Report No.: DDT-R21122304-2E04

Issued Date: Mar. 25, 2022

FCC AND ISED CERTIFICATION TEST REPORT

FOR

Applicant	:	Edifier International Limited
Address	:	P.O. Box 6264 General Post Office Hong Kong
Equipment under Test	:	Wi-Fi Bookshelf Speaker
Model No.	:	EDF100027
Trade Mark	:	EDIFIER
FCC ID	:	Z9G-EDF167
IC	:	10004A-EDF167
Manufacturer	:	Beijing Edifier Technology Co., Ltd.
Address	:	8th floor, ZuoAn Building, NO.68 BeiSiHuanXiLu, Haidian District, Beijing 100080, CHINA

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

Tel.: +86-0769-38826678, **E-mail:** ddt@dgddt.com, http://www.dgddt.com

REPORT

Table of Contents

Test Report Declare

Applicant	:	Edifier International Limited
Address	:	P.O. Box 6264 General Post Office Hong Kong
Equipment under Test	:	Wi-Fi Bookshelf Speaker
Model No.	:	EDF100027
Trade Mark	:	EDIFIER
Manufacturer	:	Beijing Edifier Technology Co., Ltd.
Address	:	8th floor, ZuoAn Building, NO.68 BeiSiHuanXiLu, Haidian District, Beijing 100080, CHINA
Factory	:	Dongguan Edifier Technology Co., Ltd.
Address	:	No.2 Gongyedong Road, Songshan Lake Sci&Tech Industry Park, Dongguan, Guangdong 523808, PR. China

Test Standard Used: FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 2 February 2017.

Test procedure used: ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 April 2018.

We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC&ISED standards.

Report No:	DDT-R21122304-2E04		
Date of Receipt:	Dec. 24, 2021	**Date of Test:**	Dec. 24, 2021~ Mar. 24, 2022

Prepared By: ***Approved By:***

Ella Gong

Ella Gong/Engineer ***Damon Hu/EMC Manager***

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Mar. 25, 2022	

1. Summary of test results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	**Standard**	**Verdict**
6/26db Bandwidth and 99% Bandwidth	FCC 15.407 (e) RSS-247 Clause 6.2	Pass
Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
Frequency Stability Measurement	FCC 15.407 (g)	Pass
Emissions in restricted frequency bands	FCC 15.407 (a) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	Pass
Band Edge Compliance	FCC 15.407 (a) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	Pass
Power Line Conducted Emission	FCC 15.207 RSS-GEN Clause 8.8	Pass
Antenna requirement	FCC 15.203 RSS-GEN Clause 8.3	Pass
Dynamic Frequency Selection	FCC 15.407 (h) RSS-247 Clause 6.3	Pass

2. General Test Information

2.1. Description of EUT

EUT* Name	:	Wi-Fi Bookshelf Speaker
Model Number	:	EDF100027
EUT function description	:	Please reference user manual of this device
Power supply	:	100-240V ~ 50/60Hz 400mA
Radio Technology	:	IEEE 802.11a/n/ac
Operation frequency	:	IEEE 802.11a: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5700MHz, 5745MHz-5825MHz IEEE 802.11n HT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5700MHz, 5745MHz-5825MHz IEEE 802.11n HT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5670MHz, 5755MHz-5755MHz IEEE 802.11ac HT20: 5180MHz-5240MHz, 5260MHz-5320MHz,5500MHz-5700MHz, 5745MHz-5825MHz IEEE 802.11ac HT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5670MHz, 5755MHz-5755MHz IEEE 802.11ac HT80: 5210MHz, 5290MHz, 5530MHz, 5775MHz
Modulation	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Transmitter rate	:	IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n HT20: 14.4, 28.9, 43.3, 57.8, 86.7, 115.6, 130.0, 144.4 Mbps IEEE 802.11n HT40: 30, 60, 90, 120, 180, 240, 270, 300 Mbps IEEE 802.11ac HT20: 14.4, 28.8, 43.4, 57.8, 86.6, 115.6, 130, 144.4, 173.4 Mbps IEEE 802.11ac HT40: 30, 60, 90, 120, 180, 240, 270, 300, 360, 400 Mbps IEEE 802.11ac HT80: 65, 130, 195, 260, 390, 520, 585, 650, 780, 866.6 Mbps
Antenna Gain	:	Maximum PK gain: 3.5 dBi
Sample Type	:	Series production
Serial Number	:	SN1016000000405 for conductive SN1016000001002 for radiation

Note 1: EUT is the ab. of equipment under test.
Note 2: Band 5600-5650MHz will be disabled when shipped to Canada.
Note 3: This wireless module supports Bluetooth and WIFI wireless technology, but it does not support simultaneous transmission of Bluetooth and WIFI, nor does it support simultaneous transmission of 2.4G WIFI and 5G WIFI.

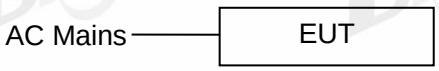
2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
AC cable	N/A	N/A	Length: 1.8m, unshielded
OPT cable	N/A	N/A	Length: 1.5m, unshielded
1 to 2 Line in cable	N/A	N/A	Length: 1.7m, unshielded
2 to 2 Line in cable	N/A	N/A	Length: 1.7m, unshielded
Speaker cable	N/A	N/A	Length: 5.0m, unshielded

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
Notebook	Lenovo Beijing Co. Ltd.	ThinkPad	FCC/CE	TP00015A
Wireless LAN Access Point	HUAWEI	AP6050	21500829352SC5000371	FCC ID: QISAP6050DN6150DN

2.4. Block diagram of EUT configuration for test



Run a special test software “Adb.exe” provided by manufacturer to control EUT work in Continuous Tx mode, and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information				
Mode	Setting Tx Power	data rate (Mpbs) (see Note)	Channel	Frequency (MHz)
IEEE 802.11a	\	6	Low: CH36	5180
	\	6	Middle: CH40	5200
	\	6	High: CH48	5240
	\	6	Low: CH52	5260
	\	6	Middle: CH56	5280
	\	6	High: CH64	5320
	\	6	Low: CH100	5500
	\	6	Middle: CH116	5580
	\	6	High: CH140	5700
	\	6	Low: CH149	5745
	\	6	Middle: CH157	5785
	\	6	High: CH165	5825
IEEE 802.11n HT20	\	MCS 0	Low: CH36	5180
	\	MCS 0	Middle: CH40	5200
	\	MCS 0	High: CH48	5240
	\	MCS 0	Low: CH52	5260
	\	MCS 0	Middle: CH56	5280
	\	MCS 0	High: CH64	5320
	\	MCS 0	Low: CH100	5500
	\	MCS 0	Middle: CH116	5580
	\	MCS 0	High: CH140	5700
	\	MCS 0	Low: CH149	5745
	\	MCS 0	Middle: CH157	5785
	\	MCS 0	High: CH165	5825
IEEE 802.11n HT40	\	MCS 0	Low: CH38	5190
	\	MCS 0	Middle: CH46	5230

	\	MCS 0	High: CH54	5270
	\	MCS 0	Low: CH62	5310
	\	MCS 0	Middle: CH102	5510
	\	MCS 0	High: CH110	5550
	\	MCS 0	Low: CH134	5670
	\	MCS 0	Middle: CH151	5755
	\	MCS 0	High: CH159	5795
IEEE 802.11ac HT20	\	MCS 0	Low: CH36	5180
	\	MCS 0	Middle: CH40	5200
	\	MCS 0	High: CH48	5240
	\	MCS 0	Low: CH52	5260
	\	MCS 0	Middle: CH56	5280
	\	MCS 0	High: CH64	5320
	\	MCS 0	Low: CH100	5500
	\	MCS 0	Middle: CH116	5580
	\	MCS 0	High: CH140	5700
	\	MCS 0	Low: CH149	5745
	\	MCS 0	Middle: CH157	5785
	\	MCS 0	High: CH165	5825
IEEE 802.11ac HT40	\	MCS 0	Low: CH38	5190
	\	MCS 0	Middle: CH46	5230
	\	MCS 0	High: CH54	5270
	\	MCS 0	Low: CH62	5310
	\	MCS 0	Middle: CH102	5510
	\	MCS 0	High: CH110	5550
	\	MCS 0	Low: CH134	5670
	\	MCS 0	Middle: CH151	5755
	\	MCS 0	High: CH159	5795
IEEE 802.11ac HT80	\	MCS 0	CH42	5210
	\	MCS 0	CH58	5290
	\	MCS 0	CH106	5530
	\	MCS 0	CH122	5610
	\	MCS 0	CH155	5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.				

2.5. Deviations of test standard

No Deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25℃
Humidity range:	40-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, G-20118

2.8. Measurement uncertainty

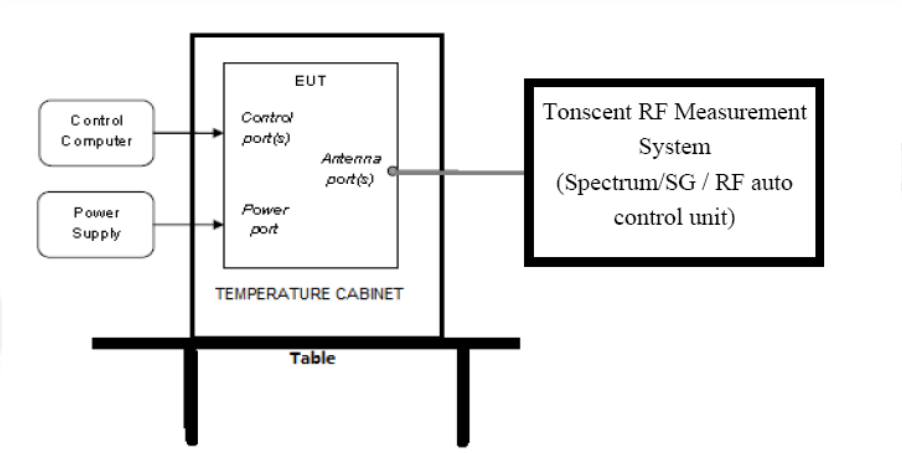
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB (10 MHz ≤ f < 3.6GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz≤ f < 22 GHz)
Uncertainty for radio frequency (RBW<20kHz)	3×10^{-8}
Temperature	0.4℃
Humidity	2%
Uncertainty for Radiation Emission test (30MHz-1GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1GHz-40GHz)	4.10 dB (1-6 GHz)
	4.40 dB (6 GHz-18 GHz)
	3.54 dB (18 GHz-26 GHz)
	4.30 dB (26 GHz-40 GHz)
Uncertainty for Power line conduction emission test	3.32 dB (150 kHz-30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☒RF Connected Test (Tonscend RF Measurement System 3#)					
Signal analyzer	R&S	FSQ26	101272	Jun. 01, 2021	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	Jun. 01, 2021	1 Year
Vector Signal Generator	Agilent	N5182A	MY19060405	Jun. 01, 2021	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	Jun. 01, 2021	1 Year
RF Control Unit	Tonsend	JS0806-2	DDT-ZC01449	Jun. 01, 2021	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	Jun. 01, 2021	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.2.6.77.0518	N/A	N/A
☒Radiation 3#chamber					
EMI Test Receiver	R&S	ESU	100472	Jun. 01, 2021	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jun. 01, 2021	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2021	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Aug. 07, 2021	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 17, 2021	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	May 08, 2021	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Sep. 02, 2021	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	Mar. 14, 2021	1 Year
Test software	Audix	E3	V 6.1.1.1	N/A	N/A
Power Line Conducted Emissions Test					
Test Receiver	R&S	ESCI	100551	Sep. 02, 2021	1 Year
LISN 1	R&S	ENV216	101109	Sep. 07, 2021	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 07, 2021	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Sep. 02, 2021	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Sep. 02, 2021	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

4. 26dB Bandwidth, 6dB Bandwidth and 99% Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Bandwidth	26 dB Bandwidth	5150 - 5250
	26 dB Bandwidth	5250 - 5350
	26 dB Bandwidth	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725
	Minimum 500 kHz 6 dB Bandwidth	5725 - 5850

4.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

(2) Allow the trace to stabilize, 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 26 dB and 6 dB relative to the maximum level measured in the fundamental emission.

4.4. Test result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	23.44	5169.16	5192.60	---	PASS
		5200	22.16	5189.16	5211.32	---	PASS
		5240	21.56	5229.16	5250.72	---	PASS
		5260	25.64	5247.12	5272.76	---	PASS
		5280	23.96	5268.56	5292.52	---	PASS
		5320	26.16	5306.48	5332.64	---	PASS
		5500	21.68	5489.24	5510.92	---	PASS
		5580	21.72	5569.20	5590.92	---	PASS
		5700	21.72	5689.16	5710.88	---	PASS
		5745	26.36	5731.36	5757.72	---	PASS
		5785	26.40	5771.40	5797.80	---	PASS
		5825	26.52	5811.24	5837.76	---	PASS
11N20SISO	Ant1	5180	22.84	5168.96	5191.80	---	PASS
		5200	23.12	5189.04	5212.16	---	PASS
		5240	23.20	5228.88	5252.08	---	PASS
		5260	27.16	5248.08	5275.24	---	PASS
		5280	27.92	5266.84	5294.76	---	PASS
		5320	28.52	5305.72	5334.24	---	PASS
		5500	21.92	5489.12	5511.04	---	PASS
		5580	22.00	5568.96	5590.96	---	PASS
		5700	21.80	5689.08	5710.88	---	PASS
		5745	28.00	5731.64	5759.64	---	PASS
		5785	28.12	5771.20	5799.32	---	PASS
		5825	28.56	5811.20	5839.76	---	PASS
11N40SISO	Ant1	5190	40.40	5169.92	5210.32	---	PASS
		5230	48.16	5209.92	5258.08	---	PASS
		5270	62.00	5243.52	5305.52	---	PASS
		5310	58.72	5283.52	5342.24	---	PASS
		5510	40.32	5489.84	5530.16	---	PASS
		5550	40.40	5529.76	5570.16	---	PASS
		5670	40.24	5649.84	5690.08	---	PASS
		5755	53.84	5731.16	5785.00	---	PASS
		5795	50.48	5773.80	5824.28	---	PASS
11AC20SISO	Ant1	5180	24.60	5169.08	5193.68	---	PASS
		5200	24.36	5189.04	5213.40	---	PASS
		5240	22.60	5229.00	5251.60	---	PASS
		5260	24.52	5248.72	5273.24	---	PASS
		5280	24.60	5268.08	5292.68	---	PASS
		5320	26.28	5306.68	5332.96	---	PASS
		5500	22.04	5489.04	5511.08	---	PASS
		5580	21.96	5569.00	5590.96	---	PASS
		5700	22.20	5688.68	5710.88	---	PASS
		5745	30.16	5730.40	5760.56	---	PASS
		5785	28.00	5771.64	5799.64	---	PASS
		5825	26.72	5813.40	5840.12	---	PASS
11AC40SISO	Ant1	5190	42.80	5169.84	5212.64	---	PASS
		5230	42.24	5209.76	5252.00	---	PASS
		5270	59.36	5245.36	5304.72	---	PASS

		5310	52.00	5288.96	5340.96	---	PASS
		5510	40.40	5489.92	5530.32	---	PASS
		5550	40.24	5530.00	5570.24	---	PASS
		5670	42.16	5649.84	5692.00	---	PASS
		5755	56.24	5730.60	5786.84	---	PASS
		5795	53.04	5774.60	5827.64	---	PASS
11AC80SISO	Ant1	5210	81.76	5169.20	5250.96	---	PASS
		5290	101.44	5243.44	5344.88	---	PASS
		5530	82.24	5488.88	5571.12	---	PASS
		5610	89.76	5569.20	5658.96	---	PASS
		5775	111.68	5733.24	5844.92	---	PASS

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	17.24	5171.360	5188.600	---	PASS
		5200	17.20	5191.360	5208.560	---	PASS
		5240	17.16	5231.360	5248.520	---	PASS
		5260	17.36	5251.280	5268.640	---	PASS
		5280	17.36	5271.240	5288.600	---	PASS
		5320	17.36	5311.280	5328.640	---	PASS
		5500	17.16	5491.440	5508.600	---	PASS
		5580	17.16	5571.400	5588.560	---	PASS
		5700	17.16	5691.360	5708.520	---	PASS
		5745	17.44	5736.200	5753.640	---	PASS
		5785	17.48	5776.240	5793.720	---	PASS
		5825	17.44	5816.200	5833.640	---	PASS
11N20SISO	Ant1	5180	18.32	5170.920	5189.240	---	PASS
		5200	18.24	5190.920	5209.160	---	PASS
		5240	18.20	5230.920	5249.120	---	PASS
		5260	18.36	5250.840	5269.200	---	PASS
		5280	18.40	5270.800	5289.200	---	PASS
		5320	18.40	5310.800	5329.200	---	PASS
		5500	18.16	5490.960	5509.120	---	PASS
		5580	18.20	5570.920	5589.120	---	PASS
		5700	18.16	5690.920	5709.080	---	PASS
		5745	18.40	5735.800	5754.200	---	PASS
		5785	18.40	5775.840	5794.240	---	PASS
		5825	18.40	5815.800	5834.200	---	PASS
11N40SISO	Ant1	5190	36.72	5171.760	5208.480	---	PASS
		5230	36.80	5211.680	5248.480	---	PASS
		5270	37.36	5251.440	5288.800	---	PASS
		5310	37.28	5291.440	5328.720	---	PASS
		5510	36.72	5491.760	5528.480	---	PASS
		5550	36.72	5531.760	5568.480	---	PASS
		5670	36.80	5651.600	5688.400	---	PASS
		5755	37.12	5736.520	5773.640	---	PASS
		5795	37.12	5776.520	5813.640	---	PASS
11AC20SISO	Ant1	5180	18.28	5170.920	5189.200	---	PASS
		5200	18.20	5190.920	5209.120	---	PASS
		5240	18.24	5230.880	5249.120	---	PASS
		5260	18.40	5250.800	5269.200	---	PASS

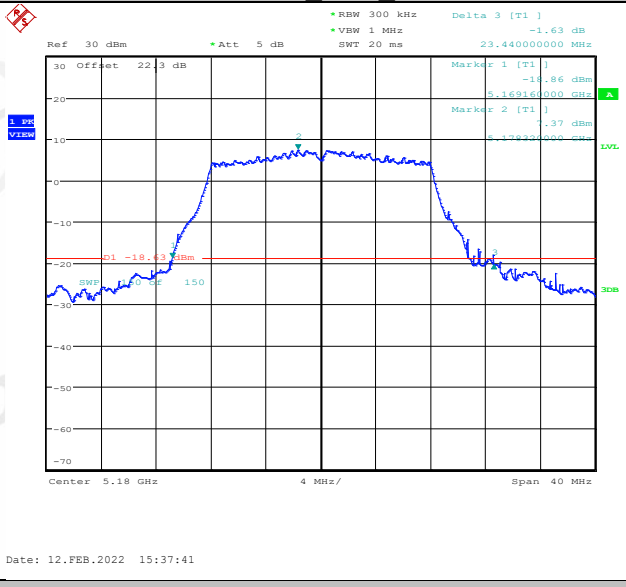
		5280	18.32	5270.840	5289.160	---	PASS
		5320	18.40	5310.800	5329.200	---	PASS
		5500	18.16	5490.960	5509.120	---	PASS
		5580	18.20	5570.920	5589.120	---	PASS
		5700	18.16	5690.880	5709.040	---	PASS
		5745	18.32	5735.800	5754.120	---	PASS
		5785	18.36	5775.840	5794.200	---	PASS
		5825	18.36	5815.880	5834.240	---	PASS
11AC40SISO	Ant1	5190	37.04	5171.600	5208.640	---	PASS
		5230	36.88	5211.600	5248.480	---	PASS
		5270	37.28	5251.440	5288.720	---	PASS
		5310	36.88	5291.600	5328.480	---	PASS
		5510	36.64	5491.760	5528.400	---	PASS
		5550	36.48	5531.840	5568.320	---	PASS
		5670	36.96	5651.520	5688.480	---	PASS
		5755	37.20	5736.520	5773.720	---	PASS
		5795	36.96	5776.600	5813.560	---	PASS
11AC80SISO	Ant1	5210	75.52	5172.240	5247.760	---	PASS
		5290	75.84	5252.080	5327.920	---	PASS
		5530	75.36	5492.560	5567.920	---	PASS
		5610	75.68	5572.400	5648.080	---	PASS
		5775	76.16	5737.080	5813.240	---	PASS

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
		5785	16.32	5776.84	5793.16	0.5	PASS
		5825	16.32	5816.84	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.28	5736.48	5753.76	0.5	PASS
		5785	17.52	5776.24	5793.76	0.5	PASS
		5825	17.52	5816.24	5833.76	0.5	PASS
11N40SISO	Ant1	5755	35.84	5737.08	5772.92	0.5	PASS
		5795	35.52	5777.24	5812.76	0.5	PASS
11AC20SISO	Ant1	5745	17.32	5736.20	5753.52	0.5	PASS
		5785	17.28	5776.48	5793.76	0.5	PASS
		5825	16.32	5817.20	5833.52	0.5	PASS
11AC40SISO	Ant1	5755	36.08	5736.84	5772.92	0.5	PASS
		5795	35.44	5777.16	5812.60	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

4.5. Original test data

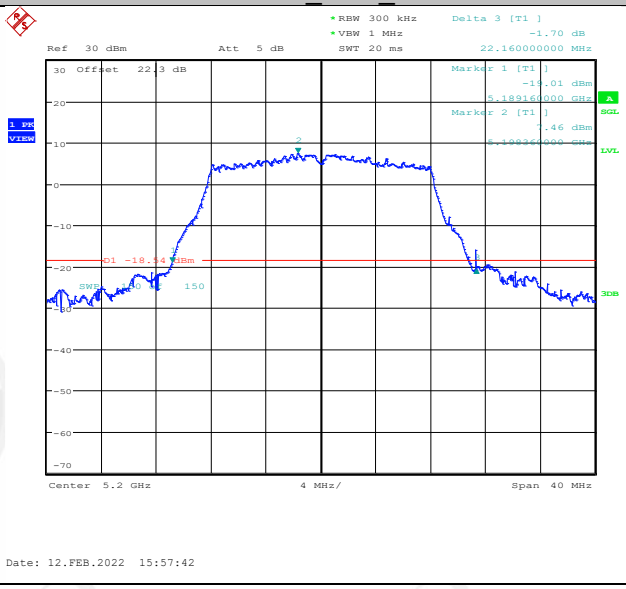
26 dB Bandwidth:

