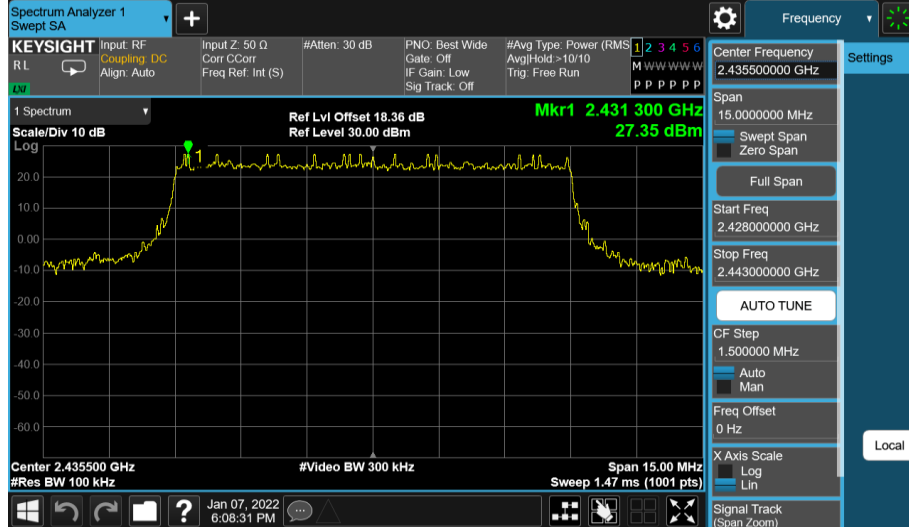
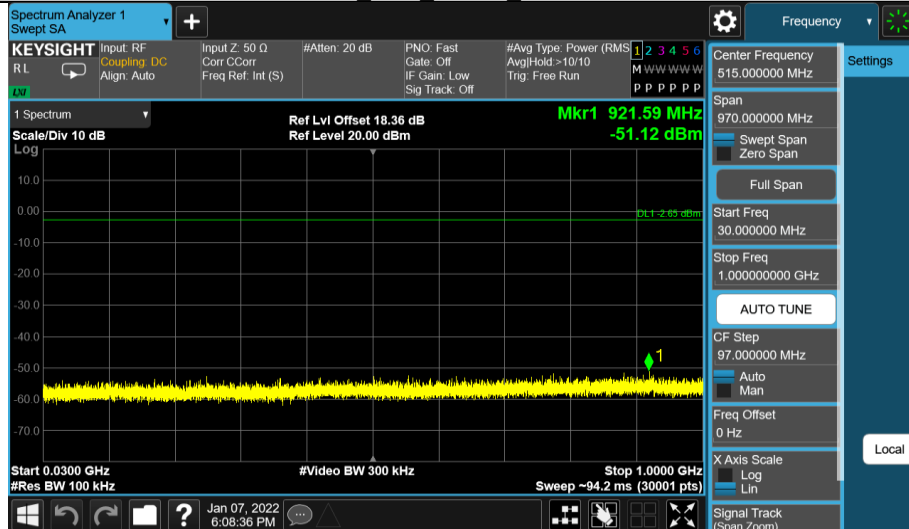


