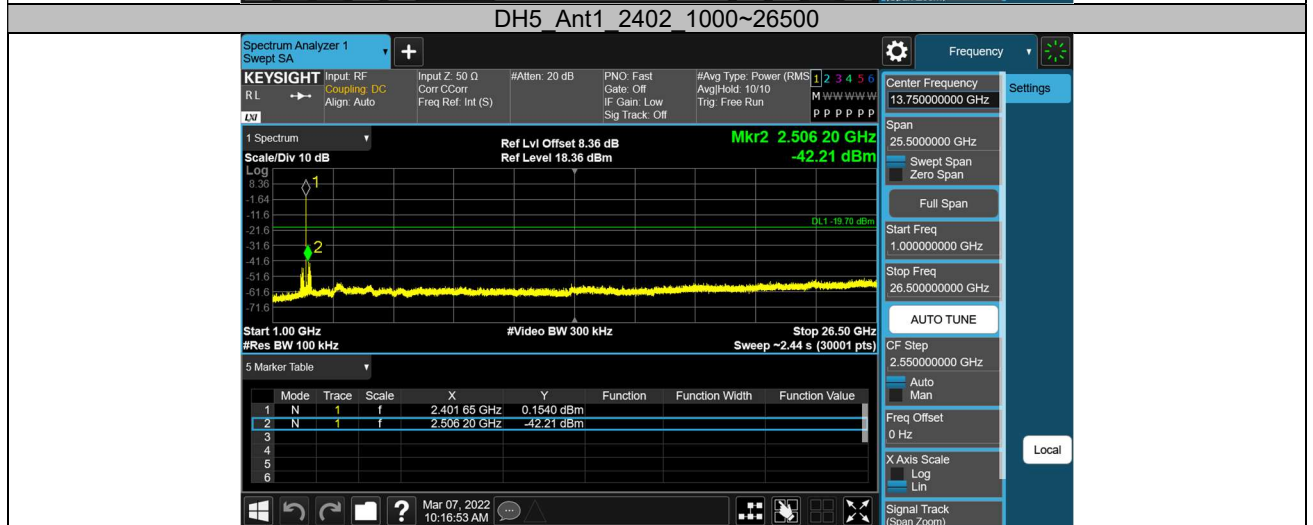
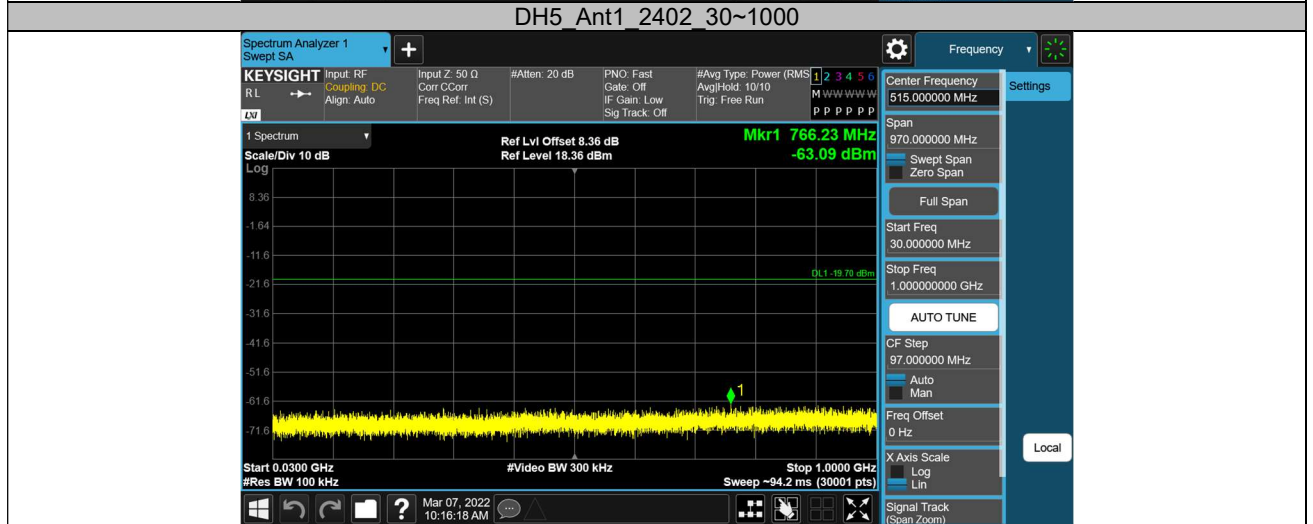
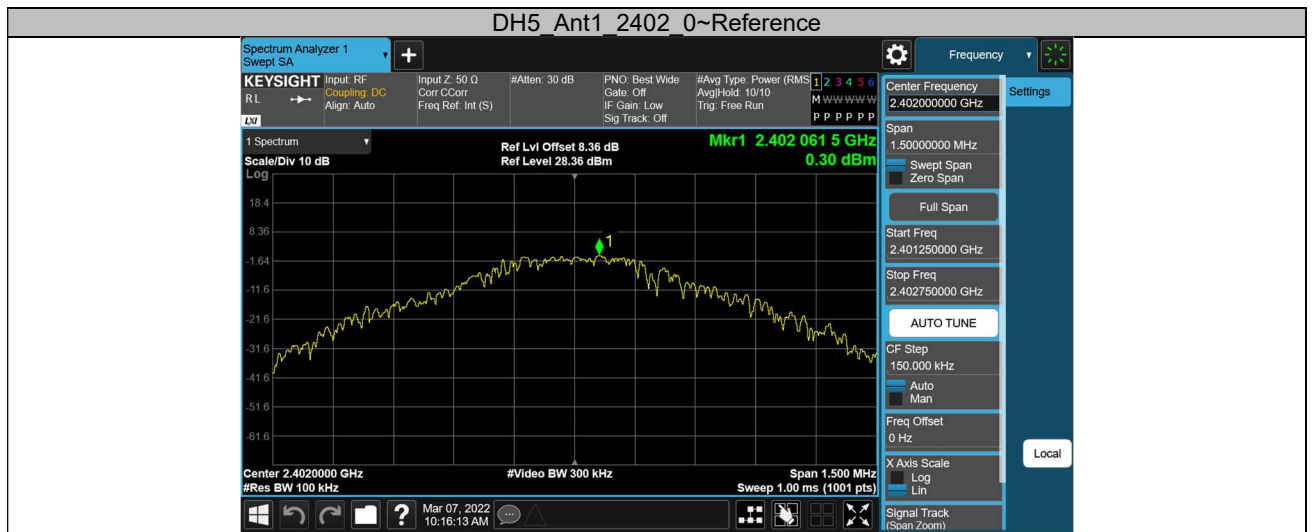
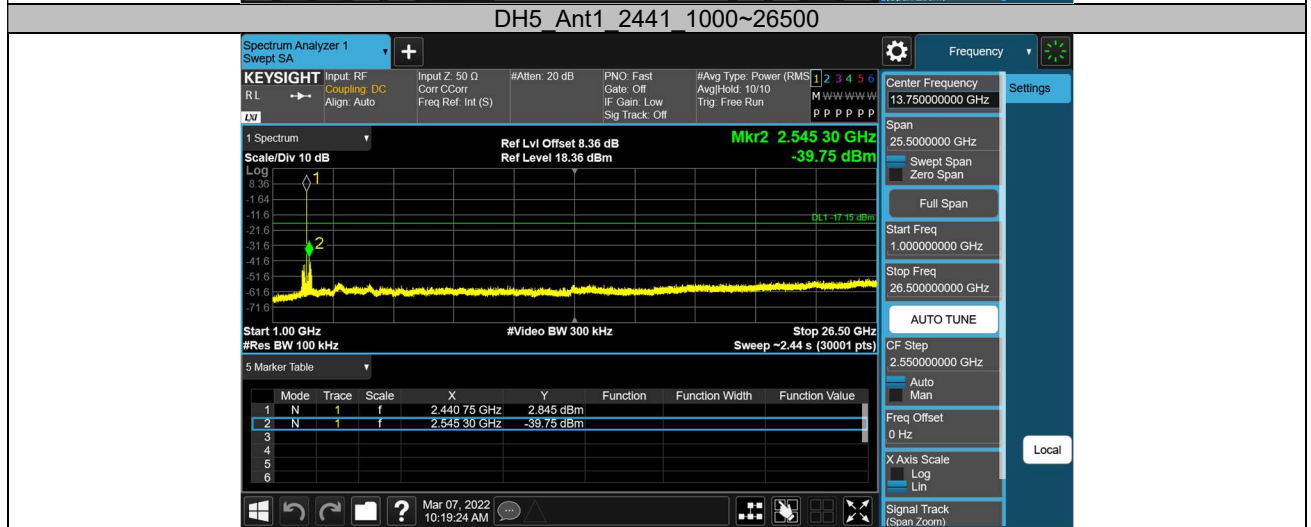
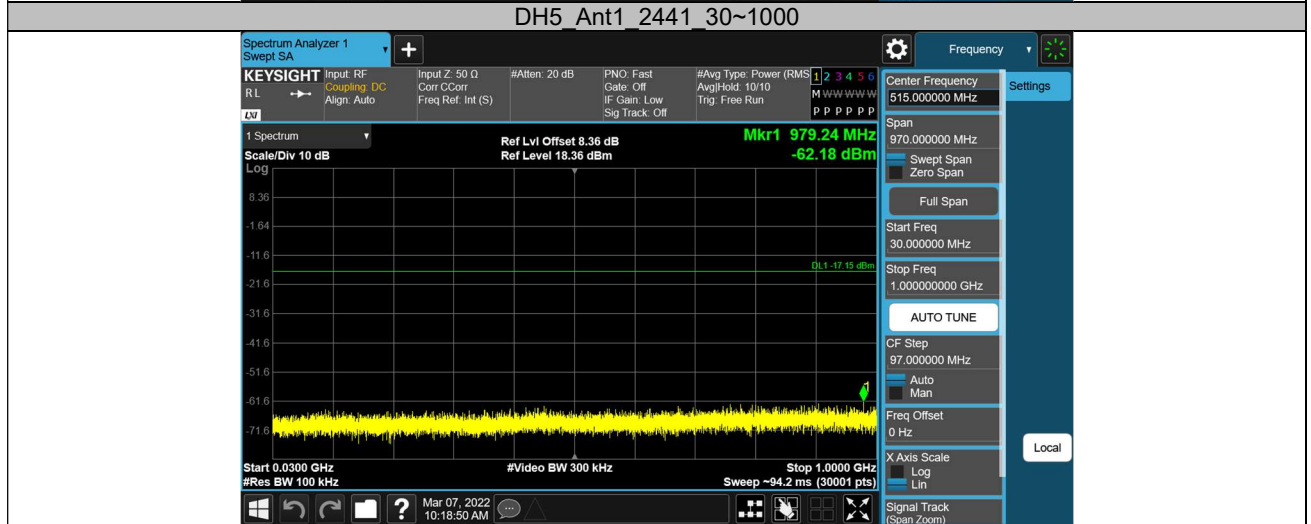