11A_Ant1_5180



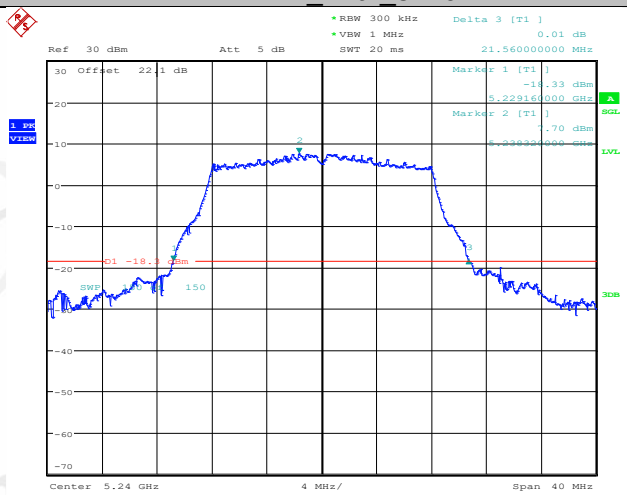
Date: 12.FEB.2022 15:37:41

11A_Ant1_5200



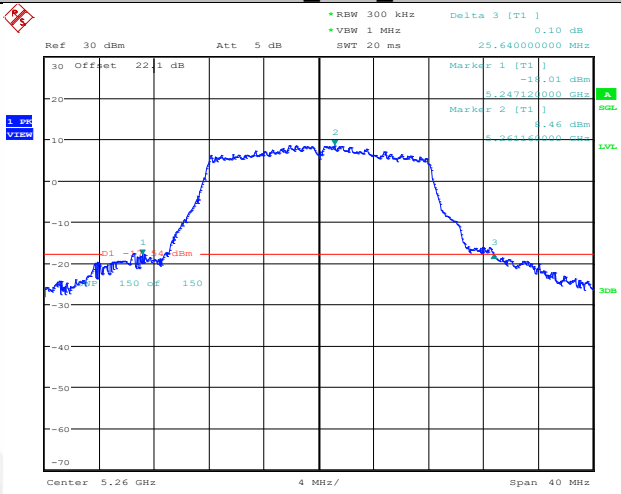
Date: 12.FEB.2022 15:57:42

11A_Ant1_5240



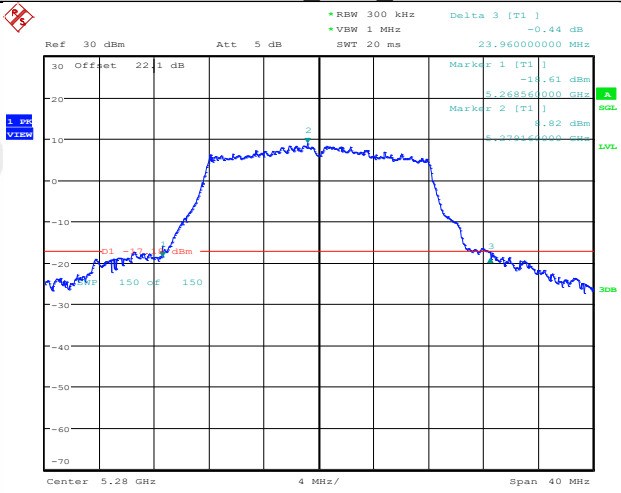
Date: 12.FEB.2022 16:04:32

11A_Ant1_5260



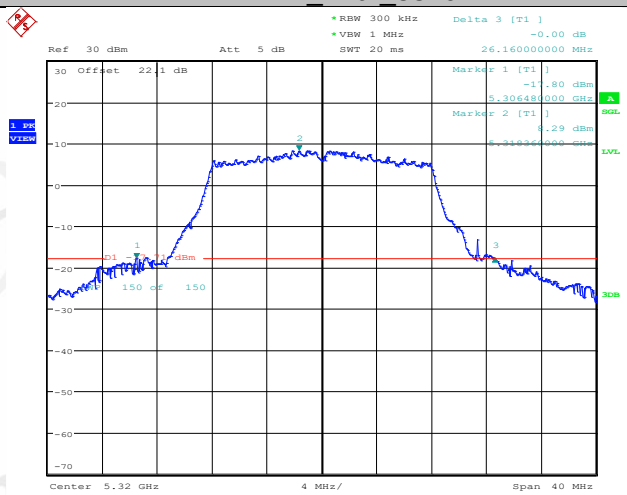
Date: 12.FEB.2022 16:11:20

11A_Ant1_5280



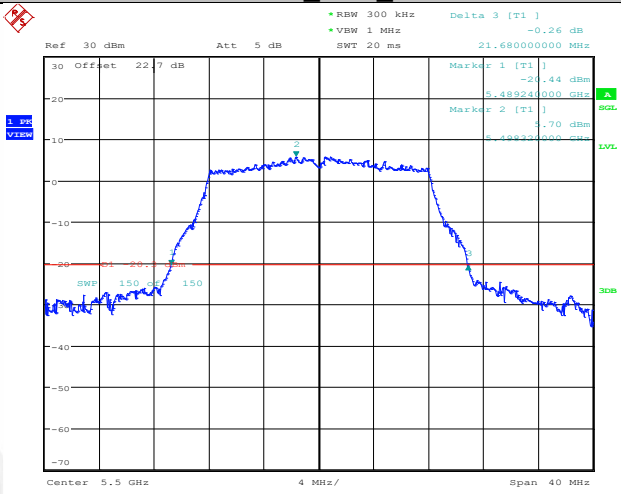
Date: 12.FEB.2022 16:19:26

11A_Ant1_5320



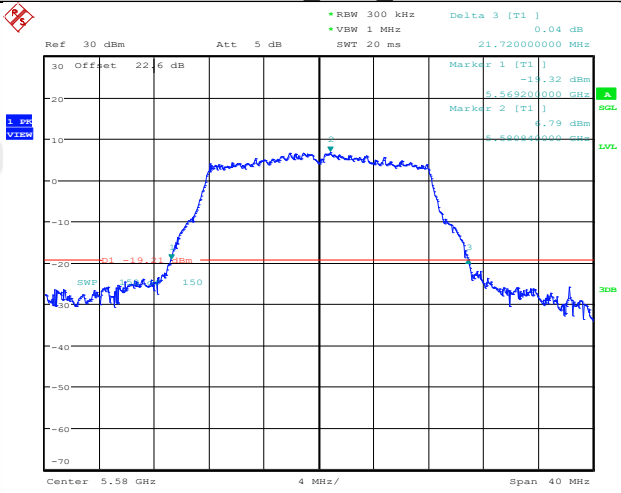
Date: 12.FEB.2022 18:20:42

11A_Ant1_5500



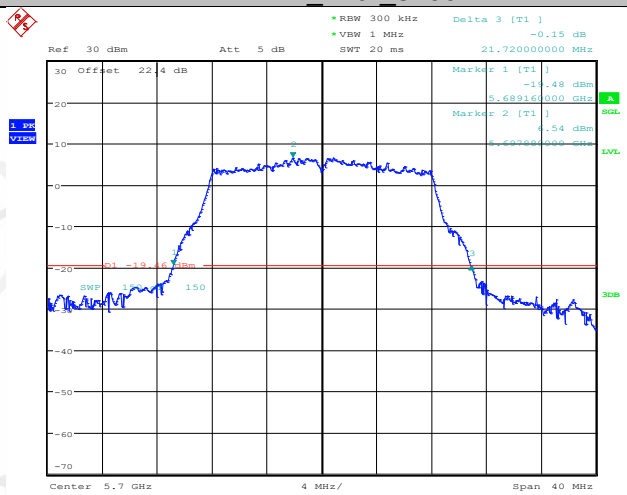
Date: 12.FEB.2022 18:32:50

11A_Ant1_5580



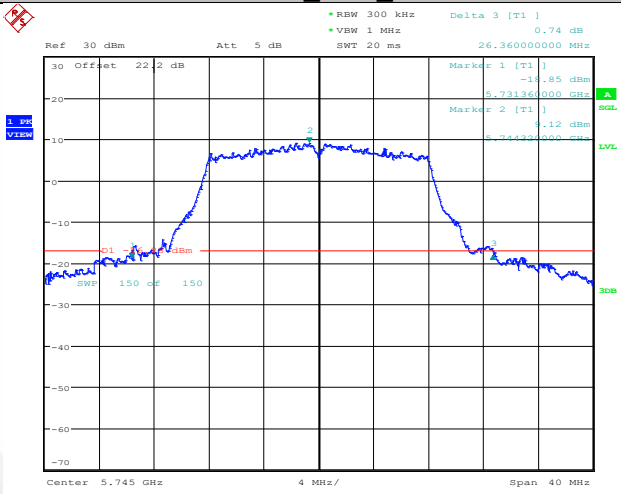
Date: 12.FEB.2022 18:39:01

11A_Ant1_5700



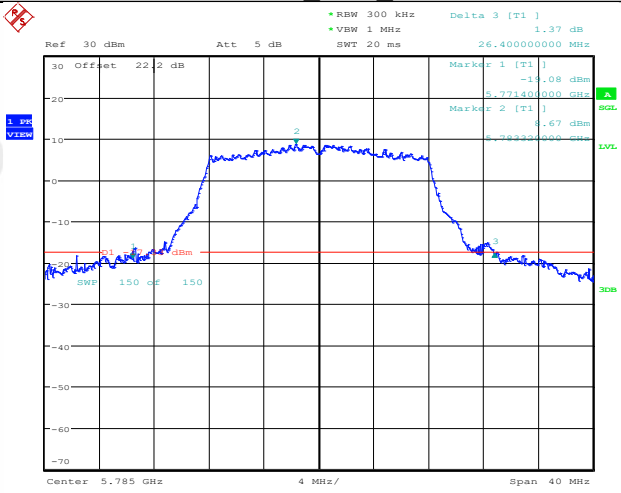
Date: 12.FEB.2022 18:44:39

11A_Ant1_5745



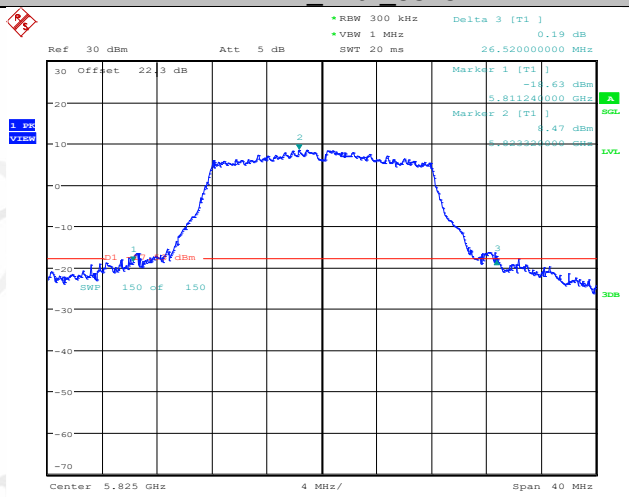
Date: 12.FEB.2022 18:50:01

11A_Ant1_5785



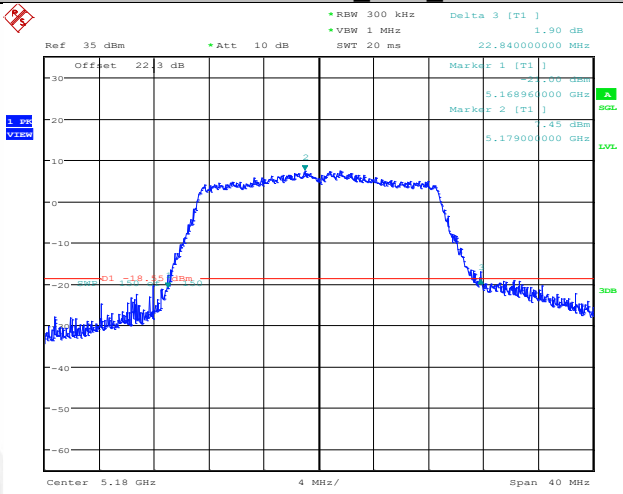
Date: 12.FEB.2022 18:57:00

11A_Ant1_5825



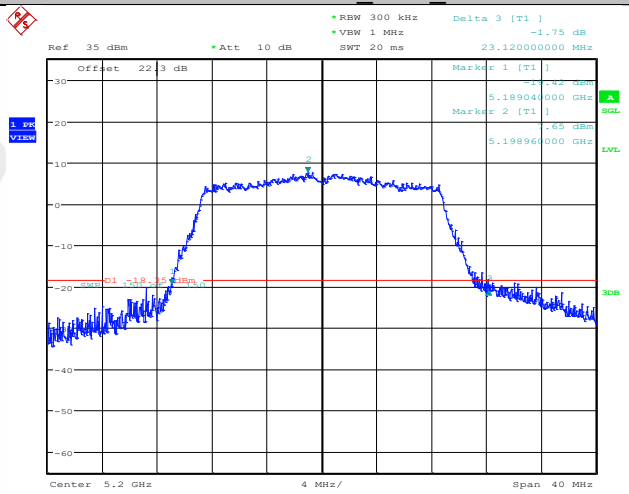
Date: 12.FEB.2022 19:06:06

11N20SISO_Ant1_5180



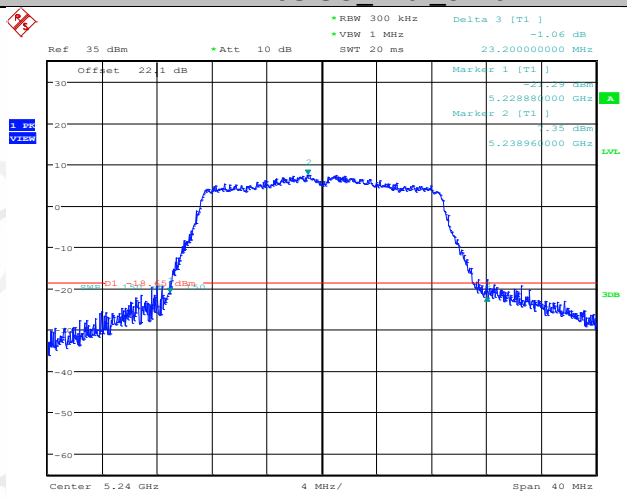
Date: 12.FEB.2022 19:11:59

11N20SISO_Ant1_5200



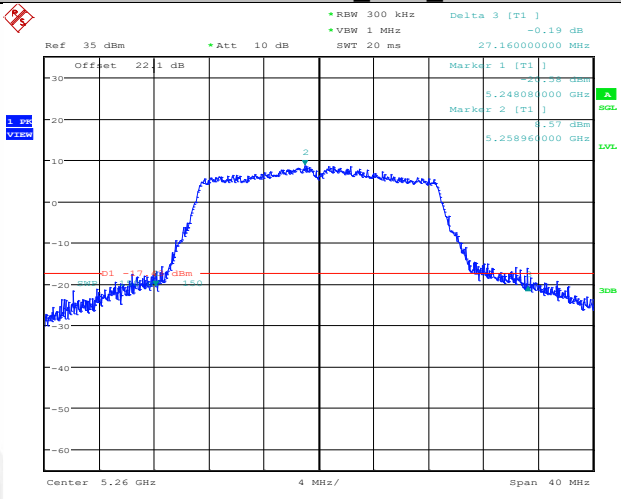
Date: 12.FEB.2022 19:17:11

11N20SISO_Ant1_5240



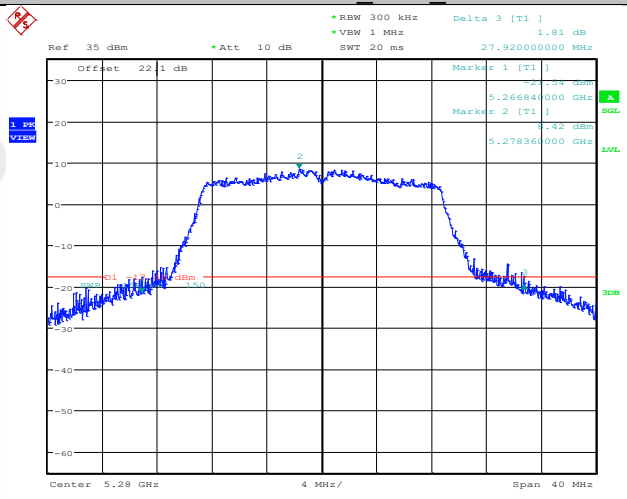
Date: 12.FEB.2022 19:23:54

11N20SISO_Ant1_5260



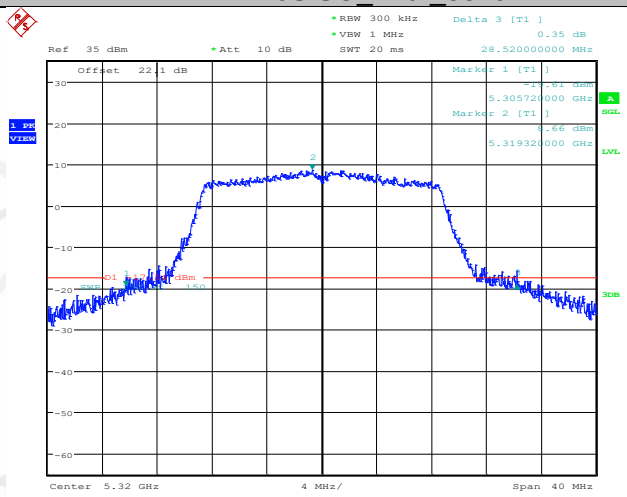
Date: 12.FEB.2022 19:28:58

11N20SISO_Ant1_5280

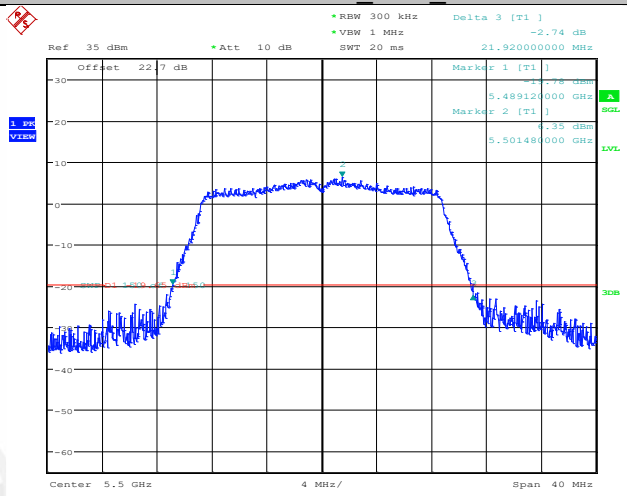


Date: 12.FEB.2022 19:35:33

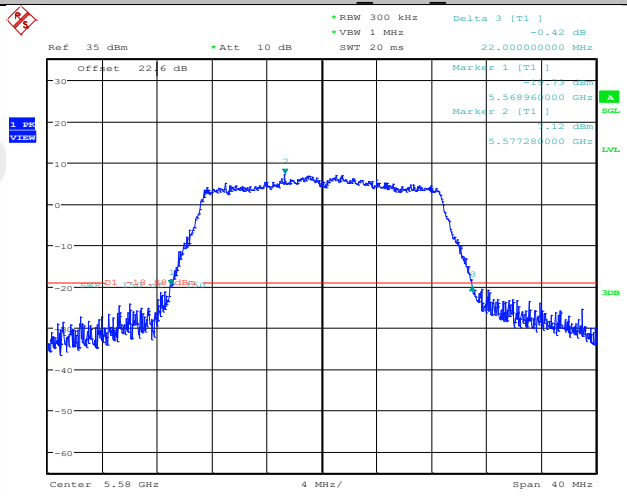
11N20SISO_Ant1_5320



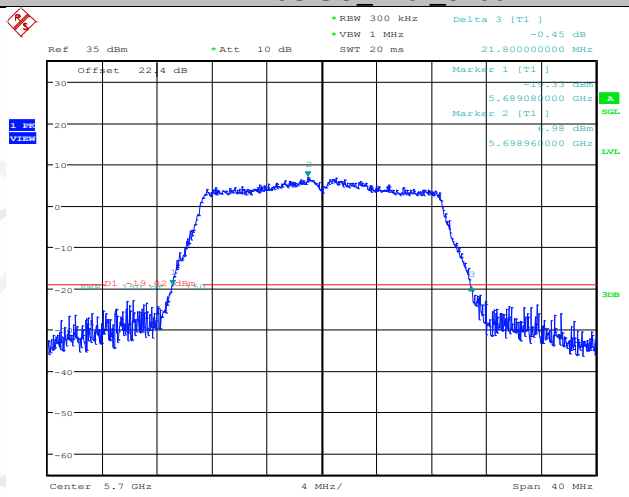
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580