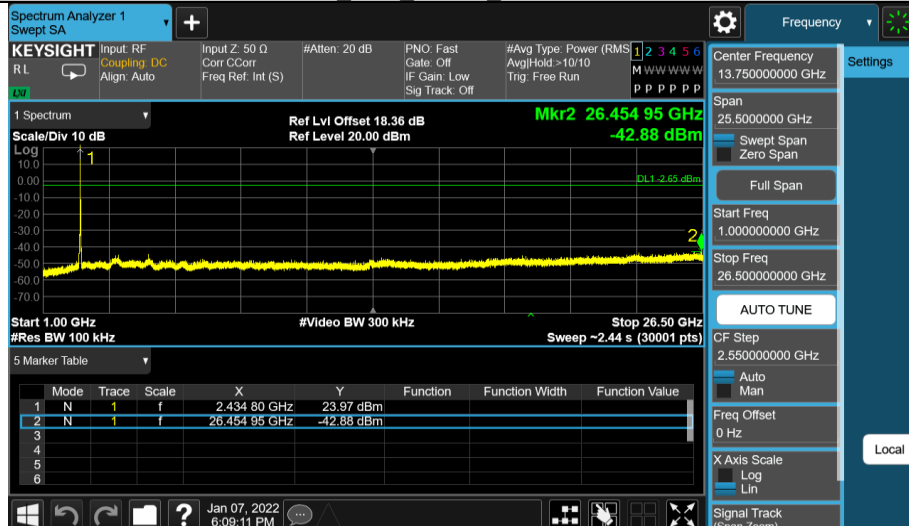
10M Ant1 2435.5 0~Reference



10M Ant1 2435.5 30~1000



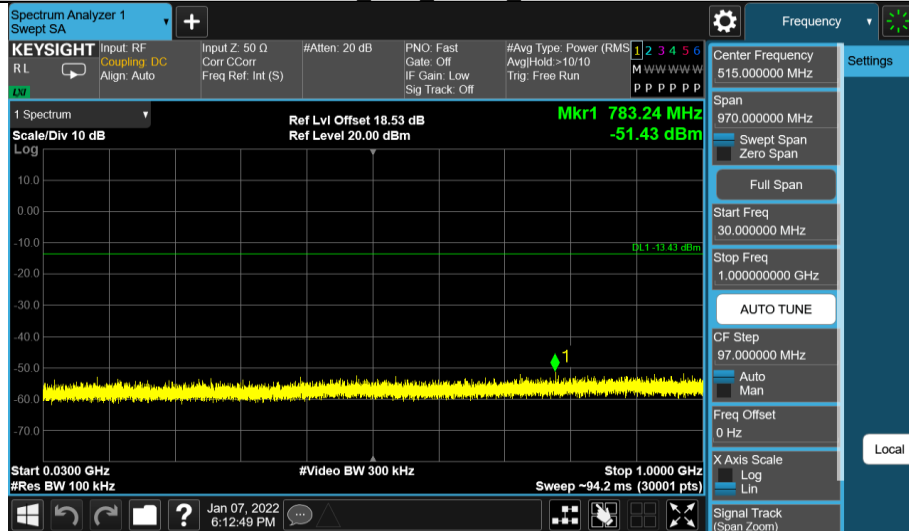
10M Ant1 2435.5 1000~26500



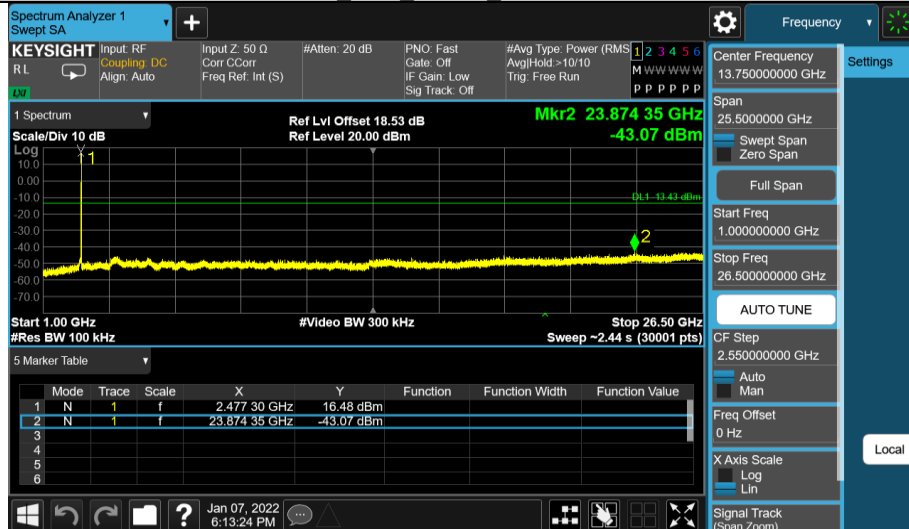
10M Ant1 2475.5 0~Reference



10M Ant1 2475.5 30~1000

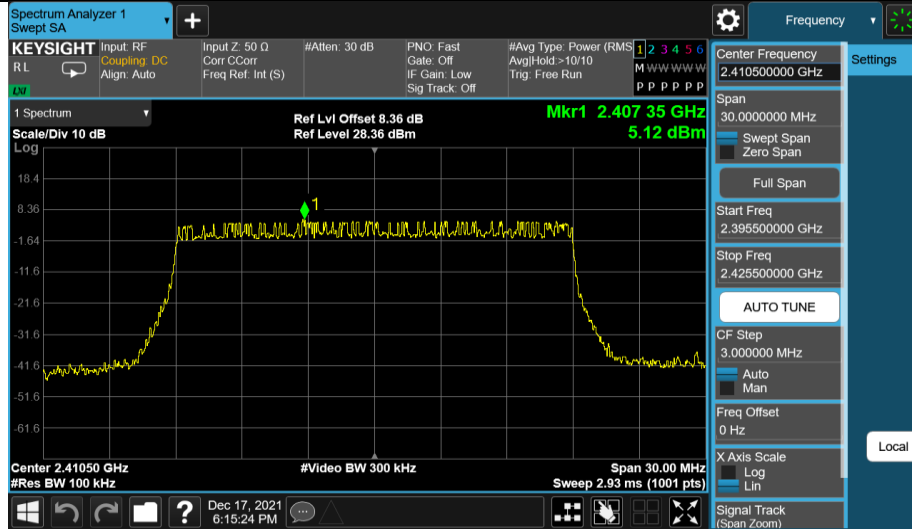


10M Ant1 2475.5 1000~26500

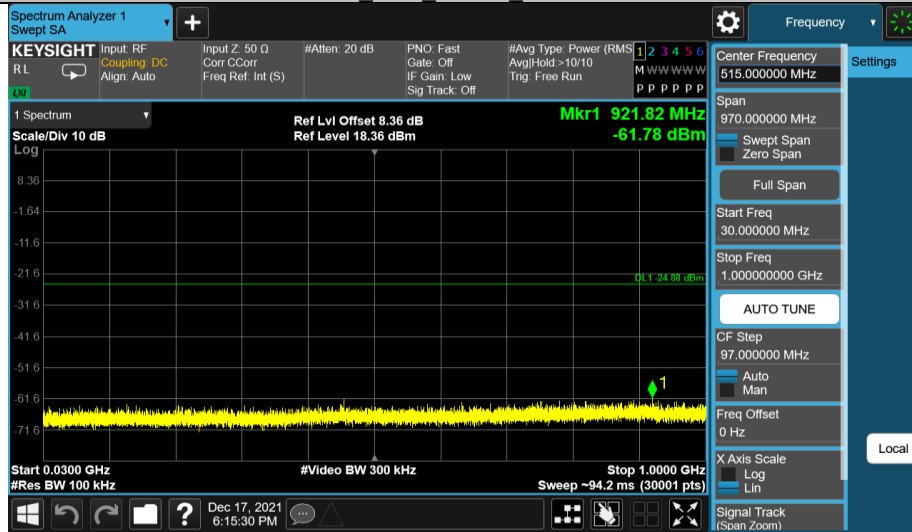


2.4GHz SDR, 20MHz BW

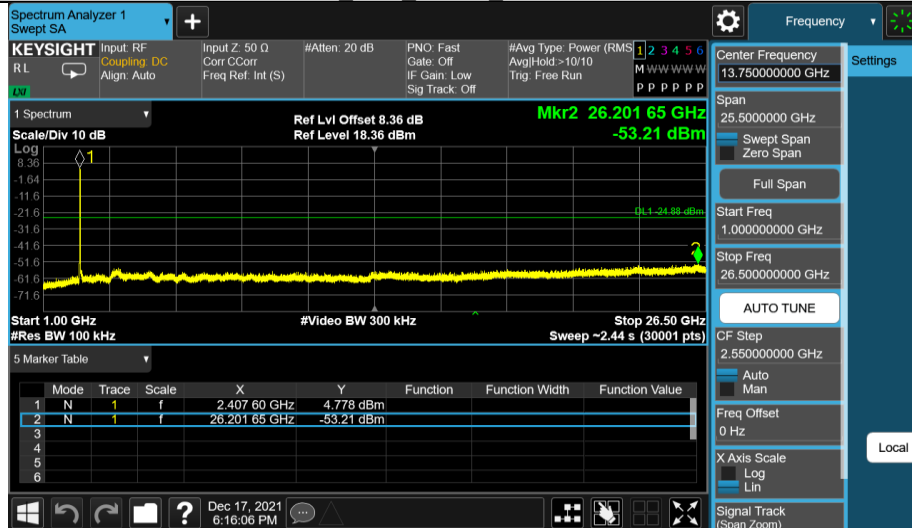
20M Ant1 2410.5 0~Reference

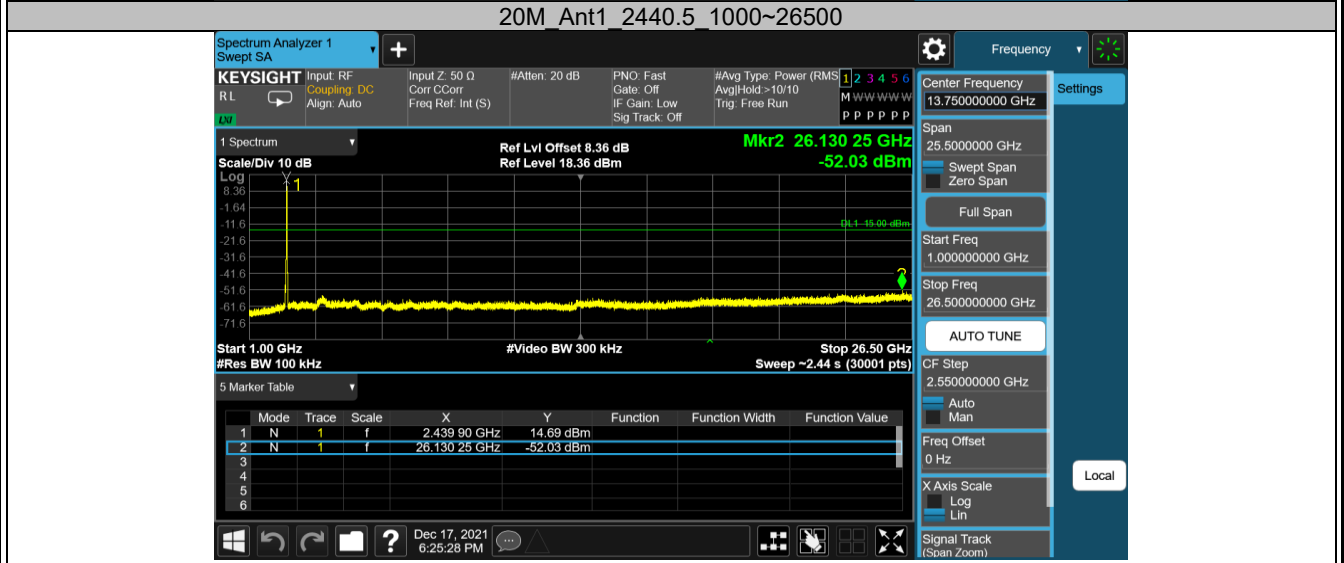
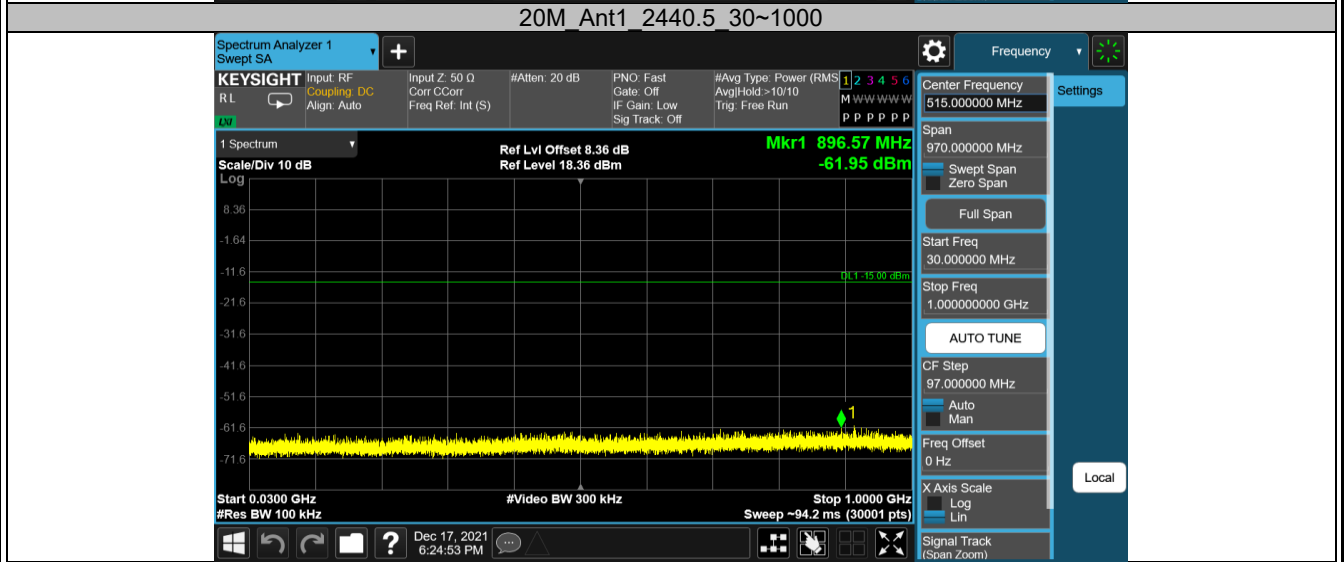
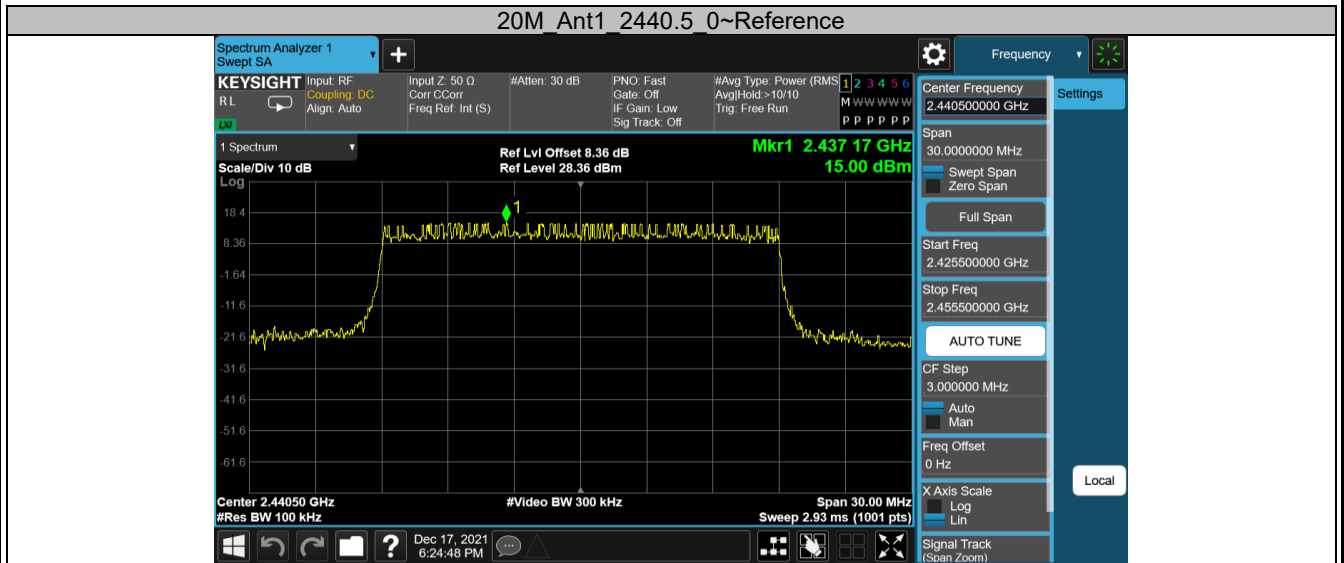


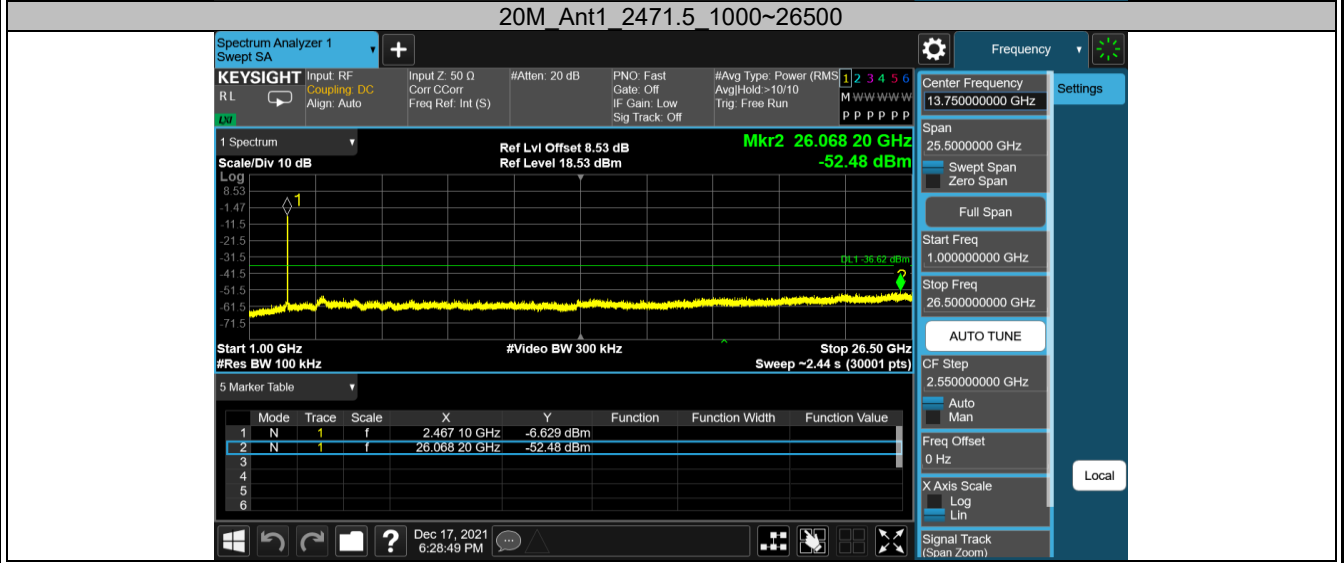
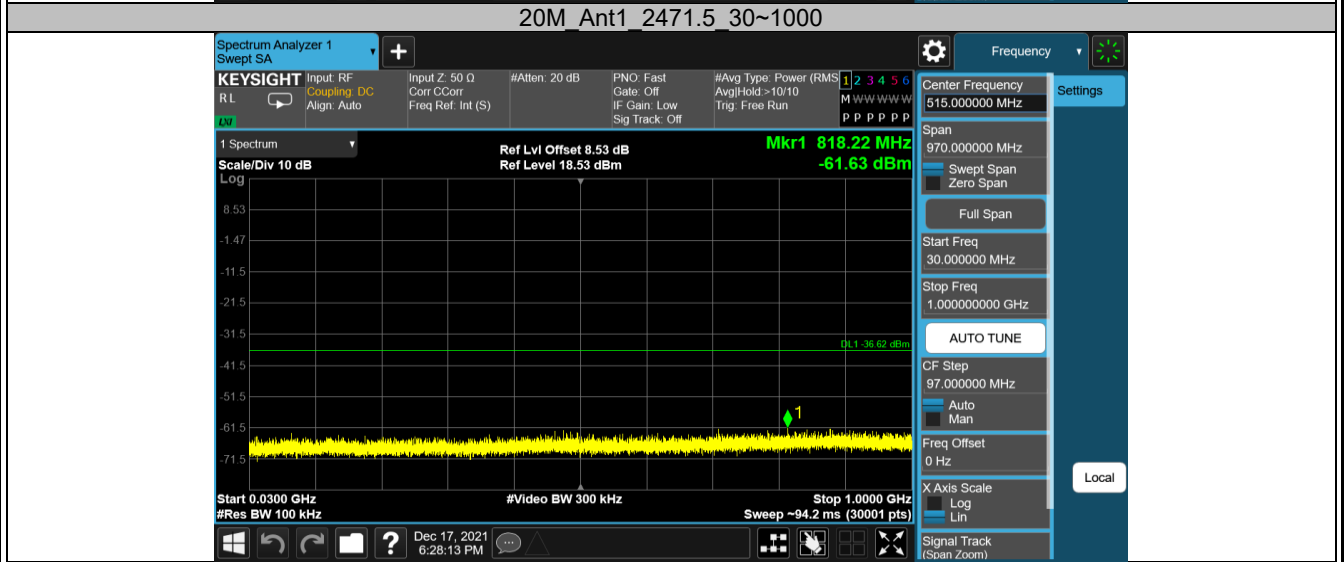
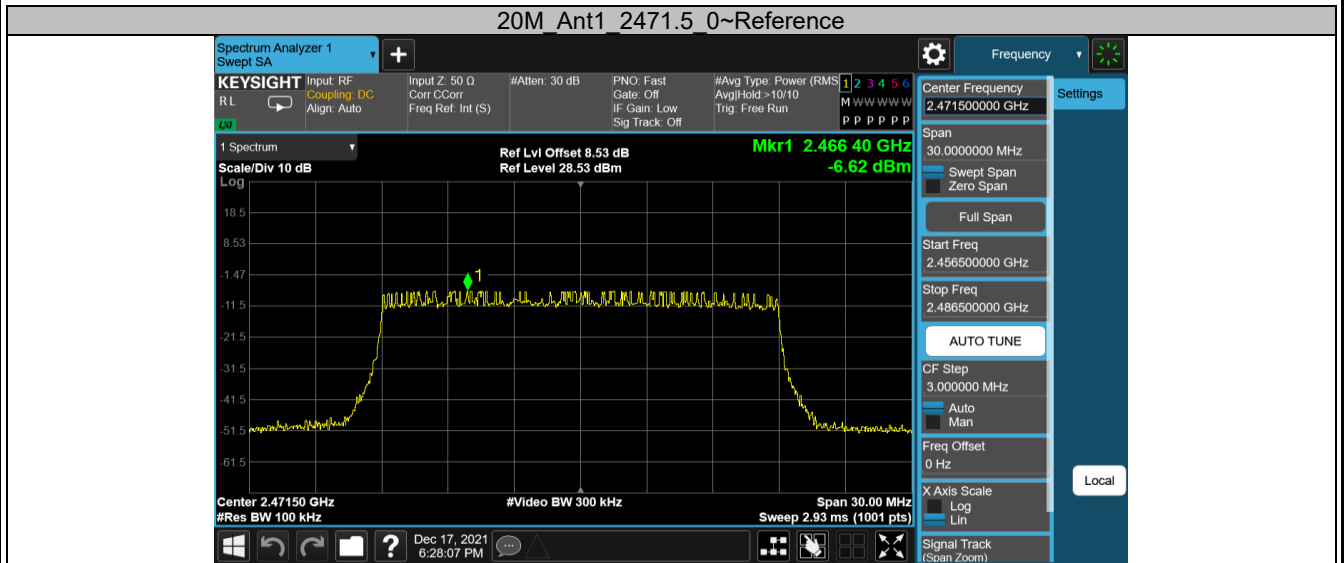
20M Ant1 2410.5 30~1000



