China

FCC - TEST REPORT

Report Number	:	**709502100634-00**	Date of Issue:	December 15, 2021

Model	:	**FOTRIC 326M etc. (Details refer to page 4)**
Product Type	:	Infrared Thermal Camera
FCC ID	:	2AZTCMOTH
Applicant	:	FOTRIC INC.
Address	:	No. 14, Lane 2500, Xiupu Road, Pudong, 201201 Shanghai, PEOPLE'S REPUBLIC OF CHINA
Manufacturer	:	FOTRIC INC.
Address	:	No. 14, Lane 2500, Xiupu Road, Pudong, 201201 Shanghai, PEOPLE'S REPUBLIC OF CHINA

Test Result	:	■ **Positive** ☐ **Negative**
Total pages including Appendices	:	247

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2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1	TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch No.16 Lane, 1951 Du Hui Road, Shanghai 201108, P.R. China
Telephone:	+86 21 6141 0123
Fax:	+86 21 6140 8600
FCC Registration No.:	820234
FCC Designation Number:	CN1183
ISED#:	25988
CAB identifier:	CN0101

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3 Description of the Equipment under Test

Product:	Infrared Thermal Camera
Model no.:	FOTRIC 326Q, FOTRIC 325Q, FOTRIC 325Q, FOTRIC 323Q, FOTRIC 323Q, FOTRIC 321Q, FOTRIC 316, FOTRIC 315, FOTRIC 314, FOTRIC 313, FOTRIC 312, FOTRIC 311, FOTRIC 336Q, FOTRIC 335Q, FOTRIC 334Q, FOTRIC 333Q, FOTRIC 332QA, FOTRIC 331QA, FOTRIC 336QA, FOTRIC 335QA, FOTRIC 334QA, FOTRIC 333QA, FOTRIC 332QA, FOTRIC 331QA, FOTRIC 326X, FOTRIC 325X, FOTRIC 324X, FOTRIC 323X, FOTRIC 322X, FOTRIC 321X, FOTRIC 316B, FOTRIC 315B, FOTRIC 314B, FOTRIC 313B, FOTRIC 312B, FOTRIC 311B, FOTRIC 326M, FOTRIC 325M, FOTRIC 325M, FOTRIC 323M, FOTRIC 322M, FOTRIC 321M, FOTRIC 326F, FOTRIC 325F, FOTRIC 323F, FOTRIC 322F, FOTRIC 321F, FOTRIC 326G, FOTRIC 325G, FOTRIC 324G, FOTRIC 323G, FOTRIC 322G, FOTRIC 321G, FOTRIC 329G, FOTRIC 328G, FOTRIC 327G, FOTRIC 329P, FOTRIC 328P, FOTRIC 327P, FOTRIC 326P, FOTRIC 325P, FOTRIC 324P, FOTRIC 323P, FOTRIC 322P, FOTRIC 321P, FOTRIC 326E, FOTRIC 325E, FOTRIC 324E, FOTRIC 323E, FOTRIC 322E, FOTRIC 321E, FOTRIC 329E, FOTRIC 328E, FOTRIC 327E, FOTRIC 311CE, FOTRIC 691B
Sample(s) Tested:	FOTRIC 326M
FCC ID:	2AZTCMOTH
Options and accessories:	Test harness
Rating:	DC 3.6V Li-ion Battery
RF Transmission Frequency:	2402~2480MHz for Bluetooth For 2.4G & 5G Wi-Fi For 802.11b/g/n-HT20: 2412~2462 MHz For 802.11n-HT40: 2422~2452 MHz 5180~5240 MHz (U-NII-1) 5260~5320 MHz (U-NII-2A) 5500~5720 MHz (U-NII-2C) 5745~5825 MHz (U-NII-3)
No. of Operated Channel:	79 channels for Bluetooth 4.2+EDR 40 channels for Bluetooth 4.2 BLE For 2.4GHz Wi-Fi

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Operation Frequency each of channel For 802.11b/g/n(H20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Operation Frequency each of channel For 802.11n(H40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
		4	2427MHz	7	2442MHz		
		5	2432MHz	8	2447MHz		
3	2422MHz	6	2437MHz	9	2452MHz		

5180~5240 MHz (U-NII-1)
5260~5320 MHz (U-NII-2A)
5500~5720 MHz (U-NII-2C)
5745~5825 MHz (U-NII-3)

Modulation: Bluetooth 4.2+EDR FHSS: GFSK, π/4 DQPSK, 8DPSK
Bluetooth 4.2+BLE digital modulation: GFSK
For Wi-Fi: Direct Sequence Spread Spectrum (DSSS) for 802.11b
Orthogonal Frequency Division Multiplexing (OFDM) for 802.11a/b/g/n/ac

Hardware Version: V02

Software Version: 1.0.13

Data speed: 1. Bluetooth 4.2+EDR FHSS: 1Mbps, 2Mbps, 3Mbps
2. Bluetooth 4.2+BLE digital modulation: 1Mbps
3. Wi-Fi: 11b 1 ~ 11Mbps,
11g/a 6 ~ 54Mbps, 11n HT20 6.5 ~ 72.2Mbps,
11n HT 40 13.5 ~ 150Mbps,
11ac VHT40 13.5 ~ 200Mbps,
11ac VHT80 29.3 ~ 433.3Mbps

Duty Cycle: 100%

Antenna Type: PIFA Antenna

Antenna Gain: 2.5dBi

Description of the EUT: The Equipment Under Test (EUT) is an Infrared Thermal Camera with Bluetooth and Wi-Fi Module. The EUT support Bluetooth 4.2+EDR and support BLE function and Wi-Fi operated at 5GHz and 2.4GHz.
Only 5G Wi-Fi included in this report.

Test sample no.: SHA-566436-1

The sample's mentioned in this report is/are submitted/ supplied/ manufactured by client. The laboratory therefore assumes no responsibility for accuracy of information on the brand name, model number, origin of manufacture, consignment, antenna gain or any information supplied.

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4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart E, 2021 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart E - Unlicensed National Information Infrastructure Devices

Test Method:
FCC KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 789033 D02 General UNII Test Procedures New Rules v02r01
ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices

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5 Summary of Test Results

Technical Requirements						
FCC Part 15 Subpart C						
Test Condition		Pages	Test Site	Test Result		
				Pass	Fail	N/A
§15.207	Conducted emission AC power port	14-16	Site 1	☒	☐	☐
§15.407(e)	Emission bandwidth	17-64	Site 1	☒	☐	☐
15.407(a)(i)	Maximum Conducted Output Power	65-66	Site 1	☒	☐	☐
15.407(a)(i)	Maximum Power Spectral Density	67-89	Site 1	☒	☐	☐
§15.407(g)	Frequencies Stability	90-101	Site 1	☒	☐	☐
§15.407(b)(1), 15.407(b)(2), 15.407(b)(3), 15.407(b)(4), 15.407(b)(5), 15.407(b)(6), 15.407(b)(7), 15.209	Unwanted Emissions	102-243	Site 1	☒	☐	☐
§15.203	Antenna requirement	See note 1		☒	☐	☐

Remark 1: The EUT only operation at 5G Wi-Fi UNII Band (5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz). The EUT operate as Clients Device without Radar Detection.

Note 1: The EUT uses a patch antenna, which gain is 2.5dBi. In accordance to §15.203, It is considered sufficiently to comply with the provisions of this section.

15.203 requirement: 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

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6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AZTCMOTH complies with Section 15.207, 15.209, 15.407 of the FCC Part 15, Subpart E Rules.

This report in only for 5GHz Wi-Fi. The TX and RX range is 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz.

According to the client's declaration, all the models have the same electrical circuit board and mechanical structure, except pixel, or shell color differences, so we chose the FOTRIC 326M to perform all the tests.

SUMMARY:

All tests according to the regulations cited on page 6 were

■ - Performed

☐ - **Not** Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

☐ - **Does not** fulfill the general approval requirements.

Sample Received Date:	July 9, 2021
Testing Start Date:	July 13, 2021
Testing End Date:	December 13, 2021

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Reviewed by:	Prepared by:	Tested by:
Hui TONG	Zhining ZHANG	Wenqiang LU
Review Engineer	Project Engineer	Test Engineer

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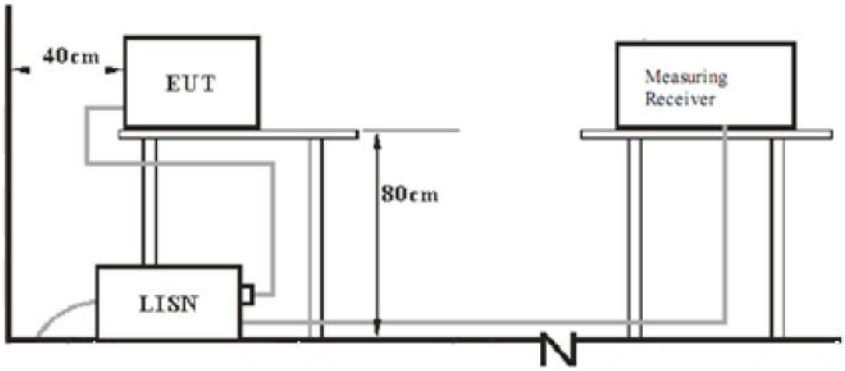
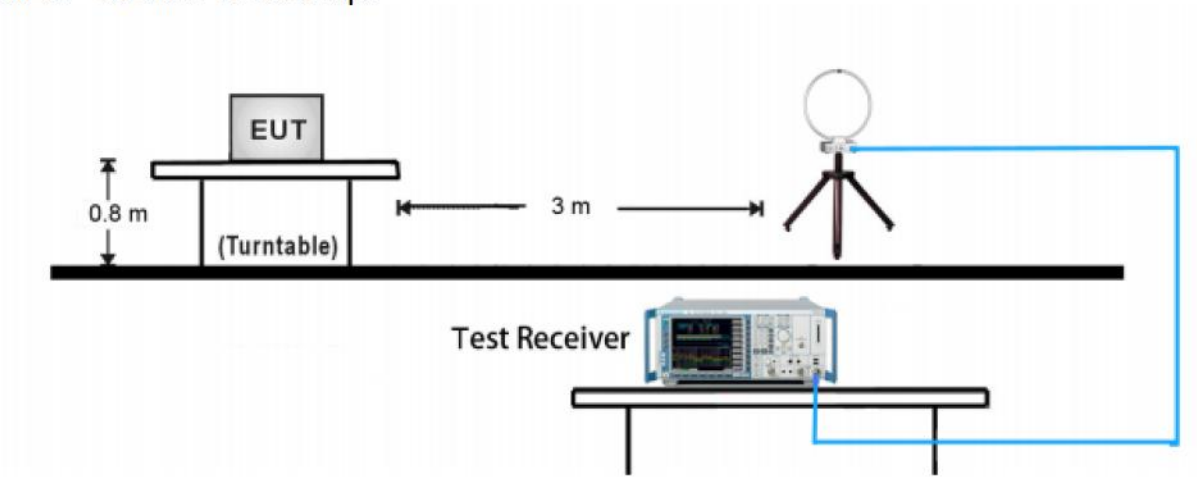
7 Test Setups

7.1 AC Power Line Conducted Emission test setups



7.2 Radiated test setups

9kHz ~ 30MHz Test Setup:



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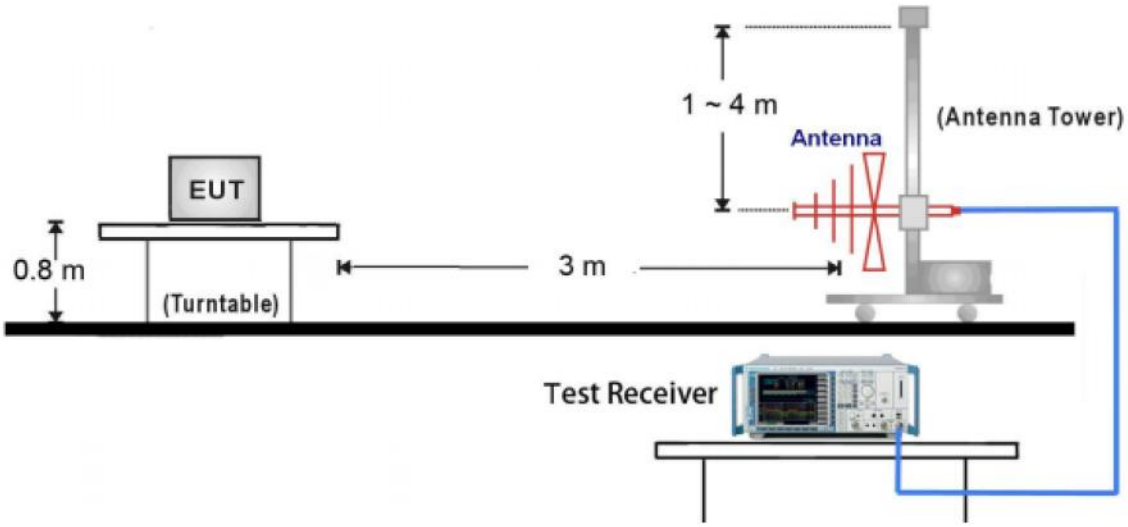
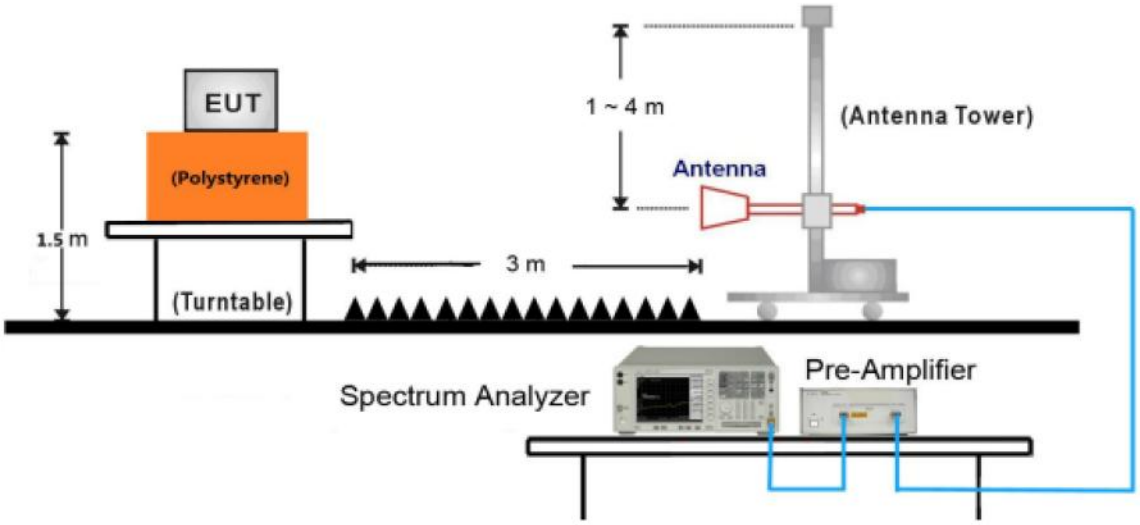
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



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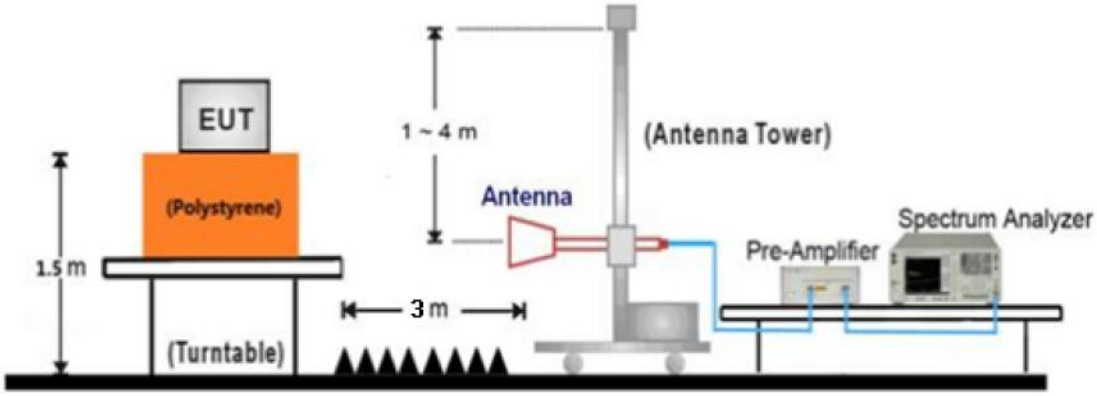
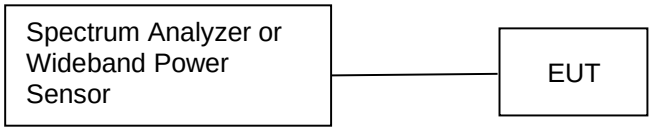
18GHz ~ 40GHz Test Setup:



7.3 Conducted RF test setups



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8 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Notebook	Lenovo	X240	--

Test software: QRCT.exe, which used to control the EUT in continues transmitting mode.

The system was configured to channel:

Test Mode	Channel (MHz)		
802.11a, 802.11n HT20 802.11ac VHT20	5G WIFI-Band 1		
	CH36 (5180MHz)	CH40 (5200MHz)	CH48 (5240MHz)
	5G WIFI-Band 2		
	CH52 (5260MHz)	CH56 (5280MHz)	CH64 (5320MHz)
	5G WIFI-Band 3		
	CH100 (5500MHz)	CH116 (5580MHz)	CH140 (5700MHz)
	CH144 (5720MHz)		
	5G WIFI-Band 4		
	CH149 (5745MHz),	CH157 (5785MHz)	CH165 (5825MHz)

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Test Mode	Channel (MHz)		
802.11n HT40 802.11ac VHT40	5G WIFI-Band 1		
	CH38 (5190MHz)	CH46 (5230MHz)	
	5G WIFI-Band 2		
	CH54 (5270MHz)	CH62 (5310MHz)	
	5G WIFI-Band 3		
	CH102 (5510MHz)	CH110 (5550MHz)	CH134 (5670MHz)
	CH142 (5710MHz)		
	5G WIFI-Band 4		
	CH151 (5755MHz)	CH159 (5795MHz)	

Test Mode	Channel (MHz)		
802.11ac VHT80	5G WIFI-Band 1		
	CH42 (5210MHz)		
	5G WIFI-Band 2		
	CH58 (5290MHz)		
	5G WIFI-Band 3		
	CH106 (5530MHz)	CH123 (5610MHz)	CH138 (5690MHz)
	5G WIFI-Band 4		
	CH155 (5775MHz)		

Note: According to FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01, Channels: CH 142 (5710MHz) and CH 144 (5720MHz) were chose to perform Conducted output power and emission bandwidth testing.

The pre-test has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

Modulation Type	Data Rate
802.11a OFDM	6Mbps
802.11n (HT20): OFDM	MCS0 (6.5Mbps)
802.11n (HT40): OFDM	MCS0 (13.5Mbps)
802.11ac (VHT20): OFDM	11ac 6.5Mbps (20MHz)
802.11ac (VHT40): OFDM	11ac 13.5Mbps (40MHz)
802.11ac (VHT80): OFDM	11ac 29.3Mbps (80MHz)

Device Capabilities

Duty Cycle: 100%

Note: 2.4GHz WLAN (DTS) operation is possible in 20MHz, and 40MHz channel bandwidths. 5GHz WLAN (DTS) operation is possible in 20MHz, 40MHz and 80MHz channel bandwidths.

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9 Technical Requirement

9.1 Conducted Emission

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

Frequency MHz	QP Limit dBµV	AV Limit dBµV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

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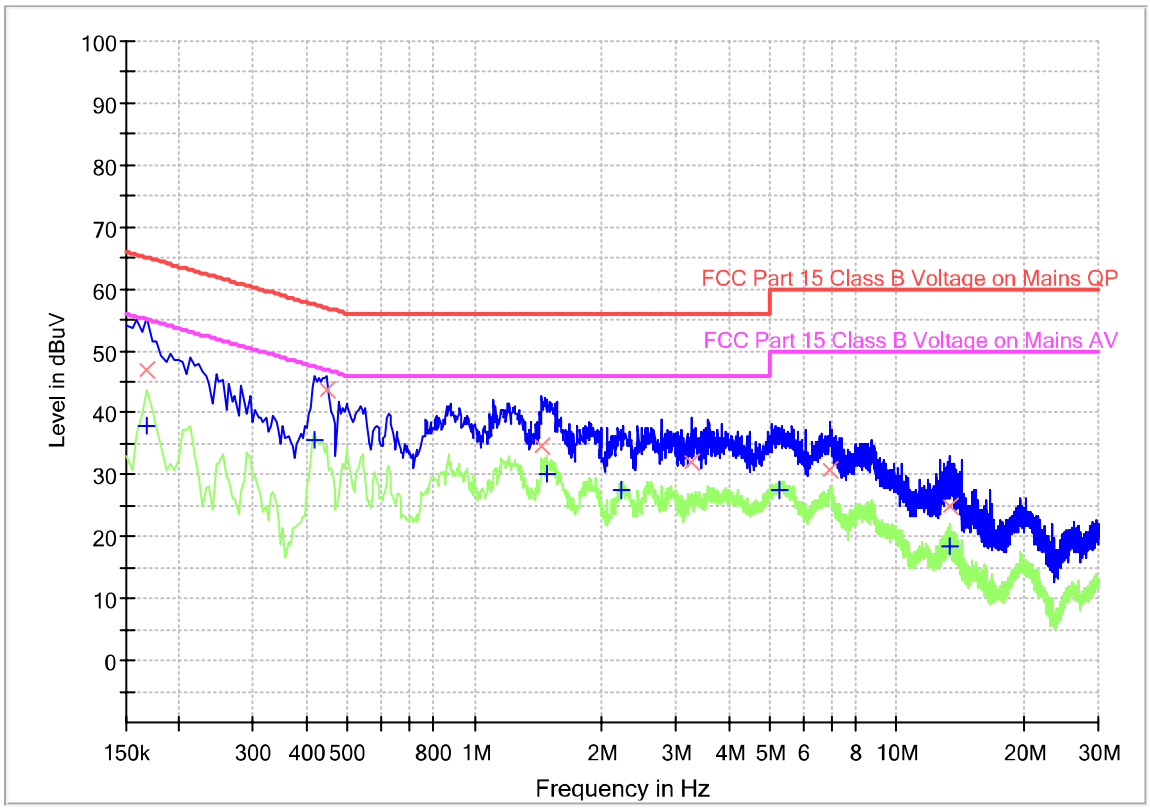
Conducted Emission

Product Type	:	Infrared Thermal Camera
M/N	:	FOTRIC 326M
Operating Condition	:	Mode 1: Tx_802.11N HT20, 5320MHz
Test Specification	:	L-Line
Comment	:	AC 120V/60Hz for computer (charging mode & TX)



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.168000	---	37.86	55.06	17.20	1000.0	9.000	L1	19.5
0.168000	47.04	---	65.06	18.02	1000.0	9.000	L1	19.5
0.420000	---	35.61	47.45	11.84	1000.0	9.000	L1	19.5
0.447000	43.86	---	56.93	13.07	1000.0	9.000	L1	19.5
1.446000	34.60	---	56.00	21.40	1000.0	9.000	L1	19.5
1.486500	---	30.18	46.00	15.82	1000.0	9.000	L1	19.5
2.238000	---	27.45	46.00	18.55	1000.0	9.000	L1	19.5
3.277500	32.07	---	56.00	23.93	1000.0	9.000	L1	19.5
5.307000	---	27.41	50.00	22.59	1000.0	9.000	L1	19.5
6.963000	30.82	---	60.00	29.18	1000.0	9.000	L1	19.6
13.344000	---	18.50	50.00	31.50	1000.0	9.000	L1	19.7
13.344000	25.06	---	60.00	34.94	1000.0	9.000	L1	19.7

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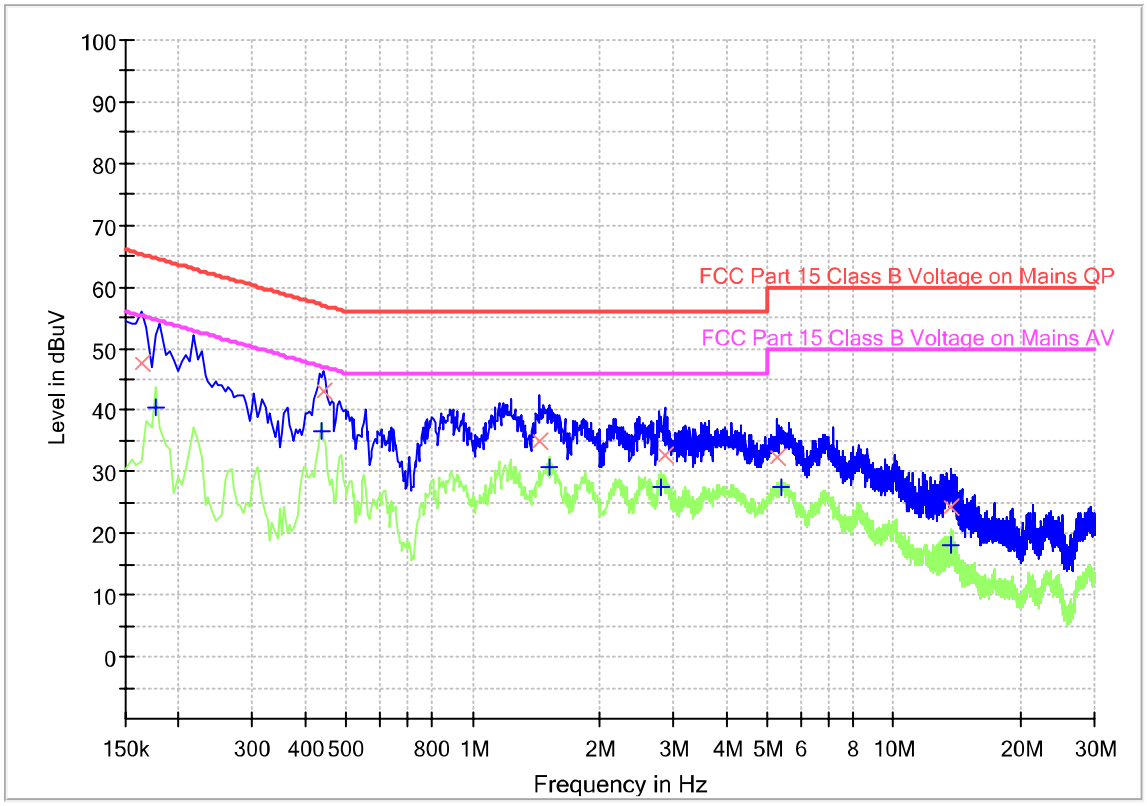
Product Type	:	Infrared Thermal Camera
M/N	:	FOTRIC 326M
Operating Condition	:	Mode 1: Tx_802.11N HT20, 5320MHz
Test Specification	:	N-Line
Comment	:	AC 120V/60Hz for computer (charging mode & TX)



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.163500	47.72	---	65.28	17.56	1000.0	9.000	N	19.5
0.177000	---	40.33	54.63	14.30	1000.0	9.000	N	19.5
0.438000	---	36.50	47.10	10.60	1000.0	9.000	N	19.5
0.442500	42.99	---	57.01	14.02	1000.0	9.000	N	19.5
1.437000	34.84	---	56.00	21.16	1000.0	9.000	N	19.5
1.522500	---	30.91	46.00	15.09	1000.0	9.000	N	19.5
2.809500	---	27.57	46.00	18.43	1000.0	9.000	N	19.6
2.850000	32.76	---	56.00	23.24	1000.0	9.000	N	19.6
5.298000	32.42	---	60.00	27.58	1000.0	9.000	N	19.6
5.379000	---	27.62	50.00	22.38	1000.0	9.000	N	19.6
13.686000	---	18.15	50.00	31.85	1000.0	9.000	N	19.8
13.695000	24.26	---	60.00	35.74	1000.0	9.000	N	19.8

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)
Factor (dB) = Cable Loss (dB) + LISN Factor (dB) + 10dB Attenuator

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9.2 Emission bandwidth

1、Test Method of 26dB Bandwidth

According to KDB789033 D02
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%.

Limit: No limit

2、Test Method of 6dB Bandwidth

According to KDB789033 D02
a) Set RBW = 100KHz
b) Set the video bandwidth (VBW) ≥ 3 × 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.

Limit: ≥500KHz

3、Test Method of 99% Bandwidth

According to KDB789033 D02
a) Set center frequency to the nominal EUT channel center frequency
b) Set span = 1.5 times to 5.0 times the OBW.
c) Set RBW = 1 % to 5 % of the OBW
d) Set VBW ≥ 3 · RBW
e) 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.
f) Use the 99 % power bandwidth function of the instrument (if available).
g) 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.

Limit: No limit

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Test result as below table:

26dB Bandwidth Test Result:

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.516	5169.389	5190.905	---	PASS
		5200	21.037	5189.443	5210.480	---	PASS
		5240	21.431	5229.284	5250.715	---	PASS
		5260	21.236	5249.373	5270.609	---	PASS
		5280	21.288	5269.109	5290.397	---	PASS
		5320	21.405	5309.396	5330.801	---	PASS
		5500	21.503	5489.275	5510.777	---	PASS
		5600	21.508	5589.197	5610.705	---	PASS
		5700	21.144	5689.469	5710.613	---	PASS
		5720	21.165	5709.256	5730.421	---	PASS
		5720_UNII-2C	15.744	5709.256	5725	---	PASS
		5720_UNII-3	5.421	5725	5730.421	---	PASS
		5745	21.383	5734.211	5755.593	---	PASS
		5785	21.307	5774.256	5795.563	---	PASS
		5825	22.033	5813.919	5835.952	---	PASS
11N20SISO	Ant1	5180	21.048	5169.280	5190.328	---	PASS
		5200	21.832	5188.996	5210.828	---	PASS
		5240	21.855	5229.167	5251.021	---	PASS
		5260	21.545	5249.292	5270.837	---	PASS
		5280	21.617	5269.337	5290.955	---	PASS
		5320	21.836	5309.056	5330.892	---	PASS
		5500	21.940	5489.191	5511.131	---	PASS
		5600	21.884	5589.085	5610.969	---	PASS
		5700	21.672	5689.147	5710.819	---	PASS
		5720	22.293	5708.993	5731.287	---	PASS
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		5720_UNII-3	6.287	5725	5731.287	---	PASS
		5745	22.063	5733.752	5755.815	---	PASS
		5785	21.993	5773.832	5795.825	---	PASS
		5825	21.635	5814.084	5835.719	---	PASS
11N40SISO	Ant1	5190	44.451	5167.699	5212.149	---	PASS
		5230	44.821	5207.331	5252.152	---	PASS
		5270	44.333	5247.749	5292.083	---	PASS
		5310	44.296	5287.648	5331.944	---	PASS
		5510	44.013	5487.925	5531.939	---	PASS
		5755	44.757	5732.520	5777.277	---	PASS
		5795	44.091	5772.984	5817.075	---	PASS
11AC20SISO	Ant1	5180	21.729	5168.967	5190.696	---	PASS
		5200	21.472	5189.129	5210.601	---	PASS
		5240	21.675	5229.108	5250.783	---	PASS
		5260	22.113	5249.019	5271.132	---	PASS
		5280	21.707	5269.059	5290.765	---	PASS
		5320	21.624	5309.092	5330.716	---	PASS
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		5270	43.208	5247.875	5291.083	---	PASS
		5310	43.299	5287.864	5331.163	---	PASS
		5510	43.083	5487.987	5531.069	---	PASS
		5755	43.008	5733.037	5776.045	---	PASS
		5795	43.080	5772.971	5816.051	---	PASS
11AC80SISO	Ant1	5210	84.960	5167.899	5252.859	---	PASS
		5290	85.093	5248.021	5333.115	---	PASS
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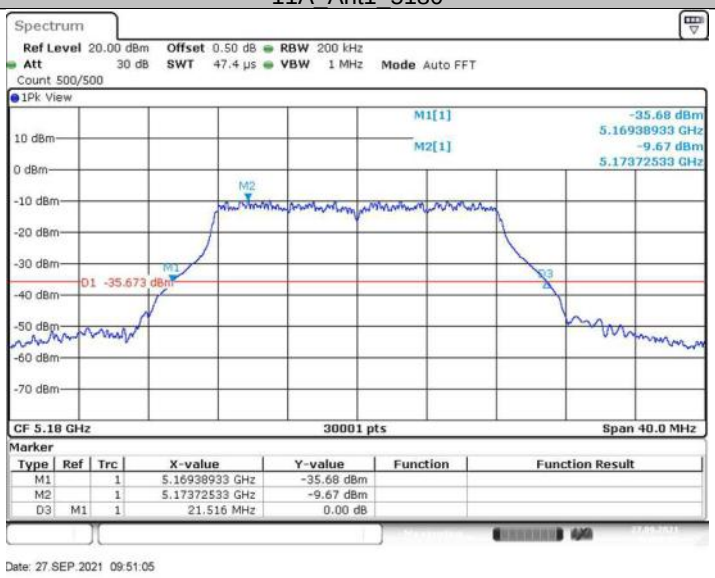

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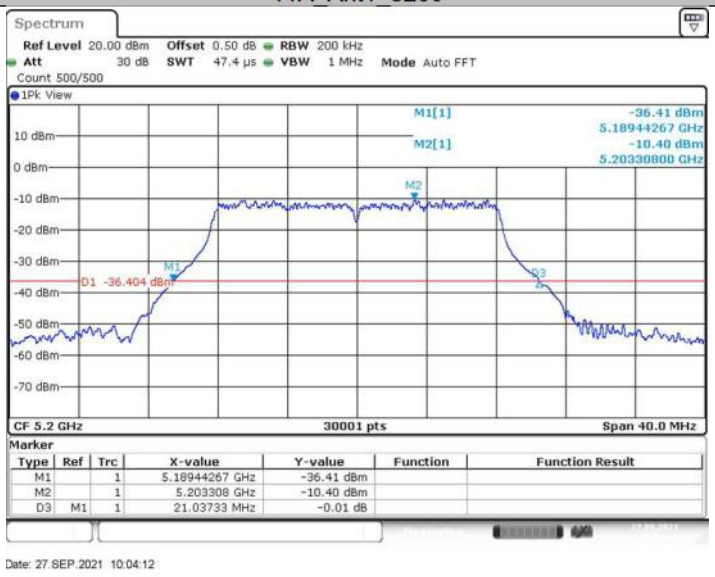

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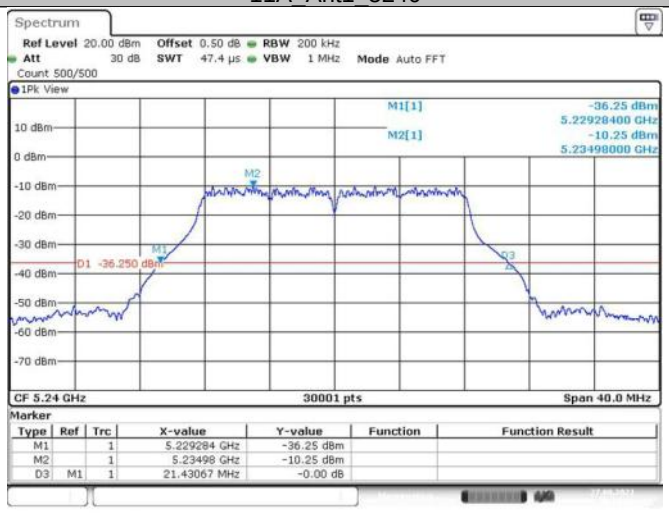
11A_Ant1_5240



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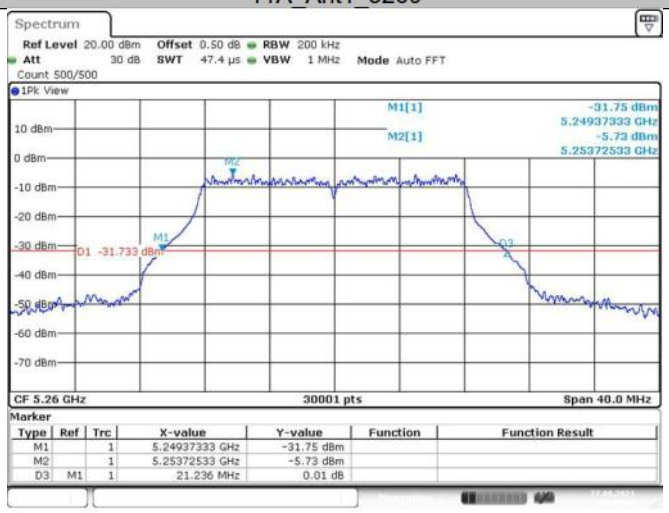