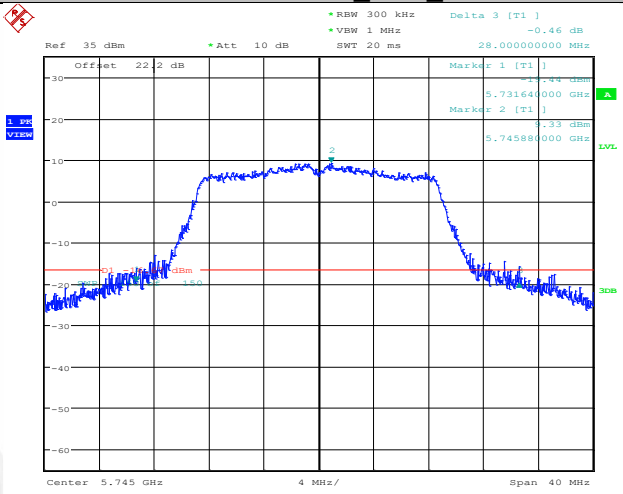


11N20SISO_Ant1_5700



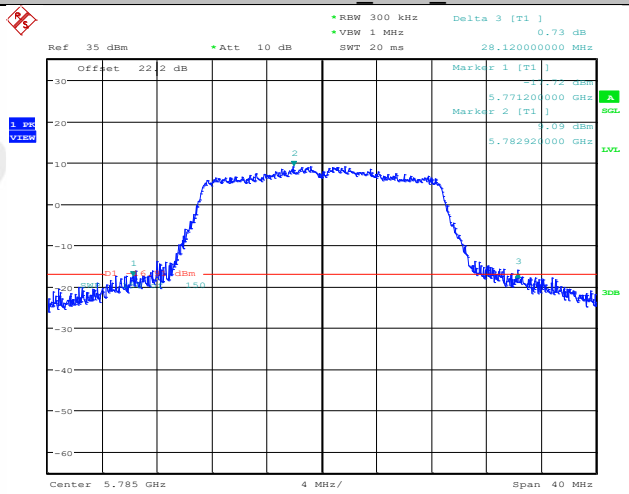
Date: 12.FEB.2022 19:58:27

11N20SISO_Ant1_5745



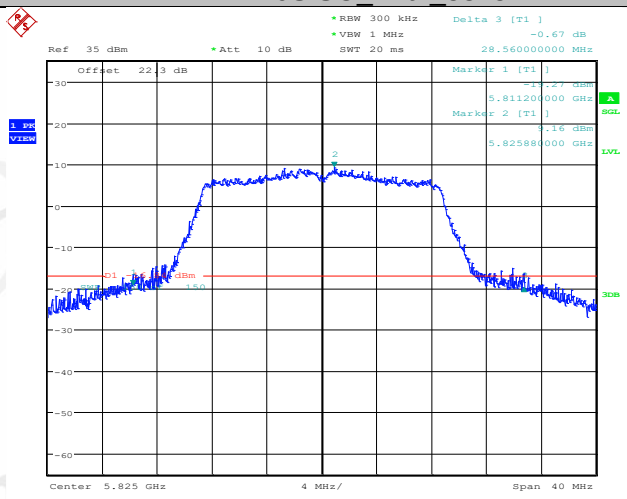
Date: 12.FEB.2022 20:04:45

11N20SISO_Ant1_5785



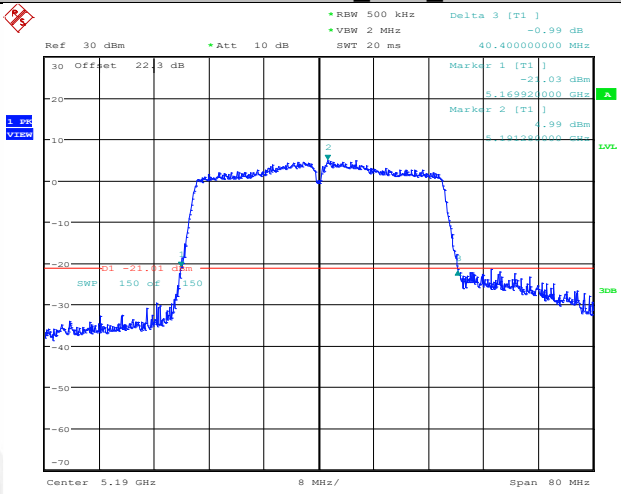
Date: 12.FEB.2022 20:10:24

11N20SISO_Ant1_5825



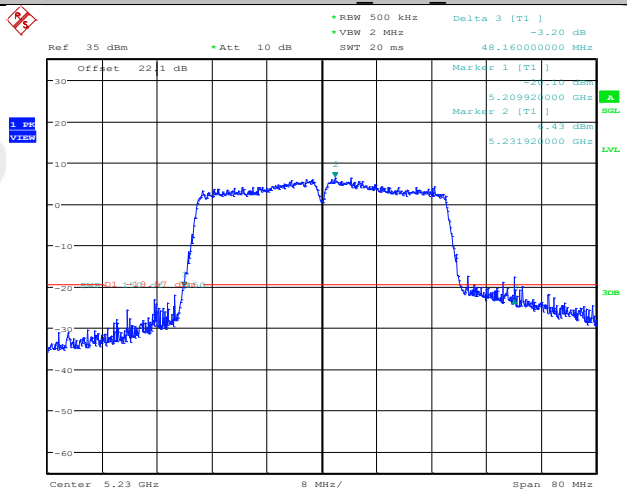
Date: 12.FEB.2022 20:15:53

11N40SISO_Ant1_5190



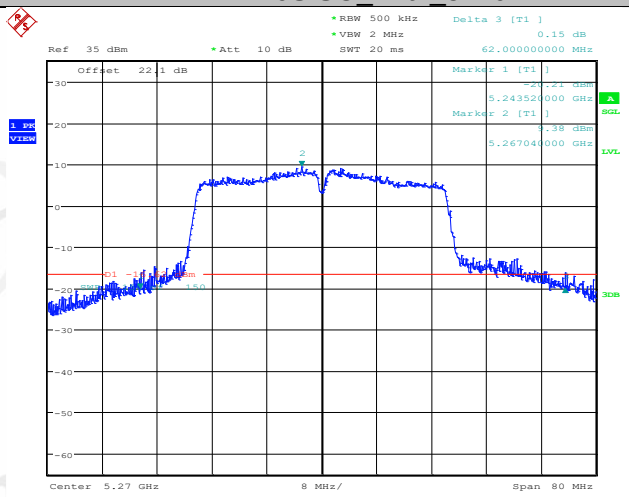
Date: 12.FEB.2022 20:23:55

11N40SISO_Ant1_5230



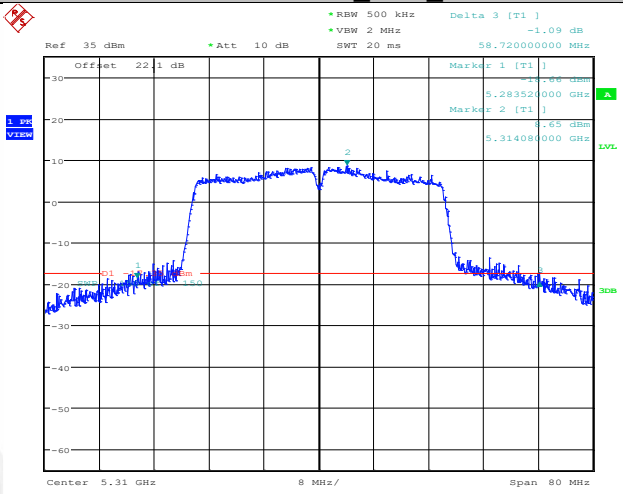
Date: 12.FEB.2022 20:30:40

11N40SISO_Ant1_5270



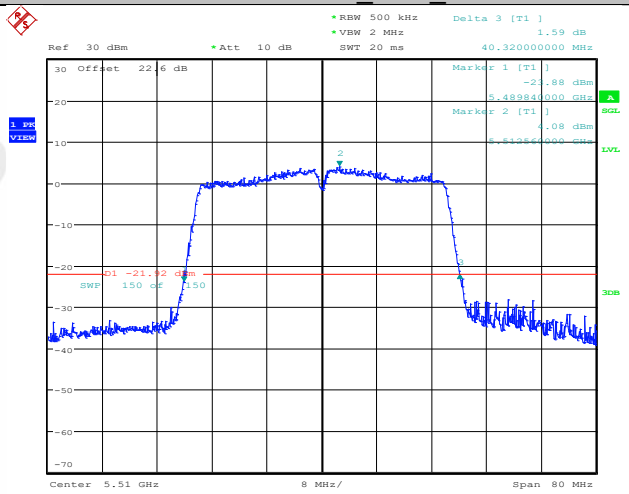
Date: 15.FEB.2022 18:21:09

11N40SISO_Ant1_5310



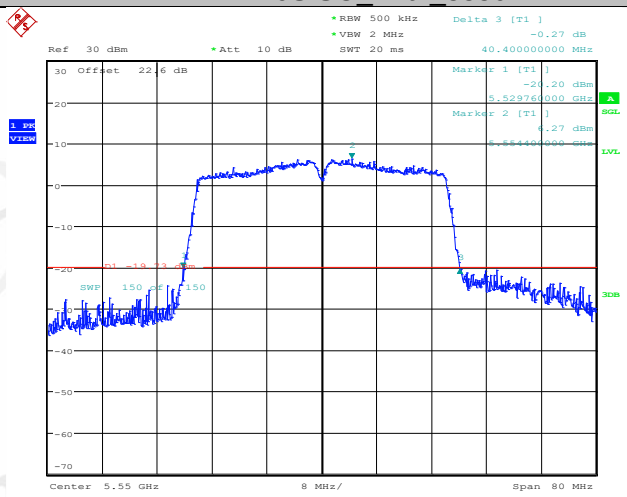
Date: 15.FEB.2022 18:26:47

11N40SISO_Ant1_5510



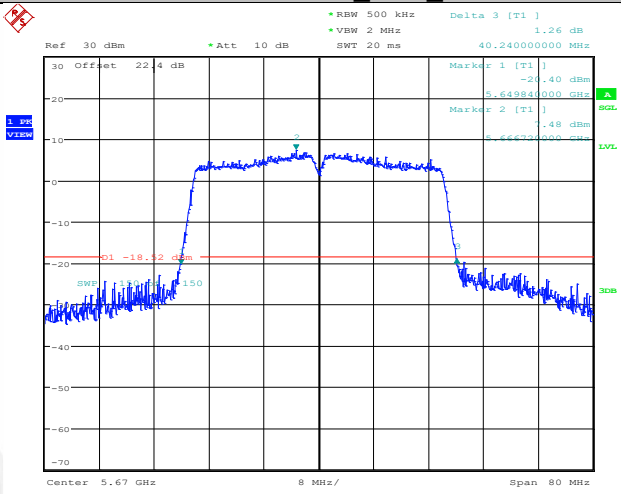
Date: 19.FEB.2022 14:56:49

11N40SISO_Ant1_5550



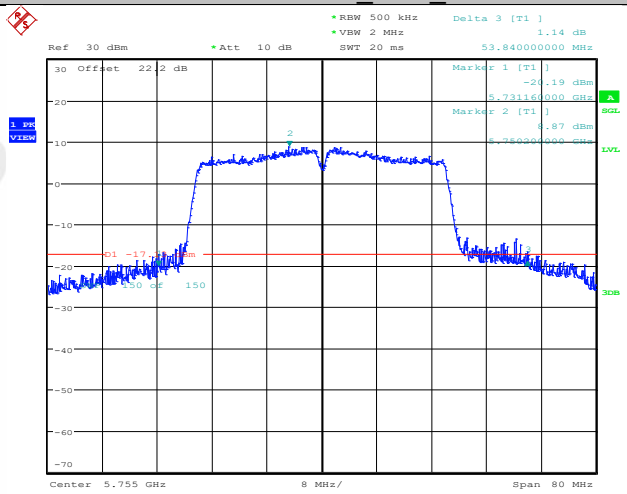
Date: 19.FEB.2022 15:02:18

11N40SISO_Ant1_5670



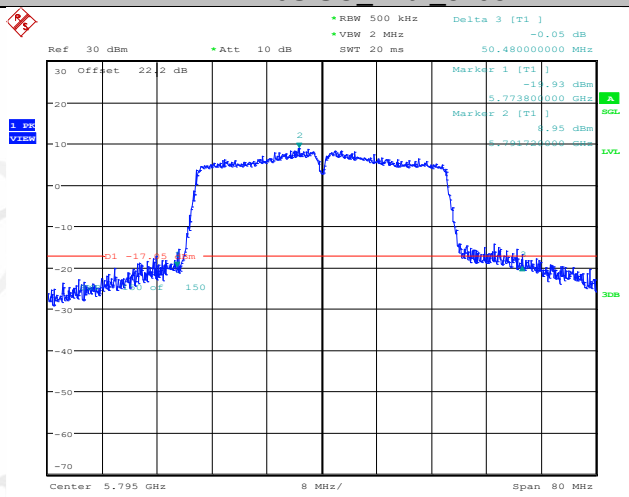
Date: 19.FEB.2022 15:07:38

11N40SISO_Ant1_5755



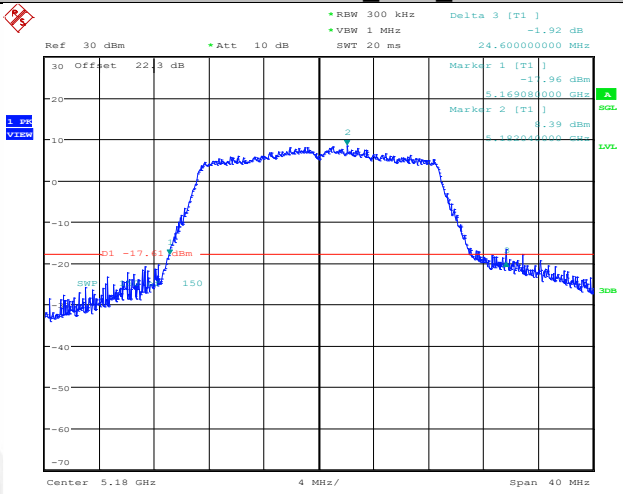
Date: 19.FEB.2022 15:12:49

11N40SISO_Ant1_5795



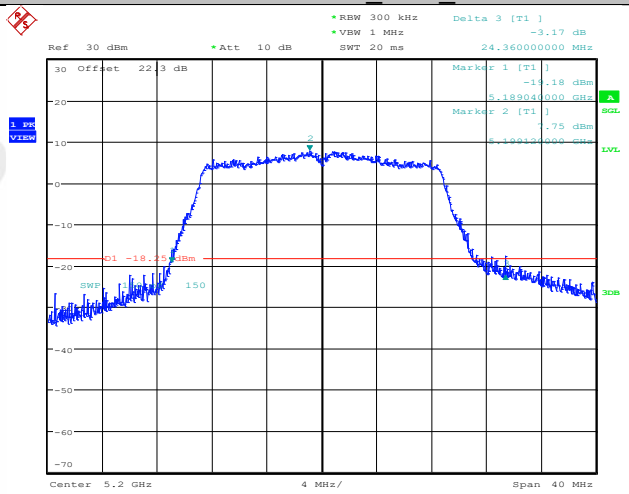
Date: 19.FEB.2022 15:19:43

11AC20SISO_Ant1_5180



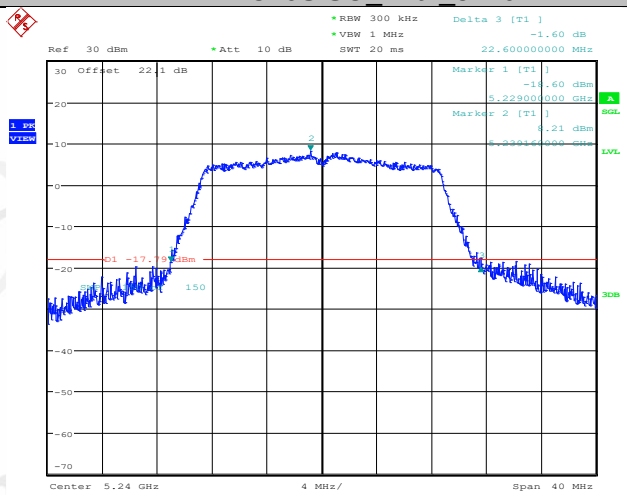
Date: 19.FEB.2022 15:25:16

11AC20SISO_Ant1_5200



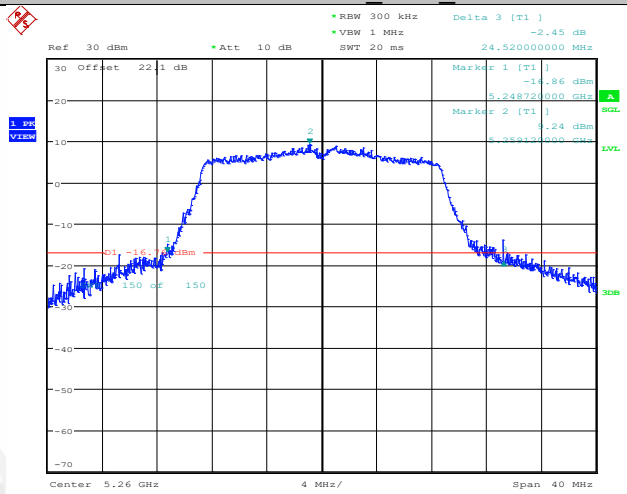
Date: 19.FEB.2022 15:30:41

11AC20SISO_Ant1_5240



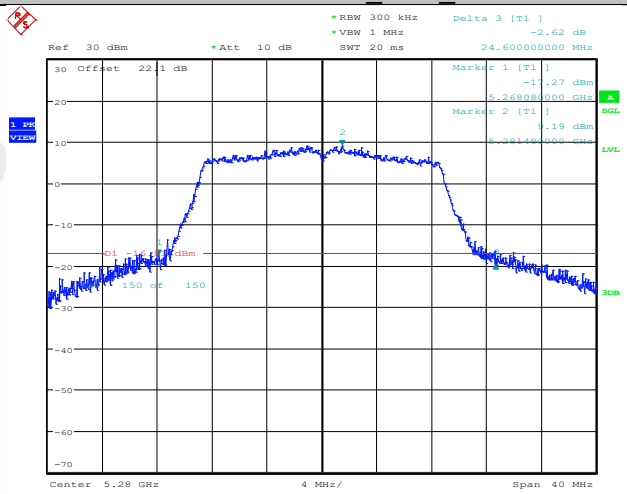
Date: 19.FEB.2022 15:35:57

11AC20SISO_Ant1_5260



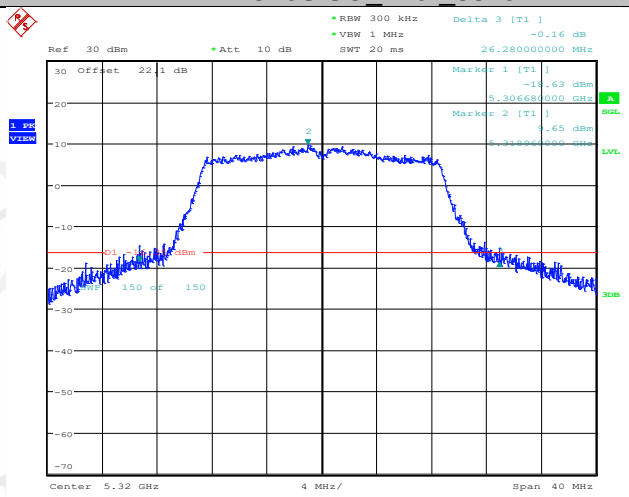
Date: 19.FEB.2022 15:42:22

11AC20SISO_Ant1_5280



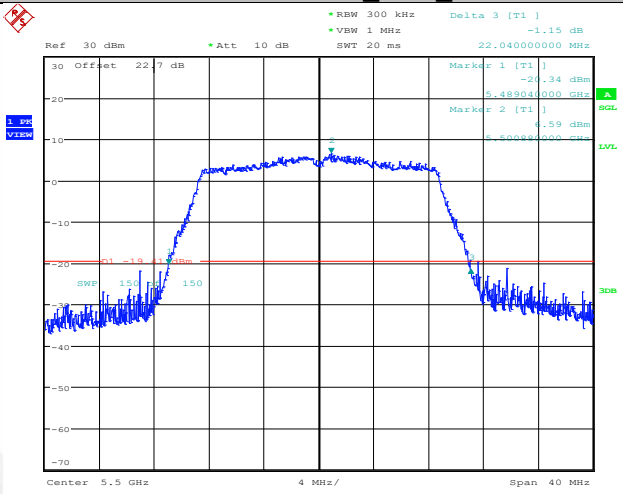
Date: 19.FEB.2022 15:47:26

11AC20SISO_Ant1_5320



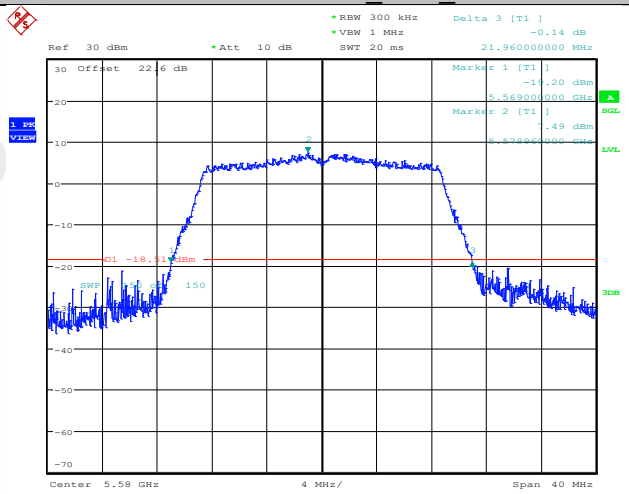
Date: 19.FEB.2022 15:54:43

11AC20SISO_Ant1_5500



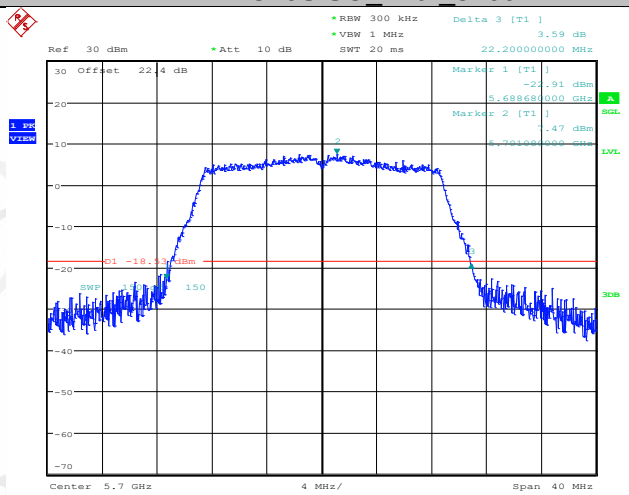
Date: 19.FEB.2022 15:59:43

11AC20SISO_Ant1_5580



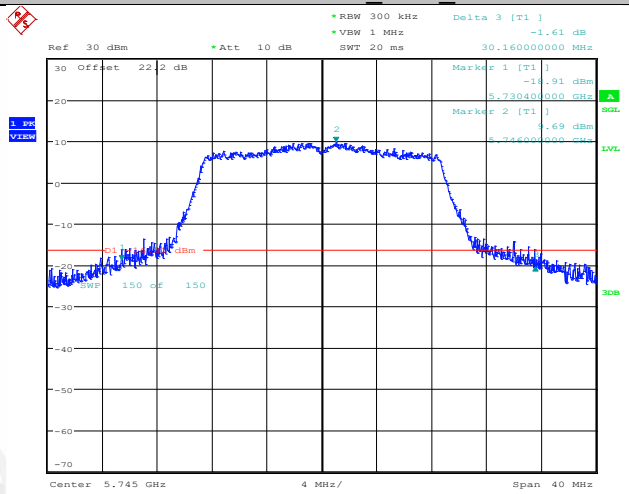
Date: 19.FEB.2022 16:04:46

11AC20SISO_Ant1_5700



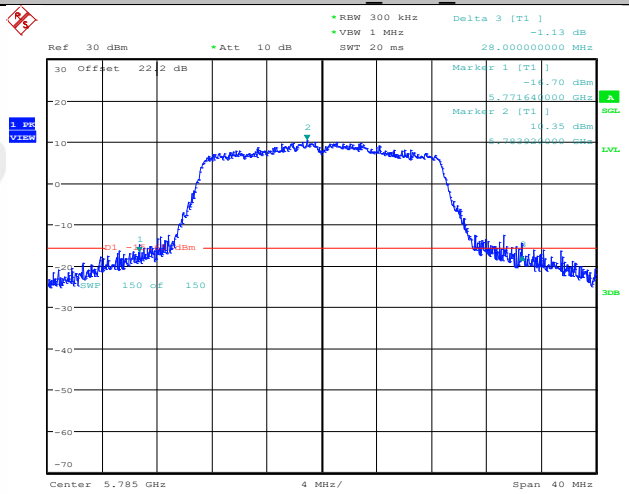
Date: 19.FEB.2022 16:10:16

11AC20SISO_Ant1_5745



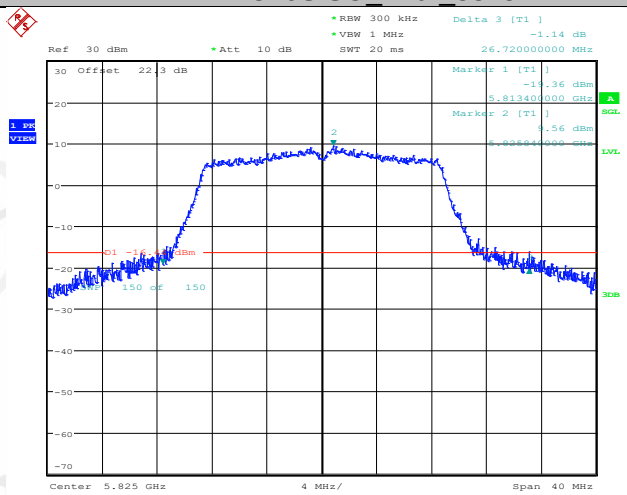
Date: 19.FEB.2022 16:15:51

11AC20SISO_Ant1_5785



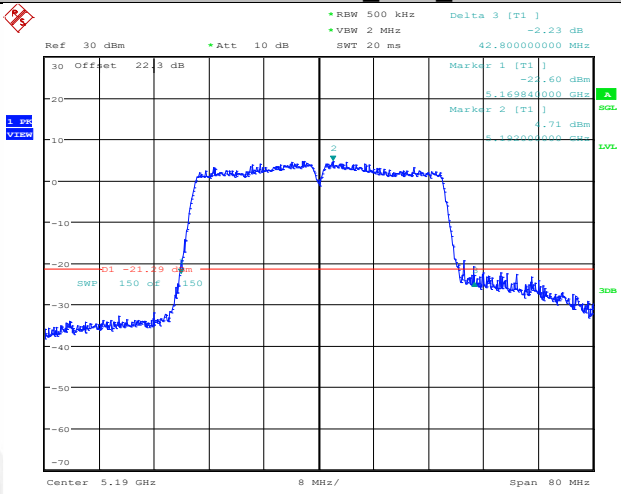
Date: 19.FEB.2022 16:21:26

11AC20SISO_Ant1_5825



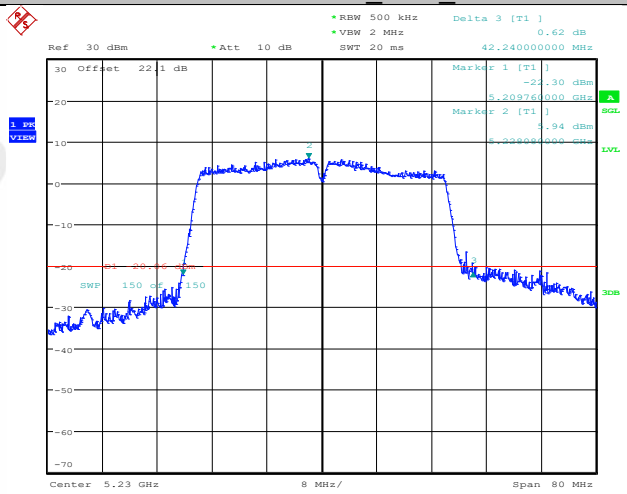
Date: 19.FEB.2022 16:27:08

11AC40SISO_Ant1_5190



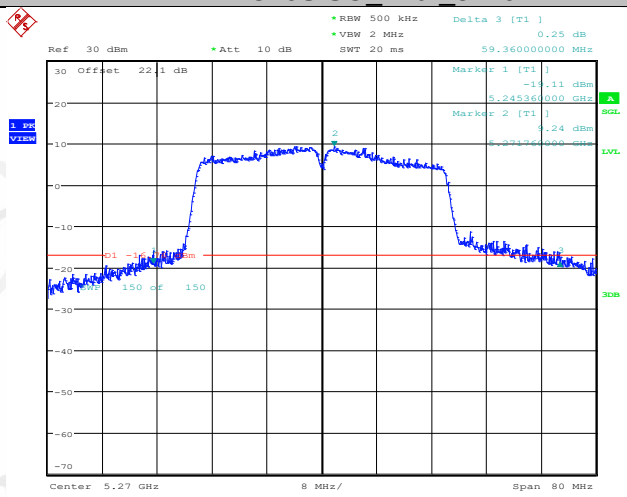
Date: 19.FEB.2022 16:34:05

11AC40SISO_Ant1_5230



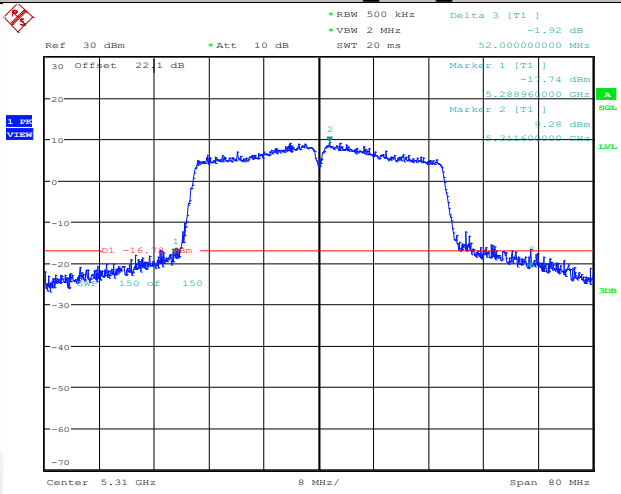
Date: 19.FEB.2022 16:39:48

11AC40SISO_Ant1_5270



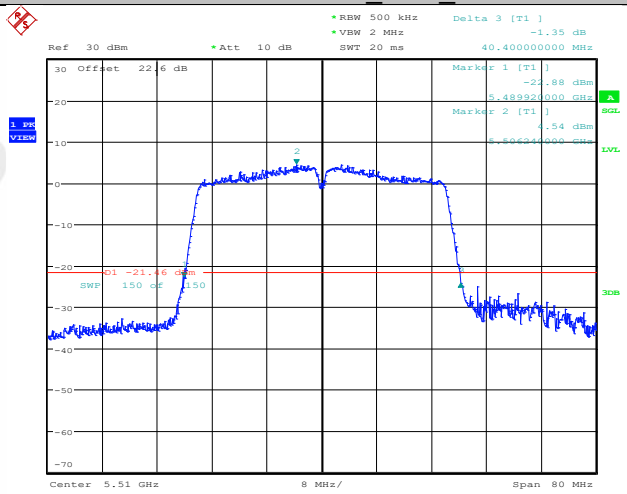
Date: 19.FEB.2022 16:44:51

11AC40SISO_Ant1_5310



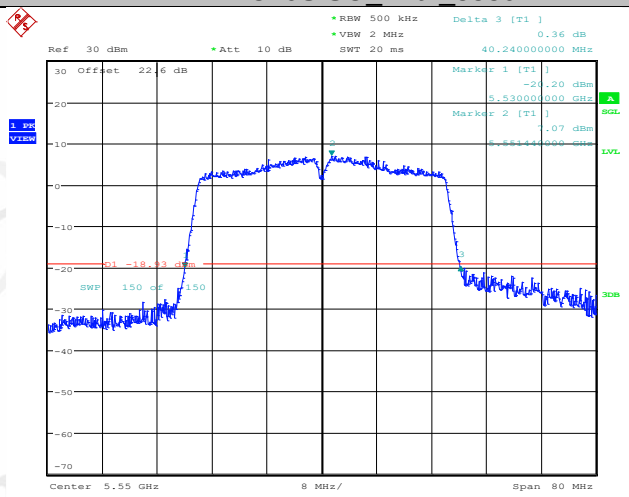
Date: 19.FEB.2022 16:51:01

11AC40SISO_Ant1_5510



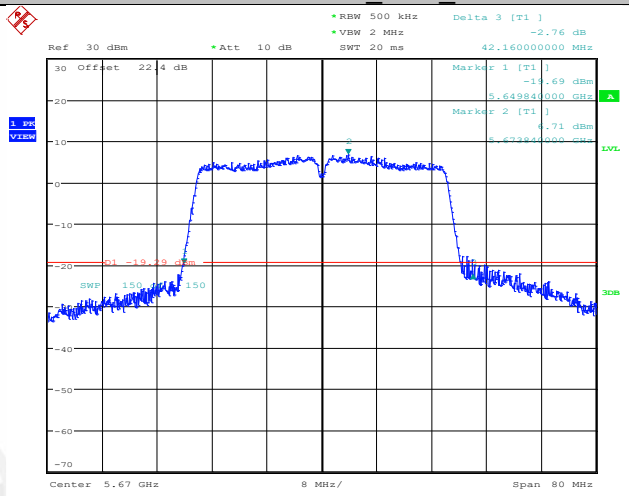
Date: 19.FEB.2022 16:56:12

11AC40SISO_Ant1_5550



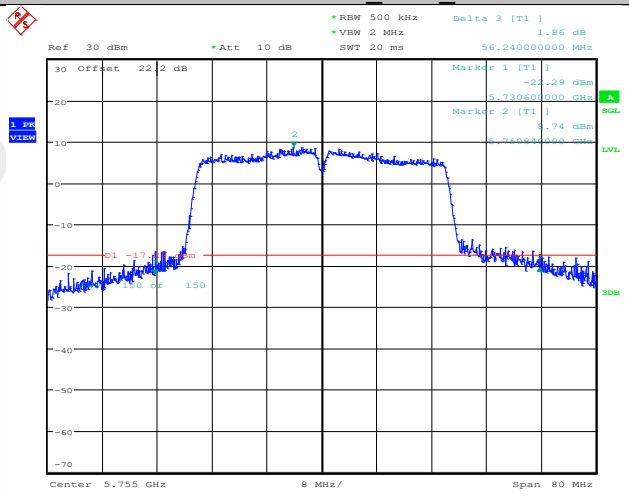
Date: 19.FEB.2022 17:01:23

11AC40SISO_Ant1_5670



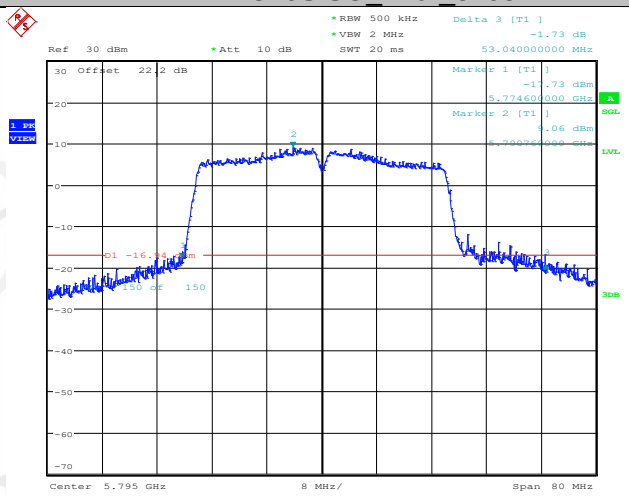
Date: 19.FEB.2022 17:11:21

11AC40SISO_Ant1_5755



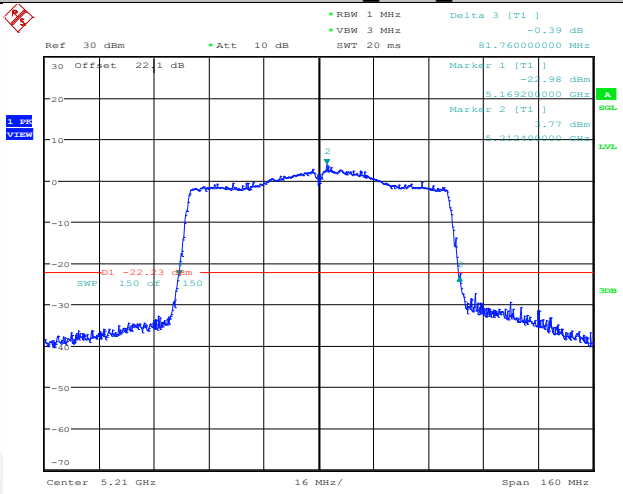
Date: 19.FEB.2022 17:17:09

11AC40SISO_Ant1_5795



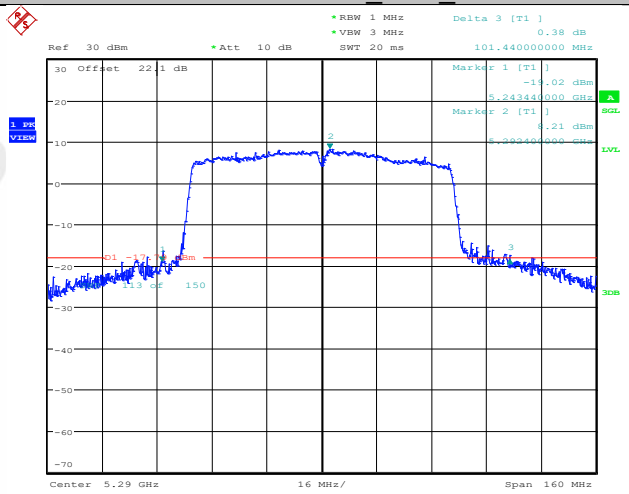
Date: 19.FEB.2022 17:23:29

11AC80SISO_Ant1_5210



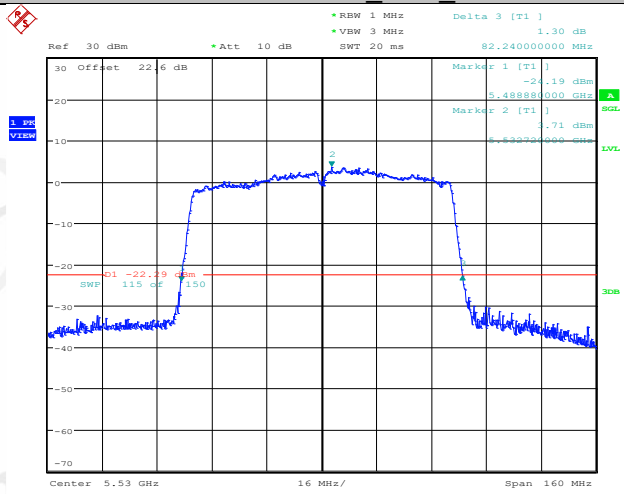
Date: 19.FEB.2022 17:36:18

11AC80SISO_Ant1_5290



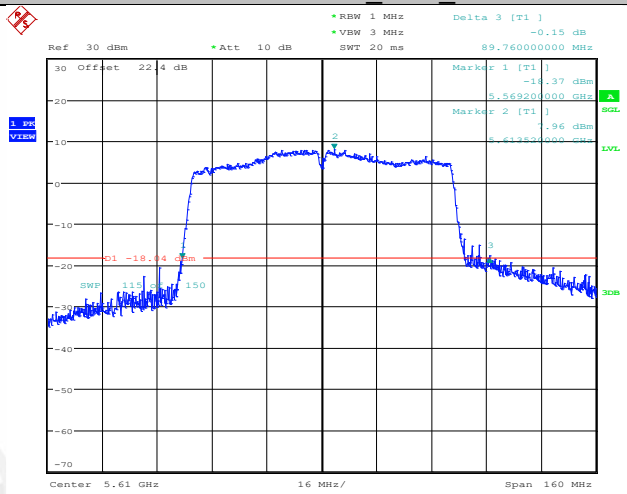
Date: 19.FEB.2022 17:45:31

11AC80SISO_Ant1_5530



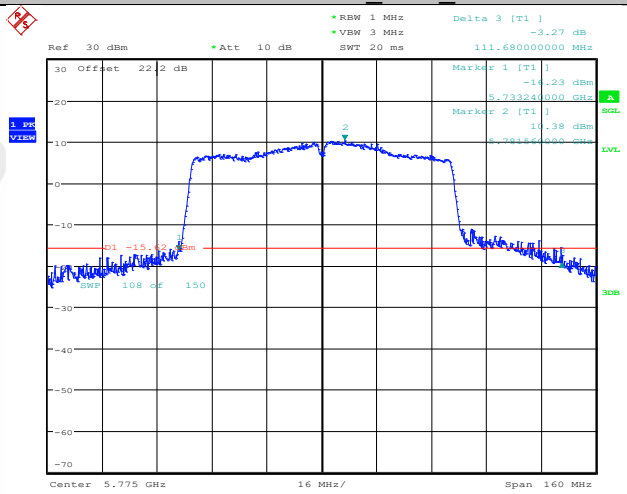
Date: 19.FEB.2022 17:52:12

11AC80SISO_Ant1_5610



Date: 19.FEB.2022 18:06:00

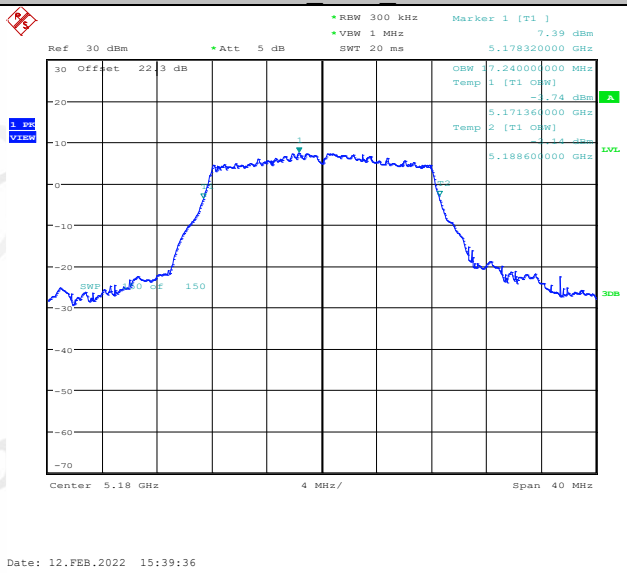
11AC80SISO_Ant1_5775



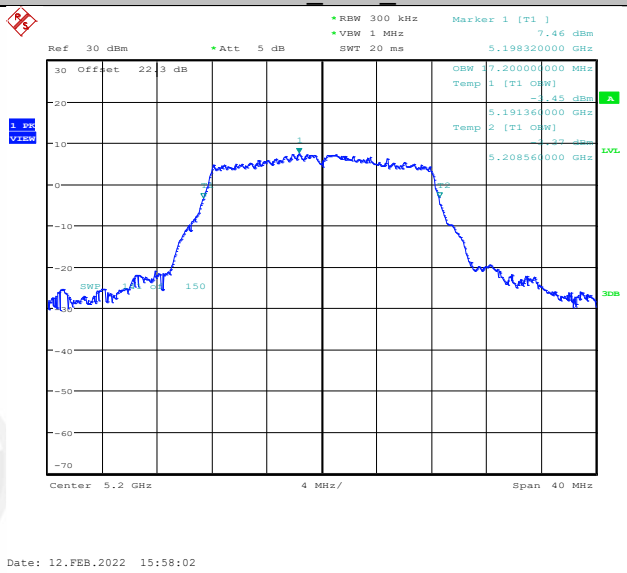
Date: 19.FEB.2022 18:14:02

99% Bandwidth:

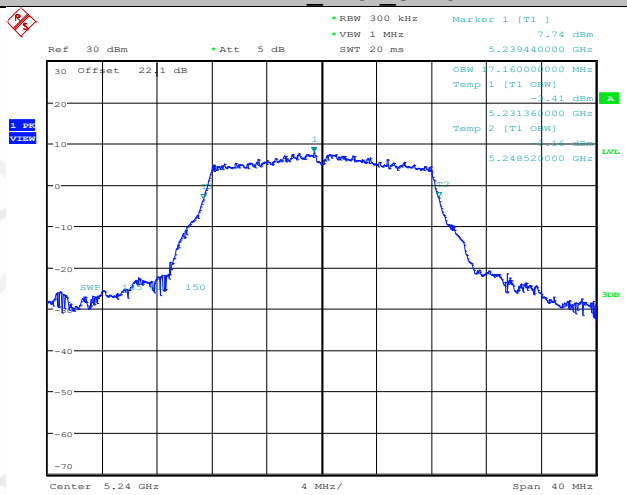
11A_Ant1_5180



11A_Ant1_5200

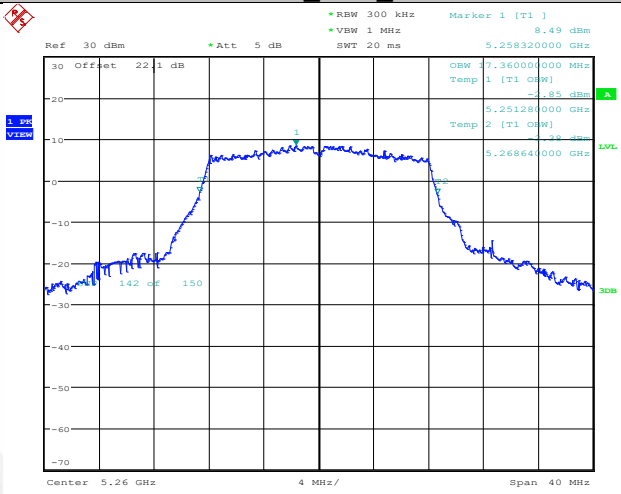


11A_Ant1_5240



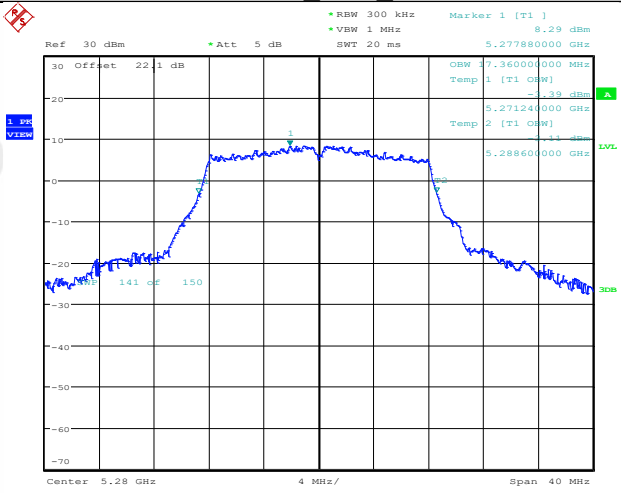
Date: 12.FEB.2022 16:04:51

11A_Ant1_5260



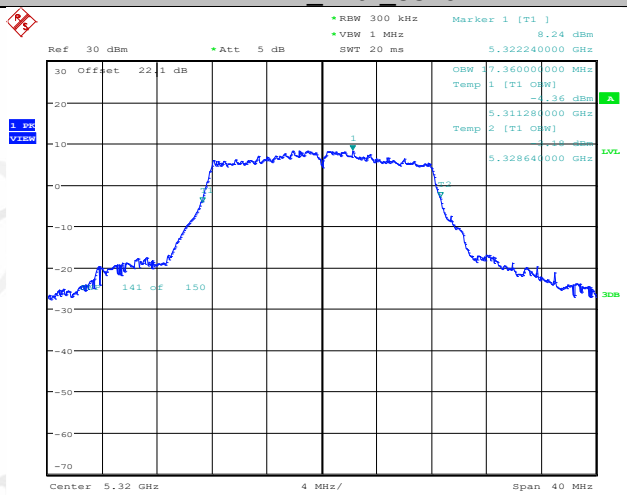
Date: 12.FEB.2022 16:11:40

11A_Ant1_5280



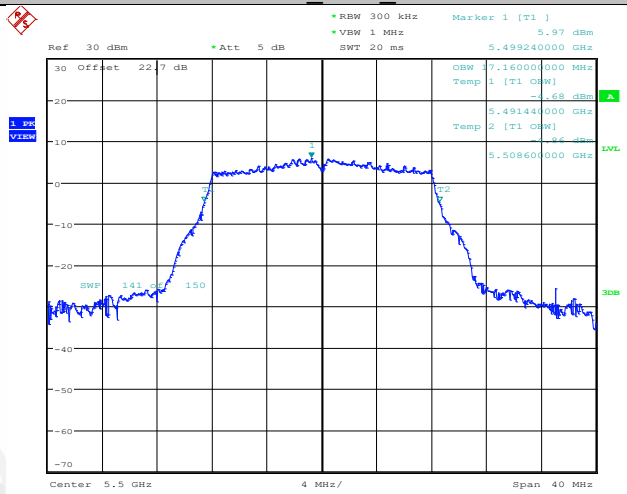
Date: 12.FEB.2022 16:19:45

11A_Ant1_5320



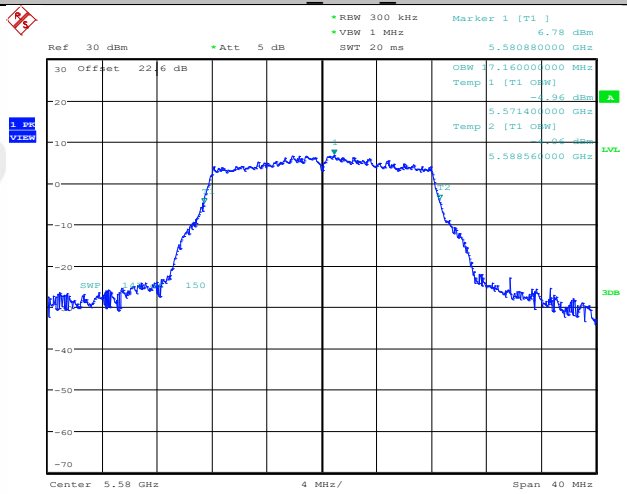
Date: 12.FEB.2022 18:21:02

11A_Ant1_5500



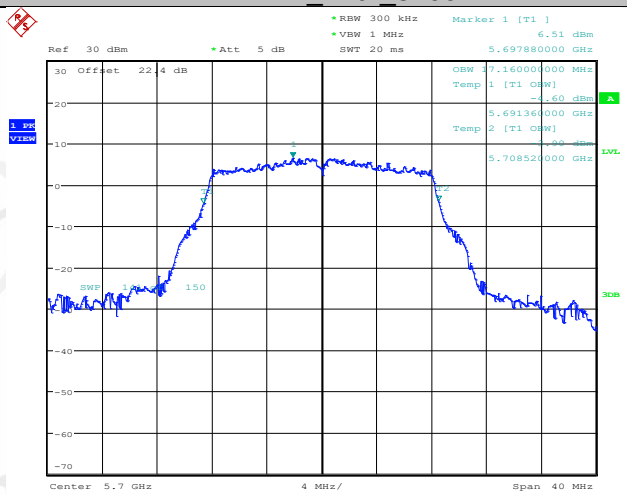
Date: 12.FEB.2022 18:33:09

11A_Ant1_5580

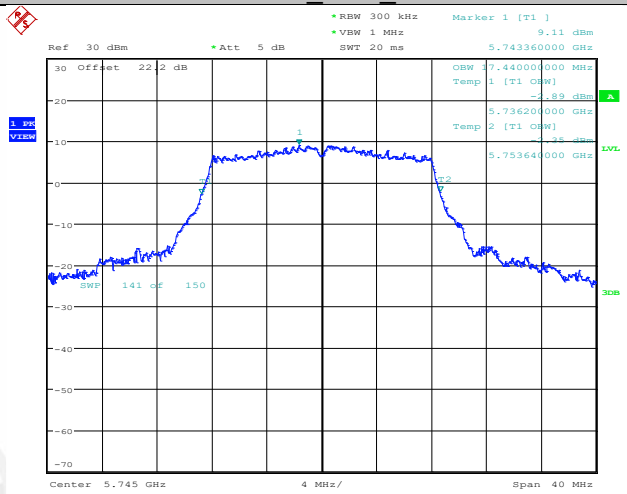


Date: 12.FEB.2022 18:39:21

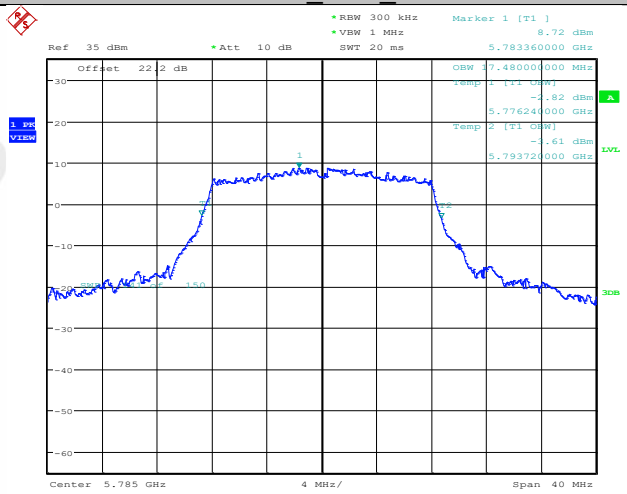
11A_Ant1_5700



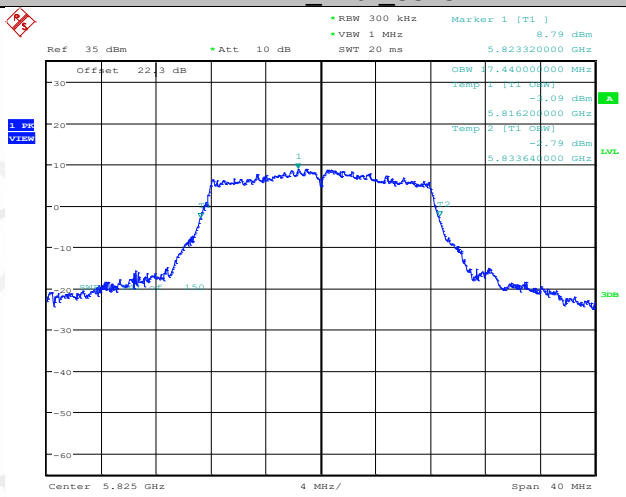
11A_Ant1_5745



11A_Ant1_5785

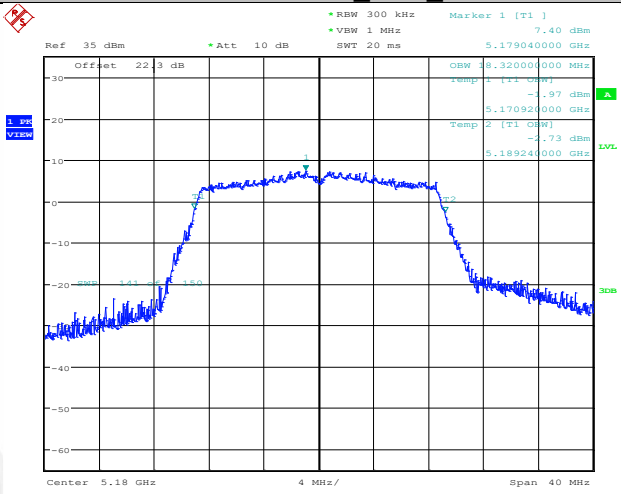


11A_Ant1_5825



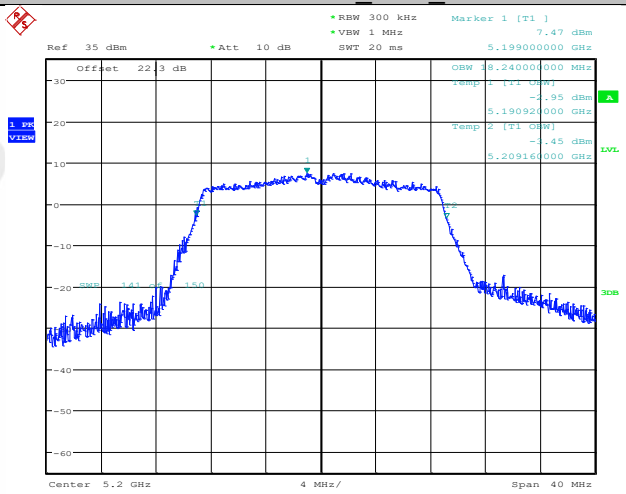
Date: 12.FEB.2022 19:06:50

11N20SISO_Ant1_5180



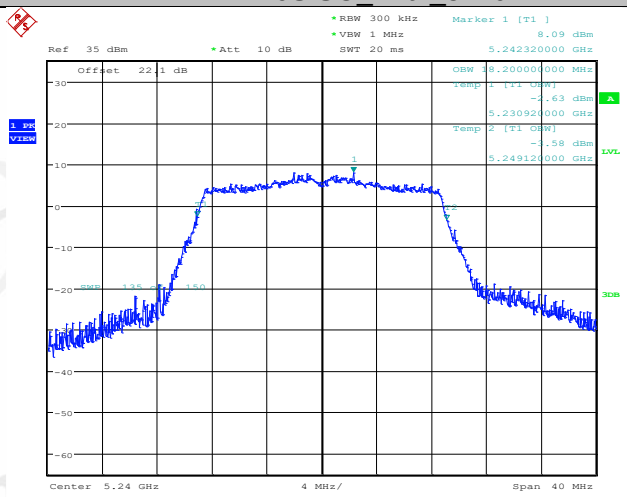
Date: 12.FEB.2022 19:12:18

11N20SISO_Ant1_5200



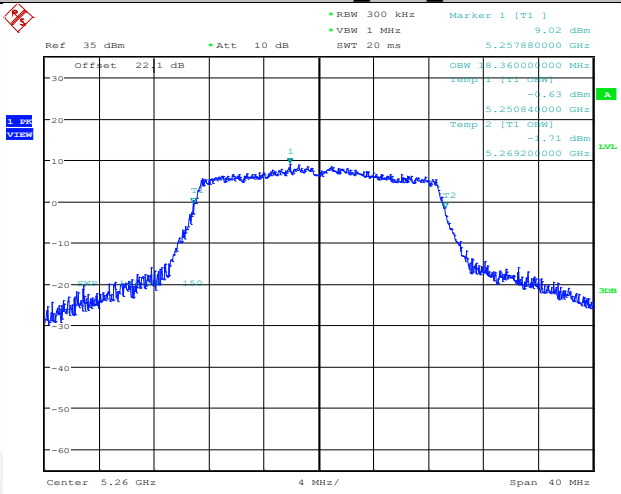
Date: 12.FEB.2022 19:17:31

11N20SISO_Ant1_5240



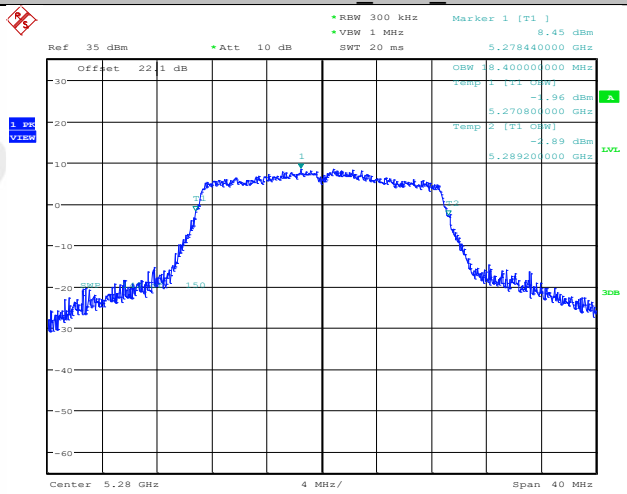
Date: 12.FEB.2022 19:24:14

11N20SISO_Ant1_5260



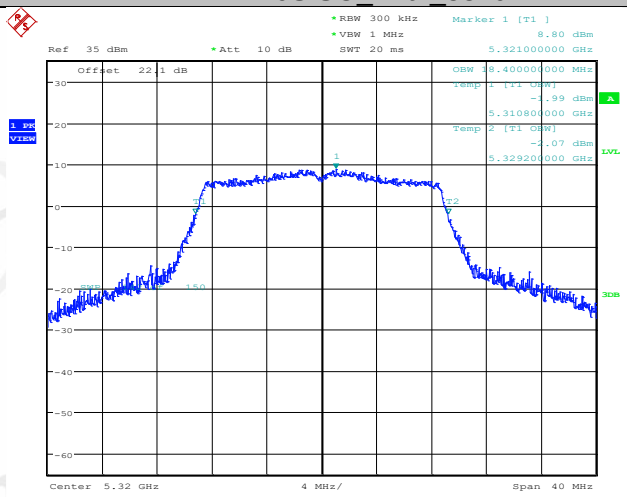
Date: 12.FEB.2022 19:29:17

11N20SISO_Ant1_5280

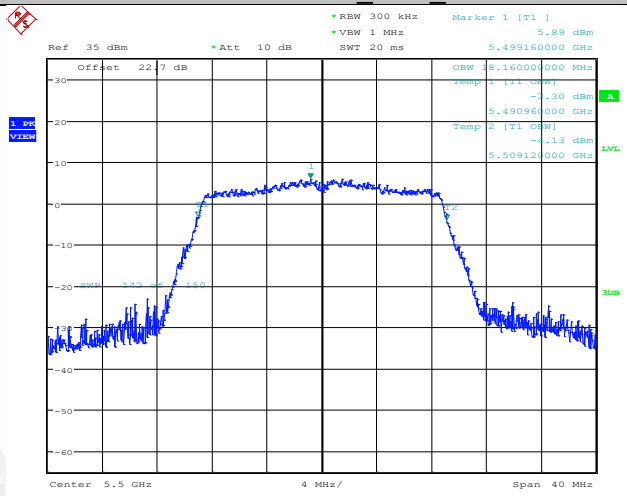


Date: 12.FEB.2022 19:35:53

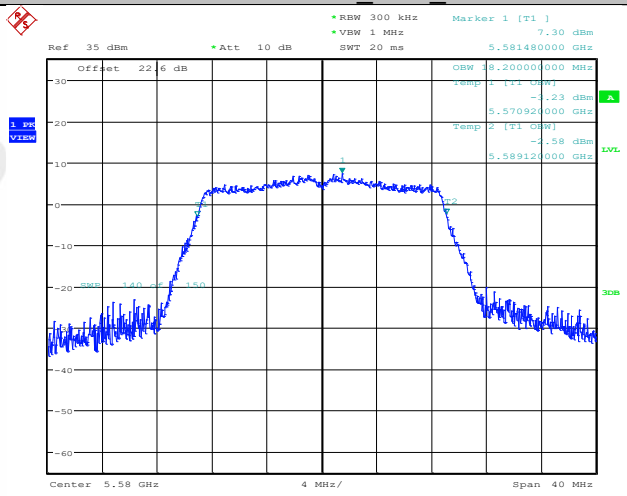
11N20SISO_Ant1_5320



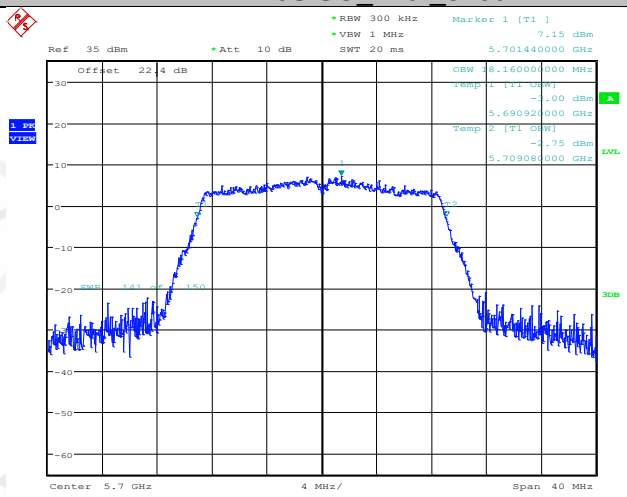
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580

