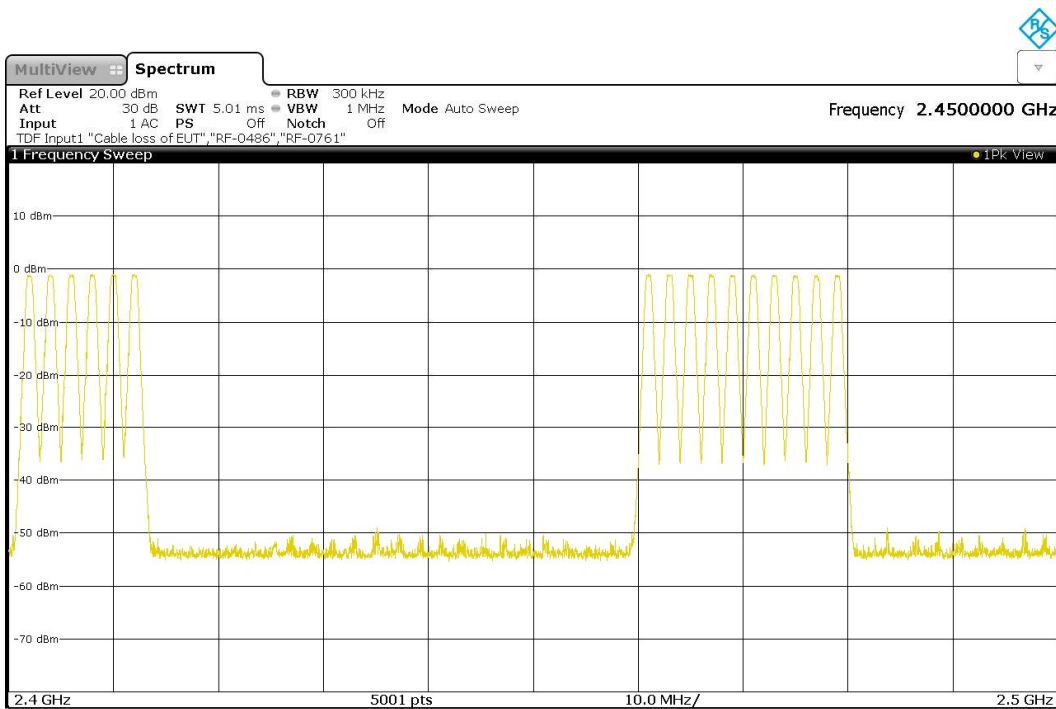


Table 26: Number of Hopping Frequencies, Inquiry

Number of Hopping Frequencies	Limit
16	15

Figure 28: Hopping Frequencies, Inquiry



17:29:45 24.01.2021

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5.2.6 Average Time of Occupancy

RESULT:

PASS

Date of testing: 2021-01-25

Ambient temperature: 20°C

Relative humidity: 47%

Atmospheric pressure: 1022hPa

Requirements:

FCC 15.247(a)(1)(iii)

For frequency hopping systems operating in the 2400-2483.5MHz band, the average time of occupancy on any channel shall not be greater than 0.4s within a period of 0.4s multiplied by the number of hopping channels employed.

Test procedure:

ANSI C63.10 §7.8.4.

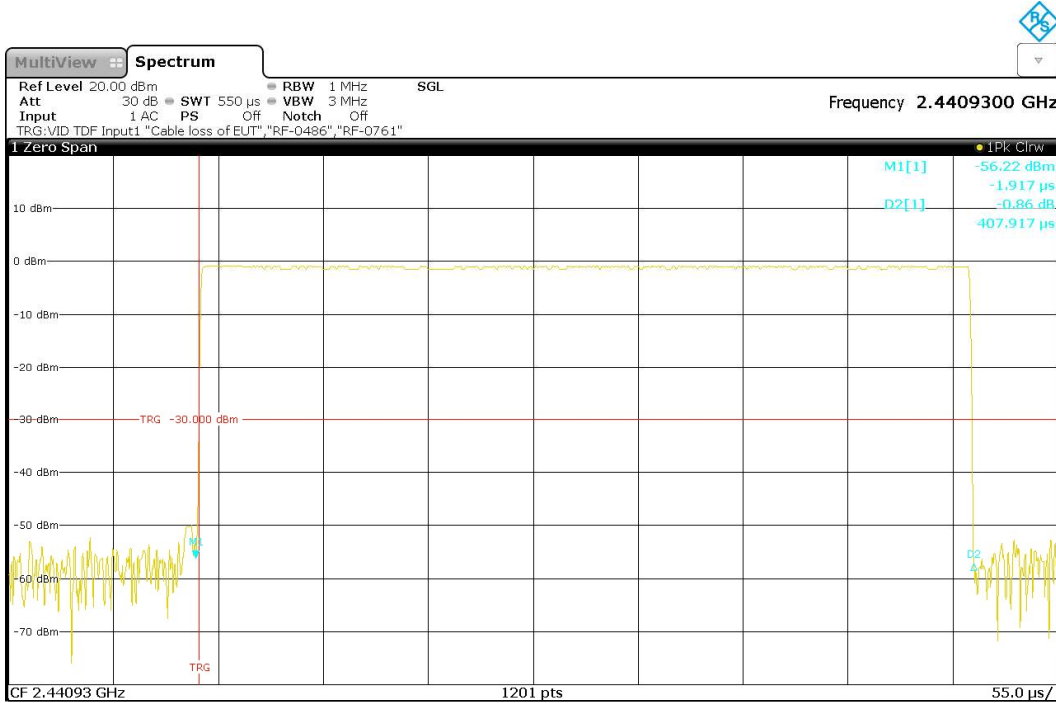
A spectrum analyzer was connected to the antenna port of the EUT. The analyzer was set in zero span mode centered on a hopping channel. The dwell time of a single packet was measured first with the Delta Marker function.

Table 27: Average Time of Occupancy, DH

Packet Type	Packet Duration [ms]	Measured Number of Hops per Channel in 5s Period	Calculated Number of Hops per Channel in 31.6s Period	Average Time of Occupancy in 31.6s Period [ms]	Limit [ms]
DH1	0.408	52	328.64	134.06	400
DH3	1.676	29	183.28	307.15	400
DH5	2.976	18	113.76	338.53	400

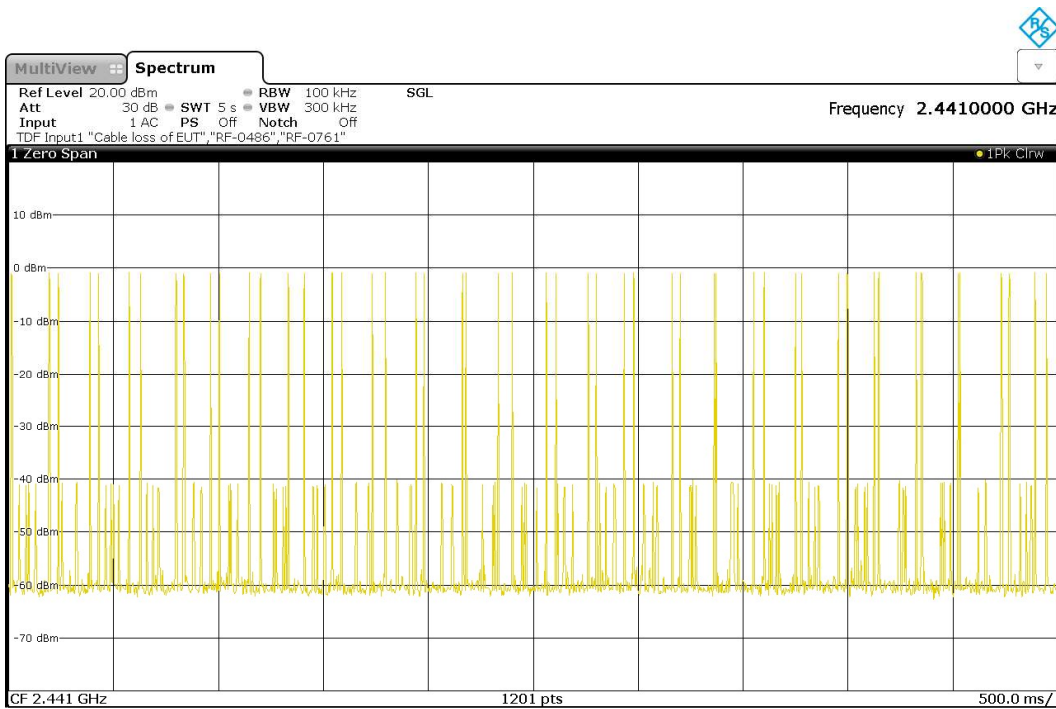
Note: Calculated number of hops per channel in 31.6s period = Measured number of hops per channel in 5s period \times (31.6s / 5s)
Average time of occupancy in 31.6s period = Packet duration \times Calculated number of hops per channel in 31.6s period

