

Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

Channel: 165



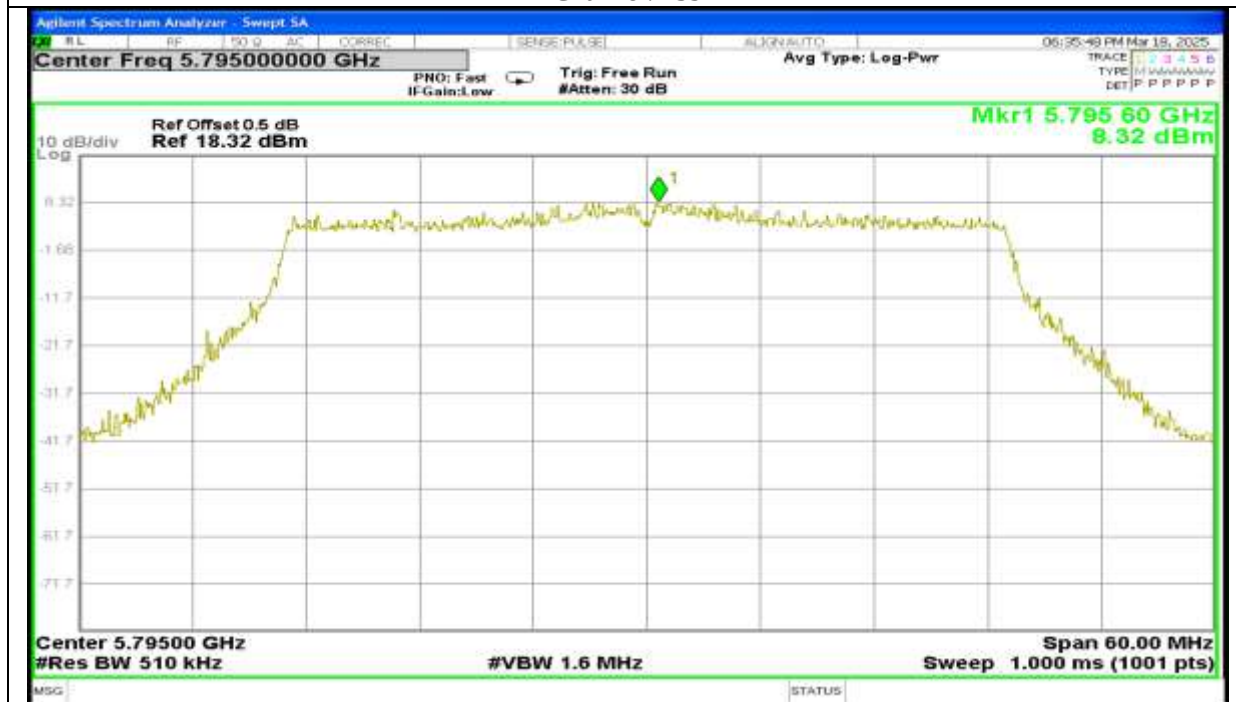
Report No.: AAEMT/RF/250131-01-02

802.11be40

Channel: 151



Channel: 159



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

MRU Antenna 0:



Report No.: AAEMT/RF/250131-01-02

Channel: 58

802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

Channel: 122

802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02

Channel: 114

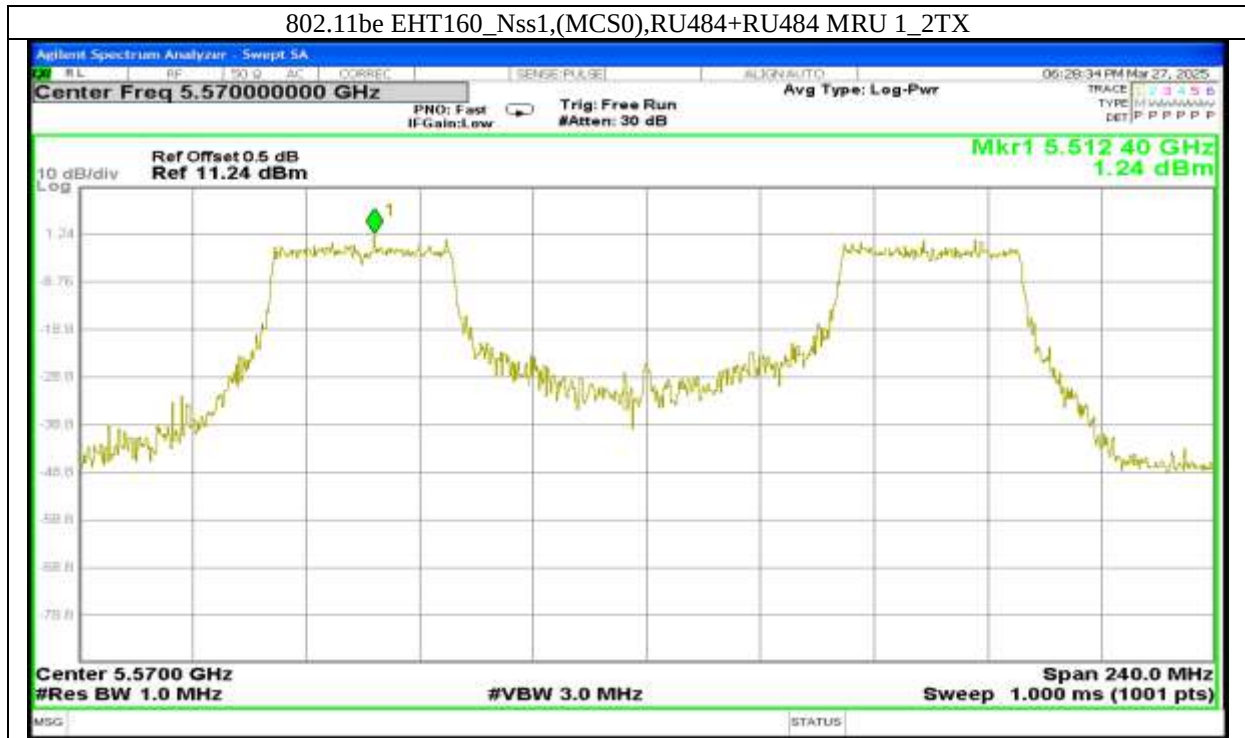
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX



802.11be EHT160_Nss1,(MCS0),RU484+3xRU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

Channel: 155

802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02

Antenna 1:



Report No.: AAEMT/RF/250131-01-02



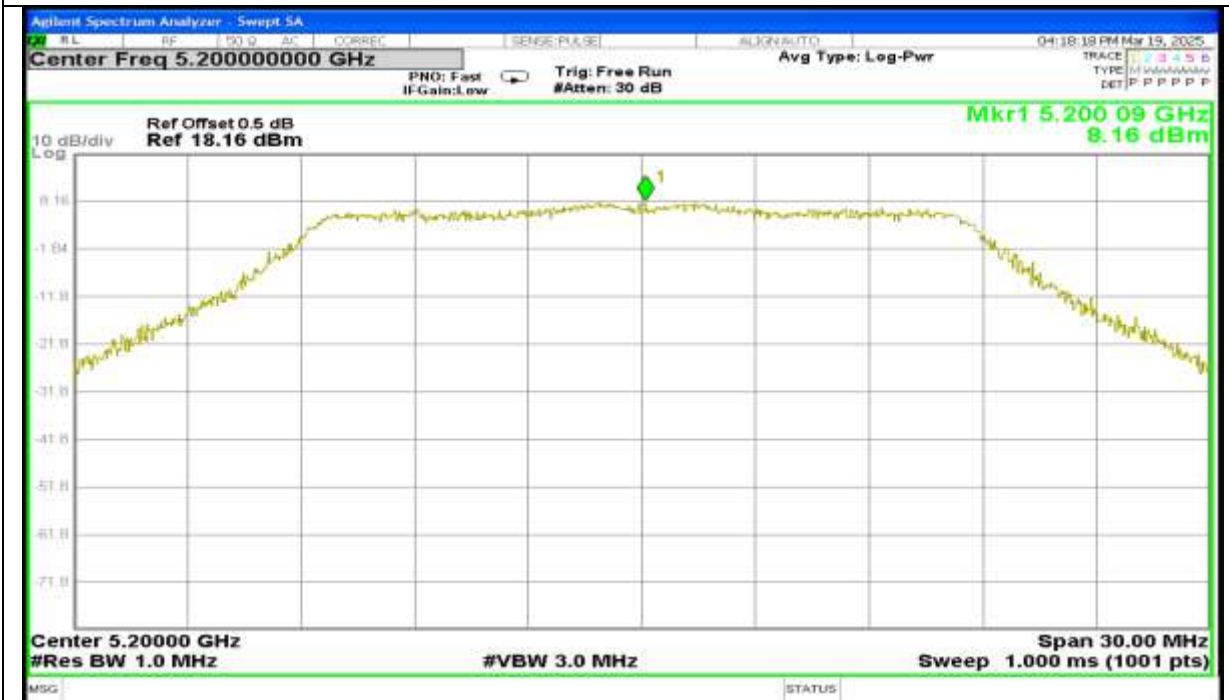
Report No.: AAEMT/RF/250131-01-02

802.11n20

Channel: 36



Channel: 40



Report No.: AAEMT/RF/250131-01-02

Channel: 48



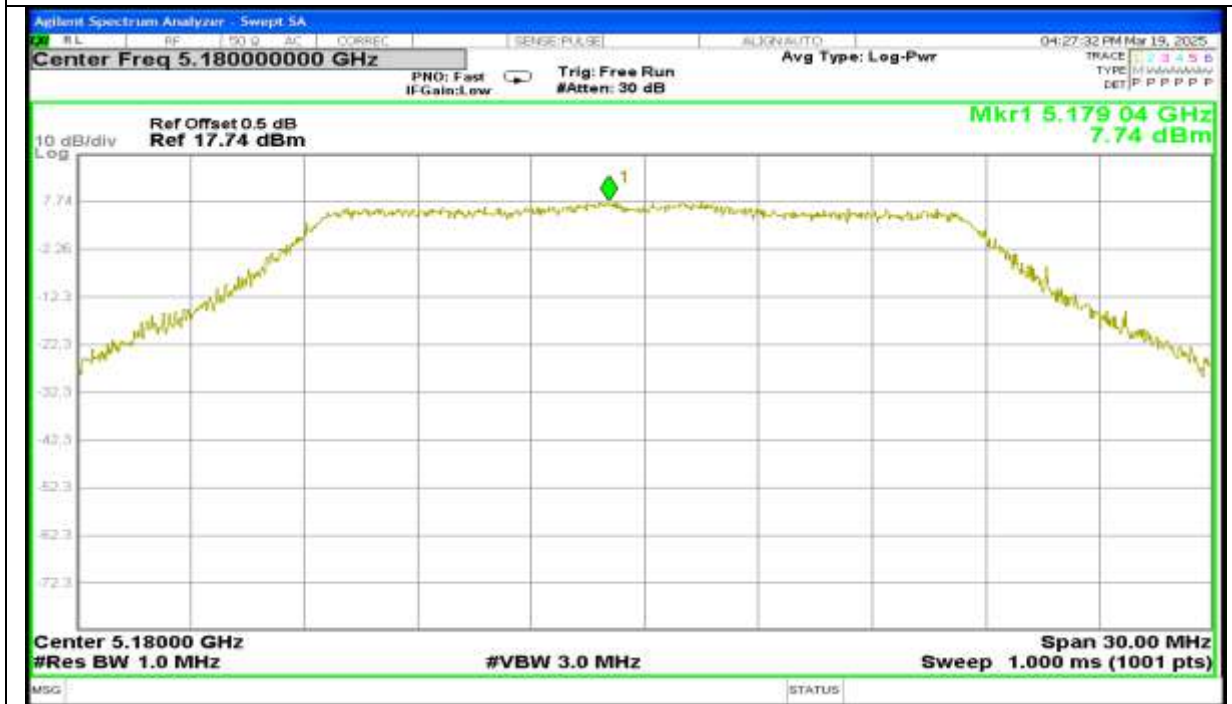
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ac20