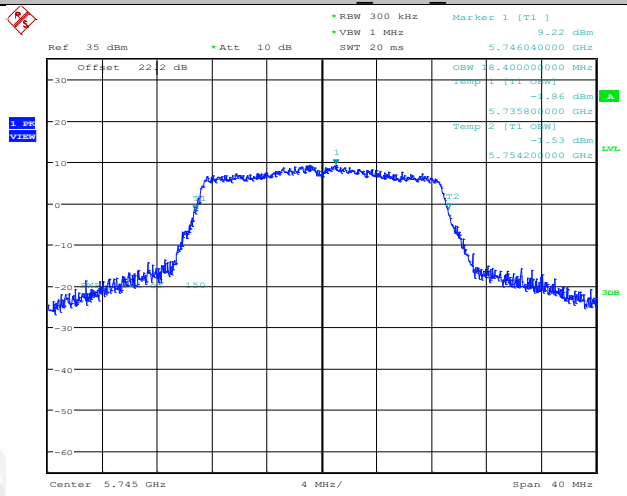


11N20SISO_Ant1_5700



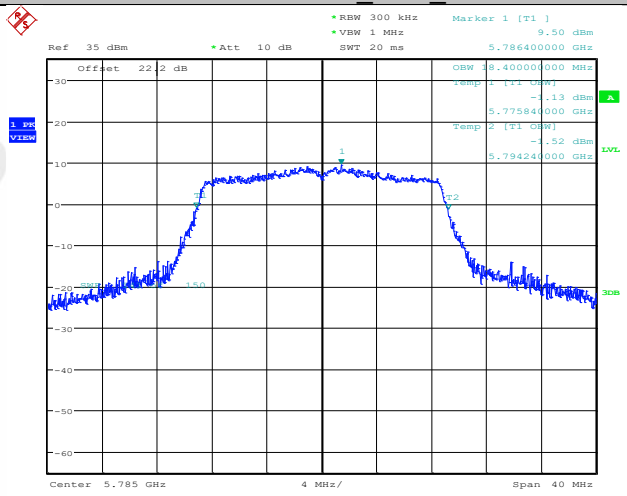
Date: 12.FEB.2022 19:58:46

11N20SISO_Ant1_5745



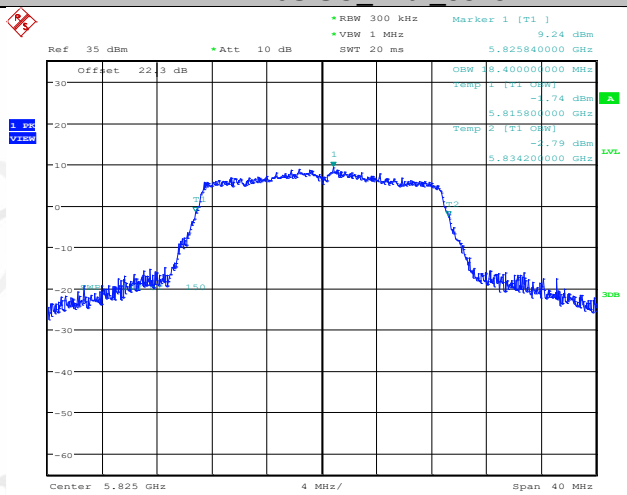
Date: 12.FEB.2022 20:05:26

11N20SISO_Ant1_5785



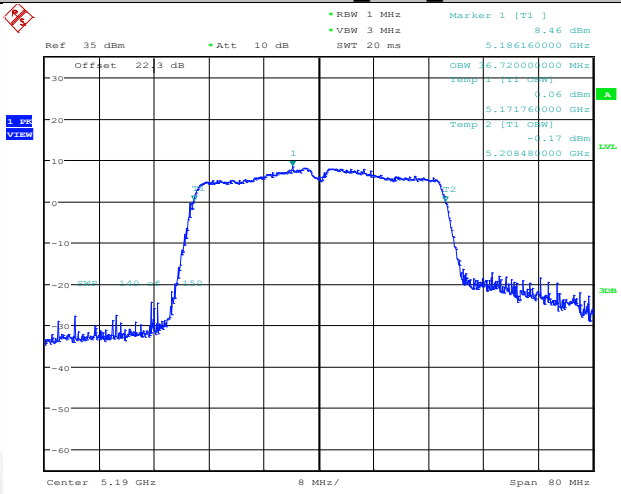
Date: 12.FEB.2022 20:11:05

11N20SISO_Ant1_5825



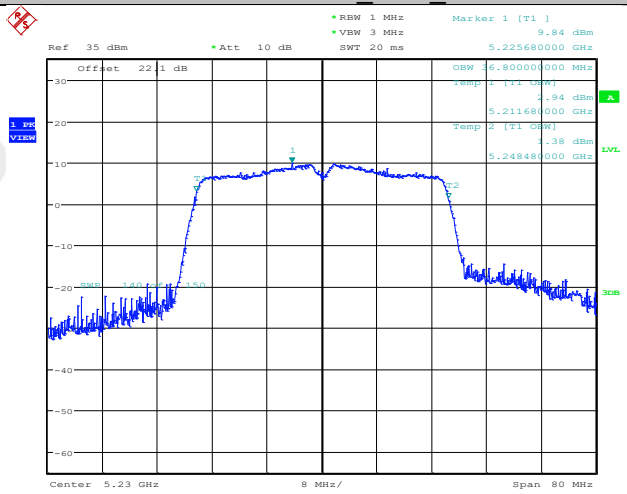
Date: 12.FEB.2022 20:16:34

11N40SISO_Ant1_5190



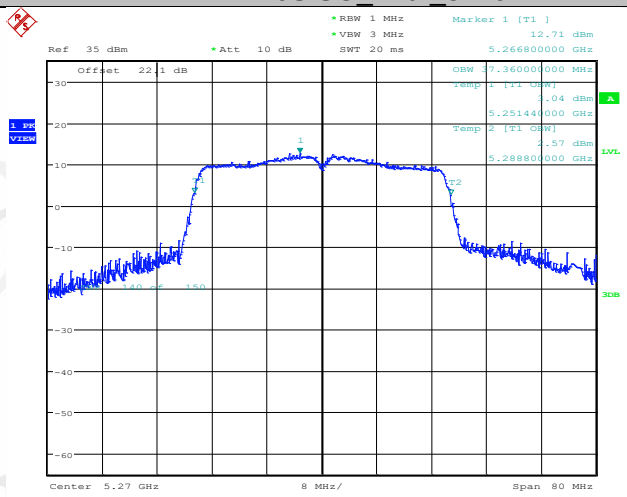
Date: 12.FEB.2022 20:24:15

11N40SISO_Ant1_5230



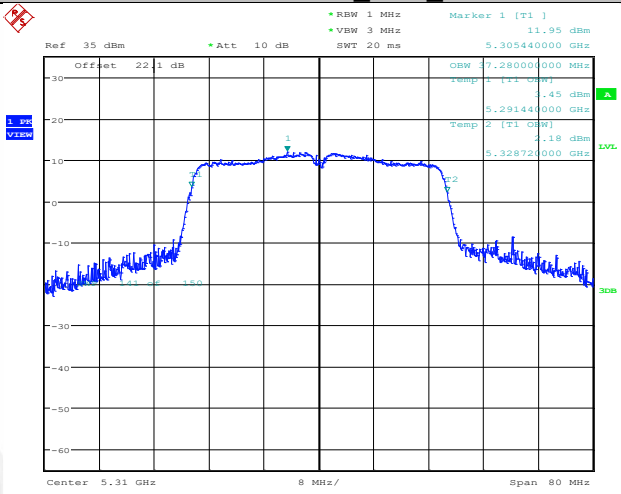
Date: 12.FEB.2022 20:31:00

11N40SISO_Ant1_5270



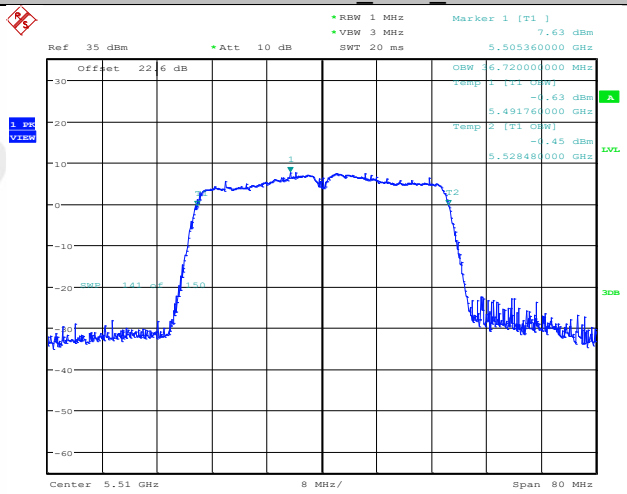
Date: 15.FEB.2022 18:21:28

11N40SISO_Ant1_5310



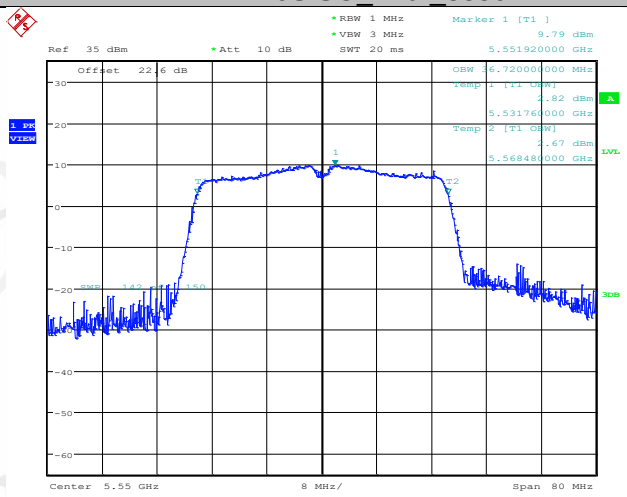
Date: 15.FEB.2022 18:27:06

11N40SISO_Ant1_5510



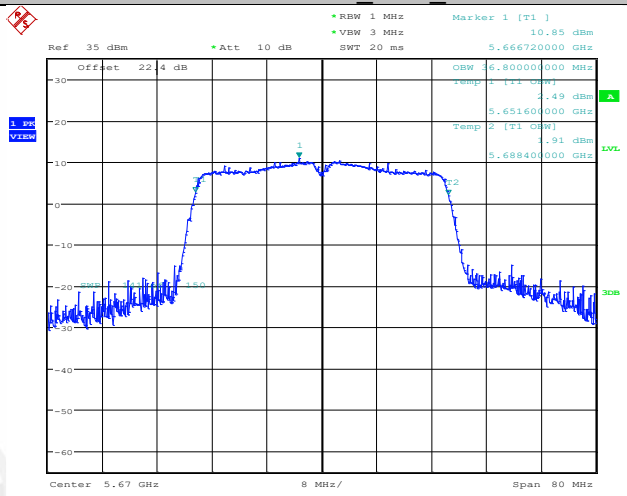
Date: 19.FEB.2022 14:57:09

11N40SISO_Ant1_5550



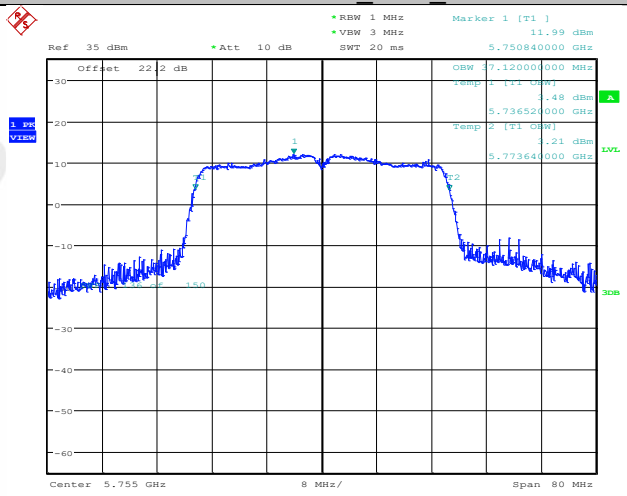
Date: 19.FEB.2022 15:02:39

11N40SISO_Ant1_5670



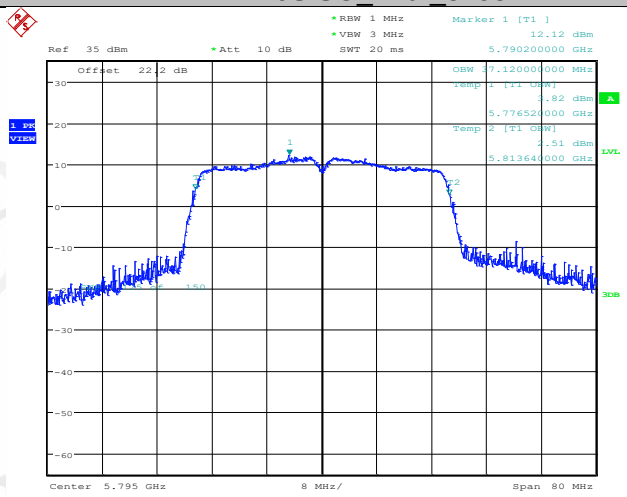
Date: 19.FEB.2022 15:07:57

11N40SISO_Ant1_5755



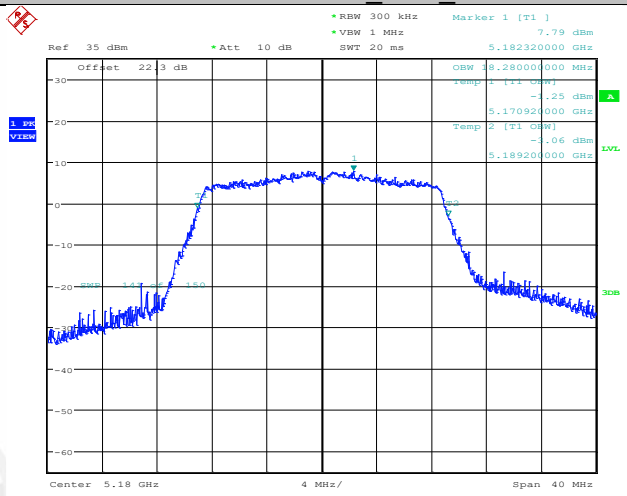
Date: 19.FEB.2022 15:13:30

11N40SISO_Ant1_5795



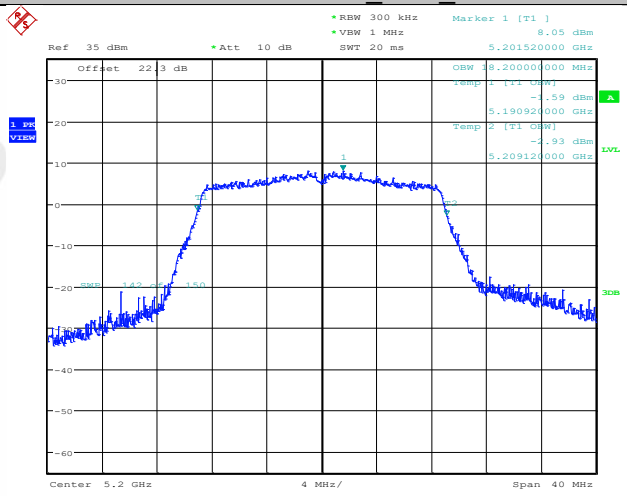
Date: 19.FEB.2022 15:20:24

11AC20SISO_Ant1_5180



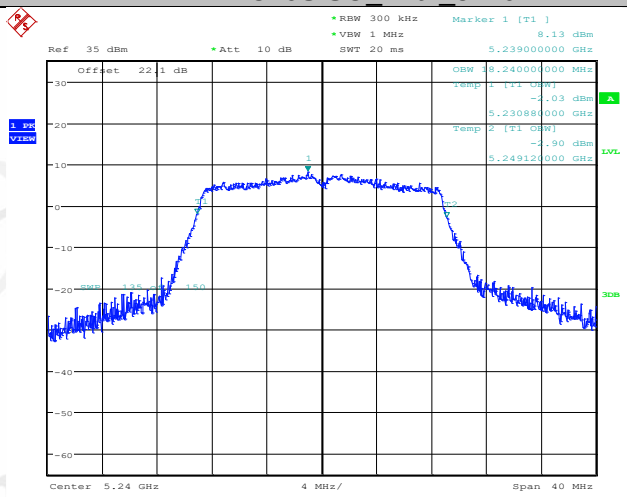
Date: 19.FEB.2022 15:25:36

11AC20SISO_Ant1_5200



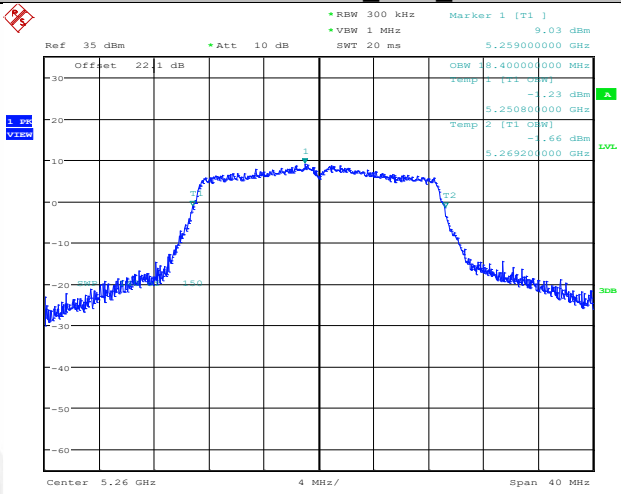
Date: 19.FEB.2022 15:31:00

11AC20SISO_Ant1_5240



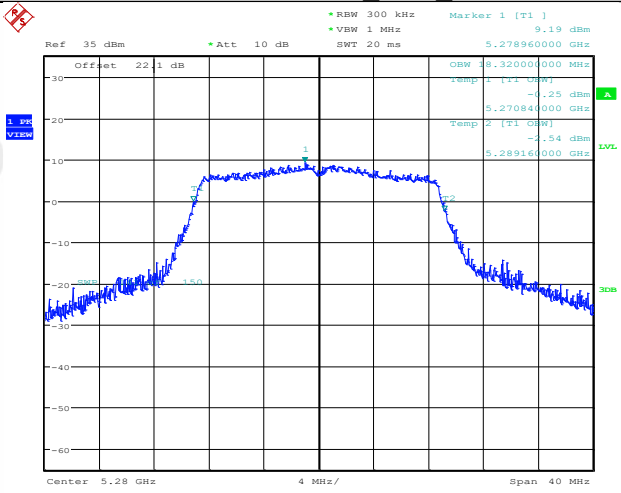
Date: 19.FEB.2022 15:36:17

11AC20SISO_Ant1_5260



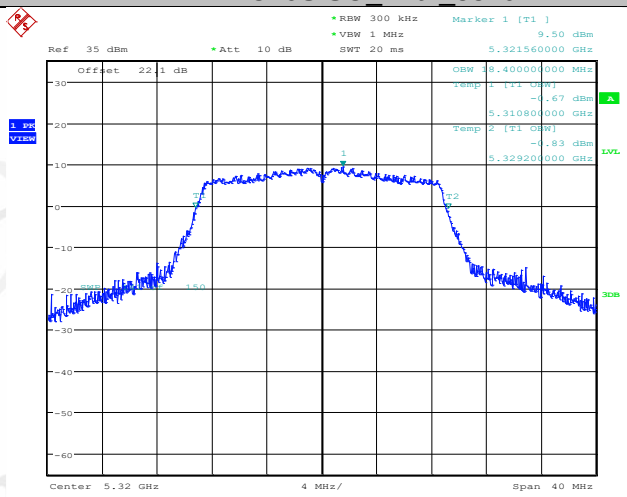
Date: 19.FEB.2022 15:42:42

11AC20SISO_Ant1_5280



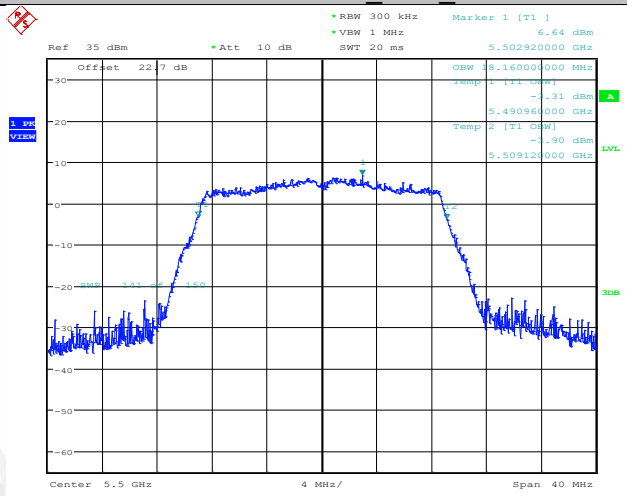
Date: 19.FEB.2022 15:47:46

11AC20SISO_Ant1_5320



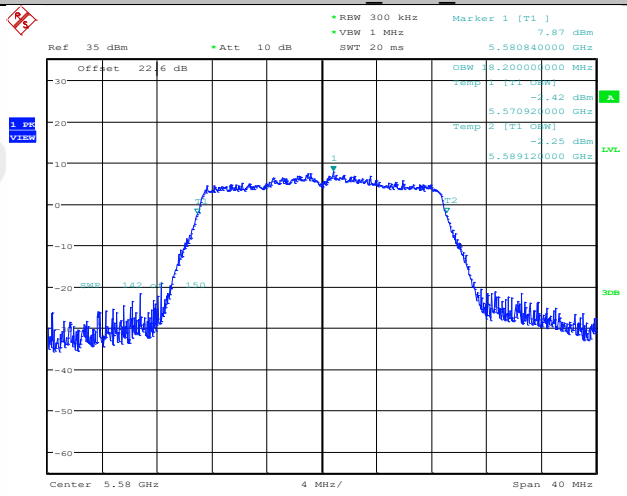
Date: 19.FEB.2022 15:55:02

11AC20SISO_Ant1_5500



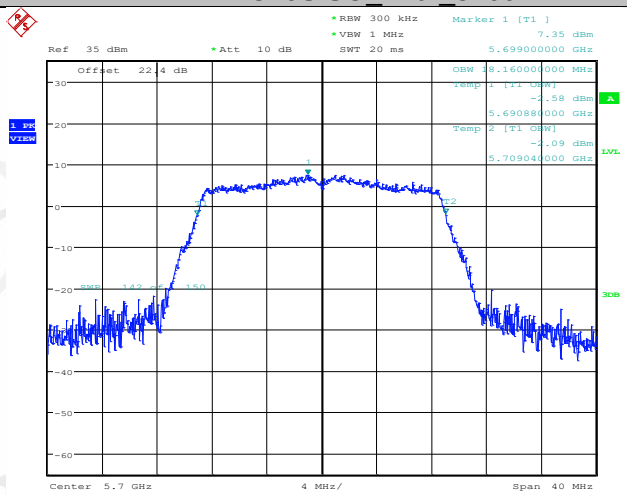
Date: 19.FEB.2022 16:00:02

11AC20SISO_Ant1_5580

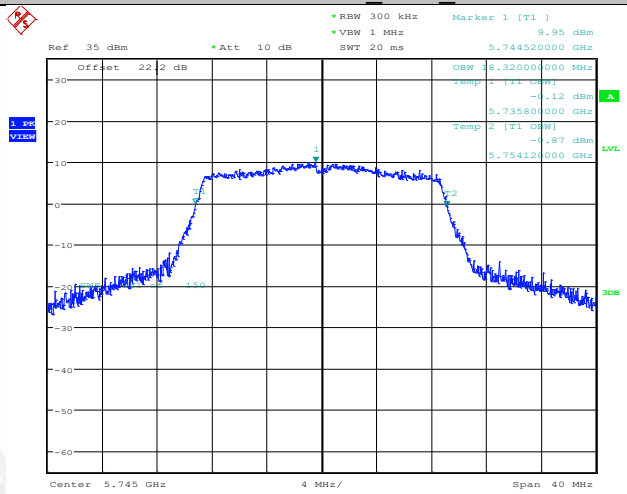


Date: 19.FEB.2022 16:05:05

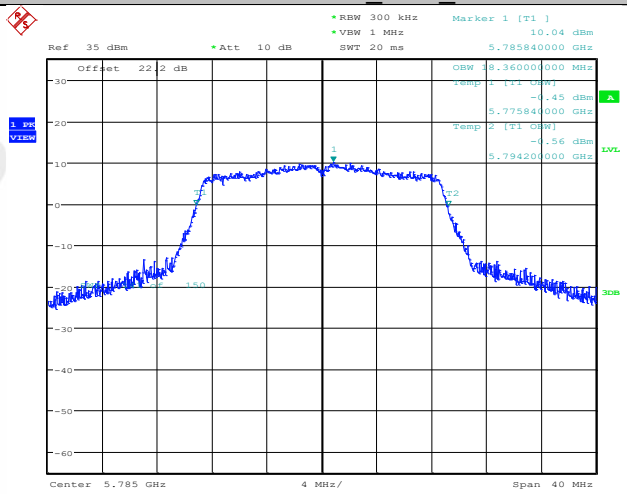
11AC20SISO_Ant1_5700



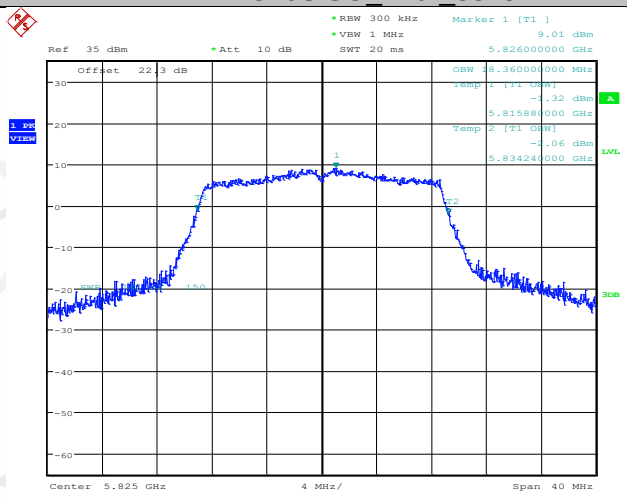
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

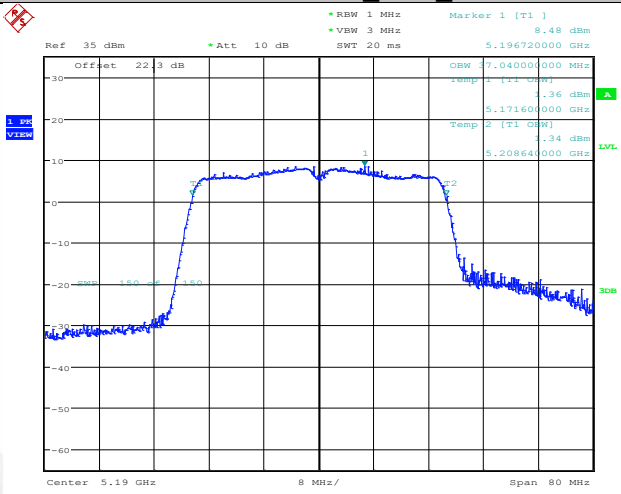


11AC20SISO_Ant1_5825



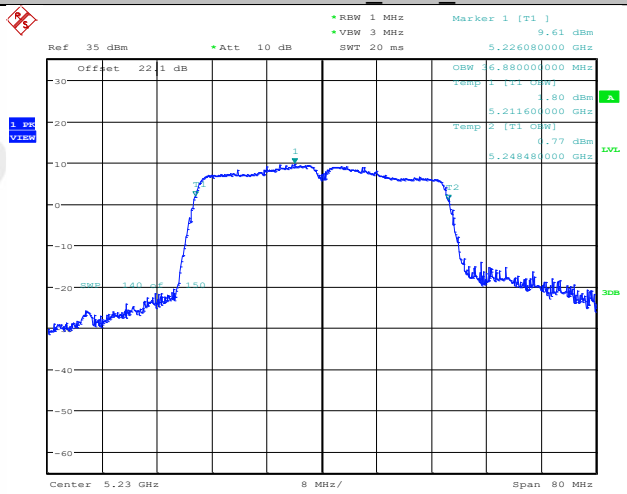
Date: 19.FEB.2022 16:27:49

11AC40SISO_Ant1_5190



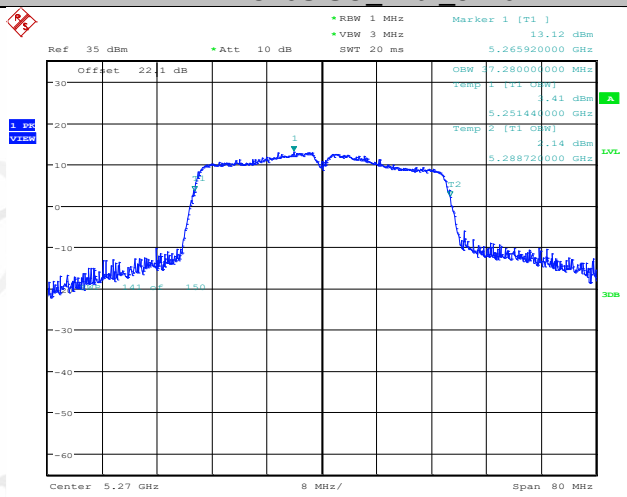
Date: 19.FEB.2022 16:35:04

11AC40SISO_Ant1_5230



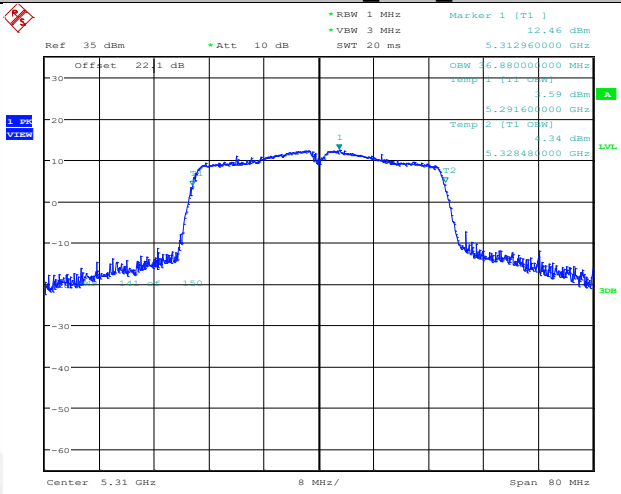
Date: 19.FEB.2022 16:40:08

11AC40SISO_Ant1_5270



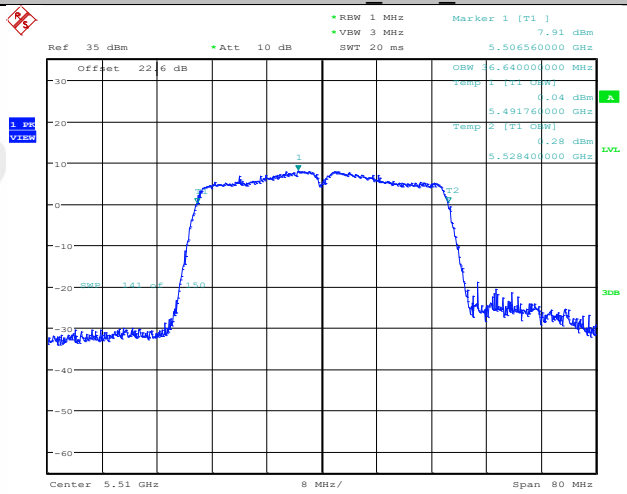
Date: 19.FEB.2022 16:45:10

11AC40SISO_Ant1_5310



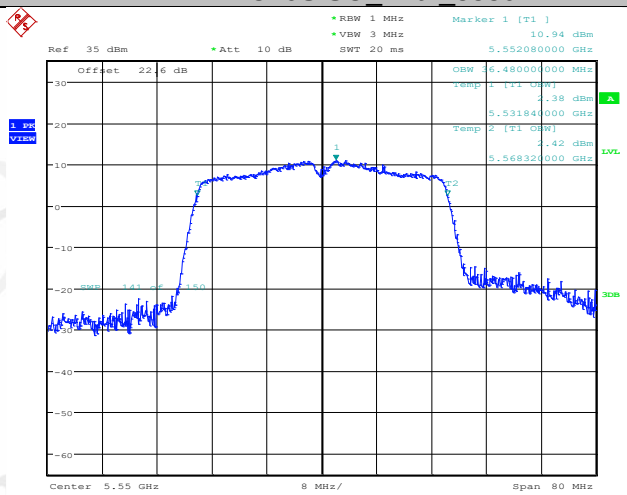
Date: 19.FEB.2022 16:51:20

11AC40SISO_Ant1_5510

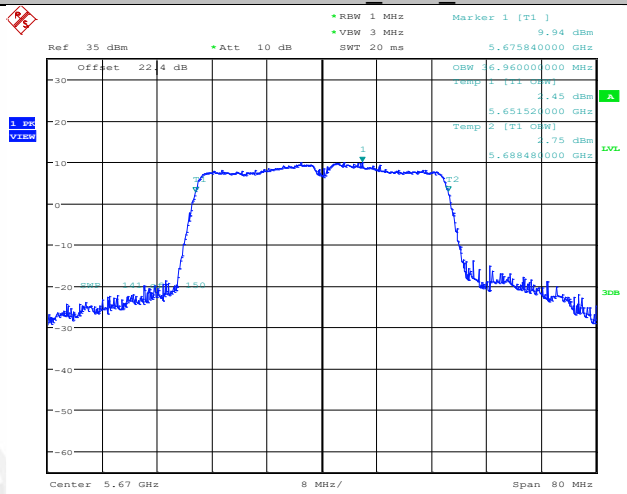


Date: 19.FEB.2022 16:56:31

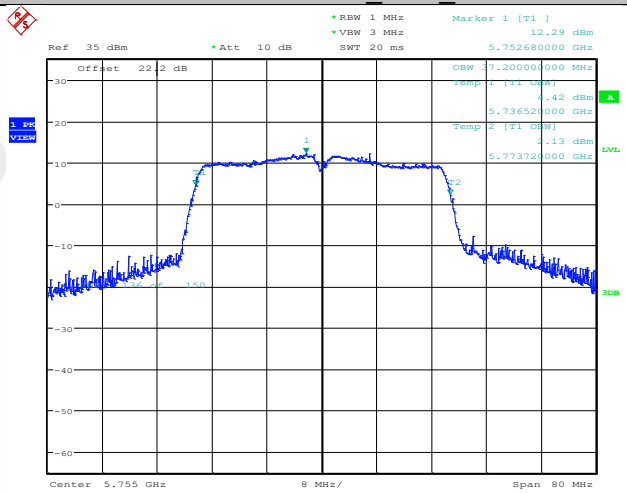
11AC40SISO_Ant1_5550



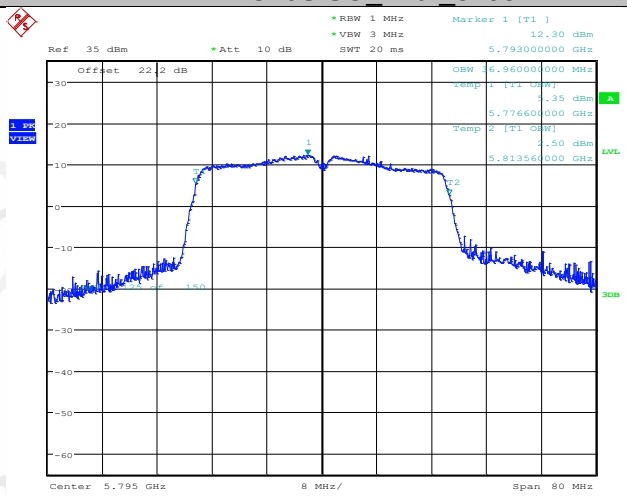
11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755

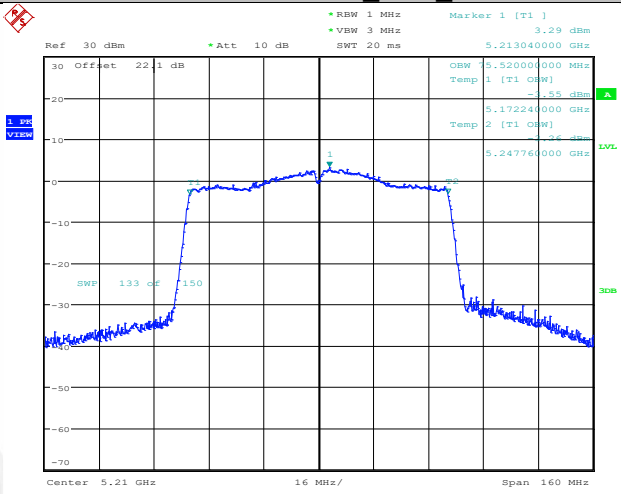


11AC40SISO_Ant1_5795



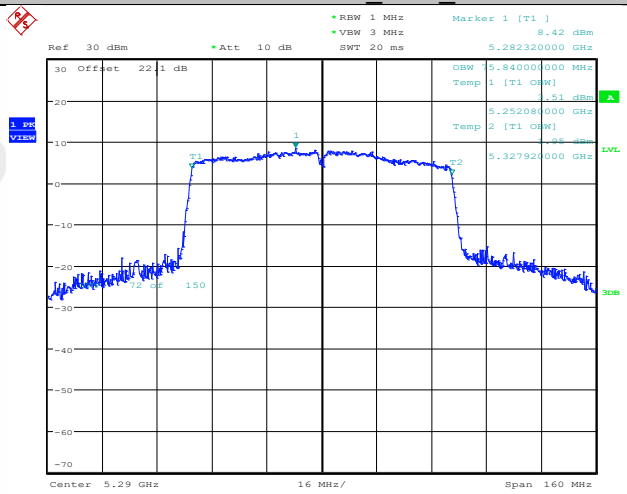
Date: 19.FEB.2022 17:24:10

11AC80SISO_Ant1_5210



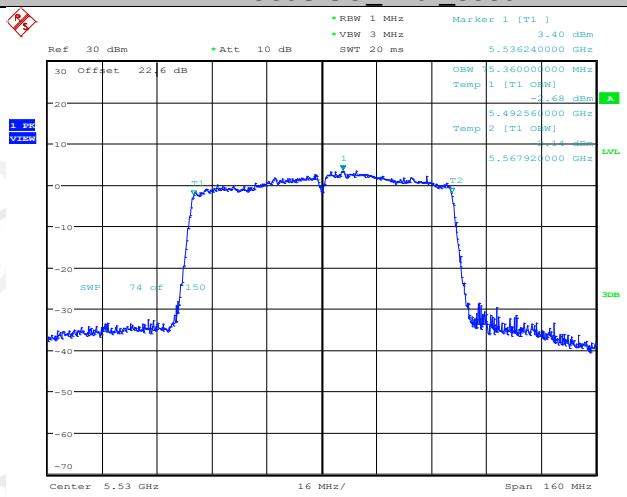
Date: 19.FEB.2022 17:37:00

11AC80SISO_Ant1_5290



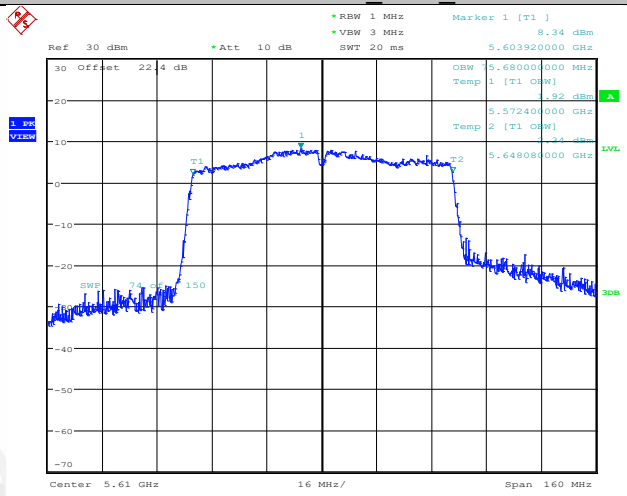
Date: 19.FEB.2022 17:45:51

11AC80SISO_Ant1_5530



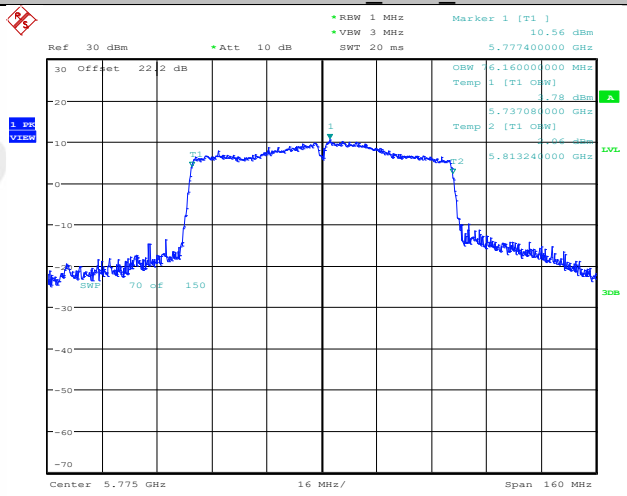
Date: 19.FEB.2022 17:52:32

11AC80SISO_Ant1_5610



Date: 19.FEB.2022 18:06:20

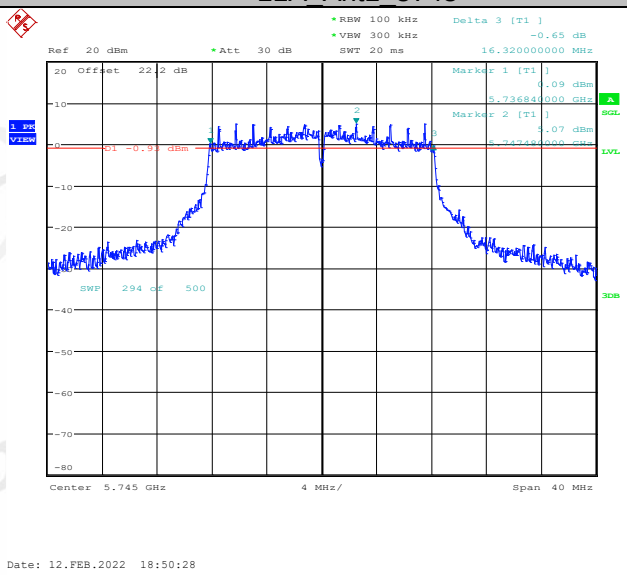
11AC80SISO_Ant1_5775



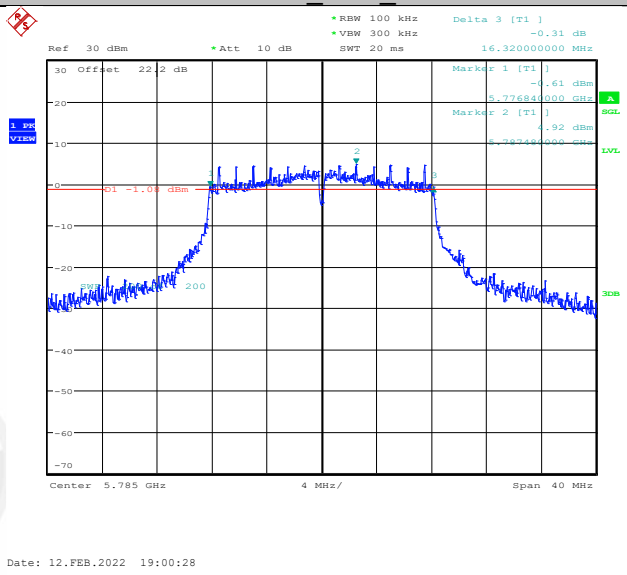
Date: 19.FEB.2022 18:14:43

6 dB Bandwidth:

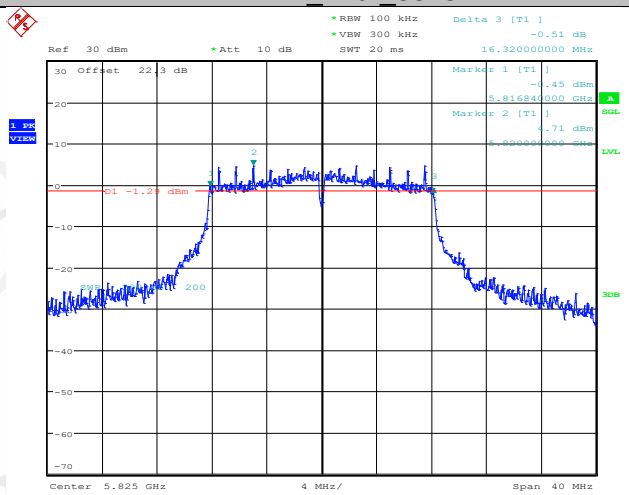
11A_Ant1_5745



11A_Ant1_5785

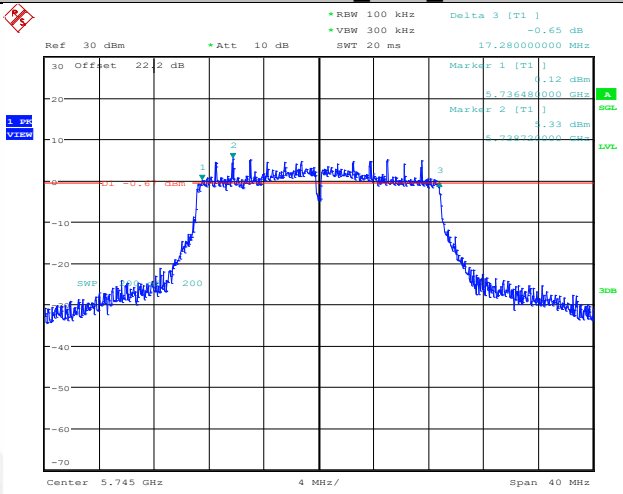


11A_Ant1_5825



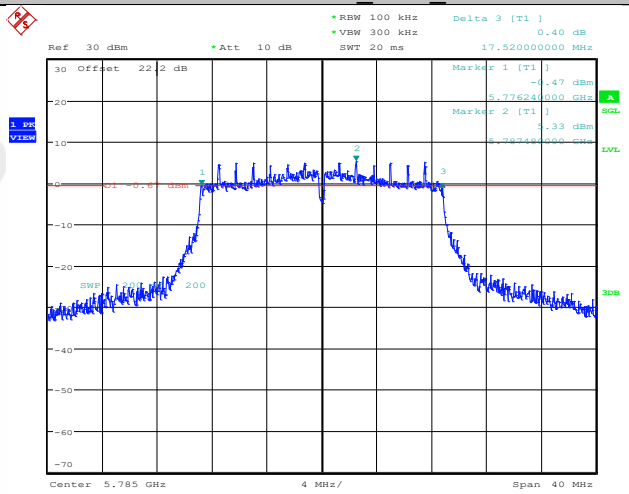
Date: 12.FEB.2022 19:06:30

11N20SISO_Ant1_5745



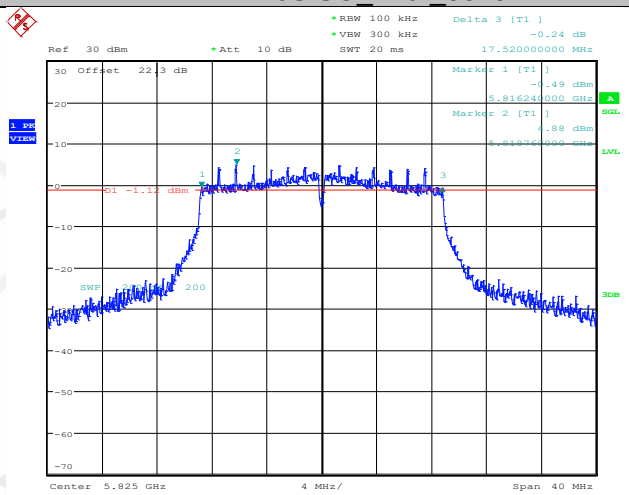
Date: 12.FEB.2022 20:05:07

11N20SISO_Ant1_5785

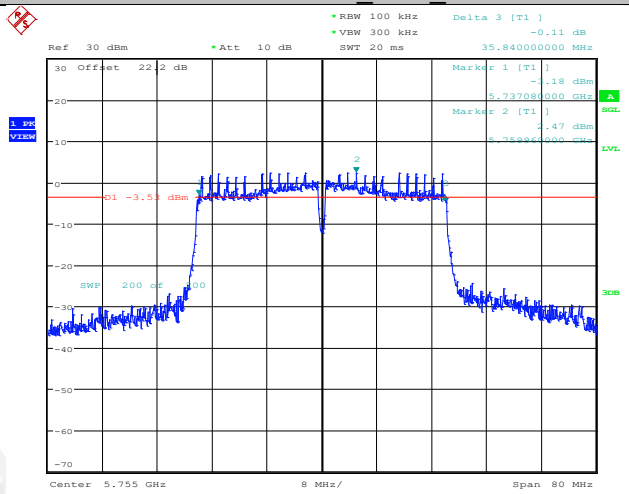


Date: 12.FEB.2022 20:10:46

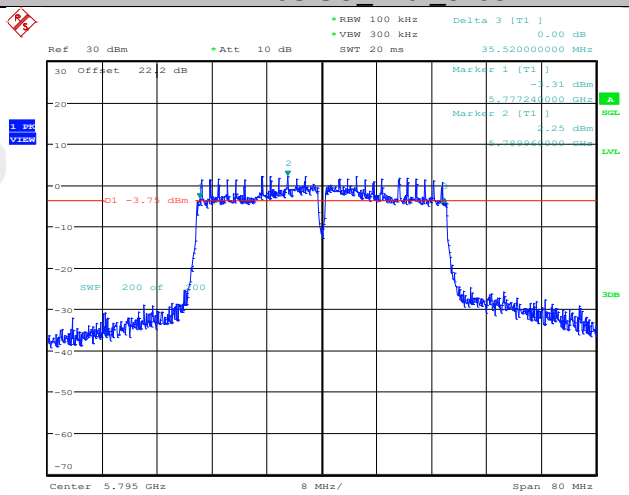
11N20SISO_Ant1_5825



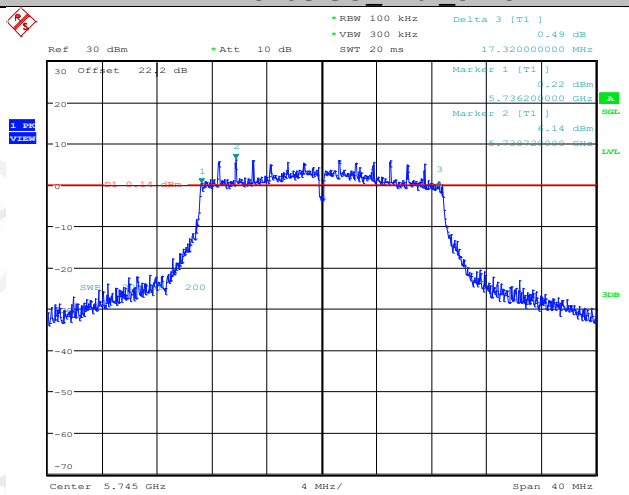
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

