8.6.5.2 Operating frequency band: band 25: 1930 – 1995 MHz

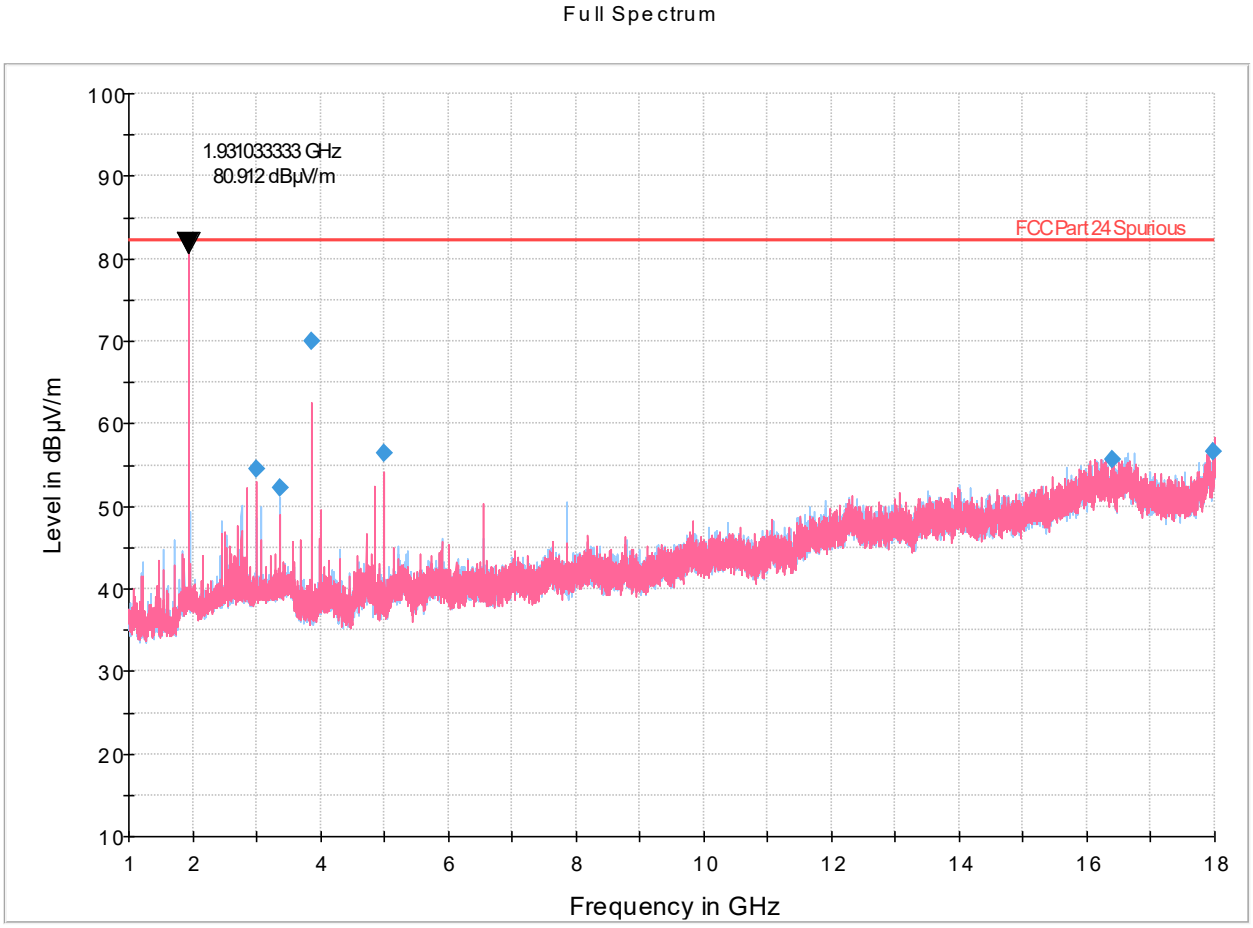

Figure 8.6-2: *Radiated emissions spectral plot (1 GHz - 18 GHz), low channel, broadband input signal*

Table 8.6-2*: 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)
3000.166667	54.52	82.23	27.71	100.0	1000.000	145.0	V	175.0	-2.4
3379.266667	52.21	82.23	30.02	100.0	1000.000	111.0	H	212.0	-1.5
3862.633333	69.92	82.23	12.31	100.0	1000.000	241.0	V	11.0	-0.7
4999.933333	56.49	82.23	25.74	100.0	1000.000	119.0	V	178.0	1.5
16384.733333	55.75	82.23	26.48	100.0	1000.000	318.0	V	0.0	22.4
17985.100000	56.70	82.23	25.53	100.0	1000.000	260.0	V	179.0	24.4

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.
Marked emission at 1.93 GHz is the fundamental emission and is not evaluated against the limits.

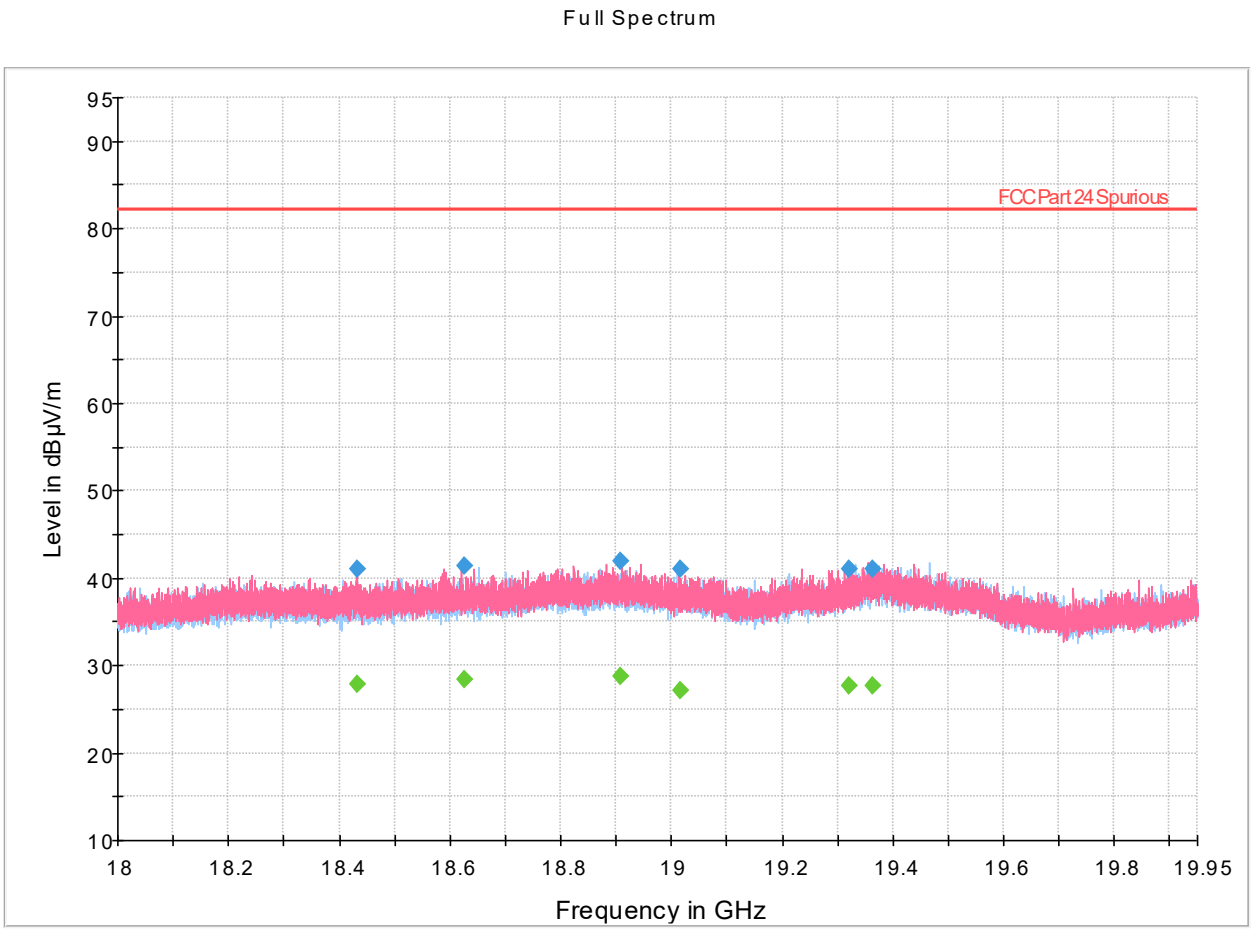

Figure 8.6-3: *Radiated emissions spectral plot (18 GHz - 19.95 GHz), low channel, broadband input signal*

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)
18433.415625	41.06	---	82.23	41.17	5000.0	1000.000	337.0	V	11.0	15.5
18433.415625	---	27.94	---	---	5000.0	1000.000	337.0	V	11.0	15.5
18626.409375	41.34	---	82.23	40.89	5000.0	1000.000	379.0	V	306.0	16.0
18626.409375	---	28.38	---	---	5000.0	1000.000	379.0	V	306.0	16.0
18906.693750	41.96	---	82.23	40.27	5000.0	1000.000	109.0	V	91.0	15.9
18906.693750	---	28.74	---	---	5000.0	1000.000	109.0	V	91.0	15.9
19017.318750	---	27.07	---	---	5000.0	1000.000	196.0	H	115.0	16.0
19017.318750	40.96	---	82.23	41.27	5000.0	1000.000	196.0	H	115.0	16.0
19321.996875	---	27.68	---	---	5000.0	1000.000	205.0	H	80.0	16.8
19321.996875	40.99	---	82.23	41.24	5000.0	1000.000	205.0	H	80.0	16.8
19363.371875	41.09	---	82.23	41.14	5000.0	1000.000	118.0	V	196.0	16.7
19363.371875	---	27.68	---	---	5000.0	1000.000	118.0	V	196.0	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.

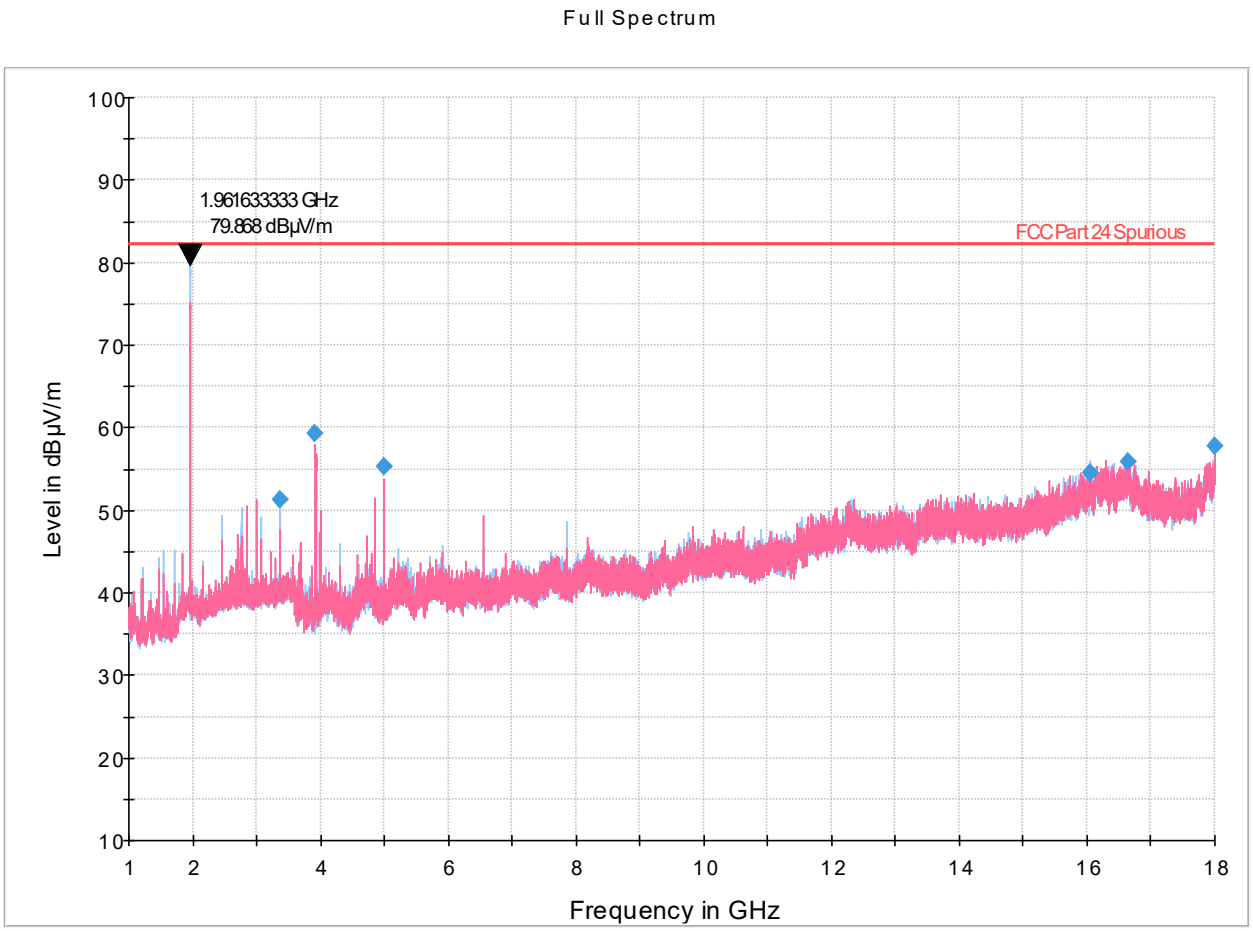

Figure 8.6-4: *Radiated emissions spectral plot (1 GHz - 18 GHz), mid channel, broadband input signal*

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)
3379.266667	51.28	82.23	30.95	100.0	1000.000	131.0	H	190.0	-1.5
3922.866667	59.22	82.23	23.01	100.0	1000.000	174.0	V	344.0	-0.4
4999.933333	55.32	82.23	26.91	100.0	1000.000	104.0	V	193.0	1.5
16051.033333	54.59	82.23	27.64	100.0	1000.000	138.0	H	0.0	22.4
16635.266667	55.80	82.23	26.43	100.0	1000.000	101.0	V	287.0	23.1
17997.733333	57.74	82.23	24.49	100.0	1000.000	293.0	V	321.0	25.2

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.
Marked emission at 1.96 GHz is the fundamental emission and is not evaluated against the limits.

