FCC TEST REPORT

For

Mobile Phone

Model Number: CPH2541, A302OP

FCC ID: R9C-AC078

Report Number : WT238000450

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection
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Revision History

No	Date	Remark
V1.0	2023.04.20	Initial issue

TEST REPORT DECLARATION

Applicant	:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Manufacturer	:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
EUT Description	:	Mobile Phone
Model No.	:	CPH2541, A302OP
Trade mark	:	OPPO
Serial Number	:	/
FCC ID	:	R9C-AC078

Test Standards:

FCC Part 15 Subpart E

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 15.207, 15.209 and 15.407.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:	陈司林 (Chen Silin 陈司林)	Date:	Apr.20, 2023
Checked by:	万晓婧 (Wan Xiaojing 万晓婧)	Date:	Apr.20, 2023
Approved by:	林奕翔 (Lin Yixiang 林奕翔)	Date:	Apr.20, 2023

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1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB Bandwidth	FCC §15.407 (e)	Pass
26dB Bandwidth	FCC §15.407 (a)	Pass
Maximum Peak Conducted Power	FCC §15.407 (a)	Pass
Maximum Power Spectral Density Level	FCC §15.407 (a)	Pass
Radiated Bandedge and Spurious	15.407 (b) 15.209 15.205	Pass
Conducted emission test for AC power port	15.207	Pass
Antenna Requirement	15.203	Pass

Remark: “N/A” means “Not applicable.”

2. GENERAL INFORMATION

2.1. Report Information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting for false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078 and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

2.3. Measurement Uncertainty

Conducted Emission
9 kHz~150 kHz *U*=3.7dB k=2
150 kHz~30MHz *U*=3.3dB k=2

Radiated Emission
30MHz~1000MHz *U*=4.3dB k=2
1GHz~6GHz *U*=4.6 dB k=2
6GHz~40GHz *U*=5.1dB k=2

3. PRODUCT DESCRIPTION

NOTE: The extreme test conditions for temperature and antenna gain were declared by the manufacturer.

3.1. EUT Description

Description	:	Mobile Phone
Manufacturer	:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Model Number	:	CPH2541, A302OP
Operate Frequency	:	U-NII 1(5150~5250 MHz) U-NII 2A(5250~5350 MHz) U-NII 2C(5470~5725 MHz) U-NII 3(5725~5850 MHz)
Antenna Designation	:	IFA Antenna U-NII 1(5150~5250 MHz) Ant9: -0.5 dBi, Ant10: 2.5 dBi U-NII 2A(5250~5350 MHz) Ant9: 1 dBi, Ant10: 2.5 dBi U-NII 2C(5470~5725 MHz) Ant9: 1.5 dBi, Ant10: 2dBi U-NII 3(5725~5850 MHz) Ant9: 1 dBi, Ant10: 1 dBi
Operating voltage	:	DC7.0V (Low)/DC7.82V (Nominal)/DC8.7V (Max)
Software Version	:	ColorOS V13.1
Hardware Version	:	11

Remark: The difference between product of CPH2541and A302OP as below:
Different model names for different clients.
Except listings above, all of the model's circuit theory, electrical design and Critical Components are the same. Unless otherwise specified, the model CPH2541 was chosen as the representative model to perform all the tests.

Frequency List:

Band 1

Ch.	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240

Band 2A

Ch.	Frequency (MHz)
52	5260
56	5280
60	5300
64	5320

Band 2C

Ch.	Frequency (MHz)
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700

Band 3

Ch.	Frequency (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

Table 2 802.11a/802.11n/802.11ac/802.11ax (20MHz) Frequency /Channel operations

Band 1

Ch.	Frequency (MHz)
38	5190
46	5230

Band 2A

Ch.	Frequency (MHz)
54	5270
62	5310

Band 2C

Ch.	Frequency (MHz)
102	5510
110	5550
118	5590
126	5630
134	5670

Band 3

Ch.	Frequency (MHz)
151	5755
159	5795

Table 3 802.11n/802.11ac/802.11ax (40MHz BW) Frequency /Channel operations

Band 1

Ch.	Frequency (MHz)
42	5210

Band 2A

Ch.	Frequency (MHz)
58	5290

Band 2C

Ch.	Frequency (MHz)
106	5530
122	5610

Band 3

Ch.	Frequency (MHz)
155	5775

Table 4 802.11ac/802.11ax (80MHz BW) Frequency /Channel operations

Band 1/ Band 2A

Ch.	Frequency (MHz)
50	5250

Band 2C

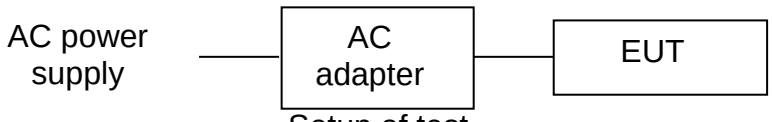
Ch.	Frequency (MHz)
58	5570

Table 5 802.11ac/802.11ax (160MHz BW) Frequency /Channel operations

3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: R9C-AC078 filing to comply with Section 15.207，15.209，15.407 of the FCC Part 15, Subpart E .

3.3. Block Diagram of EUT Configuration



Setup of test

3.4. Operating Condition of EUT

The Radiated spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (X plane).
Worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was the mode and channel with the highest output power.
Worst-case data rates as provided by the client were:
802.11a mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11n HT40 mode: MCS0
802.11ac VHT20 mode: MCS0
802.11ac VHT40 mode: MCS0
802.11ac VHT80 mode: MCS0
802.11ac VHT160 mode: MCS0
802.11ax HEW20 mode: MCS0

802.11ax HEW40 mode: MCS0
802.11ax HEW80 mode: MCS0
802.11ax HEW160 mode: MCS0
802.11a operates in SISO/CDD mode. For SISO/CDD conducted measurements, the modes tested in this report will be considered as a worst case mode.
802.11n operate in SISO/MIMO mode. For SISO/MIMO conducted measurements, the modes tested in this report will be considered as a worst case mode.
802.11ac operate in SISO/MIMO mode. For SISO/MIMO conducted measurements, the modes tested in this report will be considered as a worst case mode.
802.11ax operate in SISO/MIMO mode. For SISO/MIMO conducted measurements, the modes tested in this report will be considered as a worst case mode.
The EUT supports a MIMO function.

Modulation Mode:	Single(TX)	Two(TX)
802.11a	support	support
802.11n HT20	support	support
802.11n HT40	support	support
802.11ac VHT20	support	support
802.11ac VHT40	support	support
802.11ac VHT80	support	support
802.11ac VHT160	support	support
802.11ax HEW20	support	support
802.11ax HEW40	support	support
802.11ax HEW80	support	support
802.11ax HEW160	support	support

For RSE and bandedge test, both of Single (TX) and Two (TX) mode are evaluated, only the worst case is recorded in this report.

3.5. Directional Antenna Gain

Per ANSI C63.10-2013 Subclause 14.4.3.

3.6. Support Equipment List

Table 6 Support Equipment List

Name	Model No	S/N	Manufacturer
Adapter 1# for EUT	VCBAJAJH	---	HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD.
Adapter 2# for EUT	VCB8JAUH	---	HUIZHOU GOLDEN LAKE INDUSTRIAL CO., LTD.
Rechargeable Li-ion Polymer Battery for EUT	BLP997	---	Sunwoda Electronic Co., Ltd.
USB Cable for EUT	DL129	---	---

3.7. Test Conditions

Date of test: Mar.16, 2023- Apr.20, 2023
Date of EUT Receive: Mar.14, 2023
Temperature: 20℃-26℃
Relative Humidity: 42%-58%

3.8. Special Accessories

Not available for this EUT intended for grant.

3.9. Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Table 7 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB9058/05	Test Receiver	R&S	ESCI 3	Sep.13,2022	1 Year
SB4357	AMN	R&S	ENN216	Aug.23,2022	1 Year
SB9548	Shielded Room	Albatross	SR	Sep.06,2022	1 Year
SB17366	Test Receiver	R&S	ESR26	Jun.22,2022	1 Year
SB3345	Loop Antenna	Schwarzbeck	FMZB1516-113	Jan.19,2023	1 Year
SB3955	Broadband Antenna	SCHWARZBECK	VULB9163	Jun.22,2022	1 Year
SB13958	Horn Antenna	R&S	HF907	Jun.07,2022	1 Year
SB9555/01	Semi Anechoic Chamber	Albatross	9×6×6(m)	Aug.16,2022	1 Year
SB8501/09	Test Receiver	R&S	ESU40	Jan.19,2023	1 Year
SB3435	Horn Antenna	R&S	HF906	Nov.28,2022	1 Year
SB9058/03	Pre-Amplifier	R&S	SCU 18	Jan.19,2023	1 Year
SB8501/11	Antenna	R&S	3160-09	Feb.22,2023	3 Years
SB8501/12	Antenna	R&S	3160-10	Feb.22,2023	3 Years
SB8501/16	Pre-Amplifier	R&S	SCU-26	Jan.19,2023	1 Year
SB9059	Pre-Amplifier	R&S	SCU-40	Aug.23,2022	1 Year
SB9555/02	Fully Anechoic Chamber	Albatross	10.0×5.2×5.4(m)	Aug.16,2022	1 Year
SB20321/01	Spectrum Analyzer	R&S	FSV3044	Dec.15, 2022	1 Year

Table 8 Test software

Name	Manufacturer	Version
Bluetooth and WiFi Test System	Shenzhen JS tonscend co.,ltd	2.6.77.0518

5. DUTY CYCLE

5.1. Limits of Duty Cycle

None; for reporting purposes only

5.2. Test Procedure

1. Set span = Zero
2. RBW = 20MHz
3. VBW = 30MHz,
4. Detector = Peak

5.3. Test Setup

5.4. Test Data

Table 9 Duty Cycle Test Data

Test Mode	On Time (ms)	Duty Cycle (%)	Duty Factor	1/T Minimum VBW (kHz)
802.11a	2.10	99.53	0	0.01
802.11n HT20	5.42	99.63	0	0.01
802.11n HT40	5.43	99.63	0	0.01
802.11ac VHT20	5.43	99.63	0	0.01
802.11ac VHT40	5.43	99.63	0	0.01
802.11ac VHT80	5.42	99.63	0	0.01
802.11ac VHT160	5.43	99.63	0	0.01
802.11ax HEW20	5.44	99.63	0	0.01
802.11ax HEW40	5.45	99.82	0	0.01
802.11ax HEW80	5.44	99.82	0	0.01
802.11ax HEW160	5.45	99.63	0	0.01

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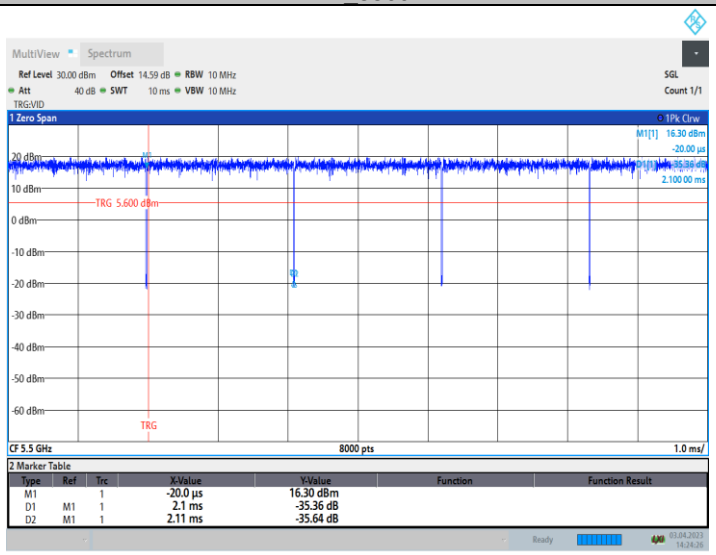
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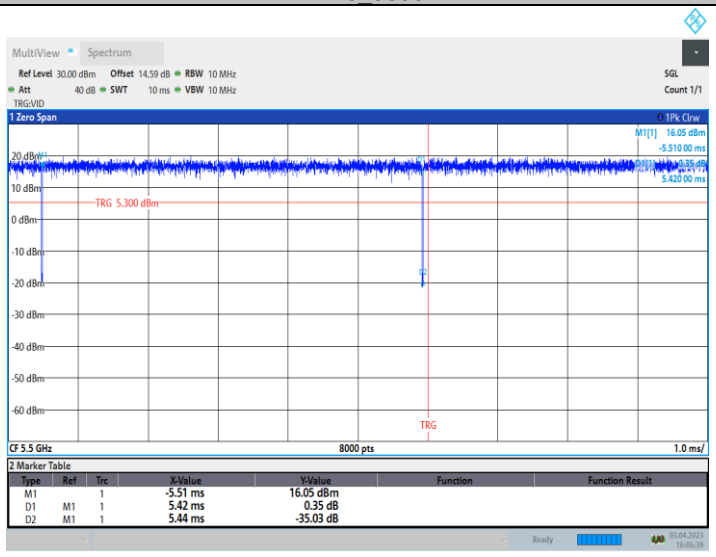
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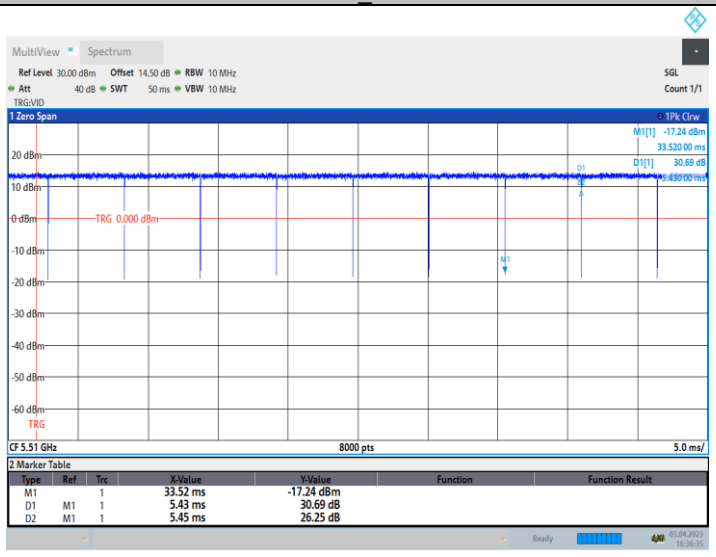
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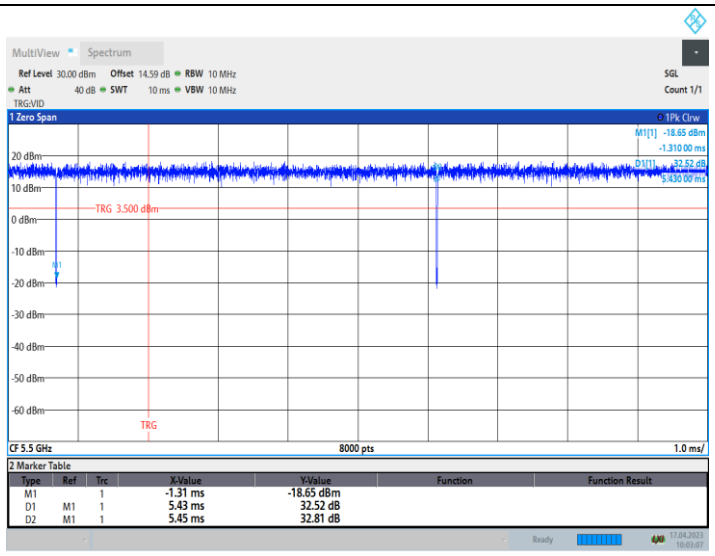

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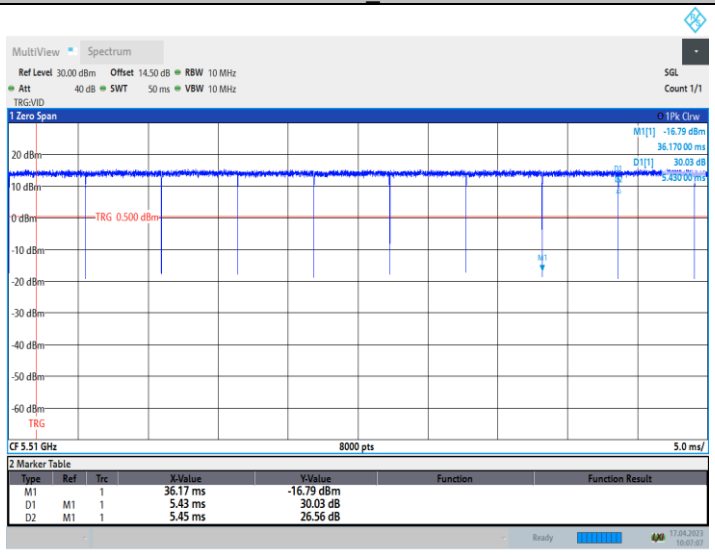

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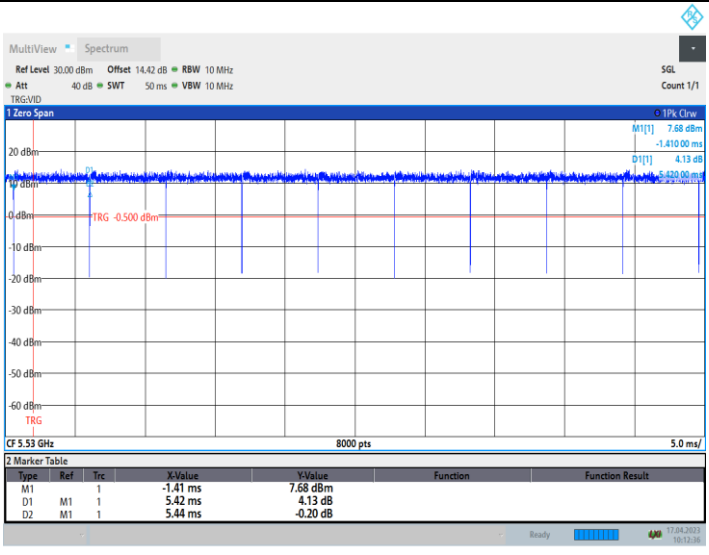

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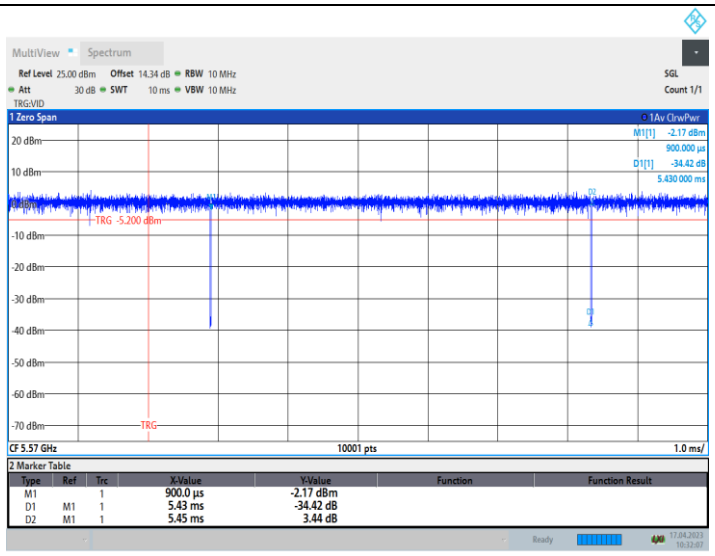

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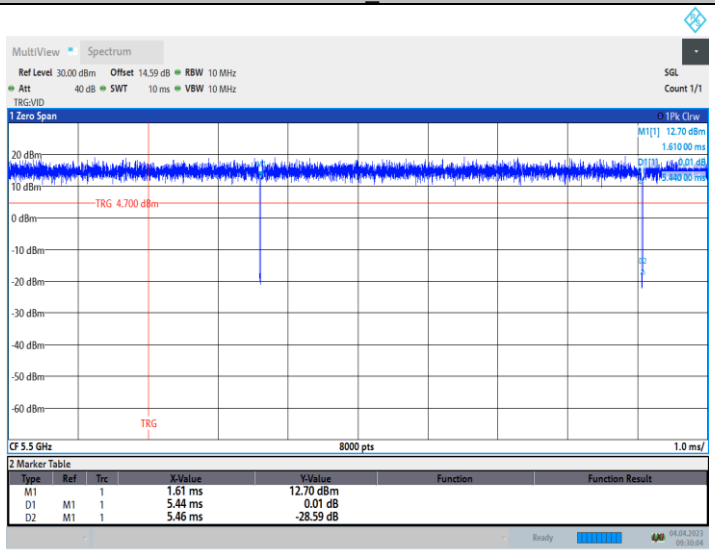

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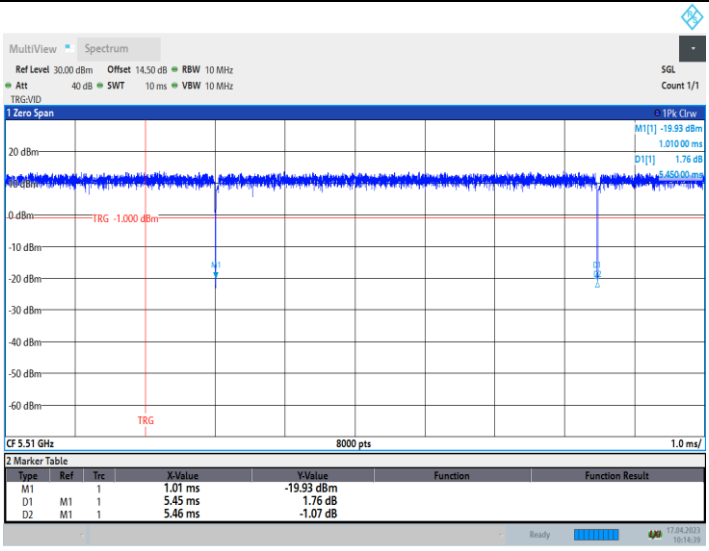

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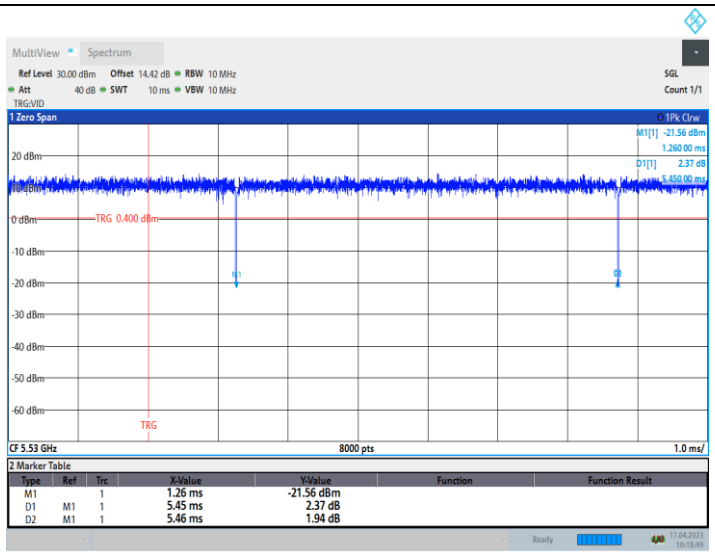

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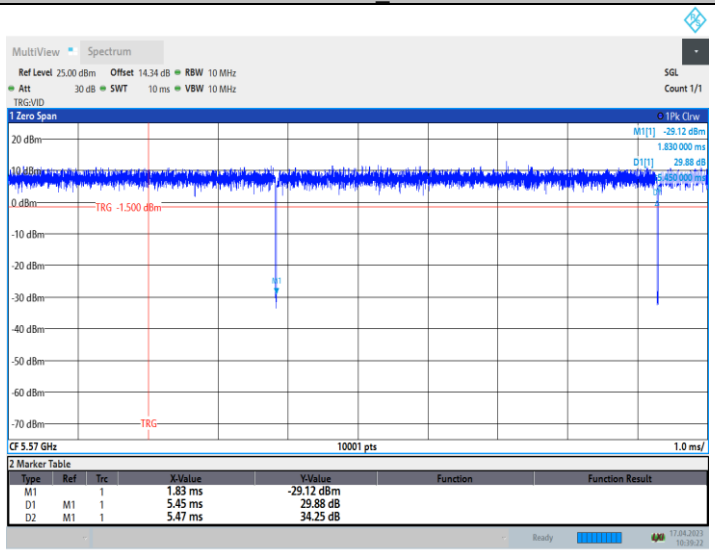

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6. 6DB BANDWIDTH MEASUREMENT

6.1. Limits of 6dB Bandwidth Measurement

The minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725-5.85 GHz.

6.2. Test Procedure

The transmitter output was connected to the spectrum analyzer.
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 x RBW.
c)Detector = Peak.
d)Trace mode = max hold.
e)Sweep = auto couple.
f)Allow the trace to stabilize.
g)Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

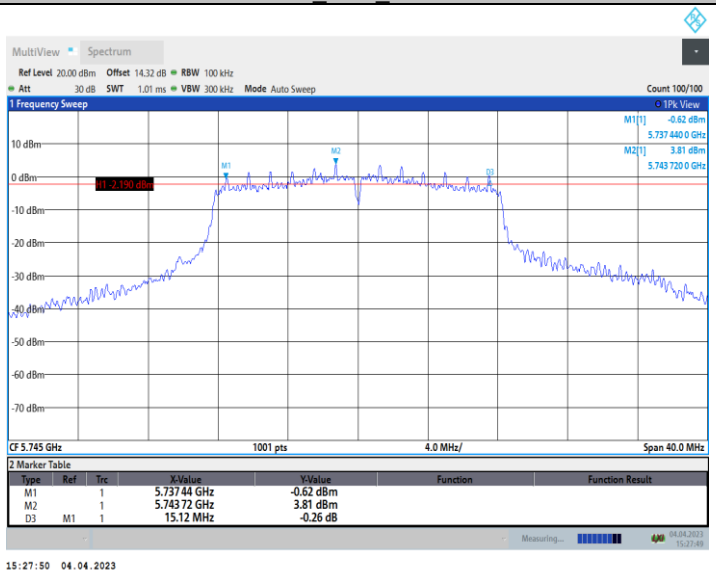
6.3. Test Setup

6.4. Test Data

6dB Bandwidth Test Data

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant9	5745	15.12	5737.44	5752.56	0.5	PASS
		5785	15.16	5777.40	5792.56	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11N20	Ant9	5745	15.04	5737.44	5752.48	0.5	PASS
		5785	15.12	5777.40	5792.52	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11N40	Ant9	5755	35.76	5737.00	5772.76	0.5	PASS
		5795	35.92	5777.00	5812.92	0.5	PASS
11AC20	Ant9	5745	15.08	5737.44	5752.52	0.5	PASS
		5785	15.04	5777.48	5792.52	0.5	PASS
		5825	15.08	5817.48	5832.56	0.5	PASS
11AC40	Ant9	5755	34.24	5738.36	5772.60	0.5	PASS
		5795	35.68	5777.08	5812.76	0.5	PASS
11AC80	Ant9	5775	70.88	5737.72	5808.60	0.5	PASS
11AX20	Ant9	5745	19.12	5735.40	5754.52	0.5	PASS
		5785	15.96	5776.72	5792.68	0.5	PASS
		5825	16.36	5817.00	5833.36	0.5	PASS
11AX40	Ant9	5755	37.52	5736.20	5773.72	0.5	PASS
		5795	36.96	5776.44	5813.40	0.5	PASS
11AX80	Ant9	5775	78.24	5735.80	5814.04	0.5	PASS

11A_Ant9_5745



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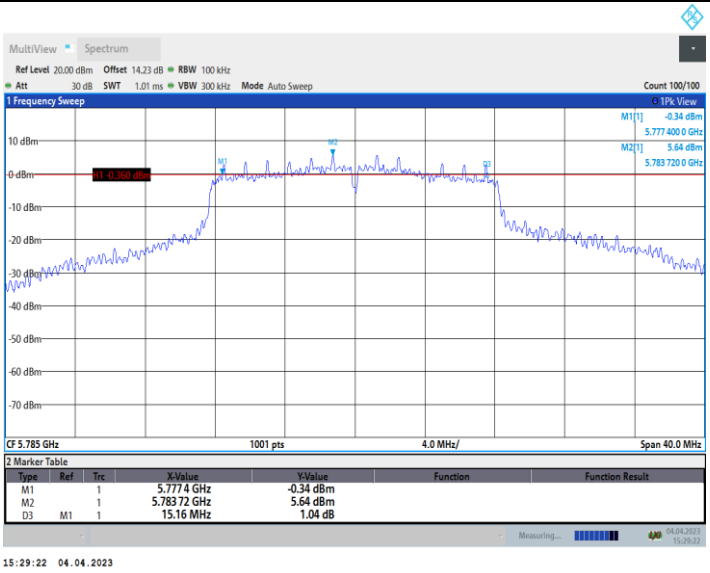

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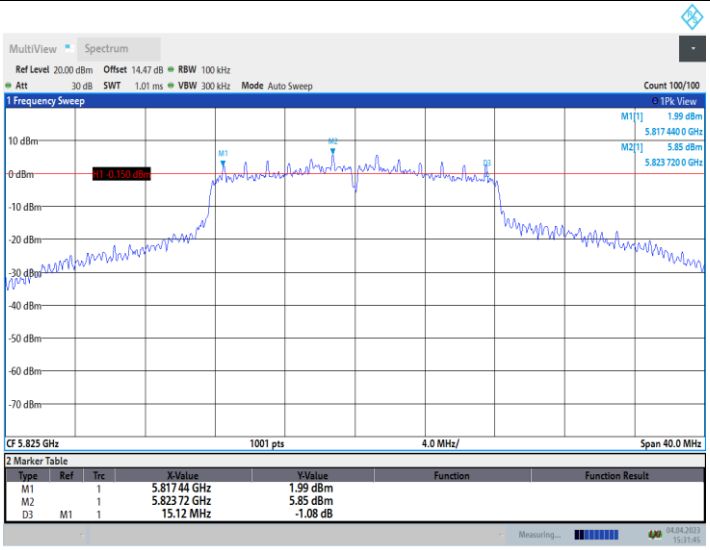

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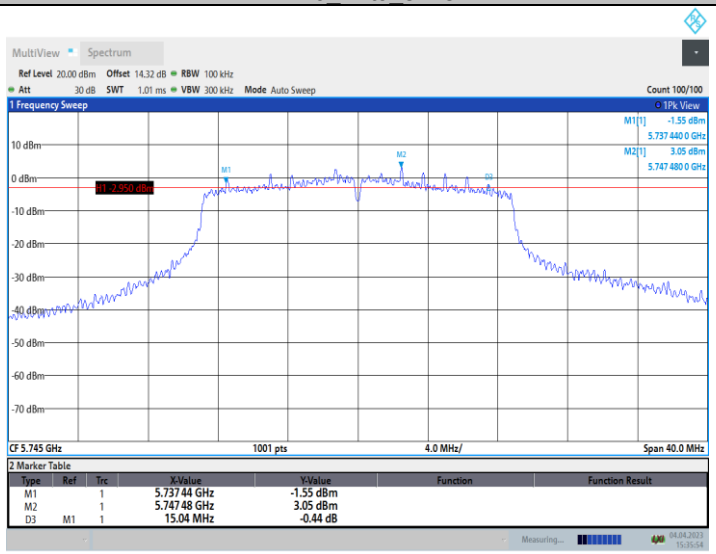

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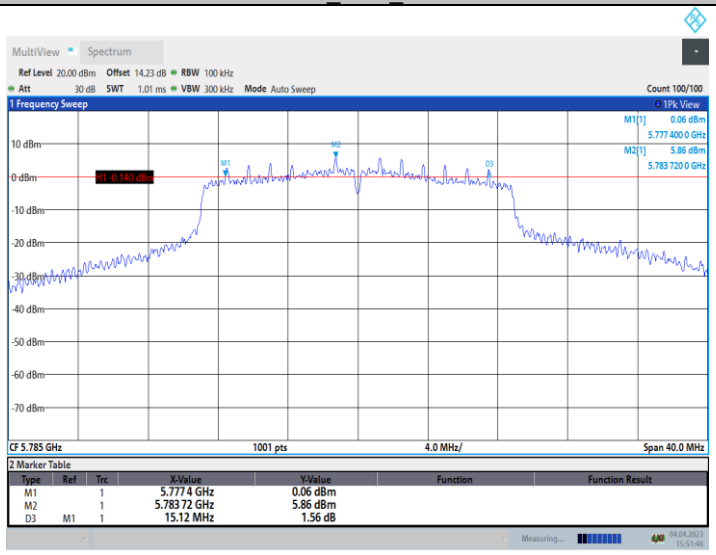

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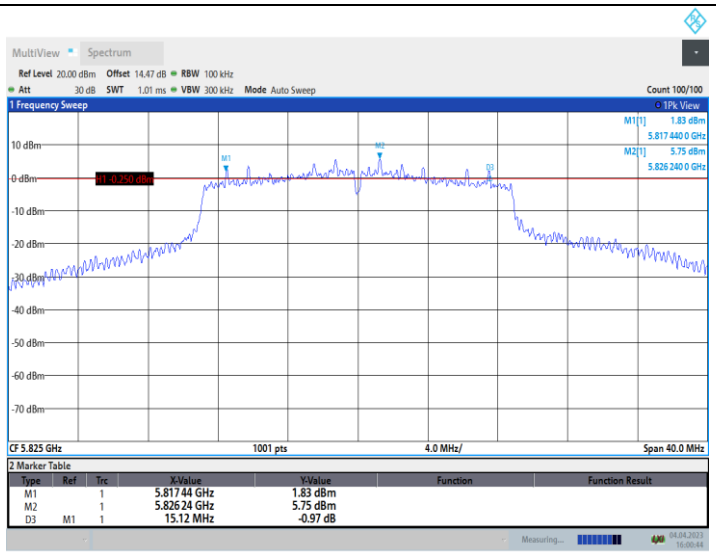

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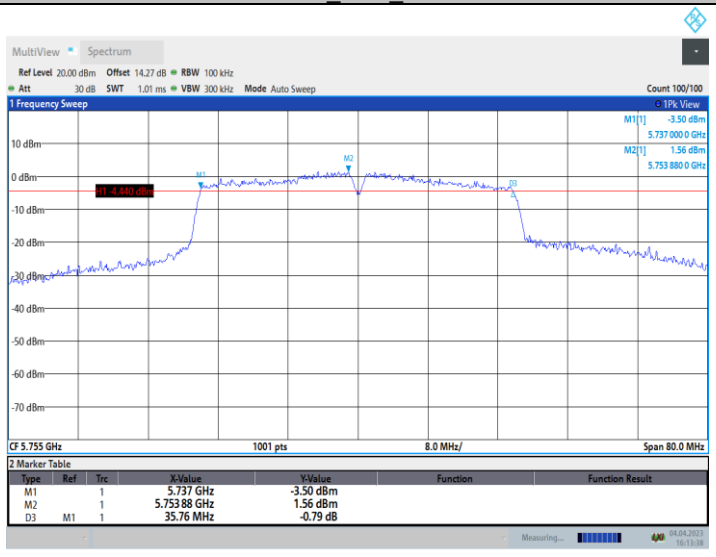

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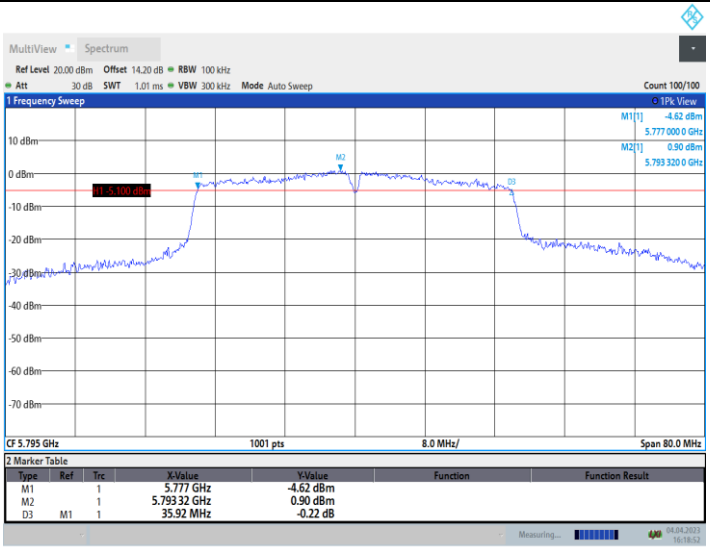

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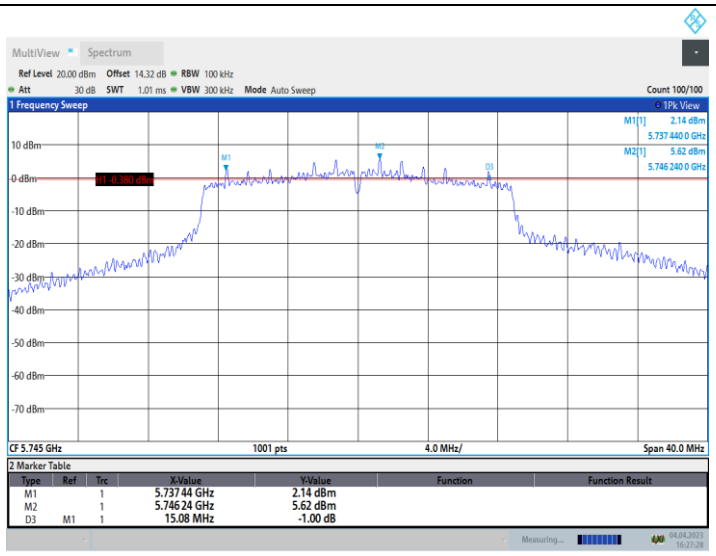
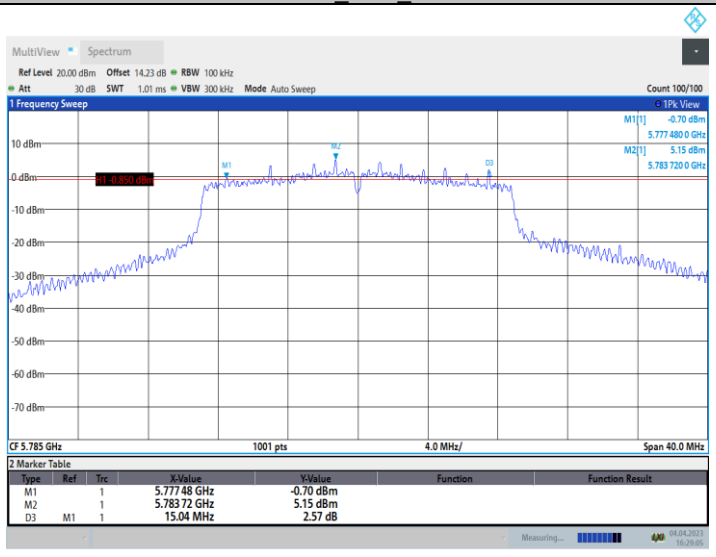
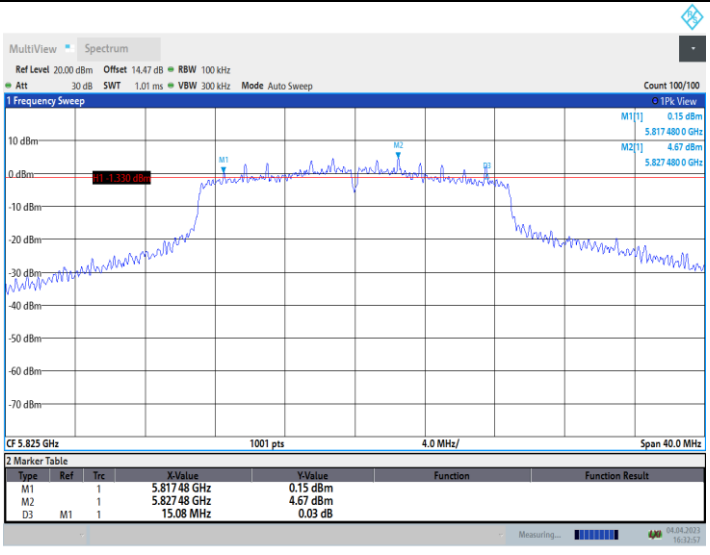


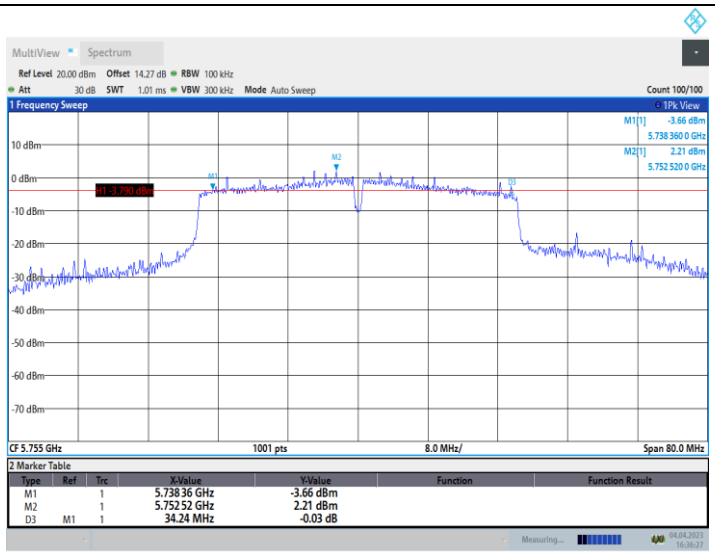
11AC20_Ant9_5785



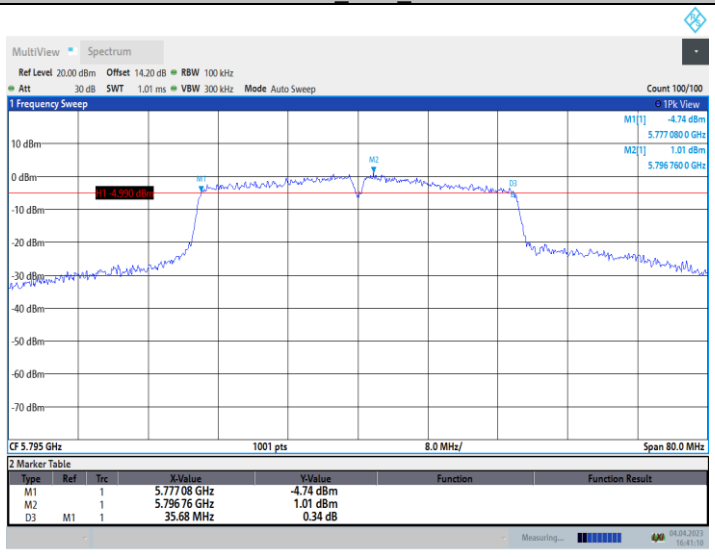
11AC20_Ant9_5825



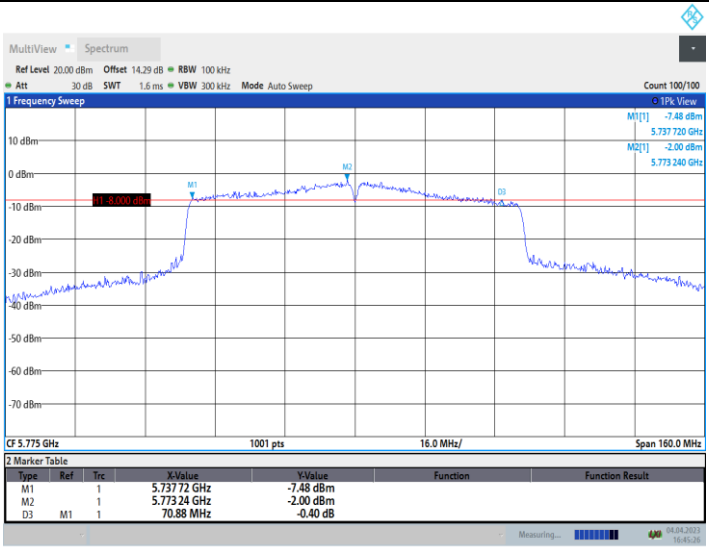
11AC40_Ant9_5755



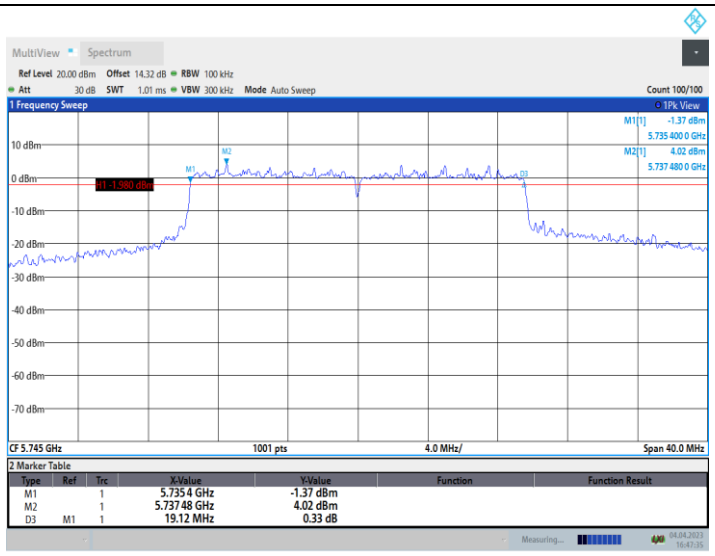
11AC40_Ant9_5795



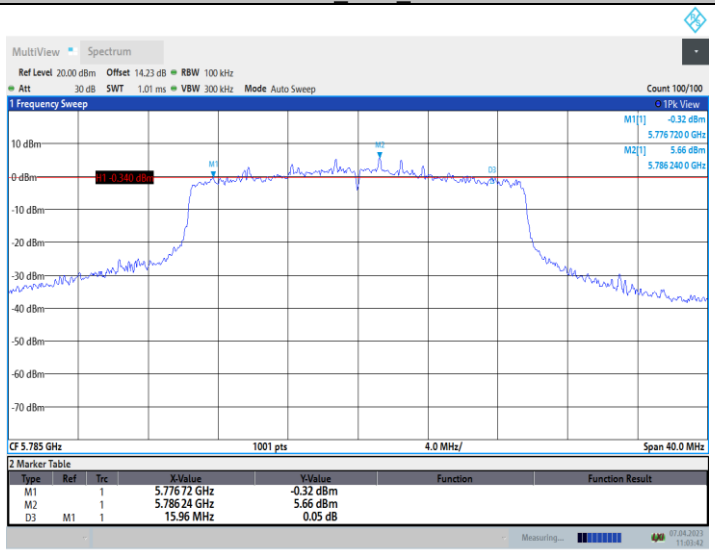
11AC80_Ant9_5775



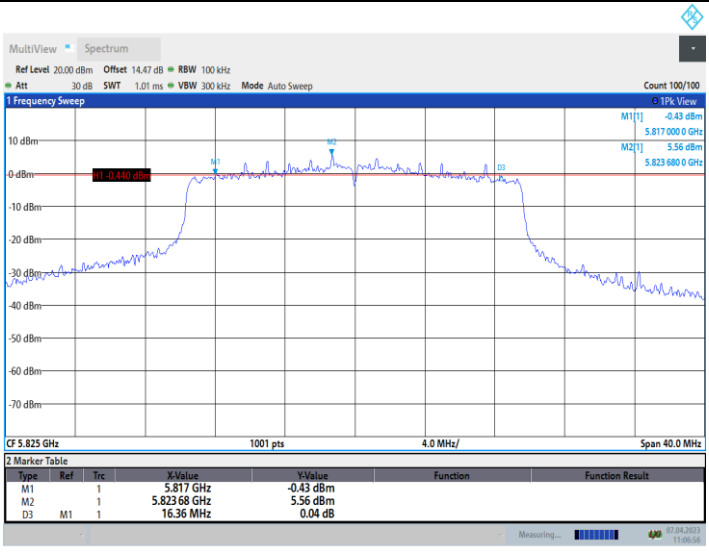
11AX20_Ant9_5745



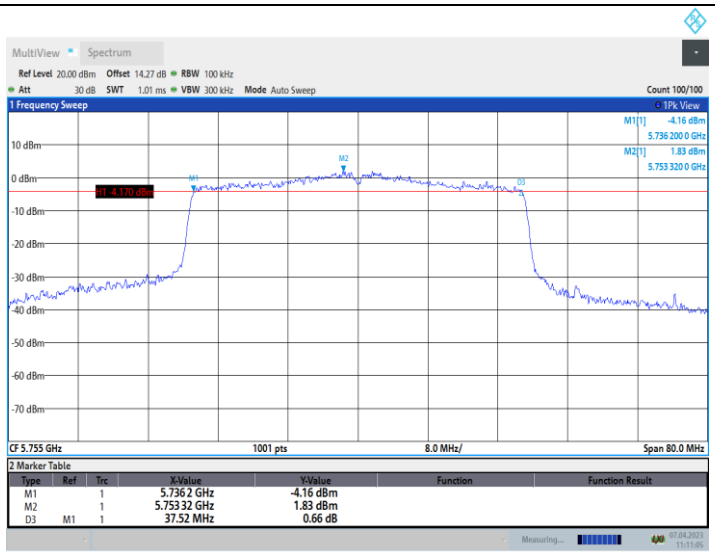
11AX20_Ant9_5785



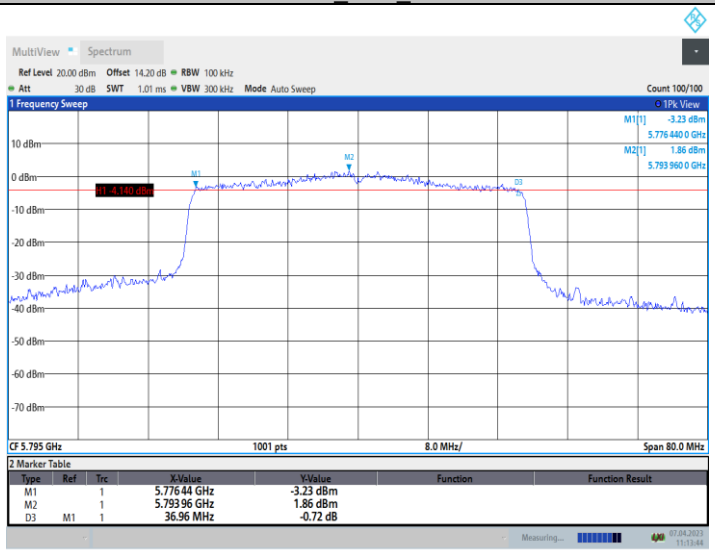
11AX20_Ant9_5825



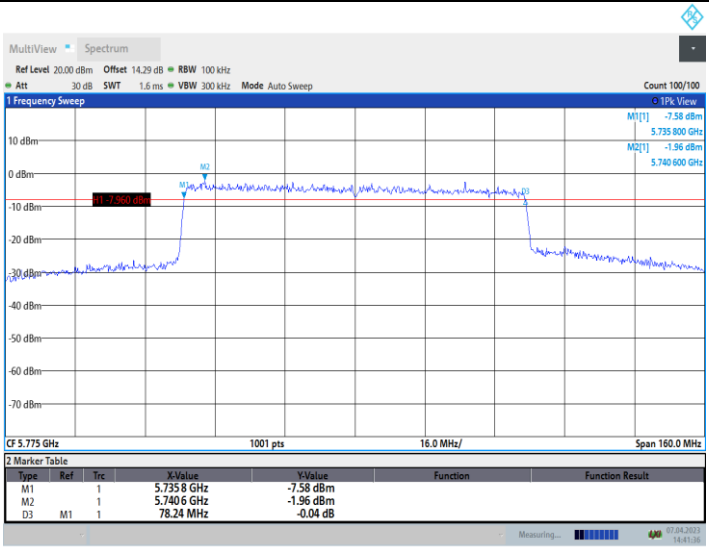
11AX40_Ant9_5755



11AX40_Ant9_5795

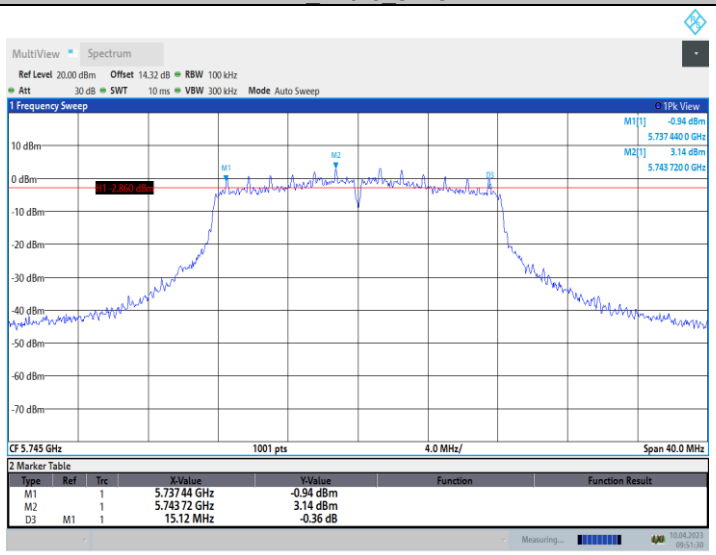


11AX80_Ant9_5775



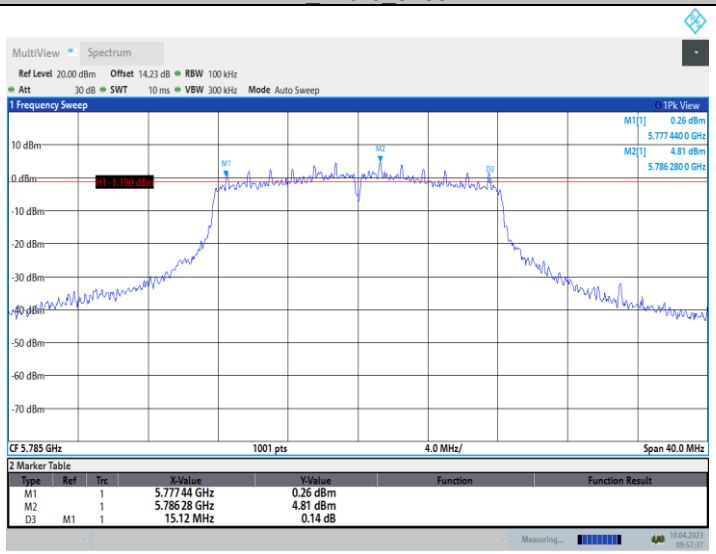
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant10	5745	15.12	5737.44	5752.56	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11N20	Ant10	5745	15.12	5737.44	5752.56	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11N40	Ant10	5755	35.04	5737.48	5772.52	0.5	PASS
		5795	34.40	5778.12	5812.52	0.5	PASS
11AC20	Ant10	5745	15.12	5737.44	5752.56	0.5	PASS
		5785	15.12	5777.44	5792.56	0.5	PASS
		5825	15.12	5817.44	5832.56	0.5	PASS
11AC40	Ant10	5755	35.04	5737.48	5772.52	0.5	PASS
		5795	33.84	5778.68	5812.52	0.5	PASS
11AC80	Ant10	5775	67.68	5739.80	5807.48	0.5	PASS
11AX20	Ant10	5745	18.20	5735.88	5754.08	0.5	PASS
		5785	16.68	5776.68	5793.36	0.5	PASS
		5825	17.60	5815.84	5833.44	0.5	PASS
11AX40	Ant10	5755	35.84	5736.68	5772.52	0.5	PASS
		5795	35.52	5777.08	5812.60	0.5	PASS
11AX80	Ant10	5775	68.96	5738.68	5807.64	0.5	PASS

11A_Ant10_5745



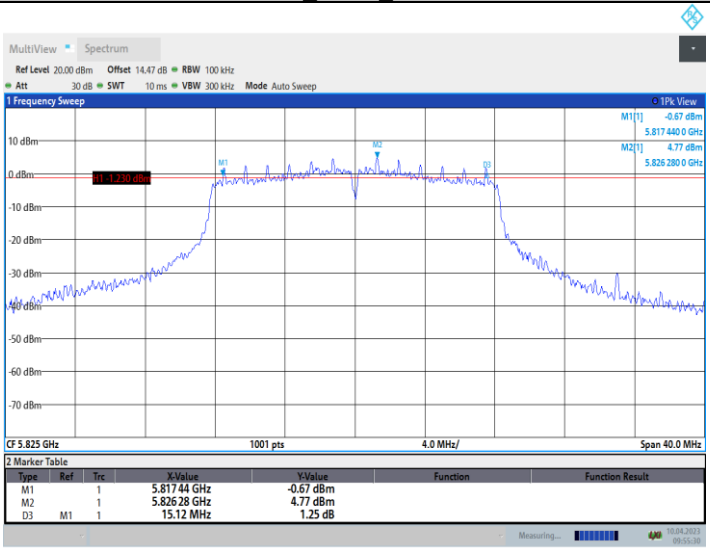
09:51:30 10.04.2023

11A_Ant10_5785



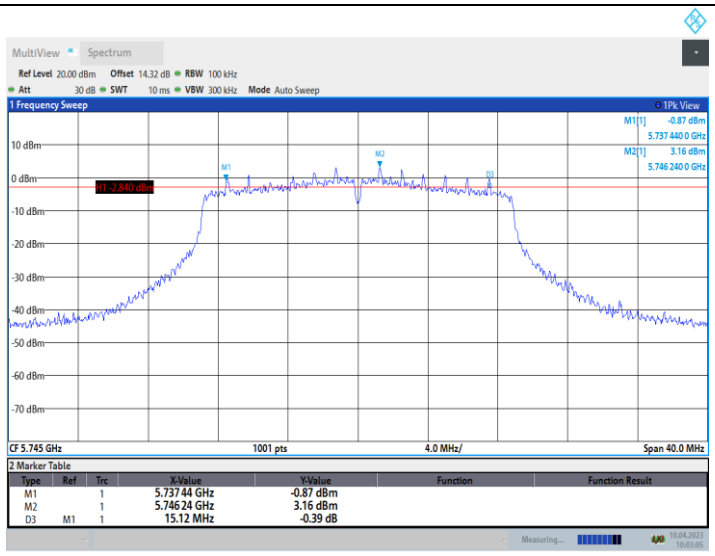
09:57:38 10.04.2023

11A_Ant10_5825

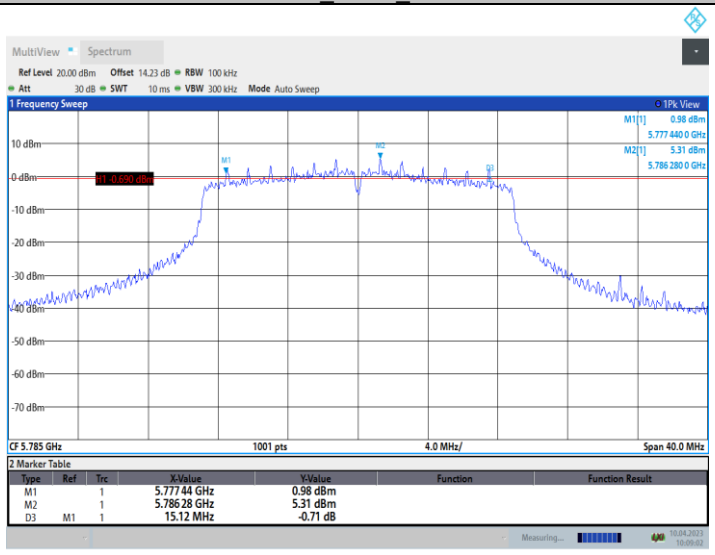


09:55:31 10.04.2023

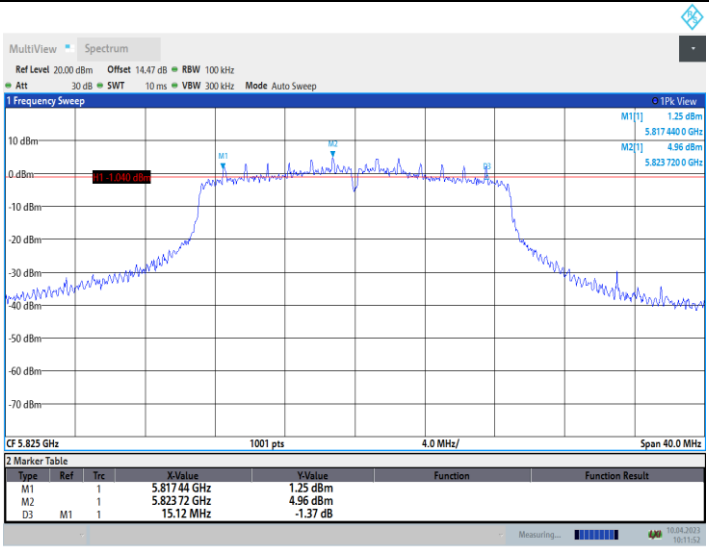
11N20_Ant10_5745



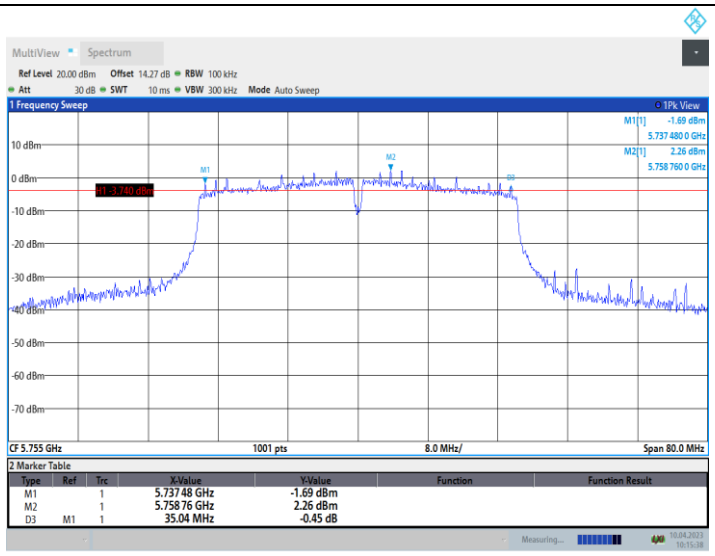
11N20_Ant10_5785



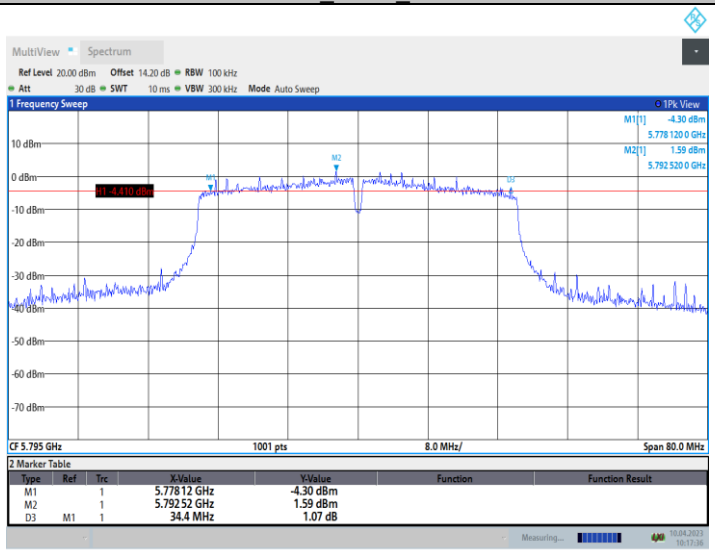
11N20_Ant10_5825



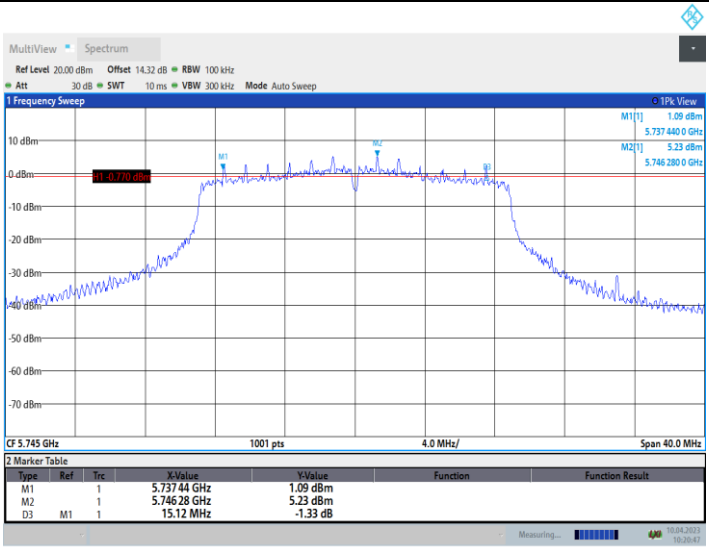
11N40_Ant10_5755



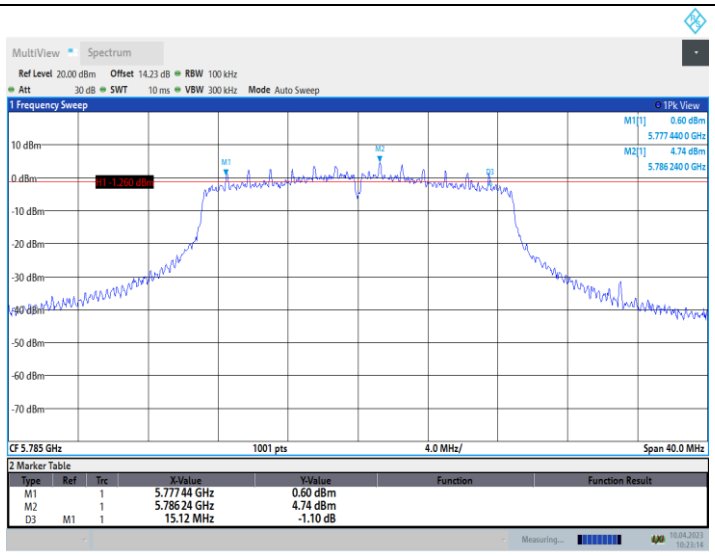
11N40_Ant10_5795



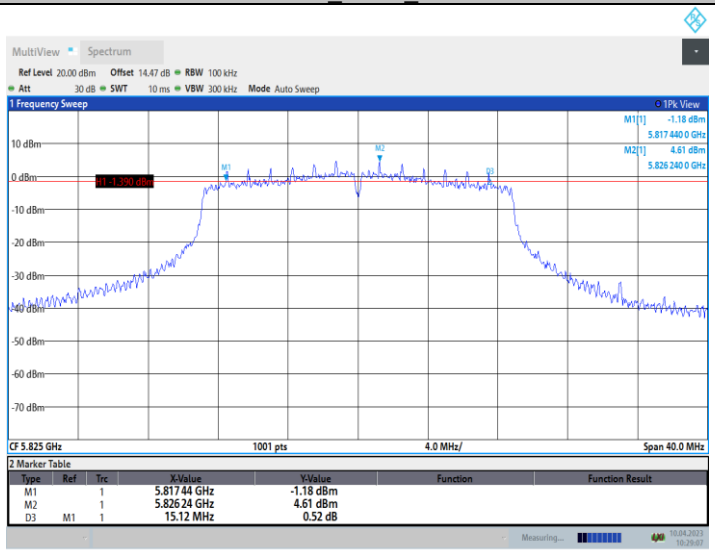
11AC20_Ant10_5745



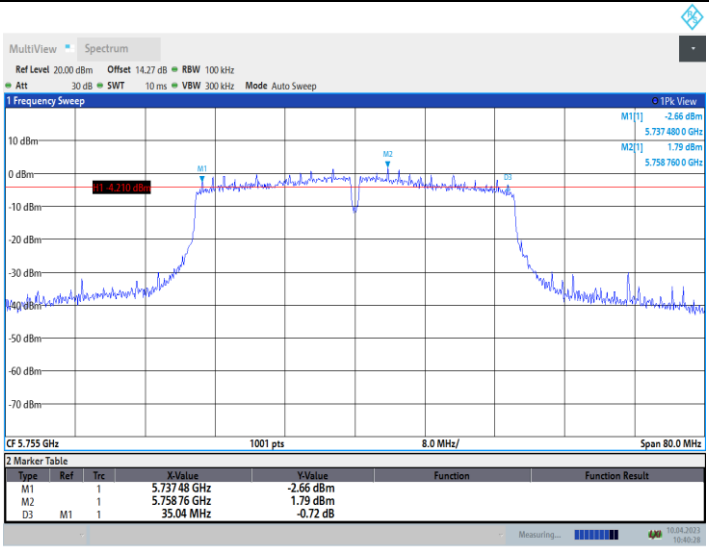
11AC20_Ant10_5785



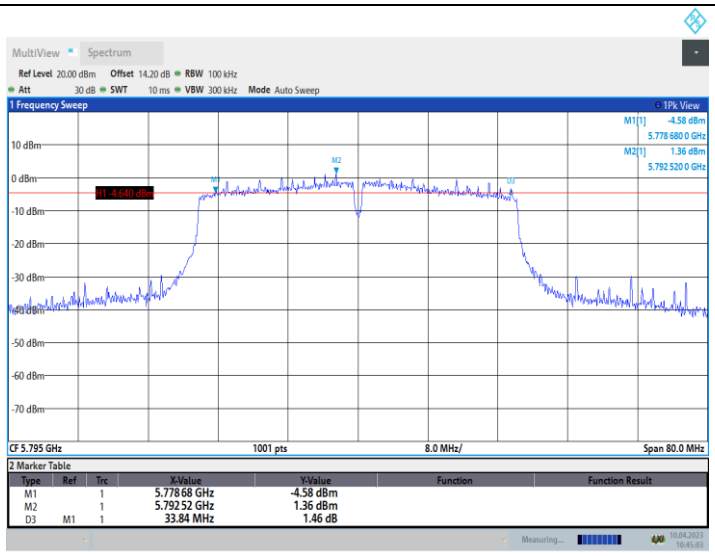
11AC20_Ant10_5825



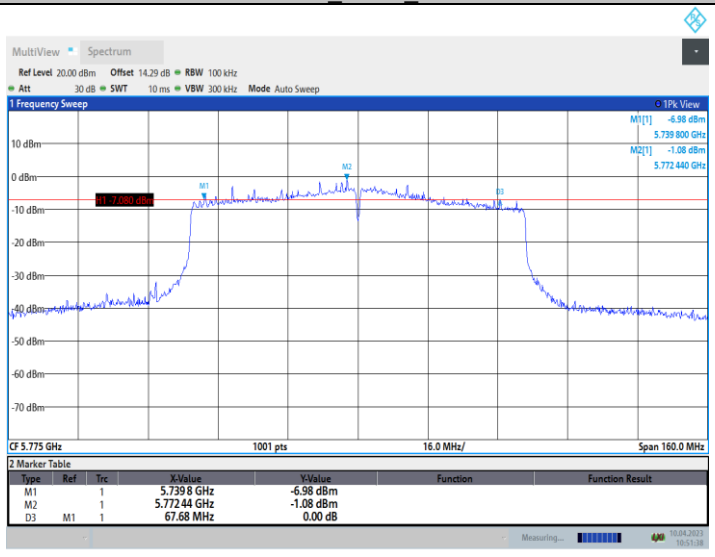
11AC40_Ant10_5755



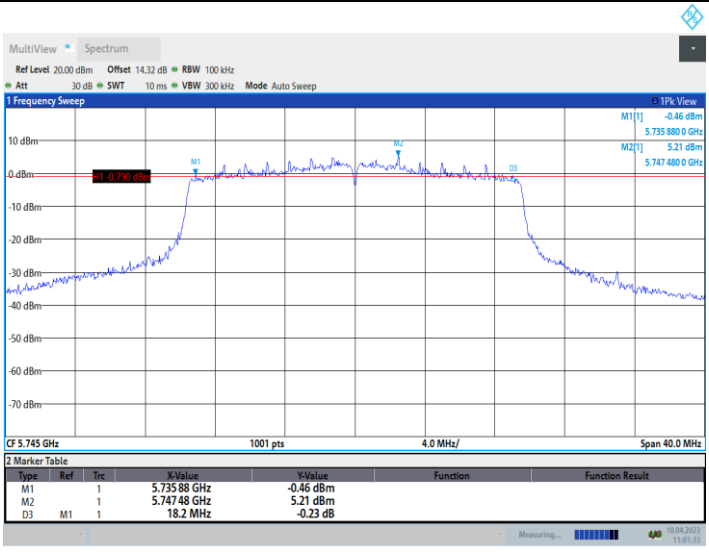
11AC40_Ant10_5795



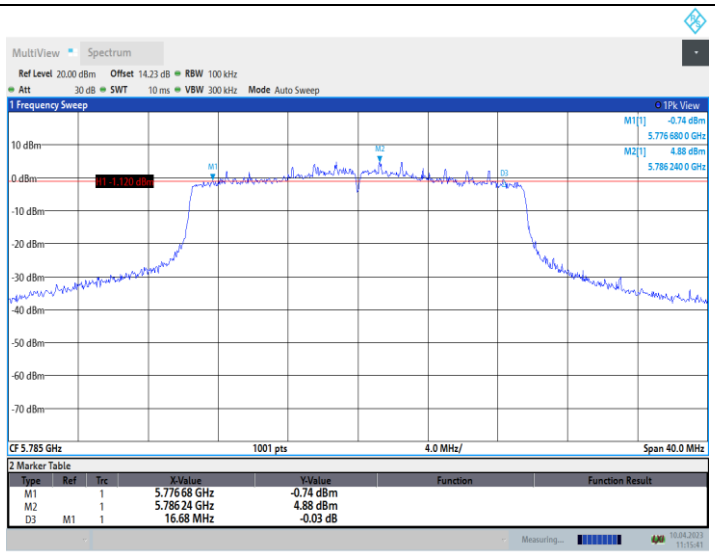
11AC80_Ant10_5775



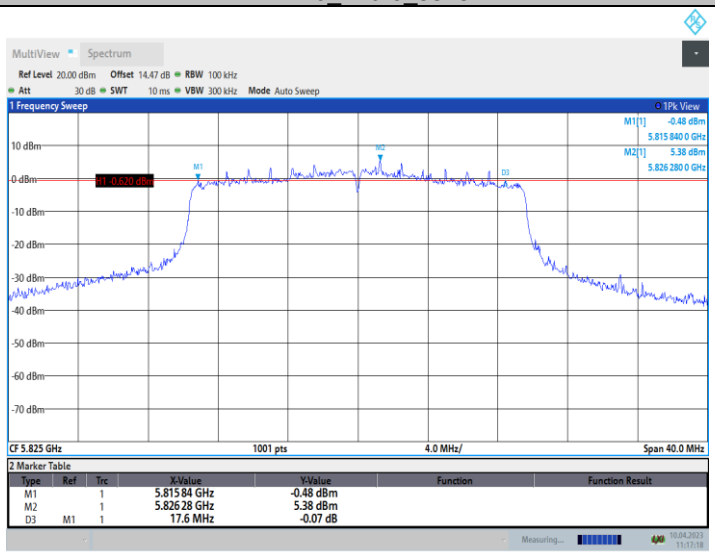
11AX20_Ant10_5745



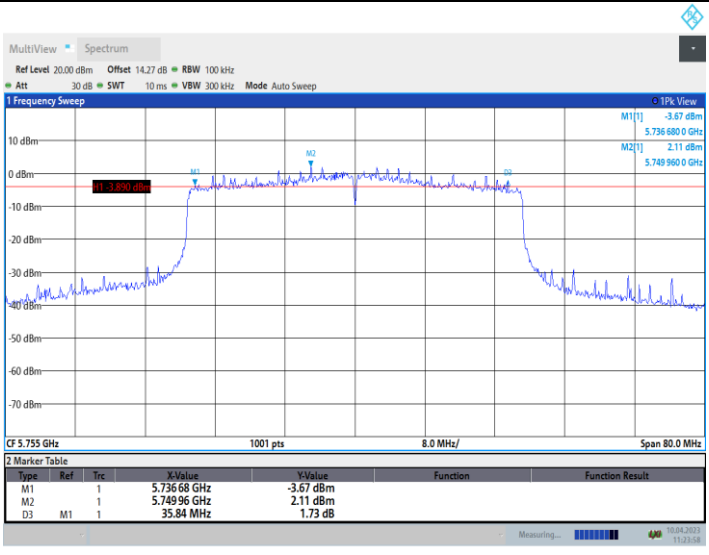
11AX20_Ant10_5785



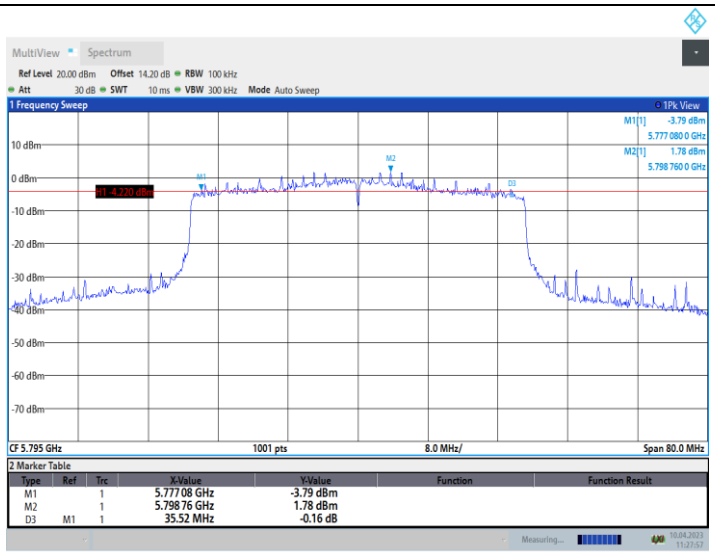
11AX20_Ant10_5825



11AX40_Ant10_5755

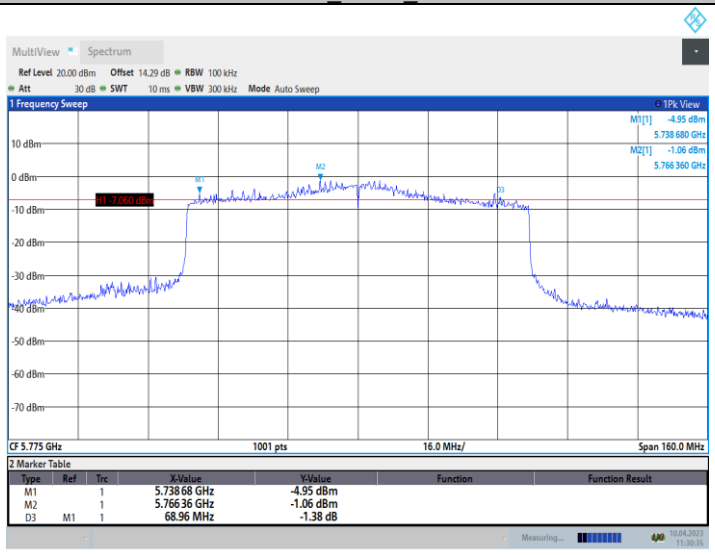


11AX40_Ant10_5795



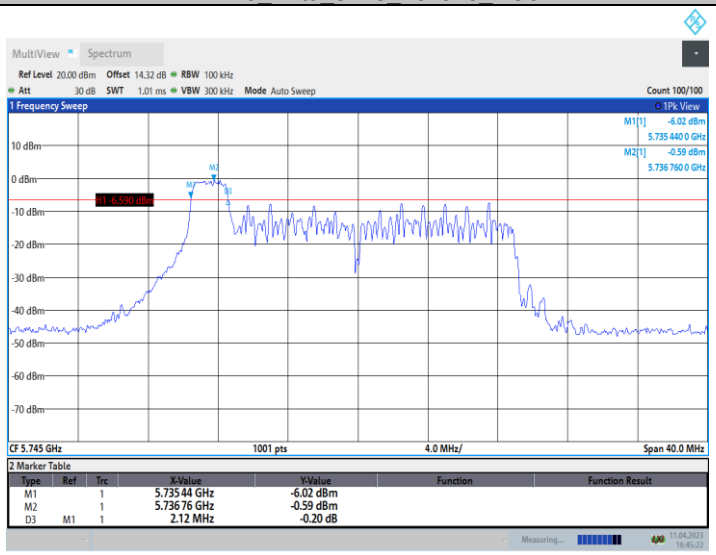
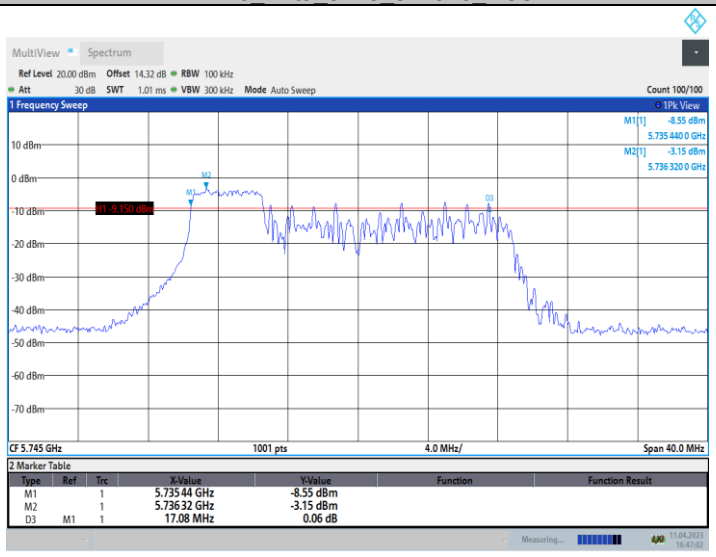
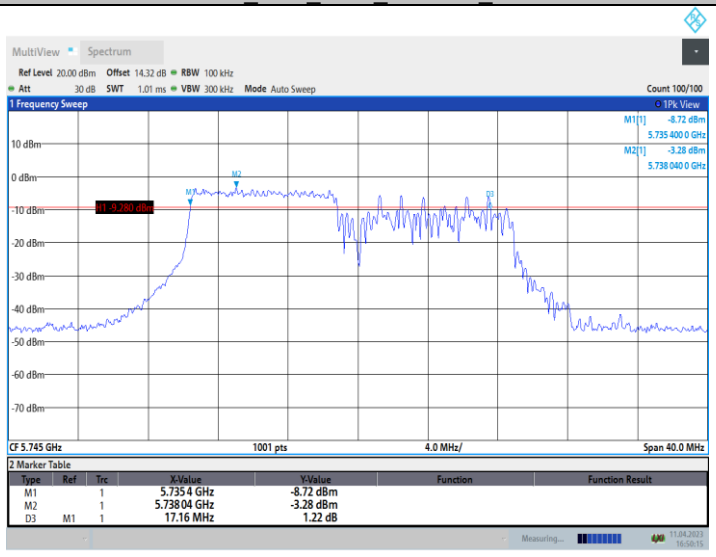
11:27:57 10.04.2023

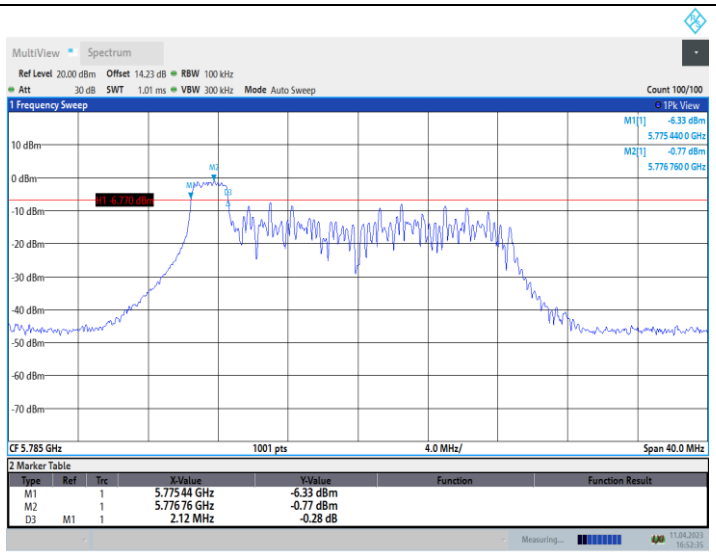
11AX80_Ant10_5775



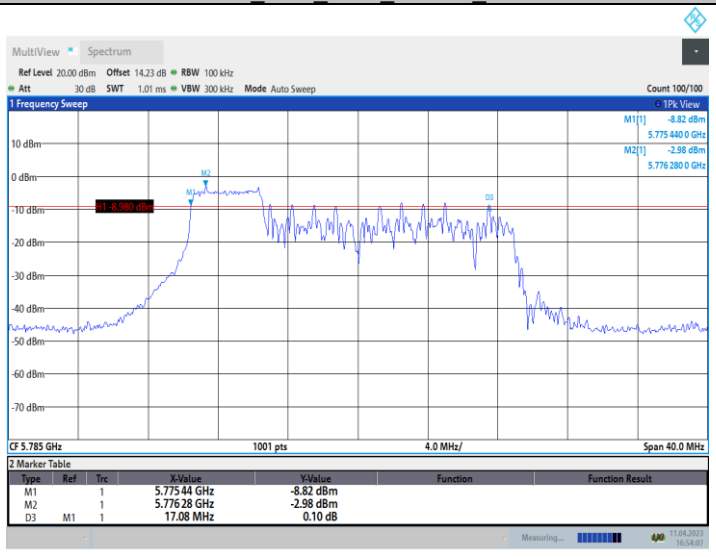
11:30:35 10.04.2023

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	6db BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20	Ant9	5745	26Tone	RU0	2.12	5735.44	5737.56	0.5	PASS
			52Tone	RU37	17.08	5735.44	5752.52	0.5	PASS
			106Tone	RU53	17.16	5735.40	5752.56	0.5	PASS
		5785	26Tone	RU0	2.12	5775.44	5777.56	0.5	PASS
			52Tone	RU37	17.08	5775.44	5792.52	0.5	PASS
			106Tone	RU53	18.08	5775.44	5793.52	0.5	PASS
		5825	26Tone	RU0	2.08	5815.44	5817.52	0.5	PASS
			52Tone	RU37	14.60	5815.44	5830.04	0.5	PASS
			106Tone	RU53	17.12	5815.40	5832.52	0.5	PASS
11AX40	Ant9	5755	26Tone	RU0	2.24	5735.88	5738.12	0.5	PASS
			52Tone	RU37	4.32	5735.80	5740.12	0.5	PASS
			106Tone	RU53	8.40	5735.88	5744.28	0.5	PASS
			242Tone	RU61	37.68	5735.88	5773.56	0.5	PASS
		5795	26Tone	RU0	2.24	5775.88	5778.12	0.5	PASS
			52Tone	RU37	4.24	5775.88	5780.12	0.5	PASS
			106Tone	RU53	8.48	5775.88	5784.36	0.5	PASS
			242Tone	RU61	36.96	5775.80	5812.76	0.5	PASS
11AX80	Ant9	5775	26Tone	RU0	1.76	5736.12	5737.88	0.5	PASS
			52Tone	RU37	4.32	5735.80	5740.12	0.5	PASS
			106Tone	RU53	8.32	5735.96	5744.28	0.5	PASS
			242Tone	RU61	19.04	5735.80	5754.84	0.5	PASS
			484Tone	RU65	37.92	5735.80	5773.72	0.5	PASS

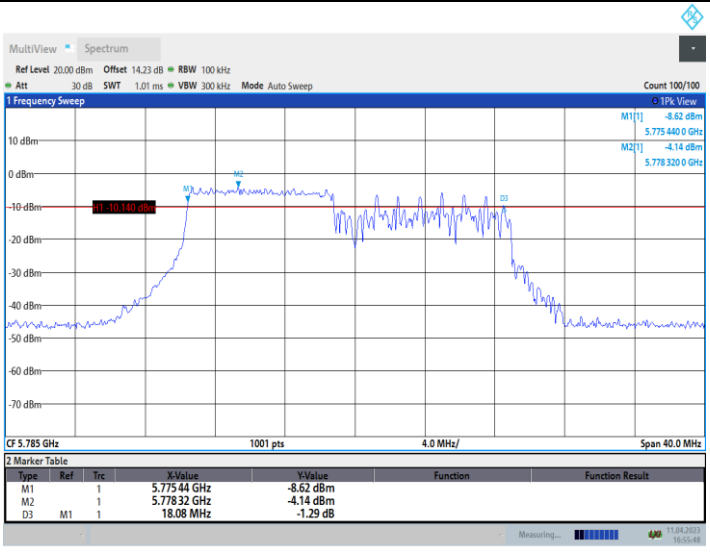
11AX20_Ant9_5745_26Tone_RU0
 16:45:23 11.04.2023
11AX20_Ant9_5745_52Tone_RU37
 16:47:03 11.04.2023
11AX20_Ant9_5745_106Tone_RU53
 16:50:16 11.04.2023
11AX20_Ant9_5785_26Tone_RU0



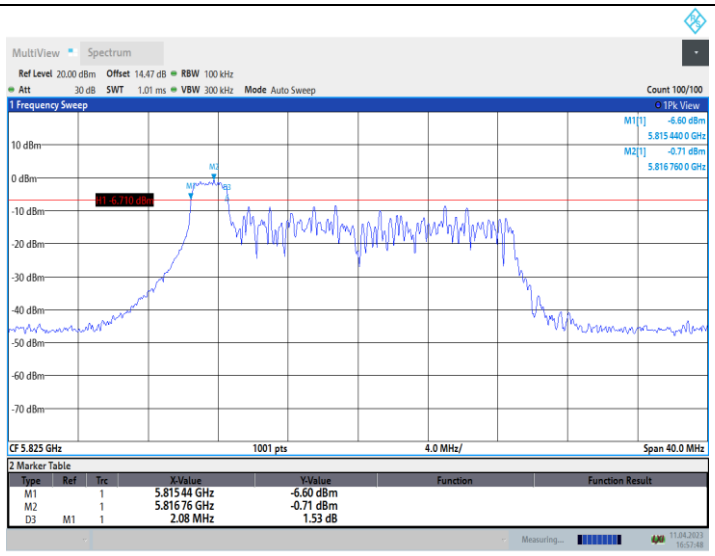
11AX20_Ant9_5785_52Tone_RU37



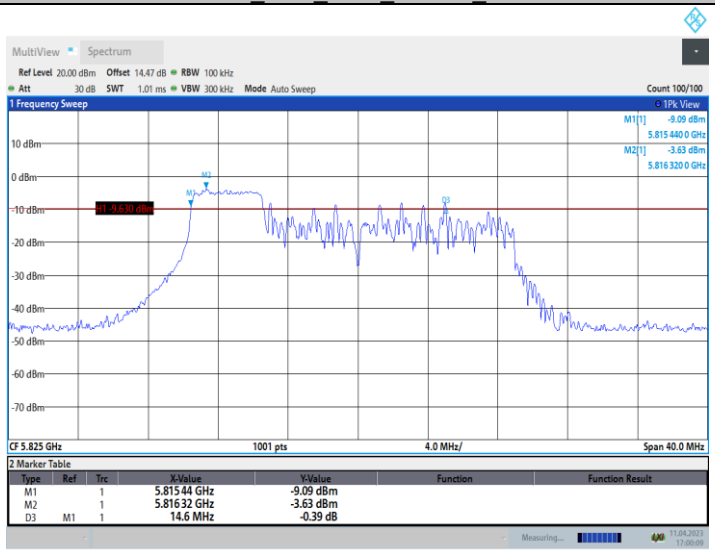
11AX20_Ant9_5785_106Tone_RU53



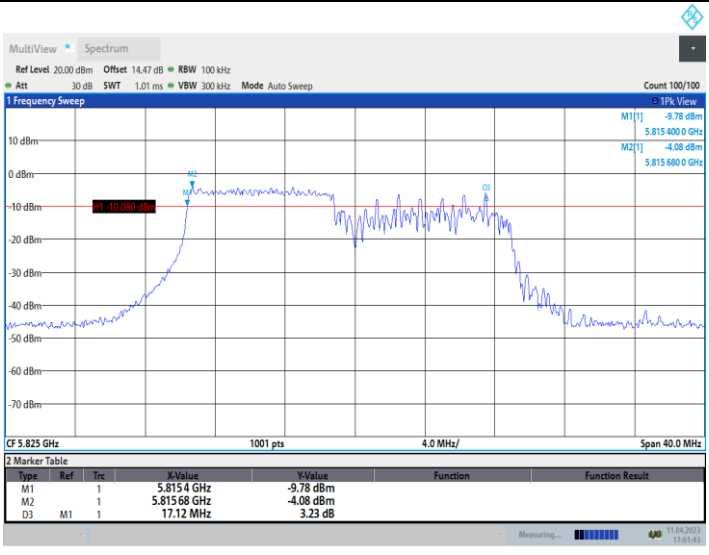
11AX20_Ant9_5825_26Tone_RU0



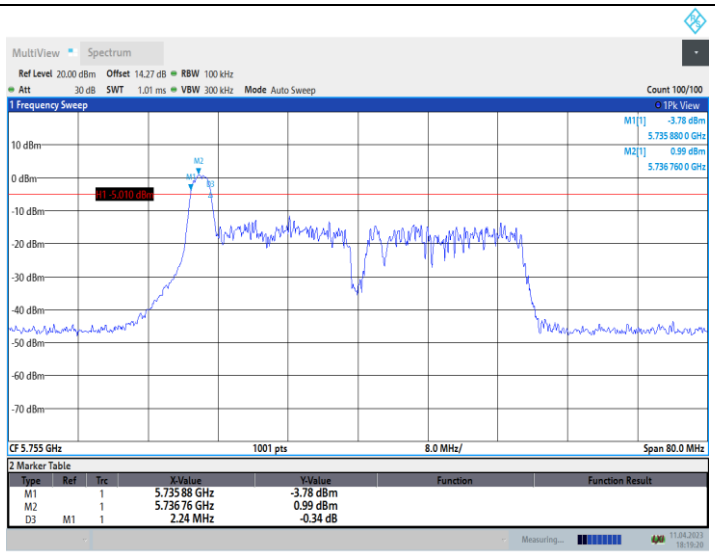
11AX20_Ant9_5825_52Tone_RU37



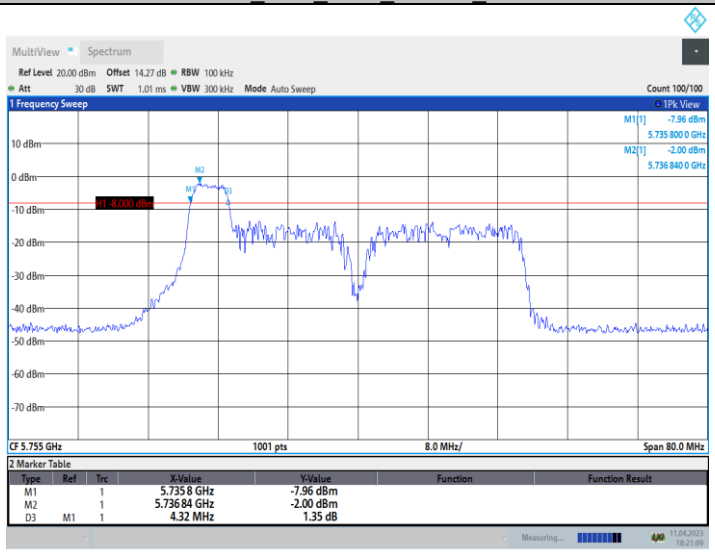
11AX20_Ant9_5825_106Tone_RU53



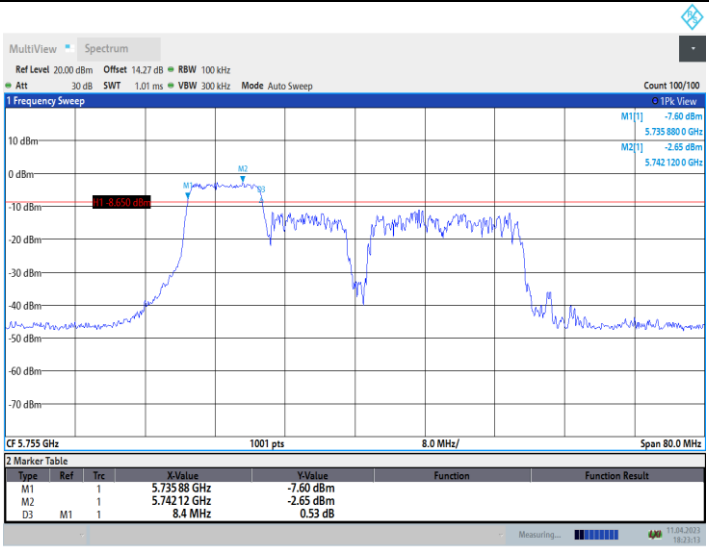
11AX40_Ant9_5755_26Tone_RU0



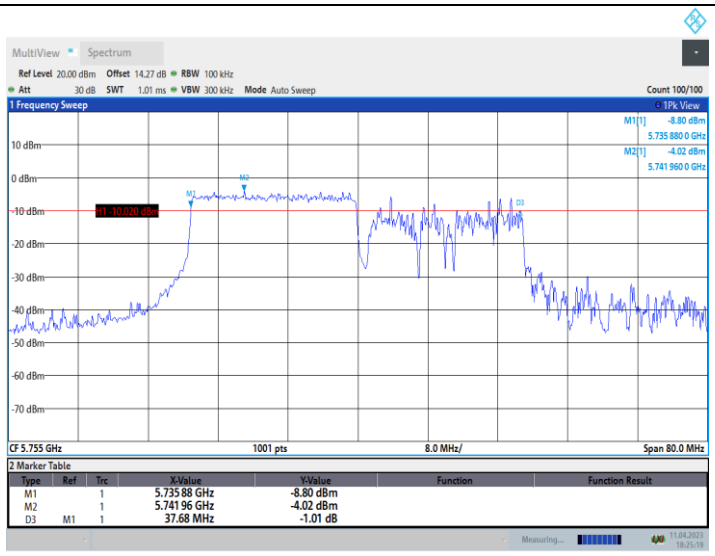
11AX40_Ant9_5755_52Tone_RU37



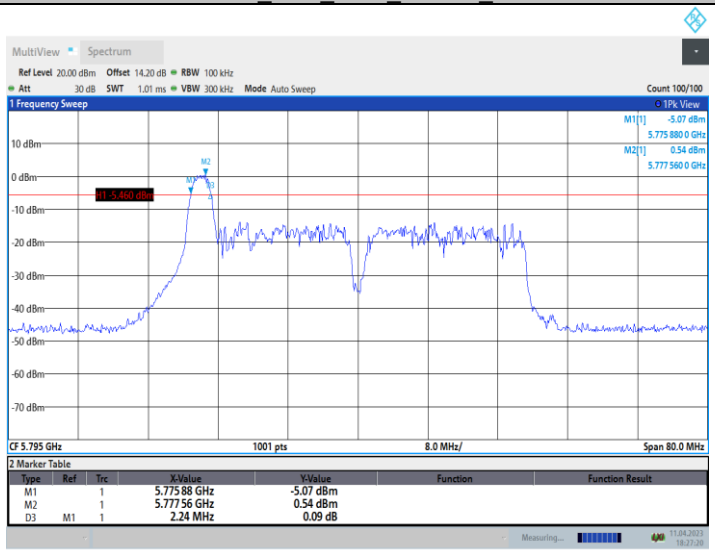
11AX40_Ant9_5755_106Tone_RU53



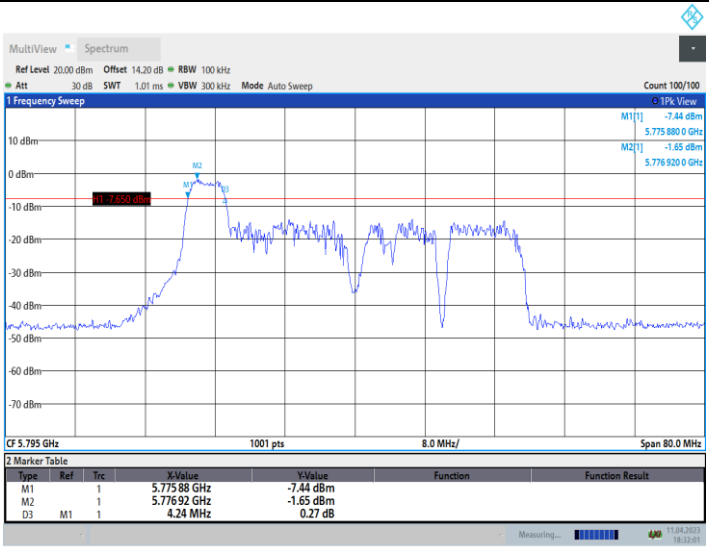
11AX40_Ant9_5755_242Tone_RU61



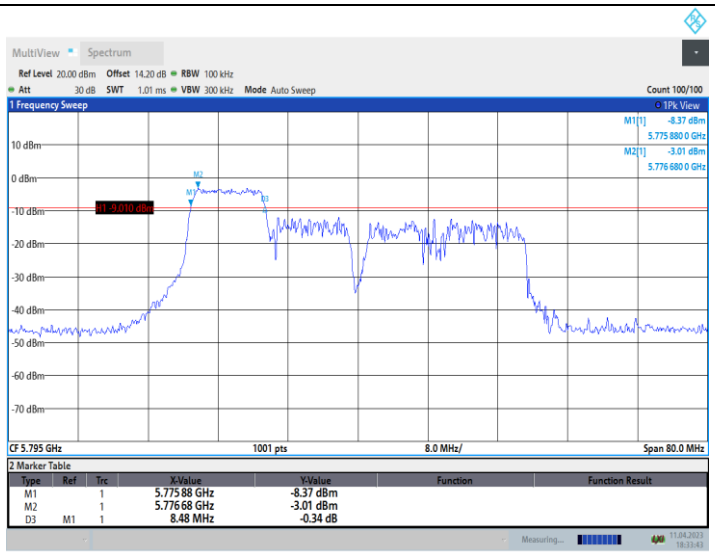
11AX40_Ant9_5795_26Tone_RU0



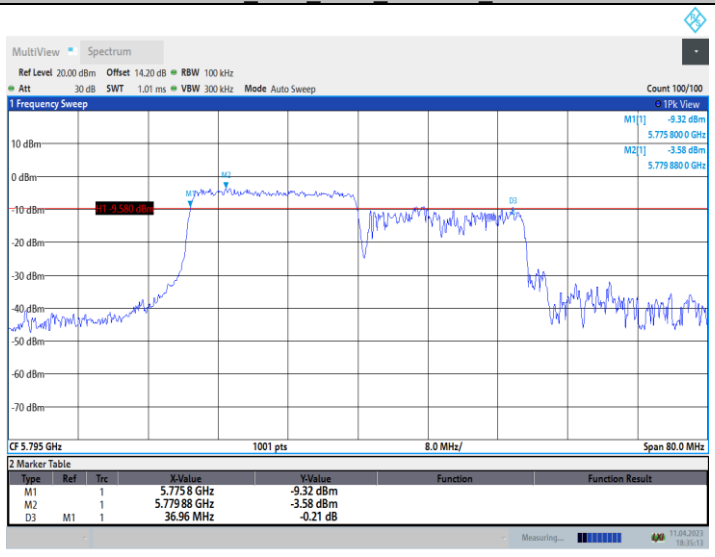
11AX40_Ant9_5795_52Tone_RU37



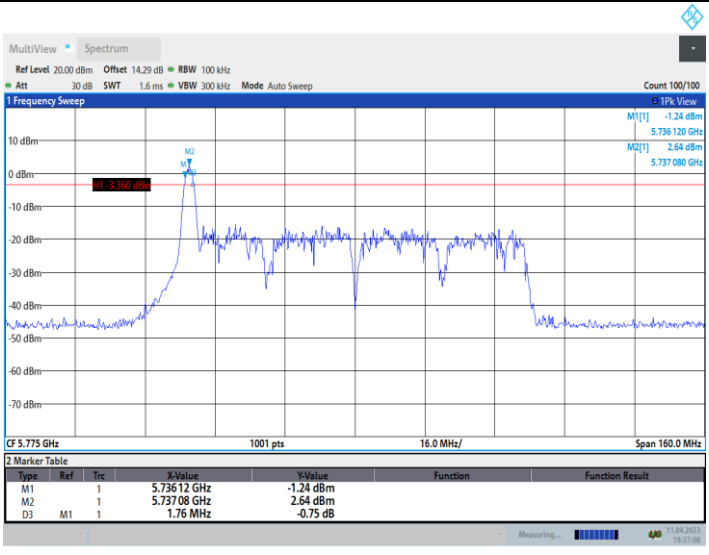
11AX40_Ant9_5795_106Tone_RU53



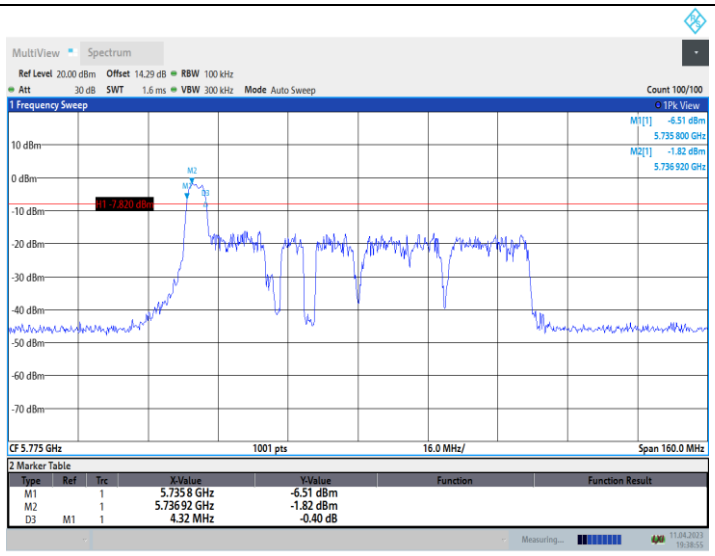
11AX40_Ant9_5795_242Tone_RU61



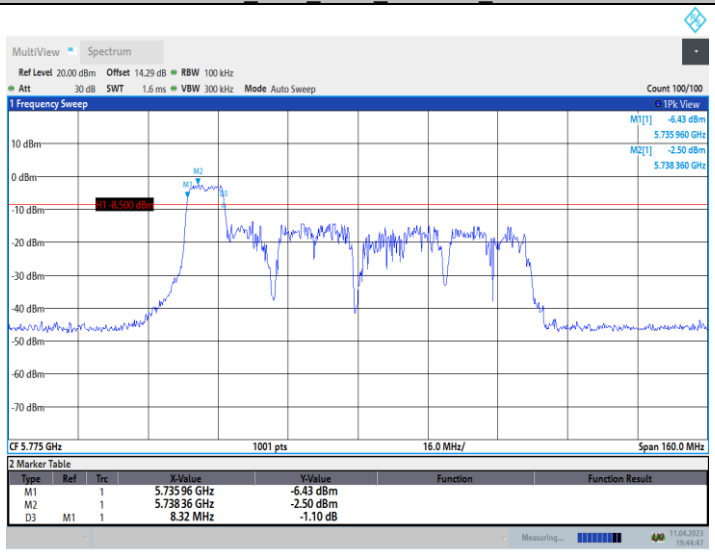
11AX80_Ant9_5775_26Tone_RU0



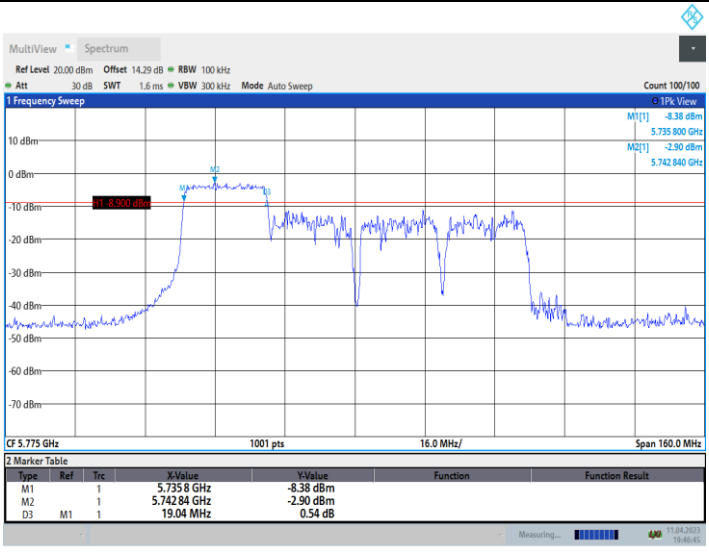
11AX80_Ant9_5775_52Tone_RU37



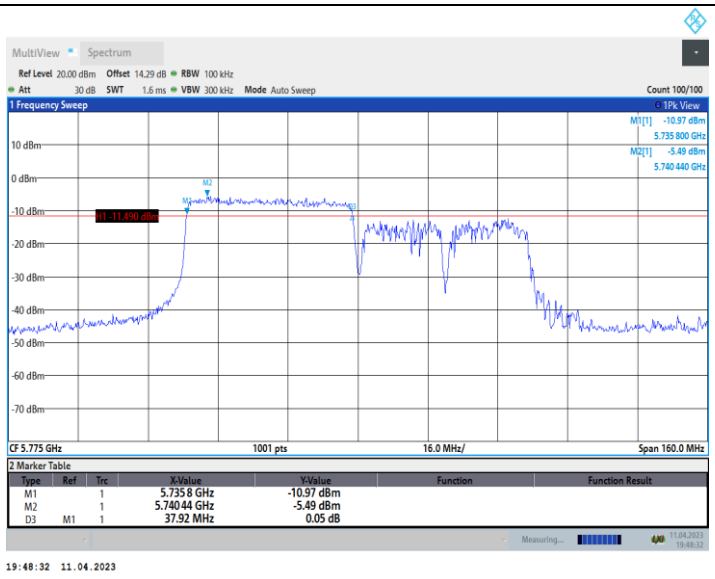
11AX80_Ant9_5775_106Tone_RU53



11AX80_Ant9_5775_242Tone_RU61

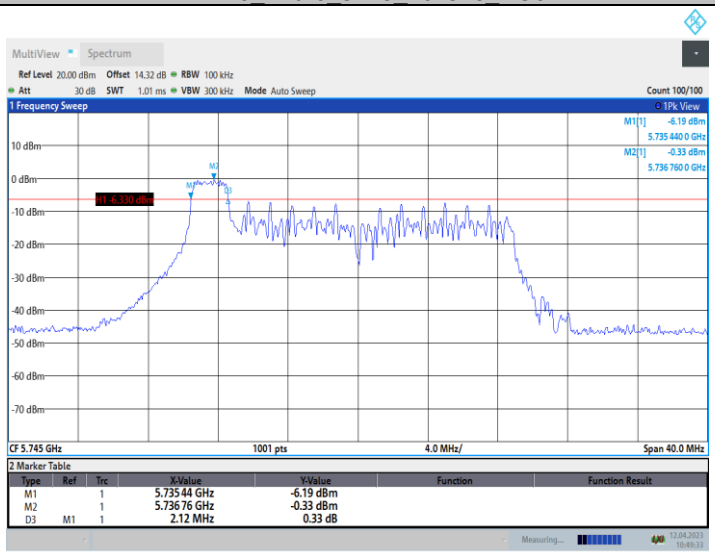


11AX80_Ant9_5775_484Tone_RU65


MultiView
Spectrum
Ref Level 20.00 dBm Offset 14.29 dB RBW 100 kHz
Att 30 dB SWT 1.6 ms VBW 300 kHz Mode Auto Sweep
Count 100/100
1 Frequency Sweep
1Pk View
M1[1] -10.97 dBm
5.735 800 GHz
M2[1] -5.49 dBm
5.740 440 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1 -11.490 dBm
CF 5.775 GHz
1001 pts
16.0 MHz/
Span 160.0 MHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 5.735 8 GHz -10.97 dBm
M2 1 5.740 44 GHz -5.49 dBm
D3 M1 1 37.92 MHz 0.05 dB
Measuring...
19:48:32 11.04.2023

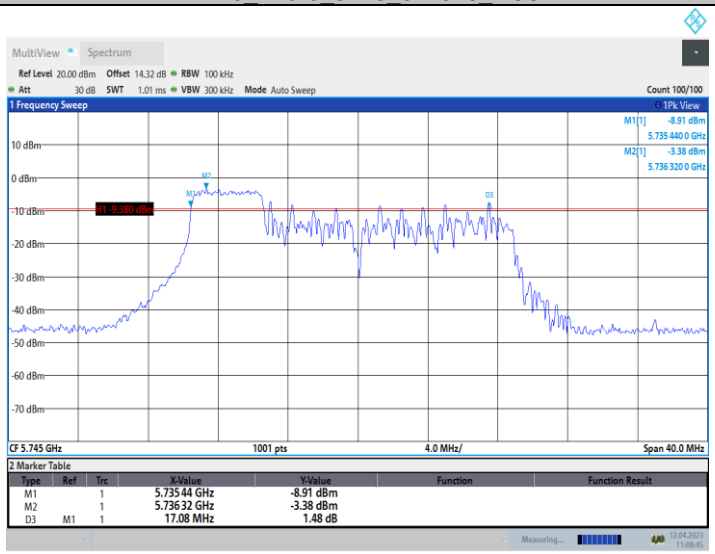
Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	6db BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20	Ant10	5745	26Tone	RU0	2.12	5735.44	5737.56	0.5	PASS
			52Tone	RU37	17.08	5735.44	5752.52	0.5	PASS
			106Tone	RU53	17.12	5735.44	5752.56	0.5	PASS
		5785	26Tone	RU0	2.12	5775.44	5777.56	0.5	PASS
			52Tone	RU37	17.00	5775.48	5792.48	0.5	PASS
			106Tone	RU53	17.08	5775.44	5792.52	0.5	PASS
		5825	26Tone	RU0	2.12	5815.44	5817.56	0.5	PASS
			52Tone	RU37	15.84	5815.44	5831.28	0.5	PASS
			106Tone	RU53	18.12	5815.40	5833.52	0.5	PASS
11AX40	Ant10	5755	26Tone	RU0	2.24	5735.88	5738.12	0.5	PASS
			52Tone	RU37	4.24	5735.88	5740.12	0.5	PASS
			106Tone	RU53	8.40	5735.88	5744.28	0.5	PASS
			242Tone	RU61	35.36	5735.88	5771.24	0.5	PASS
		5795	26Tone	RU0	2.24	5775.88	5778.12	0.5	PASS
			52Tone	RU37	4.24	5775.88	5780.12	0.5	PASS
			106Tone	RU53	8.48	5775.88	5784.36	0.5	PASS
			242Tone	RU61	35.28	5775.88	5811.16	0.5	PASS
11AX80	Ant10	5775	26Tone	RU0	2.08	5735.96	5738.04	0.5	PASS
			52Tone	RU37	4.32	5735.80	5740.12	0.5	PASS
			106Tone	RU53	8.48	5735.80	5744.28	0.5	PASS
			242Tone	RU61	18.88	5735.80	5754.68	0.5	PASS
			484Tone	RU65	45.76	5735.80	5781.56	0.5	PASS

11AX20_Ant10_5745_26Tone_RU0



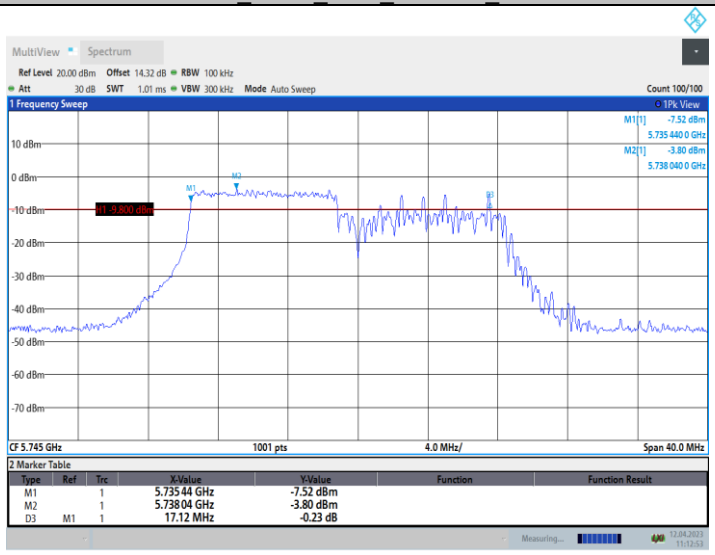
10:49:34 12.04.2023

11AX20_Ant10_5745_52Tone_RU37



11:08:46 12.04.2023

11AX20_Ant10_5745_106Tone_RU53



11:12:53 12.04.2023

11AX20_Ant10_5785_26Tone_RU0