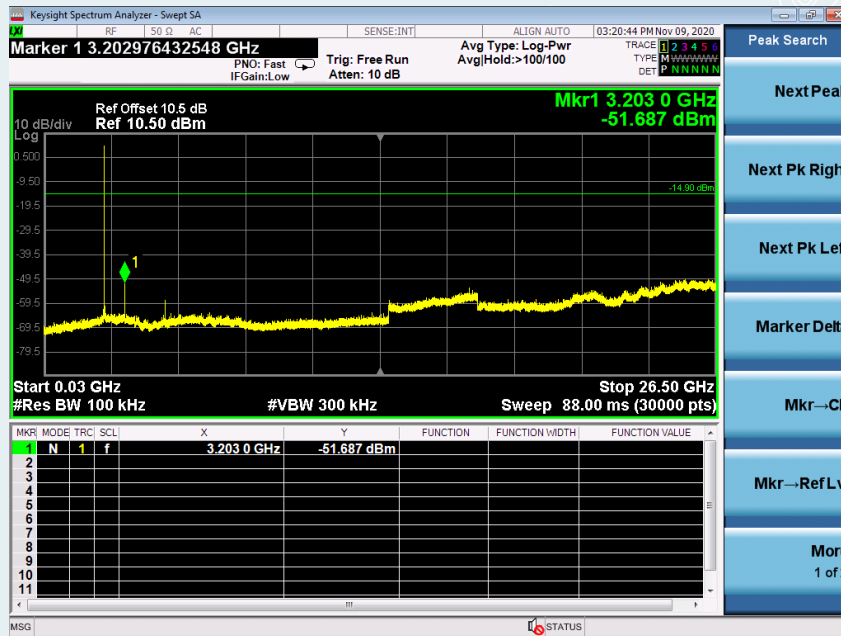


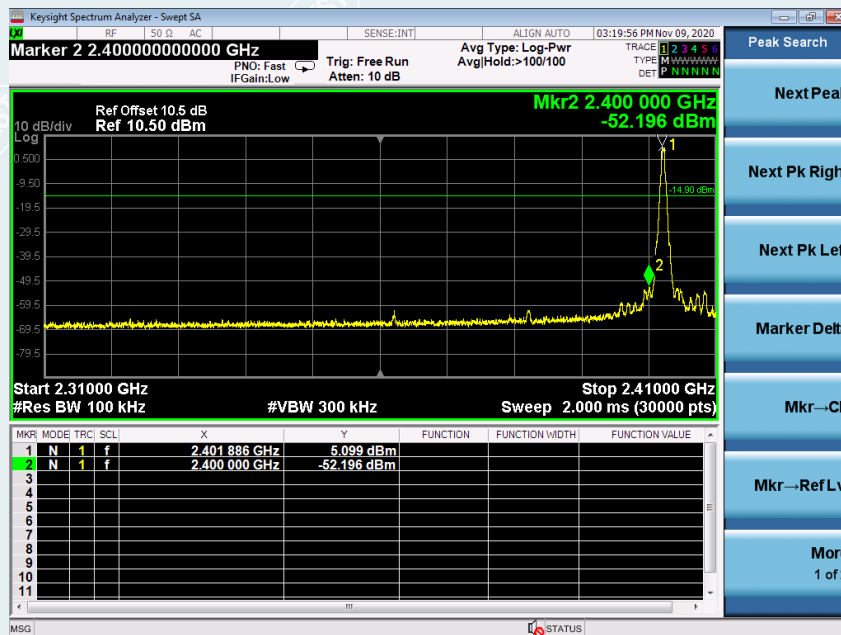
Hopping Off

DH5

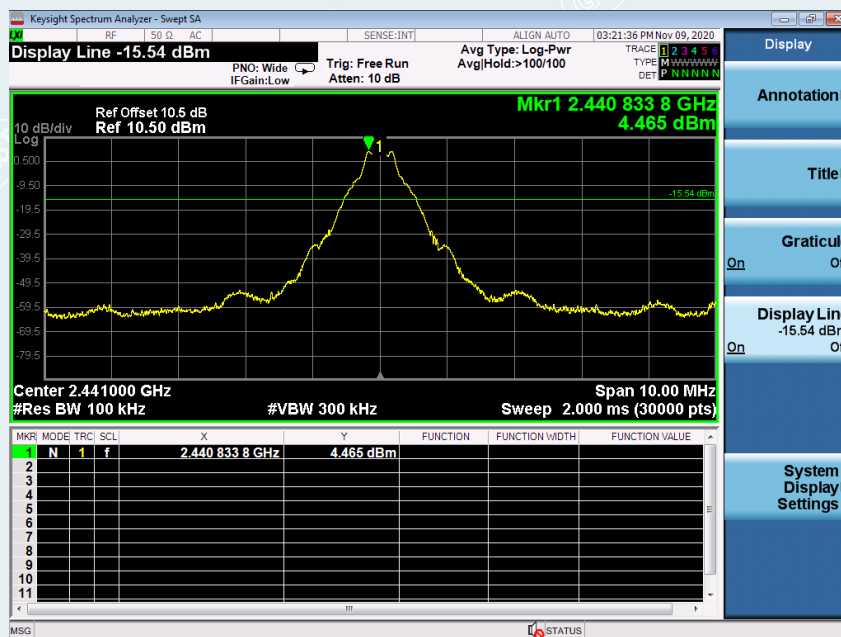
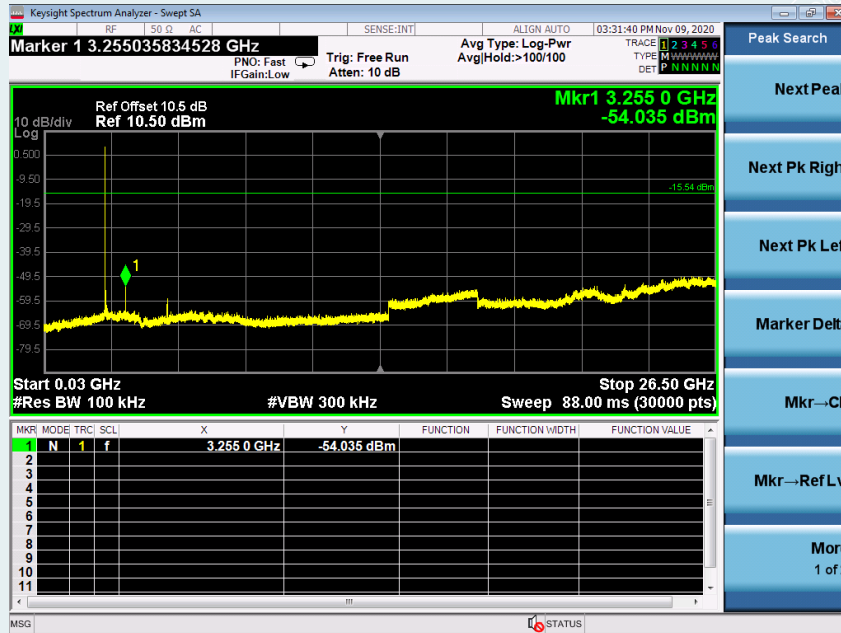
CH Low (30MHz ~26.5GHz)



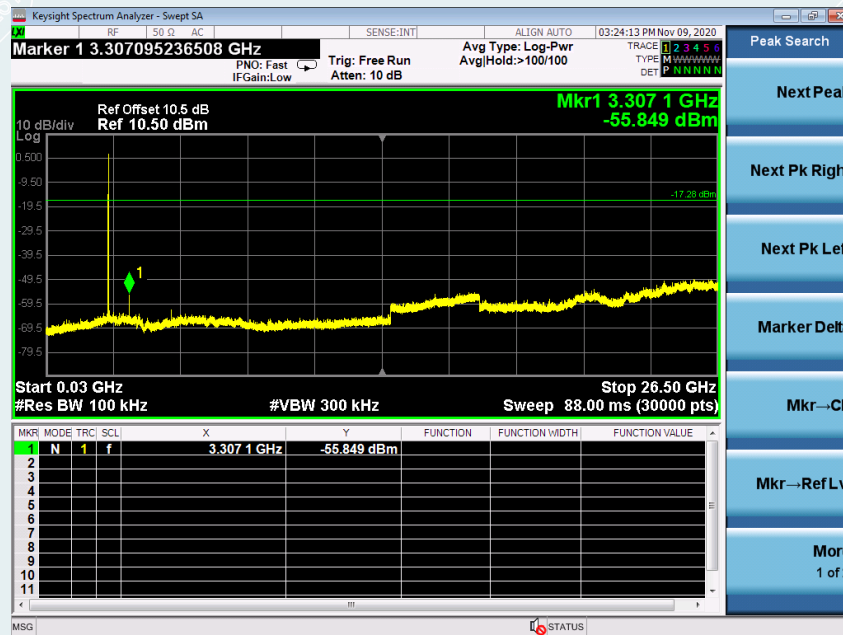
CH Low (2.31GHz ~2.41GHz)



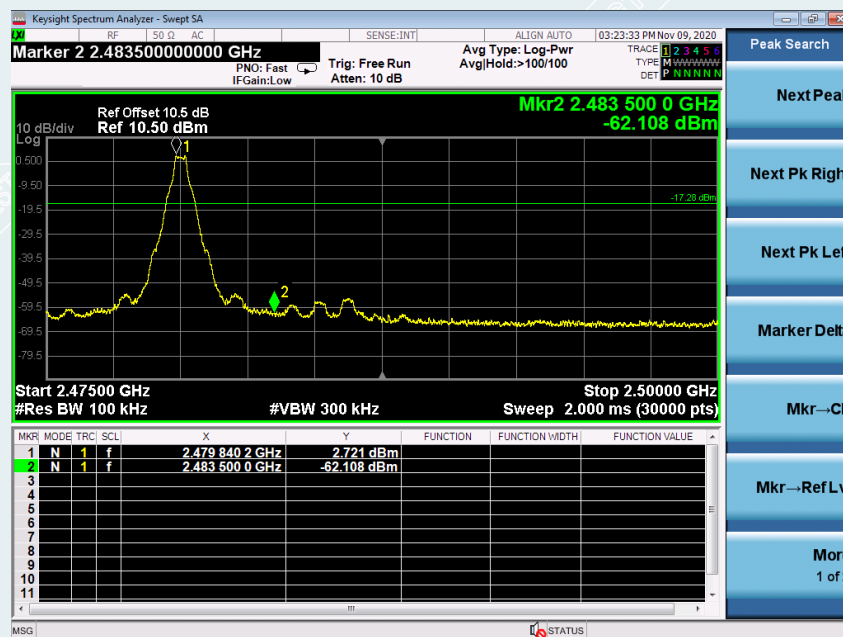
CH Mid (30MHz ~26.5GHz)