Figure 29: Package Duration, Mode H, DH1



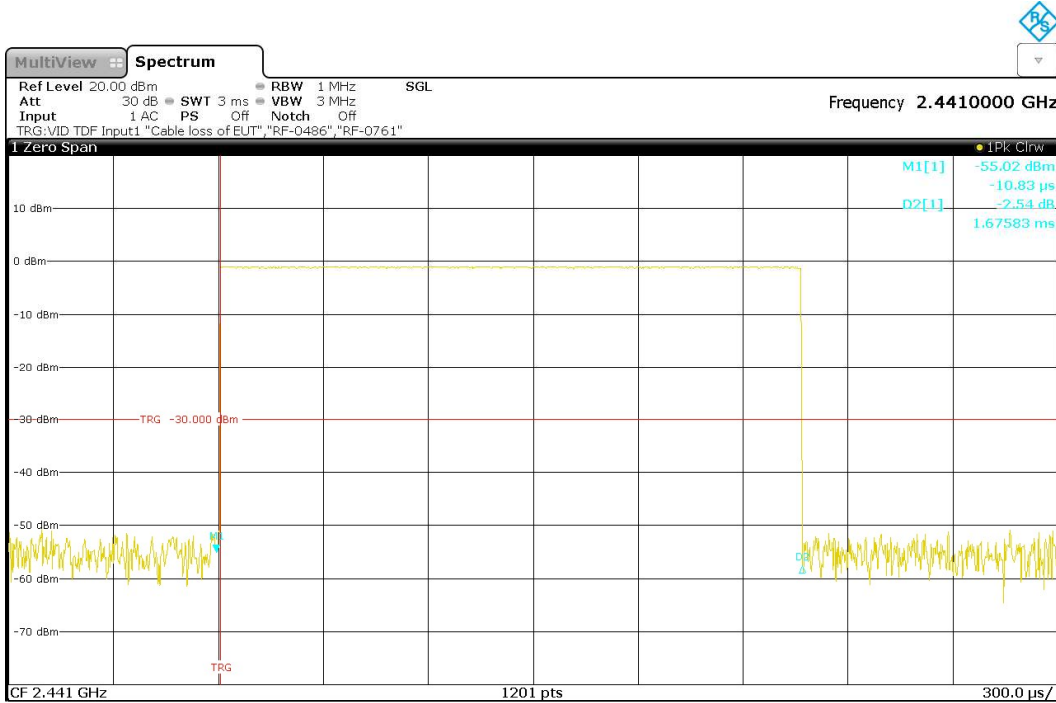
09:00:27 25.01.2021

Figure 30: Number of Hops, Mode H, DH1



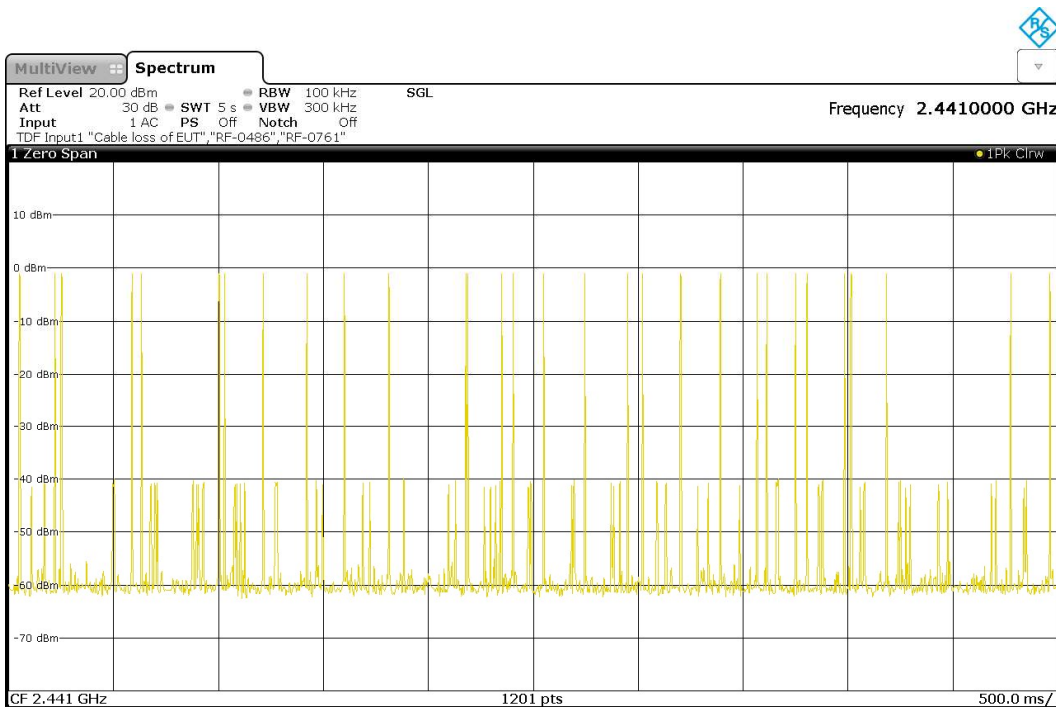
09:03:16 25.01.2021

Figure 31: Package Duration, Mode H, DH3



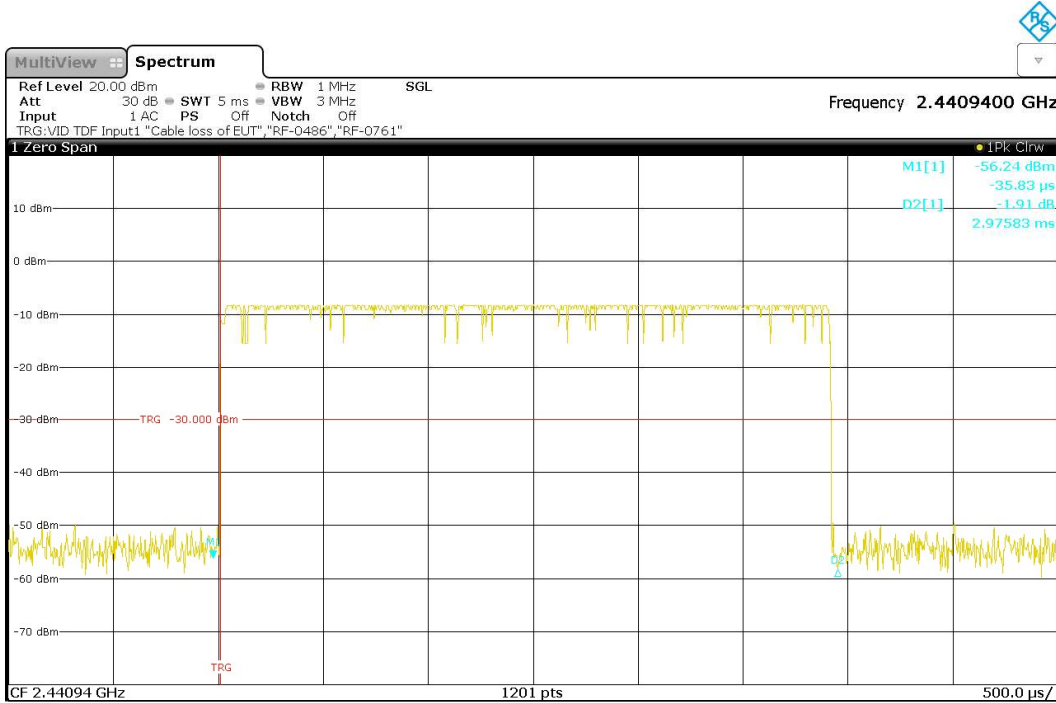
09:49:33 25.01.2021

Figure 32: Number of Hops, Mode H, DH3



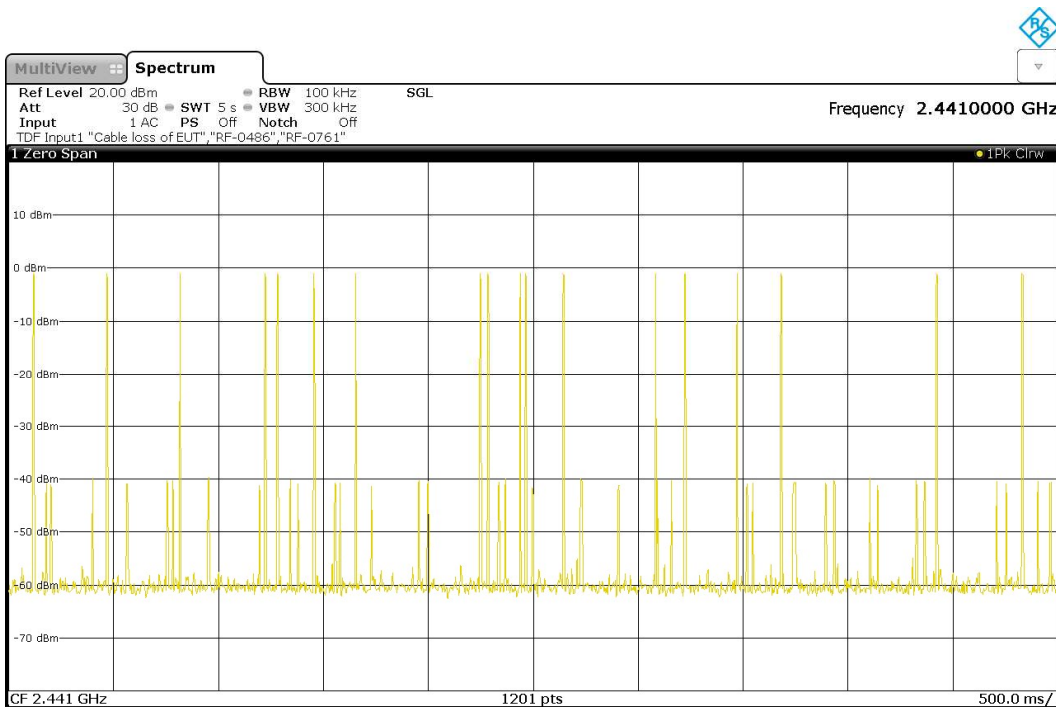
09:06:48 25.01.2021

Figure 33: Package Duration, Mode H, DH5



09:51:42 25.01.2021

Figure 34: Number of Hops, Mode H, DH5



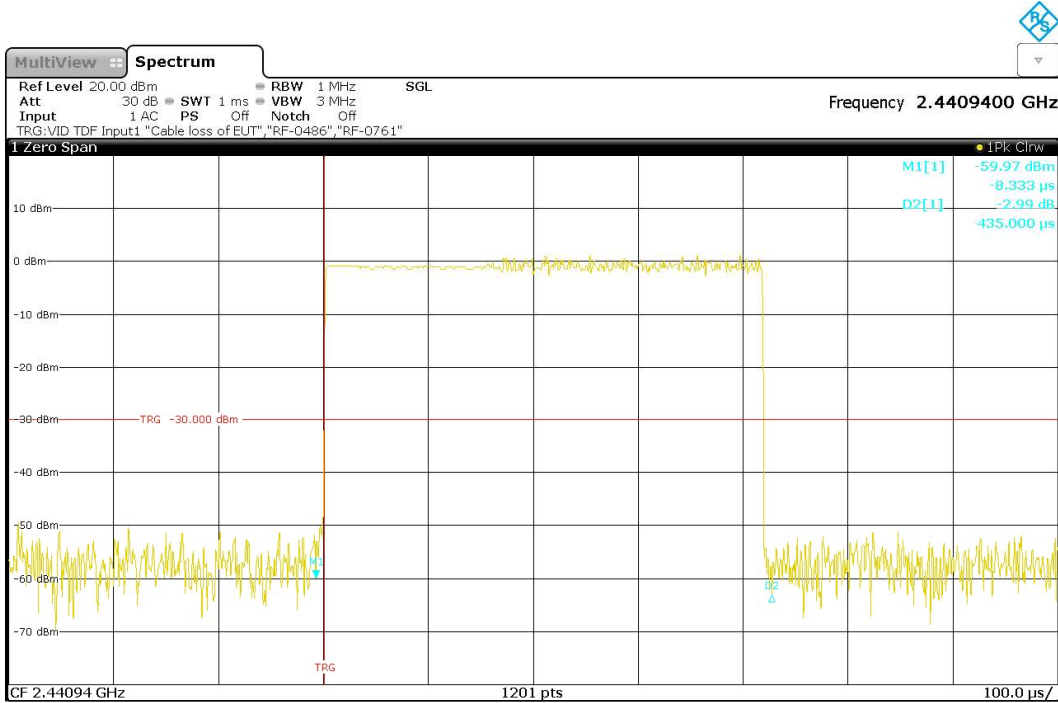
09:08:32 25.01.2021

Table 28: Average Time of Occupancy, 3DH

Packet Type	Packet Duration [ms]	Measured Number of Hops per Channel in 5s Period	Calculated Number of Hops per Channel in 31.6s Period	Average Time of Occupancy in 31.6s Period [ms]	Limit [ms]
3DH1	0.435	50	316.00	137.46	400
3DH3	1.690	26	164.32	277.70	400
3DH5	2.965	19	120.08	356.04	400

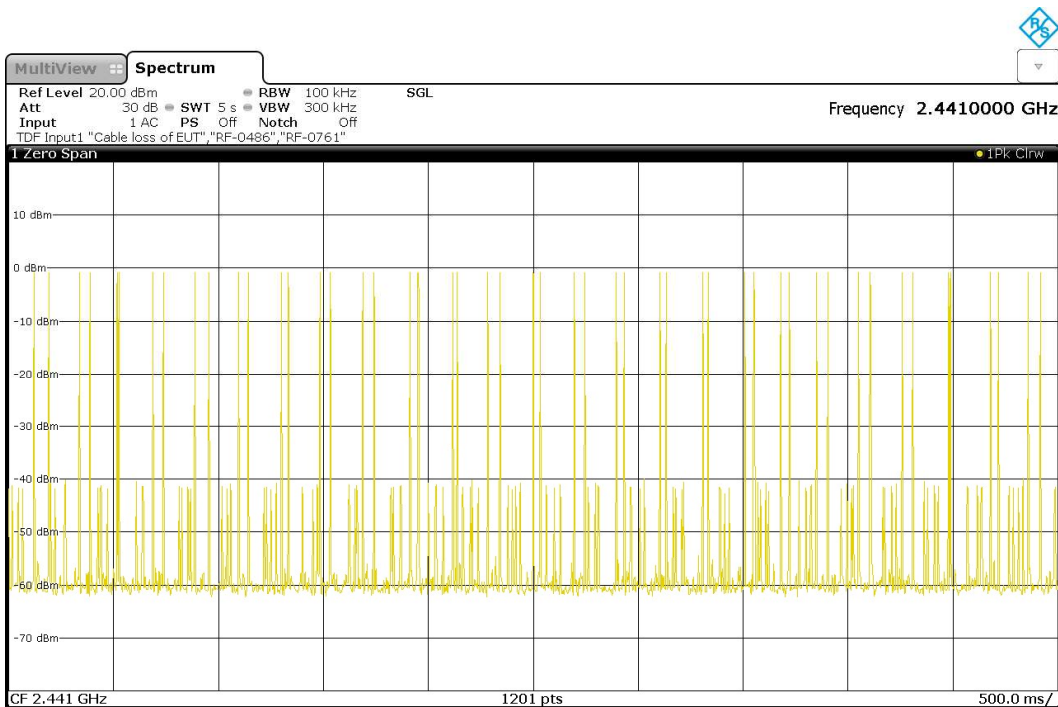
Note: Calculated number of hops per channel in 31.6s period = Measured number of hops per channel in 5s period \times (31.6s / 5s)
Average time of occupancy in 31.6s period = Packet duration \times Calculated number of hops per channel in 31.6s period

