AppendixA1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26dB EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.40	---	---
11A	Ant2	5180	19.73	---	---
11A	Ant1	5200	19.99	---	---
11A	Ant2	5200	19.96	---	---
11A	Ant1	5240	19.78	---	---
11A	Ant2	5240	19.98	---	---
11A	Ant1	5260	19.72	---	---
11A	Ant2	5260	19.42	---	---
11A	Ant1	5280	19.74	---	---
11A	Ant2	5280	20.00	---	---
11A	Ant1	5320	19.57	---	---
11A	Ant2	5320	19.65	---	---
11A	Ant1	5500	19.40	---	---
11A	Ant2	5500	19.87	---	---
11A	Ant1	5580	20.50	---	---
11A	Ant2	5580	23.34	---	---
11A	Ant1	5700	19.56	---	---
11A	Ant2	5700	19.63	---	---
11A	Ant1	5745	19.72	---	---
11A	Ant2	5745	19.67	---	---
11A	Ant1	5785	20.10	---	---
11A	Ant2	5785	19.78	---	---
11A	Ant1	5825	19.90	---	---
11A	Ant2	5825	22.83	---	---
11N20SISO	Ant1	5180	19.94	---	---
11N20SISO	Ant2	5180	19.83	---	---
11N20SISO	Ant1	5200	19.92	---	---
11N20SISO	Ant2	5200	20.30	---	---
11N20SISO	Ant1	5240	20.09	---	---
11N20SISO	Ant2	5240	19.86	---	---
11N20SISO	Ant1	5260	20.07	---	---
11N20SISO	Ant2	5260	20.01	---	---
11N20SISO	Ant1	5280	20.03	---	---
11N20SISO	Ant2	5280	19.91	---	---
11N20SISO	Ant1	5320	20.13	---	---
11N20SISO	Ant2	5320	20.06	---	---
11N20SISO	Ant1	5500	19.94	---	---
11N20SISO	Ant2	5500	20.02	---	---
11N20SISO	Ant1	5580	20.34	---	---

11N20SISO	Ant2	5580	23.35	---	---
11N20SISO	Ant1	5700	20.37	---	---
11N20SISO	Ant2	5700	20.12	---	---
11N20SISO	Ant1	5745	20.06	---	---
11N20SISO	Ant2	5745	20.06	---	---
11N20SISO	Ant1	5785	20.11	---	---
11N20SISO	Ant2	5785	20.17	---	---
11N20SISO	Ant1	5825	20.28	---	---
11N20SISO	Ant2	5825	22.20	---	---
11N40SISO	Ant1	5190	40.15	---	---
11N40SISO	Ant2	5190	39.71	---	---
11N40SISO	Ant1	5230	40.69	---	---
11N40SISO	Ant2	5230	40.31	---	---
11N40SISO	Ant1	5270	40.11	---	---
11N40SISO	Ant2	5270	41.09	---	---
11N40SISO	Ant1	5310	40.71	---	---
11N40SISO	Ant2	5310	39.98	---	---
11N40SISO	Ant1	5510	40.36	---	---
11N40SISO	Ant2	5510	40.23	---	---
11N40SISO	Ant1	5550	39.98	---	---
11N40SISO	Ant2	5550	43.25	---	---
11N40SISO	Ant1	5670	40.28	---	---
11N40SISO	Ant2	5670	40.51	---	---
11N40SISO	Ant1	5755	40.62	---	---
11N40SISO	Ant2	5755	40.08	---	---
11N40SISO	Ant1	5795	40.37	---	---
11N40SISO	Ant2	5795	40.91	---	---
11AC20SISO	Ant1	5180	19.98	---	---
11AC20SISO	Ant2	5180	20.08	---	---
11AC20SISO	Ant1	5200	19.86	---	---
11AC20SISO	Ant2	5200	20.01	---	---
11AC20SISO	Ant1	5240	20.01	---	---
11AC20SISO	Ant2	5240	20.10	---	---
11AC20SISO	Ant1	5260	20.12	---	---
11AC20SISO	Ant2	5260	20.39	---	---
11AC20SISO	Ant1	5280	20.09	---	---
11AC20SISO	Ant2	5280	19.96	---	---
11AC20SISO	Ant1	5320	20.40	---	---
11AC20SISO	Ant2	5320	20.15	---	---
11AC20SISO	Ant1	5500	20.27	---	---
11AC20SISO	Ant2	5500	20.14	---	---
11AC20SISO	Ant1	5580	20.44	---	---
11AC20SISO	Ant2	5580	23.57	---	---
11AC20SISO	Ant1	5700	20.18	---	---

11AC20SISO	Ant2	5700	19.96	---	---
11AC20SISO	Ant1	5745	20.17	---	---
11AC20SISO	Ant2	5745	19.82	---	---
11AC20SISO	Ant1	5785	20.27	---	---
11AC20SISO	Ant2	5785	20.24	---	---
11AC20SISO	Ant1	5825	20.52	---	---
11AC20SISO	Ant2	5825	21.72	---	---
11AC40SISO	Ant1	5190	40.35	---	---
11AC40SISO	Ant2	5190	40.01	---	---
11AC40SISO	Ant1	5230	40.24	---	---
11AC40SISO	Ant2	5230	40.56	---	---
11AC40SISO	Ant1	5270	39.91	---	---
11AC40SISO	Ant2	5270	40.33	---	---
11AC40SISO	Ant1	5310	39.89	---	---
11AC40SISO	Ant2	5310	40.54	---	---
11AC40SISO	Ant1	5510	40.35	---	---
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11AC40SISO	Ant1	5550	40.28	---	---
11AC40SISO	Ant2	5550	40.83	---	---
11AC40SISO	Ant1	5670	39.93	---	---
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11AC40SISO	Ant1	5795	40.76	---	---
11AC40SISO	Ant2	5795	40.52	---	---
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11AC80SISO	Ant2	5290	79.83	---	---
11AC80SISO	Ant1	5530	80.08	---	---
11AC80SISO	Ant2	5530	80.84	---	---
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11N20MIMO	Ant2	5200	19.85	---	---
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11N20MIMO	Ant2	5240	20.01	---	---
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11N20MIMO	Ant2	5260	20.22	---	---
11N20MIMO	Ant1	5280	20.23	---	---

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11N20MIMO	Ant2	5320	20.09	---	---
11N20MIMO	Ant1	5500	19.81	---	---
11N20MIMO	Ant2	5500	19.85	---	---
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11N20MIMO	Ant2	5580	19.85	---	---
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11N20MIMO	Ant2	5700	20.19	---	---
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11N20MIMO	Ant2	5745	19.88	---	---
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11N20MIMO	Ant2	5785	19.85	---	---
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11AC40MIMO	Ant1	5190	40.16	---	---
11AC40MIMO	Ant2	5190	39.50	---	---
11AC40MIMO	Ant1	5230	40.15	---	---
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11AC40MIMO	Ant1	5270	40.70	---	---
11AC40MIMO	Ant2	5270	40.09	---	---
11AC40MIMO	Ant1	5310	40.34	---	---
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11AC40MIMO	Ant1	5795	40.47	---	---
11AC40MIMO	Ant2	5795	40.07	---	---
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11AC80MIMO	Ant2	5290	80.16	---	---
11AC80MIMO	Ant1	5530	80.26	---	---
11AC80MIMO	Ant2	5530	79.72	---	---
11AC80MIMO	Ant1	5610	80.66	---	---
11AC80MIMO	Ant2	5610	82.40	---	---
11AC80MIMO	Ant1	5775	93.29	---	---
11AC80MIMO	Ant2	5775	80.03	---	---

