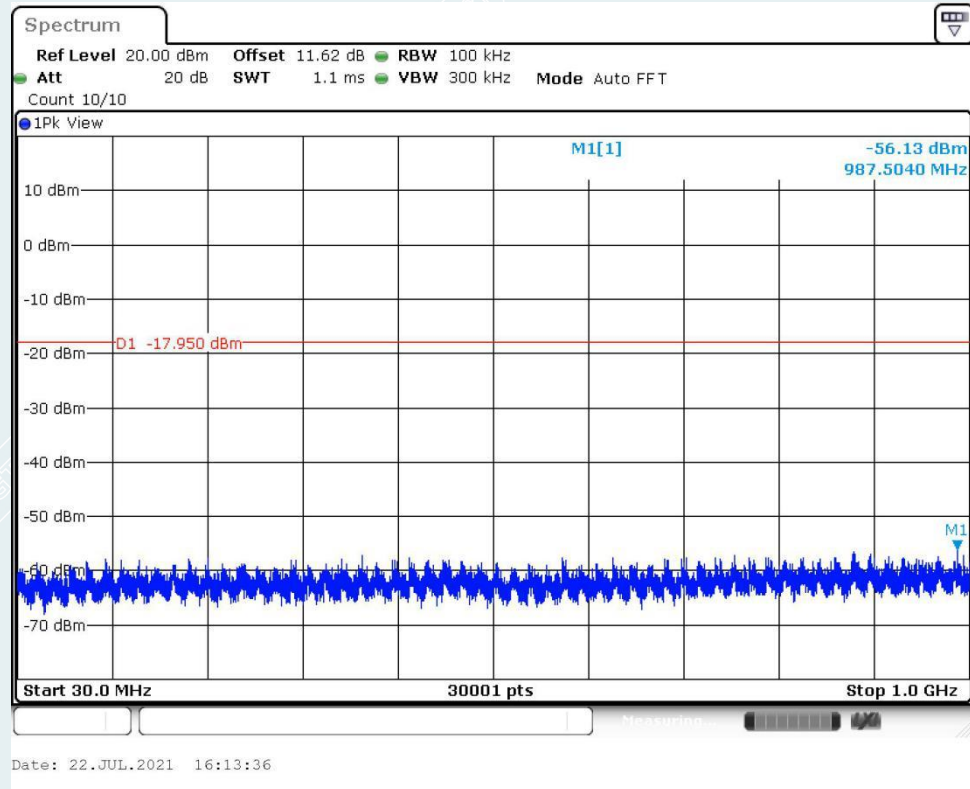
1GHz-26.5GHz



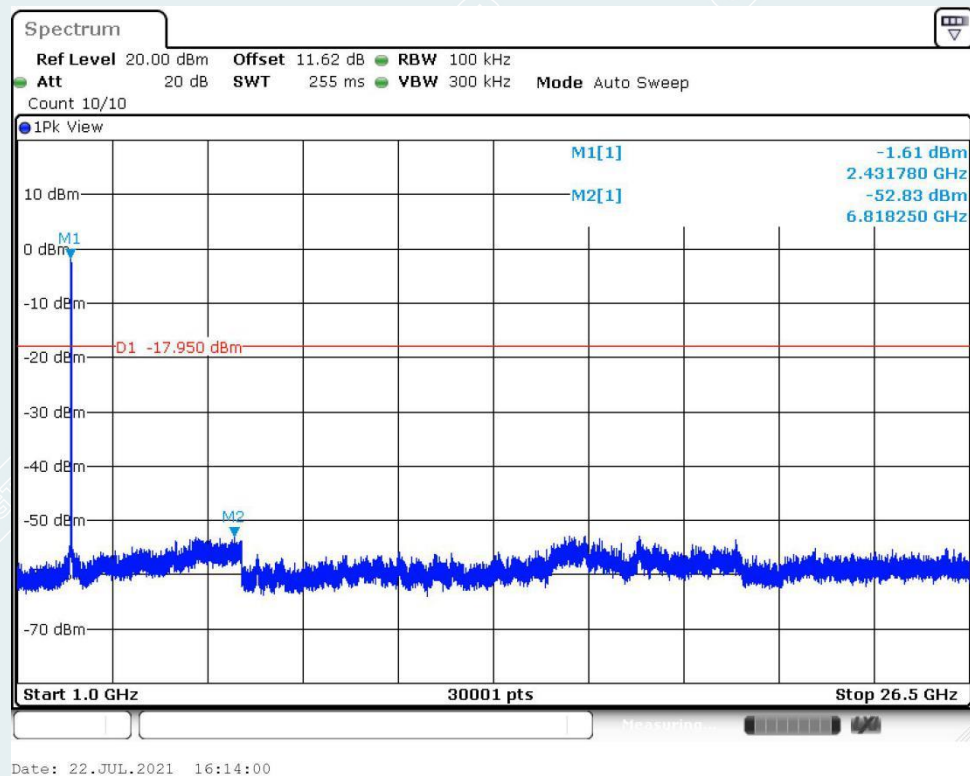
802.11n HT20 mode:
Channel 2437MHz
Reference



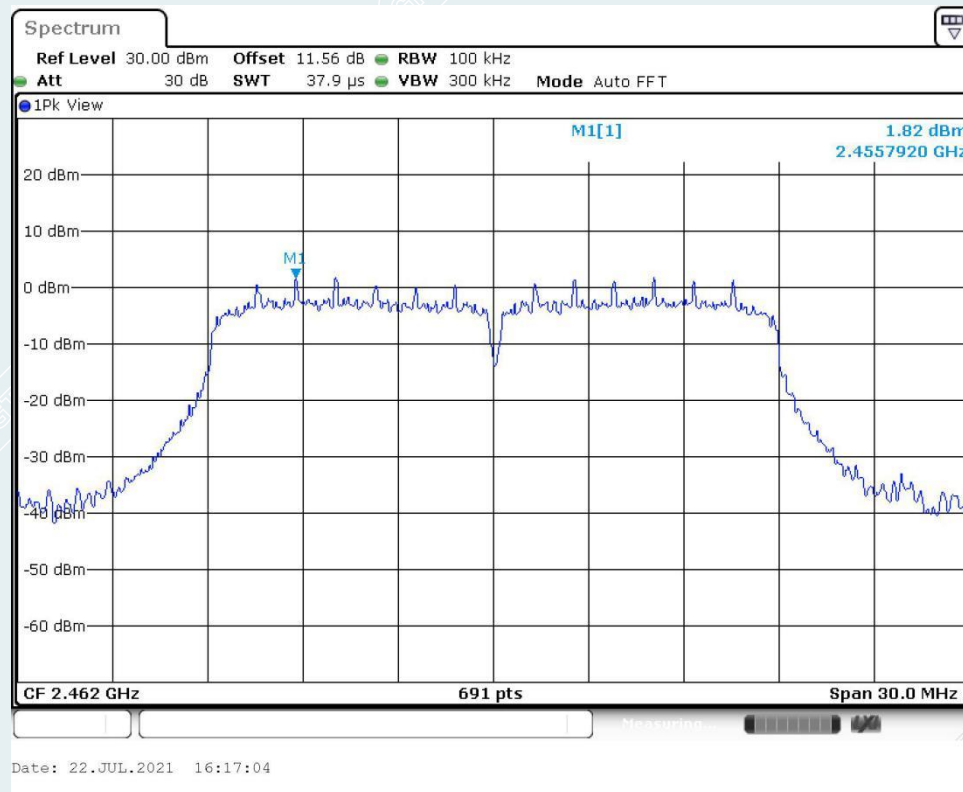
0.03GHz-1GHz



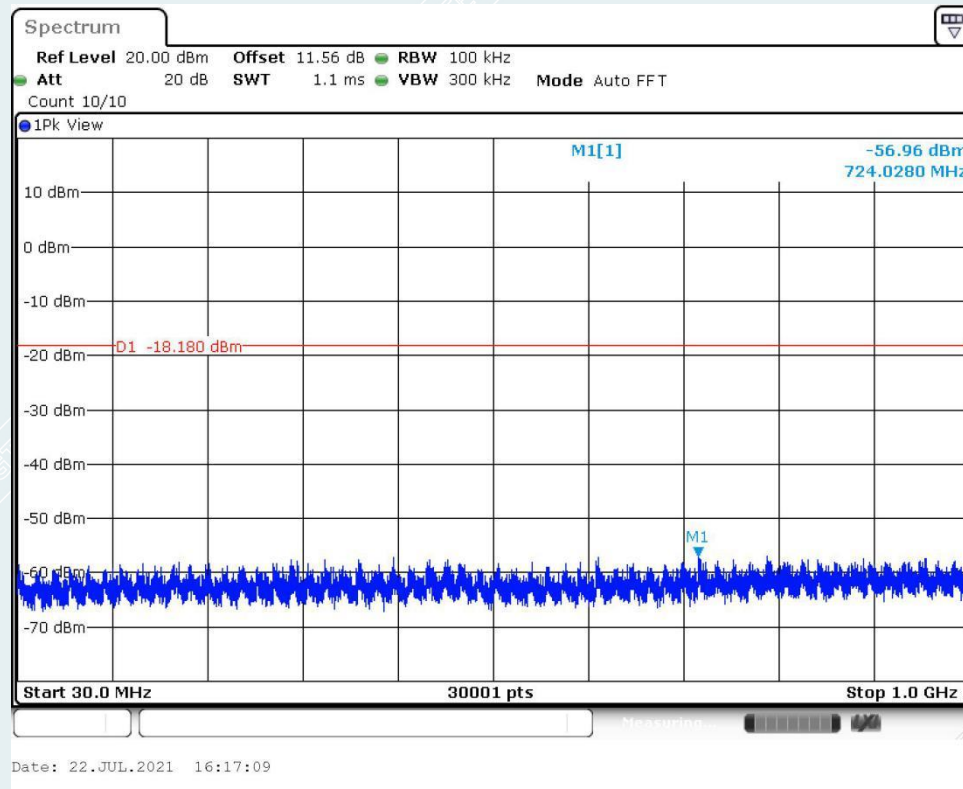
1GHz-26.5GHz



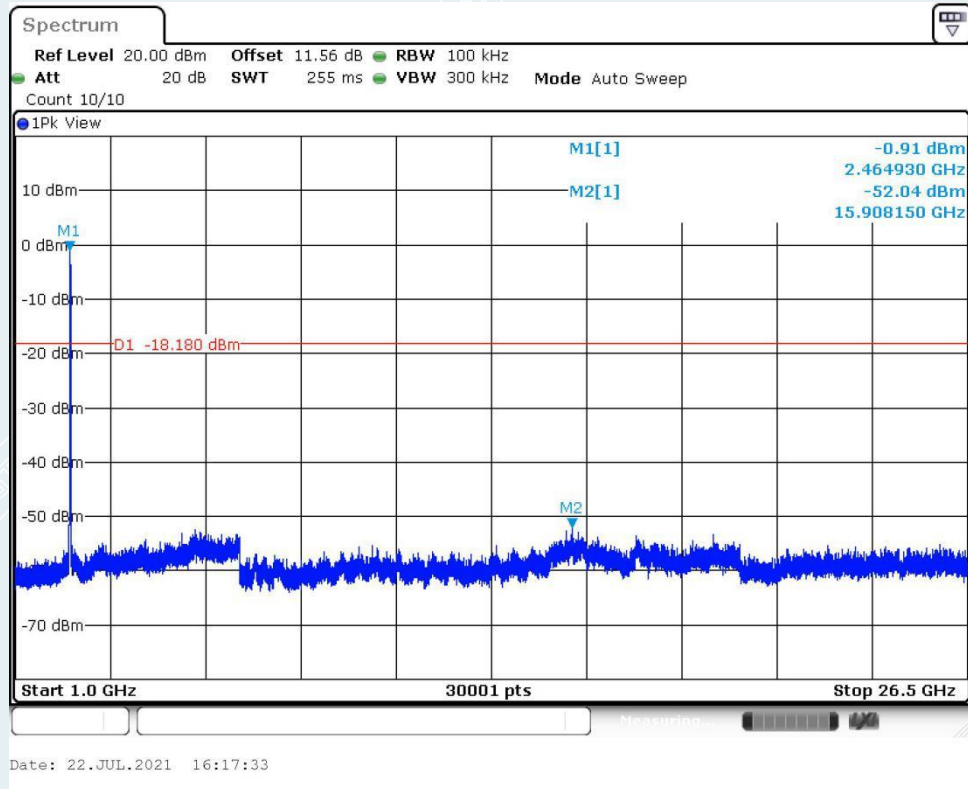
802.11n HT20 mode:
Channel 2462MHz
Reference