Figure 35: Package Duration, Mode H, 3DH1



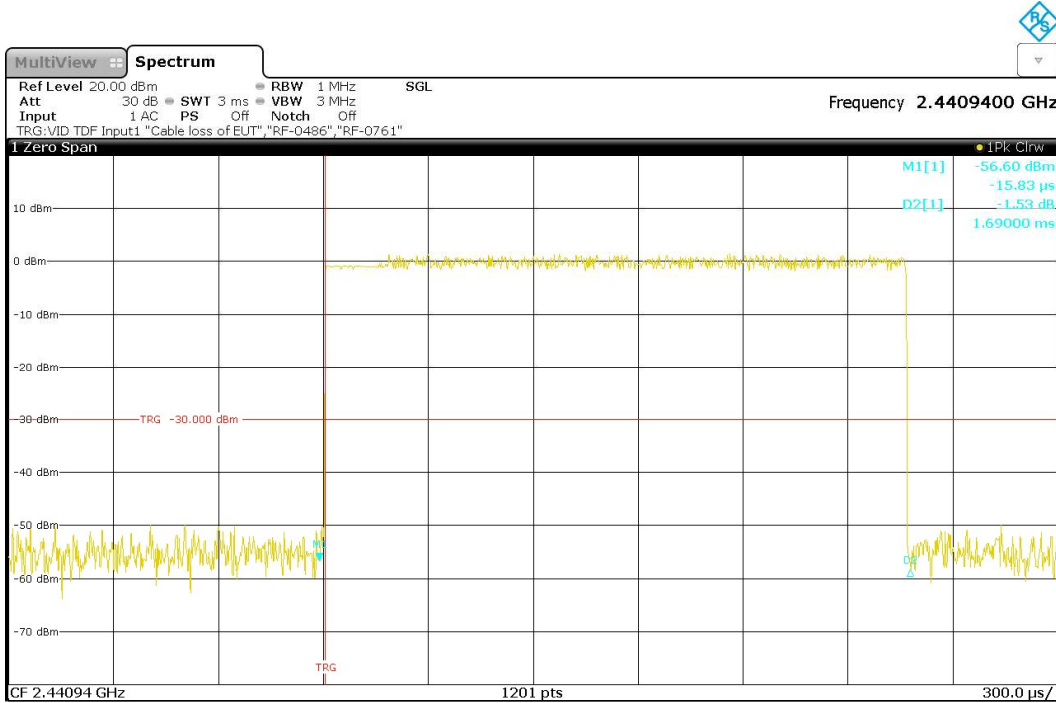
09:53:55 25.01.2021

Figure 36: Number of Hops, Mode H, 3DH1



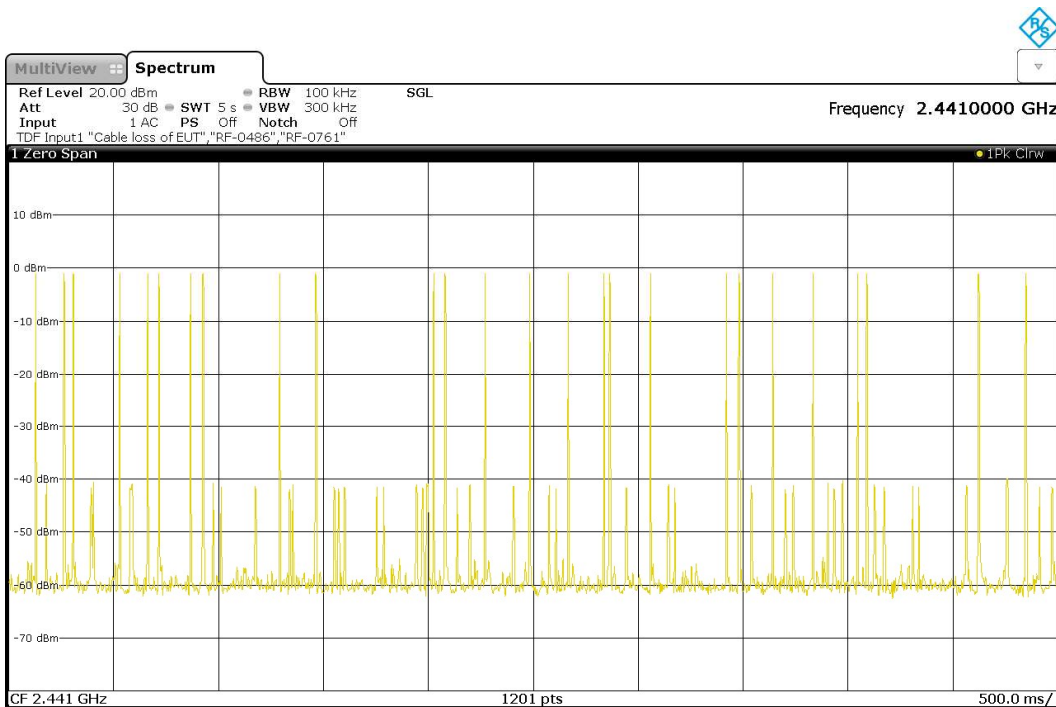
09:09:59 25.01.2021

Figure 37: Package Duration, Mode H, 3DH3



09:55:59 25.01.2021

Figure 38: Number of Hops, Mode H, 3DH3



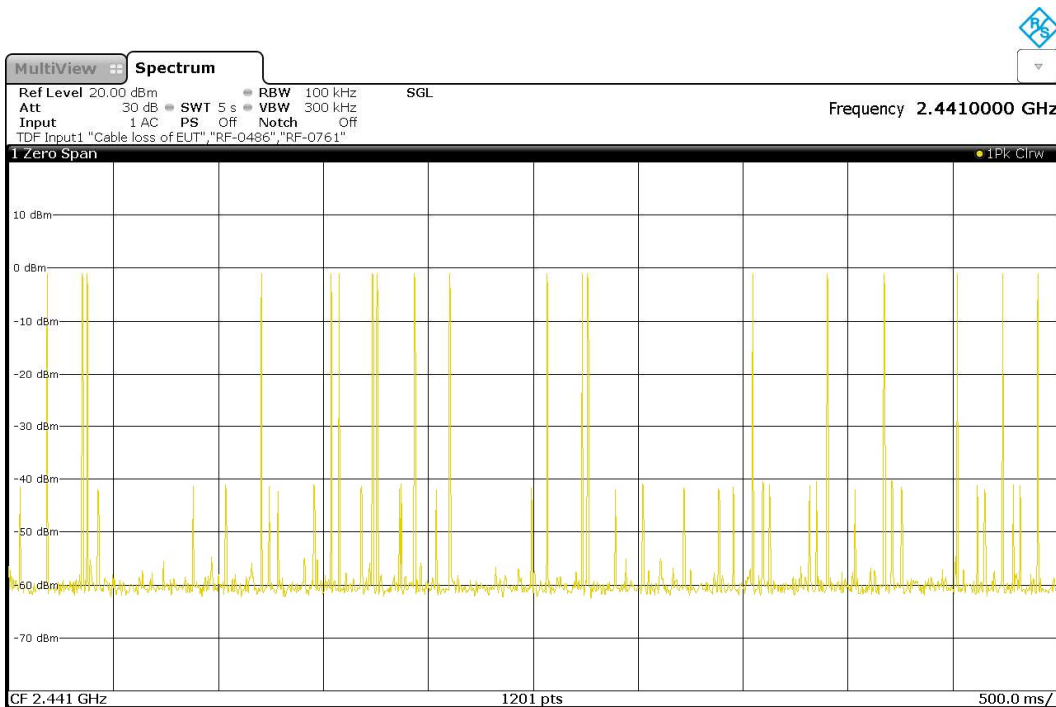
09:11:35 25.01.2021

Figure 39: Package Duration, Mode H, 3DH5



09:57:25 25.01.2021

Figure 40: Number of Hops, Mode H, 3DH5



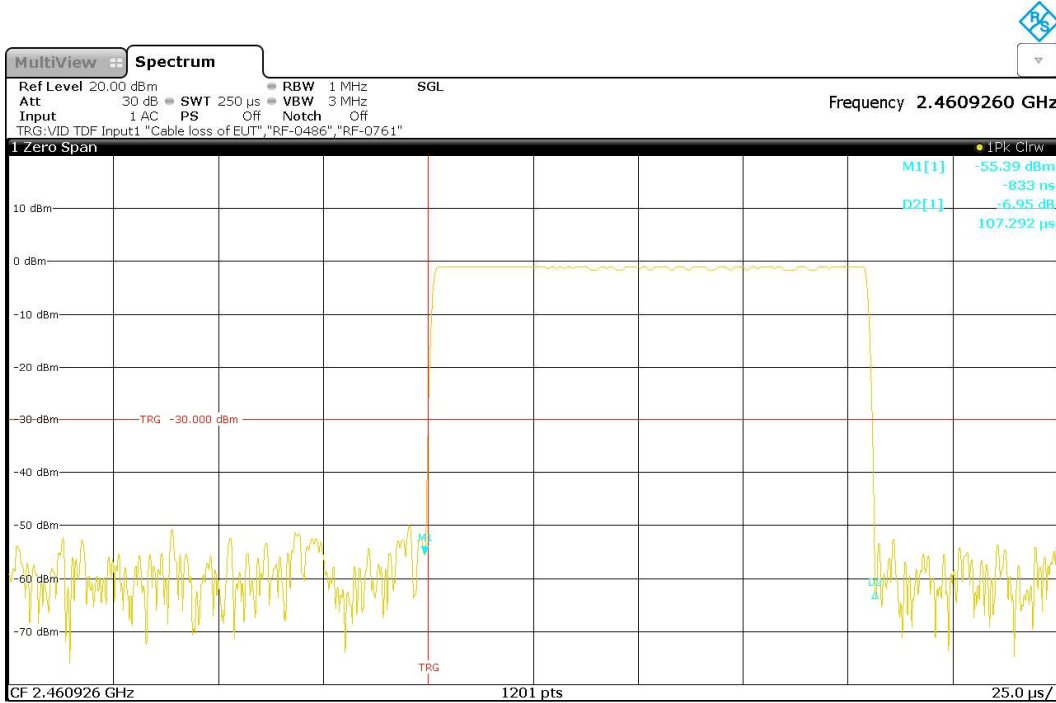
09:13:00 25.01.2021

Table 29: Average Time of Occupancy, Inquiry

Packet Type	Packet Duration [ms]	Measured Number of Hops per Channel in 0.1s Period	Calculated Number of Hops per Channel in 6.4s Period	Average Time of Occupancy in 6.4s Period [ms]	Limit [ms]
Inquiry	0.107	10	640	68.67	400

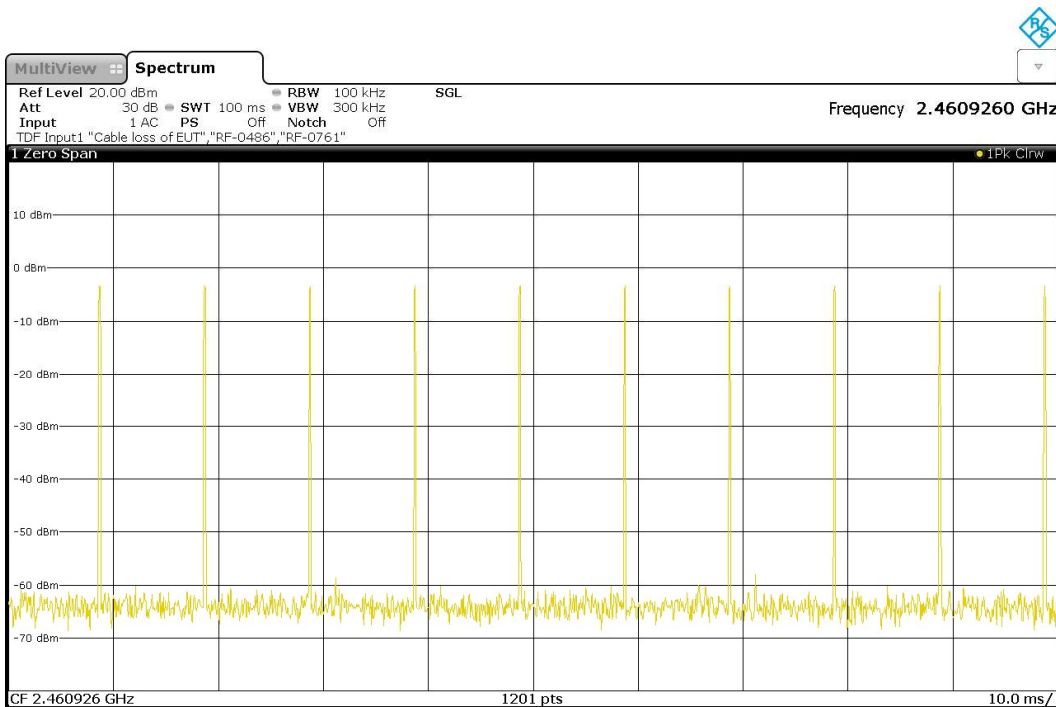
Note: Calculated number of hops per channel in 6.4s period = Measured number of hops per channel in 0.1s period × (6.4s / 0.1s)
Average time of occupancy in 6.4s period = Packet duration × Calculated number of hops per channel in 6.4s period

Figure 41: Package Duration, Inquiry



09:41:05 25.01.2021

Figure 42: Number of Hops, Inquiry



09:39:17 25.01.2021

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5.2.7 Conducted Spurious Emissions

RESULT:

PASS

Date of testing: 2021-01-24

Ambient temperature: 22°C

Relative humidity: 31%

Atmospheric pressure: 1019hPa

Requirements:

FCC 15.247(d)

In any 100kHz bandwidth outside the frequency band in which the intentional radiator is operating, the RF power shall be at least 20dB below that of the maximum in-band 100kHz emission.

