

Appendix B: Test Results of Wi-Fi 802.11 b/g/n

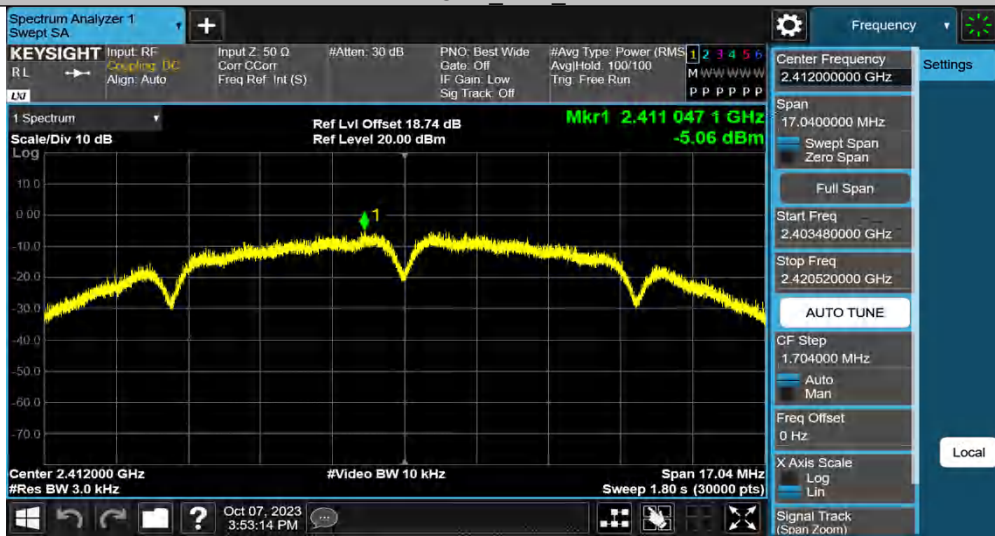
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Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-5.06	≤8.00	PASS
	Ant2	2412	-4.66	≤8.00	PASS
	Ant1	2437	-2.76	≤8.00	PASS
	Ant2	2437	-4.45	≤8.00	PASS
	Ant1	2462	-4.43	≤8.00	PASS
	Ant2	2462	-4.27	≤8.00	PASS
11G-CDD	Ant1	2412	-6.54	≤8.00	PASS
	Ant2	2412	-5.33	≤8.00	PASS
	Ant1	2437	-4.59	≤8.00	PASS
	Ant2	2437	-6.01	≤8.00	PASS
	Ant1	2462	-6.35	≤8.00	PASS
	Ant2	2462	-5.72	≤8.00	PASS
11N20MIMO	Ant1	2412	-7.56	≤8.00	PASS
	Ant2	2412	-7.17	≤8.00	PASS
	total	2412	-4.35	≤8.00	PASS
	Ant1	2437	-6.35	≤8.00	PASS
	Ant2	2437	-6.11	≤8.00	PASS
	total	2437	-3.22	≤8.00	PASS
	Ant1	2462	-7.1	≤8.00	PASS
	Ant2	2462	-6.81	≤8.00	PASS
11N40MIMO	Ant1	2422	-12.34	≤8.00	PASS
	Ant2	2422	-11.79	≤8.00	PASS
	total	2422	-9.05	≤8.00	PASS
	Ant1	2437	-11.6	≤8.00	PASS
	Ant2	2437	-11.05	≤8.00	PASS
	total	2437	-8.31	≤8.00	PASS
	Ant1	2452	-11.89	≤8.00	PASS
	Ant2	2452	-12.38	≤8.00	PASS
total	2452	-9.12	≤8.00	PASS	

As per KDB662911D01 section F) f) (ii), the direction gain for power spectral density (PSD) MIMO mode is 5.8dBi*, thus no reductions needed on PSD limit.

11B-CDD Ant1 2412



11B-CDD Ant2 2412

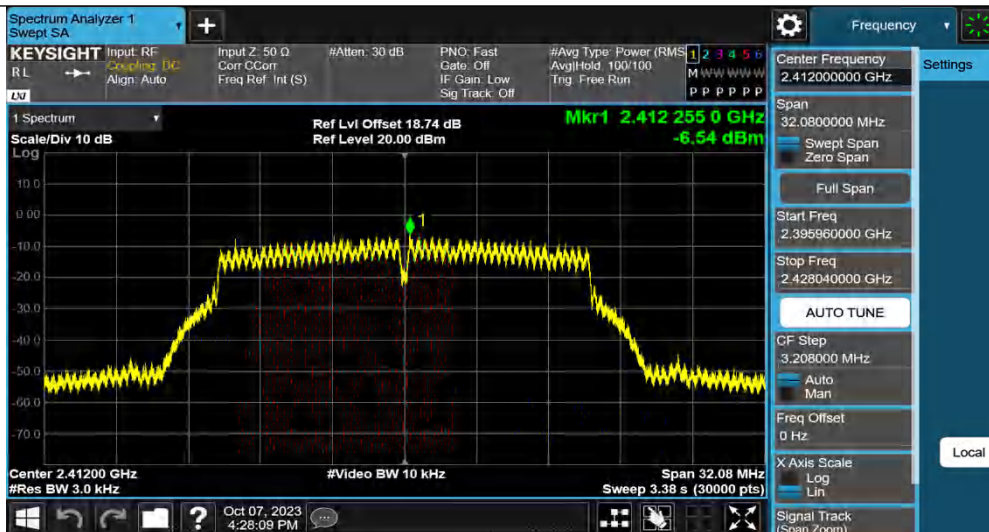


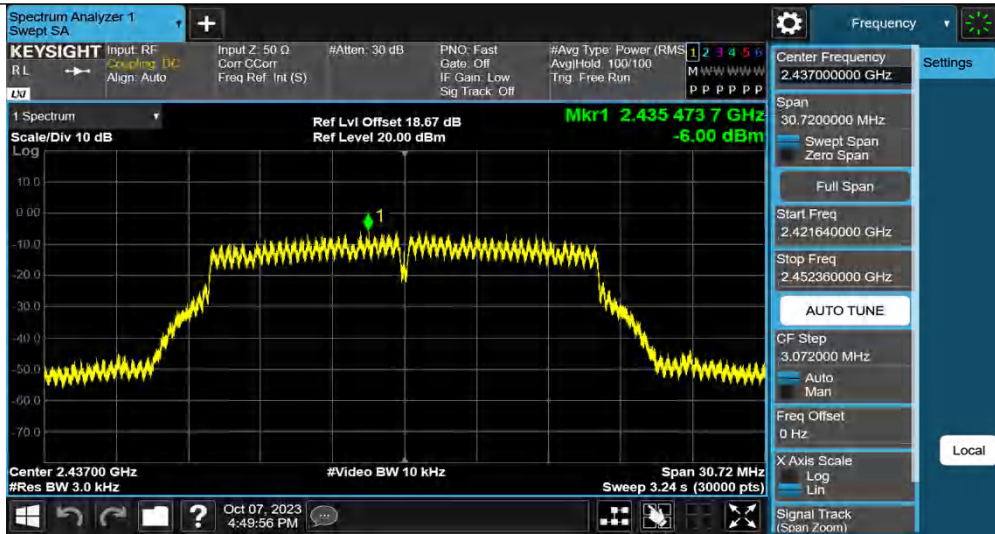
11B-CDD Ant1 2437



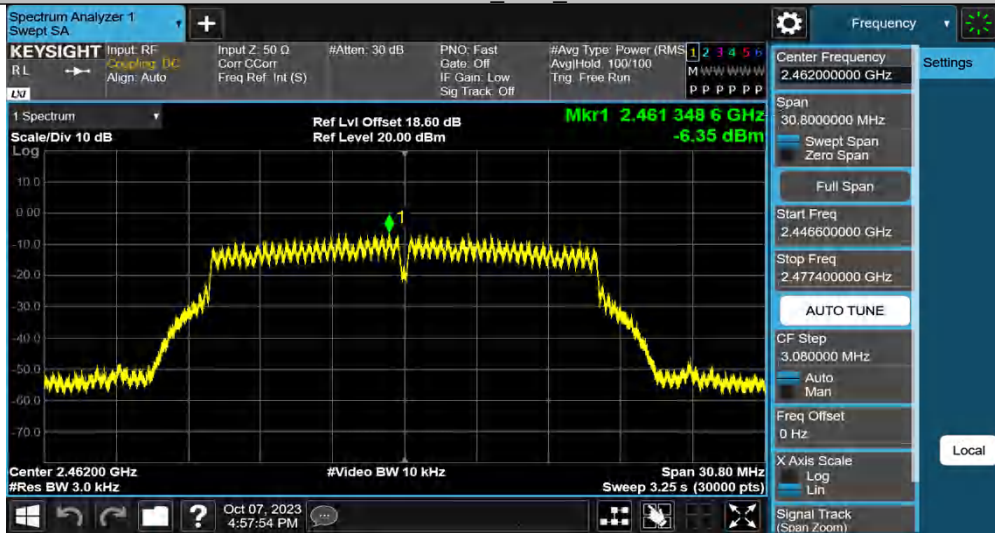
11B-CDD Ant2 2437



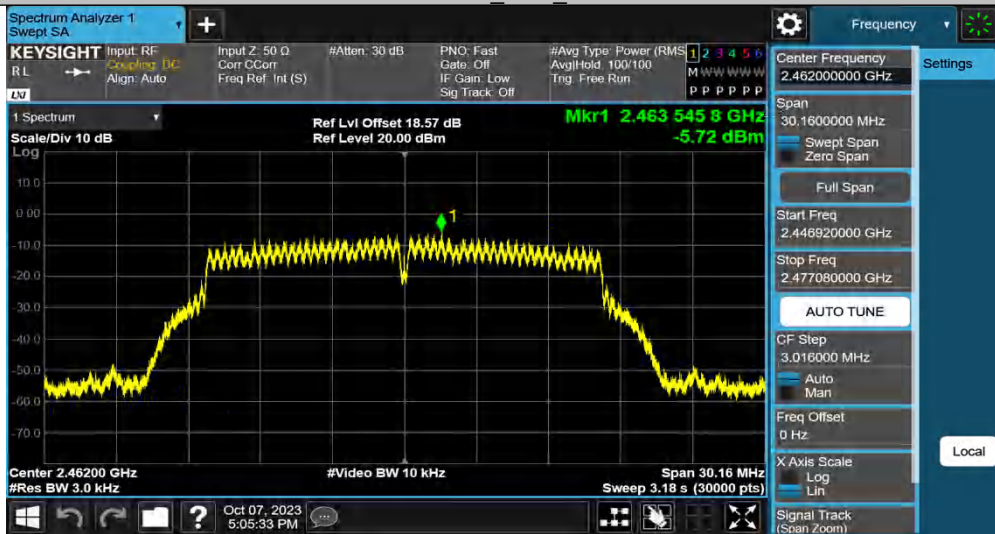




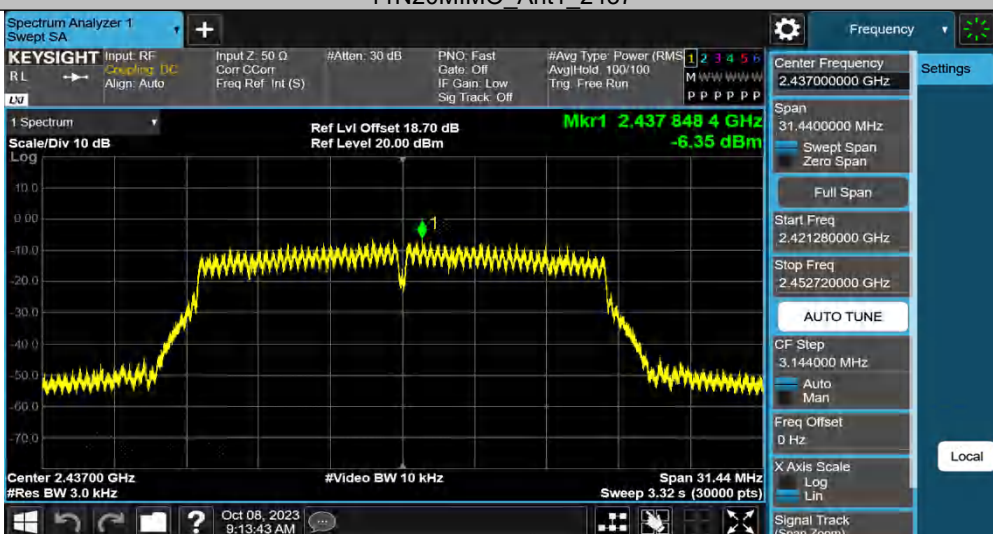
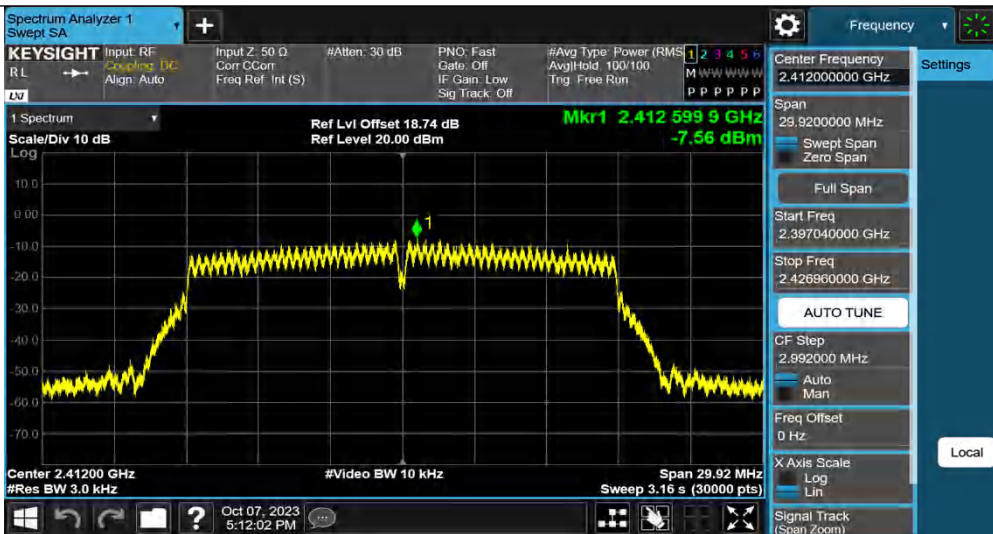
11G-CDD Ant1 2462

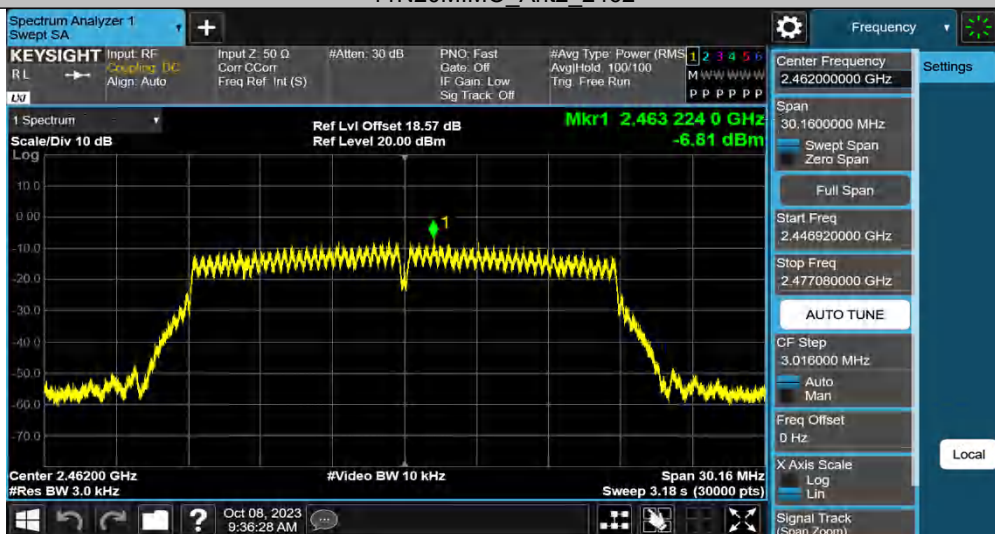
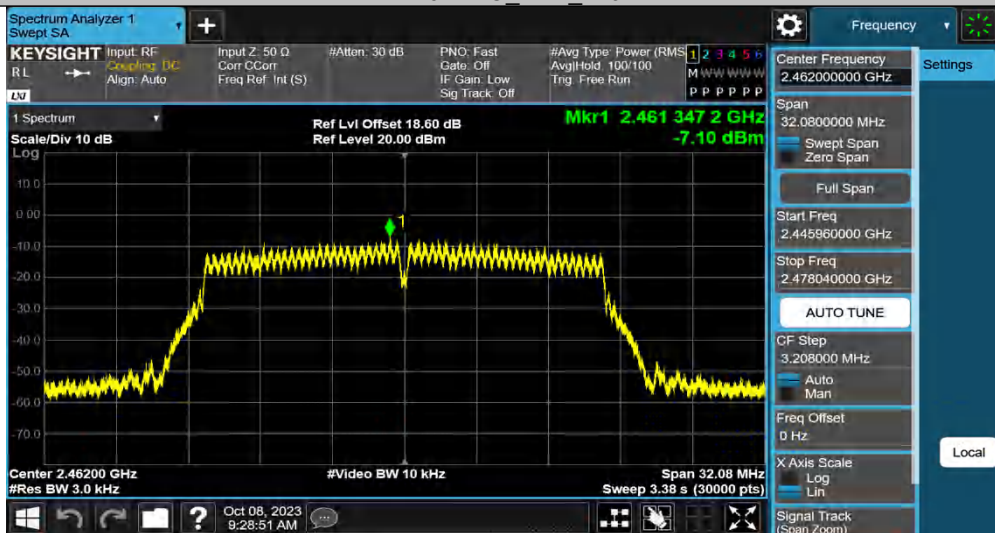
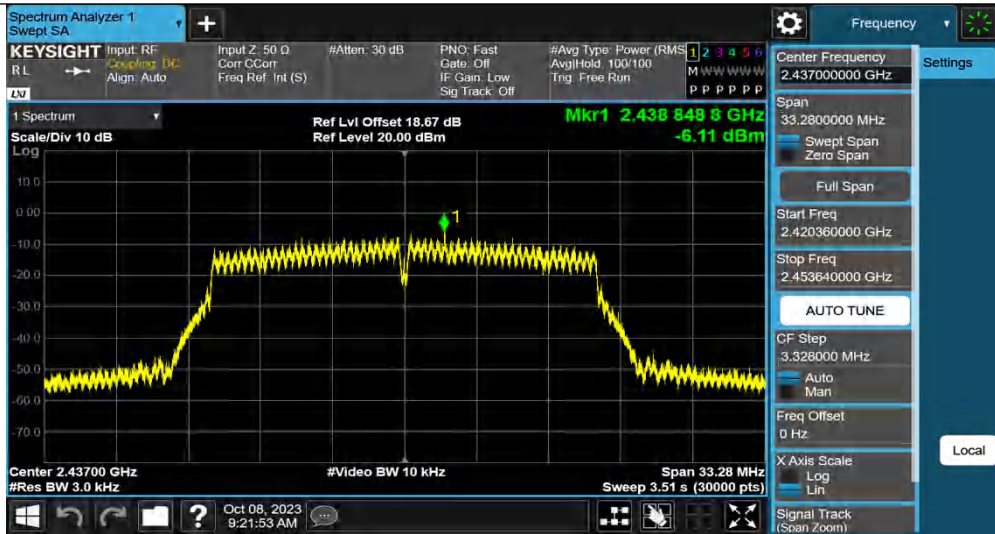