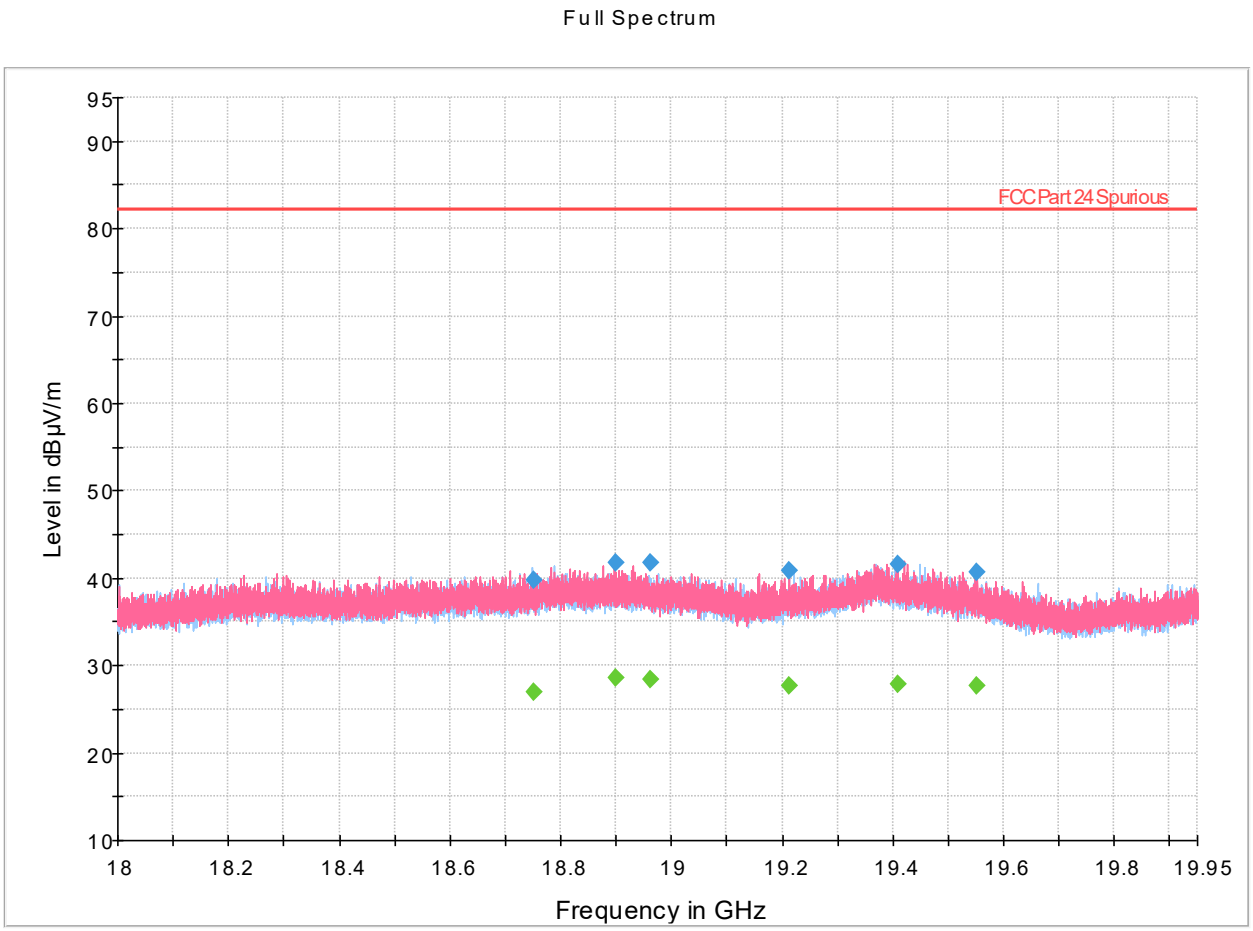

Figure 8.6-5: *Radiated emissions spectral plot (18 GHz - 19.95 GHz), mid channel, broadband input signal*

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)
18751.031250	---	26.90	---	---	5000.0	1000.000	400.0	H	291.0	15.9
18751.031250	39.71	---	82.23	42.52	5000.0	1000.000	400.0	H	291.0	15.9
18900.487500	41.78	---	82.23	40.45	5000.0	1000.000	376.0	V	241.0	15.9
18900.487500	---	28.58	---	---	5000.0	1000.000	376.0	V	241.0	15.9
18961.518750	41.80	---	82.23	40.43	5000.0	1000.000	331.0	V	88.0	15.9
18961.518750	---	28.36	---	---	5000.0	1000.000	331.0	V	88.0	15.9
19212.468750	40.92	---	82.23	41.31	5000.0	1000.000	257.0	V	285.0	16.3
19212.468750	---	27.64	---	---	5000.0	1000.000	257.0	V	285.0	16.3
19408.331250	---	27.80	---	---	5000.0	1000.000	372.0	V	20.0	16.6
19408.331250	41.55	---	82.23	40.68	5000.0	1000.000	372.0	V	20.0	16.6
19551.909375	40.62	---	82.23	41.61	5000.0	1000.000	128.0	V	0.0	16.3
19551.909375	---	27.71	---	---	5000.0	1000.000	128.0	V	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.

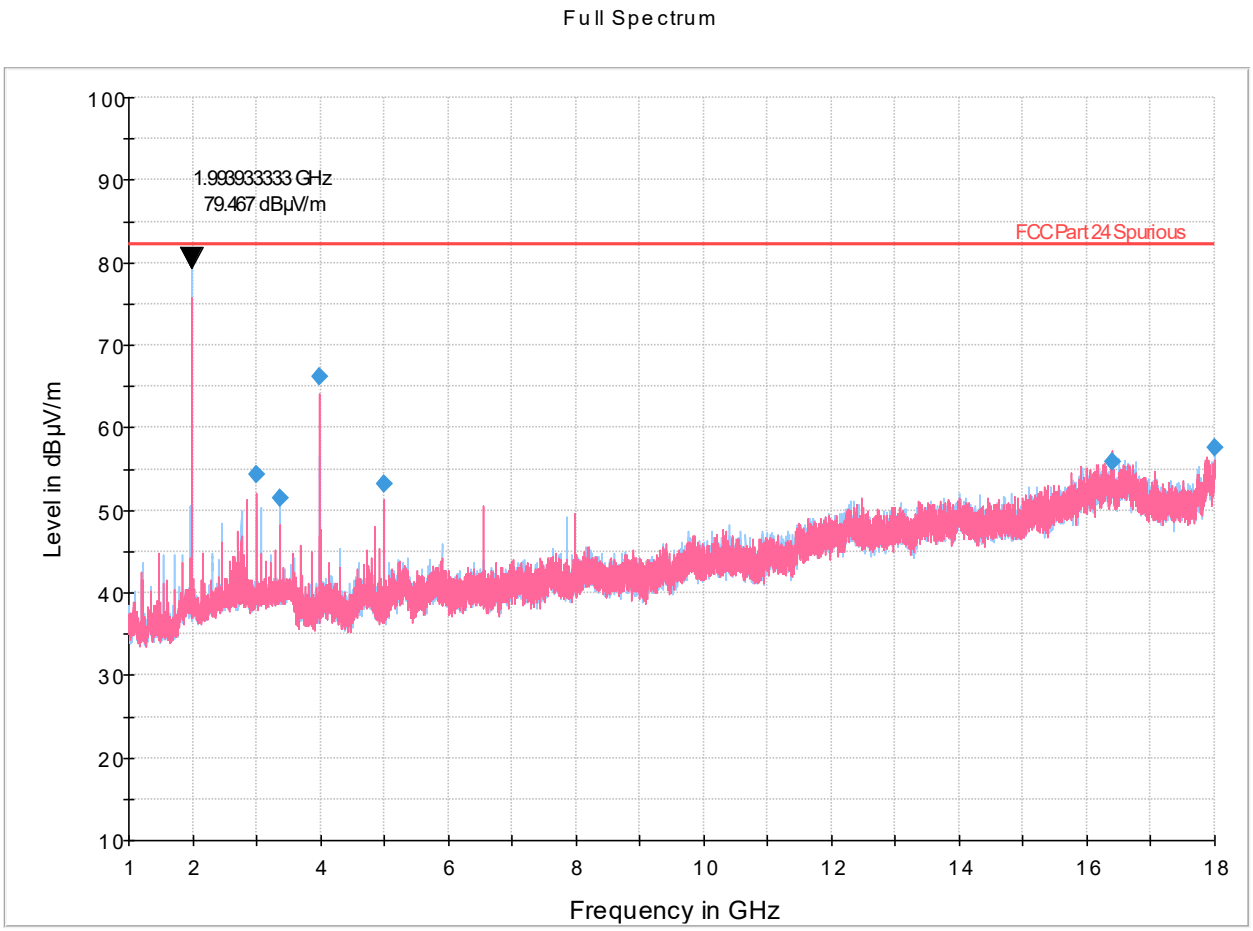

Figure 8.6-6: *Radiated emissions spectral plot (1 GHz - 18 GHz), high channel, broadband input signal*

Table 8.6-6*: 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)
3000.166667	54.34	82.23	27.89	100.0	1000.000	134.0	V	184.0	-2.4
3379.266667	51.54	82.23	30.69	100.0	1000.000	191.0	H	231.0	-1.5
3986.900000	66.25	82.23	15.98	100.0	1000.000	256.0	V	313.0	0.0
4999.933333	53.14	82.23	29.09	100.0	1000.000	100.0	V	166.0	1.5
16394.833333	55.90	82.23	26.33	100.0	1000.000	362.0	V	48.0	22.8
17997.900000	57.56	82.23	24.67	100.0	1000.000	278.0	H	150.0	25.2

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.
Marked emission at 1.99 GHz is the fundamental emission and is not evaluated against the limits.

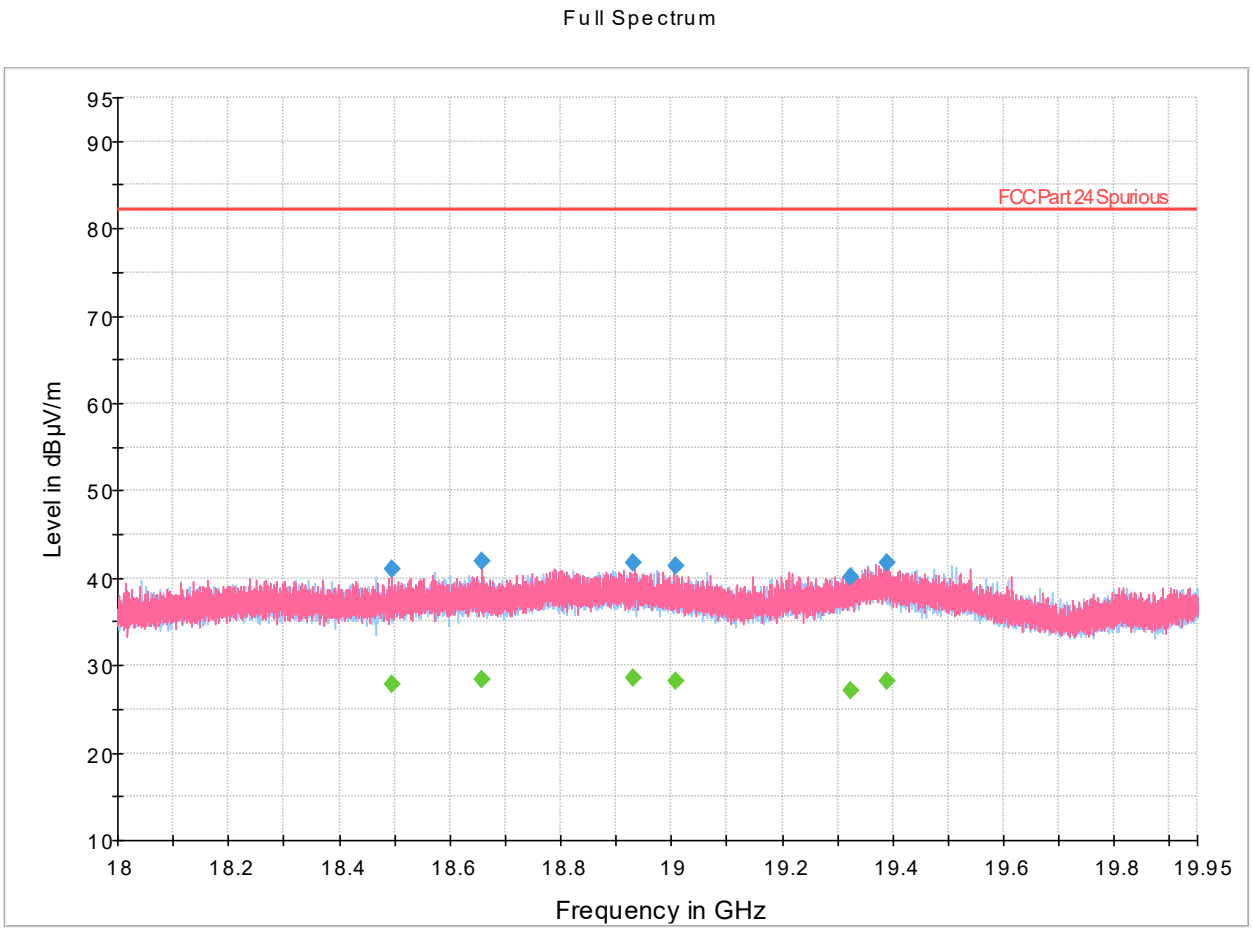

Figure 8.6-7: *Radiated emissions spectral plot (18 GHz - 19.95 GHz), high channel, broadband input signal*

Table 8.6-7*: 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)
18493.921875	41.12	---	82.23	41.11	5000.0	1000.000	179.0	V	214.0	15.7
18493.921875	---	27.93	---	---	5000.0	1000.000	179.0	V	214.0	15.7
18657.196875	---	28.43	---	---	5000.0	1000.000	118.0	V	275.0	16.0
18657.196875	41.86	---	82.23	40.37	5000.0	1000.000	118.0	V	275.0	16.0
18930.684375	41.80	---	82.23	40.43	5000.0	1000.000	400.0	V	150.0	15.9
18930.684375	---	28.52	---	---	5000.0	1000.000	400.0	V	150.0	15.9
19009.003125	41.34	---	82.23	40.89	5000.0	1000.000	157.0	V	344.0	16.0
19009.003125	---	28.28	---	---	5000.0	1000.000	157.0	V	344.0	16.0
19322.840625	---	27.21	---	---	5000.0	1000.000	186.0	H	54.0	16.8
19322.840625	40.11	---	82.23	42.12	5000.0	1000.000	186.0	H	54.0	16.8
19388.475000	41.76	---	82.23	40.47	5000.0	1000.000	400.0	V	139.0	16.6
19388.475000	---	28.15	---	---	5000.0	1000.000	400.0	V	139.0	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.