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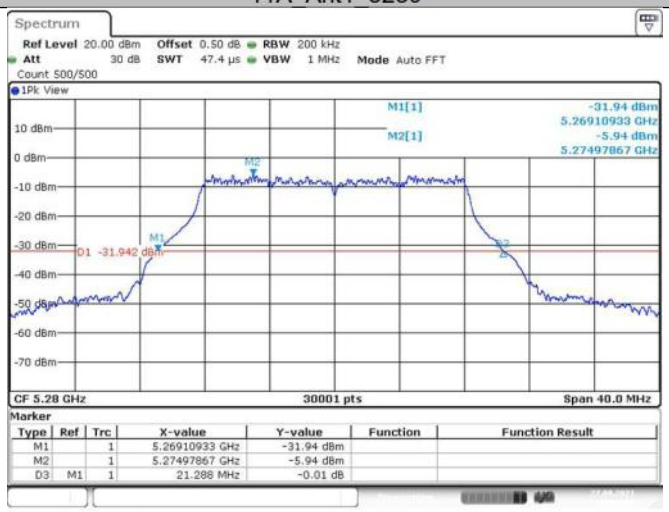

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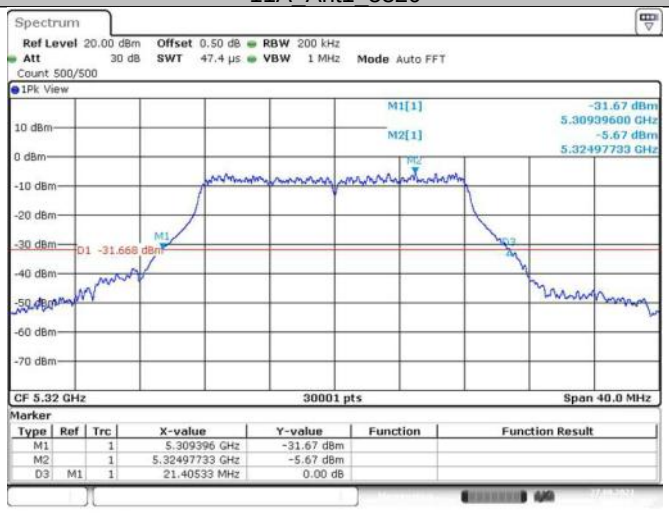

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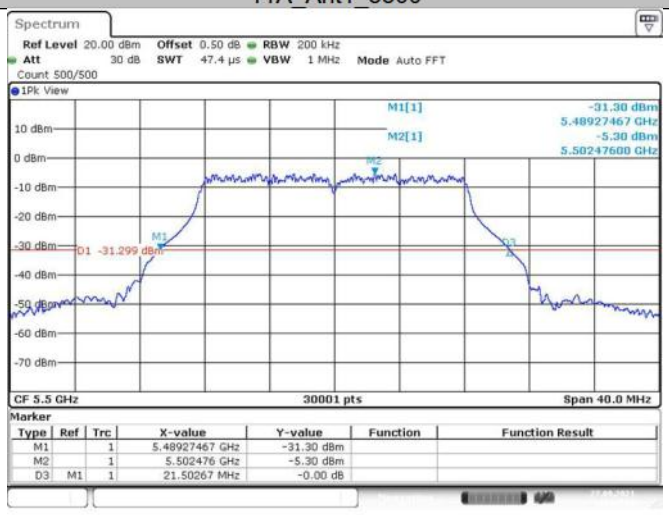

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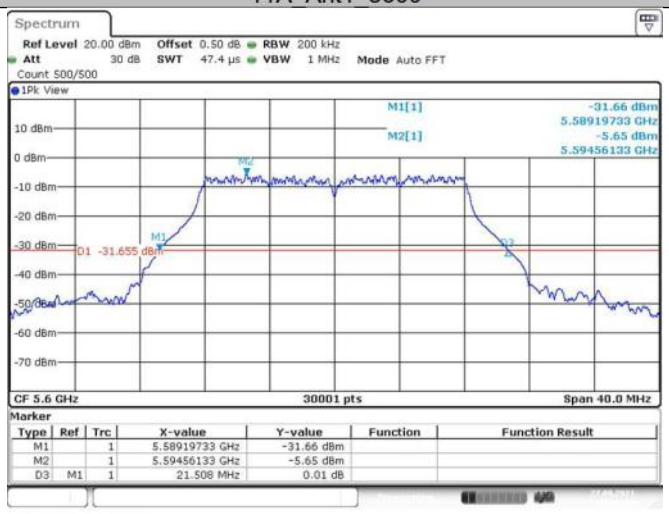

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11A_Ant1_5700

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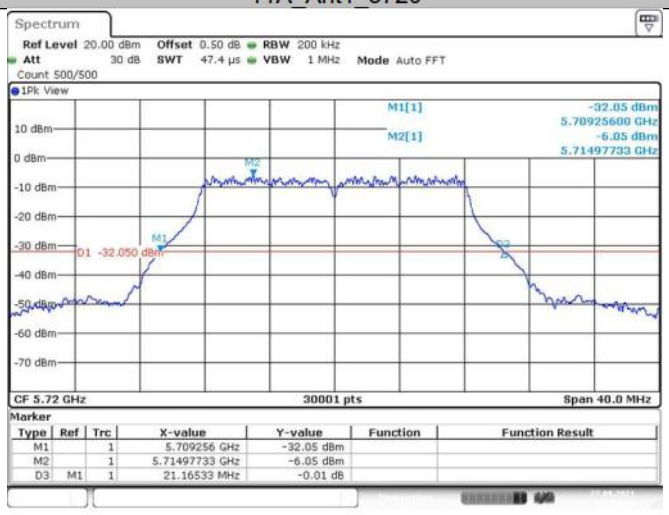
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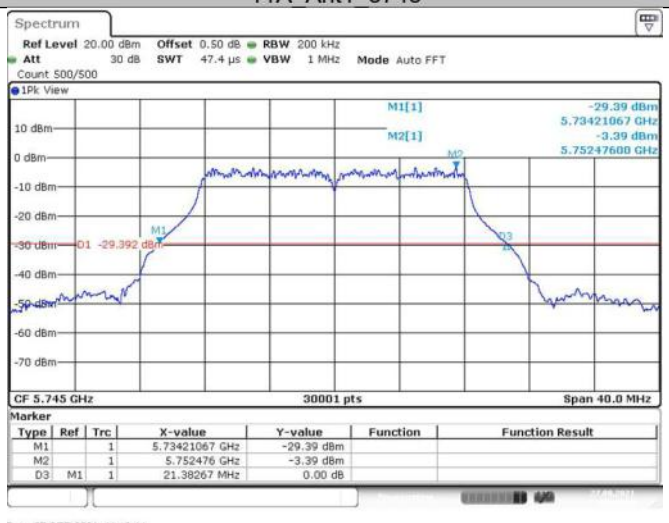

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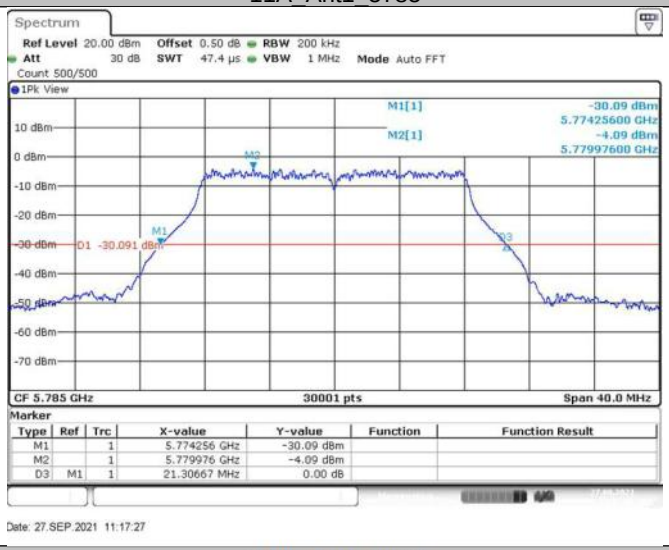
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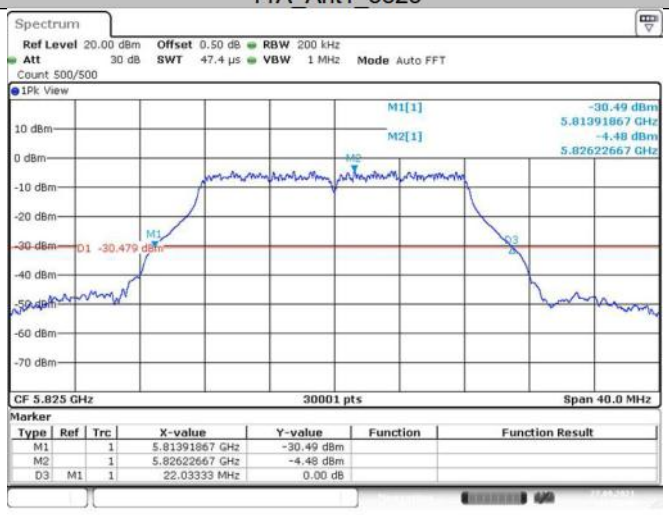
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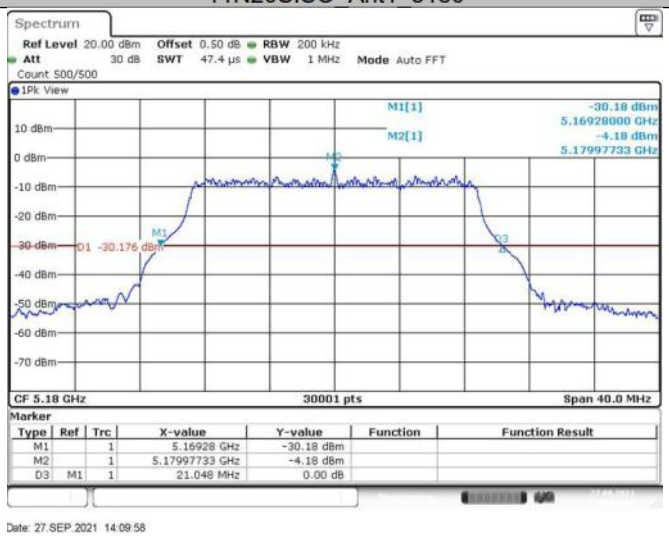

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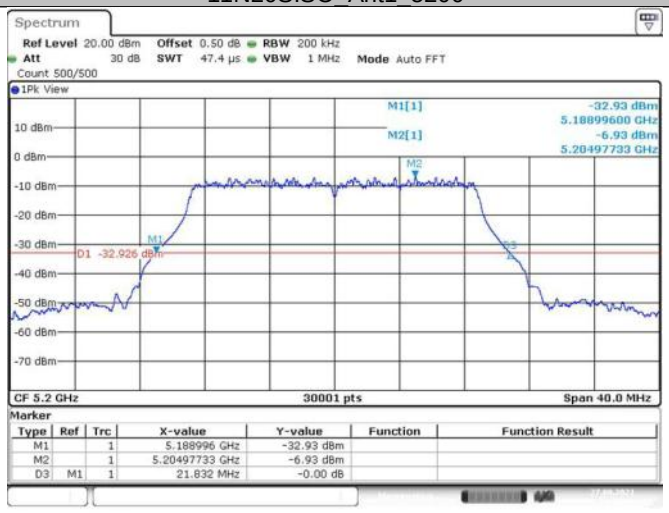

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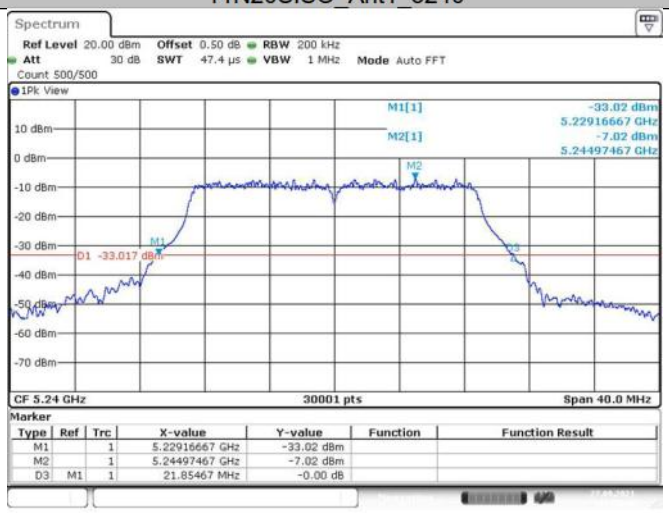

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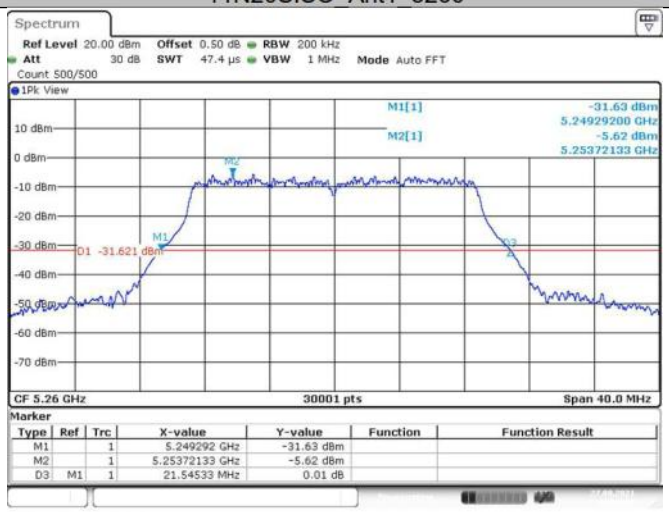

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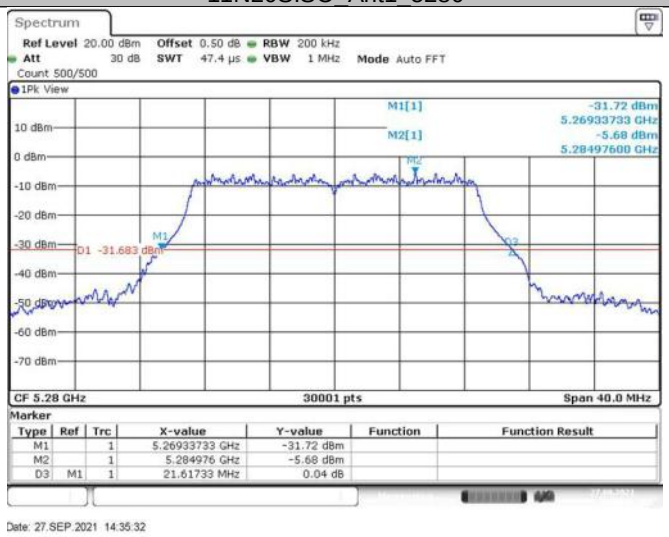
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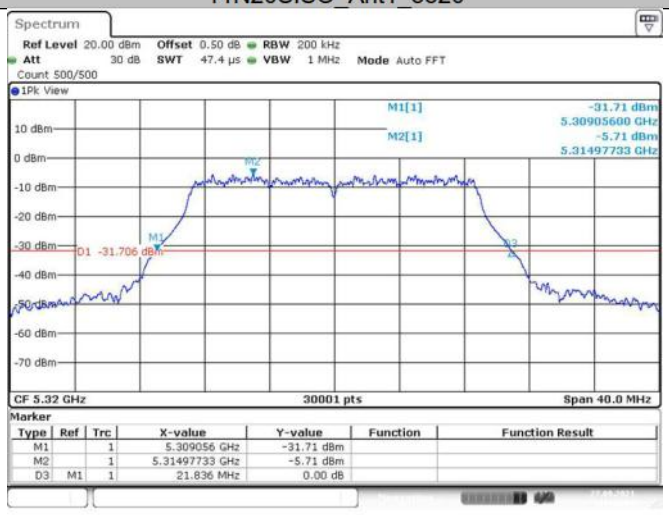
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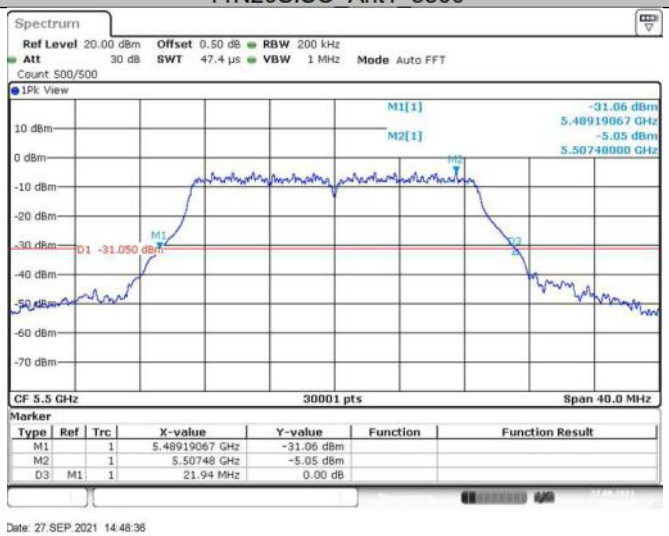

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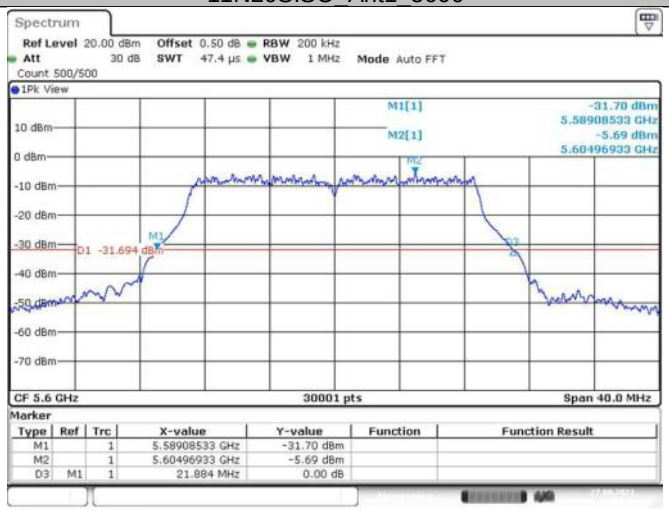
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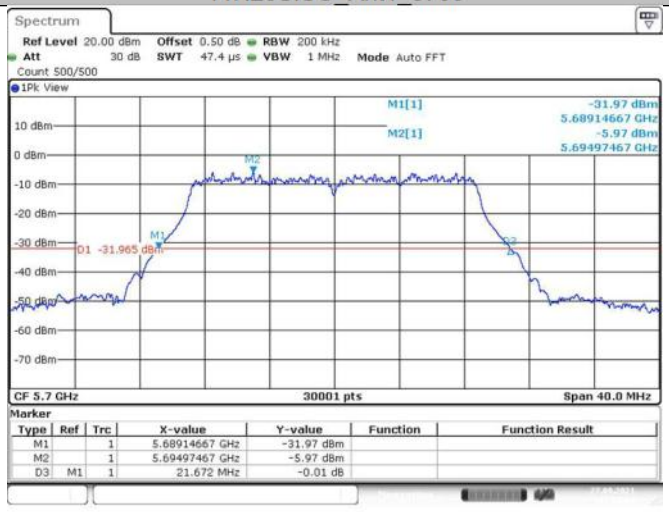
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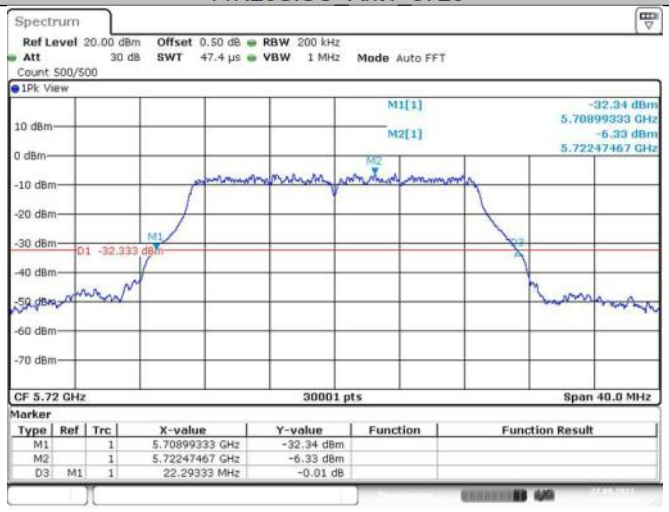

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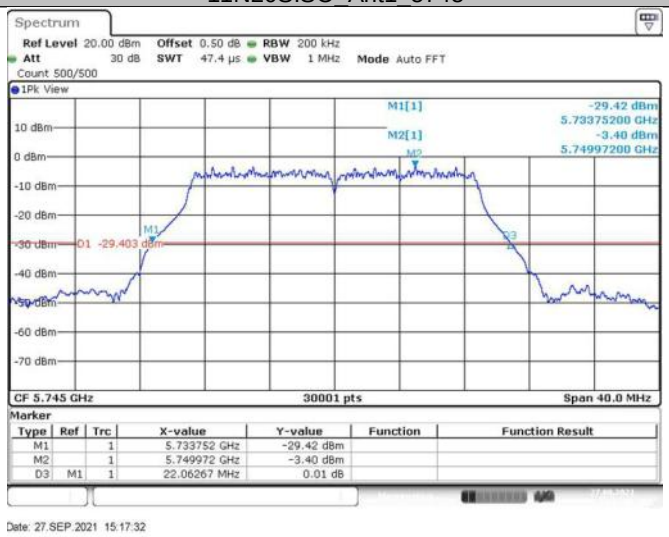

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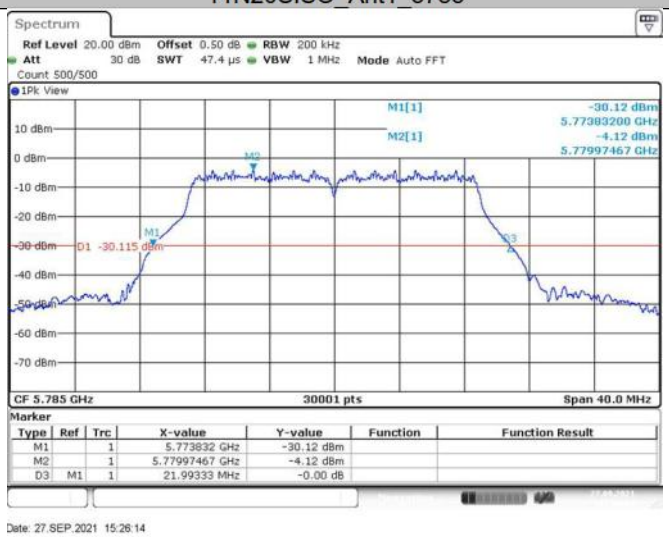

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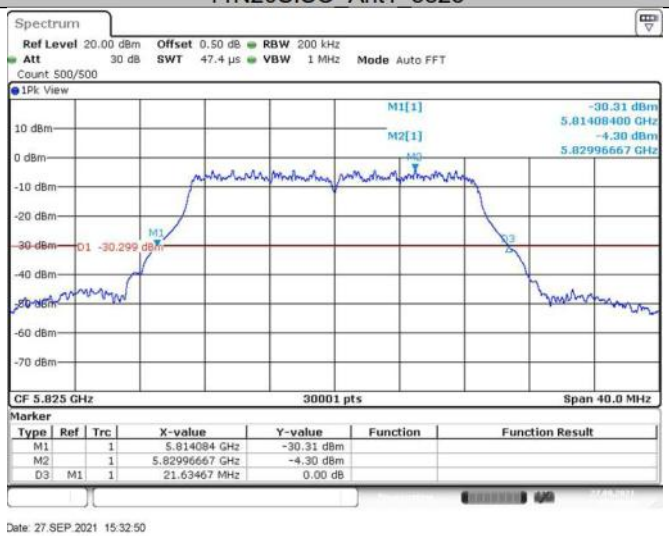

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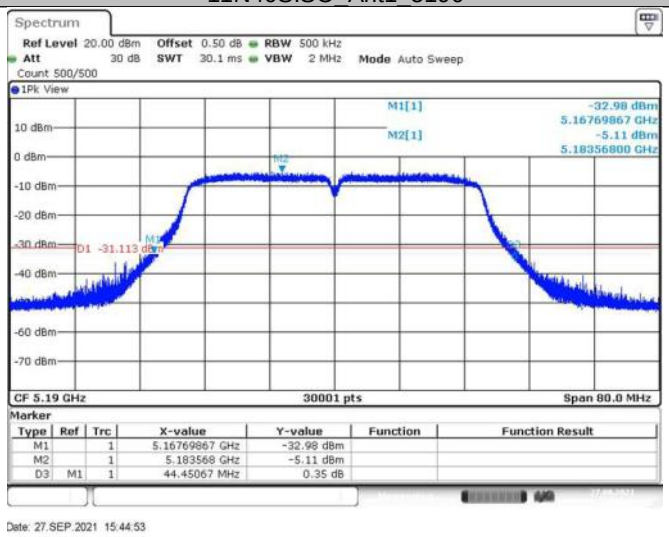
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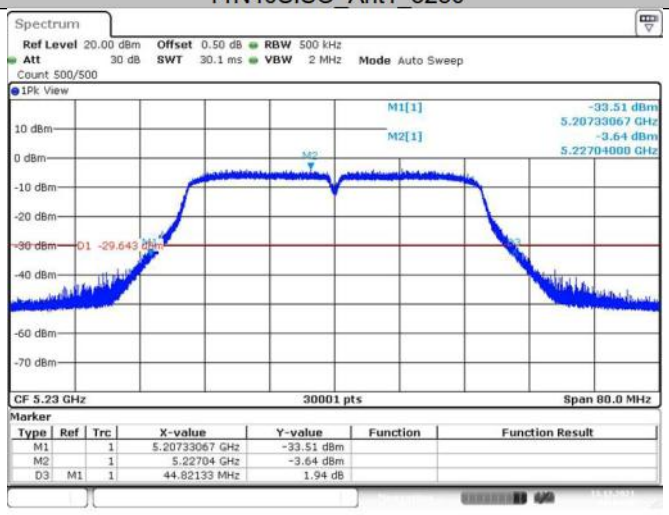
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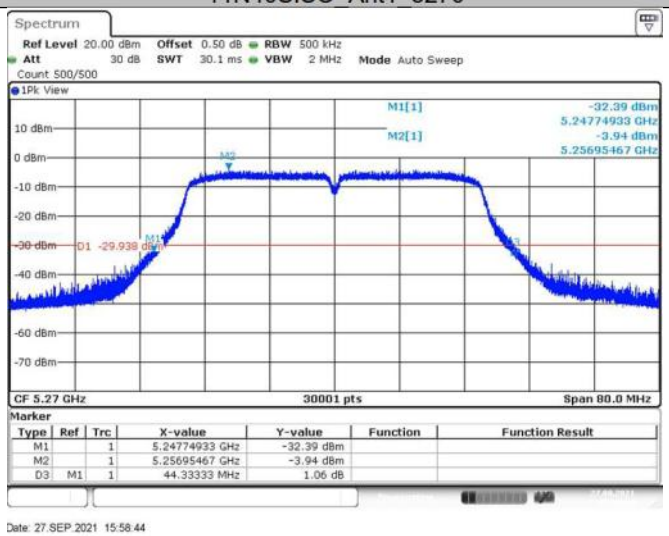

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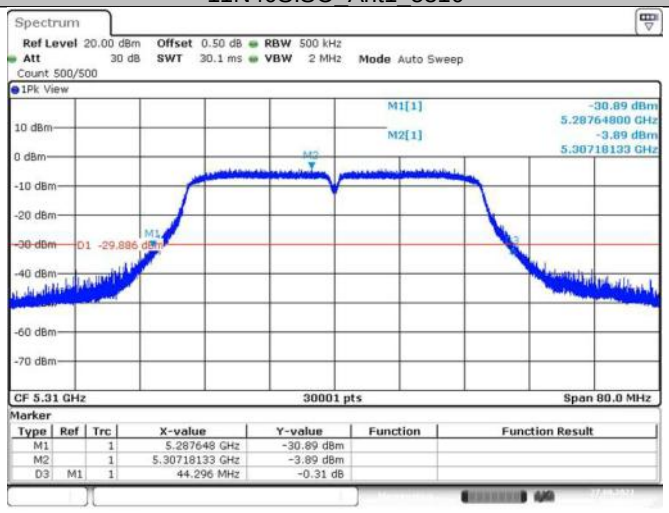
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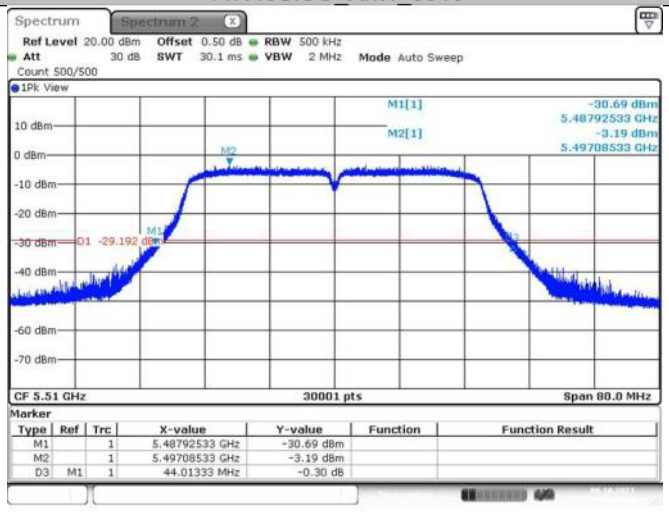
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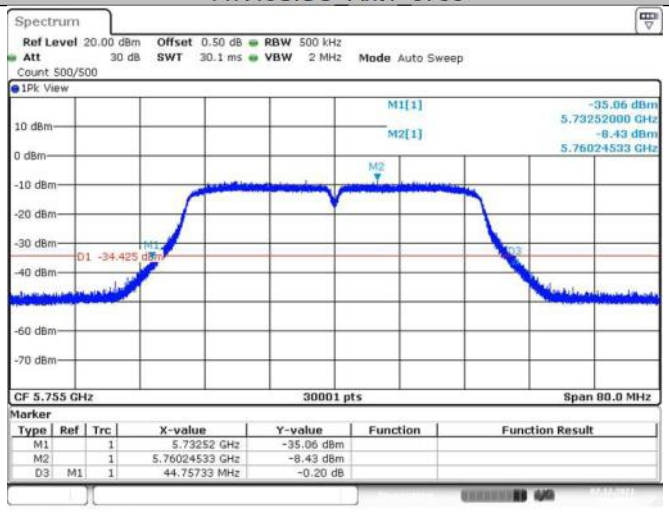

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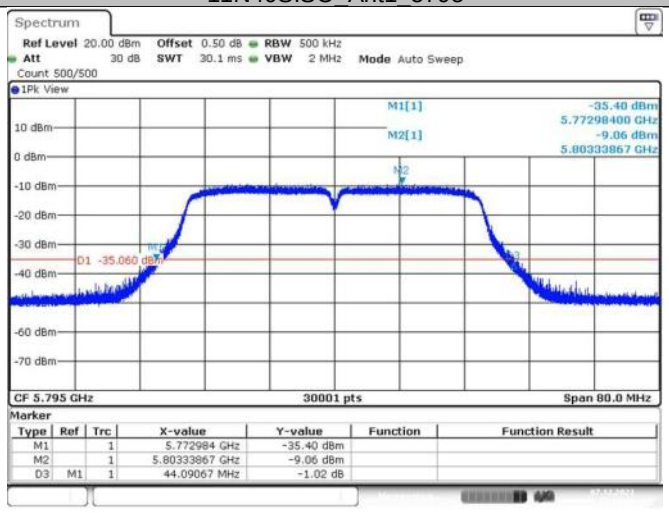
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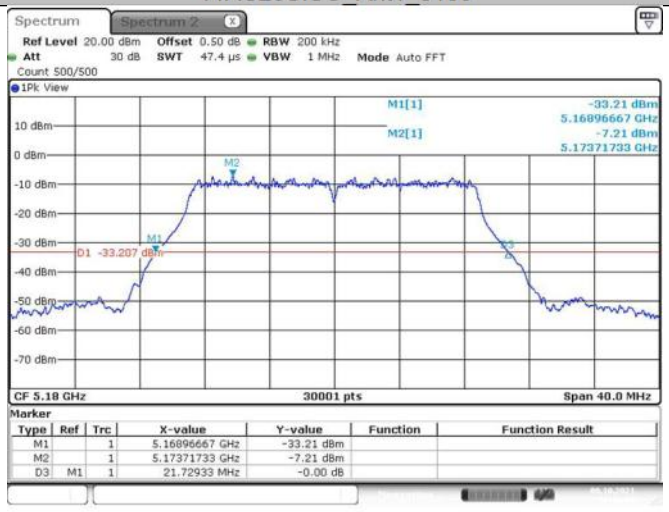
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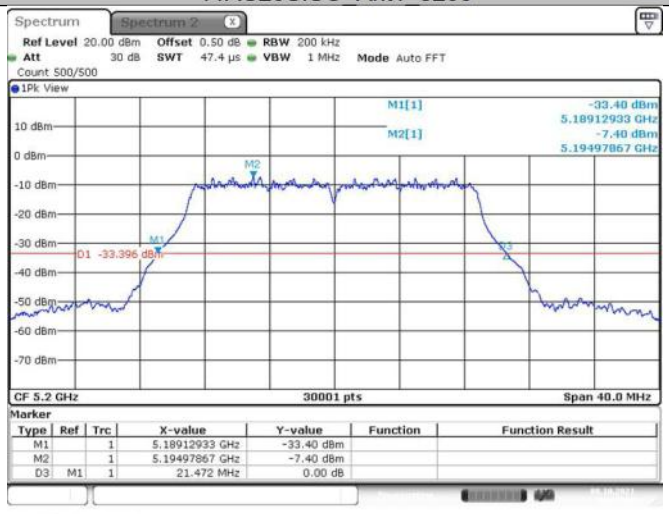

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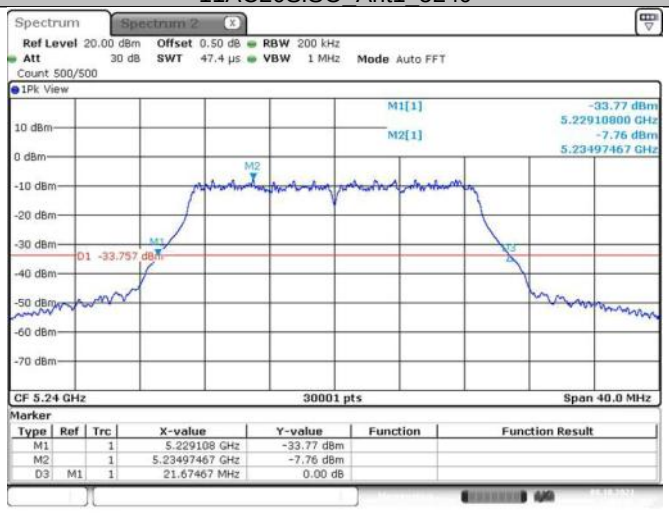
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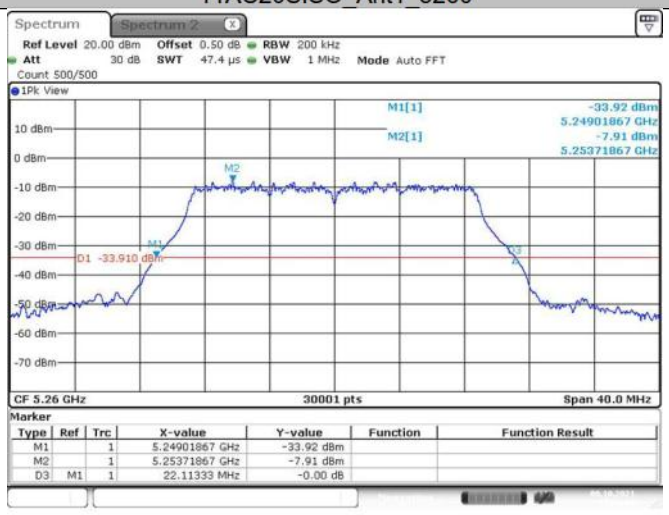
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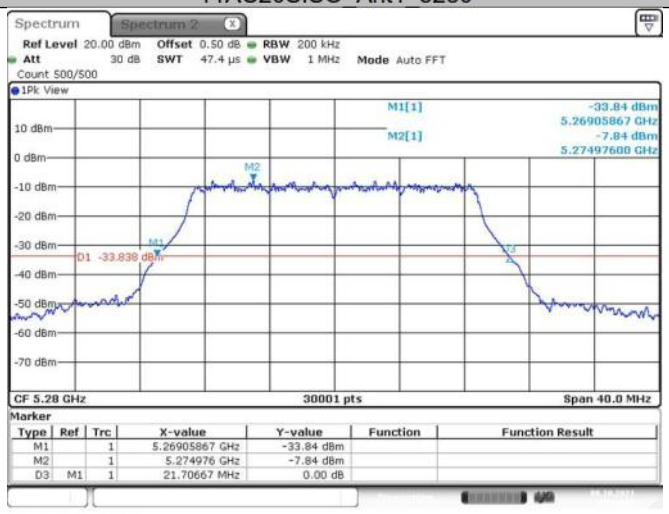

