

Report No.: SEWM2203000022RG07

Rev.: 01

Page: 1 of 264

TEST REPORT

Application No.: SEWM2203000022RG
Applicant: COOSEA GROUP (HK) COMPANY LIMITED
Address of Applicant: UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE
 TSIMSHATSUI KL, HONG KONG, CHINA
Manufacturer: COOSEA GROUP (HK) COMPANY LIMITED
Address of Manufacturer: UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE
 TSIMSHATSUI KL, HONG KONG, CHINA
EUT Description: Mobile Phone
Model No.: SL101AE
Trade Mark: Cricket
FCC ID: 2A28USL101AE
Standards: FCC 47 CFR Part 2, Subpart J
 FCC 47 CFR Part 15, Subpart E
Date of Receipt: 2022/3/23
Date of Test: 2022/3/31 to 2022/5/23
Date of Issue: 2022/6/27

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:

Panta Sun
 Wireless Laboratory Manager



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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022/6/27		Original

Prepared By		 <hr/> (Weller Liu) / Test Supervisor
Checked By		 <hr/> (Well Wei) / Reviewer



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2 Test Summary

Test Item	Band ^[1]	FCC rules No.	Test Requirements	Test Result	Result
Antenna Requirement	--	15.203/15.407(a)	--	Clause 4.1	PASS
26dB Emission Bandwidth	Band I	15.407(a)(1)	No limit.	Clause 4.5	Reporting only
	Band II-A	15.407(a)(2)			
	Band II-C	15.407(a)(2)			
6dB Emission Bandwidth	Band III	15.407(e)	≥ 500 kHz.	Clause 4.6	PASS
99% Occupied Bandwidth	Band I	KDB 789033 D02§ D	No limit.	Clause 4.7	Reporting only
	Band II-A				
	Band II-C				
	Band III				
Duty Cycle	Band I	--	No limit.	Clause 4.3	Reporting only
	Band II-A				
	Band II-C				
	Band III				
Maximum Conducted Output Power	Band I	15.407(a)	< 250mW	Clause 4.4	PASS
	Band II-A	15.407(a)(2)	<MIN{250mW,11dBm+10*Ig(EBW)}		
	Band II-C				
	Band III	15.407(a)(3)	< 1W		
Maximum Power Spectral Density	Band I	15.407(a)	<11dBm/MHz	Clause 4.8	PASS
	Band II-A	15.407(a)(2)	<11dBm/MHz		
	Band II-C				
	Band III	15.407(a)(3)	<30dBm/500KHz		
Unwanted Emissions that fall Out of the Restricted Bands (Radiated)	Band I	15.209 15.407(b)	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	Clause 4.9	PASS
	Band II-A	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.25-5.35 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		PASS
	Band II-C	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP). F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.47-5.725 GHz). F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).		PASS
	Band III	15.407(b) 15.209	F<1GHz: §15.209/§7.2.5 limit (QP) F≥1GHz & out-restricted:(QP) a) 27 dBm/MHz at frequencies from		PASS



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			<p>the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;</p> <p>b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;</p> <p>c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges;</p> <p>and</p> <p>d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.</p> <p>F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).</p>		
Unwanted Emissions in the Restricted Bands (Radiated)	Band I Band II-A Band II-C Band III	15.209	---	Clause 4.10	PASS
AC Power Line Conducted Emissions	Band I Band II-A Band II-C Band III	15.207	---	Clause 4.2	PASS
Frequency Stability	Band I Band II-A Band II-C Band III	15.407(g)	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	N/A	N/A
<p>Note :</p> <p>Band I: 5150-5250MHz</p> <p>Band II-A: 5250-5350MHz</p> <p>Band II-C: 5470-5725MHz</p> <p>Band III: 5725-5850MHz</p>					



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3 General Information

3.1 Details of Client

Applicant:	COOSEA GROUP (HK) COMPANY LIMITED
Address of Applicant:	UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL, HONG KONG, CHINA
Manufacturer:	COOSEA GROUP (HK) COMPANY LIMITED
Address of Manufacturer:	UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL, HONG KONG, CHINA

3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Tizzy Song, Ives Cheng

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

<ul style="list-style-type: none"> A2LA (Certificate No. 6336.01) SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01. Innovation, Science and Economic Development Canada SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory. CAB identifier: CN0120. IC#: 27594. FCC –Designation Number: CN1312 SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory. Designation Number: CN1312. Test Firm Registration Number: 717327
--



3.4 General Description of EUT

EUT Description:	Mobile Phone		
Model No.:	SL101AE		
Trade Mark:	Cricket		
Hardware Version:	1.0		
Software Version:	SL101AEC10004		
WLAN Mode Supported:	802.11a:	20 MHz channel bandwidth	
	802.11n:	20 MHz / 40 MHz channel bandwidth	
	802.11ac:	20 MHz / 40 MHz / 80 MHz channel bandwidth	
Operation Frequency:	5150MHz to 5250MHz		
	5250MHz to 5350MHz		
	5470MHz to 5725MHz		
	5725MHz to 5850MHz		
Modulation Type:	802.11a:	OFDM (BPSK, QPSK, 16QAM, 64QAM)	
	802.11n:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)	
	802.11ac:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)	
Channel Spacing:	20MHz:	802.11a/n(HT20)/ac(VHT20)	
	40MHz:	802.11n(HT40)/ac(VHT40)	
	80MHz:	802.11ac(VHT80)	
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated		
Antenna Gain*:	<input checked="" type="checkbox"/> Provided by client		
	5150MHz to 5250MHz: 0.4dBi(Ant3);		
	5250MHz to 5350MHz: 0.4dBi(Ant3);		
	5470MHz to 5725MHz: 0.4dBi(Ant3); 5725MHz to 5850MHz: 0.4dBi(Ant3);		
Smart System:	<input checked="" type="checkbox"/> SISO	802.11a/n/ac	
	<input type="checkbox"/> MIMO	CDD: 802.11a/n/ac: Tx & Rx	
		STBC: 802.11n/ac: Tx & Rx	
		TXBF: 802.11n/ac: Tx & Rx	
<input type="checkbox"/> Diversity	802.11b/g: Tx & Rx		
RF Cable*:	<input checked="" type="checkbox"/> Provided by client		
	2dB		

Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

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Remark:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of Operation Operating Frequency Range (in each Band)	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre

For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5280
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	The Middle channel	5290



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For UNII Band II-C:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Lowest channel	5530
	The Highest channel	5610

For UNII Band III:		
Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775



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3.5 Test Environment and Mode

Environment Parameter	101 kPa Selected Values During Tests	
Relative Humidity	44-60 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~25	3.8
LTNV	-10	3.8
HTNV	55	3.8

Remark:
 NV: Normal Voltage
 NT: Normal Temperature
 LT: Low Extreme Test Temperature
 HT: High Extreme Test Temperature

3.6 Description of Support Units

The EUT has been tested as an independent unit.

3.7 Worst-case configuration and mode

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. Following are the worst-case data rates set for test:

Modulation Type	SISO - Data Rate	MIMO - Data Rate
802.11a	6 Mbps	/
802.11n (HT 20)	MCS0 (6.5 Mbps)	/
802.11n (HT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 20)	MCS0 (6.5 Mbps)	/
802.11ac (VHT 40)	MCS0 (13.5 Mbps)	/
802.11ac (VHT 80)	MCS0 (29.3 Mbps)	/



4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement:	47 CFR Part 15 Section 15.203
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 0.4 dBi.	



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4.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 6.2		
Test Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	<ol style="list-style-type: none"> 1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 		



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<p>Test Setup:</p>	
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.</p>
<p>Final Test Mode:</p>	<p>Refer to section 3.7 for details. Only the worst case is recorded in the report.</p>
<p>Instruments Used:</p>	<p>Refer to section 6 for details.</p>
<p>Test Results:</p>	<p>Pass</p>



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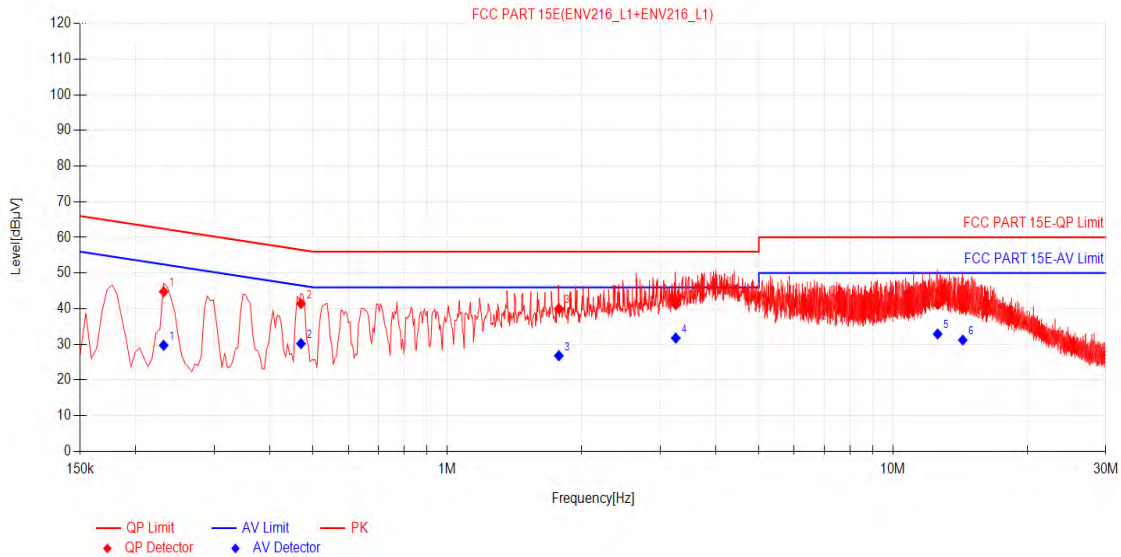
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Phase:	Line
--------	------



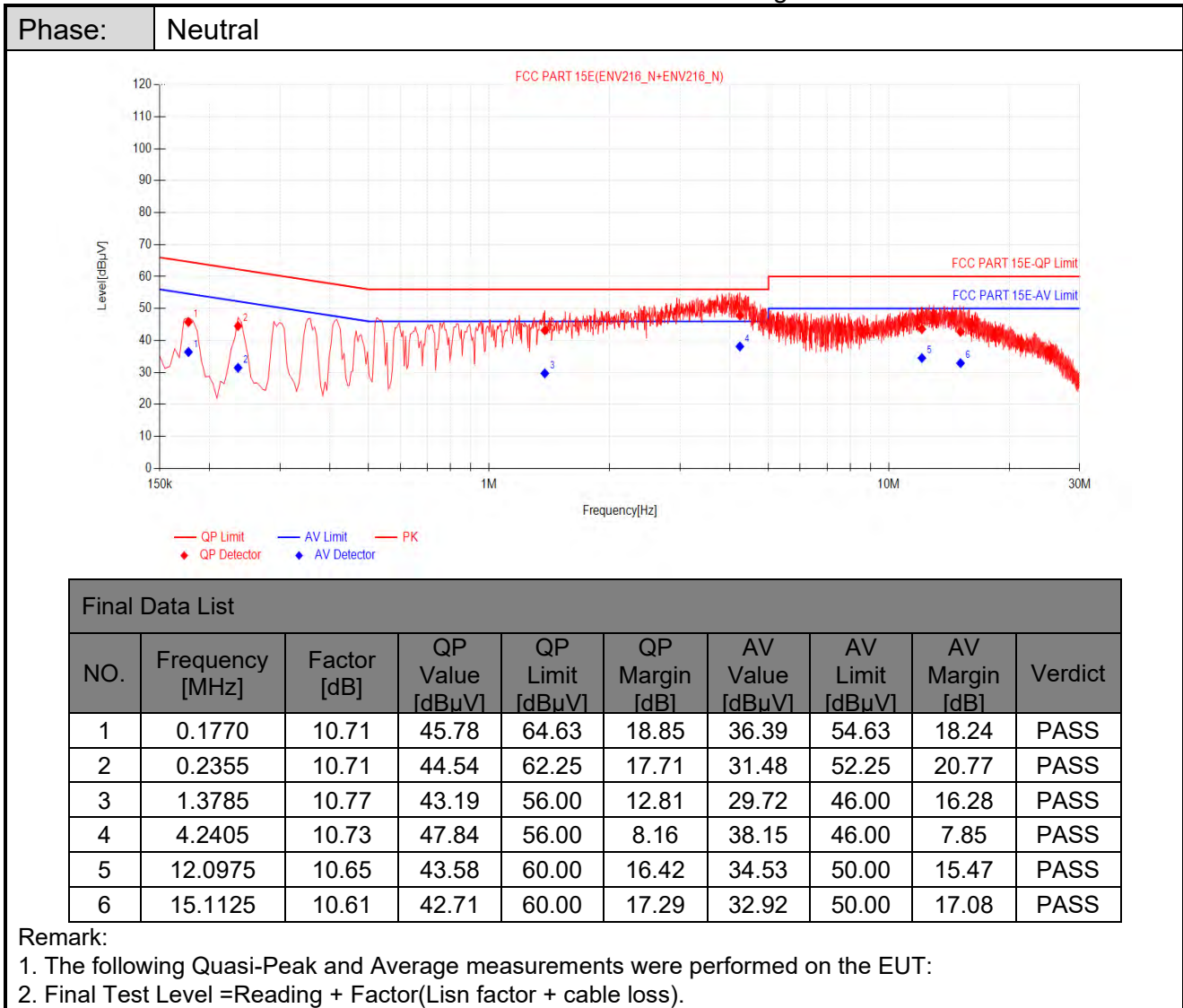
Final Data List									
NO.	Frequency [MHz]	Factor [dB]	QP Value [dBuV]	QP Limit [dBuV]	QP Margin [dB]	AV Value [dBuV]	AV Limit [dBuV]	AV Margin [dB]	Verdict
1	0.2310	10.81	44.77	62.41	17.64	29.72	52.41	22.69	PASS
2	0.4695	10.58	41.42	56.52	15.10	30.21	46.52	16.31	PASS
3	1.7790	10.73	39.99	56.00	16.01	26.82	46.00	19.18	PASS
4	3.2550	10.69	41.15	56.00	14.85	31.76	46.00	14.24	PASS
5	12.5925	10.57	41.23	60.00	18.77	32.90	50.00	17.10	PASS
6	14.3385	10.54	40.03	60.00	19.97	31.19	50.00	18.81	PASS

Remark:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- Final Test Level = Reading + Factor(Lisn factor + cable loss).



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4.3 Duty Cycle

The detailed test data see: **Appendix**



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4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10 :2013 Section 11.9.2.3	
Test Setup:	<p>* Test with power meter (Detector function: Peak)</p>	
Test Instruments:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5150-5250MHz	Not exceed 250mW(24dBm)
	5250-5350MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5470-5725MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	
The detailed test data see: Appendix		



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4.5 26dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a), KDB 789033 D02& C
Test Method:	ANSI C63.10: 2013 Section 11.8 Option 2
Test Setup:	
Instruments Used:	Refer to section 6 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 3.7 for details.
Limit:	No restriction limits
Test Results:	Pass
The detailed test data see: Appendix	



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4.6 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013 Section 11.8 Option 2	
Test Setup:		
Test Instruments:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At least 500kHz
Test Results:	Pass	
The detailed test data see: Appendix		



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4.7 99% Occupied Bandwidth

Test Requirement:	KDB 789033 D02§ D
Test Method:	ANSI C63.10: 2013 Section 6.9.3
Test Setup:	
Instruments Used:	Refer to section 6 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Refer to section 3.7 for details.
Limit:	No restriction limits
Test Results:	Pass
The detailed test data see: Appendix	



4.8 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013 Section 11.10.2 KDB 789033 D02 v02r01, Section F.	
Test Setup:		
Instruments Used:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than <30dBm/500KHz
Test Results:	Pass	
The detailed test data see: Appendix		



4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.205 and 15.209
Test Method:	ANSI C63.10: 2013 Section 6.4 / 6.5 / 6.6
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test frequency:	9kHz ~ 40GHz(or 10 Harmonic)

Test Setup:

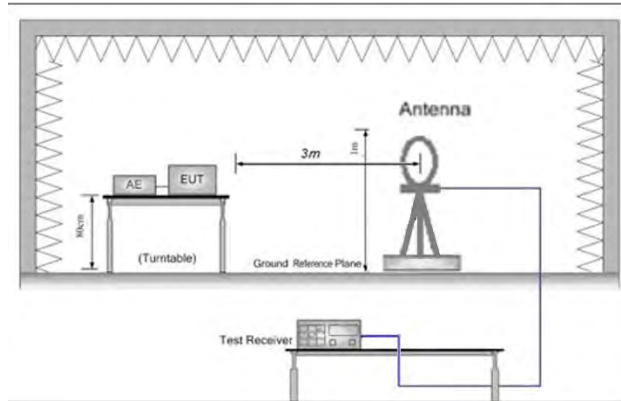


Figure 1. 9kHz to 30MHz

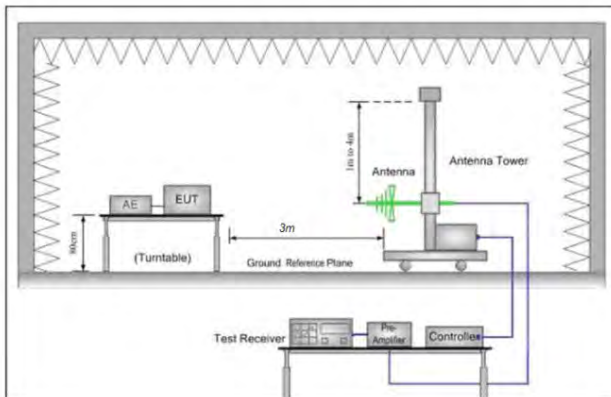


Figure 1. 30MHz to 1GHz

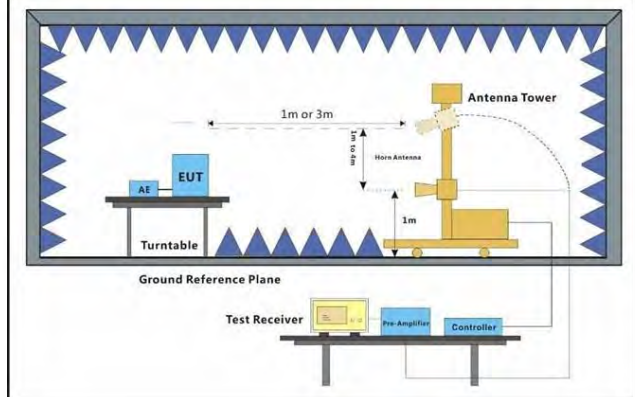


Figure 2. Above 1 GHz

Test Procedure:

- For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. (Distance from antenna to EUT is 1m for measurements >18GHz).
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and



	<p>then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>g. Test the EUT in the outermost channels.</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p> <p>j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported</p> <p>k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed.</p> <p>l. At a measurement distance of 1 meter the limit line was increased by $20 \cdot \text{LOG}(3/1) = 9.54 \text{ dB}$.</p>
<p>Test Configuration:</p>	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none"> • RBW = 120 kHz • VBW = 300 kHz • Detector = Peak • Trace mode = max hold <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW $\geq 3 \text{ MHz}$ • Detector = Peak • Sweep time = auto • Trace mode = max hold <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW $\geq [3 \cdot \text{RBW}]$ • Detector = RMS (power averaging), if $\text{span} / (\# \text{ of points in sweep}) \leq (\text{RBW} / 2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak. • Sweep time = auto • Perform a trace average of at least 100 traces. <p>Value = Reading + Factor(Antenna Factor + Cable loss – Pre-amplifier Factor).</p>
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates.</p>
<p>Final Test Mode:</p>	<p>Refer to section 3.7 for details.</p>
<p>Instruments Used:</p>	<p>Refer to section 6 for details.</p>
<p>Test Results:</p>	<p>Pass</p>
<p>The detailed test data see: Appendix</p>	



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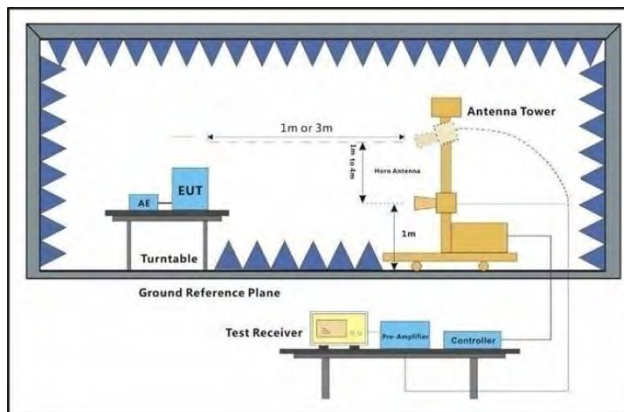
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4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013 Section 11.12		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:



Test Procedure:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel
- Test the EUT in the outermost channels.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.



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	i. Repeat above procedures until all frequencies measured was complete.
Test Configuration:	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none"> • RBW = 120 kHz • VBW = 300 kHz • Detector = Peak • Trace mode = max hold <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW ≥ 3 MHz • Detector = Peak • Sweep time = auto • Trace mode = max hold <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none"> • RBW = 1 MHz • VBW ≥ [3 *RBW] • Detector = RMS (power averaging), if span / (# of points in sweep) ≤ (RBW / 2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak. • Sweep time = auto • Perform a trace average of at least 100 traces. <p>Value = Reading + Factor(Antenna Factor + Cable loss).</p>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Refer to section 3.7 for details.
Instruments Used:	Refer to section 6 for details.
Test Results:	Pass
The detailed test data see: Appendix	



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

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.54dB
2	RF power density, conducted	±1.03dB
3	Spurious emissions, conducted	±0.54dB
4	Radio Frequency	1.0%
5	Duty Cycle	±0.37%
6	Occupied Bandwidth	1.0%
7	Conduction Emission	± 2.90dB (150kHz to 30MHz)
8	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.80dB (30M -1GHz)
		± 4.80dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)



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6 Equipment List

RF Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	SUWI-04-01-06	2021/5/8	2024/5/7
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2022/2/16	2023/2/15
Signal Analyzer	ROHDE&SCHWARZ	FSV3030	SUWI-01-02-02	2021/5/28	2022/5/27
Measurement Software	Tonscend	JS1120-3 Test System V 3.1.55	SUWI-02-09-09	NCR	NCR
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	2022/2/14	2023/2/13
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2022/2/15	2023/2/14
Power meter	Anritsu	ML2495A	SUWI-01-31-01	2021/12/4	2022/12/3
Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	2021/12/4	2022/12/3

CE Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	SUWI-04-03-01	2021/5/8	2024/5/7
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-01	2022/2/19	2023/2/18
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-02	2022/2/19	2023/2/18
Measurement Software	Tonscend	JS32-CE V4.0.0.2	SUWI-02-09-05	NCR	NCR
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2022/2/19	2023/2/18
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2022/2/16	2023/2/15



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9*6*6 Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/5/8	2024/5/7
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2022/2/16	2023/2/15
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2021/5/28	2022/5/27
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-05	2021/12/4	2022/12/3
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2022/2/19	2023/2/18
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9163	SUWI-01-11-01	2021/5/16	2023/5/15
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2021/5/16	2023/5/15
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2021/5/14	2023/5/13
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2021/6/10	2023/6/9
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2022/2/14	2023/2/13
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2022/2/14	2023/2/13
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2022/2/19	2023/2/18
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR
Measurement Software	Tonscend	JS32-RSE 4.0.0.1	SUWI-02-09-06	NCR	NCR



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7 Photographs - Setup Photos

Refer to Appendix A.2 WLAN Setup Photos.



