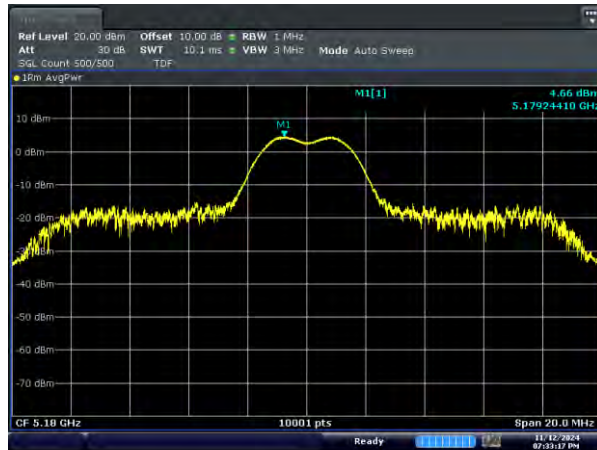
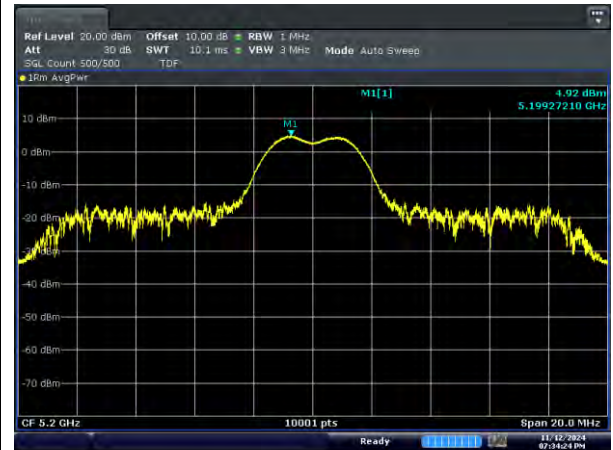


Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT1)

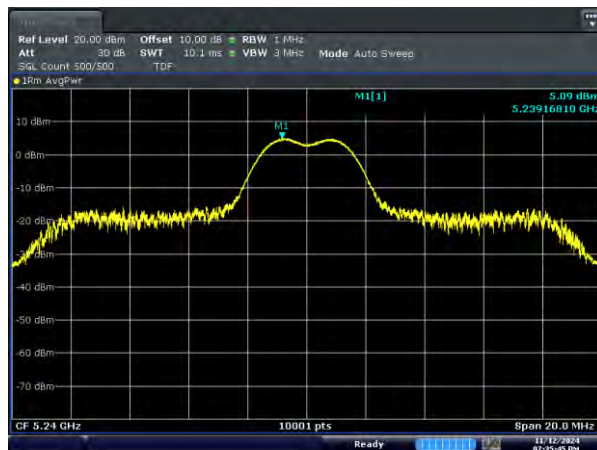
5180MHz



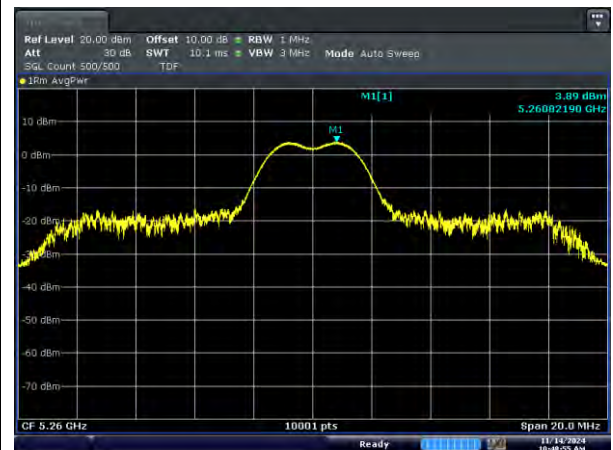
5200MHz



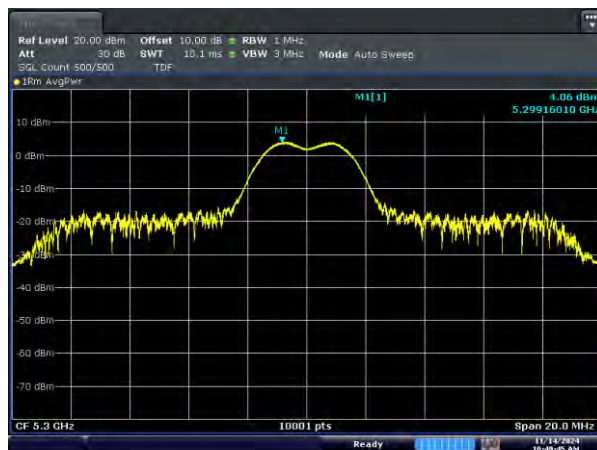
5240MHz



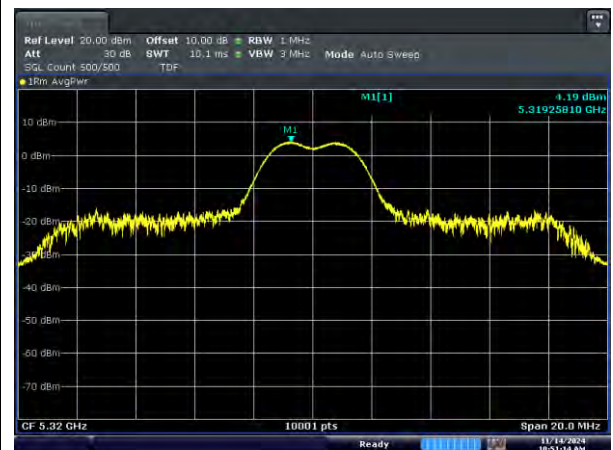
5260MHz



5300MHz



5320MHz



Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT1)

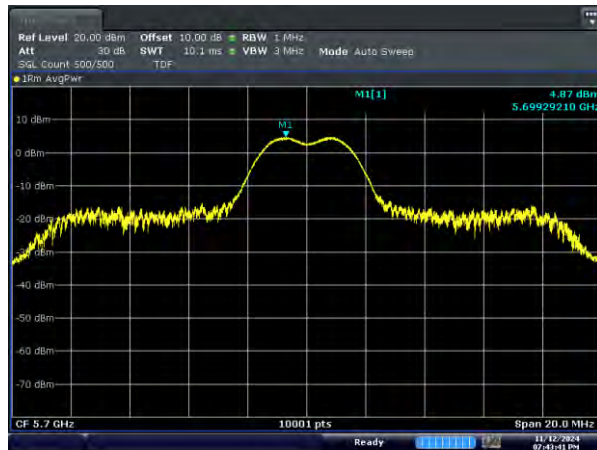
5500MHz



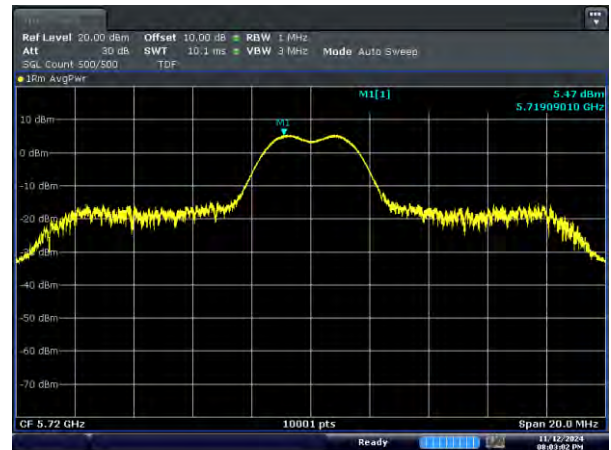
5580MHz



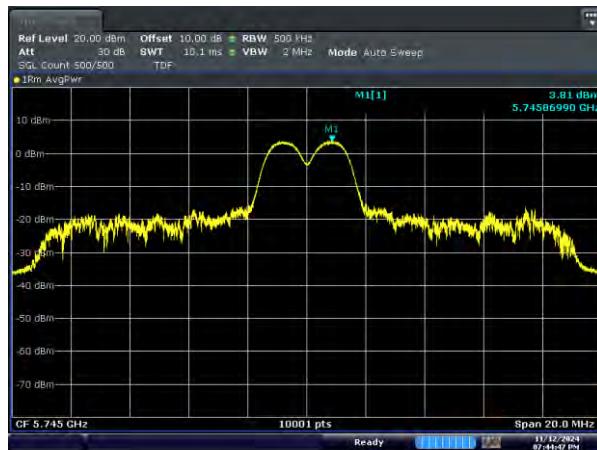
5700MHz



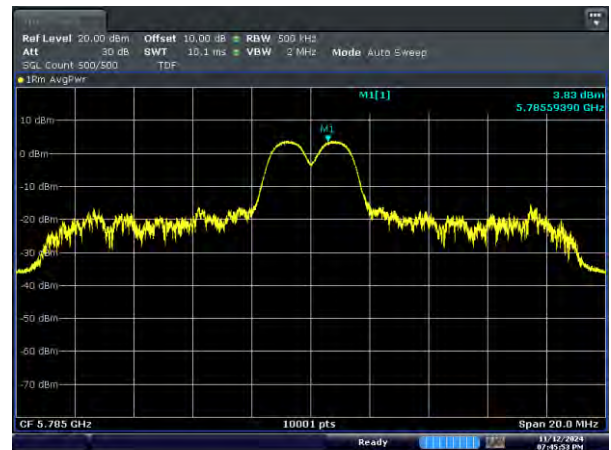
5720MHz



5745MHz

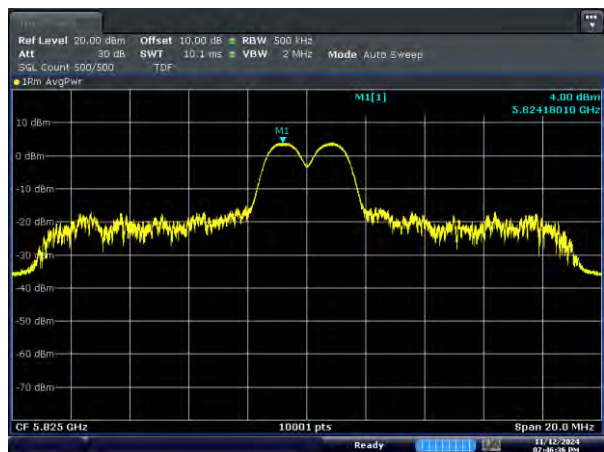


5785MHz



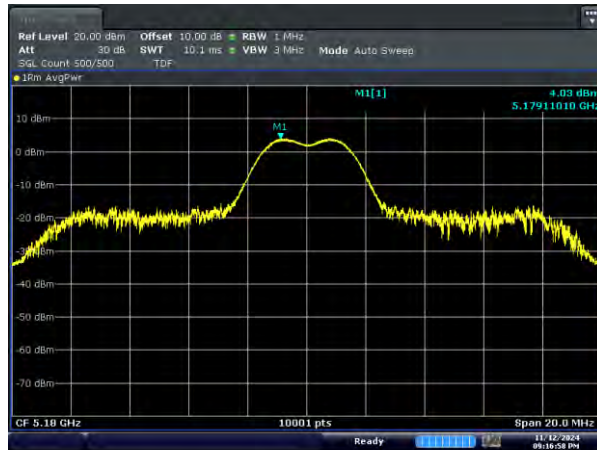
Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT1)

5825MHz



Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT2)

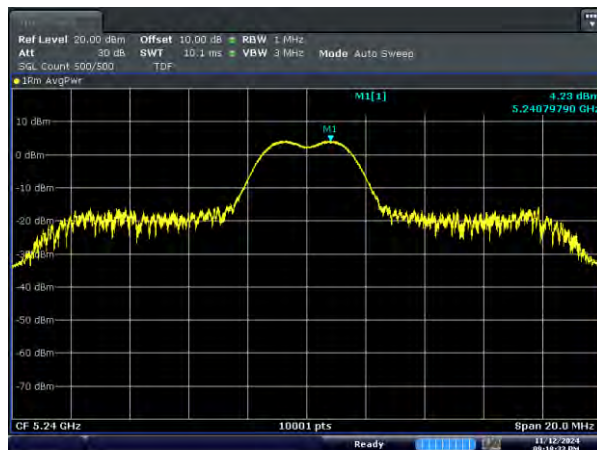
5180MHz



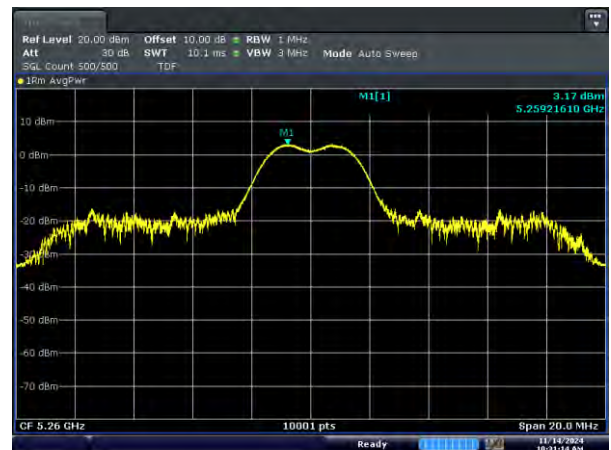
5200MHz



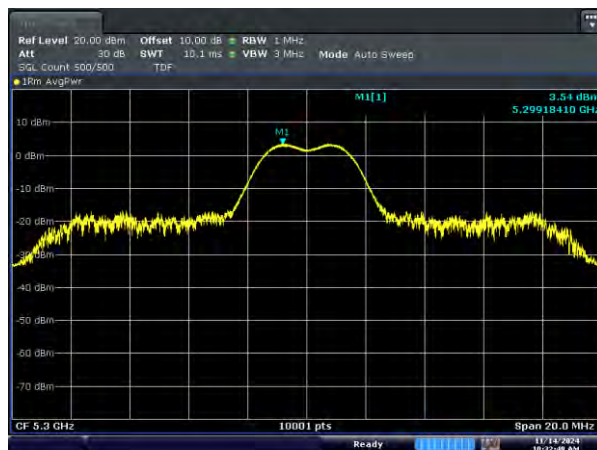
5240MHz



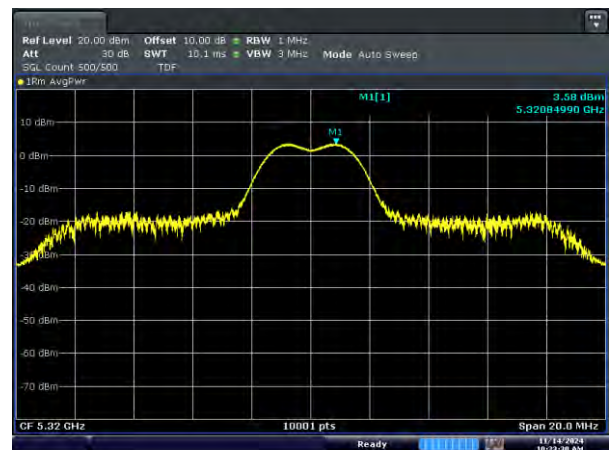
5260MHz



5300MHz

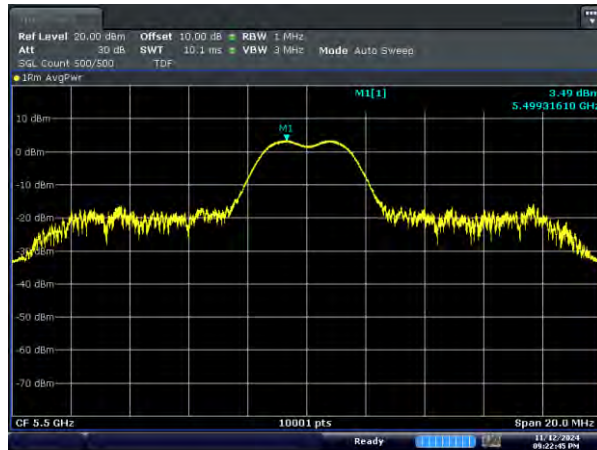


5320MHz



Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT2)

