

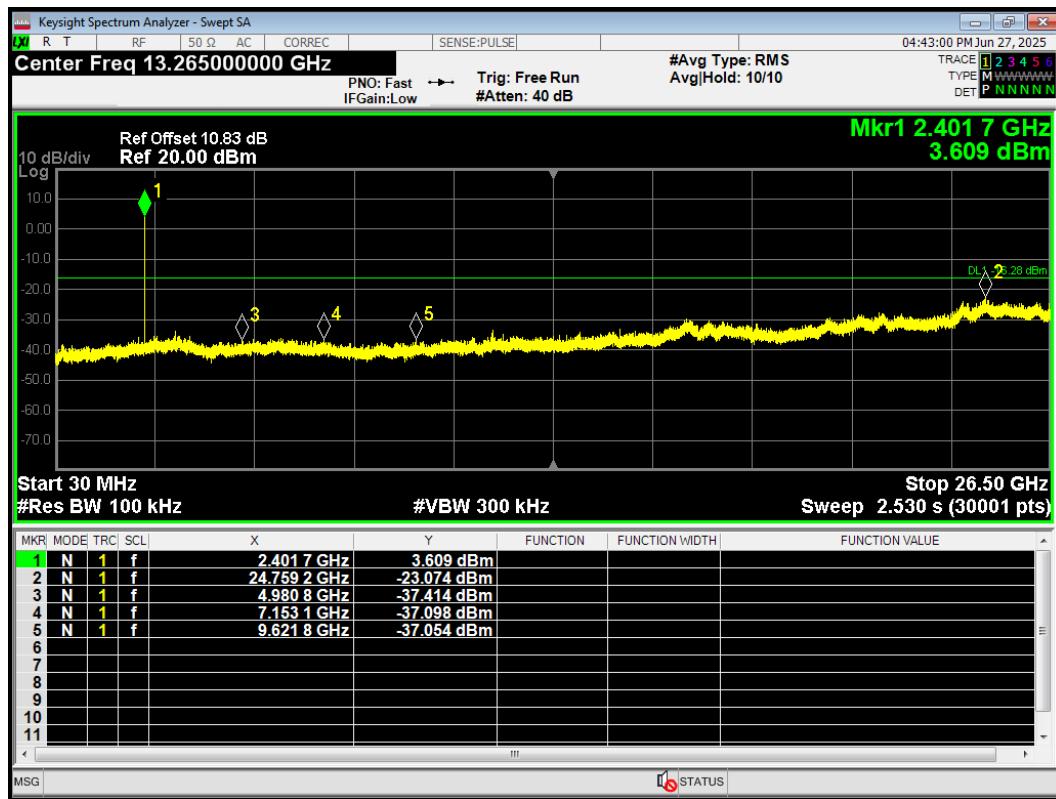
## Test Results:

The signal beyond the limit is carrier.