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Appendix



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Emission Bandwidth
Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5180	20.04	5169.96	5190.00	---	---
		5220	24.88	5209.12	5234.00	---	---
		5240	20.08	5229.92	5250.00	---	---
		5260	19.88	5250.00	5269.88	---	---
		5300	24.08	5289.04	5313.12	---	---
		5320	21.32	5309.88	5331.20	---	---
		5500	20.92	5490.00	5510.92	---	---
		5580	22.52	5567.44	5589.96	---	---
		5700	19.96	5689.92	5709.88	---	---
		5745	21.60	5733.56	5755.16	---	---
		5785	20.88	5774.20	5795.08	---	---
		5825	20.44	5814.76	5835.20	---	---
		11N20SISO	Ant3	5180	23.84	5167.24	5191.08
5220	22.76			5208.32	5231.08	---	---
5240	22.96			5228.28	5251.24	---	---
5260	22.64			5248.60	5271.24	---	---
5300	24.00			5287.28	5311.28	---	---
5320	23.64			5307.20	5330.84	---	---
5500	22.16			5489.12	5511.28	---	---
5580	20.60			5569.52	5590.12	---	---
5700	23.08			5688.20	5711.28	---	---
5745	24.24			5732.20	5756.44	---	---
5785	22.68			5773.48	5796.16	---	---
5825	26.16			5812.40	5838.56	---	---
11N40SISO	Ant3			5190	40.32	5169.92	5210.24
		5230	40.96	5209.44	5250.40	---	---
		5270	40.96	5249.36	5290.32	---	---
		5310	40.72	5289.76	5330.48	---	---
		5510	40.72	5489.52	5530.24	---	---



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		5550	40.72	5529.60	5570.32	---	---		
		5670	41.36	5649.76	5691.12	---	---		
		5755	40.32	5734.76	5775.08	---	---		
		5795	40.24	5774.84	5815.08	---	---		
11AC20SISO	Ant3	5180	20.36	5169.76	5190.12	---	---		
		5220	25.16	5207.88	5233.04	---	---		
		5240	20.60	5229.72	5250.32	---	---		
		5260	20.36	5249.76	5270.12	---	---		
		5300	20.60	5289.84	5310.44	---	---		
		5320	20.36	5309.84	5330.20	---	---		
		5500	20.28	5489.76	5510.04	---	---		
		5580	20.32	5569.88	5590.20	---	---		
		5700	20.36	5689.72	5710.08	---	---		
		5745	20.44	5734.76	5755.20	---	---		
		5785	20.40	5774.76	5795.16	---	---		
		5825	21.36	5814.88	5836.24	---	---		
		11AC40SISO	Ant3	5190	40.24	5170.00	5210.24	---	---
				5230	40.24	5209.92	5250.16	---	---
5270	40.64			5249.68	5290.32	---	---		
5310	40.80			5289.76	5330.56	---	---		
5510	40.48			5489.76	5530.24	---	---		
5550	40.40			5529.68	5570.08	---	---		
5670	40.72			5649.60	5690.32	---	---		
5755	40.24			5734.92	5775.16	---	---		
5795	40.24			5774.68	5814.92	---	---		
11AC80SISO	Ant3	5210	80.96	5169.52	5250.48	---	---		
		5290	81.60	5249.20	5330.80	---	---		
		5530	81.12	5489.52	5570.64	---	---		
		5610	81.28	5569.36	5650.64	---	---		
		5775	80.96	5734.52	5815.48	---	---		



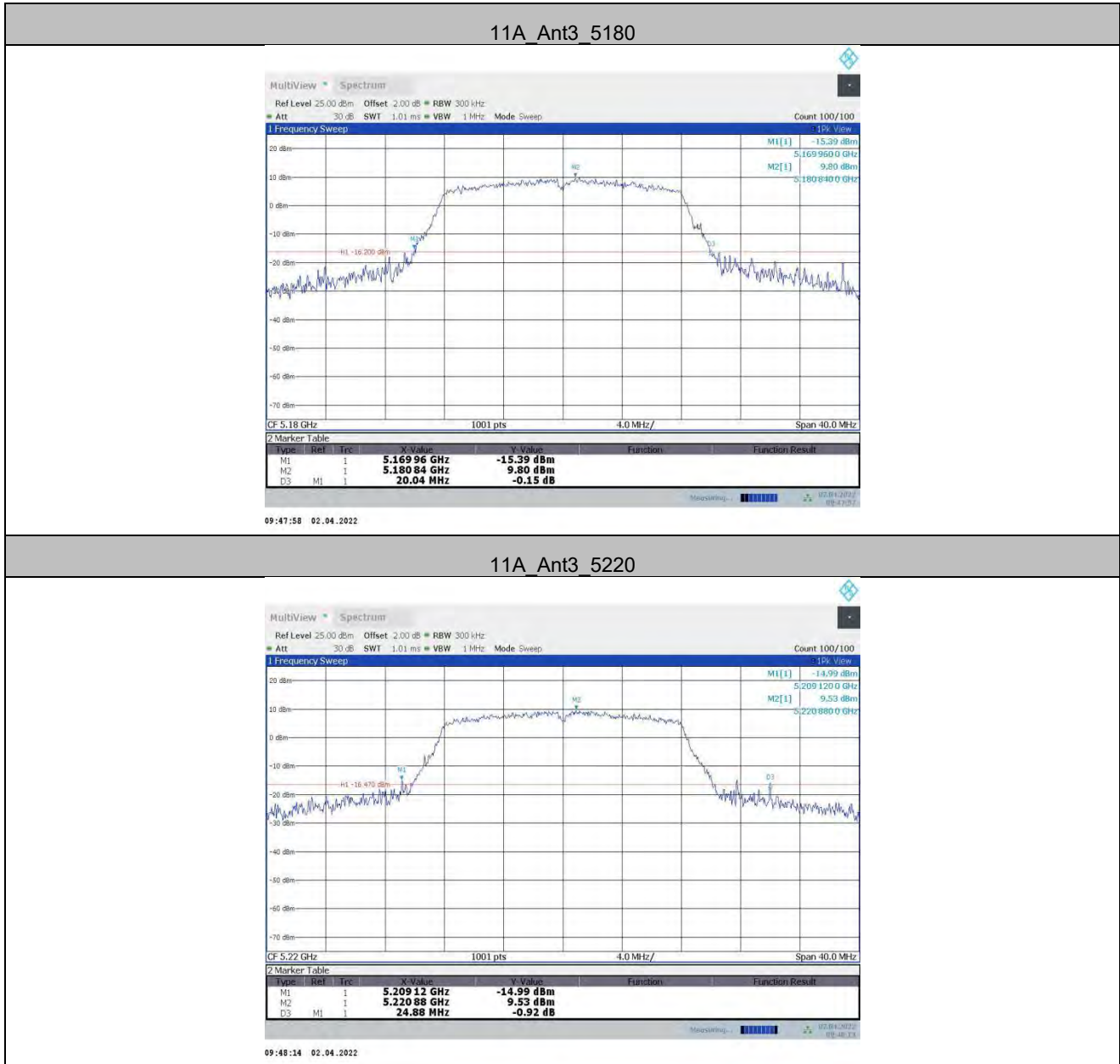
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Test Graphs

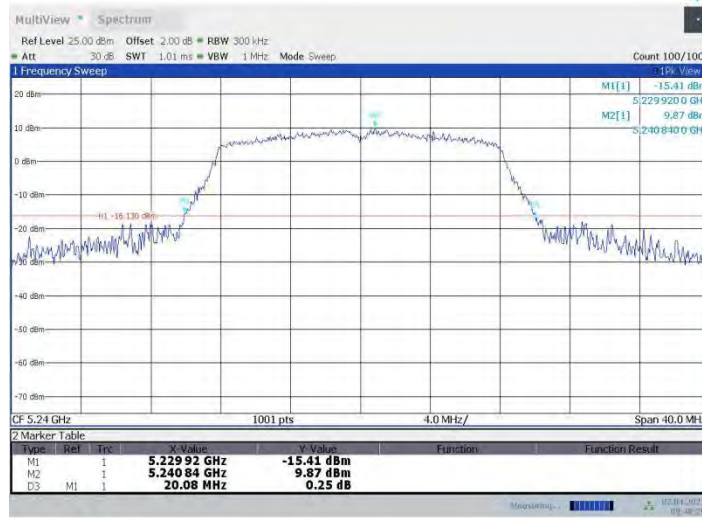


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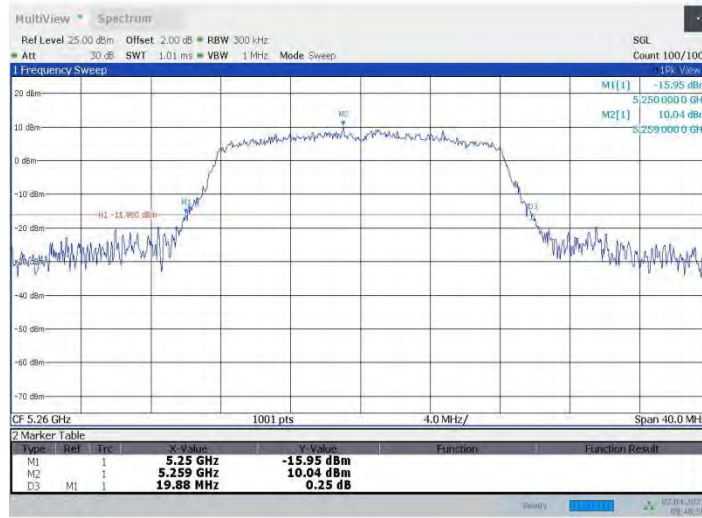
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11A Ant3 5240



09:48:29 02.04.2022

11A Ant3 5260



09:48:59 02.04.2022



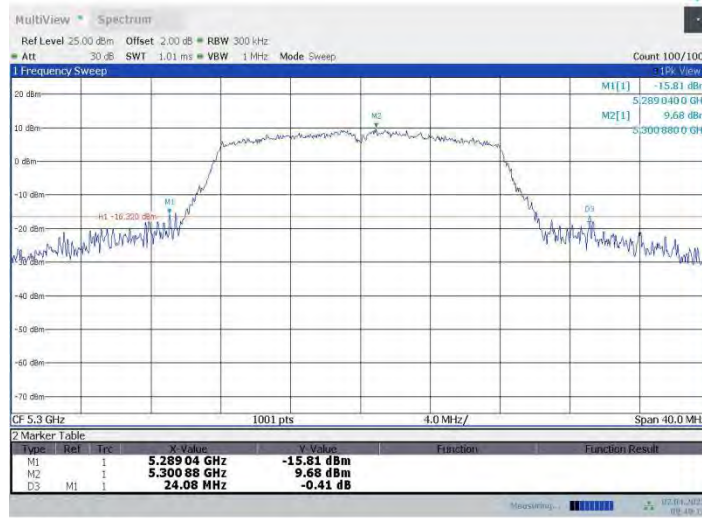
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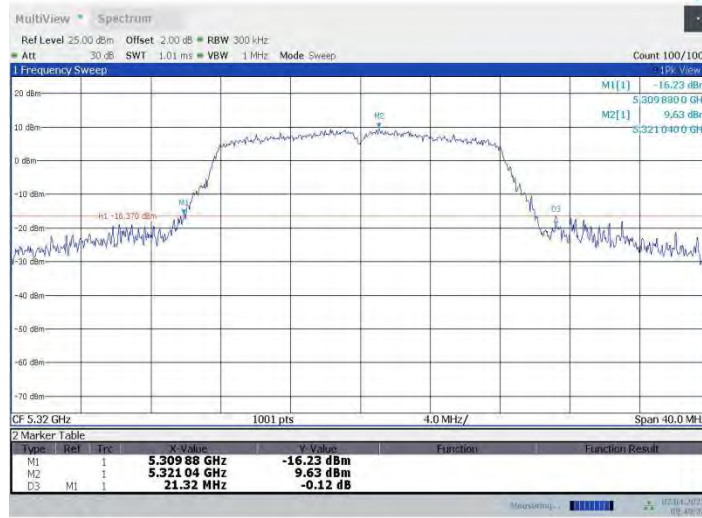
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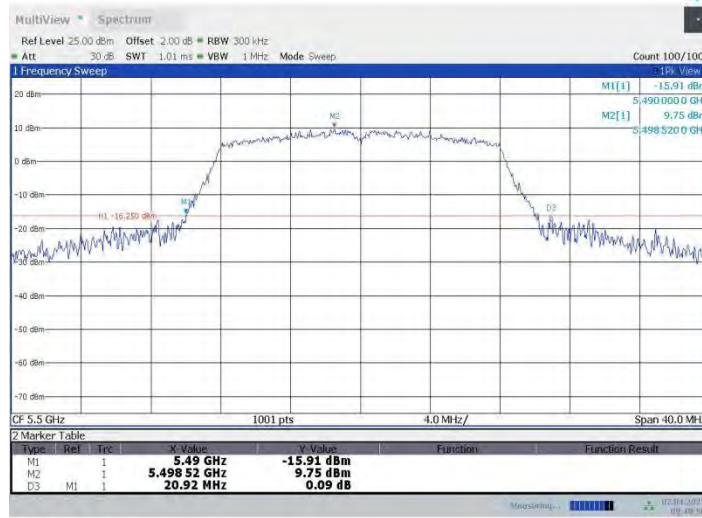


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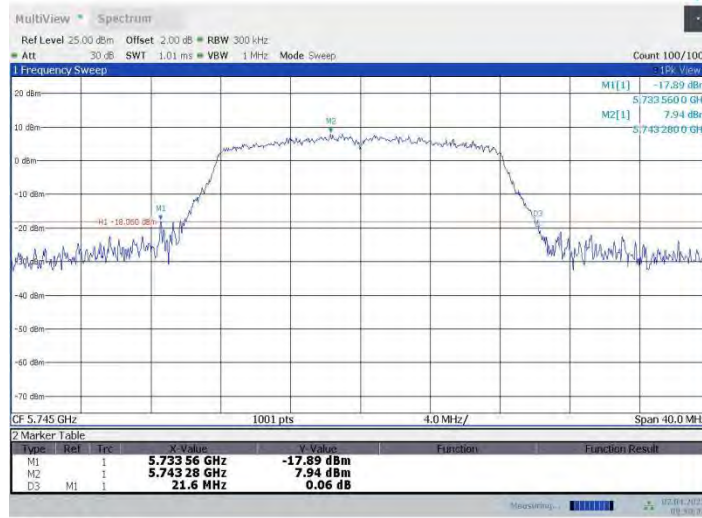
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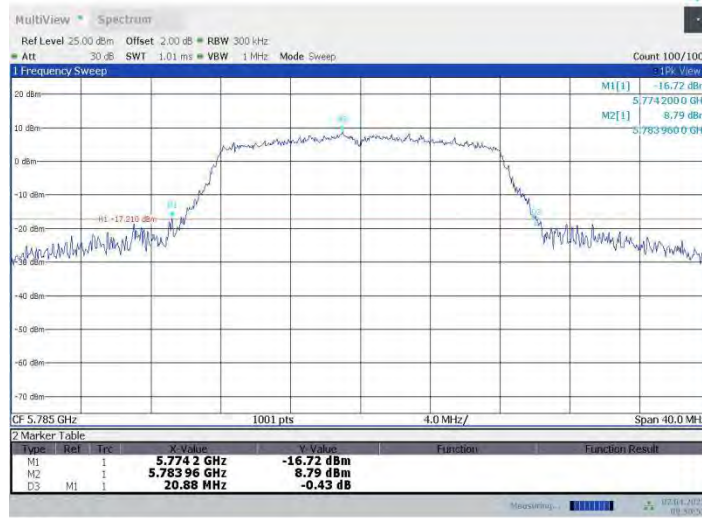
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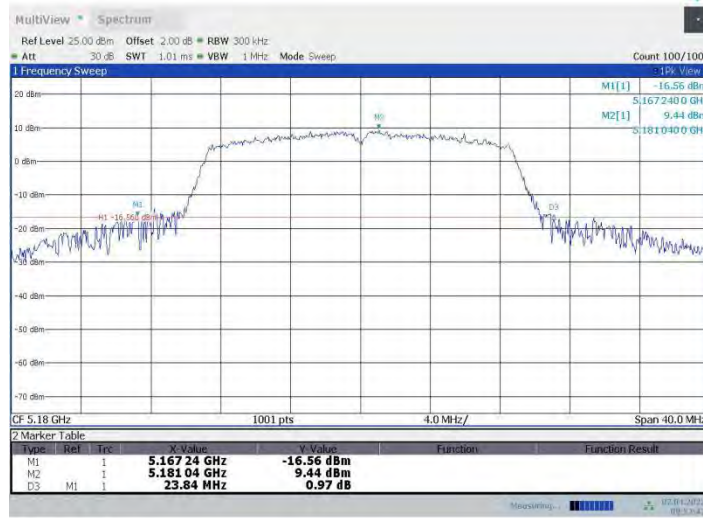
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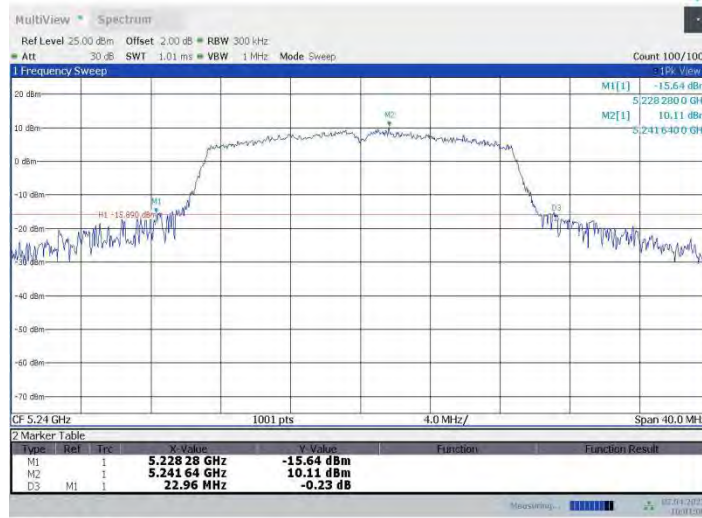


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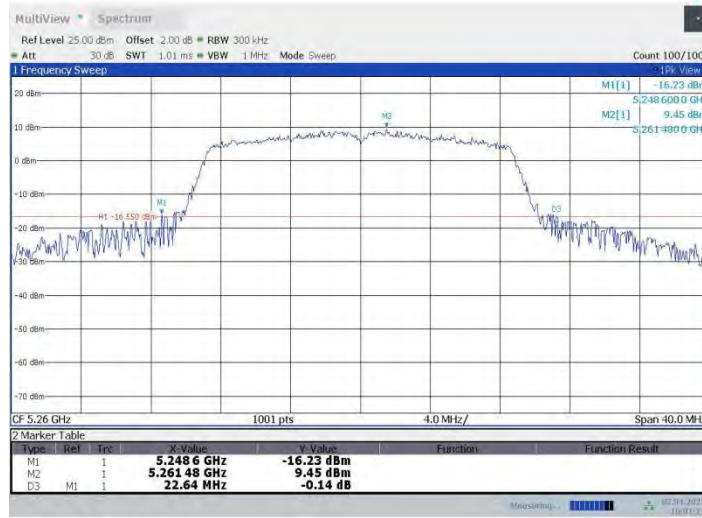
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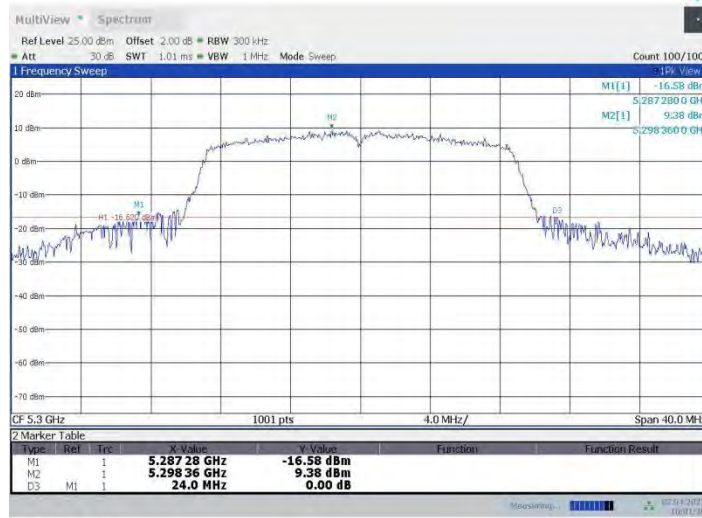
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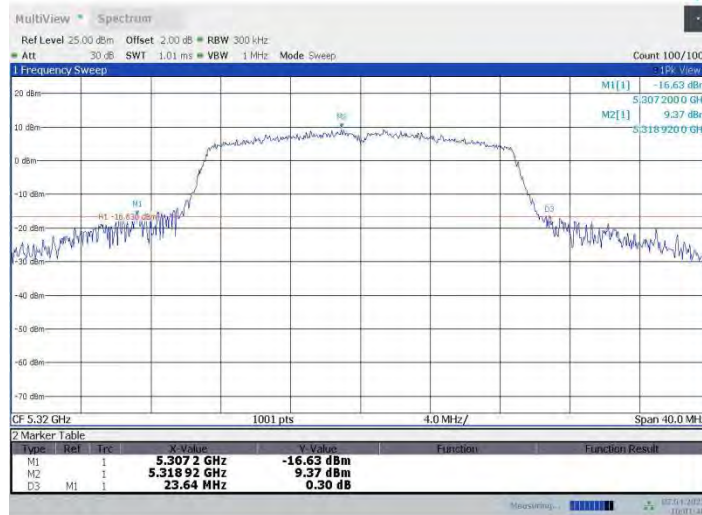
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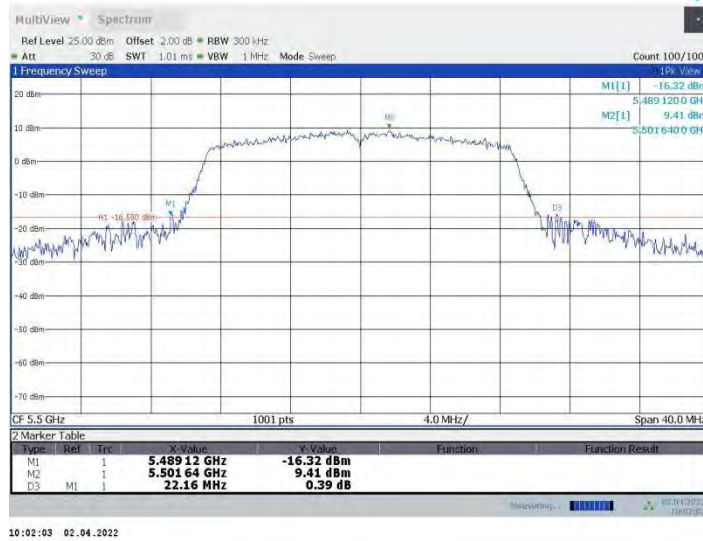
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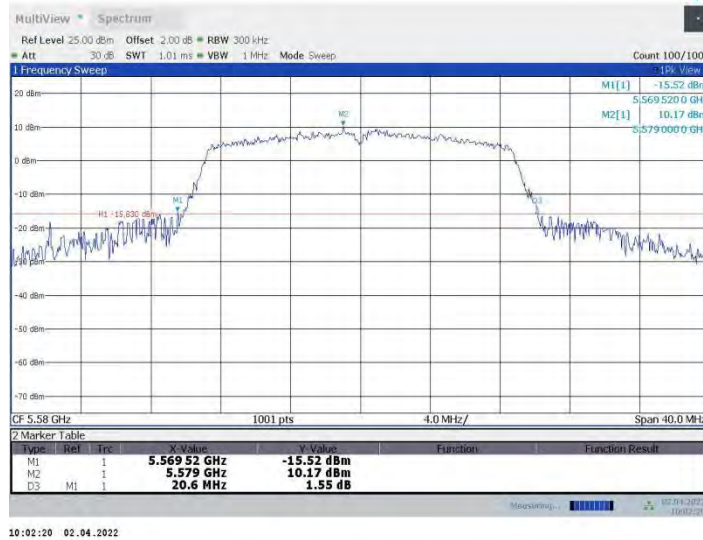
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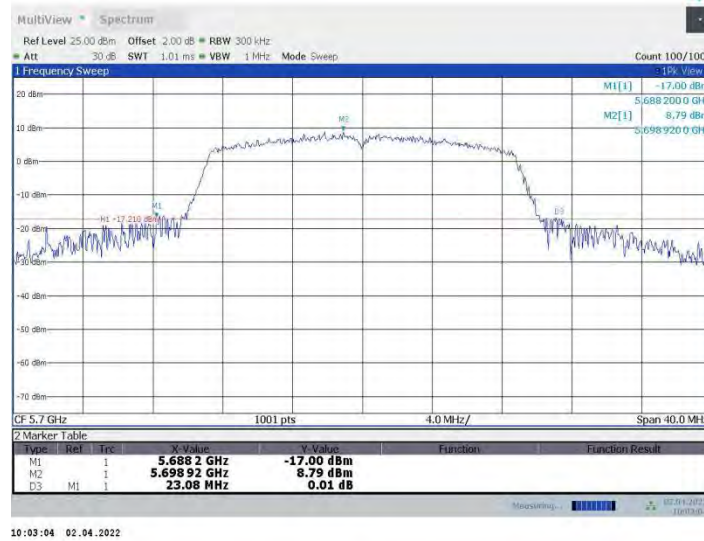