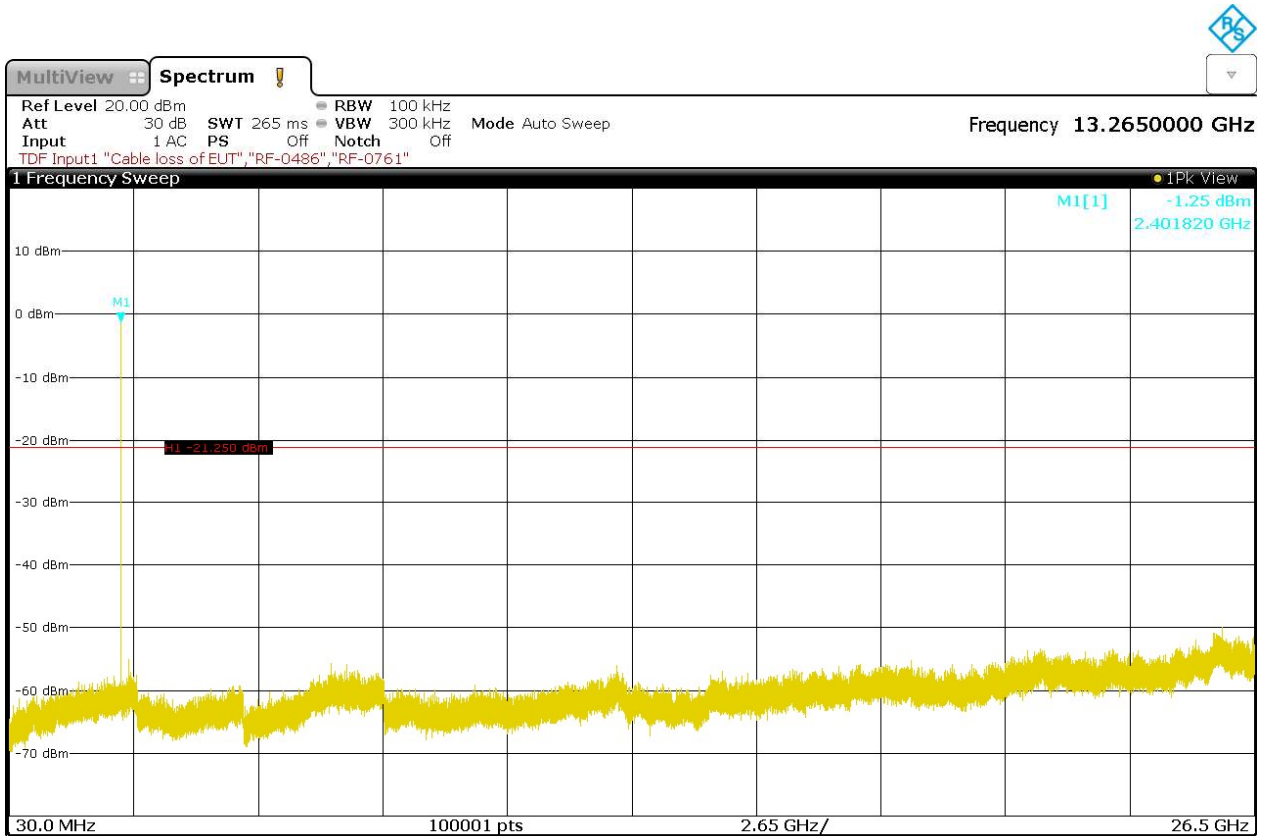
Test procedure:

ANSI C63.10 §7.8.8.

The conducted spurious emissions were measured at the antenna port with a spectrum analyzer using a peak detector. The resolution bandwidth was set to 100kHz and the video bandwidth to 300kHz. Measurements were performed from 30MHz to 25GHz (10th harmonics).

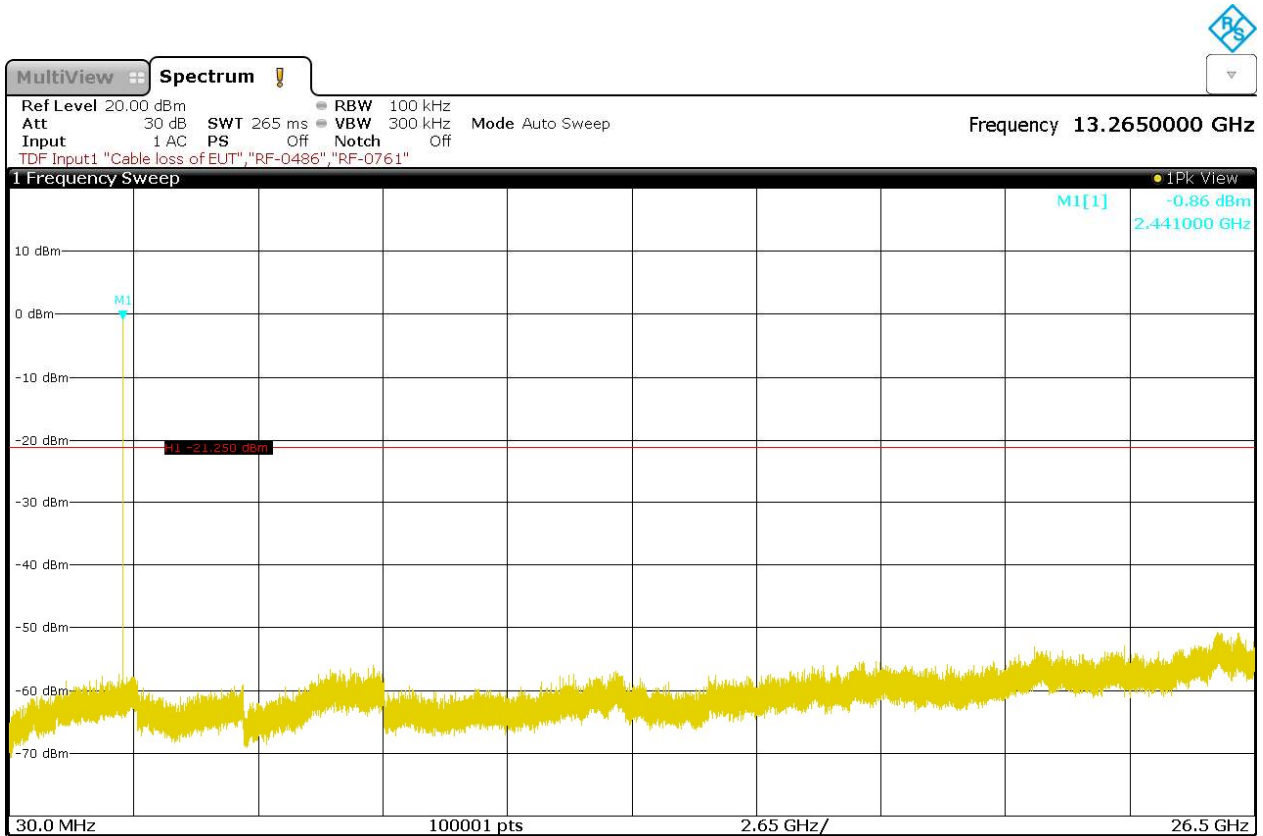
The readings of the measurements take into account the loss generated by all the involved cables.

Figure 43: Conducted Spurious Emissions, 30MHz - 25GHz, DH5, Mode A (2402MHz)



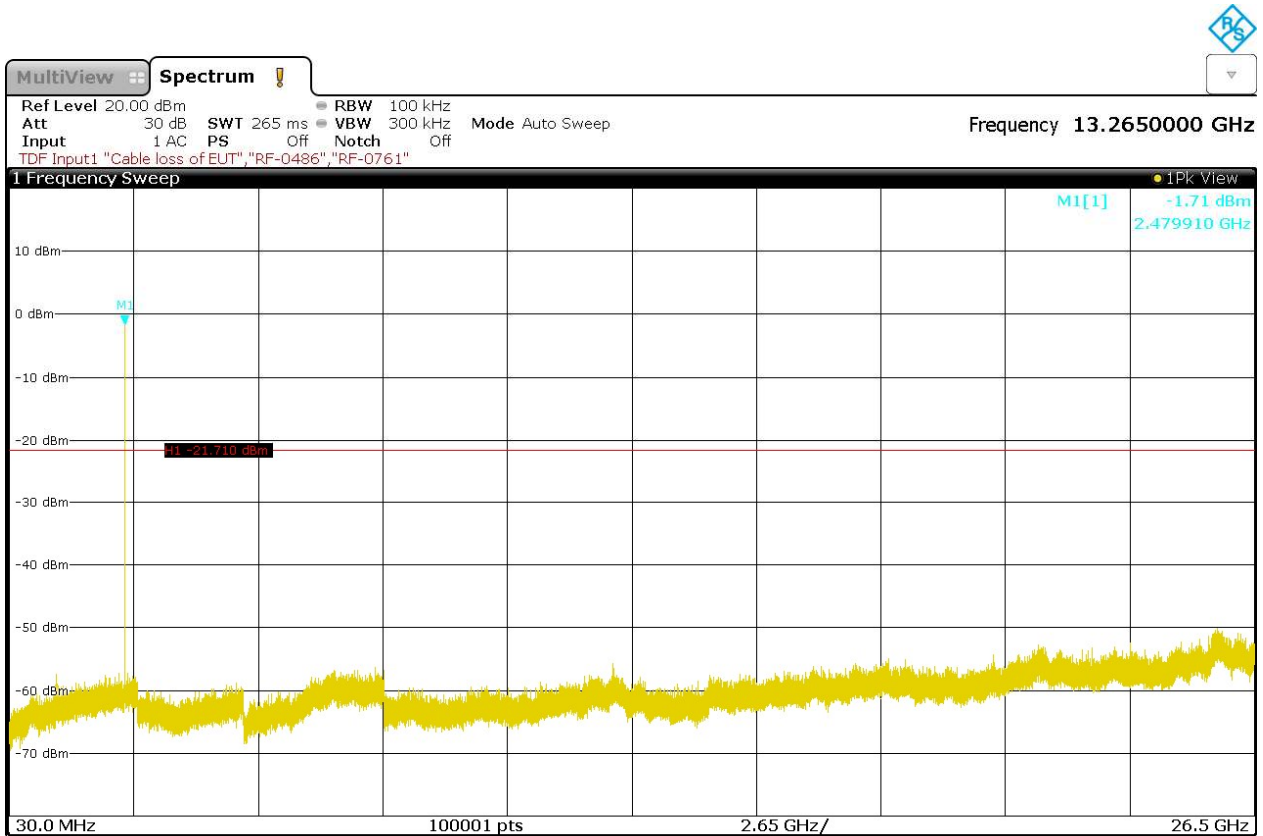
16:16:29 24.01.2021

Figure 44: Conducted Spurious Emissions, 30MHz - 25GHz, DH5, Mode B (2441MHz)



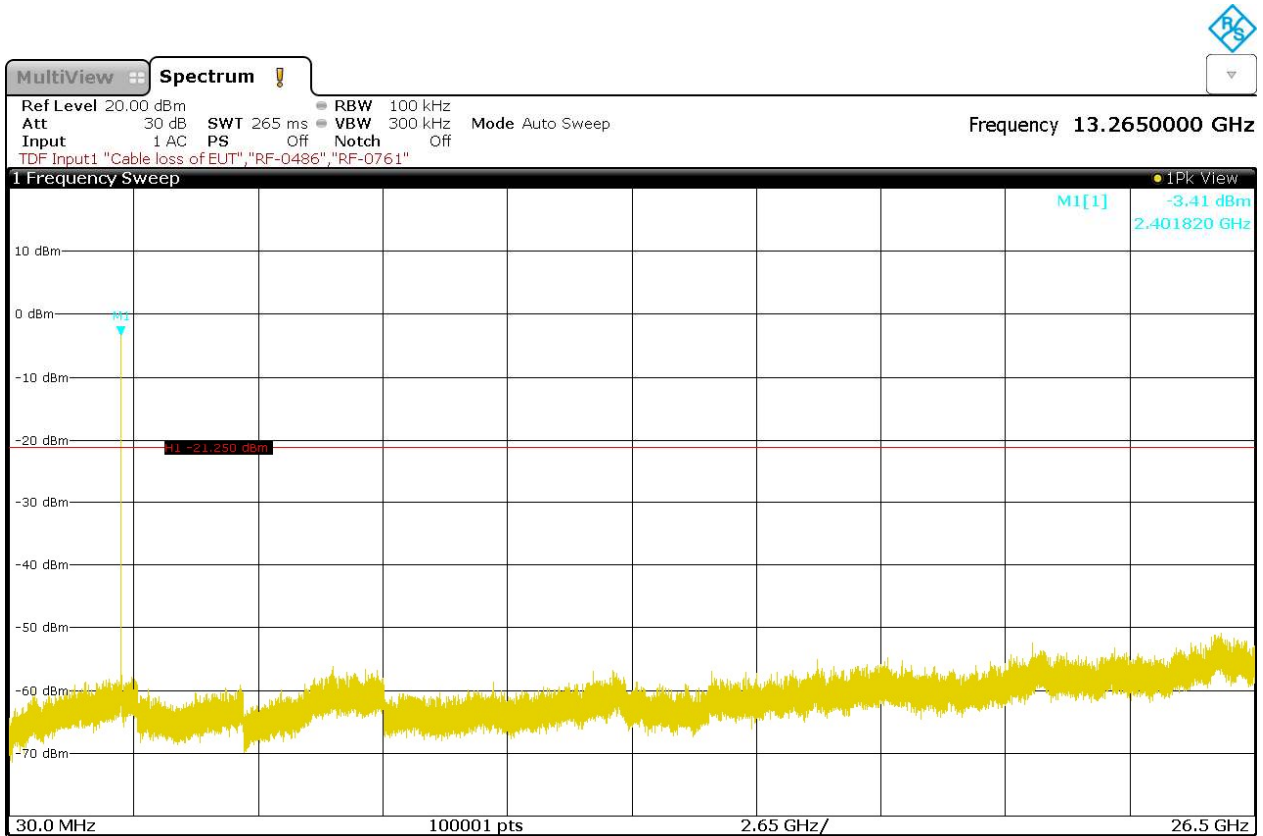
16:17:57 24.01.2021

Figure 45: Conducted Spurious Emissions, 30MHz - 25GHz, DH5, Mode C (2480MHz)