8.6.5.3 Operating frequency band: band 66: 2110 – 2180 MHz

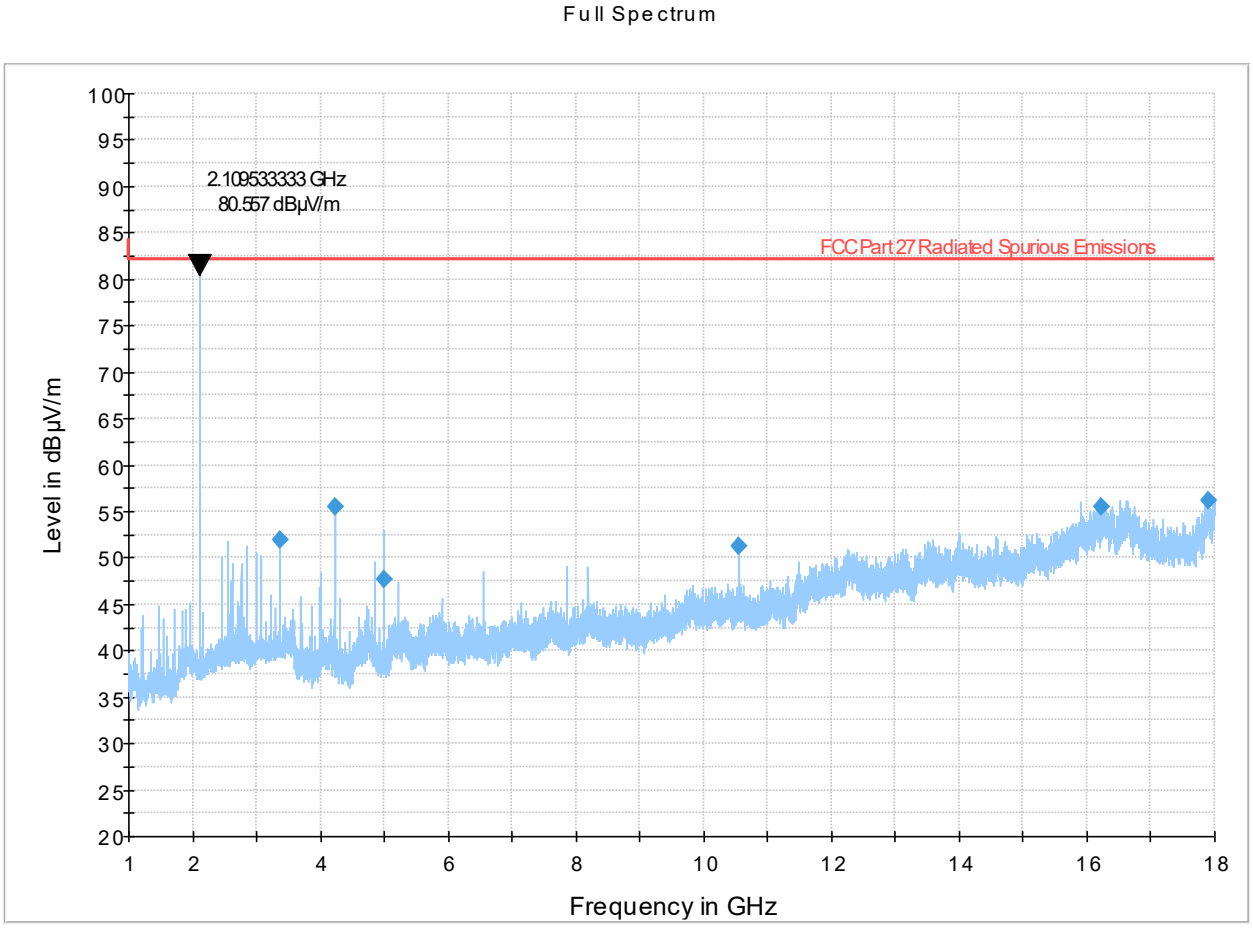

Figure 8.6-8: *Radiated emissions spectral plot (1 GHz - 18 GHz), low channel, broadband input signal*

Table 8.6-8*: 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)
3379.266667	51.95	82.23	30.28	100.0	1000.000	203.0	H	216.0	-1.5
4222.466667	55.55	82.23	26.68	100.0	1000.000	271.0	V	85.0	0.5
4999.933333	47.74	82.23	34.49	100.0	1000.000	145.0	V	196.0	1.5
10556.833333	51.33	82.23	30.90	100.0	1000.000	194.0	V	11.0	11.0
16225.000000	55.43	82.23	26.80	100.0	1000.000	232.0	V	34.0	22.1
17893.800000	56.20	82.23	26.03	100.0	1000.000	153.0	V	0.0	23.5

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.
Marked emission at 2.11 GHz is the fundamental emission and is not evaluated against the limits.

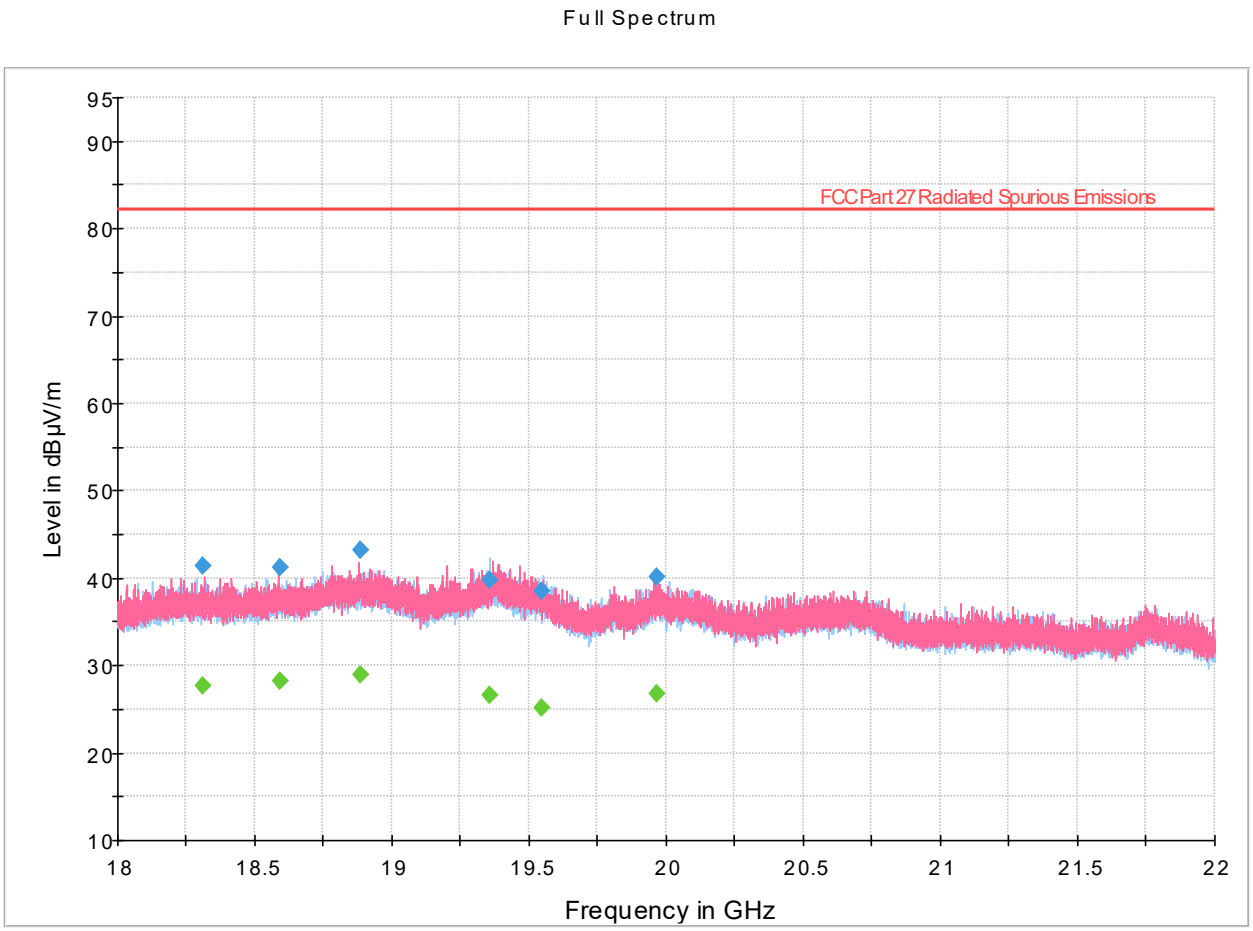

Figure 8.6-9: *Radiated emissions spectral plot (18 GHz - 22 GHz), low channel, broadband input signal*

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)
18312.600000	41.34	---	82.23	40.89	5000.0	1000.000	400.0	V	104.0	15.4
18312.600000	---	27.61	---	---	5000.0	1000.000	400.0	V	104.0	15.4
18590.700000	41.13	---	82.23	41.10	5000.0	1000.000	400.0	V	266.0	16.1
18590.700000	---	28.24	---	---	5000.0	1000.000	400.0	V	266.0	16.1
18883.350000	43.23	---	82.23	39.00	5000.0	1000.000	322.0	V	223.0	15.9
18883.350000	---	28.95	---	---	5000.0	1000.000	322.0	V	223.0	15.9
19355.550000	---	26.64	---	---	5000.0	1000.000	114.0	H	170.0	16.7
19355.550000	39.86	---	82.23	42.37	5000.0	1000.000	114.0	H	170.0	16.7
19546.700000	38.45	---	82.23	43.79	5000.0	1000.000	252.0	H	0.0	16.3
19546.700000	---	25.20	---	---	5000.0	1000.000	252.0	H	0.0	16.3
19963.400000	---	26.72	---	---	5000.0	1000.000	166.0	V	211.0	16.3
19963.400000	40.19	---	82.23	42.04	5000.0	1000.000	166.0	V	211.0	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.

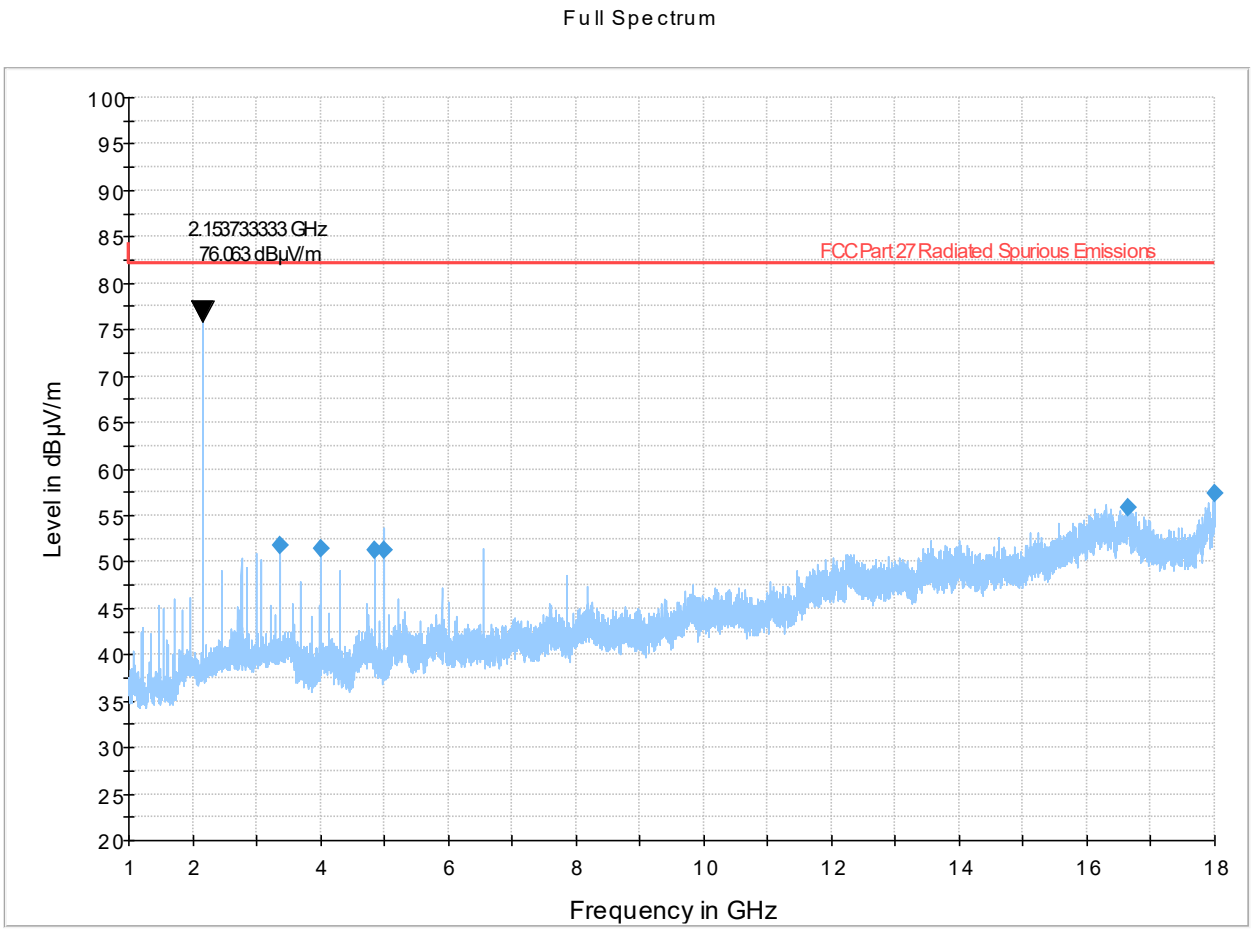

Figure 8.6-10: *Radiated emissions spectral plot (1 GHz - 18 GHz), high channel, broadband input signal*

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)
3379.266667	51.83	82.23	30.40	100.0	1000.000	202.0	H	215.0	-1.5
3999.933333	51.49	82.23	30.74	100.0	1000.000	108.0	V	173.0	0.1
4857.300000	51.24	82.23	30.99	100.0	1000.000	100.0	V	173.0	1.5
4999.933333	51.32	82.23	30.91	100.0	1000.000	107.0	V	174.0	1.5
16635.533333	55.78	82.23	26.45	100.0	1000.000	212.0	H	262.0	23.1
17997.433333	57.36	82.23	24.87	100.0	1000.000	218.0	H	350.0	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.
Marked emission at 2.15 GHz is the fundamental emission and is not evaluated against the limits.

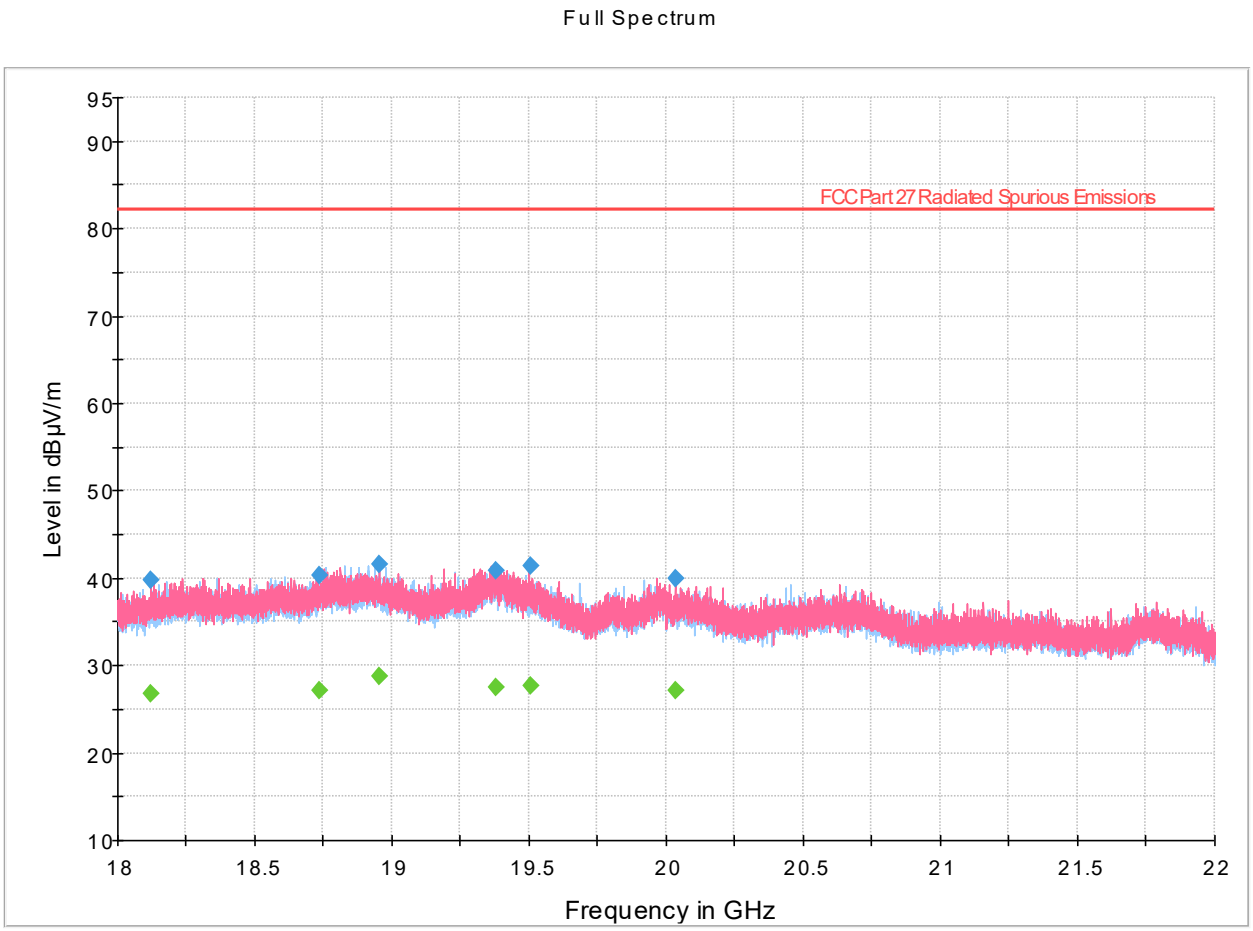

Figure 8.6-11: *Radiated emissions spectral plot (18 GHz - 22 GHz), high channel, broadband input signal*

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)
18122.900000	39.77	---	82.23	42.46	5000.0	1000.000	221.0	V	69.0	15.7
18122.900000	---	26.82	---	---	5000.0	1000.000	221.0	V	69.0	15.7
18736.000000	40.25	---	82.23	41.98	5000.0	1000.000	197.0	H	212.0	15.9
18736.000000	---	27.19	---	---	5000.0	1000.000	197.0	H	212.0	15.9
18953.850000	---	28.68	---	---	5000.0	1000.000	132.0	V	81.0	15.9
18953.850000	41.67	---	82.23	40.56	5000.0	1000.000	132.0	V	81.0	15.9
19380.050000	---	27.55	---	---	5000.0	1000.000	372.0	V	0.0	16.6
19380.050000	40.78	---	82.23	41.45	5000.0	1000.000	372.0	V	0.0	16.6
19504.600000	---	27.67	---	---	5000.0	1000.000	237.0	V	0.0	16.4
19504.600000	41.42	---	82.23	40.81	5000.0	1000.000	237.0	V	0.0	16.4
20032.950000	---	27.06	---	---	5000.0	1000.000	286.0	V	259.0	16.6
20032.950000	40.02	---	82.23	42.21	5000.0	1000.000	286.0	V	259.0	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.

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

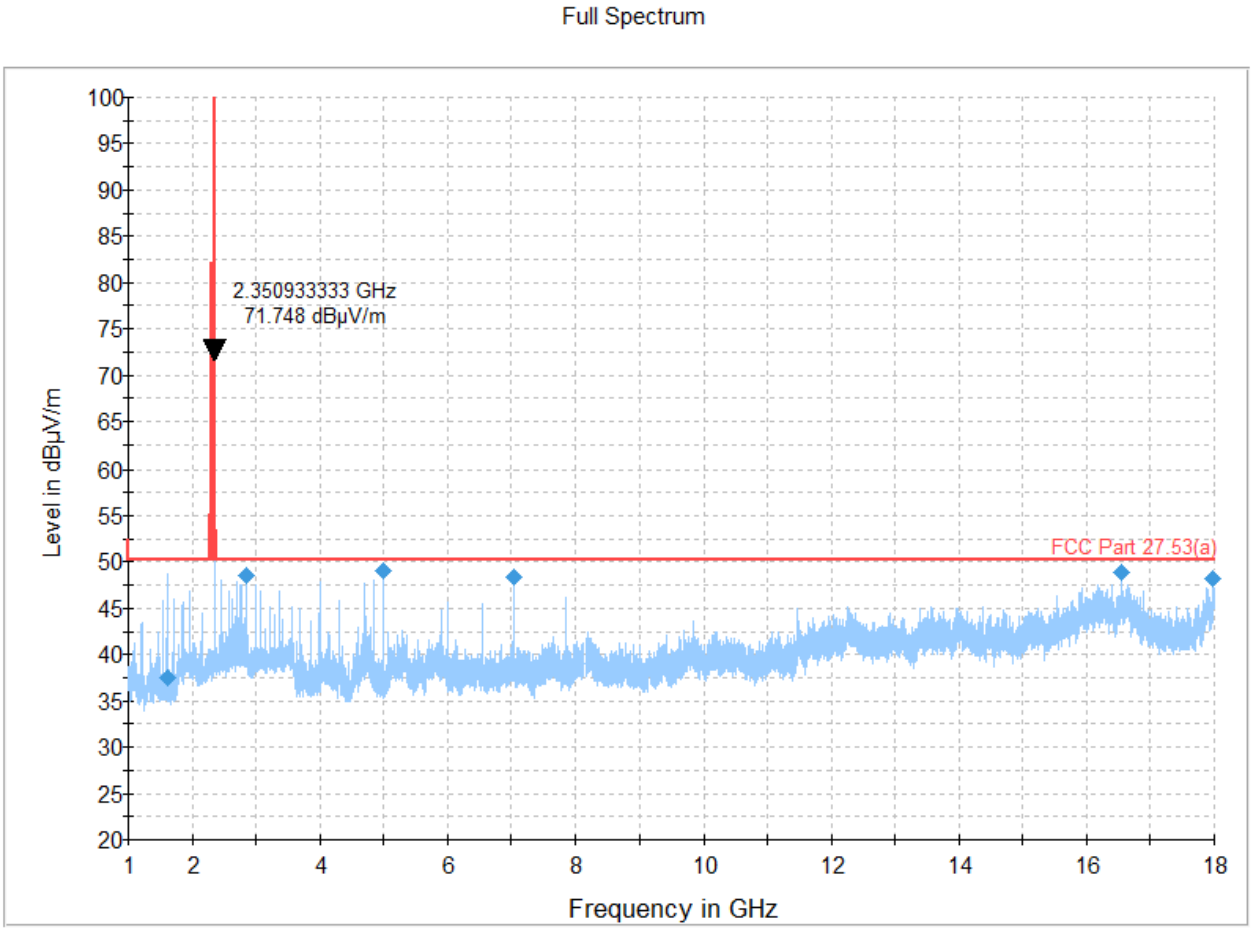

Figure 8.6-12: *Radiated emissions spectral plot (1 GHz - 18 GHz), low channel, broadband input signal*

Table 8.6-12*: 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)
1619.966667	37.49	50.23	12.74	100	1000	393.0	H	204.0	-9.3
2856.966667	47.05	50.23	3.18	100	1000	122.0	V	172.0	-2.9
5000.100000	47.25	50.23	2.98	100	1000	104.0	V	178.0	1.5
7052.966667	45.13	50.23	5.10	100	1000	213.0	V	22.0	4.8
16551.700000	48.16	50.23	2.07	100	1000	221.0	V	355.0	22.3
17997.033333	45.20	50.23	5.03	100	1000	274.0	H	201.0	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.
Marked emission at 2.35 GHz is the fundamental emission and is not evaluated against the limits.

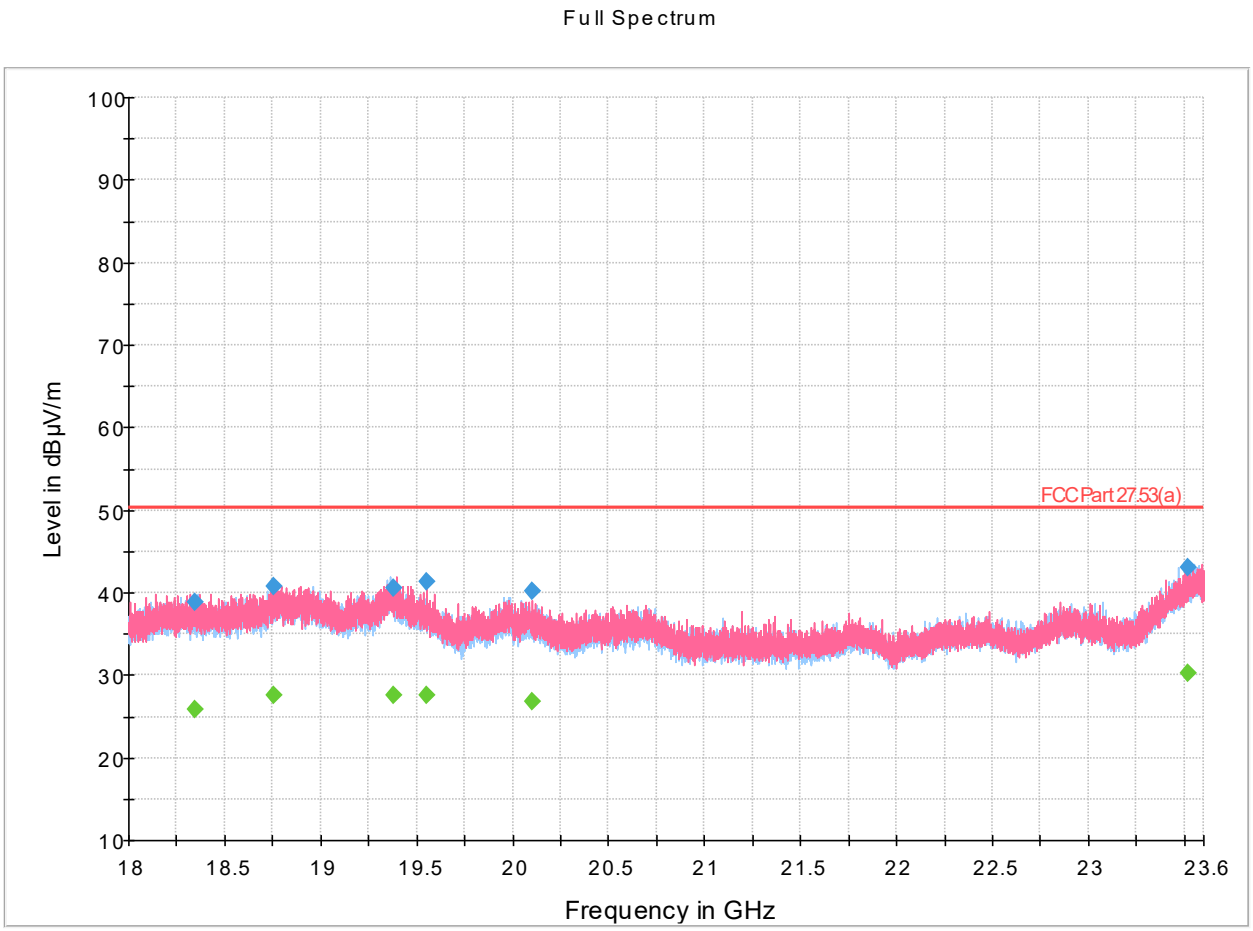

Figure 8.6-13: *Radiated emissions spectral plot (18 GHz - 23.6 GHz), low channel, broadband input signal*

Table 8.6-13*: 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)
18345.700000	38.81	---	50.23	11.42	5000.0	1000.000	275.0	H	254.0	15.3
18345.700000	---	25.92	---	---	5000.0	1000.000	275.0	H	254.0	15.3
18752.850000	40.83	---	50.23	9.40	5000.0	1000.000	183.0	V	194.0	15.9
18752.850000	---	27.50	---	---	5000.0	1000.000	183.0	V	194.0	15.9
19383.000000	---	27.51	---	---	5000.0	1000.000	118.0	V	68.0	16.6
19383.000000	40.56	---	50.23	9.67	5000.0	1000.000	118.0	V	68.0	16.6
19554.950000	41.33	---	50.23	8.90	5000.0	1000.000	339.0	V	44.0	16.3
19554.950000	---	27.50	---	---	5000.0	1000.000	339.0	V	44.0	16.3
20101.350000	40.13	---	50.23	10.10	5000.0	1000.000	380.0	V	144.0	16.8
20101.350000	---	26.86	---	---	5000.0	1000.000	380.0	V	144.0	16.8
23519.250000	---	30.25	---	---	5000.0	1000.000	362.0	V	126.0	23.3
23519.250000	43.07	---	50.23	7.16	5000.0	1000.000	362.0	V	126.0	23.3

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.

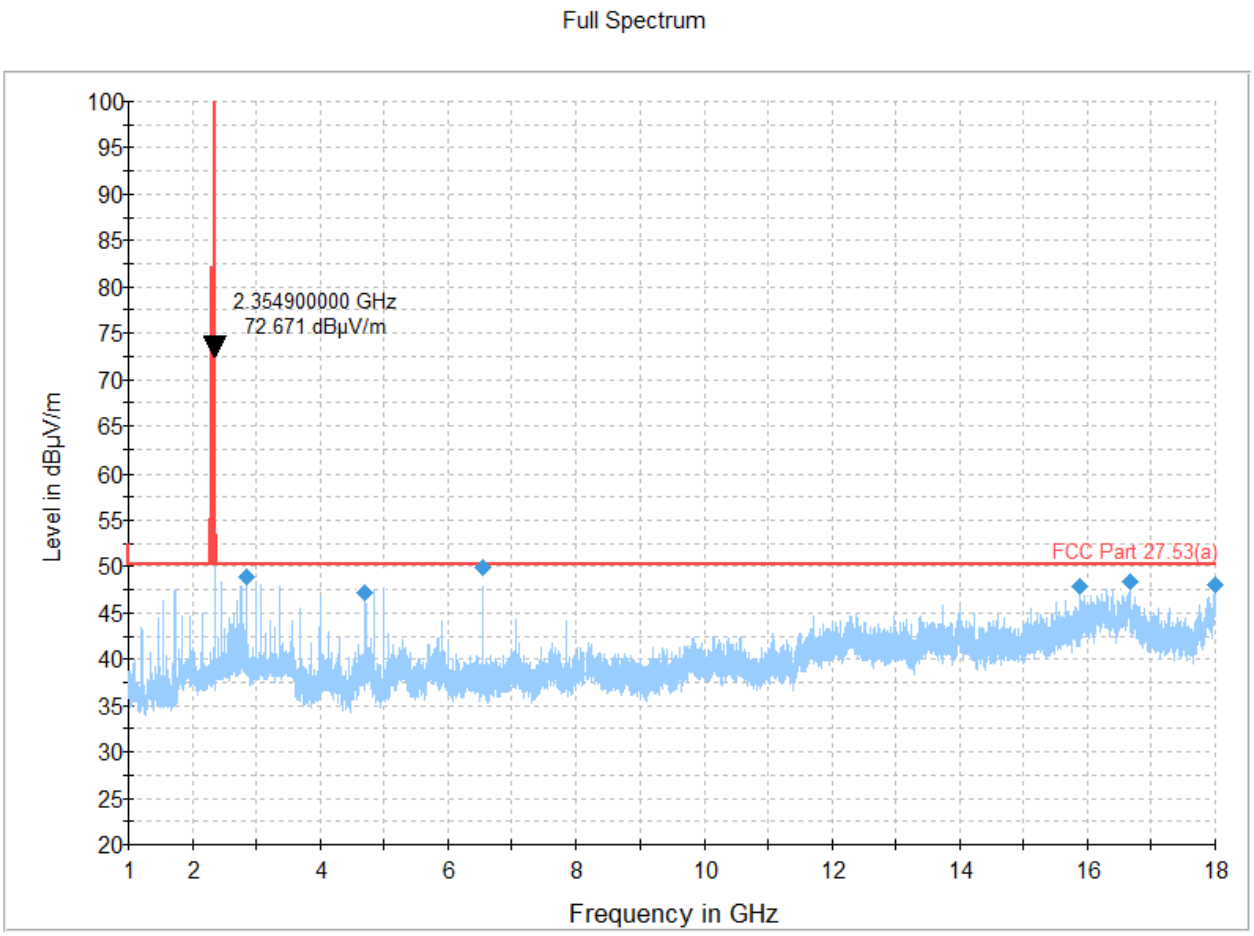

Figure 8.6-14: *Radiated emissions spectral plot (1 GHz - 18 GHz), middle channel, broadband input signal*

Table 8.6-14*: 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)
2856.966667	48.95	50.23	1.28	100	1000	126.0	V	174.0	-2.9
4712.066667	44.29	50.23	5.94	100	1000	298.0	V	0.0	1.9
6553.733333	49.88	50.23	0.35	100	1000	200.0	V	347.0	4.5
15871.300000	45.02	50.23	5.21	100	1000	281.0	H	0.0	20.9
16656.500000	46.85	50.23	3.38	100	1000	380.0	H	72.0	23.2
17994.166667	45.89	50.23	4.34	100	1000	359.0	H	0.0	24.9

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.
Marked emission at 2.35 GHz is the fundamental emission and is not evaluated against the limits.

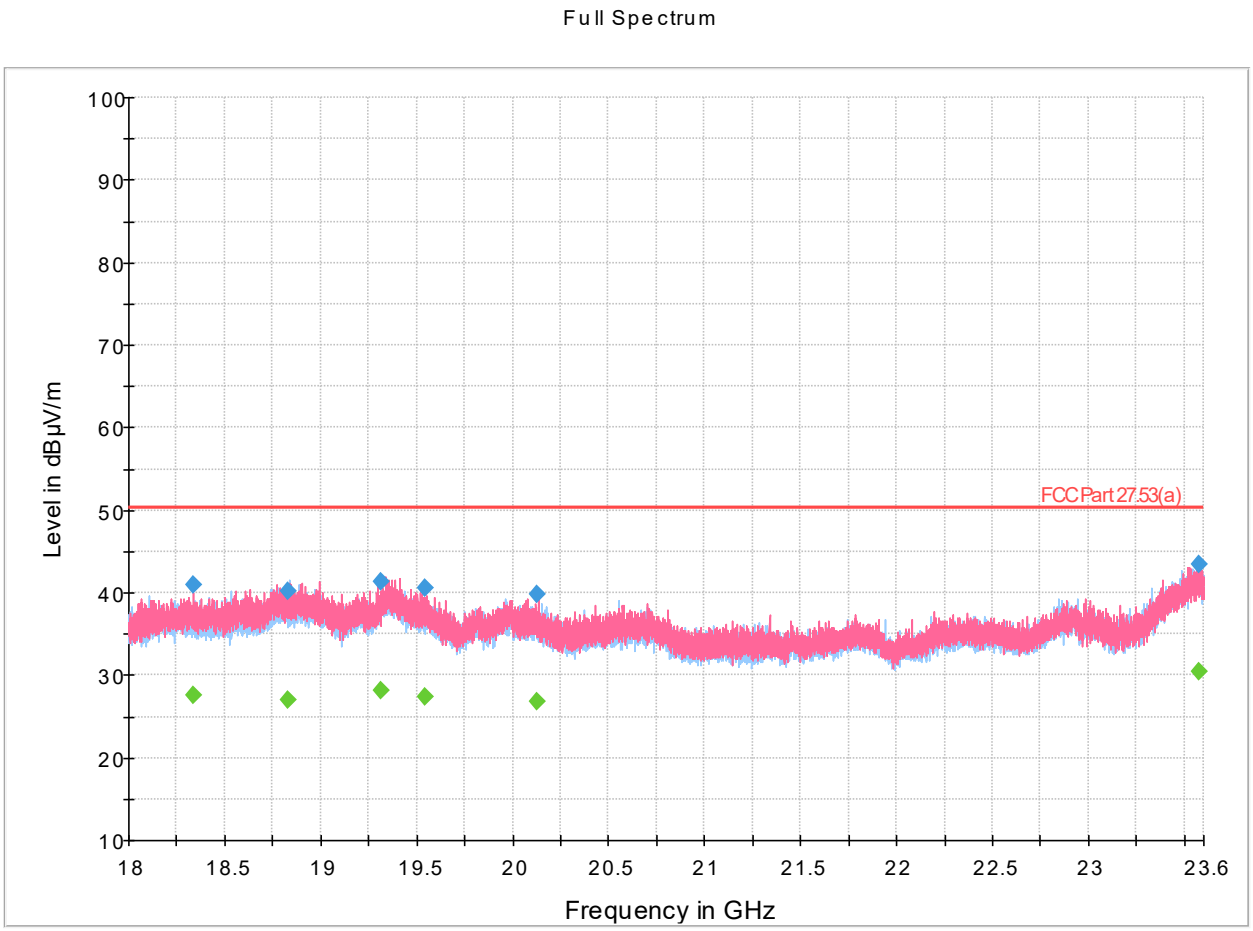

Figure 8.6-15: *Radiated emissions spectral plot (18 GHz - 23.6 GHz), middle channel, broadband input signal*

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)
18338.500000	---	27.65	---	---	5000.0	1000.000	382.0	V	222.0	15.3
18338.500000	41.02	---	50.23	9.21	5000.0	1000.000	382.0	V	222.0	15.3
18828.900000	40.21	---	50.23	10.02	5000.0	1000.000	151.0	H	266.0	15.9
18828.900000	---	27.06	---	---	5000.0	1000.000	151.0	H	266.0	15.9
19309.800000	41.35	---	50.23	8.88	5000.0	1000.000	261.0	V	10.0	16.7
19309.800000	---	28.11	---	---	5000.0	1000.000	261.0	V	10.0	16.7
19540.100000	---	27.40	---	---	5000.0	1000.000	155.0	V	92.0	16.3
19540.100000	40.53	---	50.23	9.70	5000.0	1000.000	155.0	V	92.0	16.3
20126.850000	---	26.84	---	---	5000.0	1000.000	309.0	V	20.0	16.8
20126.850000	39.84	---	50.23	10.39	5000.0	1000.000	309.0	V	20.0	16.8
23572.900000	---	30.50	---	---	5000.0	1000.000	216.0	H	36.0	23.9
23572.900000	43.51	---	50.23	6.72	5000.0	1000.000	216.0	H	36.0	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.

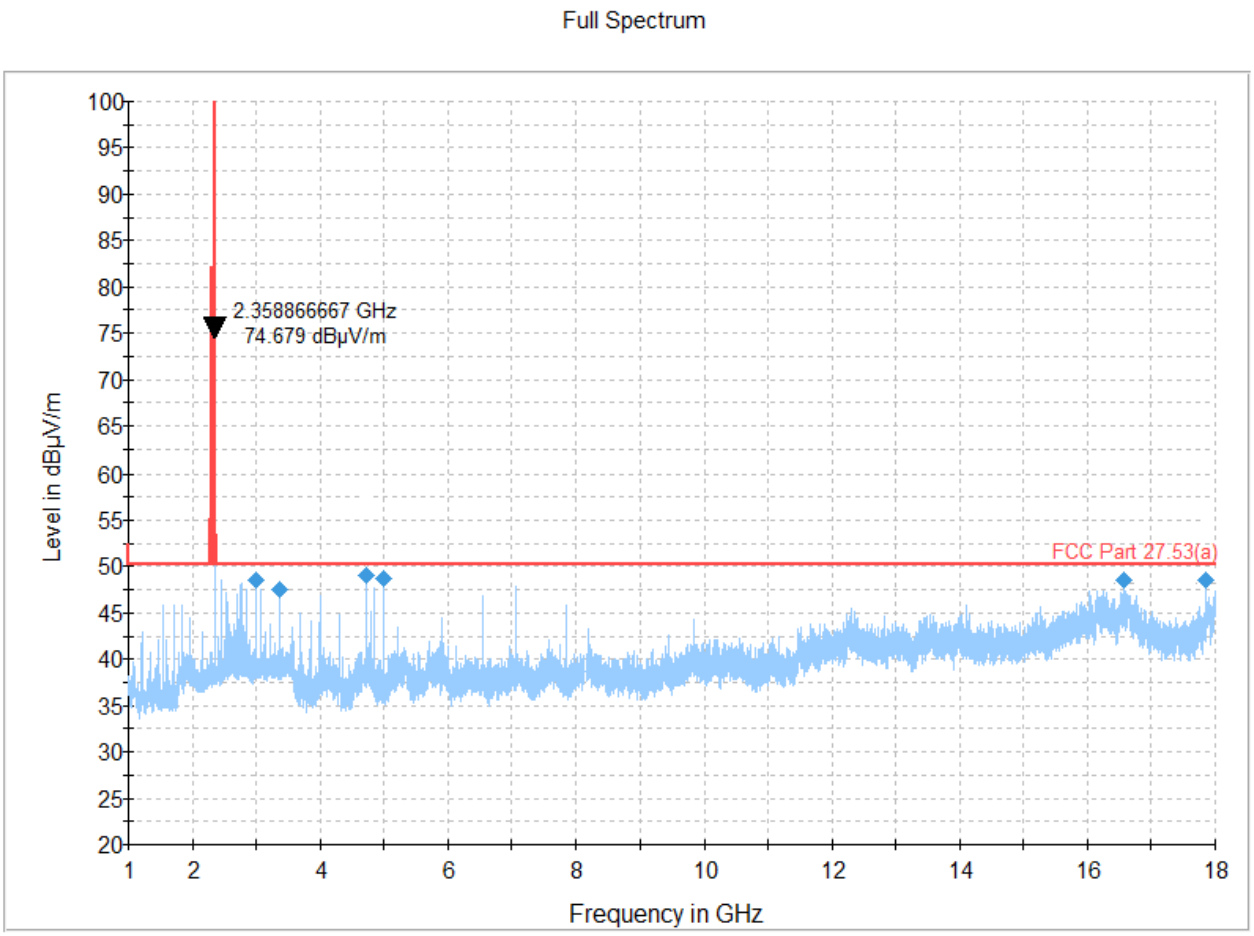

Figure 8.6-16: *Radiated emissions spectral plot (1 GHz - 18 GHz), highest channel, broadband input signal*

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)
3000.166667	47.36	50.23	2.87	100	1000	144.0	V	174.0	-2.4
3379.266667	44.82	50.23	5.41	100	1000	100.0	H	210.0	-1.5
4717.500000	48.89	50.23	1.34	100	1000	298.0	V	0.0	1.9
4999.933333	47.60	50.23	2.63	100	1000	111.0	V	201.0	1.5
16573.066667	47.51	50.23	2.72	100	1000	290.0	V	123.0	22.2
17866.166667	45.99	50.23	4.24	100	1000	374.0	V	11.0	22.9

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.
Marked emission at 2.36 GHz is the fundamental emission and is not evaluated against the limits.

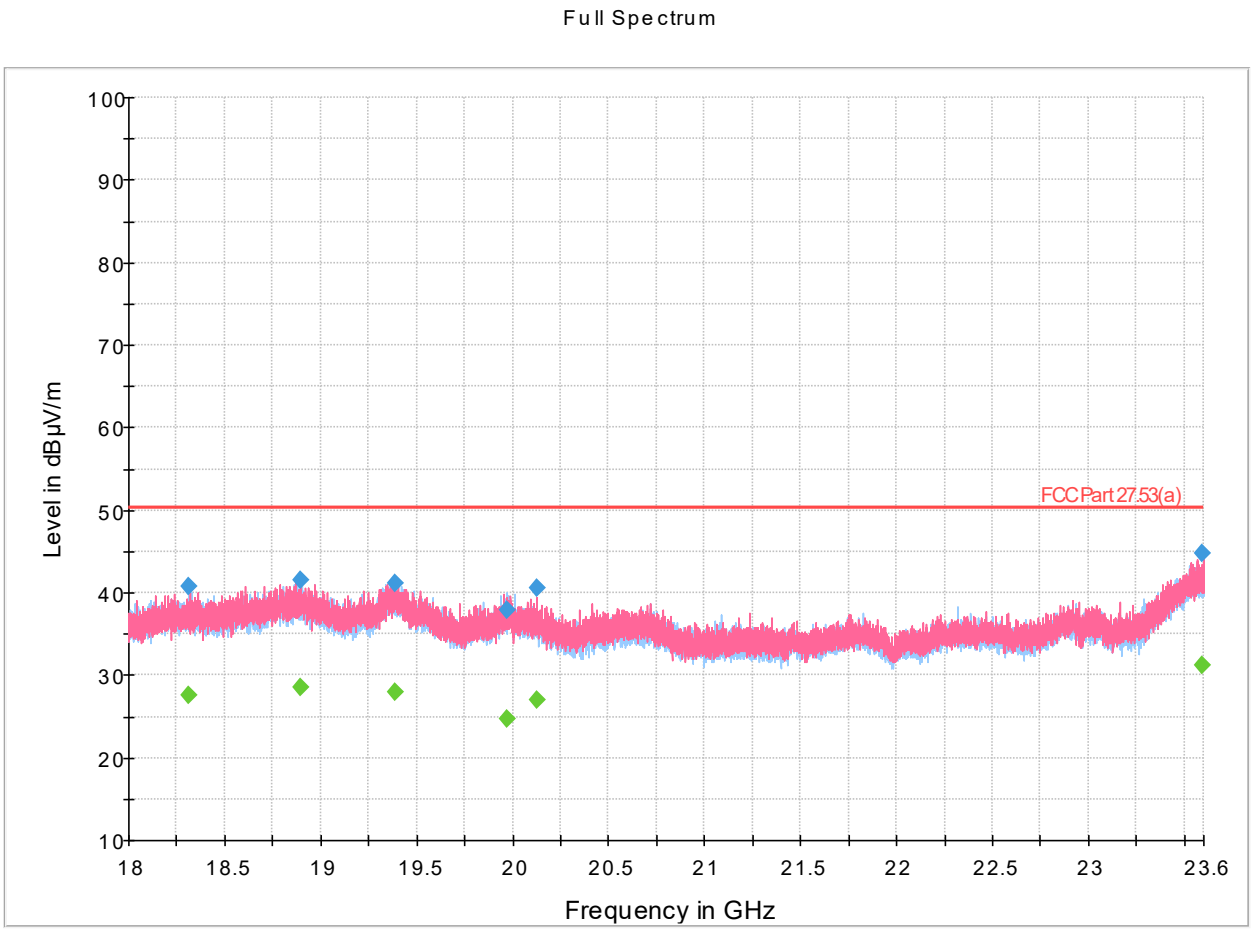

Figure 8.6-17: *Radiated emissions spectral plot (18 GHz - 23.6 GHz), highest channel, broadband input signal*

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)
18309.450000	---	27.49	---	---	5000.0	1000.000	232.0	V	243.0	15.4
18309.450000	40.84	---	50.23	9.39	5000.0	1000.000	232.0	V	243.0	15.4
18895.750000	---	28.48	---	---	5000.0	1000.000	114.0	V	11.0	15.9
18895.750000	41.47	---	50.23	8.76	5000.0	1000.000	114.0	V	11.0	15.9
19386.050000	---	27.90	---	---	5000.0	1000.000	244.0	V	326.0	16.6
19386.050000	41.17	---	50.23	9.06	5000.0	1000.000	244.0	V	326.0	16.6
19968.050000	37.89	---	50.23	12.34	5000.0	1000.000	400.0	H	0.0	16.3
19968.050000	---	24.71	---	---	5000.0	1000.000	400.0	H	0.0	16.3
20124.000000	40.59	---	50.23	9.64	5000.0	1000.000	326.0	V	198.0	16.8
20124.000000	---	27.00	---	---	5000.0	1000.000	326.0	V	198.0	16.8
23594.800000	---	31.13	---	---	5000.0	1000.000	234.0	V	79.0	23.8
23594.800000	44.83	---	50.23	5.40	5000.0	1000.000	234.0	V	79.0	23.8

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.

8.6.5.5 Operating frequency band: band 41: 2496 – 2690 MHz

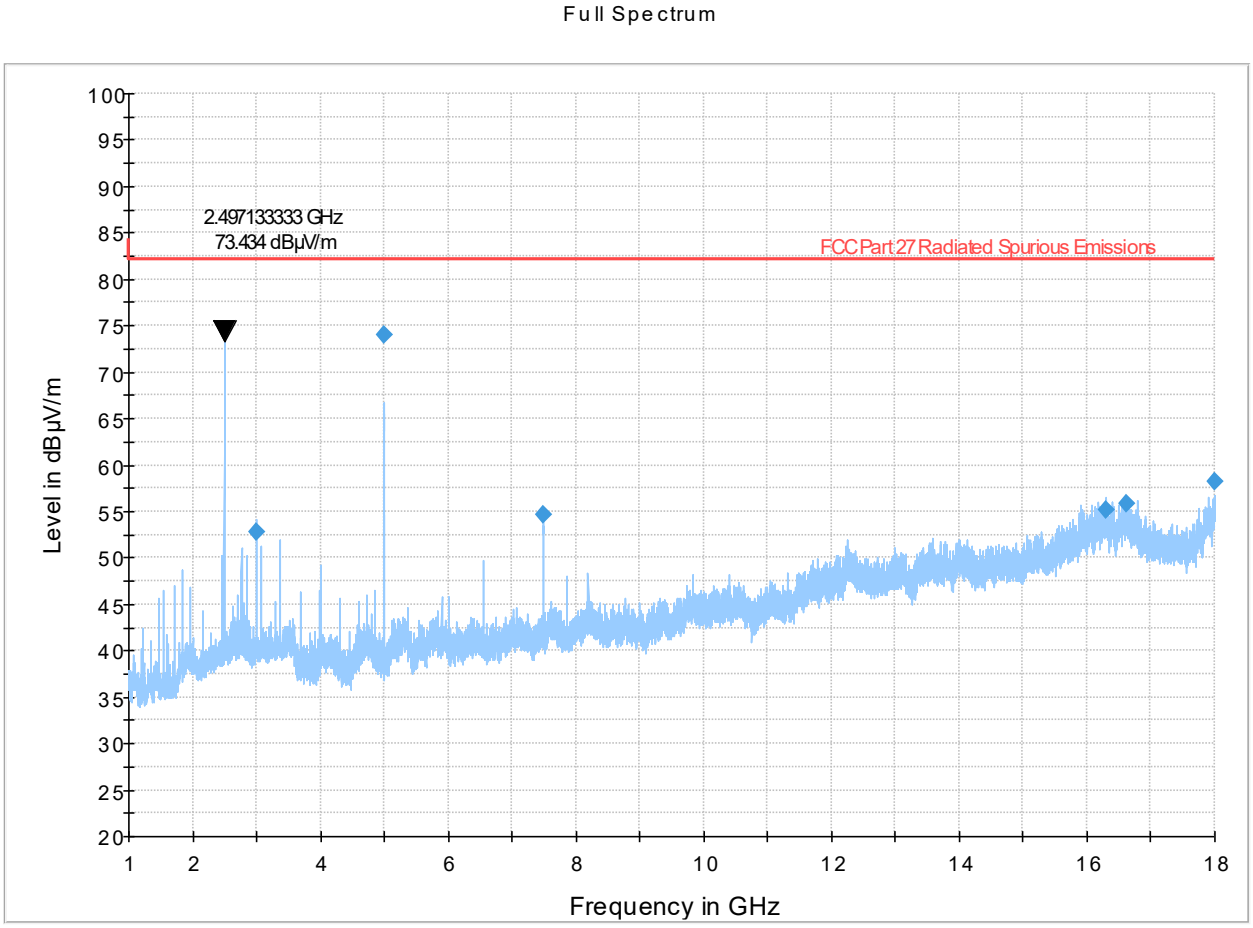

Figure 8.6-18: *Radiated emissions spectral plot (1 GHz - 18 GHz), lowest channel, broadband input signal*

Table 8.6-18*: 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)
3000.166667	52.84	82.23	29.39	100.0	1000.000	100.0	V	174.0	-2.4
4995.000000	73.98	82.23	8.25	100.0	1000.000	148.0	H	86.0	1.4
7492.133333	54.71	82.23	27.52	100.0	1000.000	296.0	V	22.0	6.0
16307.633333	55.10	82.23	27.13	100.0	1000.000	107.0	V	229.0	22.6
16619.133333	55.91	82.23	26.32	100.0	1000.000	160.0	H	112.0	22.7
17997.800000	58.25	82.23	23.98	100.0	1000.000	145.0	H	86.0	25.2

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.
Marked emission at 2.50 GHz is the fundamental emission and is not evaluated against the limits.

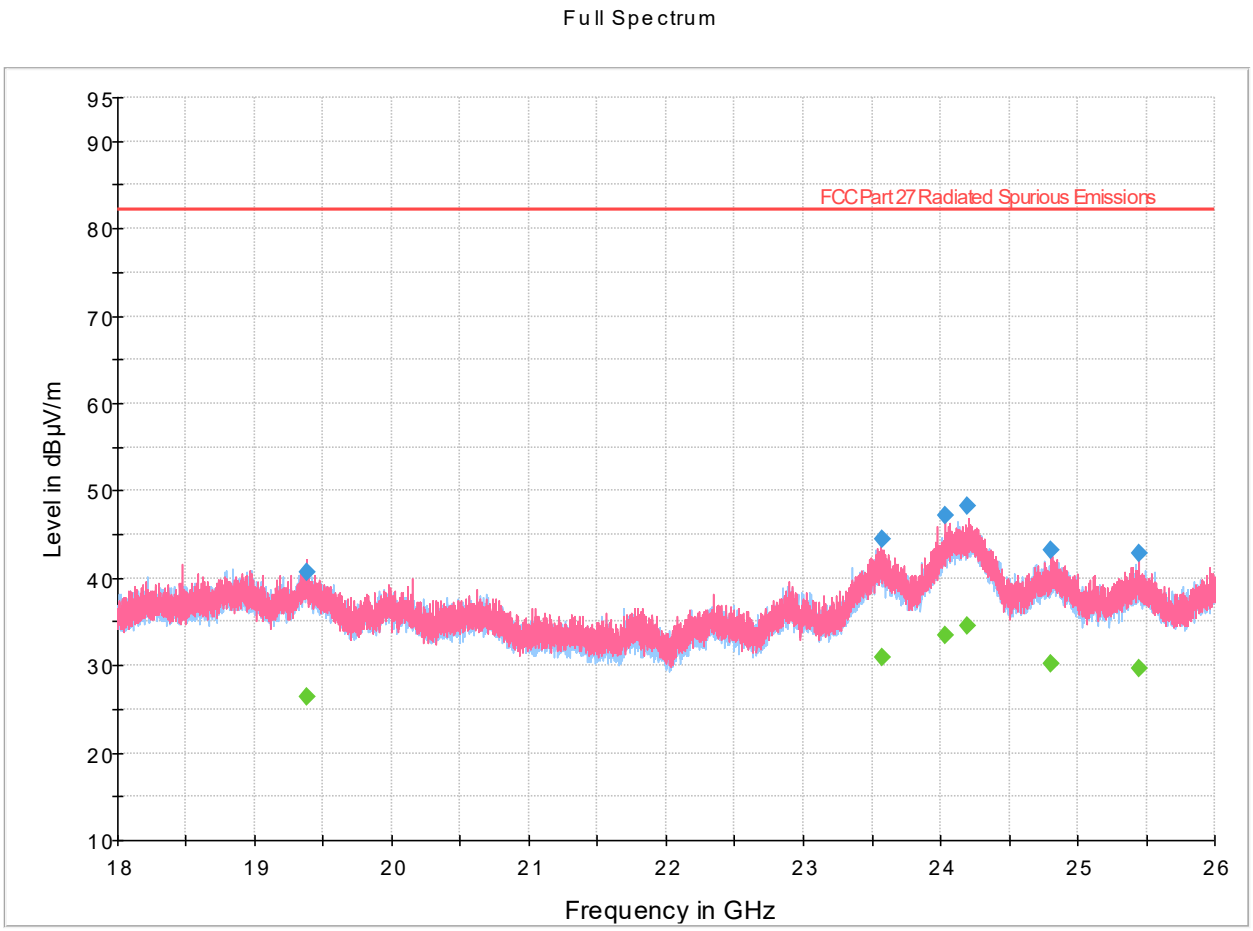

Figure 8.6-19: *Radiated emissions spectral plot (18 GHz - 26 GHz), lowest channel, broadband input signal*

Table 8.6-19*: 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)
19374.000000	---	26.48	---	---	5000.0	1000.000	160.0	V	333.0	16.7
19374.000000	40.73	---	82.23	41.50	5000.0	1000.000	160.0	V	333.0	16.7
23578.500000	44.41	---	82.23	37.82	5000.0	1000.000	400.0	V	188.0	23.9
23578.500000	---	30.95	---	---	5000.0	1000.000	400.0	V	188.0	23.9
24036.500000	---	33.40	---	---	5000.0	1000.000	225.0	V	320.0	27.6
24036.500000	47.09	---	82.23	35.14	5000.0	1000.000	225.0	V	320.0	27.6
24200.900000	---	34.53	---	---	5000.0	1000.000	243.0	V	303.0	27.1
24200.900000	48.21	---	82.23	34.02	5000.0	1000.000	243.0	V	303.0	27.1
24809.700000	43.16	---	82.23	39.07	5000.0	1000.000	338.0	V	0.0	22.3
24809.700000	---	30.24	---	---	5000.0	1000.000	338.0	V	0.0	22.3
25453.900000	---	29.67	---	---	5000.0	1000.000	384.0	V	184.0	21.8
25453.900000	42.89	---	82.23	39.34	5000.0	1000.000	384.0	V	184.0	21.8

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.

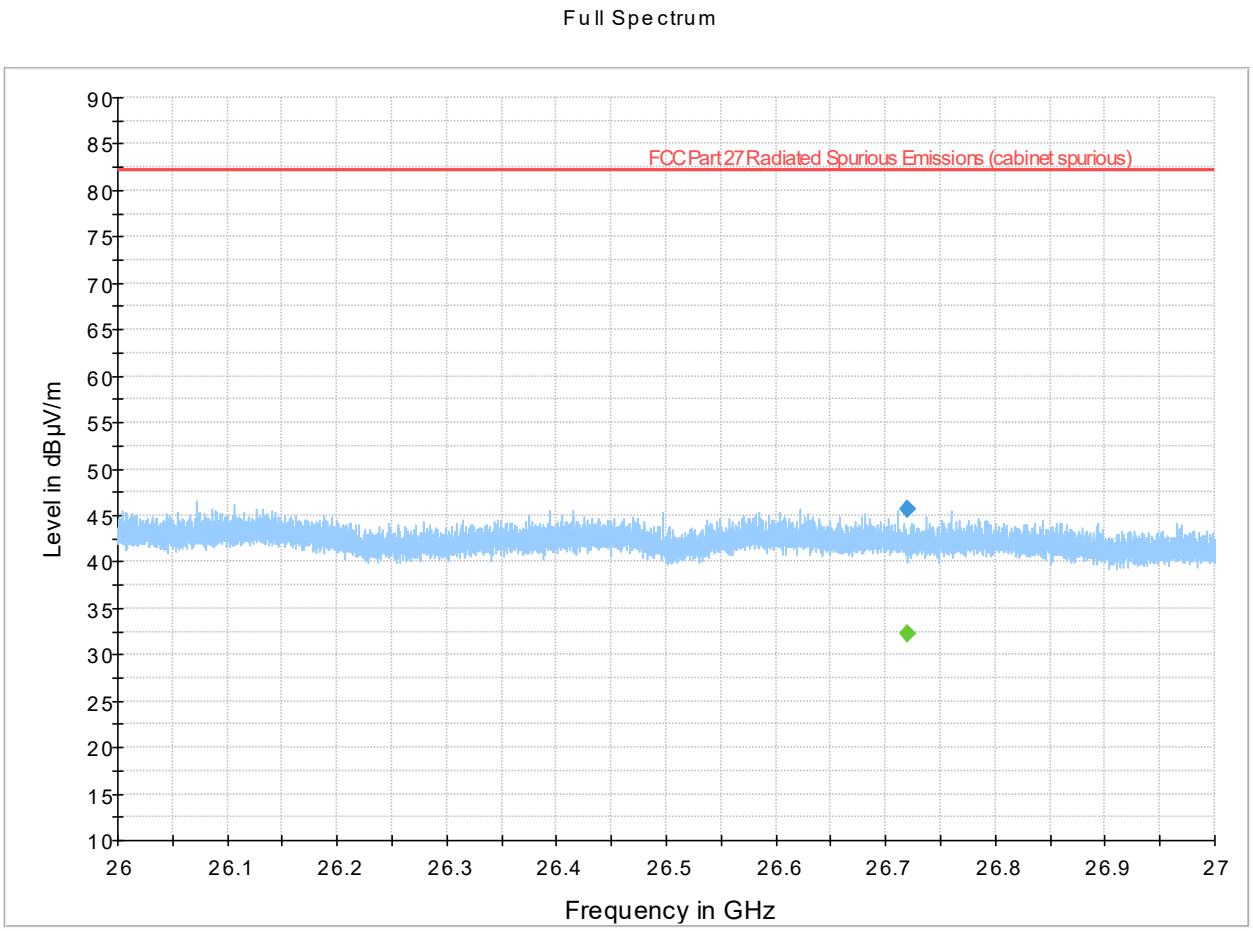

Figure 8.6-20: *Radiated emissions spectral plot (26 GHz - 27 GHz), lowest channel, broadband input signal*

Table 8.6-20*: 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)
26719.562500	---	32.26	---	---	5000.0	1000.000	134.0	V	344.0	10.3
26719.562500	45.62	---	82.23	36.61	5000.0	1000.000	134.0	V	344.0	10.3

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.

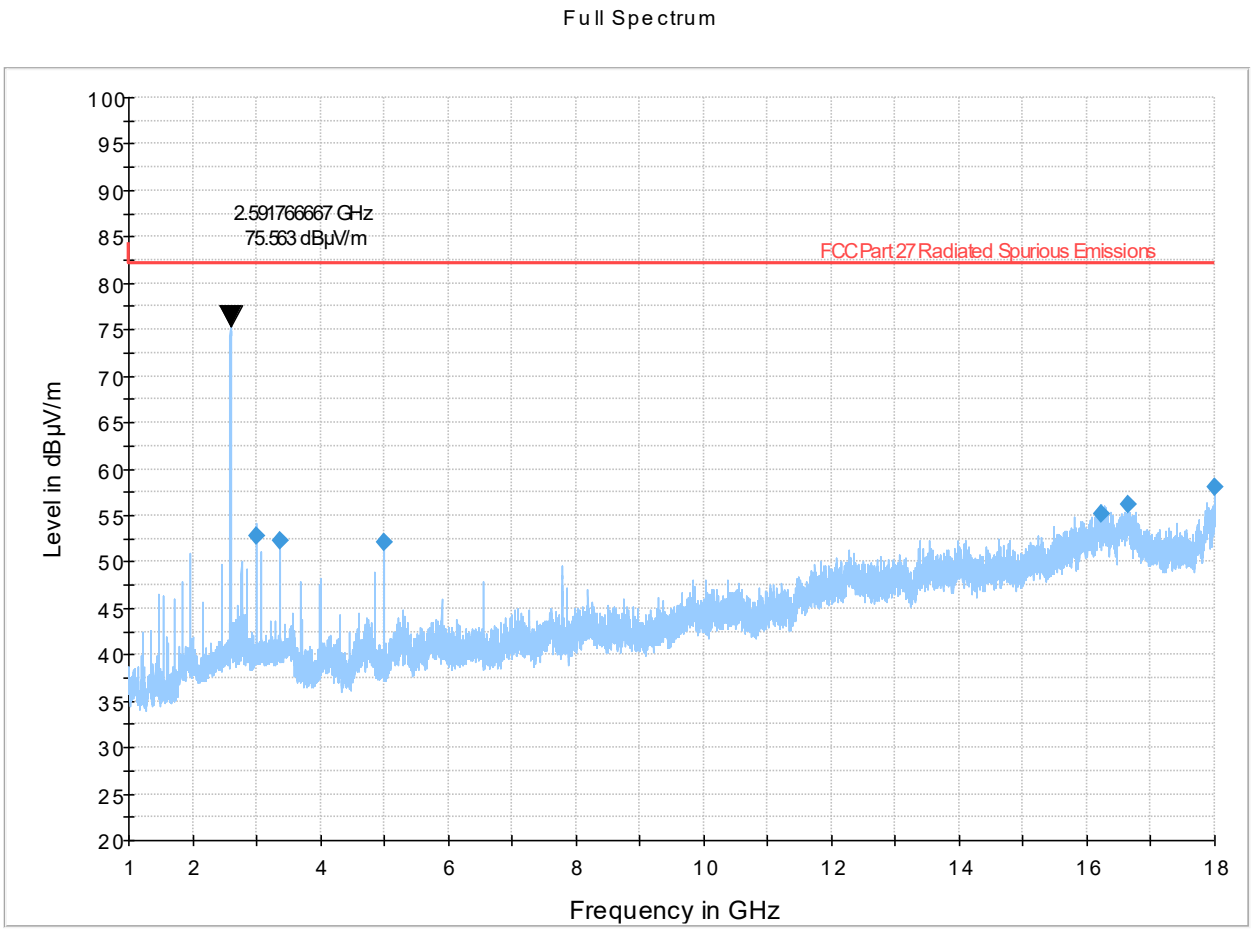

Figure 8.6-21: *Radiated emissions spectral plot (1 GHz - 18 GHz), middle channel, broadband input signal*

Table 8.6-21*: 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)
3000.166667	52.78	82.23	29.45	100.0	1000.000	100.0	V	174.0	-2.4
3379.266667	52.34	82.23	29.89	100.0	1000.000	182.0	H	228.0	-1.5
4999.933333	52.09	82.23	30.14	100.0	1000.000	220.0	V	173.0	1.5
16225.333333	55.21	82.23	27.02	100.0	1000.000	189.0	V	22.0	22.1
16644.066667	56.12	82.23	26.11	100.0	1000.000	256.0	V	139.0	23.3
17996.633333	57.97	82.23	24.26	100.0	1000.000	179.0	H	86.0	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.
Marked emission at 2.59 GHz is the fundamental emission and is not evaluated against the limits.

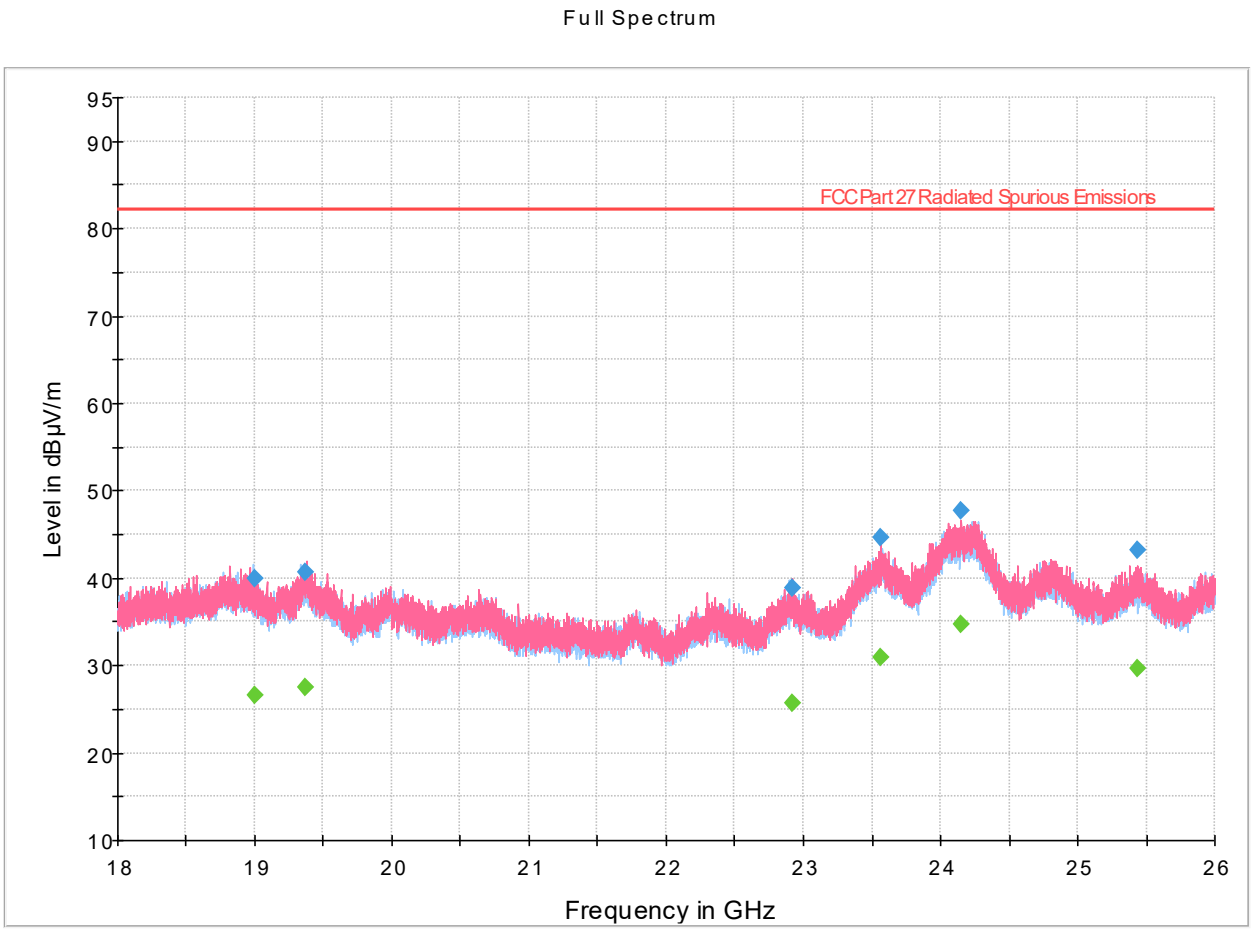

Figure 8.6-22: *Radiated emissions spectral plot (18 GHz - 26 GHz), middle channel, broadband input signal*

Table 8.6-22*: 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)
18996.600000	---	26.61	---	---	5000.0	1000.000	212.0	H	315.0	16.0
18996.600000	40.04	---	82.23	42.19	5000.0	1000.000	212.0	H	315.0	16.0
19365.000000	40.69	---	82.23	41.54	5000.0	1000.000	400.0	V	302.0	16.7
19365.000000	---	27.56	---	---	5000.0	1000.000	400.0	V	302.0	16.7
22917.100000	38.93	---	82.23	43.30	5000.0	1000.000	382.0	V	276.0	19.0
22917.100000	---	25.71	---	---	5000.0	1000.000	382.0	V	276.0	19.0
23567.500000	44.57	---	82.23	37.66	5000.0	1000.000	147.0	V	349.0	23.8
23567.500000	---	30.99	---	---	5000.0	1000.000	147.0	V	349.0	23.8
24149.600000	---	34.77	---	---	5000.0	1000.000	283.0	V	0.0	27.3
24149.600000	47.67	---	82.23	34.56	5000.0	1000.000	283.0	V	0.0	27.3
25436.000000	43.29	---	82.23	38.94	5000.0	1000.000	357.0	V	0.0	21.7
25436.000000	---	29.69	---	---	5000.0	1000.000	357.0	V	0.0	21.7

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.

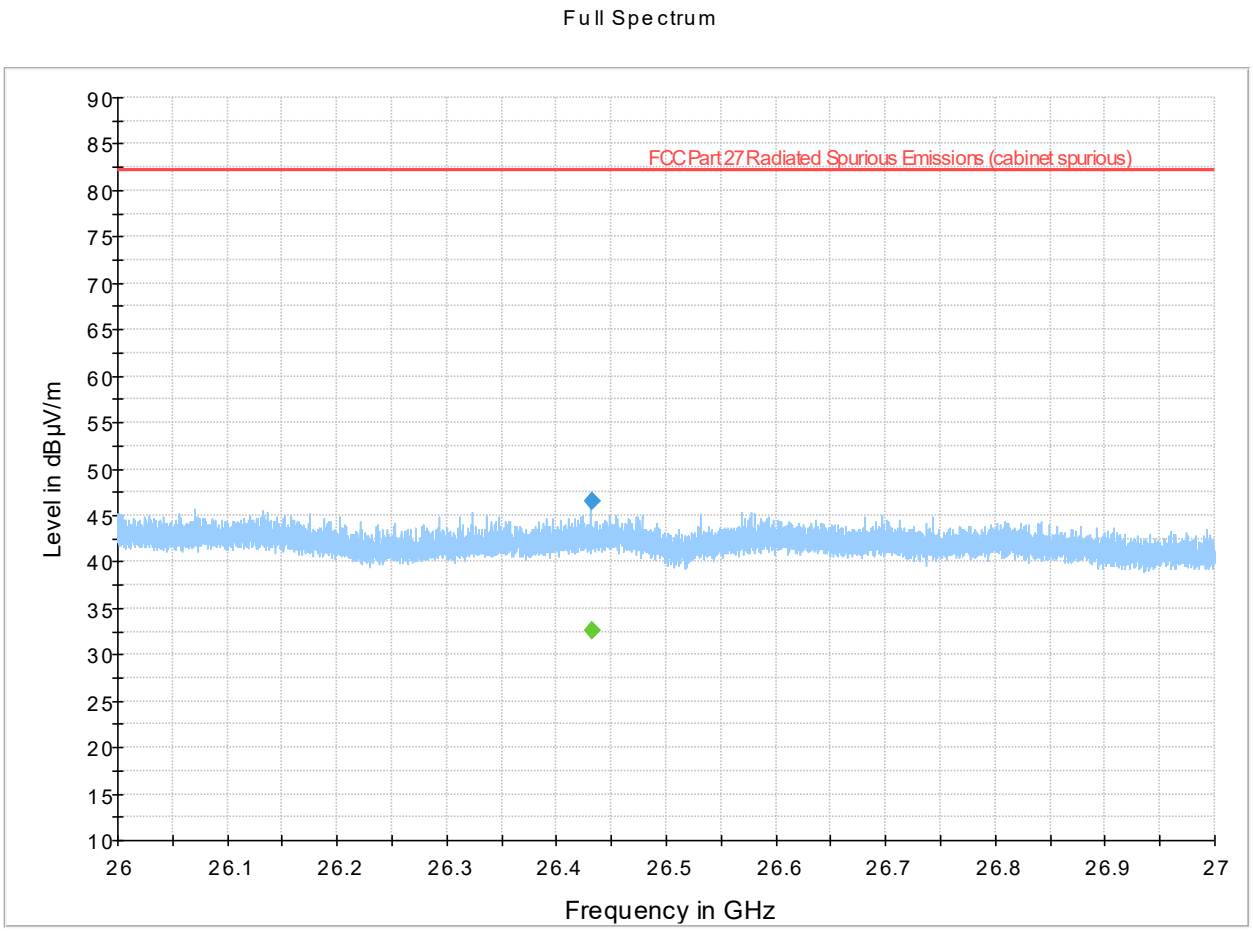

Figure 8.6-23: *Radiated emissions spectral plot (26 GHz - 27 GHz), middle channel, broadband input signal*

Table 8.6-23*: 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)
26432.500000	---	32.54	---	---	5000.0	1000.000	184.0	V	347.0	10.9
26432.500000	46.56	---	82.23	35.67	5000.0	1000.000	184.0	V	347.0	10.9

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.

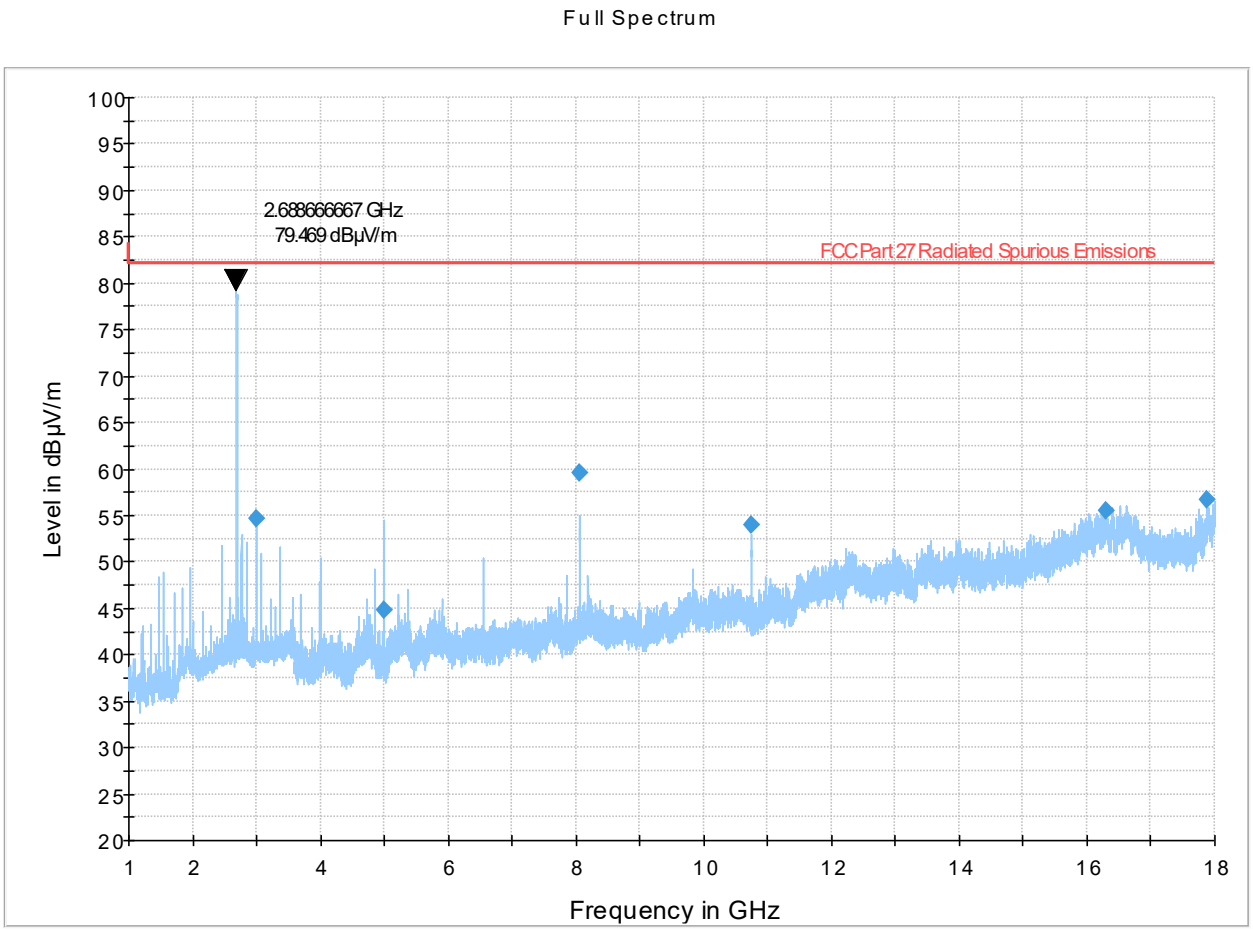

Figure 8.6-24: *Radiated emissions spectral plot (1 GHz - 18 GHz), highest channel, broadband input signal*

Table 8.6-24*: 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)
3000.166667	54.64	82.23	27.59	100.0	1000.000	122.0	V	179.0	-2.4
4999.933333	44.82	82.23	37.41	100.0	1000.000	186.0	V	197.0	1.5
8066.166667	59.51	82.23	22.72	100.0	1000.000	141.0	V	340.0	6.8
10752.833333	54.01	82.23	28.22	100.0	1000.000	236.0	V	328.0	10.3
16286.133333	55.42	82.23	26.81	100.0	1000.000	129.0	V	85.0	22.7
17875.233333	56.63	82.23	25.60	100.0	1000.000	302.0	H	134.0	23.1

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.
Marked emission at 2.69 GHz is the fundamental emission and is not evaluated against the limits.

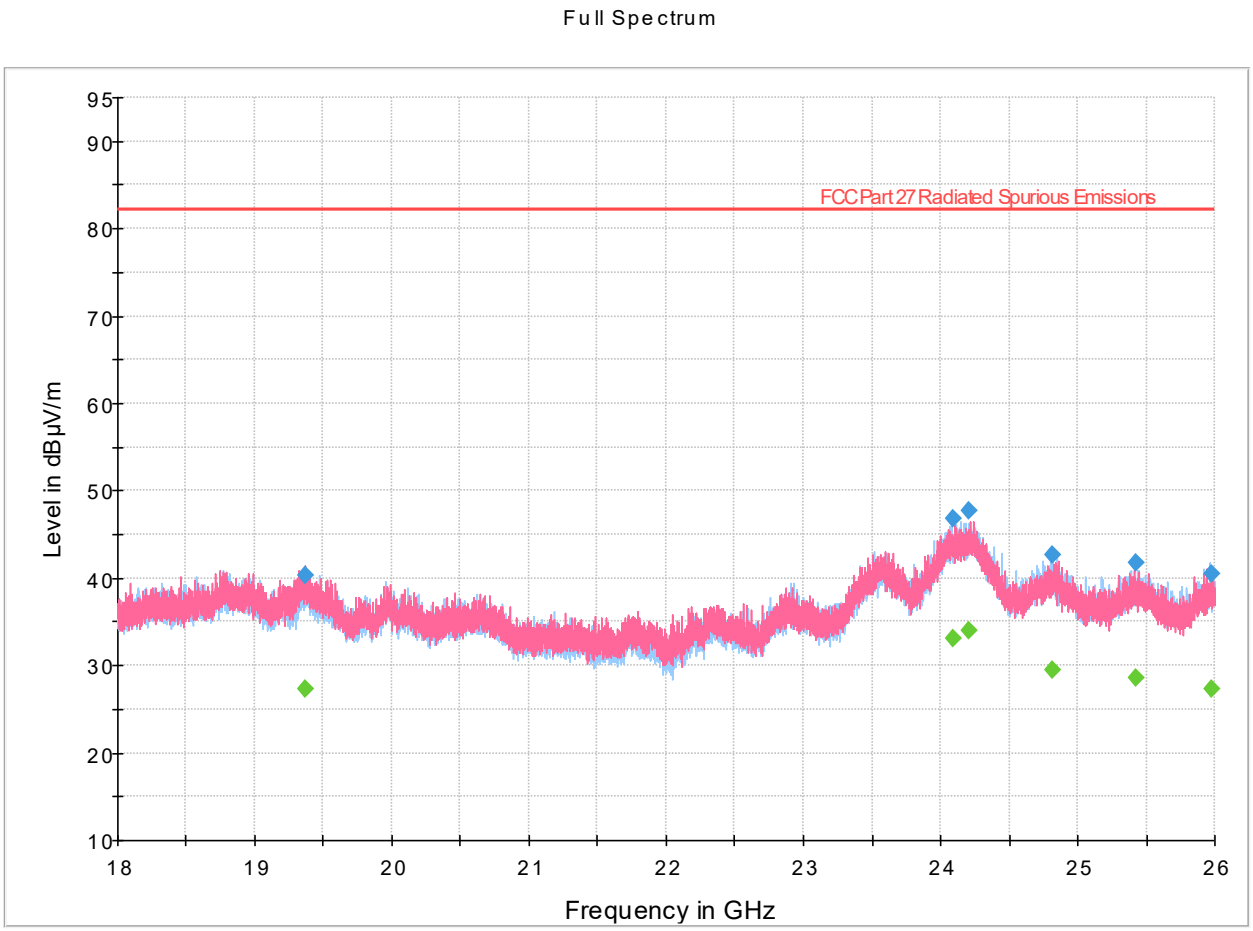

Figure 8.6-25: *Radiated emissions spectral plot (18 GHz - 26 GHz), highest channel, broadband input signal*

Table 8.6-25*: 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)
19371.100000	40.29	---	82.23	41.94	5000.0	1000.000	272.0	V	314.0	16.7
19371.100000	---	27.30	---	---	5000.0	1000.000	272.0	V	314.0	16.7
24086.800000	---	33.18	---	---	5000.0	1000.000	353.0	H	184.0	27.5
24086.800000	46.73	---	82.23	35.50	5000.0	1000.000	353.0	H	184.0	27.5
24208.900000	47.69	---	82.23	34.54	5000.0	1000.000	183.0	V	184.0	27.1
24208.900000	---	33.98	---	---	5000.0	1000.000	183.0	V	184.0	27.1
24814.300000	---	29.40	---	---	5000.0	1000.000	365.0	H	100.0	22.3
24814.300000	42.73	---	82.23	39.50	5000.0	1000.000	365.0	H	100.0	22.3
25429.600000	41.84	---	82.23	40.39	5000.0	1000.000	336.0	H	252.0	21.7
25429.600000	---	28.65	---	---	5000.0	1000.000	336.0	H	252.0	21.7
25975.100000	40.47	---	82.23	41.76	5000.0	1000.000	315.0	H	32.0	21.7
25975.100000	---	27.37	---	---	5000.0	1000.000	315.0	H	32.0	21.7

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.

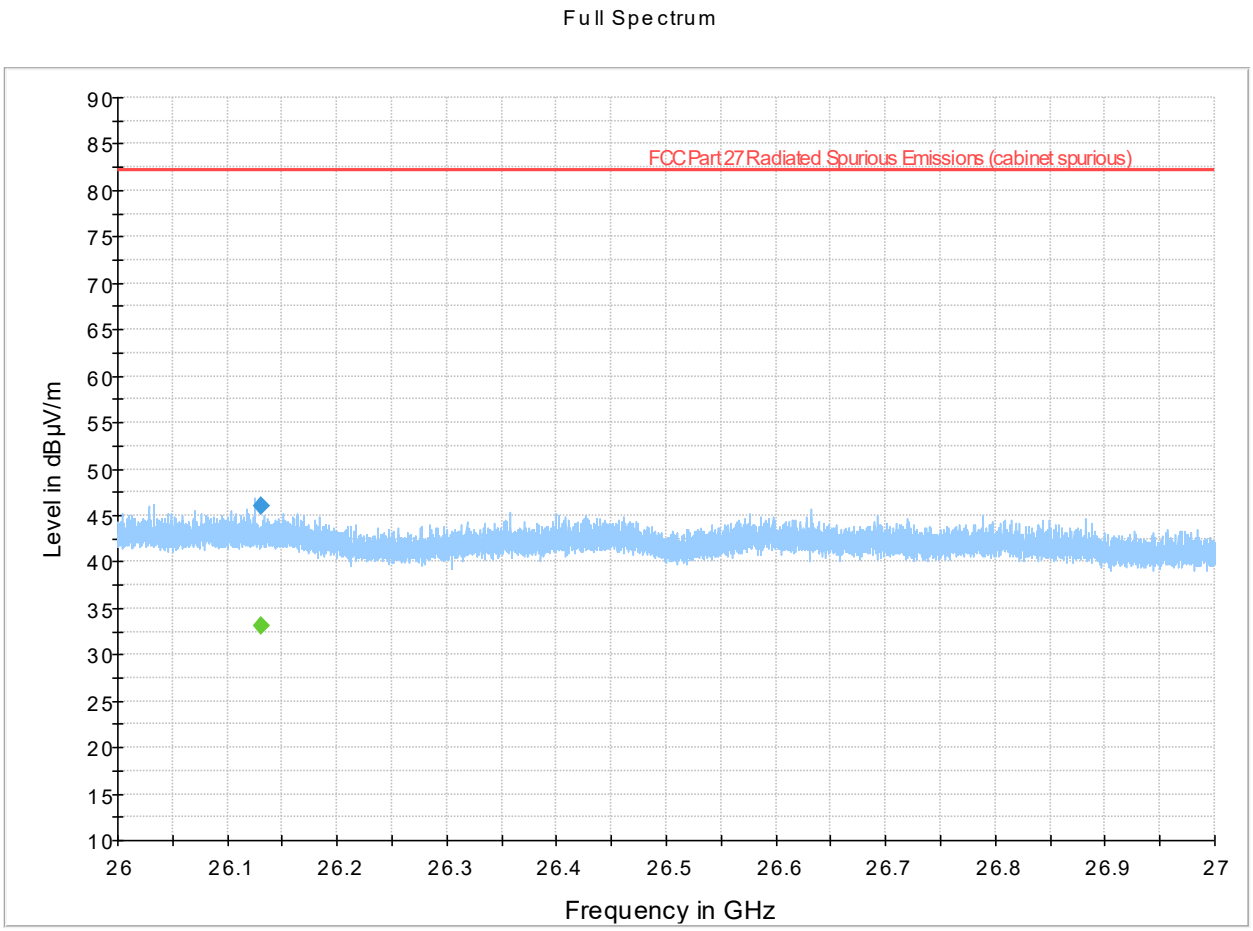

Figure 8.6-26: *Radiated emissions spectral plot (26 GHz - 27 GHz), highest channel, broadband input signal*

Table 8.6-26*: 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)
26131.412500	---	33.11	---	---	5000.0	1000.000	200.0	V	207.0	10.3
26131.412500	46.08	---	82.23	36.15	5000.0	1000.000	200.0	V	207.0	10.3

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.

End of test report