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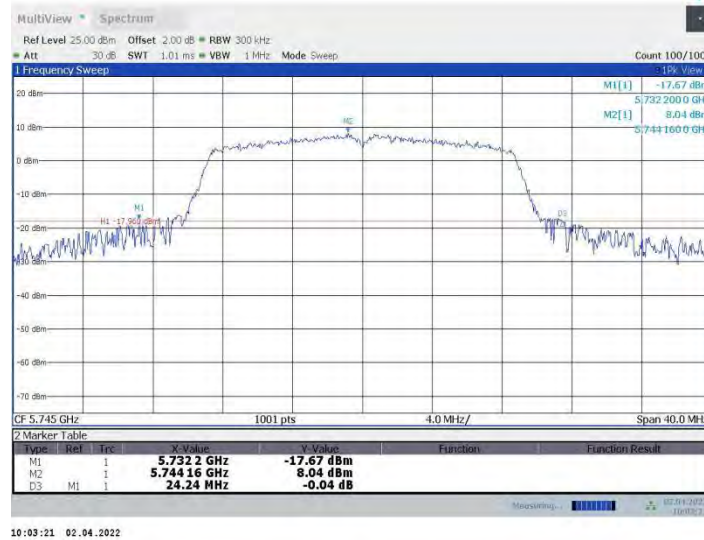
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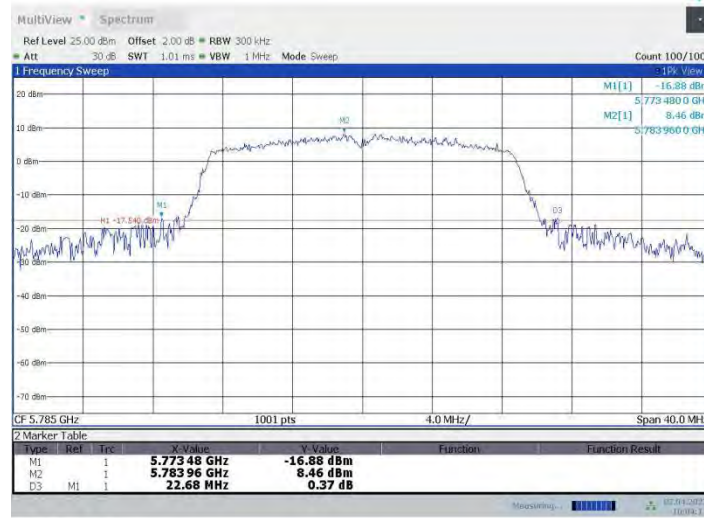
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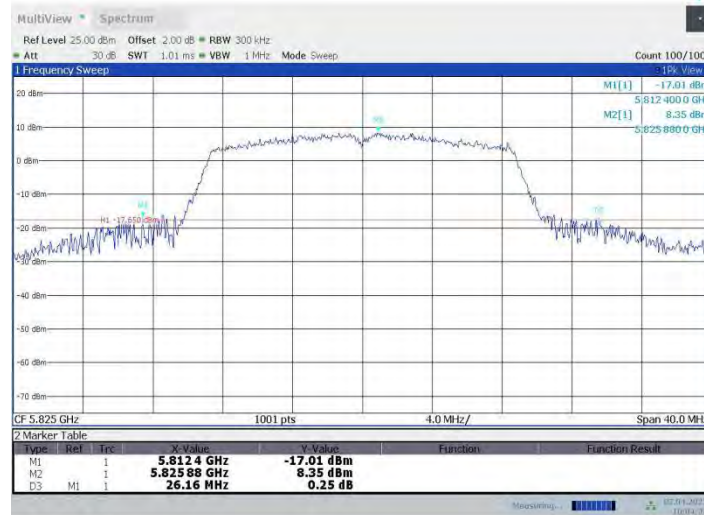
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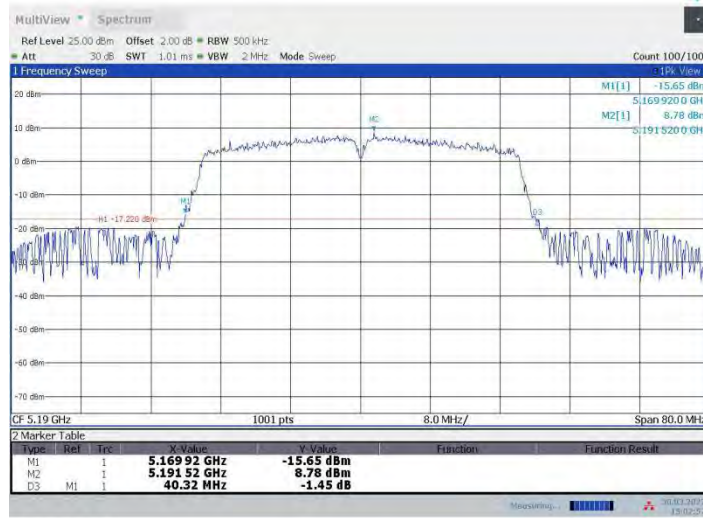
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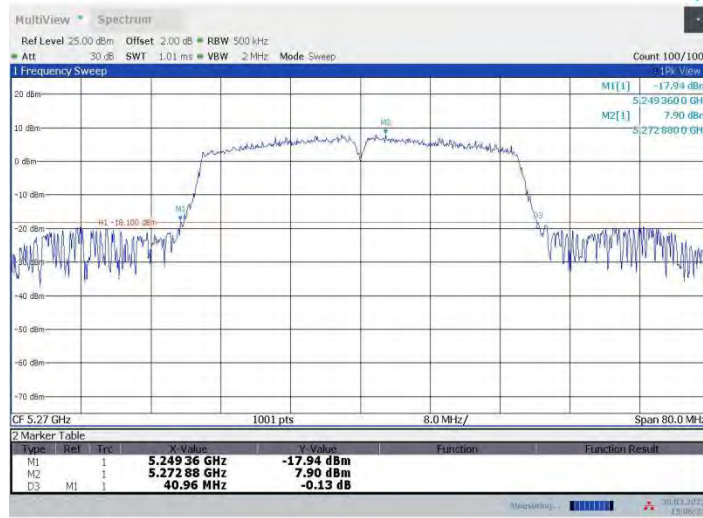


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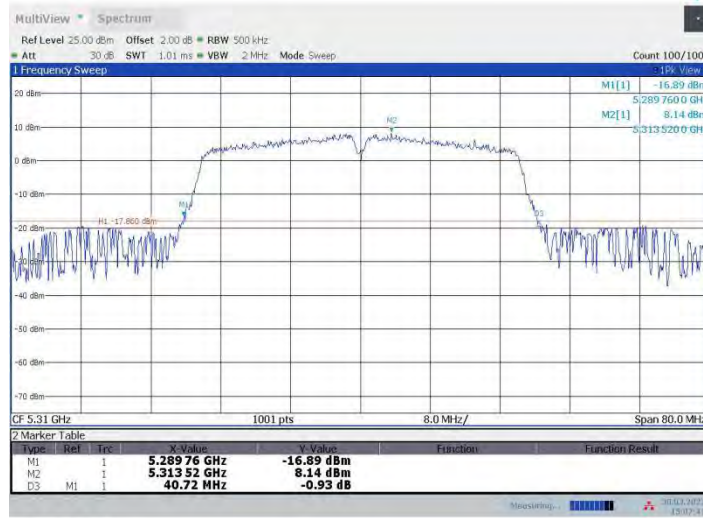
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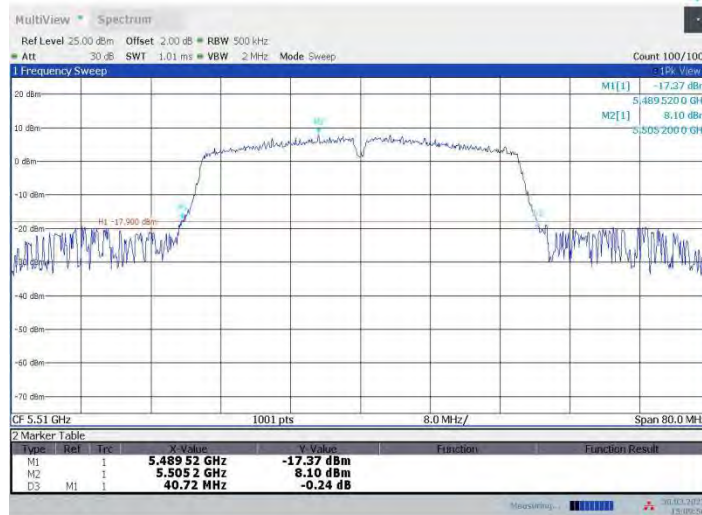
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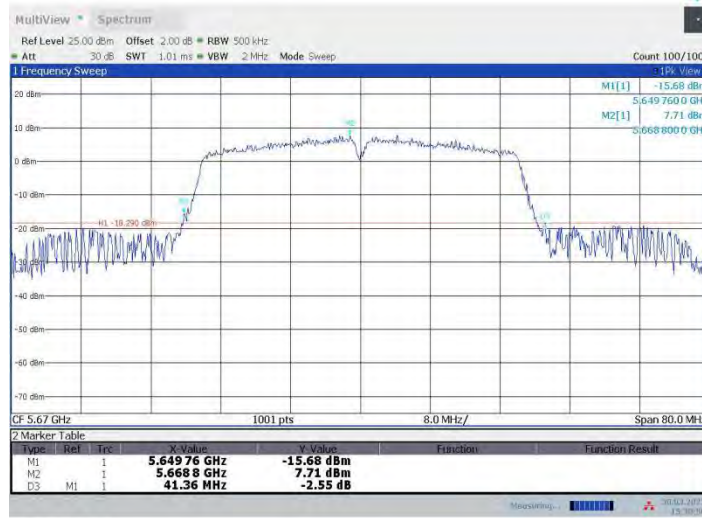
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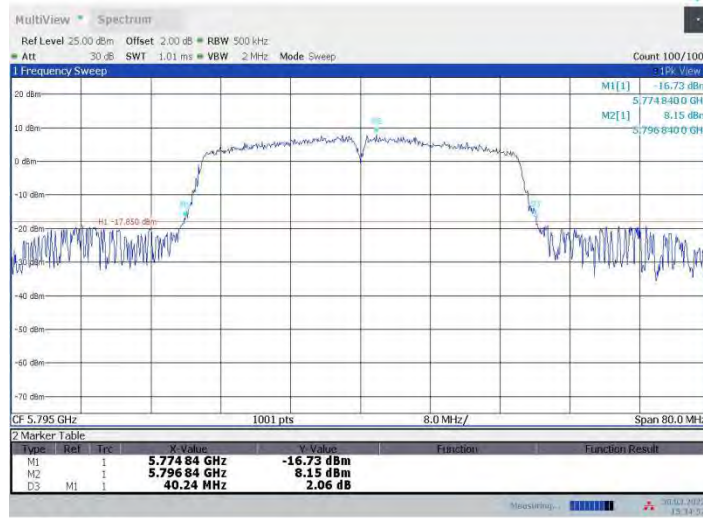


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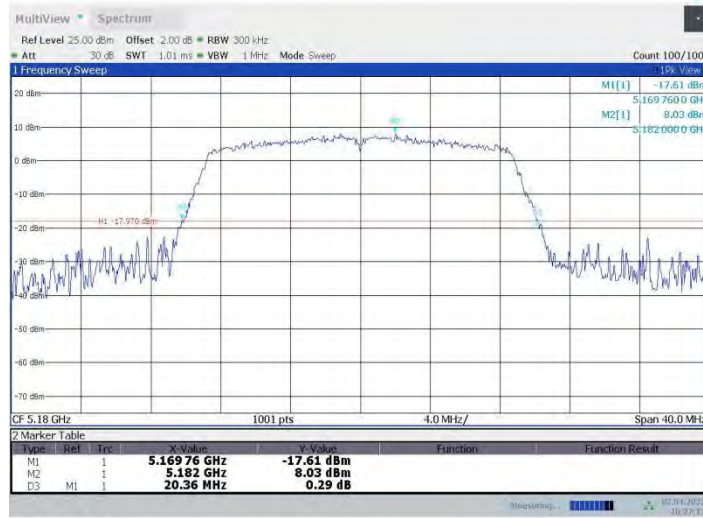
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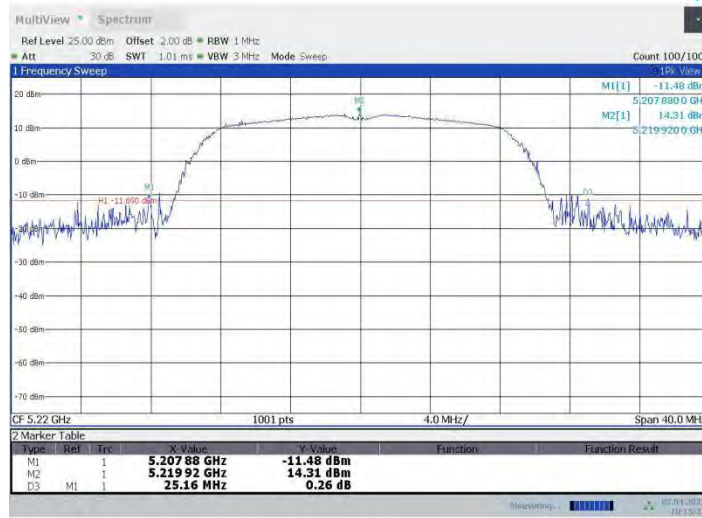


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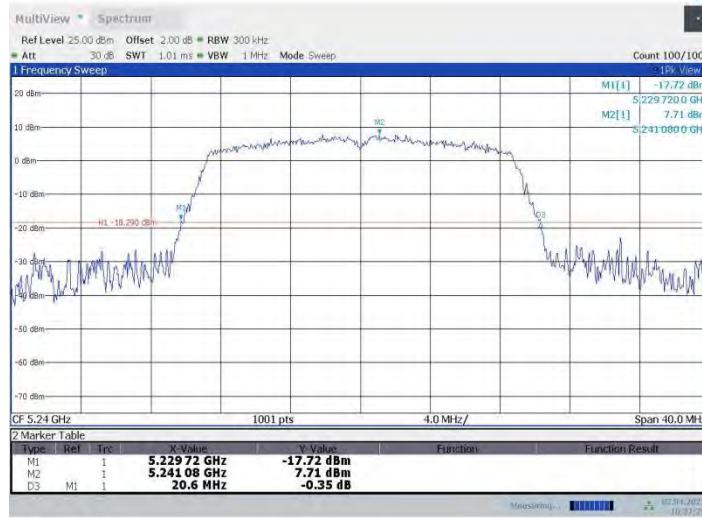
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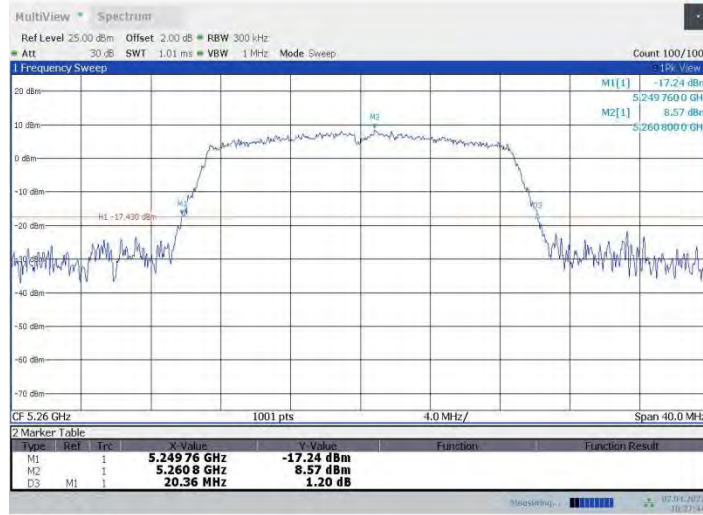
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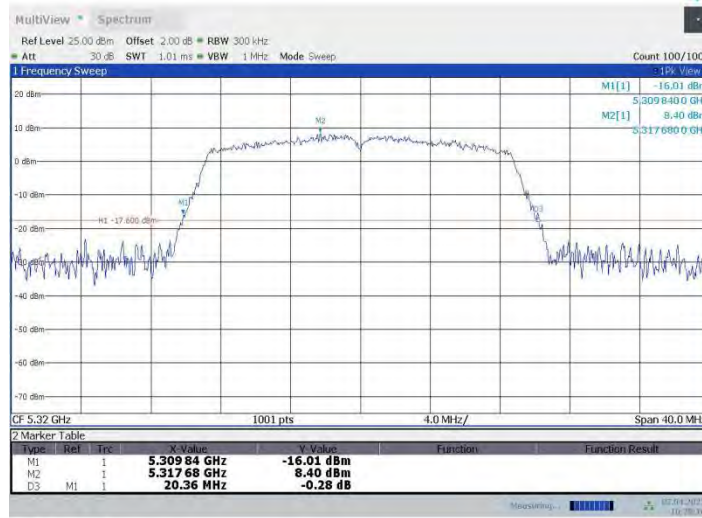
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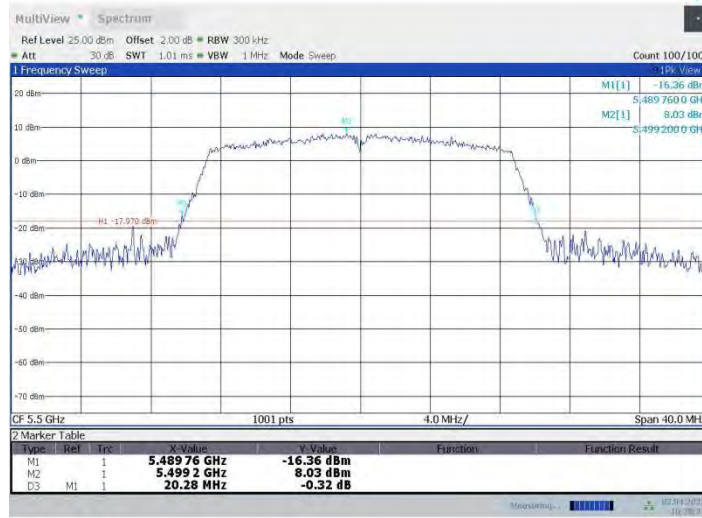
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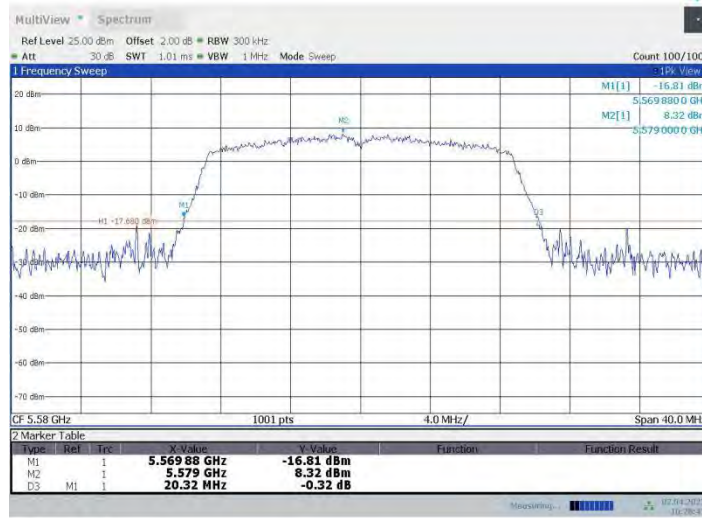
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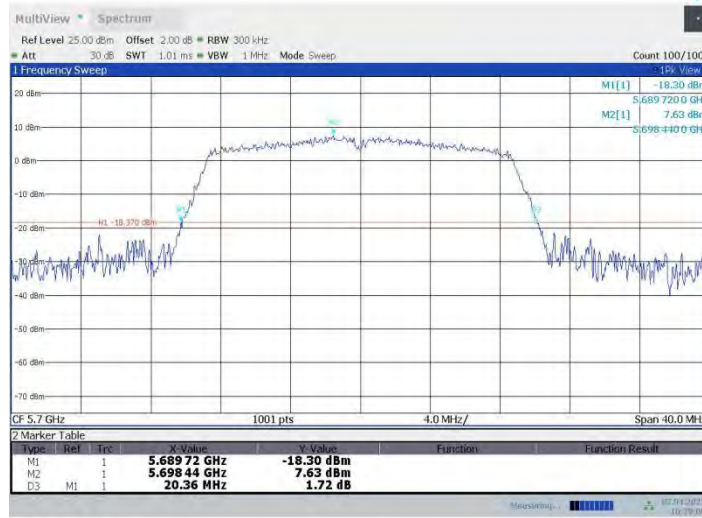
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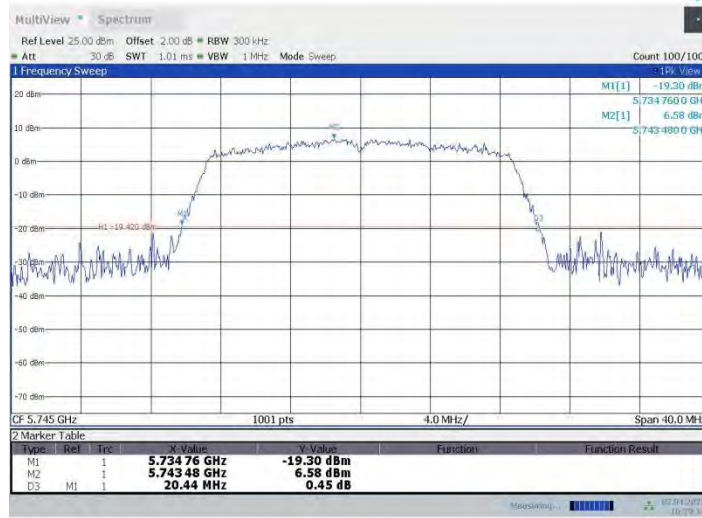


