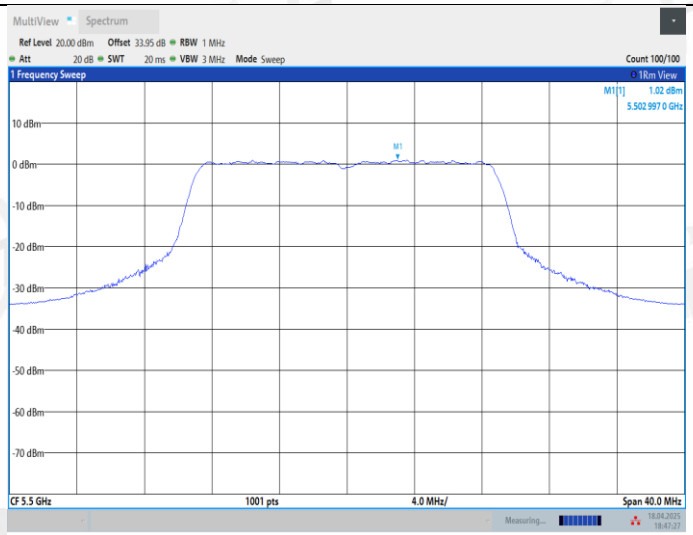
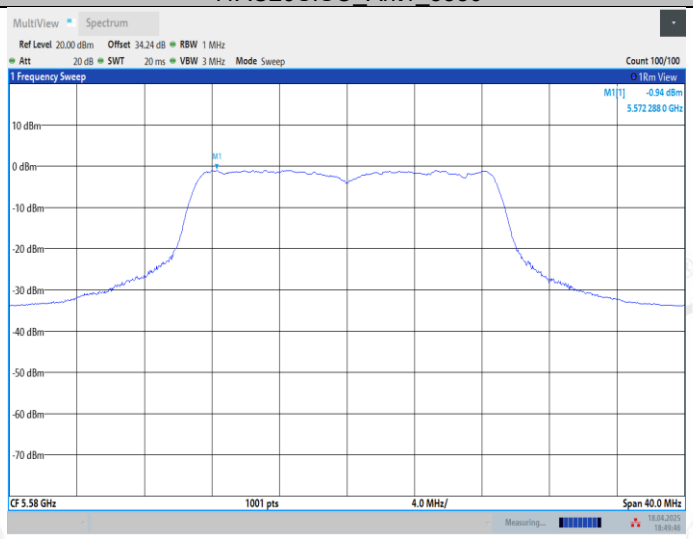
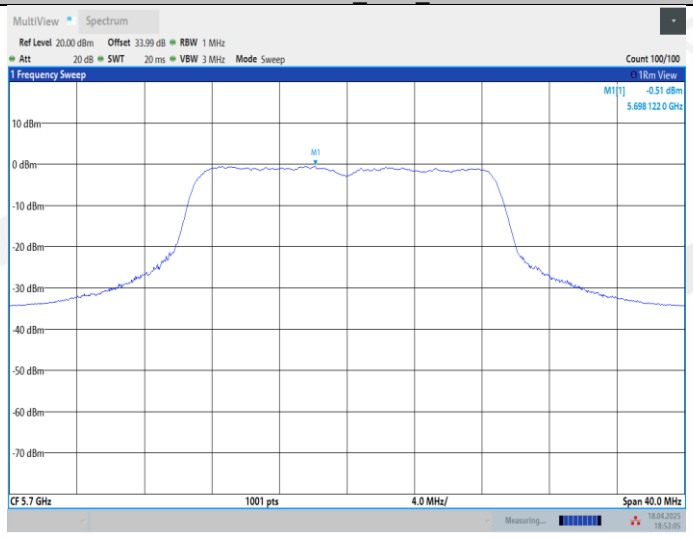