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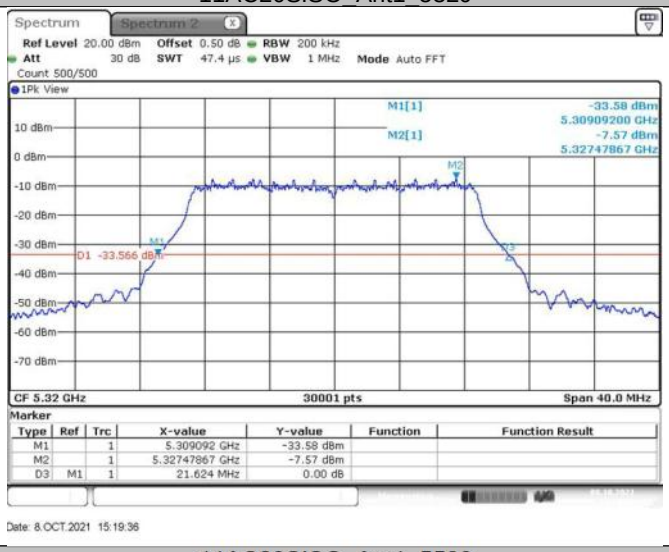
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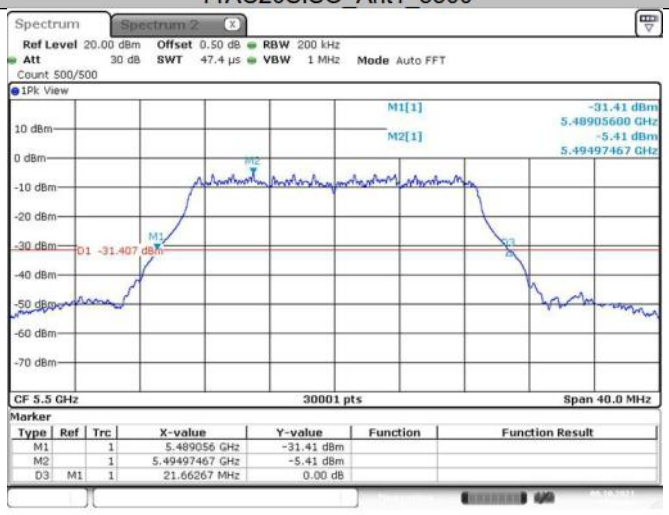
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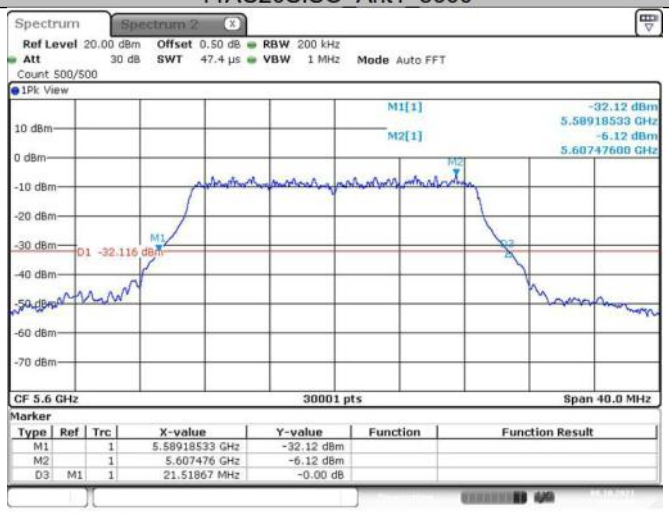

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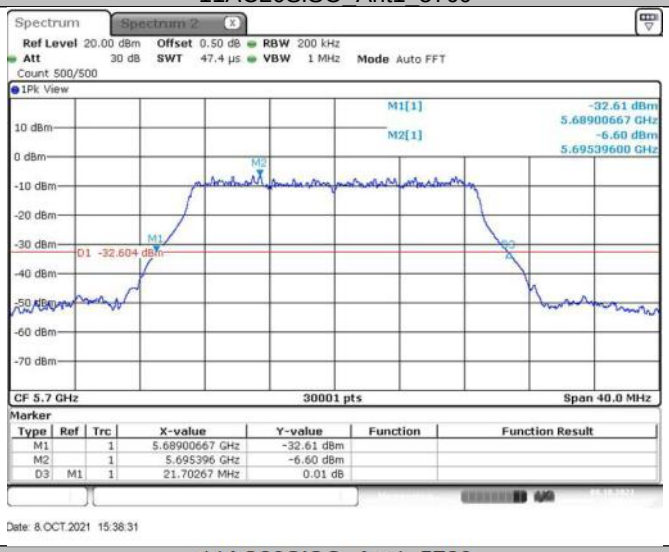
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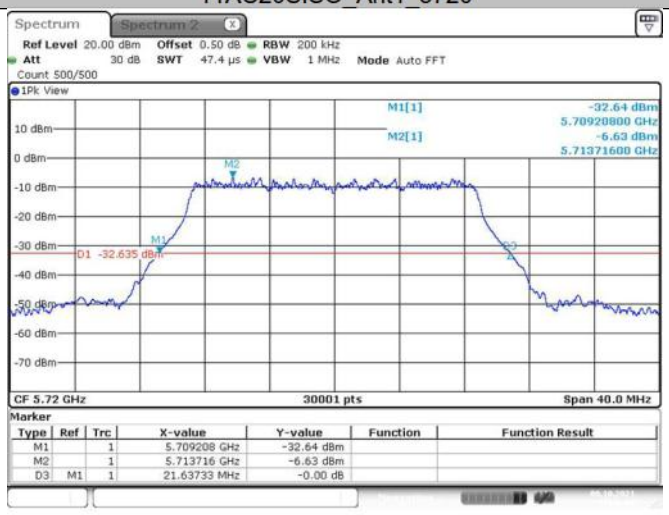
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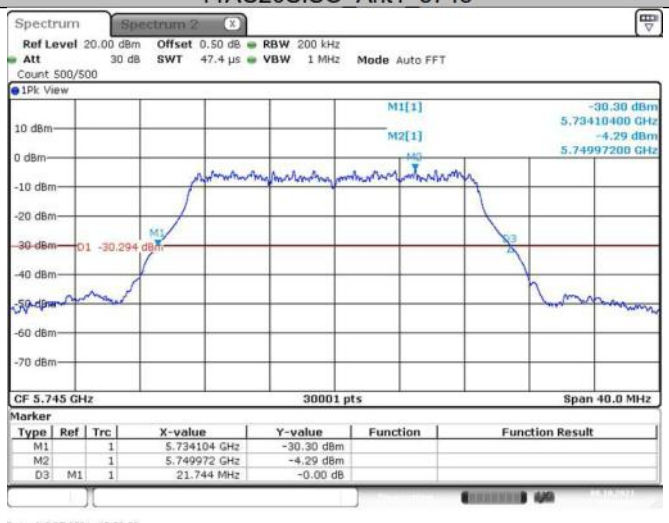

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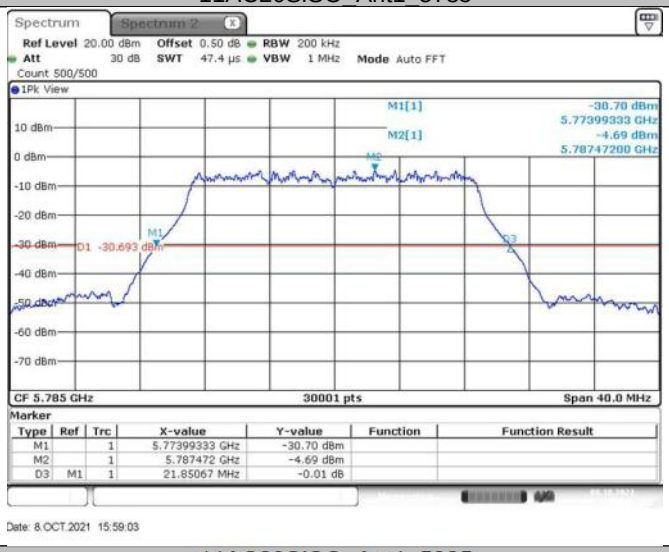
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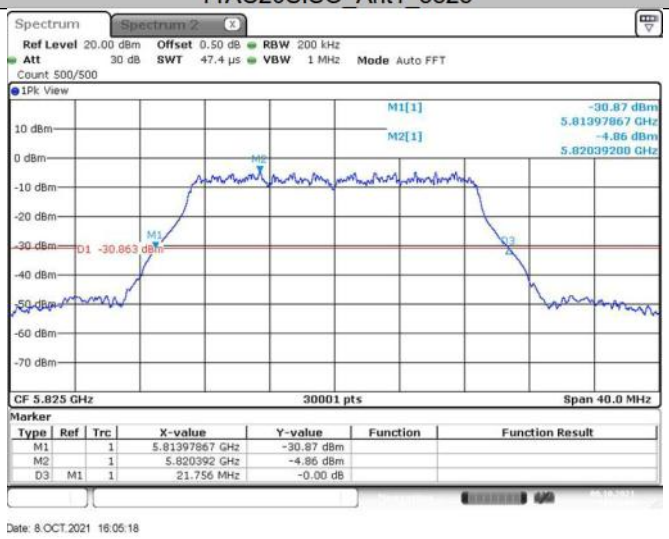
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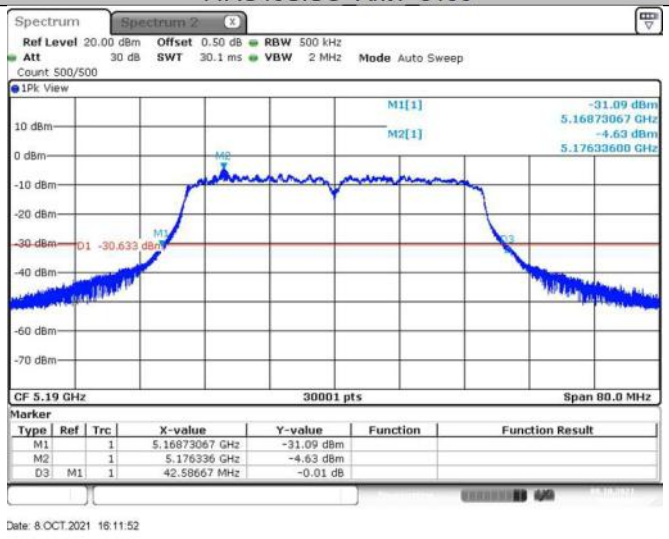

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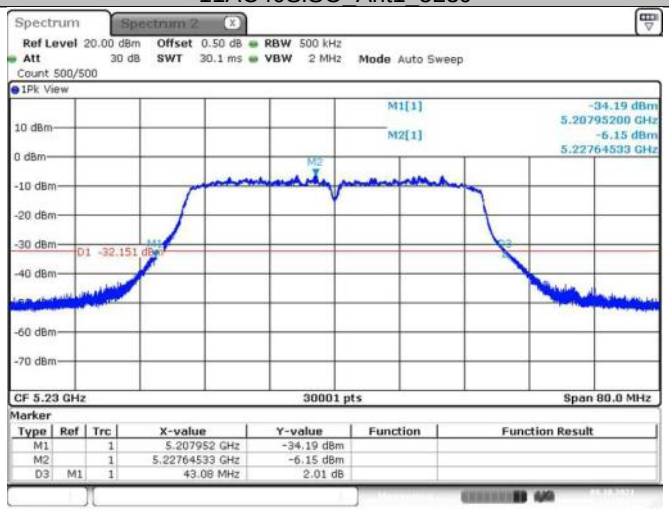
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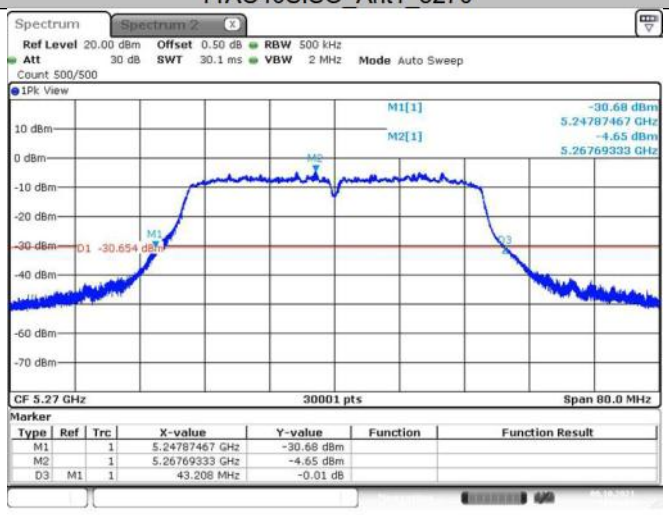
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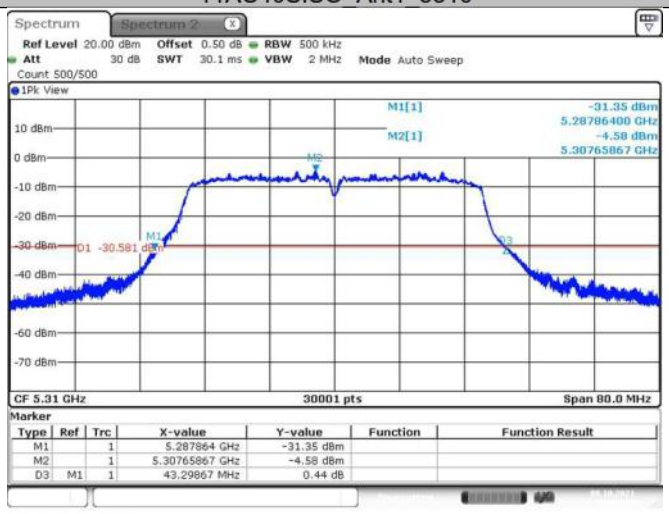

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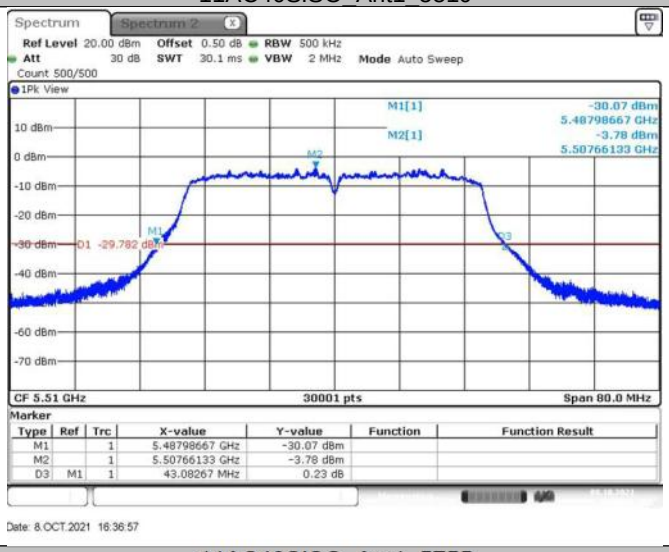

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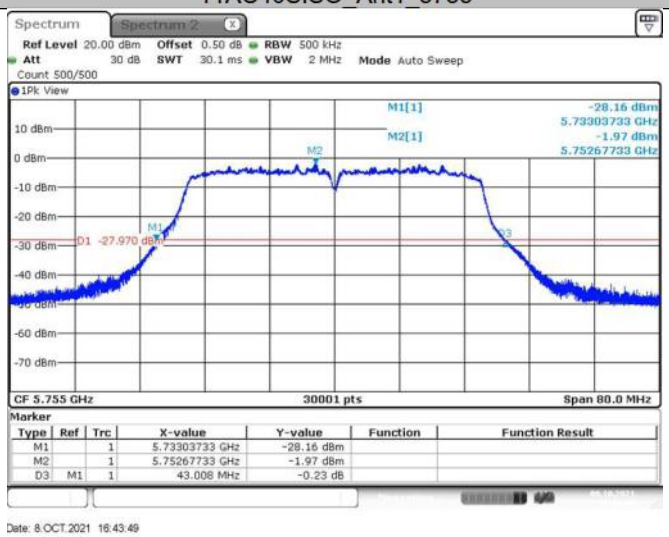

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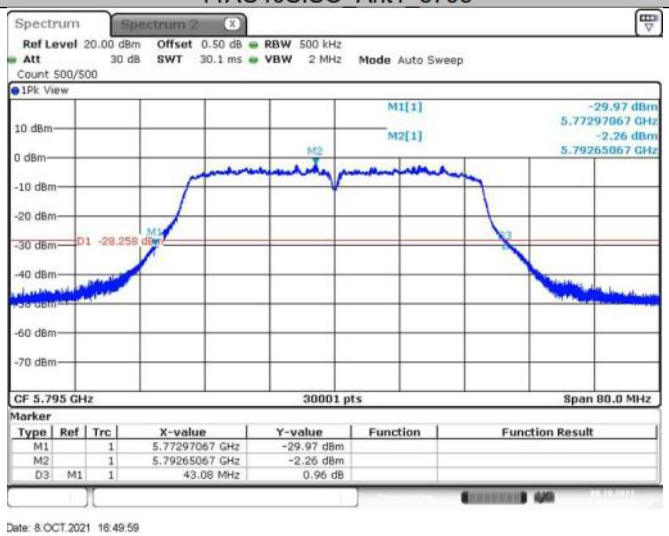

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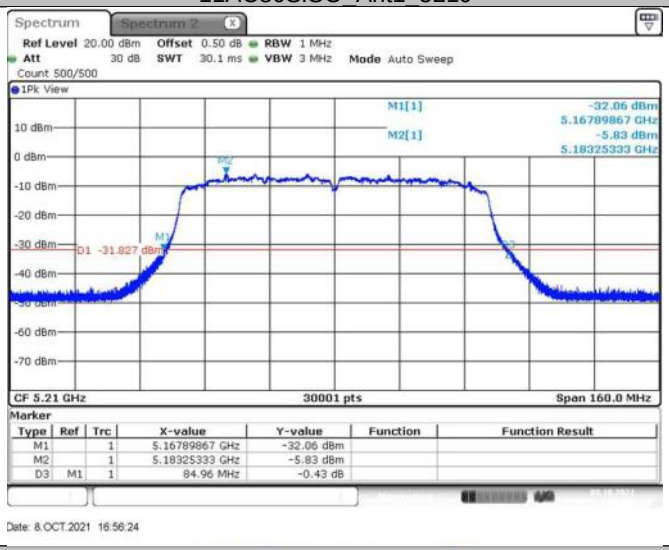

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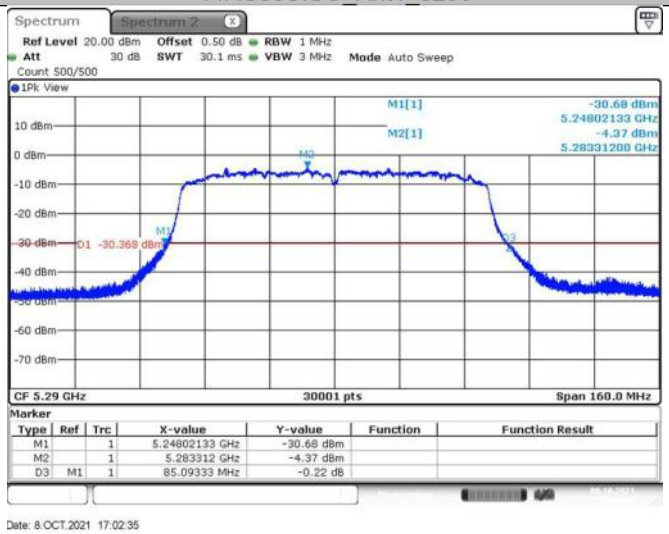

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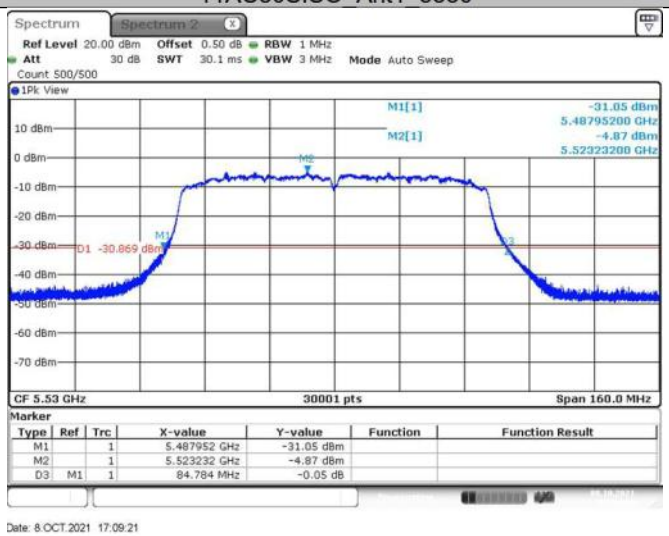

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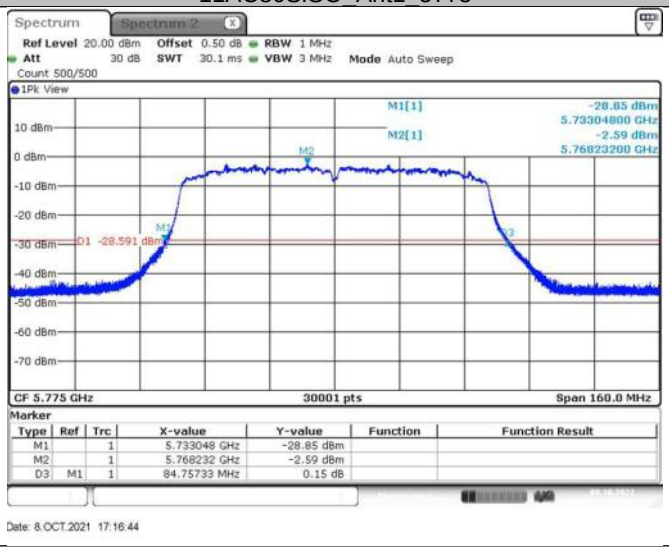
11AC80SISO_Ant1_5775


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99% Bandwidth Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.762	5171.064	5188.826	---	PASS
		5200	17.747	5191.064	5208.812	---	PASS
		5240	17.751	5231.078	5248.829	---	PASS
		5260	17.77	5251.078	5268.848	---	PASS
		5280	17.755	5271.088	5288.844	---	PASS
		5320	17.757	5311.078	5328.834	---	PASS
		5500	17.75	5491.074	5508.824	---	PASS
		5600	17.762	5591.079	5608.841	---	PASS
		5700	17.77	5691.066	5708.836	---	PASS
		5720	17.755	5711.078	5728.833	---	PASS
		5720_UNII-2C	13.922	5711.078	5725	---	PASS
		5720_UNII-3	3.833	5725	5728.833	---	PASS
		5745	17.759	5736.074	5753.833	---	PASS
		5785	17.749	5776.076	5793.825	---	PASS
		5825	17.741	5816.072	5833.813	---	PASS
11N20SISO	Ant1	5180	18.526	5170.704	5189.230	---	PASS
		5200	18.582	5190.674	5209.256	---	PASS
		5240	18.594	5230.676	5249.270	---	PASS
		5260	18.599	5250.675	5269.274	---	PASS
		5280	18.589	5270.680	5289.269	---	PASS
		5320	18.602	5310.671	5329.273	---	PASS
		5500	18.586	5490.684	5509.270	---	PASS
		5600	18.587	5590.675	5609.262	---	PASS
		5700	18.581	5690.678	5709.258	---	PASS
		5720	18.602	5710.668	5729.270	---	PASS
		5720_UNII-2C	14.332	5710.668	5725	---	PASS
		5720_UNII-3	4.27	5725	5729.270	---	PASS
		5745	18.59	5735.670	5754.260	---	PASS
		5785	18.589	5775.672	5794.261	---	PASS
		5825	18.587	5815.666	5834.253	---	PASS
11N40SISO	Ant1	5190	36.687	5171.595	5208.282	---	PASS
		5230	36.689	5211.585	5248.274	---	PASS
		5270	36.705	5251.601	5288.306	---	PASS
		5310	36.687	5291.646	5328.333	---	PASS
		5510	36.692	5491.633	5528.325	---	PASS
		5755	36.66	5736.619	5773.279	---	PASS
		5795	36.663	5776.630	5813.293	---	PASS
11AC20SISO	Ant1	5180	18.55	5170.651	5189.201	---	PASS
		5200	18.605	5190.656	5209.261	---	PASS
		5240	18.554	5230.662	5249.216	---	PASS
		5260	18.701	5250.660	5269.361	---	PASS
		5280	18.563	5270.659	5289.222	---	PASS
		5320	18.553	5310.668	5329.221	---	PASS
		5500	18.551	5490.662	5509.213	---	PASS
		5600	18.547	5590.664	5609.212	---	PASS
		5700	18.561	5690.656	5709.217	---	PASS
		5720	18.551	5710.663	5729.214	---	PASS
		5720_UNII-2C	14.337	5710.663	5725	---	PASS
		5720_UNII-3	4.214	5725	5729.214	---	PASS
		5745	18.554	5735.660	5754.214	---	PASS
		5785	18.553	5775.654	5794.206	---	PASS
		5825	18.551	5815.650	5834.201	---	PASS

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11AC40SISO	Ant1	5190	37.001	5171.457	5208.458	---	PASS
		5230	36.777	5211.459	5248.237	---	PASS
		5270	36.767	5251.489	5288.255	---	PASS
		5310	36.775	5291.486	5328.261	---	PASS
		5510	36.783	5491.475	5528.258	---	PASS
		5755	36.759	5736.478	5773.237	---	PASS
		5795	36.772	5776.465	5813.237	---	PASS
11AC80SISO	Ant1	5210	75.091	5172.519	5247.609	---	PASS
		5290	75.043	5252.631	5327.673	---	PASS
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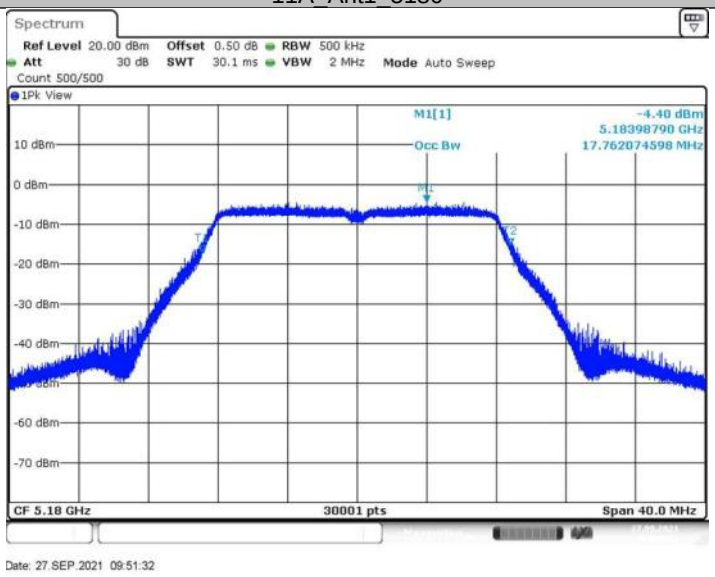
11A_Ant1_5180



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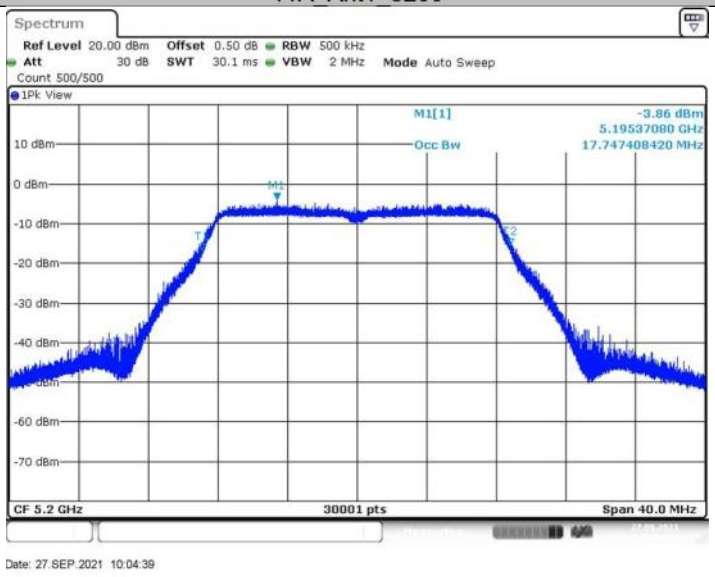

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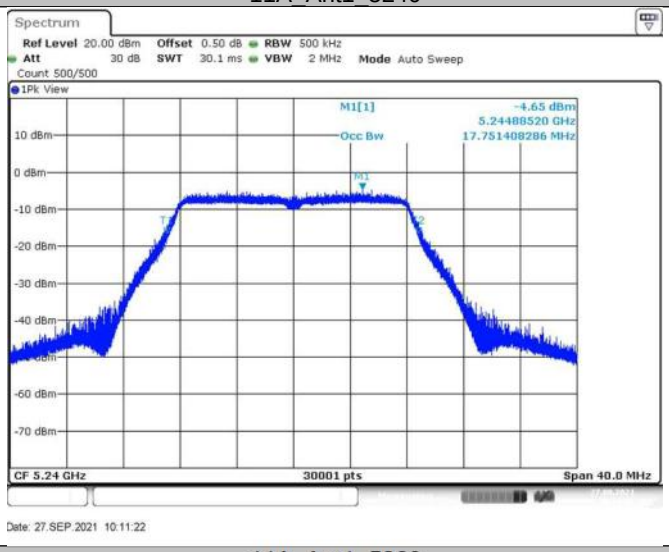
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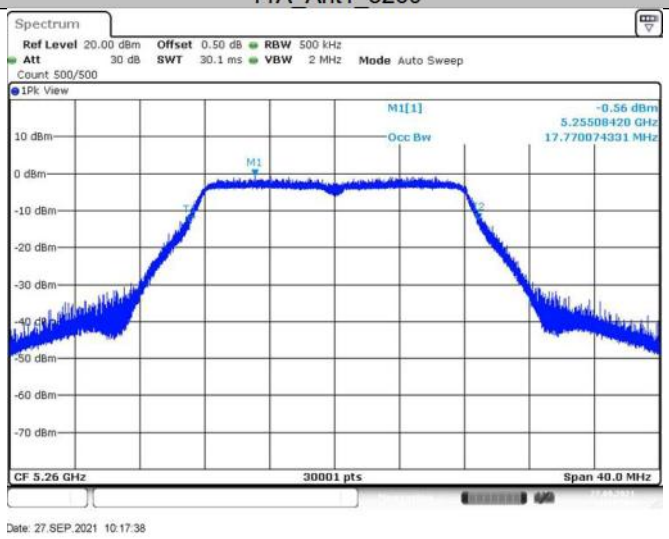
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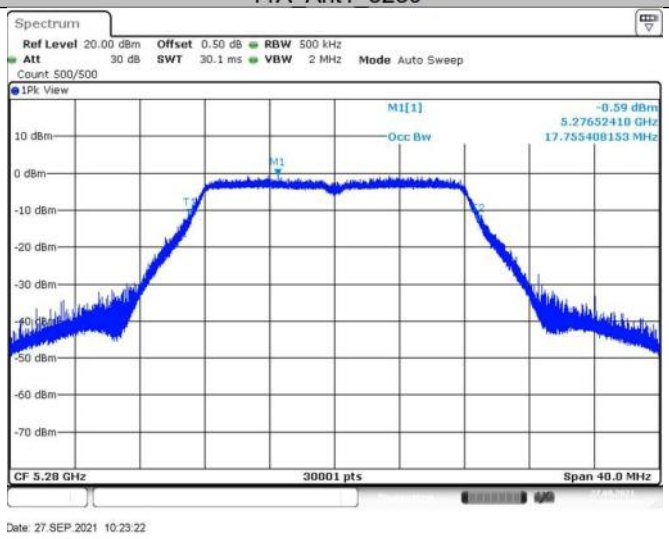

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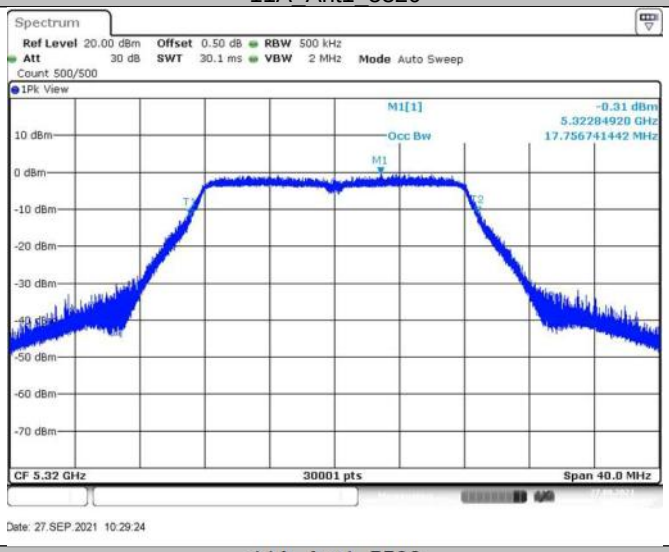
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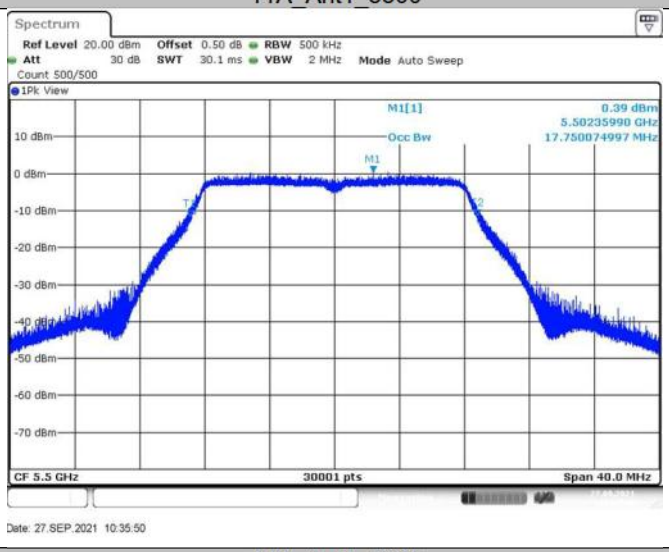
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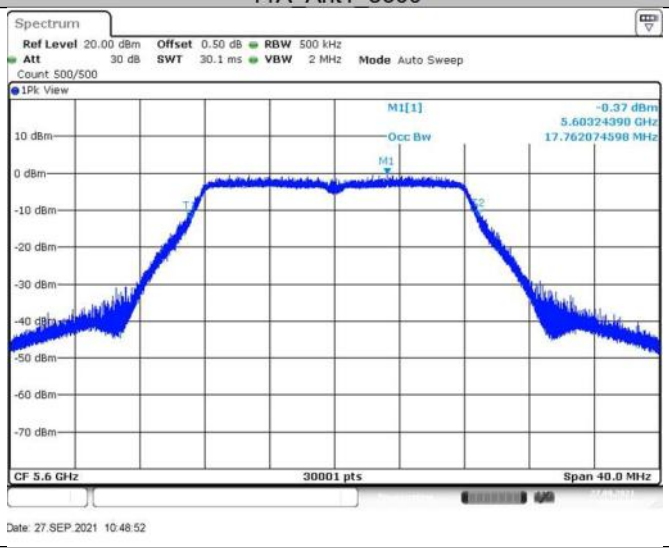

