

802.11n (HT40)

Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5190.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Average	5116.0590	42.05	54.00	11.95
Horizontal	Average	5117.2580	42.03	54.00	11.97
Vertical	Average	5124.3010	42.09	54.00	11.91
Vertical	Average	5125.7990	42.25	54.00	11.75
Vertical	Average	5127.1480	42.40	54.00	11.60
Vertical	Average	5127.5970	42.15	54.00	11.85
Vertical	Average	5128.9460	42.06	54.00	11.94
Horizontal	Average	5135.9890	42.05	54.00	11.95
Horizontal	Average	5136.2890	42.10	54.00	11.90
Horizontal	Average	5149.6250	46.61	54.00	7.39
Vertical	Average	5149.7750	47.05	54.00	6.95
Vertical	Average	5150.0000	46.53	54.00	7.47
Horizontal	Average	5150.0000	46.48	54.00	7.52
Vertical	Peak	5150.0000	56.76	74.00	17.24
Horizontal	Peak	5150.0000	55.04	74.00	18.96

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Wed, 25 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

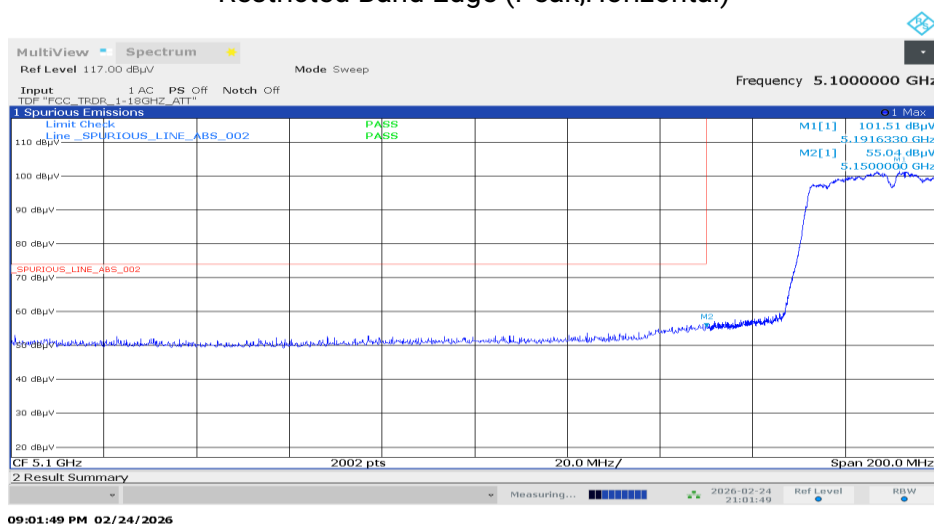
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

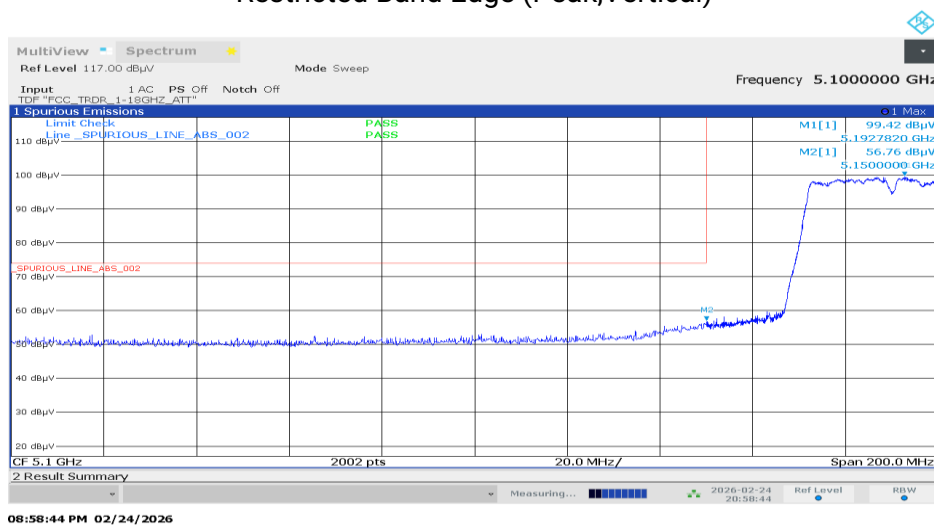
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5310.0000	Softpot Power :	13.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5350.0000	44.50	54.00	9.50
Horizontal	Average	5350.0000	43.38	54.00	10.62
Vertical	Peak	5350.0000	53.87 *	74.00	20.13
Horizontal	Peak	5350.0000	53.84 *	74.00	20.16
Vertical	Average	5350.2250	44.56	54.00	9.44
Horizontal	Average	5350.3250	43.52	54.00	10.48
Horizontal	Average	5389.5360	42.61	54.00	11.39
Horizontal	Average	5393.9810	42.58	54.00	11.42
Horizontal	Average	5395.8790	42.25	54.00	11.75
Horizontal	Average	5396.7780	42.26	54.00	11.74
Horizontal	Average	5397.5270	42.34	54.00	11.66
Horizontal	Average	5397.9270	42.26	54.00	11.74
Horizontal	Average	5398.1770	42.35	54.00	11.65
Horizontal	Average	5398.7760	42.35	54.00	11.65
Horizontal	Average	5399.4260	42.35	54.00	11.65

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

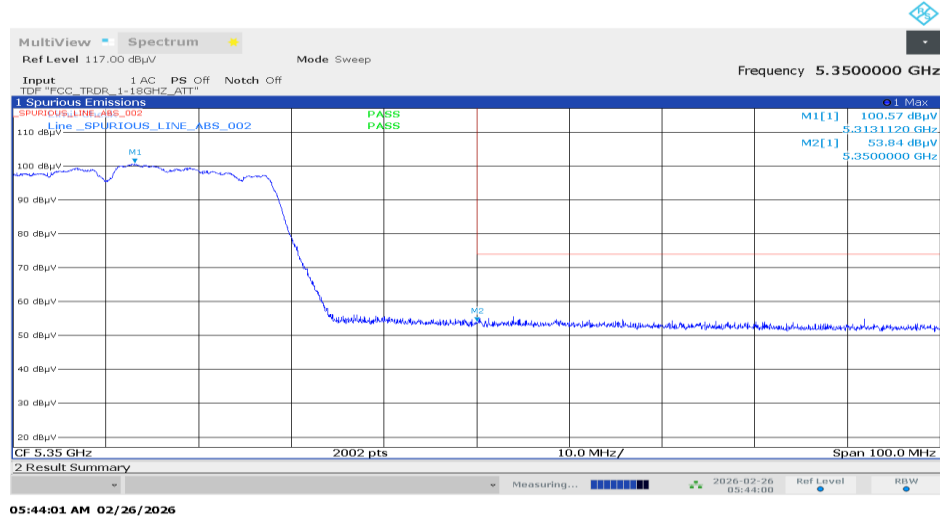
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

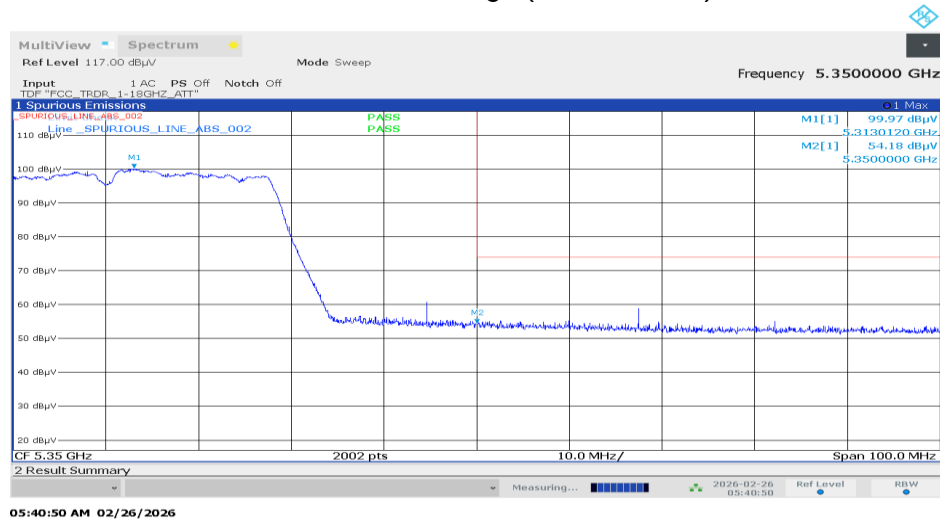
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5510.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5383.1380	42.27	54.00	11.73
Horizontal	Average	5387.8130	42.25	54.00	11.75
Vertical	Average	5391.6630	42.22	54.00	11.78
Vertical	Average	5394.1380	42.33	54.00	11.67
Horizontal	Average	5399.0870	42.35	54.00	11.65
Horizontal	Average	5399.9130	42.26	54.00	11.74
Vertical	Average	5400.7370	42.34	54.00	11.66
Horizontal	Average	5405.9620	42.31	54.00	11.69
Vertical	Average	5406.2370	42.31	54.00	11.69
Vertical	Average	5411.4620	42.24	54.00	11.76
Vertical	Average	5413.3880	42.21	54.00	11.79
Vertical	Average	5414.7630	42.45	54.00	11.55
Horizontal	Average	5415.3130	42.35	54.00	11.65
Horizontal	Average	5421.0870	42.59	54.00	11.41
Vertical	Average	5421.3620	42.42	54.00	11.58
Horizontal	Average	5424.6630	42.28	54.00	11.72
Horizontal	Average	5438.9620	42.41	54.00	11.59
Horizontal	Average	5443.6380	42.39	54.00	11.61
Vertical	Average	5459.3130	44.14	54.00	9.86
Horizontal	Average	5459.8620	43.36	54.00	10.64
Vertical	Average	5469.8750	46.56	54.00	7.44
Horizontal	Average	5469.8750	45.55	54.00	8.45
Vertical	Peak	5469.8750	58.53	68.20	9.67
Vertical	Average	5470.0000	46.48	54.00	7.52
Horizontal	Average	5470.0000	45.81	54.00	8.19
Vertical	Peak	5470.0000	59.41	68.20	8.79
Horizontal	Peak	5470.0000	56.47	68.20	11.73

Temperature (°C) : 23.5 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Thu, 26 Feb, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

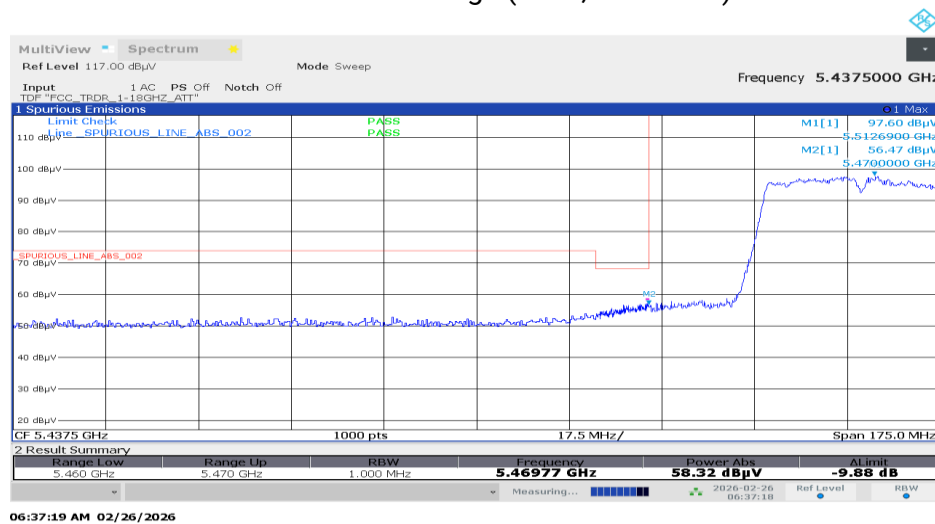
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

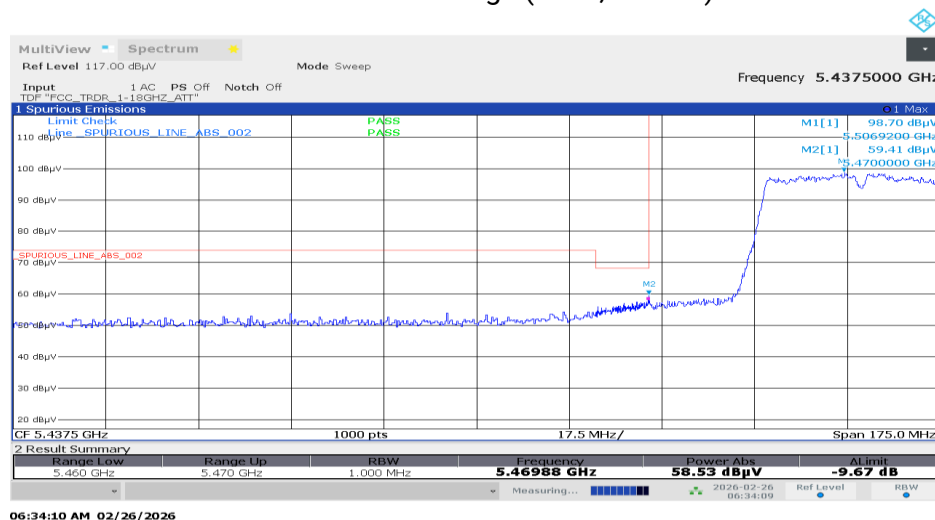
NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)





Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5670.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	52.83	68.20	15.37
Horizontal	Peak	5725.0000	51.26	68.20	16.94

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

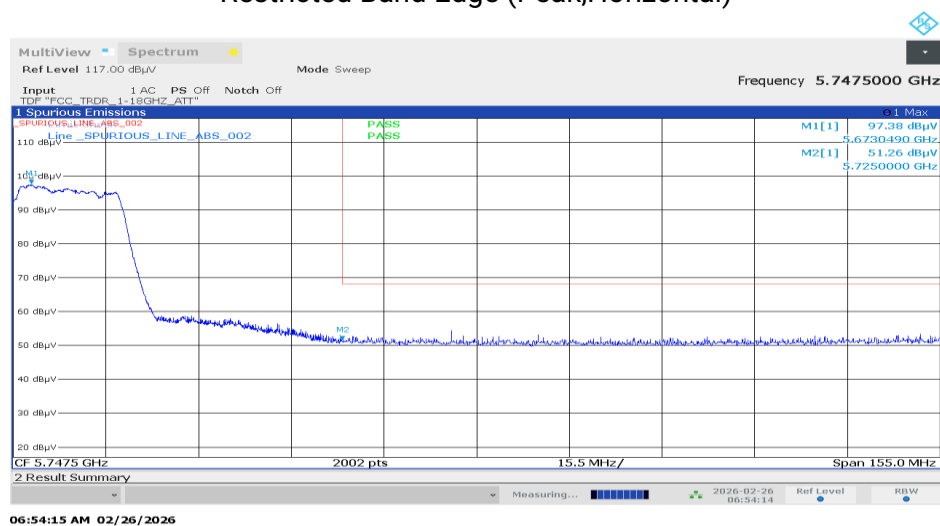
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

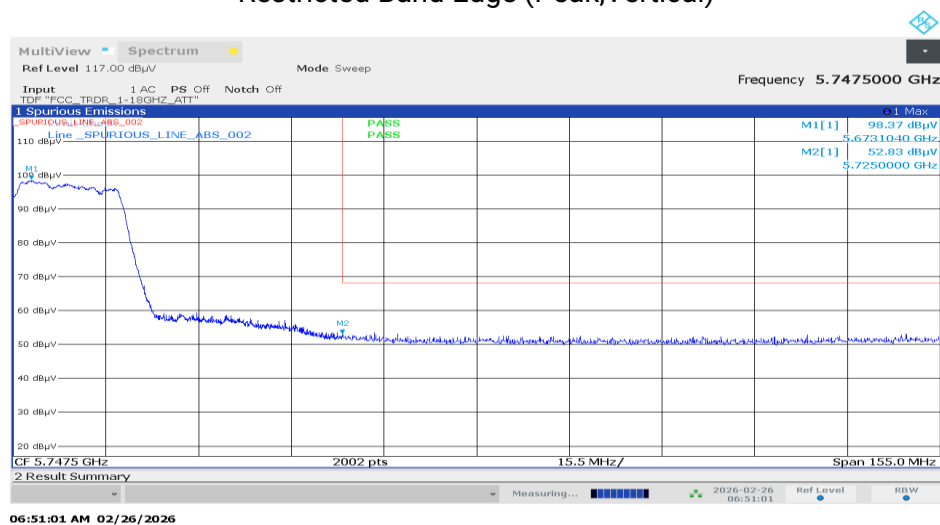
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5710.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq	Spur Level	Limit	Margin (dB)
Vertical	Peak	No Spurious Emission Detected			
Horizontal	Peak	No Spurious Emission Detected			

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	null		

Remarks:

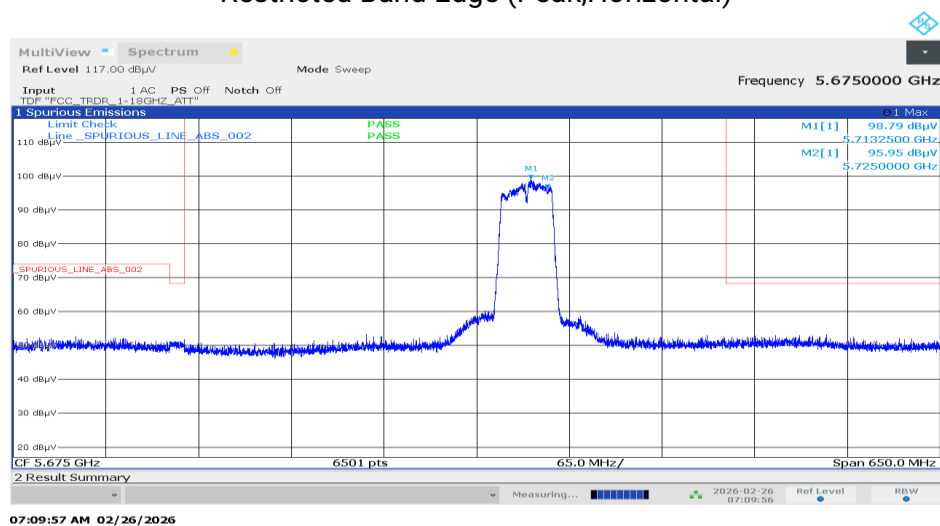
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

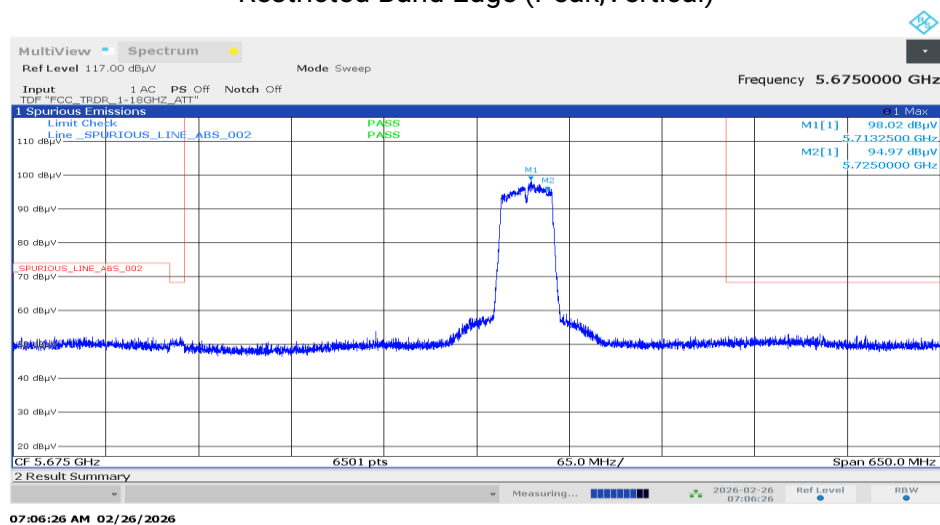
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5755.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	60.97 *	122.20	61.23
Horizontal	Peak	5725.0000	62.36 *	122.20	59.84

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

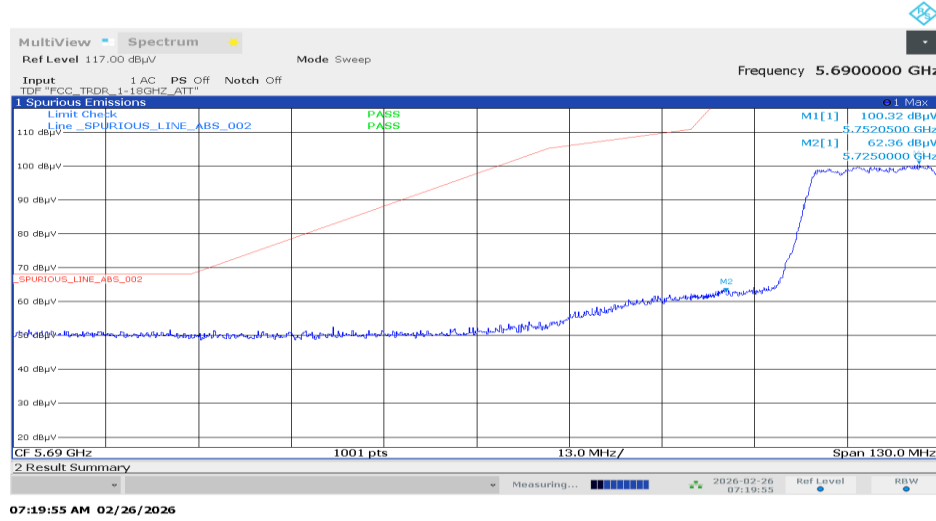
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

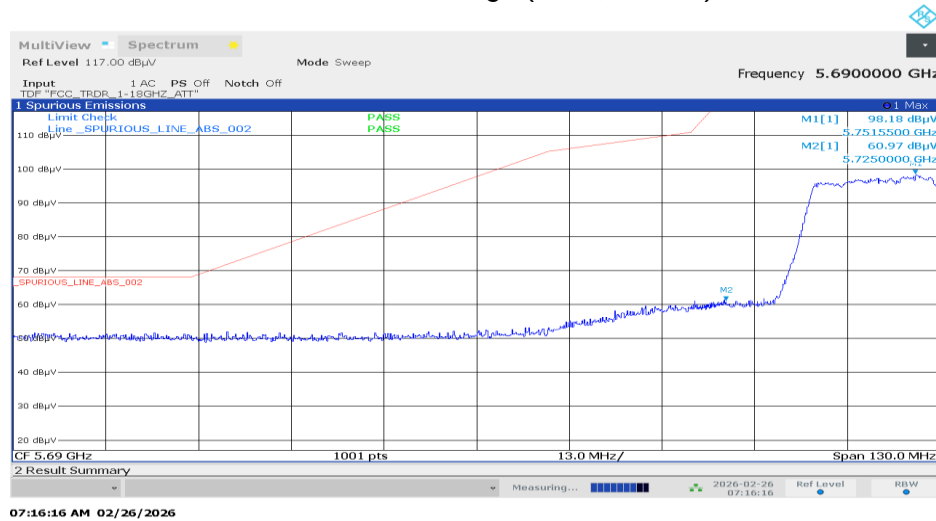
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5795.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5850.0000	54.84 *	122.20	67.36
Horizontal	Peak	5850.0000	53.36 *	122.20	68.84

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

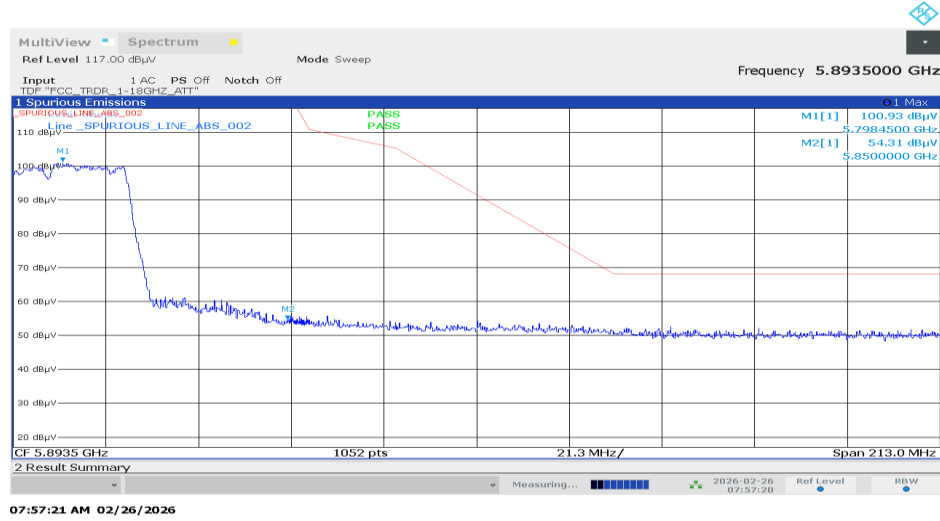
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

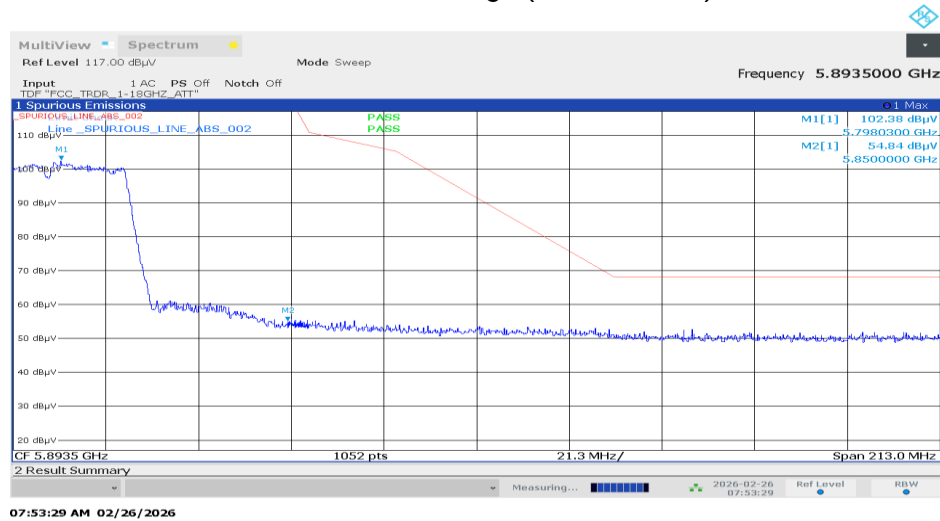
NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