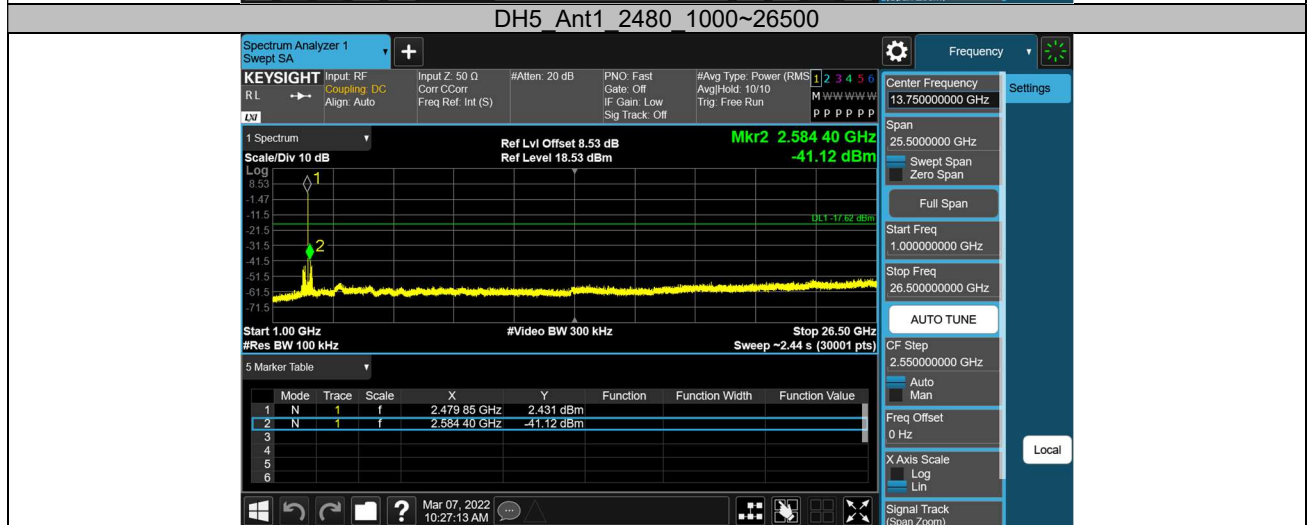
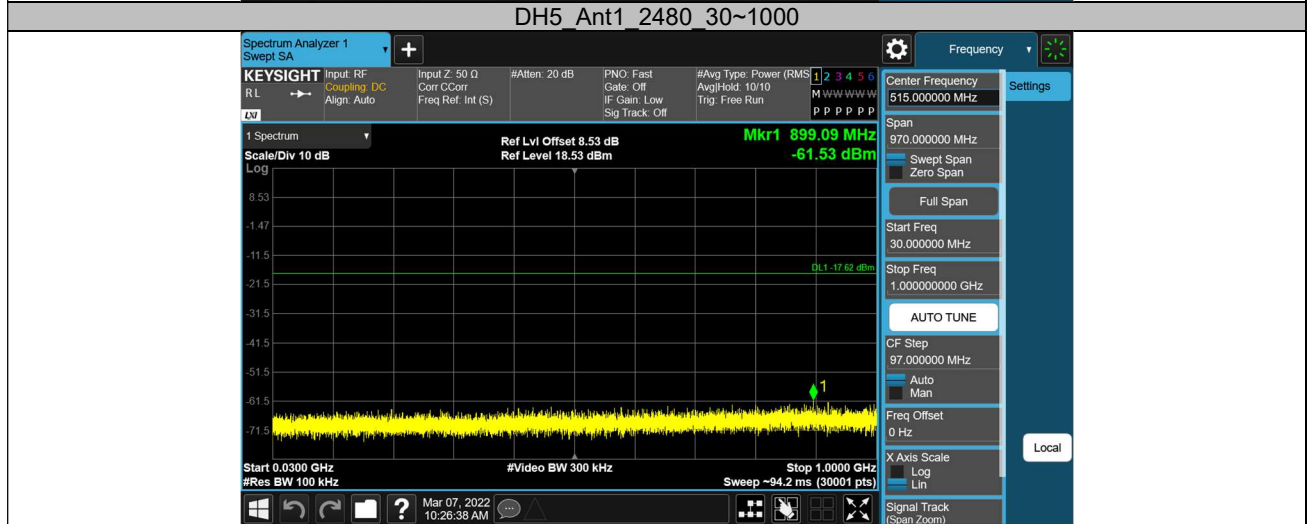
Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

