

Appendix B: Test Results of 5.8GHz Wi-Fi

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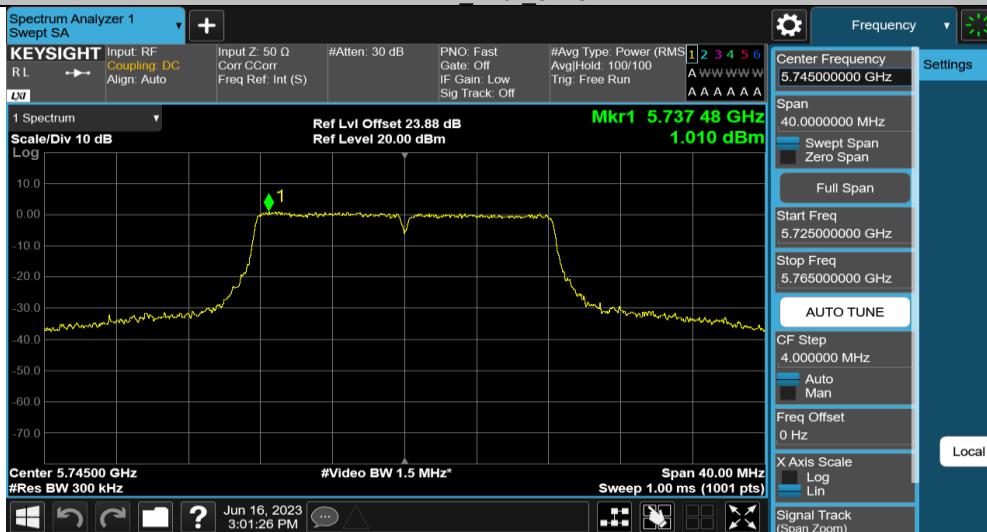
Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	1.01	≤30.00	PASS
		5785	0.11	≤30.00	PASS
		5825	-0.14	≤30.00	PASS
11N20SISO	Ant1	5745	0.79	≤30.00	PASS
		5785	0.21	≤30.00	PASS
		5825	-0.69	≤30.00	PASS
11N40SISO	Ant1	5755	-4.09	≤30.00	PASS
		5795	-4.75	≤30.00	PASS
11AC20SISO	Ant1	5745	0.23	≤30.00	PASS
		5785	-0.29	≤30.00	PASS
		5825	-1.08	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.12	≤30.00	PASS
		5795	-4.55	≤30.00	PASS
11AC80SISO	Ant1	5775	-5.6	≤30.00	PASS

Note:

- 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz.
- 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

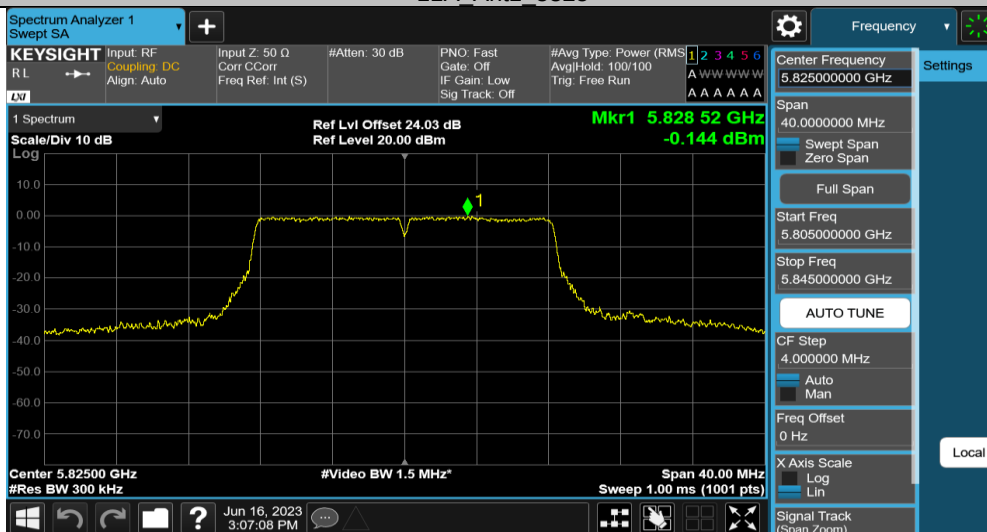
11A_Ant1_5745



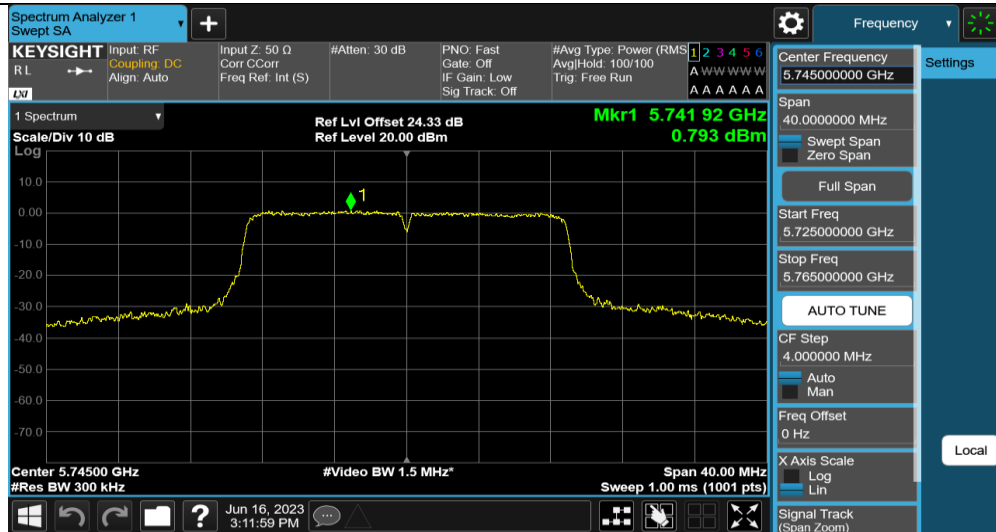
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