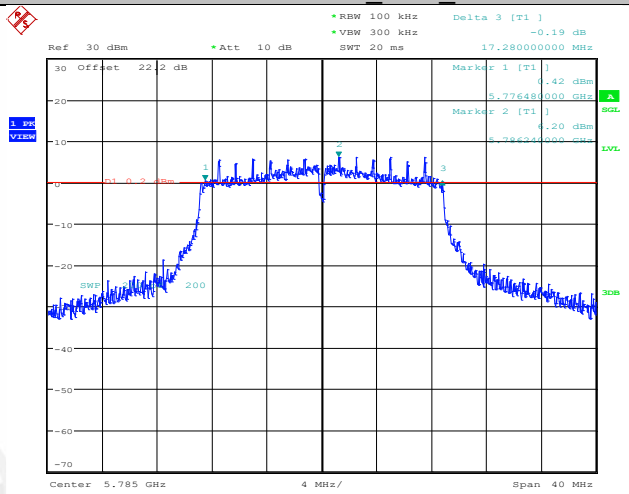


11AC20SISO_Ant1_5745



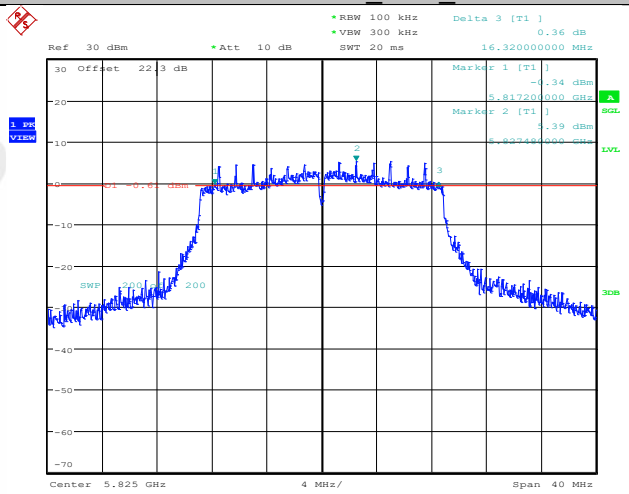
Date: 19.FEB.2022 16:16:13

11AC20SISO_Ant1_5785



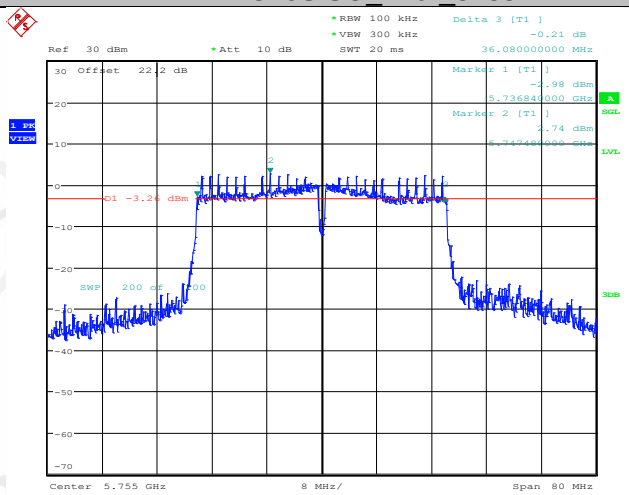
Date: 19.FEB.2022 16:21:48

11AC20SISO_Ant1_5825



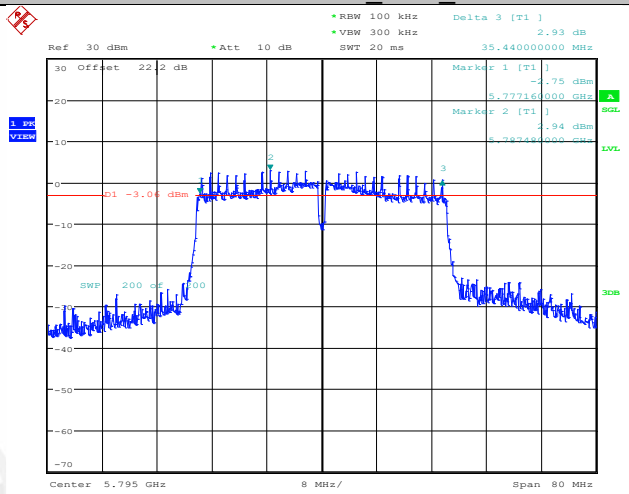
Date: 19.FEB.2022 16:27:30

11AC40SISO_Ant1_5755



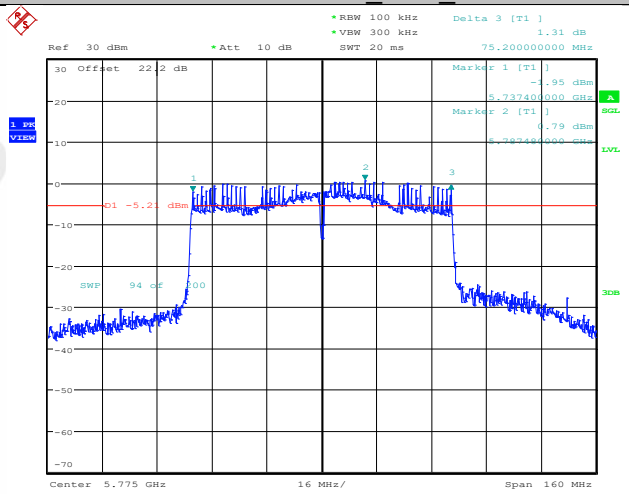
Date: 19.FEB.2022 17:17:30

11AC40SISO_Ant1_5795



Date: 19.FEB.2022 17:23:51

11AC80SISO_Ant1_5775



Date: 19.FEB.2022 18:14:23

5. Maximum Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or 10 + 10 $\log_{10}$ B	
	For FCC: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	5250-5350
	For RSS: For conducted output power: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$ B	
	For FCC: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	For FCC:5470 - 5725 For IC:5470 - 5600 5650 - 5725
	For RSS: For conducted output power: 250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or 17 + 10 $\log_{10}$ B	
	1 Watt (30 dBm)	5725-5850
Note：For FCC: B=26 bandwidth; For ISED: B=99% bandwidth.		

5.3. Test procedure

(1) Connect each EUT's antenna output to power meter by RF cable and attenuator

(2) Add each antenna port's results to get the total output power of EUT.

5.4. Test result

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Result [dBm]	FCC Limit [dBm]	RSS Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	11.06	11.15	≤23.98	---	3.50	14.65	≤22.35	PASS
		5200	13.07	13.16	≤23.98	---	3.50	16.66	≤22.35	PASS
		5240	12.68	12.77	≤23.98	---	3.50	16.27	≤22.35	PASS
		5260	12.35	12.44	≤23.98	≤23.35	3.50	15.94	≤29.35	PASS
		5280	12.47	12.56	≤23.98	≤23.35	3.50	16.06	≤29.35	PASS
		5320	12.56	12.65	≤23.98	≤23.35	3.50	16.15	≤29.35	PASS
		5500	12.35	12.44	≤23.98	≤23.35	3.50	15.94	≤29.35	PASS
		5580	11.94	12.03	≤23.98	≤23.35	3.50	15.53	≤29.35	PASS
		5700	12.48	12.57	≤23.98	≤23.35	3.50	16.07	≤29.35	PASS
		5745	10.49	10.58	≤30.00	≤30.00	3.50	14.08	---	PASS
		5785	9.99	10.08	≤30.00	≤30.00	3.50	13.58	---	PASS
		5825	8.37	8.46	≤30.00	≤30.00	3.50	11.96	---	PASS
11N20SISO	Ant1	5180	10.80	10.93	≤23.98	---	3.50	14.43	---	PASS
		5200	12.68	12.81	≤23.98	---	3.50	16.31	---	PASS
		5240	12.27	12.40	≤23.98	---	3.50	15.90	---	PASS
		5260	11.81	11.94	≤23.98	≤23.59	3.50	15.44	≤29.59	PASS
		5280	12.04	12.17	≤23.98	≤23.59	3.50	15.67	≤29.59	PASS

		5320	12.39	12.52	≤23.98	≤23.59	3.50	16.02	≤29.59	PASS
		5500	11.89	12.02	≤23.98	≤23.59	3.50	15.52	≤29.59	PASS
		5580	11.52	11.65	≤23.98	≤23.59	3.50	15.15	≤29.59	PASS
		5700	12.08	12.21	≤23.98	≤23.59	3.50	15.71	≤29.59	PASS
		5745	10.05	10.18	≤30.00	≤30.00	3.50	13.68	---	PASS
		5785	9.78	9.91	≤30.00	≤30.00	3.50	13.41	---	PASS
		5825	7.92	8.05	≤30.00	≤30.00	3.50	11.55	---	PASS
11N40SISO	Ant1	5190	8.47	8.60	≤23.98	---	3.50	12.10	≤23.00	PASS
		5230	11.40	11.53	≤23.98	---	3.50	15.03	≤23.00	PASS
		5270	11.55	11.68	≤23.98	≤23.98	3.50	15.18	≤30.00	PASS
		5310	11.78	11.91	≤23.98	≤23.98	3.50	15.41	≤30.00	PASS
		5510	10.08	10.21	≤23.98	≤23.98	3.50	13.71	≤30.00	PASS
		5550	9.62	9.75	≤23.98	≤23.98	3.50	13.25	≤30.00	PASS
		5670	10.28	10.41	≤23.98	≤23.98	3.50	13.91	≤30.00	PASS
		5755	8.30	8.43	≤30.00	≤30.00	3.50	11.93	---	PASS
		5795	7.72	7.85	≤30.00	≤30.00	3.50	11.35	---	PASS
11AC20SISO	Ant1	5180	10.76	10.86	≤23.98	---	3.50	14.36	---	PASS
		5200	13.74	13.84	≤23.98	---	3.50	17.34	---	PASS
		5240	12.26	12.36	≤23.98	---	3.50	15.86	---	PASS
		5260	11.82	11.92	≤23.98	≤23.59	3.50	15.42	≤29.59	PASS
		5280	12.03	12.13	≤23.98	≤23.59	3.50	15.63	≤29.59	PASS
		5320	12.35	12.45	≤23.98	≤23.59	3.50	15.95	≤29.59	PASS
		5500	11.95	12.05	≤23.98	≤23.59	3.50	15.55	≤29.59	PASS
		5580	11.47	11.57	≤23.98	≤23.59	3.50	15.07	≤29.59	PASS
		5700	12.11	12.21	≤23.98	≤23.59	3.50	15.71	≤29.59	PASS
		5745	10.04	10.14	≤30.00	≤30.00	3.50	13.64	---	PASS
		5785	9.50	9.60	≤30.00	≤30.00	3.50	13.10	---	PASS
		5825	7.89	7.99	≤30.00	≤30.00	3.50	11.49	---	PASS
11AC40SISO	Ant1	5190	8.44	8.57	≤23.98	---	3.50	12.07	≤23.00	PASS
		5230	11.37	11.50	≤23.98	---	3.50	15.00	≤23.00	PASS
		5270	11.55	11.68	≤23.98	≤23.98	3.50	15.18	≤30.00	PASS
		5310	11.75	11.88	≤23.98	≤23.98	3.50	15.38	≤30.00	PASS
		5510	10.05	10.18	≤23.98	≤23.98	3.50	13.68	≤30.00	PASS
		5550	9.65	9.78	≤23.98	≤23.98	3.50	13.28	≤30.00	PASS
		5670	10.24	10.37	≤23.98	≤23.98	3.50	13.87	≤30.00	PASS
		5755	8.05	8.18	≤30.00	≤30.00	3.50	11.68	---	PASS
		5795	7.70	7.83	≤30.00	≤30.00	3.50	11.33	---	PASS
11AC80SISO	Ant1	5210	9.52	9.78	≤23.98	---	3.50	13.28	≤23.00	PASS
		5290	7.36	7.62	≤23.98	≤23.98	3.50	11.12	≤30.00	PASS
		5530	9.63	9.89	≤23.98	≤23.98	3.50	13.39	≤30.00	PASS
		5610	9.58	9.84	≤23.98	≤23.98	3.50	13.34	≤30.00	PASS
		5775	8.65	8.91	≤30.00	≤30.00	3.50	12.41	---	PASS

Note：The Duty Cycle Factor is compensated in the graph.

6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	For RSS eirp: 10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725
	30 dBm/500 kHz	5725-5850

6.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.
Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:
1. For UNII-3, according to KDB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.

2. The value measured with RBW=1MHz is to be added with 10log(500kHz/1MHz) which is - 3dB. For example, if the measured value is +10 dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7 dBm/500 kHz.
Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

6.4. Test result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit [dBm/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	1.74	≤11.00	5.24	≤10.00	PASS
		5200	2.89	≤11.00	6.39	≤10.00	PASS
		5240	2.31	≤11.00	5.81	≤10.00	PASS
		5260	2.83	≤11.00	6.33	---	PASS
		5280	2.21	≤11.00	5.71	---	PASS
		5320	3.58	≤11.00	7.08	---	PASS
		5500	2.96	≤11.00	6.46	---	PASS
		5580	2.30	≤11.00	5.80	---	PASS
		5700	3.81	≤11.00	7.31	---	PASS
		5745	-2.84	≤30.00	0.66	---	PASS
		5785	-3.05	≤30.00	0.45	---	PASS
		5825	-4.73	≤30.00	-1.23	---	PASS
11N20SISO	Ant1	5180	1.26	≤11.00	4.76	≤10.00	PASS
		5200	2.42	≤11.00	5.92	≤10.00	PASS
		5240	1.79	≤11.00	5.29	≤10.00	PASS
		5260	2.06	≤11.00	5.56	---	PASS
		5280	1.69	≤11.00	5.19	---	PASS
		5320	3.05	≤11.00	6.55	---	PASS
		5500	2.60	≤11.00	6.10	---	PASS
		5580	1.57	≤11.00	5.07	---	PASS
		5700	3.08	≤11.00	6.58	---	PASS
		5745	-3.41	≤30.00	0.09	---	PASS
		5785	-3.40	≤30.00	0.10	---	PASS
		5825	-5.46	≤30.00	-1.96	---	PASS
11N40SISO	Ant1	5190	-4.86	≤11.00	-1.36	≤10.00	PASS
		5230	-1.41	≤11.00	2.09	≤10.00	PASS
		5270	-1.03	≤11.00	2.47	---	PASS
		5310	-0.39	≤11.00	3.11	---	PASS
		5510	-2.61	≤11.00	0.89	---	PASS
		5550	-2.02	≤11.00	1.48	---	PASS
		5670	-2.44	≤11.00	1.06	---	PASS
		5755	-8.48	≤30.00	-4.98	---	PASS
		5795	-6.79	≤30.00	-3.29	---	PASS
11AC20SISO	Ant1	5180	1.43	≤11.00	4.93	≤10.00	PASS
		5200	2.43	≤11.00	5.93	≤10.00	PASS
		5240	1.77	≤11.00	5.27	≤10.00	PASS
		5260	2.22	≤11.00	5.72	---	PASS
		5280	1.55	≤11.00	5.05	---	PASS
		5320	3.14	≤11.00	6.64	---	PASS
		5500	2.63	≤11.00	6.13	---	PASS
		5580	1.88	≤11.00	5.38	---	PASS

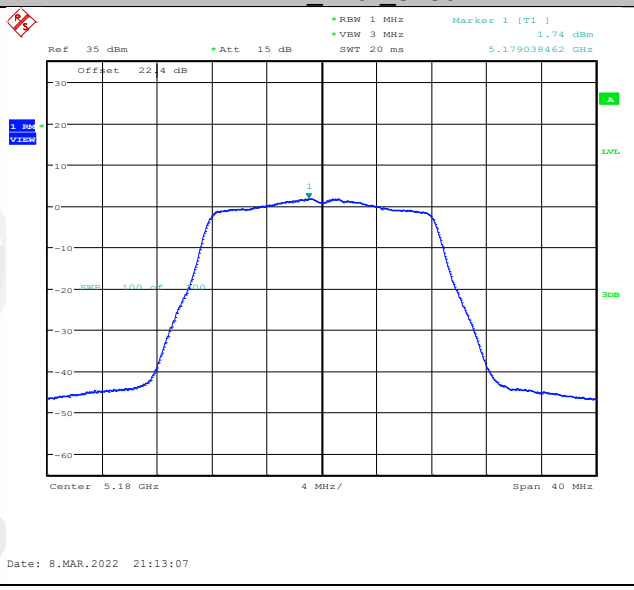
		5700	3.39	≤11.00	6.89	---	PASS
		5745	-3.24	≤30.00	0.26	---	PASS
		5785	-3.57	≤30.00	-0.07	---	PASS
		5825	-5.37	≤30.00	-1.87	---	PASS
11AC40SISO	Ant1	5190	-3.43	≤11.00	0.07	≤10.00	PASS
		5230	-1.39	≤11.00	2.11	≤10.00	PASS
		5270	-1.05	≤11.00	2.45	---	PASS
		5310	-0.31	≤11.00	3.19	---	PASS
		5510	-1.44	≤11.00	2.06	---	PASS
		5550	-1.73	≤11.00	1.77	---	PASS
		5670	-2.37	≤11.00	1.13	---	PASS
		5755	-7.06	≤30.00	-3.56	---	PASS
		5795	-7.13	≤30.00	-3.63	---	PASS
11AC80SISO	Ant1	5210	-4.47	≤11.00	-0.97	≤10.00	PASS
		5290	-8.71	≤11.00	-5.21	---	PASS
		5530	-5.72	≤11.00	-2.22	---	PASS
		5610	-5.46	≤11.00	-1.96	---	PASS
		5775	-10.58	≤30.00	-7.08	---	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

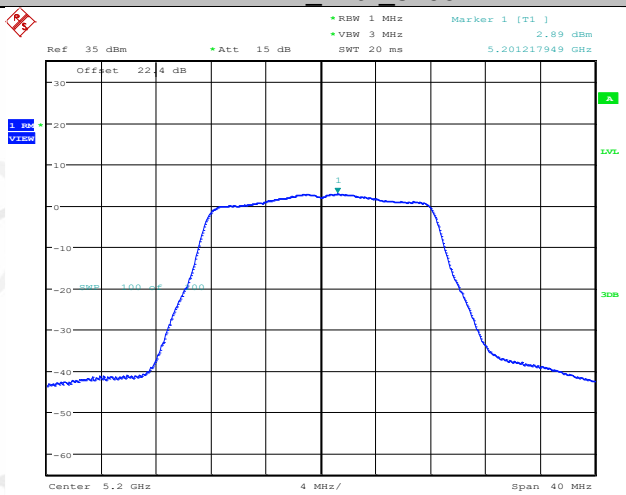
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