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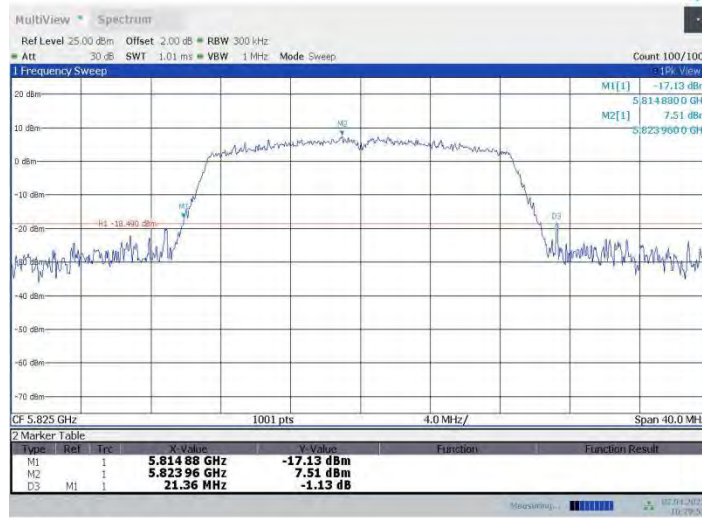
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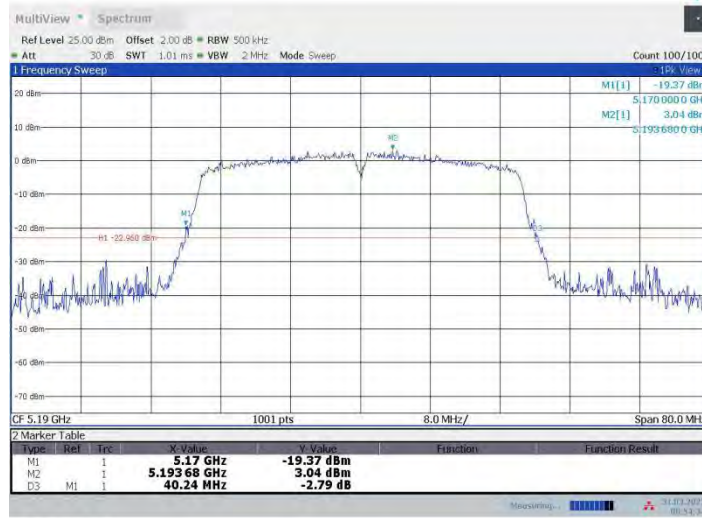
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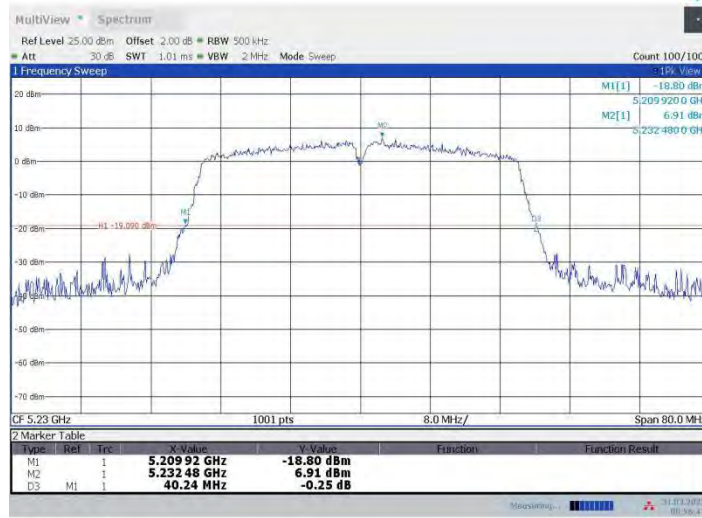


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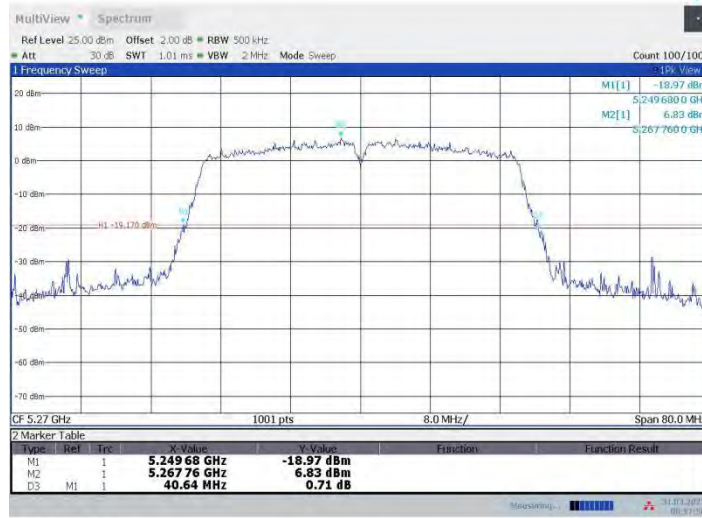
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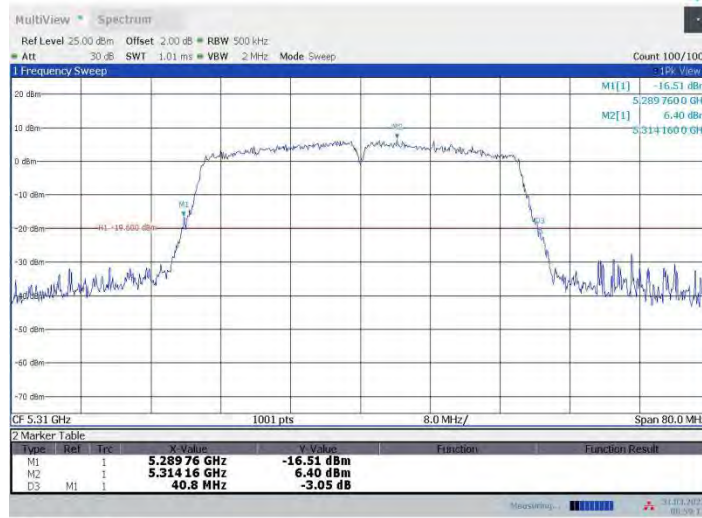


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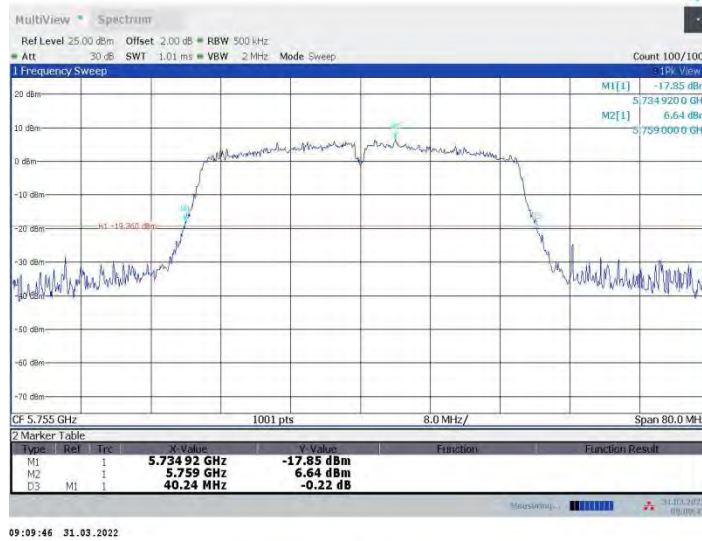
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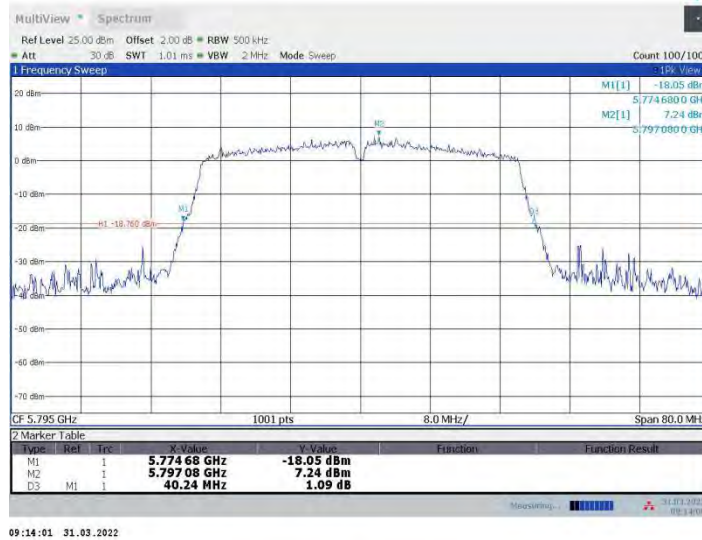
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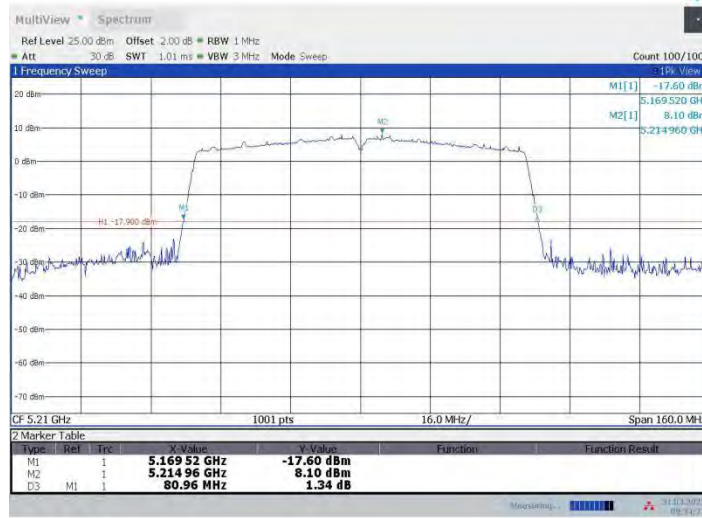
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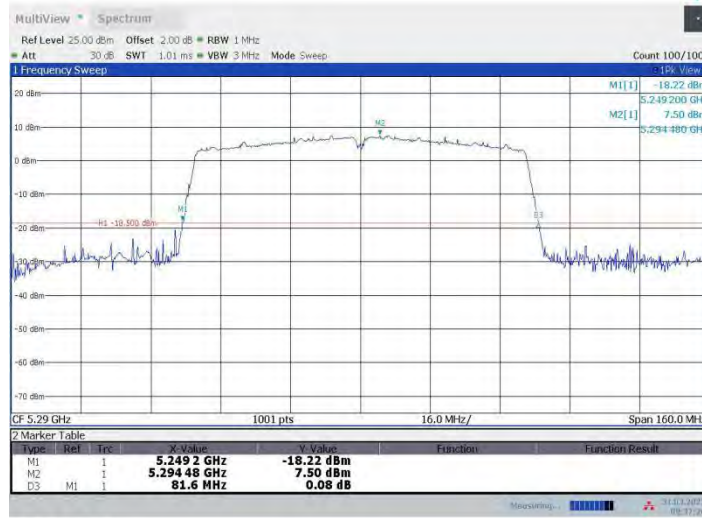
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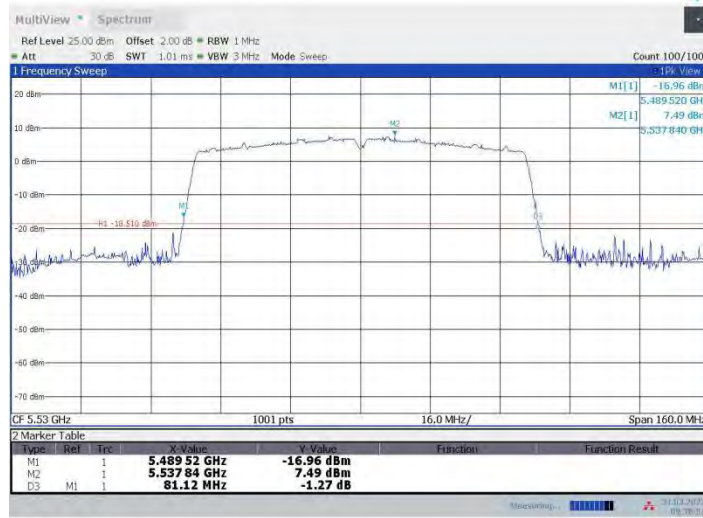
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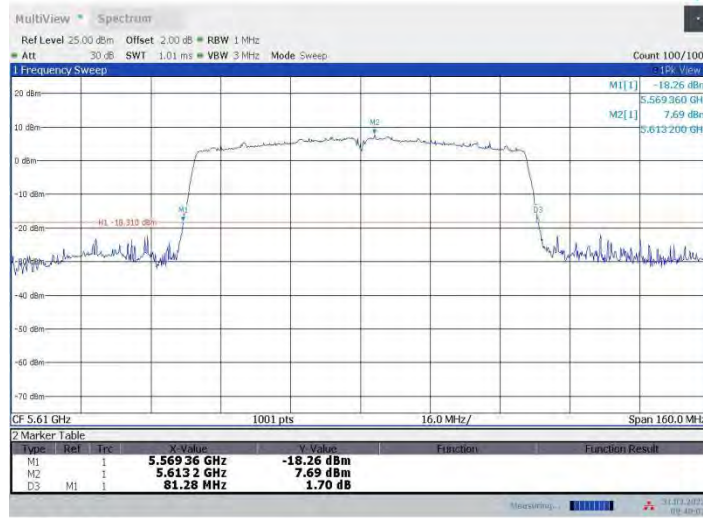
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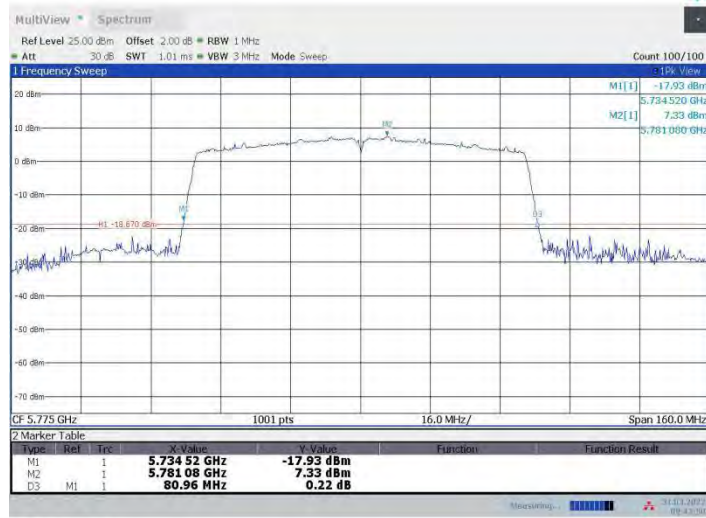
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**Occupied channel bandwidth
Test Result**

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5180	17.256	5171.325	5188.581	---	---
		5220	17.141	5211.379	5228.521	---	---
		5240	17.11	5231.392	5248.502	---	---
		5260	17.079	5251.430	5268.509	---	---
		5300	17.116	5291.411	5308.528	---	---
		5320	17.068	5311.452	5328.520	---	---
		5500	17.139	5491.390	5508.529	---	---
		5580	17.164	5571.409	5588.573	---	---
		5700	17.138	5691.419	5708.557	---	---
		5745	17.226	5736.360	5753.586	---	---
		5785	17.125	5776.389	5793.514	---	---
		5825	17.094	5816.409	5833.502	---	---
		11N20SISO	Ant3	5180	17.935	5170.967	5188.902
5220	18.075			5210.918	5228.993	---	---
5240	18.013			5230.961	5248.974	---	---
5260	18.04			5250.969	5269.010	---	---
5300	18.003			5290.964	5308.967	---	---
5320	18.109			5310.918	5329.027	---	---
5500	18.041			5490.929	5508.970	---	---
5580	18.023			5570.952	5588.975	---	---
5700	18.061			5690.965	5709.025	---	---
5745	18.639			5735.637	5754.276	---	---
5785	17.988			5775.987	5793.974	---	---
5825	18.041			5815.922	5833.963	---	---
11N40SISO	Ant3			5190	36.645	5171.652	5208.297
		5230	36.682	5211.647	5248.329	---	---
		5270	36.574	5251.712	5288.286	---	---
		5310	36.626	5291.679	5328.305	---	---
		5510	36.615	5491.687	5528.302	---	---
		5550	36.617	5531.681	5568.298	---	---



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		5670	36.665	5651.689	5688.354	---	---
		5755	36.673	5736.664	5773.337	---	---
		5795	36.643	5776.638	5813.281	---	---
11AC20SISO	Ant3	5180	17.911	5171.016	5188.927	---	---
		5220	17.959	5210.998	5228.958	---	---
		5240	17.934	5231.017	5248.951	---	---
		5260	17.962	5250.975	5268.937	---	---
		5300	17.897	5291.038	5308.935	---	---
		5320	17.878	5311.026	5328.904	---	---
		5500	17.949	5491.002	5508.951	---	---
		5580	17.899	5571.051	5588.951	---	---
		5700	17.995	5690.994	5708.989	---	---
		5745	17.962	5735.982	5753.944	---	---
		5785	17.96	5775.978	5793.938	---	---
		5825	17.921	5816.009	5833.930	---	---
		11AC40SISO	Ant3	5190	36.321	5171.847	5208.167
5230	36.256			5211.814	5248.070	---	---
5270	36.31			5251.850	5288.160	---	---
5310	36.272			5291.865	5328.137	---	---
5510	36.279			5491.849	5528.128	---	---
5550	36.283			5531.864	5568.147	---	---
5670	36.317			5651.834	5688.151	---	---
5755	36.247			5736.868	5773.115	---	---
5795	36.268			5776.803	5813.072	---	---
11AC80SISO	Ant3	5210	75.463	5172.182	5247.645	---	---
		5290	75.448	5252.280	5327.729	---	---
		5530	75.383	5492.304	5567.687	---	---
		5610	75.523	5572.228	5647.752	---	---
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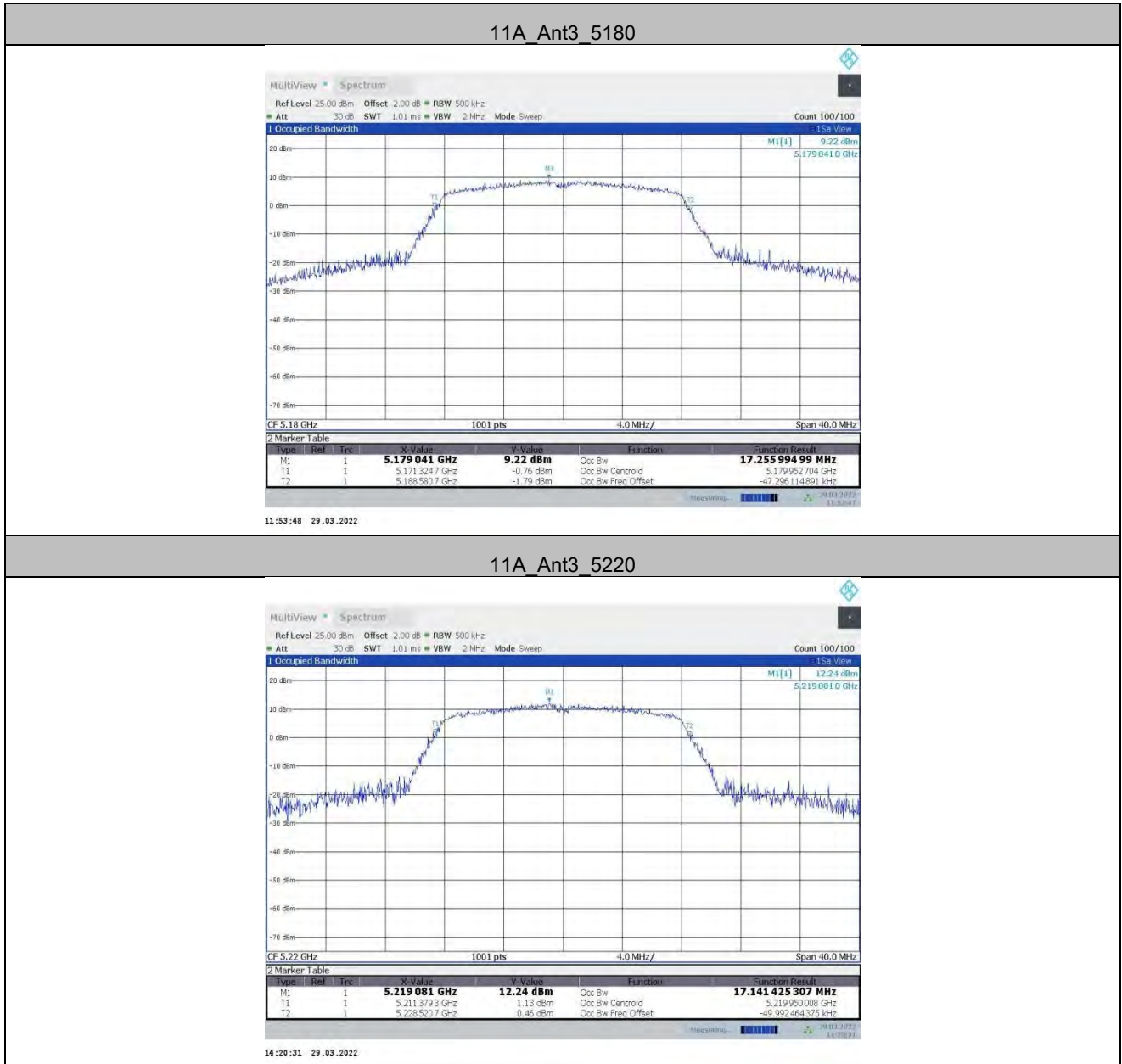
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Test Graphs