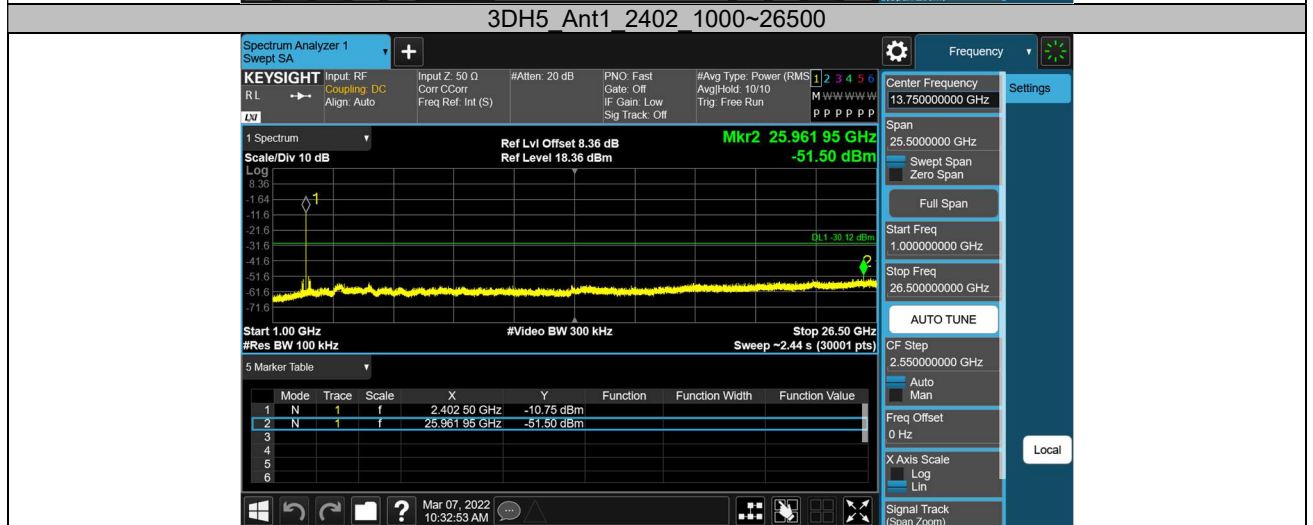
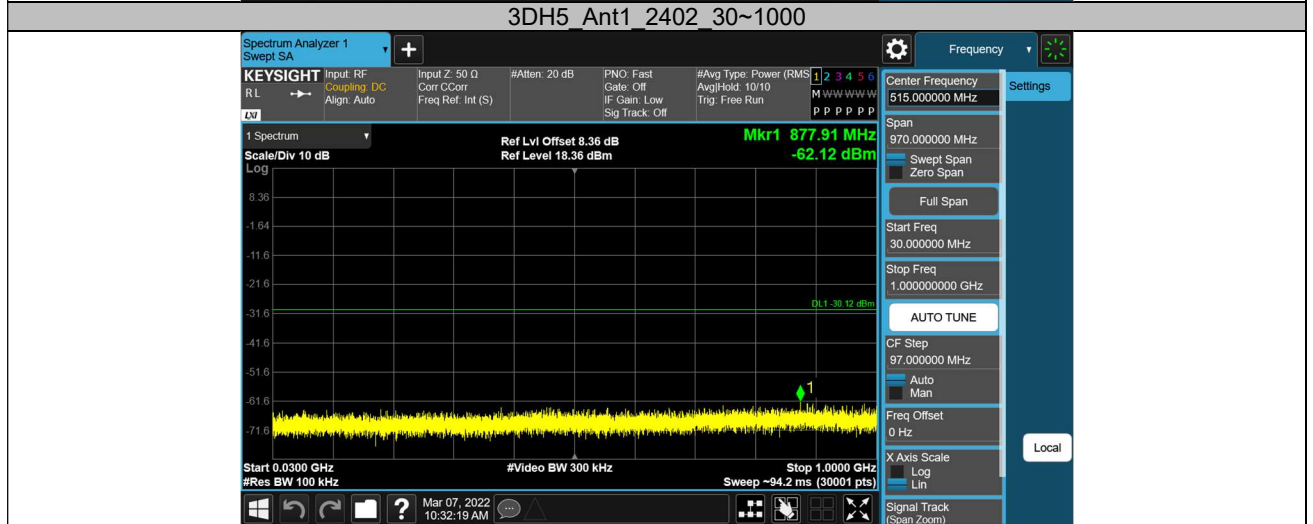
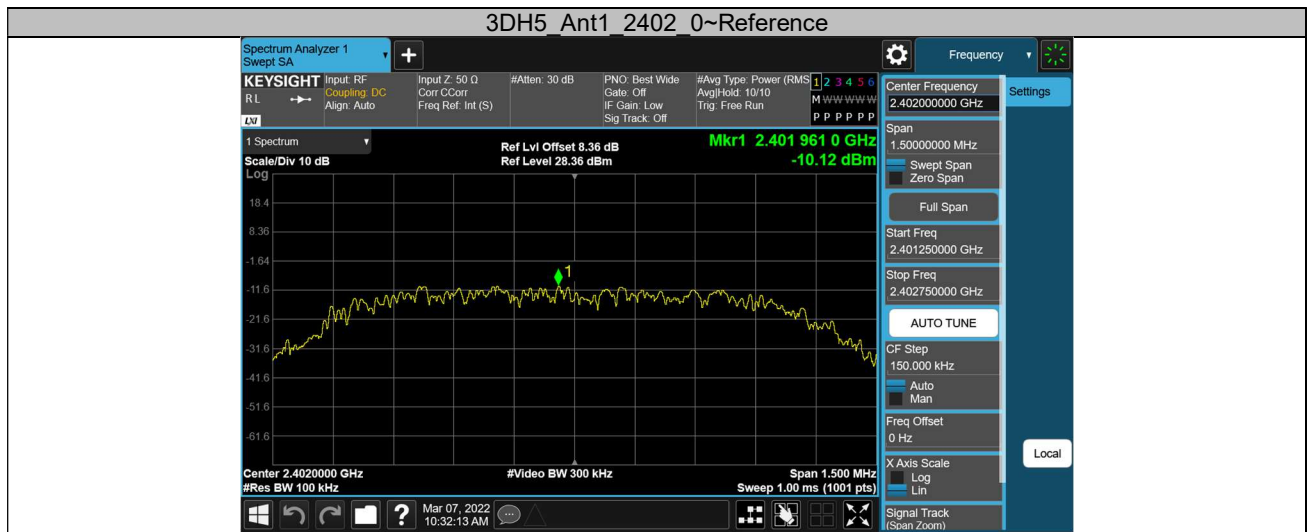
Conducted Spurious Emission

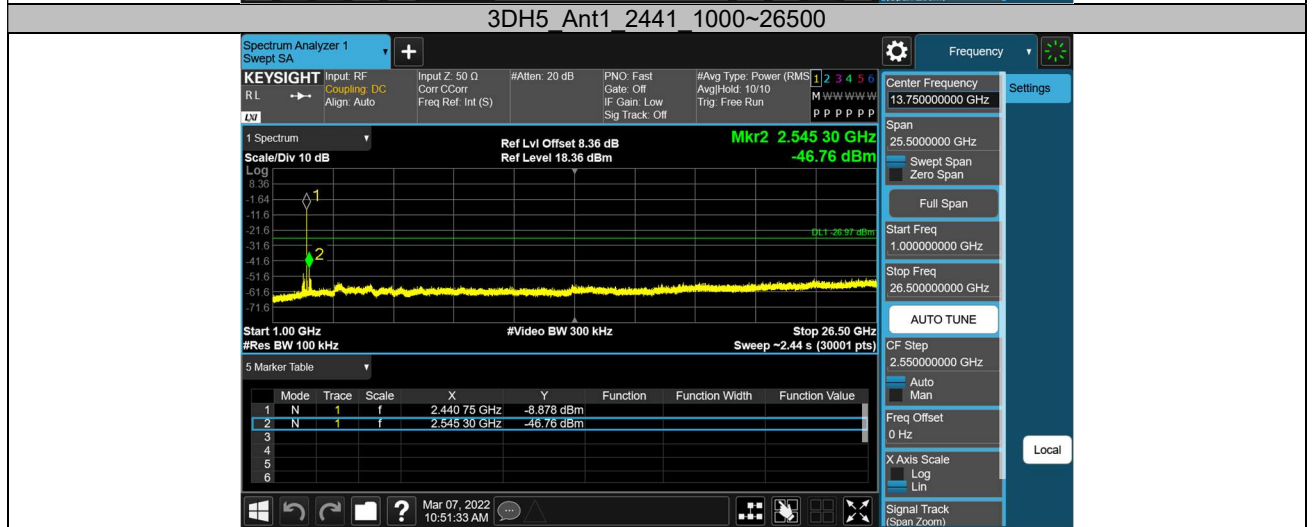
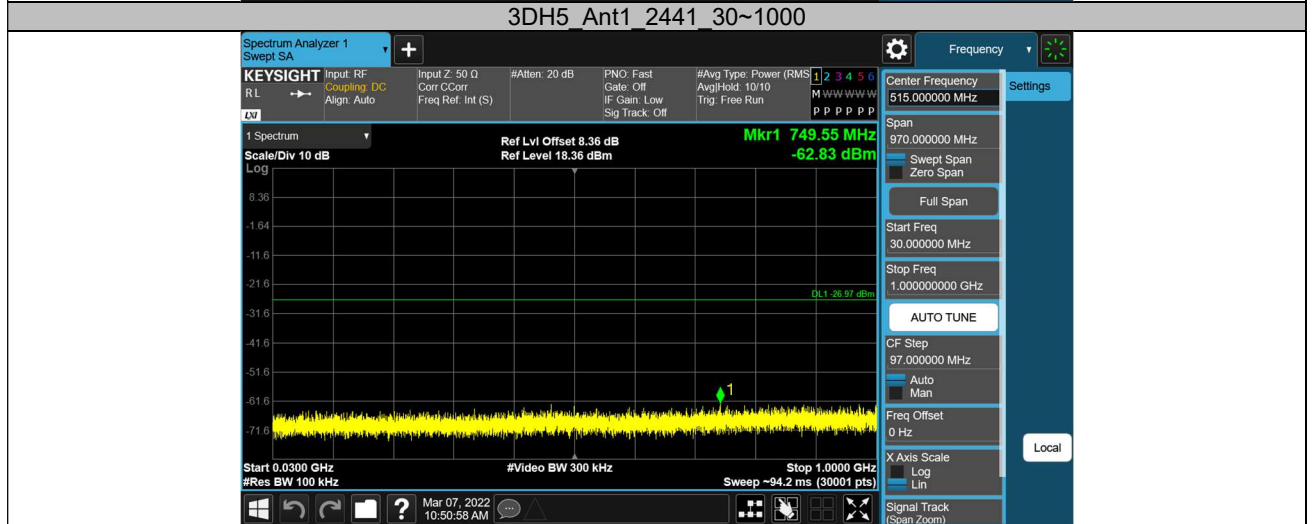
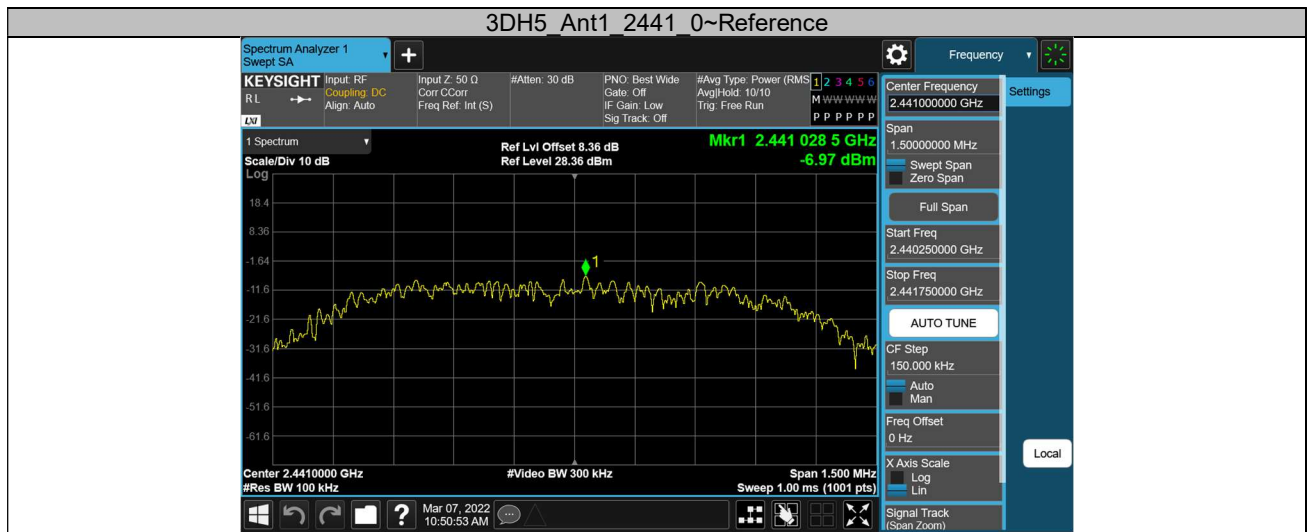
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-63.09	≤-19.7	PASS
			1000~26500	0.30	-42.21	≤-19.7	PASS
		2441	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-62.18	≤-17.15	PASS
			1000~26500	2.85	-39.75	≤-17.15	PASS
		2480	Reference	2.38	2.38	---	PASS
			30~1000	2.38	-61.53	≤-17.62	PASS
			1000~26500	2.38	-41.12	≤-17.62	PASS
3DH5	Ant1	2402	Reference	-10.12	-10.12	---	PASS
			30~1000	-10.12	-62.12	≤-30.12	PASS
			1000~26500	-10.12	-51.5	≤-30.12	PASS
		2441	Reference	-6.97	-6.97	---	PASS
			30~1000	-6.97	-62.83	≤-26.97	PASS
			1000~26500	-6.97	-46.76	≤-26.97	PASS
		2480	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-61.88	≤-24.51	PASS
			1000~26500	-4.51	-48.23	≤-24.51	PASS