6.5. Original test data

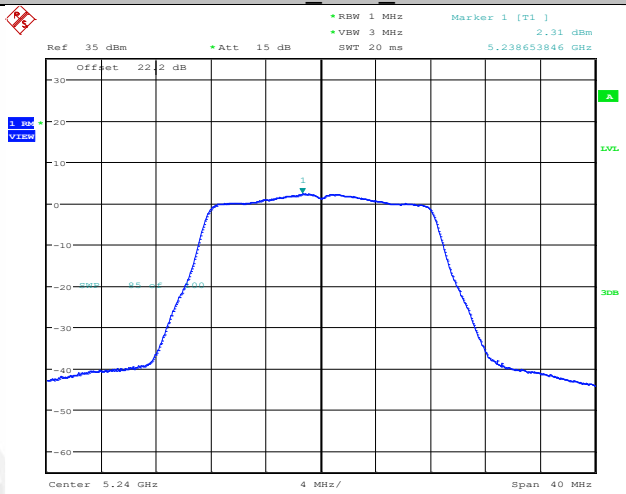
11A_Ant1_5180



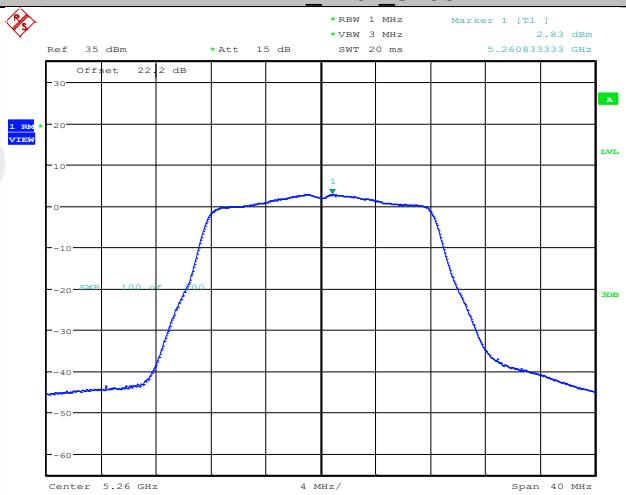
11A_Ant1_5200



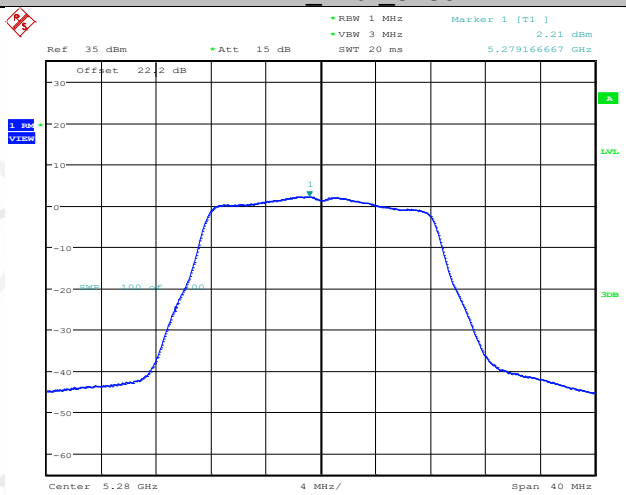
11A_Ant1_5240



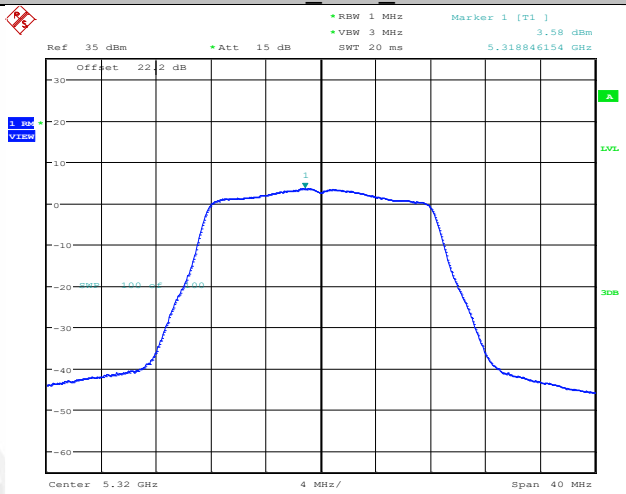
11A_Ant1_5260



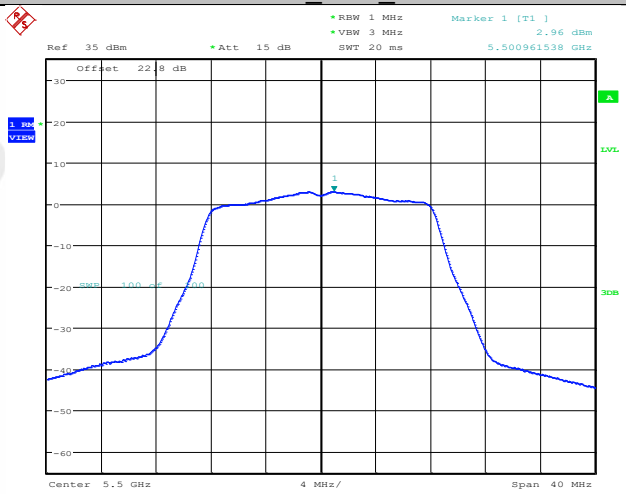
11A_Ant1_5280



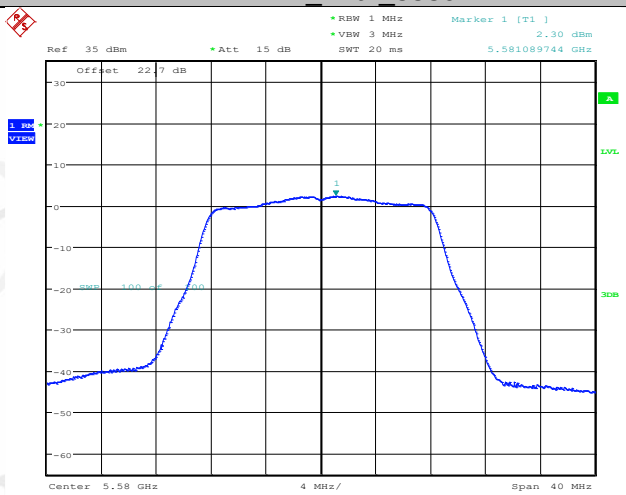
11A_Ant1_5320



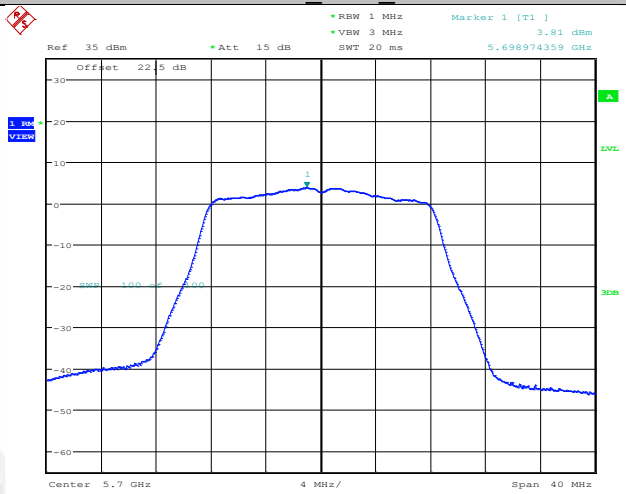
11A_Ant1_5500



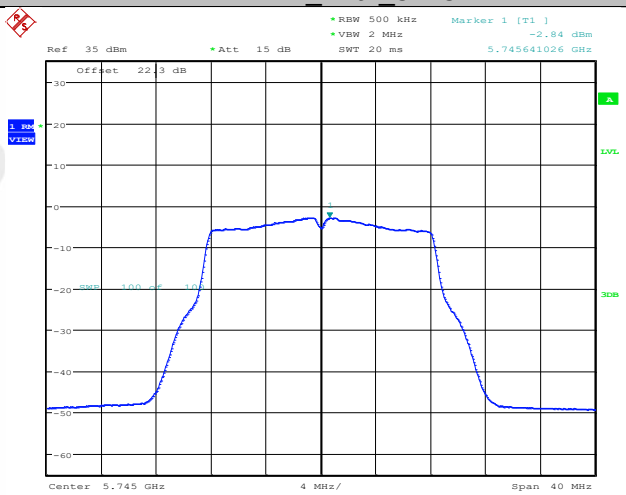
11A_Ant1_5580



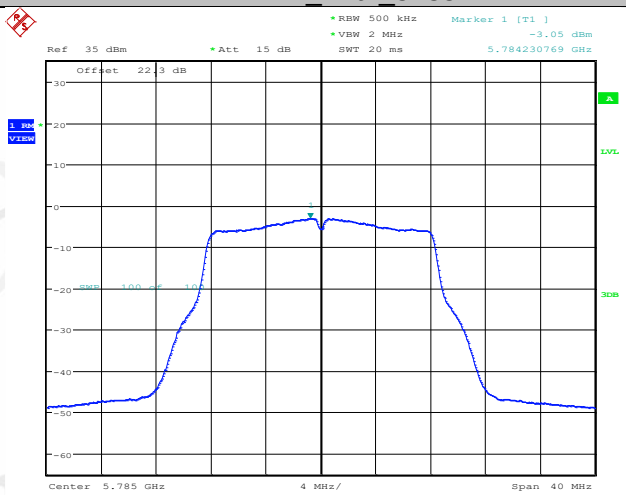
11A_Ant1_5700



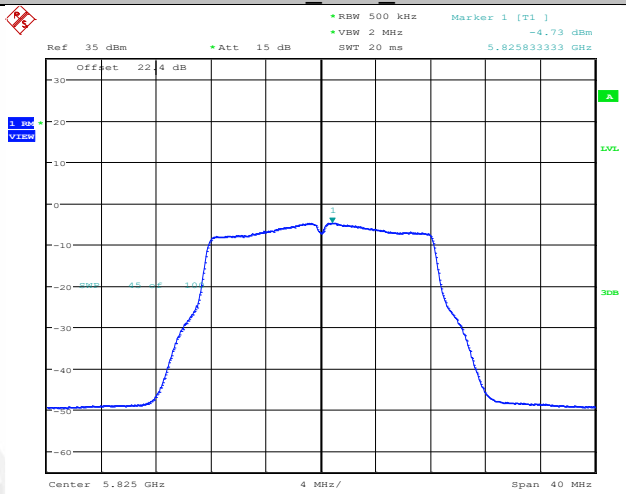
11A_Ant1_5745



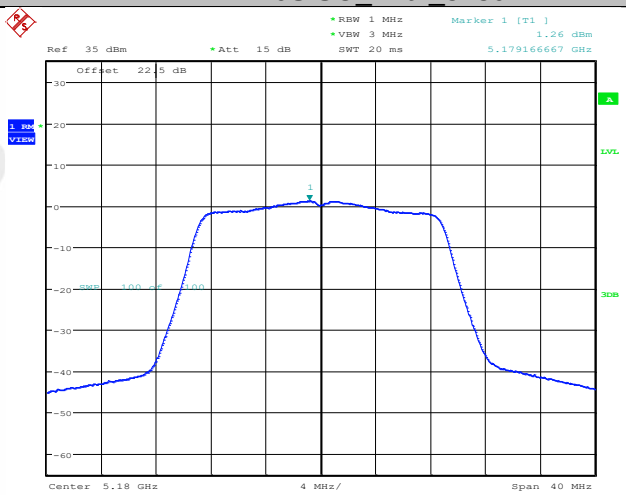
11A_Ant1_5785



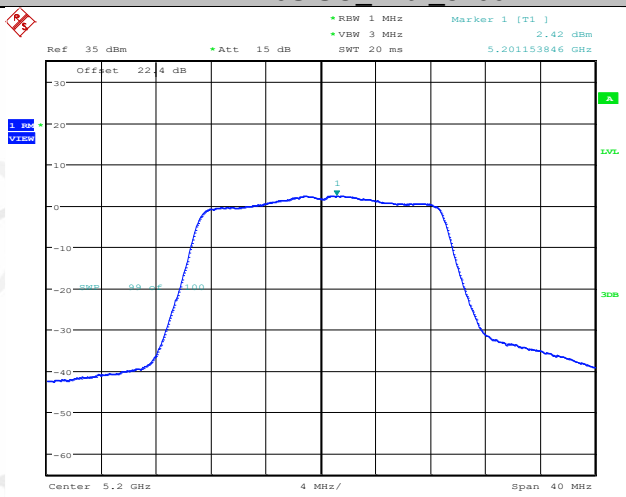
11A_Ant1_5825



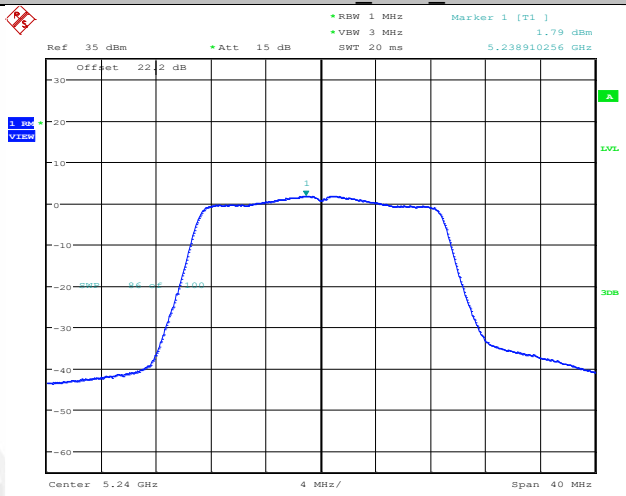
11N20SISO_Ant1_5180



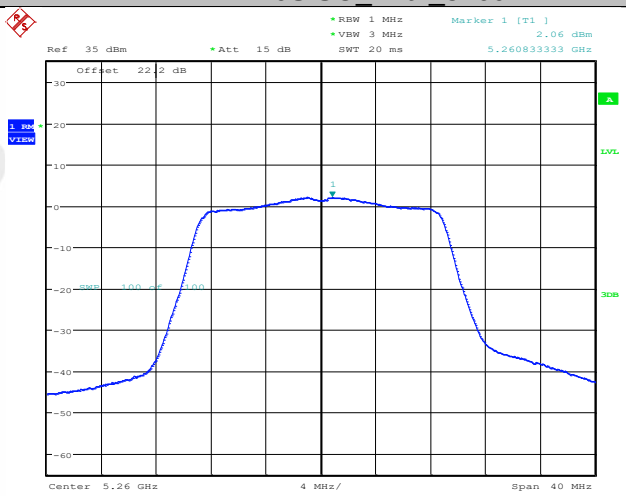
11N20SISO_Ant1_5200



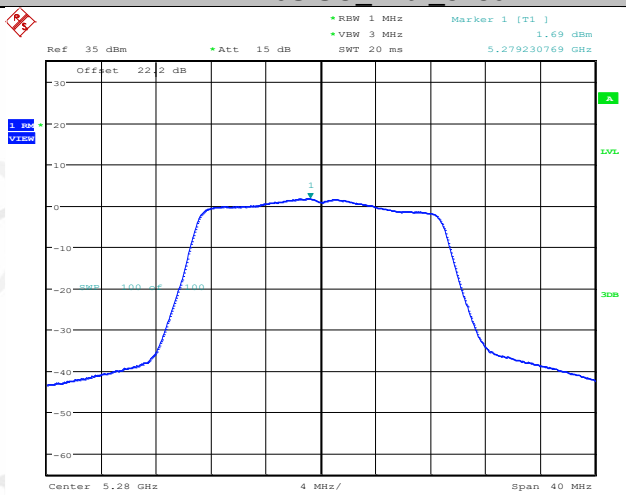
11N20SISO_Ant1_5240



11N20SISO_Ant1_5260

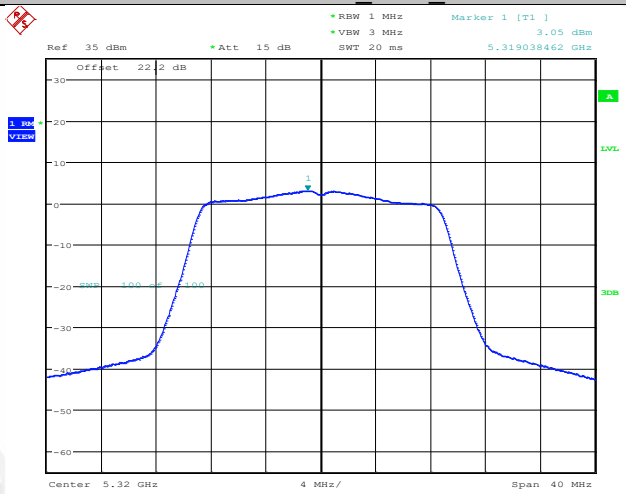


11N20SISO_Ant1_5280



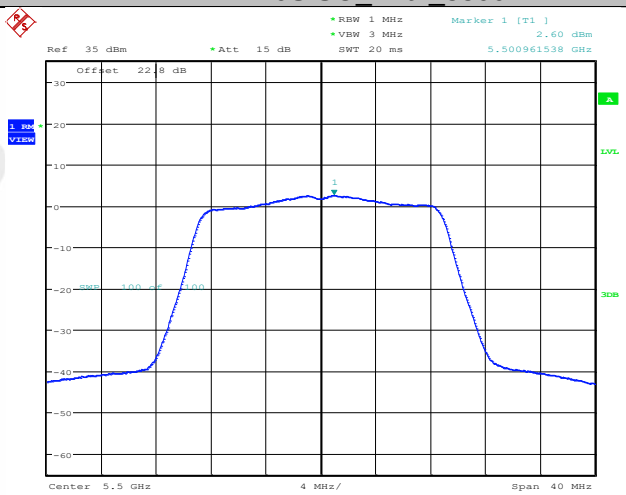
Date: 8.MAR.2022 21:44:05

11N20SISO_Ant1_5320



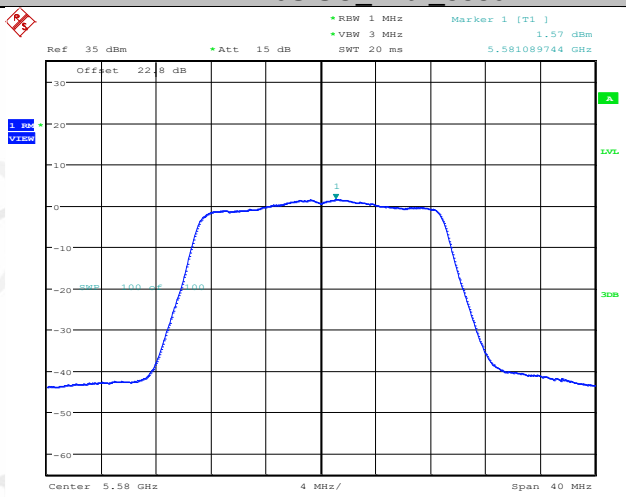
Date: 8.MAR.2022 21:45:08

11N20SISO_Ant1_5500

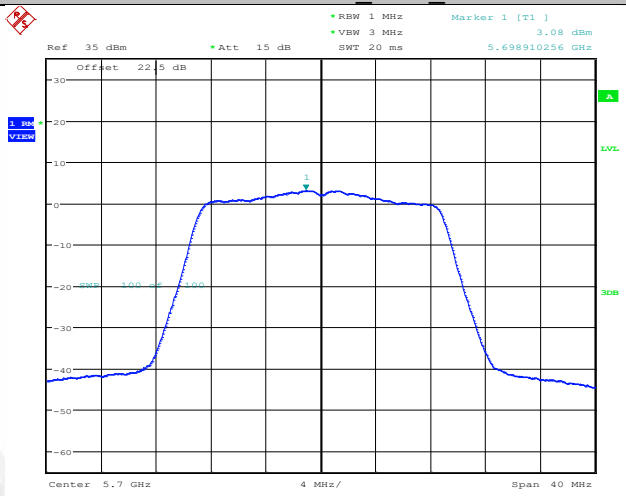


Date: 8.MAR.2022 21:51:53

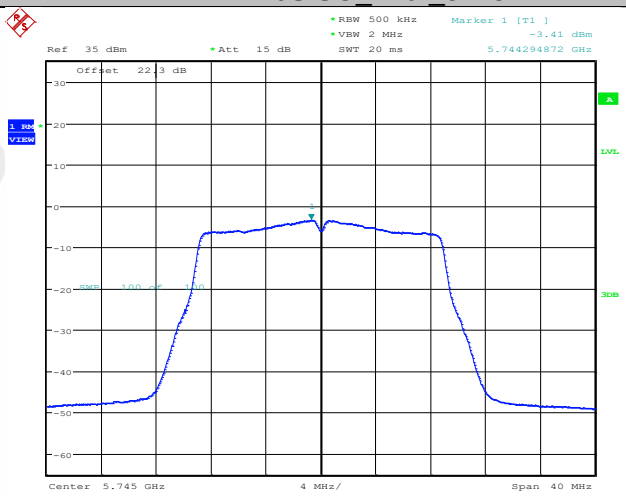
11N20SISO_Ant1_5580



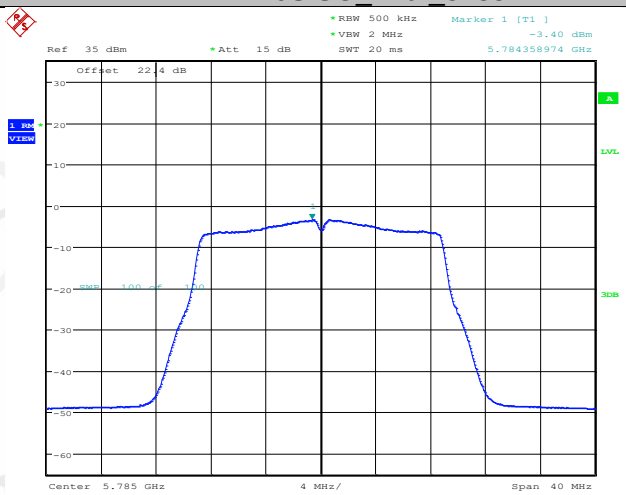
11N20SISO_Ant1_5700



11N20SISO_Ant1_5745

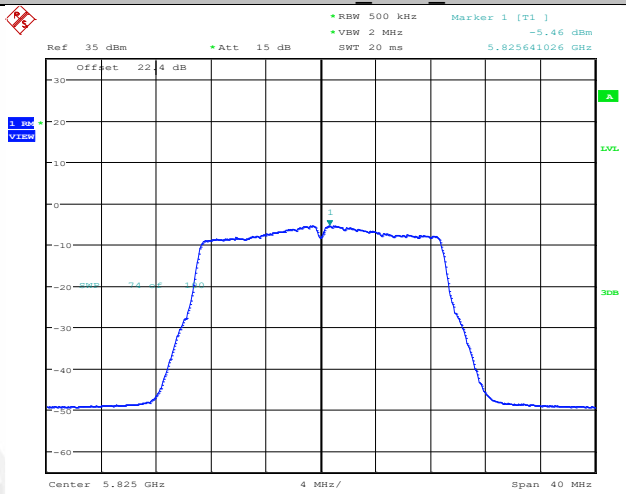


11N20SISO_Ant1_5785



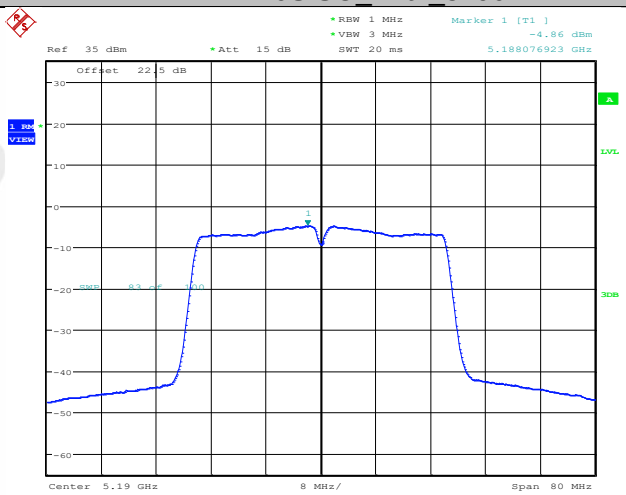
Date: 8.MAR.2022 22:01:29

11N20SISO_Ant1_5825



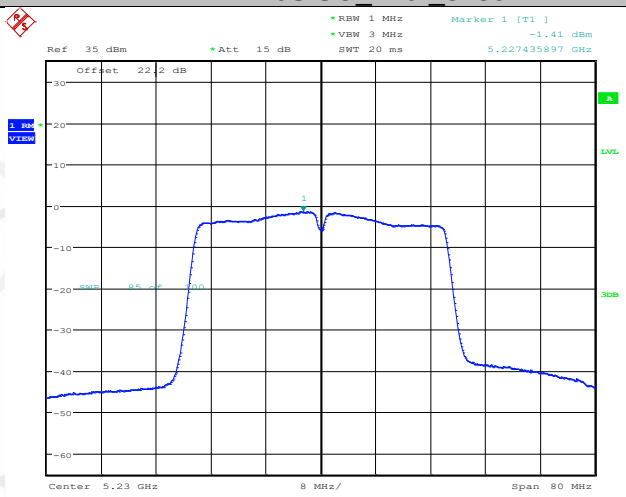
Date: 8.MAR.2022 22:02:35

11N40SISO_Ant1_5190

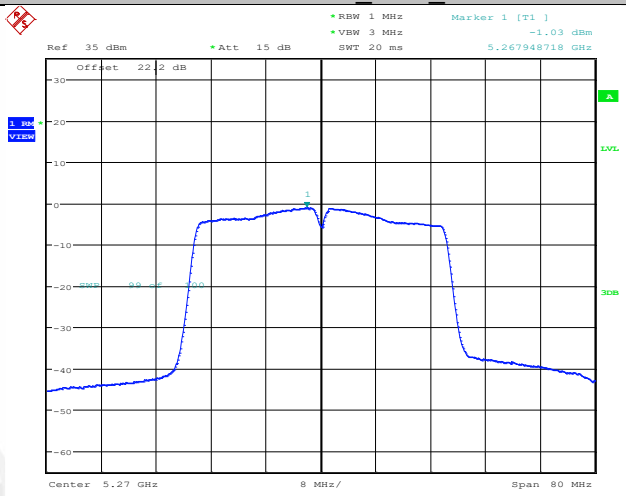


Date: 8.MAR.2022 22:06:15

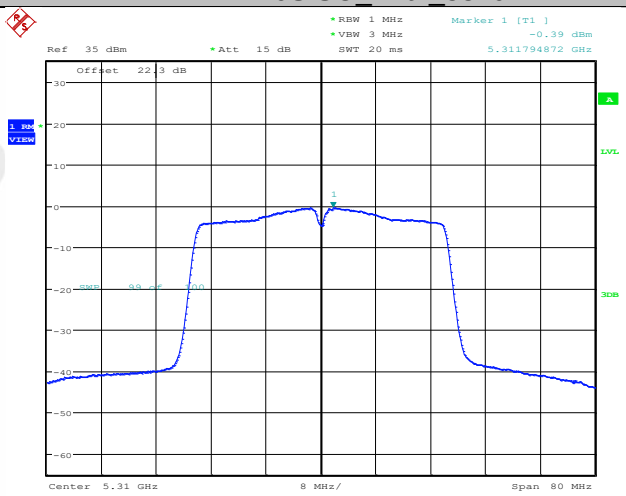
11N40SISO_Ant1_5230



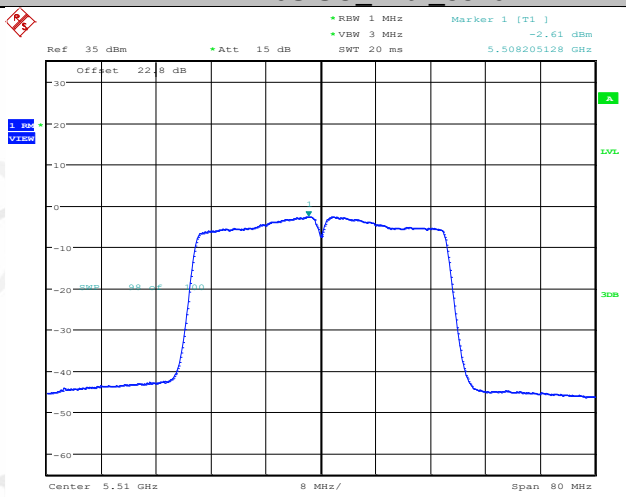
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310