11A Ant3 5220

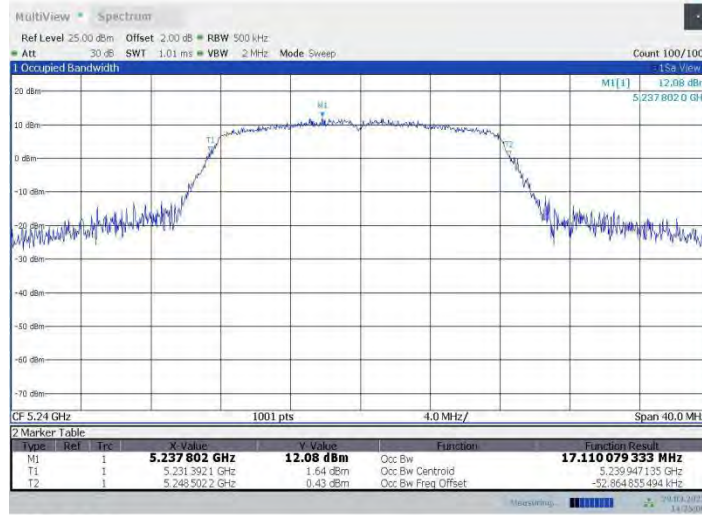


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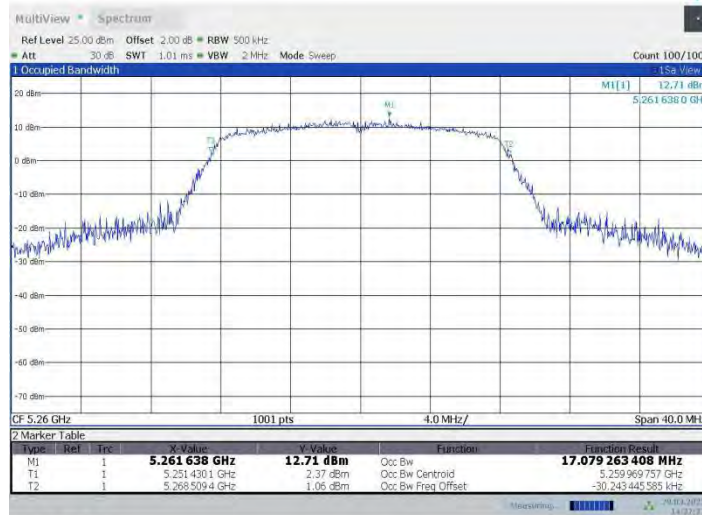
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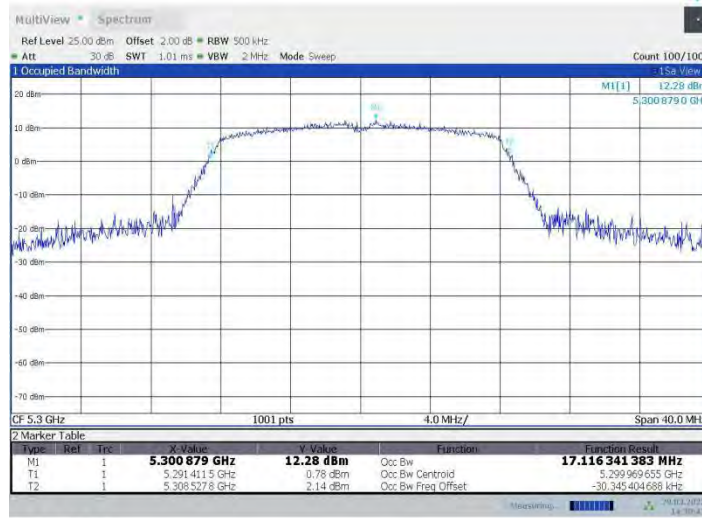
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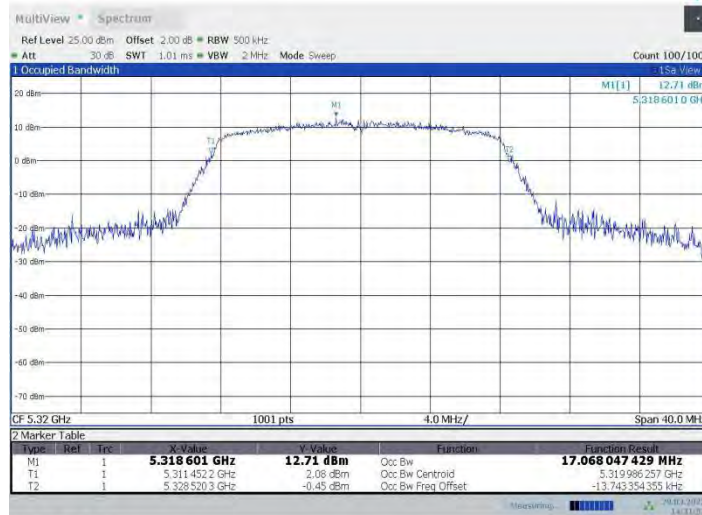
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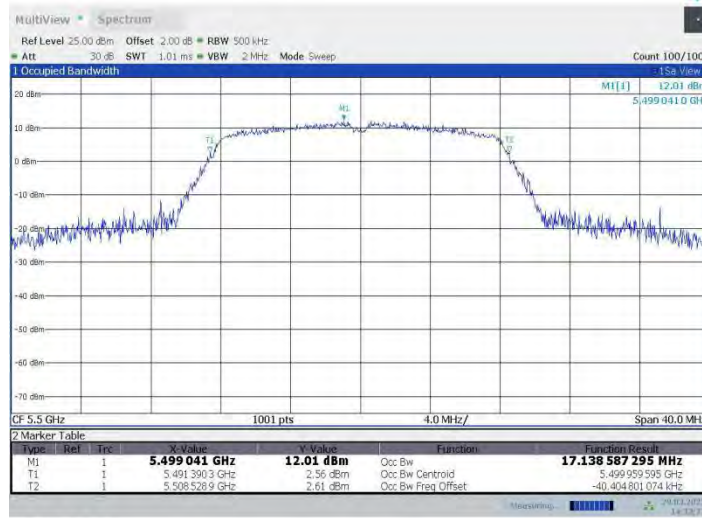
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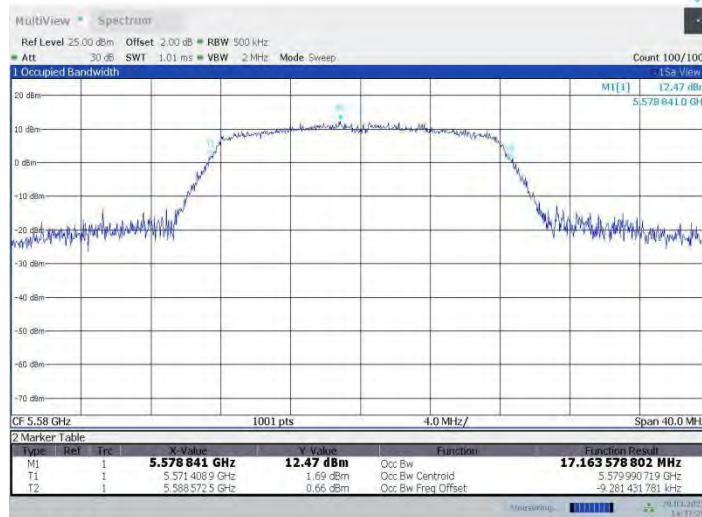
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11A Ant3 5580



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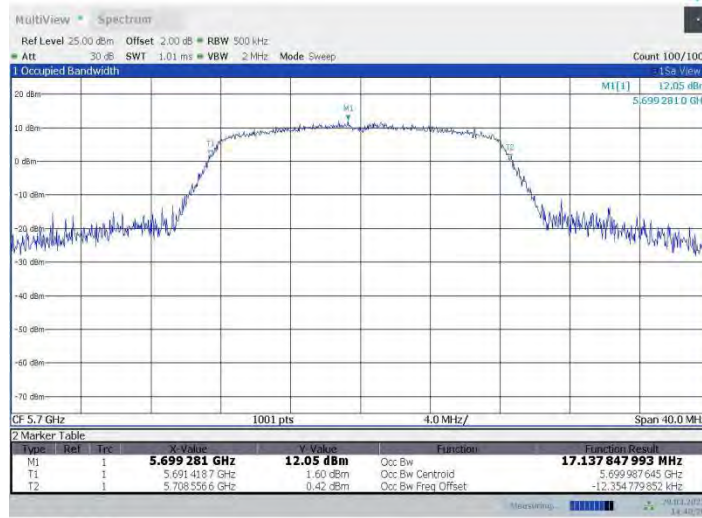


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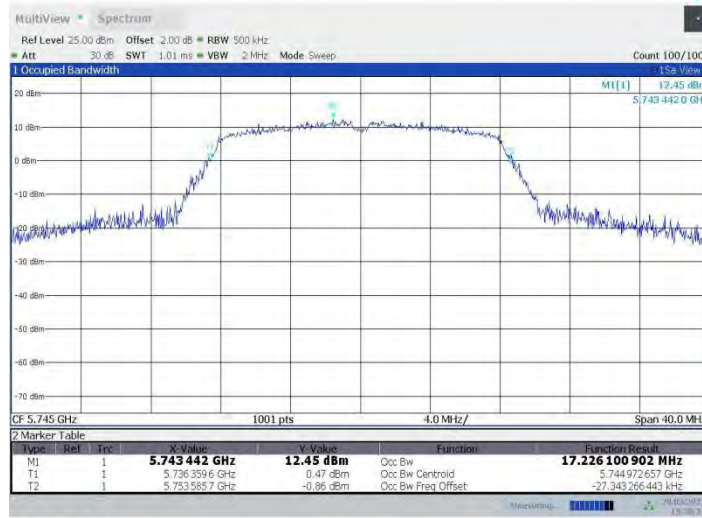
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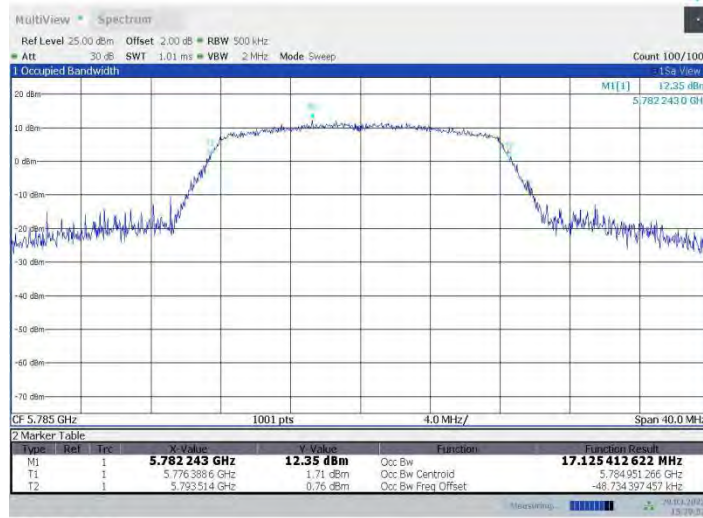
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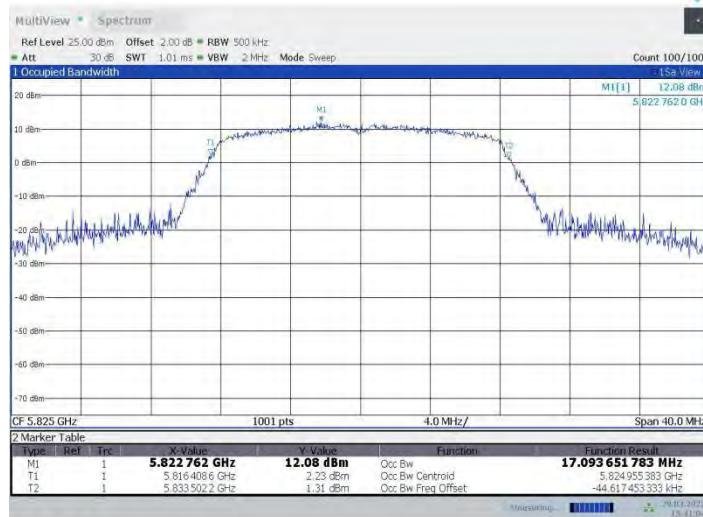
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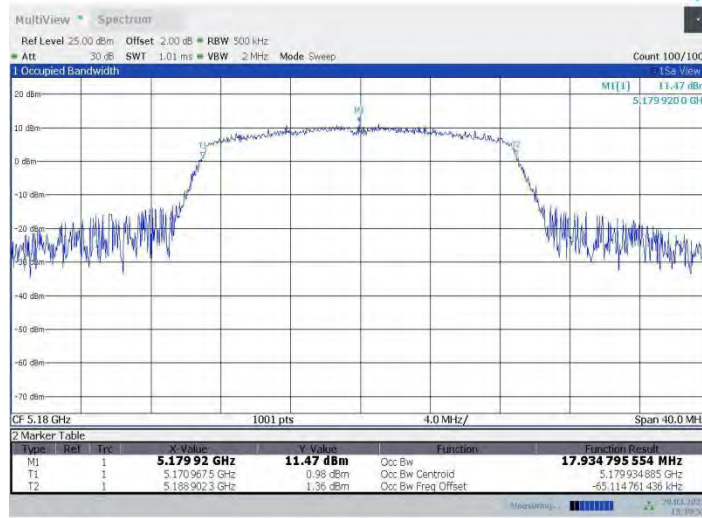


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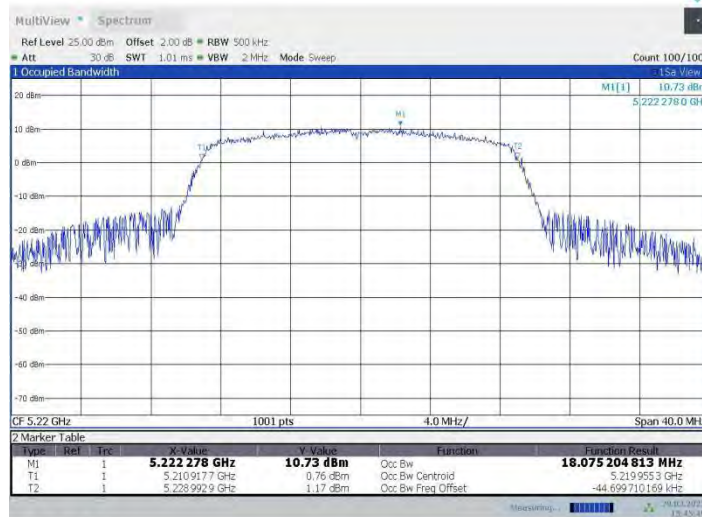
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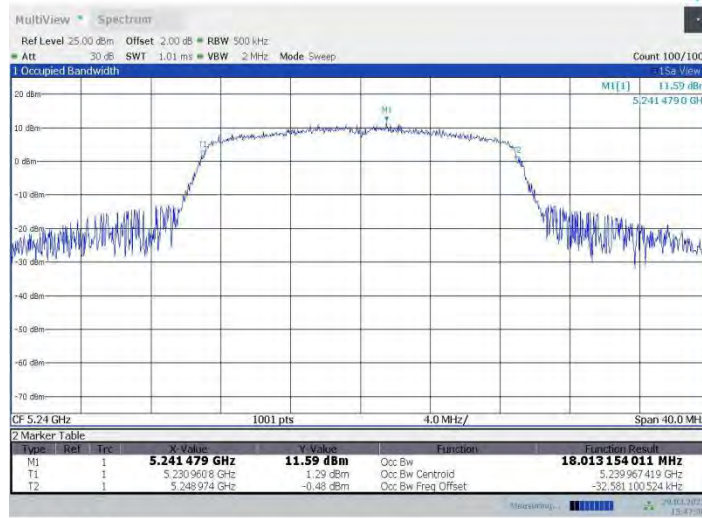


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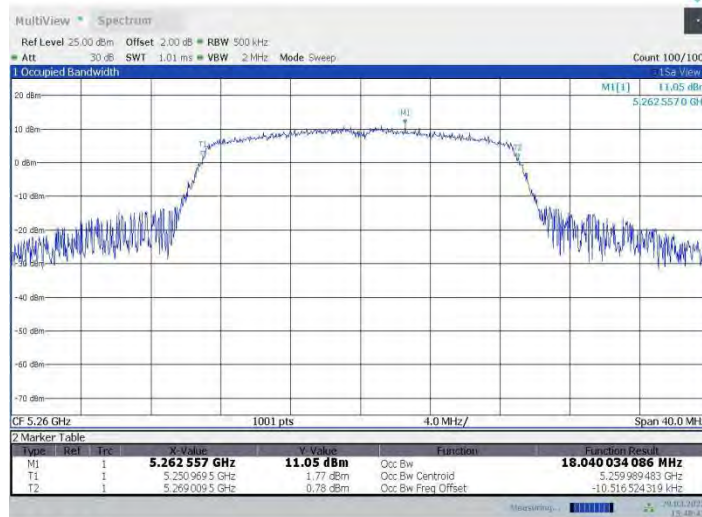
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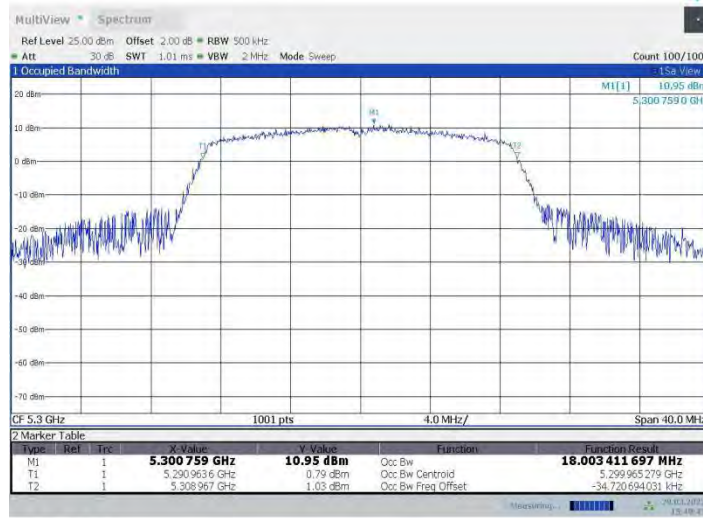
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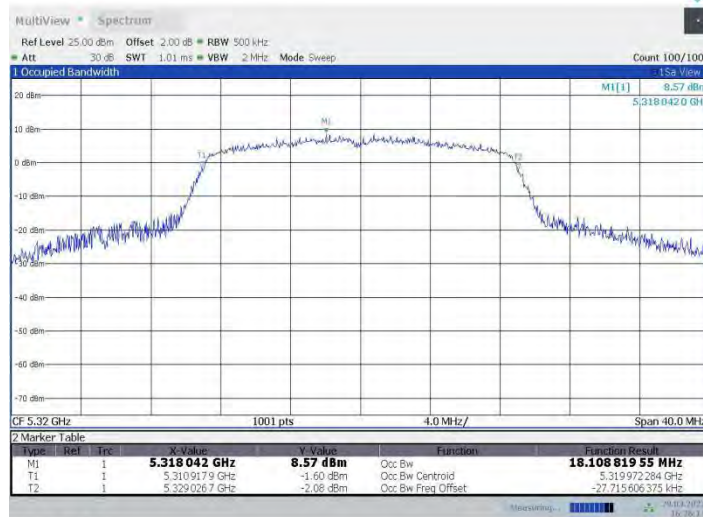
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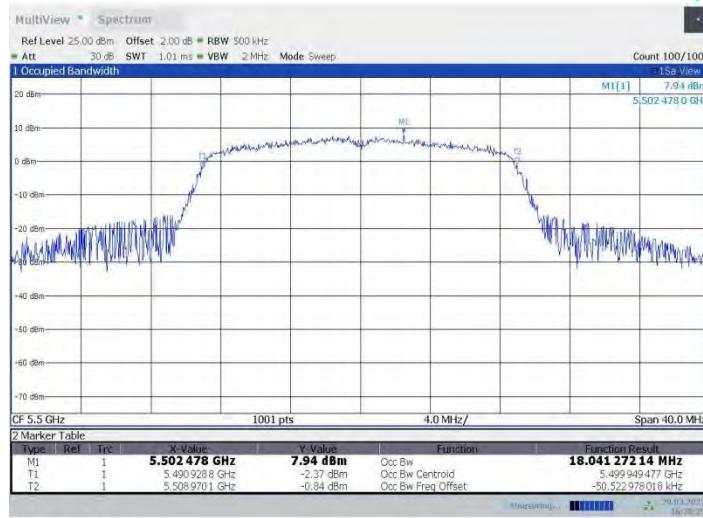
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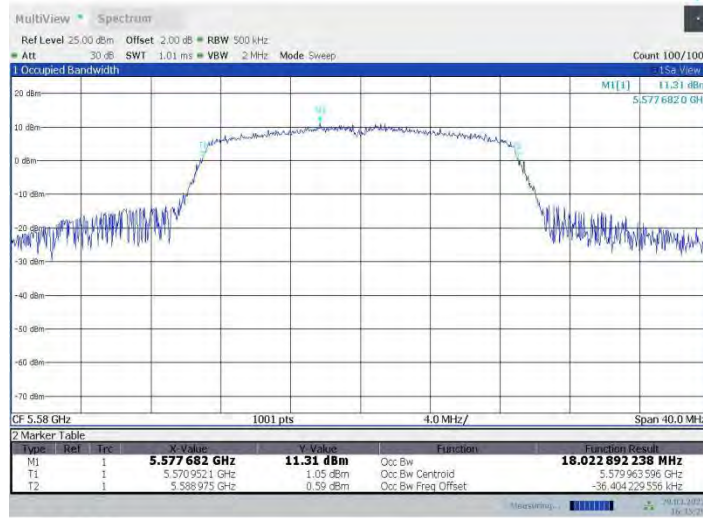
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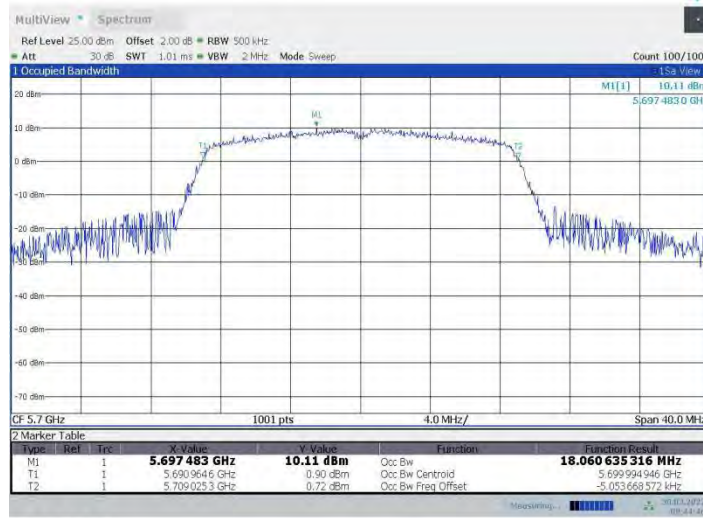