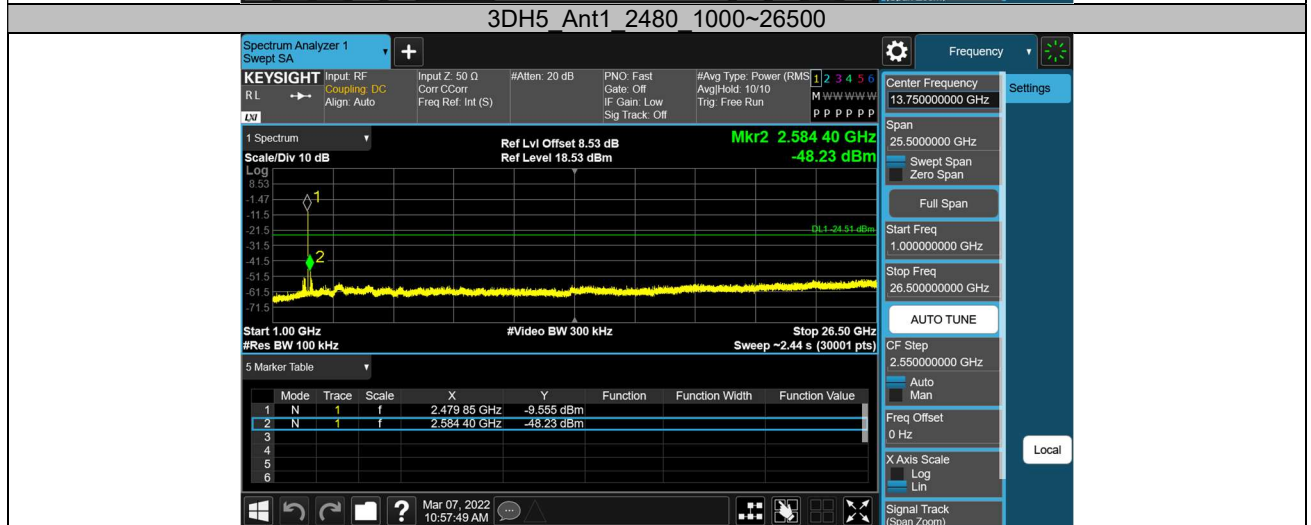
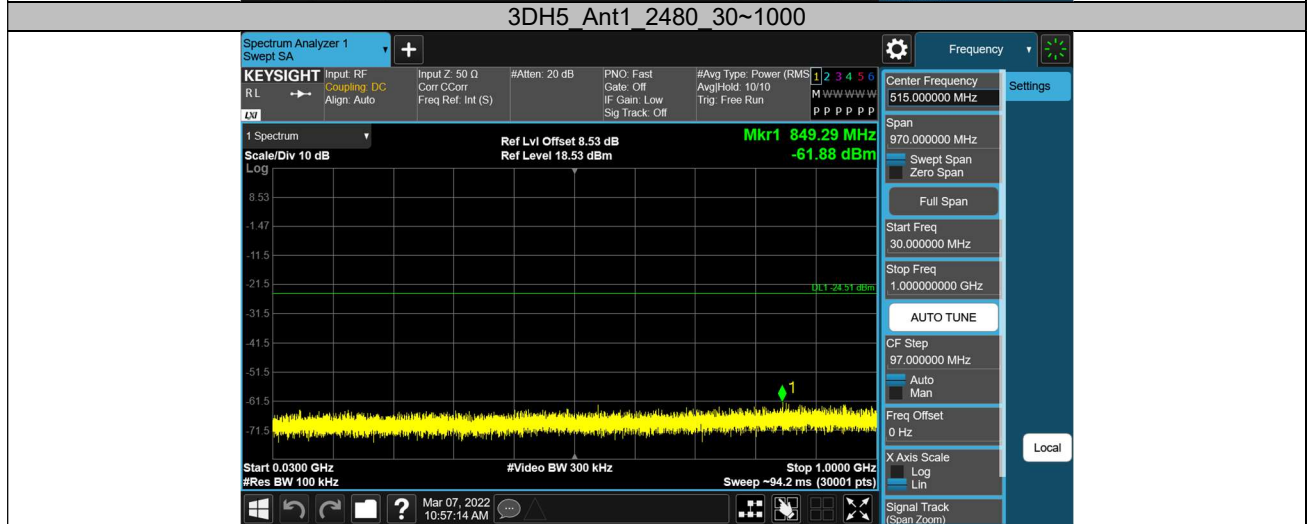