Tx. Spurious 1-DH5 2402MHz Ref



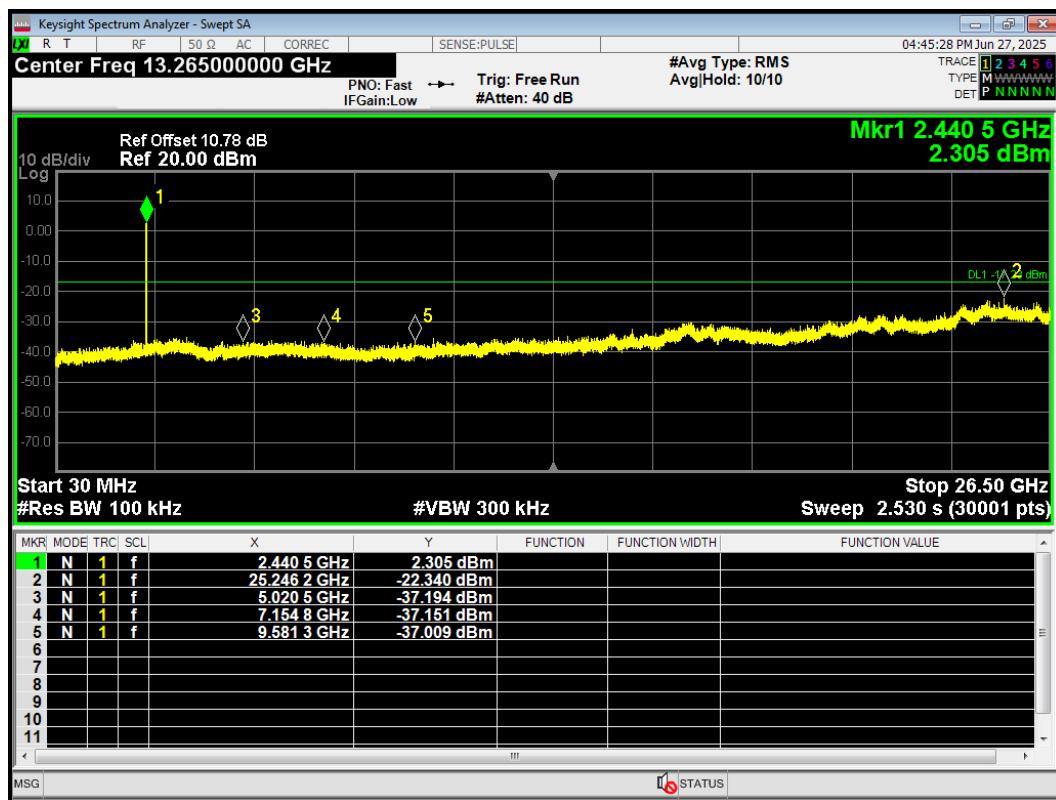
Tx. Spurious 1-DH5 2402MHz Emission



## Tx. Spurious 1-DH5 2441MHz Ref



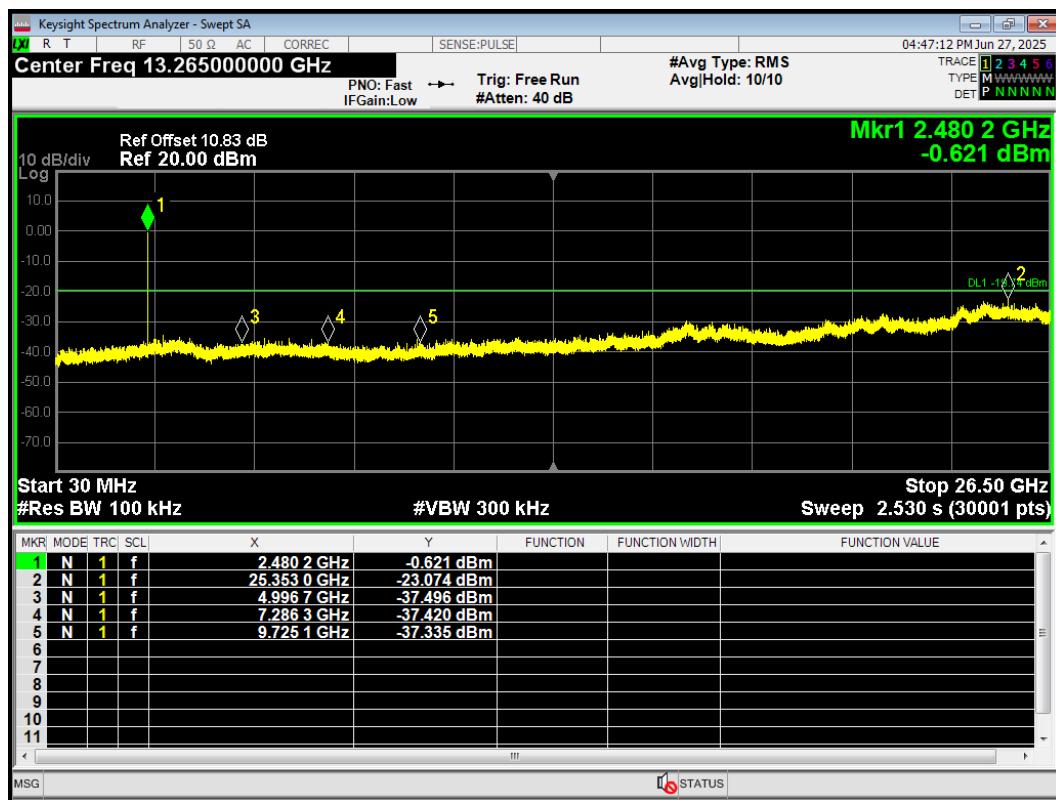
## Tx. Spurious 1-DH5 2441MHz Emission



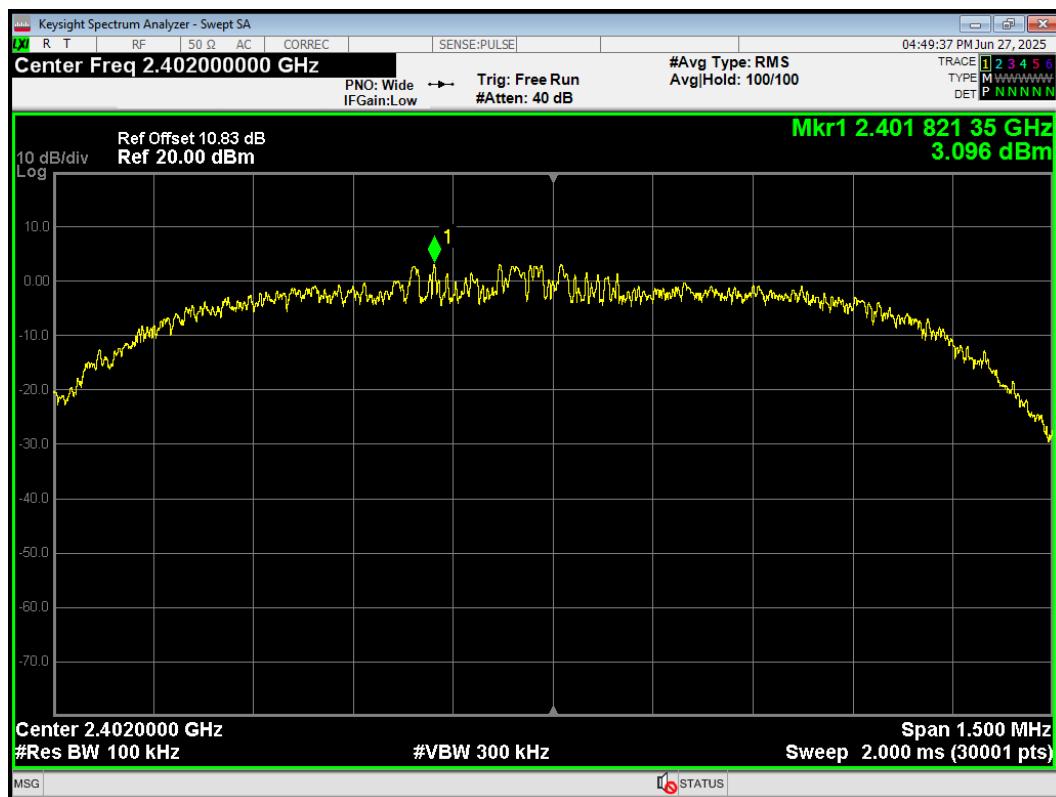
## Tx. Spurious 1-DH5 2480MHz Ref



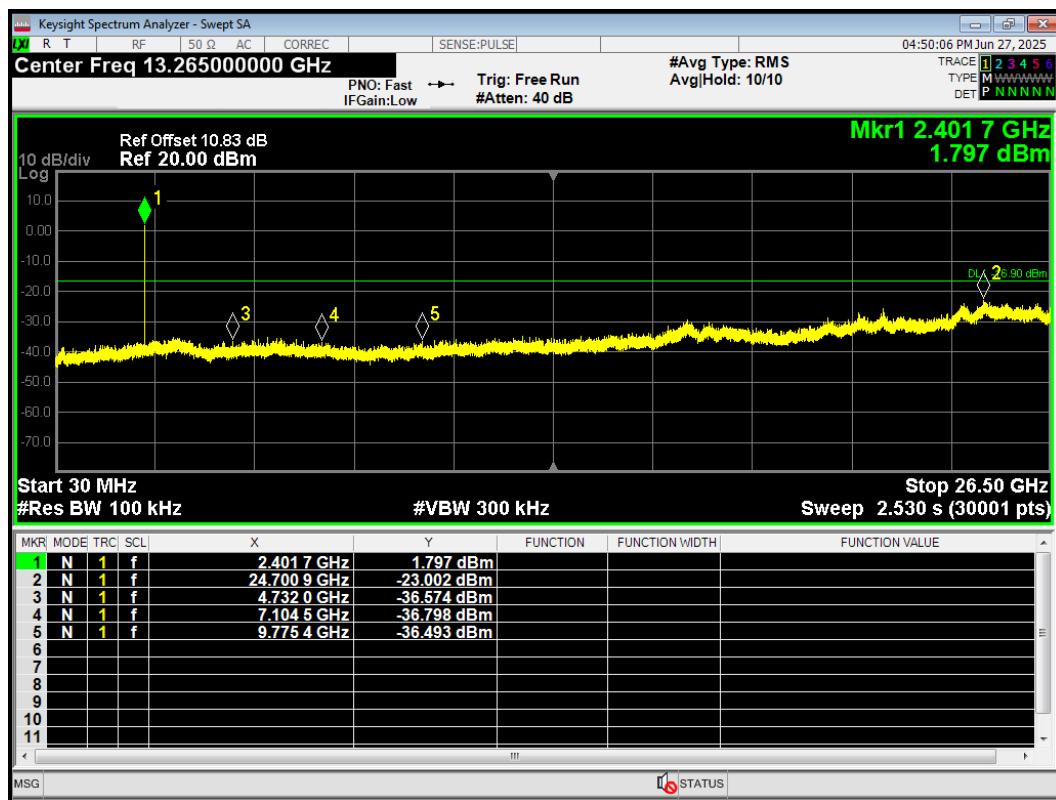
## Tx. Spurious 1-DH5 2480MHz Emission



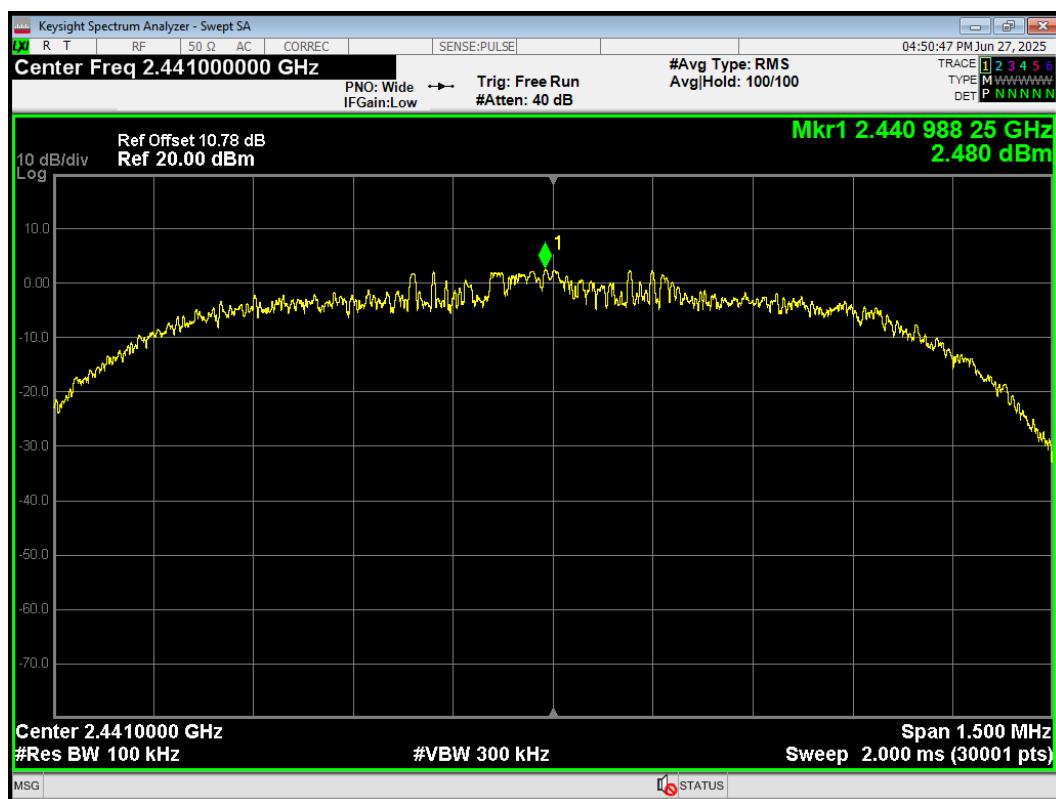
## Tx. Spurious 2-DH5 2402MHz Ref



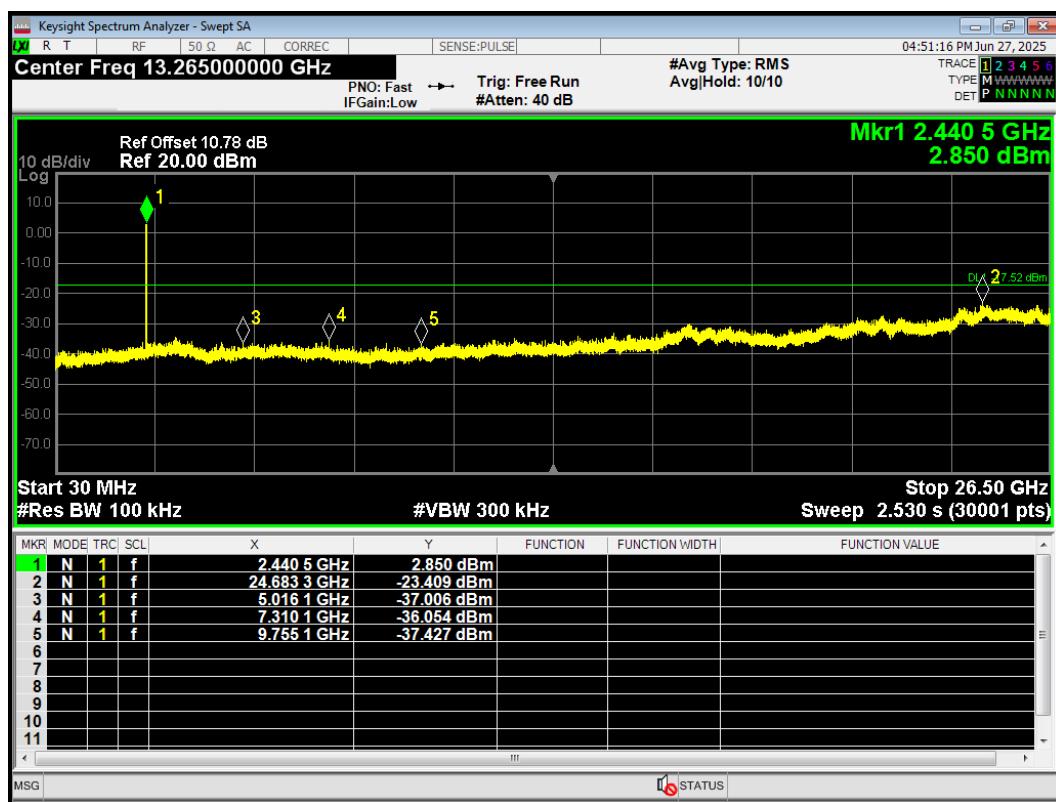
## Tx. Spurious 2-DH5 2402MHz Emission



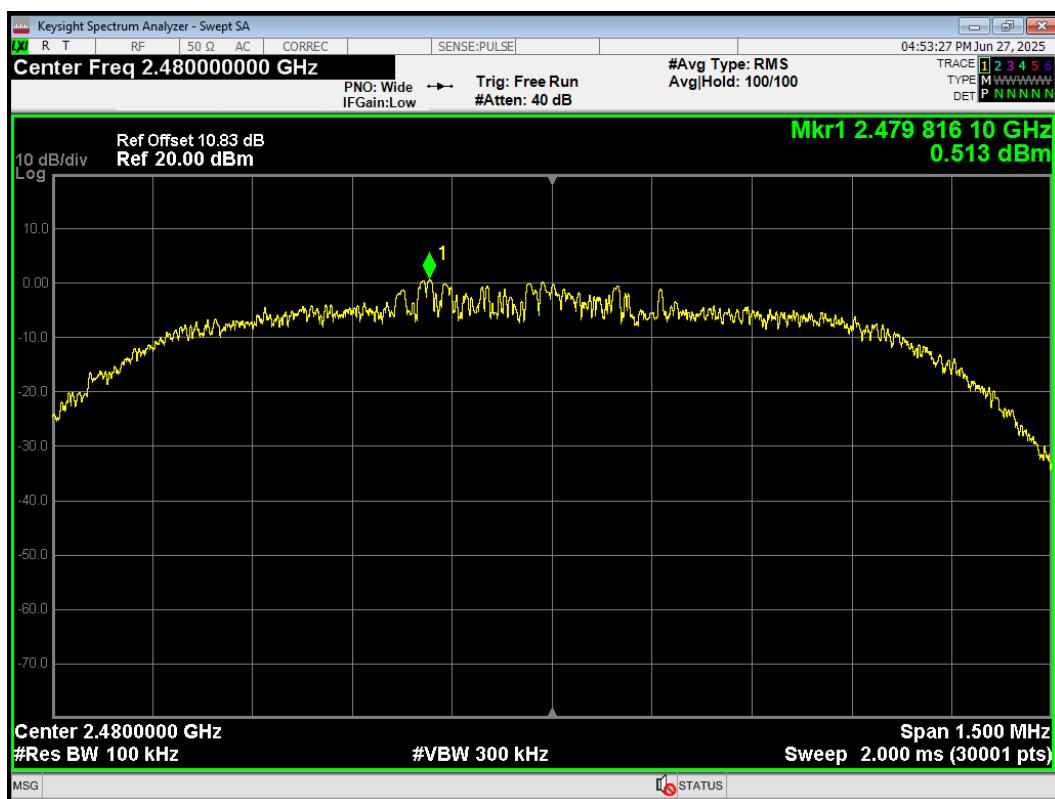
## Tx. Spurious 2-DH5 2441MHz Ref



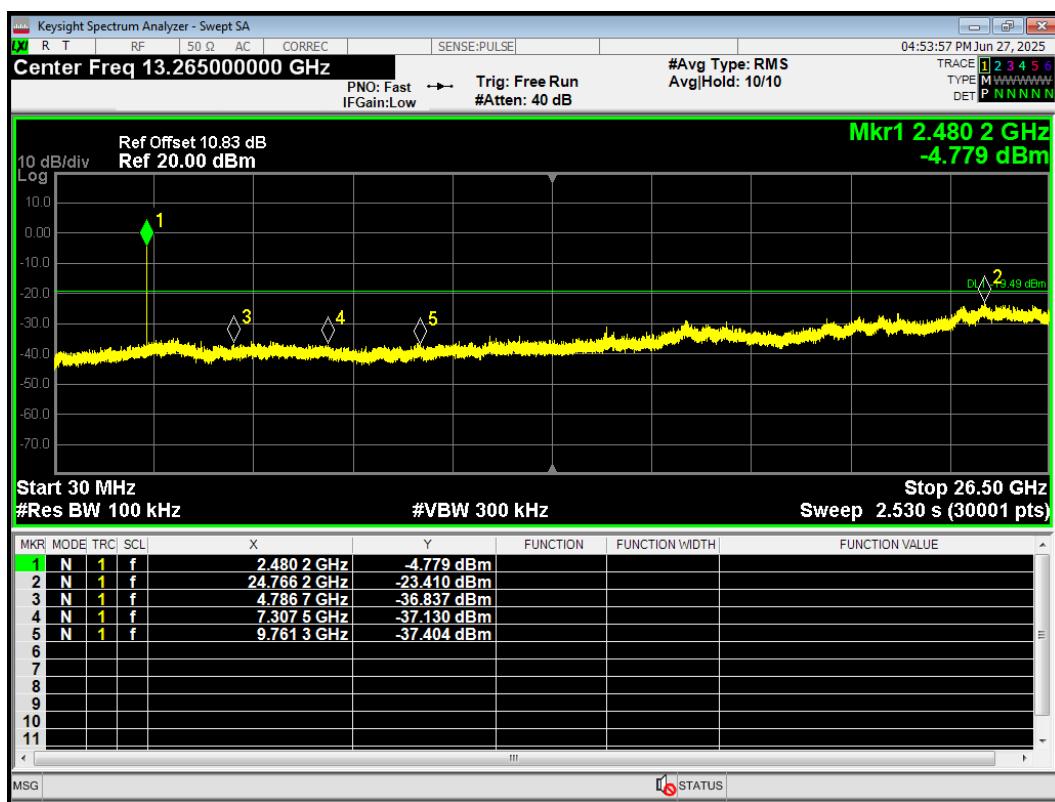
## Tx. Spurious 2-DH5 2441MHz Emission



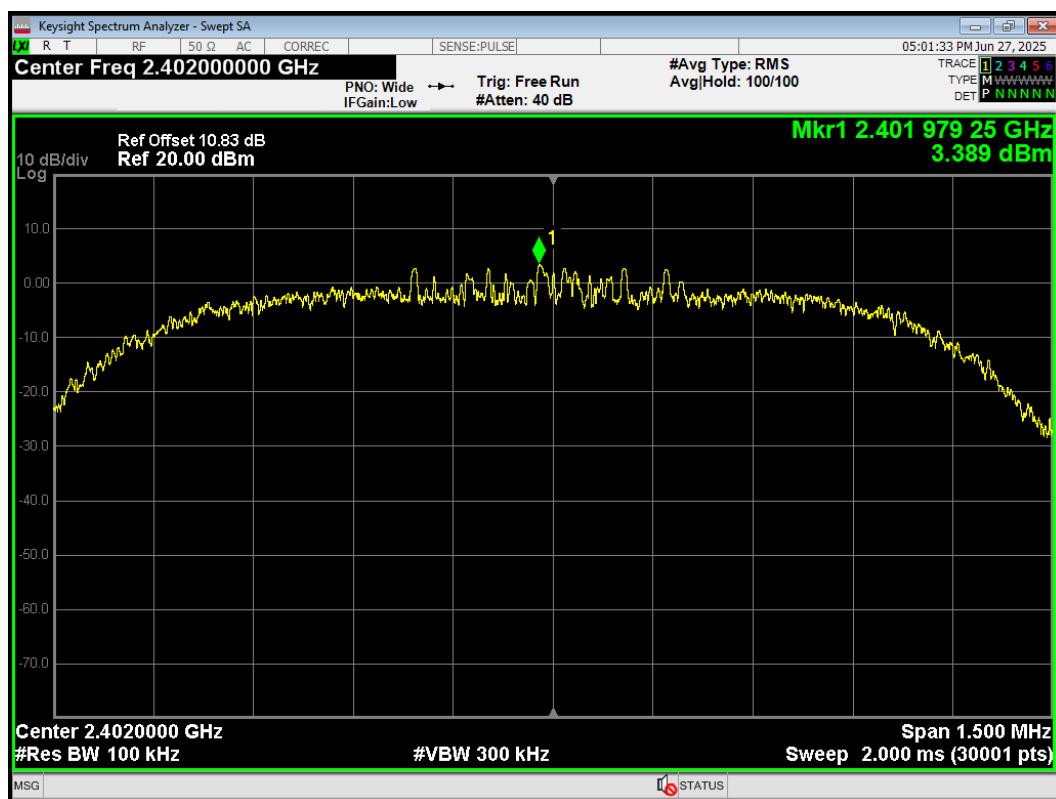
## Tx. Spurious 2-DH5 2480MHz Ref



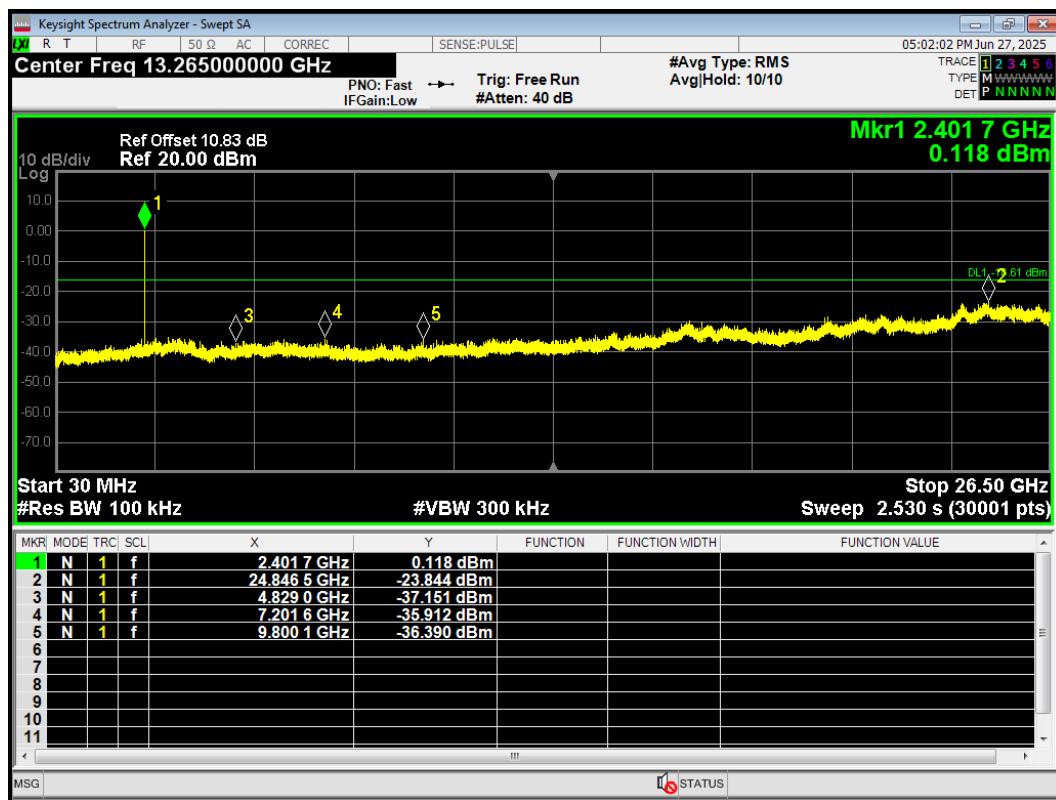
## Tx. Spurious 2-DH5 2480MHz Emission



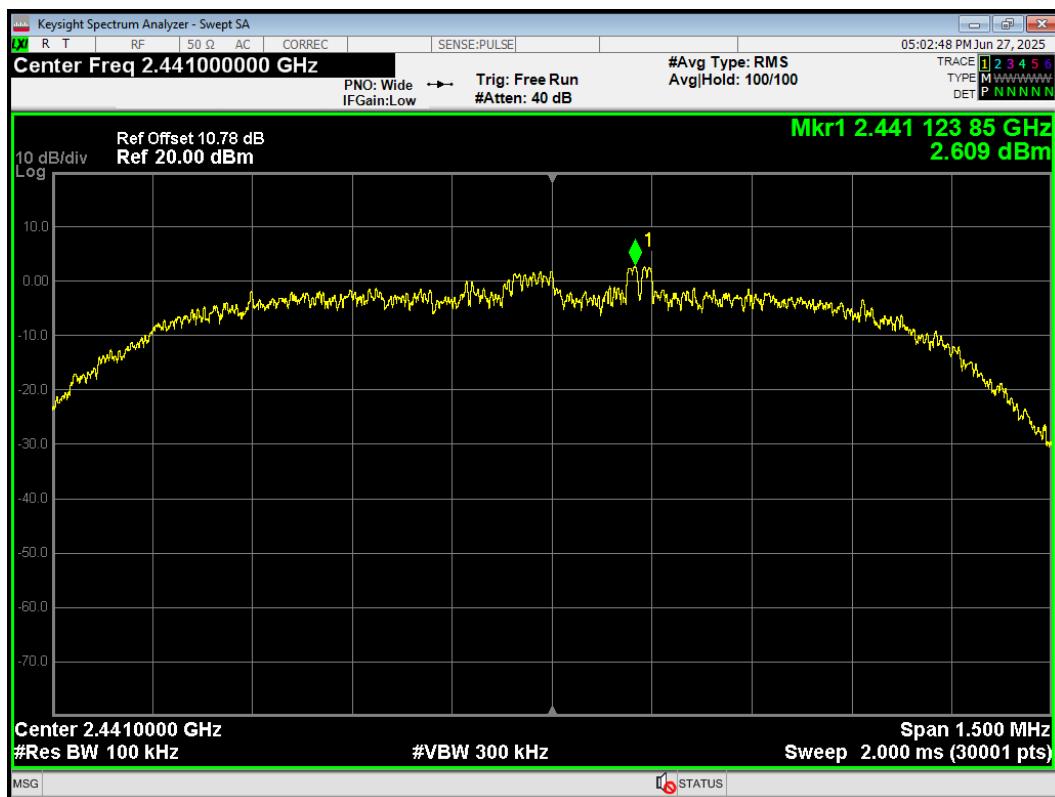
## Tx. Spurious 3-DH5 2402MHz Ref



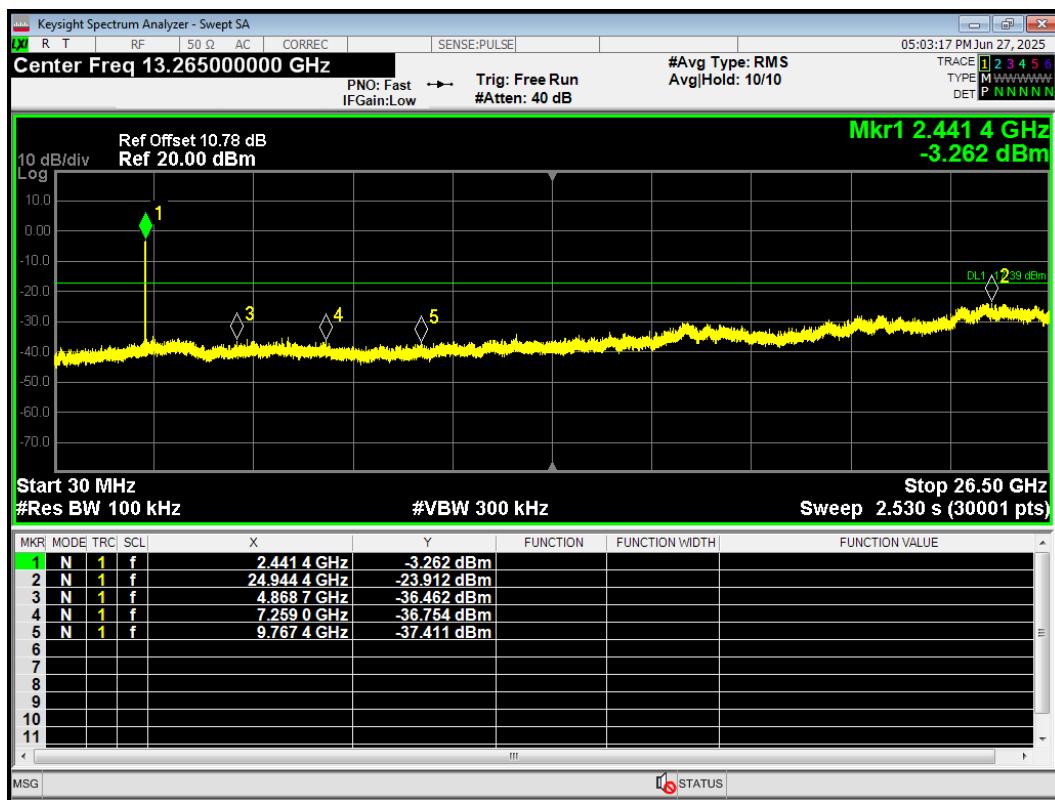
## Tx. Spurious 3-DH5 2402MHz Emission



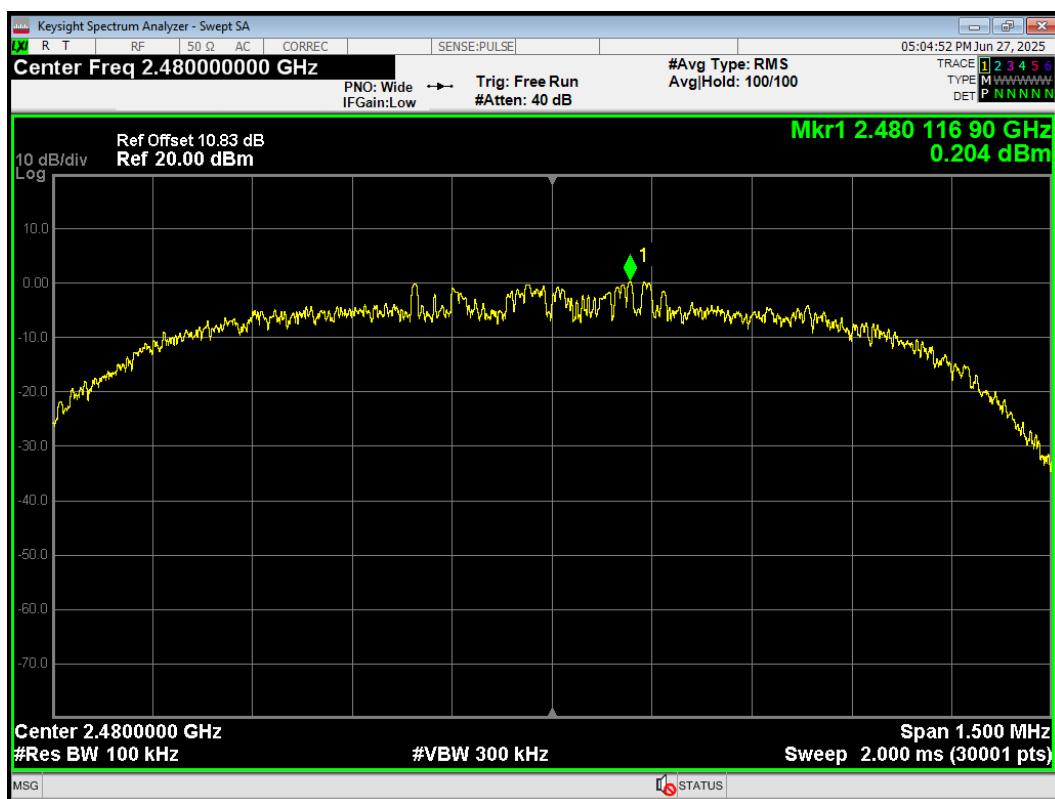
## Tx. Spurious 3-DH5 2441MHz Ref



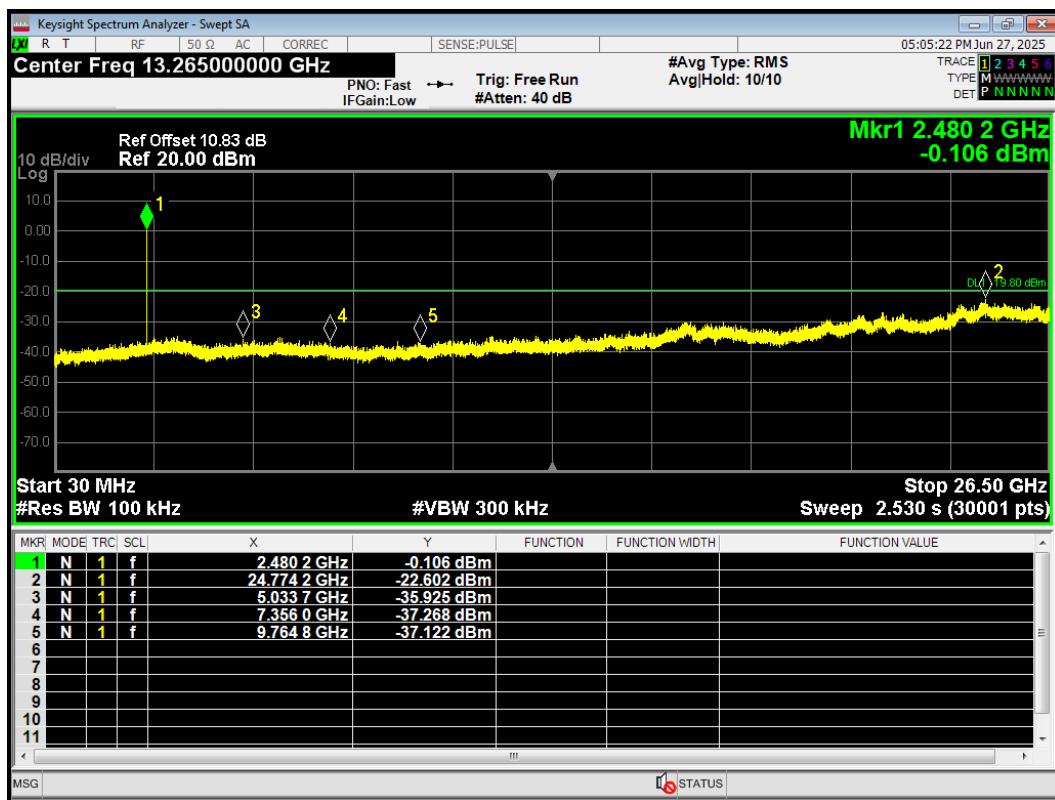
## Tx. Spurious 3-DH5 2441MHz Emission



## Tx. Spurious 3-DH5 2480MHz Ref



## Tx. Spurious 3-DH5 2480MHz Emission



## 5.8 Unwanted Emission

### Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

### Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

9kHz~150 kHz

RBW=200Hz, VBW=1kHz/ Sweep=AUTO

150 kHz~30MHz

RBW=9kHz, VBW=30kHz,/ Sweep=AUTO

Below 1GHz

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz

(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

detector; The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

The dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a “duty cycle correction factor”, derived from  $20\log(\text{dwell time}/100 \text{ ms})$ , in an effort to demonstrate compliance with the 15.209 limit.

If the emission is pulsed, modify the unit for continuous operation; use the settings shown above, then correct the reading by subtracting the peak- average correction factor, derived from the appropriate duty cycle calculation.

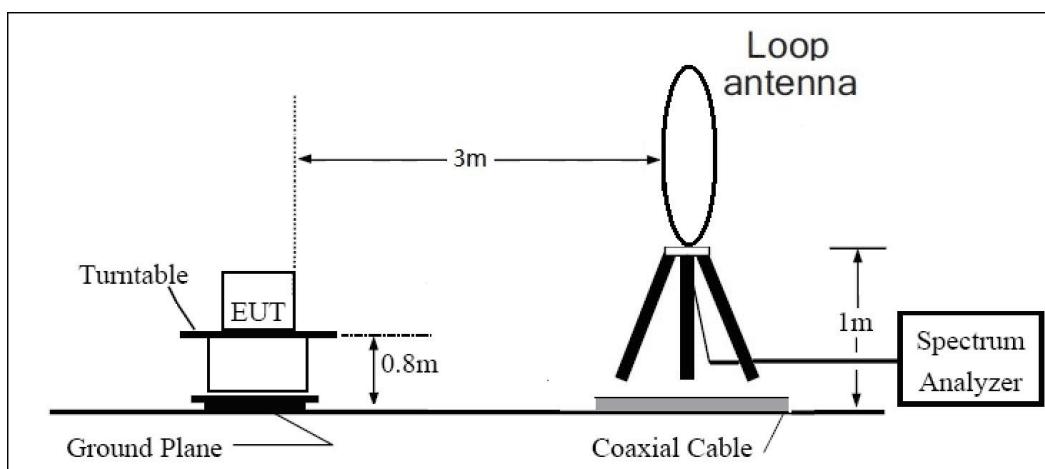
This setting method can refer to **KDB 558074 D01**.

This mode was measured in the following mode: EUT with cradle and EUT without cradle. The worst emission was found in EUT with cradle mode and the worst case was recorded.

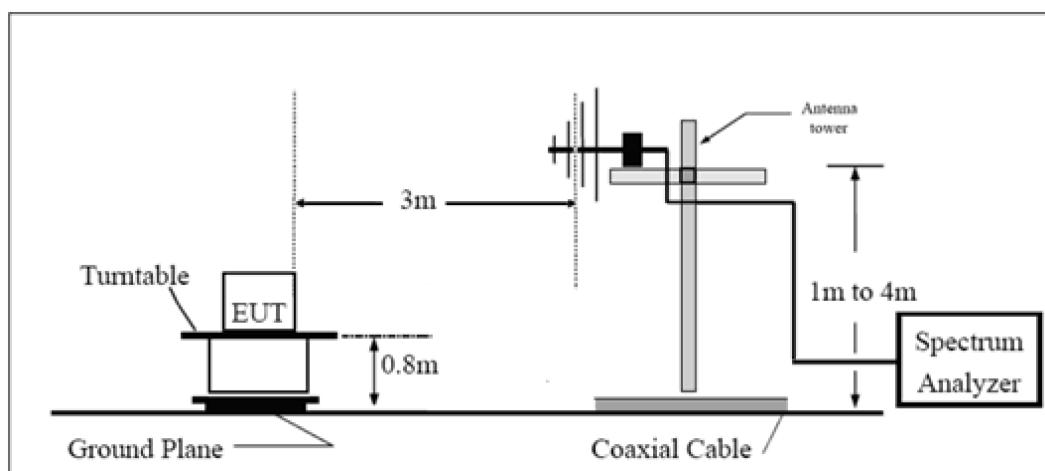
The test is in transmitting mode.

## Test setup

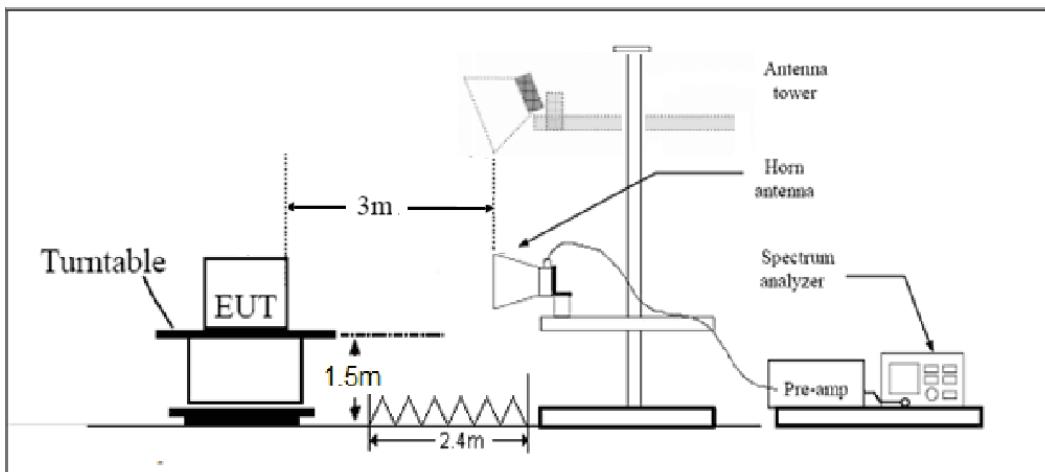
9kHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

**Limits**

Rule Part 15.247(d) specifies that “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)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength( $\mu$ V/m)	Field strength(dB $\mu$ V/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30–88	100	40
88–216	150	43.5
216–960	200	46
Above 960	500	54

**§15.35(b)**

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74dB $\mu$ V/m

Average Limit=54dB $\mu$ V/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
<sup>1</sup> 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	( <sup>2</sup> )
13.36-13.41			

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ .

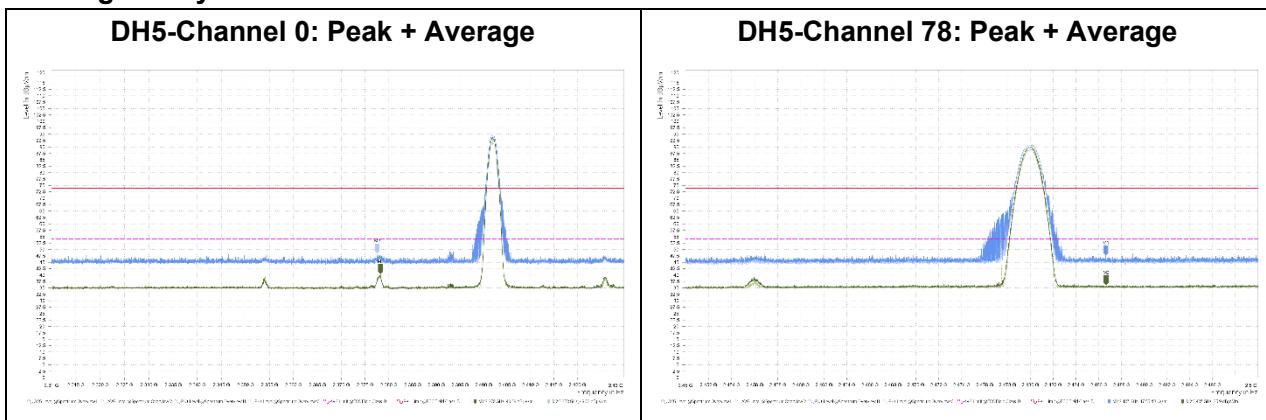
Frequency	Uncertainty
9kHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

**Test Results:**

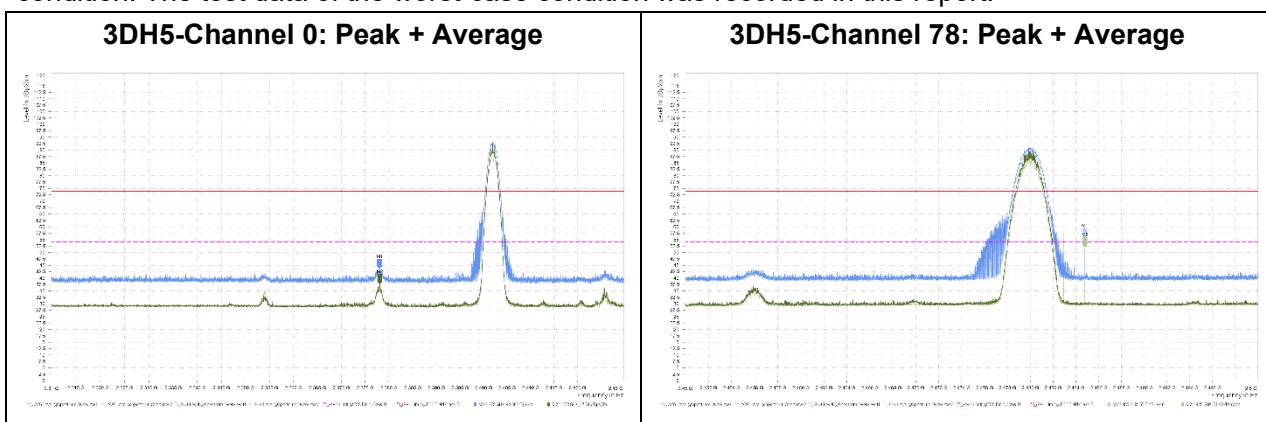
The following graphs display the maximum values of horizontal and vertical by software.

Blue trace uses the peak detection, Green trace uses the average detection.

**The signal beyond the limit is carrier.**



The bandage was performed in all EDR mode (2DH5 and 3DH5), 3DH5 was selected as the worse condition. The test data of the worst-case condition was recorded in this report.



## Result of RE

### Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 18GHz -26.5GHz are more than 20dB below the limit are not reported.

The following graphs display the maximum values of horizontal and vertical by software.

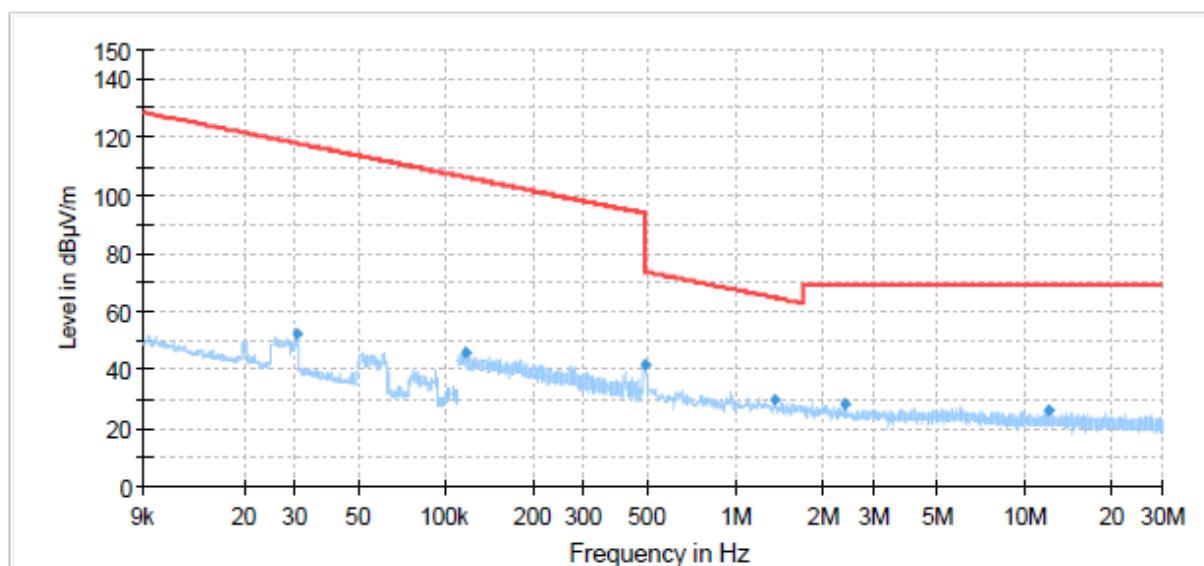
### Continuous TX mode:

#### Remark:

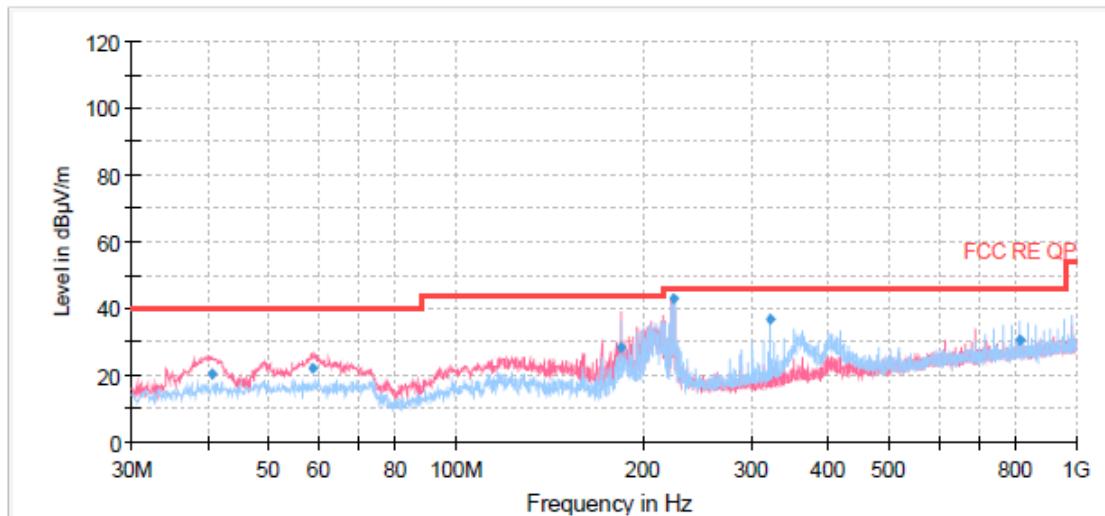
1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit – Quasi-Peak/ MAX Peak/ Average
3. A symbol ( $\text{dB}_{\mu\text{V}/\text{m}}$ ) in the test plot below means ( $\text{dB}_{\mu\text{V}/\text{m}}$ )
4. For below 1GHz



During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



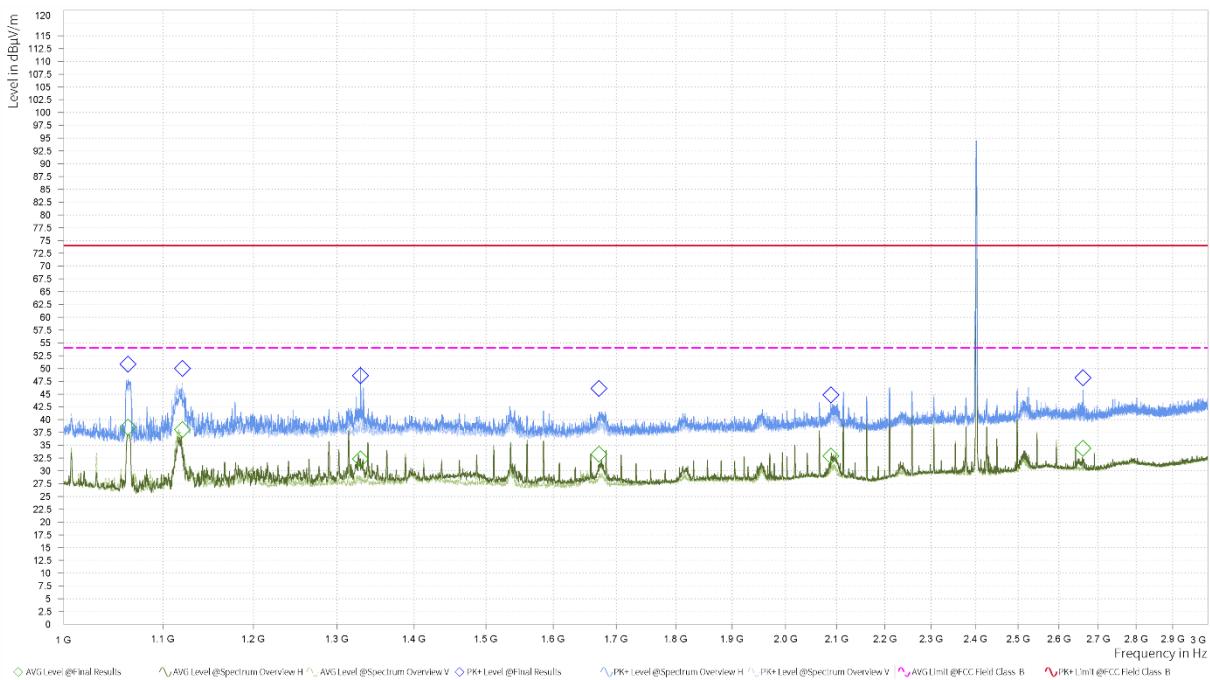
Radiates Emission from 9kHz to 30MHz



## Final Result

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.43	20.41	40.00	19.59	1000.00	102.0	V	0.00	19
58.62	22.31	40.00	17.69	1000.00	102.0	V	52.00	19
184.23	28.36	43.50	15.14	1000.00	102.0	V	56.00	17
224.00	43.22	46.00	2.78	1000.00	100.0	H	110.00	19
320.03	36.55	46.00	9.45	1000.00	101.0	H	106.00	21
811.09	30.44	46.00	15.56	1000.00	102.0	H	217.00	30

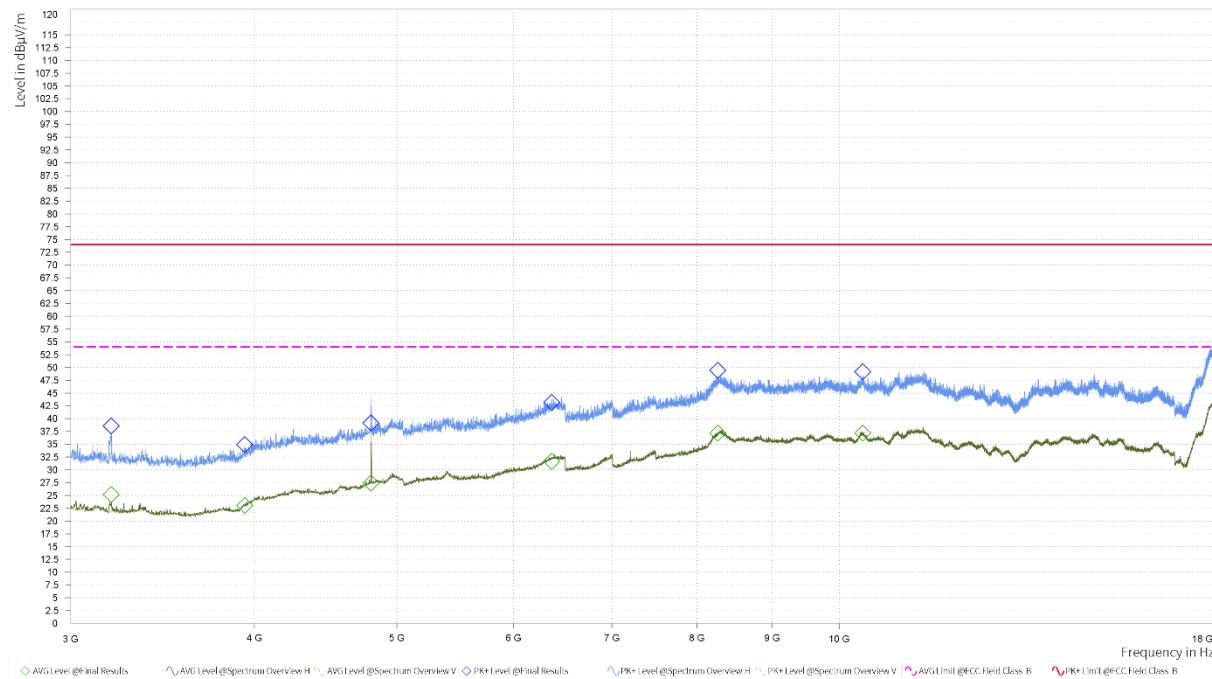
Radiates Emission from 30MHz to 1GHz

**DH5-Channel 0**


Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1,063.750	50.82	74.00	23.18	38.49	54.00	15.51	-5.67	H	327.9	2.00	1.000
1	1,120.750	49.96	74.00	24.04	38.02	54.00	15.98	-5.51	V	298.7	2.00	1.000
1	1,329.750	48.55	74.00	25.45	32.30	54.00	21.70	-4.26	H	312.7	1.00	1.000
1	1,671.750	46.05	74.00	27.95	33.23	54.00	20.77	-3.93	H	314.5	2.00	1.000
1	2,089.000	44.82	74.00	29.18	32.89	54.00	21.11	-1.51	H	176.8	1.00	1.000
1	2,660.750	48.16	74.00	25.84	34.38	54.00	19.62	0.41	H	0.4	1.00	1.000

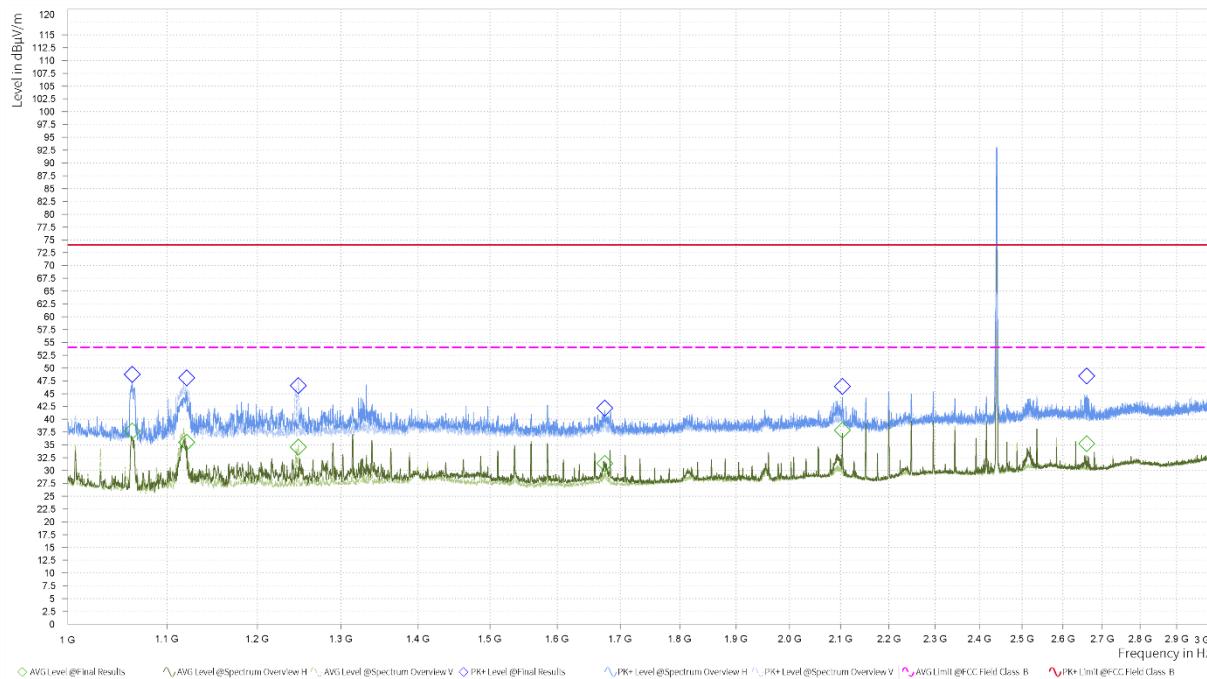
Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,196.875	38.56	74.00	35.44	25.14	54.00	28.86	-7.90	H	19.7	2.00	1.000
3,939.375	34.88	74.00	39.12	23.00	54.00	31.00	-6.33	V	331.6	2.00	1.000
4,801.875	39.14	74.00	34.86	27.38	54.00	26.62	-1.91	V	288.3	2.00	1.000
6,371.250	43.16	74.00	30.84	31.61	54.00	22.39	1.52	H	41.4	2.00	1.000
8,265.000	49.38	74.00	24.62	37.15	54.00	16.85	6.34	V	273.8	2.00	1.000
10,368.750	49.15	74.00	24.85	37.16	54.00	16.84	6.26	H	193.3	2.00	1.000

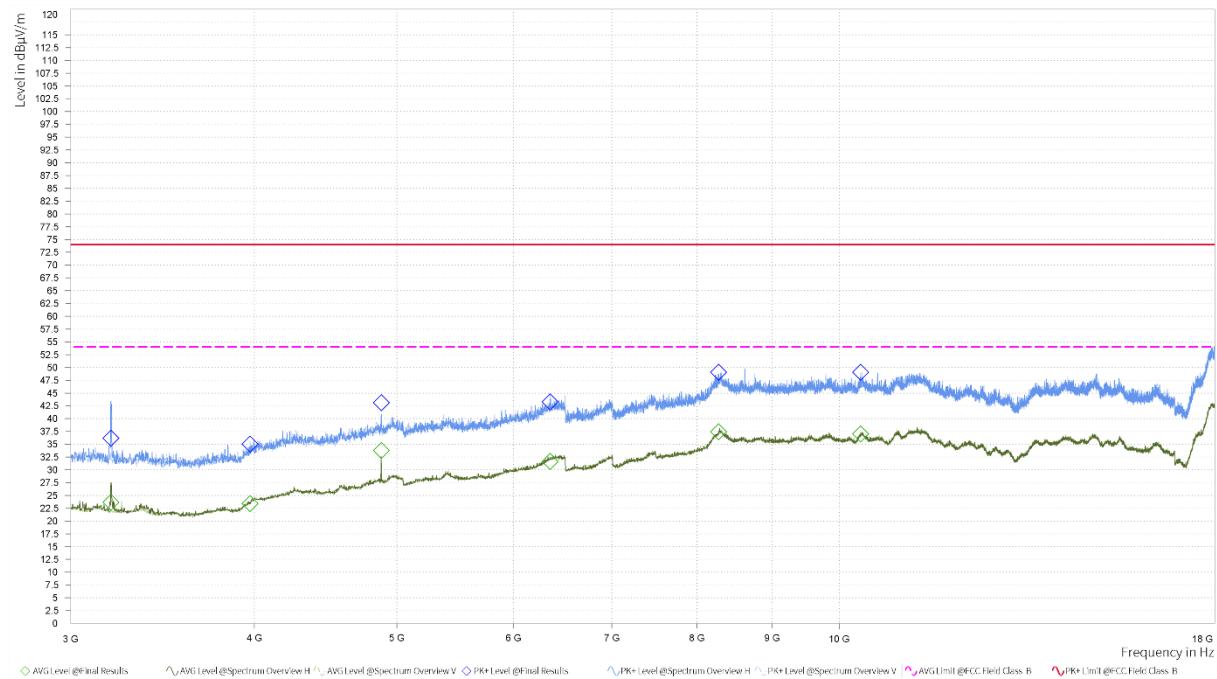
Radiates Emission from 3GHz to 18GHz

**DH5-Channel 39**


Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1,064.000	48.74	74.00	25.26	37.66	54.00	16.34	-5.67	H	330.9	2.00	1.000
1	1,121.250	48.07	74.00	25.93	35.45	54.00	18.55	-5.50	V	311.5	1.00	1.000
1	1,248.000	46.55	74.00	27.45	34.53	54.00	19.47	-4.28	V	43.1	2.00	1.000
1	1,674.750	42.18	74.00	31.82	31.38	54.00	22.62	-3.93	H	248.5	2.00	1.000
1	2,104.000	46.41	74.00	27.59	37.80	54.00	16.20	-1.60	H	180.1	1.00	1.000
1	2,660.500	48.42	74.00	25.58	35.21	54.00	18.79	0.41	H	0	1.00	1.000

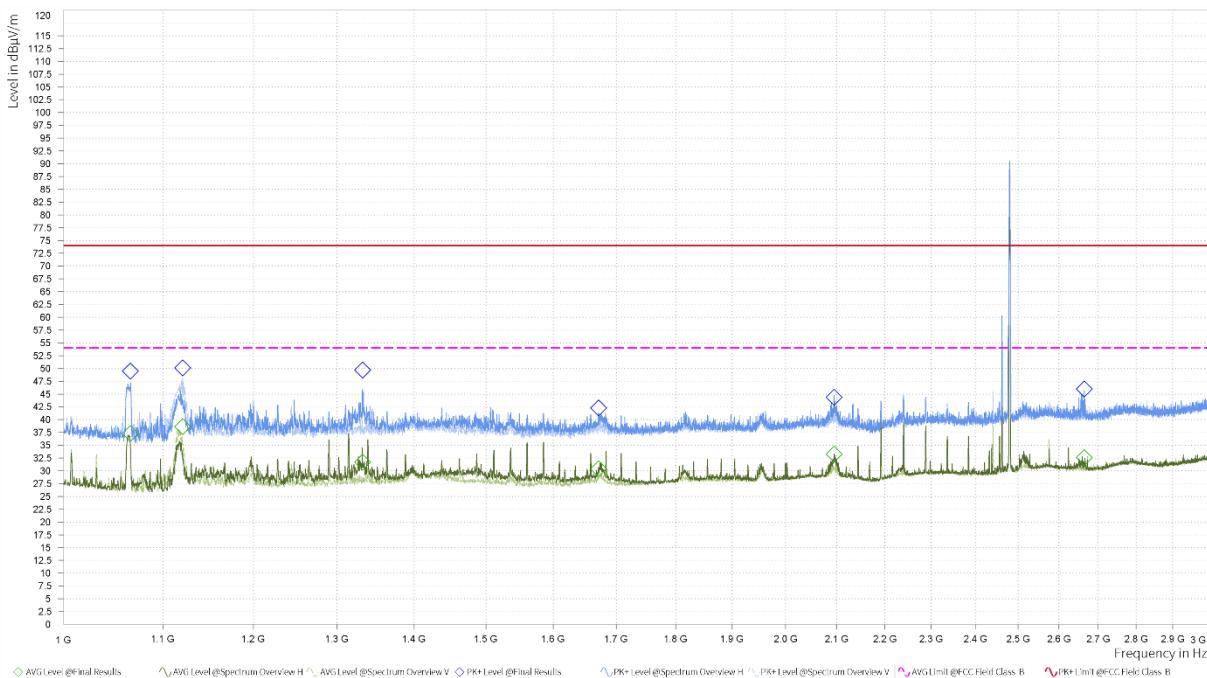
Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,195.000	36.18	74.00	37.82	23.65	54.00	30.35	-7.90	H	331	2.00	1.000
3,973.125	35.02	74.00	38.98	23.38	54.00	30.62	-5.93	V	80.7	2.00	1.000
4,880.625	43.10	74.00	30.90	33.75	54.00	20.25	-1.81	H	302	2.00	1.000
6,356.250	43.26	74.00	30.74	31.60	54.00	22.40	1.47	V	356.2	2.00	1.000
8,274.375	49.07	74.00	24.93	37.42	54.00	16.58	6.47	H	76.2	2.00	1.000
10,335.000	49.02	74.00	24.98	36.98	54.00	17.02	6.10	V	255.5	2.00	1.000

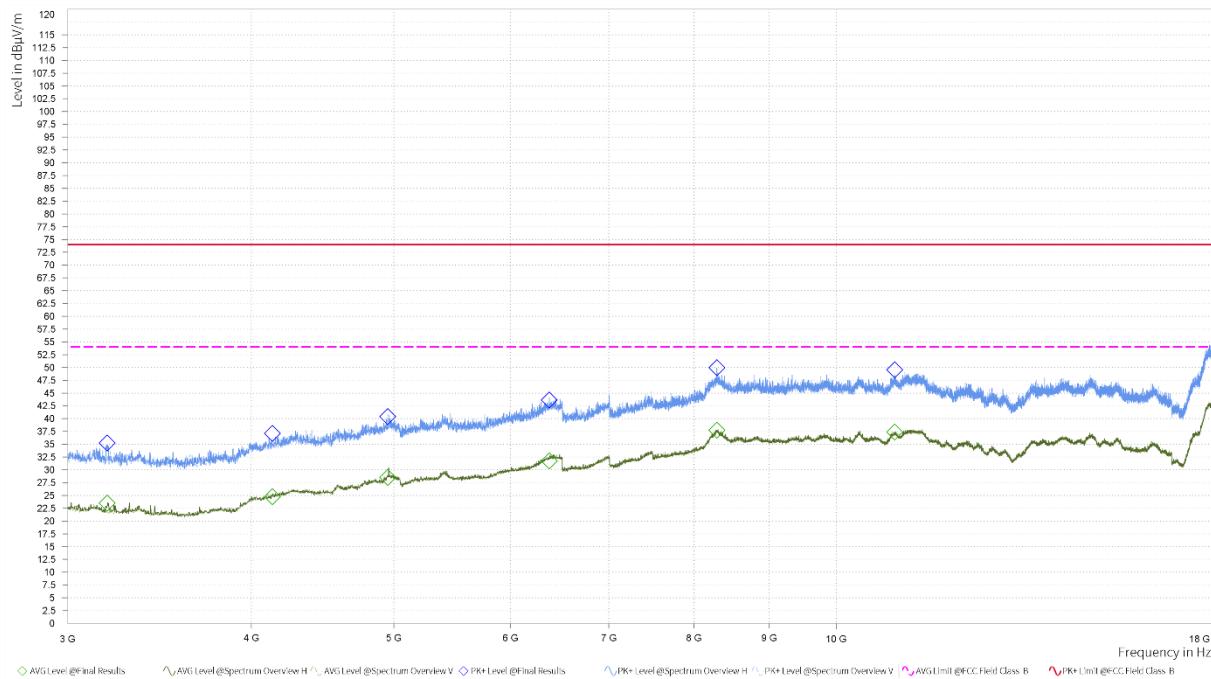
Radiates Emission from 3GHz to 18GHz

**DH5-Channel 78**


Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1,066.250	49.47	74.00	24.53	37.27	54.00	16.73	-5.67	H	342.1	2.00	1.000
1	1,121.000	50.11	74.00	23.89	38.59	54.00	15.41	-5.51	V	291.6	2.00	1.000
1	1,332.500	49.67	74.00	24.33	31.67	54.00	22.33	-4.25	H	325.2	1.00	1.000
1	1,671.250	42.28	74.00	31.72	30.35	54.00	23.65	-3.93	H	286	2.00	1.000
1	2,095.500	44.36	74.00	29.64	33.21	54.00	20.79	-1.55	H	360	2.00	1.000
1	2,664.500	45.97	74.00	28.03	32.58	54.00	21.42	0.40	H	360	2.00	1.000

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

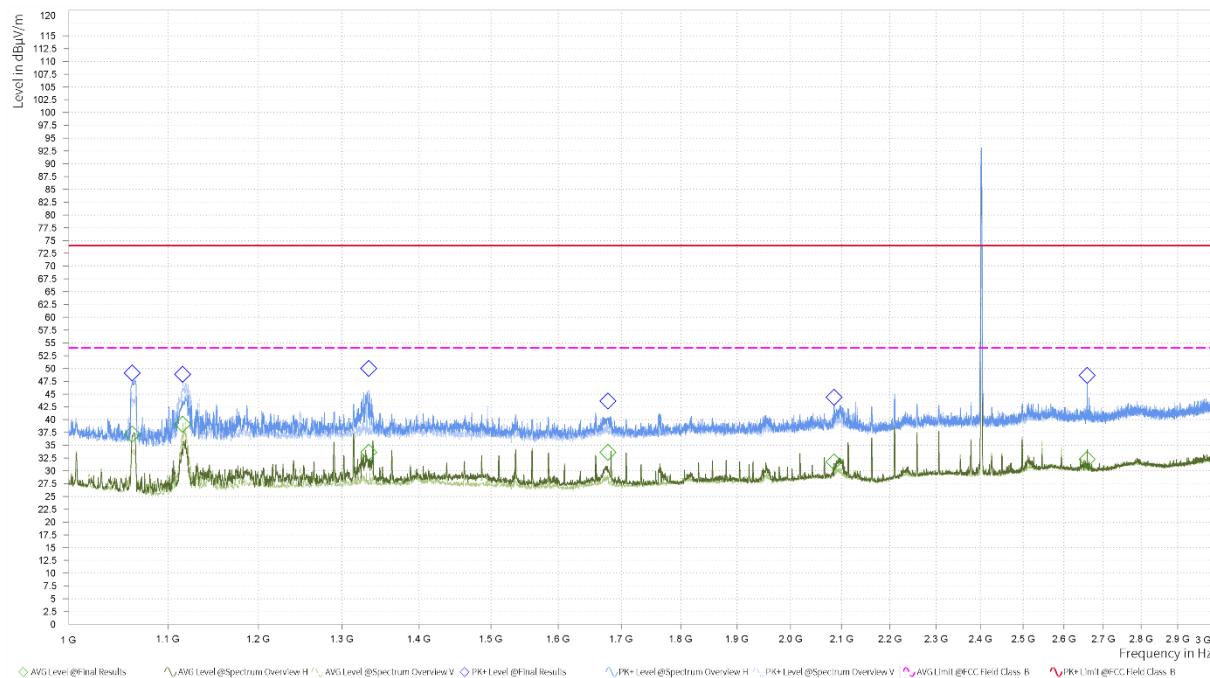


Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,191.250	35.19	74.00	38.81	23.50	54.00	30.50	-7.90	H	4.3	2.00	1.000
4,134.375	37.08	74.00	36.92	24.72	54.00	29.28	-4.95	V	182.7	2.00	1.000
4,951.875	40.40	74.00	33.60	28.47	54.00	25.53	-1.03	V	102.1	2.00	1.000
6,376.875	43.63	74.00	30.37	31.70	54.00	22.30	1.54	V	146.4	2.00	1.000
8,291.250	49.93	74.00	24.07	37.73	54.00	16.27	6.70	H	32.3	2.00	1.000
10,953.750	49.49	74.00	24.51	37.34	54.00	16.66	6.76	H	46.6	2.00	1.000

Radiates Emission from 3GHz to 18GHz

The Radiates Emission was performed in all EDR mode(2DH5 and 3DH5), 3DH5 was selected as the worse condition. The test data of the worst-case condition was recorded in this report.

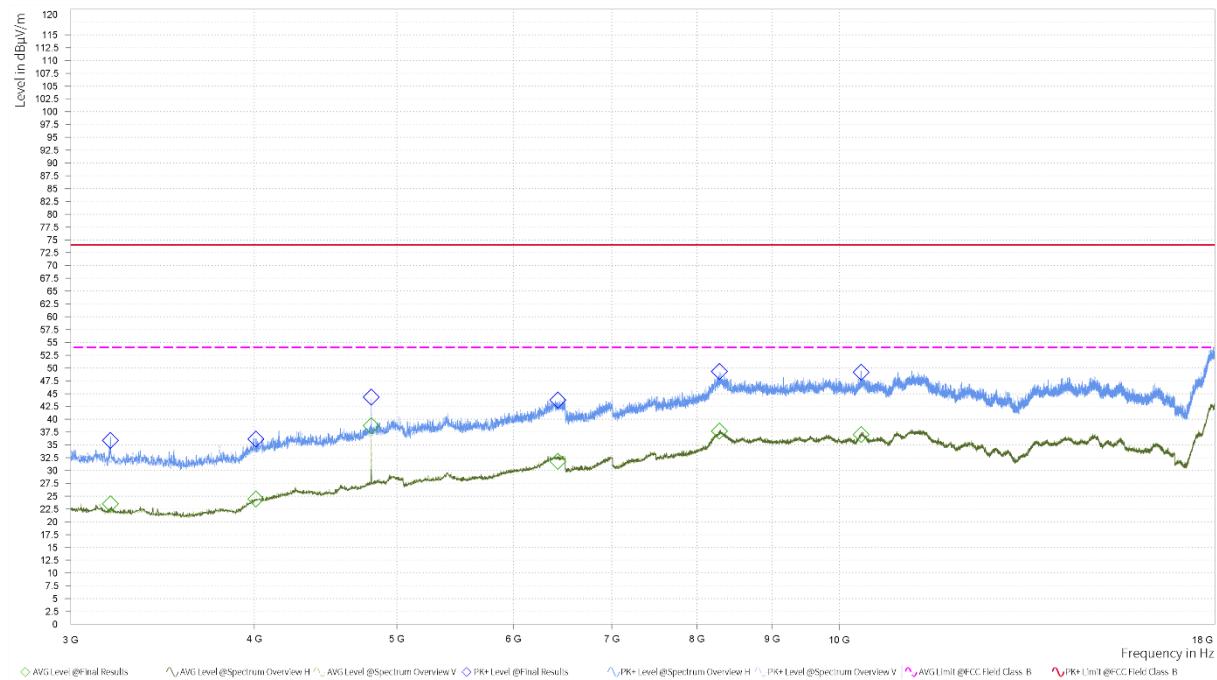
## 3DH5-Channel 0



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1,063.000	49.12	74.00	24.88	37.15	54.00	16.85	-5.67	H	330.4	2.00	1.000
1	1,115.750	48.81	74.00	25.19	39.10	54.00	14.90	-5.62	V	288.6	2.00	1.000
1	1,334.000	49.98	74.00	24.02	33.59	54.00	20.41	-4.24	H	345.2	2.00	1.000
1	1,678.250	43.64	74.00	30.36	33.57	54.00	20.43	-3.94	H	192.4	2.00	1.000
1	2,085.500	44.33	74.00	29.67	31.73	54.00	22.27	-1.49	H	357	2.00	1.000
1	2,658.750	48.60	74.00	25.40	32.23	54.00	21.77	0.42	H	5.3	2.00	1.000

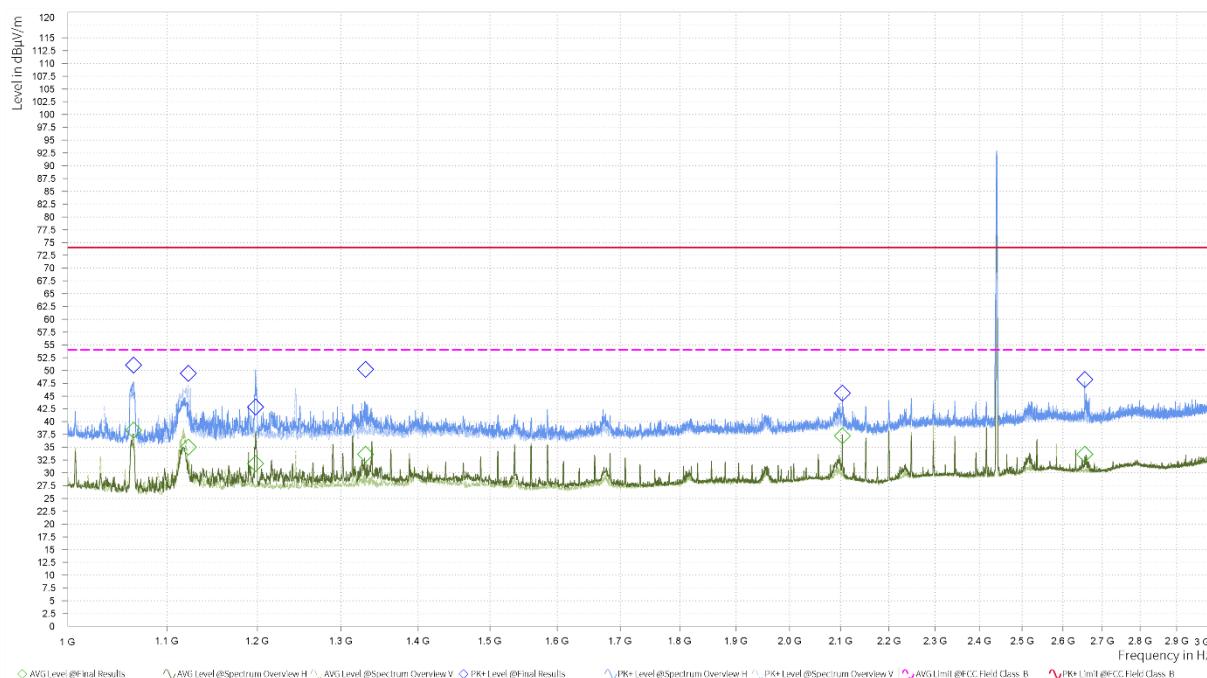
Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Frequency [MHz]	PK+ Level [dB $\mu$ V/m]	PK+ Limit [dB $\mu$ V/m]	PK+ Margin [dB]	AVG Level [dB $\mu$ V/m]	AVG Limit [dB $\mu$ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,193.125	35.86	74.00	38.14	23.48	54.00	30.52	-7.90	H	0.7	2.00	1.000
4,010.625	36.11	74.00	37.89	24.44	54.00	29.56	-5.48	H	74.7	2.00	1.000
4,803.750	44.30	74.00	29.70	38.70	54.00	15.30	-1.91	V	287.2	2.00	1.000
6,433.125	43.72	74.00	30.28	31.78	54.00	22.22	1.50	V	132.1	2.00	1.000
8,285.625	49.30	74.00	24.70	37.66	54.00	16.34	6.62	V	294.3	2.00	1.000
10,342.500	49.12	74.00	24.88	37.01	54.00	16.99	6.15	H	3.2	2.00	1.000

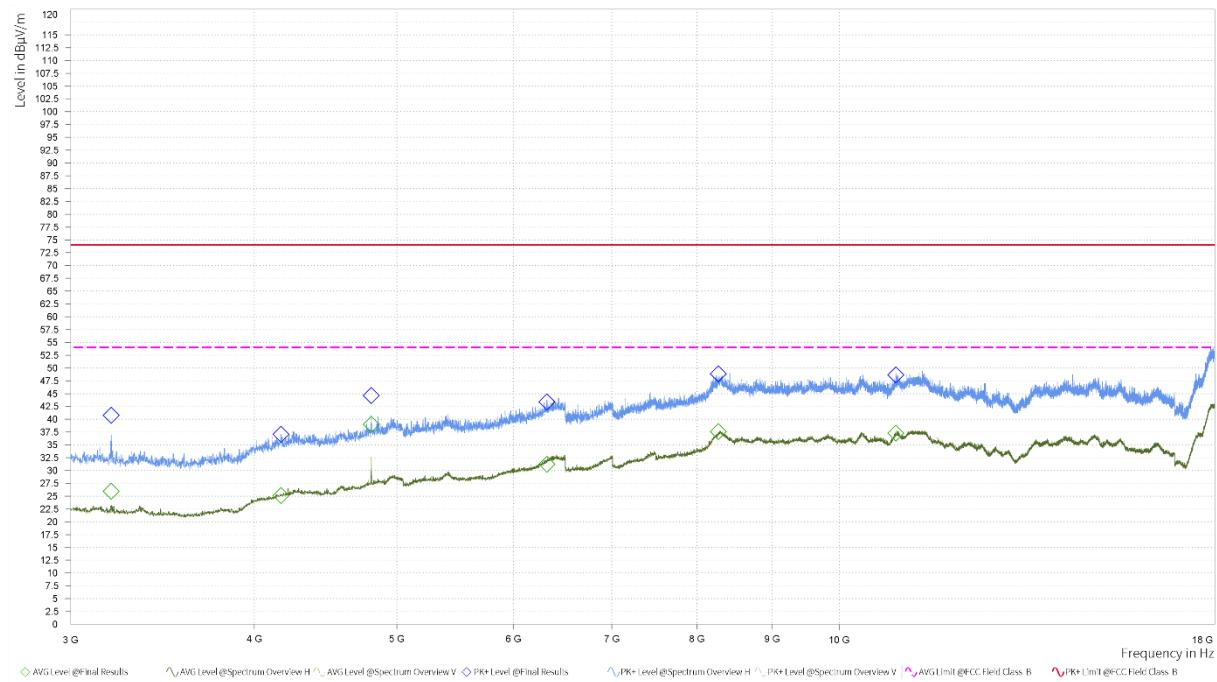
Radiates Emission from 3GHz to 18GHz



Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1,065.250	51.04	74.00	22.96	38.28	54.00	15.72	-5.67	H	322.8	2.00	1.000
1	1,122.750	49.40	74.00	24.60	35.03	54.00	18.97	-5.47	V	296	2.00	1.000
1	1,197.750	42.84	74.00	31.16	31.75	54.00	22.25	-4.74	H	15	2.00	1.000
1	1,331.250	50.21	74.00	23.79	33.60	54.00	20.40	-4.25	H	73.7	1.00	1.000
1	2,104.000	45.56	74.00	28.44	37.22	54.00	16.78	-1.60	H	181	1.00	1.000
1	2,655.500	48.23	74.00	25.77	33.60	54.00	20.40	0.43	H	0.8	1.00	1.000

Note: The signal beyond the limit is carrier.