Channel: 36



Channel: 40



Report No.: AAEMT/RF/250131-01-02

Channel: 48



Report No.: AAEMT/RF/250131-01-02

802.11ac40

Channel: 38



Channel: 46



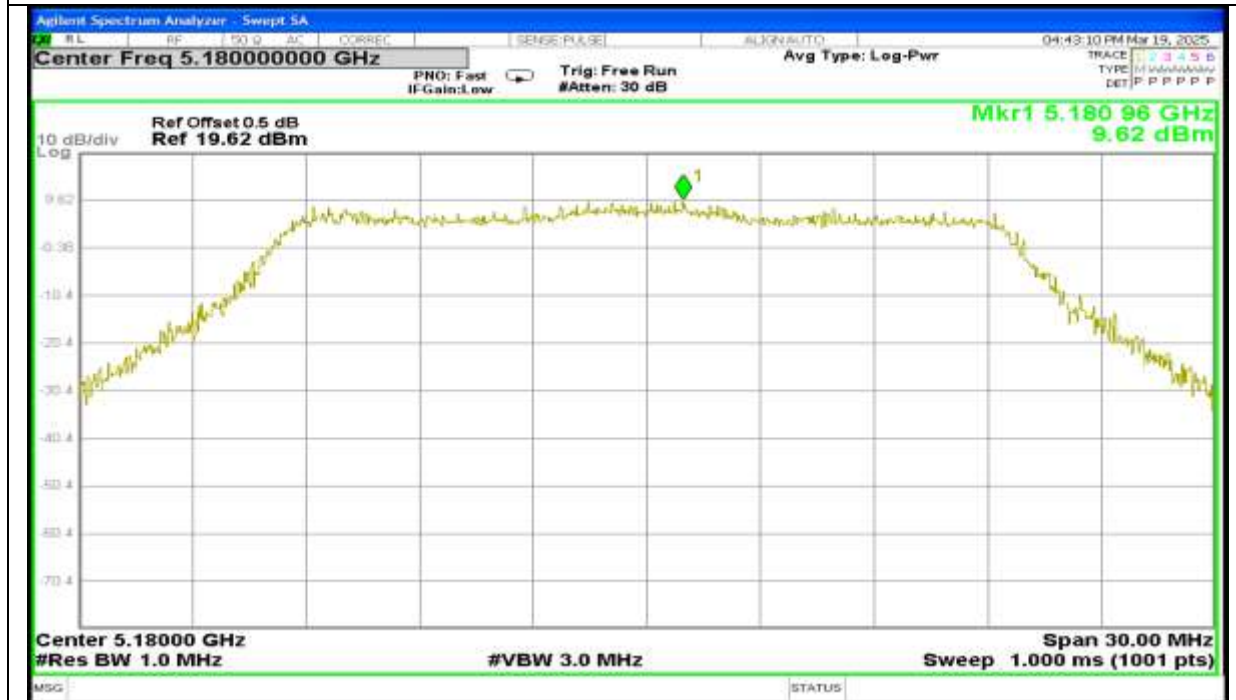
Report No.: AAEMT/RF/250131-01-02



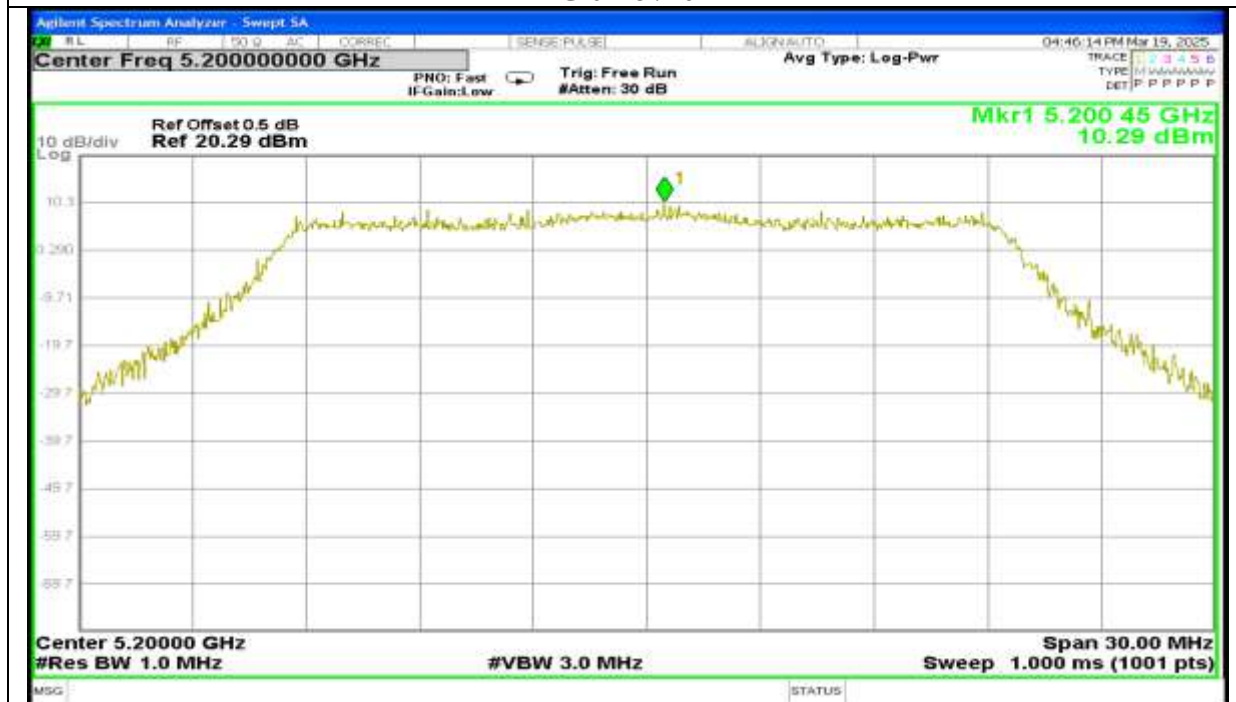
Report No.: AAEMT/RF/250131-01-02

802.11ax20

Channel: 36



Channel: 40

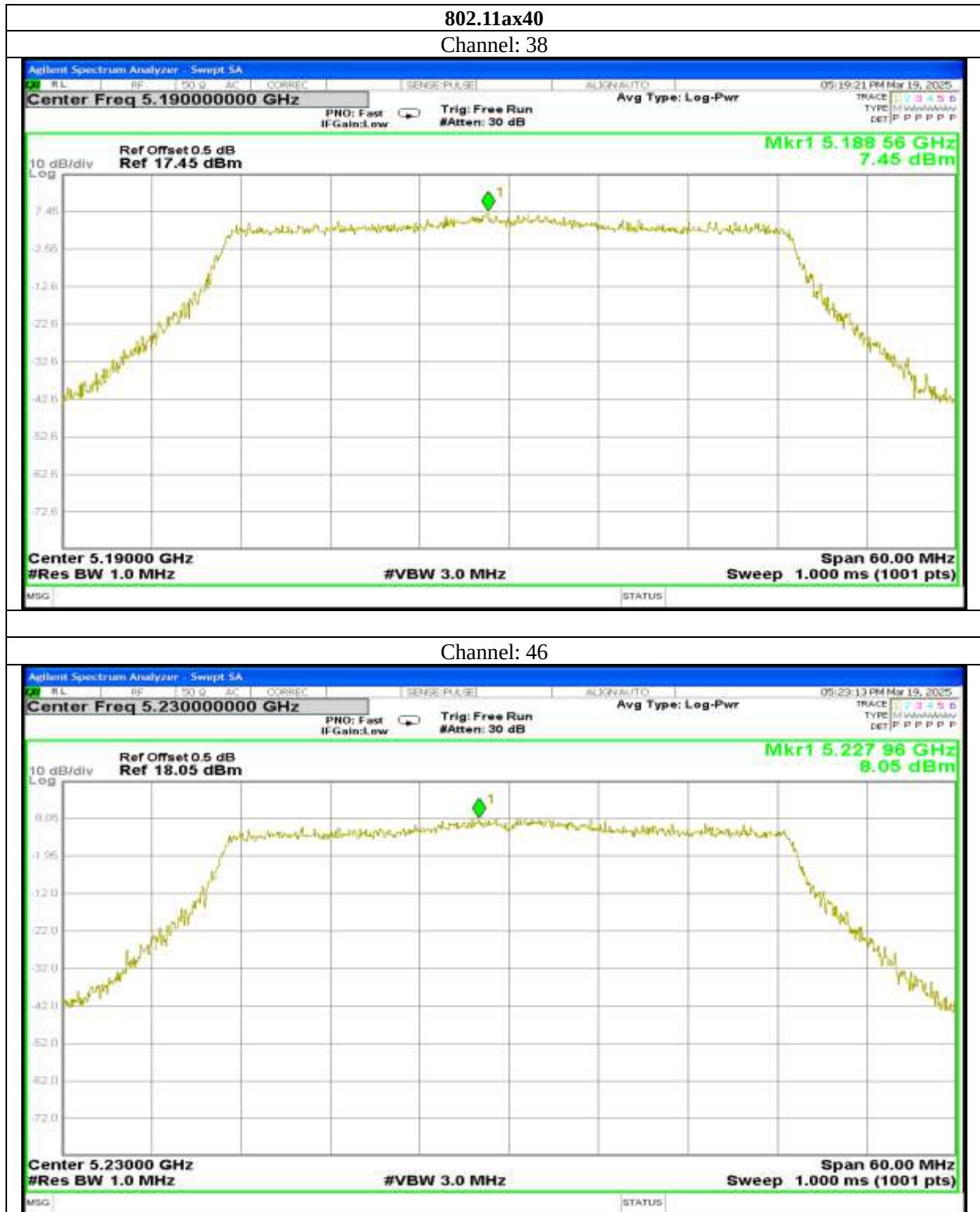


Report No.: AAEMT/RF/250131-01-02

Channel: 48



Report No.: AAEMT/RF/250131-01-02



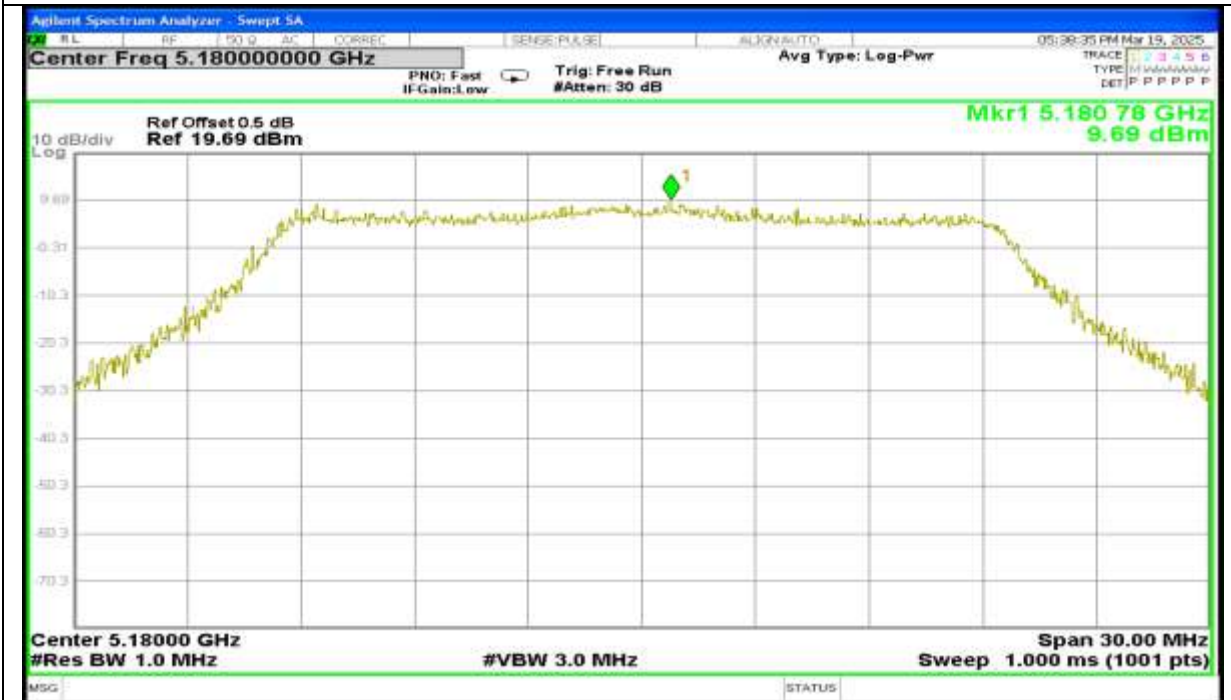
Report No.: AAEMT/RF/250131-01-02



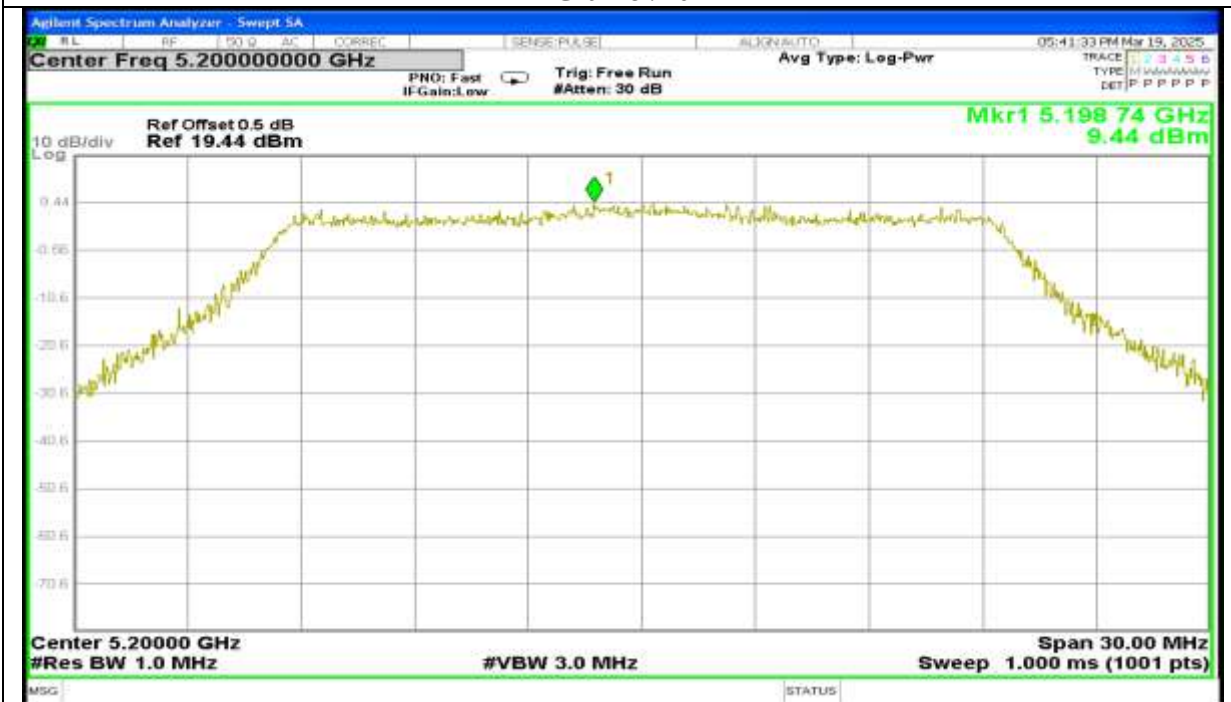
Report No.: AAEMT/RF/250131-01-02

