

FCC AND ISED CERTIFICATION TEST REPORT

FOR

Applicant	:	Harman International Industries, Inc.
Address	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES
Equipment under Test	:	Multi-Channel Soundbar
Model No.	:	BAR 300
Trade Mark	:	JBL
FCC ID	:	APIBAR300
IC	:	6132A-BAR300
Manufacturer	:	Harman International Industries, Inc.
Address	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES

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

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REPORT

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Test Report Declare

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Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E, 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-R21123008-2E04		
Date of Receipt:	Jan. 25, 2022	Date of Test:	Jan. 25, 2022 ~ Apr. 25, 2022

Prepared By:

Ella Gong

Ella Gong/Engineer

Approved By:



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	Apr. 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	Results
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) RSS-247 Clause 6.2 RSS-GEN Clause 8.9	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	: Multi-Channel Soundbar
Model Number	: BAR 300
EUT function description	: Please reference user manual of this device
Power Supply	: Input: 100-240V ~ 50/60Hz 60W
Radio Technology	: IEEE 802.11a/n/ac/ax
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 VHT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5700MHz, 5745MHz-5825MHz IEEE 802.11ac VVHT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5670MHz, 5755MHz-5755MHz IEEE 802.11ac HT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5775MHz IEEE 802.11ax HE20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5700MHz, 5745MHz-5825MHz IEEE 802.11ax HE40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5670MHz, 5755MHz-5755MHz IEEE 802.11ax HE80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5775MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Transmitter rate	: IEEE 802.11a: up to 54 Mbps IEEE 802.11n HT20: up to 144.4 Mbps IEEE 802.11n HT40: up to 300 Mbps IEEE 802.11ac VHT20: up to 173.4 Mbps IEEE 802.11ac VHT40: up to 400 Mbps IEEE 802.11ac VHT80: up to 866.6 Mbps IEEE 802.11ax HE20: up to 286.8 Mbps IEEE 802.11ax HE40: up to 573.5 Mbps IEEE 802.11ax HE80: up to 1201 Mbps
Antenna Type	: Antenna 1: FPC antenna, Maximum PK gain: 3.47 dBi Antenna 2: FPC antenna, Maximum PK gain: 3.85 dBi
Sample Type	: Series production
Sample Number	: S21123008-01 for conductive S21123008-02 for radiation

Note 1: EUT is the ab. of equipment under test.

Note 2: Band 5600-5650MHz will be disabled when shipped to Canada.

Antenna information			
	Ant1 gain	Ant2 gain	MIMO
IEEE 802.11a	3.47	3.85	/
IEEE 802.11n HT20	3.47	3.85	6.67
IEEE 802.11n HT40	3.47	3.85	6.67
IEEE 802.11ac VHT20	3.47	3.85	6.67
IEEE 802.11ac VHT40	3.47	3.85	6.67
IEEE 802.11ac VHT80	3.47	3.85	6.67
IEEE 802.11ax HE20	3.47	3.85	6.67
IEEE 802.11ax HE40	3.47	3.85	6.67
IEEE 802.11ax HE80	3.47	3.85	6.67

Channel information					
IEEE 802.11a		IEEE 802.11n (HT40)		IEEE 802.11ac (VHT80)	
IEEE 802.11n (HT20)		IEEE 802.11ac (VHT40)		IEEE 802.11ax (HE80)	
IEEE 802.11ac (VHT20)		IEEE 802.11ax (HE40)			
IEEE 802.11ax (HE20)					
UNII-1					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/
UNII-2A					
52	5260	54	5270	58	5290
56	5280	62	5310	/	/
60	5300	/	/	/	/
64	5320	/	/	/	/
UNII-2C					
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	/	/
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	/	/	/	/
124	5620	/	/	/	/
128	5640	/	/	/	/
132	5660	/	/	/	/
134	5680	/	/	/	/
140	5700	/	/	/	/
UNII-3					
149	5745	151	5755	155	5725
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/

Operating Mode	Resource Unit	26 Tone(2M)		
IEEE 802.11ax(HE20)	Specific Resource Unit	0		
		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
	9			
	Resource Unit		52 Tone(4M)	
	Specific Resource Unit	37		
		38		
		39		
		40		
	Resource Unit		106 Tone(8M)	
Specific Resource Unit	53			
	54			
Resource Unit		242 Tone(20M)		
Specific Resource Unit		61		
Operating Mode	Resource Unit	26 Tone(2M)		
IEEE 802.11ax(HE40)	Specific Resource Unit	0	9	
		1	10	
		2	11	
		3	12	
		4	13	
		5	14	
		6	15	
		7	16	
		8	17	
	Resource Unit		52 Tone(4M)	
	Specific Resource Unit	37	41	
		38	42	
		39	43	
		40	44	
	Resource Unit		106 Tone(8M)	
	Specific Resource Unit	53	55	
54		56		
Resource Unit		242 Tone(20M)		
Specific Resource Unit		61	62	
Resource Unit		484 Tone(40M)		
Specific Resource Unit		65		
Operating Mode	Resource Unit	26 Tone(2M)		
IEEE 802.11ax(HE80)	Specific Resource Unit	0	19	
		1	20	
		2	21	
		3	22	
		4	23	
		5	24	

		6	25
		7	26
		8	27
		9	28
		10	29
		11	30
		12	31
		13	32
		14	33
		15	34
		16	35
		17	36
		18	
	Resource Unit	52 Tone(4M)	
	Specific Resource Unit	37	45
		38	46
		39	47
		40	48
		41	49
		42	50
		43	51
	44	52	
	Resource Unit	106 Tone(8M)	
	Specific Resource Unit	53	57
		54	58
		55	59
		56	60
	Resource Unit	242 Tone(20M)	
	Specific Resource Unit	61	62
		63	64
	Resource Unit	484 Tone(40M)	
	Specific Resource Unit	65	66
	Resource Unit	996 Tone(80M)	
	Specific Resource Unit	67	

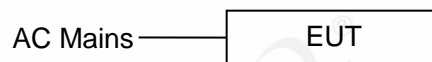
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
HDMI cable	Harman	N/A	N/A	Length: 1.17m, shielded, with two magnetic rings
Remote control	Harman	N/A	N/A	N/A
AC cable	Harman	N/A	N/A	Length: 1.40m, unshielded

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

2.4. Block diagram of EUT configuration for test



Test software: adb.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Tested mode, channel, and data rate information				
Mode	Setting Tx Power	data rate (Mbps) (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
IEEE 802.11ac HT20	/	MCS 0	High: CH159	5795
	/	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
IEEE 802.11ac HT40	/	MCS 0	Middle: CH157	5785
	/	MCS 0	High: CH165	5825
	/	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
IEEE 802.11ac HT80	/	MCS 0	Low: CH134	5670
	/	MCS 0	Middle: CH151	5755
	/	MCS 0	High: CH159	5795
	/	MCS 0	CH42	5210
	/	MCS 0	CH58	5290
IEEE 802.11ax HE20	/	MCS 0	CH106	5530
	/	MCS 0	CH122	5610
	/	MCS 0	CH155	5775
	7	MCS 0	Low: CH36	5180
	7	MCS 0	Middle: CH40	5200
	7	MCS 0	High: CH48	5240
	10	MCS 0	Low: CH52	5260
	10	MCS 0	Middle: CH56	5280
	10	MCS 0	High: CH64	5320
10	MCS 0	Low: CH100	5500	
10	MCS 0	Middle: CH116	5580	
10	MCS 0	High: CH140	5700	
10	MCS 0	Low: CH149	5745	

	10	MCS 0	Middle: CH157	5785
	10	MCS 0	High: CH165	5825
IEEE 802.11ax HE40	8	MCS 0	Low: CH38	5190
	8	MCS 0	Middle: CH46	5230
	10	MCS 0	High: CH54	5270
	10	MCS 0	Low: CH62	5310
	10	MCS 0	Middle: CH102	5510
	10	MCS 0	High: CH110	5550
	10	MCS 0	Low: CH134	5670
	10	MCS 0	Middle: CH151	5755
	10	MCS 0	High: CH159	5795
IEEE 802.11ax HE80	8	MCS 0	CH42	5210
	10	MCS 0	CH58	5290
	10	MCS 0	CH106	5530
	10	MCS 0	CH122	5610
	10	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°C
Humidity range:	40-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Addr.: 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 x 10 ⁻⁸ (Antenna couple method)
	5.5 x 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)	3x10 ⁻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)

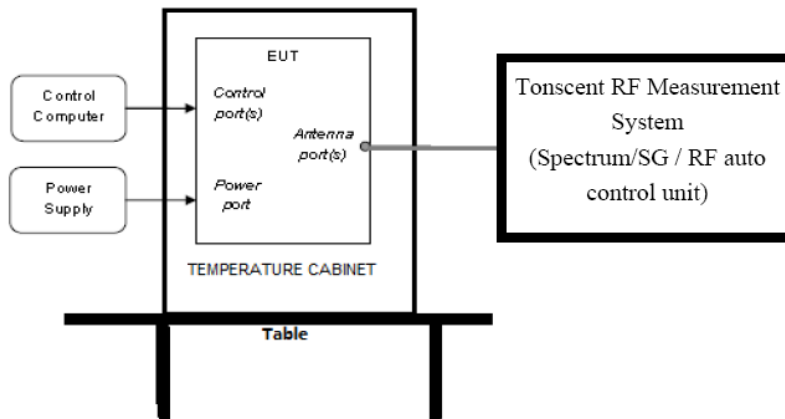
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☑RF Connected Test (Tonscend RF Measurement System 4#)					
MXA Signal Analyzer	Agilent	N9020A	MY49100362	Sep. 02, 2021	1 Year
Wideband Radio Communication tester	R&S	CMW500	120259	Jun. 01, 2021	1 Year
MXG Vector Signal Generator	Agilent	N5182B	MY59100192	Jun. 01, 2021	1 Year
Vector Signal Generator	Agilent	E8267D	US49060192	Sep. 18, 2021	1 Year
RF Control Unit	Tonsend	JS0806-2	2118060485	Oct. 18, 2021	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	Jun. 01, 2021	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.2.6.88.0330	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. 15, 2021 Apr. 11, 2022	1 Year
Test software	Audix	E3	V 6.1.1.1	N/A	N/A
☑Power Line Conducted Emissions Test 1#					
Test Receiver	R&S	ESCI	100551	Sep. 02, 2021	1 Year
LISN 1	R&S	ENV216	101109	Sep. 02, 2021	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 02, 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
LISN 3	SCHWARZBECK	NSLK 8163	00017	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 center 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	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.28	5170.840	5189.120	---	PASS
	Ant2	5180	18.36	5170.800	5189.160	---	PASS
	Ant1	5200	18.32	5190.760	5209.080	---	PASS
	Ant2	5200	18.28	5190.800	5209.080	---	PASS
	Ant1	5240	16.88	5231.560	5248.440	---	PASS
	Ant2	5240	16.88	5231.560	5248.440	---	PASS
	Ant1	5260	18.24	5250.840	5269.080	---	PASS
	Ant2	5260	18.2	5250.920	5269.120	---	PASS
	Ant1	5280	18.24	5270.800	5289.040	---	PASS
	Ant2	5280	18.16	5270.880	5289.040	---	PASS
	Ant1	5320	18.24	5310.760	5329.000	---	PASS
	Ant2	5320	18.28	5310.760	5329.040	---	PASS
	Ant1	5500	18.36	5490.800	5509.160	---	PASS
	Ant2	5500	18.4	5490.760	5509.160	---	PASS
	Ant1	5580	18.16	5570.840	5589.000	---	PASS
	Ant2	5580	18.2	5570.760	5588.960	---	PASS
	Ant1	5700	18.4	5690.720	5709.120	---	PASS
	Ant2	5700	18.4	5690.680	5709.080	---	PASS
	Ant1	5745	18.24	5735.880	5754.120	---	PASS
	Ant2	5745	18.24	5735.920	5754.160	---	PASS
Ant1	5785	18.28	5775.840	5794.120	---	PASS	
Ant2	5785	18.2	5775.840	5794.040	---	PASS	
Ant1	5825	18.24	5815.760	5834.000	---	PASS	
Ant2	5825	18.24	5815.760	5834.000	---	PASS	
11N20MIMO	Ant1	5180	18.8	5170.640	5189.440	---	PASS
	Ant2	5180	18.08	5171.000	5189.080	---	PASS
	Ant1	5200	18.8	5190.600	5209.400	---	PASS
	Ant2	5200	18.04	5191.000	5209.040	---	PASS
	Ant1	5240	17.72	5231.120	5248.840	---	PASS
	Ant2	5240	17.52	5231.240	5248.760	---	PASS
	Ant1	5260	18.84	5250.560	5269.400	---	PASS
	Ant2	5260	17.96	5251.080	5269.040	---	PASS
	Ant1	5280	18.84	5270.520	5289.360	---	PASS
	Ant2	5280	18	5271.040	5289.040	---	PASS
	Ant1	5320	18.76	5310.560	5329.320	---	PASS
	Ant2	5320	18.08	5310.960	5329.040	---	PASS
	Ant1	5500	18.88	5490.600	5509.480	---	PASS
	Ant2	5500	18.16	5490.960	5509.120	---	PASS
	Ant1	5580	18.76	5570.560	5589.320	---	PASS
	Ant2	5580	17.96	5571.080	5589.040	---	PASS
	Ant1	5700	18.76	5690.600	5709.360	---	PASS
	Ant2	5700	18.04	5691.000	5709.040	---	PASS
	Ant1	5745	18.76	5735.680	5754.440	---	PASS
	Ant2	5745	18	5736.080	5754.080	---	PASS
Ant1	5785	18.8	5775.600	5794.400	---	PASS	
Ant2	5785	17.96	5776.040	5794.000	---	PASS	
Ant1	5825	18.92	5815.400	5834.320	---	PASS	

	Ant2	5825	17.96	5816.000	5833.960	---	PASS
11N40MIMO	Ant1	5190	36.08	5172.000	5208.080	---	PASS
	Ant2	5190	36.32	5171.840	5208.160	---	PASS
	Ant1	5230	36.08	5212.000	5248.080	---	PASS
	Ant2	5230	36.32	5211.840	5248.160	---	PASS
	Ant1	5270	36	5252.000	5288.000	---	PASS
	Ant2	5270	36.24	5251.920	5288.160	---	PASS
	Ant1	5310	36	5292.000	5328.000	---	PASS
	Ant2	5310	36.24	5291.920	5328.160	---	PASS
	Ant1	5510	36.08	5492.000	5528.080	---	PASS
	Ant2	5510	36.56	5491.760	5528.320	---	PASS
	Ant1	5550	36.16	5531.920	5568.080	---	PASS
	Ant2	5550	36.48	5531.760	5568.240	---	PASS
	Ant1	5670	36.08	5651.920	5688.000	---	PASS
	Ant2	5670	36.32	5651.760	5688.080	---	PASS
	Ant1	5755	36	5737.000	5773.000	---	PASS
	Ant2	5755	36.24	5736.920	5773.160	---	PASS
	Ant1	5795	36	5777.000	5813.000	---	PASS
	Ant2	5795	36.32	5776.840	5813.160	---	PASS
11AC20MIMO	Ant1	5180	18.76	5170.640	5189.400	---	PASS
	Ant2	5180	18	5171.040	5189.040	---	PASS
	Ant1	5200	19	5190.480	5209.480	---	PASS
	Ant2	5200	18.08	5191.000	5209.080	---	PASS
	Ant1	5240	17.8	5231.080	5248.880	---	PASS
	Ant2	5240	17.56	5231.200	5248.760	---	PASS
	Ant1	5260	18.8	5250.600	5269.400	---	PASS
	Ant2	5260	18.04	5251.080	5269.120	---	PASS
	Ant1	5280	18.8	5270.560	5289.360	---	PASS
	Ant2	5280	17.96	5271.040	5289.000	---	PASS
	Ant1	5320	18.72	5310.560	5329.280	---	PASS
	Ant2	5320	18	5311.000	5329.000	---	PASS
	Ant1	5500	19	5490.440	5509.440	---	PASS
	Ant2	5500	18.12	5490.960	5509.080	---	PASS
	Ant1	5580	18.76	5570.520	5589.280	---	PASS
	Ant2	5580	17.96	5571.000	5588.960	---	PASS
	Ant1	5700	18.72	5690.600	5709.320	---	PASS
	Ant2	5700	17.96	5691.040	5709.000	---	PASS
	Ant1	5745	18.64	5735.680	5754.320	---	PASS
	Ant2	5745	17.96	5736.080	5754.040	---	PASS
	Ant1	5785	18.8	5775.640	5794.440	---	PASS
	Ant2	5785	17.96	5776.040	5794.000	---	PASS
	Ant1	5825	18.88	5815.480	5834.360	---	PASS
	Ant2	5825	17.96	5816.000	5833.960	---	PASS
11AC40MIMO	Ant1	5190	36.08	5172.000	5208.080	---	PASS
	Ant2	5190	36.32	5171.840	5208.160	---	PASS
	Ant1	5230	36.08	5212.000	5248.080	---	PASS
	Ant2	5230	36.32	5211.840	5248.160	---	PASS
	Ant1	5270	36	5252.000	5288.000	---	PASS
	Ant2	5270	36.16	5252.000	5288.160	---	PASS
	Ant1	5310	36	5292.000	5328.000	---	PASS
	Ant2	5310	36.24	5291.920	5328.160	---	PASS

	Ant1	5510	36.08	5492.000	5528.080	---	PASS
	Ant2	5510	36.48	5491.840	5528.320	---	PASS
	Ant1	5550	36.16	5531.920	5568.080	---	PASS
	Ant2	5550	36.4	5531.840	5568.240	---	PASS
	Ant1	5670	36.08	5651.920	5688.000	---	PASS
	Ant2	5670	36.32	5651.760	5688.080	---	PASS
	Ant1	5755	36.08	5737.000	5773.080	---	PASS
	Ant2	5755	36.4	5736.840	5773.240	---	PASS
	Ant1	5795	36	5777.000	5813.000	---	PASS
	Ant2	5795	36.32	5776.840	5813.160	---	PASS
11AC80MIMO	Ant1	5210	75.2	5172.400	5247.600	---	PASS
	Ant2	5210	75.2	5172.560	5247.760	---	PASS
	Ant1	5290	75.36	5252.240	5327.600	---	PASS
	Ant2	5290	75.04	5252.560	5327.600	---	PASS
	Ant1	5530	75.52	5492.240	5567.760	---	PASS
	Ant2	5530	75.2	5492.560	5567.760	---	PASS
	Ant1	5610	75.52	5572.240	5647.760	---	PASS
	Ant2	5610	75.2	5572.400	5647.600	---	PASS
	Ant1	5775	75.52	5737.240	5812.760	---	PASS
	Ant2	5775	75.04	5737.560	5812.600	---	PASS
11AX20SU	Ant1	5180	19.2	5170.400	5189.600	---	PASS
	Ant2	5180	19.12	5170.440	5189.560	---	PASS
	Ant1	5200	19.2	5190.400	5209.600	---	PASS
	Ant2	5200	19.12	5190.440	5209.560	---	PASS
	Ant1	5240	18.88	5230.560	5249.440	---	PASS
	Ant2	5240	18.84	5230.560	5249.400	---	PASS
	Ant1	5260	19.24	5250.400	5269.640	---	PASS
	Ant2	5260	19.12	5250.440	5269.560	---	PASS
	Ant1	5280	19.2	5270.400	5289.600	---	PASS
	Ant2	5280	19.12	5270.400	5289.520	---	PASS
	Ant1	5320	19.2	5310.400	5329.600	---	PASS
	Ant2	5320	19.16	5310.400	5329.560	---	PASS
	Ant1	5500	19.24	5490.400	5509.640	---	PASS
	Ant2	5500	19.2	5490.400	5509.600	---	PASS
	Ant1	5580	19.2	5570.360	5589.560	---	PASS
	Ant2	5580	19.12	5570.400	5589.520	---	PASS
	Ant1	5700	19.24	5690.360	5709.600	---	PASS
	Ant2	5700	19.12	5690.400	5709.520	---	PASS
	Ant1	5745	19.2	5735.400	5754.600	---	PASS
	Ant2	5745	19.16	5735.440	5754.600	---	PASS
	Ant1	5785	19.2	5775.400	5794.600	---	PASS
	Ant2	5785	19.2	5775.400	5794.600	---	PASS
	Ant1	5825	19.2	5815.360	5834.560	---	PASS
	Ant2	5825	19.2	5815.360	5834.560	---	PASS
11AX40SU	Ant1	5190	37.68	5171.200	5208.880	---	PASS
	Ant2	5190	37.68	5171.200	5208.880	---	PASS
	Ant1	5230	37.68	5211.200	5248.880	---	PASS
	Ant2	5230	37.84	5211.120	5248.960	---	PASS
	Ant1	5270	37.76	5251.120	5288.880	---	PASS
	Ant2	5270	37.68	5251.200	5288.880	---	PASS
Ant1	5310	37.76	5291.120	5328.880	---	PASS	

	Ant2	5310	37.76	5291.120	5328.880	---	PASS
	Ant1	5510	37.68	5491.200	5528.880	---	PASS
	Ant2	5510	37.76	5491.120	5528.880	---	PASS
	Ant1	5550	37.76	5531.120	5568.880	---	PASS
	Ant2	5550	37.76	5531.120	5568.880	---	PASS
	Ant1	5670	37.68	5651.120	5688.800	---	PASS
	Ant2	5670	37.76	5651.120	5688.880	---	PASS
	Ant1	5755	37.6	5736.200	5773.800	---	PASS
	Ant2	5755	37.68	5736.200	5773.880	---	PASS
	Ant1	5795	37.6	5776.200	5813.800	---	PASS
	Ant2	5795	37.76	5776.120	5813.880	---	PASS
	11AX80SU	Ant1	5210	77.12	5171.440	5248.560	---
Ant2		5210	76.96	5171.600	5248.560	---	PASS
Ant1		5290	76.96	5251.440	5328.400	---	PASS
Ant2		5290	76.96	5251.600	5328.560	---	PASS
Ant1		5530	76.96	5491.600	5568.560	---	PASS
Ant2		5530	77.12	5491.440	5568.560	---	PASS
Ant1		5610	77.12	5571.600	5648.720	---	PASS
Ant2		5610	77.12	5571.440	5648.560	---	PASS
Ant1		5775	76.8	5736.600	5813.400	---	PASS
Ant2		5775	76.64	5736.760	5813.400	---	PASS

Note: according exploratory explorer test, for 802.11ax Mode, Specific Resource Unit have no distinct influence on 99% OBW, so for 99% OBW, the final test was only performed with EUT working in 802.11ax SU mode.

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	26.000	5166.680	5192.680	---	PASS
	Ant2	5180	26.120	5166.640	5192.760	---	PASS
	Ant1	5200	27.160	5185.640	5212.800	---	PASS
	Ant2	5200	25.880	5186.680	5212.560	---	PASS
	Ant1	5240	19.920	5230.040	5249.960	---	PASS
	Ant2	5240	19.920	5230.000	5249.920	---	PASS
	Ant1	5260	25.960	5247.000	5272.960	---	PASS
	Ant2	5260	25.400	5247.280	5272.680	---	PASS
	Ant1	5280	25.520	5267.000	5292.520	---	PASS
	Ant2	5280	25.640	5267.280	5292.920	---	PASS
	Ant1	5320	27.240	5306.040	5333.280	---	PASS
	Ant2	5320	26.640	5306.080	5332.720	---	PASS
	Ant1	5500	26.680	5486.680	5513.360	---	PASS
	Ant2	5500	26.840	5486.560	5513.400	---	PASS
	Ant1	5580	25.560	5567.320	5592.880	---	PASS
	Ant2	5580	25.560	5567.120	5592.680	---	PASS
	Ant1	5700	26.080	5686.640	5712.720	---	PASS
	Ant2	5700	26.760	5686.560	5713.320	---	PASS
	Ant1	5745	25.680	5732.320	5758.000	---	PASS
	Ant2	5745	26.320	5731.880	5758.200	---	PASS
Ant1	5785	25.520	5772.320	5797.840	---	PASS	
Ant2	5785	26.160	5771.560	5797.720	---	PASS	

	Ant1	5825	25.760	5811.880	5837.640	---	PASS
	Ant2	5825	26.880	5811.480	5838.360	---	PASS
11N20MIMO	Ant1	5180	27.360	5166.280	5193.640	---	PASS
	Ant2	5180	26.240	5166.320	5192.560	---	PASS
	Ant1	5200	26.720	5186.640	5213.360	---	PASS
	Ant2	5200	24.760	5187.720	5212.480	---	PASS
	Ant1	5240	20.360	5229.800	5250.160	---	PASS
	Ant2	5240	20.080	5230.000	5250.080	---	PASS
	Ant1	5260	26.440	5246.880	5273.320	---	PASS
	Ant2	5260	24.240	5248.280	5272.520	---	PASS
	Ant1	5280	26.800	5266.840	5293.640	---	PASS
	Ant2	5280	24.120	5268.120	5292.240	---	PASS
	Ant1	5320	27.160	5306.480	5333.640	---	PASS
	Ant2	5320	24.600	5307.800	5332.400	---	PASS
	Ant1	5500	28.920	5486.520	5515.440	---	PASS
	Ant2	5500	26.280	5486.320	5512.600	---	PASS
	Ant1	5580	26.320	5566.520	5592.840	---	PASS
	Ant2	5580	23.800	5568.560	5592.360	---	PASS
	Ant1	5700	27.280	5685.760	5713.040	---	PASS
	Ant2	5700	25.000	5687.800	5712.800	---	PASS
	Ant1	5745	26.720	5731.800	5758.520	---	PASS
	Ant2	5745	23.960	5733.600	5757.560	---	PASS
Ant1	5785	26.400	5771.880	5798.280	---	PASS	
Ant2	5785	23.880	5773.080	5796.960	---	PASS	
Ant1	5825	26.640	5811.600	5838.240	---	PASS	
Ant2	5825	24.400	5812.840	5837.240	---	PASS	
11N40MIMO	Ant1	5190	40.960	5169.680	5210.640	---	PASS
	Ant2	5190	40.000	5169.920	5209.920	---	PASS
	Ant1	5230	40.640	5209.680	5250.320	---	PASS
	Ant2	5230	39.840	5210.080	5249.920	---	PASS
	Ant1	5270	40.800	5249.600	5290.400	---	PASS
	Ant2	5270	39.680	5250.320	5290.000	---	PASS
	Ant1	5310	40.640	5289.600	5330.240	---	PASS
	Ant2	5310	40.000	5290.080	5330.080	---	PASS
	Ant1	5510	40.800	5489.600	5530.400	---	PASS
	Ant2	5510	40.400	5489.760	5530.160	---	PASS
	Ant1	5550	40.960	5529.520	5570.480	---	PASS
	Ant2	5550	40.080	5530.000	5570.080	---	PASS
	Ant1	5670	40.800	5649.520	5690.320	---	PASS
	Ant2	5670	39.920	5649.920	5689.840	---	PASS
	Ant1	5755	40.480	5734.840	5775.320	---	PASS
	Ant2	5755	39.840	5735.160	5775.000	---	PASS
	Ant1	5795	40.640	5774.600	5815.240	---	PASS
	Ant2	5795	39.680	5775.080	5814.760	---	PASS
11AC20MIMO	Ant1	5180	27.080	5166.520	5193.600	---	PASS
	Ant2	5180	25.600	5168.200	5193.800	---	PASS
	Ant1	5200	34.400	5183.840	5218.240	---	PASS
	Ant2	5200	29.960	5188.160	5218.120	---	PASS
	Ant1	5240	20.400	5229.800	5250.200	---	PASS
	Ant2	5240	20.000	5230.000	5250.000	---	PASS
	Ant1	5260	26.440	5246.880	5273.320	---	PASS

	Ant2	5260	24.000	5248.600	5272.600	---	PASS
	Ant1	5280	26.840	5266.960	5293.800	---	PASS
	Ant2	5280	24.640	5267.560	5292.200	---	PASS
	Ant1	5320	26.760	5306.840	5333.600	---	PASS
	Ant2	5320	24.040	5308.400	5332.440	---	PASS
	Ant1	5500	30.960	5483.320	5514.280	---	PASS
	Ant2	5500	26.600	5486.320	5512.920	---	PASS
	Ant1	5580	26.160	5566.720	5592.880	---	PASS
	Ant2	5580	24.480	5567.720	5592.200	---	PASS
	Ant1	5700	26.480	5686.560	5713.040	---	PASS
	Ant2	5700	23.600	5688.320	5711.920	---	PASS
	Ant1	5745	26.280	5732.440	5758.720	---	PASS
	Ant2	5745	23.760	5733.480	5757.240	---	PASS
	Ant1	5785	26.520	5772.200	5798.720	---	PASS
	Ant2	5785	23.760	5773.440	5797.200	---	PASS
	Ant1	5825	27.000	5811.520	5838.520	---	PASS
Ant2	5825	24.360	5812.840	5837.200	---	PASS	
11AC40MIMO	Ant1	5190	40.480	5169.840	5210.320	---	PASS
	Ant2	5190	39.840	5170.000	5209.840	---	PASS
	Ant1	5230	40.560	5209.760	5250.320	---	PASS
	Ant2	5230	39.840	5210.080	5249.920	---	PASS
	Ant1	5270	40.480	5249.760	5290.240	---	PASS
	Ant2	5270	39.840	5250.000	5289.840	---	PASS
	Ant1	5310	40.320	5289.840	5330.160	---	PASS
	Ant2	5310	39.760	5290.080	5329.840	---	PASS
	Ant1	5510	40.720	5489.760	5530.480	---	PASS
	Ant2	5510	40.160	5490.000	5530.160	---	PASS
	Ant1	5550	40.960	5529.520	5570.480	---	PASS
	Ant2	5550	40.080	5530.000	5570.080	---	PASS
	Ant1	5670	40.560	5649.680	5690.240	---	PASS
	Ant2	5670	39.840	5650.000	5689.840	---	PASS
	Ant1	5755	40.800	5734.680	5775.480	---	PASS
	Ant2	5755	40.240	5734.840	5775.080	---	PASS
Ant1	5795	40.640	5774.680	5815.320	---	PASS	
Ant2	5795	39.840	5775.000	5814.840	---	PASS	
11AC80MIMO	Ant1	5210	80.800	5169.680	5250.480	---	PASS
	Ant2	5210	80.000	5170.000	5250.000	---	PASS
	Ant1	5290	80.960	5249.520	5330.480	---	PASS
	Ant2	5290	80.000	5250.160	5330.160	---	PASS
	Ant1	5530	80.960	5489.520	5570.480	---	PASS
	Ant2	5530	80.160	5490.000	5570.160	---	PASS
	Ant1	5610	80.640	5569.680	5650.320	---	PASS
	Ant2	5610	80.160	5570.000	5650.160	---	PASS
	Ant1	5775	80.480	5734.840	5815.320	---	PASS
	Ant2	5775	80.000	5735.000	5815.000	---	PASS
11AX20SU	Ant1	5180	22.280	5169.000	5191.280	---	PASS
	Ant2	5180	25.600	5168.160	5193.760	---	PASS
	Ant1	5200	25.440	5186.760	5212.200	---	PASS
	Ant2	5200	27.040	5188.200	5215.240	---	PASS
	Ant1	5240	20.040	5229.960	5250.000	---	PASS
	Ant2	5240	20.000	5230.000	5250.000	---	PASS

	Ant1	5260	25.360	5247.360	5272.720	---	PASS
	Ant2	5260	24.400	5247.600	5272.000	---	PASS
	Ant1	5280	26.920	5265.880	5292.800	---	PASS
	Ant2	5280	23.600	5267.800	5291.400	---	PASS
	Ant1	5320	25.120	5307.400	5332.520	---	PASS
	Ant2	5320	22.600	5308.720	5331.320	---	PASS
	Ant1	5500	31.200	5486.440	5517.640	---	PASS
	Ant2	5500	24.120	5487.640	5511.760	---	PASS
	Ant1	5580	23.320	5568.000	5591.320	---	PASS
	Ant2	5580	23.280	5568.240	5591.520	---	PASS
	Ant1	5700	25.800	5687.640	5713.440	---	PASS
	Ant2	5700	25.680	5686.080	5711.760	---	PASS
	Ant1	5745	30.000	5733.440	5763.440	---	PASS
	Ant2	5745	23.160	5733.360	5756.520	---	PASS
	Ant1	5785	23.840	5772.240	5796.080	---	PASS
	Ant2	5785	23.840	5773.560	5797.400	---	PASS
	Ant1	5825	29.960	5806.840	5836.800	---	PASS
	Ant2	5825	25.320	5811.120	5836.440	---	PASS
11AX40SU	Ant1	5190	39.920	5170.000	5209.920	---	PASS
	Ant2	5190	39.920	5170.000	5209.920	---	PASS
	Ant1	5230	39.840	5210.080	5249.920	---	PASS
	Ant2	5230	39.920	5210.000	5249.920	---	PASS
	Ant1	5270	39.920	5250.080	5290.000	---	PASS
	Ant2	5270	39.920	5250.000	5289.920	---	PASS
	Ant1	5310	39.840	5290.080	5329.920	---	PASS
	Ant2	5310	39.920	5290.000	5329.920	---	PASS
	Ant1	5510	39.920	5490.080	5530.000	---	PASS
	Ant2	5510	40.000	5490.000	5530.000	---	PASS
	Ant1	5550	39.920	5530.000	5569.920	---	PASS
	Ant2	5550	40.080	5530.000	5570.080	---	PASS
	Ant1	5670	40.000	5649.920	5689.920	---	PASS
	Ant2	5670	40.000	5650.000	5690.000	---	PASS
	Ant1	5755	39.920	5735.000	5774.920	---	PASS
	Ant2	5755	40.000	5735.000	5775.000	---	PASS
	Ant1	5795	39.840	5775.080	5814.920	---	PASS
	Ant2	5795	39.840	5775.000	5814.840	---	PASS
11AX80SU	Ant1	5210	81.120	5169.520	5250.640	---	PASS
	Ant2	5210	81.280	5169.360	5250.640	---	PASS
	Ant1	5290	81.120	5249.520	5330.640	---	PASS
	Ant2	5290	81.280	5249.520	5330.800	---	PASS
	Ant1	5530	81.120	5489.520	5570.640	---	PASS
	Ant2	5530	81.120	5489.520	5570.640	---	PASS
	Ant1	5610	81.120	5569.520	5650.640	---	PASS
	Ant2	5610	81.440	5569.360	5650.800	---	PASS
	Ant1	5775	80.800	5734.680	5815.480	---	PASS
	Ant2	5775	80.800	5734.680	5815.480	---	PASS

Note: according exploratory explorer test, for 802.11ax Mode, Specific Resource Unit have no distinct influence on 26db EBW, so for 26db EBW, the final test was only performed with EUT working in 802.11ax SU mode.

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.160	5737.000	5753.160	0.5	PASS
	Ant2	5745	16.160	5737.000	5753.160	0.5	PASS
	Ant1	5785	16.360	5776.800	5793.160	0.5	PASS
	Ant2	5785	15.880	5777.040	5792.920	0.5	PASS
	Ant1	5825	16.120	5816.800	5832.920	0.5	PASS
	Ant2	5825	16.320	5816.800	5833.120	0.5	PASS
11N20MIMO	Ant1	5745	16.560	5737.200	5753.760	0.5	PASS
	Ant2	5745	17.400	5736.400	5753.800	0.5	PASS
	Ant1	5785	17.360	5776.400	5793.760	0.5	PASS
	Ant2	5785	17.400	5776.360	5793.760	0.5	PASS
	Ant1	5825	17.120	5816.400	5833.520	0.5	PASS
	Ant2	5825	17.640	5816.120	5833.760	0.5	PASS
11N40MIMO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
	Ant2	5755	35.120	5737.400	5772.520	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AC20MIMO	Ant1	5745	15.520	5737.360	5752.880	0.5	PASS
	Ant2	5745	17.360	5736.400	5753.760	0.5	PASS
	Ant1	5785	16.760	5777.000	5793.760	0.5	PASS
	Ant2	5785	17.400	5776.400	5793.800	0.5	PASS
	Ant1	5825	16.720	5816.400	5833.120	0.5	PASS
	Ant2	5825	17.000	5816.160	5833.160	0.5	PASS
11AC40MIMO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant2	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.320	5812.520	0.5	PASS
11AC80MIMO	Ant1	5775	65.920	5739.640	5805.560	0.5	PASS
	Ant2	5775	72.800	5739.800	5812.600	0.5	PASS
11AX20SU	Ant1	5745	18.760	5735.560	5754.320	0.5	PASS
	Ant2	5745	18.920	5735.520	5754.440	0.5	PASS
	Ant1	5785	18.920	5775.480	5794.400	0.5	PASS
	Ant2	5785	18.960	5775.480	5794.440	0.5	PASS
	Ant1	5825	18.880	5815.480	5834.360	0.5	PASS
	Ant2	5825	18.840	5815.480	5834.320	0.5	PASS
11AX40SU	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
	Ant2	5755	35.280	5737.320	5772.600	0.5	PASS
	Ant1	5795	35.280	5777.320	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AX80SU	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS
	Ant2	5775	75.520	5737.240	5812.760	0.5	PASS

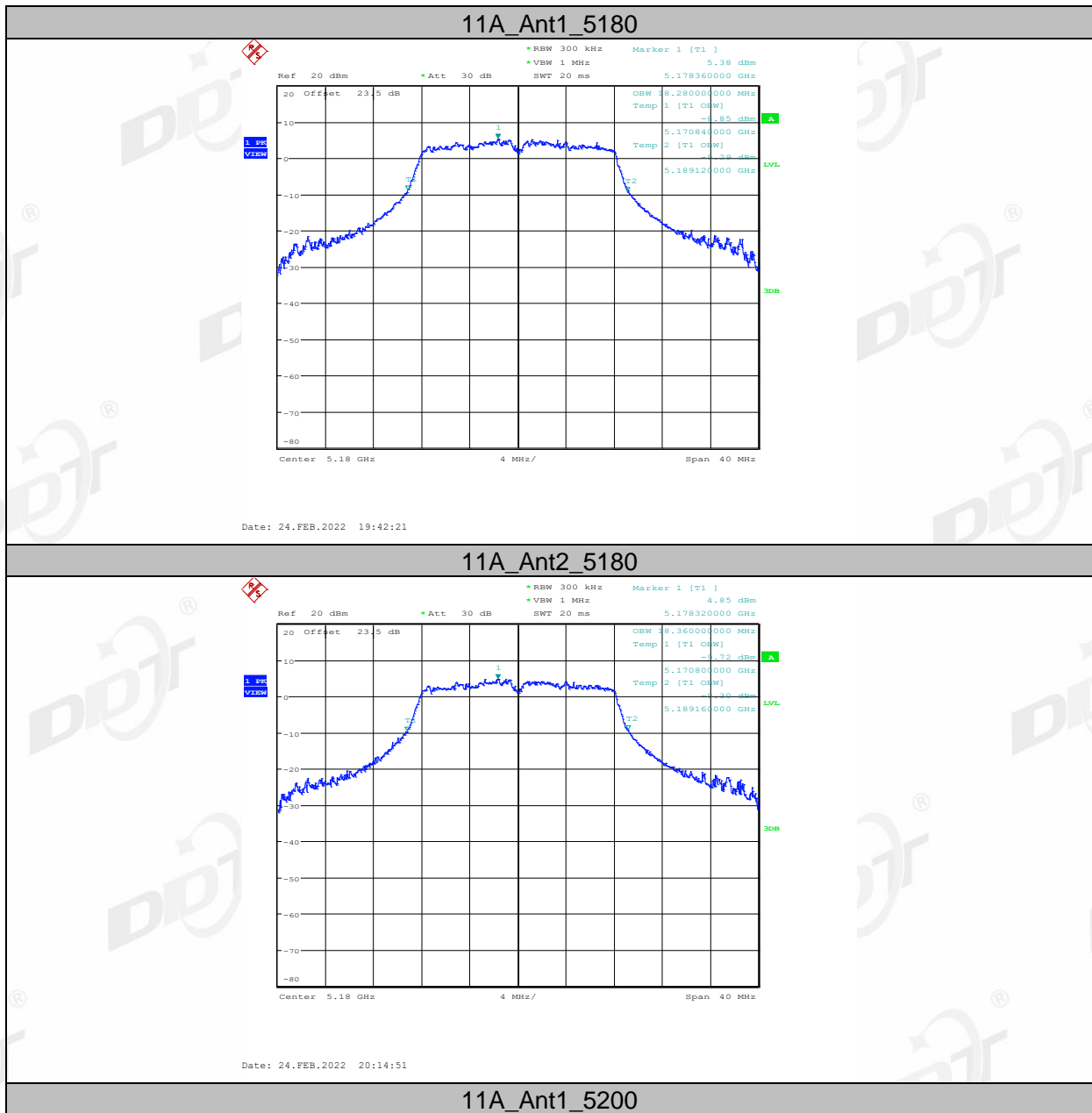
Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	6db BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX 20MIMO	Ant1	5745	26Tone	RU0	2.04	5735.48	5737.52	0.5	PASS
				RU4	2.64	5743.64	5746.28	0.5	PASS
				RU8	2.12	5752.40	5754.52	0.5	PASS
			52Tone	RU37	17.08	5735.44	5752.52	0.5	PASS
				RU38	13.80	5738.68	5752.48	0.5	PASS
				RU39	15.04	5737.48	5752.52	0.5	PASS
			106Tone	RU40	17.08	5737.48	5754.56	0.5	PASS
				RU53	17.12	5735.44	5752.56	0.5	PASS
			Ant2	5745	26Tone	RU0	2.08	5735.44	5737.52
	RU4	2.60				5743.68	5746.28	0.5	PASS
	RU8	2.08				5752.40	5754.48	0.5	PASS
	52Tone	RU37			17.08	5735.44	5752.52	0.5	PASS
		RU38			15.08	5737.44	5752.52	0.5	PASS
		RU39			15.04	5737.48	5752.52	0.5	PASS
	106Tone	RU40			17.00	5737.48	5754.48	0.5	PASS
		RU53			17.12	5735.44	5752.56	0.5	PASS
	Ant1	5785			26Tone	RU0	2.08	5775.44	5777.52
			RU4	2.64		5783.64	5786.28	0.5	PASS
			RU8	2.08		5792.44	5794.52	0.5	PASS
			52Tone	RU37	17.08	5775.48	5792.56	0.5	PASS
				RU38	15.08	5777.48	5792.56	0.5	PASS
				RU39	15.08	5777.48	5792.56	0.5	PASS
			106Tone	RU40	17.08	5777.48	5794.56	0.5	PASS
				RU53	17.72	5775.44	5793.16	0.5	PASS
			Ant2	5785	26Tone	RU0	2.12	5775.40	5777.52
	RU4	2.64				5783.64	5786.28	0.5	PASS
	RU8	2.08				5792.44	5794.52	0.5	PASS
	52Tone	RU37			17.12	5775.44	5792.56	0.5	PASS
		RU38			15.04	5777.48	5792.52	0.5	PASS
		RU39			15.04	5777.48	5792.52	0.5	PASS
	106Tone	RU40			17.08	5777.48	5794.56	0.5	PASS
		RU53			17.12	5775.44	5792.56	0.5	PASS
	Ant1	5825			26Tone	RU0	2.08	5815.44	5817.52
			RU4	2.64		5823.64	5826.28	0.5	PASS
			RU8	2.04		5832.40	5834.44	0.5	PASS
			52Tone	RU37	17.12	5815.40	5832.52	0.5	PASS
				RU38	15.08	5817.44	5832.52	0.5	PASS
				RU39	15.08	5817.44	5832.52	0.5	PASS
			106Tone	RU40	17.08	5817.44	5834.52	0.5	PASS
				RU53	17.12	5815.40	5832.52	0.5	PASS
			Ant2	5825	26Tone	RU0	2.04	5815.44	5817.48
	RU4	2.64				5823.64	5826.28	0.5	PASS

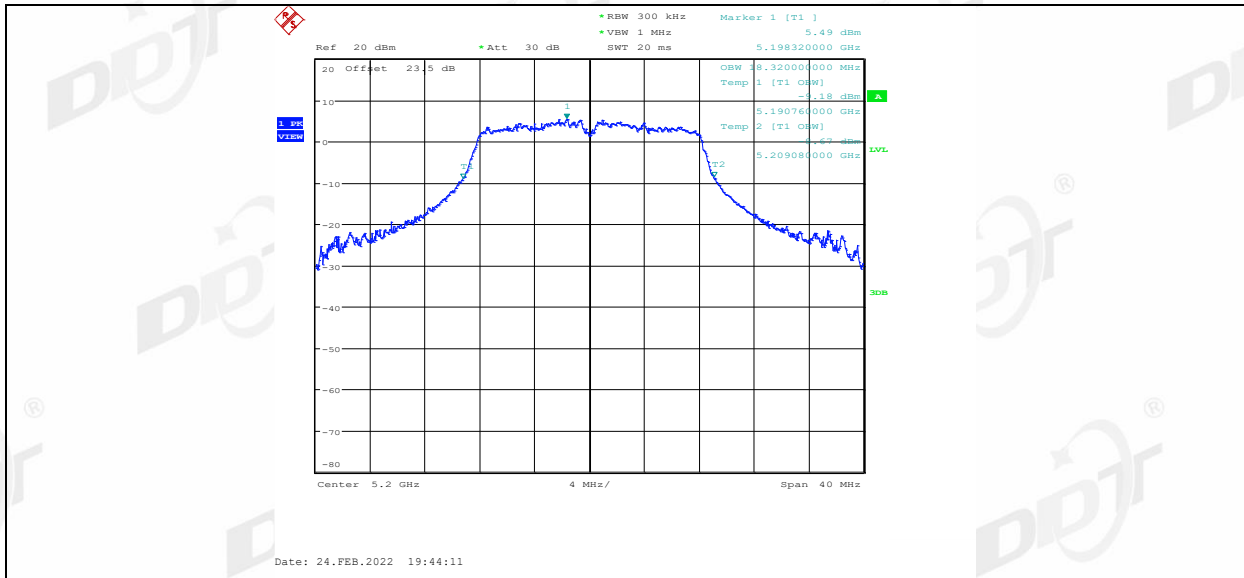
11AX40 MIMO	Ant1	5755	52Tone	RU8	2.08	5832.40	5834.48	0.5	PASS
				RU37	17.12	5815.40	5832.52	0.5	PASS
				RU38	15.08	5817.44	5832.52	0.5	PASS
				RU39	15.08	5817.44	5832.52	0.5	PASS
			RU40	17.04	5817.44	5834.48	0.5	PASS	
			106Tone	RU53	17.12	5815.40	5832.52	0.5	PASS
				RU54	17.12	5817.40	5834.52	0.5	PASS
			26Tone	RU0	2.08	5735.96	5738.04	0.5	PASS
				RU8	2.08	5752.68	5754.76	0.5	PASS
				RU17	2.00	5772.04	5774.04	0.5	PASS
	52Tone	RU37	16.56	5735.96	5752.52	0.5	PASS		
		RU40	17.28	5737.48	5754.76	0.5	PASS		
		RU44	16.56	5757.48	5774.04	0.5	PASS		
	106Tone	RU53	17.44	5736.04	5753.48	0.5	PASS		
		RU54	17.36	5737.40	5754.76	0.5	PASS		
		RU55	17.36	5755.24	5772.60	0.5	PASS		
	242Tone	RU56	16.56	5757.40	5773.96	0.5	PASS		
		RU61	18.64	5736.04	5754.68	0.5	PASS		
	RU62	18.72	5755.40	5774.12	0.5	PASS			
		RU0	14.00	5735.96	5749.96	0.5	PASS		
	26Tone	RU8	2.08	5752.68	5754.76	0.5	PASS		
		RU17	2.08	5771.96	5774.04	0.5	PASS		
		RU37	16.56	5735.96	5752.52	0.5	PASS		
	52Tone	RU40	17.28	5737.48	5754.76	0.5	PASS		
RU44		16.56	5757.48	5774.04	0.5	PASS			
RU53		16.64	5735.96	5752.60	0.5	PASS			
106Tone	RU54	17.36	5737.40	5754.76	0.5	PASS			
	RU55	17.36	5755.24	5772.60	0.5	PASS			
	RU56	16.64	5757.40	5774.04	0.5	PASS			
242Tone	RU61	18.48	5736.20	5754.68	0.5	PASS			
	RU62	18.80	5755.24	5774.04	0.5	PASS			
Ant1	5795	26Tone	RU0	2.00	5775.96	5777.96	0.5	PASS	
			RU8	2.00	5792.68	5794.68	0.5	PASS	
			RU17	2.08	5811.96	5814.04	0.5	PASS	
		52Tone	RU37	16.56	5775.96	5792.52	0.5	PASS	
			RU40	17.20	5777.48	5794.68	0.5	PASS	
			RU44	16.56	5797.48	5814.04	0.5	PASS	
		106Tone	RU53	16.56	5776.04	5792.60	0.5	PASS	
			RU54	17.20	5777.48	5794.68	0.5	PASS	
			RU55	17.36	5795.24	5812.60	0.5	PASS	
		242Tone	RU56	16.64	5797.40	5814.04	0.5	PASS	
RU61	18.72		5776.04	5794.76	0.5	PASS			
RU62	18.72	5795.32	5814.04	0.5	PASS				
Ant2	5795	26Tone	RU0	2.08	5775.96	5778.04	0.5	PASS	
			RU8	2.08	5792.68	5794.76	0.5	PASS	
			RU17	2.08	5811.96	5814.04	0.5	PASS	
		52Tone	RU37	16.56	5775.96	5792.52	0.5	PASS	
			RU40	17.20	5777.48	5794.68	0.5	PASS	
			RU44	16.56	5797.48	5814.04	0.5	PASS	
		106Tone	RU53	16.56	5775.96	5792.52	0.5	PASS	
RU54	17.28		5777.48	5794.76	0.5	PASS			

11AX 80MIMO	Ant1	5775	242Tone	RU55	17.36	5795.24	5812.60	0.5	PASS
				RU56	16.64	5797.40	5814.04	0.5	PASS
				RU61	18.72	5776.04	5794.76	0.5	PASS
			26Tone	RU62	18.72	5795.32	5814.04	0.5	PASS
				RU0	1.92	5735.96	5737.88	0.5	PASS
				RU19	11.20	5776.28	5787.48	0.5	PASS
			52Tone	RU36	2.08	5811.96	5814.04	0.5	PASS
				RU37	16.48	5735.96	5752.44	0.5	PASS
				RU44	16.16	5757.40	5773.56	0.5	PASS
			106Tone	RU52	15.20	5798.84	5814.04	0.5	PASS
				RU53	17.44	5735.96	5753.40	0.5	PASS
				RU56	16.00	5757.56	5773.56	0.5	PASS
			242Tone	RU60	16.48	5797.56	5814.04	0.5	PASS
				RU61	18.56	5736.12	5754.68	0.5	PASS
	RU62	36.32		5737.40	5773.72	0.5	PASS		
	484Tone	RU63	37.12	5776.44	5813.56	0.5	PASS		
		RU64	18.56	5795.48	5814.04	0.5	PASS		
		RU65	37.12	5736.12	5773.24	0.5	PASS		
	Ant2	5775	26Tone	RU66	37.60	5776.28	5813.88	0.5	PASS
				RU0	16.48	5735.96	5752.44	0.5	PASS
				RU19	2.08	5776.28	5778.36	0.5	PASS
			52Tone	RU36	2.08	5811.96	5814.04	0.5	PASS
				RU37	16.48	5735.96	5752.44	0.5	PASS
				RU44	14.88	5758.68	5773.56	0.5	PASS
			106Tone	RU52	16.48	5797.56	5814.04	0.5	PASS
				RU53	16.64	5735.96	5752.60	0.5	PASS
				RU56	16.16	5757.40	5773.56	0.5	PASS
			242Tone	RU60	16.48	5797.56	5814.04	0.5	PASS
RU61				18.72	5735.96	5754.68	0.5	PASS	
RU62				36.80	5736.92	5773.72	0.5	PASS	
484Tone			RU63	37.28	5776.28	5813.56	0.5	PASS	
			RU64	18.40	5795.48	5813.88	0.5	PASS	
	RU65	37.28	5736.12	5773.40	0.5	PASS			
			RU66	37.60	5776.28	5813.88	0.5	PASS	

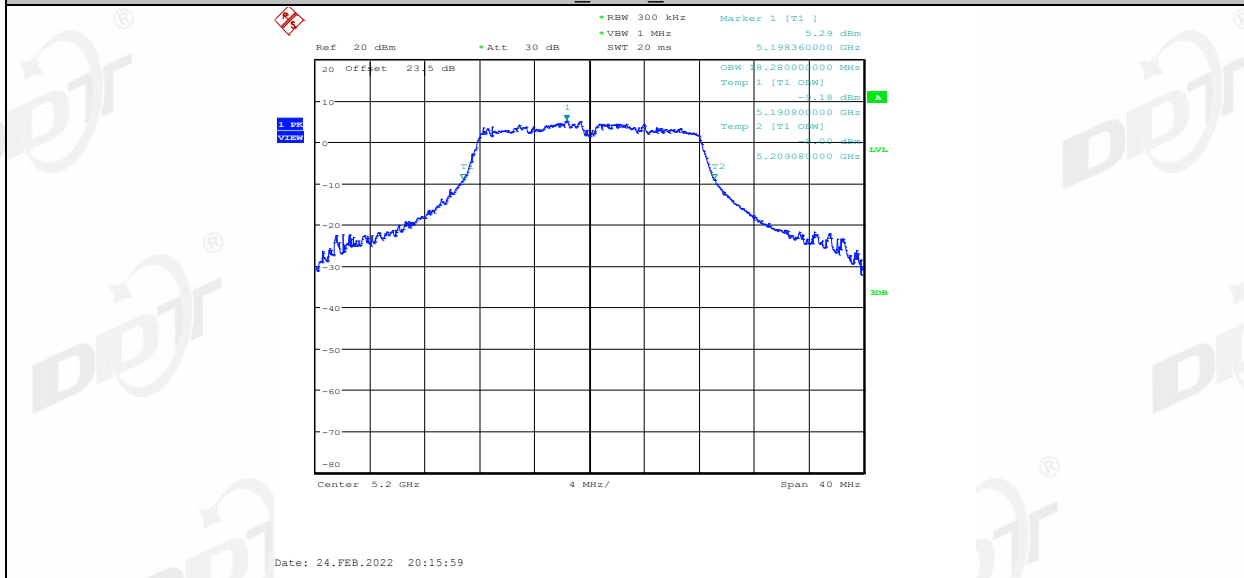
4.5. Original test data

99% OBW:

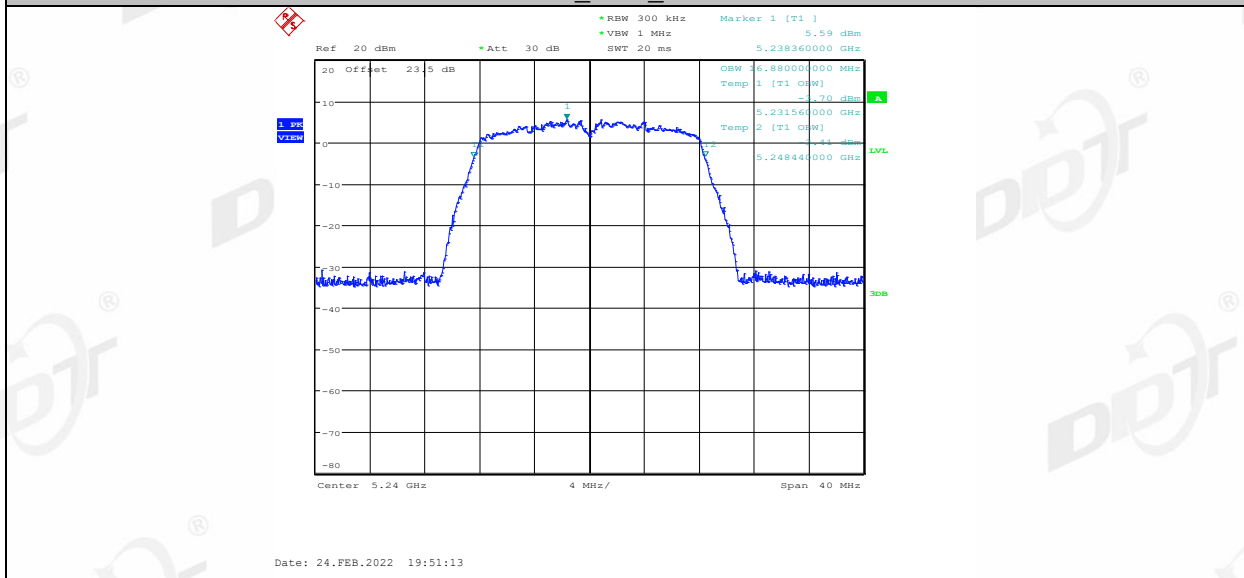




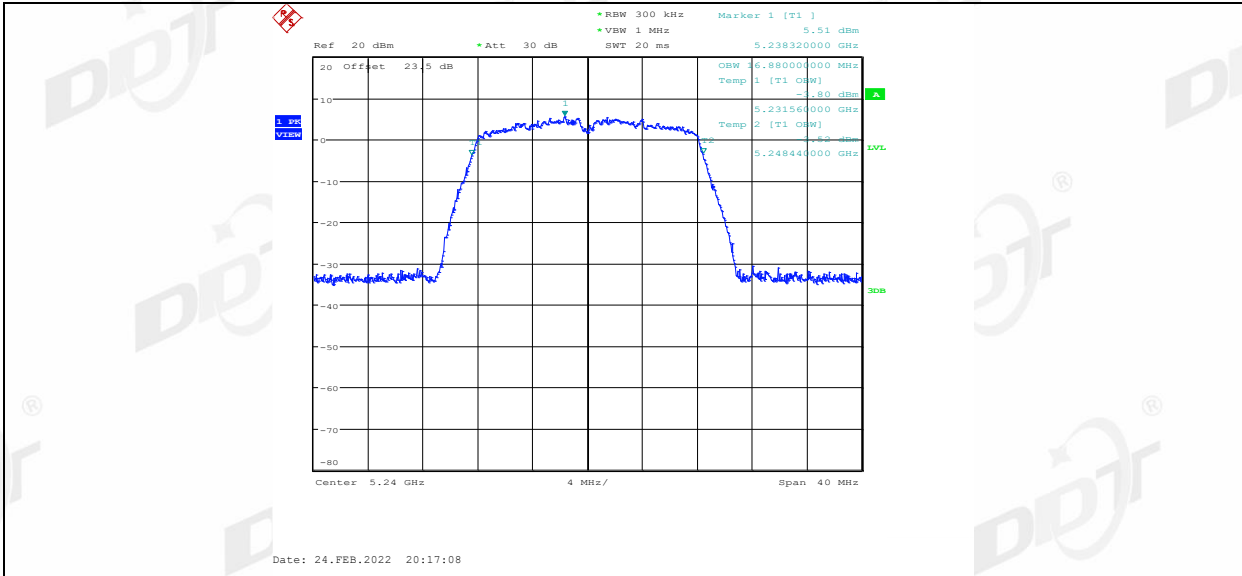
11A_Ant2_5200



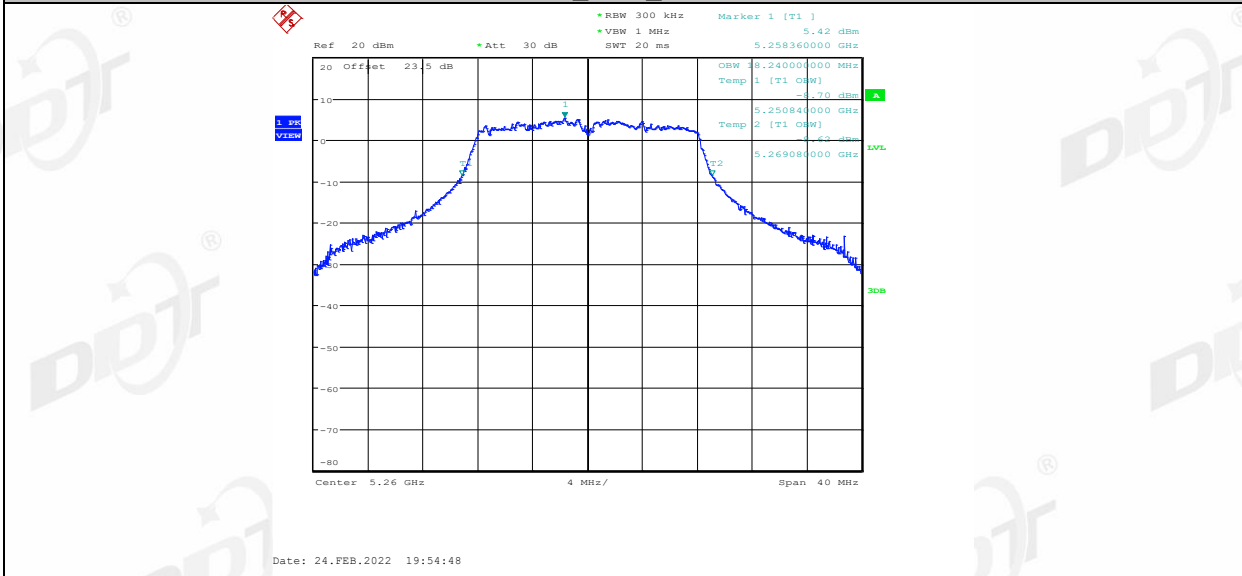
11A_Ant1_5240



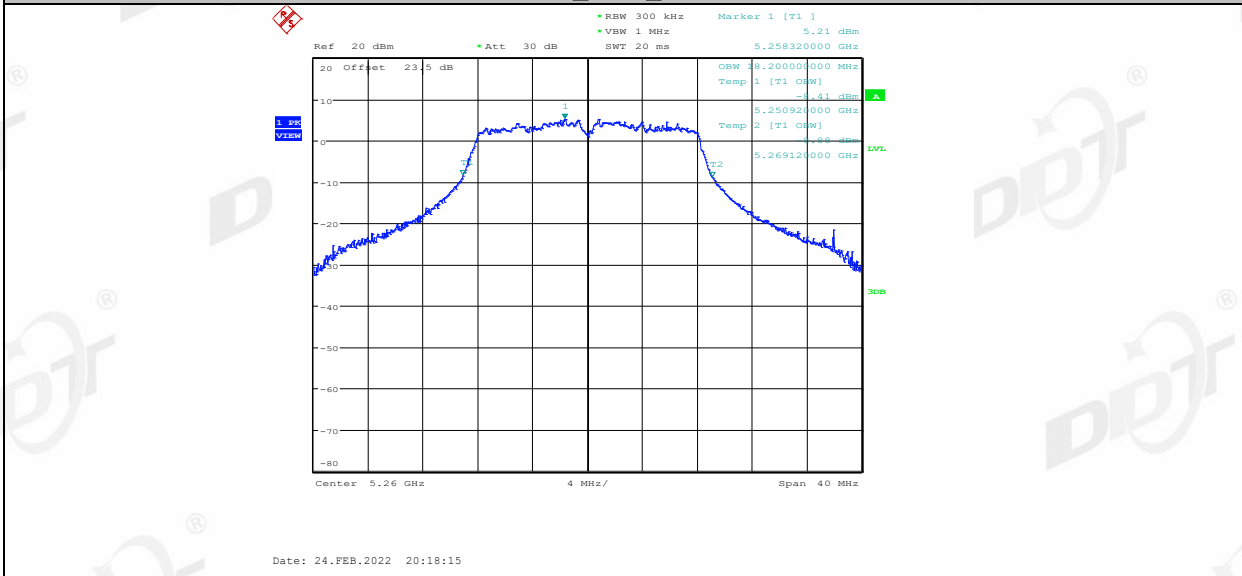
11A_Ant2_5240



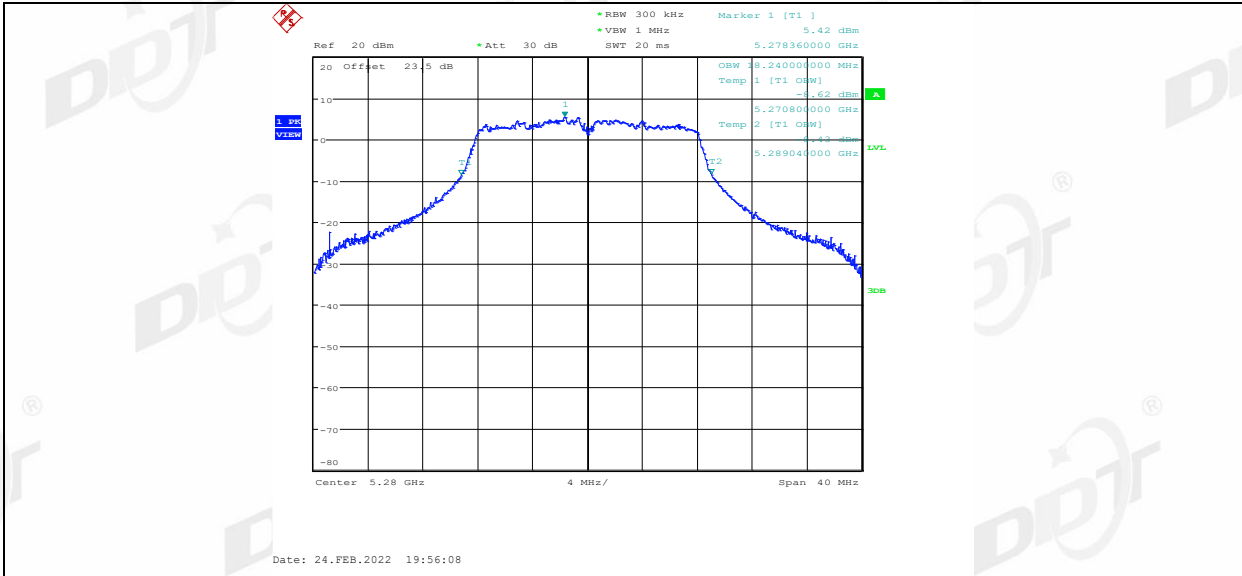
11A_Ant1_5260



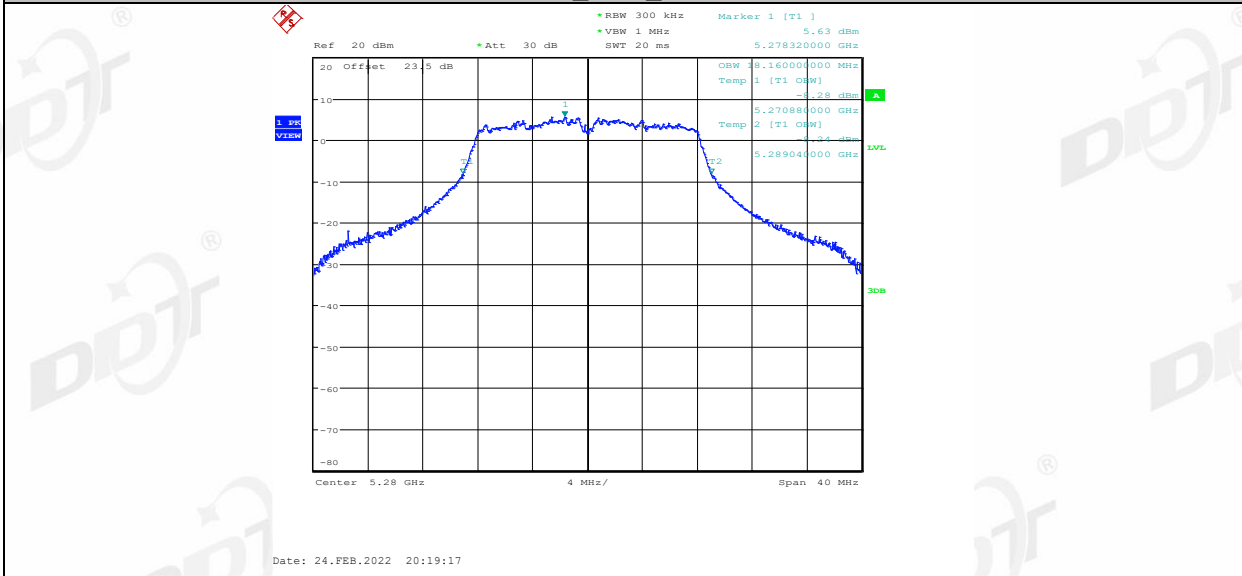
11A_Ant2_5260



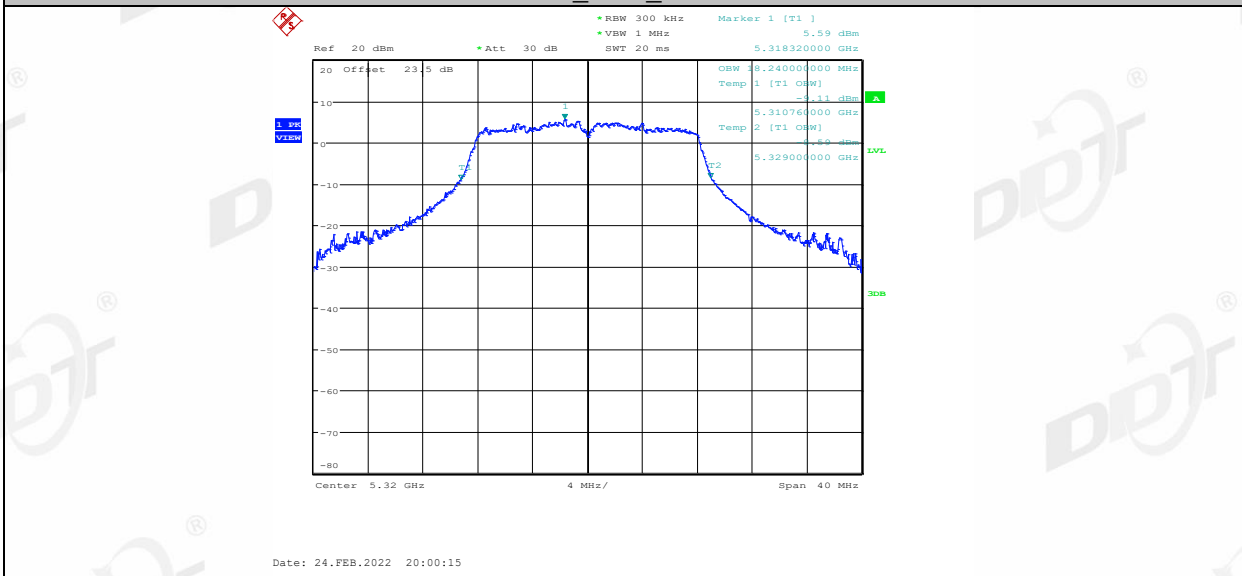
11A_Ant1_5280



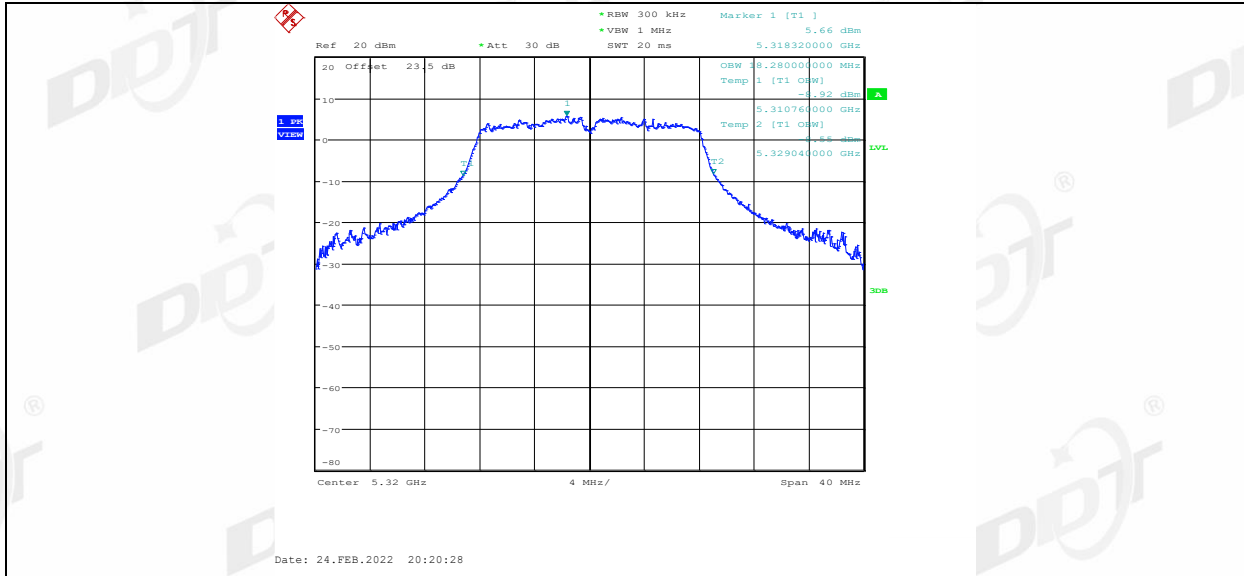
11A_Ant2_5280



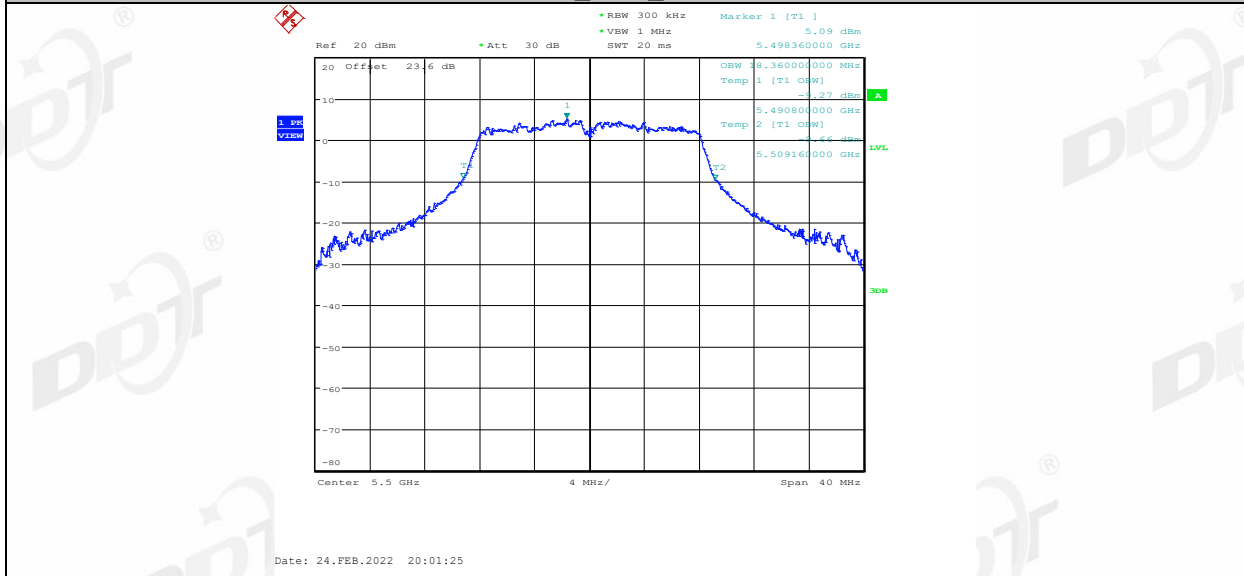
11A_Ant1_5320



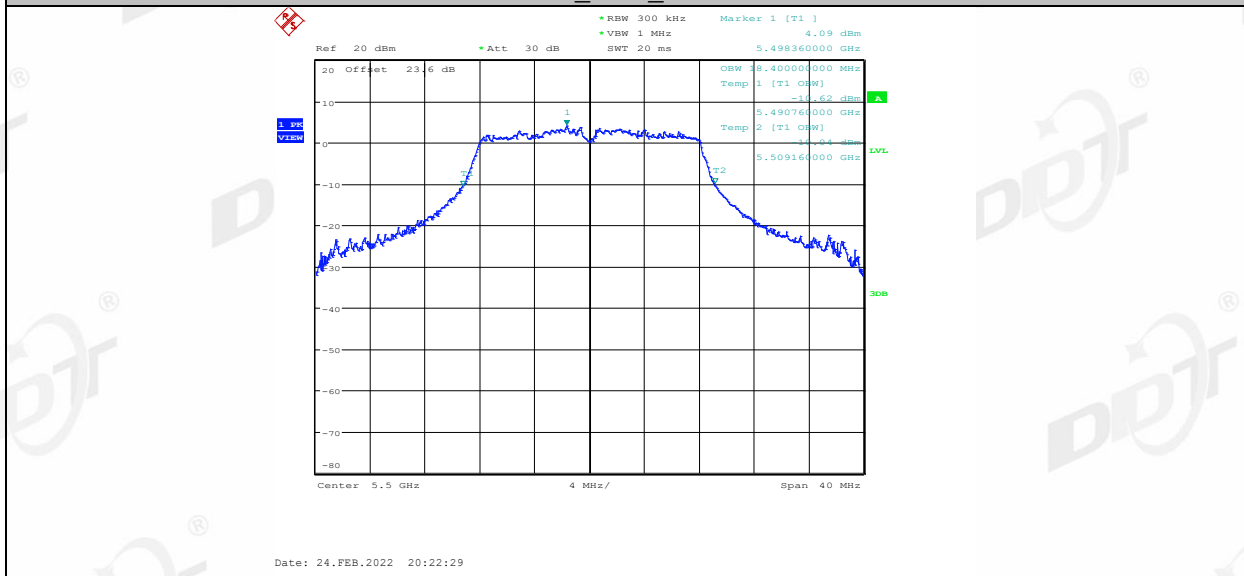
11A_Ant2_5320



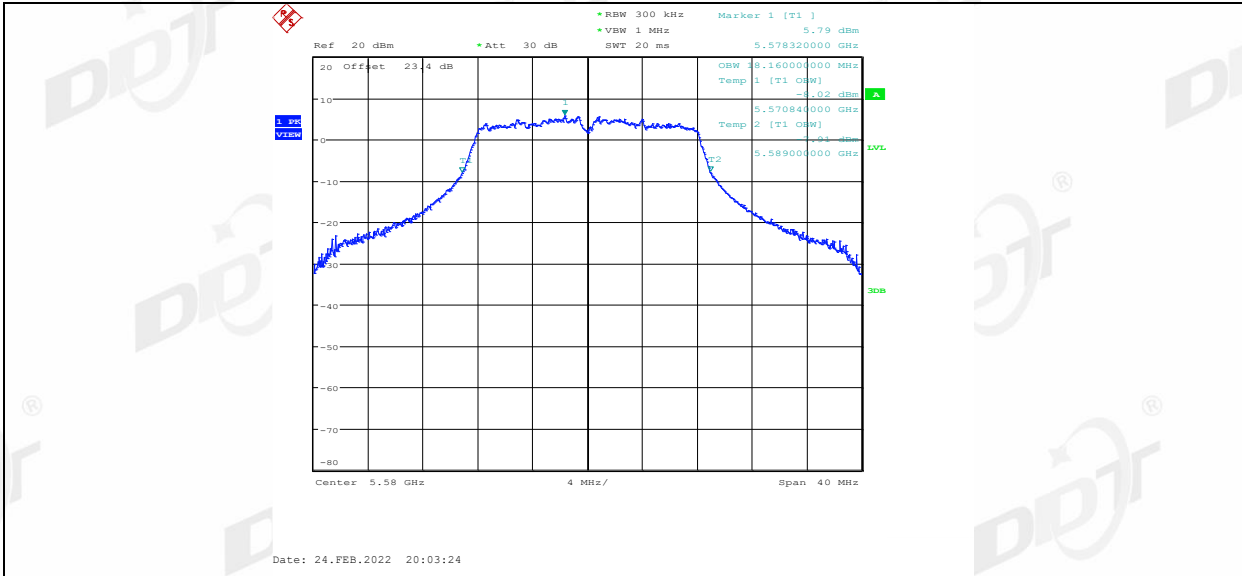
11A_Ant1_5500



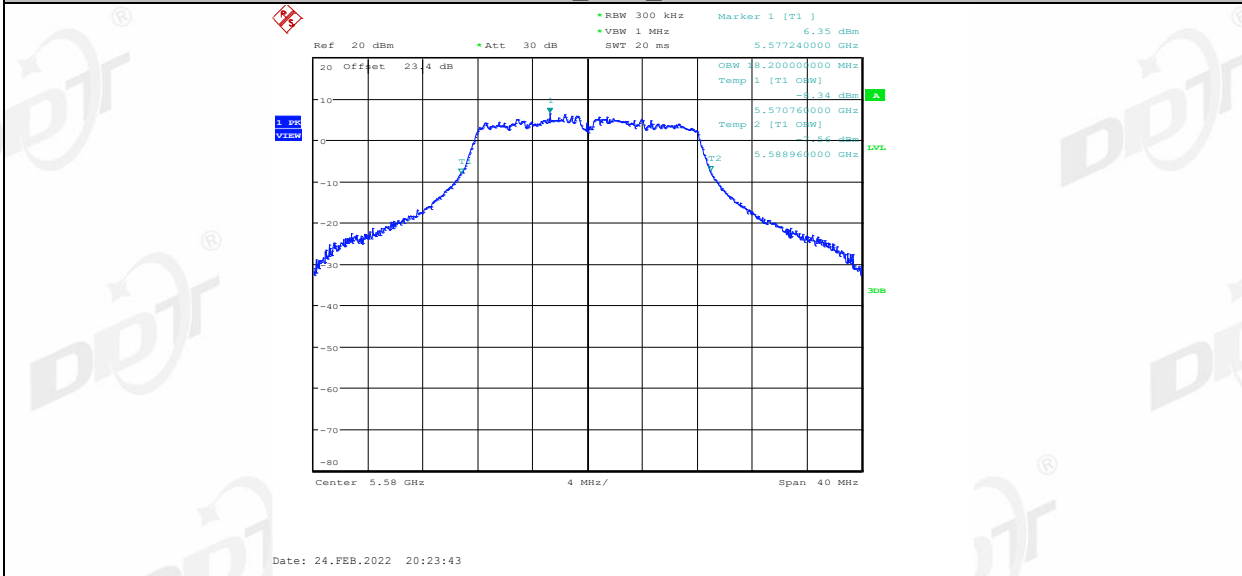
11A_Ant2_5500



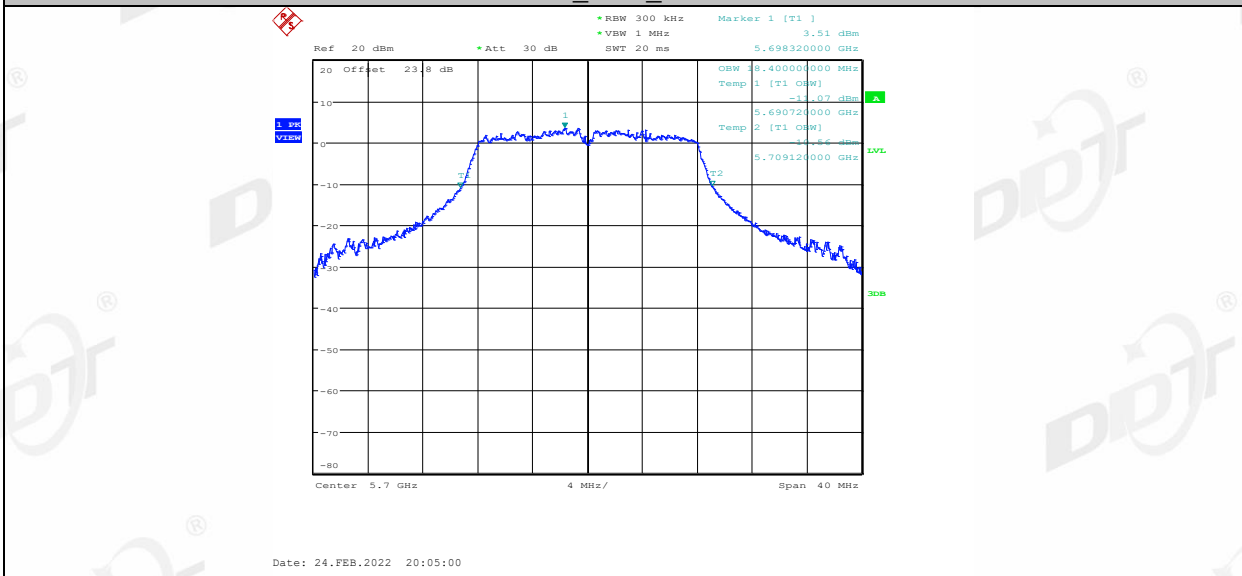
11A_Ant1_5580



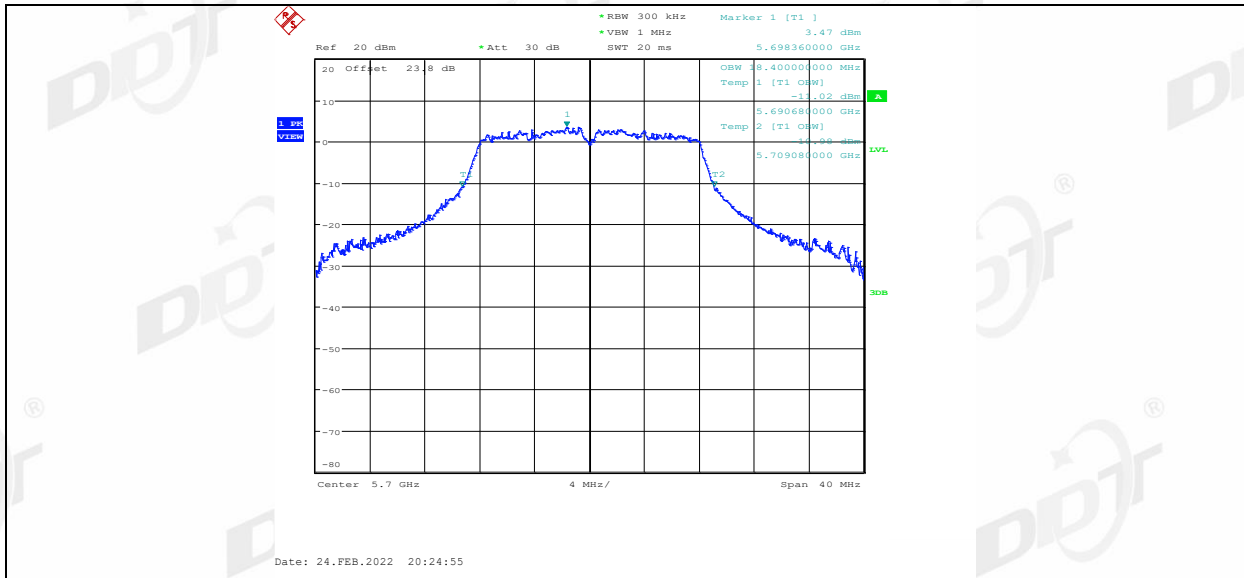
11A_Ant2_5580



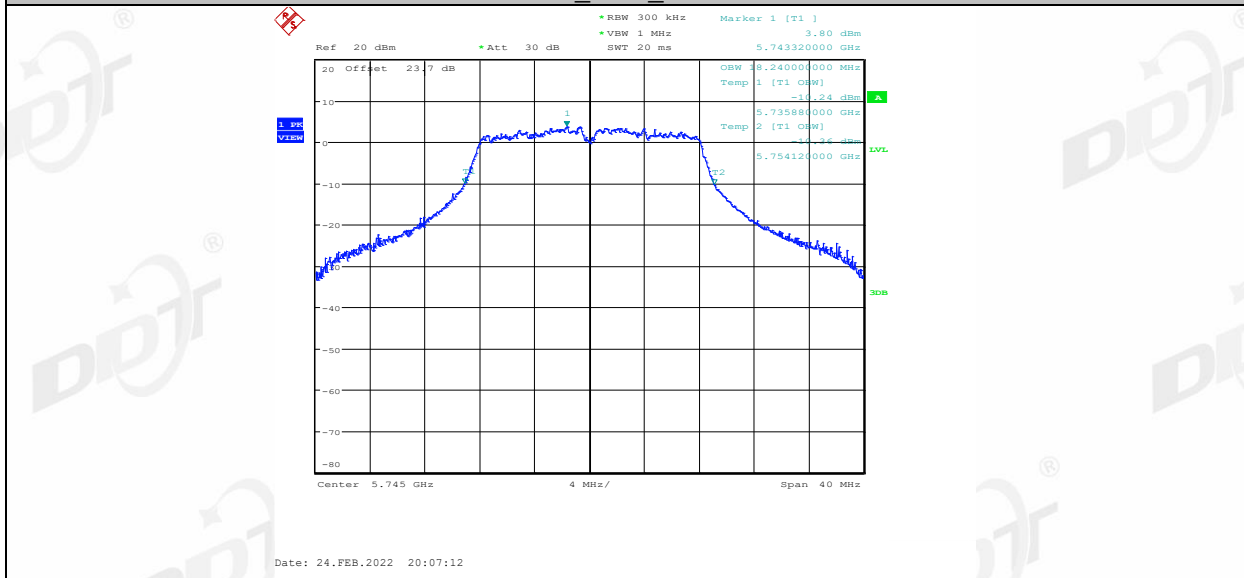
11A_Ant1_5700



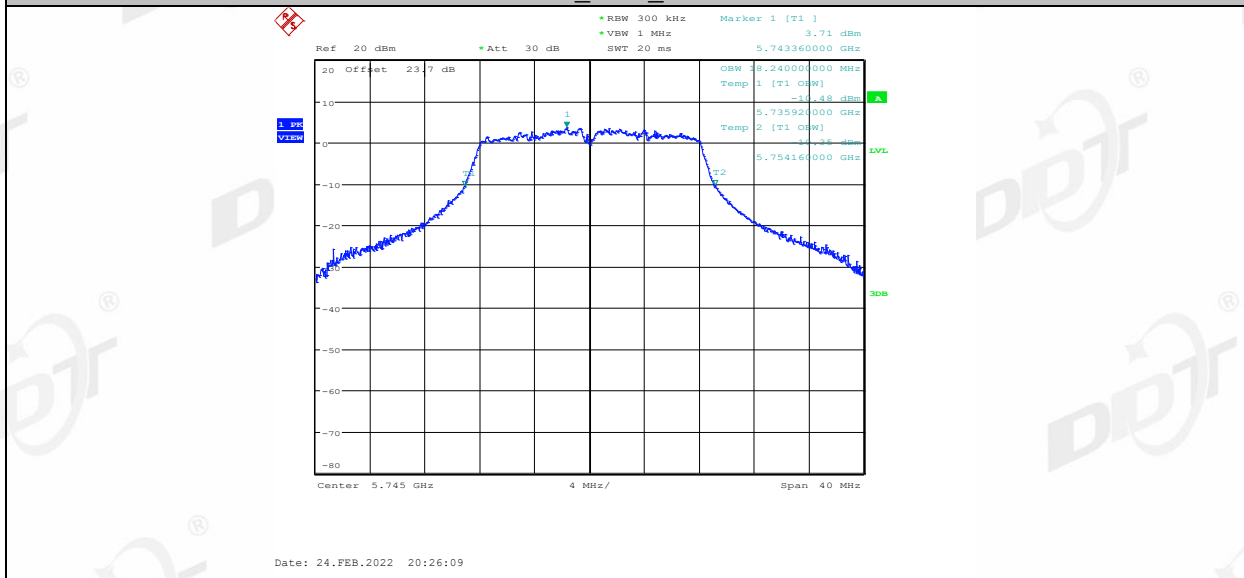
11A_Ant2_5700



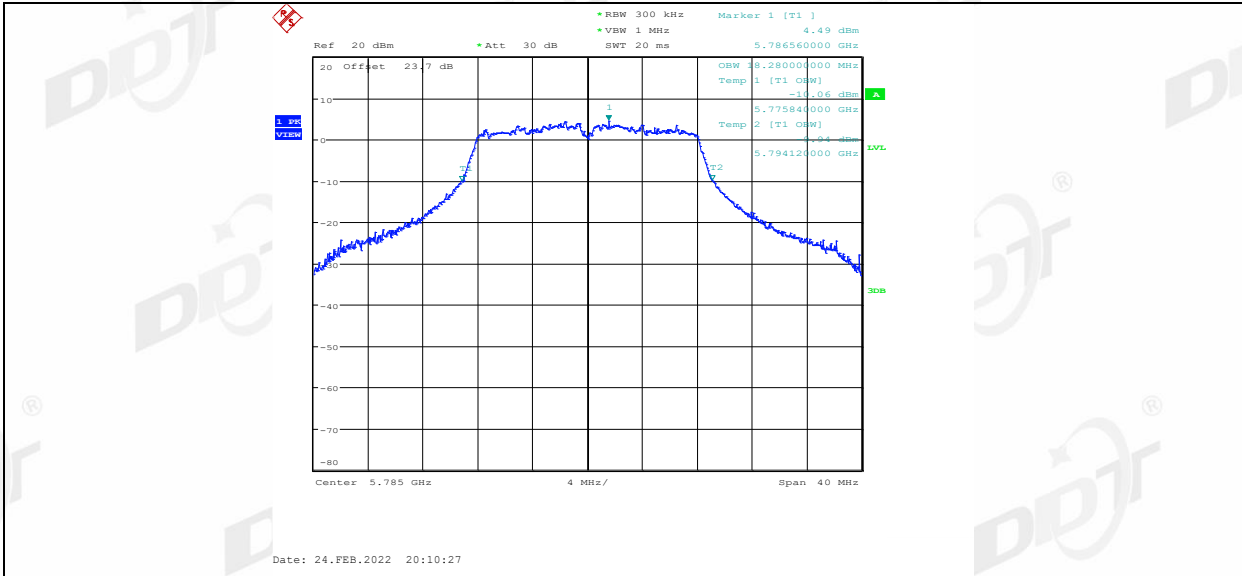
11A_Ant1_5745



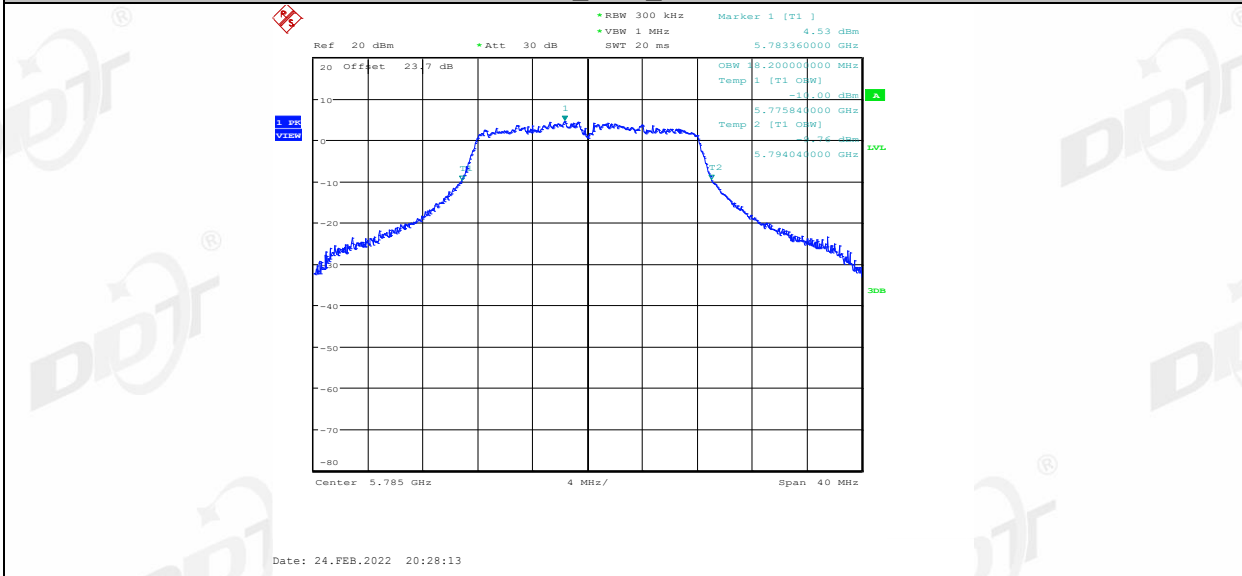
11A_Ant2_5745



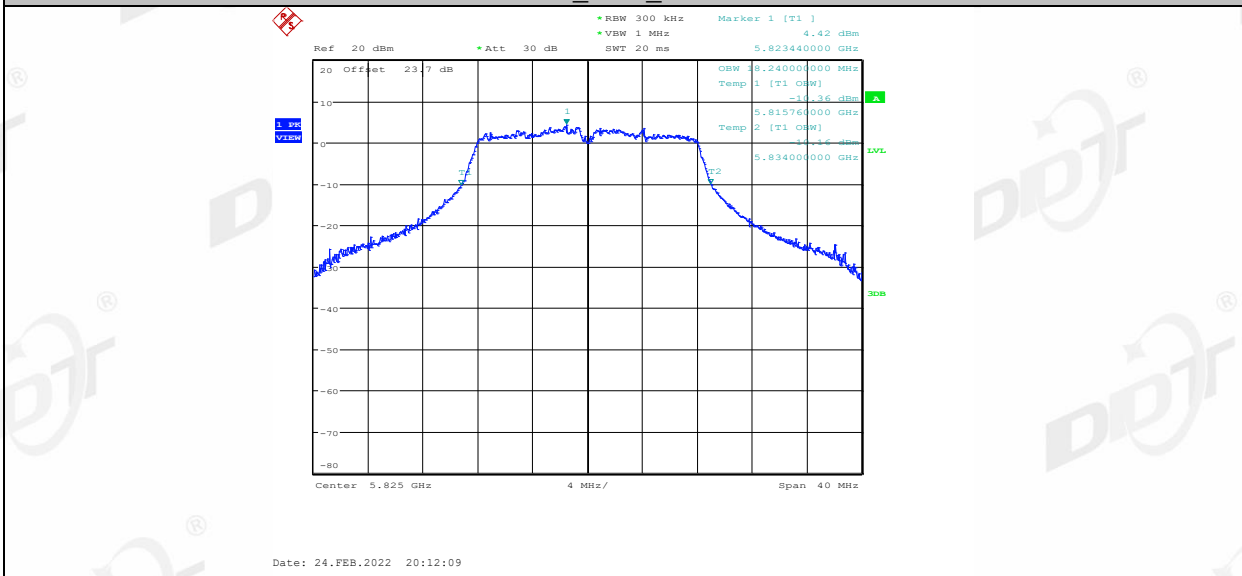
11A_Ant1_5785



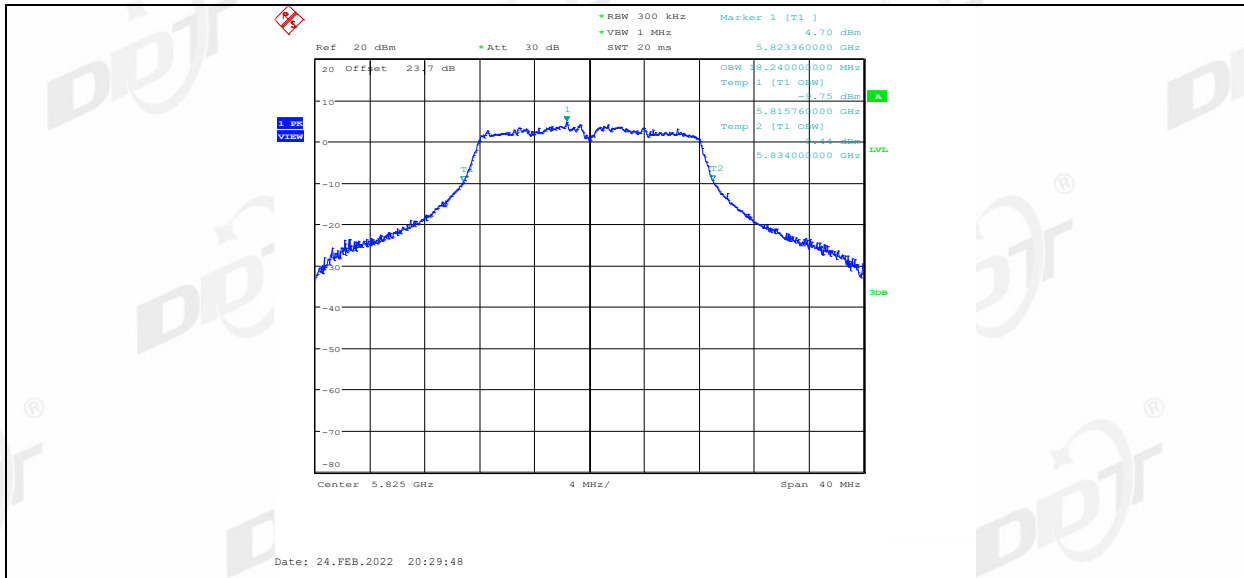
11A_Ant2_5785



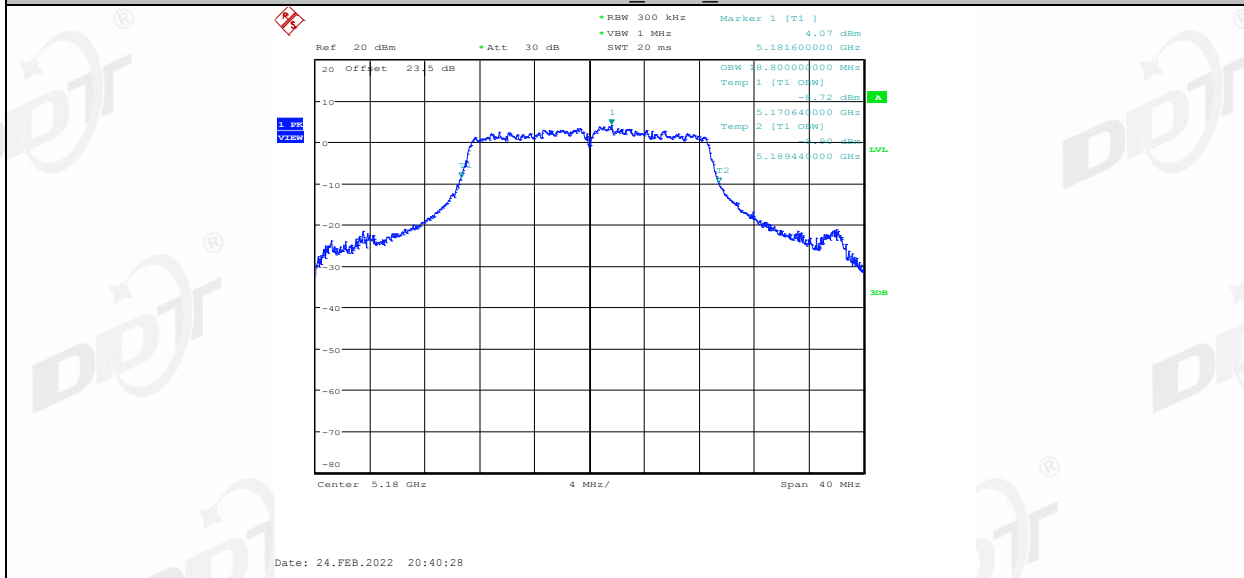
11A_Ant1_5825



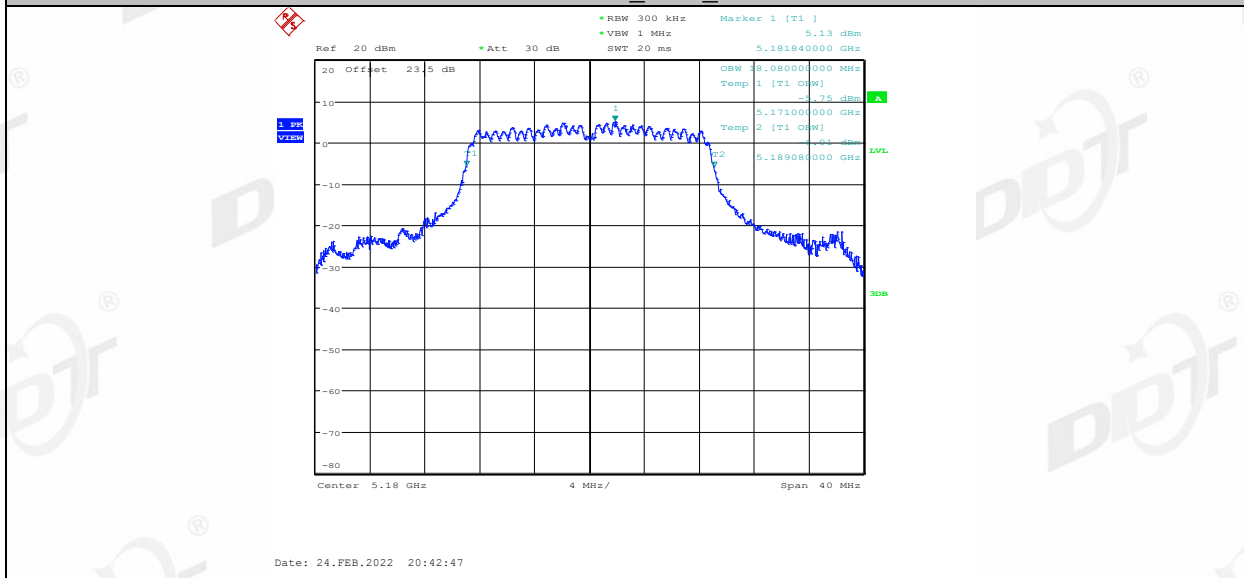
11A_Ant2_5825



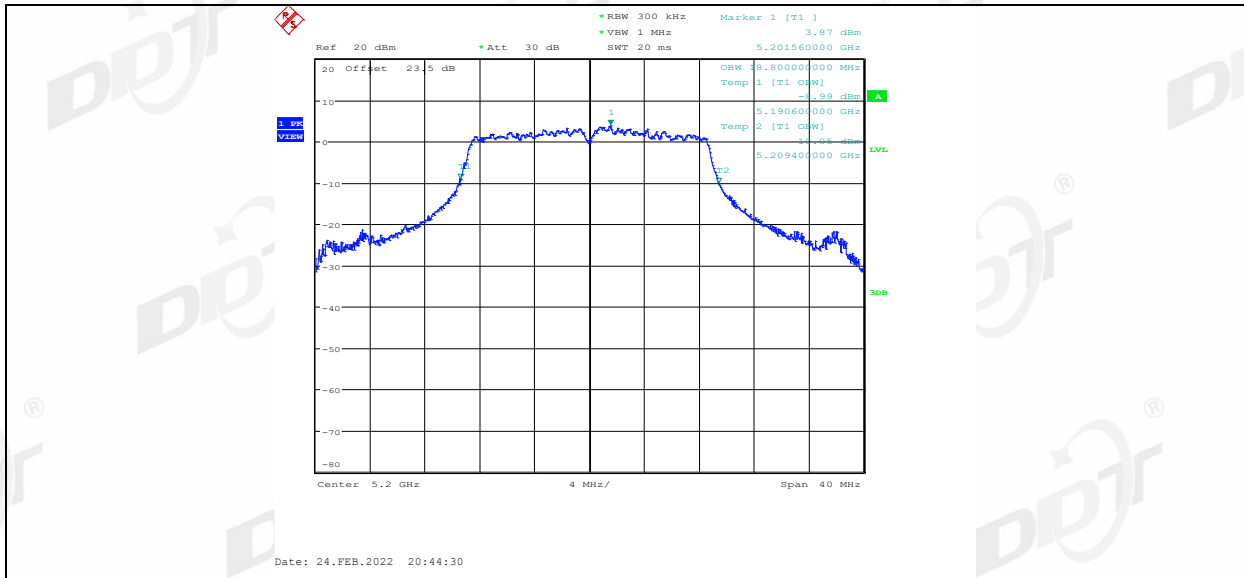
11N20MIMO_Ant1_5180



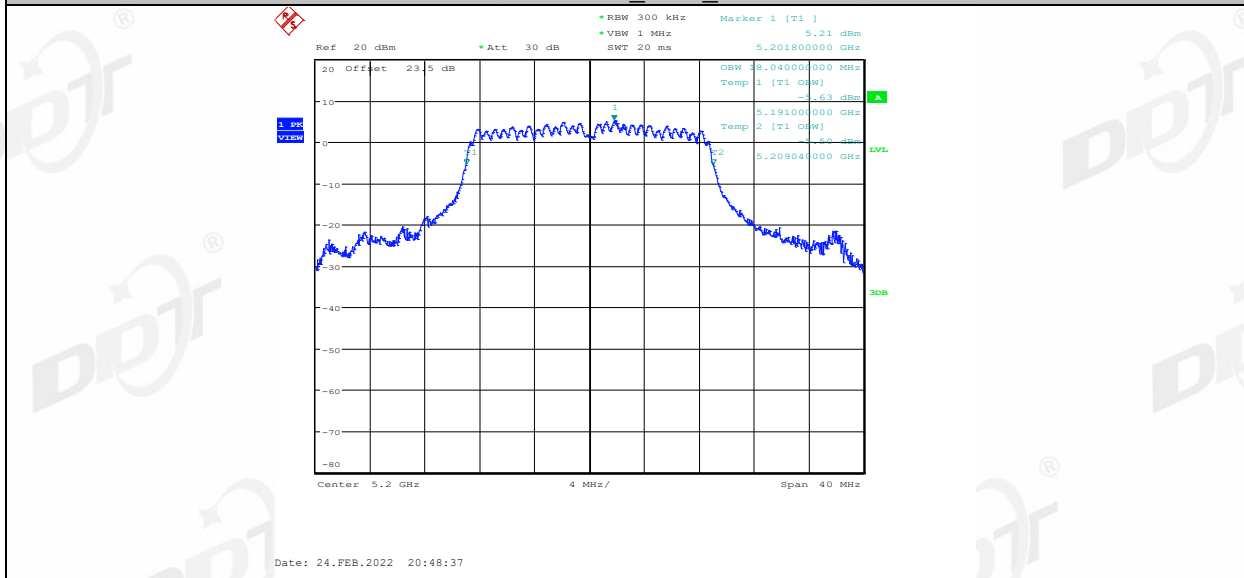
11N20MIMO_Ant2_5180



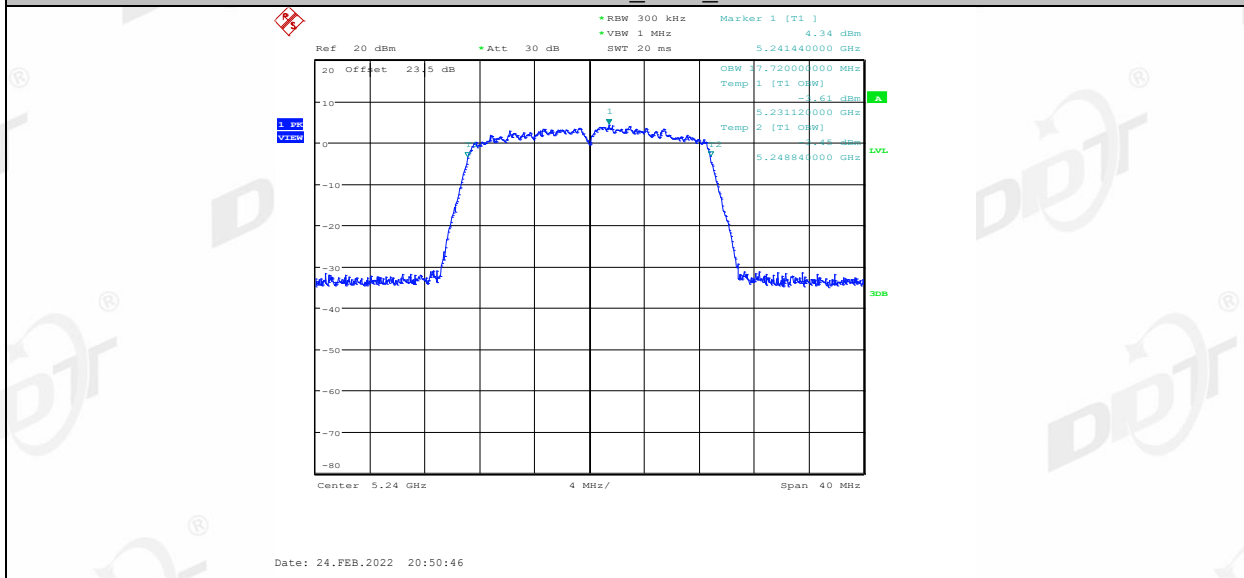
11N20MIMO_Ant1_5200



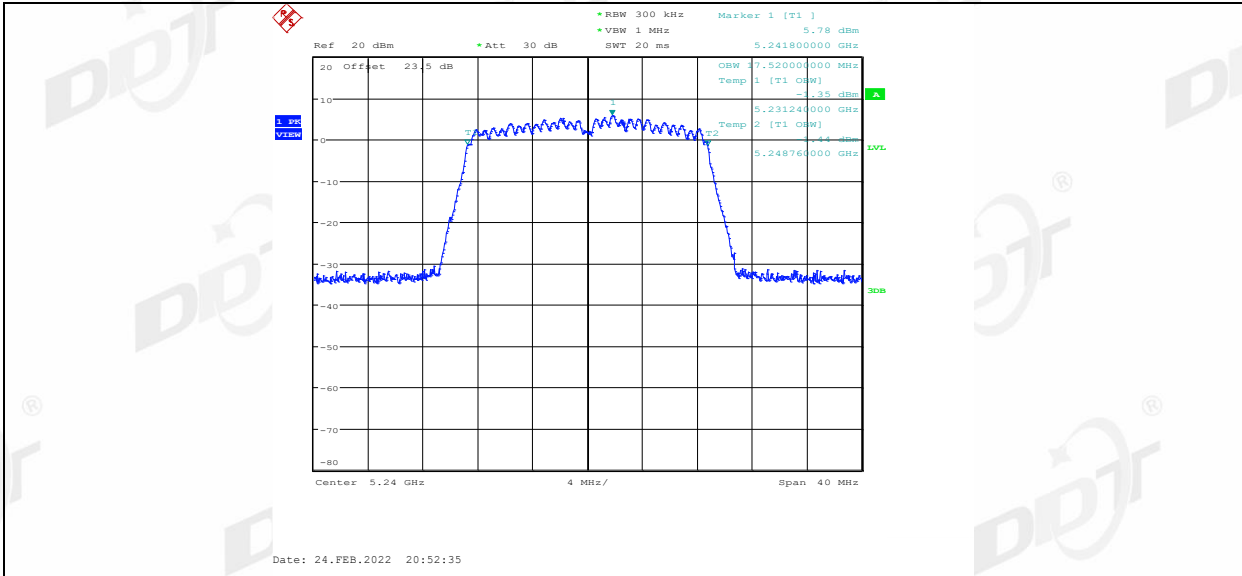
11N20MIMO_Ant2_5200



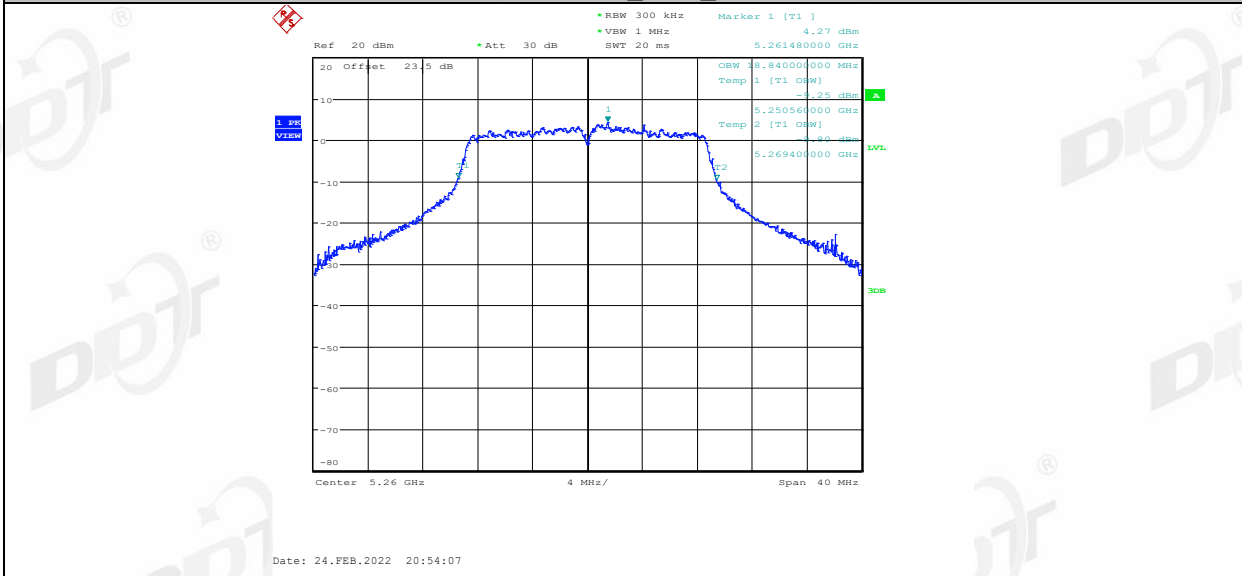
11N20MIMO_Ant1_5240



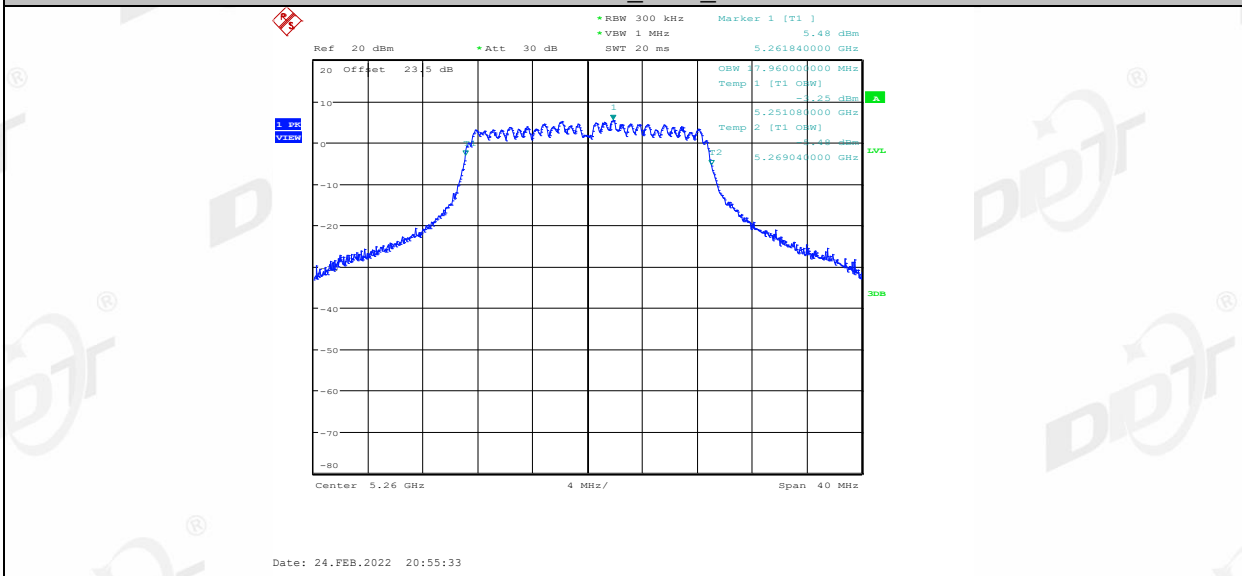
11N20MIMO_Ant2_5240



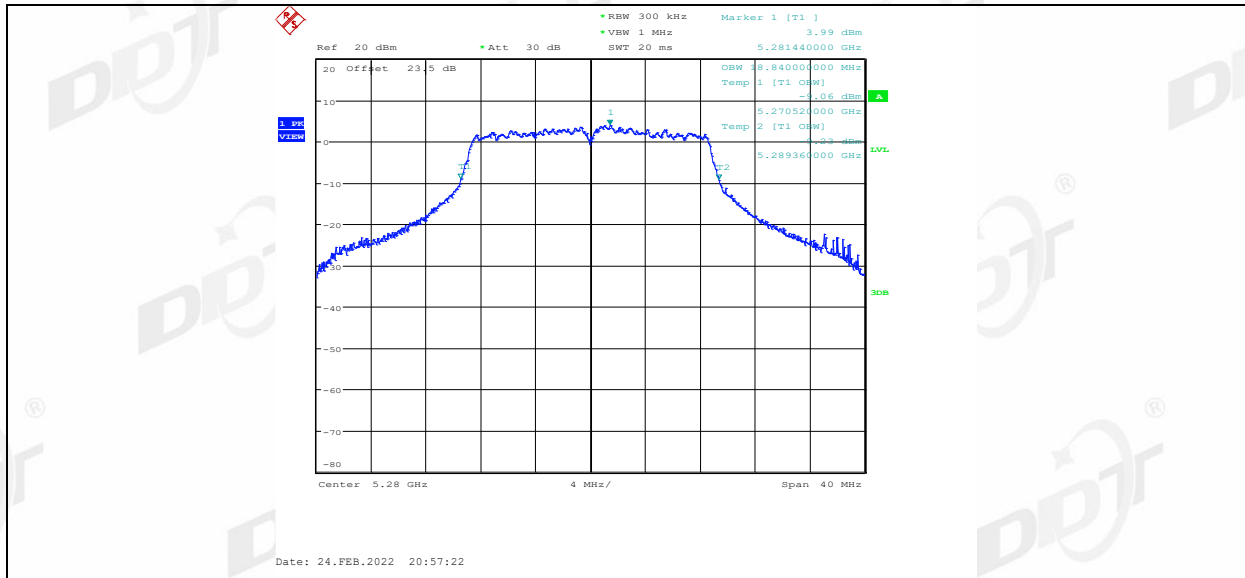
11N20MIMO_Ant1_5260



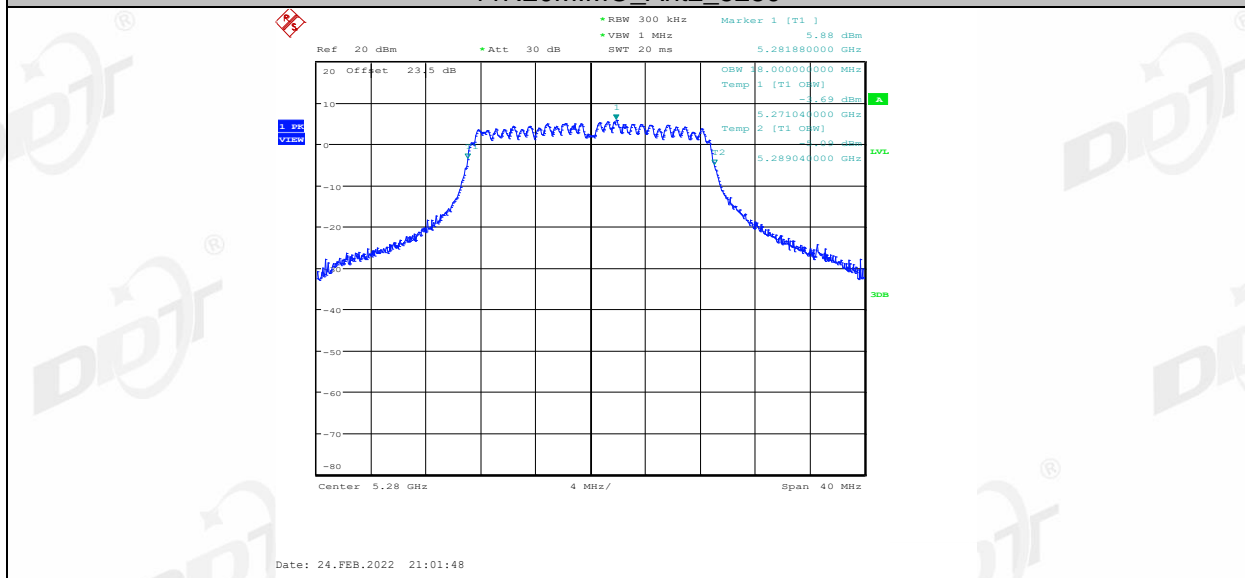
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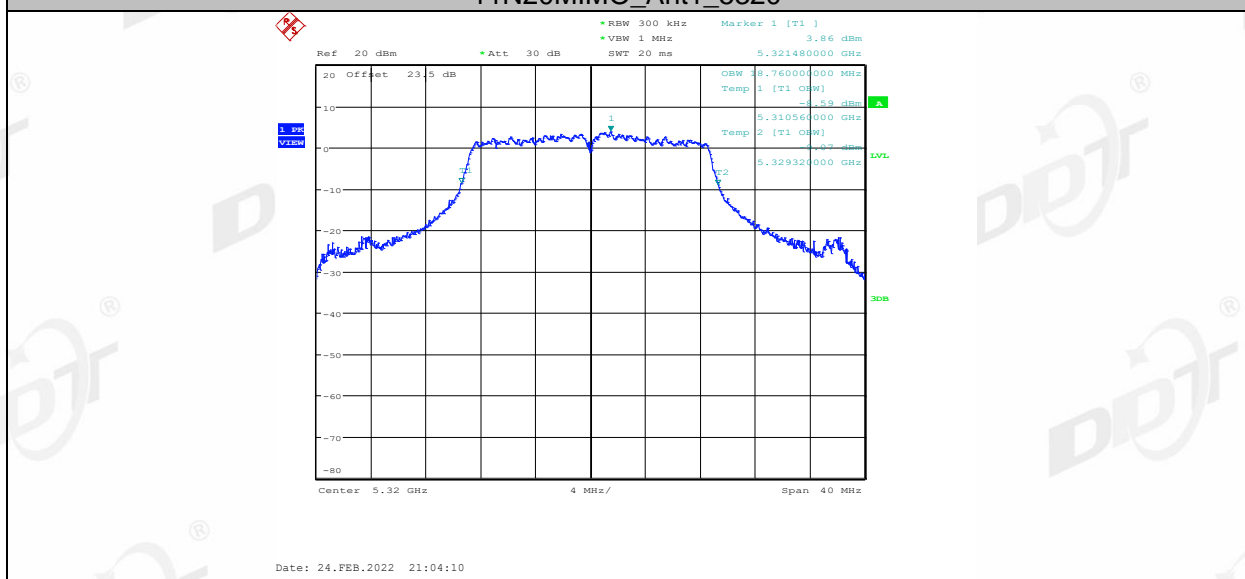
11N20MIMO_Ant1_5280



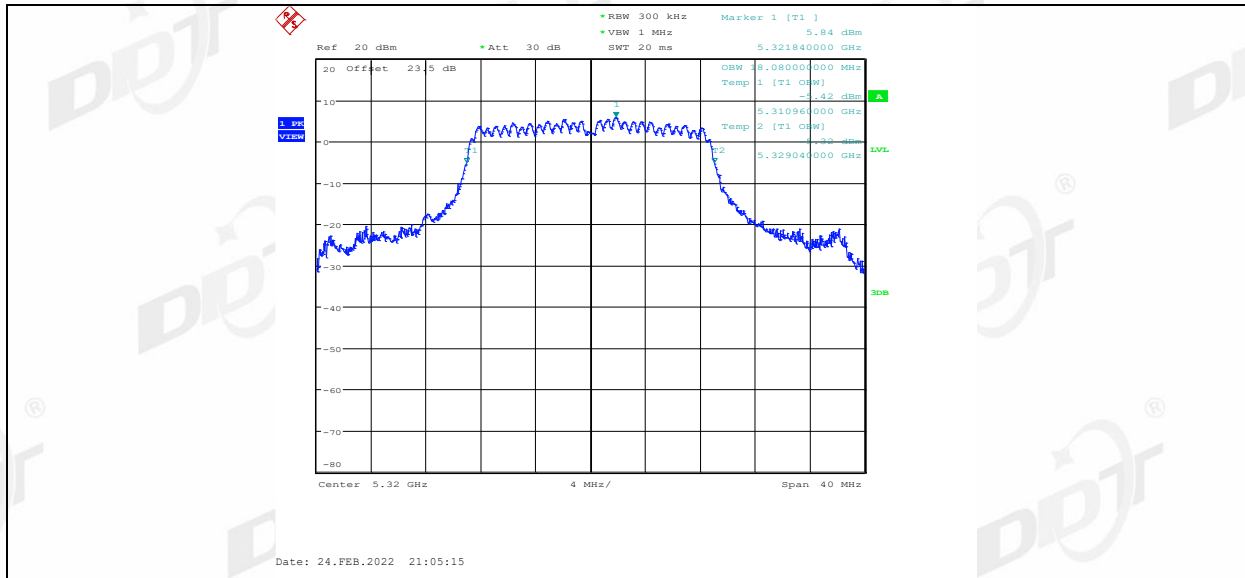
11N20MIMO_Ant2_5280



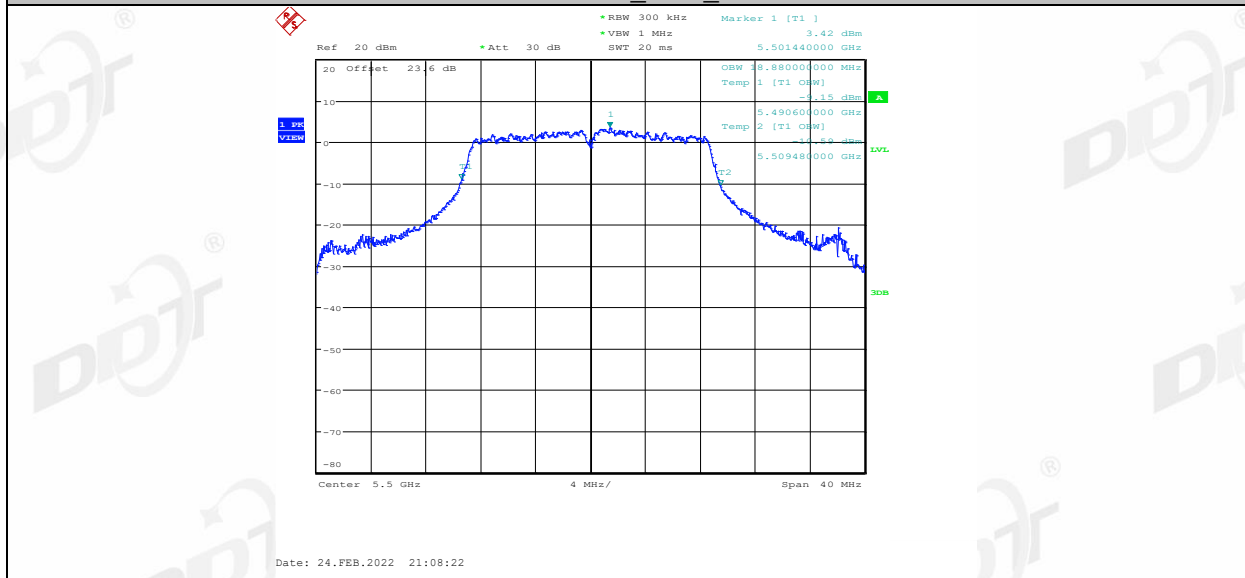
11N20MIMO_Ant1_5320



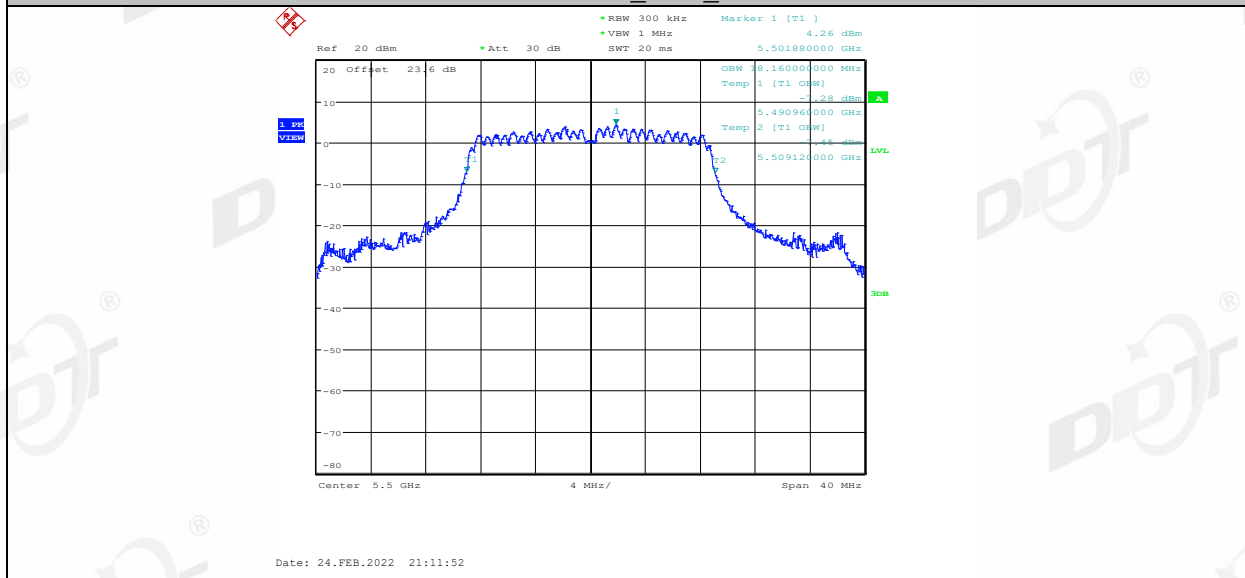
11N20MIMO_Ant2_5320



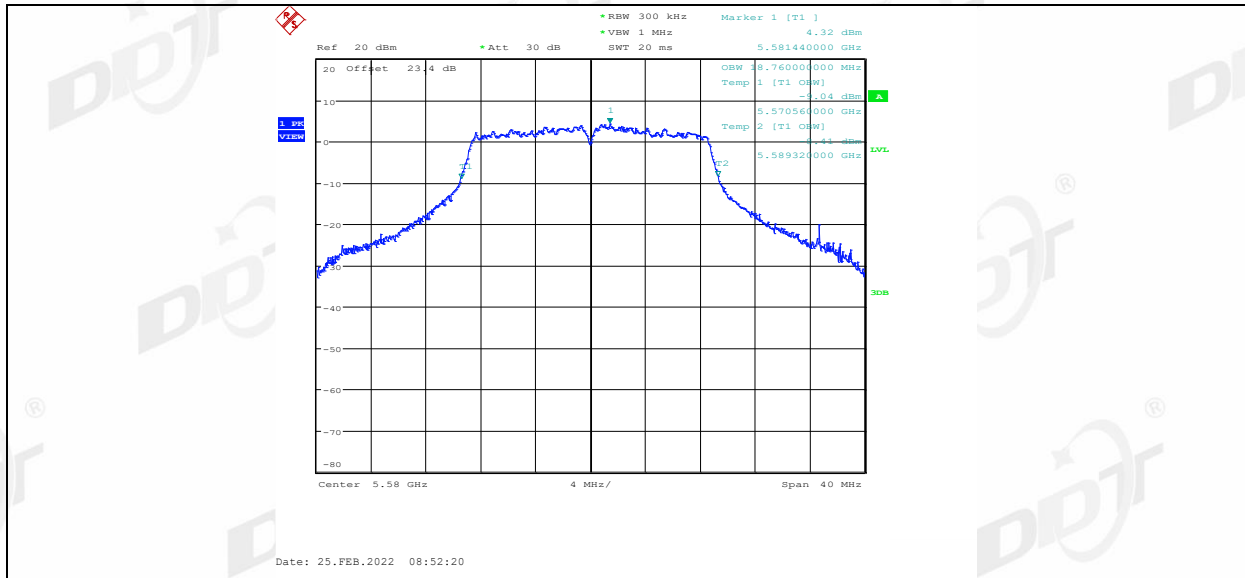
11N20MIMO_Ant1_5500



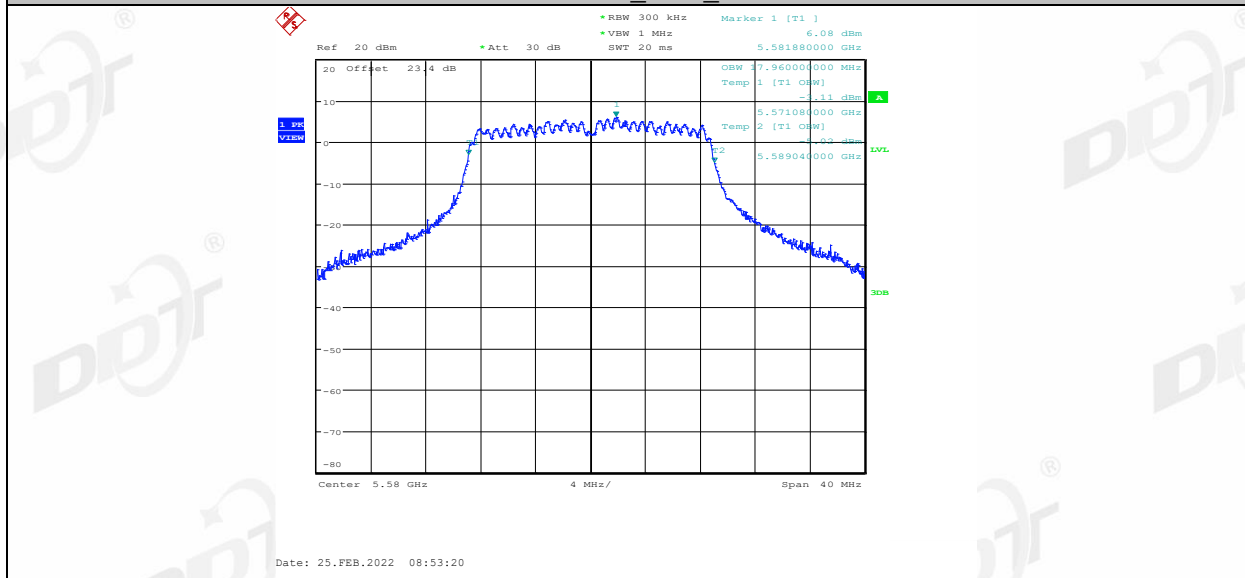
11N20MIMO_Ant2_5500



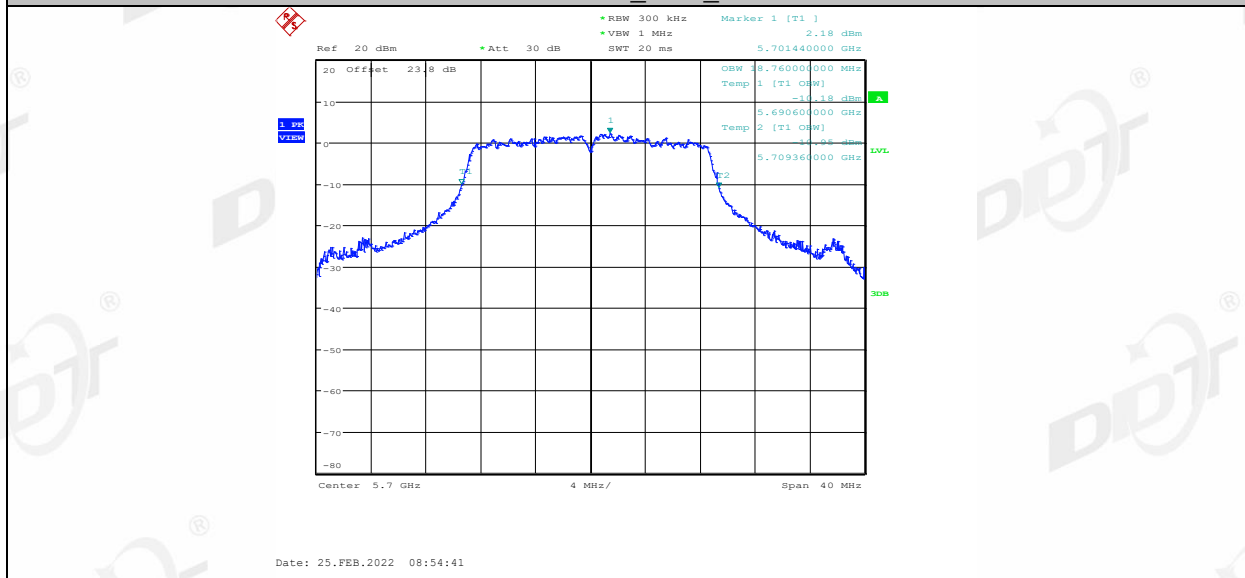
11N20MIMO_Ant1_5580



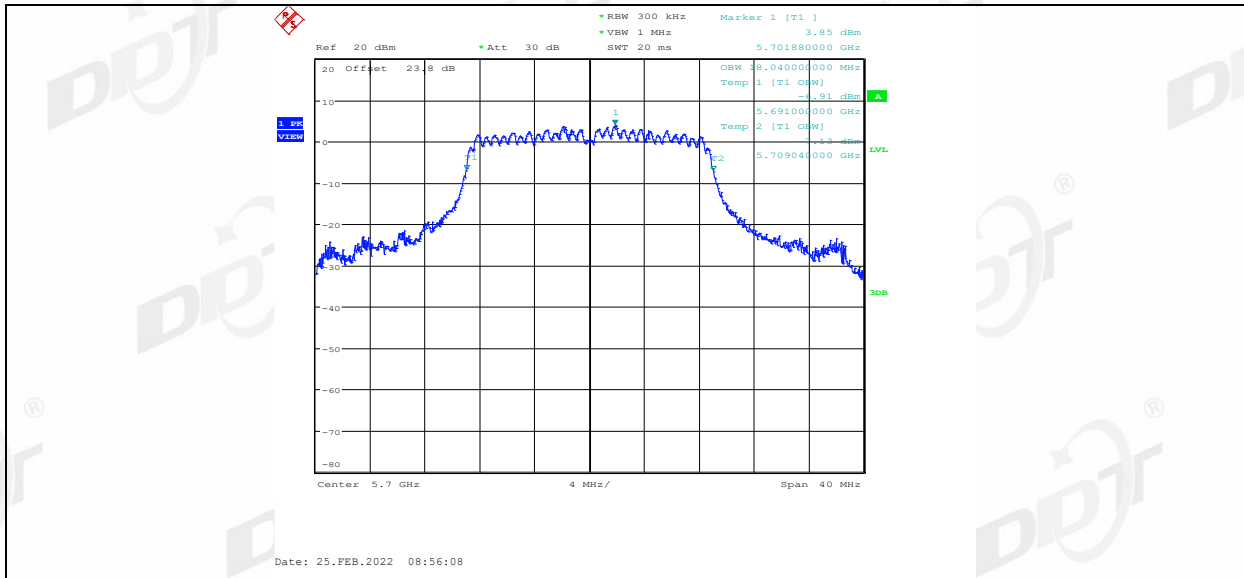
11N20MIMO_Ant2_5580



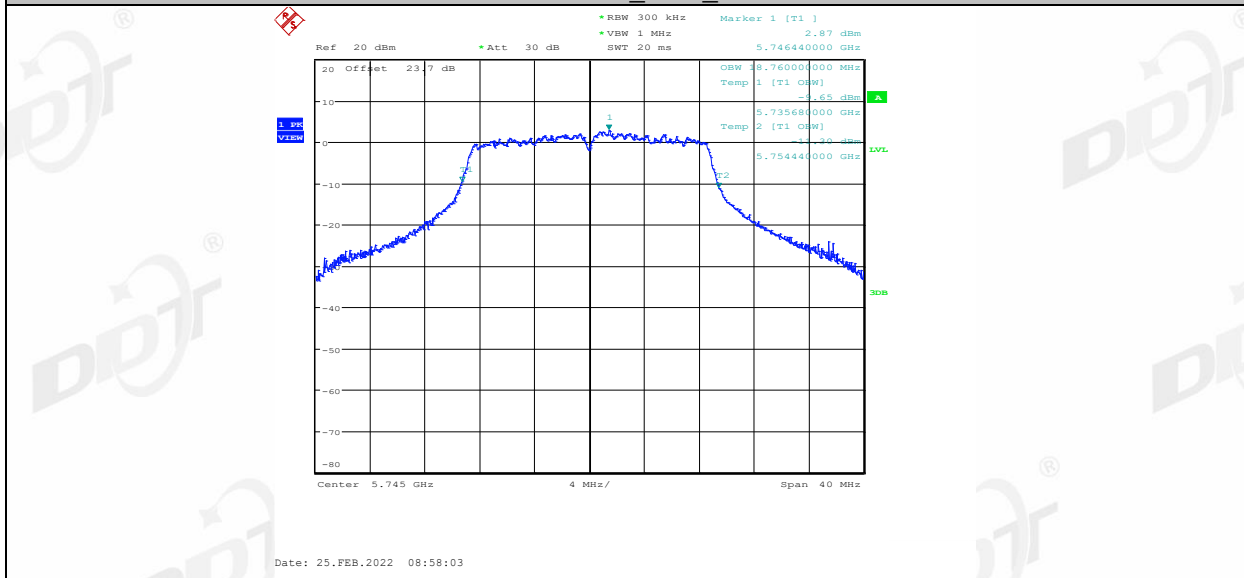
11N20MIMO_Ant1_5700



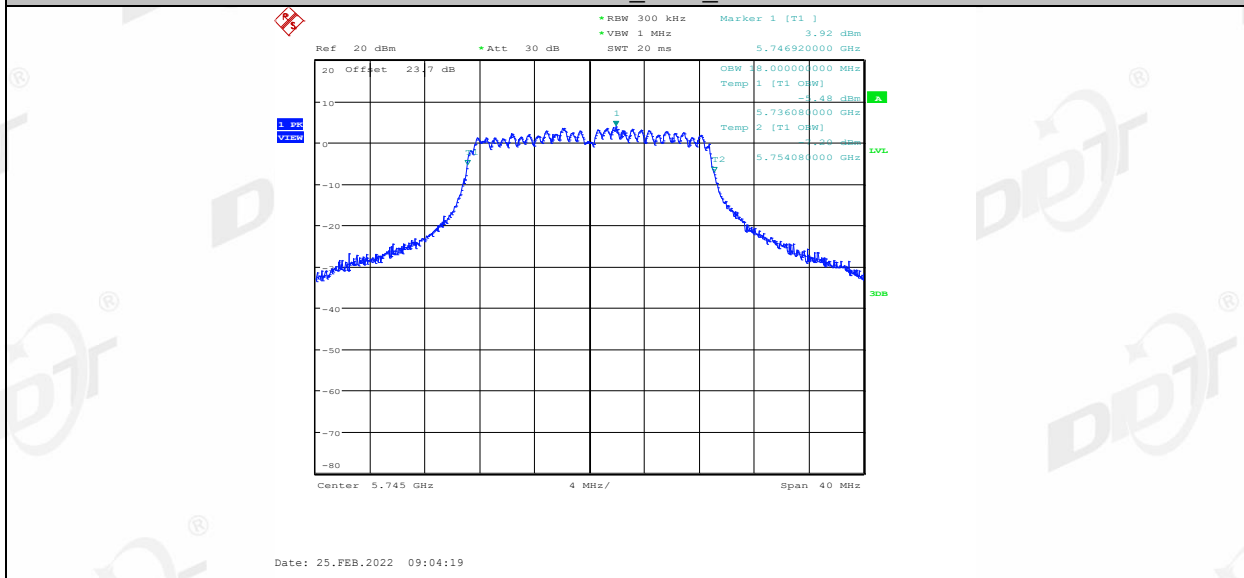
11N20MIMO_Ant2_5700



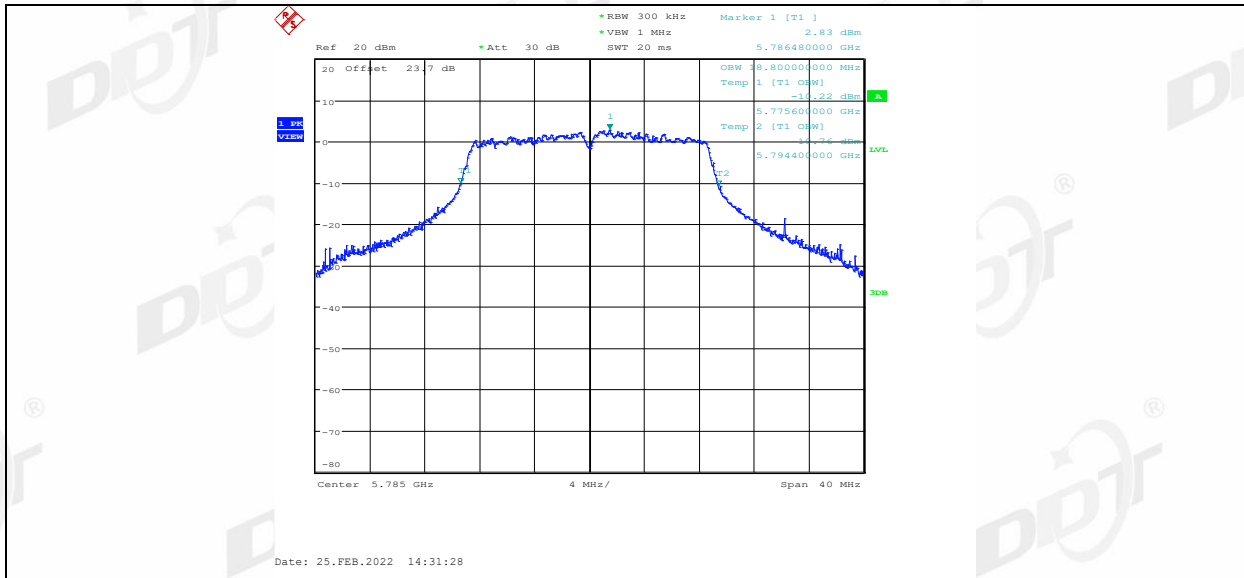
11N20MIMO_Ant1_5745



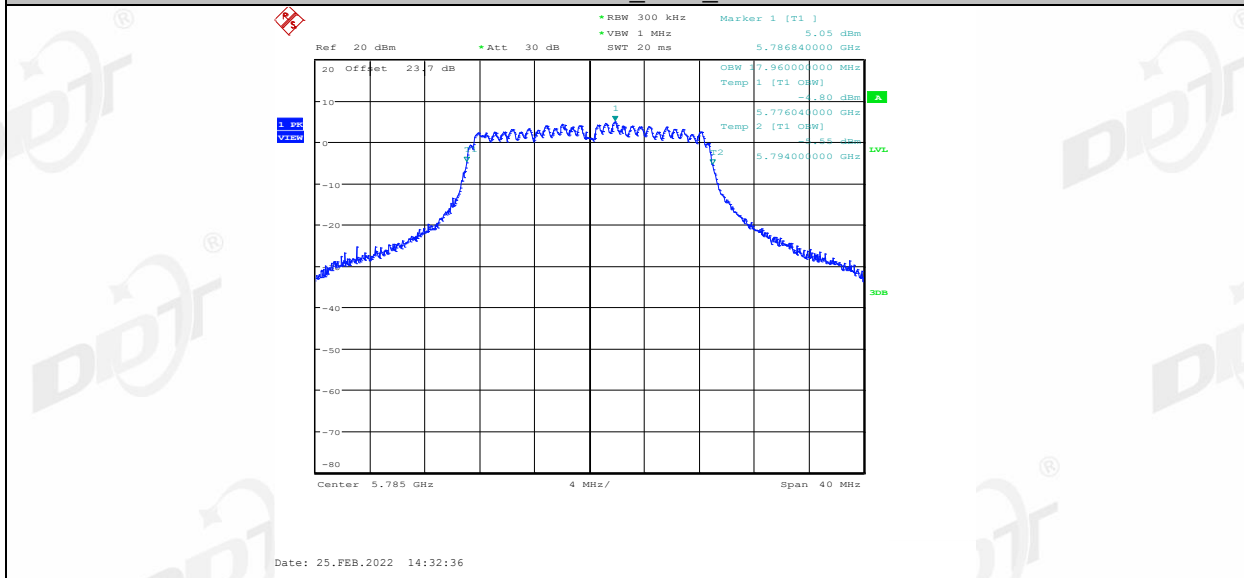
11N20MIMO_Ant2_5745



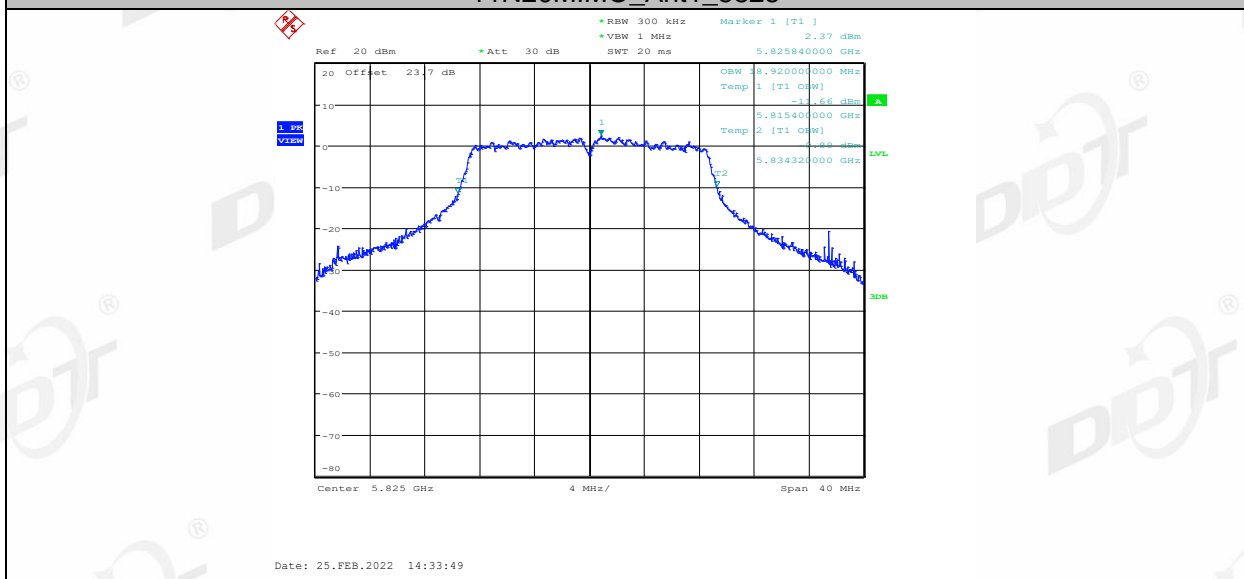
11N20MIMO_Ant1_5785



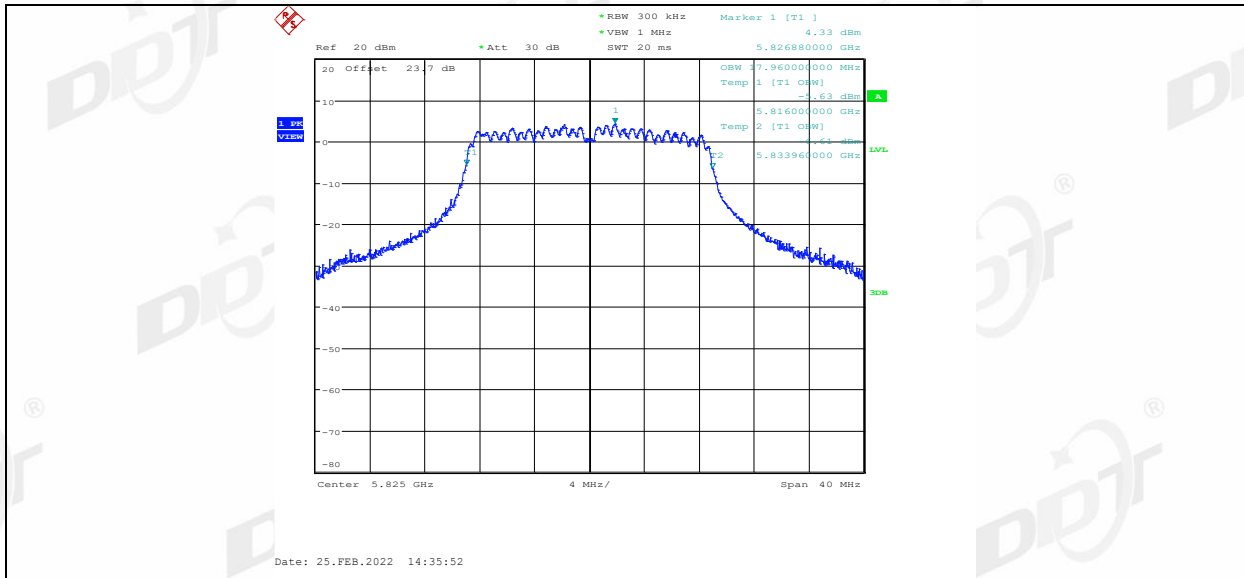
11N20MIMO_Ant2_5785



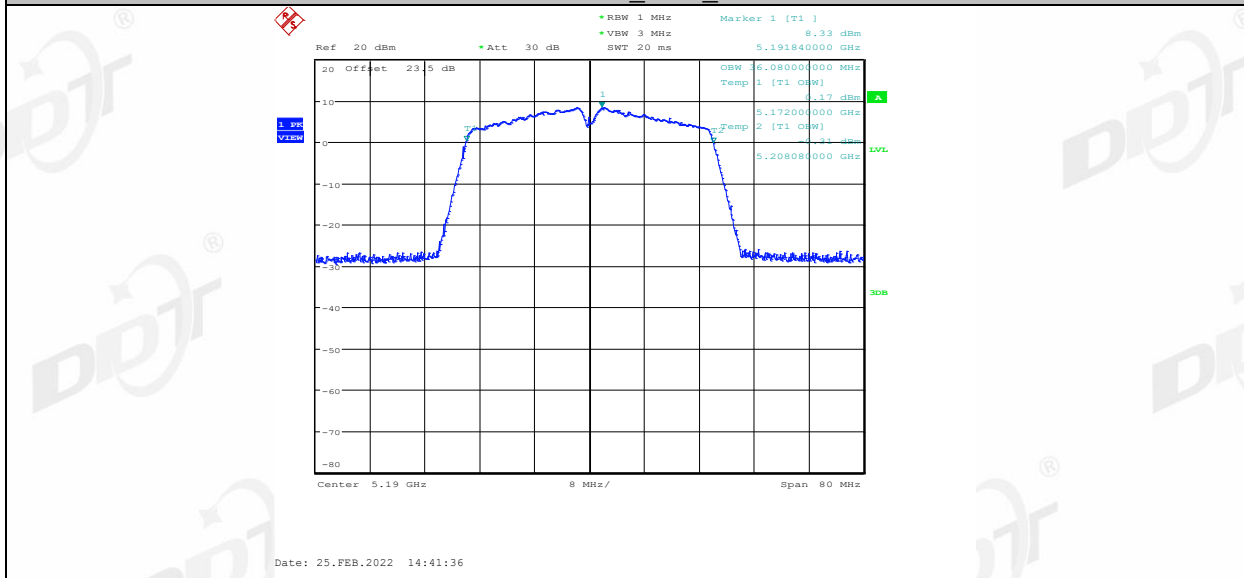
11N20MIMO_Ant1_5825



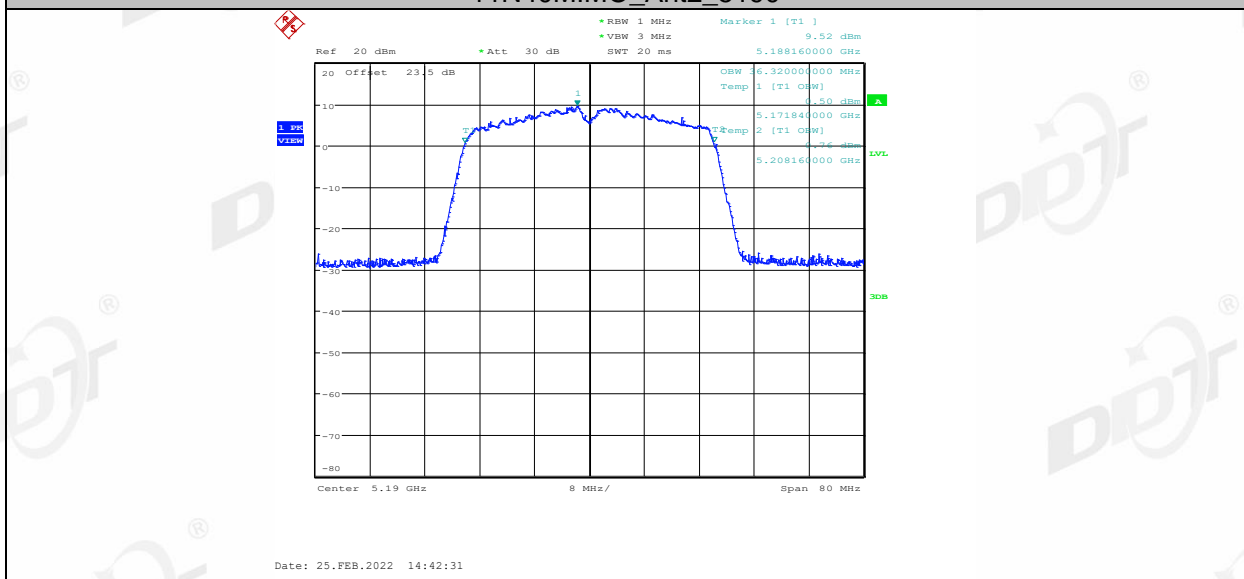
11N20MIMO_Ant2_5825



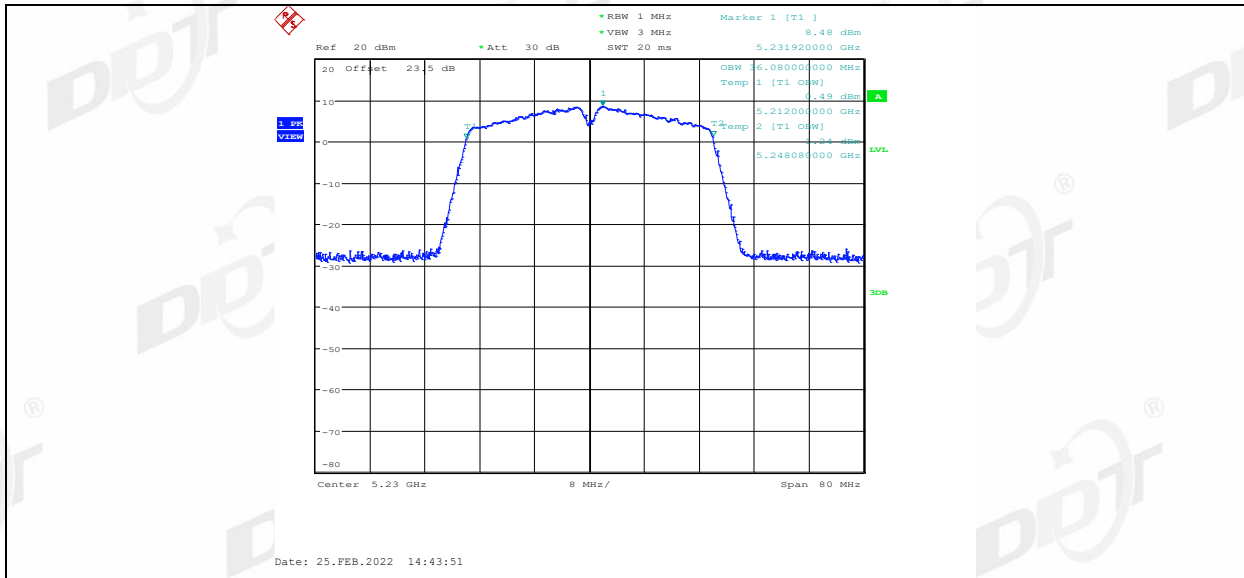
11N40MIMO_Ant1_5190



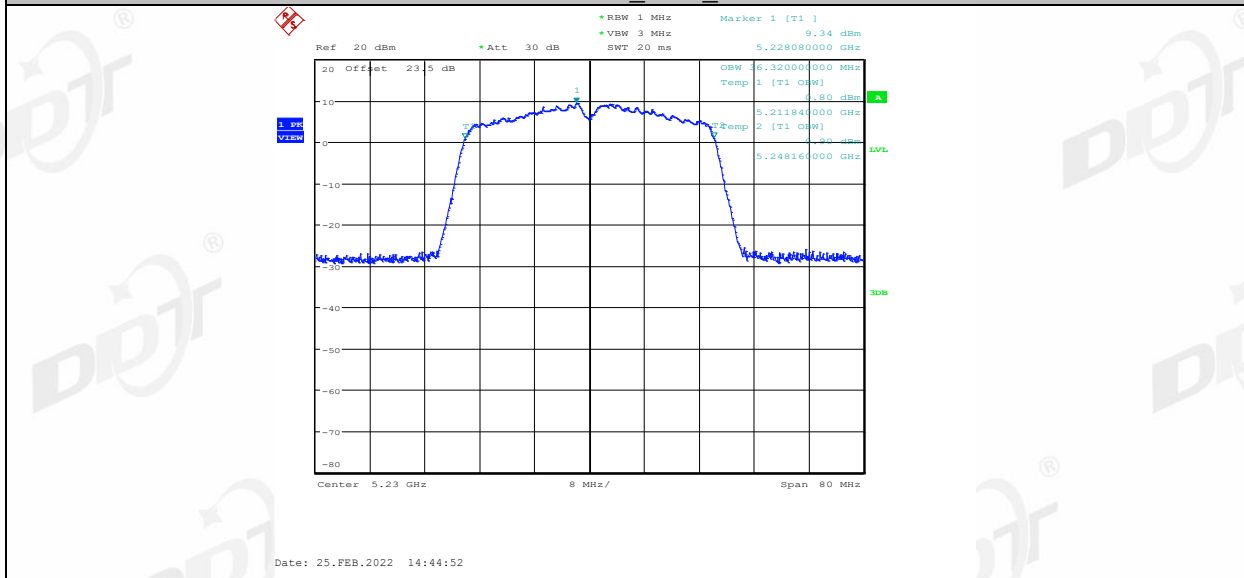
11N40MIMO_Ant2_5190



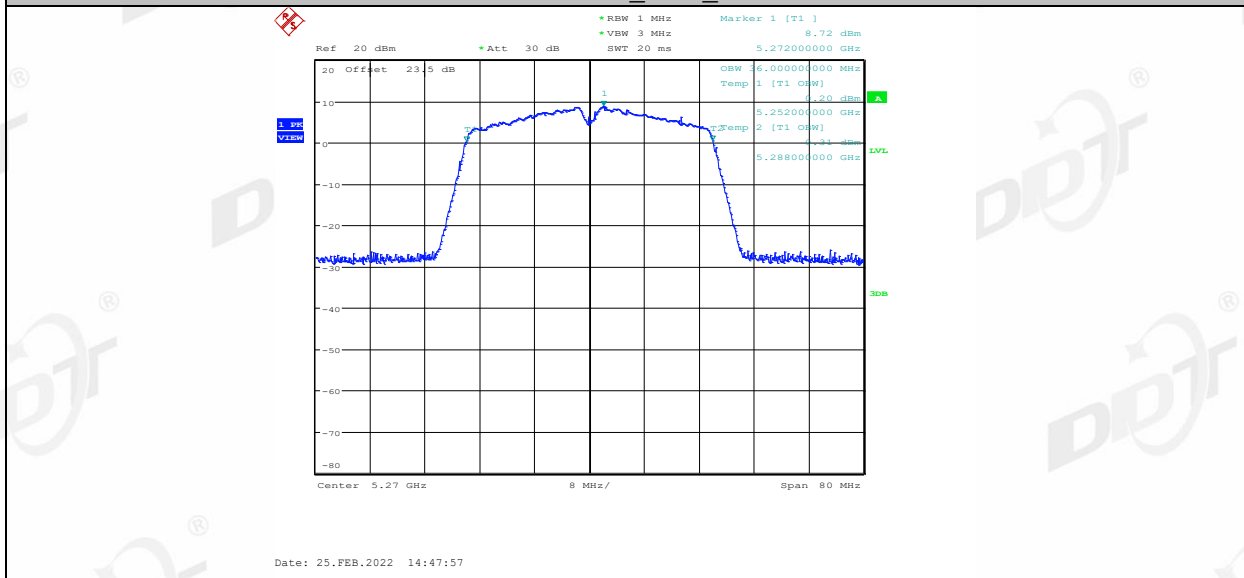
11N40MIMO_Ant1_5230



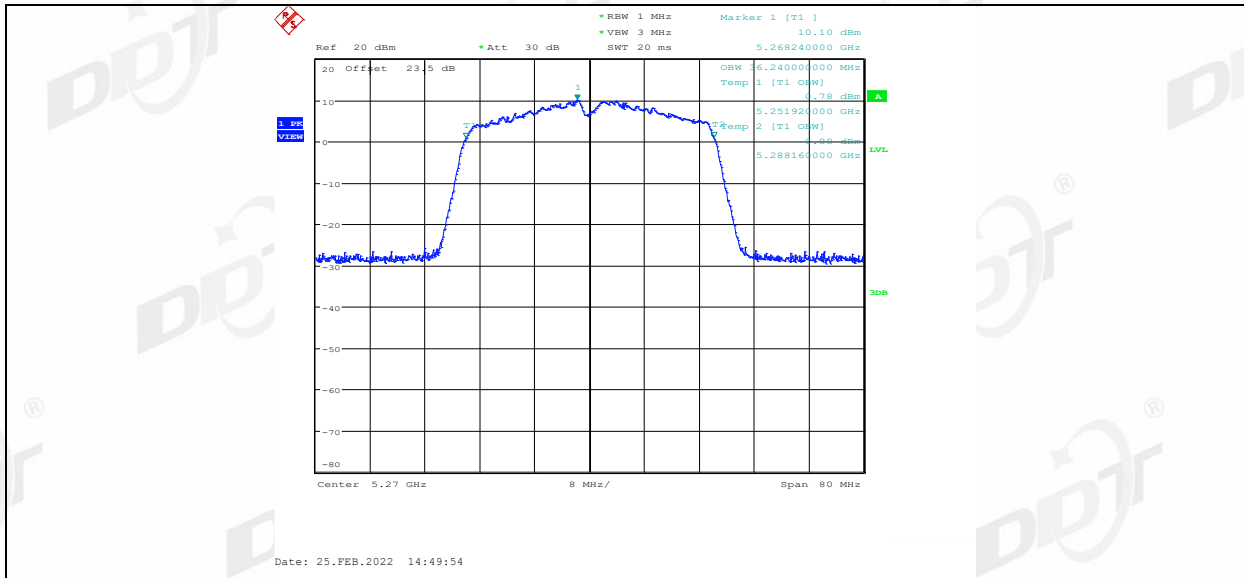
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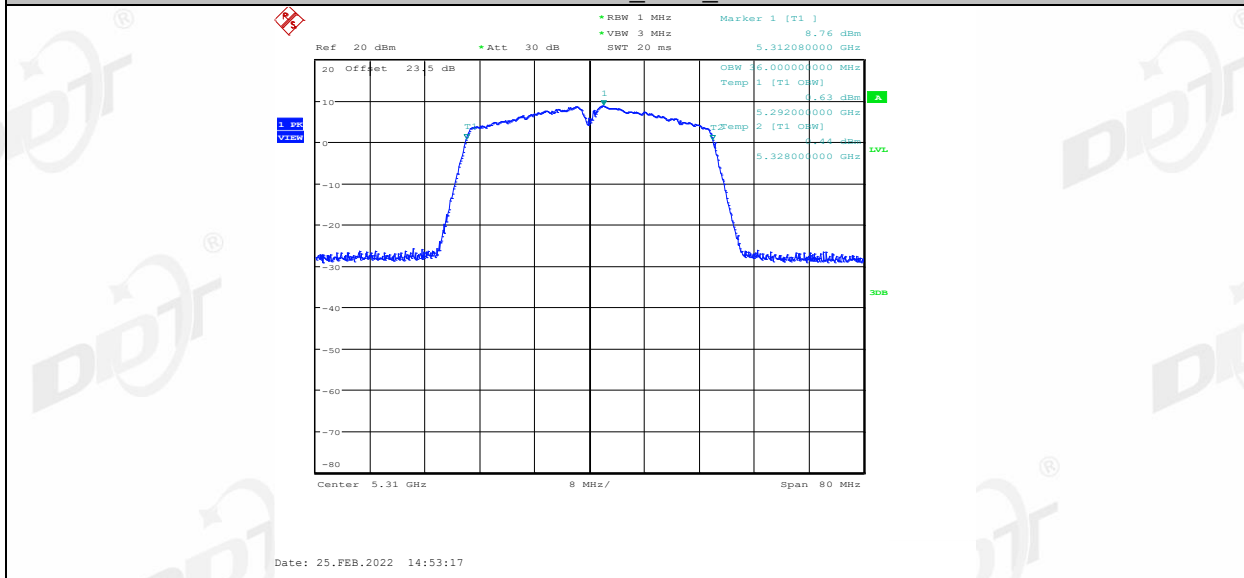
11N40MIMO_Ant1_5270