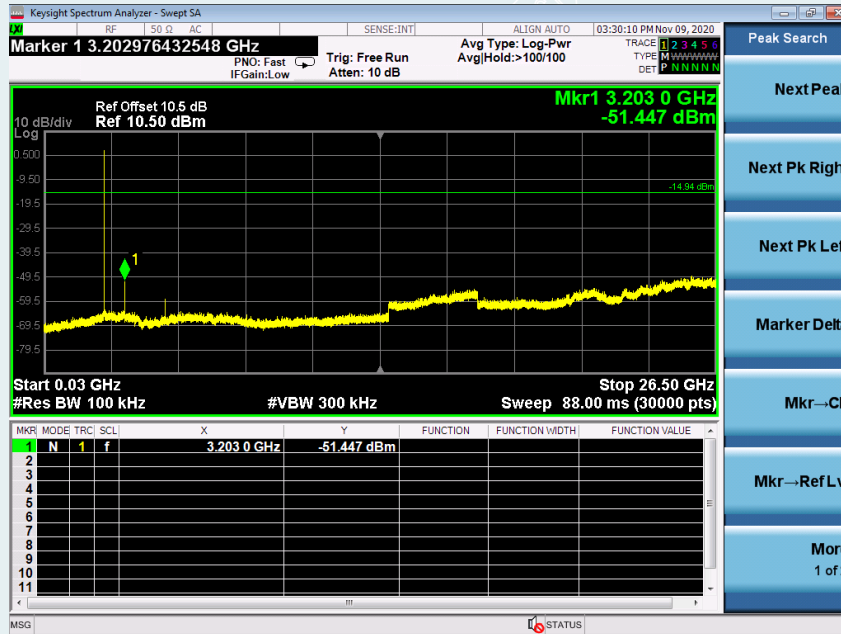
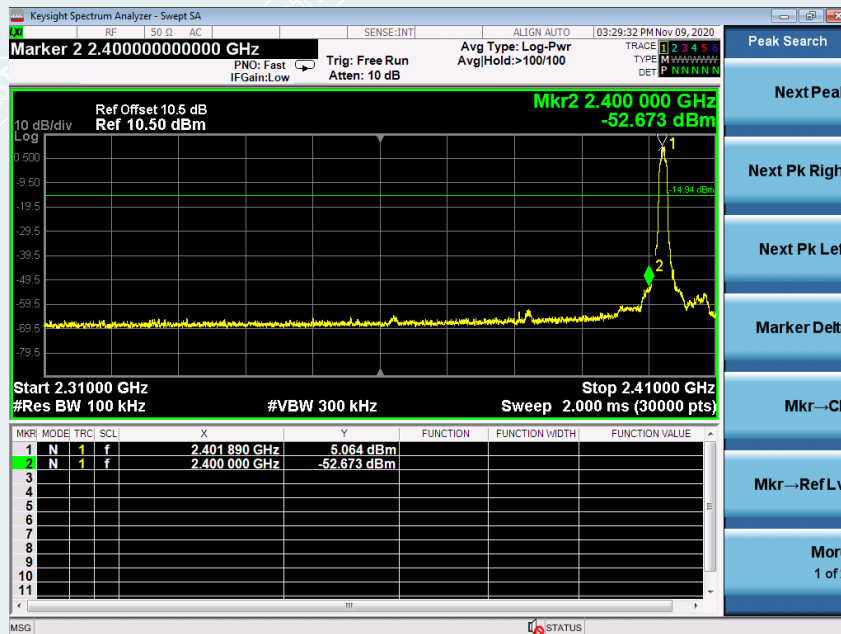


CH High (30MHz ~26.5GHz)

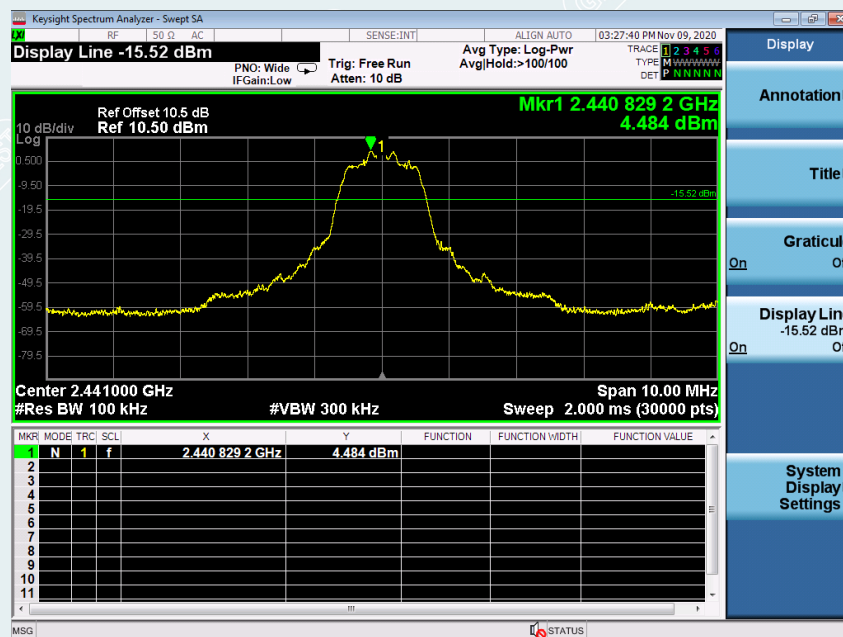
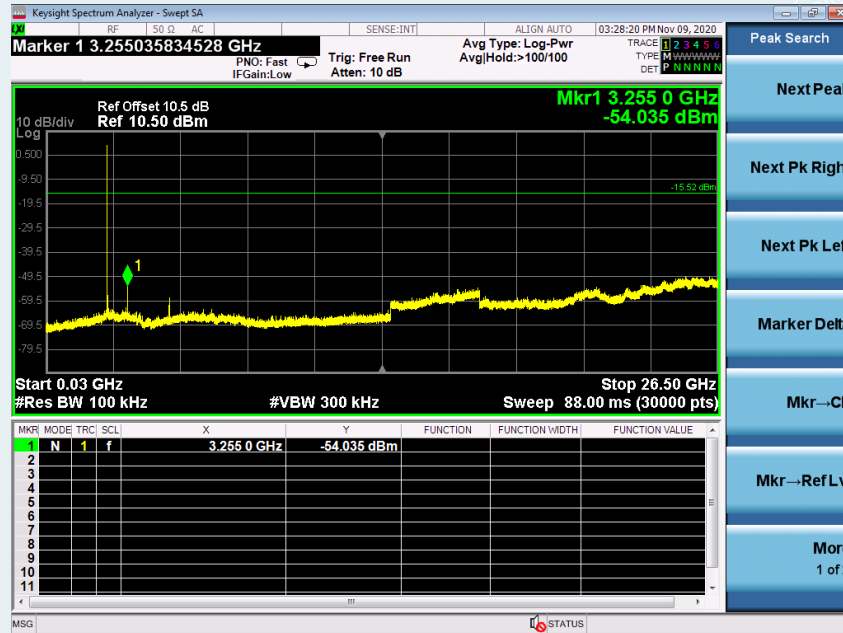


CH High (2.475GHz ~ 2.5GHz)

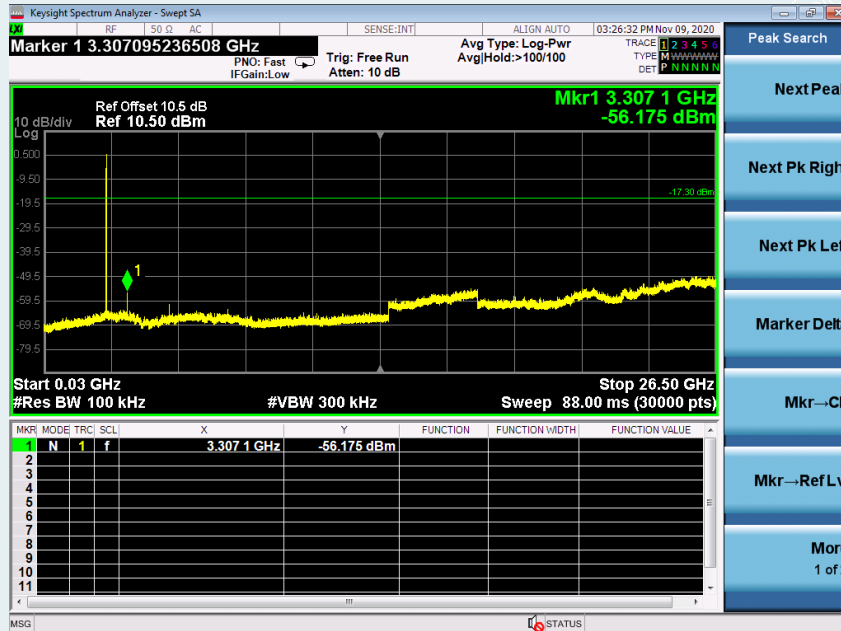


2DH5**CH Low (30MHz ~26.5GHz)****CH Low (2.31GHz ~2.41GHz)**

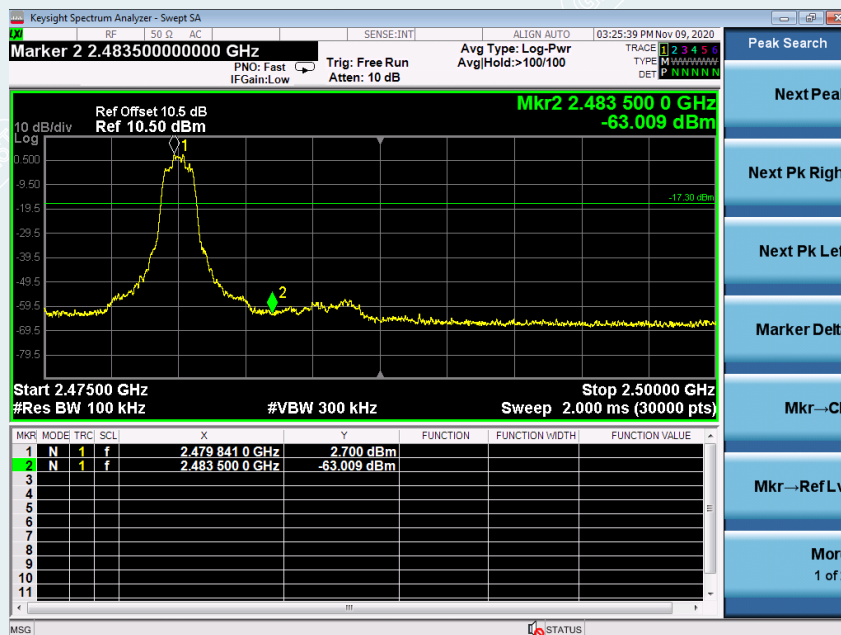
CH Mid (30MHz ~26.5GHz)

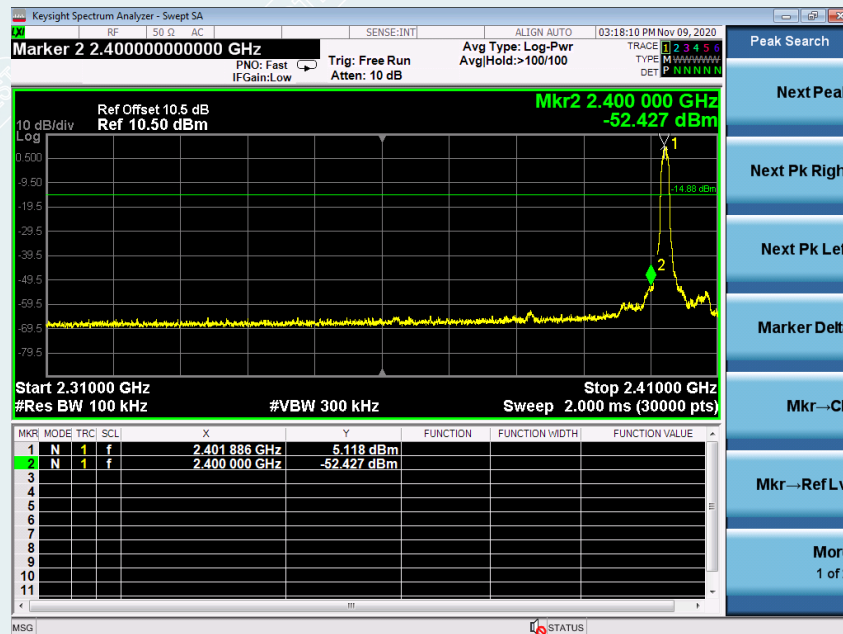


CH High (30MHz ~26.5GHz)