802.11be20

Channel: 36



Channel: 40



Report No.: AAEMT/RF/250131-01-02

Channel: 48



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11a20

Channel: 52



Channel: 60



Report No.: AAEMT/RF/250131-01-02

Channel: 64



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11n40

Channel: 54



Channel: 62



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ac40

Channel: 54



Channel: 62



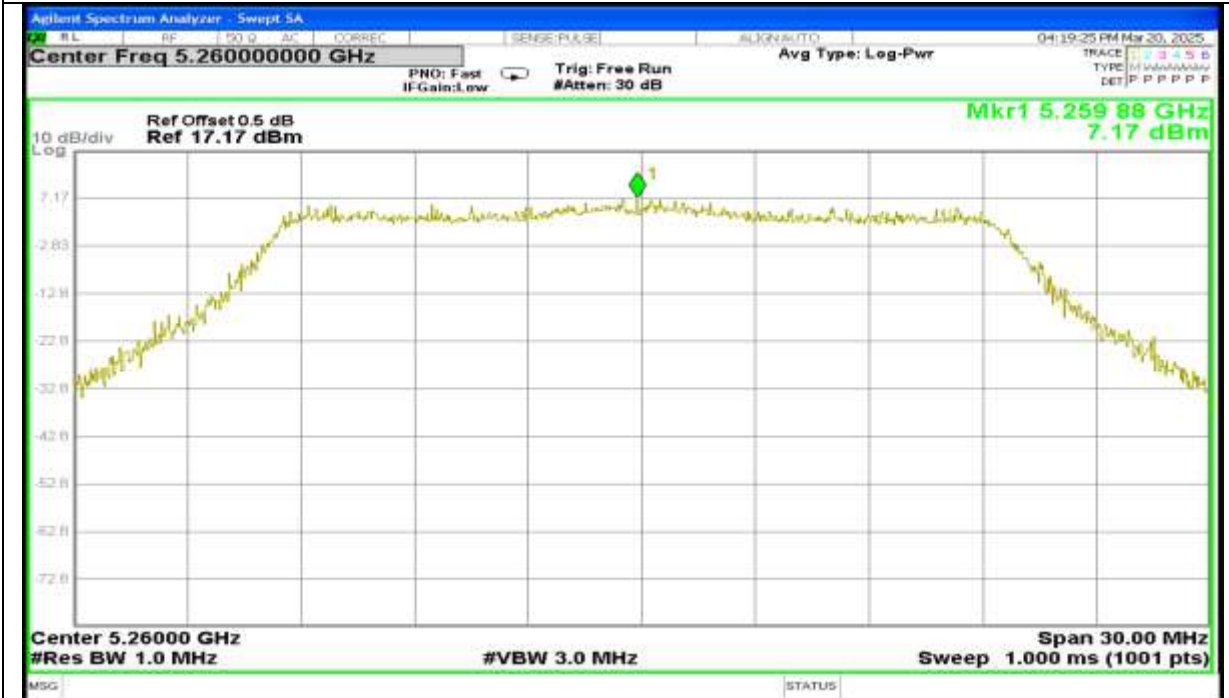
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ax20

Channel: 52



Channel: 60



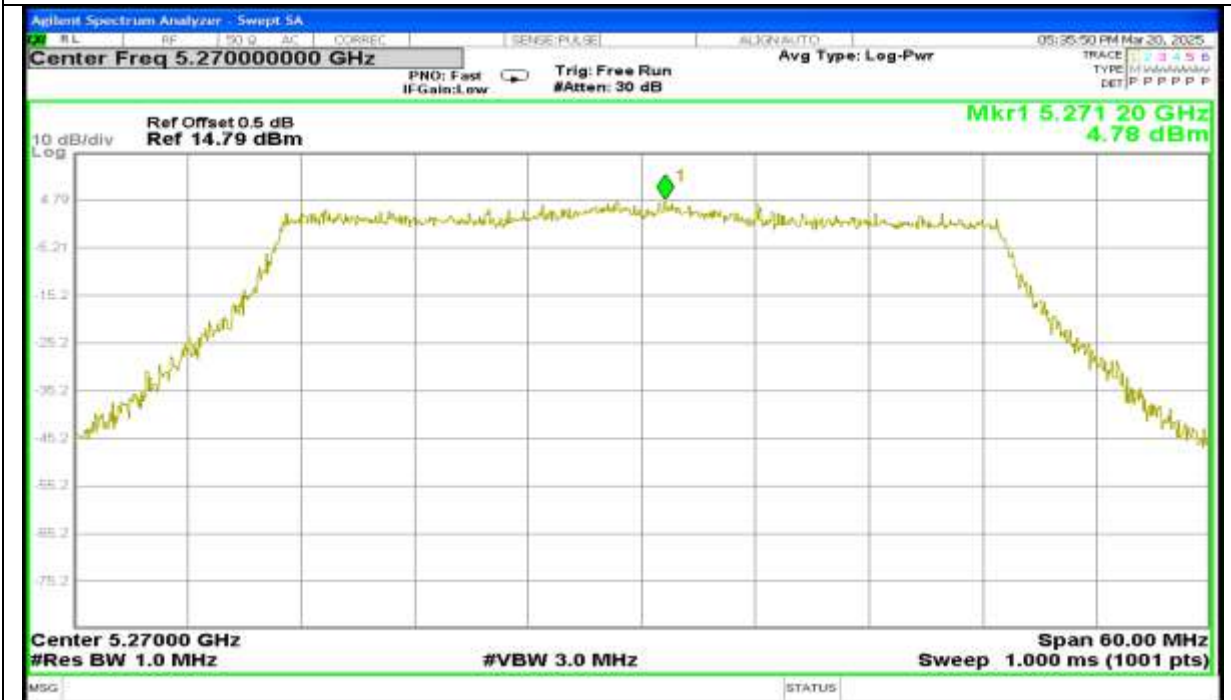
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ax40