20M Ant1 2410.5 1000~26500

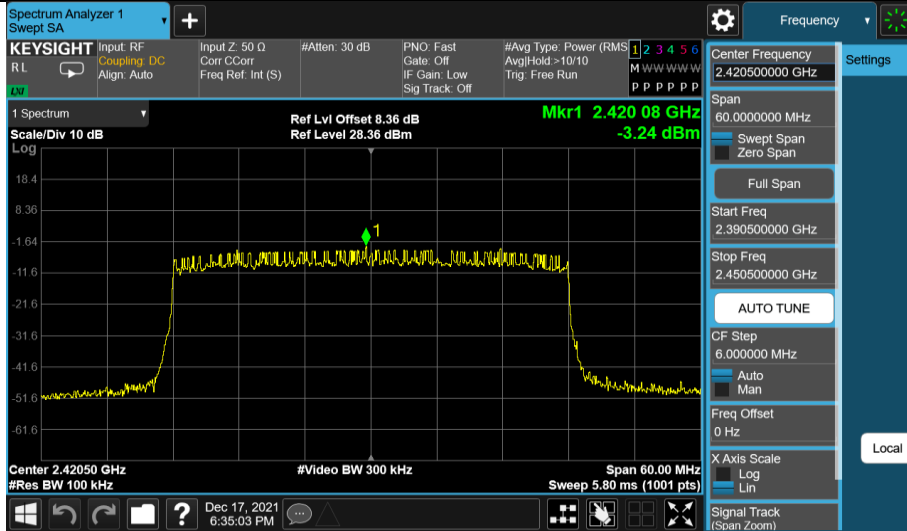




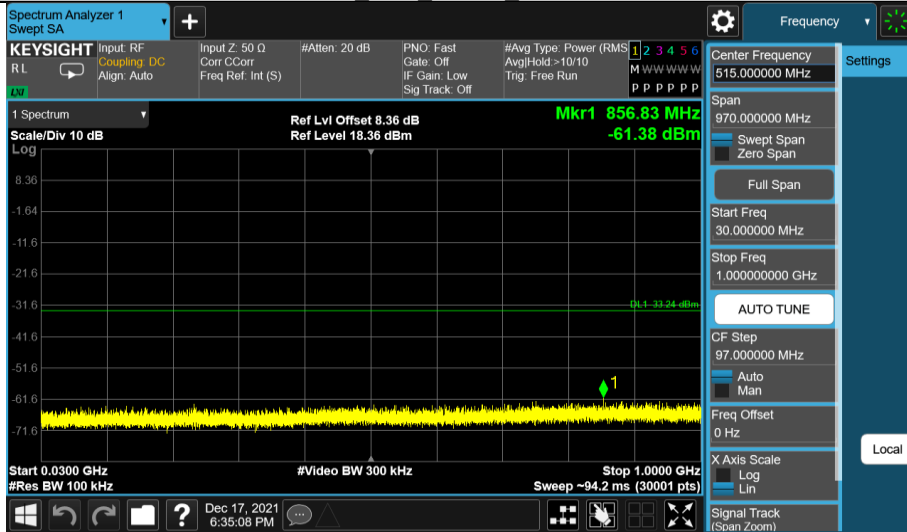


2.4GHz SDR, 40MHz BW

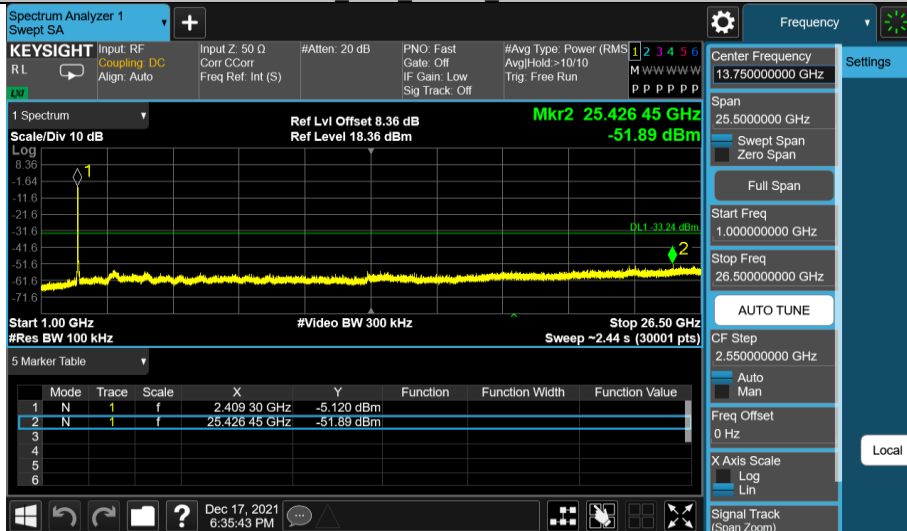
40M Ant1 2420.5 0~Reference



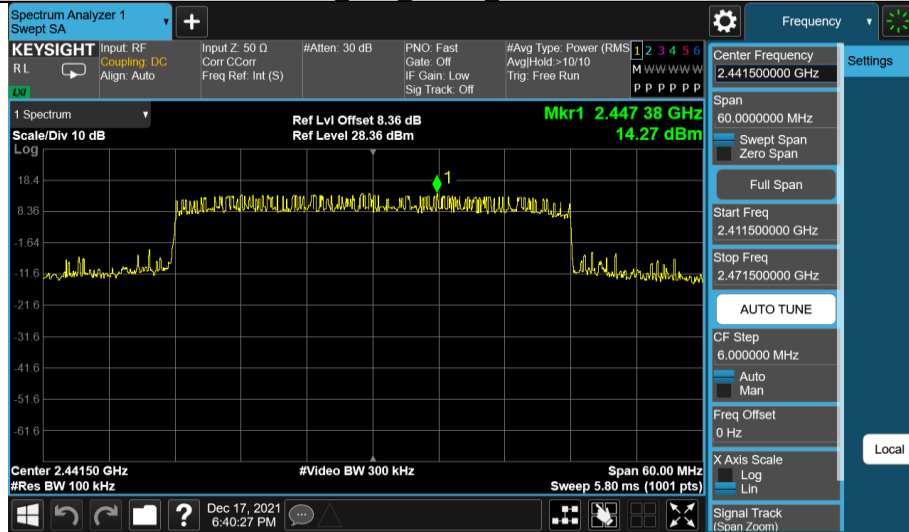
40M Ant1 2420.5 30~1000



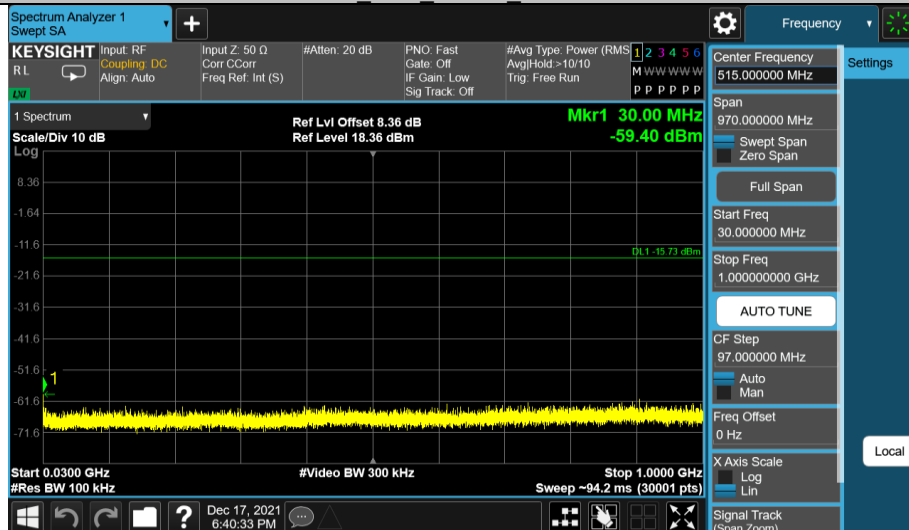
40M Ant1 2420.5 1000~26500



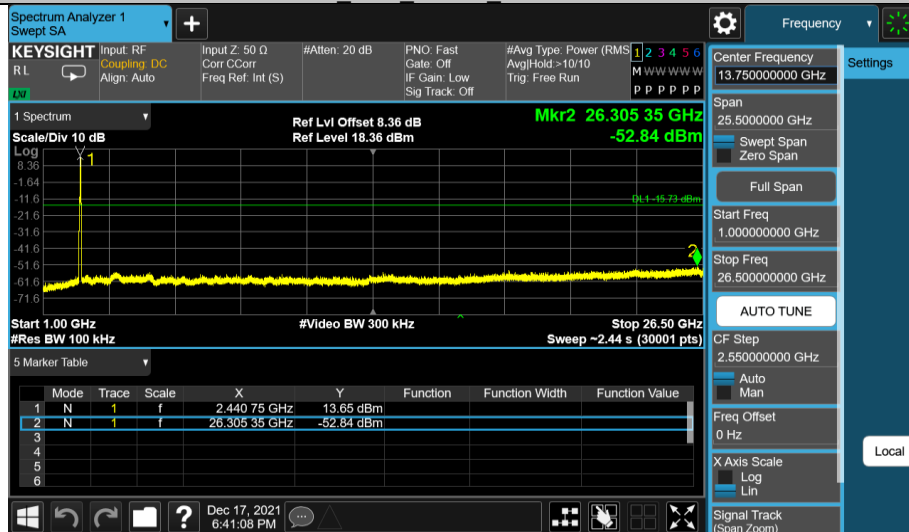
40M Ant1 2441.5 0~Reference