China

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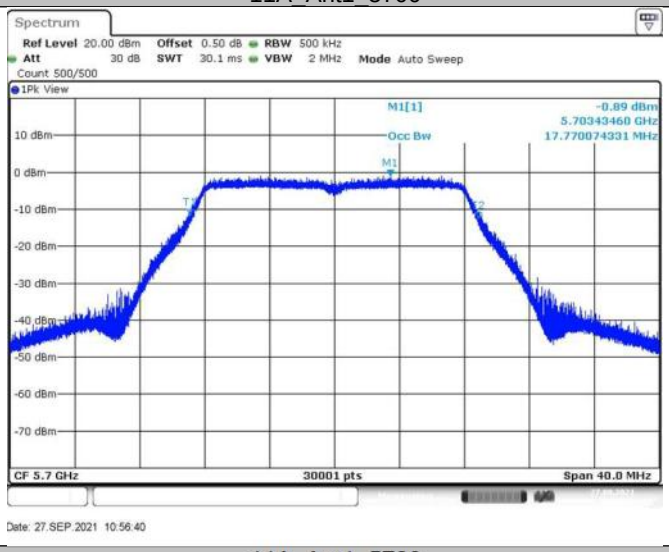
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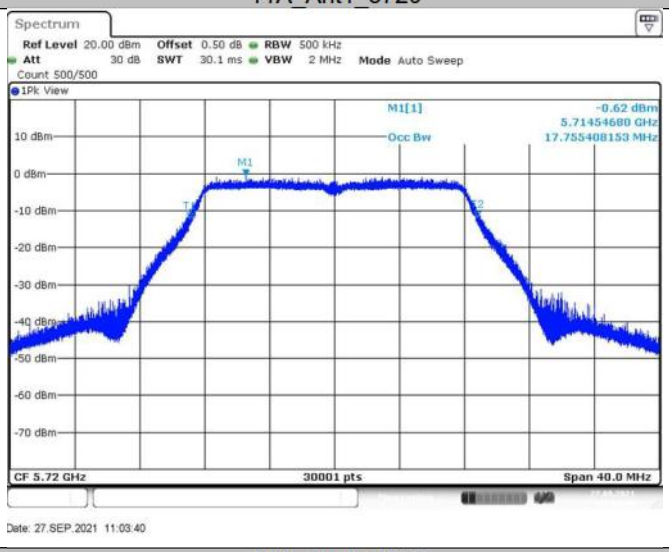
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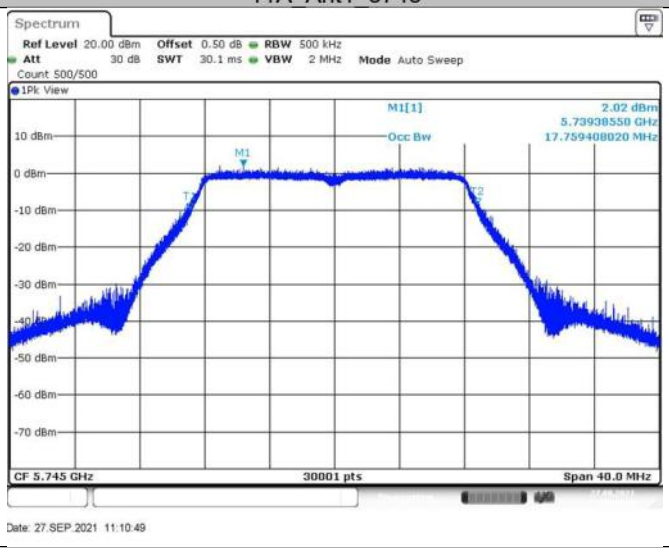

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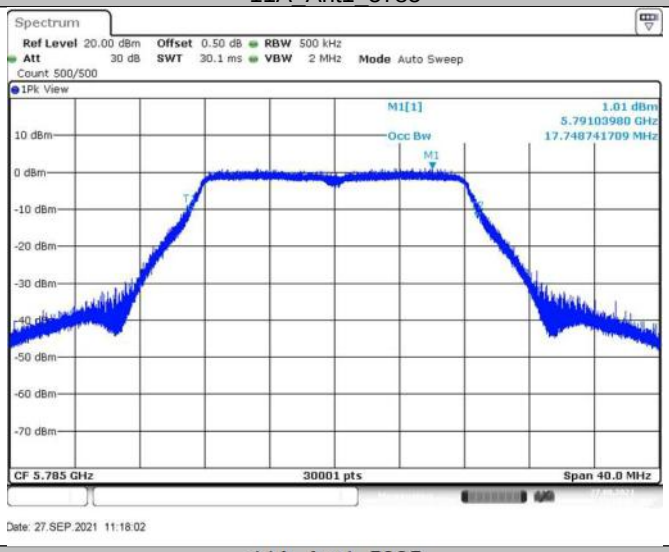
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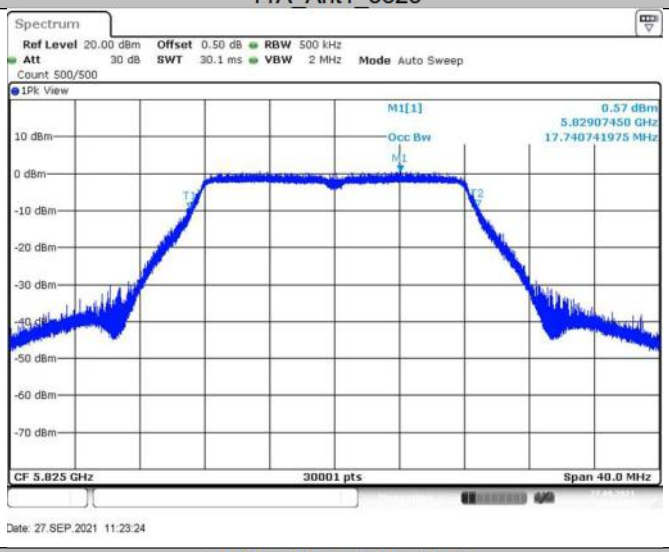
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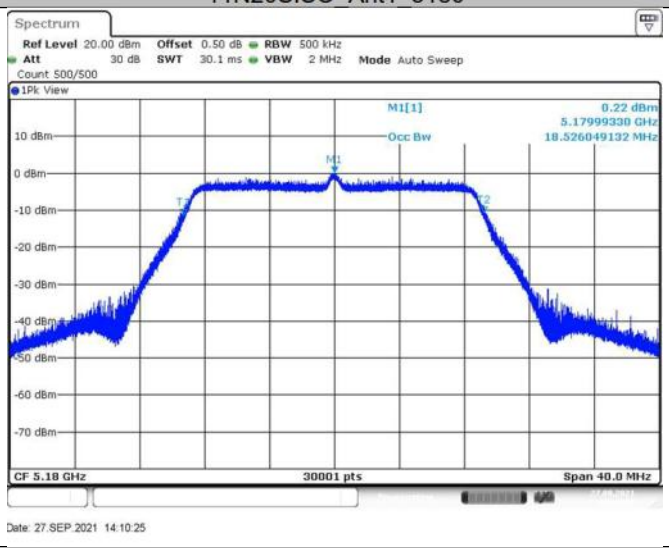

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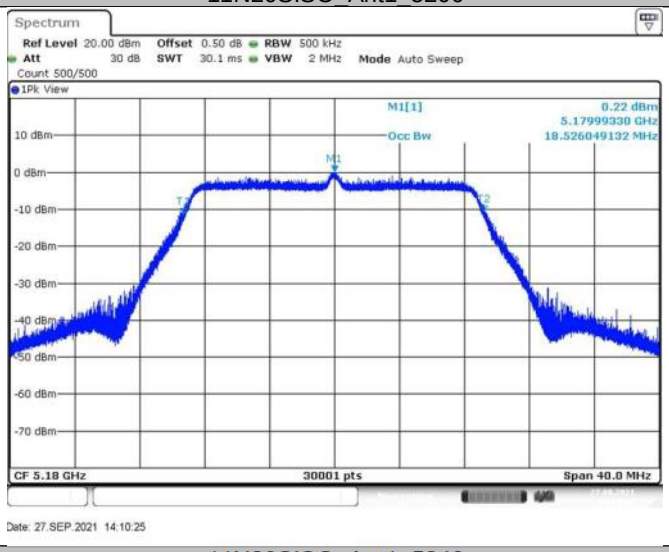
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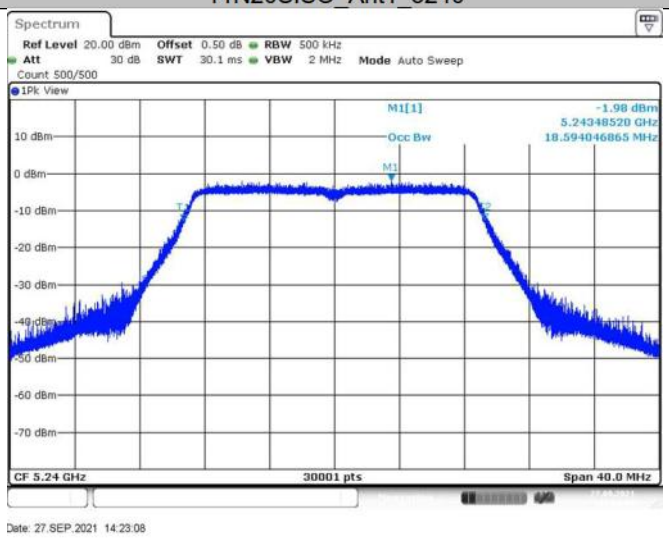
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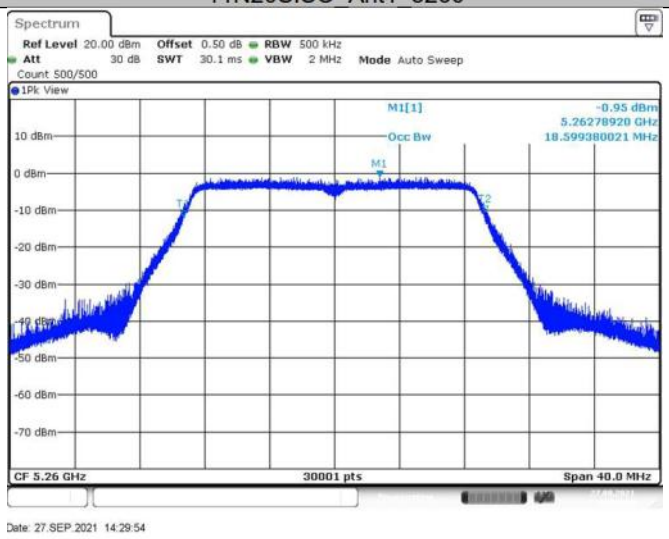

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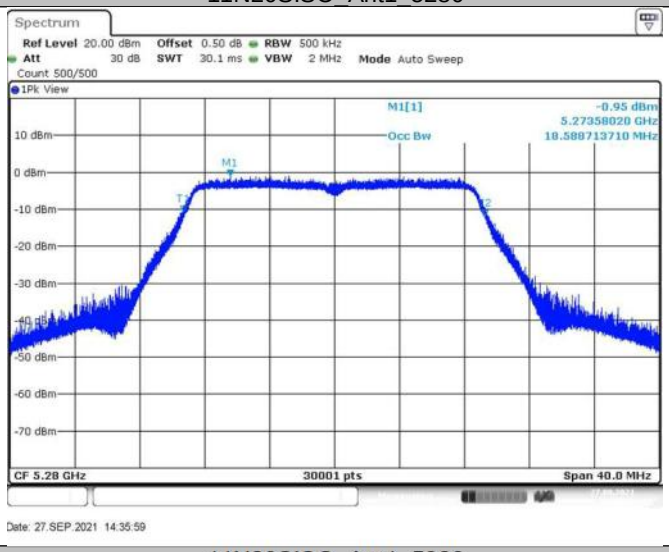
11N20SISO_Ant1_5280

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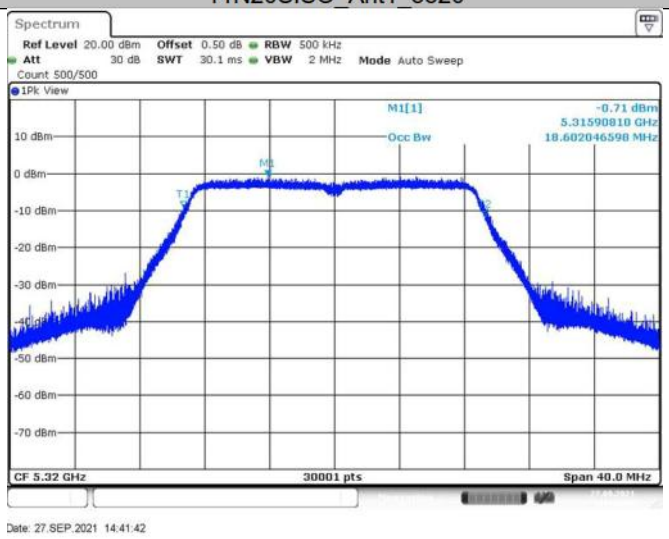
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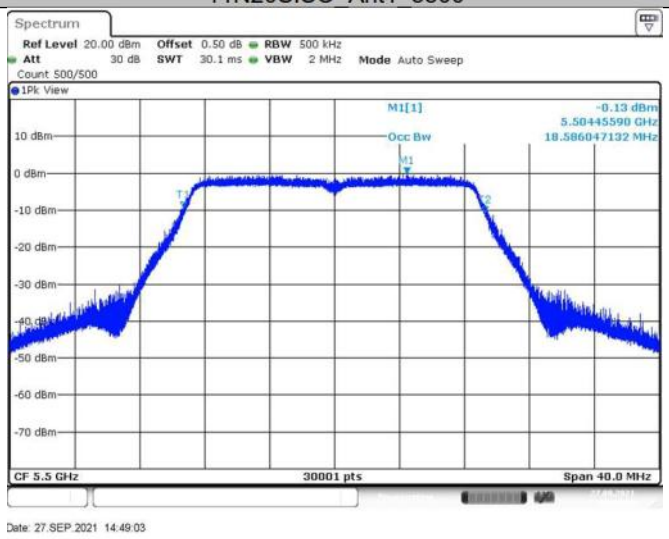

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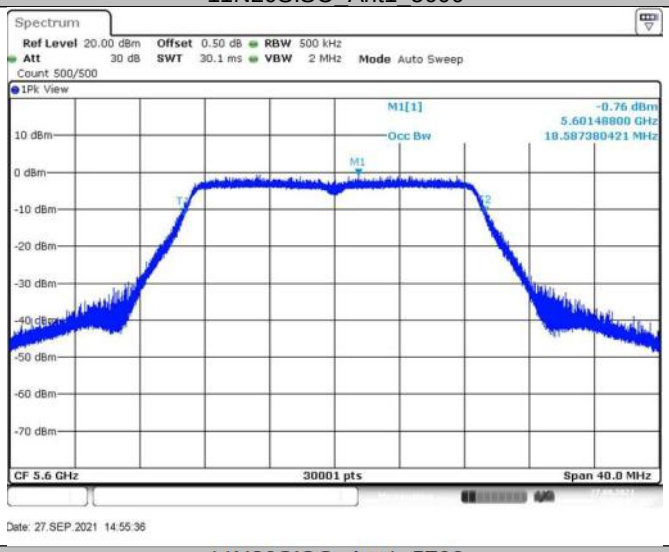
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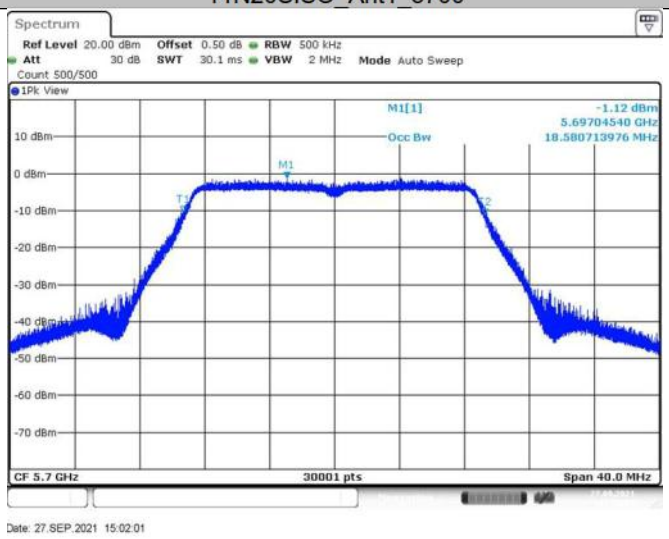
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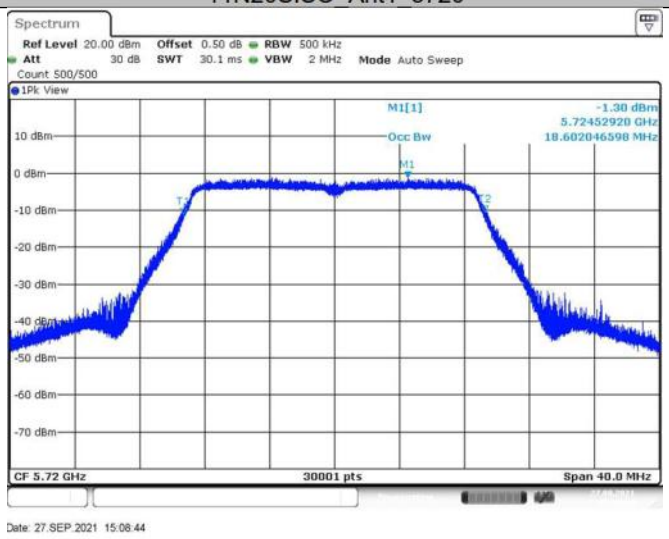

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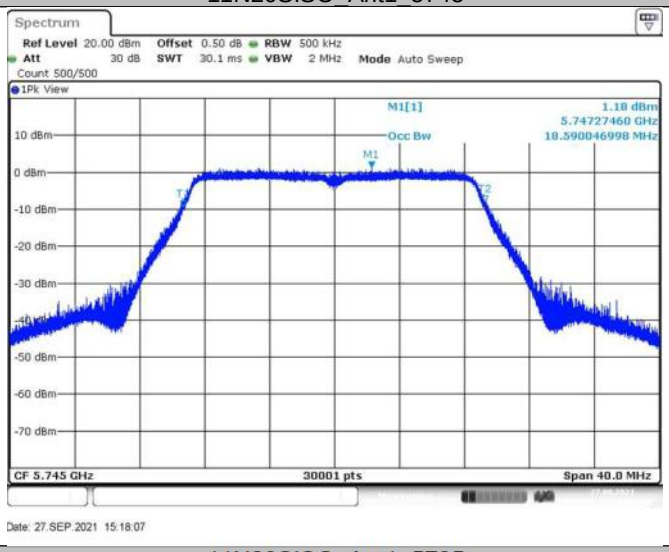
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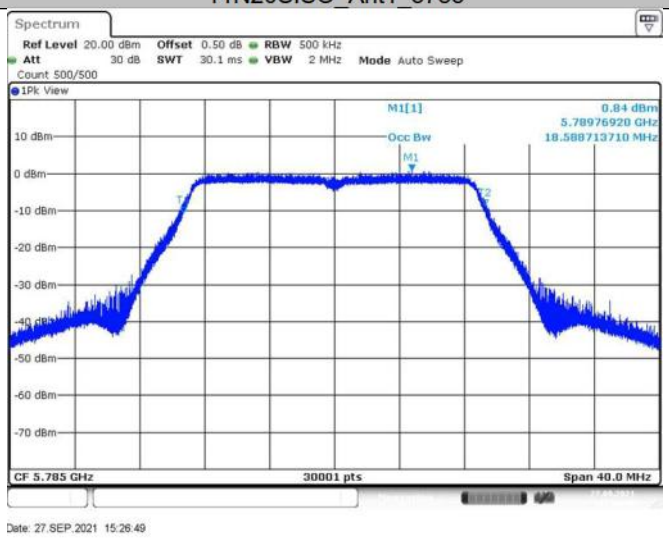
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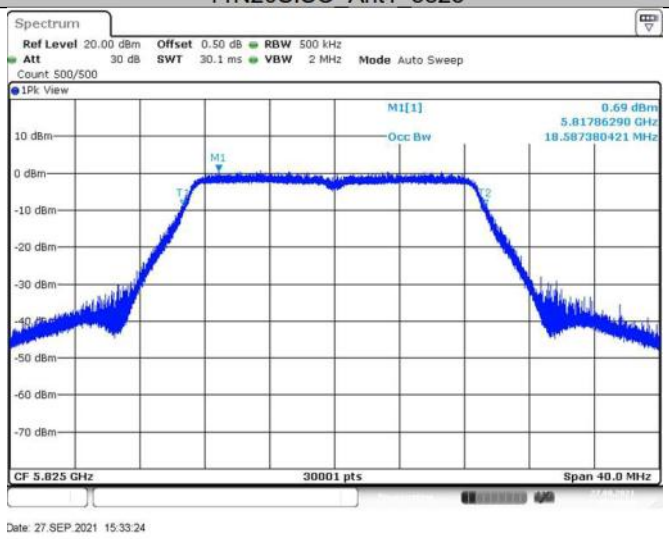

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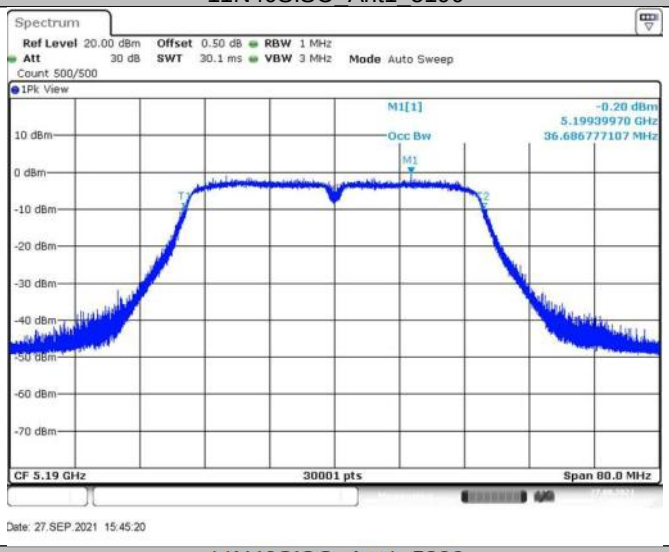
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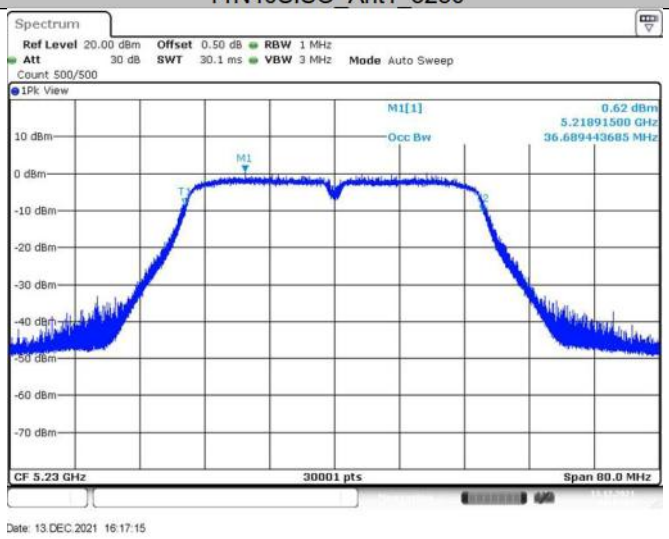
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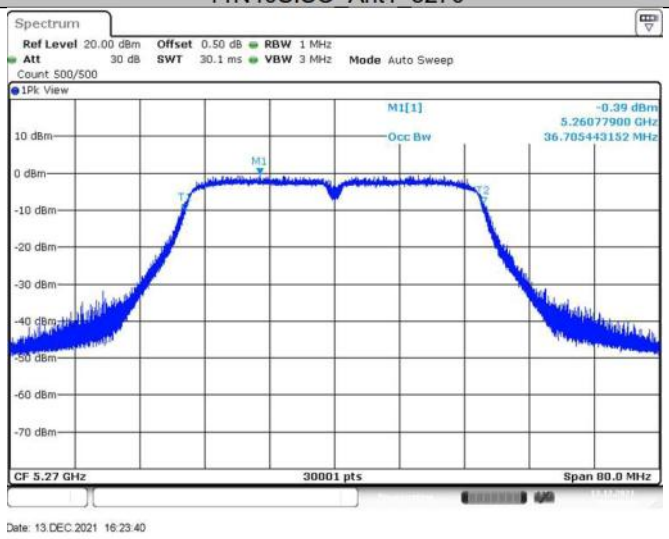

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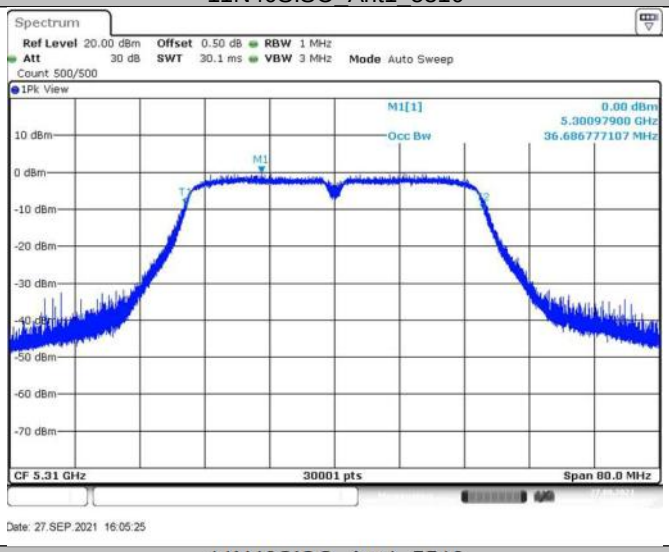
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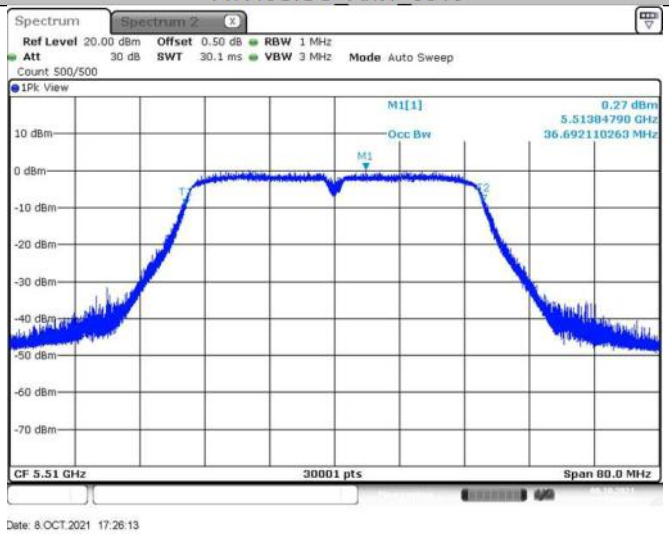
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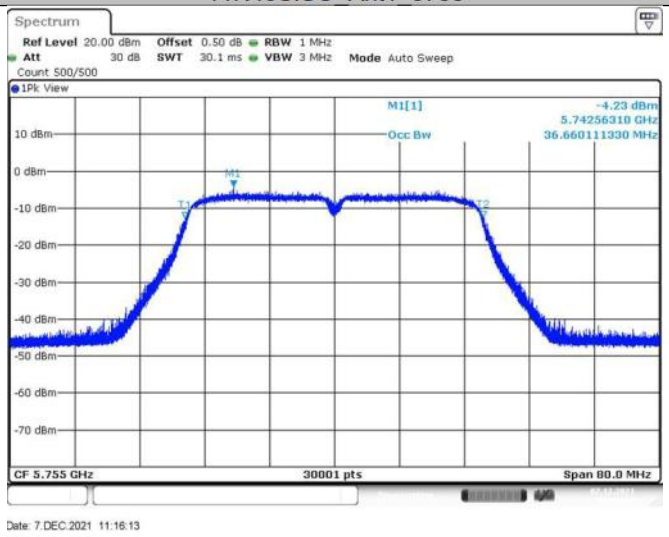

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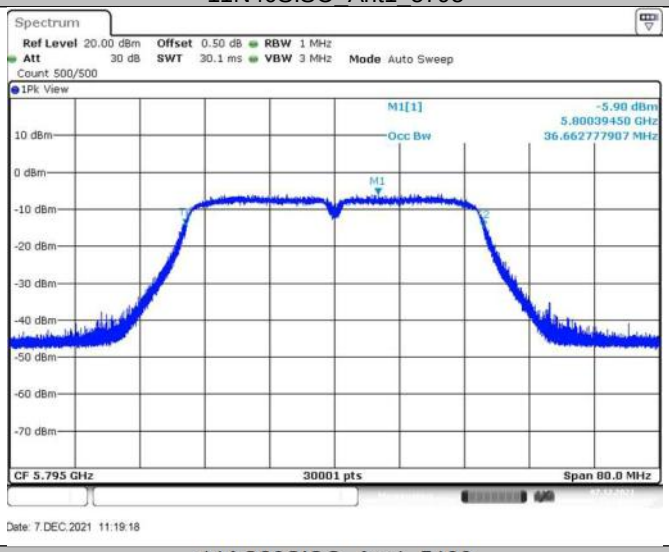
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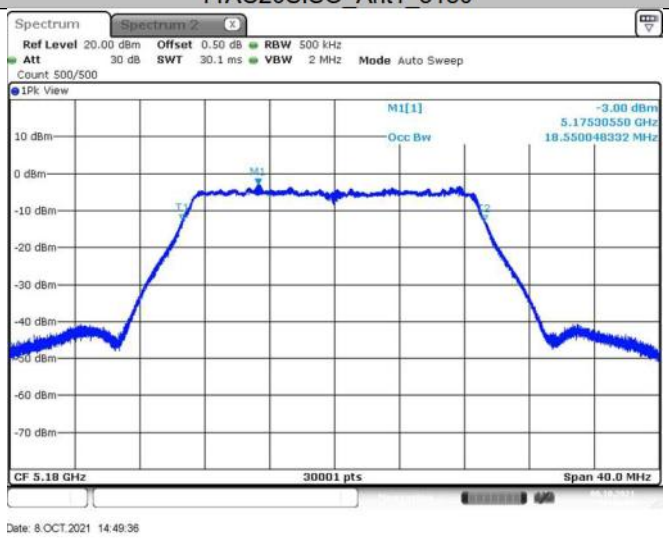
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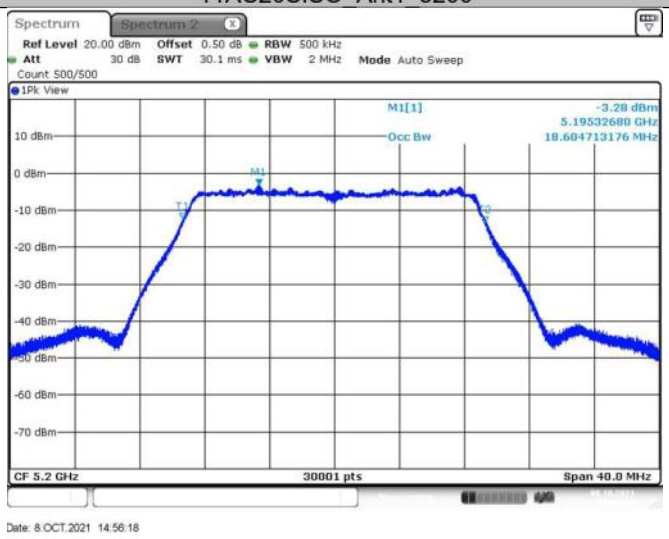

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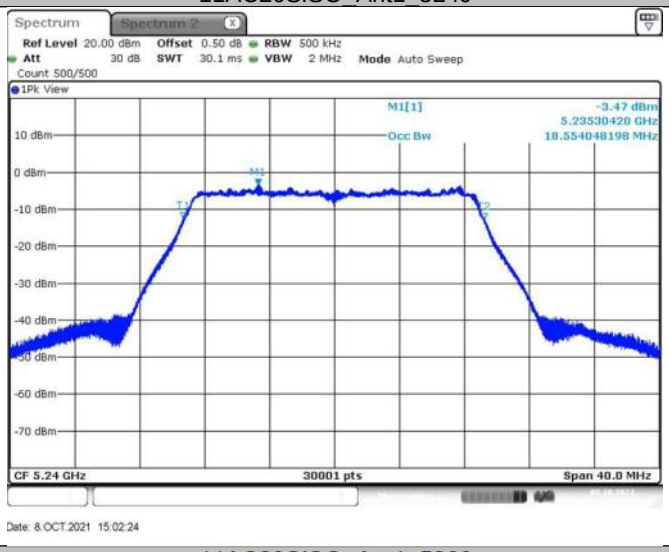
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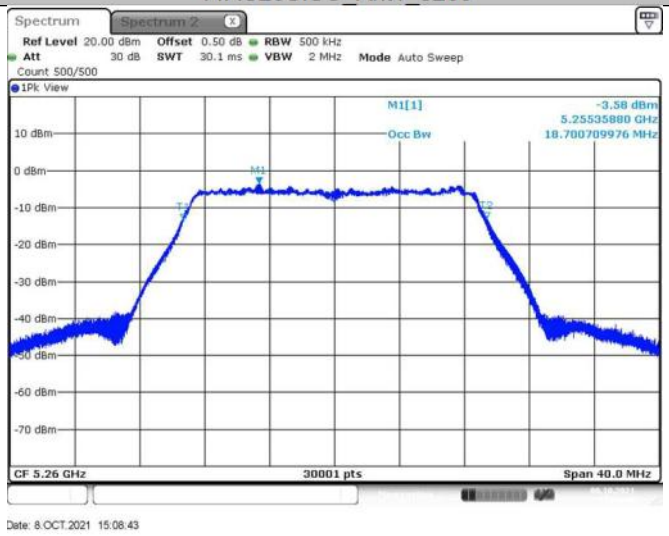
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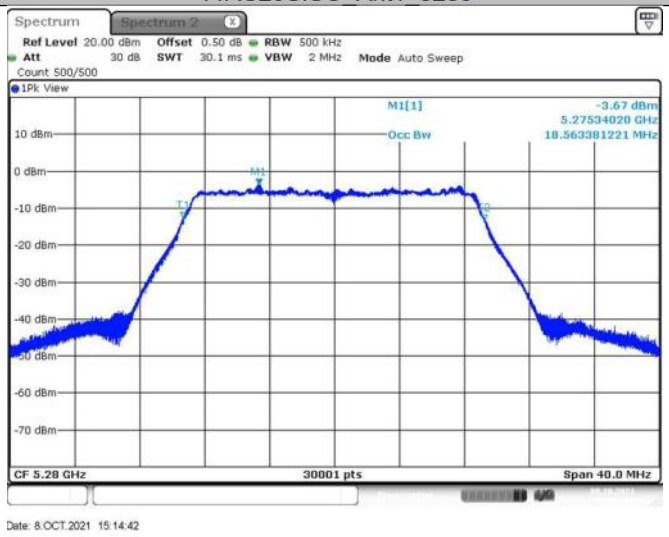

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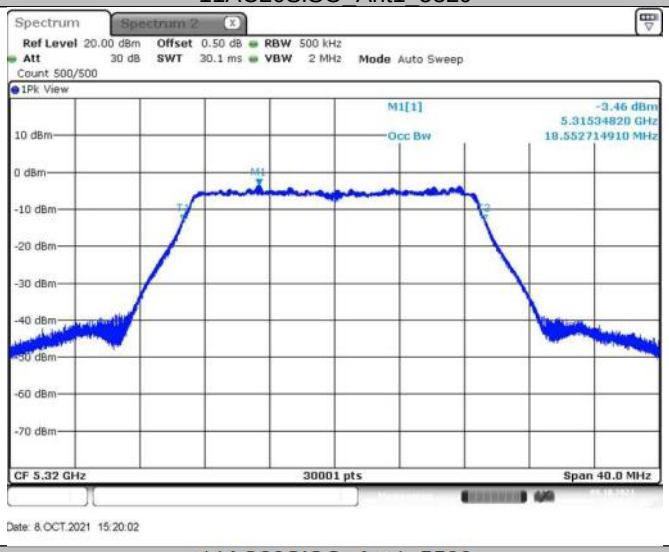
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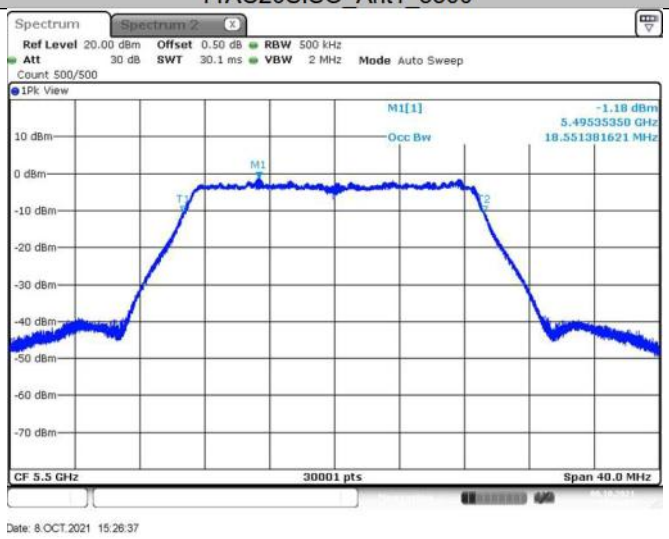
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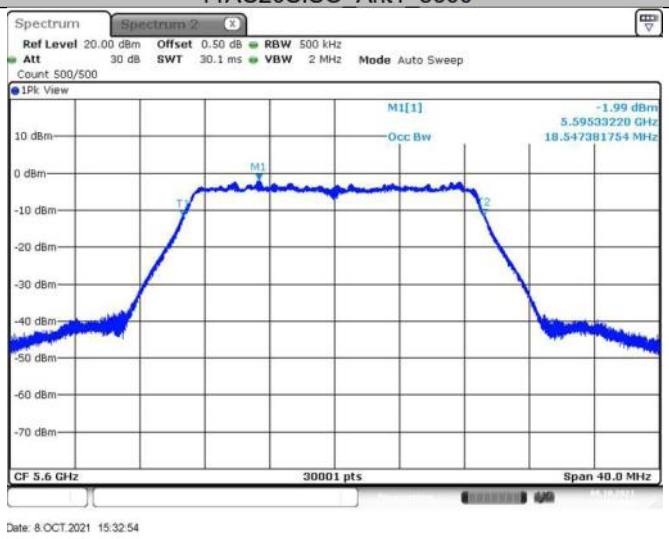

