

FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	SELVAS Healthcare, Inc.
Address	:	155, Sinseong-ro, Yuseong-gu, Daejeon, Republic of Korea
Equipment under Test	:	OCR Multi-Player
Model No.	:	T90ET, T90EZ
Trade Mark	:	N/A
FCC ID	:	2AL4D-T90
Manufacturer	:	Shenzhen Moss Technology Co., Ltd.
Address	:	Room 498, F1, TCL International E-City, 1001 Sun Yat-sen Garden Road, Xili Street, Nanshan District, Shenzhen

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

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REPORT

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Test Report Declare

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Trade Mark	:	N/A
Manufacturer	:	Shenzhen Moss Technology Co., Ltd.
Address	:	Room 498, F1, TCL International E-City, 1001 Sun Yat-sen Garden Road, Xili Street, Nanshan District, Shenzhen

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E.

Test procedure used: ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01

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 standards.

Report No:	DDT-R22051321-2E04		
Date of Receipt:	Jul. 26,2022	Date of Test:	Jul. 26,2022 ~ Aug. 30, 2022

Prepared By:

Sanvin Zheng

Sanvin Zheng /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	Oct. 19, 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)	Pass
Maximum Conducted Output Power	FCC 15.407 (a)	Pass
Power Spectral Density	FCC 15.407 (a)	Pass
Frequency Stability Measurement	FCC 15.407 (g)	Pass
Emissions in restricted frequency bands	FCC 15.407 (a) FCC 15.209 FCC 15.205	Pass
Band Edge Compliance	FCC 15.407 (a) FCC 15.209 FCC 15.205	Pass
Power Line Conducted Emission	FCC 15.207	Pass
Antenna requirement	FCC 15.203	Pass
Dynamic Frequency Selection	FCC 15.407 (h)	Pass

2. General test information

2.1. Description of EUT

EUT* Name	: OCR Multi-Player
Model Number	: T90ET, T90EZ
Model Difference	All model circuits share the same electrical, mechanical and physical structure, with the only difference is that T90ET has rear camera and OCR functions, while T90EZ does not. Therefore, the test model is T90ET.
EUT function description	: Please reference user manual of this device
Power Supply	: DC 3.8V powered by Li-Polymer Battery : DC 5V powered by external USB
Radio Technology	: IEEE 802.11a/n/ac
FCC 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, 5610MHz, 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: 7.2, 14.2, 21.7, 28.9, 43.3, 57.8, 65, 72.2 Mbps IEEE 802.11n HT40: 15, 30, 45, 60, 90, 120, 135, 150 Mbps IEEE 802.11ac HT20: 7.2, 14.2, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7Mbps IEEE 802.11ac HT40: 15, 30, 45, 60, 90, 120, 135, 150, 180, 200Mbps IEEE 802.11ac HT80: 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3Mbps
Antenna Gain	: FPC antenna, maximum PK gain: 2.95 dBi
Sample Number	: S22051321-04 for conductive : S22051321-05 for radiation

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

Note 2: According exploratory explorer test, The 802.11n HT20/n HT40 mode are the same attribute with the 802.11ac VHT20 / ac VHT40 mode, so choose the 802.11n HT20/n HT40 mode to test and report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
Power Supply	N/A	ICP12-050-200B	Input: 100-240V~50/60Hz 0.3A Output: DC 5.0V/2.0A 10.0W
Type-C cable	N/A	N/A	N/A

2.3. Assistant equipment used for test

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

2.4. Block diagram of EUT configuration for test

EUT

Test software: srcpy.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	16	6	Low: CH36	5180
	16	6	Middle: CH40	5200
	16	6	High: CH48	5240
	16	6	Low: CH52	5260
	16	6	Middle: CH56	5280
	16	6	High: CH64	5320
	16	6	Low: CH100	5500
	16	6	Middle: CH116	5580
	16	6	High: CH140	5700
	16	6	Low: CH149	5745
	16	6	Middle: CH157	5785
IEEE 802.11n HT20	16	6	High: CH165	5825
	16	MCS 0	Low: CH36	5180
	16	MCS 0	Middle: CH40	5200
	16	MCS 0	High: CH48	5240
	16	MCS 0	Low: CH52	5260
	16	MCS 0	Middle: CH56	5280
	16	MCS 0	High: CH64	5320
	16	MCS 0	Low: CH100	5500
	16	MCS 0	Middle: CH116	5580
	16	MCS 0	High: CH140	5700
	16	MCS 0	Low: CH149	5745

	16	MCS 0	Middle: CH157	5785
	16	MCS 0	High: CH165	5825
IEEE 802.11n HT40	16	MCS 0	Low: CH38	5190
	16	MCS 0	Middle: CH46	5230
	16	MCS 0	High: CH54	5270
	16	MCS 0	Low: CH62	5310
	16	MCS 0	Middle: CH102	5510
	16	MCS 0	High: CH110	5550
	16	MCS 0	Low: CH134	5670
	16	MCS 0	Middle: CH151	5755
	16	MCS 0	High: CH159	5795
	16	MCS 0	Low: CH36	5180
IEEE 802.11ac HT20	16	MCS 0	Middle: CH40	5200
	16	MCS 0	High: CH48	5240
	16	MCS 0	Low: CH52	5260
	16	MCS 0	Middle: CH56	5280
	16	MCS 0	High: CH64	5320
	16	MCS 0	Low: CH100	5500
	16	MCS 0	Middle: CH116	5580
	16	MCS 0	High: CH140	5700
	16	MCS 0	Low: CH149	5745
	16	MCS 0	Middle: CH157	5785
IEEE 802.11ac HT40	16	MCS 0	High: CH165	5825
	16	MCS 0	Low: CH38	5190
	16	MCS 0	Middle: CH46	5230
	16	MCS 0	High: CH54	5270
	16	MCS 0	Low: CH62	5310
	16	MCS 0	Middle: CH102	5510
	16	MCS 0	High: CH110	5550
	16	MCS 0	Low: CH134	5670
	16	MCS 0	Middle: CH151	5755
	16	MCS 0	High: CH159	5795
IEEE 802.11ac HT80	16	MCS 0	CH42	5210
	16	MCS 0	CH58	5290
	16	MCS 0	CH106	5530
	16	MCS 0	CH122	5610
	16	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.

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, R-20155, G-20118

2.8. Measurement uncertainty

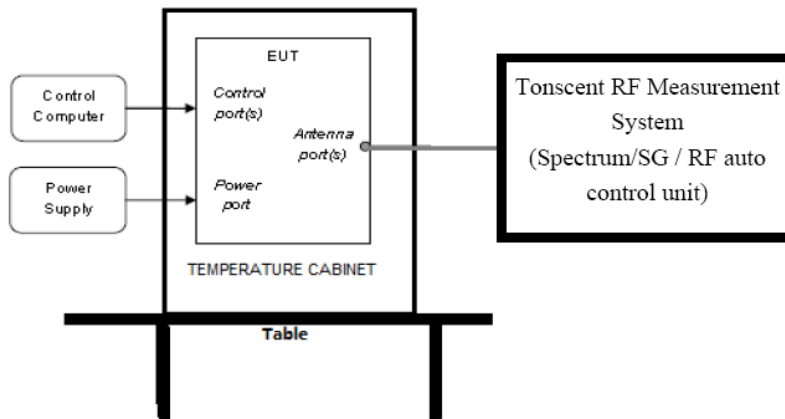
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method) 5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$); 1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW<20kHz)	3×10^{-8}
Temperature	0.4°C
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#)					
Spectrum analyzer	R&S	FSV3044	101173	Apr. 13, 2022	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	May 18, 2022	1 Year
Vector Signal Generator	Agilent	N5182A	MY19060405	May 18, 2022	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	May 18, 2022	1 Year
RF Control Unit	Tonsend	JS0806-2	DDT-ZC01449	May 18, 2022	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	May 26, 2022	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	May 18, 2022	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	May 18, 2022	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2021	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9161	4034	Sep. 19, 2021	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA 9120D	02468	Nov. 29, 2021	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	May 06, 2022	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Sep. 02, 2021	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	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		
Test Item	Limit	Frequency Range (MHz)
Bandwidth	26 dB Bandwidth	5150-5250
	26 dB Bandwidth	5250-5350
	26 dB Bandwidth	5470-5725
	Minimum 500kHz 6dB 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	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	16.690	5171.6317	5188.3215	---	Pass
		5200	16.661	5191.6574	5208.3179	---	Pass
		5240	16.687	5231.6379	5248.3251	---	Pass
		5260	16.690	5251.6315	5268.3214	---	Pass
		5280	16.669	5271.6564	5288.3253	---	Pass
		5320	16.693	5311.6645	5328.3572	---	Pass
		5500	16.682	5491.6653	5508.3469	---	Pass
		5580	16.697	5571.6603	5588.3573	---	Pass
		5700	16.695	5691.6643	5708.3598	---	Pass
		5745	16.679	5736.6654	5753.3446	---	Pass
		5785	16.667	5776.6954	5793.3626	---	Pass
		5825	16.702	5816.6163	5833.3185	---	Pass
11N20SISO	Ant1	5180	17.770	5171.1064	5188.8761	---	Pass
		5200	17.772	5191.0888	5208.8609	---	Pass
		5240	17.748	5231.1028	5248.8507	---	Pass
		5260	17.788	5251.0829	5268.8707	---	Pass
		5280	17.797	5271.0833	5288.8803	---	Pass
		5320	17.780	5311.1193	5328.8993	---	Pass
		5500	17.808	5491.1210	5508.9293	---	Pass
		5580	17.805	5571.1197	5588.9248	---	Pass
		5700	17.807	5691.1092	5708.9167	---	Pass
		5745	17.796	5736.1106	5753.9061	---	Pass
		5785	17.806	5776.0982	5793.9041	---	Pass
		5825	17.775	5816.0976	5833.8731	---	Pass
11N40SISO	Ant1	5190	36.677	5171.6348	5208.3121	---	Pass
		5230	36.711	5211.7217	5248.4329	---	Pass
		5270	36.689	5251.7072	5288.3961	---	Pass
		5310	36.749	5291.6043	5328.3532	---	Pass
		5510	36.822	5491.5691	5528.3914	---	Pass
		5550	36.754	5531.5854	5568.3398	---	Pass
		5670	36.830	5651.5799	5688.4096	---	Pass
		5755	36.698	5736.5671	5773.2652	---	Pass
		5795	36.803	5776.5512	5813.3542	---	Pass
11AC80SISO	Ant1	5210	75.220	5172.4509	5247.6713	---	Pass
		5290	75.105	5252.4795	5327.5847	---	Pass
		5530	75.250	5492.3640	5567.6138	---	Pass
		5610	75.360	5572.3121	5647.6718	---	Pass
		5775	75.287	5737.2846	5812.5719	---	Pass

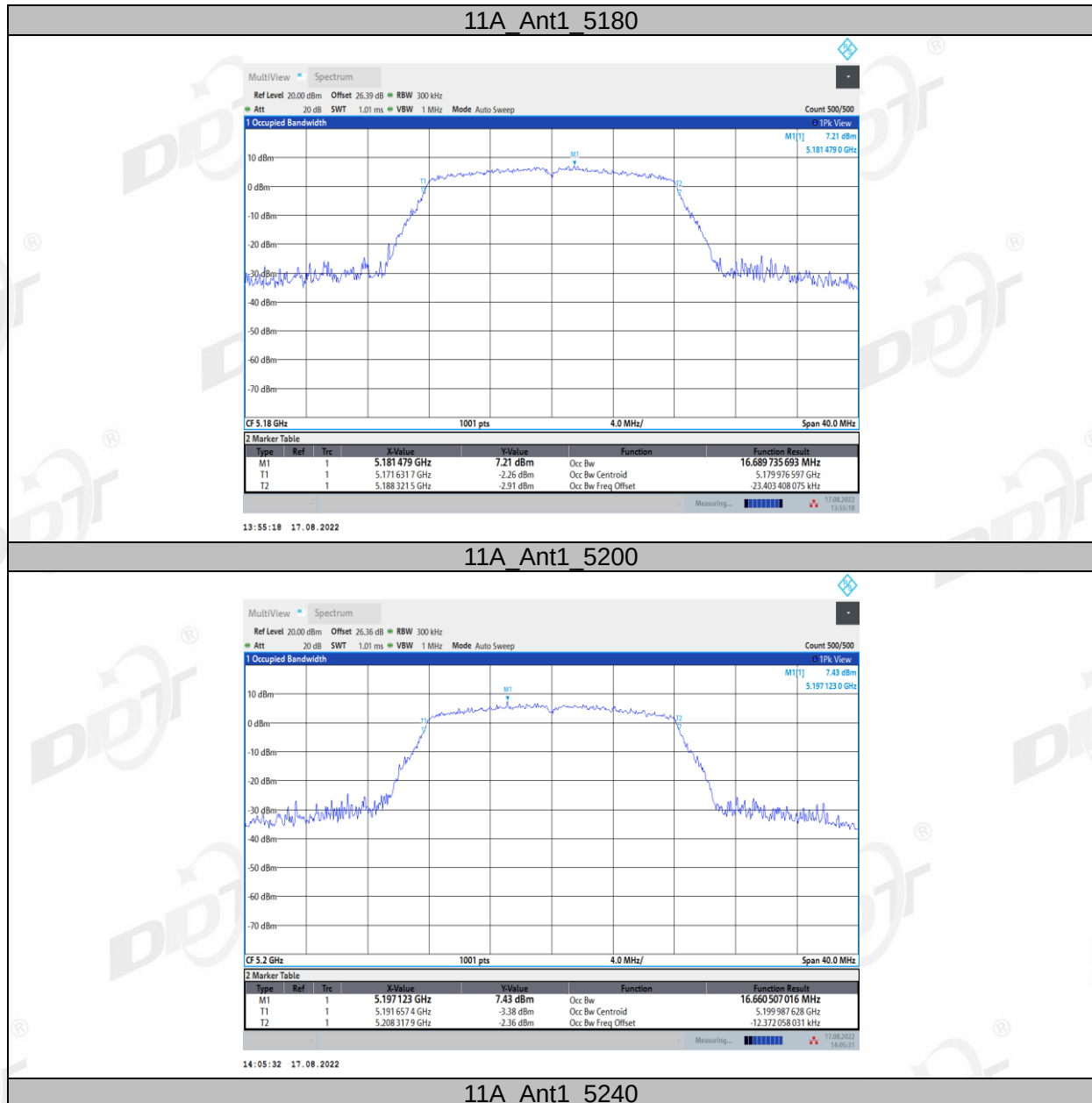
Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	19.92	5170.04	5189.96	---	Pass
		5200	19.92	5190.00	5209.92	---	Pass
		5240	19.96	5230.08	5250.04	---	Pass
		5260	20.04	5249.92	5269.96	---	Pass
		5280	19.96	5270.00	5289.96	---	Pass
		5320	19.92	5310.12	5330.04	---	Pass

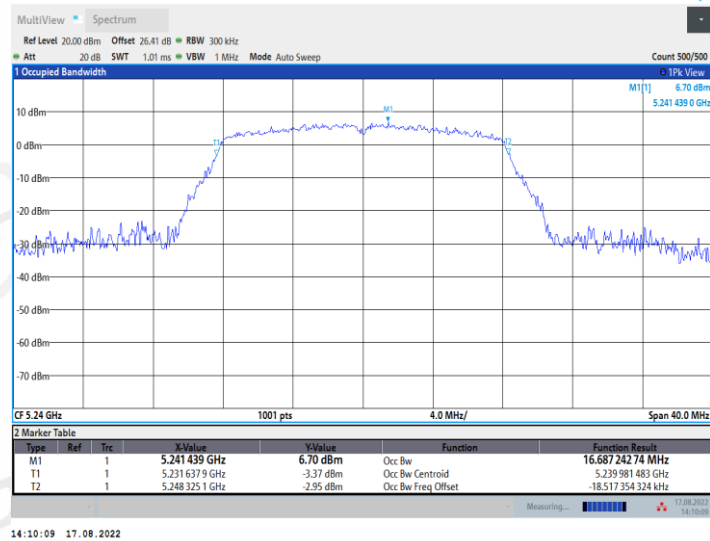
		5500	20.12	5489.96	5510.08	---	Pass
		5580	19.88	5570.04	5589.92	---	Pass
		5700	19.92	5690.08	5710.00	---	Pass
		5745	19.84	5735.04	5754.88	---	Pass
		5785	19.96	5775.04	5795.00	---	Pass
		5825	20.00	5815.08	5835.08	---	Pass
11N20SISO	Ant1	5180	20.28	5169.84	5190.12	---	Pass
		5200	20.28	5189.80	5210.08	---	Pass
		5240	20.24	5229.84	5250.08	---	Pass
		5260	20.40	5249.80	5270.20	---	Pass
		5280	20.20	5269.88	5290.08	---	Pass
		5320	20.24	5309.84	5330.08	---	Pass
		5500	20.28	5489.96	5510.24	---	Pass
		5580	20.32	5569.88	5590.20	---	Pass
		5700	20.24	5689.92	5710.16	---	Pass
		5745	20.20	5734.88	5755.08	---	Pass
		5785	20.40	5774.84	5795.24	---	Pass
		5825	20.32	5814.84	5835.16	---	Pass
11N40SISO	Ant1	5190	41.36	5169.28	5210.64	---	Pass
		5230	40.88	5209.60	5250.48	---	Pass
		5270	41.04	5249.60	5290.64	---	Pass
		5310	41.04	5289.52	5330.56	---	Pass
		5510	41.04	5489.52	5530.56	---	Pass
		5550	40.88	5529.52	5570.40	---	Pass
		5670	40.96	5649.52	5690.48	---	Pass
		5755	41.20	5734.36	5775.56	---	Pass
		5795	40.96	5774.52	5815.48	---	Pass
11AC80SISO	Ant1	5210	81.44	5169.36	5250.80	---	Pass
		5290	81.44	5249.36	5330.80	---	Pass
		5530	81.28	5489.20	5570.48	---	Pass
		5610	81.60	5569.20	5650.80	---	Pass
		5775	81.60	5734.20	5815.80	---	Pass

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	15.12	5737.40	5752.52	0.5	PASS
		5785	15.16	5777.40	5792.56	0.5	PASS
		5825	15.16	5817.40	5832.56	0.5	PASS
11N20SISO	Ant1	5745	15.16	5737.40	5752.56	0.5	PASS
		5785	15.16	5777.40	5792.56	0.5	PASS
		5825	15.16	5817.40	5832.56	0.5	PASS
11N40SISO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
		5795	35.12	5777.48	5812.60	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

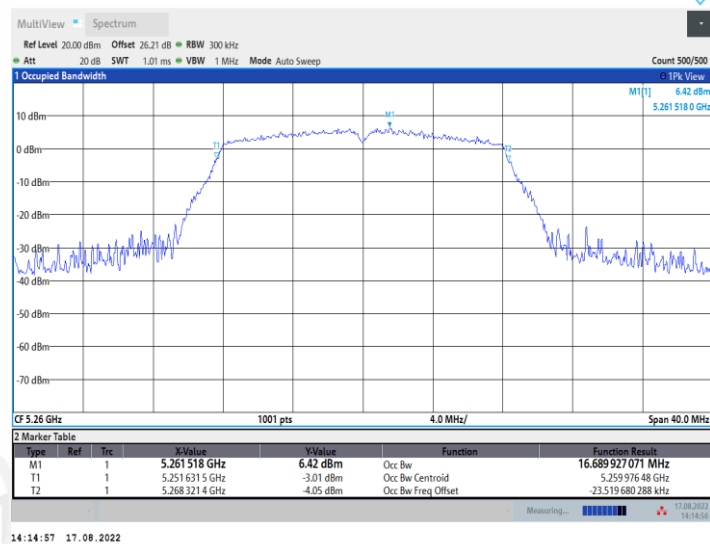
4.5. Original test data

99% OBW:

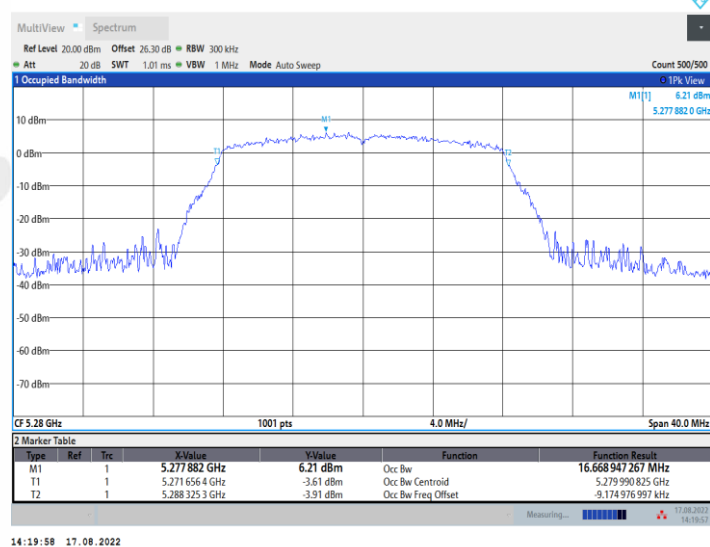




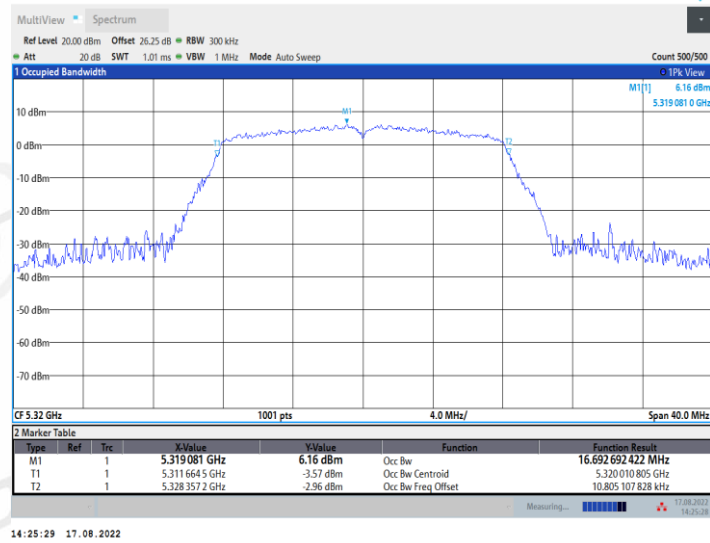
11A_Ant1_5260



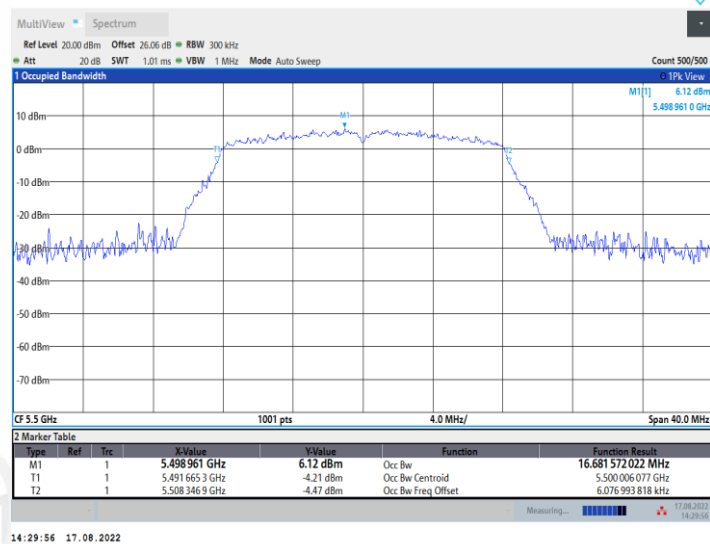
11A_Ant1_5280



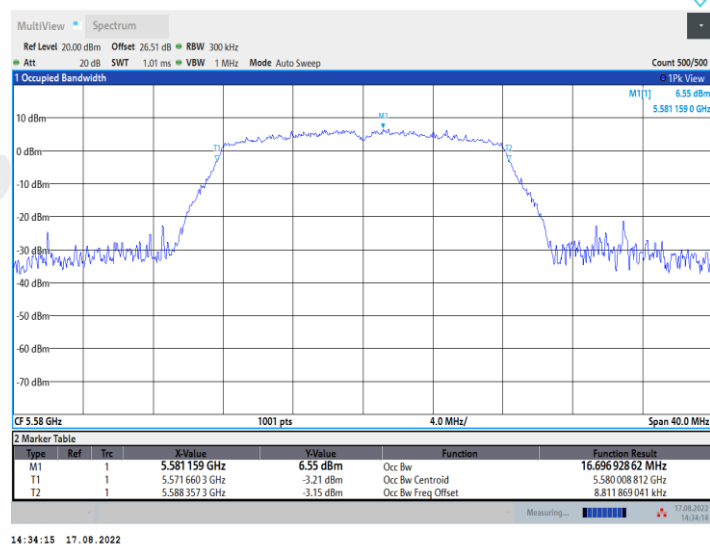
11A_Ant1_5320



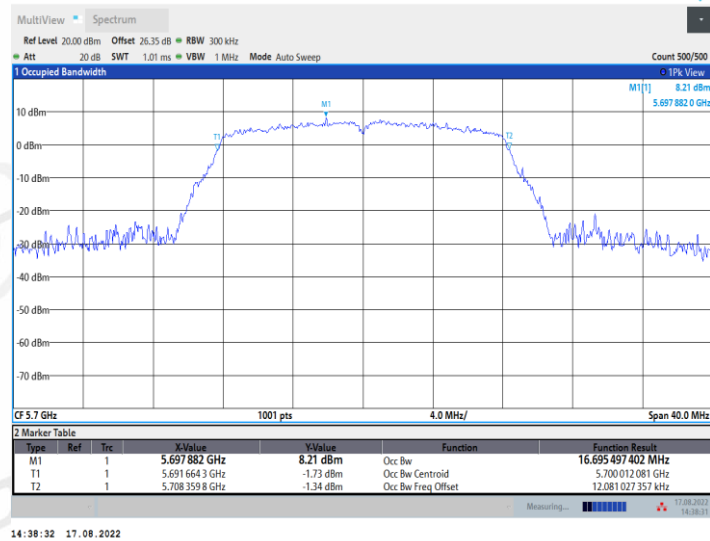
11A_Ant1_5500



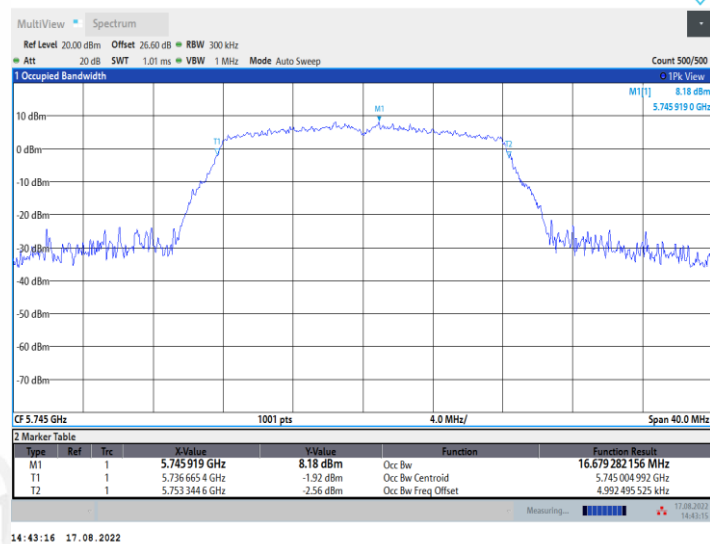
11A_Ant1_5580



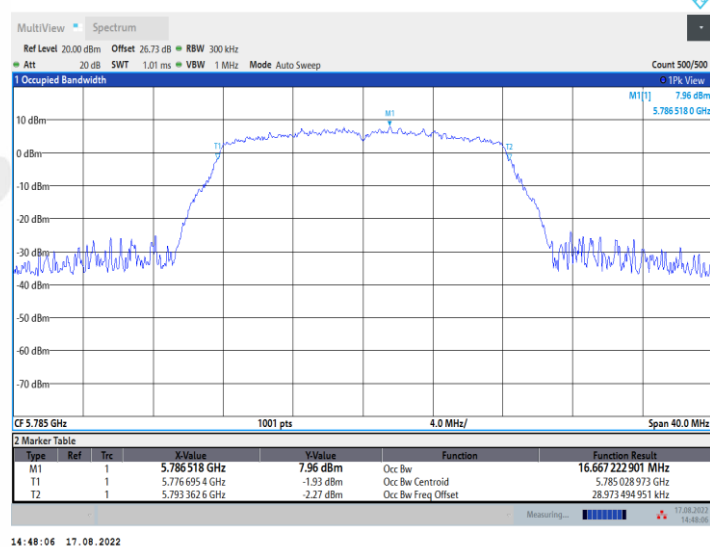
11A_Ant1_5700



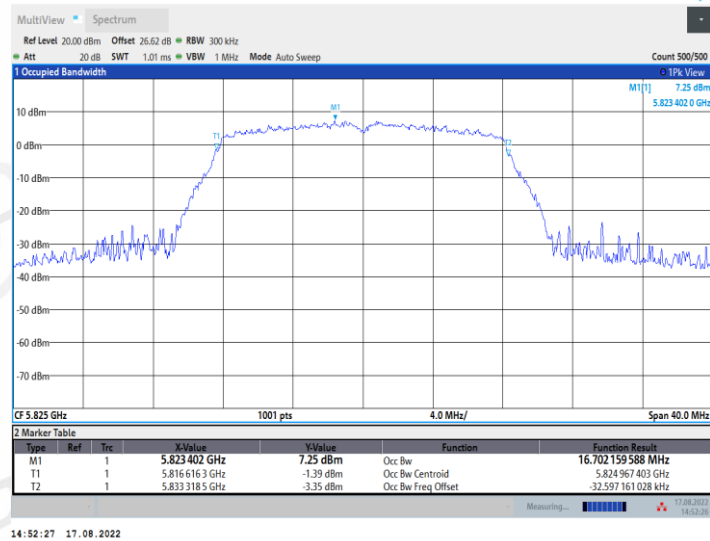
11A_Ant1_5745



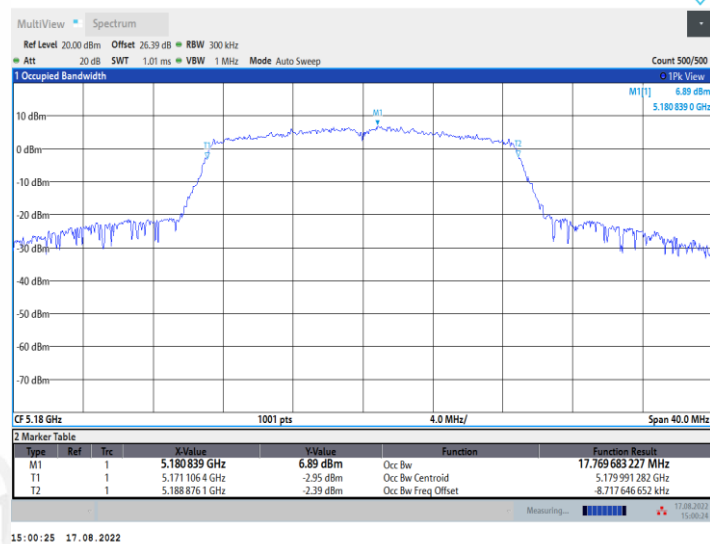
11A_Ant1_5785



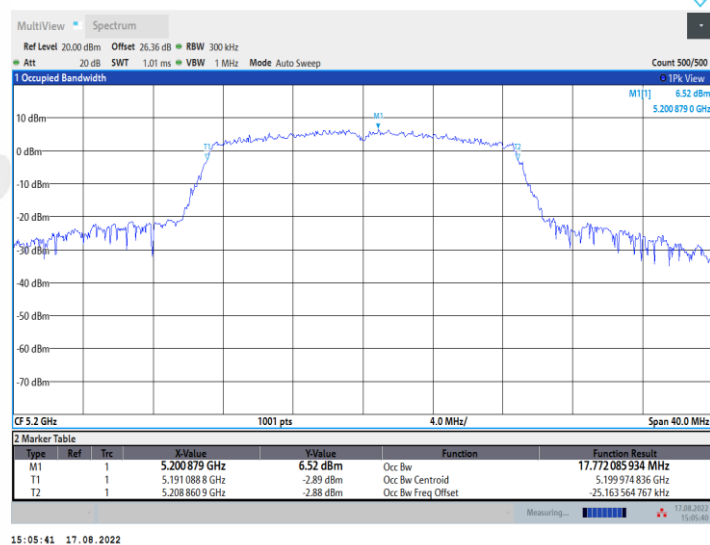
11A_Ant1_5825



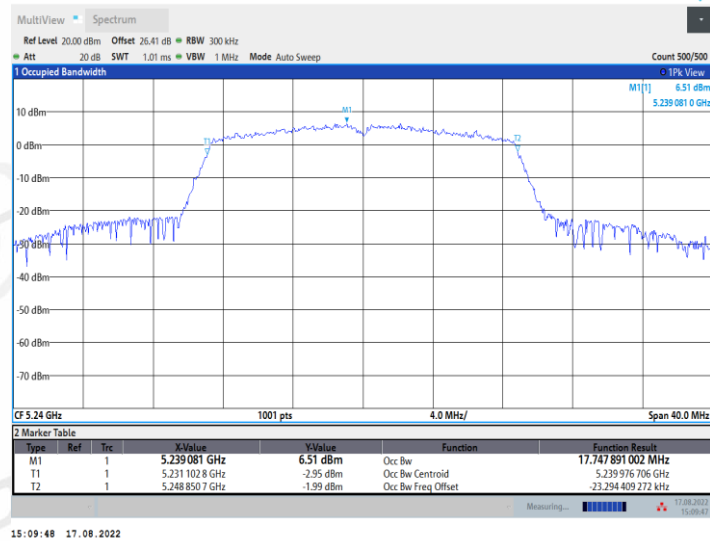
11N20SISO_Ant1_5180



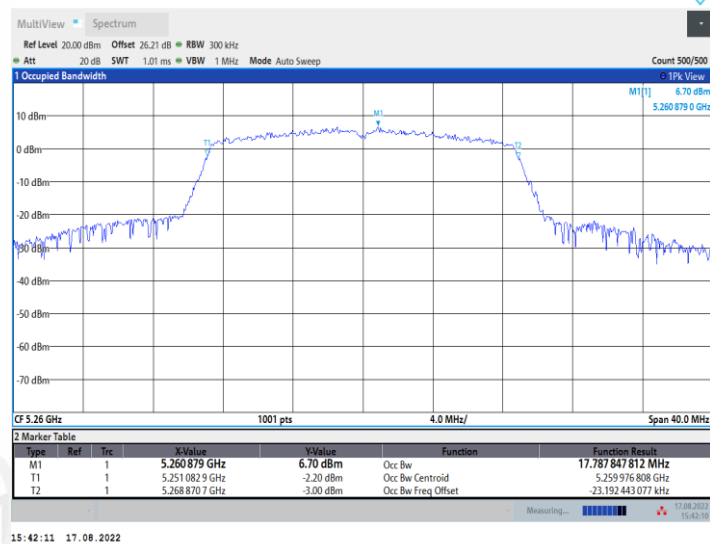
11N20SISO_Ant1_5200



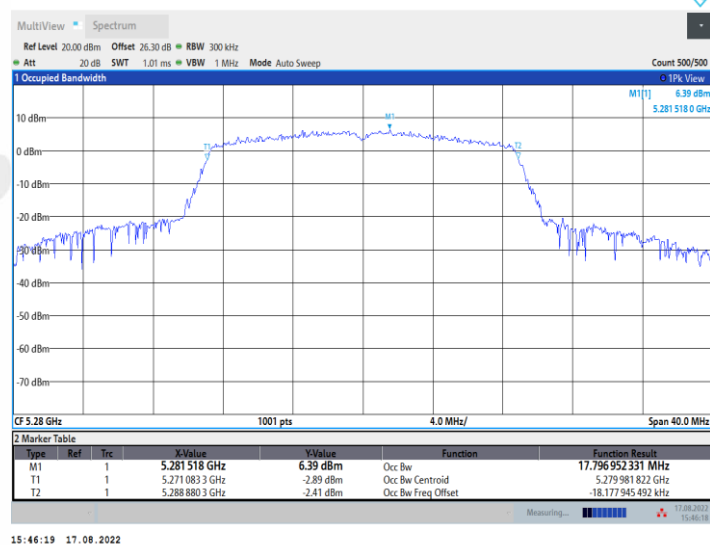
11N20SISO_Ant1_5240



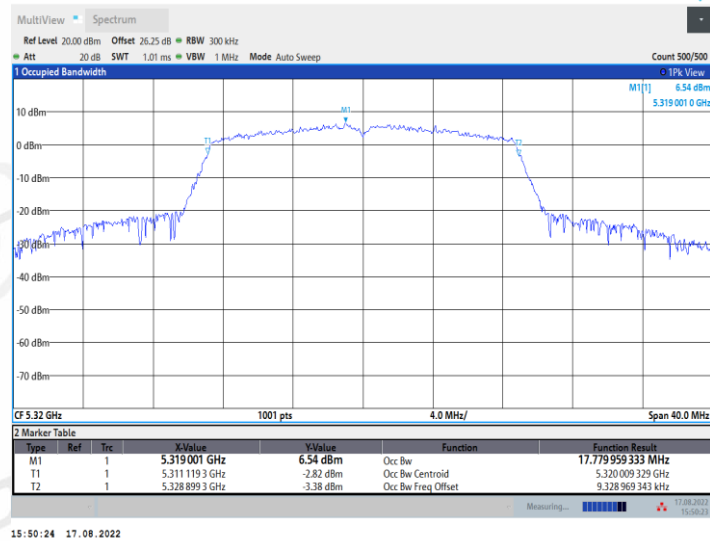
11N20SISO_Ant1_5260



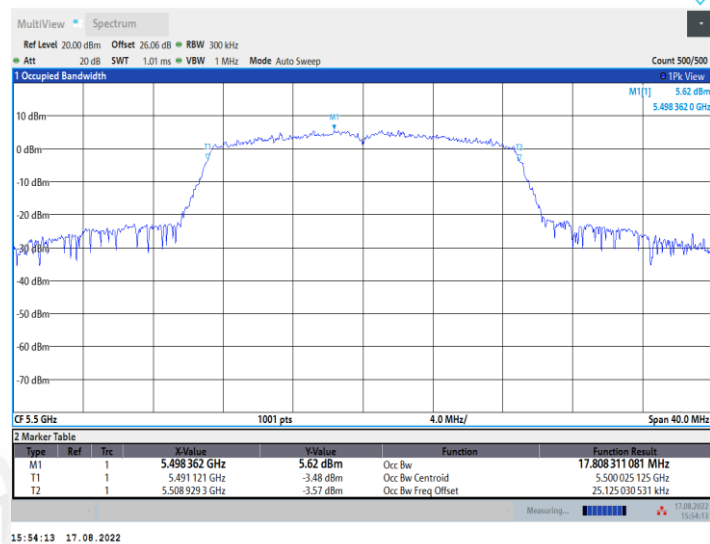
11N20SISO_Ant1_5280



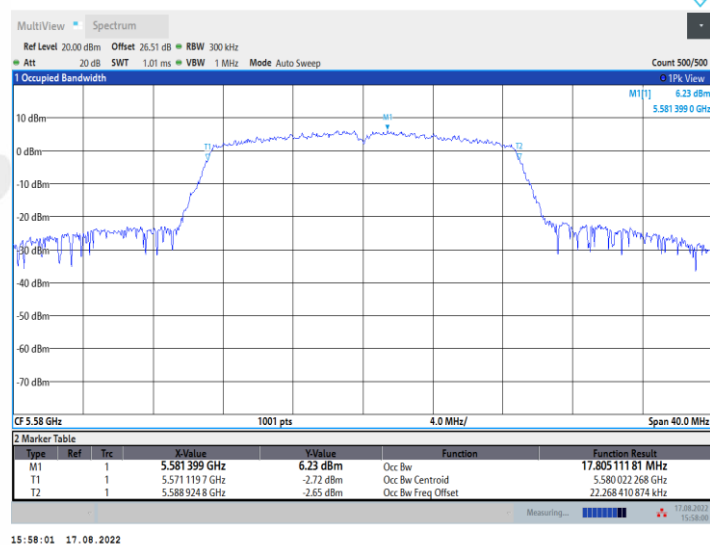
11N20SISO_Ant1_5320



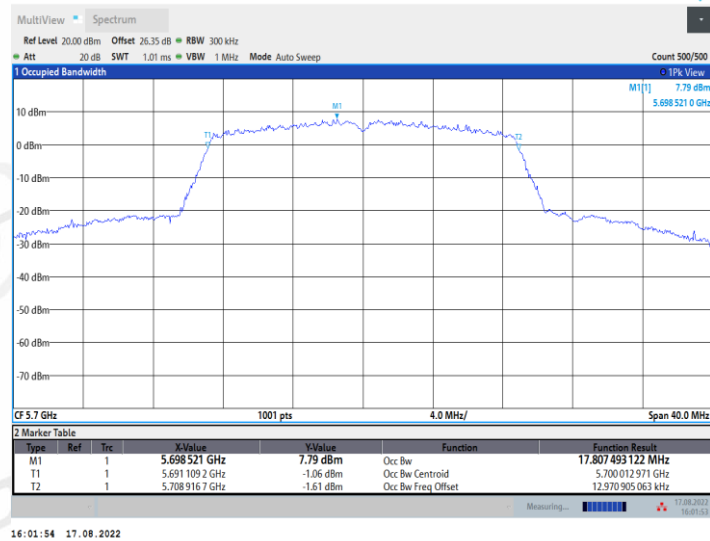
11N20SISO_Ant1_5500



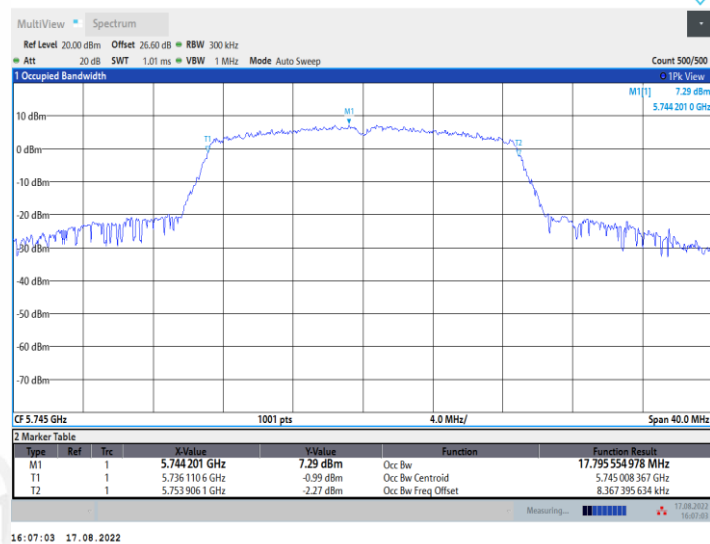
11N20SISO_Ant1_5580



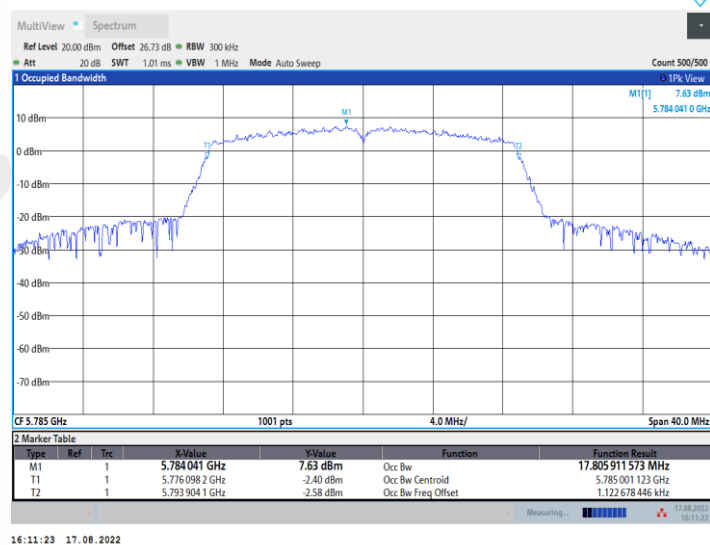
11N20SISO_Ant1_5700



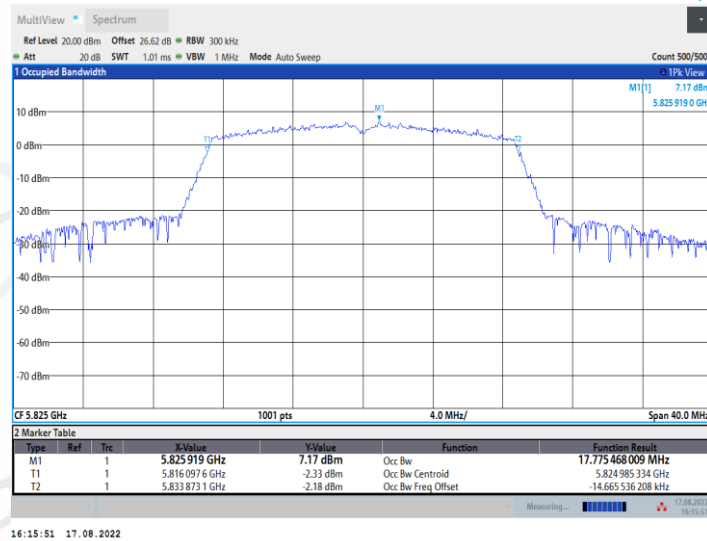
11N20SISO_Ant1_5745



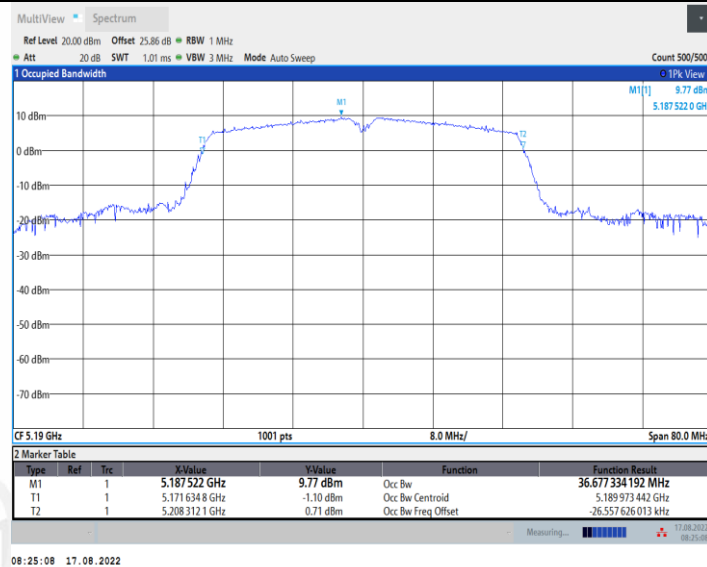
11N20SISO_Ant1_5785



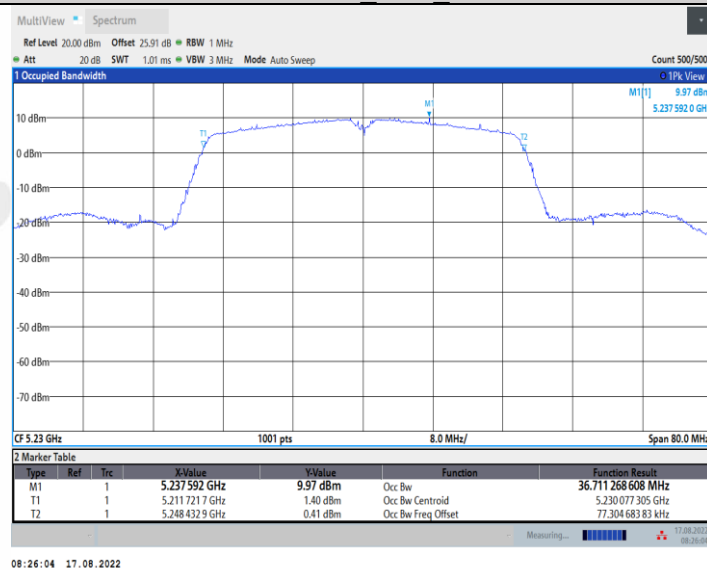
11N20SISO_Ant1_5825



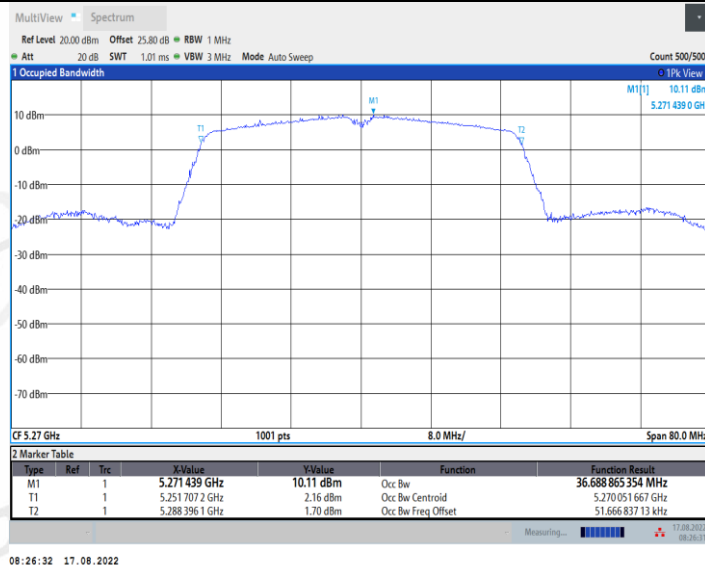
11N40SISO_Ant1_5190



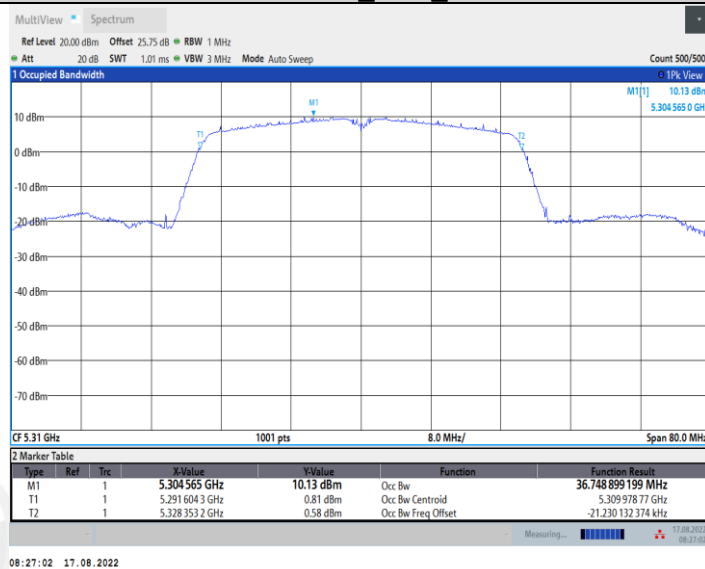
11N40SISO_Ant1_5230



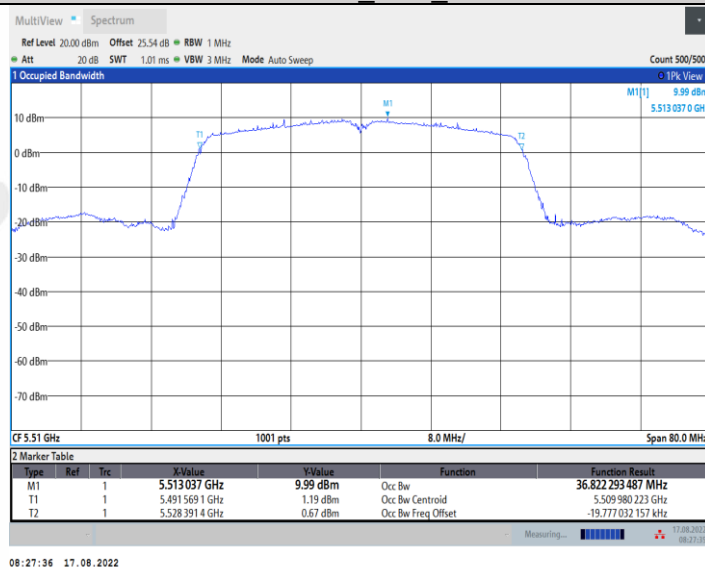
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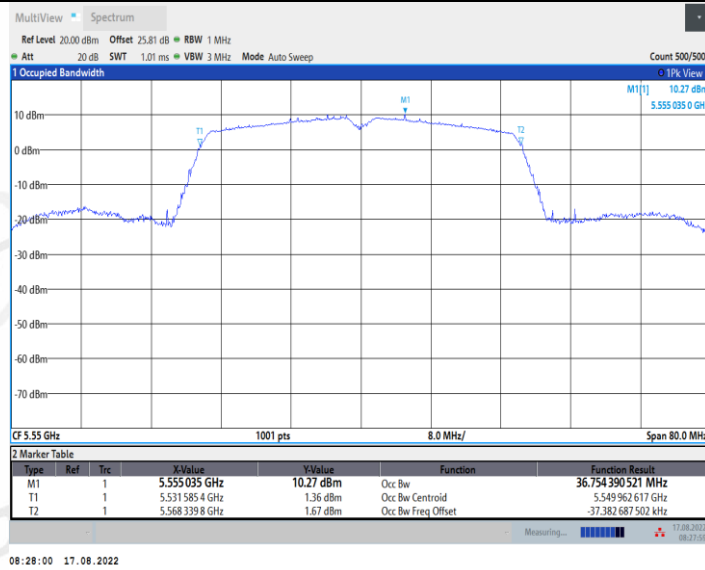
11N40SISO_Ant1_5310



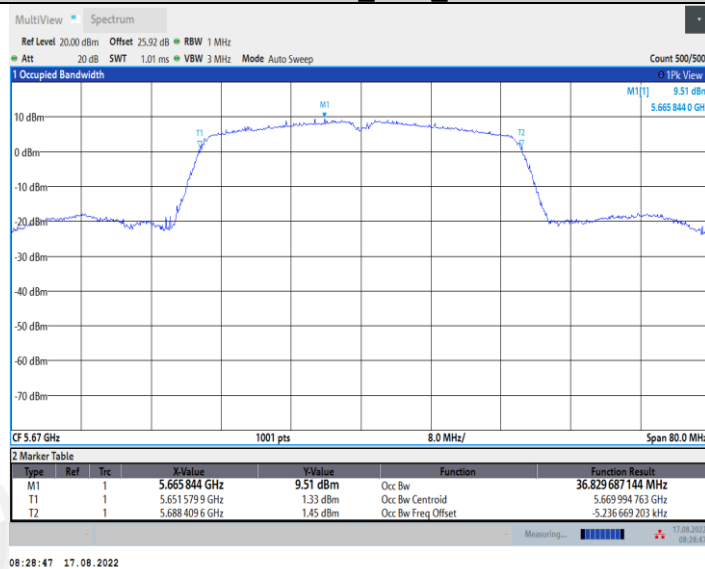
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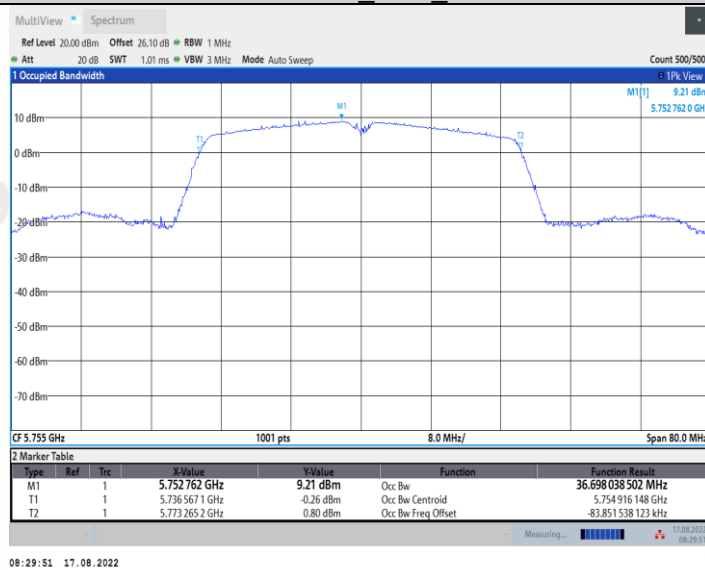
11N40SISO_Ant1_5550



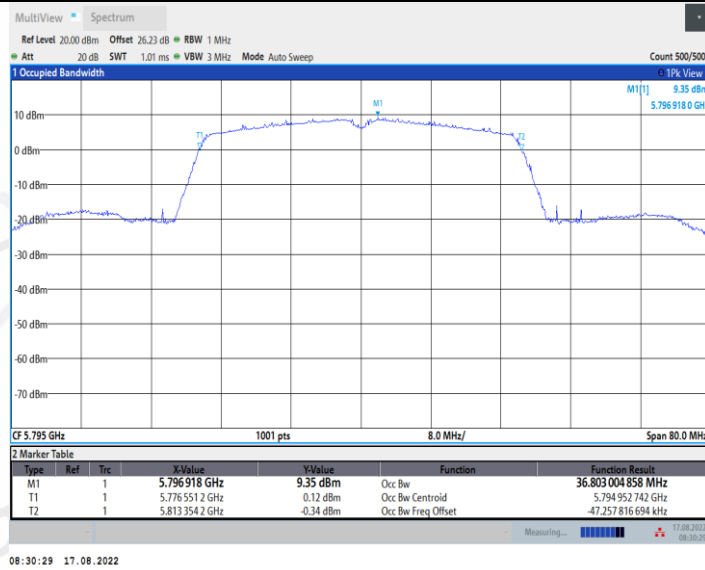
11N40SISO_Ant1_5670



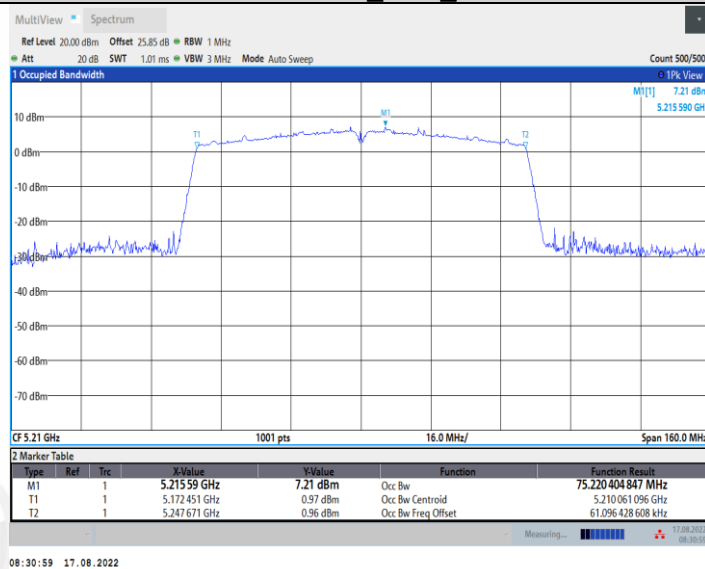
11N40SISO_Ant1_5755



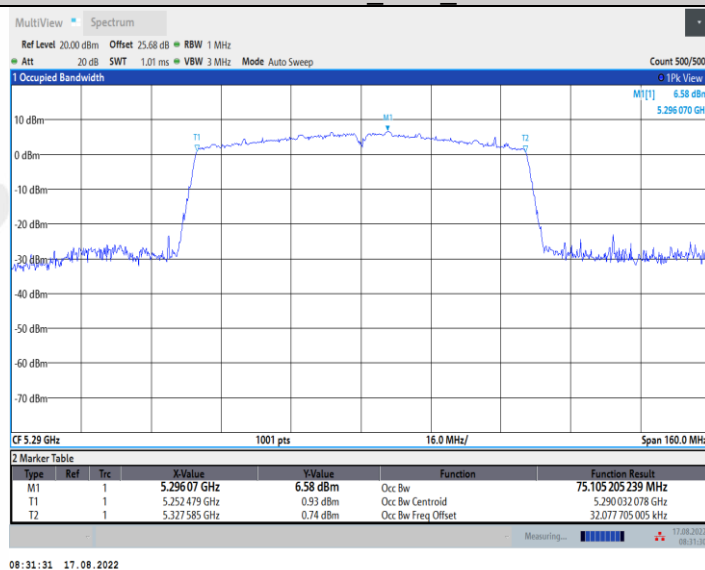
11N40SISO_Ant1_5795



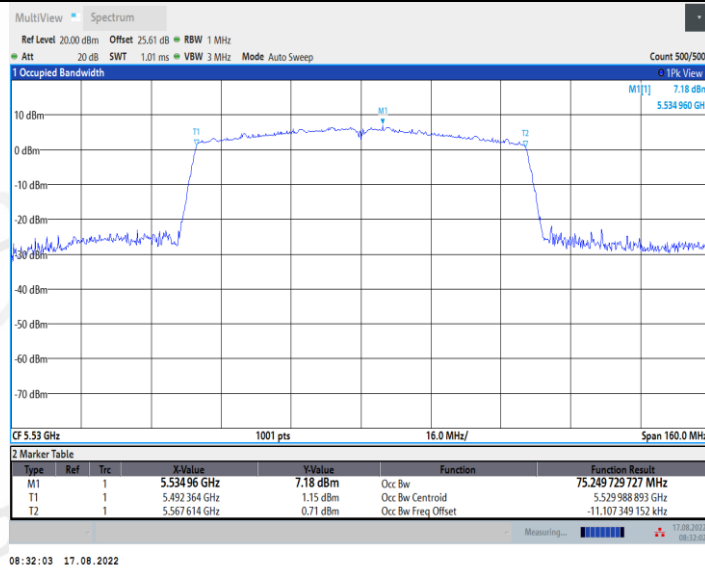
11AC80SISO_Ant1_5210



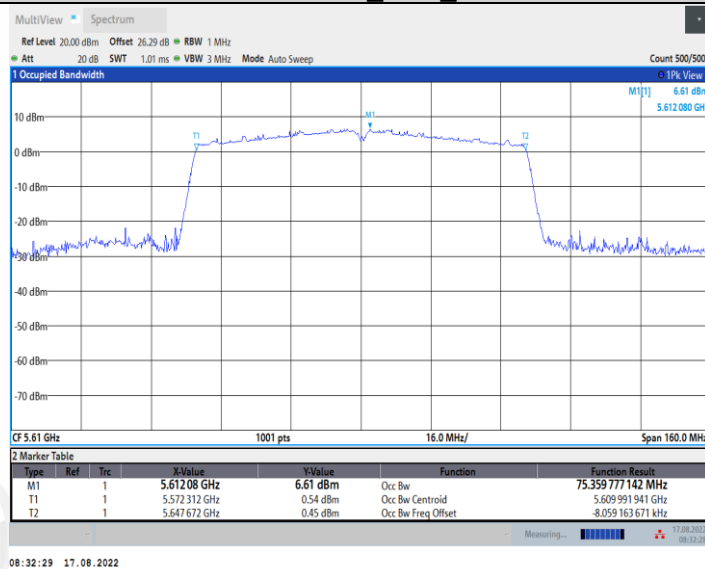
11AC80SISO_Ant1_5290



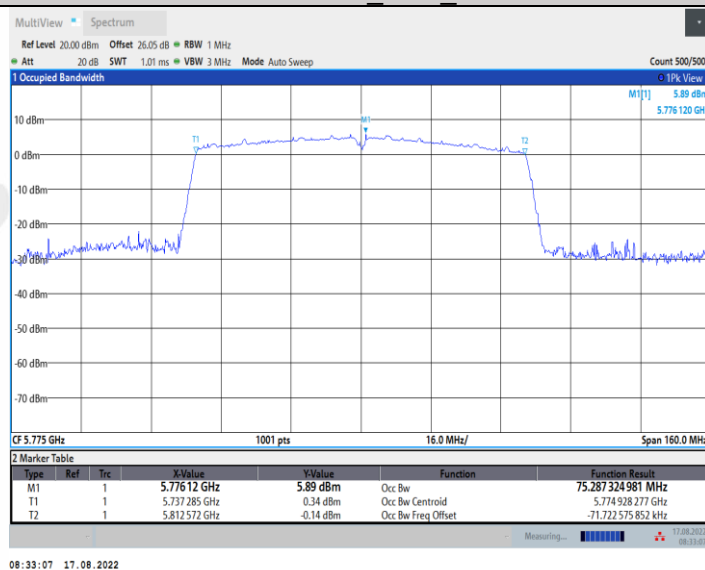
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

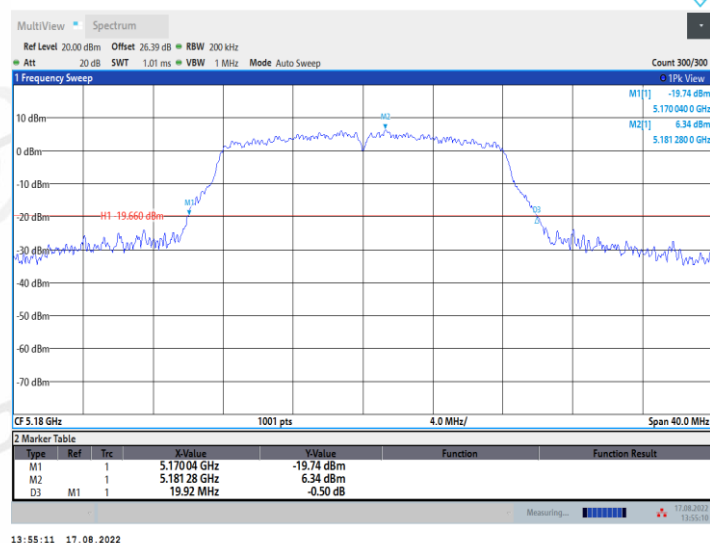


11AC80SISO_Ant1_5775

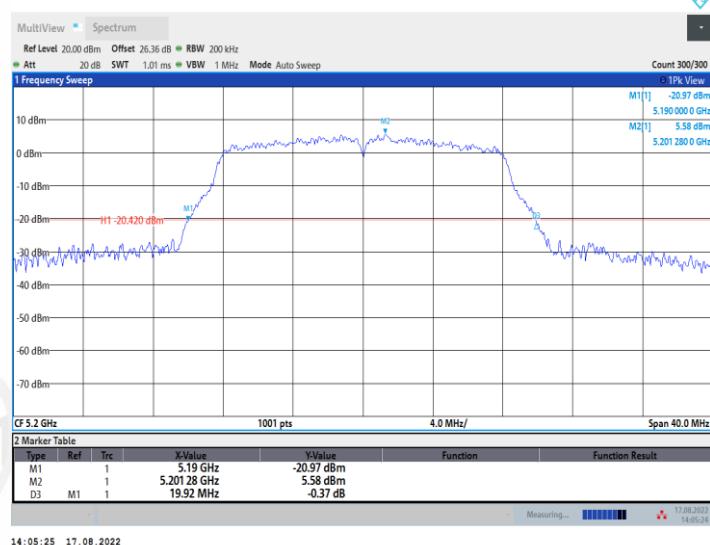


26db EBW:

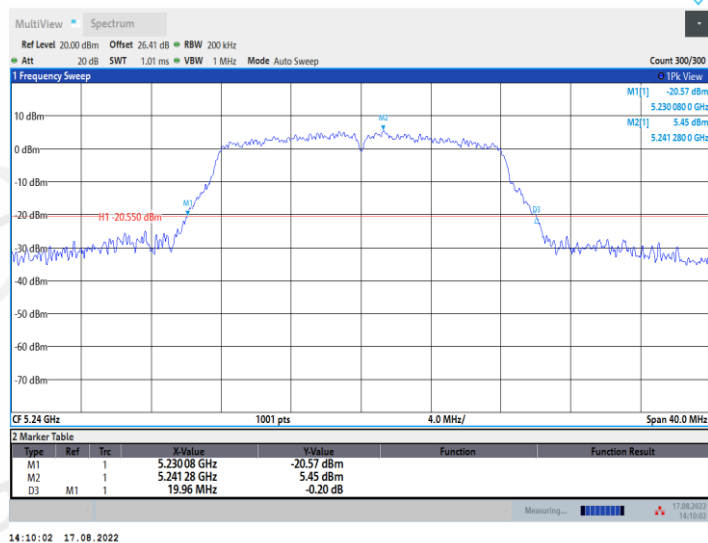
11A_Ant1_5180



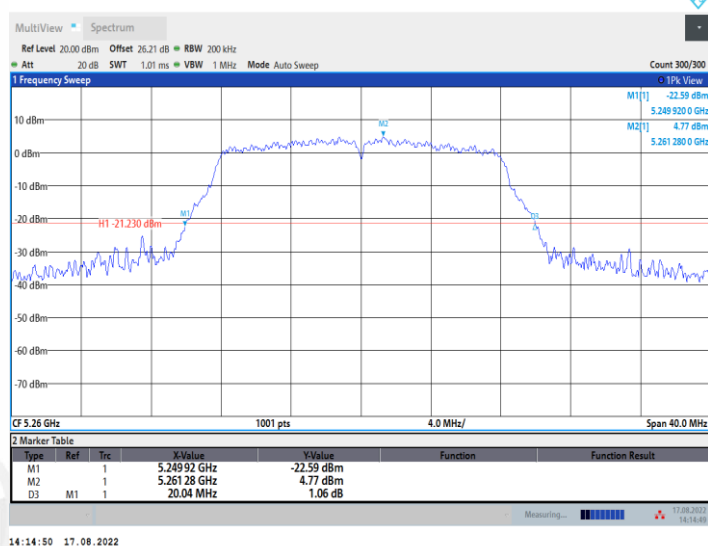
11A_Ant1_5200



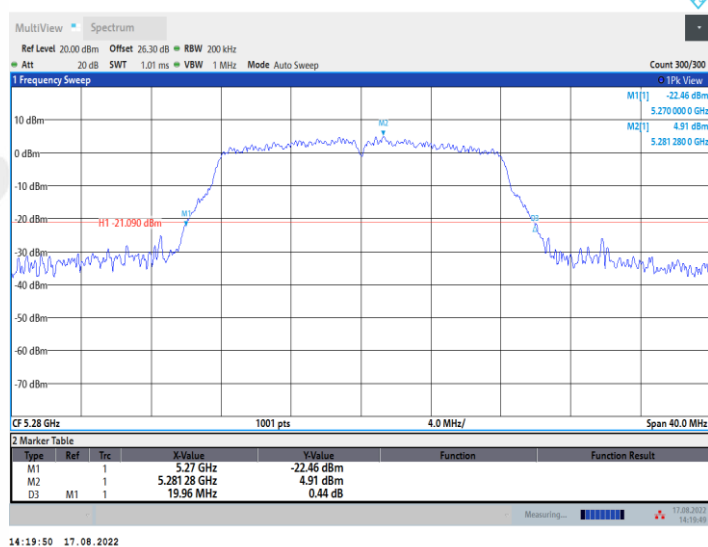
11A_Ant1_5240



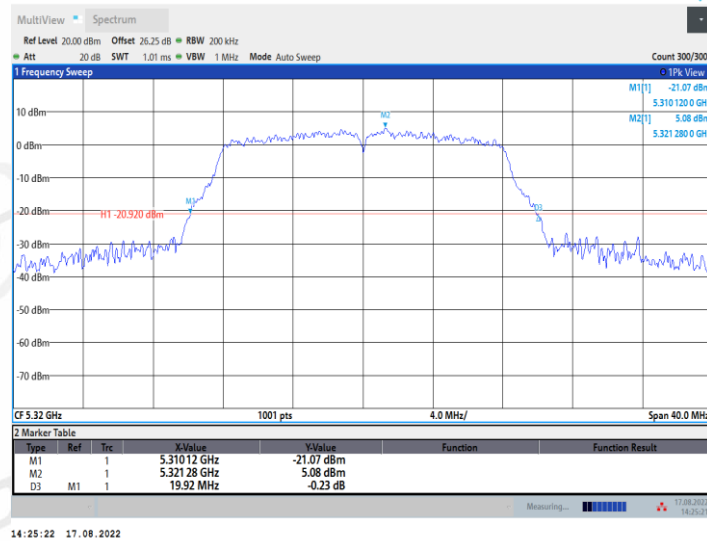
11A_Ant1_5260



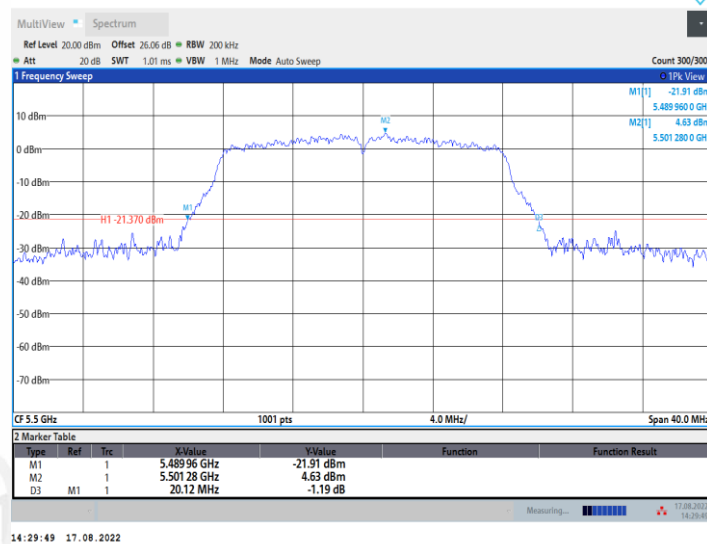
11A_Ant1_5280



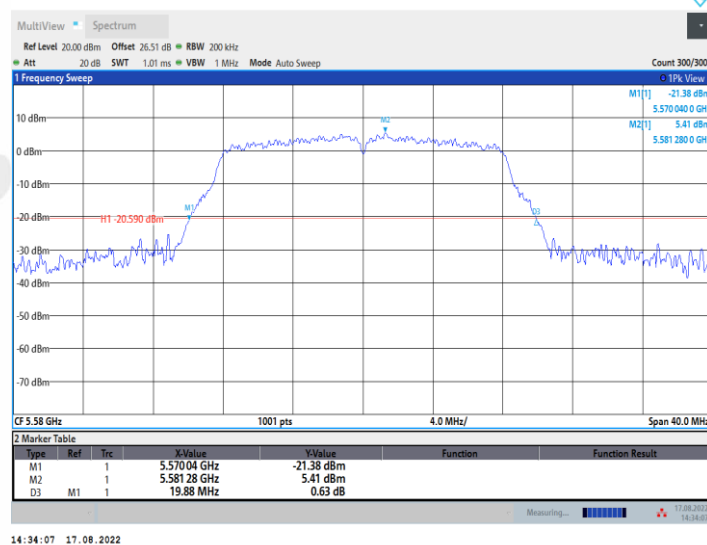
11A_Ant1_5320



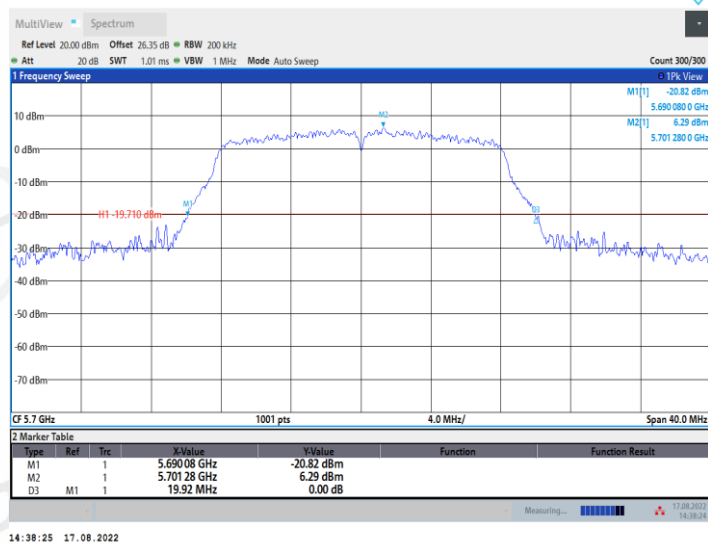
11A_Ant1_5500



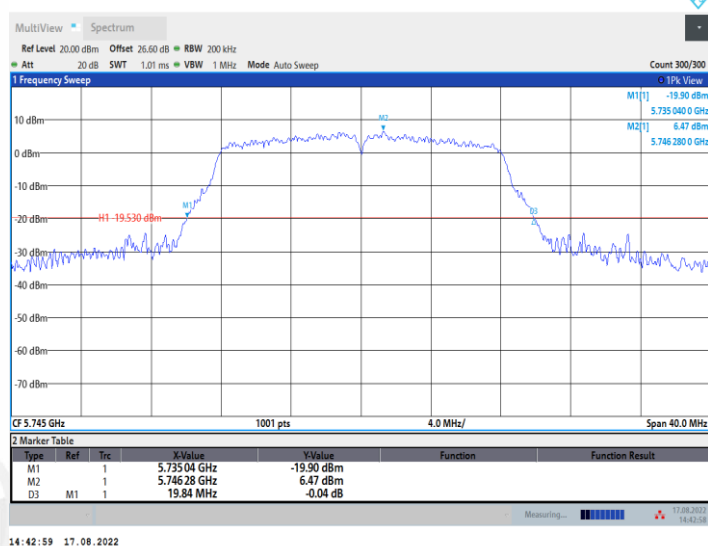
11A_Ant1_5580



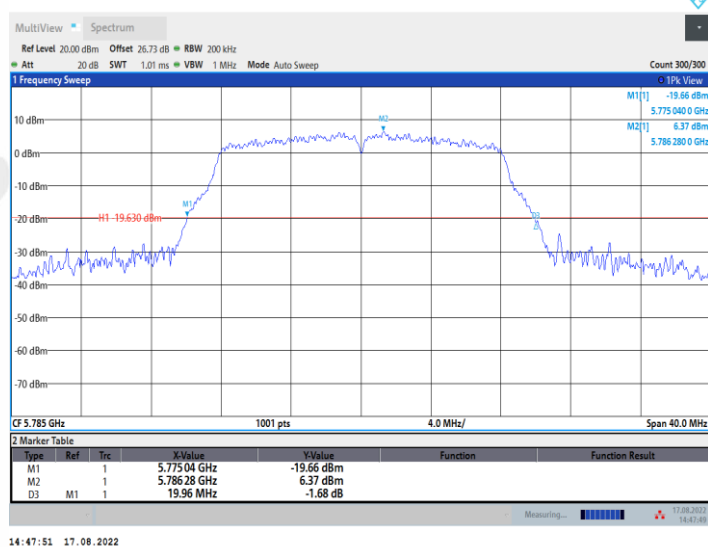
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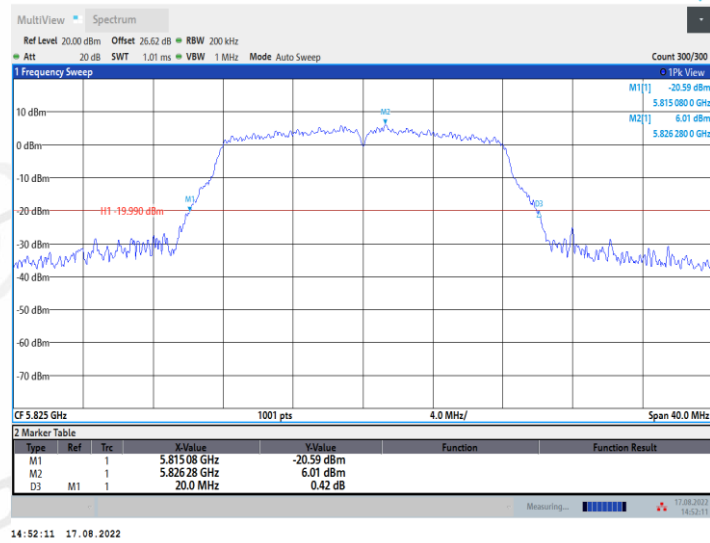
11A_Ant1_5745



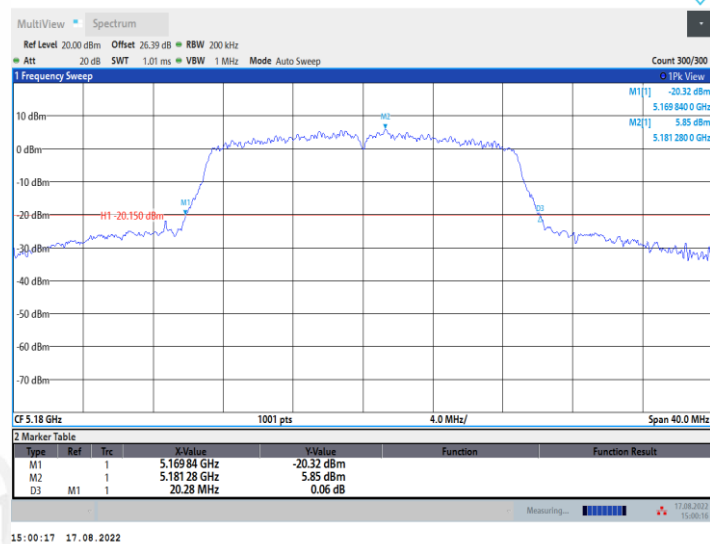
11A_Ant1_5785



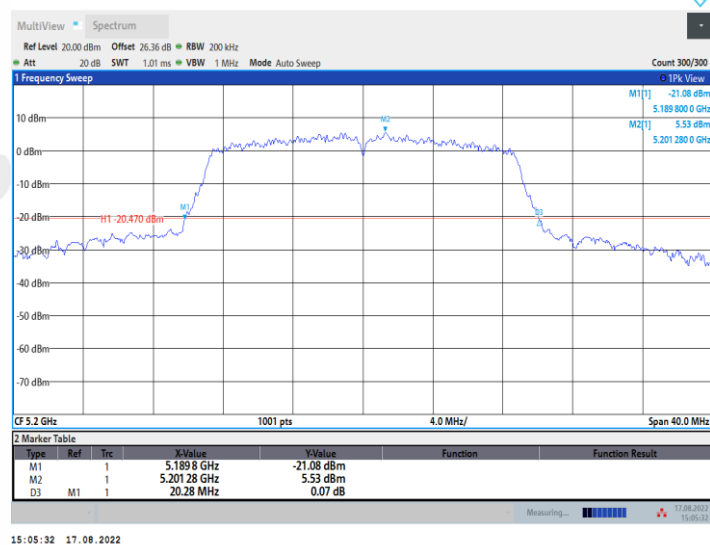
11A_Ant1_5825



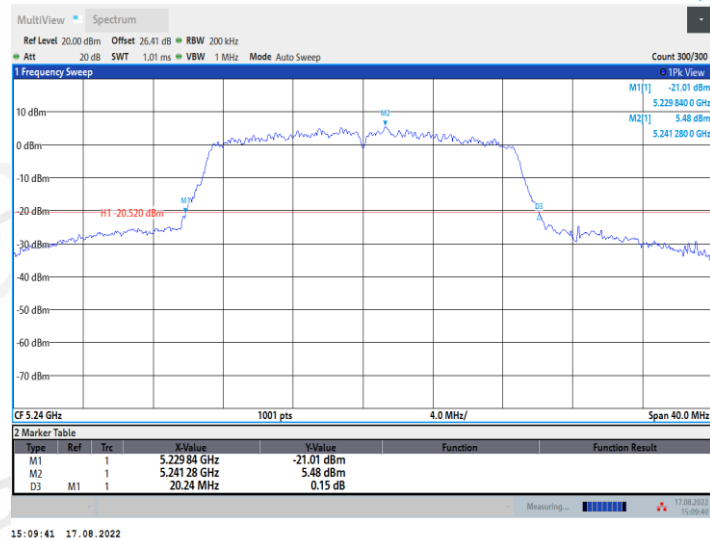
11N20SISO_Ant1_5180



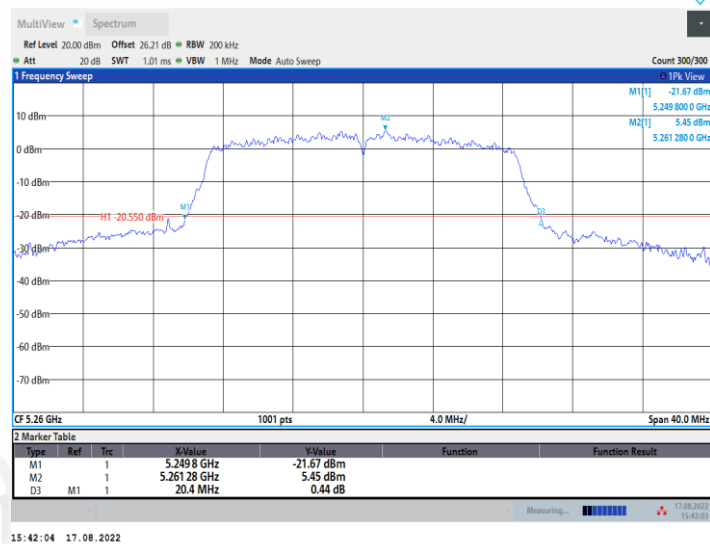
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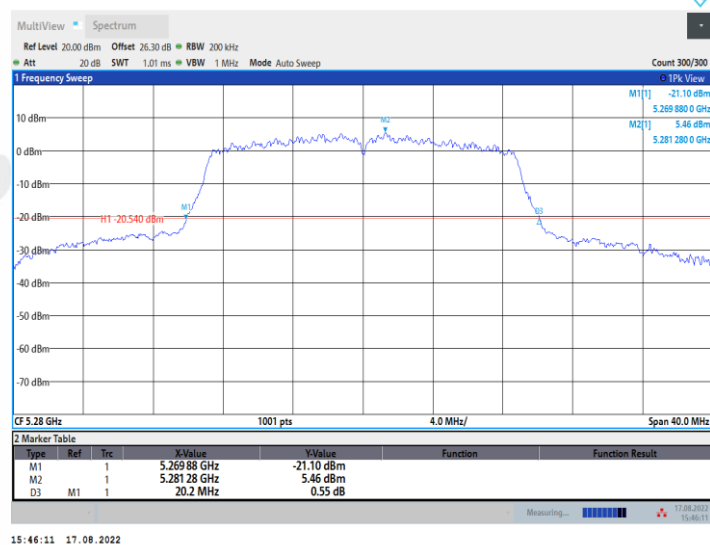
11N20SISO_Ant1_5240



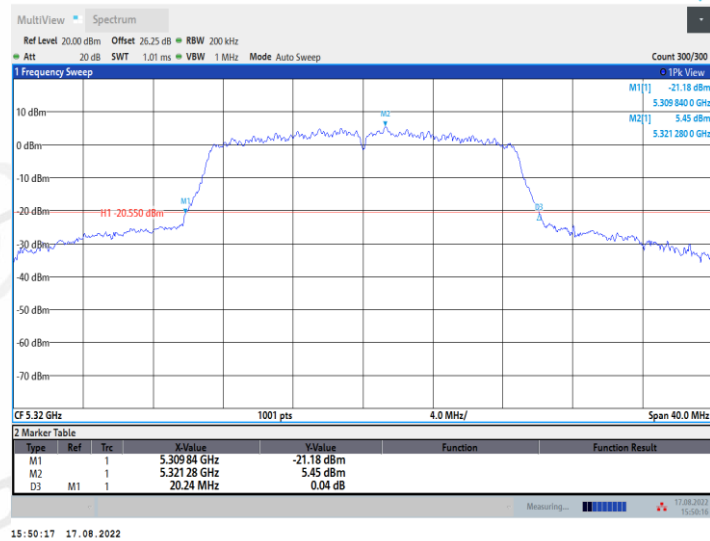
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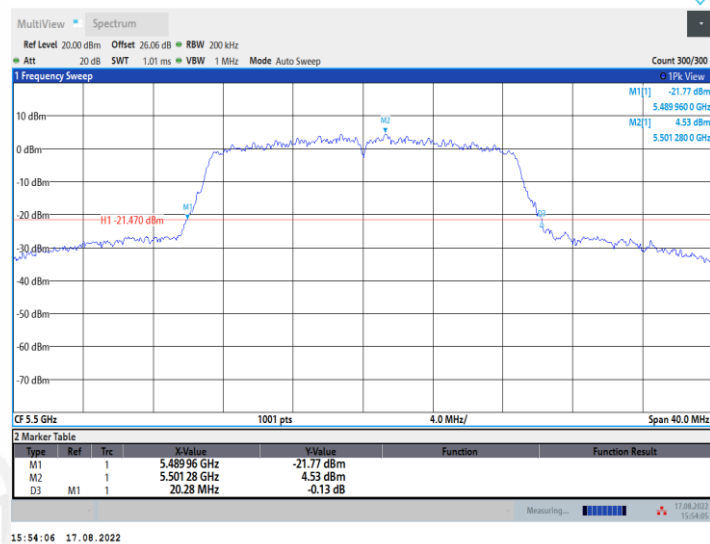
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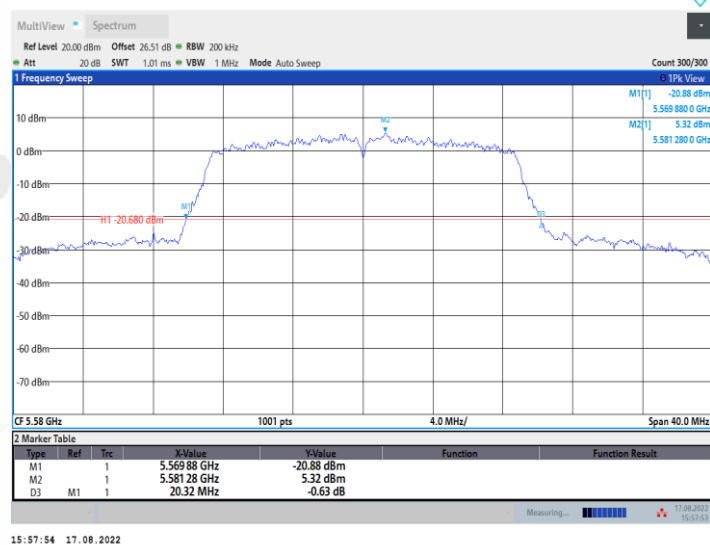
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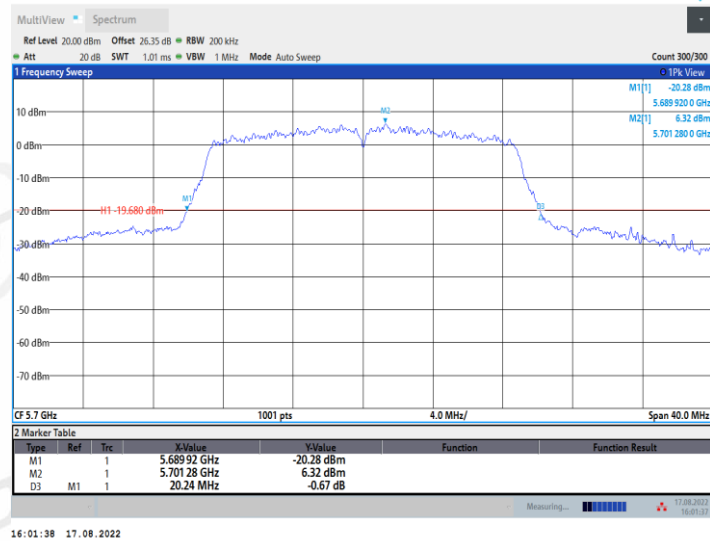
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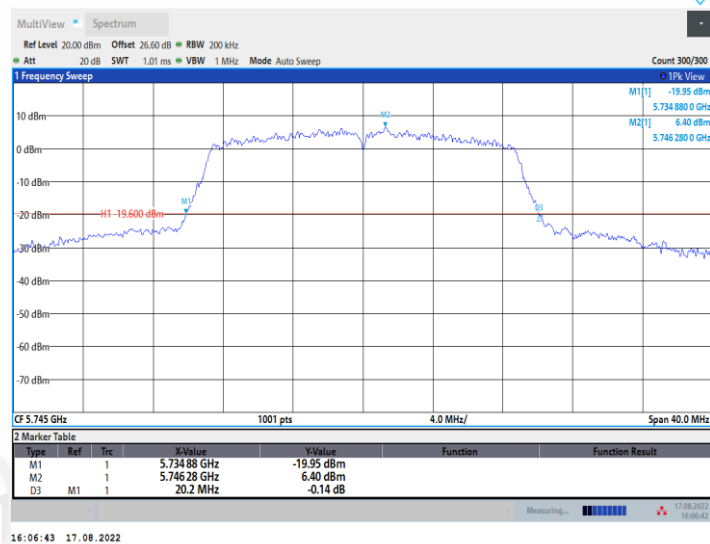
11N20SISO_Ant1_5580



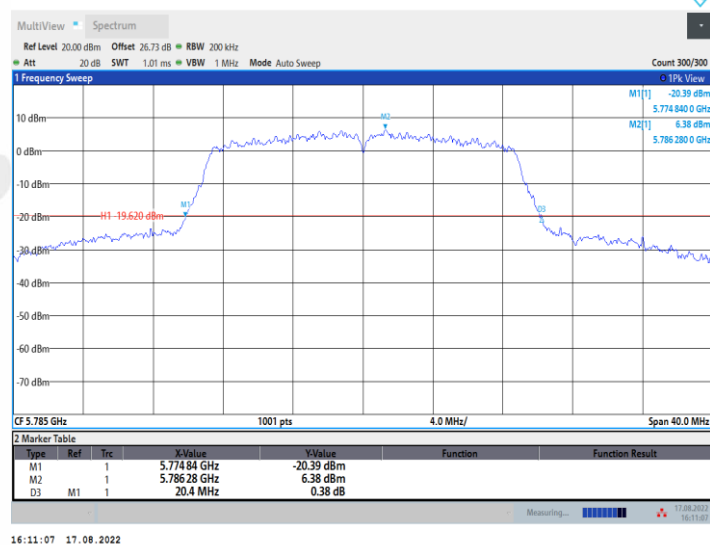
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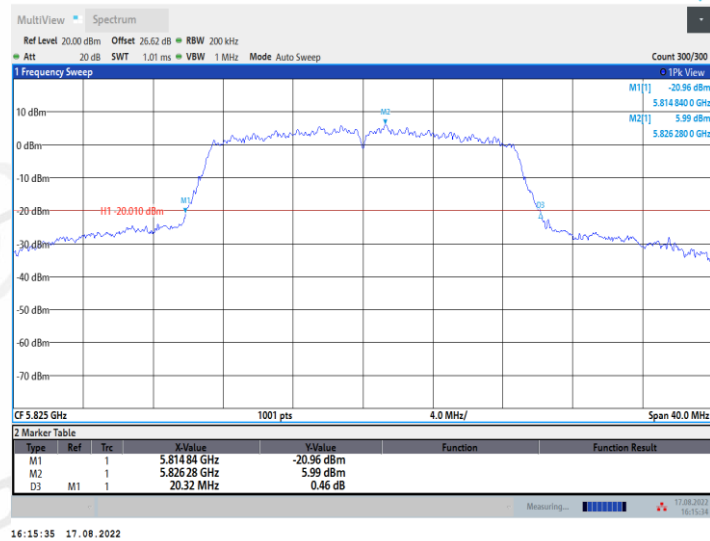
11N20SISO_Ant1_5745



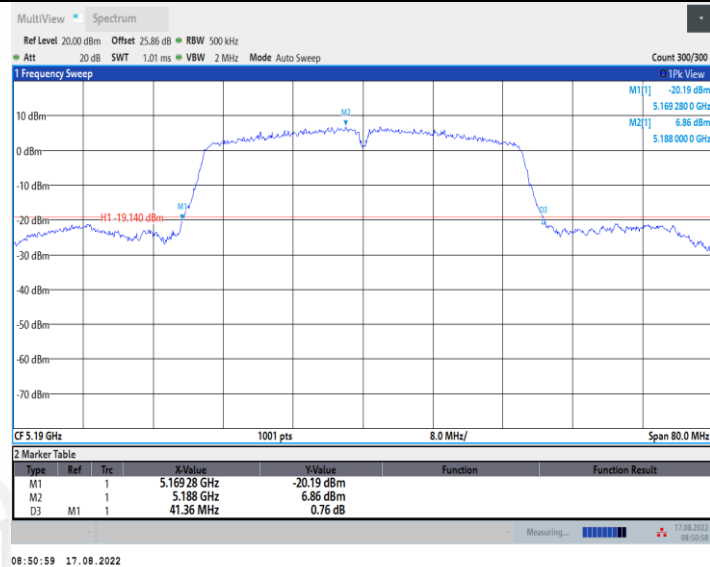
11N20SISO_Ant1_5785



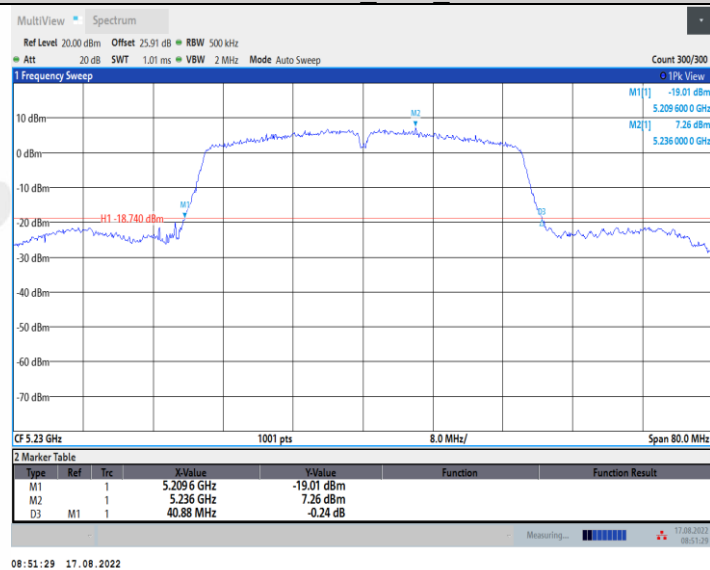
11N20SISO_Ant1_5825



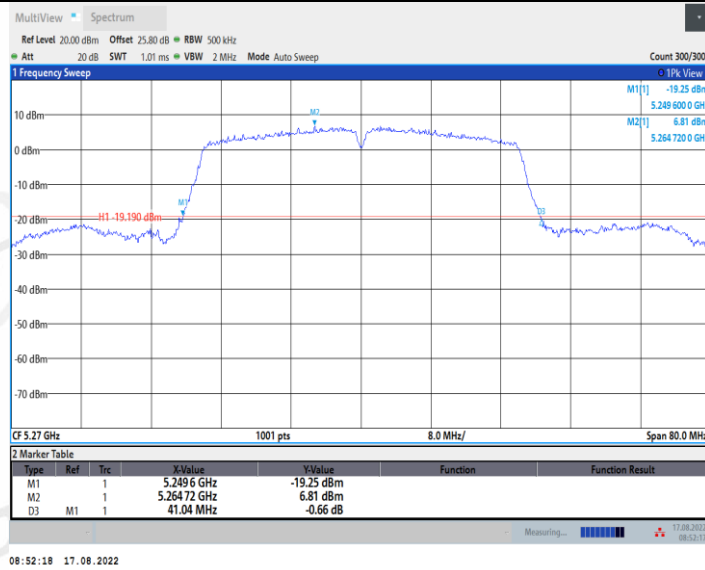
11N40SISO_Ant1_5190



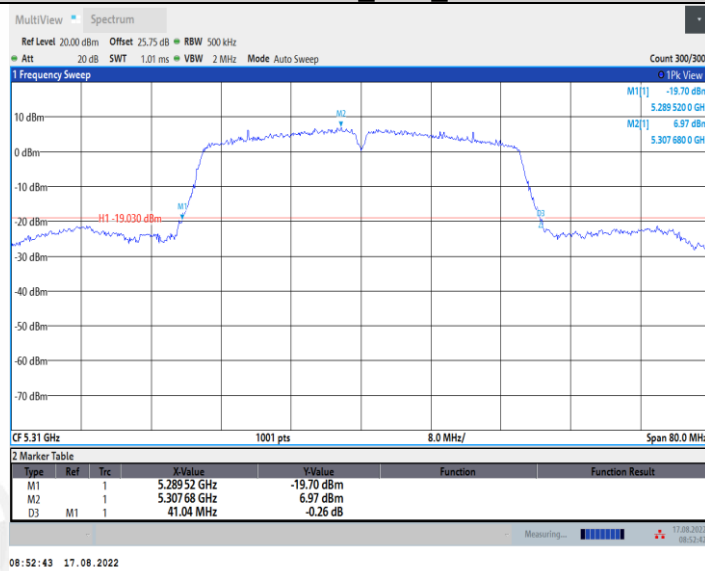
11N40SISO_Ant1_5230



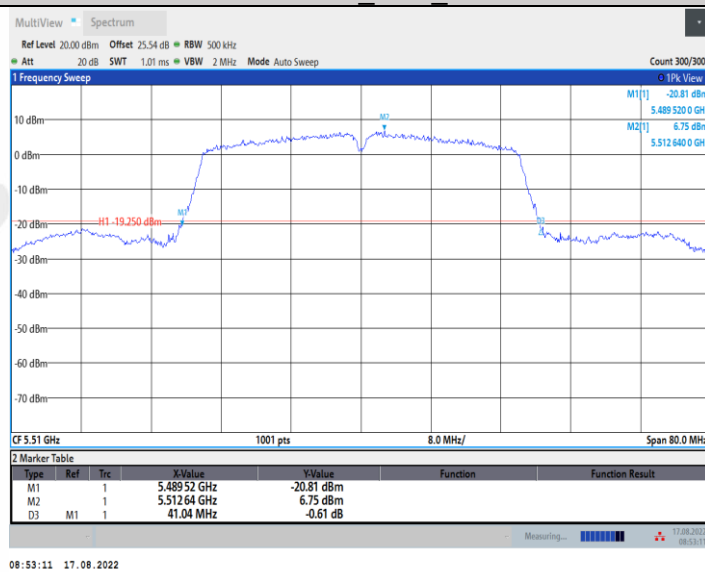
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550