802.11ac(VHT80)

Motorola Solutions

SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5210.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5104.5210	42.07	54.00	11.93
Horizontal	Average	5104.5210	42.07	54.00	11.93
Horizontal	Average	5105.7190	42.06	54.00	11.94
Horizontal	Average	5106.6180	42.05	54.00	11.95
Horizontal	Average	5107.2180	42.22	54.00	11.78
Vertical	Average	5109.3160	42.01	54.00	11.99
Vertical	Average	5110.8140	42.11	54.00	11.89
Vertical	Average	5111.2640	42.10	54.00	11.90
Vertical	Average	5111.5630	42.10	54.00	11.90
Horizontal	Average	5146.9280	45.48	54.00	8.52
Vertical	Average	5148.8760	45.94	54.00	8.06
Vertical	Average	5150.0000	45.32	54.00	8.68
Horizontal	Average	5150.0000	44.42	54.00	9.58
Vertical	Peak	5150.0000	58.16	74.00	15.84
Horizontal	Peak	5150.0000	60.55	74.00	13.45

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

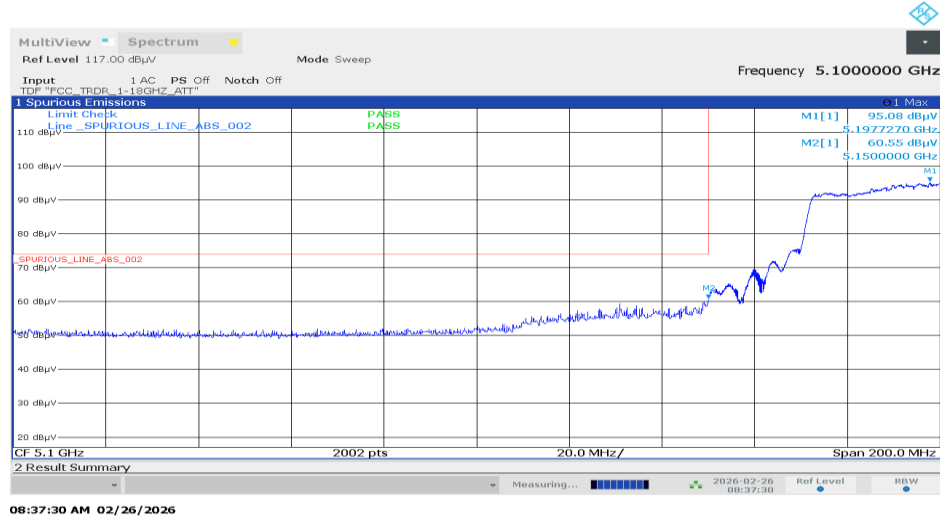
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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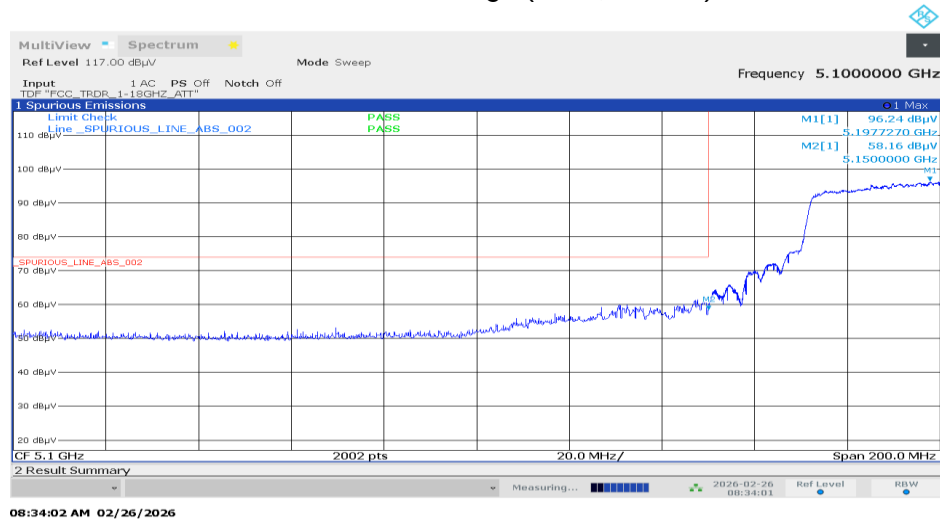
NOTE :

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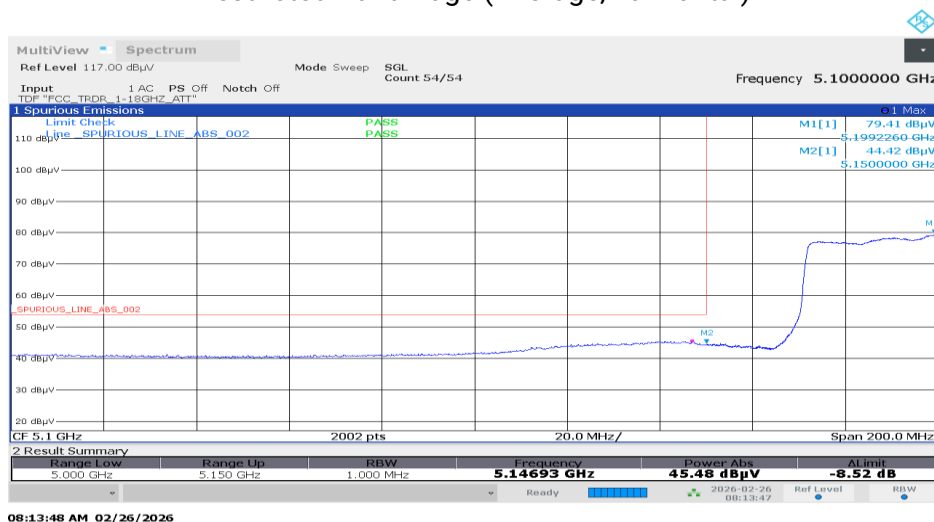
Restricted Band Edge (Peak,Horizontal)



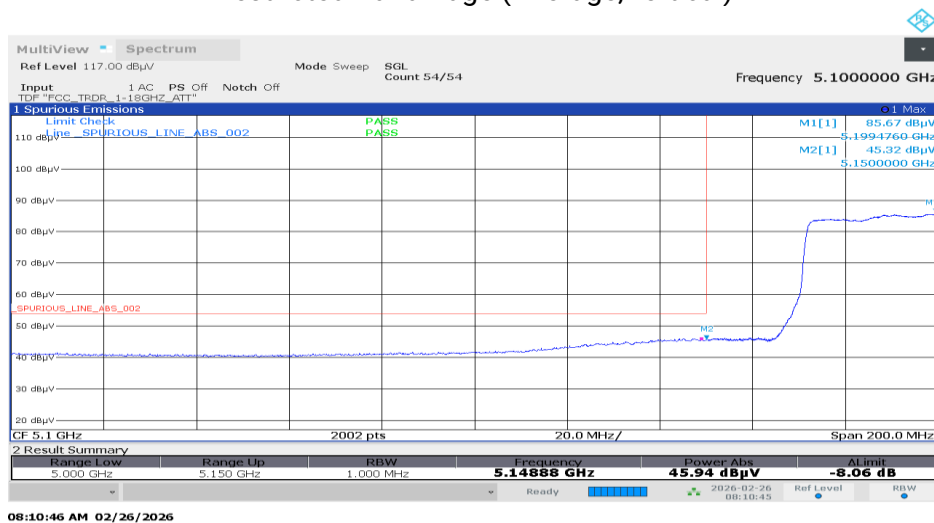
Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions

SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5290.0000	Softpot Power :	12.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5350.0000	45.86	54.00	8.14
Horizontal	Average	5350.0000	43.59	54.00	10.41
Vertical	Peak	5350.0000	63.34	74.00	10.66
Horizontal	Peak	5350.0000	59.05	74.00	14.95
Vertical	Peak	5350.0750	64.10	74.00	9.90
Horizontal	Average	5350.3750	44.37	54.00	9.63
Vertical	Average	5350.4250	46.42	54.00	7.58
Vertical	Peak	5353.4720	65.56	74.00	8.44

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

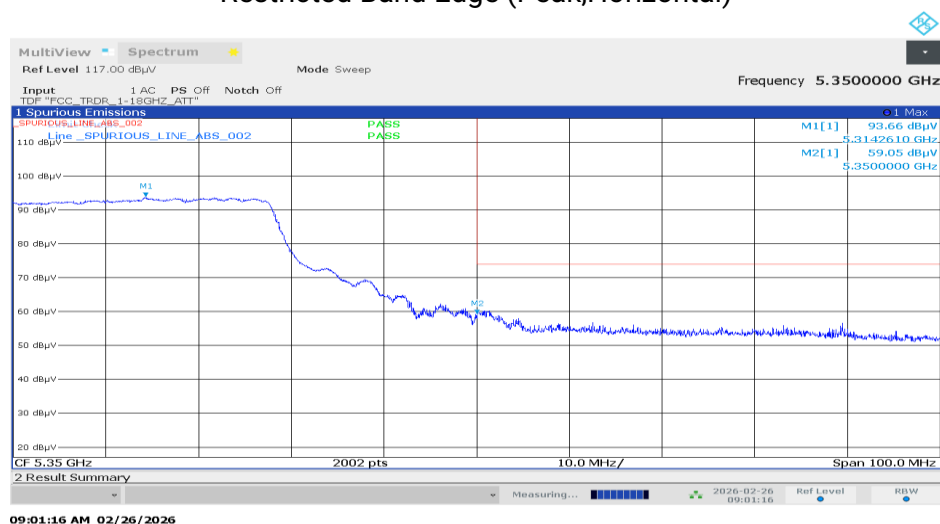
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

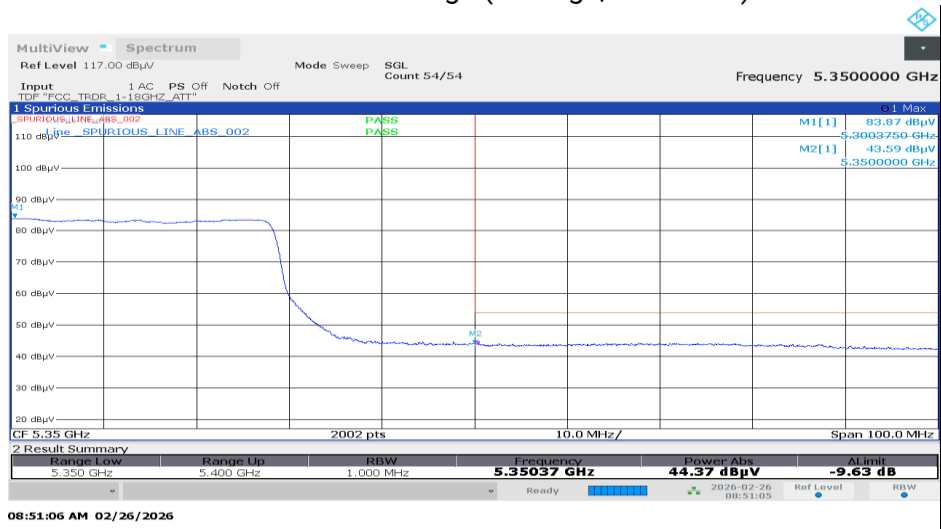
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5530.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5374.8880	42.54	54.00	11.46
Horizontal	Average	5377.3620	42.42	54.00	11.58
Vertical	Average	5378.4620	42.35	54.00	11.65
Vertical	Average	5379.5630	42.21	54.00	11.79
Vertical	Average	5380.3880	42.22	54.00	11.78
Vertical	Average	5385.0630	42.21	54.00	11.79
Vertical	Average	5388.0870	42.26	54.00	11.74
Vertical	Average	5392.7630	42.65	54.00	11.35
Horizontal	Average	5394.6880	42.33	54.00	11.67
Vertical	Average	5397.1630	42.51	54.00	11.49
Horizontal	Average	5398.5380	42.35	54.00	11.65
Horizontal	Average	5400.4620	42.26	54.00	11.74
Horizontal	Average	5404.0380	42.33	54.00	11.67
Horizontal	Average	5408.4380	42.37	54.00	11.63
Horizontal	Average	5409.5380	42.35	54.00	11.65
Horizontal	Average	5411.4620	42.58	54.00	11.42
Vertical	Average	5411.7370	42.57	54.00	11.43
Horizontal	Average	5412.5630	42.48	54.00	11.52
Vertical	Average	5457.6630	48.01	54.00	5.99
Horizontal	Average	5457.6630	46.45	54.00	7.55
Vertical	Average	5460.3750	47.46	54.00	6.54
Horizontal	Average	5460.4250	46.30	54.00	7.70
Horizontal	Peak	5468.5750	58.20	68.20	10.00
Vertical	Peak	5468.9750	58.35	68.20	9.85
Vertical	Peak	5469.0750	58.70	68.20	9.50
Vertical	Peak	5469.1750	58.53	68.20	9.67
Vertical	Peak	5469.3250	59.48	68.20	8.72
Vertical	Peak	5469.6750	60.63	68.20	7.57
Vertical	Peak	5469.9250	61.65	68.20	6.55
Vertical	Average	5470.0000	47.05	54.00	6.95
Horizontal	Average	5470.0000	45.76	54.00	8.24
Vertical	Peak	5470.0000	60.46	68.20	7.74
Horizontal	Peak	5470.0000	53.10	68.20	15.10

Temperature (°C) : 23.5 Humidity (%) : 68.9
Test Performed by : Nazrin & Fuad Test Date : Thu, 26 Feb, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

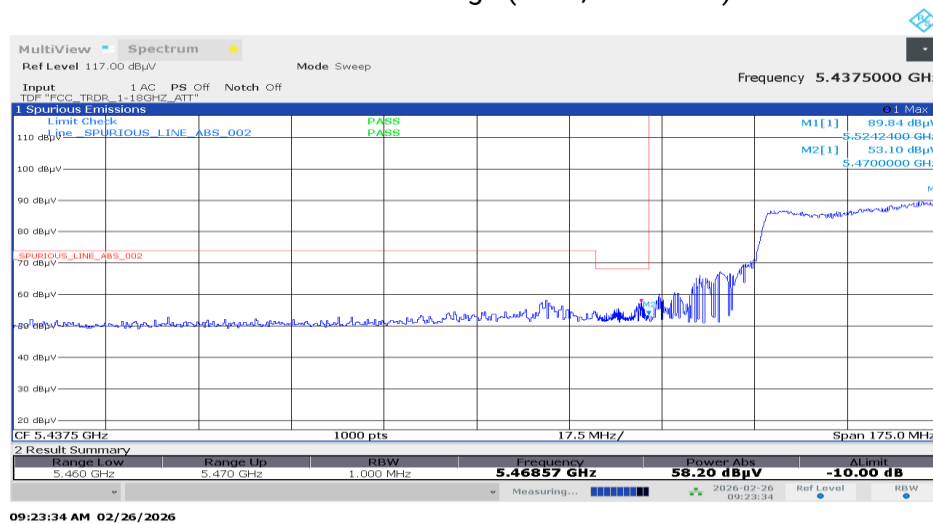
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

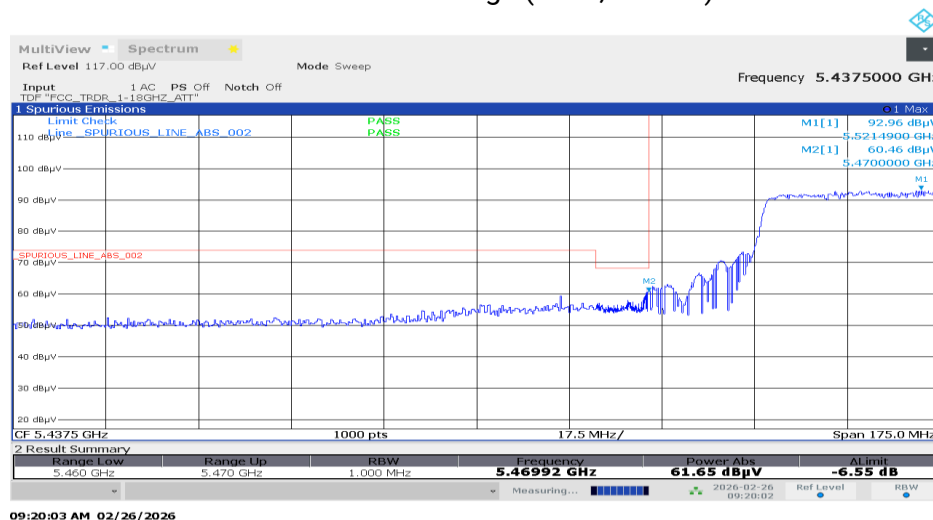
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

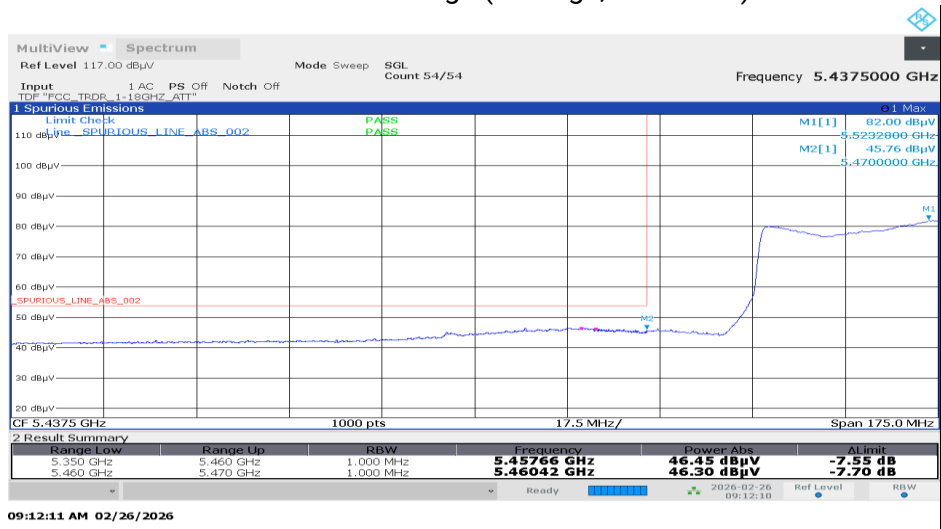
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions
 SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5610.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	50.20	68.20	18.00
Horizontal	Peak	5725.0000	50.40	68.20	17.80

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

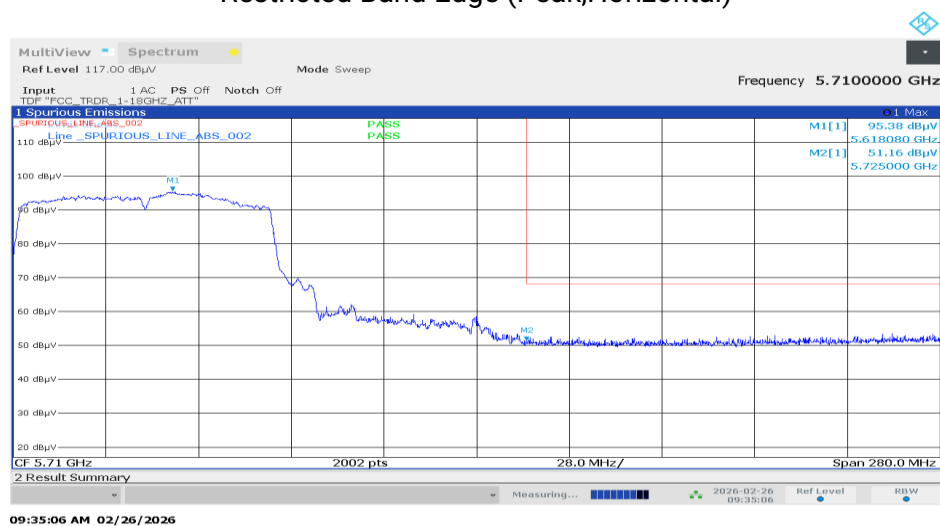
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

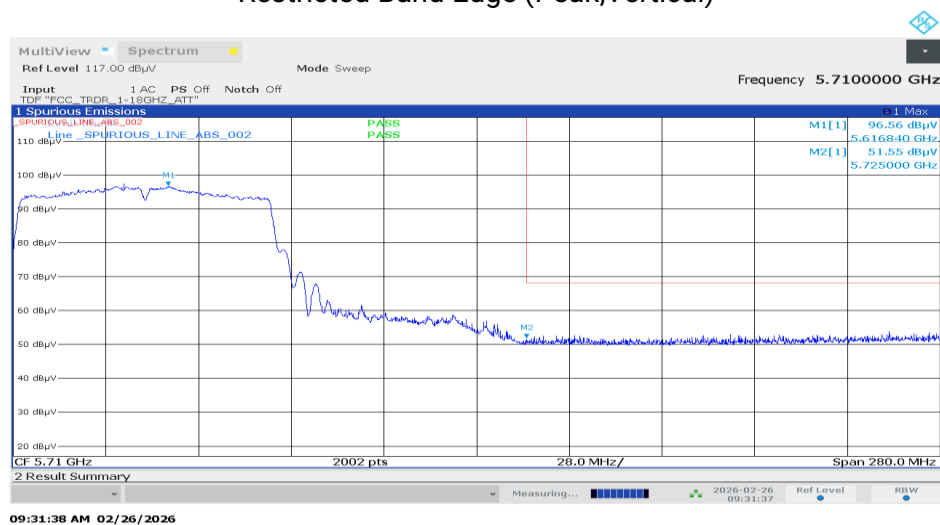
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
 SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5690.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq	Spur Level	Limit	Margin (dB)
Vertical	Peak	No Spurious Emission Detected			
Horizontal	Peak	No Spurious Emission Detected			

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	null		

Remarks:

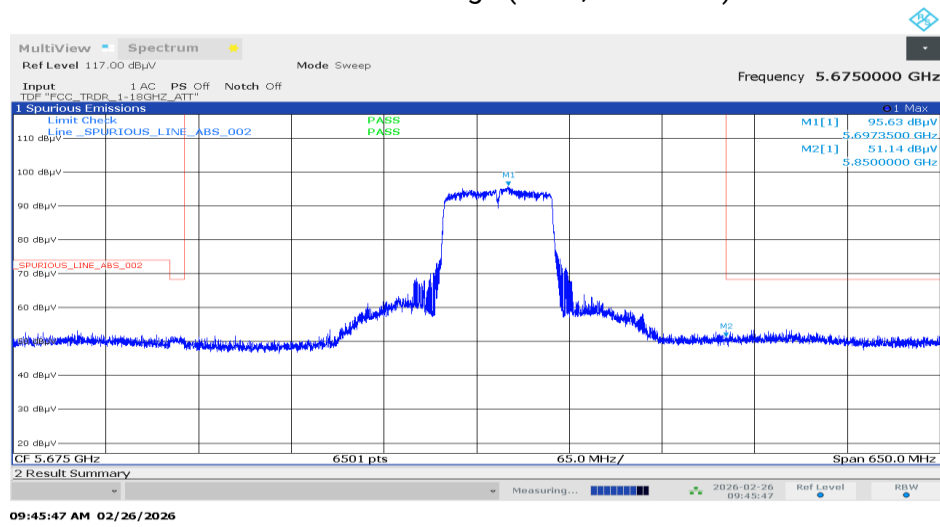
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

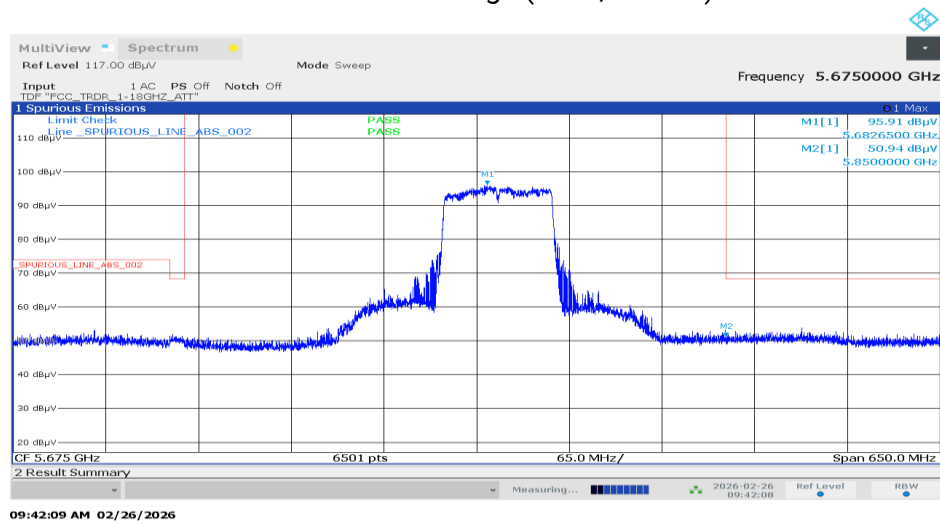
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5775.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	65.39 *	122.20	56.81
Horizontal	Peak	5725.0000	71.59 *	122.20	50.61
Vertical	Peak	5850.0000	65.16 *	122.20	57.04
Horizontal	Peak	5850.0000	65.47 *	122.20	56.73

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Thu, 26 Feb, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