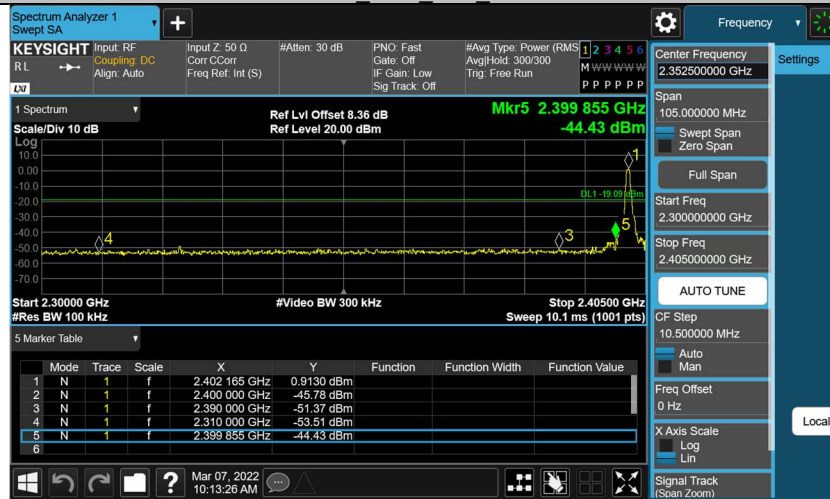




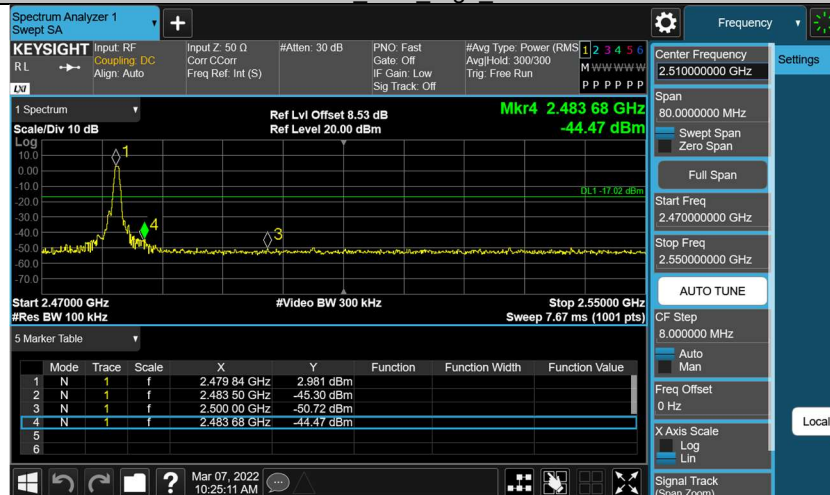
Band Edge

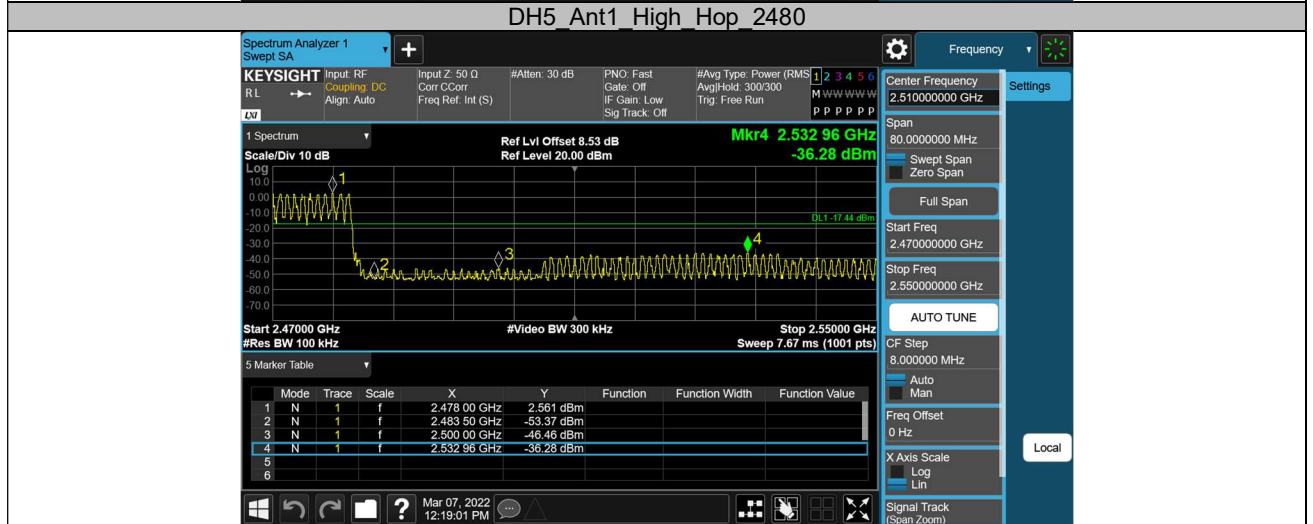
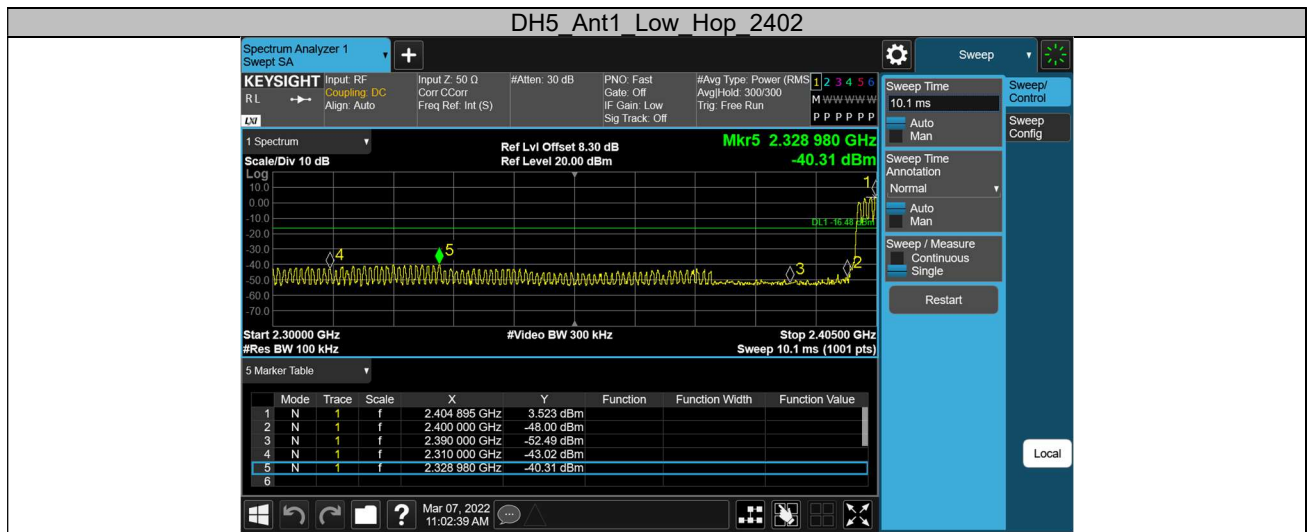
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.91	-44.43	≤-19.09	PASS
		High	2480	2.98	-44.47	≤-17.02	PASS
		Low	Hop 2402	3.52	-40.32	≤-16.48	PASS
		High	Hop 2480	2.56	-36.28	≤-17.44	PASS
3DH5	Ant1	Low	2402	-6.23	-46.16	≤-26.23	PASS
		High	2480	-4.55	-49.59	≤-24.55	PASS
		Low	Hop 2402	-7.90	-47	≤-27.9	PASS
		High	Hop 2480	-4.91	-43.19	≤-24.91	PASS

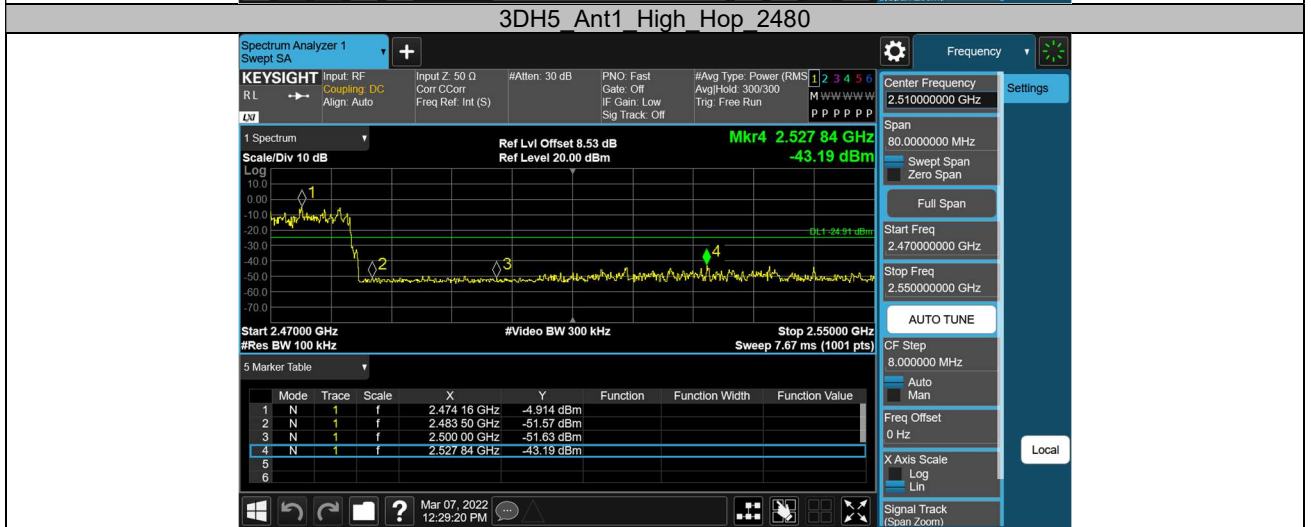
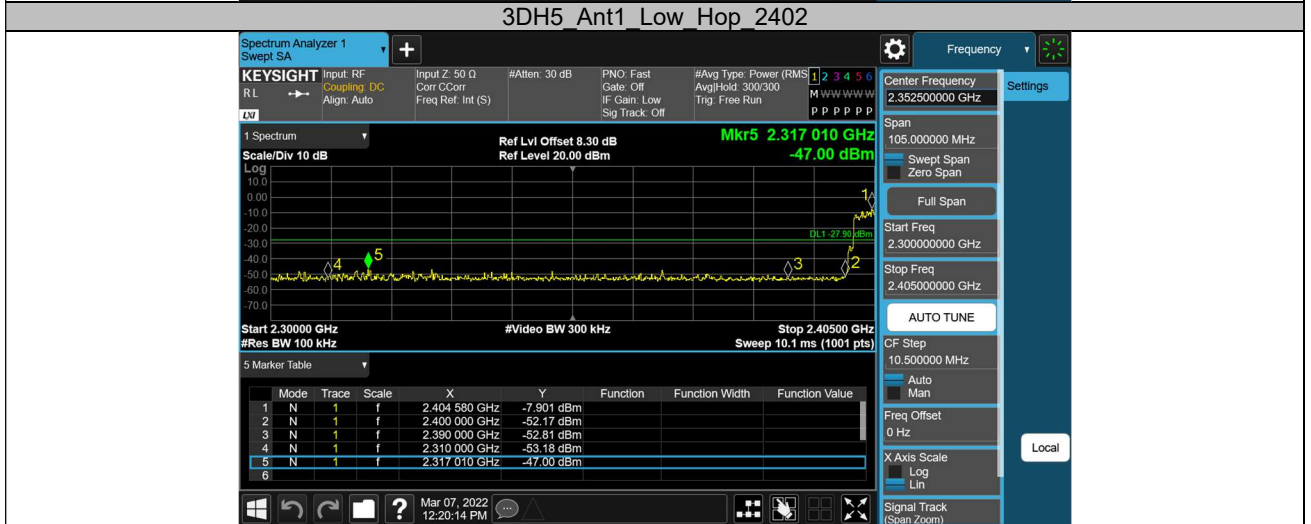
DH5 Ant1 Low 2402