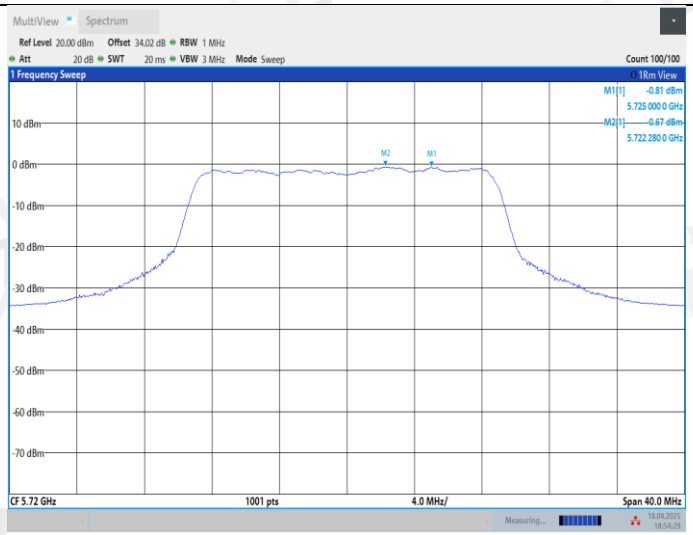
11AC20SISO_Ant1_5580



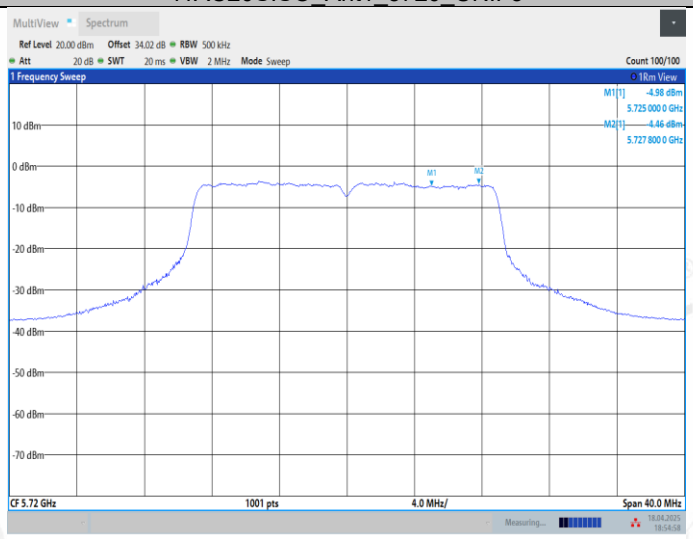
11AC20SISO_Ant1_5700



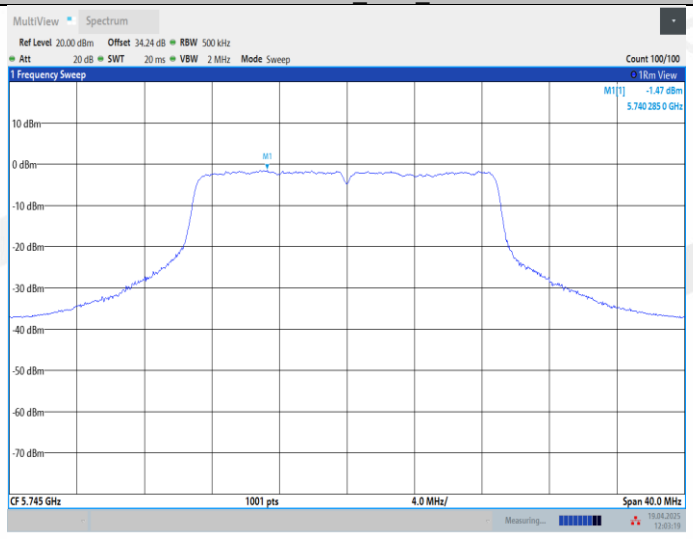
11AC20SISO_Ant1_5720_UNII-2C



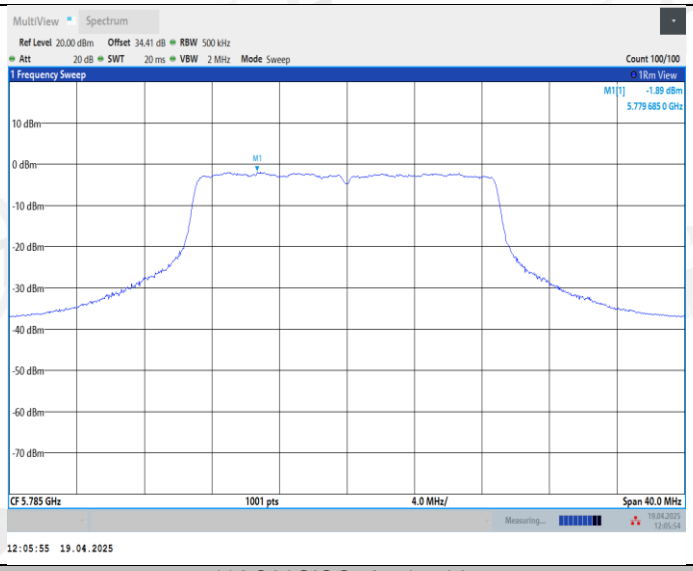
11AC20SISO_Ant1_5720_UNII-3



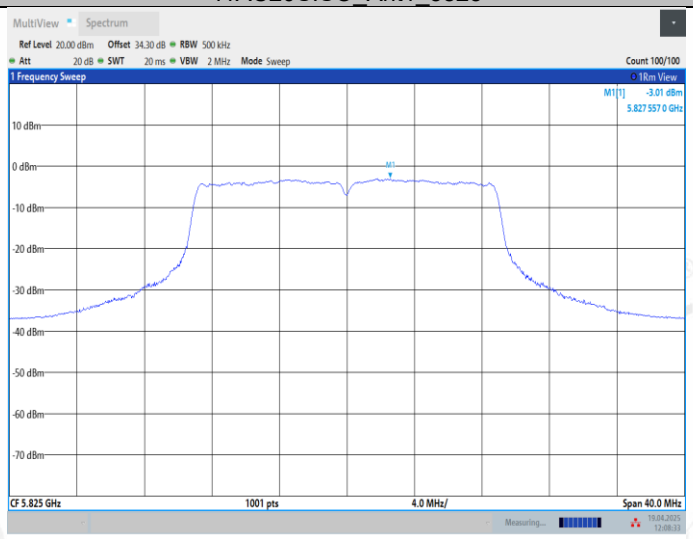
11AC20SISO_Ant1_5745



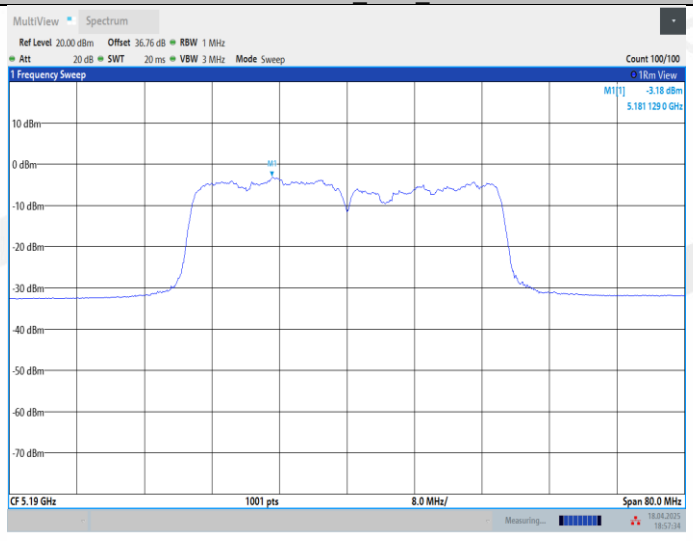
11AC20SISO_Ant1_5785



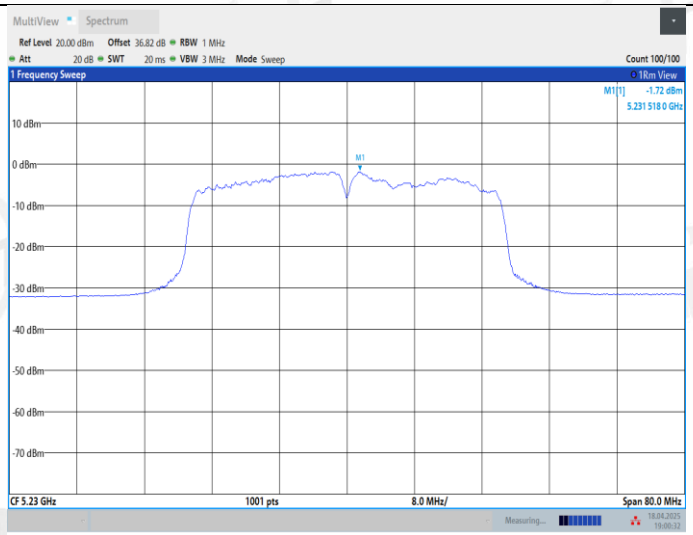
11AC20SISO_Ant1_5825



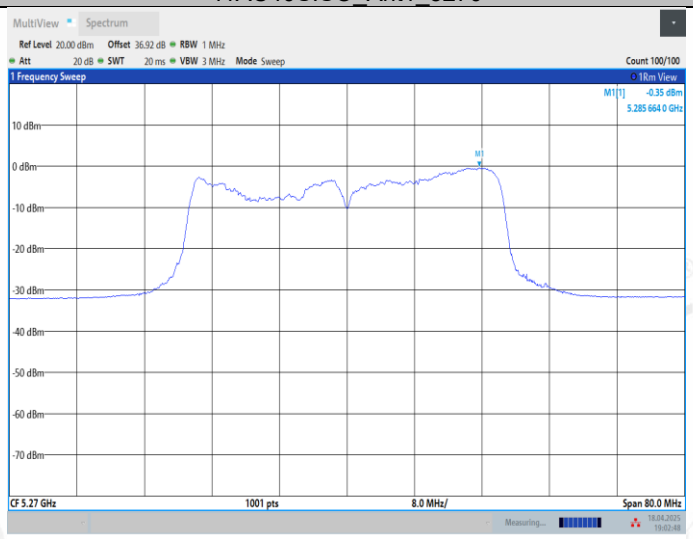
11AC40SISO_Ant1_5190



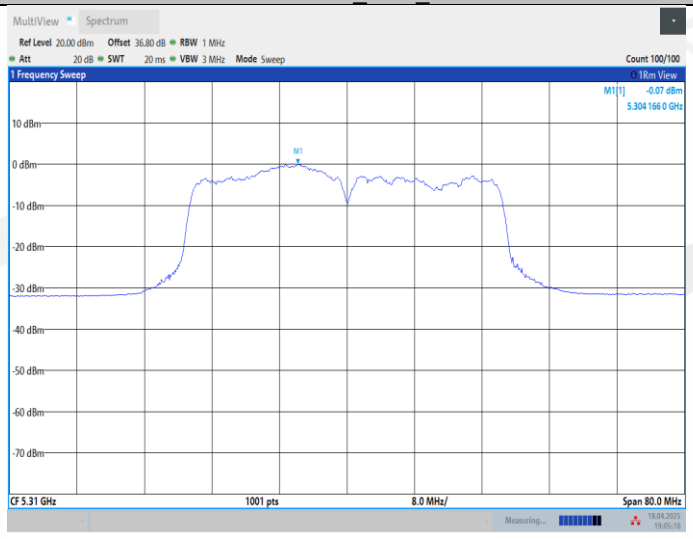
11AC40SISO_Ant1_5230



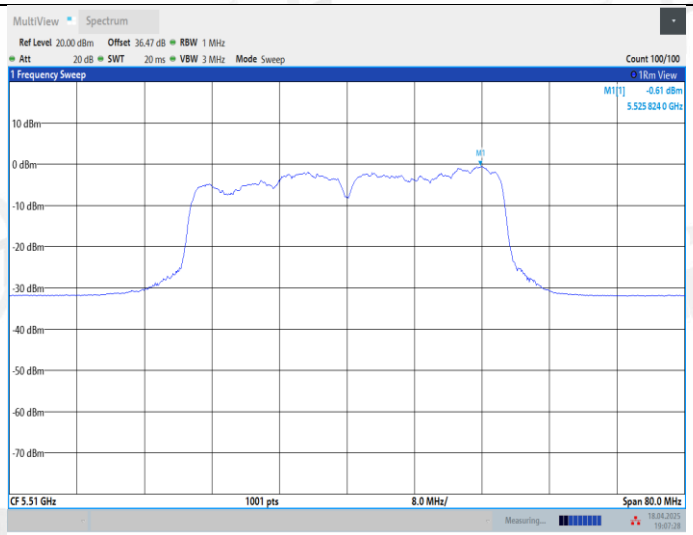
11AC40SISO_Ant1_5270



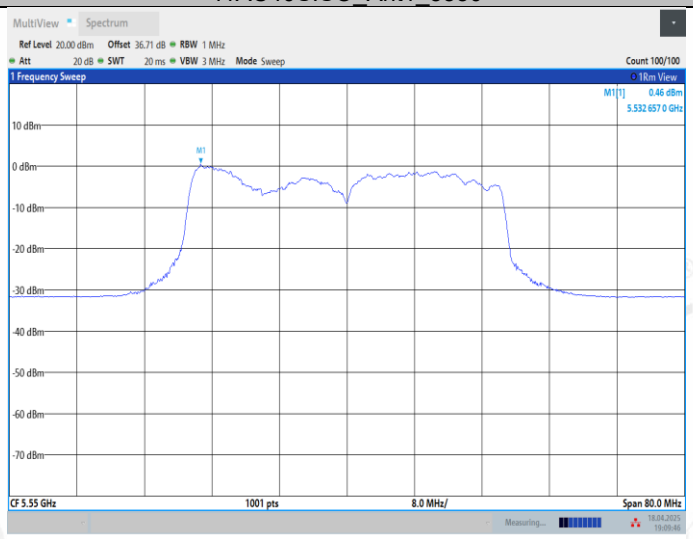
11AC40SISO_Ant1_5310



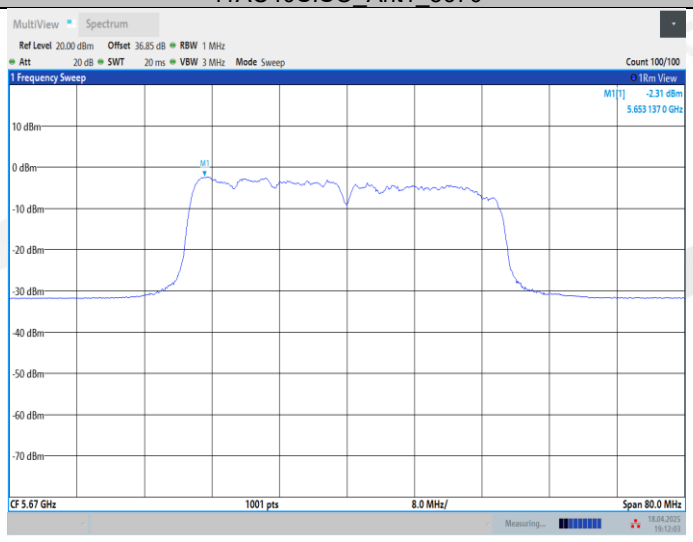
11AC40SISO_Ant1_5510



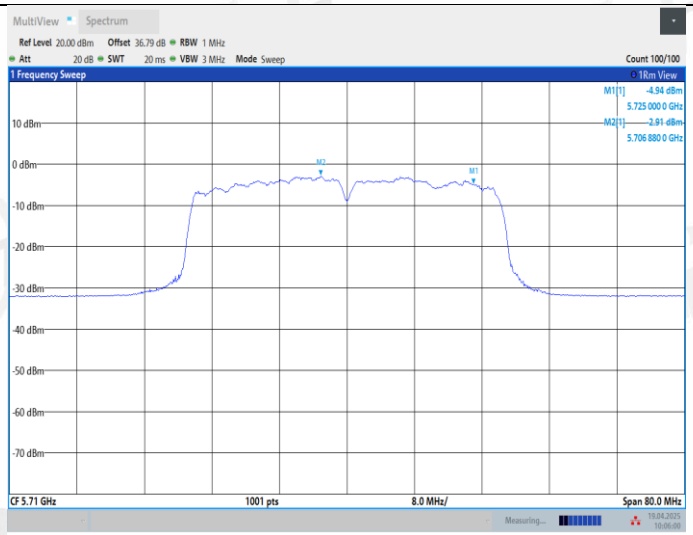
11AC40SISO_Ant1_5550



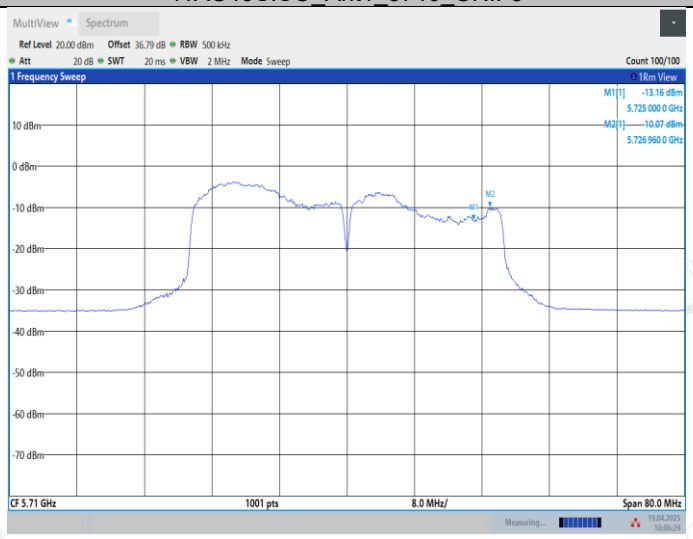
11AC40SISO_Ant1_5670



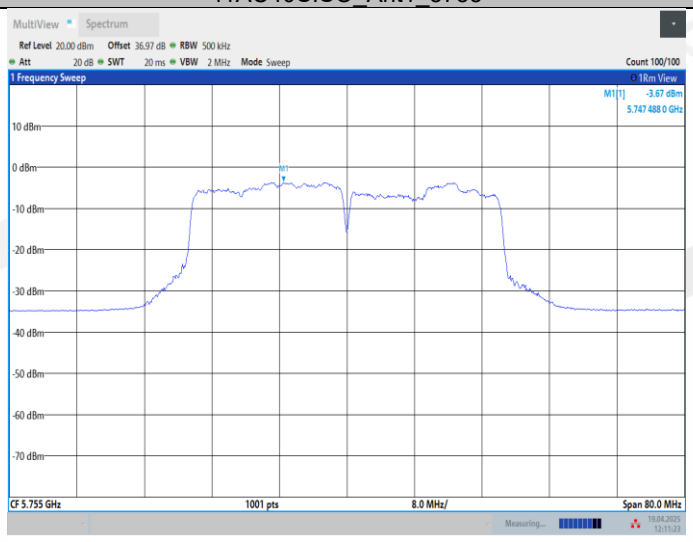
11AC40SISO_Ant1_5710_UNII-2C



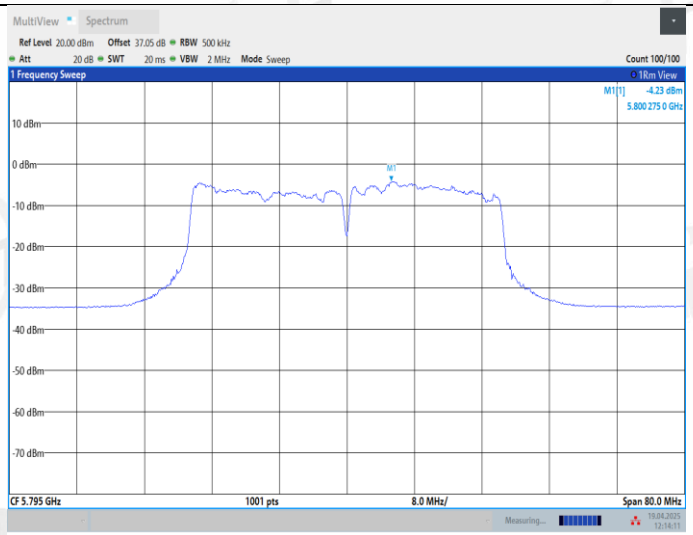