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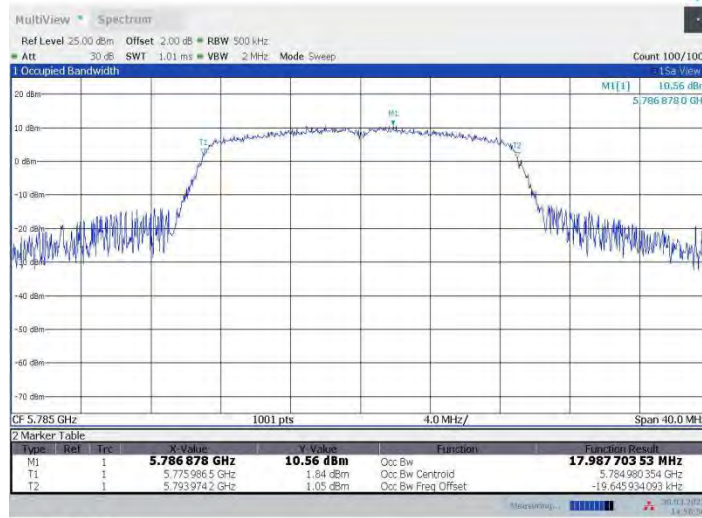


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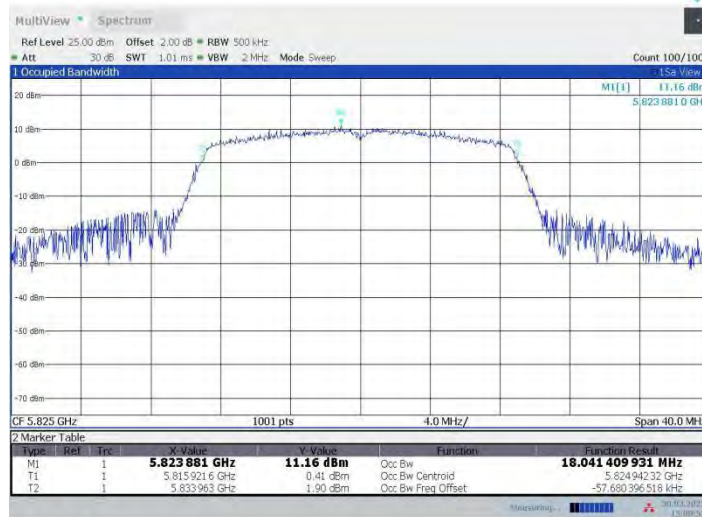
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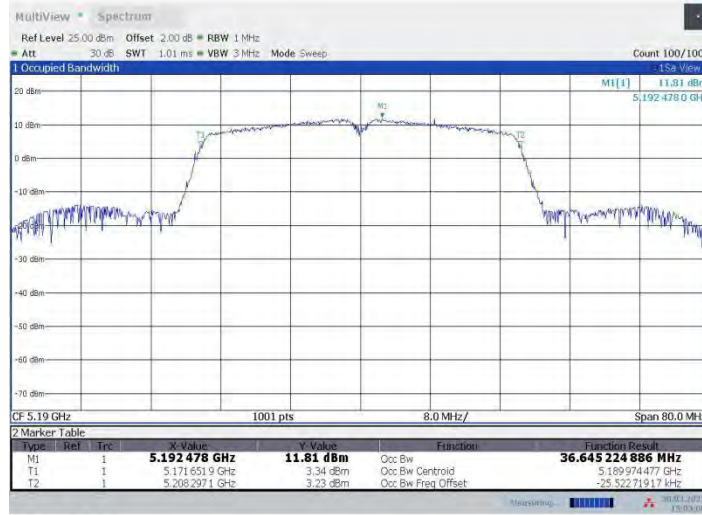
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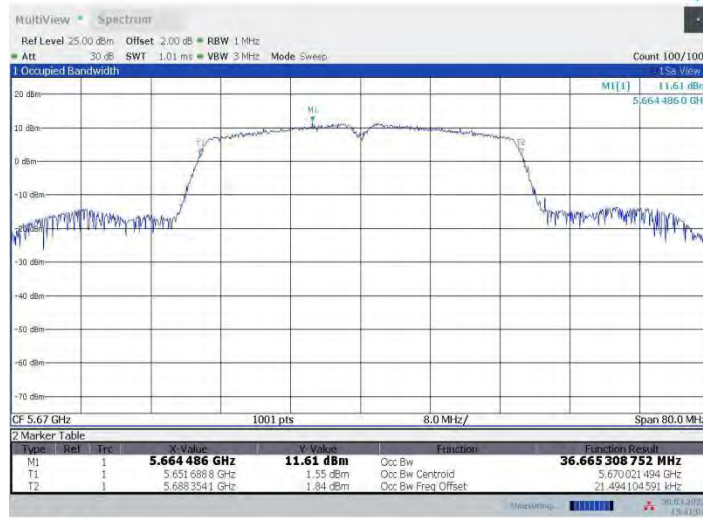


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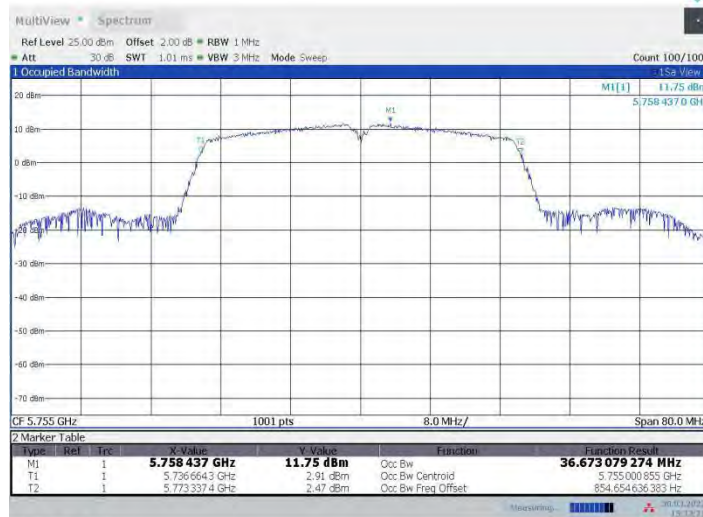
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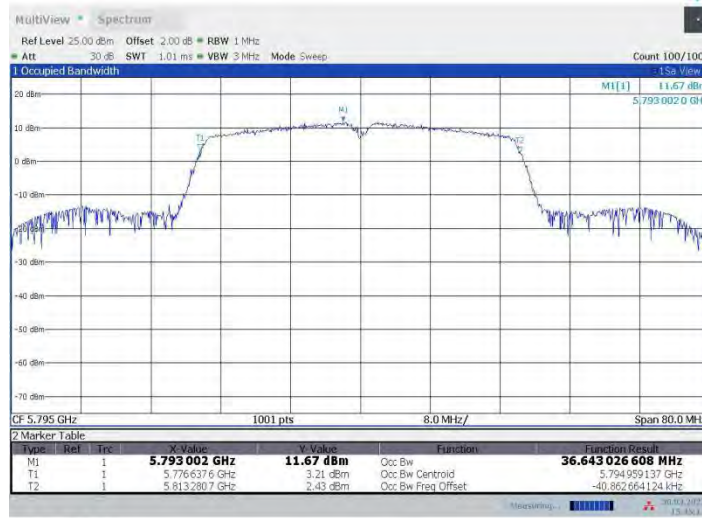
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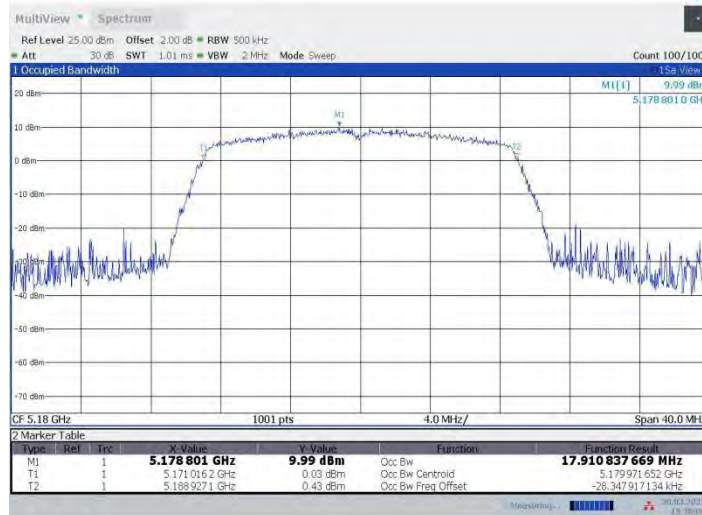
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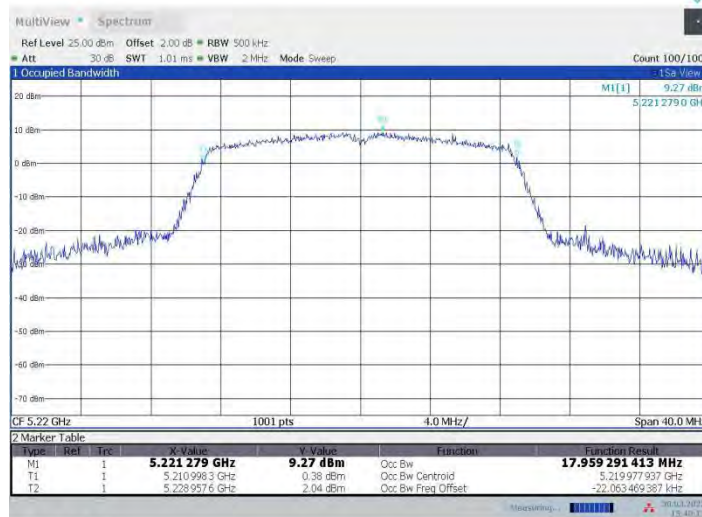
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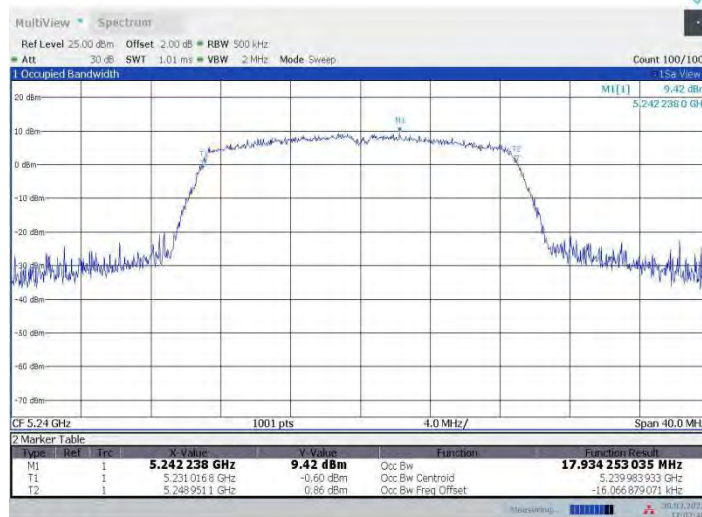
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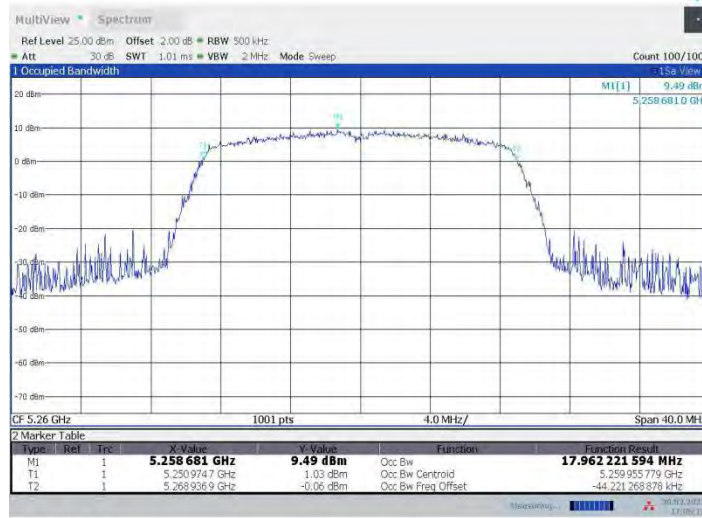
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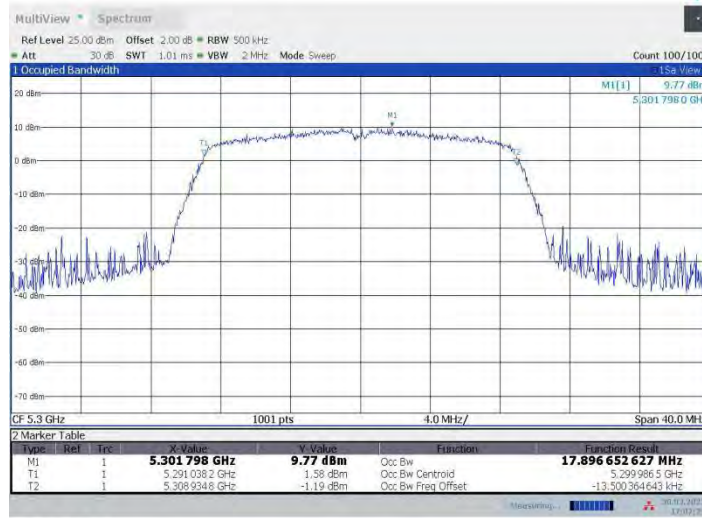
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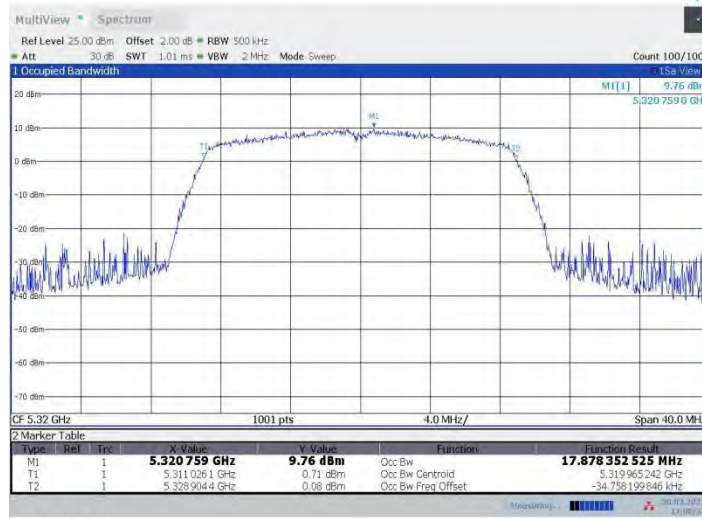
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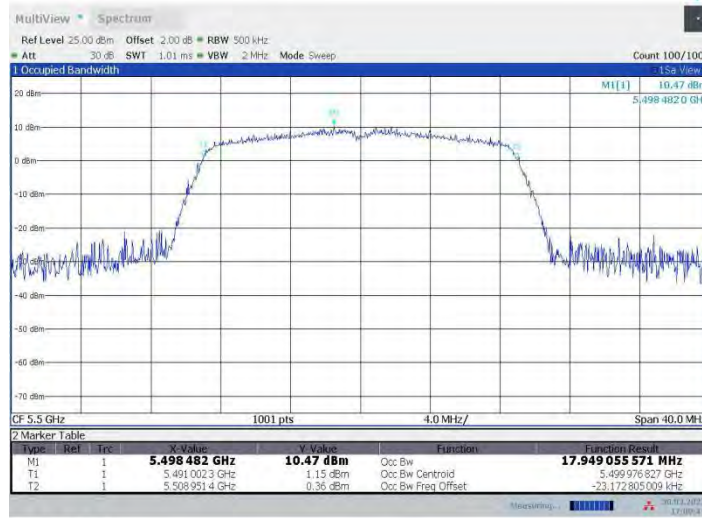
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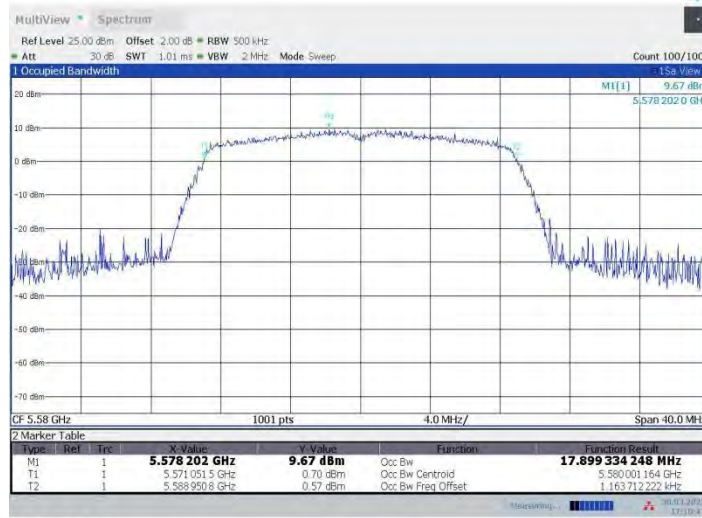


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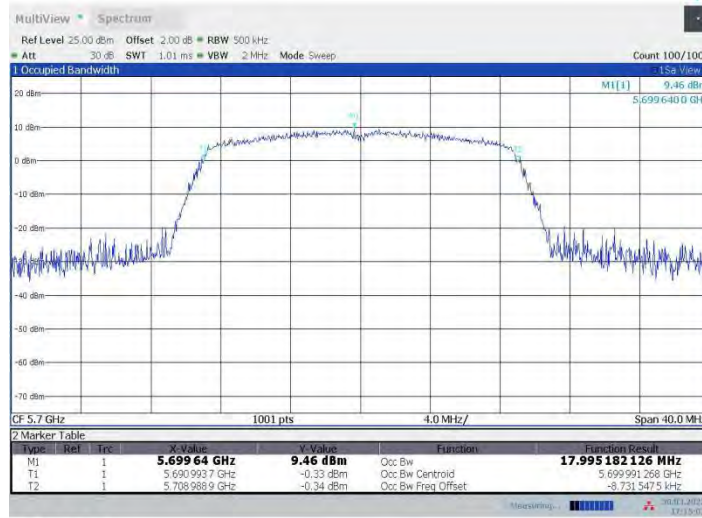
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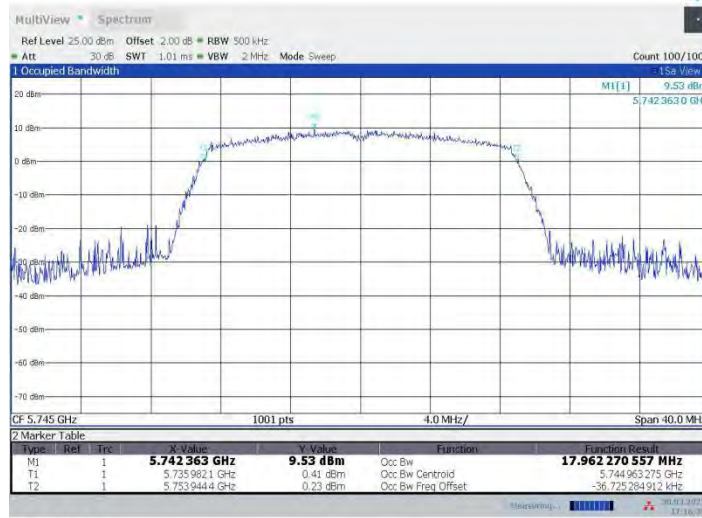
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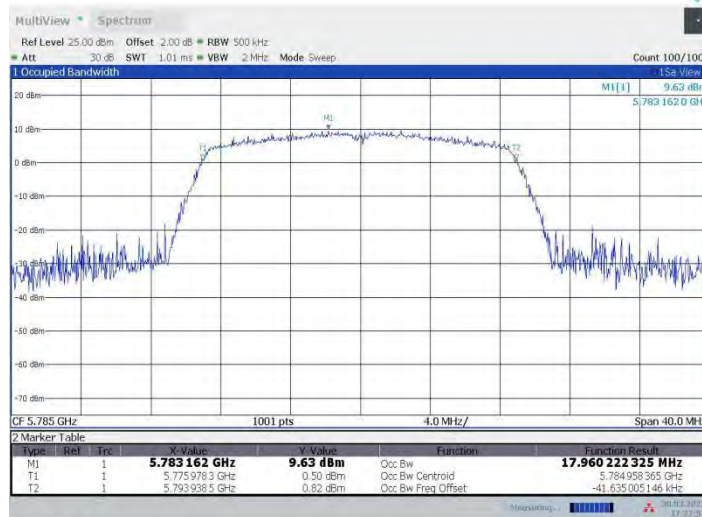
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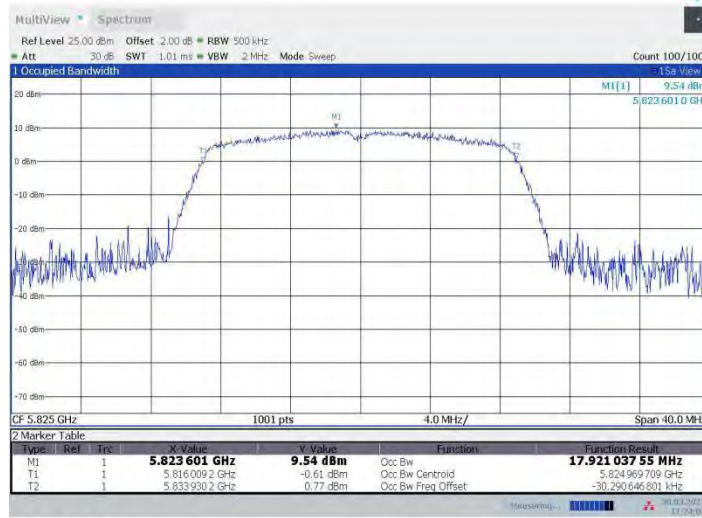
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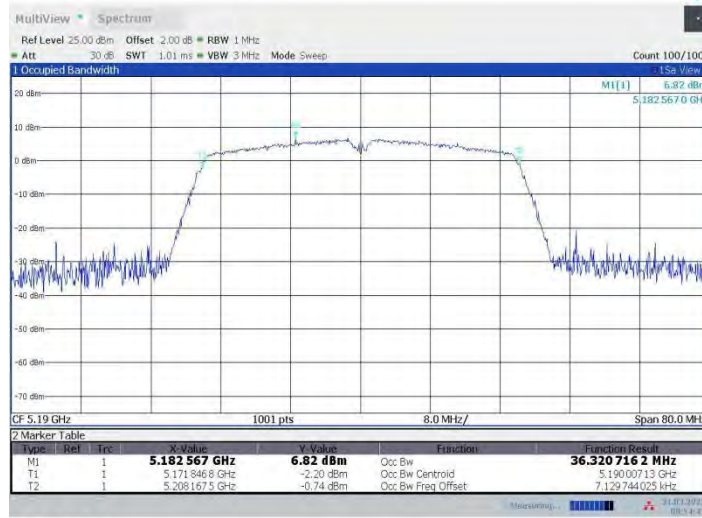
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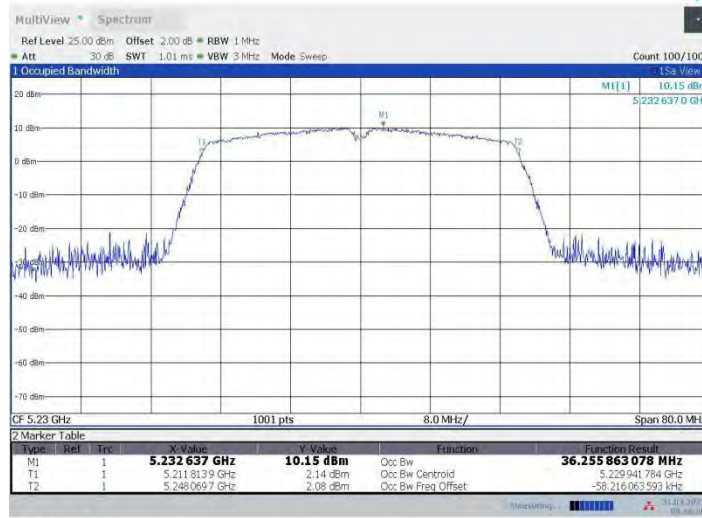