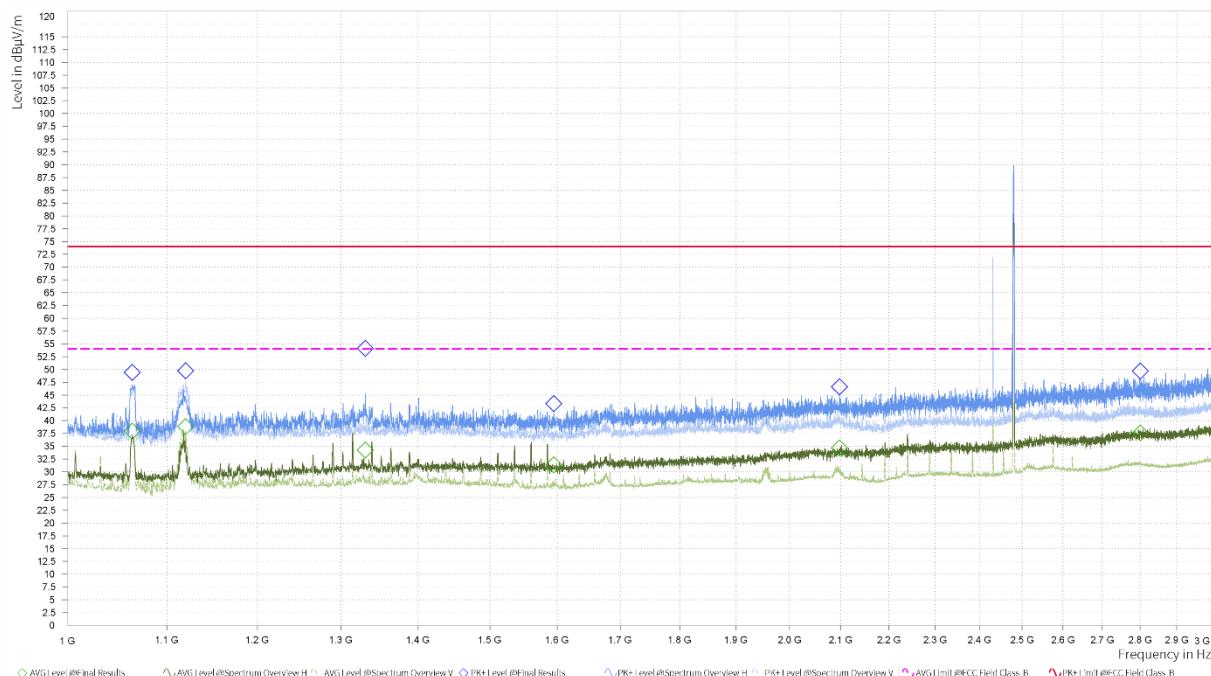
Radiates Emission from 1GHz to 3GHz



Frequency [MHz]	PK+ Level [dB $\mu$ V/m]	PK+ Limit [dB $\mu$ V/m]	PK+ Margin [dB]	AVG Level [dB $\mu$ V/m]	AVG Limit [dB $\mu$ V/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,196.875	40.72	74.00	33.28	25.92	54.00	28.08	-7.90	H	27.1	2.00	1.000
4,170.000	37.06	74.00	36.94	25.09	54.00	28.91	-4.42	H	130.8	2.00	1.000
4,803.750	44.61	74.00	29.39	38.99	54.00	15.01	-1.91	V	288.1	2.00	1.000
6,324.375	43.37	74.00	30.63	31.18	54.00	22.82	1.18	H	12.6	2.00	1.000
8,272.500	48.81	74.00	25.19	37.57	54.00	16.43	6.44	V	229.3	2.00	1.000
10,923.750	48.64	74.00	25.36	37.28	54.00	16.72	6.64	H	189.7	2.00	1.000

Radiates Emission from 3GHz to 18GHz

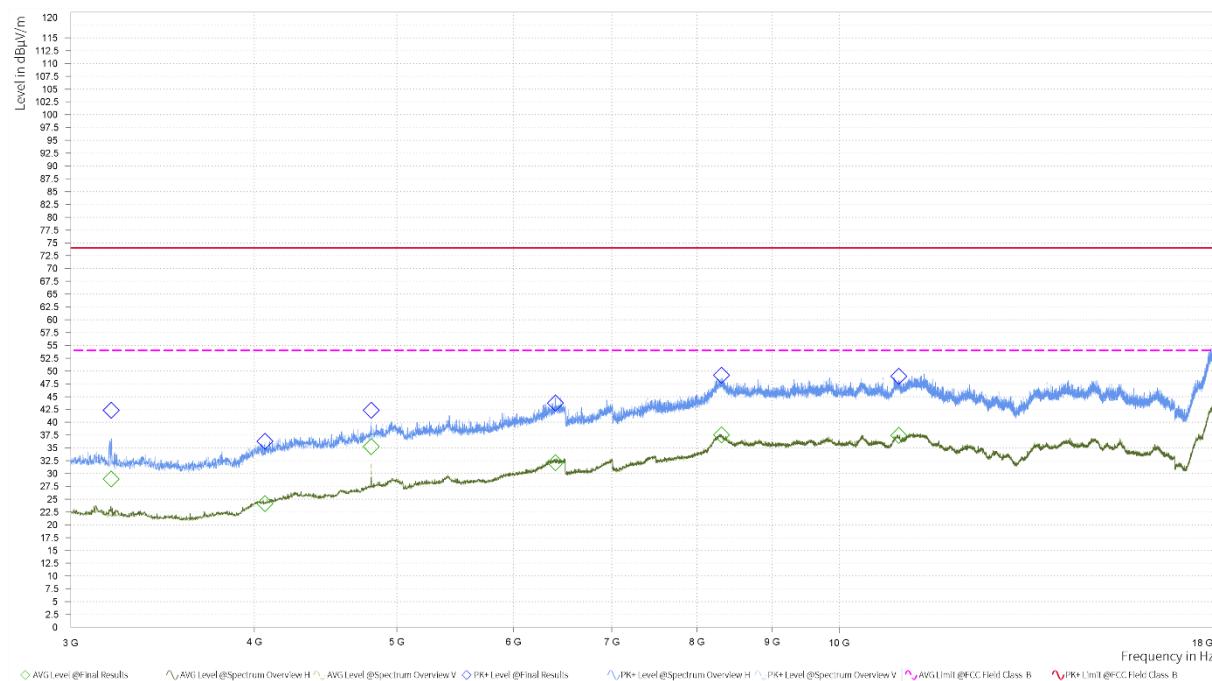
## 3DH5-Channel 78



Ref	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1	1.064.000	49.42	74.00	24.58	37.95	54.00	16.05	-5.67	H	335.1	2.00	1.000
1	1.120.000	49.70	74.00	24.30	38.82	54.00	15.18	-5.53	V	294.9	2.00	1.000
1	1.330.750	54.10	74.00	19.90	34.23	54.00	19.77	-4.26	H	346	1.00	1.000
1	1.595.000	43.31	74.00	30.69	31.36	54.00	22.64	-4.19	H	0	1.00	1.000
1	2.098.250	46.58	74.00	27.42	34.63	54.00	19.37	-1.57	H	0	1.00	1.000
1	2.801.000	49.66	74.00	24.34	37.58	54.00	16.42	1.46	H	0	1.00	1.000

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	Avg Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,196.875	42.30	74.00	31.70	28.90	54.00	25.10	-7.90	H	25.6	2.00	1.000
4,066.875	36.27	74.00	37.73	24.11	54.00	29.89	-5.54	V	179.5	2.00	1.000
4,803.750	42.31	74.00	31.69	35.24	54.00	18.76	-1.91	V	283.5	2.00	1.000
6,408.750	43.71	74.00	30.29	32.06	54.00	21.94	1.64	H	47.8	2.00	1.000
8,313.750	49.15	74.00	24.85	37.52	54.00	16.48	6.50	V	358.9	2.00	1.000
10,972.500	48.94	74.00	25.06	37.40	54.00	16.60	6.61	H	180.4	2.00	1.000

Radiates Emission from 3GHz to 18GHz

## 5.9 Conducted Emission

### Ambient condition

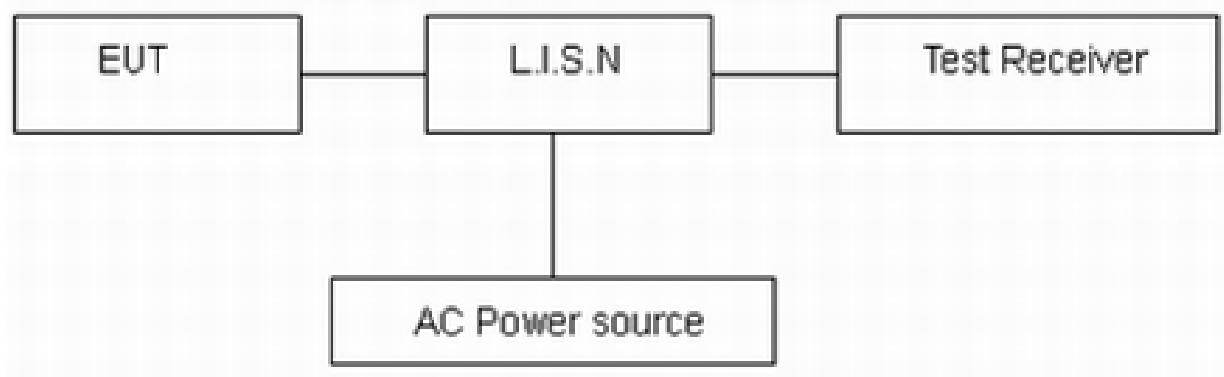
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

### Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz. The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



Note: AC Power source is used to 120V/60Hz.

### Limits

Frequency (MHz)	Conducted Limits(dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

\*: Decreases with the logarithm of the frequency.

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U=2.69$  dB.

## Test Results:

Following plots, Blue trace uses the peak detection, Green trace uses the average detection.

During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.

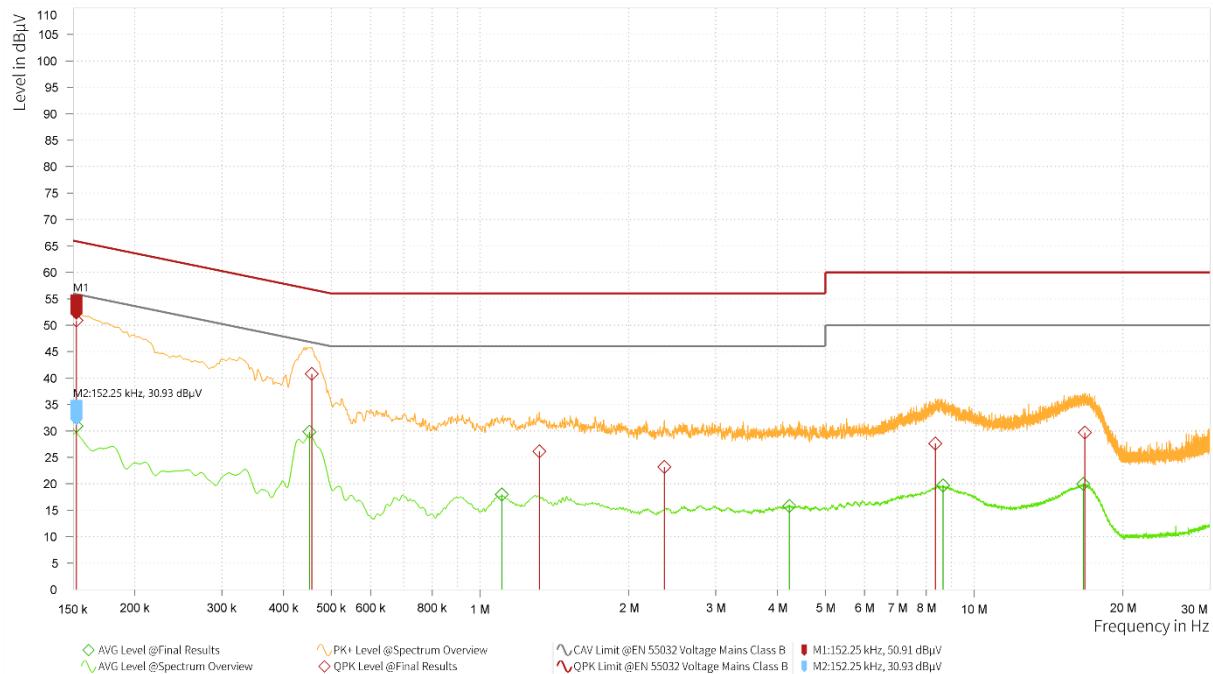


Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	51.73	65.88	14.14	31.50	55.88	24.38	20.90	L1	9.000	1.000
0.454				29.59	46.81	17.21	20.82	L1	9.000	1.000
0.456	41.07	56.77	15.70				20.82	L1	9.000	1.000
0.915	26.57	56.00	29.43				20.23	L1	9.000	1.000
1.088				17.88	46.00	28.12	20.09	L1	9.000	1.000
2.756	23.37	56.00	32.63				19.51	L1	9.000	1.000
2.760				15.94	46.00	30.06	19.51	L1	9.000	1.000
8.500	27.60	60.00	32.40				19.41	L1	9.000	1.000
8.615				19.61	50.00	30.39	19.41	L1	9.000	1.000
16.769	29.71	60.00	30.29				19.56	L1	9.000	1.000
16.838				19.85	50.00	30.15	19.56	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line

Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	50.91	65.88	14.96	30.93	55.88	24.94	20.91	N	9.000	1.000
0.452				29.82	46.85	17.03	20.83	N	9.000	1.000
0.456	40.79	56.77	15.98				20.83	N	9.000	1.000
1.106				17.96	46.00	28.04	20.09	N	9.000	1.000
1.318	26.12	56.00	29.88				19.95	N	9.000	1.000
2.360	23.17	56.00	32.83				19.58	N	9.000	1.000
4.225				15.79	46.00	30.21	19.43	N	9.000	1.000
8.349	27.60	60.00	32.40				19.42	N	9.000	1.000
8.651				19.70	50.00	30.30	19.42	N	9.000	1.000
16.629				19.96	50.00	30.04	19.59	N	9.000	1.000
16.748	29.67	60.00	30.33				19.59	N	9.000	1.000

**Remark: Correct factor=cable loss + LISN factor**

N line Conducted Emission from 150 kHz to 30 MHz

## 6 Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2024-05-07	2025-05-06
				2025-05-06	2026-05-05
EMI Test Receiver	R&S	ESCI3	100948	2024-05-07	2025-05-06
				2025-05-07	2026-05-06
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2023-07-14	2026-07-13
Signal Analyzer	R&S	FSV40	101298	2024-05-07	2025-05-06
				2025-05-07	2026-05-06
Horn Antenna	R&S	HF 907	102723	2023-11-24	2026-11-23
Amplifier	R&S	SCU18	10034	2024-05-08	2025-05-07
		SCU18F	101022	2025-05-06	2026-05-05
Horn Antenna	ETS-Lindgren	3160-09	00102643	2024-09-24	2027-09-23
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2024-05-07	2025-05-06
				2025-05-06	2026-05-05
Software	R&S	EMC32	10.35.10	/	/

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

\*\*\*\*\* END OF REPORT \*\*\*\*\*