Test Graphs

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11A-Ant2-5180

11A-Ant1-5200

11A-Ant2-5200

11A-Ant1-5240
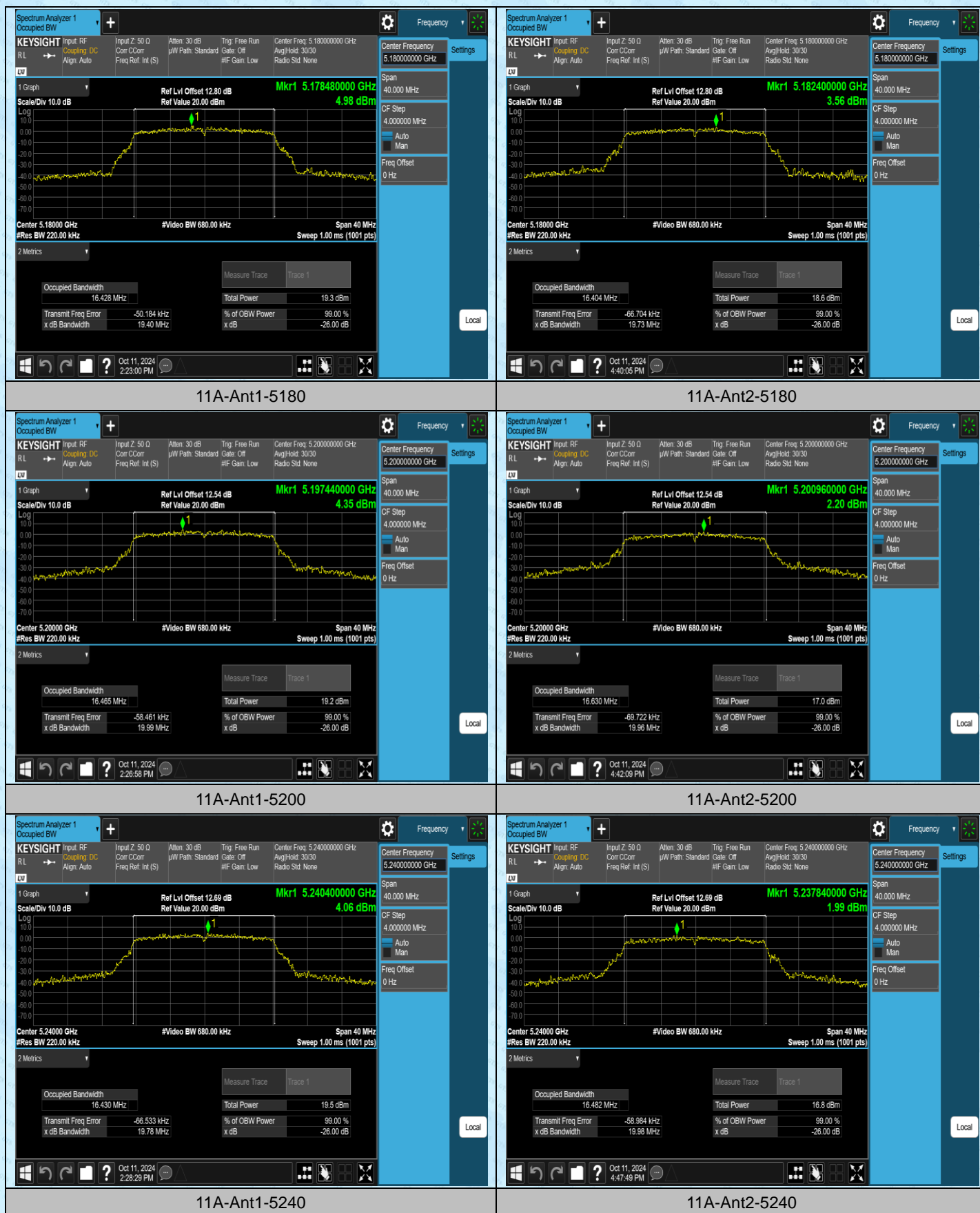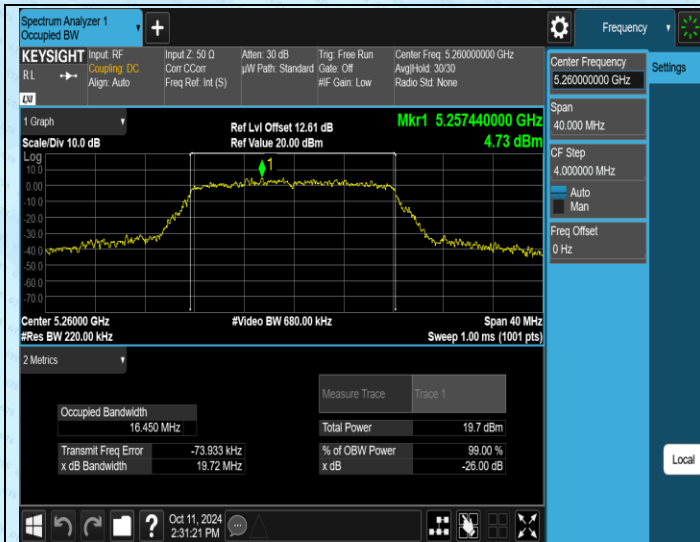
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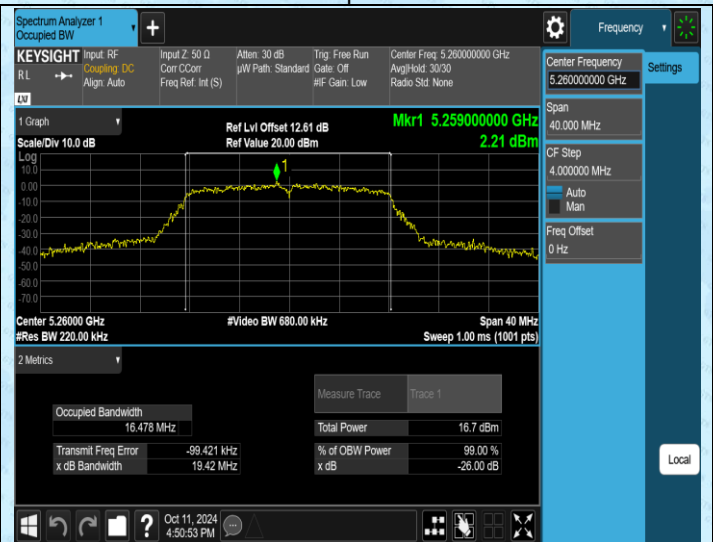
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11A-Ant2-5260