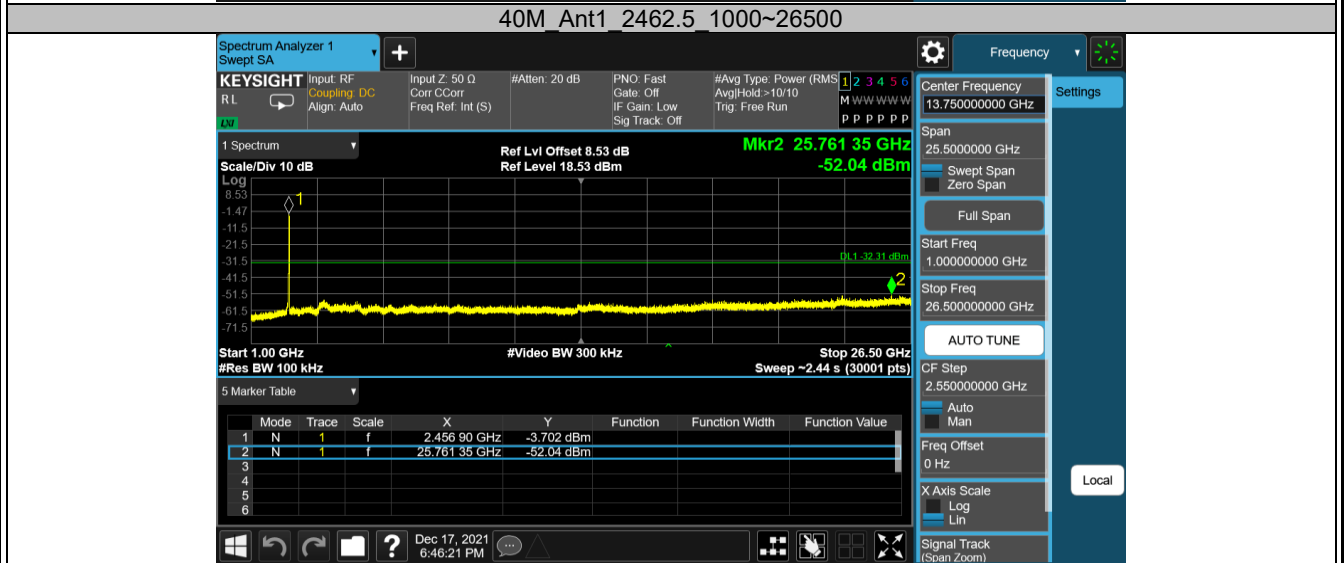
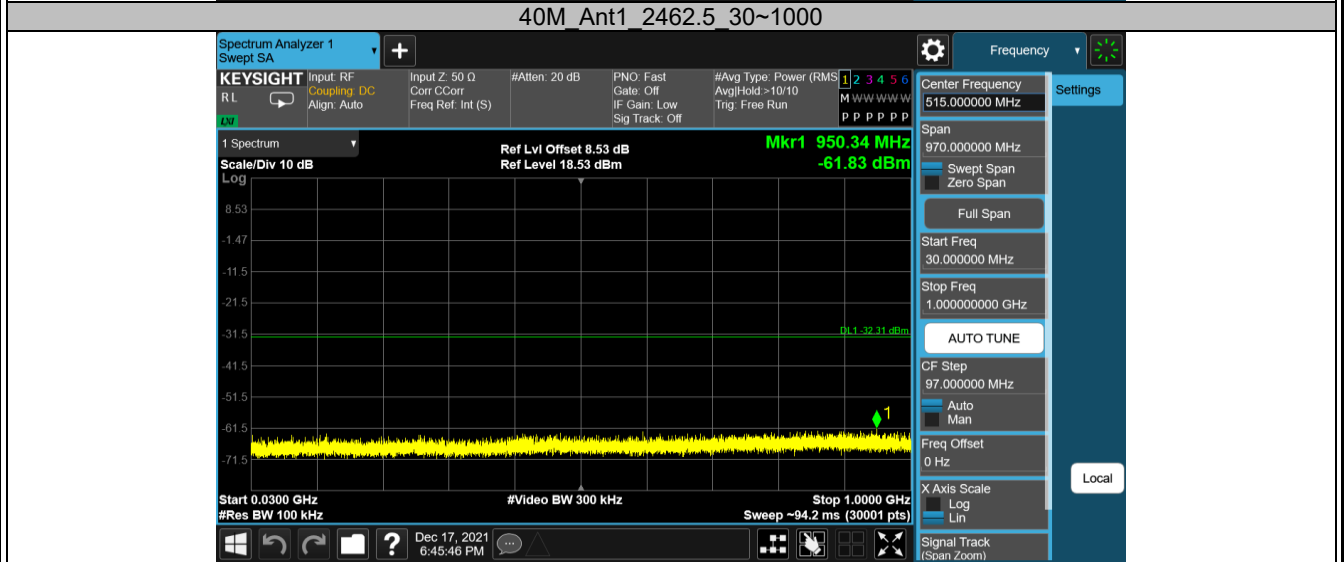
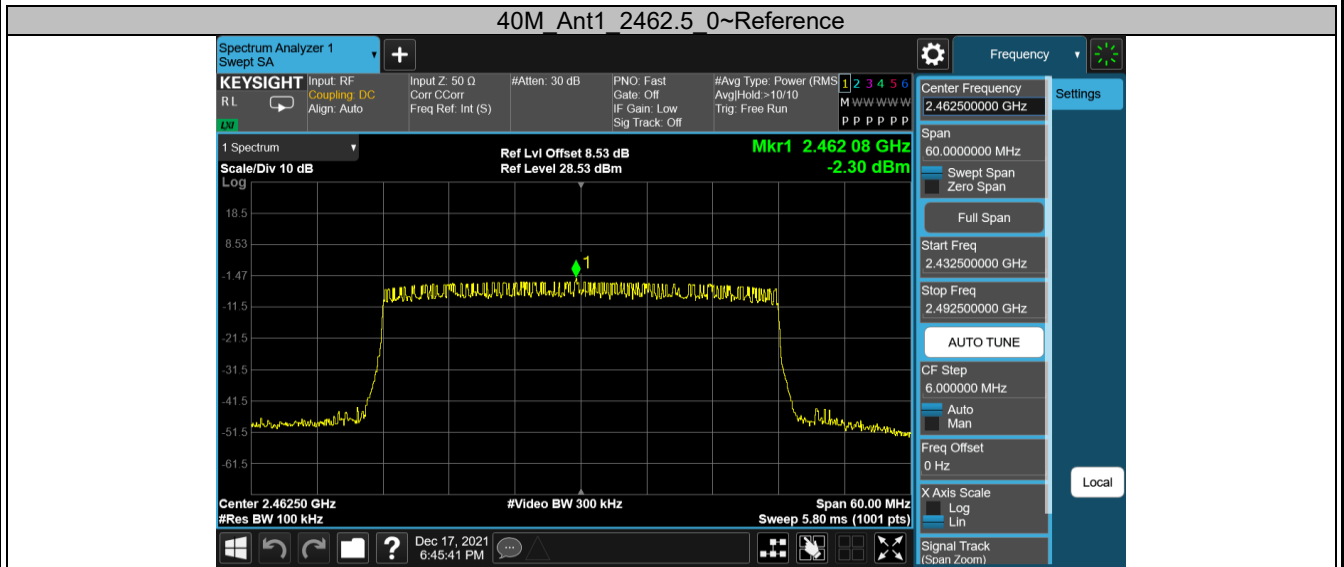


40M Ant1 2441.5 30~1000



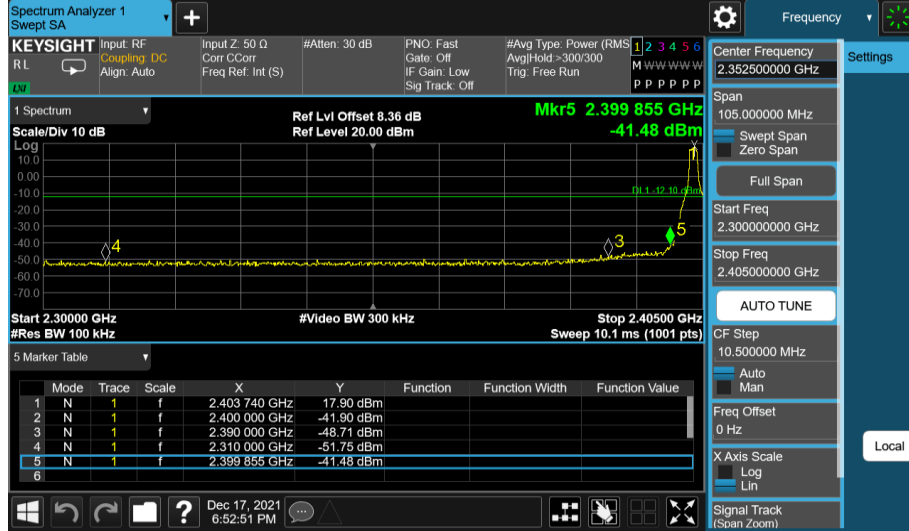
40M Ant1 2441.5 1000~26500



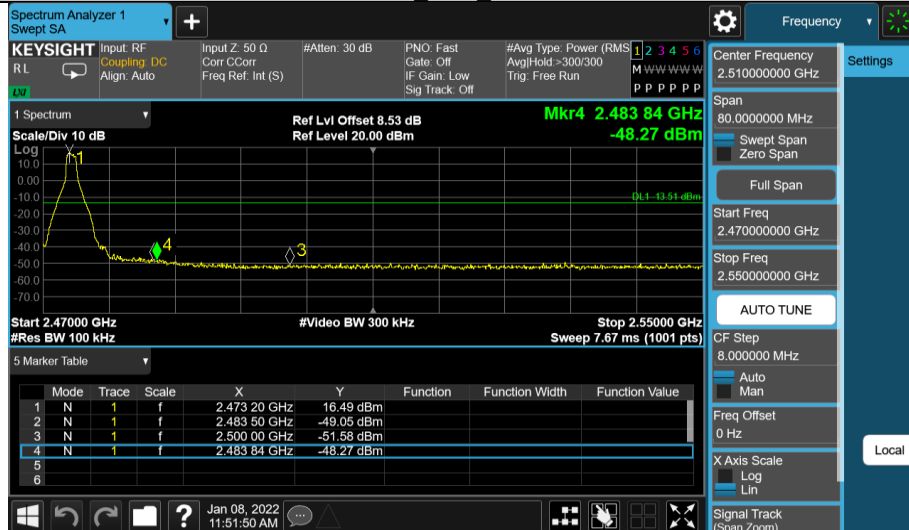


2.4GHz SDR, 1.4MHz BW Bandedge

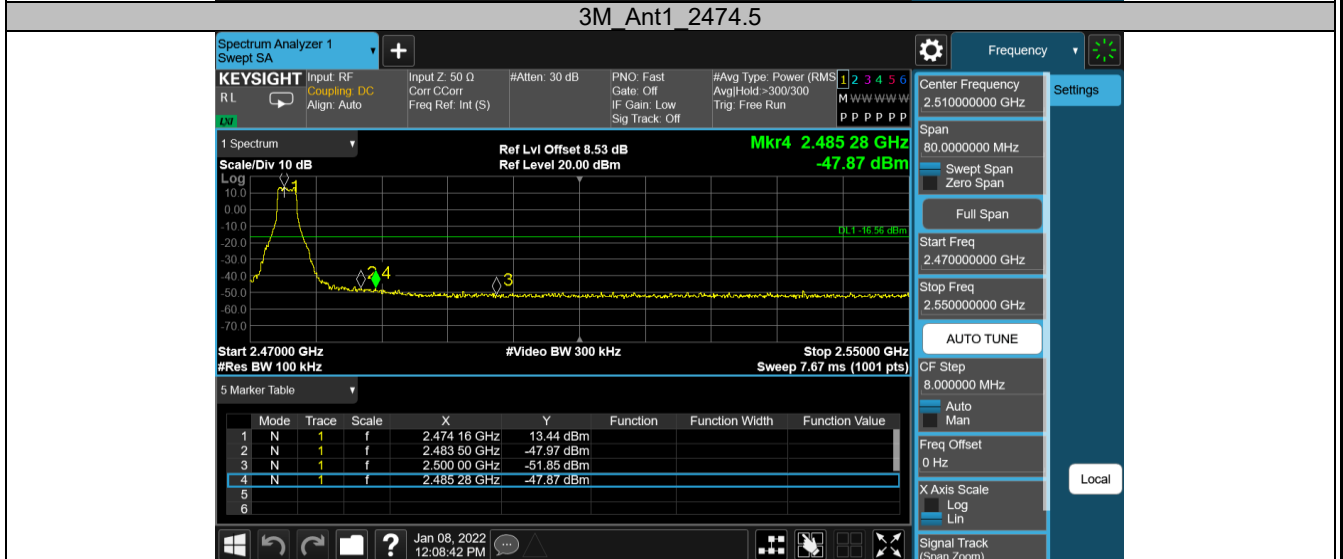
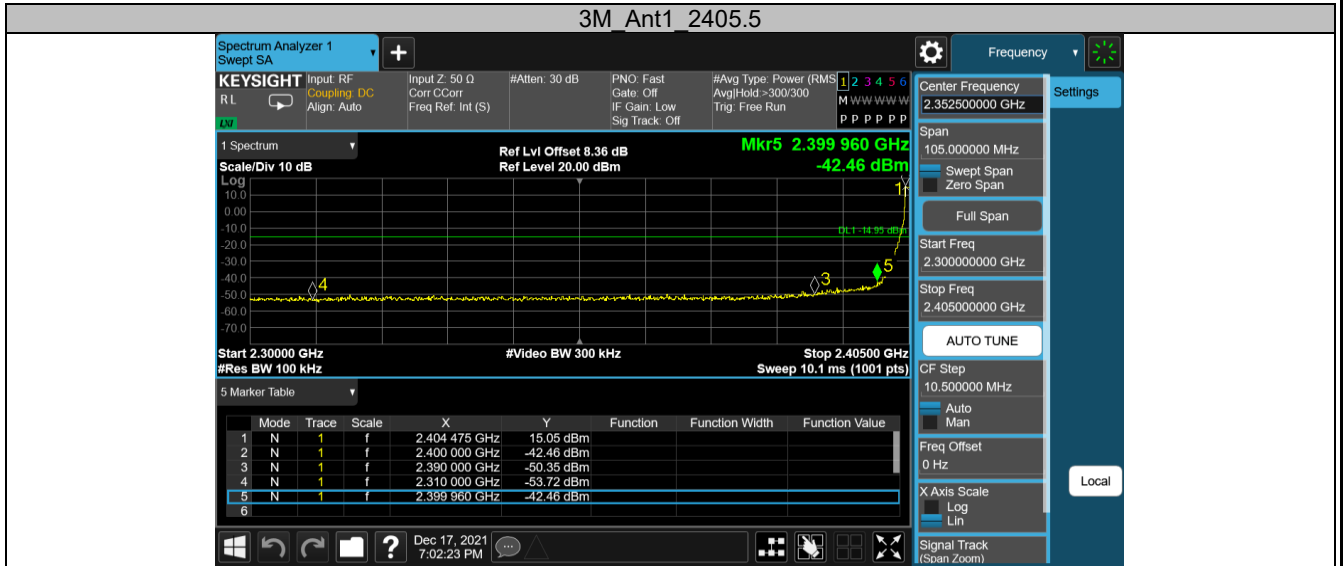
1.4M Ant1 2403.5