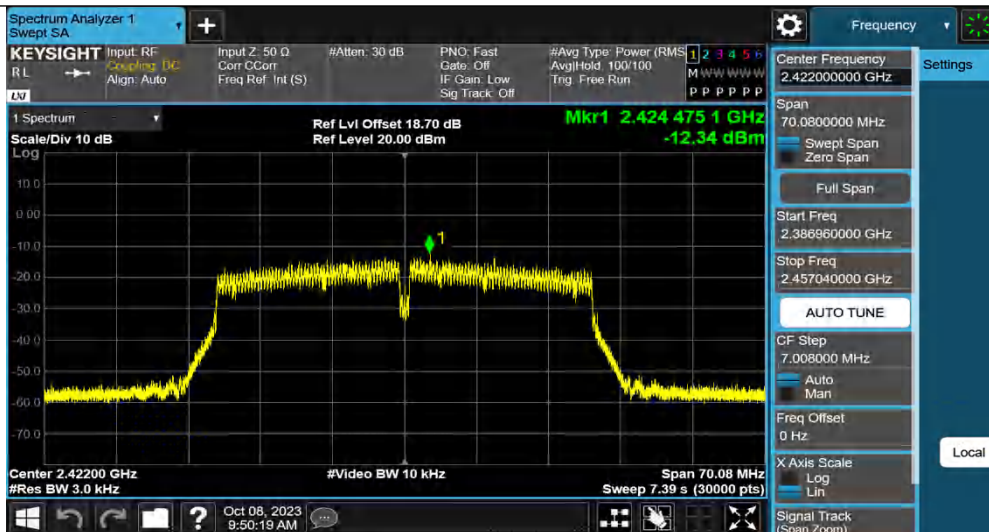
11G-CDD Ant2 2462



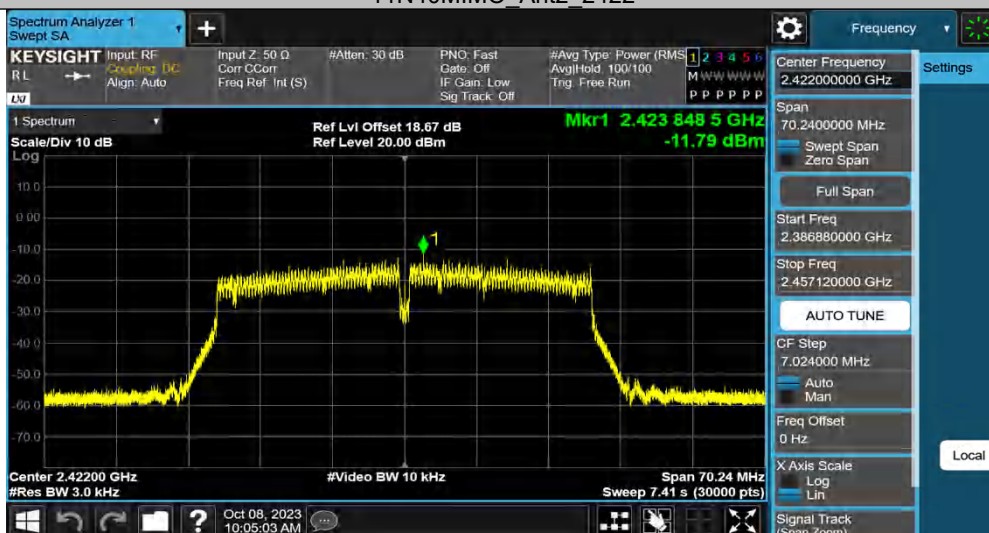
11N20MIMO Ant1 2412



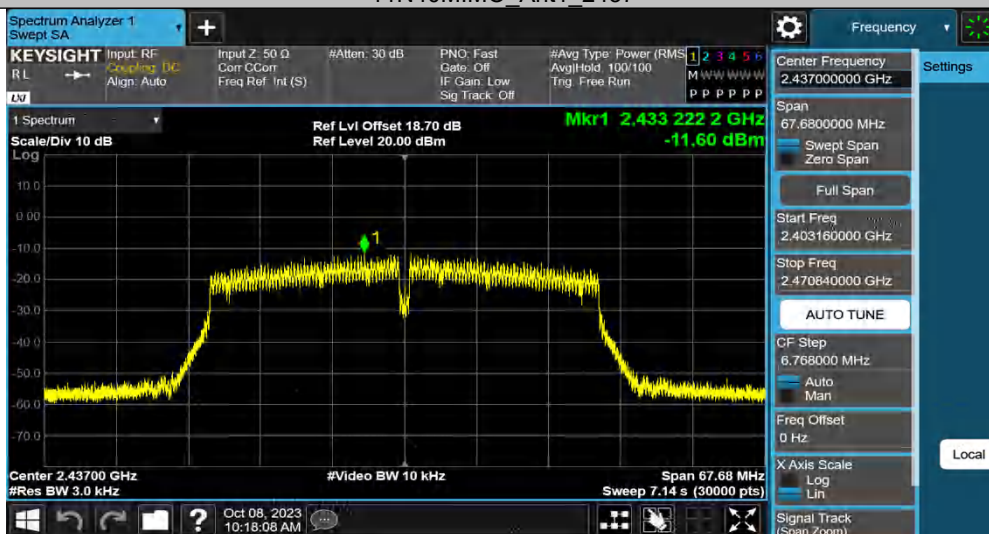




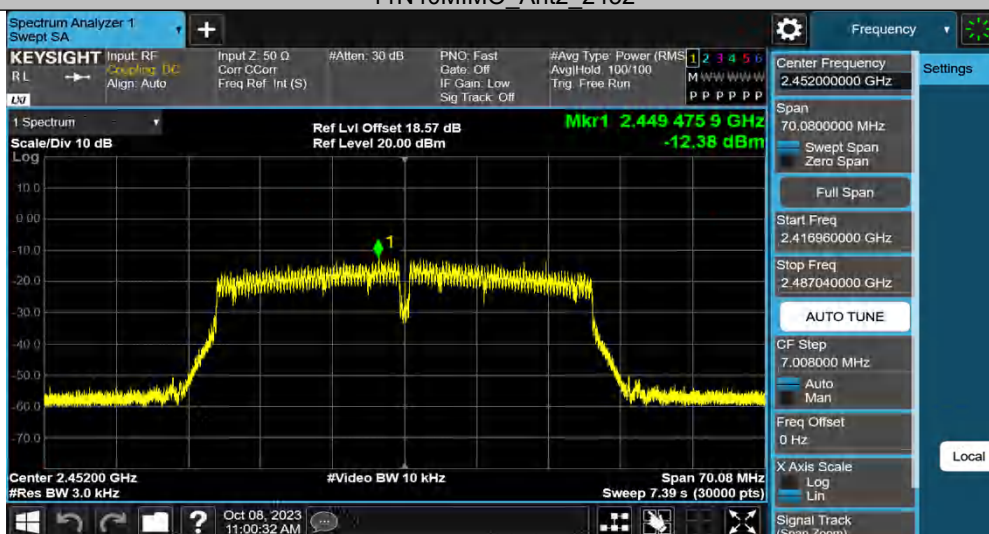
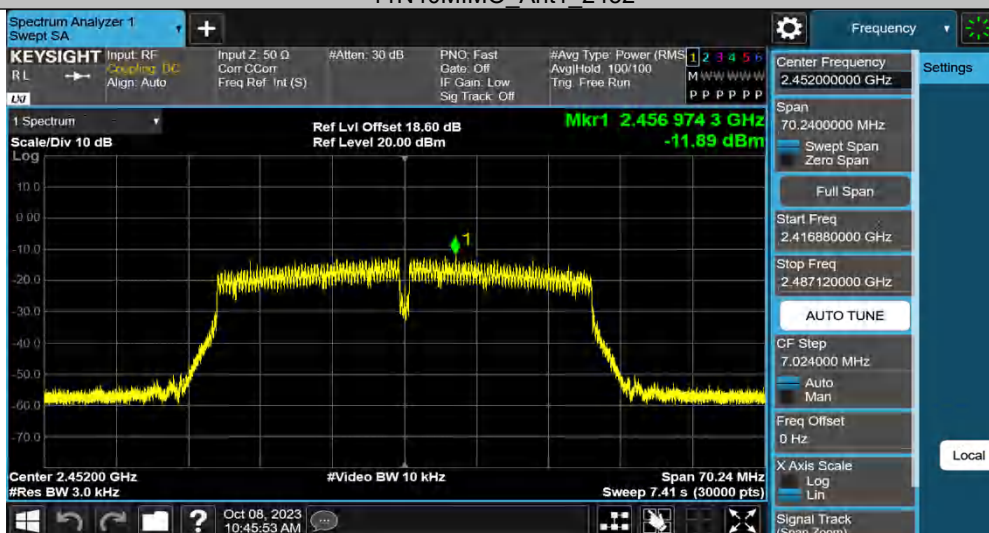
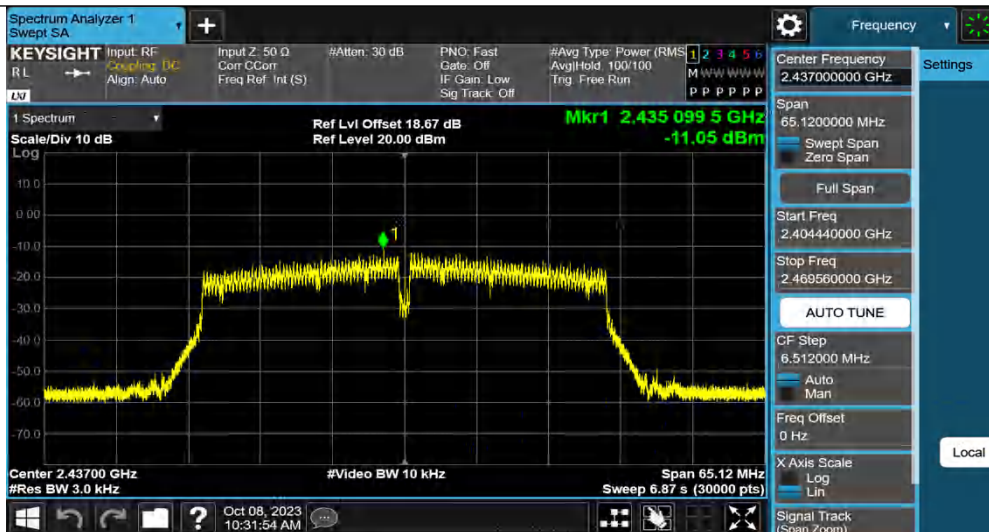
11N40MIMO Ant2 2422



11N40MIMO Ant1 2437



11N40MIMO Ant2 2437



Appendix B.2: Test Results of 6dB Bandwidth

DTS Bandwidth Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.520	2407.480	2416.000	0.5	PASS
	Ant2	2412	8.000	2408.000	2416.000	0.5	PASS
	Ant1	2437	8.600	2432.920	2441.520	0.5	PASS
	Ant2	2437	9.040	2432.440	2441.480	0.5	PASS
	Ant1	2462	8.600	2457.440	2466.040	0.5	PASS
	Ant2	2462	9.000	2457.480	2466.480	0.5	PASS
11G-CDD	Ant1	2412	16.040	2404.080	2420.120	0.5	PASS
	Ant2	2412	16.280	2403.840	2420.120	0.5	PASS
	Ant1	2437	15.040	2429.440	2444.480	0.5	PASS
	Ant2	2437	15.360	2429.400	2444.760	0.5	PASS
	Ant1	2462	15.400	2454.040	2469.440	0.5	PASS
	Ant2	2462	15.080	2454.440	2469.520	0.5	PASS
11N20MIMO	Ant1	2412	14.960	2404.560	2419.520	0.5	PASS
	Ant2	2412	15.120	2404.400	2419.520	0.5	PASS
	Ant1	2437	15.720	2429.200	2444.920	0.5	PASS
	Ant2	2437	16.640	2428.840	2445.480	0.5	PASS
	Ant1	2462	16.040	2453.440	2469.480	0.5	PASS
	Ant2	2462	15.080	2454.400	2469.480	0.5	PASS
11N40MIMO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant2	2422	35.120	2404.400	2439.520	0.5	PASS
	Ant1	2437	33.840	2419.480	2453.320	0.5	PASS
	Ant2	2437	32.560	2420.680	2453.240	0.5	PASS
	Ant1	2452	35.120	2434.400	2469.520	0.5	PASS
	Ant2	2452	35.040	2434.400	2469.440	0.5	PASS

11B-CDD Ant1 2412



11B-CDD Ant2 2412



11B-CDD Ant1 2437



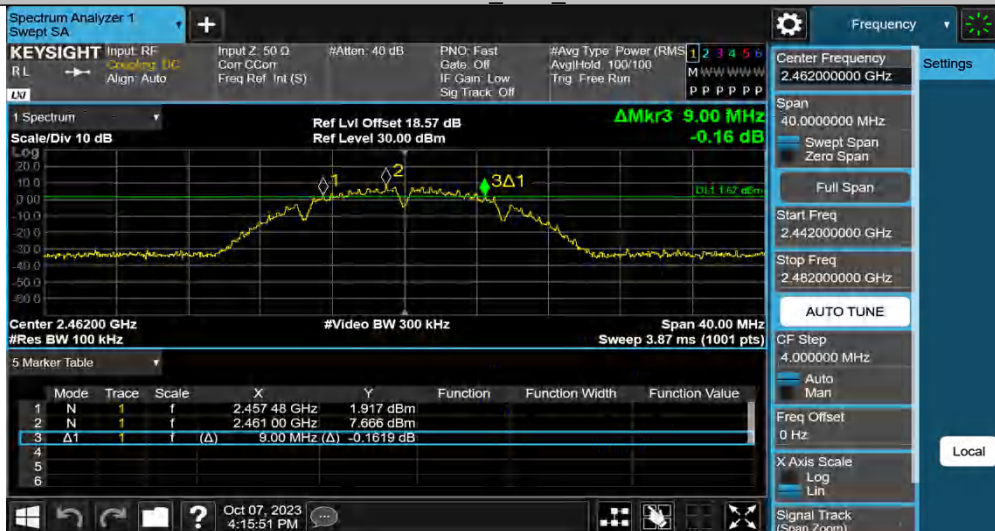
11B-CDD Ant2 2437



11B-CDD Ant1 2462



11B-CDD Ant2 2462



11G-CDD Ant1 2412



11G-CDD Ant2 2412



11G-CDD Ant1 2437



11G-CDD Ant2 2437



11G-CDD Ant1 2462



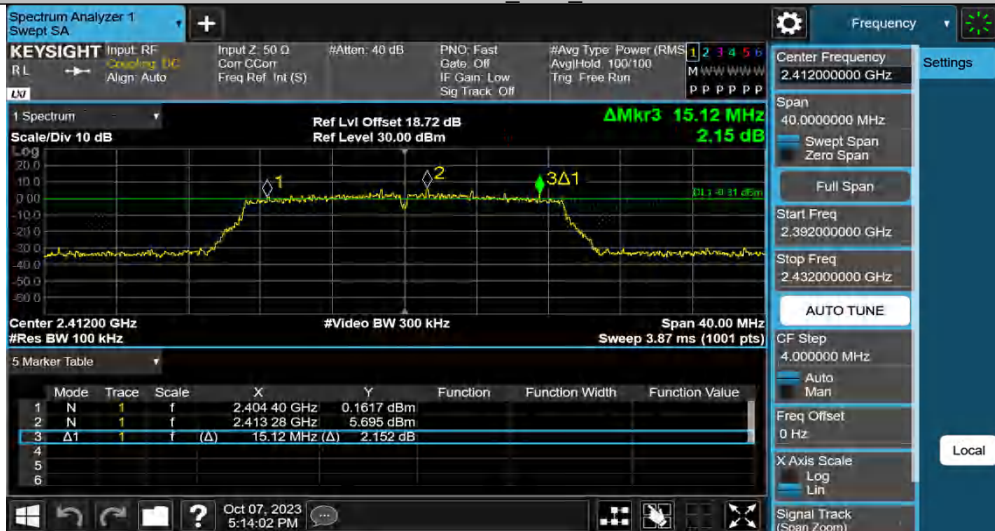
11G-CDD Ant2 2462



11N20MIMO Ant1 2412



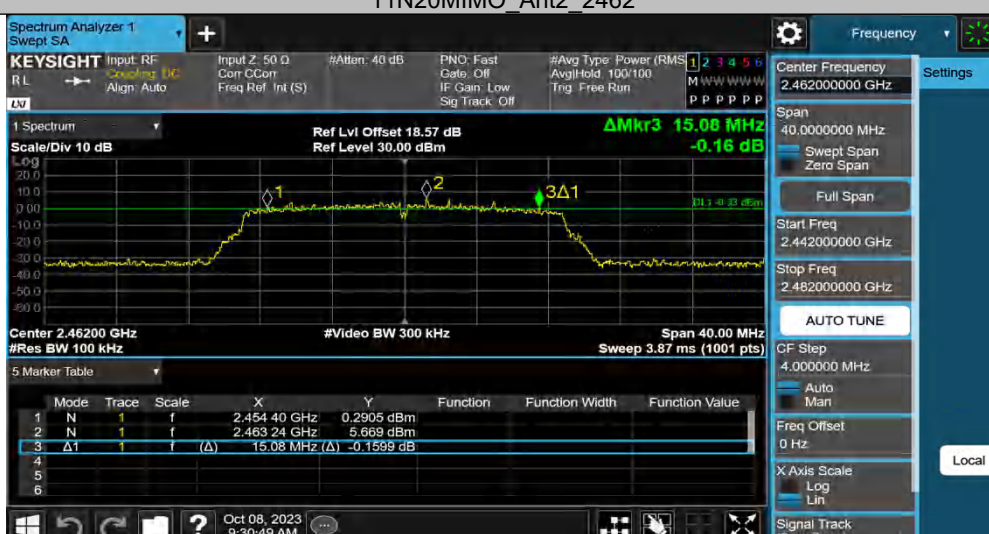
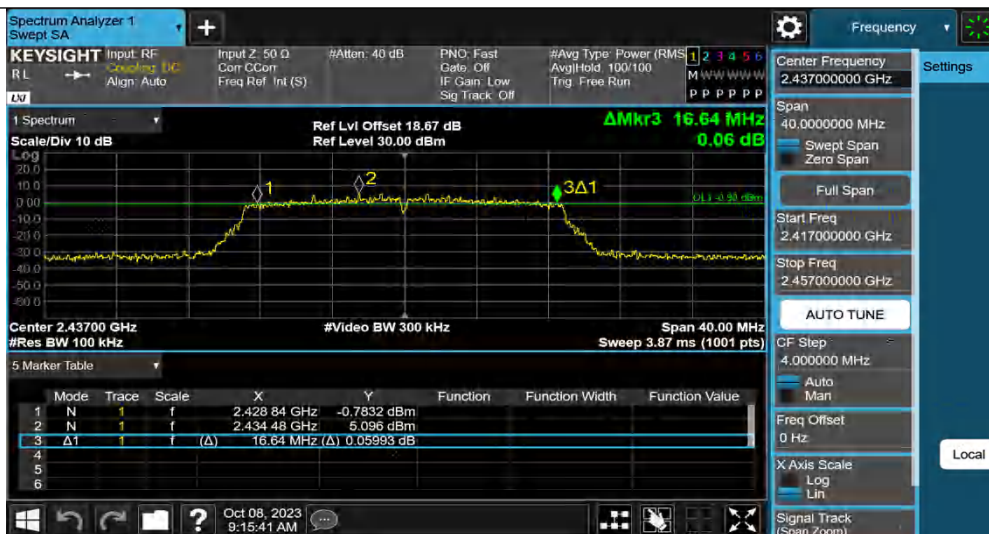
11N20MIMO Ant2 2412

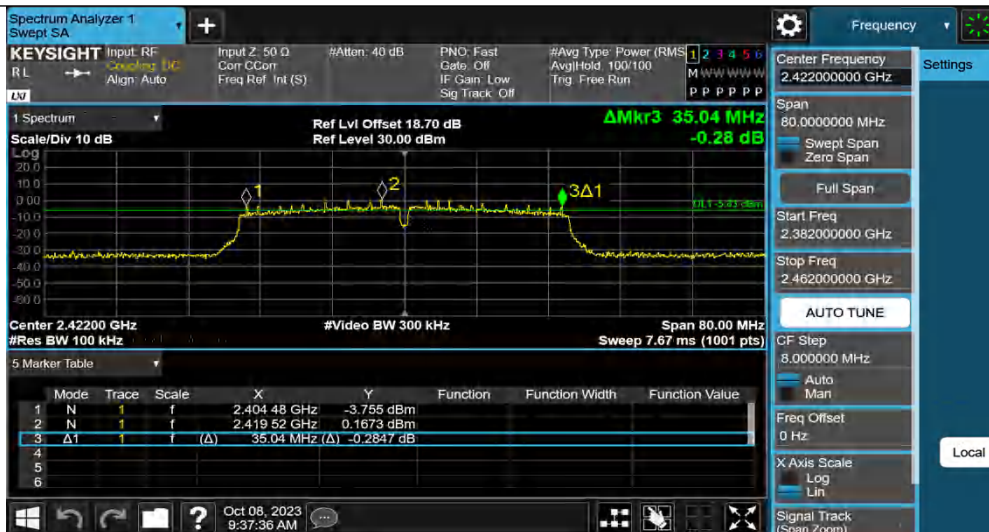


11N20MIMO Ant1 2437



11N20MIMO Ant2 2437

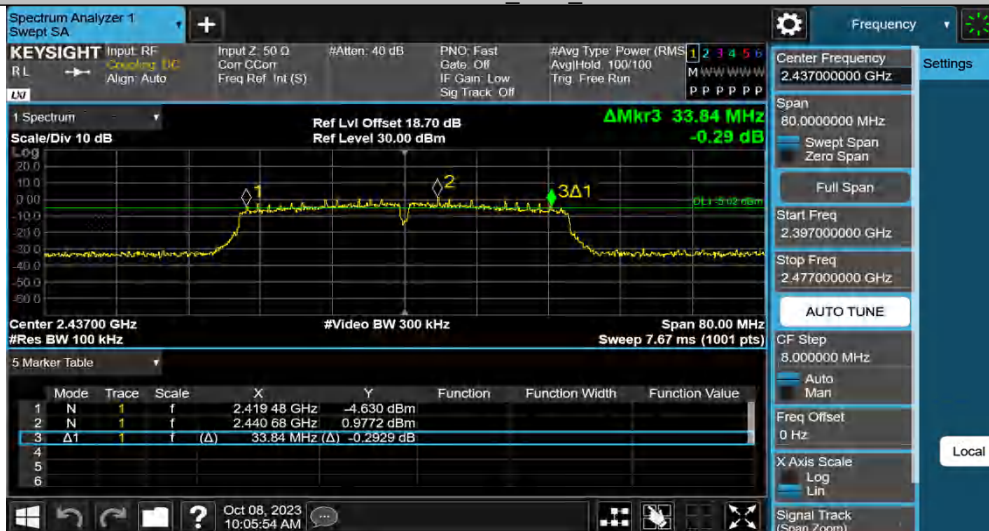




11N40MIMO Ant2 2422



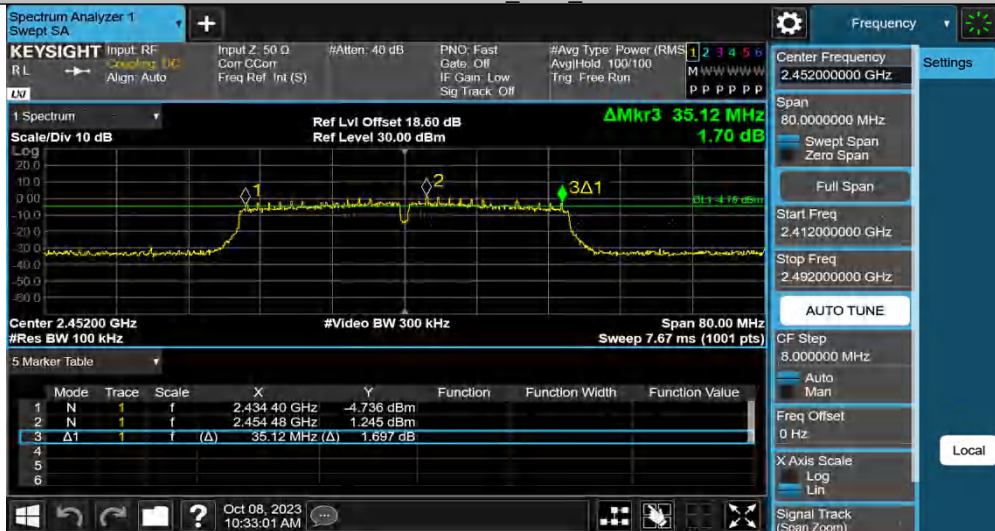
11N40MIMO Ant1 2437



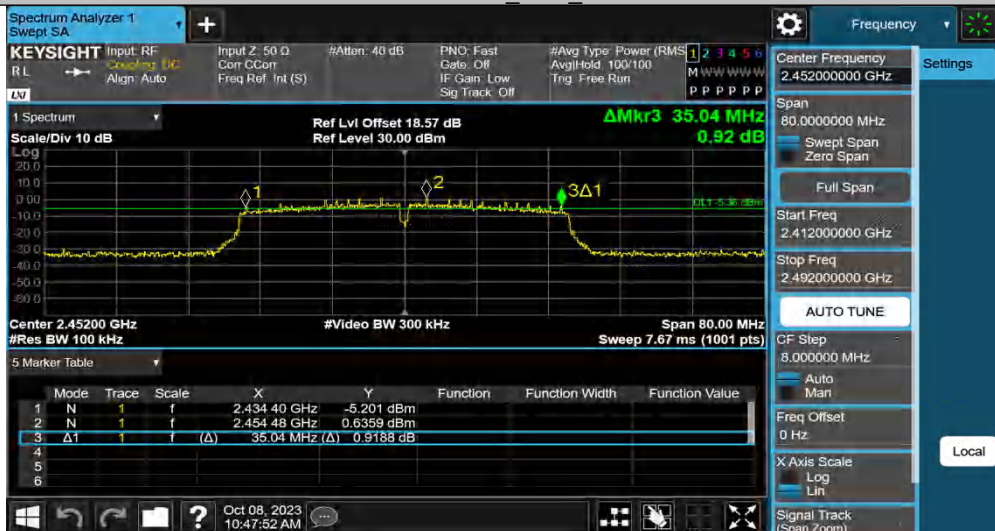
11N40MIMO Ant2 2437



11N40MIMO Ant1 2452



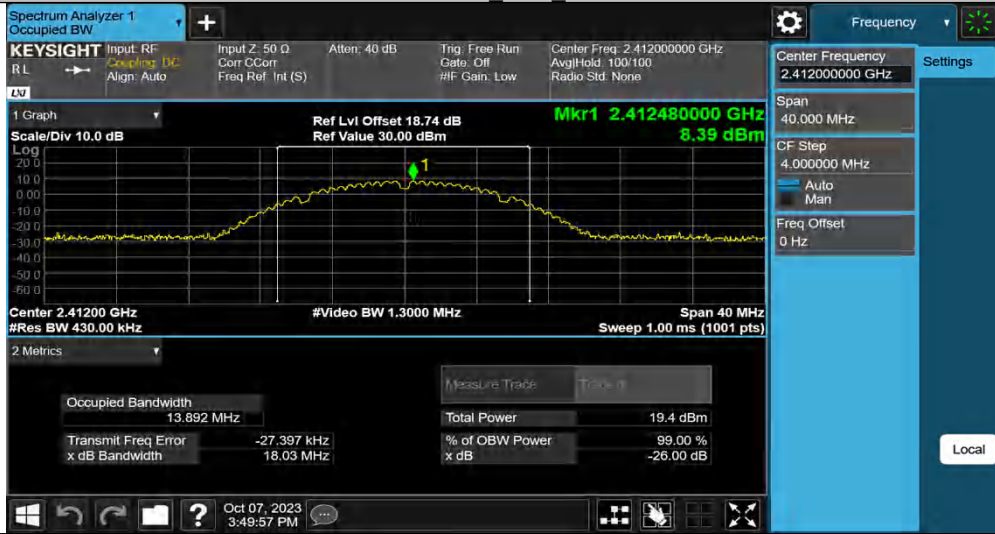
11N40MIMO Ant2 2452



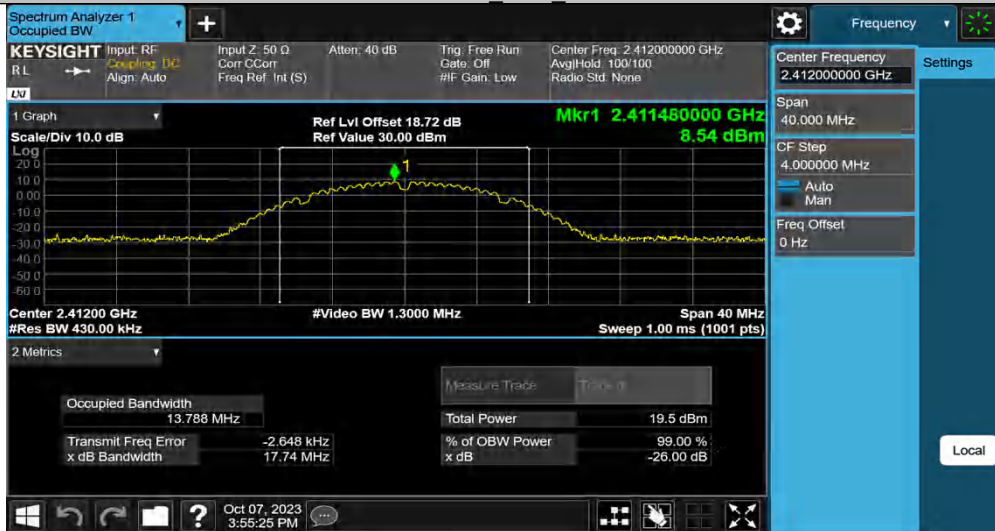
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	13.892	2405.0266	2418.9186	---	---
	Ant2	2412	13.788	2405.1034	2418.8914	---	---
	Ant1	2437	13.762	2430.0765	2443.8385	---	---
	Ant2	2437	13.783	2430.0913	2443.8743	---	---
	Ant1	2462	13.732	2455.0560	2468.7880	---	---
	Ant2	2462	13.767	2455.0496	2468.8166	---	---
11G-CDD	Ant1	2412	16.795	2403.5864	2420.3814	---	---
	Ant2	2412	16.662	2403.6647	2420.3267	---	---
	Ant1	2437	16.808	2428.5511	2445.3591	---	---
	Ant2	2437	16.708	2428.6521	2445.3601	---	---
	Ant1	2462	16.871	2453.5229	2470.3939	---	---
	Ant2	2462	16.689	2453.6076	2470.2966	---	---
11N20MIMO	Ant1	2412	17.764	2403.0931	2420.8571	---	---
	Ant2	2412	17.751	2403.1279	2420.8789	---	---
	Ant1	2437	17.859	2428.0509	2445.9099	---	---
	Ant2	2437	17.727	2428.1540	2445.8810	---	---
	Ant1	2462	17.865	2453.0334	2470.8984	---	---
	Ant2	2462	17.691	2453.1084	2470.7994	---	---
11N40MIMO	Ant1	2422	36.299	2403.8484	2440.1474	---	---
	Ant2	2422	36.331	2403.8850	2440.2160	---	---
	Ant1	2437	36.190	2418.9172	2455.1072	---	---
	Ant2	2437	36.076	2418.9738	2455.0498	---	---
	Ant1	2452	36.197	2433.9284	2470.1254	---	---
	Ant2	2452	36.236	2433.8958	2470.1318	---	---

11B-CDD Ant1 2412



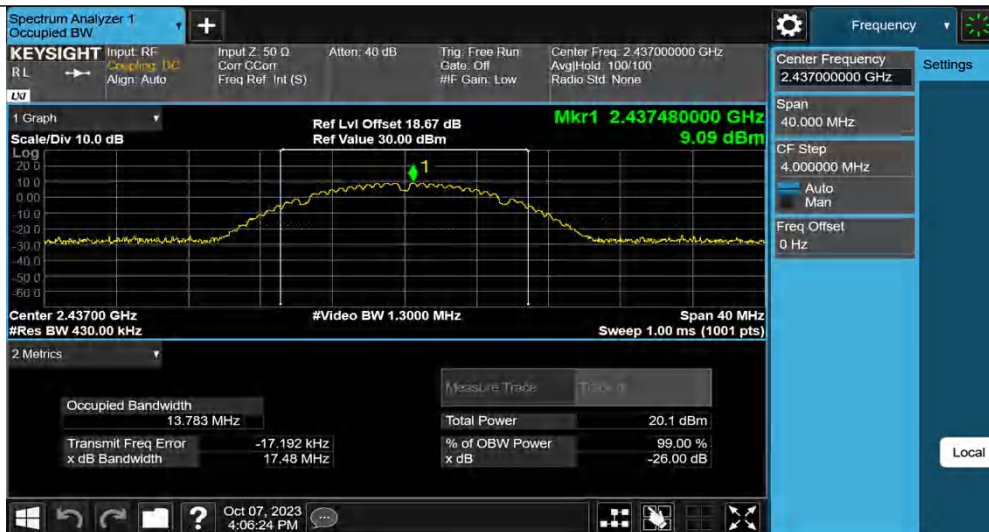
11B-CDD Ant2 2412



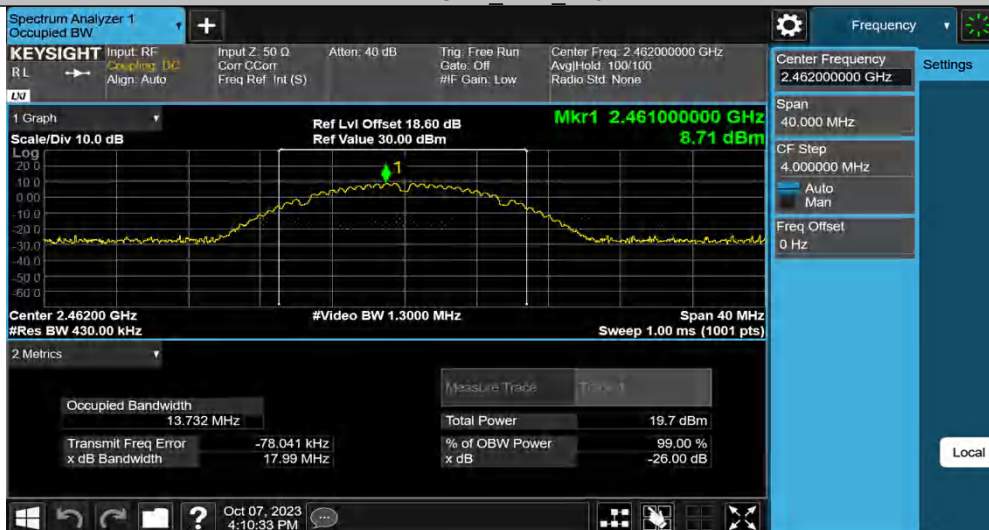
11B-CDD Ant1 2437



11B-CDD Ant2 2437



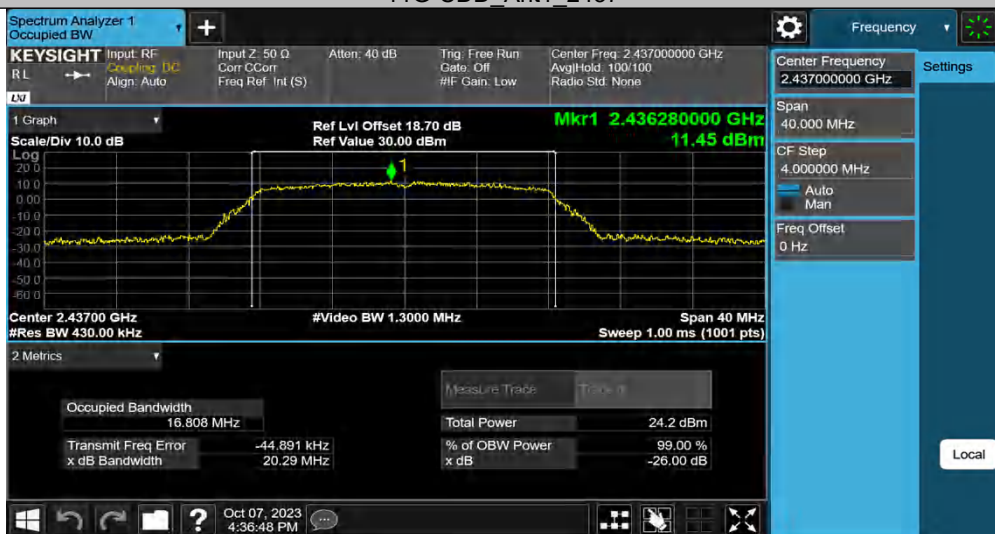
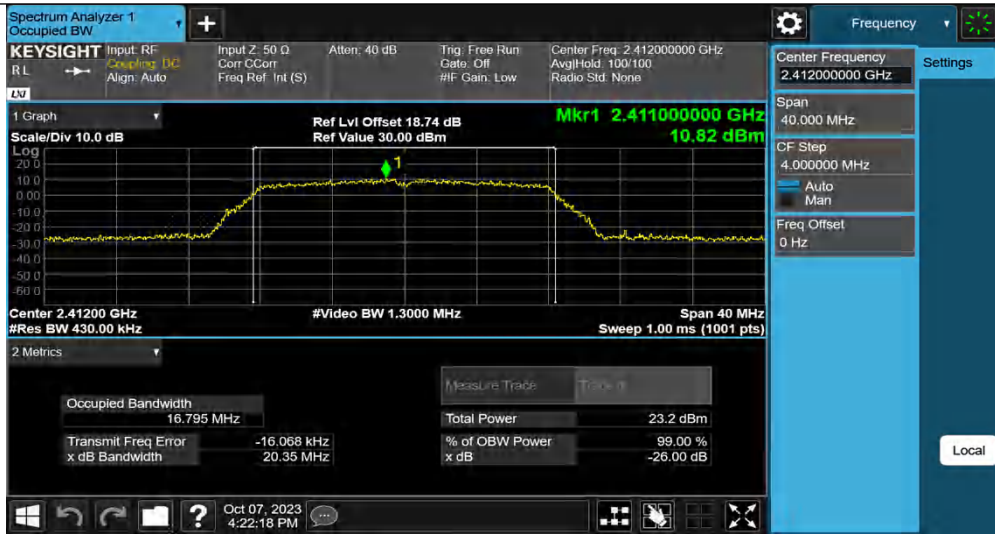
11B-CDD Ant1 2462

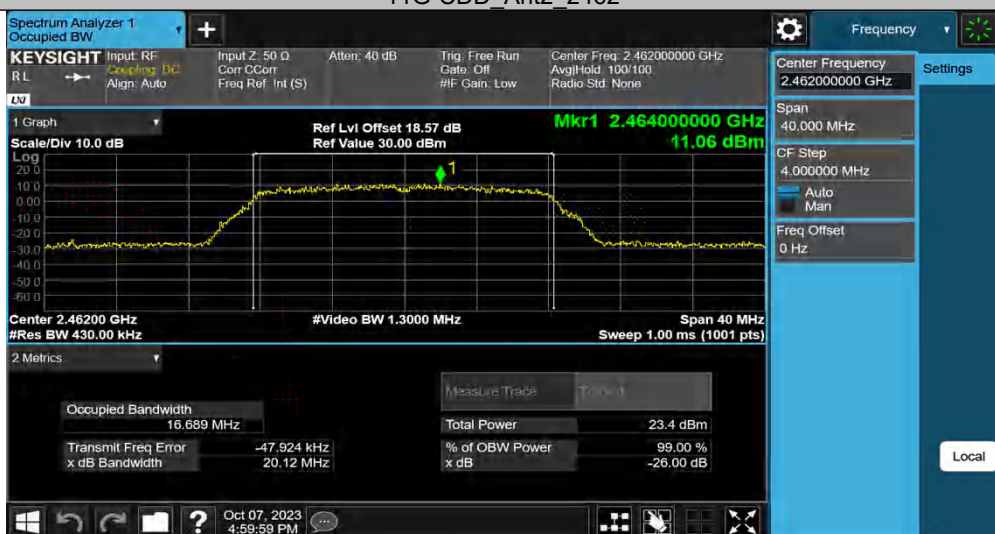
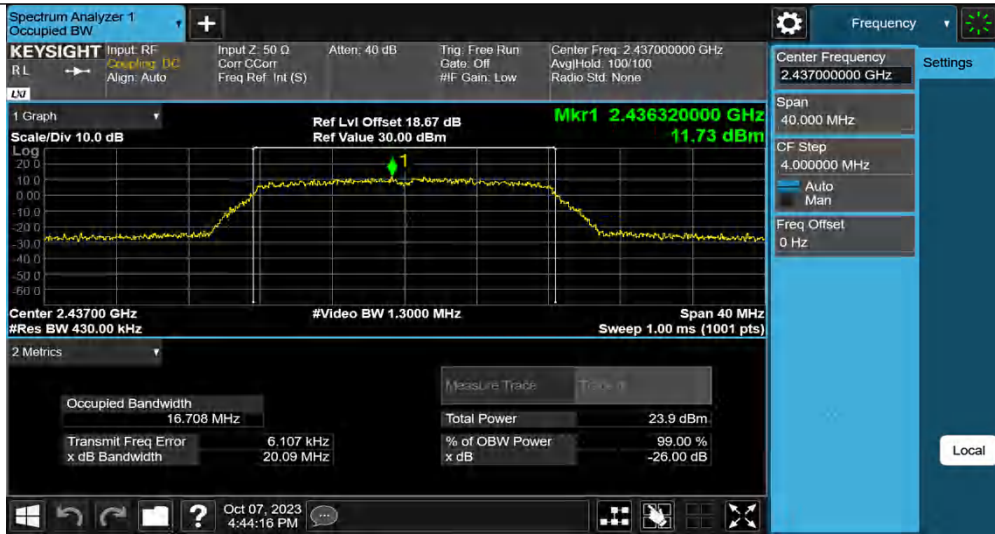


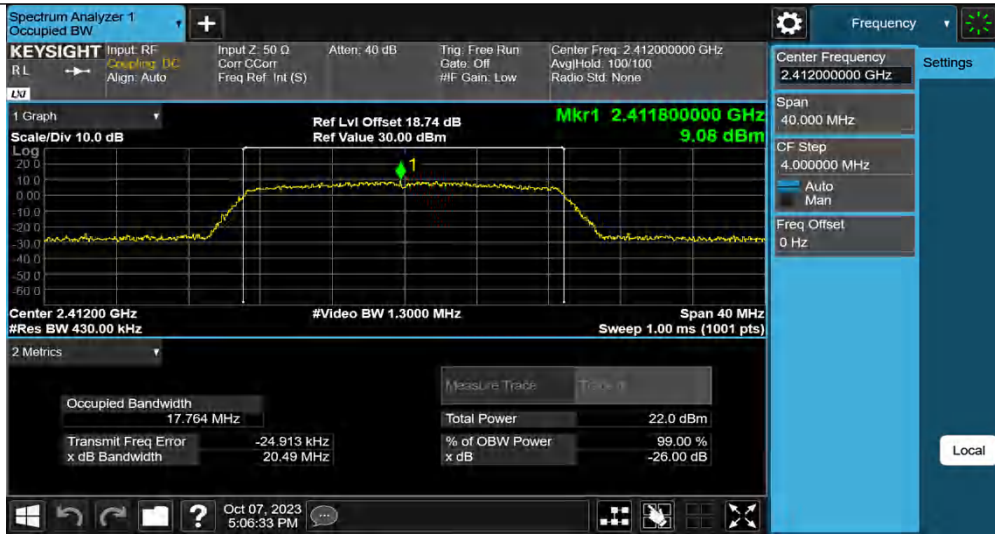
11B-CDD Ant2 2462

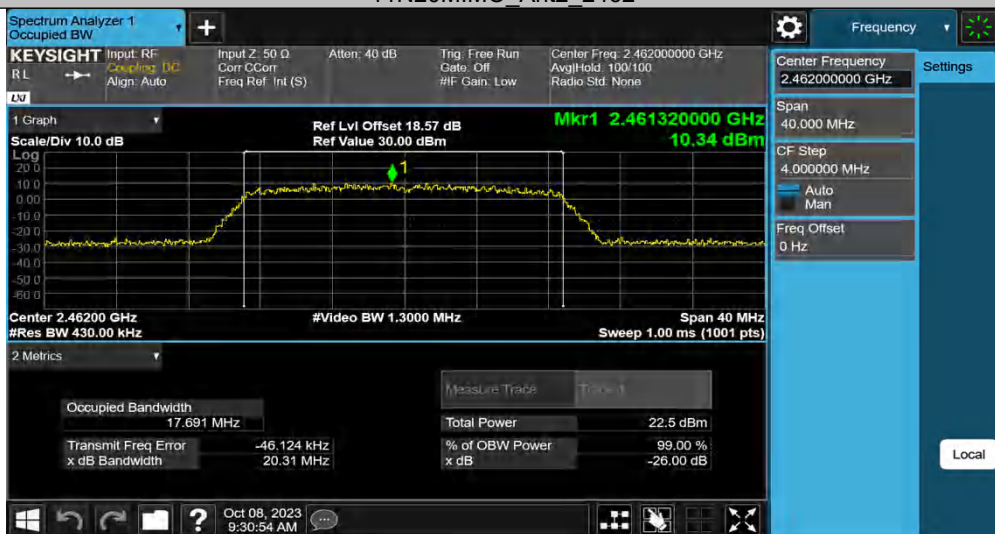
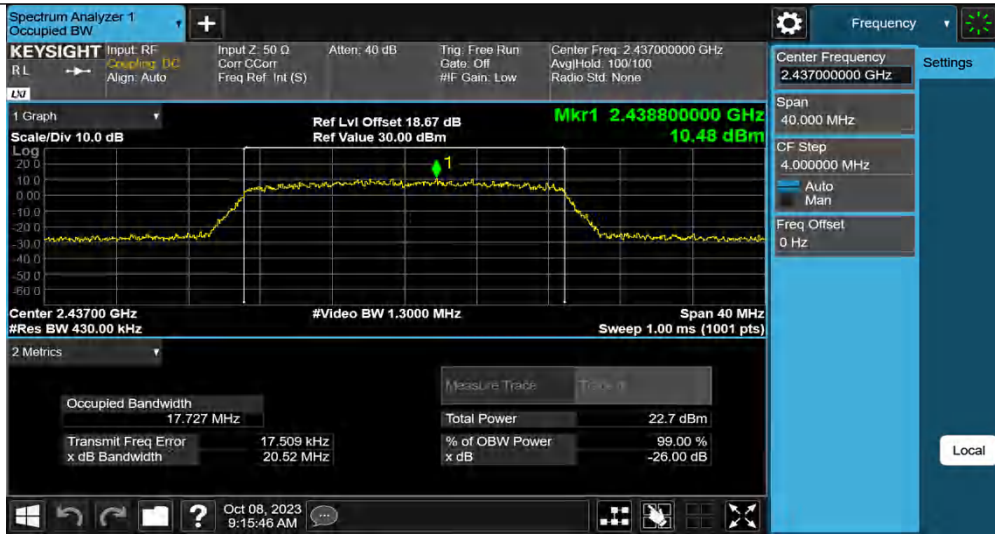


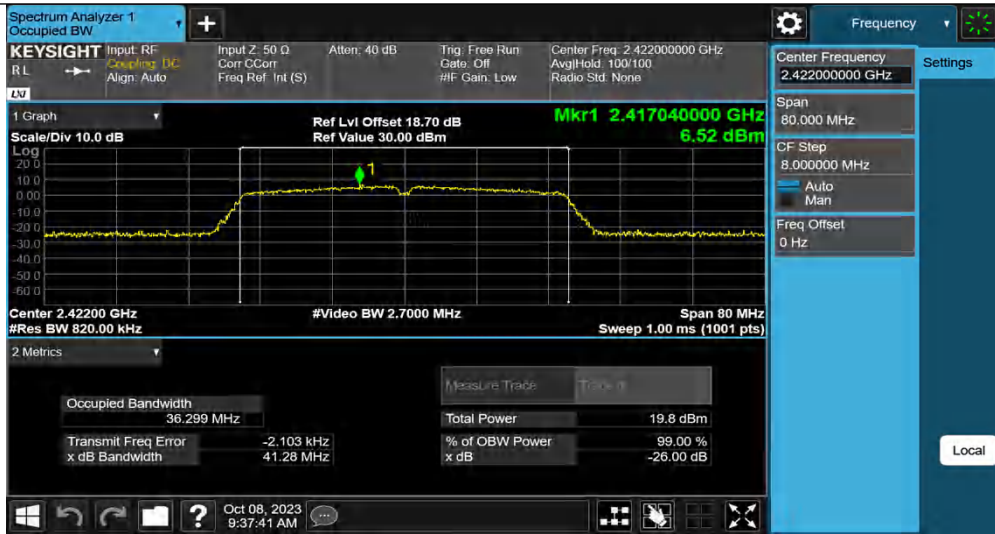
11G-CDD Ant1 2412



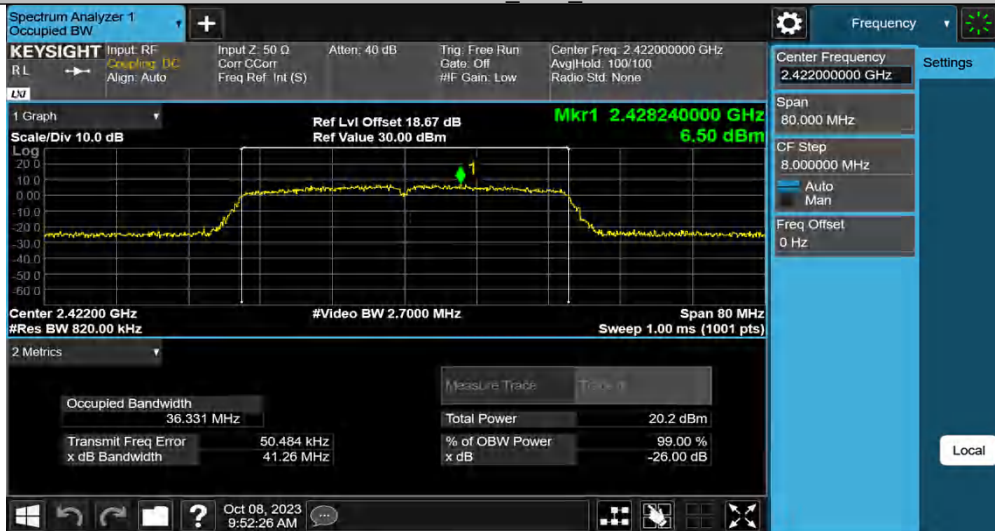




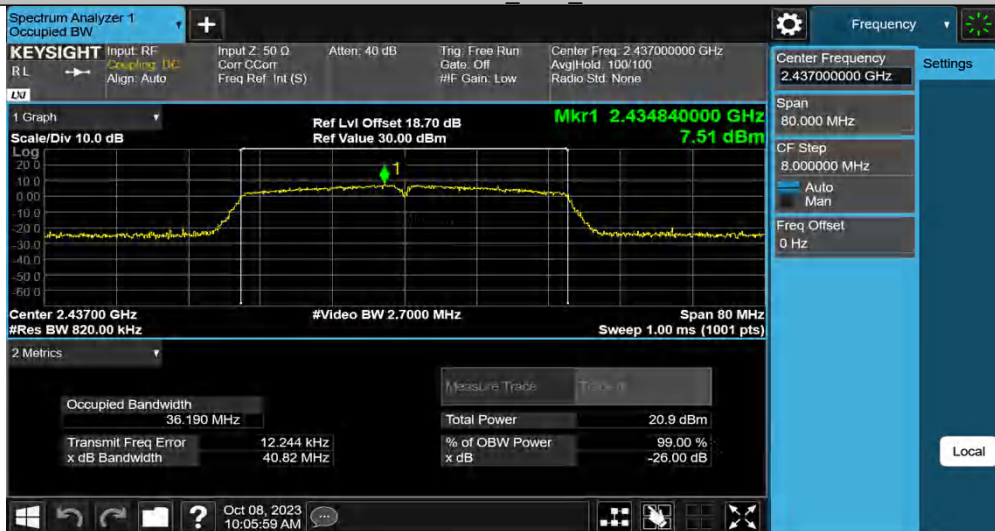




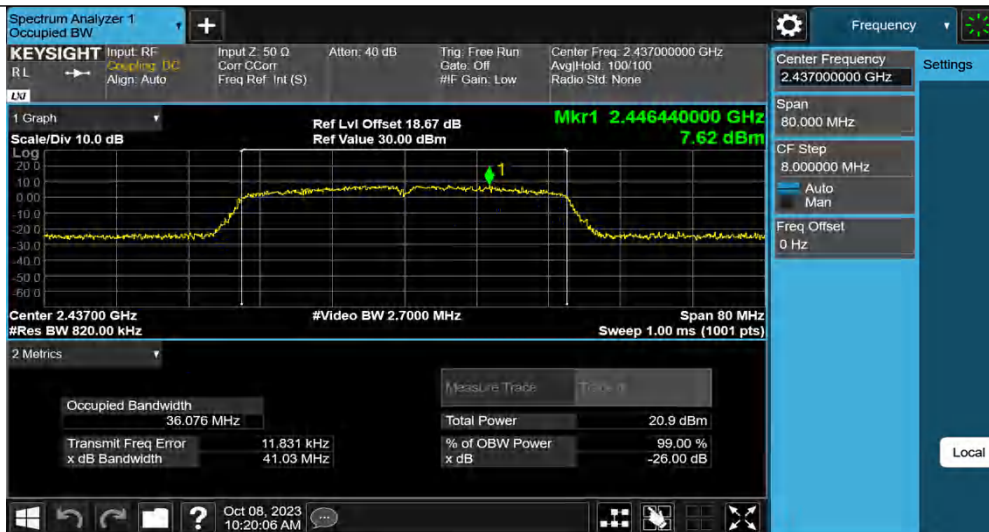
11N40MIMO Ant2 2422



11N40MIMO Ant1 2437



11N40MIMO Ant2 2437



11N40MIMO Ant1 2452



11N40MIMO Ant2 2452



Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	Reference	5.84	5.84	---	PASS
			30~1000	5.84	-41.27	≤-14.16	PASS
			1000~26500	5.84	-31.88	≤-14.16	PASS
		2437	Reference	8.34	8.34	---	PASS
			30~1000	8.34	-41.72	≤-11.66	PASS
			1000~26500	8.34	-32.03	≤-11.66	PASS
		2462	Reference	6.37	6.37	---	PASS
			30~1000	6.37	-41.42	≤-13.63	PASS
			1000~26500	6.37	-31.84	≤-13.63	PASS
11G-CDD	Ant1	2412	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-41.65	≤-15.89	PASS
			1000~26500	4.11	-31.48	≤-15.89	PASS
		2437	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-42.49	≤-14.69	PASS
			1000~26500	5.31	-32.38	≤-14.69	PASS
		2462	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-40.56	≤-16.48	PASS
			1000~26500	3.52	-31.91	≤-16.48	PASS
11N20MIMO	Ant1	2412	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-41.77	≤-16.36	PASS
			1000~26500	3.64	-31.4	≤-16.36	PASS
		2437	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-40.8	≤-15.95	PASS
			1000~26500	4.05	-32.54	≤-15.95	PASS
		2462	Reference	3.16	3.16	---	PASS
			30~1000	3.16	-41.54	≤-16.84	PASS
			1000~26500	3.16	-32.38	≤-16.84	PASS
11N40MIMO	Ant1	2422	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-41.57	≤-22.92	PASS
			1000~26500	-2.92	-32.79	≤-22.92	PASS
		2437	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-39.77	≤-20.21	PASS
			1000~26500	-0.21	-32.05	≤-20.21	PASS
		2452	Reference	0.71	0.71	---	PASS
			30~1000	0.71	-41.9	≤-19.29	PASS
			1000~26500	0.71	-32.49	≤-19.29	PASS

All modes and ports tested, only the worst-case report

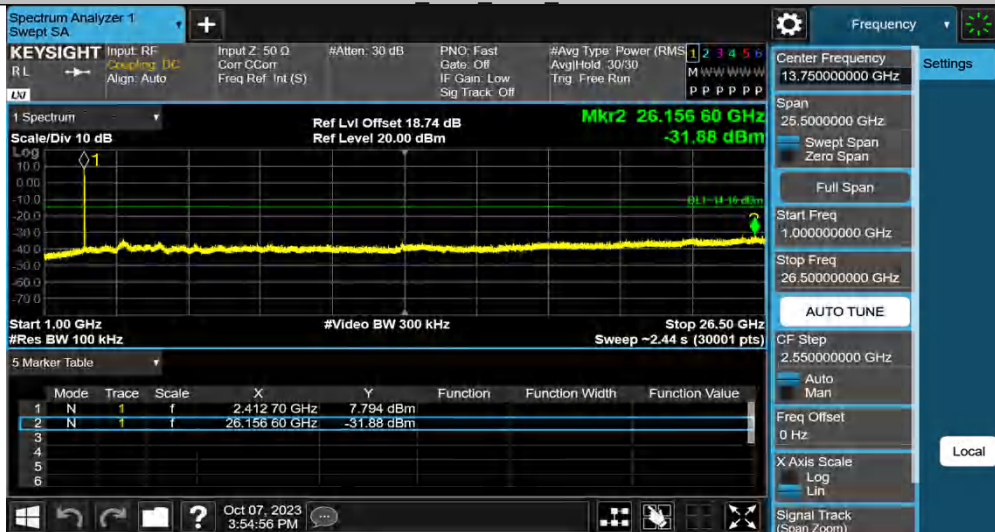
11B-CDD Ant1 2412 0~Reference



11B-CDD Ant1 2412 30~1000



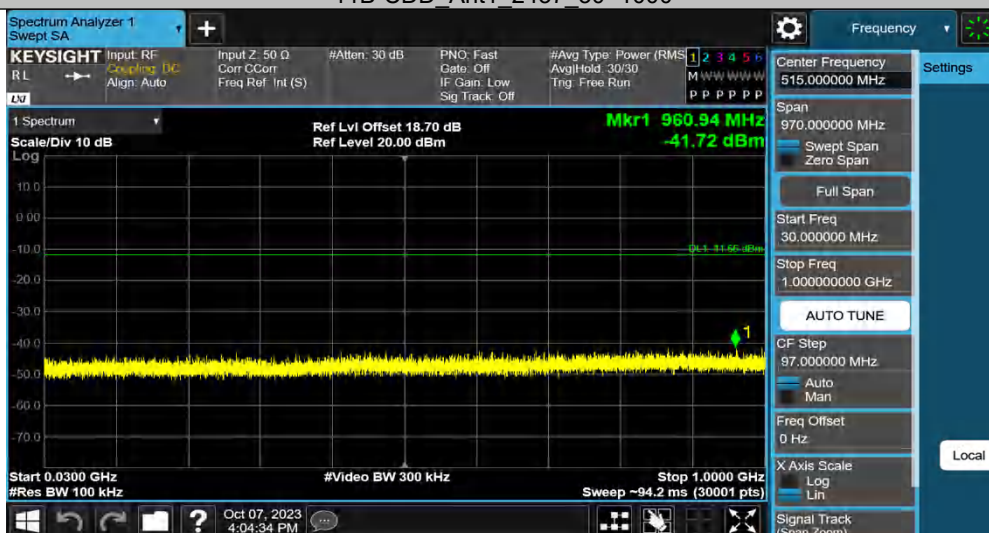
11B-CDD Ant1 2412 1000~26500



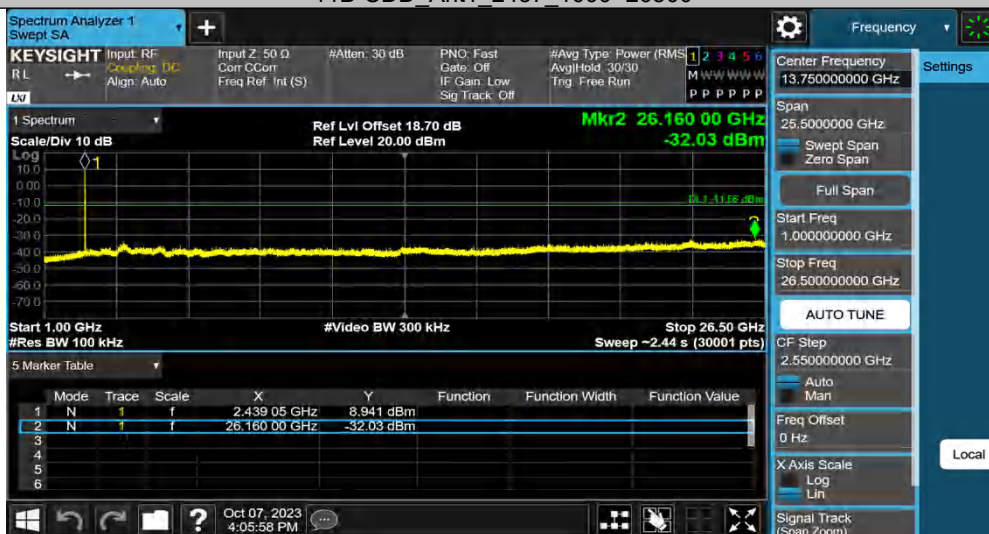
11B-CDD Ant1 2437 0~Reference



11B-CDD Ant1 2437 30~1000



11B-CDD Ant1 2437 1000~26500



11B-CDD Ant1 2462_0~Reference



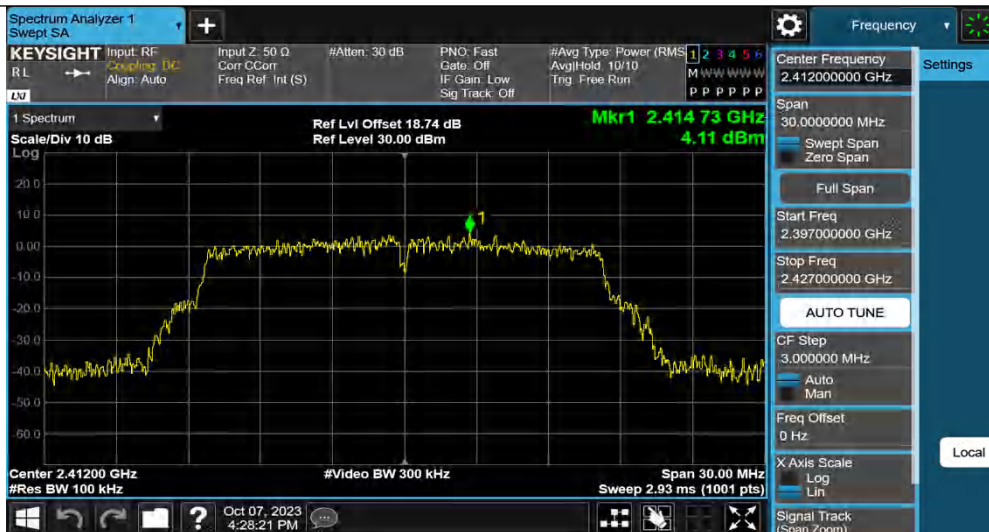
11B-CDD Ant1_2462_30~1000



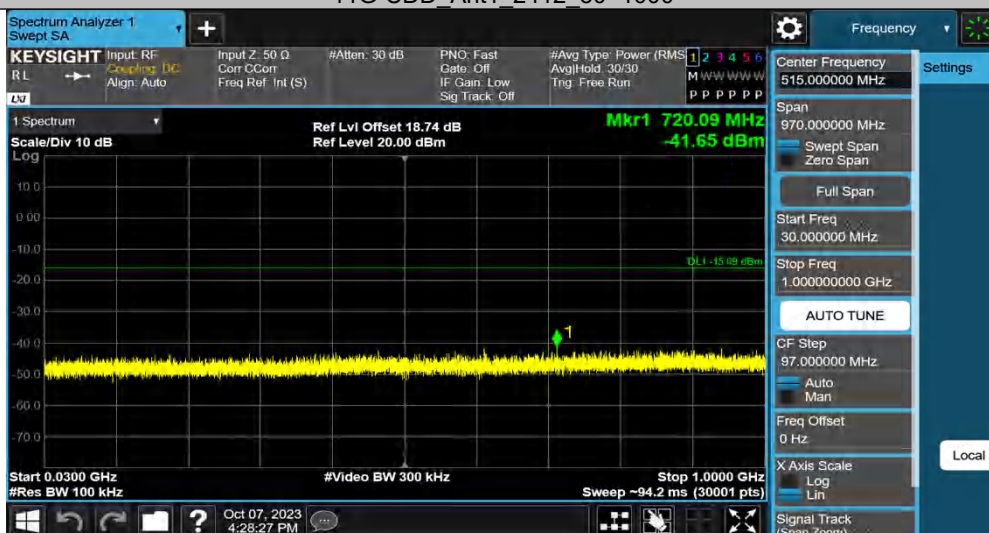
11B-CDD Ant1_2462_1000~26500



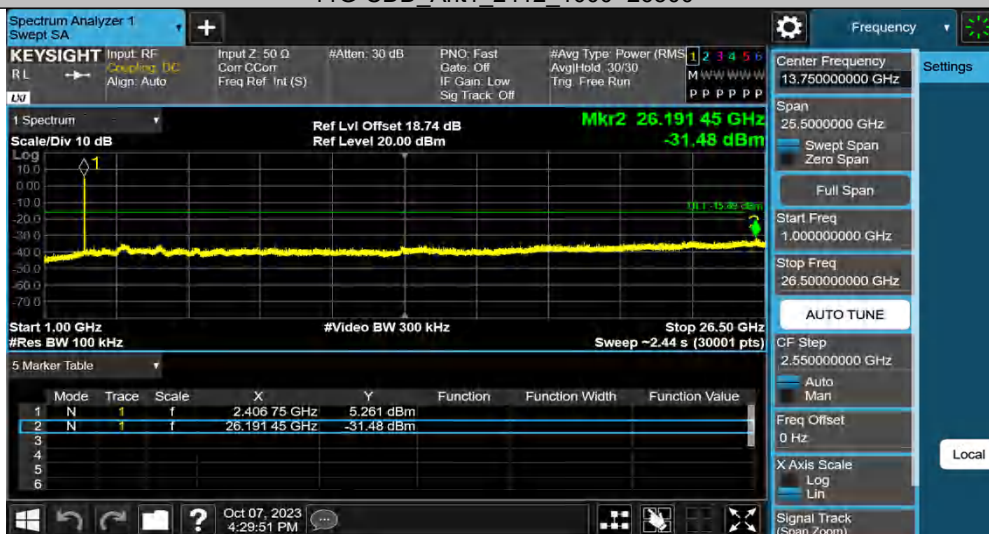
11G-CDD_Ant1_2412_0~Reference



11G-CDD_Ant1_2412_30~1000



11G-CDD_Ant1_2412_1000~26500



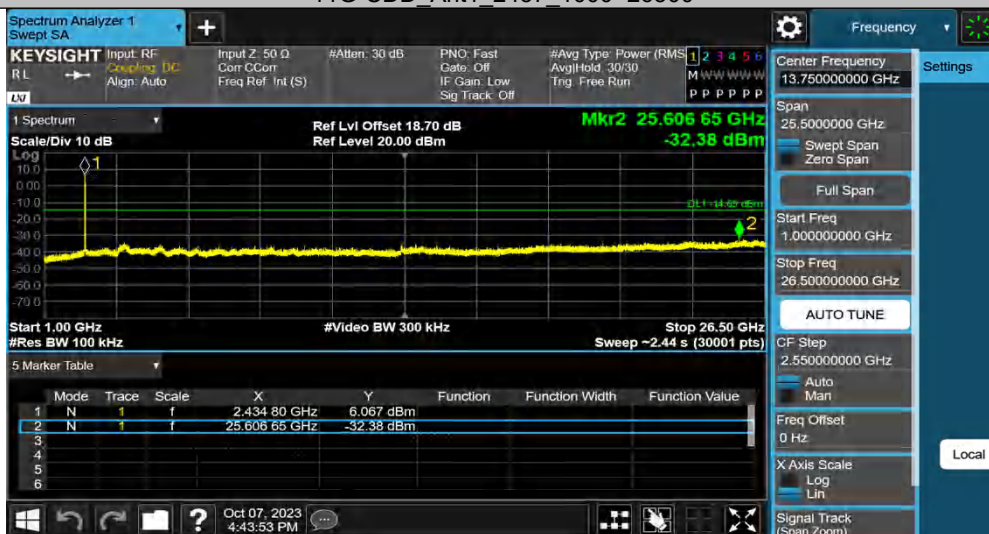
11G-CDD_Ant1_2437_0~Reference



11G-CDD_Ant1_2437_30~1000



11G-CDD_Ant1_2437_1000~26500



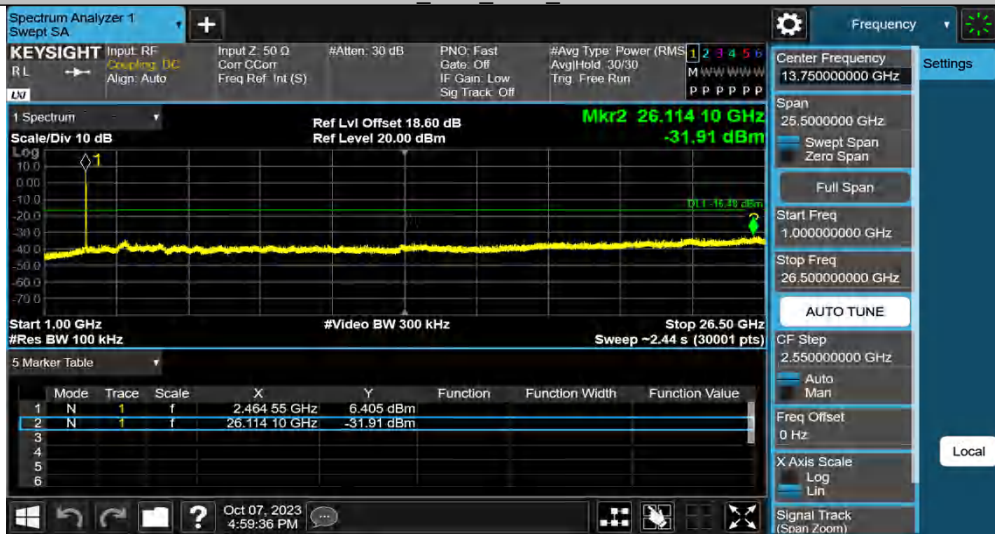
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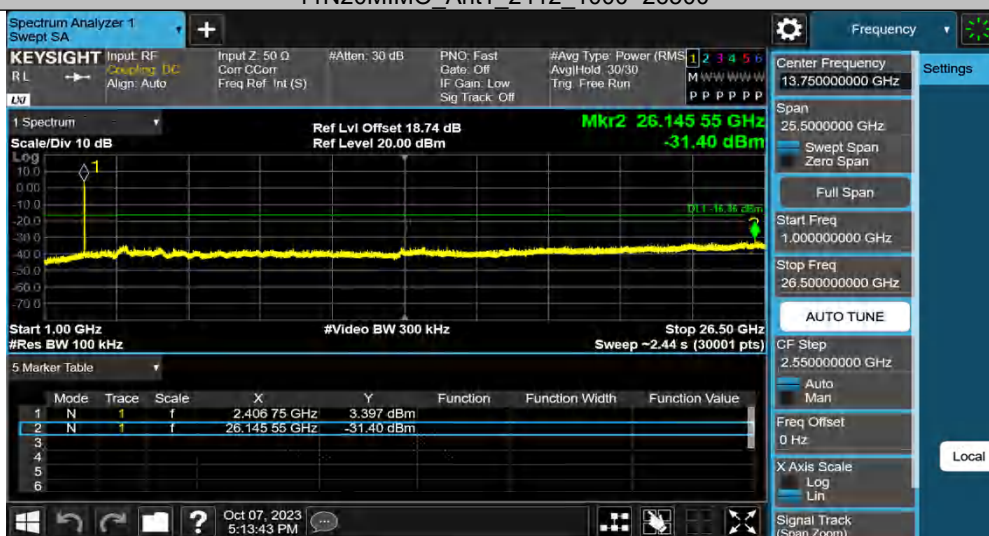
11G-CDD Ant1_2462_30~1000



11G-CDD Ant1_2462_1000~26500

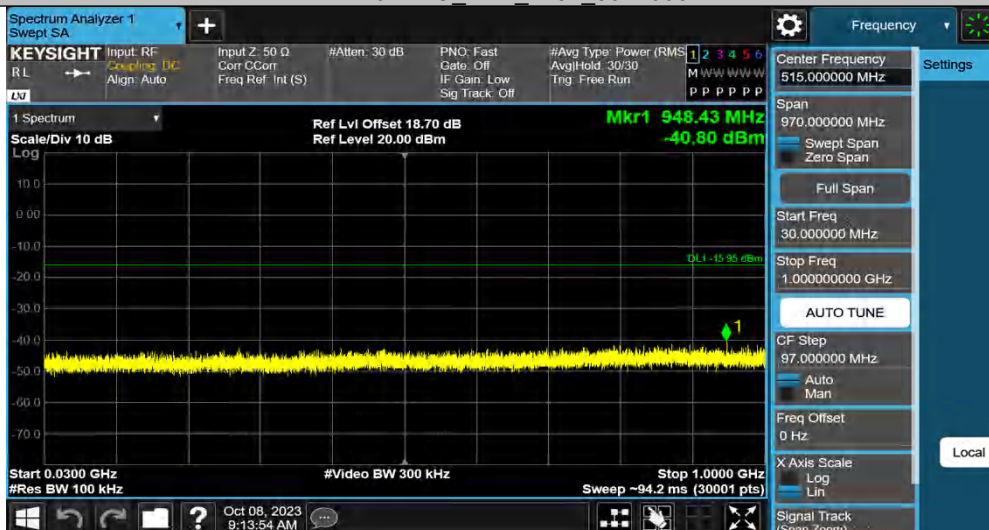


11N20MIMO_Ant1_2412_0~Reference

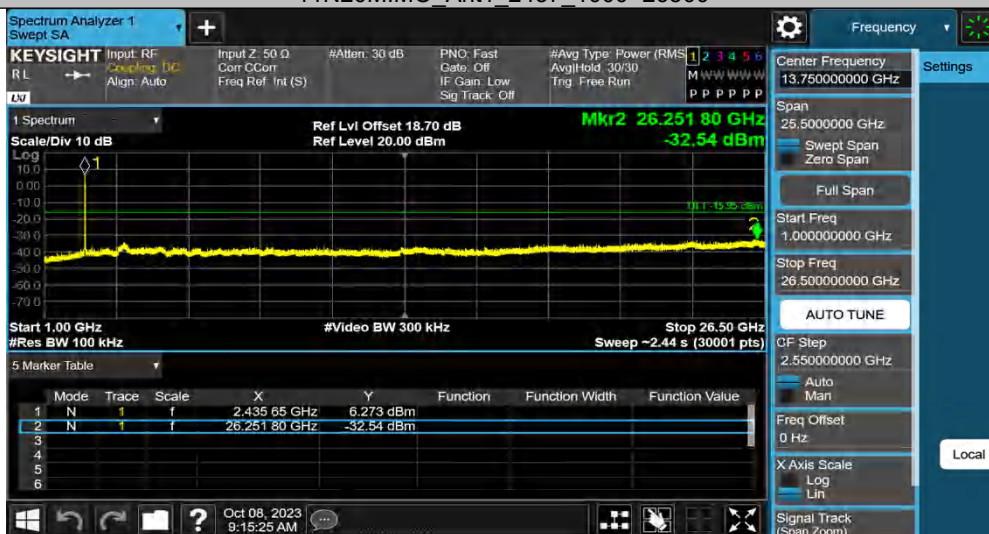




11N20MIMO Ant1 2437 30~1000



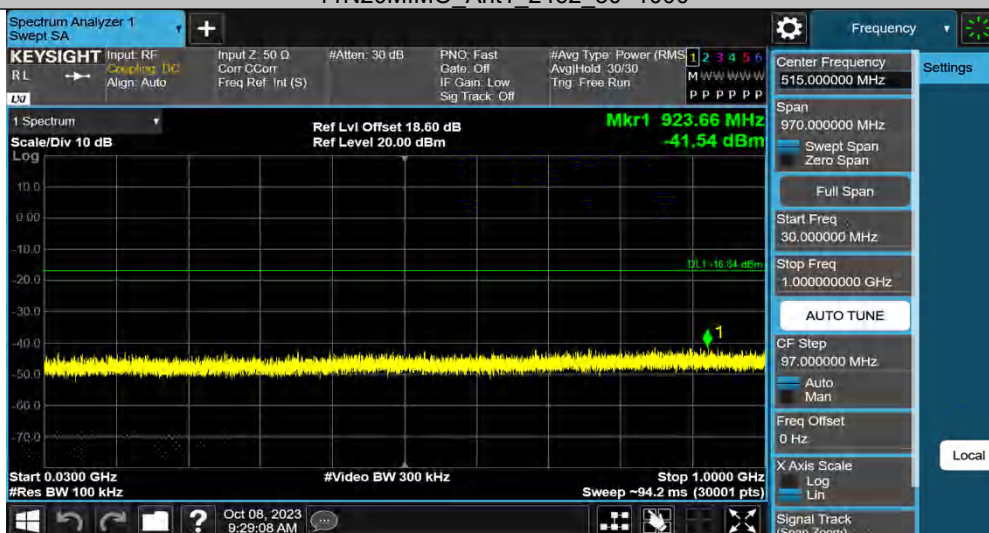
11N20MIMO Ant1 2437 1000~26500



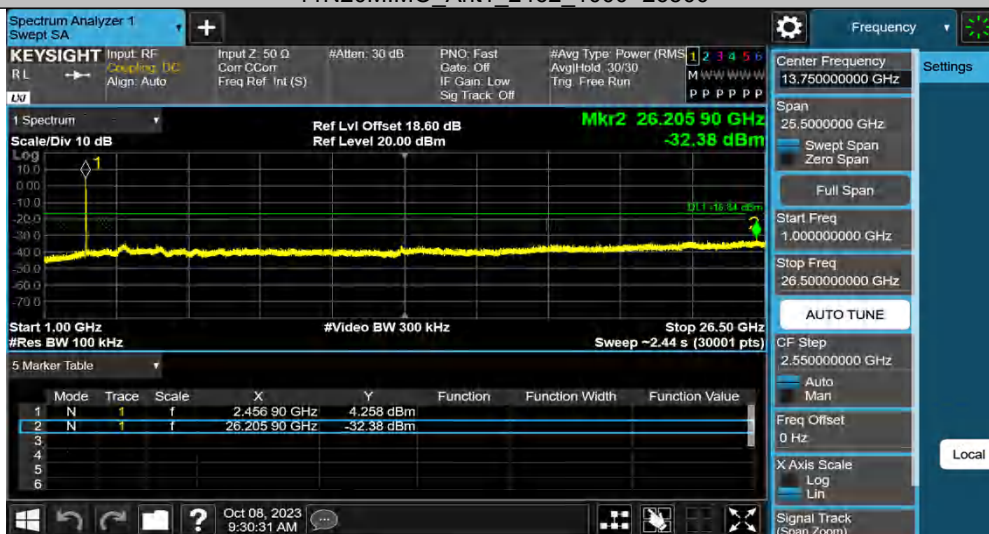
11N20MIMO Ant1 2462 0~Reference



11N20MIMO Ant1 2462 30~1000



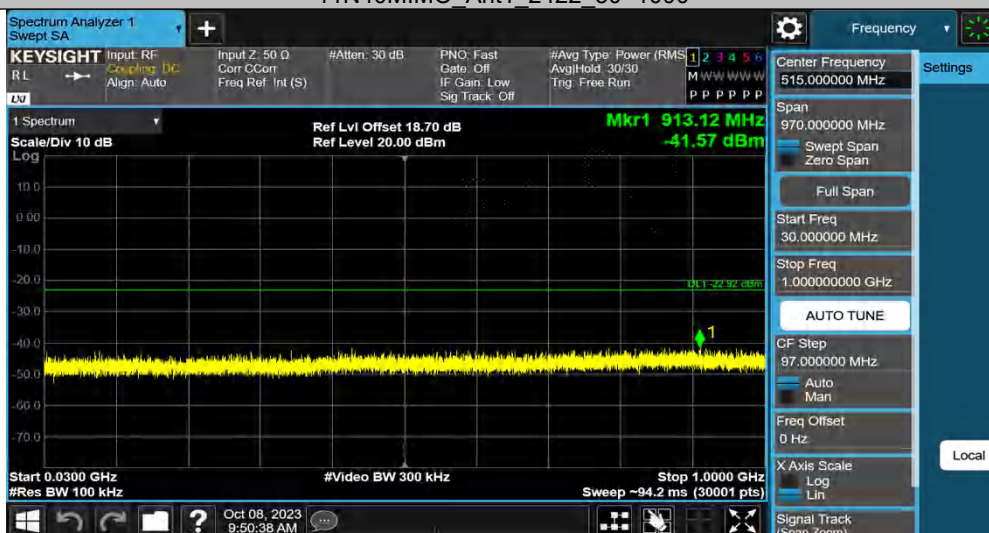
11N20MIMO Ant1 2462 1000~26500



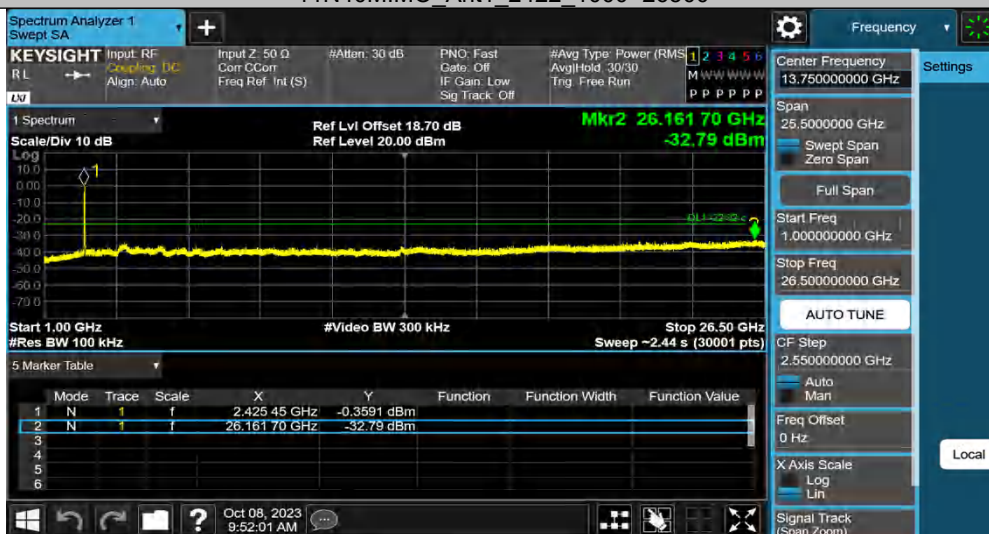
11N40MIMO Ant1 2422 0~Reference



11N40MIMO Ant1_2422_30~1000



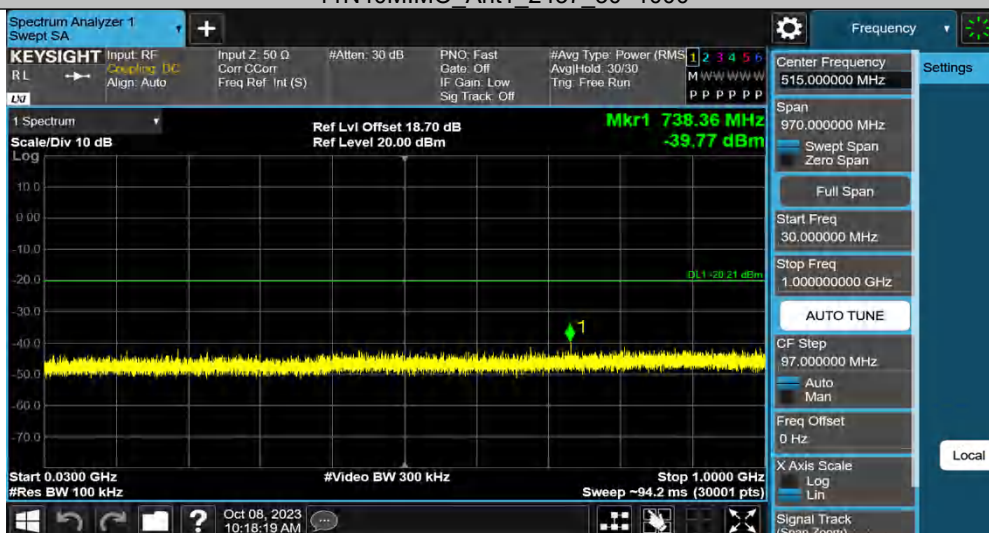
11N40MIMO Ant1_2422_1000~26500



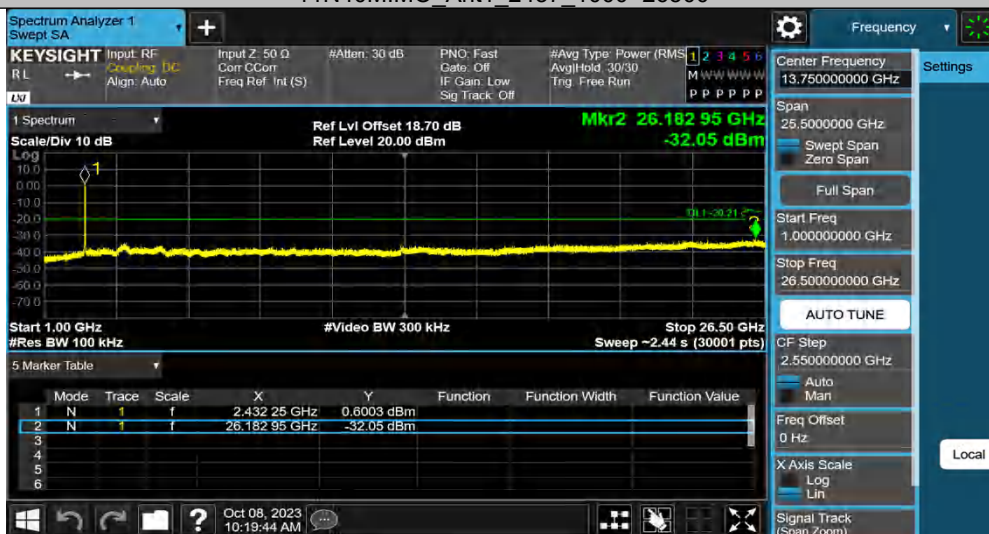
11N40MIMO Ant1_2437_0~Reference



11N40MIMO Ant1 2437 30~1000



11N40MIMO Ant1 2437 1000~26500



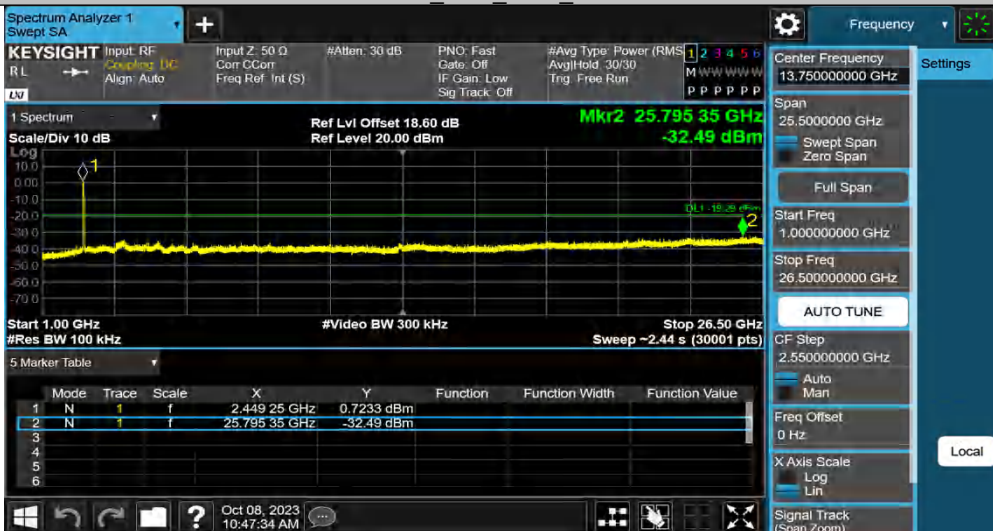
11N40MIMO Ant1 2452 0~Reference



11N40MIMO Ant1 2452 30~1000



11N40MIMO Ant1 2452 1000~26500



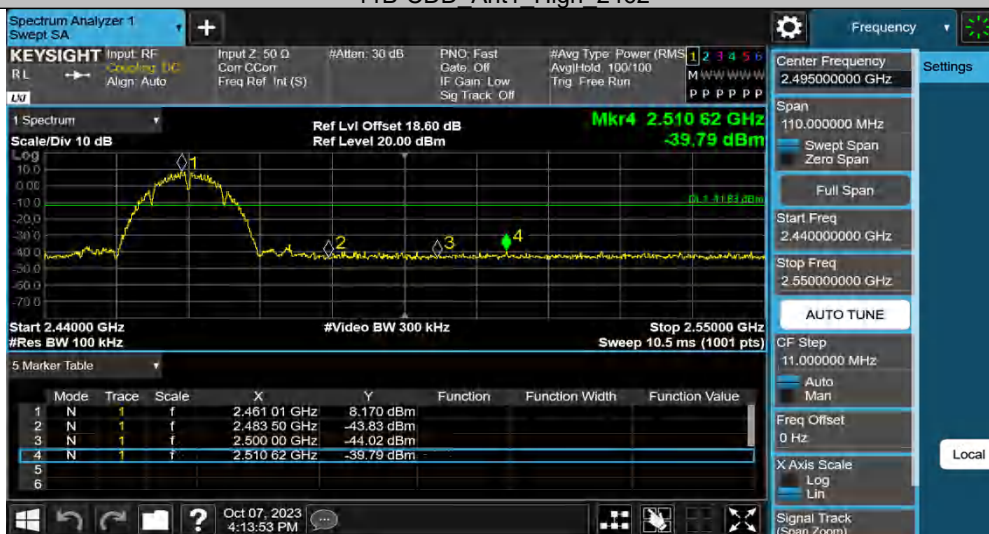
Band edge:

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	7.84	-36.82	≤-12.16	PASS
		High	2462	8.17	-39.79	≤-11.83	PASS
11G-CDD	Ant1	Low	2412	6.25	-31.28	≤-13.75	PASS
		High	2462	6.07	-39.22	≤-13.93	PASS
11N20MIMO	Ant1	Low	2412	5.34	-35.58	≤-14.66	PASS
		High	2462	5.41	-39.49	≤-14.59	PASS
11N40MIMO	Ant1	Low	2422	0.29	-38.87	≤-19.71	PASS
		High	2452	1.38	-39.58	≤-18.62	PASS

11B-CDD_Ant1_Low_2412



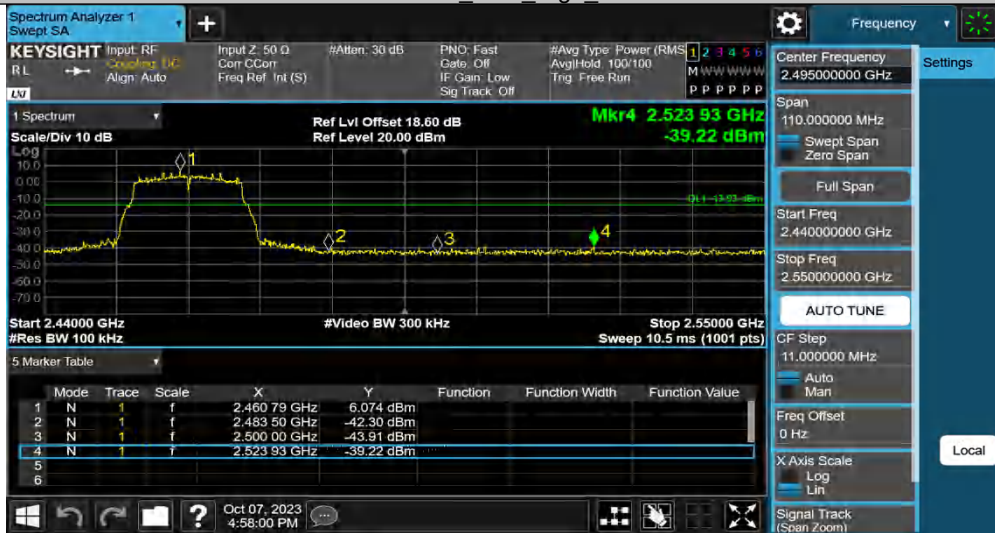
11B-CDD Ant1 High 2462



11G-CDD Ant1 Low 2412



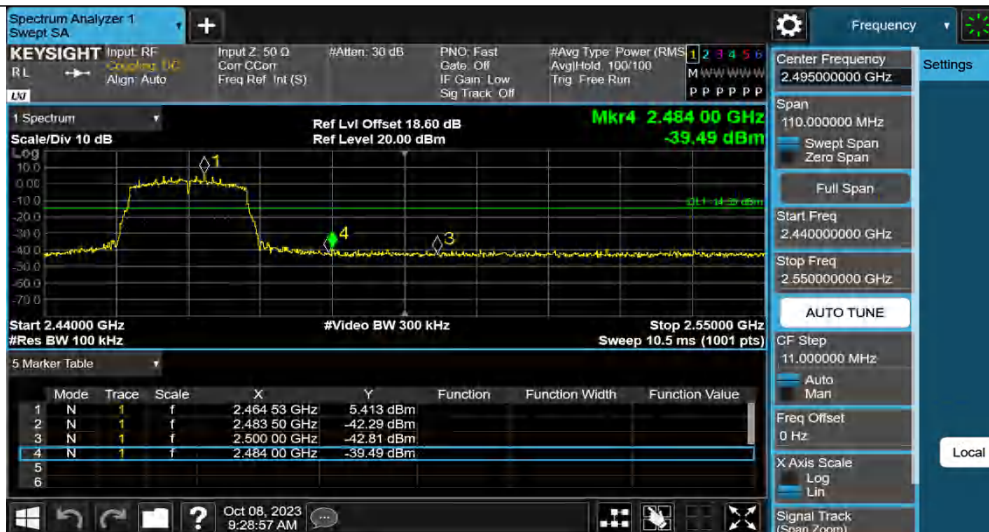
11G-CDD Ant1 High 2462



11N20MIMO Ant1 Low 2412



11N20MIMO Ant1 High 2462



11N40MIMO Ant1 Low 2422



11N40MIMO Ant1 High 2422



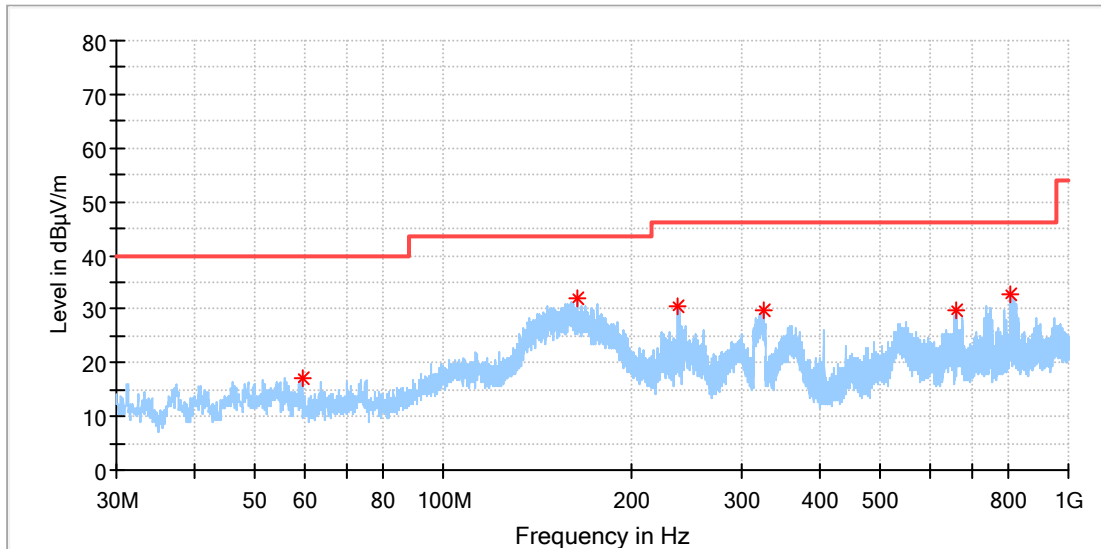
Appendix B.5: Test Results of Radiated Spurious Emissions

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.
 Note 2: The highest emissions are the fundamental waves.
 Note 3: All modes and ports tested, only the worst-case reported.

30MHz - 1GHz

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

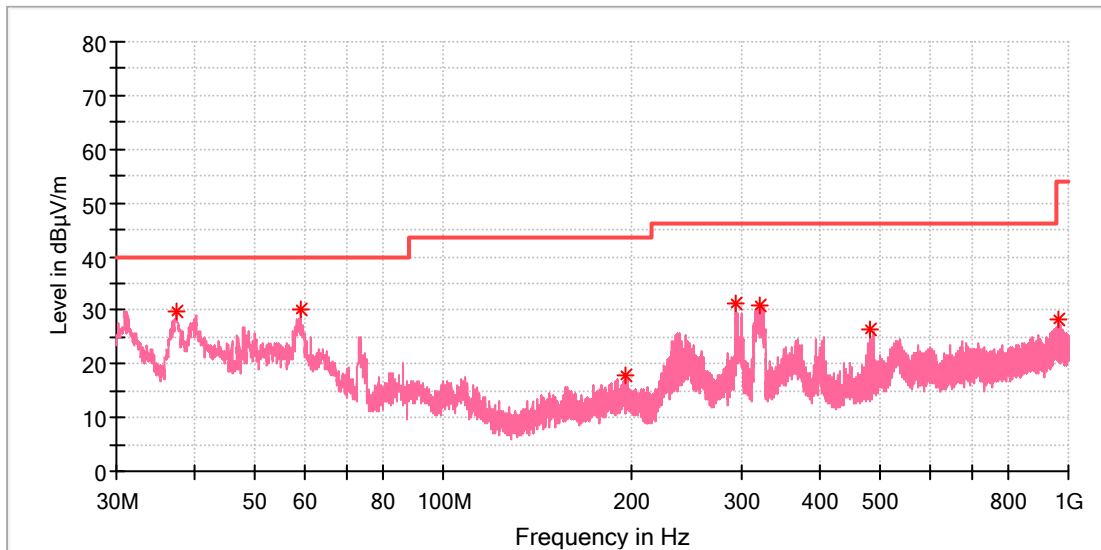
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.398462	17.12	40.00	22.88	100.0	H	220.0	-19.2
163.486923	31.88	43.50	11.62	100.0	H	0.0	-21.9
237.057692	30.48	46.00	15.52	100.0	H	196.0	-18.1
324.730769	29.73	46.00	16.27	100.0	H	246.0	-15.9
659.455385	29.82	46.00	16.18	100.0	H	88.0	-9.2
809.208462	32.88	46.00	13.12	100.0	H	88.0	-6.6

Final_Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

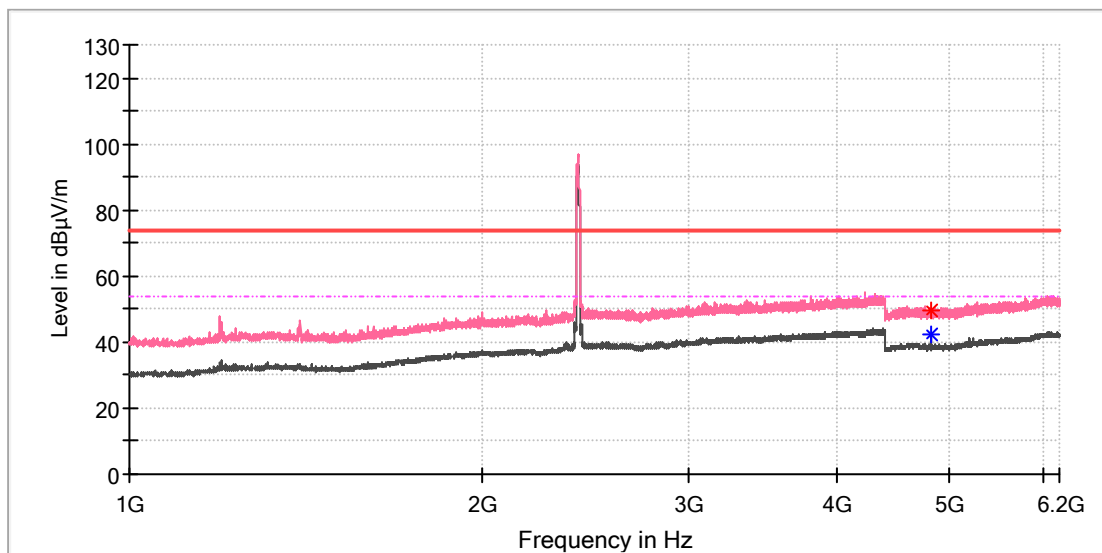
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.498846	29.94	40.00	10.06	100.0	V	40.0	-21.2
59.211923	30.07	40.00	9.93	100.0	V	15.0	-19.2
196.205769	17.73	43.50	25.77	100.0	V	325.0	-19.5
293.989231	31.34	46.00	14.66	100.0	V	175.0	-16.8
320.888077	31.07	46.00	14.93	100.0	V	191.0	-16.0
480.490385	26.37	46.00	19.63	100.0	V	229.0	-12.5
962.617692	28.29	54.00	25.71	100.0	V	0.0	-4.7

Final_Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

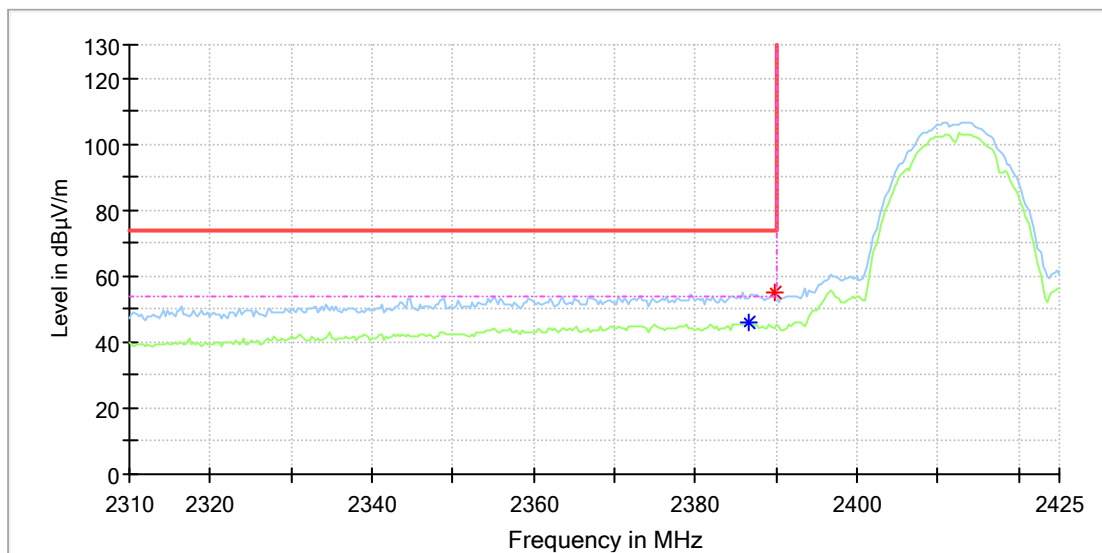
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	49.78	---	74.00	24.22	100.0	V	72.0	11.8
4824.000000	---	42.05	54.00	11.95	100.0	V	38.0	11.8

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

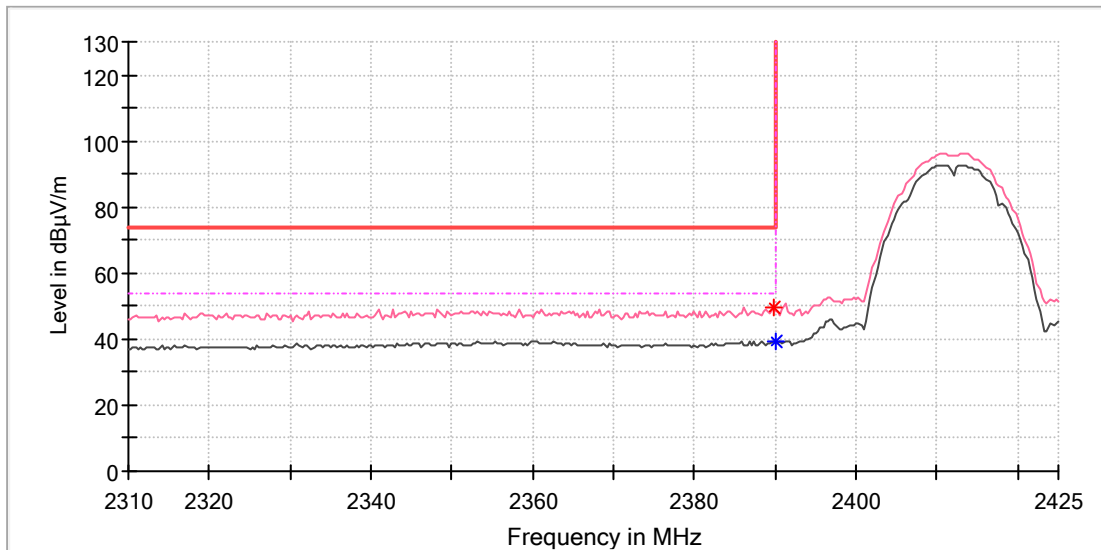
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.470588	---	46.03	54.00	7.97	100.0	H	328.0	7.0
2389.705882	54.85	---	74.00	19.15	100.0	H	299.0	7.0

Final_Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

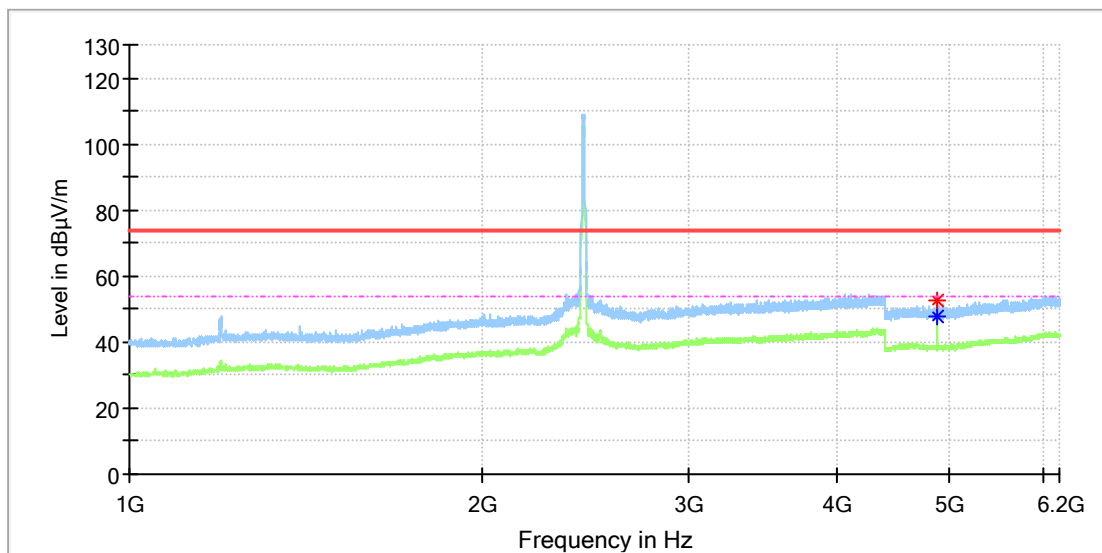
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	49.59	---	74.00	24.41	100.0	V	5.0	7.0
2390.000000	---	39.56	54.00	14.44	100.0	V	0.0	7.0

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: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

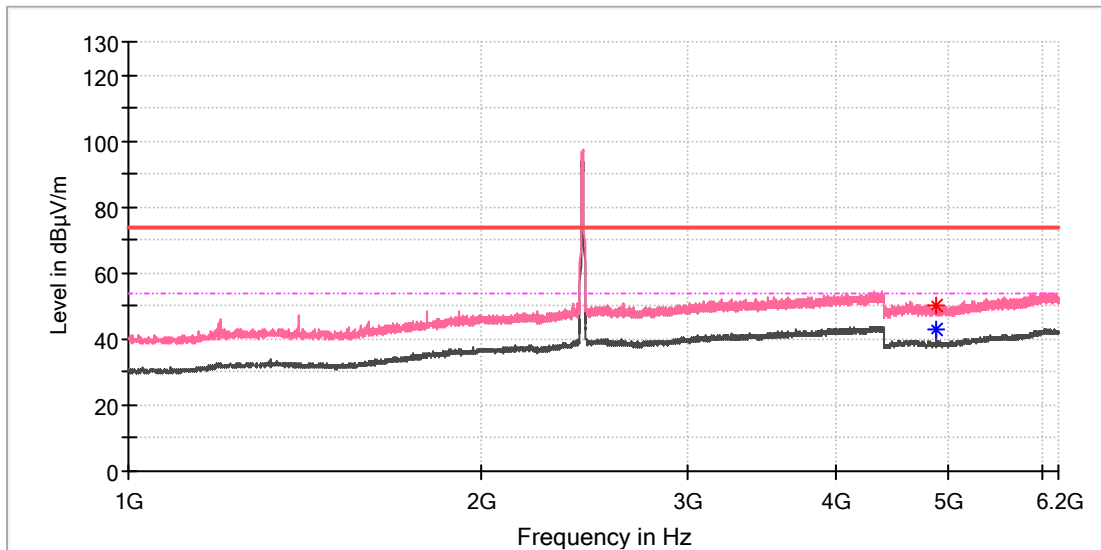
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	52.63	---	74.00	21.37	100.0	H	93.0	11.8
4874.000000	---	47.55	54.00	6.45	100.0	H	118.0	11.8

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

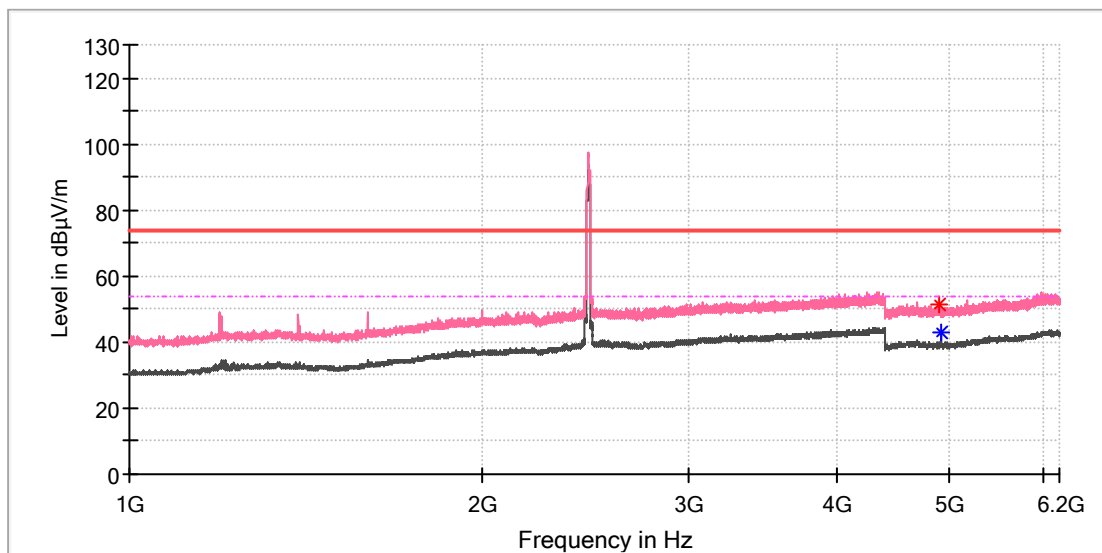
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	42.96	54.00	11.04	100.0	V	79.0	11.8
4875.500000	50.27	---	74.00	23.73	100.0	V	14.0	11.8

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: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

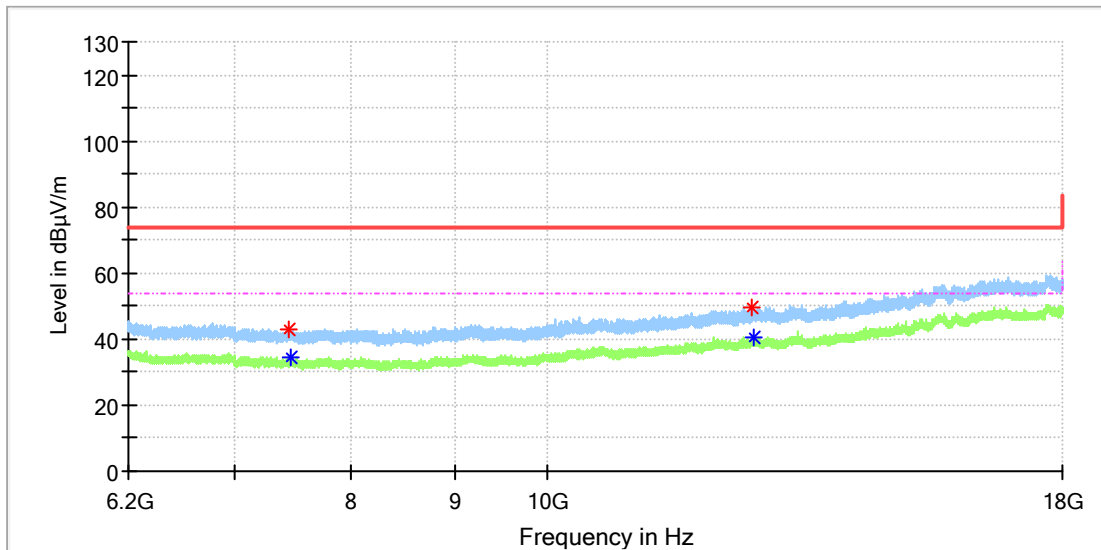
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4906.000000	51.31	---	74.00	22.69	100.0	V	326.0	11.8
4924.000000	---	43.01	54.00	10.99	100.0	V	101.0	11.8

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

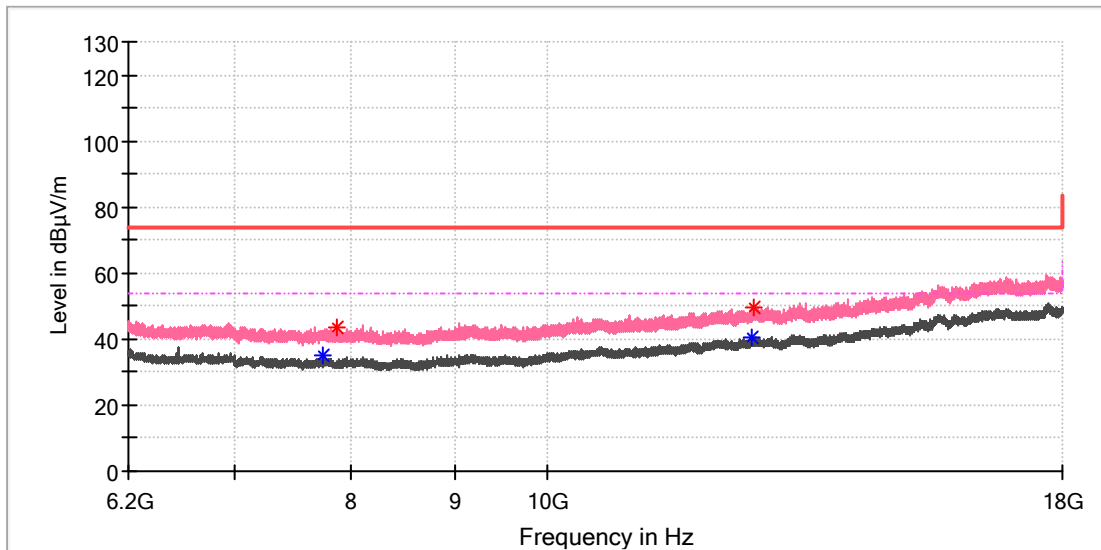
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7448.833333	43.15	---	74.00	30.85	100.0	H	17.0	8.5
7463.583333	---	34.36	54.00	19.64	100.0	H	0.0	8.6
12640.341667	49.36	---	74.00	24.64	100.0	H	311.0	15.0
12647.225000	---	40.54	54.00	13.46	100.0	H	286.0	15.0

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

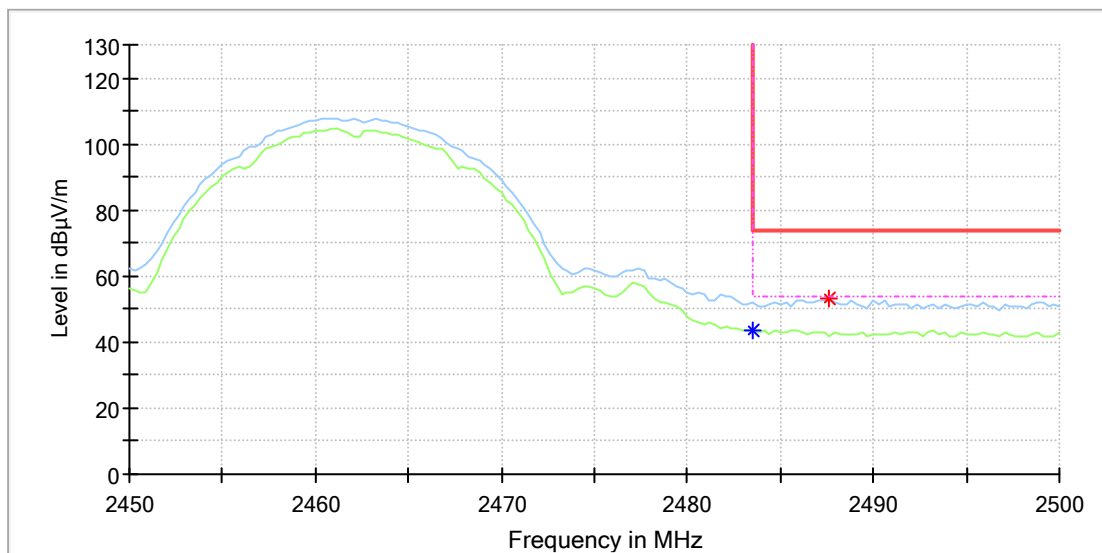
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7735.966667	---	35.23	54.00	18.77	100.0	V	0.0	8.8
7858.391667	43.70	---	74.00	30.30	100.0	V	5.0	8.7
12635.916667	---	40.76	54.00	13.24	100.0	V	197.0	15.0
12667.383333	49.70	---	74.00	24.30	100.0	V	149.0	15.1

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

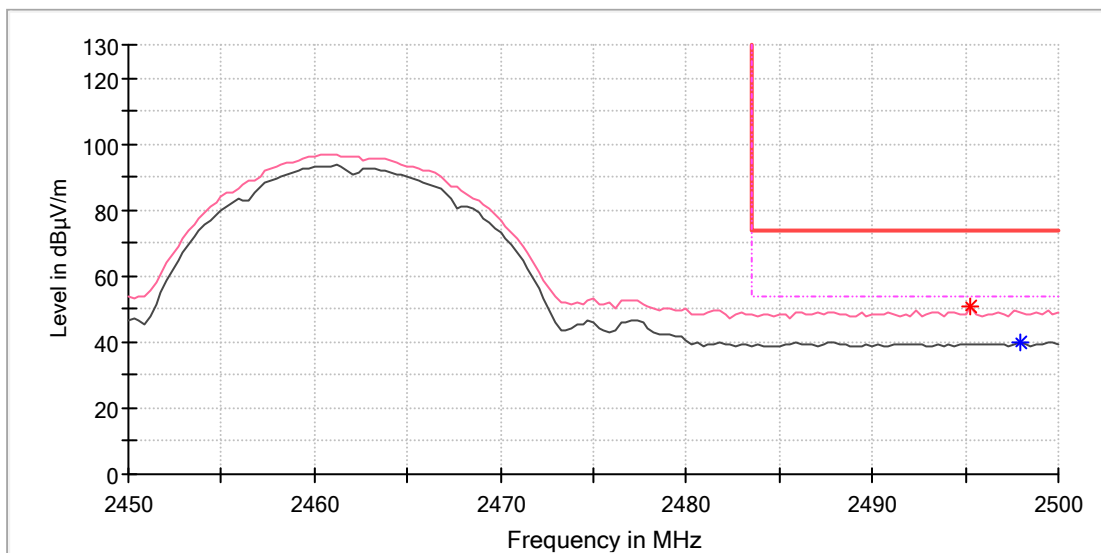
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	43.72	54.00	10.28	100.0	H	311.0	7.4
2487.647059	53.12	---	74.00	20.88	100.0	H	98.0	7.4

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

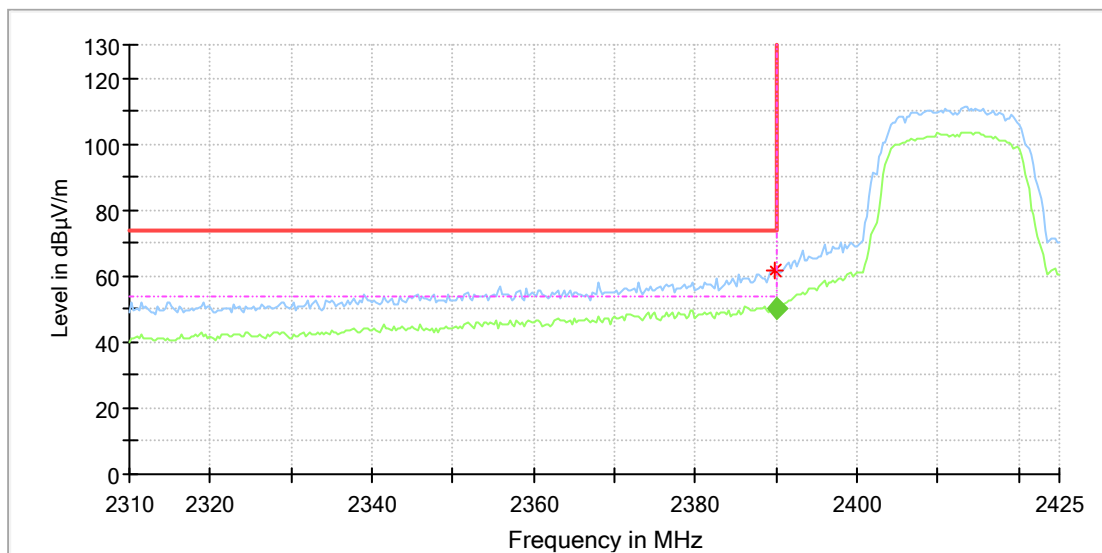
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2495.294118	50.52	---	74.00	23.48	100.0	V	0.0	7.4
2497.941177	---	39.87	54.00	14.13	100.0	V	0.0	7.4

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

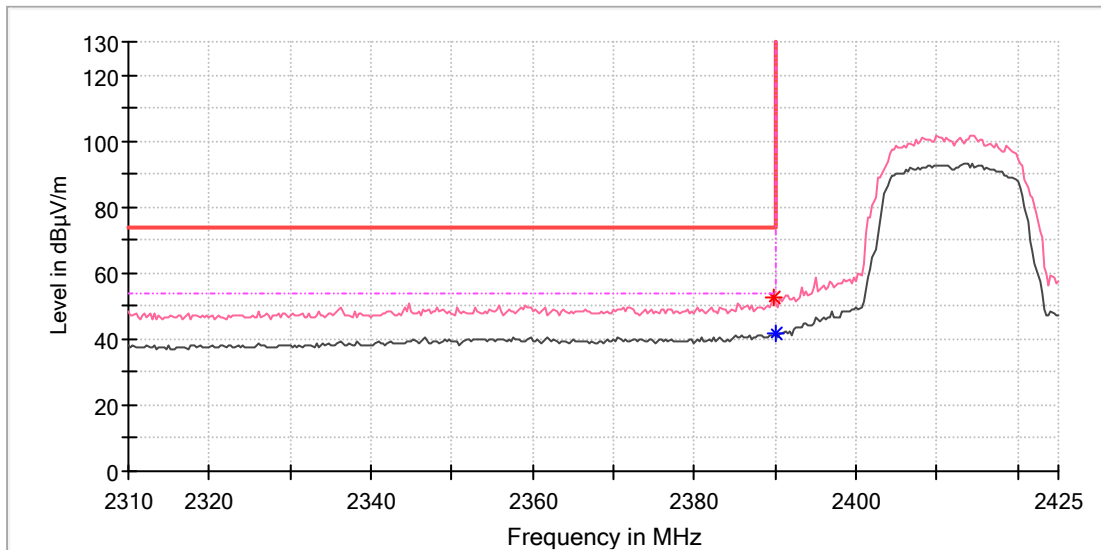
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	61.59	---	74.00	12.41	100.0	H	326.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	50.32	54.00	3.68	105.0	H	304.0	7.0

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

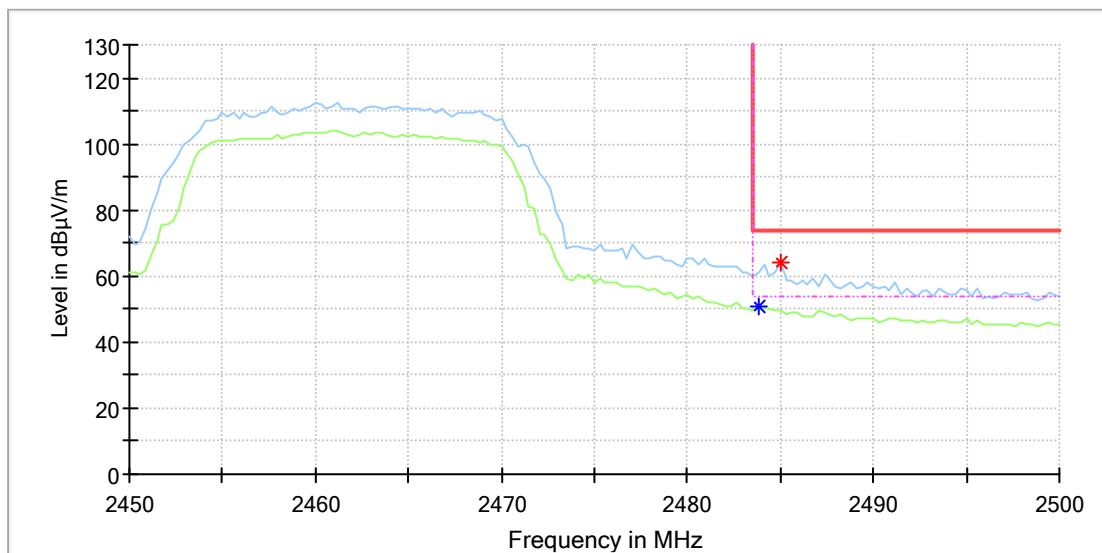
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	52.41	---	74.00	21.59	100.0	V	73.0	7.0
2390.000000	---	41.69	54.00	12.31	100.0	V	73.0	7.0

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11g_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

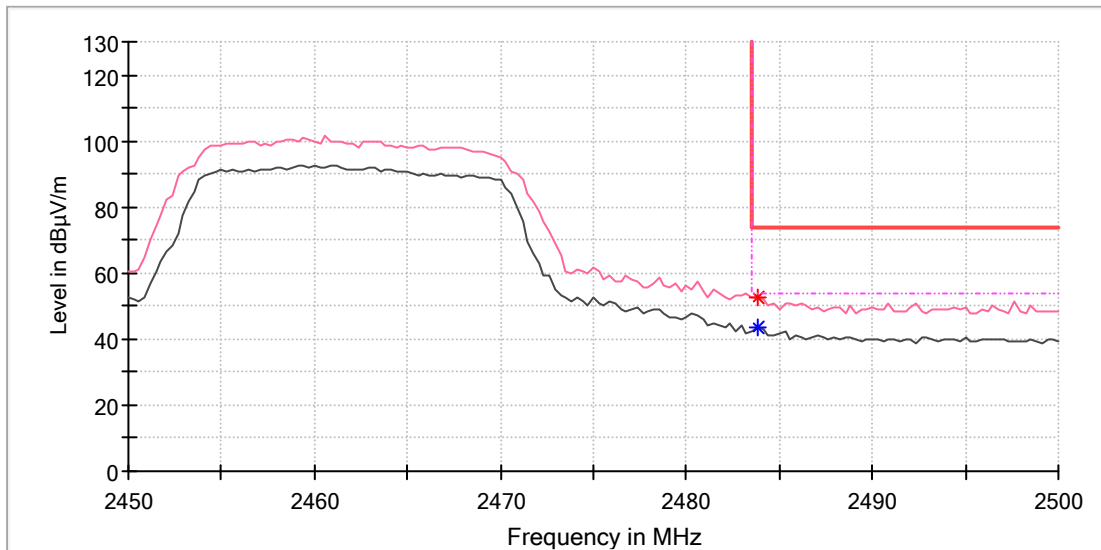
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	50.53	54.00	3.47	100.0	H	327.0	7.4
2485.000000	64.04	---	74.00	9.96	100.0	H	312.0	7.4

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11g_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

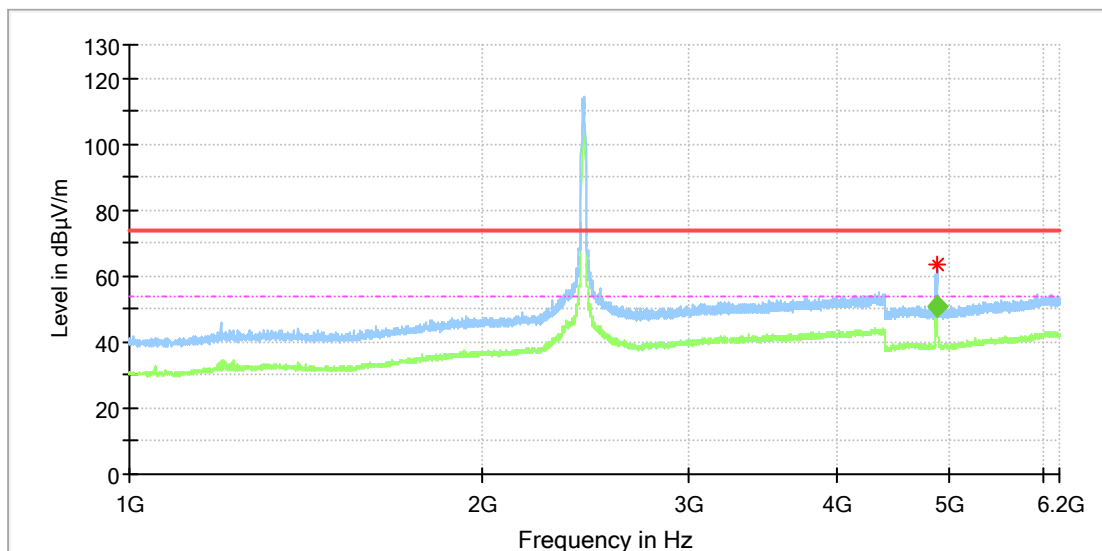
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	43.38	54.00	10.62	100.0	V	39.0	7.4
2483.823529	52.81	---	74.00	21.19	100.0	V	39.0	7.4

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

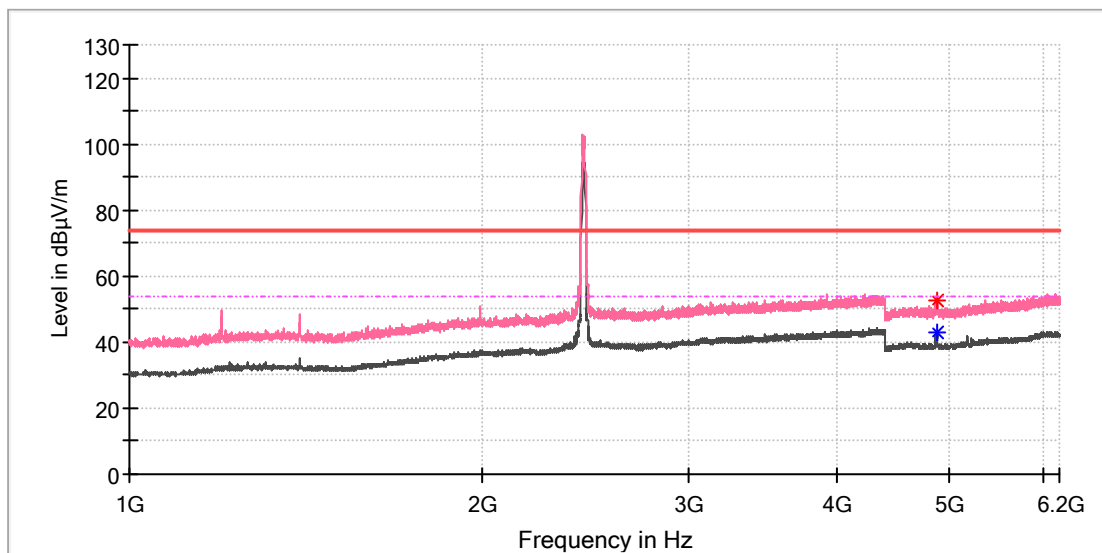
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	63.42	---	74.00	10.58	100.0	H	111.0	11.8

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.536111	50.61	54.00	3.39	100.0	H	111.0	11.8

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

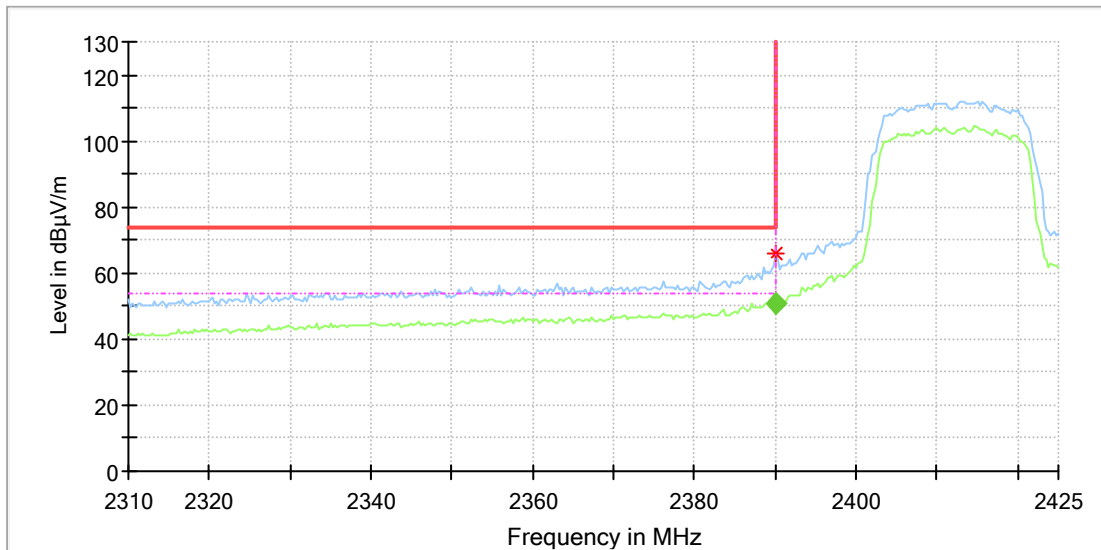
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	52.76	---	74.00	21.24	100.0	V	139.0	11.8
4877.000000	---	42.92	54.00	11.08	100.0	V	132.0	11.8

Final Result

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

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

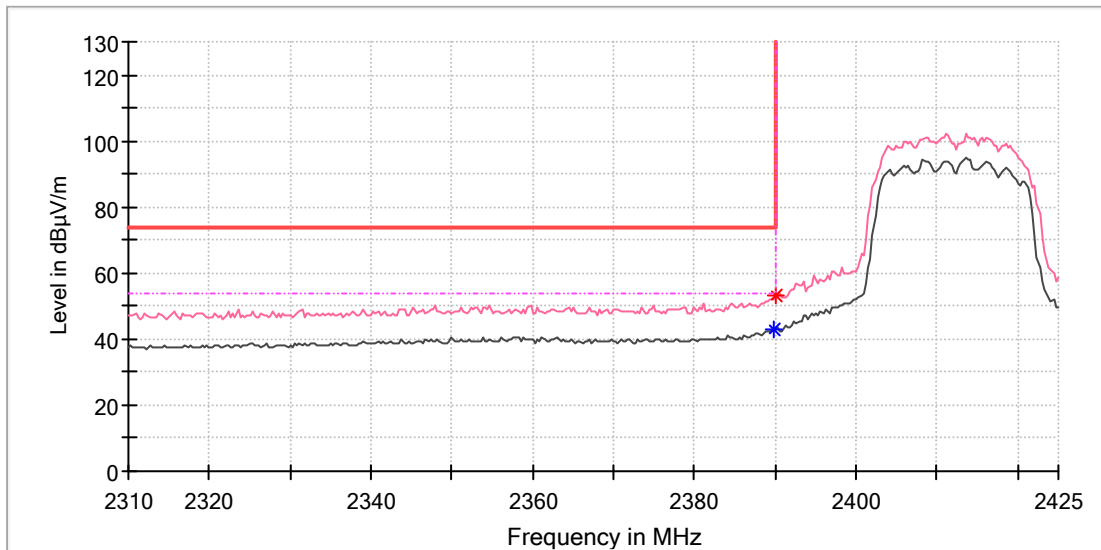
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	66.02	---	74.00	7.98	100.0	H	329.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	50.73	54.00	3.27	100.0	H	324.0	7.0

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

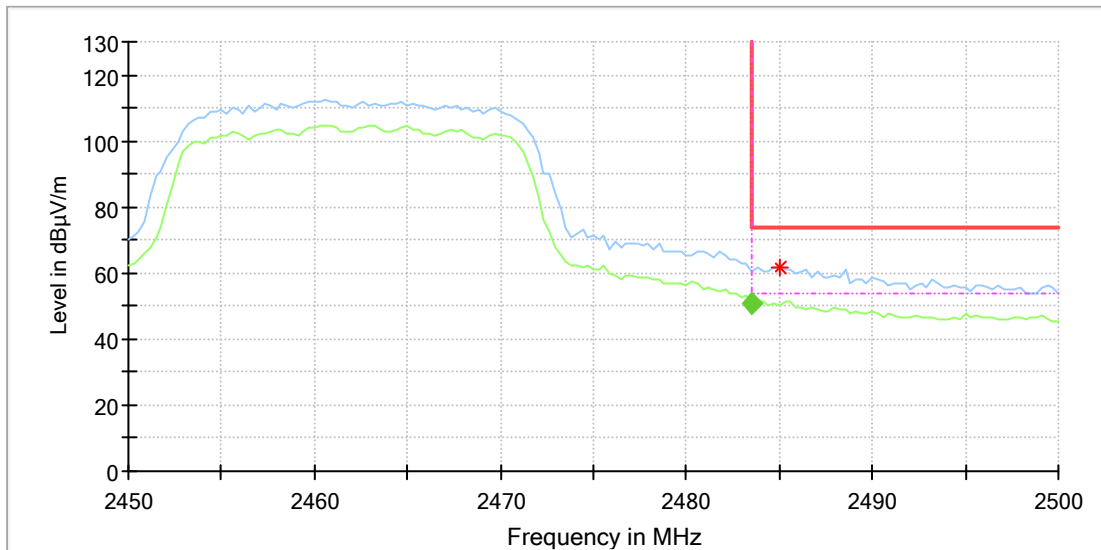
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	---	42.85	54.00	11.15	100.0	V	0.0	7.0
2390.000000	53.26	---	74.00	20.74	100.0	V	47.0	7.0

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:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