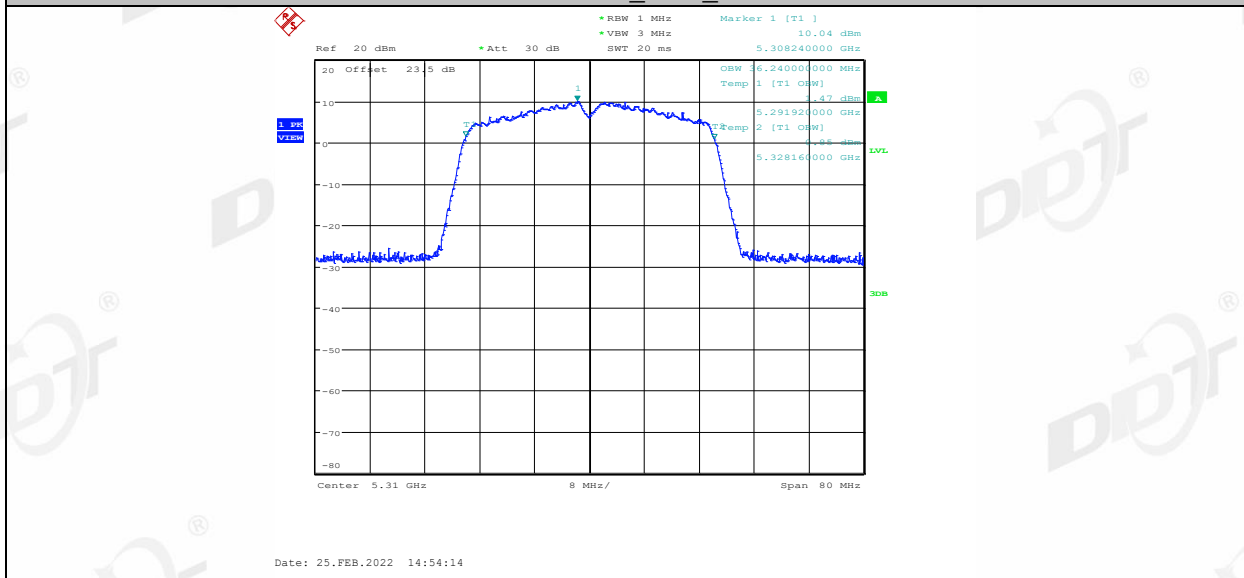
11N40MIMO_Ant2_5270



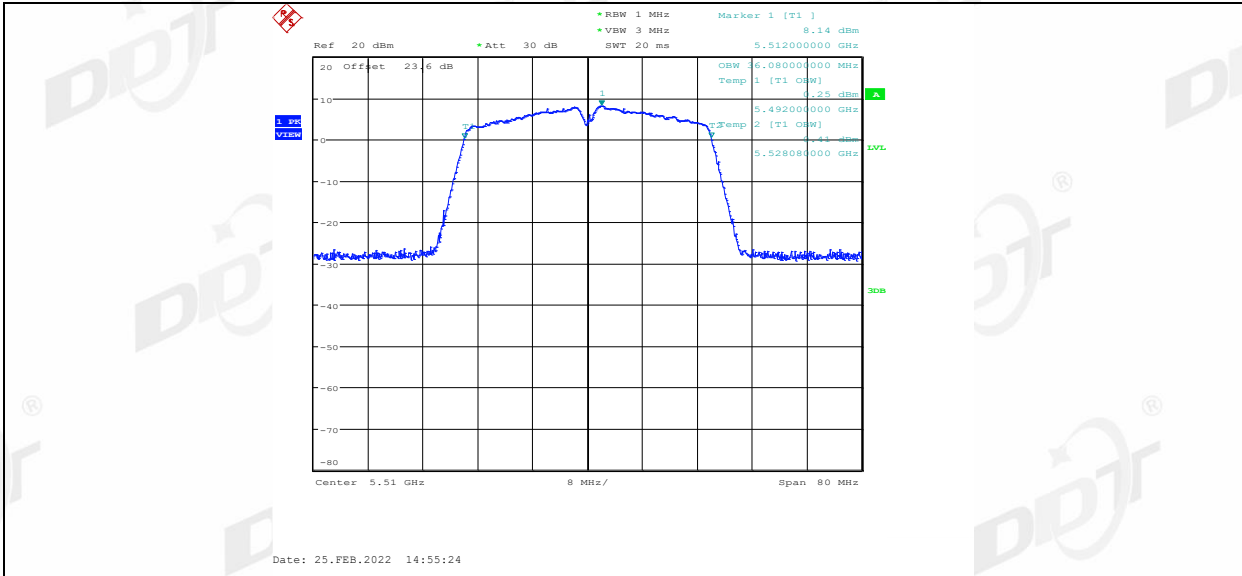
11N40MIMO_Ant1_5310



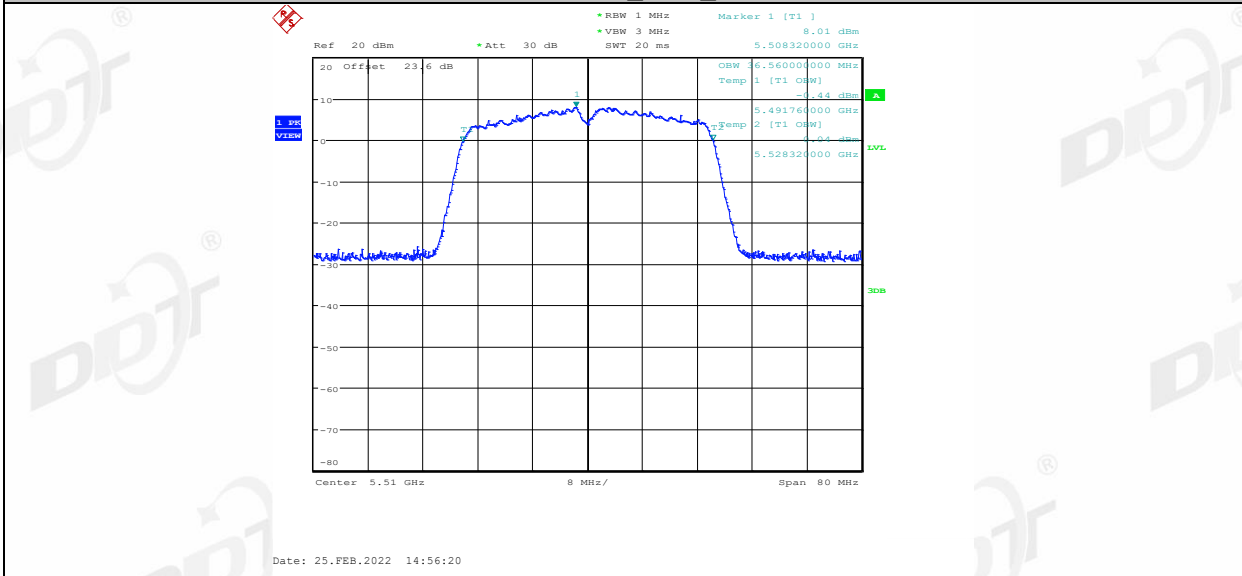
11N40MIMO_Ant2_5310



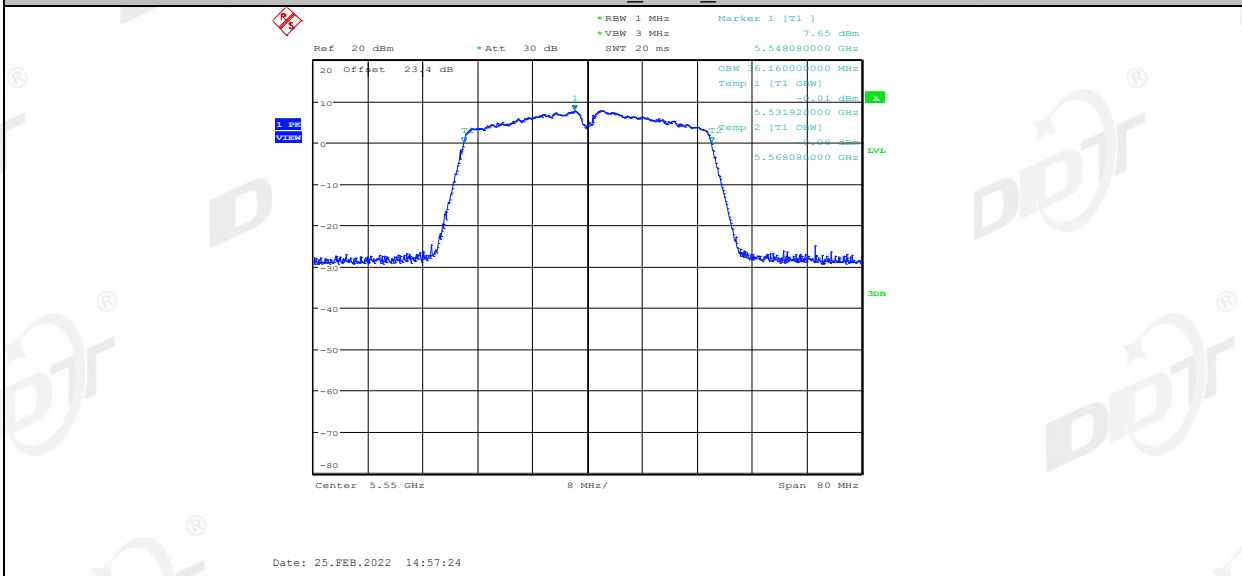
11N40MIMO_Ant1_5510



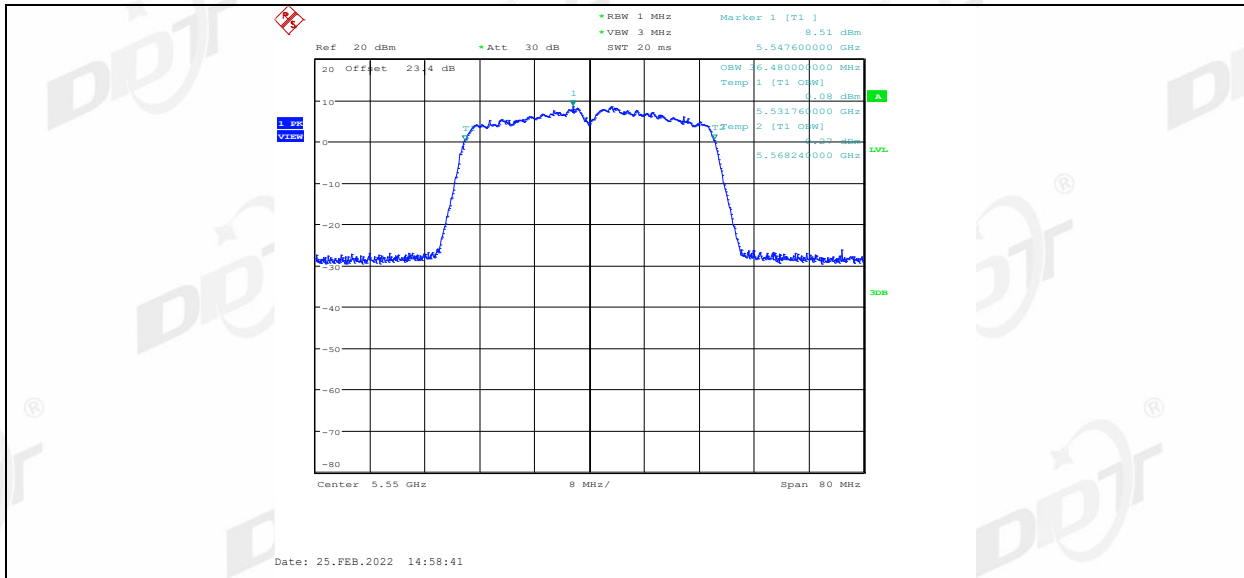
11N40MIMO_Ant2_5510



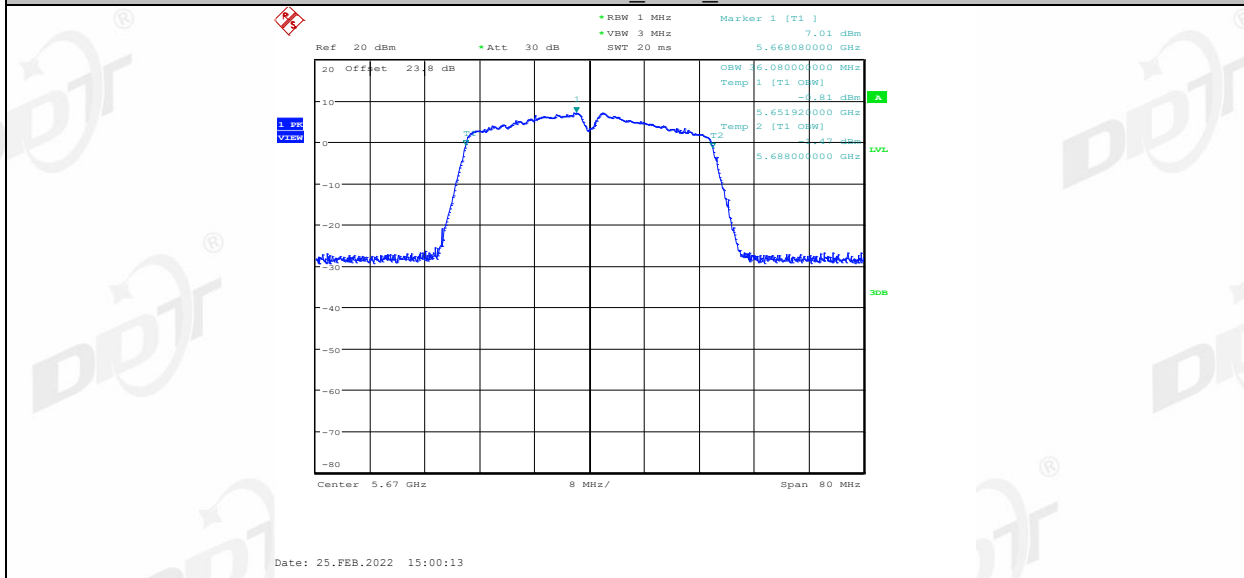
11N40MIMO_Ant1_5550



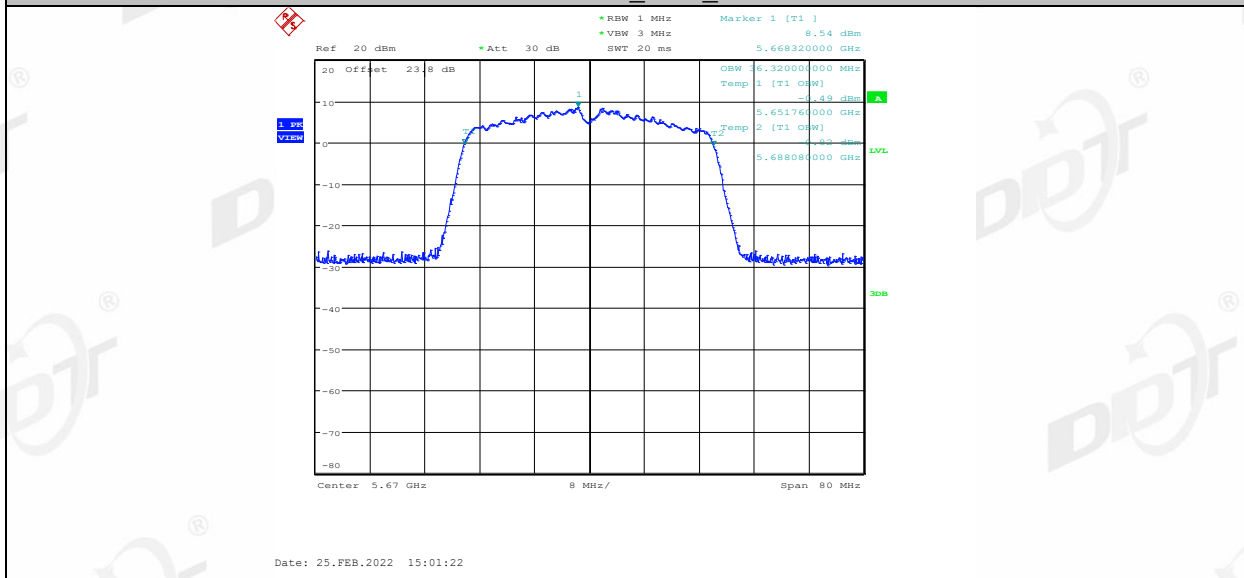
11N40MIMO_Ant2_5550



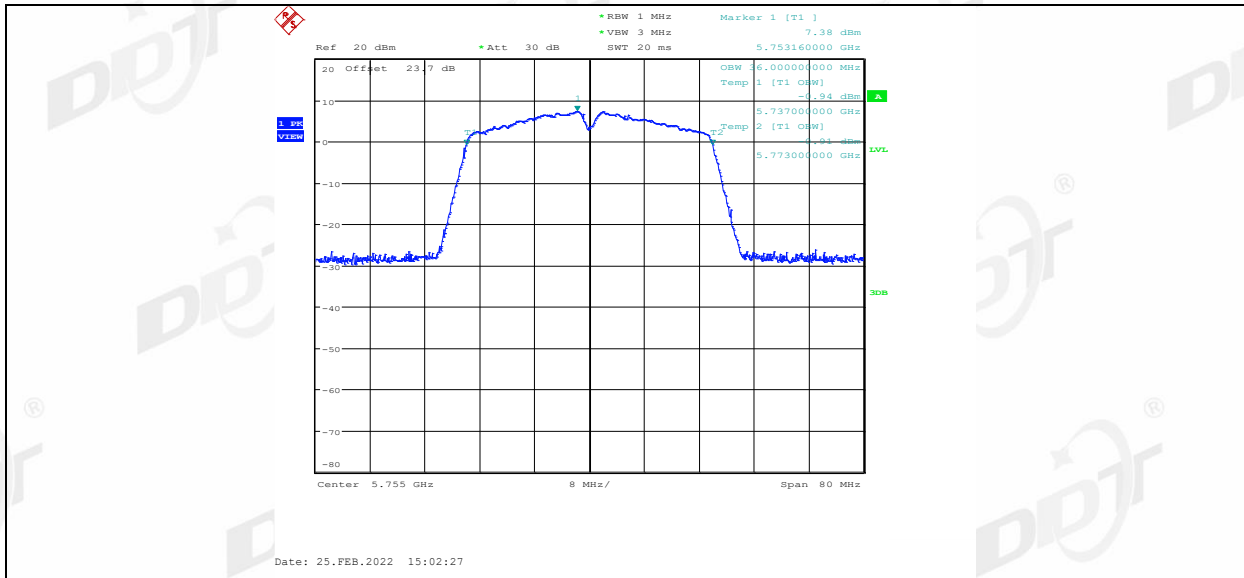
11N40MIMO_Ant1_5670



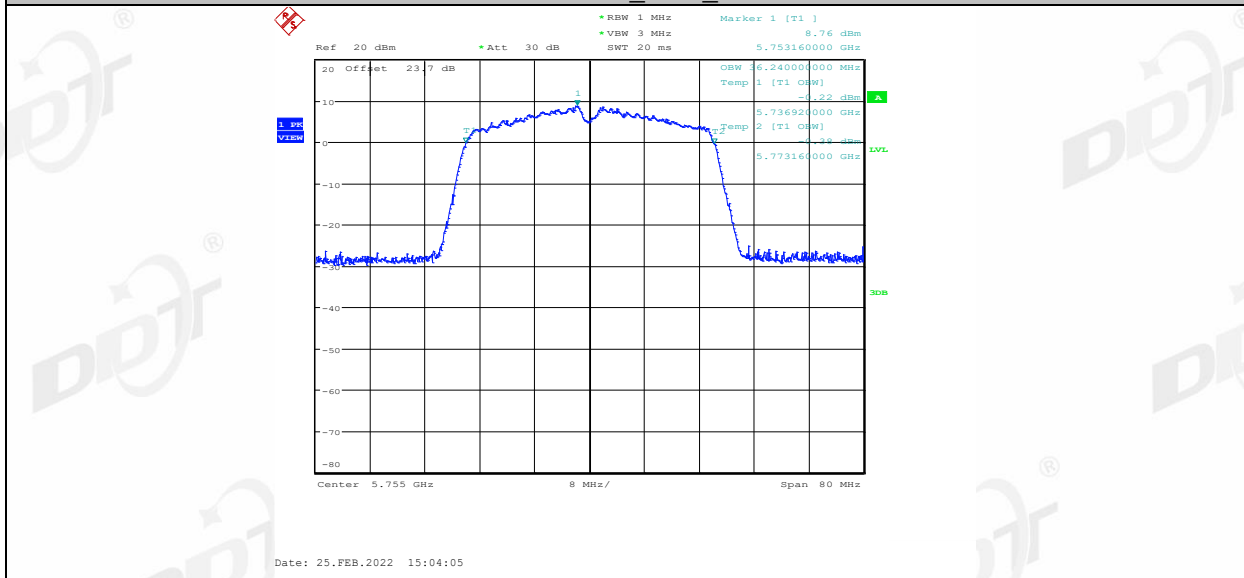
11N40MIMO_Ant2_5670



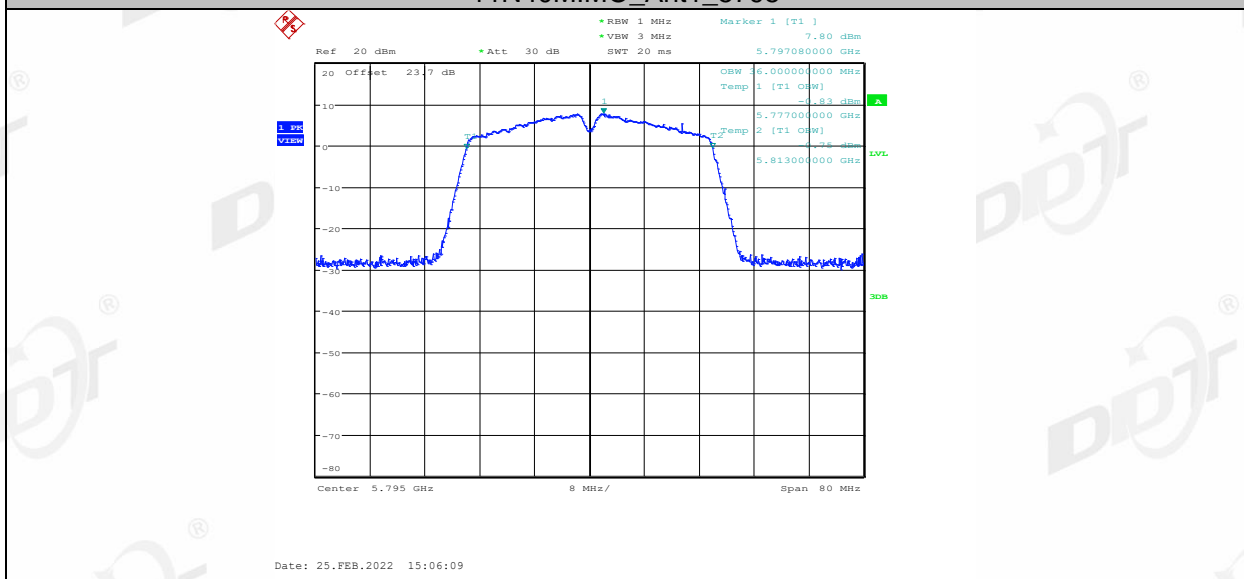
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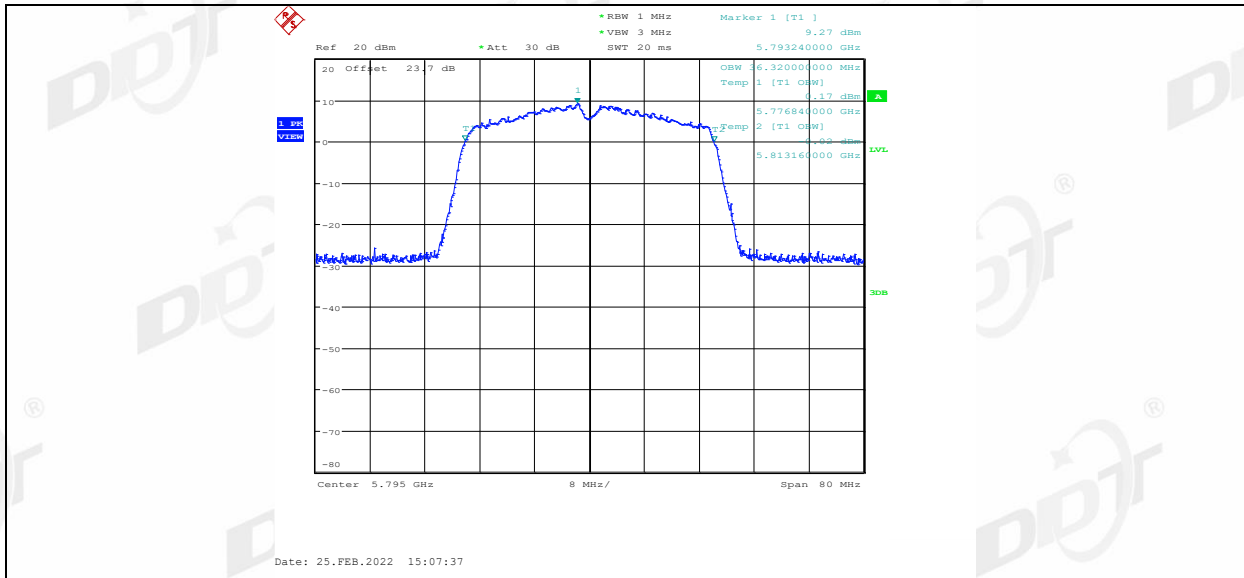
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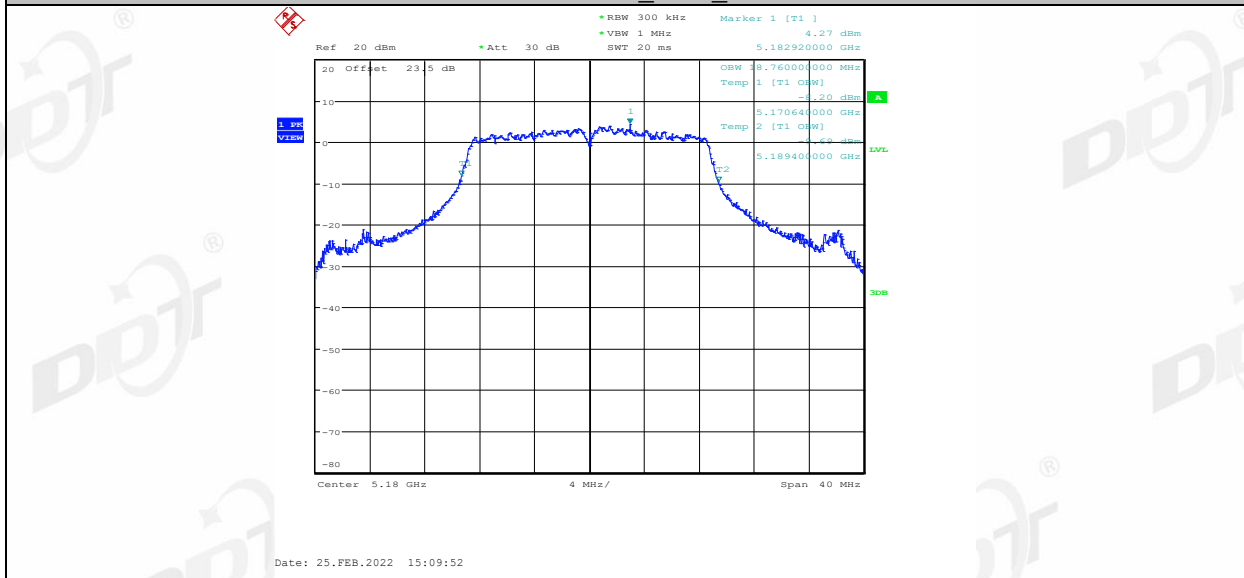
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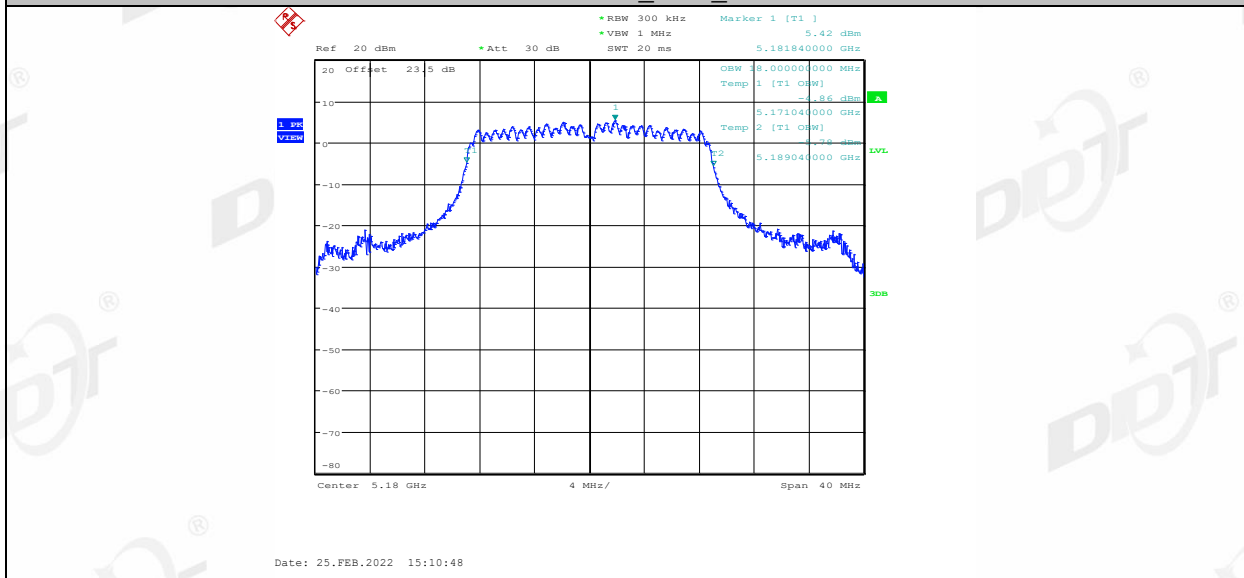
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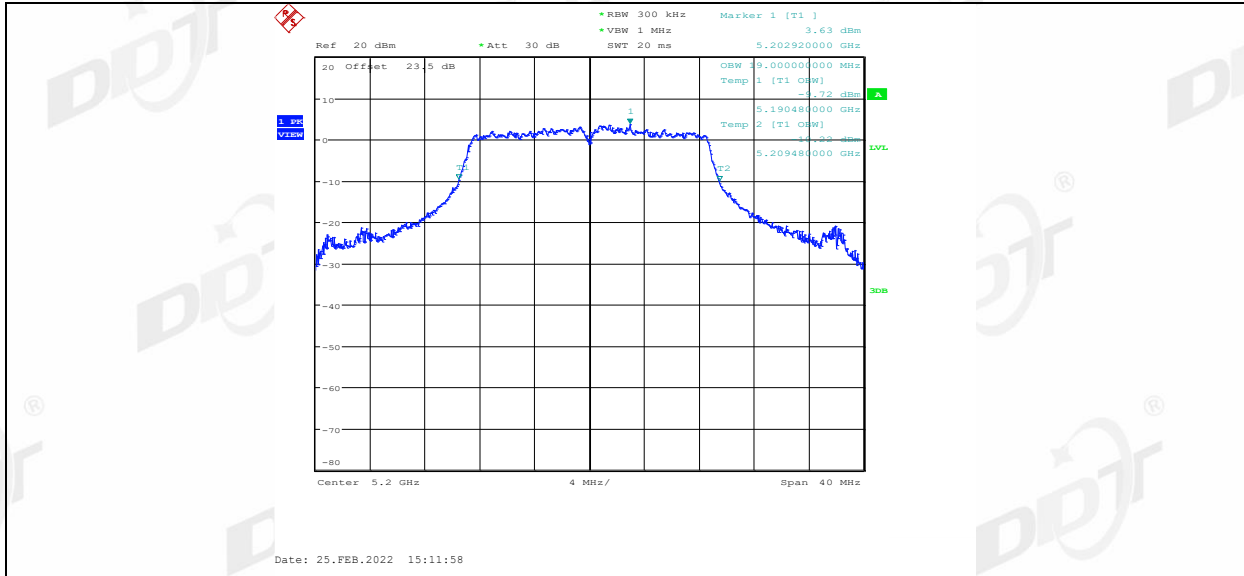
11AC20MIMO_Ant1_5180



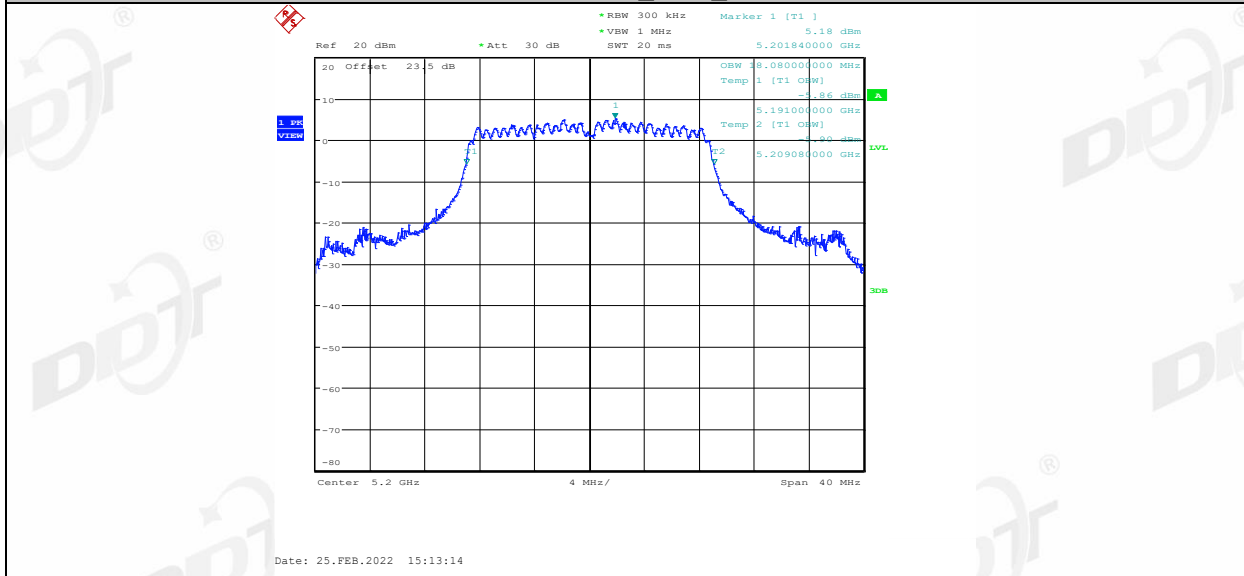
11AC20MIMO_Ant2_5180



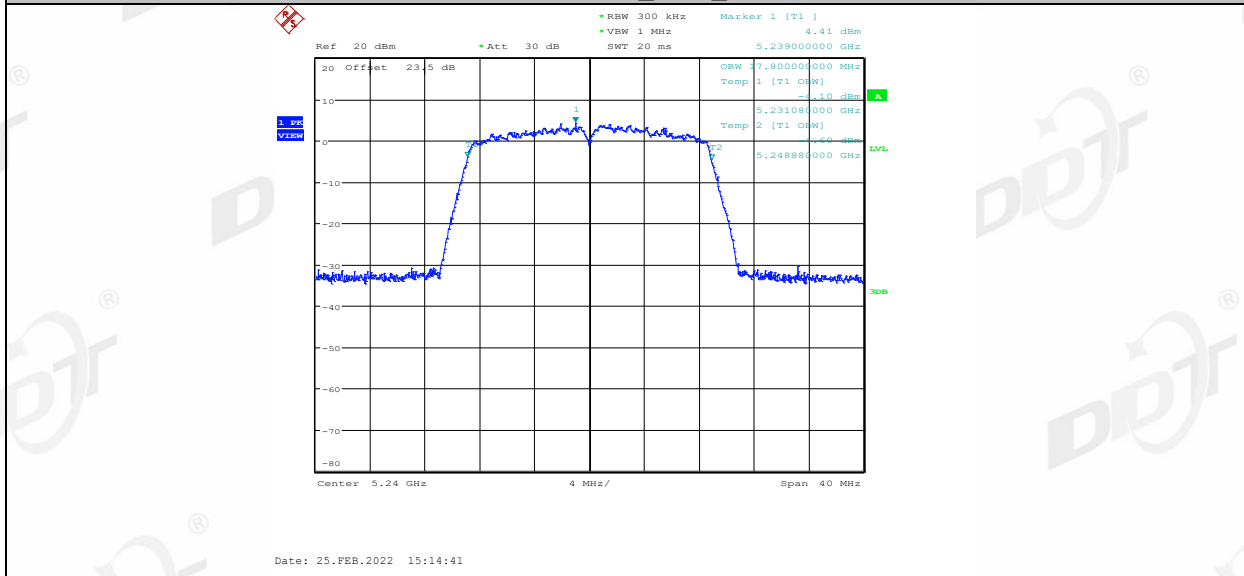
11AC20MIMO_Ant1_5200



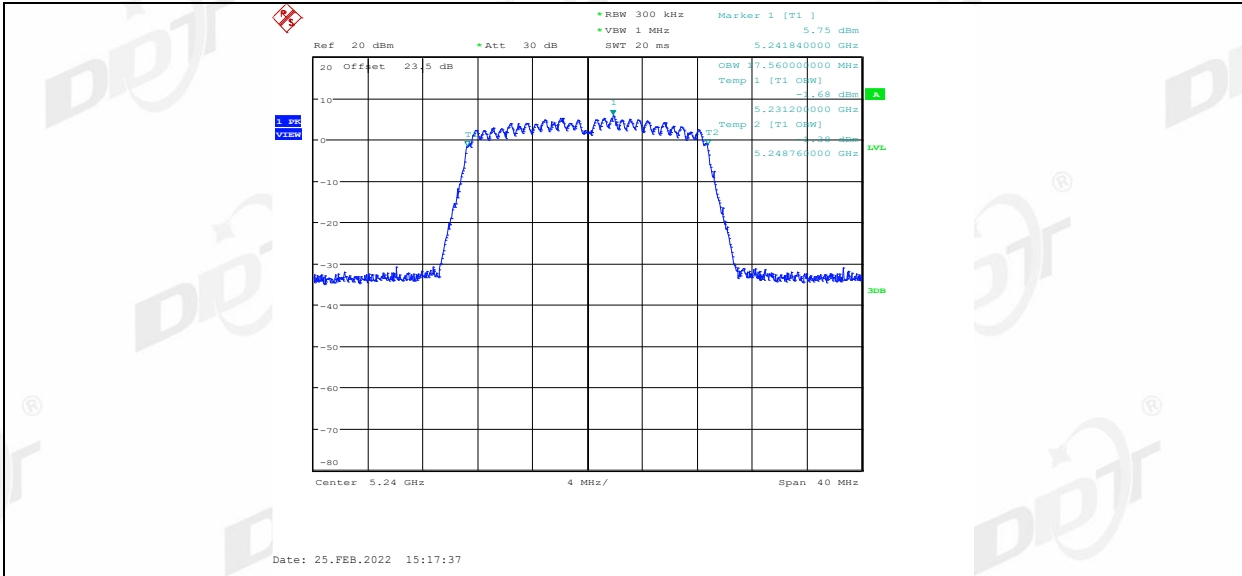
11AC20MIMO_Ant2_5200



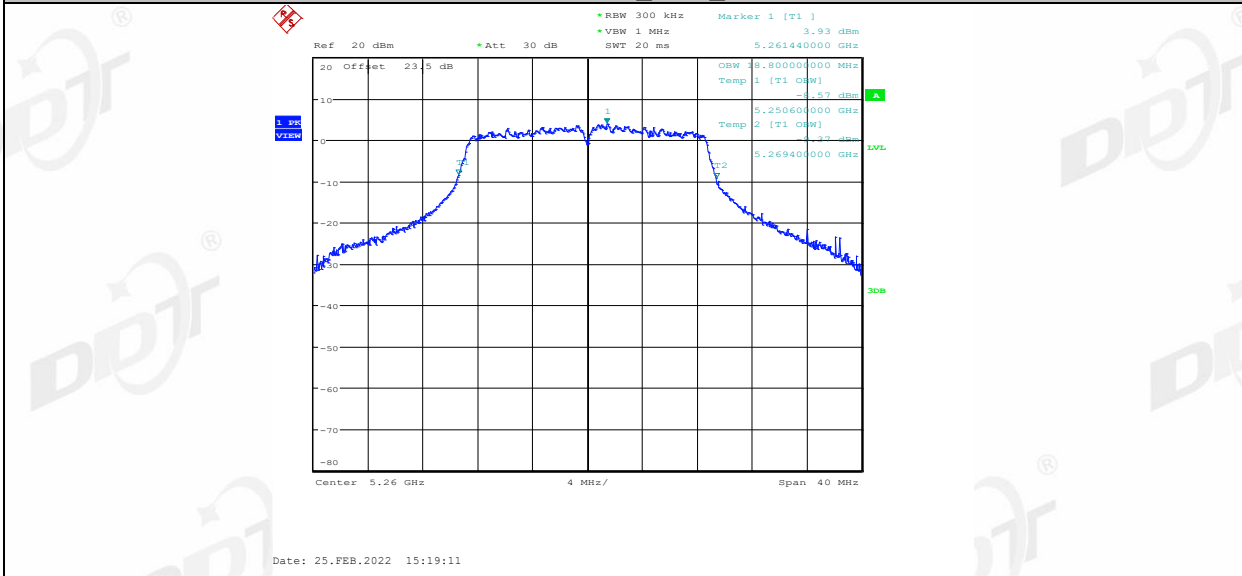
11AC20MIMO_Ant1_5240



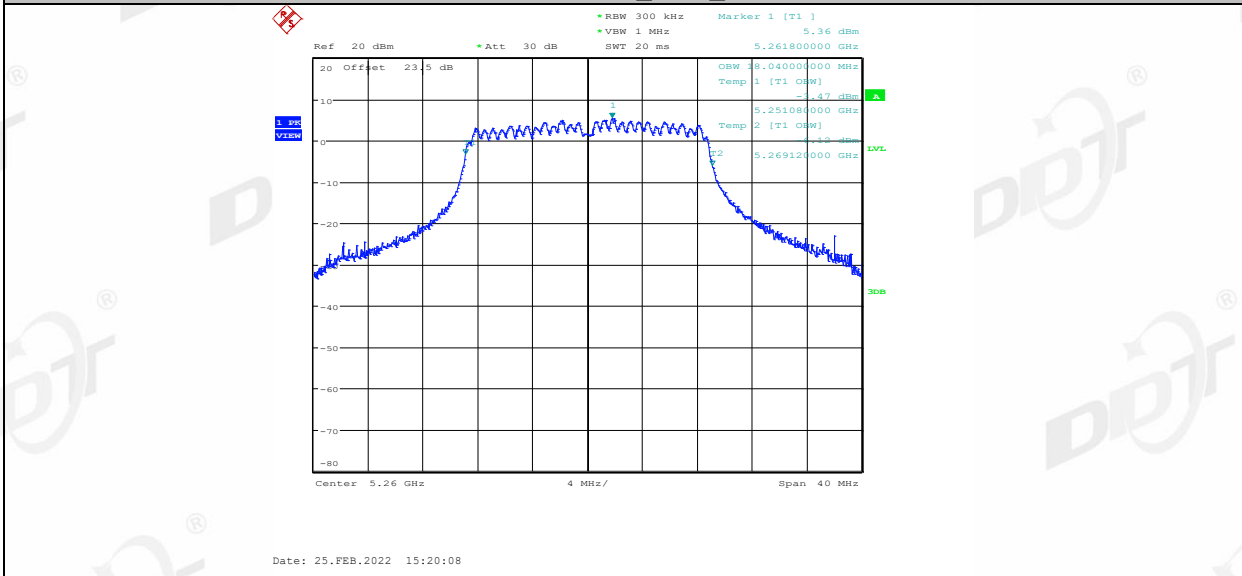
11AC20MIMO_Ant2_5240



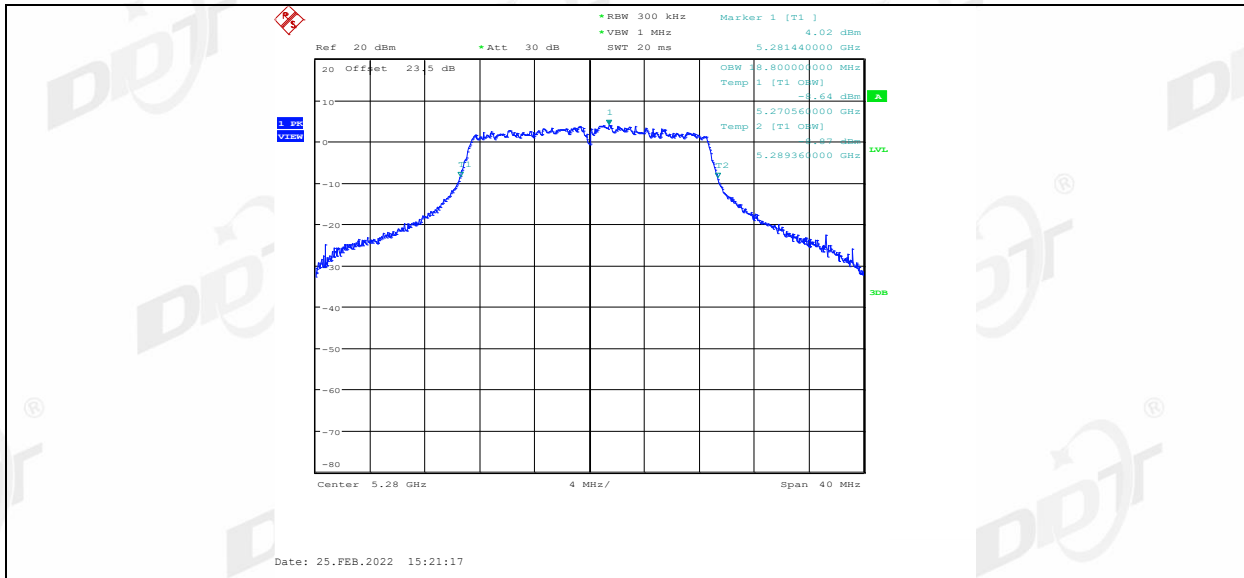
11AC20MIMO_Ant1_5260



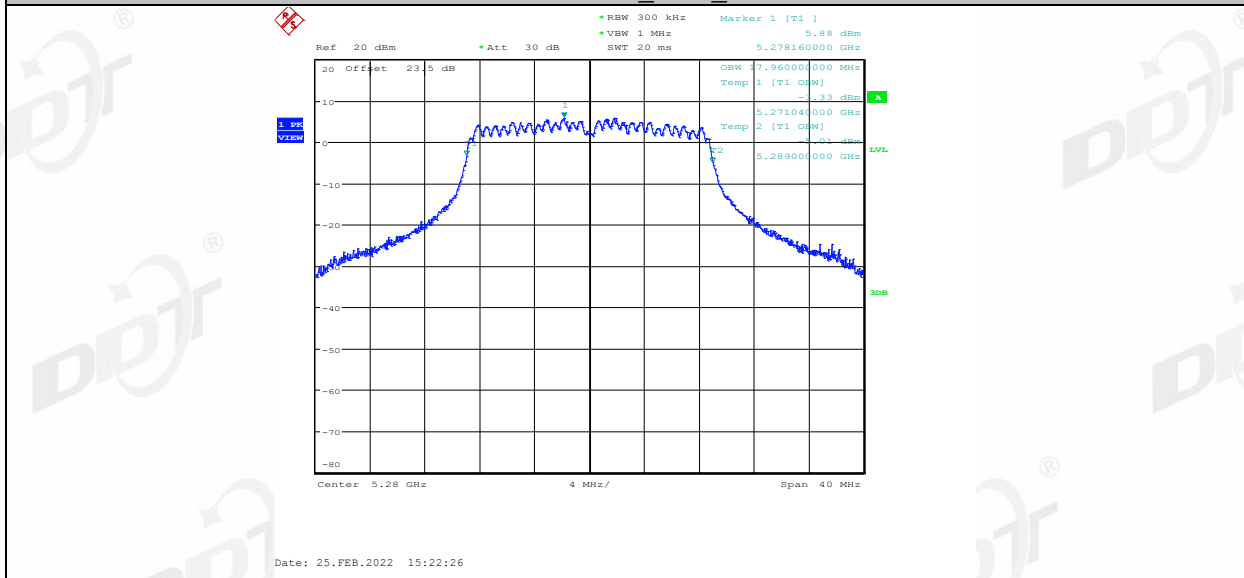
11AC20MIMO_Ant2_5260



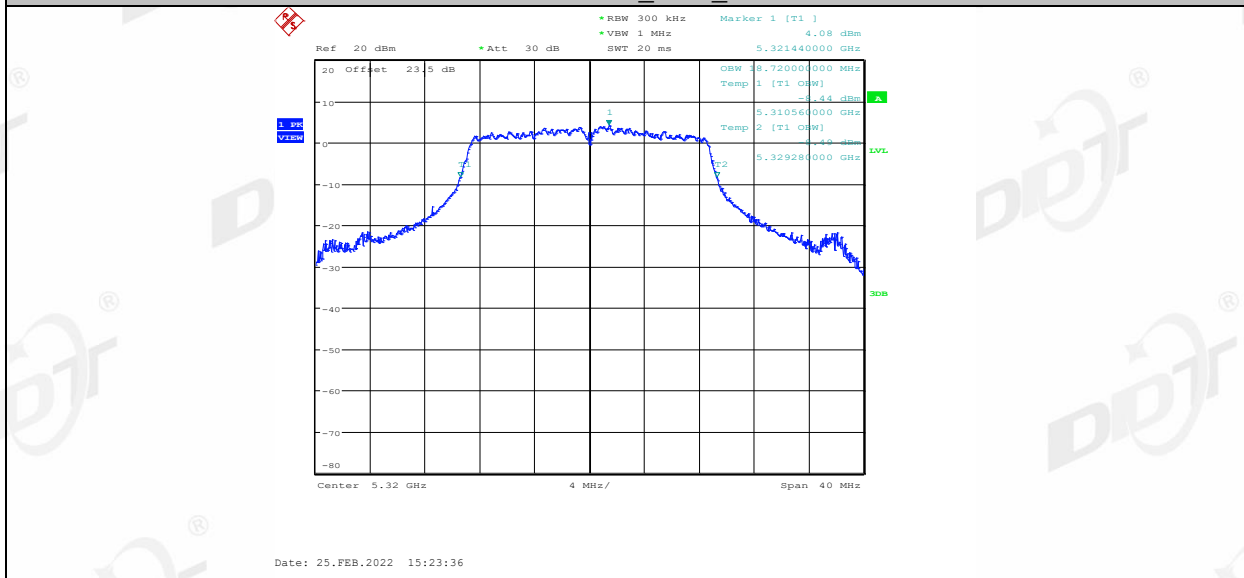
11AC20MIMO_Ant1_5280



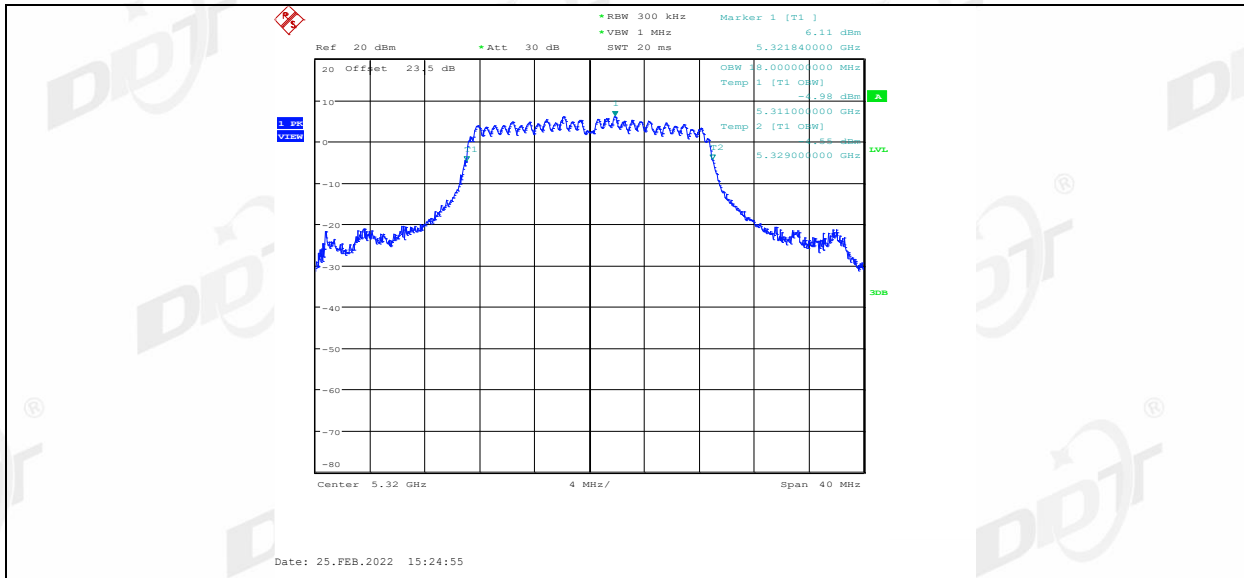
11AC20MIMO_Ant2_5280



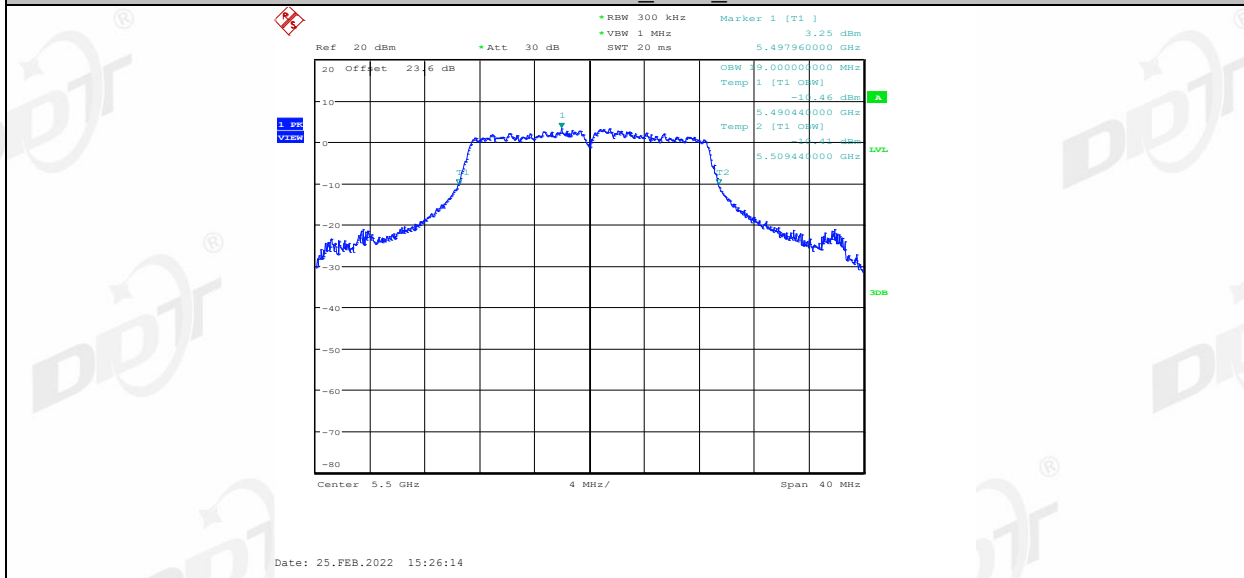
11AC20MIMO_Ant1_5320



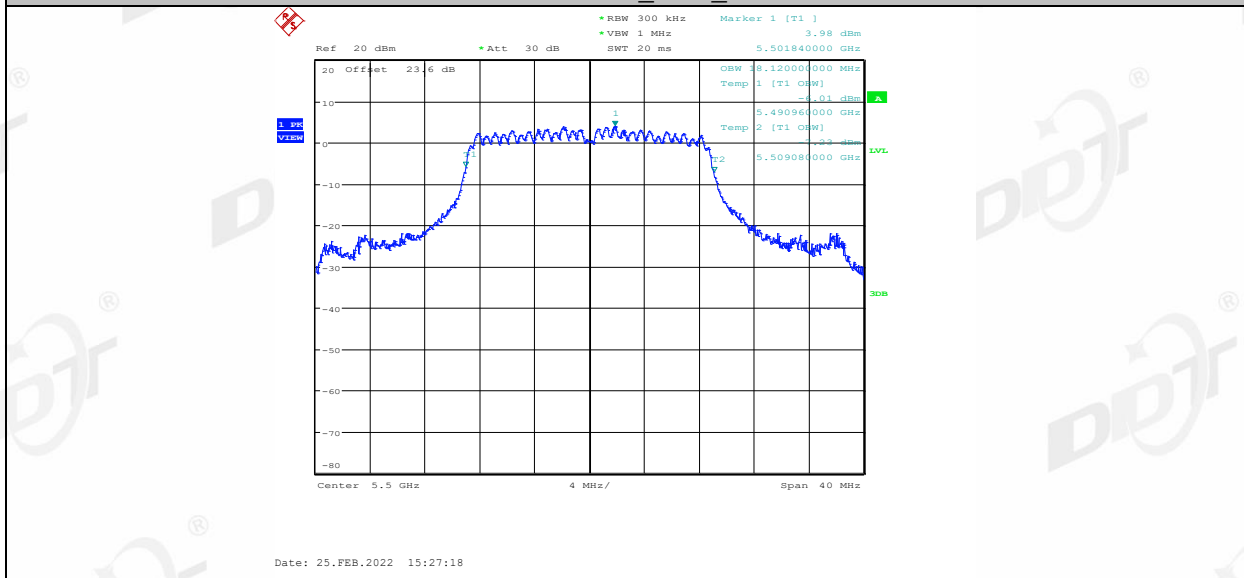
11AC20MIMO_Ant2_5320



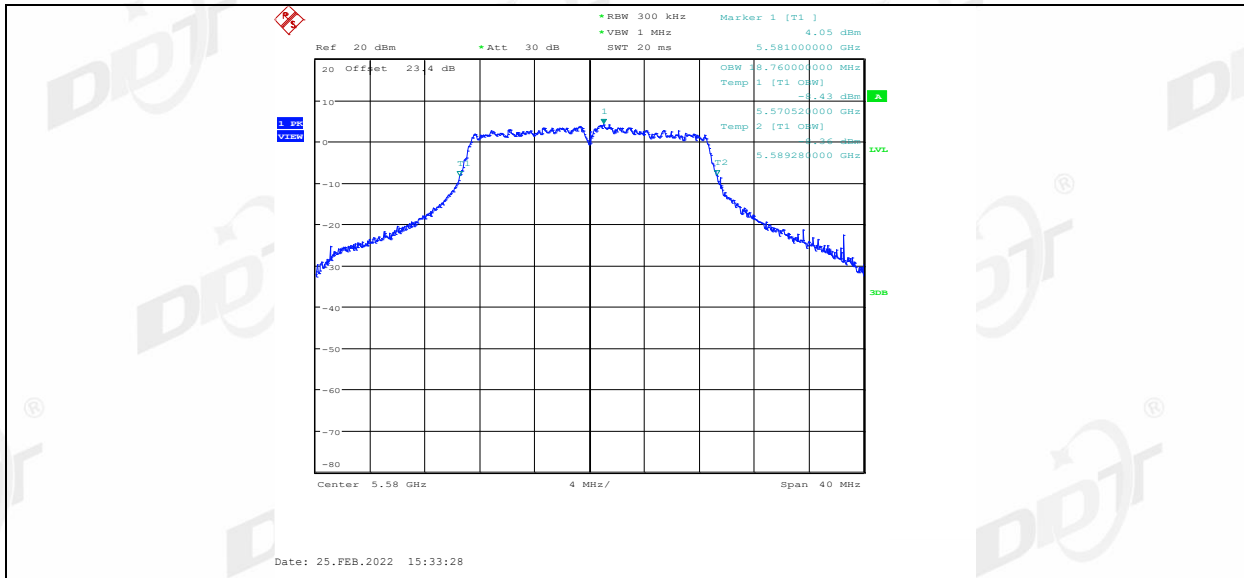
11AC20MIMO_Ant1_5500



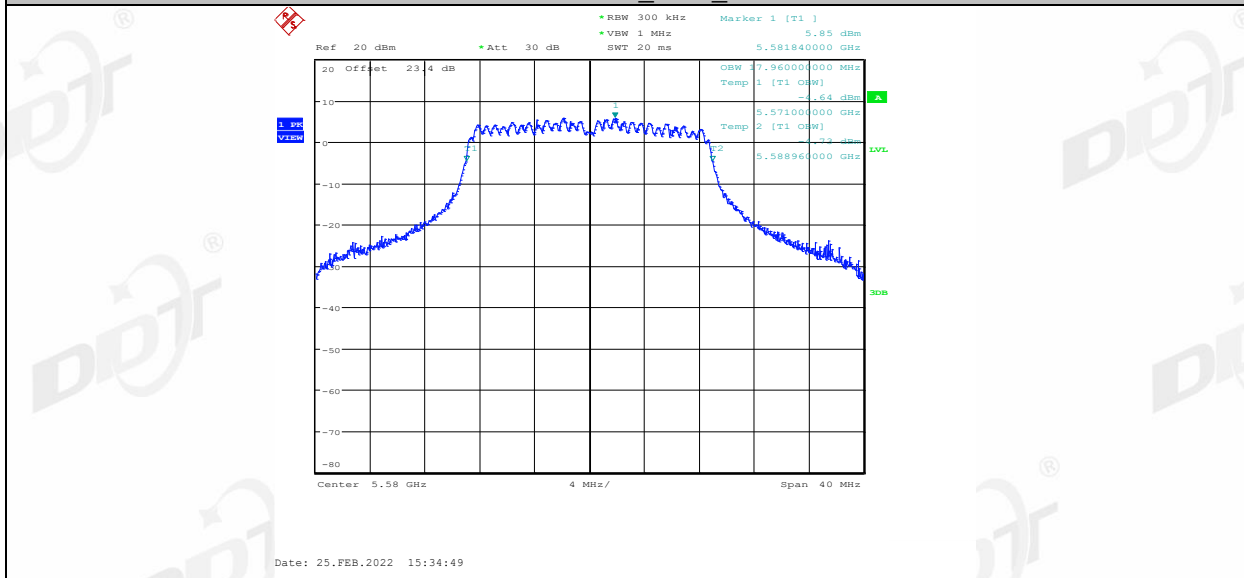
11AC20MIMO_Ant2_5500



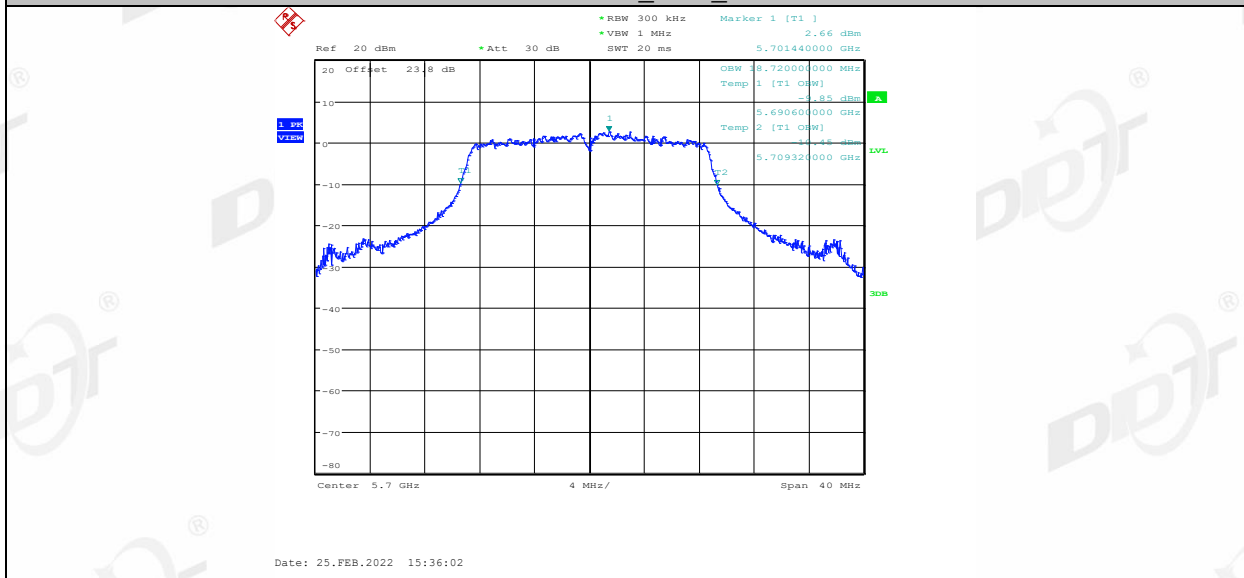
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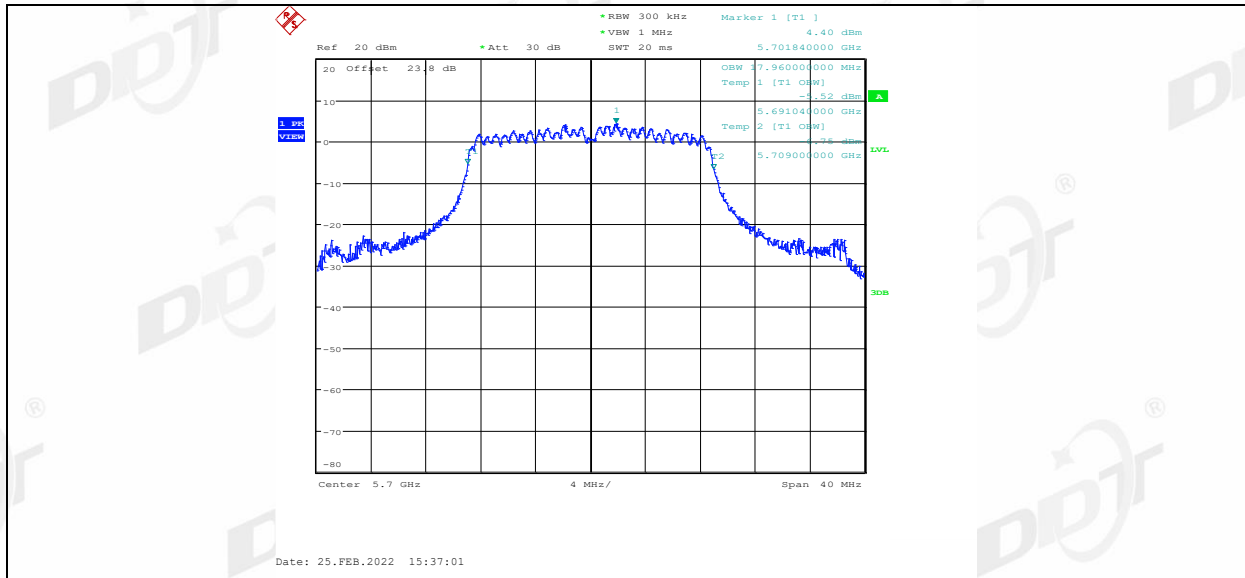
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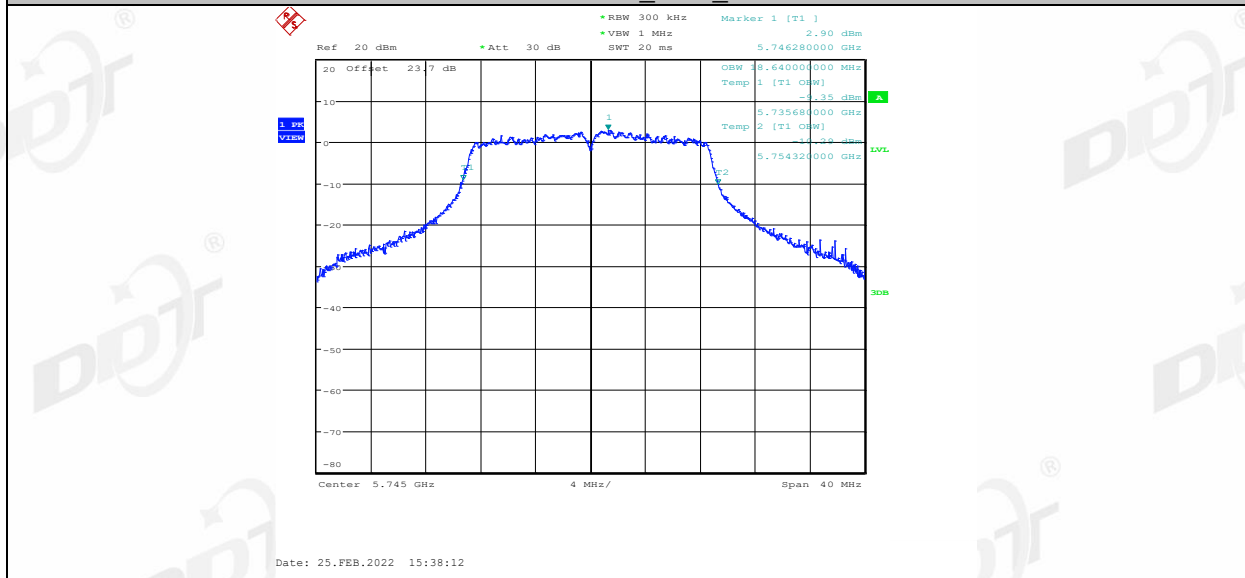
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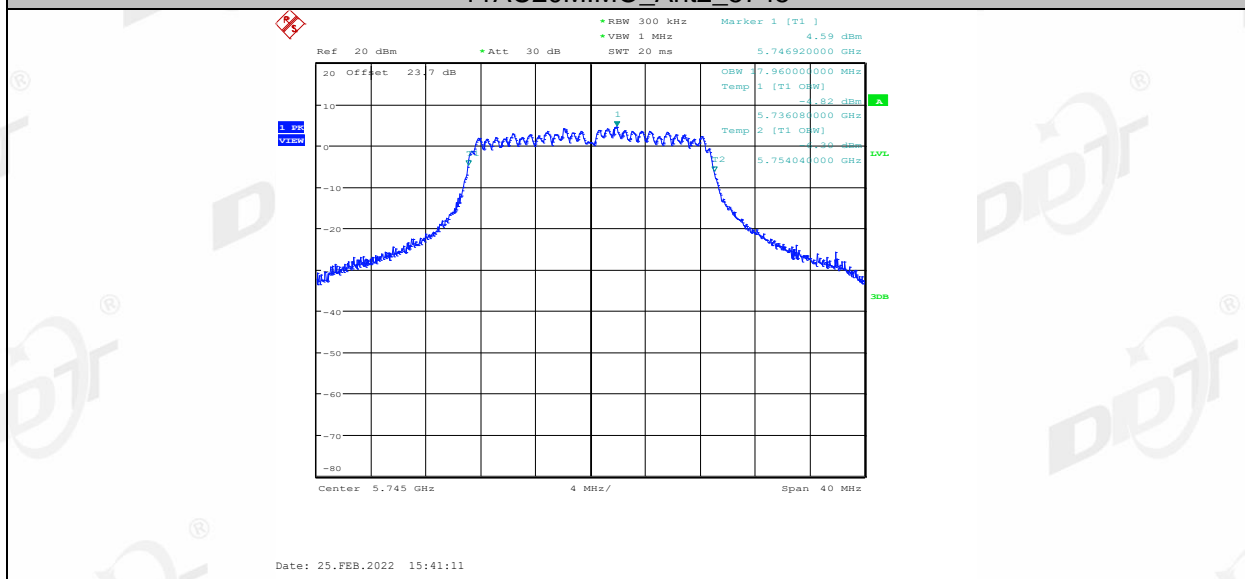
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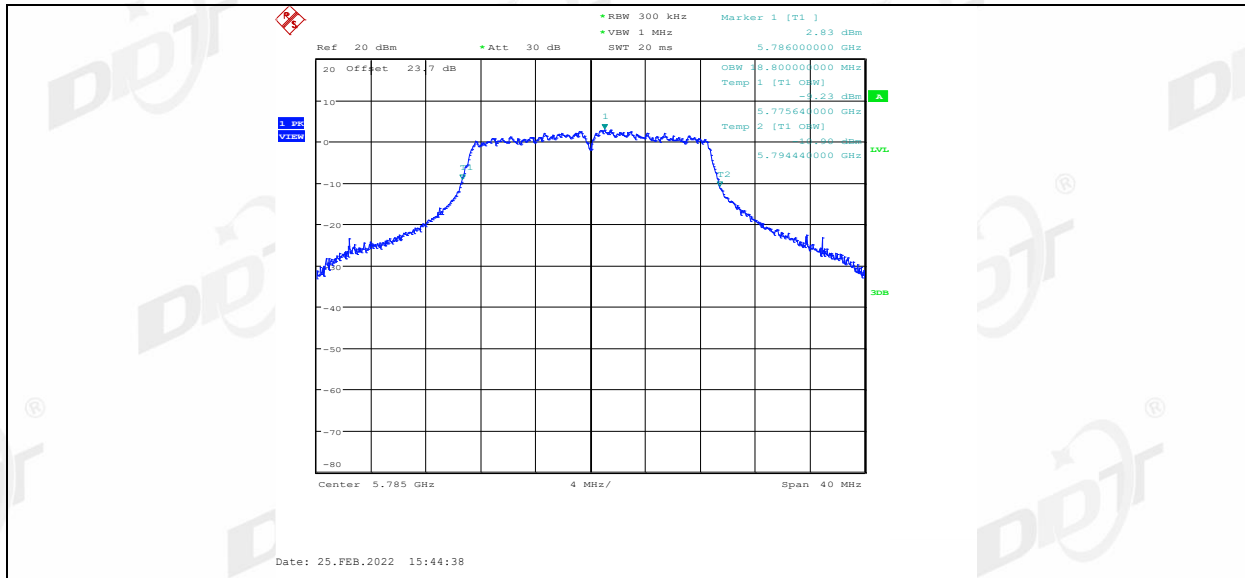
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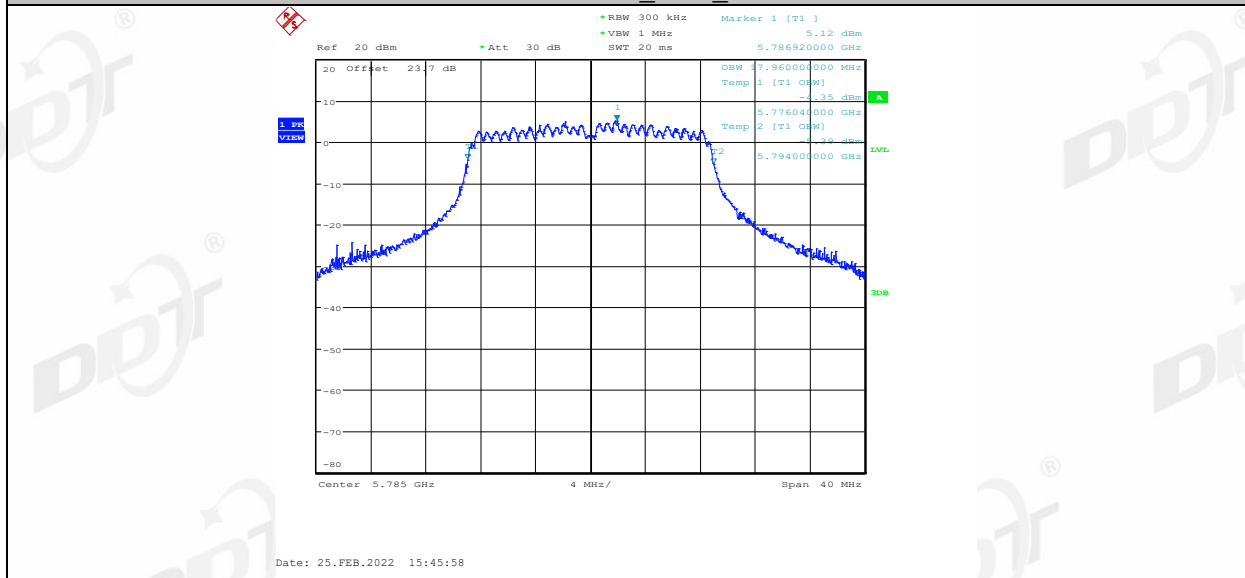
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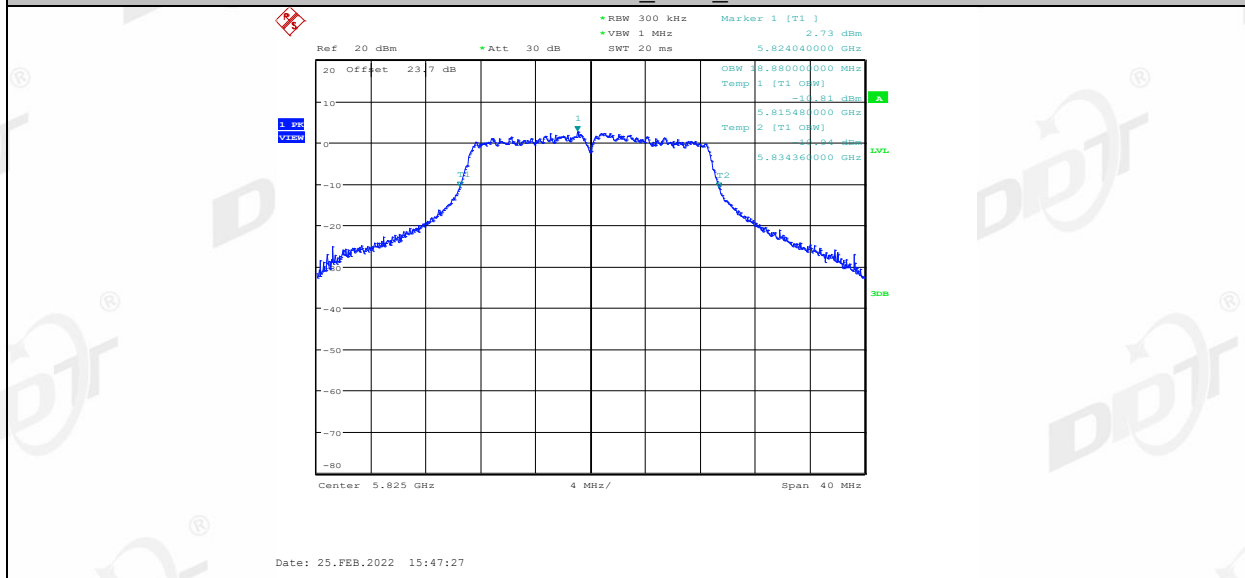
11AC20MIMO_Ant1_5785



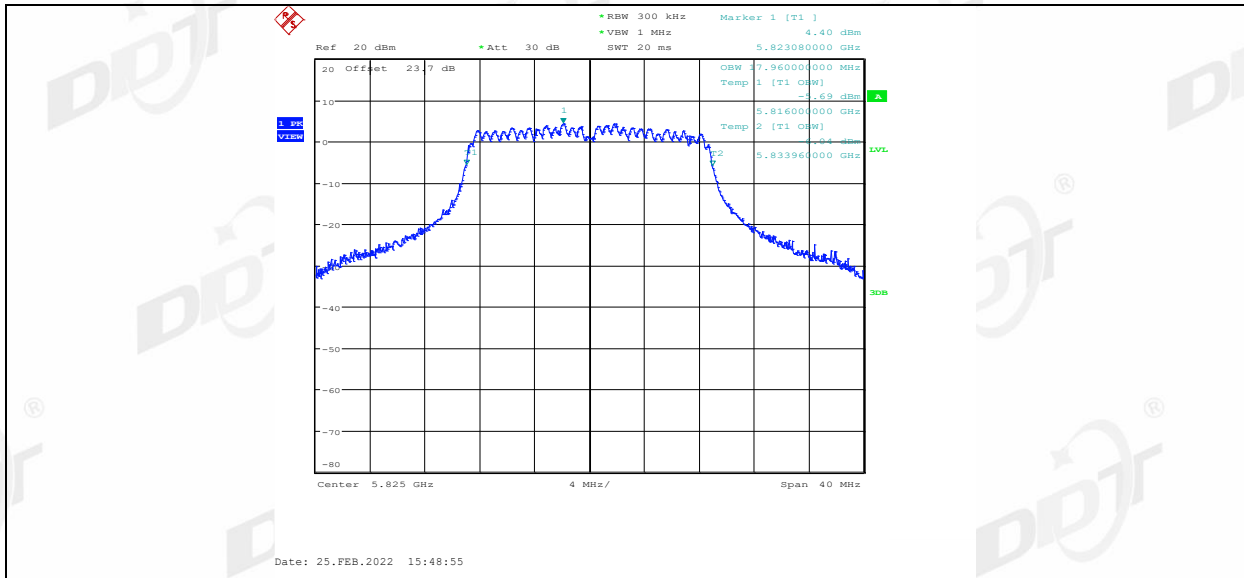
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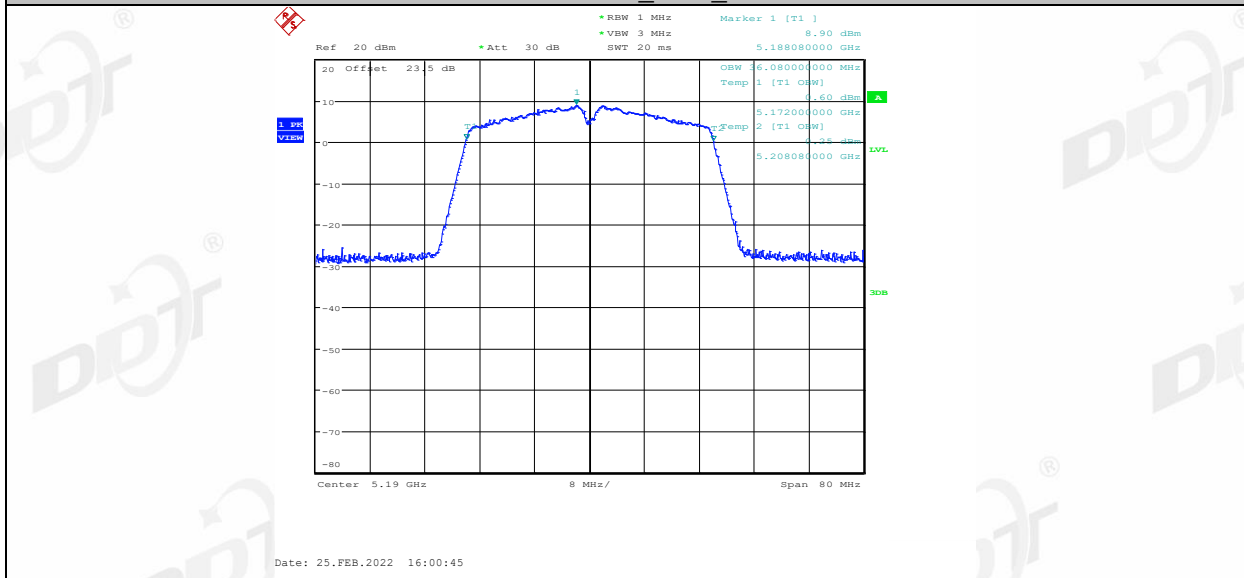
11AC20MIMO_Ant1_5825



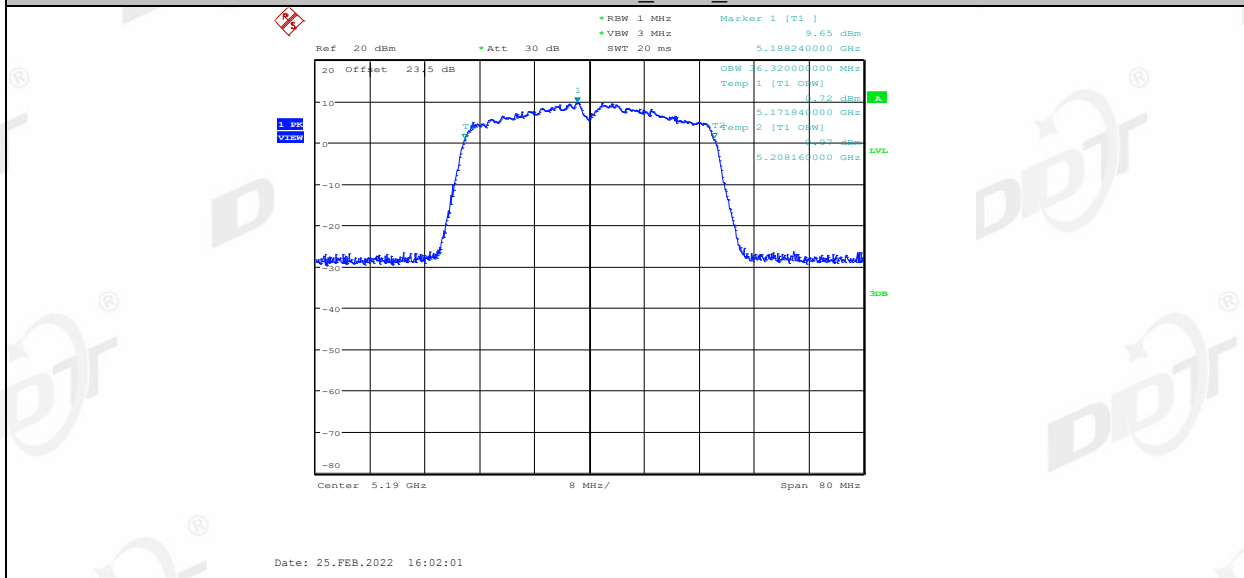
11AC20MIMO_Ant2_5825



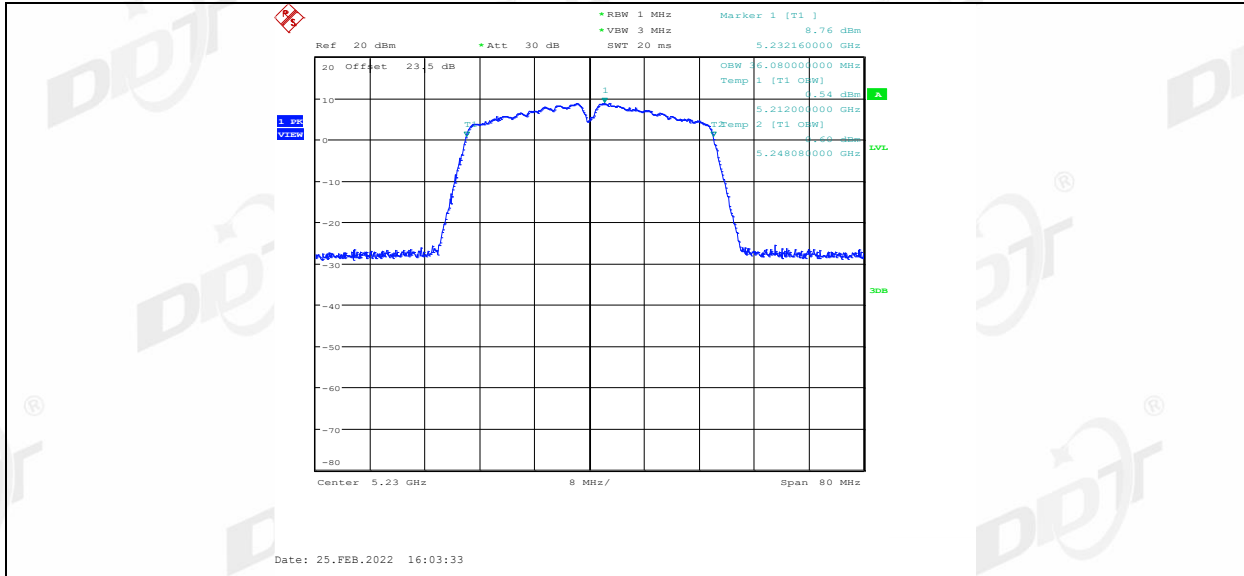
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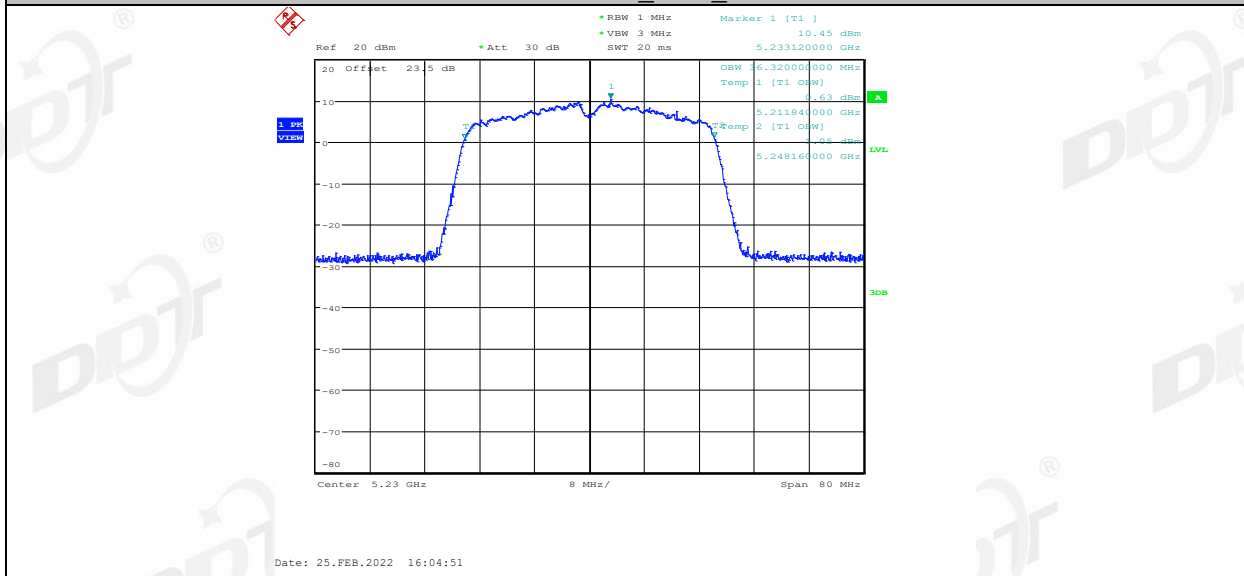
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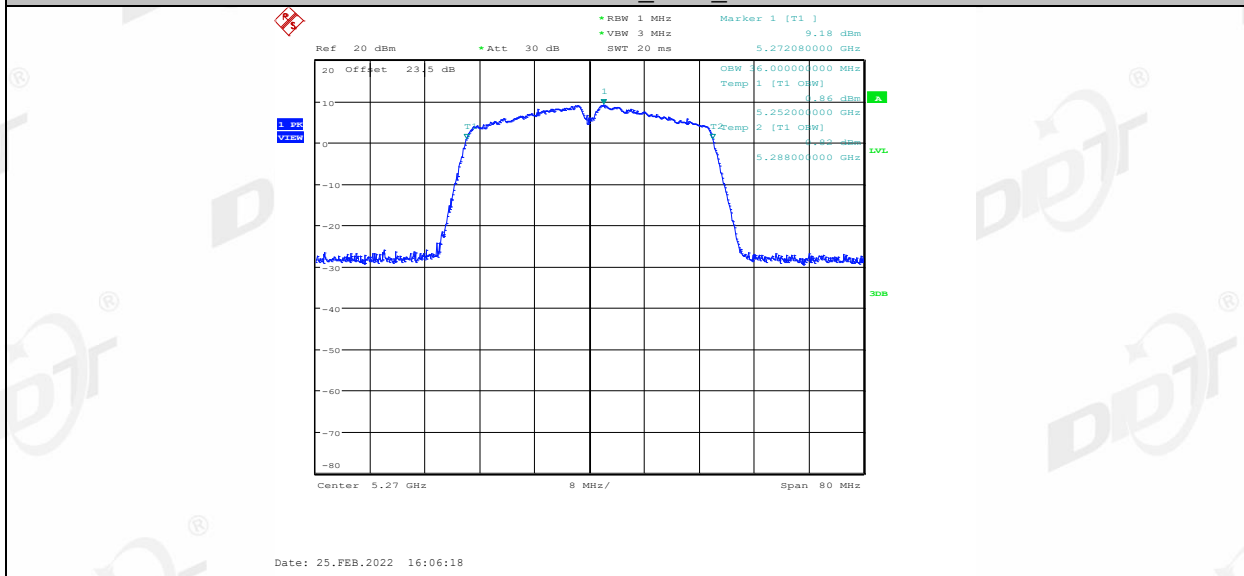
11AC40MIMO_Ant1_5230



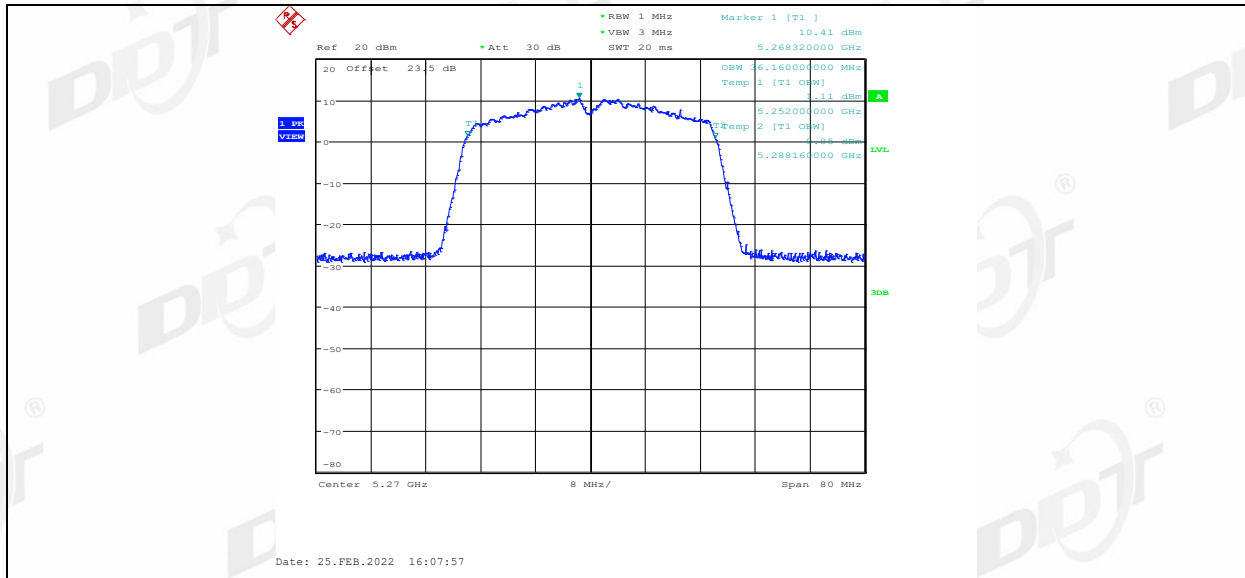
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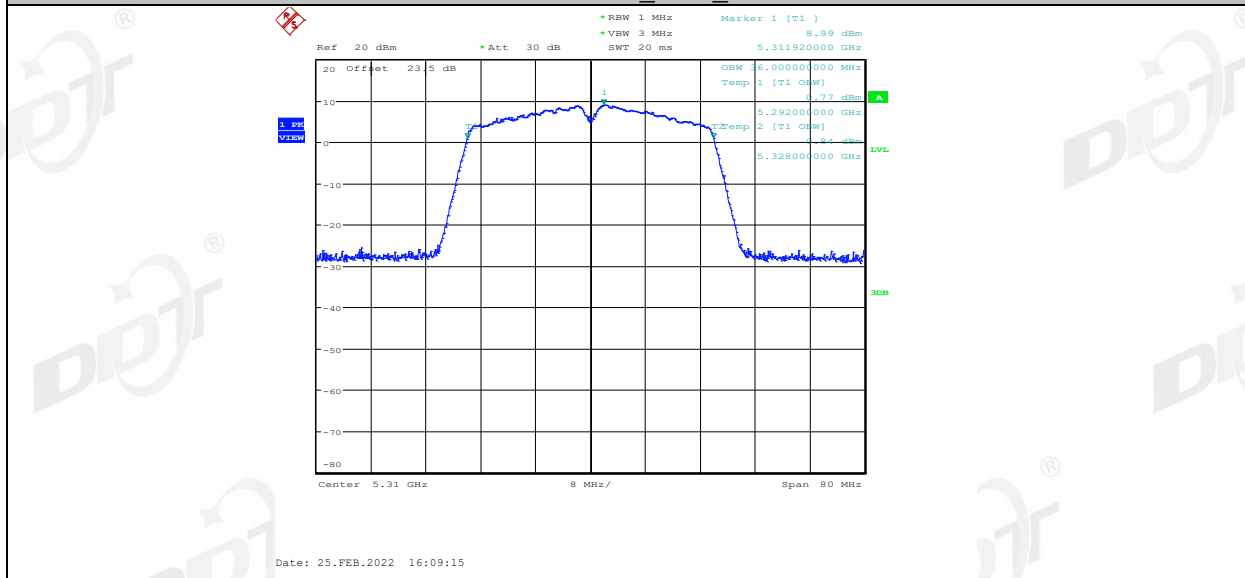
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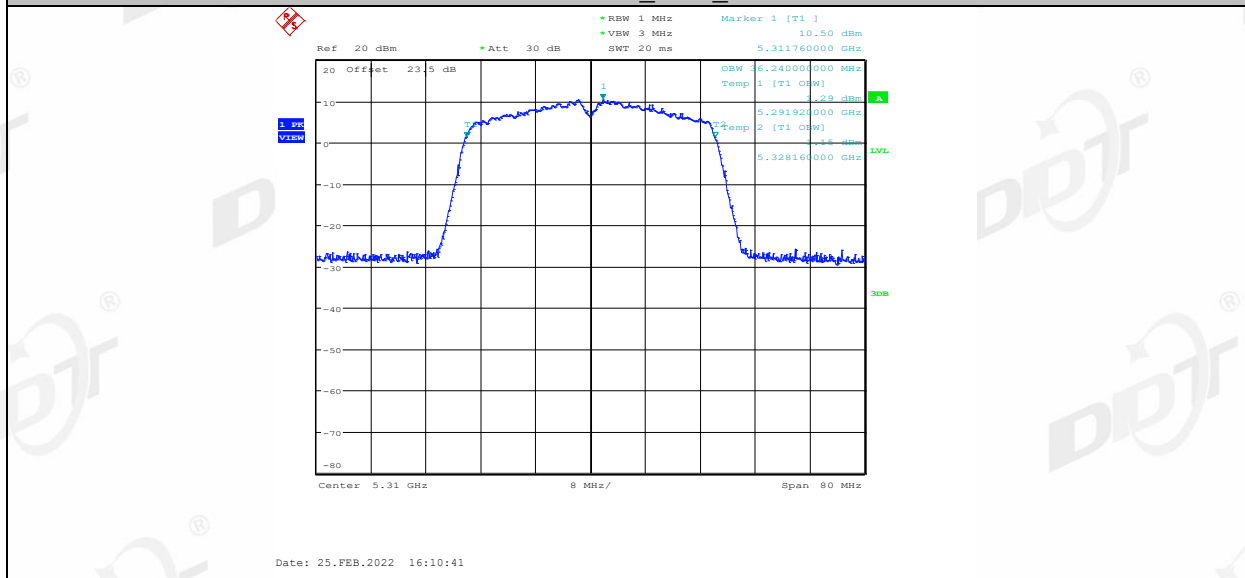
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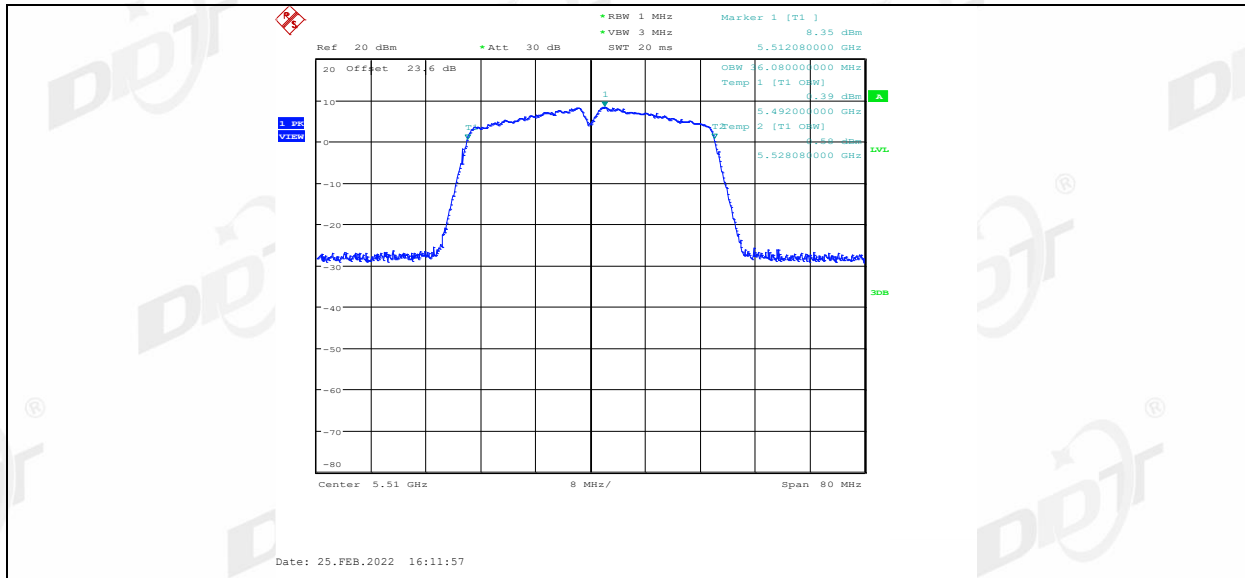
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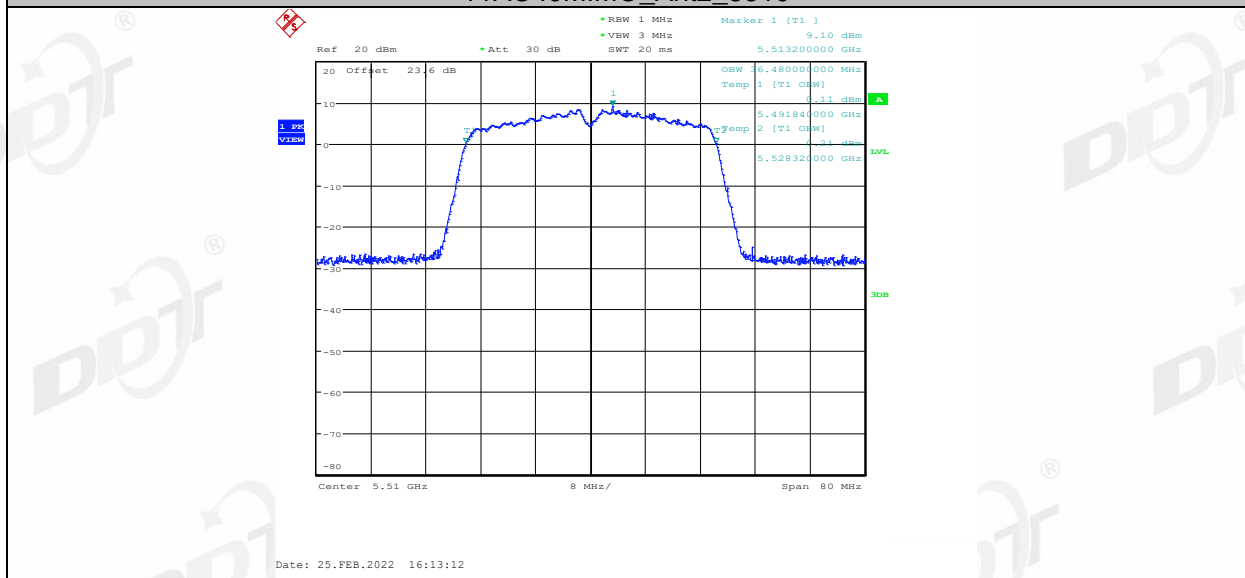
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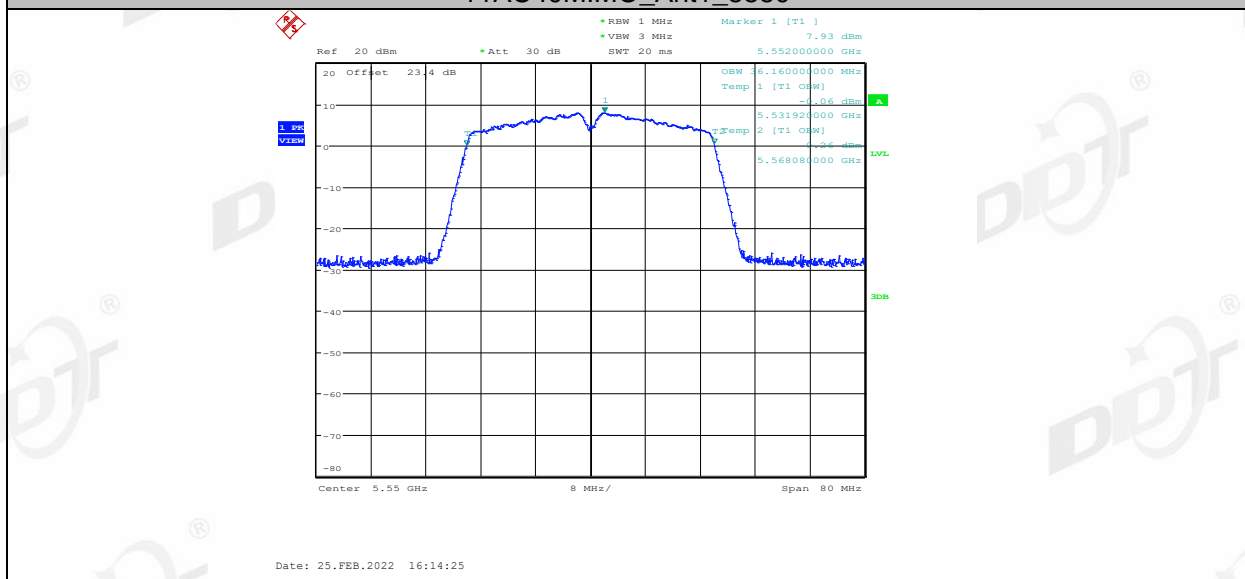
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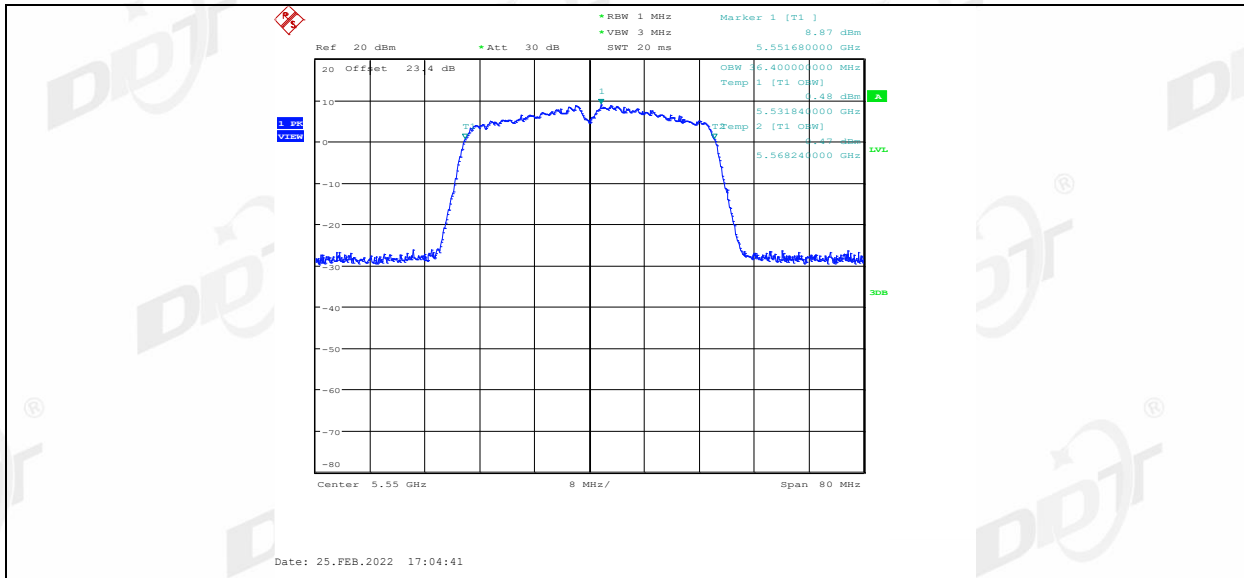
11AC40MIMO_Ant2_5510



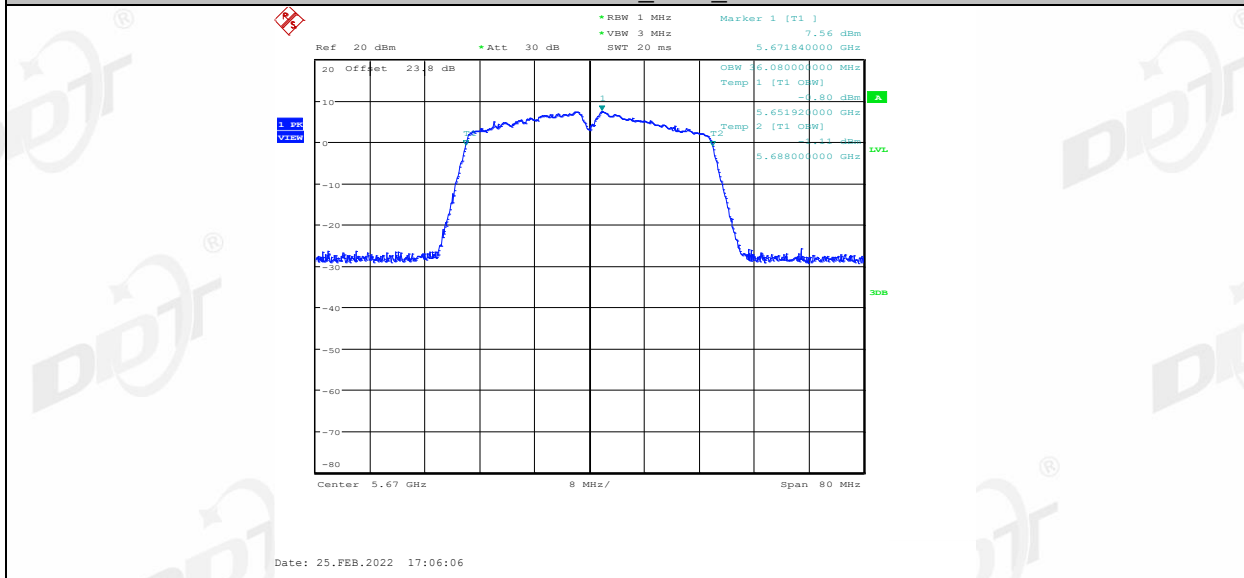
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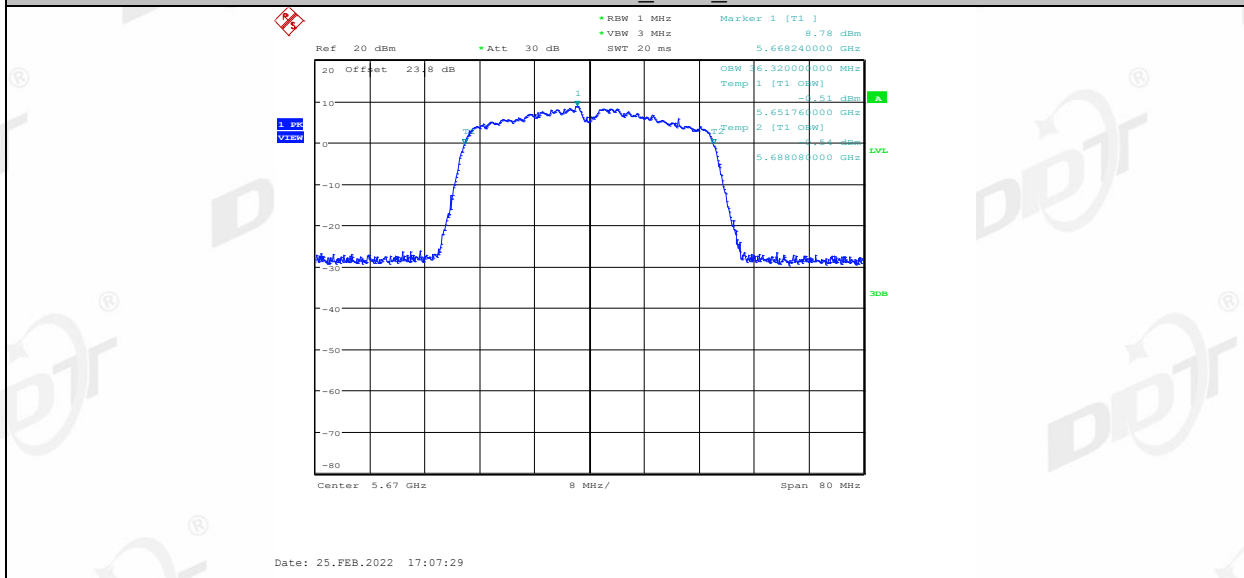
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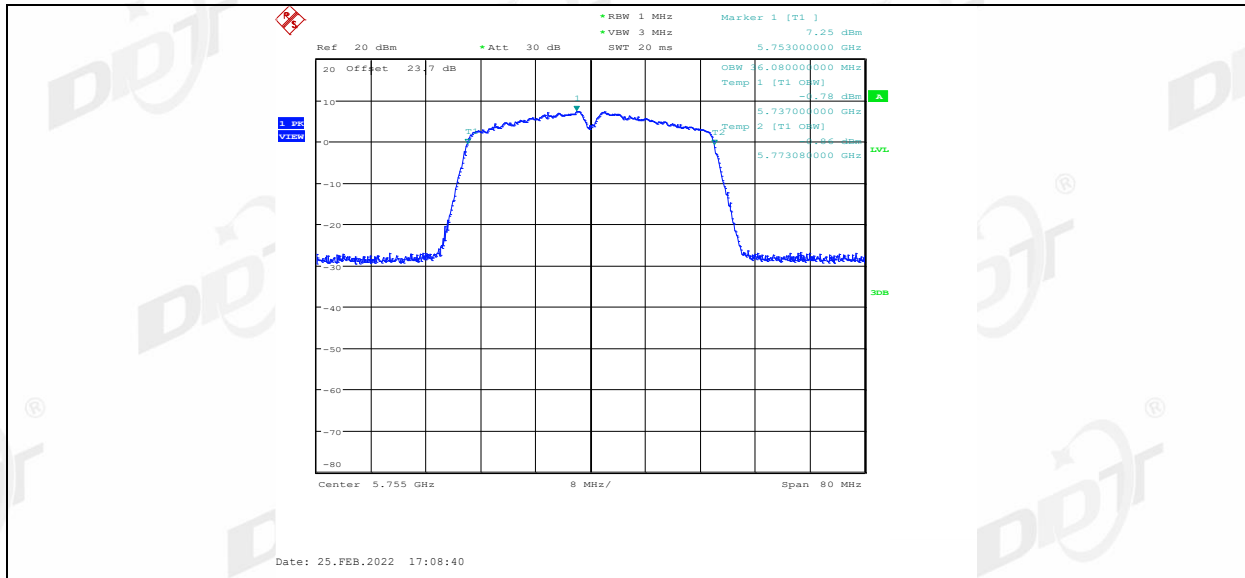
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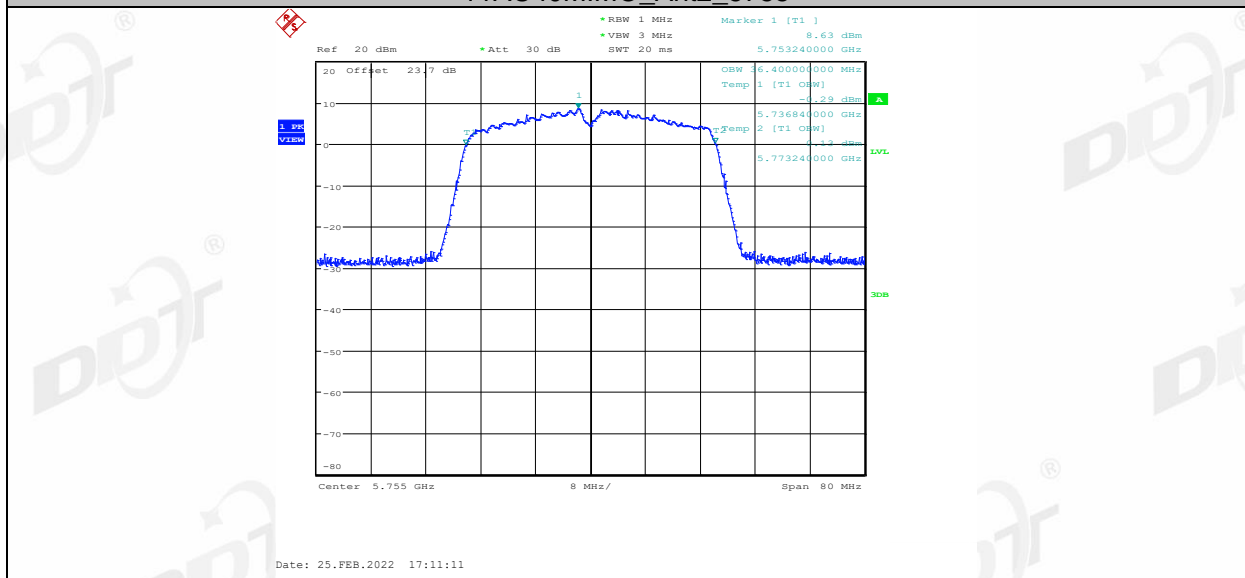
11AC40MIMO_Ant2_5670



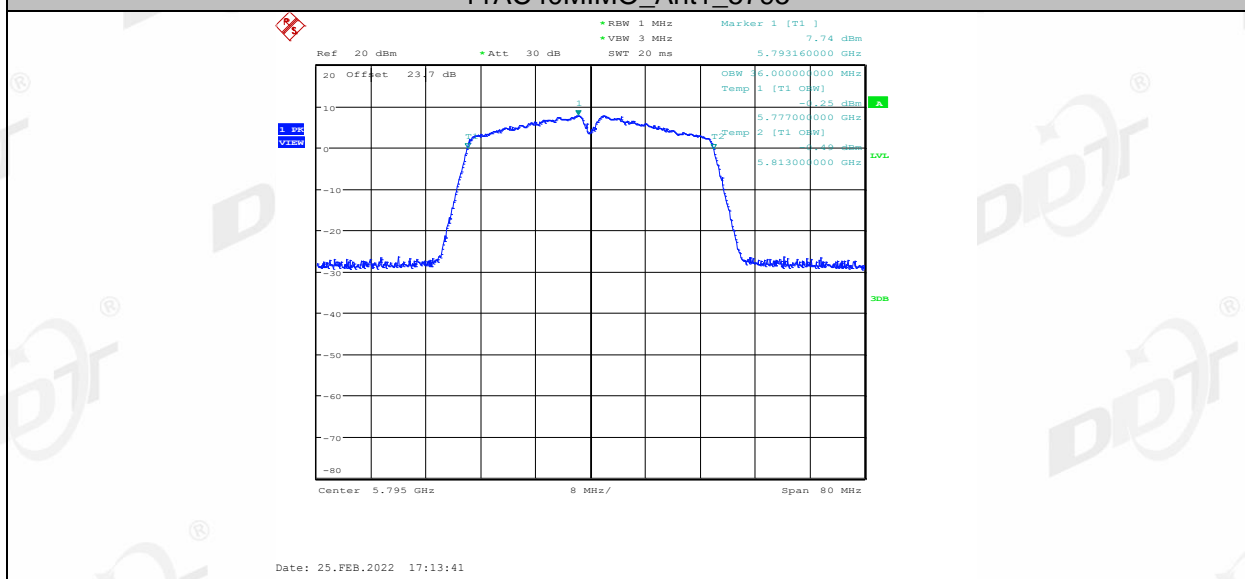
11AC40MIMO_Ant1_5755



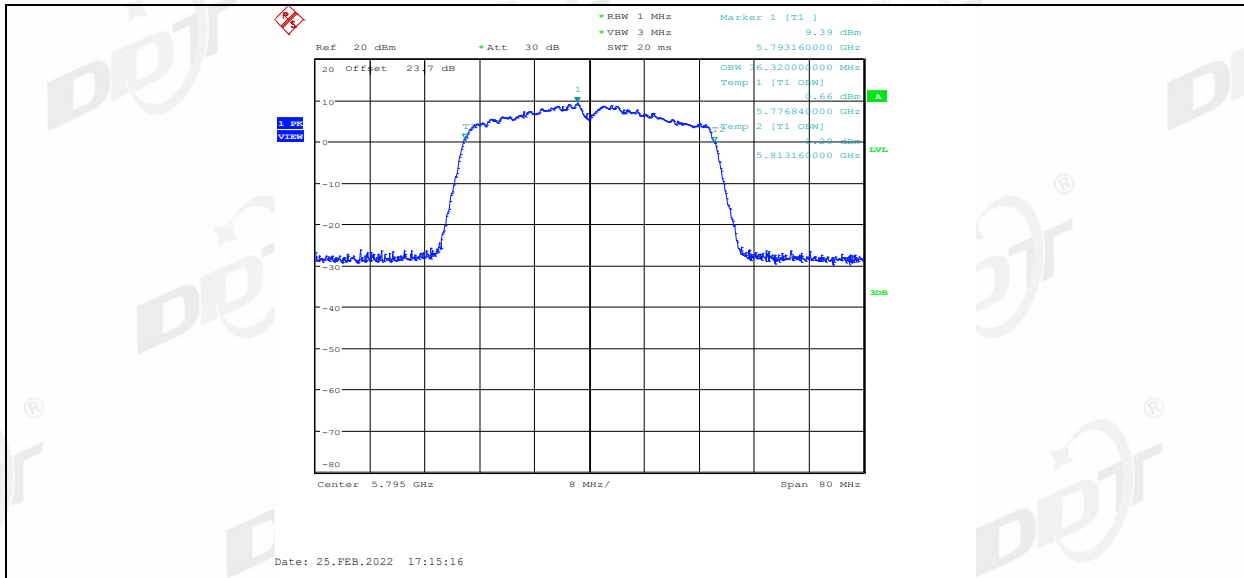
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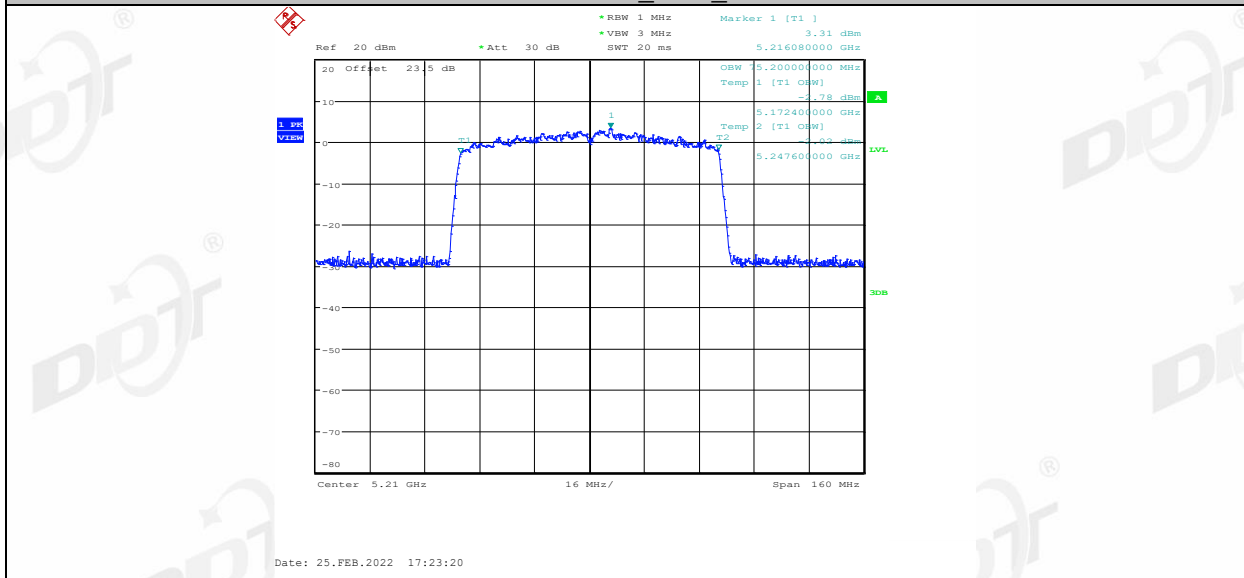
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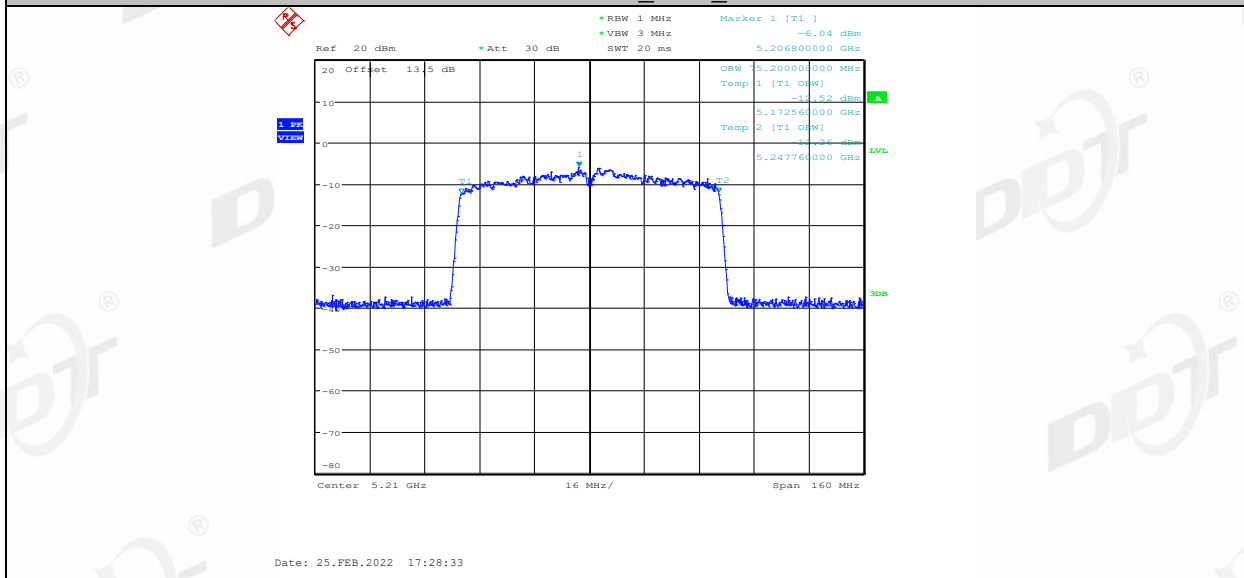
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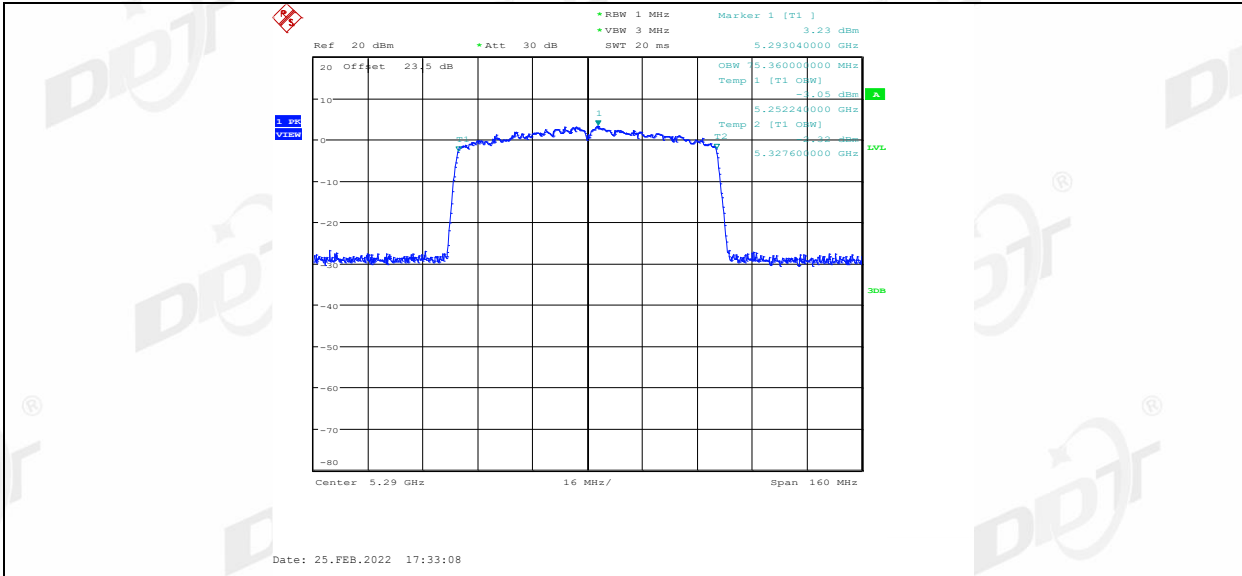
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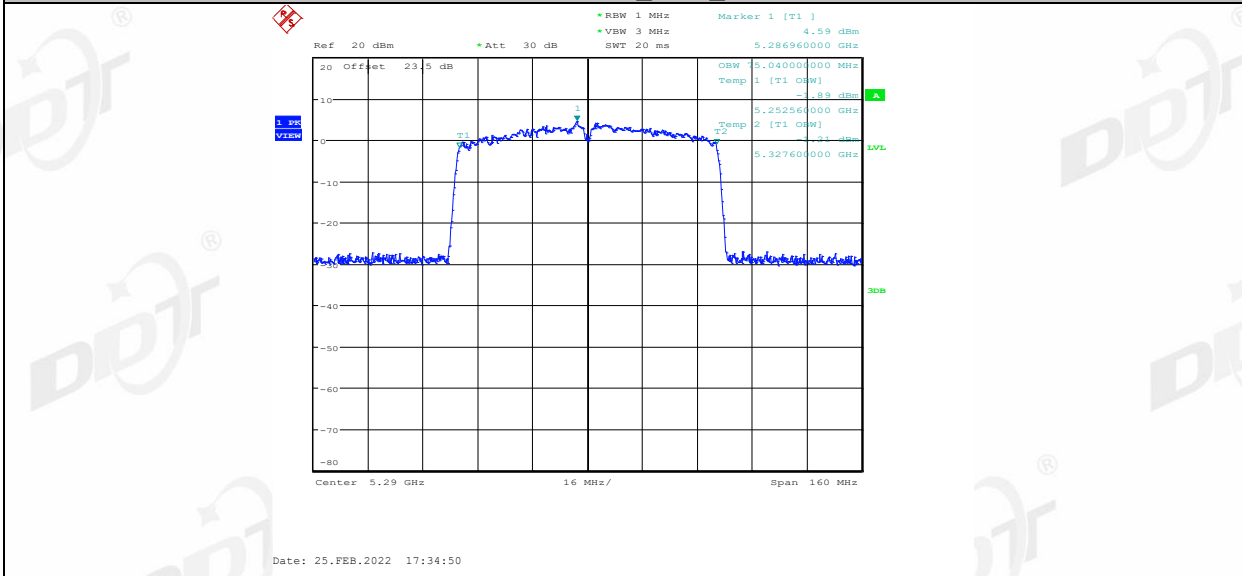
11AC80MIMO_Ant2_5210



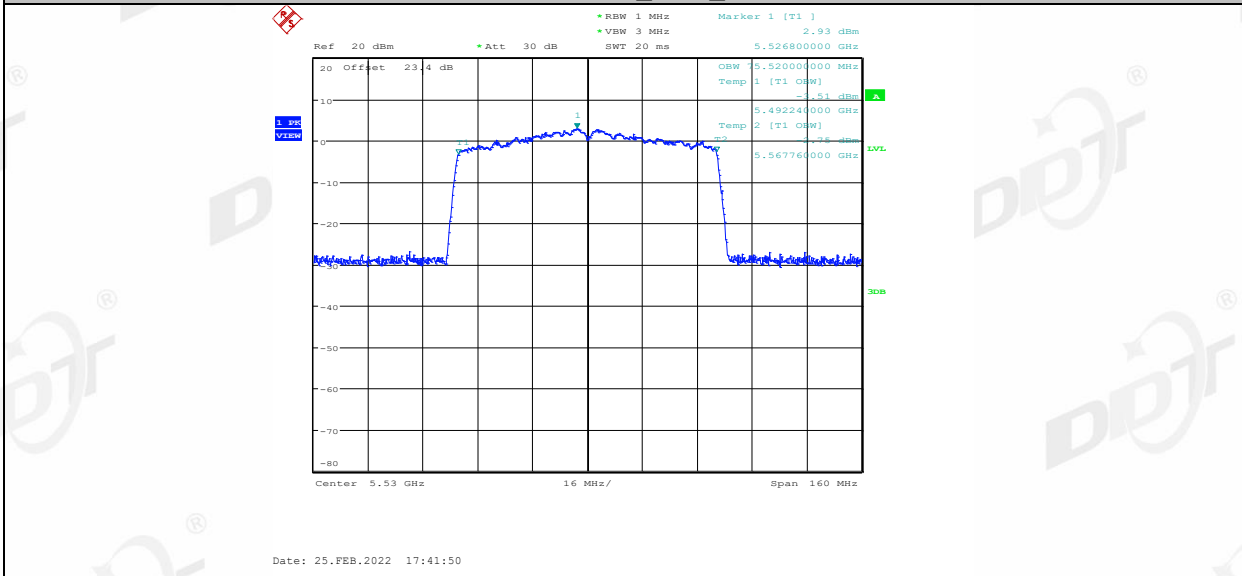
11AC80MIMO_Ant1_5290



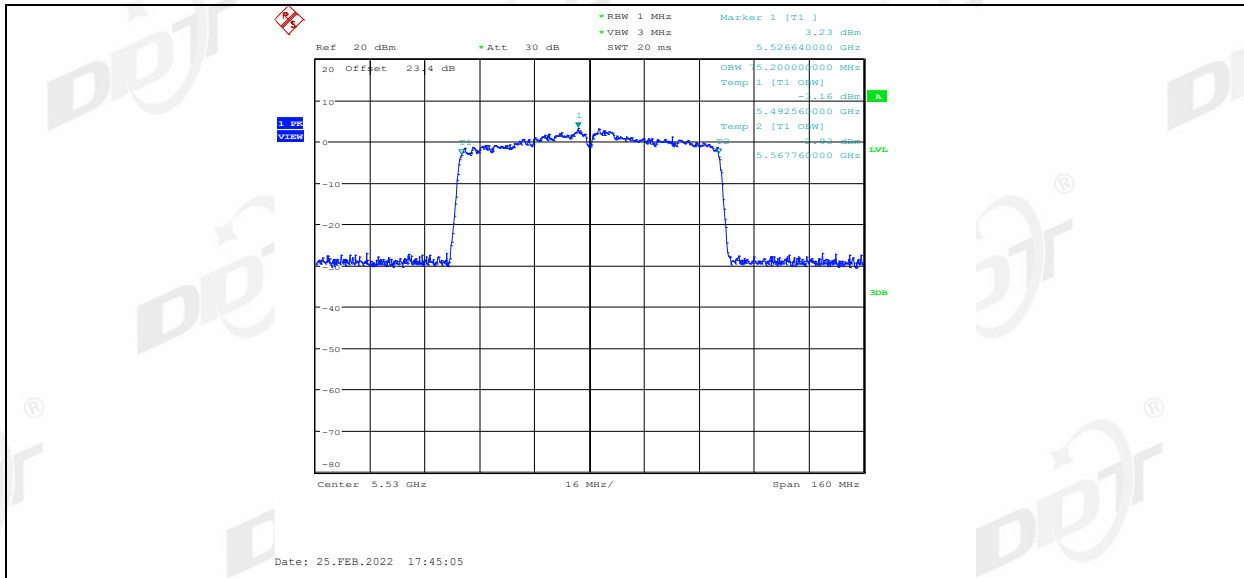
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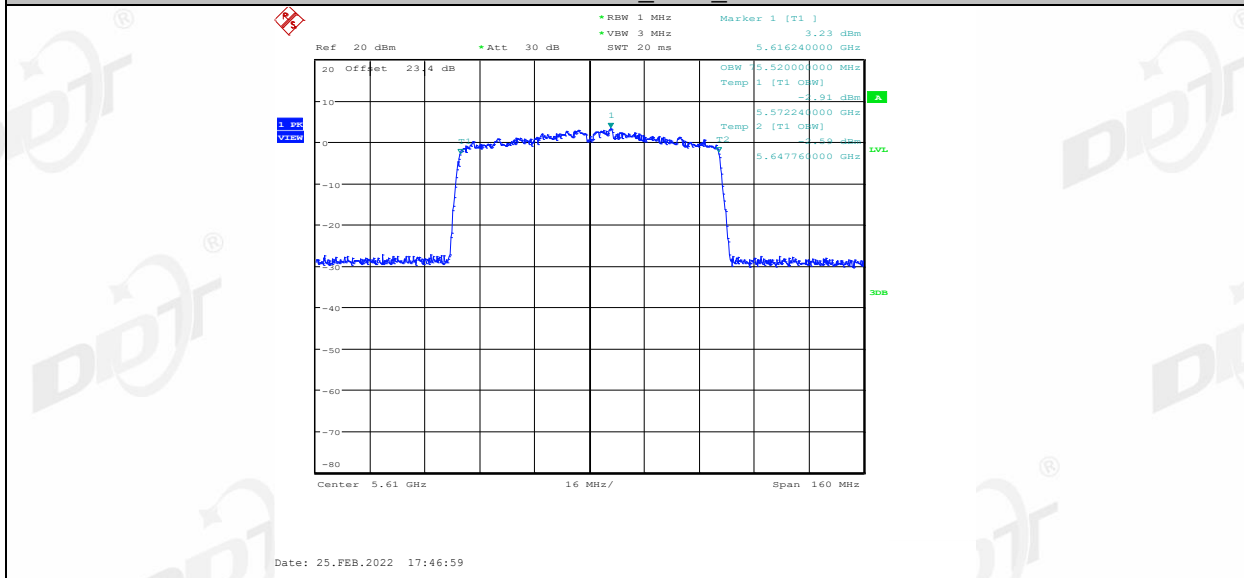
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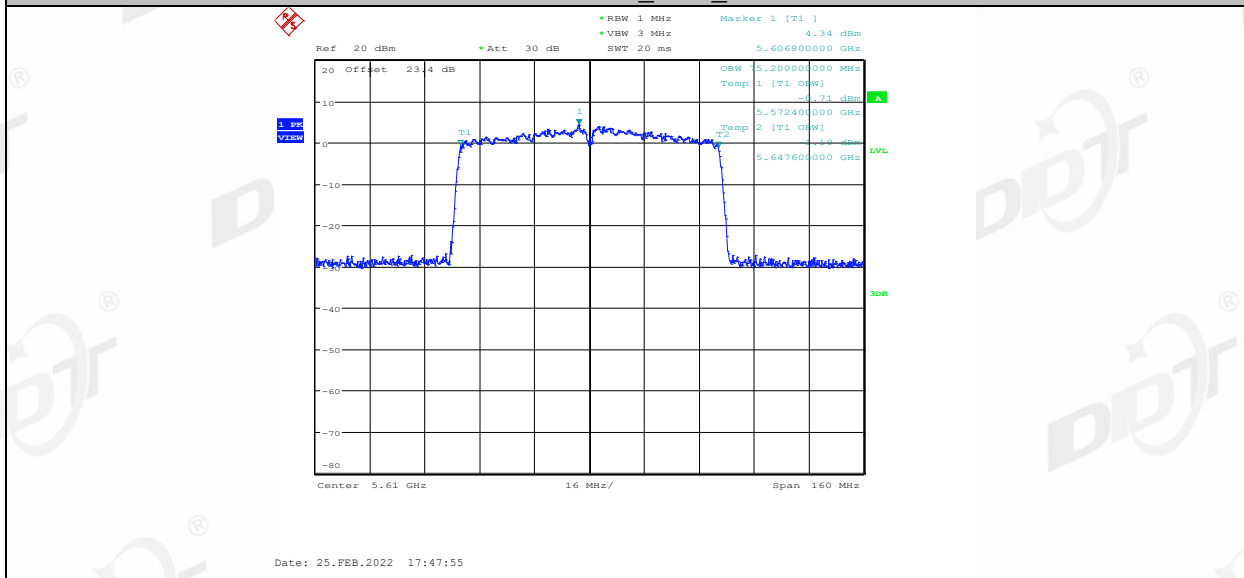
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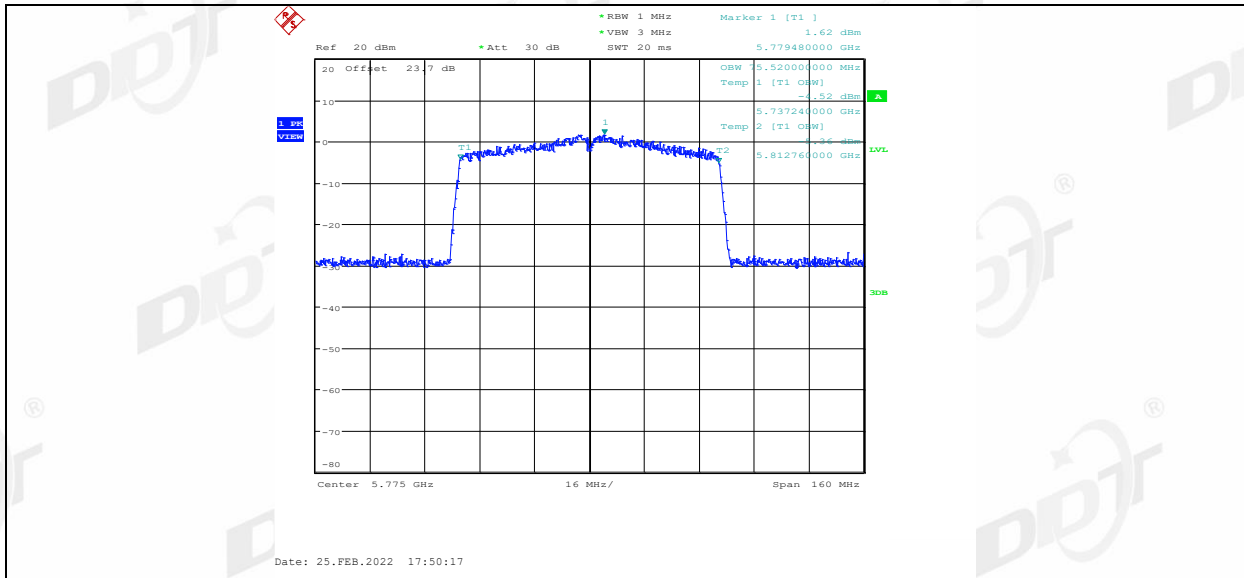
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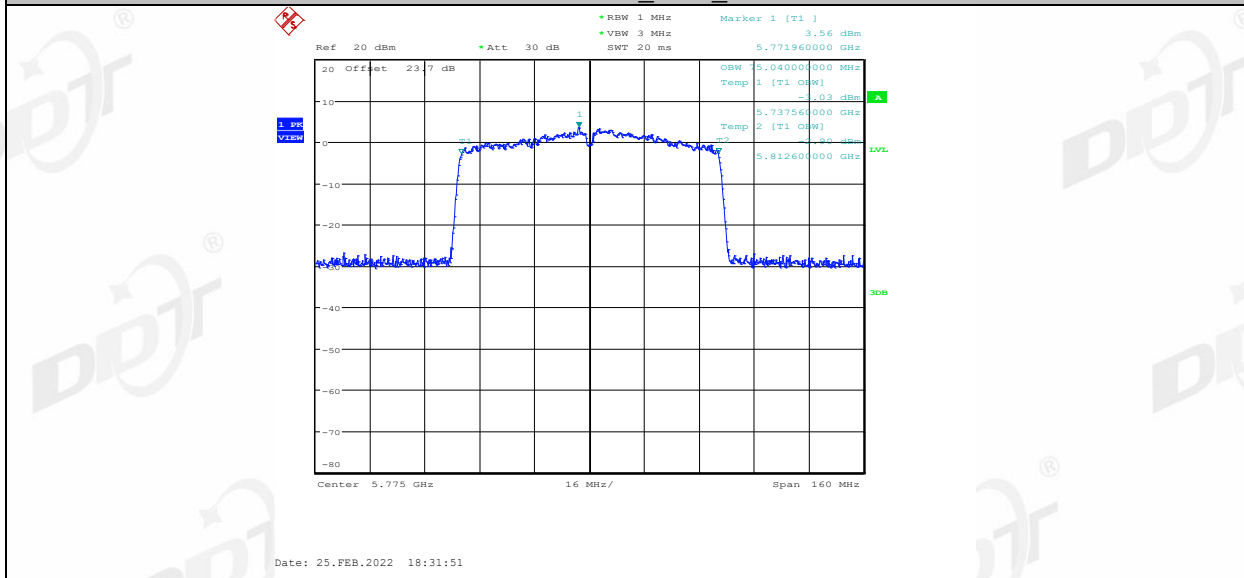
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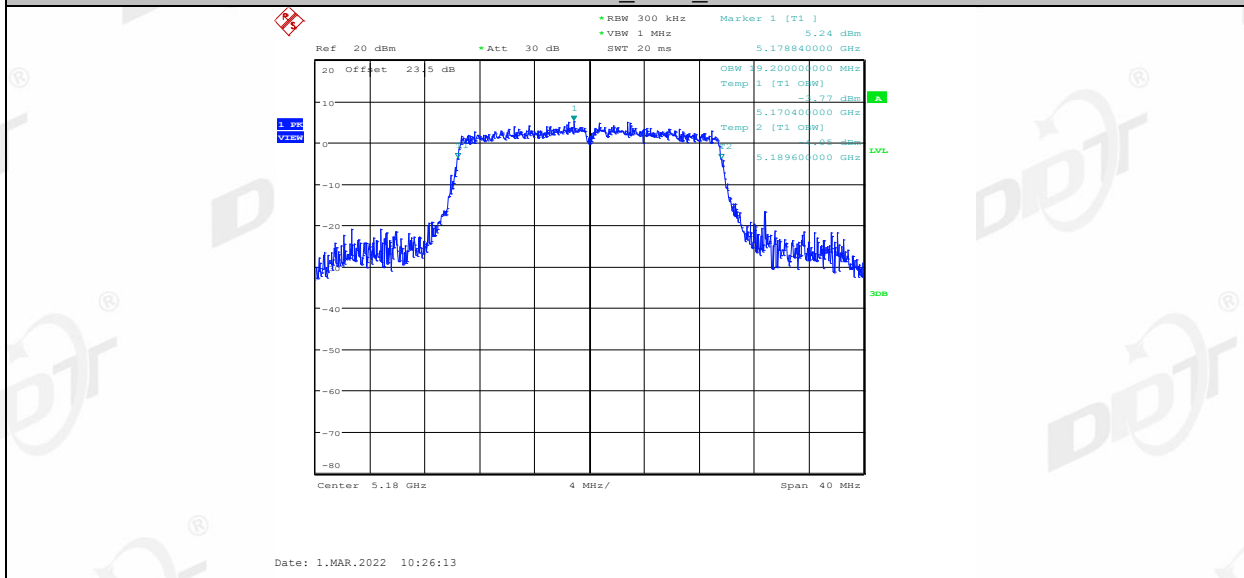
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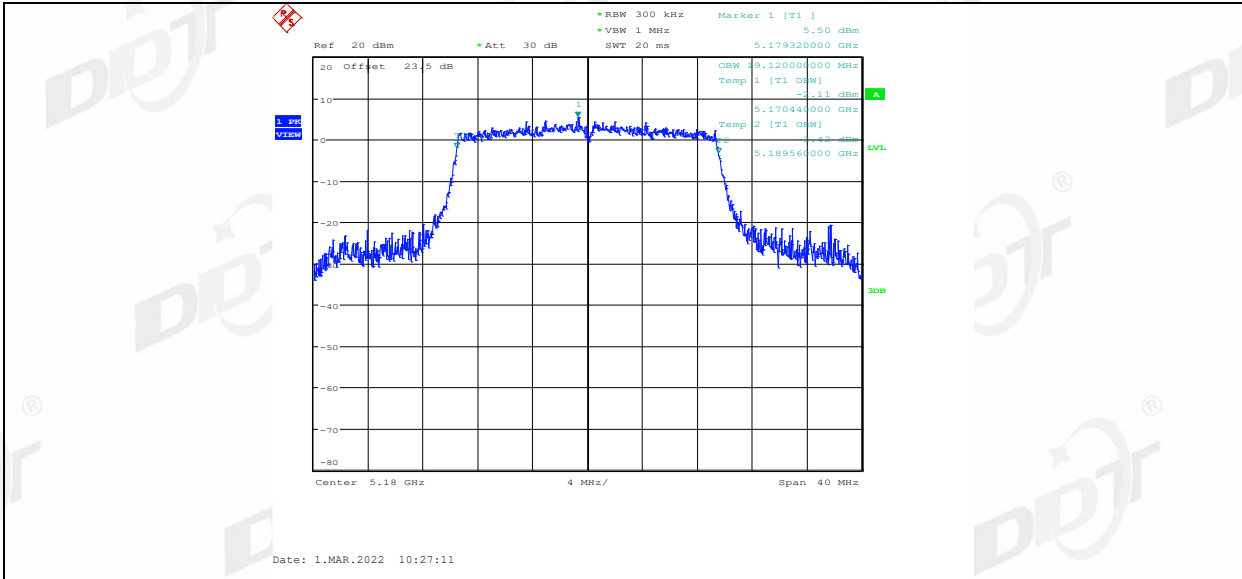
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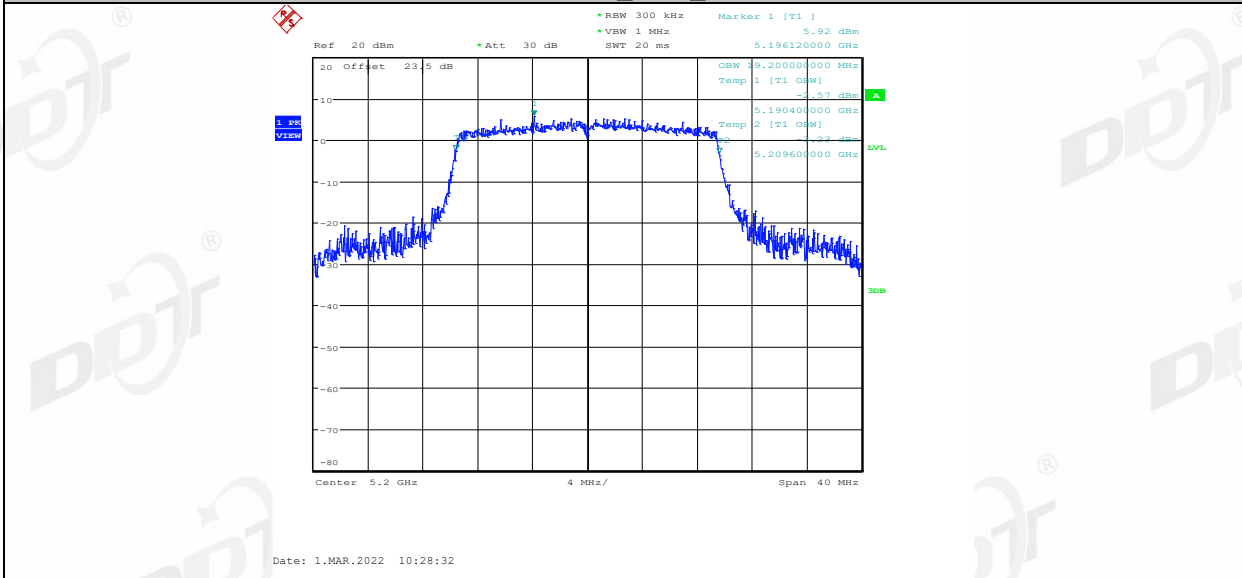
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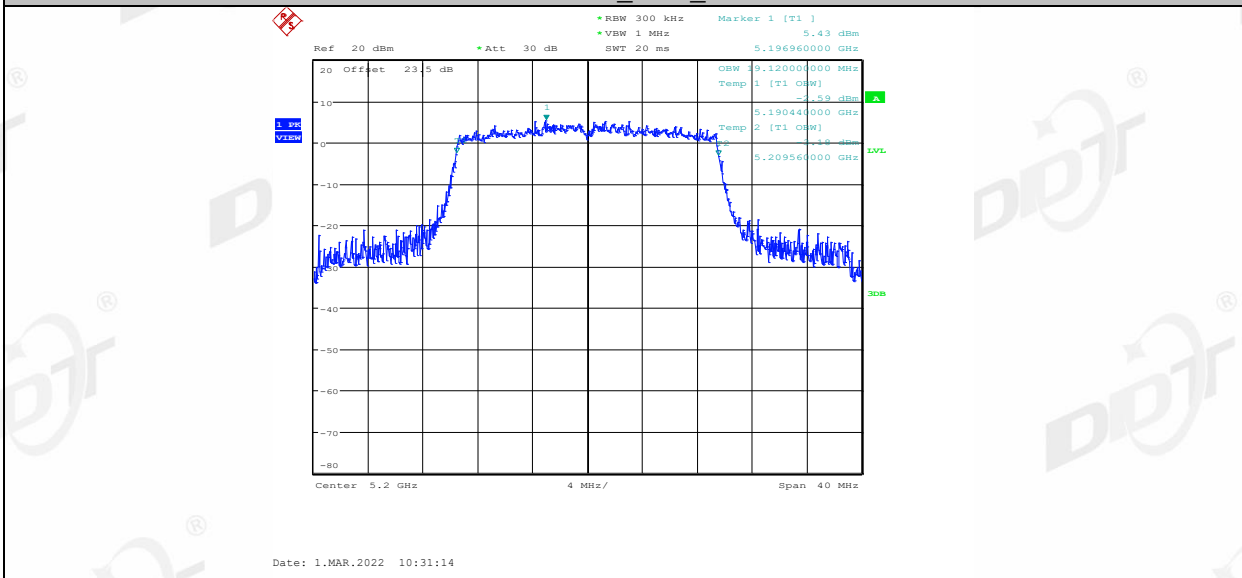
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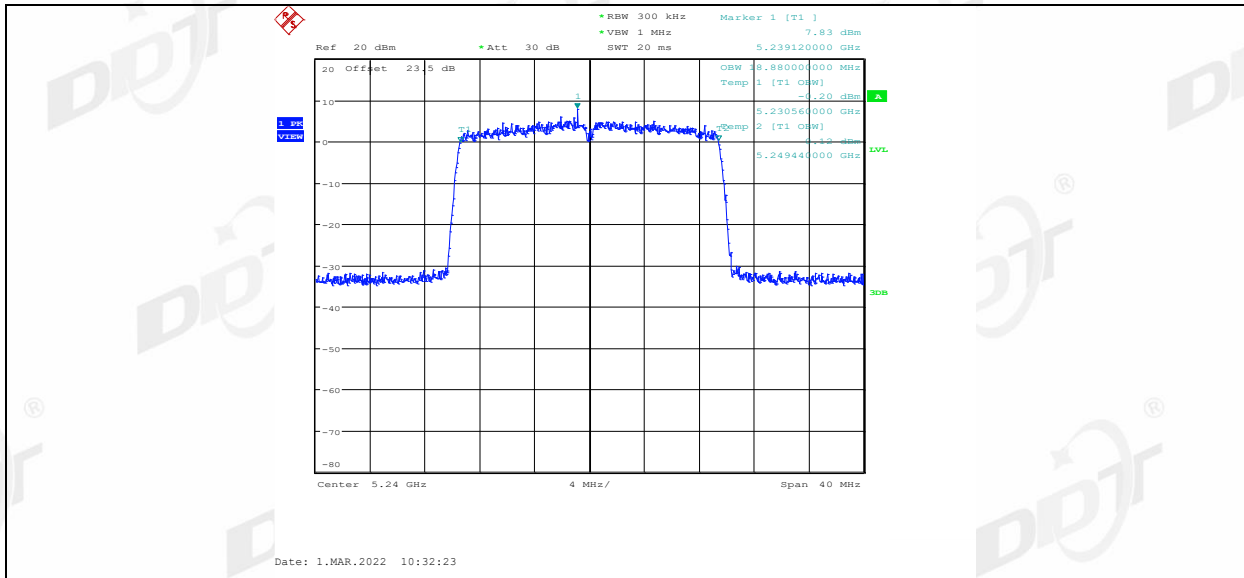
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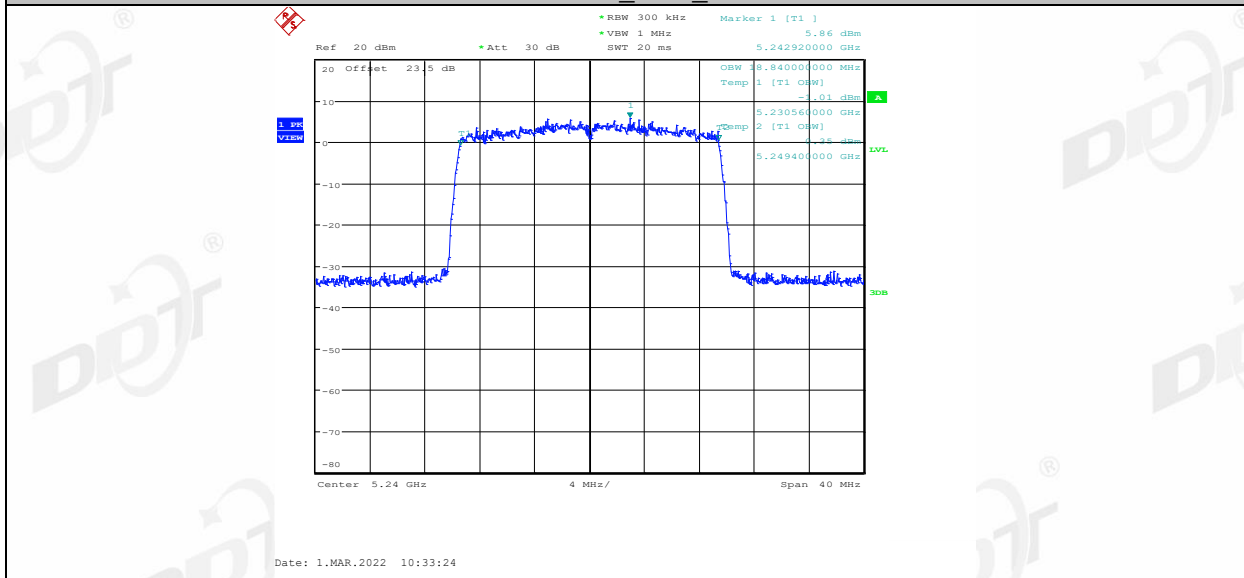
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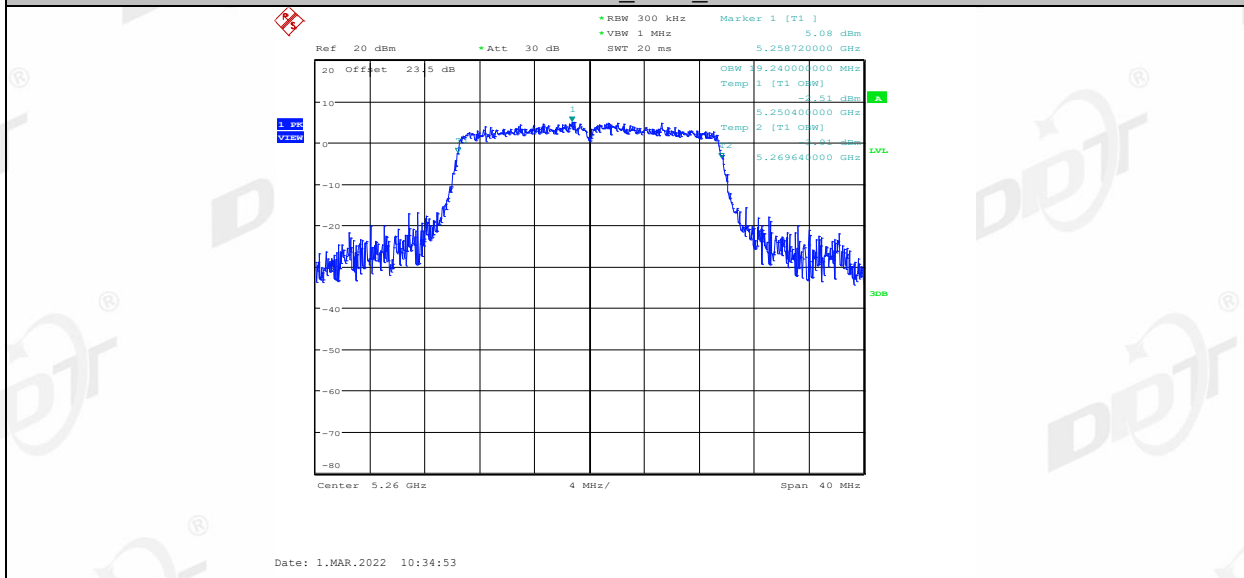
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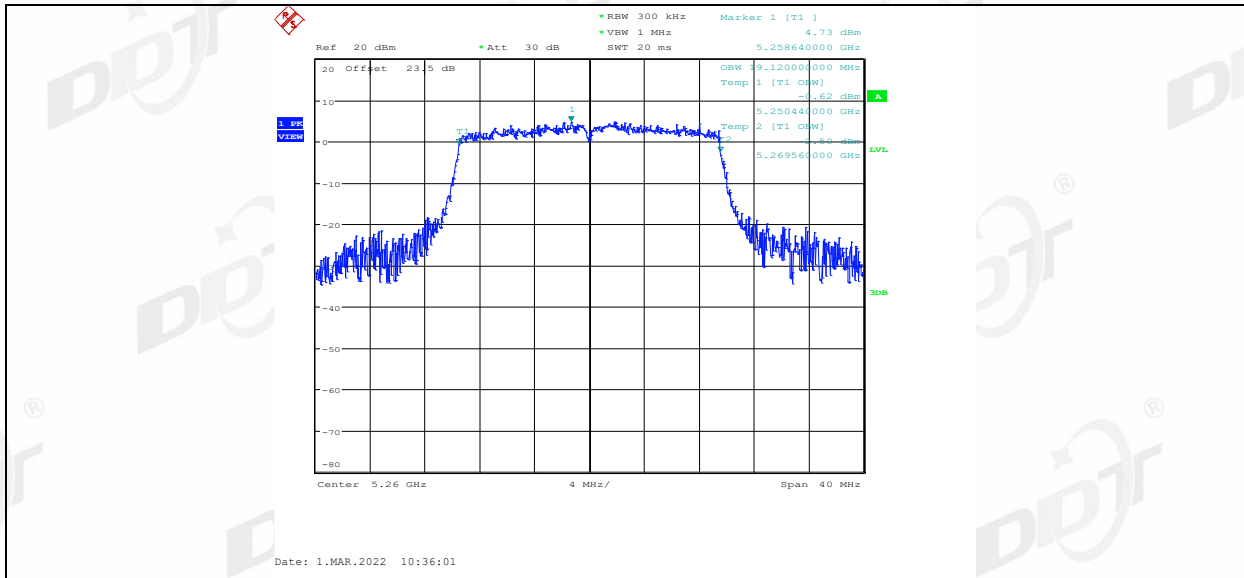
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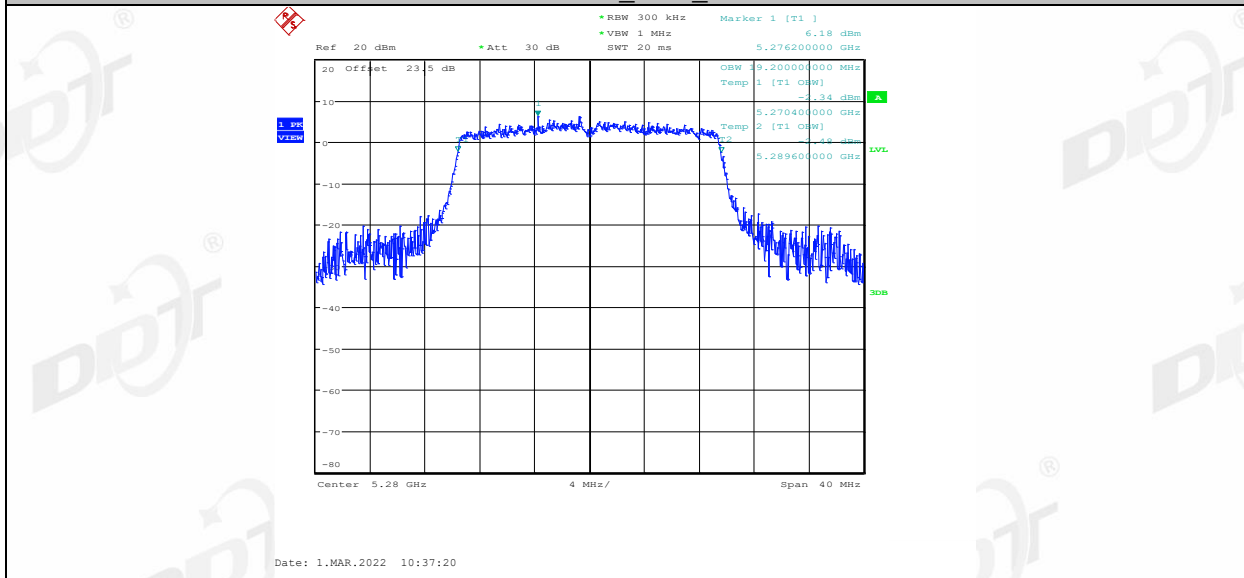
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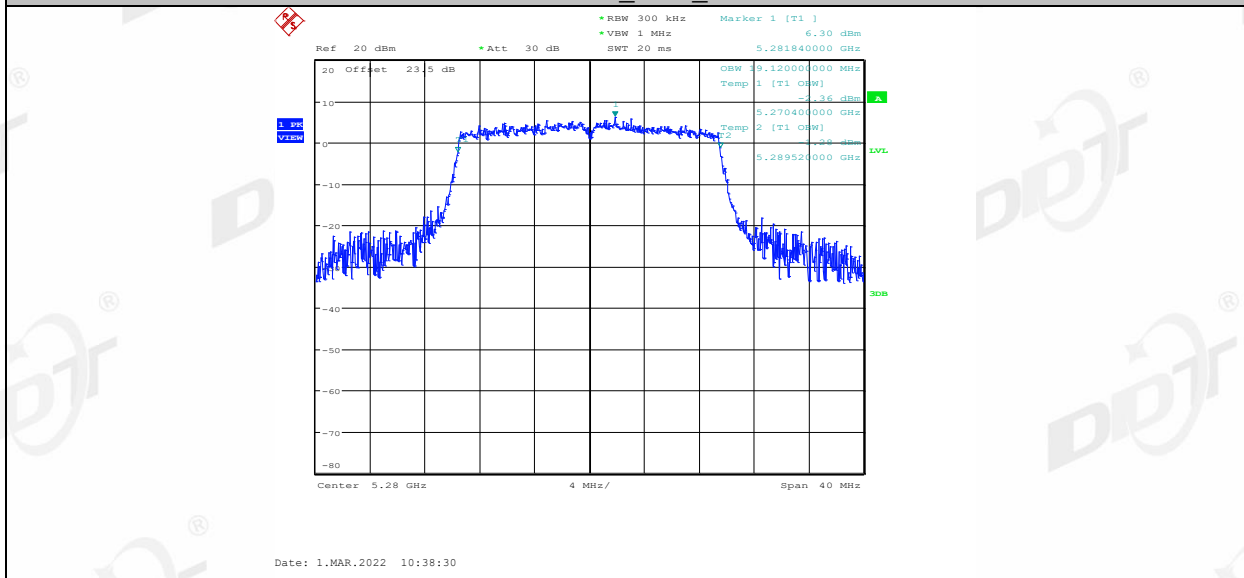
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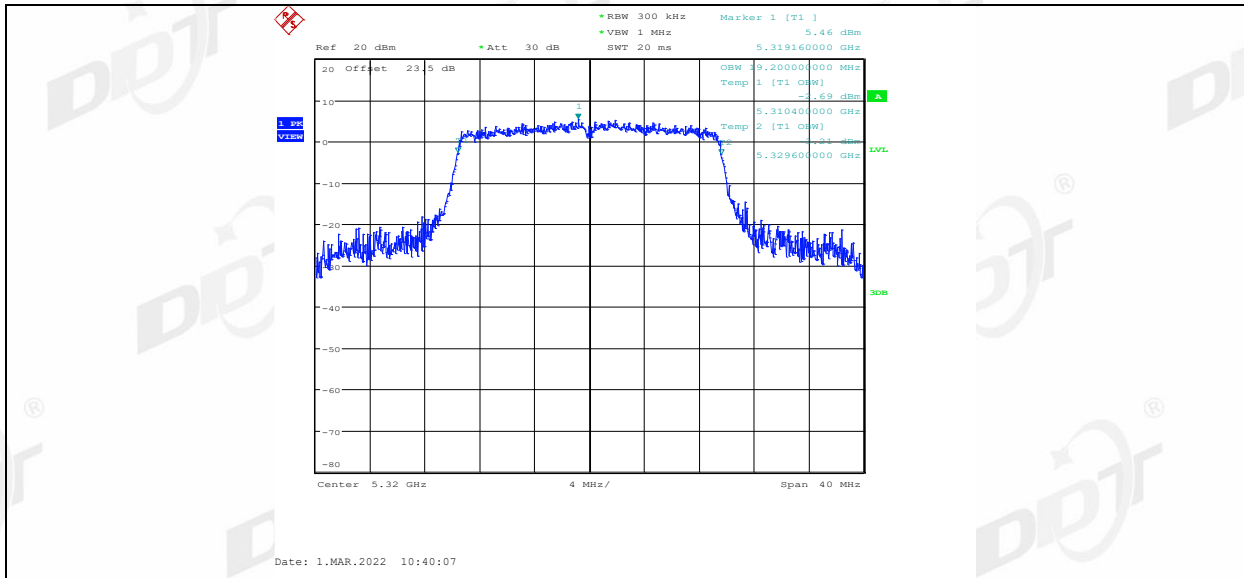
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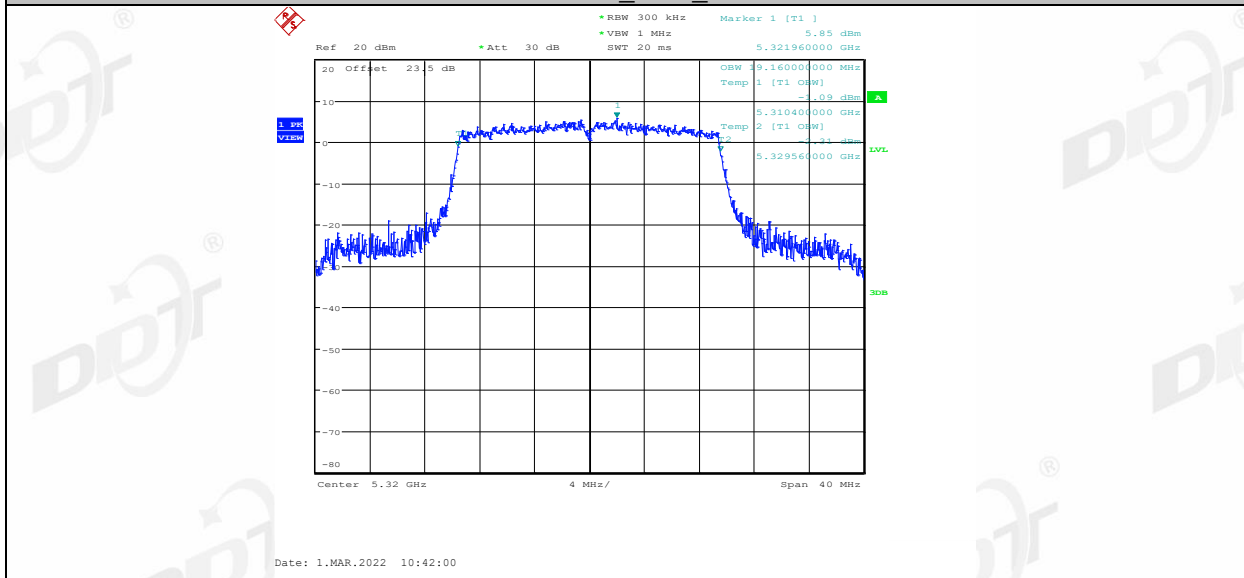
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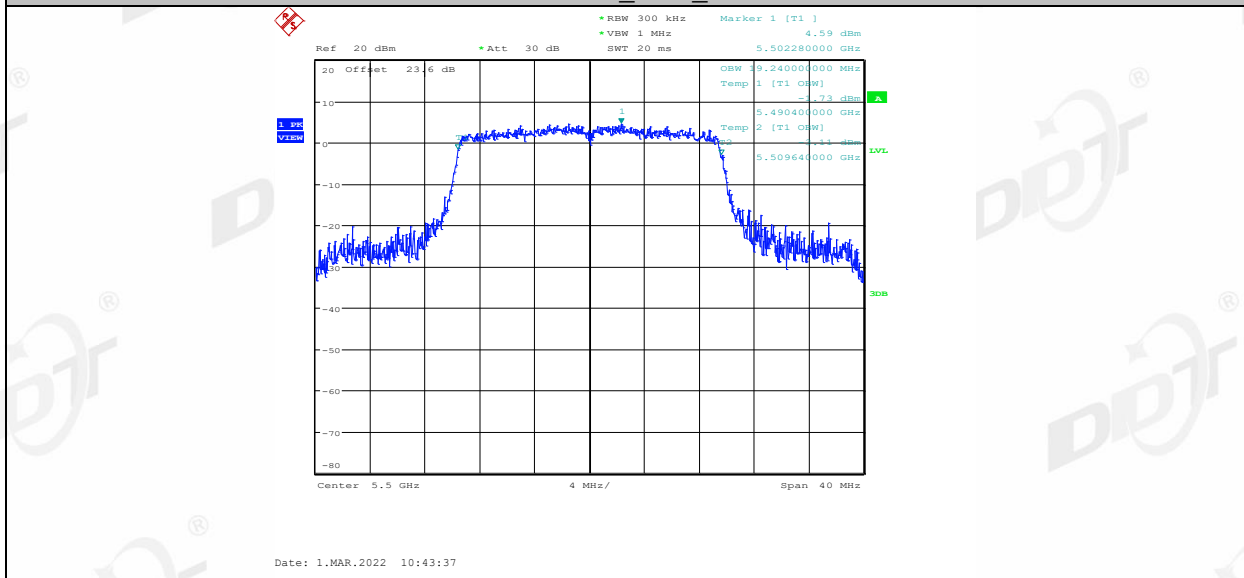
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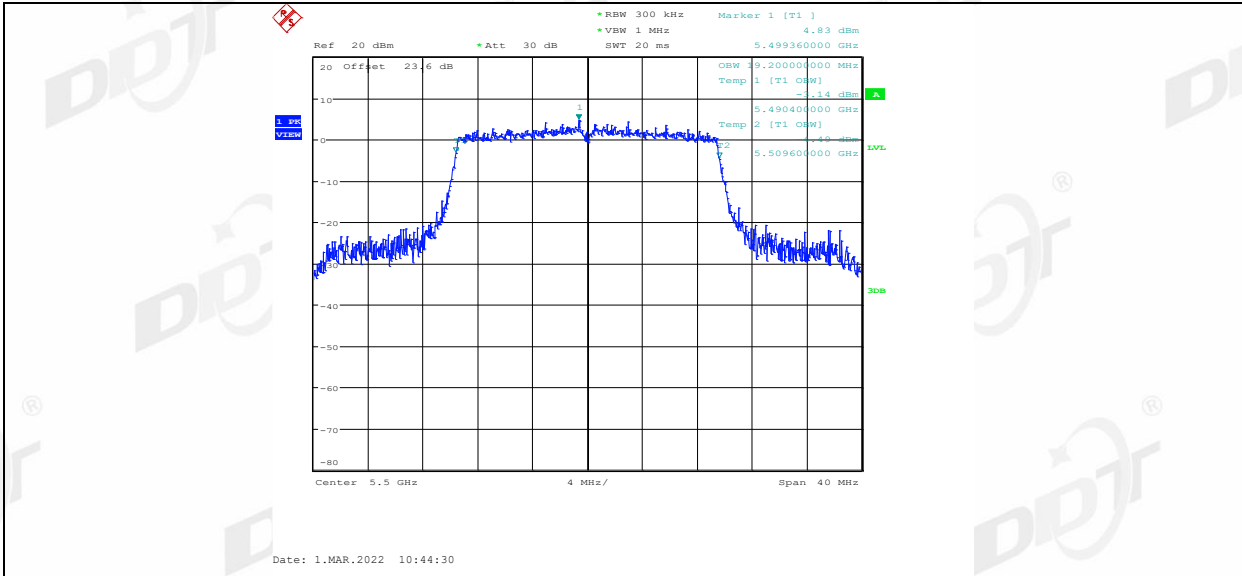
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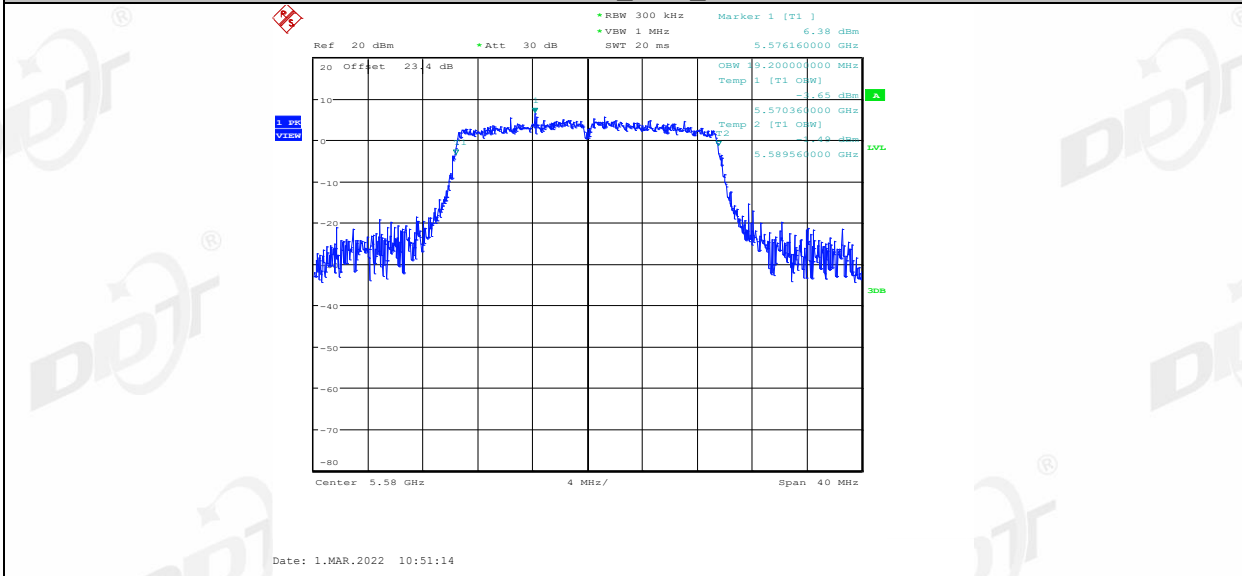
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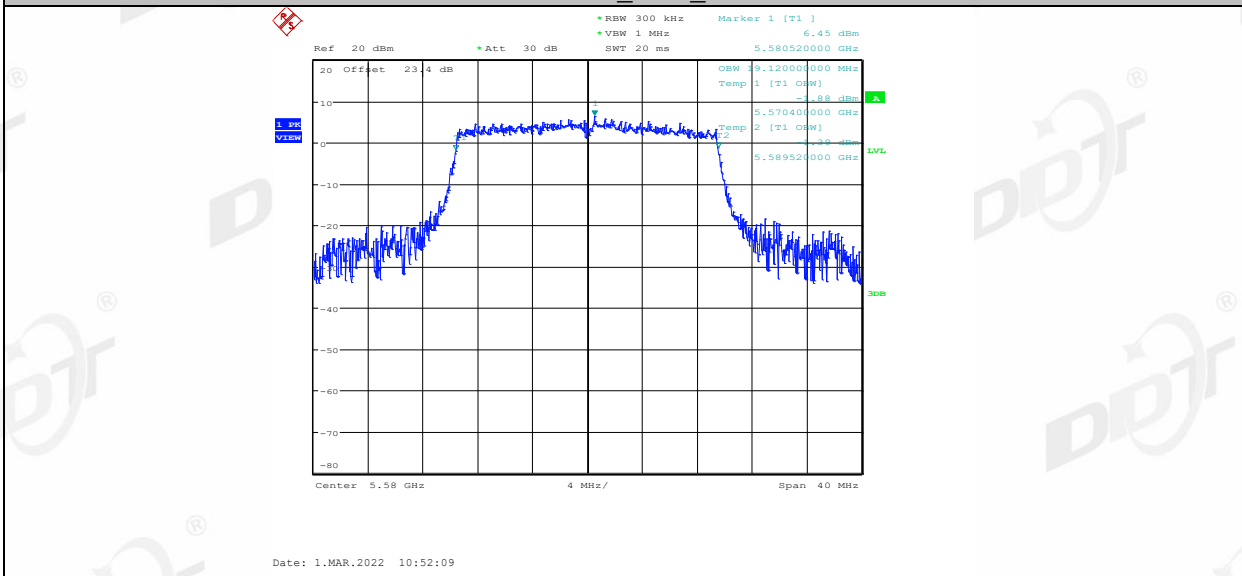
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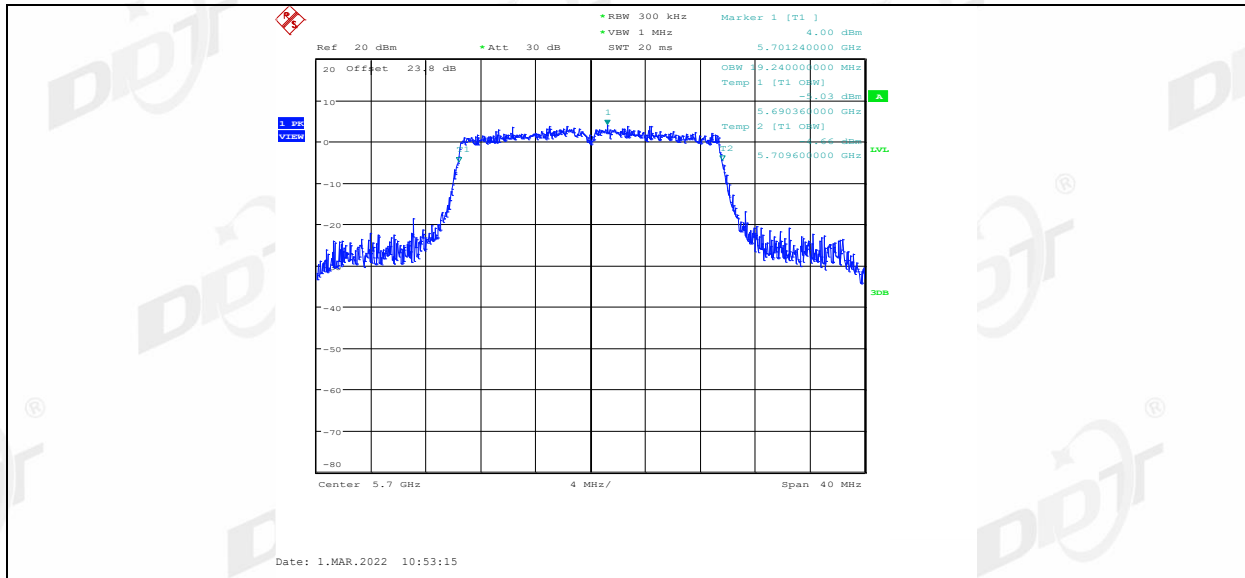
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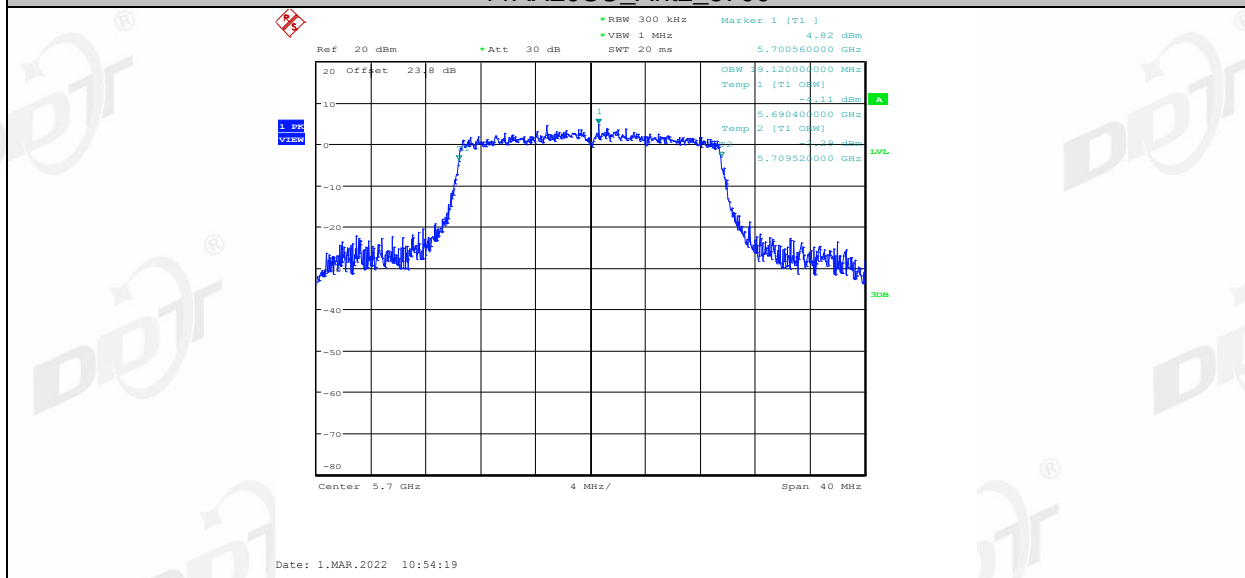
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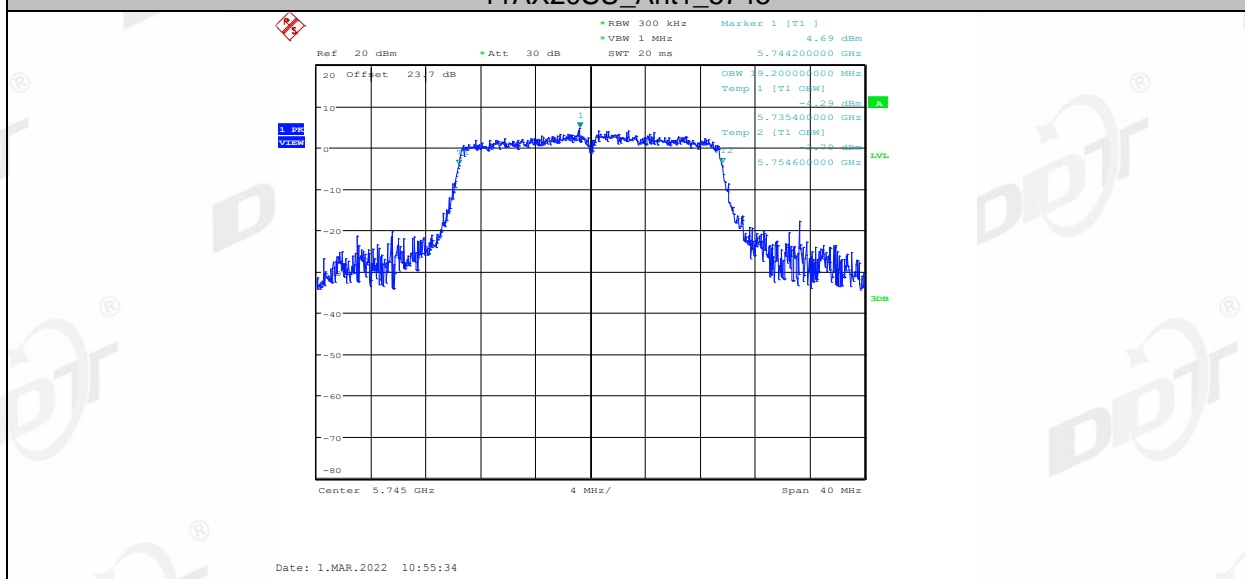
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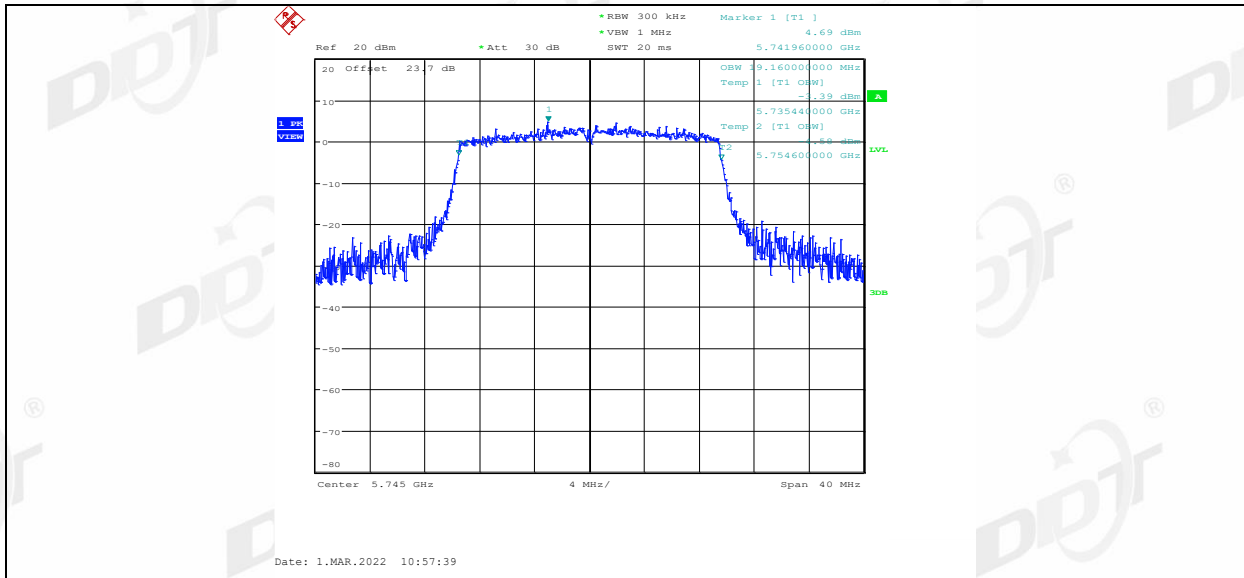
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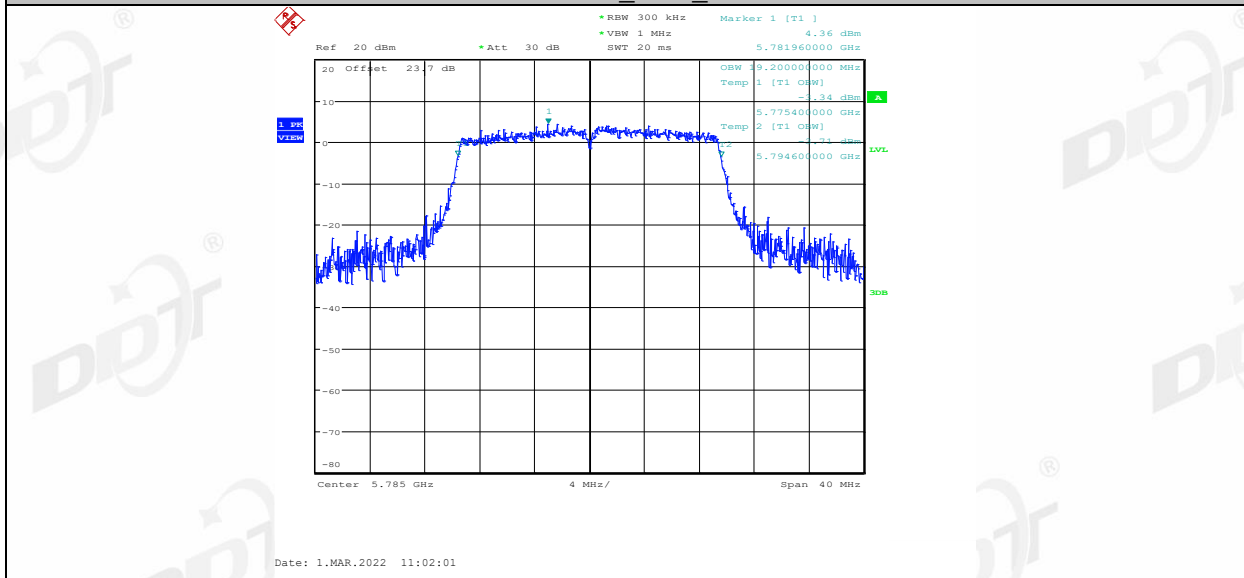
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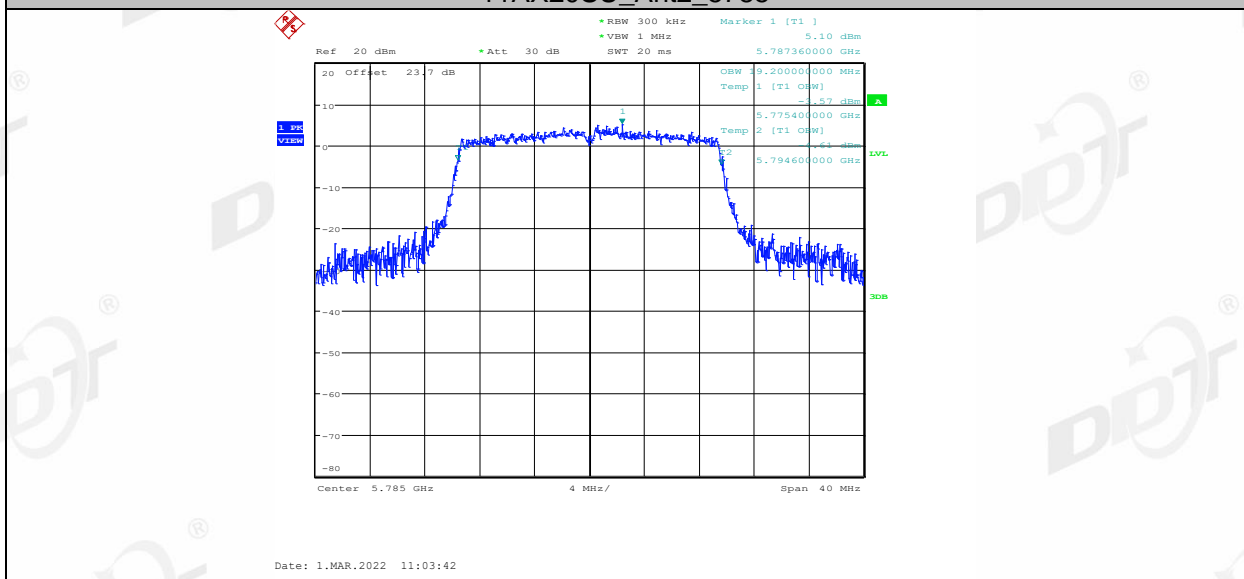
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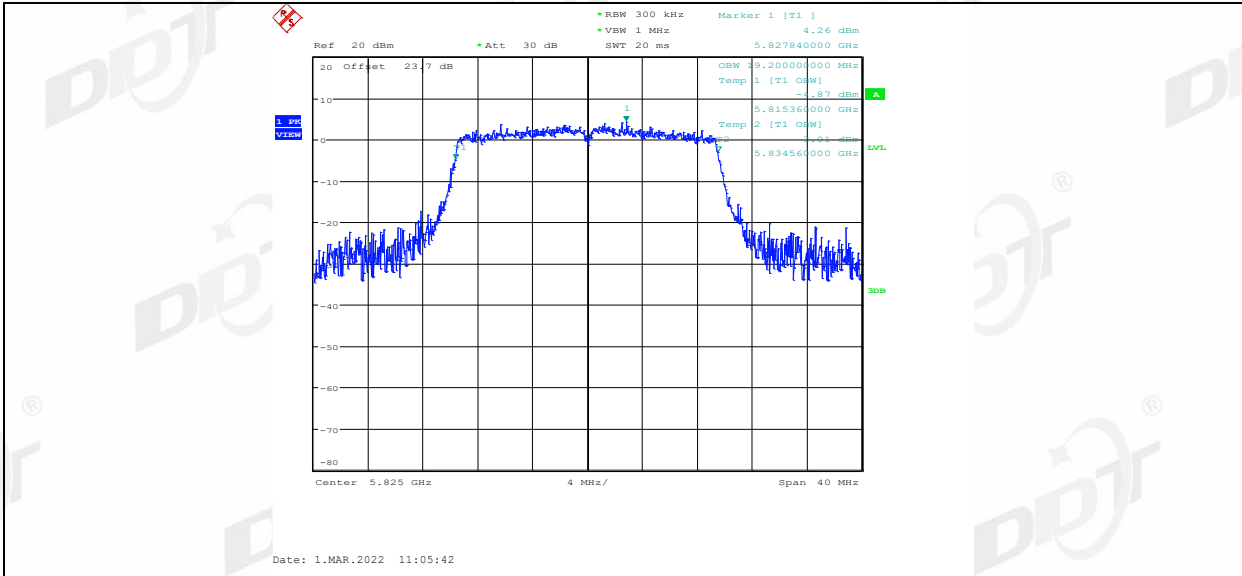
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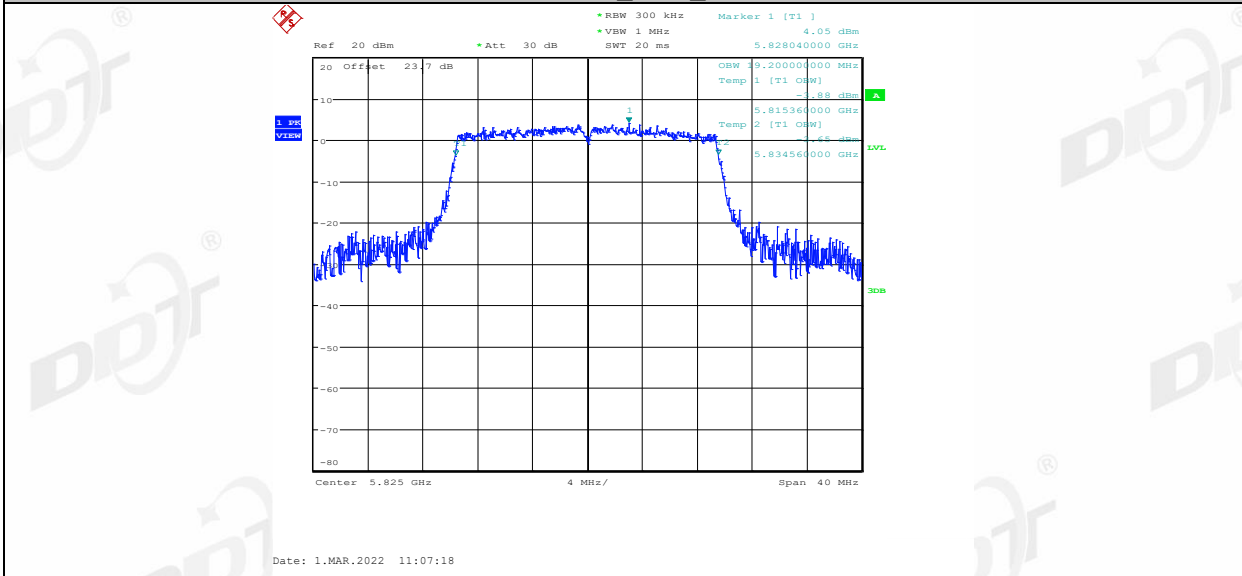
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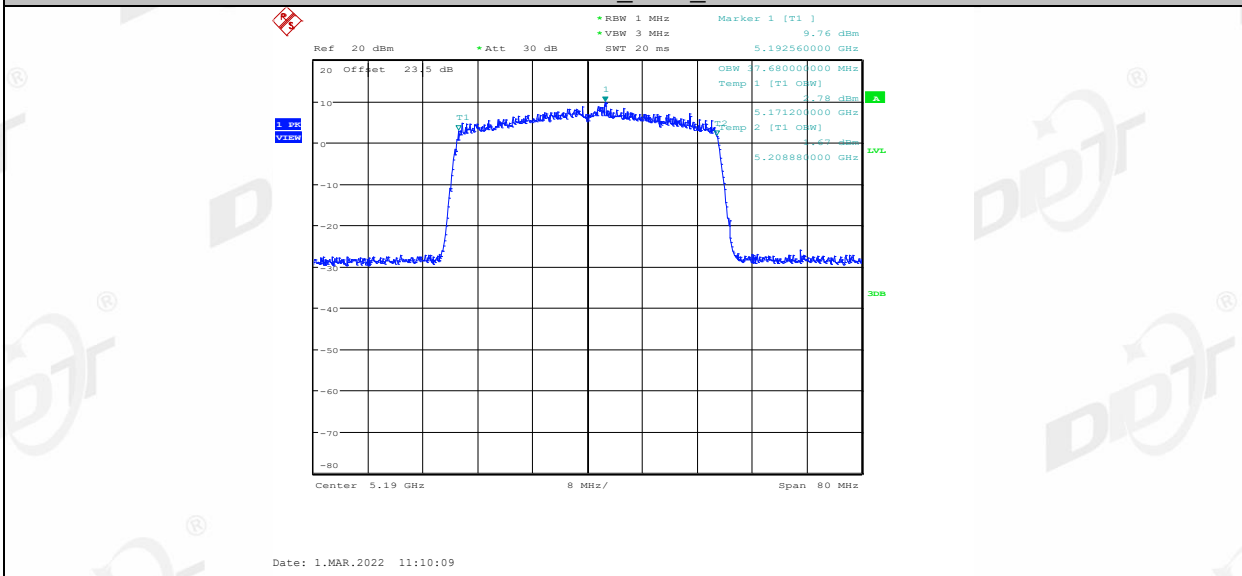
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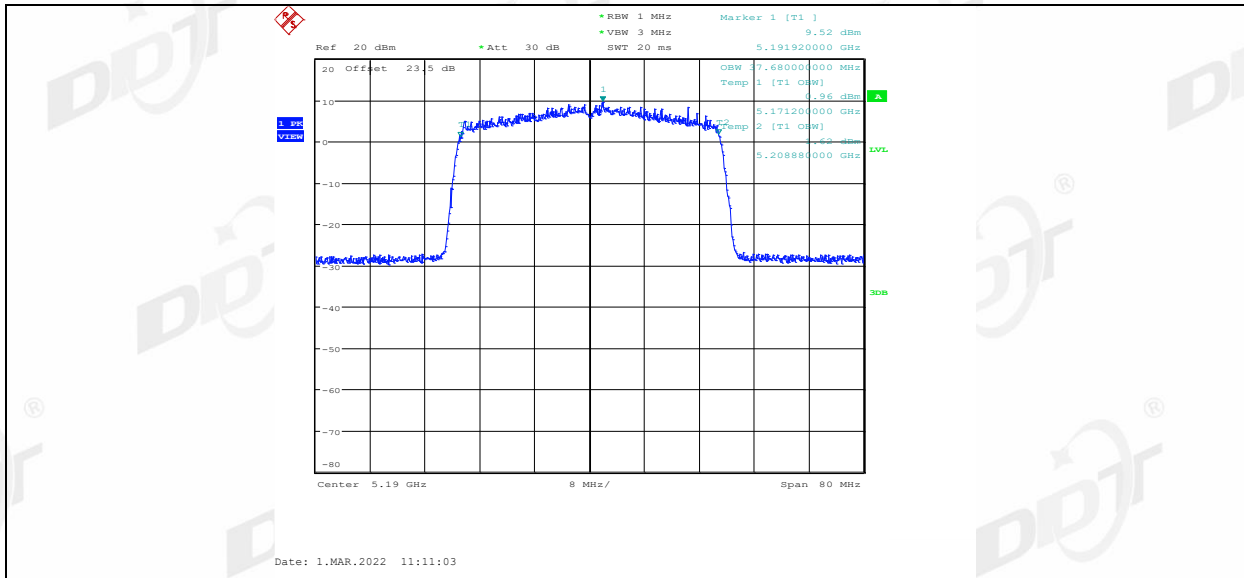
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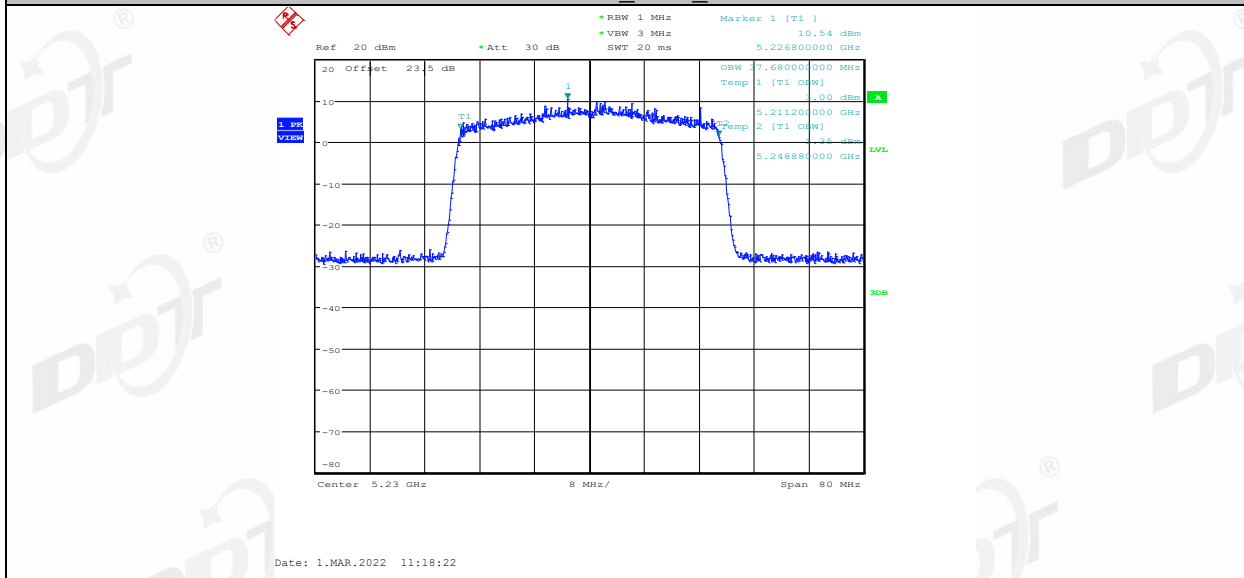
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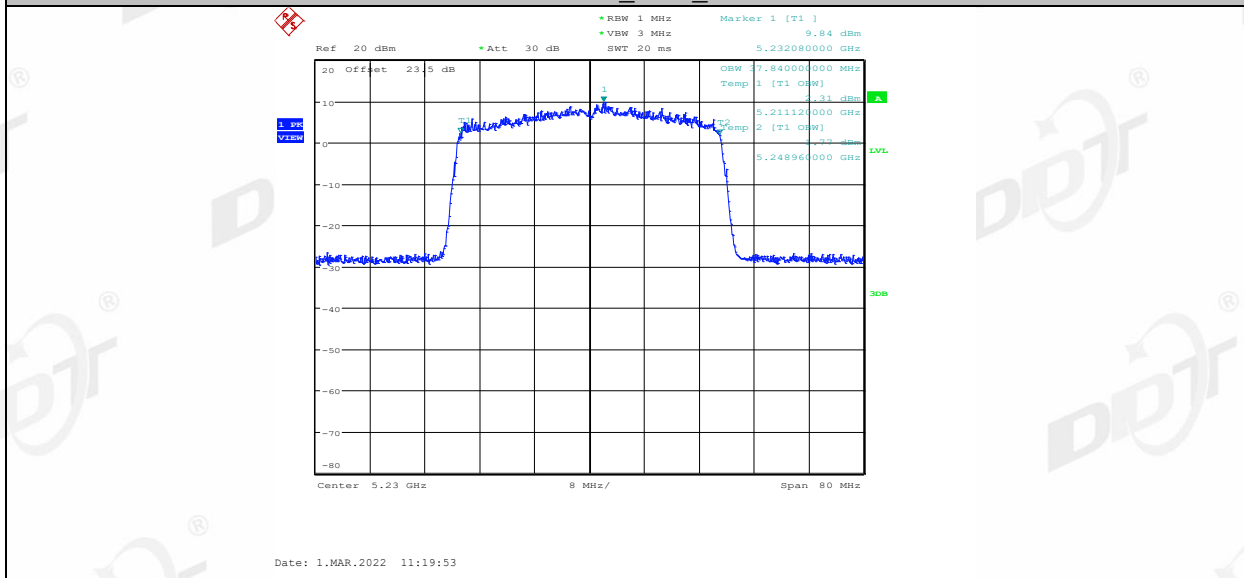
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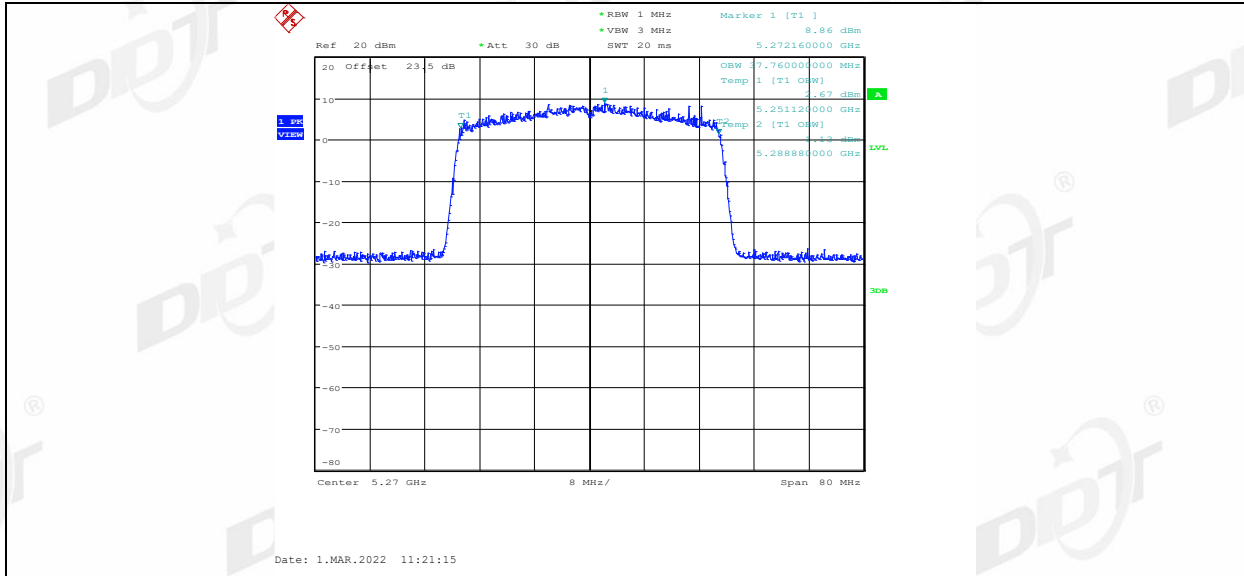
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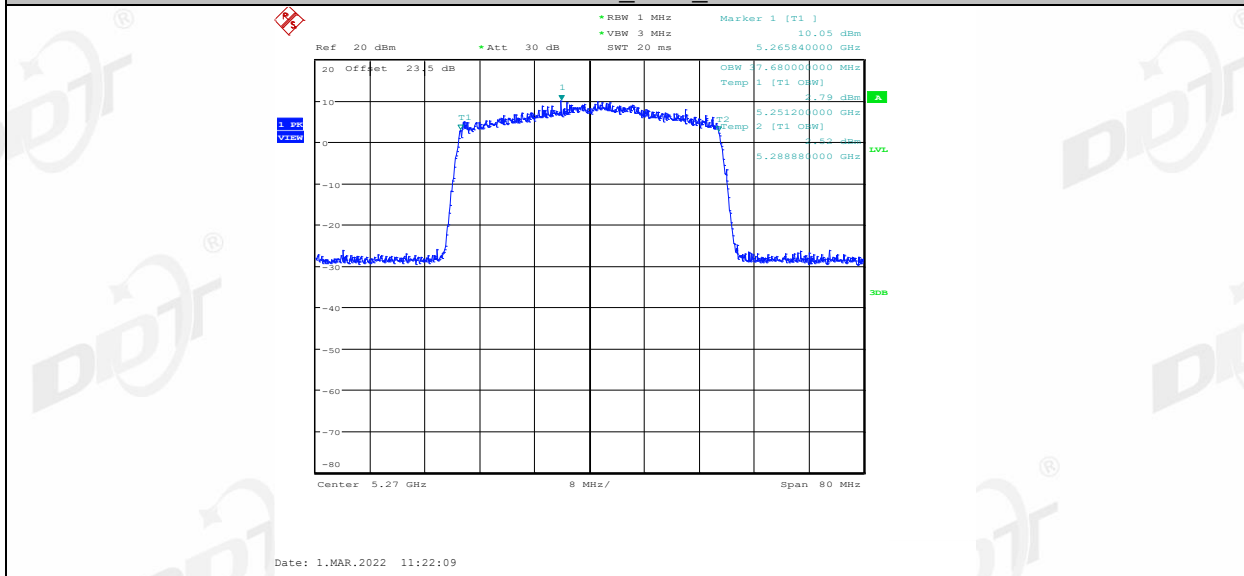
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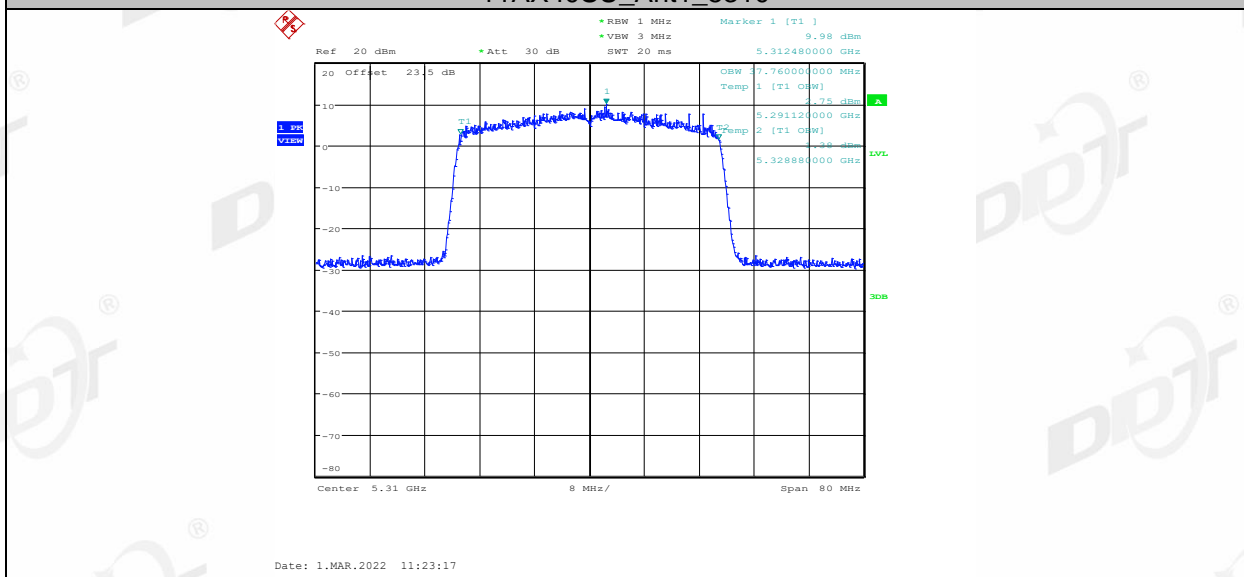
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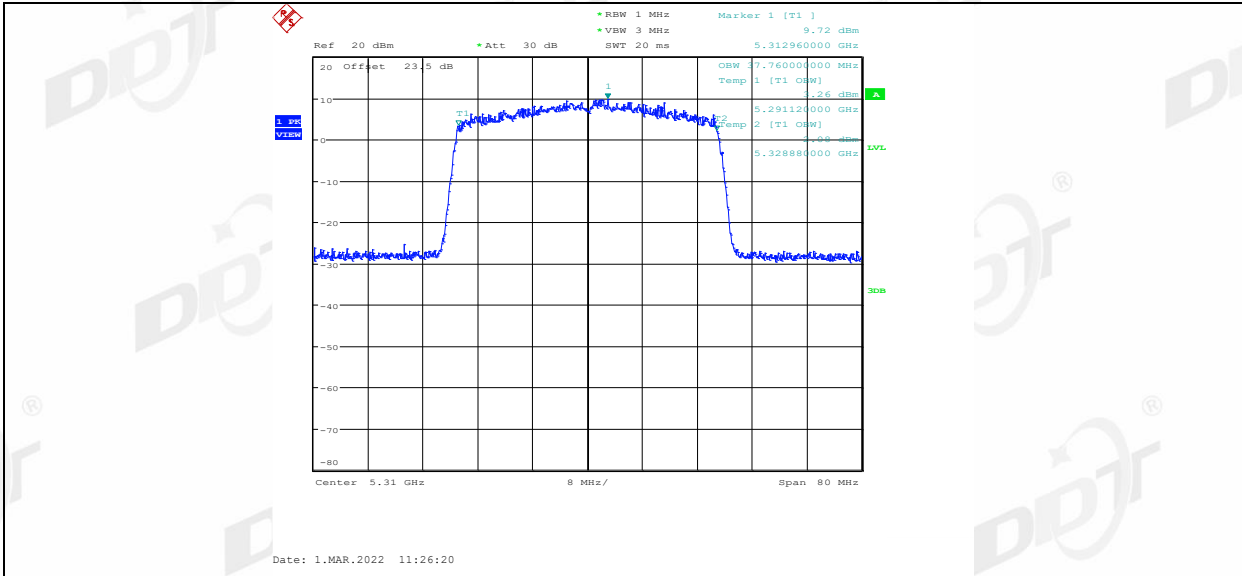
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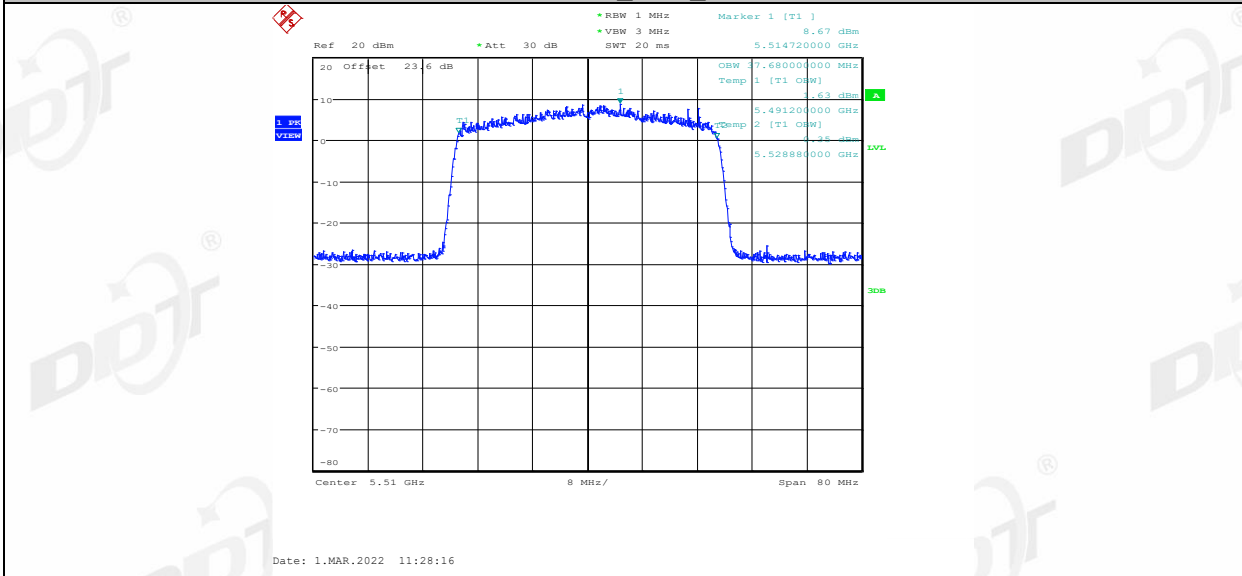
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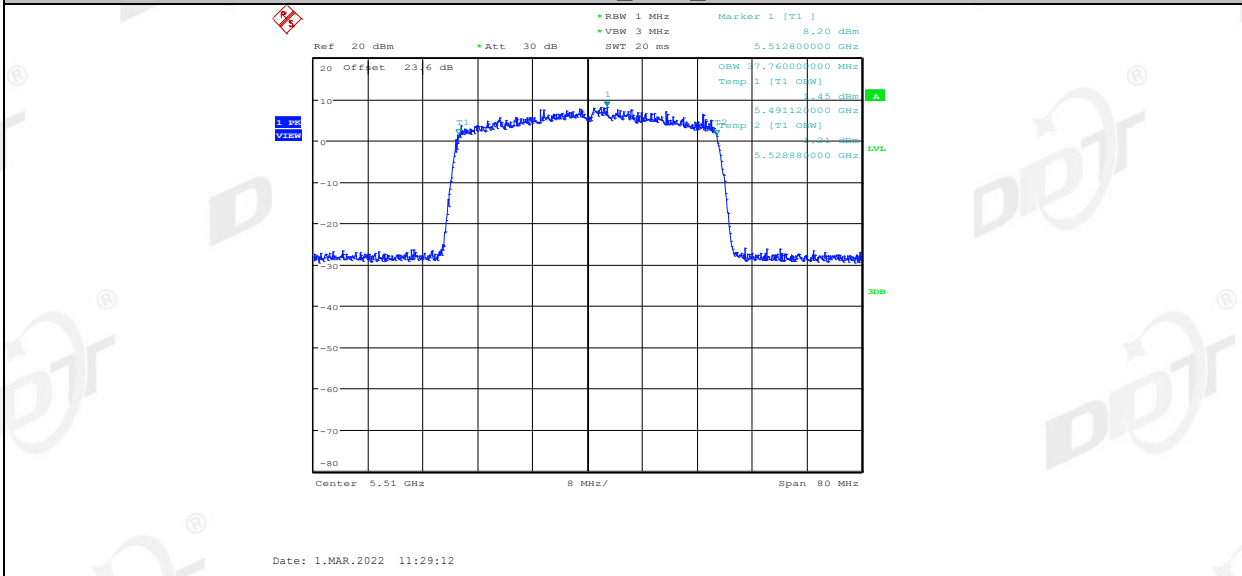
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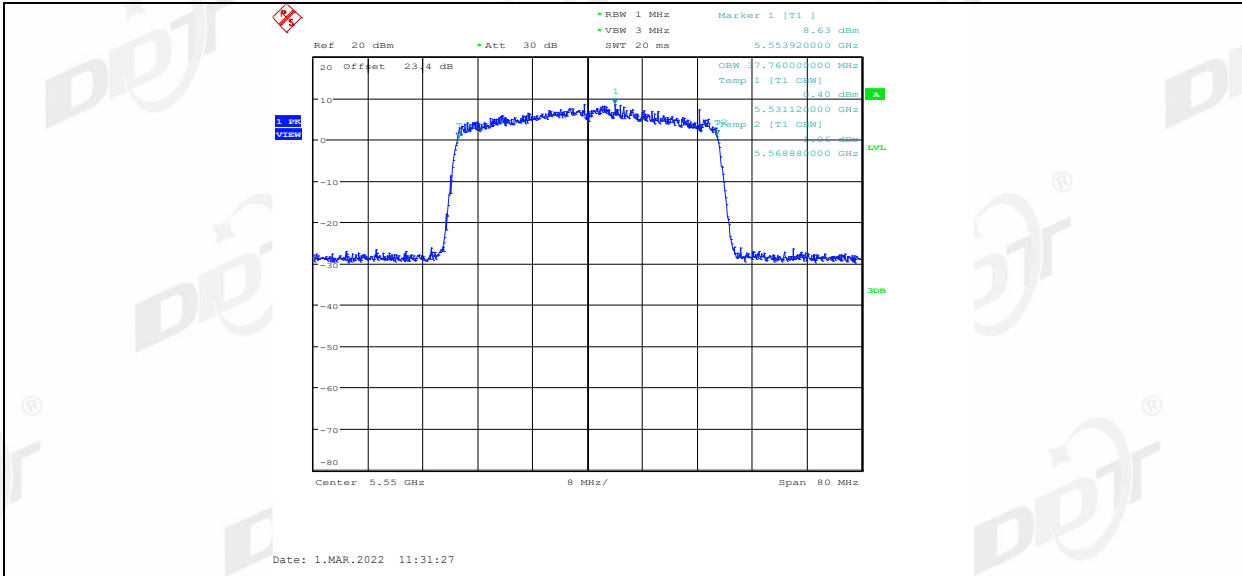
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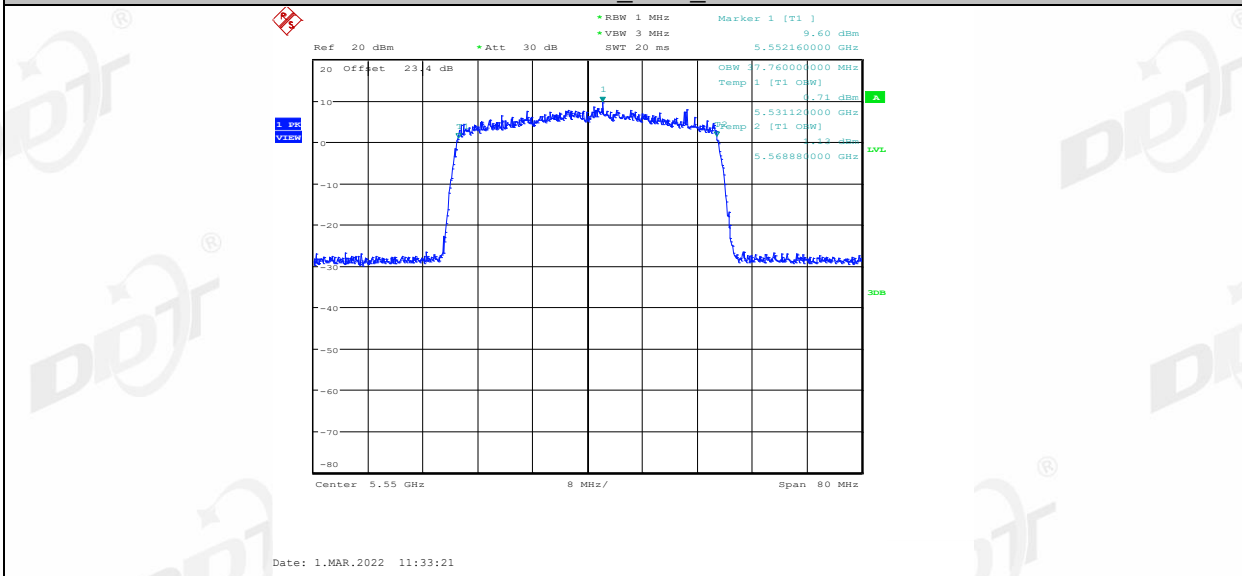
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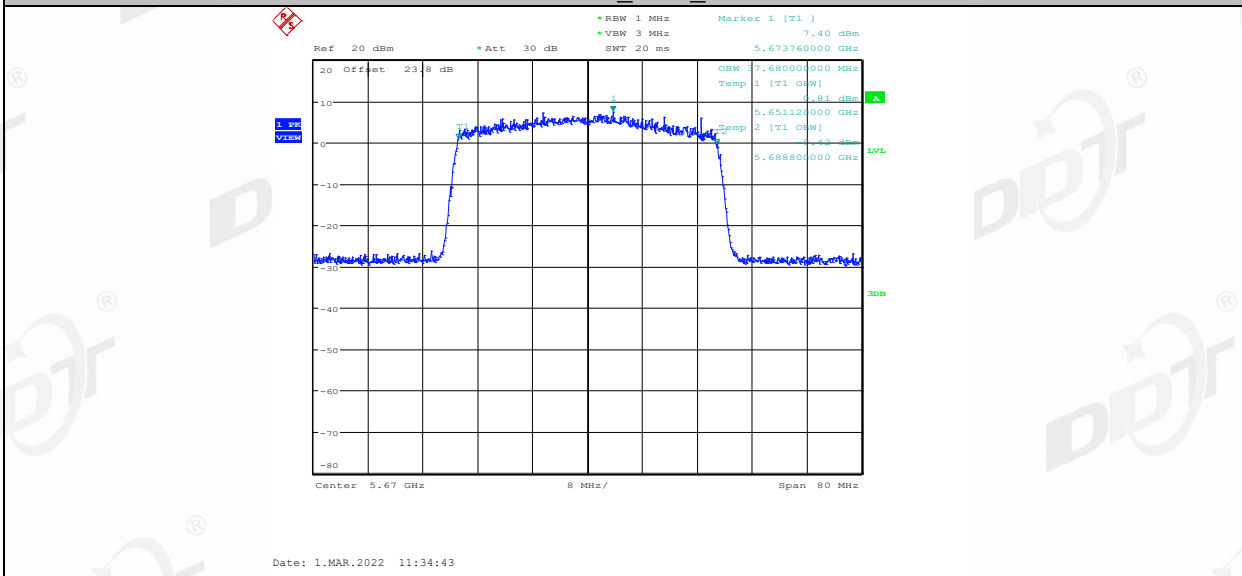
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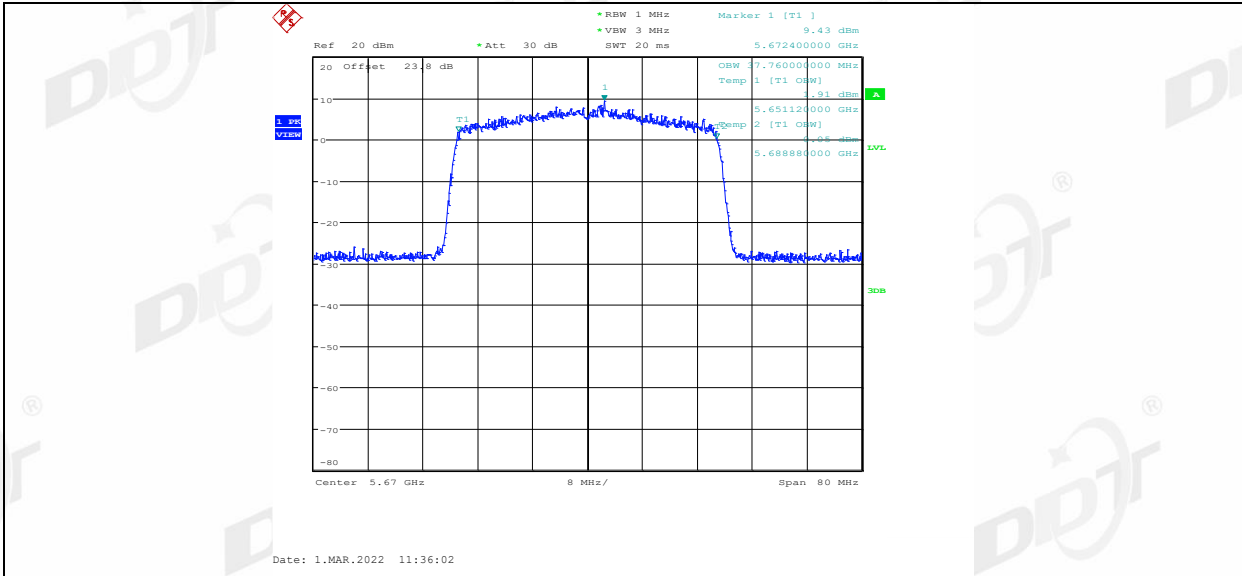
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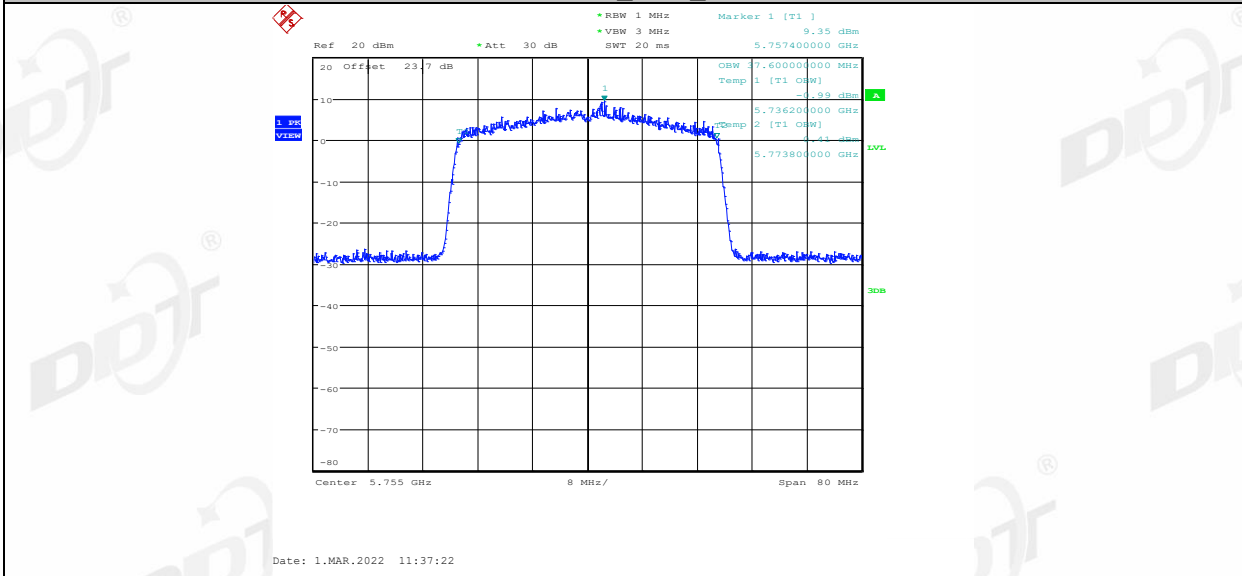
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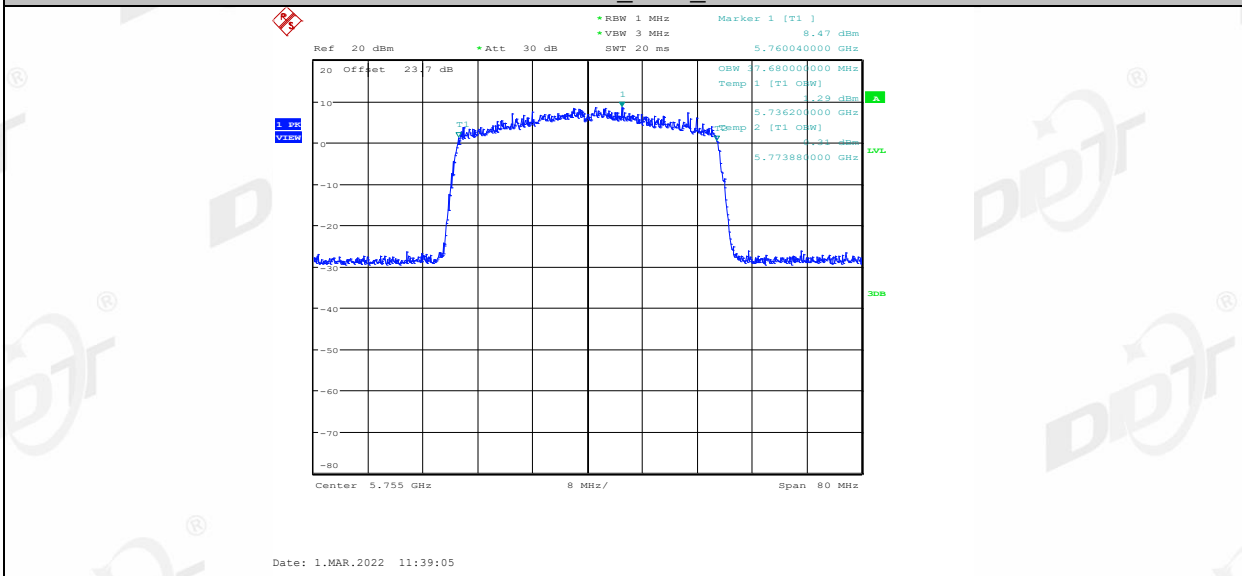
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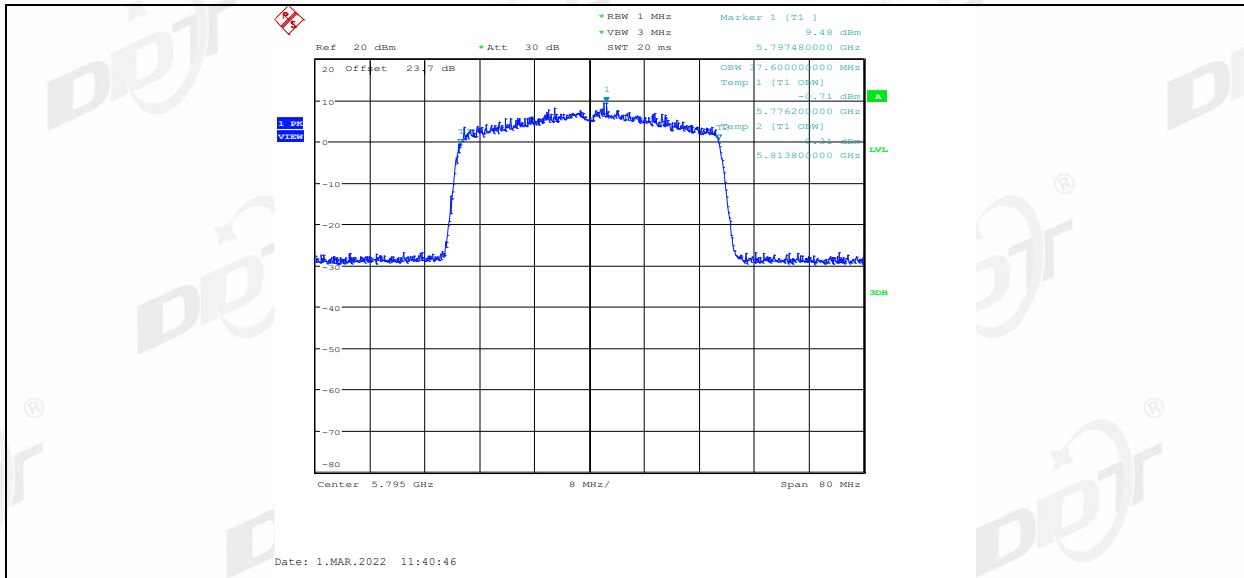
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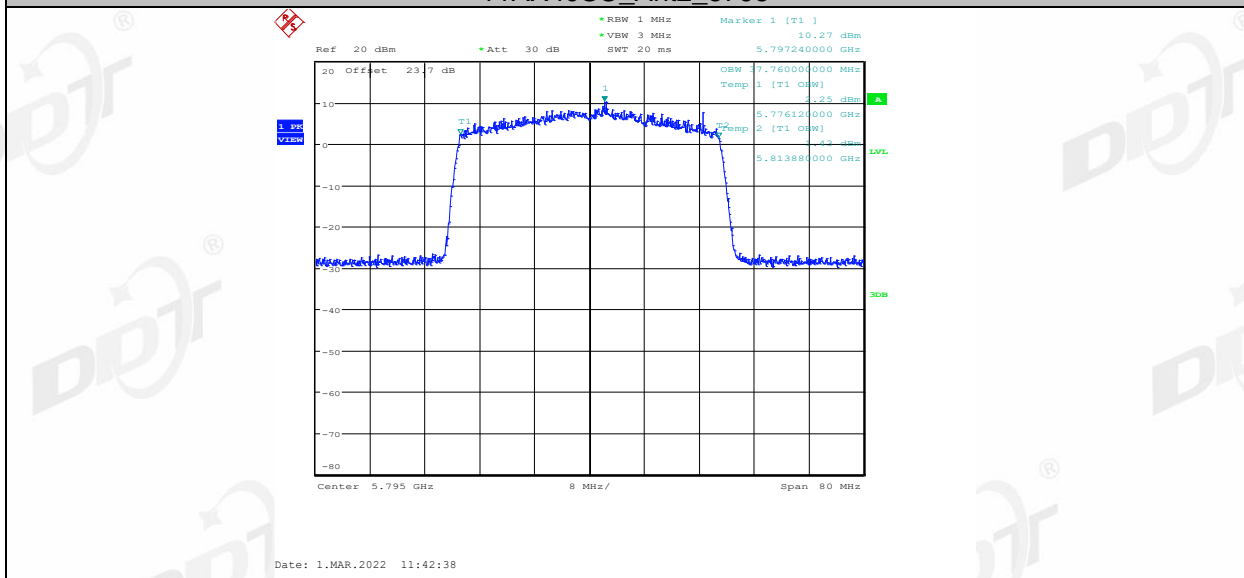
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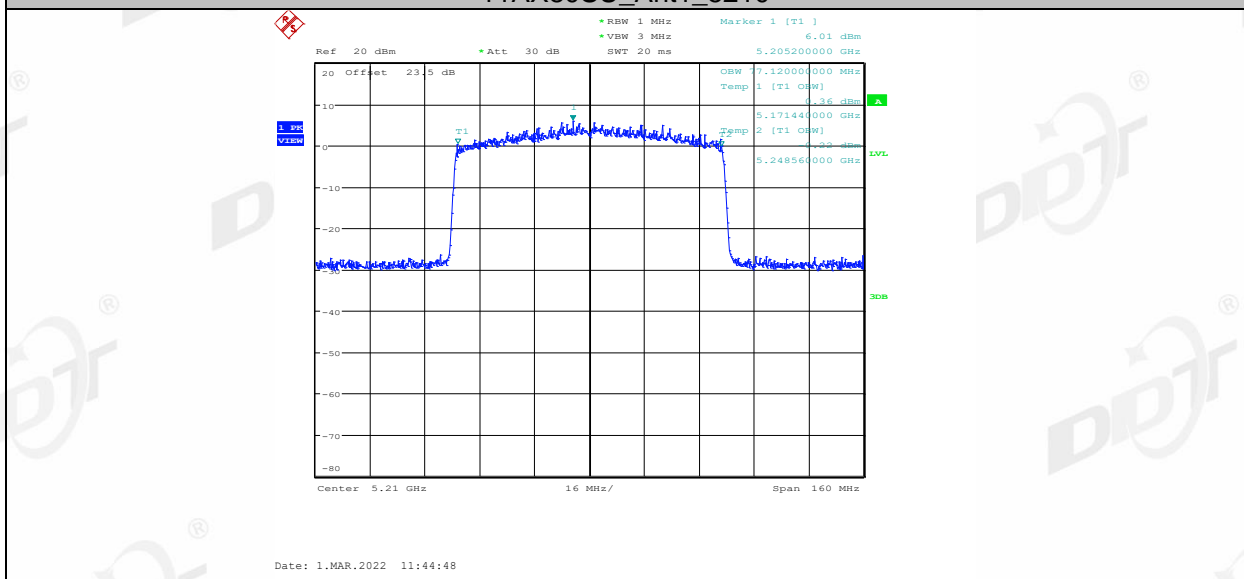
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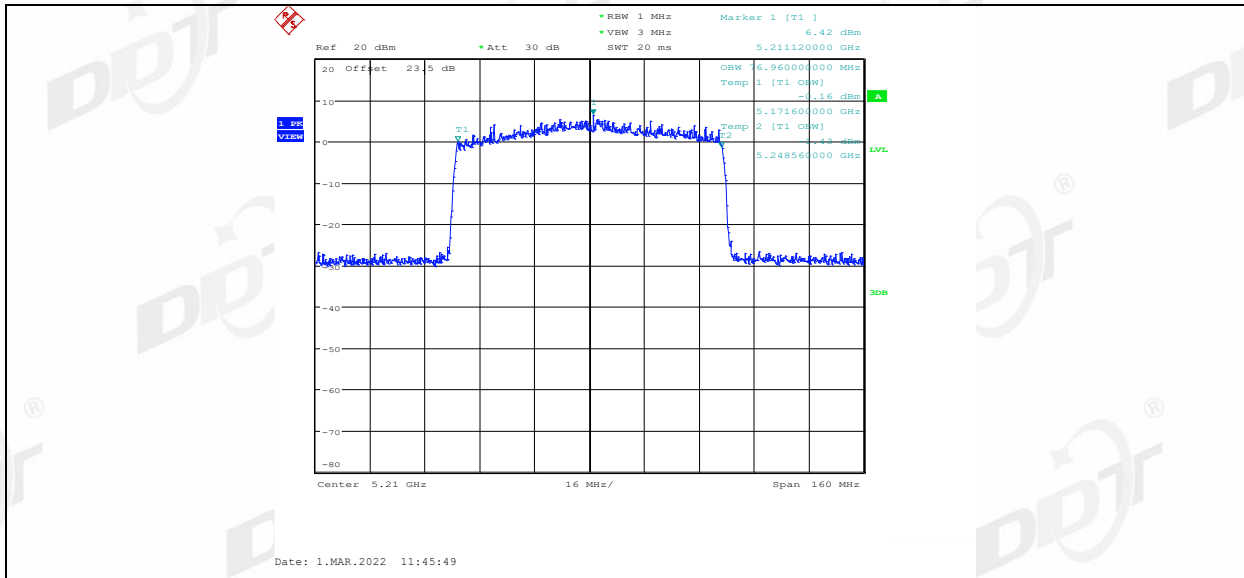
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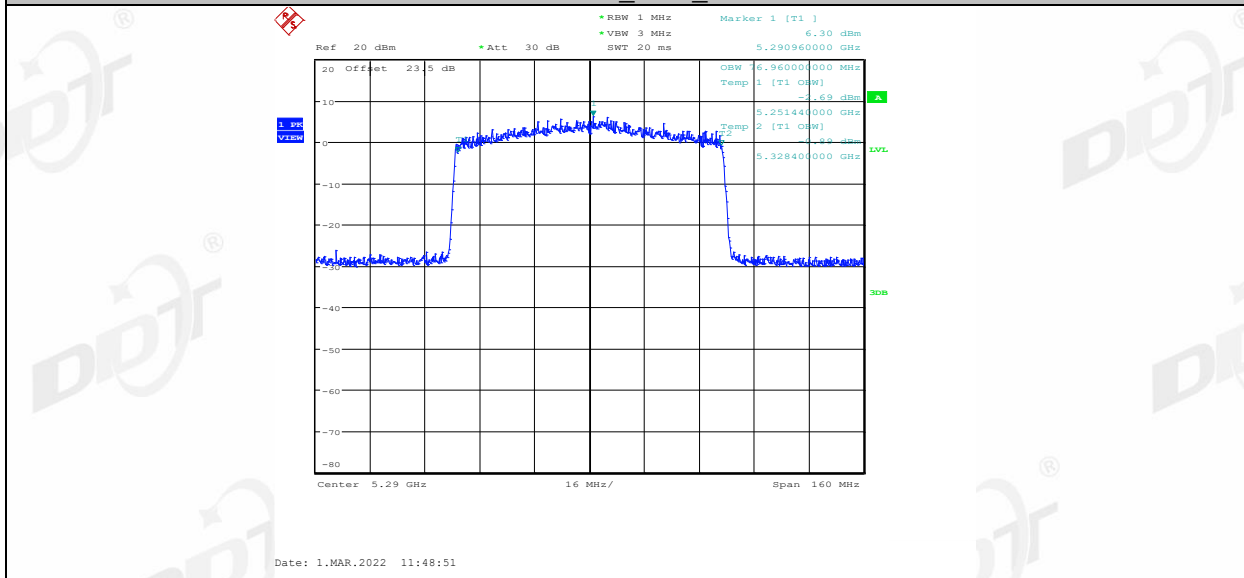
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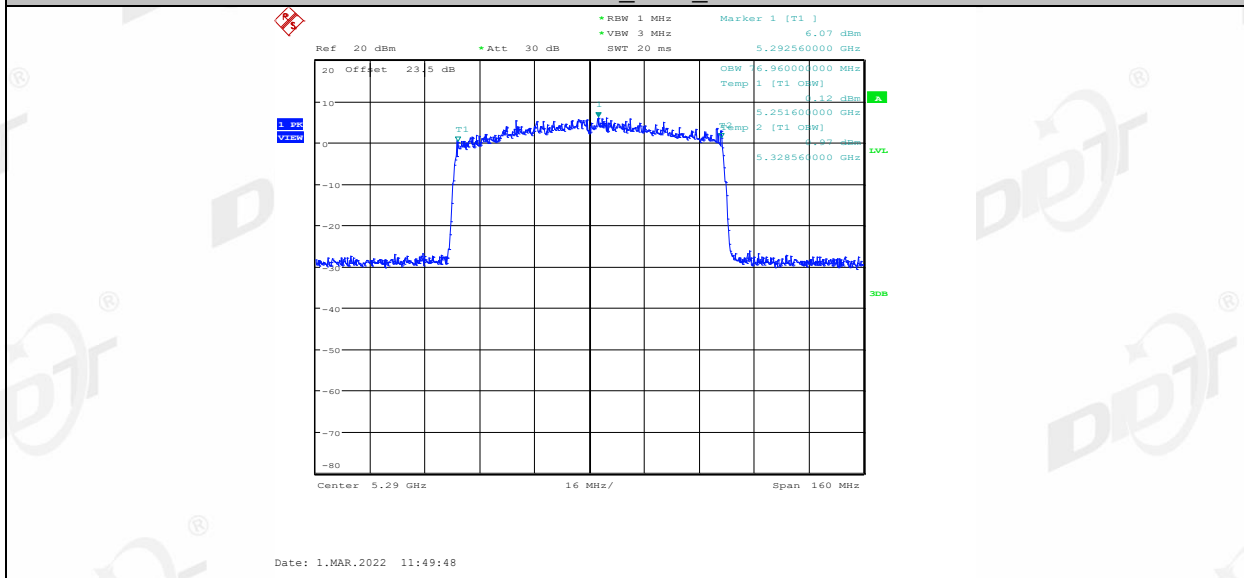
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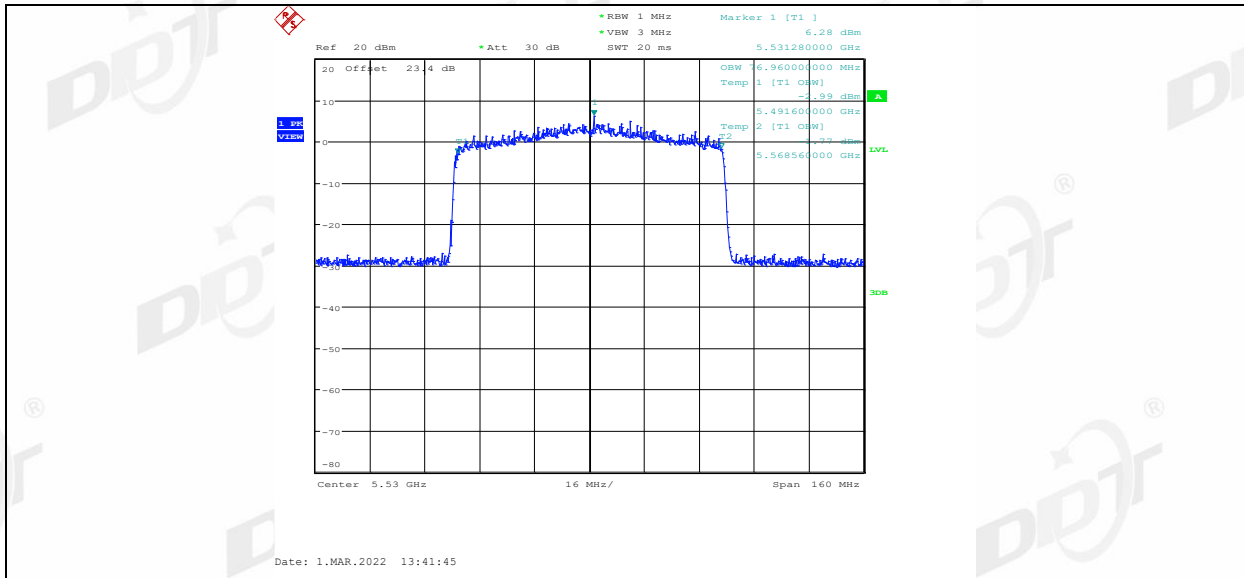
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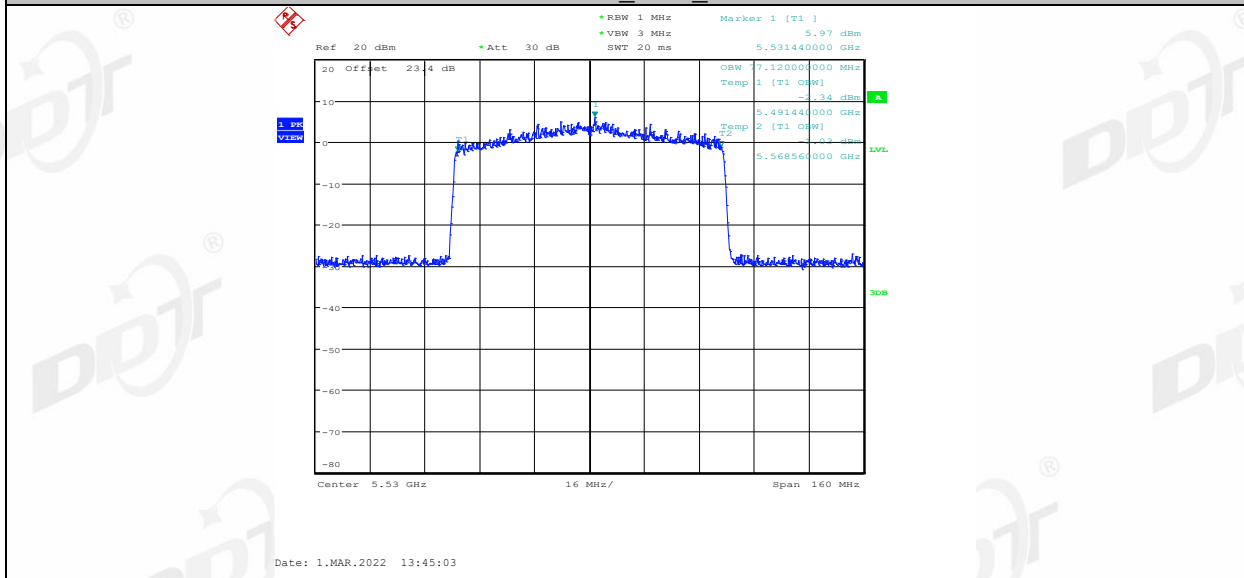
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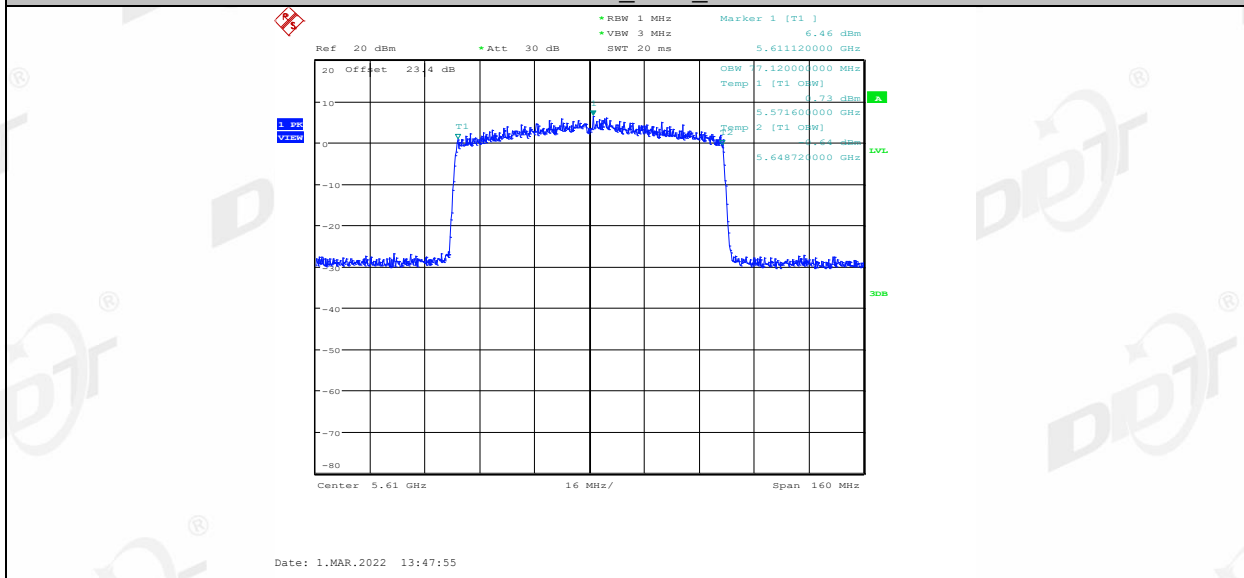
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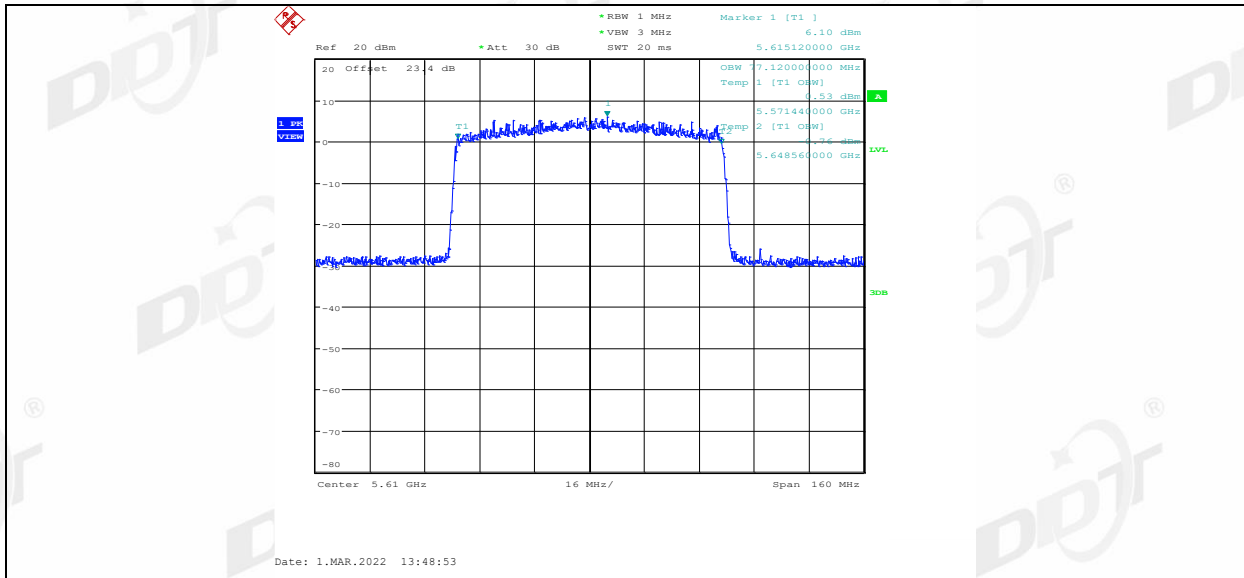
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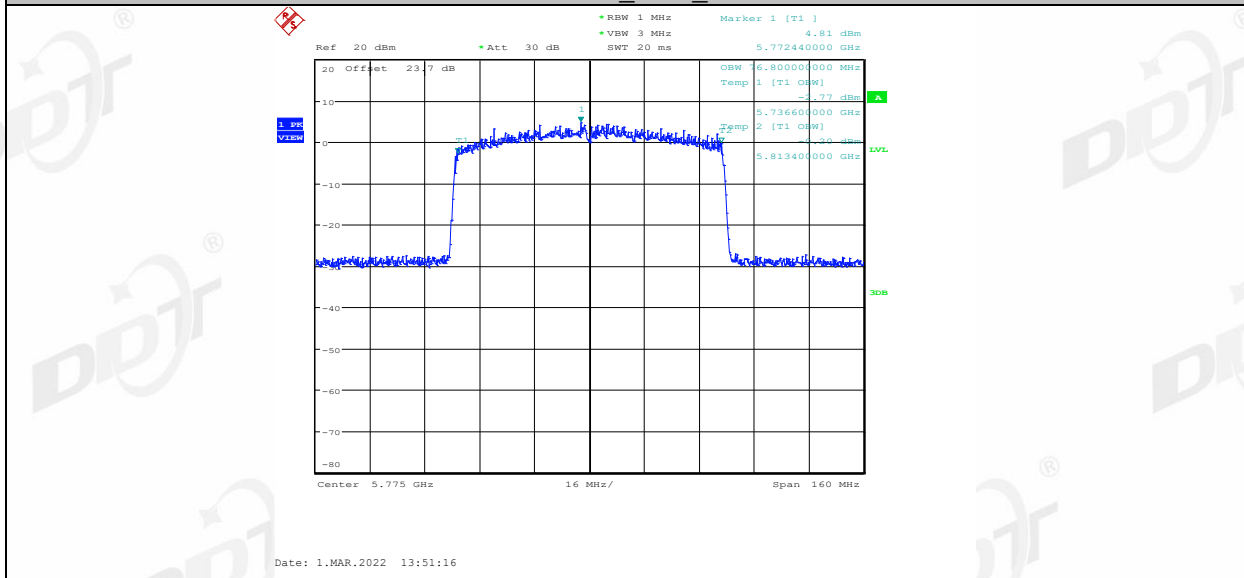
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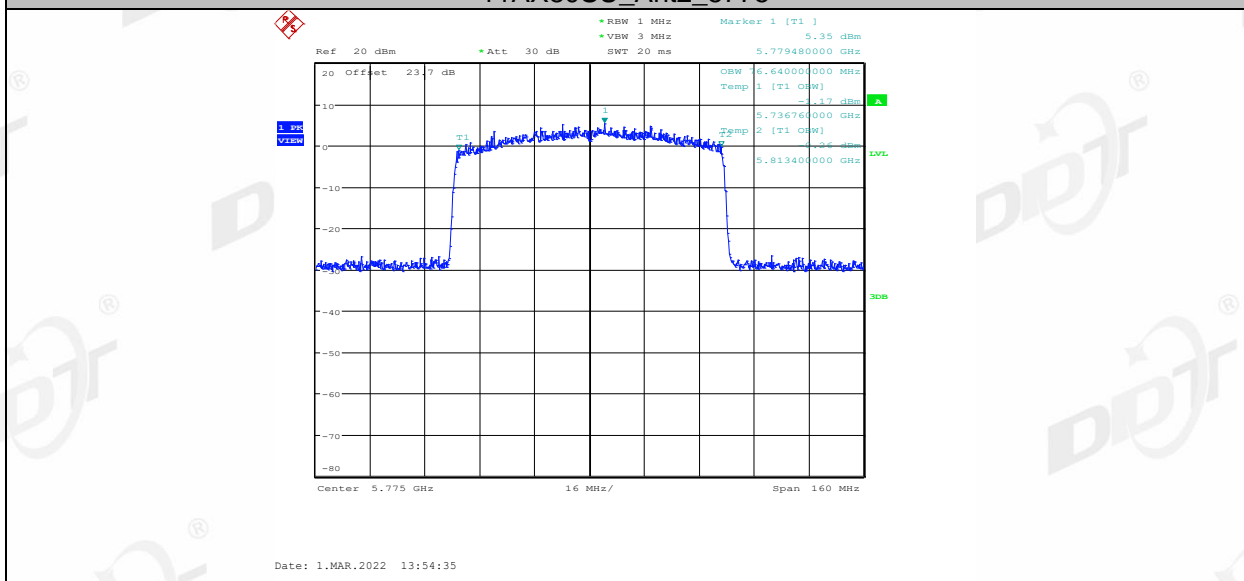
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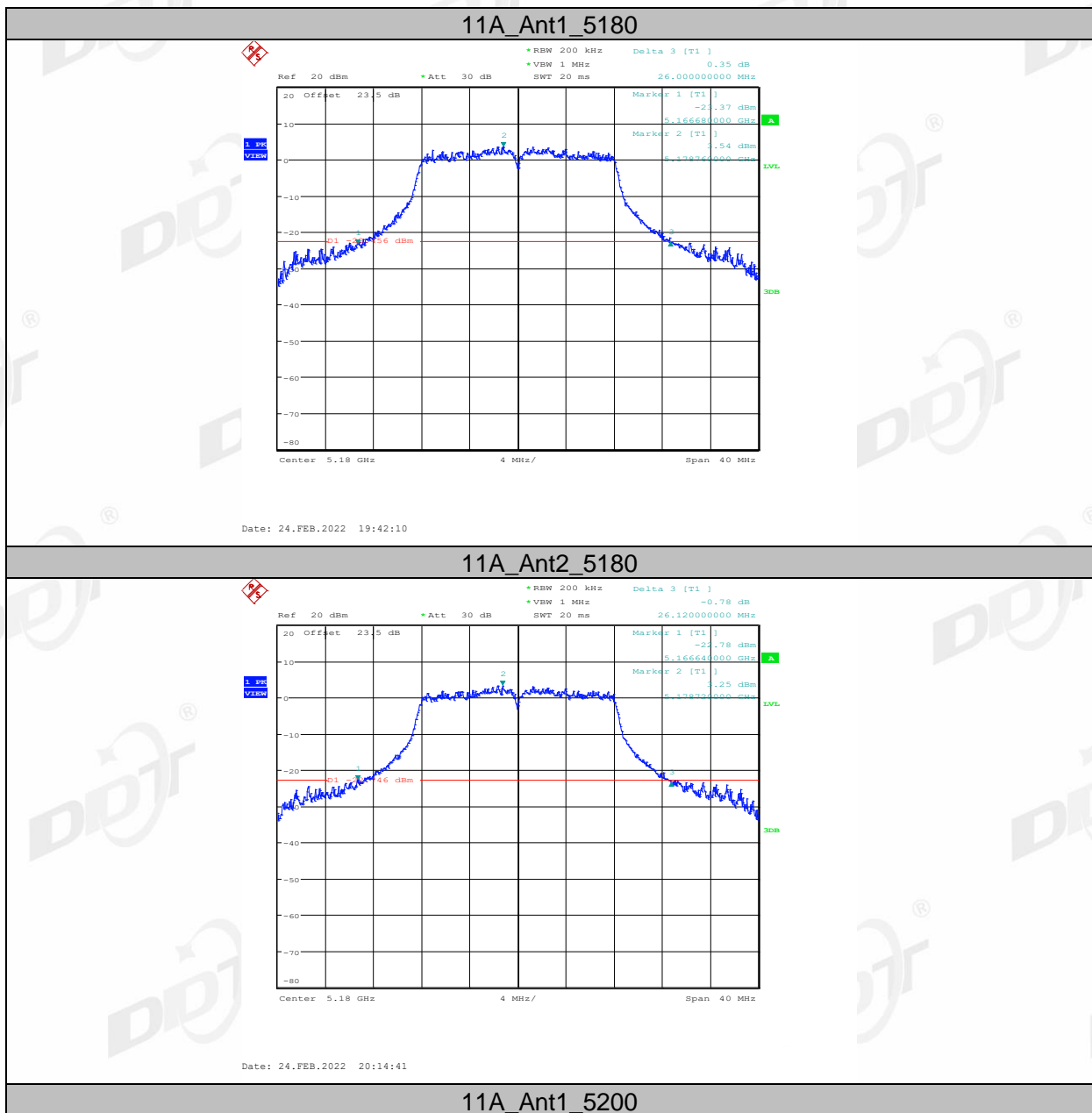
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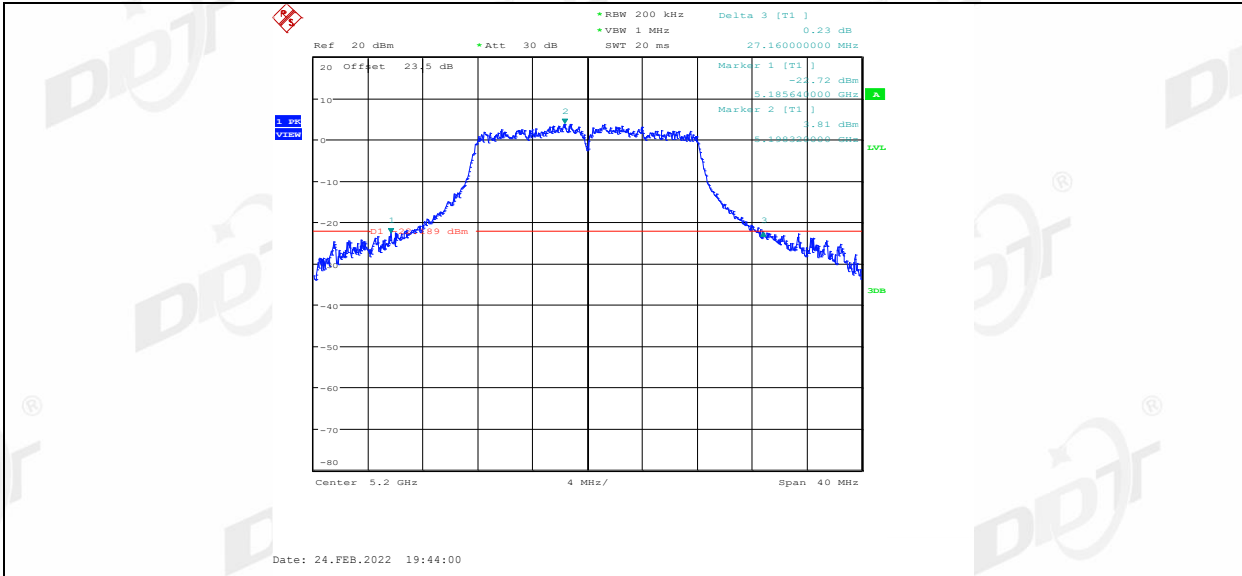