DH5 Ant1 High 2480







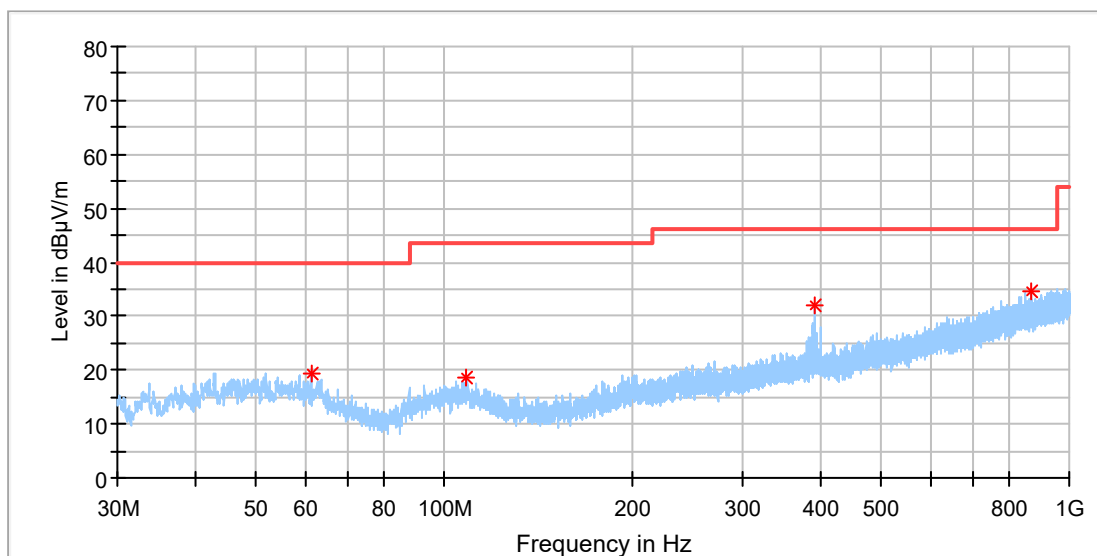
Appendix B.7: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

Bluetooth BDR/EDR 30MHz - 1GHz

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

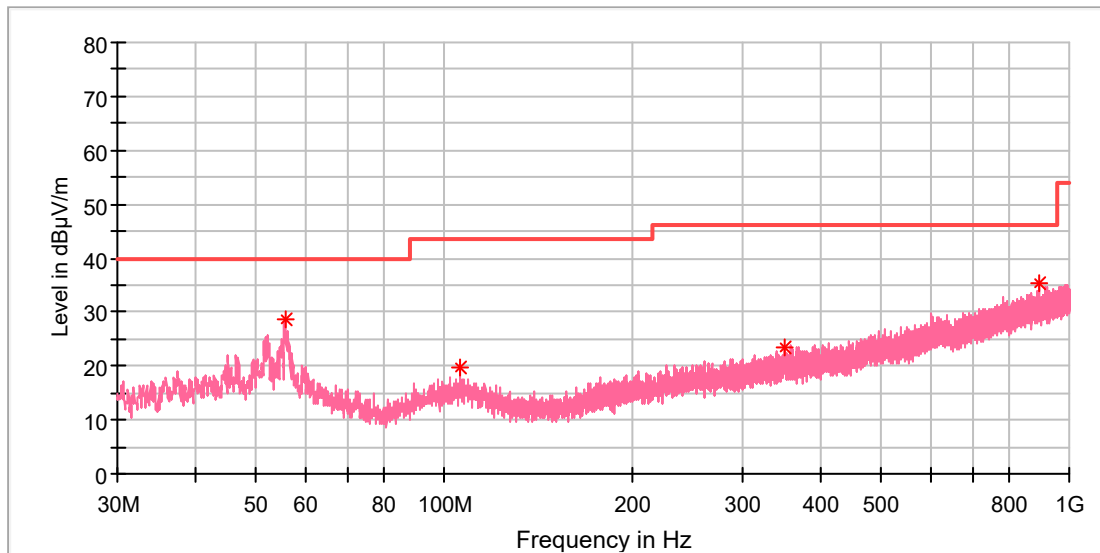
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
61.234000	19.50	40.00	20.50	100.0	H	51.0	-19.2
108.764000	18.46	43.50	25.04	100.0	H	203.0	-19.0
392.004000	31.93	46.00	14.07	100.0	H	119.0	-13.8
871.475000	34.45	46.00	11.55	100.0	H	81.0	-5.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

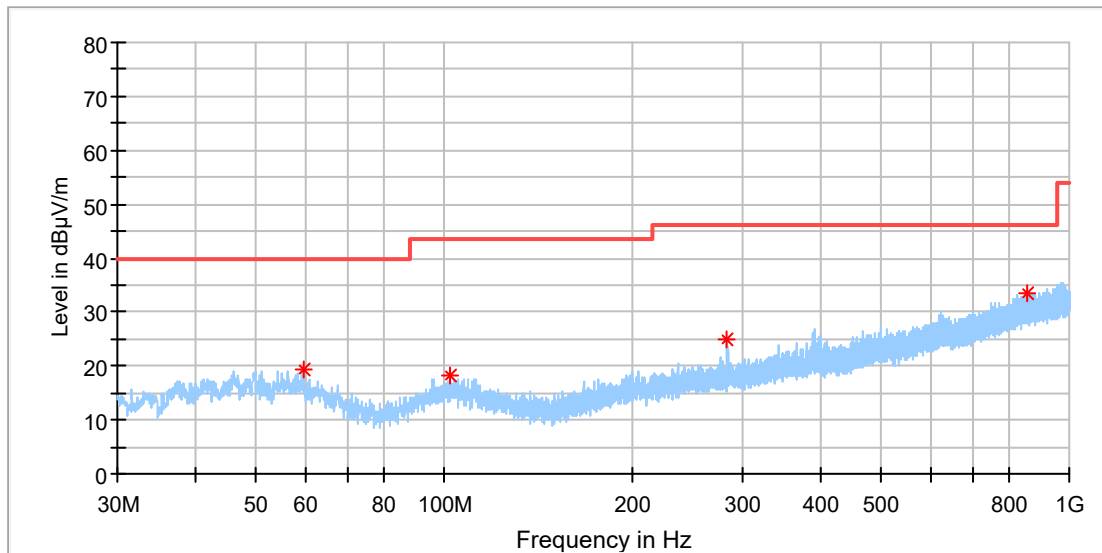
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.656500	28.65	40.00	11.35	100.0	V	0.0	-18.5
105.854000	19.56	43.50	23.94	100.0	V	141.0	-18.8
351.167000	23.52	46.00	22.48	100.0	V	325.0	-14.8
898.295500	35.41	46.00	10.59	100.0	V	249.0	-5.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

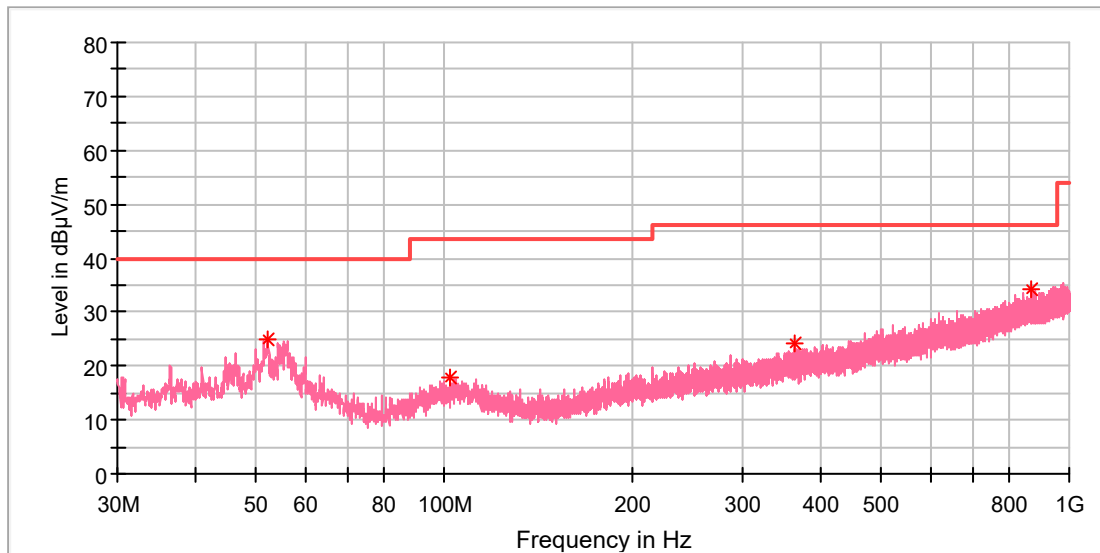
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.682000	19.51	40.00	20.49	100.0	H	108.0	-18.9
102.265000	18.25	43.50	25.25	100.0	H	60.0	-18.9
283.994500	24.99	46.00	21.01	100.0	H	114.0	-16.6
854.839500	33.42	46.00	12.58	100.0	H	182.0	-5.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.310000	24.80	40.00	15.20	100.0	V	74.0	-18.4
102.459000	17.71	43.50	25.79	100.0	V	25.0	-18.9
364.504500	24.31	46.00	21.69	100.0	V	0.0	-14.6
869.680500	34.40	46.00	11.60	100.0	V	110.0	-5.2