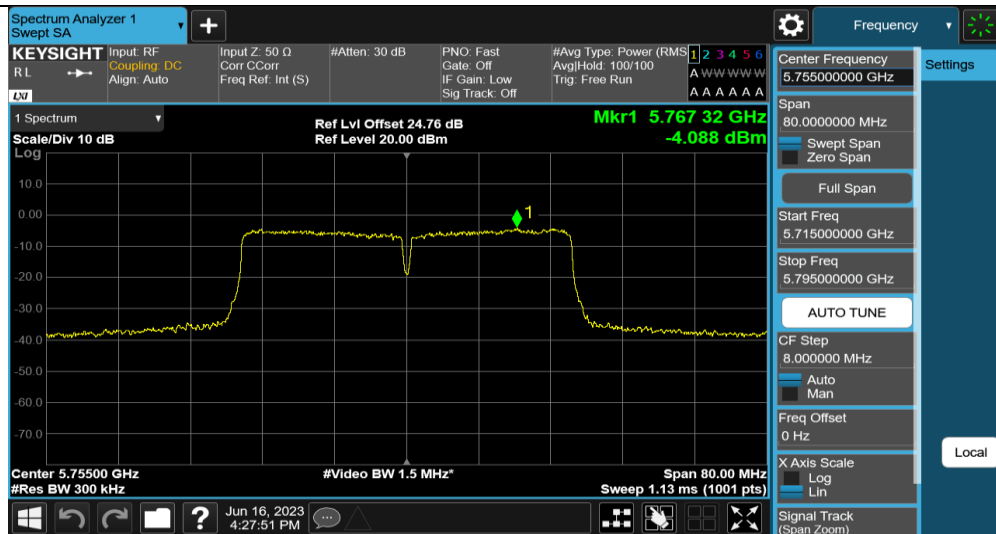
11N20SISO Ant1 5785



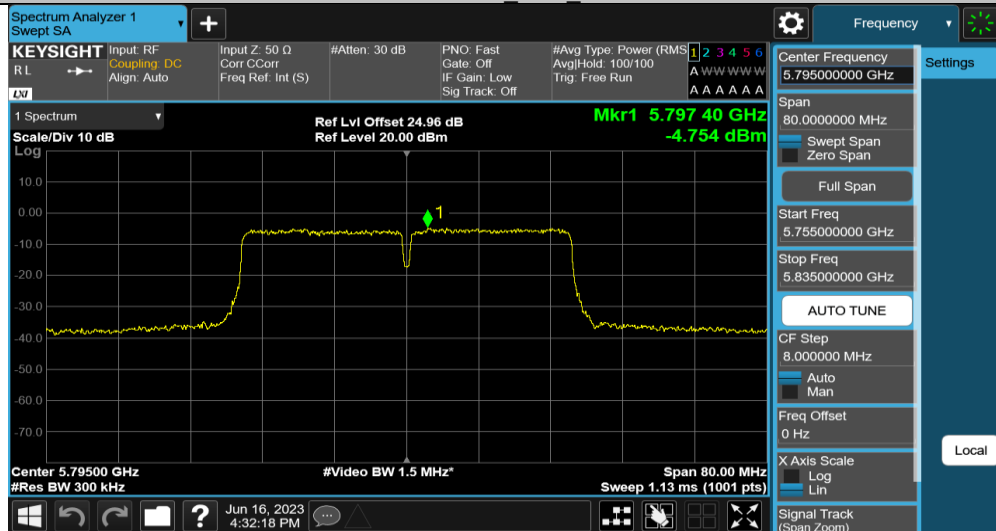
11N20SISO Ant1 5825



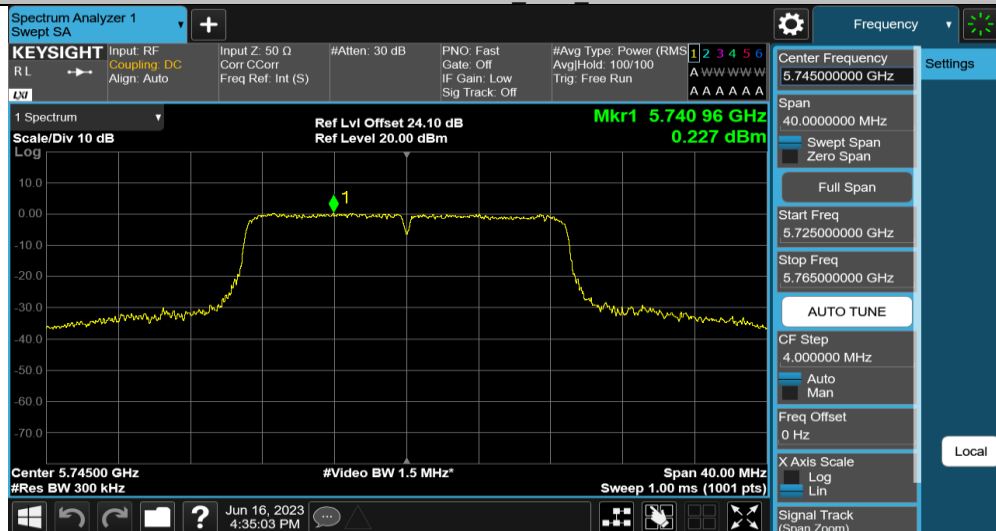
11N40SISO Ant1 5755



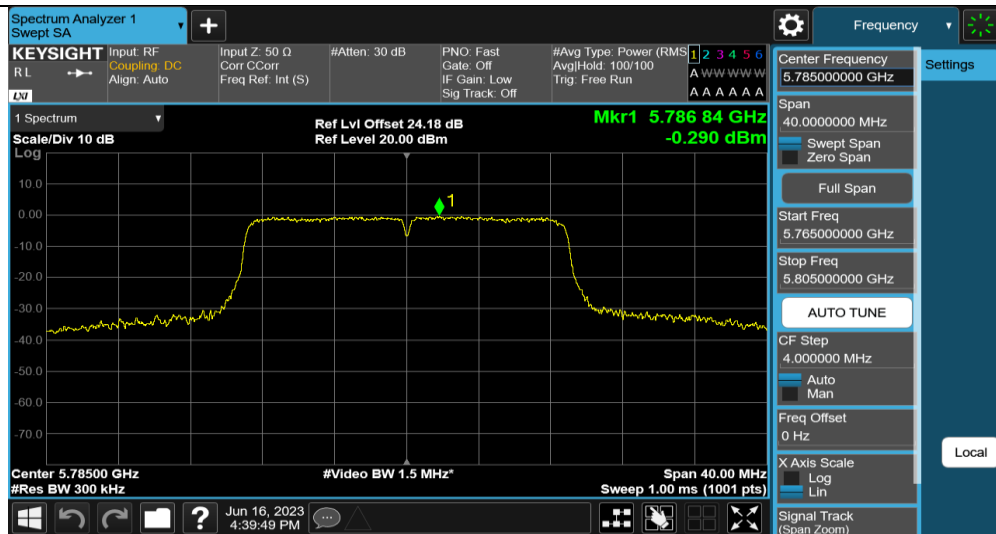
11N40SISO Ant1 5795



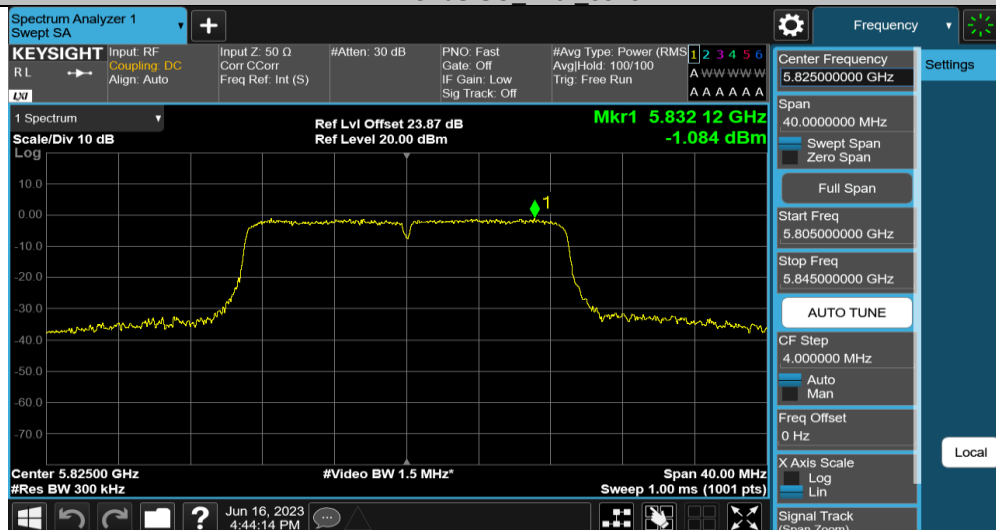
11AC20SISO Ant1 5745



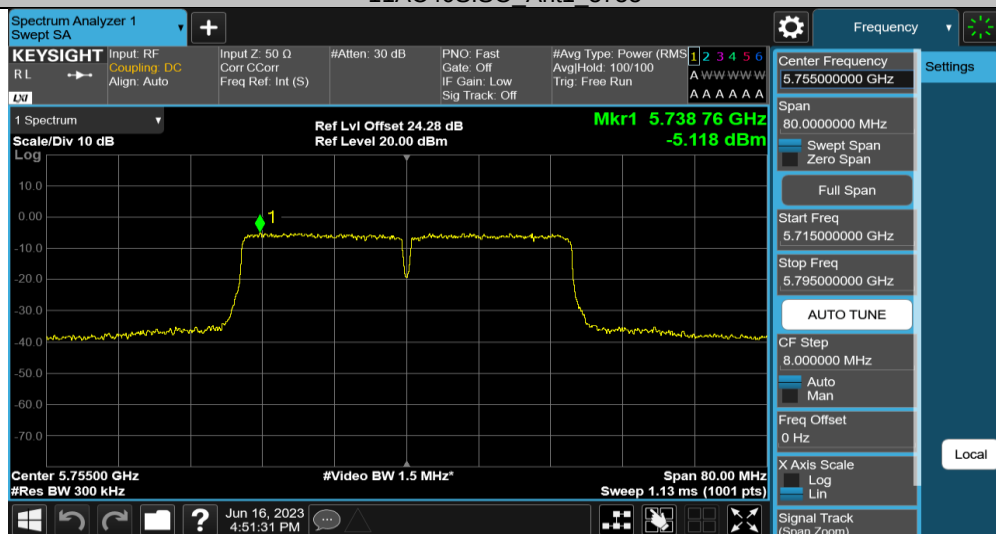
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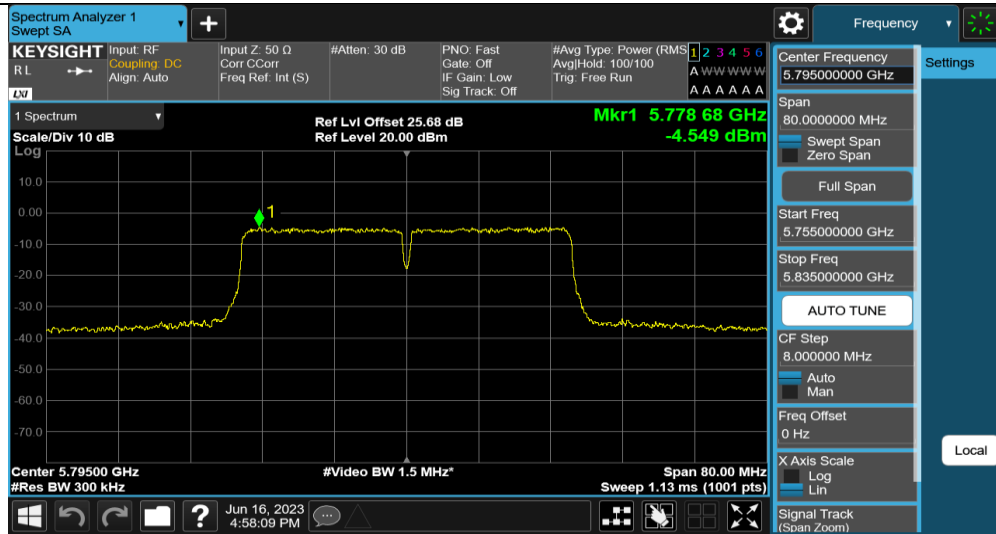
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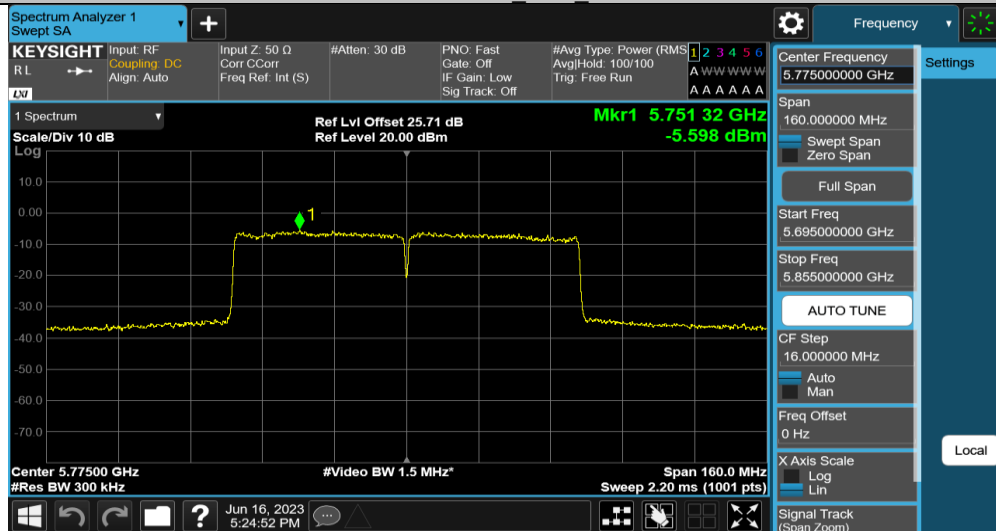
11AC40SISO_Ant1 5755