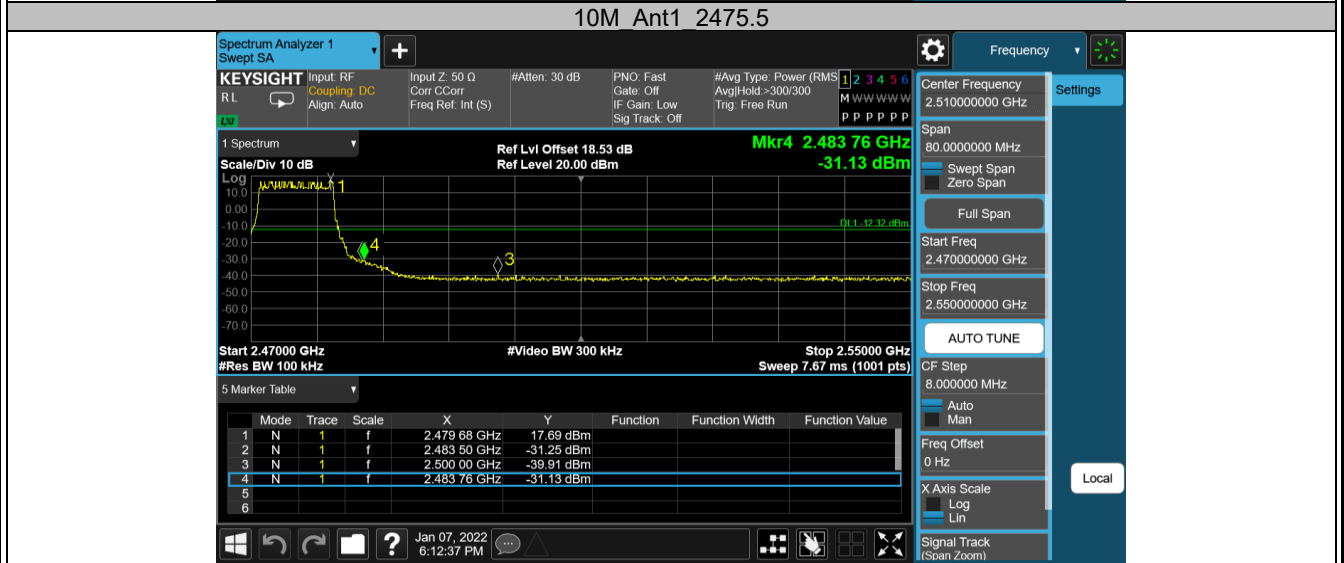
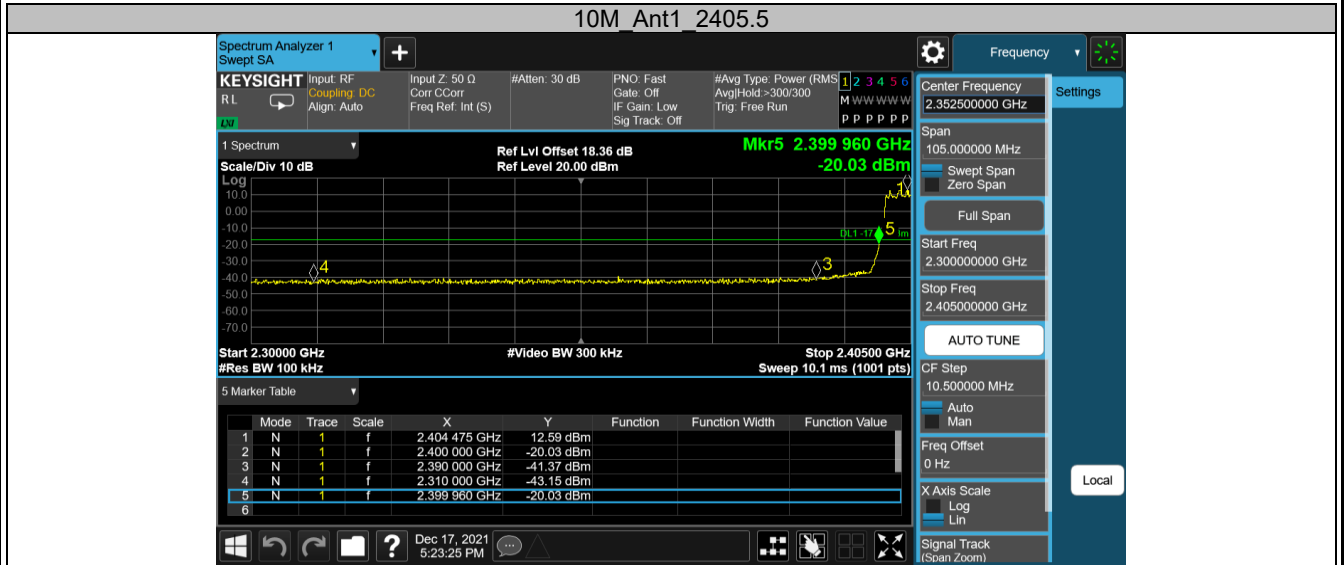
1.4M Ant1 2473.5



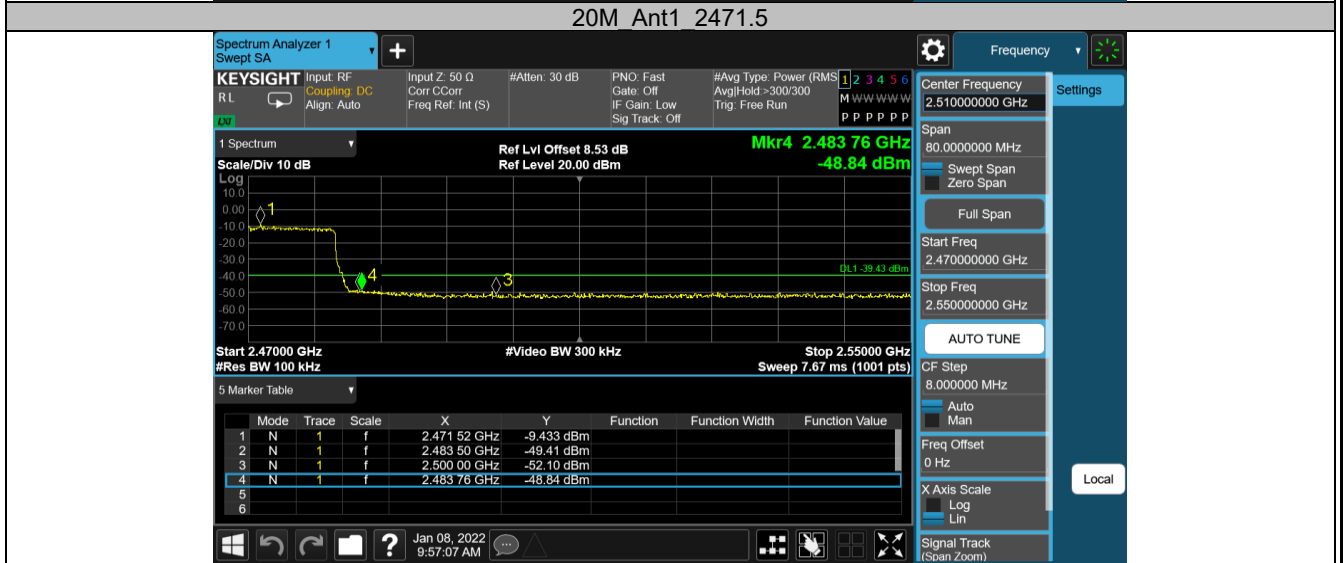
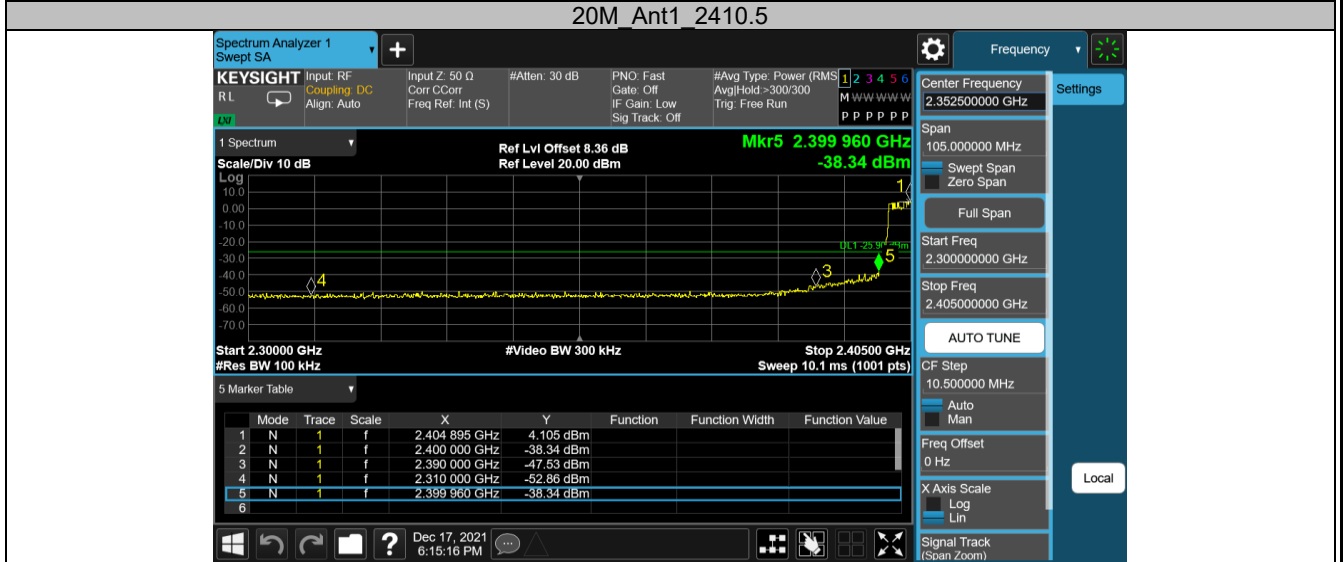
2.4GHz SDR, 3MHz BW Bandedge