Final Result

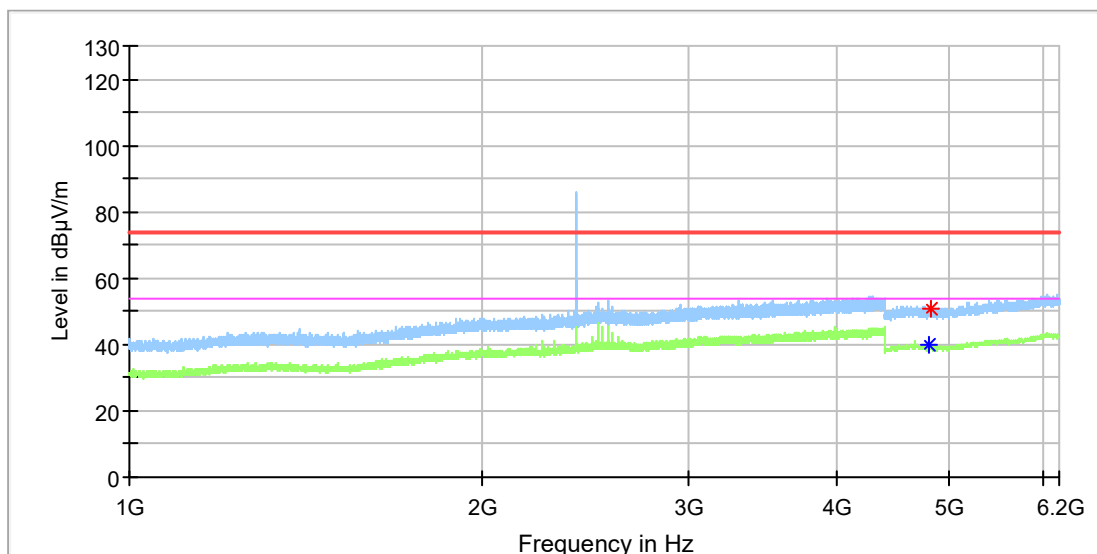
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Bluetooth BDR/EDR 1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

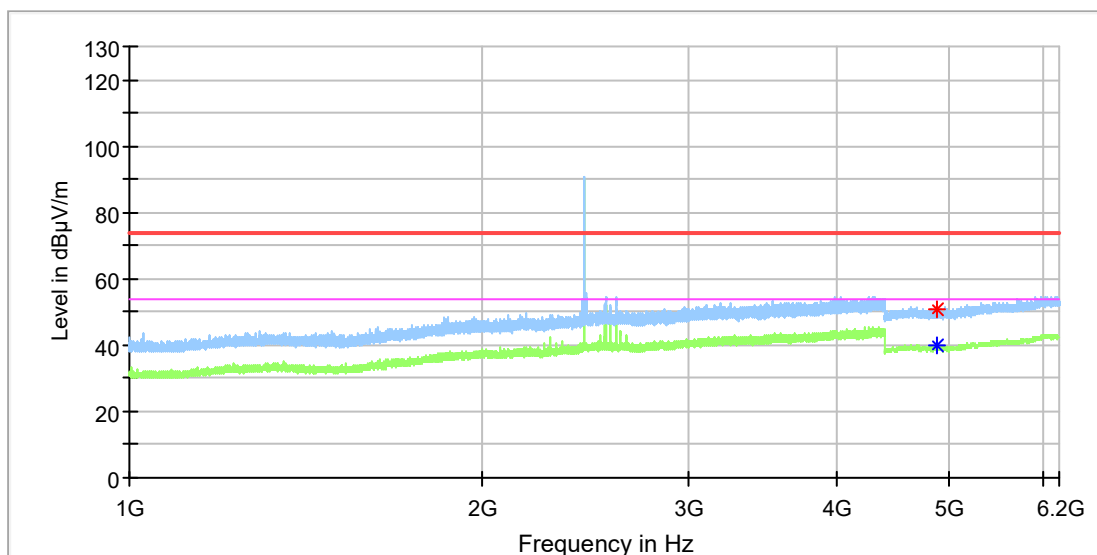
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	39.80	54.00	14.20	100.0	H	286.0	11.8
4820.500000	50.83	---	74.00	23.17	100.0	H	100.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4877.500000	51.07	---	74.00	22.93	100.0	H	212.0	11.8
4881.500000	---	39.74	54.00	14.26	100.0	H	250.0	11.8

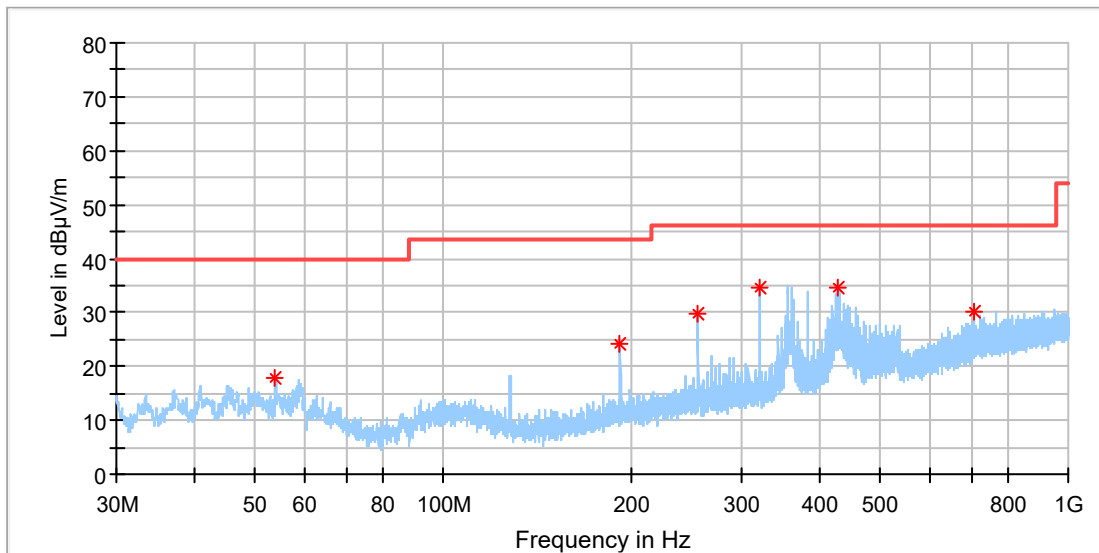
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Bluetooth BDR/EDR+2.4G WIFI 30MHz - 1GHz

EUT Information

EUT Name:	AUTOMOTIVE DIAGNOSTIS & ANALYSIS SYSTEM
Model:	MS906BT
Test Mode:	BT+WIFI
Order No/Sample No:	168345062/A003241091-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