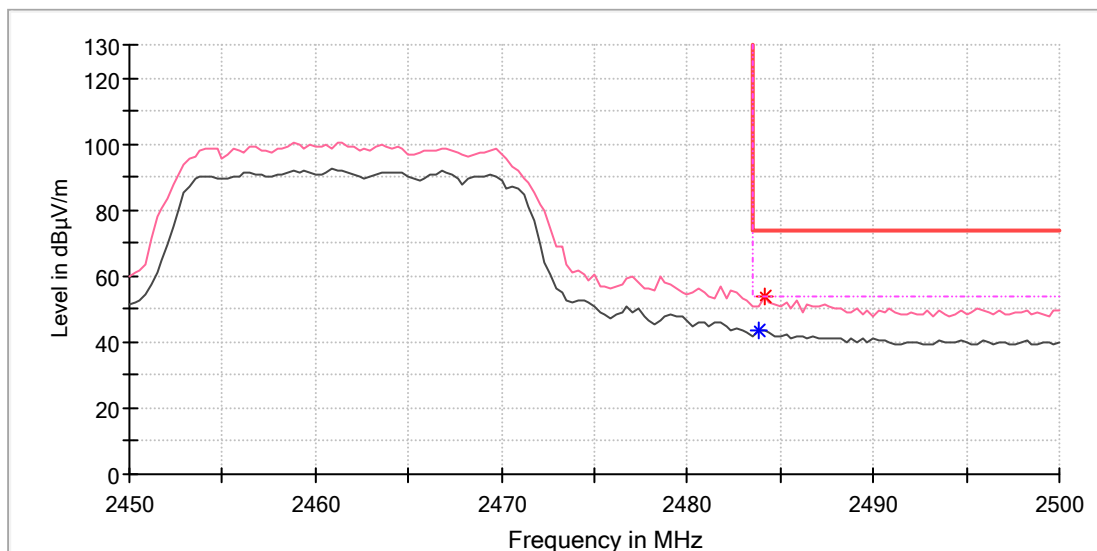
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	61.87	---	74.00	12.13	100.0	H	112.0	7.4

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.503882	50.82	54.00	3.18	100.0	H	324.0	7.4

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11n20_Ch11
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

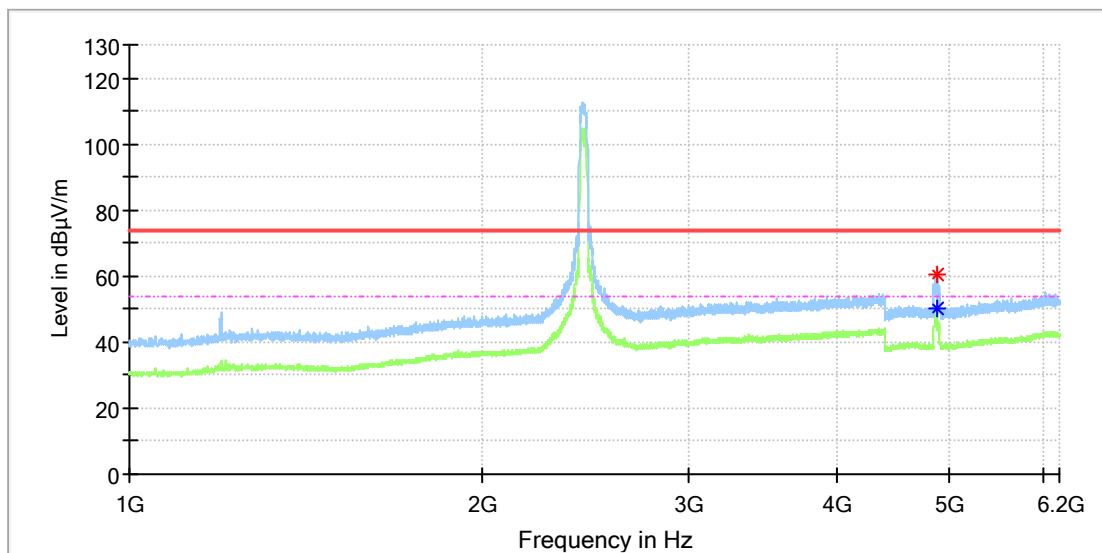
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	43.82	54.00	10.18	100.0	V	45.0	7.4
2484.117647	53.58	---	74.00	20.42	100.0	V	45.0	7.4

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

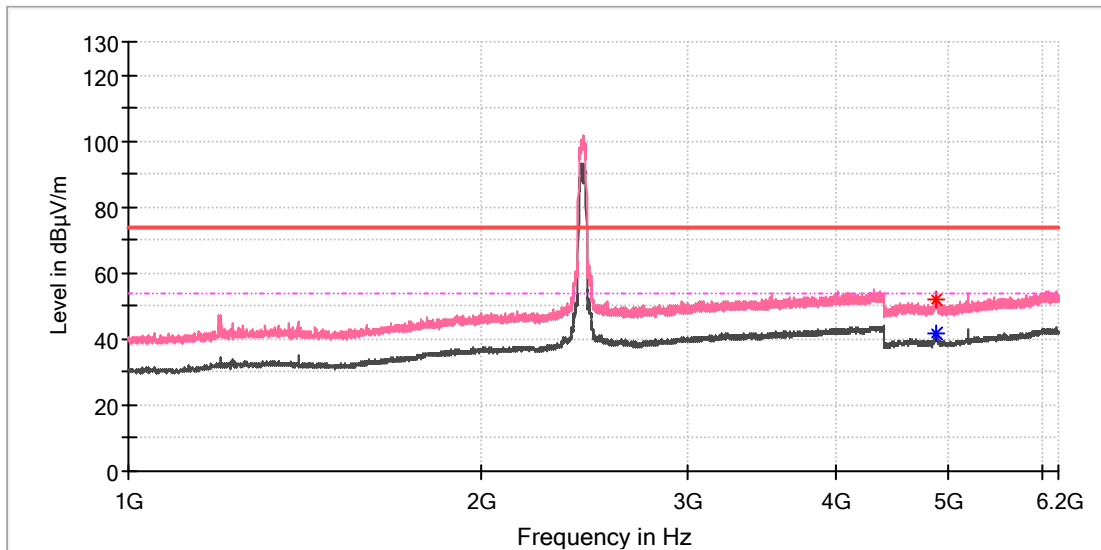
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	---	50.35	54.00	3.65	100.0	H	107.0	11.8
4874.500000	60.38	---	74.00	13.62	100.0	H	89.0	11.8

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

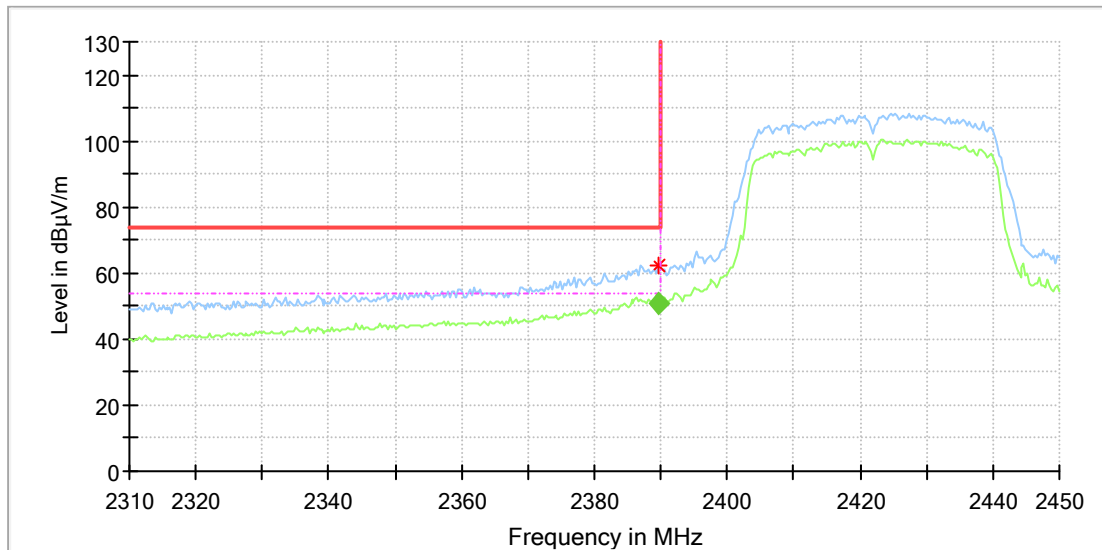
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.500000	---	41.80	54.00	12.20	100.0	V	139.0	11.8
4875.000000	52.19	---	74.00	21.81	100.0	V	133.0	11.8

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

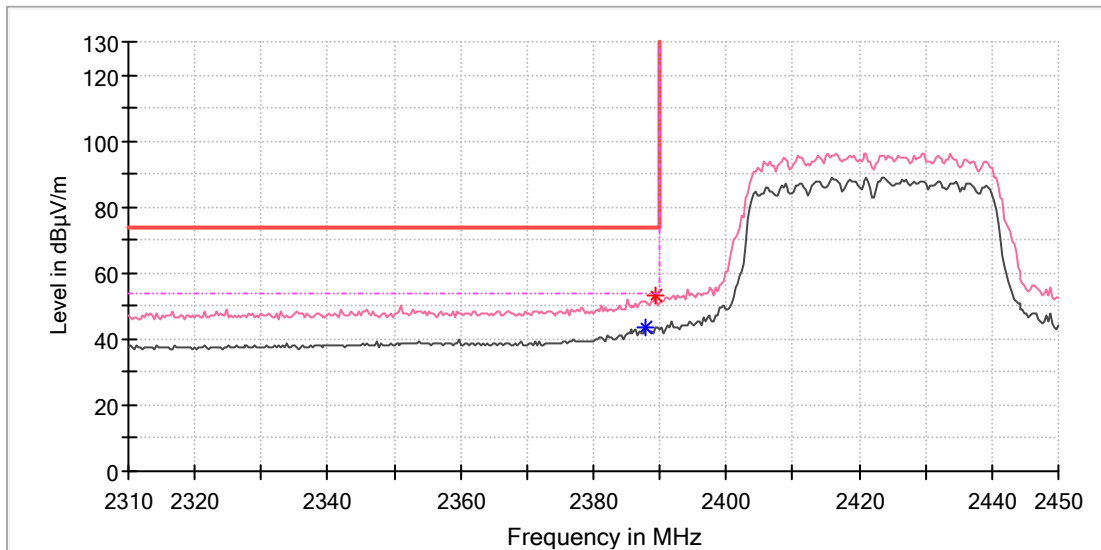
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	62.27	---	74.00	11.73	100.0	H	319.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.726911	50.53	54.00	3.47	100.0	H	318.0	7.0

EUT Information

EUT Name: Remote controlled colour TV
 Model: 32FHA570
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168444521
 Test Voltage:: AC 120V
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

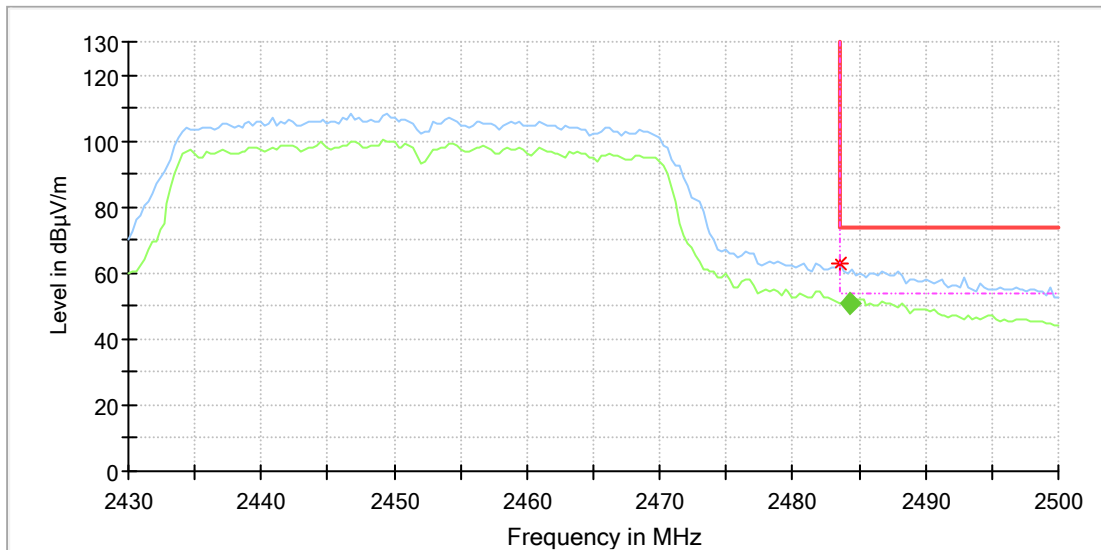
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.941177	---	43.69	54.00	10.31	100.0	V	267.0	7.0
2389.411765	53.49	---	74.00	20.51	100.0	V	267.0	7.0

Final Result

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

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

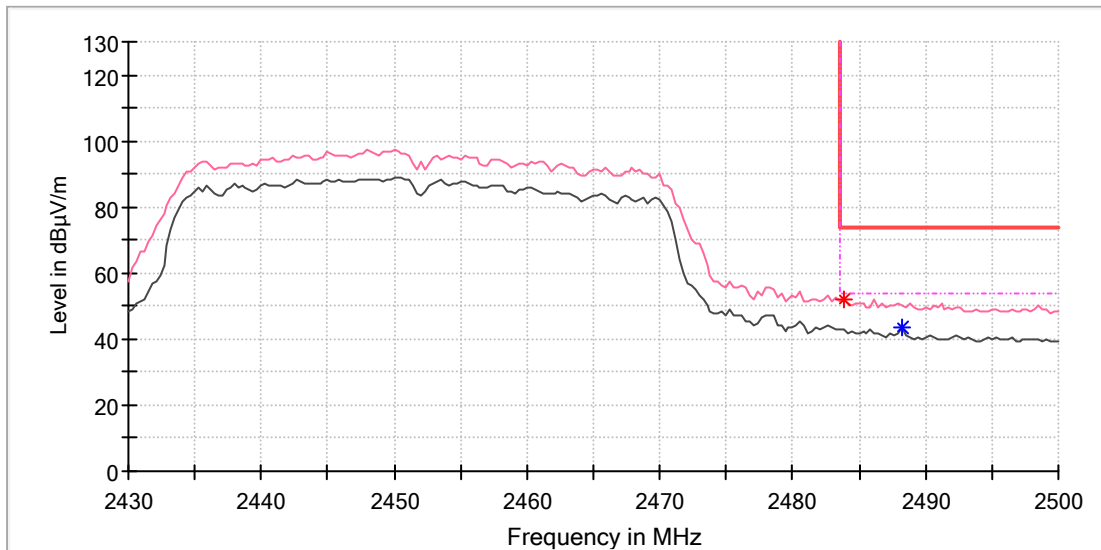
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	62.61	---	74.00	11.39	100.0	H	332.0	7.4

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.357647	50.66	54.00	3.34	100.0	H	317.0	7.4

EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168444521
Test Voltage::	AC 120V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

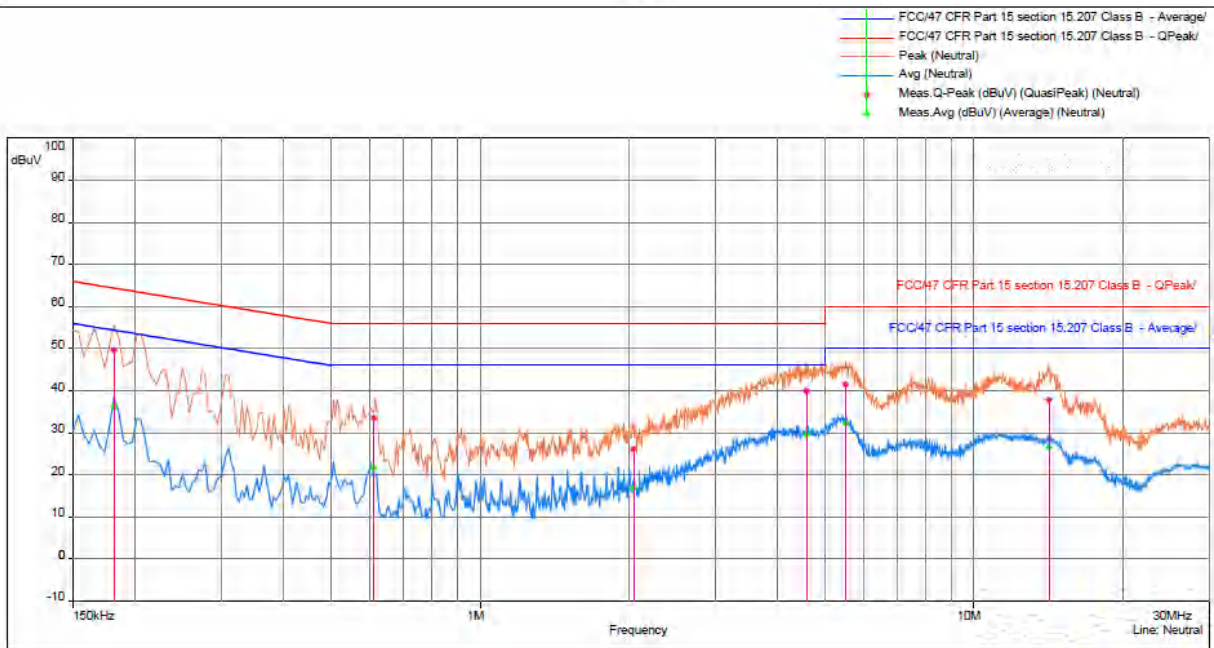
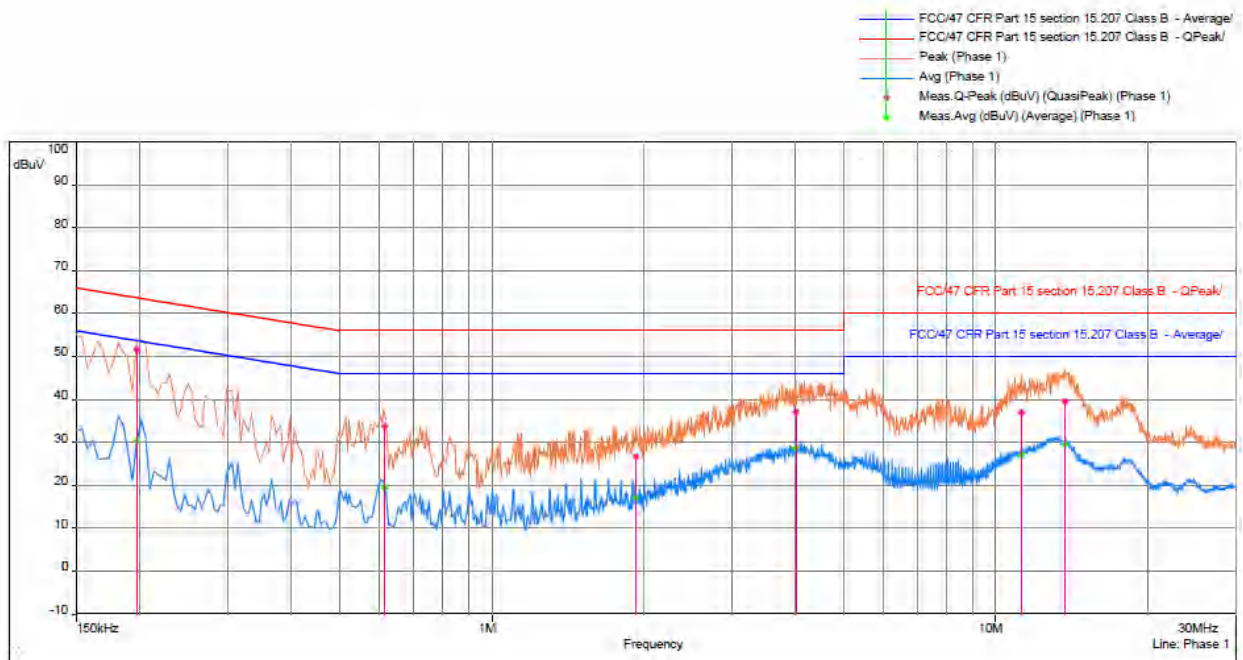
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	52.17	---	74.00	21.83	100.0	V	45.0	7.4
2488.235294	---	43.45	54.00	10.55	100.0	V	45.0	7.4

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.6: Test Results of Conducted emissions of AC mains EUT Information

EUT Name:	Remote controlled colour TV
Model:	32FHA570
Test Mode:	Bluetooth & Wi-Fi connecting
Order No./Sample No.:	168444521
Test Voltage.:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.207
Tested By:	Jim chen
Reviewed By:	Jacky chen



Average (12)

Frequency (MHz)	SR	Meas.Avg (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time (ms)	Comments	Correction (dB)
0.182	1	36.02	54.39	-18.37	Neutral	9k	1000	Pass	9.53
0.6095	1	21.80	46.00	-24.20	Neutral	9k	1000	Pass	9.55
2.05	1	16.83	46.00	-29.17	Neutral	9k	1000	Pass	9.62
4.5815	1	29.58	46.00	-16.42	Neutral	9k	1000	Pass	9.67
5.49625	1	32.18	50.00	-17.82	Neutral	9k	1000	Pass	9.70
14.19	1	26.68	50.00	-23.32	Neutral	9k	1000	Pass	10.14
0.19975	2	30.36	53.69	-23.33	Phase 1	9k	1000	Pass	9.53
0.61225	2	19.39	46.00	-26.61	Phase 1	9k	1000	Pass	9.53
1.9335	2	17.02	46.00	-28.98	Phase 1	9k	1000	Pass	9.56
4.0145	2	28.70	46.00	-17.30	Phase 1	9k	1000	Pass	9.60
11.25625	2	27.20	50.00	-22.80	Phase 1	9k	1000	Pass	9.81
13.72375	2	29.52	50.00	-20.48	Phase 1	9k	1000	Pass	10.01

QuasiPeak (12)

Frequency (MHz)	SR	Meas.Q-Peak (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time (ms)	Comments	Correction (dB)
0.182	1	49.68	64.39	-14.71	Neutral	9k	1000	Pass	9.53
0.6095	1	33.43	56.00	-22.57	Neutral	9k	1000	Pass	9.55
2.05	1	26.10	56.00	-29.90	Neutral	9k	1000	Pass	9.62
4.5815	1	40.05	56.00	-15.95	Neutral	9k	1000	Pass	9.67
5.49625	1	41.54	60.00	-18.46	Neutral	9k	1000	Pass	9.70
14.19	1	37.86	60.00	-22.14	Neutral	9k	1000	Pass	10.14
0.19975	2	51.70	63.69	-11.99	Phase 1	9k	1000	Pass	9.53
0.61225	2	33.72	56.00	-22.28	Phase 1	9k	1000	Pass	9.53
1.9335	2	26.78	56.00	-29.22	Phase 1	9k	1000	Pass	9.56
4.0145	2	37.17	56.00	-18.83	Phase 1	9k	1000	Pass	9.60
11.25625	2	36.96	60.00	-23.04	Phase 1	9k	1000	Pass	9.81
13.72375	2	39.64	60.00	-20.36	Phase 1	9k	1000	Pass	10.01