Channel: 54



Channel: 62



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



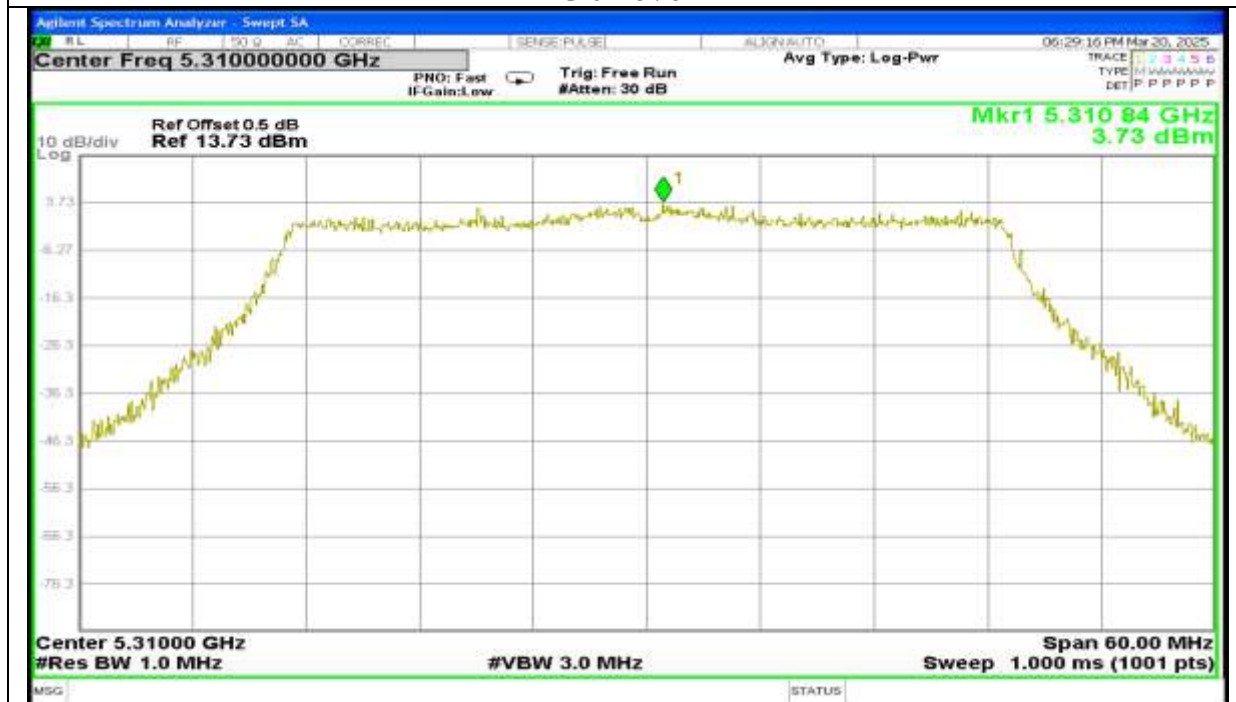
Report No.: AAEMT/RF/250131-01-02

802.11be40

Channel: 54



Channel: 62



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11a20

Channel: 100



Channel: 116



Report No.: AAEMT/RF/250131-01-02

Channel: 140



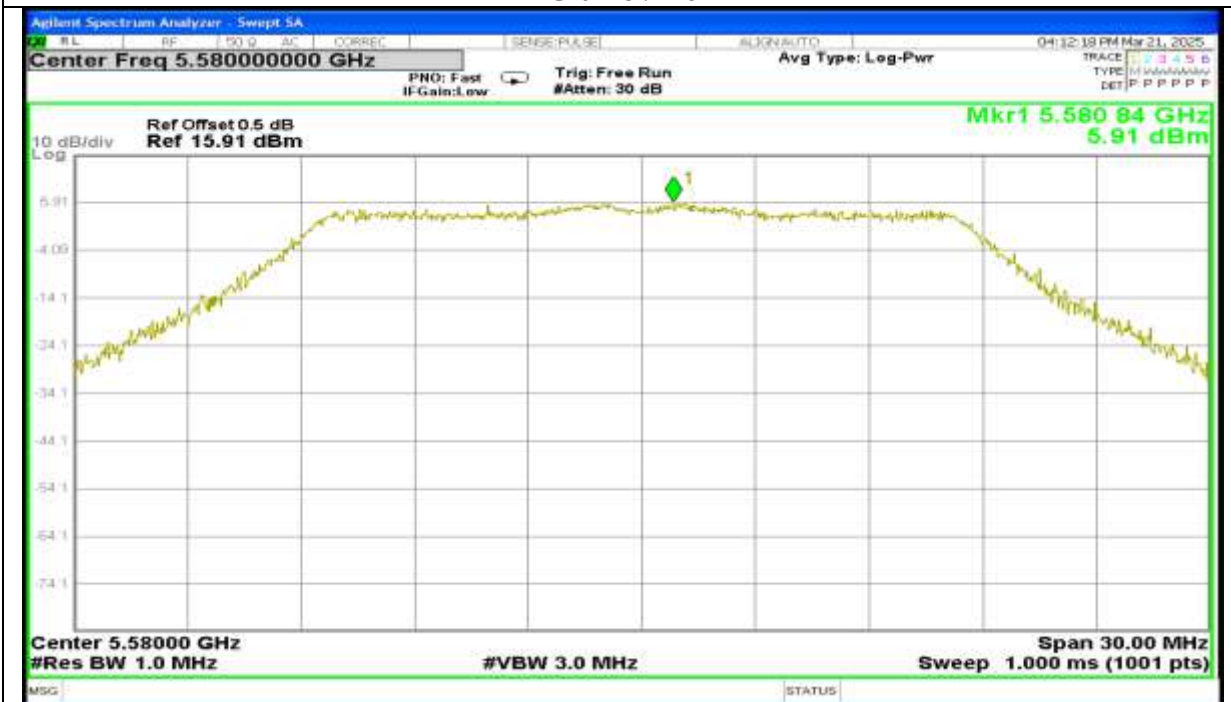
Report No.: AAEMT/RF/250131-01-02

802.11n20

Channel: 100



Channel: 116



Report No.: AAEMT/RF/250131-01-02

Channel: 140



Report No.: AAEMT/RF/250131-01-02

802.11n40

Channel: 102



Channel: 110



Report No.: AAEMT/RF/250131-01-02

Channel: 134



Report No.: AAEMT/RF/250131-01-02

802.11ac20

Channel: 100



Channel: 116



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ac40

Channel: 102



Channel: 110



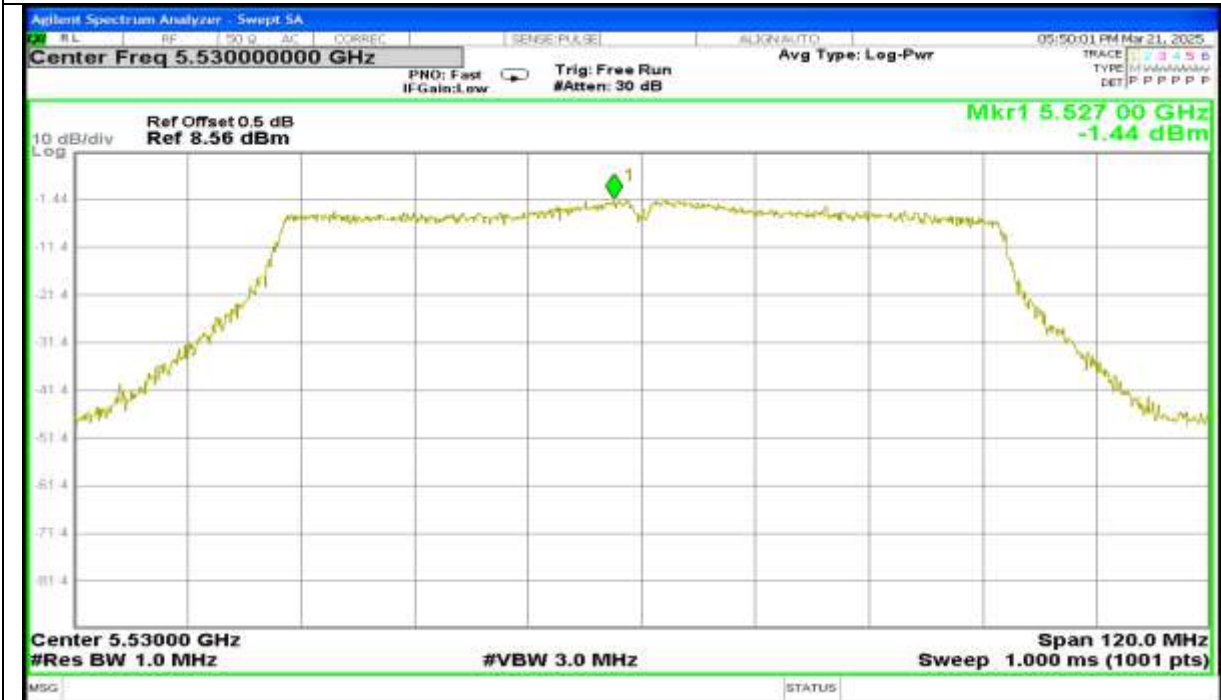
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ac80

Channel: 106



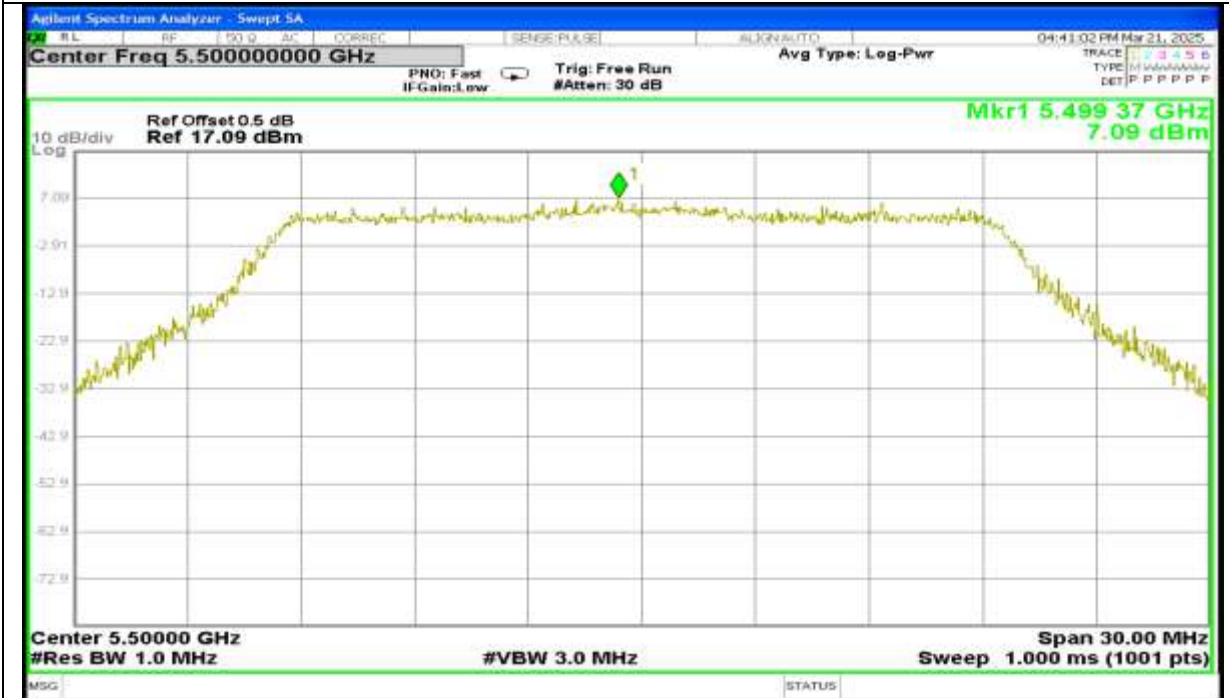
Channel: 122



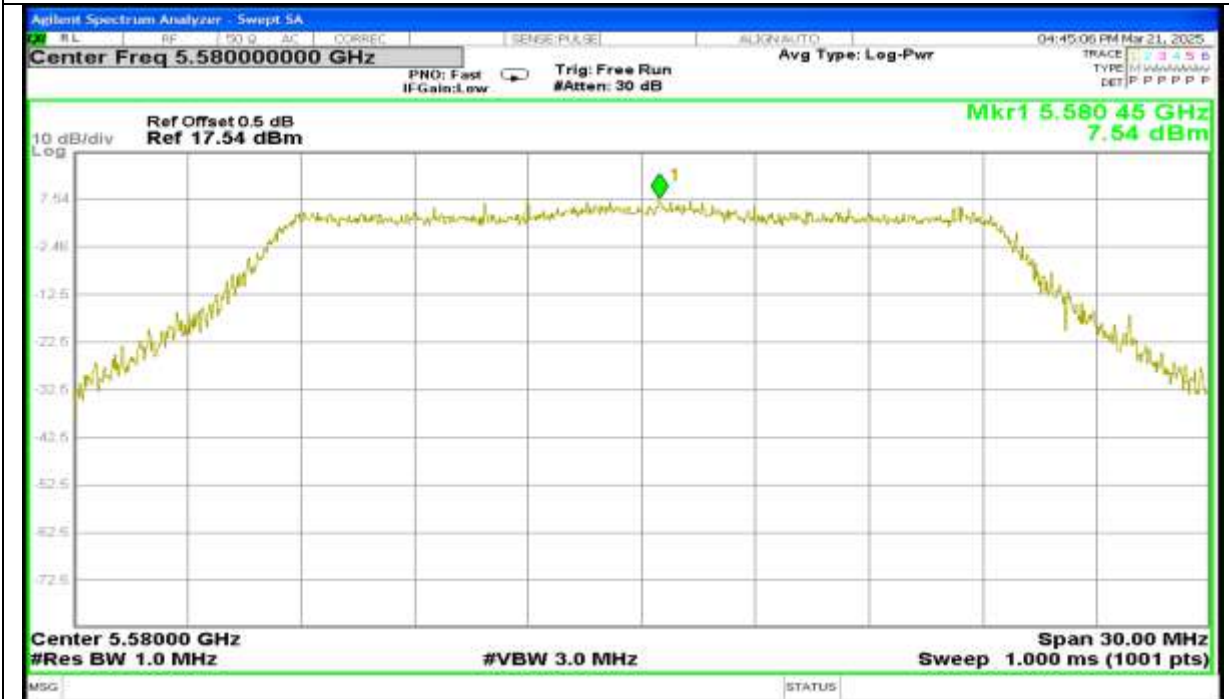
Report No.: AAEMT/RF/250131-01-02

802.11ax20

Channel: 100



Channel: 116



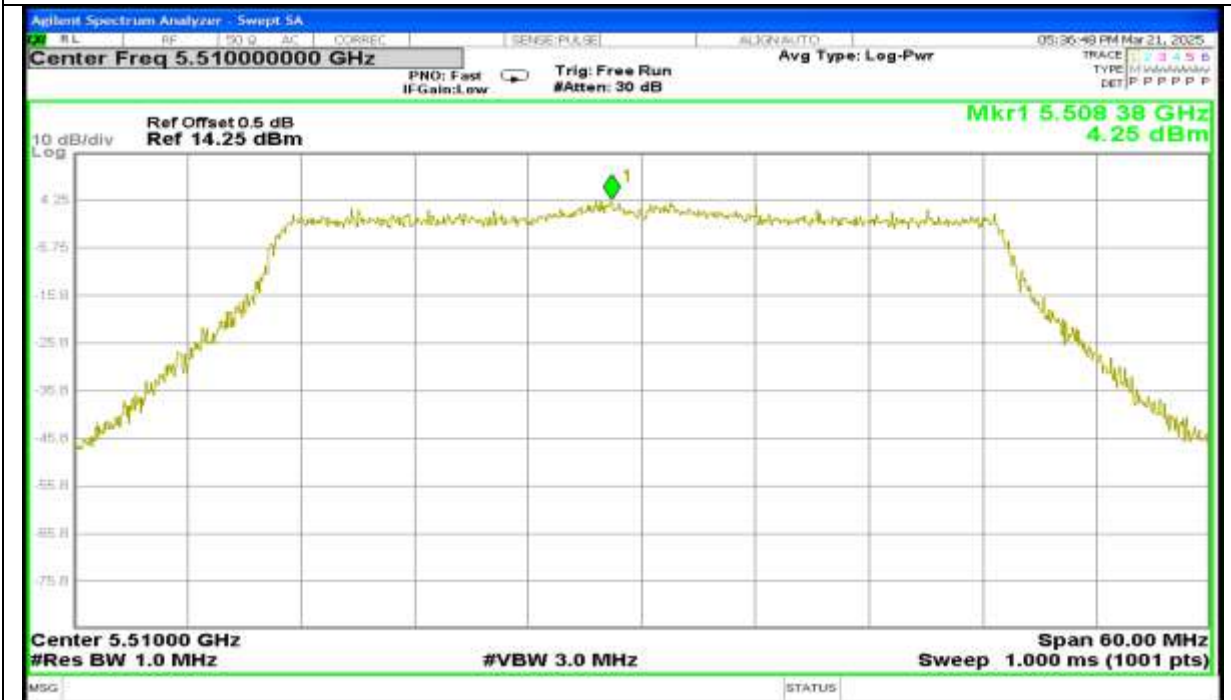
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ax40