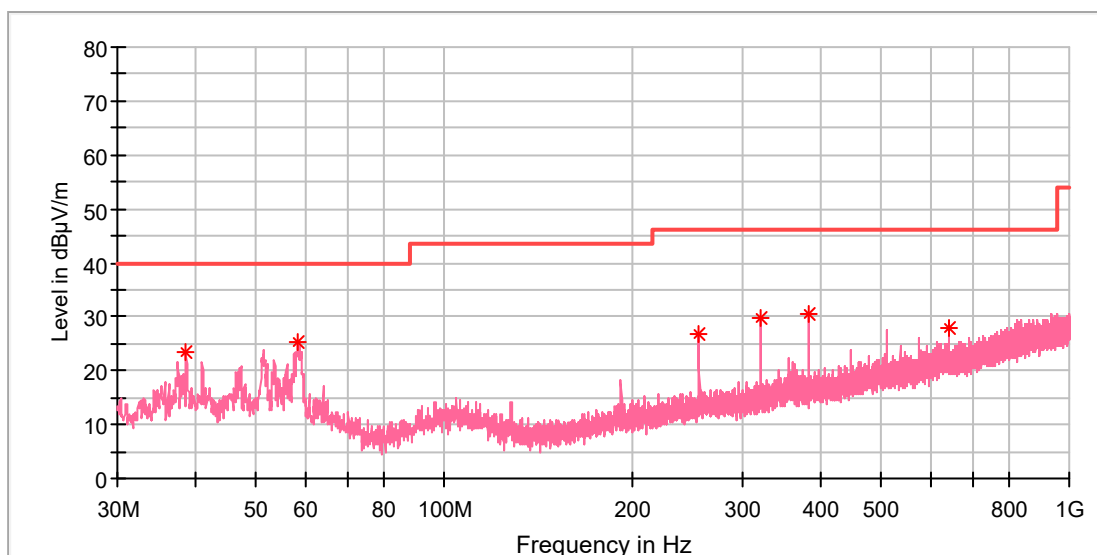
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.910500	18.03	40.00	21.97	100.0	H	276.0	-18.4
191.990000	24.10	43.50	19.40	100.0	H	129.0	-19.4
256.010000	29.90	46.00	16.10	100.0	H	108.0	-17.1
320.030000	34.78	46.00	11.22	100.0	H	122.0	-15.8
427.991000	34.62	46.00	11.38	100.0	H	331.0	-13.3
707.496500	30.15	46.00	15.85	100.0	H	291.0	-7.9

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	AUTOMOTIVE DIAGNOSTIS & ANALYSIS SYSTEM
Model:	MS906BT
Test Mode:	BT+WIFI
Order No/Sample No:	168345062/A003241091-001
Test Voltage:::	Battery
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.633000	23.44	40.00	16.56	100.0	V	224.0	-20.6
58.372500	25.40	40.00	14.60	100.0	V	239.0	-18.8
256.010000	26.66	46.00	19.34	100.0	V	246.0	-17.1
320.030000	29.84	46.00	16.16	100.0	V	252.0	-15.8
384.001500	30.58	46.00	15.42	100.0	V	160.0	-14.1
639.984500	27.80	46.00	18.20	100.0	V	189.0	-9.3

Final Result

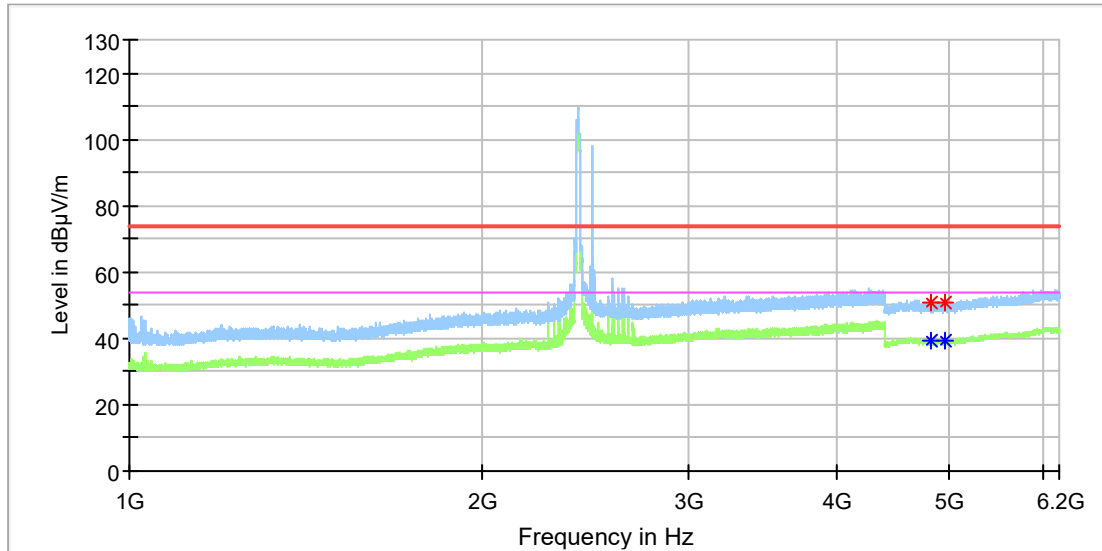
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Bluetooth BDR/EDR+2.4G WIFI 1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	AUTOMOTIVE DIAGNOSTIS & ANALYSIS SYSTEM
Model:	MS906BT
Test Mode:	BT+WIFI
Order No/Sample No:	168345062/A003241091-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4819.000000	---	39.22	54.00	14.78	100.0	H	228.0	11.8
4822.000000	50.58	---	74.00	23.42	100.0	H	192.0	11.8
4957.500000	50.80	---	74.00	23.20	100.0	H	39.0	11.8
4959.000000	---	39.56	54.00	14.44	100.0	H	271.0	11.8

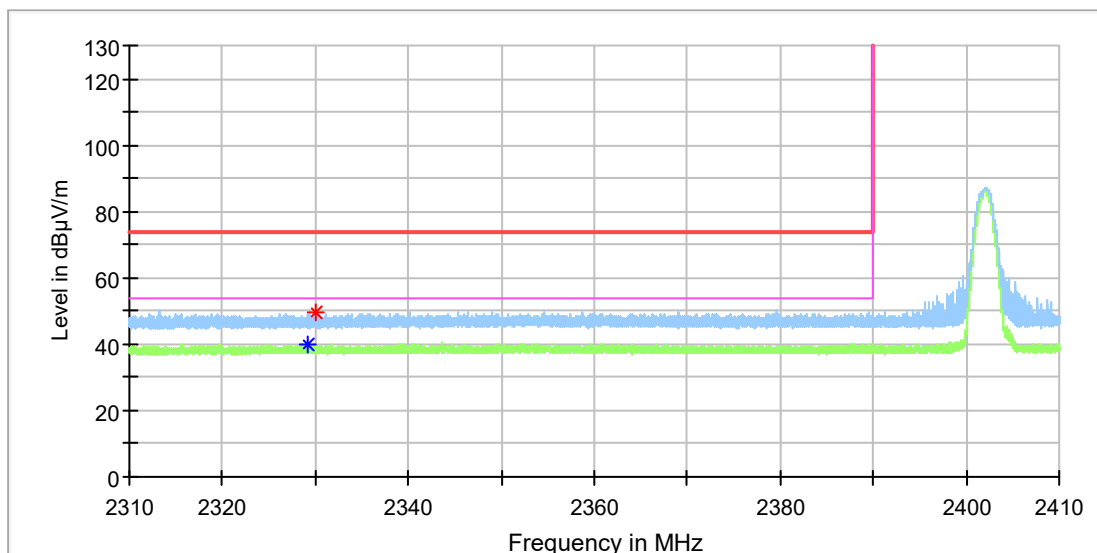
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

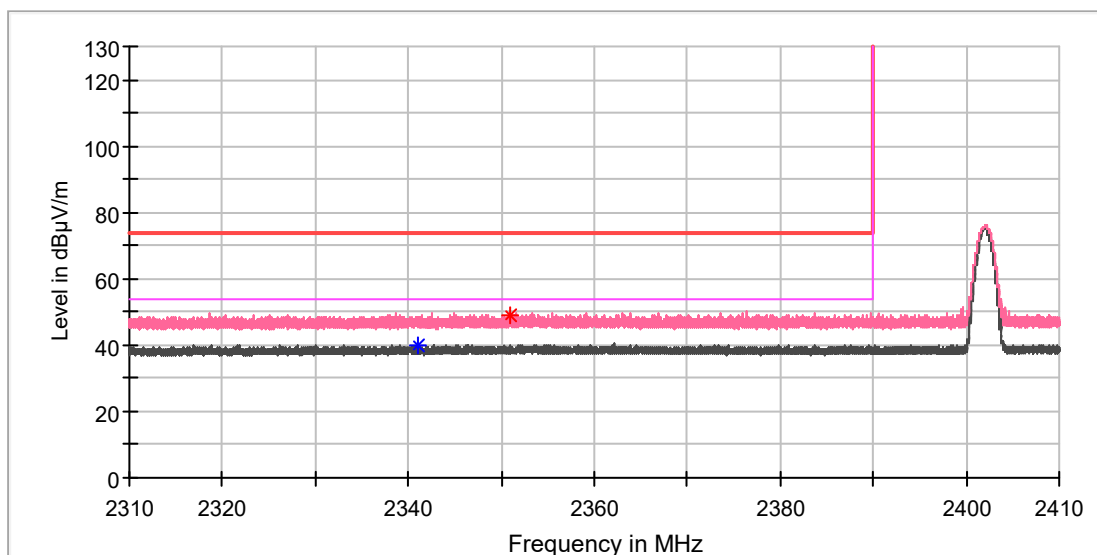
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2329.195000	---	39.62	54.00	14.38	100.0	H	262.0	6.7
2330.095000	49.28	---	74.00	24.72	100.0	H	349.0	6.7

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	ADVANCED DIAGNOSTIC & INFORMATION SYSTEM
Model:	MaxiCOM MK906BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168345062/A003241091-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2341.135000	---	39.90	54.00	14.10	100.0	V	105.0	6.8
2350.920000	49.28	---	74.00	24.72	100.0	V	53.0	6.9

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