11AC40SISO_Ant1_5710_UNII-3



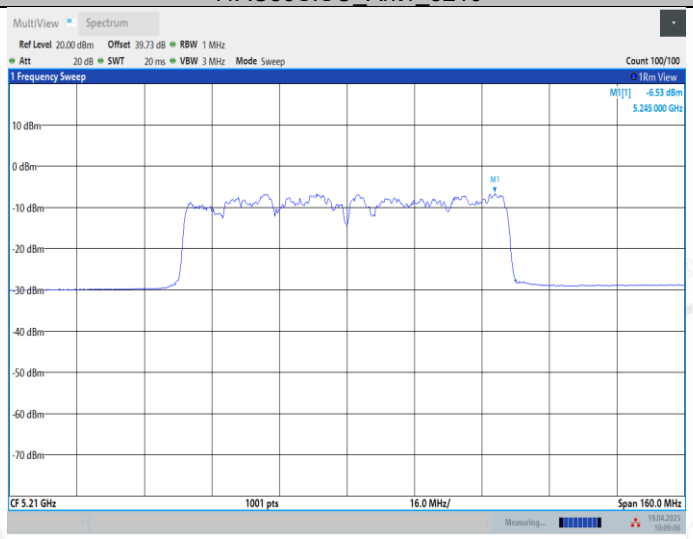
11AC40SISO_Ant1_5755



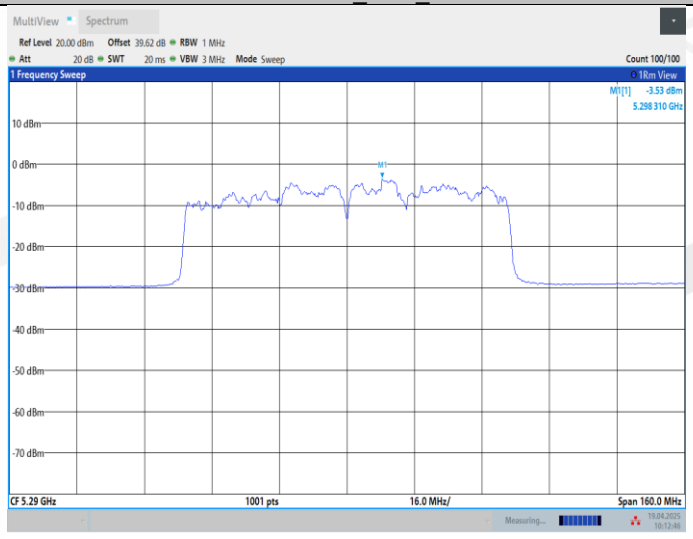
11AC40SISO_Ant1_5795



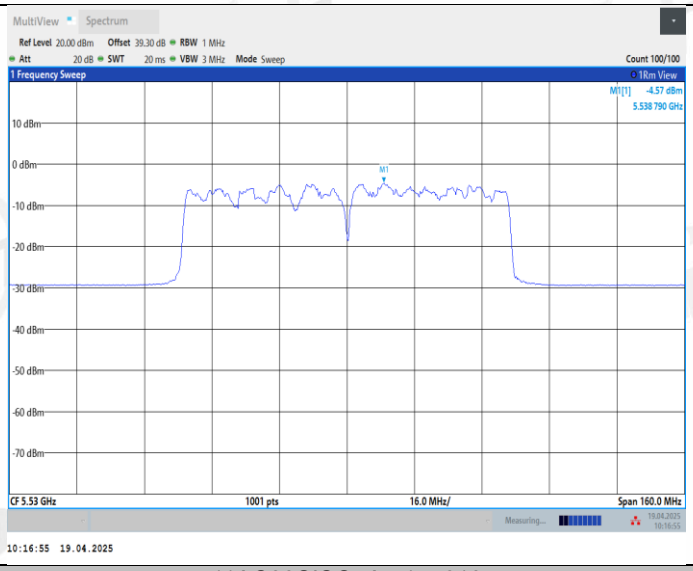
11AC80SISO_Ant1_5210



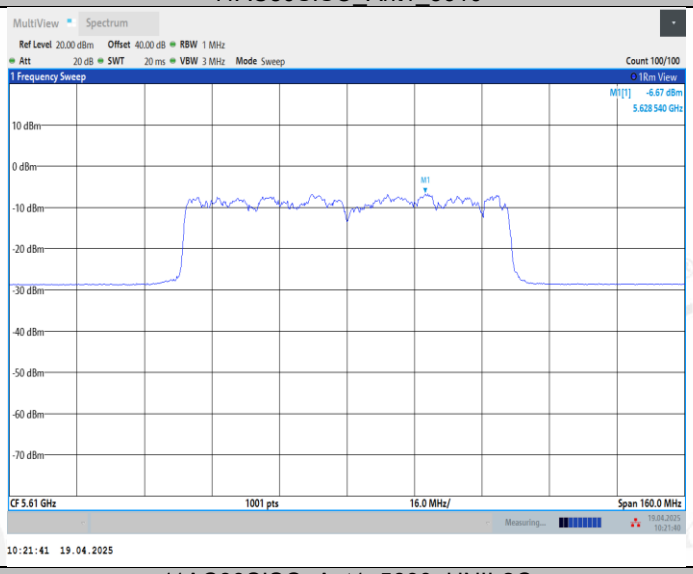
11AC80SISO_Ant1_5290



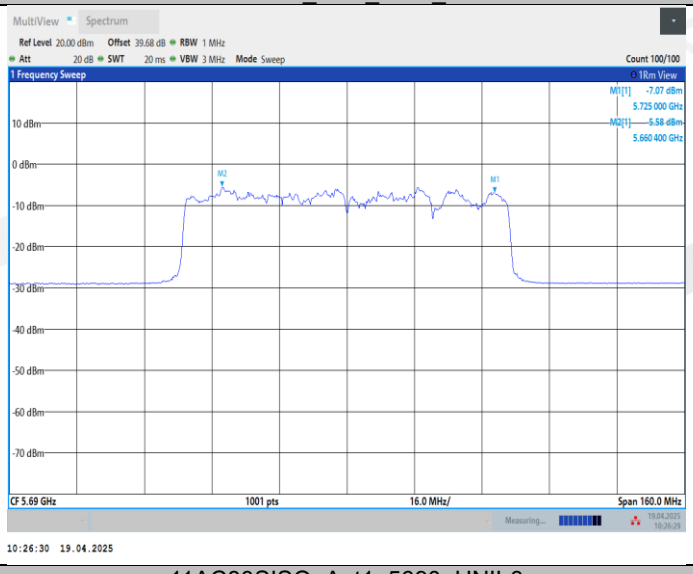
11AC80SISO_Ant1_5530



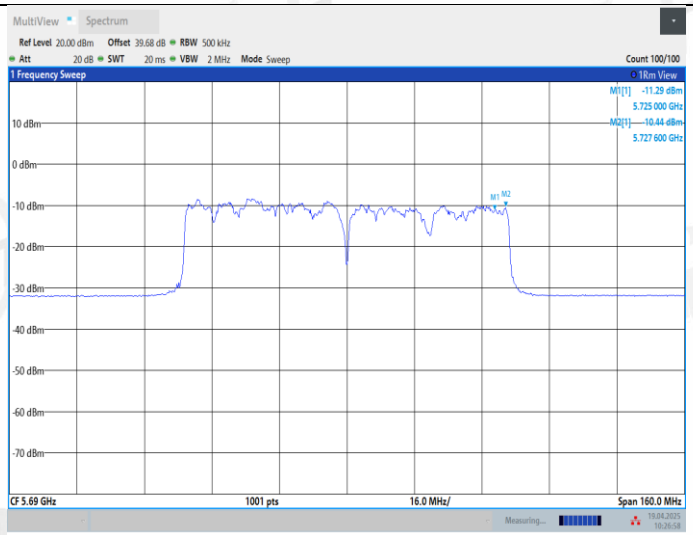
11AC80SISO_Ant1_5610



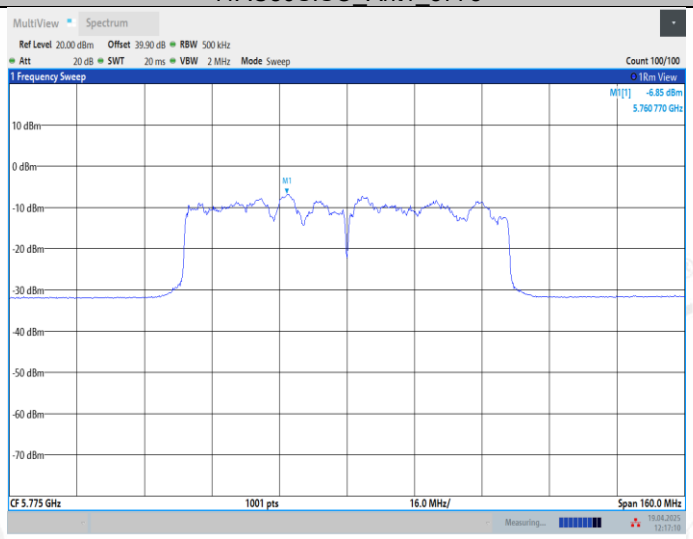
11AC80SISO_Ant1_5690_UNII-2C



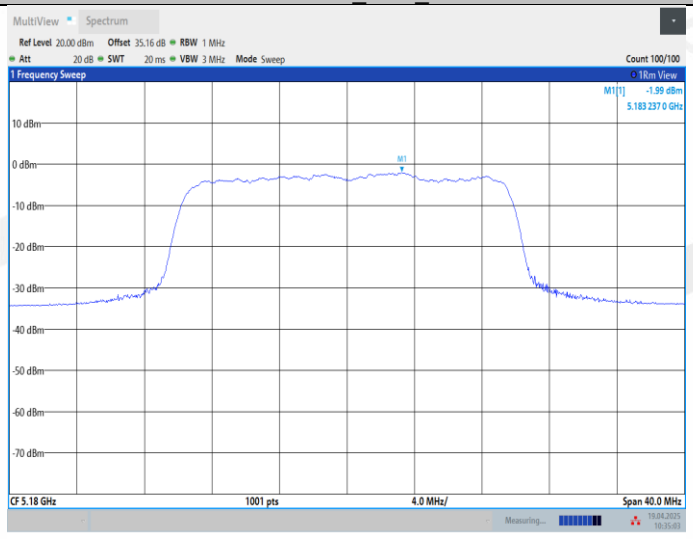
11AC80SISO_Ant1_5690_UNII-3



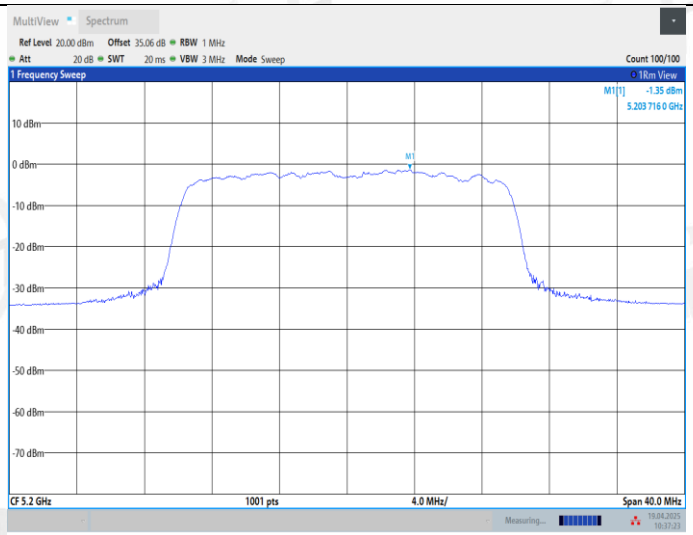
11AC80SISO_Ant1_5775



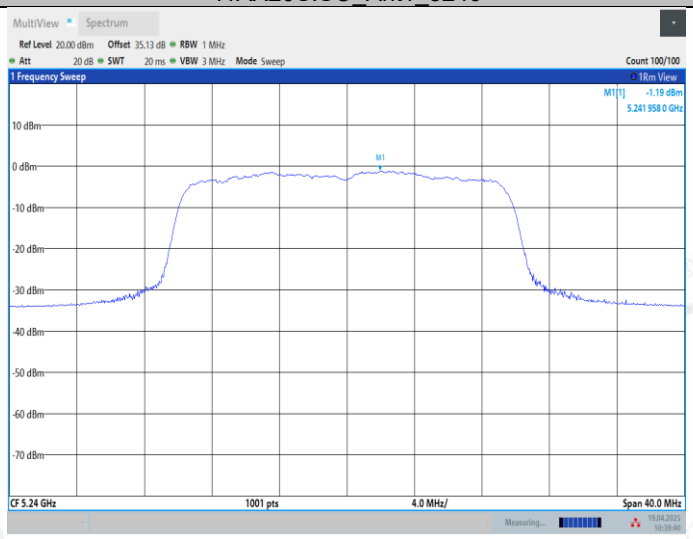
11AX20SISO_Ant1_5180



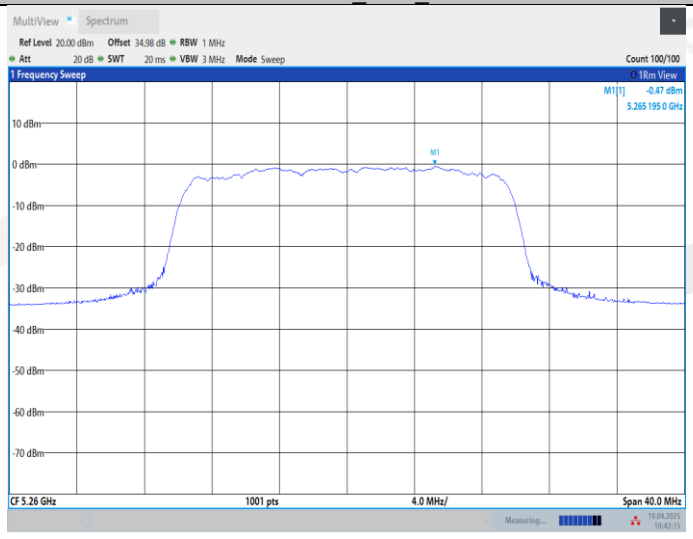
11AX20SISO_Ant1_5200



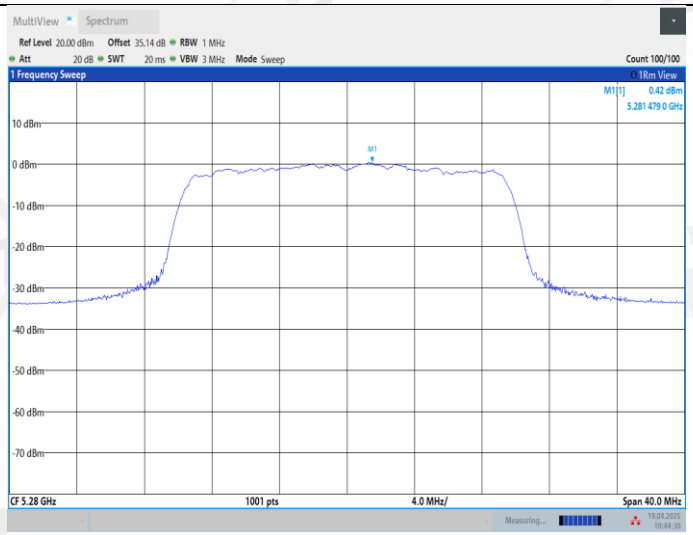
11AX20SISO_Ant1_5240



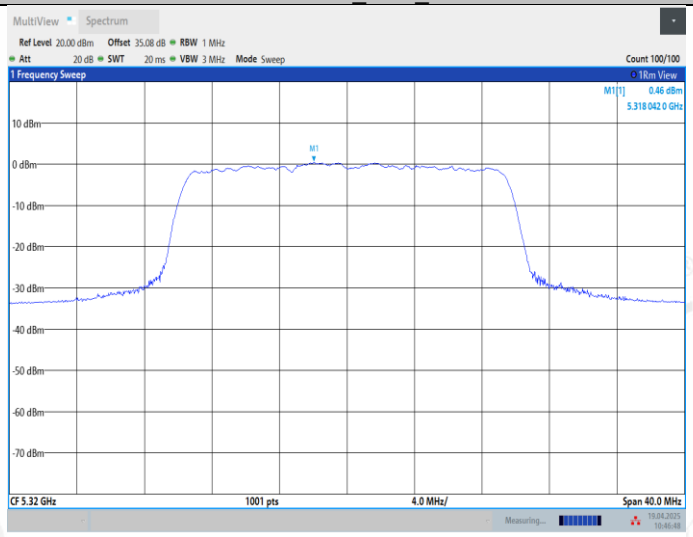
11AX20SISO_Ant1_5260



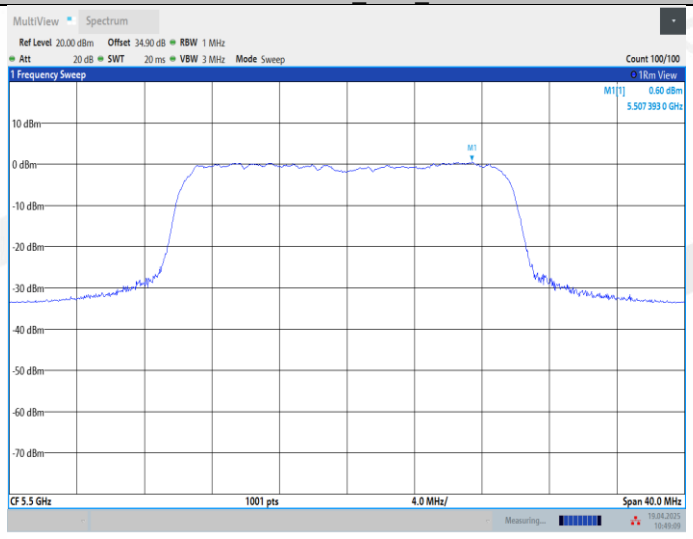
11AX20SISO_Ant1_5280



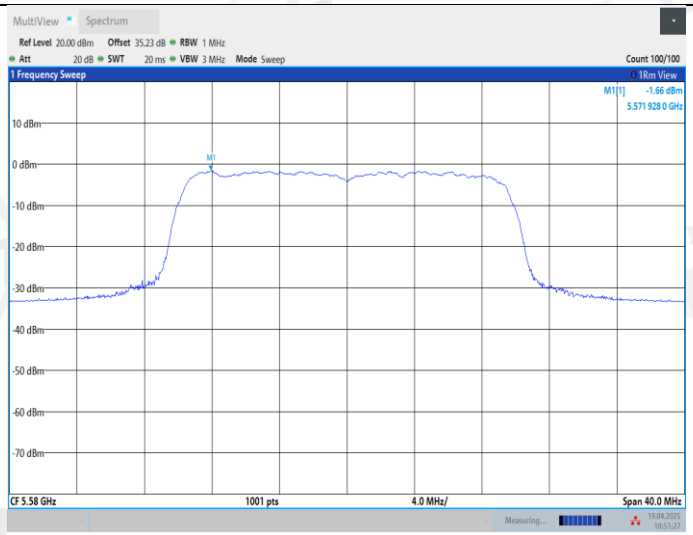
11AX20SISO_Ant1_5320



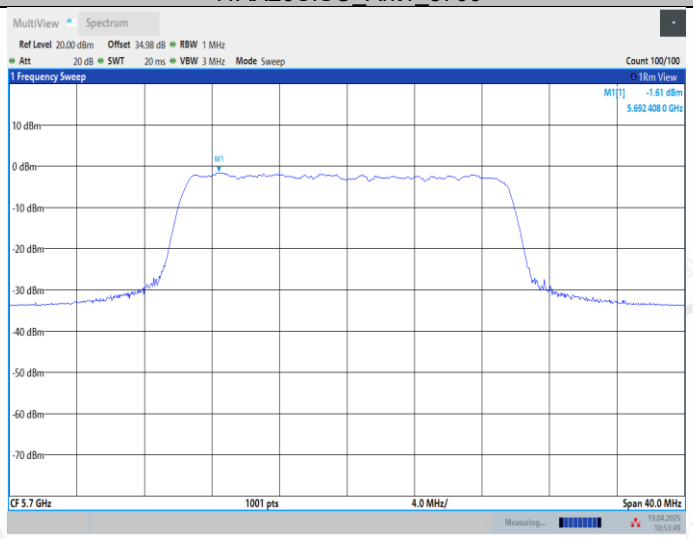