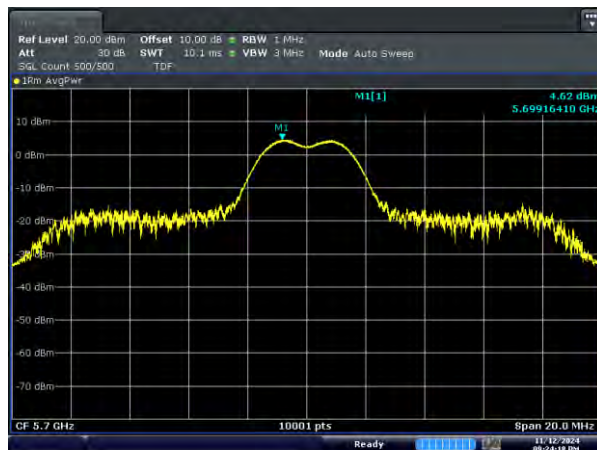
5500MHz



5580MHz



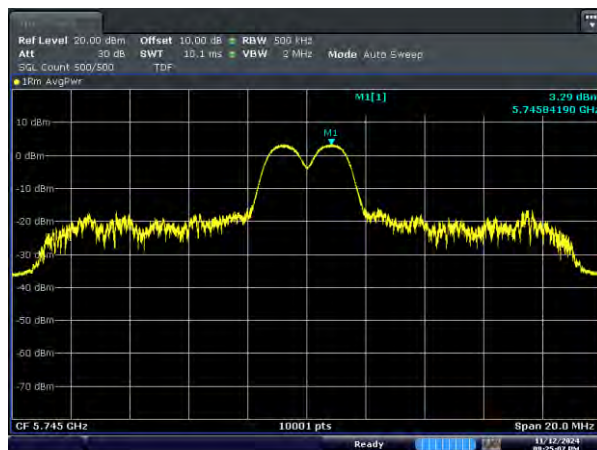
5700MHz



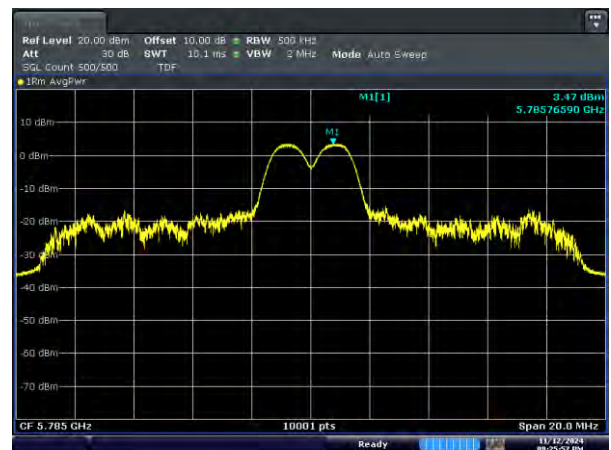
5720MHz



5745MHz

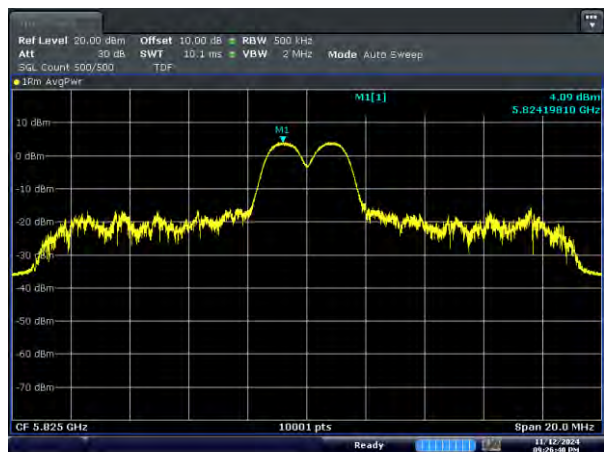


5785MHz



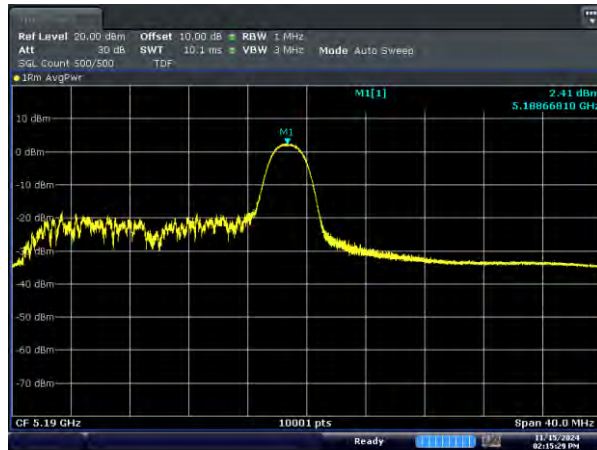
Test mode : 802.11ax(HE20)_OFDMA / MIMO(ANT2)

5825MHz



Test mode : 802.11ax(HE40) OFDMA / SISO(ANT1)

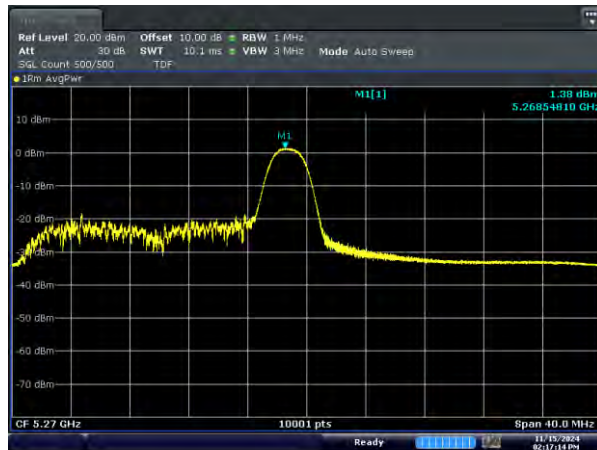
5190MHz



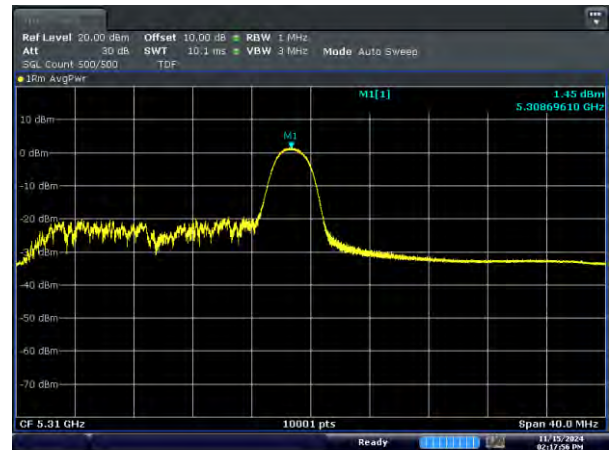
5230MHz



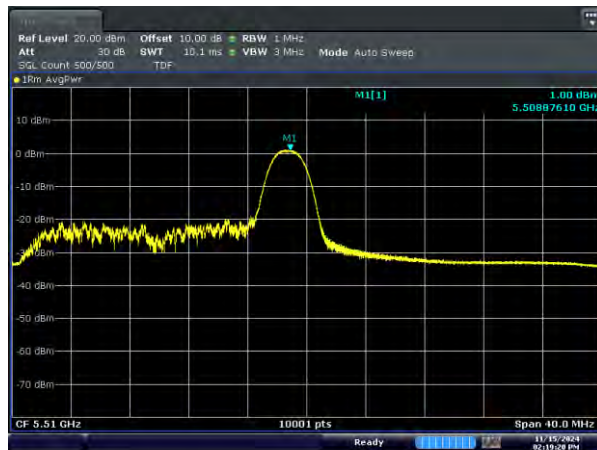
5270MHz



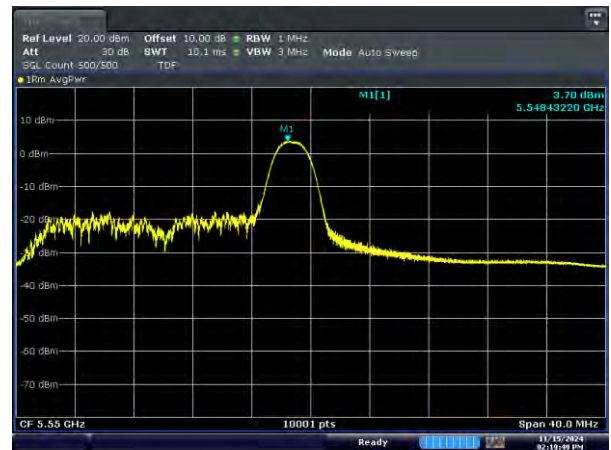
5310MHz



5510MHz

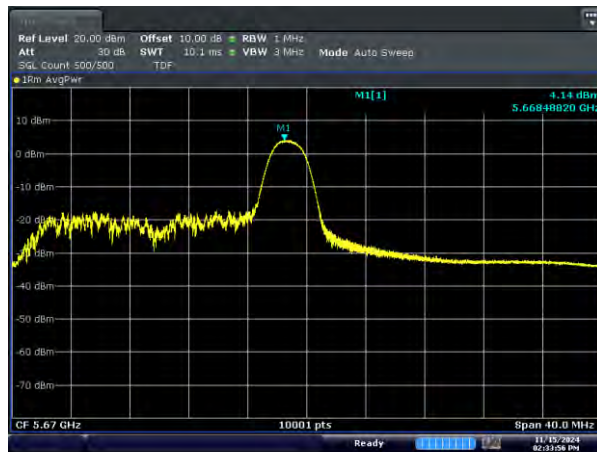


5550MHz

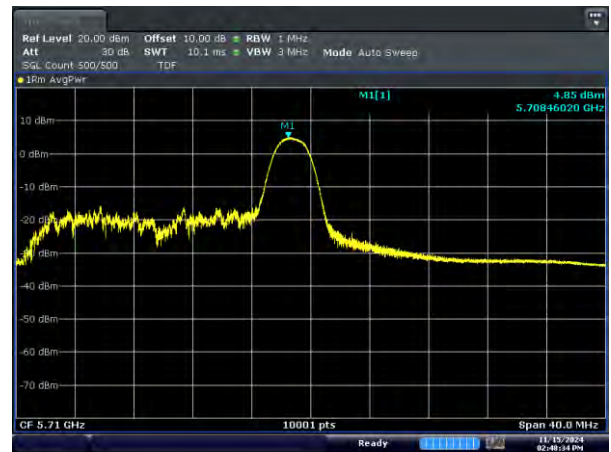


Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT1)

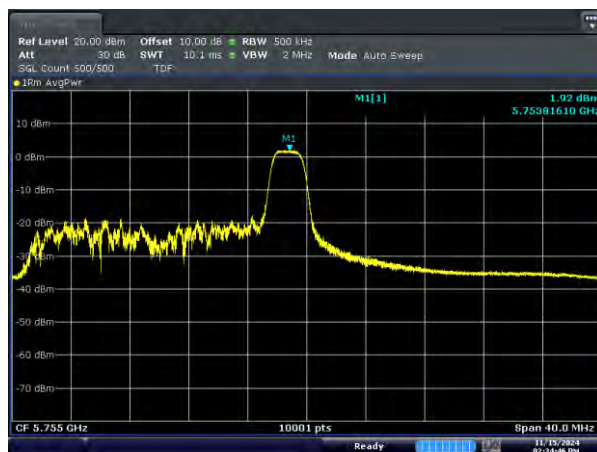
5670MHz



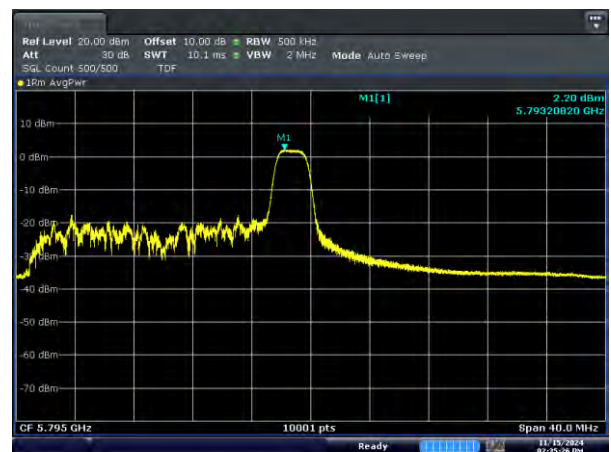
5710MHz



5755MHz

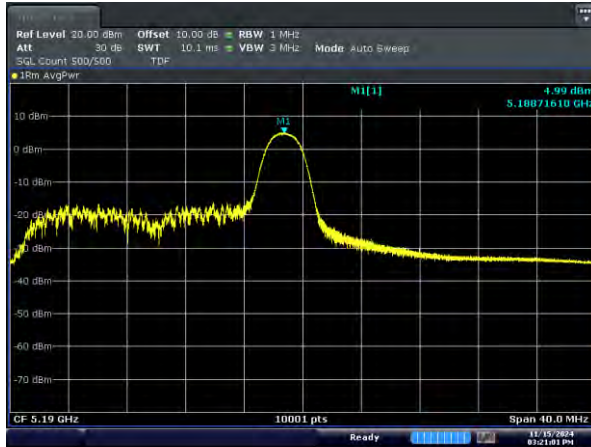


5795MHz

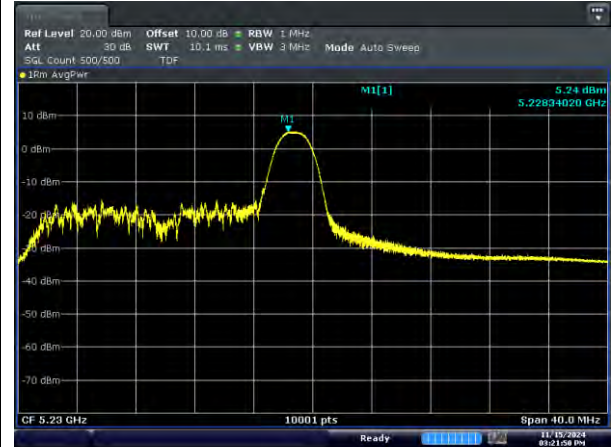


Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT2)