Channel: 102



Channel: 110



Report No.: AAEMT/RF/250131-01-02

Channel: 134



Report No.: AAEMT/RF/250131-01-02



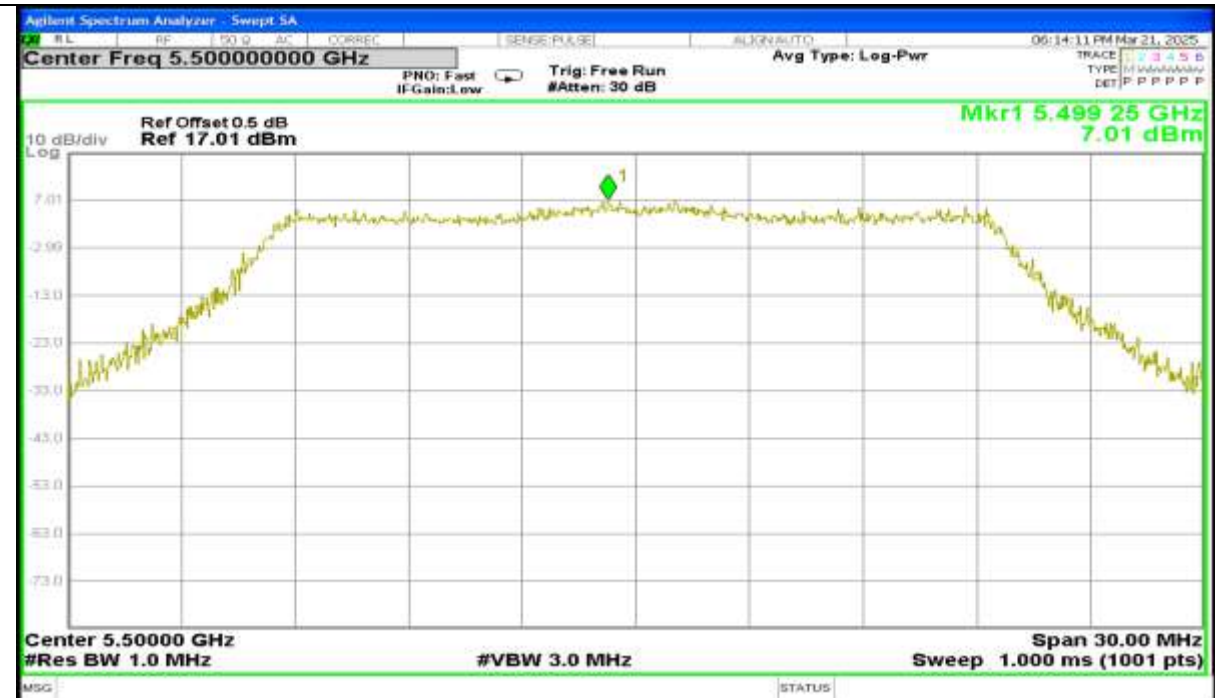
Report No.: AAEMT/RF/250131-01-02



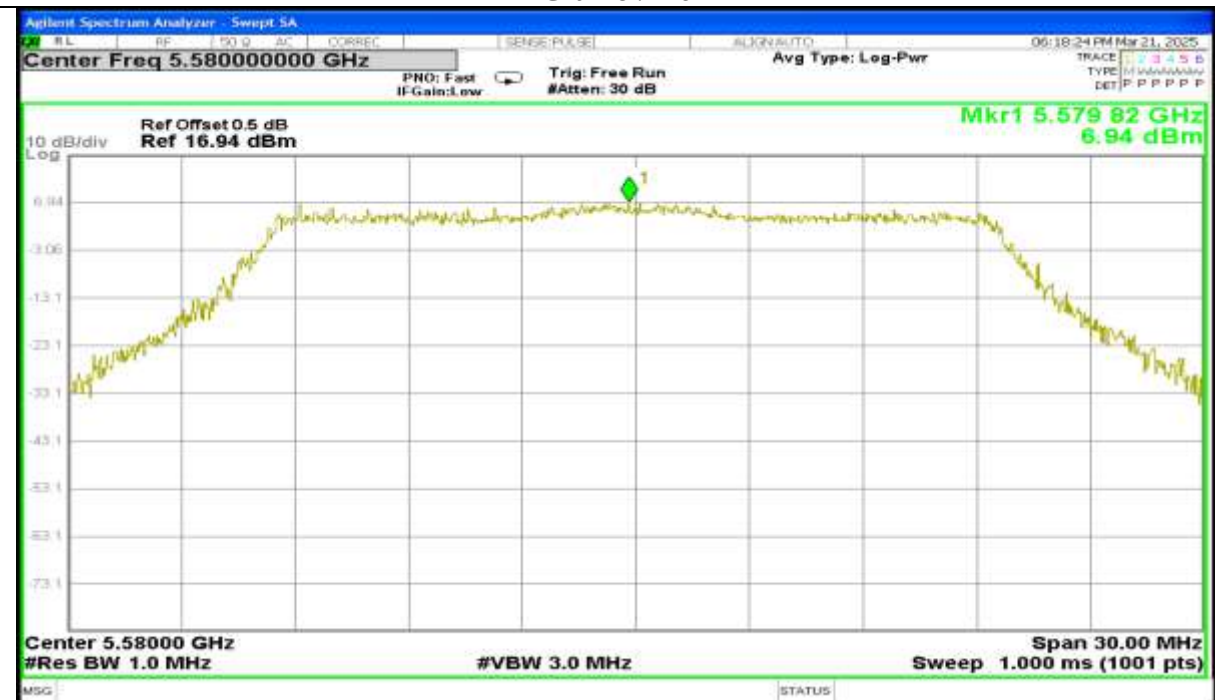
Report No.: AAEMT/RF/250131-01-02

802.11be20

Channel: 100



Channel: 116



Report No.: AAEMT/RF/250131-01-02

Channel: 140



Report No.: AAEMT/RF/250131-01-02



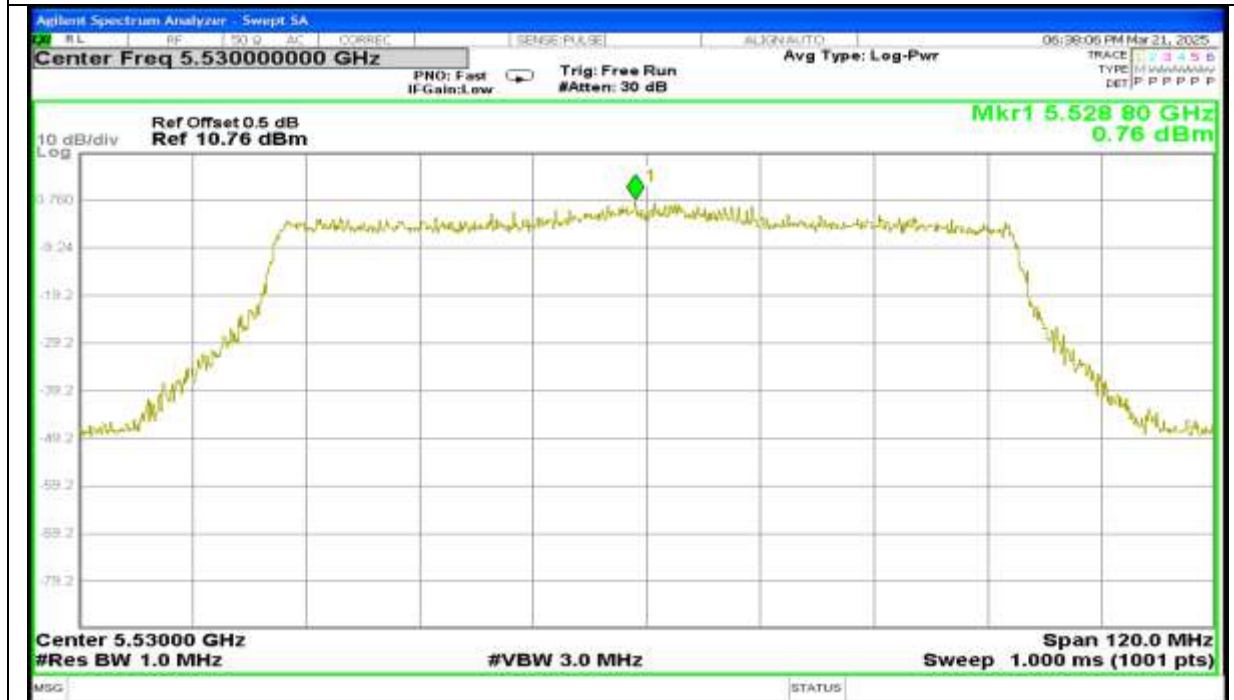
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11be80

Channel: 106



Channel: 122



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11a20

Channel: 149



Channel: 157



Report No.: AAEMT/RF/250131-01-02

Channel: 165



Report No.: AAEMT/RF/250131-01-02

802.11n20

Channel: 149



Channel: 157



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11n40

Channel: 151



Channel: 159



Report No.: AAEMT/RF/250131-01-02

802.11ac20

Channel: 149



Channel: 157



Report No.: AAEMT/RF/250131-01-02

Channel: 165



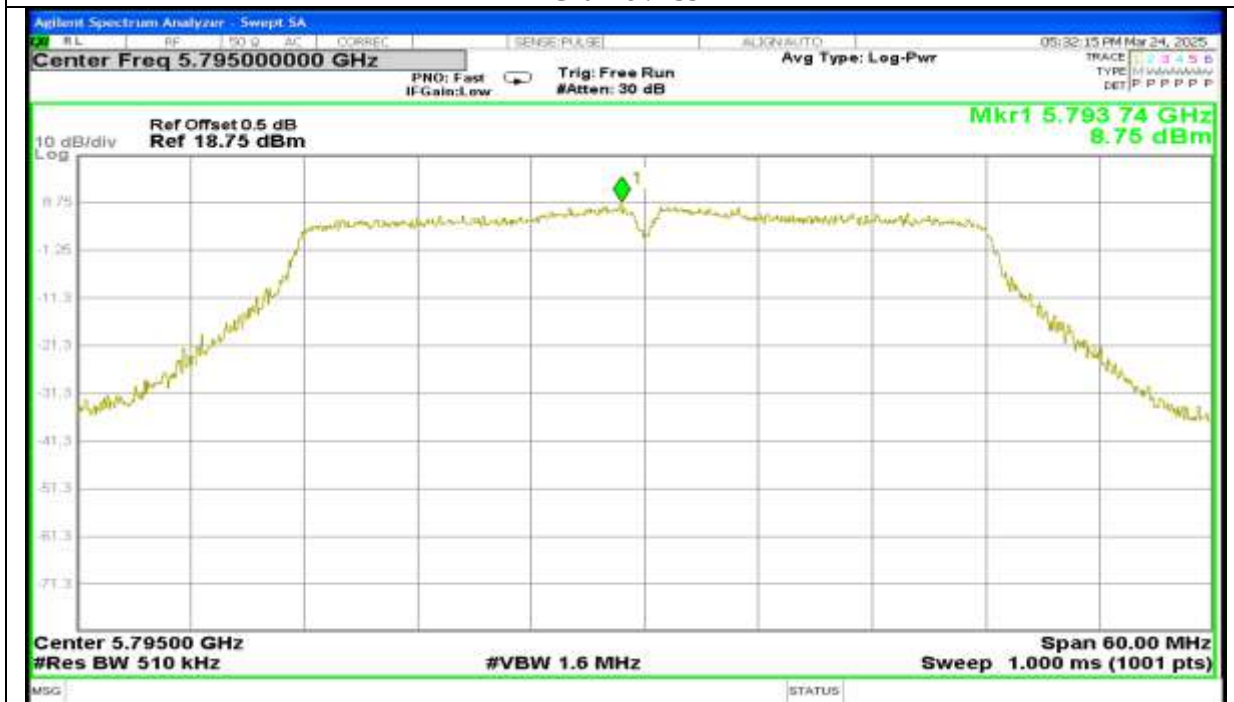
Report No.: AAEMT/RF/250131-01-02

802.11ac40

Channel: 151



Channel: 159



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11ax20

Channel: 149



Channel: 157



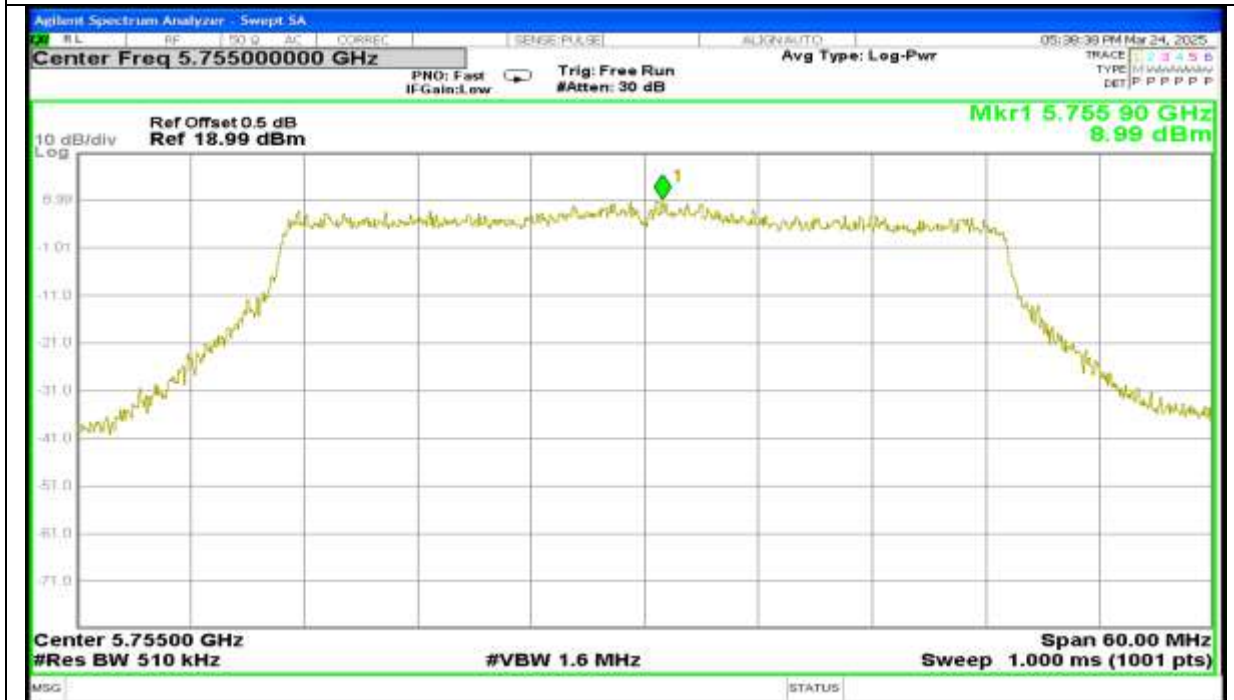
Report No.: AAEMT/RF/250131-01-02



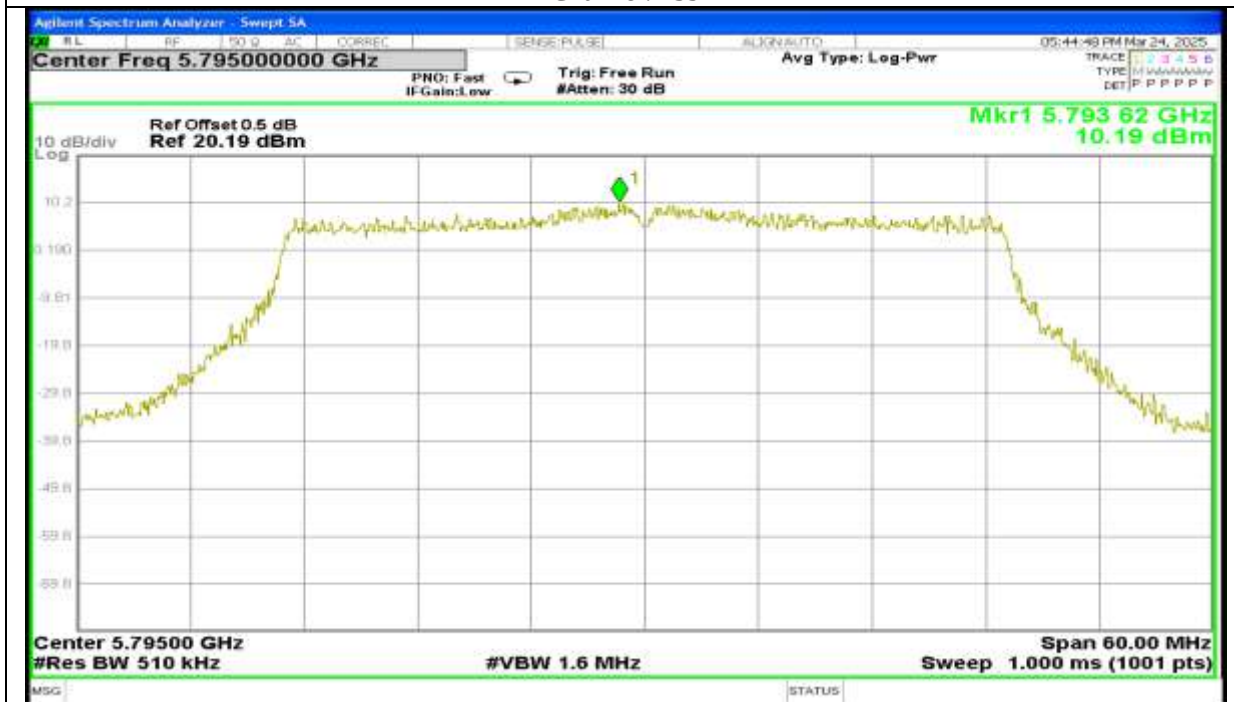
Report No.: AAEMT/RF/250131-01-02

802.11ax40

Channel: 151



Channel: 159



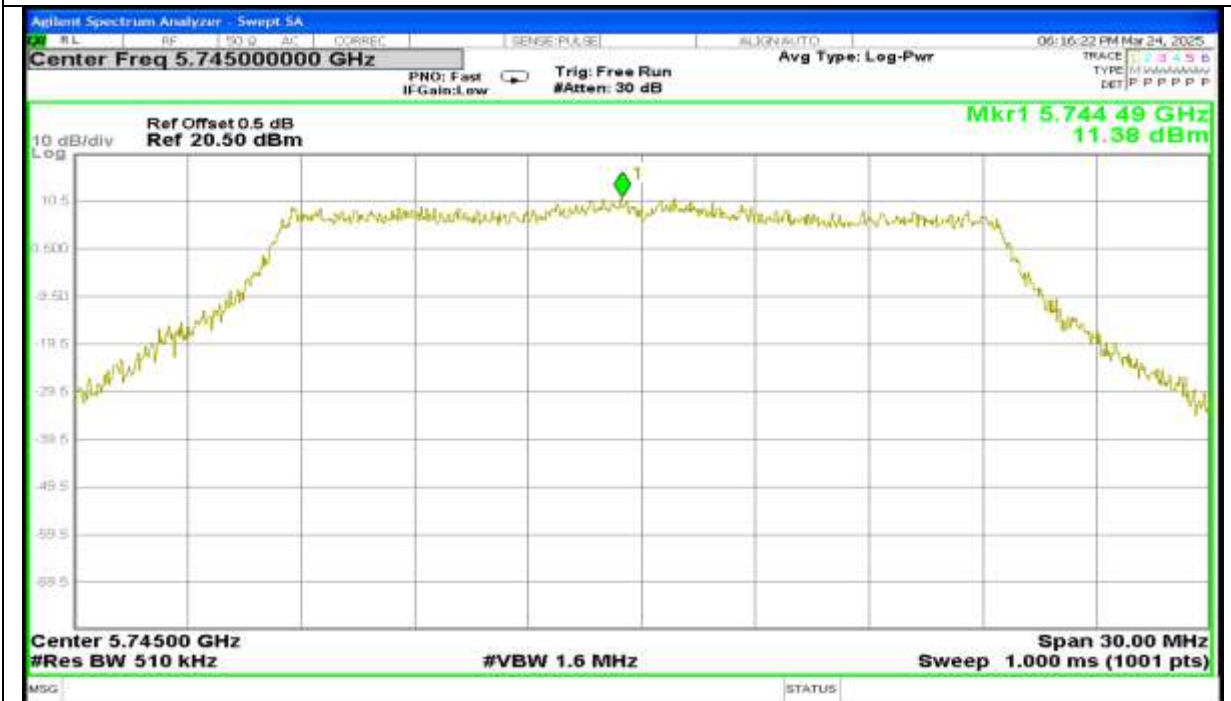
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