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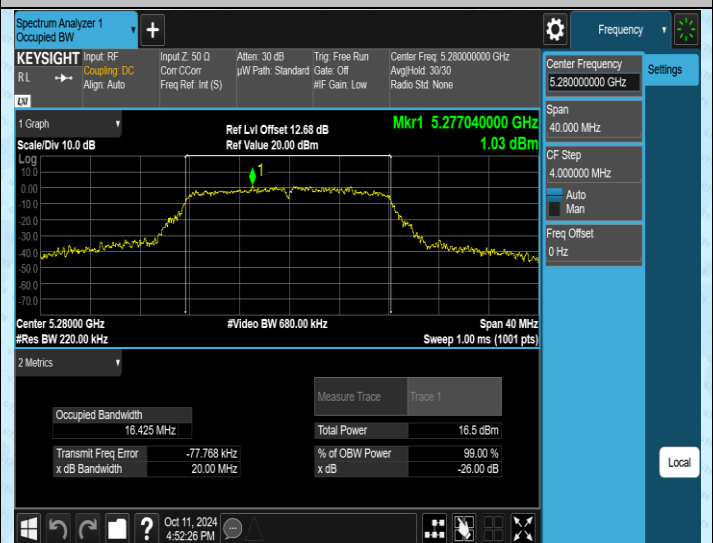
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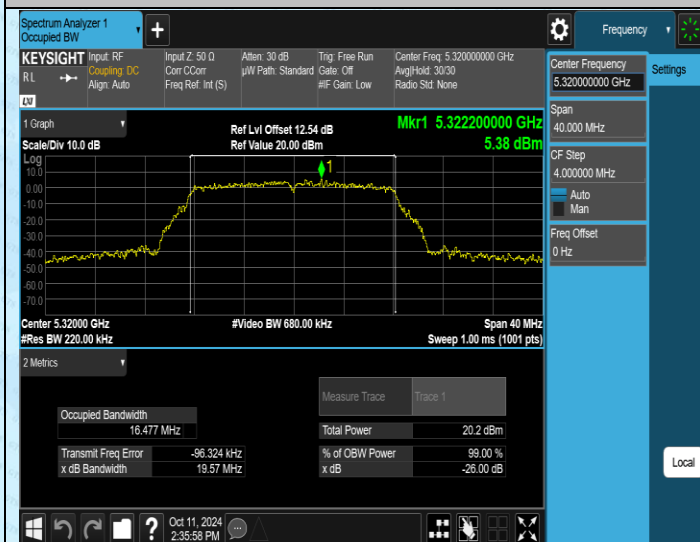
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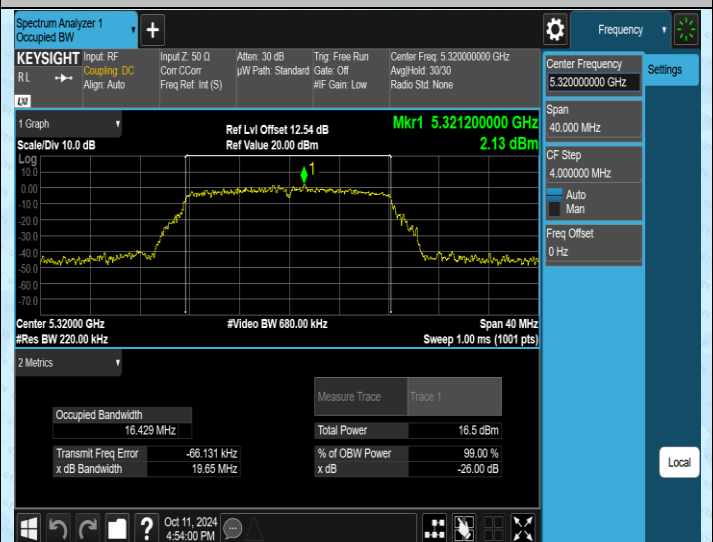
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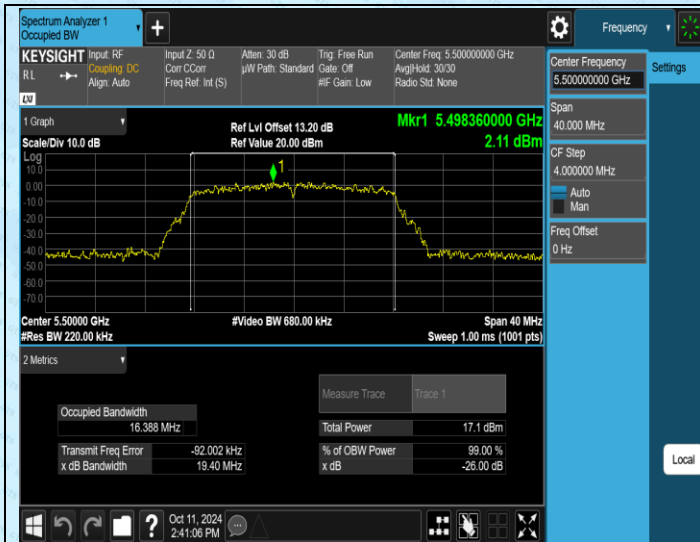
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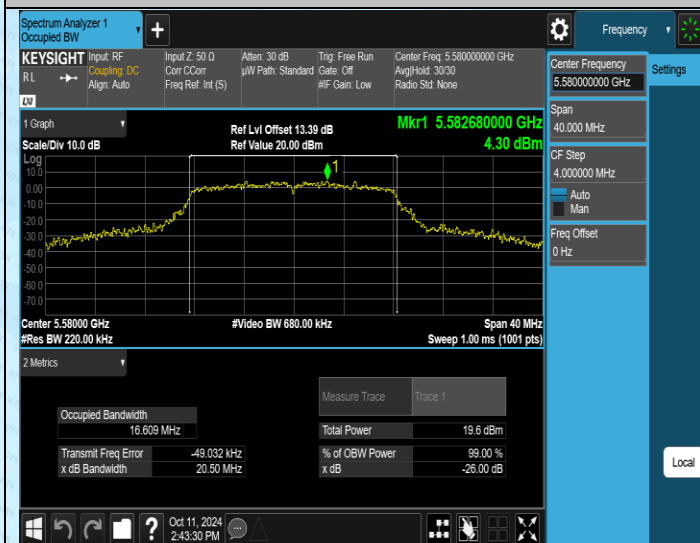
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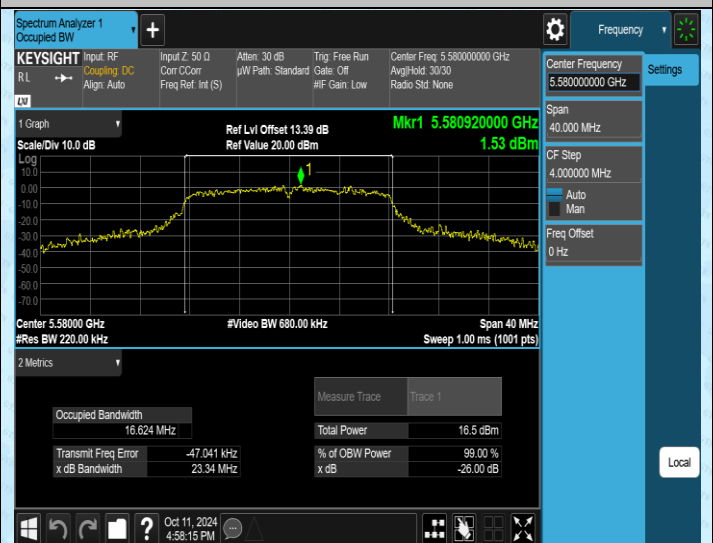
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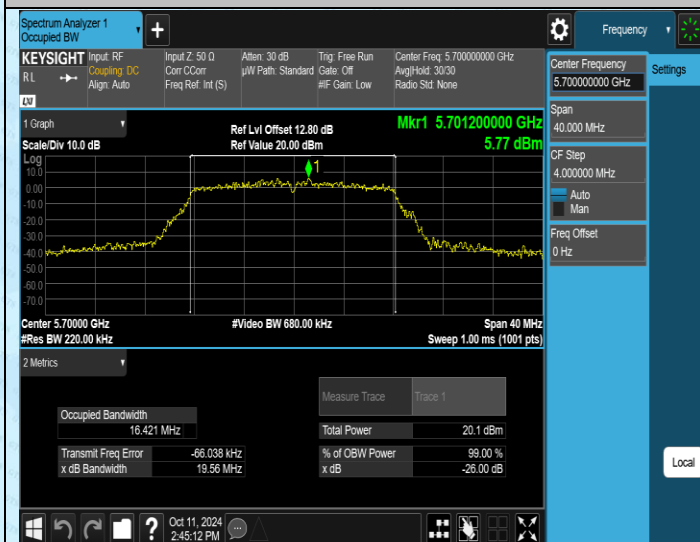
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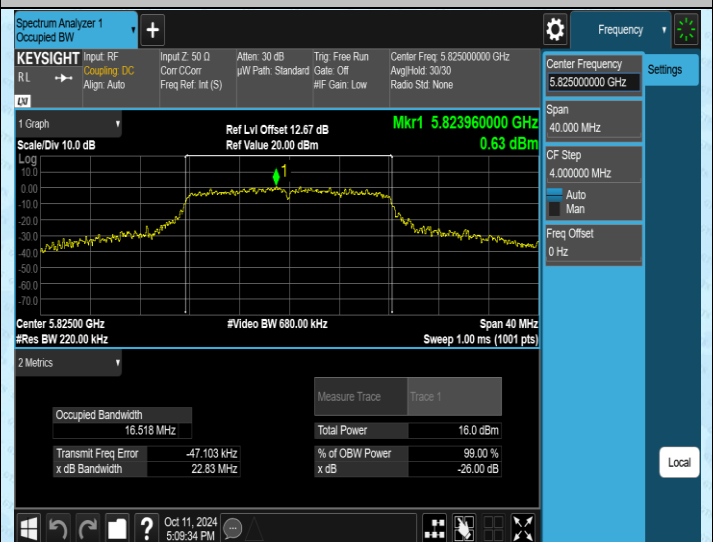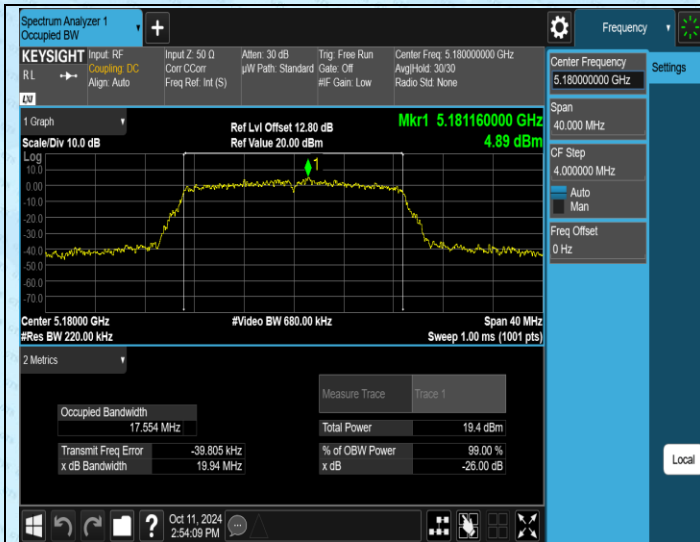
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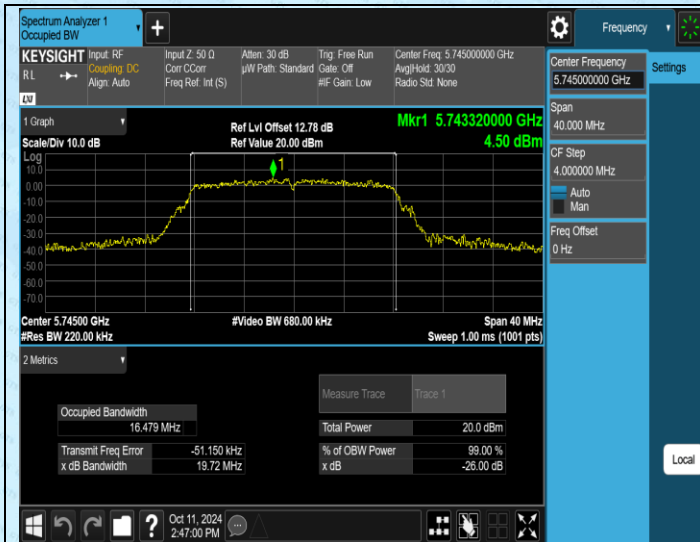
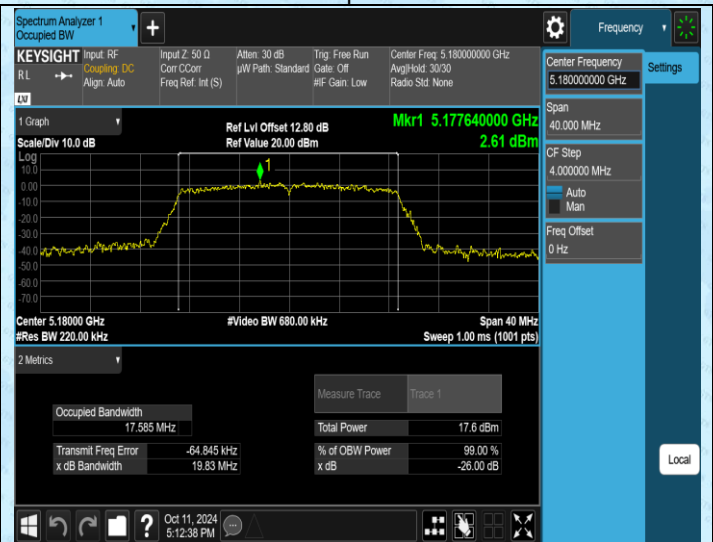11A-Ant1-5745
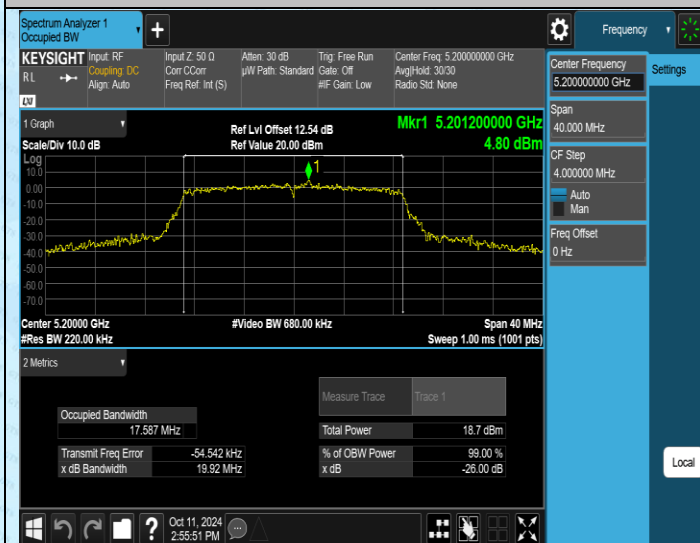