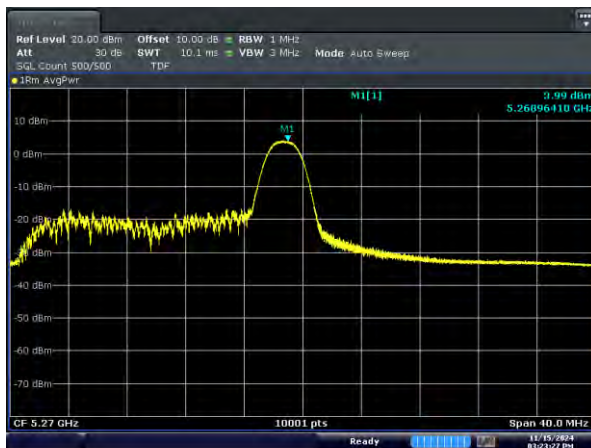
5190MHz



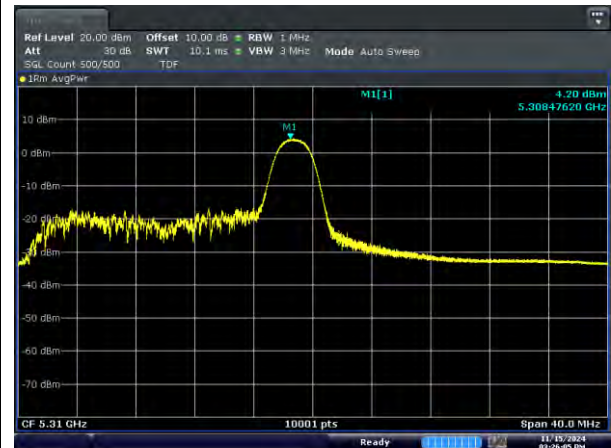
5230MHz



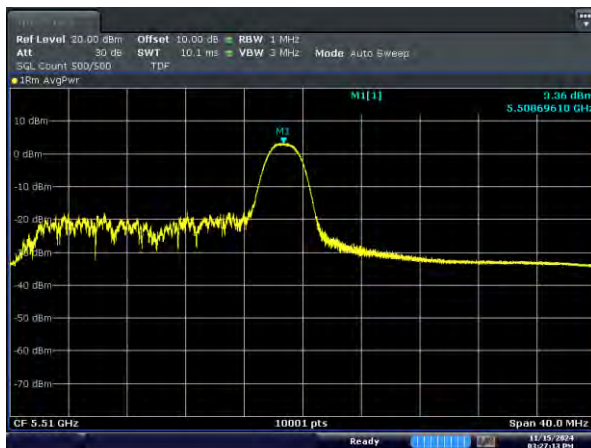
5270MHz



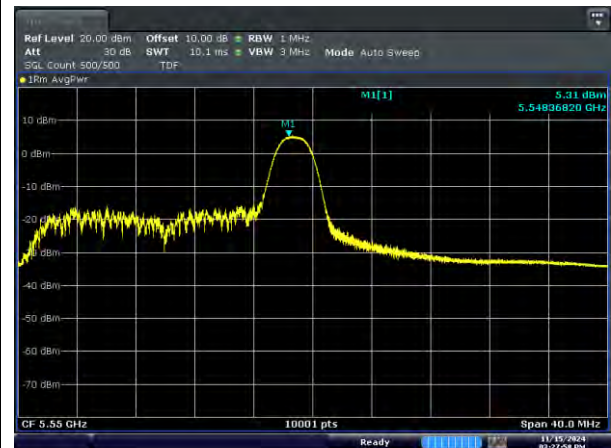
5310MHz



5510MHz

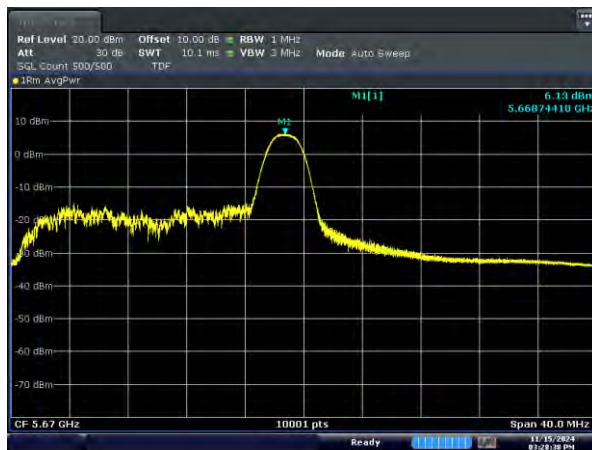


5550MHz

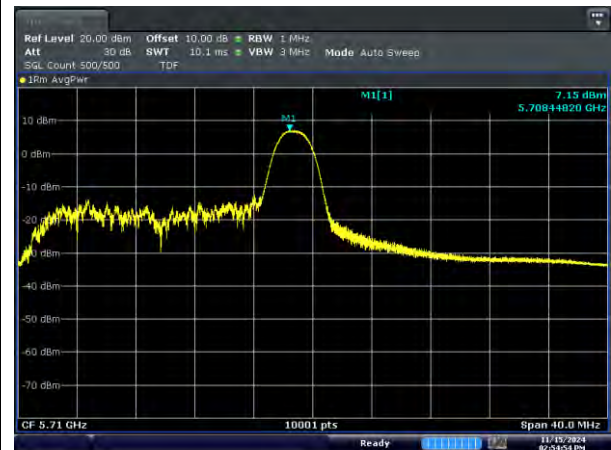


Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT2)

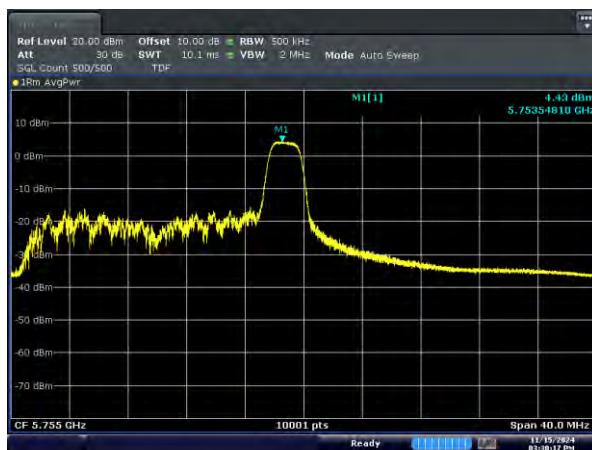
5670MHz



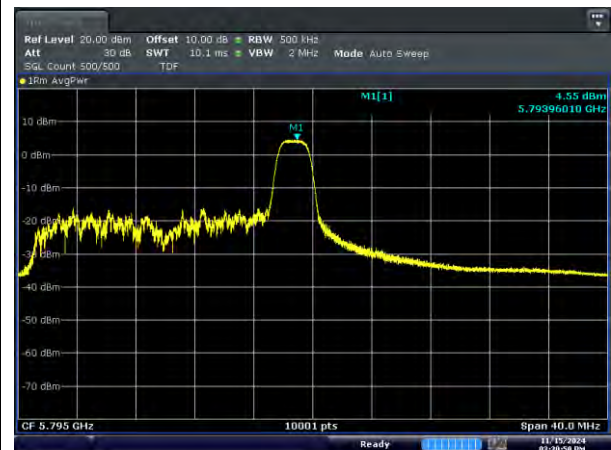
5710MHz



5755MHz

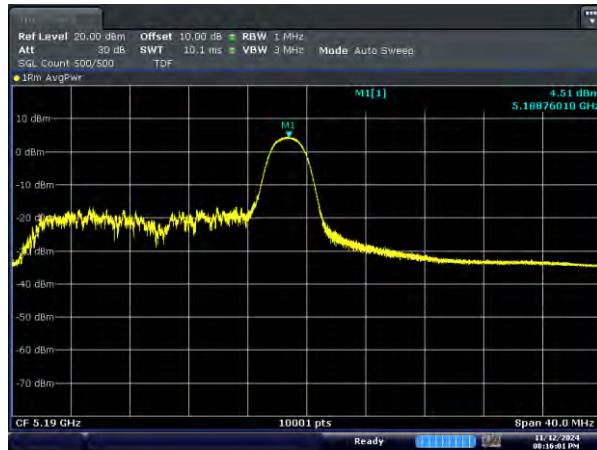


5795MHz

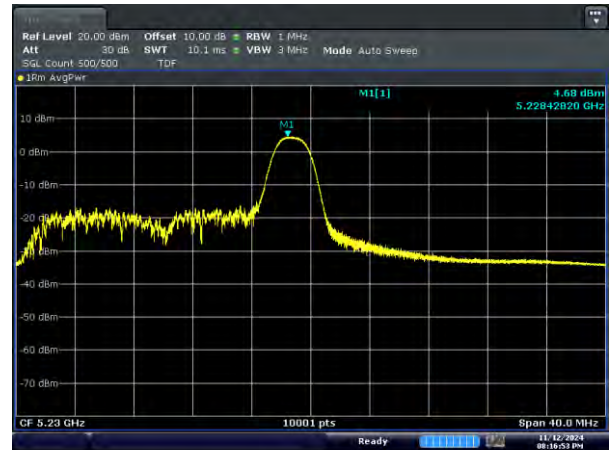


Test mode : 802.11ax(HE40) OFDMA / MIMO(ANT1)

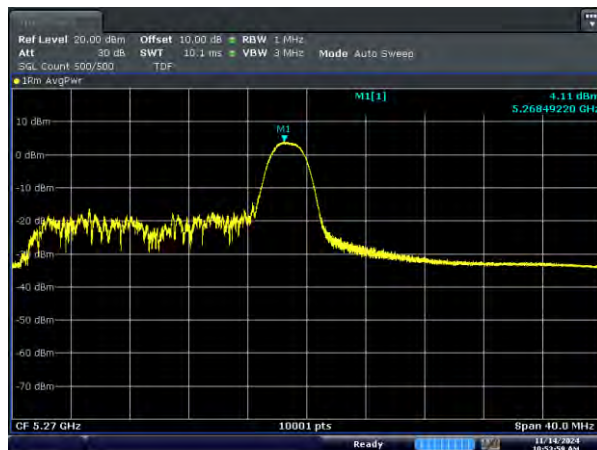
5190MHz



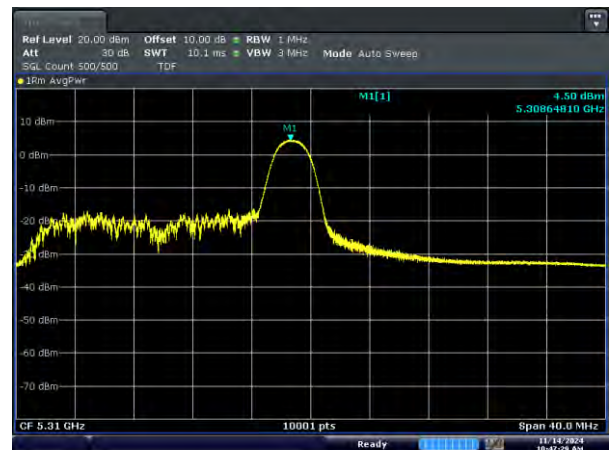
5230MHz



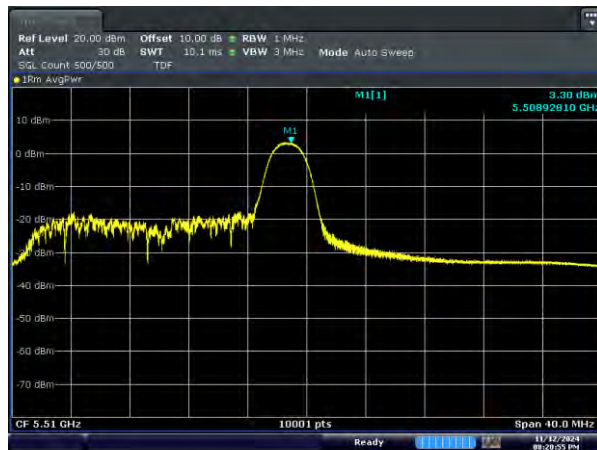
5270MHz



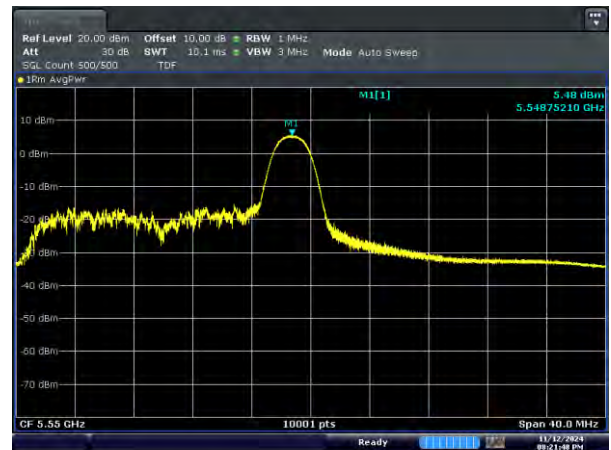
5310MHz



5510MHz

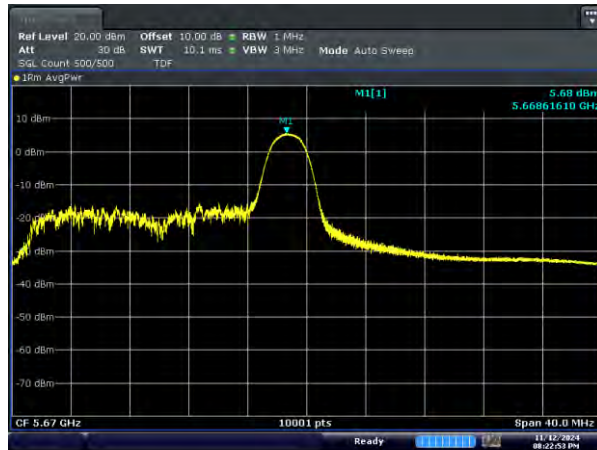


5550MHz

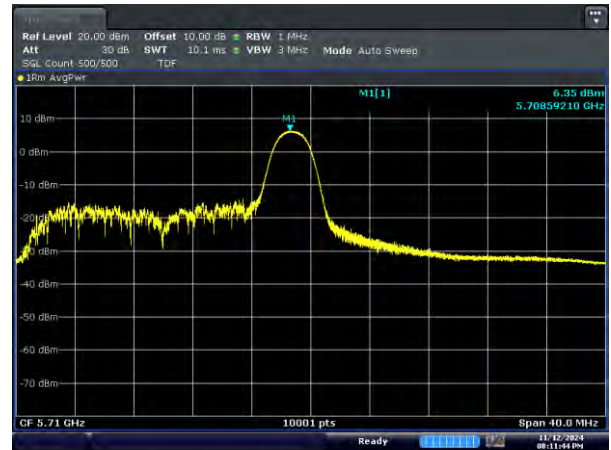


Test mode : 802.11ax(HE40)_OFDMA / MIMO(ANT1)