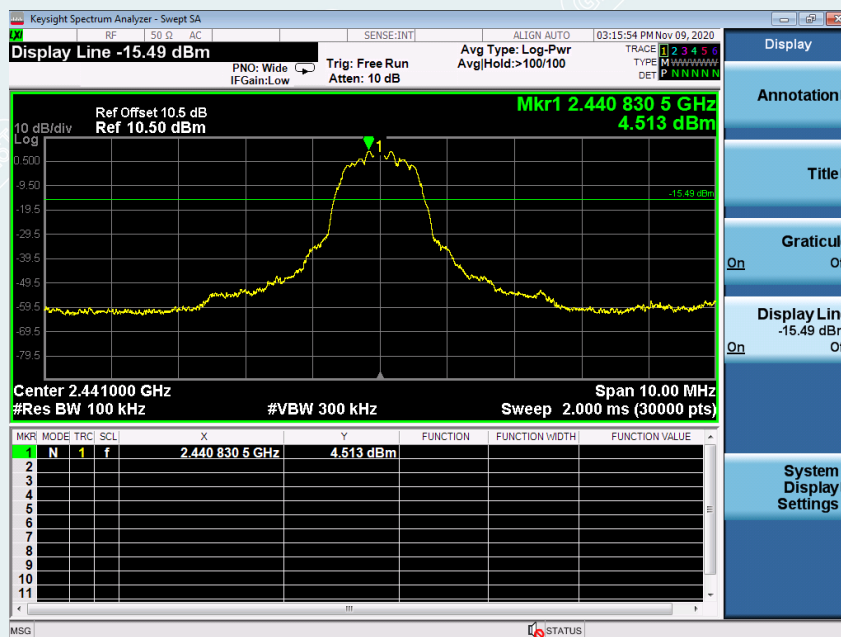
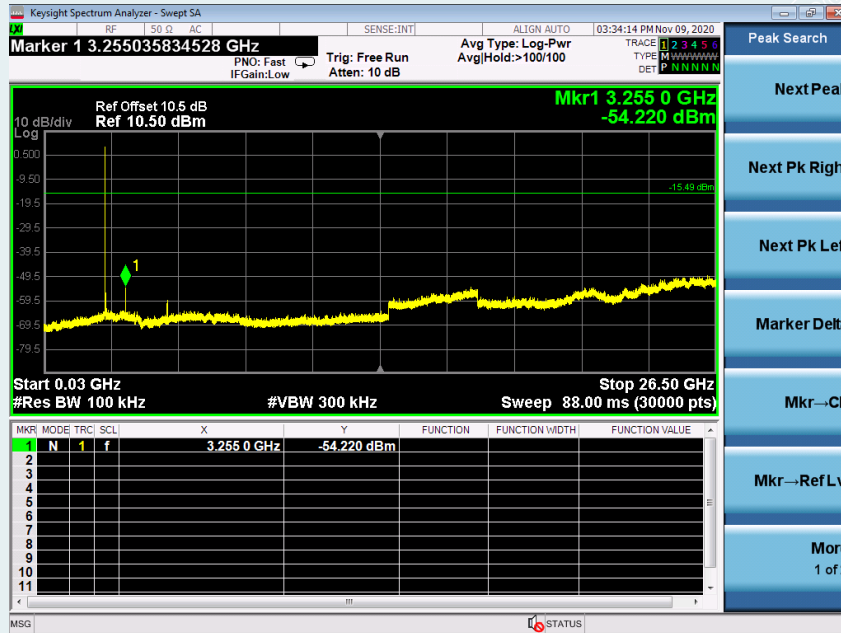


CH High (2.475GHz ~ 2.5GHz)

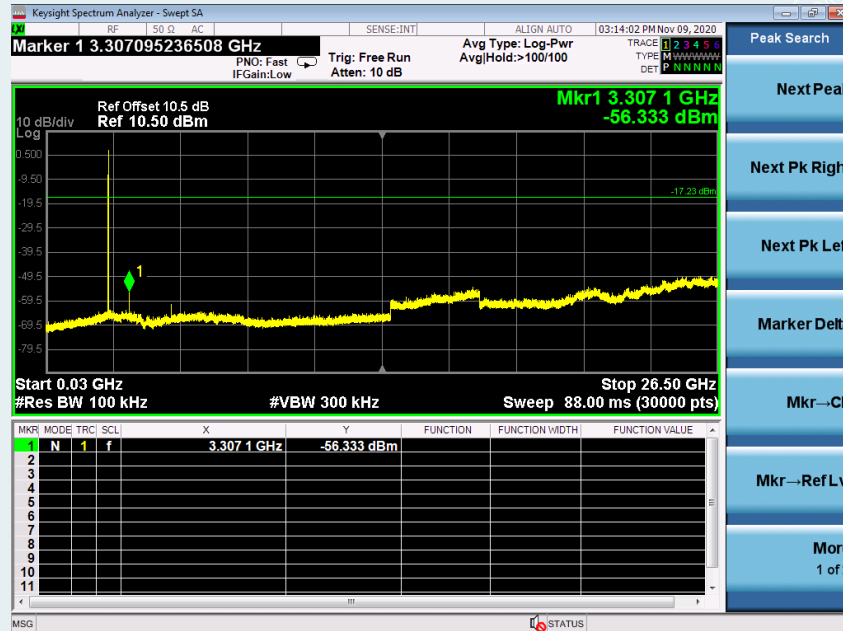


3DH5**CH Low (30MHz ~26.5GHz)****CH Low (2.31GHz ~2.41GHz)**

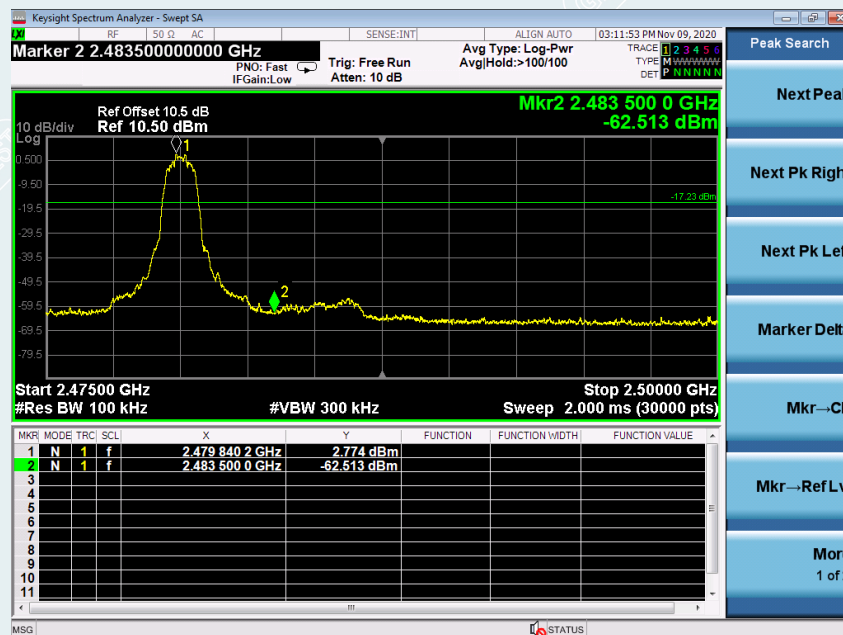
CH Mid (30MHz ~26.5GHz)



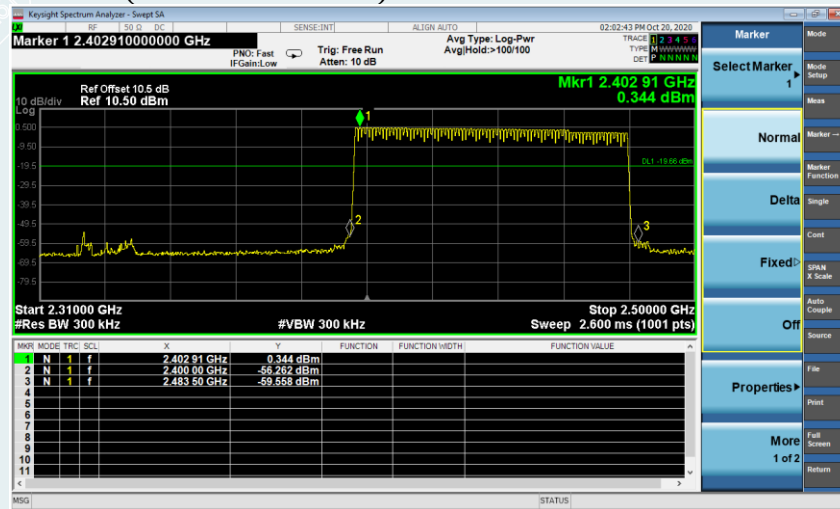
CH High (30MHz ~26.5GHz)



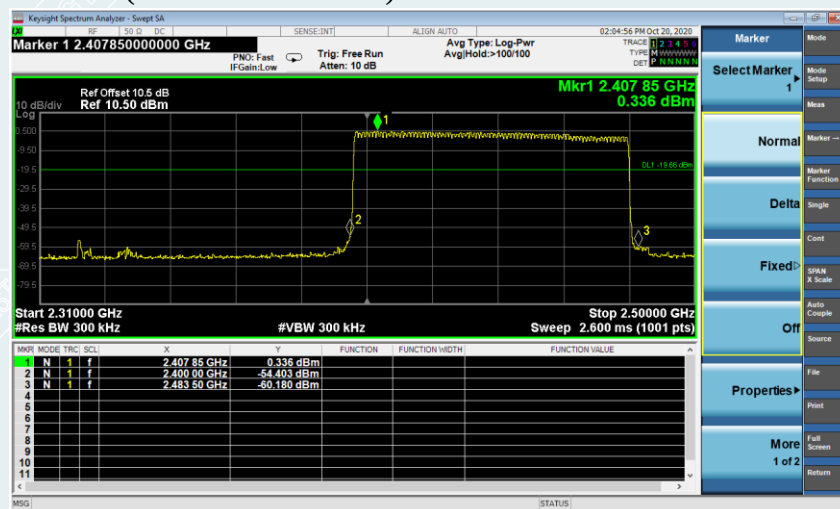
CH High (2.475GHz ~ 2.5GHz)



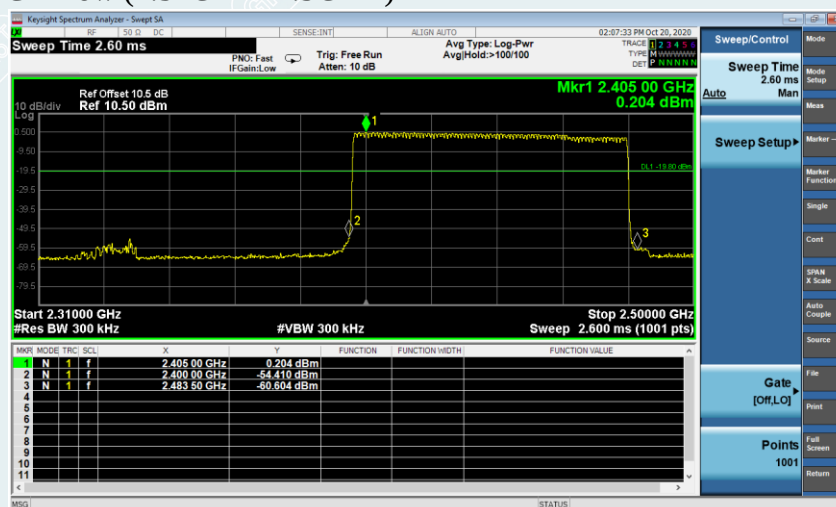
Hopping On GFSK CH Low (2.31GHz ~2.5GHz)



$\pi/4$ -DQPSK CH Low (2.31GHz ~2.5GHz)



8DPSK CH Low (2.31GHz ~2.5GHz)



5.9. RADIATED SPURIOUS EMISSIONS

5.9.1. LIMITS

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

Frequency (MHz)	Quasi-peak($\mu\text{V/m}$)	Measurement distance(m)	Quasi-peak($\text{dB}\mu\text{V/m}$)@distance 3m
0.009-0.490	2400/F(kHz)	300	53.8~88.5
0.490-1.705	24000/F(kHz)	30	43~53.8
1.705-30.0	30	30	49.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

NOTE: (1) The lower limit shall apply at the transition frequencies.

NOTE: (2) Above 18G Limit= $74+20\log(3/1)=83.54$ ($\text{dB}\mu\text{V/m}$).

5.9.2. TEST PROCEDURES

- 1) The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) Height of receiving antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 5) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6) If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported.
Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

5.9.3. TEST SETUP

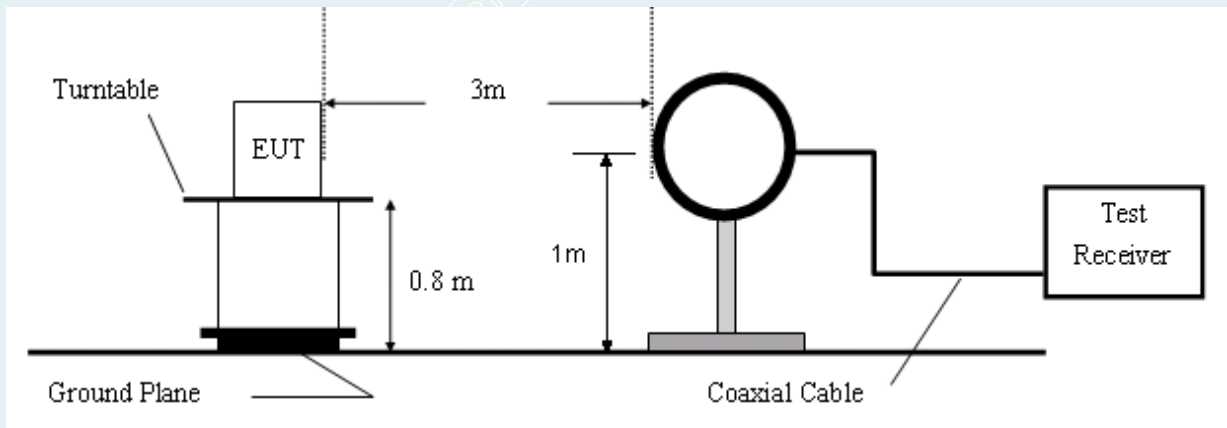


Figure 1. 9 KHz to 30MHz radiated emissions test configuration

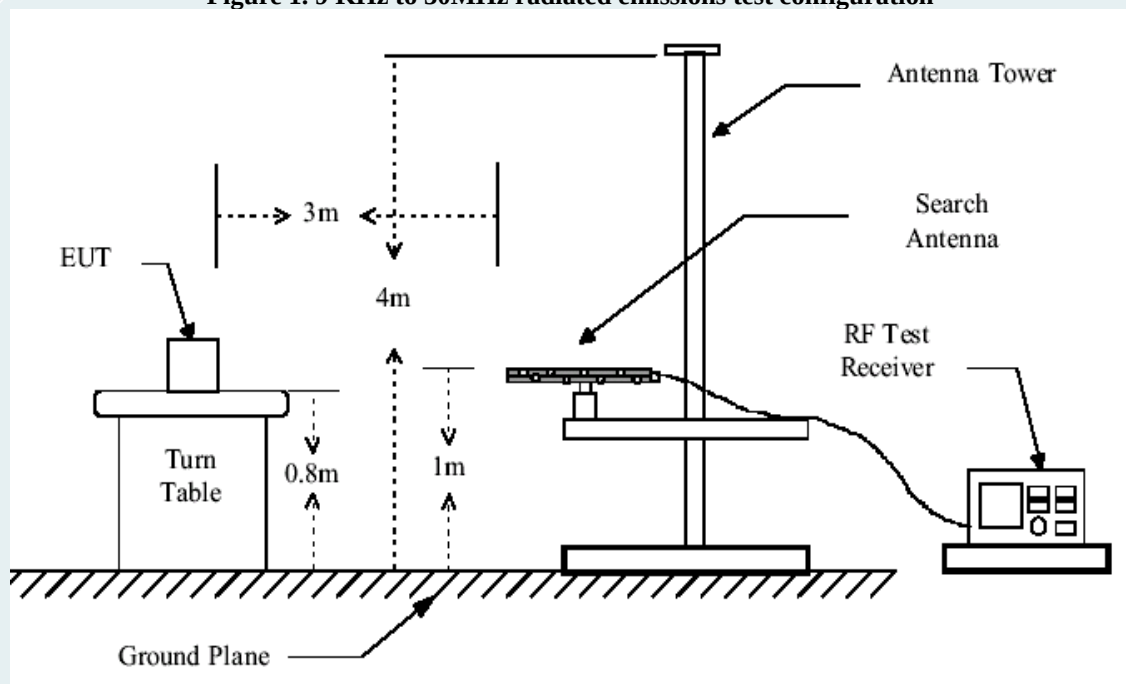


Figure 2. 30MHz to 1GHz radiated emissions test configuration

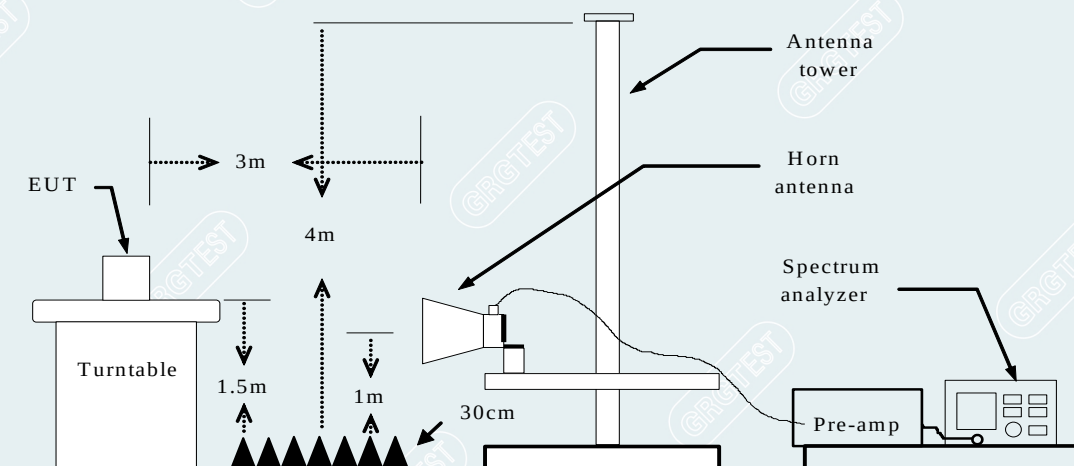


Figure 3. Above 1GHz radiated emissions test configuration

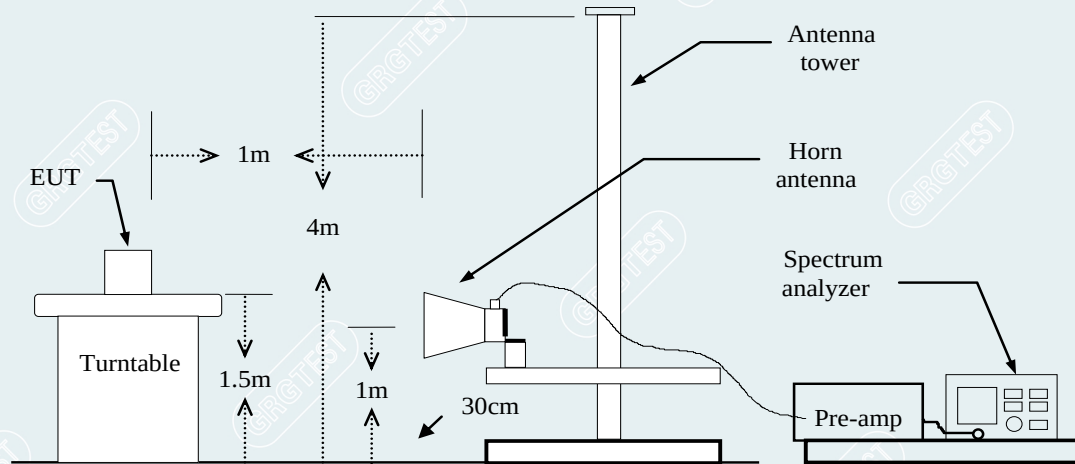


Figure 4. Above 18GHz radiated emissions test configuration

5.9.4. DATA SAMPLE

30MHz to 1GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	37.06	-15.48	21.58	40.00	-18.42	QP	Vertical

Above 1 GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	65.45	-11.12	54.33	74.00	-19.67	peak	Vertical
xxx	xxx	63.00	-11.12	51.88	54.00	-2.12	AVG	Vertical

Frequency (MHz)

= Emission frequency in MHz

Ant.Pol. (H/V)

= Antenna polarization

Reading (dBuV)

= Uncorrected Analyzer / Receiver reading

Correction Factor (dB/m)

= Antenna factor + Cable loss – Amplifier gain

Result (dBuV/m)

= Reading (dBuV) + Correction Factor (dB/m)

Limit (dBuV/m)

= Limit stated in standard

Margin (dB)

= Remark Result (dBuV/m) – Limit (dBuV/m)

Peak

= Peak Reading

QP

= Quasi-peak Reading

AVG

= Average Reading

5.9.5. TEST RESULTS

30MHz to 1GHz:

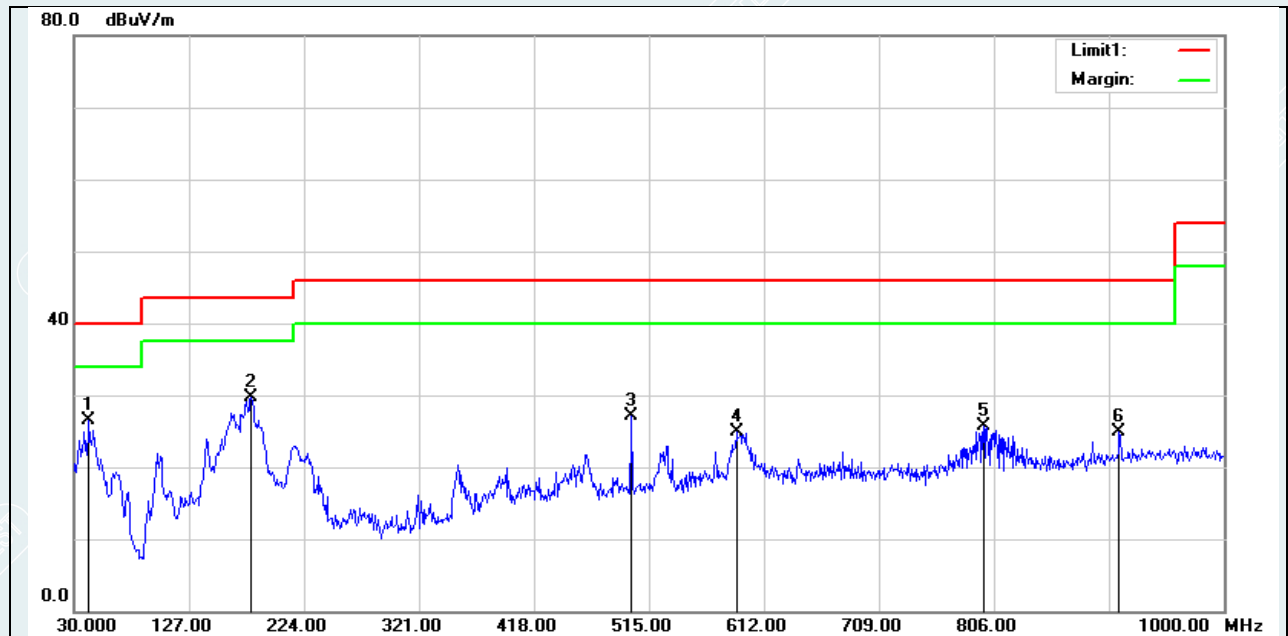
Mode: TX

Lowest channel (2402MHz)

Polarity

Date: 2020/11/08

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1*	42.6100	49.68	-23.20	26.48	40.00	-13.52	100	13	QP
2	179.3800	57.65	-27.94	29.71	43.50	-13.79	100	225	QP
3	500.4500	46.43	-19.30	27.13	46.00	-18.87	100	311	QP
4	588.7200	42.70	-17.77	24.93	46.00	-21.07	100	111	QP
5	797.2700	41.20	-15.52	25.68	46.00	-20.32	100	100	QP
6	911.7300	39.62	-14.65	24.97	46.00	-21.03	100	157	QP

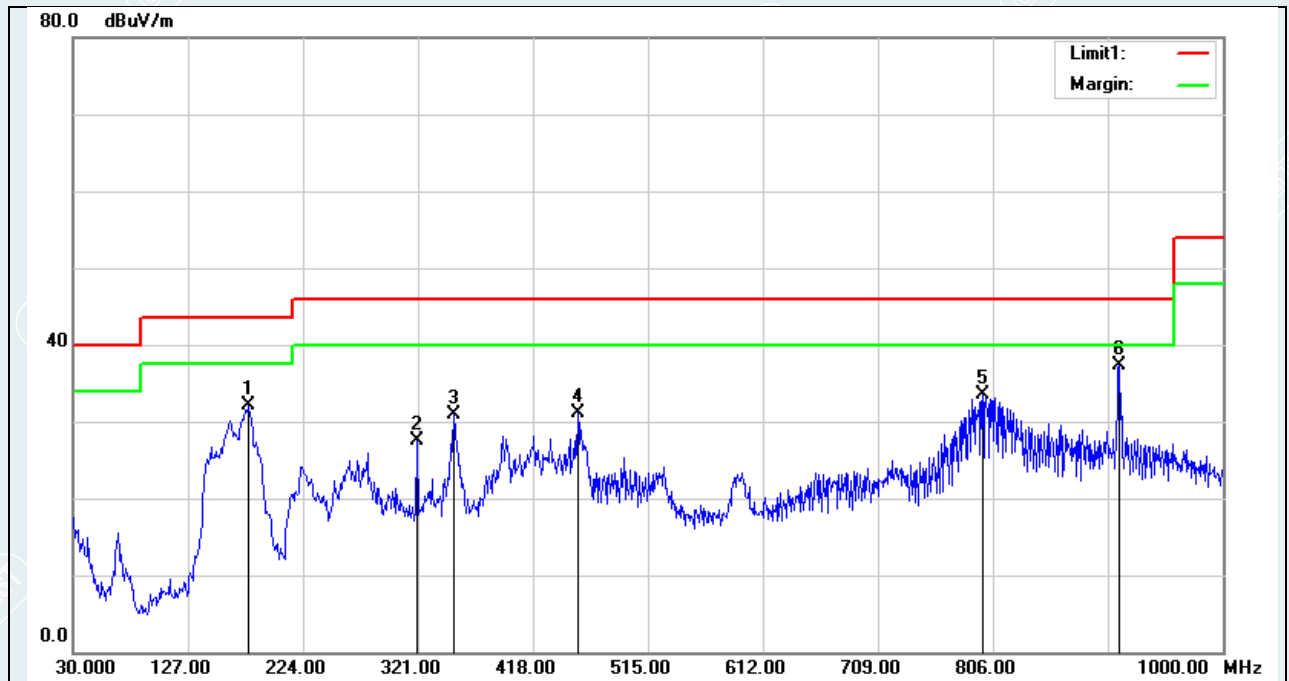
Mode: TX

Lowest channel (2402MHz)

Polarity

Date: 2020/11/08

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	178.4100	60.00	-27.93	32.07	43.50	-11.43	100	63	QP
2	320.0300	51.01	-23.60	27.41	46.00	-18.59	100	304	QP
3	351.0700	53.47	-22.54	30.93	46.00	-15.07	100	282	QP
4	455.8300	51.06	-19.97	31.09	46.00	-14.91	100	149	QP
5	797.2700	48.93	-15.52	33.41	46.00	-12.59	100	145	QP
6*	912.7000	51.99	-14.63	37.36	46.00	-8.64	100	341	QP

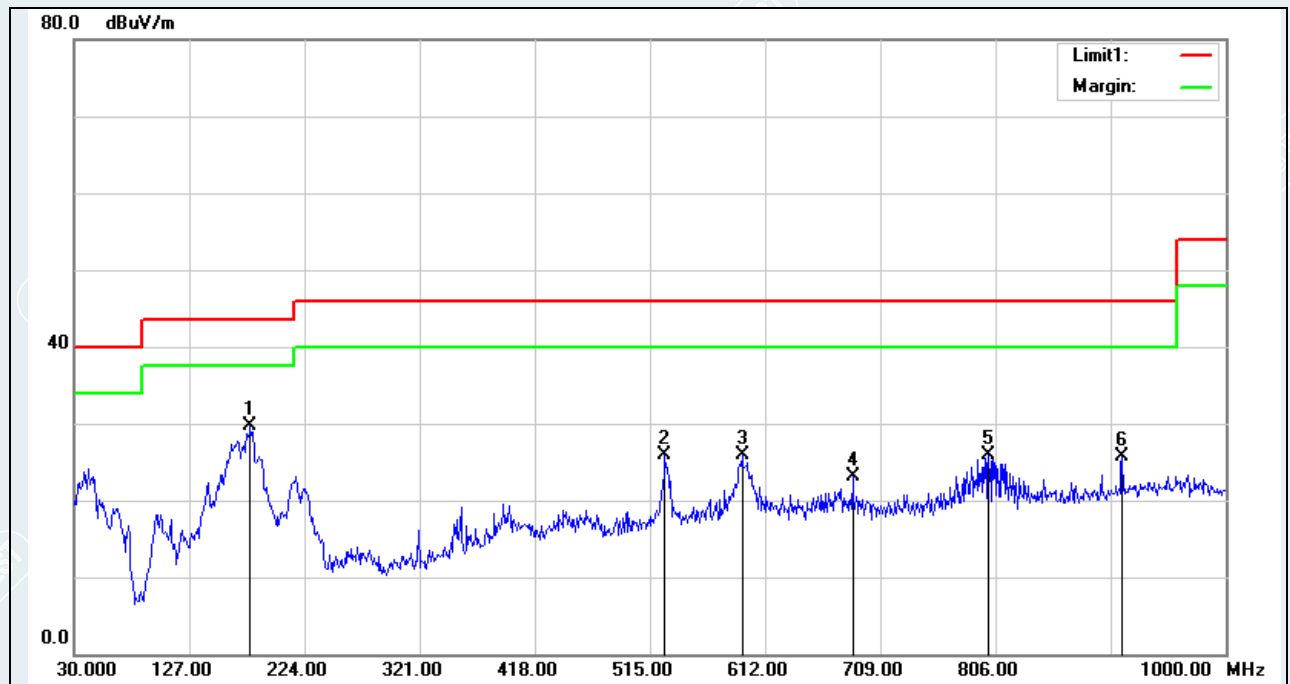
Mode: TX

Highest channel (2480MHz)

Polarity

Date: 2020/11/08

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1*	178.4100	57.69	-27.93	29.76	43.50	-13.74	100	242	QP
2	527.6100	44.66	-18.78	25.88	46.00	-20.12	100	245	QP
3	592.6000	43.57	-17.70	25.87	46.00	-20.13	100	145	QP
4	685.7200	40.01	-16.93	23.08	46.00	-22.92	100	191	QP
5	800.1800	41.41	-15.48	25.93	46.00	-20.07	100	104	QP
6	912.7000	40.39	-14.63	25.76	46.00	-20.24	100	154	QP

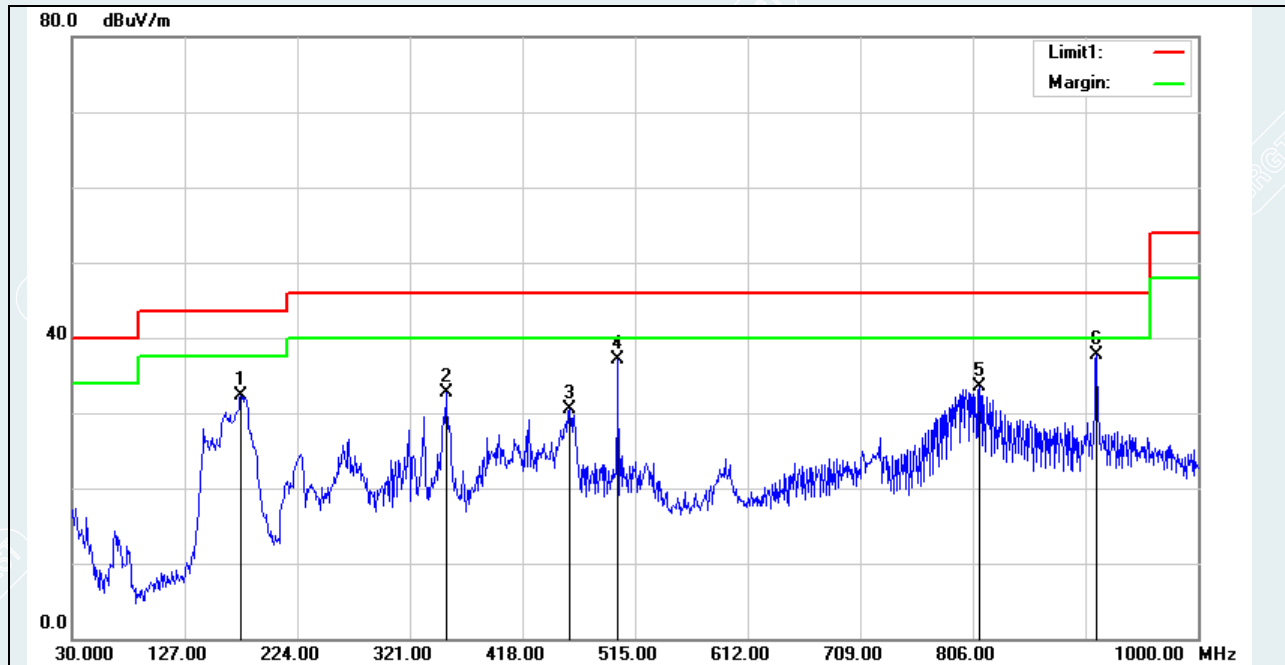
Mode: TX

Highest channel (2480MHz)

Polarity

Date: 2020/11/08

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	175.5000	60.12	-27.89	32.23	43.50	-11.27	100	66	QP
2	352.0400	55.27	-22.51	32.76	46.00	-13.24	100	302	QP
3	458.7400	50.50	-19.93	30.57	46.00	-15.43	100	199	QP
4	500.4500	56.43	-19.30	37.13	46.00	-8.87	100	213	QP
5	811.8200	48.98	-15.38	33.60	46.00	-12.40	100	147	QP
6*	912.7000	52.24	-14.63	37.61	46.00	-8.39	100	345	QP

Remark:

- 1 No emission found between lowest internal used/generated frequency to 30MHz.
- 2 Pre-scan all mode and recorded the worst case results in this report (TX-High Channel(1Mbps)
- 3 Measuring frequencies from 9kHz to the 1GHz.
- 4 Radiated emissions measured in frequency range from 30MHz to 1GHz were made with an instrument using Peak/Quasi-peak detector mode.
- 5 Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 6 The IF bandwidth of SPA between 30MHz to 1GHz was 120kHz.

Above 1GHz-18GHz:

Mode: TX/ DH5

Lowest channel (2402MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3189.3750	61.80	46.18	-15.62	74.00	27.82	150	180	Vertical
2	3651.5625	55.78	41.39	-14.39	74.00	32.61	150	231	Vertical
3	4803.7500	52.37	41.75	-10.62	74.00	32.25	150	145	Vertical
4	5973.7500	51.70	43.51	-8.19	74.00	30.49	150	151	Vertical
5	13989.3750	40.32	50.65	10.33	74.00	23.35	150	99	Vertical
6	17998.1250	39.05	60.32	21.27	74.00	13.68	150	93	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17998.1250	21.27	27.38	48.65	54.00	5.35	150	93	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3185.6250	55.89	40.23	-15.66	74.00	33.77	150	2	Horizontal
2	4803.7500	54.52	43.90	-10.62	74.00	30.10	150	214	Horizontal
3	7206.5625	47.90	45.08	-2.82	74.00	28.92	150	288	Horizontal
4	9607.5000	45.36	47.84	2.48	74.00	26.16	150	185	Horizontal
5	14550.9375	38.92	49.28	10.36	74.00	24.72	150	8	Horizontal
6	18000.0000	38.13	59.44	21.31	74.00	14.56	150	0	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18000.0000	21.31	26.43	47.74	54.00	6.26	150	0	Horizontal

Mode: TX/ DH5
Middle channel (2441MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3197.8125	60.48	44.95	-15.53	74.00	29.05	150	168	Vertical
2	3650.6250	55.52	41.14	-14.38	74.00	32.86	150	225	Vertical
3	4795.3125	50.18	39.55	-10.63	74.00	34.45	150	134	Vertical
4	5984.0625	51.11	42.91	-8.20	74.00	31.09	150	140	Vertical
5	15014.0625	39.87	49.54	9.67	74.00	24.46	150	231	Vertical
6	17990.6250	37.43	58.53	21.10	74.00	15.47	150	306	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17990.6250	21.10	26.46	47.56	54.00	6.44	150	306	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3187.5000	54.94	39.30	-15.64	74.00	34.70	150	0	Horizontal
2	3647.8125	53.61	39.27	-14.34	74.00	34.73	150	328	Horizontal
3	4881.5625	49.16	39.84	-9.32	74.00	34.16	150	185	Horizontal
4	9602.8125	42.76	45.24	2.48	74.00	28.76	150	70	Horizontal
5	14547.1875	41.74	52.08	10.34	74.00	21.92	150	174	Horizontal
6	17999.0625	37.80	59.09	21.29	74.00	14.91	150	351	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17999.0625	21.29	26.84	48.13	54.00	5.87	150	351	Horizontal

Mode: TX/ DH5
Highest channel (2480MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3188.4375	59.87	44.24	-15.63	74.00	29.76	150	99	Vertical
2	3645.0000	54.72	40.41	-14.31	74.00	33.59	150	219	Vertical
3	5987.8125	51.50	43.30	-8.20	74.00	30.70	150	150	Vertical
4	7003.1250	46.77	43.52	-3.25	74.00	30.48	150	133	Vertical
5	13986.5625	39.18	49.49	10.31	74.00	24.51	150	19	Vertical
6	17987.8125	36.80	57.83	21.03	74.00	16.17	150	230	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17987.8125	21.03	25.83	46.86	54.00	7.14	150	230	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3421.8750	54.56	38.40	-16.16	74.00	35.60	150	253	Horizontal
2	3647.8125	53.47	39.13	-14.34	74.00	34.87	150	334	Horizontal
3	4959.3750	48.52	39.72	-8.80	74.00	34.28	150	219	Horizontal
4	9170.6250	43.85	45.29	1.44	74.00	28.71	150	311	Horizontal
5	13995.9375	39.06	49.45	10.39	74.00	24.55	150	196	Horizontal
6	17978.4375	36.74	57.56	20.82	74.00	16.44	150	179	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17978.4375	20.82	26.85	47.67	54.00	6.33	150	179	Horizontal

Mode: TX/ 3DH5
Lowest channel (2402MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3195.9375	61.05	45.50	-15.55	74.00	28.50	150	180	Vertical
2	3641.2500	55.27	41.01	-14.26	74.00	32.99	150	272	Vertical
3	4803.7500	50.96	40.34	-10.62	74.00	33.66	150	232	Vertical
4	5972.8125	52.00	43.81	-8.19	74.00	30.19	150	152	Vertical
5	7205.6250	47.91	45.10	-2.81	74.00	28.90	150	300	Vertical
6	17984.0625	39.08	60.03	20.95	74.00	13.97	150	174	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17984.0625	20.95	27.08	48.03	54.00	5.97	150	174	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3195.0000	55.16	39.60	-15.56	74.00	34.40	150	191	Horizontal
2	4803.7500	54.39	43.77	-10.62	74.00	30.23	150	208	Horizontal
3	5976.5625	48.86	40.66	-8.20	74.00	33.34	150	134	Horizontal
4	7205.6250	47.13	44.32	-2.81	74.00	29.68	150	288	Horizontal
5	14010.9375	39.38	49.67	10.29	74.00	24.33	150	242	Horizontal
6	17998.1250	38.02	59.29	21.27	74.00	14.71	150	94	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17998.1250	21.27	27.46	48.73	54.00	5.27	150	94	Horizontal

Mode: TX/ 3DH5
Middle channel (2441MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3196.8750	57.77	42.23	-15.54	74.00	31.77	150	180	Vertical
2	3646.8750	54.78	40.45	-14.33	74.00	33.55	150	237	Vertical
3	5972.8125	50.34	42.15	-8.19	74.00	31.85	150	140	Vertical
4	7687.5000	45.05	43.37	-1.68	74.00	30.63	150	76	Vertical
5	13987.5000	39.44	49.76	10.32	74.00	24.24	150	48	Vertical
6	18000.0000	37.19	58.50	21.31	74.00	15.50	150	168	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dB μ V/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18000.0000	21.31	27.02	48.33	54.00	5.67	150	168	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dB μ V/m]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3185.6250	55.24	39.58	-15.66	74.00	34.42	150	88	Horizontal
2	3654.3750	54.01	39.58	-14.43	74.00	34.42	150	145	Horizontal
3	4881.5625	48.52	39.20	-9.32	74.00	34.80	150	179	Horizontal
4	11296.8750	41.38	48.67	7.29	74.00	25.33	150	145	Horizontal
5	13987.5000	39.45	49.77	10.32	74.00	24.23	150	219	Horizontal
6	17994.3750	36.98	58.16	21.18	74.00	15.84	150	41	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dB μ V/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17994.3750	21.18	26.41	47.59	54.00	6.41	150	41	Horizontal

Mode: TX/ 3DH5
Highest channel (2480MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3195.0000	60.40	44.84	-15.56	74.00	29.16	150	174	Vertical
2	3649.6875	55.62	41.25	-14.37	74.00	32.75	150	82	Vertical
3	5991.5625	51.55	43.35	-8.20	74.00	30.65	150	150	Vertical
4	6385.3125	49.48	42.73	-6.75	74.00	31.27	150	236	Vertical
5	13977.1875	39.79	50.03	10.24	74.00	23.97	150	225	Vertical
6	17977.5000	38.86	59.66	20.80	74.00	14.34	150	65	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17977.5000	20.80	26.18	46.98	54.00	7.02	150	65	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3187.5000	55.16	39.52	-15.64	74.00	34.48	150	24	Horizont
2	5281.8750	46.81	38.24	-8.57	74.00	35.76	150	64	Horizont
3	6045.9375	48.06	40.25	-7.81	74.00	33.75	150	122	Horizont
4	9149.0625	43.92	45.28	1.36	74.00	28.72	150	7	Horizont
5	13988.4375	39.96	50.29	10.33	74.00	23.71	150	87	Horizont
6	17995.3125	36.74	57.94	21.20	74.00	16.06	150	334	Horizont

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17995.3125	21.20	26.06	47.26	54.00	6.74	150	334	Horizont

Above 18GHz-26.5GHz:

Recorded the worst case results in this report (IEEE 802.11n HT40)

Mode: TX/ DH5

Lowest channel (2402MHz)

Date: 2020/11/08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18435.2000	58.54	46.94	-11.60	83.54	36.60	100	67	Vertical
2	20406.3500	57.13	46.79	-10.34	83.54	36.75	100	318	Vertical
3	22654.6000	56.07	46.93	-9.14	83.54	36.61	100	108	Vertical
4	23228.3500	56.24	47.57	-8.67	83.54	35.97	100	108	Vertical
5	24408.1500	55.27	47.43	-7.84	83.54	36.11	100	310	Vertical
6	26152.3500	55.56	48.61	-6.95	83.54	34.93	100	213	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18311.9500	58.87	47.09	-11.78	83.54	36.45	100	3	Horizontal
2	18854.2500	58.82	47.41	-11.41	83.54	36.13	100	51	Horizontal
3	20513.4500	57.04	46.77	-10.27	83.54	36.77	100	157	Horizontal
4	21682.2000	56.24	46.33	-9.91	83.54	37.21	100	124	Horizontal
5	22642.7000	56.69	47.54	-9.15	83.54	36.00	100	83	Horizontal
6	23292.9500	56.13	47.53	-8.60	83.54	36.01	100	99	Horizontal

Test result: The unit does meet the requirements.

5.10. RESTRICTED BANDS OF OPERATION

5.10.1. LIMITS

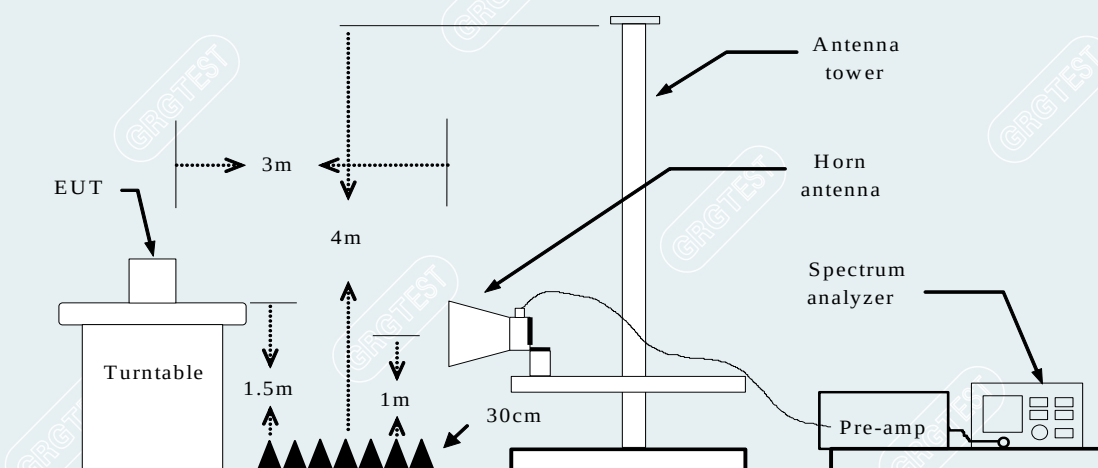
Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

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		

5.10.2. TEST PROCEDURES

- 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.

5.10.3. TEST SETUP



5.10.4. TEST RESULTS

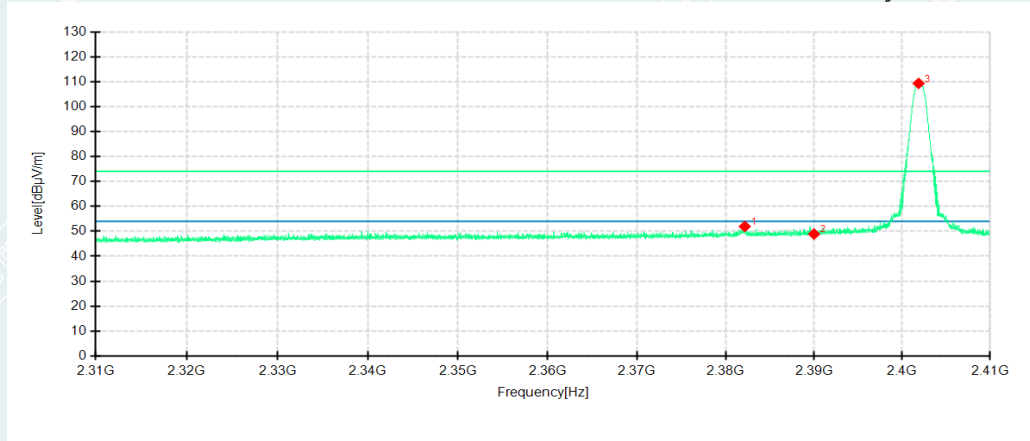
DH5

Lowest Channel

Channel 2402MHz

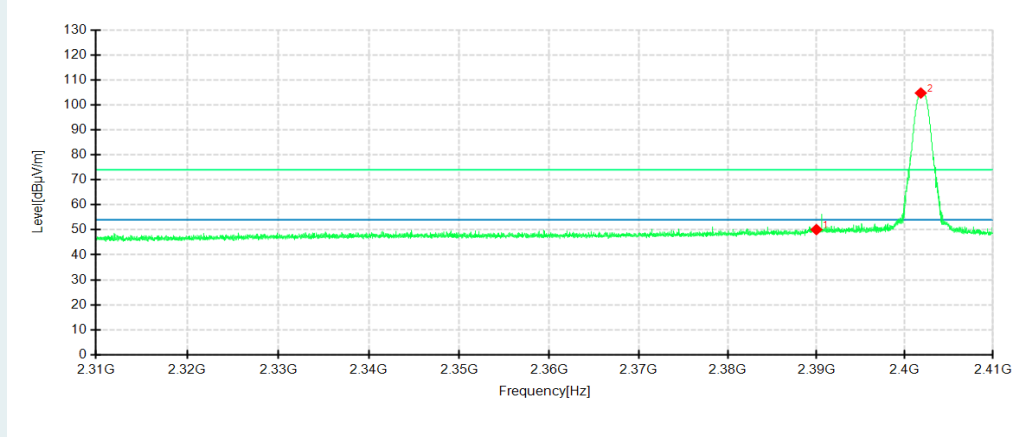
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



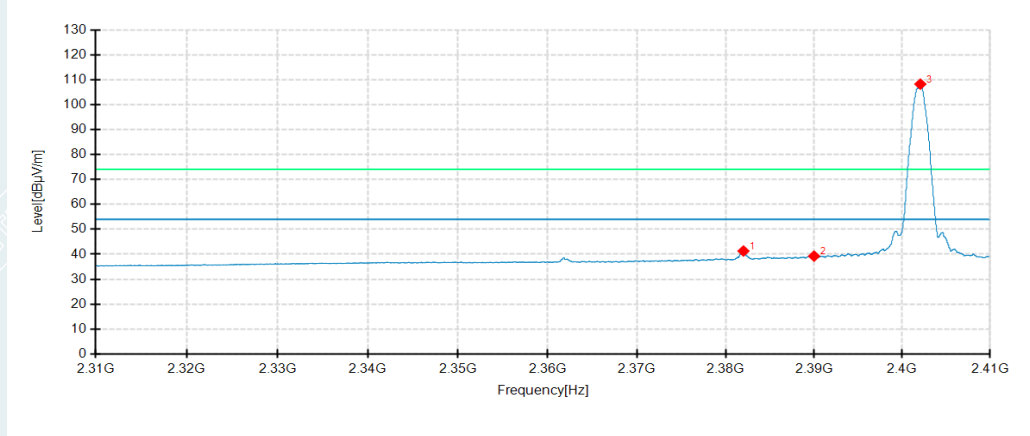
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole
1	2382.1667	45.26	51.94	6.68	74.00	22.06	150	223	Horizontal
2	2390.0000	42.05	48.90	6.85	74.00	25.10	150	220	Horizontal
3	2401.8667	102.28	109.31	7.03	74.00	-35.31	150	206	Horizontal
1	2390.0000	43.24	50.09	6.85	74.00	23.91	150	136	Vertical
2	2401.8167	97.69	104.72	7.03	74.00	-30.72	150	303	Vertical

Lowest Channel

Channel 2402MHz

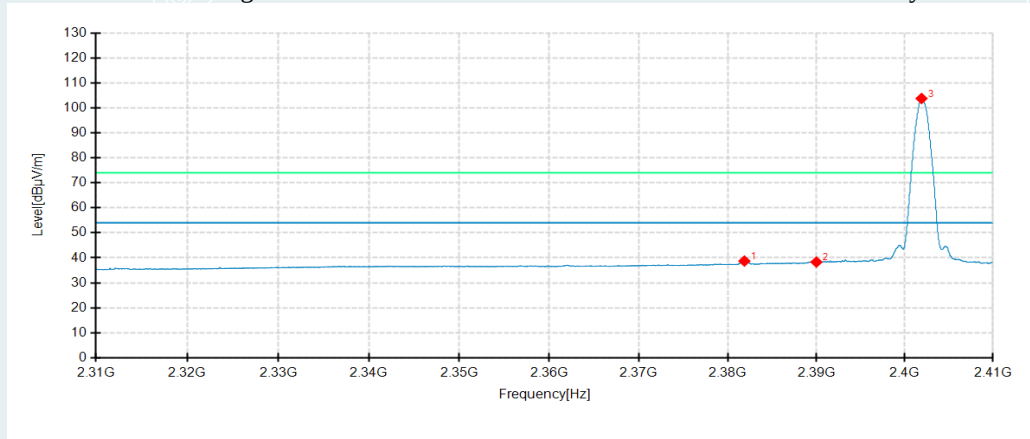
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



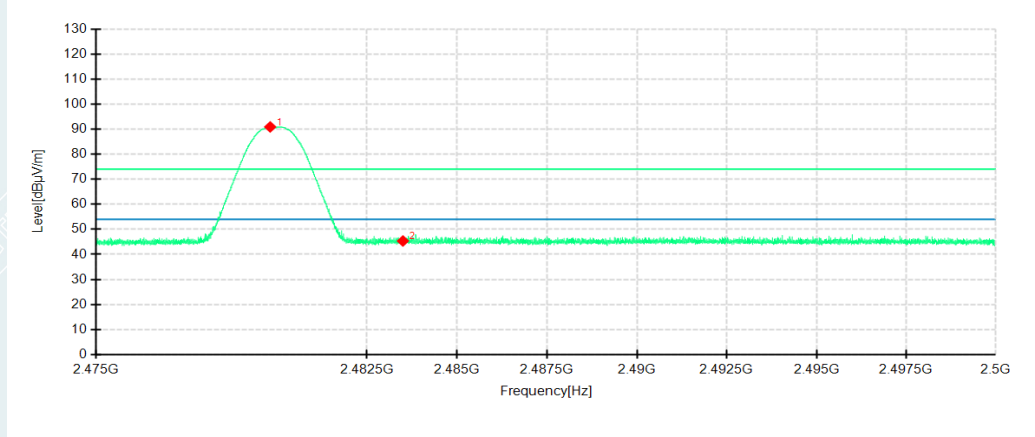
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole
1	2382.0167	34.62	41.29	6.67	54.00	12.71	150	194	Horizontal
2	2390.0000	32.40	39.25	6.85	54.00	14.75	150	205	Horizontal
3	2402.0667	101.19	108.21	7.02	54.00	-54.21	150	205	Horizontal
1	2381.8833	32.03	38.70	6.67	54.00	15.30	150	277	Vertical
2	2390.0000	31.45	38.30	6.85	54.00	15.70	150	143	Vertical
3	2401.9000	96.71	103.74	7.03	54.00	-49.74	150	298	Vertical

Highest Channel

Channel 2480MHz

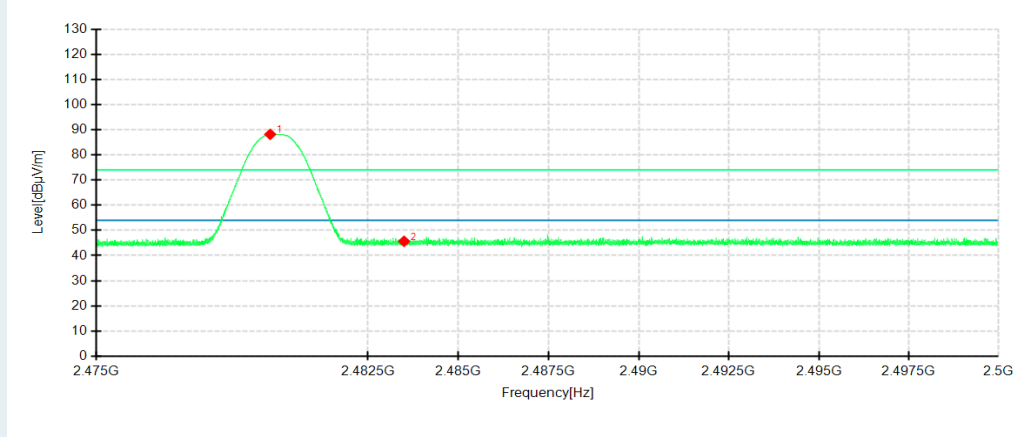
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



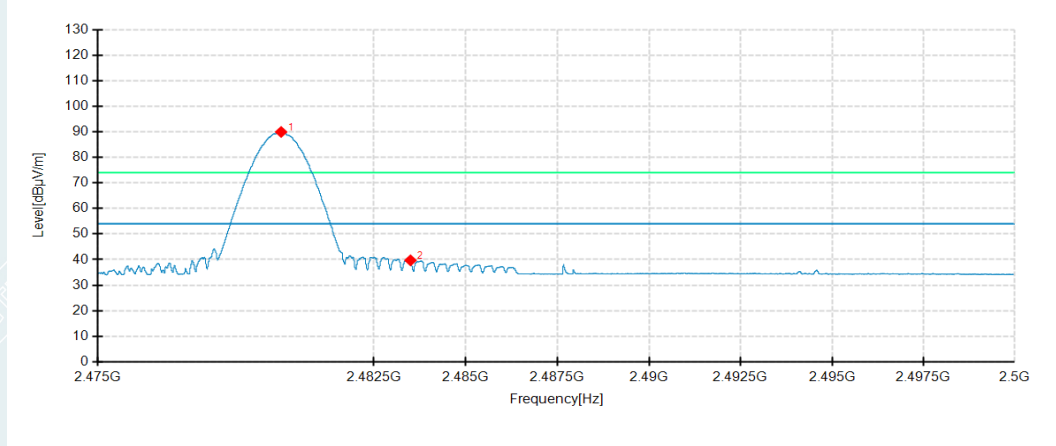
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole
1	2479.8200	85.26	90.88	5.62	74.00	-16.88	150	185	Horizontal
2	2483.5000	39.79	45.35	5.56	74.00	28.65	150	330	Horizontal
1	2479.8000	82.53	88.15	5.62	74.00	-14.15	150	95	Vertical
2	2483.5000	40.10	45.66	5.56	74.00	28.34	150	307	Vertical

Highest Channel

Channel 2480MHz

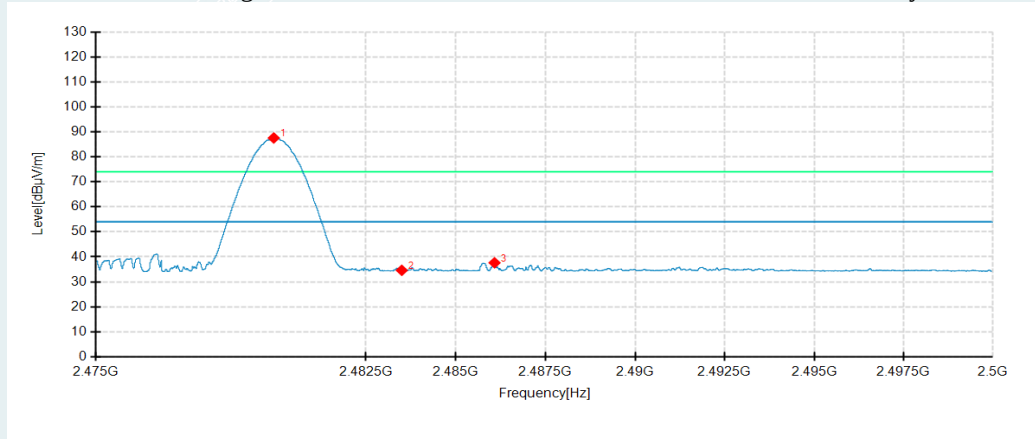
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



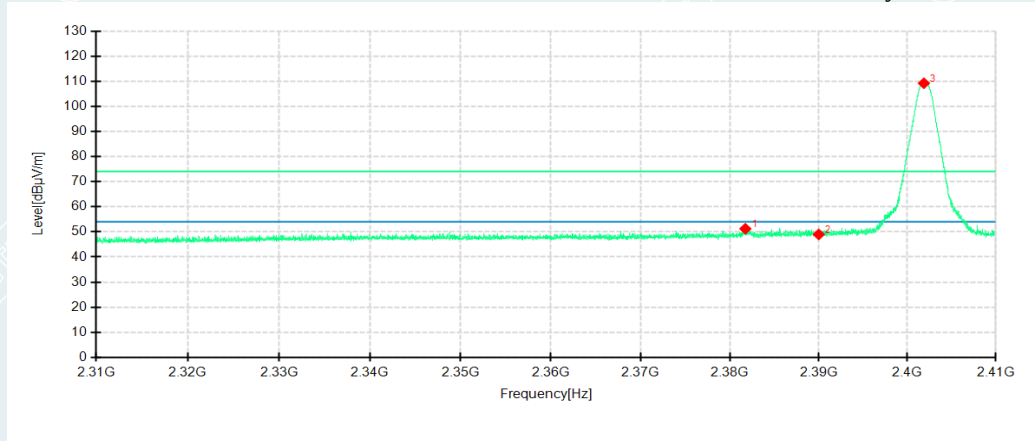
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole
1	2479.9800	84.31	89.93	5.62	54.00	-35.93	150	172	Horizontal
2	2483.5000	34.14	39.70	5.56	54.00	14.30	150	14	Horizontal
1	2479.9400	81.92	87.54	5.62	54.00	-33.54	150	100	Vertical
2	2483.5000	29.04	34.60	5.56	54.00	19.40	150	246	Vertical
3	2486.0825	32.10	37.61	5.51	54.00	16.39	150	246	Vertical