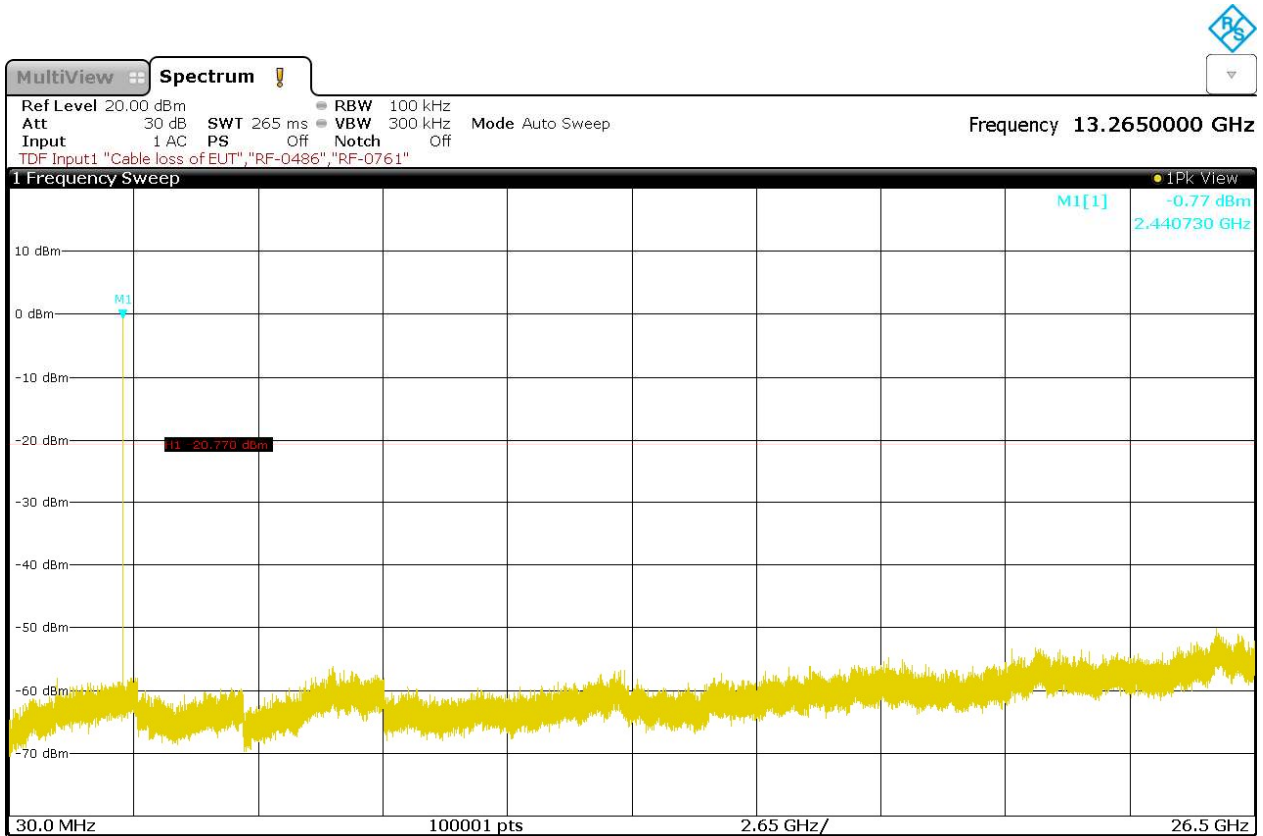
16:14:26 24.01.2021

Figure 46: Conducted Spurious Emissions, 30MHz - 25GHz, 3DH5, Mode A (2402MHz)



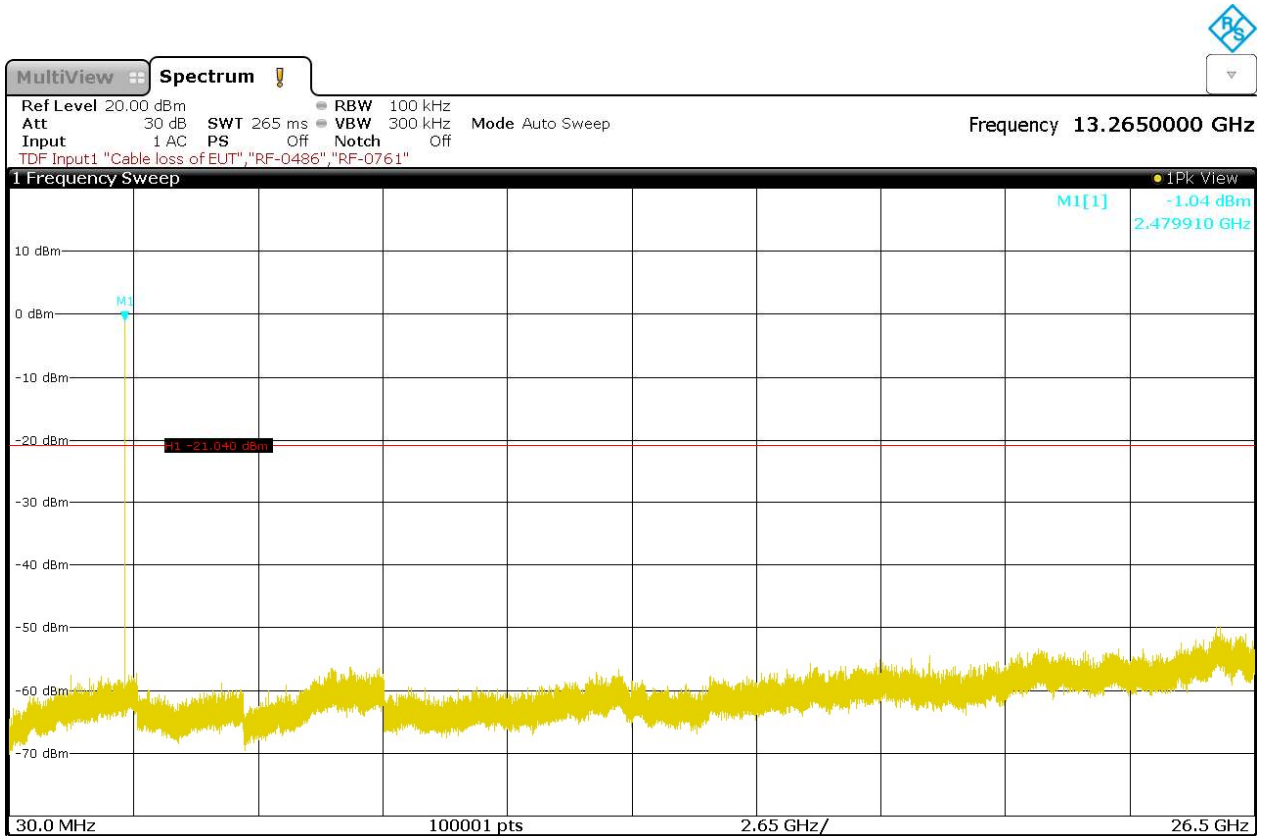
16:20:11 24.01.2021

Figure 47: Conducted Spurious Emissions, 30MHz - 25GHz, 3DH5, Mode B (2441MHz)



16:22:02 24.01.2021

Figure 48: Conducted Spurious Emissions, 30MHz - 25GHz, 3DH5, Mode C (2480MHz)



16:27:04 24.01.2021

5.2.8 Duty Cycle

RESULT:

PERFORMED

Date of testing: 2021-01-22

Ambient temperature: 22°C
 Relative humidity: 39%
 Atmospheric pressure: 1014hPa

Table 30: 20dB Bandwidth, DH5

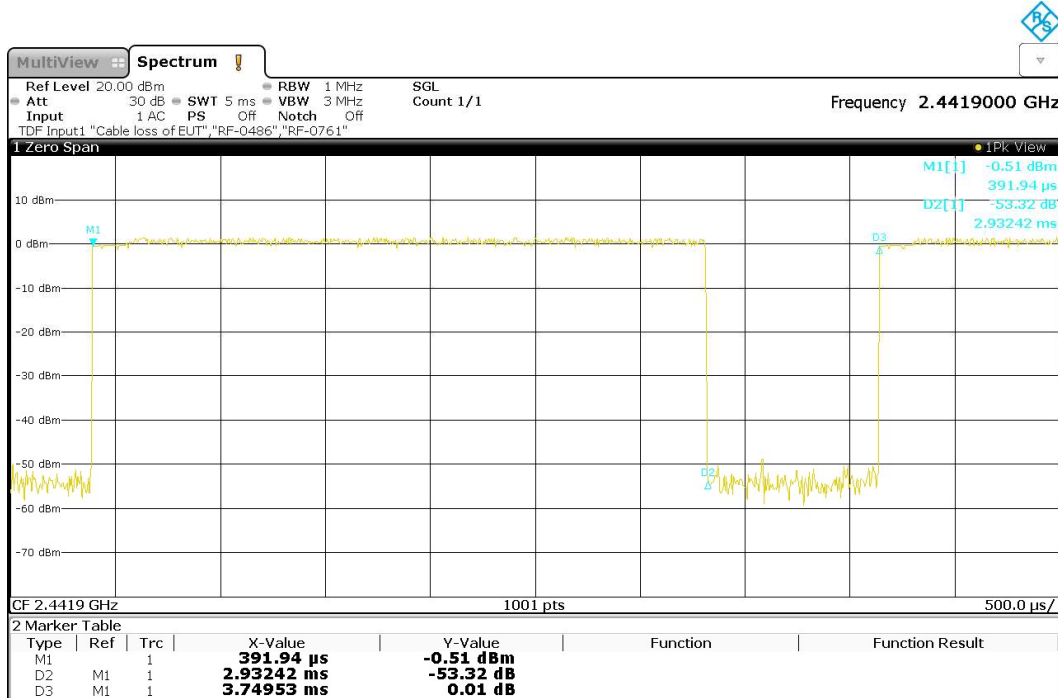
Radio	On-Time [ms]	Period [ms]	Duty Cycle
DH5	2.936	3.760	78.09%
2DH5	2.932	3.750	78.19%
3DH5	2.915	3.755	77.63%

Figure 49: Duty Cycle, DH5, Mode B (2441MHz)



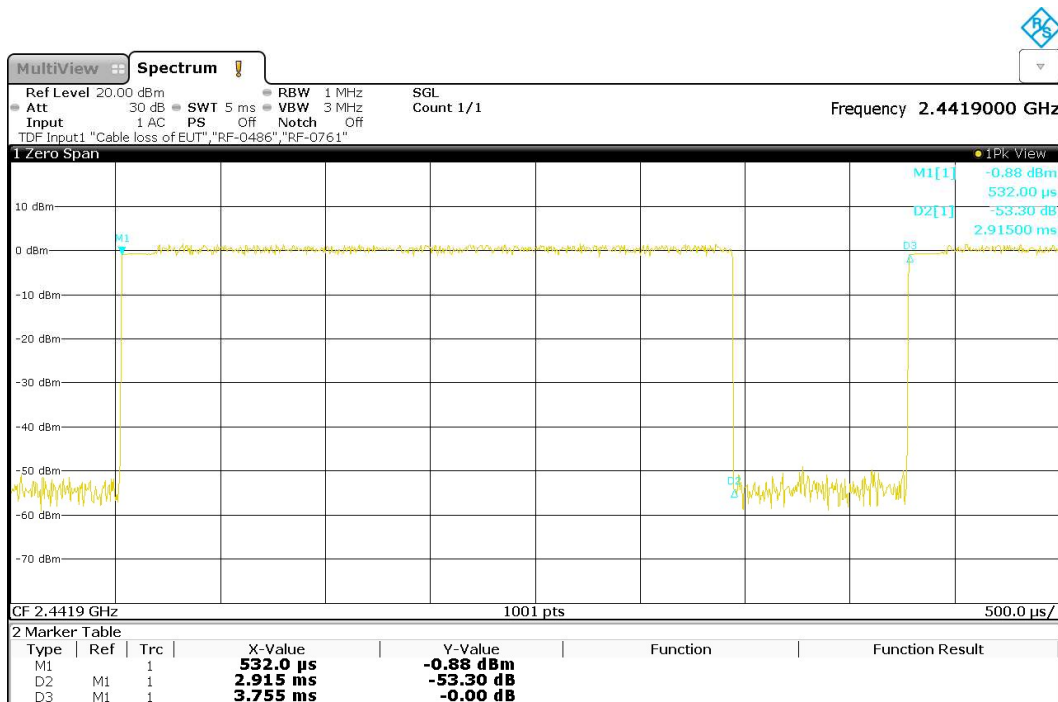
16:40:04 22.01.2021

Figure 50: Duty Cycle, 2DH5, Mode B (2441MHz)



16:58:52 22.01.2021

Figure 51: Duty Cycle, 3DH5, Mode B (2441MHz)



17:09:02 22.01.2021

5.3 Radiated Measurements

5.3.1 Radiated Spurious Emissions of Transmitter

RESULT:

PASS

Date of testing: 2021-01-12, 2021-01-19, 2021-01-20

Ambient temperature: 22, 22, 23°C

Relative humidity: 32, 37, 49%

Atmospheric pressure: 1014, 1013, 1025hPa

Frequency range: 9kHz - 25GHz

Measurement distance: 3m

Kind of test site: Semi Anechoic Chamber

Requirements:

FCC 15.205, FCC 15.209, FCC 15.247(d).

Radiated emissions which fall in the restricted bands, as defined in FCC 15.205(a), must comply with the radiated emission limits specified in FCC 15.209(a).

Radiated emissions which fall outside the operation frequency band and outside restricted bands shall either meet the limit specified in FCC 15.209(a) or be attenuated at least 20dB below the power level in the 100kHz bandwidth within the band that contains the highest level of the desired power (the less severe limit applies).

Test procedure:

The EUT was placed on a nonconductive turntable. The table height was 0.8m for measurements below 1GHz and 1.5m for measurements above 1GHz. Before final measurements of radiated emissions were performed, the EUT was scanned to determine its emission spectrum profile. The physical arrangement of the test system, the associated cabling were varied in order to ensure that maximum emission amplitudes were attained.

The spectrum was examined from 9kHz to the 10th harmonic of the highest fundamental transmitter frequency (25GHz). Final radiated emission measurements were made at 3m distance.

At each frequency where a spurious emission was found, the EUT was rotated 360° in order to determine the emission's maximum level. For frequencies above 30MHz, the antenna was raised and lowered from 1 to 4m and measurements were taken using both horizontal and vertical antenna polarizations.

For emissions between 30MHz and 1GHz, measurements were performed with a test receiver operating in the CISPR quasi-peak detection mode with a 20dB Bandwidth set to 120kHz. For emissions above 1GHz, measurements were performed with a spectrum analyzer using Peak and Average detector.

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Absorbers have been placed on the floor between the EUT and the measuring antenna for testing above 1GHz.

The highest emission amplitudes relative to the appropriate limit were recorded in this report. Emissions other than those mentioned are small or not detectable.

Measurement was performed at 3DH5 mode B from 9kHz to 30MHz and from 30MHz to 1GHz.

Table 31: Radiated Emissions, Quasi Peak Data, 9kHz - 30MHz, 3DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading QP [dBµV]	Factor [dB(1/m)]	Level QP [dBµV/m]	Limit [dBµV/m]	Margin QP [dB]	Height [cm]	Angle [°]
1.136	V	17.6	19.8	37.4	66.5	29.1	100	337

Note: Level QP = Reading QP + Factor

Table 32: Radiated Emissions, Quasi Peak Data, 30MHz - 1GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading QP [dBµV]	Factor [dB(1/m)]	Level QP [dBµV/m]	Limit [dBµV/m]	Margin QP [dB]	Height [cm]	Angle [°]
40.110	V	38.8	-22.1	16.7	40.0	23.3	100	99
70.721	H	39.0	-23.1	15.9	40.0	24.1	300	155
70.726	V	39.3	-23.3	16.0	40.0	24.0	100	277
120.345	V	42.1	-23.2	18.9	43.5	24.6	101	10
152.055	V	33.8	-20.9	12.9	43.5	30.6	105	95
169.416	H	38.4	-21.4	17.0	43.5	26.5	149	144
252.869	H	41.6	-21.5	20.1	46.0	25.9	143	307
353.352	H	39.4	-17.9	21.5	46.0	24.5	121	1
505.675	V	40.2	-14.1	26.1	46.0	19.9	100	79
505.680	H	40.9	-14.0	26.9	46.0	19.1	165	113
702.993	V	42.4	-10.6	31.8	46.0	14.2	100	148
702.995	H	43.8	-10.9	32.9	46.0	13.1	121	318

Note: Level QP = Reading QP + Factor

Table 33: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode A (2402MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1960.757	V	58.1	-15.9	42.2	74.0	31.8	160	7
2427.086	V	61.7	-14.1	47.6	74.0	26.4	184	334
4803.553	V	51.8	-8.2	43.6	74.0	30.4	177	273
4804.351	H	53.5	-8.2	45.3	74.0	28.7	180	27
7204.853	H	53.2	-0.7	52.5	74.0	21.5	100	132
7205.903	V	56.0	-0.7	55.3	74.0	18.7	131	214
19216.000	H	49.0	-11.5	37.5	74.0	36.5	100	7

Note: Level PK = Reading PK + Factor

Table 34: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode A (2402MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1960.757	V	52.0	-15.9	36.1	54.0	17.9	160	7
2427.086	V	39.9	-14.1	25.8	54.0	28.2	184	334
4803.553	V	38.9	-8.2	30.7	54.0	23.3	177	273
4804.351	H	39.5	-8.2	31.3	54.0	22.7	180	27
7204.853	H	39.6	-0.7	38.9	54.0	15.1	100	132
7205.903	V	45.6	-0.7	44.9	54.0	9.1	131	214
19216.000	H	36.0	-11.5	24.5	54.0	29.5	100	7

Note: Level AV = Reading AV + Factor

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Table 35: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1961.151	V	58.7	-15.9	42.8	74.0	31.2	248	15
2415.210	H	59.6	-14.1	45.5	74.0	28.5	135	308
2466.276	V	60.4	-14.5	45.9	74.0	28.1	175	319
4883.980	H	51.7	-8.6	43.1	74.0	30.9	184	104
4884.218	V	50.9	-8.6	42.3	74.0	31.7	255	285
7322.393	H	56.0	-0.3	55.7	74.0	18.3	104	35
7323.125	V	54.4	-0.3	54.1	74.0	19.9	160	18
19528.000	H	49.1	-11.2	37.9	74.0	36.1	200	43

Note: Level PK = Reading PK + Factor

Table 36: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1961.151	V	53.0	-15.9	37.1	54.0	16.9	248	15
2415.210	H	38.8	-14.1	24.7	54.0	29.3	135	308
2466.276	V	39.7	-14.5	25.2	54.0	28.8	175	319
4883.980	H	38.0	-8.6	29.4	54.0	24.6	184	104
4884.218	V	38.1	-8.6	29.5	54.0	24.5	255	285
7322.393	H	43.7	-0.3	43.4	54.0	10.6	104	35
7323.125	V	42.1	-0.3	41.8	54.0	12.2	160	18
19528.000	H	35.3	-11.2	24.1	54.0	29.9	200	43

Note: Level AV = Reading AV + Factor

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Table 37: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode C (2480MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1960.469	V	57.7	-15.9	41.8	74.0	32.2	153	17
2505.724	V	61.8	-14.6	47.2	74.0	26.8	230	333
2505.874	H	63.3	-14.6	48.7	74.0	25.3	100	299
4960.778	V	51.3	-7.9	43.4	74.0	30.6	212	21
4962.141	H	51.1	-7.9	43.2	74.0	30.8	174	255
7439.349	H	55.0	-0.7	54.3	74.0	19.7	118	163
7439.614	V	54.4	-0.7	53.7	74.0	20.3	100	337
19840.000	H	49.5	-10.9	38.6	74.0	35.4	200	304

Note: Level PK = Reading PK + Factor

Table 38: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, DH5, Mode C (2480MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1960.469	V	48.5	-15.9	32.6	54.0	21.4	153	17
2505.724	V	40.6	-14.6	26.0	54.0	28.0	230	333
2505.874	H	40.9	-14.6	26.3	54.0	27.7	100	299
4960.778	V	37.7	-7.9	29.8	54.0	24.2	212	21
4962.141	H	37.8	-7.9	29.9	54.0	24.1	174	255
7439.349	H	42.7	-0.7	42.0	54.0	12.0	118	163
7439.614	V	42.4	-0.7	41.7	54.0	12.3	100	337
19840.000	H	36.5	-10.9	25.6	54.0	28.4	200	304

Note: Level AV = Reading AV + Factor

Table 39: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode A (2402MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1960.954	V	59.3	-15.9	43.4	74.0	30.6	240	9
3118.154	V	57.2	-13.3	43.9	74.0	30.1	156	185
4804.201	H	52.5	-8.2	44.3	74.0	29.7	290	79
4805.914	V	51.7	-8.2	43.5	74.0	30.5	297	178
7205.224	H	55.8	-0.7	55.1	74.0	18.9	159	197
7205.912	V	57.0	-0.7	56.3	74.0	17.7	100	208
19216.000	H	49.4	-11.5	37.9	74.0	36.1	200	15

Note: Level PK = Reading PK + Factor

Table 40: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode A (2402MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1960.954	V	54.2	-15.9	38.3	54.0	15.7	240	9
3118.154	V	50.2	-13.3	36.9	54.0	17.1	156	185
4804.201	H	39.3	-8.2	31.1	54.0	22.9	290	79
4805.914	V	38.8	-8.2	30.6	54.0	23.4	297	178
7205.224	H	42.7	-0.7	42.0	54.0	12.0	159	197
7205.912	V	45.9	-0.7	45.2	54.0	8.8	100	208
19216.000	H	36.4	-11.5	24.9	54.0	29.1	200	15

Note: Level AV = Reading AV + Factor

Table 41: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1345.654	V	60.0	-16.1	43.9	74.0	30.1	226	354
1961.143	V	58.9	-15.9	43.0	74.0	31.0	248	19
2466.496	H	63.7	-14.5	49.2	74.0	24.8	126	311
4880.640	H	51.4	-8.6	42.8	74.0	31.2	233	226
4881.750	V	51.2	-8.6	42.6	74.0	31.4	181	211
7323.000	V	54.4	-0.3	54.1	74.0	19.9	132	214
7323.042	H	57.3	-0.3	57.0	74.0	17.0	104	36
19528.000	H	48.3	-11.2	37.1	74.0	36.9	200	18

Note: Level PK = Reading PK + Factor

Table 42: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode B (2441MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1345.654	V	39.8	-16.1	23.7	54.0	30.3	226	354
1961.143	V	53.4	-15.9	37.5	54.0	16.5	248	19
2466.496	H	41.6	-14.5	27.1	54.0	26.9	126	311
4880.640	H	38.1	-8.6	29.5	54.0	24.5	233	226
4881.750	V	38.1	-8.6	29.5	54.0	24.5	181	211
7323.000	V	41.8	-0.3	41.5	54.0	12.5	132	214
7323.042	H	45.1	-0.3	44.8	54.0	9.2	104	36
19528.000	H	35.0	-11.2	23.8	54.0	30.2	200	18

Note: Level AV = Reading AV + Factor

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Table 43: Radiated Emissions, Peak Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode C (2480MHz)

Freq. [MHz]	Antenna Orientation	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1383.007	V	54.2	-15.8	38.4	74.0	35.6	149	170
1960.885	V	59.2	-15.9	43.3	74.0	30.7	244	12
2505.796	H	64.1	-14.6	49.5	74.0	24.5	144	298
4960.769	V	50.9	-7.9	43.0	74.0	31.0	231	219
4962.507	H	51.0	-7.9	43.1	74.0	30.9	288	75
7440.021	V	53.7	-0.7	53.0	74.0	21.0	160	12
7440.641	H	55.4	-0.7	54.7	74.0	19.3	100	286
19840.000	H	50.3	-10.9	39.4	74.0	34.6	200	144

Note: Level PK = Reading PK + Factor

Table 44: Radiated Emissions, Average Data, 1 - 25GHz, Horizontal and Vertical Antenna Orientations, 3DH5, Mode C (2480MHz)

Freq. [MHz]	Antenna Orientation	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1383.007	V	39.0	-15.8	23.2	54.0	30.8	149	170
1960.885	V	53.9	-15.9	38.0	54.0	16.0	244	12
2505.796	H	41.2	-14.6	26.6	54.0	27.4	144	298
4960.769	V	37.8	-7.9	29.9	54.0	24.1	231	219
4962.507	H	37.8	-7.9	29.9	54.0	24.1	288	75
7440.021	V	39.6	-0.7	38.9	54.0	15.1	160	12
7440.641	H	41.2	-0.7	40.5	54.0	13.5	100	286
19840.000	H	36.4	-10.9	25.5	54.0	28.5	200	144

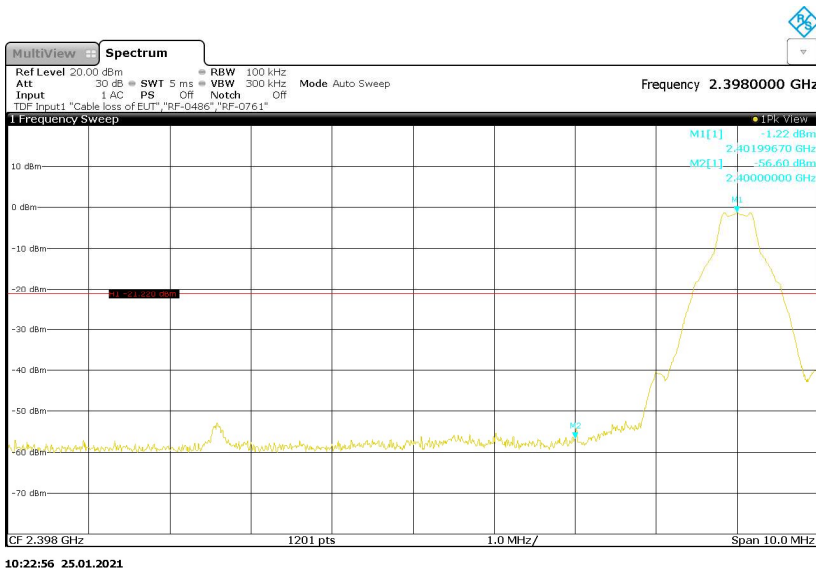
Note: Level AV = Reading AV + Factor

Table 45: Band Edge, DH5, Modes A (2402MHz) and C (2480MHz)

Operating Frequency [MHz]	Fundamental Level [dBm]	Band Edge Limit [dBm]	Band Edge Frequency [MHz]	Band Edge Level [dBm]	Margin [dB]
2402	-1.22	-21.22	2400	-56.60	35.38
2480	-1.33	-21.33	2483.5	-56.62	35.29

Notes: All correction factors are included in the measurement values.

Figure 52: Radiated Emissions at Band Edge, Spectral Diagram, DH5, Mode A (2402MHz)



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Figure 53: Radiated Emissions at Band Edge, Spectral Diagram, DH5, Mode C (2480MHz)

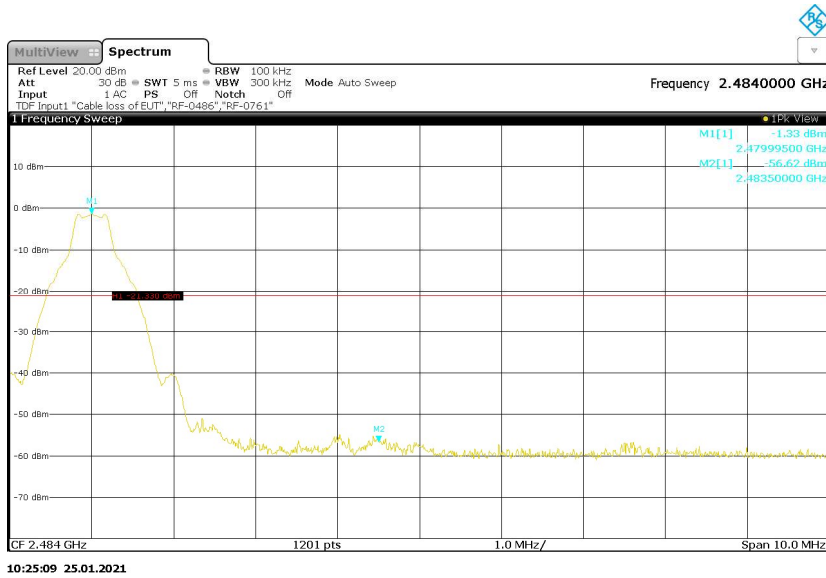
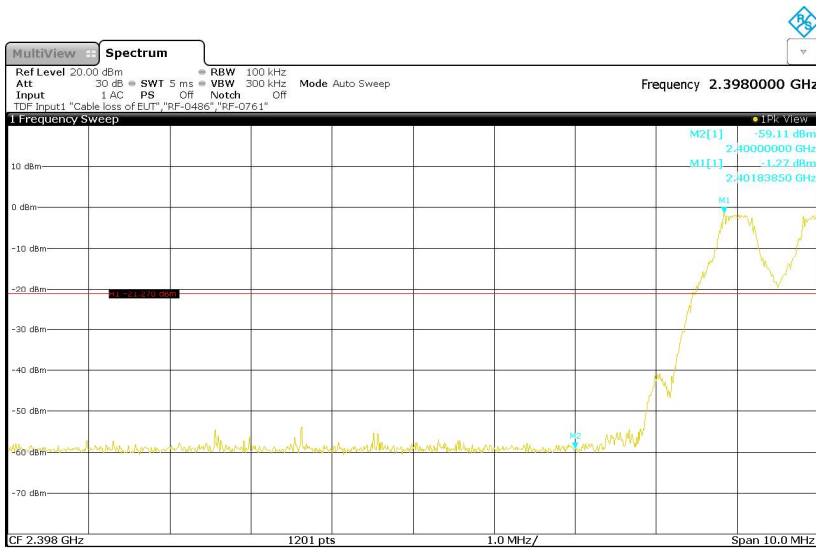


Table 46: Band Edge, DH5, Mode H

Operating Frequency [MHz]	Fundamental Level [dBm]	Band Edge Limit [dBm]	Band Edge Frequency [MHz]	Band Edge Level [dBm]	Margin [dB]
2402	-1.27	-21.27	2400	-59.11	37.84
2480	-1.57	-21.57	2483.5	-56.22	34.65

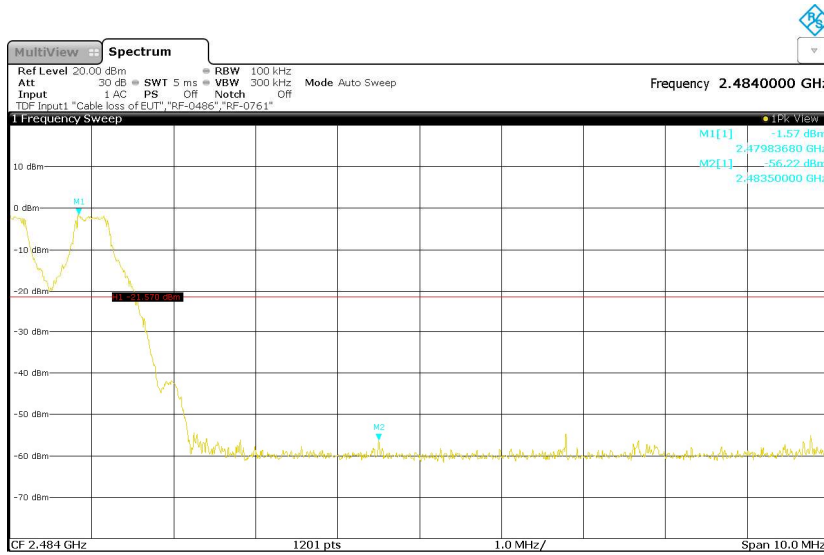
Notes: All correction factors are included in the measurement values.

Figure 54: Radiated Emissions at Band Edge, Spectral Diagram, DH5, Mode H, 2402MHz



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Figure 55: Radiated Emissions at Band Edge, Spectral Diagram, DH5, Mode H, 2480MHz



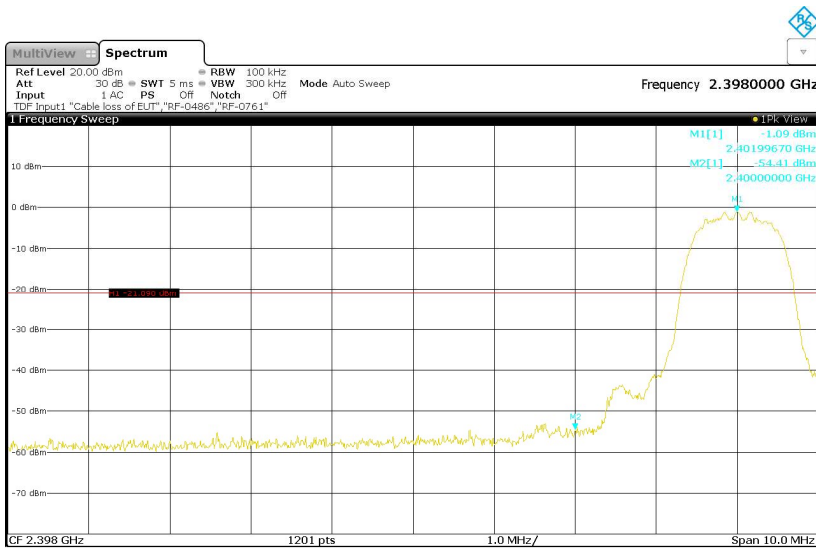
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Table 47: Band Edge, 3DH5, Modes A (2402MHz) and C (2480MHz)

Operating Frequency [MHz]	Fundamental Level [dBm]	Band Edge Limit [dBm]	Band Edge Frequency [MHz]	Band Edge Level [dBm]	Margin [dB]
2402	-1.09	-21.09	2400	-54.41	33.32
2480	-1.23	-21.23	2483.5	-57.74	36.51

Notes: All correction factors are included in the measurement values.

Figure 56: Radiated Emissions at Band Edge, Spectral Diagram, 3DH5, Mode A (2402MHz)



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Figure 57: Radiated Emissions at Band Edge, Spectral Diagram, 3DH5, Mode C (2480MHz)

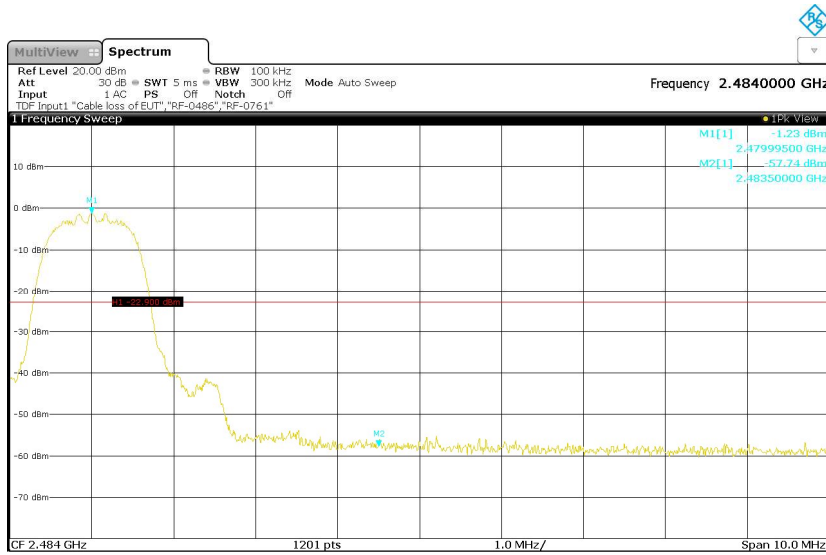
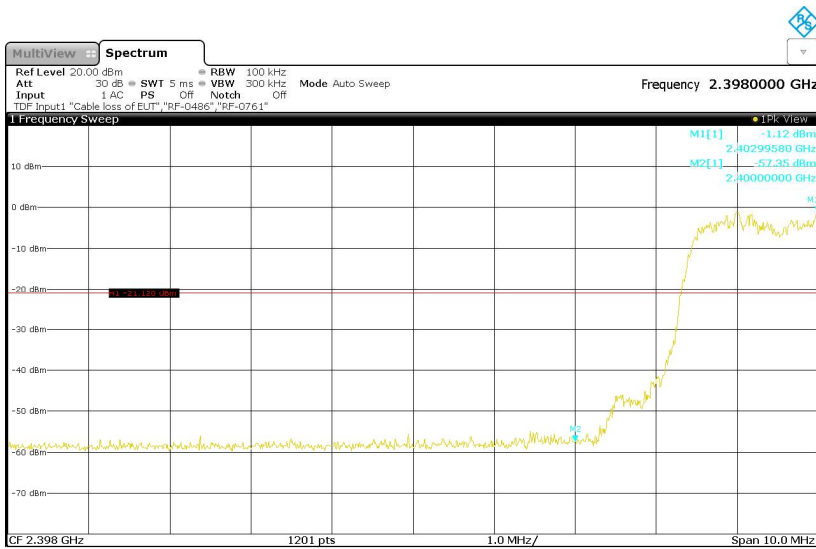


Table 48: Band Edge, 3DH5, Mode H

Operating Frequency [MHz]	Fundamental Level [dBm]	Band Edge Limit [dBm]	Band Edge Frequency [MHz]	Band Edge Level [dBm]	Margin [dB]
2402	-1.12	-21.12	2400	-57.35	36.23
2480	-2.90	-22.90	2483.5	-59.56	36.66

Notes: All correction factors are included in the measurement values.

Figure 58: Radiated Emissions at Band Edge, Spectral Diagram, 3DH5, Mode H, 2402MHz



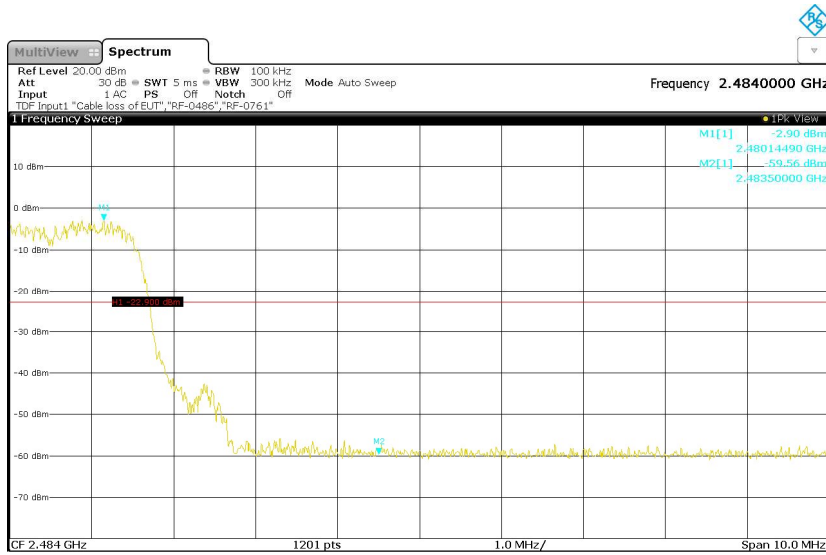
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Figure 59: Radiated Emissions at Band Edge, Spectral Diagram, 3DH5, Mode H, 2480MHz



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5.4 AC Power Line Conducted Measurements

5.4.1 AC Power Line Conducted Emission of Transmitter

RESULT:

N/A

Requirements:

FCC 15.207

The AC power line conducted emission on any frequency within the band 150kHz to 30MHz shall not exceed the limits specified in FCC 15.207.