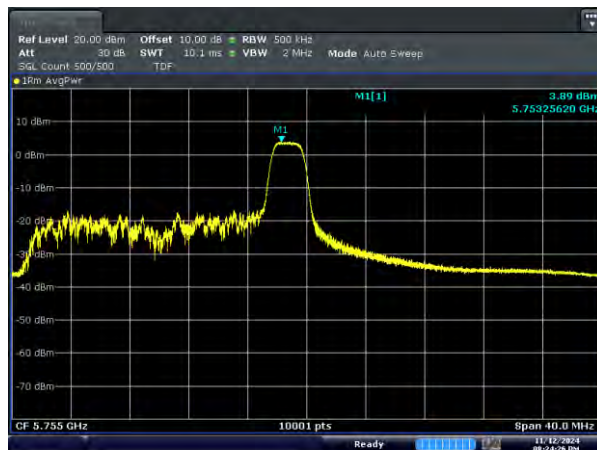
5670MHz



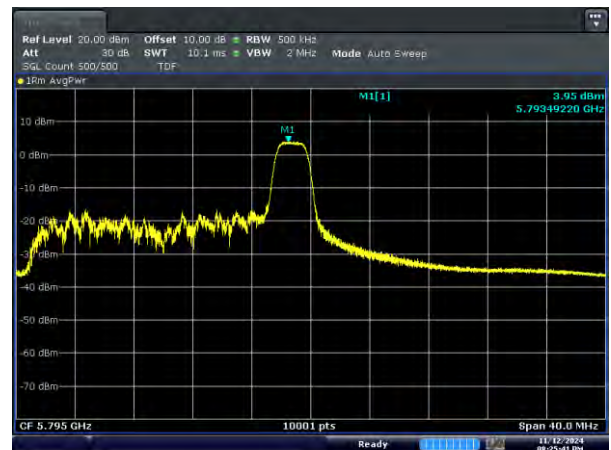
5710MHz



5755MHz

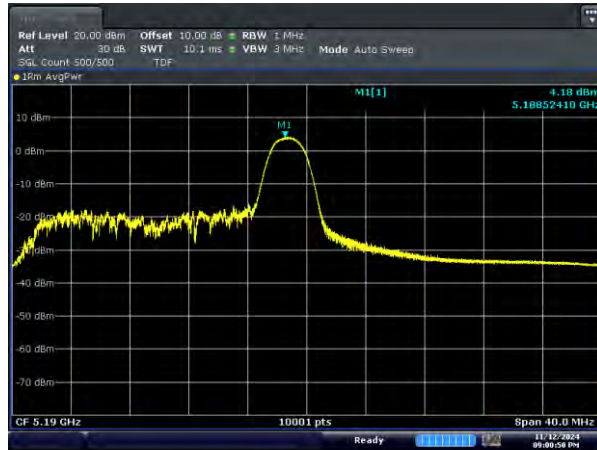


5795MHz

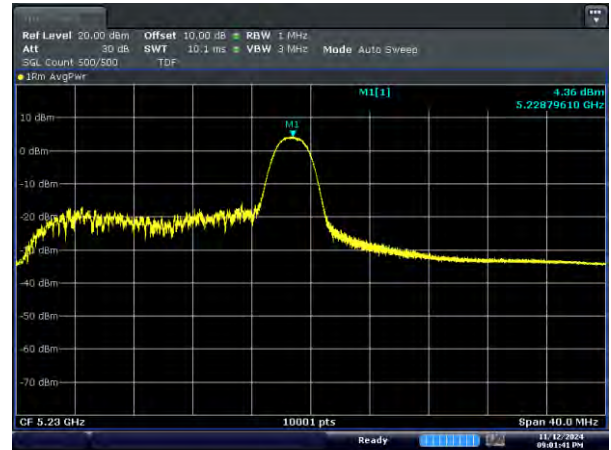


Test mode : 802.11ax(HE40)_OFDMA / MIMO(ANT2)

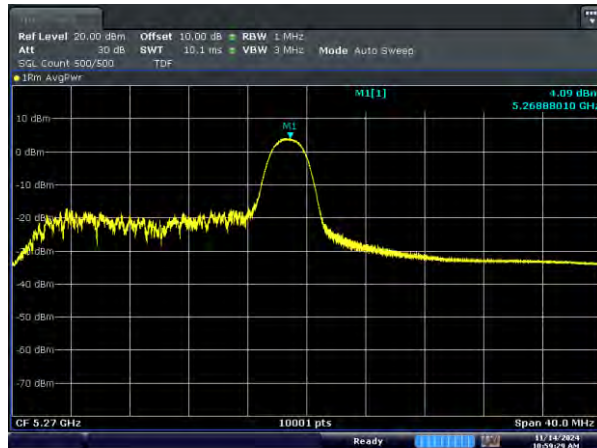
5190MHz



5230MHz



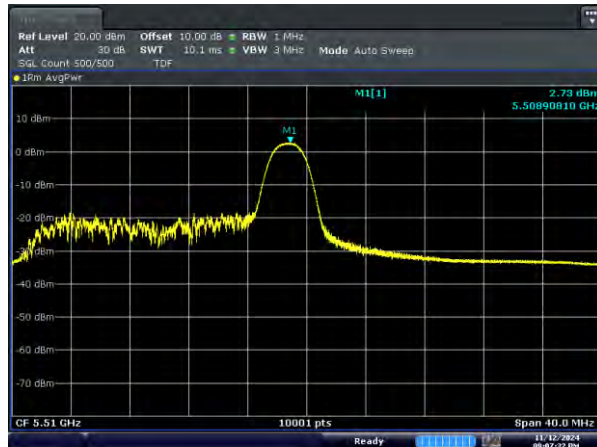
5270MHz



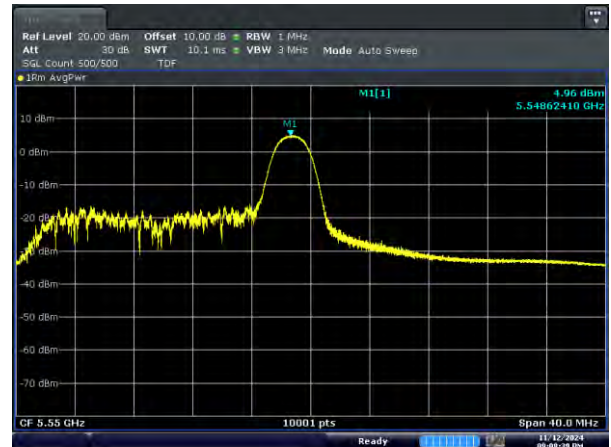
5310MHz



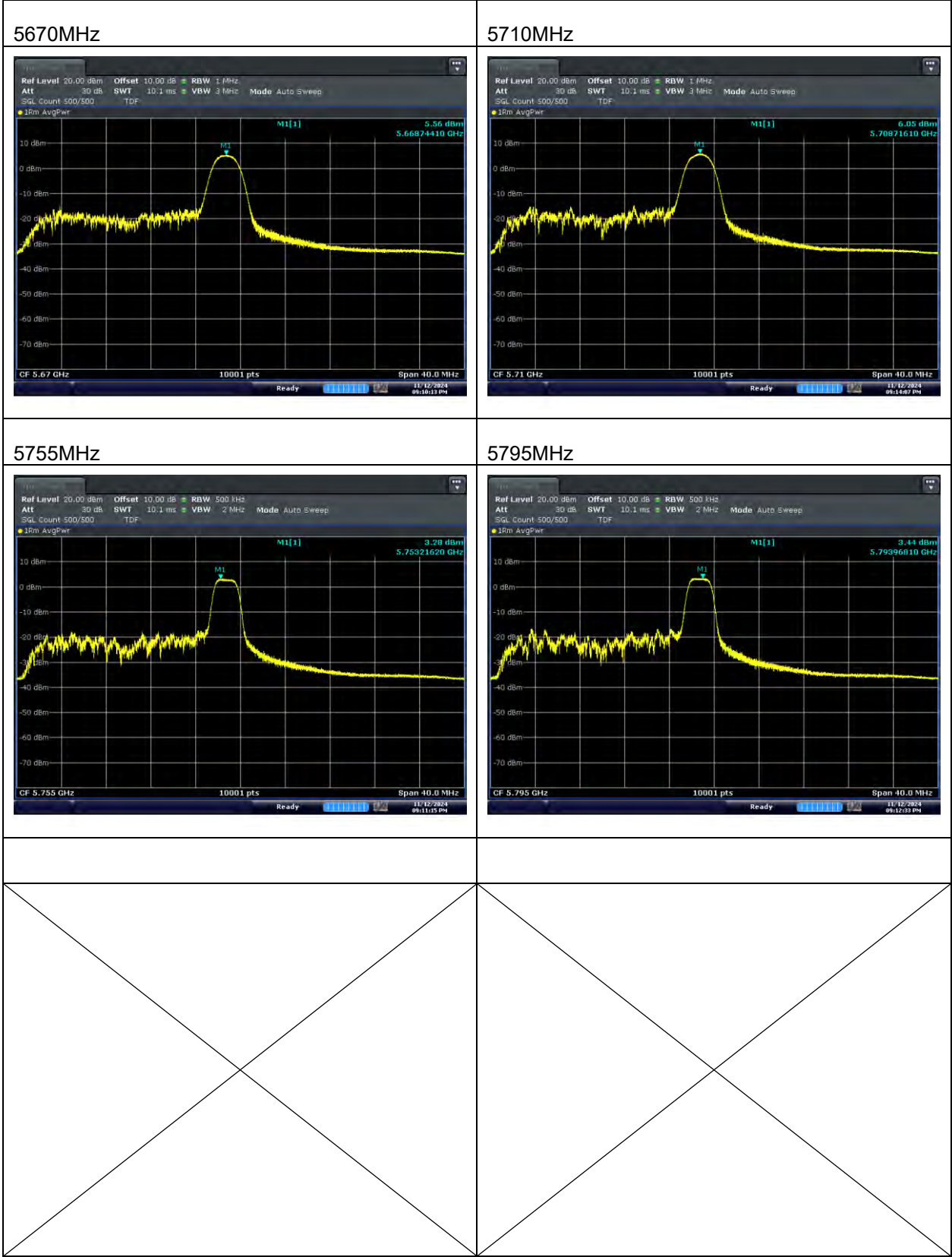
5510MHz



5550MHz

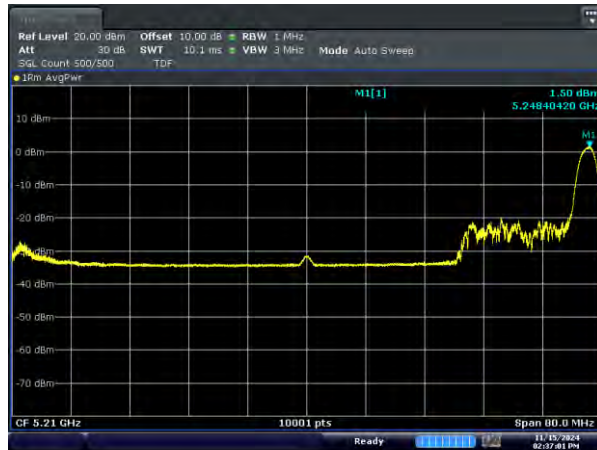


Test mode : 802.11ax(HE40)_OFDMA / MIMO(ANT2)



Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT1)

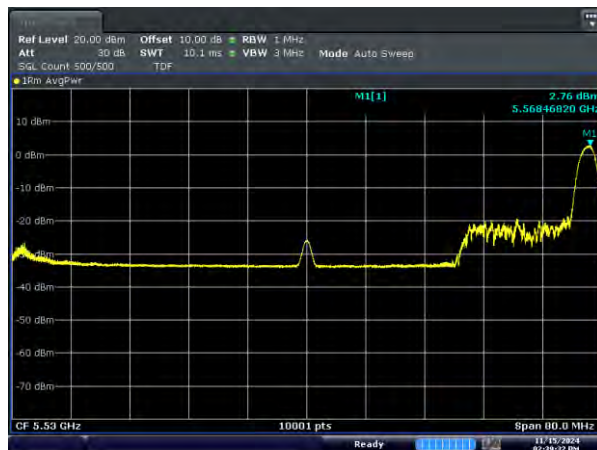
5210MHz



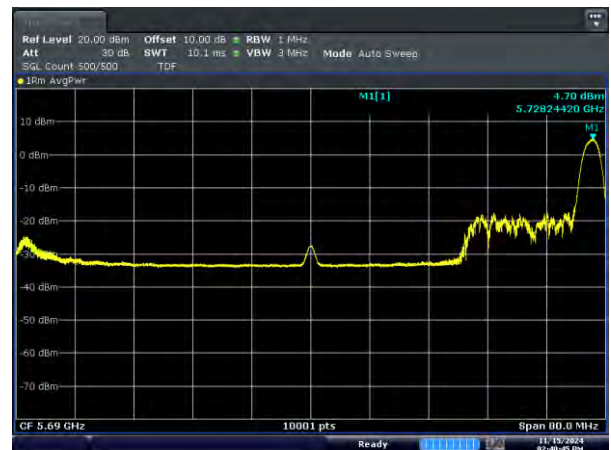
5290MHz



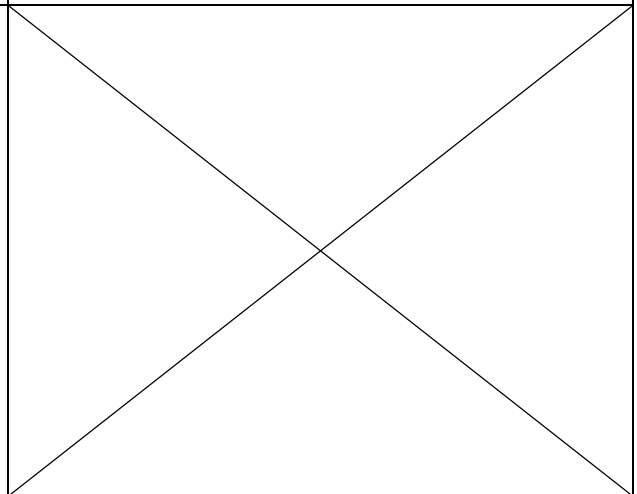
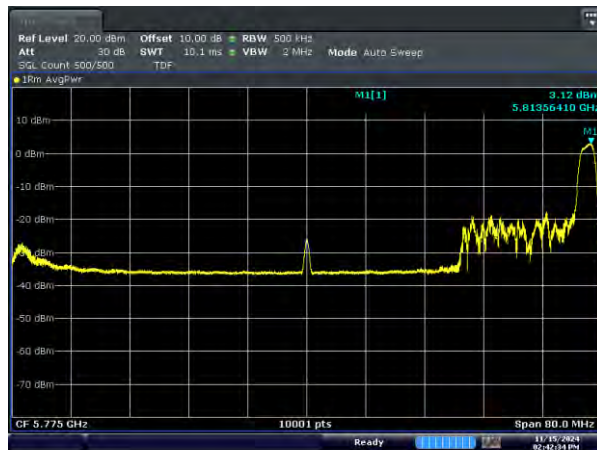
5530MHz



5690MHz

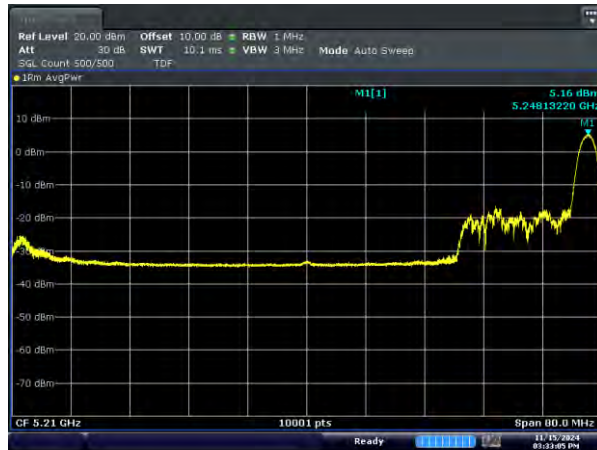


5775MHz

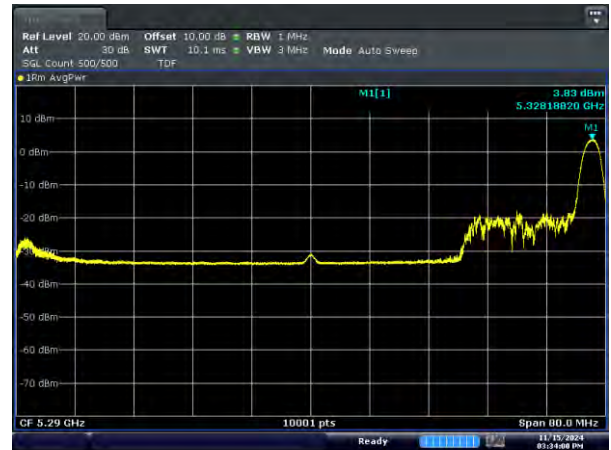


Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT2)

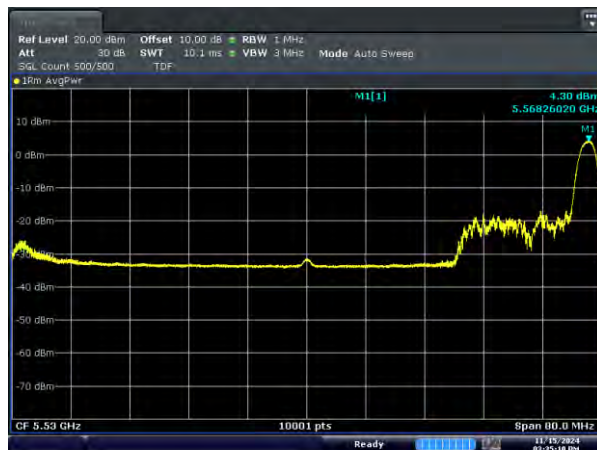
5210MHz



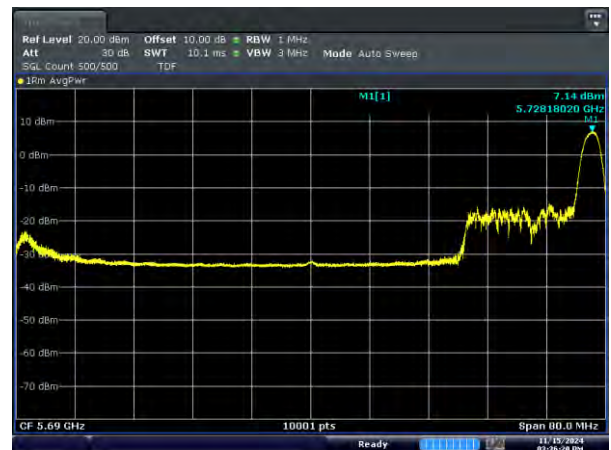
5290MHz



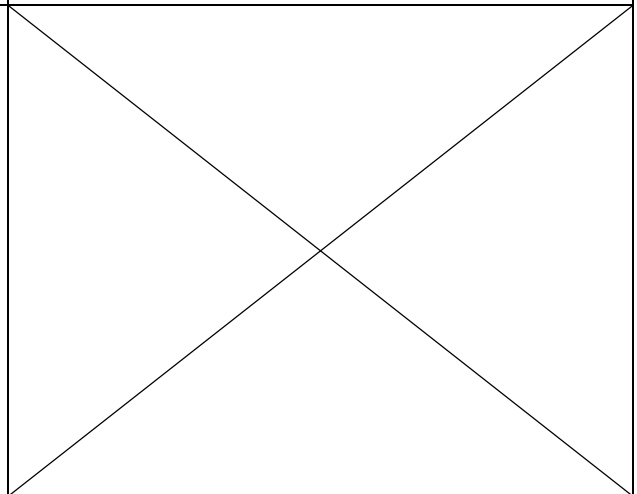
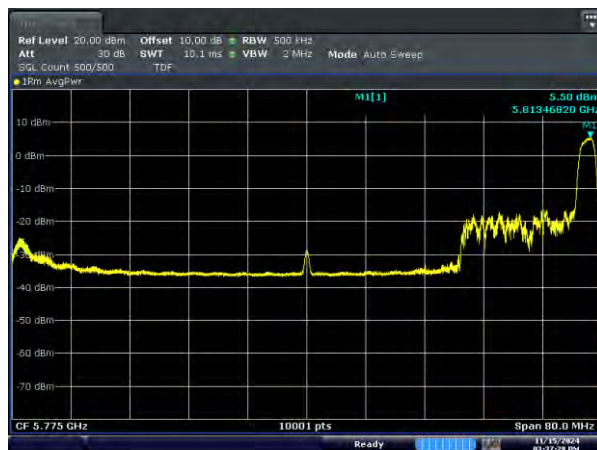
5530MHz



5690MHz

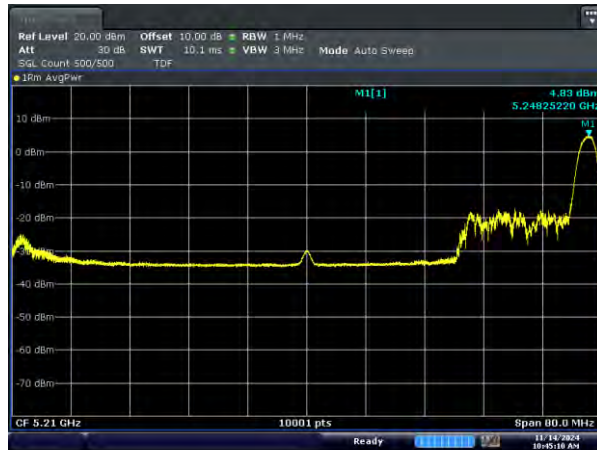


5775MHz

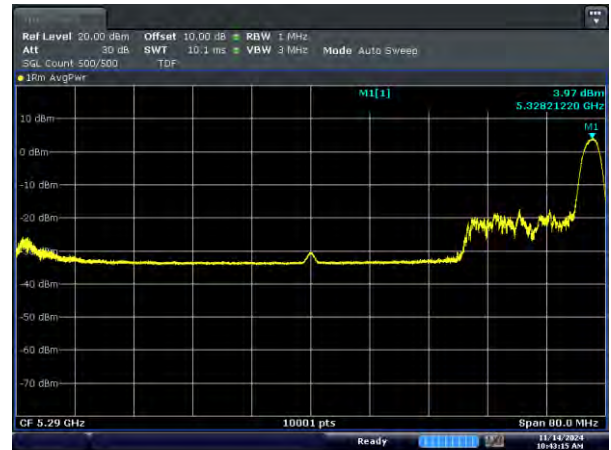


Test mode : 802.11ax(HE80)_OFDMA / MIMO(ANT1)

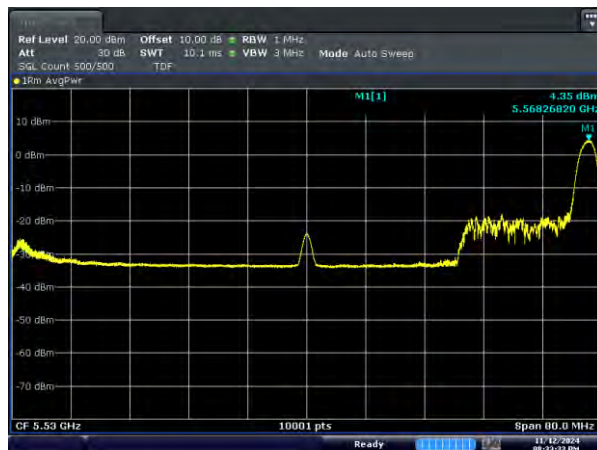
5210MHz



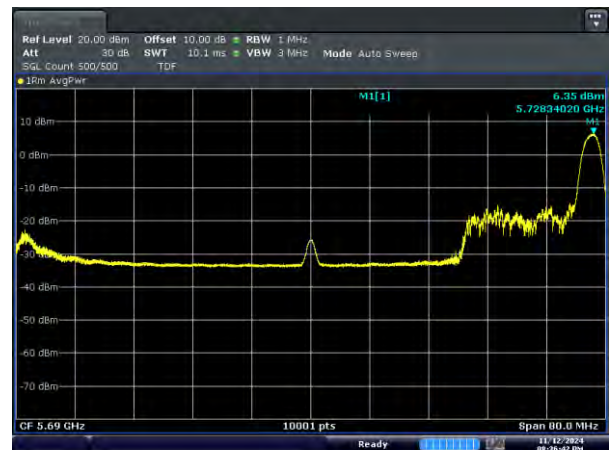
5290MHz



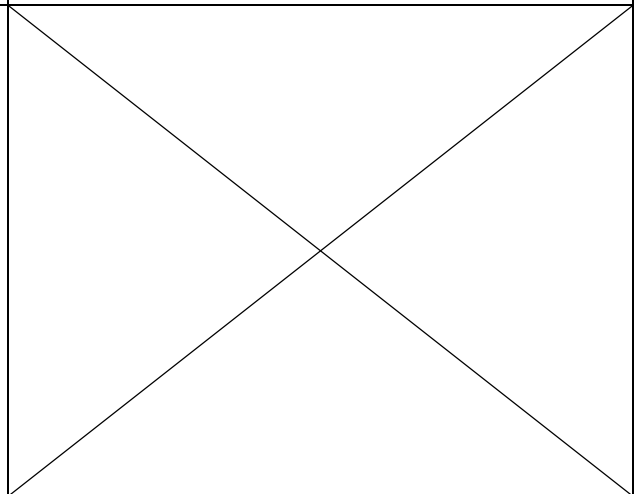
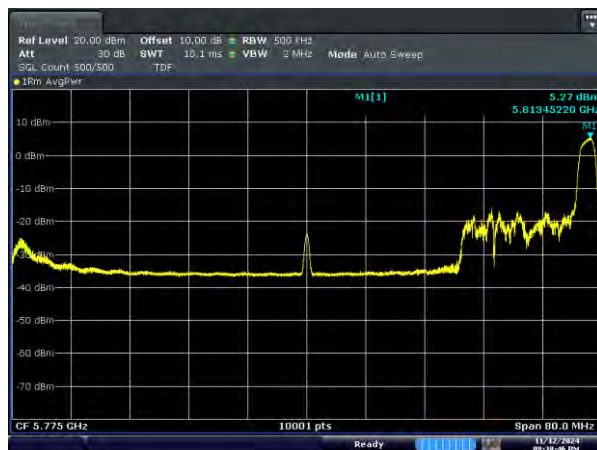
5530MHz



5690MHz



5775MHz



Test mode : 802.11ax(HE80)_OFDMA / MIMO(ANT2)

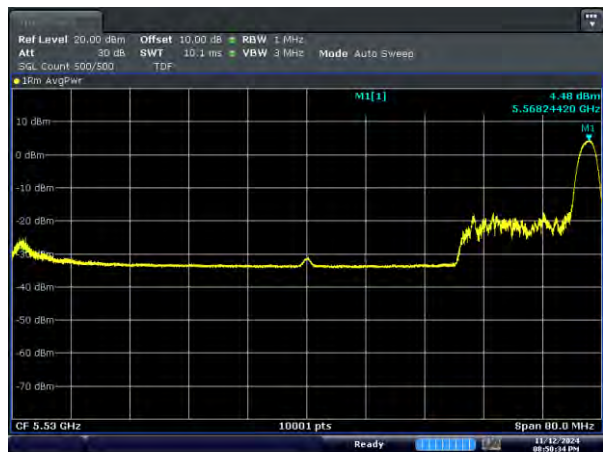
5210MHz



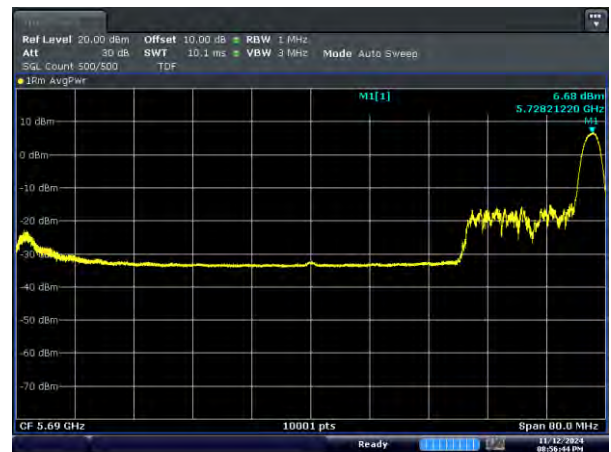
5290MHz



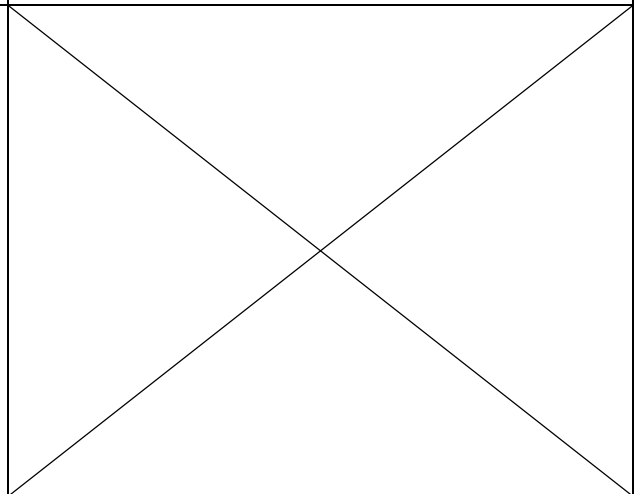
5530MHz



5690MHz



5775MHz



4.3.4 Emission Bandwidth

4.3.4.1 Regulation

According to §15.407(i) Emission bandwidth. For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

According to §15.407(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

According to §RSS-GEN 6.7 The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the “x dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

4.3.4.2 Measurement Procedure

These test measurement settings are specified in section C of 789033 D02 General UNII Test Procedures.

4.3.4.2.1 Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.3.4.2.2 Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 > \text{RBW}$.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

4.3.4.3 Result

Comply (measurement data : refer to the next page)

4.3.4.4 Emission Bandwidth Measurement data

Test mode : 802.11a / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.05	19.68	19.75
5250 ~ 5350	19.85	19.79	19.89
5470 ~ 5725	19.50	19.45	19.55
5720(Straddle)	19.79	-	-
5725 ~ 5850	16.35	16.34	16.33

Test mode : 802.11a / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	19.77	20.33	19.82
5250 ~ 5350	19.49	19.71	19.52
5470 ~ 5725	19.35	19.59	19.35
5720(Straddle)	19.55	-	-
5725 ~ 5850	16.33	16.34	16.33

Test mode : 802.11n(HT20) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.13	20.61	20.59
5250 ~ 5350	20.03	20.17	20.18
5470 ~ 5725	20.04	19.99	20.08
5720(Straddle)	20.35	-	-
5725 ~ 5850	17.07	17.29	17.29

Test mode : 802.11n(HT20) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.02	20.37	20.31
5250 ~ 5350	20.29	20.33	20.03
5470 ~ 5725	20.21	19.92	20.07
5720(Straddle)	20.11	-	-
5725 ~ 5850	17.28	17.04	17.06

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11n(HT20) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.29	20.05	20.13
5250 ~ 5350	20.38	19.96	20.20
5470 ~ 5725	20.05	20.22	20.25
5720(Straddle)	20.03	-	-
5725 ~ 5850	17.55	17.55	17.55

Test mode : 802.11n(HT40) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.35	40.49	-
5250 ~ 5350	40.22	40.32	-
5470 ~ 5725	40.00	40.32	40.32
5710(Straddle)	40.22	-	-
5725 ~ 5850	35.80	35.47	-

Test mode : 802.11n(HT40) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.76	40.21	-
5250 ~ 5350	40.37	40.43	-
5470 ~ 5725	40.46	40.64	40.66
5710(Straddle)	40.62	-	-
5725 ~ 5850	35.34	35.76	-

Test mode : 802.11n(HT40) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	39.90	39.95	-
5250 ~ 5350	39.71	40.16	-
5470 ~ 5725	39.75	39.85	39.72
5710(Straddle)	39.73	-	-
5725 ~ 5850	35.13	35.14	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ac(VHT20) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.17	20.20	20.33
5250 ~ 5350	20.06	20.16	20.28
5470 ~ 5725	19.89	20.12	20.19
5720(Straddle)	20.08	-	-
5725 ~ 5850	17.27	17.02	16.92

Test mode : 802.11ac(VHT20) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.23	20.41	20.45
5250 ~ 5350	20.15	20.12	20.16
5470 ~ 5725	20.02	20.04	20.11
5720(Straddle)	19.97	-	-
5725 ~ 5850	17.07	17.28	17.30

Test mode : 802.11ac(VHT20) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	19.95	20.04	20.45
5250 ~ 5350	19.91	20.14	20.01
5470 ~ 5725	20.10	20.00	20.25
5720(Straddle)	20.28	-	-
5725 ~ 5850	17.55	17.56	17.55

Test mode : 802.11ac(VHT40) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	41.64	40.56	-
5250 ~ 5350	40.72	40.23	-
5470 ~ 5725	40.55	40.24	40.32
5710(Straddle)	40.39	-	-
5725 ~ 5850	35.65	35.53	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ac(VHT40) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.15	40.28	-
5250 ~ 5350	40.15	40.56	-
5470 ~ 5725	40.72	40.30	39.93
5710(Straddle)	40.24	-	-
5725 ~ 5850	35.52	35.67	-

Test mode : 802.11ac(VHT40) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.22	39.98	-
5250 ~ 5350	40.04	40.04	-
5470 ~ 5725	39.94	40.13	40.55
5710(Straddle)	40.75	-	-
5725 ~ 5850	35.14	35.13	-

Test mode : 802.11ac(VHT80) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	81.88	-	-
5250 ~ 5350	81.59	-	-
5470 ~ 5725	81.78	81.66	-
5725 ~ 5850	76.34	-	-

Test mode : 802.11ac(VHT80) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	81.35	-	-
5250 ~ 5350	81.54	-	-
5470 ~ 5725	81.83	81.64	-
5725 ~ 5850	76.34	-	-

Test mode : 802.11ac(VHT80) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	81.58	-	-
5250 ~ 5350	81.82	-	-
5470 ~ 5725	81.75	81.51	-
5725 ~ 5850	76.17	-	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ax(HE20)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.55	20.54	20.49
5250 ~ 5350	20.48	20.29	20.60
5470 ~ 5725	20.42	20.73	20.18
5720(Straddle)	20.38	-	-
5725 ~ 5850	17.79	17.79	17.91

Test mode : 802.11ax(HE20)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.42	20.46	20.78
5250 ~ 5350	20.38	20.35	20.49
5470 ~ 5725	20.27	20.59	20.37
5720(Straddle)	20.54	-	-
5725 ~ 5850	18.31	18.27	17.85

Test mode : 802.11ax(HE20)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.47	20.26	20.35
5250 ~ 5350	20.21	20.26	20.29
5470 ~ 5725	20.27	20.31	20.53
5720(Straddle)	20.58	-	-
5725 ~ 5850	18.12	18.50	17.95

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

NOTE2 : Measured on antenna 1.
Measured the worst case. * Refer to 3.4

Test mode : 802.11ax(HE40)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.11	40.52	-
5250 ~ 5350	40.44	40.17	-
5470 ~ 5725	39.85	40.00	40.39
5710(Straddle)	39.65	-	-
5725 ~ 5850	36.40	36.15	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ax(HE40)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.08	40.22	-
5250 ~ 5350	40.53	40.07	-
5470 ~ 5725	40.40	40.17	39.90
5710(Straddle)	40.28	-	-
5725 ~ 5850	36.79	36.69	-

Test mode : 802.11ax(HE40)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.27	39.91	-
5250 ~ 5350	40.44	40.37	-
5470 ~ 5725	40.36	40.21	40.32
5710(Straddle)	40.07	-	-
5725 ~ 5850	35.97	36.54	-

Test mode : 802.11ax(HE80)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.46	-	-
5250 ~ 5350	80.84	-	-
5470 ~ 5725	80.58	80.52	-
5725 ~ 5850	77.86	-	-

Test mode : 802.11ax(HE80)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.39	-	-
5250 ~ 5350	80.34	-	-
5470 ~ 5725	80.66	80.65	-
5725 ~ 5850	78.02	-	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ax(HE80)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.54	-	-
5250 ~ 5350	80.89	-	-
5470 ~ 5725	80.47	80.31	-
5725 ~ 5850	77.88	-	-

Test mode : 802.11ax(HE20)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.21	20.22	20.25
5250 ~ 5350	20.25	20.22	20.38
5470 ~ 5725	20.39	20.35	20.45
5720(Straddle)	20.22	-	-
5725 ~ 5850	18.31	18.48	18.58

Test mode : 802.11ax(HE20)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.31	20.33	20.31
5250 ~ 5350	20.18	20.22	20.50
5470 ~ 5725	20.34	20.36	20.28
5720(Straddle)	20.35	-	-
5725 ~ 5850	18.07	17.71	18.16

Test mode : 802.11ax(HE20)_OFDMA / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	20.09	20.38	20.23
5250 ~ 5350	20.43	20.39	20.56
5470 ~ 5725	20.39	20.56	20.37
5720(Straddle)	20.25	-	-
5725 ~ 5850	18.34	18.06	18.17

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.22	40.36	-
5250 ~ 5350	40.10	40.64	-
5470 ~ 5725	40.44	40.23	40.39
5710(Straddle)	40.33	-	-
5725 ~ 5850	37.68	36.92	-

Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	40.24	40.96	-
5250 ~ 5350	40.39	40.39	-
5470 ~ 5725	39.99	40.10	40.60
5710(Straddle)	40.29	-	-
5725 ~ 5850	36.68	36.45	-

Test mode : 802.11ax(HE40)_OFDMA / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	41.87	40.24	-
5250 ~ 5350	39.98	40.16	-
5470 ~ 5725	40.15	40.01	40.28
5710(Straddle)	40.15	-	-
5725 ~ 5850	36.22	36.99	-

Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.47	-	-
5250 ~ 5350	80.18	-	-
5470 ~ 5725	80.47	80.71	-
5725 ~ 5850	78.09	-	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.46	-	-
5250 ~ 5350	80.52	-	-
5470 ~ 5725	80.71	80.58	-
5725 ~ 5850	77.82	-	-

Test mode : 802.11ax(HE80)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	80.63	-	-
5250 ~ 5350	80.49	-	-
5470 ~ 5725	80.78	80.46	-
5725 ~ 5850	77.93	-	-

NOTE1 : 5 725 ~ 5 825 Band Limit : >500kHz

4.3.4.5 99% Occupied bandwidth Measurement data

Test mode : 802.11a / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	16.63	16.55	16.57
5250 ~ 5350	16.51	16.55	16.57
5470 ~ 5725	16.53	16.54	16.58
5720(Straddle)	16.55	-	-
5725 ~ 5850	16.51	16.55	16.58

Test mode : 802.11a / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	16.67	16.62	16.64
5250 ~ 5350	16.67	16.61	16.53
5470 ~ 5725	16.47	16.60	16.61
5720(Straddle)	16.51	-	-
5725 ~ 5850	16.57	16.58	16.69

Test mode : 802.11n(HT20) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.58	17.62	17.58
5250 ~ 5350	17.56	17.62	17.59
5470 ~ 5725	17.58	17.62	17.61
5720(Straddle)	17.58	-	-
5725 ~ 5850	17.58	17.59	17.56

Test mode : 802.11n(HT20) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.59	17.63	17.64
5250 ~ 5350	17.57	17.62	17.58
5470 ~ 5725	17.54	17.58	17.60
5720(Straddle)	17.57	-	-
5725 ~ 5850	17.61	17.57	17.61

Test mode : 802.11n(HT20) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.62	17.63	17.61
5250 ~ 5350	17.66	17.62	17.61
5470 ~ 5725	17.64	17.59	17.62
5720(Straddle)	17.61	-	-
5725 ~ 5850	17.64	17.64	17.65

Test mode : 802.11n(HT40) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.30	36.08	-
5250 ~ 5350	36.16	36.42	-
5470 ~ 5725	36.16	36.24	36.28
5710(Straddle)	36.21	-	-
5725 ~ 5850	36.15	36.20	-

Test mode : 802.11n(HT40) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.17	36.18	-
5250 ~ 5350	36.14	36.07	-
5470 ~ 5725	36.21	36.16	36.12
5710(Straddle)	36.13	-	-
5725 ~ 5850	36.25	36.25	-

Test mode : 802.11n(HT40) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.13	36.16	-
5250 ~ 5350	36.18	36.12	-
5470 ~ 5725	36.14	36.07	36.12
5710(Straddle)	36.10	-	-
5725 ~ 5850	36.21	36.17	-

Test mode : 802.11ac(VHT20) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.59	17.59	17.64
5250 ~ 5350	17.57	17.63	17.57
5470 ~ 5725	17.59	17.61	17.58
5720(Straddle)	17.59	-	-
5725 ~ 5850	17.61	17.60	17.63

Test mode : 802.11ac(VHT20) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.60	17.60	17.63
5250 ~ 5350	17.57	17.57	17.56
5470 ~ 5725	17.59	17.59	17.57
5720(Straddle)	17.57	-	-
5725 ~ 5850	17.57	17.61	17.67

Test mode : 802.11ac(VHT20) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	17.61	17.61	17.62
5250 ~ 5350	17.58	17.59	17.66
5470 ~ 5725	17.61	17.61	17.61
5720(Straddle)	17.60	-	-
5725 ~ 5850	17.58	17.62	17.62

Test mode : 802.11ac(VHT40) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.04	36.16	-
5250 ~ 5350	36.15	36.16	-
5470 ~ 5725	36.28	36.12	36.26
5710(Straddle)	36.24	-	-
5725 ~ 5850	36.22	36.20	-

Test mode : 802.11ac(VHT40) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.24	36.27	-
5250 ~ 5350	36.08	36.14	-
5470 ~ 5725	36.11	36.12	36.21
5710(Straddle)	36.18	-	-
5725 ~ 5850	36.12	36.21	-

Test mode : 802.11ac(VHT40) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	36.24	36.16	-
5250 ~ 5350	36.24	36.16	-
5470 ~ 5725	36.10	36.16	36.20
5710(Straddle)	36.31	-	-
5725 ~ 5850	36.24	36.12	-

Test mode : 802.11ac(VHT80) / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	75.90	-	-
5250 ~ 5350	76.14	-	-
5470 ~ 5725	75.83	76.09	-
5725 ~ 5850	76.12	-	-

Test mode : 802.11ac(VHT80) / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	76.02	-	-
5250 ~ 5350	75.88	-	-
5470 ~ 5725	76.12	76.25	-
5725 ~ 5850	75.98	-	-

Test mode : 802.11ac(VHT80) / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	76.15	-	-
5250 ~ 5350	75.96	-	-
5470 ~ 5725	76.06	76.28	-
5725 ~ 5850	76.09	-	-

Test mode : 802.11ax(HE20)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.76	18.80	18.78
5250 ~ 5350	18.71	18.76	18.78
5470 ~ 5725	18.77	18.75	18.74
5720(Straddle)	18.78	-	-
5725 ~ 5850	18.74	18.72	18.76

Test mode : 802.11ax(HE20)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.79	18.77	18.77
5250 ~ 5350	18.71	18.77	18.75
5470 ~ 5725	18.77	18.76	18.78
5720(Straddle)	18.73	-	-
5725 ~ 5850	18.78	18.77	18.72

Test mode : 802.11ax(HE20)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.80	18.72	18.78
5250 ~ 5350	18.81	18.77	18.84
5470 ~ 5725	18.85	18.83	18.74
5720(Straddle)	18.75	-	-
5725 ~ 5850	18.85	18.75	18.75

Test mode : 802.11ax(HE40)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.49	37.51	-
5250 ~ 5350	37.57	37.39	-
5470 ~ 5725	37.64	37.80	37.67
5710(Straddle)	37.51	-	-
5725 ~ 5850	37.41	37.44	-

Test mode : 802.11ax(HE40)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.56	37.51	-
5250 ~ 5350	37.59	37.64	-
5470 ~ 5725	37.60	37.52	37.55
5710(Straddle)	37.45	-	-
5725 ~ 5850	37.47	37.50	-

Test mode : 802.11ax(HE40)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.56	37.49	-
5250 ~ 5350	37.35	37.64	-
5470 ~ 5725	37.44	37.44	37.44
5710(Straddle)	37.49	-	-
5725 ~ 5850	37.46	37.54	-

Test mode : 802.11ax(HE80)_OFDM / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.48	-	-
5250 ~ 5350	77.83	-	-
5470 ~ 5725	77.48	77.58	-
5725 ~ 5850	77.43	-	-

Test mode : 802.11ax(HE80)_OFDM / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.50	-	-
5250 ~ 5350	77.66	-	-
5470 ~ 5725	77.56	77.53	-
5725 ~ 5850	77.62	-	-

Test mode : 802.11ax(HE80)_OFDM / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.62	-	-
5250 ~ 5350	77.54	-	-
5470 ~ 5725	77.45	77.85	-
5725 ~ 5850	77.56	-	-

Test mode : 802.11ax(HE20)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.77	18.77	18.77
5250 ~ 5350	18.79	18.75	18.79
5470 ~ 5725	18.79	18.76	18.78
5720(Straddle)	18.75	-	-
5725 ~ 5850	18.74	18.80	18.75

Test mode : 802.11ax(HE20)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.77	18.75	18.74
5250 ~ 5350	18.71	18.75	18.75
5470 ~ 5725	18.74	18.77	18.71
5720(Straddle)	18.77	-	-
5725 ~ 5850	18.77	18.76	18.73

Test mode : 802.11ax(HE20)_OFDMA / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	18.75	18.75	18.77
5250 ~ 5350	18.74	18.74	18.69
5470 ~ 5725	18.79	18.74	18.75
5720(Straddle)	18.79	-	-
5725 ~ 5850	18.74	18.75	18.79

Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.46	37.64	-
5250 ~ 5350	37.58	37.49	-
5470 ~ 5725	37.57	37.55	37.69
5710(Straddle)	37.55	-	-
5725 ~ 5850	37.46	37.57	-

Test mode : 802.11ax(HE40)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.62	37.60	-
5250 ~ 5350	37.48	37.52	-
5470 ~ 5725	37.49	37.76	37.51
5710(Straddle)	37.43	-	-
5725 ~ 5850	37.42	37.54	-

Test mode : 802.11ax(HE40)_OFDMA / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	37.36	37.40	-
5250 ~ 5350	37.70	37.46	-
5470 ~ 5725	37.57	37.42	37.54
5710(Straddle)	37.32	-	-
5725 ~ 5850	37.49	37.40	-

Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT1)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.54	-	-
5250 ~ 5350	77.43	-	-
5470 ~ 5725	77.32	77.48	-
5725 ~ 5850	77.51	-	-

Test mode : 802.11ax(HE80)_OFDMA / SISO(ANT2)

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.61	-	-
5250 ~ 5350	77.53	-	-
5470 ~ 5725	77.37	77.46	-
5725 ~ 5850	77.50	-	-

Test mode : 802.11ax(HE80)_OFDMA / MIMO

Band	Lowest Frequency	Middle Frequency	Highest Frequency
5150 ~ 5250	77.66	-	-
5250 ~ 5350	77.53	-	-
5470 ~ 5725	77.59	77.53	-
5725 ~ 5850	77.56	-	-

4.3.4.6 Emission Bandwidth Test Plot

Test mode : 802.11a / SISO(ANT1)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz



Test mode : 802.11a / SISO(ANT1)

5500MHz



5580MHz



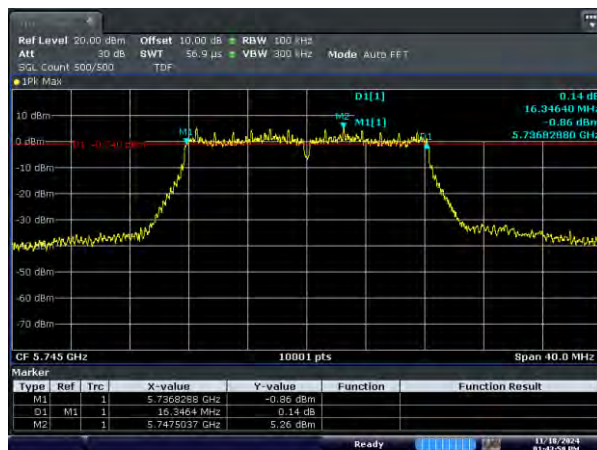
5700MHz



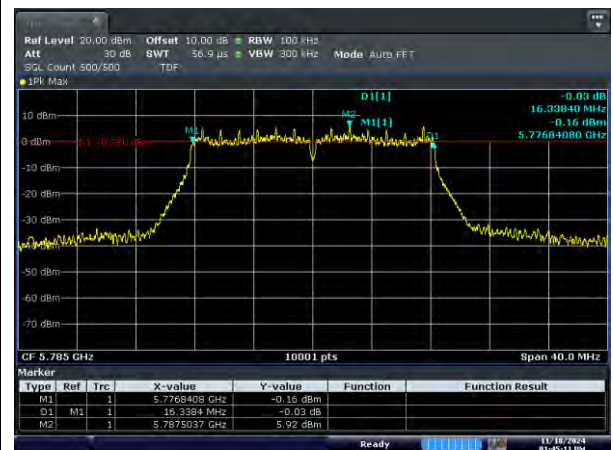
5720MHz



5745MHz

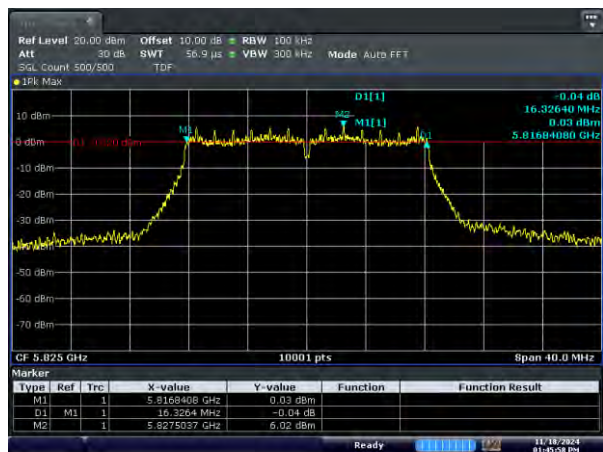


5785MHz



Test mode : 802.11a / SISO(ANT1)

5825MHz



Test mode : 802.11a / SISO(ANT2)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz



Test mode : 802.11a / SISO(ANT2)

5500MHz



5580MHz



5700MHz



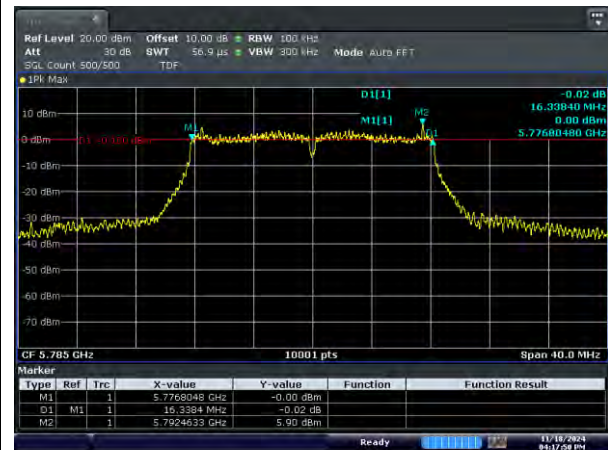
5720MHz



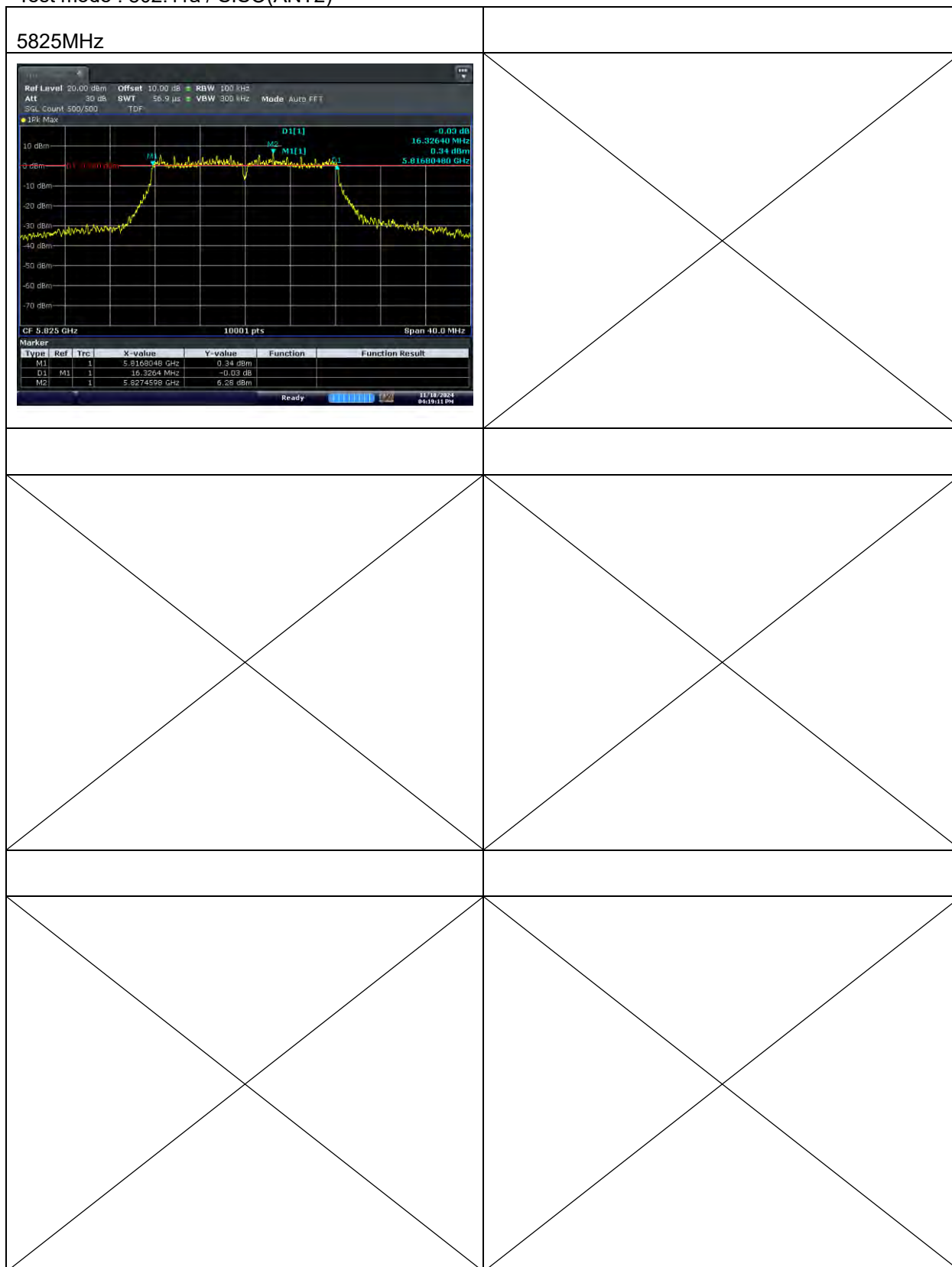
5745MHz



5785MHz



Test mode : 802.11a / SISO(ANT2)



Test mode : 802.11n(HT20) / SISO(ANT1)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz



Test mode : 802.11n(HT20) / SISO(ANT1)

5500MHz



5580MHz



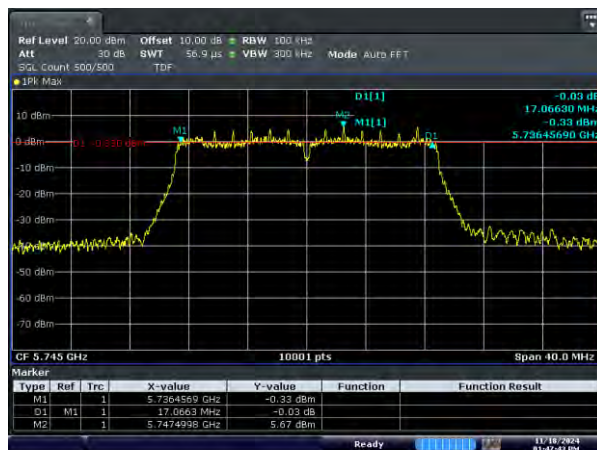
5700MHz



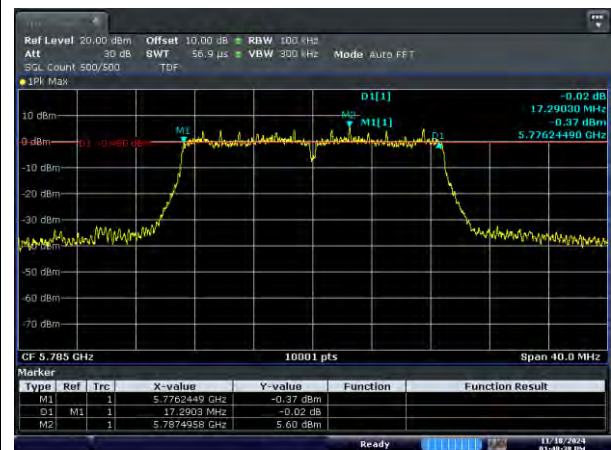
5720MHz



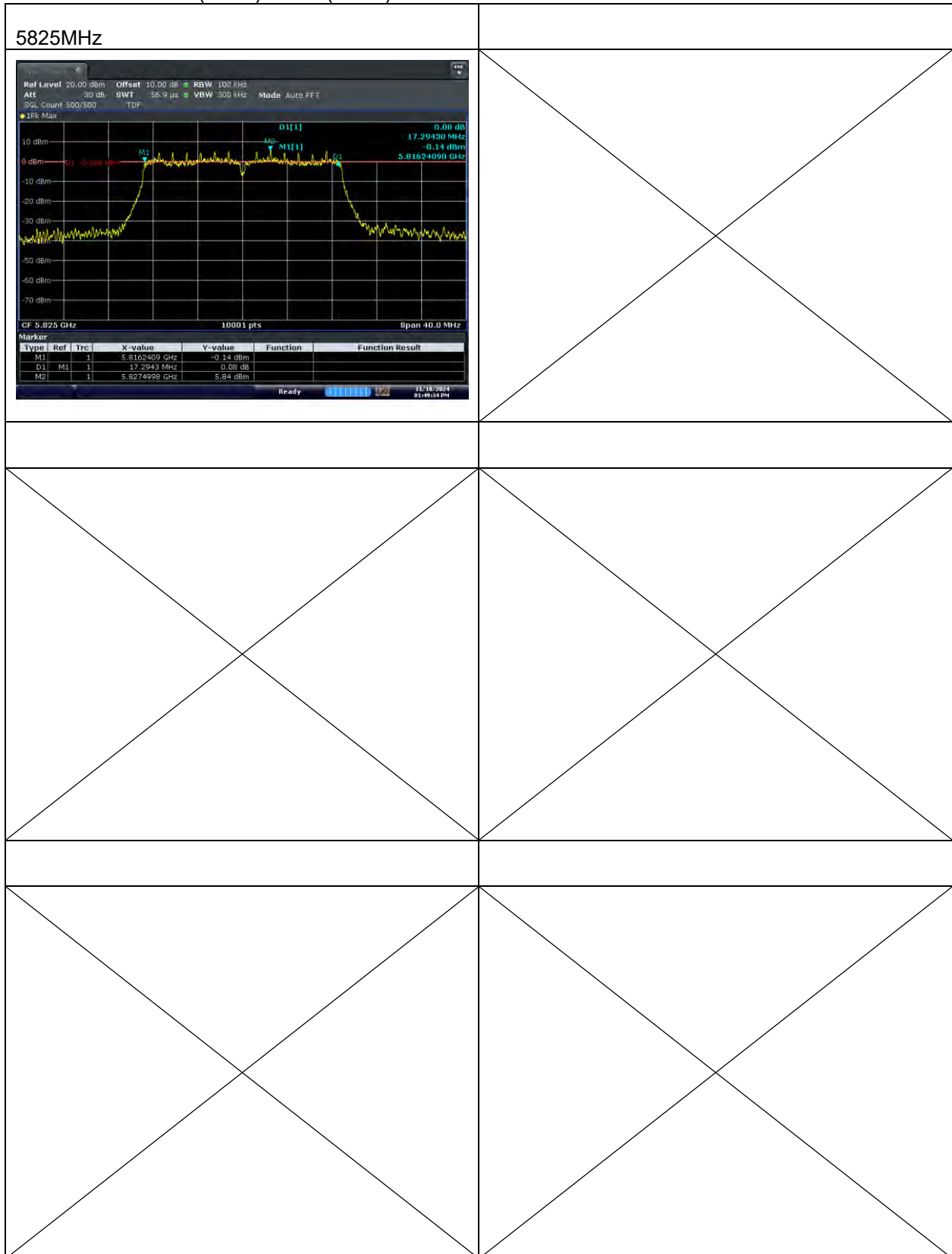
5745MHz



5785MHz



Test mode : 802.11n(HT20) / SISO(ANT1)



Test mode : 802.11n(HT20) / SISO(ANT2)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz



Test mode : 802.11n(HT20) / SISO(ANT2)

5500MHz



5580MHz



5700MHz



5720MHz



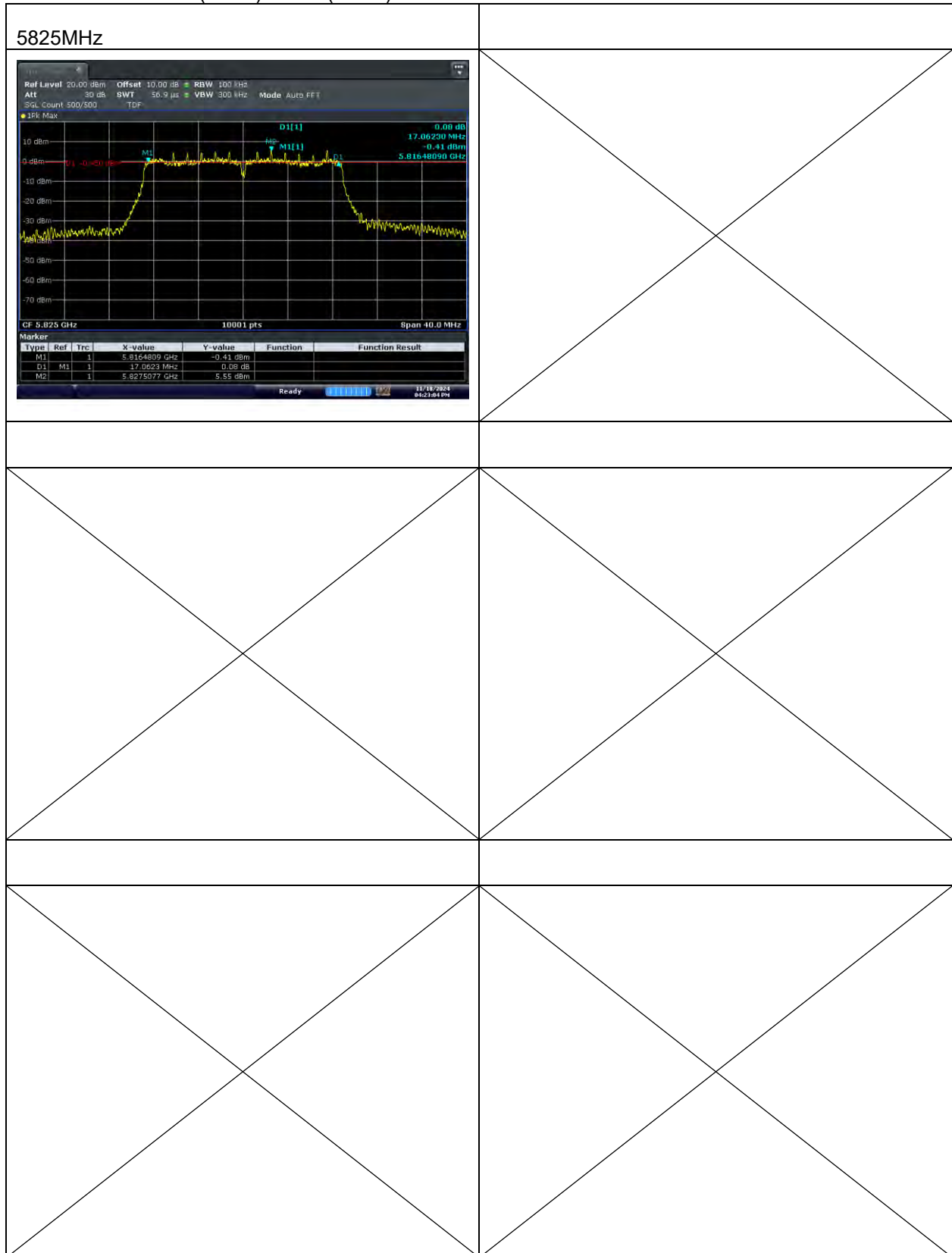
5745MHz



5785MHz



Test mode : 802.11n(HT20) / SISO(ANT2)



Test mode : 802.11n(HT20) / MIMO(ANT1)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz



Test mode : 802.11n(HT20) / MIMO(ANT1)

5500MHz



5580MHz



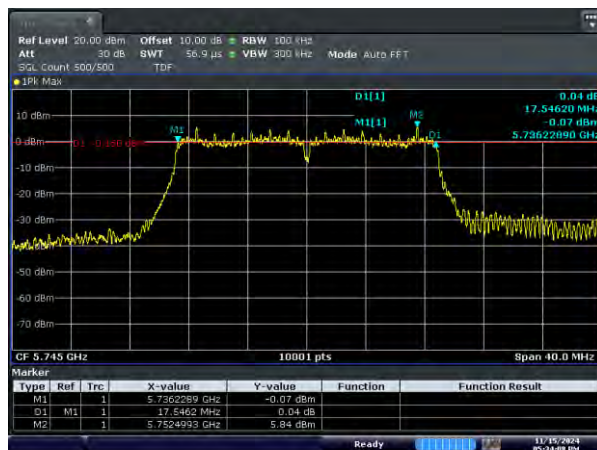
5700MHz



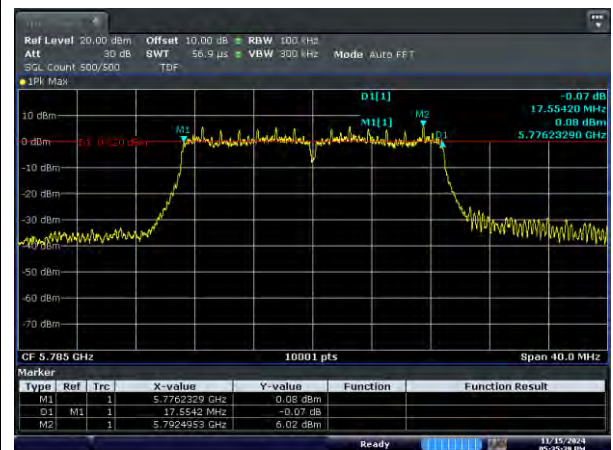
5720MHz



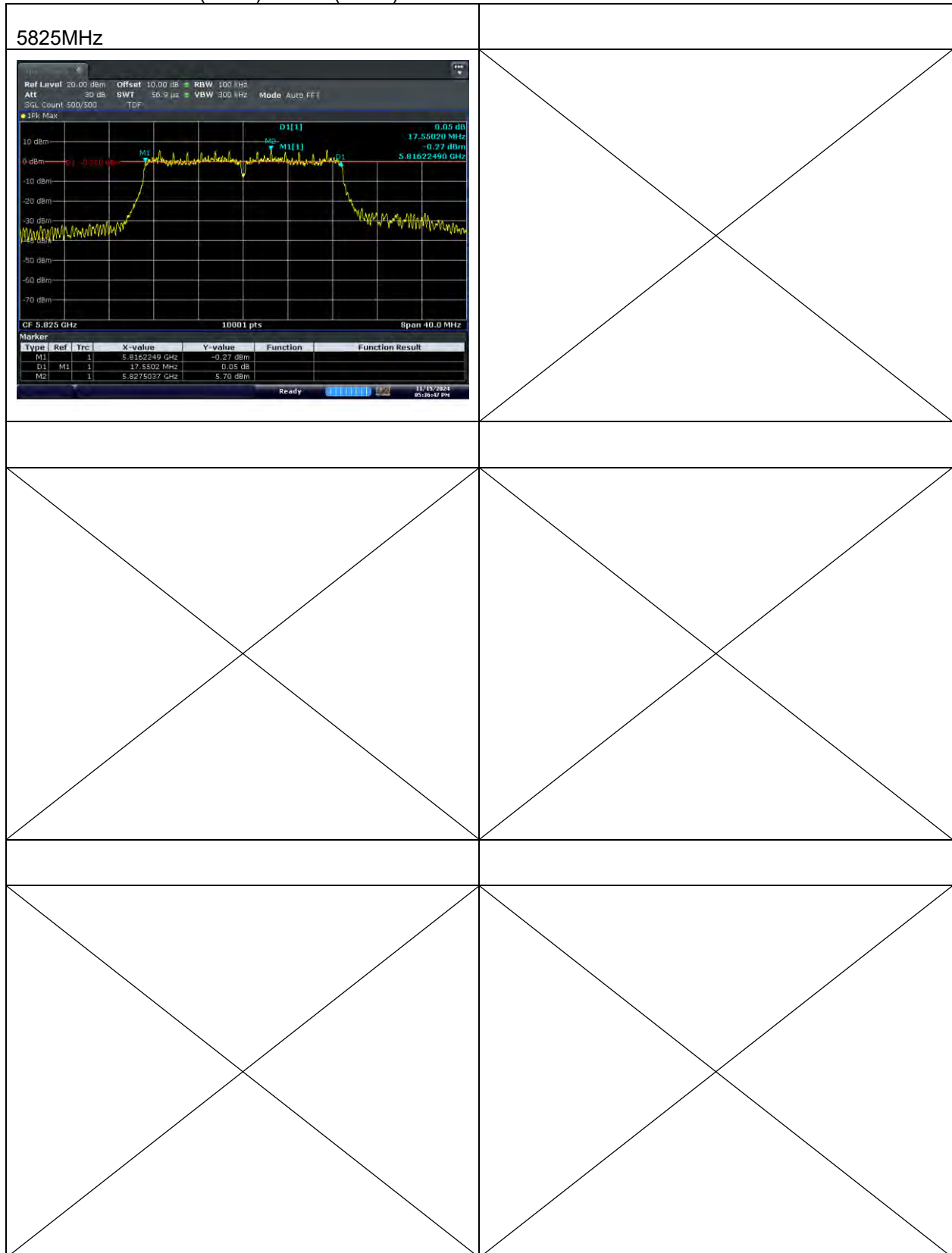
5745MHz



5785MHz



Test mode : 802.11n(HT20) / MIMO(ANT1)



Test mode : 802.11n(HT40) / SISO(ANT1)

5190MHz



5230MHz



5270MHz



5310MHz



5510MHz



5550MHz



Test mode : 802.11n(HT40) / SISO(ANT1)

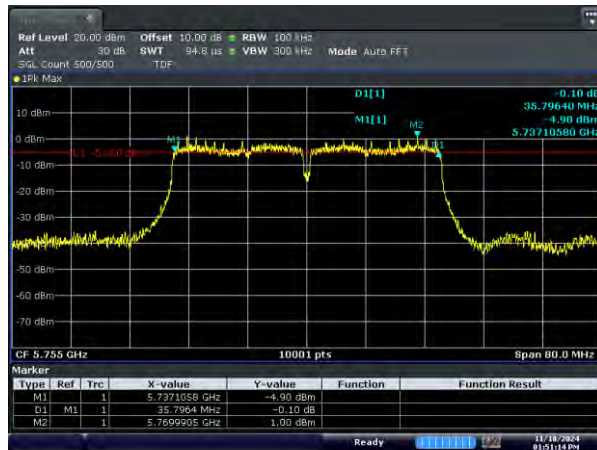
5670MHz



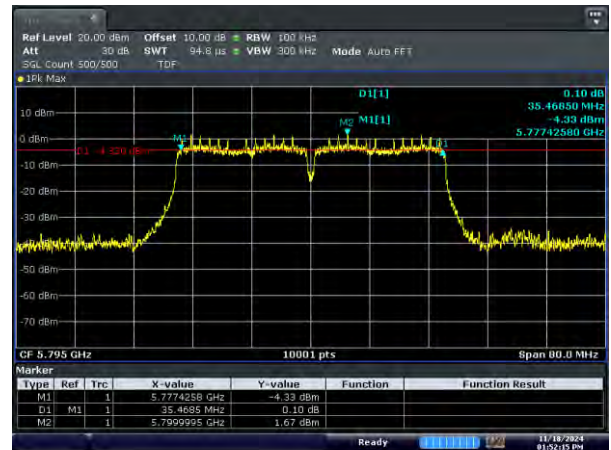
5710MHz



5755MHz



5795MHz



Test mode : 802.11n(HT40) / SISO(ANT2)

5190MHz



5230MHz



5270MHz



5310MHz



5510MHz



5550MHz



Test mode : 802.11n(HT40) / SISO(ANT2)

5670MHz



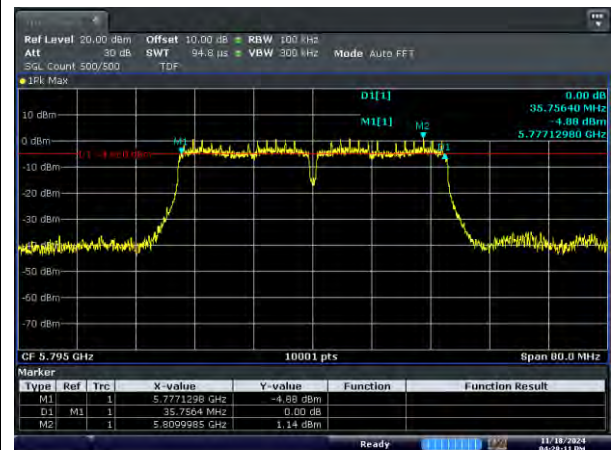
5710MHz



5755MHz



5795MHz



Test mode : 802.11n(HT40) / MIMO(ANT1)

5190MHz



5230MHz



5270MHz



5310MHz



5510MHz



5550MHz



Test mode : 802.11n(HT40) / MIMO(ANT1)

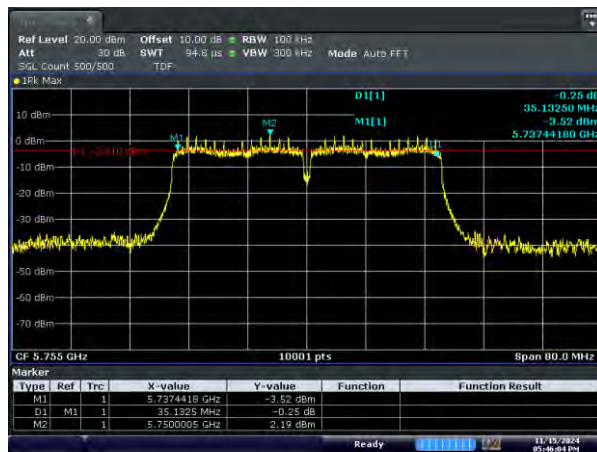
5670MHz



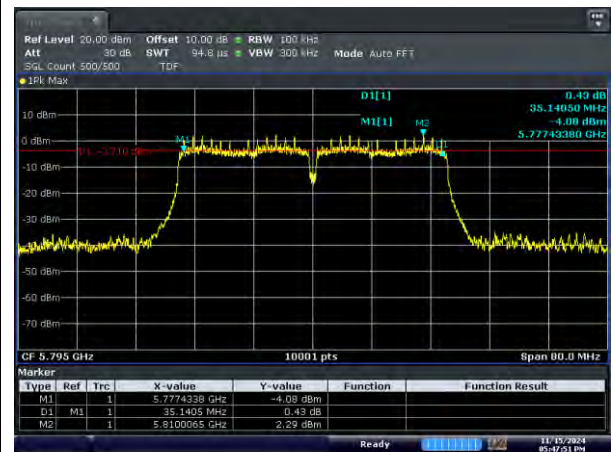
5710MHz



5755MHz



5795MHz



Test mode : 802.11ac(VHT20) / SISO(ANT1)

5180MHz



5200MHz



5240MHz



5260MHz



5300MHz



5320MHz