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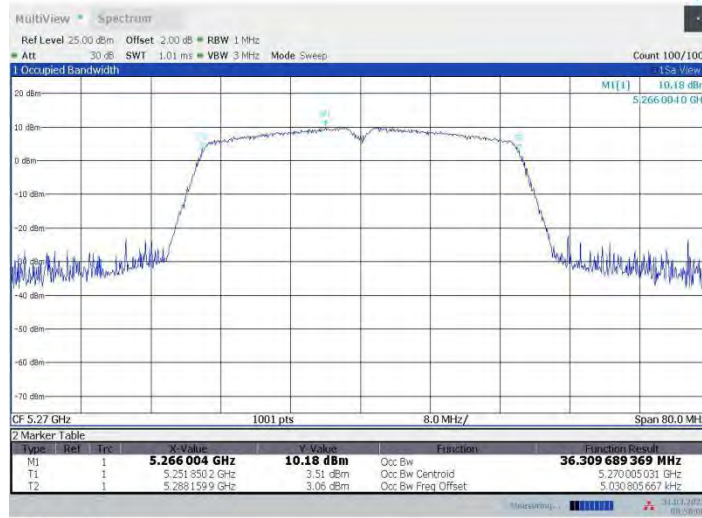
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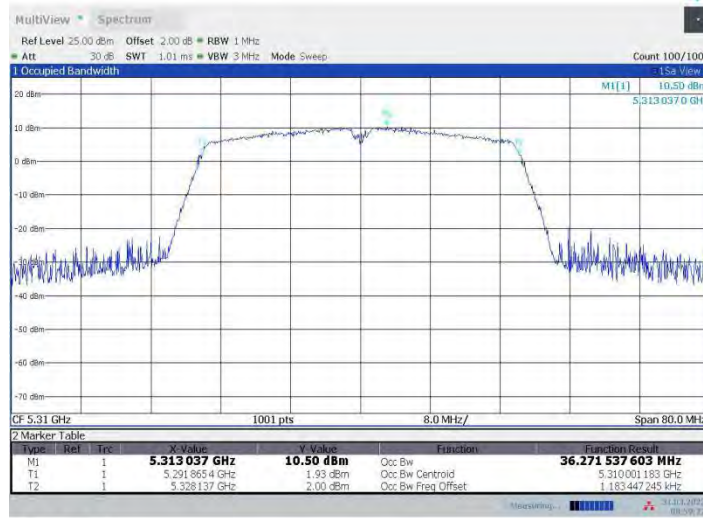
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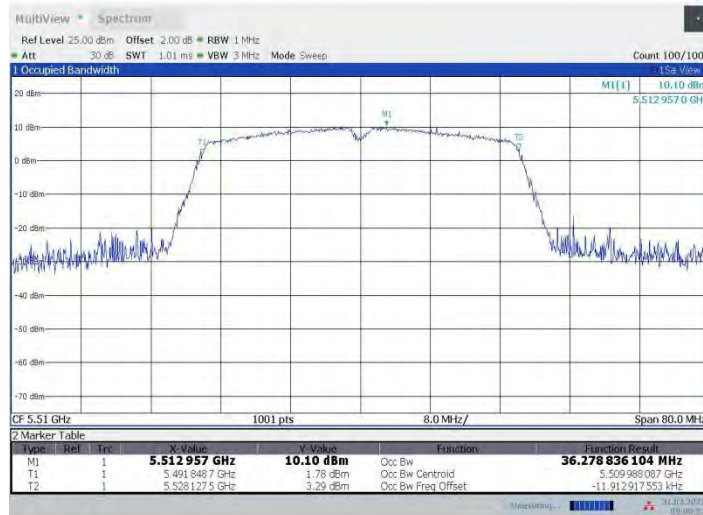
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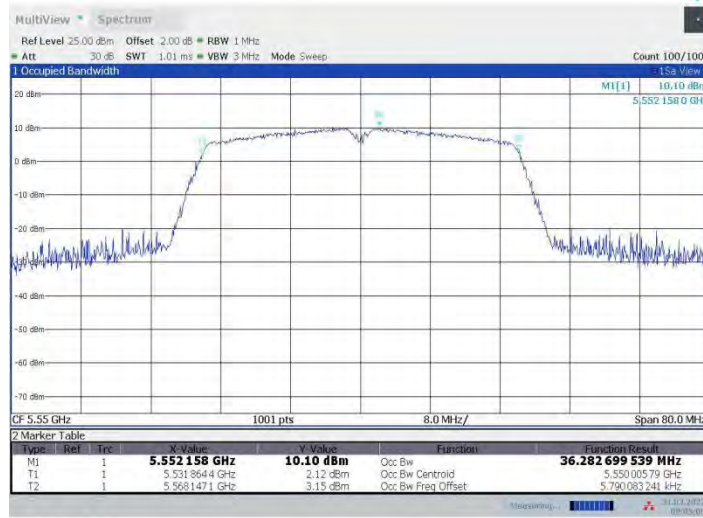


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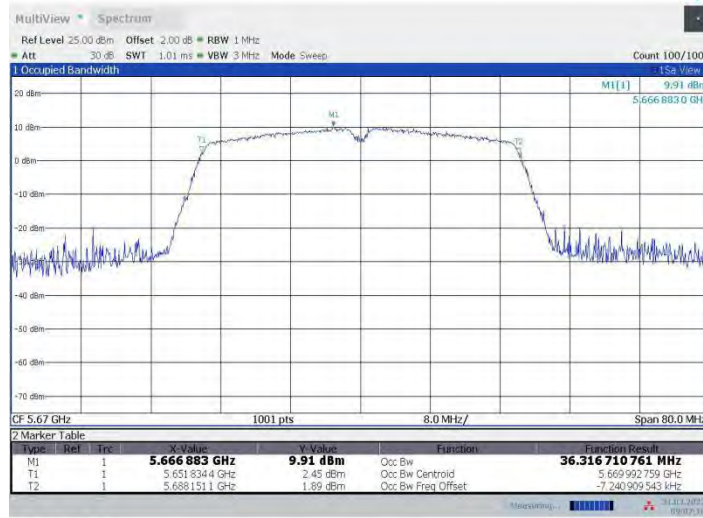
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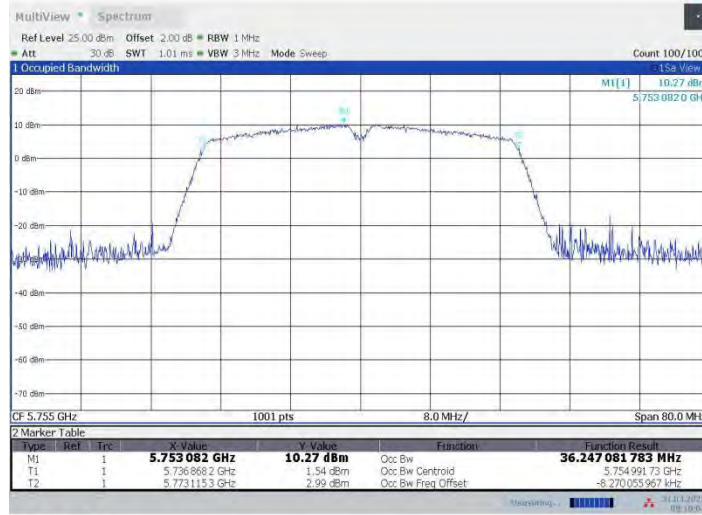


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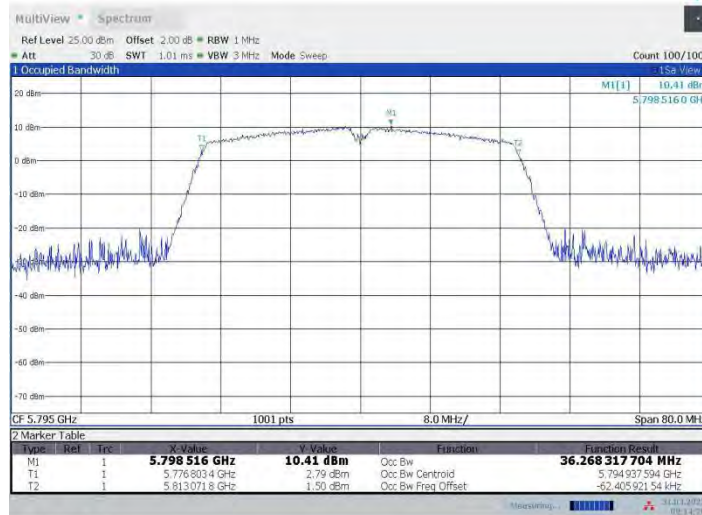
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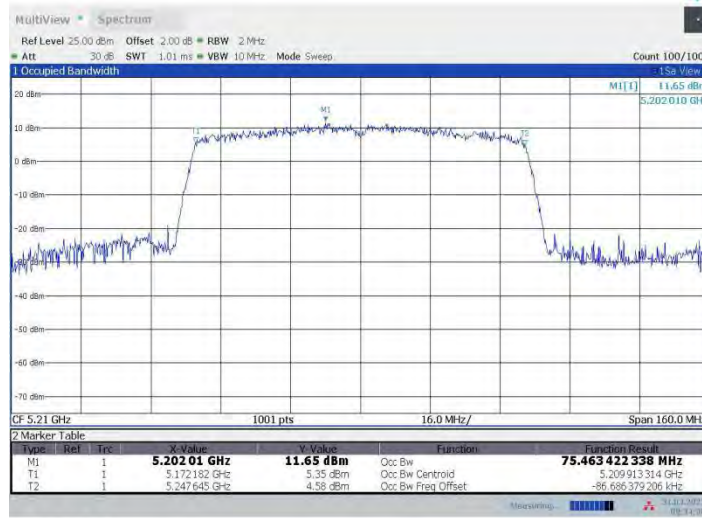
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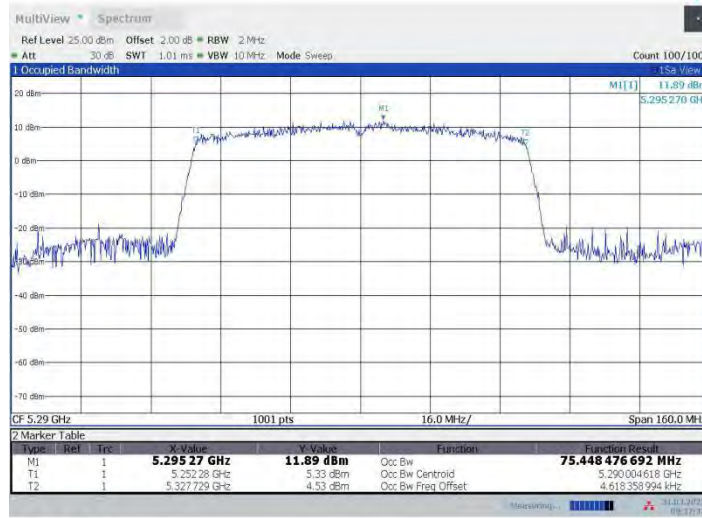
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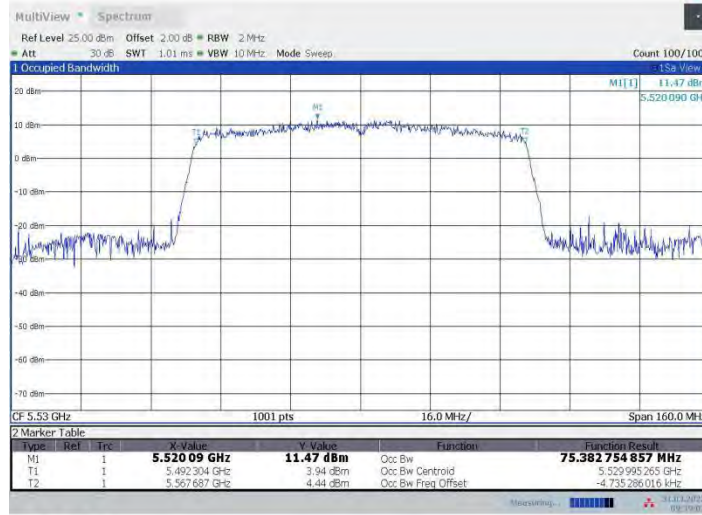
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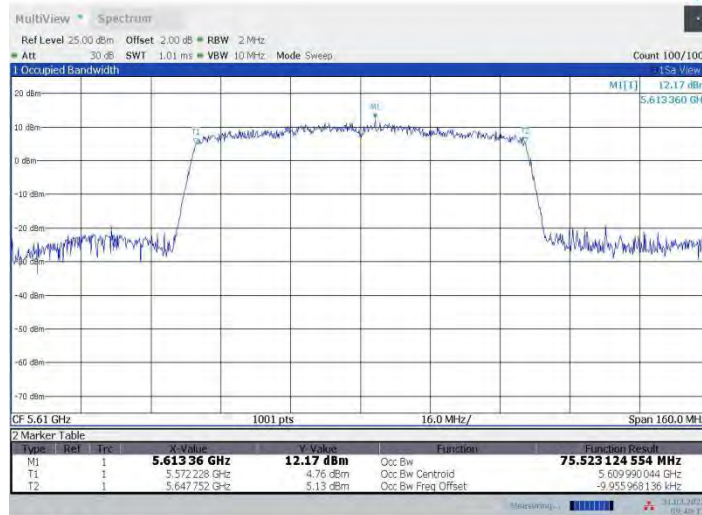
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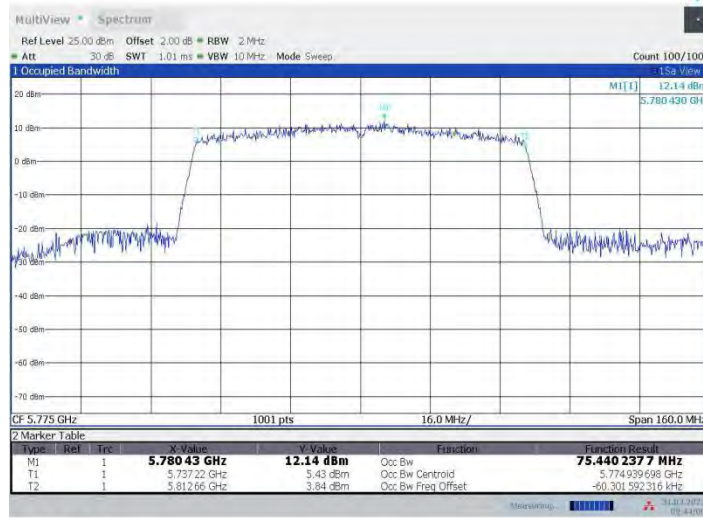


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11AC80SISO_Ant3_5775



09:44:10 31.03.2022



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**6dB emission bandwidth
Test Result B4**

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	15.08	5737.44	5752.52	≥0.5	PASS
		5785	15.08	5777.40	5792.48	≥0.5	PASS
		5825	15.12	5817.40	5832.52	≥0.5	PASS
11N20SISO	Ant3	5745	15.12	5737.44	5752.56	≥0.5	PASS
		5785	15.12	5777.44	5792.56	≥0.5	PASS
		5825	15.16	5817.40	5832.56	≥0.5	PASS
11N40SISO	Ant3	5755	33.92	5738.60	5772.52	≥0.5	PASS
		5795	35.12	5777.40	5812.52	≥0.5	PASS
11AC20SISO	Ant3	5745	13.84	5738.64	5752.48	≥0.5	PASS
		5785	15.16	5777.40	5792.56	≥0.5	PASS
		5825	15.12	5817.44	5832.56	≥0.5	PASS
11AC40SISO	Ant3	5755	35.12	5737.40	5772.52	≥0.5	PASS
		5795	35.12	5777.40	5812.52	≥0.5	PASS
11AC80SISO	Ant3	5775	75.20	5737.40	5812.60	≥0.5	PASS



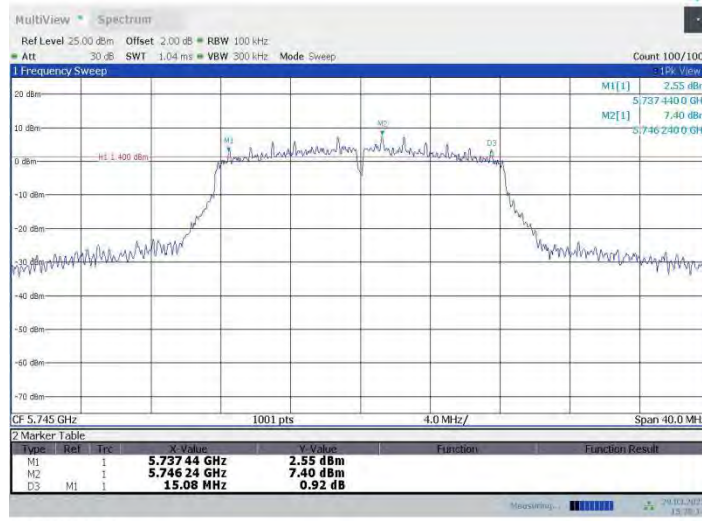
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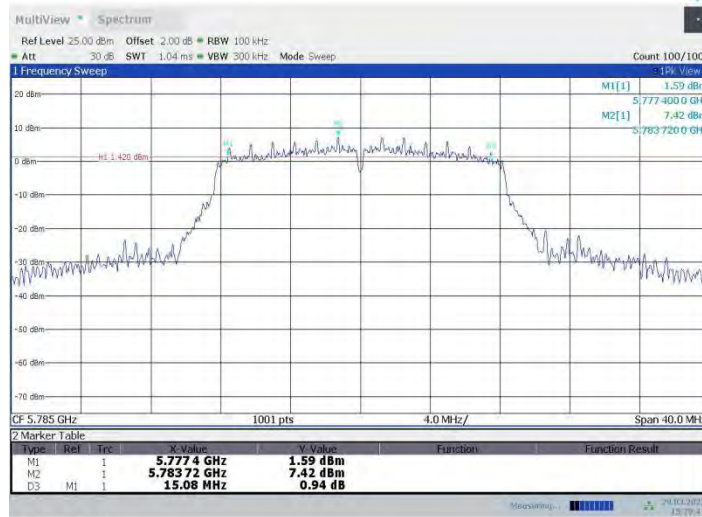
Test Graphs B4