11AX20SISO_Ant1_5500



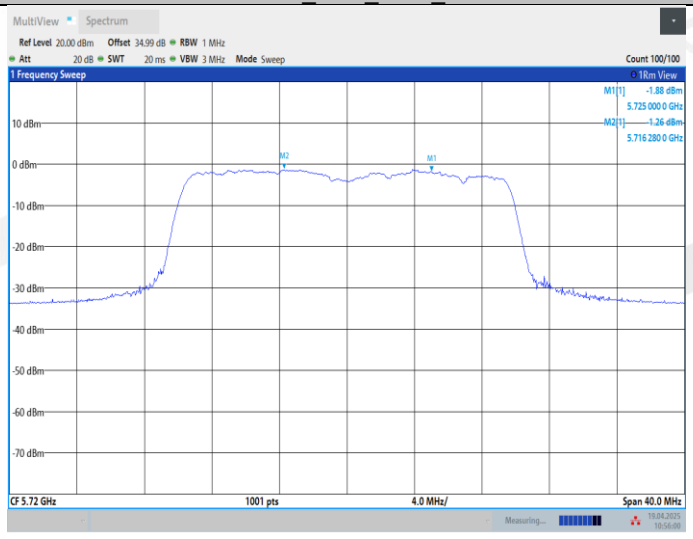
11AX20SISO_Ant1_5580



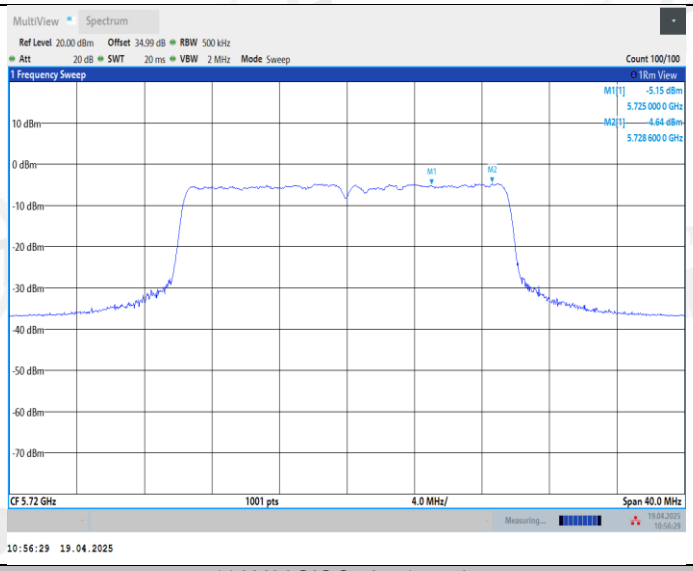
11AX20SISO_Ant1_5700



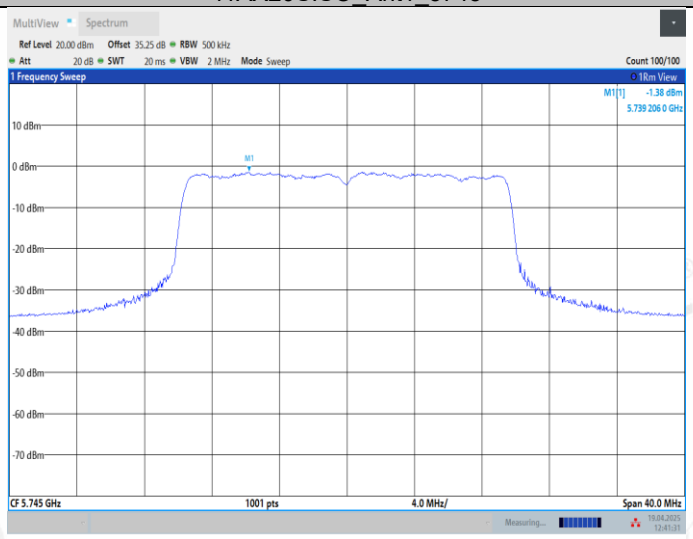
11AX20SISO_Ant1_5720_UNII-2C



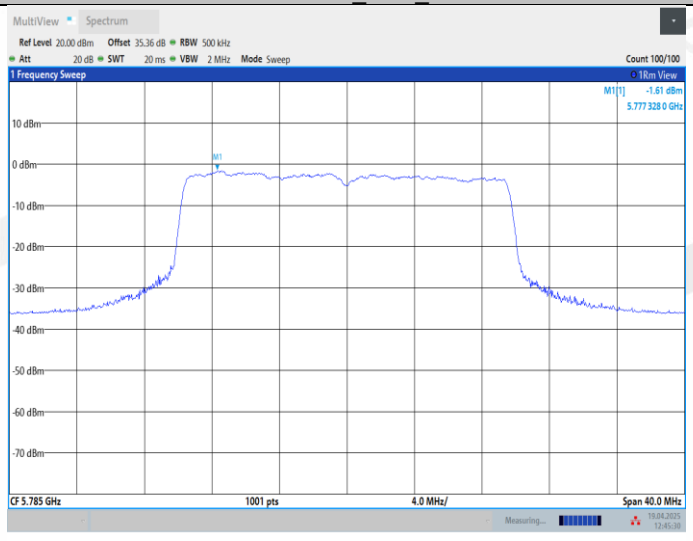
11AX20SISO_Ant1_5720_UNII-3



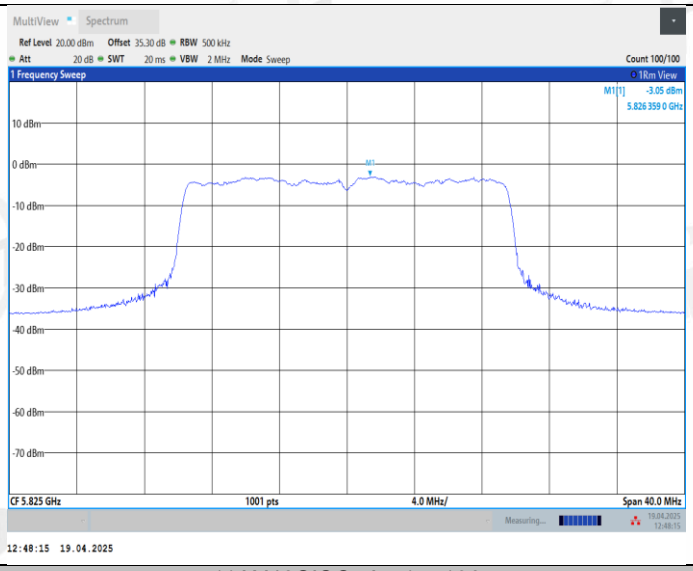
11AX20SISO_Ant1_5745



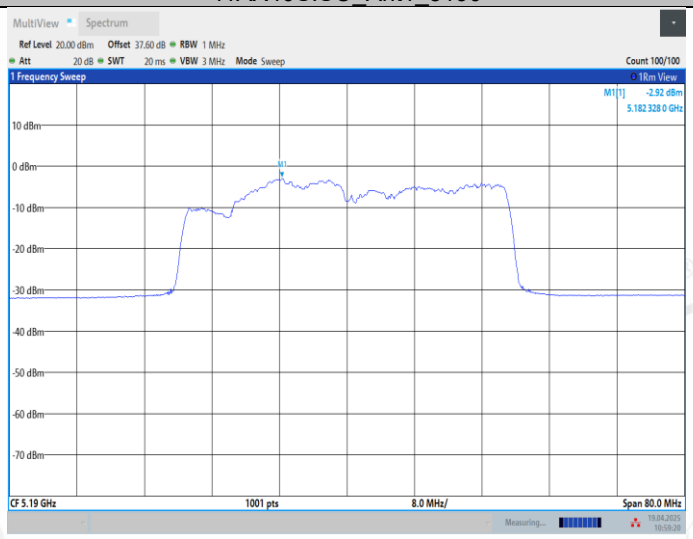
11AX20SISO_Ant1_5785



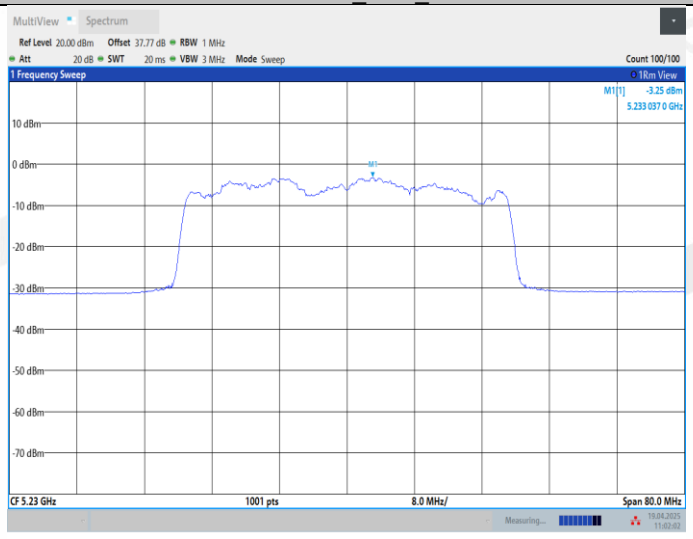
11AX20SISO_Ant1_5825



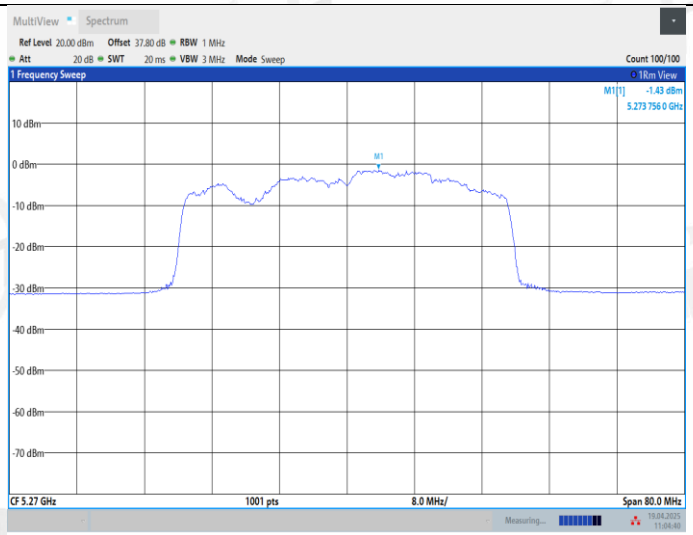
11AX40SISO_Ant1_5190



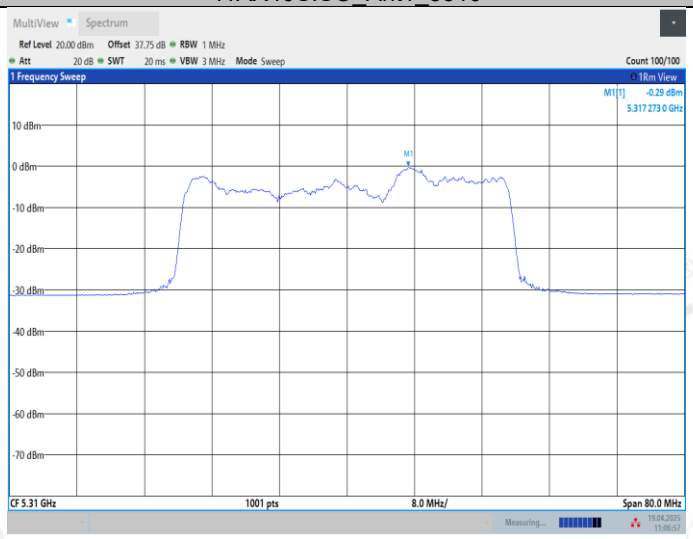
11AX40SISO_Ant1_5230



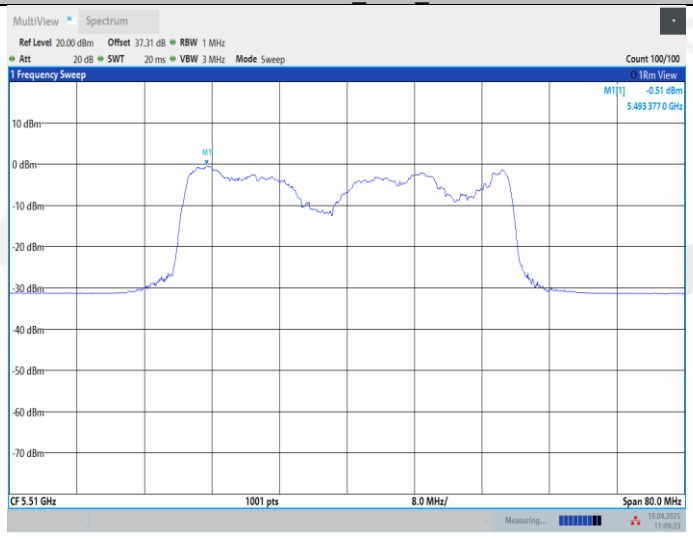
11AX40SISO_Ant1_5270



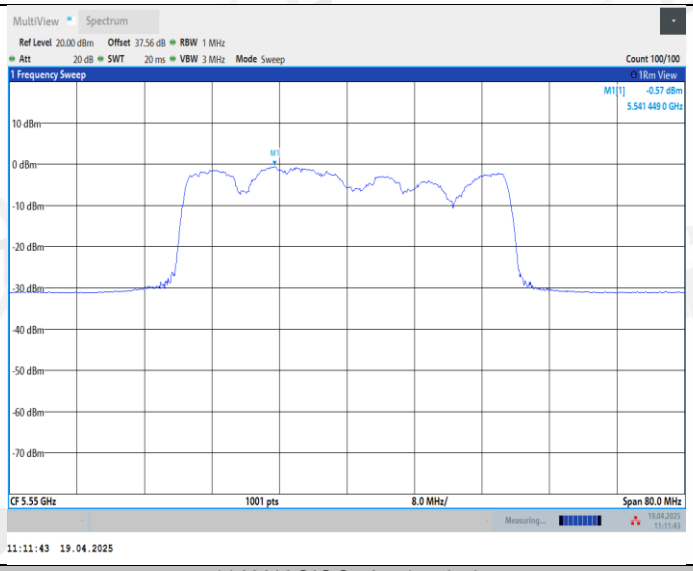
11AX40SISO_Ant1_5310



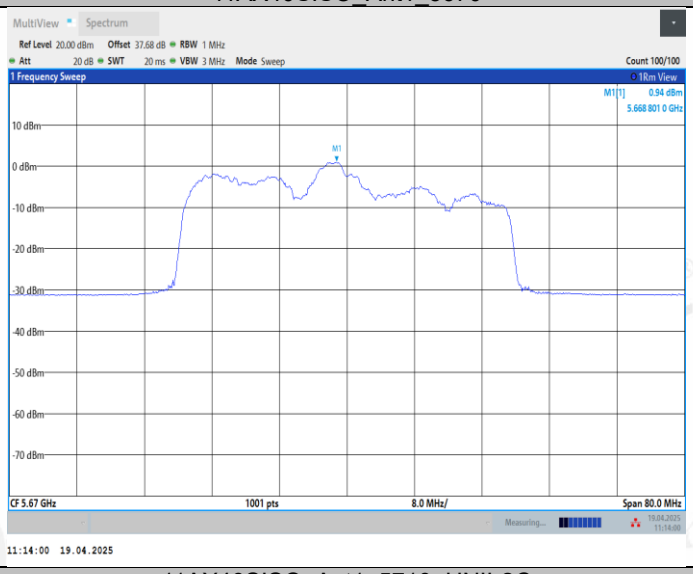
11AX40SISO_Ant1_5510



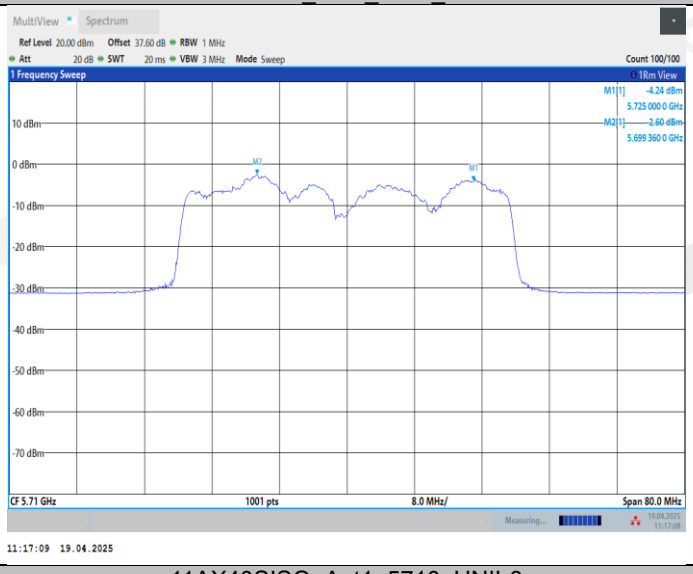
11AX40SISO_Ant1_5550



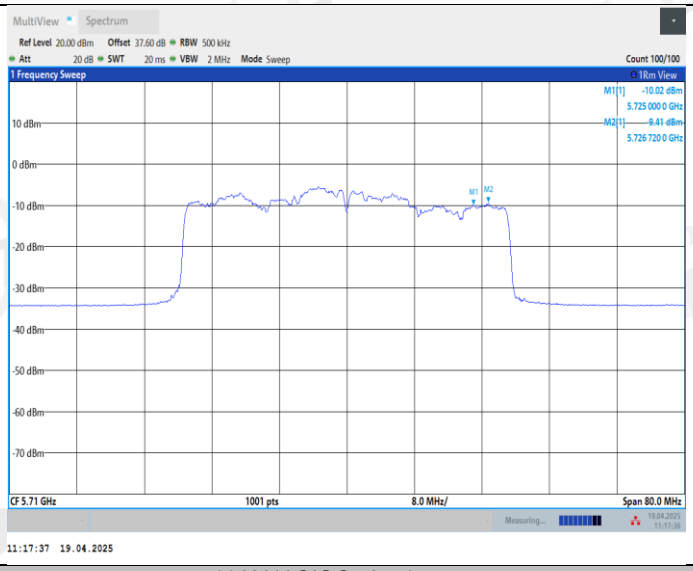
11AX40SISO_Ant1_5670



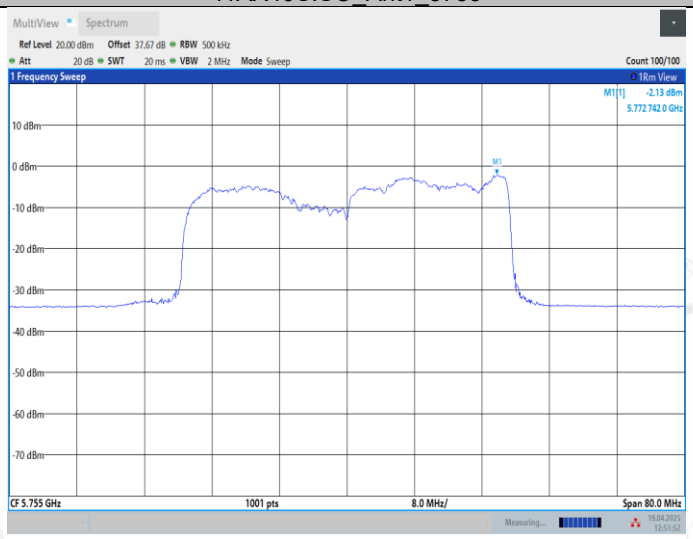
11AX40SISO_Ant1_5710_UNII-2C



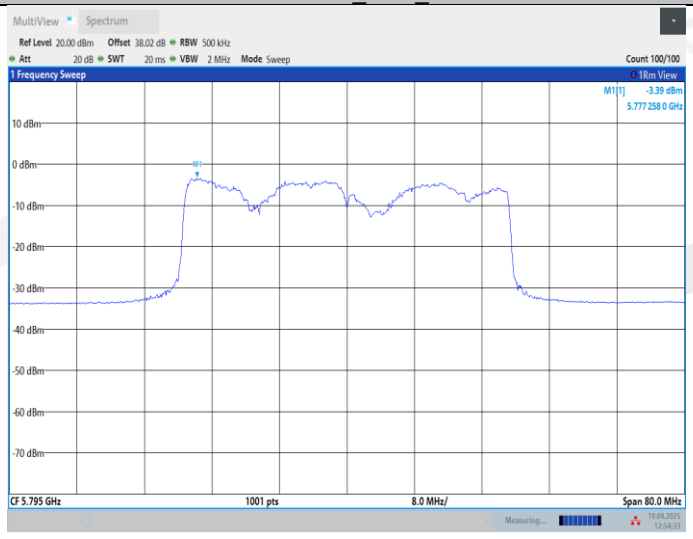