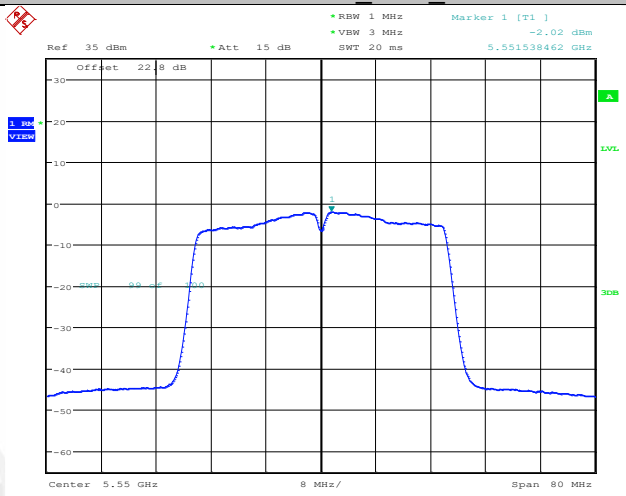


11N40SISO_Ant1_5510



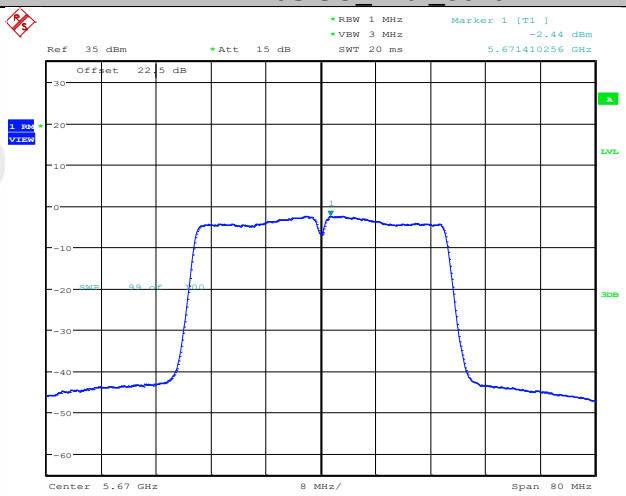
Date: 8.MAR.2022 22:16:23

11N40SISO_Ant1_5550



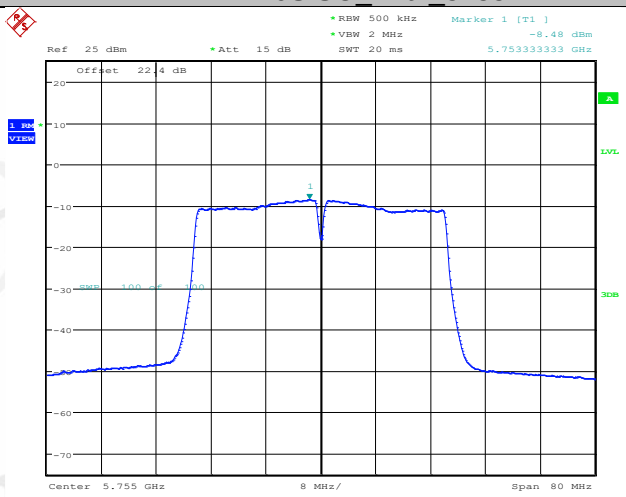
Date: 8.MAR.2022 22:19:24

11N40SISO_Ant1_5670



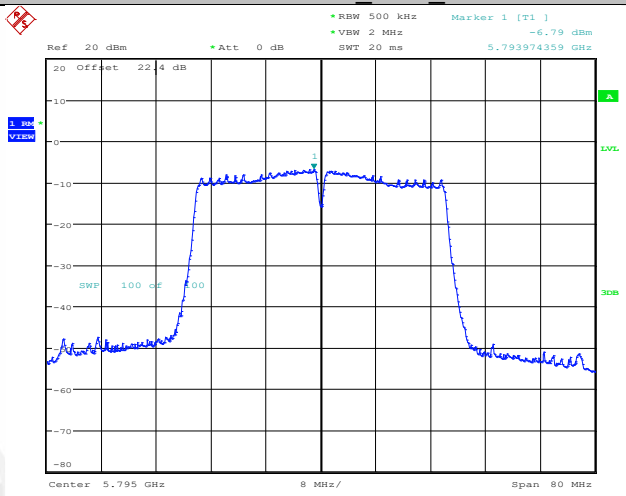
Date: 8.MAR.2022 22:20:23

11N40SISO_Ant1_5755



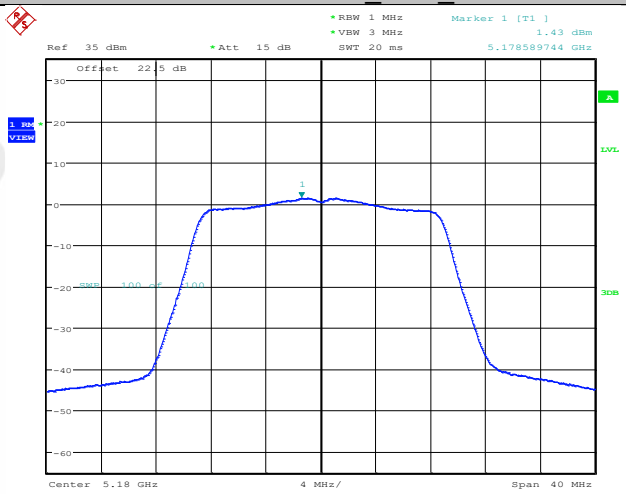
Date: 8.MAR.2022 22:23:12

11N40SISO_Ant1_5795



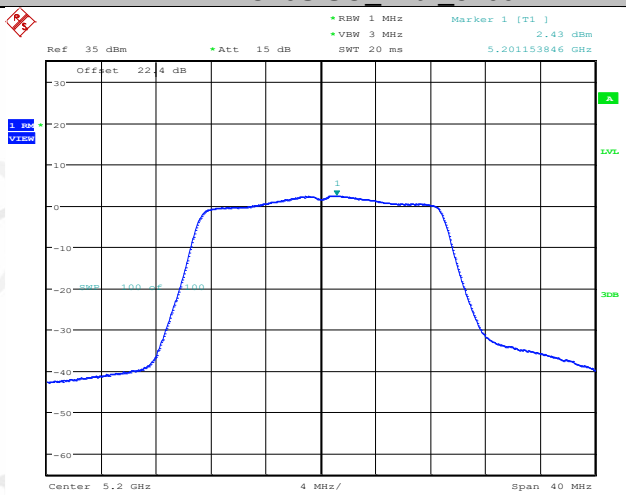
Date: 8.MAR.2022 22:27:26

11AC20SISO_Ant1_5180



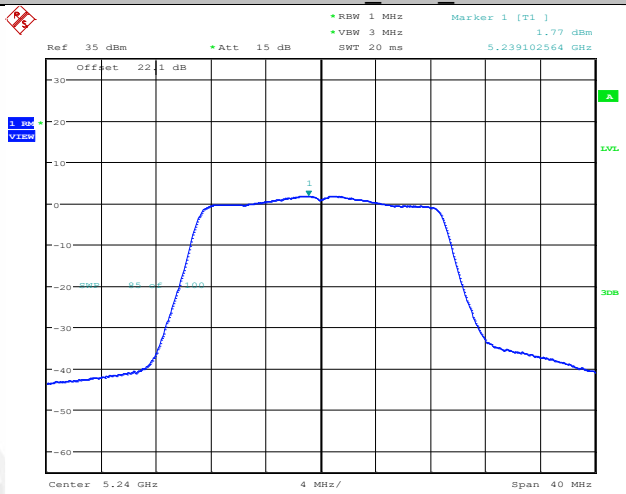
Date: 8.MAR.2022 22:31:17

11AC20SISO_Ant1_5200



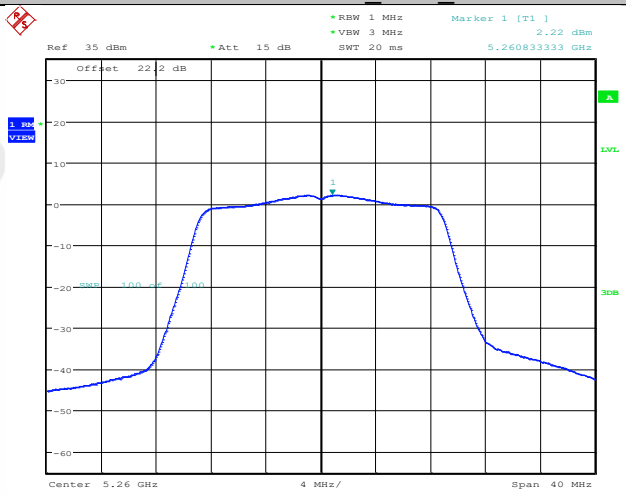
Date: 8.MAR.2022 22:34:04

11AC20SISO_Ant1_5240



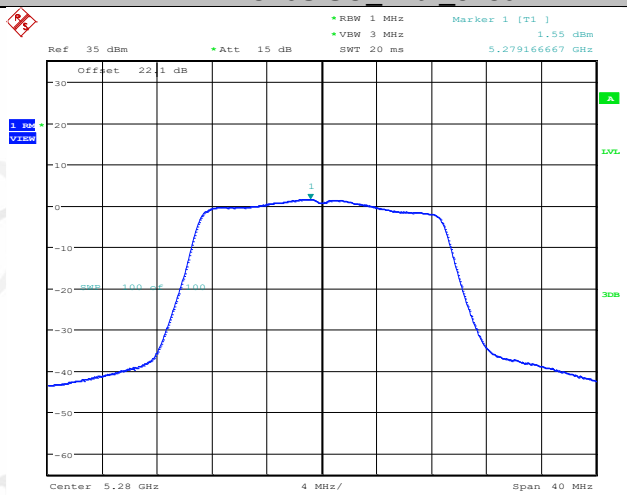
Date: 8.MAR.2022 22:35:09

11AC20SISO_Ant1_5260

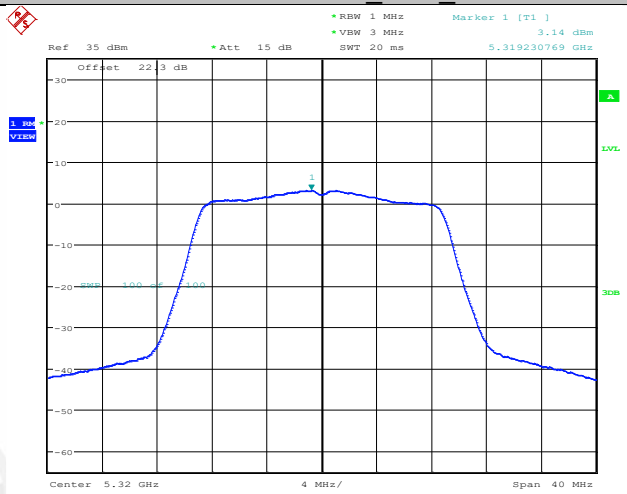


Date: 8.MAR.2022 22:36:09

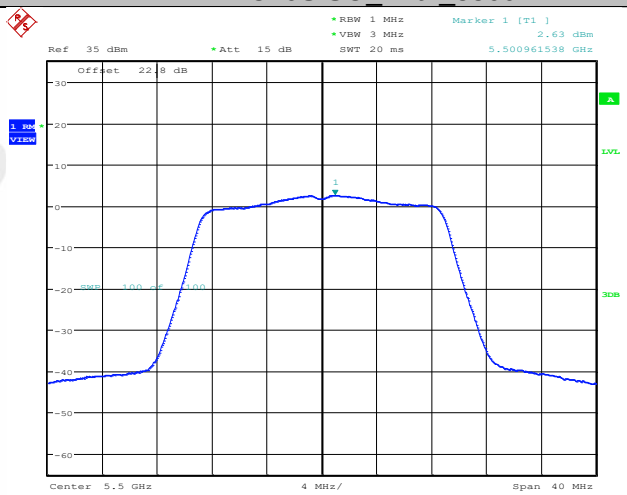
11AC20SISO_Ant1_5280



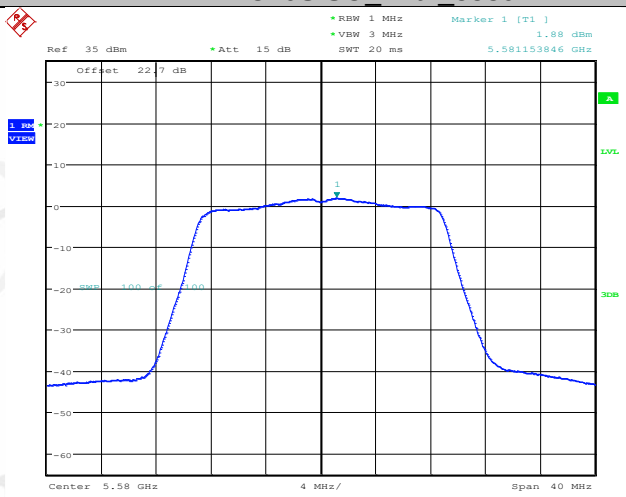
11AC20SISO_Ant1_5320



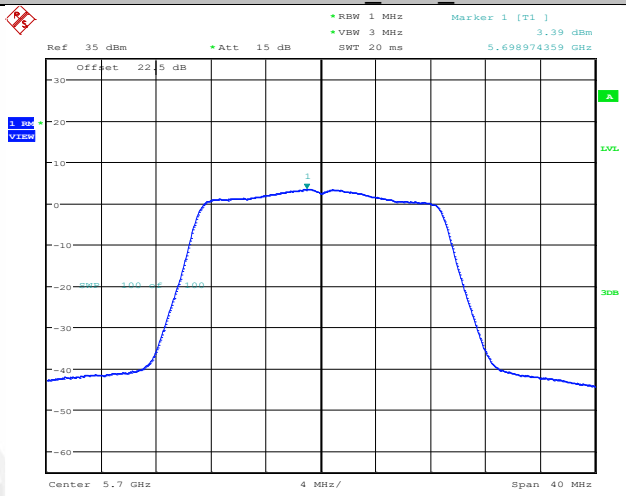
11AC20SISO_Ant1_5500



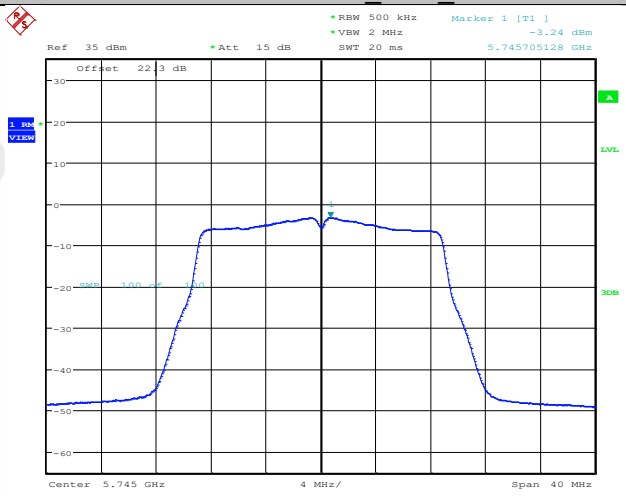
11AC20SISO_Ant1_5580



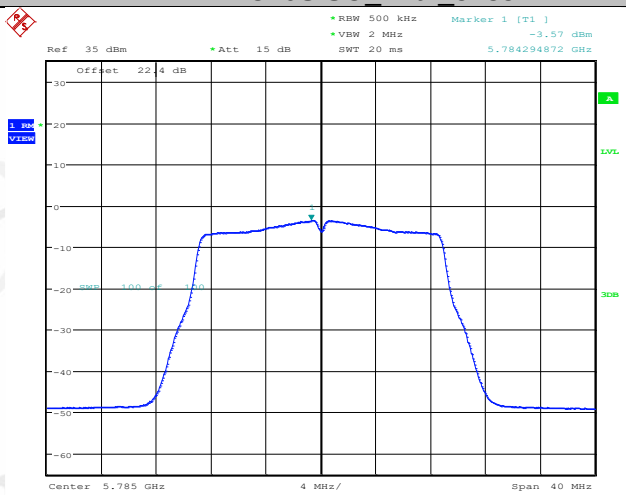
11AC20SISO_Ant1_5700



11AC20SISO_Ant1_5745

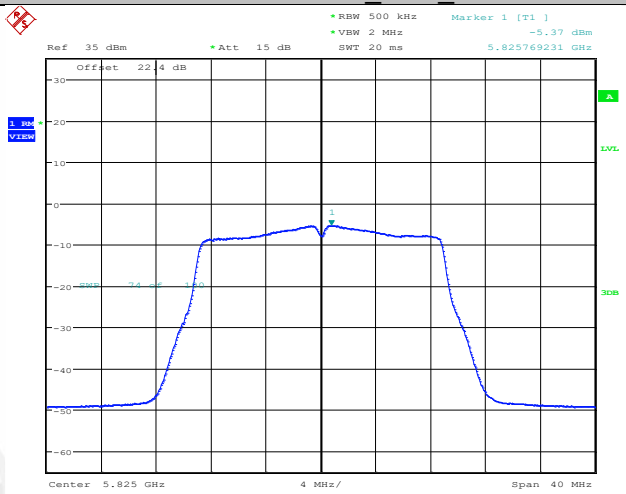


11AC20SISO_Ant1_5785



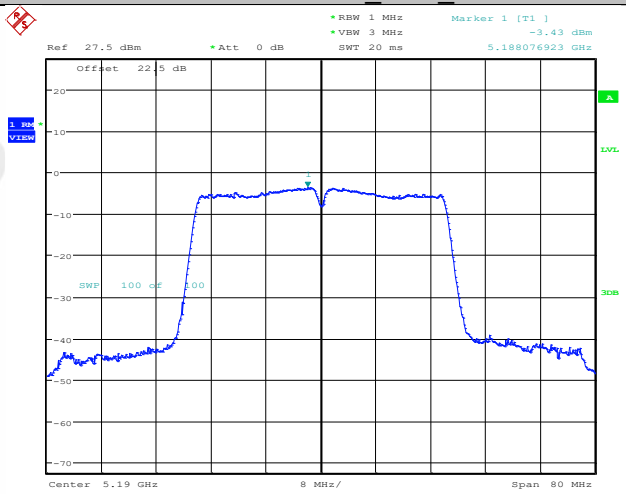
Date: 8.MAR.2022 22:50:54

11AC20SISO_Ant1_5825



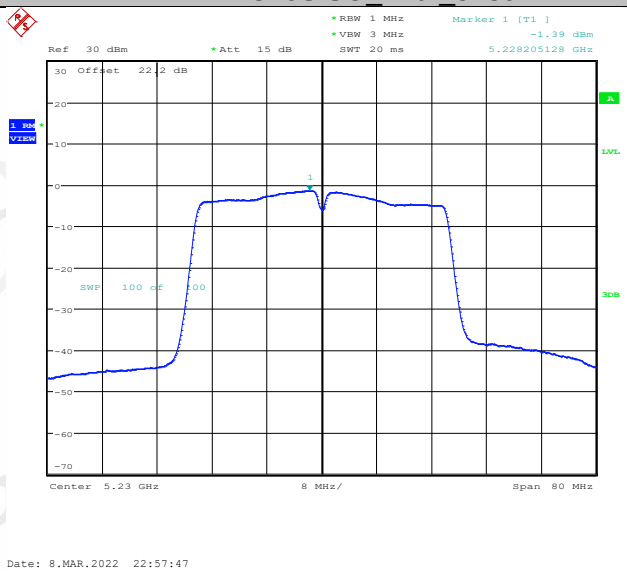
Date: 8.MAR.2022 22:51:56

11AC40SISO_Ant1_5190

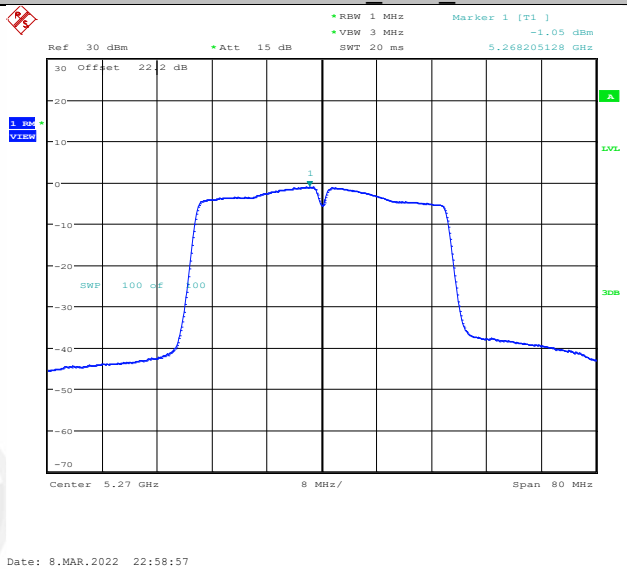


Date: 8.MAR.2022 22:54:41

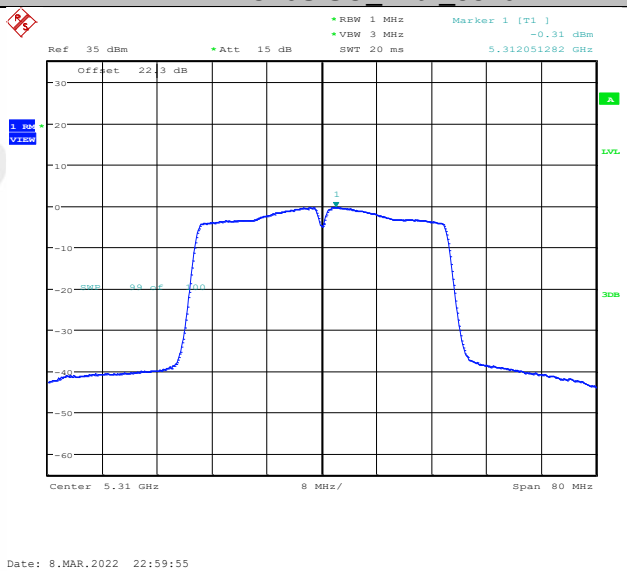
11AC40SISO_Ant1_5230



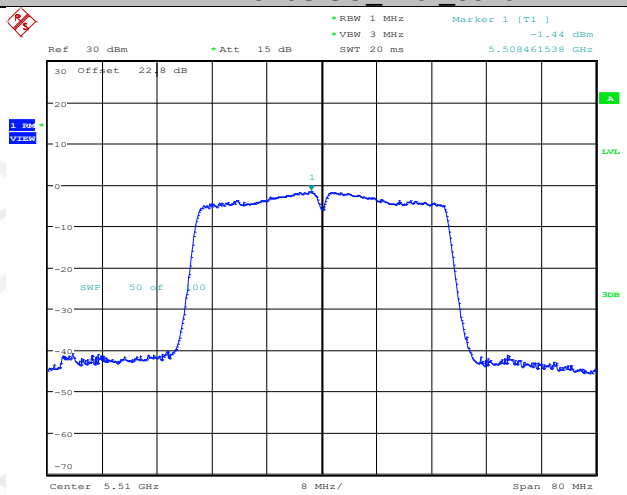
11AC40SISO_Ant1_5270



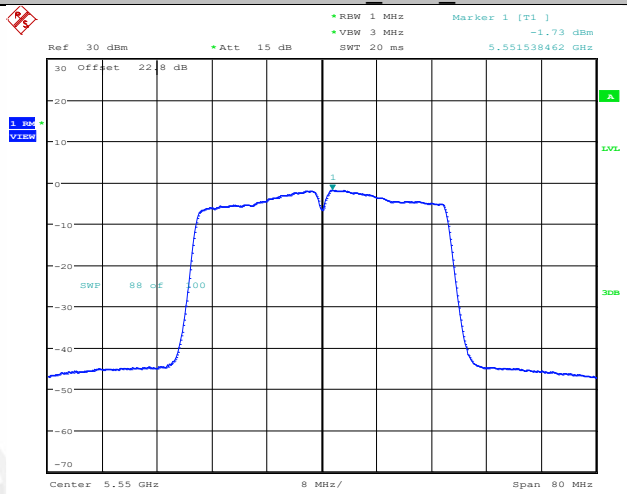
11AC40SISO_Ant1_5310



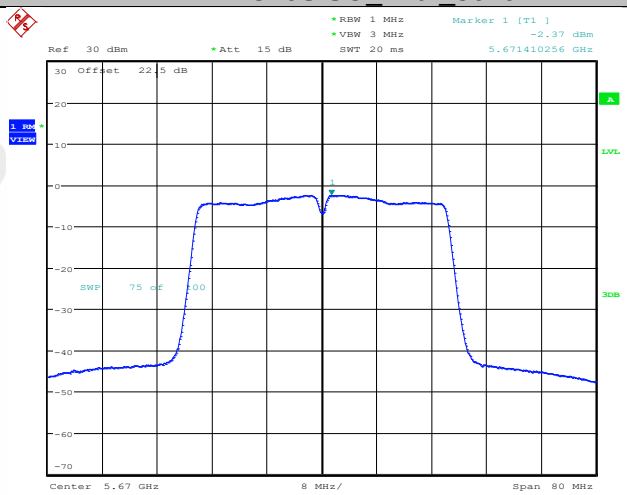
11AC40SISO_Ant1_5510



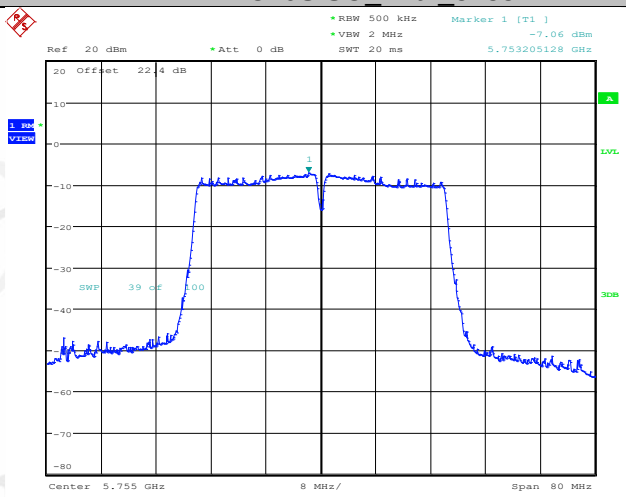
11AC40SISO_Ant1_5550



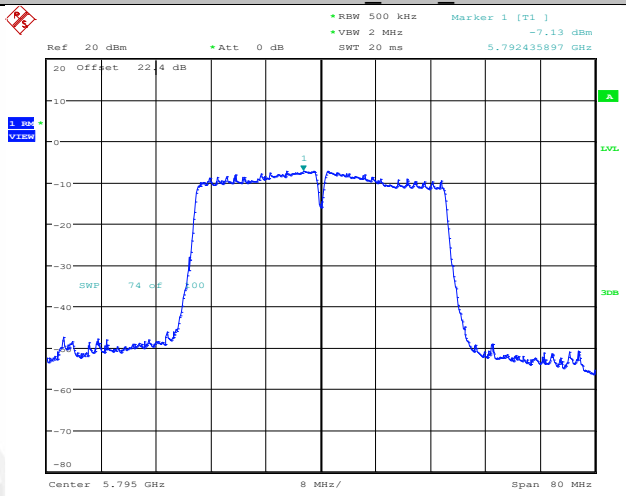
11AC40SISO_Ant1_5670



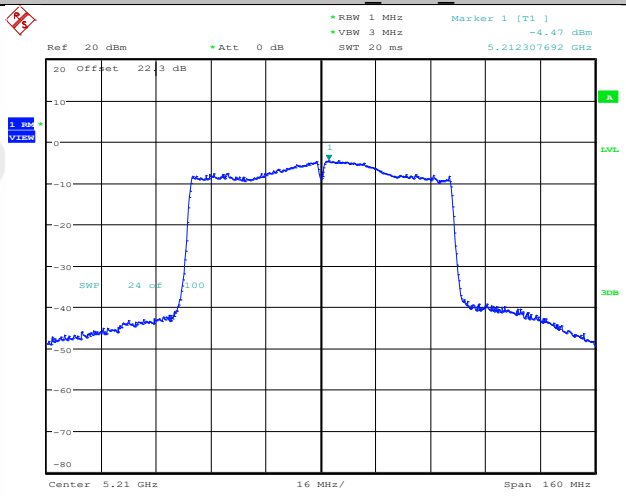
11AC40SISO_Ant1_5755



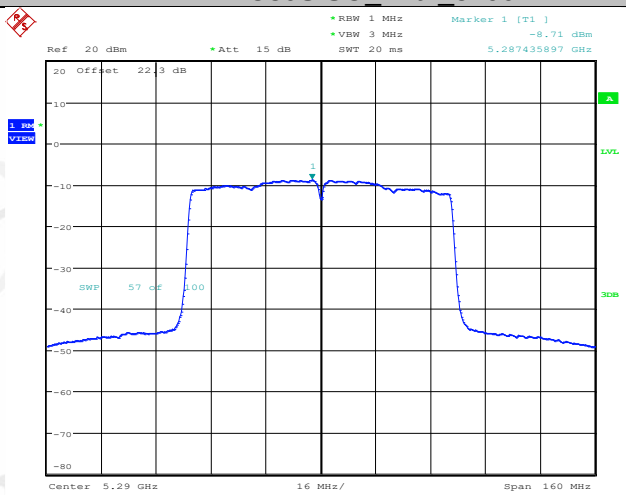
11AC40SISO_Ant1_5795



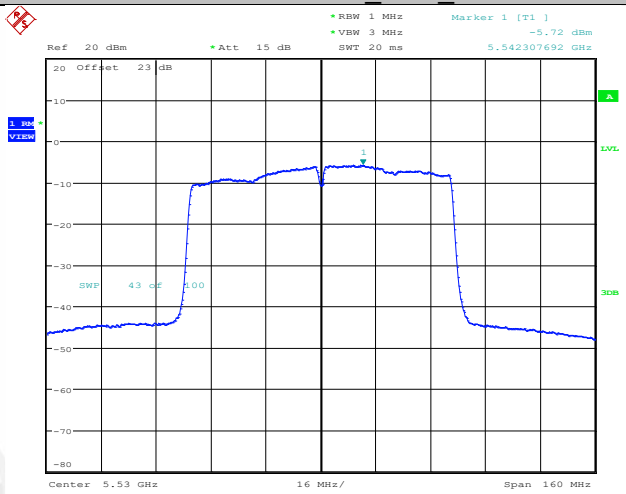
11AC80SISO_Ant1_5210



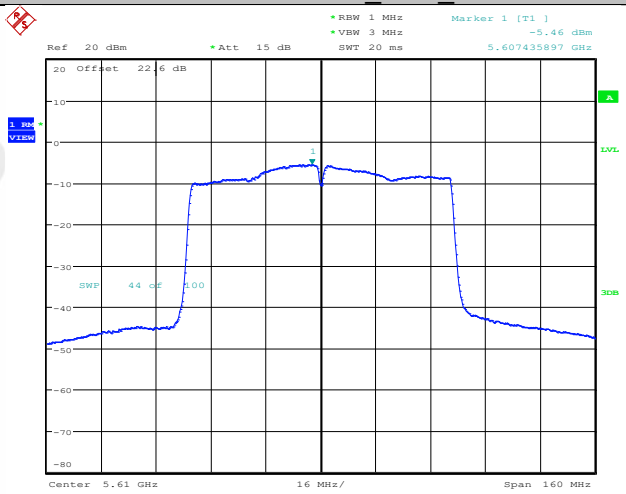
11AC80SISO_Ant1_5290



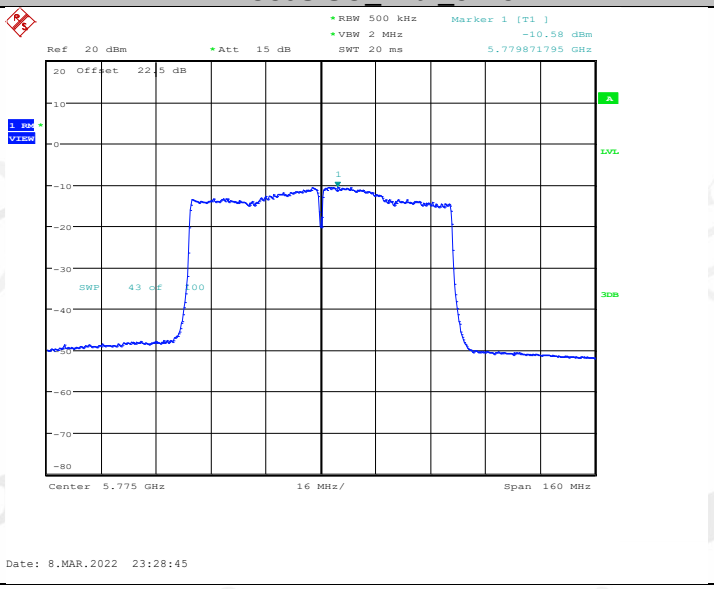
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5775



7. Frequency Stability Measurement

7.1. Limit of Frequency Stability

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

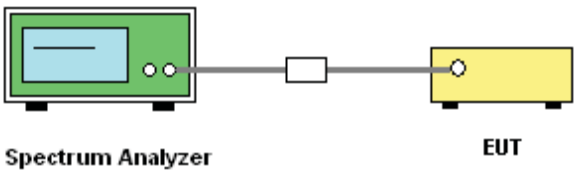
7.2. Measuring Instruments

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

7.3. Test procedures

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

7.4. Test setup



7.5. Test result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5200	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5240	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5260	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.802281	20	PASS
			HV	NT	0	0	20	PASS
		5280	NV	NT	-20000	-3.787879	20	PASS
			LV	NT	-20000	-3.787879	20	PASS
			HV	NT	0	0	20	PASS

		5320	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.759398	20	PASS
		5500	NV	NT	0	0	20	PASS
			LV	NT	20000	3.636364	20	PASS
			HV	NT	0	0	20	PASS
		5580	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5700	NV	NT	-20000	-3.508772	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.508772	20	PASS
		5745	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.481288	20	PASS
		5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.457217	20	PASS
		5825	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11N20 SISO	Ant1	5180	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5200	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5240	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5260	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5280	NV	NT	-20000	-3.787879	20	PASS
			LV	NT	-20000	-3.787879	20	PASS
			HV	NT	0	0	20	PASS
		5320	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.759398	20	PASS
			HV	NT	0	0	20	PASS
		5500	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5580	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.584229	20	PASS
			HV	NT	0	0	20	PASS
		5700	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5745	NV	NT	-20000	-3.481288	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.481288	20	PASS

		5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.457217	20	PASS
		5825	NV	NT	-20000	-3.433476	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11N40 SISO	Ant1	5190	NV	NT	-40000	-7.707129	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5230	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5270	NV	NT	-40000	-7.590133	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5310	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5510	NV	NT	-40000	-7.259528	20	PASS
			LV	NT	-40000	-7.259528	20	PASS
			HV	NT	-40000	-7.259528	20	PASS
		5550	NV	NT	0	0	20	PASS
			LV	NT	-40000	-7.207207	20	PASS
			HV	NT	0	0	20	PASS
		5670	NV	NT	-40000	-7.054674	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-40000	-7.054674	20	PASS
		5755	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5795	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11AC20 SISO	Ant1	5180	NV	NT	-20000	-3.861004	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5200	NV	NT	-20000	-3.846154	20	PASS
			LV	NT	-20000	-3.846154	20	PASS
			HV	NT	0	0	20	PASS
		5240	NV	NT	-20000	-3.816794	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5260	NV	NT	20000	3.802281	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-20000	-3.802281	20	PASS
		5280	NV	NT	-20000	-3.787879	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5320	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.759398	20	PASS
			HV	NT	0	0	20	PASS

		5500	NV	NT	-20000	-3.636364	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5580	NV	NT	-20000	-3.584229	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5700	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5745	NV	NT	-20000	-3.481288	20	PASS
			LV	NT	-20000	-3.481288	20	PASS
			HV	NT	-20000	-3.481288	20	PASS
		5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5825	NV	NT	0	0	20	PASS
			LV	NT	-20000	-3.433476	20	PASS
			HV	NT	0	0	20	PASS
11AC40 SISO	Ant1	5190	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5230	NV	NT	-40000	-7.648184	20	PASS
			LV	NT	-40000	-7.648184	20	PASS
			HV	NT	0	0	20	PASS
		5270	NV	NT	-40000	-7.590133	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5310	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5510	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5550	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5670	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-40000	-7.054674	20	PASS
		5755	NV	NT	0	0	20	PASS
			LV	NT	-40000	-6.950478	20	PASS
			HV	NT	0	0	20	PASS
		5795	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11AC80 SISO	Ant1	5210	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5290	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS

		5530	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5610	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5775	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	20000	3.861004	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	20000	3.861004	20	PASS
		5200	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.846154	20	PASS
			NV	-10	-20000	-3.846154	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.846154	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5240	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.816794	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	20000	3.816794	20	PASS
			NV	20	-20000	-3.816794	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	20000	3.816794	20	PASS
		5260	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.802281	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5280	NV	-30	-20000	-3.787879	20	PASS
			NV	-20	0	0	20	PASS

			NV	-10	-20000	-3.787879	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.787879	20	PASS
			NV	20	-20000	-3.787879	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-20000	-3.787879	20	PASS
			NV	50	0	0	20	PASS
		5320	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	20000	3.759398	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.759398	20	PASS
		5500	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	20000	3.636364	20	PASS
			NV	50	0	0	20	PASS
		5580	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	20000	3.584229	20	PASS
			NV	50	-20000	-3.584229	20	PASS
		5700	NV	-30	-20000	-3.508772	20	PASS
			NV	-20	-20000	-3.508772	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.508772	20	PASS
			NV	20	-20000	-3.508772	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.508772	20	PASS
		5745	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS

			NV	50	0	0	20	PASS
		5785	NV	-30	20000	3.457217	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	20000	3.457217	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5825	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.433476	20	PASS
			NV	-10	20000	3.433476	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.433476	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
11N20 SISO	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5200	NV	-30	0	0	20	PASS
			NV	-20	20000	3.846154	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-20000	-3.846154	20	PASS
			NV	40	-20000	-3.846154	20	PASS
			NV	50	0	0	20	PASS
		5240	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.816794	20	PASS
		5260	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS

			NV	20	-20000	-3.802281	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5280	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.787879	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-20000	-3.787879	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.787879	20	PASS
		5320	NV	-30	-20000	-3.759398	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.759398	20	PASS
			NV	10	-20000	-3.759398	20	PASS
			NV	20	0	0	20	PASS
			NV	30	20000	3.759398	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5500	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	20000	3.636364	20	PASS
			NV	30	20000	3.636364	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5580	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.584229	20	PASS
			NV	-10	-20000	-3.584229	20	PASS
			NV	0	-20000	-3.584229	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.584229	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5700	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-40000	-7.017544	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-20000	-3.508772	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.508772	20	PASS
		5745	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS

			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.481288	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5785	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.457217	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5825	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.433476	20	PASS
			NV	-10	-20000	-3.433476	20	PASS
			NV	0	-20000	-3.433476	20	PASS
			NV	10	-20000	-3.433476	20	PASS
			NV	20	-20000	-3.433476	20	PASS
			NV	30	-20000	-3.433476	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
11N40 SISO	Ant1	5190	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	40000	7.707129	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-40000	-7.707129	20	PASS
			NV	50	0	0	20	PASS
		5230	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5270	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	40000	7.590133	20	PASS
			NV	40	0	0	20	PASS

			NV	50	0	0	20	PASS
		5310	NV	-30	40000	7.532957	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-40000	-7.532957	20	PASS
			NV	50	0	0	20	PASS
		5510	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	-40000	-7.259528	20	PASS
			NV	0	-40000	-7.259528	20	PASS
			NV	10	-40000	-7.259528	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5550	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-40000	-7.207207	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5670	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-40000	-7.054674	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	40000	7.054674	20	PASS
		5755	NV	-30	-40000	-6.950478	20	PASS
			NV	-20	-40000	-6.950478	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-40000	-6.950478	20	PASS
			NV	10	-40000	-6.950478	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5795	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS

			NV	20	-40000	-6.902502	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
11AC20 SISO	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	-40000	-7.722008	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.861004	20	PASS
			NV	10	0	0	20	PASS
			NV	20	20000	3.861004	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5200	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.846154	20	PASS
			NV	20	-20000	-3.846154	20	PASS
			NV	30	-20000	-3.846154	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.846154	20	PASS
		5240	NV	-30	-20000	-3.816794	20	PASS
			NV	-20	-20000	-3.816794	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-20000	-3.816794	20	PASS
			NV	50	0	0	20	PASS
		5260	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.802281	20	PASS
			NV	-10	-20000	-3.802281	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-40000	-7.604563	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5280	NV	-30	-20000	-3.787879	20	PASS
			NV	-20	-20000	-3.787879	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5320	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS

			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.759398	20	PASS
			NV	10	-20000	-3.759398	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.759398	20	PASS
		5500	NV	-30	20000	3.636364	20	PASS
			NV	-20	-20000	-3.636364	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.636364	20	PASS
		5580	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.584229	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-20000	-3.584229	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.584229	20	PASS
		5700	NV	-30	-20000	-3.508772	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.508772	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-20000	-3.508772	20	PASS
			NV	40	-20000	-3.508772	20	PASS
			NV	50	-20000	-3.508772	20	PASS
		5745	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	-20000	-3.481288	20	PASS
			NV	0	-20000	-3.481288	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.481288	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-20000	-3.481288	20	PASS
			NV	50	0	0	20	PASS
		5785	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.457217	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	20000	3.457217	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS

			NV	50	0	0	20	PASS
		5825	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	20000	3.433476	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.433476	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-20000	-3.433476	20	PASS
			NV	50	0	0	20	PASS
11AC40 SISO	Ant1	5190	NV	-30	-40000	-7.707129	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5230	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5270	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5310	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5510	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS

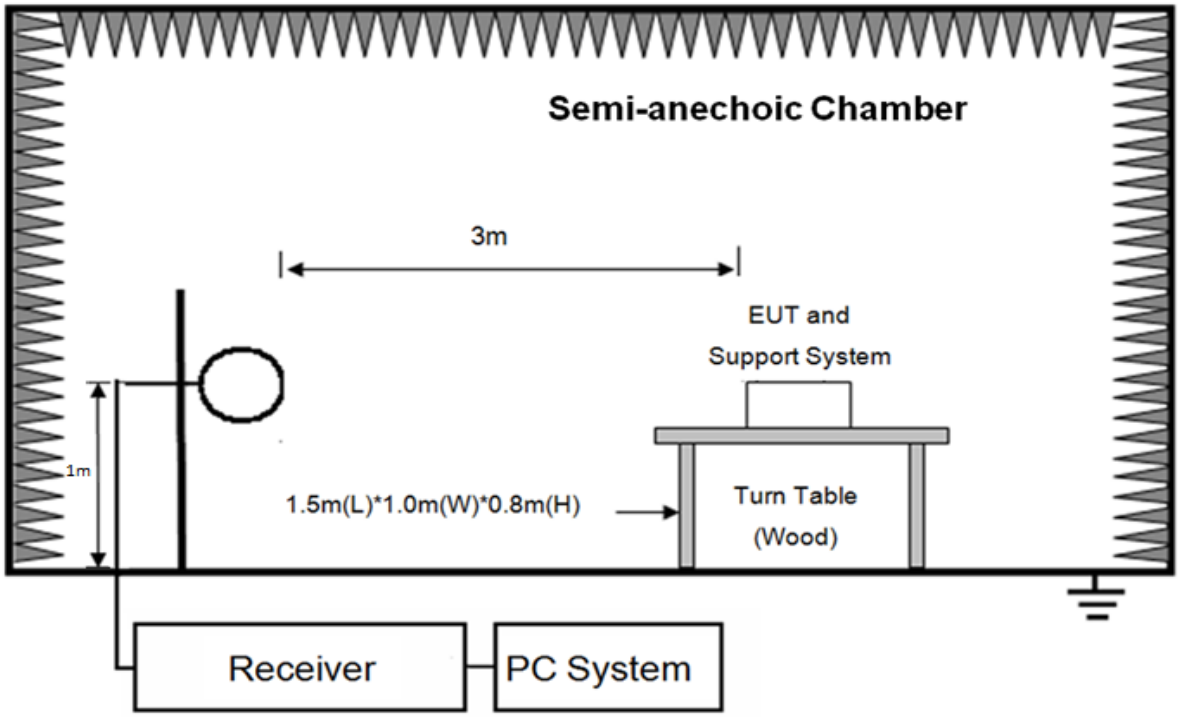
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5550	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	40000	7.207207	20	PASS
			NV	50	40000	7.207207	20	PASS
		5670	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5755	NV	-30	-40000	-6.950478	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5795	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-40000	-6.902502	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
11AC80 SISO	Ant1	5210	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5290	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS

			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5530	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5610	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5775	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS

8. Emissions in restricted frequency bands

8.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz – 1 GHz: