

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 1 of 298

TEST REPORT

Application No.: SZCR2511004907AT
Applicant: SZ DJI Osmo Technology Co.,Ltd.
Address of Applicant: Room S11, Floor 23, Tower 1, DJI Sky City, No.55 Xianyuan Road, Xili Community, Xili Street,Nanshan District, Shenzhen, China
Manufacturer: SZ DJI Osmo Technology Co., Ltd.
Address of Manufacturer: Room S11, Floor 23, Tower 1, DJI Sky City, No. 55 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
Equipment Under Test (EUT):
EUT Name: DJI SDR Transmission 2 Transceiver
Model No.: DST-2
Trade Mark: DJI
FCC ID: 2ANDR-DST2501
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-11-10
Date of Test: 2025-12-03 to 2025-12-10
Date of Issue: 2025-12-10

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Keny Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (EMC Laboratory)

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 2 of 298

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-12-10		Original

Authorized for issue by:				
		Donjon Huang		
		Donjon Huang/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		ANSI C63.10 (2020) Section 12.2	ANSI C63.10 (2020) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2020) Section 12.5.3	ANSI C63.10 (2020) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2020) Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2020) Section 12.5.1	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		ANSI C63.10 (2020) Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		ANSI C63.10 (2020) Section 12.6	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2020) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass



3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	6
4.1 Details of E.U.T.	6
4.2 Description of Support Units	9
4.3 Measurement Uncertainty	9
4.4 Test Location	11
4.5 Test Facility	11
4.6 Deviation from Standards	11
4.7 Abnormalities from Standard Conditions	11
5 Equipment List	12
6 Radio Spectrum Technical Requirement	15
6.1 Antenna Requirement	15
6.1.1 Test Requirement:	15
6.1.2 Conclusion	15
6.2 Transmission in the Absence of Data	16
6.2.1 Test Requirement:	16
6.2.2 Conclusion	16
7 Radio Spectrum Matter Test Results	17
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	17
7.1.1 E.U.T. Operation	17
7.1.2 Test Mode Description	17
7.1.3 Test Setup Diagram	18
7.1.4 Measurement Procedure and Data	18
7.2 Radiated Emissions (Below 1GHz)	21
7.2.1 E.U.T. Operation	21
7.2.2 Test Mode Description	21
7.2.3 Test Setup Diagram	22
7.2.4 Measurement Procedure and Data	23
7.3 Radiated Emissions (Above 1GHz)	26
7.3.1 E.U.T. Operation	27
7.3.2 Test Mode Description	27
7.3.3 Test Setup Diagram	27
7.3.4 Measurement Procedure and Data	28
7.4 Radiated Emissions which fall in the restricted bands	35
7.4.1 E.U.T. Operation	36
7.4.2 Test Mode Description	36
7.4.3 Test Setup Diagram	36



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 5 of 298

7.4.4	Measurement Procedure and Data.....	37
7.5	Duty Cycle	59
7.5.1	E.U.T. Operation	59
7.5.2	Test Mode Description	59
7.5.3	Test Setup Diagram	59
7.5.4	Measurement Procedure and Data.....	60
7.6	99% Bandwidth	61
7.6.1	E.U.T. Operation	61
7.6.2	Test Mode Description	61
7.6.3	Test Setup Diagram	61
7.6.4	Measurement Procedure and Data.....	62
7.7	26dB Emission bandwidth	63
7.7.1	E.U.T. Operation	63
7.7.2	Test Mode Description	63
7.7.3	Test Setup Diagram	63
7.7.4	Measurement Procedure and Data.....	64
7.8	Minimum 6 dB bandwidth (5.725-5.85 GHz band)	65
7.8.1	E.U.T. Operation	65
7.8.2	Test Mode Description	65
7.8.3	Test Setup Diagram	66
7.8.4	Measurement Procedure and Data.....	66
7.9	Maximum Conducted output power	67
7.9.1	E.U.T. Operation	67
7.9.2	Test Mode Description	67
7.9.3	Test Setup Diagram	68
7.9.4	Measurement Procedure and Data.....	68
7.10	Peak Power spectrum density.....	69
7.10.1	E.U.T. Operation.....	69
7.10.2	Test Mode Description.....	69
7.10.3	Test Setup Diagram.....	70
7.10.4	Measurement Procedure and Data	70
7.11	Frequency Stability	71
7.11.1	E.U.T. Operation.....	71
7.11.2	Test Mode Description.....	71
7.11.3	Test Setup Diagram.....	71
7.11.4	Measurement Procedure and Data	72
8	Test Setup Photo	73
9	EUT Constructional Details (EUT Photos)	73
10	Appendix.....	74



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V from AC/DC adapter
Cable Loss (for RF conducted test):	1.5dB
Operation Frequency:	Band 1 10MHz 20M-2-0: 5155.42MHz-5237.42MHz(83Channel) 20M-2-1: 5166.58MHz-5232.58MHz(67Channel) 40M-3-0: 5156.66MHz-5221.66MHz(66Channel) 40M-3-1: 5170MHz-5235MHz(66Channel) 40M-3-2: 5183.44MHz-5243.44MHz(61Channel) 40M-4-0: 5155.36MHz-5220.36MHz(66Channel) 40M-4-1: 5165.11MHz-5230.11MHz(66Channel) 40M-4-2: 5174.89MHz-5239.89MHz(66Channel) 40M-4-3: 5184.64MHz-5233MHz(73Channel) 20MHz 20M-1-0: 5161MHz-5232.58MHz(67Channel) 40MHz 40M-1-0: 5170MHz-5230MHz(61Channel) Band 2 10MHz 20M-2-0: 5256.42MHz-5314.42MHz(59Channel) 20M-2-1: 5261.58MHz-5325.58MHz(65Channel) 40M-3-0: 5256.56MHz-5296.56MHz(41Channel) 40M-3-1: 5264MHz-5310MHz(47Channel) 40M-3-2: 5277.44MHz-5323.44MHz(47Channel) 40M-4-0: 5256.36MHz-5295.36MHz(40Channel) 40M-4-1: 5259.11MHz-5305.11MHz(47Channel) 40M-4-2: 5268.89MHz-5314.89MHz(47Channel) 40M-4-3: 5278.64MHz-5324.64MHz(47Channel) 20MHz 20M-1-0: 5260MHz-5320MHz(61Channel) 40MHz 40M-1-0: 5270MHz-5310MHz(41Channel) Band 3 10MHz 20M-2-0: 5475.42MHz-5712.42MHz(238Channel) 20M-2-1: 5486.58MHz-5732.58MHz(238Channel)



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 7 of 298

	40M-3-0: 5476.56MHz-5696.56MHz(221Channel) 40M-3-1: 5490MHz-5710MHz(221Channel) 40M-3-2: 5503.44MHz-5723.44MHz(221Channel) 40M-4-0: 5475.36MHz-5695.36MHz(221Channel) 40M-4-1: 5485.11MHz-5705.11MHz(221Channel) 40M-4-2: 5494.89MHz-5714.89MHz(221Channel) 40M-4-3: 5504.64MHz-5724.64MHz(221Channel) 20MHz 20M-1-0: 5480MHz-5720MHz(241Channel) 40MHz 40M-1-0: 5490MHz-5710MHz(221Channel) Band 4 5MHz 5M-1-0: 5732.5MHz-5842.5MHz(23Channel) 10M-2-0: 5733.26MHz-5835.26MHz(103Channel) 10M-2-1: 5739.74MHz-5841.74MHz(103Channel) 10MHz 40M-3-0: 5732.06MHz-5817.06MHz(86Channel) 40M-3-1: 5745.5MHz-5830.5MHz(86Channel) 40M-3-2: 5758.94MHz-5843.94MHz(86Channel) 40M-4-0: 5730.86MHz-5815.86MHz(86Channel) 40M-4-1: 5740.61MHz-5825.61MHz(86Channel) 40M-4-2: 5750.39MHz-5835.39MHz(86Channel) 40M-4-3: 5760.14MHz-5845.14MHz(86Channel) 20MHz 20M-1-0: 5735.5MHz-5839.5MHz(105Channel) 40MHz 40M-1-0: 5745.5MHz-5830.5MHz(86Channel)
Modulation Type:	OFDM
Channel Spacing:	Band 1 10MHz 20M-2-0: 1MHz 20M-2-1: 1MHz 40M-3-0: 1MHz 40M-3-1: 1MHz 40M-3-2: 1MHz 40M-4-0: 1MHz 40M-4-1: 1MHz 40M-4-2: 1MHz



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 8 of 298

	40M-4-3: 1MHz 20MHz 20M-1-0: 1MHz 40MHz 40M-1-0: 1MHz Band 2 10MHz 20M-2-0: 1MHz 20M-2-1: 1MHz 40M-3-0: 1MHz 40M-3-1: 1MHz 40M-3-2: 1MHz 40M-4-0: 1MHz 40M-4-1: 1MHz 40M-4-2: 1MHz 40M-4-3: 1MHz 20MHz 20M-1-0: 1MHz 40MHz 40M-1-0: 1MHz Band 3 10MHz 20M-2-0: 1MHz 20M-2-1: 1MHz 40M-3-0: 1MHz 40M-3-1: 1MHz 40M-3-2: 1MHz 40M-4-0: 1MHz 40M-4-1: 1MHz 40M-4-2: 1MHz 40M-4-3: 1MHz 20MHz 20M-1-0: 1MHz 40MHz 40M-1-0: 1MHz Band 4 5MHz 5M-1-0: 5MHz
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 9 of 298

	10M-2-0: 1MHz 10M-2-1: 1MHz 10MHz 40M-3-0: 1MHz 40M-3-1: 1MHz 40M-3-2: 1MHz 40M-4-0: 1MHz 40M-4-1: 1MHz 40M-4-2: 1MHz 40M-4-3: 1MHz 20MHz 20M-1-0: 1MHz 40MHz 40M-1-0: 1MHz
Antenna Type:	PIFA
Antenna Gain:	Ant0/2: Band1&4(1.5dBi),Band2(2.5dBi),Band3(2dBi) Ant1/3: Band1&2&3&4(2.5dBi)
Smart System:	MIMO(ANT0 &ANT1; ANT0 &ANT3; ANT2 &ANT1; ANT2 &ANT3)
Cable Loss (for RF conducted test):	4900MHz ~ 5250MHz(1.6dB) 5250MHz ~ 5350MHz(1.7dB) 5470MHz ~ 5725MHz(1.8dB) 5725MHz ~ 5850MHz (2dB)

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4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	DJI	QC24-CN	N/A

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.2dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz); ± 4.8dB (18-40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Duty Cycle	± 0.3%
99% Bandwidth	± 0.3%
26dB Emission bandwidth	± 0.3%



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Report No.: SZCR251100490703

Page: 10 of 298

Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 0.3%
Maximum Conducted output power	± 0.8dB
Peak Power spectrum density	± 0.4dB
Frequency Stability	± 5.4 x 10-8

Remark:

The U_{lab} (lab Uncertainty) is less than U_{CISPR/ETSI} (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 11 of 298

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 13 of 298

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 14 of 298

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2025-09-10	2026-09-09
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2025-03-03	2026-03-02
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2025-03-03	2026-03-02
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2025-03-03	2026-03-02
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2025-03-04	2026-03-03

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna are following:

Band	Antenna Gain(dBi)			
	ANT0	ANT1	ANT2	ANT3
5G SDR Band1	1.5	2.5	1.5	2.5
5G SDR Band2	2.5	2.5	2.5	2.5
5G SDR Band3	2.0	2.5	2.0	2.5
5G SDR Band4	1.5	2.5	1.5	2.5

Antenna combination (MIMO mode)	Directional Gain (dBi)			
	Band1	Band2	Band3	Band4
ANT0 & ANT1	5.51	5.51	5.51	5.51
ANT0 & ANT3	5.51	5.51	5.51	5.51
ANT2 & ANT1	5.51	5.51	5.51	5.51
ANT2 & ANT3	5.51	5.51	5.51	5.51

Antenna location: Refer to internal photos

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

SDR chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
 Test Method: ANSI C63.10 (2020) Section 6.2
 Test Engineer: Wade Li

Limit:

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	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.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 42.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.



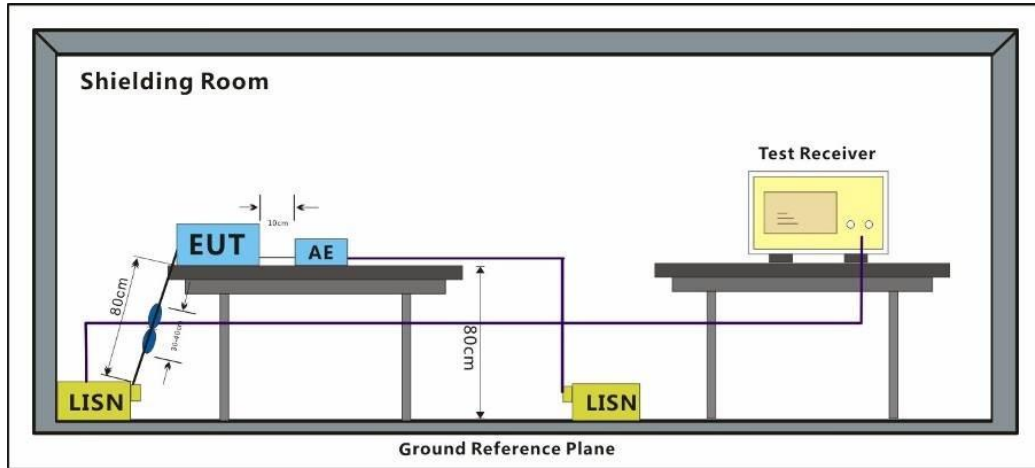
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7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

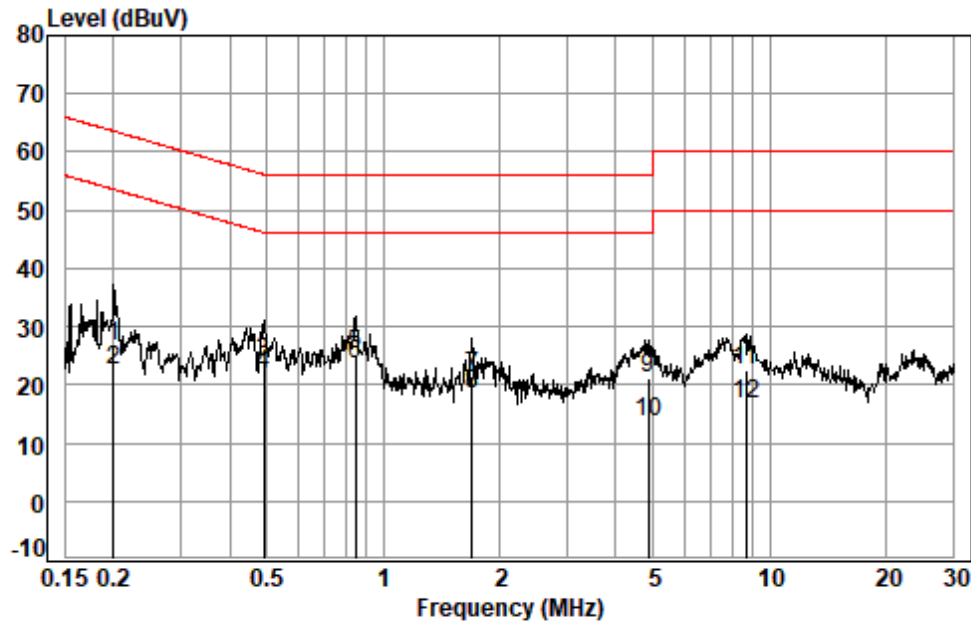
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to 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 on conducted measurement.

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.



Test Mode: 15; Line: Live line

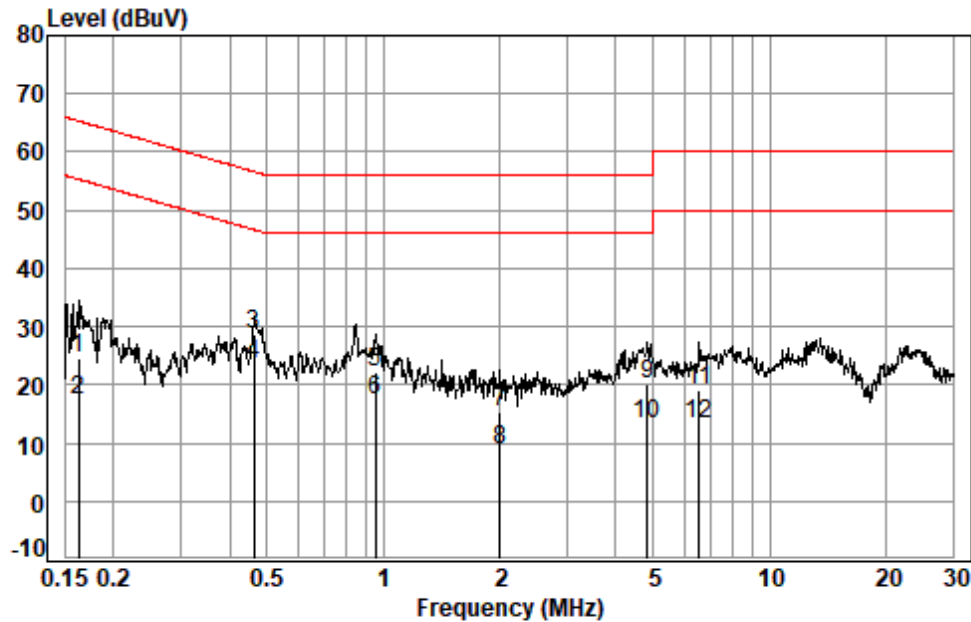


Site : Shielding Room
Condition: Line
Job No. : 04907AT/04908AT
Test mode: 15

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2007	0.07	10.12	16.56	26.75	63.58	-36.83	QP
2	0.2007	0.07	10.12	12.32	22.51	53.58	-31.07	Average
3	0.4915	0.09	9.55	14.34	23.98	56.14	-32.16	QP
4	0.4915	0.09	9.55	12.07	21.71	46.14	-24.43	Average
5 *	0.8483	0.11	9.61	15.37	25.09	56.00	-30.91	QP
6 *	0.8483	0.11	9.61	13.76	23.48	46.00	-22.52	Average
7	1.6981	0.12	9.58	11.86	21.56	56.00	-34.44	QP
8	1.6981	0.12	9.58	8.71	18.41	46.00	-27.59	Average
9	4.8480	0.14	9.66	11.39	21.19	56.00	-34.81	QP
10	4.8480	0.14	9.66	3.91	13.71	46.00	-32.29	Average
11	8.6832	0.15	9.69	12.68	22.52	60.00	-37.48	QP
12	8.6832	0.15	9.69	6.84	16.68	50.00	-33.32	Average



Test Mode: 15; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 04907AT/04908AT
Test mode: 15

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1624	0.06	10.13	14.32	24.51	65.34	-40.83	QP
2	0.1624	0.06	10.13	7.22	17.41	55.34	-37.93	Average
3 *	0.4637	0.09	9.72	19.00	28.81	56.63	-27.82	QP
4 *	0.4637	0.09	9.72	13.62	23.43	46.63	-23.20	Average
5	0.9531	0.11	9.55	12.43	22.09	56.00	-33.91	QP
6	0.9531	0.11	9.55	7.85	17.51	46.00	-28.49	Average
7	2.0012	0.12	9.55	5.50	15.17	56.00	-40.83	QP
8	2.0012	0.12	9.55	-0.78	8.89	46.00	-37.11	Average
9	4.8224	0.14	9.56	10.48	20.18	56.00	-35.82	QP
10	4.8224	0.14	9.56	3.55	13.25	46.00	-32.75	Average
11	6.5921	0.14	9.63	9.27	19.04	60.00	-40.96	QP
12	6.5921	0.14	9.63	3.61	13.38	50.00	-36.62	Average



7.2 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.4,6.5
 Measurement Distance: 3m
 Test Engineer: Mason Wu

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.2.1 E.U.T. Operation

Operating Environment:

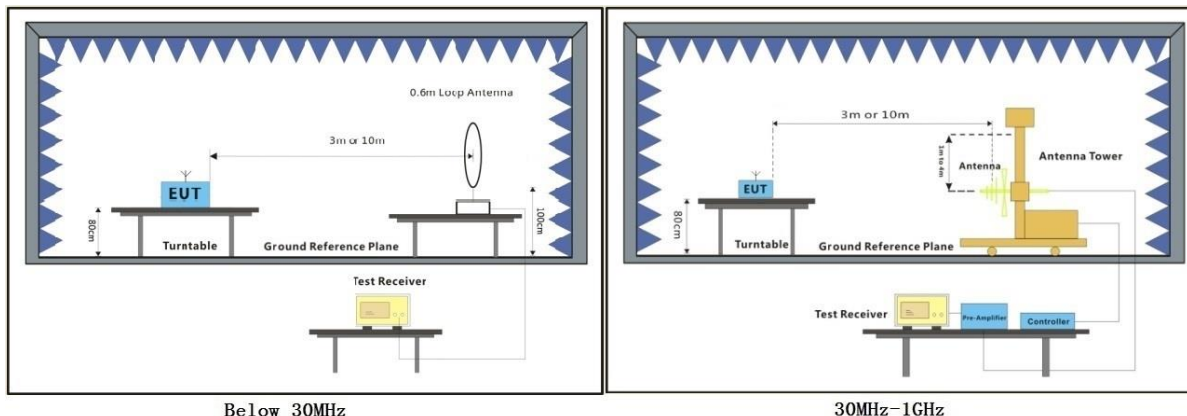
Temperature: 23.3 °C Humidity: 47.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.



7.2.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz

7.2.4 Measurement Procedure and Data

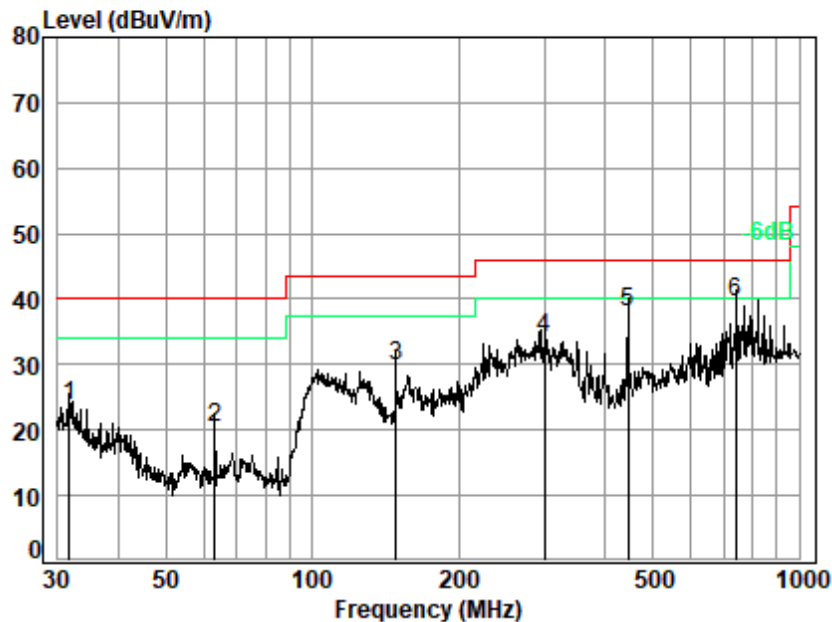
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.



Test Mode: 15; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

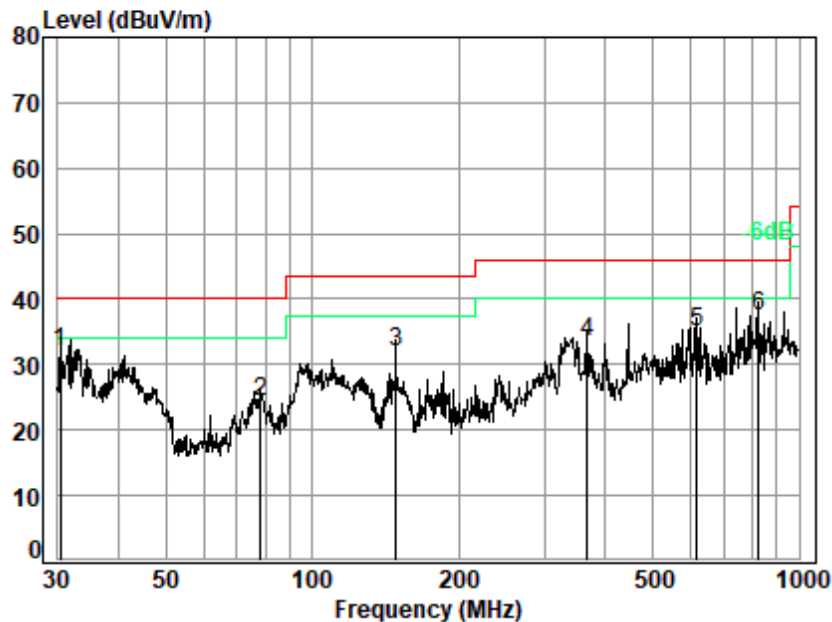
Job No. : 04907AT/04908AT

Test Mode: 15

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.620	20.45	0.75	27.65	30.09	23.64	40.00	-16.36 QP
2	63.092	11.16	0.94	27.62	35.91	20.39	40.00	-19.61 QP
3	148.441	12.86	1.49	27.71	43.24	29.88	43.50	-13.62 QP
4	300.367	18.05	2.11	27.50	41.38	34.04	46.00	-11.96 QP
5	444.851	21.12	2.64	27.84	42.14	38.06	46.00	-7.94 QP
6 q	742.259	26.27	3.53	27.73	37.44	39.51	46.00	-6.49 QP



Test Mode: 15; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 04907AT/04908AT

Test Mode: 15

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 30.424	21.00	0.74	27.65	37.93	32.02	40.00	-7.98 QP
2	78.413	10.40	1.08	27.61	40.42	24.29	40.00	-15.71 QP
3	148.441	12.86	1.49	27.71	45.26	31.90	43.50	-11.60 QP
4	366.823	20.35	2.38	27.67	38.27	33.33	46.00	-12.67 QP
5	616.372	24.98	3.15	28.05	34.92	35.00	46.00	-11.00 QP
6	824.597	26.59	3.76	27.44	34.55	37.46	46.00	-8.54 QP



7.3 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.6
 Measurement Distance: 3m
 Test Engineer: Logic Wang

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

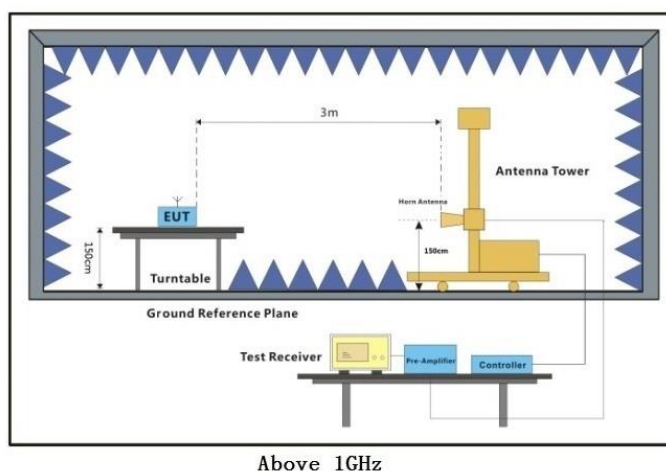
Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

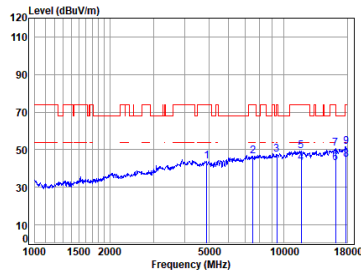
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle<98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
8. All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.



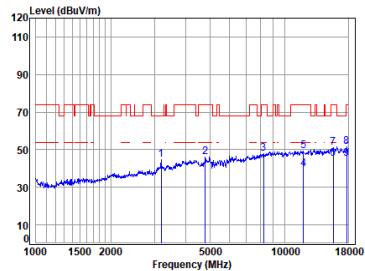
5G SDR_10M_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5155.36 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	
1	4916.490	8.07	34.67	54.21	55.35	43.88	74.00	-30.12	Peak	
2	7519.349	9.03	36.10	53.15	54.65	46.63	74.00	-27.37	Peak	
3	9393.689	11.54	37.31	53.44	51.92	47.33	74.00	-26.67	Peak	
4	11769.210	12.84	37.90	53.16	45.17	42.75	54.00	-11.25	Average	
5	11769.210	12.84	37.90	53.16	51.56	49.14	74.00	-24.86	Peak	
6	16174.370	15.53	41.77	52.00	37.75	43.05	54.00	-10.95	Average	
7	16174.370	15.53	41.77	52.00	45.36	50.66	74.00	-23.34	Peak	
8	q17844.590	16.41	43.90	52.48	36.93	44.76	54.00	-9.24	Average	
9	p17844.590	16.41	43.90	52.48	43.61	51.44	74.00	-22.56	Peak	

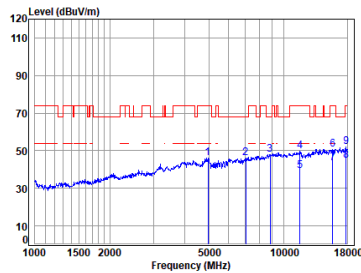
5G SDR_10M_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5155.36 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	
1	3186.869	6.83	32.79	54.85	59.86	44.63	68.20	-23.57	Peak	
2	4790.245	7.99	34.22	54.22	58.20	46.19	74.00	-27.81	Peak	
3	8224.200	9.84	36.65	53.22	54.46	47.73	74.00	-26.27	Peak	
4	11906.070	12.93	37.71	53.18	42.46	39.92	54.00	-14.08	Average	
5	11906.070	12.93	37.71	53.18	51.79	49.25	74.00	-24.75	Peak	
6	15668.210	14.97	41.17	52.06	40.93	45.01	54.00	-8.99	Average	
7	15668.210	14.97	41.17	52.06	46.93	51.01	74.00	-22.99	Peak	
8	p17741.740	16.35	43.84	52.53	43.68	51.34	74.00	-22.66	Peak	
9	q17741.740	16.35	43.84	52.53	37.43	45.09	54.00	-8.91	Average	

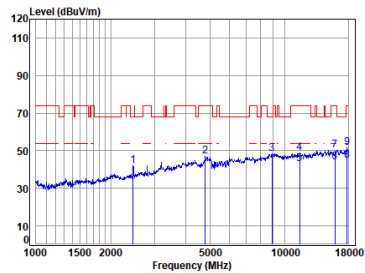
5G SDR_10M_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5200 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	
1	4973.662	8.10	34.51	54.20	57.69	46.10	74.00	-27.90	Peak	
2	7056.092	9.37	35.71	53.19	54.37	46.26	68.20	-21.94	Peak	
3	p 8814.957	11.16	37.13	53.51	53.21	47.99	68.20	-20.21	Peak	
4	11633.930	12.75	37.77	53.13	52.25	49.64	74.00	-24.36	Peak	
5	11633.930	12.75	37.77	53.13	41.79	39.18	54.00	-14.82	Average	
6	15759.050	15.08	41.26	51.99	46.30	50.65	74.00	-23.35	Peak	
7	15759.050	15.08	41.26	51.99	39.02	43.37	54.00	-10.63	Average	
8	q17793.090	16.38	43.89	52.50	36.92	44.69	54.00	-9.31	Average	
9	17793.090	16.38	43.89	52.50	44.30	52.07	74.00	-21.93	Peak	

5G SDR_10M_TX_CH_M_Vertical

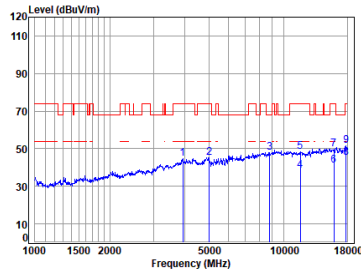


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5200 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	
1	2456.913	5.89	28.90	54.95	62.12	41.96	68.20	-26.24	Peak	
2	4790.245	7.99	34.22	54.22	58.78	46.77	74.00	-27.23	Peak	
3	p 8891.725	11.40	37.20	53.55	53.51	48.56	68.20	-19.64	Peak	
4	11500.200	12.66	37.00	53.10	51.34	48.70	74.00	-25.30	Peak	
5	11500.200	12.66	37.00	53.10	45.32	42.68	54.00	-11.32	Average	
6	15942.300	15.30	41.48	51.84	38.68	43.62	54.00	-10.38	Average	
7	15942.300	15.30	41.48	51.84	45.17	50.11	74.00	-23.89	Peak	
8	q17793.090	16.38	43.89	52.50	36.75	44.52	54.00	-9.48	Average	
9	17793.090	16.38	43.89	52.50	43.68	51.45	74.00	-22.55	Peak	



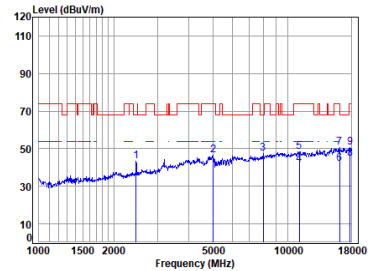
5G SDR_10M_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5244.64 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3935.493	8.54	33.59	54.34	56.93	44.72	74.00
2	5016.977	8.16	34.30	54.18	56.99	45.27	74.00
3	7889.516	11.08	37.06	53.50	53.44	48.08	68.20
4	11667.600	12.77	37.84	53.14	40.75	38.22	54.00
5	11667.600	12.77	37.84	53.14	50.76	48.23	74.00
6	15942.300	15.30	41.48	51.84	36.28	41.22	54.00
7	15942.300	15.30	41.48	51.84	44.86	49.80	74.00
8	17793.090	16.38	43.89	52.50	37.48	45.25	54.00
9	17793.090	16.38	43.89	52.50	43.57	51.34	74.00

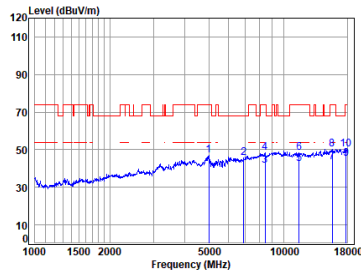
5G SDR_10M_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5244.64 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2456.913	5.89	28.90	54.95	63.36	43.20	68.20
2	5016.977	8.16	34.30	54.18	58.38	46.66	74.00
3	7889.516	9.56	36.40	53.10	54.75	47.61	68.20
4	11140.310	12.32	37.58	53.03	44.77	41.64	54.00
5	11140.310	12.32	37.58	53.03	51.39	48.26	74.00
6	16174.370	15.53	41.77	52.00	36.86	42.16	54.00
7	16174.370	15.53	41.77	52.00	45.25	50.55	74.00
8	17844.590	16.41	43.90	52.48	36.98	44.81	54.00
9	17844.590	16.41	43.90	52.48	42.82	50.65	74.00

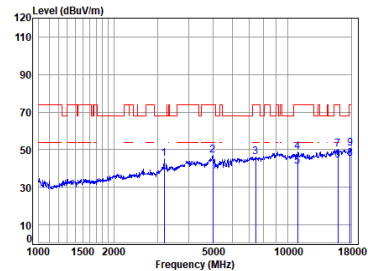
5G SDR_10M_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5256.36 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5002.497	8.13	34.39	54.20	58.79	47.11	74.00
2	6914.763	9.38	35.66	53.19	53.55	45.40	68.20
3	8416.584	10.06	36.67	53.32	48.04	41.45	54.00
4	8416.584	10.06	36.67	53.32	54.81	48.22	74.00
5	11533.480	12.68	37.77	53.11	45.22	42.56	54.00
6	11533.480	12.68	37.77	53.11	50.96	48.30	74.00
7	15668.210	14.97	41.17	52.06	39.19	43.27	54.00
8	15668.210	14.97	41.17	52.06	46.10	50.18	74.00
9	17793.090	16.38	43.89	52.50	37.23	45.00	54.00
10	17793.090	16.38	43.89	52.50	42.55	50.32	74.00

5G SDR_10M_TX_CH_L_Vertical

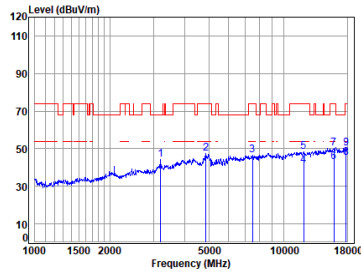


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5256.36 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3186.869	6.83	32.79	54.85	60.20	44.97	68.20
2	5002.497	8.13	34.39	54.20	58.57	46.89	74.00
3	7432.914	9.06	35.93	53.16	54.15	45.98	74.00
4	10948.780	12.16	37.45	53.01	52.34	48.94	74.00
5	10948.780	12.16	37.45	53.01	44.64	41.24	54.00
6	15896.290	15.25	41.40	51.88	39.50	44.27	54.00
7	15896.290	15.25	41.40	51.88	45.30	50.07	74.00
8	17793.090	16.38	43.89	52.50	37.40	45.17	54.00
9	17793.090	16.38	43.89	52.50	42.72	50.49	74.00



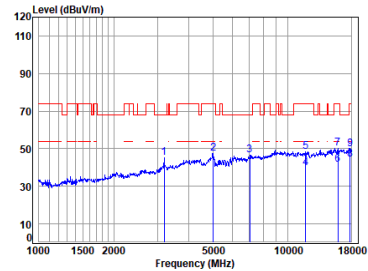
5G SDR_10M_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5290.89 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Limit	Over	
Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3196.094	6.84	32.87	54.85	59.43	44.29	68.20 -23.91 Peak
2	4874.043	8.04	34.60	54.21	59.13	47.56	74.00 -26.44 Peak
3	7497.646	9.01	36.10	53.15	54.76	46.72	74.00 -27.28 Peak
4	12044.520	12.98	37.76	53.20	43.40	40.94	54.00 -13.06 Average
5	12044.520	12.98	37.76	53.20	50.66	48.20	74.00 -25.80 Peak
6	15942.300	15.30	41.48	51.84	37.95	42.89	54.00 -11.11 Average
7	p15942.300	15.30	41.48	51.84	45.41	50.35	74.00 -23.65 Peak
8	q17793.090	16.38	43.89	52.50	37.18	44.95	54.00 -9.05 Average
9	17793.090	16.38	43.89	52.50	42.34	50.11	74.00 -23.89 Peak

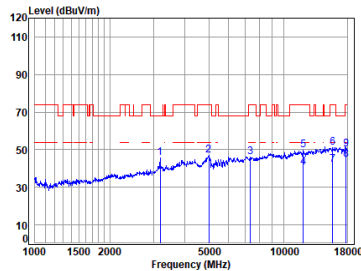
5G SDR_10M_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5290.89 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Level	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	3186.869	6.83	32.79	54.85	60.19	44.96	68.20	-23.24 Peak
2	5016.977	8.16	34.30	54.18	59.25	47.53	74.00	-26.47 Peak
3	p 7056.092	9.37	35.71	53.19	54.50	46.39	68.20	-21.81 Peak
4	11803.280	12.86	37.89	53.16	41.90	39.49	54.00	-14.51 Average
5	11803.280	12.86	37.89	53.16	50.78	48.37	74.00	-25.63 Peak
6	15896.290	15.25	41.40	51.88	36.90	41.67	54.00	-12.33 Average
7	15896.290	15.25	41.40	51.88	45.48	50.25	74.00	-23.75 Peak
8	q17844.590	16.41	43.90	52.48	36.25	44.08	54.00	-9.92 Average
9	17844.590	16.41	43.90	52.48	41.71	49.54	74.00	-24.46 Peak

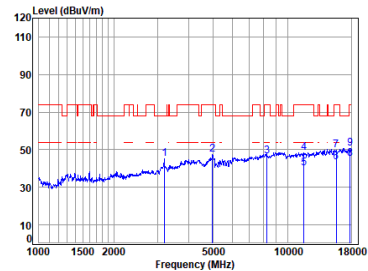
5G SDR_10M_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5325.58 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	p 3186.869	6.83	32.79	54.85	60.72	45.49	68.20	-22.71	Peak
2	5002.497	8.13	34.39	54.20	58.78	47.10	74.00	-26.90	Peak
3	7347.474	9.13	35.70	53.16	54.57	46.24	74.00	-27.76	Peak
4	12009.760	12.99	37.79	53.20	43.19	40.77	54.00	-13.23	Average
5	12009.760	12.99	37.79	53.20	52.02	49.60	74.00	-24.40	Peak
6	15759.050	15.08	41.26	51.99	46.82	51.17	74.00	-22.83	Peak
7	15759.050	15.08	41.26	51.99	37.69	42.04	54.00	-11.96	Average
8	q17844.590	16.41	43.90	52.48	36.85	44.68	54.00	-9.32	Average
9	17844.590	16.41	43.90	52.48	42.57	50.40	74.00	-23.60	Peak

5G SDR_10M_TX_CH_H_Vertical

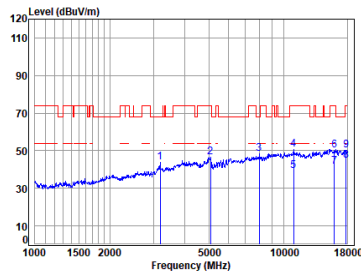


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5325.58 RSE TX
Note : 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	p 3196.094	6.84	32.87	54.85	60.40	45.26	68.20	-22.94	Peak
2	4988.058	8.11	34.45	54.20	59.24	47.60	74.00	-26.40	Peak
3	8248.005	9.87	36.70	53.23	53.33	46.67	74.00	-27.33	Peak
4	11633.930	12.75	37.77	53.13	51.10	48.49	74.00	-25.51	Peak
5	11633.930	12.75	37.77	53.13	42.69	40.08	54.00	-13.92	Average
6	15668.210	14.97	41.17	52.06	39.31	43.39	54.00	-10.61	Average
7	15668.210	14.97	41.17	52.06	45.46	49.54	74.00	-24.46	Peak
8	q17793.090	16.38	43.89	52.50	37.35	45.12	54.00	-8.88	Average
9	17793.090	16.38	43.89	52.50	42.75	50.52	74.00	-23.48	Peak



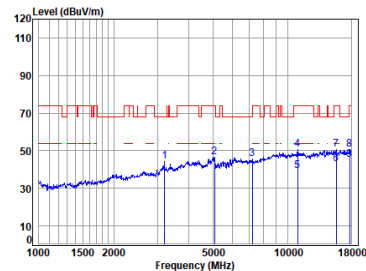
5G SDR_10M_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5475.36 RSE TX
Note : 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	Factor	Factor	Factor	Level	dBuV	dBuV/m	Line	Limit
	dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1	3186.869	6.83	32.79	54.85	59.08	43.85	68.20	-24.35 Peak
2	5075.317	8.30	34.05	54.11	58.31	46.55	74.00	-27.45 Peak
3	p 7989.893	9.56	36.40	53.10	55.31	48.17	68.20	-20.03 Peak
4	10948.780	12.16	37.45	53.01	54.15	50.75	74.00	-23.25 Peak
5	10948.780	12.16	37.45	53.01	42.42	39.02	54.00	-14.98 Average
6	15988.450	15.36	41.58	51.81	45.18	50.31	74.00	-23.69 Peak
7	15988.450	15.36	41.58	51.81	36.29	41.42	54.00	-12.58 Average
8	q17844.590	16.41	43.90	52.48	36.84	44.67	54.00	-9.33 Average
9	17844.590	16.41	43.90	52.48	42.54	50.37	74.00	-23.63 Peak

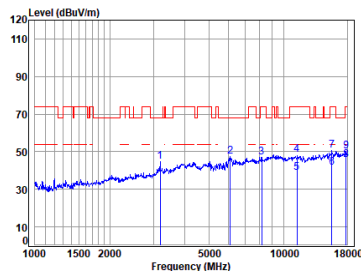
5G SDR_10M_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5475.36 RSE TX
Note : 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	Factor	Factor	Factor	Level	dBuV	dBuV/m	Line	Limit
	dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1	3196.094	6.84	32.87	54.85	59.53	44.39	68.20	-23.81 Peak
2	5075.317	8.30	34.05	54.11	58.40	46.64	74.00	-27.36 Peak
3	p 7200.309	9.25	35.70	53.18	53.99	45.76	68.20	-22.44 Peak
4	10948.780	12.16	37.45	53.01	54.06	50.66	74.00	-23.34 Peak
5	10948.780	12.16	37.45	53.01	42.60	39.20	54.00	-14.80 Average
6	15668.210	14.97	41.17	52.06	38.90	42.98	54.00	-11.02 Average
7	15668.210	14.97	41.17	52.06	46.56	50.64	74.00	-23.36 Peak
8	17741.740	16.35	43.84	52.53	42.89	50.55	74.00	-23.45 Peak
9	q17741.740	16.35	43.84	52.53	37.51	45.17	54.00	-8.83 Average

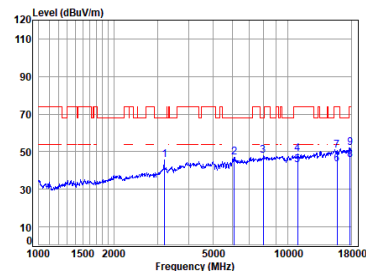
5G SDR_10M_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5600 RSE TX
Note : 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	Factor	Factor	Factor	Level	dBuV	dBuV/m	Line	Limit
	dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1	3186.869	6.83	32.79	54.85	59.98	44.75	68.20	-23.45 Peak
2	p 6106.616	9.46	35.07	53.11	56.13	47.55	68.20	-20.65 Peak
3	8176.795	9.78	36.55	53.19	53.98	47.12	74.00	-26.88 Peak
4	11302.480	12.47	37.80	53.06	51.38	48.59	74.00	-25.41 Peak
5	11302.480	12.47	37.80	53.06	41.54	38.75	54.00	-15.25 Average
6	15622.990	14.91	41.12	52.10	37.53	41.46	54.00	-12.54 Average
7	15622.990	14.91	41.12	52.10	46.54	50.47	74.00	-23.53 Peak
8	q17793.090	16.38	43.89	52.50	37.89	45.66	54.00	-8.34 Average
9	17793.090	16.38	43.89	52.50	42.43	50.20	74.00	-23.80 Peak

5G SDR_10M_TX_CH_M_Vertical

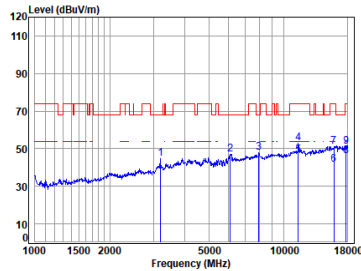


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5600 RSE TX
Note : 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	Factor	Factor	Factor	Level	dBuV	dBuV/m	Line	Limit
	dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1	3196.094	6.84	32.87	54.85	60.71	45.57	68.20	-22.63 Peak
2	6088.991	9.47	35.08	53.11	55.60	47.04	68.20	-21.16 Peak
3	p 7989.893	9.56	36.40	53.10	54.83	47.69	68.20	-20.51 Peak
4	10948.780	12.16	37.45	53.01	52.22	48.82	74.00	-25.18 Peak
5	10948.780	12.16	37.45	53.01	46.16	42.76	54.00	-11.24 Average
6	15804.660	15.13	41.30	51.95	38.94	43.42	54.00	-10.58 Average
7	15804.660	15.13	41.30	51.95	46.38	50.86	74.00	-23.14 Peak
8	q17793.090	16.38	43.89	52.50	37.85	45.62	54.00	-8.38 Average
9	17793.090	16.38	43.89	52.50	44.40	52.17	74.00	-21.83 Peak



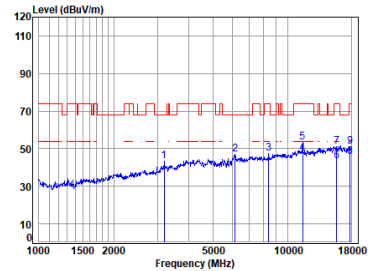
5G SDR_10M_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5724.64 RSE TX
Note : 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Limit	Over	
MHz	Loss	Factor	Factor	Level	Line	Limit	Remark
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3196.094	6.84	32.87	54.85	59.88	44.74	68.20 -23.46 Peak
2	6088.991	9.47	35.08	53.11	55.67	47.11	68.20 -21.09 Peak
3	p 7943.838	9.51	36.41	53.11	54.91	47.72	68.20 -20.48 Peak
4	11433.910	12.60	37.73	53.09	55.48	52.72	74.00 -21.28 Peak
5	q11433.910	12.60	37.73	53.09	49.43	46.67	54.00 -7.33 Average
6	15942.300	15.30	41.48	51.84	36.38	41.32	54.00 -12.68 Average
7	15942.300	15.30	41.48	51.84	46.22	51.16	74.00 -22.84 Peak
8	17793.090	16.38	43.89	52.50	38.10	45.87	54.00 -8.13 Average
9	17793.090	16.38	43.89	52.50	43.32	51.09	74.00 -22.91 Peak

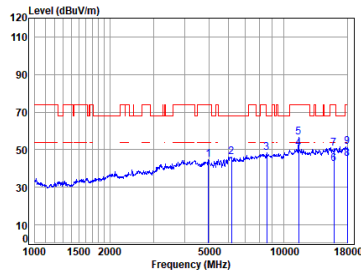
5G SDR_10M_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5724.64 RSE TX
Note : 5G SDR 10M

Line	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	3186.869	6.83	32.79	54.85	58.46	43.23	68.20	-24.97	Peak
2	6142.019	9.43	34.93	53.12	55.81	47.05	68.20	-21.15	Peak
3	8392.292	10.04	36.70	53.30	53.90	47.34	74.00	-26.66	Peak
4	q11467.000	12.63	37.77	53.10	50.34	47.64	54.00	-6.36	Average
5	p11467.000	12.63	37.77	53.10	55.87	53.17	74.00	-20.83	Peak
6	15713.560	15.02	41.21	52.02	39.31	43.52	54.00	-10.48	Average
7	15713.560	15.02	41.21	52.02	46.90	51.11	74.00	-22.89	Peak
8	17793.090	16.38	43.89	52.50	37.93	45.70	54.00	-8.30	Average
9	17793.090	16.38	43.89	52.50	43.18	50.95	74.00	-23.05	Peak

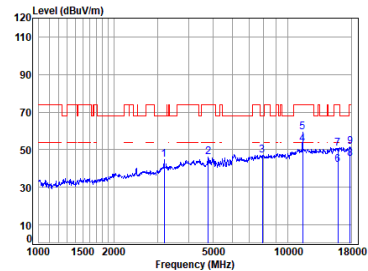
5G SDR_5M_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5732.5 RSE TX
Note : 5G SDR 5M

Freq	Cable	Ant	Preamp	Read	Limit	Over	
MHz	Loss	Factor	Factor	Level	Line	Limit	Remark
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	4988.058	8.11	34.45	54.20	56.14	44.50	74.00 -29.50 Peak
2	6159.797	9.42	34.86	53.12	54.99	46.15	68.20 -22.05 Peak
3	8539.102	10.29	36.78	53.38	54.64	48.33	68.20 -19.87 Peak
4	q11467.000	12.63	37.77	53.10	53.57	50.87	54.00 -3.13 Average
5	p11467.000	12.63	37.77	53.10	59.41	56.71	74.00 -17.29 Peak
6	15942.300	15.30	41.48	51.84	37.27	42.21	54.00 -11.79 Average
7	15942.300	15.30	41.48	51.84	45.87	50.81	74.00 -23.19 Peak
8	18000.000	16.51	44.30	52.40	36.95	45.36	54.00 -8.64 Average
9	18000.000	16.51	44.30	52.40	43.29	51.70	74.00 -22.30 Peak

5G SDR_5M_TX_CH_L_Vertical



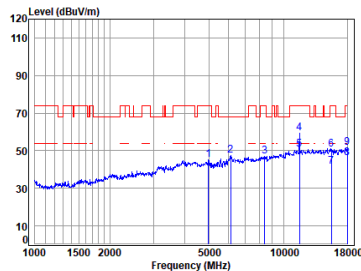
Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5732.5 RSE TX
Note : 5G SDR 5M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	3186.869	6.83	32.79	54.85	60.02	44.79	68.20	-23.41	Peak
2	4790.245	7.99	34.22	54.22	58.23	46.22	74.00	-27.78	Peak
3	7920.911	9.48	36.46	53.11	54.32	47.15	68.20	-21.05	Peak
4	q11467.000	12.63	37.77	53.10	55.55	52.85	54.00	-1.15	Average
5	p11467.000	12.63	37.77	53.10	62.11	59.41	74.00	-14.59	Peak
6	15896.290	15.25	41.40	51.88	37.14	41.91	54.00	-12.09	Average
7	15896.290	15.25	41.40	51.88	45.98	50.75	74.00	-23.25	Peak
8	17844.590	16.41	43.90	52.48	37.49	45.32	54.00	-8.68	Average
9	17844.590	16.41	43.90	52.48	43.65	51.48	74.00	-22.52	Peak

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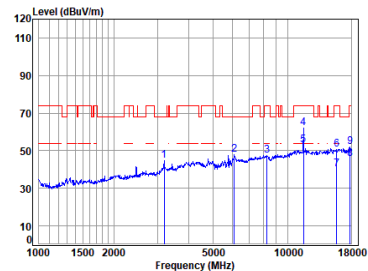
5G SDR_5M_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5787.5 RSE TX
Note : 5G SDR 5M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4988.058	8.11	34.45	54.20	57.01	45.37	74.00	-28.63	Peak	
2	6124.292	9.45	35.00	53.11	55.97	47.31	68.20	-20.89	Peak	
3	8392.292	10.04	36.70	53.30	53.67	47.11	74.00	-26.89	Peak	
4	p11566.870	12.70	37.73	53.12	62.06	59.37	74.00	-14.63	Peak	
5	q11566.870	12.70	37.73	53.12	53.40	50.71	54.00	-3.29	Average	
6	15532.940	14.80	41.10	52.17	46.76	50.49	74.00	-23.51	Peak	
7	15532.940	14.80	41.10	52.17	37.72	41.45	54.00	-12.55	Average	
8	18000.000	16.51	44.30	52.40	37.56	45.97	54.00	-8.03	Average	
9	18000.000	16.51	44.30	52.40	42.99	51.40	74.00	-22.60	Peak	

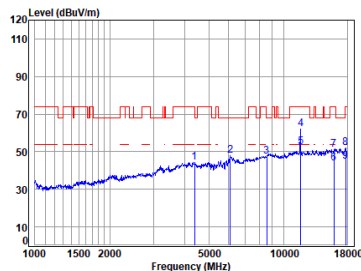
5G SDR_5M_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5787.5 RSE TX
Note : 5G SDR 5M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1	3186.869	6.83	32.79	54.85	60.04	44.81	68.20	-23.39	Peak	
2	6106.616	9.46	35.07	53.11	56.29	47.71	68.20	-20.49	Peak	
3	8271.880	9.90	36.70	53.24	54.00	47.36	74.00	-26.64	Peak	
4	p11566.870	12.70	37.73	53.12	64.52	61.83	74.00	-12.17	Peak	
5	q11566.870	12.70	37.73	53.12	55.65	52.96	54.00	-1.04	Average	
6	15759.050	15.08	41.26	51.99	46.38	50.73	74.00	-23.27	Peak	
7	15759.050	15.08	41.26	51.99	35.95	40.30	54.00	-13.70	Average	
8	17793.090	16.38	43.89	52.50	37.76	45.53	54.00	-8.47	Average	
9	17793.090	16.38	43.89	52.50	44.14	51.91	74.00	-22.09	Peak	

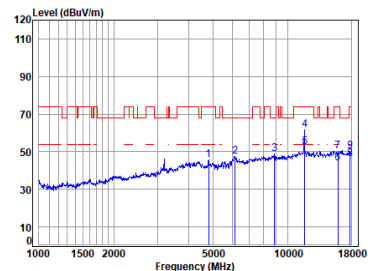
5G SDR_5M_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5842.5 RSE TX
Note : 5G SDR 5M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4392.376	7.99	34.74	54.26	56.01	44.48	74.00	-29.52	Peak	
2	6106.616	9.46	35.07	53.11	56.28	47.70	68.20	-20.50	Peak	
3	8539.102	10.29	36.78	53.38	53.95	47.64	68.20	-20.56	Peak	
4	p11701.380	12.79	37.90	53.14	64.35	61.90	74.00	-12.10	Peak	
5	q11701.380	12.79	37.90	53.14	54.88	52.43	54.00	-1.57	Average	
6	15942.300	15.30	41.48	51.84	38.93	43.87	54.00	-10.13	Average	
7	15942.300	15.30	41.48	51.84	46.25	51.19	74.00	-22.81	Peak	
8	17741.740	16.35	43.84	52.53	44.26	51.92	74.00	-22.08	Peak	
9	17741.740	16.35	43.84	52.53	36.89	44.55	54.00	-9.45	Average	

5G SDR_5M_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5842.5 RSE TX
Note : 5G SDR 5M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4804.110	7.99	34.32	54.22	57.59	45.68	74.00	-28.32	Peak	
2	6142.019	9.43	34.93	53.12	56.19	47.43	68.20	-20.77	Peak	
3	8866.062	11.32	37.20	53.54	54.00	48.98	68.20	-19.22	Peak	
4	p11701.380	12.79	37.90	53.14	64.27	61.82	74.00	-12.18	Peak	
5	q11701.380	12.79	37.90	53.14	54.77	52.32	54.00	-1.68	Average	
6	15942.300	15.30	41.48	51.84	38.74	43.68	54.00	-10.32	Average	
7	15942.300	15.30	41.48	51.84	45.25	50.19	74.00	-23.81	Peak	
8	17793.090	16.38	43.89	52.50	38.23	46.00	54.00	-8.00	Average	
9	17793.090	16.38	43.89	52.50	42.50	50.27	74.00	-23.73	Peak	



7.4 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.10.5
 Measurement Distance: 3m
 Test Engineer: Logic Wang

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

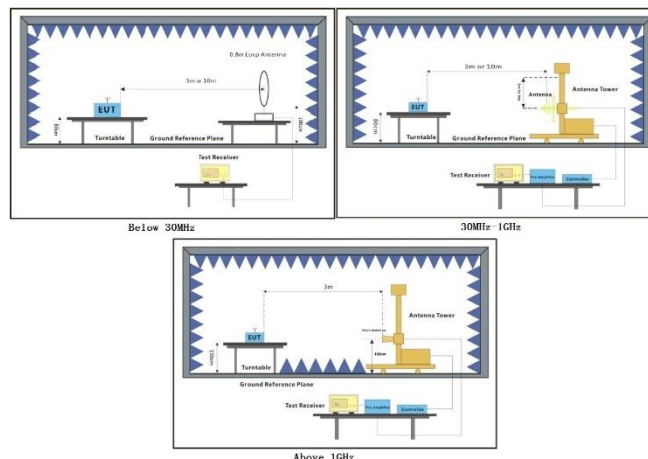
Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

- a. For below 1GHz, 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.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. 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.
- d. 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.
- e. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

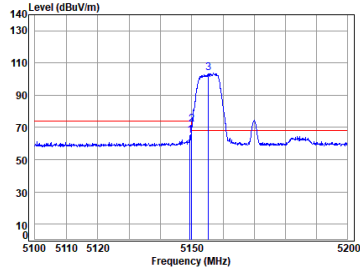
Remark 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

k. All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.



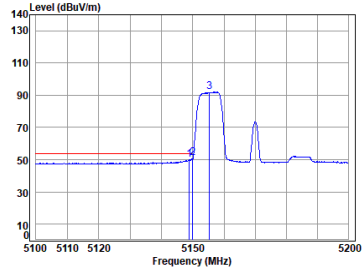
5G SDR_10M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5155.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	18.47	33.90	31.28	43.86	64.95	74.00	-9.05	Peak	
2	5149.980	18.47	33.90	31.28	50.95	72.04	74.00	-1.96	Peak	
3 p	5155.360	18.49	33.91	31.28	82.58	103.70	68.20	35.50	Peak	

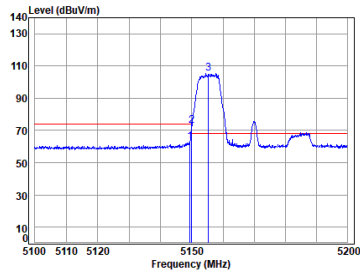
5G SDR_10M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5155.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.857	18.47	33.90	31.28	28.81	49.90	54.00	-4.10	Average	
2 q	5149.980	18.47	33.90	31.28	29.94	51.03	54.00	-2.97	Average	
3	5155.360	18.49	33.91	31.28	70.88	92.00	-----	-----	Average	

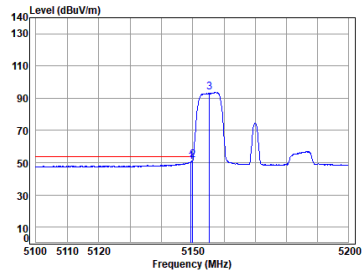
5G SDR_10M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5155.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	18.47	33.90	31.28	41.91	63.00	74.00	-11.00	Peak	
2	5149.980	18.47	33.90	31.28	51.66	72.75	74.00	-1.25	Peak	
3 p	5155.360	18.49	33.91	31.28	84.39	105.51	68.20	37.31	Peak	

5G SDR_10M_TX_CH_L_Vertical-Avg

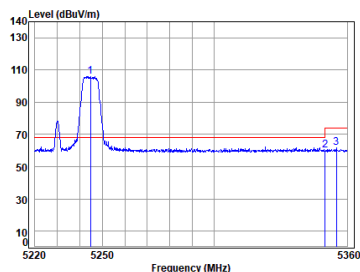


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5155.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	18.47	33.90	31.28	29.67	50.76	54.00	-3.24	Average	
2 q	5149.980	18.47	33.90	31.28	30.63	51.72	54.00	-2.28	Average	
3	5155.360	18.49	33.91	31.28	72.49	93.61	-----	-----	Average	



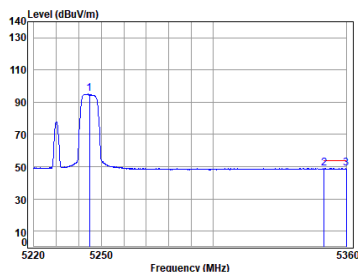
5G SDR_10M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5244.64 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	dB
1 p 5244.640	18.74	34.09	31.33	84.53	106.03	68.20	37.83	Peak
2 5350.020	19.03	34.40	31.39	38.10	60.14	74.00	-13.86	Peak
3 5355.179	19.04	34.42	31.39	39.44	61.51	74.00	-12.49	Peak

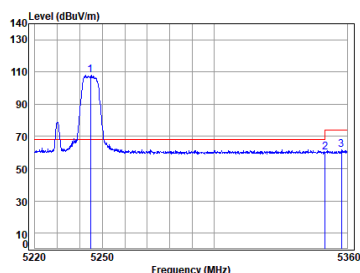
5G SDR_10M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5244.64 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	dB
1 5244.640	18.74	34.09	31.33	73.54	95.04	-----	-----	Average
2 5350.020	19.03	34.40	31.39	26.76	48.80	54.00	-5.20	Average
3 q 5360.000	19.05	34.44	31.39	26.95	49.05	54.00	-4.95	Average

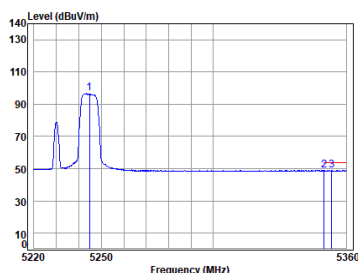
5G SDR_10M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5244.64 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	dB
1 p 5244.640	18.74	34.09	31.33	86.80	108.30	68.20	40.10	Peak
2 5350.020	19.03	34.40	31.39	38.20	60.24	74.00	-13.76	Peak
3 5357.447	19.05	34.43	31.39	39.63	61.72	74.00	-12.28	Peak

5G SDR_10M_TX_CH_H_Vertical-Avg

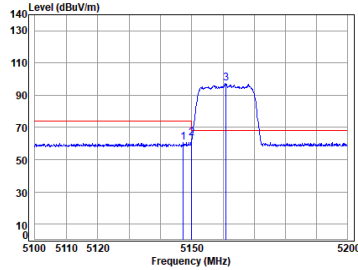


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5244.64 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	dB
1 5244.640	18.74	34.09	31.33	75.15	96.65	-----	-----	Average
2 5350.020	19.03	34.40	31.39	26.75	48.79	54.00	-5.21	Average
3 q 5353.337	19.04	34.41	31.39	26.80	48.86	54.00	-5.14	Average



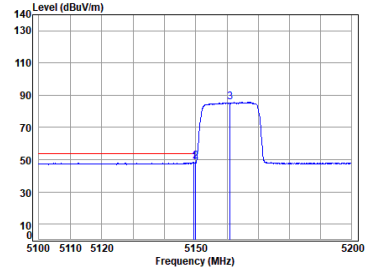
5G SDR_20M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5161 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.258	18.46	33.91	31.28	39.75	60.84	74.00	-13.16	Peak
2	5149.980	18.47	33.90	31.28	42.10	63.19	74.00	-10.81	Peak
3 p	5161.000	18.50	33.92	31.29	76.26	97.39	68.20	29.19	Peak

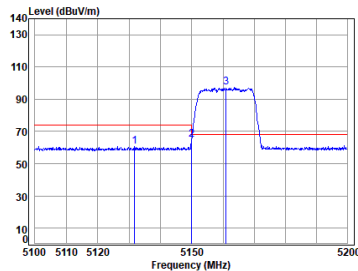
5G SDR_20M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5161 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	18.47	33.90	31.28	27.34	48.43	54.00	-5.57	Average
2 q	5149.980	18.47	33.90	31.28	27.71	48.80	54.00	-5.20	Average
3	5161.000	18.50	33.92	31.29	64.65	85.78	-----	-----	Average

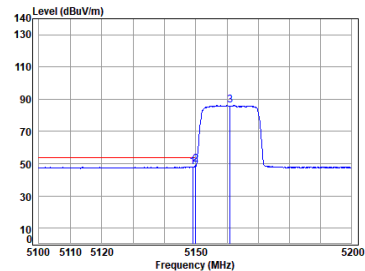
5G SDR_20M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5161 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5131.689	18.42	33.94	31.27	39.49	60.58	74.00	-13.42	Peak
2	5149.980	18.47	33.90	31.28	43.87	64.96	74.00	-9.04	Peak
3 p	5161.000	18.50	33.92	31.29	76.10	97.23	68.20	29.03	Peak

5G SDR_20M_TX_CH_L_Vertical-Avg

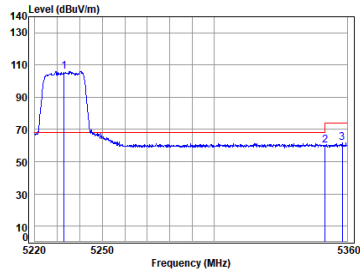


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5161 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.958	18.47	33.90	31.28	27.08	48.17	54.00	-5.83	Average
2 q	5149.980	18.47	33.90	31.28	28.53	49.62	54.00	-4.38	Average
3	5161.000	18.50	33.92	31.29	65.14	86.27	-----	-----	Average



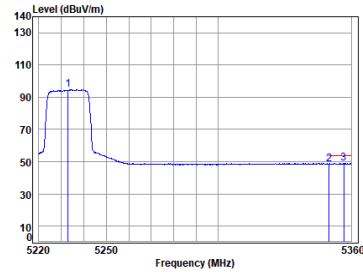
5G SDR_20M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5233 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5233.000	18.70	34.07	31.32	84.71	106.16	68.20	37.96	Peak
2	5350.020	19.03	34.40	31.39	38.31	60.35	74.00	-13.65	Peak
3	5357.873	19.05	34.43	31.39	39.52	61.61	74.00	-12.39	Peak

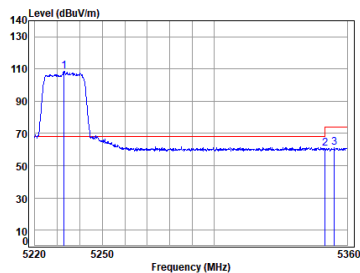
5G SDR_20M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5233 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5233.000	18.70	34.07	31.32	73.23	94.68	-----	-----	Average
2	5350.020	19.03	34.40	31.39	26.60	48.64	54.00	-5.36	Average
3 q	5357.738	19.05	34.43	31.39	27.12	49.21	54.00	-4.79	Average

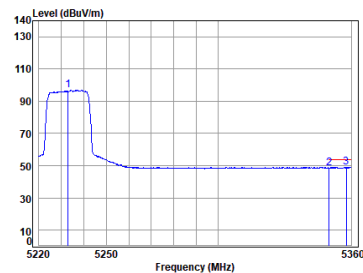
5G SDR_20M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5233 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5233.000	18.70	34.07	31.32	87.04	108.49	68.20	40.29	Peak
2	5350.020	19.03	34.40	31.39	38.62	60.66	74.00	-13.34	Peak
3	5354.187	19.04	34.42	31.39	39.00	61.07	74.00	-12.93	Peak

5G SDR_20M_TX_CH_H_Vertical-Avg

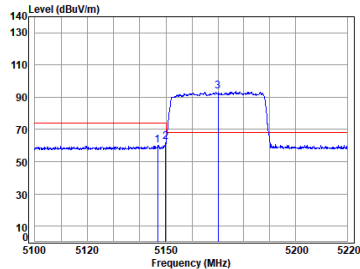


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5233 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5233.000	18.70	34.07	31.32	75.59	97.04	-----	-----	Average
2	5350.020	19.03	34.40	31.39	26.54	48.58	54.00	-5.42	Average
3 q	5357.873	19.05	34.43	31.39	26.93	49.02	54.00	-4.98	Average



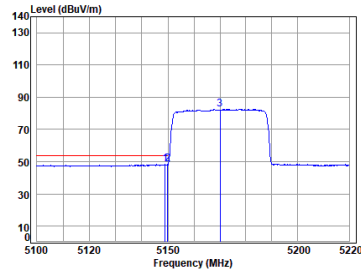
5G SDR_40M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5170 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.828	18.46	33.91	31.28	39.10	60.19	74.00	-13.81	Peak	
2	5149.980	18.47	33.90	31.28	41.44	62.53	74.00	-11.47	Peak	
3 p	5170.000	18.53	33.94	31.29	72.28	93.46	68.20	25.26	Peak	

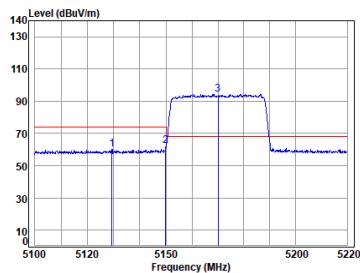
5G SDR_40M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5170 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.982	18.47	33.90	31.28	27.17	48.26	54.00	-5.74	Average	
2 q	5149.980	18.47	33.90	31.28	27.26	48.35	54.00	-5.65	Average	
3	5170.000	18.53	33.94	31.29	61.43	82.61	-----	-----	Average	

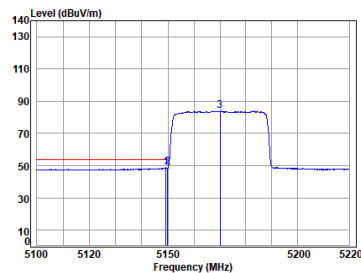
5G SDR_40M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5170 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.381	18.41	33.94	31.27	39.09	60.17	74.00	-13.83	Peak	
2	5149.980	18.47	33.90	31.28	41.26	62.35	74.00	-11.65	Peak	
3 p	5170.000	18.53	33.94	31.29	73.19	94.37	68.20	26.17	Peak	

5G SDR_40M_TX_CH_L_Vertical-Avg

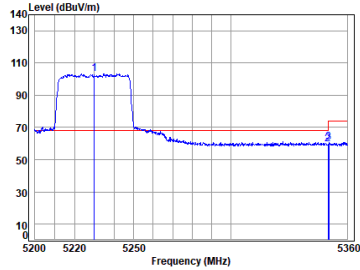


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5170 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.222	18.47	33.90	31.28	27.64	48.73	54.00	-5.27	Average	
2 q	5149.980	18.47	33.90	31.28	27.77	48.86	54.00	-5.14	Average	
3	5170.000	18.53	33.94	31.29	62.78	83.96	-----	-----	Average	



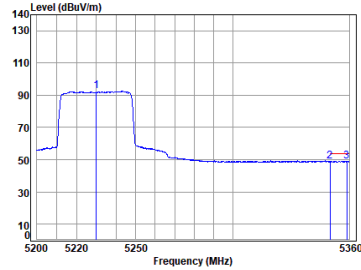
5G SDR_40M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5230 Band edge
: 5G SDR 40M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5230.000	18.70	34.06	31.32	81.81	103.25	68.20	35.05	Peak
2 5350.020	19.03	34.40	31.39	37.68	59.72	74.00	-14.28	Peak
3 5350.587	19.03	34.40	31.39	38.79	60.83	74.00	-13.17	Peak

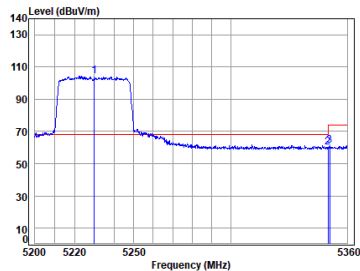
5G SDR_40M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5230 Band edge
: 5G SDR 40M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5230.000	18.70	34.06	31.32	71.00	92.44	-----	-----	Average
2 5350.020	19.03	34.40	31.39	26.87	48.91	54.00	-5.09	Average
3 q 5358.701	19.05	34.43	31.39	26.98	49.07	54.00	-4.93	Average

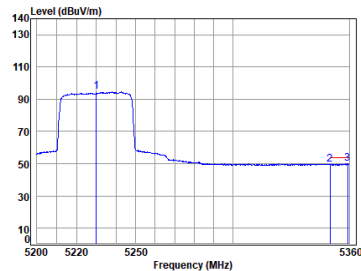
5G SDR_40M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5230 Band edge
: 5G SDR 40M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5230.000	18.70	34.06	31.32	82.72	104.16	68.20	35.96	Peak
2 5350.020	19.03	34.40	31.39	38.08	60.12	74.00	-13.88	Peak
3 5350.911	19.03	34.40	31.39	39.11	61.15	74.00	-12.85	Peak

5G SDR_40M_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5230 Band edge
: 5G SDR 40M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5230.000	18.70	34.06	31.32	73.22	94.66	-----	-----	Average
2 5350.020	19.03	34.40	31.39	27.46	49.50	54.00	-4.50	Average
3 q 5359.188	19.05	34.44	31.39	27.93	50.03	54.00	-3.97	Average



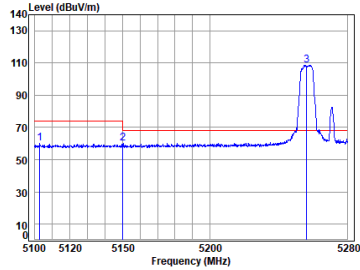
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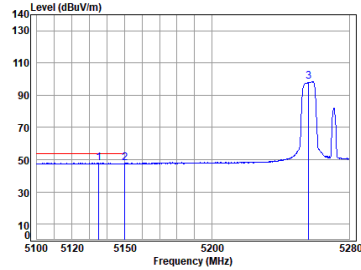
5G SDR_10M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5256.36 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV/m	Line	Limit	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5102.831	18.34	33.99	31.26	39.10	60.17	74.00	-13.83 Peak
2	5149.980	18.47	33.90	31.28	38.83	59.92	74.00	-14.08 Peak
3 p	5256.360	18.77	34.11	31.34	87.19	108.73	68.20	40.53 Peak

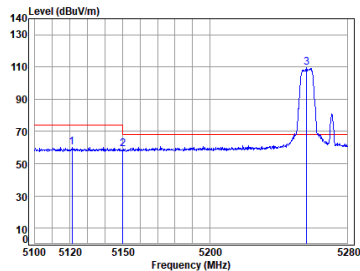
5G SDR_10M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5256.36 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dBuV/m	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5135.324	18.43	33.93	31.27	27.00	48.09	54.00	-5.91 Average
2	5149.980	18.47	33.90	31.28	26.67	47.76	54.00	-6.24 Average
3	5256.360	18.77	34.11	31.34	76.87	98.41	-----	----- Average

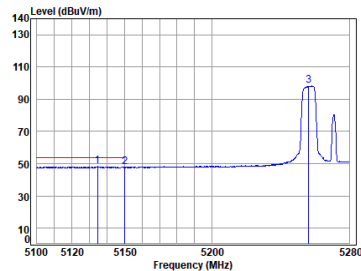
5G SDR_10M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5256.36 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dBuV/m	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5121.094	18.39	33.96	31.27	39.16	60.24	74.00	-13.76 Peak
2	5149.980	18.47	33.90	31.28	37.88	58.97	74.00	-15.03 Peak
3 p	5256.360	18.77	34.11	31.34	88.06	109.60	68.20	41.40 Peak

5G SDR_10M_TX_CH_L_Vertical-Avg

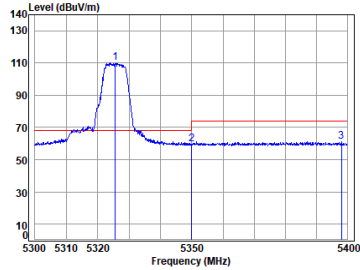


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5256.36 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dBuV/m	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5134.434	18.43	33.93	31.27	27.29	48.38	54.00	-5.62 Average
2	5149.980	18.47	33.90	31.28	26.90	47.99	54.00	-6.01 Average
3	5256.360	18.77	34.11	31.34	76.74	98.28	-----	----- Average



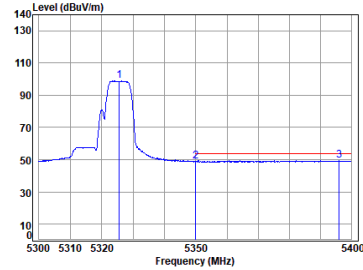
5G SDR_10M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5325.58 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5325.580	18.96	34.30	31.37	88.05	109.94	68.20	41.74	Peak		
2 5350.020	19.03	34.40	31.39	37.59	59.63	74.00	-14.37	Peak		
3 5398.184	19.16	34.59	31.41	39.05	61.39	74.00	-12.61	Peak		

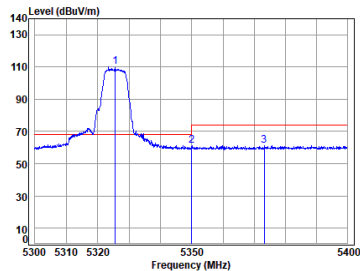
5G SDR_10M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5325.58 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5325.580	18.96	34.30	31.37	77.12	99.01	-----	-----	Average		
2 5350.020	19.03	34.40	31.39	26.81	48.85	54.00	-5.15	Average		
3 q 5396.065	19.15	34.58	31.41	27.16	49.48	54.00	-4.52	Average		

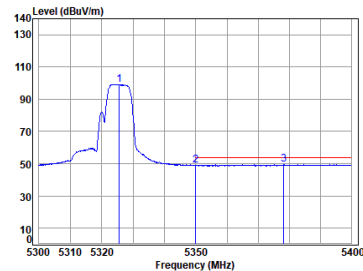
5G SDR_10M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5325.58 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5325.580	18.96	34.30	31.37	88.44	110.33	68.20	42.13	Peak		
2 5350.020	19.03	34.40	31.39	38.97	61.01	74.00	-12.99	Peak		
3 5373.318	19.09	34.49	31.40	39.22	61.40	74.00	-12.60	Peak		

5G SDR_10M_TX_CH_H_Vertical-Avg

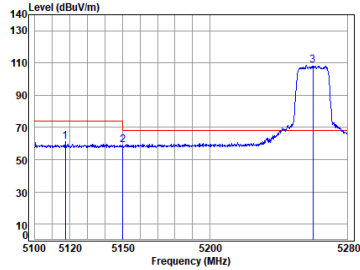


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5325.58 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Remark
MHz		dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5325.580	18.96	34.30	31.37	77.30	99.19	-----	-----	Average		
2 5350.020	19.03	34.40	31.39	26.90	48.94	54.00	-5.06	Average		
3 q 5378.241	19.10	34.51	31.40	27.32	49.53	54.00	-4.47	Average		



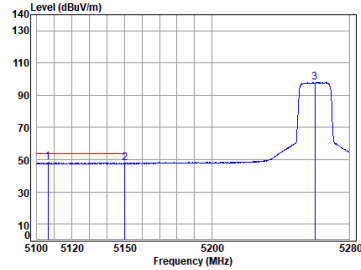
5G SDR_20M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5260 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5117.188	18.38	33.97	31.26	40.19	61.28	74.00	-12.72	Peak
2	5149.980	18.47	33.90	31.28	37.96	59.05	74.00	-14.95	Peak
3 p	5260.000	18.78	34.12	31.34	86.96	108.52	68.20	40.32	Peak

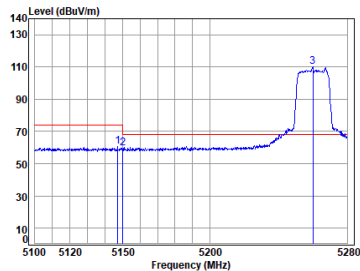
5G SDR_20M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5260 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5106.372	18.35	33.99	31.26	27.15	48.23	54.00	-5.77	Average
2	5149.980	18.47	33.90	31.28	26.72	47.81	54.00	-6.19	Average
3	5260.000	18.78	34.12	31.34	76.59	98.15	-----	-----	Average

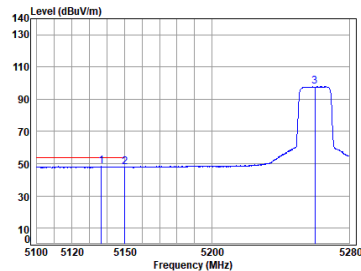
5G SDR_20M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5260 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.094	18.46	33.91	31.28	39.46	60.55	74.00	-13.45	Peak
2	5149.980	18.47	33.90	31.28	38.33	59.42	74.00	-14.58	Peak
3 p	5260.000	18.78	34.12	31.34	88.54	110.10	68.20	41.90	Peak

5G SDR_20M_TX_CH_L_Vertical-Avg

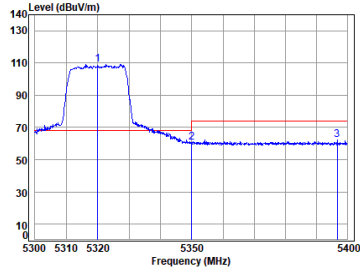


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5260 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5136.750	18.43	33.93	31.27	27.13	48.22	54.00	-5.78	Average
2	5149.980	18.47	33.90	31.28	26.96	48.05	54.00	-5.95	Average
3	5260.000	18.78	34.12	31.34	76.53	98.09	-----	-----	Average



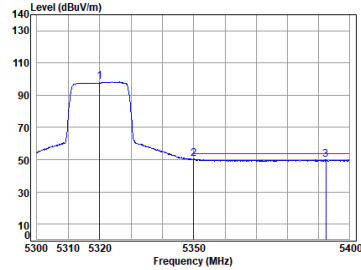
5G SDR_20M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5320 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5320.000	18.94	34.28	31.37	87.44	109.29	68.20	41.09	Peak
2	5350.020	19.03	34.40	31.39	38.65	60.69	74.00	-13.31	Peak
3	5396.771	19.15	34.59	31.41	39.82	62.15	74.00	-11.85	Peak

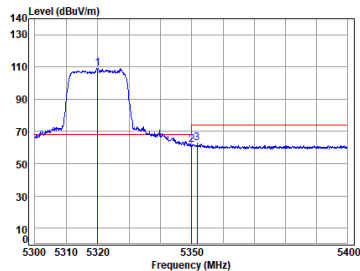
5G SDR_20M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5320 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	18.94	34.28	31.37	76.45	98.30	-----	-----	Average
2 q	5350.020	19.03	34.40	31.39	28.62	50.66	54.00	-3.34	Average
3	5392.435	19.14	34.57	31.41	27.72	50.02	54.00	-3.98	Average

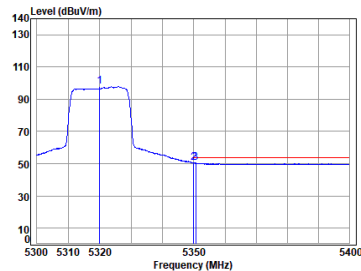
5G SDR_20M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5320 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5320.000	18.94	34.28	31.37	87.46	109.31	68.20	41.11	Peak
2	5350.020	19.03	34.40	31.39	39.60	61.64	74.00	-12.36	Peak
3	5351.767	19.03	34.41	31.39	40.76	62.81	74.00	-11.19	Peak

5G SDR_20M_TX_CH_H_Vertical-Avg

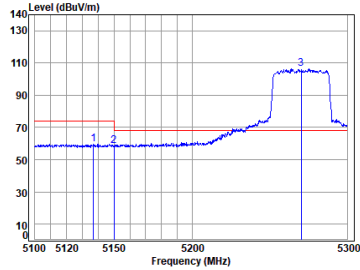


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5320 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	18.94	34.28	31.37	75.92	97.77	-----	-----	Average
2 q	5350.020	19.03	34.40	31.39	28.64	50.68	54.00	-3.32	Average
3	5350.667	19.03	34.40	31.39	28.26	50.30	54.00	-3.70	Average



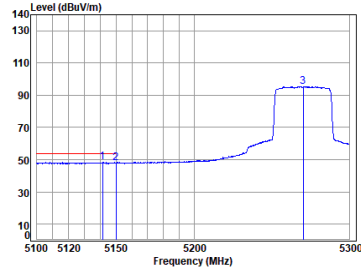
5G SDR_40M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5270 Band edge
: 5G SDR 40M

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5136.817	18.43	33.93	31.27	38.74	59.83	74.00	-14.17	Peak	
2 5149.980	18.47	33.90	31.28	37.50	58.59	74.00	-15.41	Peak	
3 p 5270.000	18.81	34.14	31.34	84.72	106.33	68.20	38.13	Peak	

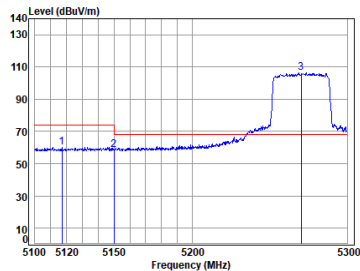
5G SDR_40M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5270 Band edge
: 5G SDR 40M

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5141.364	18.45	33.92	31.28	27.36	48.45	54.00	-5.55	Average	
2 5149.980	18.47	33.90	31.28	26.90	47.99	54.00	-6.01	Average	
3 5270.000	18.81	34.14	31.34	73.93	95.54	-----	-----	Average	

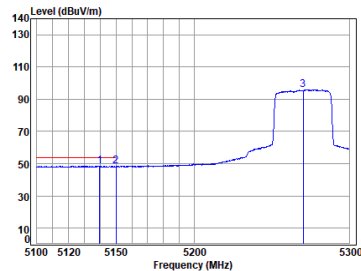
5G SDR_40M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5270 Band edge
: 5G SDR 40M

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5117.096	18.38	33.97	31.26	39.21	60.30	74.00	-13.70	Peak	
2 5149.980	18.47	33.90	31.28	37.69	58.78	74.00	-15.22	Peak	
3 p 5270.000	18.81	34.14	31.34	84.74	106.35	68.20	38.15	Peak	

5G SDR_40M_TX_CH_L_Vertical-Avg

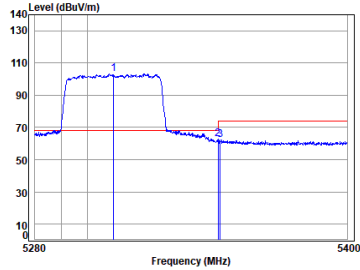


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5270 Band edge
: 5G SDR 40M

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5139.584	18.44	33.92	31.28	27.51	48.59	54.00	-5.41	Average	
2 5149.980	18.47	33.90	31.28	27.35	48.44	54.00	-5.56	Average	
3 5270.000	18.81	34.14	31.34	74.37	95.98	-----	-----	Average	



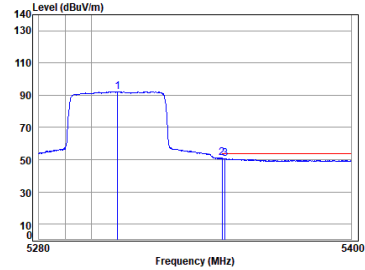
5G SDR_40M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5310 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5310.000	18.92	34.24	31.36	81.59	103.39	68.20	35.19	Peak
2	5350.020	19.03	34.40	31.39	40.63	62.67	74.00	-11.33	Peak
3	5350.834	19.03	34.40	31.39	40.20	62.24	74.00	-11.76	Peak

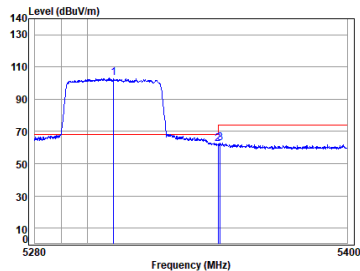
5G SDR_40M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5310 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	18.92	34.24	31.36	70.54	92.34	-----	-----	Average
2 q	5350.020	19.03	34.40	31.39	29.04	51.08	54.00	-2.92	Average
3	5351.195	19.03	34.40	31.39	28.74	50.78	54.00	-3.22	Average

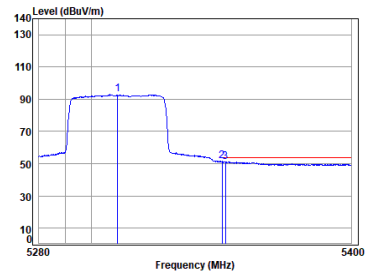
5G SDR_40M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5310 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5310.000	18.92	34.24	31.36	81.40	103.20	68.20	35.00	Peak
2	5350.020	19.03	34.40	31.39	40.37	62.41	74.00	-11.59	Peak
3	5350.834	19.03	34.40	31.39	40.53	62.57	74.00	-11.43	Peak

5G SDR_40M_TX_CH_H_Vertical-Avg

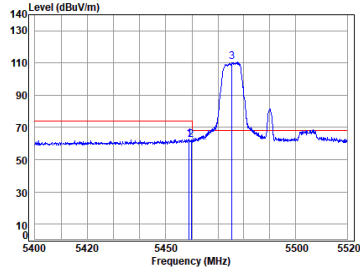


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5310 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	18.92	34.24	31.36	71.15	92.95	-----	-----	Average
2 q	5350.020	19.03	34.40	31.39	29.39	51.43	54.00	-2.57	Average
3	5351.436	19.03	34.41	31.39	29.14	51.19	54.00	-2.81	Average



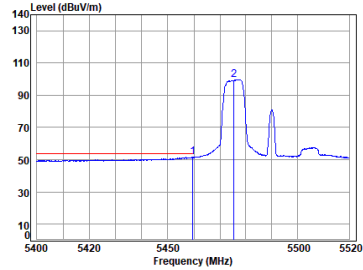
5G SDR_10M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5475.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.950	19.32	34.66	31.44	40.11	62.65	74.00	-11.35	Peak
2	5459.791	19.32	34.66	31.44	40.01	62.55	74.00	-11.45	Peak
3 p	5475.360	19.36	34.60	31.45	88.18	110.69	68.20	42.49	Peak

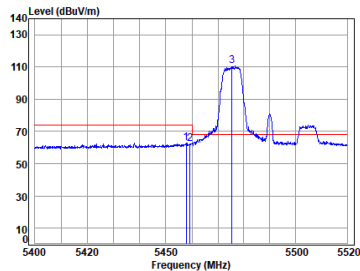
5G SDR_10M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5475.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5459.670	19.32	34.66	31.44	28.99	51.53	54.00	-2.47	Average
2	5475.360	19.36	34.60	31.45	77.28	99.79	-----	-----	Average

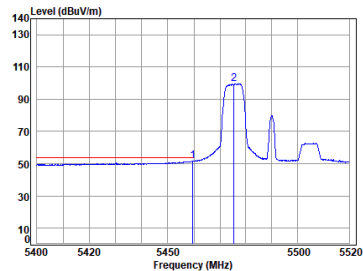
5G SDR_10M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5475.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.871	19.32	34.67	31.44	40.14	62.69	74.00	-11.31	Peak
2	5459.190	19.32	34.66	31.44	39.97	62.51	74.00	-11.49	Peak
3 p	5475.360	19.36	34.60	31.45	88.14	110.65	68.20	42.45	Peak

5G SDR_10M_TX_CH_L_Vertical-Avg

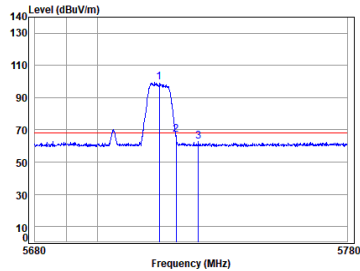


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5475.36 Band edge
: 5G SDR 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5459.550	19.32	34.66	31.44	29.30	51.84	54.00	-2.16	Average
2	5475.360	19.36	34.60	31.45	77.19	99.70	-----	-----	Average



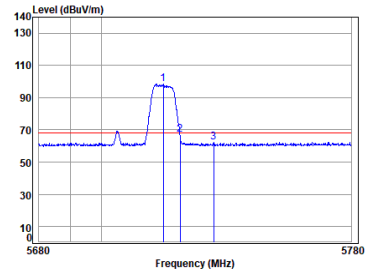
5G SDR_10M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5719.64 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	dB	dB/m	Factor	Factor	Level	dBuV	Line	Limit
						dBuV/m	dB	dB
1 p 5719.640	19.82	34.26	31.57	76.83	99.34	68.20	31.14	Peak
2 5725.000	19.83	34.25	31.57	44.69	67.20	68.20	-1.00	Peak
3 5732.182	19.84	34.24	31.57	40.36	62.87	68.20	-5.33	Peak

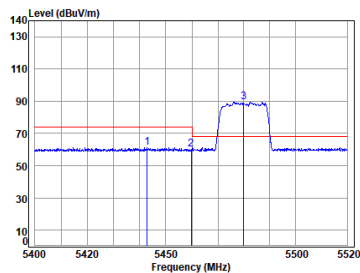
5G SDR_10M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5719.64 Band edge
: 5G SDR 10M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	dB	dB/m	Factor	Factor	Level	dBuV	Line	Limit
						dBuV/m	dB	dB
1 p 5719.640	19.82	34.26	31.57	76.08	98.59	68.20	30.39	Peak
2 5725.000	19.83	34.25	31.57	44.64	67.15	68.20	-1.05	Peak
3 5735.785	19.85	34.23	31.58	39.82	62.32	68.20	-5.88	Peak

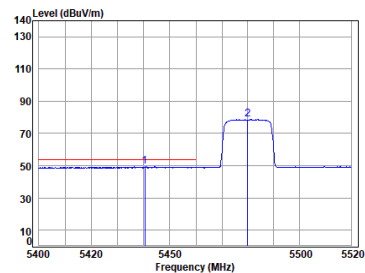
5G SDR_20M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5480 Band edge
: 5G SDR 20M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	dB	dB/m	Factor	Factor	Level	dBuV	Line	Limit
						dBuV/m	dB	dB
1 5442.777	19.28	34.69	31.43	38.72	61.26	74.00	-12.74	Peak
2 5459.791	19.32	34.66	31.44	37.70	60.24	74.00	-13.76	Peak
3 p 5480.000	19.38	34.58	31.45	67.10	89.61	68.20	21.41	Peak

5G SDR_20M_TX_CH_L_Horizontal-Avg

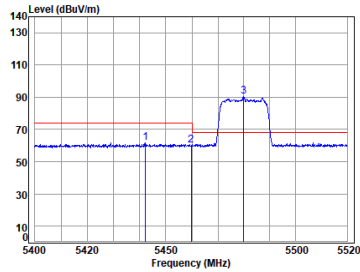


Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5480 Band edge
: 5G SDR 20M

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over
MHz	dB	dB/m	Factor	Factor	Level	dBuV	Line	Limit
						dBuV/m	dB	dB
1 q 5440.385	19.27	34.68	31.43	26.94	49.46	54.00	-4.54	Average
2 5480.000	19.38	34.58	31.45	56.27	78.78	-----	-----	Average



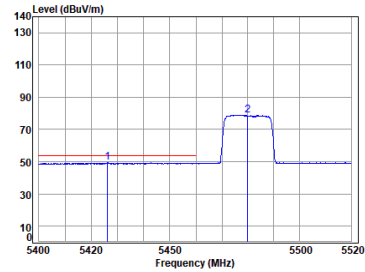
5G SDR_20M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5480 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5442.179	19.28	34.68	31.43	39.29	61.82	74.00	-12.18 Peak
2 5459.791	19.32	34.66	31.44	37.62	60.16	74.00	-13.84 Peak
3 p 5480.000	19.38	34.58	31.45	67.89	90.40	68.20	22.20 Peak

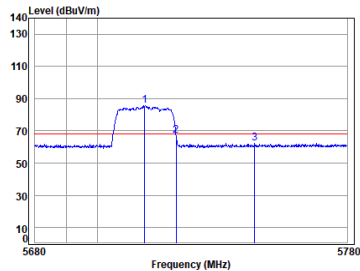
5G SDR_20M_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5480 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5426.174	19.23	34.65	31.42	27.03	49.49	54.00	-4.51 Average
2 5480.000	19.38	34.58	31.45	56.52	79.03	68.20	10.83 Average

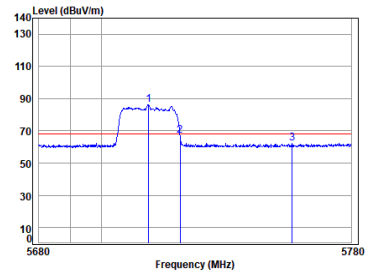
5G SDR_20M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5715 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5715.000	19.81	34.27	31.57	63.18	85.69	68.20	17.49 Peak
2 5725.000	19.83	34.25	31.57	44.71	67.22	68.20	-0.98 Peak
3 5750.218	19.87	34.20	31.58	39.71	62.20	68.20	-6.00 Peak

5G SDR_20M_TX_CH_H_Vertical-Peak

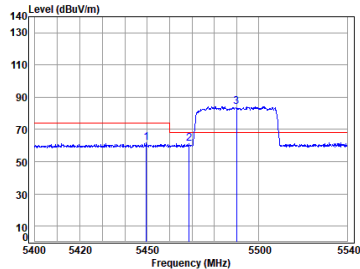


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5715 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5715.000	19.81	34.27	31.57	63.90	86.41	68.20	18.21 Peak
2 5725.000	19.83	34.25	31.57	44.62	67.13	68.20	-1.07 Peak
3 5760.966	19.89	34.22	31.59	39.86	62.38	68.20	-5.82 Peak



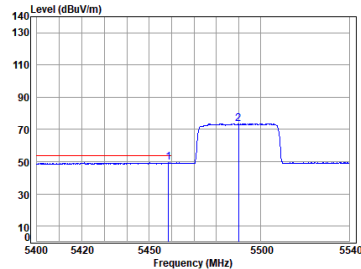
5G SDR_40M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5490 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5449.569	19.30	34.70	31.44	38.97	61.53	74.00	-12.47	Peak
2	5468.712	19.35	34.63	31.45	38.51	61.04	68.20	-7.16	Peak
3 p	5490.000	19.40	34.54	31.46	61.87	84.35	68.20	16.15	Peak

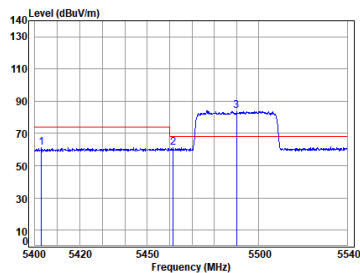
5G SDR_40M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5490 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5458.643	19.32	34.67	31.44	26.84	49.39	54.00	-4.61	Average
2	5490.000	19.40	34.54	31.46	51.24	73.72	68.20	5.52	Average

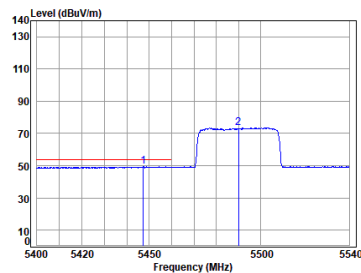
5G SDR_40M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5490 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5402.903	19.17	34.61	31.41	38.81	61.18	74.00	-12.82	Peak
2	5461.578	19.33	34.65	31.44	38.60	61.14	68.20	-7.06	Peak
3 p	5490.000	19.40	34.54	31.46	61.45	83.93	68.20	15.73	Peak

5G SDR_40M_TX_CH_L_Vertical-Avg

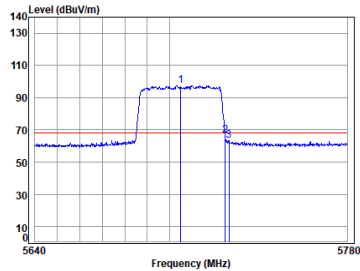


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5490 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5447.338	19.29	34.69	31.43	26.83	49.38	54.00	-4.62	Average
2	5490.000	19.40	34.54	31.46	51.16	73.64	68.20	5.44	Average



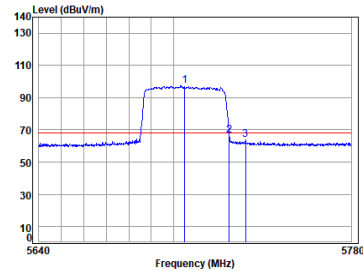
5G SDR_40M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5705 Band edge
: 5G SDR 40M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5705.000	19.80	34.29	31.56	75.08	97.61	68.20	29.41 Peak
2 5725.000	19.83	34.25	31.57	44.22	66.73	68.20	-1.47 Peak
3 5726.676	19.83	34.25	31.57	40.99	63.50	68.20	-4.70 Peak

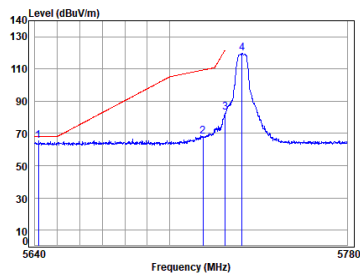
5G SDR_40M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5705 Band edge
: 5G SDR 40M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5705.000	19.80	34.29	31.56	74.89	97.42	68.20	29.22 Peak
2 5725.000	19.83	34.25	31.57	44.10	66.61	68.20	-1.59 Peak
3 5732.295	19.84	34.24	31.57	41.11	63.62	68.20	-4.58 Peak

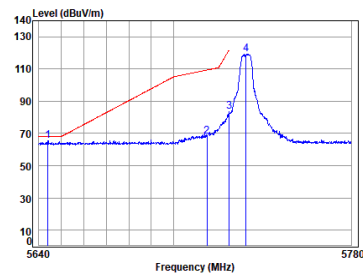
5G SDR_5M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5732.5 Band edge
: 5G SDR 5M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5641.660	29.68	34.45	31.53	32.65	65.25	68.20	-2.95 Peak
2 5715.000	29.77	34.27	31.57	35.85	68.32	109.40	-41.08 Peak
3 5725.000	29.78	34.25	31.57	50.49	82.95	122.20	-39.25 Peak
4 5732.500	29.79	34.24	31.57	87.22	119.68	-----	----- Peak

5G SDR_5M_TX_CH_L_Vertical-Peak

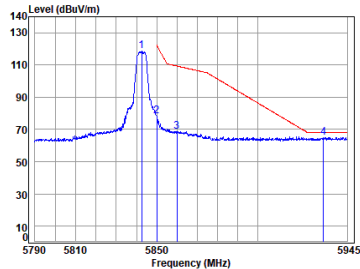


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5732.5 Band edge
: 5G SDR 5M

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Line	Limit
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5644.012	29.68	34.44	31.53	33.10	65.69	68.20	-2.51 Peak
2 5715.000	29.77	34.27	31.57	35.53	68.00	109.40	-41.40 Peak
3 5725.000	29.78	34.25	31.57	51.25	83.71	122.20	-38.49 Peak
4 5732.500	29.79	34.24	31.57	86.95	119.41	-----	----- Peak



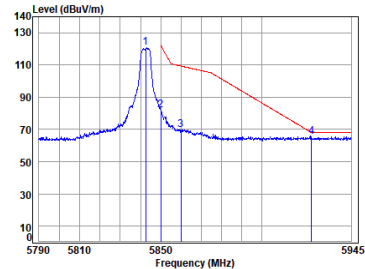
5G SDR_5M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5842.5 Band edge
: 5G SDR 5M

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	Line	Limit	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5842.500	29.93	34.39	31.63	85.75	118.44	----- Peak
2	5850.000	29.94	34.40	31.63	45.48	78.19	122.20 -44.01 Peak
3	5860.000	29.96	34.44	31.64	35.82	68.58	109.40 -40.82 Peak
4 p	5933.076	30.05	34.67	31.67	32.13	65.18	68.20 -3.02 Peak

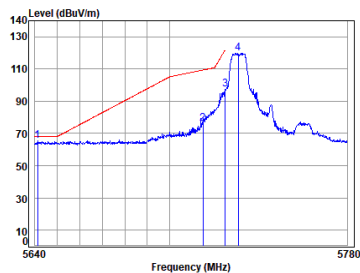
5G SDR_5M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5842.5 Band edge
: 5G SDR 5M

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	Line	Limit	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5842.500	29.93	34.39	31.63	87.94	120.63	----- Peak
2	5850.000	29.94	34.40	31.63	49.35	82.06	122.20 -40.14 Peak
3	5860.000	29.96	34.44	31.64	36.76	69.52	109.40 -39.88 Peak
4 p	5925.087	30.04	34.65	31.67	32.35	65.37	68.20 -2.83 Peak

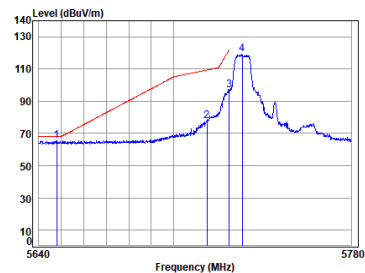
5G SDR_10M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5730.86 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	Line	Limit	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5641.245	29.68	34.45	31.53	32.89	65.49	68.20 -2.71 Peak
2	5715.000	29.77	34.27	31.57	43.65	76.12	109.40 -33.28 Peak
3	5725.000	29.78	34.25	31.57	65.17	97.63	122.20 -24.57 Peak
4	5730.860	29.79	34.24	31.57	87.55	120.01	----- Peak

5G SDR_10M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5730.86 Band edge
: 5G SDR 10M

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
MHz	Loss	Factor	Factor	Level	Line	Limit	dB
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5647.888	29.69	34.41	31.53	32.97	65.54	68.20 -2.66 Peak
2	5715.000	29.77	34.27	31.57	45.24	77.71	109.40 -31.69 Peak
3	5725.000	29.78	34.25	31.57	64.41	96.87	122.20 -25.33 Peak
4	5730.860	29.79	34.24	31.57	86.56	119.02	----- Peak



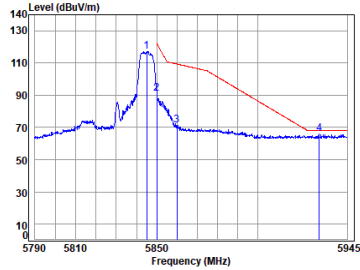
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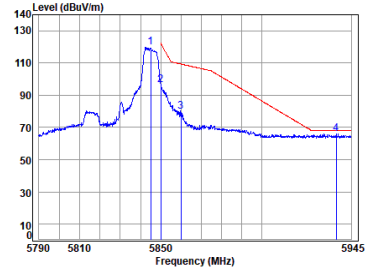
5G SDR_10M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5845.14 Band edge
: 5G SDR 10M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5845.140	29.94	34.39	31.63	84.58	117.28	-----	-----	Peak
2 5850.000	29.94	34.40	31.63	58.21	90.92	122.20	-31.28	Peak
3 5860.000	29.96	34.44	31.64	38.43	71.19	109.40	-38.21	Peak
4 p 5930.882	30.04	34.66	31.67	33.05	66.08	68.20	-2.12	Peak

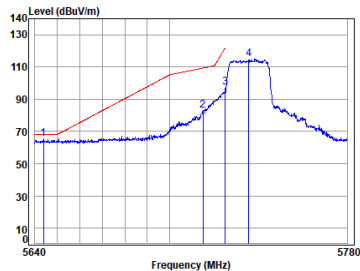
5G SDR_10M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5845.14 Band edge
: 5G SDR 10M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5845.140	29.94	34.39	31.63	86.90	119.60	-----	-----	Peak
2 5850.000	29.94	34.40	31.63	63.46	96.17	122.20	-26.03	Peak
3 5860.000	29.96	34.44	31.64	46.99	79.75	109.40	-29.65	Peak
4 p 5937.466	30.05	34.67	31.67	32.97	66.02	68.20	-2.18	Peak

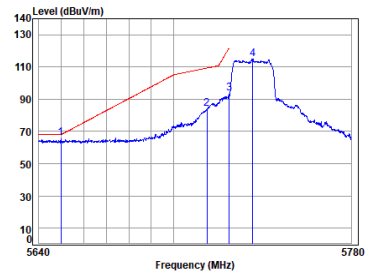
5G SDR_20M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5735.5 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5643.874	29.68	34.44	31.53	33.06	65.65	68.20	-2.55	Peak
2 5715.000	29.77	34.27	31.57	50.32	82.79	109.40	-26.61	Peak
3 5725.000	29.78	34.25	31.57	64.81	97.27	122.20	-24.93	Peak
4 5735.500	29.80	34.23	31.58	82.37	114.82	-----	-----	Peak

5G SDR_20M_TX_CH_L_Vertical-Peak

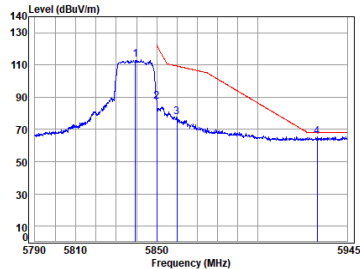


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5735.5 Band edge
: 5G SDR 20M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5649.827	29.69	34.40	31.54	33.44	65.99	68.20	-2.21	Peak
2 5715.000	29.77	34.27	31.57	51.49	83.96	109.40	-25.44	Peak
3 5725.000	29.78	34.25	31.57	61.33	93.79	122.20	-28.41	Peak
4 5735.500	29.80	34.23	31.58	82.78	115.23	-----	-----	Peak



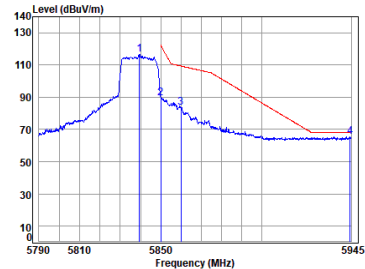
5G SDR_20M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5839.5 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5839.500	29.93	34.38	31.63	80.56	113.24	-----	-----	Peak
2	5850.000	29.94	34.40	31.63	54.51	87.22	122.20	-34.98	Peak
3	5860.000	29.96	34.44	31.64	45.19	77.95	109.40	-31.45	Peak
4 p	5929.942	30.04	34.66	31.67	32.47	65.50	68.20	-2.70	Peak

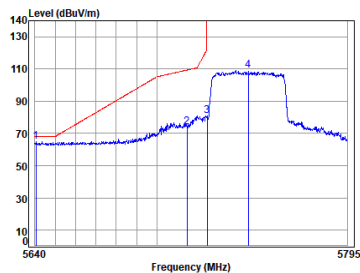
5G SDR_20M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5839.5 Band edge
: 5G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5839.500	29.93	34.38	31.63	83.83	116.51	-----	-----	Peak
2	5850.000	29.94	34.40	31.63	56.88	89.59	122.20	-32.61	Peak
3	5860.000	29.96	34.44	31.64	50.80	83.56	109.40	-25.84	Peak
4 p	5944.529	30.06	34.69	31.67	32.33	65.41	68.20	-2.79	Peak

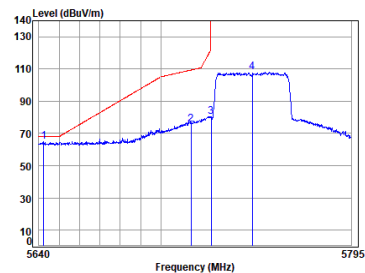
5G SDR_40M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5745.5 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5640.459	29.68	34.46	31.53	32.26	64.87	68.20	-3.33	Peak
2	5715.000	29.77	34.27	31.57	41.71	74.18	109.40	-35.22	Peak
3	5725.000	29.78	34.25	31.57	48.43	80.89	122.20	-41.31	Peak
4	5745.500	29.81	34.21	31.58	76.87	109.31	-----	-----	Peak

5G SDR_40M_TX_CH_L_Vertical-Peak

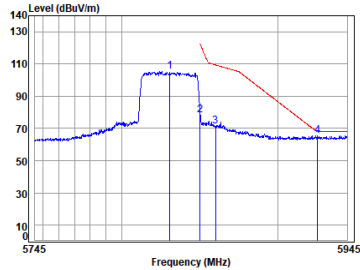


Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5745.5 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5642.447	29.68	34.45	31.53	32.43	65.03	68.20	-3.17	Peak
2	5715.000	29.77	34.27	31.57	43.24	75.71	109.40	-33.69	Peak
3	5725.000	29.78	34.25	31.57	48.03	80.49	122.20	-41.71	Peak
4	5745.500	29.81	34.21	31.58	75.40	107.84	-----	-----	Peak



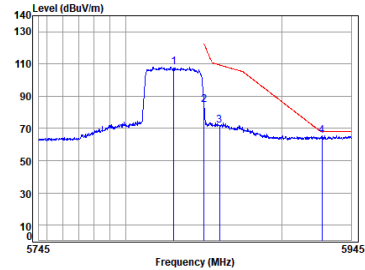
5G SDR_40M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04907AT\04908AT
Mode : 5830.5 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5830.500	29.92	34.36	31.62	72.71	105.37	-----	-----	Peak
2	5850.000	29.94	34.40	31.63	45.60	78.31	122.20	-43.89	Peak
3	5860.000	29.96	34.44	31.64	38.59	71.35	109.40	-38.05	Peak
4 p	5925.705	30.04	34.65	31.67	32.64	65.66	68.20	-2.54	Peak

5G SDR_40M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 04907AT\04908AT
Mode : 5830.5 Band edge
: 5G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5830.500	29.92	34.36	31.62	75.47	108.13	-----	-----	Peak
2	5850.000	29.94	34.40	31.63	52.12	84.83	122.20	-37.37	Peak
3	5860.000	29.96	34.44	31.64	39.34	72.10	109.40	-37.30	Peak
4 p	5925.907	30.04	34.65	31.67	32.57	65.59	68.20	-2.61	Peak



7.5 Duty Cycle

Test Requirement: ANSI C63.10 (2020) Section 12.2
 Test Method: ANSI C63.10 (2020) Section 12.2
 Test Engineer: Mingli Hu

7.5.1 E.U.T. Operation

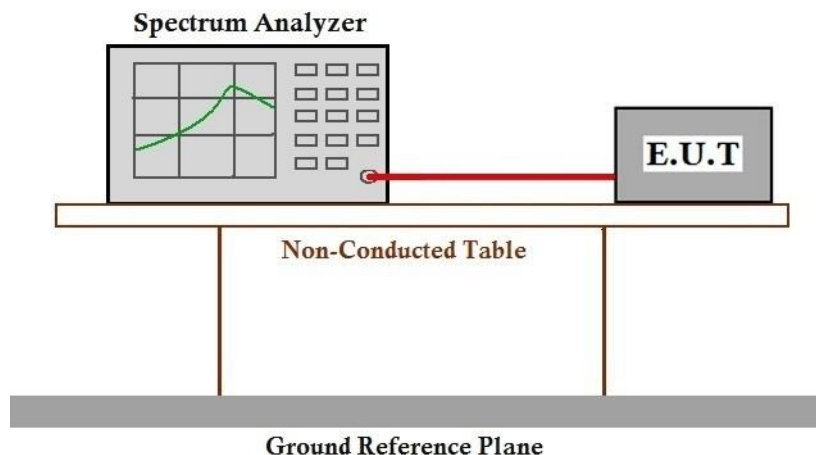
Operating Environment:

Temperature: 26.1 °C Humidity: 65.3 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.5.3 Test Setup Diagram



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 60 of 298

7.5.4 Measurement Procedure and Data

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

Please Refer to Appendix for Details



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7.6 99% Bandwidth

Test Requirement ANSI C63.10 (2020) Section 12.4.2
 Test Method: ANSI C63.10 (2020) Section 12.5.3
 Test Engineer: Mingli Hu

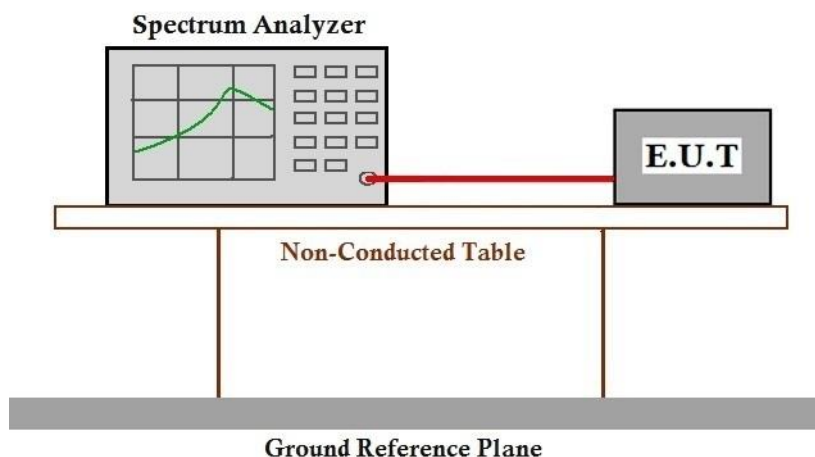
7.6.1 E.U.T. Operation

Operating Environment:
 Temperature: 26.1 °C Humidity: 65.3 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.6.3 Test Setup Diagram



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 62 of 298

7.6.4 Measurement Procedure and Data

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

Please Refer to Appendix for Details



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7.7 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
 Test Method: ANSI C63.10 (2020) Section 12.5.2
 Test Engineer: Mingli Hu

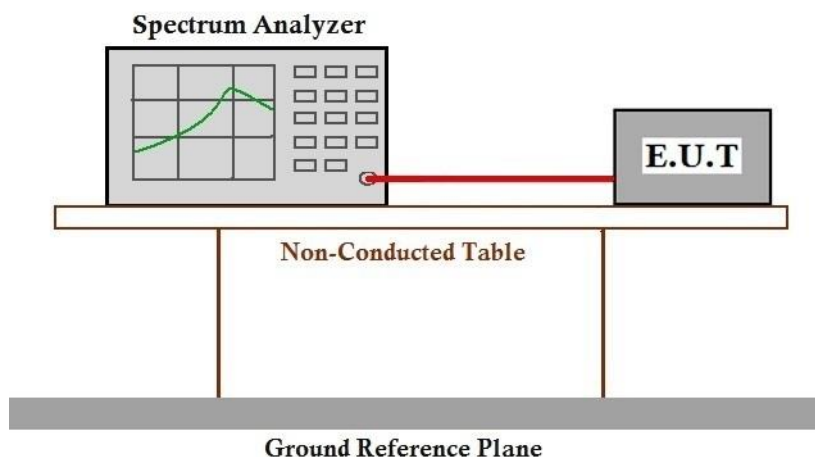
7.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 26.1 °C Humidity: 65.3 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.7.3 Test Setup Diagram



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 64 of 298

7.7.4 Measurement Procedure and Data

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

Please Refer to Appendix for Details



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7.8 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

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

Test Method: ANSI C63.10 (2020) Section 12.5.1

Test Engineer: Mingli Hu

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C

Humidity: 65.3 % RH

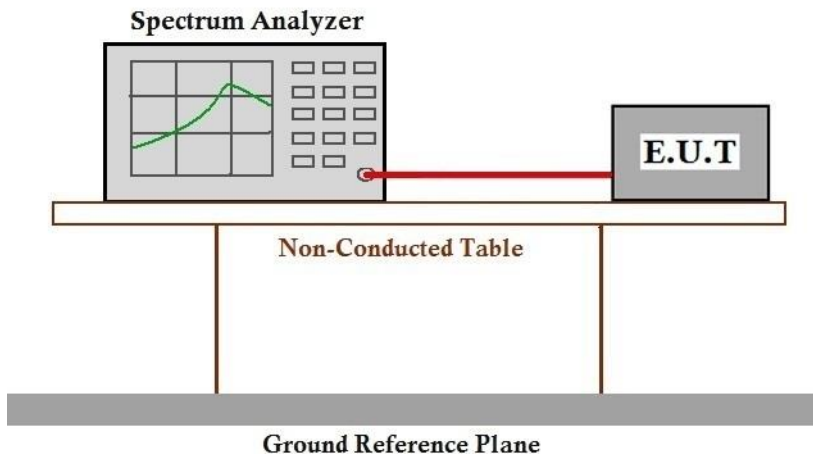
Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_ Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_ Keep the EUT in transmitting mode.



7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

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7.9 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2020) Section 12.4

Test Engineer: Mingli Hu

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C

Humidity: 65.3 % RH

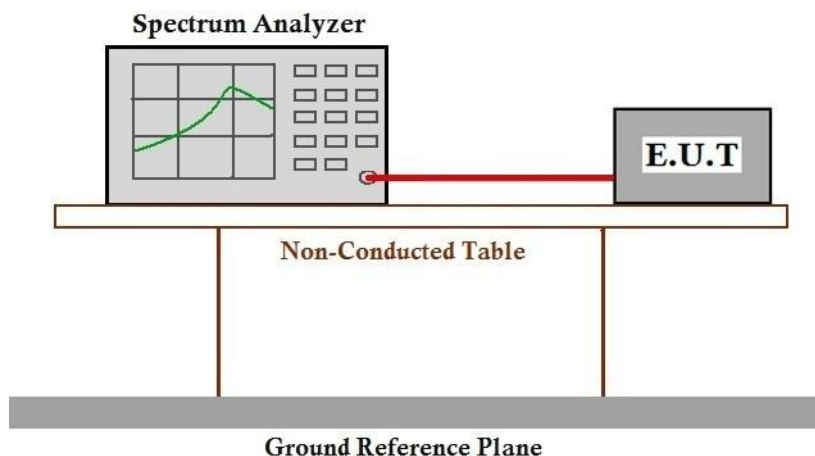
Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.



7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

AV Output power Level = Reading level + Cable loss + DCCF

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

Please Refer to Appendix for Details

7.10 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
 Test Method: ANSI C63.10 (2020) Section 12.6
 Test Engineer: Mingli Hu

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C

Humidity: 65.3 % RH

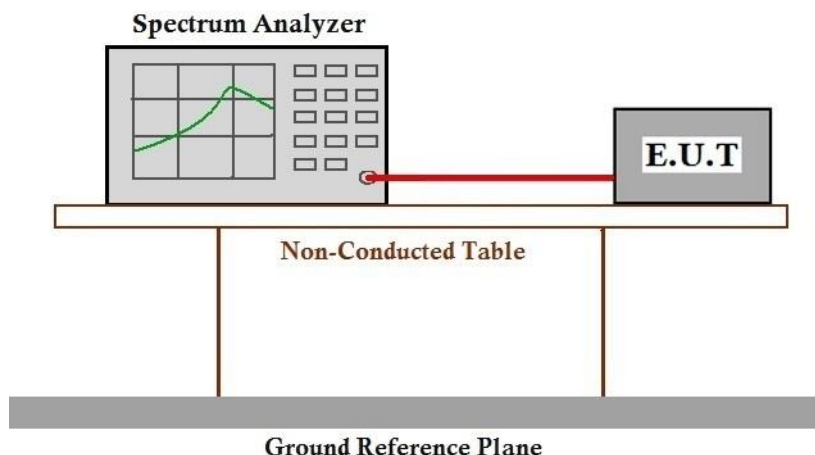
Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_ Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_ Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_ Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_ Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_ Keep the EUT in transmitting mode.



7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

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7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)

Test Method: ANSI C63.10 (2020) Section 6.8

Test Engineer: Mingli Hu

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C

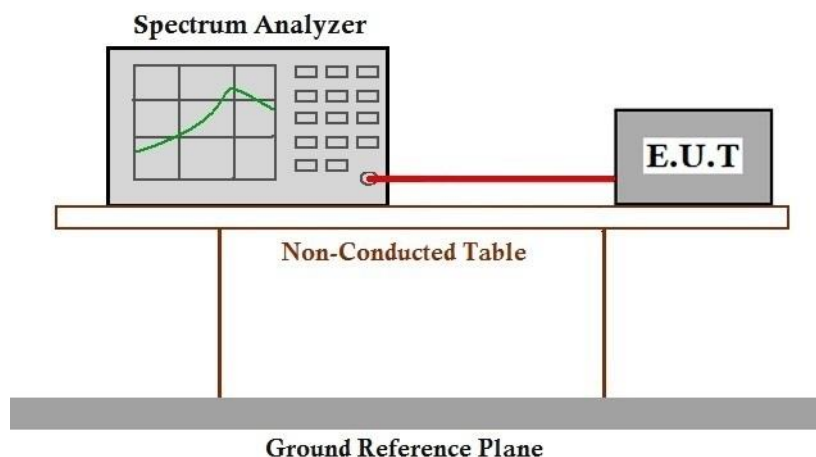
Humidity: 65.3 % RH

Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5G Band1 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	15	TX mode (5G Band1 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	16	TX mode (5G Band1 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	17	TX mode (5G Band2 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	18	TX mode (5G Band2 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	19	TX mode (5G Band2 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	20	TX mode (5G Band3 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5G Band3 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5G Band3 SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5G Band4 SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5G Band4 SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5G Band4 SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5G Band4 SDR_40MHz)_Keep the EUT in transmitting mode.

7.11.3 Test Setup Diagram



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 72 of 298

7.11.4 Measurement Procedure and Data

Note: All modes of all antenna combinations have been pre-tested, and the report only reflects data from the co-transmitting antenna with the worst performance.

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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2511004907AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2511004907AT

10 Appendix

ANT2&ANT3

1. Maximum Conducted Output Power

1.1 Test Result

1.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT2	ANT3	MIMO	Limit	
5G 10M B1	MIMO	5155.36	8.66	9.62	12.18	<=30	Pass
		5200	12.80	13.90	16.40	<=30	Pass
		5244.64	11.16	12.40	14.83	<=30	Pass
5G 20M B1	MIMO	5161	3.68	4.84	7.31	<=30	Pass
		5197	15.79	16.91	19.40	<=30	Pass
		5233	15.43	16.37	18.94	<=30	Pass
5G 40M B1	MIMO	5170	5.70	6.89	9.35	<=30	Pass
		5200	13.97	15.04	17.55	<=30	Pass
		5230	17.11	18.15	20.67	<=30	Pass
5G 10M B2A	MIMO	5256.36	14.81	14.72	17.78	<=23.79	Pass
		5290.89	15.24	15.56	18.41	<=20.75	Pass
		5325.58	14.94	15.22	18.09	<=20.98	Pass
5G 20M B2A	MIMO	5260	18.58	18.44	21.52	<=23.98	Pass
		5290	19.30	18.58	21.97	<=23.98	Pass
		5320	19.42	19.17	22.31	<=23.98	Pass
5G 40M B2A	MIMO	5270	19.51	19.28	22.41	<=23.98	Pass
		5290	16.84	16.09	19.49	<=23.98	Pass
		5310	16.20	15.98	19.10	<=23.98	Pass
5G 10M B2C	MIMO	5475.36	15.41	15.50	18.47	<=23.8	Pass
		5600	17.10	16.09	19.63	<=21.42	Pass
		5719.64	-1.65	-0.44	2.01	<=20.2	Pass
5G 20M B2C	MIMO	5480	-0.81	-0.19	2.52	<=23.98	Pass
		5600	19.59	19.09	22.36	<=23.98	Pass
		5715	-9.12	-8.12	-5.58	<=23.96	Pass
5G 40M B2C	MIMO	5490	-0.62	-0.51	2.45	<=23.98	Pass
		5600	20.16	19.64	22.92	<=23.98	Pass
		5705	5.45	6.65	9.10	<=23.98	Pass



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 75 of 298

5G 5M B3	MIMO	5732.5	19.42	18.66	22.07	<=30	Pass
		5787.5	19.17	19.10	22.15	<=30	Pass
		5842.5	19.24	18.44	21.87	<=30	Pass
5G 10M B3	MIMO	5730.86	17.49	16.48	20.02	<=30	Pass
		5788.14	21.07	19.71	23.45	<=30	Pass
		5845.14	14.63	13.97	17.32	<=30	Pass
5G 20M B3	MIMO	5735.5	23.42	22.76	26.11	<=30	Pass
		5787.5	23.04	23.08	26.07	<=30	Pass
		5839.5	23.19	22.50	25.87	<=30	Pass
5G 40M B3	MIMO	5745.5	19.98	18.81	22.44	<=30	Pass
		5787.5	23.04	23.01	26.04	<=30	Pass
		5830.5	16.89	16.29	19.61	<=30	Pass
5G 10M B2C+3	MIMO	5724.64	14.67	14.62	17.66	<=23.75	Pass
5G 20M B2C+3	MIMO	5720	19.27	19.10	22.20	<=23.98	Pass
5G 40M B2C+3	MIMO	5710	19.33	19.09	22.22	<=23.98	Pass

Note1: Antenna Gain:

- Band: 1 Ant2: 1.50dBi;
- Band: 3 Ant2: 1.50dBi;
- Band: 2A Ant2: 2.50dBi;
- Band: 2C Ant2: 2.00dBi;
- Band: 1+2A Ant2: 2.50dBi;
- Band: 2C+3 Ant2: 2.00dBi;
- Band: 2C+3 Ant3: 2.50dBi;
- Band: 1 Ant3: 2.50dBi;
- Band: 3 Ant3: 2.50dBi;
- Band: 2A Ant3: 2.50dBi;
- Band: 2C Ant3: 2.50dBi;
- Band: 1+2A Ant3: 2.50dBi;

Note2: Directional Gain: 2.5dBi



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2. Maximum Power Spectral Density

2.1 Test Result

2.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT2	ANT3	MIMO	Limit	
5G 10M B1	MIMO	5155.36	1.65	2.57	5.04	<=17	Pass
		5200	4.22	5.21	7.62	<=17	Pass
		5244.64	4.18	5.27	7.69	<=17	Pass
5G 20M B1	MIMO	5161	-7.94	-6.66	-4.32	<=17	Pass
		5197	4.19	5.22	7.65	<=17	Pass
		5233	3.94	4.88	7.28	<=17	Pass
5G 40M B1	MIMO	5170	-8.81	-7.53	-5.19	<=17	Pass
		5200	-0.20	0.65	2.91	<=17	Pass
		5230	2.82	3.70	6.20	<=17	Pass
5G 10M B2A	MIMO	5256.36	7.79	7.62	10.60	<=11	Pass
		5290.89	7.41	7.76	10.44	<=11	Pass
		5325.58	7.63	7.98	10.68	<=11	Pass
5G 20M B2A	MIMO	5260	6.98	6.83	9.85	<=11	Pass
		5290	7.81	7.00	10.26	<=11	Pass
		5320	7.96	7.61	10.63	<=11	Pass
5G 40M B2A	MIMO	5270	5.00	4.85	7.77	<=11	Pass
		5290	2.50	1.68	4.85	<=11	Pass
		5310	2.02	1.51	4.58	<=11	Pass
5G 10M B2C	MIMO	5475.36	7.62	7.38	10.51	<=11	Pass
		5600	8.48	7.50	10.81	<=11	Pass
		5719.64	-8.68	-7.52	-5.18	<=11	Pass
5G 20M B2C	MIMO	5480	-12.43	-11.79	-9.19	<=11	Pass
		5600	7.95	7.46	10.57	<=11	Pass
		5715	-18.60	-19.13	-15.85	<=11	Pass
5G 40M B2C	MIMO	5490	-15.14	-14.89	-12.02	<=11	Pass
		5600	5.78	5.34	8.22	<=11	Pass
		5705	-8.99	-7.68	-5.57	<=11	Pass
5G 10M B2C+3	MIMO	5724.64	7.51	7.87	10.61	<=11	Pass
5G 20M B2C+3	MIMO	5720	7.75	7.46	10.60	<=11	Pass
5G 40M B2C+3	MIMO	5710	4.82	4.65	7.72	<=11	Pass

Note1: Antenna Gain:
- Band: 1 Ant2: 1.50dBi;
- Band: 3 Ant2: 1.50dBi;

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251100490703

Page: 77 of 298

- Band: 2A Ant2: 2.50dBi;
- Band: 2C Ant2: 2.00dBi;
- Band: 1+2A Ant2: 2.50dBi;
- Band: 2C+3 Ant2: 2.00dBi;
- Band: 1+2A Ant3: 2.50dBi;
- Band: 2C+3 Ant3: 2.50dBi;
- Band: 1 Ant3: 2.50dBi;
- Band: 3 Ant3: 2.50dBi;
- Band: 2A Ant3: 2.50dBi;
- Band: 2C Ant3: 2.50dBi;

2.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT2	ANT3	MIMO	Limit	
5G 5M B3	MIMO	5732.5	11.61	10.69	14.05	<=30	Pass
		5787.5	11.16	11.06	14.05	<=30	Pass
		5842.5	11.35	10.42	13.66	<=30	Pass
5G 10M B3	MIMO	5730.86	7.74	6.70	10.05	<=30	Pass
		5788.14	11.24	9.94	13.55	<=30	Pass
		5845.14	5.08	4.09	7.49	<=30	Pass
5G 20M B3	MIMO	5735.5	9.08	8.60	11.78	<=30	Pass
		5787.5	8.85	8.86	11.71	<=30	Pass
		5839.5	8.88	8.31	11.50	<=30	Pass
5G 40M B3	MIMO	5745.5	2.67	1.57	4.99	<=30	Pass
		5787.5	6.16	6.06	8.83	<=30	Pass
		5830.5	-0.33	-1.05	2.15	<=30	Pass
5G 10M B2C+3	MIMO	5724.64	4.41	4.75	7.59	<=30	Pass
5G 20M B2C+3	MIMO	5720	4.73	4.75	7.61	<=30	Pass
5G 40M B2C+3	MIMO	5710	1.53	1.07	4.15	<=30	Pass

Note1: Antenna Gain:

- Band: 1 Ant2: 1.50dBi;
- Band: 3 Ant2: 1.50dBi;
- Band: 2A Ant2: 2.50dBi;
- Band: 2C Ant2: 2.00dBi;
- Band: 1+2A Ant2: 2.50dBi;
- Band: 2C+3 Ant2: 2.00dBi;
- Band: 3 Ant3: 2.50dBi;
- Band: 2A Ant3: 2.50dBi;
- Band: 2C Ant3: 2.50dBi;
- Band: 1+2A Ant3: 2.50dBi;
- Band: 2C+3 Ant3: 2.50dBi;
- Band: 1 Ant3: 2.50dBi;

Note2: Directional Gain: Band1: 5.51dBi, Band2A: 5.51dBi, Band2C: 5.51dBi, Band3: 5.51dBi, Band2C+3: 5.51dBi



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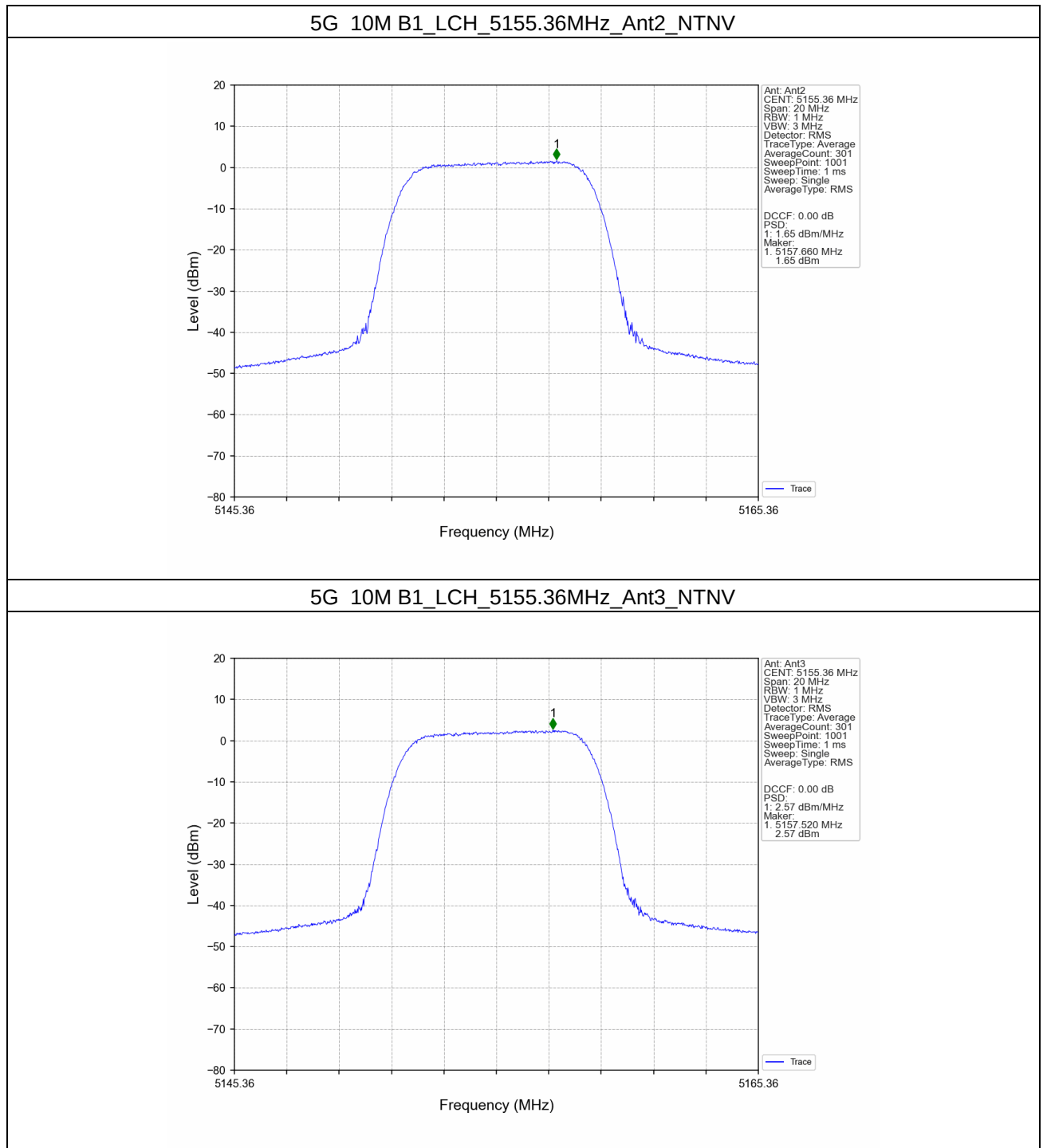
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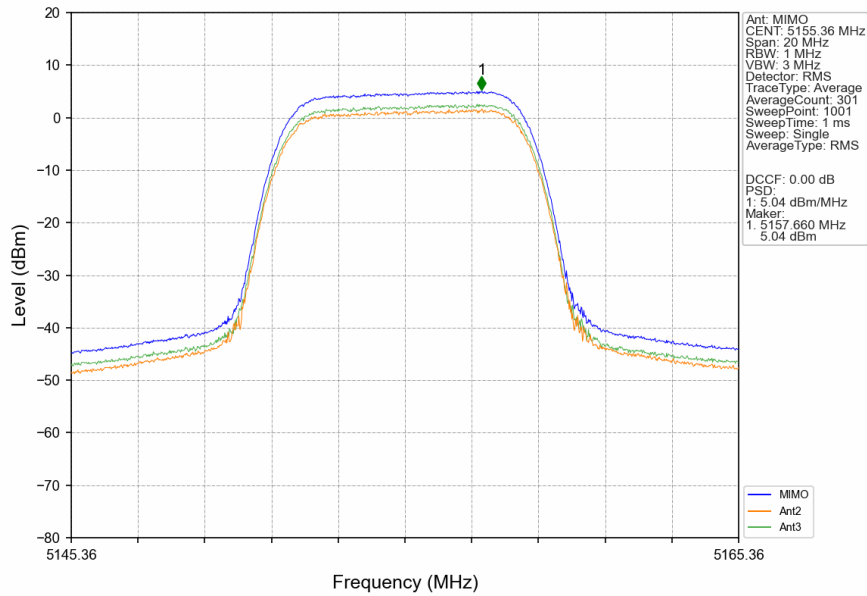
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2.2 Test Graph

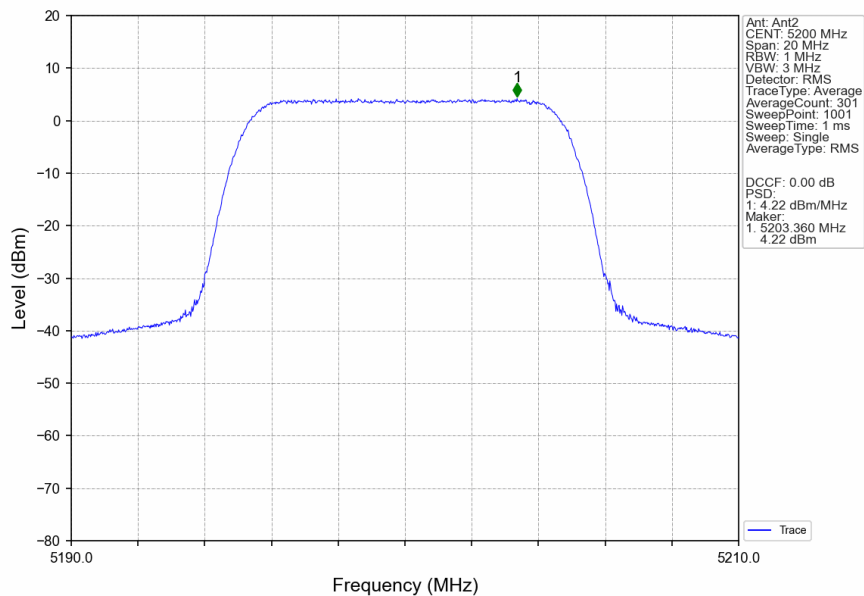
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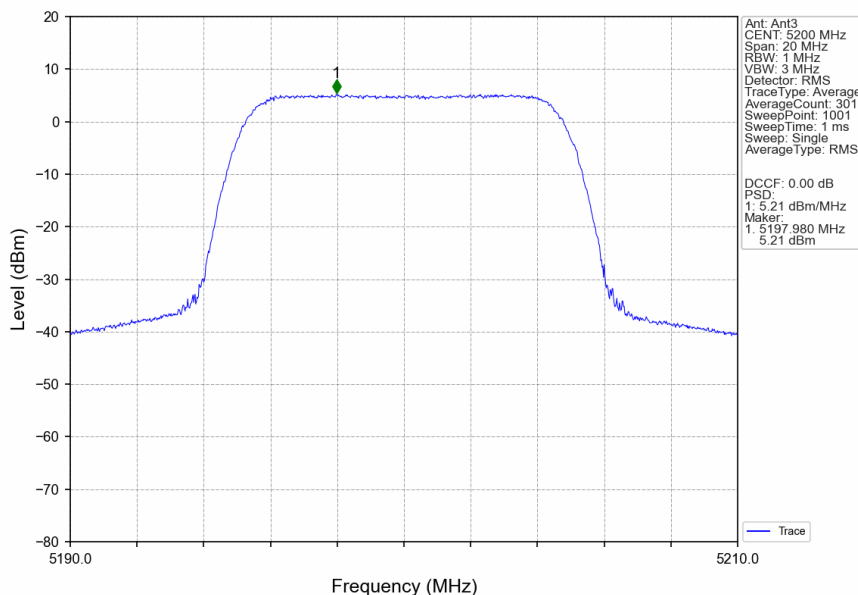
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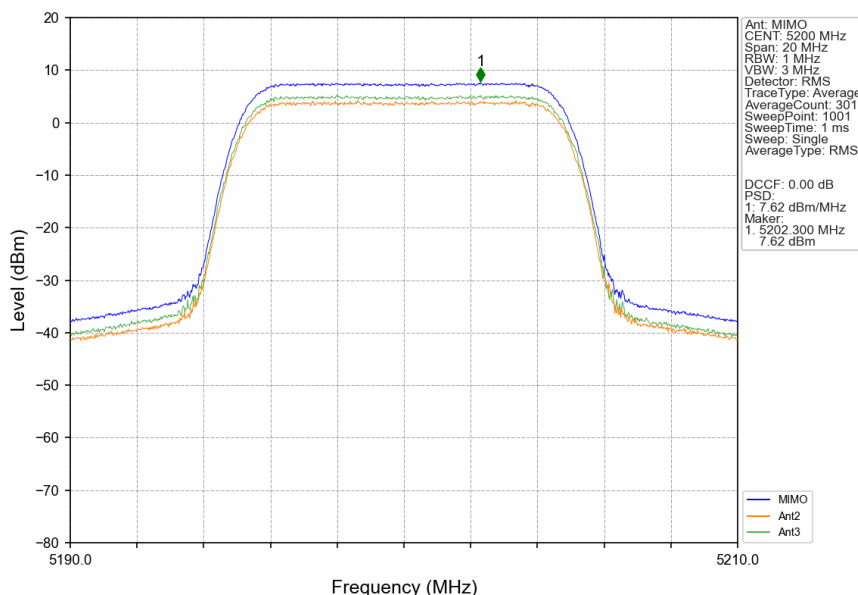
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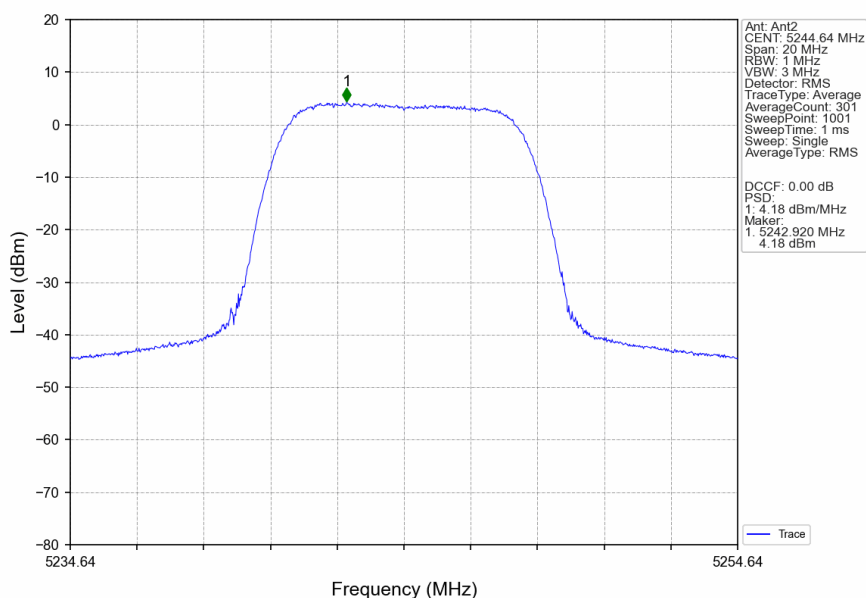
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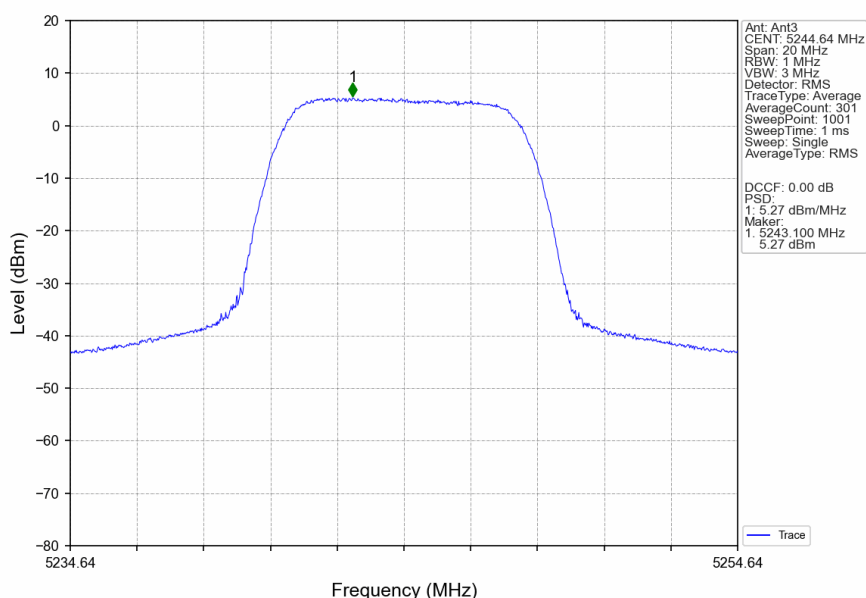
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5G 10M B1_HCH_5244.64MHz_Ant2_NTNV



5G 10M B1_HCH_5244.64MHz_Ant3_NTNV



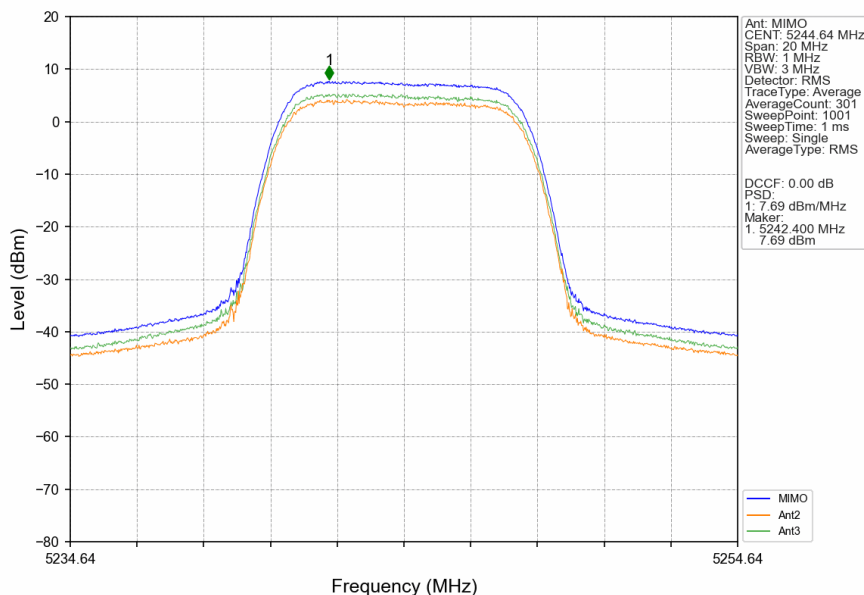
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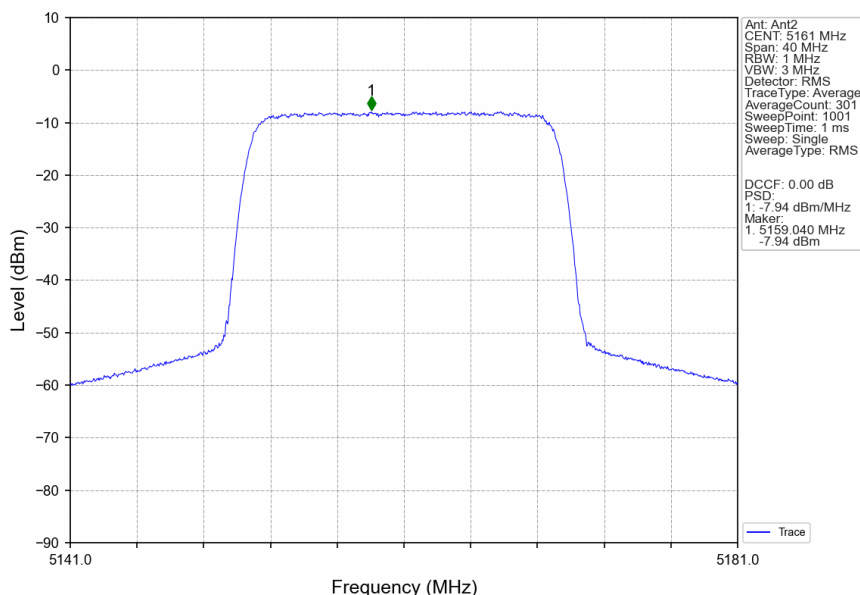
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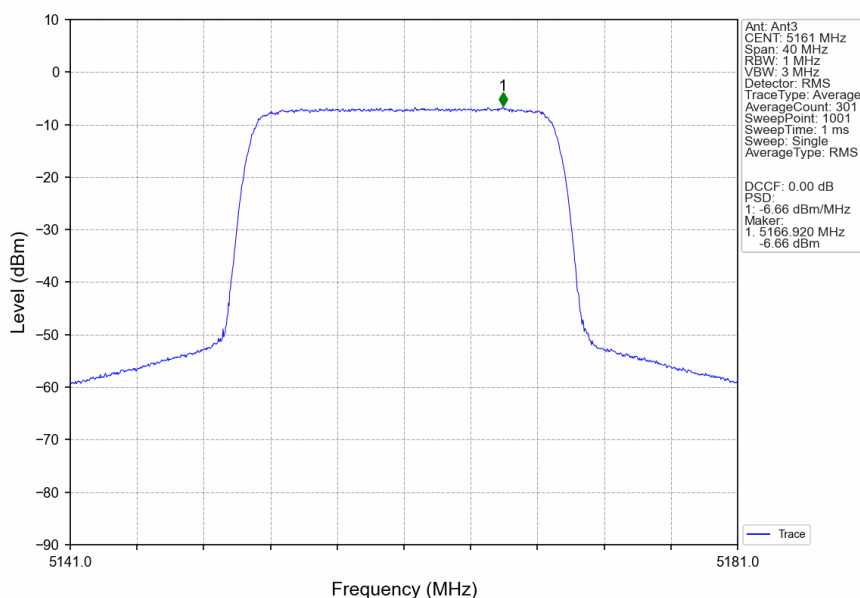
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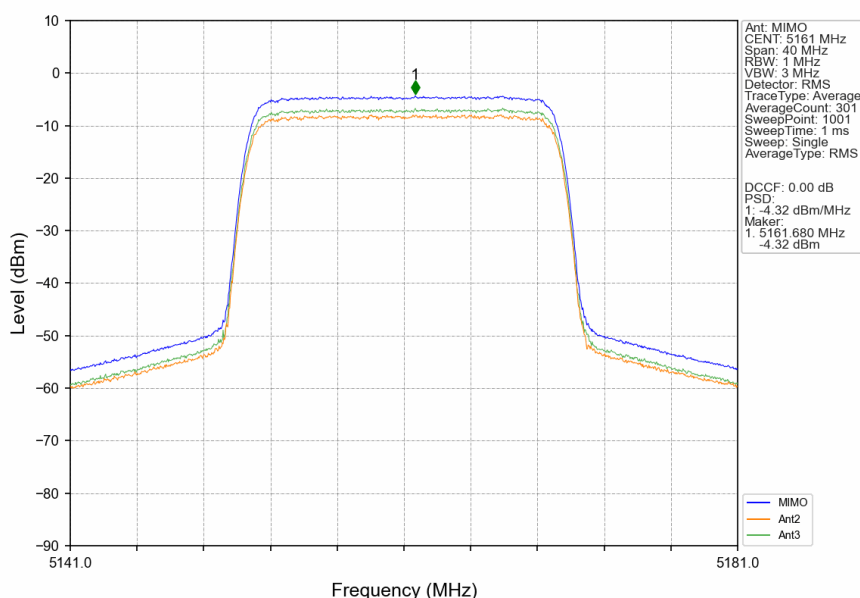
5G 20M B1_LCH_5161MHz_Ant2_NTNV



5G 20M B1_LCH_5161MHz_Ant3_NTNV



5G 20M B1_LCH_5161MHz_MIMO_NTNV



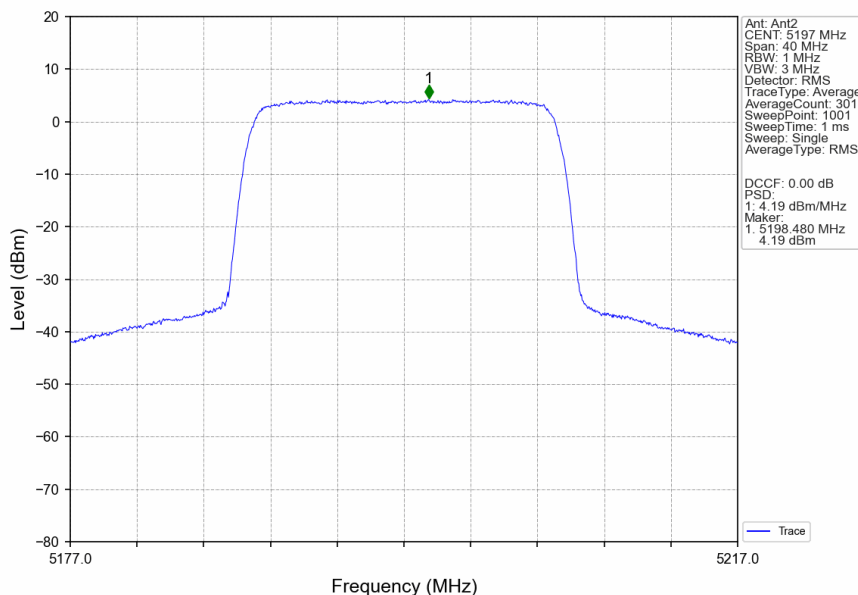
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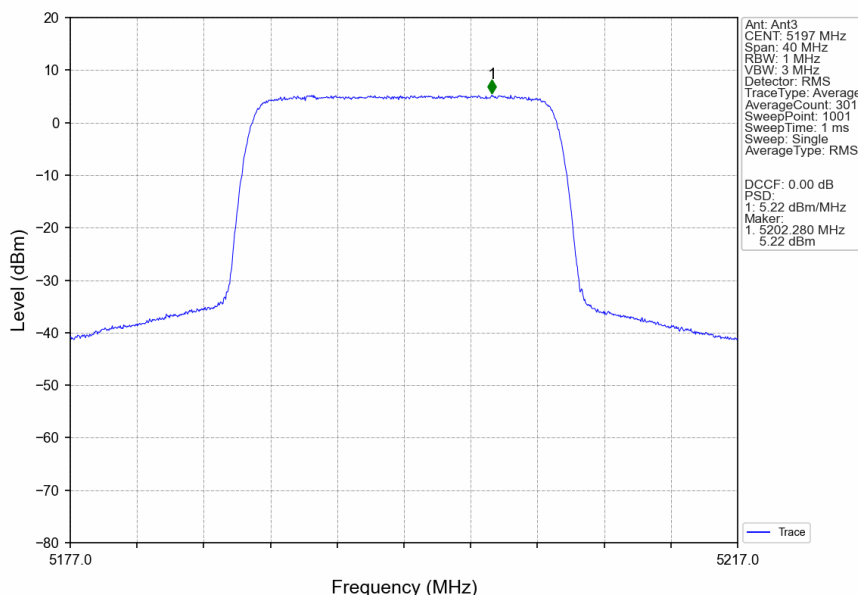
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5G 20M B1_MCH_5197MHz_Ant2_NTNV



5G 20M B1_MCH_5197MHz_Ant3_NTNV



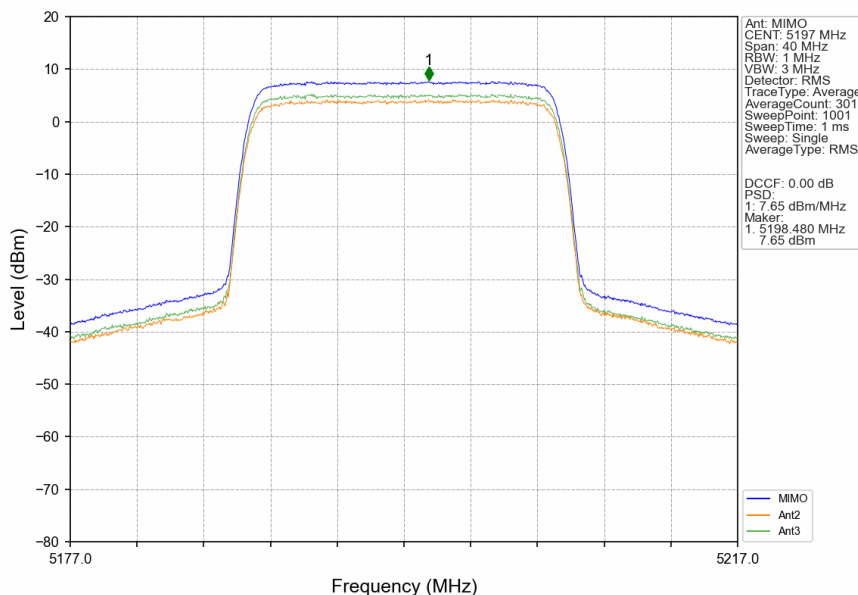
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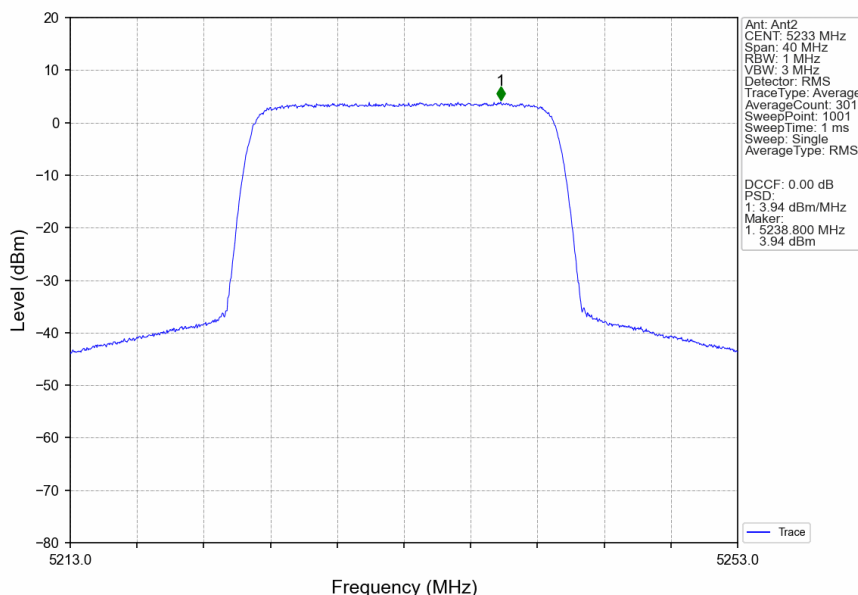
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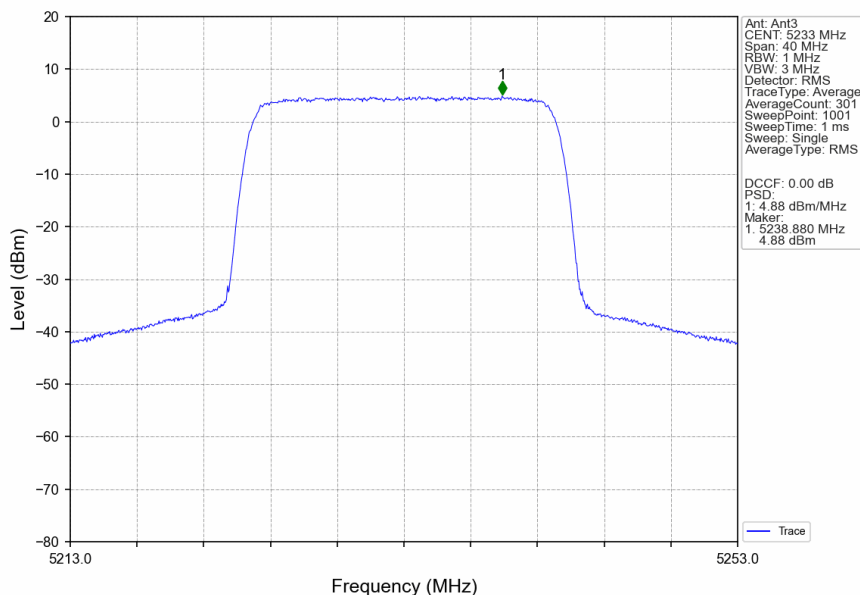
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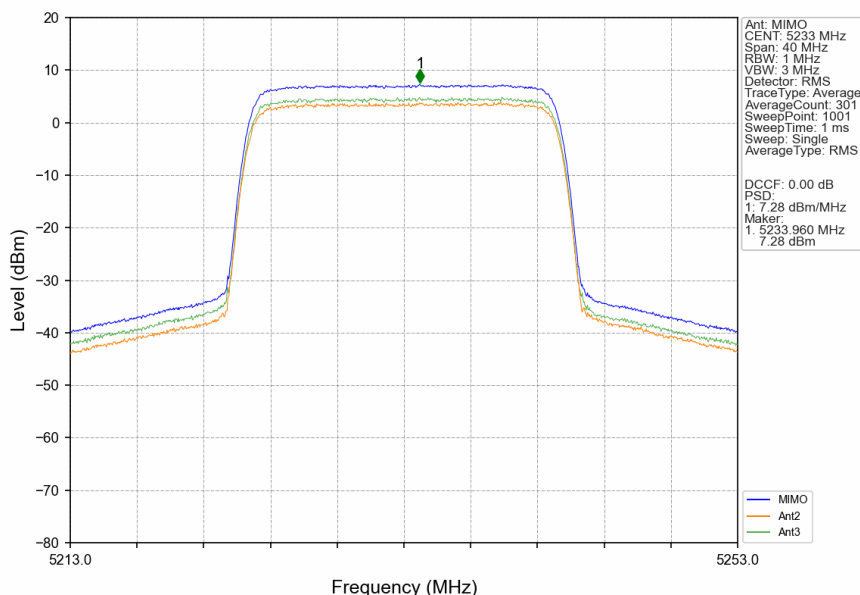
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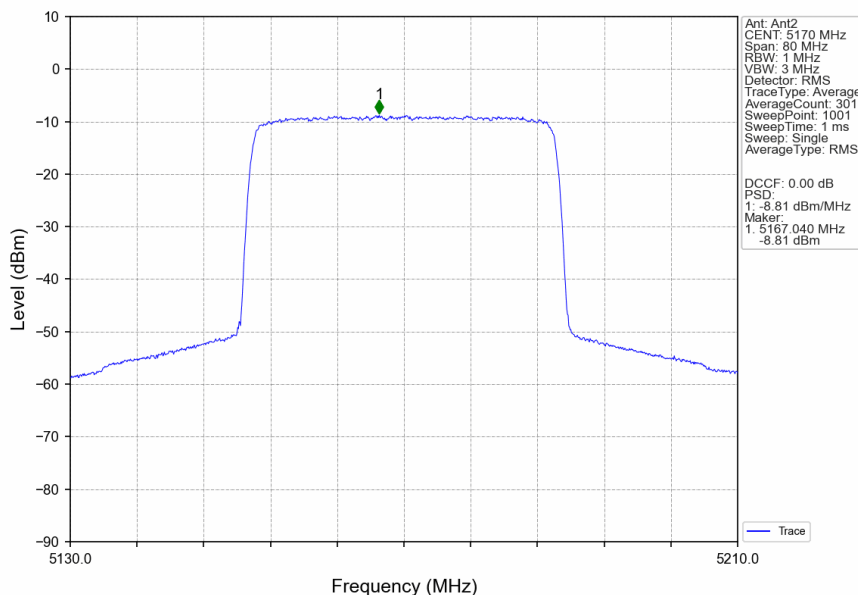
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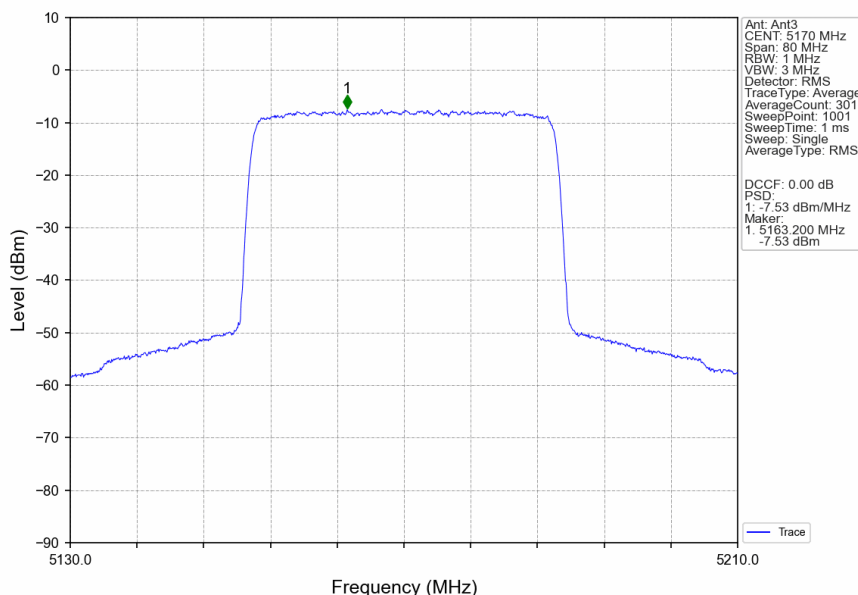
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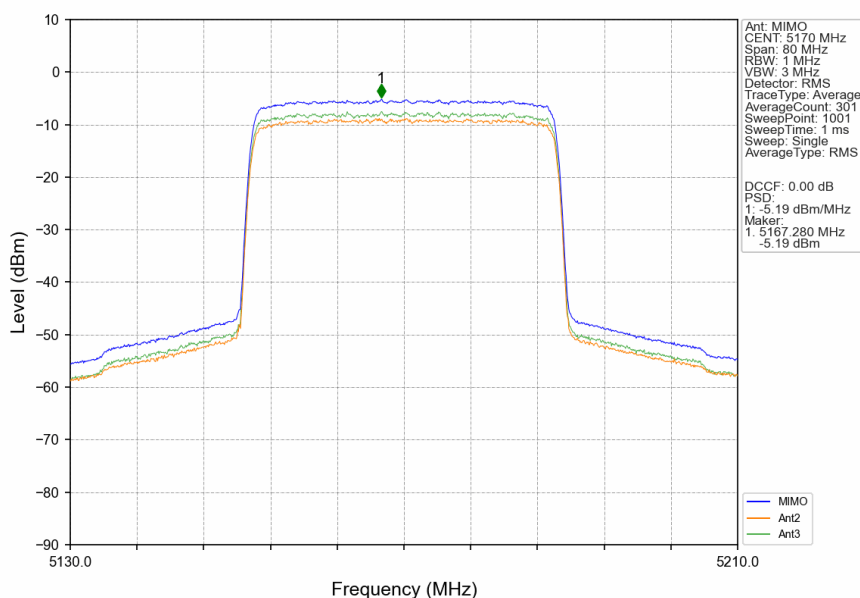
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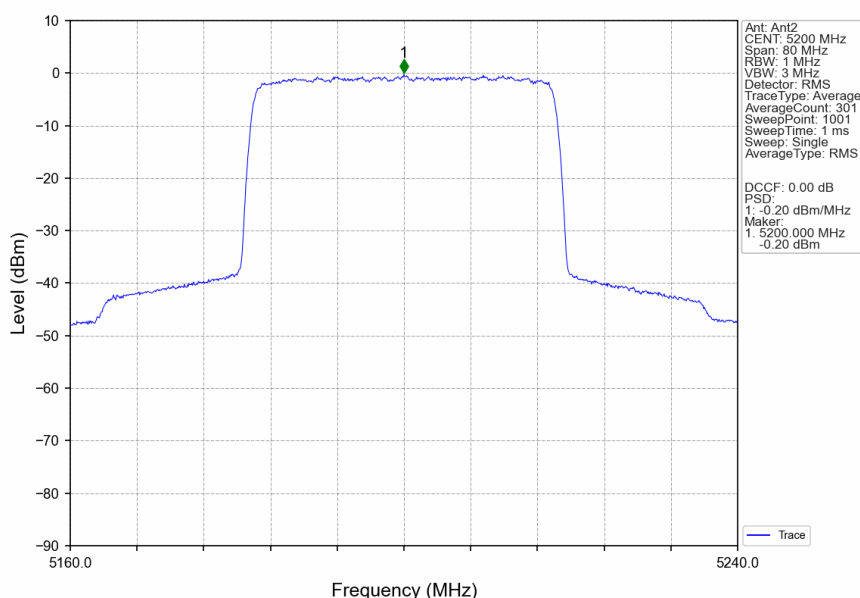
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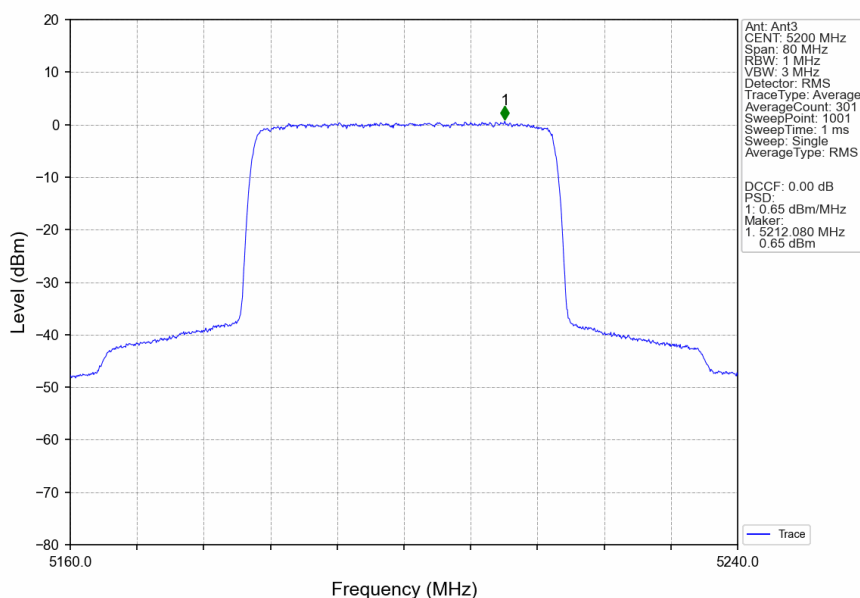
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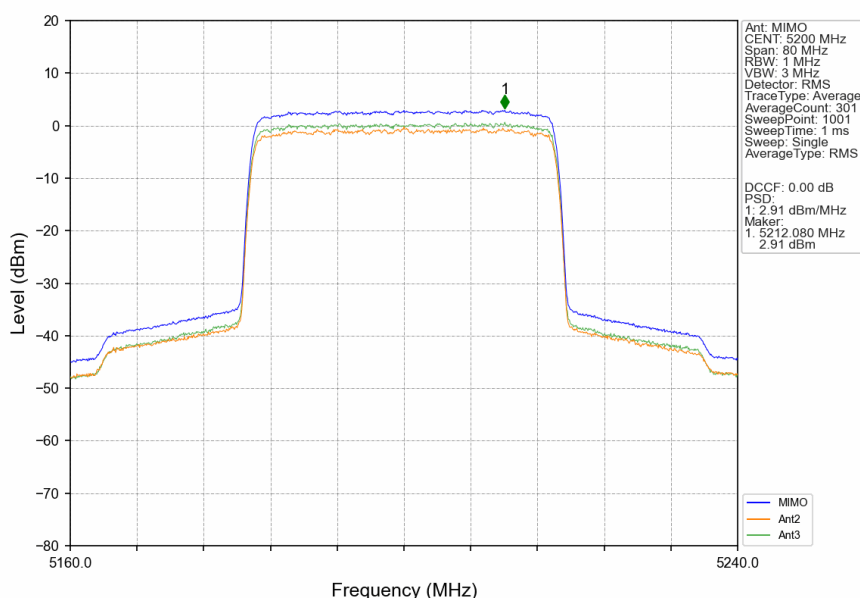
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5G 40M B1_MCH_5200MHz_Ant3_NTNV



5G 40M B1_MCH_5200MHz_MIMO_NTNV



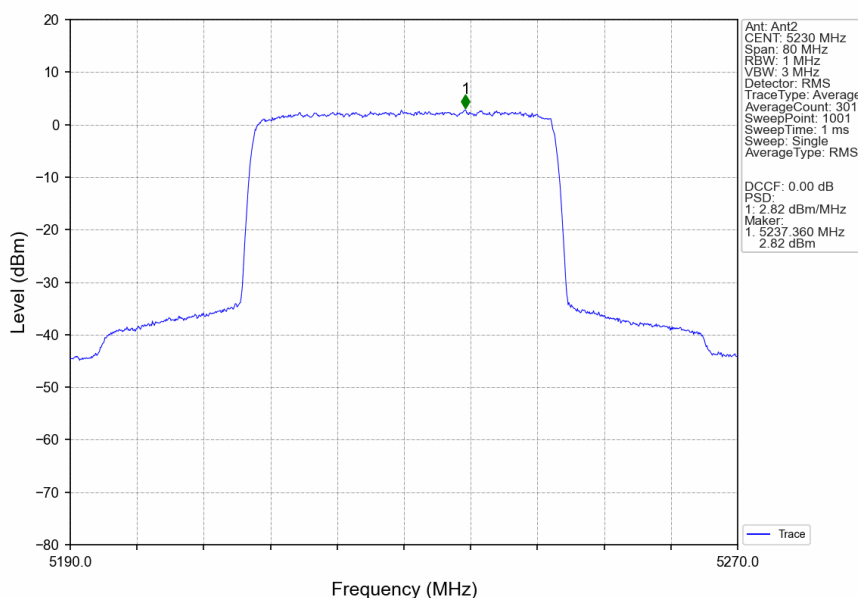
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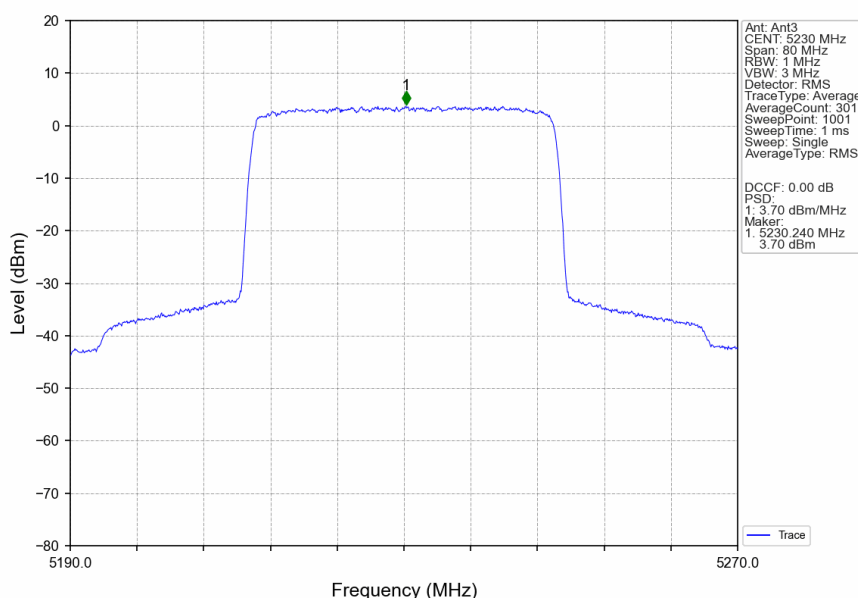
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5G 40M B1_HCH_5230MHz_Ant2_NTNV



5G 40M B1_HCH_5230MHz_Ant3_NTNV



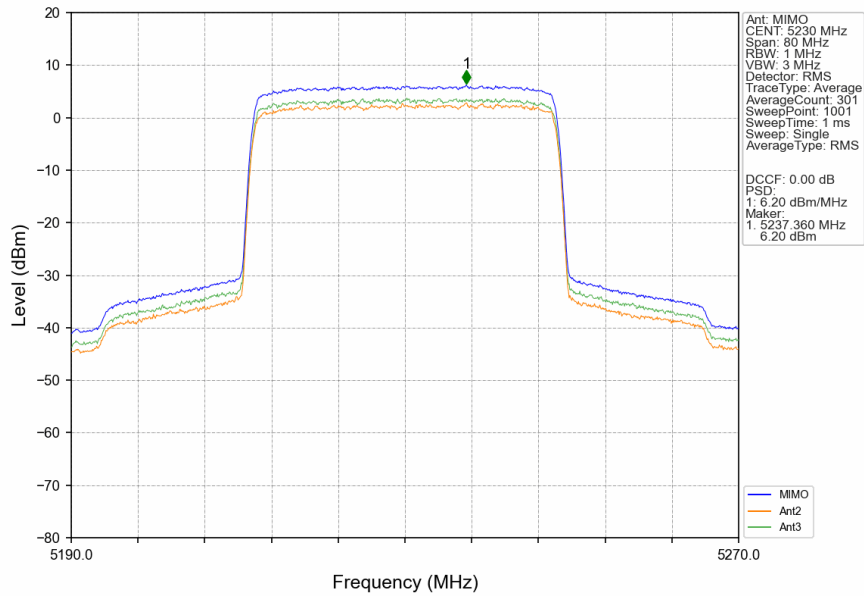
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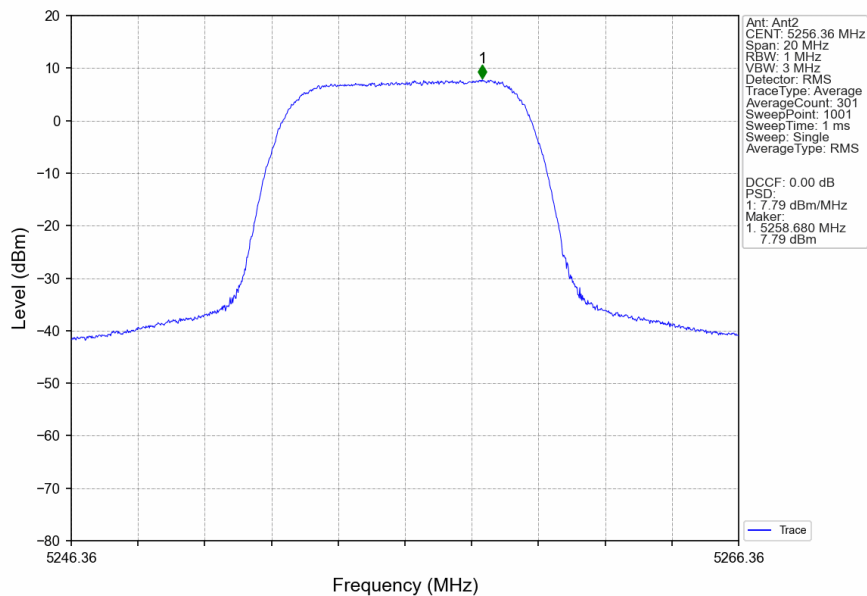
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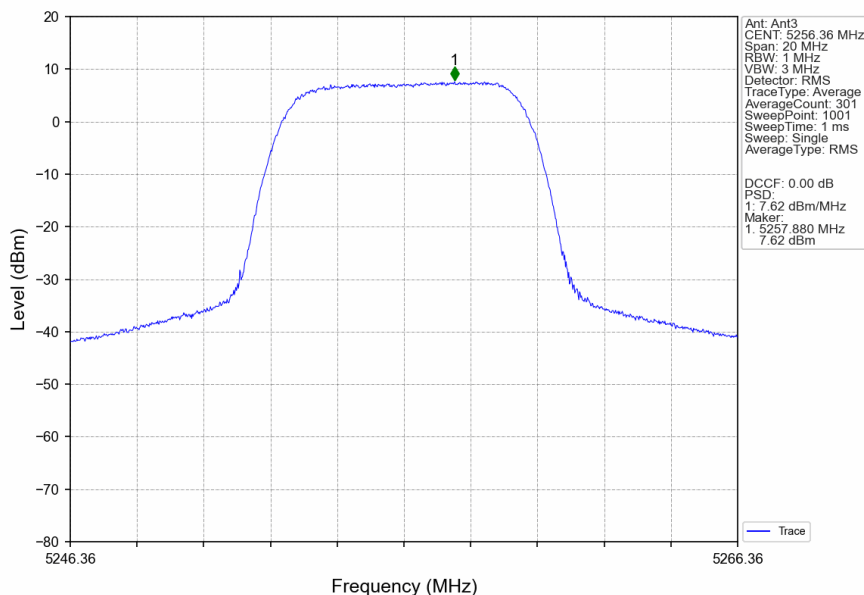
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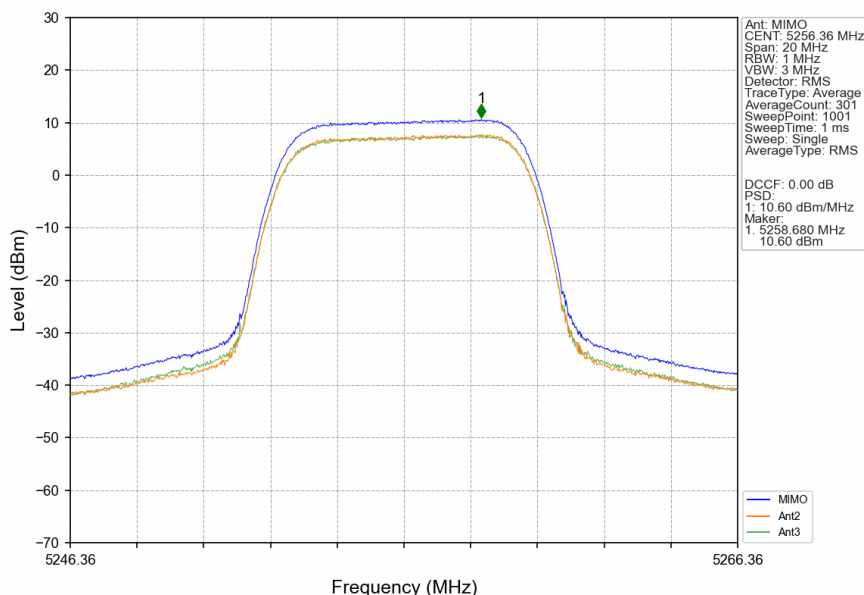
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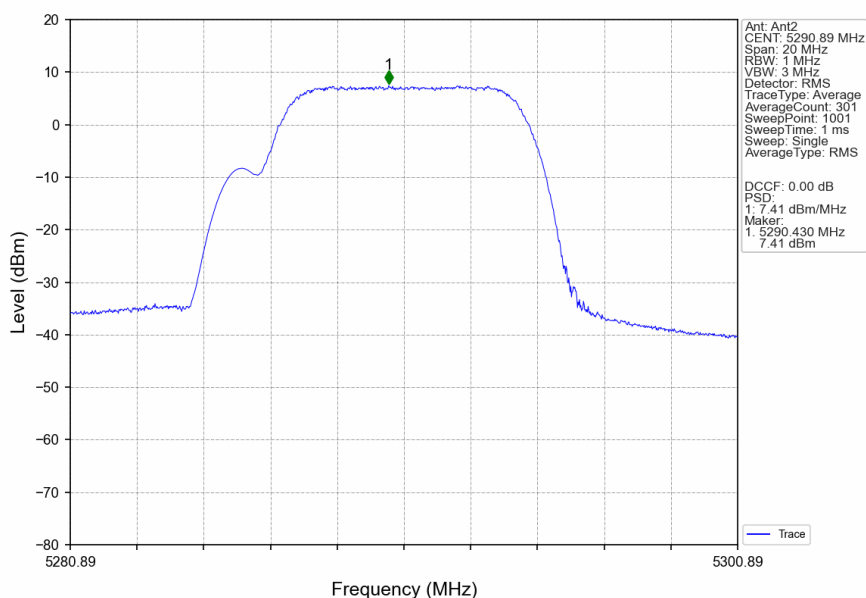
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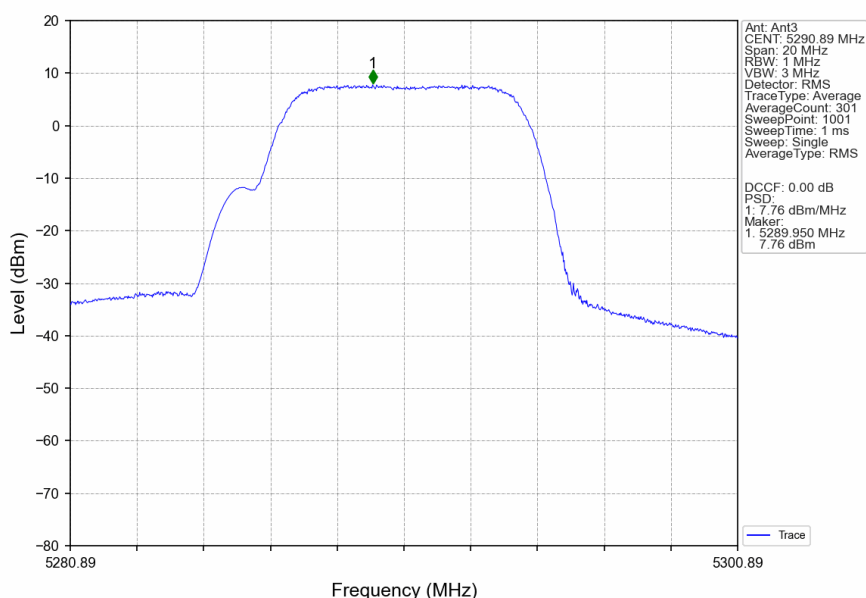
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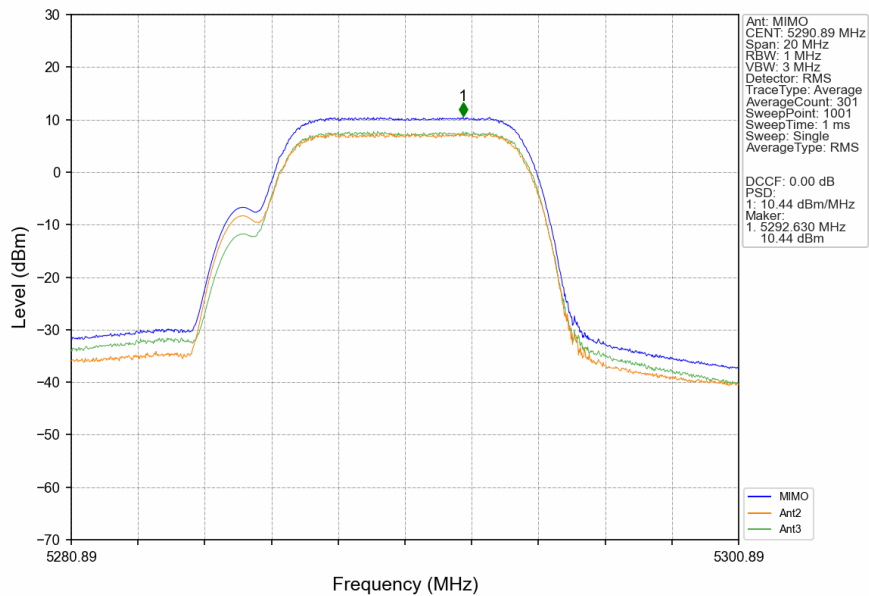
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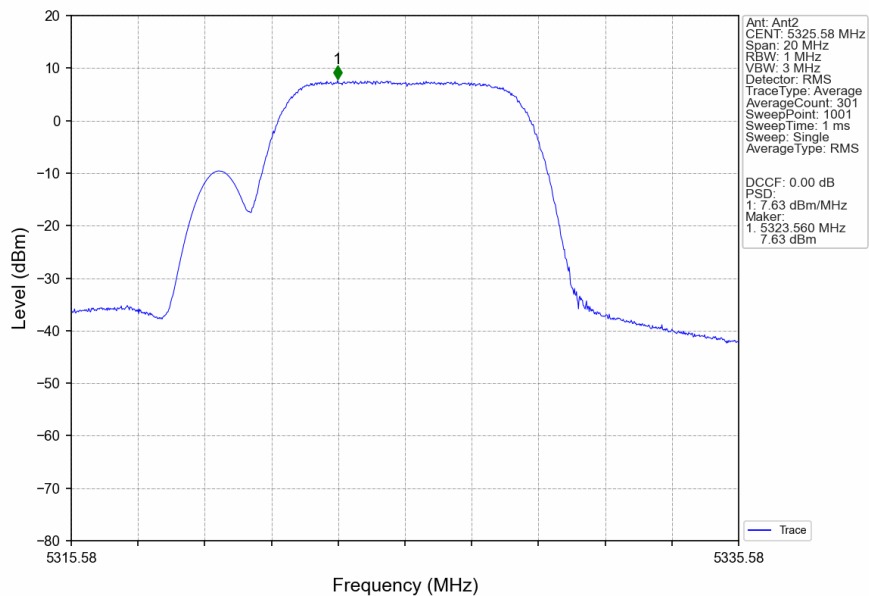
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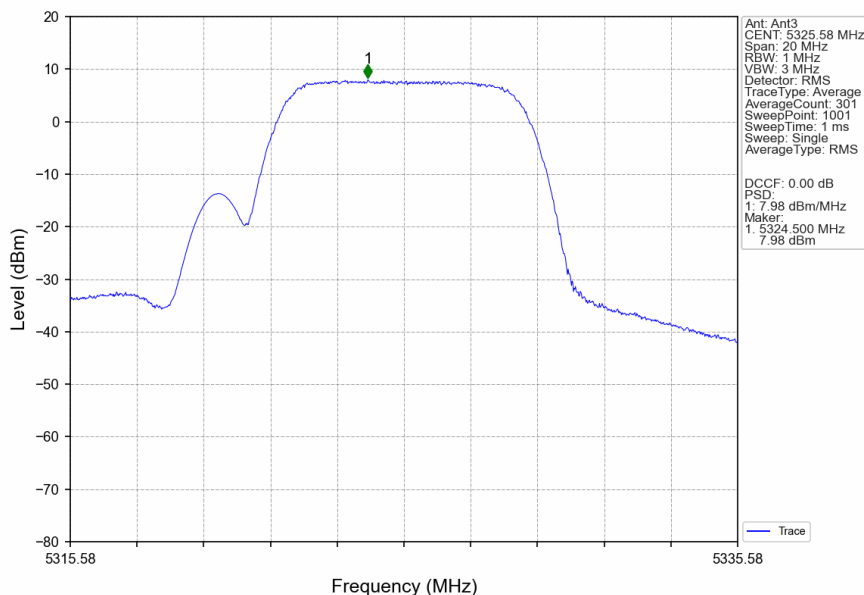
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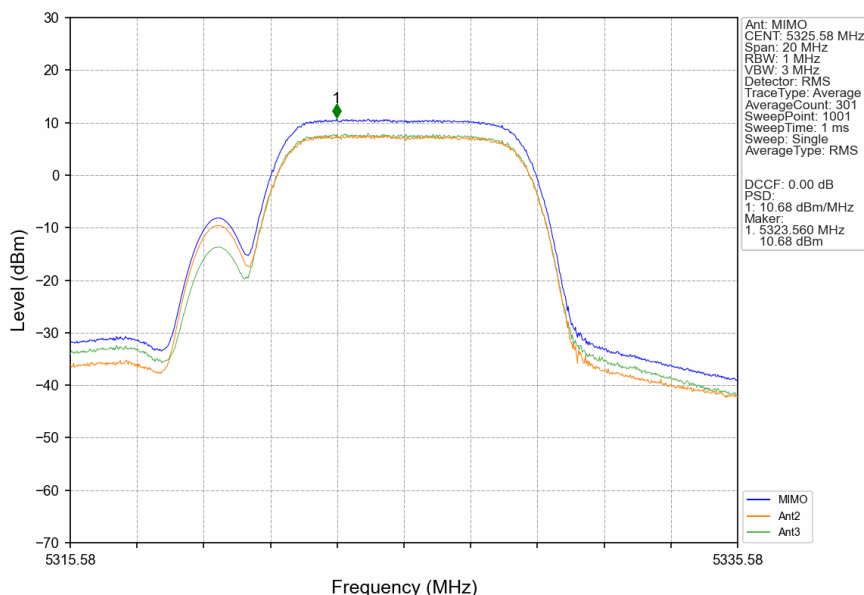
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5G 10M B2A_HCH_5325.58MHz_Ant3_NTNV



