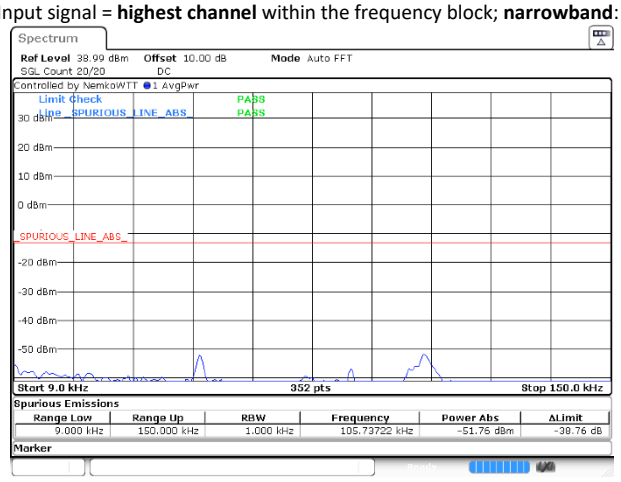
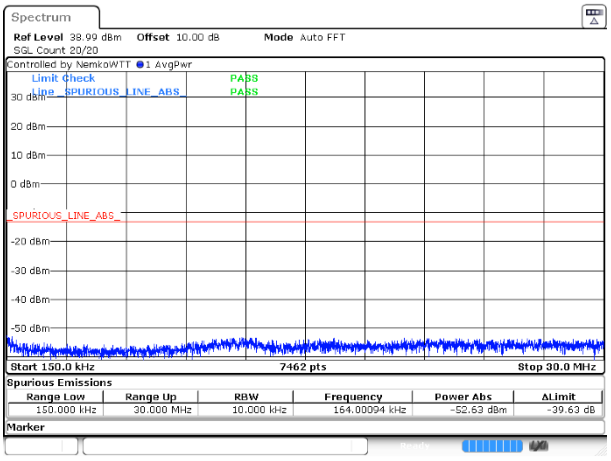
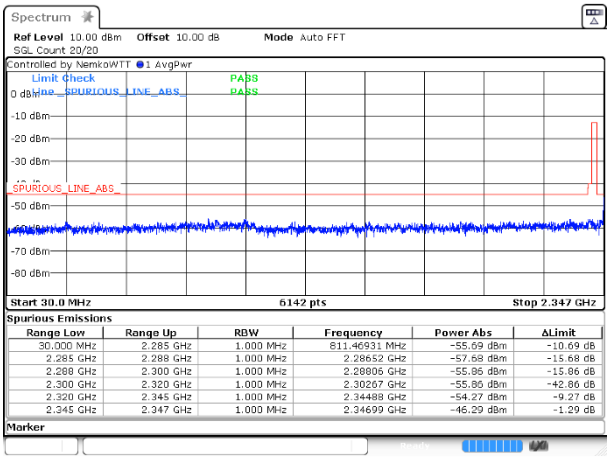
Input signal = **highest channel** within the frequency block; **narrowband**:



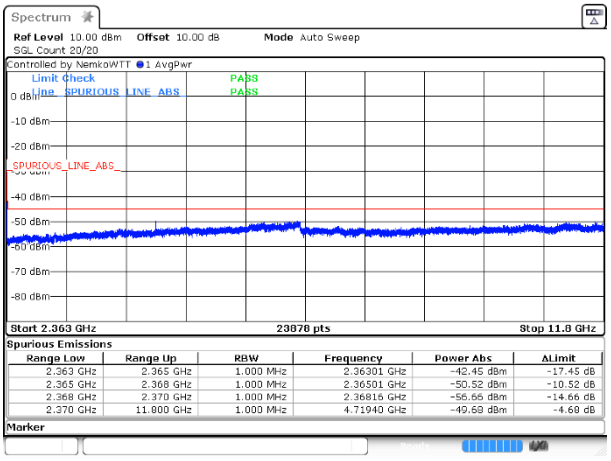
Conducted Spurious Emissions, High channel, NB



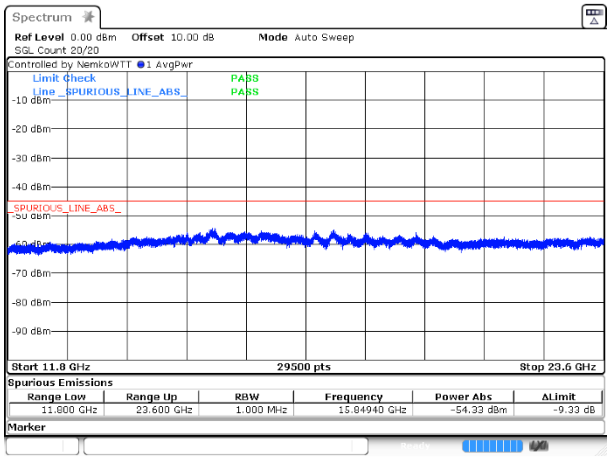
Conducted Spurious Emissions, High channel, NB



Conducted Spurious Emissions, High channel, NB

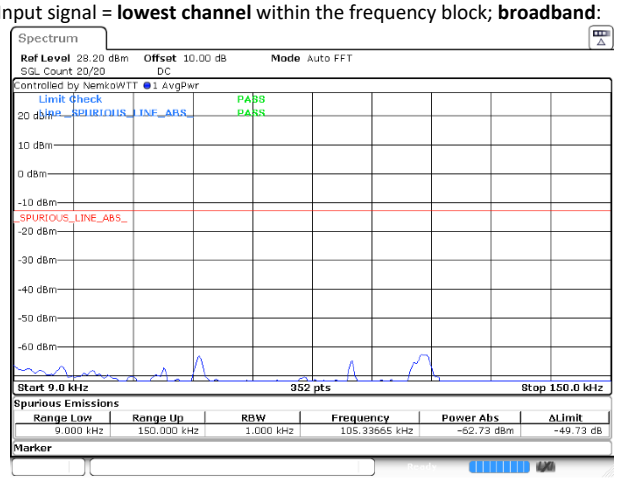


Conducted Spurious Emissions, High channel, NB

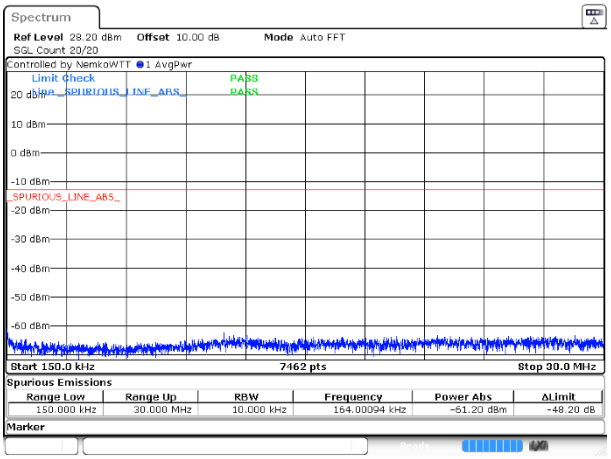


Conducted Spurious Emissions, High channel, NB

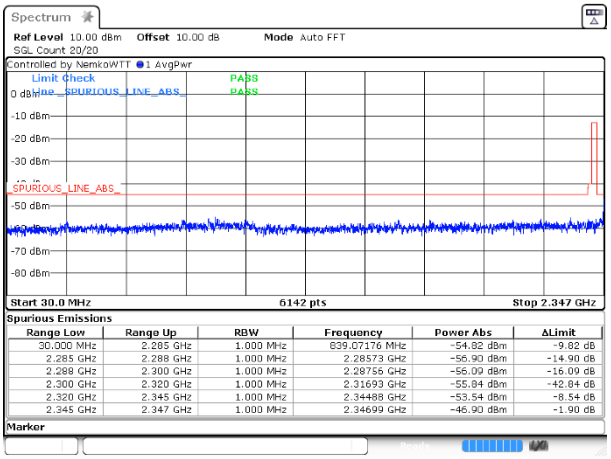
Input signal = **lowest channel** within the frequency block; **broadband**:



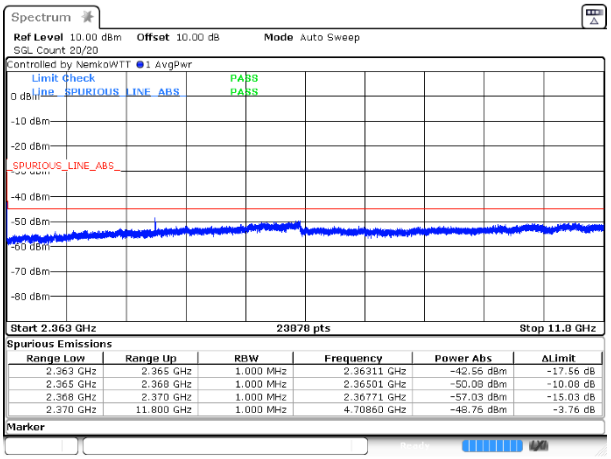
Conducted Spurious Emissions, Low channel, low frequency ran
ge, BB



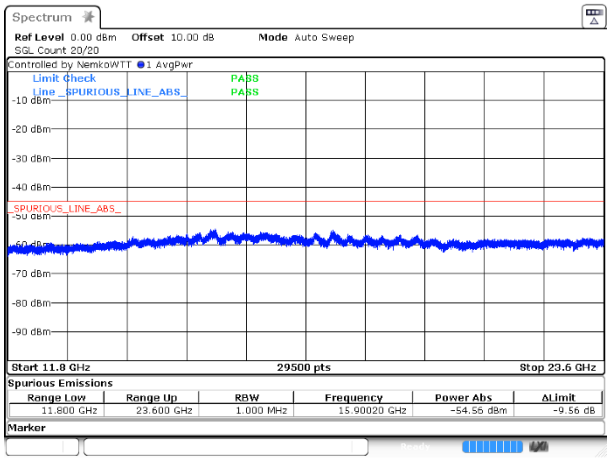
Conducted Spurious Emissions, Low channel, low frequency ran
ge, BB



Conducted Spurious Emissions, Low channel, low frequency ran
ge, BB

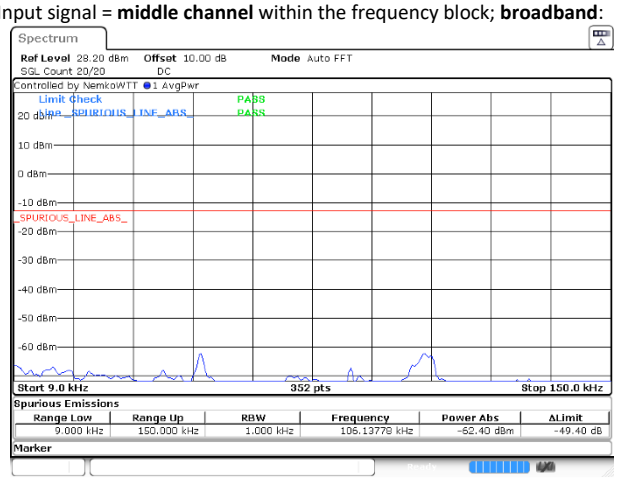


Conducted Spurious Emissions, Low channel, low frequency ran
ge, BB

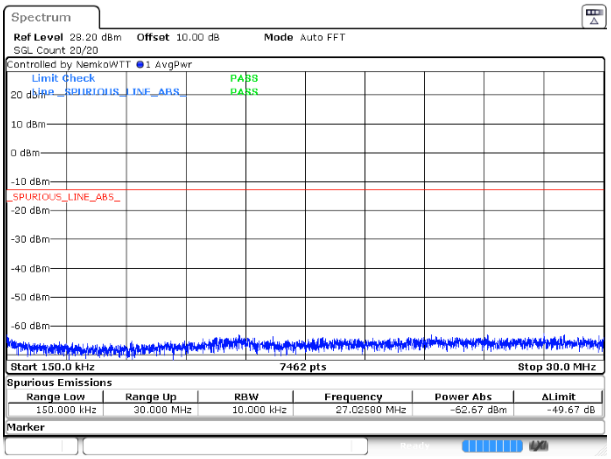


Conducted Spurious Emissions, Low channel, low frequency ran
ge, BB

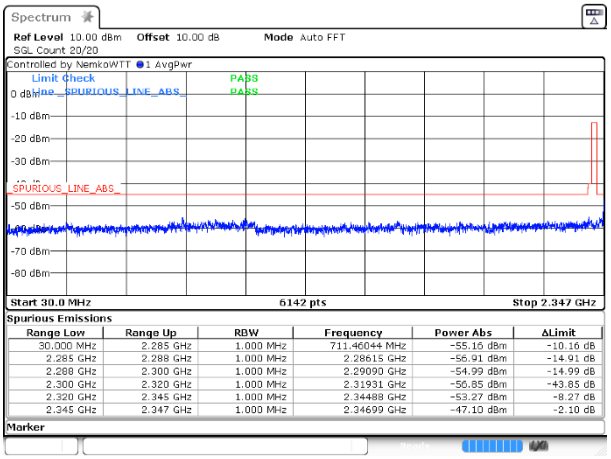
Input signal = **middle channel** within the frequency block; **broadband**:



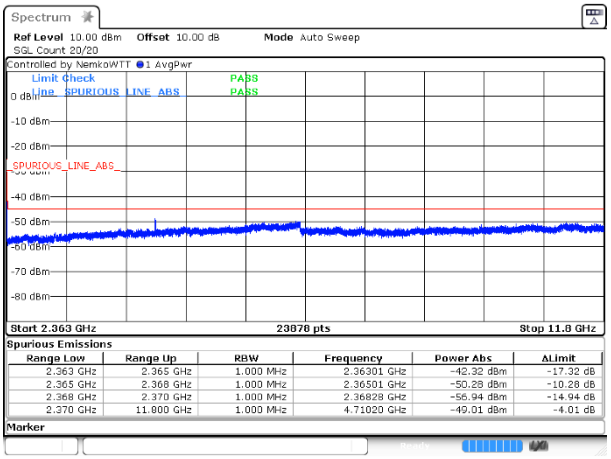
Conducted Spurious Emissions, Middle channel, BB



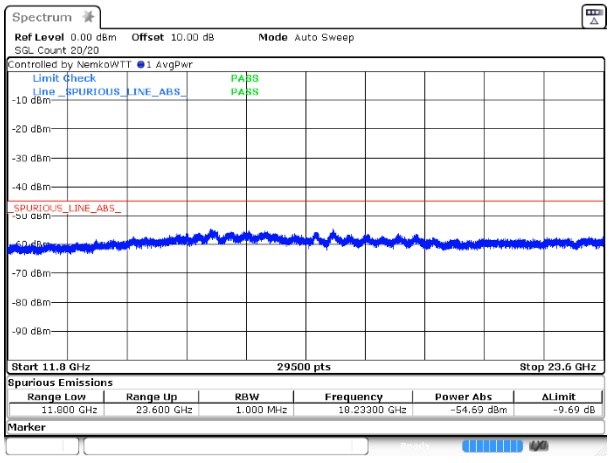
Conducted Spurious Emissions, Middle channel, BB



Conducted Spurious Emissions, Middle channel, BB

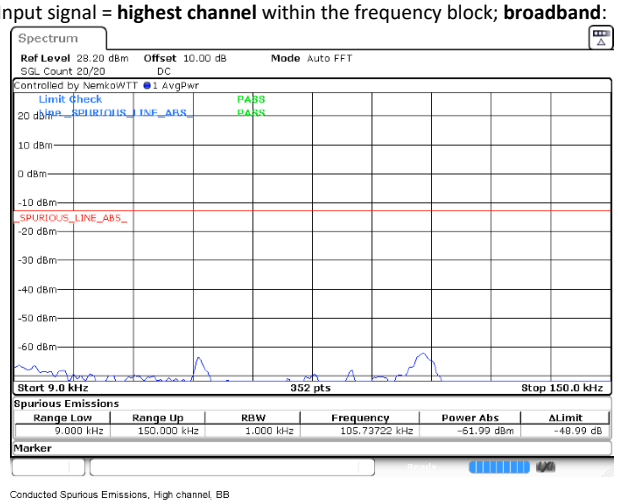


Conducted Spurious Emissions, Middle channel, BB

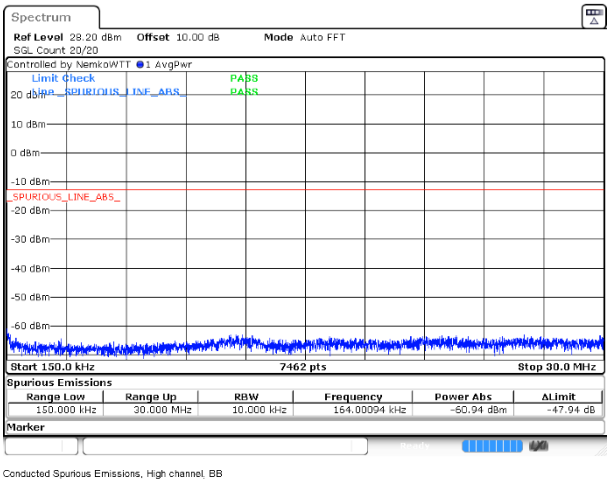


Conducted Spurious Emissions, Middle channel, BB

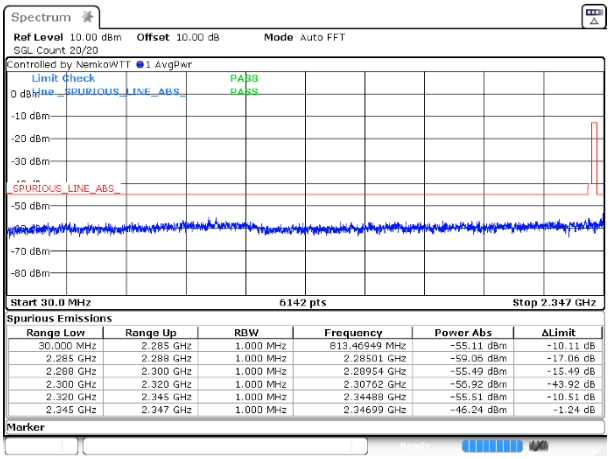
Input signal = **highest channel** within the frequency block; **broadband**:



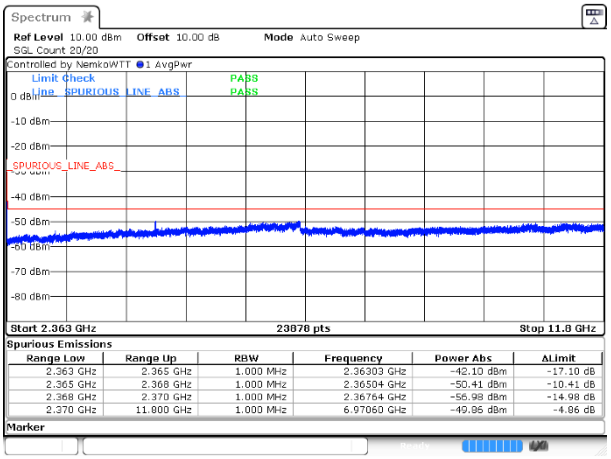
Conducted Spurious Emissions, High channel, BB



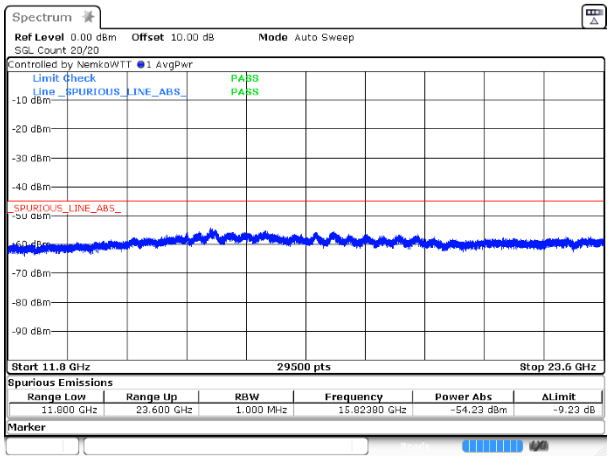
Conducted Spurious Emissions, High channel, BB



Conducted Spurious Emissions, High channel, BB



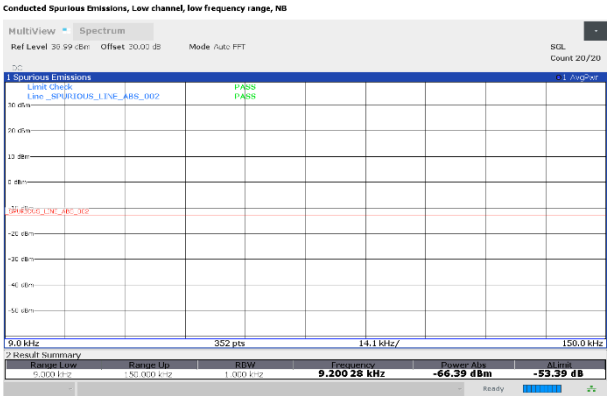
Conducted Spurious Emissions, High channel, BB

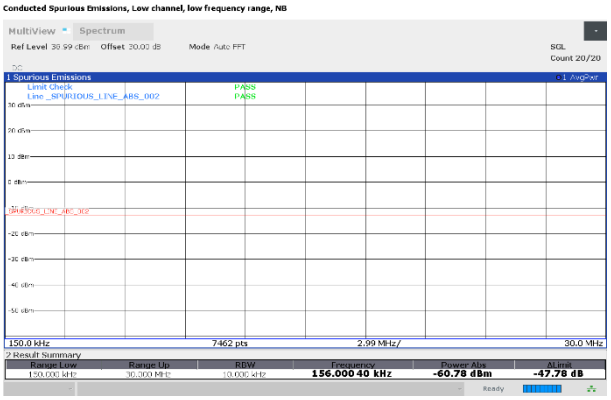


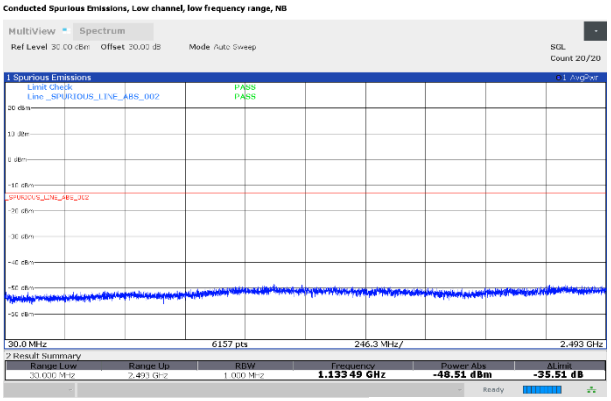
Conducted Spurious Emissions, High channel, BB

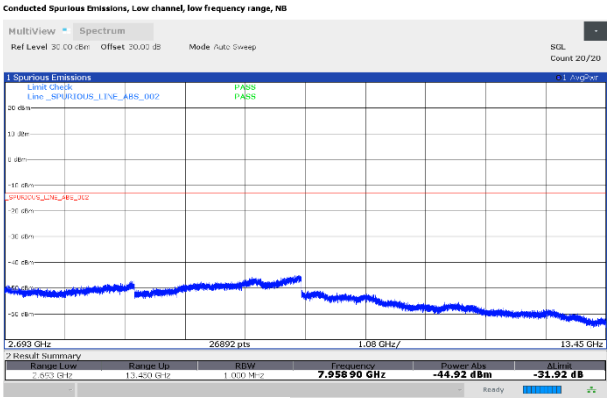
8.5.6.5 Operating frequency band: Band 41: 2496 – 2690 MHz

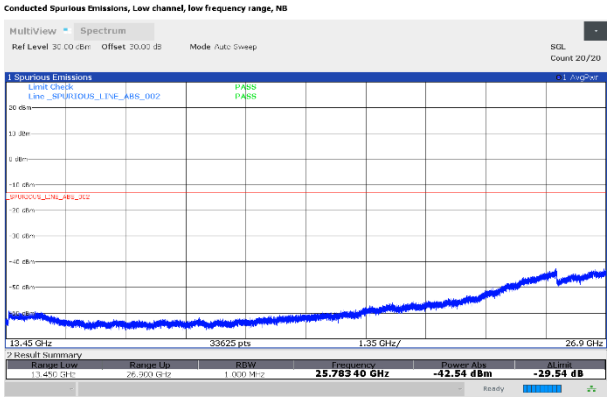
Input signal = **lowest channel** within the frequency block; **narrowband**:



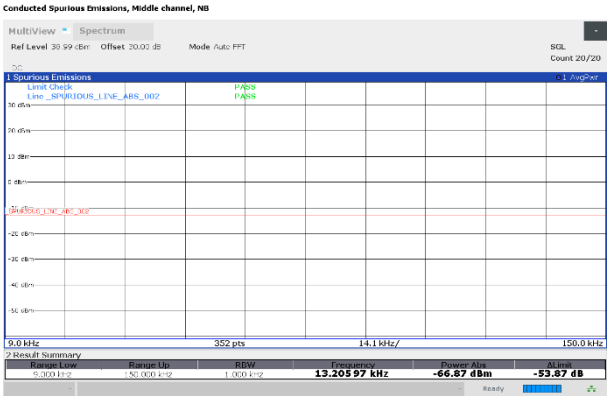


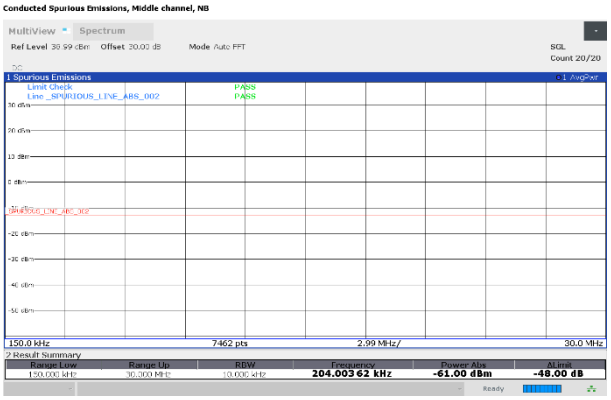


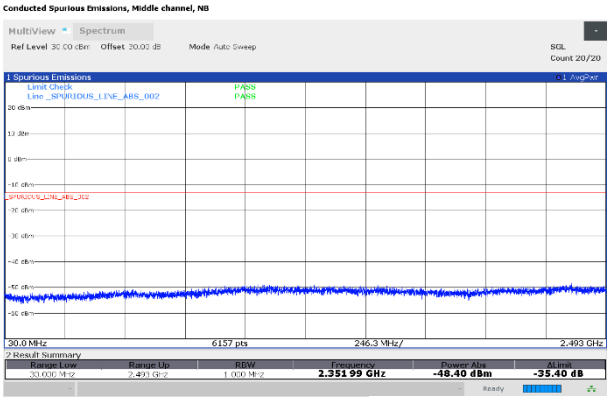


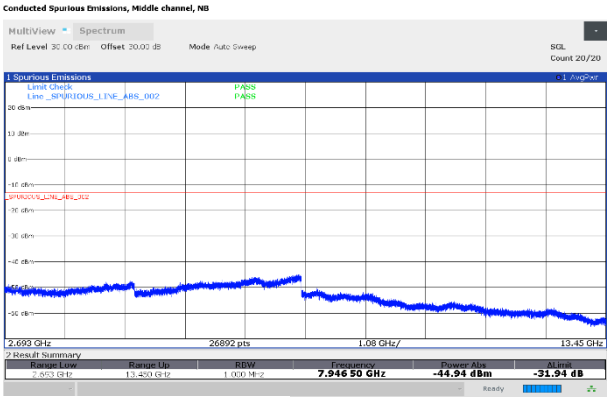


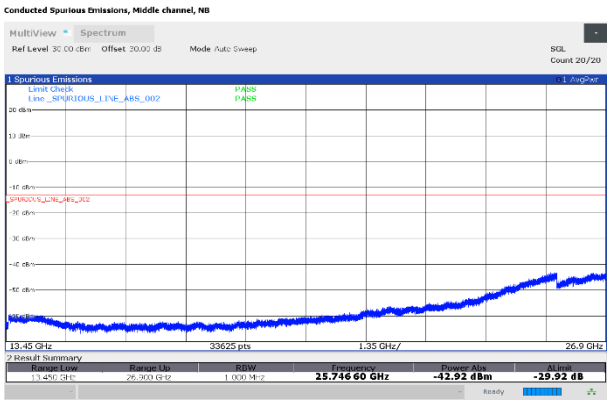
Input signal = **middle channel** within the frequency block; **narrowband**:









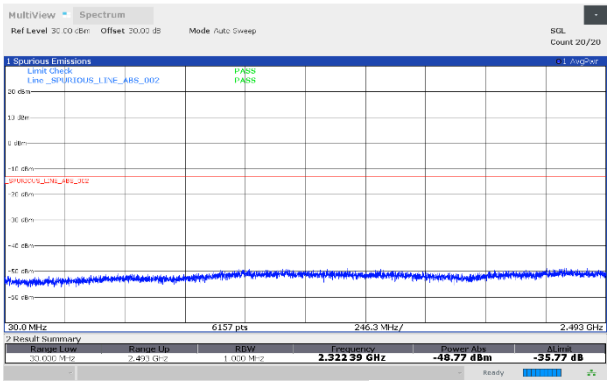


Input signal = **highest channel** within the frequency block; **narrowband**:

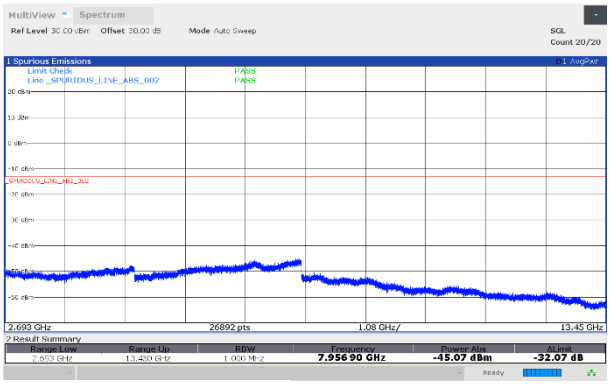
Conducted Spurious Emissions, High channel, NB

Conducted Spurious Emissions, High channel, NB

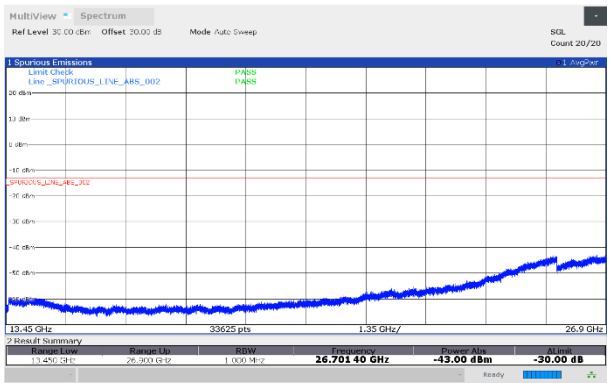
Conducted Spurious Emissions, High channel, NB



Conducted Spurious Emissions, High channel, NB



Conducted Spurious Emissions, High channel, NB

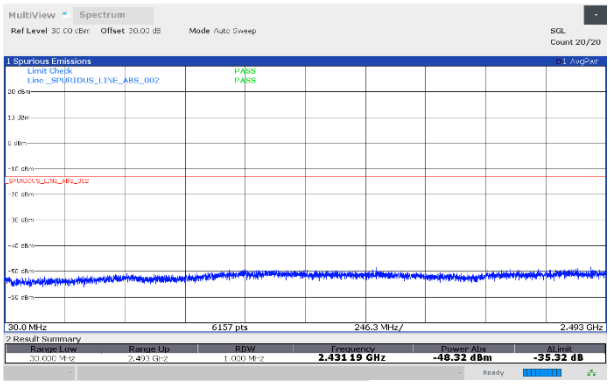


Input signal = **lowest channel** within the frequency block; **broadband**:

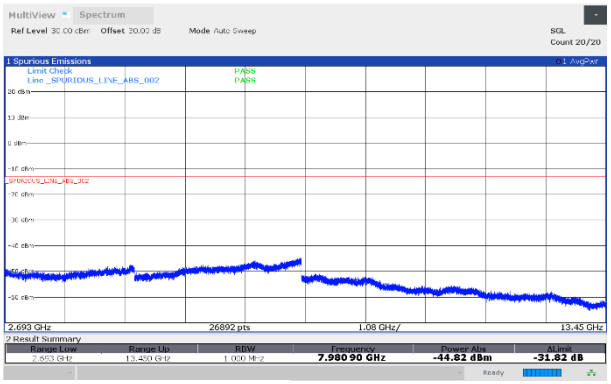
Conducted Spurious Emissions, Low channel, low frequency range, BB

Conducted Spurious Emissions, Low channel, low frequency range, BB

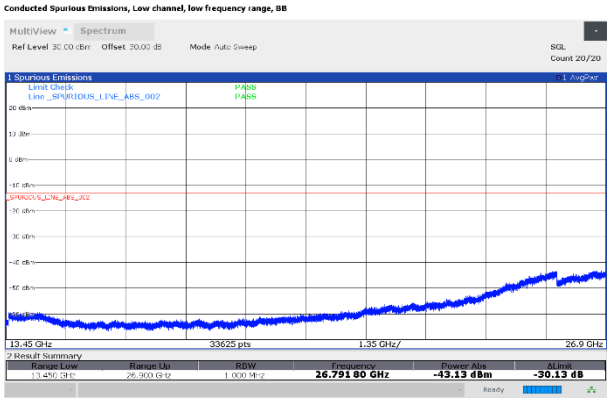
Conducted Spurious Emissions, Low channel, low frequency range, BB



Conducted Spurious Emissions, Low channel, low frequency range, BB



Conducted Spurious Emissions, Low channel, low frequency range, BB

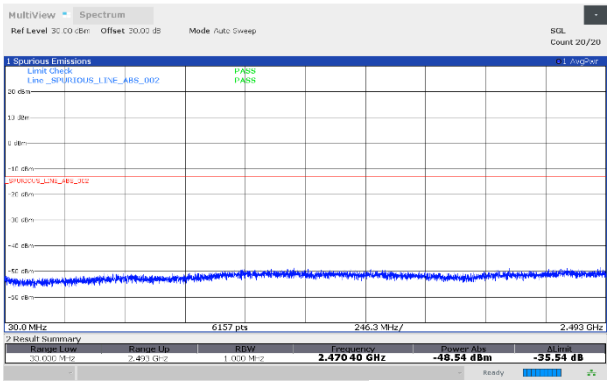


Input signal = **middle channel** within the frequency block; **broadband**:

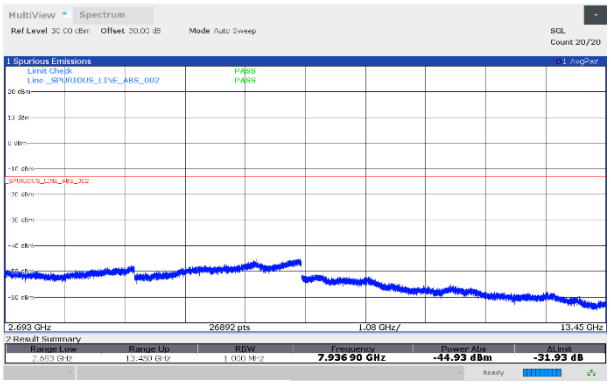
Conducted Spurious Emissions, Middle channel, BB

Conducted Spurious Emissions, Middle channel, BB

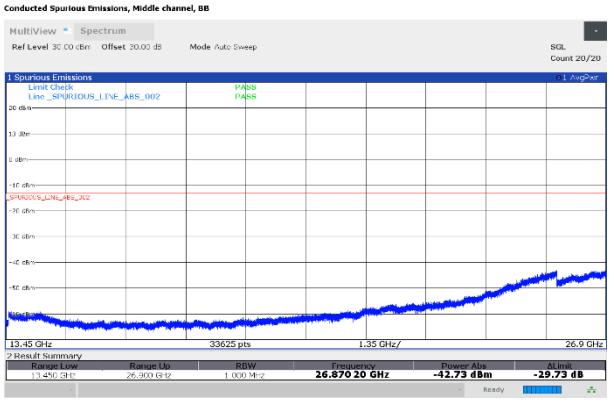
Conducted Spurious Emissions, Middle channel, BB



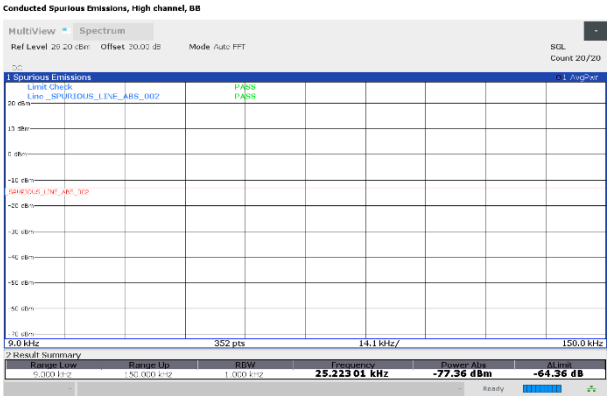
Conducted Spurious Emissions, Middle channel, BB

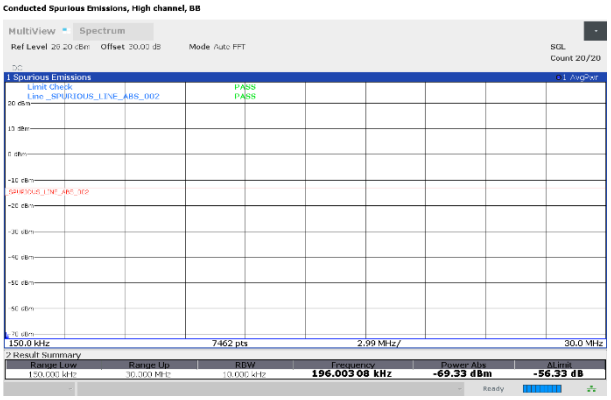


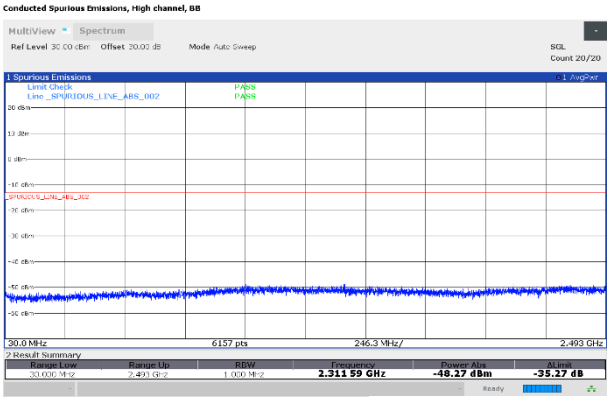
Conducted Spurious Emissions, Middle channel, BB

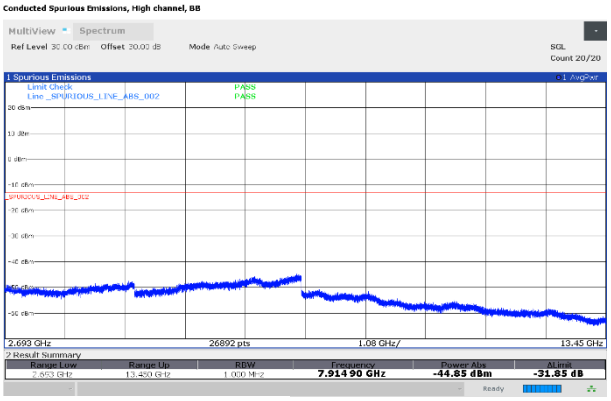


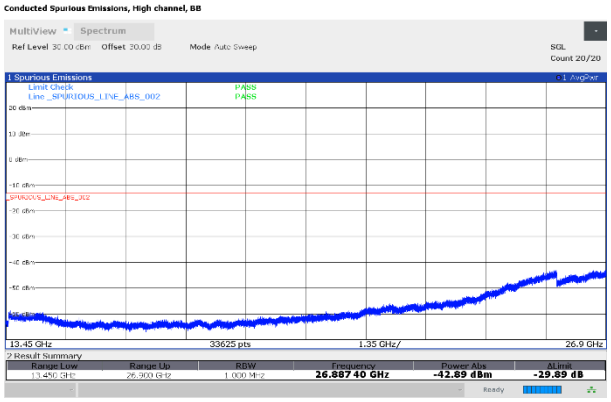
Input signal = **highest channel** within the frequency block; **broadband**:











8.6 Radiated spurious emissions

8.6.1 References and limits

- FCC Part 24.232 (band 25 operation)
- FCC Part 27.53(a) (band 30 operation)
- FCC Part 27.53(h) (band 66, and 70 operation)
- FCC Part 27.53(m) (band 41 operation)
- ANSI C63.26 Clause 7.2.2.5
- KDB 935210 D05v01r05 Clause 3.8

8.6.2 Test summary

Verdict	Pass		
Test date	January 25, 2024 February 8, 2024	Temperature	20 °C
Test engineer	Lan Sayasane, EMC Test Engineer	Air pressure	1009 mbar
Test location	☒ 10m semi anechoic chamber ☒ 3m semi anechoic chamber ☐ Other:	Relative humidity	51 %

8.6.3 Notes

Testing was performed with a narrowband test signal (MSK modulated, gaussian filter of 0.3 and data rate 270 kbps) and a broadband signal (AWGN, 4.1 MHz 99% occupied bandwidth) on lowest, middle, and highest channels of each supported frequency band. Only the worst-case data (broadband signal) are presented here.

In the range 30 – 1000 MHz, radiated emissions were essentially identical for all operational modes. Thus, data in this range is only presented for one representative operational mode (band 30 operation chosen since the emissions limit is the most stringent).

8.6.4 Setup details

EUT power input during test	120 VAC / 60 Hz
EUT setup configuration	☒ Table-top ☐ Floor standing ☐ Other:
Measurement details	Receiver/spectrum analyzer settings for frequencies below 1 GHz:

Resolution bandwidth	100 kHz
Detector mode	– Peak (Preview measurement)
Trace mode	Max Hold
Measurement time	– 100 ms (Peak preview measurement) – 5000 ms (Peak final measurement)

Receiver/spectrum analyzer settings for frequencies above 1 GHz:

Resolution bandwidth	1 MHz
Detector mode	Peak (Preview measurement) Peak (Final measurement)
Trace mode	Max Hold
Measurement time	– 100 ms (Peak preview measurement) – 5000 ms (Peak final measurement)

8.6.5 Test data

8.6.5.1 Operating frequency band: Band 25: 1930 – 1995 MHz

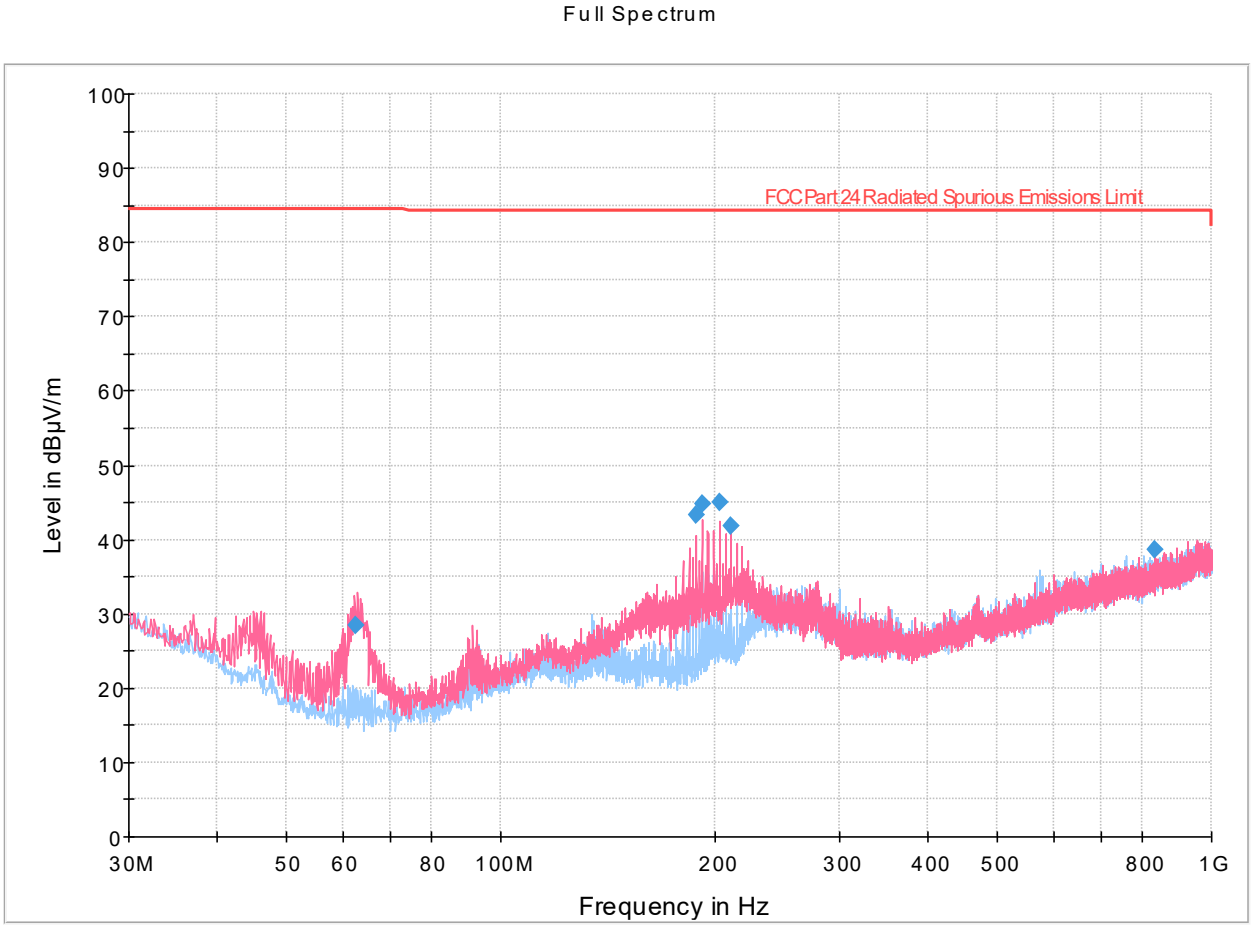


Figure 8.6-1: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 25 (1930 MHz)*

Table 8.6-1*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
62.520000	28.50	84.40	55.90	5000.0	100.000	106.0	V	-1.0	12.6
188.170000	43.40	84.39	40.98	5000.0	100.000	98.0	V	226.0	17.0
192.010000	44.83	84.39	39.56	5000.0	100.000	98.0	V	228.0	17.1
203.513000	44.98	84.39	39.41	5000.0	100.000	106.0	V	48.0	17.8
211.199000	41.93	84.39	42.46	5000.0	100.000	98.0	V	230.0	17.8
830.944000	38.69	84.38	45.69	5000.0	100.000	240.0	V	164.0	31.8

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

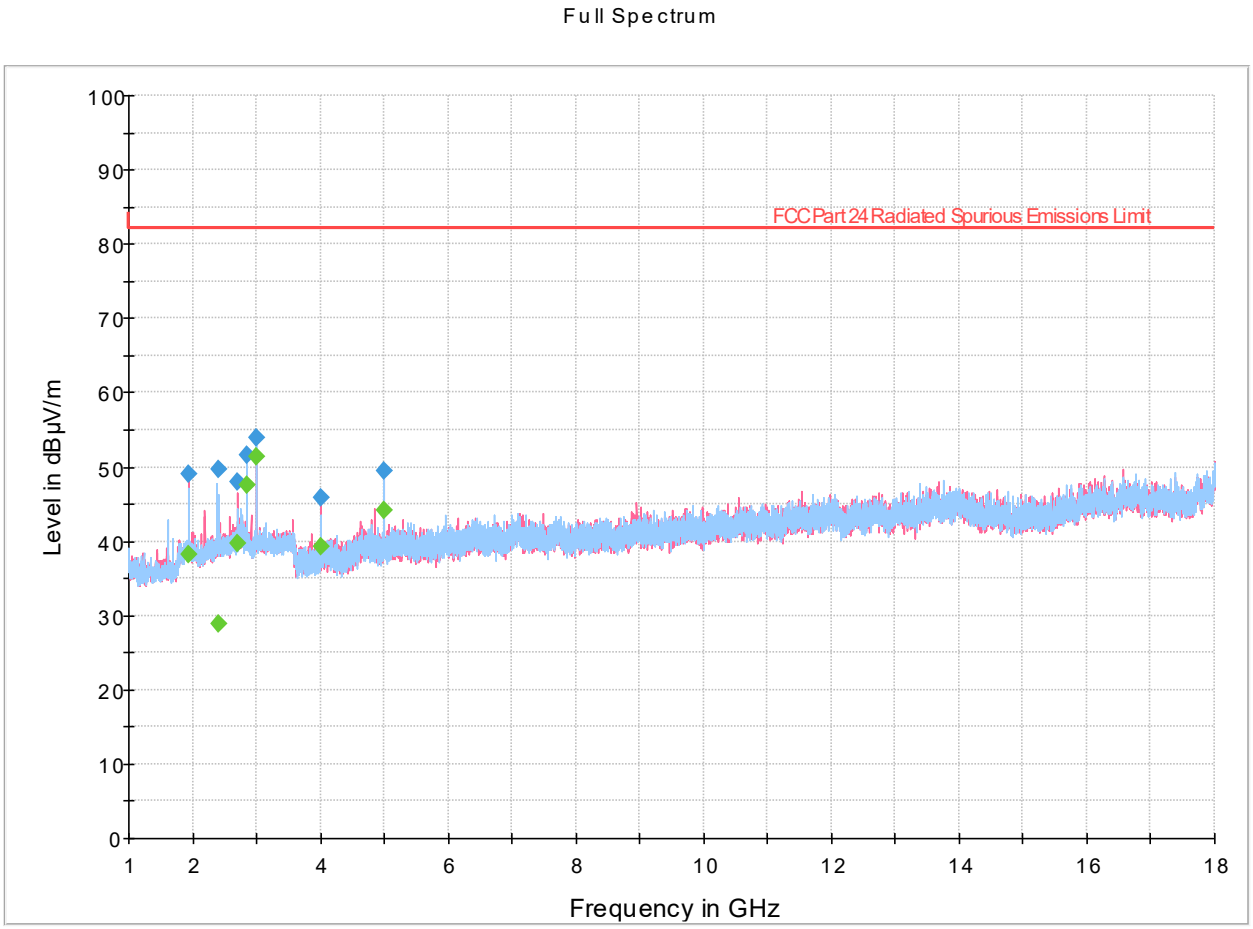


Figure 8.6-2: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 25 (1930 MHz)*