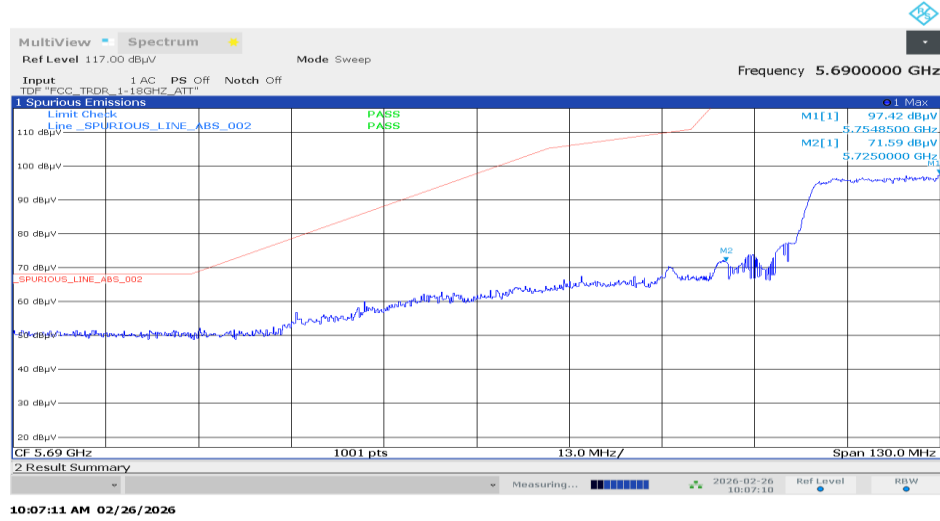
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

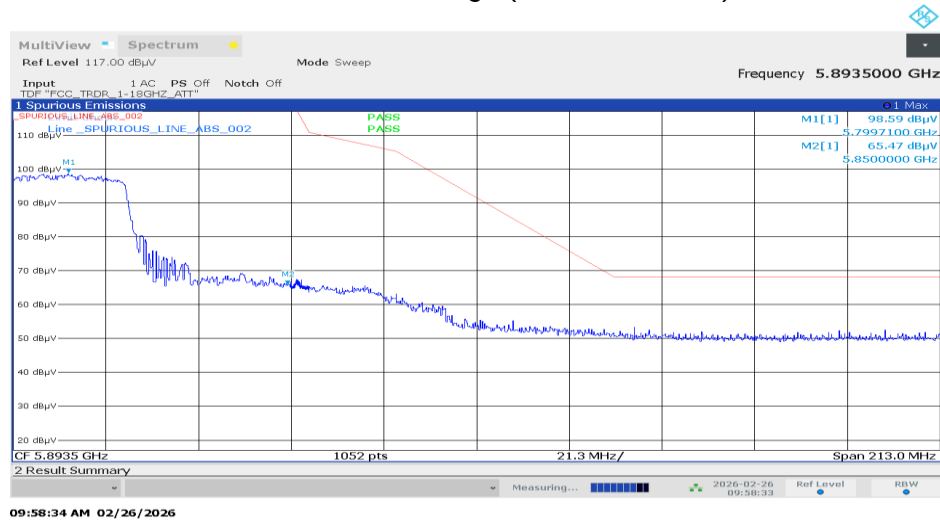
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

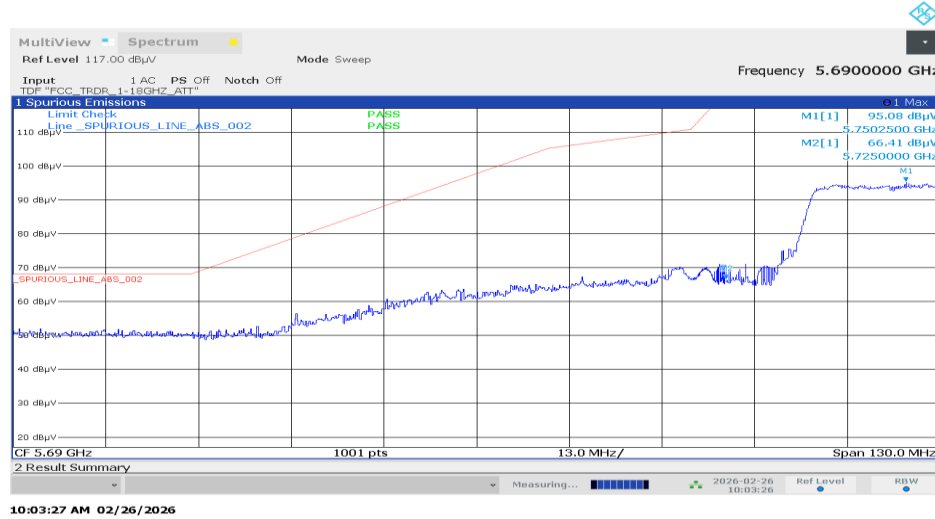
Restricted Band Edge (Peak,Horizontal)



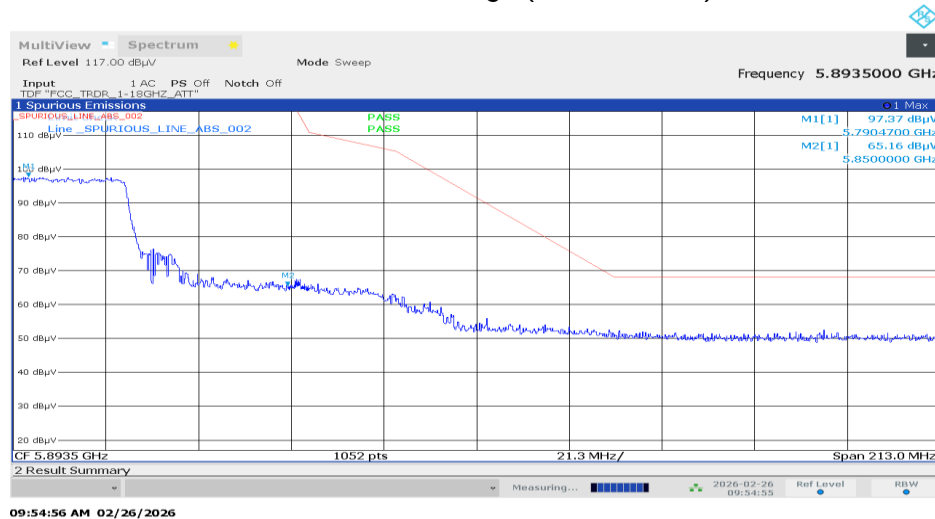
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Peak,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5210.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Average	5098.9760	42.24	54.00	11.76
Horizontal	Average	5099.4260	42.06	54.00	11.94
Horizontal	Average	5099.8750	42.00	54.00	12.00
Vertical	Average	5100.0250	42.07	54.00	11.93
Horizontal	Average	5100.9240	42.06	54.00	11.94
Horizontal	Average	5101.5230	42.06	54.00	11.94
Horizontal	Average	5101.9730	42.12	54.00	11.88
Horizontal	Average	5102.2720	42.18	54.00	11.82
Vertical	Average	5102.7220	42.23	54.00	11.77
Vertical	Average	5103.4720	42.29	54.00	11.71
Horizontal	Average	5103.4720	42.41	54.00	11.59
Vertical	Average	5104.0710	42.28	54.00	11.72
Horizontal	Average	5104.2210	42.10	54.00	11.90
Vertical	Average	5104.6700	42.03	54.00	11.97
Vertical	Average	5105.4190	42.45	54.00	11.55
Vertical	Average	5135.0900	46.32	54.00	7.68
Horizontal	Average	5147.9770	47.02	54.00	6.98
Vertical	Average	5150.0000	45.89	54.00	8.11
Horizontal	Average	5150.0000	46.50	54.00	7.50
Vertical	Peak	5150.0000	58.95	74.00	15.05
Horizontal	Peak	5150.0000	60.15	74.00	13.85

Temperature (°C) : 24.6 Humidity (%) : 68.3
Test Performed by : Nazrin & Rezza Test Date : Mon, 30 Mar, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

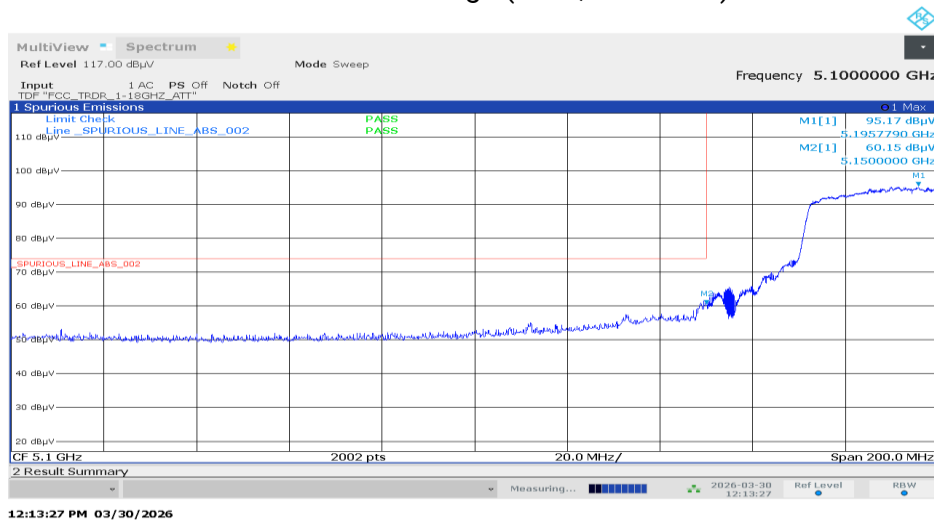
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.

2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

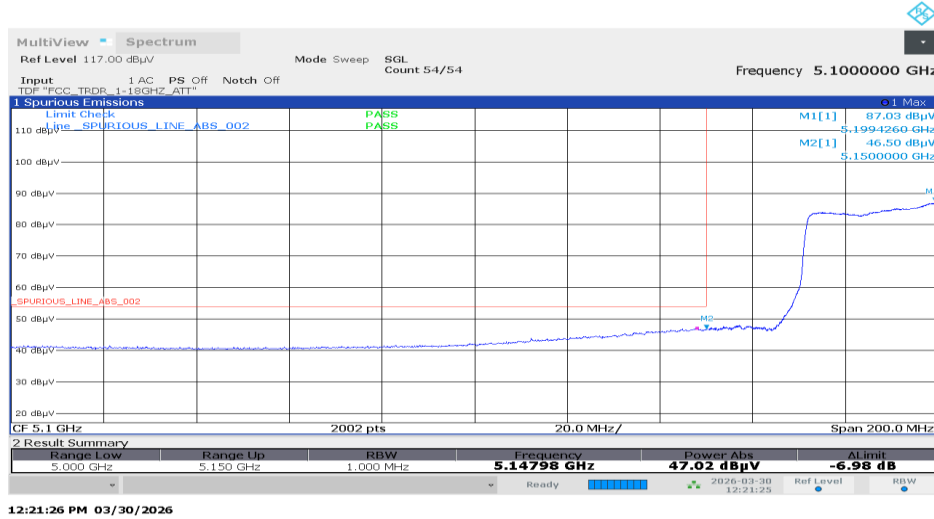
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions
SAC TX Restricted Band-edge : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5290.0000	Softpot Power :	12.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Average	5350.0000	45.64	54.00	8.36
Horizontal	Average	5350.0000	44.80	54.00	9.20
Vertical	Peak	5350.0000	60.94	74.00	13.06
Horizontal	Peak	5350.0000	58.57	74.00	15.43
Vertical	Average	5350.6250	45.75	54.00	8.25
Horizontal	Average	5387.6370	45.25	54.00	8.75

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Mon, 30 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

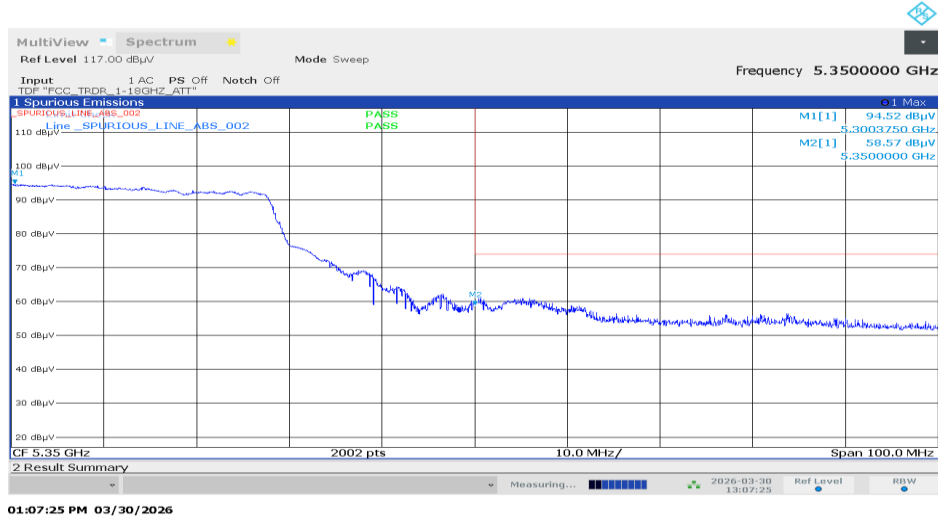
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

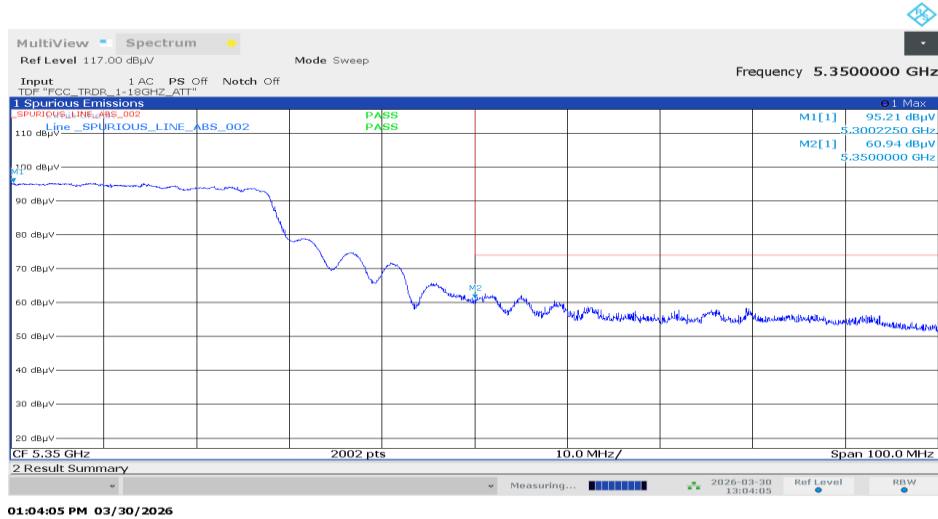
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

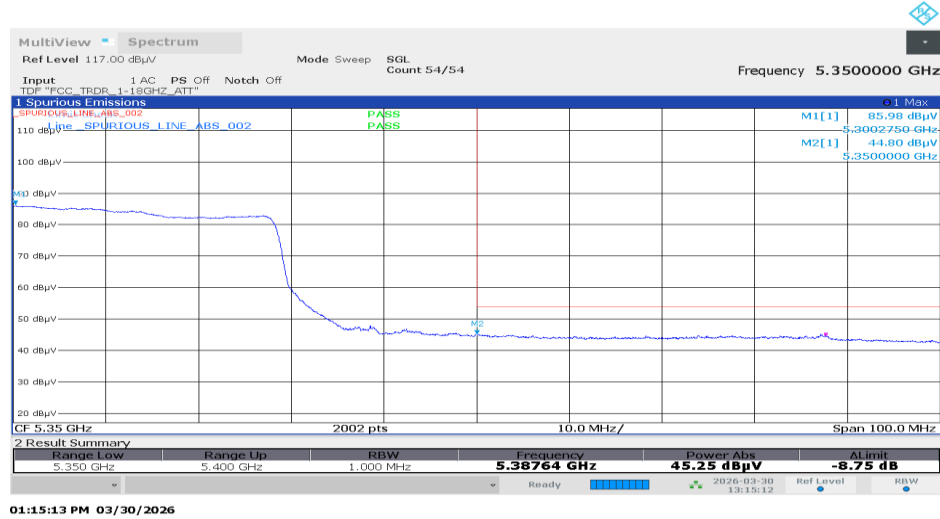
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions

SAC TX Restricted Band-edge : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5530.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Average	5376.5380	42.21	54.00	11.79
Horizontal	Average	5379.8370	42.01	54.00	11.99
Horizontal	Average	5380.6630	42.11	54.00	11.89
Horizontal	Average	5381.2120	42.04	54.00	11.96
Horizontal	Average	5385.3370	42.19	54.00	11.81
Horizontal	Average	5386.1630	42.29	54.00	11.71
Horizontal	Average	5388.3620	42.06	54.00	11.94
Vertical	Average	5390.8370	42.51	54.00	11.49
Vertical	Average	5393.0380	42.29	54.00	11.71
Vertical	Average	5394.4130	42.55	54.00	11.45
Horizontal	Average	5394.4130	42.63	54.00	11.37
Vertical	Average	5396.6120	42.40	54.00	11.60
Vertical	Average	5399.9130	42.57	54.00	11.43
Horizontal	Average	5406.7880	42.60	54.00	11.40
Vertical	Average	5407.3370	42.35	54.00	11.65
Vertical	Average	5410.9130	42.22	54.00	11.78
Vertical	Average	5412.5630	42.37	54.00	11.63
Vertical	Average	5414.4870	42.34	54.00	11.66
Vertical	Average	5455.1880	46.00	54.00	8.00
Horizontal	Average	5455.4620	45.64	54.00	8.36
Horizontal	Average	5460.5250	44.84	54.00	9.16
Vertical	Average	5463.4750	45.59	54.00	8.41
Horizontal	Peak	5463.9750	59.31	68.20	8.89
Horizontal	Peak	5464.2250	58.91	68.20	9.29
Horizontal	Peak	5464.3750	58.68	68.20	9.52
Horizontal	Peak	5464.6250	58.95	68.20	9.25
Horizontal	Peak	5464.7250	58.88	68.20	9.32
Horizontal	Peak	5465.0750	58.38	68.20	9.82
Horizontal	Peak	5467.6250	58.56	68.20	9.64
Horizontal	Peak	5468.1250	60.47	68.20	7.73
Horizontal	Peak	5468.9750	59.73	68.20	8.47
Horizontal	Peak	5469.2250	58.95	68.20	9.25
Vertical	Peak	5469.3250	58.78	68.20	9.42

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5469.6250	59.36	68.20	8.84
Vertical	Peak	5469.8250	58.36	68.20	9.84
Vertical	Peak	5469.9750	58.71	68.20	9.49
Vertical	Average	5470.0000	45.25	54.00	8.75
Horizontal	Average	5470.0000	43.96	54.00	10.04
Vertical	Peak	5470.0000	60.08	68.20	8.12
Horizontal	Peak	5470.0000	56.24	68.20	11.96

Temperature (°C) : 24.6 Humidity (%) : 68.3
Test Performed by : Nazrin & Rezza Test Date : Sun, 29 Mar, 2026
System MU : 6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)

Remarks:

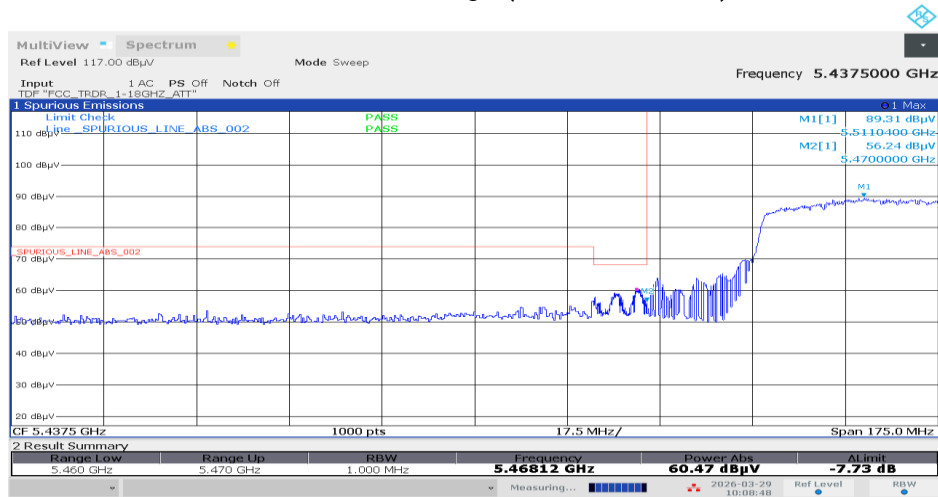
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

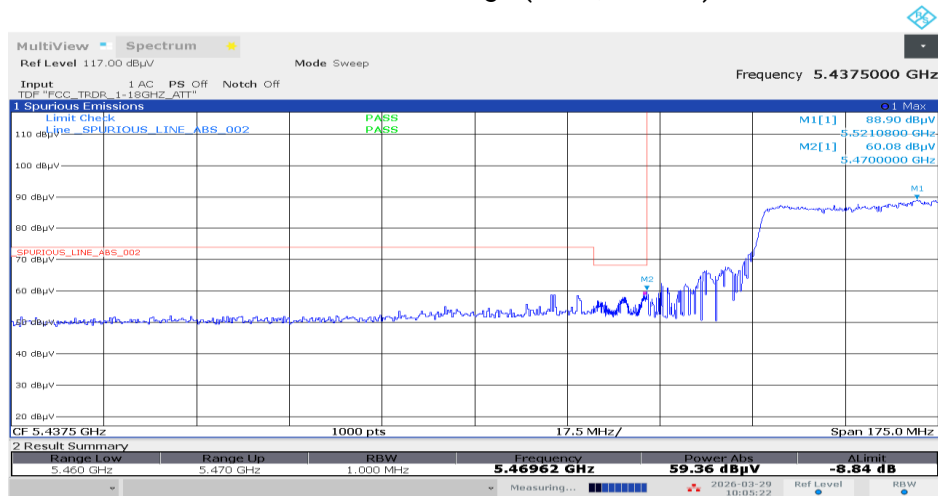
- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

Restricted Band Edge (Peak,Horizontal)



10:08:48 AM 03/29/2026

Restricted Band Edge (Peak,Vertical)



10:05:22 AM 03/29/2026

Restricted Band Edge (Average,Horizontal)



Restricted Band Edge (Average,Vertical)



Motorola Solutions

SAC TX Restricted Band-edge : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5775.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	5725.0000	61.01 *	122.20	61.19
Horizontal	Peak	5725.0000	68.03 *	122.20	54.17
Vertical	Peak	5850.0000	58.37 *	122.20	63.83
Horizontal	Peak	5850.0000	62.24 *	122.20	59.96

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Mon, 30 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

Remarks:

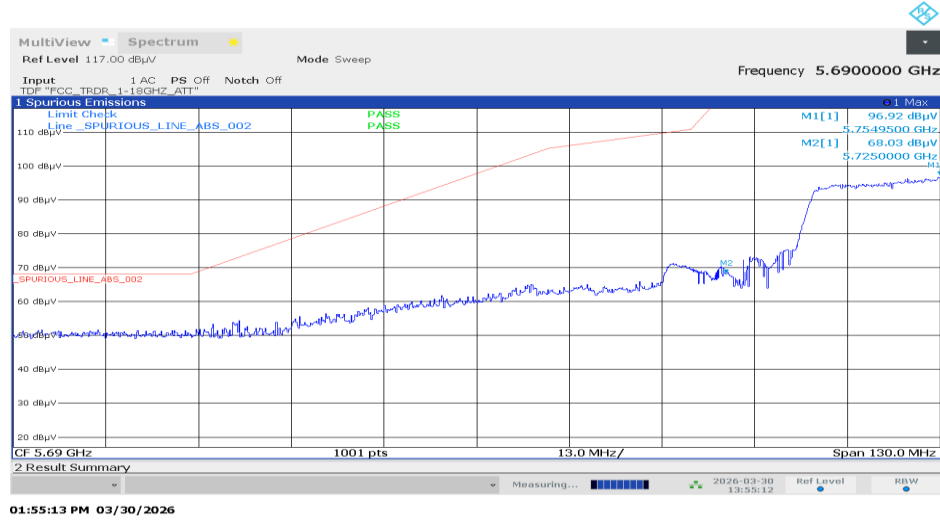
** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

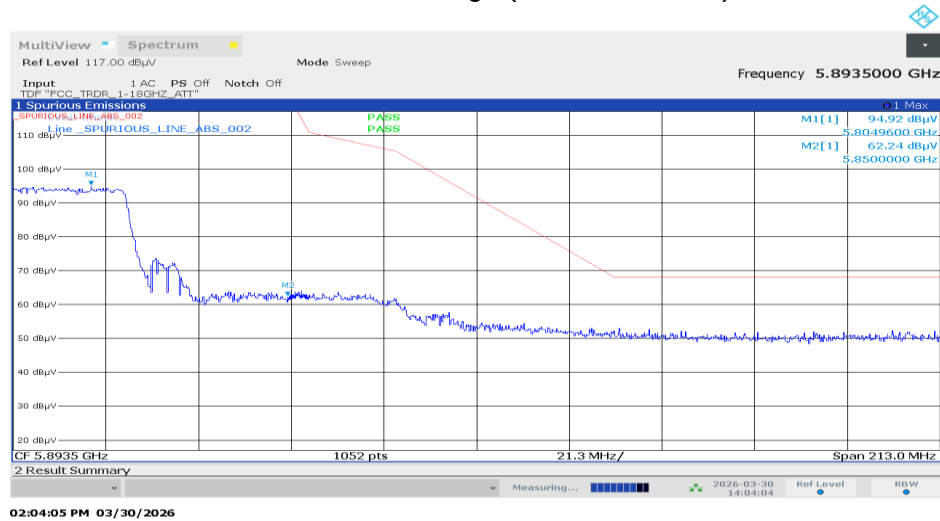
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.