802.11be20

Channel: 149



Channel: 157



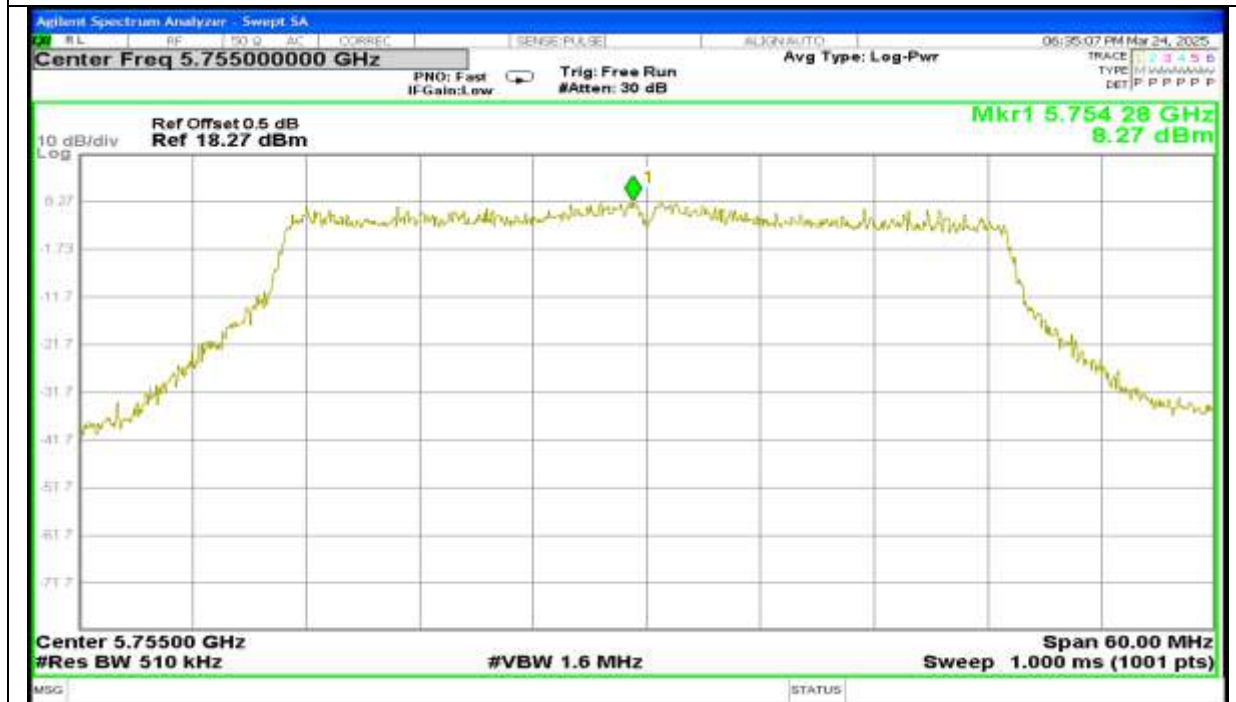
Report No.: AAEMT/RF/250131-01-02



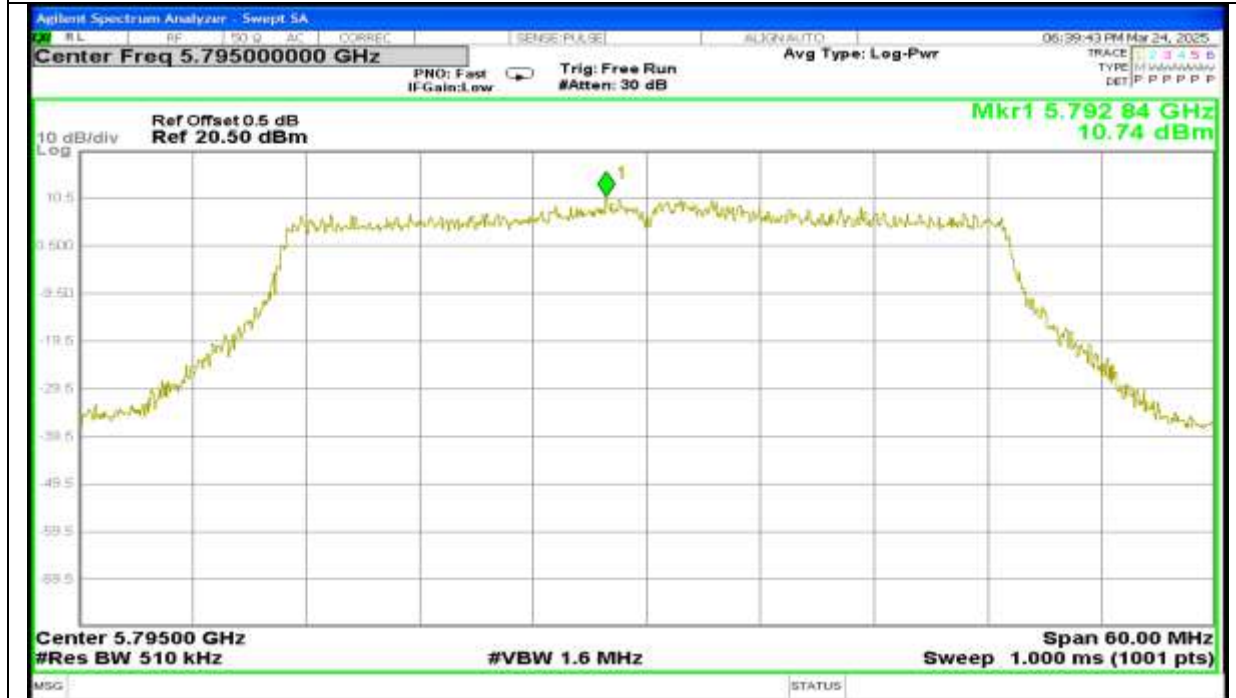
Report No.: AAEMT/RF/250131-01-02

802.11be40

Channel: 151



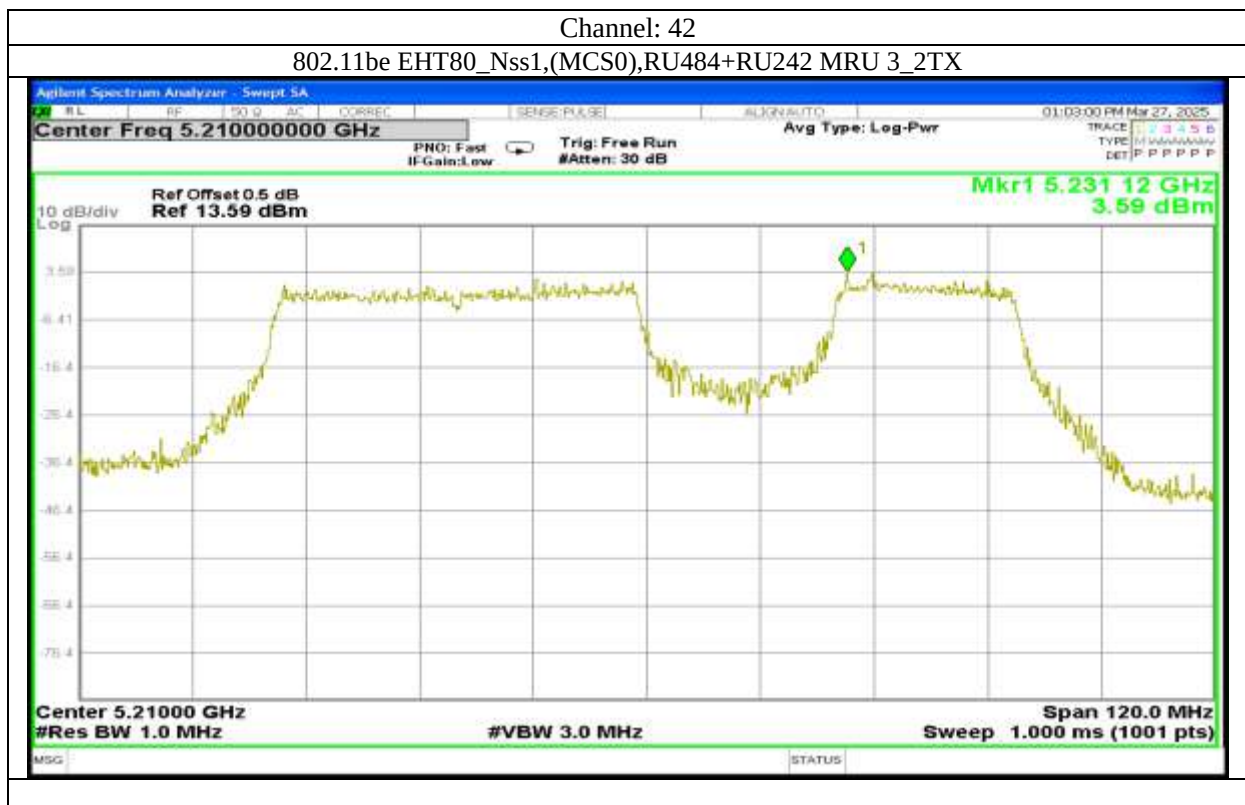
Channel: 159



Report No.: AAEMT/RF/250131-01-02

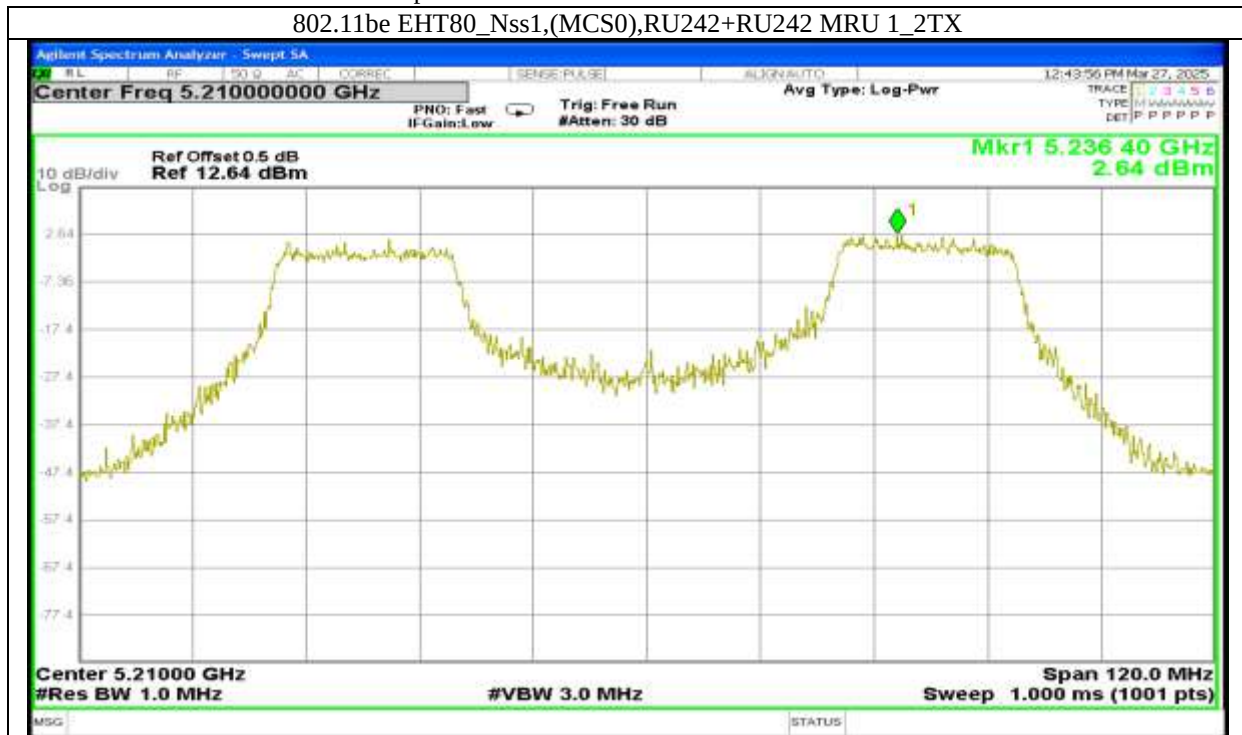


MRU Antenna 1:



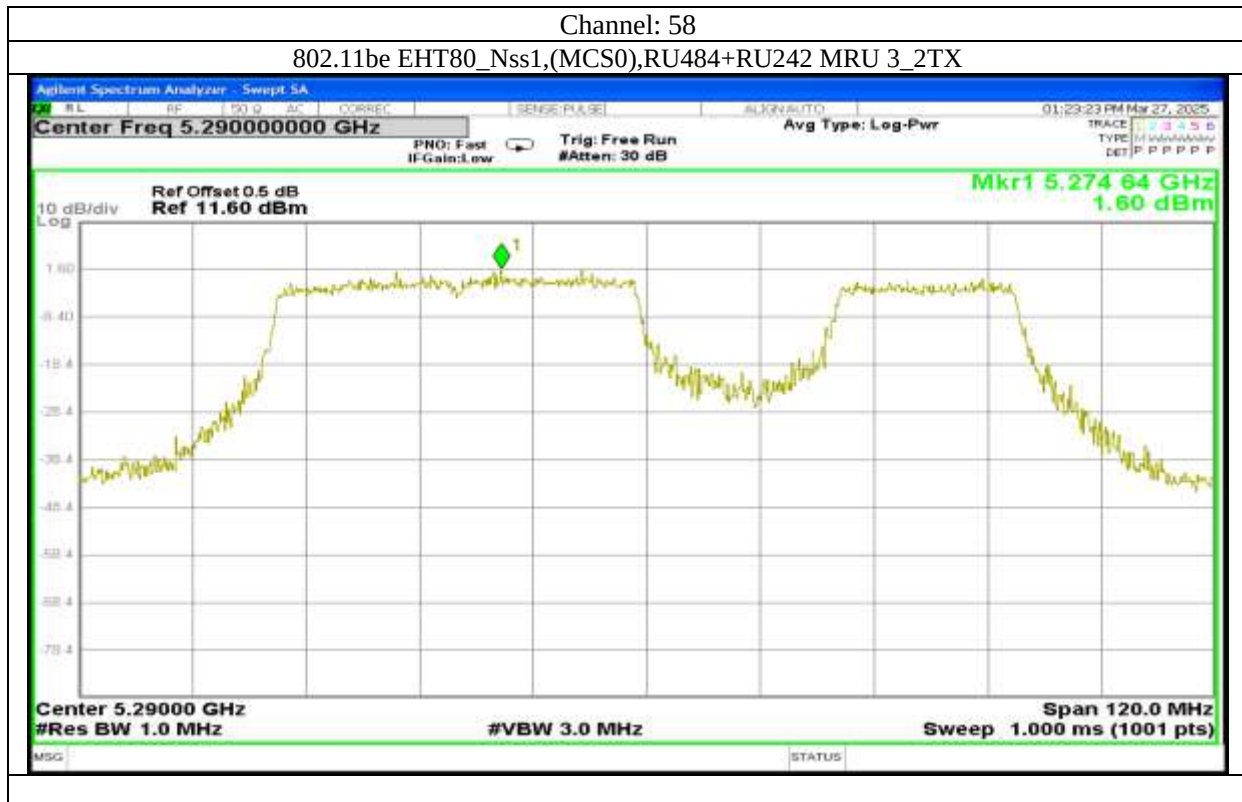
Report No.: AAEMT/RF/250131-01-02

802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Channel: 58

802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



Report No.: AAEMT/RF/250131-01-02

802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02

Channel: 106

802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02

Channel: 122

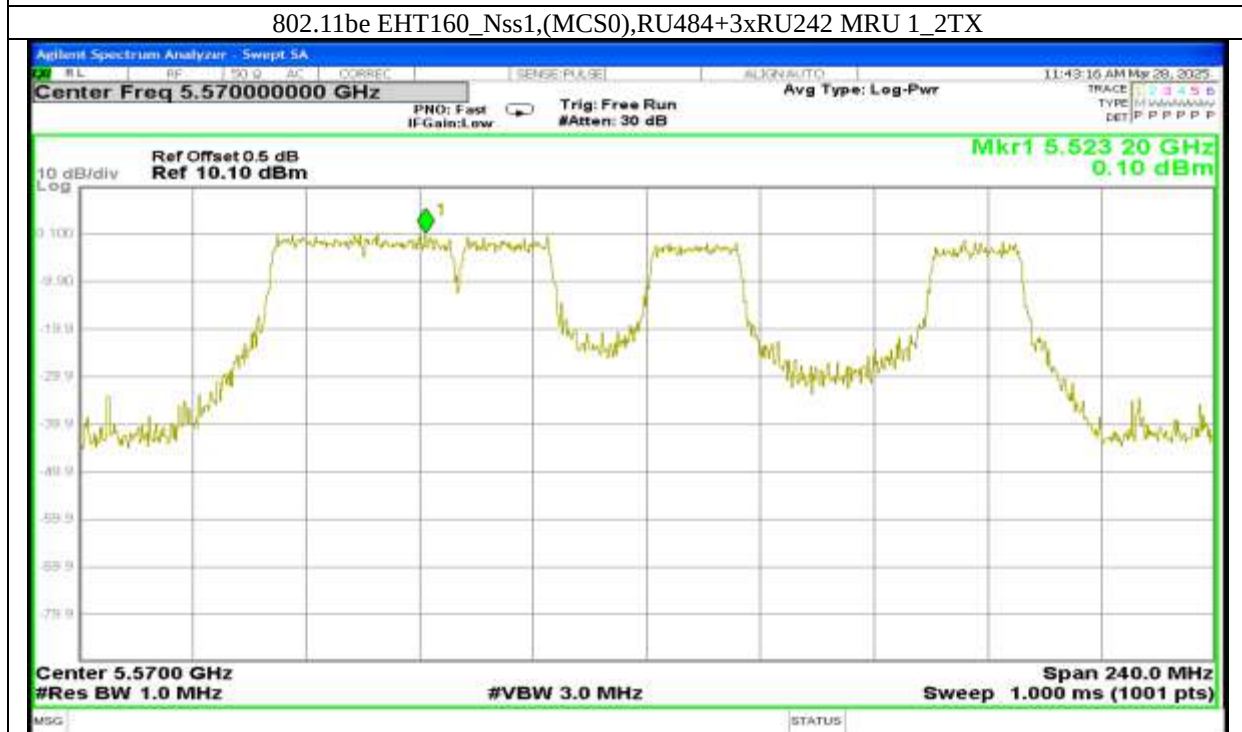
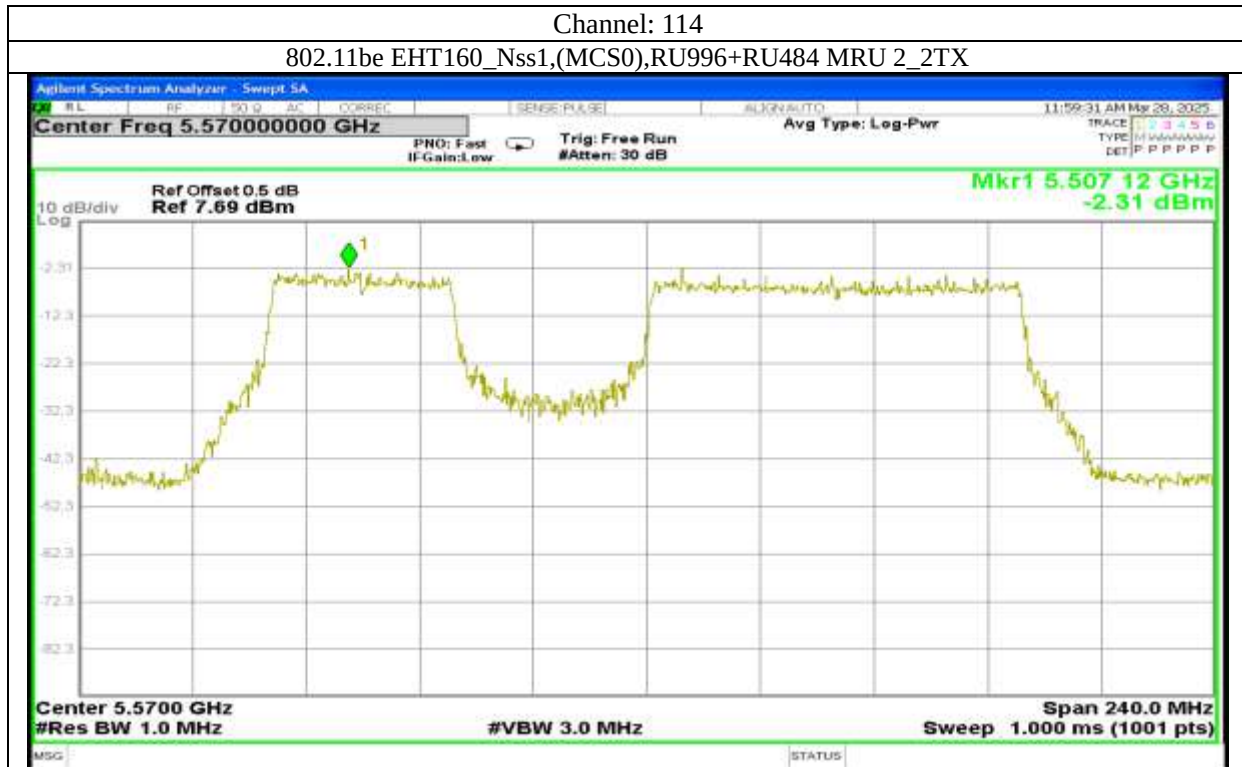
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX



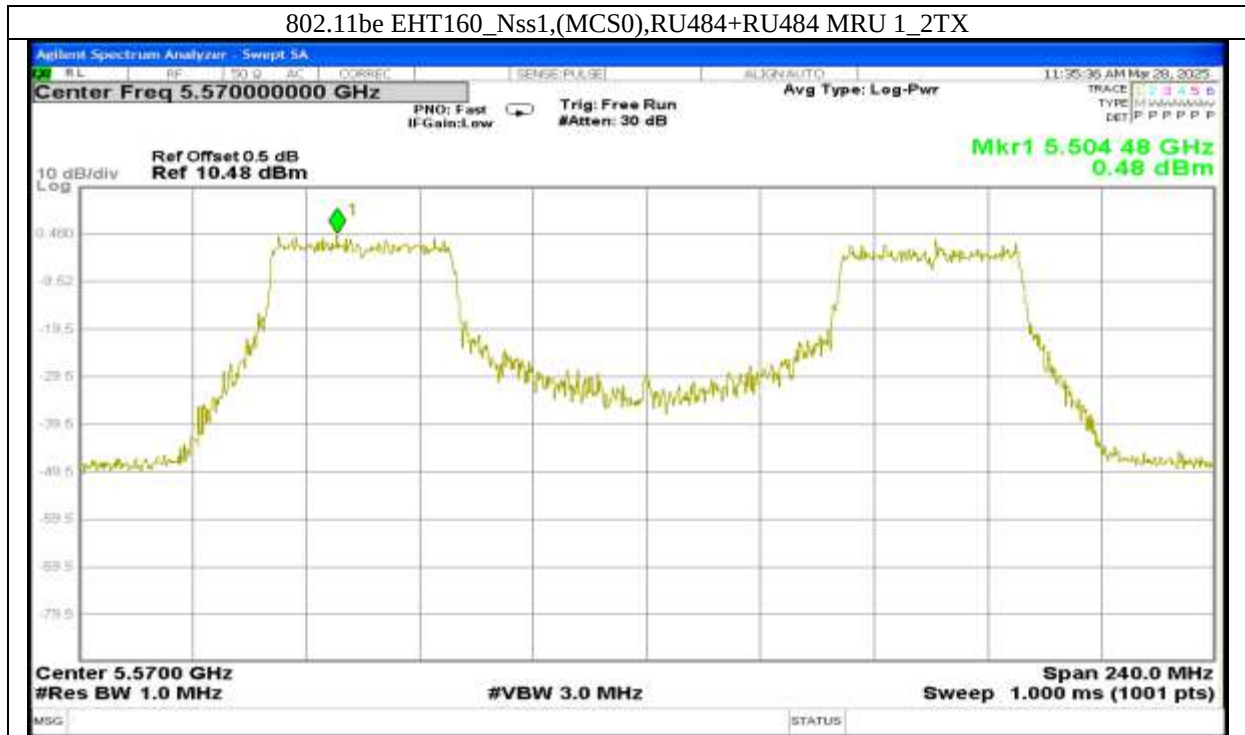
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX



Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02



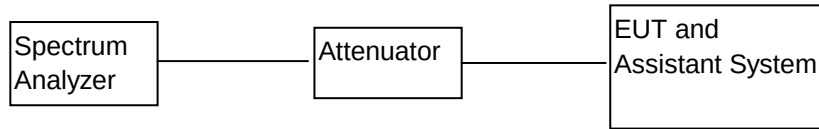
Report No.: AAEMT/RF/250131-01-02



Report No.: AAEMT/RF/250131-01-02

5. 6dB, 26 dB & 99% Emission Bandwidth

5.1. BLOCK DIAGRAM OF TEST SETUP



5.2. APPLIED PROCEDURES / LIMIT

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

5.3. TEST PROCEDURE

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- 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%.

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.
- Set RBW = 1 % to 5 % of the OBW
- Set $VBW \geq 3 \cdot RBW$
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99 % power bandwidth function of the instrument (if available).
- If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

5.4. TEST RESULT

Antenna 0:

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)					99% Occupied Bandwidth (MHz)				
		802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)	802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)
36	5180.00	22.560	22.800	23.250	22.230	22.770	16.761	17.896	17.854	19.034	19.049
40	5200.00	22.200	22.680	22.380	22.680	22.740	16.745	17.908	17.903	19.049	19.065
48	5240.00	22.050	22.800	23.070	22.950	23.010	16.792	17.910	17.882	19.028	19.038
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)					99% Occupied Bandwidth (MHz)				
		802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)	802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)
52	5260.00	22.170	22.800	22.980	22.200	22.200	16.756	17.852	17.860	19.045	19.048
60	5300.00	22.140	22.410	23.010	21.990	23.070	16.762	17.881	17.870	19.049	19.020
64	5320.00	22.080	22.590	23.040	22.710	22.080	16.777	17.891	17.898	19.054	19.056
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)					99% Occupied Bandwidth (MHz)				
		802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)	802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)
100	5500.00	20.280	22.350	22.500	22.830	22.770	16.547	17.887	17.902	19.050	18.977
116	5580.00	21.930	21.840	22.230	22.470	22.710	16.695	17.835	17.831	19.042	19.031
140	5700.00	22.200	23.100	22.710	22.740	22.260	16.744	17.881	17.872	19.017	19.037
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)					99% Occupied Bandwidth (MHz)				
		802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)	802.11 a	802.11 n (HT20)	802.11 ac (VHT20)	802.11 ax (HE20)	802.11 be (EHT20)
149	5745.00	15.720	17.670	17.640	19.050	18.990	16.720	17.825	17.861	19.028	19.009
157	5785.00	15.780	17.340	17.640	18.300	19.020	16.773	17.884	17.912	19.020	19.066
165	5825.00	15.720	17.640	16.710	18.360	19.140	16.850	17.923	17.904	19.034	19.026

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)
38	5190.00	44.400	43.260	42.840	43.080	36.379	36.363	37.860	37.890
46	5230.00	44.520	43.740	42.420	42.840	36.382	36.385	37.837	37.875
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)
54	5270.00	43.800	43.740	42.900	42.600	36.311	36.336	37.851	37.867
62	5310.00	43.260	43.800	42.900	43.620	36.301	36.350	37.830	37.827
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)
102	5510.00	44.160	44.460	43.080	43.920	36.335	36.346	37.896	37.879
110	5550.00	43.440	44.160	43.800	43.440	36.358	36.410	37.882	37.935
134	5670.00	44.220	44.220	42.240	43.020	36.303	36.312	37.835	37.857
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)	802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)	802.11be (EHT40)
151	5755.00	36.000	36.060	37.740	38.100	36.382	36.473	37.928	37.895
159	5795.00	36.360	35.160	38.100	36.900	36.365	36.410	37.874	37.917

Report No.: AAEMT/RF/250131-01-02

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)	802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)
42	5210.00	89.760	86.400	86.640	76.098	77.734	77.594
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)	802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)
58	5290.00	89.400	87.120	86.160	75.881	77.478	77.379
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)	802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)
106	5530.00	88.560	85.560	83.880	75.982	77.571	77.547
122	5610.00	90.480	85.680	87.600	76.159	77.620	77.729
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)			99% Occupied Bandwidth (MHz)		
		802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)	802.11ac (VHT80)	802.11ax (HE80)	802.11be (EHT80)
155	5775.00	76.200	76.800	77.880	76.091	77.632	77.578

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)	
		802.11ax (HE160)	802.11be (EHT160)	802.11ax (HE160)	802.11be (EHT160)
114	5570.00	171.600	176.160	156.870	156.870

Report No.: AAEMT/RF/250131-01-02

MRU Antenna 0:

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
		802.11be (EHT80)	802.11be (EHT80)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX mode			
42	5210.00	85.440	77.981
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX mode			
42	5210.00	88.920	78.341
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
		802.11be (EHT80)	802.11be (EHT80)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX mode			
58	5290.00	88.440	78.085
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX mode			
58	5290.00	86.280	78.329
CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
		802.11be (EHT80)	802.11be (EHT80)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX mode			
106	5530.00	84.960	77.858
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX mode			
106	5530.00	86.640	78.211
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX mode			
122	5610.00	87.120	78.122
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX mode			
122	5610.00	87.120	78.351
CH. No.	Frequency (MHz)	6dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
		802.11be (EHT80)	802.11be (EHT80)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX			
155	5775.00	78.240	78.001
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX			
155	5775.00	78.240	78.243

Report No.: AAEMT/RF/250131-01-02

CH. No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
		802.11be (EHT160)	802.11be (EHT160)
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX mode			
114	5570.00	174.240	157.490
802.11be EHT160_Nss1,(MCS0),RU484+3xRU242 MRU 1_2TX mode			
114	5570.00	173.040	157.971
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_2TX mode			
114	5570.00	175.440	158.313