11A Ant3 5745



15:28:14 29.03.2022

11A Ant3 5785



15:29:42 29.03.2022



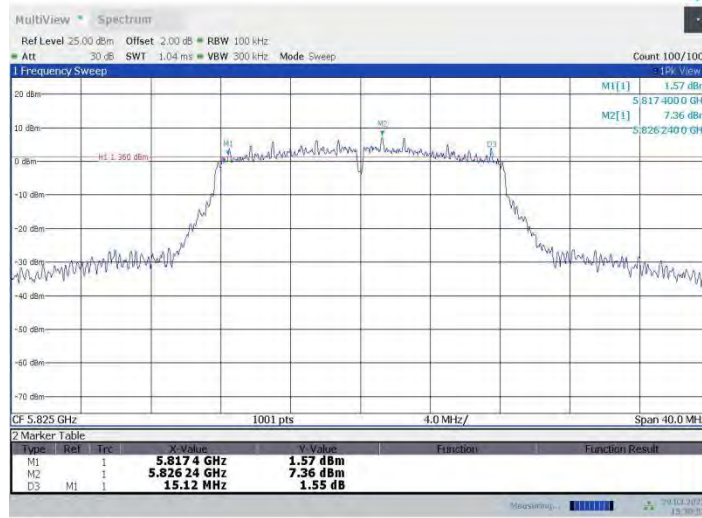
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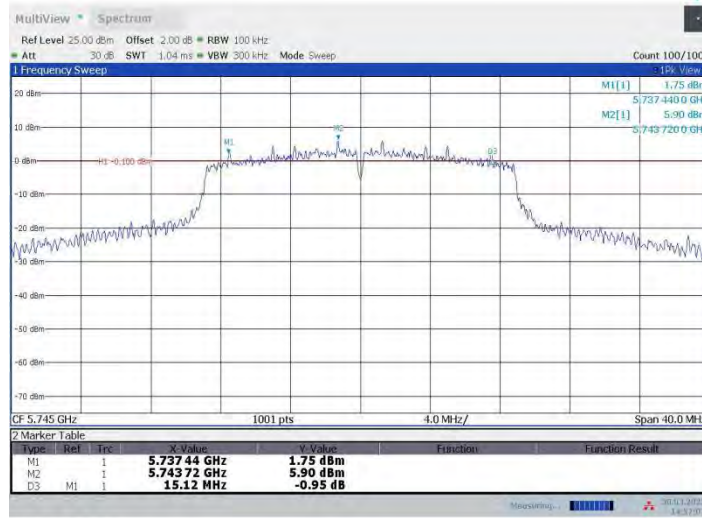
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11A Ant3 5825



15:30:54 29.03.2022

11N20SISO Ant3 5745



14:57:07 30.03.2022



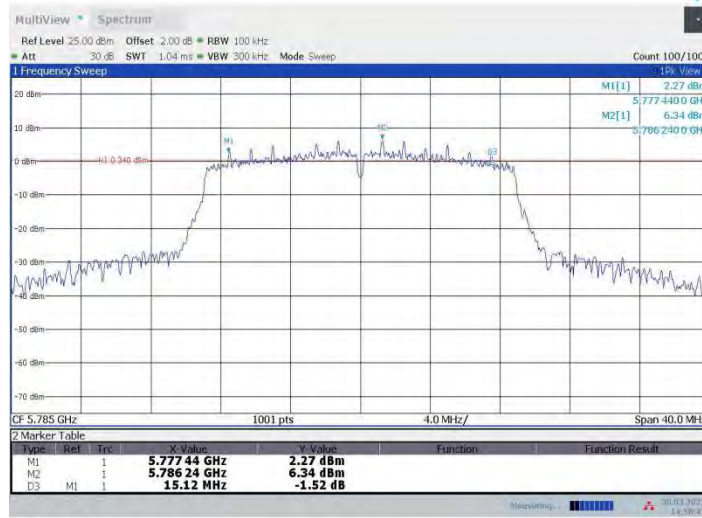
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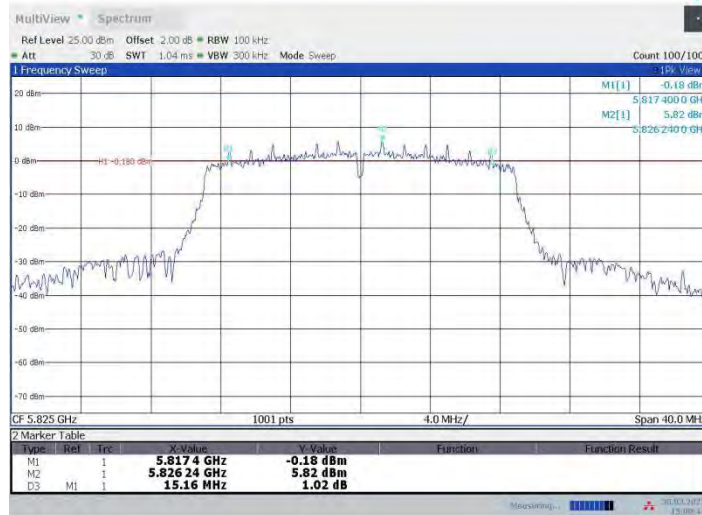
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11N20SISO_Ant3_5785



14:58:46 30.03.2022

11N20SISO_Ant3_5825



15:00:45 30.03.2022



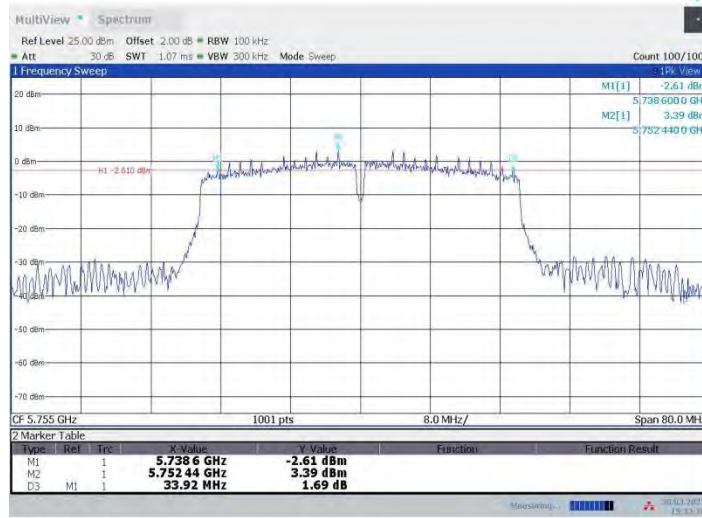
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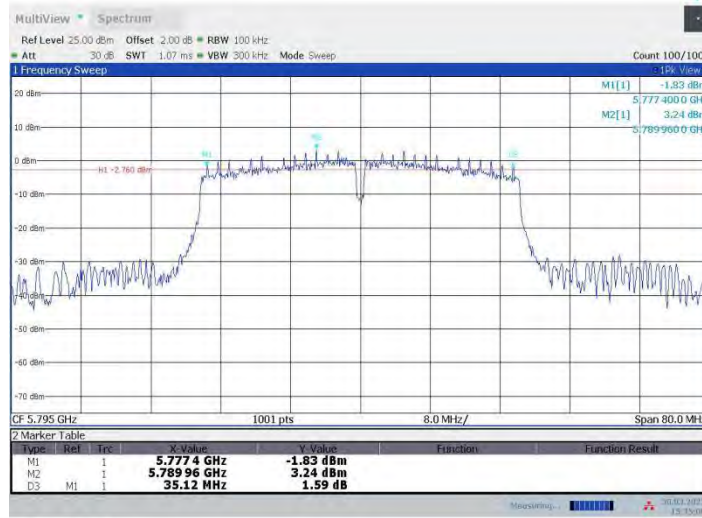
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11N40SISO_Ant3_5755



15:33:10 30.03.2022

11N40SISO_Ant3_5795



15:35:01 30.03.2022



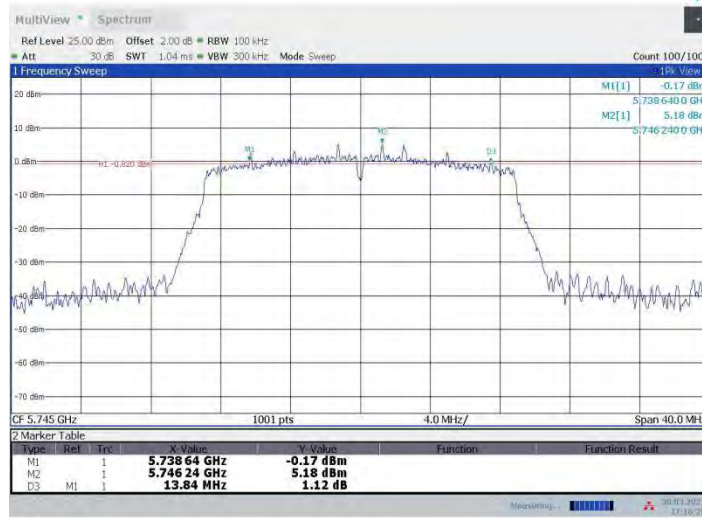
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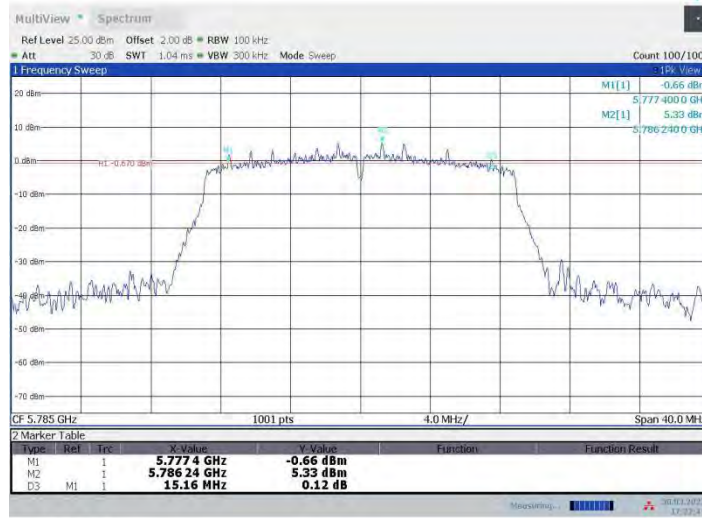
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11AC20SISO Ant3 5745



17:16:29 30.03.2022

11AC20SISO Ant3 5785



17:22:42 30.03.2022



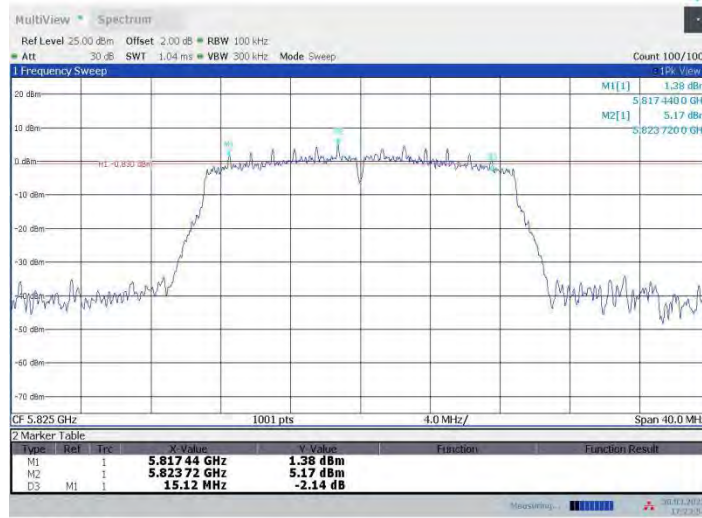
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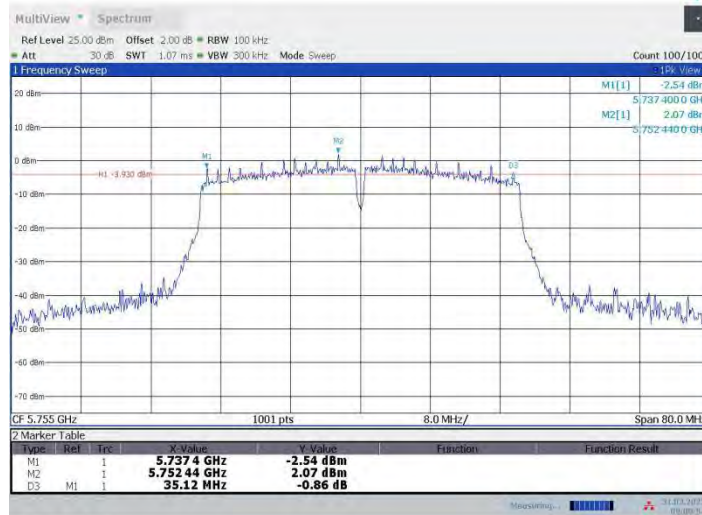
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11AC20SISO Ant3 5825



17:23:55 30.03.2022

11AC40SISO Ant3 5755



09:09:55 31.03.2022



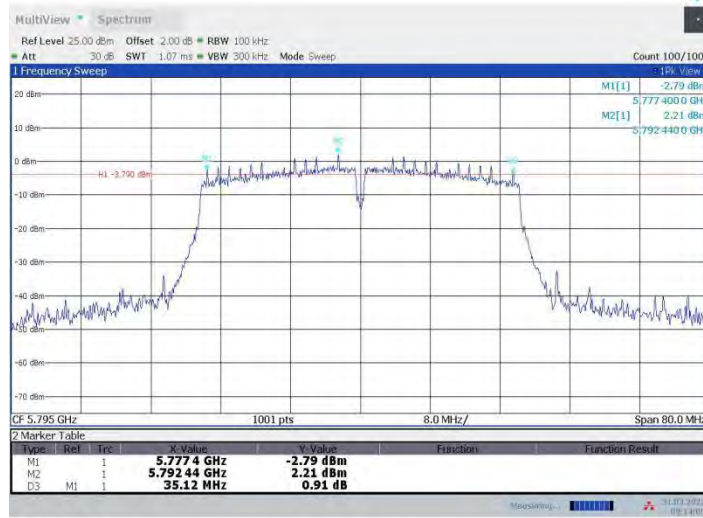
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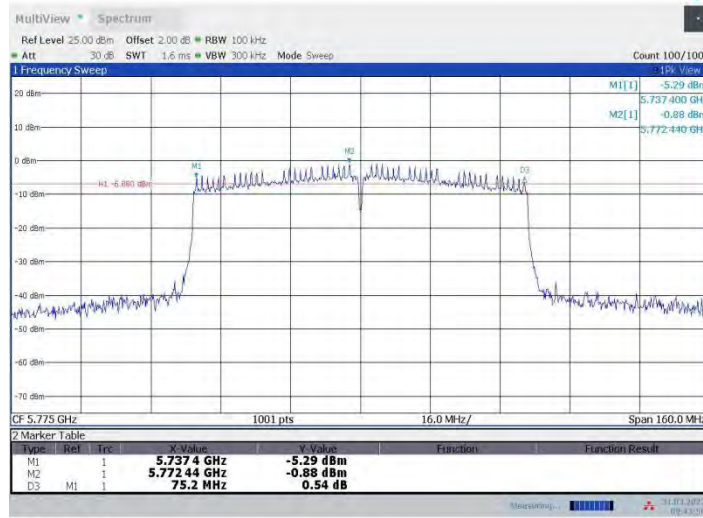
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11AC40SISO Ant3 5795



09:14:10 31.03.2022

11AC80SISO Ant3 5775



09:43:59 31.03.2022



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**Maximum conducted output power
Test Result Channel Power**

Test Mode	Antenna	Frequency [MHz]	Conducted power[dBm]	Limit [dBm]	Verdict		
11A	Ant3	5180	17.89	≤23.98	PASS		
		5220	17.75	≤23.98	PASS		
		5240	17.73	≤23.98	PASS		
		5260	17.81	≤23.90	PASS		
		5300	18.00	≤23.95	PASS		
		5320	17.98	≤23.91	PASS		
		5500	16.40	≤23.90	PASS		
		5580	17.38	≤23.95	PASS		
		5700	17.60	≤23.98	PASS		
		5745	17.72	≤30.00	PASS		
		5785	17.64	≤30.00	PASS		
		5825	17.66	≤30.00	PASS		
		11N20SISO	Ant3	5180	16.49	≤23.98	PASS
				5220	16.61	≤23.98	PASS
5240	16.54			≤23.98	PASS		
5260	16.57			≤23.98	PASS		
5300	16.55			≤23.98	PASS		
5320	16.62			≤23.98	PASS		
5500	15.85			≤23.98	PASS		
5580	16.32			≤23.98	PASS		
5700	15.52			≤23.98	PASS		
5745	16.48			≤30.00	PASS		
5785	16.45			≤30.00	PASS		
5825	16.51			≤30.00	PASS		
11N40SISO	Ant3			5190	16.73	≤23.98	PASS
				5230	16.71	≤23.98	PASS
		5270	16.67	≤23.98	PASS		
		5310	15.23	≤23.98	PASS		
		5510	14.08	≤23.98	PASS		



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		5550	16.56	≤23.98	PASS		
		5670	15.24	≤23.98	PASS		
		5755	16.68	≤30.00	PASS		
		5795	16.65	≤30.00	PASS		
11AC20SISO	Ant3	5180	15.59	≤23.98	PASS		
		5220	15.61	≤23.98	PASS		
		5240	15.66	≤23.98	PASS		
		5260	15.67	≤23.98	PASS		
		5300	15.61	≤23.98	PASS		
		5320	15.63	≤23.98	PASS		
		5500	15.43	≤23.98	PASS		
		5580	15.34	≤23.98	PASS		
		5700	15.56	≤23.98	PASS		
		5745	15.61	≤30.00	PASS		
		5785	15.65	≤30.00	PASS		
		5825	15.67	≤30.00	PASS		
		11AC40SISO	Ant3	5190	15.12	≤23.98	PASS
				5230	15.09	≤23.98	PASS
5270	15.06			≤23.98	PASS		
5310	15.10			≤23.98	PASS		
5510	14.91			≤23.98	PASS		
5550	14.98			≤23.98	PASS		
5670	15.02			≤23.98	PASS		
5755	15.00			≤30.00	PASS		
5795	15.01			≤30.00	PASS		
11AC80SISO	Ant3	5210	14.90	≤23.98	PASS		
		5290	15.08	≤23.98	PASS		
		5530	14.02	≤23.98	PASS		
		5610	14.75	≤23.98	PASS		
		5775	14.81	≤30.00	PASS		

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



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**Maximum power spectral density
Test Result**

TestMode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5180	7.63	≤11.00	PASS
		5220	7.78	≤11.00	PASS
		5240	7.58	≤11.00	PASS
		5260	7.64	≤11.00	PASS
		5300	7.59	≤11.00	PASS
		5320	7.72	≤11.00	PASS
		5500	6.03	≤11.00	PASS
		5580	7.58	≤11.00	PASS
		5700	7.42	≤11.00	PASS
		5745	4.82	≤30.00	PASS
		5785	4.81	≤30.00	PASS
		5825	4.73	≤30.00	PASS
		11N20SISO	Ant3	5180	6.42
5220	6.42			≤11.00	PASS
5240	6.39			≤11.00	PASS
5260	6.34			≤11.00	PASS
5300	6.34			≤11.00	PASS
5320	6.23			≤11.00	PASS
5500	6.53			≤11.00	PASS
5580	6.3			≤11.00	PASS
5700	4.89			≤11.00	PASS
5745	3.65			≤30.00	PASS
5785	3.37			≤30.00	PASS
5825	3.38			≤30.00	PASS
11N40SISO	Ant3			5190	3.52
		5230	3.57	≤11.00	PASS
		5270	3.37	≤11.00	PASS
		5310	1.27	≤11.00	PASS
		5510	0.62	≤11.00	PASS



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		5550	3.14	≤11.00	PASS		
		5670	1.9	≤11.00	PASS		
		5755	0.27	≤30.00	PASS		
		5795	0.58	≤30.00	PASS		
11AC20SISO	Ant3	5180	5.33	≤11.00	PASS		
		5220	2.25	≤11.00	PASS		
		5240	4.62	≤11.00	PASS		
		5260	5.17	≤11.00	PASS		
		5300	5.4	≤11.00	PASS		
		5320	5.35	≤11.00	PASS		
		5500	5.21	≤11.00	PASS		
		5580	5.09	≤11.00	PASS		
		5700	5.09	≤11.00	PASS		
		5745	2.23	≤30.00	PASS		
		5785	2.47	≤30.00	PASS		
		5825	2.37	≤30.00	PASS		
		11AC40SISO	Ant3	5190	1.93	≤11.00	PASS
				5230	1.84	≤11.00	PASS
5270	1.72			≤11.00	PASS		
5310	1.93			≤11.00	PASS		
5510	1.7			≤11.00	PASS		
5550	1.63			≤11.00	PASS		
5670	1.56			≤11.00	PASS		
5755	-1.15			≤30.00	PASS		
5795	-1.18			≤30.00	PASS		
11AC80SISO	Ant3	5210	-1.23	≤11.00	PASS		
		5290	-1.18	≤11.00	PASS		
		5530	-2.97	≤11.00	PASS		
		5610	-1.62	≤11.00	PASS		
		5775	-4.26	≤30.00	PASS		

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

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



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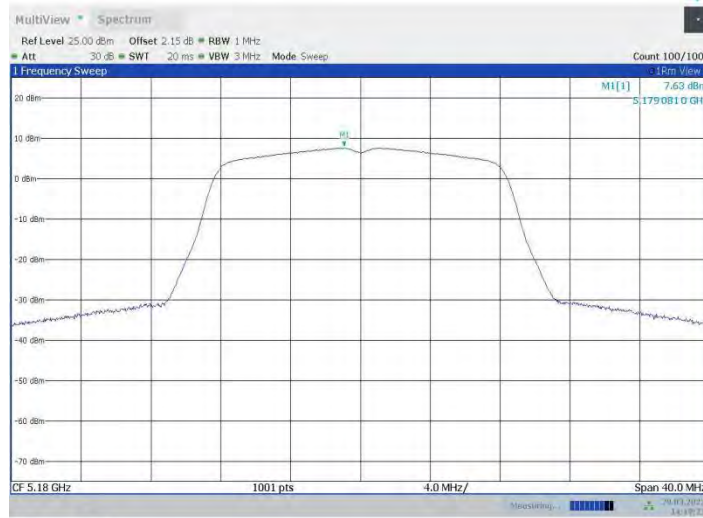
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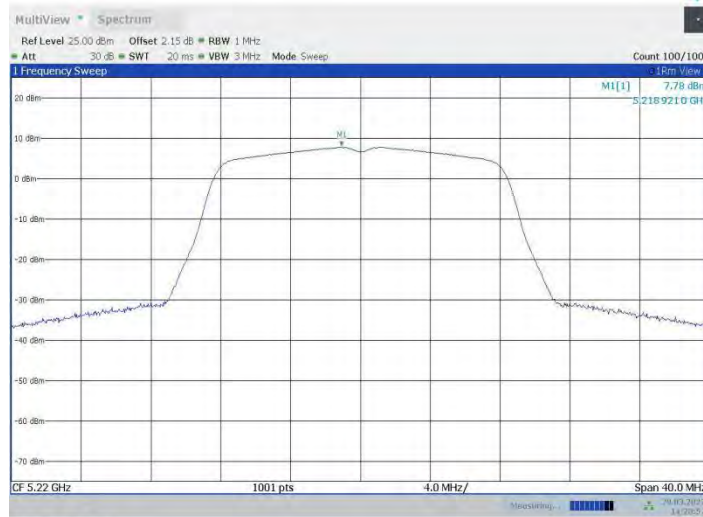
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Test Graphs

11A_Ant3_5180



11A_Ant3_5220



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