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Report Template Version: V05
Report Template Revision Date: 2021-11-03

Test Report

Report No.: CQASZ20220801509E-04
Applicant: THINKCAR TECH CO., LTD.
Address of Applicant: 2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Longgang District, Shenzhen
Equipment Under Test (EUT):
Product: Modular Comprehensive Automotive Diagnostic Tool
Model No.: TKT16, THINKTOOL Euro Expert, THINKTOOL Platinum S12
Teat Model No.: TKT16
Brand Name: THINKCAR, XHINKCAR, MUCAR
FCC ID: 2AUARTKTOOL12
Standards: 47 CFR Part 15, Subpart E
ANSI C63.10-2013
KDB 789033 D02 General UNII Test Procedures New Rules v02
KDB 662911 D01 Multiple Transmitter Output v02r01
Date of Receipt: 2022-08-31
Date of Test: 2022-08-31 to 2022-09-20
Date of Issue: 2022-12-08
Test Result: **PASS***

*In the configuration tested, the EUT complied with the standards specified above

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20220801509E-04	Rev.01	Initial report	2022-12-08

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10-2013; KDB789033	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart E Section 15.207	ANSI C63.10-2013; KDB789033	PASS
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.407 (a)	ANSI C63.10-2013; KDB789033	PASS
Emission Bandwidth	47 CFR Part 15 Subpart C Section 15.407 (a)(e)	ANSI C63.10-2013; KDB789033	PASS
Maximum Power Spectral Density	47 CFR Part 15 Subpart E Section 15.407 (a)	ANSI C63.10-2013; KDB789033	PASS
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.209 & 15.407(b)	ANSI C63.10-2013; KDB789033	PASS
Frequency stability	47 CFR Part 15 Subpart E Section 15.407 (g)	ANSI C63.10-2013; KDB789033	PASS
Operation in the absence of information to the transmit	47 CFR Part 15 Subpart E Section 15.407 (c)	47 CFR Part 15 Subpart E	PASS
Radiated Spurious Emissions	47 CFR Part 15 Subpart E Section 15.407 (b)	ANSI C63.10-2013; KDB789033	PASS

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

3 Content

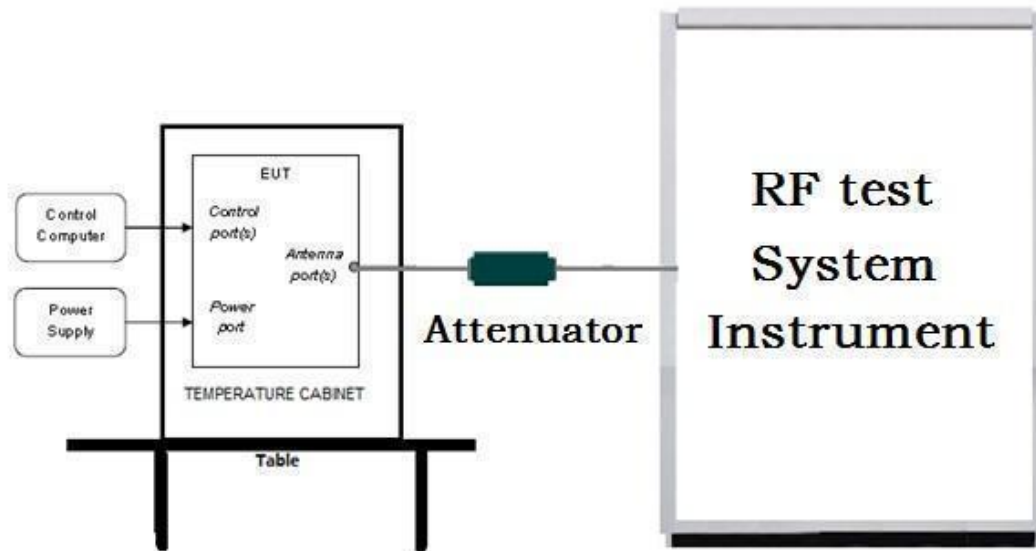
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4 Test Requirement

4.1 Test setup

4.1.1 For Conducted test setup



4.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

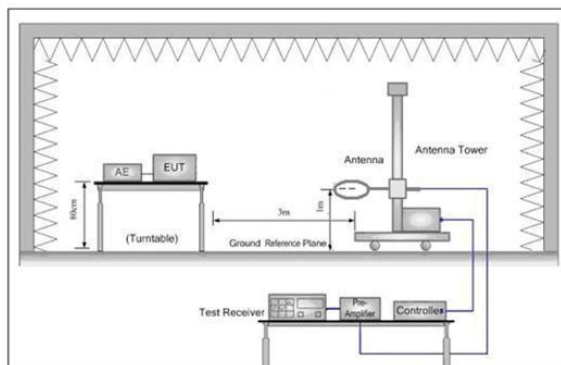


Figure 1. Below 30MHz

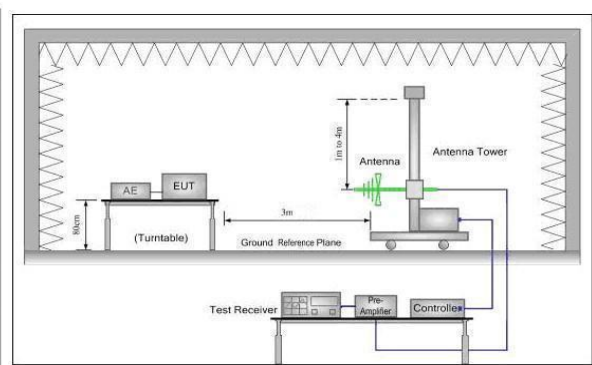


Figure 2. 30MHz to 1GHz

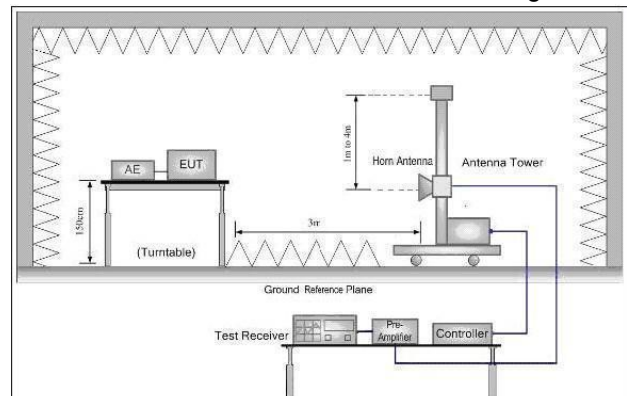
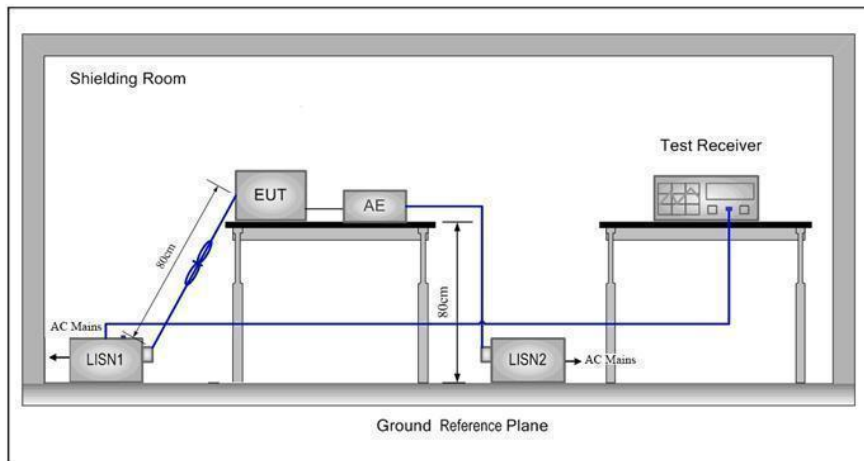


Figure 3. Above 1GHz

4.1.3 For Conducted Emissions test setup

Conducted Emissions setup



4.2 Test Environment

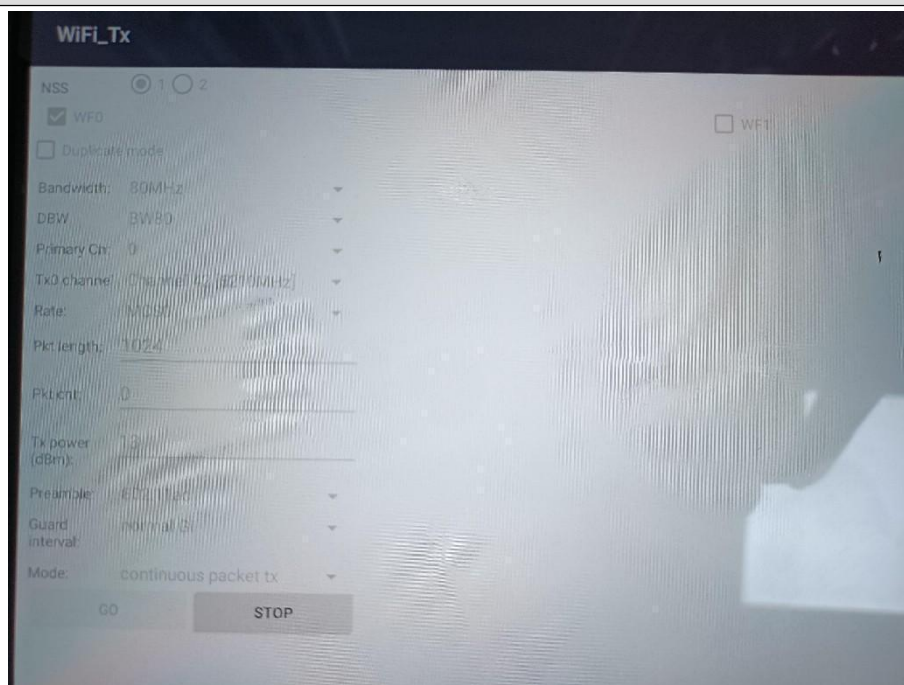
Operating Environment:		
Conducted Emissions:		
Temperature:	25.2 °C	
Humidity:	60 % RH	
Atmospheric Pressure:	1009 mbar	
Radiated Emissions:		
Temperature:	25.4 °C	
Humidity:	54 % RH	
Atmospheric Pressure:	1009mbar	
Radio conducted item test (RF Conducted test room):		
Temperature:	25.4 °C	
Humidity:	50 % RH	
Atmospheric Pressure:	1009 mbar	
Test Condition	Temperature (°C)	Voltage (V)
TN/VN	-10 to +50	7.6
TL/VL	-10	6.84
TH/VL	50	6.84
TL/VH	-10	8.36
TH/VH	50	8.36
Remark:		
1)The test extreme temperature is -10 °C to 50 °C and the test extreme voltage is 6.84V to 8.36V, The manufacturer specified maximum ambient temperature is -10 to 50 °C.		
2)VN: Normal Voltage; TN: Normal Temperature;		
TL: Low Extreme Test Temperature; TH: High Extreme Test Temperature;		
VL: Low Extreme Test Voltage; VH: High Extreme Test Voltage.		

4.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
802.11a/n/ac(20M)	5150MHz ~5250 MHz	Channel 36	Channel 44	Channel 48
		5180MHz	5220MHz	5240MHz
802.11n/ac(40M)	5150MHz ~5250 MHz	Channel 38	N/A	Channel 46
		5190MHz	N/A	5230MHz
802.11ac(80M)	5150MHz ~5250 MHz	N/A	Channel 42	N/A
		N/A	5210MHz	N/A
802.11a/n/ac(20M)	5725MHz ~5850 MHz	Channel 149	Channel 157	Channel 165
		5745MHz	5785MHz	5825MHz
802.11n/ac(40M)	5725MHz ~5850 MHz	Channel 151	N/A	Channel 159
		5755MHz	N/A	5795MHz
802.11ac(80M)	5725MHz ~5850 MHz	N/A	Channel 155	N/A
		N/A	5775MHz	N/A

Run Software:



Test mode:

Pre-scan under all rate at lowest channel for Ant1

Through Pre-scan, 6Mbps is the worst case of 802.11a (20M); MCS0 is the worst case of 802.11n (20M); MCS0 is the worst case of 802.11ac (20M); MCS0 is the worst case of 802.11n(40M); MCS0 is the worst case of 802.11ac (40M); MCS0 is the worst case of 802.11ac(80M).

5 General Information

5.1 Client Information

Applicant:	THINKCAR TECH CO., LTD.
Address of Applicant:	2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Longgang District, Shenzhen
Manufacturer:	THINKCAR TECH CO., LTD.
Address of Manufacturer:	2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Longgang District, Shenzhen
Factory:	THINKCAR TECH CO., LTD.
Address of Factory:	2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Longgang District, Shenzhen

5.2 General Description of EUT

Product Name:	Modular Comprehensive Automotive Diagnostic Tool
Model No.:	TKT16, THINKTOOL Euro Expert, THINKTOOL Platinum S12
Test Model No.:	TKT16
Trade Mark:	THINKCAR, XHINKCAR, MUCAR
Power Supply:	Li-ion battery: DC 7.6V 6300mAh, Charge by DC 5V for adapter
EUT Supports Radios application:	BT: 2402-2480MHz 2.4GHz: Wi-Fi: 802.11b/g/n(HT20): 2412MHz~2462MHz; 802.11n(HT40): 2422MHz~2452MHz 5GHz: Wi-Fi: U-NII-1: 5.15-5.25GHz; U-NII-3: 5.725-5.850GHz
EUT Type:	Client devices
Software Version:	V1.4 20220930-1448
Hardware Version:	BSK-Y19-V1A

5.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11a/n/ac(20M): 5150MHz ~5250 MHz IEEE802.11n/ac(40M): 5150MHz ~5250 MHz IEEE802.11ac(80M): 5150MHz ~5250 MHz IEEE 802.11a/n/ac(20M): 5725MHz ~5850 MHz IEEE802.11n/ac(40M): 5725MHz ~5850 MHz IEEE802.11ac(80M): 5725MHz ~5850 MHz
Channel Numbers:	IEEE 802.11a/n/ac(20M): 5150MHz ~5250MHz/ 4 channel IEEE 802.11n/ac(40M): 5150MHz ~5250MHz/ 2 channel IEEE 802.11ac(80M): 5150MHz ~5250MHz/ 1 channel IEEE 802.11a/n/ac(20M): 5725MHz ~5850MHz/ 5 channel IEEE 802.11n/ac(40M): 5725MHz ~5850MHz/ 2 channel IEEE 802.11ac(80M): 5725MHz ~5850MHz/ 1 channel
Type of Modulation:	OFDM
Sample Type:	☐ Mobile ☒ Portable ☐ Fix Location
Test Software of EUT:	android system
Antenna Type:	FPC antenna
Antenna gain:	5.1G:3.73dBi,5.8G:4.55dBi

5.4 Operation Frequency each of channel

For 802.11a/n/ac(20M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
36	5180MHz	44	5220MHz
40	5200MHz	48	5240MHz
For 802.11a/n/ac(20M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	Channel	Frequency
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz	NA	NA

For 802.11n/ac(40M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz
For 802.11n/ac(40M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

For 802.11ac(80M) Operation in the 5150MHz ~5250 MHz band			
Channel	Frequency	Channel	Frequency
42	5210MHz	NA	NA
For 802.11ac(80M) Operation in the 5725MHz ~5850 MHz band			
Channel	Frequency	Channel	Frequency
155	5775MHz	NA	NA

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

5.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua New District, Shenzhen, Guangdong, China

5.7 Test Facility

• A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

5.8 Deviation from Standards

None.

5.9 Abnormalities from Standard Conditions

None.

5.10 Other Information Requested by the Customer

None.

5.11 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	3×10^{-8}
2	RF power, conducted	0.86dB
3	Radiated Spurious emission test	5.12dB (Below 1GHz)
		4.6dB (Above 1GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.8°C
6	Humidity test	2.0%
7	DC power voltages	0.5%

6 Equipments List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2022/09/9	2023/09/08
Spectrum analyzer	R&S	FSU26	CQA-038	2022/09/9	2023/09/08
Spectrum analyzer	R&S	FSU40	CQA-075	2022/09/9	2023/09/08
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2022/09/9	2023/09/08
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2022/09/9	2023/09/08
Preamplifier	EMCI	EMC184055SE	CQA-089	2022/09/9	2023/09/08
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2021/09/16	2024/09/15
Bilog Antenna	R&S	HL562	CQA-011	2021/09/16	2024/09/15
Horn Antenna	R&S	HF906	CQA-012	2021/09/16	2024/09/15
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2021/09/16	2024/09/15
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2022/09/9	2023/09/08
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2022/09/9	2023/09/08
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2022/09/9	2023/09/08
Antenna Connector	CQA	RFC-01	CQA-080	2022/09/9	2023/09/08
Power Sensor	KEYSIGHT	U2021XA	CQA-30	2022/09/9	2023/09/08
N1918A Power Analysis Manager Power Panel	Agilent	N1918A	CQA-074	2022/09/9	2023/09/08
Power meter	R&S	NRVD	CQA-029	2022/09/9	2023/09/08
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2022/09/9	2023/09/08
EMI Test Receiver	R&S	ESR7	CQA-005	2022/09/9	2023/09/08
LISN	R&S	ENV216	CQA-003	2022/09/9	2023/09/08
Coaxial cable	CQA	N/A	CQA-C009	2022/09/9	2023/09/08
DC power	KEYSIGHT	E3631A	CQA-028	2022/09/9	2023/09/08

Test software:

	Manufacturer	Software brand
Radiated Emissions test software	Tonscend	JS1120-3
Conducted Emissions test software	Audix	e3
RF Conducted test software	Audix	e3

7 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15E	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
3	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01	Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) device part 15, subpart E
4	KDB 662911 D01 Multiple Transmitter Output v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band

Appendix A): Emission Bandwidth

26dB Emission bandwidth

Test Requirement: 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II C 1

6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)

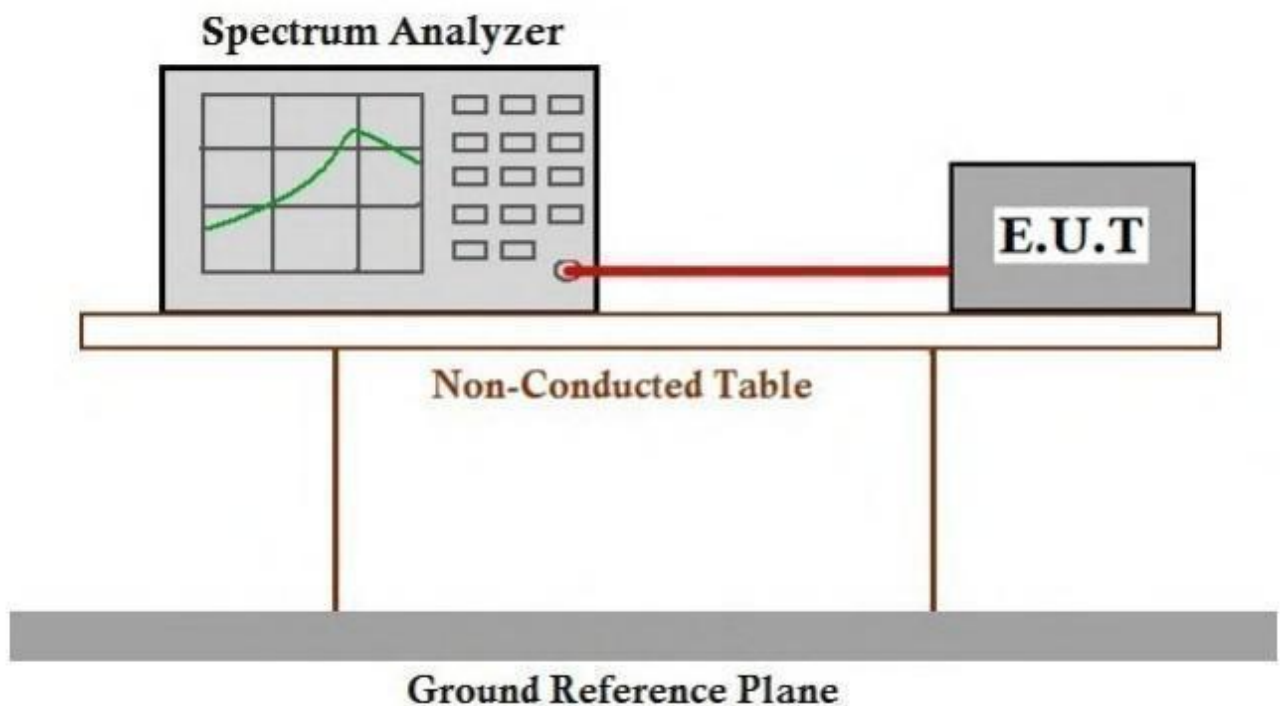
Test Method: KDB 789033 D02 II C 2

Limit: ≥ 500 kHz

Test Procedure:

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Test Setup Diagram

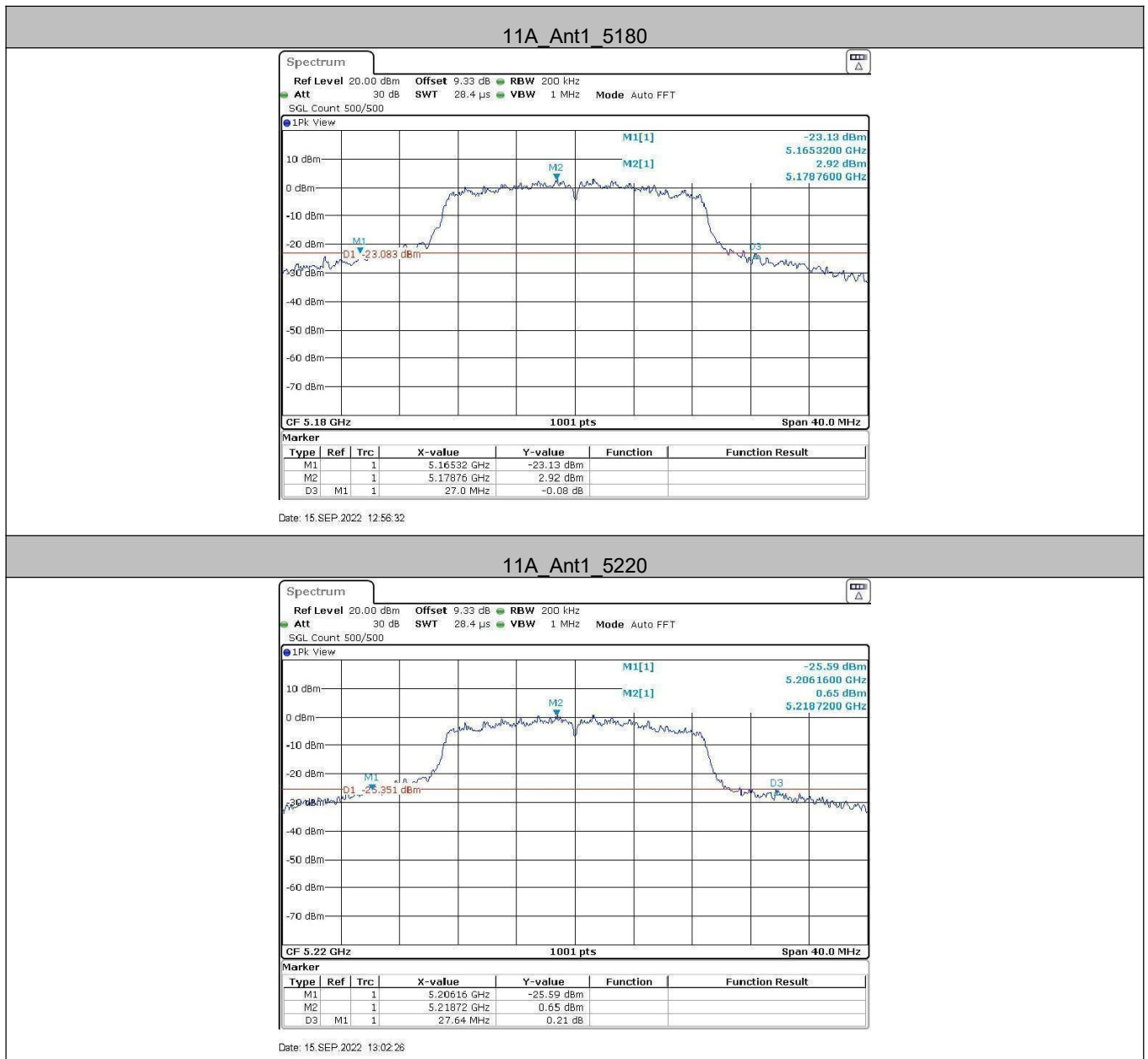


7.1 Appendix A1: Emission Bandwidth

7.1.1 Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	27.000	5165.320	5192.320	---	PASS
		5220	27.640	5206.160	5233.800	---	PASS
		5240	20.200	5229.920	5250.120	---	PASS
		5745	19.600	5735.160	5754.760	---	PASS
		5785	20.000	5775.120	5795.120	---	PASS
		5825	19.920	5814.960	5834.880	---	PASS
11N20SISO	Ant1	5180	24.160	5166.120	5190.280	---	PASS
		5220	20.760	5209.400	5230.160	---	PASS
		5240	20.160	5230.000	5250.160	---	PASS
		5745	20.160	5734.760	5754.920	---	PASS
		5785	20.160	5775.000	5795.160	---	PASS
		5825	20.200	5814.840	5835.040	---	PASS
11N40SISO	Ant1	5190	40.880	5169.280	5210.160	---	PASS
		5230	41.360	5209.120	5250.480	---	PASS
		5755	40.480	5734.520	5775.000	---	PASS
		5795	41.040	5774.440	5815.480	---	PASS
11AC20SISO	Ant1	5180	20.160	5169.840	5190.000	---	PASS
		5220	20.440	5209.800	5230.240	---	PASS
		5240	20.360	5229.920	5250.280	---	PASS
		5745	20.240	5734.880	5755.120	---	PASS
		5785	20.200	5774.960	5795.160	---	PASS
		5825	20.360	5814.840	5835.200	---	PASS
11AC40SISO	Ant1	5190	40.320	5169.760	5210.080	---	PASS
		5230	41.360	5209.200	5250.560	---	PASS
		5755	40.640	5734.680	5775.320	---	PASS
		5795	40.720	5774.680	5815.400	---	PASS
11AC80SISO	Ant1	5210	80.960	5168.880	5249.840	---	PASS
		5775	80.800	5734.200	5815.000	---	PASS

7.1.2 Test Graphs

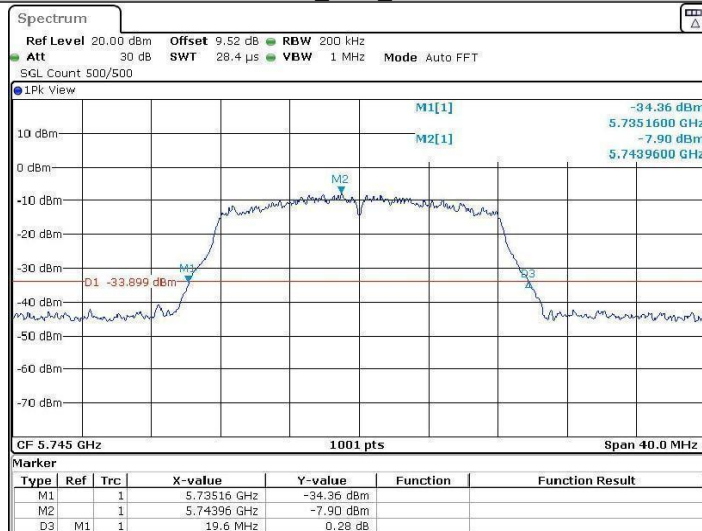


11A_Ant1_5240



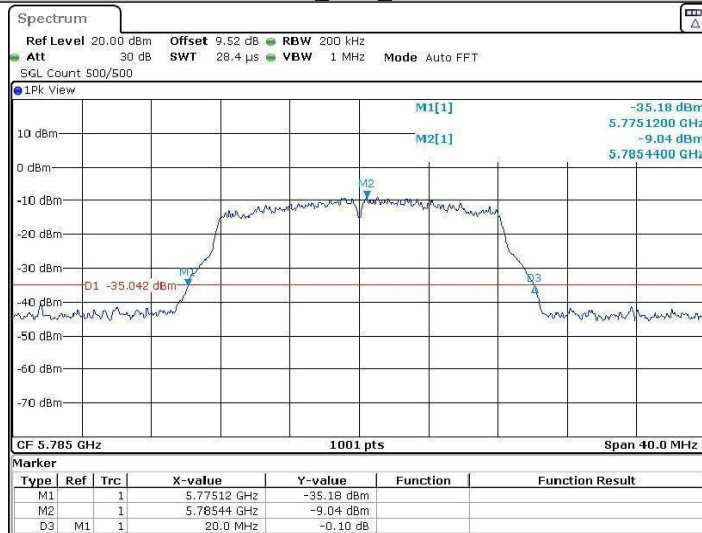
Date: 15 SEP. 2022 13:07:03

11A_Ant1_5745



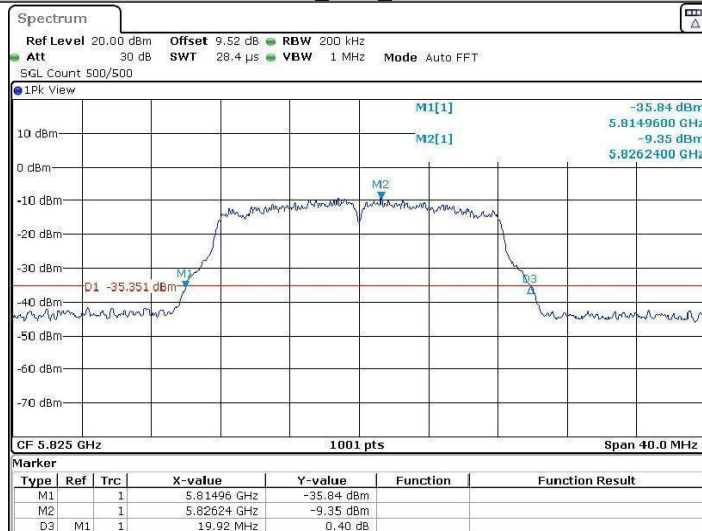
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11A_Ant1_5785



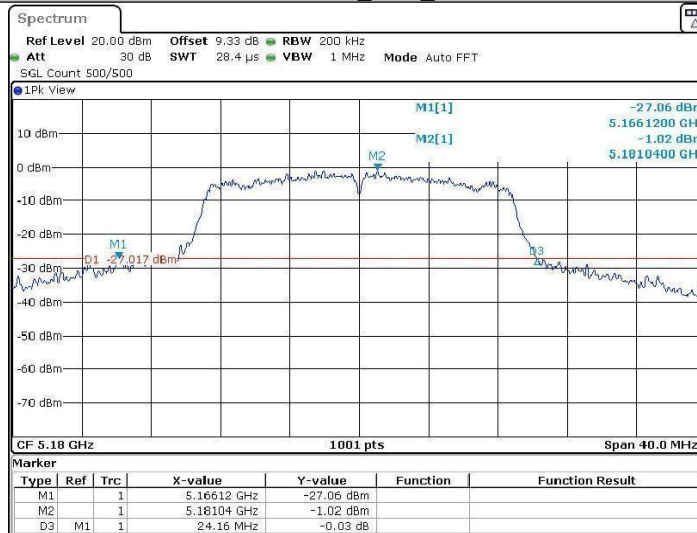
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11A_Ant1_5825



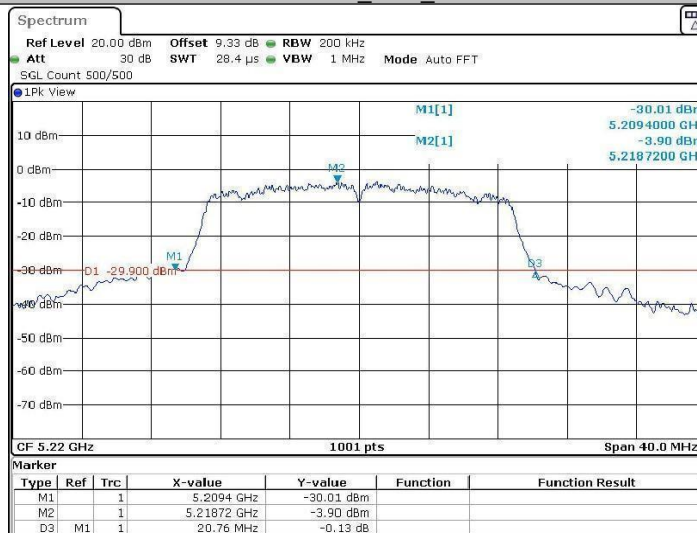
Date: 20 SEP.2022 03:24:38

11N20SISO_Ant1_5180



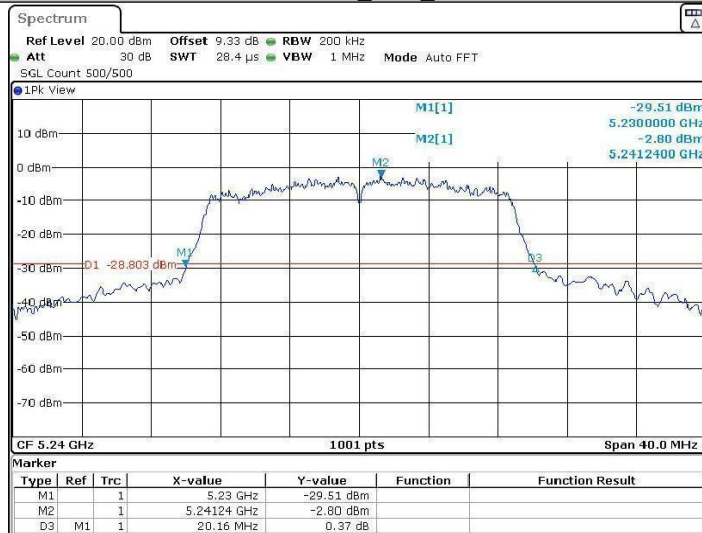
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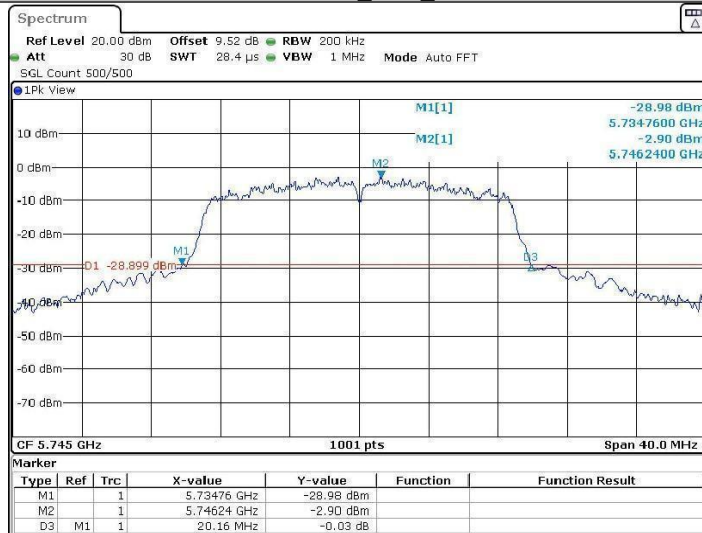
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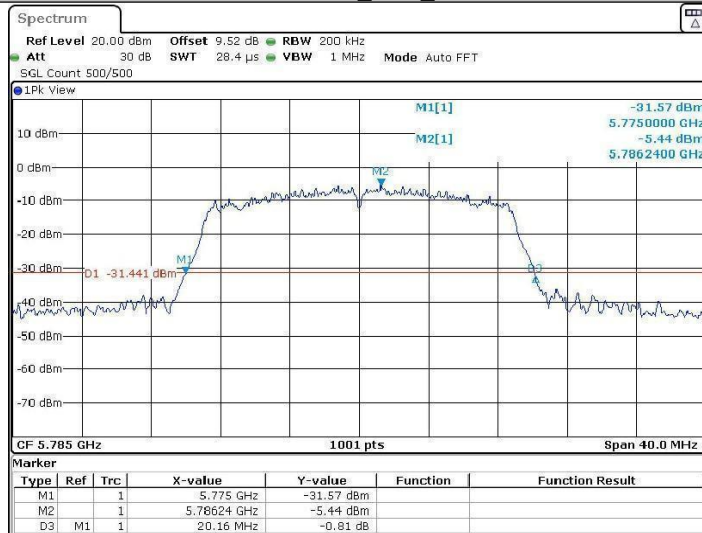
Date: 16 SEP.2022 02:18:23

11N20SISO_Ant1_5745



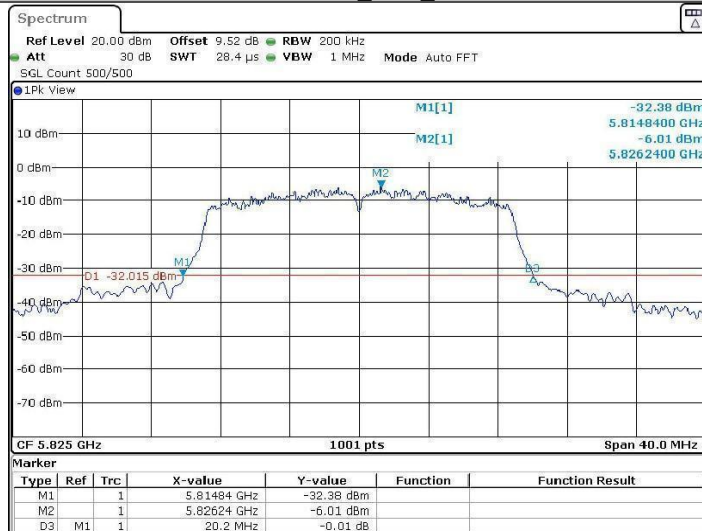
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11N20SISO_Ant1_5785



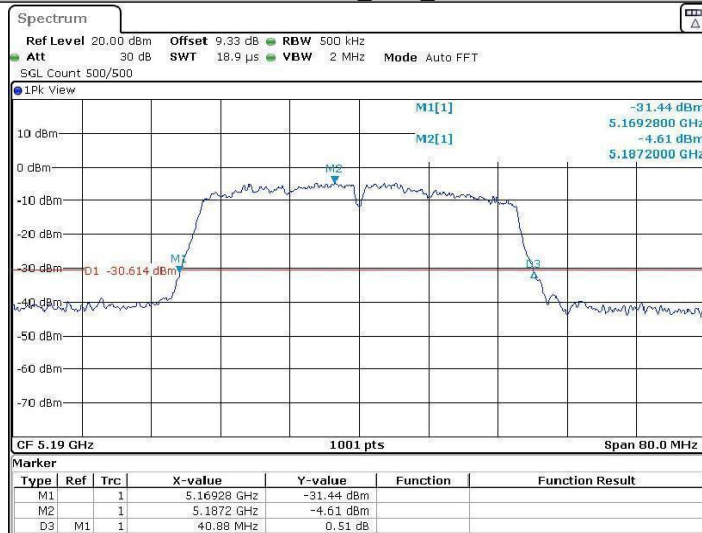
Date: 16 SEP.2022 02:30:22

11N20SISO_Ant1_5825



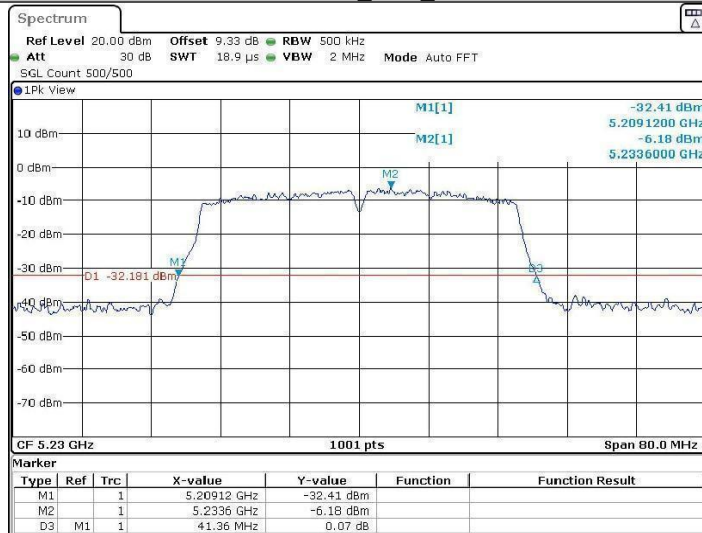
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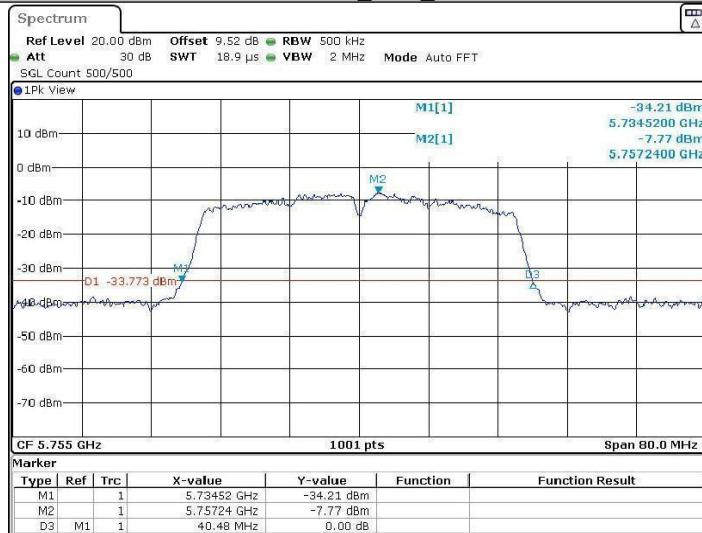
Date: 19 SEP.2022 09:36:28

11N40SISO_Ant1_5230



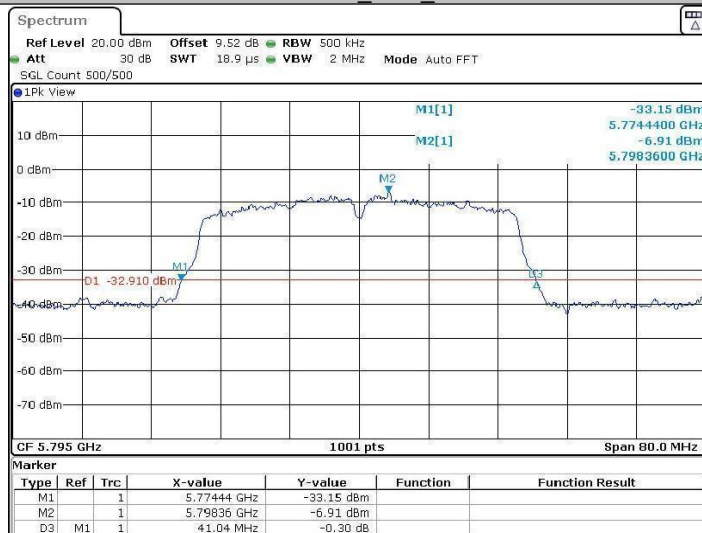
Date: 19 SEP.2022 09:42:53

11N40SISO_Ant1_5755



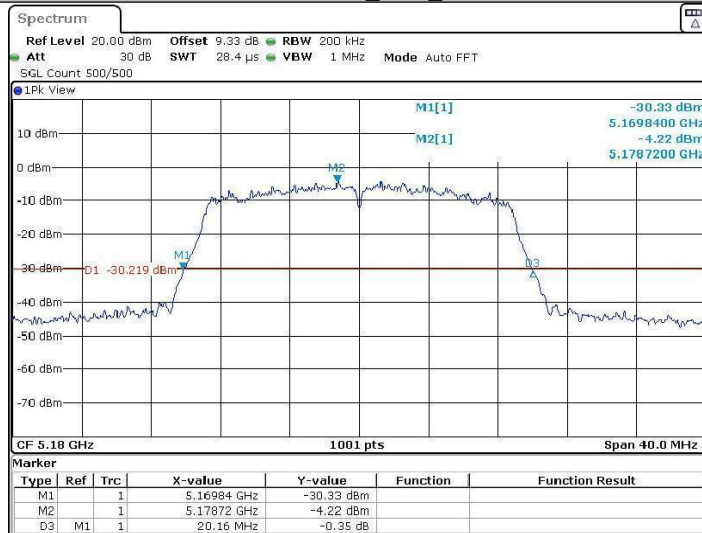
Date: 19 SEP.2022 09:48:51

11N40SISO_Ant1_5795



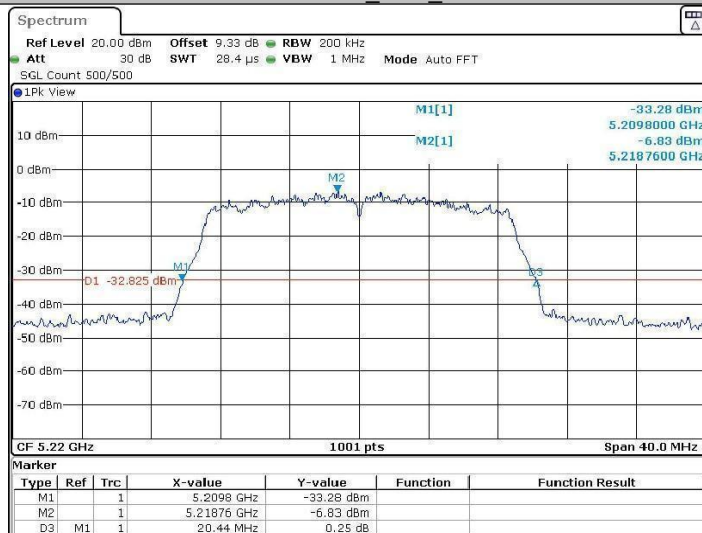
Date: 19 SEP.2022 09:54:51

11AC20SISO_Ant1_5180



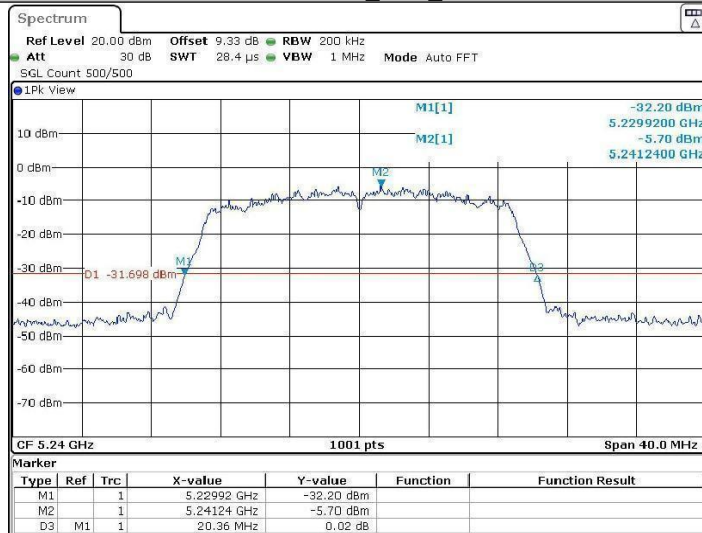
Date: 19 SEP.2022 10:02:46

11AC20SISO_Ant1_5220



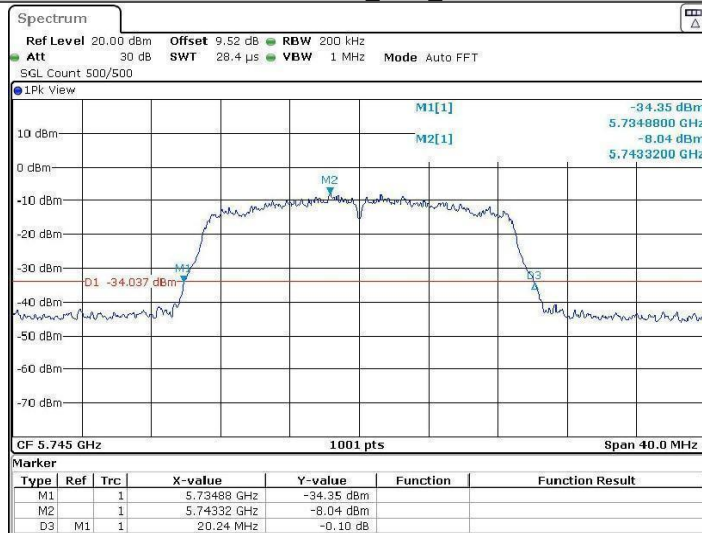
Date: 19 SEP.2022 10:08:38

11AC20SISO_Ant1_5240



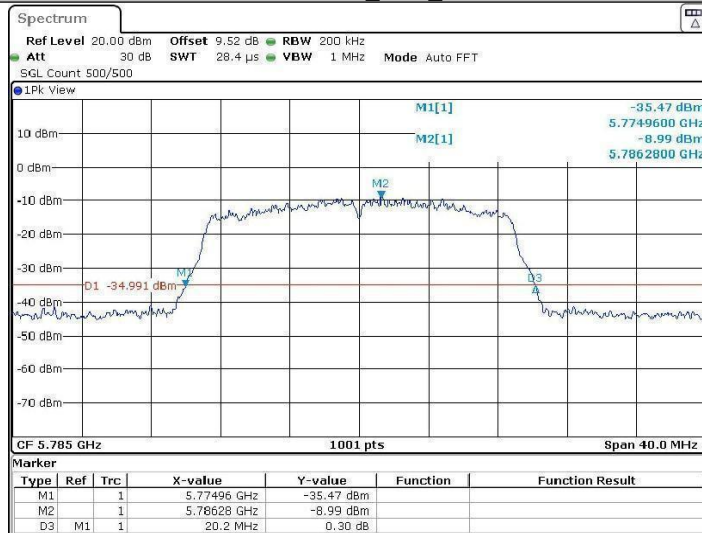
Date: 19 SEP.2022 11:14:52

11AC20SISO_Ant1_5745



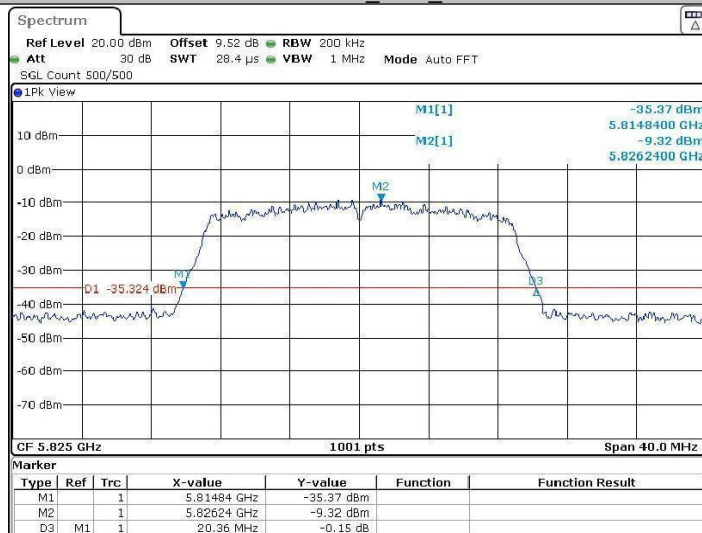
Date: 19 SEP.2022 12:12:00

11AC20SISO_Ant1_5785



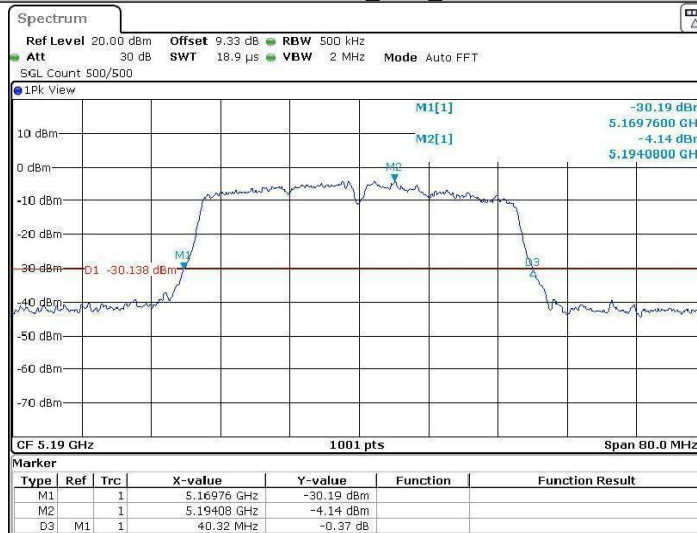
Date: 19 SEP. 2022 12:14:48

11AC20SISO_Ant1_5825



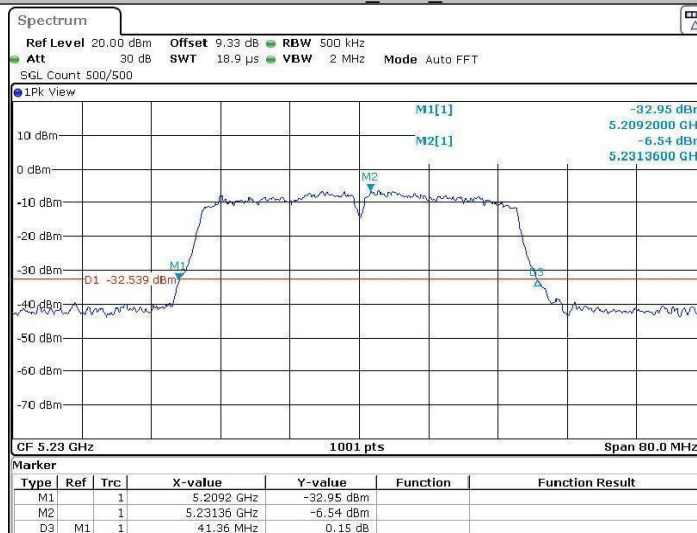
Date: 19 SEP. 2022 12:16:23

11AC40SISO_Ant1_5190



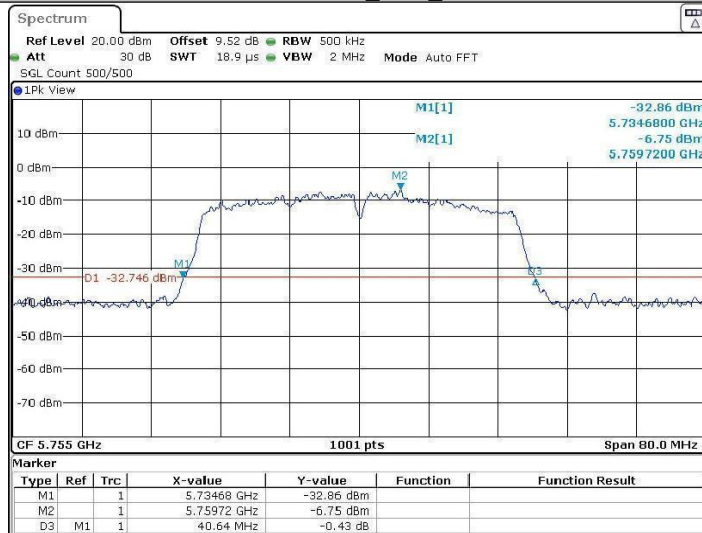
Date: 19 SEP.2022 12:19:16

11AC40SISO_Ant1_5230



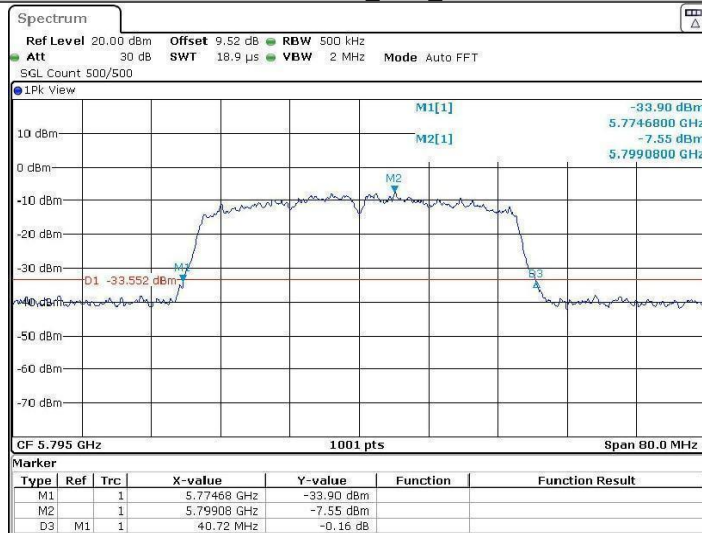
Date: 19 SEP.2022 12:22:22

11AC40SISO_Ant1_5755



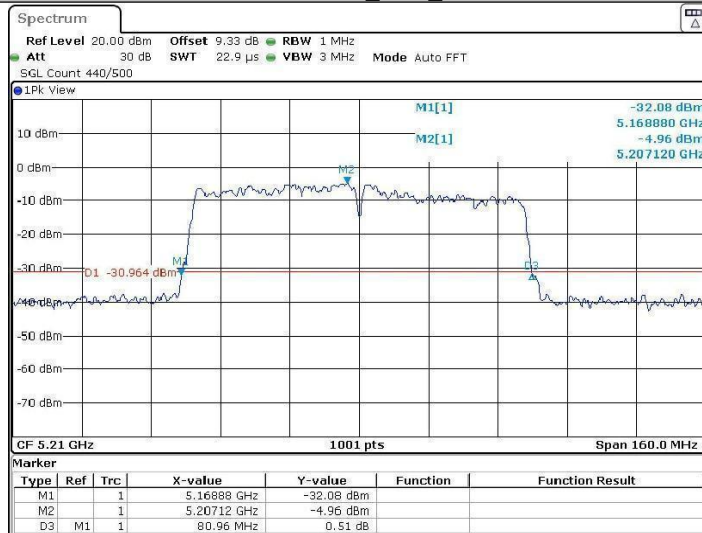
Date: 19 SEP.2022 12:25:15

11AC40SISO_Ant1_5795



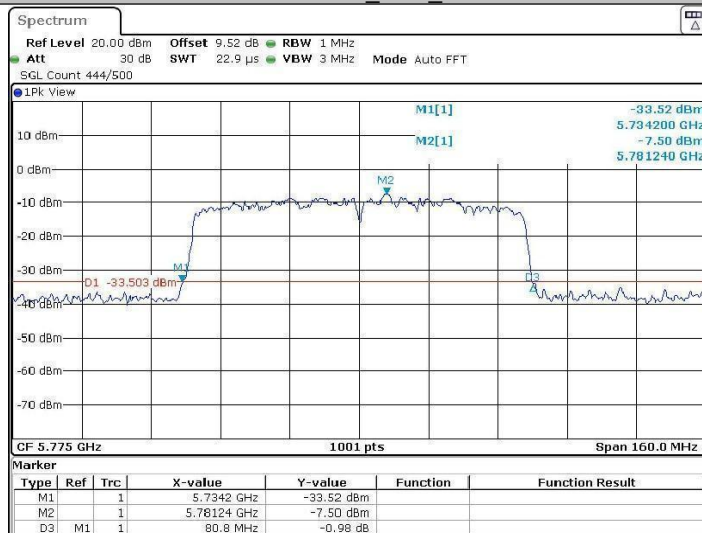
Date: 19 SEP.2022 12:27:59

11AC80SISO_Ant1_5210



Date: 19 SEP.2022 12:30:51

11AC80SISO_Ant1_5775



Date: 19 SEP.2022 12:34:42

7.2 Appendix A2: Occupied channel bandwidth

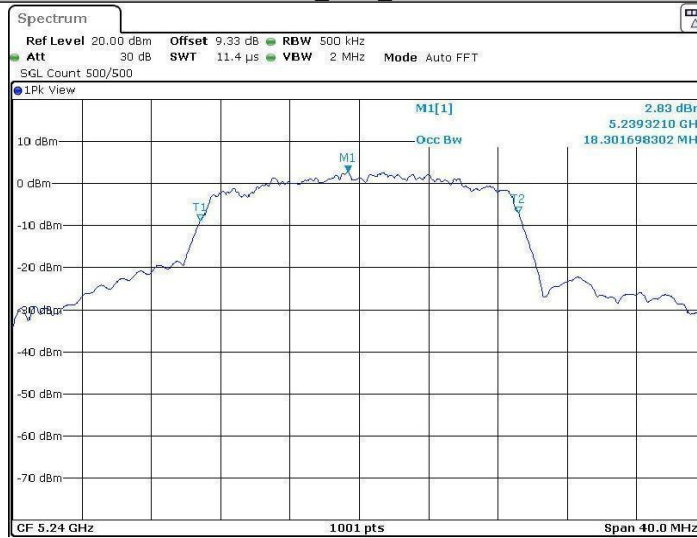
7.2.1 Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.342	5170.849	5189.191	---	PASS
		5220	18.941	5210.210	5229.151	---	PASS
		5240	18.302	5230.849	5249.151	---	PASS
		5745	16.823	5736.608	5753.432	---	PASS
		5785	16.983	5776.688	5793.671	---	PASS
		5825	17.023	5816.489	5833.511	---	PASS
11N20SISO	Ant1	5180	18.182	5170.849	5189.031	---	PASS
		5220	18.102	5210.849	5228.951	---	PASS
		5240	18.022	5231.129	5249.151	---	PASS
		5745	17.942	5735.969	5753.911	---	PASS
		5785	17.822	5776.129	5793.951	---	PASS
		5825	18.022	5816.049	5834.071	---	PASS
11N40SISO	Ant1	5190	36.284	5171.778	5208.062	---	PASS
		5230	36.284	5211.858	5248.142	---	PASS
		5755	36.124	5736.938	5773.062	---	PASS
		5795	36.044	5777.018	5813.062	---	PASS
11AC20SISO	Ant1	5180	18.022	5170.849	5188.871	---	PASS
		5220	17.902	5211.089	5228.991	---	PASS
		5240	17.702	5231.249	5248.951	---	PASS
		5745	17.982	5736.049	5754.031	---	PASS
		5785	17.822	5776.049	5793.871	---	PASS
		5825	17.942	5816.009	5833.951	---	PASS
11AC40SISO	Ant1	5190	36.044	5171.778	5207.822	---	PASS
		5230	36.444	5211.858	5248.302	---	PASS
		5755	36.044	5736.938	5772.982	---	PASS
		5795	35.964	5777.018	5812.982	---	PASS
11AC80SISO	Ant1	5210	76.084	5171.638	5247.722	---	PASS
		5775	76.084	5736.958	5813.042	---	PASS

7.2.2 Test Graphs

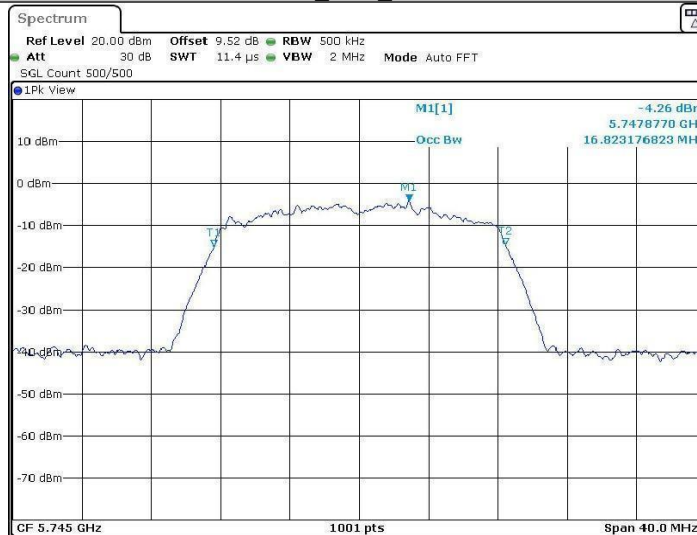


11A_Ant1_5240



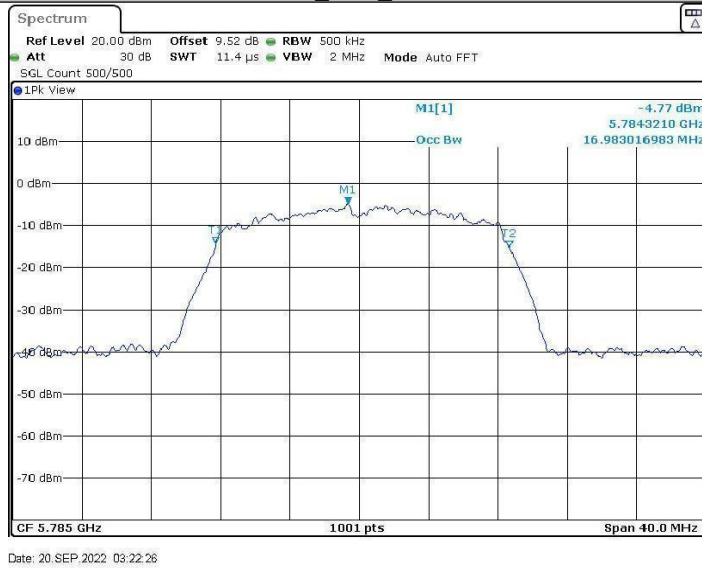
Date: 15 SEP.2022 13:07:13

11A_Ant1_5745

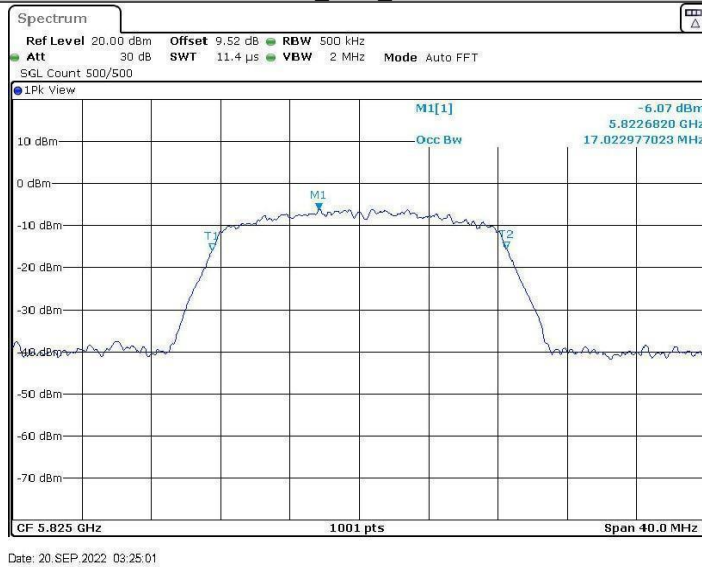


Date: 20 SEP.2022 03:19:31

11A_Ant1_5785



11A_Ant1_5825

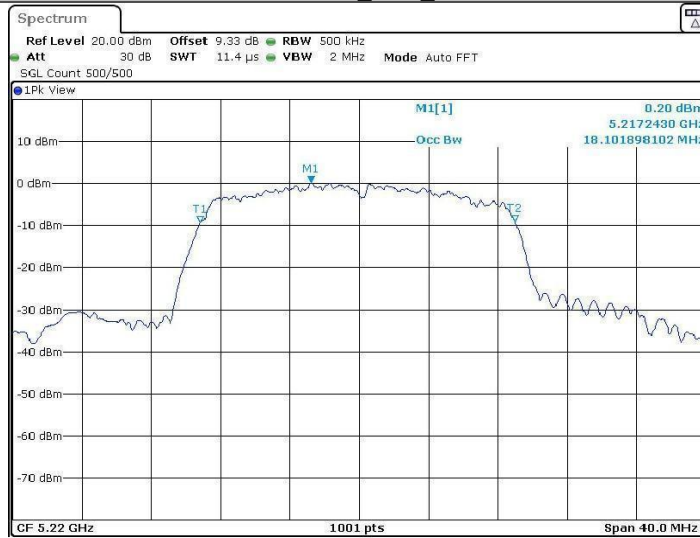


11N20SISO_Ant1_5180



Date: 16 SEP.2022 02:08:01

11N20SISO_Ant1_5220



Date: 16 SEP.2022 02:13:54

11N20SISO_Ant1_5240



Date: 16 SEP.2022 02:18:33

11N20SISO_Ant1_5745



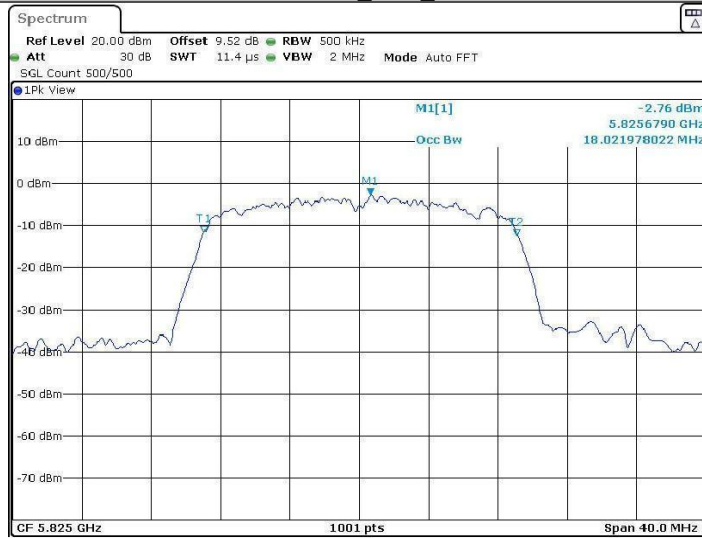
Date: 16 SEP.2022 02:24:46

11N20SISO_Ant1_5785



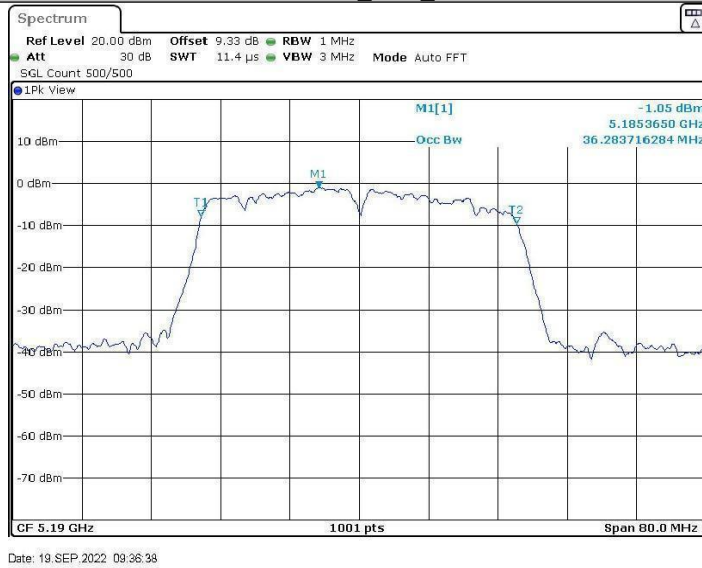
Date: 16 SEP.2022 02:30:44

11N20SISO_Ant1_5825

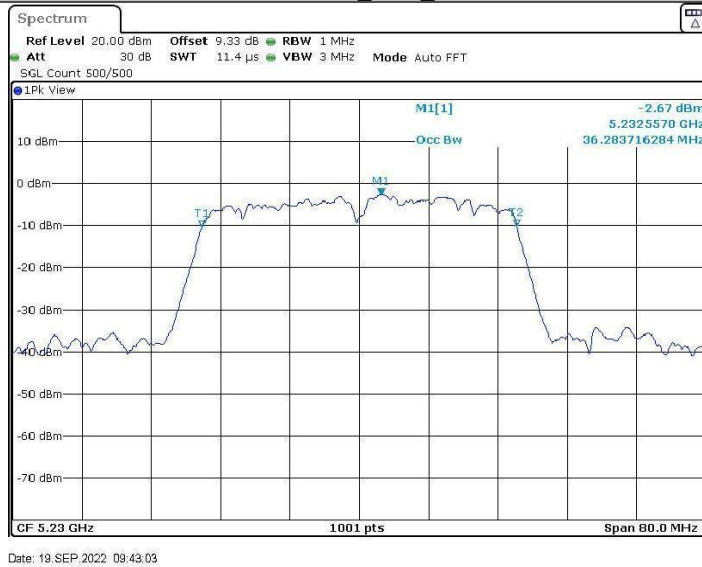


Date: 16 SEP.2022 02:41:03

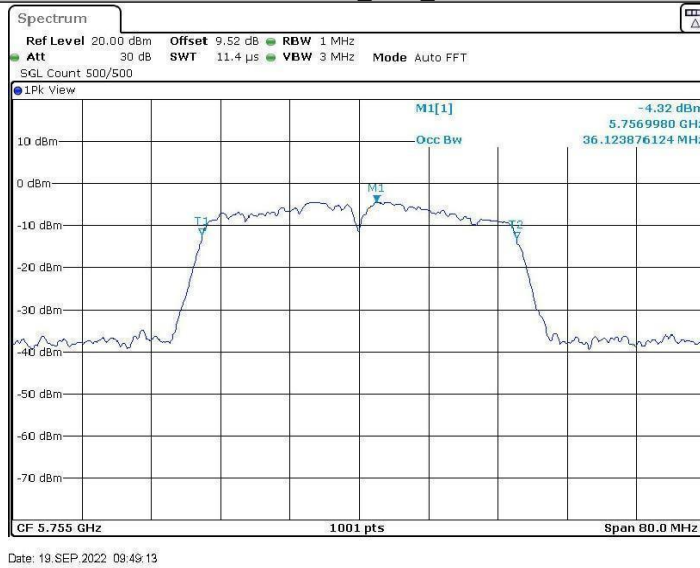
11N40SISO_Ant1_5190



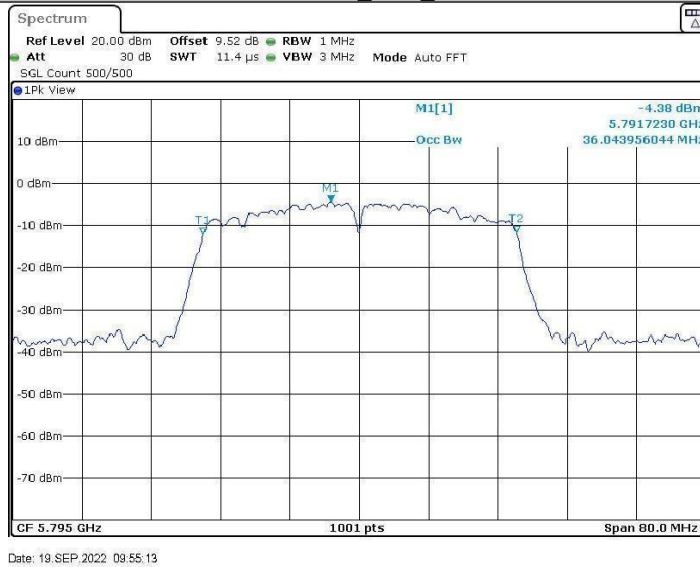
11N40SISO_Ant1_5230



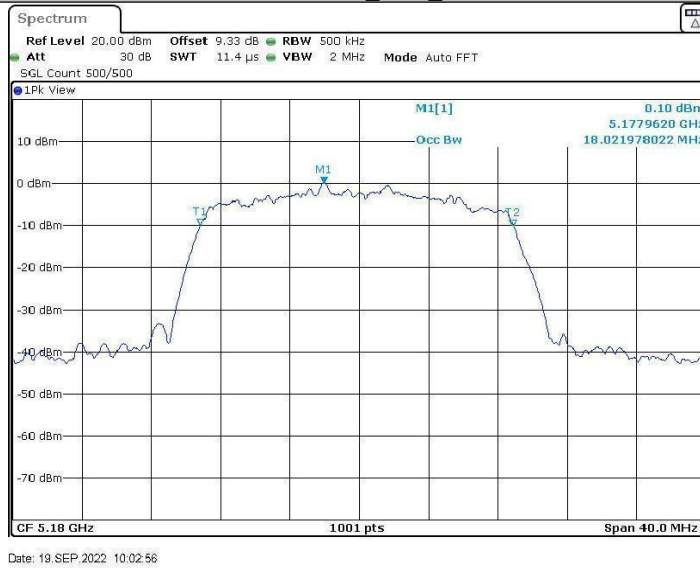
11N40SISO_Ant1_5755



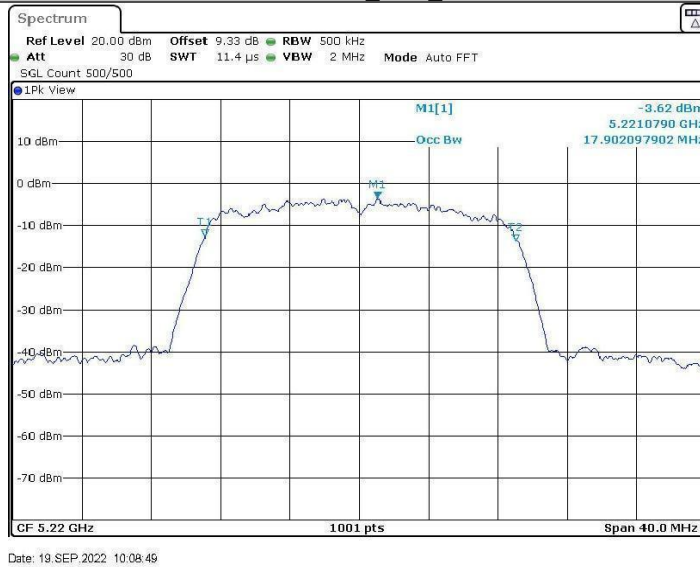
11N40SISO_Ant1_5795



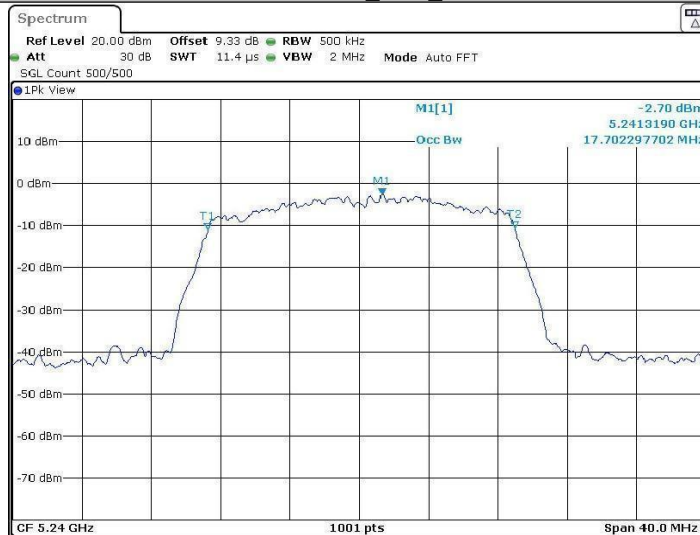
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220

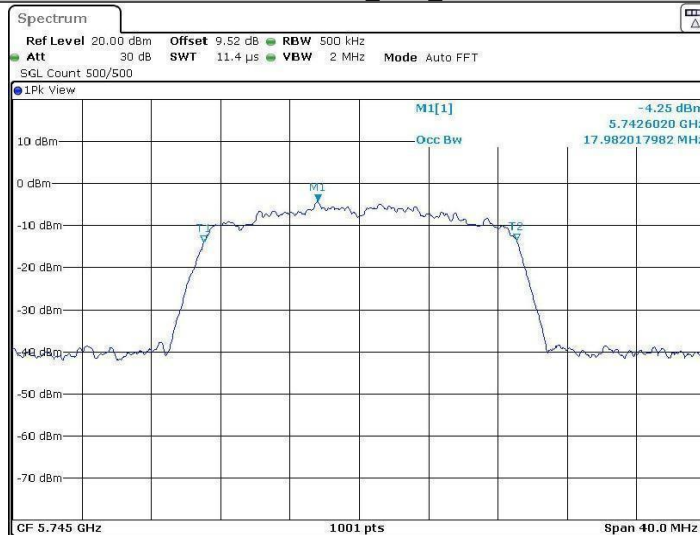


11AC20SISO_Ant1_5240



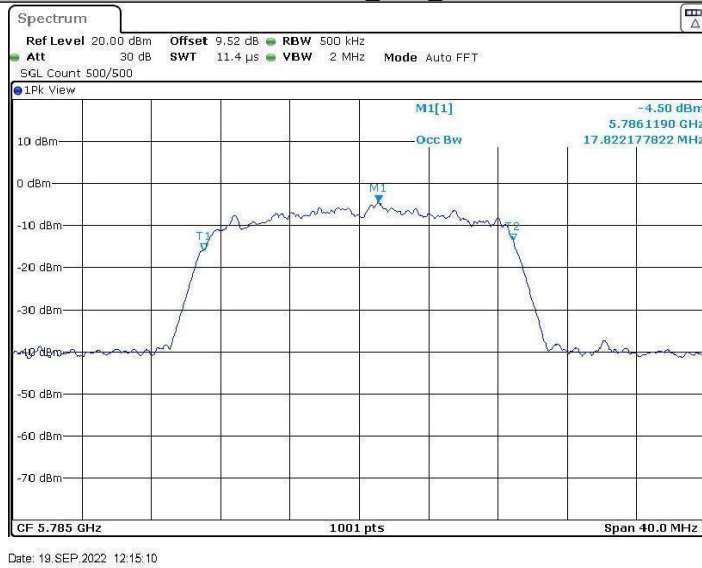
Date: 19 SEP.2022 11:15:02

11AC20SISO_Ant1_5745

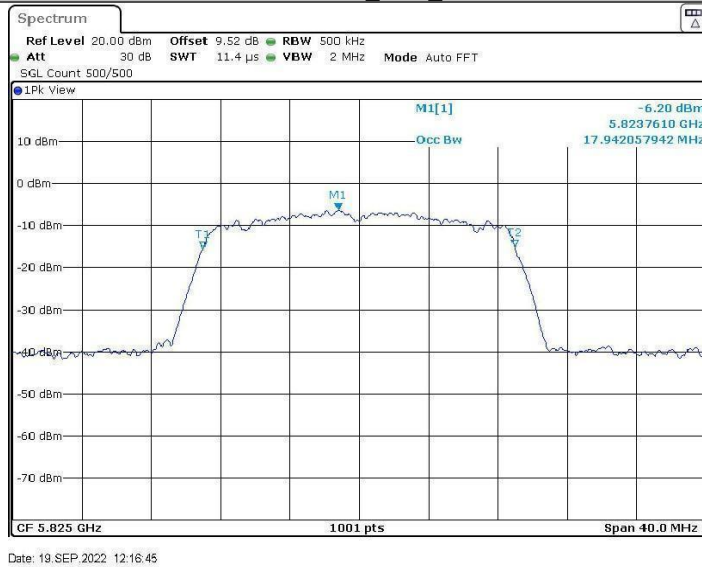


Date: 19 SEP.2022 12:12:22

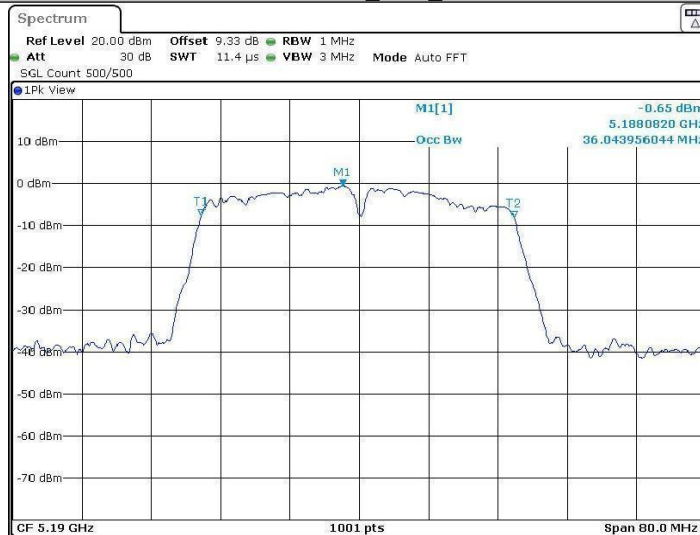
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

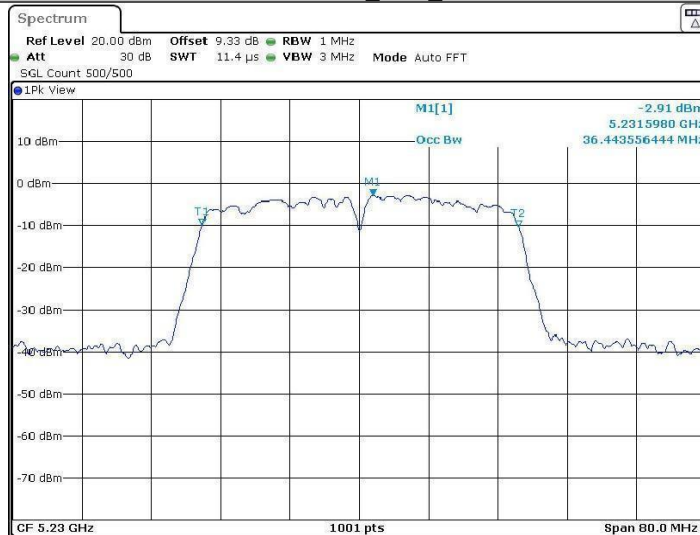


11AC40SISO_Ant1_5190



Date: 19 SEP.2022 12:19:28

11AC40SISO_Ant1_5230



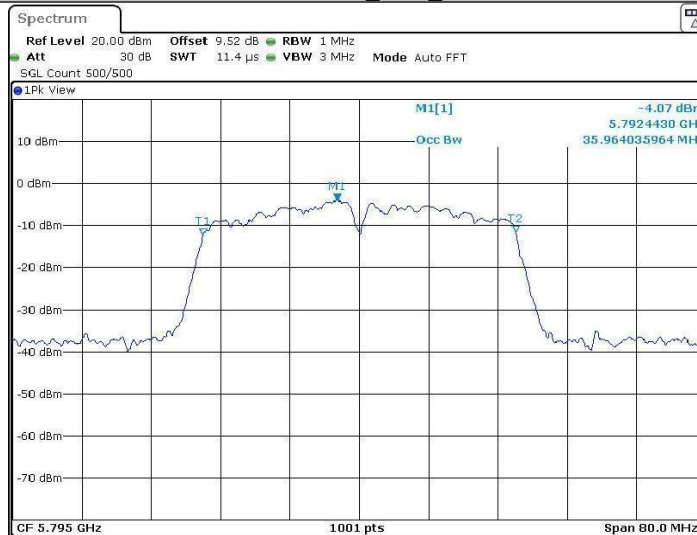
Date: 19 SEP.2022 12:22:32

11AC40SISO_Ant1_5755



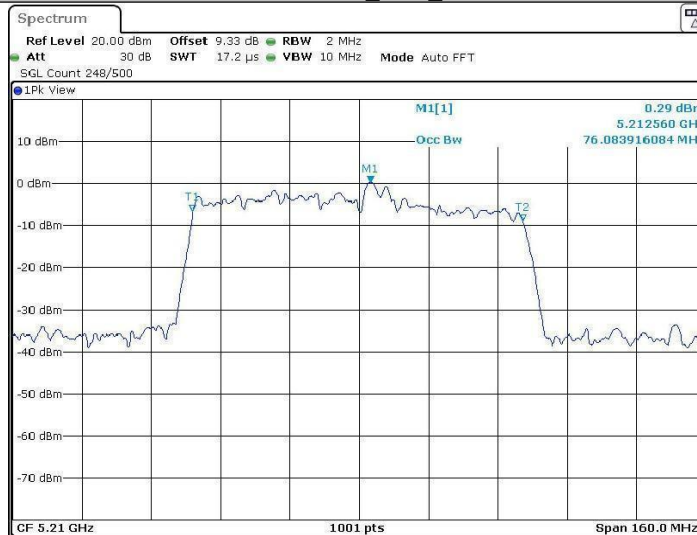
Date: 19 SEP.2022 12:25:37

11AC40SISO_Ant1_5795



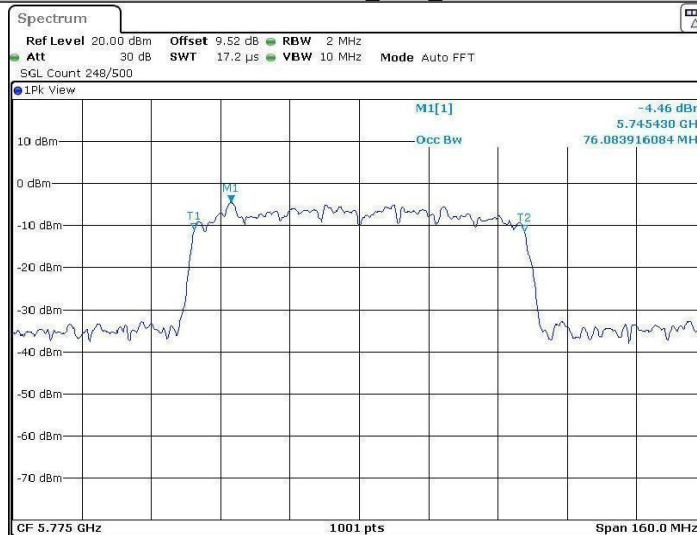
Date: 19 SEP.2022 12:28:21

11AC80SISO_Ant1_5210



Date: 19 SEP.2022 12:31:02

11AC80SISO_Ant1_5775



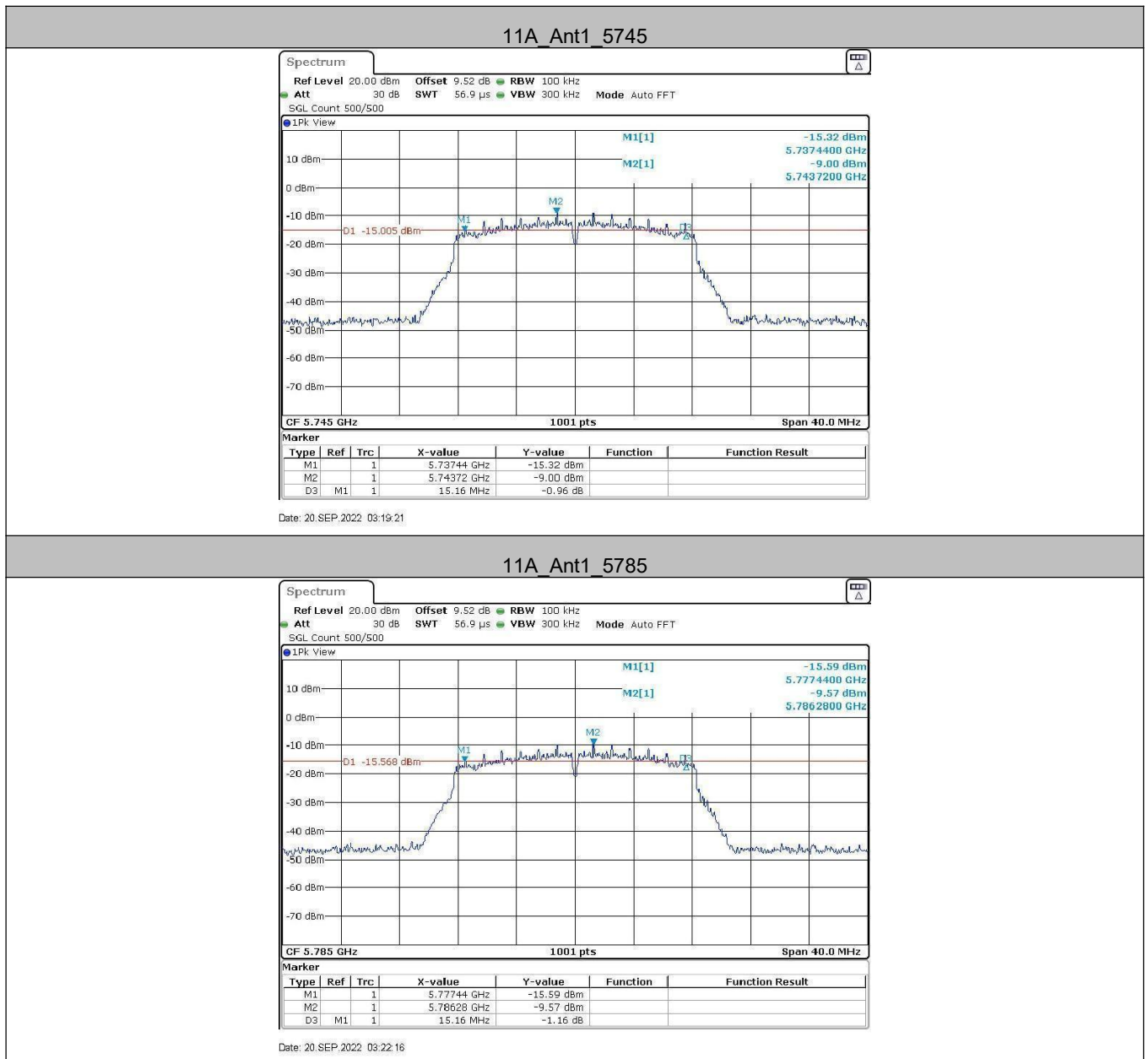
Date: 19 SEP.2022 12:35:04

7.3 Appendix A3: Min emission bandwidth

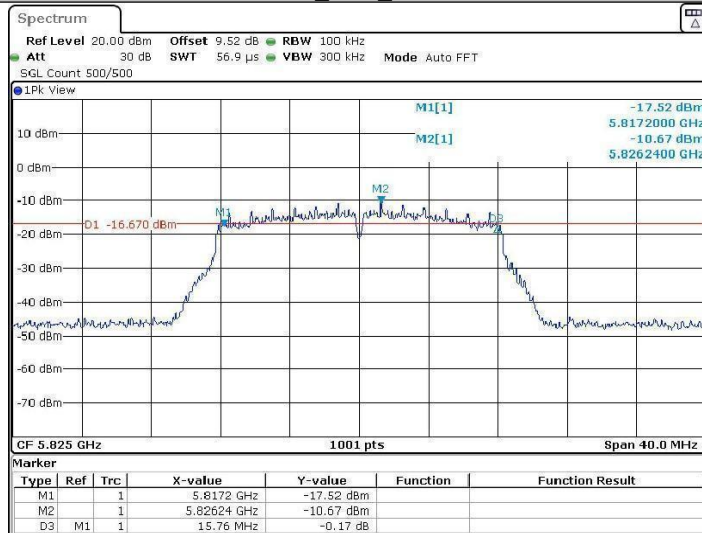
7.3.1 Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.160	5737.440	5752.600	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.760	5817.200	5832.960	0.5	PASS
11N20SISO	Ant1	5745	17.240	5736.560	5753.800	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	15.760	5737.400	5753.160	0.5	PASS
		5785	16.160	5777.400	5793.560	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC80SISO	Ant1	5775	72.960	5739.800	5812.760	0.5	PASS

7.3.2 Test Graphs

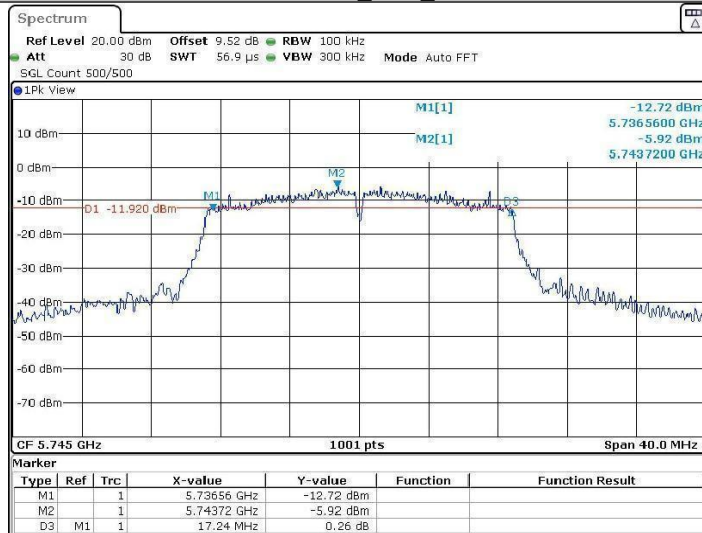


11A_Ant1_5825



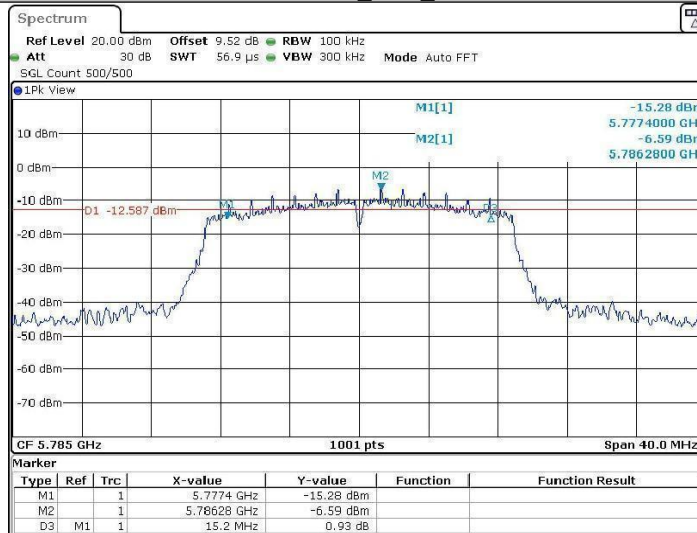
Date: 20 SEP. 2022 03:24:50

11N20SISO_Ant1_5745



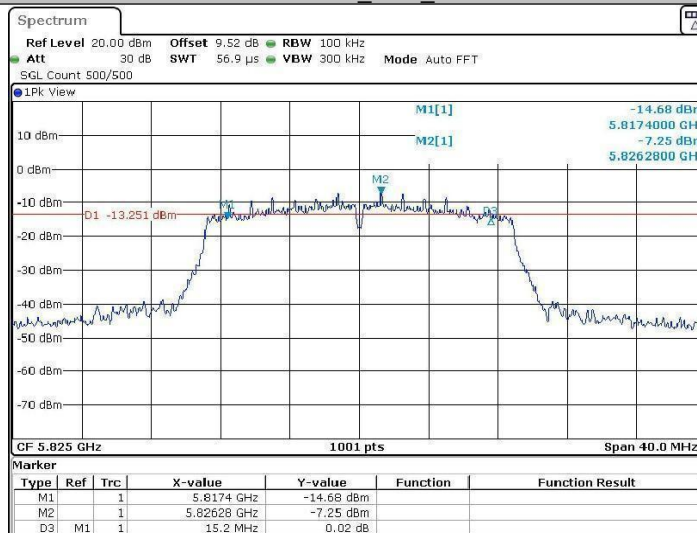
Date: 16 SEP. 2022 02:24:36

11N20SISO_Ant1_5785



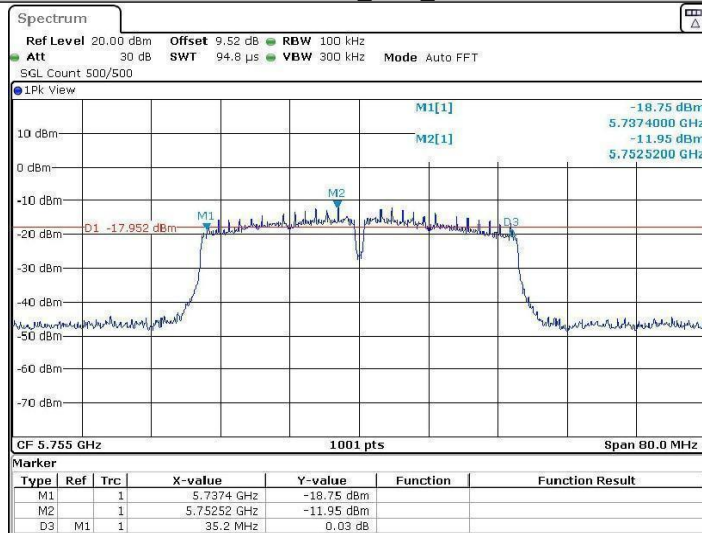
Date: 16 SEP. 2022 02:30:34

11N20SISO_Ant1_5825



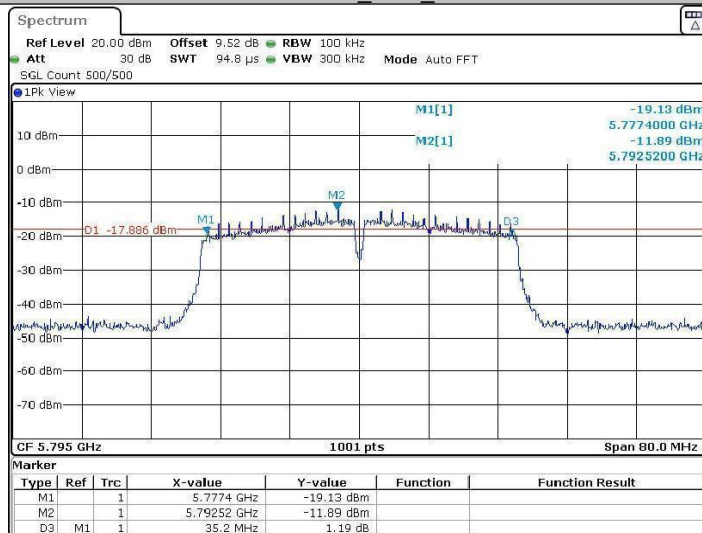
Date: 16 SEP. 2022 02:40:53

11N40SISO_Ant1_5755



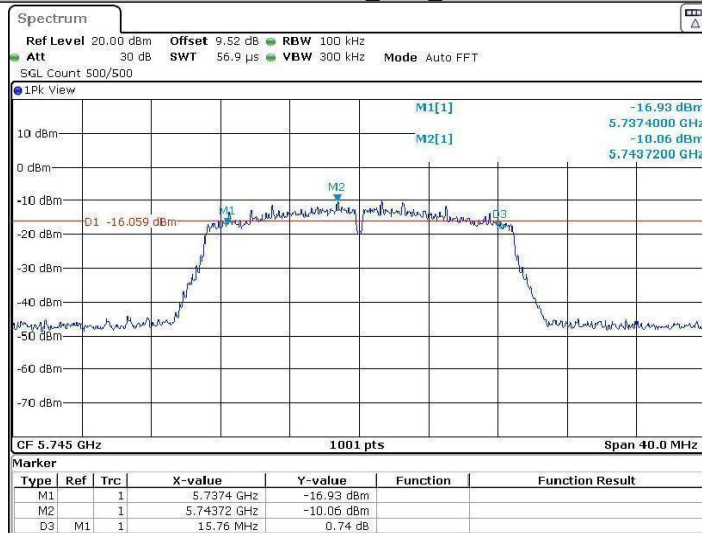
Date: 19 SEP. 2022 09:49:02

11N40SISO_Ant1_5795



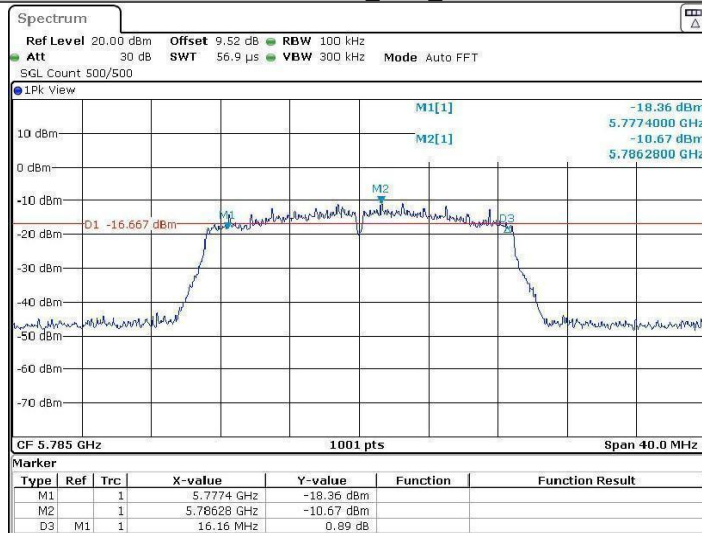
Date: 19 SEP. 2022 09:55:02

11AC20SISO_Ant1_5745



Date: 19 SEP.2022 12:12:12

11AC20SISO_Ant1_5785



Date: 19 SEP.2022 12:15:00