11AX40SISO_Ant1_5710_UNII-3



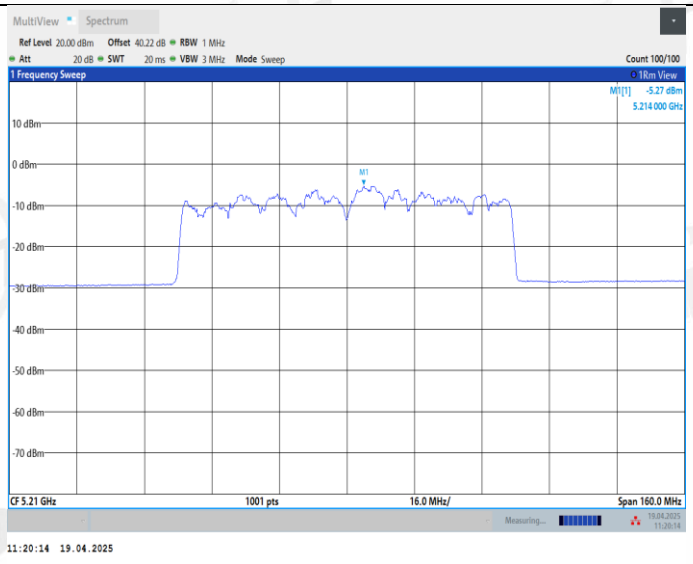
11AX40SISO_Ant1_5755



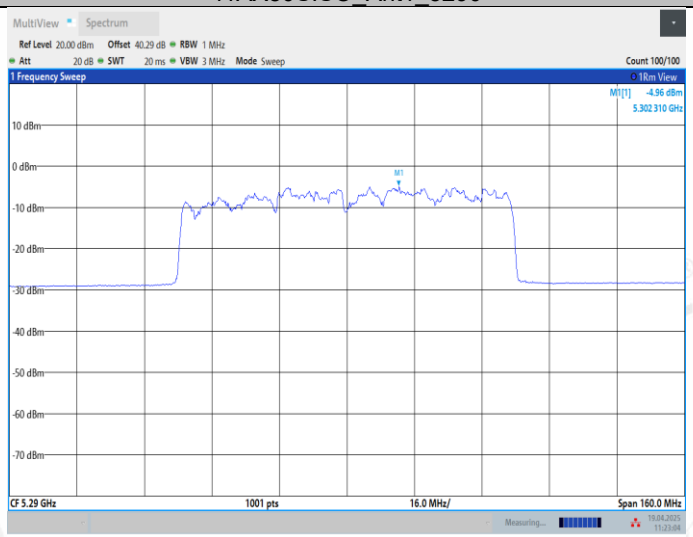
11AX40SISO_Ant1_5795



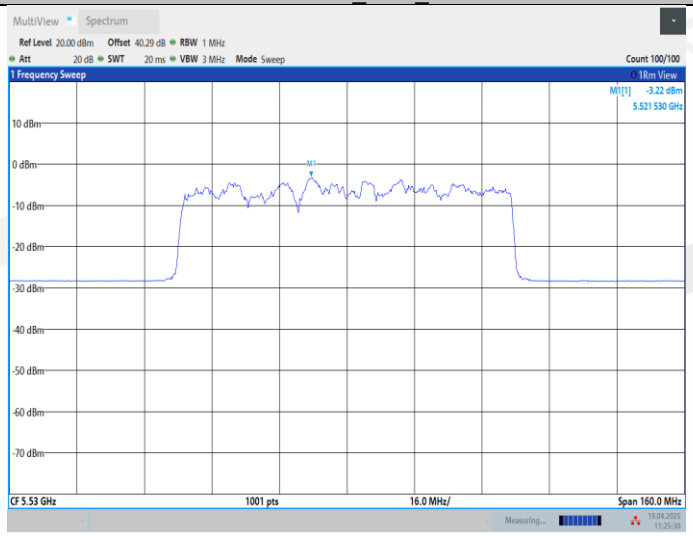
11AX80SISO_Ant1_5210



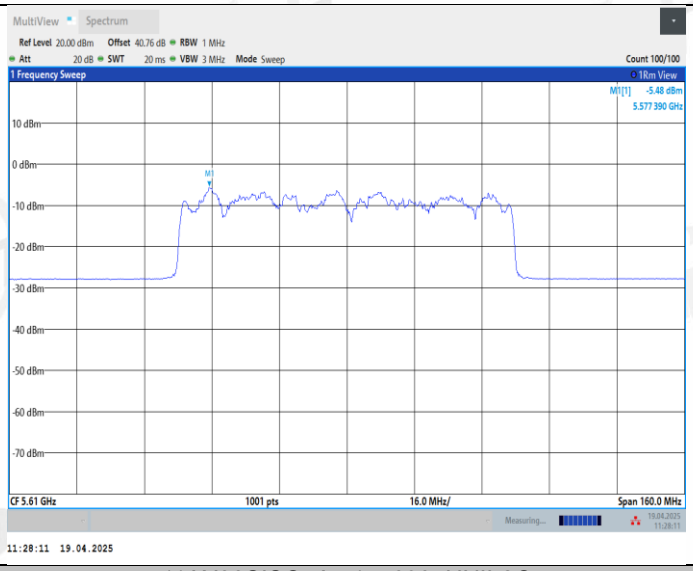
11AX80SISO_Ant1_5290



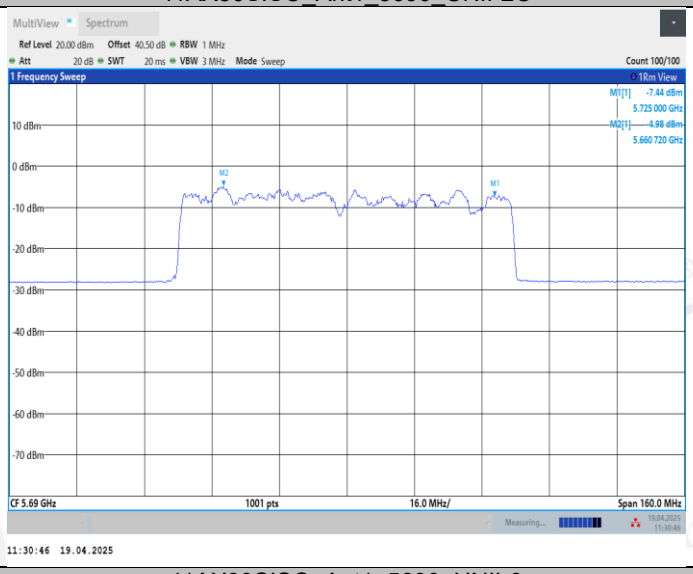
11AX80SISO_Ant1_5530



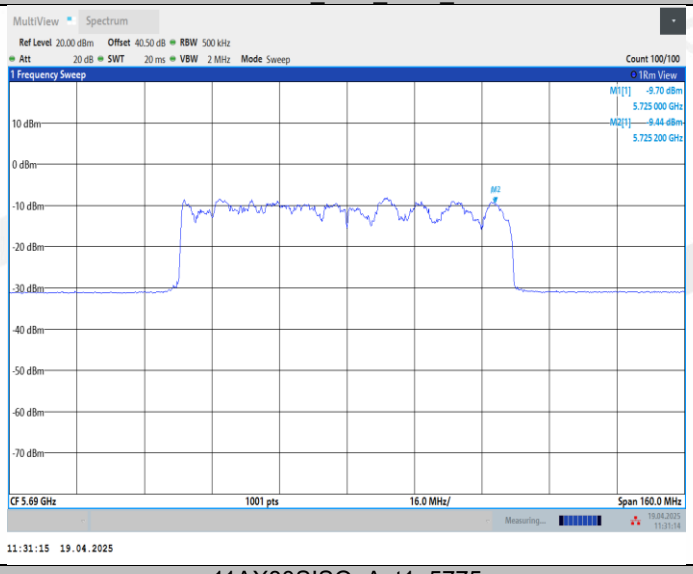
11AX80SISO_Ant1_5610



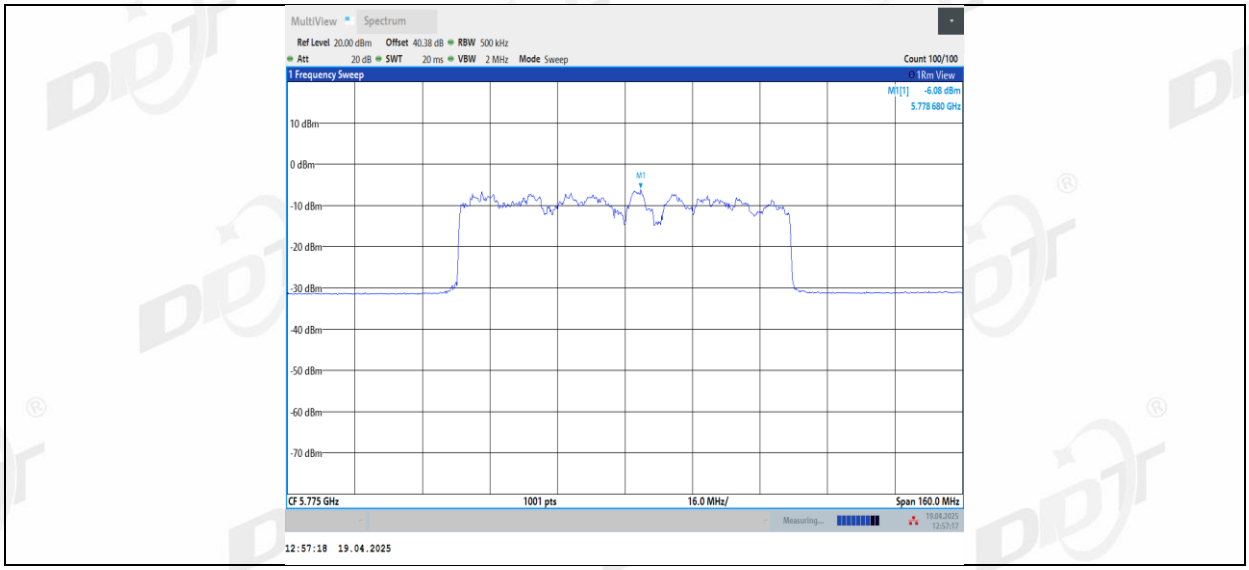
11AX80SISO_Ant1_5690_UNII-2C



11AX80SISO_Ant1_5690_UNII-3



11AX80SISO_Ant1_5775


MultiView
Spectrum
Ref Level 20.00 dBm Offset 40.38 dB RBW 500 kHz
Att 20 dB SWT 20 ms VBW 2 MHz Mode Sweep
Count 100/100
1 Frequency Sweep
1Rm View
M1[1] -6.08 dBm
5.778 680 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
CF 5.775 GHz
1001 pts
16.0 MHz/
Span 160.0 MHz
Measuring...
12:57:18 19.04.2025

10. Frequency Stability Measurement

10.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

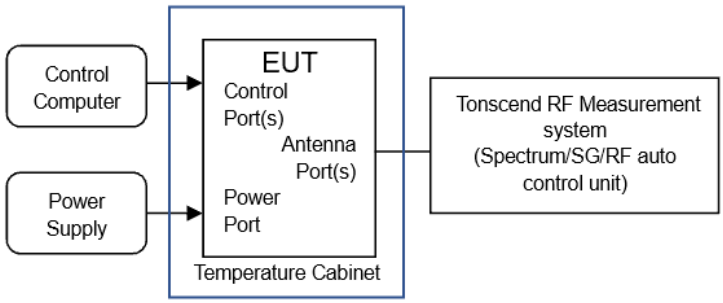
10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

10.3. Test procedures

(1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
(2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
(3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

10.4. Test setup



10.5. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.9℃,43.1%RH	Test Date:	2025.04.18-2025.04.19
Test Power Supply:	AC 120V/60Hz	Sample Number:	S25030626-003

Voltage								
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-60000.00	-11.583012	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
		5200	NV	NT	-100000.00	-19.230769	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	-40000.00	-7.692308	20	PASS
		5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
		5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-80000.00	-15.209125	20	PASS
			HV	NT	-60000.00	-11.406844	20	PASS
		5280	NV	NT	-60000.00	-11.363636	20	PASS
			LV	NT	-60000.00	-11.363636	20	PASS
			HV	NT	-20000.00	-3.787879	20	PASS
		5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.518797	20	PASS
		5500	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.272727	20	PASS
			HV	NT	-60000.00	-10.909091	20	PASS
		5580	NV	NT	-20000.00	-3.584229	20	PASS
			LV	NT	-20000.00	-3.584229	20	PASS
			HV	NT	-20000.00	-3.584229	20	PASS
		5700	NV	NT	40000.00	7.017544	20	PASS
			LV	NT	-20000.00	-3.508772	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5720	NV	NT	-40000.00	-6.993007	20	PASS
			LV	NT	20000.00	3.496503	20	PASS
			HV	NT	-40000.00	-6.993007	20	PASS
		5745	NV	NT	20000.00	3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-80000.00	-13.828868	20	PASS
		5825	NV	NT	-60000.00	-10.300429	20	PASS
			LV	NT	-80000.00	-13.733906	20	PASS
			HV	NT	-100000.00	-17.167382	20	PASS
11N40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
		5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	80000.00	15.180266	20	PASS
			HV	NT	-80000.00	-15.180266	20	PASS
		5310	NV	NT	40000.00	7.532957	20	PASS
			LV	NT	40000.00	7.532957	20	PASS
			HV	NT	40000.00	7.532957	20	PASS
		5510	NV	NT	80000.00	14.519056	20	PASS
			LV	NT	80000.00	14.519056	20	PASS
			HV	NT	-80000.00	-14.519056	20	PASS

		5550	NV	NT	-80000.00	-14.414414	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	40000.00	7.207207	20	PASS
		5670	NV	NT	-40000.00	-7.054674	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5710	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-80000.00	-14.010508	20	PASS
		5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	40000.00	6.950478	20	PASS
			HV	NT	40000.00	6.950478	20	PASS
		5795	NV	NT	-80000.00	-13.805004	20	PASS
			LV	NT	-80000.00	-13.805004	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
11AC80SISO	Ant1	5210	NV	NT	80000.00	15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
		5290	NV	NT	80000.00	15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
		5530	NV	NT	-80000.00	-14.466546	20	PASS
			LV	NT	-80000.00	-14.466546	20	PASS
			HV	NT	-80000.00	-14.466546	20	PASS
		5610	NV	NT	-80000.00	-14.260250	20	PASS
			LV	NT	-80000.00	-14.260250	20	PASS
			HV	NT	-80000.00	-14.260250	20	PASS
		5690	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-80000.00	-14.059754	20	PASS
			HV	NT	-80000.00	-14.059754	20	PASS
		5775	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	10	20000.00	3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-60000.00	-11.583012	20	PASS
		5200	NV	10	-60000.00	-11.538462	20	PASS
			NV	20	20000.00	3.846154	20	PASS
			NV	30	-80000.00	-15.384615	20	PASS
			NV	40	-80000.00	-15.384615	20	PASS
		5240	NV	10	-60000.00	-11.450382	20	PASS
			NV	20	-40000.00	-7.633588	20	PASS
			NV	30	-40000.00	-7.633588	20	PASS
			NV	40	20000.00	3.816794	20	PASS
		5260	NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	-80000.00	-15.209125	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
		5280	NV	10	-60000.00	-11.363636	20	PASS
			NV	20	40000.00	7.575758	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
		5320	NV	10	20000.00	3.759398	20	PASS
			NV	20	-40000.00	-7.518797	20	PASS
			NV	30	-60000.00	-11.278195	20	PASS
			NV	40	-80000.00	-15.037594	20	PASS
		5500	NV	10	-60000.00	-10.909091	20	PASS
			NV	20	-40000.00	-7.272727	20	PASS
			NV	30	-40000.00	-7.272727	20	PASS

			NV	40	-100000.00	-18.181818	20	PASS
		5580	NV	10	-40000.00	-7.168459	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	-40000.00	-7.168459	20	PASS
			NV	40	-60000.00	-10.752688	20	PASS
		5700	NV	10	-60000.00	-10.526316	20	PASS
			NV	20	-60000.00	-10.526316	20	PASS
			NV	30	-100000.00	-17.543860	20	PASS
			NV	40	-40000.00	-7.017544	20	PASS
		5720	NV	10	-40000.00	-6.993007	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-13.986014	20	PASS
			NV	40	-40000.00	-6.993007	20	PASS
		5745	NV	10	-40000.00	-6.962576	20	PASS
			NV	20	-60000.00	-10.443864	20	PASS
			NV	30	-60000.00	-10.443864	20	PASS
			NV	40	-100000.00	-17.406440	20	PASS
		5785	NV	10	40000.00	6.914434	20	PASS
			NV	20	-60000.00	-10.371651	20	PASS
			NV	30	-40000.00	-6.914434	20	PASS
			NV	40	20000.00	3.457217	20	PASS
		5825	NV	10	-40000.00	-6.866953	20	PASS
			NV	20	-40000.00	-6.866953	20	PASS
			NV	30	-40000.00	-6.866953	20	PASS
			NV	40	0.00	0.000000	20	PASS
11N40SISO	Ant1	5190	NV	10	40000.00	7.707129	20	PASS
			NV	20	-80000.00	-15.414258	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	40000.00	7.707129	20	PASS
		5230	NV	10	80000.00	15.296367	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
		5270	NV	10	-40000.00	-7.590133	20	PASS
			NV	20	40000.00	7.590133	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
		5310	NV	10	-80000.00	-15.065913	20	PASS
			NV	20	-80000.00	-15.065913	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.532957	20	PASS
		5510	NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	0.00	0.000000	20	PASS
		5550	NV	10	-80000.00	-14.414414	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-14.414414	20	PASS
			NV	40	-80000.00	-14.414414	20	PASS
		5670	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	80000.00	14.109347	20	PASS
		5710	NV	10	-80000.00	-14.010508	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.005254	20	PASS
			NV	40	-40000.00	-7.005254	20	PASS
		5755	NV	10	40000.00	6.950478	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	40000.00	6.950478	20	PASS
			NV	40	40000.00	6.950478	20	PASS
		5795	NV	10	-80000.00	-13.805004	20	PASS
			NV	20	-80000.00	-13.805004	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS

			NV	40	0.00	0.000000	20	PASS
11AC80SISO	Ant1	5210	NV	10	-80000.00	-15.355086	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-15.355086	20	PASS
			NV	40	-80000.00	-15.355086	20	PASS
		5290	NV	10	-80000.00	-15.122873	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-15.122873	20	PASS
			NV	40	-80000.00	-15.122873	20	PASS
		5530	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
		5610	NV	10	80000.00	14.260250	20	PASS
			NV	20	80000.00	14.260250	20	PASS
			NV	30	80000.00	14.260250	20	PASS
			NV	40	-80000.00	-14.260250	20	PASS
		5690	NV	10	0.00	0.000000	20	PASS
			NV	20	-80000.00	-14.059754	20	PASS
			NV	30	-80000.00	-14.059754	20	PASS
			NV	40	-80000.00	-14.059754	20	PASS
		5775	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS

11. Dynamic Frequency Selection

11.1. Applicability of DFS requirements

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐Master	☒Client Without Radar Detection	☐Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

11.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

11.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A Test B	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.
Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a
Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

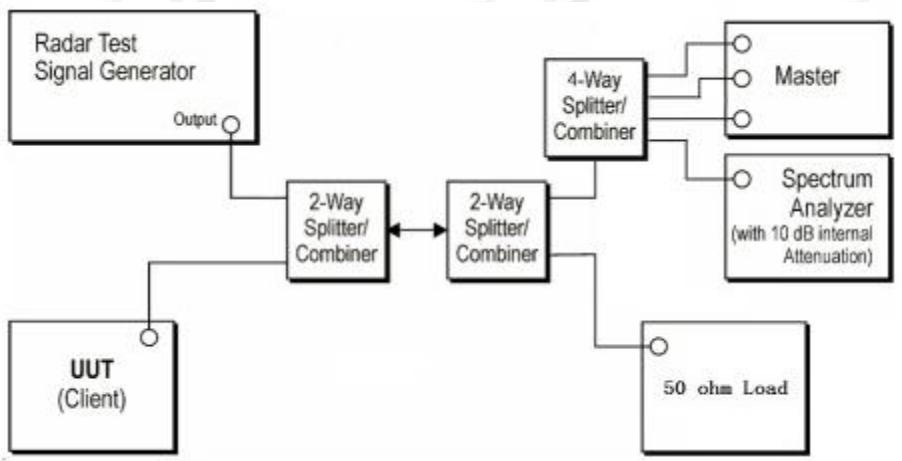
A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

11.4. Calibration of radar waveform

Radar Waveform Calibration Procedure:

(1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
(2) The interference Radar Detection Threshold Level is -62dBm + 0dBi +1dB = -61dBm that had been taken into account the output power range and antenna gain.
(3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.
(4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was - 62dBm -1.35dBi = -63.35dBm. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:

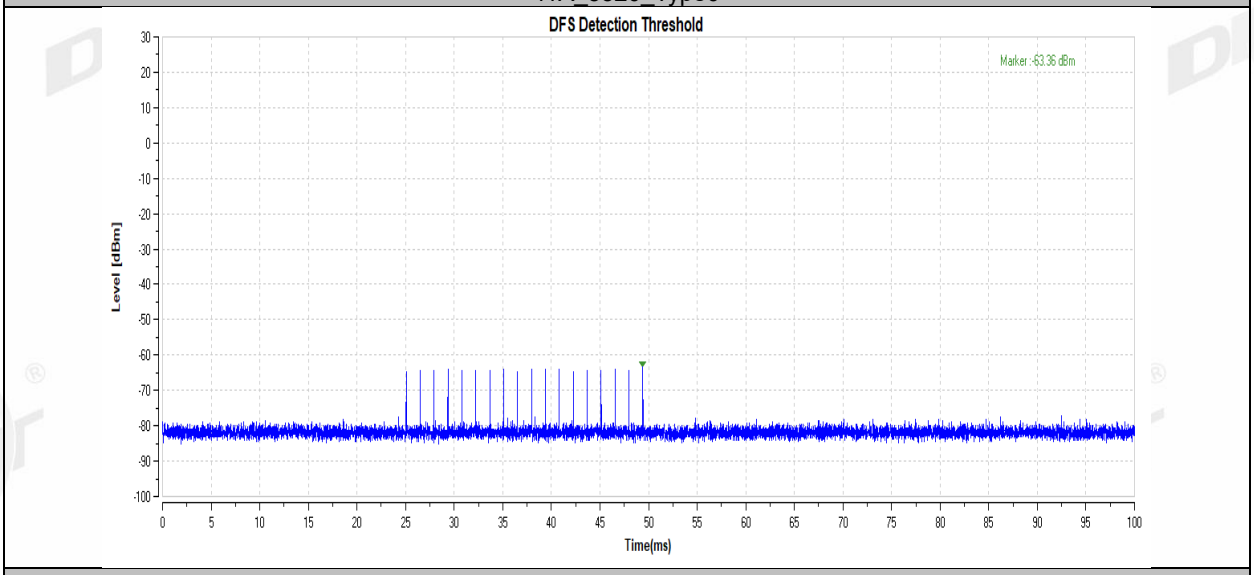


Note: 1. Use the software "Web" to set the frequency channel.
2. EUT is not support TPC and not with Radar detection.

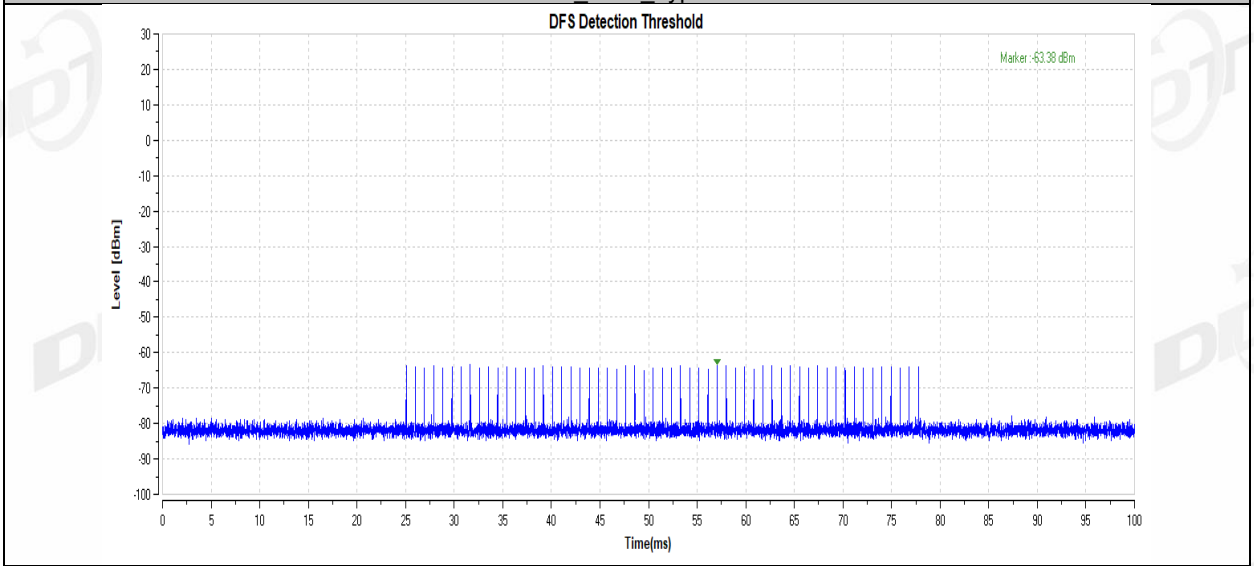
Radar Waveform Calibration Result:

TestMode	Frequency[MHz]	Radar Type	Result	Limit[dbm]
11A	5320	Type0	-63.36	-63.35
		Type1	-63.38	-63.35
		Type2	-63.71	-63.35
		Type3	-63.57	-63.35
		Type4	-63.69	-63.35
		Type5	-63.62	-63.35
		Type6	-63.74	-63.35
11AX80SISO	5530	Type0	-63.42	-63.35
		Type1	-63.61	-63.35
		Type2	-63.61	-63.35
		Type3	-63.80	-63.35
		Type4	-63.73	-63.35
		Type5	-63.74	-63.35
		Type6	-63.42	-63.35