Table 8.6-2*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1930.100000	48.97	---	82.23	33.26	5000.0	1000.000	112.0	V	11.0	-6.6
1930.100000	---	38.18	---	---	5000.0	1000.000	112.0	V	11.0	-6.6
2394.800000	49.69	---	82.23	32.54	5000.0	1000.000	204.0	H	243.0	-5.3
2394.800000	---	28.84	---	---	5000.0	1000.000	204.0	H	243.0	-5.3
2714.600000	---	39.61	---	---	5000.0	1000.000	269.0	V	114.0	-4.6
2714.600000	47.90	---	82.23	34.33	5000.0	1000.000	269.0	V	114.0	-4.6
2857.000000	51.64	---	82.23	30.59	5000.0	1000.000	245.0	H	137.0	-4.0
2857.000000	---	47.53	---	---	5000.0	1000.000	245.0	H	137.0	-4.0
3000.200000	53.91	---	82.23	28.32	5000.0	1000.000	178.0	H	152.0	-3.5
3000.200000	---	51.41	---	---	5000.0	1000.000	178.0	H	152.0	-3.5
3999.850000	45.90	---	82.23	36.33	5000.0	1000.000	192.0	V	73.0	-1.2
3999.850000	---	39.21	---	---	5000.0	1000.000	192.0	V	73.0	-1.2
4999.850000	49.52	---	82.23	32.71	5000.0	1000.000	106.0	V	73.0	0.3
4999.850000	---	44.12	---	---	5000.0	1000.000	106.0	V	73.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

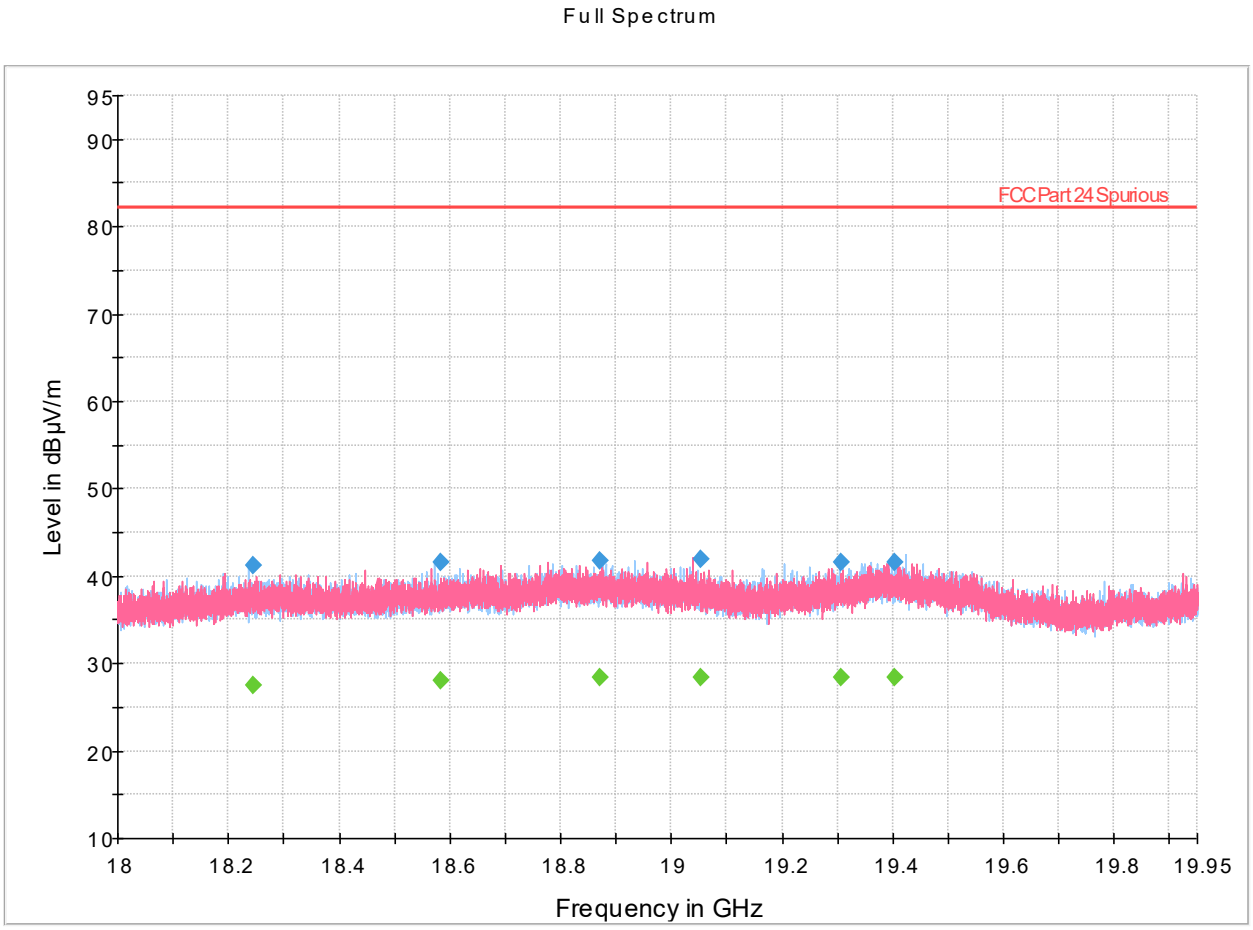


Figure 8.6-3: *Radiated emissions spectral plot (18 GHz - 19.95 GHz) – Band 25 (1930 MHz)*

Table 8.6-3*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18243.459375	---	27.55	---	---	5000.0	1000.000	253.0	H	325.0	15.5
18243.459375	41.28	---	82.23	40.95	5000.0	1000.000	253.0	H	325.0	15.5
18584.721875	---	28.10	---	---	5000.0	1000.000	273.0	H	212.0	16.1
18584.721875	41.60	---	82.23	40.63	5000.0	1000.000	273.0	H	212.0	16.1
18871.828125	---	28.43	---	---	5000.0	1000.000	248.0	H	113.0	15.9
18871.828125	41.69	---	82.23	40.54	5000.0	1000.000	248.0	H	113.0	15.9
19052.640625	---	28.50	---	---	5000.0	1000.000	368.0	V	212.0	16.0
19052.640625	42.01	---	82.23	40.22	5000.0	1000.000	368.0	V	212.0	16.0
19307.925000	41.52	---	82.23	40.71	5000.0	1000.000	165.0	H	0.0	16.7
19307.925000	---	28.33	---	---	5000.0	1000.000	165.0	H	0.0	16.7
19402.781250	41.53	---	82.23	40.70	5000.0	1000.000	373.0	H	160.0	16.6
19402.781250	---	28.32	---	---	5000.0	1000.000	373.0	H	160.0	16.6

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

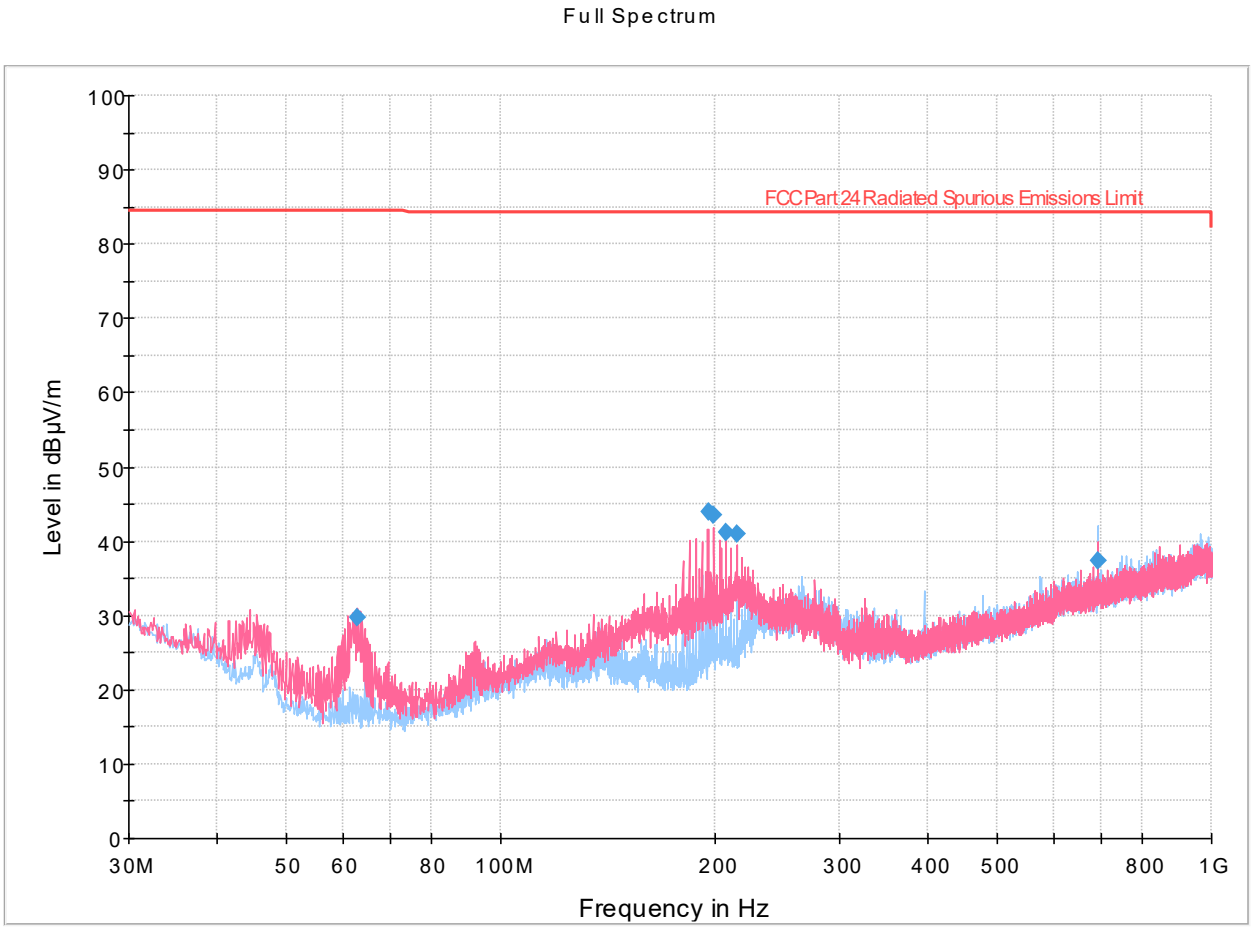


Figure 8.6-4: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 25 (1962.5 MHz)*

Table 8.6-4*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
63.000000	29.82	84.40	54.58	5000.0	100.000	98.0	V	335.0	12.6
195.833000	43.86	84.39	40.53	5000.0	100.000	98.0	V	230.0	17.4
199.673000	43.57	84.39	40.82	5000.0	100.000	98.0	V	232.0	17.6
207.336000	41.13	84.39	43.26	5000.0	100.000	98.0	V	219.0	18.1
215.039000	40.88	84.39	43.51	5000.0	100.000	98.0	V	216.0	17.5
691.018000	37.31	84.38	47.08	5000.0	100.000	278.0	H	86.0	29.9

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

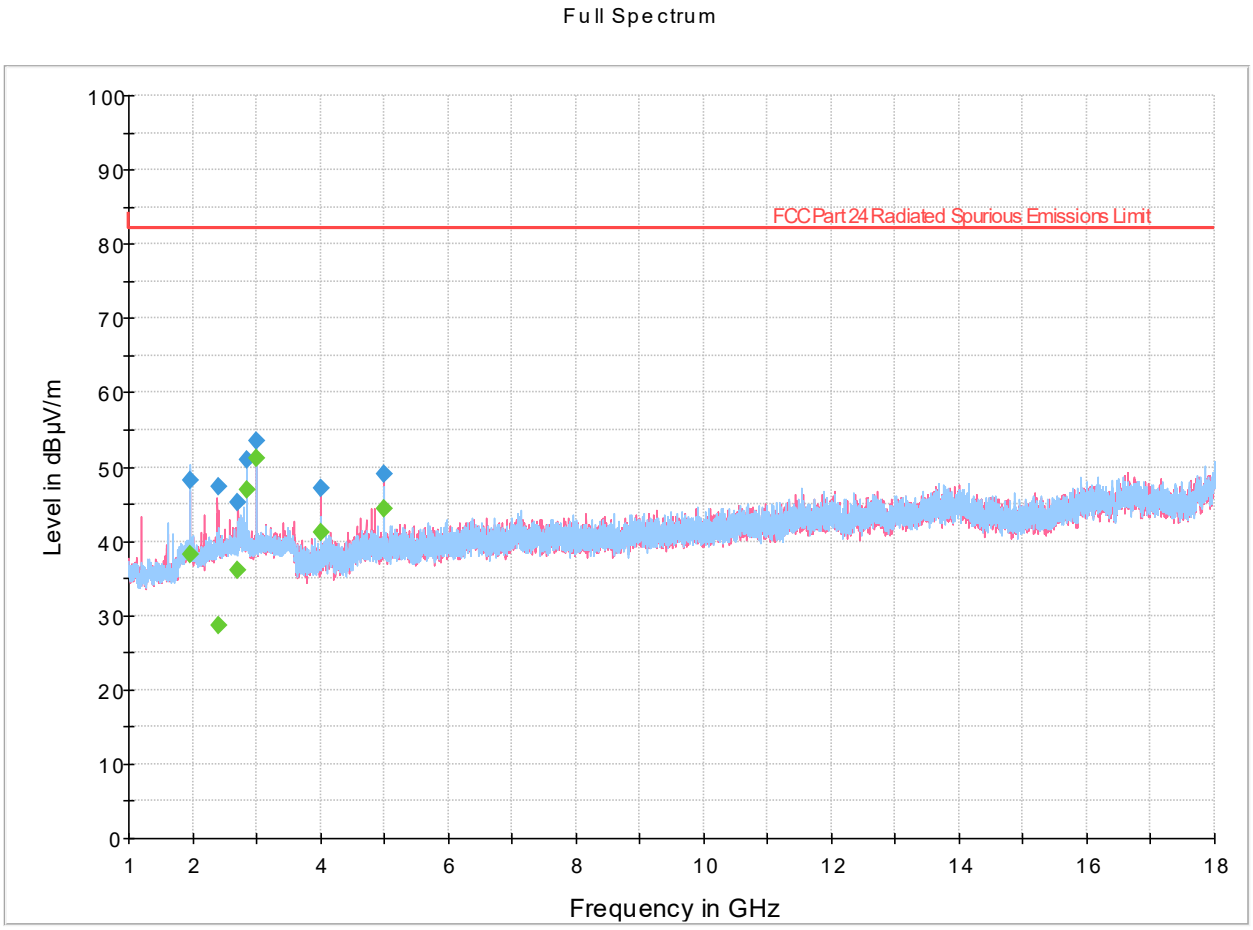


Figure 8.6-5: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 25 (1962.5 MHz)*

Table 8.6-5*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1961.500000	---	38.32	---	---	5000.0	1000.000	145.0	H	21.0	-6.4
1961.500000	48.10	---	82.23	34.13	5000.0	1000.000	145.0	H	21.0	-6.4
2394.600000	47.34	---	82.23	34.89	5000.0	1000.000	267.0	V	138.0	-5.3
2394.600000	---	28.65	---	---	5000.0	1000.000	267.0	V	138.0	-5.3
2714.250000	---	36.07	---	---	5000.0	1000.000	320.0	V	98.0	-4.6
2714.250000	45.27	---	82.23	36.96	5000.0	1000.000	320.0	V	98.0	-4.6
2857.400000	51.00	---	82.23	31.23	5000.0	1000.000	232.0	H	139.0	-4.0
2857.400000	---	46.90	---	---	5000.0	1000.000	232.0	H	139.0	-4.0
2999.800000	53.60	---	82.23	28.63	5000.0	1000.000	179.0	H	152.0	-3.5
2999.800000	---	51.13	---	---	5000.0	1000.000	179.0	H	152.0	-3.5
4000.250000	---	41.24	---	---	5000.0	1000.000	235.0	V	74.0	-1.2
4000.250000	47.19	---	82.23	35.04	5000.0	1000.000	235.0	V	74.0	-1.2
4999.850000	49.11	---	82.23	33.12	5000.0	1000.000	200.0	V	74.0	0.3
4999.850000	---	44.30	---	---	5000.0	1000.000	200.0	V	74.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

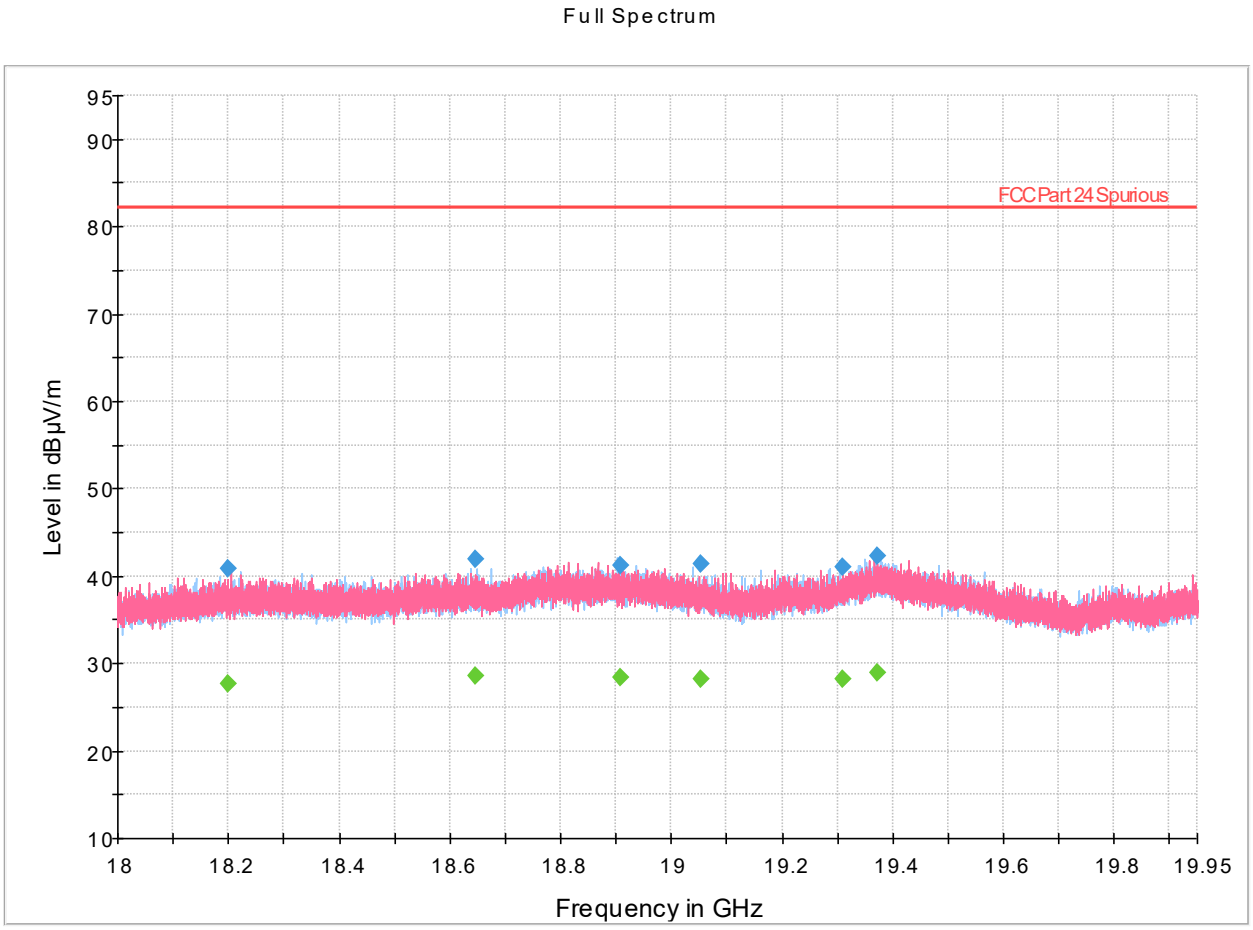


Figure 8.6-6: *Radiated emissions spectral plot (18 GHz - 19.95 GHz) – Band 25 (1962.5 MHz)*

Table 8.6-6*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18198.515625	40.92	---	82.23	41.31	5000.0	1000.000	348.0	V	150.0	15.6
18198.515625	---	27.61	---	---	5000.0	1000.000	348.0	V	150.0	15.6
18646.443750	41.90	---	82.23	40.33	5000.0	1000.000	378.0	H	0.0	16.0
18646.443750	---	28.60	---	---	5000.0	1000.000	378.0	H	0.0	16.0
18907.518750	41.25	---	82.23	40.98	5000.0	1000.000	359.0	H	222.0	15.9
18907.518750	---	28.38	---	---	5000.0	1000.000	359.0	H	222.0	15.9
19052.165625	---	28.28	---	---	5000.0	1000.000	389.0	H	0.0	16.0
19052.165625	41.48	---	82.23	40.75	5000.0	1000.000	389.0	H	0.0	16.0
19309.943750	---	28.14	---	---	5000.0	1000.000	203.0	H	192.0	16.7
19309.943750	41.12	---	82.23	41.11	5000.0	1000.000	203.0	H	192.0	16.7
19372.753125	42.24	---	82.23	39.99	5000.0	1000.000	359.0	V	241.0	16.7
19372.753125	---	28.97	---	---	5000.0	1000.000	359.0	V	241.0	16.7

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

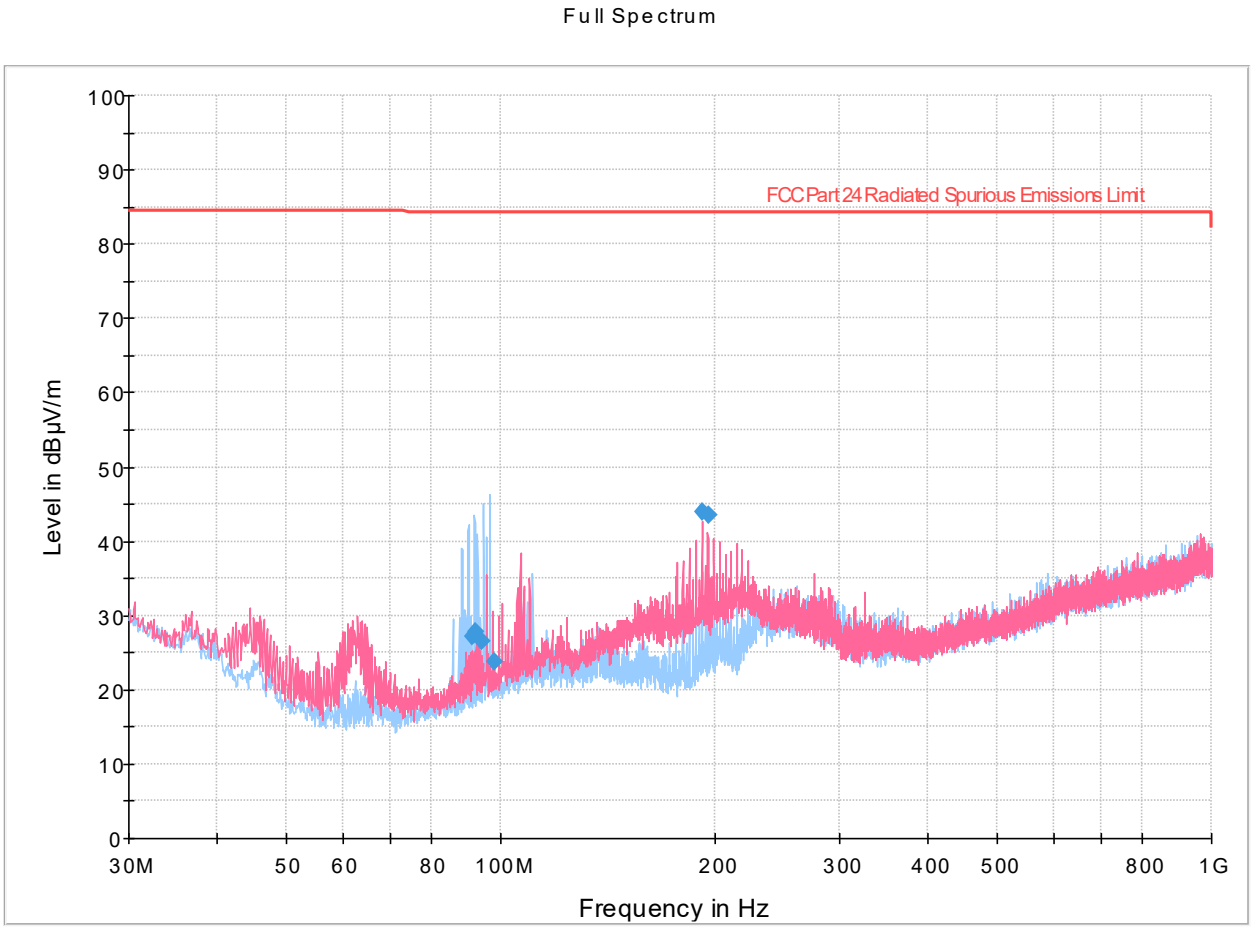


Figure 8.6-7: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 25 (1995 MHz)*

Table 8.6-7*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
91.480000	27.11	84.39	57.29	5000.0	100.000	158.0	H	74.0	16.3
91.986000	27.88	84.39	56.51	5000.0	100.000	179.0	H	112.0	16.4
93.999000	26.56	84.39	57.84	5000.0	100.000	350.0	H	268.0	16.8
97.939000	23.80	84.39	60.60	5000.0	100.000	401.0	H	256.0	17.4
192.010000	43.97	84.39	40.42	5000.0	100.000	98.0	V	221.0	17.1
195.833000	43.49	84.39	40.90	5000.0	100.000	98.0	V	229.0	17.4

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

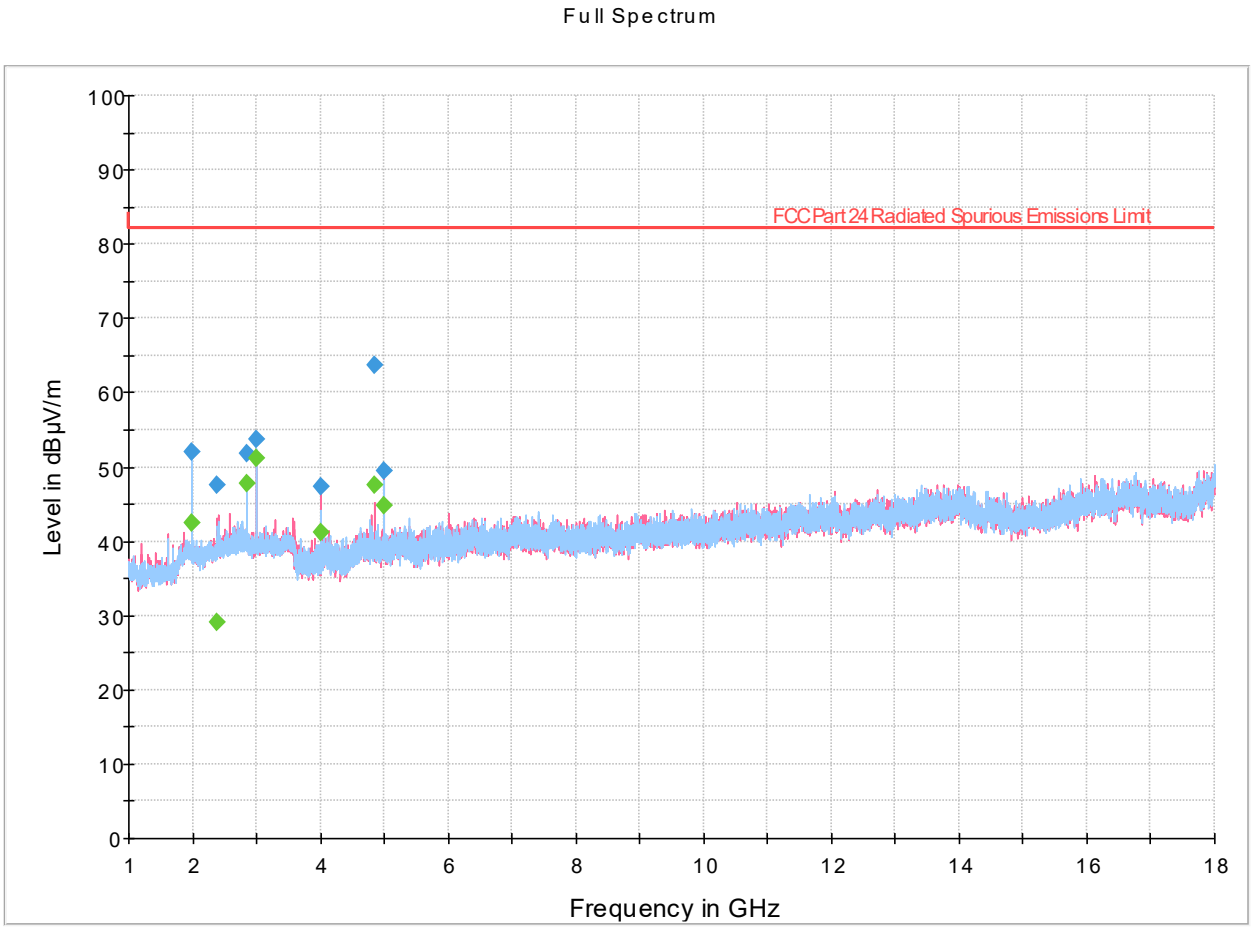


Figure 8.6-8: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 25 (1995 MHz)*

Table 8.6-8*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1994.800000	---	42.42	---	---	5000.0	1000.000	118.0	H	34.0	-6.9
1994.800000	52.03	---	82.23	30.20	5000.0	1000.000	118.0	H	34.0	-6.9
2391.300000	47.63	---	82.23	34.60	5000.0	1000.000	172.0	V	74.0	-5.3
2391.300000	---	29.09	---	---	5000.0	1000.000	172.0	V	74.0	-5.3
2857.000000	---	47.68	---	---	5000.0	1000.000	239.0	H	138.0	-4.0
2857.000000	51.73	---	82.23	30.50	5000.0	1000.000	239.0	H	138.0	-4.0
2999.800000	53.74	---	82.23	28.49	5000.0	1000.000	178.0	H	152.0	-3.5
2999.800000	---	51.11	---	---	5000.0	1000.000	178.0	H	152.0	-3.5
4000.250000	47.28	---	82.23	34.95	5000.0	1000.000	235.0	V	74.0	-1.2
4000.250000	---	41.13	---	---	5000.0	1000.000	235.0	V	74.0	-1.2
4857.050000	63.66	---	82.23	18.57	5000.0	1000.000	153.0	V	74.0	0.1
4857.050000	---	47.64	---	---	5000.0	1000.000	153.0	V	74.0	0.1
5000.250000	---	44.73	---	---	5000.0	1000.000	187.0	V	76.0	0.3
5000.250000	49.54	---	82.23	32.69	5000.0	1000.000	187.0	V	76.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

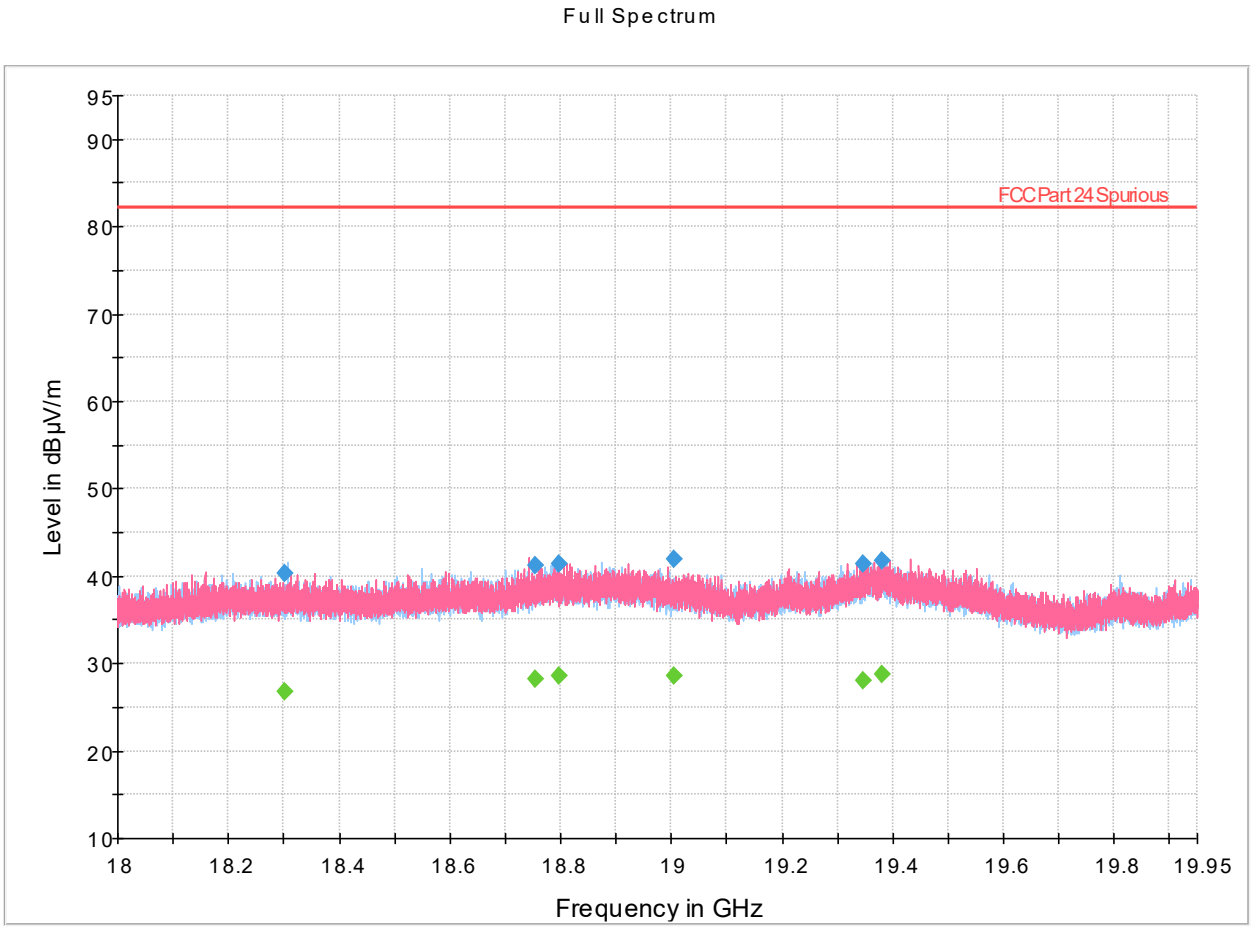


Figure 8.6-9: *Radiated emissions spectral plot (18 GHz - 19.95 GHz) – Band 25 (1995 MHz)*

Table 8.6-9*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18301.603125	---	26.86	---	---	5000.0	1000.000	117.0	H	314.0	15.4
18301.603125	40.25	---	82.23	41.98	5000.0	1000.000	117.0	H	314.0	15.4
18753.562500	41.24	---	82.23	40.99	5000.0	1000.000	400.0	V	93.0	15.9
18753.562500	---	28.20	---	---	5000.0	1000.000	400.0	V	93.0	15.9
18796.593750	---	28.57	---	---	5000.0	1000.000	365.0	V	0.0	15.9
18796.593750	41.42	---	82.23	40.81	5000.0	1000.000	365.0	V	0.0	15.9
19004.690625	41.85	---	82.23	40.38	5000.0	1000.000	243.0	V	177.0	16.0
19004.690625	---	28.56	---	---	5000.0	1000.000	243.0	V	177.0	16.0
19346.850000	41.34	---	82.23	40.89	5000.0	1000.000	215.0	V	304.0	16.7
19346.850000	---	28.11	---	---	5000.0	1000.000	215.0	V	304.0	16.7
19381.434375	41.81	---	82.23	40.42	5000.0	1000.000	381.0	V	0.0	16.6
19381.434375	---	28.78	---	---	5000.0	1000.000	381.0	V	0.0	16.6

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

8.6.5.2 Operating frequency band: Band 70: 1995 – 2020 MHz

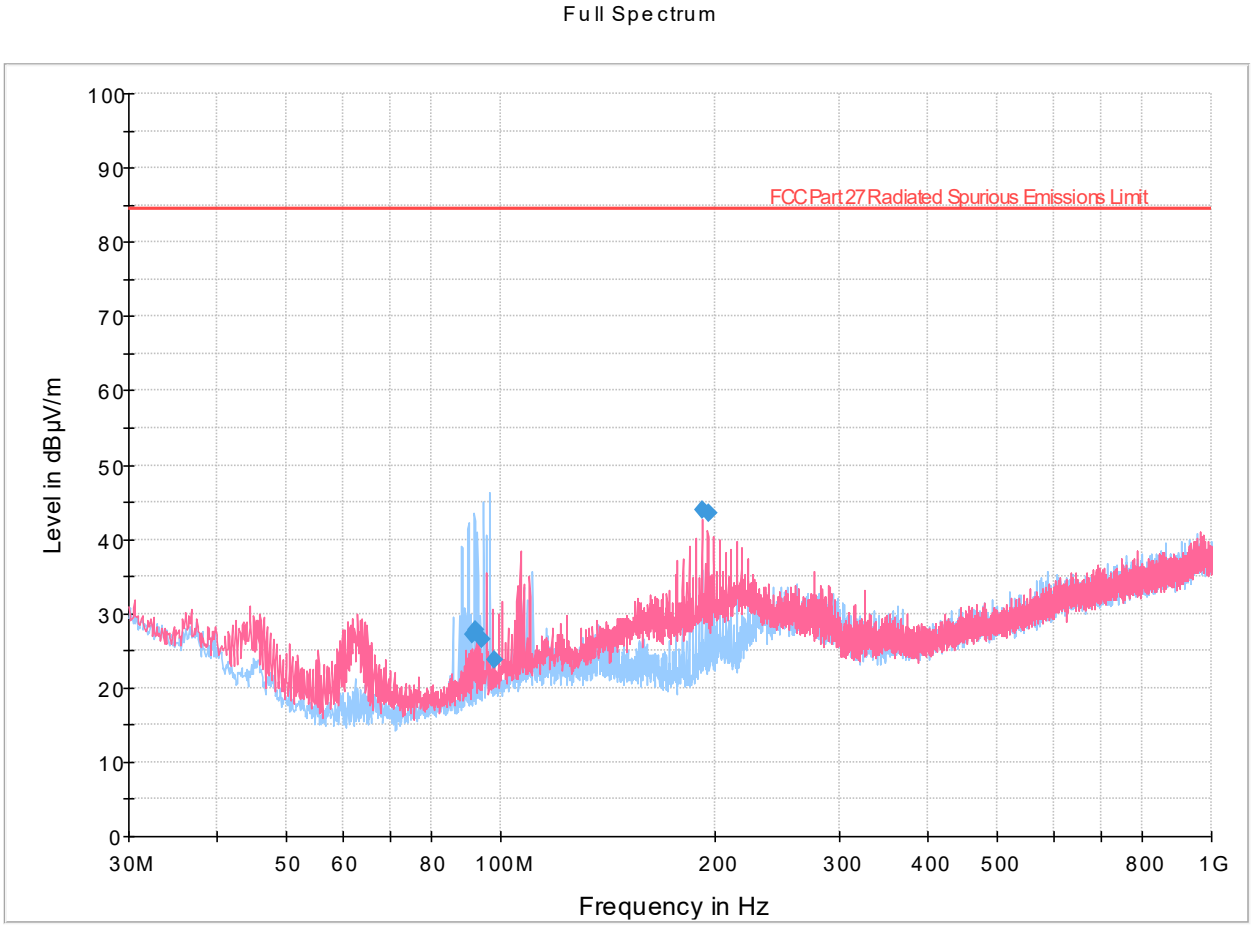


Figure 8.6-10: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 70 (1995 MHz)*

Table 8.6-10*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
91.480000	27.11	84.40	57.29	5000.0	100.000	158.0	H	74.0	16.3
91.986000	27.88	84.40	56.52	5000.0	100.000	179.0	H	112.0	16.4
93.999000	26.56	84.40	57.84	5000.0	100.000	350.0	H	268.0	16.8
97.939000	23.80	84.40	60.60	5000.0	100.000	401.0	H	256.0	17.4
192.010000	43.97	84.40	40.43	5000.0	100.000	98.0	V	221.0	17.1
195.833000	43.49	84.40	40.91	5000.0	100.000	98.0	V	229.0	17.4

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

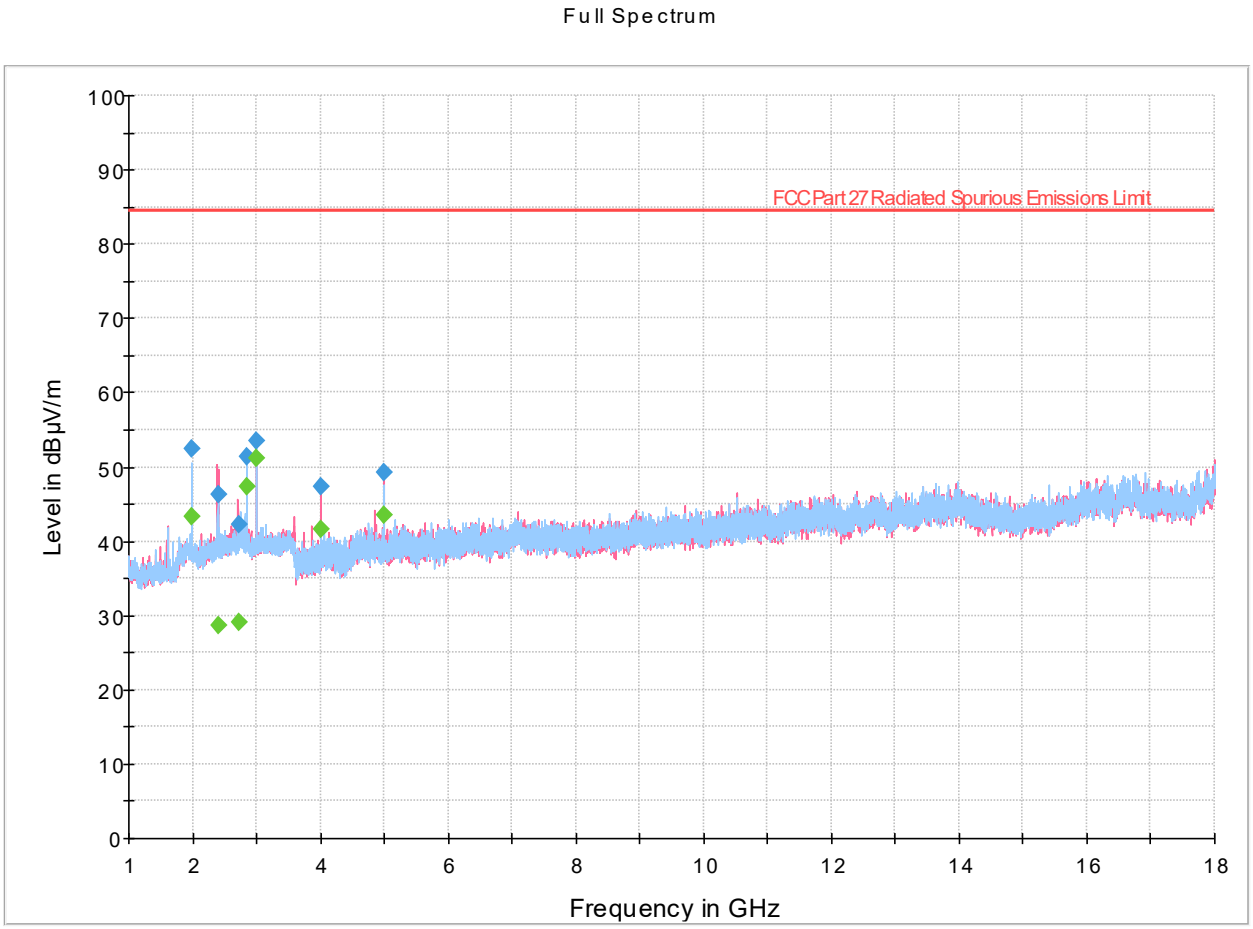


Figure 8.6-11: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 70 (1995 MHz)*

Table 8.6-11*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1995.850000	---	43.26	---	---	5000.0	1000.000	125.0	H	35.0	-7.0
1995.850000	52.52	---	84.40	31.88	5000.0	1000.000	125.0	H	35.0	-7.0
2398.050000	---	28.59	---	---	5000.0	1000.000	254.0	V	137.0	-5.3
2398.050000	46.33	---	84.40	38.07	5000.0	1000.000	254.0	V	137.0	-5.3
2715.050000	42.27	---	84.40	42.13	5000.0	1000.000	153.0	V	88.0	-4.6
2715.050000	---	29.14	---	---	5000.0	1000.000	153.0	V	88.0	-4.6
2857.000000	51.42	---	84.40	32.98	5000.0	1000.000	226.0	H	138.0	-4.0
2857.000000	---	47.32	---	---	5000.0	1000.000	226.0	H	138.0	-4.0
2999.850000	53.56	---	84.40	30.84	5000.0	1000.000	178.0	H	151.0	-3.5
2999.850000	---	51.14	---	---	5000.0	1000.000	178.0	H	151.0	-3.5
3999.850000	---	41.61	---	---	5000.0	1000.000	226.0	V	74.0	-1.2
3999.850000	47.36	---	84.40	37.04	5000.0	1000.000	226.0	V	74.0	-1.2
4999.850000	49.17	---	84.40	35.23	5000.0	1000.000	106.0	V	73.0	0.3
4999.850000	---	43.44	---	---	5000.0	1000.000	106.0	V	73.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

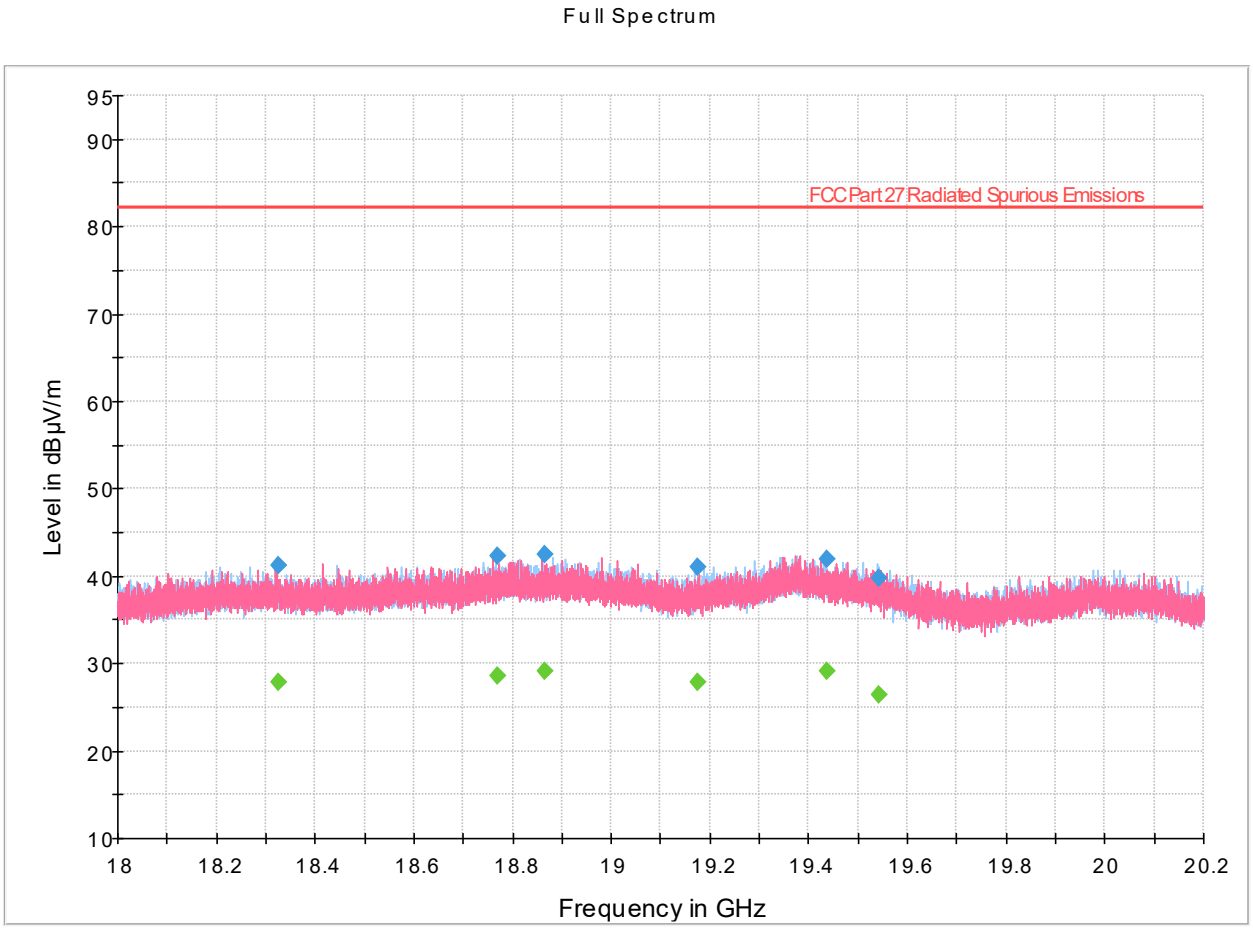


Figure 8.6-12: *Radiated emissions spectral plot (18 GHz - 20.2 GHz) – Band 70 (1995 MHz)*

Table 8.6-12*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18326.525000	41.15	---	82.23	41.08	5000.0	1000.000	117.0	V	90.0	15.4
18326.525000	---	27.91	---	---	5000.0	1000.000	117.0	V	90.0	15.4
18768.387500	---	28.59	---	---	5000.0	1000.000	357.0	V	0.0	15.9
18768.387500	42.36	---	82.23	39.87	5000.0	1000.000	357.0	V	0.0	15.9
18865.350000	---	29.08	---	---	5000.0	1000.000	284.0	V	0.0	15.9
18865.350000	42.46	---	82.23	39.77	5000.0	1000.000	284.0	V	0.0	15.9
19174.975000	41.06	---	82.23	41.17	5000.0	1000.000	226.0	H	183.0	16.2
19174.975000	---	27.93	---	---	5000.0	1000.000	226.0	H	183.0	16.2
19436.700000	41.99	---	82.23	40.24	5000.0	1000.000	363.0	H	357.0	16.5
19436.700000	---	29.07	---	---	5000.0	1000.000	363.0	H	357.0	16.5
19542.387500	39.79	---	82.23	42.44	5000.0	1000.000	181.0	H	43.0	16.3
19542.387500	---	26.41	---	---	5000.0	1000.000	181.0	H	43.0	16.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

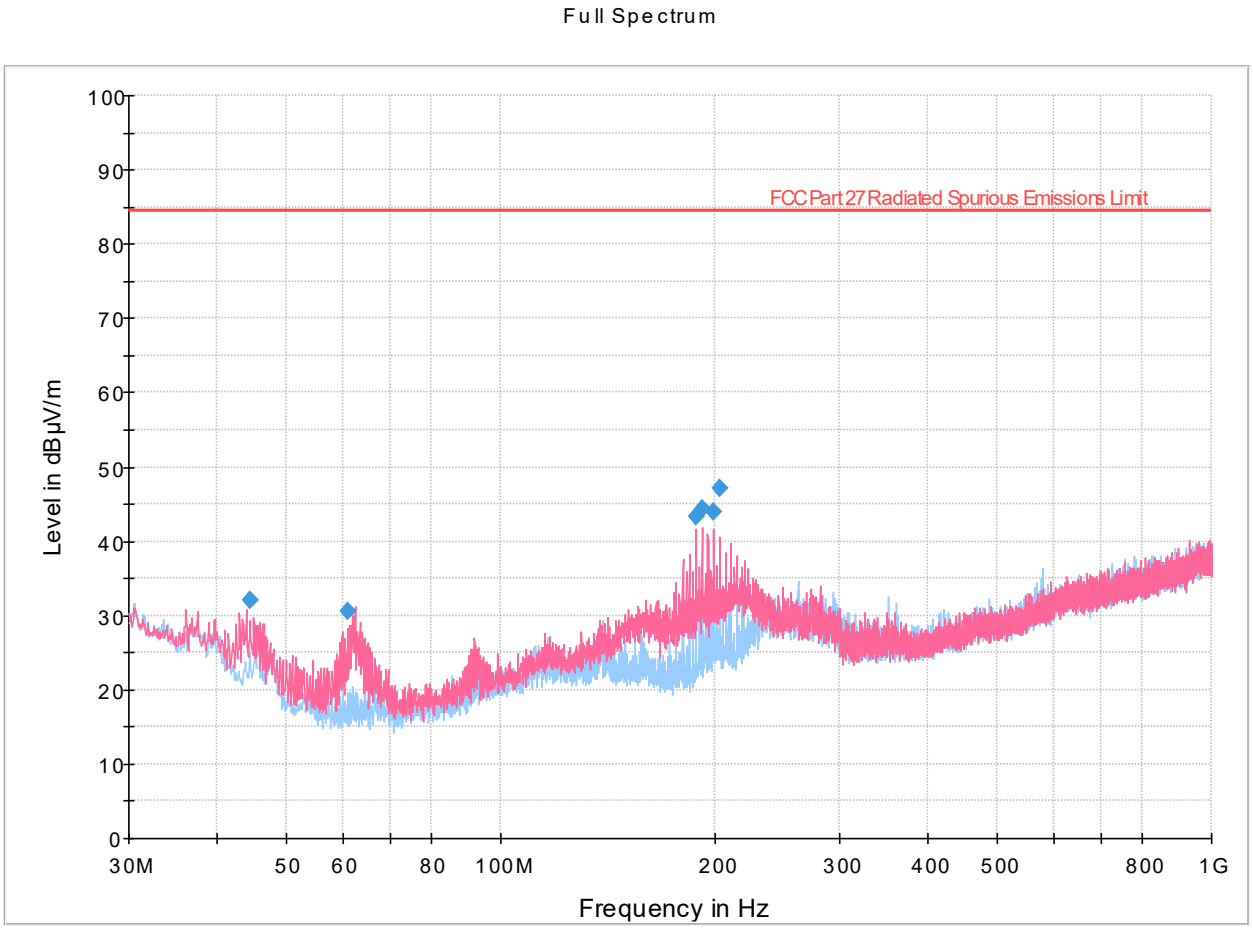


Figure 8.6-13: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 70 (2007.5 MHz)*

Table 8.6-13*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.508000	32.08	84.40	52.32	5000.0	100.000	98.0	V	113.0	18.6
60.995000	30.57	84.40	53.83	5000.0	100.000	98.0	V	35.0	12.6
188.170000	43.38	84.40	41.02	5000.0	100.000	98.0	V	225.0	17.0
192.010000	44.29	84.40	40.11	5000.0	100.000	98.0	V	232.0	17.1
199.673000	43.89	84.40	40.51	5000.0	100.000	98.0	V	231.0	17.6
203.513000	47.07	84.40	37.33	5000.0	100.000	98.0	V	87.0	17.8

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

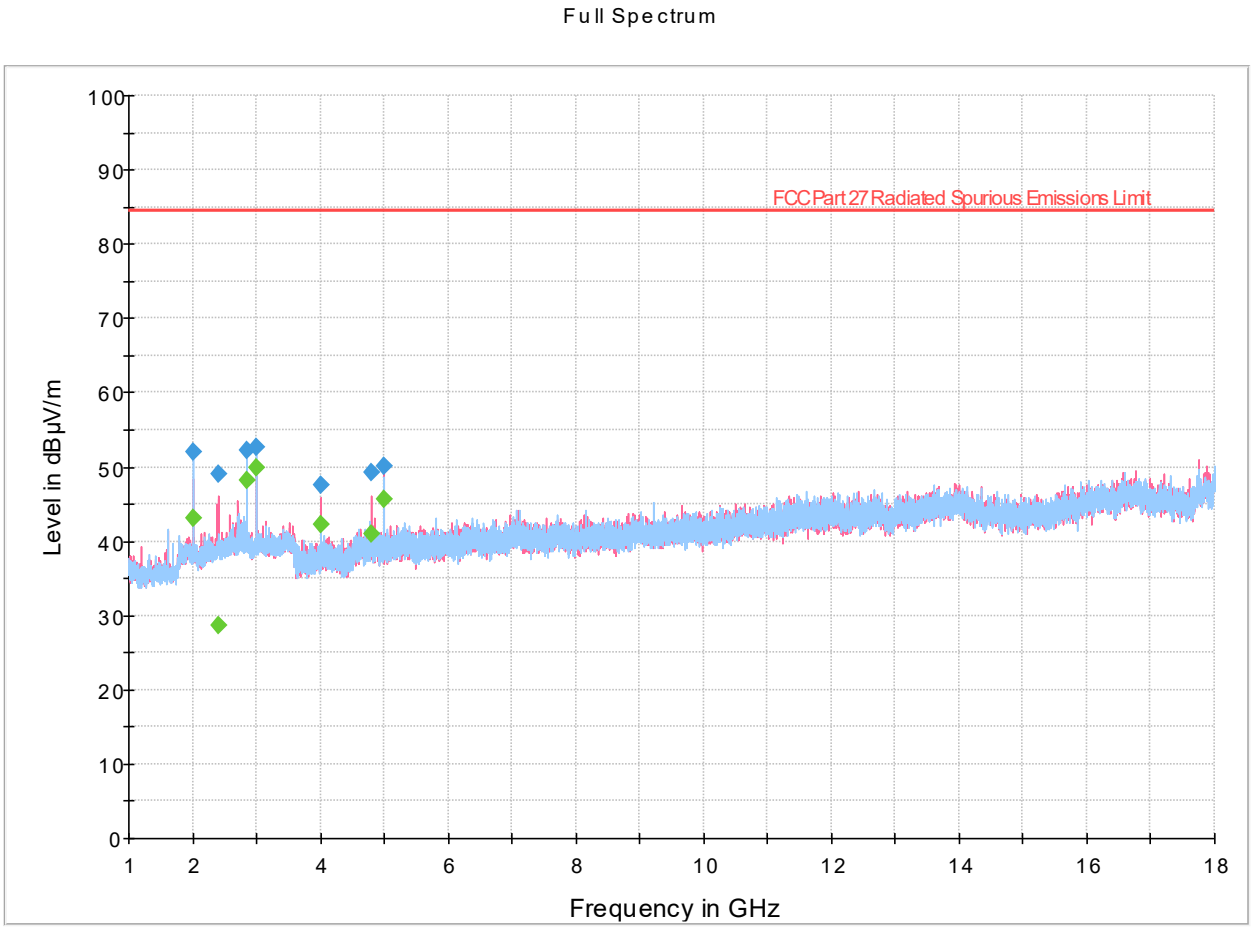


Figure 8.6-14: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 70 (2007.5 MHz)*

Table 8.6-14*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2008.700000	---	42.99	---	---	5000.0	1000.000	125.0	H	314.0	-7.1
2008.700000	52.11	---	84.40	32.29	5000.0	1000.000	125.0	H	314.0	-7.1
2396.850000	48.97	---	84.40	35.43	5000.0	1000.000	192.0	V	214.0	-5.3
2396.850000	---	28.70	---	---	5000.0	1000.000	192.0	V	214.0	-5.3
2857.000000	52.20	---	84.40	32.20	5000.0	1000.000	234.0	H	139.0	-4.0
2857.000000	---	48.25	---	---	5000.0	1000.000	234.0	H	139.0	-4.0
2999.850000	---	50.00	---	---	5000.0	1000.000	166.0	H	148.0	-3.5
2999.850000	52.60	---	84.40	31.80	5000.0	1000.000	166.0	H	148.0	-3.5
3999.850000	---	42.30	---	---	5000.0	1000.000	262.0	V	74.0	-1.2
3999.850000	47.53	---	84.40	36.87	5000.0	1000.000	262.0	V	74.0	-1.2
4800.100000	---	41.00	---	---	5000.0	1000.000	131.0	V	85.0	0.8
4800.100000	49.17	---	84.40	35.23	5000.0	1000.000	131.0	V	85.0	0.8
4999.850000	---	45.64	---	---	5000.0	1000.000	111.0	V	72.0	0.3
4999.850000	50.20	---	84.40	34.20	5000.0	1000.000	111.0	V	72.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

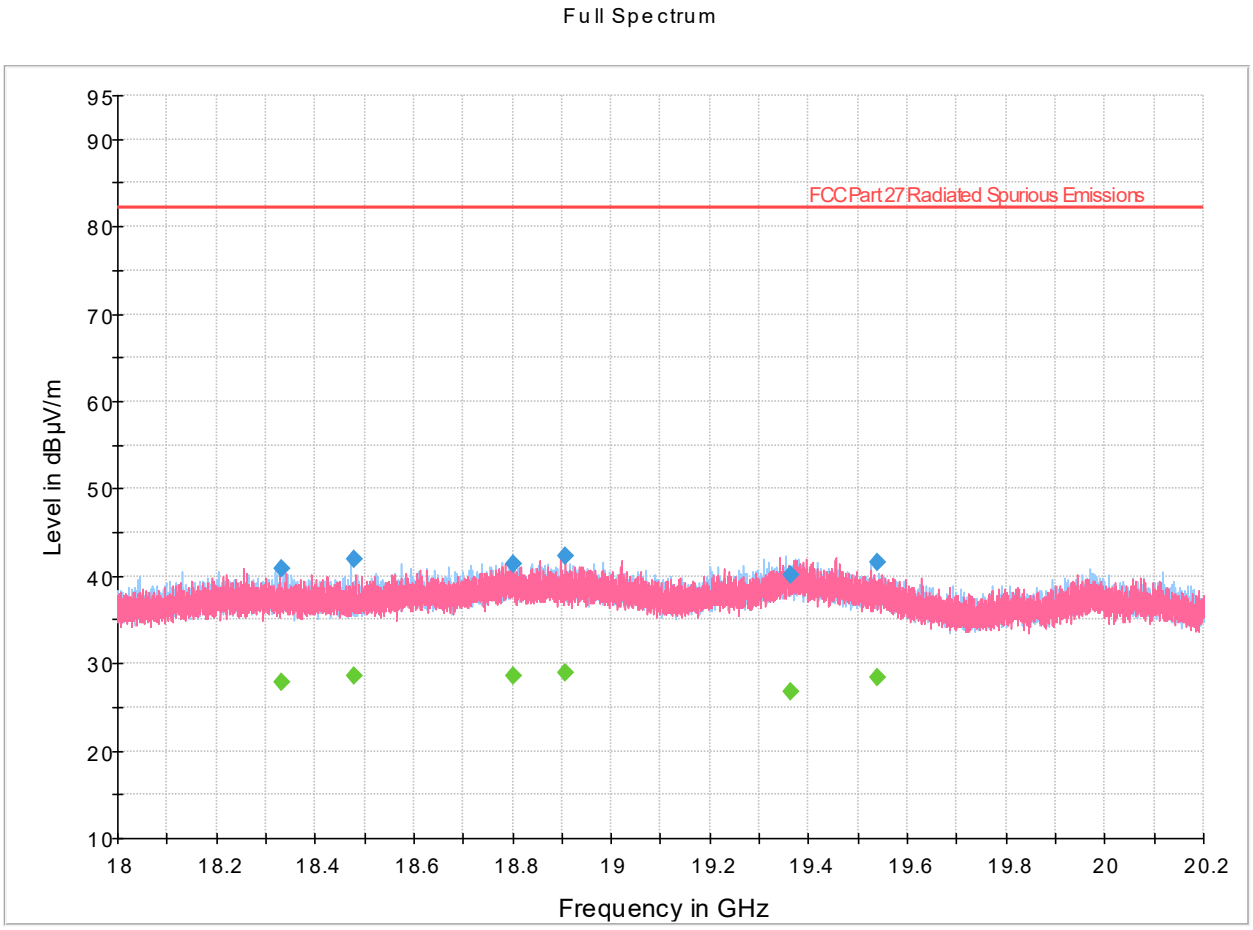


Figure 8.6-15: *Radiated emissions spectral plot (18 GHz - 20.2 GHz) – Band 70 (2007.5 MHz)*

Table 8.6-15*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18330.587500	40.90	---	82.23	41.33	5000.0	1000.000	137.0	H	44.0	15.4
18330.587500	---	27.85	---	---	5000.0	1000.000	137.0	H	44.0	15.4
18477.462500	41.95	---	82.23	40.28	5000.0	1000.000	334.0	H	314.0	15.7
18477.462500	---	28.57	---	---	5000.0	1000.000	334.0	H	314.0	15.7
18800.762500	41.46	---	82.23	40.77	5000.0	1000.000	301.0	H	234.0	15.9
18800.762500	---	28.63	---	---	5000.0	1000.000	301.0	H	234.0	15.9
18905.875000	42.23	---	82.23	40.00	5000.0	1000.000	366.0	V	321.0	15.9
18905.875000	---	29.02	---	---	5000.0	1000.000	366.0	V	321.0	15.9
19363.862500	40.09	---	82.23	42.14	5000.0	1000.000	385.0	H	266.0	16.7
19363.862500	---	26.87	---	---	5000.0	1000.000	385.0	H	266.0	16.7
19537.512500	41.53	---	82.23	40.70	5000.0	1000.000	150.0	H	324.0	16.3
19537.512500	---	28.35	---	---	5000.0	1000.000	150.0	H	324.0	16.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

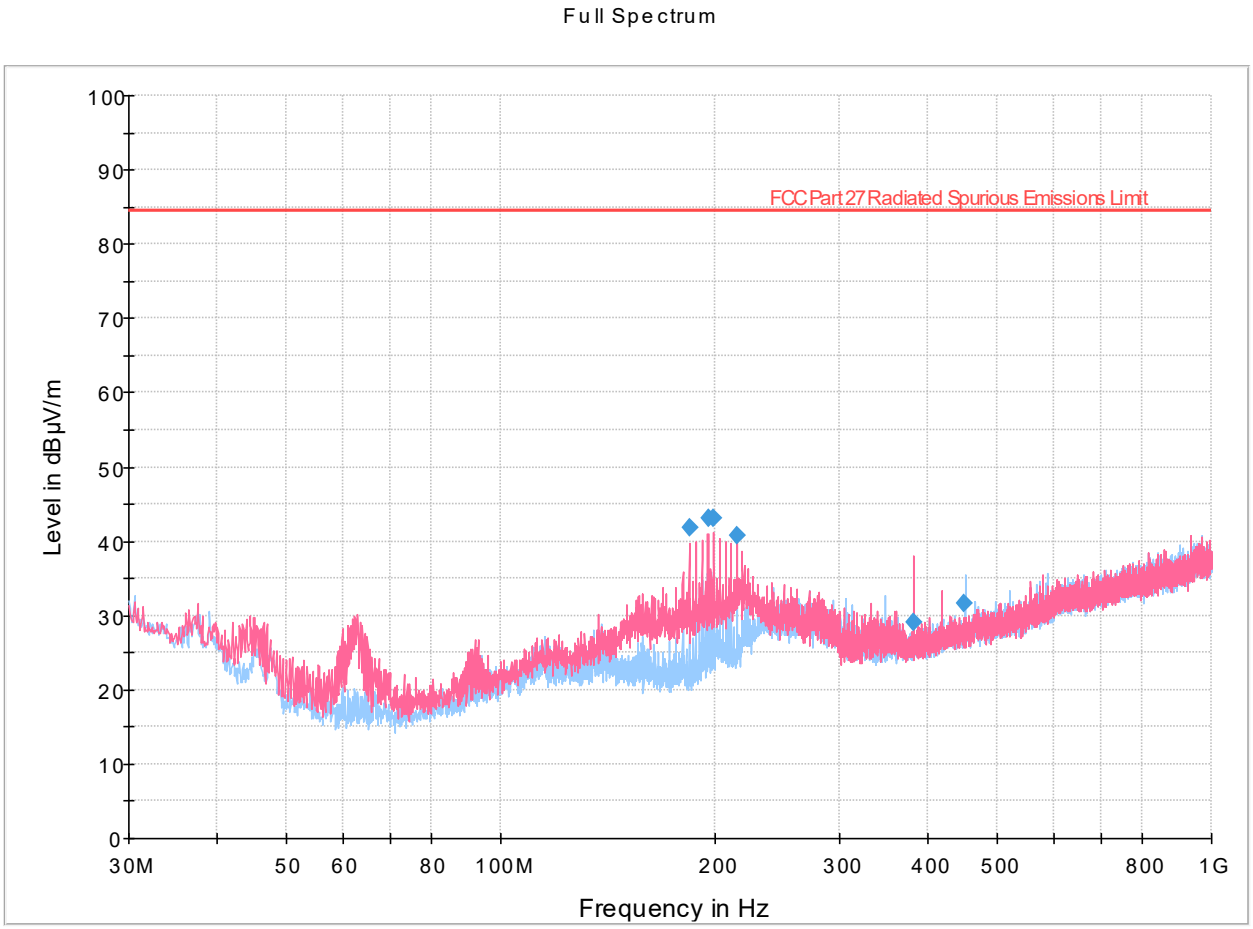


Figure 8.6-16: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 70 (2020 MHz)*

Table 8.6-16*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
184.307000	41.85	84.40	42.55	5000.0	100.000	98.0	V	216.0	16.9
195.833000	43.17	84.40	41.23	5000.0	100.000	98.0	V	227.0	17.4
199.673000	43.07	84.40	41.33	5000.0	100.000	98.0	V	230.0	17.6
215.039000	40.86	84.40	43.54	5000.0	100.000	98.0	V	216.0	17.5
381.039000	29.00	84.40	55.40	5000.0	100.000	254.0	V	242.0	24.2
449.470000	31.58	84.40	52.82	5000.0	100.000	192.0	H	61.0	25.7

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

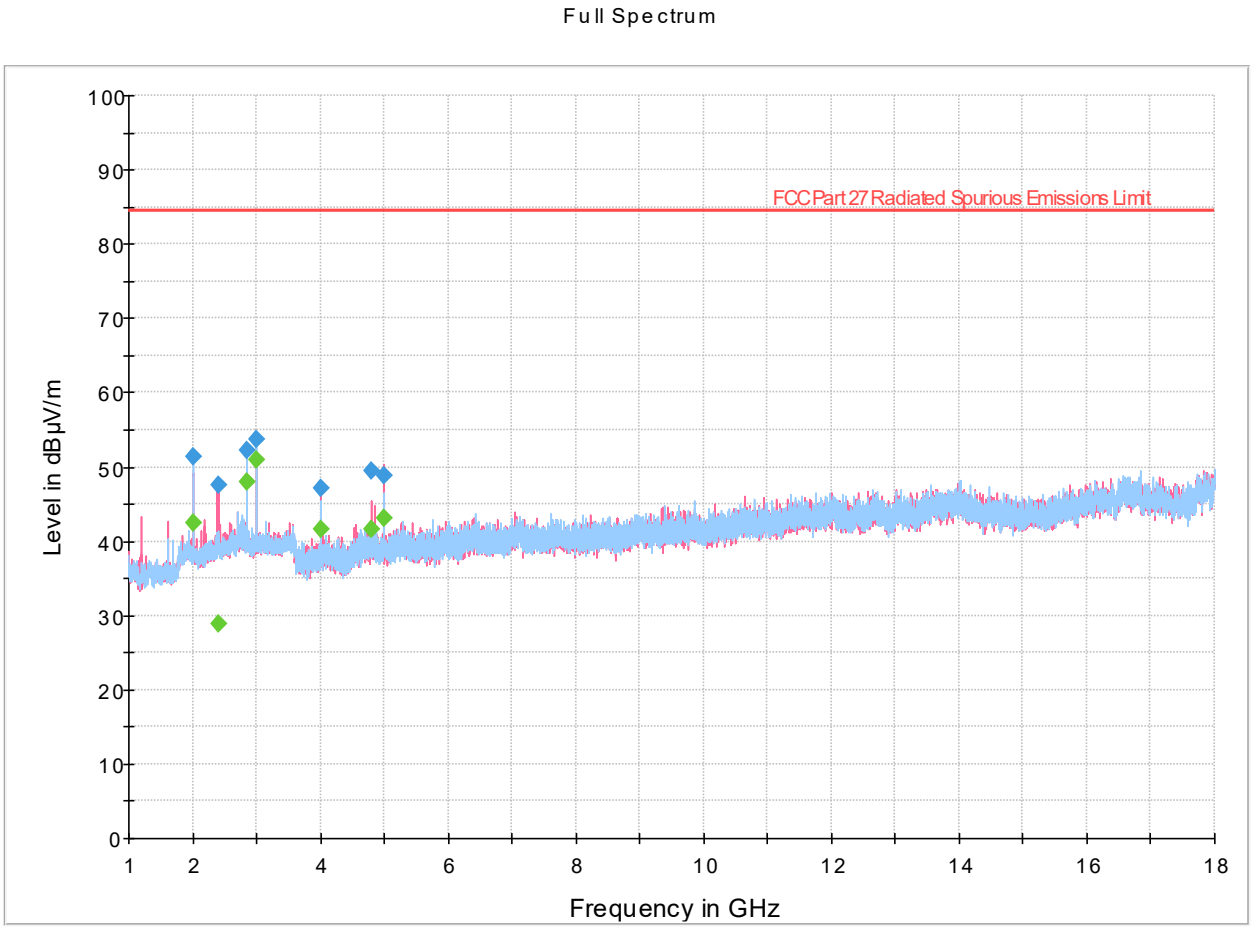


Figure 8.6-17: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 70 (2020 MHz)*

Table 8.6-17*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2020.950000	---	42.50	---	---	5000.0	1000.000	98.0	H	22.0	-7.0
2020.950000	51.43	---	84.40	32.97	5000.0	1000.000	98.0	H	22.0	-7.0
2399.500000	---	28.83	---	---	5000.0	1000.000	146.0	V	47.0	-5.3
2399.500000	47.48	---	84.40	36.92	5000.0	1000.000	146.0	V	47.0	-5.3
2857.000000	52.15	---	84.40	32.25	5000.0	1000.000	230.0	H	139.0	-4.0
2857.000000	---	48.08	---	---	5000.0	1000.000	230.0	H	139.0	-4.0
2999.850000	---	51.05	---	---	5000.0	1000.000	172.0	H	151.0	-3.5
2999.850000	53.62	---	84.40	30.78	5000.0	1000.000	172.0	H	151.0	-3.5
3999.850000	---	41.54	---	---	5000.0	1000.000	260.0	V	73.0	-1.2
3999.850000	47.13	---	84.40	37.27	5000.0	1000.000	260.0	V	73.0	-1.2
4800.100000	49.57	---	84.40	34.83	5000.0	1000.000	133.0	V	86.0	0.8
4800.100000	---	41.64	---	---	5000.0	1000.000	133.0	V	86.0	0.8
4999.850000	---	43.03	---	---	5000.0	1000.000	106.0	V	73.0	0.3
4999.850000	48.77	---	84.40	35.63	5000.0	1000.000	106.0	V	73.0	0.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

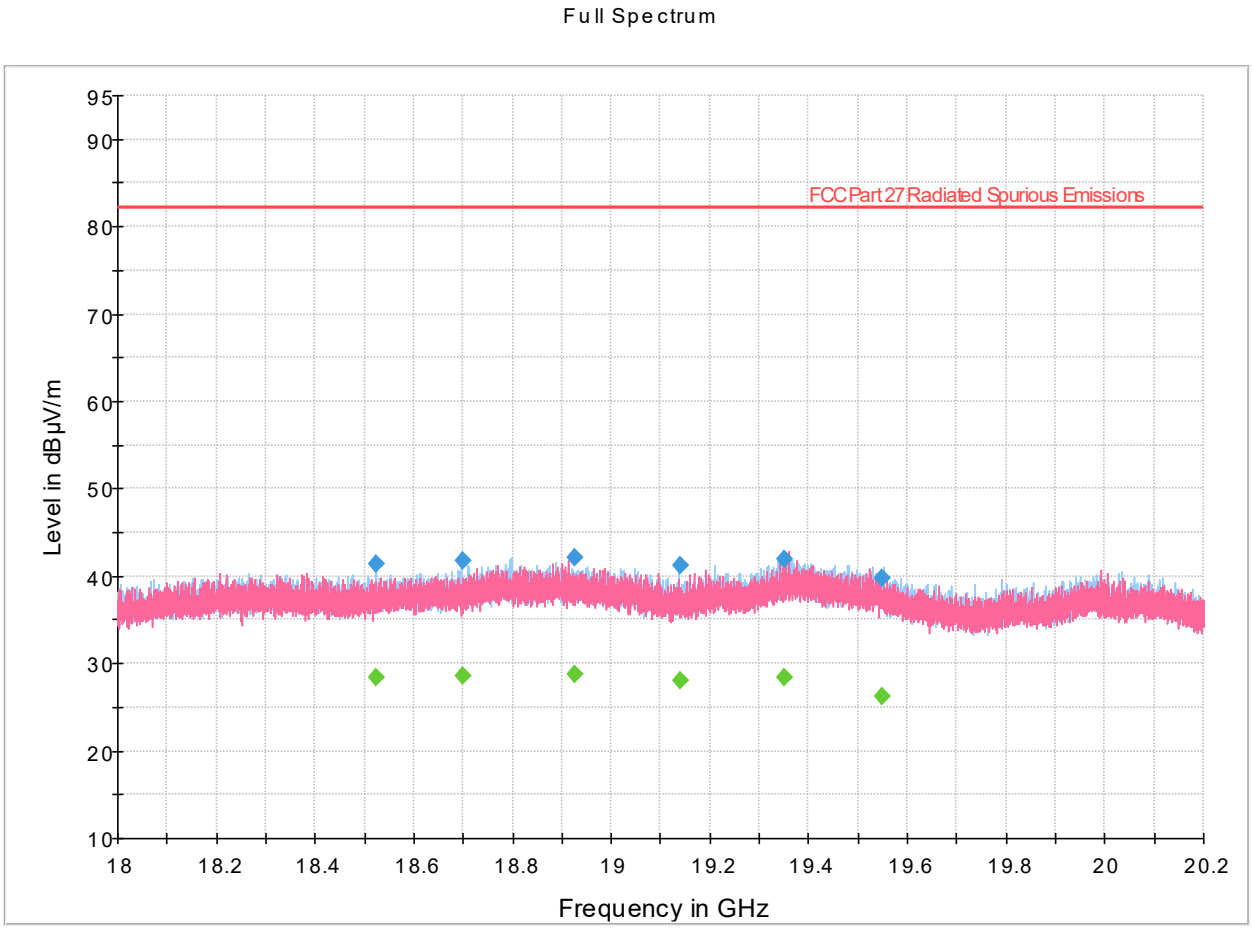


Figure 8.6-18: *Radiated emissions spectral plot (18 GHz - 20.2 GHz) – Band 70 (2020 MHz)*

Table 8.6-18*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18523.700000	---	28.43	---	---	5000.0	1000.000	181.0	H	225.0	15.9
18523.700000	41.40	---	82.23	40.84	5000.0	1000.000	181.0	H	225.0	15.9
18698.475000	---	28.67	---	---	5000.0	1000.000	315.0	H	355.0	16.0
18698.475000	41.79	---	82.23	40.44	5000.0	1000.000	315.0	H	355.0	16.0
18924.437500	---	28.82	---	---	5000.0	1000.000	100.0	V	112.0	15.9
18924.437500	42.19	---	82.23	40.04	5000.0	1000.000	100.0	V	112.0	15.9
19140.875000	41.17	---	82.23	41.06	5000.0	1000.000	334.0	H	183.0	16.1
19140.875000	---	28.06	---	---	5000.0	1000.000	334.0	H	183.0	16.1
19349.300000	41.90	---	82.23	40.33	5000.0	1000.000	225.0	V	0.0	16.7
19349.300000	---	28.50	---	---	5000.0	1000.000	225.0	V	0.0	16.7
19548.225000	---	26.24	---	---	5000.0	1000.000	219.0	H	357.0	16.3
19548.225000	39.69	---	82.23	42.54	5000.0	1000.000	219.0	H	357.0	16.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

8.6.5.3 Operating frequency band: Band 66: 2110 – 2200 MHz

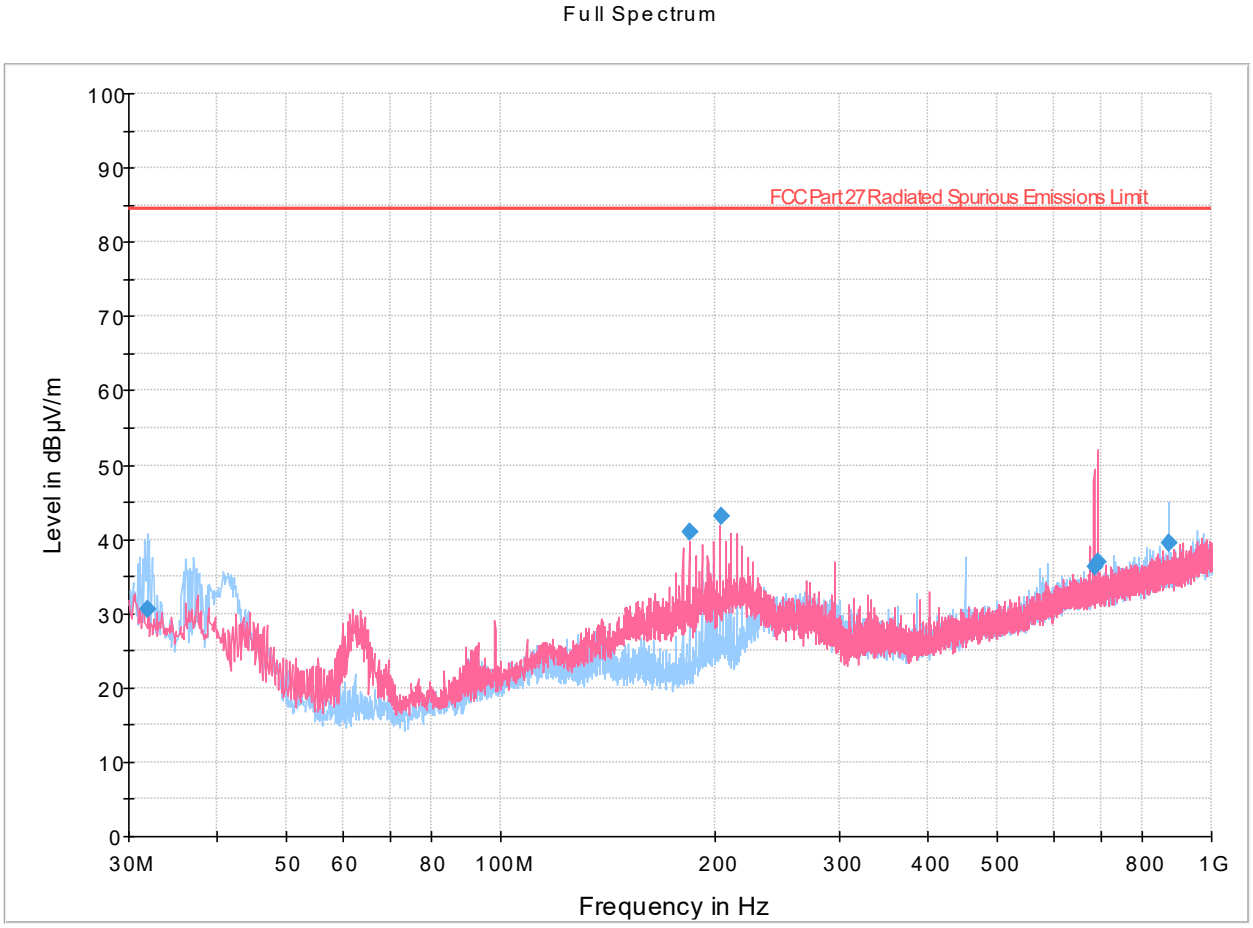


Figure 8.6-19: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 66 (2110 MHz)*

Table 8.6-19*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.943000	30.50	84.40	53.90	5000.0	100.000	131.0	H	153.0	25.4
184.330000	40.95	84.40	43.45	5000.0	100.000	112.0	V	230.0	16.9
203.993000	43.07	84.40	41.33	5000.0	100.000	106.0	V	85.0	17.8
683.720000	36.28	84.40	48.12	5000.0	100.000	308.0	V	0.0	29.7
691.645000	36.87	84.40	47.53	5000.0	100.000	280.0	V	135.0	29.9
869.720000	39.59	84.40	44.81	5000.0	100.000	139.0	H	205.0	32.5

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

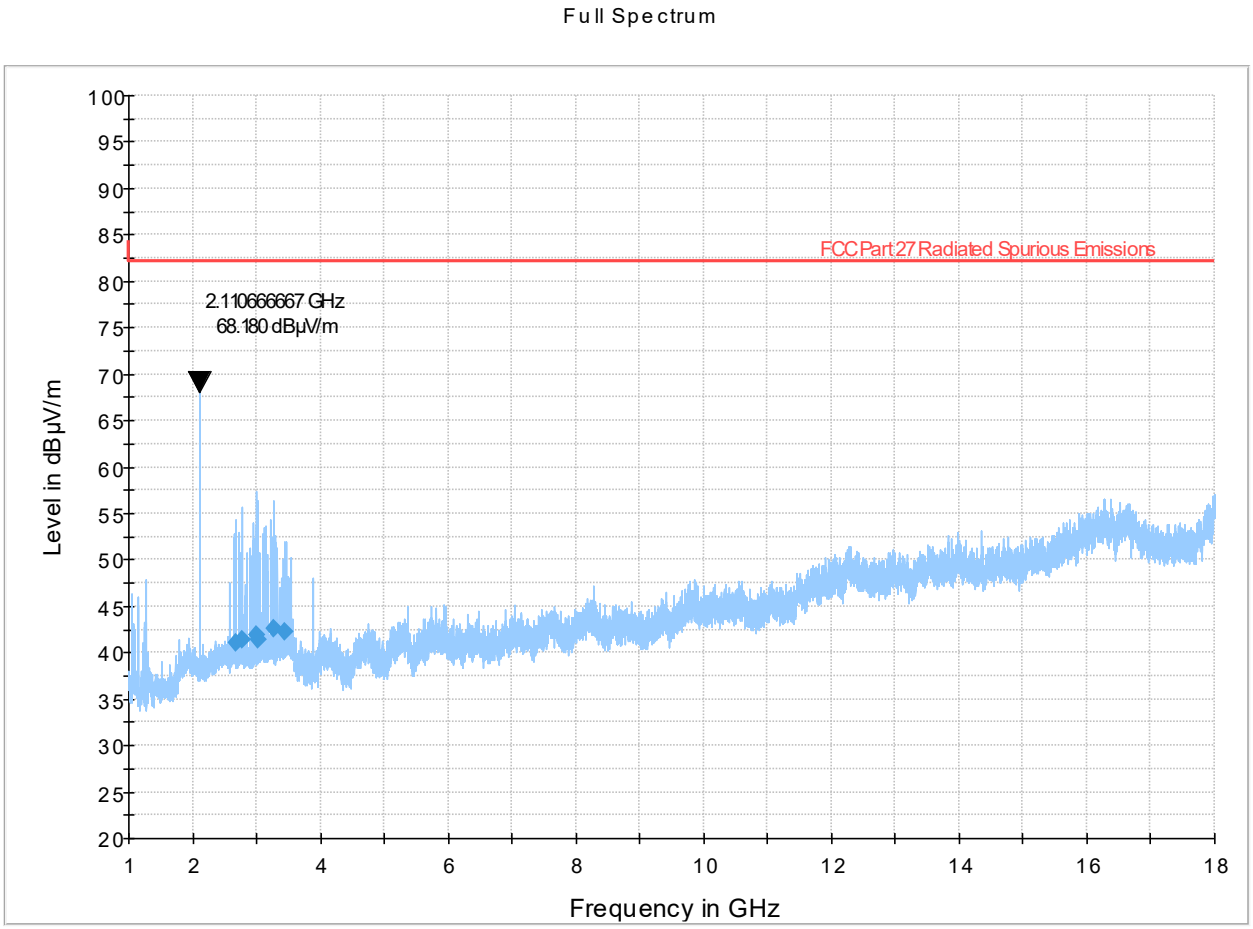


Figure 8.6-20: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 66 (2110 MHz)*

Table 8.6-20*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2676.033333	41.07	82.23	41.16	5000.0	1000.000	190.0	V	321.0	-3.6
2777.066667	41.37	82.23	40.86	5000.0	1000.000	141.0	V	59.0	-3.0
2991.966667	41.92	82.23	40.31	5000.0	1000.000	168.0	H	173.0	-2.4
3020.066667	41.36	82.23	40.87	5000.0	1000.000	389.0	V	287.0	-2.3
3272.766667	42.54	82.23	39.69	5000.0	1000.000	325.0	H	212.0	-1.7
3449.400000	42.23	82.23	40.00	5000.0	1000.000	400.0	H	225.0	-1.1

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

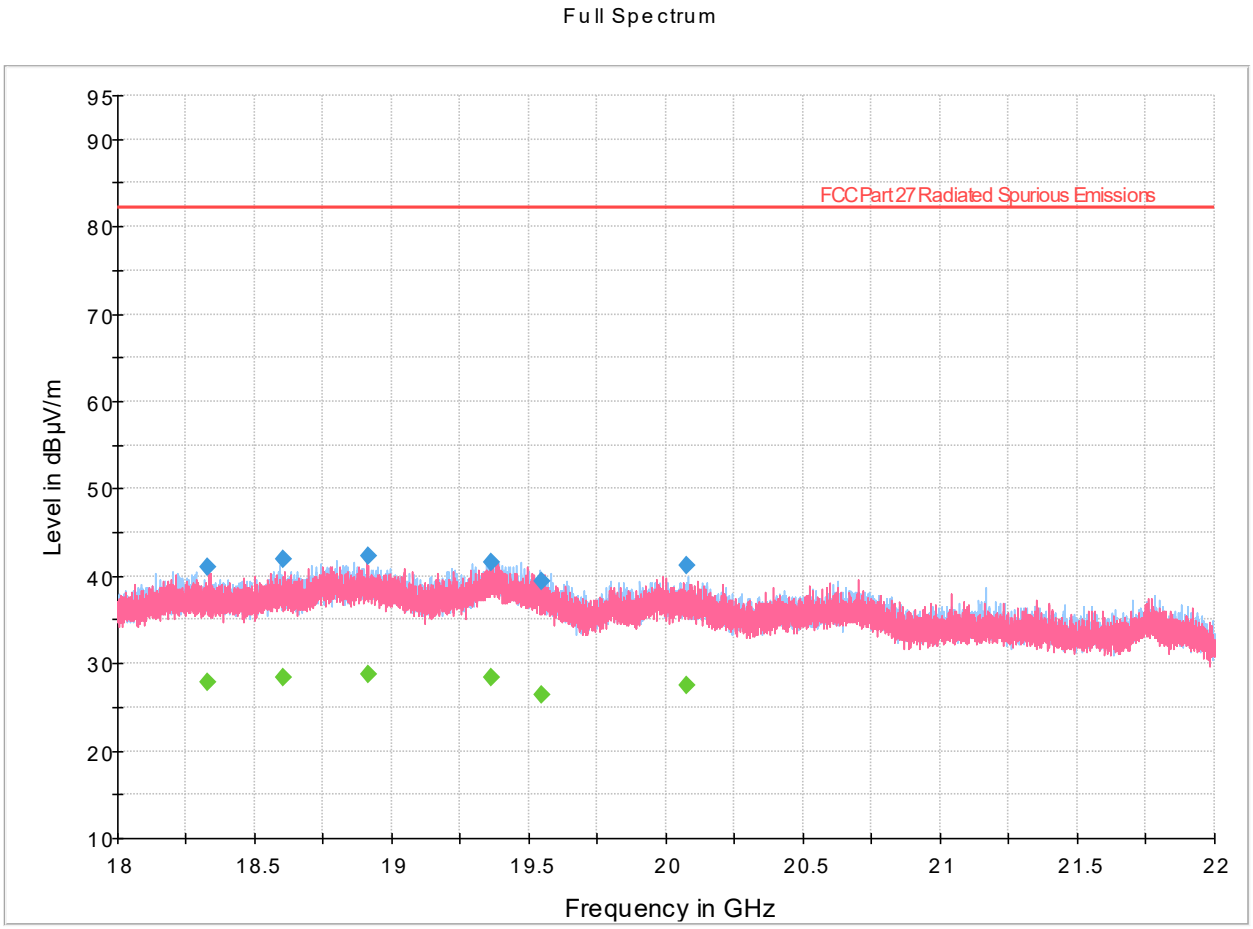


Figure 8.6-21: *Radiated emissions spectral plot (18 GHz - 22 GHz) – Band 66 (2110 MHz)*

Table 8.6-21*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18329.000000	41.03	---	82.23	41.20	5000.0	1000.000	357.0	V	162.0	15.4
18329.000000	---	27.81	---	---	5000.0	1000.000	357.0	V	162.0	15.4
18601.800000	41.90	---	82.23	40.33	5000.0	1000.000	121.0	H	265.0	16.1
18601.800000	---	28.48	---	---	5000.0	1000.000	121.0	H	265.0	16.1
18913.900000	42.31	---	82.23	39.92	5000.0	1000.000	323.0	V	230.0	15.9
18913.900000	---	28.73	---	---	5000.0	1000.000	323.0	V	230.0	15.9
19362.800000	41.62	---	82.23	40.61	5000.0	1000.000	138.0	V	129.0	16.7
19362.800000	---	28.36	---	---	5000.0	1000.000	138.0	V	129.0	16.7
19545.450000	---	26.40	---	---	5000.0	1000.000	114.0	H	207.0	16.3
19545.450000	39.37	---	82.23	42.86	5000.0	1000.000	114.0	H	207.0	16.3
20074.350000	---	27.50	---	---	5000.0	1000.000	209.0	H	276.0	16.8
20074.350000	41.31	---	82.23	40.92	5000.0	1000.000	209.0	H	276.0	16.8

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

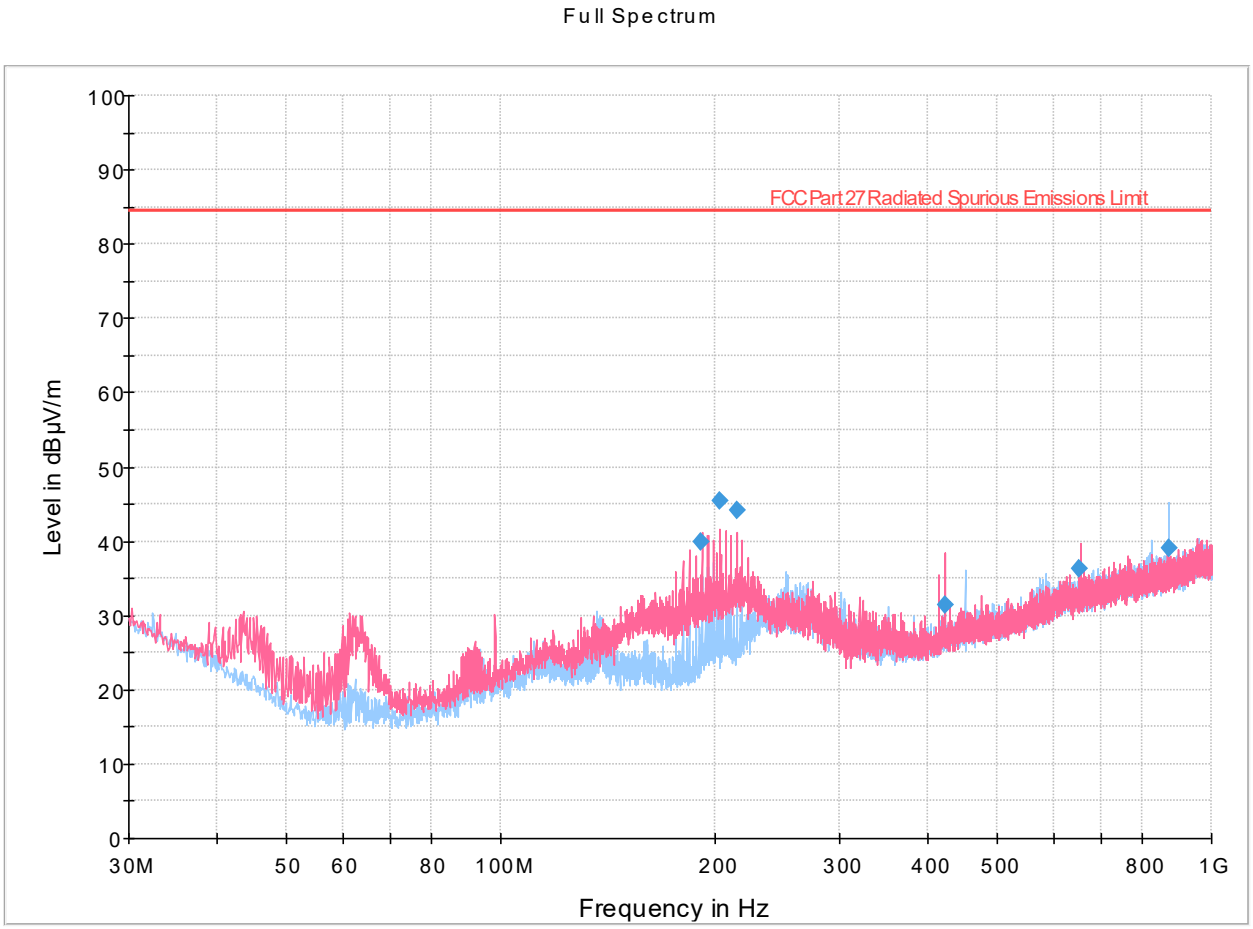


Figure 8.6-22: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 66 (2155 MHz)*

Table 8.6-22*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
191.330000	40.00	84.40	44.40	5000.0	100.000	106.0	V	150.0	17.1
203.496000	45.36	84.40	39.04	5000.0	100.000	112.0	V	98.0	17.8
215.056000	44.17	84.40	40.23	5000.0	100.000	98.0	V	228.0	17.5
422.060000	31.44	84.40	52.96	5000.0	100.000	107.0	V	254.0	25.5
652.193000	36.27	84.40	48.13	5000.0	100.000	166.0	V	22.0	29.4
870.760000	39.05	84.40	45.35	5000.0	100.000	213.0	H	124.0	32.5

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

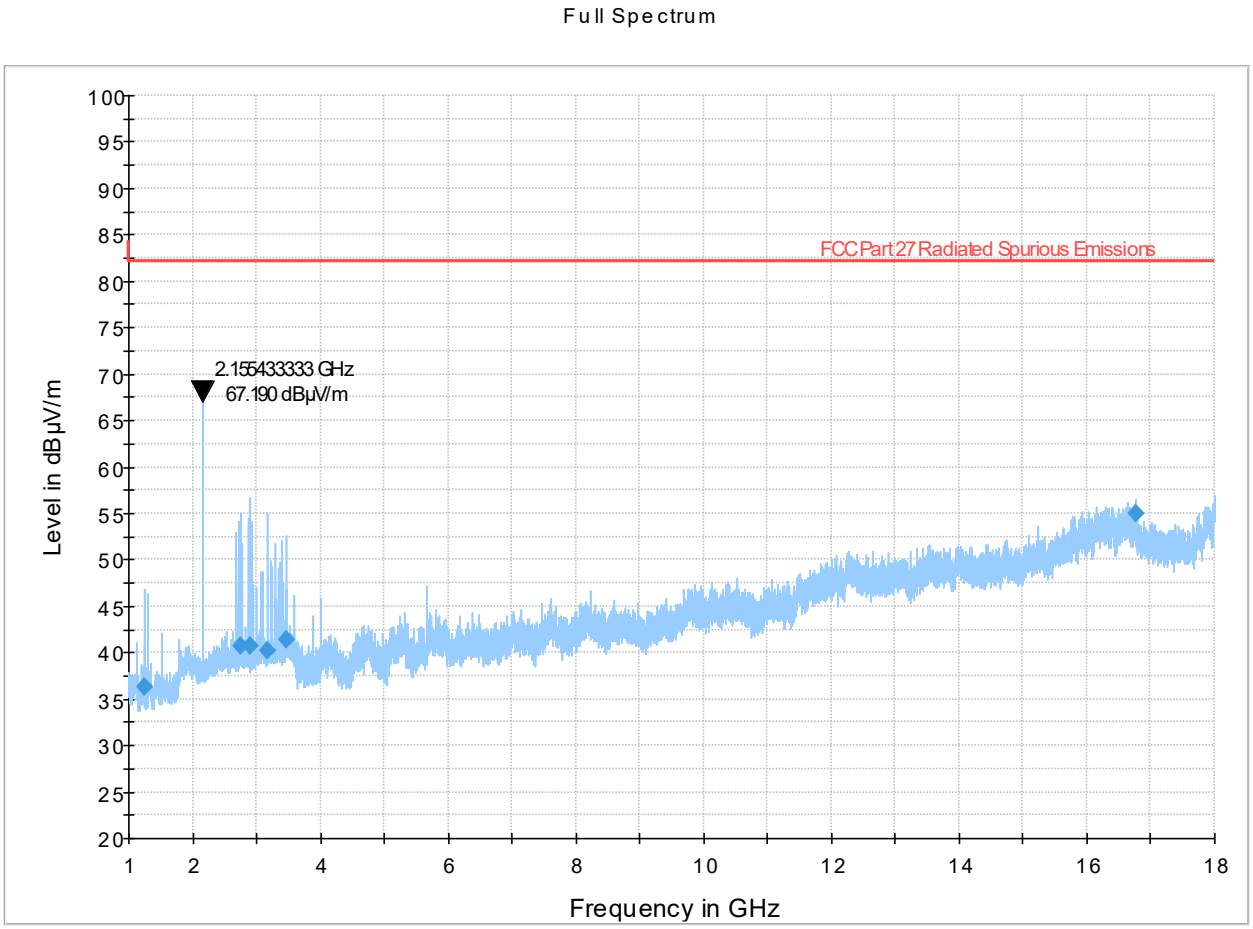


Figure 8.6-23: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 66 (2155 MHz)*

Table 8.6-23*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1246.966667	36.25	82.23	45.98	100.0	1000.000	370.0	V	172.0	-10.7
2753.733333	40.67	82.23	41.56	100.0	1000.000	170.0	V	349.0	-3.2
2898.333333	40.65	82.23	41.58	100.0	1000.000	287.0	H	276.0	-3.1
3159.900000	40.18	82.23	42.05	100.0	1000.000	157.0	V	175.0	-2.2
3459.333333	41.37	82.23	40.86	100.0	1000.000	257.0	V	99.0	-1.0
16755.100000	55.05	82.23	27.18	100.0	1000.000	372.0	H	98.0	22.4

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

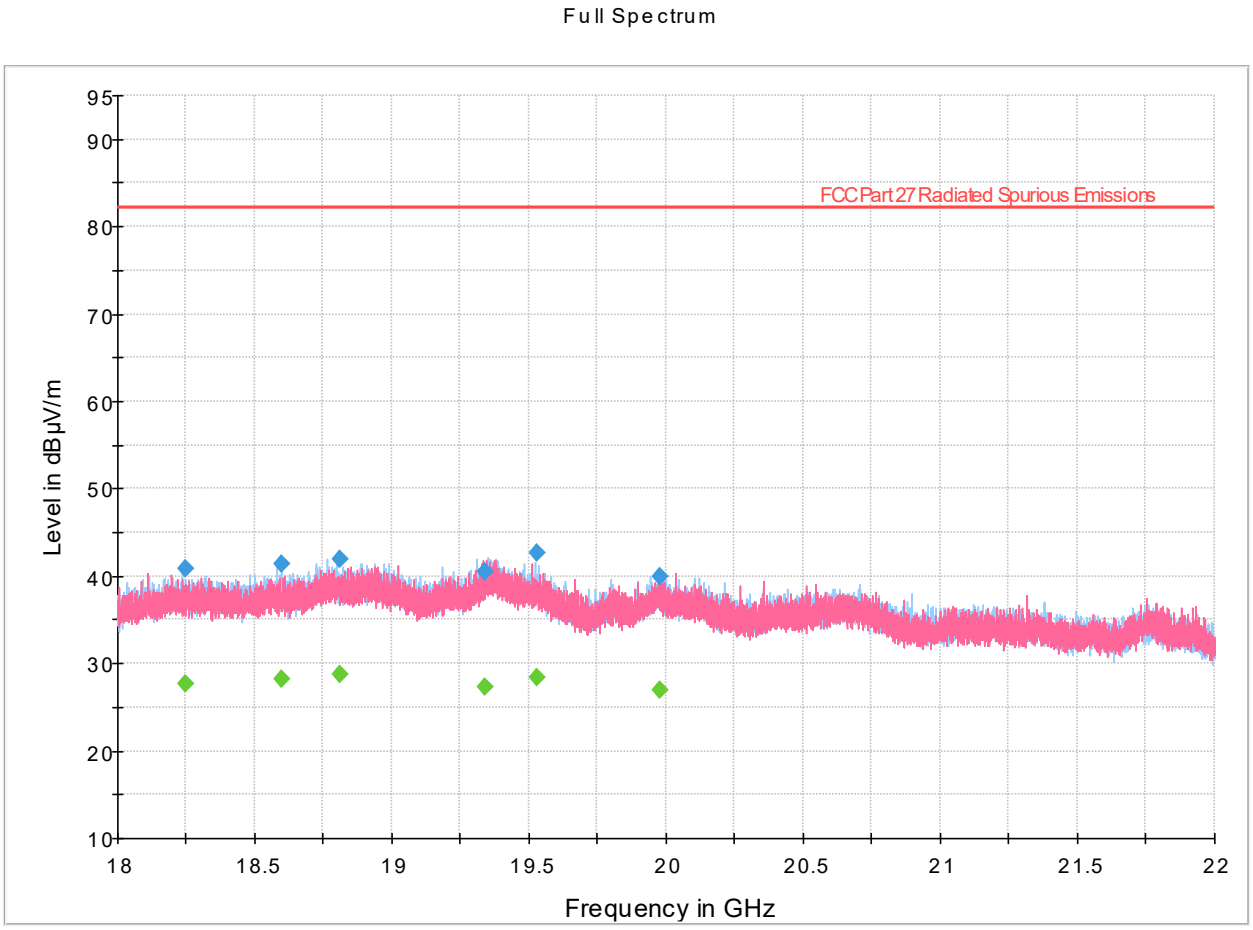


Figure 8.6-24: *Radiated emissions spectral plot (18 GHz - 22 GHz) – Band 66 (2155 MHz)*

Table 8.6-24*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18244.500000	---	27.74	---	---	5000.0	1000.000	107.0	H	346.0	15.5
18244.500000	40.84	---	82.23	41.39	5000.0	1000.000	107.0	H	346.0	15.5
18598.450000	---	28.28	---	---	5000.0	1000.000	255.0	H	32.0	16.1
18598.450000	41.42	---	82.23	40.81	5000.0	1000.000	255.0	H	32.0	16.1
18808.200000	---	28.71	---	---	5000.0	1000.000	330.0	H	337.0	15.9
18808.200000	42.01	---	82.23	40.22	5000.0	1000.000	330.0	H	337.0	15.9
19341.250000	---	27.39	---	---	5000.0	1000.000	291.0	H	0.0	16.7
19341.250000	40.42	---	82.23	41.81	5000.0	1000.000	291.0	H	0.0	16.7
19531.600000	42.67	---	82.23	39.56	5000.0	1000.000	164.0	H	356.0	16.3
19531.600000	---	28.44	---	---	5000.0	1000.000	164.0	H	356.0	16.3
19978.400000	39.95	---	82.23	42.28	5000.0	1000.000	392.0	H	78.0	16.4
19978.400000	---	27.02	---	---	5000.0	1000.000	392.0	H	78.0	16.4

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

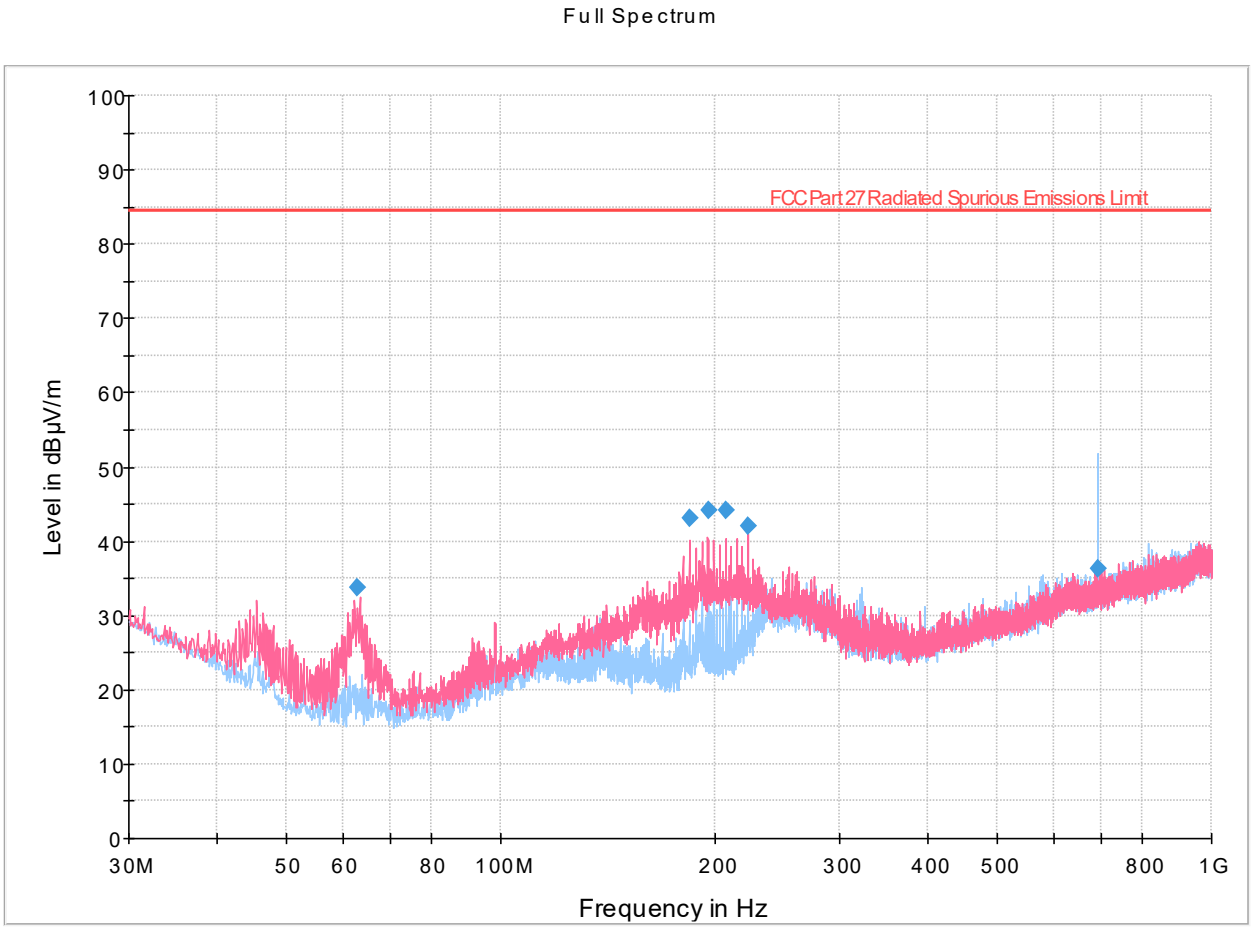


Figure 8.6-25: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 66 (2200 MHz)*

Table 8.6-25*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
62.988000	33.75	84.40	50.65	5000.0	100.000	106.0	V	357.0	12.6
184.307000	43.19	84.40	41.21	5000.0	100.000	98.0	V	214.0	16.9
195.833000	44.15	84.40	40.25	5000.0	100.000	98.0	V	218.0	17.4
207.376000	44.07	84.40	40.33	5000.0	100.000	98.0	V	227.0	18.1
222.719000	42.05	84.40	42.35	5000.0	100.000	98.0	V	228.0	18.1
691.942000	36.36	84.40	48.04	5000.0	100.000	358.0	H	346.0	29.9

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

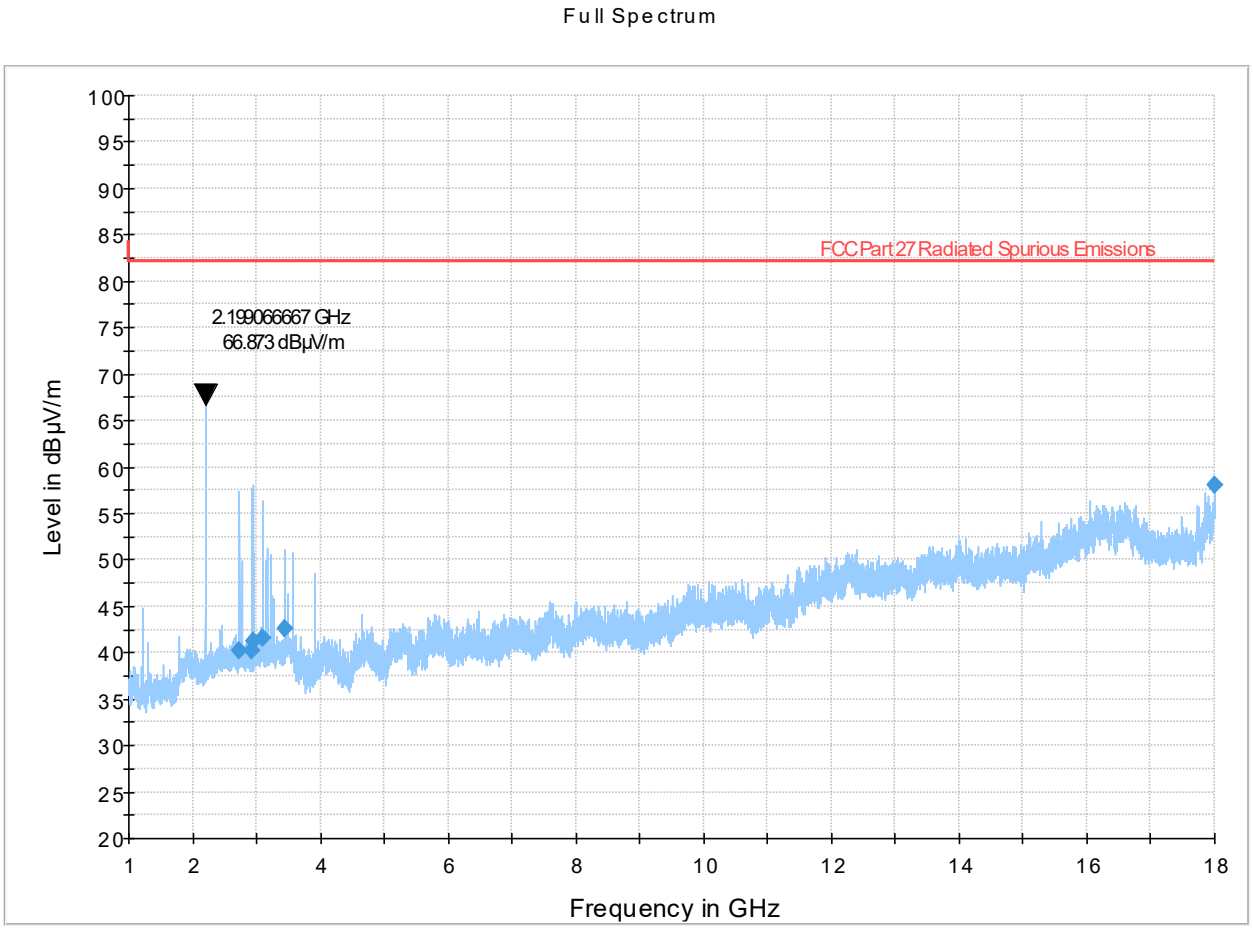


Figure 8.6-26: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 66 (2200 MHz)*

Table 8.6-26*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2734.666667	40.26	82.23	41.97	100.0	1000.000	320.0	V	162.0	-3.3
2932.100000	40.18	82.23	42.05	100.0	1000.000	296.0	V	312.0	-3.1
2941.133333	41.27	82.23	40.96	100.0	1000.000	400.0	V	268.0	-3.0
3107.866667	41.59	82.23	40.64	100.0	1000.000	350.0	V	122.0	-1.9
3448.366667	42.52	82.23	39.71	100.0	1000.000	334.0	V	69.0	-1.1
17996.166667	58.12	82.23	24.11	100.0	1000.000	248.0	H	324.0	25.1

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

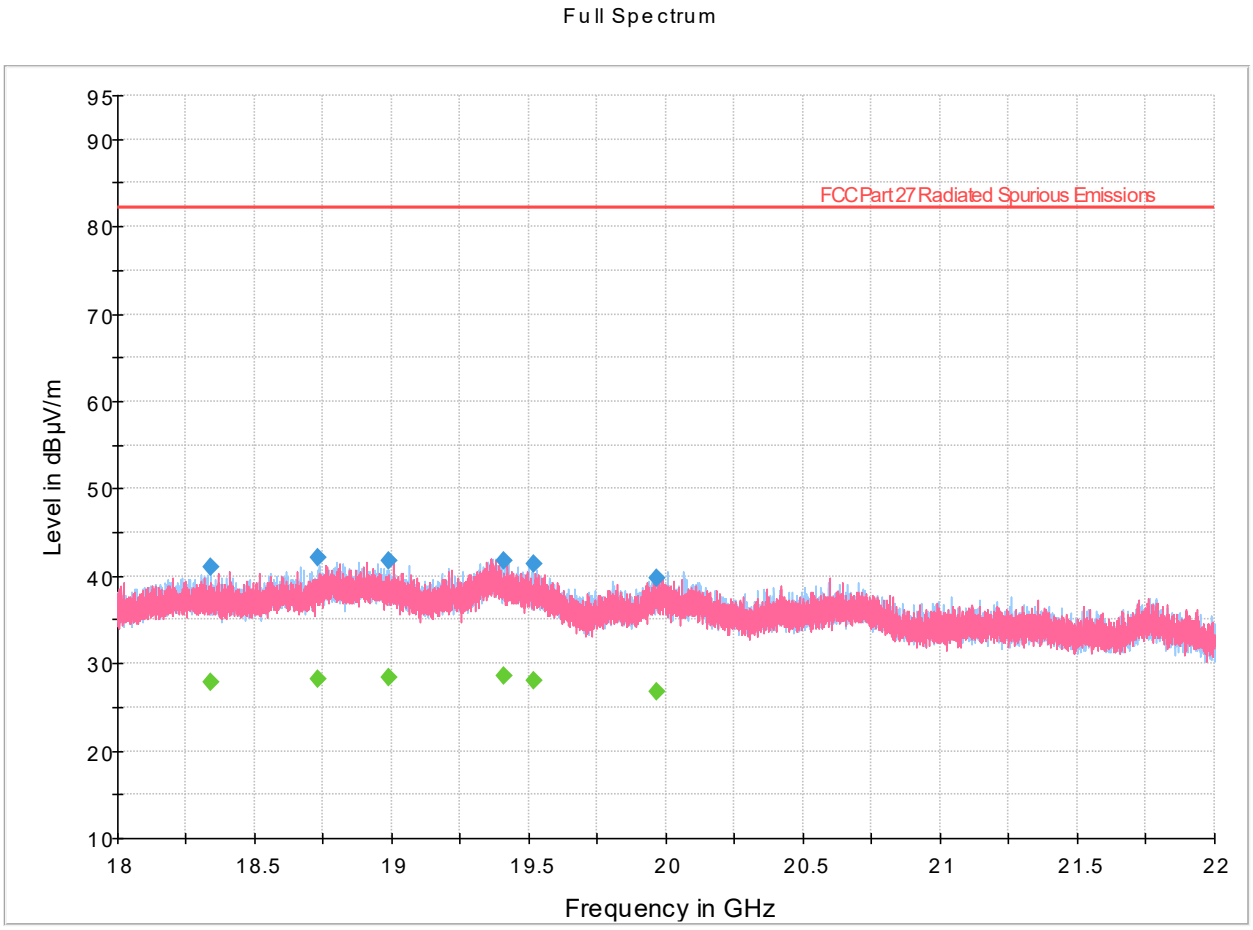


Figure 8.6-27: *Radiated emissions spectral plot (18 GHz - 22 GHz) – Band 66 (2200 MHz)*

Table 8.6-27*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18338.250000	41.05	---	82.23	41.18	5000.0	1000.000	297.0	H	262.0	15.3
18338.250000	---	27.90	---	---	5000.0	1000.000	297.0	H	262.0	15.3
18729.300000	42.13	---	82.23	40.10	5000.0	1000.000	341.0	H	20.0	15.9
18729.300000	---	28.22	---	---	5000.0	1000.000	341.0	H	20.0	15.9
18990.600000	---	28.47	---	---	5000.0	1000.000	317.0	V	0.0	16.0
18990.600000	41.67	---	82.23	40.56	5000.0	1000.000	317.0	V	0.0	16.0
19406.050000	---	28.51	---	---	5000.0	1000.000	267.0	H	43.0	16.6
19406.050000	41.85	---	82.23	40.38	5000.0	1000.000	267.0	H	43.0	16.6
19516.950000	41.44	---	82.23	40.79	5000.0	1000.000	318.0	H	272.0	16.3
19516.950000	---	28.08	---	---	5000.0	1000.000	318.0	H	272.0	16.3
19966.650000	39.85	---	82.23	42.38	5000.0	1000.000	347.0	H	0.0	16.3
19966.650000	---	26.85	---	---	5000.0	1000.000	347.0	H	0.0	16.3

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

8.6.5.4 Operating frequency band: Band 30: 2350 – 2360 MHz

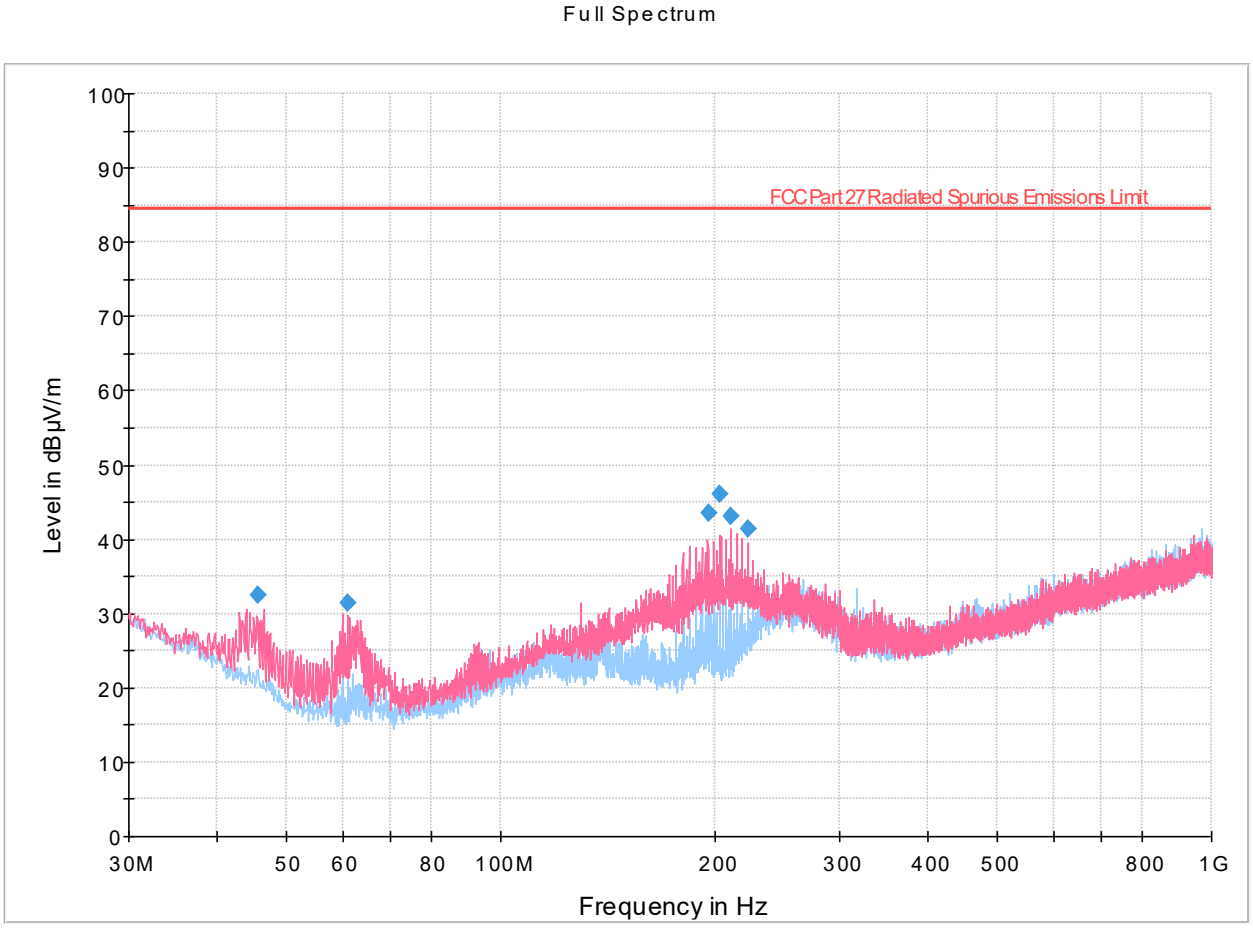


Figure 8.6-28: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 30 (2350 MHz)*

Table 8.6-28*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.510000	32.50	84.40	51.90	5000.0	100.000	98.0	V	-1.0	18.1
60.993000	31.41	84.40	52.99	5000.0	100.000	98.0	V	152.0	12.6
195.833000	43.61	84.40	40.79	5000.0	100.000	98.0	V	229.0	17.4
203.536000	45.99	84.40	38.41	5000.0	100.000	98.0	V	214.0	17.8
211.216000	43.06	84.40	41.34	5000.0	100.000	98.0	V	227.0	17.8
222.719000	41.31	84.40	43.09	5000.0	100.000	98.0	V	229.0	18.1

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

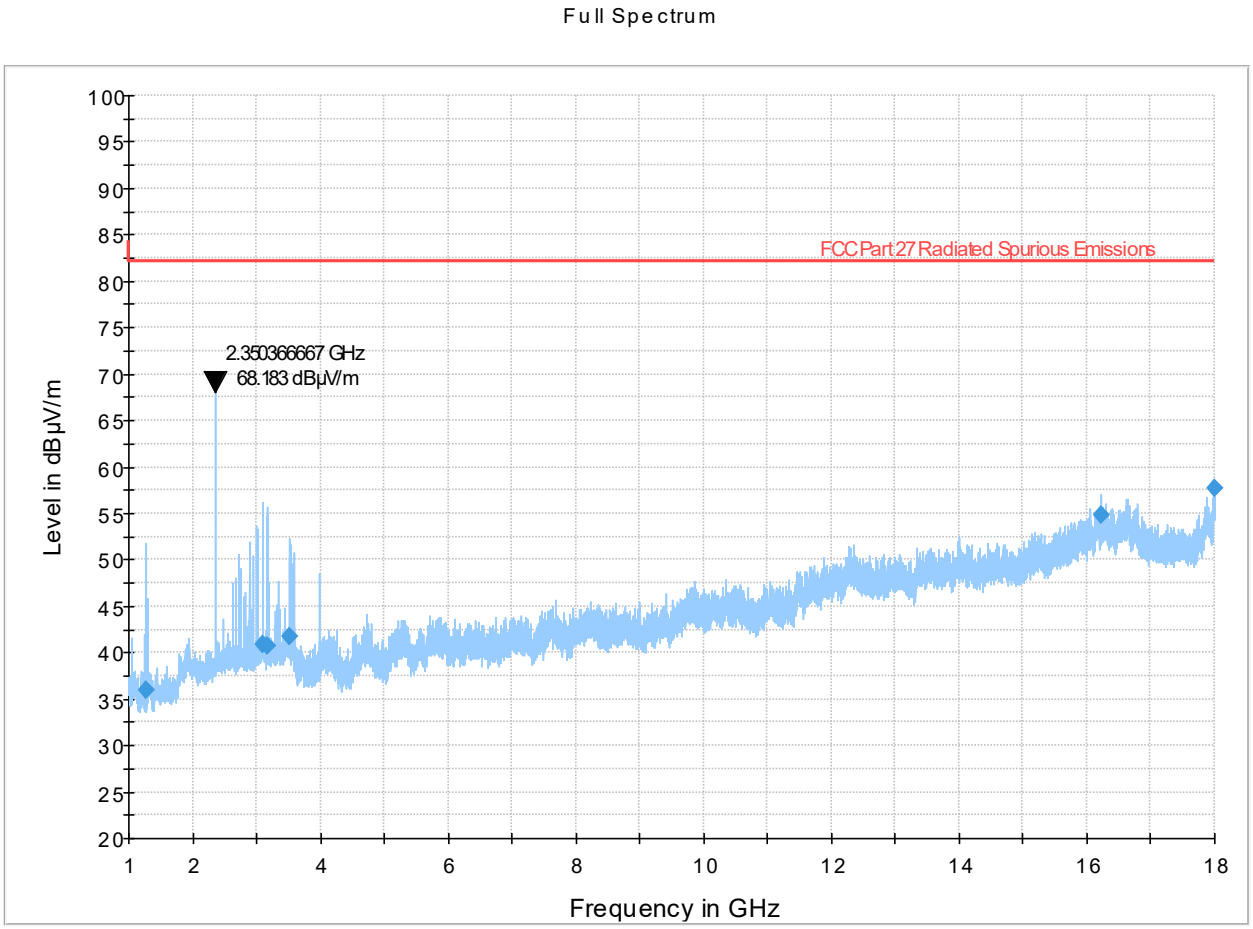


Figure 8.6-29: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 30 (2350 MHz)*

Table 8.6-29*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1272.800000	35.97	82.23	46.26	100.0	1000.000	332.0	V	290.0	-10.7
3107.366667	40.81	82.23	41.42	100.0	1000.000	235.0	V	325.0	-1.9
3174.500000	40.69	82.23	41.54	100.0	1000.000	267.0	H	21.0	-2.1
3525.166667	41.70	82.23	40.53	100.0	1000.000	126.0	V	98.0	-0.9
16215.033333	54.81	82.23	27.42	100.0	1000.000	400.0	H	212.0	22.0
17996.300000	57.66	82.23	24.57	100.0	1000.000	310.0	V	60.0	25.1

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

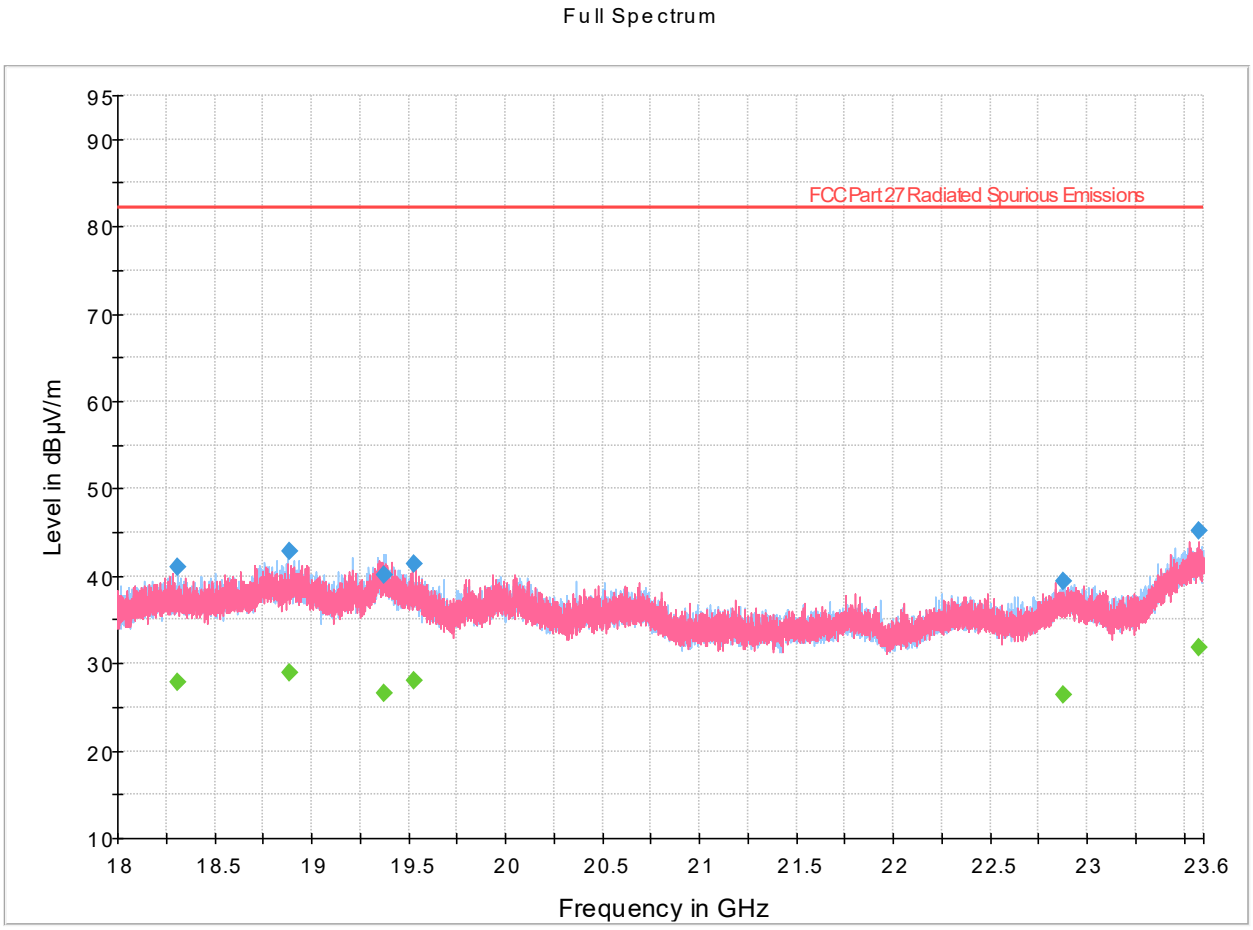


Figure 8.6-30: *Radiated emissions spectral plot (18 GHz - 23.6 GHz) – Band 30 (2350 MHz)*

Table 8.6-30*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18312.550000	41.10	---	82.23	41.13	5000.0	1000.000	144.0	H	0.0	15.4
18312.550000	---	27.89	---	---	5000.0	1000.000	144.0	H	0.0	15.4
18888.500000	---	28.94	---	---	5000.0	1000.000	273.0	H	208.0	15.9
18888.500000	42.86	---	82.23	39.37	5000.0	1000.000	273.0	H	208.0	15.9
19374.700000	40.16	---	82.23	42.07	5000.0	1000.000	302.0	H	77.0	16.7
19374.700000	---	26.53	---	---	5000.0	1000.000	302.0	H	77.0	16.7
19524.250000	41.35	---	82.23	40.88	5000.0	1000.000	134.0	V	234.0	16.3
19524.250000	---	28.04	---	---	5000.0	1000.000	134.0	V	234.0	16.3
22873.400000	---	26.36	---	---	5000.0	1000.000	206.0	H	127.0	19.1
22873.400000	39.39	---	82.23	42.84	5000.0	1000.000	206.0	H	127.0	19.1
23578.050000	45.13	---	82.23	37.10	5000.0	1000.000	203.0	V	150.0	23.9
23578.050000	---	31.79	---	---	5000.0	1000.000	203.0	V	150.0	23.9

Notes: [1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

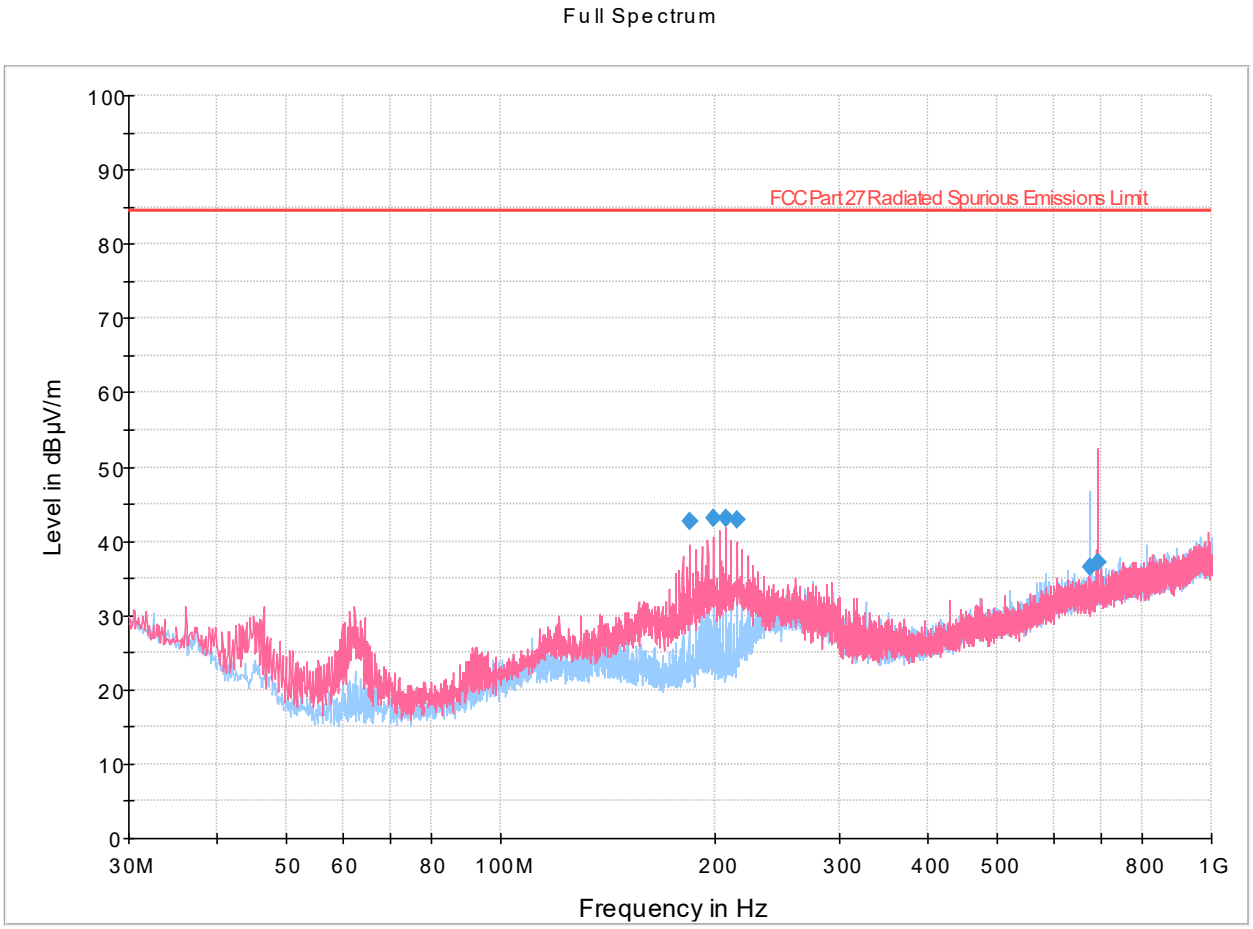


Figure 8.6-31: *Radiated emissions spectral plot (30 MHz - 1 GHz) – Band 30 (2355 MHz)*

Table 8.6-31*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
184.307000	42.63	84.40	41.77	5000.0	100.000	98.0	V	203.0	16.9
199.673000	43.13	84.40	41.27	5000.0	100.000	98.0	V	216.0	17.6
207.336000	43.01	84.40	41.39	5000.0	100.000	98.0	V	230.0	18.1
215.039000	42.79	84.40	41.61	5000.0	100.000	98.0	V	224.0	17.5
673.414000	36.44	84.40	47.96	5000.0	100.000	226.0	H	317.0	29.4
691.382000	37.16	84.40	47.24	5000.0	100.000	200.0	V	332.0	29.9

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

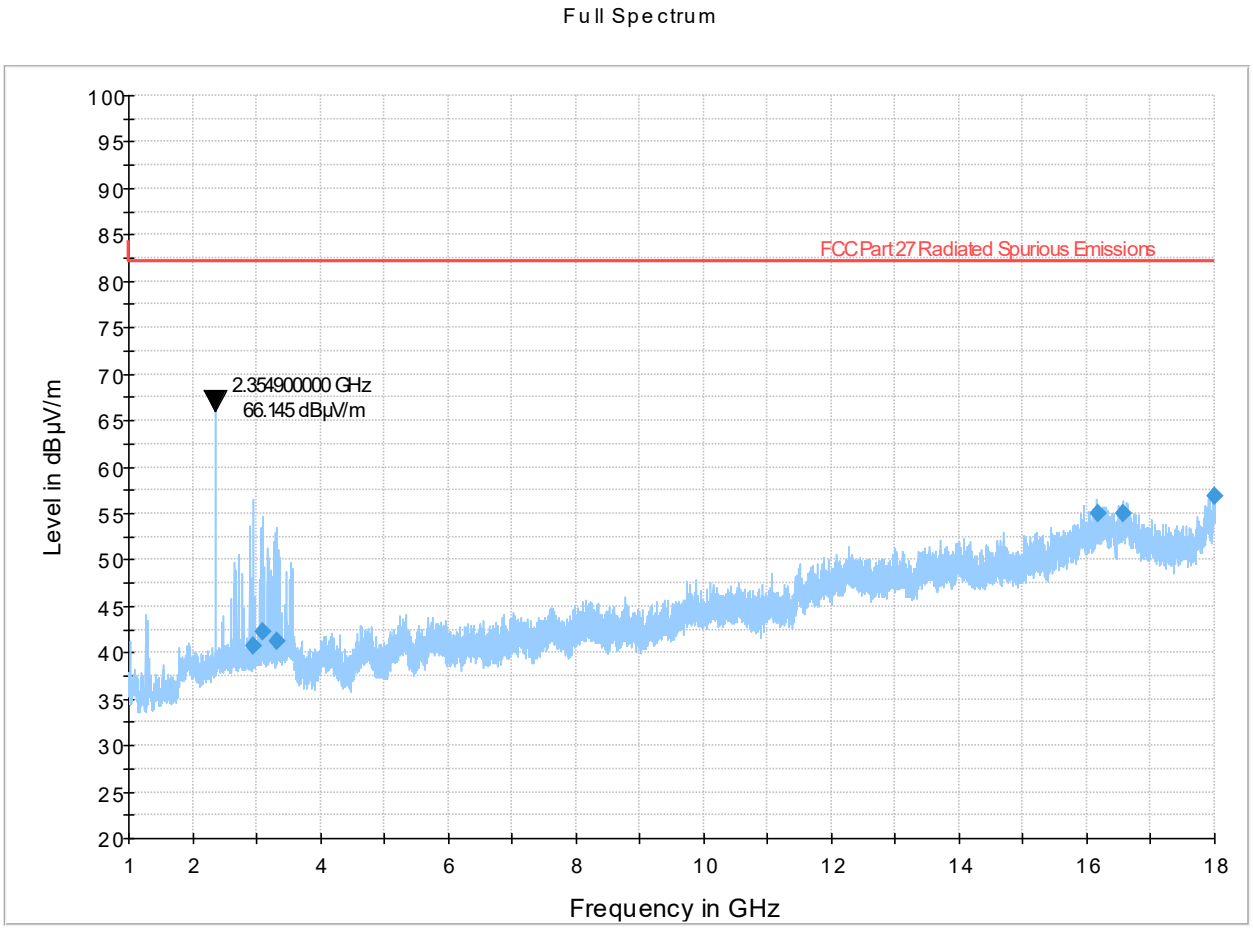


Figure 8.6-32: *Radiated emissions spectral plot (1 GHz - 18 GHz) – Band 30 (2355 MHz)*

Table 8.6-32*: Radiated emissions results*

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2952.233333	40.79	82.23	41.44	100.0	1000.000	134.0	V	275.0	-2.9
3099.966667	42.30	82.23	39.93	100.0	1000.000	398.0	H	236.0	-1.9
3329.166667	41.26	82.23	40.97	100.0	1000.000	268.0	H	262.0	-1.6
16164.966667	55.03	82.23	27.20	100.0	1000.000	308.0	H	120.0	22.5
16564.833333	54.96	82.23	27.27	100.0	1000.000	400.0	H	298.0	22.3
17992.066667	56.93	82.23	25.30	100.0	1000.000	100.0	V	339.0	24.8

Notes:
[1] Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
[2] Correction factors = antenna factor ACF (dB) + cable loss (dB)
[3] Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.