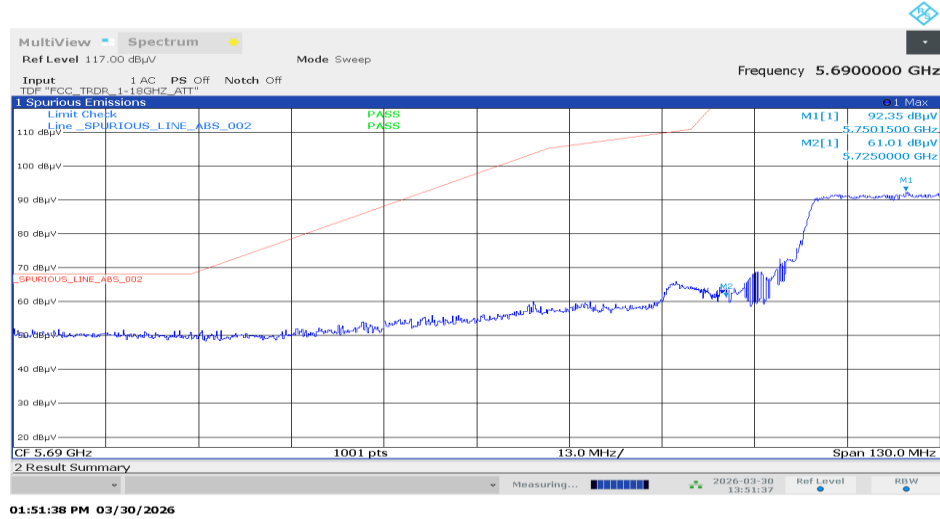
Restricted Band Edge (Peak,Horizontal)



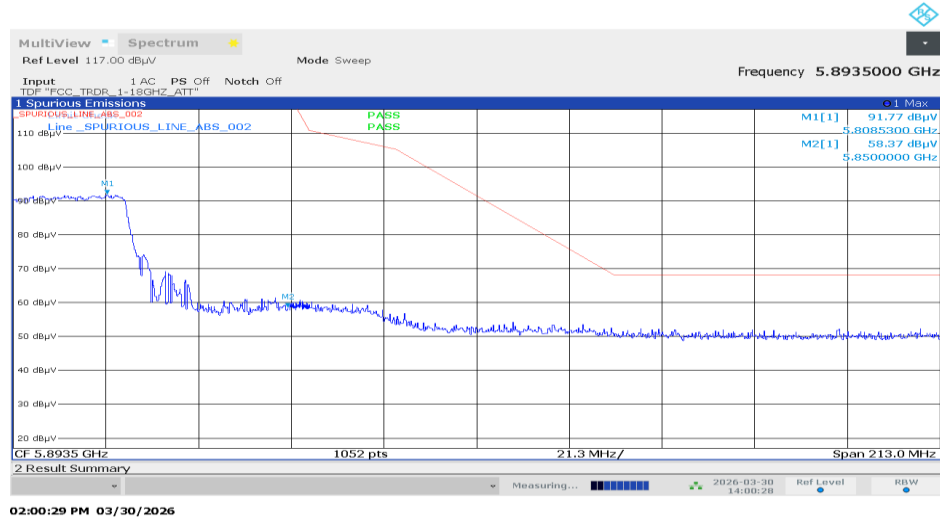
Restricted Band Edge (Peak,Horizontal)



Restricted Band Edge (Peak,Vertical)



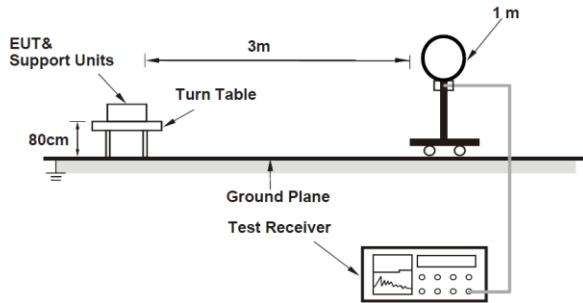
Restricted Band Edge (Peak,Vertical)



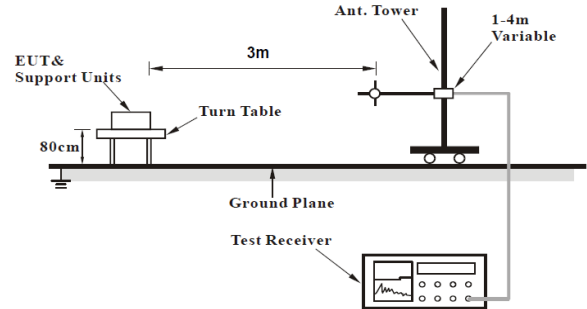
7.7. Radiated Spurious Emission Measurement

7.7.1. Test Setup

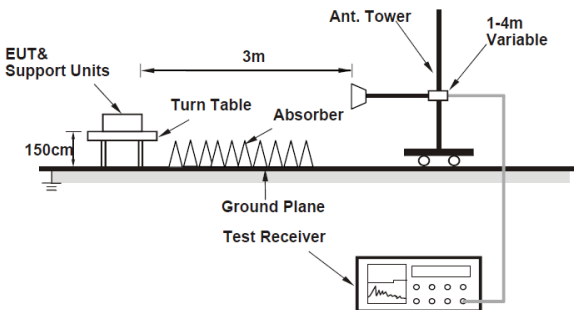
<Radiated emission below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



1. The EUT is placed on the top of a rotating table 0.8m/1.5m above the ground at a 3m semi-anechoic chamber. The table is rotated 360 degrees to determine the position of the highest radiation.
2. The EUT is set 3m away from the interference-receiving antenna, which is mounted on the top of a variable-height antenna tower.
3. The antenna is Bilog/Horn antenna depend on which frequency range uses, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT is arranged to its worst case and then the antenna is tuned to heights from 1m to 4m and the rotatable table is turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode is fall within the range of 10dB from the limit specified, the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Otherwise, the testing could be stopped and the peak values of the EUT would be reported.

NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection at frequency below 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1 GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection using reduced video bandwidth (Duty cycle $\geq 98\%$) at frequency above 1GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $1/\tau$ Hz, where τ is minimum transmitter on time (Duty cycle $< 98\%$) for Average detection using reduced video bandwidth at frequency above 1GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7.7.2. Test Limits

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

NOTE:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

For Radiated emissions which fall out of the restricted bands must comply with the radiated emission limits specified as below table.

Applicable To		Limit	
789033 D02 General UNII Test Procedures New Rules v01r03		Field Strength at 3 m	
		PK: 74 (dBµV/m)	AV: 54 (dBµV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
5150–5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)
5250–5350 MHz	15.407(b)(2)		
5470–5725 MHz	15.407(b)(3)		
5725–5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2 (dBµV/m) ^{*1} PK:105.2 (dBµV/m) ^{*2} PK: 110.8 (dBµV/m) ^{*3} PK:122.2 (dBµV/m) ^{*4}
	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*1} beyond 75 MHz or more above of the band edge.			
^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.			
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.			
^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.			

NOTE:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = (1000000\sqrt{30P}) / 3 \text{ } \mu\text{V/m, where P is the eirp (Watts)}$$

7.7.3. Test Data

802.11a

Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5180.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10360.0000	46.07 **	68.20	22.13
Horizontal	Peak	10360.0000	43.89 **	68.20	24.31
Vertical	Peak	15540.0000	46.19 **	74.00	27.81
Horizontal	Peak	15540.0000	47.08 **	74.00	26.92
Vertical	Peak	20720.0000	39.29 **	74.00	34.71
Horizontal	Peak	20720.0000	39.02 **	74.00	34.98
Vertical	Peak	25900.0000	40.14 **	68.20	28.06
Horizontal	Peak	25900.0000	40.70 **	68.20	27.50
Vertical	Peak	31080.0000	43.56 **	68.20	24.64
Horizontal	Peak	31080.0000	41.58 **	68.20	26.62
Vertical	Peak	36260.0000	45.53 **	68.20	22.67
Horizontal	Peak	36260.0000	44.26 **	68.20	23.94

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Mon, 2 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

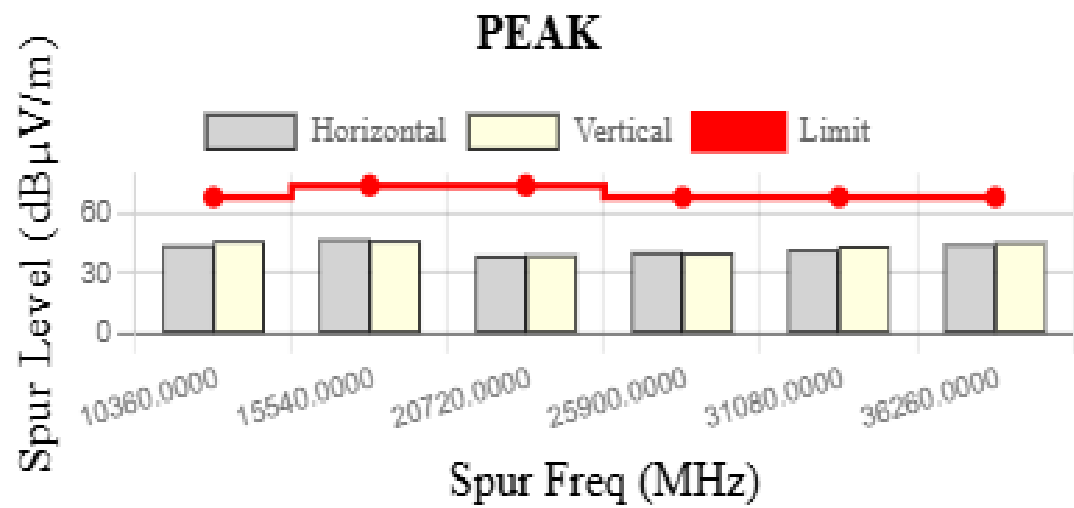
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5220.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10440.0000	44.62 **	68.20	23.58
Horizontal	Peak	10440.0000	44.43 **	68.20	23.77
Vertical	Peak	15660.0000	49.41 **	74.00	24.59
Horizontal	Peak	15660.0000	47.39 **	74.00	26.61
Vertical	Peak	20880.0000	40.10 **	74.00	33.90
Horizontal	Peak	20880.0000	39.76 **	74.00	34.24
Vertical	Peak	26100.0000	43.16 **	68.20	25.04
Horizontal	Peak	26100.0000	42.07 **	68.20	26.13
Vertical	Peak	31320.0000	42.96 **	74.00	31.04
Horizontal	Peak	31320.0000	42.67 **	74.00	31.33
Vertical	Peak	36540.0000	47.12 **	68.20	21.08
Horizontal	Peak	36540.0000	45.27 **	68.20	22.93

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

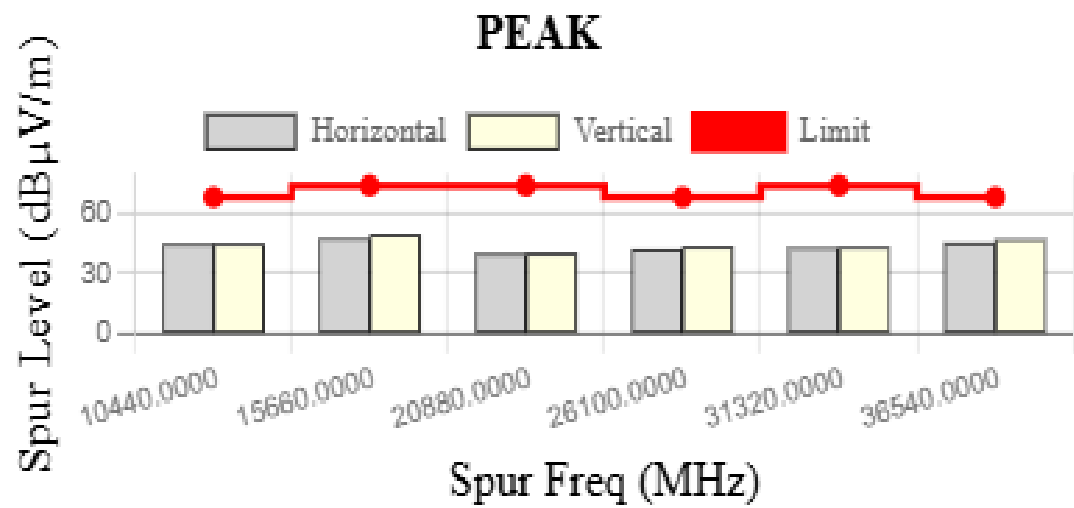
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5240.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10480.0000	47.07 **	68.20	21.13
Horizontal	Peak	10480.0000	45.30 **	68.20	22.90
Vertical	Peak	15720.0000	46.67 **	74.00	27.33
Horizontal	Peak	15720.0000	47.34 **	74.00	26.66
Vertical	Peak	20960.0000	43.28 **	74.00	30.72
Horizontal	Peak	20960.0000	41.67 **	74.00	32.33
Vertical	Peak	26200.0000	41.78 **	68.20	26.42
Horizontal	Peak	26200.0000	41.14 **	68.20	27.06
Vertical	Peak	31440.0000	44.00 **	74.00	30.00
Horizontal	Peak	31440.0000	43.51 **	74.00	30.49
Vertical	Peak	36680.0000	46.99 **	68.20	21.21
Horizontal	Peak	36680.0000	45.62 **	68.20	22.58

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

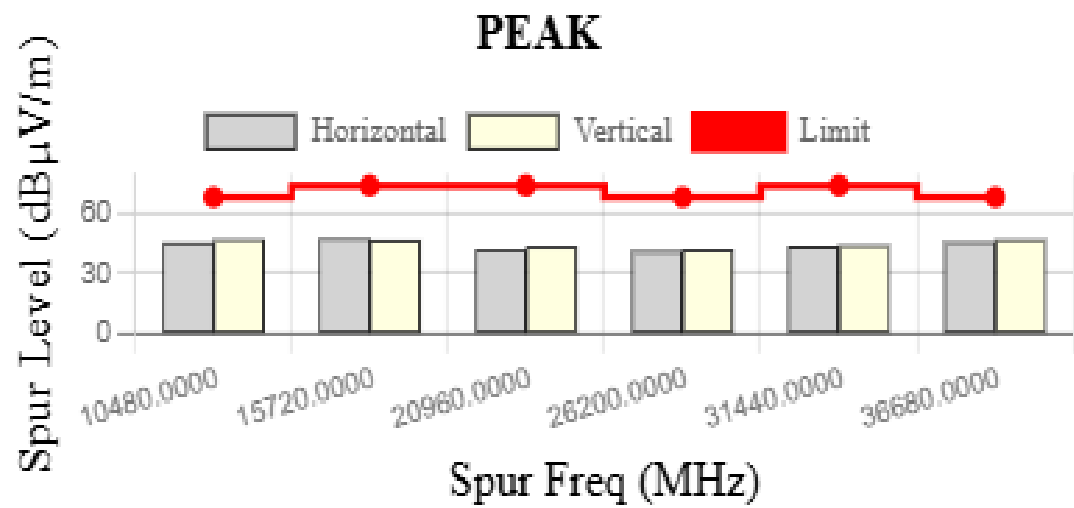
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5260.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10520.0000	44.89 **	68.20	23.31
Horizontal	Peak	10520.0000	46.49 **	68.20	21.71
Vertical	Peak	15780.0000	48.06 **	74.00	25.94
Horizontal	Peak	15780.0000	48.26 **	74.00	25.74
Vertical	Peak	21040.0000	41.03 **	74.00	32.97
Horizontal	Peak	21040.0000	40.89 **	74.00	33.11
Vertical	Peak	26300.0000	42.23 **	68.20	25.97
Horizontal	Peak	26300.0000	42.43 **	68.20	25.77
Vertical	Peak	31560.0000	42.59 **	74.00	31.41
Horizontal	Peak	31560.0000	42.99 **	74.00	31.01
Vertical	Peak	36820.0000	46.21 **	68.20	21.99
Horizontal	Peak	36820.0000	46.63 **	68.20	21.57

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

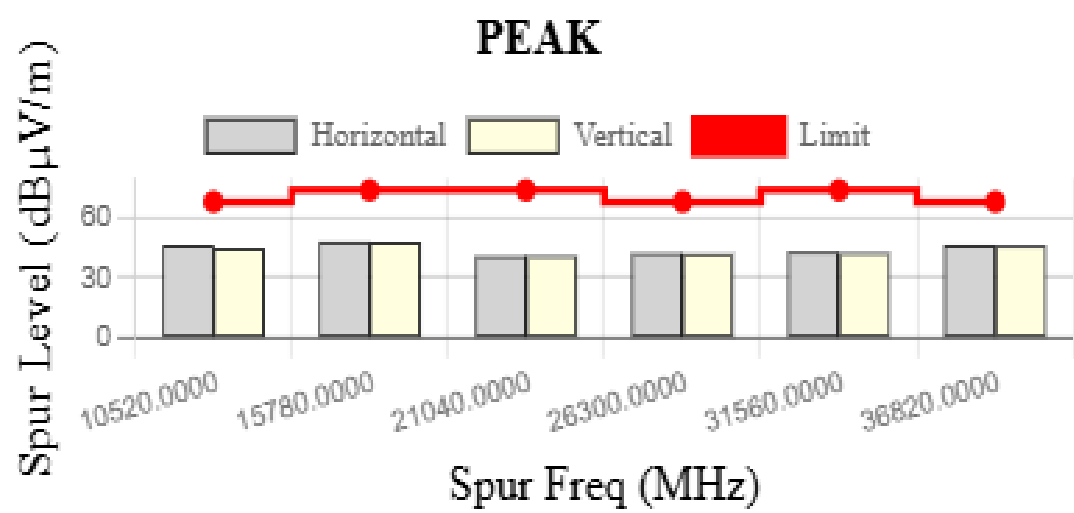
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5300.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10600.0000	45.95 **	74.00	28.05
Horizontal	Peak	10600.0000	47.82 **	74.00	26.18
Vertical	Peak	15900.0000	48.65 **	74.00	25.35
Horizontal	Peak	15900.0000	48.26 **	74.00	25.74
Vertical	Peak	21200.0000	39.25 **	74.00	34.75
Horizontal	Peak	21200.0000	39.89 **	74.00	34.11
Vertical	Peak	26500.0000	40.57 **	68.20	27.63
Horizontal	Peak	26500.0000	41.30 **	68.20	26.90
Vertical	Peak	31800.0000	41.98 **	74.00	32.02
Horizontal	Peak	31800.0000	43.10 **	74.00	30.90
Vertical	Peak	37100.0000	47.40 **	68.20	20.80
Horizontal	Peak	37100.0000	47.24 **	68.20	20.96

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

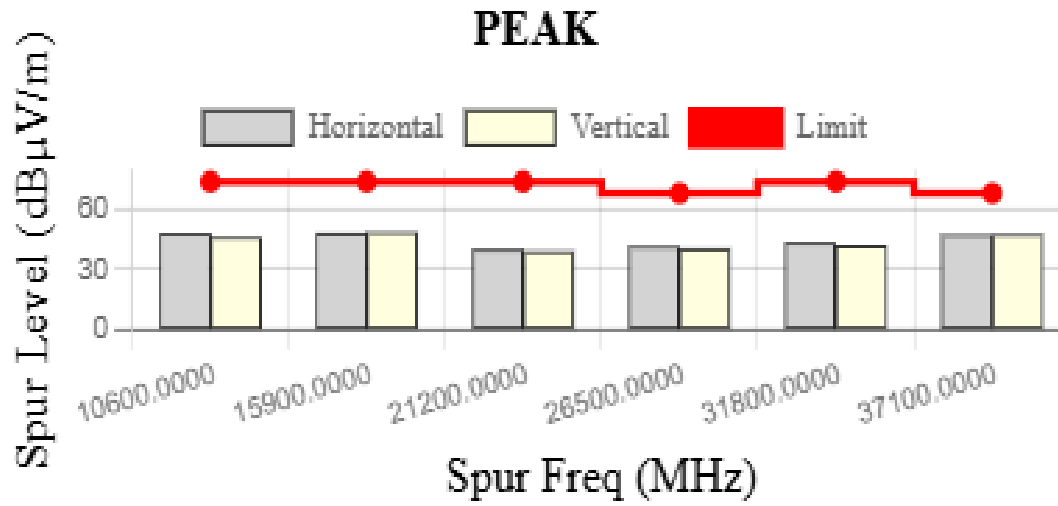
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5320.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10640.0000	45.14 **	74.00	28.86
Horizontal	Peak	10640.0000	45.36 **	74.00	28.64
Vertical	Peak	15960.0000	48.80 **	74.00	25.20
Horizontal	Peak	15960.0000	49.82 **	74.00	24.18
Vertical	Peak	21280.0000	38.32 **	74.00	35.68
Horizontal	Peak	21280.0000	40.30 **	74.00	33.70
Vertical	Peak	26600.0000	42.30 **	68.20	25.90
Horizontal	Peak	26600.0000	42.46 **	68.20	25.74
Vertical	Peak	31920.0000	42.32 **	68.20	25.88
Horizontal	Peak	31920.0000	43.32 **	68.20	24.88
Vertical	Peak	37240.0000	46.03 **	68.20	22.17
Horizontal	Peak	37240.0000	45.36 **	68.20	22.84

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

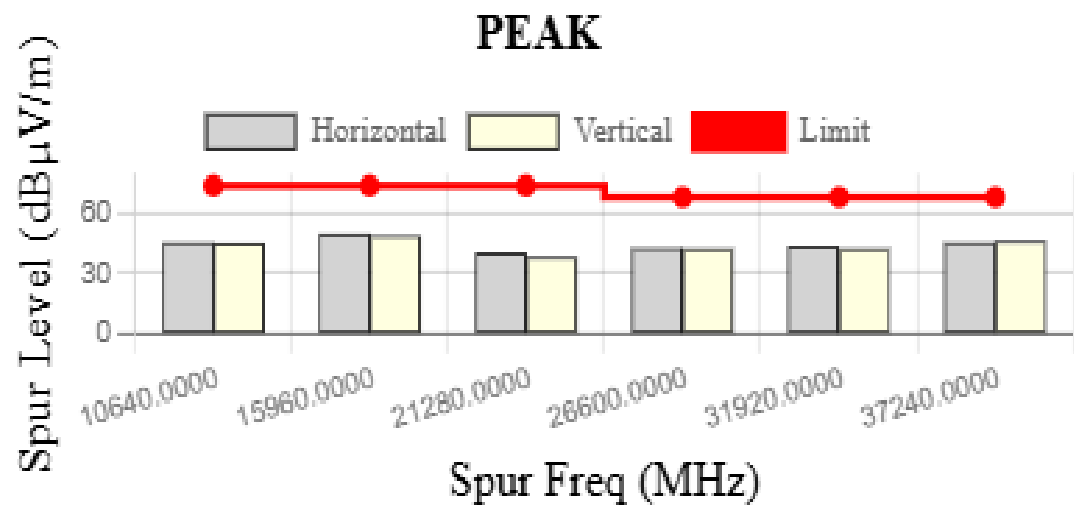
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5500.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11000.0000	45.84 **	74.00	28.16
Horizontal	Peak	11000.0000	46.84 **	74.00	27.16
Vertical	Peak	16500.0000	49.51 **	68.20	18.69
Horizontal	Peak	16500.0000	49.58 **	68.20	18.62
Vertical	Peak	22000.0000	41.29 **	68.20	26.91
Horizontal	Peak	22000.0000	40.86 **	68.20	27.34
Vertical	Peak	27500.0000	41.49 **	68.20	26.71
Horizontal	Peak	27500.0000	43.67 **	68.20	24.53
Vertical	Peak	33000.0000	42.51 **	68.20	25.69
Horizontal	Peak	33000.0000	44.35 **	68.20	23.85
Vertical	Peak	38500.0000	51.00 **	68.20	17.20
Horizontal	Peak	38500.0000	50.59 **	68.20	17.61

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

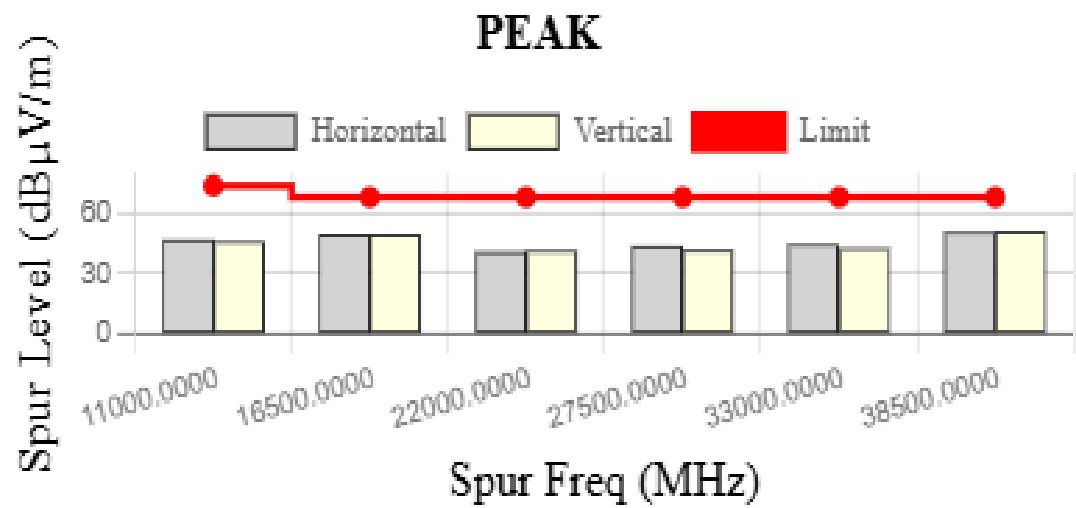
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5580.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11160.0000	45.82 **	74.00	28.18
Horizontal	Peak	11160.0000	46.34 **	74.00	27.66
Vertical	Peak	16740.0000	49.75 **	68.20	18.45
Horizontal	Peak	16740.0000	50.73 **	68.20	17.47
Vertical	Peak	22320.0000	40.02 **	74.00	33.98
Horizontal	Peak	22320.0000	41.17 **	74.00	32.83
Vertical	Peak	27900.0000	42.52 **	68.20	25.68
Horizontal	Peak	27900.0000	42.32 **	68.20	25.88
Vertical	Peak	33480.0000	44.43 **	68.20	23.77
Horizontal	Peak	33480.0000	46.06 **	68.20	22.14
Vertical	Peak	39060.0000	50.50 **	68.20	17.70
Horizontal	Peak	39060.0000	49.57 **	68.20	18.63

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

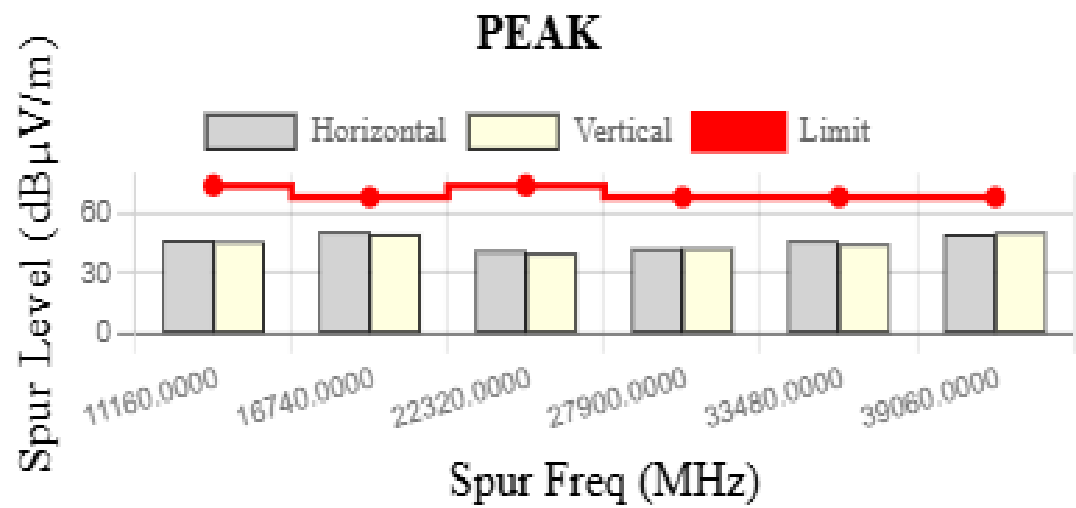
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5720.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11440.0000	47.94 **	74.00	26.06
Horizontal	Peak	11440.0000	46.68 **	74.00	27.32
Vertical	Peak	17160.0000	50.36 **	68.20	17.84
Horizontal	Peak	17160.0000	50.82 **	68.20	17.38
Vertical	Peak	22880.0000	40.65 **	74.00	33.35
Horizontal	Peak	22880.0000	41.62 **	74.00	32.38
Vertical	Peak	28600.0000	41.98 **	68.20	26.22
Horizontal	Peak	28600.0000	41.59 **	68.20	26.61
Vertical	Peak	34320.0000	44.89 **	68.20	23.31
Horizontal	Peak	34320.0000	46.16 **	68.20	22.04

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

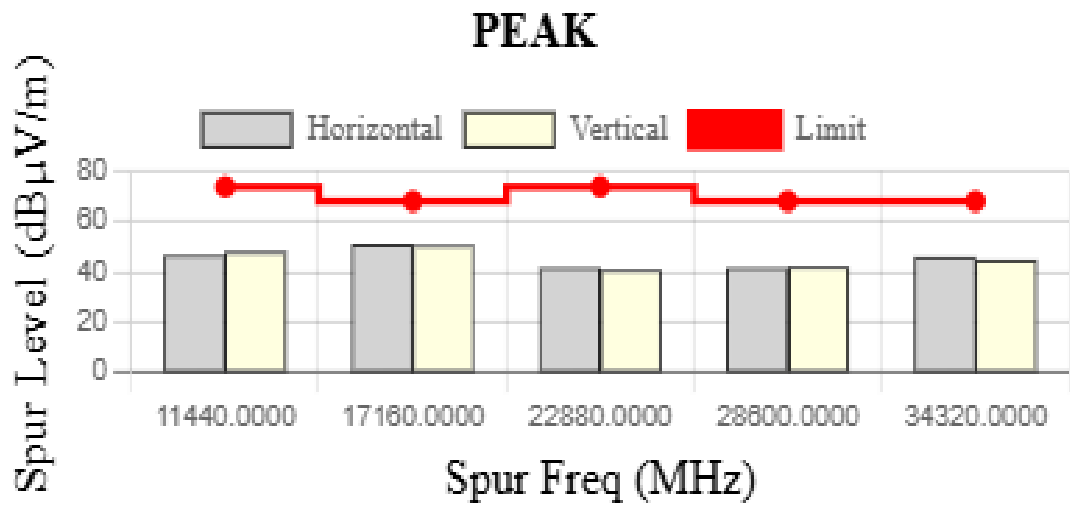
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5745.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11490.0000	45.03 **	74.00	28.97
Horizontal	Peak	11490.0000	46.37 **	74.00	27.63
Vertical	Peak	17235.0000	50.49 **	68.20	17.71
Horizontal	Peak	17235.0000	52.35 **	68.20	15.85
Vertical	Peak	22980.0000	41.22 **	74.00	32.78
Horizontal	Peak	22980.0000	40.90 **	74.00	33.10
Vertical	Peak	28725.0000	43.11 **	68.20	25.09
Horizontal	Peak	28725.0000	42.11 **	68.20	26.09
Vertical	Peak	34470.0000	47.09 **	68.20	21.11
Horizontal	Peak	34470.0000	46.17 **	68.20	22.03

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Fuad	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

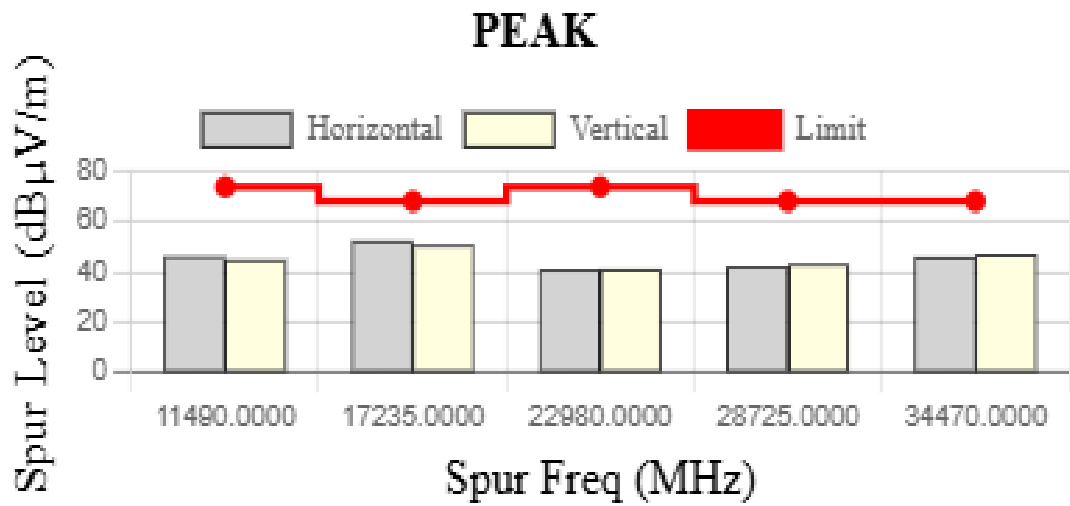
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5785.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11570.0000	46.23 **	74.00	27.77
Horizontal	Peak	11570.0000	46.87 **	74.00	27.13
Vertical	Peak	17355.0000	50.52 **	68.20	17.68
Horizontal	Peak	17355.0000	51.81 **	68.20	16.39
Vertical	Peak	23140.0000	40.40 **	68.20	27.80
Horizontal	Peak	23140.0000	40.19 **	68.20	28.01
Vertical	Peak	28925.0000	43.71 **	68.20	24.49
Horizontal	Peak	28925.0000	42.27 **	68.20	25.93
Vertical	Peak	34710.0000	44.87 **	68.20	23.33
Horizontal	Peak	34710.0000	45.68 **	68.20	22.52

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

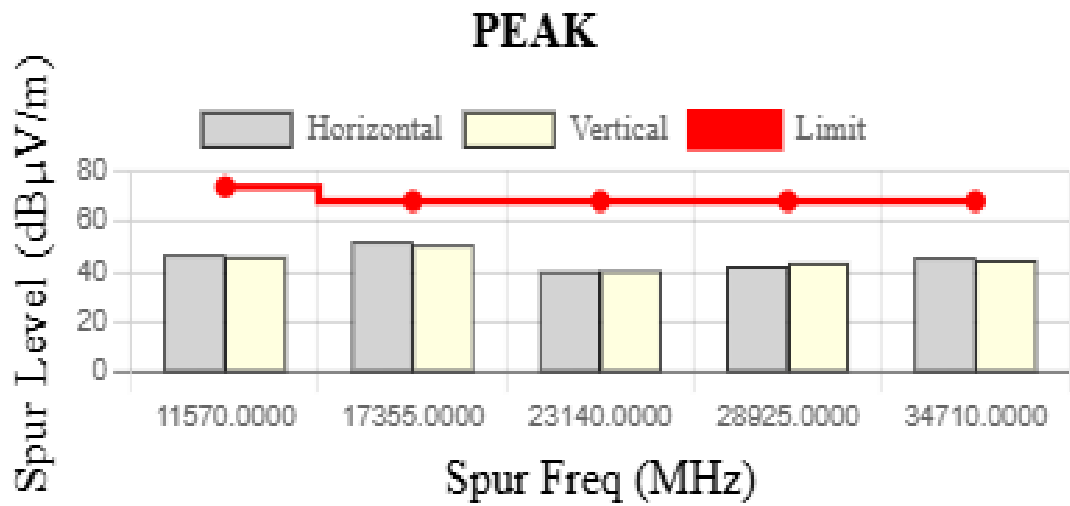
Remarks:

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11a	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5825.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11650.0000	45.59 **	74.00	28.41
Horizontal	Peak	11650.0000	44.68 **	74.00	29.32
Vertical	Peak	17475.0000	49.86 **	68.20	18.34
Horizontal	Peak	17475.0000	49.77 **	68.20	18.43
Vertical	Peak	23300.0000	40.80 **	68.20	27.40
Horizontal	Peak	23300.0000	41.16 **	68.20	27.04
Vertical	Peak	29125.0000	42.10 **	68.20	26.10
Horizontal	Peak	29125.0000	42.40 **	68.20	25.80
Vertical	Peak	34950.0000	43.55 **	68.20	24.65
Horizontal	Peak	34950.0000	43.88 **	68.20	24.32

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

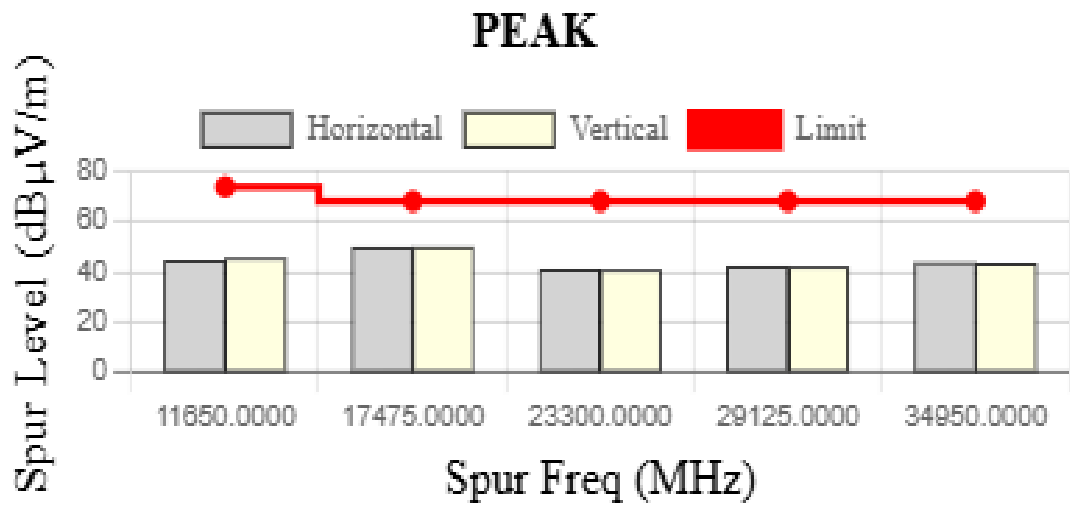
Remarks:

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NOTE :

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802.11n (HT20)

Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5180.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10360.0000	43.76 **	68.20	24.44
Horizontal	Peak	10360.0000	44.95 **	68.20	23.25
Vertical	Peak	15540.0000	46.92 **	74.00	27.08
Horizontal	Peak	15540.0000	47.59 **	74.00	26.41
Vertical	Peak	20720.0000	39.19 **	74.00	34.81
Horizontal	Peak	20720.0000	39.88 **	74.00	34.12
Vertical	Peak	25900.0000	42.23 **	68.20	25.97
Horizontal	Peak	25900.0000	39.54 **	68.20	28.66
Vertical	Peak	31080.0000	43.05 **	68.20	25.15
Horizontal	Peak	31080.0000	42.54 **	68.20	25.66
Vertical	Peak	36260.0000	46.38 **	68.20	21.82
Horizontal	Peak	36260.0000	47.20 **	68.20	21.00

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

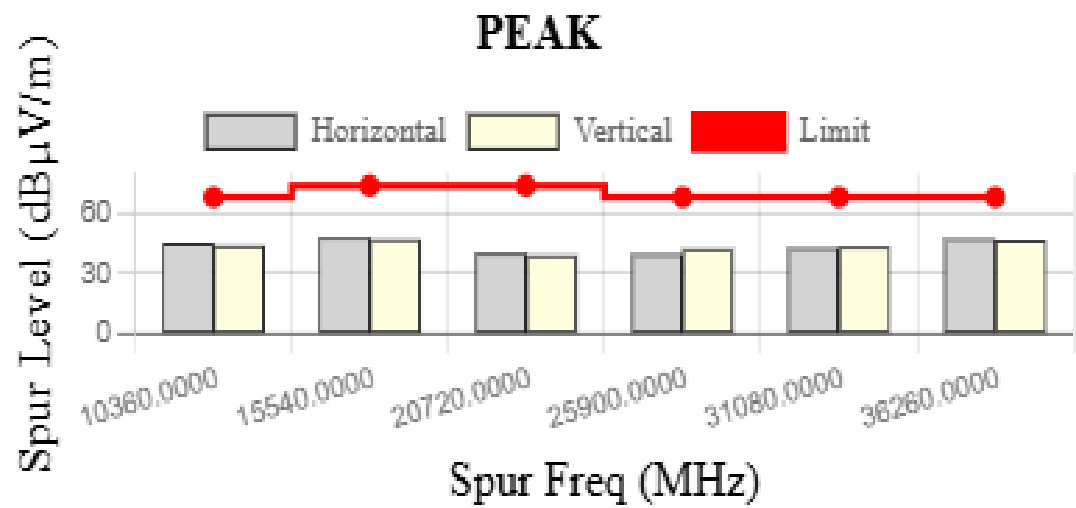
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5220.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10440.0000	46.30 **	68.20	21.90
Horizontal	Peak	10440.0000	45.85 **	68.20	22.35
Vertical	Peak	15660.0000	48.60 **	74.00	25.40
Horizontal	Peak	15660.0000	50.05 **	74.00	23.95
Vertical	Peak	20880.0000	40.35 **	74.00	33.65
Horizontal	Peak	20880.0000	38.98 **	74.00	35.02
Vertical	Peak	26100.0000	41.96 **	68.20	26.24
Horizontal	Peak	26100.0000	42.06 **	68.20	26.14
Vertical	Peak	31320.0000	44.08 **	74.00	29.92
Horizontal	Peak	31320.0000	44.00 **	74.00	30.00
Vertical	Peak	36540.0000	46.93 **	68.20	21.27
Horizontal	Peak	36540.0000	46.12 **	68.20	22.08

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

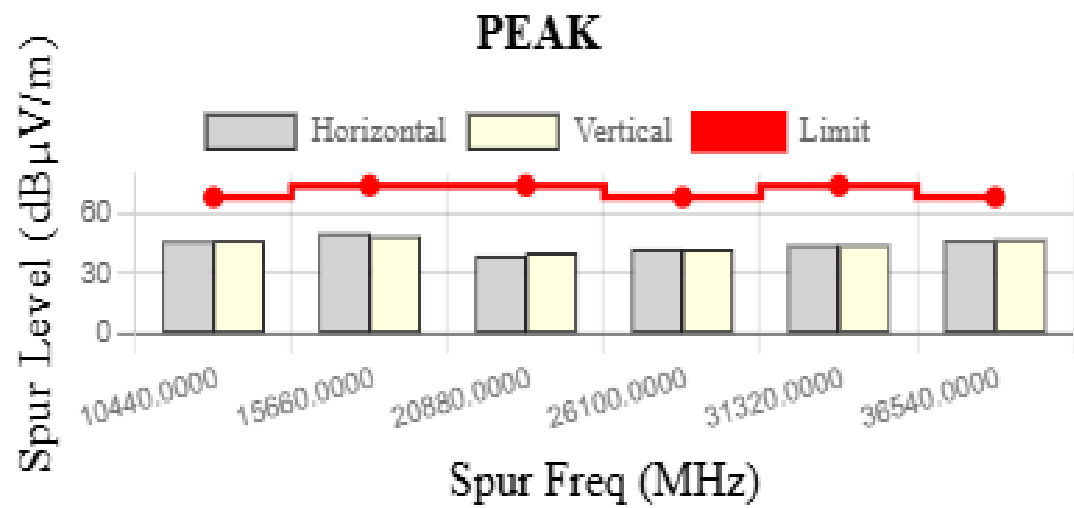
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5240.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10480.0000	46.22 **	68.20	21.98
Horizontal	Peak	10480.0000	45.17 **	68.20	23.03
Vertical	Peak	15720.0000	46.88 **	74.00	27.12
Horizontal	Peak	15720.0000	46.98 **	74.00	27.02
Vertical	Peak	20960.0000	42.58 **	74.00	31.42
Horizontal	Peak	20960.0000	42.71 **	74.00	31.29
Vertical	Peak	26200.0000	42.28 **	68.20	25.92
Horizontal	Peak	26200.0000	43.48 **	68.20	24.72
Vertical	Peak	31440.0000	44.13 **	74.00	29.87
Horizontal	Peak	31440.0000	43.11 **	74.00	30.89
Vertical	Peak	36680.0000	46.80 **	68.20	21.40
Horizontal	Peak	36680.0000	45.66 **	68.20	22.54

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

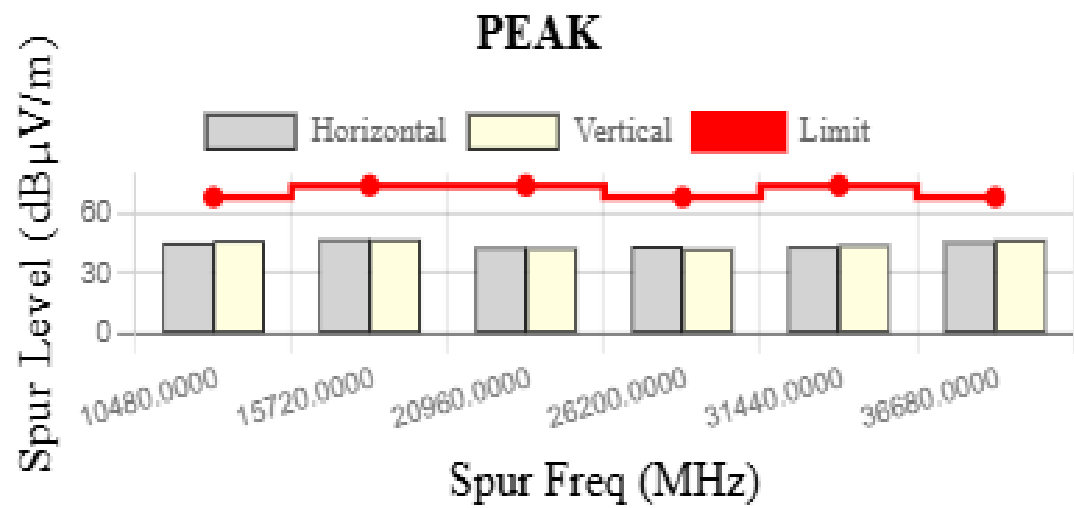
Remarks:

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5260.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10520.0000	44.81 **	68.20	23.39
Horizontal	Peak	10520.0000	45.25 **	68.20	22.95
Vertical	Peak	15780.0000	48.78 **	74.00	25.22
Horizontal	Peak	15780.0000	50.16 **	74.00	23.84
Vertical	Peak	21040.0000	40.82 **	74.00	33.18
Horizontal	Peak	21040.0000	40.77 **	74.00	33.23
Vertical	Peak	26300.0000	41.63 **	68.20	26.57
Horizontal	Peak	26300.0000	42.14 **	68.20	26.06
Vertical	Peak	31560.0000	41.84 **	74.00	32.16
Horizontal	Peak	31560.0000	42.08 **	74.00	31.92
Vertical	Peak	36820.0000	46.89 **	68.20	21.31
Horizontal	Peak	36820.0000	45.63 **	68.20	22.57

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

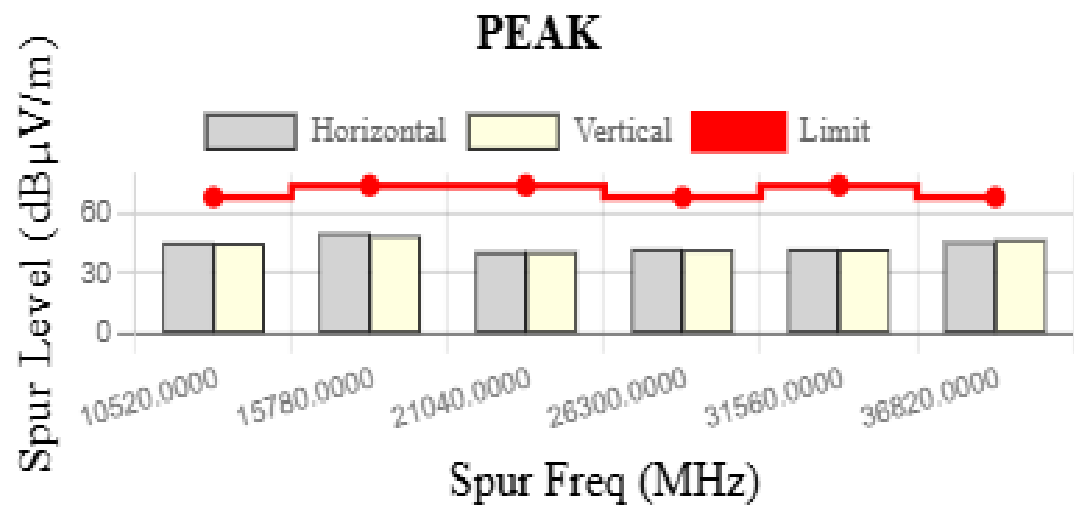
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5300.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10600.0000	46.68 **	74.00	27.32
Horizontal	Peak	10600.0000	46.29 **	74.00	27.71
Vertical	Peak	15900.0000	48.13 **	74.00	25.87
Horizontal	Peak	15900.0000	47.78 **	74.00	26.22
Vertical	Peak	21200.0000	38.86 **	74.00	35.14
Horizontal	Peak	21200.0000	40.53 **	74.00	33.47
Vertical	Peak	26500.0000	42.58 **	68.20	25.62
Horizontal	Peak	26500.0000	41.62 **	68.20	26.58
Vertical	Peak	31800.0000	42.69 **	74.00	31.31
Horizontal	Peak	31800.0000	42.04 **	74.00	31.96
Vertical	Peak	37100.0000	46.50 **	68.20	21.70
Horizontal	Peak	37100.0000	46.91 **	68.20	21.29

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

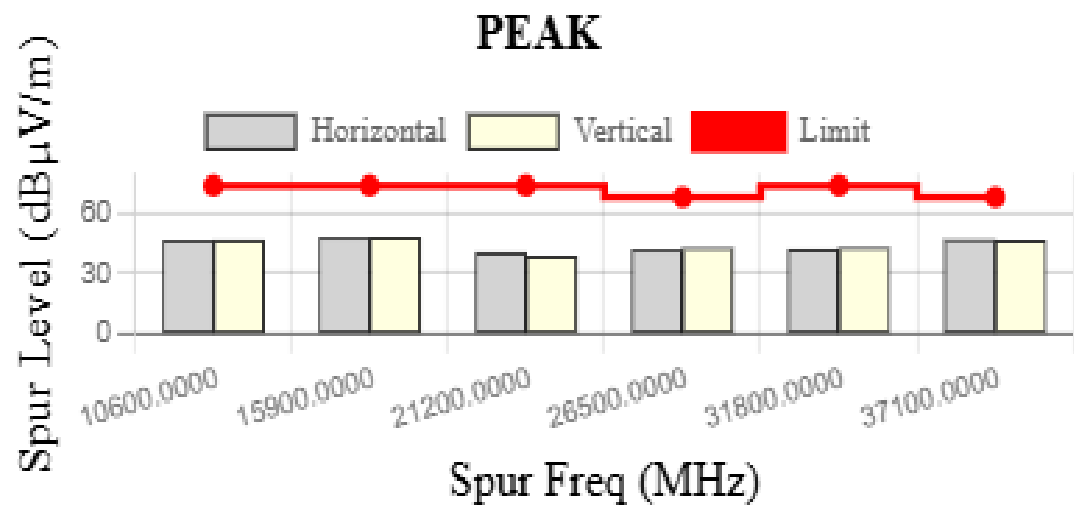
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5320.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10640.0000	45.87 **	74.00	28.13
Horizontal	Peak	10640.0000	45.21 **	74.00	28.79
Vertical	Peak	15960.0000	47.29 **	74.00	26.71
Horizontal	Peak	15960.0000	48.10 **	74.00	25.90
Vertical	Peak	21280.0000	39.76 **	74.00	34.24
Horizontal	Peak	21280.0000	40.37 **	74.00	33.63
Vertical	Peak	26600.0000	41.58 **	68.20	26.62
Horizontal	Peak	26600.0000	42.46 **	68.20	25.74
Vertical	Peak	31920.0000	45.38 **	68.20	22.82
Horizontal	Peak	31920.0000	42.51 **	68.20	25.69
Vertical	Peak	37240.0000	45.97 **	68.20	22.23
Horizontal	Peak	37240.0000	46.32 **	68.20	21.88

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

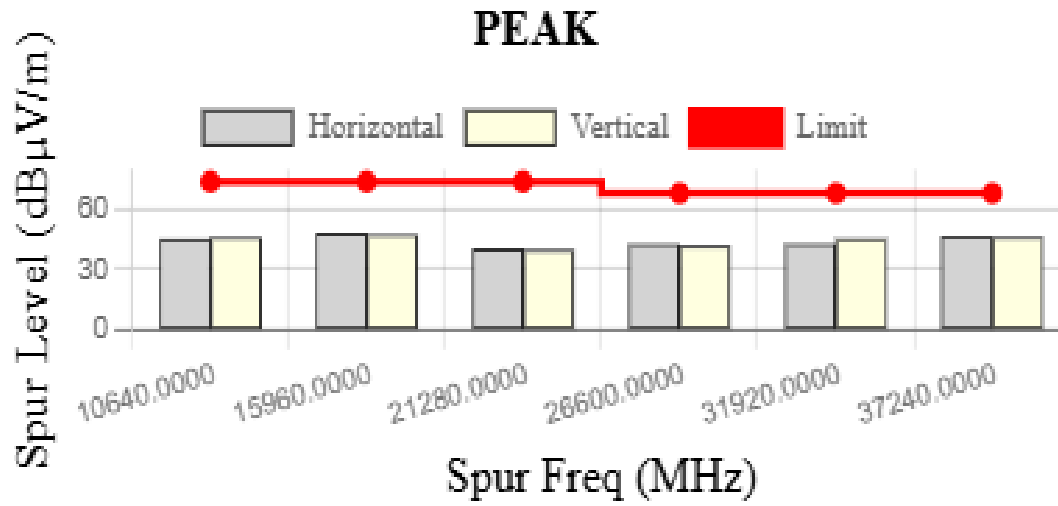
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5500.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11000.0000	47.02 **	74.00	26.98
Horizontal	Peak	11000.0000	47.19 **	74.00	26.81
Vertical	Peak	16500.0000	49.92 **	68.20	18.28
Horizontal	Peak	16500.0000	50.42 **	68.20	17.78
Vertical	Peak	22000.0000	40.20 **	68.20	28.00
Horizontal	Peak	22000.0000	40.89 **	68.20	27.31
Vertical	Peak	27500.0000	41.72 **	68.20	26.48
Horizontal	Peak	27500.0000	43.42 **	68.20	24.78
Vertical	Peak	33000.0000	44.80 **	68.20	23.40
Horizontal	Peak	33000.0000	42.54 **	68.20	25.66
Vertical	Peak	38500.0000	51.57 **	68.20	16.63
Horizontal	Peak	38500.0000	49.97 **	68.20	18.23

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

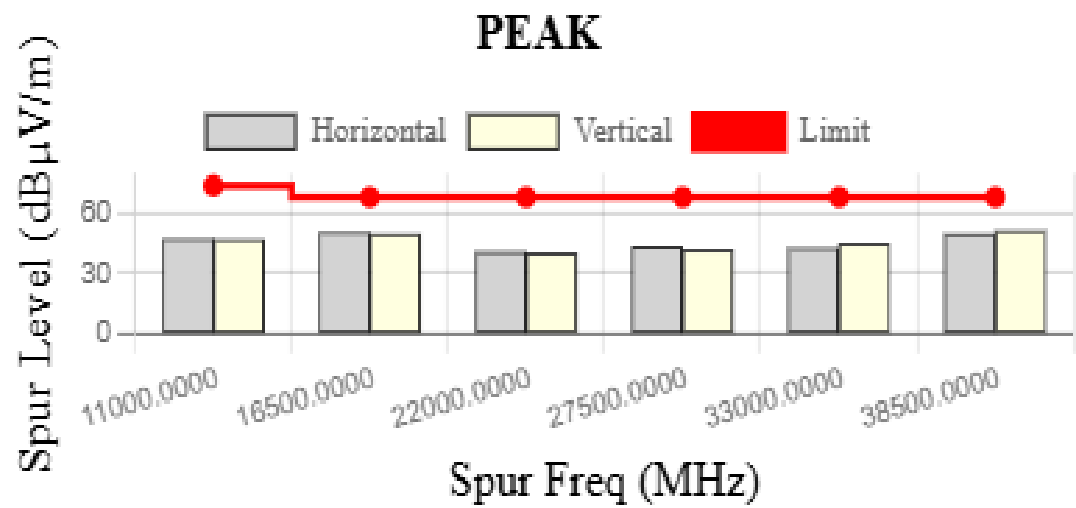
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5580.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11160.0000	45.41 **	74.00	28.59
Horizontal	Peak	11160.0000	45.57 **	74.00	28.43
Vertical	Peak	16740.0000	49.91 **	68.20	18.29
Horizontal	Peak	16740.0000	50.42 **	68.20	17.78
Vertical	Peak	22320.0000	41.99 **	74.00	32.01
Horizontal	Peak	22320.0000	41.60 **	74.00	32.40
Vertical	Peak	27900.0000	42.28 **	68.20	25.92
Horizontal	Peak	27900.0000	41.80 **	68.20	26.40
Vertical	Peak	33480.0000	43.90 **	68.20	24.30
Horizontal	Peak	33480.0000	44.11 **	68.20	24.09
Vertical	Peak	39060.0000	51.18 **	68.20	17.02
Horizontal	Peak	39060.0000	49.79 **	68.20	18.41

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

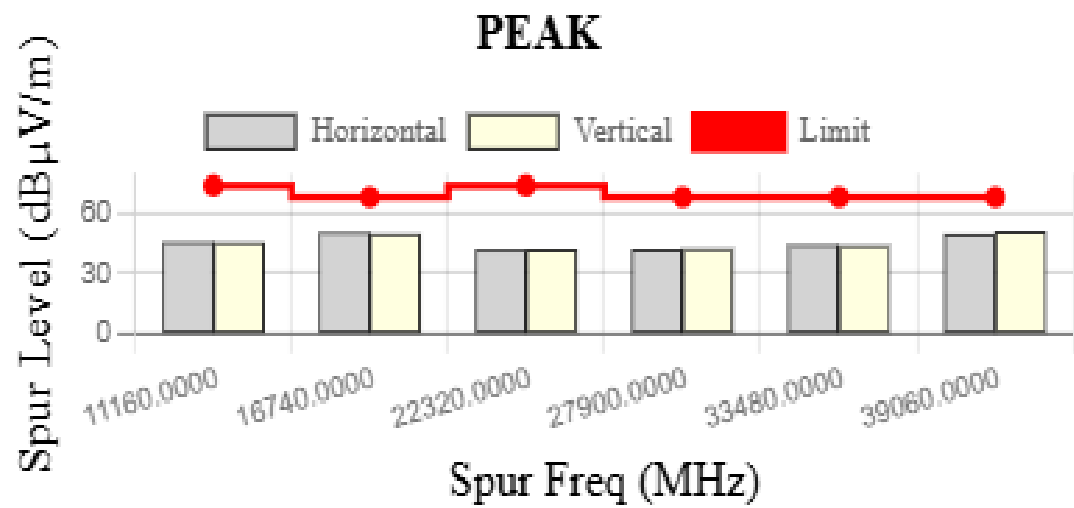
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5720.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11440.0000	46.44 **	74.00	27.56
Horizontal	Peak	11440.0000	46.74 **	74.00	27.26
Vertical	Peak	17160.0000	51.31 **	68.20	16.89
Horizontal	Peak	17160.0000	50.59 **	68.20	17.61
Vertical	Peak	22880.0000	40.34 **	74.00	33.66
Horizontal	Peak	22880.0000	41.90 **	74.00	32.10
Vertical	Peak	28600.0000	42.86 **	68.20	25.34
Horizontal	Peak	28600.0000	41.97 **	68.20	26.23
Vertical	Peak	34320.0000	47.09 **	68.20	21.11
Horizontal	Peak	34320.0000	46.01 **	68.20	22.19

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

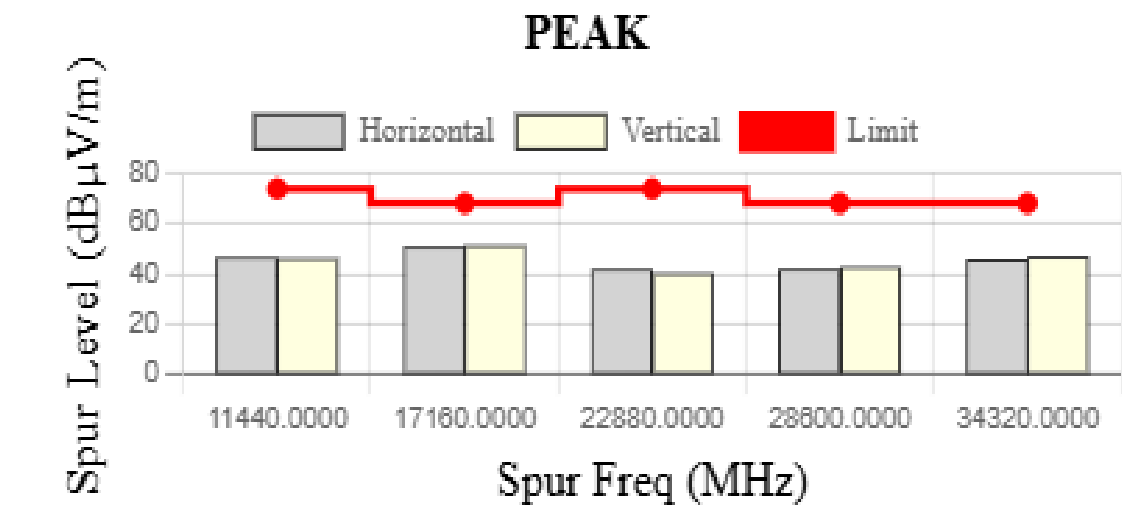
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5745.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11490.0000	46.37 **	74.00	27.63
Horizontal	Peak	11490.0000	45.46 **	74.00	28.54
Vertical	Peak	17235.0000	51.31 **	68.20	16.89
Horizontal	Peak	17235.0000	51.21 **	68.20	16.99
Vertical	Peak	22980.0000	42.23 **	74.00	31.77
Horizontal	Peak	22980.0000	40.94 **	74.00	33.06
Vertical	Peak	28725.0000	42.85 **	68.20	25.35
Horizontal	Peak	28725.0000	43.13 **	68.20	25.07
Vertical	Peak	34470.0000	46.81 **	68.20	21.39
Horizontal	Peak	34470.0000	45.49 **	68.20	22.71

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

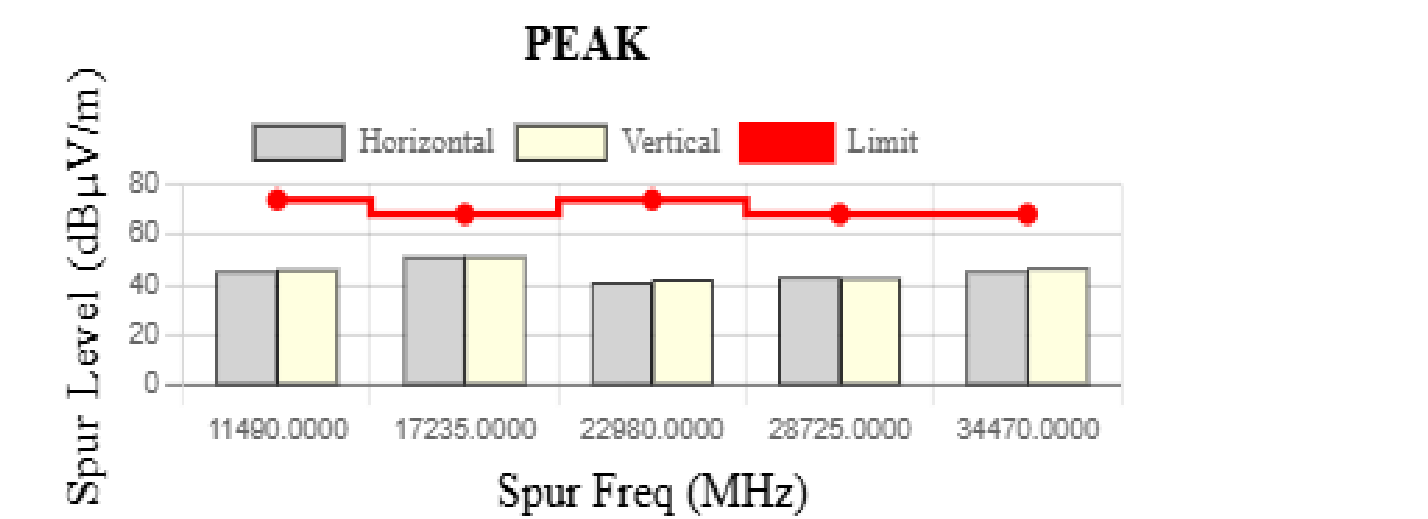
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5785.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11570.0000	46.82 **	74.00	27.18
Horizontal	Peak	11570.0000	45.91 **	74.00	28.09
Vertical	Peak	17355.0000	52.12 **	68.20	16.08
Horizontal	Peak	17355.0000	51.86 **	68.20	16.34
Vertical	Peak	23140.0000	41.56 **	68.20	26.64
Horizontal	Peak	23140.0000	39.91 **	68.20	28.29
Vertical	Peak	28925.0000	42.76 **	68.20	25.44
Horizontal	Peak	28925.0000	42.90 **	68.20	25.30
Vertical	Peak	34710.0000	45.17 **	68.20	23.03
Horizontal	Peak	34710.0000	45.71 **	68.20	22.49

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

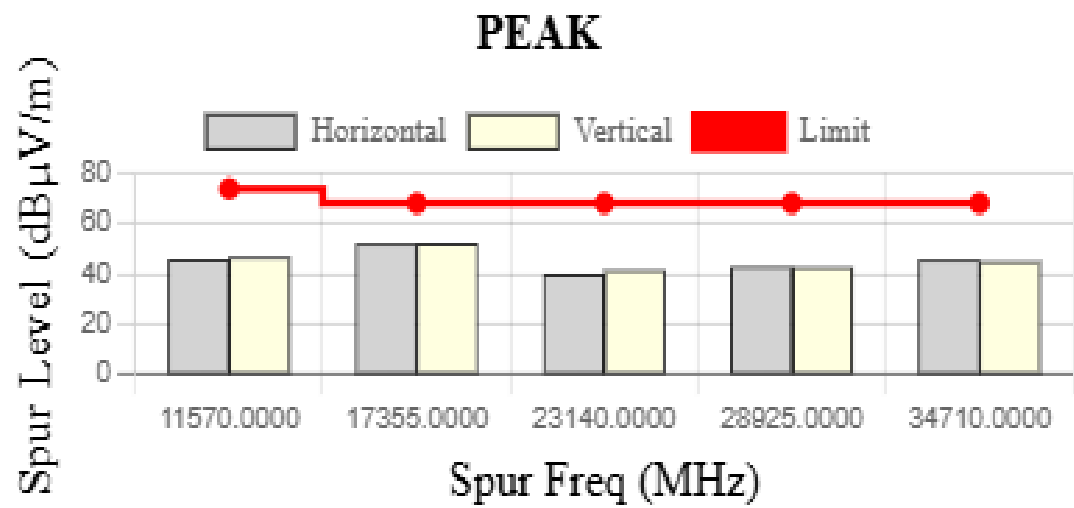
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	20000.0000
Test Frequency (MHz) :	5825.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11650.0000	44.97 **	74.00	29.03
Horizontal	Peak	11650.0000	45.93 **	74.00	28.07
Vertical	Peak	17475.0000	50.66 **	68.20	17.54
Horizontal	Peak	17475.0000	50.17 **	68.20	18.03
Vertical	Peak	23300.0000	40.73 **	68.20	27.47
Horizontal	Peak	23300.0000	39.38 **	68.20	28.82
Vertical	Peak	29125.0000	43.60 **	68.20	24.60
Horizontal	Peak	29125.0000	43.06 **	68.20	25.14
Vertical	Peak	34950.0000	43.95 **	68.20	24.25
Horizontal	Peak	34950.0000	44.62 **	68.20	23.58

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

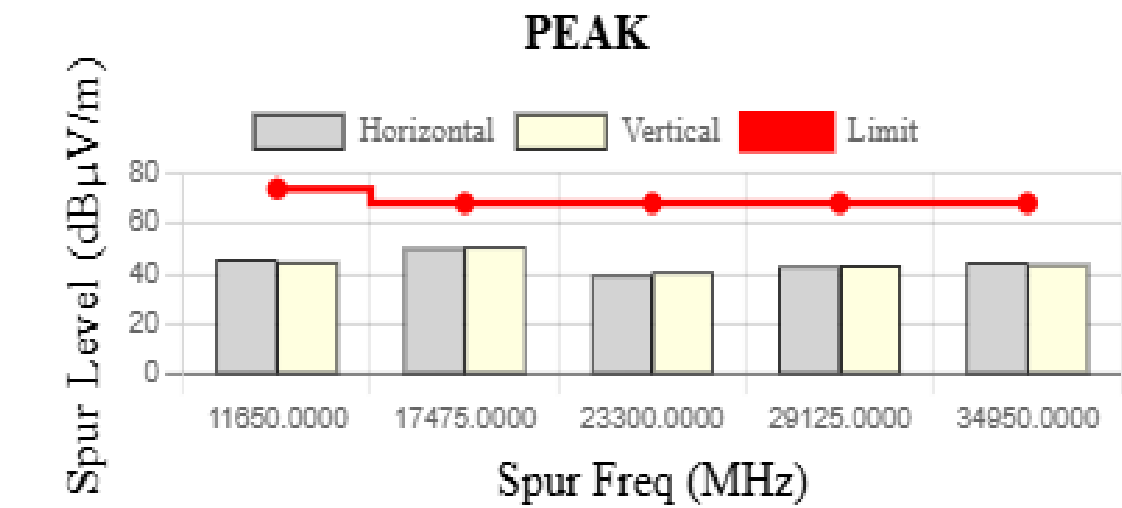
Remarks:

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802.11n (HT40)

Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5190.0000	Softpot Power :	14.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10380.0000	44.92 **	68.20	23.28
Horizontal	Peak	10380.0000	44.85 **	68.20	23.35
Vertical	Peak	15570.0000	48.45 **	74.00	25.55
Horizontal	Peak	15570.0000	48.62 **	74.00	25.38
Vertical	Peak	20760.0000	41.02 **	74.00	32.98
Horizontal	Peak	20760.0000	41.28 **	74.00	32.72
Vertical	Peak	25950.0000	40.74 **	68.20	27.46
Horizontal	Peak	25950.0000	44.05 **	68.20	24.15
Vertical	Peak	31140.0000	43.23 **	68.20	24.97
Horizontal	Peak	31140.0000	42.56 **	68.20	25.64
Vertical	Peak	36330.0000	46.83 **	68.20	21.37
Horizontal	Peak	36330.0000	46.97 **	68.20	21.23

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

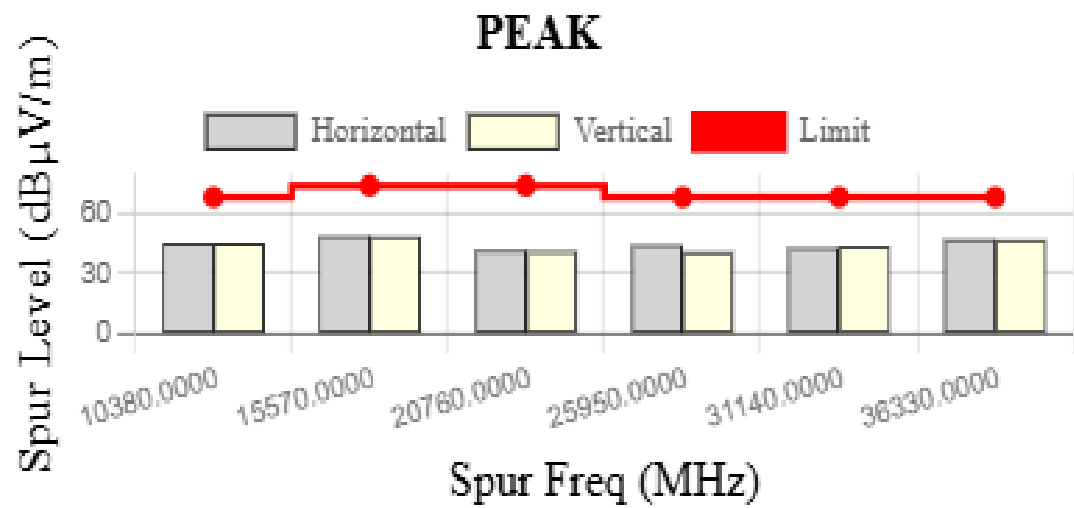
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5230.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10460.0000	44.50 **	68.20	23.70
Horizontal	Peak	10460.0000	45.59 **	68.20	22.61
Vertical	Peak	15690.0000	46.36 **	74.00	27.64
Horizontal	Peak	15690.0000	47.28 **	74.00	26.72
Vertical	Peak	20920.0000	40.00 **	74.00	34.00
Horizontal	Peak	20920.0000	42.69 **	74.00	31.31
Vertical	Peak	26150.0000	41.86 **	68.20	26.34
Horizontal	Peak	26150.0000	41.09 **	68.20	27.11
Vertical	Peak	31380.0000	44.80 **	74.00	29.20
Horizontal	Peak	31380.0000	44.55 **	74.00	29.45
Vertical	Peak	36610.0000	45.85 **	68.20	22.35
Horizontal	Peak	36610.0000	45.92 **	68.20	22.28

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

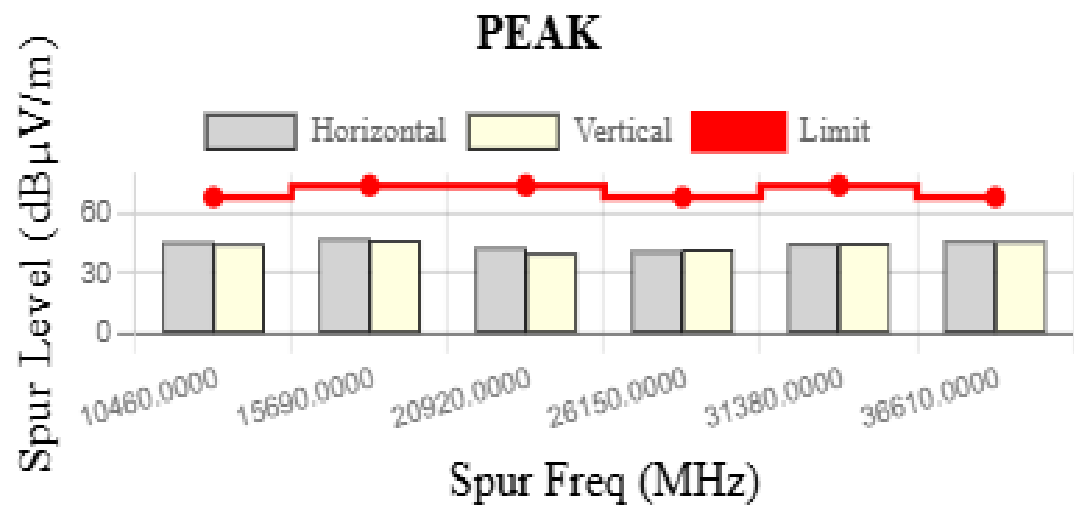
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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5270.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10540.0000	44.88 **	68.20	23.32
Horizontal	Peak	10540.0000	45.28 **	68.20	22.92
Vertical	Peak	15810.0000	48.56 **	74.00	25.44
Horizontal	Peak	15810.0000	48.18 **	74.00	25.82
Vertical	Peak	21080.0000	39.94 **	74.00	34.06
Horizontal	Peak	21080.0000	40.30 **	74.00	33.70
Vertical	Peak	26350.0000	43.03 **	68.20	25.17
Horizontal	Peak	26350.0000	42.59 **	68.20	25.61
Vertical	Peak	31620.0000	42.67 **	74.00	31.33
Horizontal	Peak	31620.0000	44.05 **	74.00	29.95
Vertical	Peak	36890.0000	45.85 **	68.20	22.35
Horizontal	Peak	36890.0000	46.15 **	68.20	22.05

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

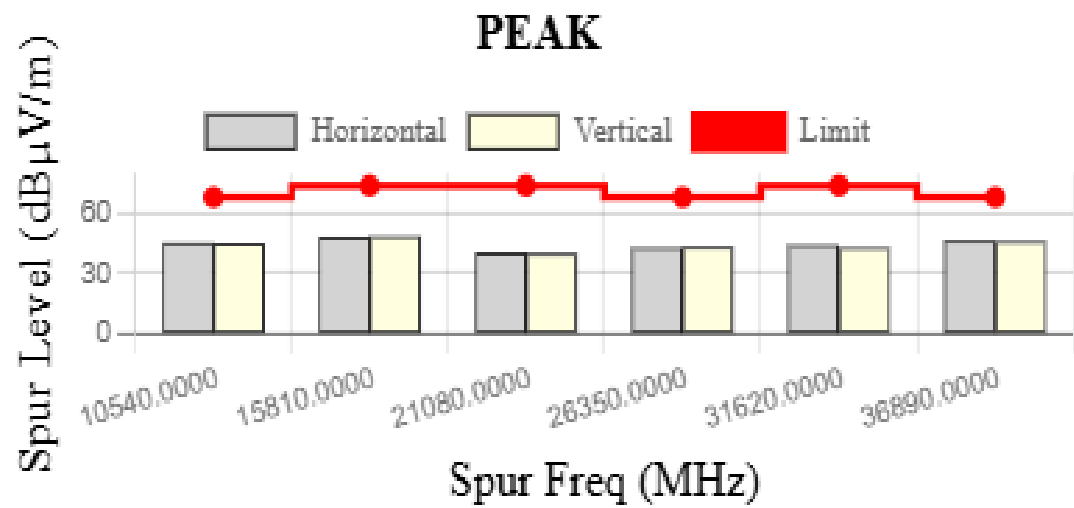
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5310.0000	Softpot Power :	13.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10620.0000	45.57 **	74.00	28.43
Horizontal	Peak	10620.0000	46.98 **	74.00	27.02
Vertical	Peak	15930.0000	49.51 **	74.00	24.49
Horizontal	Peak	15930.0000	48.40 **	74.00	25.60
Vertical	Peak	21240.0000	39.86 **	74.00	34.14
Horizontal	Peak	21240.0000	38.78 **	74.00	35.22
Vertical	Peak	26550.0000	43.17 **	68.20	25.03
Horizontal	Peak	26550.0000	41.60 **	68.20	26.60
Vertical	Peak	31860.0000	41.44 **	68.20	26.76
Horizontal	Peak	31860.0000	41.94 **	68.20	26.26
Vertical	Peak	37170.0000	46.94 **	68.20	21.26
Horizontal	Peak	37170.0000	48.80 **	68.20	19.40

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

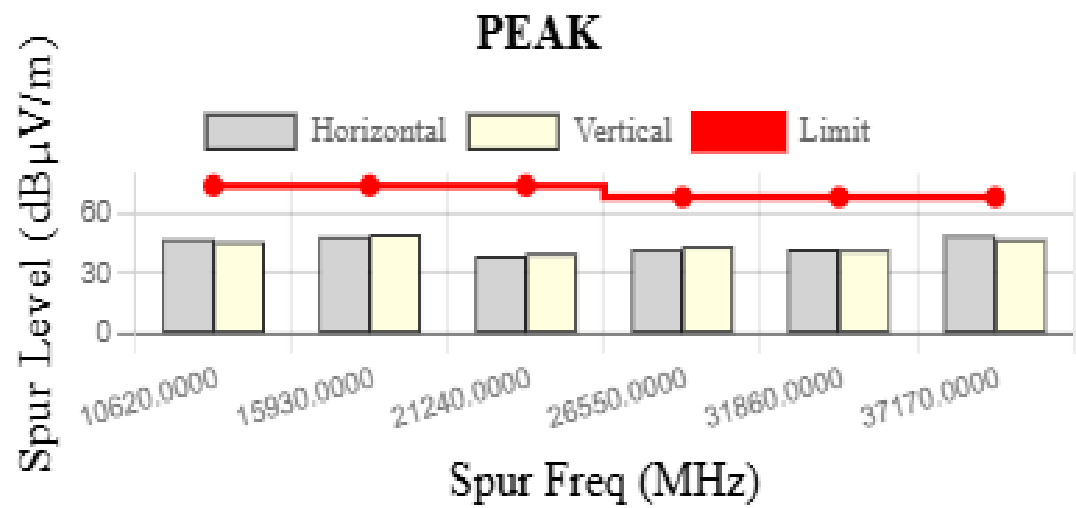
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5510.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11020.0000	47.62 **	74.00	26.38
Horizontal	Peak	11020.0000	47.29 **	74.00	26.71
Vertical	Peak	16530.0000	50.91 **	68.20	17.29
Horizontal	Peak	16530.0000	50.27 **	68.20	17.93
Vertical	Peak	22040.0000	41.03 **	74.00	32.97
Horizontal	Peak	22040.0000	42.78 **	74.00	31.22
Vertical	Peak	27550.0000	43.09 **	68.20	25.11
Horizontal	Peak	27550.0000	41.91 **	68.20	26.29
Vertical	Peak	33060.0000	44.39 **	68.20	23.81
Horizontal	Peak	33060.0000	43.87 **	68.20	24.33
Vertical	Peak	38570.0000	49.82 **	68.20	18.38
Horizontal	Peak	38570.0000	50.56 **	68.20	17.64

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

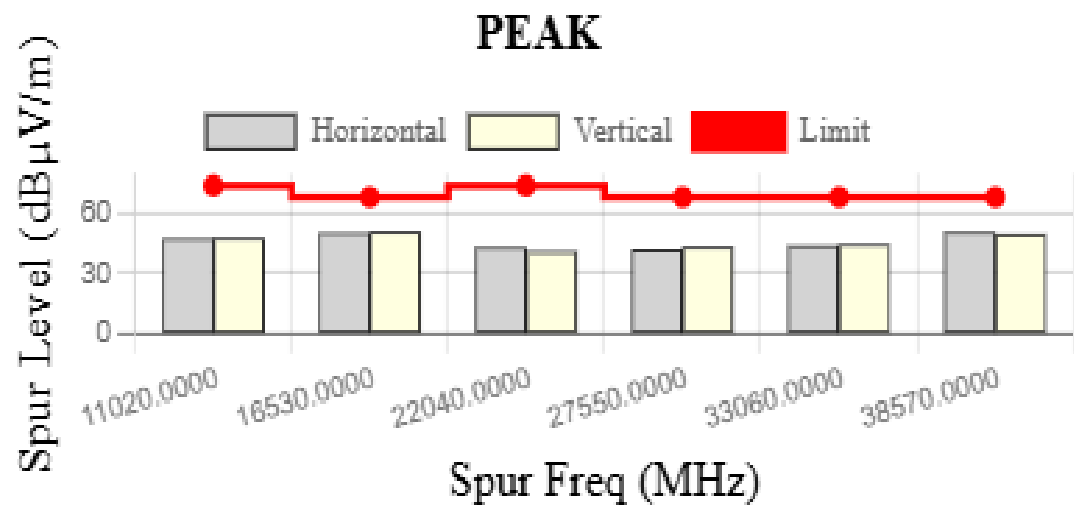
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5550.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11100.0000	46.14 **	74.00	27.86
Horizontal	Peak	11100.0000	47.23 **	74.00	26.77
Vertical	Peak	16650.0000	49.73 **	68.20	18.47
Horizontal	Peak	16650.0000	49.52 **	68.20	18.68
Vertical	Peak	22200.0000	40.62 **	74.00	33.38
Horizontal	Peak	22200.0000	40.71 **	74.00	33.29
Vertical	Peak	27750.0000	42.87 **	68.20	25.33
Horizontal	Peak	27750.0000	43.08 **	68.20	25.12
Vertical	Peak	33300.0000	42.94 **	68.20	25.26
Horizontal	Peak	33300.0000	43.05 **	68.20	25.15
Vertical	Peak	38850.0000	49.13 **	68.20	19.07
Horizontal	Peak	38850.0000	48.52 **	68.20	19.68

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

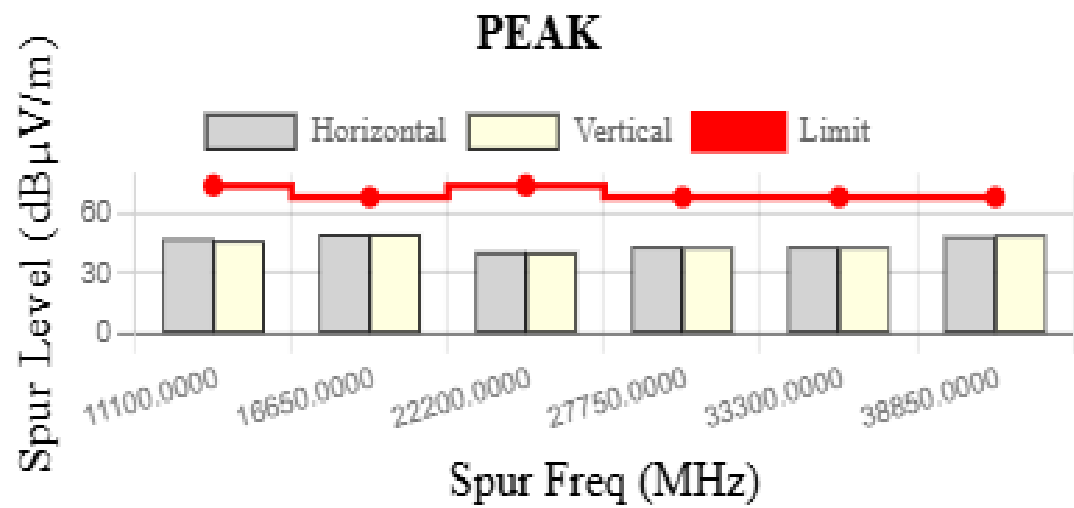
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5710.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11420.0000	49.49 **	74.00	24.51
Horizontal	Peak	11420.0000	45.64 **	74.00	28.36
Vertical	Peak	17130.0000	50.40 **	68.20	17.80
Horizontal	Peak	17130.0000	51.28 **	68.20	16.92
Vertical	Peak	22840.0000	40.49 **	74.00	33.51
Horizontal	Peak	22840.0000	40.27 **	74.00	33.73
Vertical	Peak	28550.0000	43.72 **	68.20	24.48
Horizontal	Peak	28550.0000	40.97 **	68.20	27.23
Vertical	Peak	34260.0000	45.54 **	68.20	22.66
Horizontal	Peak	34260.0000	46.30 **	68.20	21.90
Vertical	Peak	39970.0000	52.69 **	68.20	15.51
Horizontal	Peak	39970.0000	52.53 **	68.20	15.67

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

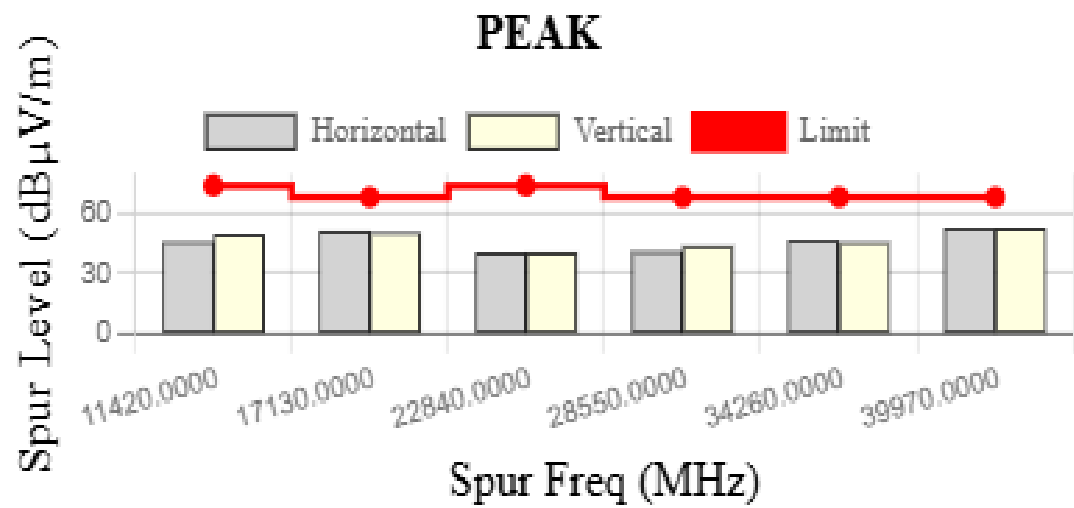
Remarks:

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5755.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11510.0000	45.28 **	74.00	28.72
Horizontal	Peak	11510.0000	45.71 **	74.00	28.29
Vertical	Peak	17265.0000	50.52 **	68.20	17.68
Horizontal	Peak	17265.0000	51.68 **	68.20	16.52
Vertical	Peak	23020.0000	40.11 **	74.00	33.89
Horizontal	Peak	23020.0000	40.01 **	74.00	33.99
Vertical	Peak	28775.0000	41.52 **	68.20	26.68
Horizontal	Peak	28775.0000	41.22 **	68.20	26.98
Vertical	Peak	34530.0000	46.21 **	68.20	21.99
Horizontal	Peak	34530.0000	46.63 **	68.20	21.57

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

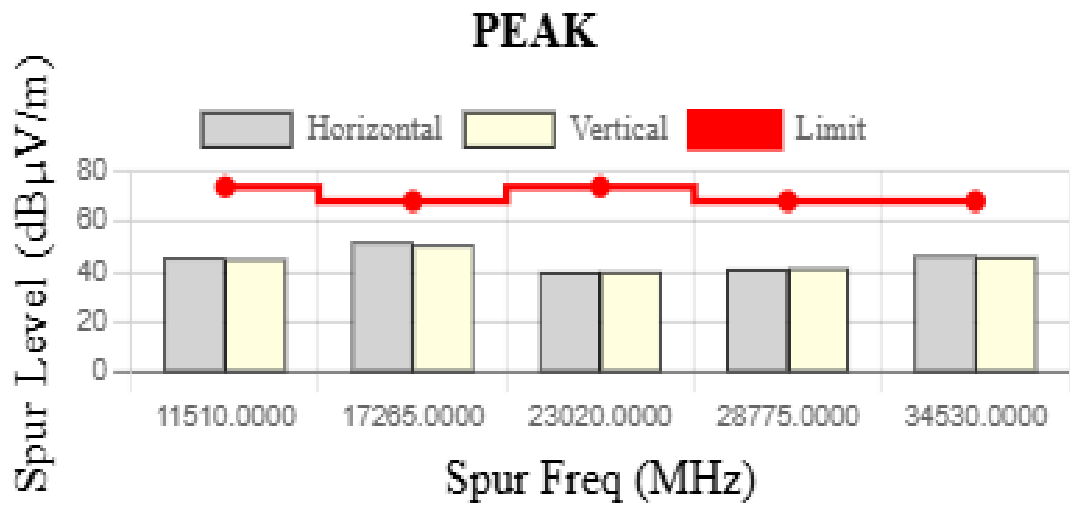
Remarks:

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11n	Channel SP/Bandwidth (kHz) :	40000.0000
Test Frequency (MHz) :	5795.0000	Softpot Power :	14.50
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11590.0000	46.21 **	74.00	27.79
Horizontal	Peak	11590.0000	45.94 **	74.00	28.06
Vertical	Peak	17385.0000	50.22 **	68.20	17.98
Horizontal	Peak	17385.0000	51.77 **	68.20	16.43
Vertical	Peak	23180.0000	40.82 **	68.20	27.38
Horizontal	Peak	23180.0000	41.76 **	68.20	26.44
Vertical	Peak	28975.0000	42.94 **	68.20	25.26
Horizontal	Peak	28975.0000	43.41 **	68.20	24.79
Vertical	Peak	34770.0000	45.09 **	68.20	23.11
Horizontal	Peak	34770.0000	45.32 **	68.20	22.88

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

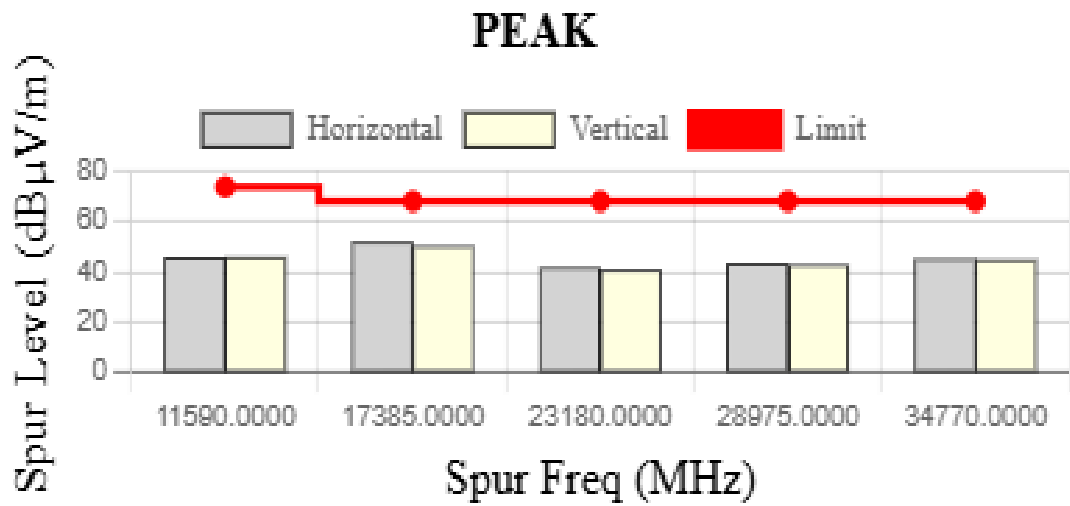
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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802.11ac(VHT80)

Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5210.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10420.0000	45.06 **	68.20	23.14
Horizontal	Peak	10420.0000	44.94 **	68.20	23.26
Vertical	Peak	15630.0000	47.49 **	74.00	26.51
Horizontal	Peak	15630.0000	47.81 **	74.00	26.19
Vertical	Peak	20840.0000	39.17 **	74.00	34.83
Horizontal	Peak	20840.0000	38.41 **	74.00	35.59
Vertical	Peak	26050.0000	41.10 **	68.20	27.10
Horizontal	Peak	26050.0000	41.36 **	68.20	26.84
Vertical	Peak	31260.0000	44.14 **	74.00	29.86
Horizontal	Peak	31260.0000	44.52 **	74.00	29.48
Vertical	Peak	36470.0000	45.99 **	74.00	28.01
Horizontal	Peak	36470.0000	45.44 **	74.00	28.56

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

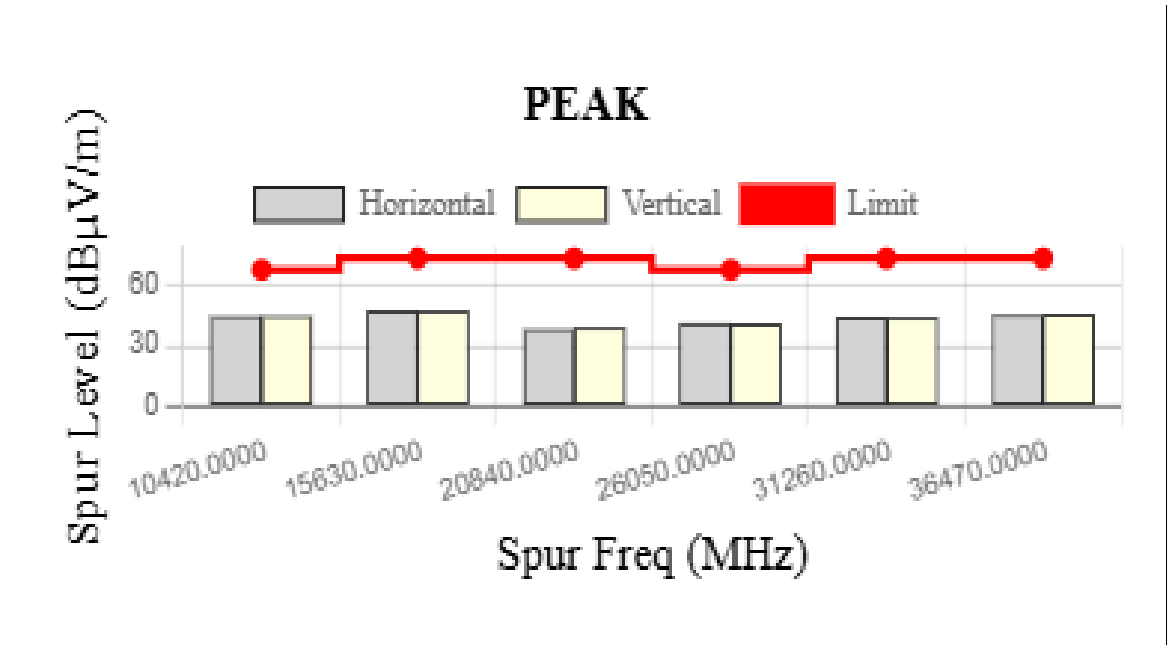
Remarks:

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NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5290.0000	Softpot Power :	12.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	10580.0000	45.93 **	68.20	22.27
Horizontal	Peak	10580.0000	46.55 **	68.20	21.65
Vertical	Peak	15870.0000	48.44 **	74.00	25.56
Horizontal	Peak	15870.0000	49.01 **	74.00	24.99
Vertical	Peak	21160.0000	39.44 **	74.00	34.56
Horizontal	Peak	21160.0000	39.11 **	74.00	34.89
Vertical	Peak	26450.0000	42.02 **	68.20	26.18
Horizontal	Peak	26450.0000	41.92 **	68.20	26.28
Vertical	Peak	31740.0000	43.84 **	74.00	30.16
Horizontal	Peak	31740.0000	43.55 **	74.00	30.45
Vertical	Peak	37030.0000	45.53 **	68.20	22.67
Horizontal	Peak	37030.0000	44.73 **	68.20	23.47

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

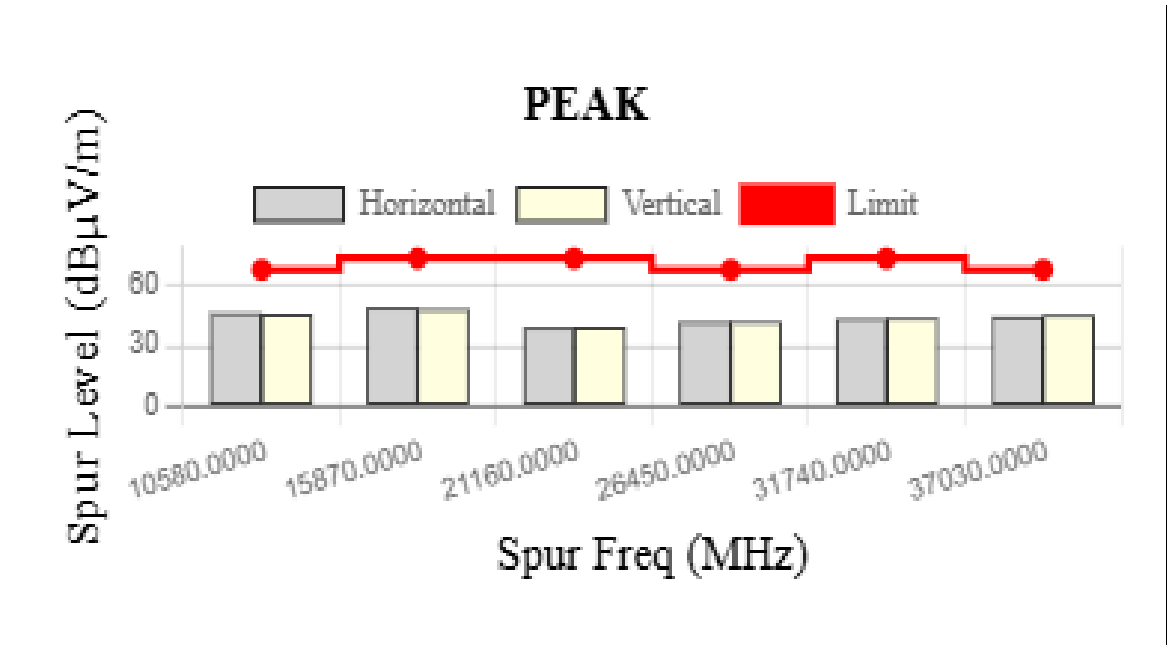
Remarks:

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NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5530.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11060.0000	45.65 **	74.00	28.35
Horizontal	Peak	11060.0000	46.08 **	74.00	27.92
Vertical	Peak	16590.0000	48.86 **	68.20	19.34
Horizontal	Peak	16590.0000	48.48 **	68.20	19.72
Vertical	Peak	22120.0000	40.69 **	74.00	33.31
Horizontal	Peak	22120.0000	40.78 **	74.00	33.22
Vertical	Peak	27650.0000	42.26 **	68.20	25.94
Horizontal	Peak	27650.0000	42.01 **	68.20	26.19
Vertical	Peak	33180.0000	43.37 **	68.20	24.83
Horizontal	Peak	33180.0000	44.30 **	68.20	23.90
Vertical	Peak	38710.0000	51.09 **	68.20	17.11
Horizontal	Peak	38710.0000	49.66 **	68.20	18.54

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

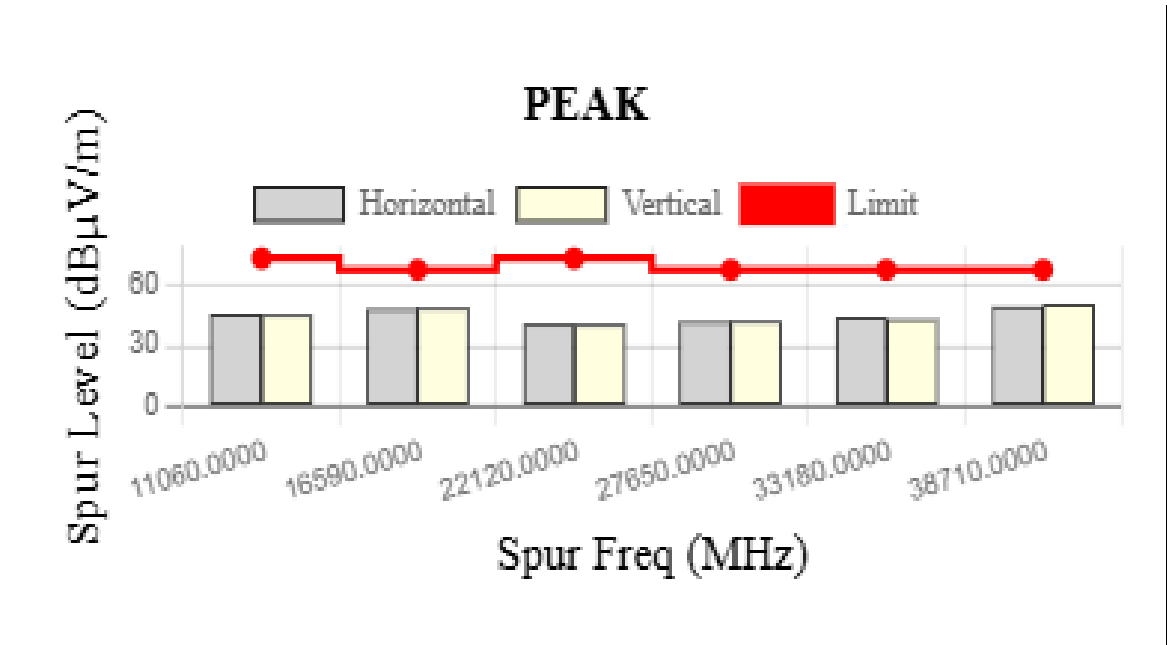
Remarks:

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NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5610.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)
Vertical	Peak	11220.0000	45.51 **	74.00	28.49
Horizontal	Peak	11220.0000	47.58 **	74.00	26.42
Vertical	Peak	16830.0000	50.19 **	68.20	18.01
Horizontal	Peak	16830.0000	50.50 **	68.20	17.70
Vertical	Peak	22440.0000	41.67 **	74.00	32.33
Horizontal	Peak	22440.0000	41.26 **	74.00	32.74
Vertical	Peak	28050.0000	41.73 **	68.20	26.47
Horizontal	Peak	28050.0000	42.90 **	68.20	25.30
Vertical	Peak	33660.0000	44.09 **	68.20	24.11
Horizontal	Peak	33660.0000	44.43 **	68.20	23.77
Vertical	Peak	39270.0000	51.19 **	68.20	17.01
Horizontal	Peak	39270.0000	50.58 **	68.20	17.62

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

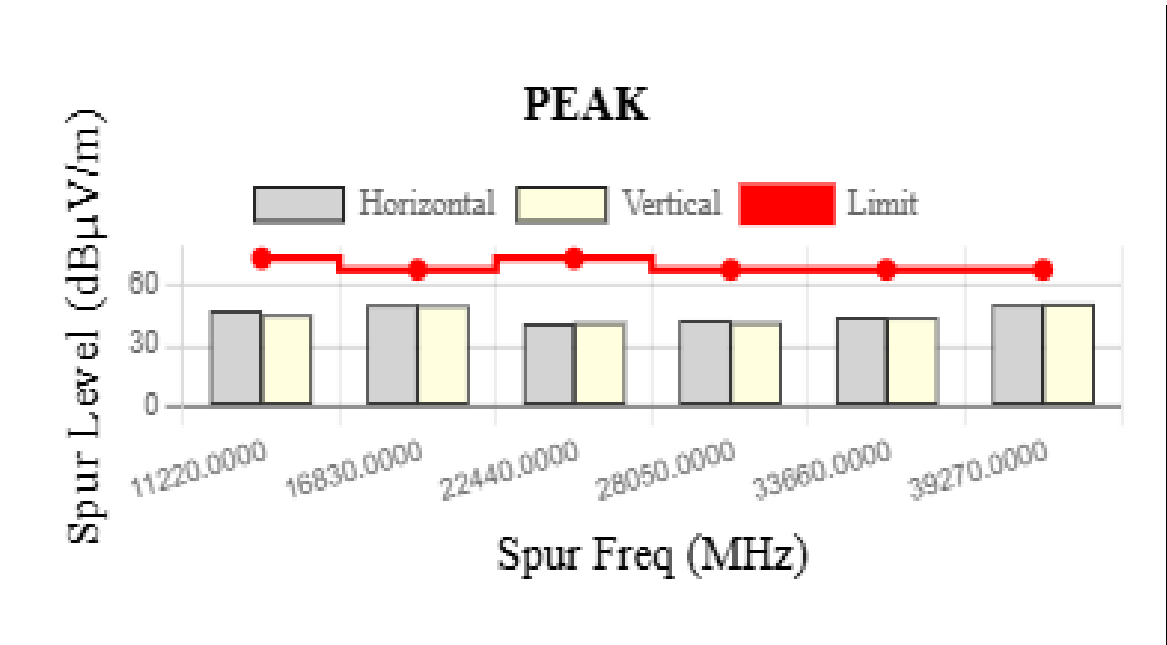
Remarks:

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5690.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11380.0000	47.31 **	74.00	26.69
Horizontal	Peak	11380.0000	46.14 **	74.00	27.86
Vertical	Peak	17070.0000	50.06 **	68.20	18.14
Horizontal	Peak	17070.0000	50.40 **	68.20	17.80
Vertical	Peak	22760.0000	42.00 **	74.00	32.00
Horizontal	Peak	22760.0000	41.68 **	74.00	32.32
Vertical	Peak	28450.0000	42.68 **	68.20	25.52
Horizontal	Peak	28450.0000	43.33 **	68.20	24.87
Vertical	Peak	34140.0000	45.67 **	68.20	22.53
Horizontal	Peak	34140.0000	44.91 **	68.20	23.29
Vertical	Peak	39830.0000	53.91 **	68.20	14.29
Horizontal	Peak	39830.0000	52.87 **	68.20	15.33

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

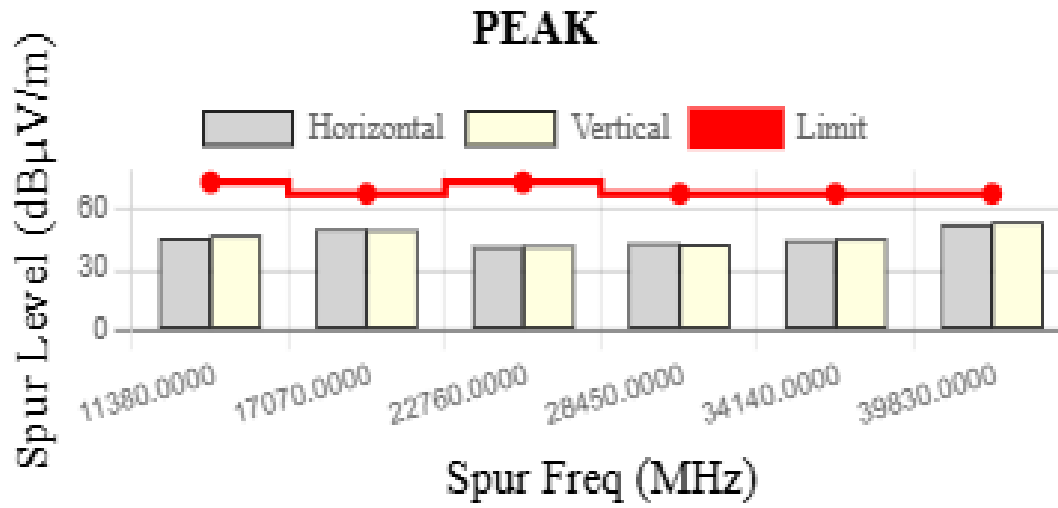
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00038

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222BY0124
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5775.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	5655.4670	51.02	68.20	17.18
Vertical	Peak	5655.7770	55.28	68.20	12.92
Vertical	Peak	11550.0000	45.12 **	74.00	28.88
Horizontal	Peak	11550.0000	45.75 **	74.00	28.25
Vertical	Peak	17325.0000	51.29 **	68.20	16.91
Horizontal	Peak	17325.0000	51.55 **	68.20	16.65
Vertical	Peak	23100.0000	41.80 **	74.00	32.20
Horizontal	Peak	23100.0000	41.27 **	74.00	32.73
Vertical	Peak	28875.0000	43.11 **	68.20	25.09
Horizontal	Peak	28875.0000	42.32 **	68.20	25.88
Vertical	Peak	34650.0000	46.67 **	68.20	21.53
Horizontal	Peak	34650.0000	46.29 **	68.20	21.91

Temperature (°C) :	23.5	Humidity (%) :	68.9
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 3 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

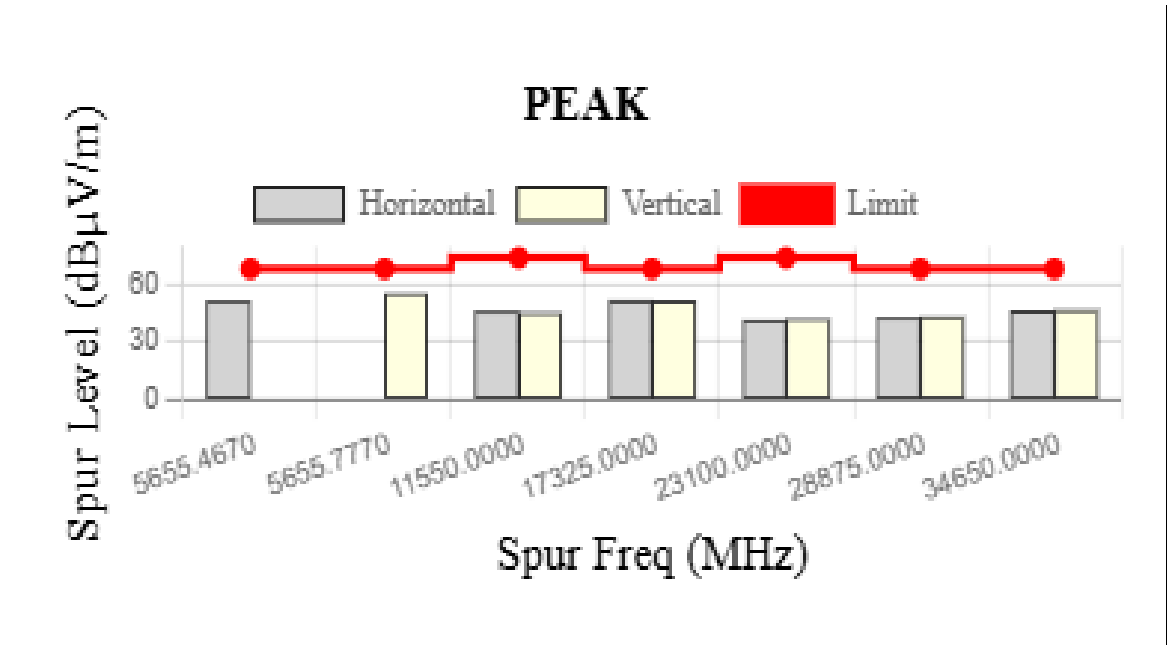
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5210.0000	Softpot Power :	13.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10420.0000	45.26 **	68.20	22.94
Horizontal	Peak	10420.0000	44.93 **	68.20	23.27
Vertical	Peak	15630.0000	47.16 **	74.00	26.84
Horizontal	Peak	15630.0000	47.26 **	74.00	26.74
Vertical	Peak	20840.0000	39.90 **	74.00	34.10
Horizontal	Peak	20840.0000	39.32 **	74.00	34.68
Vertical	Peak	26050.0000	41.57 **	68.20	26.63
Horizontal	Peak	26050.0000	41.13 **	68.20	27.07
Vertical	Peak	31260.0000	42.25 **	74.00	31.75
Horizontal	Peak	31260.0000	43.70 **	74.00	30.30
Vertical	Peak	36470.0000	45.30 **	74.00	28.70
Horizontal	Peak	36470.0000	44.00 **	74.00	30.00

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 31 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

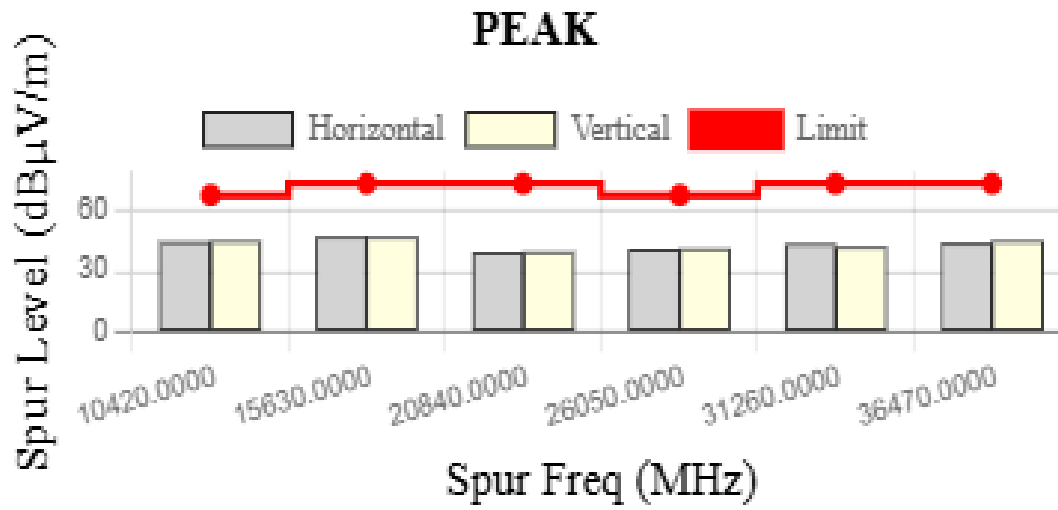
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

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NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5290.0000	Softpot Power :	12.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	10580.0000	45.59 **	68.20	22.61
Horizontal	Peak	10580.0000	45.78 **	68.20	22.42
Vertical	Peak	15870.0000	47.89 **	74.00	26.11
Horizontal	Peak	15870.0000	48.57 **	74.00	25.43
Vertical	Peak	21160.0000	38.42 **	74.00	35.58
Horizontal	Peak	21160.0000	39.59 **	74.00	34.41
Vertical	Peak	26450.0000	41.05 **	68.20	27.15
Horizontal	Peak	26450.0000	40.42 **	68.20	27.78
Vertical	Peak	31740.0000	42.33 **	74.00	31.67
Horizontal	Peak	31740.0000	42.12 **	74.00	31.88
Vertical	Peak	37030.0000	43.78 **	68.20	24.42
Horizontal	Peak	37030.0000	43.05 **	68.20	25.15

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 31 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

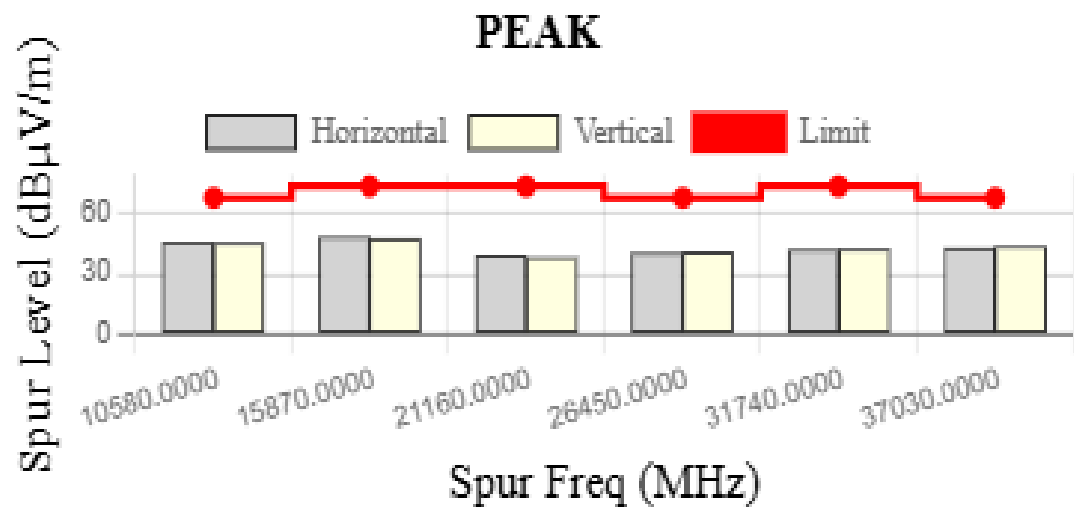
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

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- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5690.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Vertical	Peak	11380.0000	46.43 **	74.00	27.57
Horizontal	Peak	11380.0000	47.59 **	74.00	26.41
Vertical	Peak	17070.0000	50.84 **	68.20	17.36
Horizontal	Peak	17070.0000	49.88 **	68.20	18.32
Vertical	Peak	22760.0000	42.24 **	74.00	31.76
Horizontal	Peak	22760.0000	41.23 **	74.00	32.77
Vertical	Peak	28450.0000	42.34 **	68.20	25.86
Horizontal	Peak	28450.0000	42.40 **	68.20	25.80
Vertical	Peak	34140.0000	44.65 **	68.20	23.55
Horizontal	Peak	34140.0000	43.68 **	68.20	24.52
Vertical	Peak	39830.0000	54.36 **	68.20	13.84
Horizontal	Peak	39830.0000	53.13 **	68.20	15.07

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 31 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

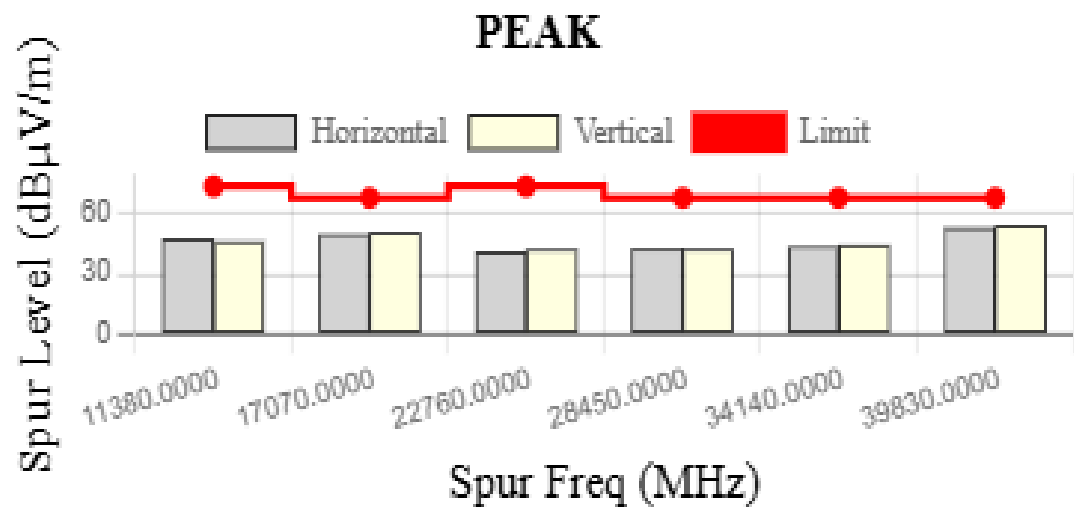
Remarks:

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*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
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Motorola Solutions

SAC TX Radiated Emission : 1490N00-EMC-00051

FCC ID :	AZ489FT7187	IC :	109U-89FT7187
Model No :	HK2300A	Serial No :	64222CA0701
Battery :	PMNN4578A	Charger :	-
Accessory :	AN000508A01		
Test Mode :	Wifi 5.0 GHz 802.11ac	Channel SP/Bandwidth (kHz) :	80000.0000
Test Frequency (MHz) :	5775.0000	Softpot Power :	15.00
Plane :	Y-Plane	Band :	-
Test Standard :	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		

Antenna Polarization	Detector	Spur Freq (MHz)	Spur Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Horizontal	Peak	5680.7800	55.13	68.20	13.07
Vertical	Peak	5681.1030	56.58	68.20	11.62
Vertical	Peak	11550.0000	46.31 **	74.00	27.69
Horizontal	Peak	11550.0000	45.70 **	74.00	28.30
Vertical	Peak	17325.0000	52.62 **	68.20	15.58
Horizontal	Peak	17325.0000	51.42 **	68.20	16.78
Vertical	Peak	23100.0000	40.33 **	74.00	33.67
Horizontal	Peak	23100.0000	39.29 **	74.00	34.71
Vertical	Peak	28875.0000	40.79 **	68.20	27.41
Horizontal	Peak	28875.0000	41.15 **	68.20	27.05
Vertical	Peak	34650.0000	45.31 **	68.20	22.89
Horizontal	Peak	34650.0000	46.33 **	68.20	21.87

Temperature (°C) :	24.6	Humidity (%) :	68.3
Test Performed by :	Nazrin & Rezza	Test Date :	Tue, 31 Mar, 2026
System MU :	6.00 dB (30MHz-1000MHz); 5.14 dB (1000MHz-18000MHz); 5.36 dB (18000MHz-40000MHz)		

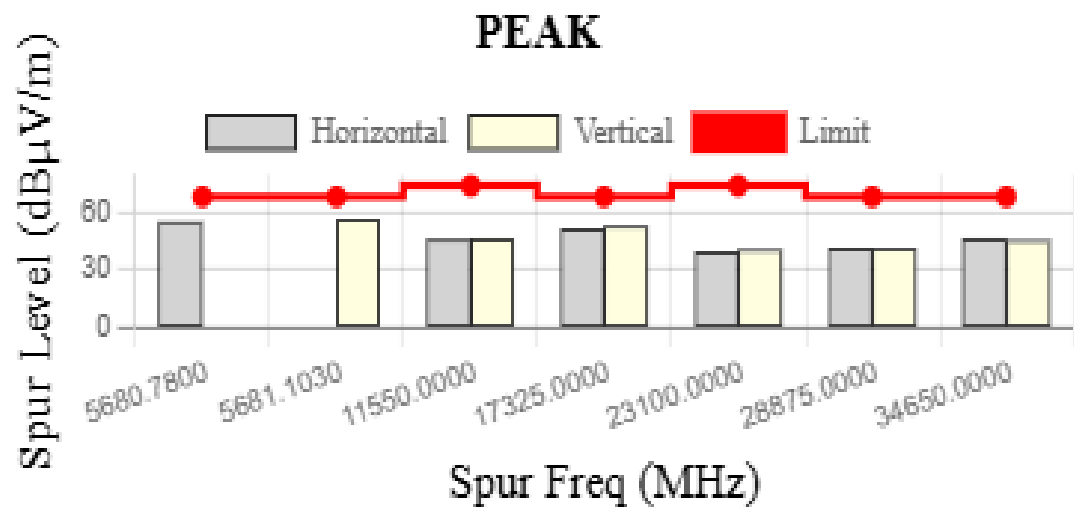
Remarks:

** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported.

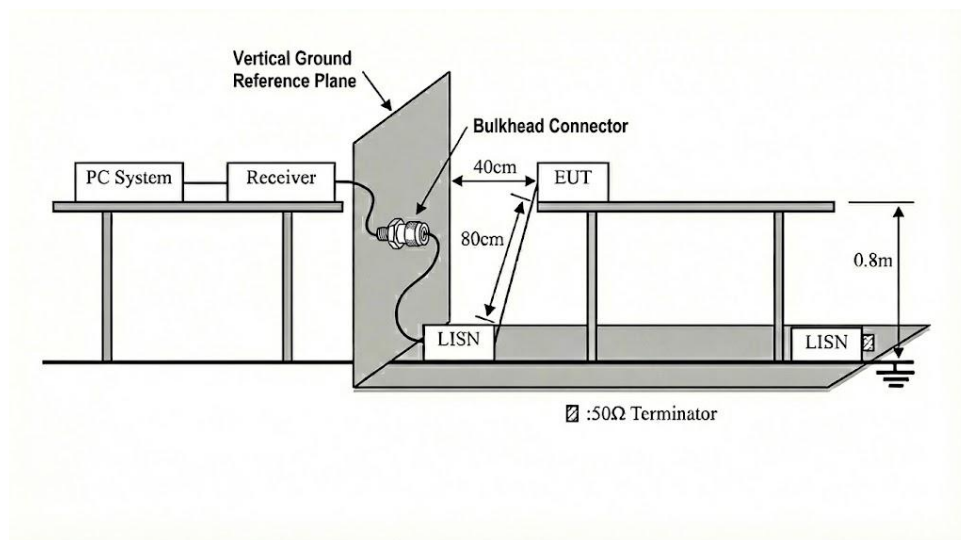
NOTE :

- 1) If the peak values is less than the QP limit, the QP result deemed to comply with QP limit.
- 2) If the peak values is less than the AV limit, the average result deemed to comply with AV limit.



7.8. AC Powerline Conducted Emission

7.8.1. Test Setup



- 1) Tests were conducted for both Receive and Transmit Mode of the EUT.
- 2) The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN) and connected to test receiver. All other EUT support units power cords were connected to the power mains through another LISN terminated with 50 ohm loads.
- 3) Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 4) The frequency range from 150 kHz to 30MHz was measured.

7.8.2. Test Limits

For AC Power Line Conducted Test Limit can be Class A or B depends on product classification.

**Limits for conducted disturbance at the mains ports
of class A ITE**

Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	79	66
0,50 to 30	73	60
NOTE The lower limit shall apply at the transition frequency.		

Table 1: Limits for Conducted Disturbance at the Mains Ports of Class A ITE.

**Limits for conducted disturbance at the mains ports
 of class B ITE**

Frequency range MHz	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

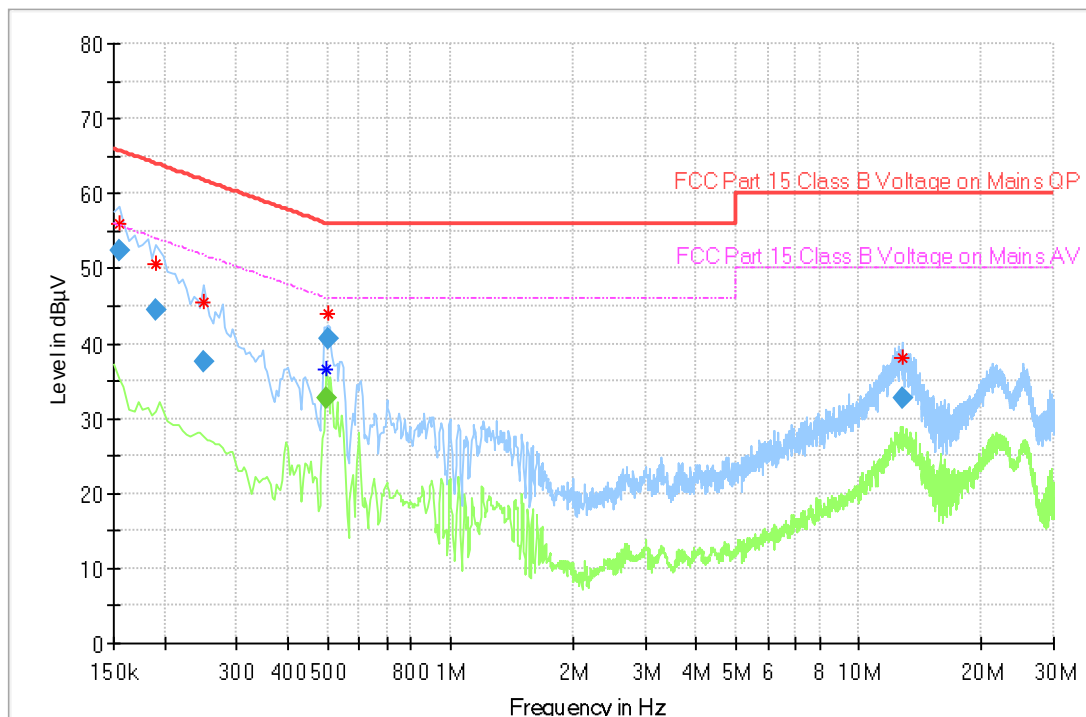
NOTE 1 The lower limit shall apply at the transition frequencies.
 NOTE 2 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.

Table 2: Limits for Conducted Disturbance at the Mains Ports of Class B ITE

7.8.3. Test Data

PSU with Radio Transmit (WIFI 5GHz, Mod: 802.11 n40)

Full Spectrum



QuasiPeak and Average Measurement

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	52.47	---	65.75	13.28	L1	ON	10.5
0.190500	44.47	---	64.02	19.55	N	ON	10.6
0.249000	37.68	---	61.79	24.11	N	ON	10.2

Report Template Document Number : FCD-0091
Report Template Revision Number : Rev. L

Report ID: 1490N00-RF-00016
FCC ID: AZ489FT7187
IC: 109U-89FT7187

0.496500	---	32.84	46.06	13.22	N	ON	10.6
0.501000	40.64	---	56.00	15.36	L1	ON	10.6
12.750000	32.67	---	60.00	27.33	L1	ON	10.4

END OF TEST REPORT