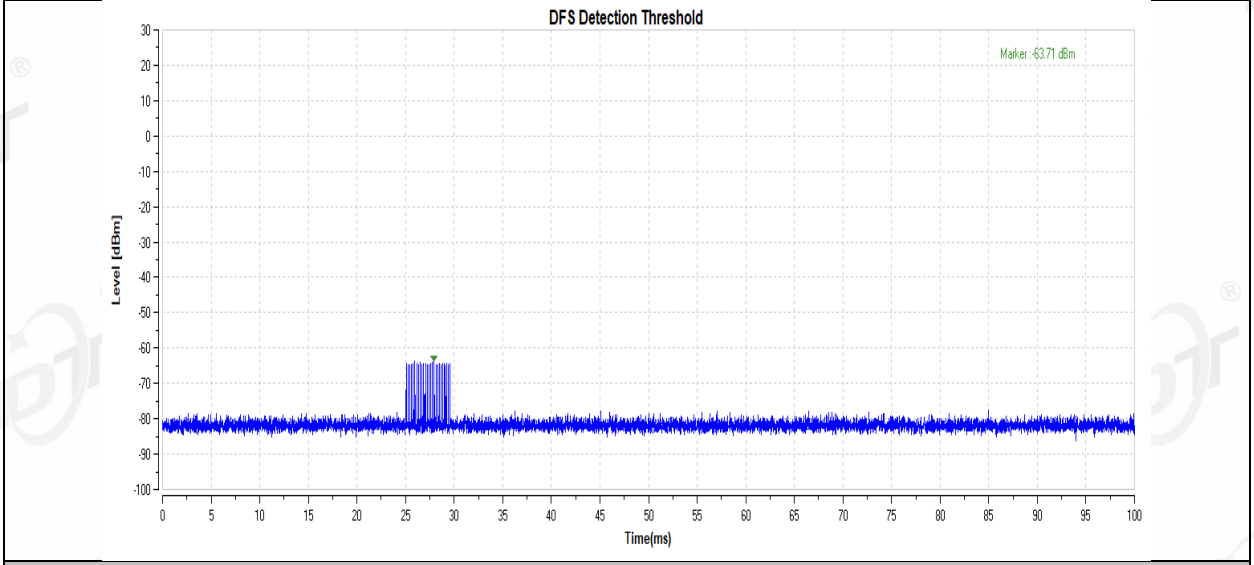
11A_5320_Type0



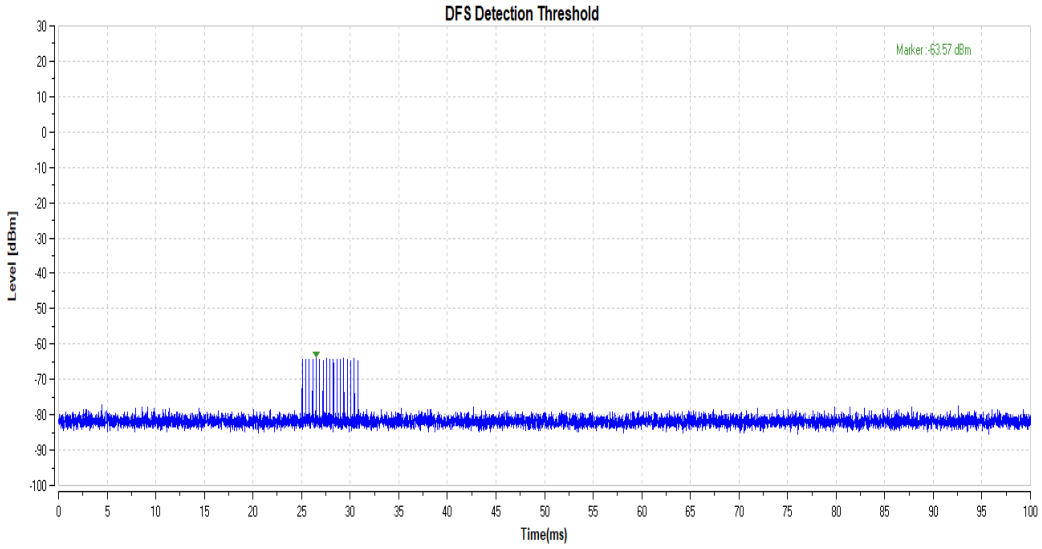
11A_5320_Type1



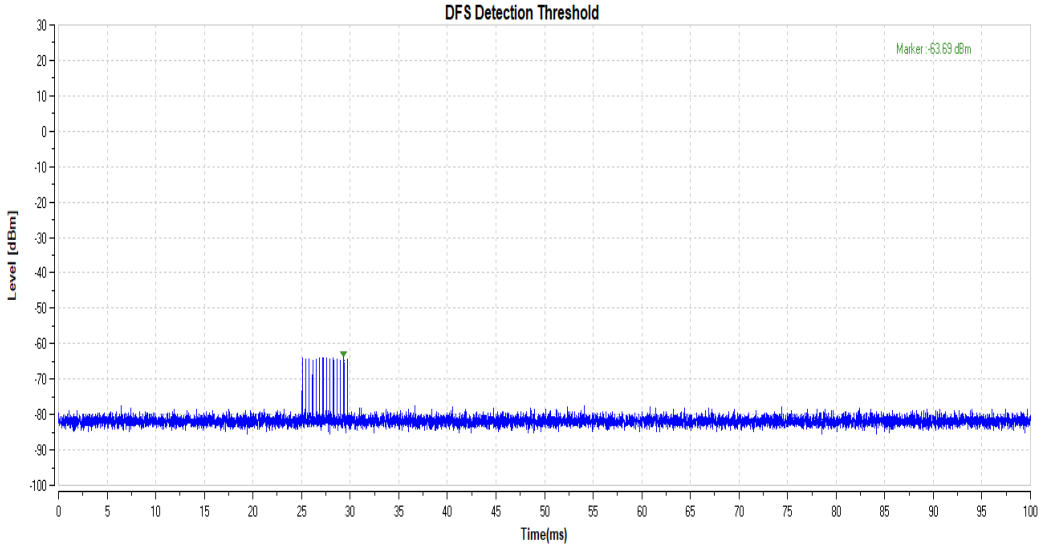
11A_5320_Type2



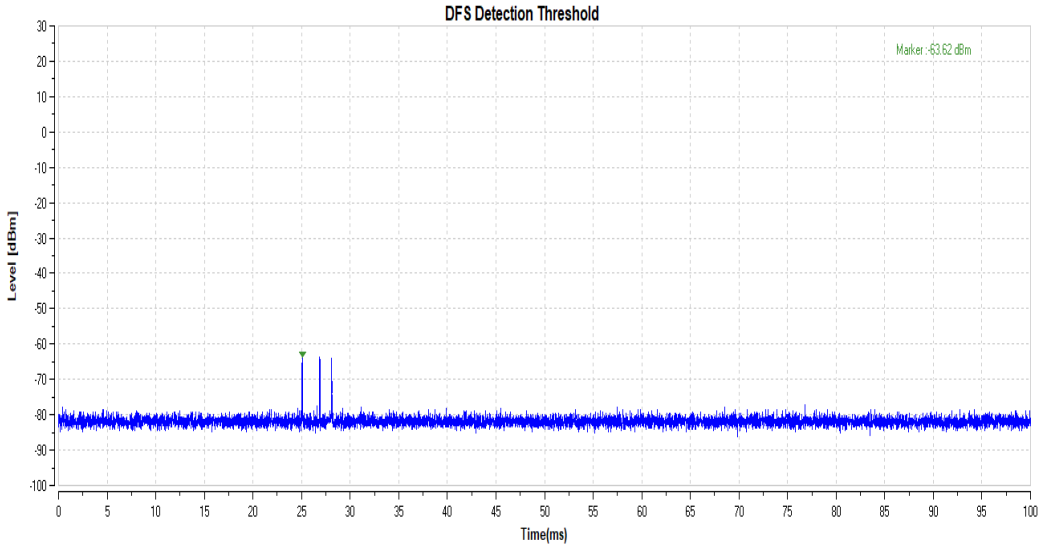
11A_5320_Type3



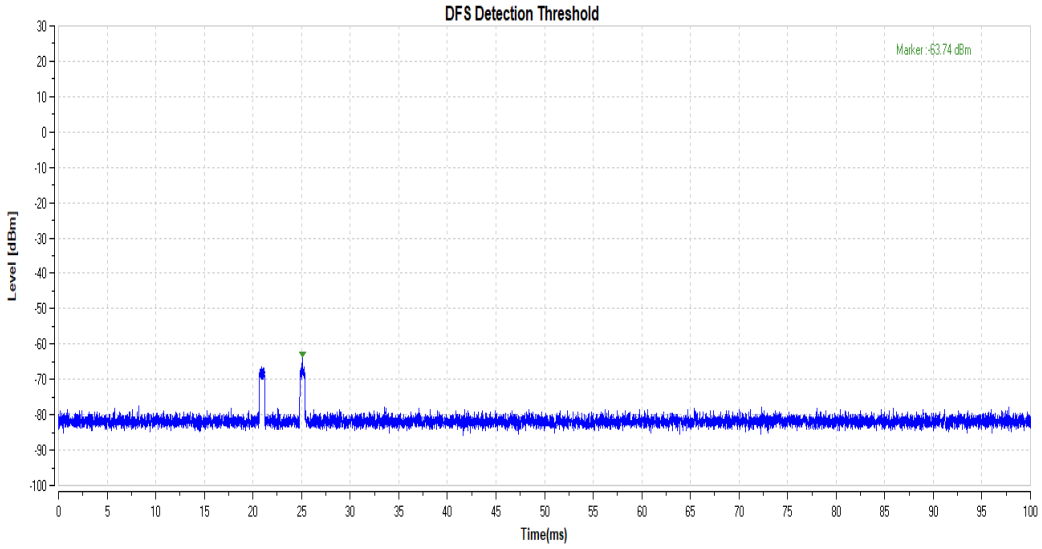
11A_5320_Type4



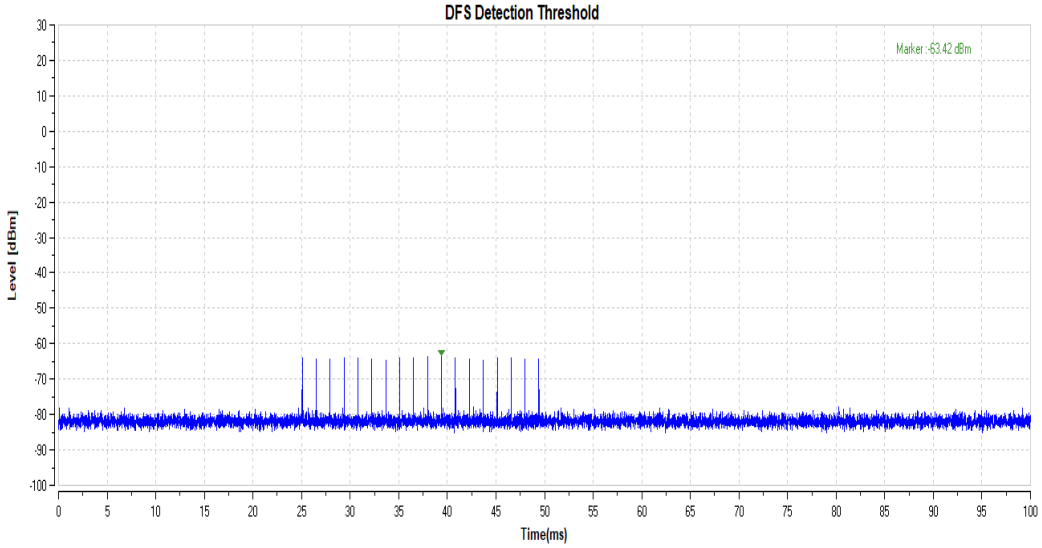
11A_5320_Type5



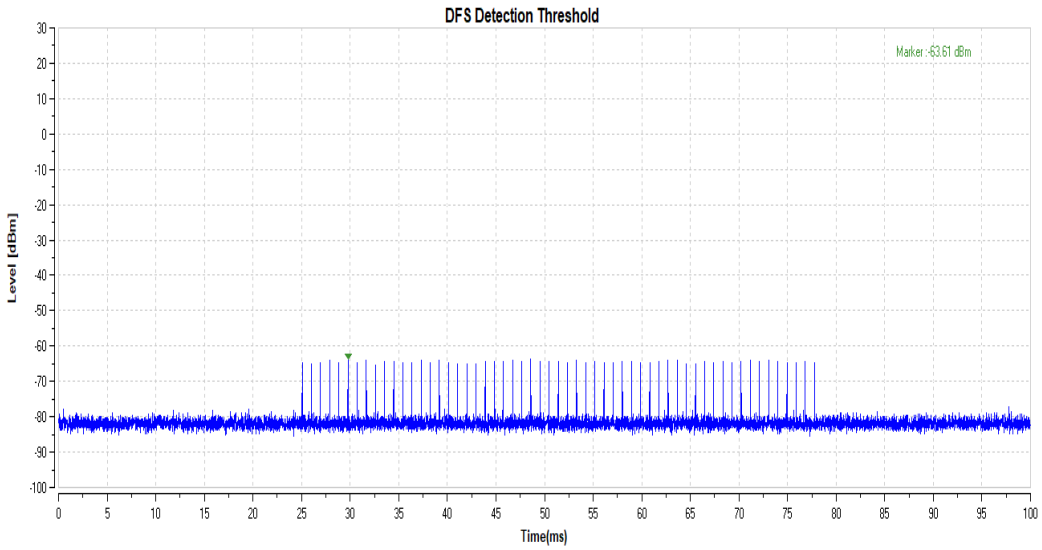
11A_5320_Type6



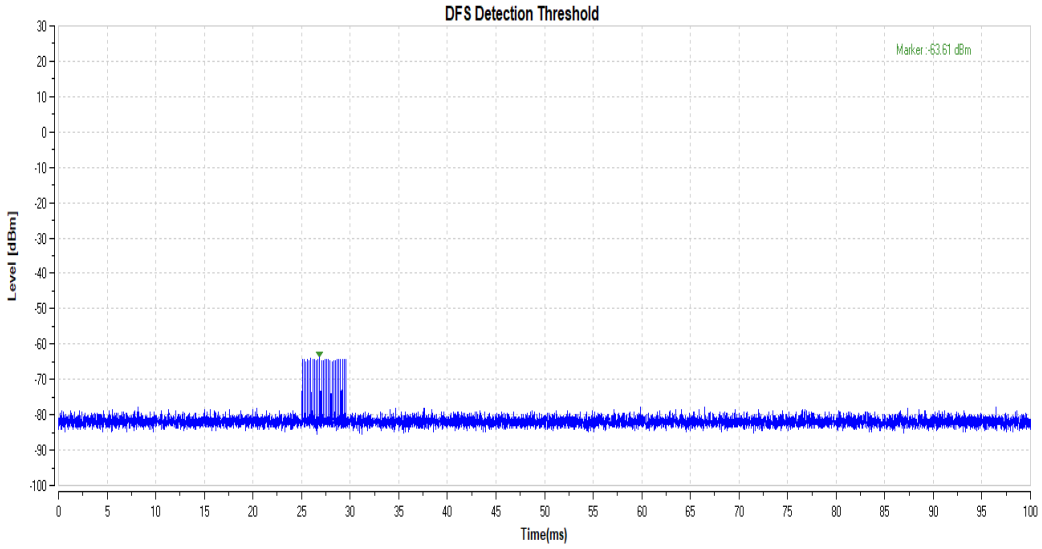
11AX80SISO_5530_Type0



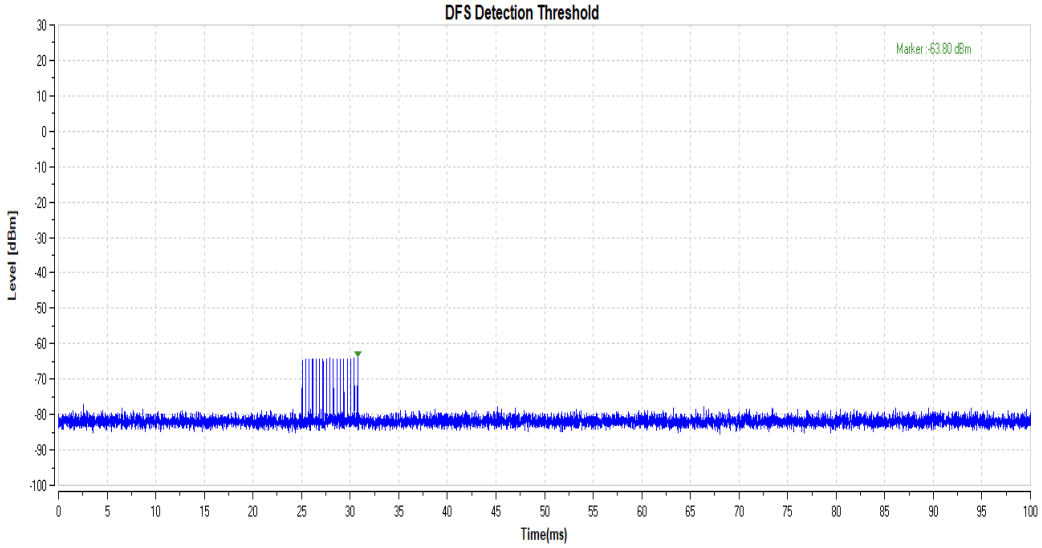
11AX80SISO_5530_Type1



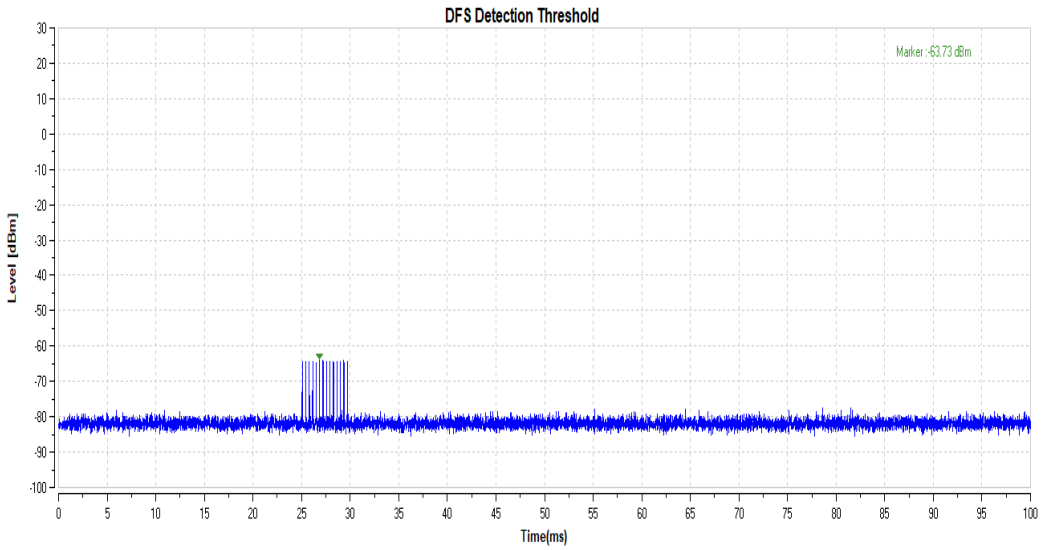
11AX80SISO_5530_Type2



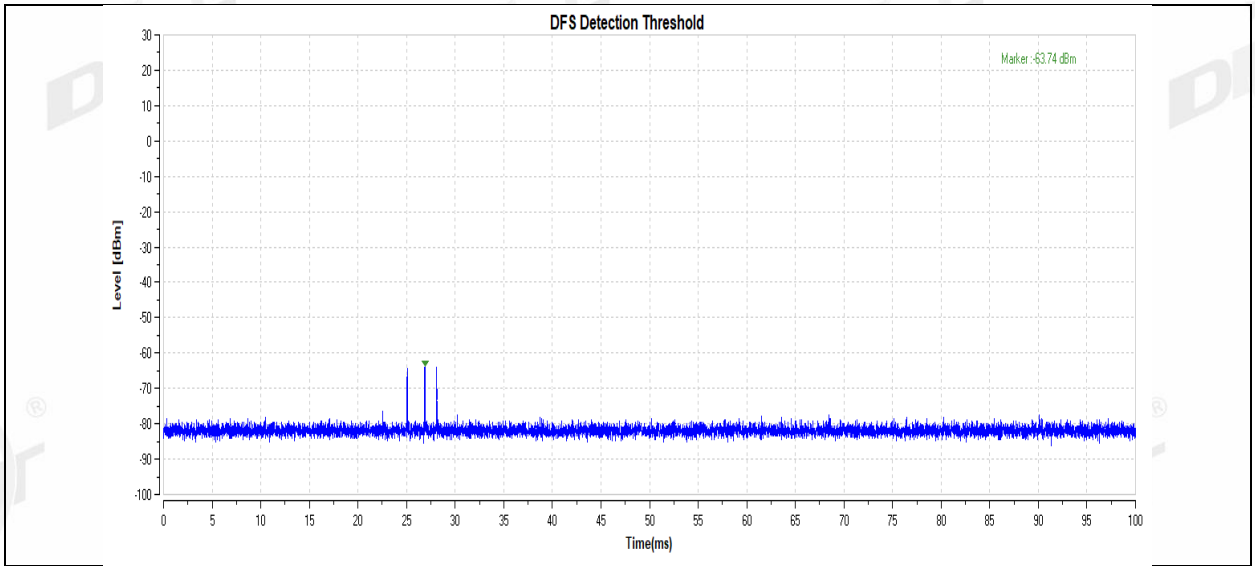
11AX80SISO_5530_Type3



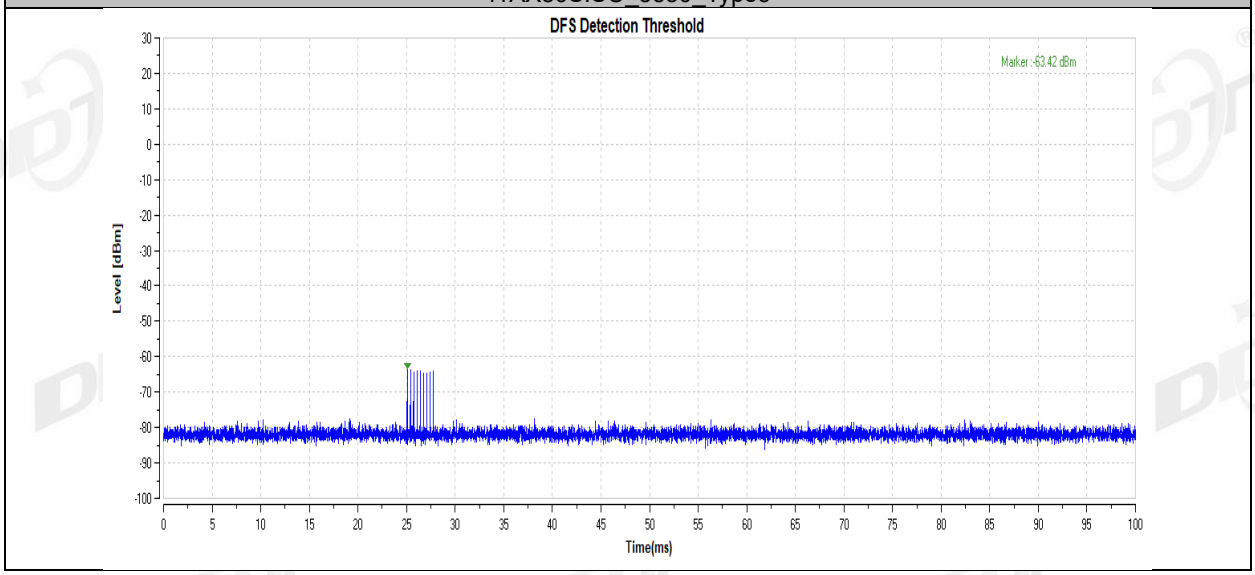
11AX80SISO_5530_Type4



11AX80SISO_5530_Type5



11AX80SISO_5530_Type6



11.5. Channel closing transmission time, channel move time and non-occupancy period

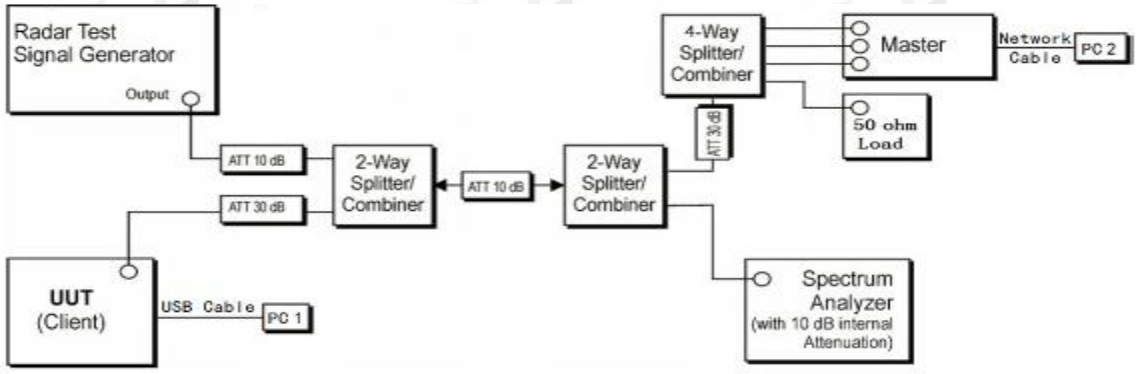
Block diagram of test setup Test Procedure:

(1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
(2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
(3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
(4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.