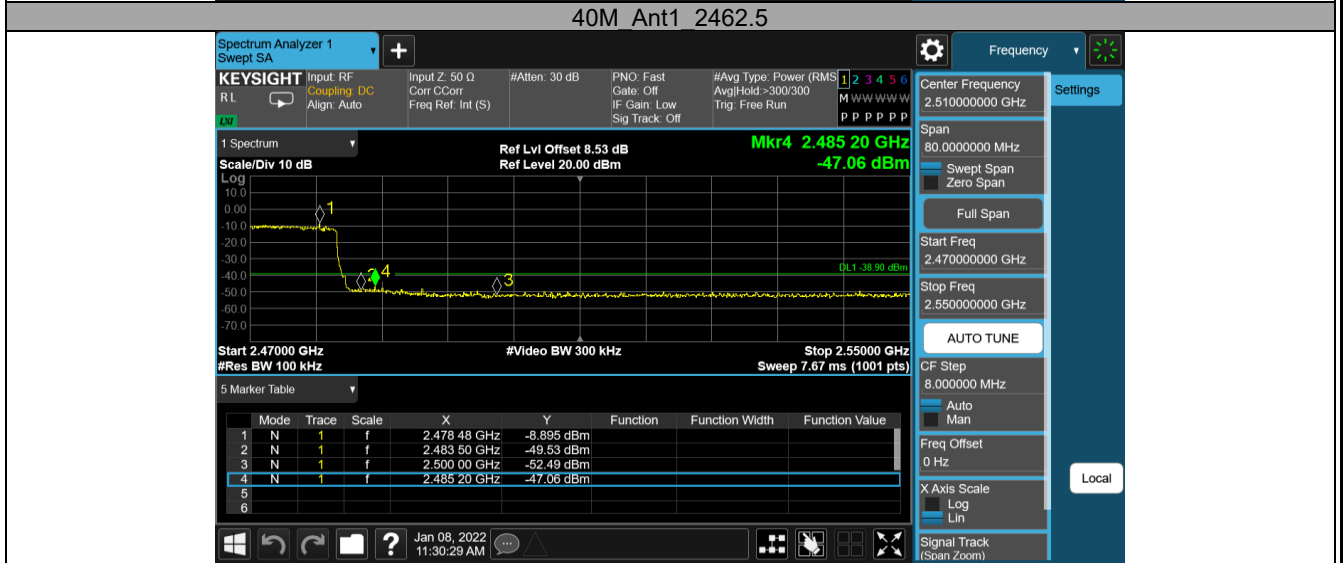
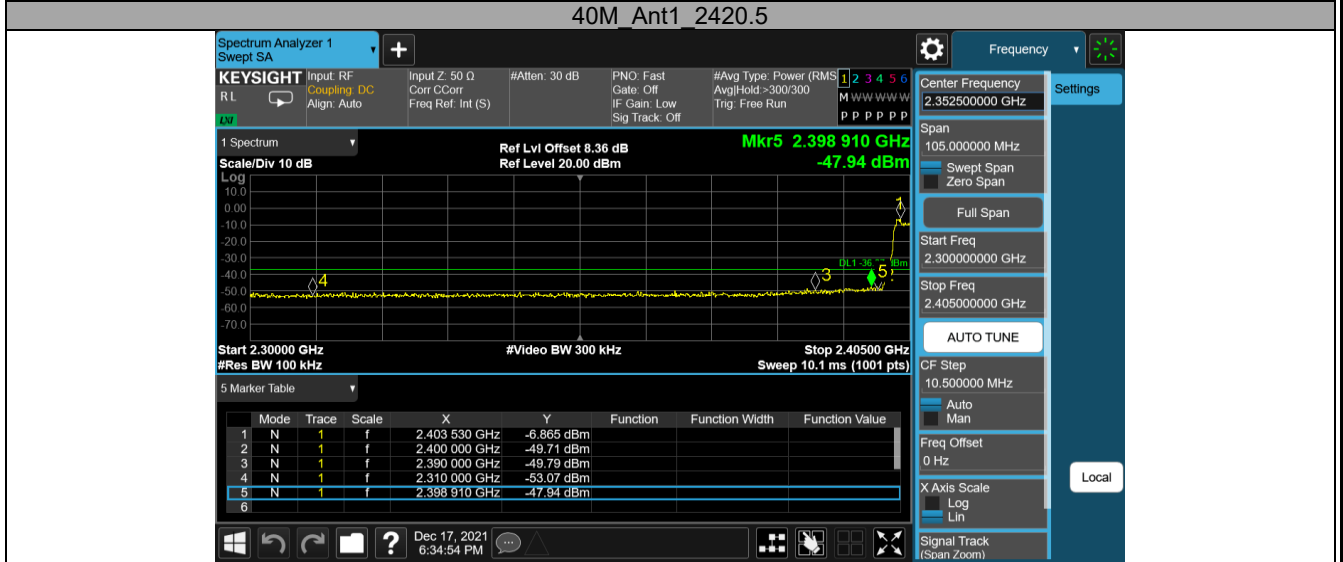
2.4GHz SDR, 10MHz BW Bandedge



2.4GHz SDR, 20MHz BW Bandedge



2.4GHz SDR, 40MHz BW Bandedge



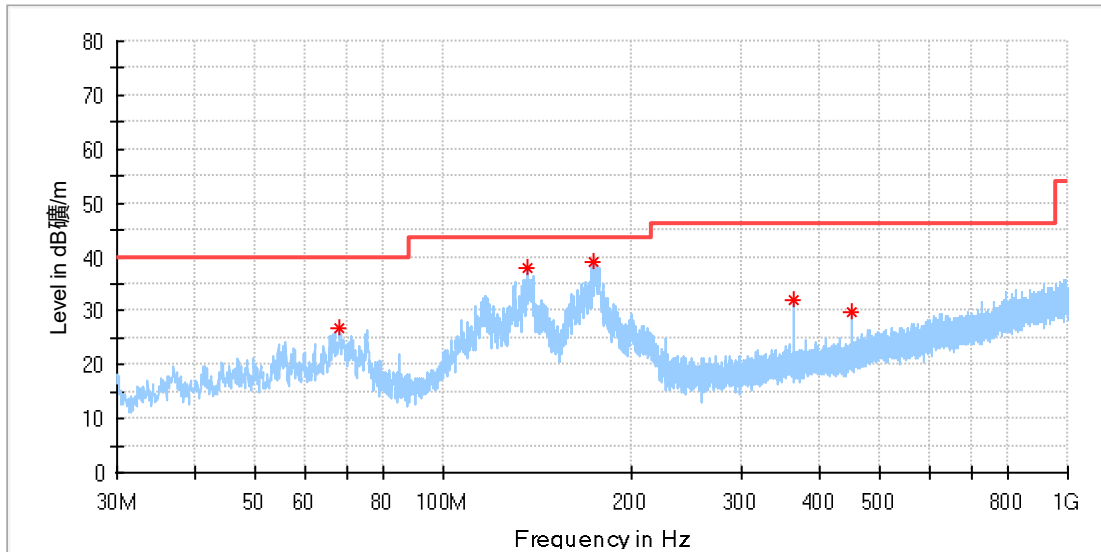
Appendix A.5: Test Results of Radiated Spurious Emissions

Note: 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.
All modes were tested for both the two models (3WWDZ-40A, 3WWDZ-20A), only the worst-case data reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_10M_2405.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

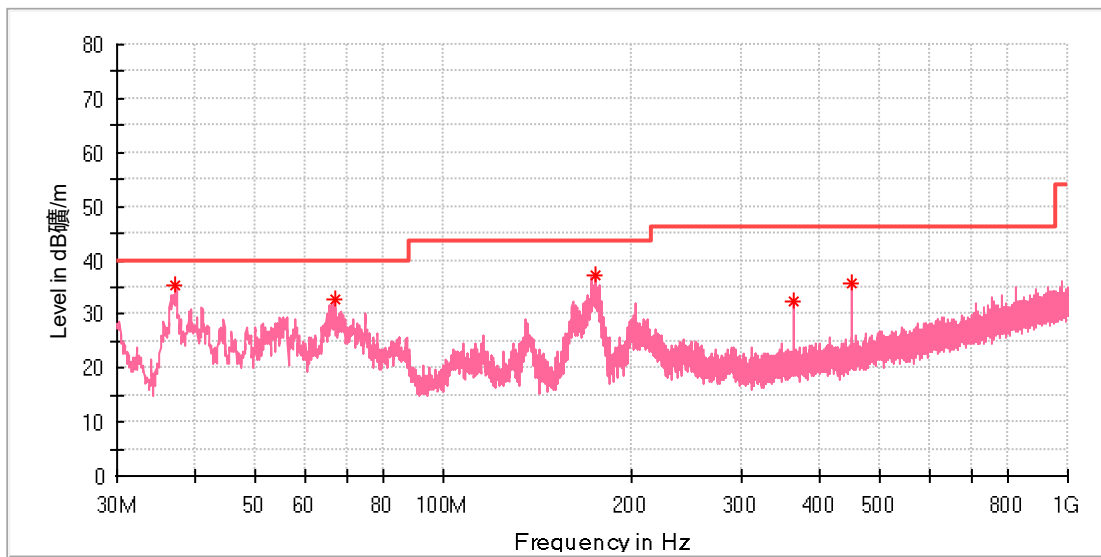
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
68.121000	26.80	40.00	13.20	100.0	H	22.0	-21.2
136.506000	38.14	43.50	5.36	100.0	H	0.0	-22.1
173.414500	39.01	43.50	4.49	100.0	H	292.0	-20.9
364.019500	32.15	46.00	13.85	100.0	H	129.0	-14.6
450.010000	29.83	46.00	16.17	100.0	H	22.0	-12.9

Final_Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_10M_2405.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 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)
37.275000	35.24	40.00	4.76	100.0	V	302.0	-21.1
66.860000	32.61	40.00	7.39	100.0	V	268.0	-20.7
174.821000	37.16	43.50	6.34	100.0	V	0.0	-20.9
364.019500	32.30	46.00	13.70	100.0	V	150.0	-14.6
450.010000	35.58	46.00	10.42	100.0	V	347.0	-12.9

Final Result

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

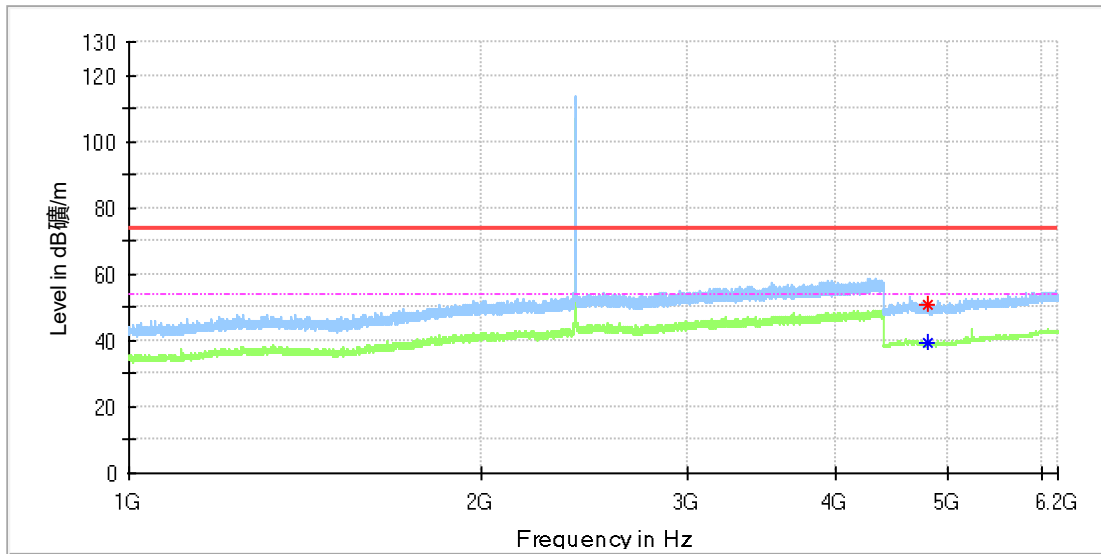
1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz SDR Fundamental. And only the worst-case mode reported.

2.4GHz SDR, 1.4MHz BW

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

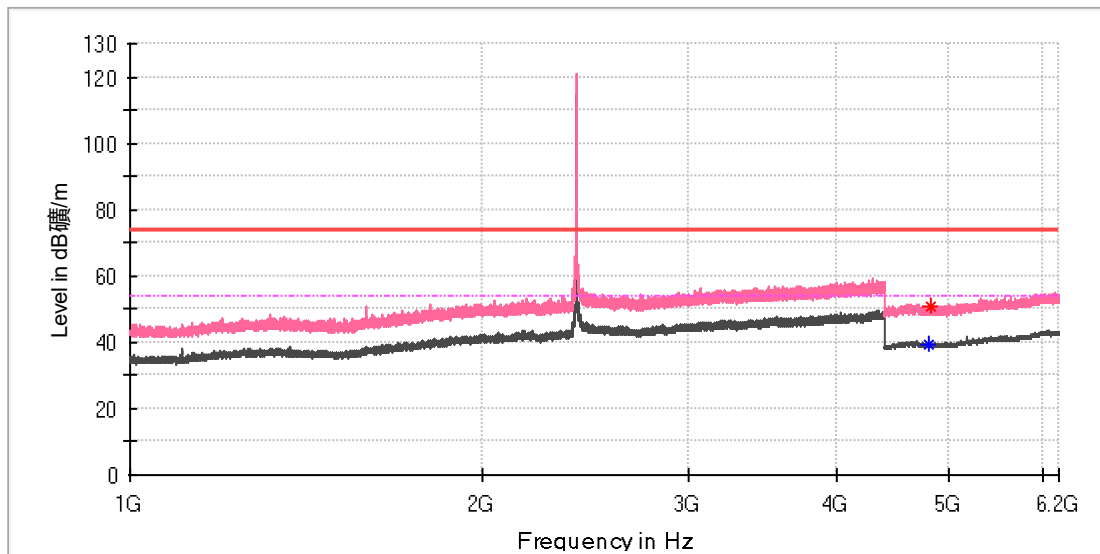
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4808.500000	51.06	---	74.00	22.94	100.0	H	308.0	11.8
4810.000000	---	39.58	54.00	14.42	100.0	H	258.0	11.8

Final Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_1.4M_2403.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

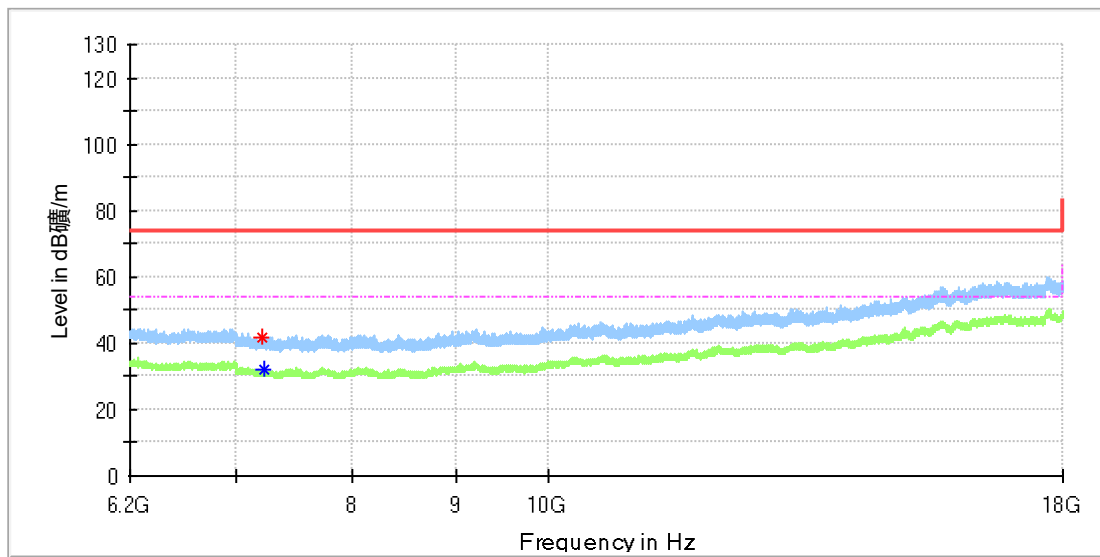
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	---	39.54	54.00	14.46	100.0	V	274.0	11.8
4815.000000	50.89	---	74.00	23.11	100.0	V	324.0	11.8

Final_Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2403.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

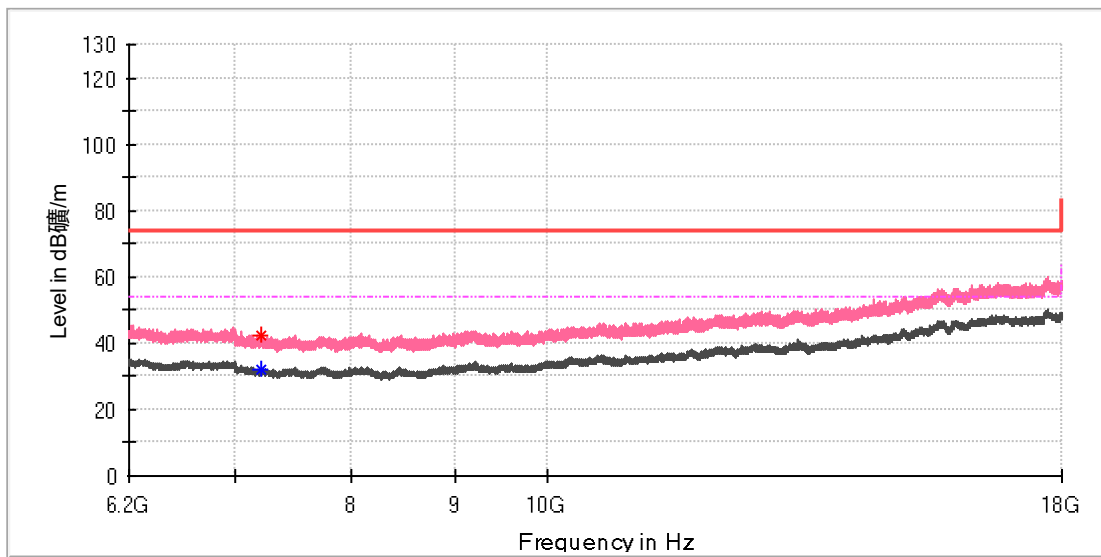
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.491667	41.54	---	74.00	32.46	100.0	H	18.0	8.8
7222.666667	---	31.86	54.00	22.14	100.0	H	273.0	8.7

Final Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_1.4M_2403.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

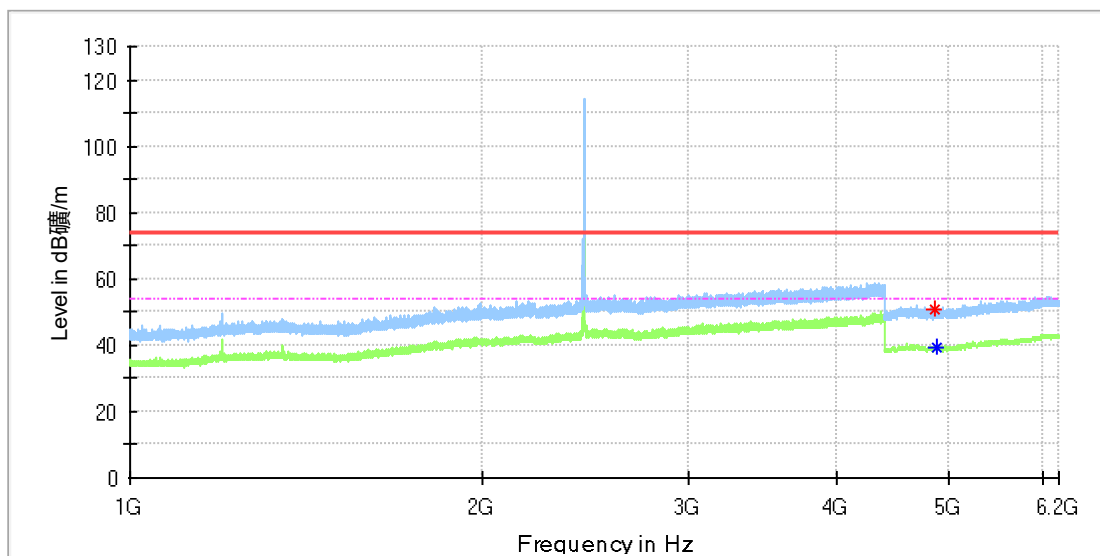
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7211.358333	---	31.89	54.00	22.11	100.0	V	0.0	8.7
7212.833333	42.10	---	74.00	31.90	100.0	V	113.0	8.7

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2439.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

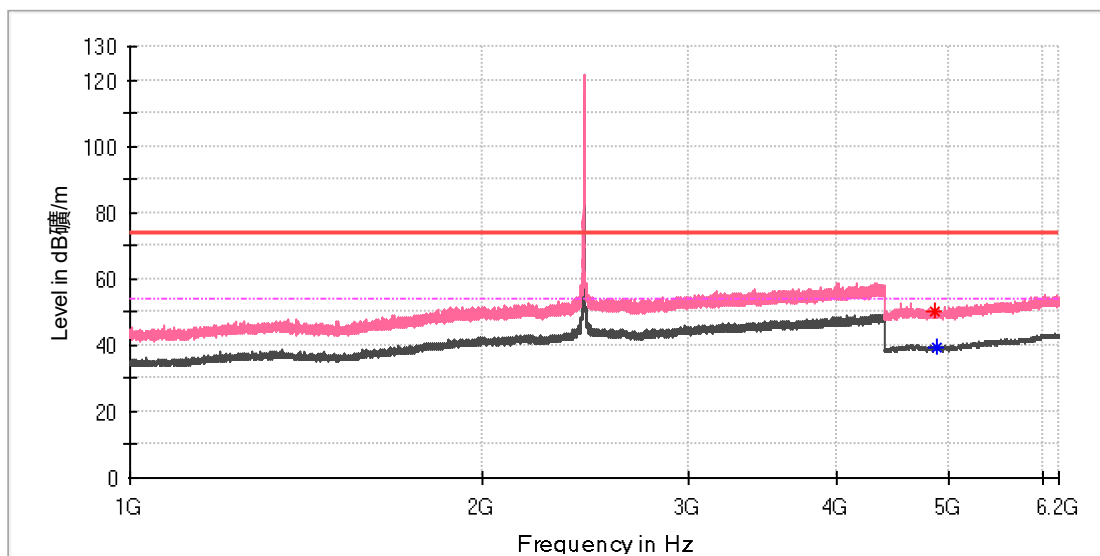
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4867.000000	50.57	---	74.00	23.43	100.0	H	308.0	11.8
4870.000000	---	39.55	54.00	14.45	100.0	H	198.0	11.8

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2439.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

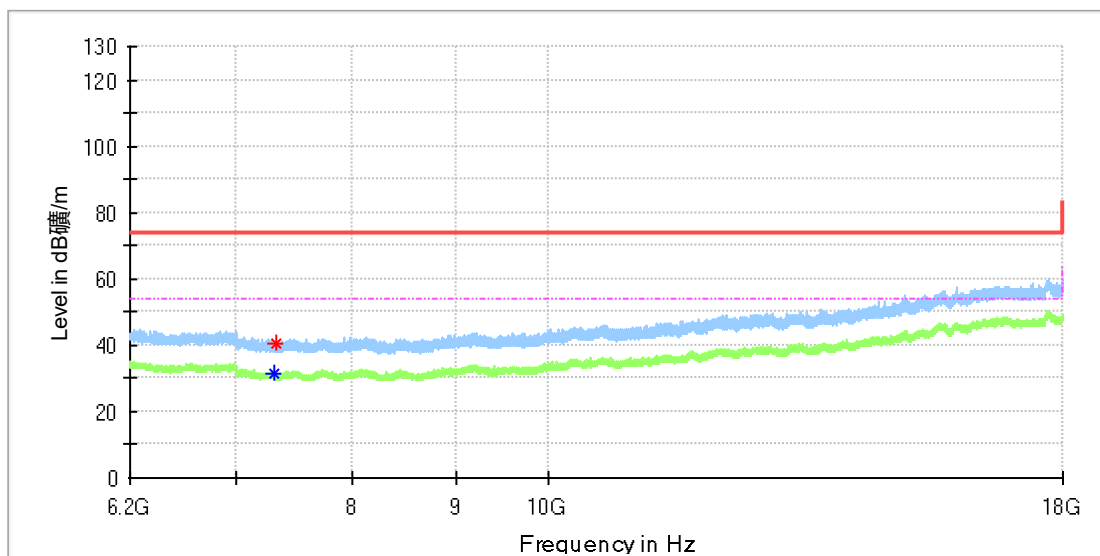
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.500000	50.30	---	74.00	23.70	100.0	V	305.0	11.8
4869.500000	---	39.36	54.00	14.64	100.0	V	204.0	11.8

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2439.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

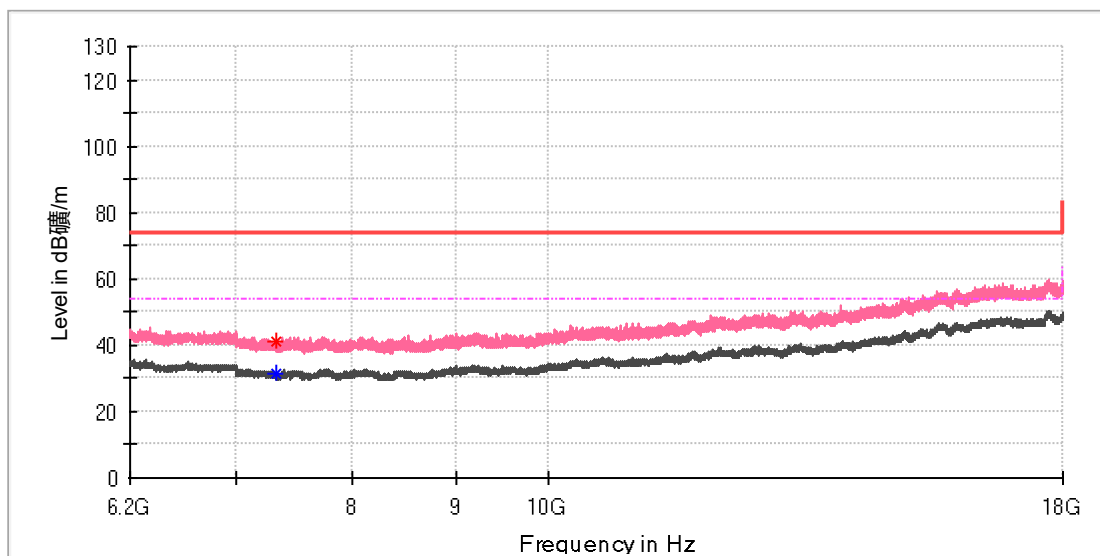
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.675000	---	31.42	54.00	22.58	100.0	H	6.0	8.2
7333.291667	40.65	---	74.00	33.35	100.0	H	0.0	8.1

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2439.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

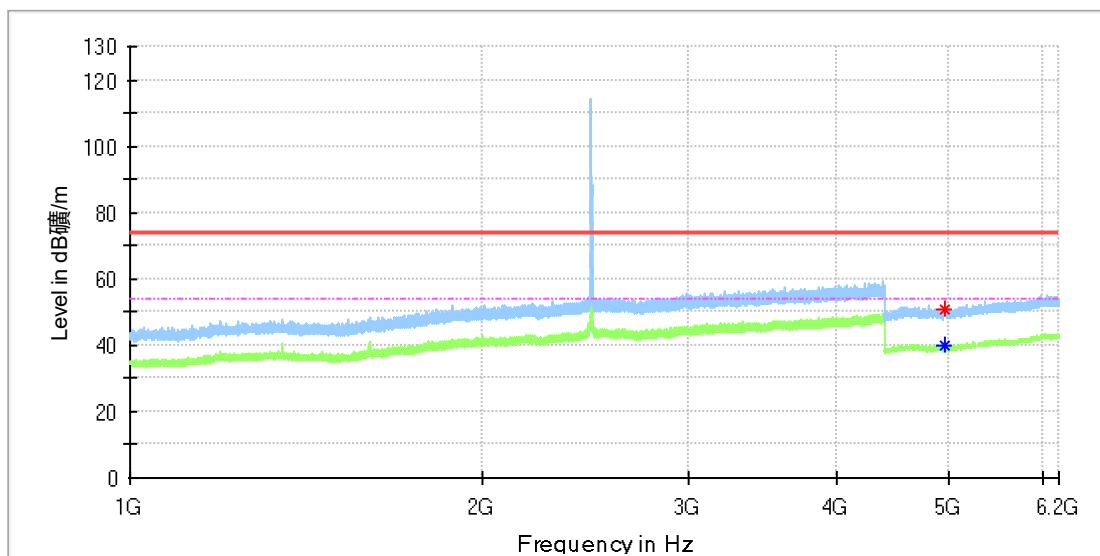
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7328.375000	---	31.49	54.00	22.51	100.0	V	0.0	8.1
7333.783333	40.85	---	74.00	33.15	100.0	V	119.0	8.1

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2473.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

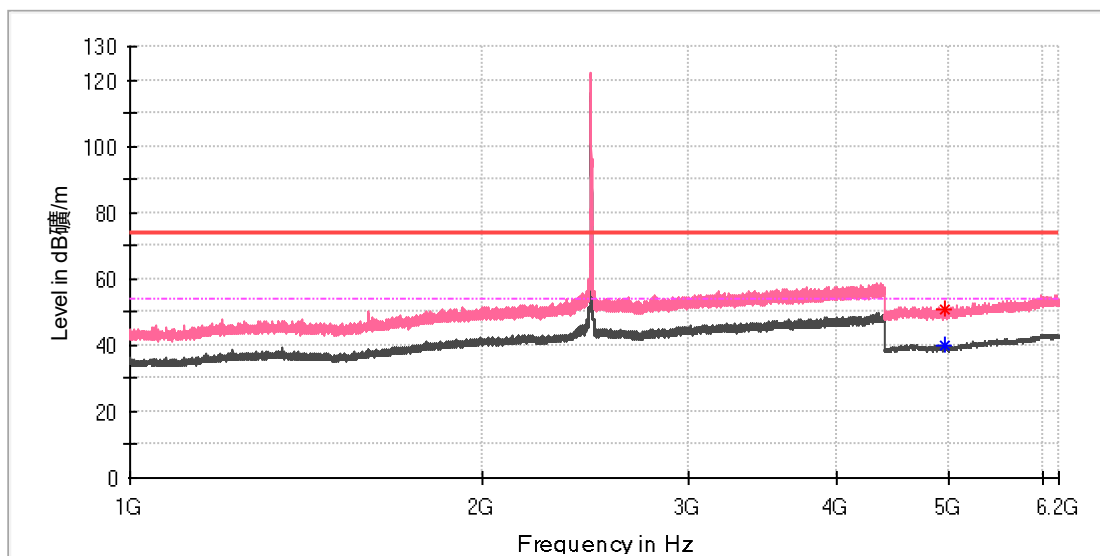
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4948.000000	50.90	---	74.00	23.10	100.0	H	202.0	11.8
4958.500000	---	39.62	54.00	14.38	100.0	H	316.0	11.8

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2473.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

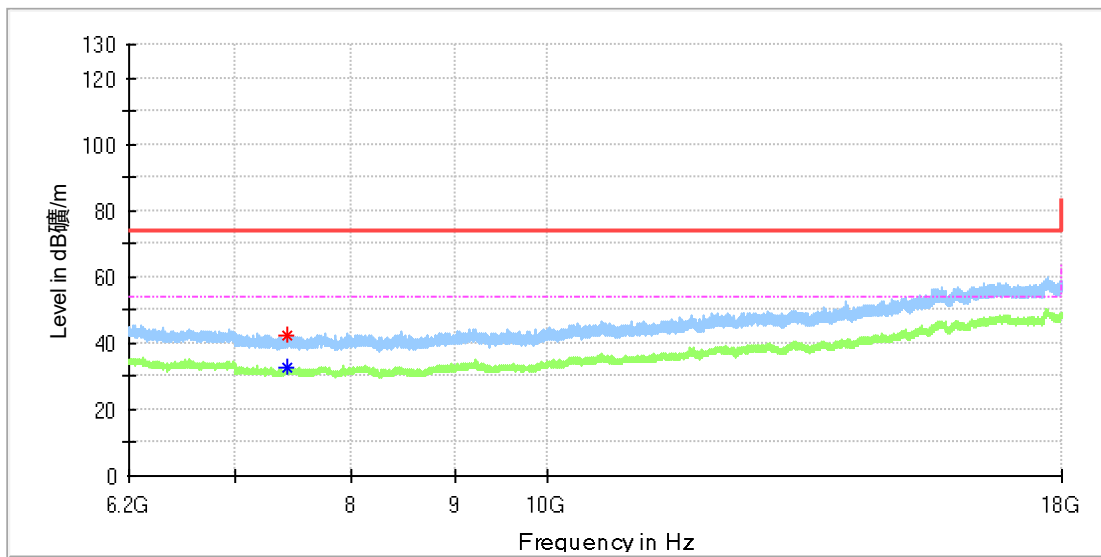
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4946.500000	50.88	---	74.00	23.12	100.0	V	204.0	11.8
4961.500000	---	39.76	54.00	14.24	100.0	V	341.0	11.8

Final Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_1.4M_2473.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

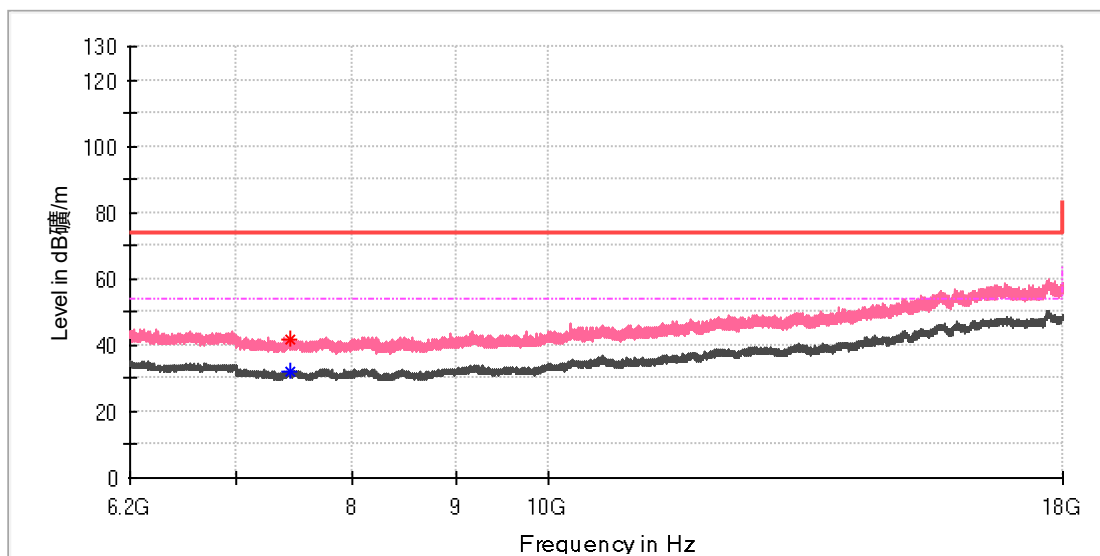
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7425.233333	---	32.63	54.00	21.37	100.0	H	173.0	8.4
7428.675000	42.20	---	74.00	31.80	100.0	H	7.0	8.4

Final Result

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

EUT Information

EUT Name:	Aircraft
Model:	3WWDZ-40A, 3WWDZ-20A
Test Mode:	SDR 2.4G_1.4M_2473.5MHz
Order No/Sample No:	168342360/A003168006-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

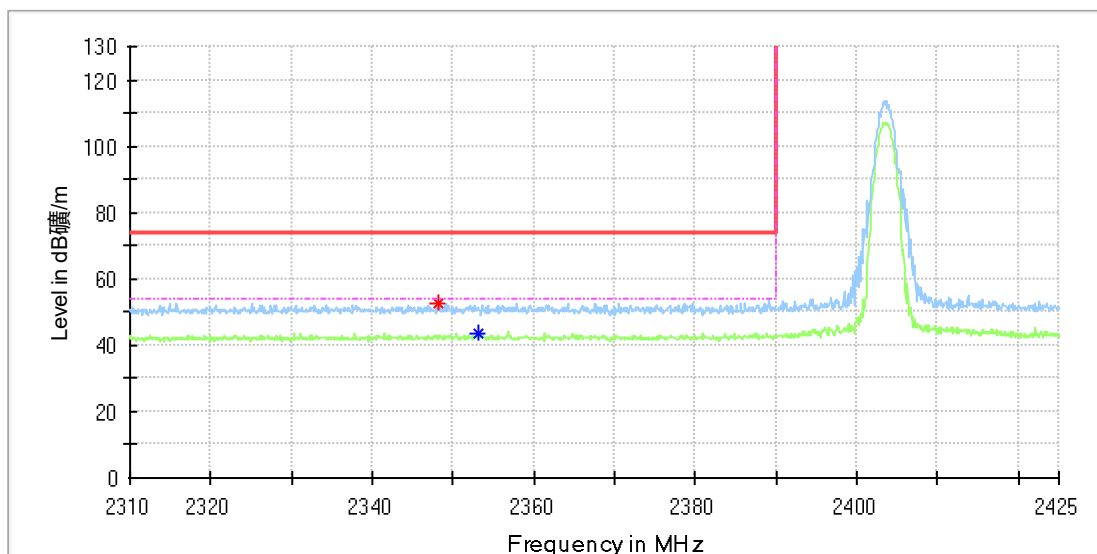
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.966667	---	31.95	54.00	22.05	100.0	V	244.0	8.4
7449.816667	41.77	---	74.00	32.23	100.0	V	172.0	8.5

Final Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_1.4M_2403.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

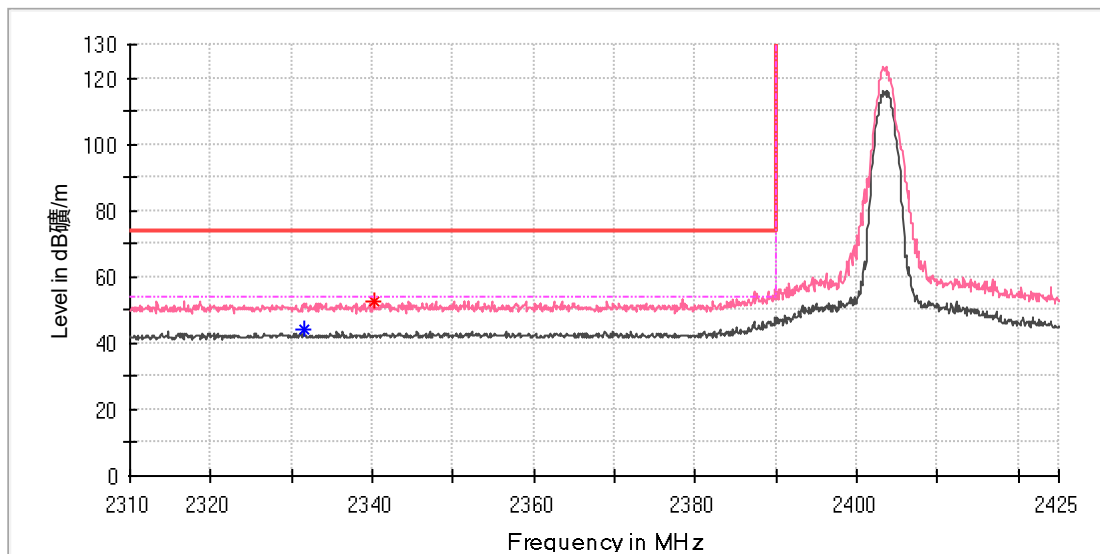
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2348.200000	52.74	---	74.00	21.26	100.0	H	268.0	6.9
2353.200000	---	43.51	54.00	10.49	100.0	H	200.0	6.9

Final Result

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

EUT Information

EUT Name: Aircraft
 Model: 3WWDZ-40A, 3WWDZ-20A
 Test Mode: SDR 2.4G_1.4M_2403.5MHz
 Order No/Sample No: 168342360/A003168006-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:58%
 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)
2331.500000	---	44.33	54.00	9.67	100.0	V	333.0	6.7
2340.200000	52.87	---	74.00	21.13	100.0	V	85.0	6.8

Final Result

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