11AC40SISO_Ant1 5795



11AC80SISO_Ant1_5775



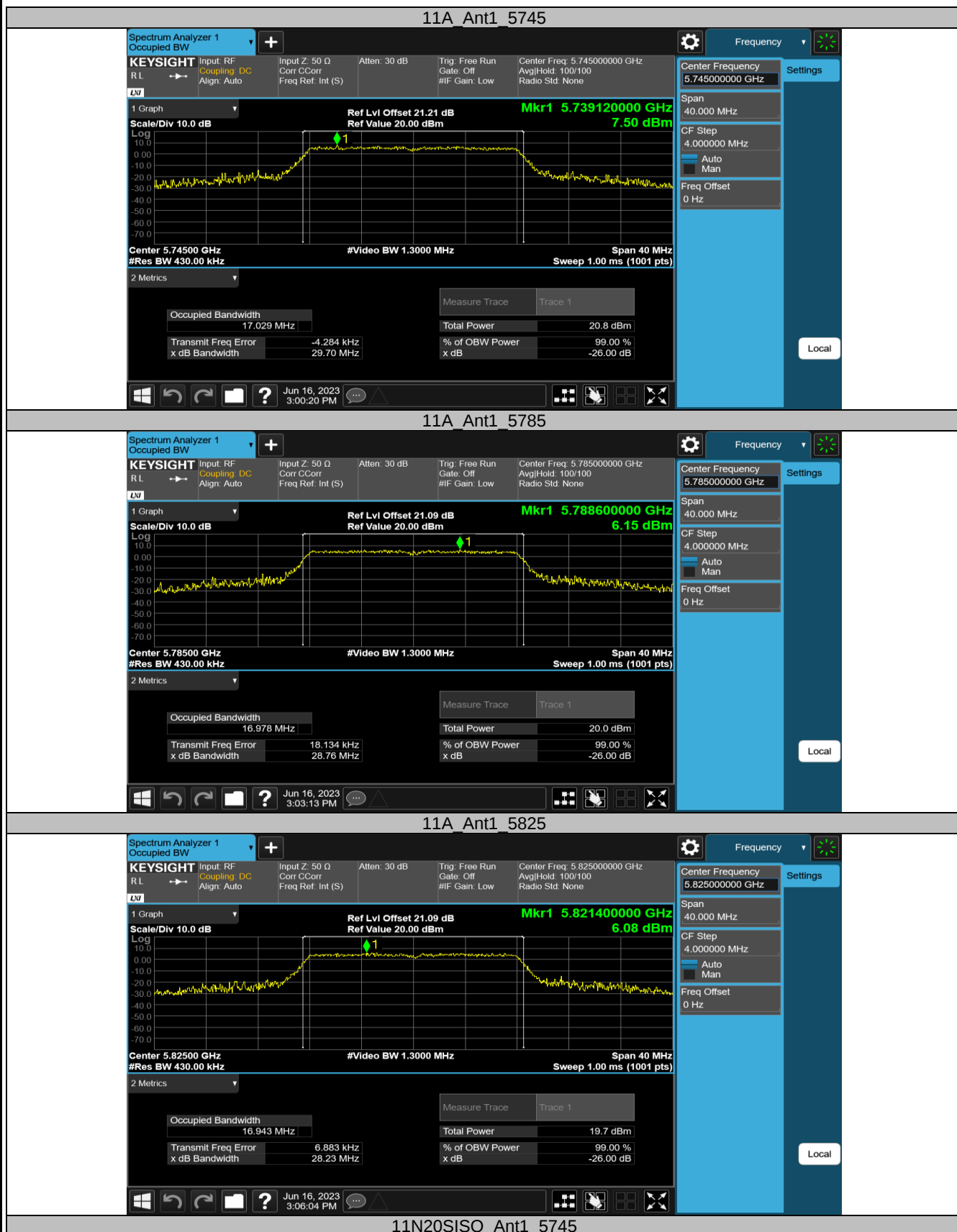
Appendix B.2: Test Results of Frequency Stability

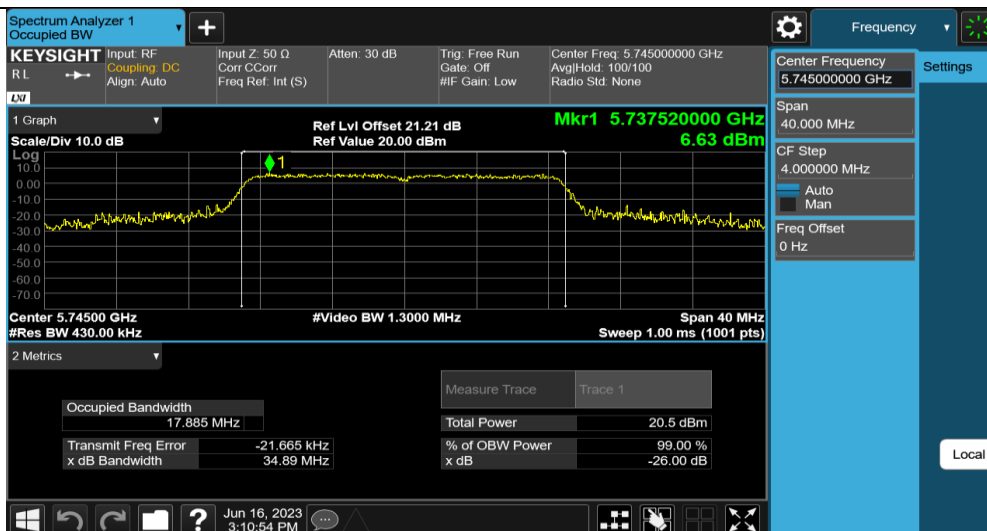
Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5785	NV	NT	-4000.00	-0.691443	20	PASS
11AC20SISO	Ant1	5745	NV	NT	-5000.00	-0.870322	20	PASS
		5785	NV	NT	-5000.00	-0.864304	20	PASS
		5825	NV	NT	-5000.00	-0.858369	20	PASS
		5755	NV	NT	-5000.00	-0.868810	20	PASS
11AC40SISO	Ant1	5795	NV	NT	-5000.00	-0.862813	20	PASS
11AC80SISO	Ant1	5775	NV	NT	-4000.00	-0.692641	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5785	NV	10	-4000.00	-0.691443	20	PASS
11AC20SISO	Ant1	5745	NV	-20	-5000.00	-0.870322	20	PASS
			NV	50	-5000.00	-0.870322	20	PASS
		5785	NV	-20	-5000.00	-0.864304	20	PASS
			NV	50	-5000.00	-0.864304	20	PASS
		5825	NV	-20	-5000.00	-0.858369	20	PASS
			NV	50	-5000.00	-0.858369	20	PASS
		5755	NV	-20	-5000.00	-0.868810	20	PASS
			NV	50	-5000.00	-0.868810	20	PASS
11AC40SISO	Ant1	5795	NV	-20	-4000.00	-0.690250	20	PASS
			NV	50	-4000.00	-0.690250	20	PASS
		5775	NV	-20	-4000.00	-0.692641	20	PASS
			NV	50	-4000.00	-0.692641	20	PASS

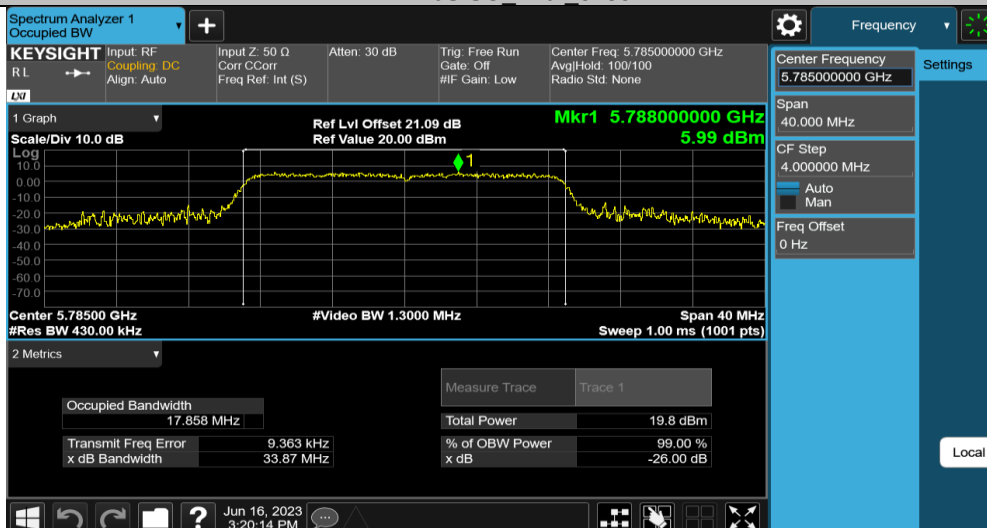
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.029	5736.4812	5753.5102	---	PASS
		5785	16.978	5776.5291	5793.5071	---	PASS
		5825	16.943	5816.5354	5833.4784	---	PASS
11N20SISO	Ant1	5745	17.885	5736.0358	5753.9208	---	PASS
		5785	17.858	5776.0804	5793.9384	---	PASS
		5825	17.895	5816.0820	5833.9770	---	PASS
11N40SISO	Ant1	5755	36.484	5736.7784	5773.2624	---	PASS
		5795	36.453	5776.8009	5813.2539	---	PASS
11AC20SISO	Ant1	5745	17.962	5736.0297	5753.9917	---	PASS
		5785	17.873	5776.0736	5793.9466	---	PASS
		5825	17.878	5816.0864	5833.9644	---	PASS
11AC40SISO	Ant1	5755	36.618	5736.7357	5773.3537	---	PASS
		5795	36.540	5776.7928	5813.3328	---	PASS
11AC80SISO	Ant1	5775	75.883	5737.0334	5812.9164	---	PASS