(5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
(6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
(7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the
(8) spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

11.6. Test setup

Setup for Client with injection at the Master



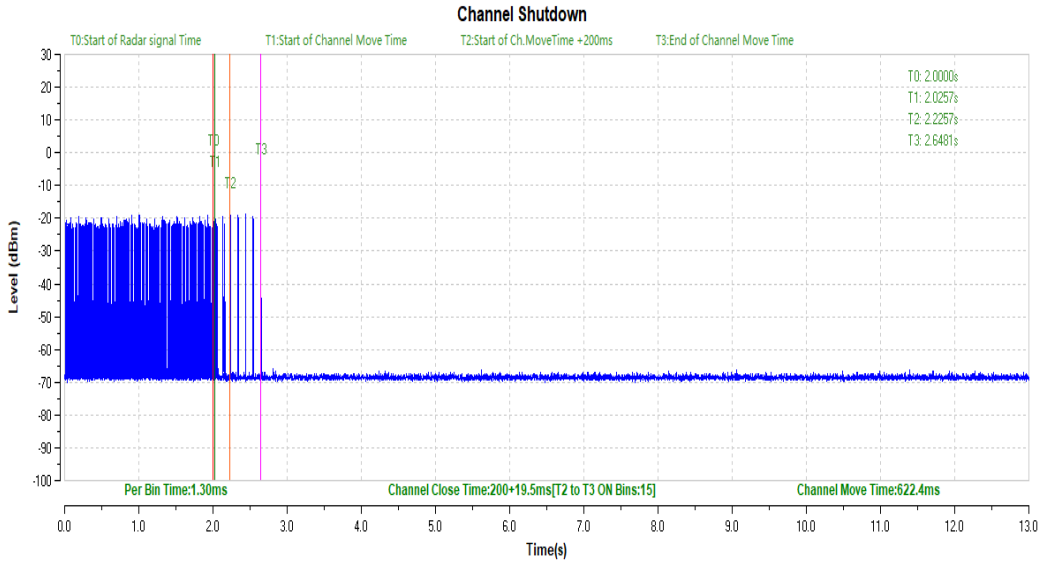
11.7. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.9℃,43.1%RH	Test Date:	2025.04.18-2025.04.19
Test Power Supply:	AC 120V/60Hz	Sample Number:	S25030626-003

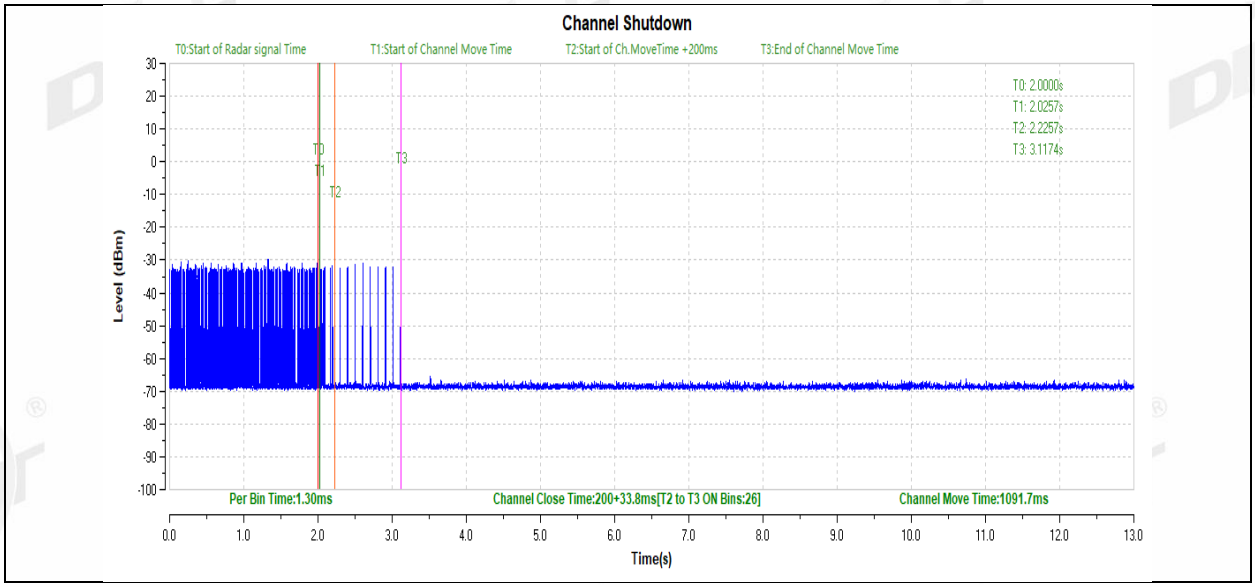
Test Mode	Frequency [MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5320	200+19.5	200+60	622.4	10000	PASS
11AX80SISO	5530	200+33.8	200+60	1091.7	10000	PASS

Test plots as follows:

11A_5320



11AX80SISO_5530


Channel Shutdown
T0:Start of Radar signal Time
T1:Start of Channel Move Time
T2:Start of Ch.MoveTime +200ms
T3:End of Channel Move Time
T0: 2.0000s
T1: 2.0257s
T2: 2.2257s
T3: 3.1174s
Level (dBm)
Per Bin Time:1.30ms
Channel Close Time:200+33.8ms[T2 to T3 ON Bins:26]
Channel Move Time:1091.7ms
Time(s)

12. Antenna Requirements

12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

12.2. Result

The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.