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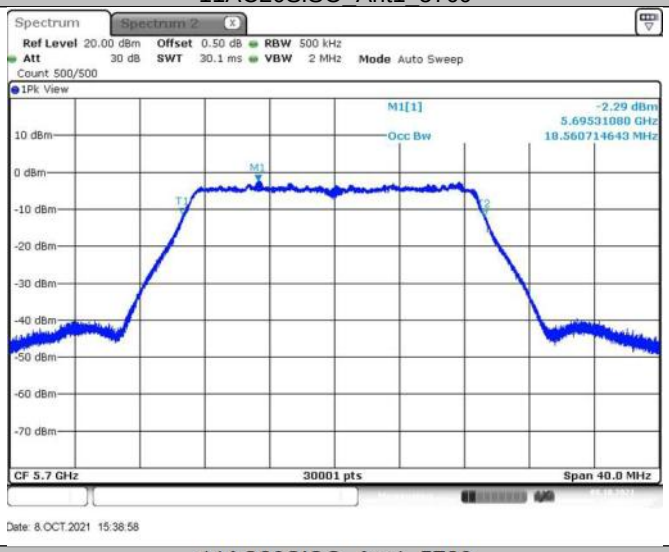
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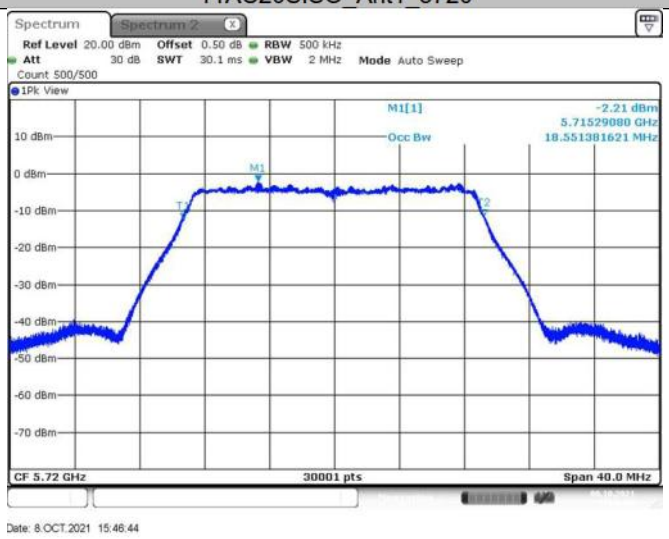
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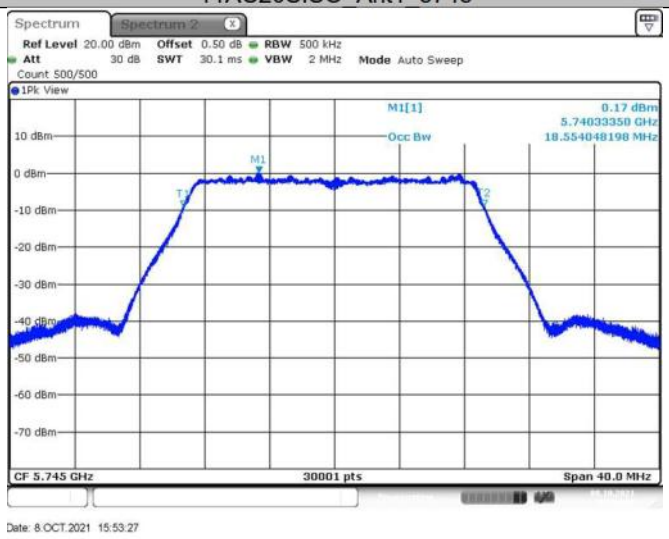

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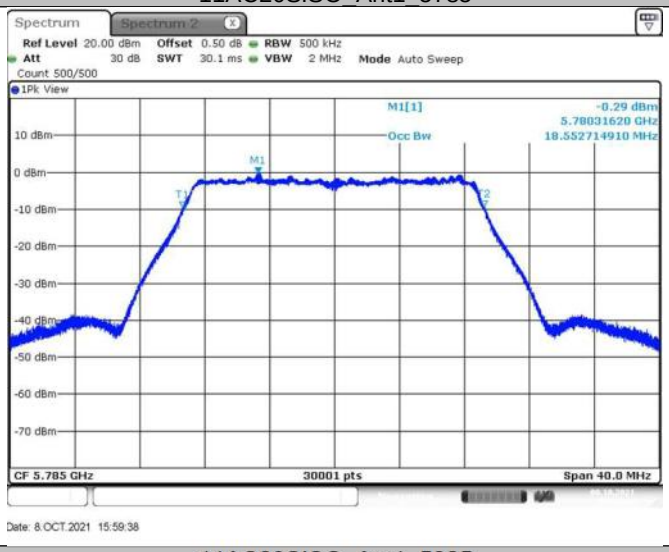
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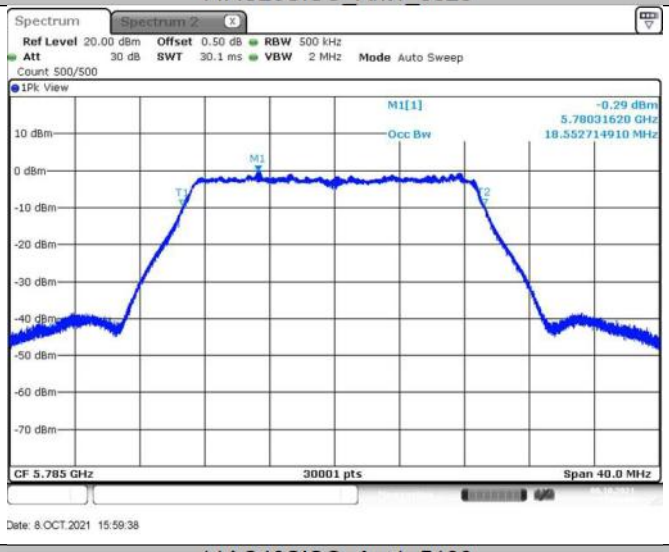
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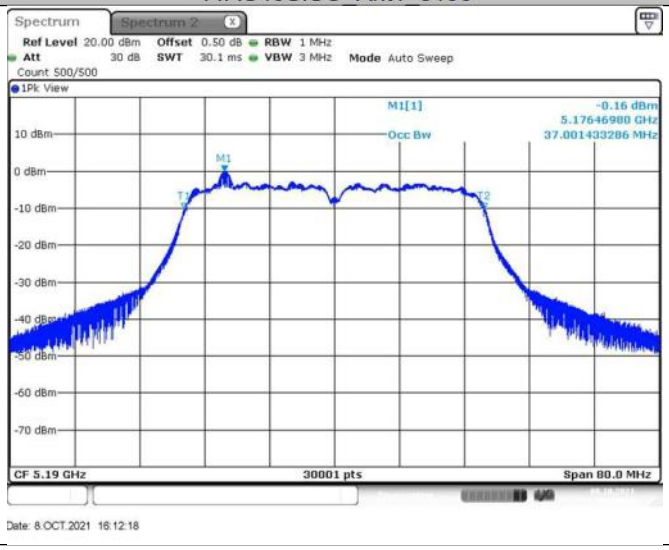

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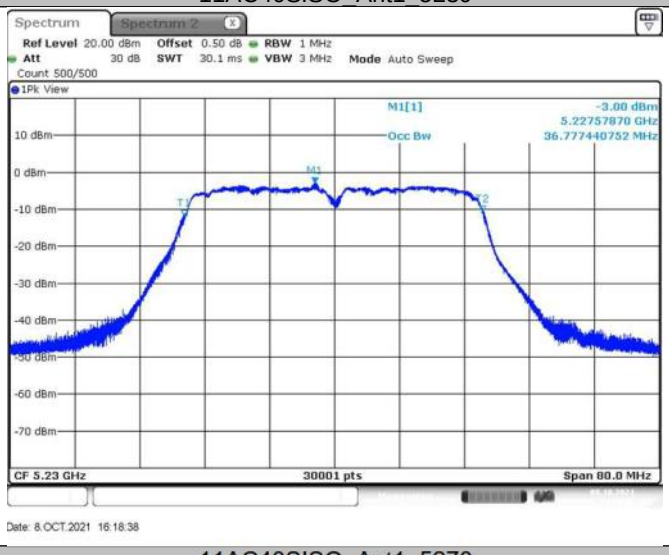
11AC40SISO_Ant1_5230



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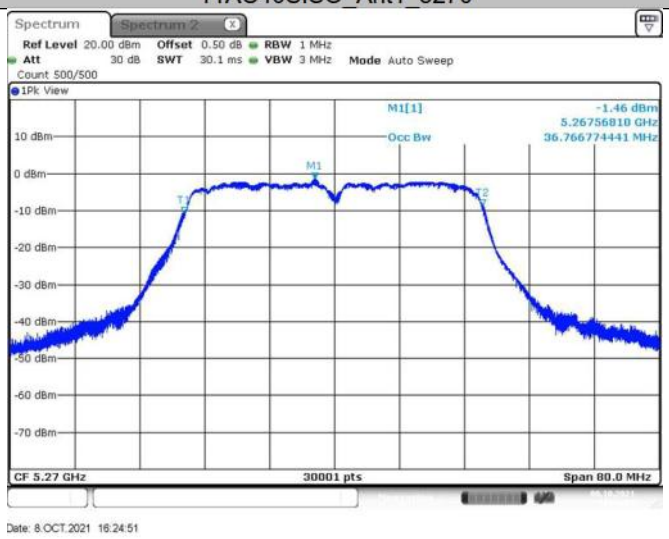

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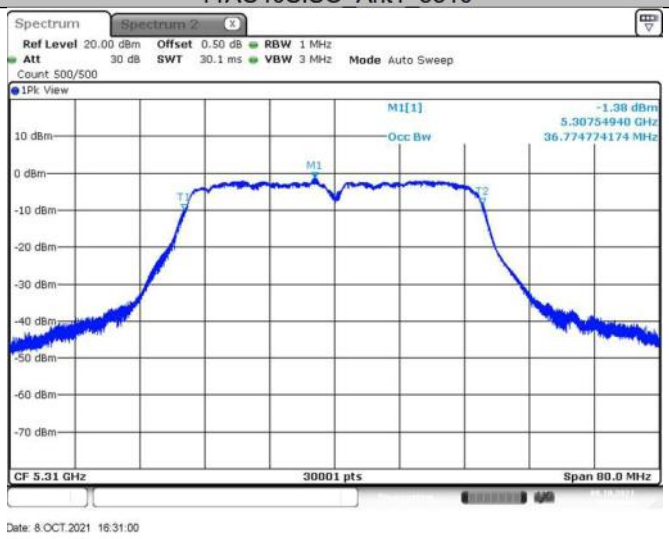

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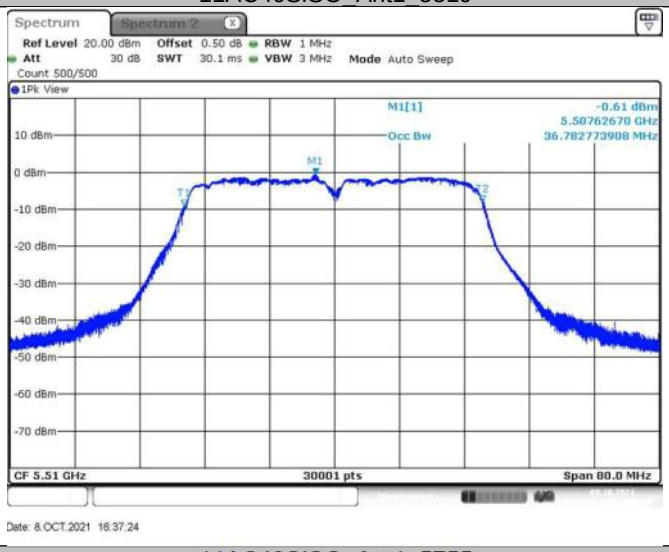
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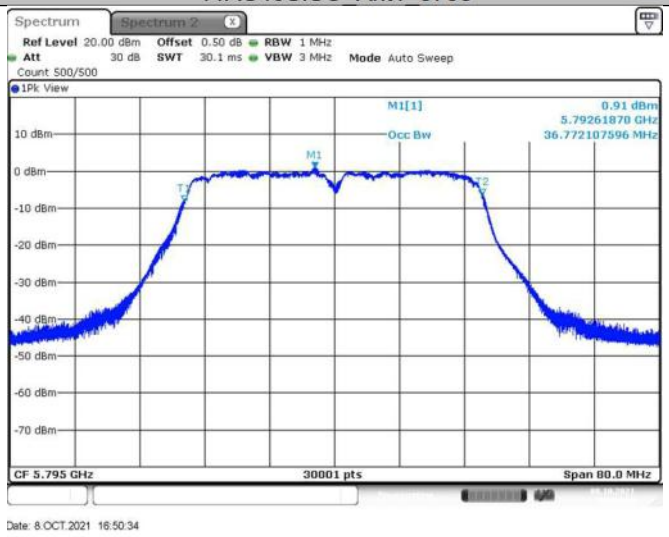

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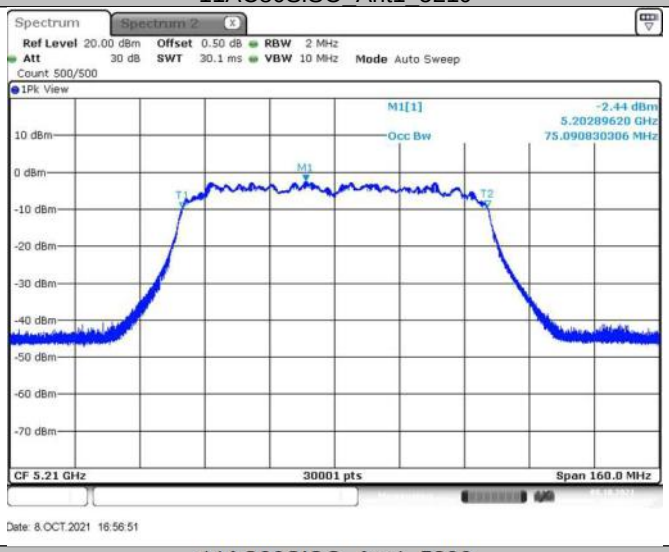
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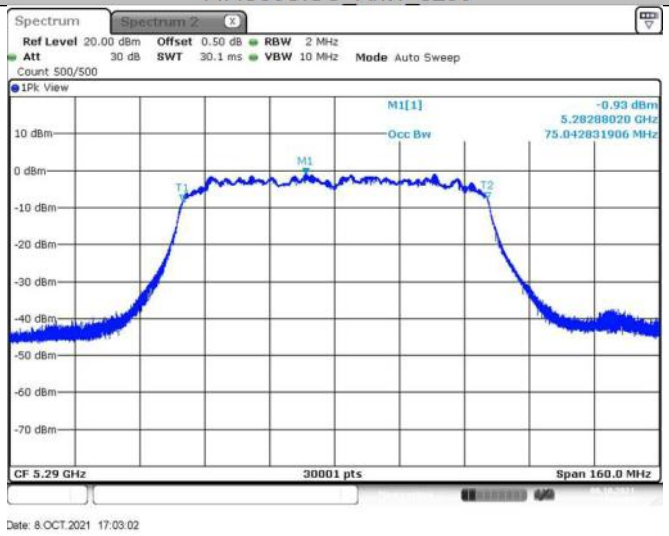
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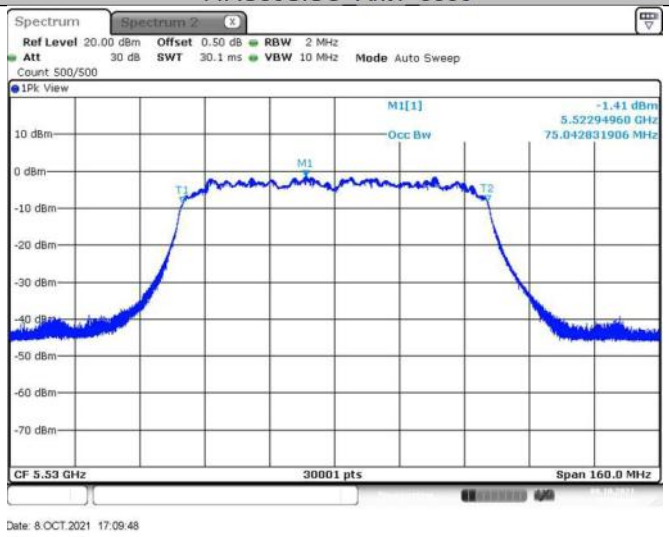

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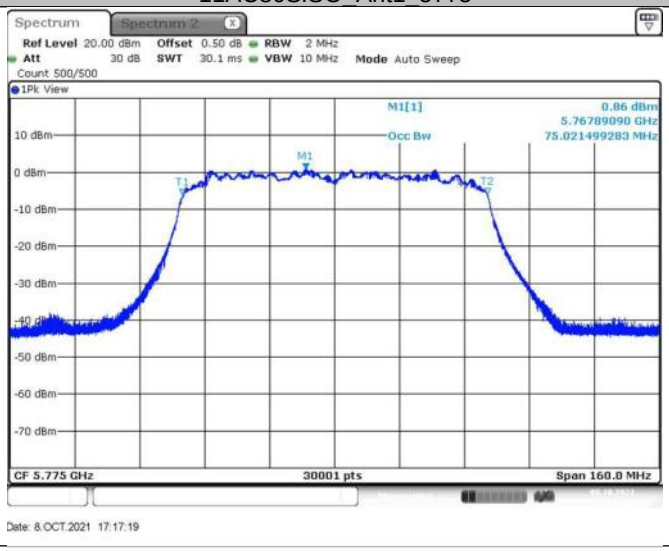
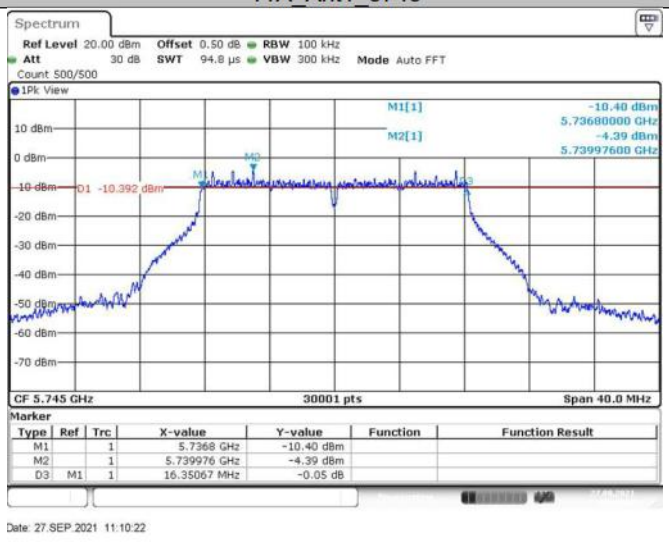


6dB Bandwidth Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.351	5736.800	5753.151	0.5	PASS
		5785	16.340	5776.803	5793.143	0.5	PASS
		5825	16.367	5816.787	5833.153	0.5	PASS
11N20SISO	Ant1	5745	17.579	5736.181	5753.760	0.5	PASS
		5785	17.572	5776.187	5793.759	0.5	PASS
		5825	17.569	5816.187	5833.756	0.5	PASS
11N40SISO	Ant1	5755	35.141	5737.408	5772.549	0.5	PASS
		5795	35.280	5777.227	5812.507	0.5	PASS
11AC20SISO	Ant1	5745	17.573	5736.187	5753.760	0.5	PASS
		5785	17.581	5776.177	5793.759	0.5	PASS
		5825	17.579	5816.181	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	35.131	5737.411	5772.541	0.5	PASS
		5795	35.155	5777.403	5812.557	0.5	PASS
11AC80SISO	Ant1	5775	75.056	5737.453	5812.509	0.5	PASS

11A_Ant1_5745


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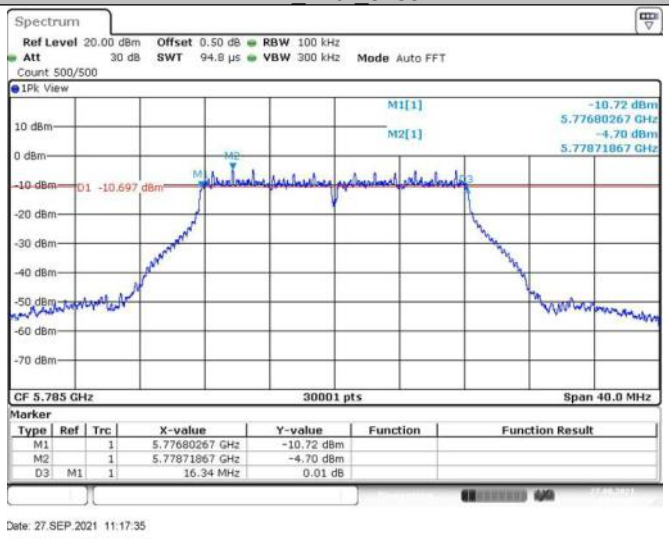
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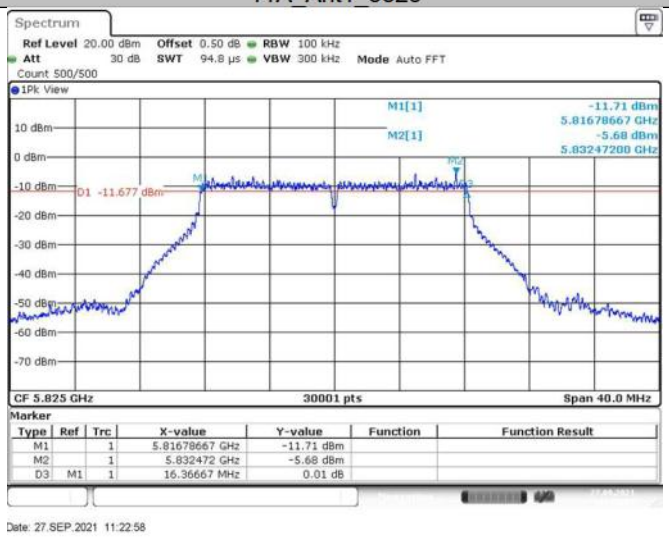
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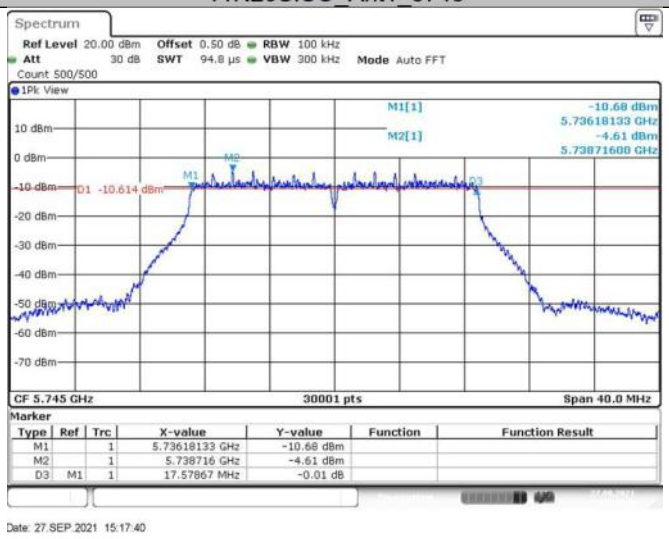

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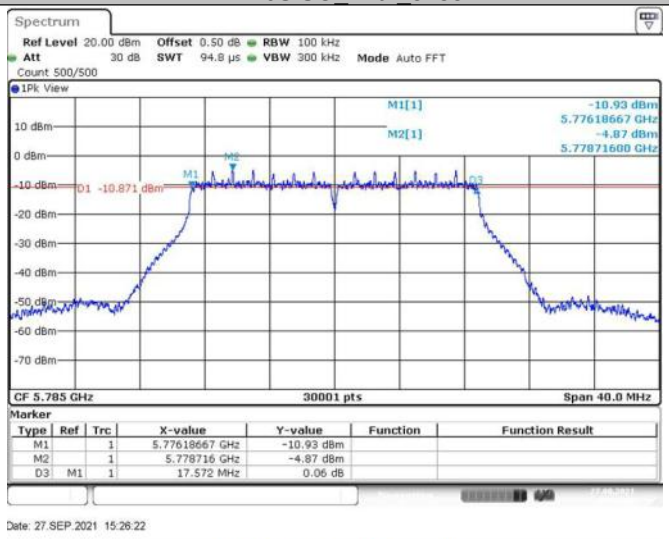

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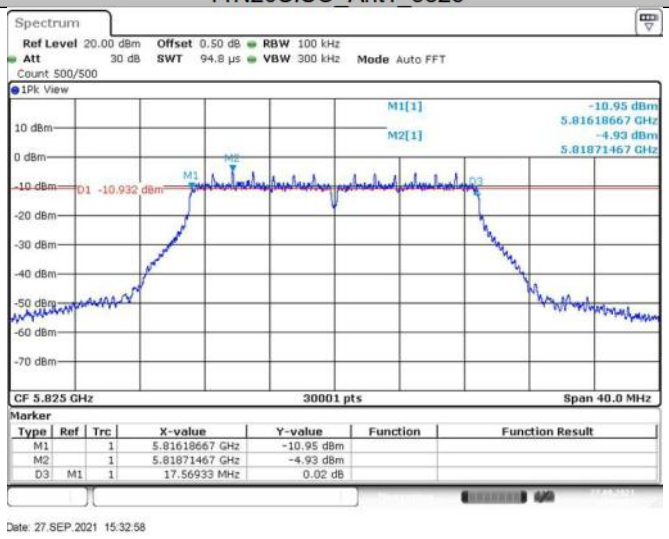

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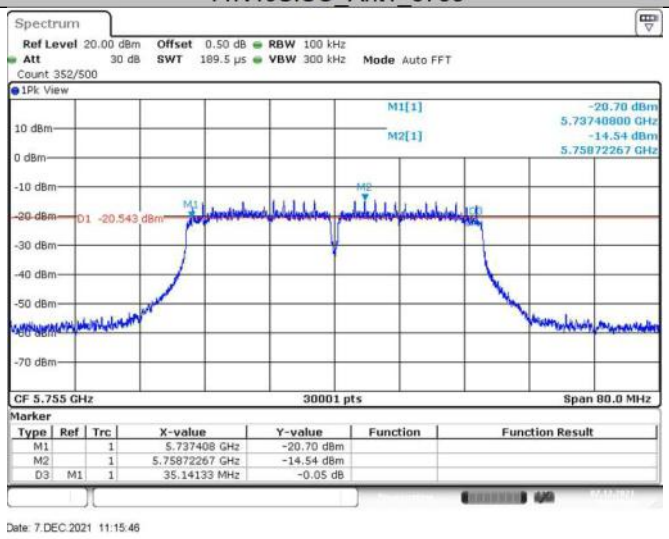

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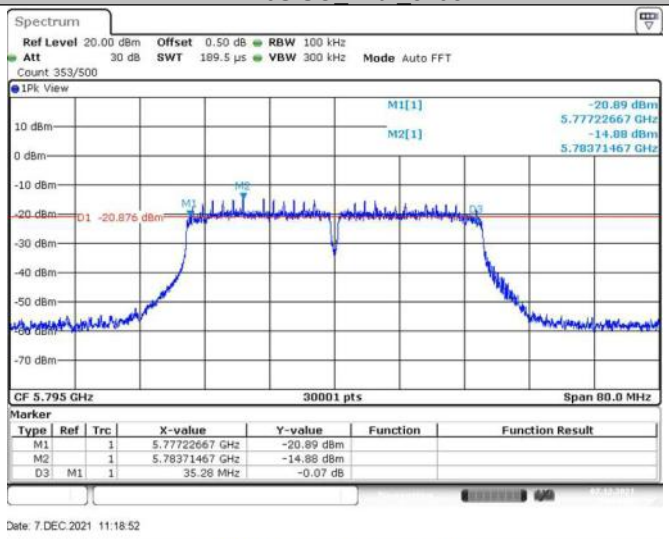

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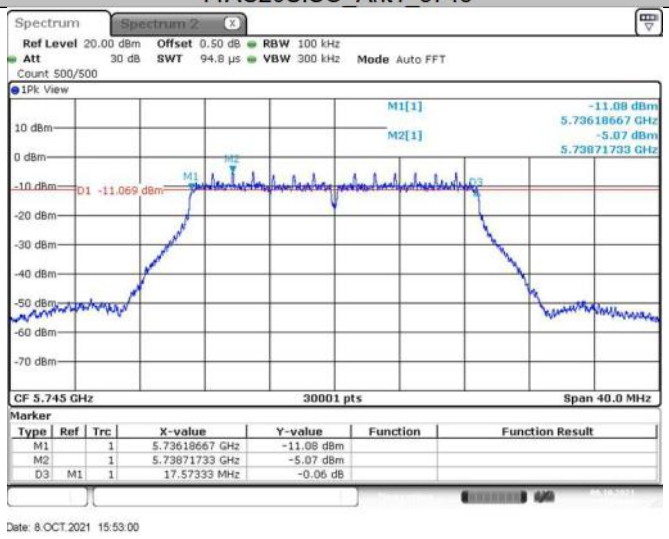

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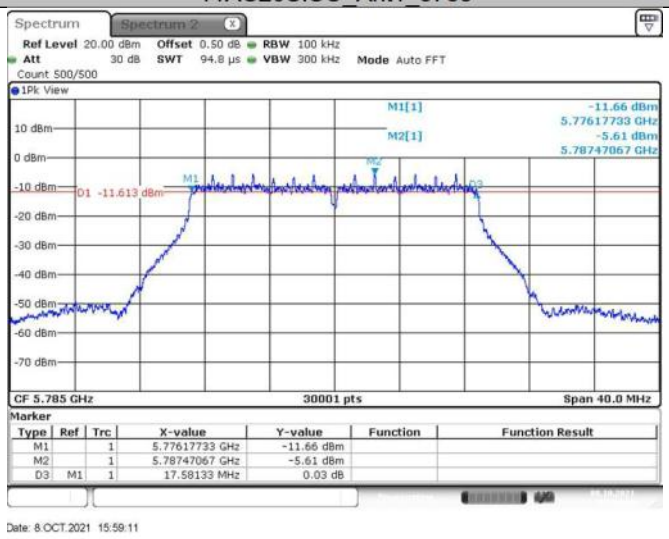

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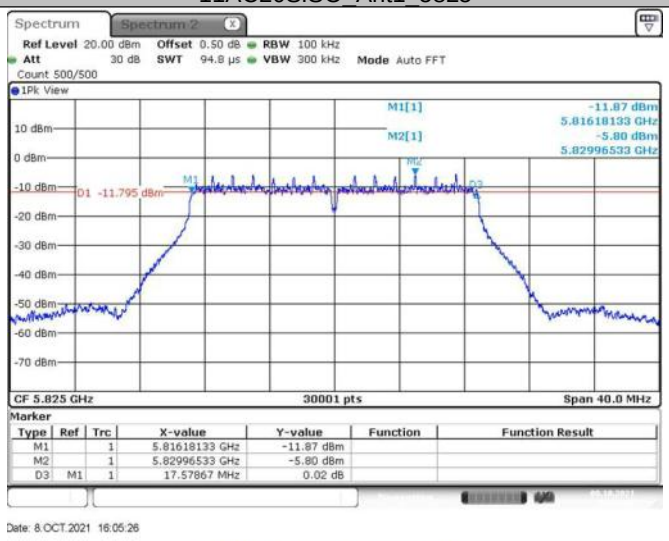

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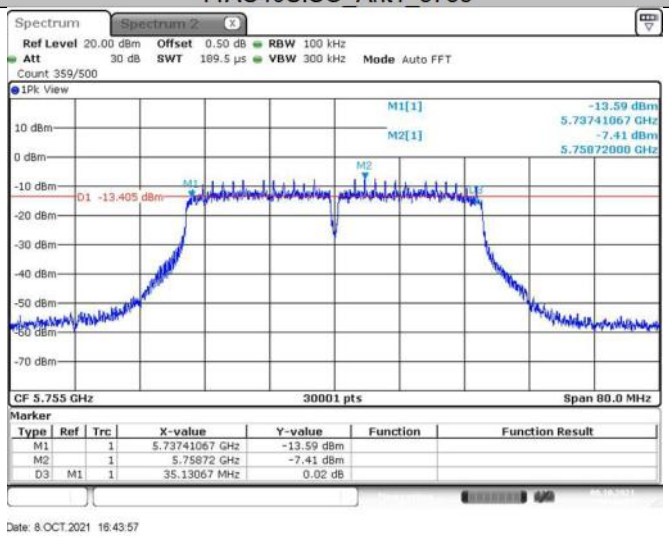

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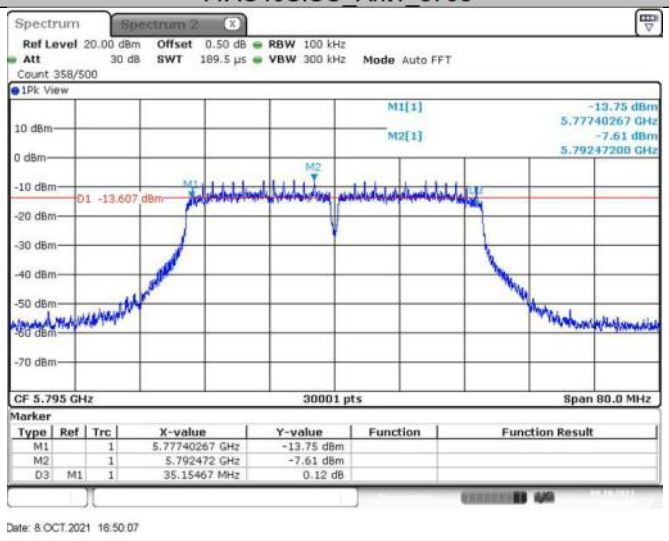

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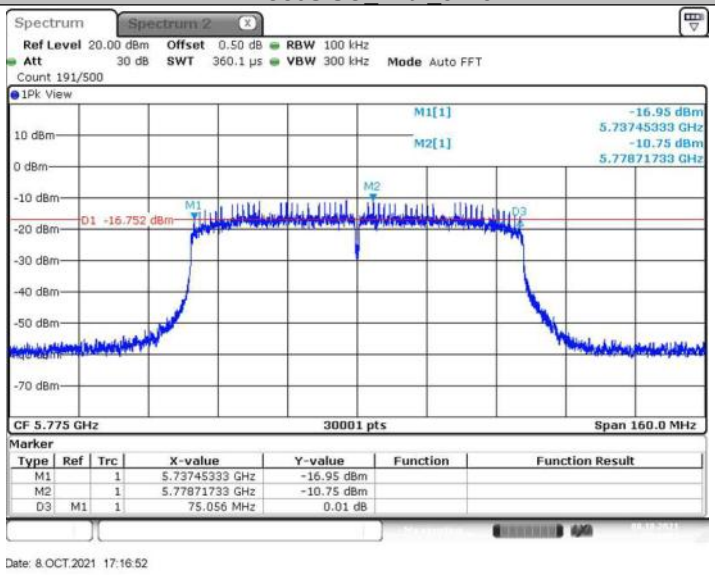

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9.3 Maximum conducted output power

Test Method
According to C63.10, the EUT was places on 0.8m height table, the RF output of EUT was connected to the test power meter by RF cable. The path loss was compensated to the results for each measurement.

(1) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:
The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(2) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
(3) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
(4) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25%).

Limits:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26dB emission bandwidth in megahertz.
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

Test result as below table

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	3.21	<=23.98	PASS
		5200	3.06	<=23.98	PASS
		5240	3.02	<=23.98	PASS
		5260	6.99	<=23.98	PASS
		5280	6.98	<=23.98	PASS
		5320	7.11	<=23.98	PASS
		5500	6.83	<=23.98	PASS
		5600	5.71	<=23.98	PASS
		5700	4.22	<=23.98	PASS
		5720	4.11	<=22.99	PASS
		5745	6.77	<=30	PASS
		5785	4.76	<=30	PASS
		5825	3.55	<=30	PASS

11N20SISO	Ant1	5180	5.94	<=23.98	PASS
		5200	5.86	<=23.98	PASS
		5240	5.85	<=23.98	PASS
		5260	7.05	<=23.98	PASS
		5280	6.97	<=23.98	PASS
		5320	**7.15**	<=23.98	PASS
		5500	6.93	<=23.98	PASS
		5600	5.72	<=23.98	PASS
		5700	4.28	<=23.98	PASS
		5720	4.14	<=23.04	PASS
		5745	6.54	<=30	PASS
		5785	4.93	<=30	PASS
		5825	3.53	<=30	PASS
11N40SISO	Ant1	5190	5.43	<=23.98	PASS
		5230	5.24	<=23.98	PASS
		5270	6.7	<=23.98	PASS
		5310	6.73	<=23.98	PASS
		5510	6.41	<=23.98	PASS
		5755	6.33	<=30	PASS
		5795	4.82	<=30	PASS
11AC20SISO	Ant1	5180	5.98	<=23.98	PASS
		5200	5.92	<=23.98	PASS
		5240	5.74	<=23.98	PASS
		5260	5.86	<=23.98	PASS
		5280	5.61	<=23.98	PASS
		5320	5.88	<=23.98	PASS
		5500	6.72	<=23.98	PASS
		5600	5.73	<=23.98	PASS
		5700	4.24	<=23.98	PASS
		5720	4.01	<=23.02	PASS
		5745	6.59	<=30	PASS
		5785	4.8	<=30	PASS
		5825	3.51	<=30	PASS
11AC40SISO	Ant1	5190	5.44	<=23.98	PASS
		5230	5.17	<=23.98	PASS
		5270	6.74	<=23.98	PASS
		5310	6.67	<=23.98	PASS
		5510	6.31	<=23.98	PASS
		5755	6.39	<=30	PASS
		5795	4.26	<=30	PASS
11AC80SISO	Ant1	5210	4.74	<=23.98	PASS
		5290	6.4	<=23.98	PASS
		5530	4.89	<=23.98	PASS
		5775	5.36	<=30	PASS

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9.4 Maximum power spectral density

Test Method

According to C63.10, the EUT was places on 0.8m height table, the RF output of EUT was connected to the test power meter by RF cable. The path loss was compensated to the results for each measurement.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power….” (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
a) If Method SA-2 or SA-2 Alternative was used, add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum.
b) If Method SA-3 Alternative was used and the linear mode was used in II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz, the preceding procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in Section 15.407(a)(5). For devices operating in the band 5.725−5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
a) Set RBW ≥ 1/T, where T is defined in II.B.l.a).
b) Set VBW ≥ 3 RBW.
c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.
Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the II.F.5.c) and II.F.5.d), since RBW=100 kHz is available on nearly all spectrum analyzers.

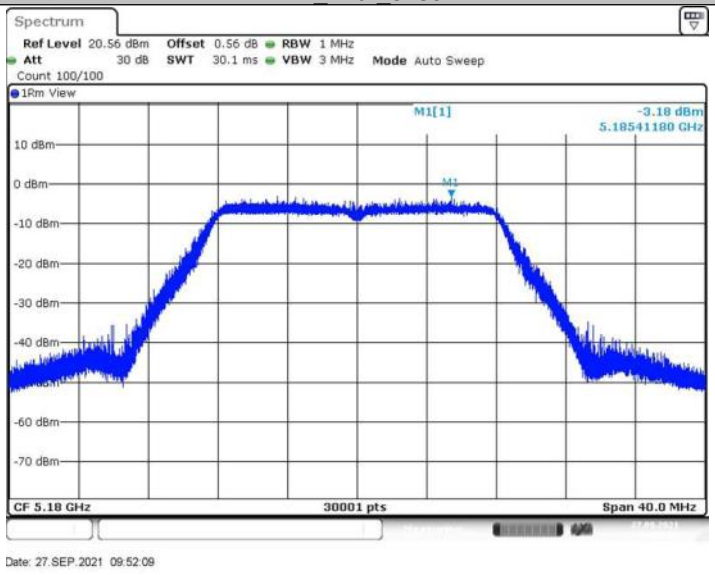
Limit: The maximum power spectral density shall not exceed 11dBm for the 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725 GHz Band in any 1 megahertz band.
For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30dBm in any 1 500kHz band.

Test Result:

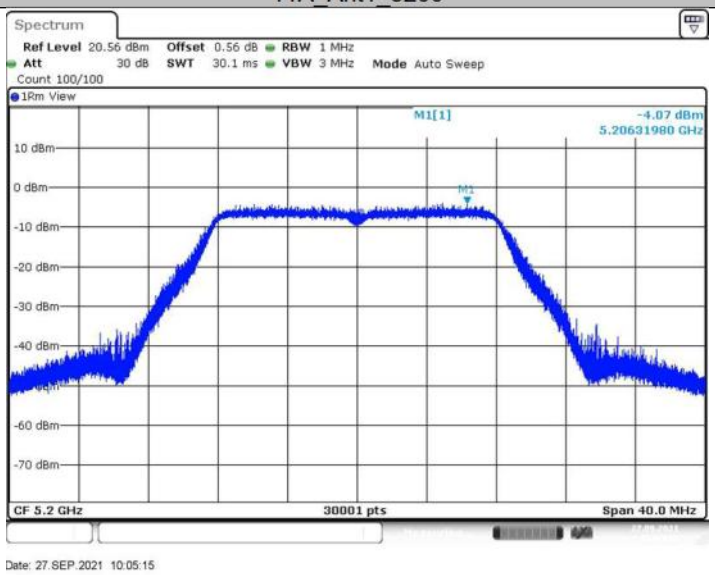
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-3.18	<=11	PASS
		5200	-4.07	<=11	PASS
		5240	-3.99	<=11	PASS
		5260	0.3	<=11	PASS
		5280	0.28	<=11	PASS
		5320	0.99	<=11	PASS
		5500	1.56	<=11	PASS
		5600	0.49	<=11	PASS
		5700	0.35	<=11	PASS
		5720_UNII-2C	1.2	<=11	PASS
		5720_UNII-3	-1.64	<=11	PASS
		5745	0.85	<=30	PASS
		5785	-0.01	<=30	PASS
		5825	0.02	<=30	PASS
11N20SISO	Ant1	5180	1.16	<=11	PASS
		5200	-0.91	<=11	PASS
		5240	-1.01	<=11	PASS
		5260	0.07	<=11	PASS
		5280	0.17	<=11	PASS
		5320	0.33	<=11	PASS
		5500	1.47	<=11	PASS
		5600	-0.03	<=11	PASS
		5700	0.17	<=11	PASS
		5720_UNII-2C	0.19	<=11	PASS
		5720_UNII-3	-2.45	<=11	PASS
		5745	0.59	<=30	PASS
		5785	0.14	<=30	PASS
		5825	-0.22	<=30	PASS
11N40SISO	Ant1	5190	-3.28	<=11	PASS
		5230	-2.89	<=11	PASS
		5270	-2.88	<=11	PASS
		5310	-2.67	<=11	PASS
		5510	-1.5	<=11	PASS
		5755	-8.05	<=30	PASS
		5795	-8.77	<=30	PASS
11AC20SISO	Ant1	5180	-1.75	<=11	PASS
		5200	-2.39	<=11	PASS
		5240	-2.41	<=11	PASS
		5260	-2.73	<=11	PASS
		5280	-2.54	<=11	PASS
		5320	-2.41	<=11	PASS
		5500	-0.25	<=11	PASS
		5600	-0.82	<=11	PASS
		5700	-1.18	<=11	PASS
		5720_UNII-2C	-1.26	<=11	PASS
		5720_UNII-3	-3.15	<=11	PASS
		5745	-0.42	<=30	PASS
		5785	-0.45	<=30	PASS
		5825	-1.04	<=30	PASS

11AC40SISO	Ant1	5190	-1.94	<=11	PASS
		5230	-5.02	<=11	PASS
		5270	-3.62	<=11	PASS
		5310	-3.19	<=11	PASS
		5510	-2.39	<=11	PASS
		5755	-2.34	<=30	PASS
		5795	-2.87	<=30	PASS
11AC80SISO	Ant1	5210	-7.55	<=11	PASS
		5290	-5.89	<=11	PASS
		5530	-6.4	<=11	PASS
		5775	-6.43	<=30	PASS

11A_Ant1_5180



11A_Ant1_5200



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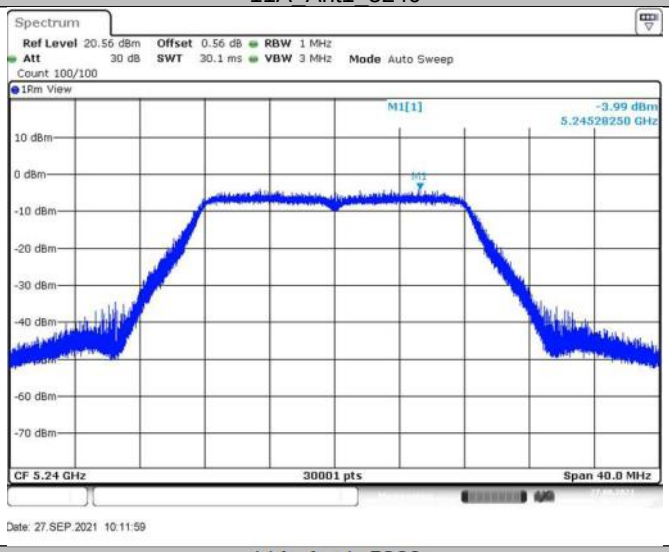
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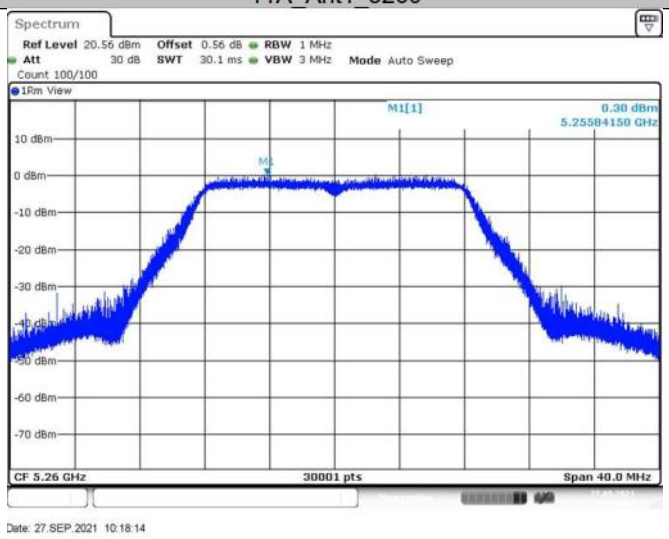
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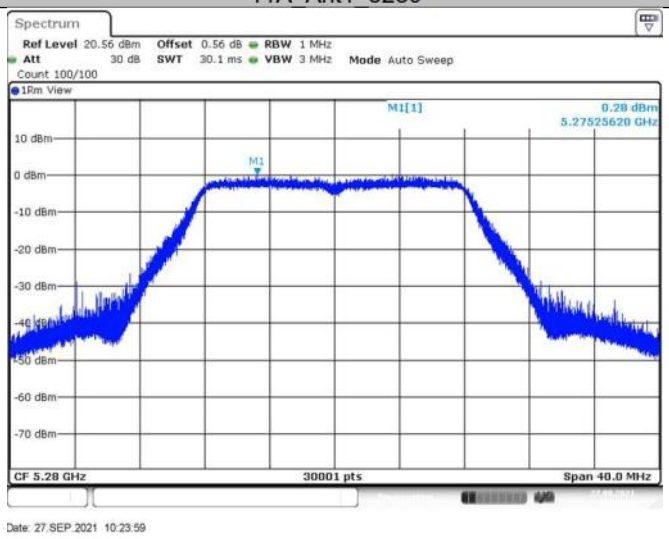

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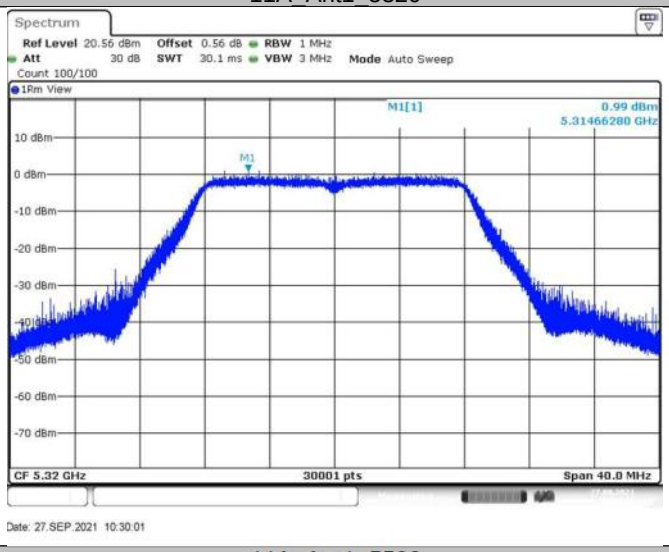
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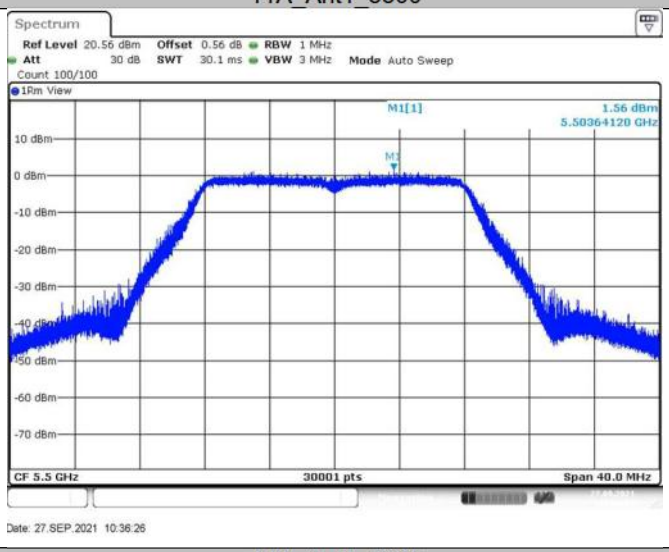
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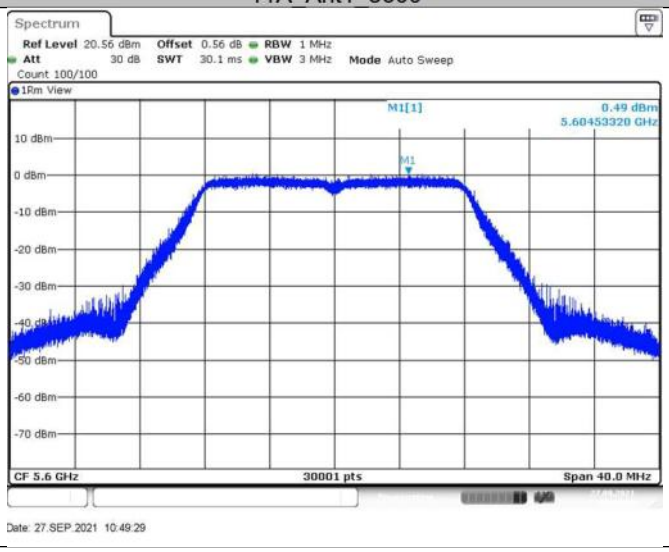

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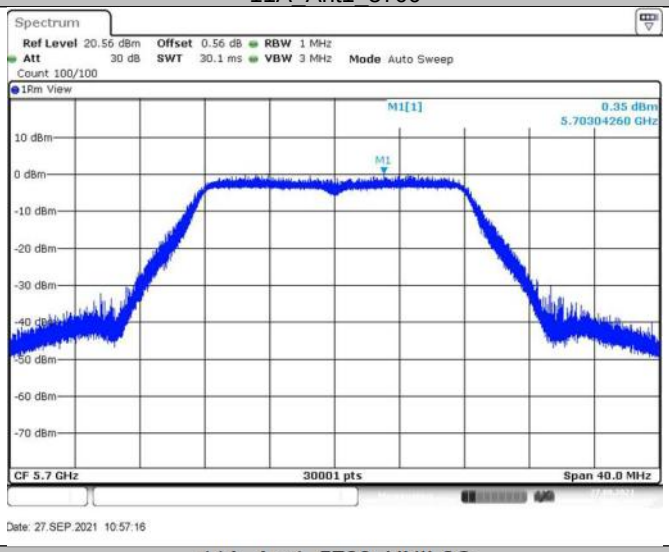
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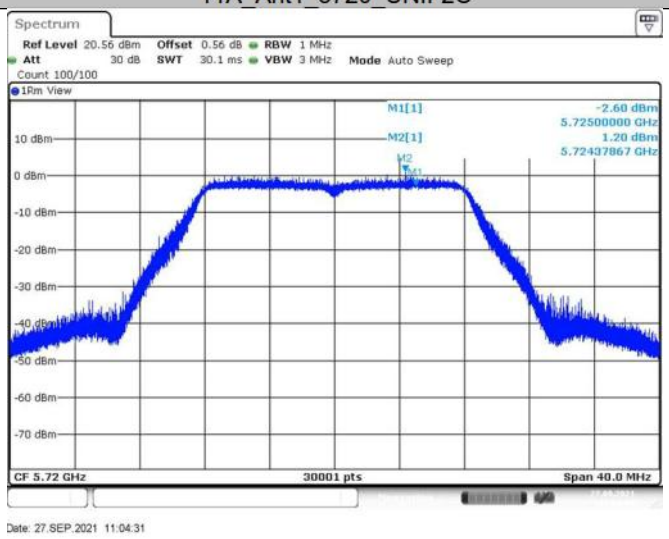
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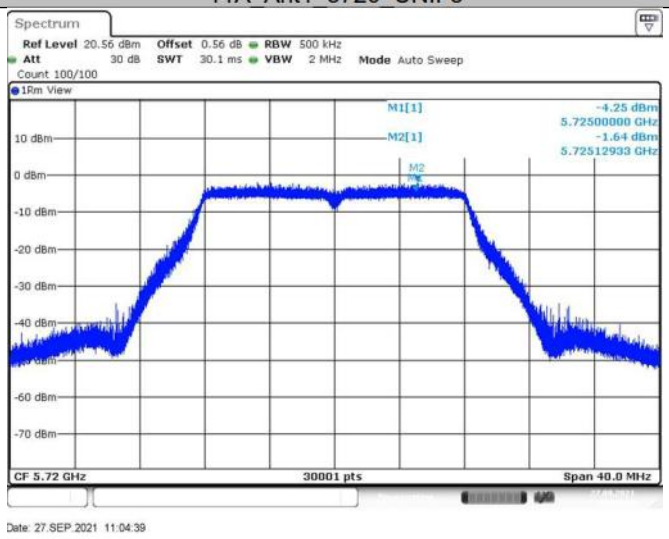

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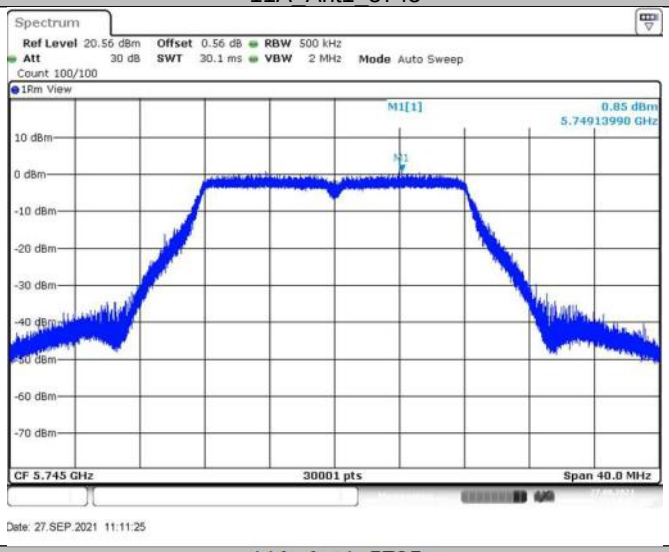
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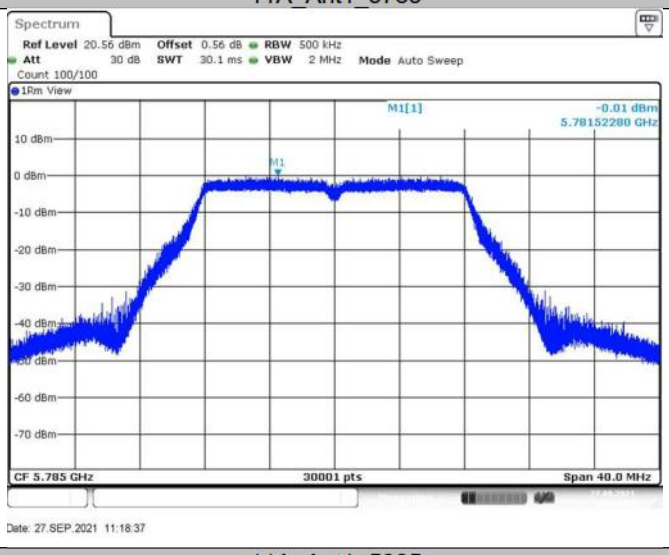
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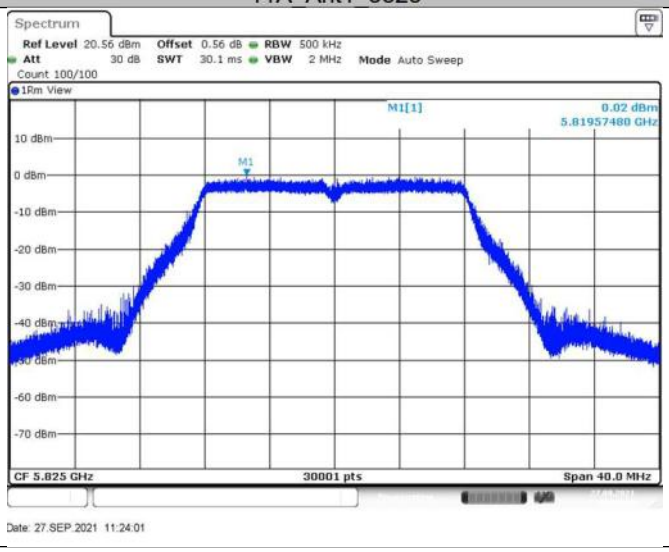

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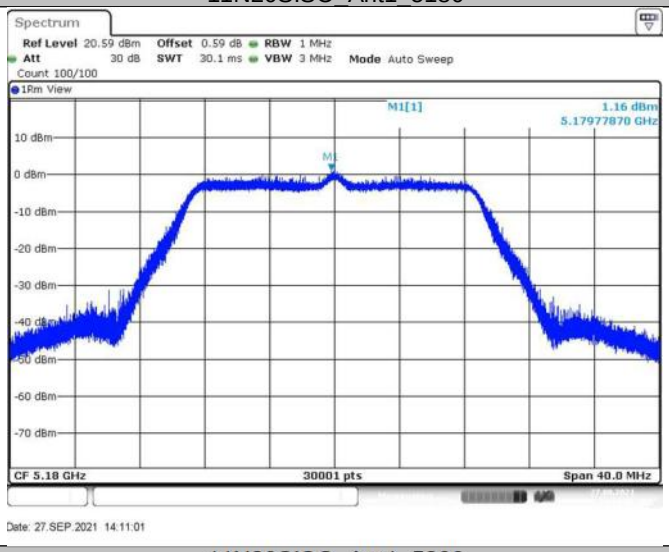
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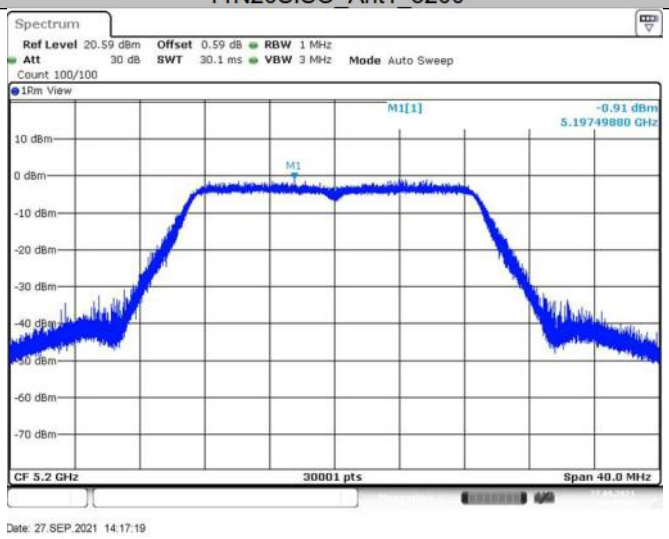
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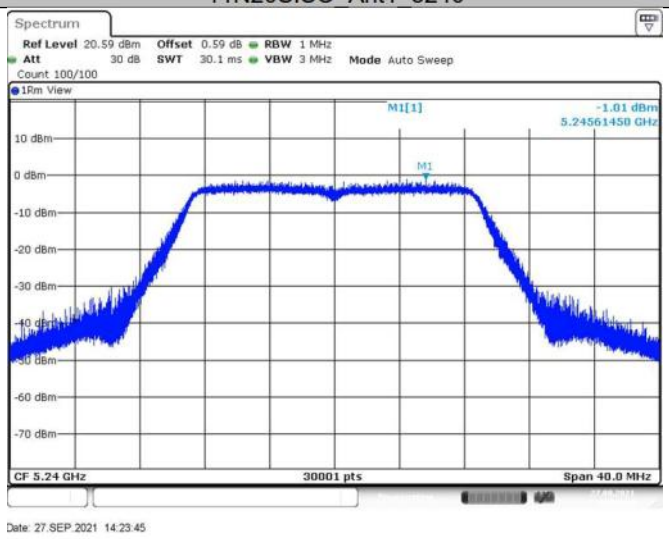

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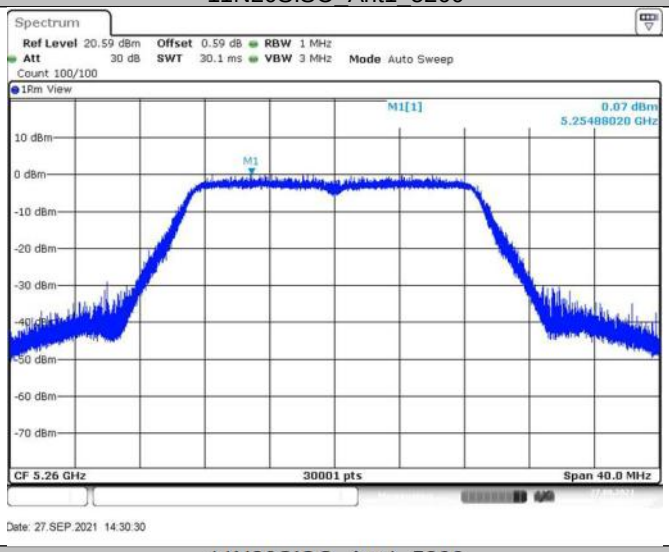
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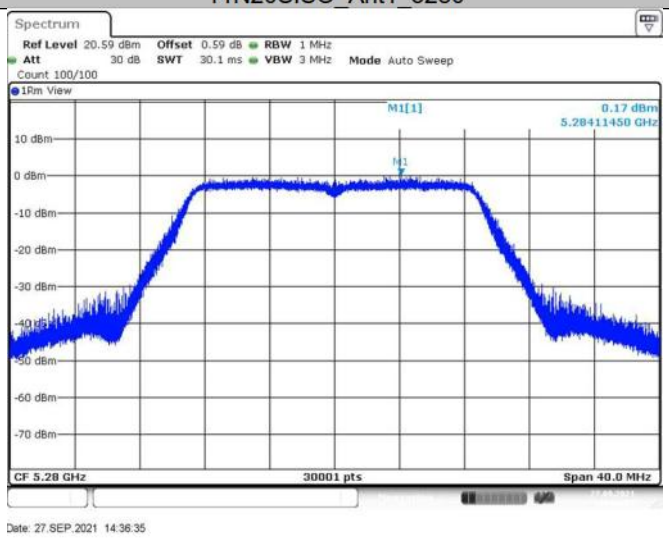
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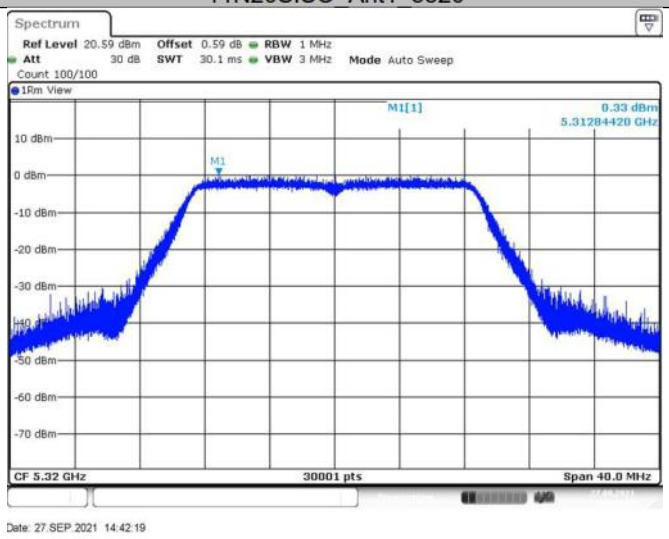

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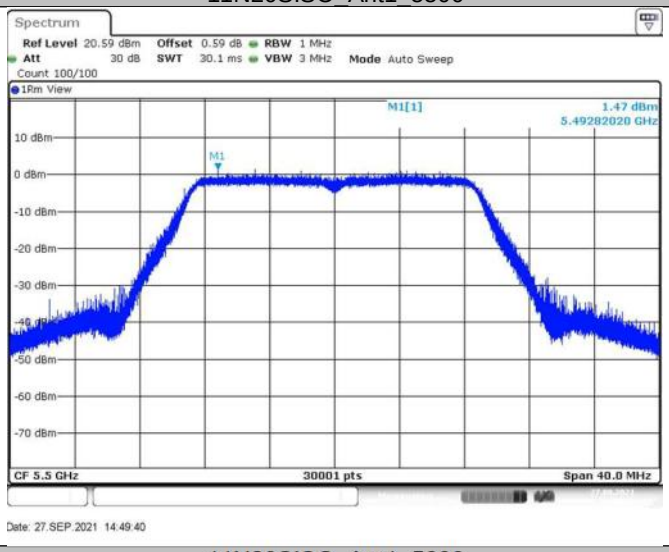

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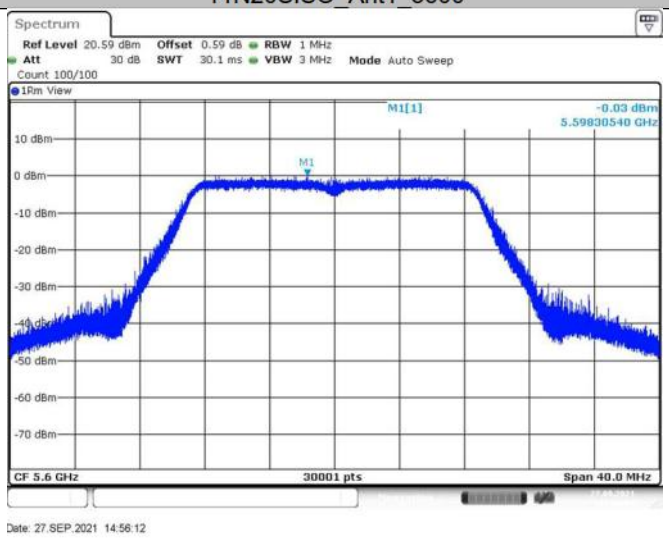

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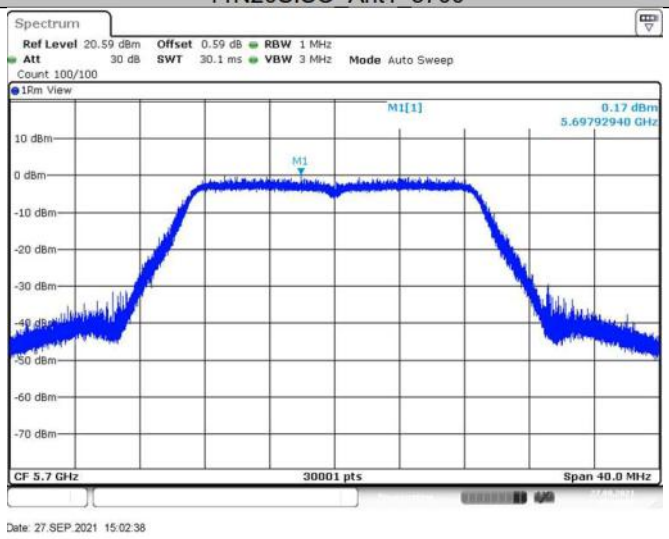

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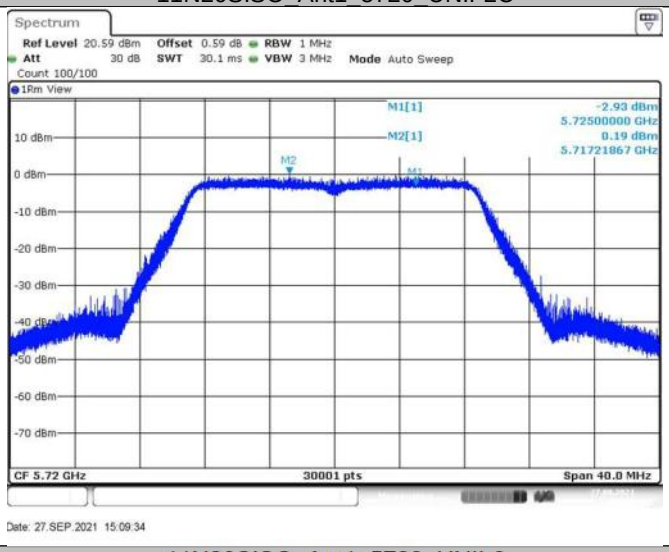
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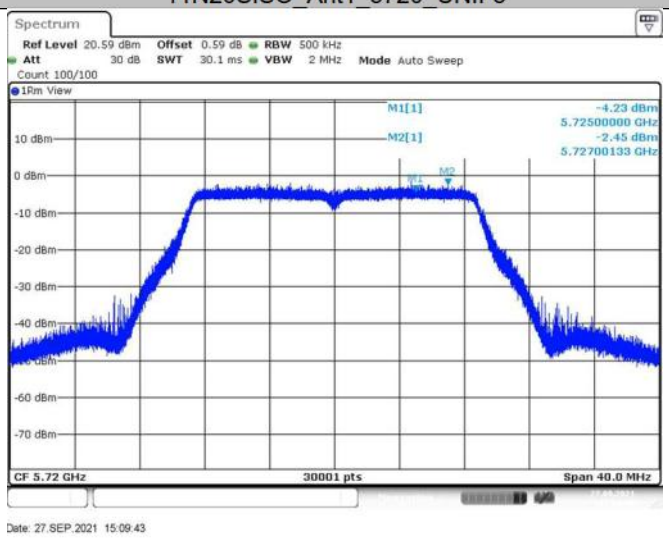
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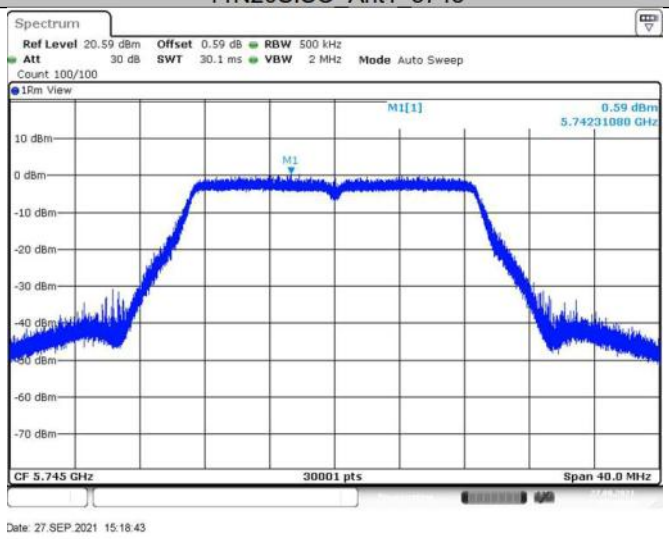

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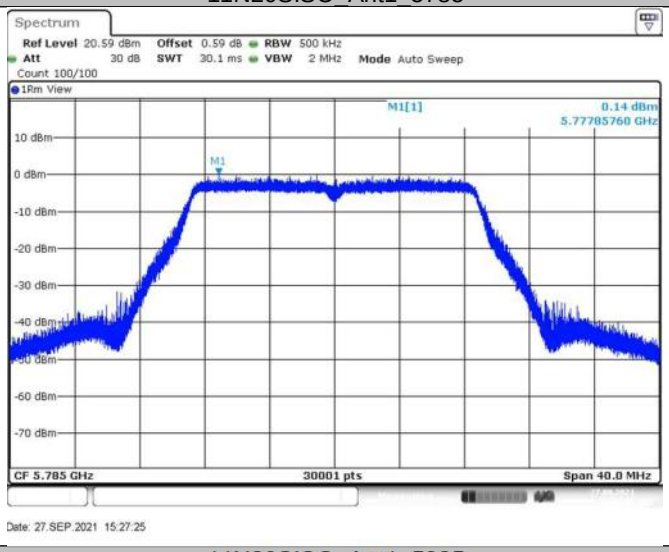
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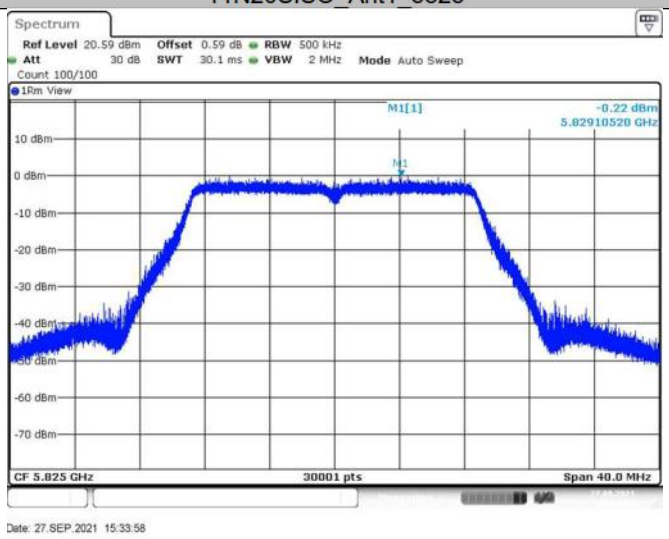
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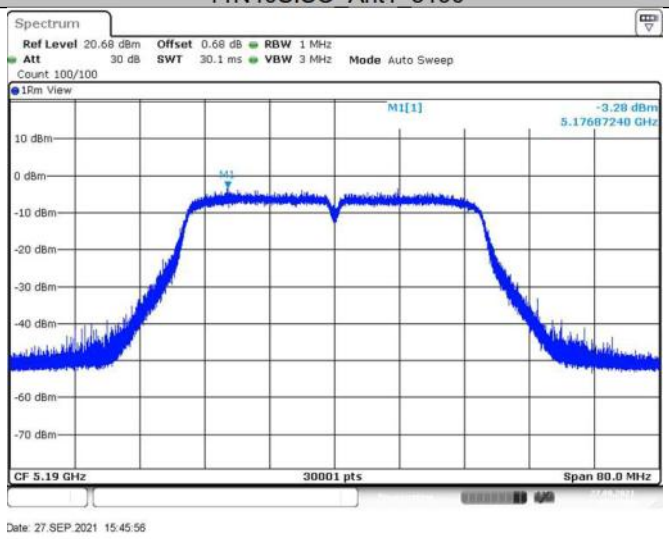

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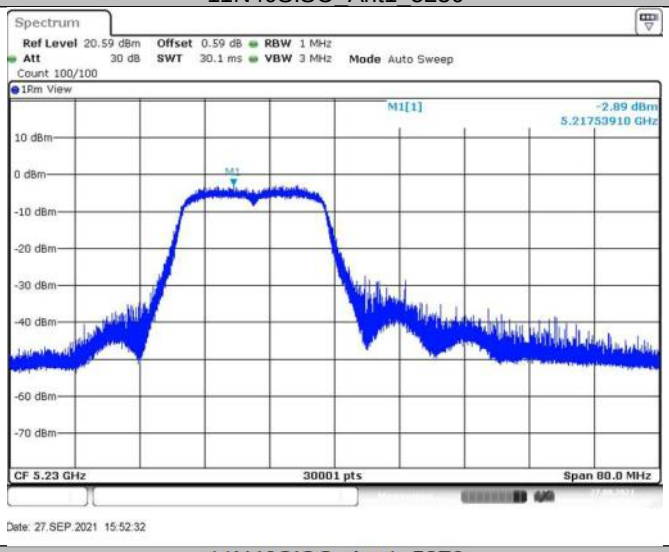
11N40SISO_Ant1_5230



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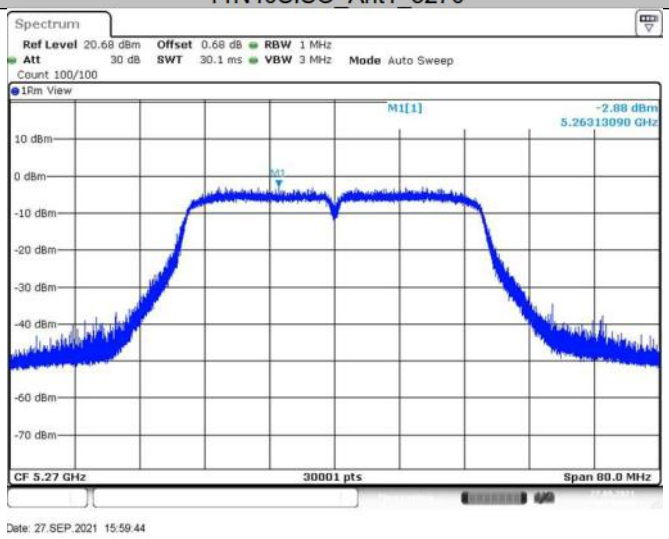

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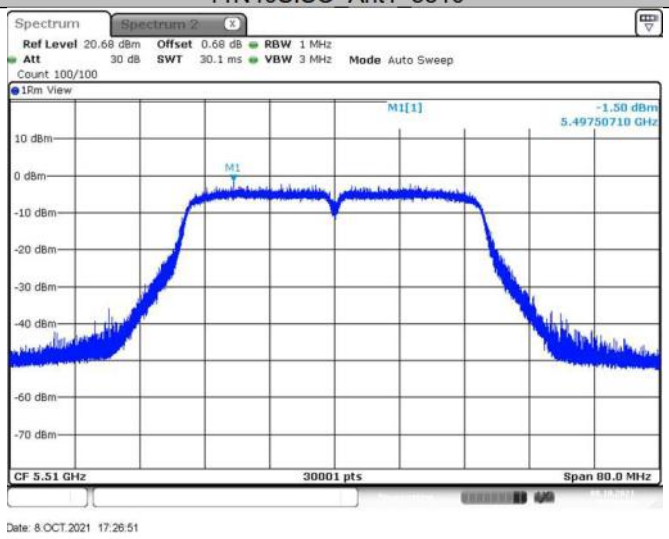

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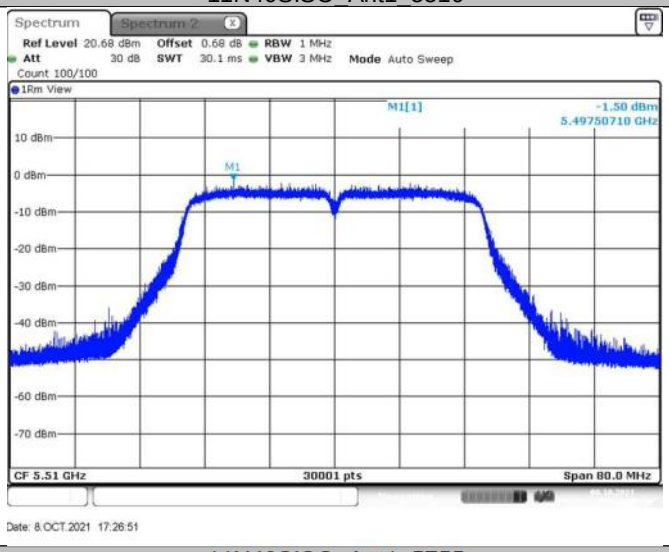
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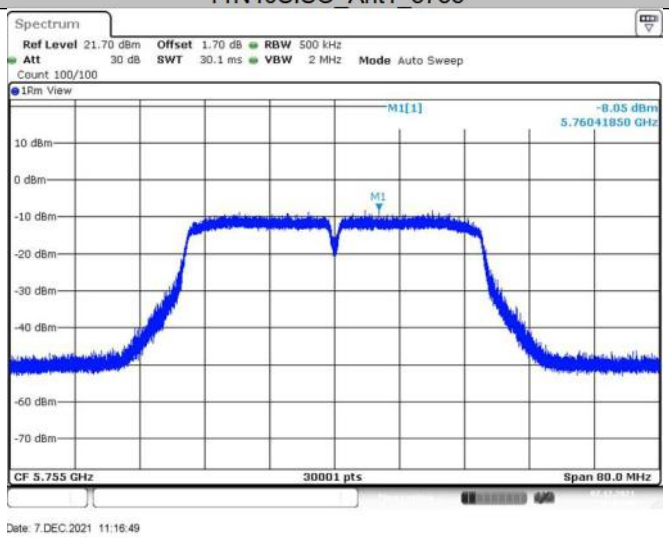
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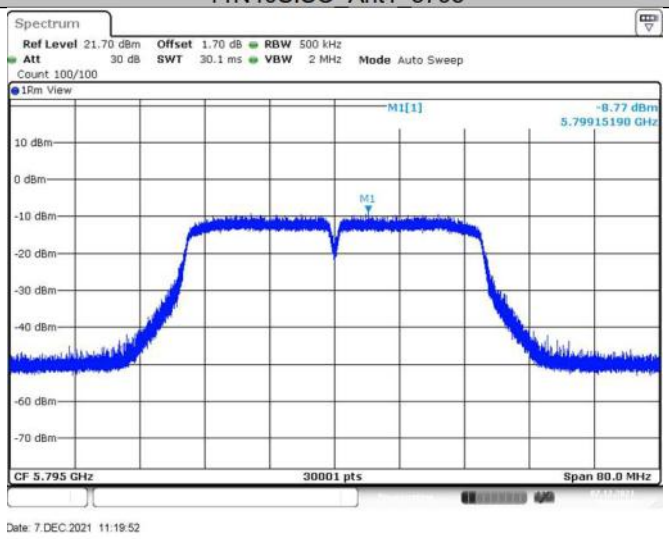

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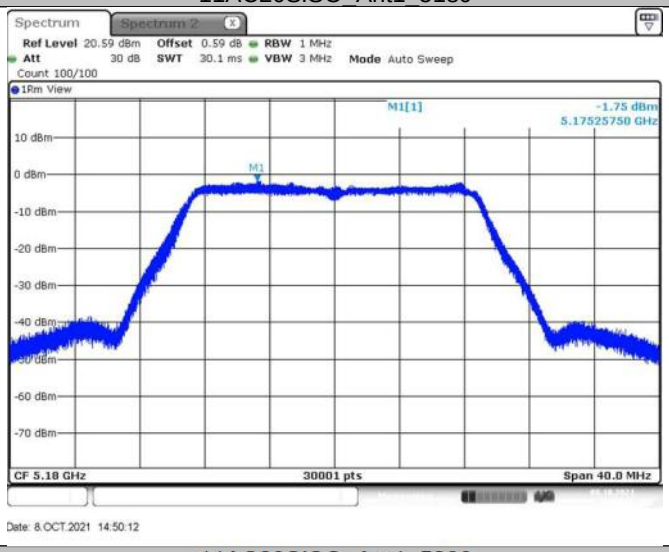
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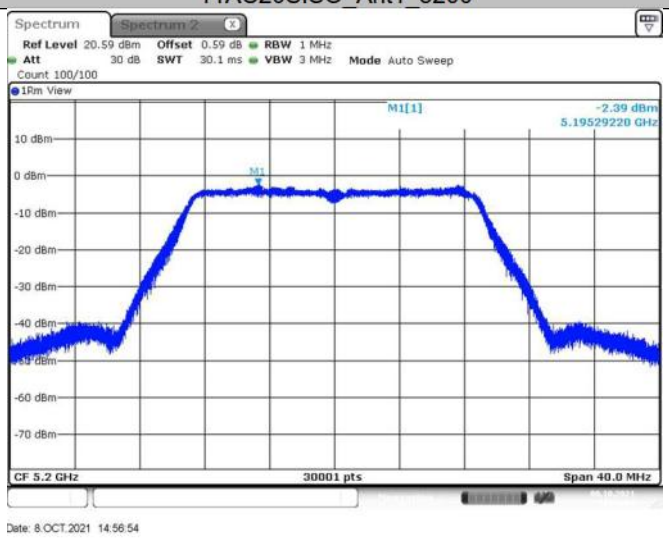
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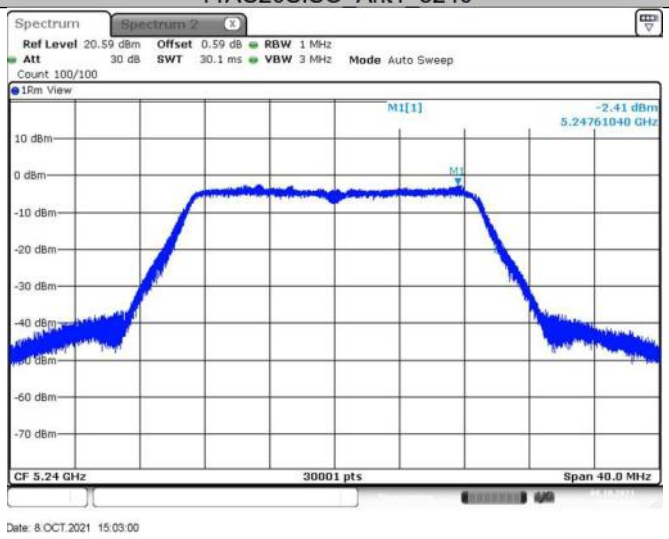

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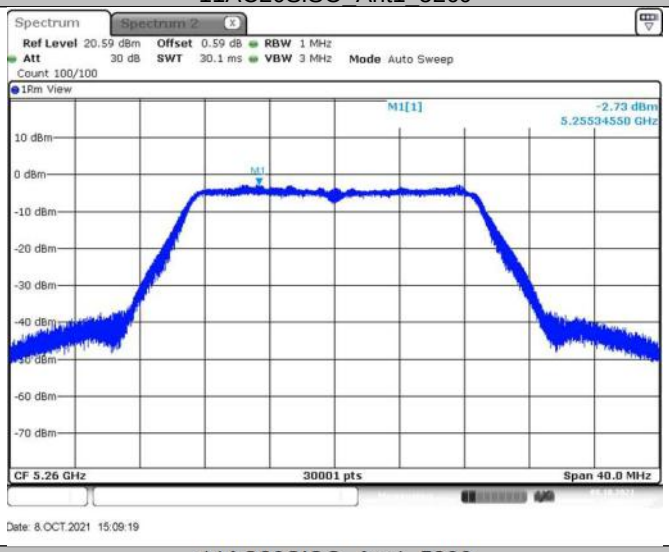
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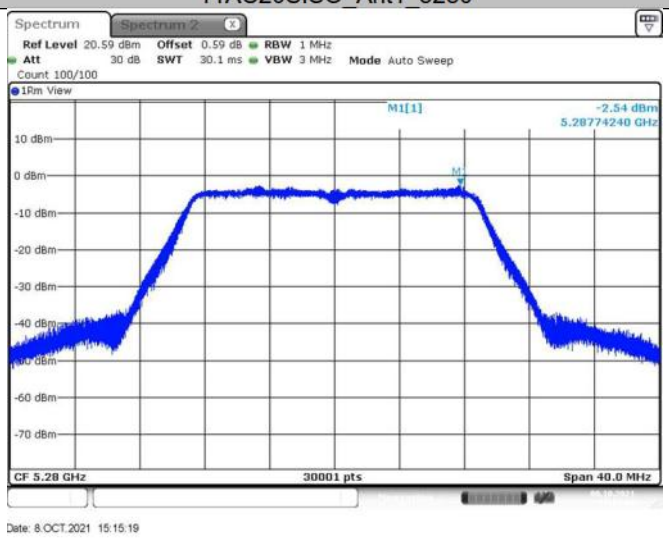
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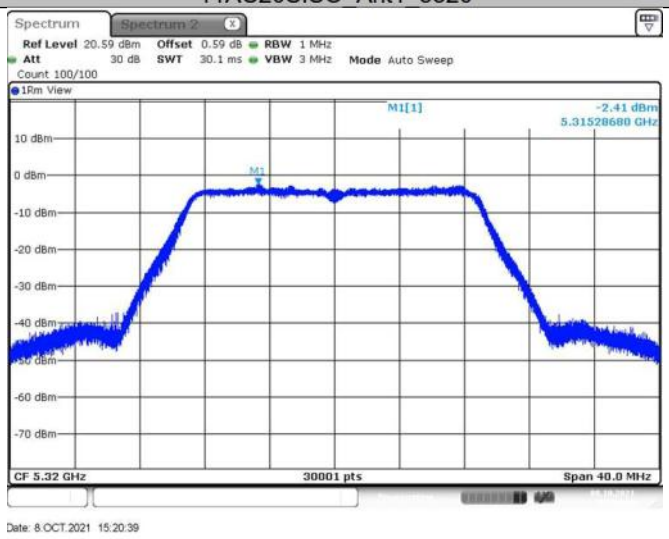

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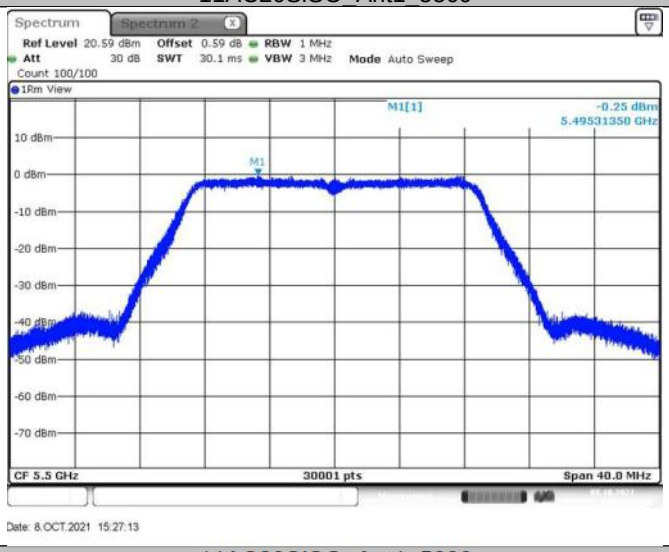
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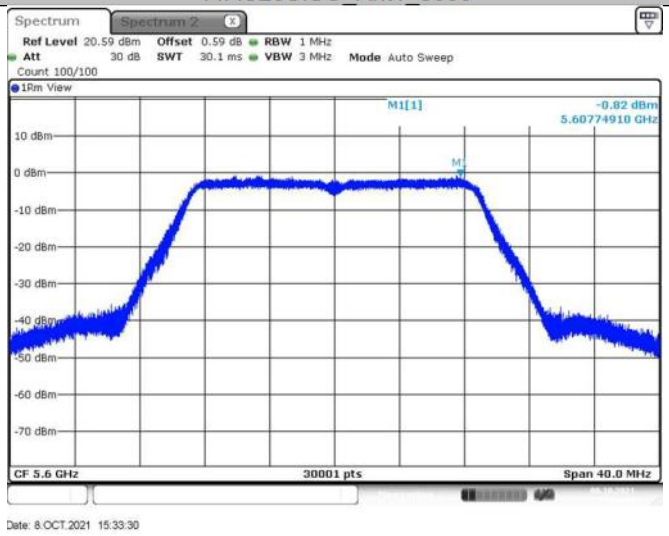
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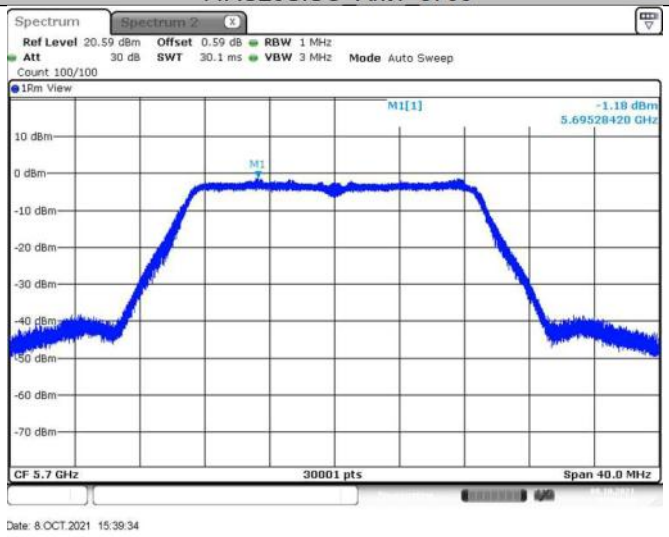

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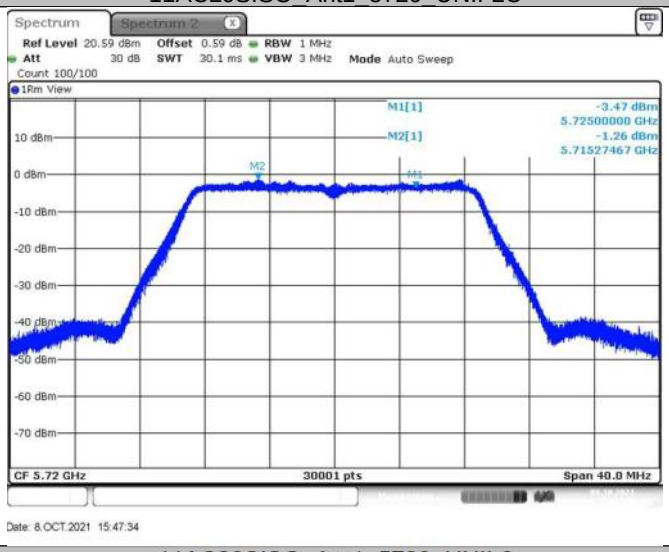
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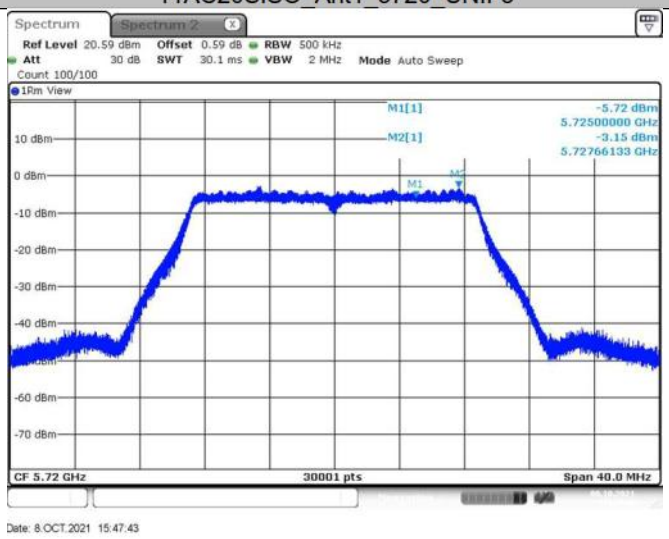
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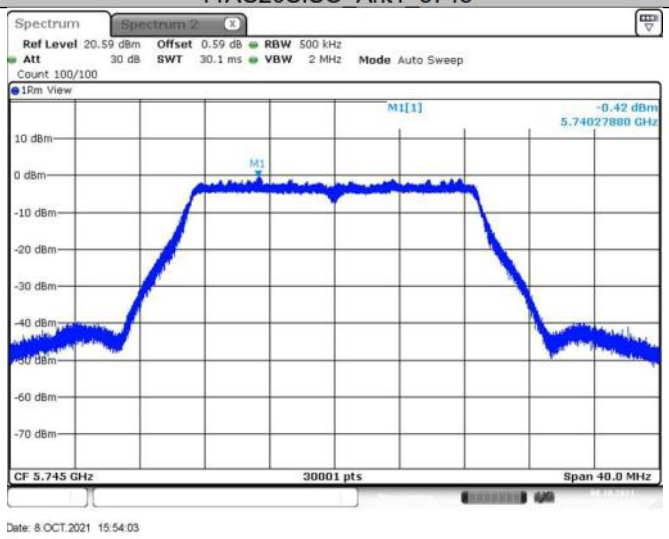

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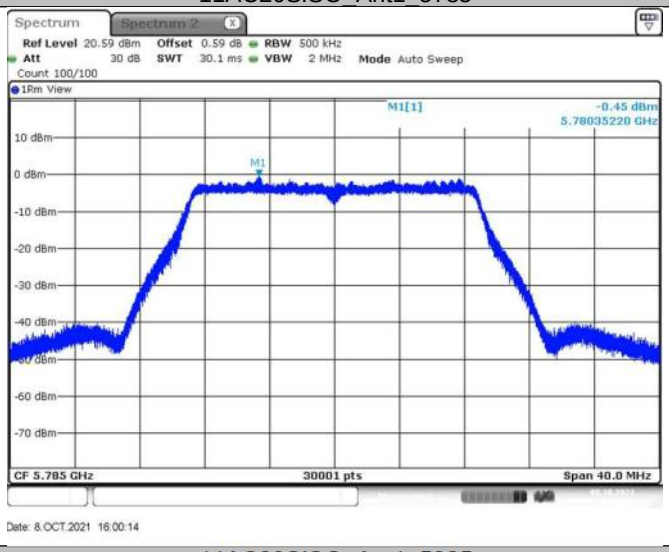
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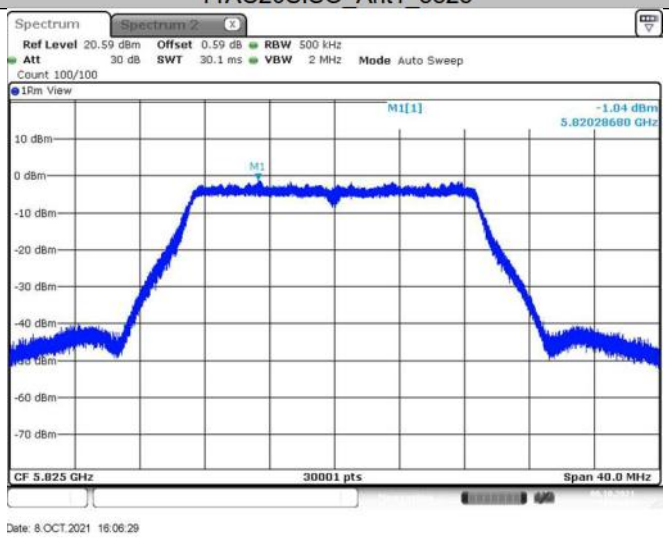
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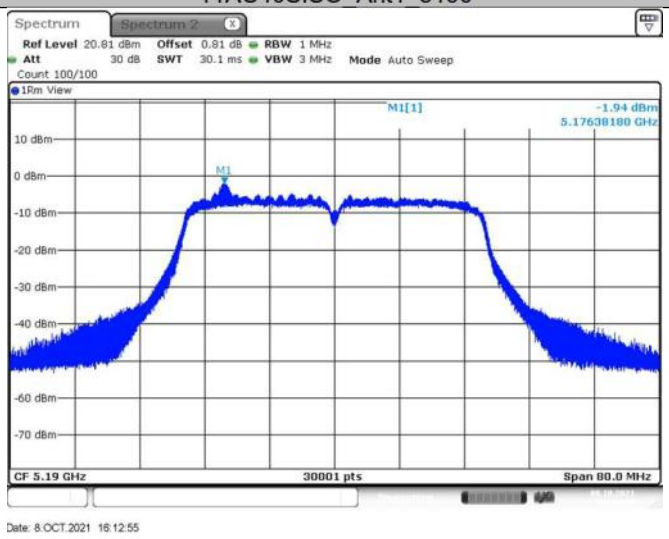

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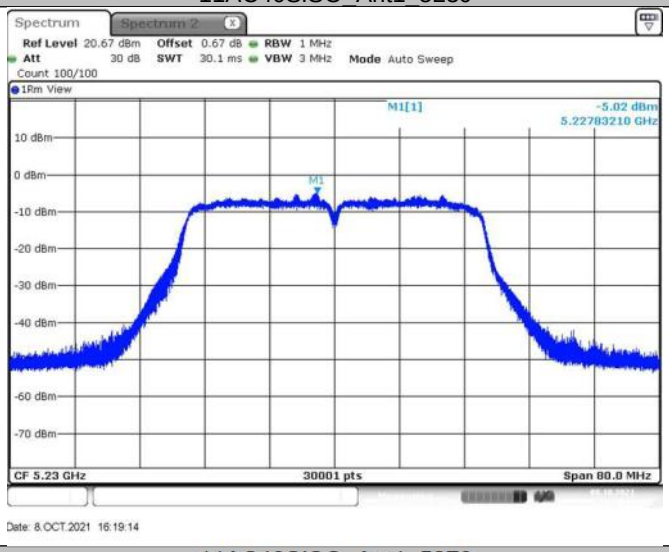
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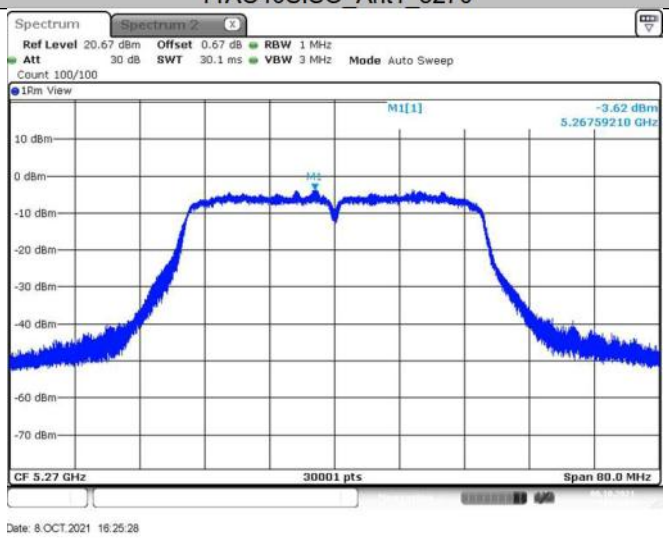
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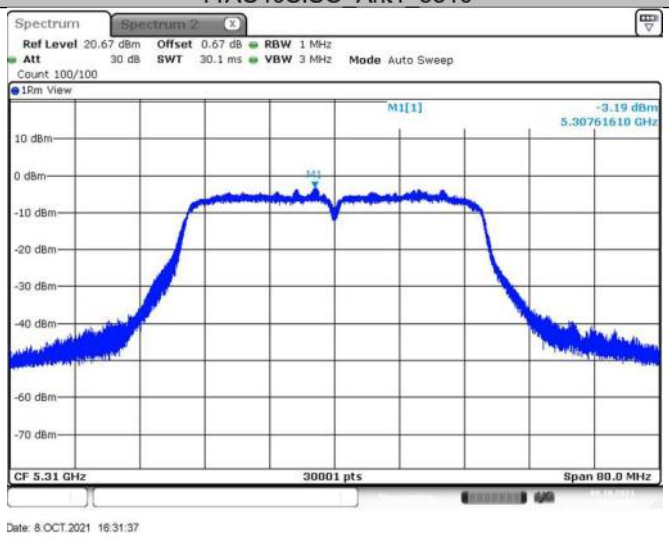

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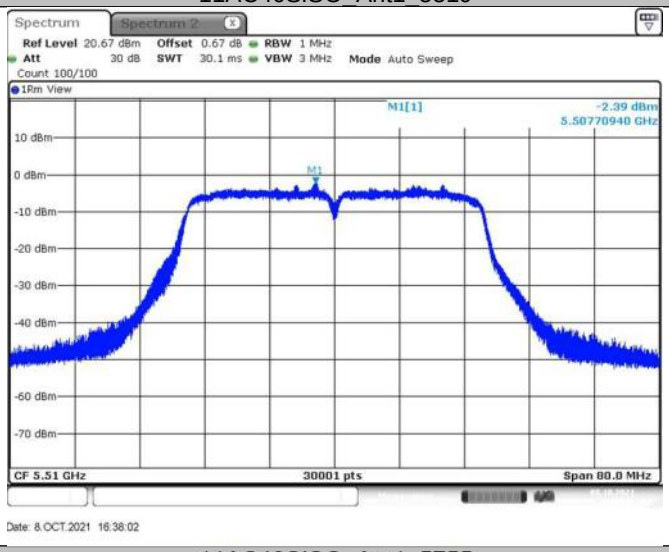
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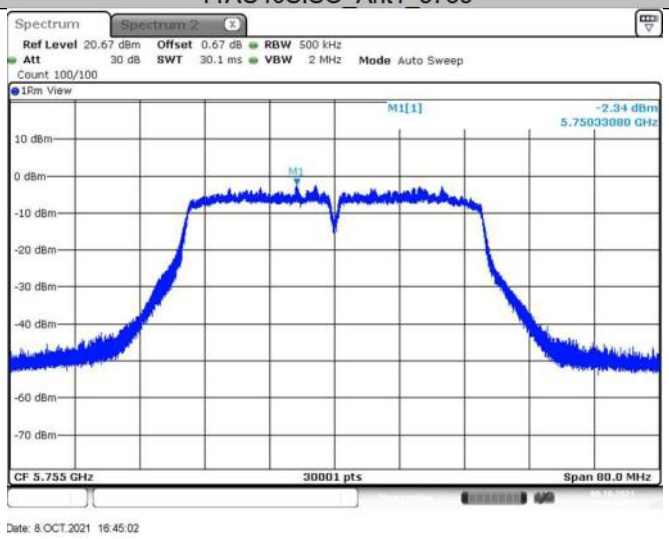
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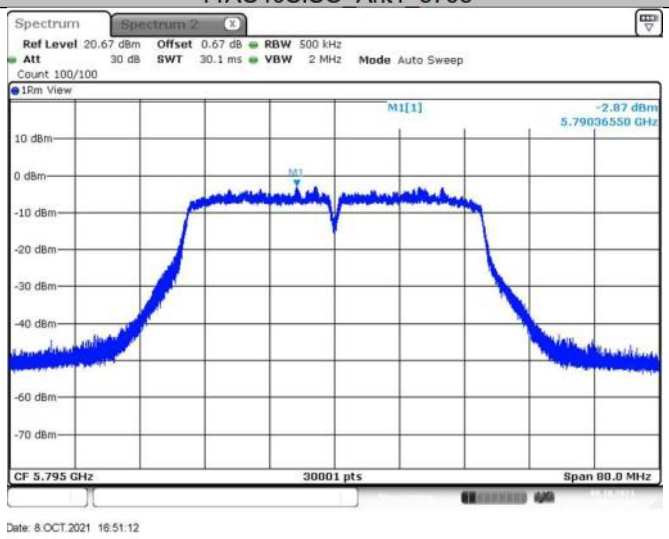

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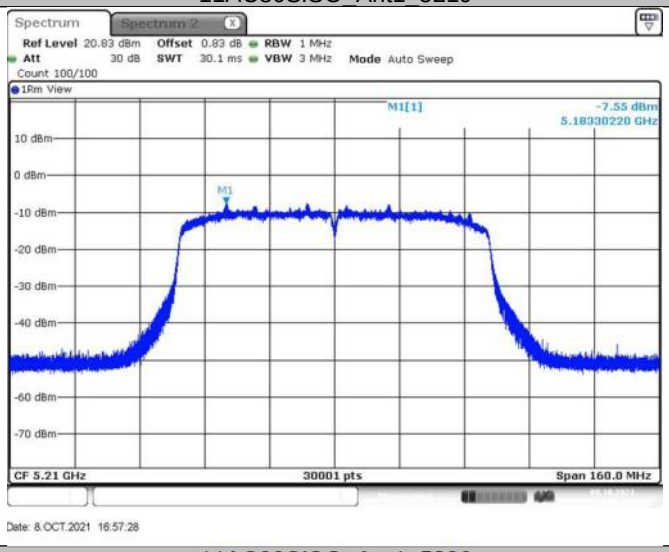
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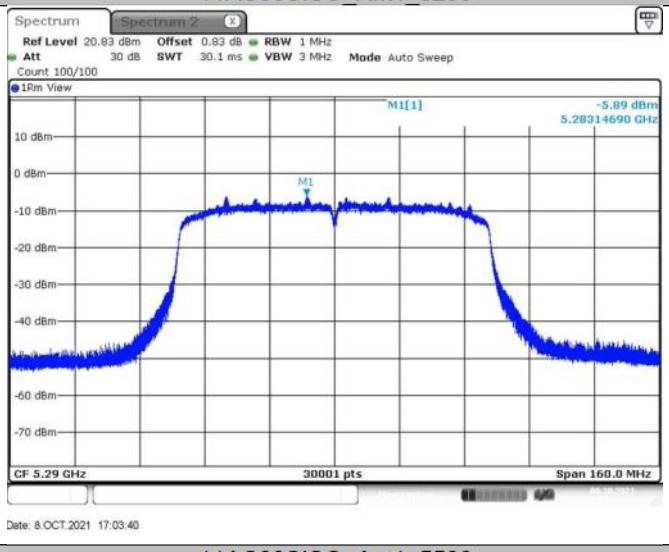
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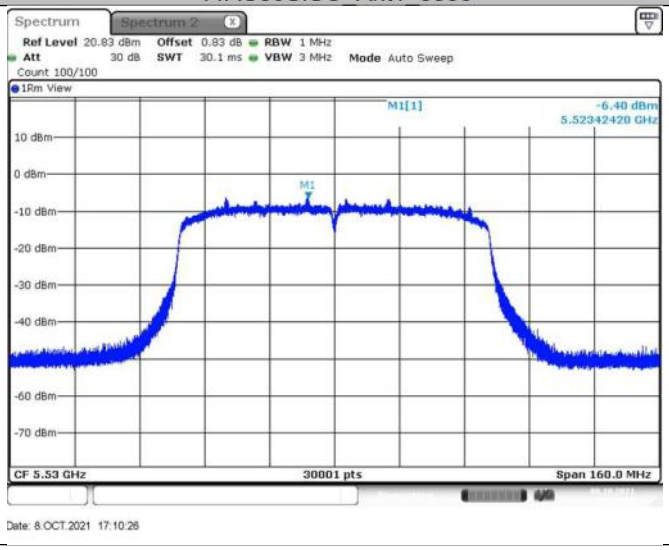

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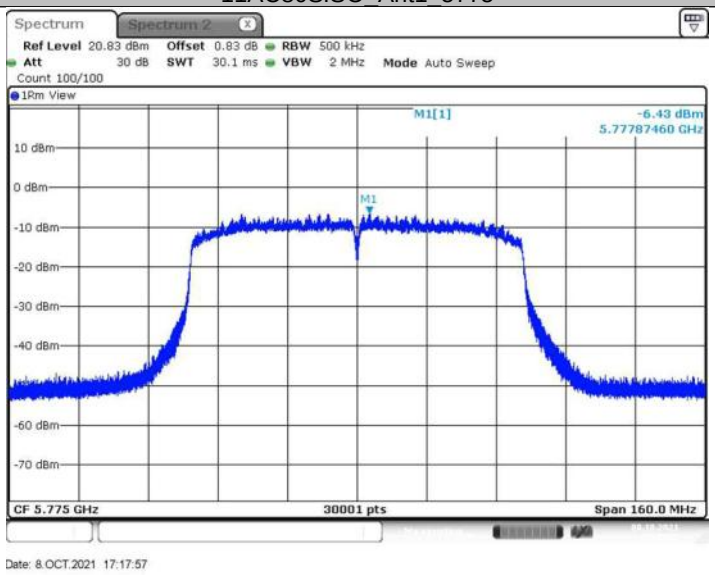

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9.5 Frequencies Stability

Test Method

1. Connect the UUT to the spectrum analyzer
2. Set Centre Frequency of the channel under test.
3. Set Detector PEAK
4. Set RBW: 10KHz, VBW: 3RBW
5. Set Span: Encompass the entire emissions bandwidth (EBW) of the signal.
6. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
User manual temperature is -20 to 50 °C.