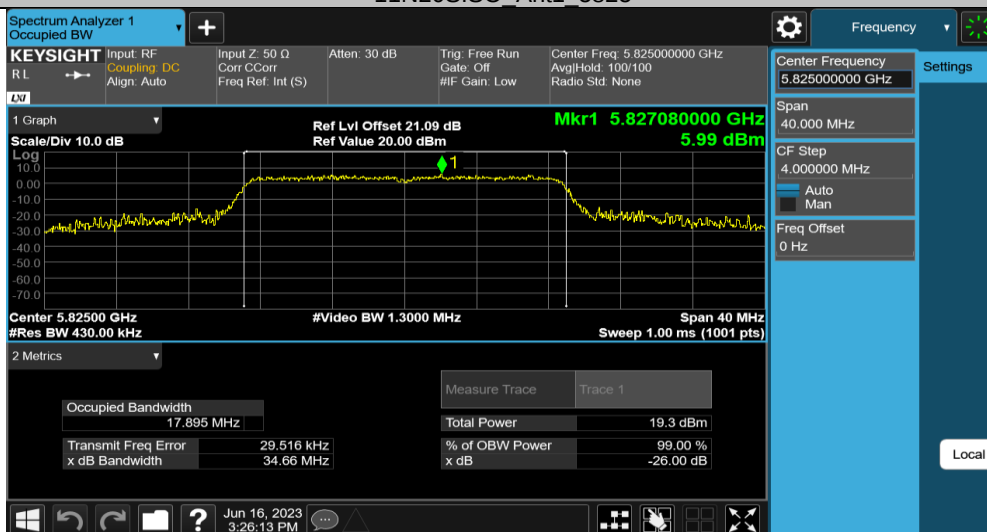




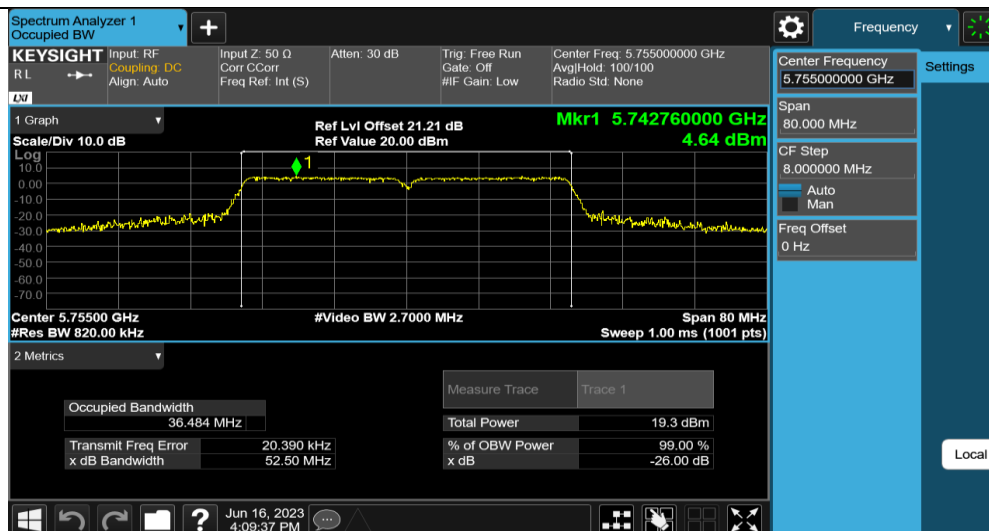
11N20SISO Ant1 5785



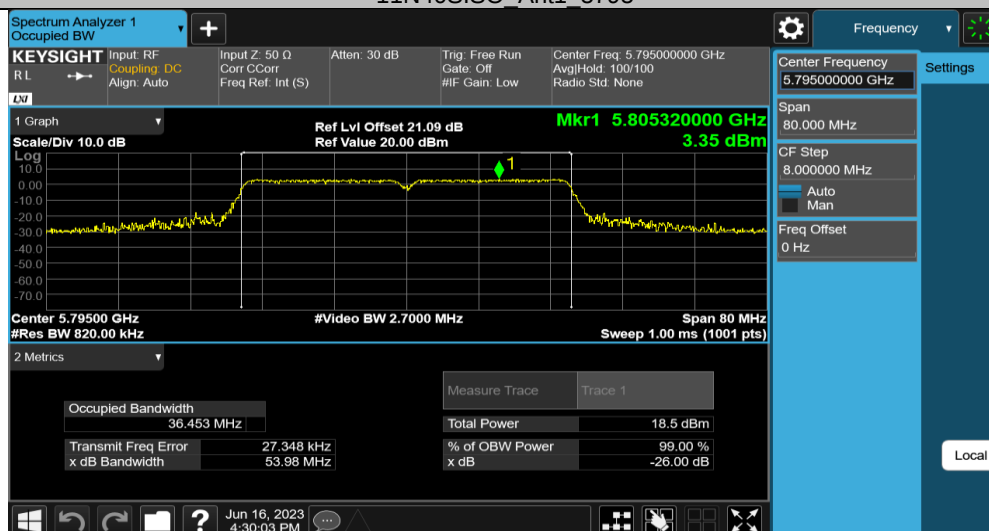
11N20SISO Ant1 5825



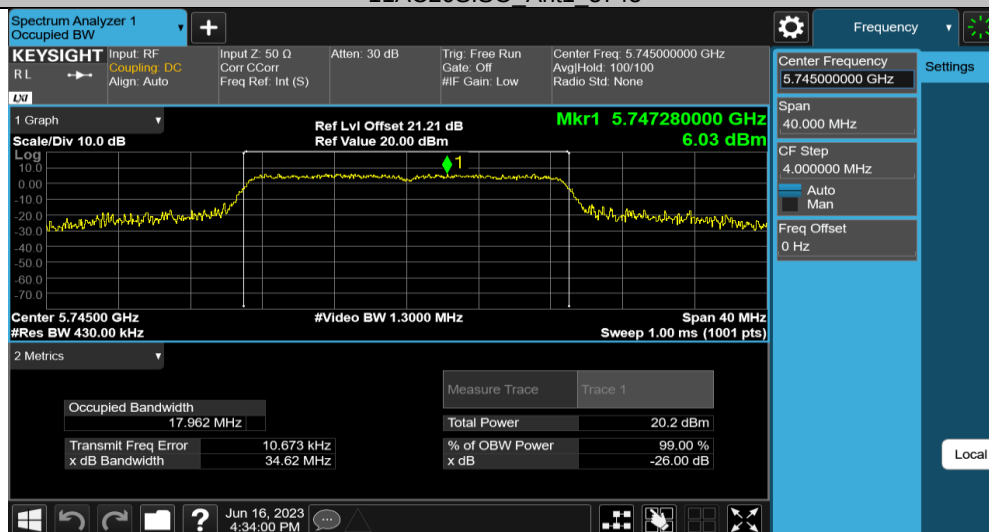
11N40SISO Ant1 5755



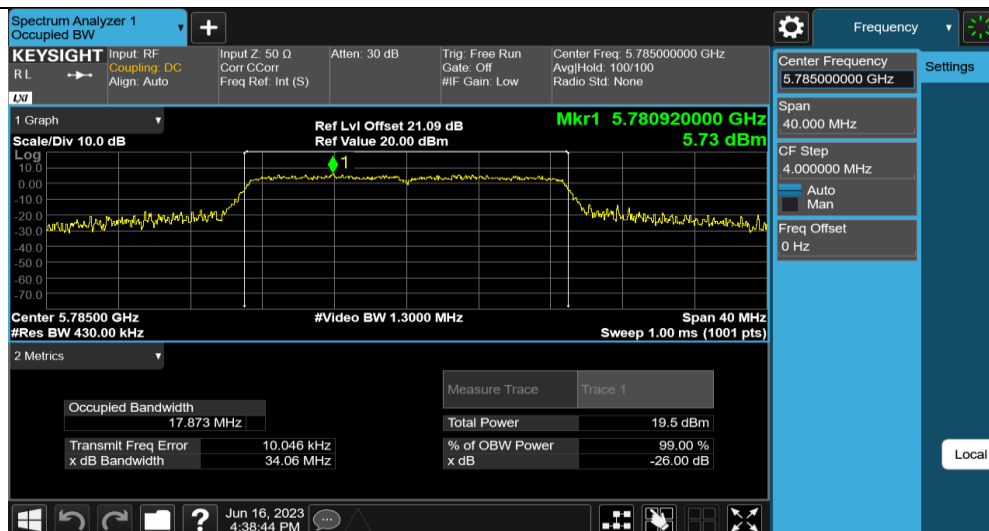
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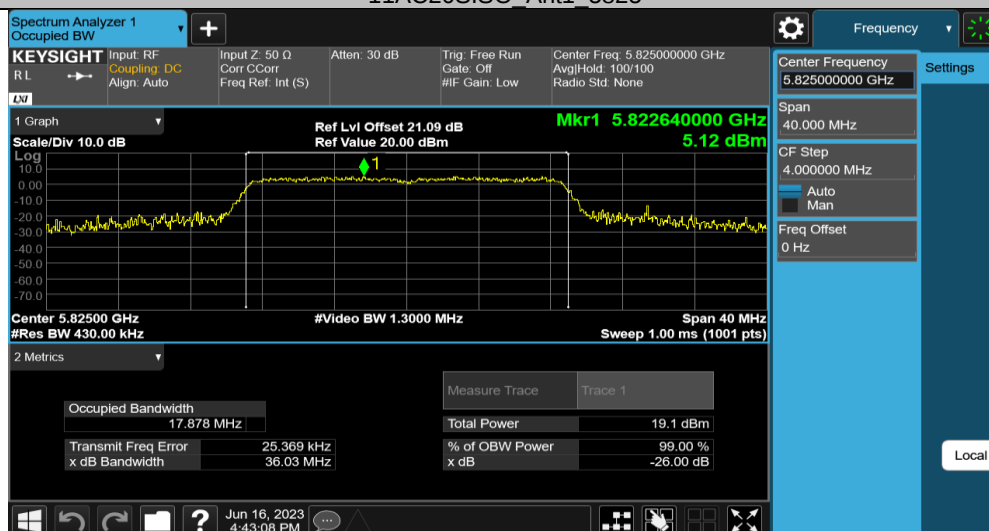
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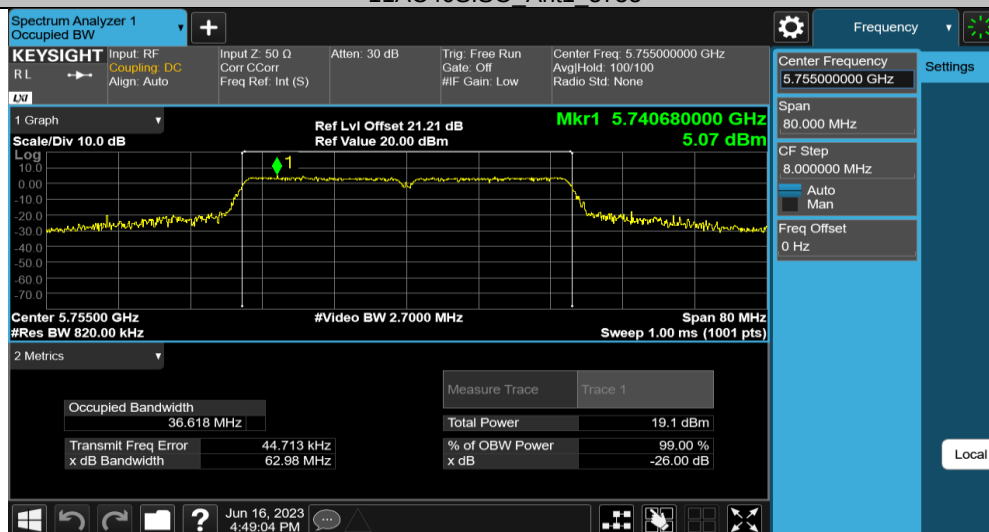
11AC20SISO_Ant1_5785



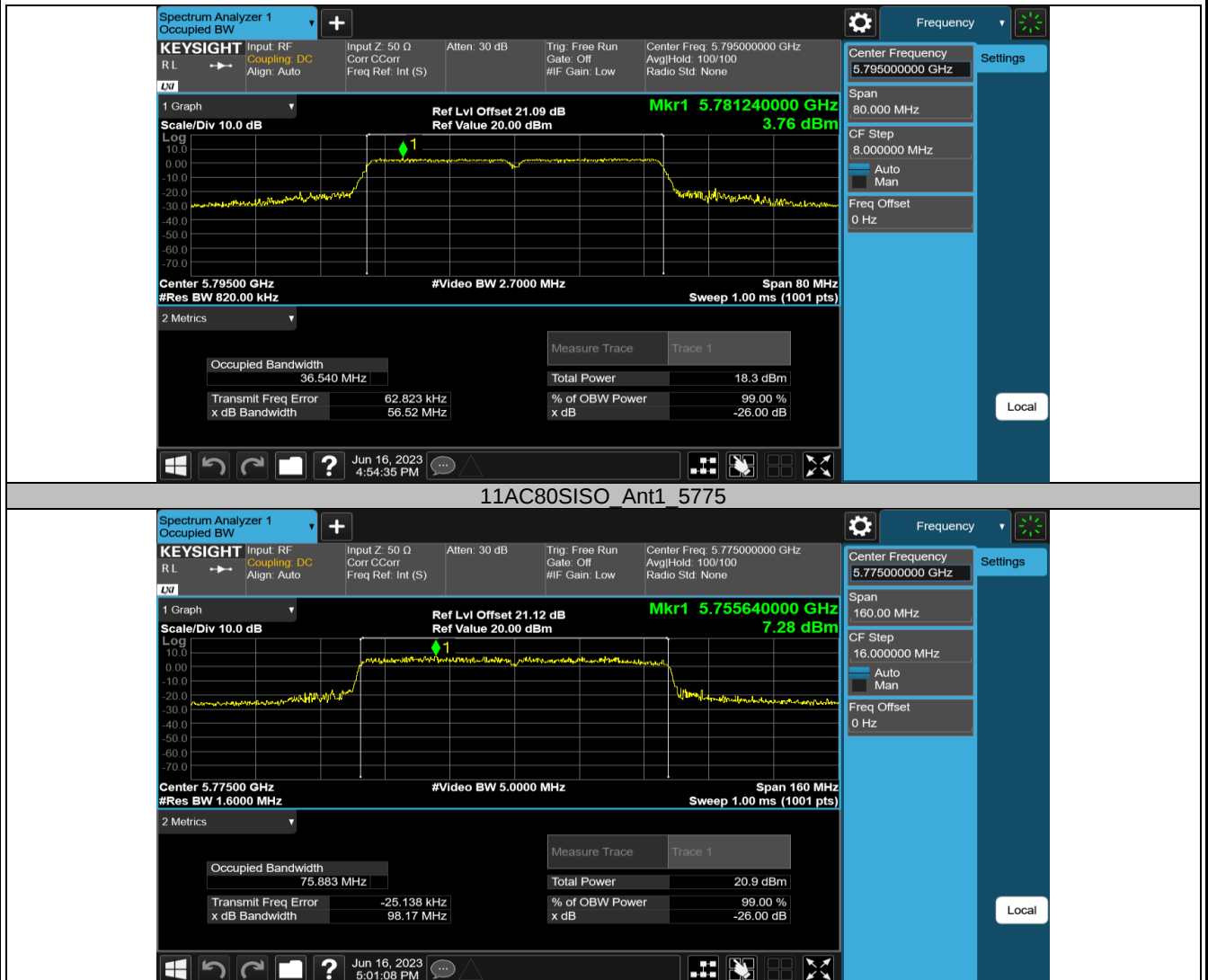
11AC20SISO_Ant1 5825



11AC40SISO_Ant1 5755



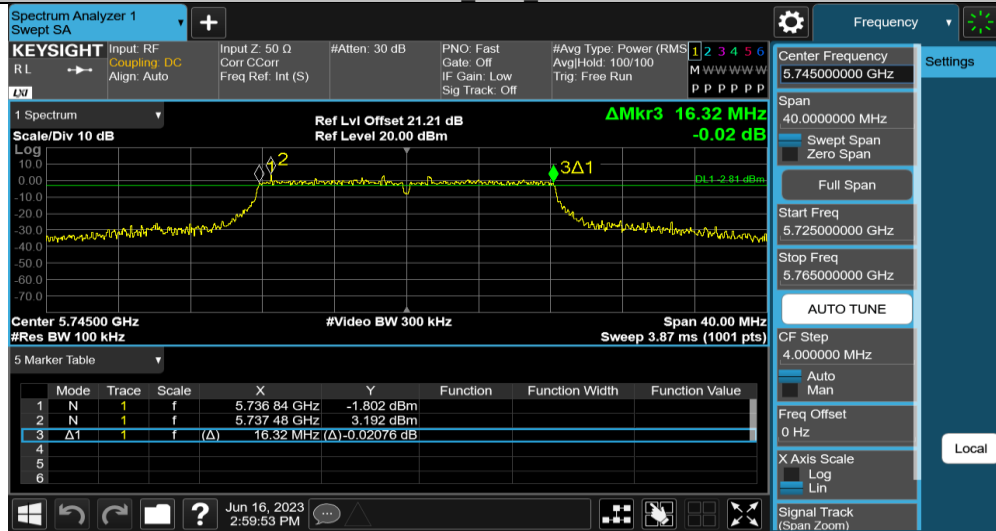
11AC40SISO_Ant1 5795



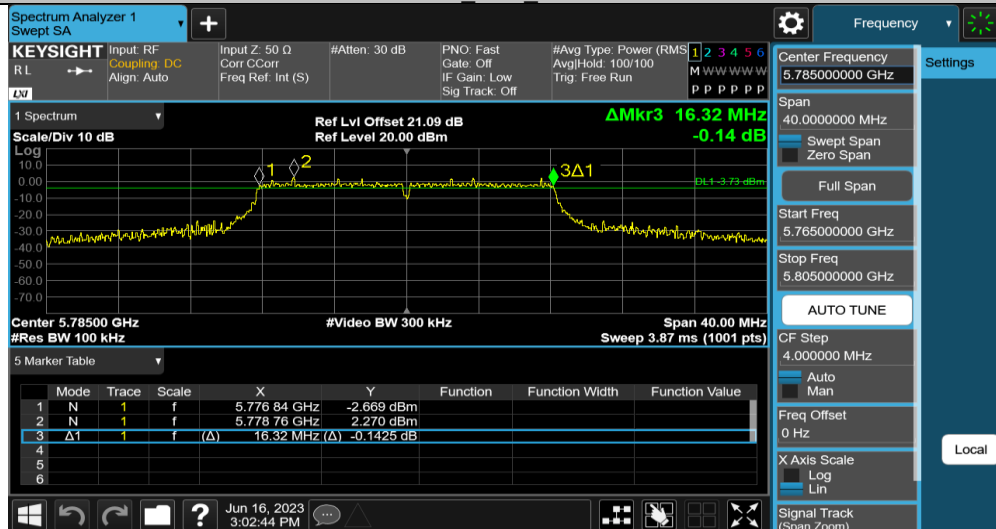
Appendix B.4: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.160	5736.240	5753.400	0.5	PASS
		5785	17.160	5776.400	5793.560	0.5	PASS
		5825	17.080	5816.440	5833.520	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.160	5777.000	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.080	5736.440	5753.520	0.5	PASS
		5785	17.280	5776.480	5793.760	0.5	PASS
		5825	17.080	5816.480	5833.560	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.080	5777.080	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.240	5812.600	0.5	PASS

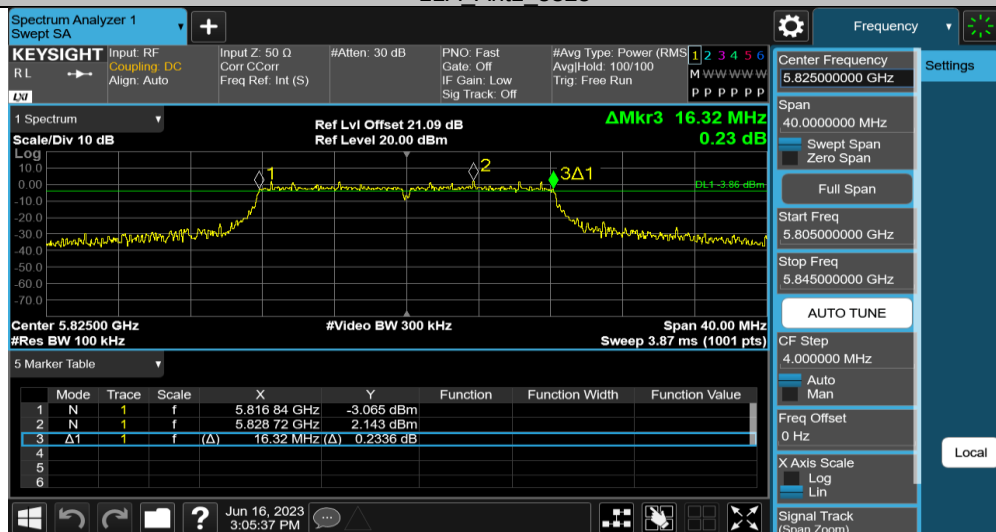
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



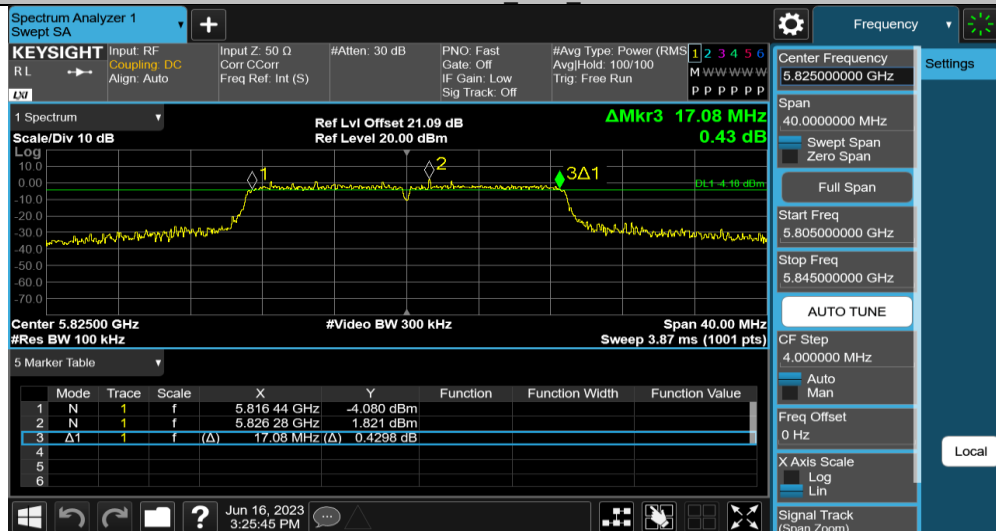
11N20SISO_Ant1_5745



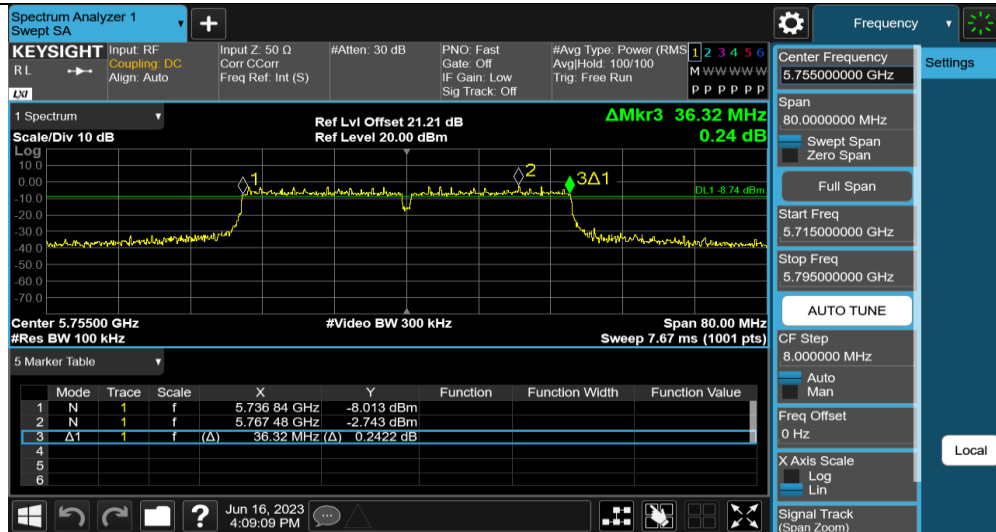
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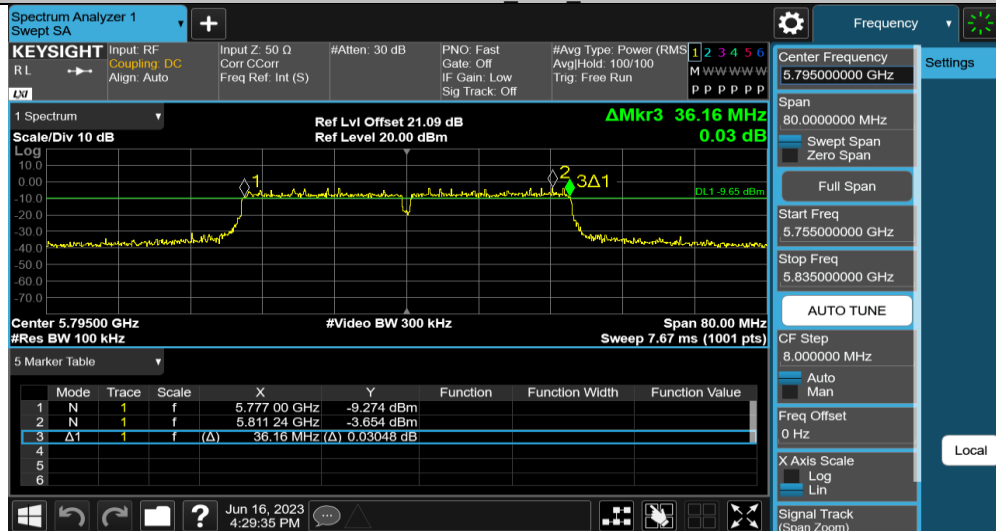
11N20SISO Ant1 5825



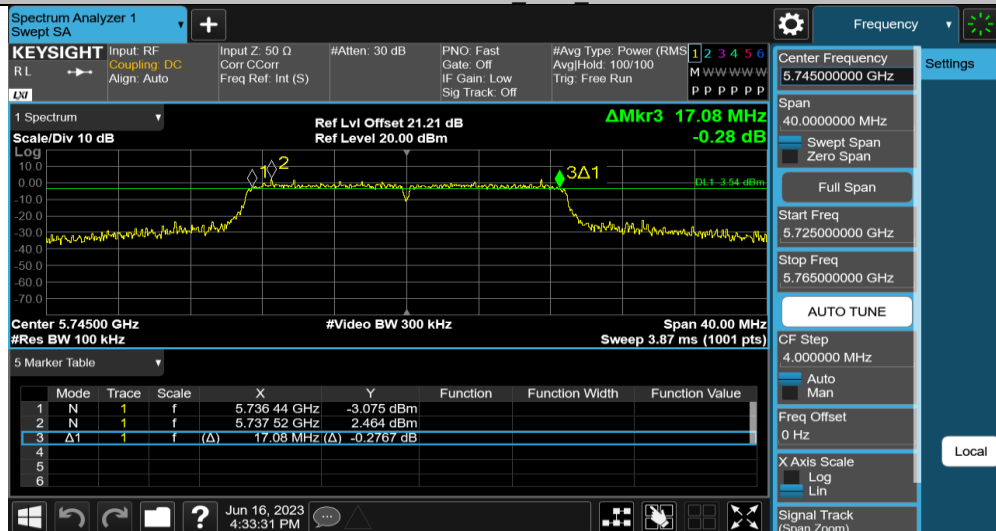
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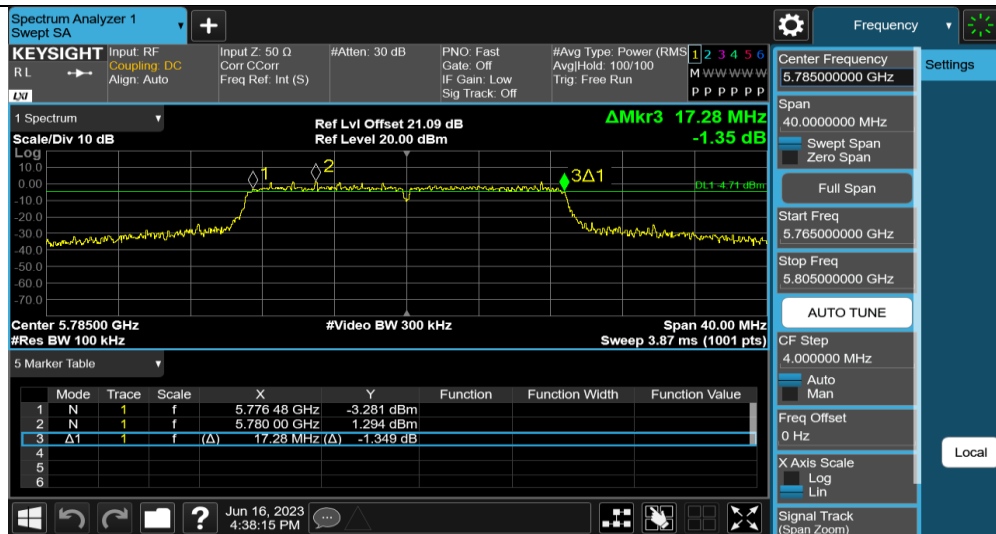
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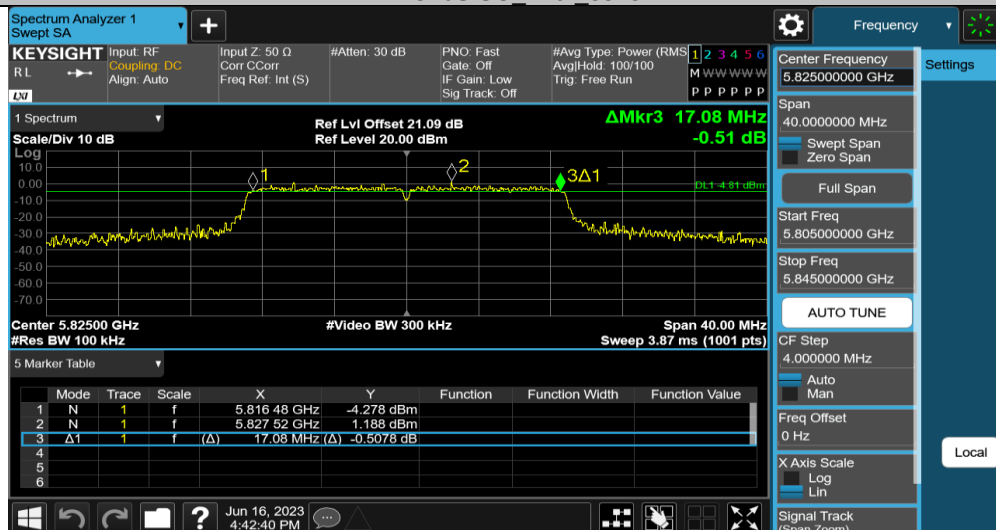
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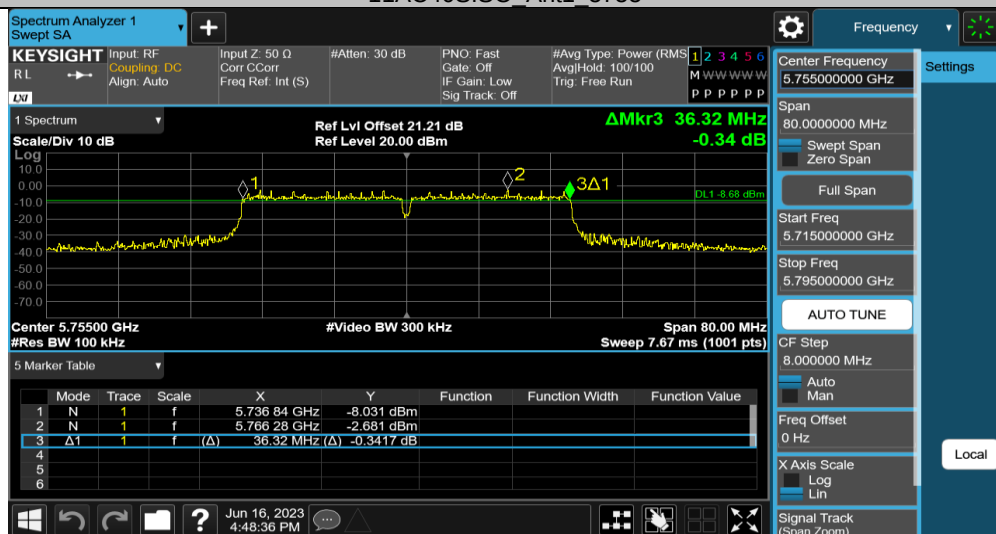
11AC20SISO Ant1 5785



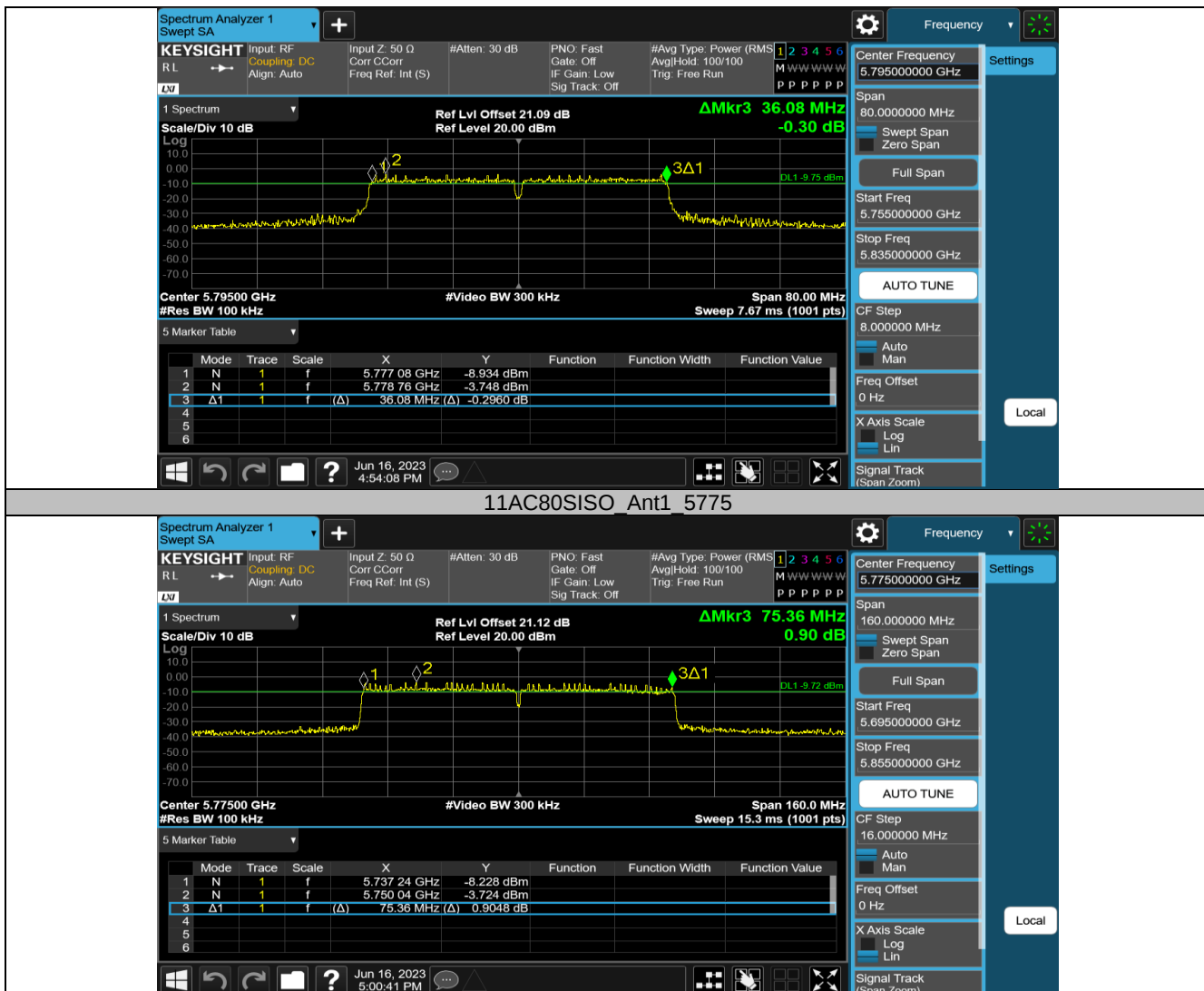
11AC20SISO_Ant1 5825



11AC40SISO_Ant1 5755



11AC40SISO_Ant1 5795



Appendix B.5: Test Results of Radiated Spurious Emissions

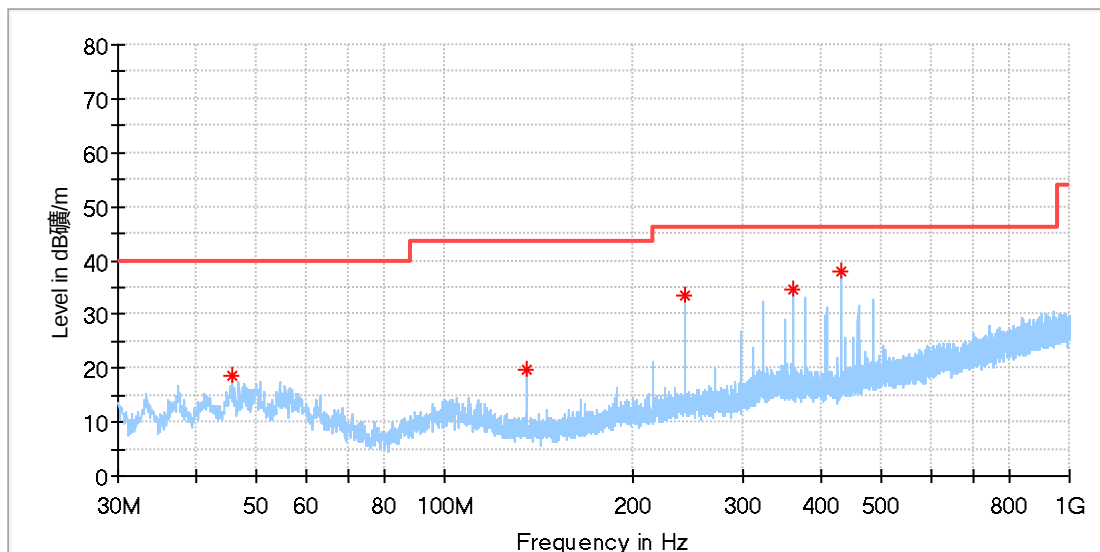
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	DJI Mini 4 Pro
Model:	MT4MFVD
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168427672/A003481038-014
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

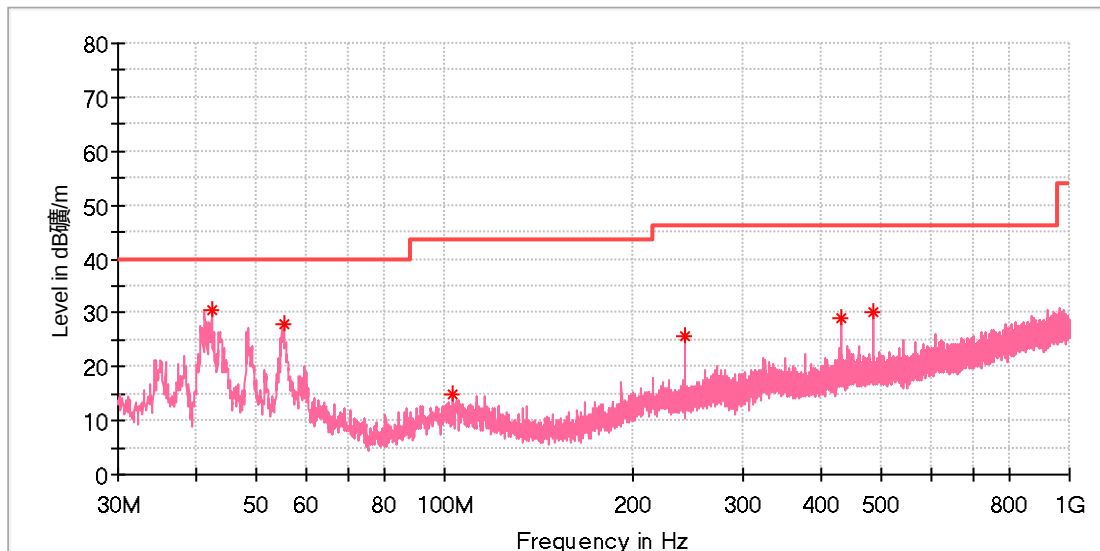
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.665500	18.45	40.00	21.55	100.0	H	252.0	-18.7
135.002500	19.73	43.50	23.77	100.0	H	285.0	-22.1
243.012000	33.62	46.00	12.38	100.0	H	187.0	-17.7
359.994000	34.46	46.00	11.54	100.0	H	21.0	-14.6
432.016500	37.95	46.00	8.05	100.0	H	314.0	-13.3

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:	DJI Mini 4 Pro
Model:	MT4MFVD
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Order No/Sample No:	168427672/A003481038-014
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.407
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)
42.367500	30.38	40.00	9.62	100.0	V	153.0	-19.5
55.220000	27.99	40.00	12.01	100.0	V	74.0	-18.5
102.653000	14.80	43.50	28.70	100.0	V	133.0	-18.9
243.012000	25.84	46.00	20.16	100.0	V	265.0	-17.7
432.016500	28.88	46.00	17.12	100.0	V	215.0	-13.3
485.997000	29.97	46.00	16.03	100.0	V	5.0	-12.0

Final_Result

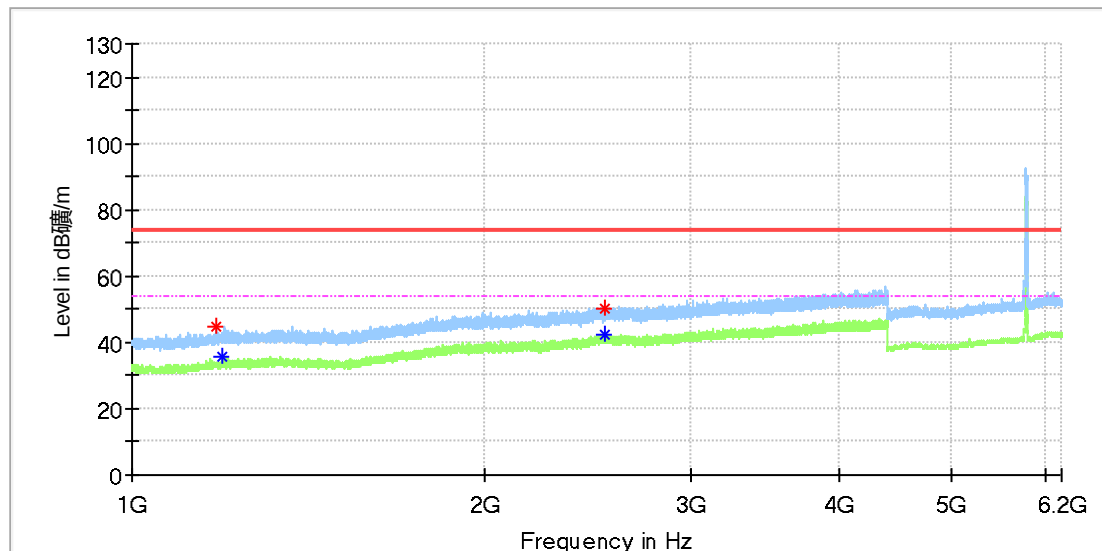
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	DJI Mini 4 Pro
Model:	MT4MFVD
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168427672/A003481038-014
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

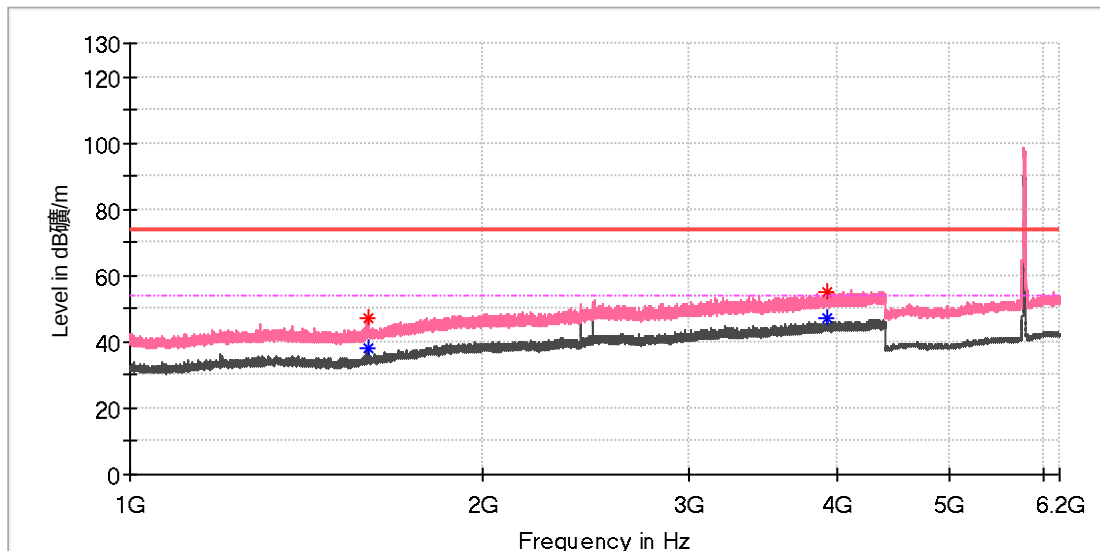
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1178.160000	44.67	---	74.00	29.33	150.0	H	121.0	1.7
1193.120000	---	35.81	54.00	18.19	150.0	H	92.0	1.7
2524.900000	---	42.45	54.00	11.55	150.0	H	111.0	8.5
2525.920000	50.45	---	74.00	23.55	150.0	H	140.0	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:	DJI Mini 4 Pro
Model:	MT4MFVD
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168427672/A003481038-014
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

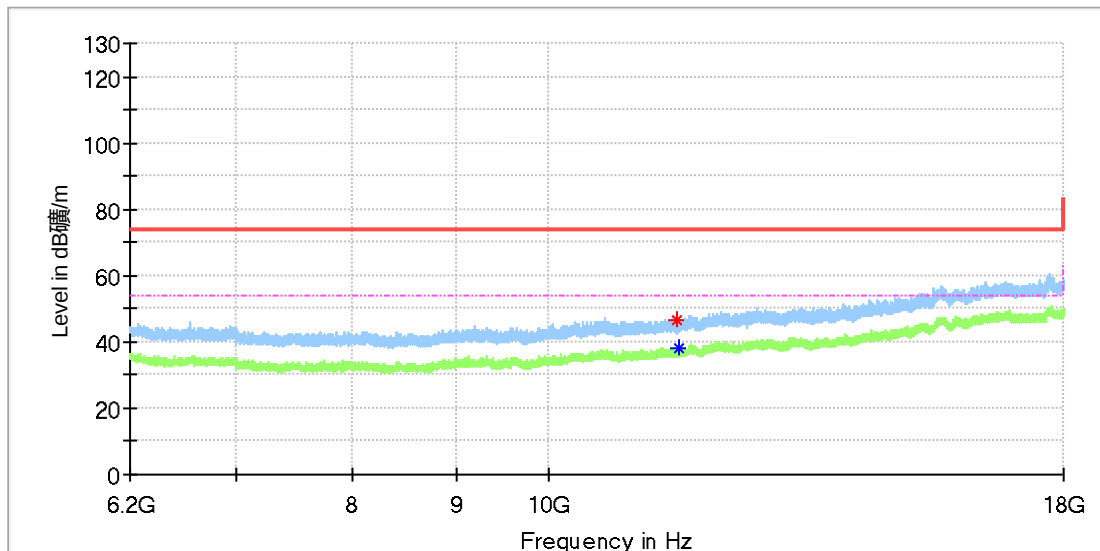
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.170000	47.01	---	74.00	26.99	150.0	V	192.0	2.8
1596.870000	---	37.97	54.00	16.03	150.0	V	192.0	2.8
3925.020000	54.96	---	74.00	19.04	150.0	V	263.0	11.6
3925.020000	---	47.01	54.00	6.99	150.0	V	263.0	11.6

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:	DJI Mini 4 Pro
Model:	MT4MFVD
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168427672/A003481038-014
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

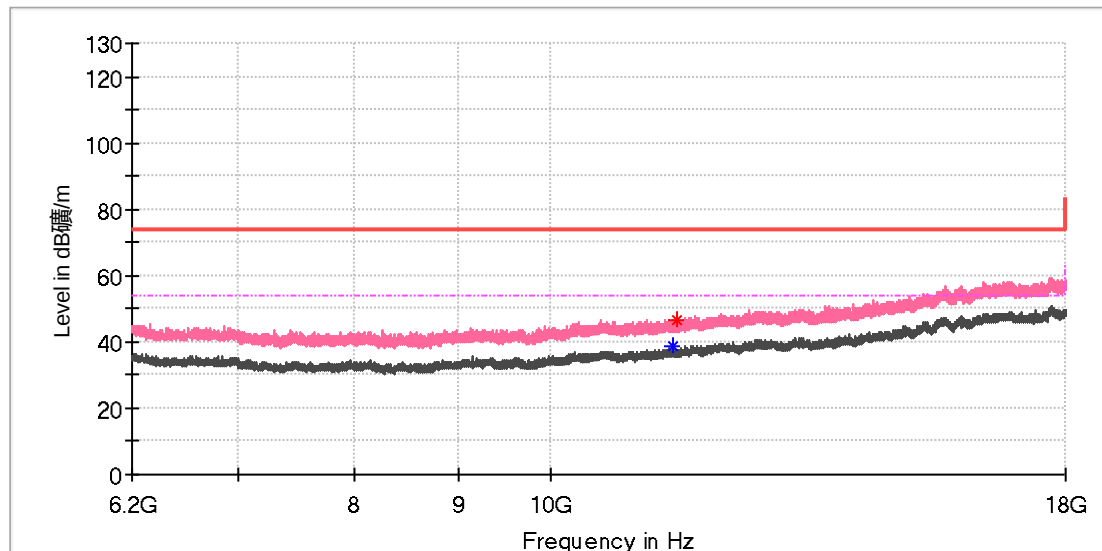
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11578.341667	46.84	---	74.00	27.16	150.0	H	256.0	13.4
11593.583333	---	38.29	54.00	15.71	150.0	H	171.0	13.3

Final_Result

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

EUT Information

EUT Name: DJI Mini 4 Pro
Model: MT4MFVD
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168427672/A003481038-014
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.407
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)
11506.558333	---	38.66	54.00	15.34	150.0	V	111.0	13.7
11558.675000	46.42	---	74.00	27.58	150.0	V	34.0	13.5

Final_Result

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