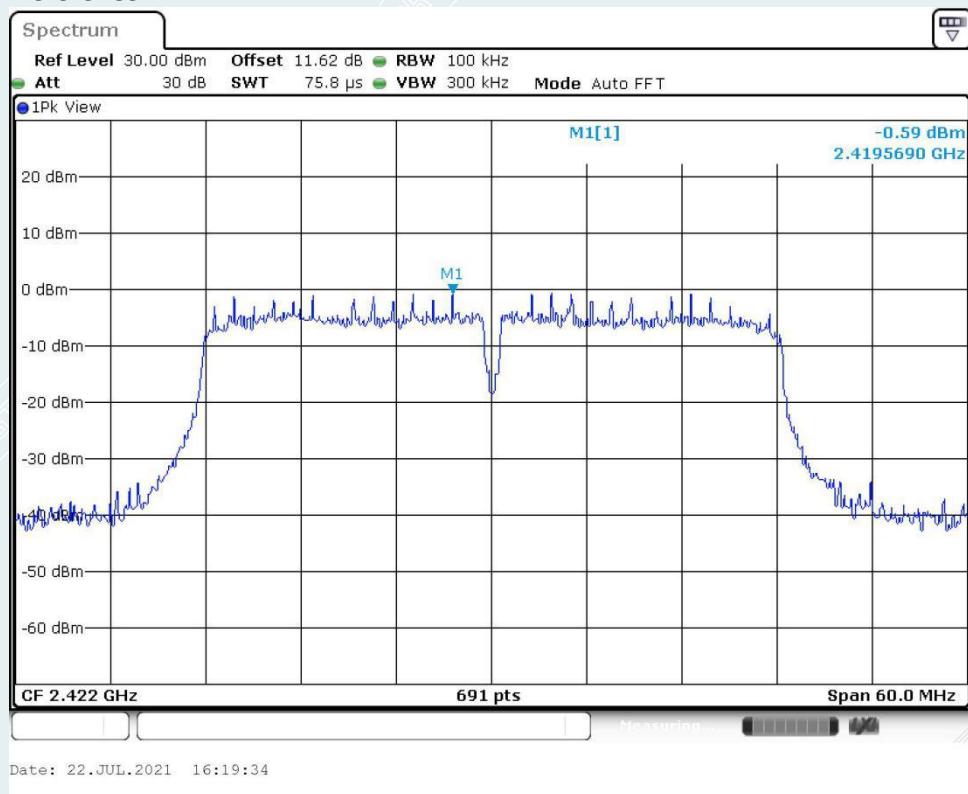
0.03GHz-1GHz



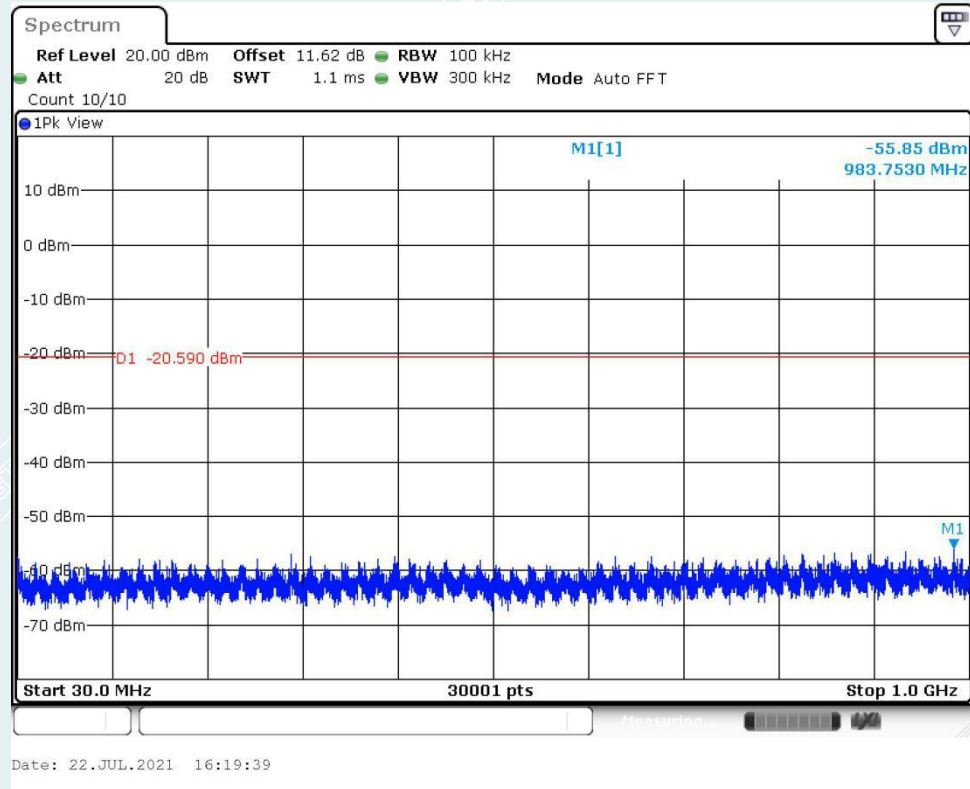
1GHz-26.5GHz



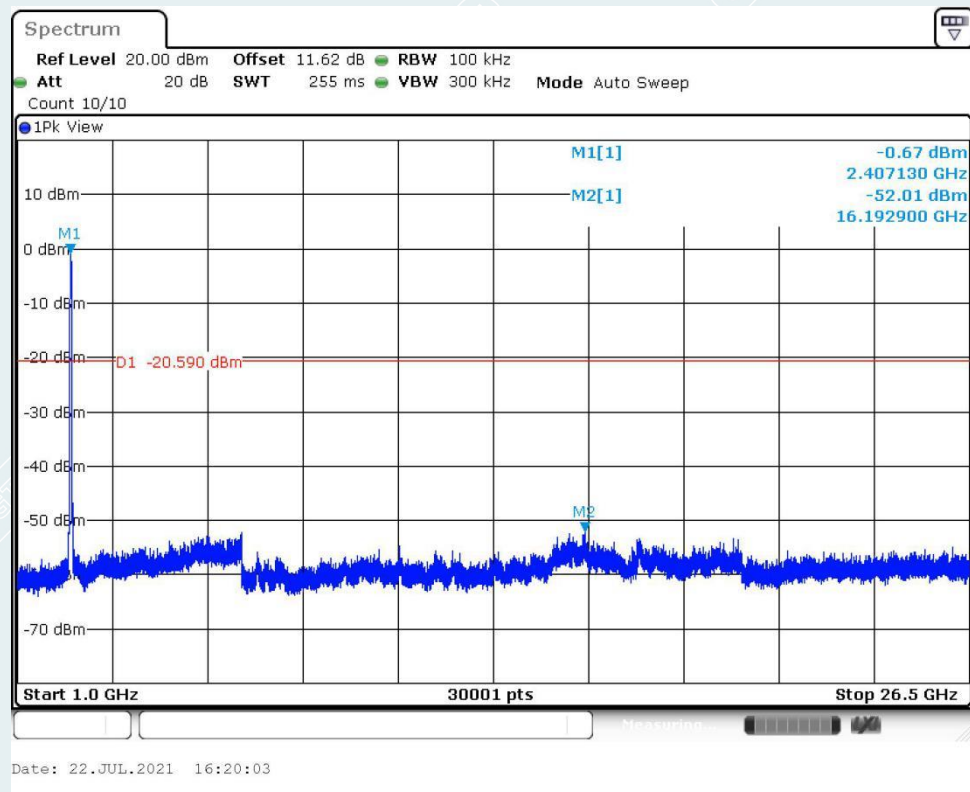
802.11n HT40 mode:
Channel 2422MHz
Reference



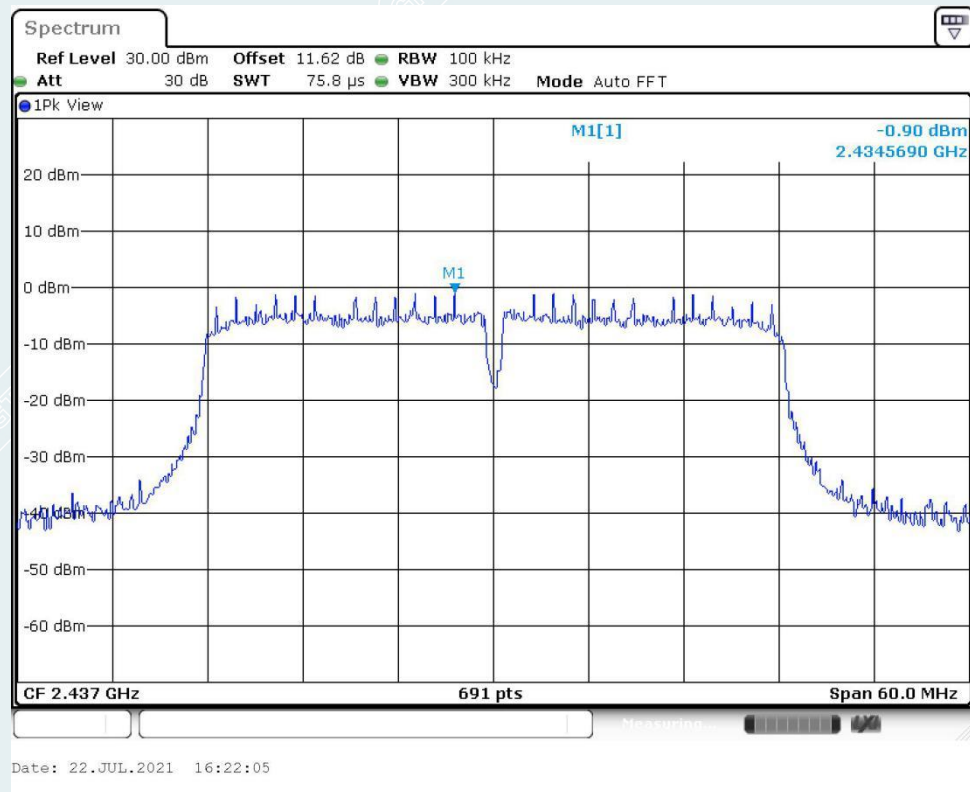
0.03GHz-1GHz



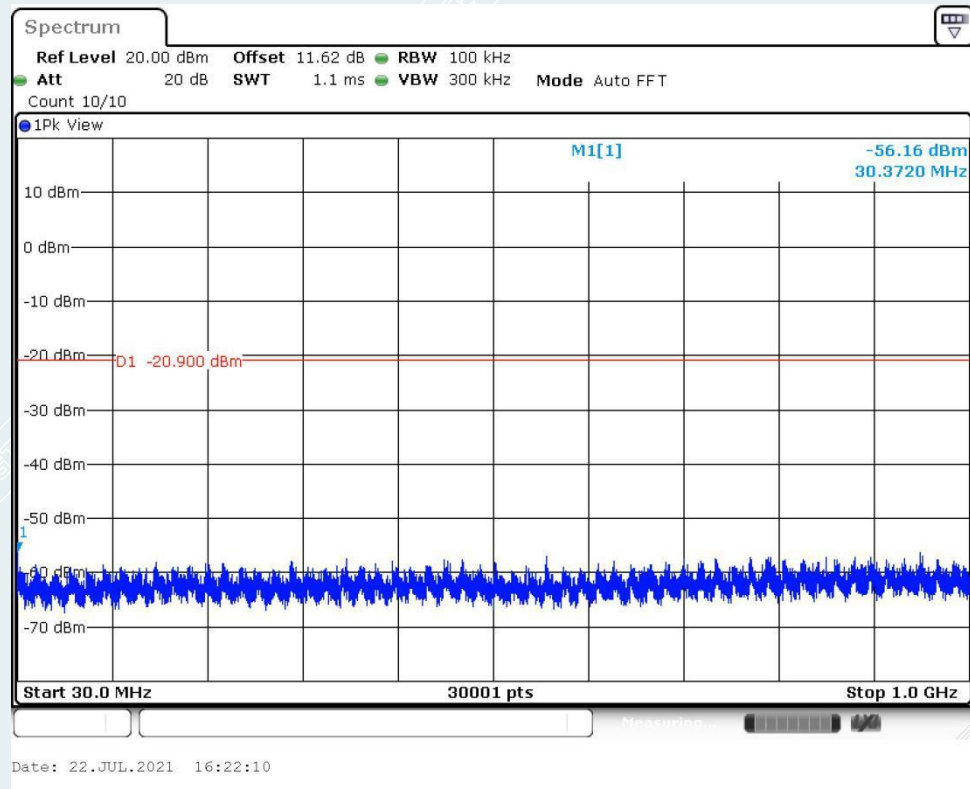
1GHz-26.5GHz



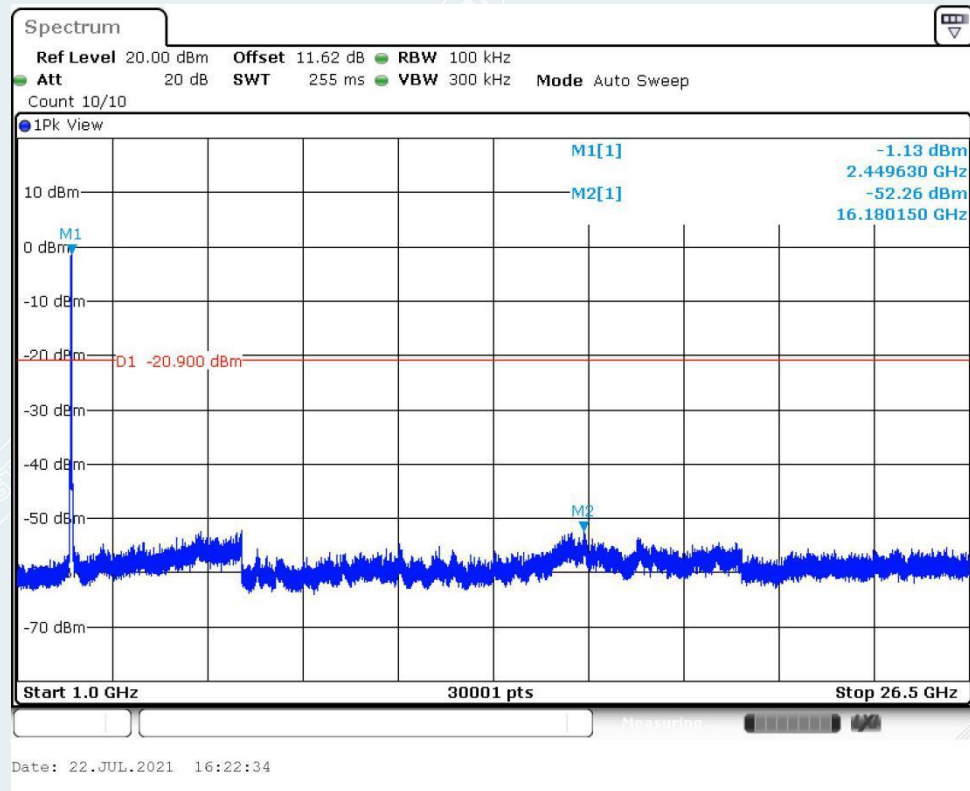
802.11n HT40 mode:
Channel 2437MHz
Reference



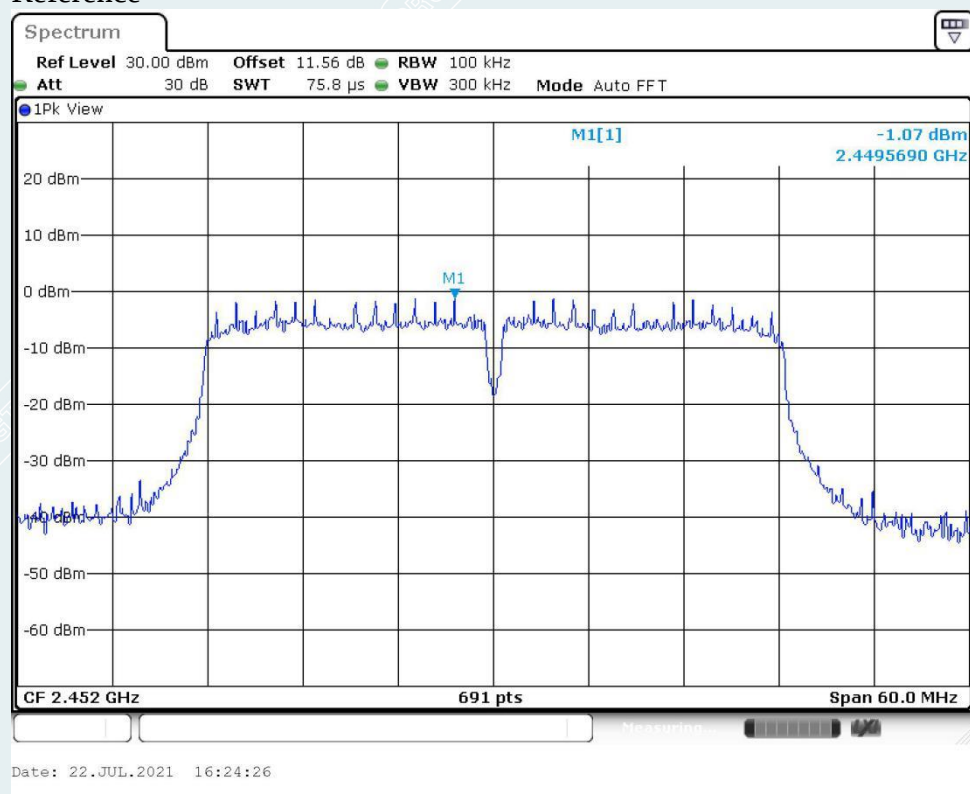
0.03GHz-1GHz



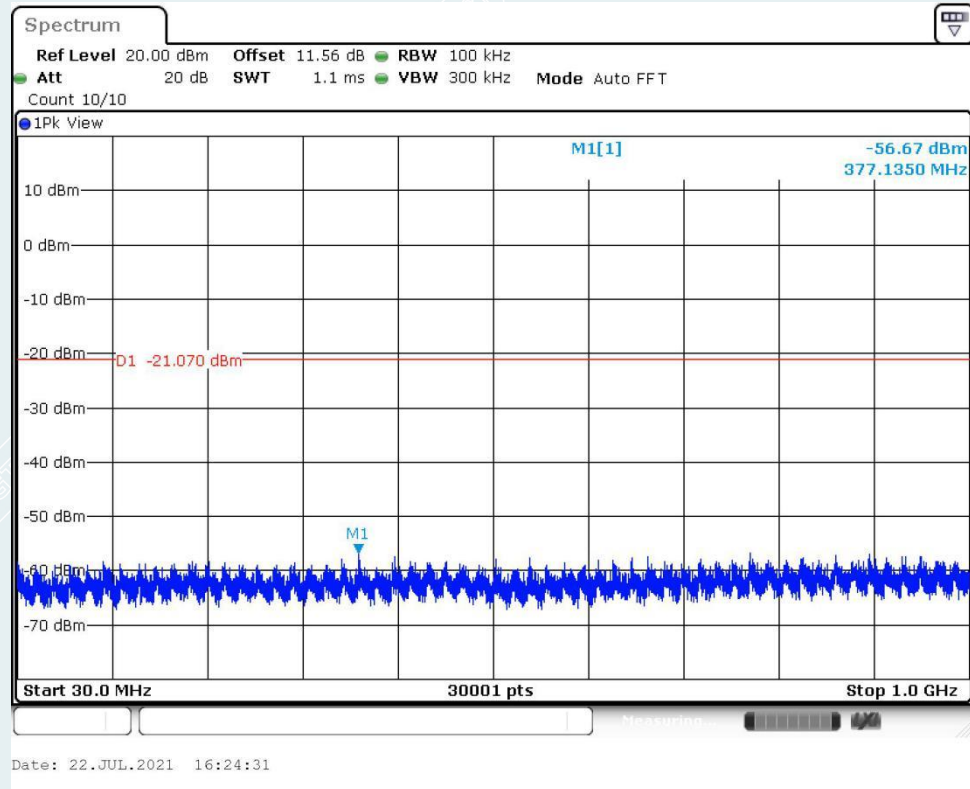
1GHz-26.5GHz



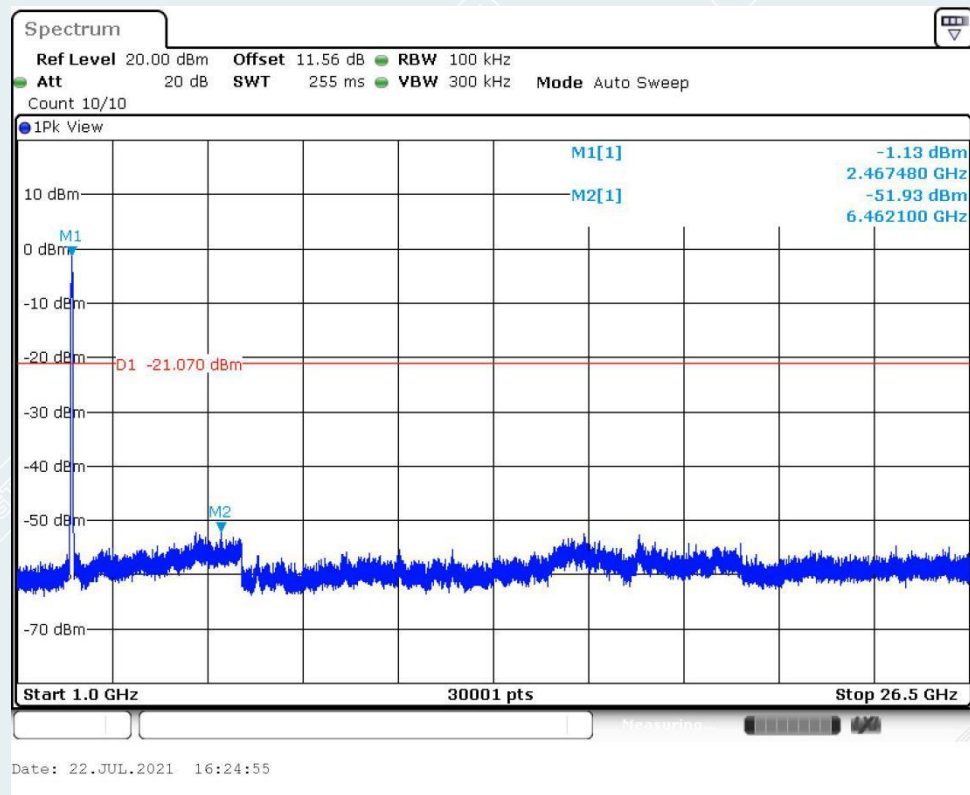
802.11n HT40 mode:
Channel 2452MHz
Reference



0.03GHz-1GHz



1GHz-26.5GHz



11. RESTRICTED BANDS OF OPERATION

11.1. LIMITS

Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

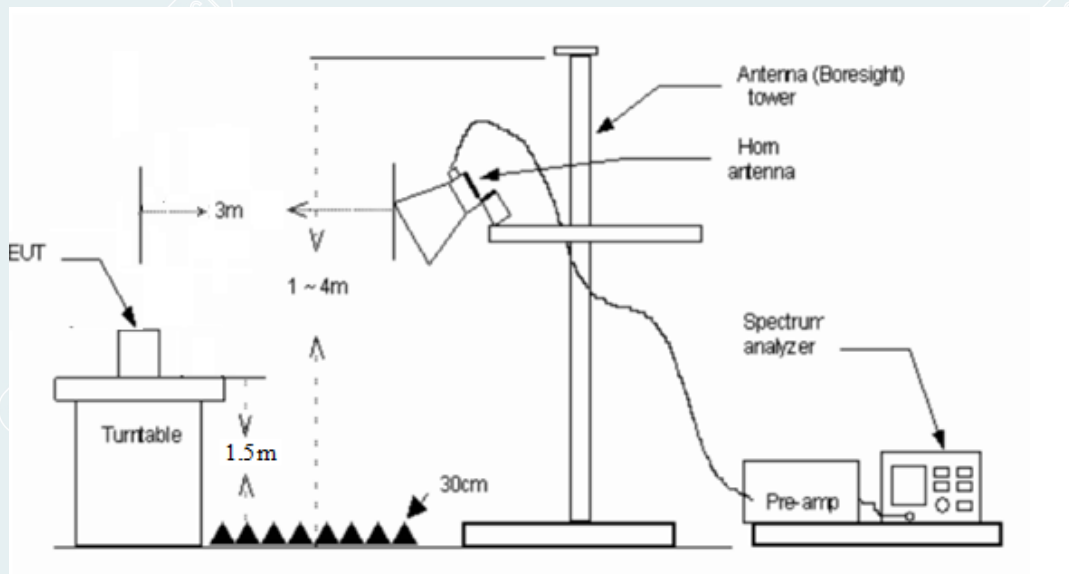
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 -	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.69525	960 - 1240	7.25 - 7.75
4.125 - 4.128	16.80425 -	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	16.80475	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	25.5 - 25.67	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	37.5 - 38.25	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	73 - 74.6	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	74.8 - 75.2	2200 - 2300	14.47 - 14.5
8.291 - 8.294	108 - 121.94	2310 - 2390	15.35 - 16.2
8.362 - 8.366	123 - 138	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	149.9 - 150.05	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.52475 -	3260 - 3267	23.6 - 24.0
12.29 - 12.293	156.52525	3332 - 3339	31.2 - 31.8
12.51975 -	156.7 - 156.9	3345.8 - 3358	36.43 - 36.5
12.52025	162.0125 - 167.17	3600 - 4400	
12.57675 -	167.72 - 173.2		
12.57725	240 - 285		
13.36 - 13.41	322 - 335.4		

11.2. TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v03r01.

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO
 - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO
- 5) Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

11.3. TEST SETUP



11.4. TEST RESULTS

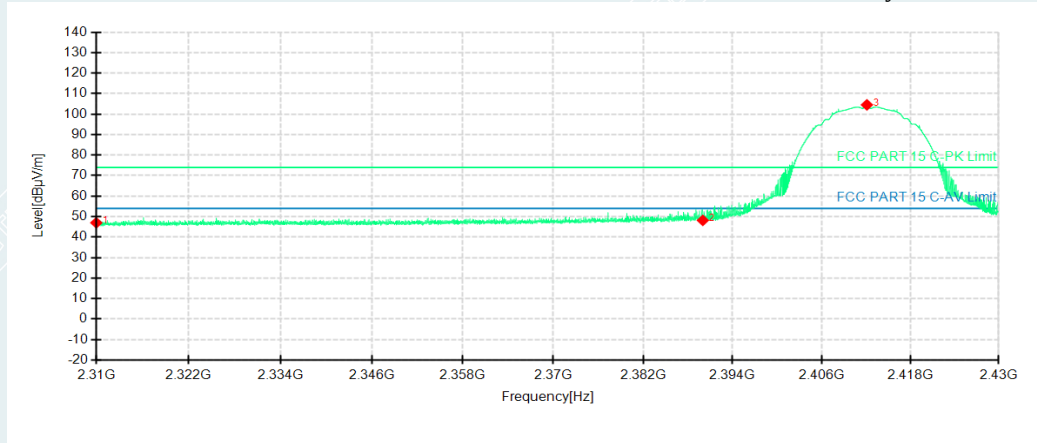
802.11b mode

Lowest Channel

Channel 2412MHz

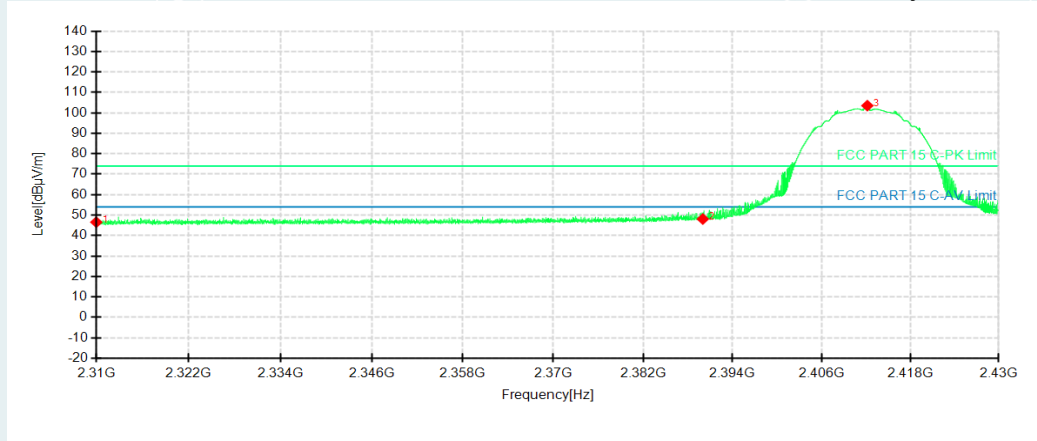
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



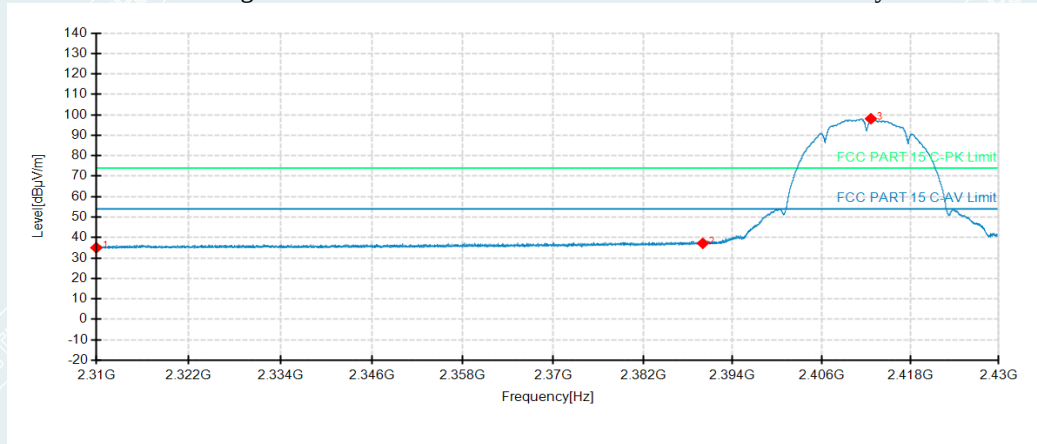
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	43.98	46.97	2.99	74.00	27.03	200	39	Horizontal	/
2	2390.0000	44.96	48.15	3.19	74.00	25.85	200	0	Horizontal	/
3	2412.1200	101.12	104.50	3.38	74.00	-30.50	200	25	Horizontal	N/A
1	2310.0000	43.54	46.53	2.99	74.00	27.47	200	20	Vertical	/
2	2390.0000	44.88	48.07	3.19	74.00	25.93	100	360	Vertical	/
3	2412.1800	100.13	103.51	3.38	74.00	-29.51	100	359	Vertical	N/A

802.11b mode**Lowest Channel**

Channel 2412MHz

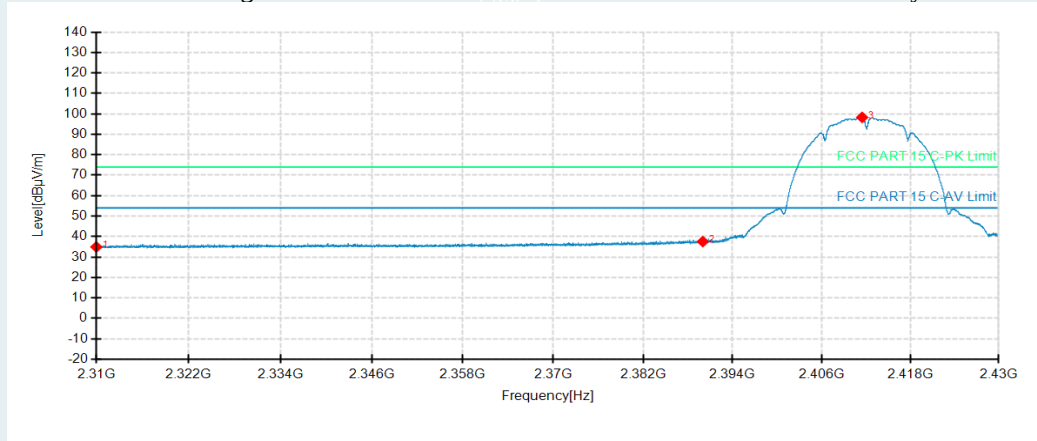
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



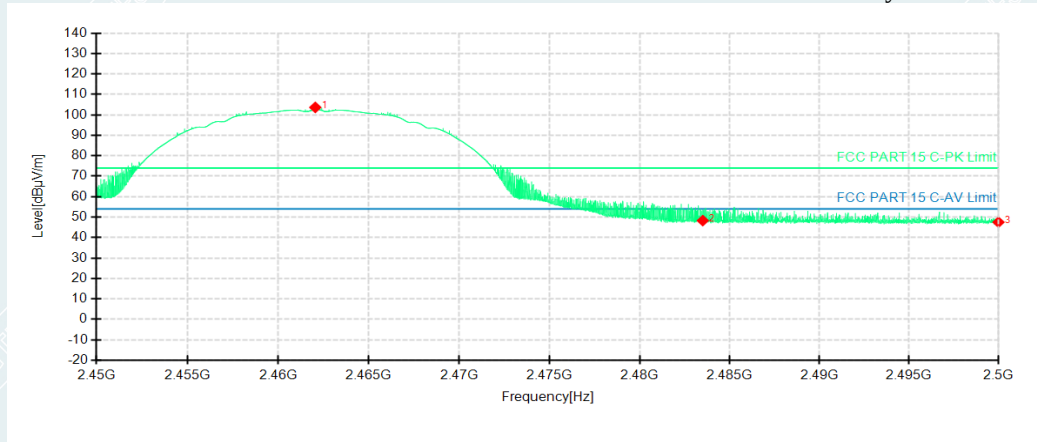
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	32.01	35.00	2.99	54.00	19.00	100	32	Horizontal	/
2	2390.0000	33.98	37.17	3.19	54.00	16.83	100	41	Horizontal	/
3	2412.6600	94.72	98.10	3.38	54.00	-44.10	100	51	Horizontal	N/A
1	2310.0000	31.92	34.91	2.99	54.00	19.09	100	2	Vertical	/
2	2390.0000	34.34	37.53	3.19	54.00	16.47	100	10	Vertical	/
3	2411.4750	94.89	98.27	3.38	54.00	-44.27	100	356	Vertical	N/A

802.11b mode**Highest Channel**

Channel 2462MHz

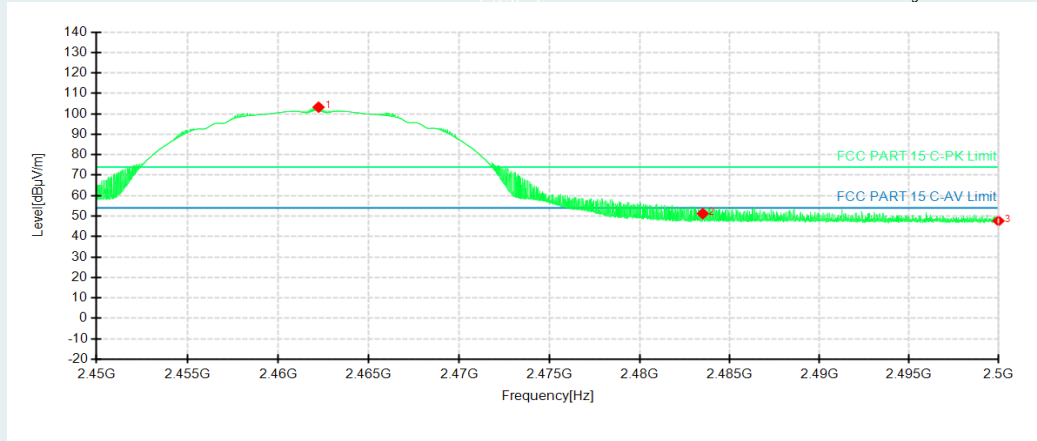
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



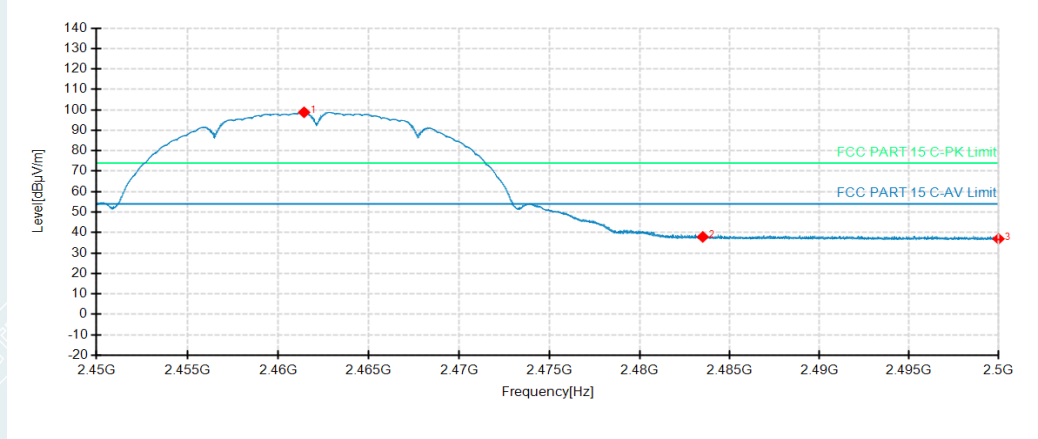
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2462.0438	100.11	103.64	3.53	74.00	-29.64	200	12	Horizontal	N/A
2	2483.5000	44.71	48.27	3.56	74.00	25.73	200	20	Horizontal	/
3	2500.0000	43.92	47.50	3.58	74.00	26.50	100	21	Horizontal	/
1	2462.2250	99.72	103.25	3.53	74.00	-29.25	100	360	Vertical	N/A
2	2483.5000	47.63	51.19	3.56	74.00	22.81	200	144	Vertical	/
3	2500.0000	44.04	47.62	3.58	74.00	26.38	100	359	Vertical	/

802.11b mode**Highest Channel**

Channel 2462MHz

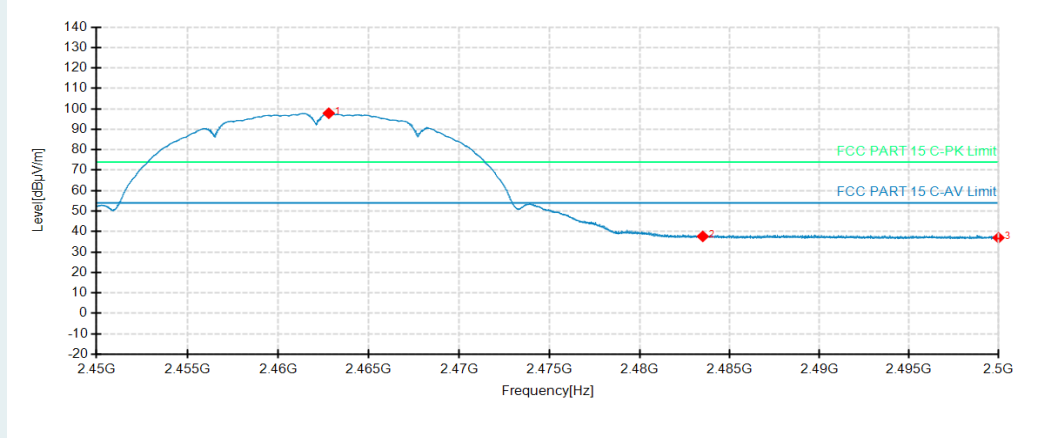
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



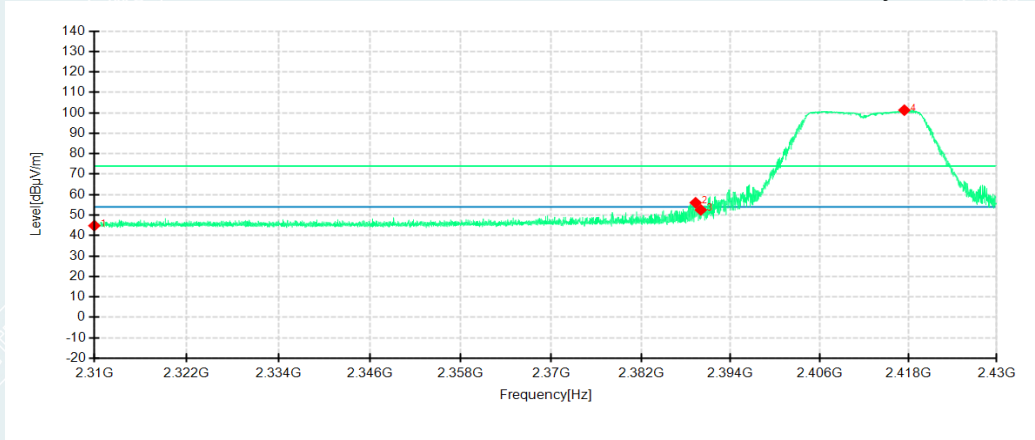
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2461.4250	95.26	98.79	3.53	54.00	-44.79	200	16	Horizontal	N/A
2	2483.5000	34.28	37.84	3.56	54.00	16.16	200	42	Horizontal	/
3	2500.0000	33.31	36.89	3.58	54.00	17.11	200	9	Horizontal	/
1	2462.7875	94.31	97.84	3.53	54.00	-43.84	200	11	Vertical	N/A
2	2483.5000	34.05	37.61	3.56	54.00	16.39	100	359	Vertical	/
3	2500.0000	33.36	36.94	3.58	54.00	17.06	100	22	Vertical	/

802.11g mode**Lowest Channel**

Channel 2412MHz

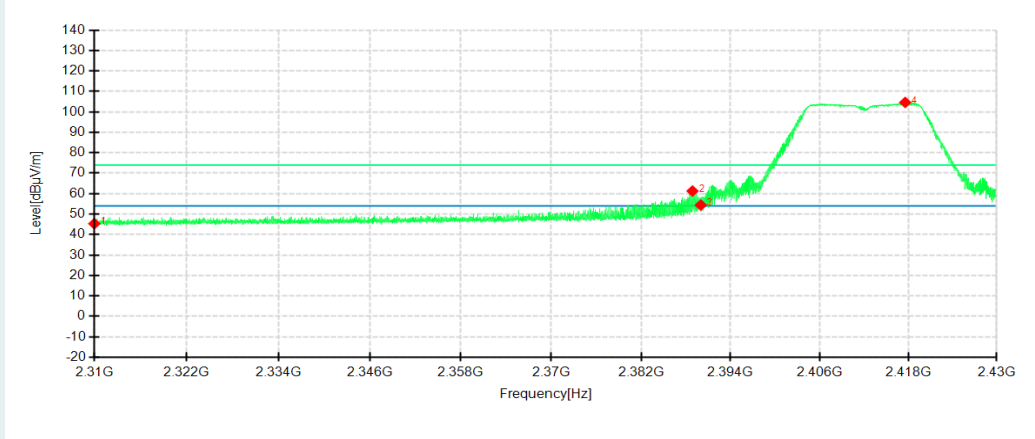
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



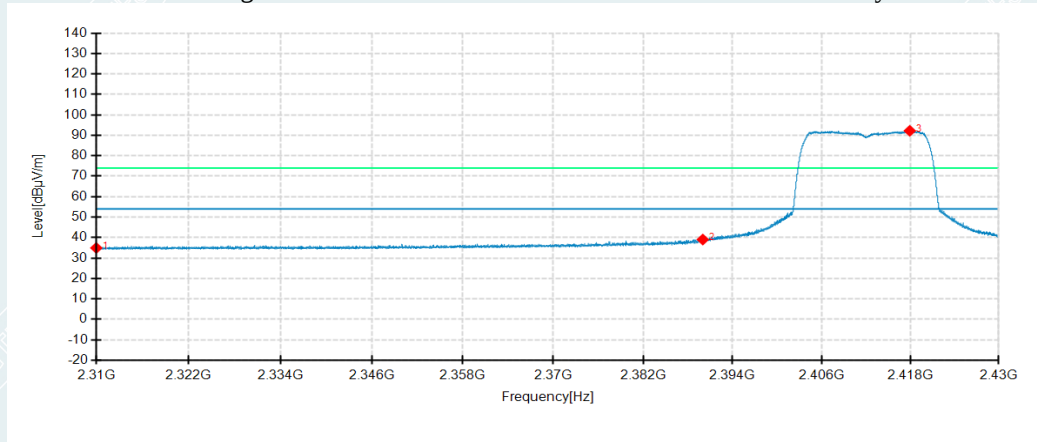
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	41.33	44.81	3.48	74.00	29.19	150	360	Horizontal	/
2	2389.3050	52.25	56.05	3.80	74.00	17.95	150	360	Horizontal	/
3	2390.0000	48.70	52.51	3.81	74.00	21.49	150	0	Horizontal	/
4	2417.4600	97.24	101.31	4.07	74.00	-27.31	150	0	Horizontal	N/A
1	2310.0000	41.83	45.31	3.48	74.00	28.69	150	0	Vertical	/
2	2388.8850	57.48	61.27	3.79	74.00	12.73	150	360	Vertical	/
3	2390.0000	50.60	54.41	3.81	74.00	19.59	150	360	Vertical	/
4	2417.5800	100.52	104.59	4.07	74.00	-30.59	150	360	Vertical	N/A

802.11g mode**Lowest Channel**

Channel 2412MHz

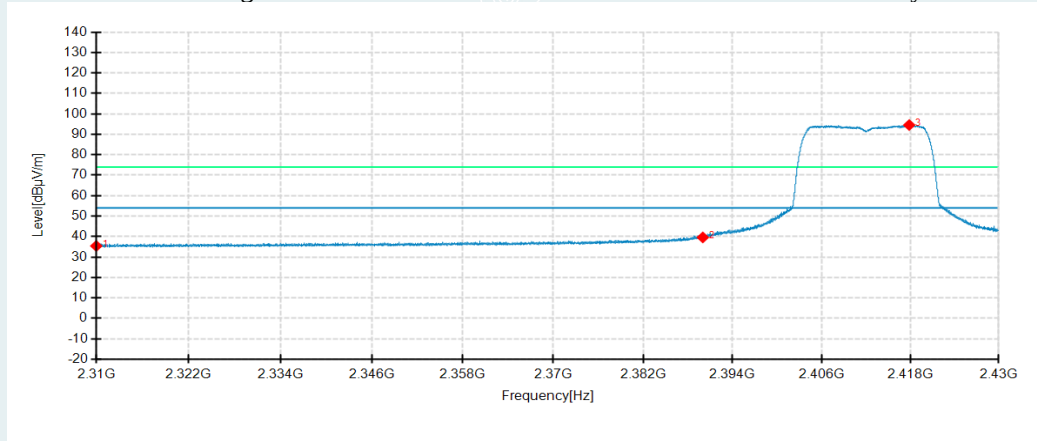
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



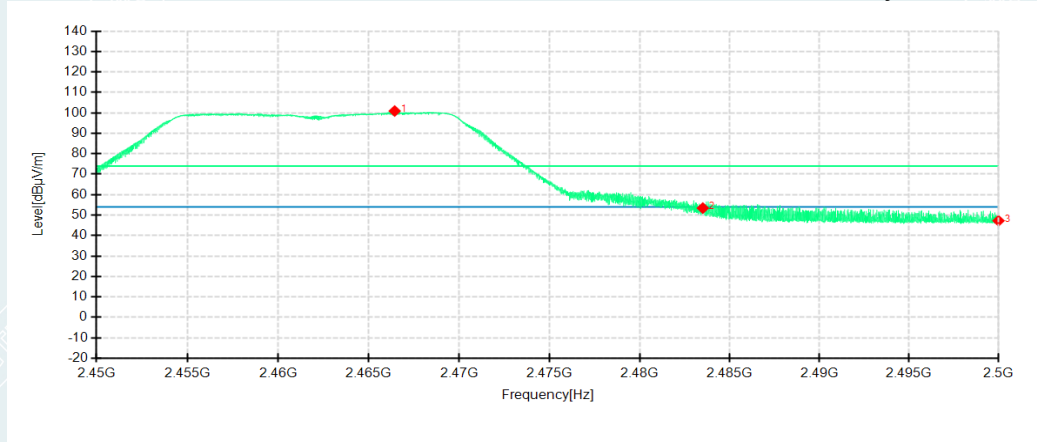
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.41	34.89	3.48	54.00	19.11	200	0	Horizontal	/
2	2390.0000	35.21	39.02	3.81	54.00	14.98	200	0	Horizontal	/
3	2417.9250	88.11	92.18	4.07	54.00	-38.18	200	0	Horizontal	N/A
1	2310.0000	31.90	35.38	3.48	54.00	18.62	100	360	Vertical	/
2	2390.0000	35.76	39.57	3.81	54.00	14.43	100	360	Vertical	/
3	2417.8500	90.46	94.53	4.07	54.00	-40.53	100	0	Vertical	N/A

802.11g mode**Highest Channel**

Channel 2462MHz

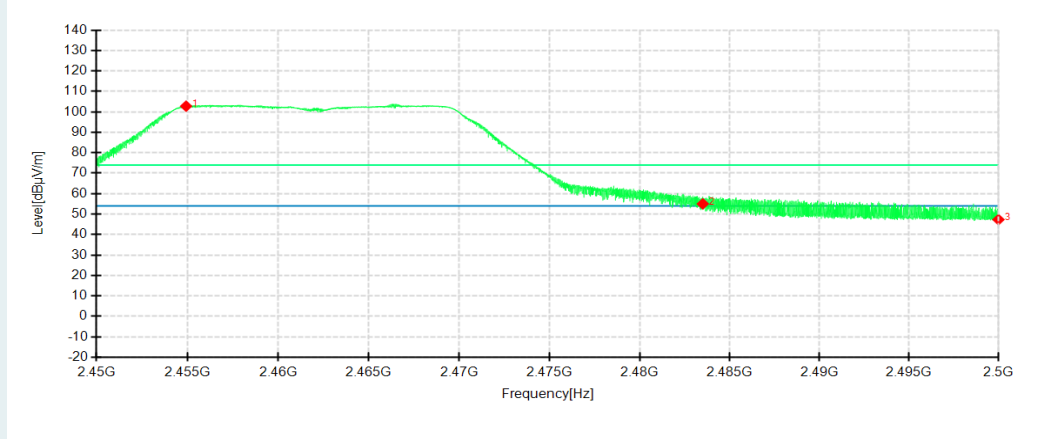
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



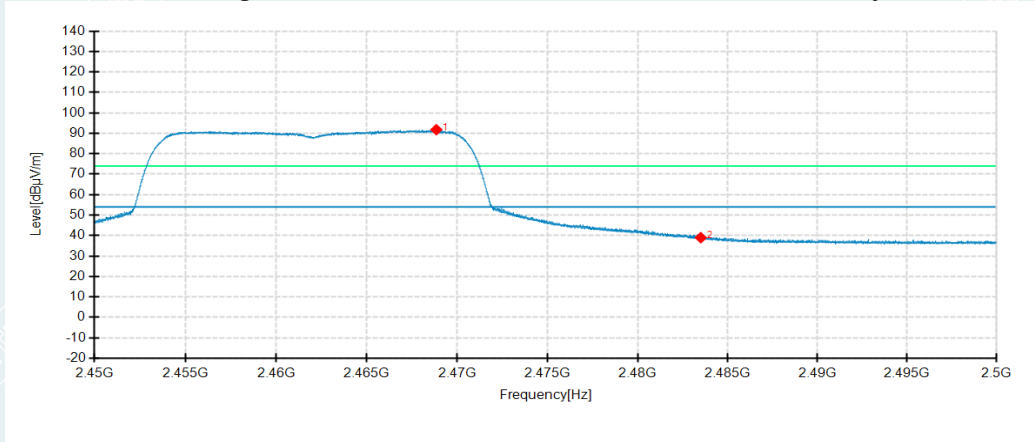
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2466.4250	96.60	100.88	4.28	74.00	-26.88	100	360	Horizontal	N/A
2	2483.5000	49.08	53.41	4.33	74.00	20.59	200	360	Horizontal	/
3	2500.0000	42.84	47.22	4.38	74.00	26.78	100	360	Horizontal	/
1	2454.9313	98.54	102.78	4.24	74.00	-28.78	200	360	Vertical	N/A
2	2483.5000	50.67	55.00	4.33	74.00	19.00	100	0	Vertical	/
3	2500.0000	42.92	47.30	4.38	74.00	26.70	200	0	Vertical	/

802.11g mode**Highest Channel**

Channel 2462MHz

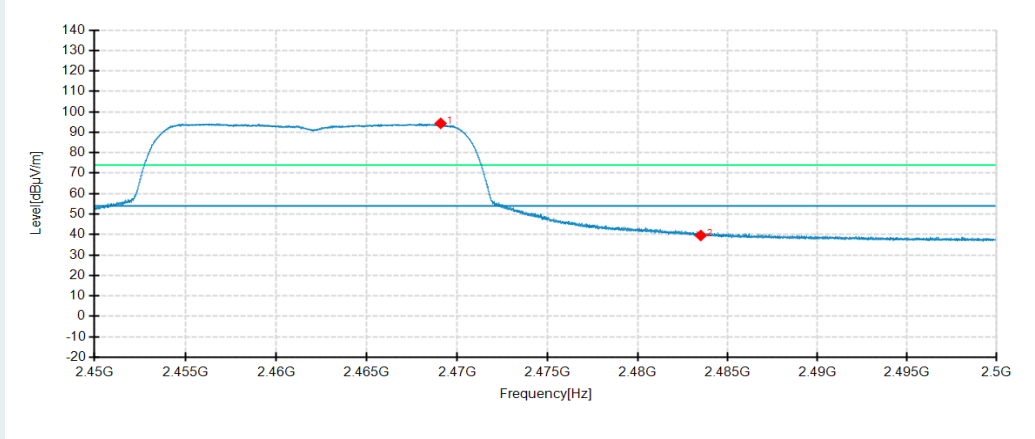
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



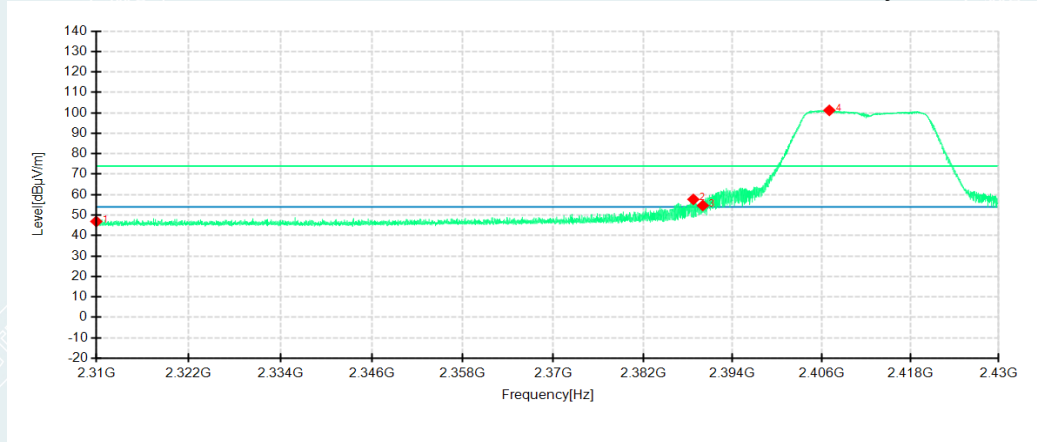
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2468.8375	87.47	91.76	4.29	54.00	-37.76	100	360	Horizontal	N/A
2	2483.5000	34.62	38.95	4.33	54.00	15.05	100	360	Horizontal	/
1	2469.0750	90.07	94.36	4.29	54.00	-40.36	100	0	Vertical	N/A
2	2483.5000	35.20	39.53	4.33	54.00	14.47	100	360	Vertical	/

802.11n HT20 mode**Lowest Channel**

Channel 2412MHz

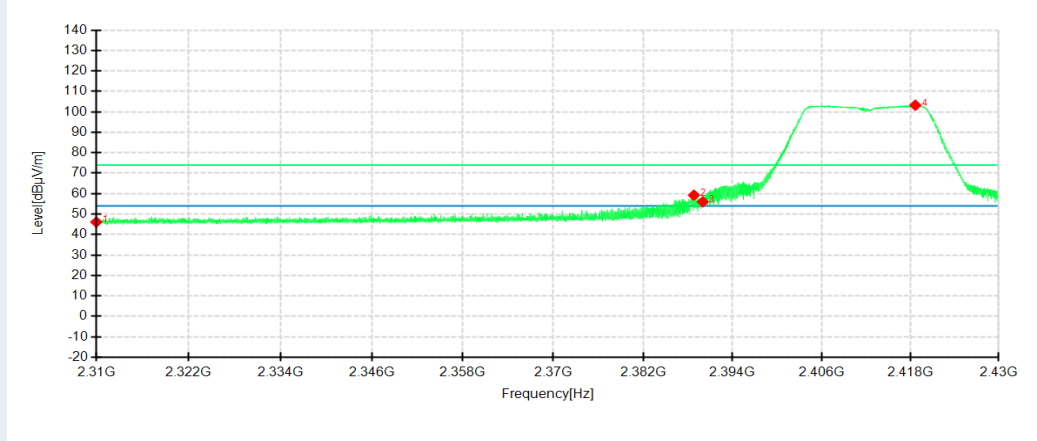
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



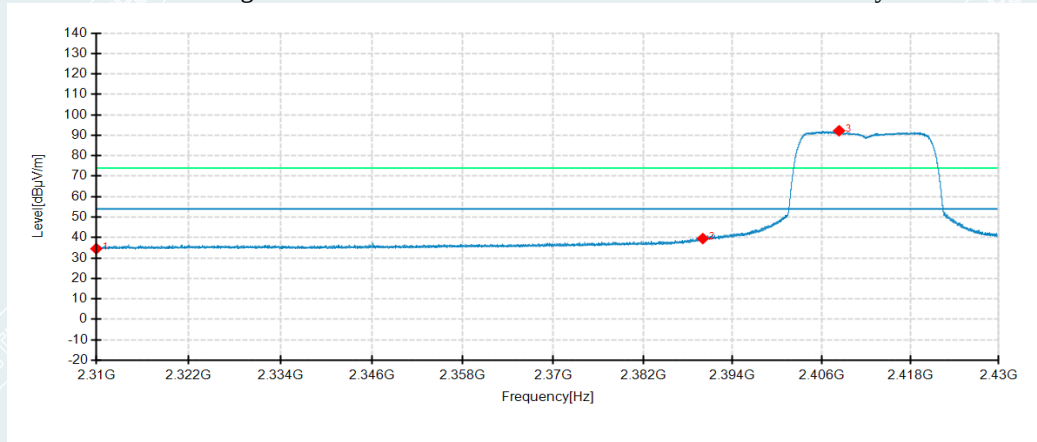
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	43.38	46.86	3.48	74.00	27.14	200	360	Horizontal	/
2	2388.7350	53.89	57.68	3.79	74.00	16.32	100	360	Horizontal	/
3	2390.0000	50.87	54.68	3.81	74.00	19.32	200	360	Horizontal	/
4	2407.0350	97.19	101.21	4.02	74.00	-27.21	100	360	Horizontal	N/A
1	2310.0000	42.62	46.10	3.48	74.00	27.90	200	0	Vertical	/
2	2388.8100	55.45	59.24	3.79	74.00	14.76	100	360	Vertical	/
3	2390.0000	52.19	56.00	3.81	74.00	18.00	200	0	Vertical	/
4	2418.6900	99.17	103.24	4.07	74.00	-29.24	200	0	Vertical	N/A

802.11n HT20 mode**Lowest Channel**

Channel 2412MHz

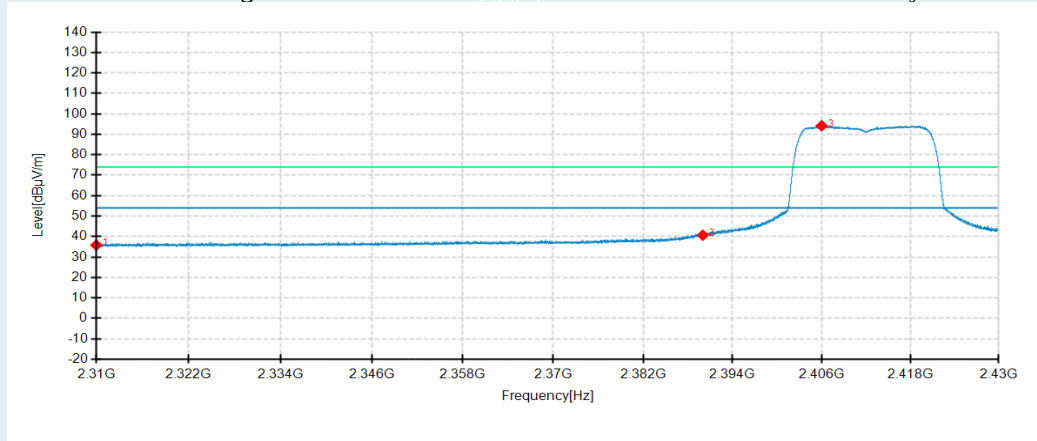
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



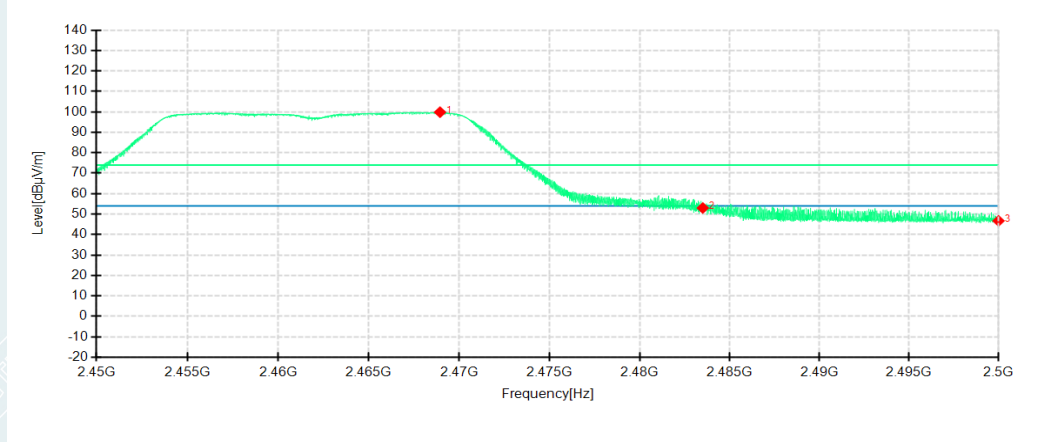
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.05	34.53	3.48	54.00	19.47	200	0	Horizontal	/
2	2390.0000	35.68	39.49	3.81	54.00	14.51	100	0	Horizontal	/
3	2408.3550	88.20	92.22	4.02	54.00	-38.22	100	0	Horizontal	N/A
1	2310.0000	32.32	35.80	3.48	54.00	18.20	200	360	Vertical	/
2	2390.0000	36.82	40.63	3.81	54.00	13.37	200	360	Vertical	/
3	2406.0000	90.15	94.16	4.01	54.00	-40.16	200	0	Vertical	N/A

802.11n HT20 mode**Highest Channel**

Channel 2462MHz

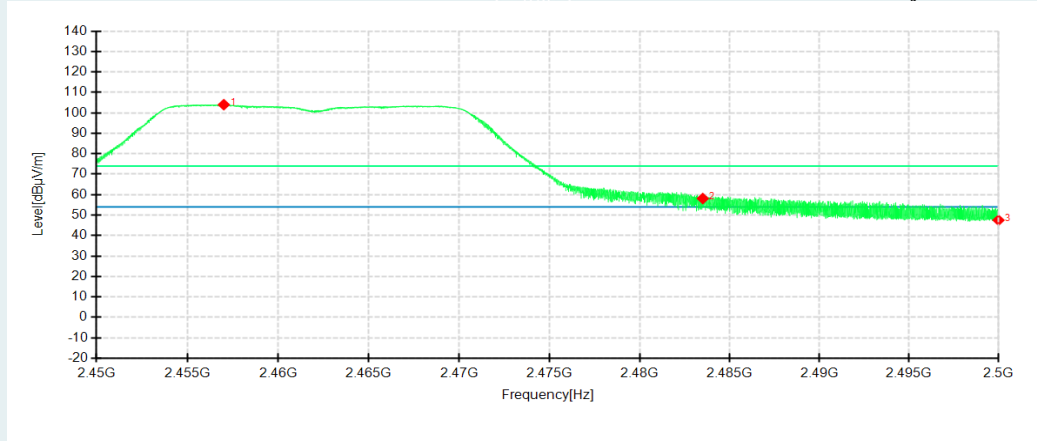
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



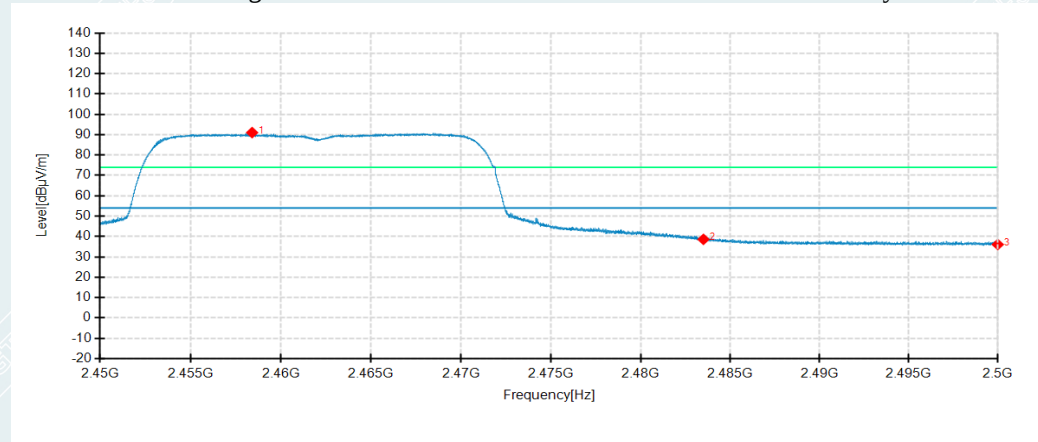
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2468.9313	95.54	99.83	4.29	74.00	-25.83	100	0	Horizontal	N/A
2	2483.5000	48.65	52.98	4.33	74.00	21.02	100	90	Horizontal	/
3	2500.0000	42.30	46.68	4.38	74.00	27.32	100	180	Horizontal	/
1	2457.0063	99.75	104.00	4.25	74.00	-30.00	200	360	Vertical	N/A
2	2483.5000	53.77	58.10	4.33	74.00	15.90	200	360	Vertical	/
3	2500.0000	43.13	47.51	4.38	74.00	26.49	200	0	Vertical	/

802.11n HT20 mode**Highest Channel**

Channel 2462MHz

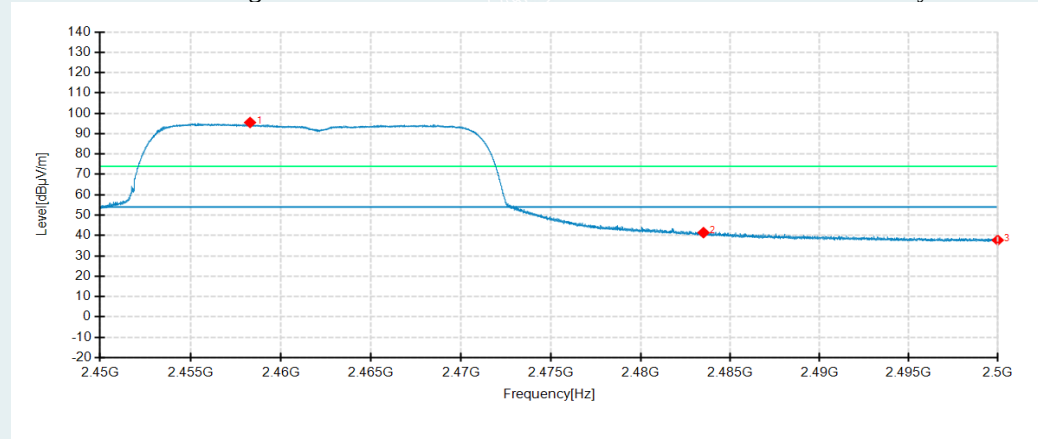
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



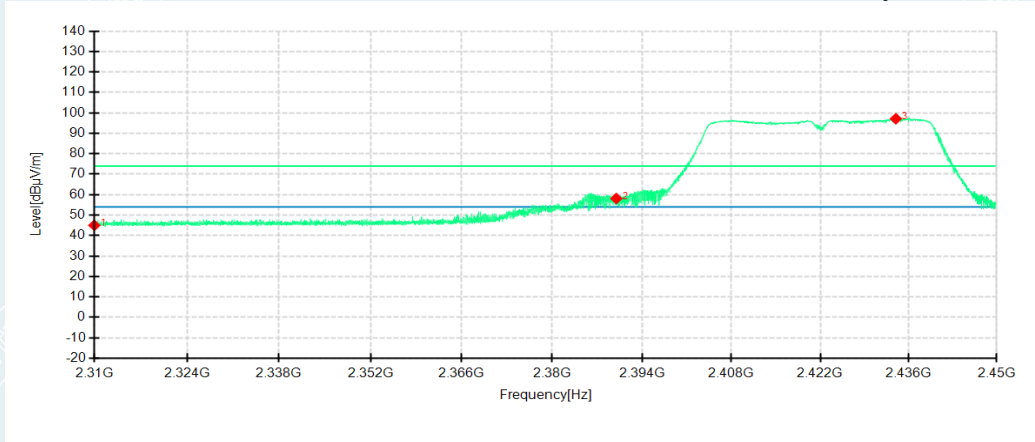
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2458.4063	86.77	91.03	4.26	54.00	-37.03	100	360	Horizontal	N/A
2	2483.5000	34.26	38.59	4.33	54.00	15.41	100	0	Horizontal	/
3	2500.0000	31.67	36.05	4.38	54.00	17.95	100	360	Horizontal	/
1	2458.2938	91.25	95.50	4.25	54.00	-41.50	200	360	Vertical	N/A
2	2483.5000	37.06	41.39	4.33	54.00	12.61	200	360	Vertical	/
3	2500.0000	33.30	37.68	4.38	54.00	16.32	200	360	Vertical	/

802.11n HT40 mode**Lowest Channel**

Channel 2422MHz

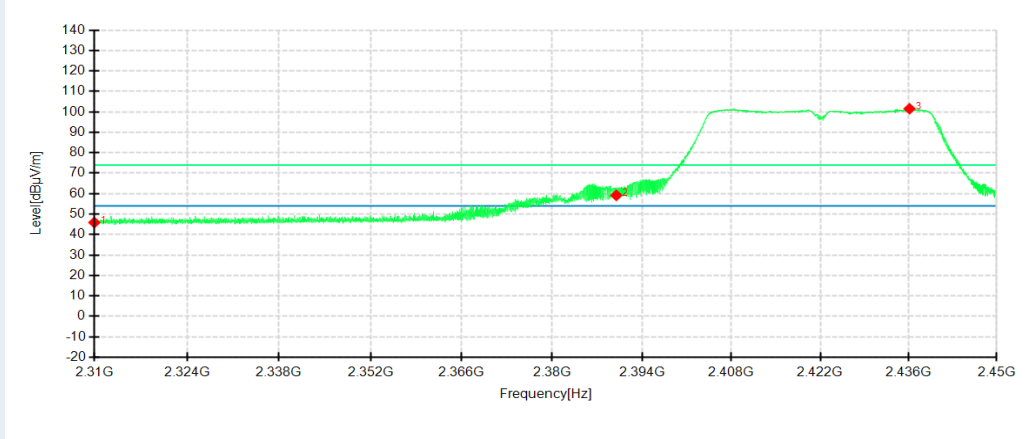
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



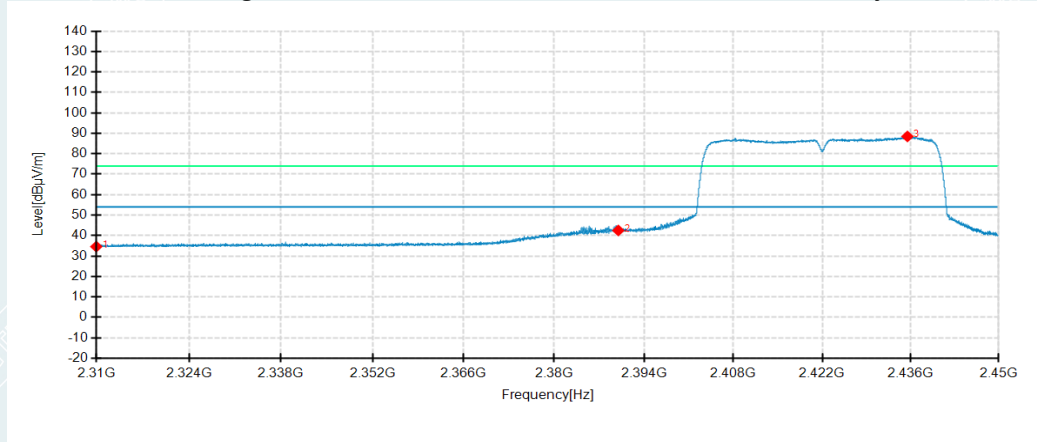
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	41.51	44.99	3.48	74.00	29.01	100	0	Horizontal	/
2	2390.0000	54.31	58.12	3.81	74.00	15.88	200	0	Horizontal	/
3	2433.9700	92.97	97.12	4.15	74.00	-23.12	100	0	Horizontal	N/A
1	2310.0000	42.40	45.88	3.48	74.00	28.12	200	0	Vertical	/
2	2390.0000	55.34	59.15	3.81	74.00	14.85	200	0	Vertical	/
3	2436.1400	97.34	101.50	4.16	74.00	-27.50	200	360	Vertical	N/A

802.11n HT40 mode**Lowest Channel**

Channel 2422MHz

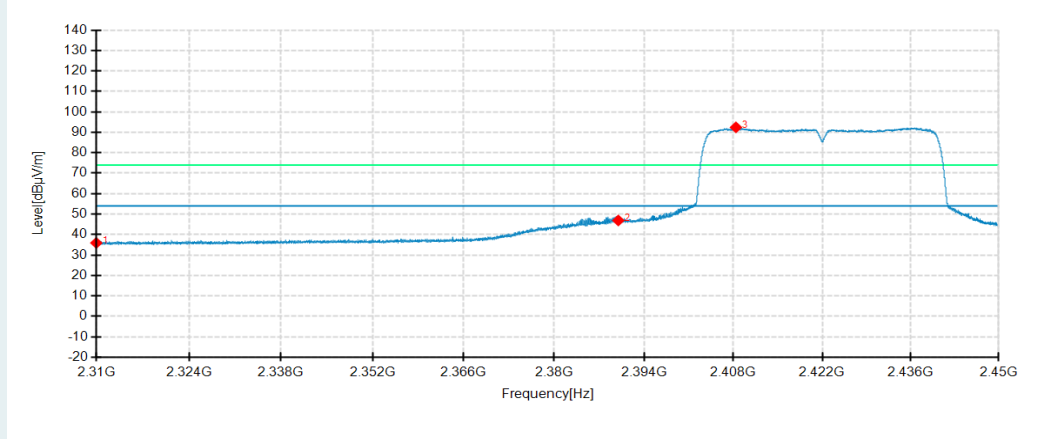
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



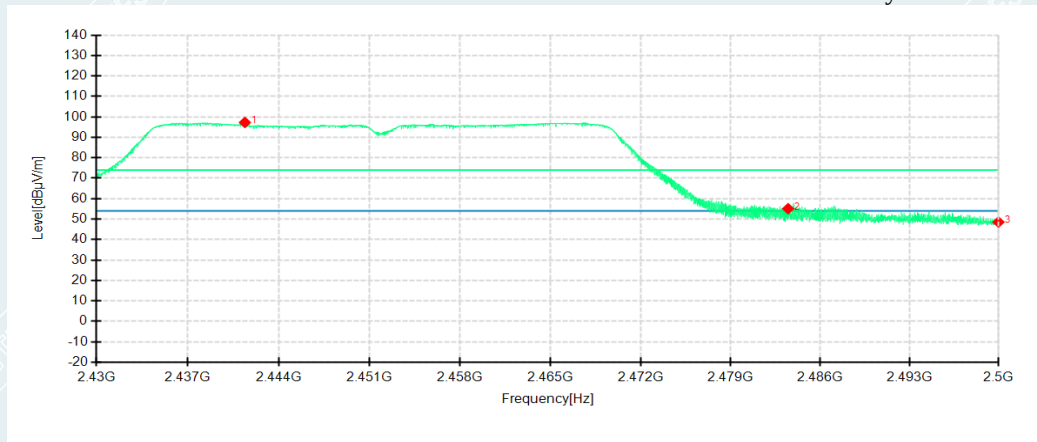
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310.0000	31.09	34.57	3.48	54.00	19.43	100	90	Horizontal	/
2	2390.0000	38.66	42.47	3.81	54.00	11.53	200	360	Horizontal	/
3	2435.4925	84.30	88.46	4.16	54.00	-34.46	100	360	Horizontal	N/A
1	2310.0000	32.40	35.88	3.48	54.00	18.12	200	0	Vertical	/
2	2390.0000	43.07	46.88	3.81	54.00	7.12	200	0	Vertical	/
3	2408.4025	88.39	92.41	4.02	54.00	-38.41	100	0	Vertical	N/A

802.11n HT40 mode**Highest Channel**

Channel 2452MHz

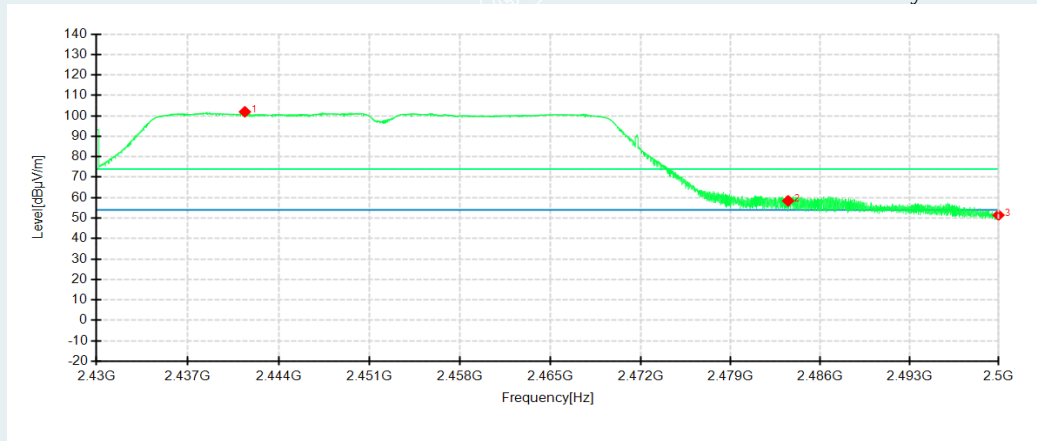
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



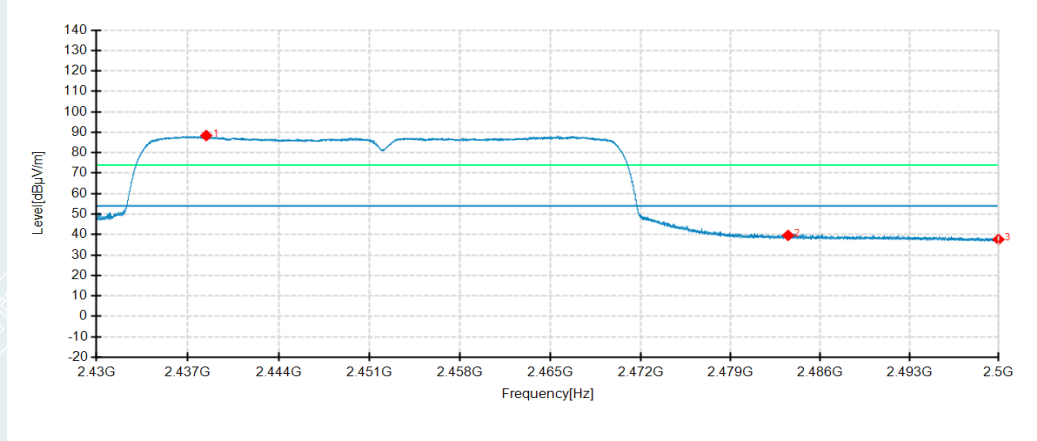
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2441.3925	93.06	97.25	4.19	74.00	-23.25	100	360	Horizontal	N/A
2	2483.5000	50.76	55.09	4.33	74.00	18.91	100	0	Horizontal	/
3	2500.0000	44.15	48.53	4.38	74.00	25.47	100	360	Horizontal	/
1	2441.3925	97.79	101.98	4.19	74.00	-27.98	200	360	Vertical	N/A
2	2483.5000	54.11	58.44	4.33	74.00	15.56	100	360	Vertical	/
3	2500.0000	47.05	51.43	4.38	74.00	22.57	200	0	Vertical	/

802.11n HT40 mode**Highest Channel**

Channel 2452MHz

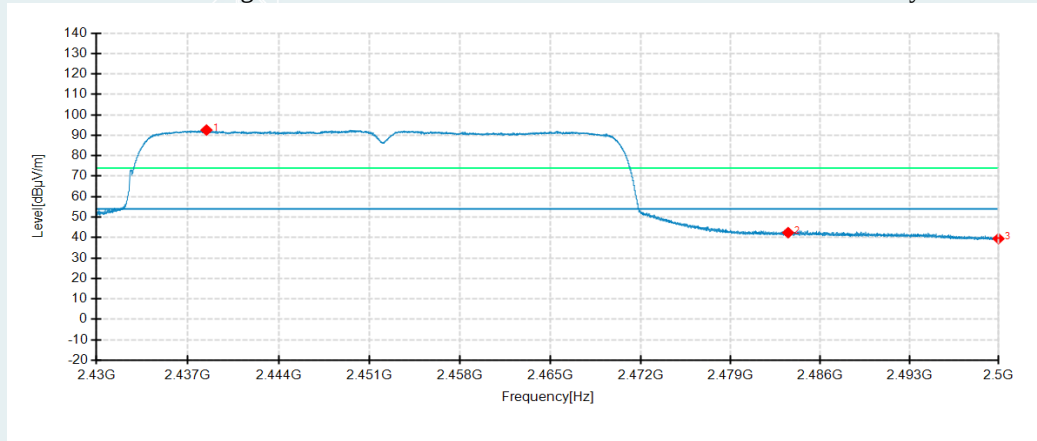
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2438.4263	84.20	88.37	4.17	54.00	-34.37	100	360	Horizontal	N/A
2	2483.5000	35.24	39.57	4.33	54.00	14.43	100	0	Horizontal	/
3	2500.0000	33.19	37.57	4.38	54.00	16.43	200	360	Horizontal	/
1	2438.4438	88.38	92.55	4.17	54.00	-38.55	200	0	Vertical	N/A
2	2483.5000	38.06	42.39	4.33	54.00	11.61	200	0	Vertical	/
3	2500.0000	35.06	39.44	4.38	54.00	14.56	200	360	Vertical	/

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