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.

Limit: 20ppm

Test Results (All conditions and all modes were performed, only list Worst-Case in the report)
Remark: NV is normal Voltage: 3.6Vdc, HV is High Voltage: 4.14Vdc, LV is Low Voltage: 3.06Vdc, NT is normal Temperature: +20 °C.

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-22366	-4.317761	20	PASS
			LV	NT	-22566	-4.356371	20	PASS
			HV	NT	-22666	-4.375676	20	PASS
		5200	NV	NT	-22133	-4.256346	20	PASS
			LV	NT	-22433	-4.314038	20	PASS
			HV	NT	-22799	-4.384423	20	PASS
		5240	NV	NT	-21866	-4.172901	20	PASS
			LV	NT	-22033	-4.204771	20	PASS
			HV	NT	-22299	-4.255534	20	PASS
		5260	NV	NT	-22666	-4.309125	20	PASS
			LV	NT	-22999	-4.372433	20	PASS
			HV	NT	-23099	-4.391445	20	PASS
		5280	NV	NT	-23166	-4.3875	20	PASS
			LV	NT	-23466	-4.444318	20	PASS
			HV	NT	-23466	-4.444318	20	PASS
		5320	NV	NT	-23766	-4.467293	20	PASS
			LV	NT	-24066	-4.523684	20	PASS
			HV	NT	-23933	-4.498684	20	PASS
		5500	NV	NT	-24166	-4.393818	20	PASS
			LV	NT	-24666	-4.484727	20	PASS
			HV	NT	-24799	-4.508909	20	PASS
		5600	NV	NT	-24166	-4.315357	20	PASS
			LV	NT	-24199	-4.32125	20	PASS
			HV	NT	-24099	-4.303393	20	PASS

		5700	NV	NT	-24866	-4.362456	20	PASS
			LV	NT	-25566	-4.485263	20	PASS
			HV	NT	-25366	-4.450175	20	PASS
		5720	NV	NT	-25366	-4.434615	20	PASS
			LV	NT	-26066	-4.556993	20	PASS
			HV	NT	-26399	-4.61521	20	PASS
		5745	NV	NT	-25266	-4.397911	20	PASS
			LV	NT	-25766	-4.484943	20	PASS
			HV	NT	-25799	-4.490688	20	PASS
		5785	NV	NT	-25266	-4.367502	20	PASS
			LV	NT	-25866	-4.471219	20	PASS
			HV	NT	-25699	-4.442351	20	PASS
		5825	NV	NT	-25966	-4.457682	20	PASS
			LV	NT	-26232	-4.503348	20	PASS
			HV	NT	-26266	-4.509185	20	PASS
11N20SISO	Ant1	5180	NV	NT	-21333	-4.11834	20	PASS
			LV	NT	-21499	-4.150386	20	PASS
			HV	NT	-21566	-4.16332	20	PASS
		5200	NV	NT	-22566	-4.339615	20	PASS
			LV	NT	-23299	-4.480577	20	PASS
			HV	NT	-23333	-4.487115	20	PASS
		5240	NV	NT	-23933	-4.567366	20	PASS
			LV	NT	-24066	-4.592748	20	PASS
			HV	NT	-24133	-4.605534	20	PASS
		5260	NV	NT	-23666	-4.49924	20	PASS
			LV	NT	-24199	-4.60057	20	PASS
			HV	NT	-24199	-4.60057	20	PASS
		5280	NV	NT	-23766	-4.501136	20	PASS
			LV	NT	-24466	-4.633712	20	PASS
			HV	NT	-24499	-4.639962	20	PASS
		5320	NV	NT	-24433	-4.592669	20	PASS
			LV	NT	-24699	-4.642669	20	PASS
			HV	NT	-24999	-4.69906	20	PASS
		5500	NV	NT	-25432	-4.624	20	PASS
			LV	NT	-25999	-4.727091	20	PASS
			HV	NT	-25999	-4.727091	20	PASS
		5600	NV	NT	-26232	-4.684286	20	PASS
			LV	NT	-26499	-4.731964	20	PASS
			HV	NT	-26566	-4.743929	20	PASS
		5700	NV	NT	-26466	-4.643158	20	PASS
			LV	NT	-26366	-4.625614	20	PASS
			HV	NT	-26399	-4.631404	20	PASS
		5720	NV	NT	-25366	-4.434615	20	PASS
			LV	NT	-26199	-4.580245	20	PASS
			HV	NT	-26132	-4.568531	20	PASS
		5745	NV	NT	-27066	-4.711227	20	PASS
			LV	NT	-27232	-4.740122	20	PASS
			HV	NT	-27066	-4.711227	20	PASS
		5785	NV	NT	-27199	-4.701642	20	PASS
			LV	NT	-27566	-4.765082	20	PASS
			HV	NT	-27432	-4.741919	20	PASS
		5825	NV	NT	-26899	-4.617854	20	PASS
			LV	NT	-27599	-4.738026	20	PASS
			HV	NT	-27866	-4.783863	20	PASS
11N40SISO	Ant1	5190	NV	NT	-22233	-4.283815	20	PASS
			LV	NT	-22699	-4.373603	20	PASS
			HV	NT	-22633	-4.360886	20	PASS
		5230	NV	NT	-23899	-4.569598	20	PASS
			LV	NT	-24166	-4.62065	20	PASS
			HV	NT	-24333	-4.652581	20	PASS

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		5270	NV	NT	-24866	-4.718406	20	PASS
			LV	NT	-25166	-4.775332	20	PASS
			HV	NT	-25066	-4.756357	20	PASS
		5310	NV	NT	-25099	-4.726742	20	PASS
			LV	NT	-25366	-4.777024	20	PASS
			HV	NT	-25232	-4.751789	20	PASS
		5510	NV	NT	-28466	-5.166243	20	PASS
			LV	NT	-27599	-5.008893	20	PASS
			HV	NT	-27432	-4.978584	20	PASS
		5755	NV	NT	-29766	-5.172198	20	PASS
			LV	NT	-29399	-5.108427	20	PASS
			HV	NT	-29266	-5.085317	20	PASS
		5795	NV	NT	-29732	-5.13063	20	PASS
			LV	NT	-29432	-5.078861	20	PASS
			HV	NT	-29366	-5.067472	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-26266	-5.070656	20	PASS
			LV	NT	-26632	-5.141313	20	PASS
			HV	NT	-26399	-5.096332	20	PASS
		5200	NV	NT	-25666	-4.935769	20	PASS
			LV	NT	-25699	-4.942115	20	PASS
			HV	NT	-25799	-4.961346	20	PASS
		5240	NV	NT	-25632	-4.891603	20	PASS
			LV	NT	-25666	-4.898092	20	PASS
			HV	NT	-25899	-4.942557	20	PASS
		5260	NV	NT	-25632	-4.873004	20	PASS
			LV	NT	-25699	-4.885741	20	PASS
			HV	NT	-26066	-4.955513	20	PASS
		5280	NV	NT	-25199	-4.772538	20	PASS
			LV	NT	-25432	-4.816667	20	PASS
			HV	NT	-25499	-4.829356	20	PASS
		5320	NV	NT	-25332	-4.761654	20	PASS
			LV	NT	-25832	-4.855639	20	PASS
			HV	NT	-25932	-4.874436	20	PASS
		5500	NV	NT	-25566	-4.648364	20	PASS
			LV	NT	-25966	-4.721091	20	PASS
			HV	NT	-25899	-4.708909	20	PASS
		5600	NV	NT	-26099	-4.660536	20	PASS
			LV	NT	-26299	-4.69625	20	PASS
			HV	NT	-26466	-4.726071	20	PASS
		5700	NV	NT	-27532	-4.830175	20	PASS
			LV	NT	-27632	-4.847719	20	PASS
			HV	NT	-27666	-4.853684	20	PASS
		5720	NV	NT	-27732	-4.848252	20	PASS
			LV	NT	-28332	-4.953147	20	PASS
			HV	NT	-28232	-4.935664	20	PASS
		5745	NV	NT	-28332	-4.931593	20	PASS
			LV	NT	-28566	-4.972324	20	PASS
			HV	NT	-28432	-4.948999	20	PASS
		5785	NV	NT	-28399	-4.909075	20	PASS
			LV	NT	-28599	-4.943647	20	PASS
			HV	NT	-28832	-4.983924	20	PASS
		5825	NV	NT	-28732	-4.932532	20	PASS
			LV	NT	-29032	-4.984034	20	PASS
			HV	NT	-29032	-4.984034	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-25266	-4.868208	20	PASS
			LV	NT	-25466	-4.906744	20	PASS
			HV	NT	-25266	-4.868208	20	PASS
		5230	NV	NT	-25266	-4.830975	20	PASS
			LV	NT	-25566	-4.888337	20	PASS
			HV	NT	-25599	-4.894646	20	PASS

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		5270	NV	NT	-25266	-4.794307	20	PASS
			LV	NT	-25532	-4.844782	20	PASS
			HV	NT	-25566	-4.851233	20	PASS
		5310	NV	NT	-24766	-4.66403	20	PASS
			LV	NT	-25366	-4.777024	20	PASS
			HV	NT	-25566	-4.814689	20	PASS
		5510	NV	NT	-25966	-4.712523	20	PASS
			LV	NT	-26366	-4.785118	20	PASS
			HV	NT	-26366	-4.785118	20	PASS
		5755	NV	NT	-27632	-4.80139	20	PASS
			LV	NT	-27966	-4.859427	20	PASS
			HV	NT	-27866	-4.84205	20	PASS
		5795	NV	NT	-27899	-4.814323	20	PASS
			LV	NT	-28199	-4.866091	20	PASS
			HV	NT	-28399	-4.900604	20	PASS
11AC80SISO	Ant1	5210	NV	NT	-24966	-4.791939	20	PASS
			LV	NT	-25166	-4.830326	20	PASS
			HV	NT	-25199	-4.83666	20	PASS
		5290	NV	NT	-25599	-4.83913	20	PASS
			LV	NT	-25766	-4.870699	20	PASS
			HV	NT	-25966	-4.908507	20	PASS
		5530	NV	NT	-26866	-4.858228	20	PASS
			LV	NT	-27166	-4.912477	20	PASS
			HV	NT	-27266	-4.930561	20	PASS
		5775	NV	NT	-28466	-4.929177	20	PASS
			LV	NT	-28432	-4.92329	20	PASS
			HV	NT	-28632	-4.957922	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
		5180	NV	-20	-22599	-4.362741	20	PASS
			NV	-10	-22666	-4.375676	20	PASS
			NV	0	-22799	-4.401351	20	PASS
			NV	10	-22699	-4.382046	20	PASS
			NV	20	-22799	-4.401351	20	PASS
			NV	30	-22666	-4.375676	20	PASS
			NV	40	-22766	-4.394981	20	PASS
			NV	50	-22833	-4.407915	20	PASS
		5200	NV	-20	-22899	-4.420656	20	PASS
			NV	-10	-22566	-4.339615	20	PASS
			NV	0	-23099	-4.442115	20	PASS
			NV	10	-22766	-4.378077	20	PASS
			NV	20	-22766	-4.378077	20	PASS
			NV	30	-23066	-4.435769	20	PASS
			NV	40	-22933	-4.410192	20	PASS
			NV	50	-22999	-4.422885	20	PASS
		5240	NV	-20	-23233	-4.467885	20	PASS
			NV	-10	-23033	-4.429423	20	PASS
			NV	0	-22333	-4.262023	20	PASS
			NV	10	-22599	-4.312786	20	PASS
			NV	20	-22533	-4.300191	20	PASS
			NV	30	-22499	-4.293702	20	PASS
			NV	40	-22399	-4.274618	20	PASS
			NV	50	-22599	-4.312786	20	PASS
		5260	NV	-20	-22633	-4.319275	20	PASS
			NV	-10	-22533	-4.300191	20	PASS
			NV	0	-22666	-4.325573	20	PASS
			NV	10	-23199	-4.410456	20	PASS

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			NV	20	-23199	-4.410456	20	PASS
			NV	30	-23433	-4.454943	20	PASS
			NV	40	-23266	-4.423194	20	PASS
			NV	50	-23233	-4.41692	20	PASS
		5280	NV	-20	-23299	-4.429468	20	PASS
			NV	-10	-23133	-4.397909	20	PASS
			NV	0	-23266	-4.423194	20	PASS
			NV	10	-23266	-4.423194	20	PASS
			NV	20	-23633	-4.475947	20	PASS
			NV	30	-23666	-4.482197	20	PASS
			NV	40	-23666	-4.482197	20	PASS
			NV	50	-23533	-4.457008	20	PASS
		5320	NV	-20	-23799	-4.507386	20	PASS
			NV	-10	-23866	-4.520076	20	PASS
			NV	0	-23666	-4.482197	20	PASS
			NV	10	-23666	-4.482197	20	PASS
			NV	20	-23466	-4.444318	20	PASS
			NV	30	-24033	-4.517481	20	PASS
			NV	40	-24066	-4.523684	20	PASS
			NV	50	-24233	-4.555075	20	PASS
		5500	NV	-20	-24399	-4.586278	20	PASS
			NV	-10	-24333	-4.573872	20	PASS
			NV	0	-24199	-4.548684	20	PASS
			NV	10	-24299	-4.567481	20	PASS
			NV	20	-24266	-4.561278	20	PASS
			NV	30	-24299	-4.567481	20	PASS
			NV	40	-24799	-4.508909	20	PASS
			NV	50	-24733	-4.496909	20	PASS
		5600	NV	-20	-24666	-4.484727	20	PASS
			NV	-10	-24966	-4.539273	20	PASS
			NV	0	-24833	-4.515091	20	PASS
			NV	10	-24866	-4.521091	20	PASS
			NV	20	-24799	-4.508909	20	PASS
			NV	30	-25132	-4.569455	20	PASS
			NV	40	-25132	-4.569455	20	PASS
			NV	50	-24333	-4.345179	20	PASS
		5700	NV	-20	-24399	-4.356964	20	PASS
			NV	-10	-24366	-4.351071	20	PASS
			NV	0	-24533	-4.380893	20	PASS
			NV	10	-24566	-4.386786	20	PASS
			NV	20	-24666	-4.404643	20	PASS
			NV	30	-24799	-4.428393	20	PASS
			NV	40	-24733	-4.416607	20	PASS
			NV	50	-24833	-4.434464	20	PASS
		5720	NV	-20	-25532	-4.479298	20	PASS
			NV	-10	-25599	-4.491053	20	PASS
			NV	0	-25499	-4.473509	20	PASS
			NV	10	-25699	-4.508596	20	PASS
			NV	20	-25732	-4.514386	20	PASS
			NV	30	-26066	-4.572982	20	PASS
			NV	40	-25966	-4.555439	20	PASS
			NV	50	-26066	-4.572982	20	PASS
		5745	NV	-20	-26332	-4.619649	20	PASS
			NV	-10	-26366	-4.609441	20	PASS
			NV	0	-26132	-4.568531	20	PASS
			NV	10	-26199	-4.580245	20	PASS
			NV	20	-26166	-4.574476	20	PASS
			NV	30	-26266	-4.591958	20	PASS
			NV	40	-26199	-4.580245	20	PASS
			NV	50	-26232	-4.586014	20	PASS

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		5785	NV	-20	-26399	-4.61521	20	PASS
			NV	-10	-26399	-4.61521	20	PASS
			NV	0	-25732	-4.479025	20	PASS
			NV	10	-25899	-4.508094	20	PASS
			NV	20	-26066	-4.537163	20	PASS
			NV	30	-25899	-4.508094	20	PASS
			NV	40	-26166	-4.554569	20	PASS
			NV	50	-26299	-4.57772	20	PASS
		5825	NV	-20	-26332	-4.583464	20	PASS
			NV	-10	-26032	-4.531245	20	PASS
			NV	0	-26199	-4.560313	20	PASS
			NV	10	-25899	-4.476923	20	PASS
			NV	20	-26099	-4.511495	20	PASS
			NV	30	-26066	-4.505791	20	PASS
			NV	40	-25932	-4.482627	20	PASS
			NV	50	-26099	-4.511495	20	PASS
11N20SISO	Ant1	5180	NV	-20	-26132	-4.5172	20	PASS
			NV	-10	-26366	-4.557649	20	PASS
			NV	0	-26132	-4.5172	20	PASS
			NV	10	-26199	-4.528781	20	PASS
			NV	20	-26332	-4.520515	20	PASS
			NV	30	-26499	-4.549185	20	PASS
			NV	40	-26132	-4.48618	20	PASS
			NV	50	-26299	-4.51485	20	PASS
		5200	NV	-20	-26266	-4.509185	20	PASS
			NV	-10	-26166	-4.492017	20	PASS
			NV	0	-26166	-4.492017	20	PASS
			NV	10	-26166	-4.492017	20	PASS
			NV	20	-26432	-4.537682	20	PASS
			NV	30	-21866	-4.221236	20	PASS
			NV	40	-22066	-4.259846	20	PASS
			NV	50	-22133	-4.27278	20	PASS
		5240	NV	-20	-22299	-4.304826	20	PASS
			NV	-10	-22366	-4.317761	20	PASS
			NV	0	-22466	-4.337066	20	PASS
			NV	10	-22766	-4.394981	20	PASS
			NV	20	-22933	-4.42722	20	PASS
			NV	30	-22966	-4.433591	20	PASS
			NV	40	-23466	-4.512692	20	PASS
			NV	50	-23399	-4.499808	20	PASS
		5260	NV	-20	-23433	-4.506346	20	PASS
			NV	-10	-23633	-4.544808	20	PASS
			NV	0	-23599	-4.538269	20	PASS
			NV	10	-23533	-4.525577	20	PASS
			NV	20	-23799	-4.576731	20	PASS
			NV	30	-23666	-4.551154	20	PASS
			NV	40	-23899	-4.595962	20	PASS
			NV	50	-24366	-4.65	20	PASS
		5280	NV	-20	-24299	-4.637214	20	PASS
			NV	-10	-24366	-4.65	20	PASS
			NV	0	-24299	-4.637214	20	PASS
			NV	10	-24333	-4.643702	20	PASS
			NV	20	-24366	-4.65	20	PASS
			NV	30	-24533	-4.68187	20	PASS
			NV	40	-24533	-4.68187	20	PASS
			NV	50	-24599	-4.694466	20	PASS
		5320	NV	-20	-24166	-4.594297	20	PASS
			NV	-10	-24299	-4.619582	20	PASS
			NV	0	-24266	-4.613308	20	PASS
			NV	10	-24366	-4.632319	20	PASS

			NV	20	-24366	-4.632319	20	PASS
			NV	30	-24499	-4.657605	20	PASS
			NV	40	-24533	-4.664068	20	PASS
			NV	50	-24533	-4.664068	20	PASS
		5500	NV	-20	-24366	-4.632319	20	PASS
			NV	-10	-24599	-4.658902	20	PASS
			NV	0	-24566	-4.652652	20	PASS
			NV	10	-24733	-4.68428	20	PASS
			NV	20	-24666	-4.671591	20	PASS
			NV	30	-24833	-4.70322	20	PASS
			NV	40	-24933	-4.722159	20	PASS
			NV	50	-24933	-4.722159	20	PASS
		5600	NV	-20	-25132	-4.759848	20	PASS
			NV	-10	-24733	-4.68428	20	PASS
			NV	0	-24899	-4.680263	20	PASS
			NV	10	-25099	-4.717857	20	PASS
			NV	20	-25132	-4.72406	20	PASS
			NV	30	-24933	-4.686654	20	PASS
			NV	40	-24899	-4.680263	20	PASS
			NV	50	-25099	-4.717857	20	PASS
		5700	NV	-20	-25199	-4.736654	20	PASS
			NV	-10	-25066	-4.711654	20	PASS
			NV	0	-25099	-4.717857	20	PASS
			NV	10	-25999	-4.727091	20	PASS
			NV	20	-26299	-4.781636	20	PASS
			NV	30	-26266	-4.775636	20	PASS
			NV	40	-26099	-4.745273	20	PASS
			NV	50	-26199	-4.763455	20	PASS
		5720	NV	-20	-26399	-4.799818	20	PASS
			NV	-10	-26399	-4.799818	20	PASS
			NV	0	-26399	-4.799818	20	PASS
			NV	10	-26299	-4.781636	20	PASS
			NV	20	-26632	-4.755714	20	PASS
			NV	30	-26666	-4.761786	20	PASS
			NV	40	-26666	-4.761786	20	PASS
			NV	50	-26632	-4.755714	20	PASS
		5745	NV	-20	-26599	-4.749821	20	PASS
			NV	-10	-26599	-4.749821	20	PASS
			NV	0	-26699	-4.767679	20	PASS
			NV	10	-26599	-4.749821	20	PASS
			NV	20	-26799	-4.785536	20	PASS
			NV	30	-26566	-4.660702	20	PASS
			NV	40	-26332	-4.619649	20	PASS
			NV	50	-26532	-4.654737	20	PASS
		5785	NV	-20	-26732	-4.689825	20	PASS
			NV	-10	-26499	-4.648947	20	PASS
			NV	0	-26632	-4.672281	20	PASS
			NV	10	-26699	-4.684035	20	PASS
			NV	20	-26599	-4.666491	20	PASS
			NV	30	-26699	-4.684035	20	PASS
			NV	40	-26466	-4.626923	20	PASS
			NV	50	-26566	-4.644406	20	PASS
		5825	NV	-20	-26632	-4.655944	20	PASS
			NV	-10	-26499	-4.632692	20	PASS
			NV	0	-26566	-4.644406	20	PASS
			NV	10	-26699	-4.667657	20	PASS
			NV	20	-26832	-4.690909	20	PASS
			NV	30	-26799	-4.68514	20	PASS
			NV	40	-26932	-4.708392	20	PASS
			NV	50	-27599	-4.804003	20	PASS

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11N40SISO	Ant1	5190	NV	-20	-27466	-4.780853	20	PASS
			NV	-10	-27532	-4.792341	20	PASS
			NV	0	-27666	-4.815666	20	PASS
			NV	10	-27699	-4.82141	20	PASS
			NV	20	-27699	-4.82141	20	PASS
			NV	30	-27566	-4.798259	20	PASS
			NV	40	-27732	-4.827154	20	PASS
			NV	50	-27499	-4.786597	20	PASS
		5230	NV	-20	-27399	-4.736214	20	PASS
			NV	-10	-27632	-4.776491	20	PASS
			NV	0	-27666	-4.782368	20	PASS
			NV	10	-27732	-4.793777	20	PASS
			NV	20	-27699	-4.788073	20	PASS
			NV	30	-27799	-4.805359	20	PASS
			NV	40	-27566	-4.765082	20	PASS
			NV	50	-27466	-4.747796	20	PASS
		5270	NV	-20	-27732	-4.793777	20	PASS
			NV	-10	-27832	-4.778026	20	PASS
			NV	0	-27632	-4.743691	20	PASS
			NV	10	-27766	-4.766695	20	PASS
			NV	20	-27799	-4.772361	20	PASS
			NV	30	-27699	-4.755193	20	PASS
			NV	40	-27666	-4.749528	20	PASS
			NV	50	-27866	-4.783863	20	PASS
		5310	NV	-20	-27866	-4.783863	20	PASS
			NV	-10	-27732	-4.760858	20	PASS
			NV	0	-22633	-4.360886	20	PASS
			NV	10	-23066	-4.444316	20	PASS
			NV	20	-22933	-4.41869	20	PASS
			NV	30	-23099	-4.450674	20	PASS
			NV	40	-23133	-4.457225	20	PASS
			NV	50	-23199	-4.469942	20	PASS
		5510	NV	-20	-23366	-4.502119	20	PASS
			NV	-10	-23566	-4.540655	20	PASS
			NV	0	-23799	-4.585549	20	PASS
			NV	10	-24466	-4.678011	20	PASS
			NV	20	-24599	-4.703442	20	PASS
			NV	30	-24599	-4.703442	20	PASS
			NV	40	-24566	-4.697132	20	PASS
			NV	50	-24733	-4.729063	20	PASS
		5755	NV	-20	-24699	-4.722562	20	PASS
			NV	-10	-24733	-4.729063	20	PASS
			NV	0	-24766	-4.735373	20	PASS
			NV	10	-24766	-4.735373	20	PASS
			NV	20	-25066	-4.756357	20	PASS
			NV	30	-25066	-4.756357	20	PASS
			NV	40	-25199	-4.781594	20	PASS
			NV	50	-25332	-4.806831	20	PASS
		5795	NV	-20	-25166	-4.775332	20	PASS
			NV	-10	-25366	-4.813283	20	PASS
			NV	0	-25399	-4.819545	20	PASS
			NV	10	-25332	-4.806831	20	PASS
			NV	20	-25432	-4.825806	20	PASS
			NV	30	-25299	-4.764407	20	PASS
			NV	40	-25299	-4.764407	20	PASS
			NV	50	-25266	-4.758192	20	PASS
11AC20SISO	Ant1	5180	NV	-20	-25199	-4.745574	20	PASS
			NV	-10	-25299	-4.764407	20	PASS
			NV	0	-25199	-4.745574	20	PASS
			NV	10	-25132	-4.732957	20	PASS

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			NV	20	-24933	-4.69548	20	PASS
			NV	30	-24866	-4.682863	20	PASS
			NV	40	-27366	-4.966606	20	PASS
			NV	50	-27266	-4.948457	20	PASS
		5200	NV	-20	-27132	-4.924138	20	PASS
			NV	-10	-27099	-4.918149	20	PASS
			NV	0	-26932	-4.88784	20	PASS
			NV	10	-26966	-4.894011	20	PASS
			NV	20	-26899	-4.881851	20	PASS
			NV	30	-26932	-4.88784	20	PASS
			NV	40	-26866	-4.875862	20	PASS
			NV	50	-29199	-5.073675	20	PASS
		5240	NV	-20	-29199	-5.073675	20	PASS
			NV	-10	-29099	-5.056299	20	PASS
			NV	0	-29066	-5.050565	20	PASS
			NV	10	-28966	-5.033189	20	PASS
			NV	20	-28866	-5.015812	20	PASS
			NV	30	-28899	-5.021546	20	PASS
			NV	40	-28799	-5.00417	20	PASS
			NV	50	-28732	-4.992528	20	PASS
		5260	NV	-20	-29132	-5.027092	20	PASS
			NV	-10	-29099	-5.021398	20	PASS
			NV	0	-28999	-5.004142	20	PASS
			NV	10	-28999	-5.004142	20	PASS
			NV	20	-28899	-4.986885	20	PASS
			NV	30	-28999	-5.004142	20	PASS
			NV	40	-28866	-4.981191	20	PASS
			NV	50	-28866	-4.981191	20	PASS
		5280	NV	-20	-28866	-4.981191	20	PASS
			NV	-10	-26466	-5.109266	20	PASS
			NV	0	-26366	-5.089961	20	PASS
			NV	10	-26332	-5.083398	20	PASS
			NV	20	-26232	-5.064093	20	PASS
			NV	30	-26332	-5.083398	20	PASS
			NV	40	-26266	-5.070656	20	PASS
			NV	50	-26366	-5.089961	20	PASS
		5320	NV	-20	-26266	-5.070656	20	PASS
			NV	-10	-26299	-5.077027	20	PASS
			NV	0	-25799	-4.961346	20	PASS
			NV	10	-25999	-4.999808	20	PASS
			NV	20	-25732	-4.948462	20	PASS
			NV	30	-25799	-4.961346	20	PASS
			NV	40	-25966	-4.993462	20	PASS
			NV	50	-25966	-4.993462	20	PASS
		5500	NV	-20	-25999	-4.999808	20	PASS
			NV	-10	-26132	-5.025385	20	PASS
			NV	0	-25966	-4.993462	20	PASS
			NV	10	-25999	-4.961641	20	PASS
			NV	20	-25932	-4.948855	20	PASS
			NV	30	-25966	-4.955344	20	PASS
			NV	40	-25766	-4.917176	20	PASS
			NV	50	-25799	-4.923473	20	PASS
		5600	NV	-20	-26166	-4.993511	20	PASS
			NV	-10	-26032	-4.967939	20	PASS
			NV	0	-26032	-4.967939	20	PASS
			NV	10	-25999	-4.961641	20	PASS
			NV	20	-25666	-4.879468	20	PASS
			NV	30	-25966	-4.936502	20	PASS
			NV	40	-25766	-4.898479	20	PASS
			NV	50	-25732	-4.892015	20	PASS

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		5700	NV	-20	-25932	-4.930038	20	PASS
			NV	-10	-25699	-4.885741	20	PASS
			NV	0	-25832	-4.911027	20	PASS
			NV	10	-25966	-4.936502	20	PASS
			NV	20	-25632	-4.873004	20	PASS
			NV	30	-25566	-4.842045	20	PASS
			NV	40	-25699	-4.867235	20	PASS
			NV	50	-25732	-4.873485	20	PASS
		5720	NV	-20	-25566	-4.842045	20	PASS
			NV	-10	-25532	-4.835606	20	PASS
			NV	0	-25466	-4.823106	20	PASS
			NV	10	-25666	-4.860985	20	PASS
			NV	20	-25632	-4.854545	20	PASS
			NV	30	-25732	-4.873485	20	PASS
			NV	40	-25999	-4.88703	20	PASS
			NV	50	-25866	-4.86203	20	PASS
		5745	NV	-20	-25932	-4.874436	20	PASS
			NV	-10	-25932	-4.874436	20	PASS
			NV	0	-26066	-4.899624	20	PASS
			NV	10	-25966	-4.880827	20	PASS
			NV	20	-25932	-4.874436	20	PASS
			NV	30	-26132	-4.91203	20	PASS
			NV	40	-25999	-4.88703	20	PASS
			NV	50	-25999	-4.727091	20	PASS
		5785	NV	-20	-25932	-4.714909	20	PASS
			NV	-10	-26066	-4.739273	20	PASS
			NV	0	-26299	-4.781636	20	PASS
			NV	10	-26199	-4.763455	20	PASS
			NV	20	-26166	-4.757455	20	PASS
			NV	30	-26166	-4.757455	20	PASS
			NV	40	-26266	-4.775636	20	PASS
			NV	50	-25932	-4.714909	20	PASS
		5825	NV	-20	-26266	-4.690357	20	PASS
			NV	-10	-26499	-4.731964	20	PASS
			NV	0	-26399	-4.714107	20	PASS
			NV	10	-26732	-4.773571	20	PASS
			NV	20	-26832	-4.791429	20	PASS
			NV	30	-26832	-4.791429	20	PASS
			NV	40	-26899	-4.803393	20	PASS
			NV	50	-26932	-4.809286	20	PASS
11AC40SISO	Ant1	5190	NV	-20	-26799	-4.785536	20	PASS
			NV	-10	-27732	-4.865263	20	PASS
			NV	0	-27866	-4.888772	20	PASS
			NV	10	-28032	-4.917895	20	PASS
			NV	20	-28032	-4.917895	20	PASS
			NV	30	-28032	-4.917895	20	PASS
			NV	40	-27966	-4.906316	20	PASS
			NV	50	-27999	-4.912105	20	PASS
		5230	NV	-20	-28199	-4.947193	20	PASS
			NV	-10	-28099	-4.929649	20	PASS
			NV	0	-28266	-4.941608	20	PASS
			NV	10	-28332	-4.953147	20	PASS
			NV	20	-28266	-4.941608	20	PASS
			NV	30	-28266	-4.941608	20	PASS
			NV	40	-28366	-4.959091	20	PASS
			NV	50	-28332	-4.953147	20	PASS
		5270	NV	-20	-28299	-4.947378	20	PASS
			NV	-10	-28266	-4.941608	20	PASS
			NV	0	-28399	-4.96486	20	PASS
			NV	10	-28699	-4.995474	20	PASS

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			NV	20	-28499	-4.960661	20	PASS
			NV	30	-28466	-4.954917	20	PASS
			NV	40	-28632	-4.983812	20	PASS
			NV	50	-28599	-4.978068	20	PASS
		5310	NV	-20	-28632	-4.983812	20	PASS
			NV	-10	-28566	-4.972324	20	PASS
			NV	0	-28632	-4.983812	20	PASS
			NV	10	-28566	-4.972324	20	PASS
			NV	20	-28766	-4.972515	20	PASS
			NV	30	-28732	-4.966638	20	PASS
			NV	40	-28732	-4.966638	20	PASS
			NV	50	-28866	-4.989801	20	PASS
		5510	NV	-20	-28966	-5.007087	20	PASS
			NV	-10	-28832	-4.983924	20	PASS
			NV	0	-28766	-4.972515	20	PASS
			NV	10	-28766	-4.972515	20	PASS
			NV	20	-28999	-5.012792	20	PASS
			NV	30	-28899	-4.961202	20	PASS
			NV	40	-28966	-4.972704	20	PASS
			NV	50	-28766	-4.938369	20	PASS
		5755	NV	-20	-28999	-4.978369	20	PASS
			NV	-10	-28666	-4.921202	20	PASS
			NV	0	-28866	-4.955536	20	PASS
			NV	10	-28832	-4.9497	20	PASS
			NV	20	-28866	-4.955536	20	PASS
			NV	30	-29099	-4.995536	20	PASS
			NV	40	-25532	-4.919461	20	PASS
			NV	50	-25532	-4.919461	20	PASS
		5795	NV	-20	-25432	-4.900193	20	PASS
			NV	-10	-25532	-4.919461	20	PASS
			NV	0	-25732	-4.957996	20	PASS
			NV	10	-25899	-4.990173	20	PASS
			NV	20	-25566	-4.926012	20	PASS
			NV	30	-25766	-4.964547	20	PASS
			NV	40	-25666	-4.945279	20	PASS
			NV	50	-25732	-4.920076	20	PASS
11AC80SISO	Ant1	5210	NV	-20	-25799	-4.932887	20	PASS
			NV	-10	-25732	-4.920076	20	PASS
			NV	0	-25866	-4.945698	20	PASS
			NV	10	-25566	-4.888337	20	PASS
			NV	20	-25666	-4.907457	20	PASS
			NV	30	-25632	-4.900956	20	PASS
			NV	40	-25832	-4.939197	20	PASS
			NV	50	-25766	-4.926577	20	PASS
		5290	NV	-20	-25566	-4.851233	20	PASS
			NV	-10	-25499	-4.83852	20	PASS
			NV	0	-25332	-4.806831	20	PASS
			NV	10	-25466	-4.832258	20	PASS
			NV	20	-25499	-4.83852	20	PASS
			NV	30	-25299	-4.800569	20	PASS
			NV	40	-25299	-4.800569	20	PASS
			NV	50	-25232	-4.787856	20	PASS
		5530	NV	-20	-25266	-4.794307	20	PASS
			NV	-10	-25332	-4.770621	20	PASS
			NV	0	-25199	-4.745574	20	PASS
			NV	10	-25332	-4.770621	20	PASS
			NV	20	-25299	-4.764407	20	PASS
			NV	30	-25399	-4.783239	20	PASS
			NV	40	-25432	-4.789454	20	PASS
			NV	50	-25466	-4.795857	20	PASS

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