Test procedure:

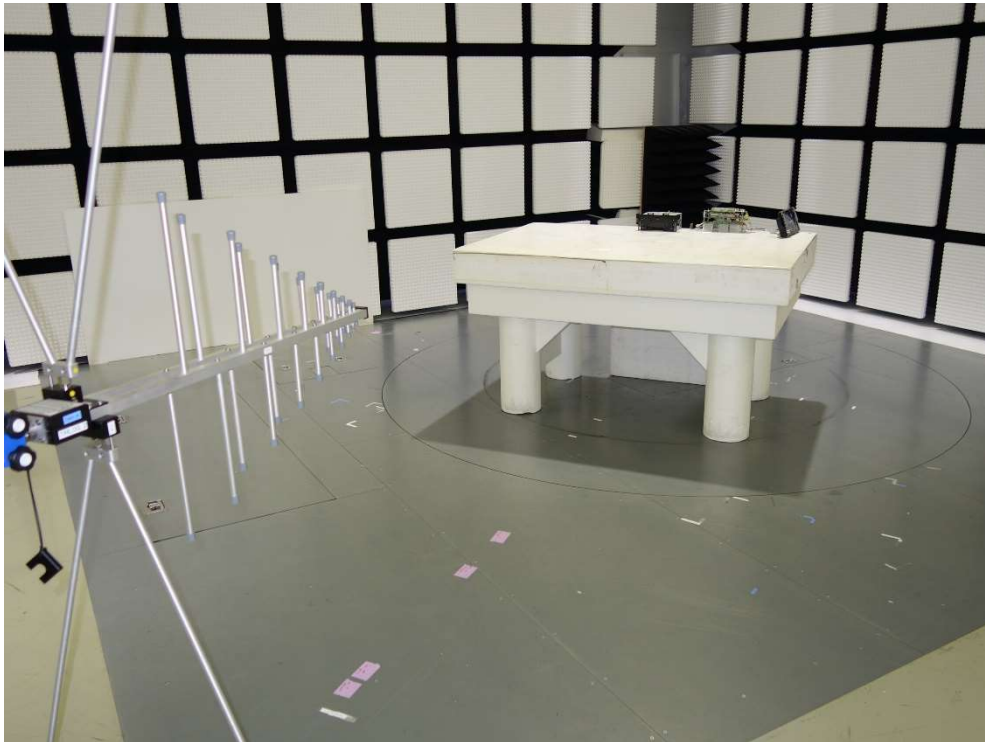
ANSI C63.10 §6.2

Note:

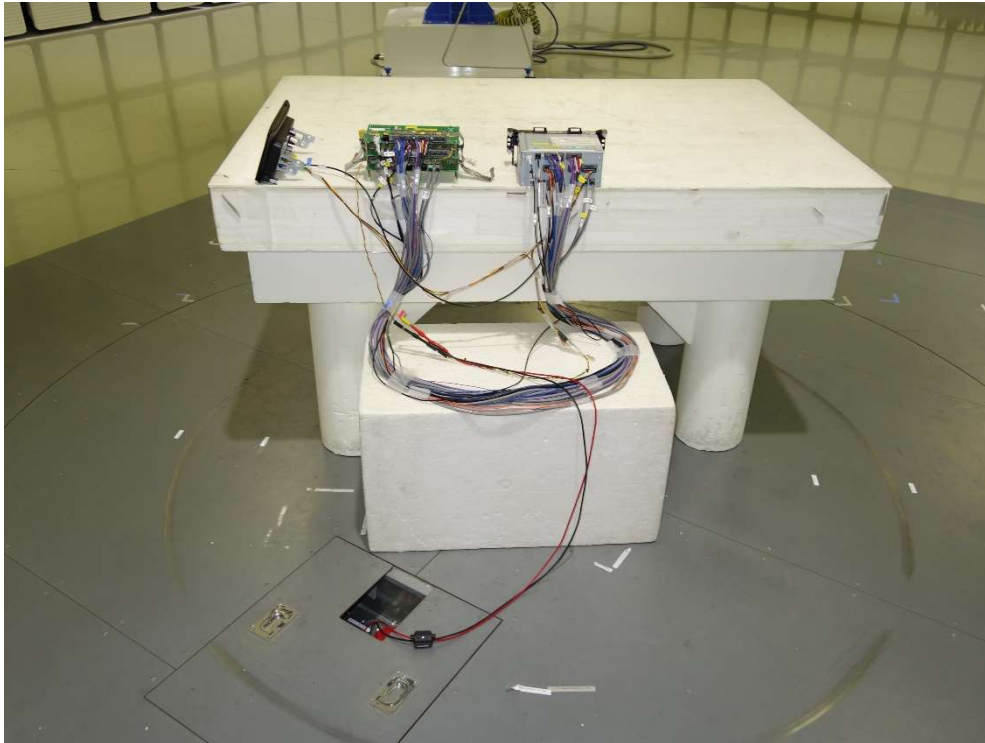
Not applicable since the EUT is not the device that is designed to be connected to the public utility (AC) power line.

7. Photographs of the Test Setup

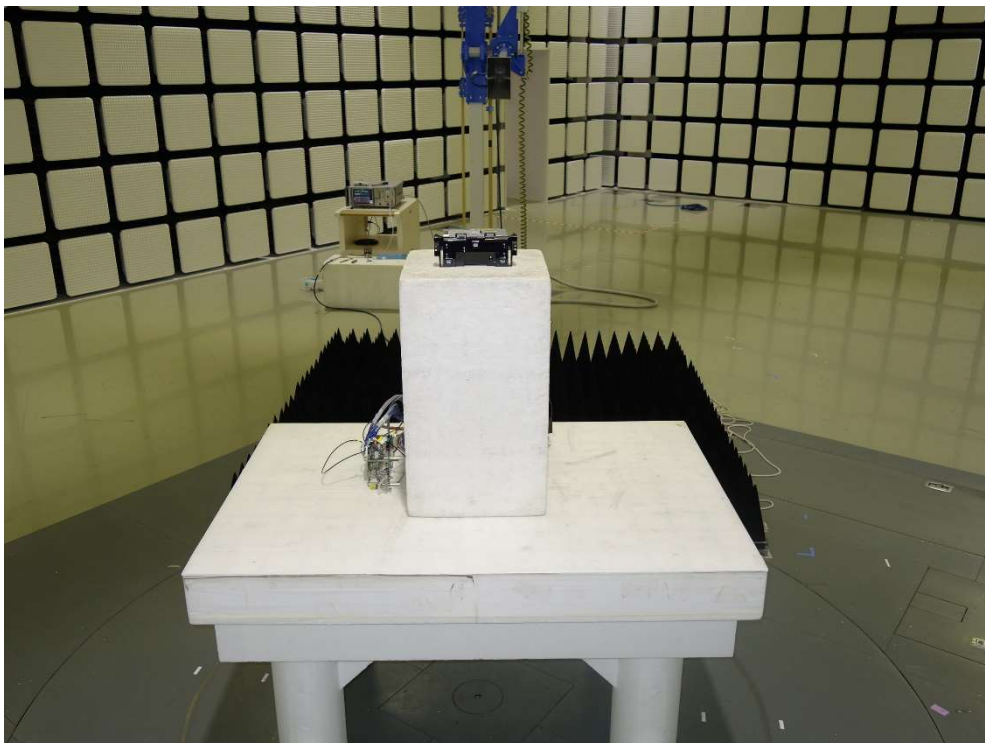
Photograph 1: Set-up for Radiated Emission of Transmitter at MHz Range, Front View



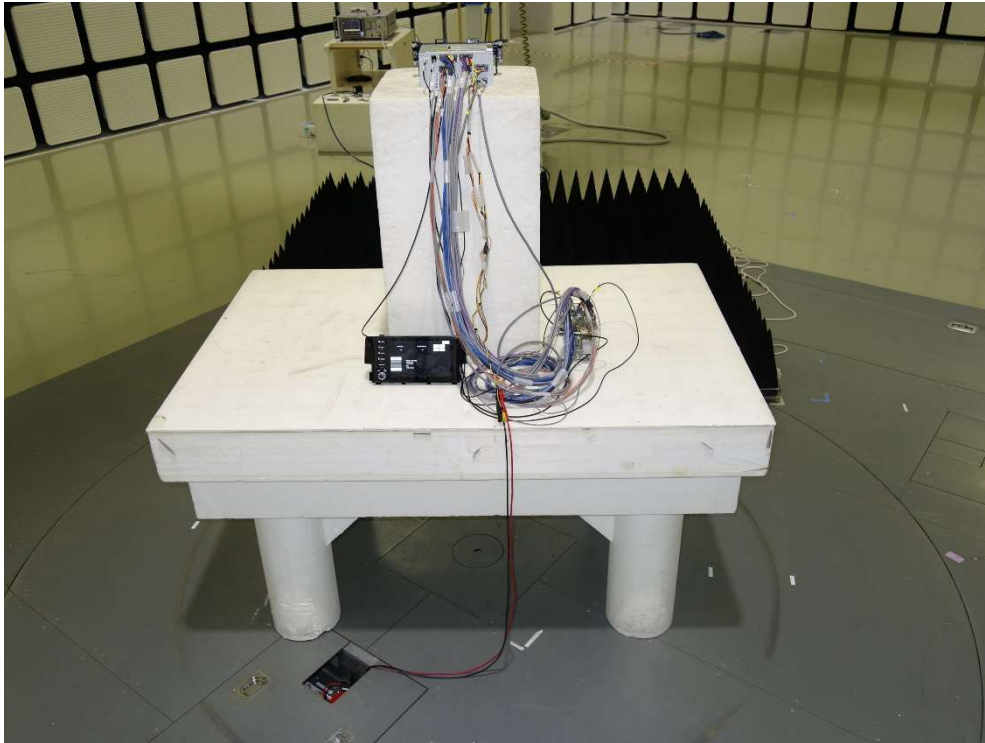
Photograph 2: Set-up for Radiated Emission of Transmitter at MHz Range, Rear View



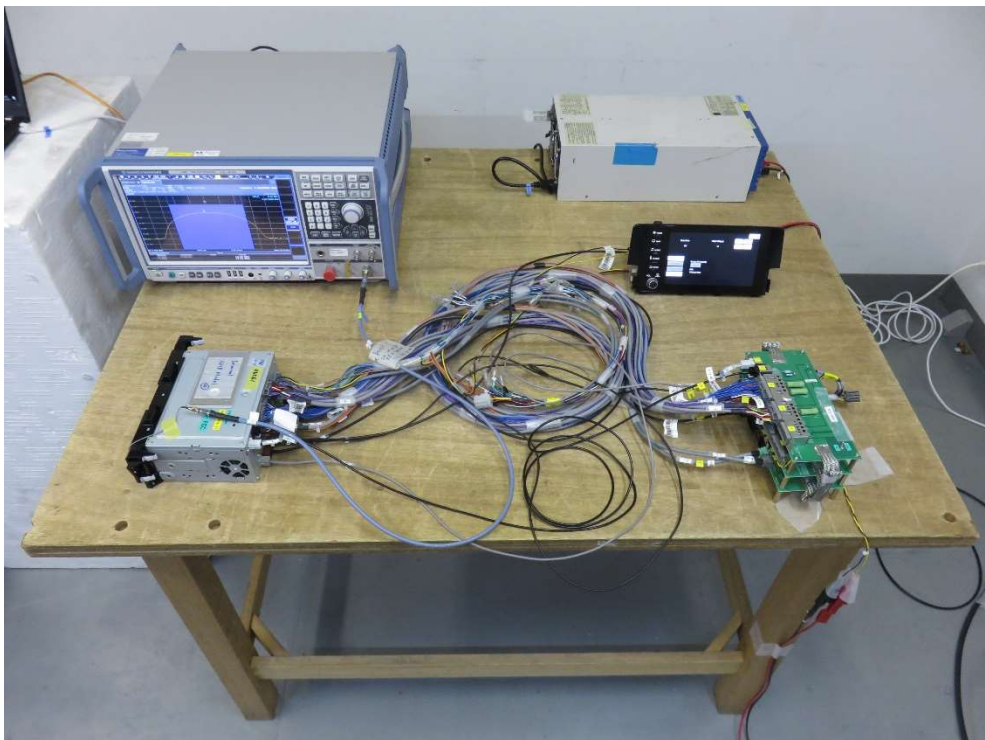
Photograph 3: Set-up for Radiated Emission of Transmitter at GHz Range, Front View



Photograph 4: Set-up for Radiated Emission of Transmitter at GHz Range, Rear View



Photograph 5: Set-up for Antenna Port Connected Test



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– End of test report –