3DH5**Lowest Channel**

Channel 2402MHz

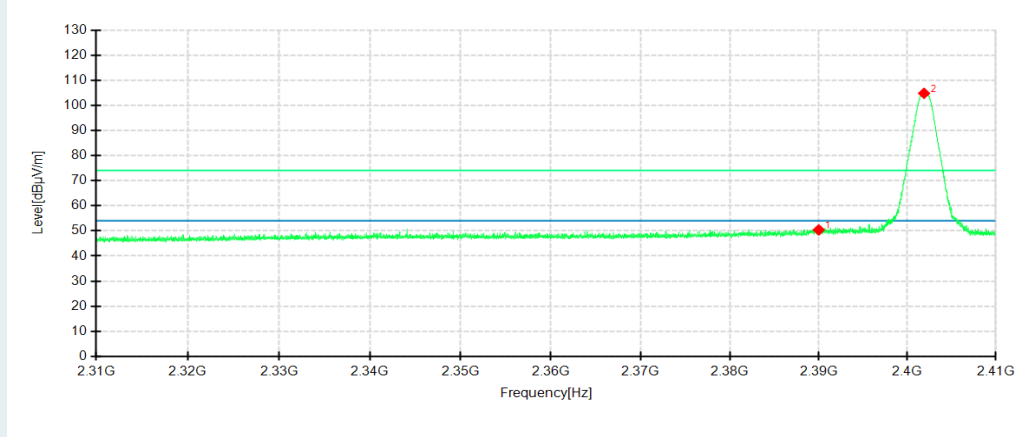
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



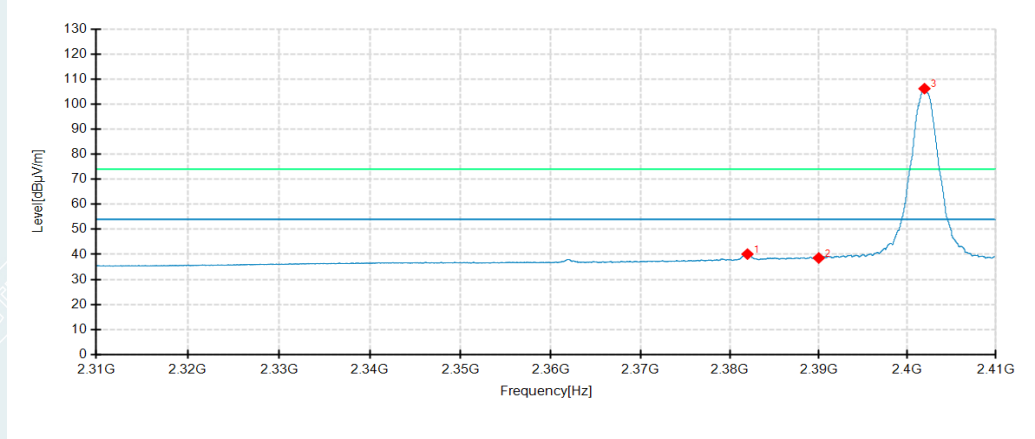
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole
1	2381.7500	44.56	51.23	6.67	74.00	22.77	150	216	Horizontal
2	2390.0000	42.12	48.97	6.85	74.00	25.03	150	111	Horizontal
3	2401.8667	102.16	109.19	7.03	74.00	-35.19	150	206	Horizontal
1	2390.0000	43.53	50.38	6.85	74.00	23.62	150	177	Vertical
2	2401.8833	97.74	104.77	7.03	74.00	-30.77	150	299	Vertical

Lowest Channel

Channel 2402MHz

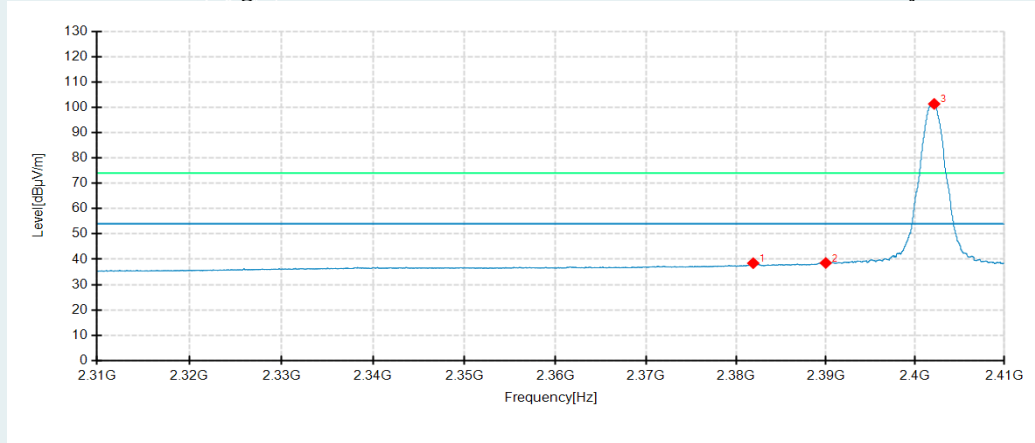
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



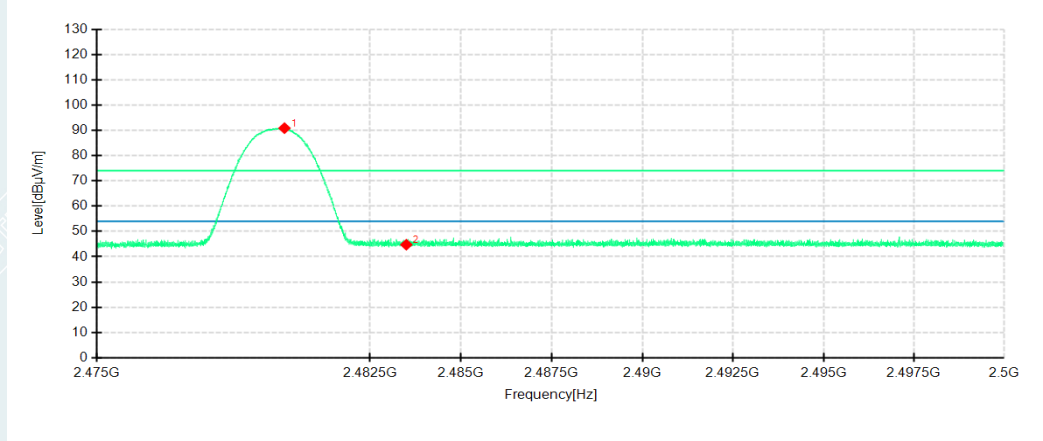
No.	Frequency MHz	Reading dBμV/m	Level dBμV/ m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole
1	2381.9833	33.45	40.12	6.67	54.00	13.88	150	203	Horizontal
2	2390.0000	31.71	38.56	6.85	54.00	15.44	150	196	Horizontal
3	2401.9333	99.14	106.17	7.03	54.00	-52.17	150	200	Horizontal
1	2381.9167	31.79	38.46	6.67	54.00	15.54	150	100	Vertical
2	2390.0000	31.70	38.55	6.85	54.00	15.45	150	127	Vertical
3	2402.1333	94.30	101.32	7.02	54.00	-47.32	150	302	Vertical

Highest Channel

Channel 2480MHz

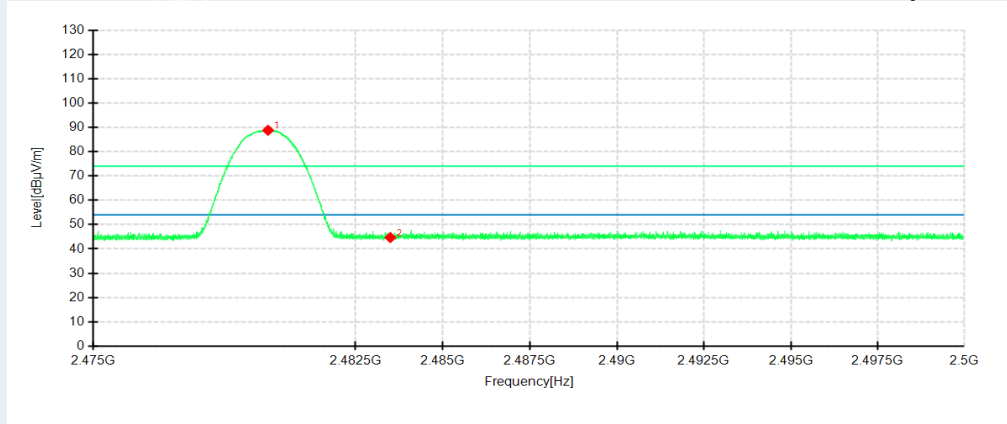
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



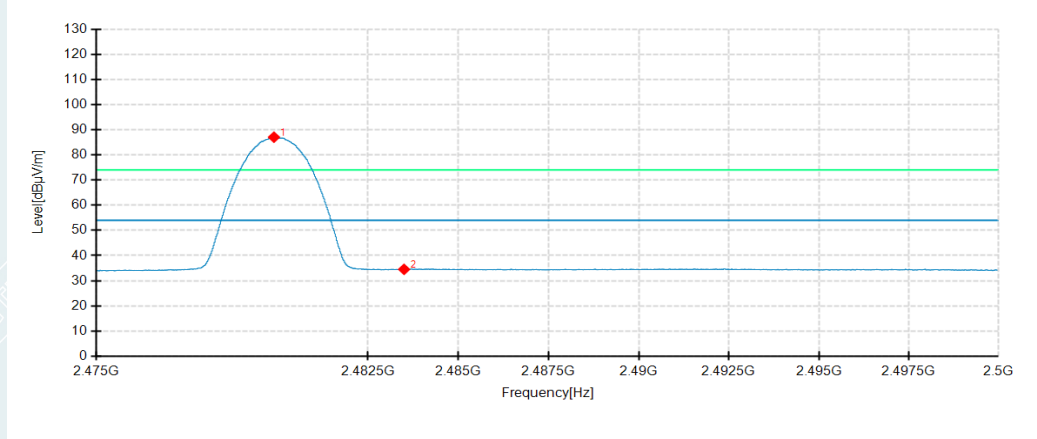
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole
1	2480.1500	85.22	90.84	5.62	74.00	-16.84	150	185	Horizontal
2	2483.5000	39.18	44.74	5.56	74.00	29.26	150	40	Horizontal
1	2479.9975	83.17	88.79	5.62	74.00	-14.79	150	98	Vertical
2	2483.5000	39.10	44.66	5.56	74.00	29.34	150	98	Vertical

Highest Channel

Channel 2480MHz

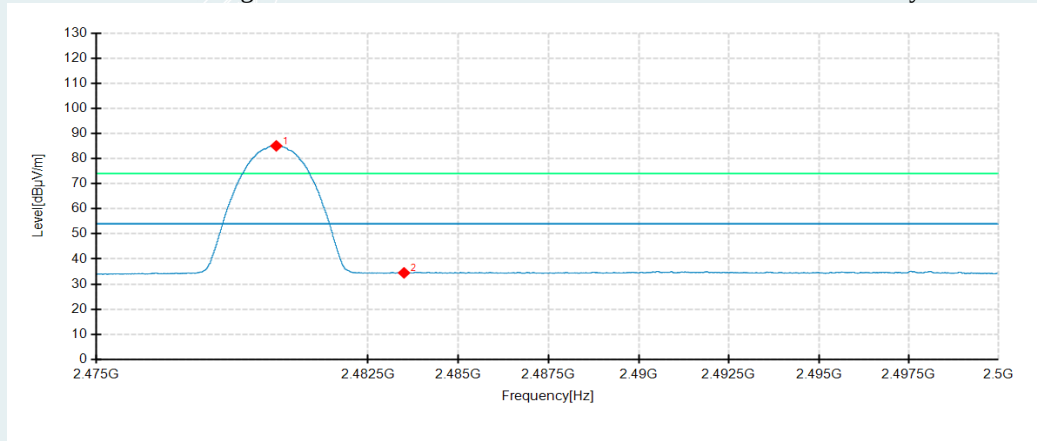
Detector mode: Average

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
1	2479.9025	81.41	87.03	5.62	54.00	-33.03	150	190	Horizontal
2	2483.5000	28.96	34.52	5.56	54.00	19.48	150	190	Horizontal
1	2479.9675	79.42	85.04	5.62	54.00	-31.04	150	103	Vertical
2	2483.5000	28.91	34.47	5.56	54.00	19.53	150	323	Vertical

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

-----This is the last page of the report.-----