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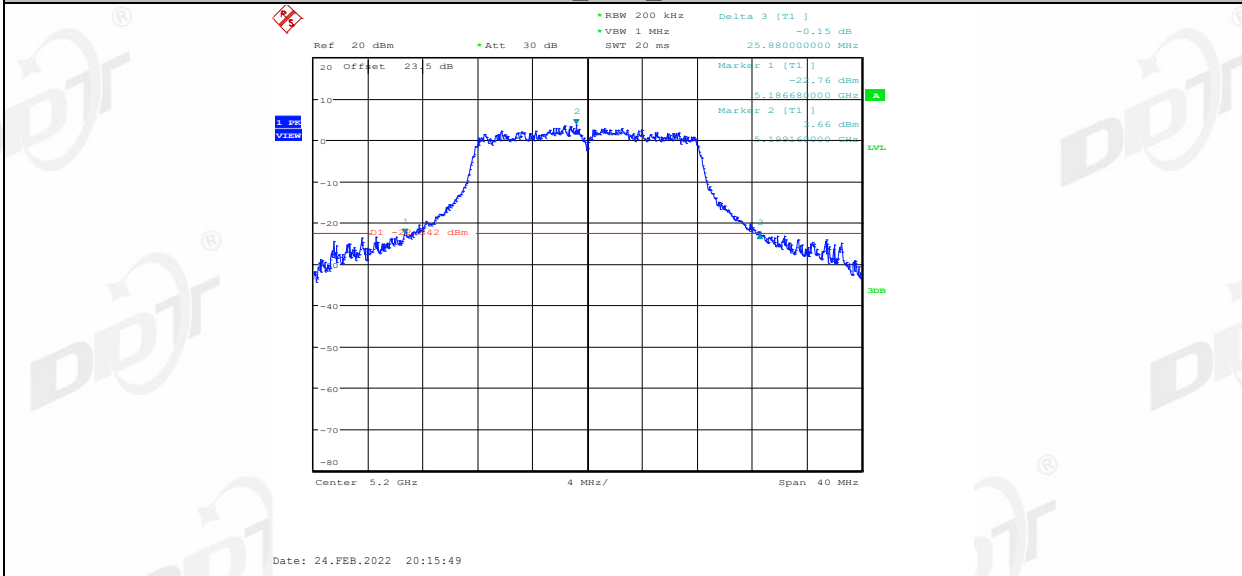


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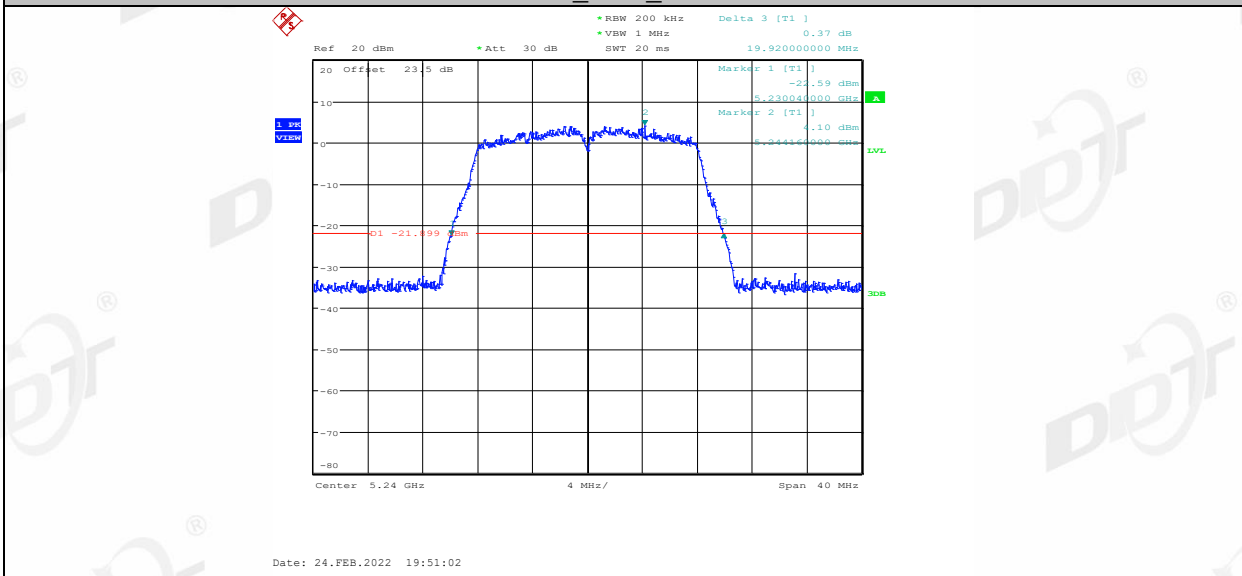




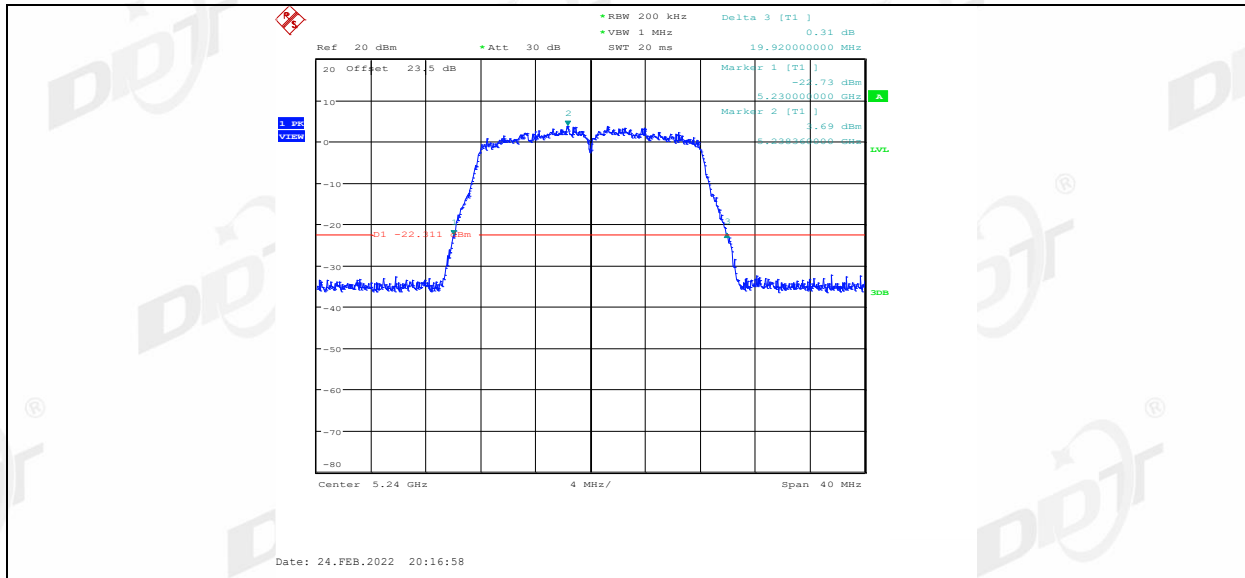
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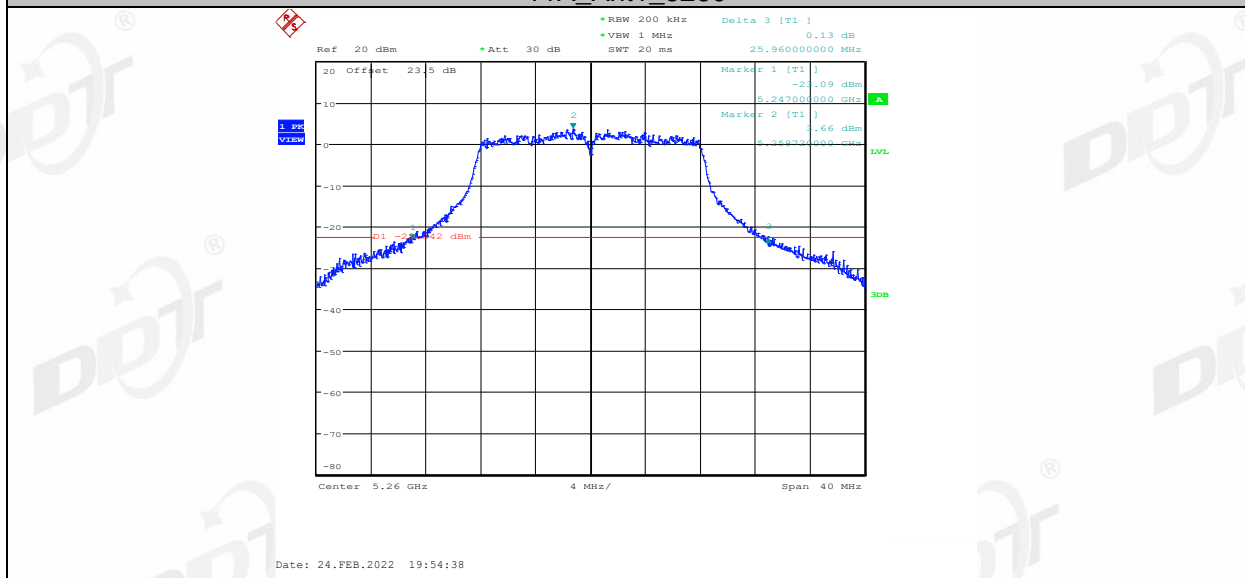
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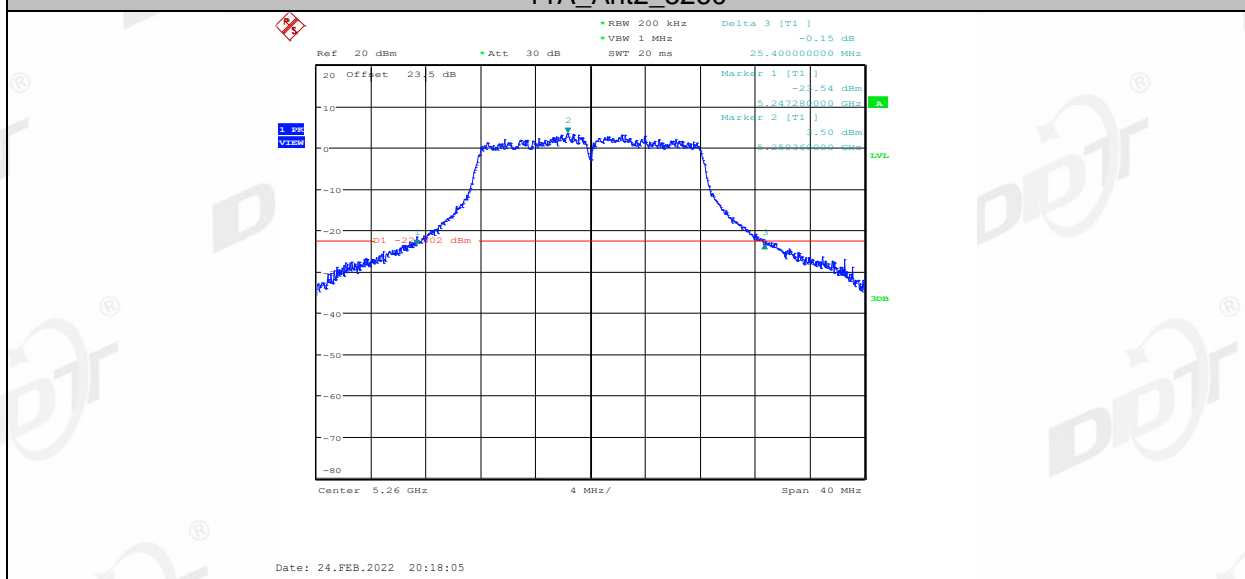
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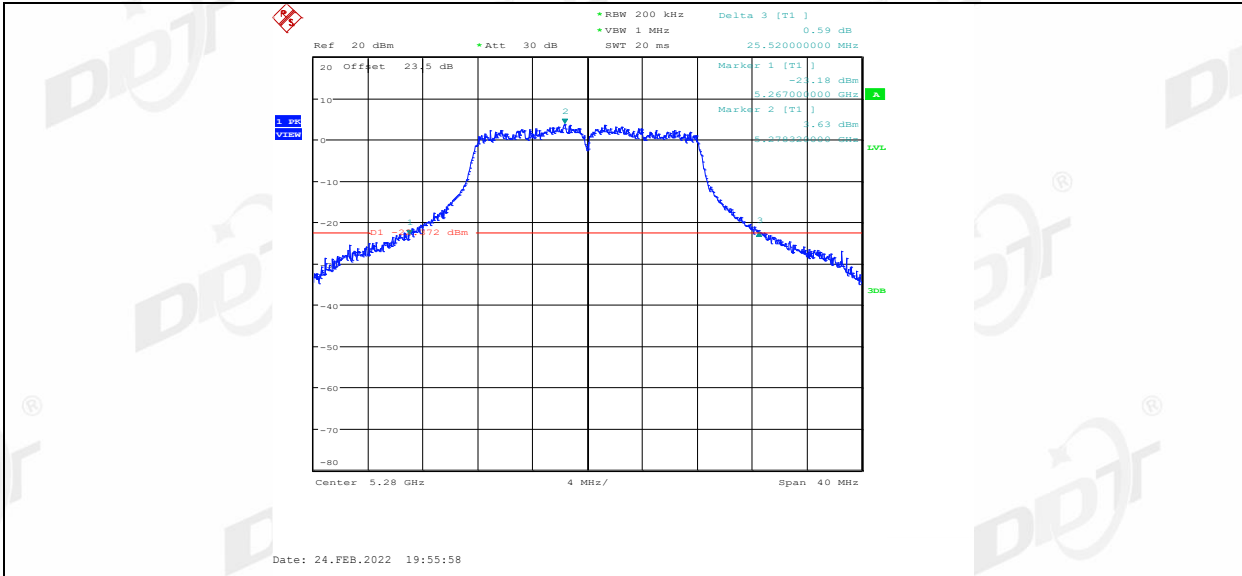
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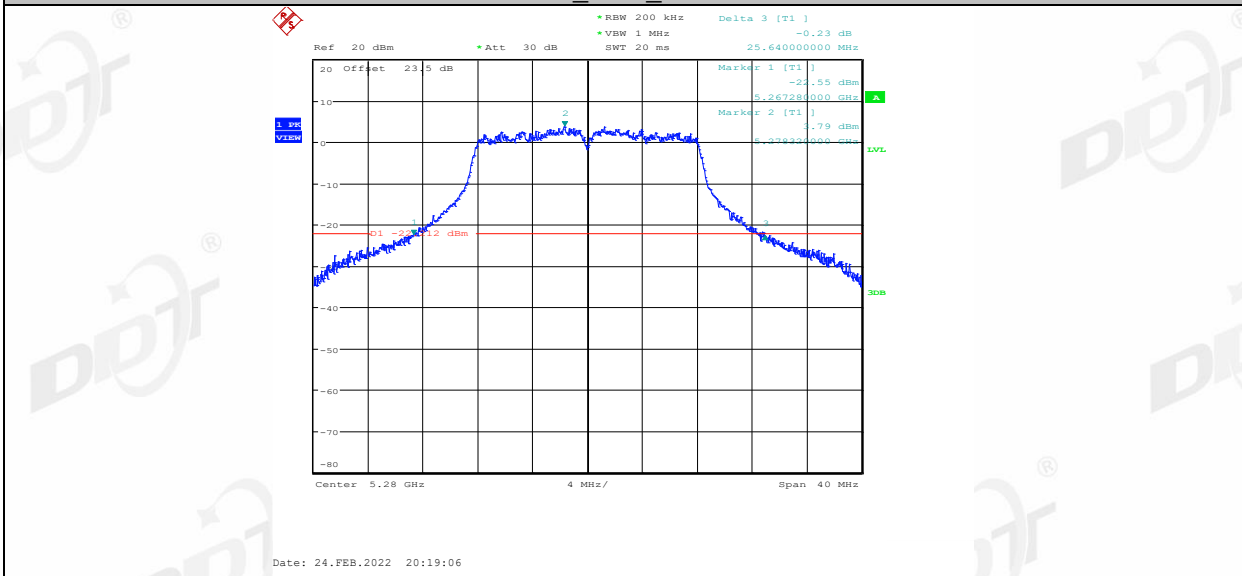
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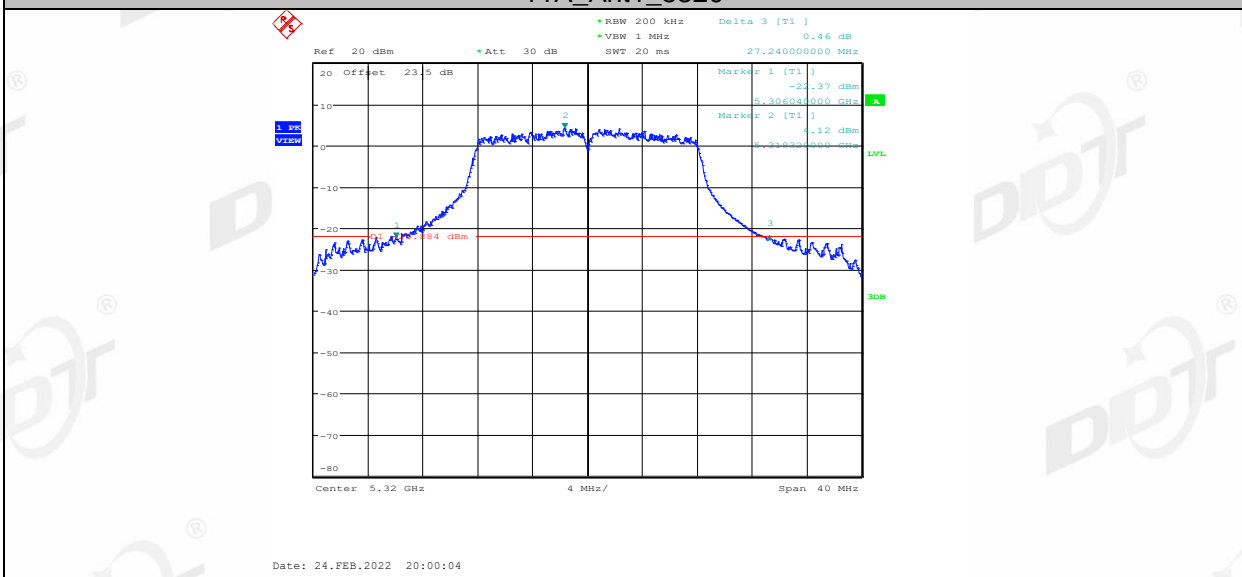
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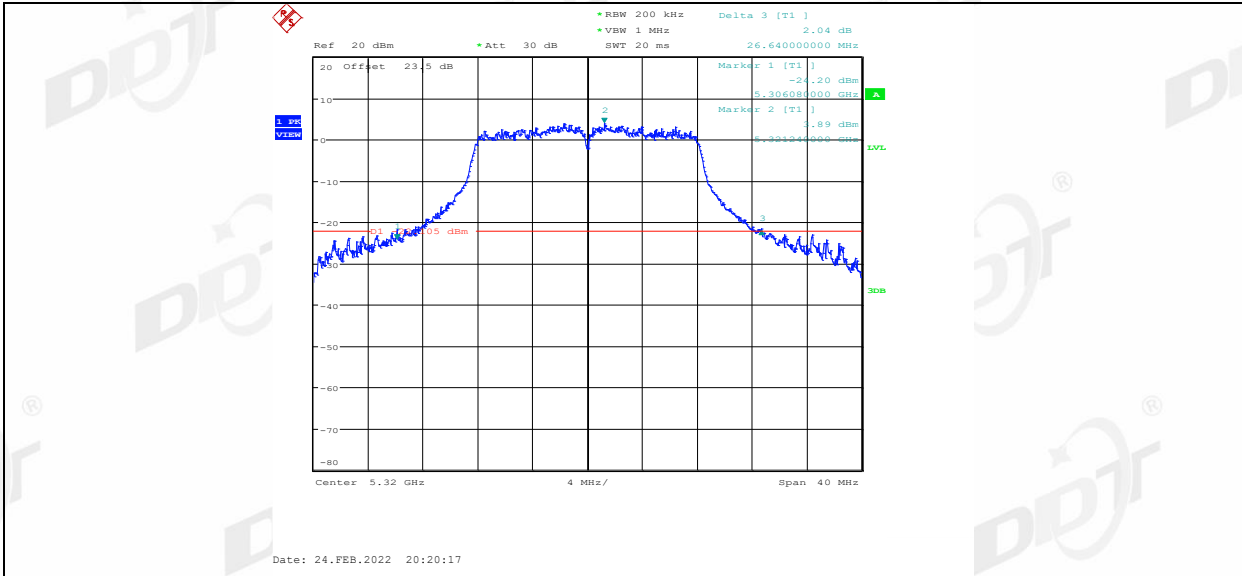
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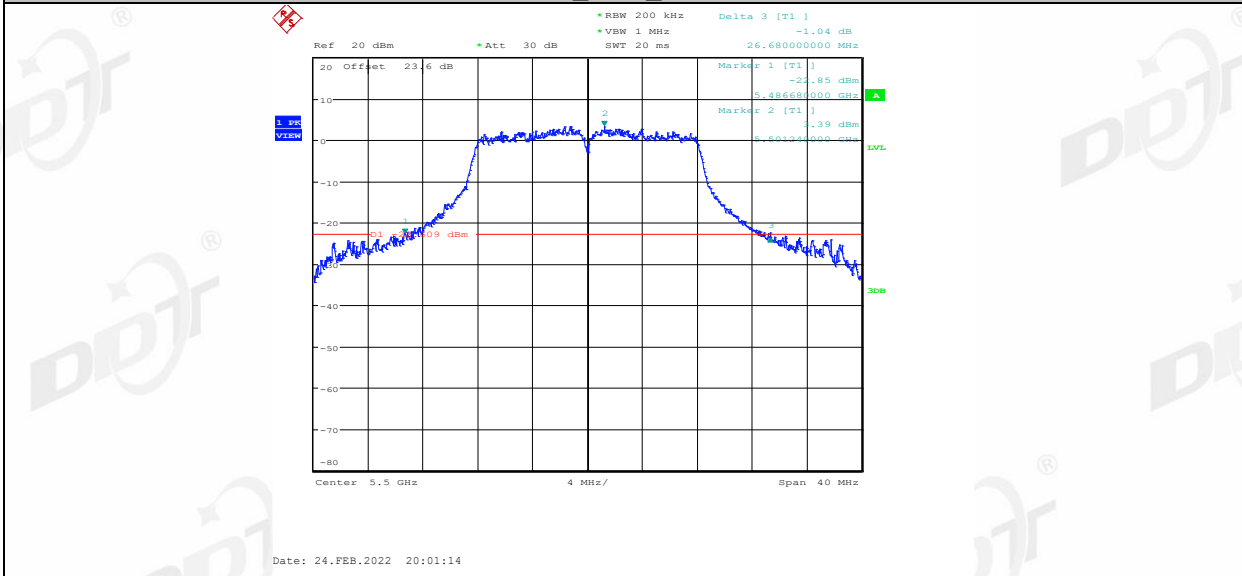
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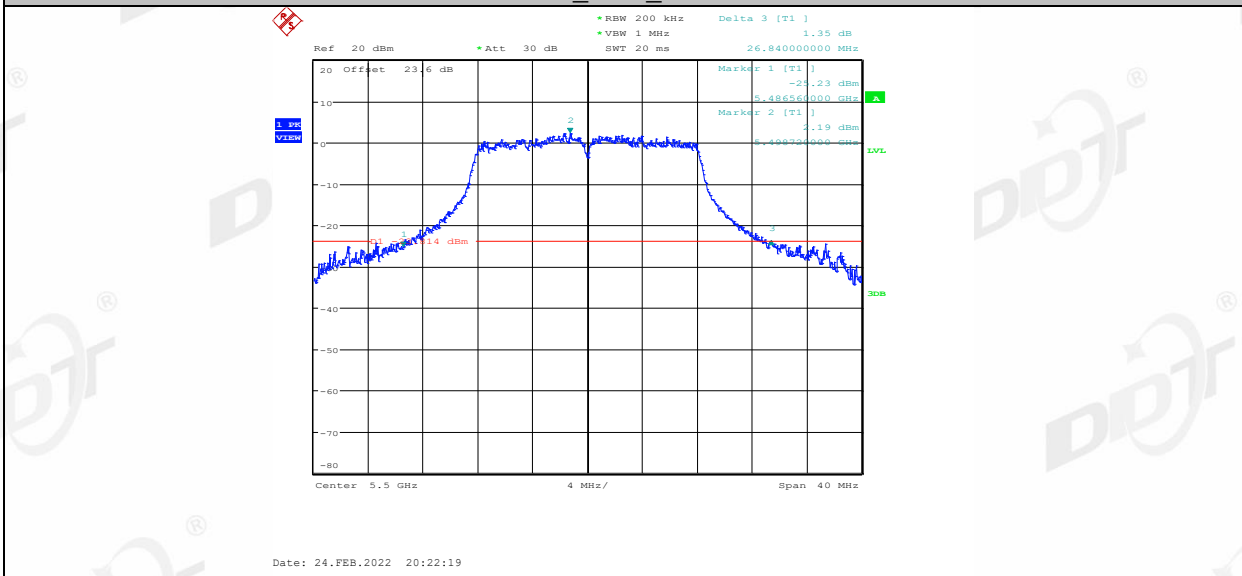
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11A_Ant1_5500



11A_Ant2_5500



11A_Ant1_5580