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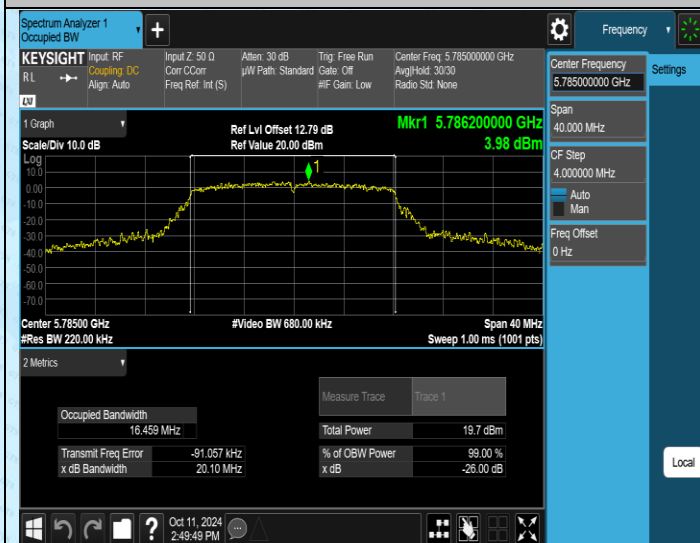
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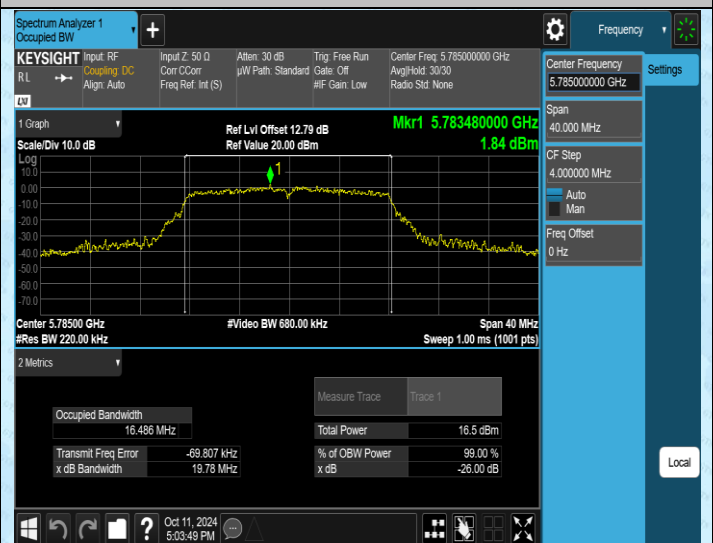
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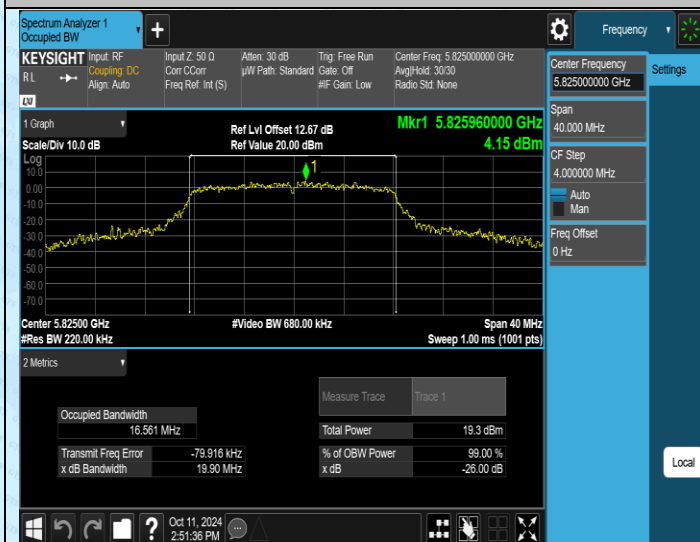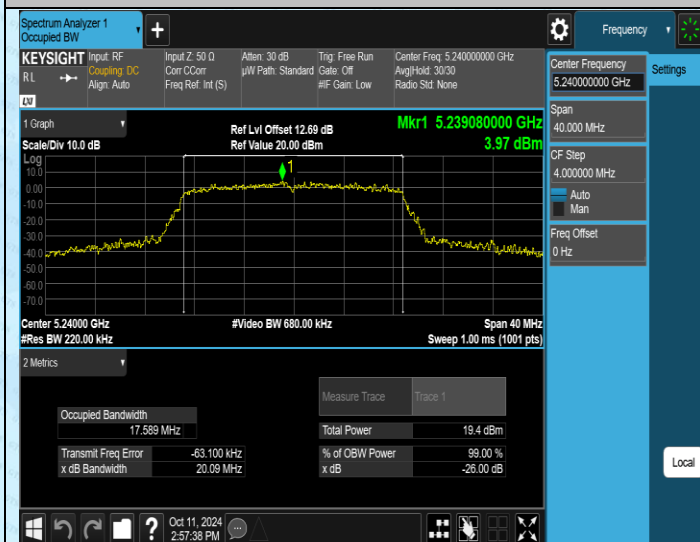

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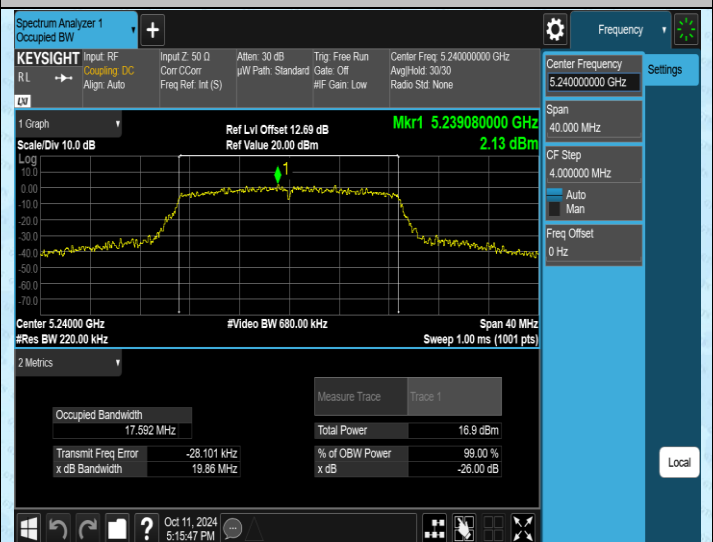

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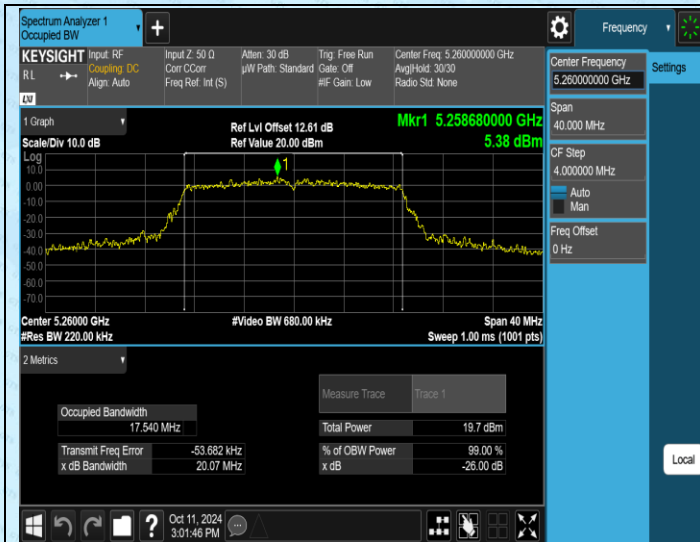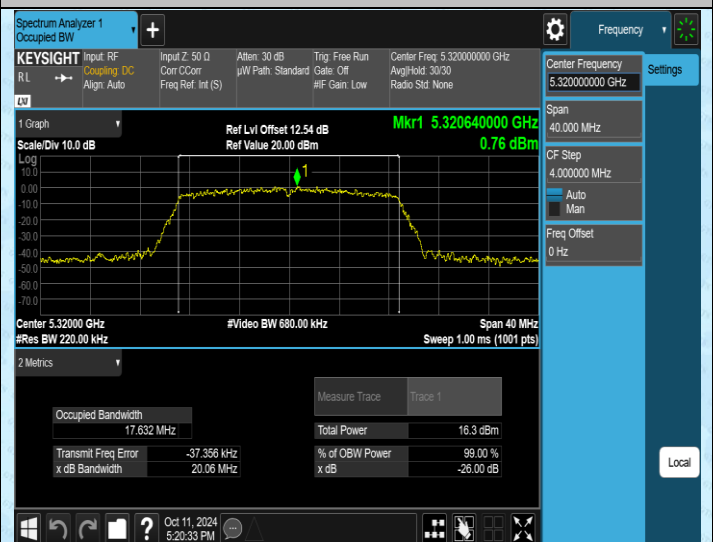11N20SISO-Ant1-5180

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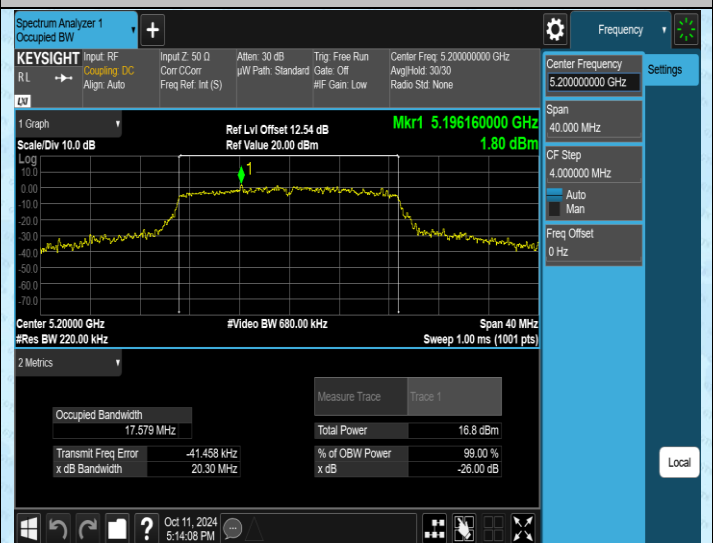
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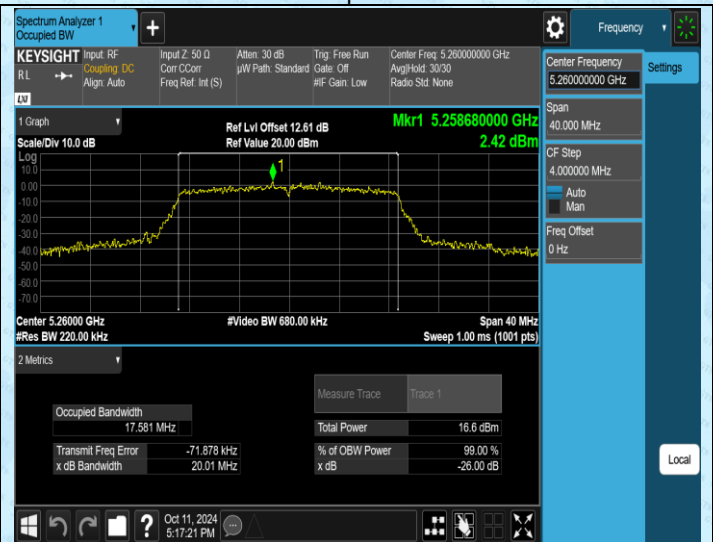
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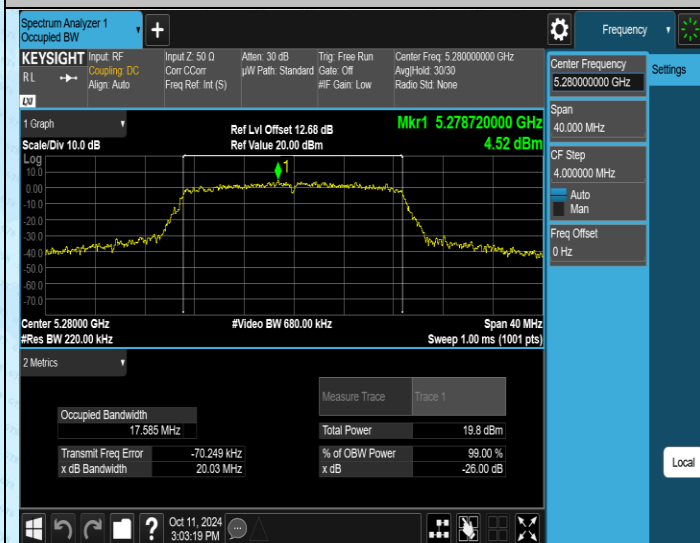
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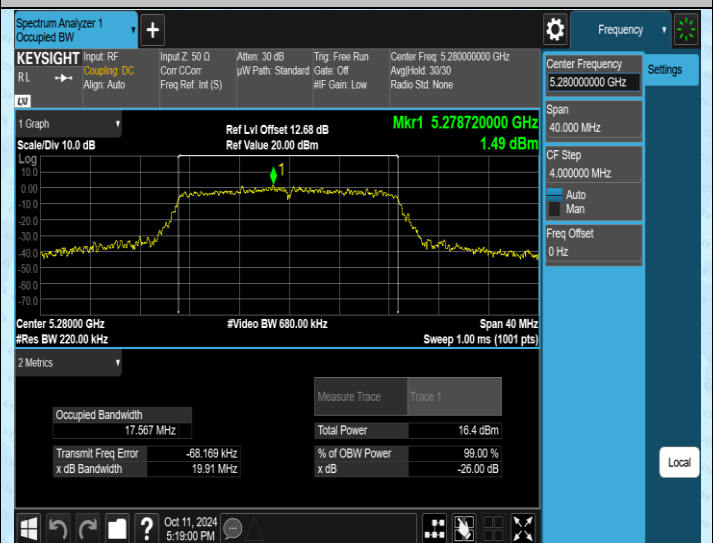
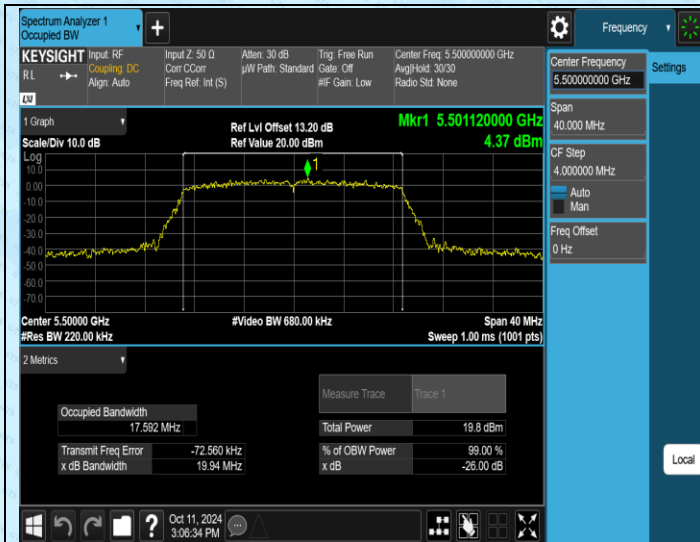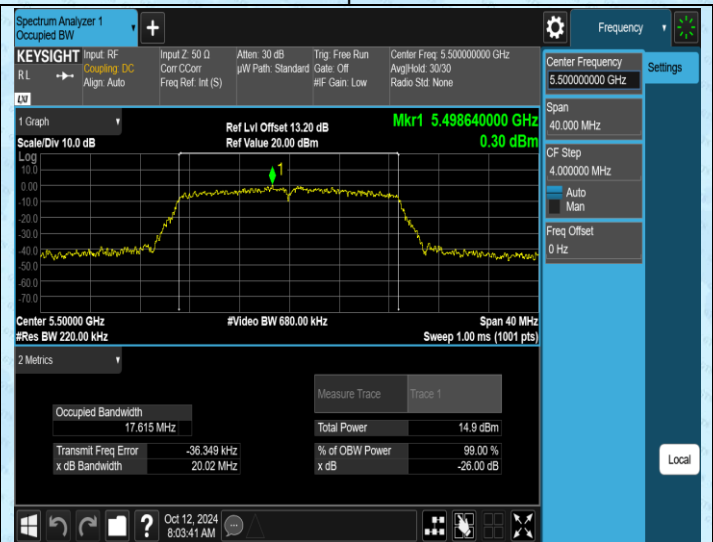11N20SISO-Ant2-5280
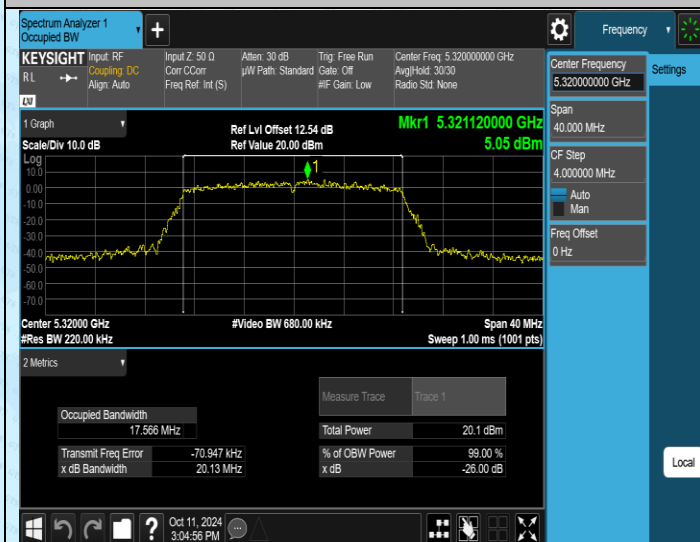
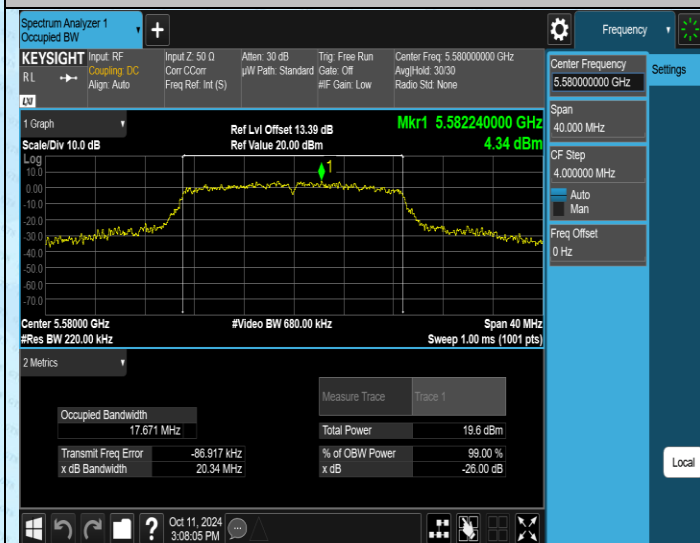11N20SISO-Ant1-5320
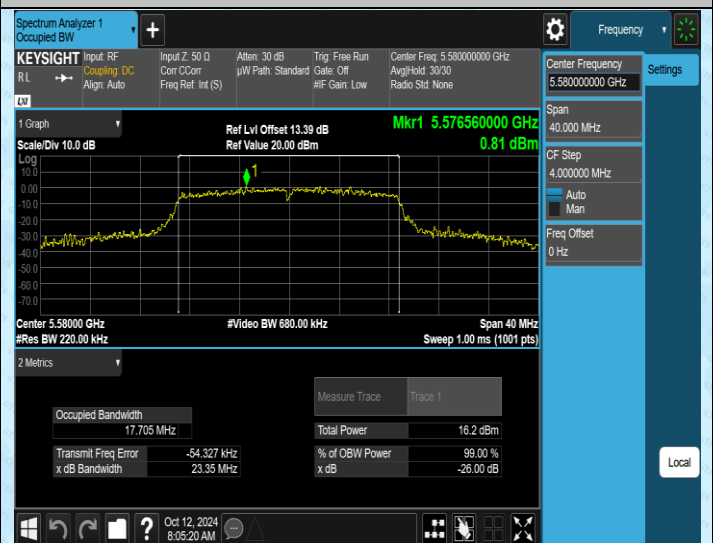

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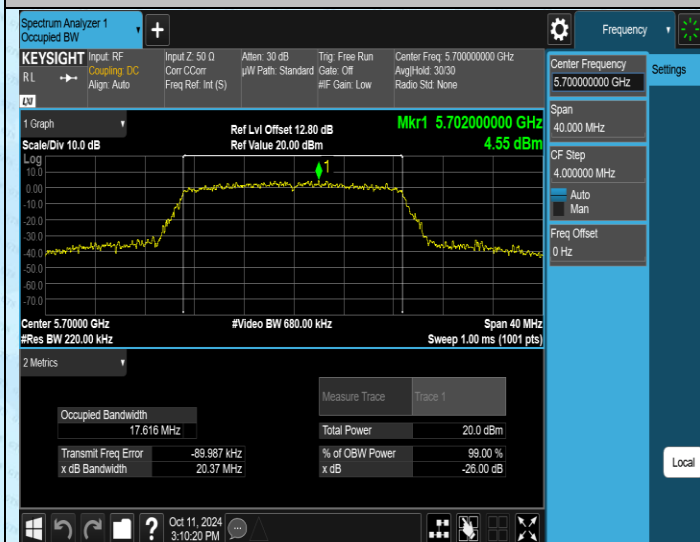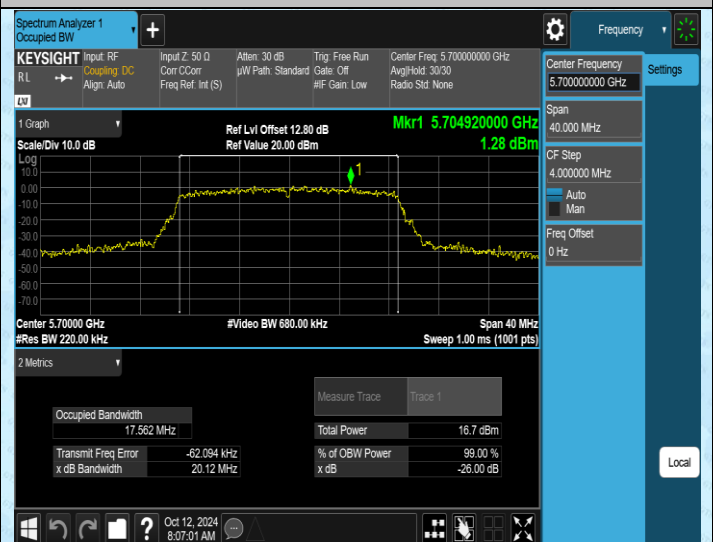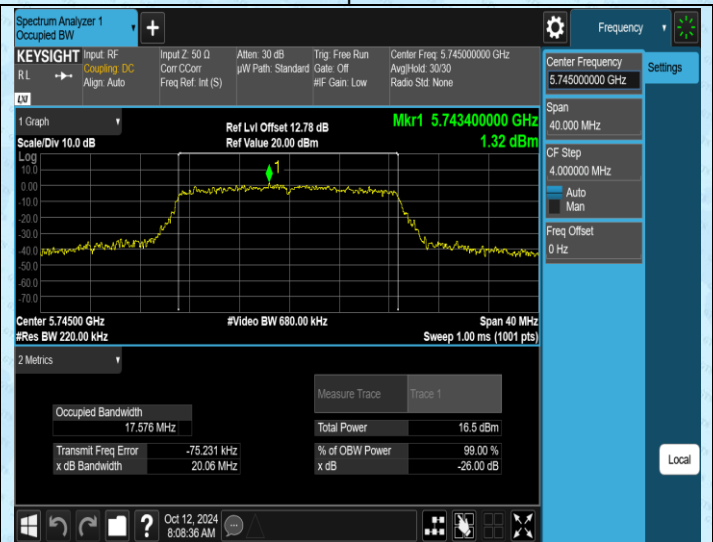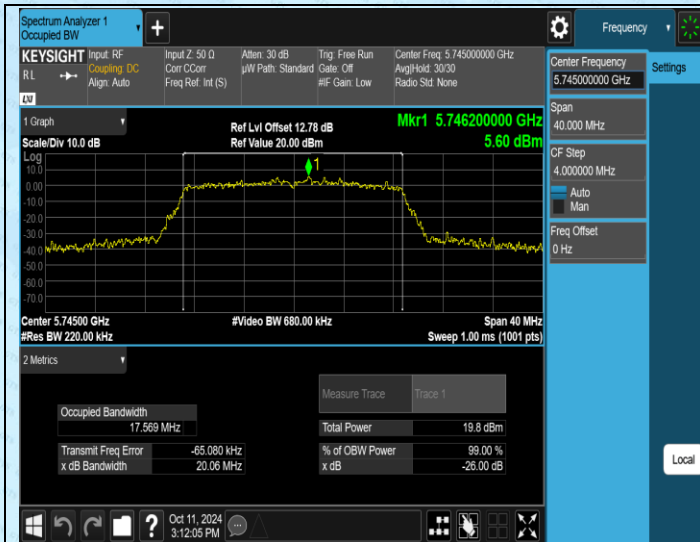

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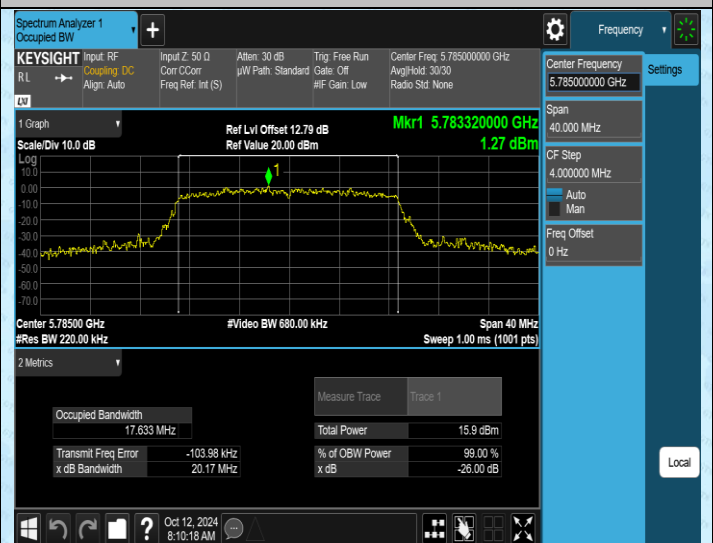11N20SISO-Ant1-5580

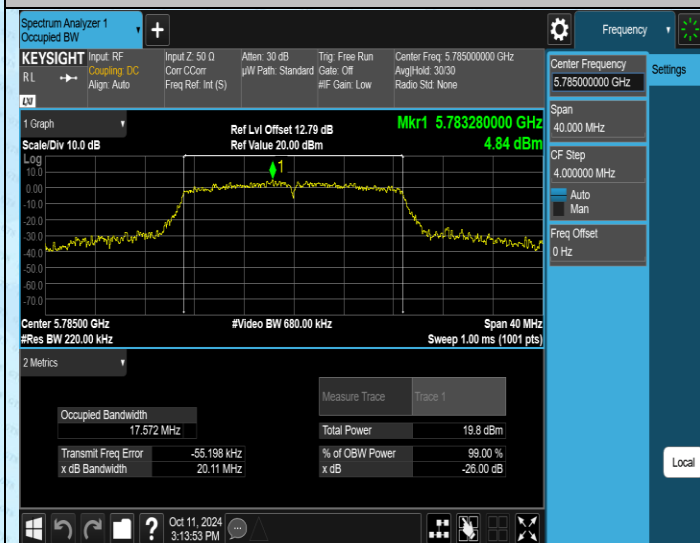11N20SISO-Ant2-5580

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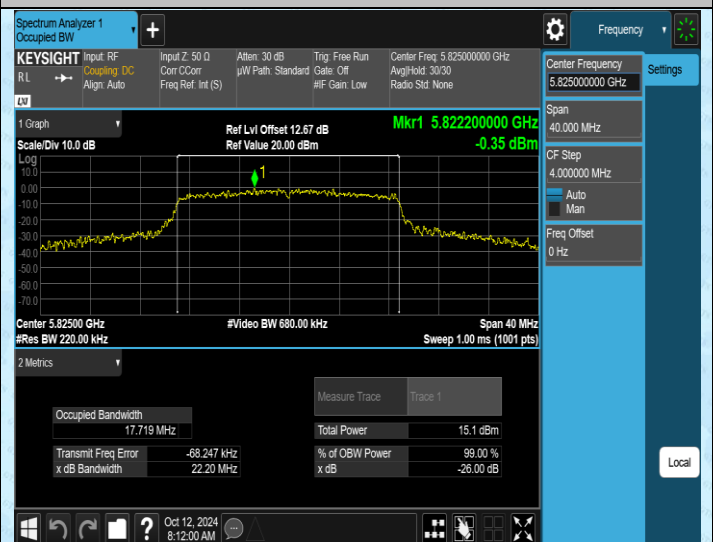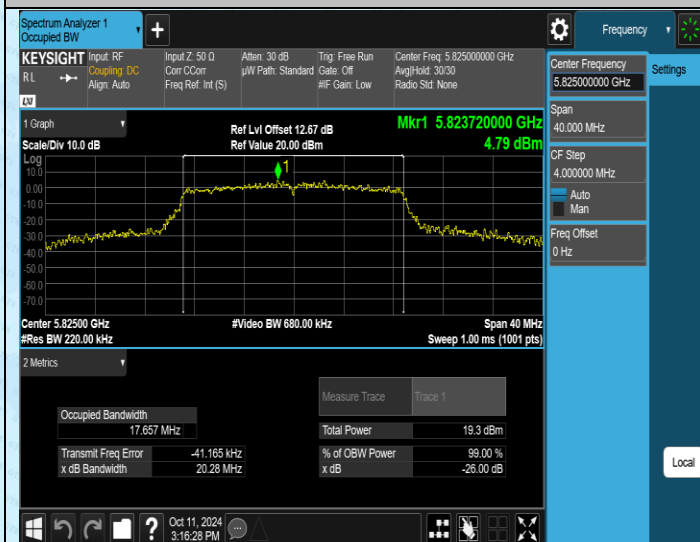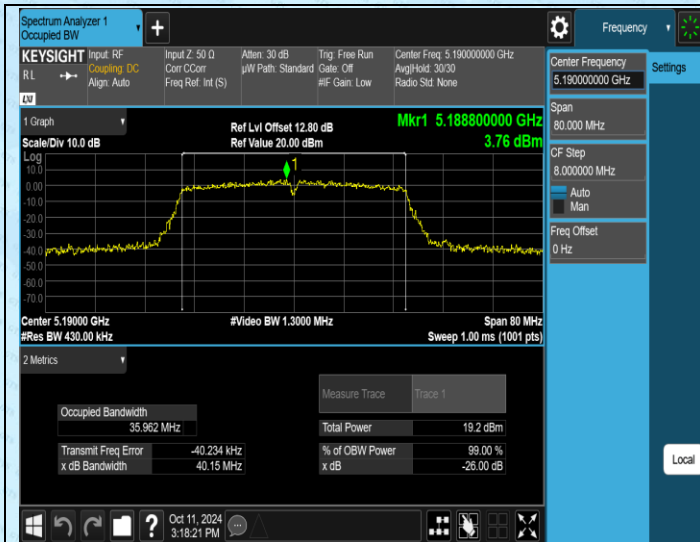

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11N20SISO-Ant2-5745
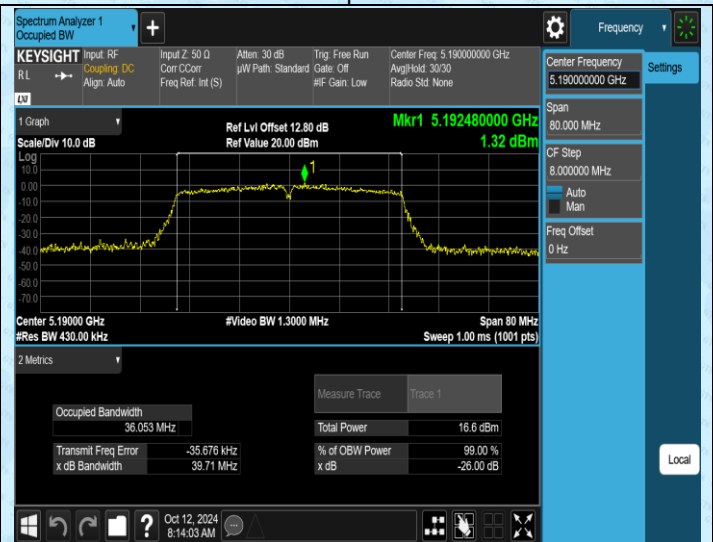

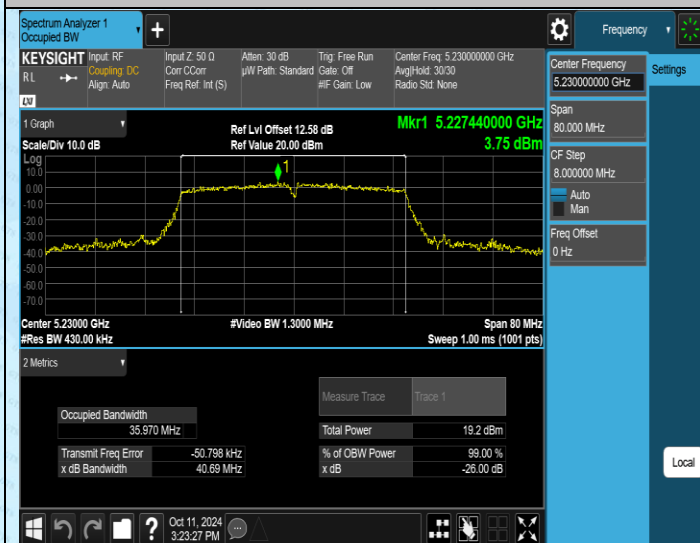11N20SISO-Ant1-5785

11N20SISO-Ant2-5785

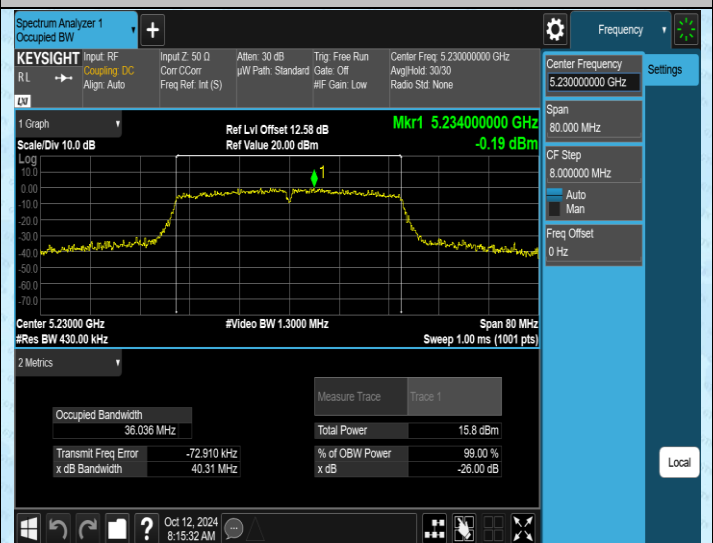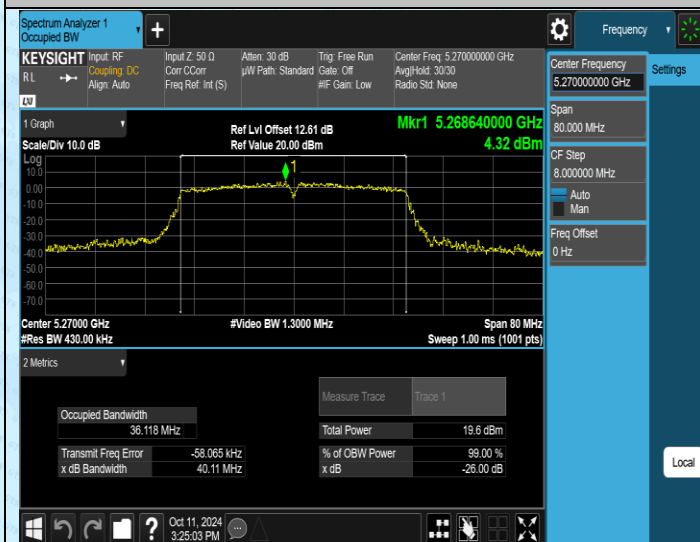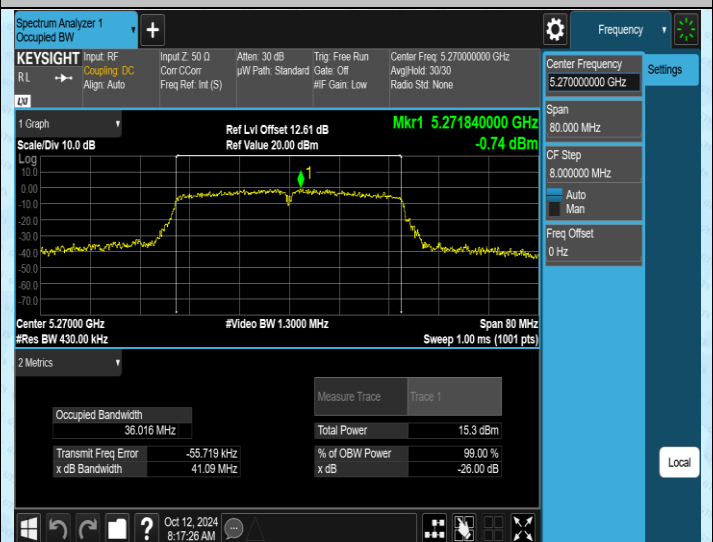11N20SISO-Ant1-5825

11N20SISO-Ant2-5825

11N40SISO-Ant1-5190		**11N40SISO-Ant2-5190**

Panel 1 (11N40SISO-Ant1-5190):
- Center Freq: 5.190000000 GHz
- Mkr1 5.188800000 GHz 3.76 dBm
- Ref Lvl Offset 12.80 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 35.962 MHz
- Total Power 19.2 dBm
- Transmit Freq Error -40.234 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 40.15 MHz
- x dB -26.00 dB
- Oct 11, 2024 3:18:21 PM

Panel 2 (11N40SISO-Ant2-5190):
- Center Freq: 5.190000000 GHz
- Mkr1 5.192480000 GHz 1.32 dBm
- Ref Lvl Offset 12.80 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 36.053 MHz
- Total Power 16.6 dBm
- Transmit Freq Error -35.676 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 39.71 MHz
- x dB -26.00 dB
- Oct 12, 2024 8:14:03 AM

11N40SISO-Ant1-5230		**11N40SISO-Ant2-5230**

Panel 3 (11N40SISO-Ant1-5230):
- Center Freq: 5.230000000 GHz
- Mkr1 5.227440000 GHz 3.75 dBm
- Ref Lvl Offset 12.58 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 35.970 MHz
- Total Power 19.2 dBm
- Transmit Freq Error -50.798 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 40.69 MHz
- x dB -26.00 dB
- Oct 11, 2024 3:23:27 PM

Panel 4 (11N40SISO-Ant2-5230):
- Center Freq: 5.230000000 GHz
- Mkr1 5.234000000 GHz -0.19 dBm
- Ref Lvl Offset 12.58 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 36.036 MHz
- Total Power 15.8 dBm
- Transmit Freq Error -72.910 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 40.31 MHz
- x dB -26.00 dB
- Oct 12, 2024 8:15:32 AM

11N40SISO-Ant1-5270		**11N40SISO-Ant2-5270**

Panel 5 (11N40SISO-Ant1-5270):
- Center Freq: 5.270000000 GHz
- Mkr1 5.268640000 GHz 4.32 dBm
- Ref Lvl Offset 12.61 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 36.118 MHz
- Total Power 19.6 dBm
- Transmit Freq Error -58.065 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 40.11 MHz
- x dB -26.00 dB
- Oct 11, 2024 3:25:03 PM

Panel 6 (11N40SISO-Ant2-5270):
- Center Freq: 5.270000000 GHz
- Mkr1 5.271840000 GHz -0.74 dBm
- Ref Lvl Offset 12.61 dB, Ref Value 20.00 dBm
- Occupied Bandwidth 36.016 MHz
- Total Power 15.3 dBm
- Transmit Freq Error -55.719 kHz
- % of OBW Power 99.00 %
- x dB Bandwidth 41.09 MHz
- x dB -26.00 dB
- Oct 12, 2024 8:17:26 AM