5G 10M B2A_HCH_5325.58MHz_MIMO_NTNV



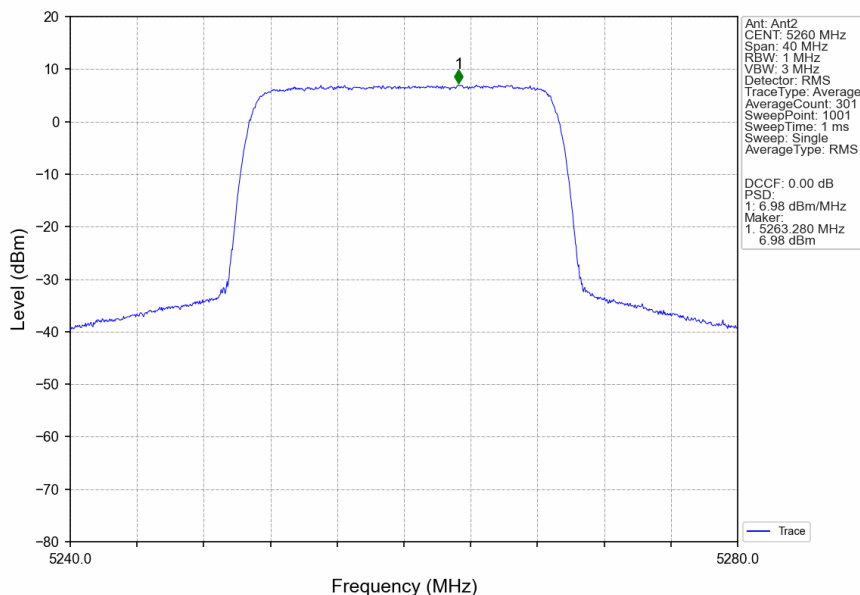
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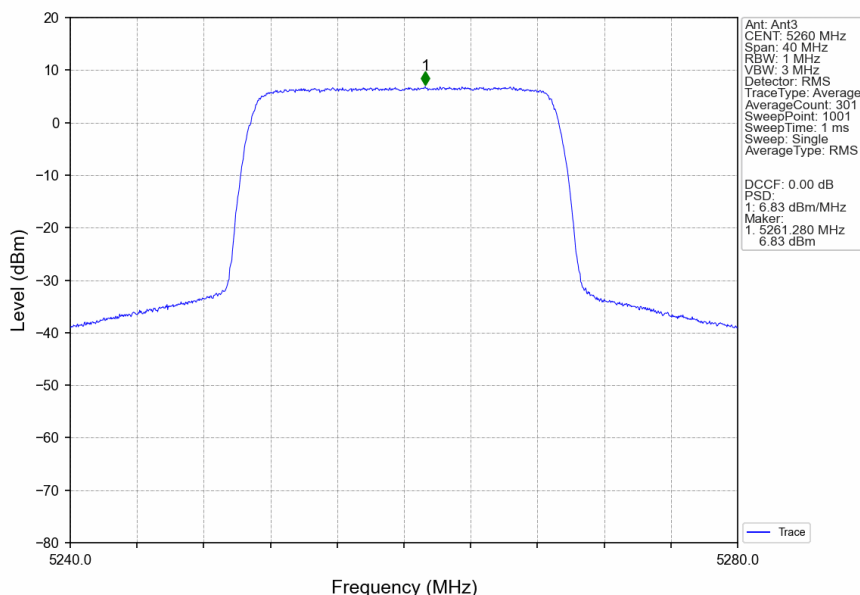
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5G 20M B2A_LCH_5260MHz_Ant2_NTNV



5G 20M B2A_LCH_5260MHz_Ant3_NTNV



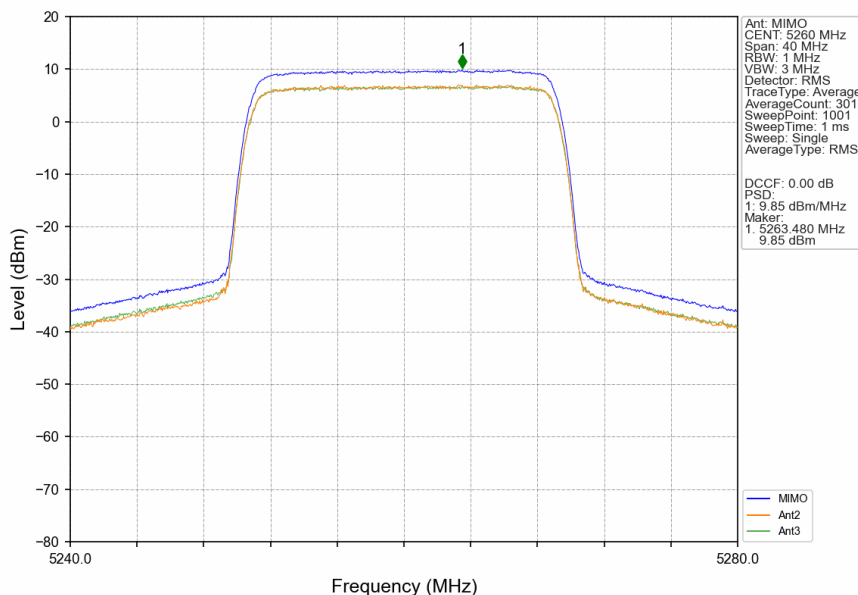
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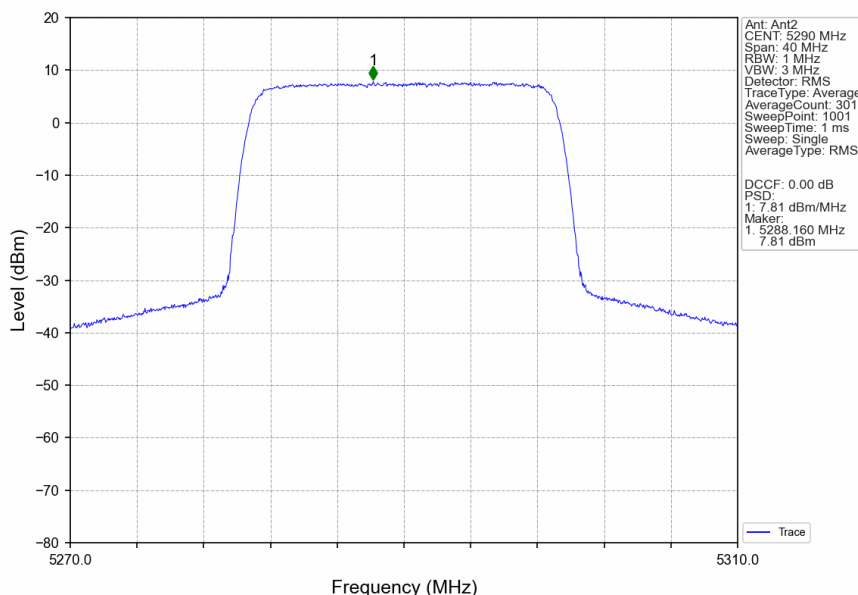
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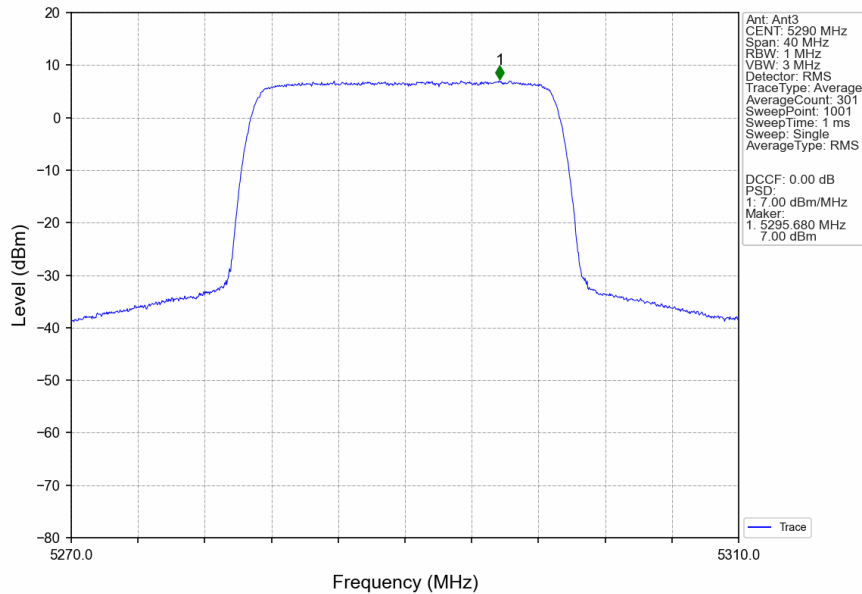
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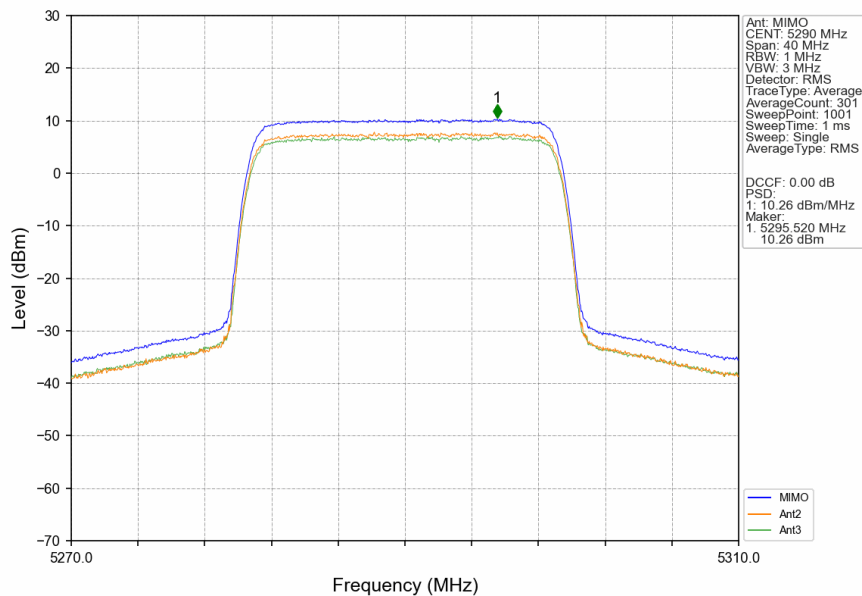
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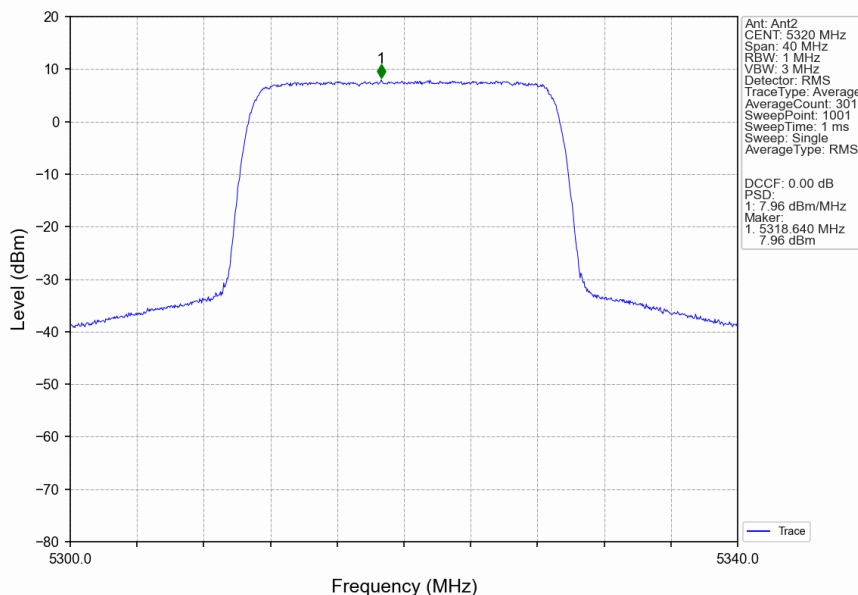
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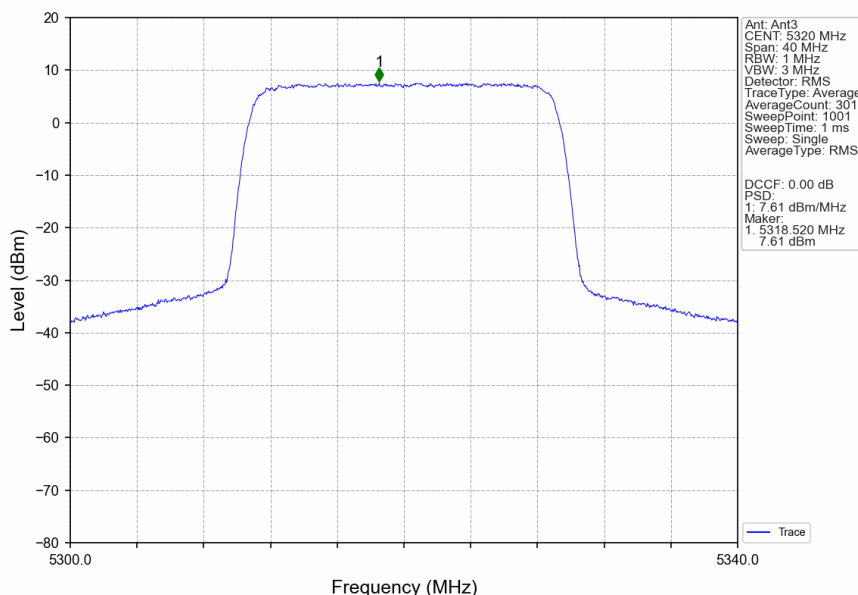
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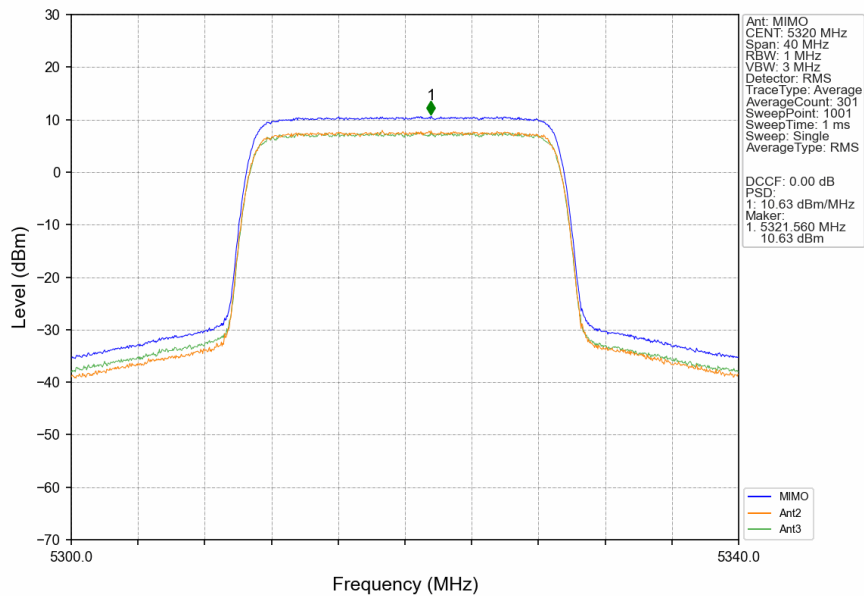
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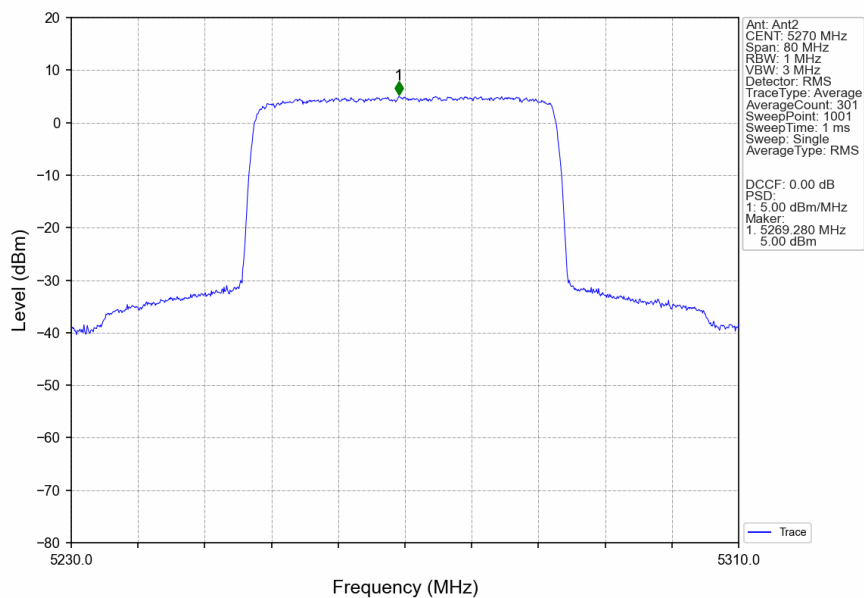
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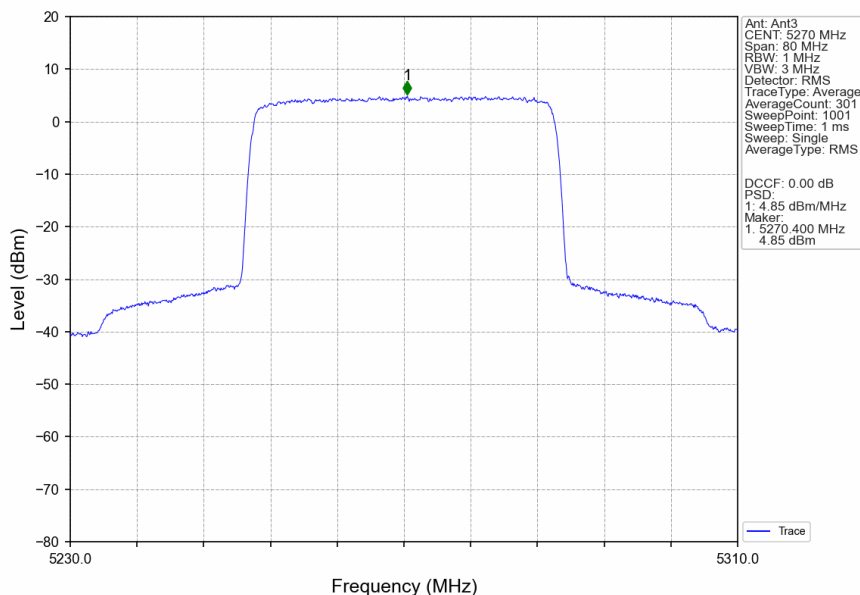
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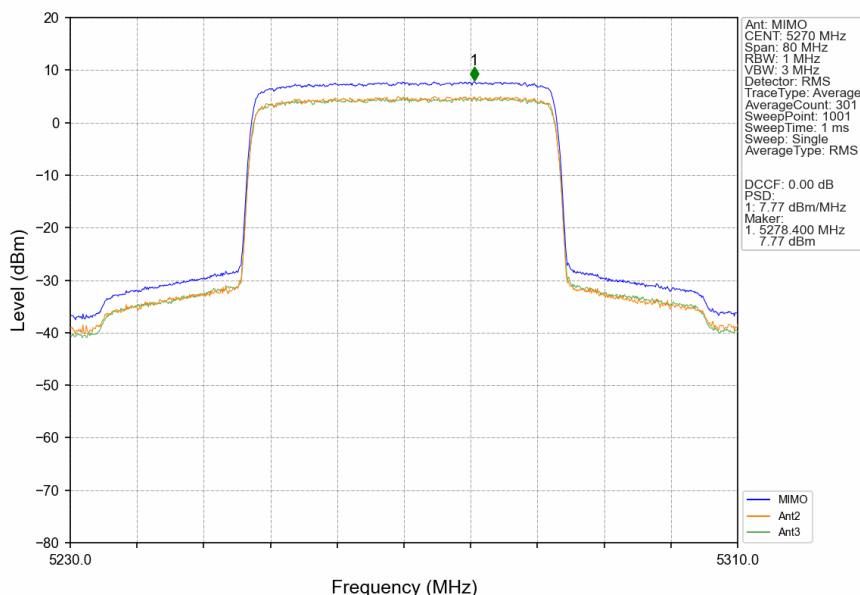
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5G 40M B2A_LCH_5270MHz_Ant3_NTNV



5G 40M B2A_LCH_5270MHz_MIMO_NTNV



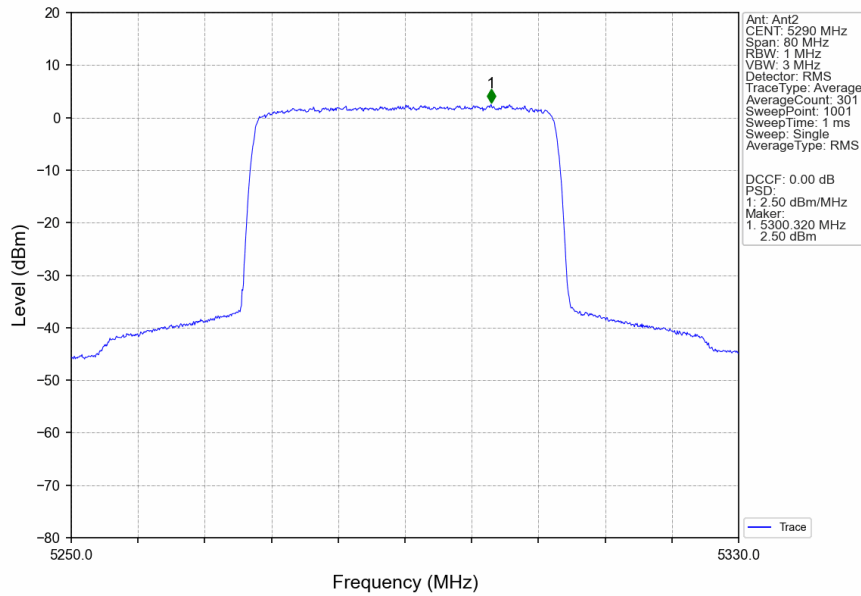
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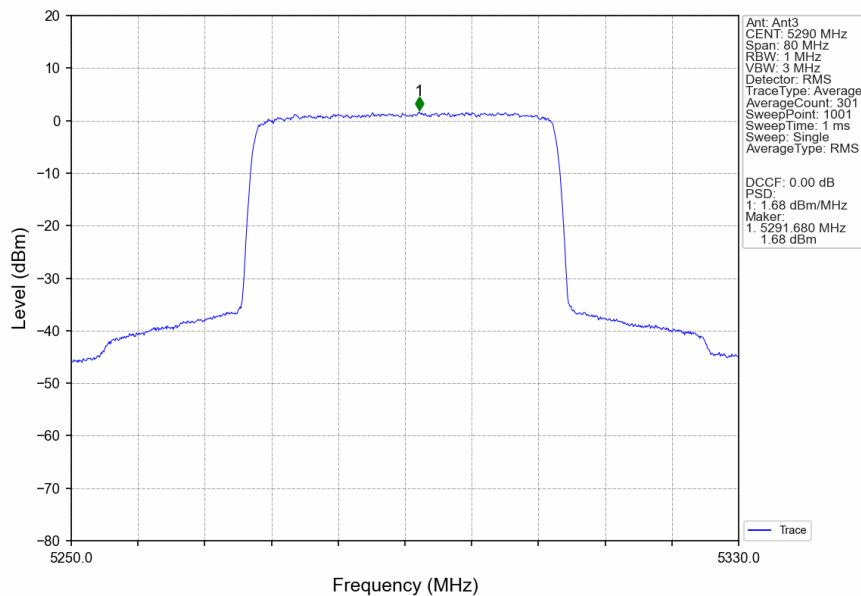
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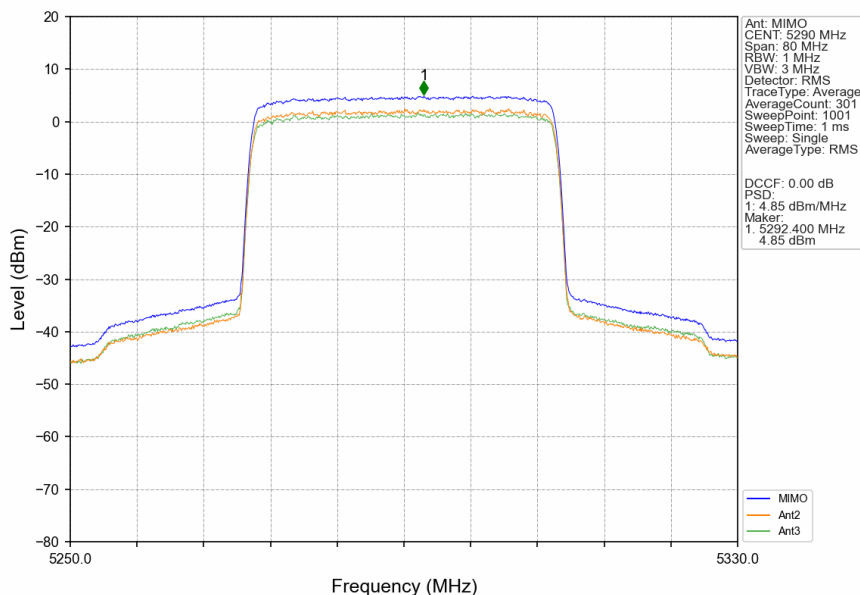
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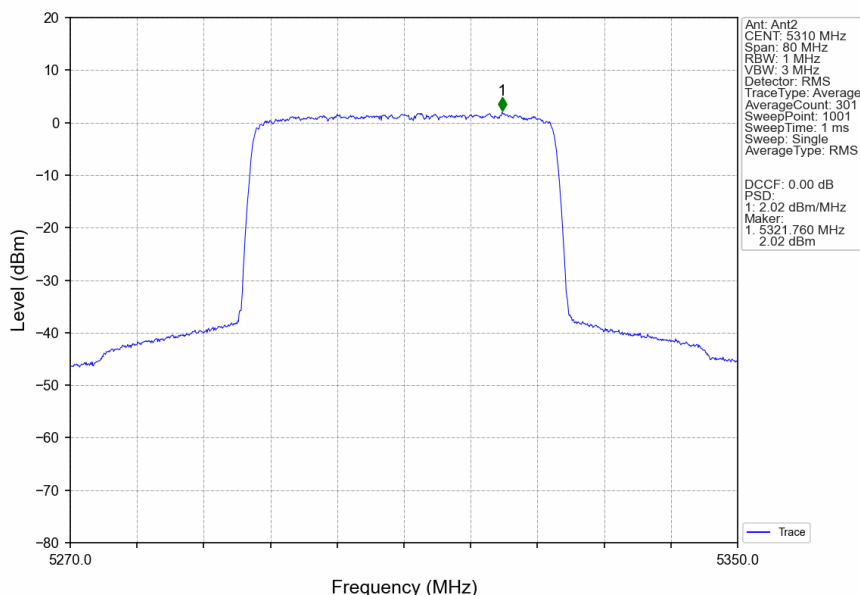
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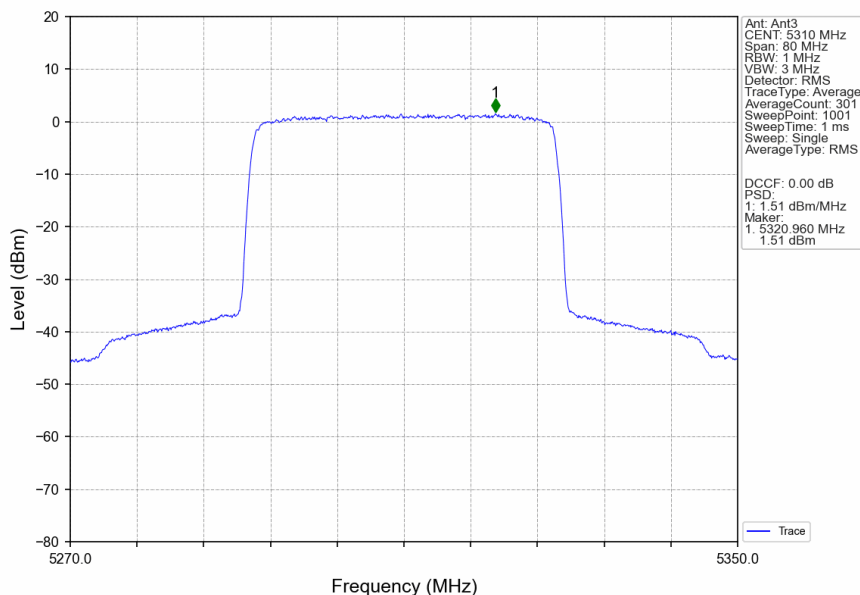
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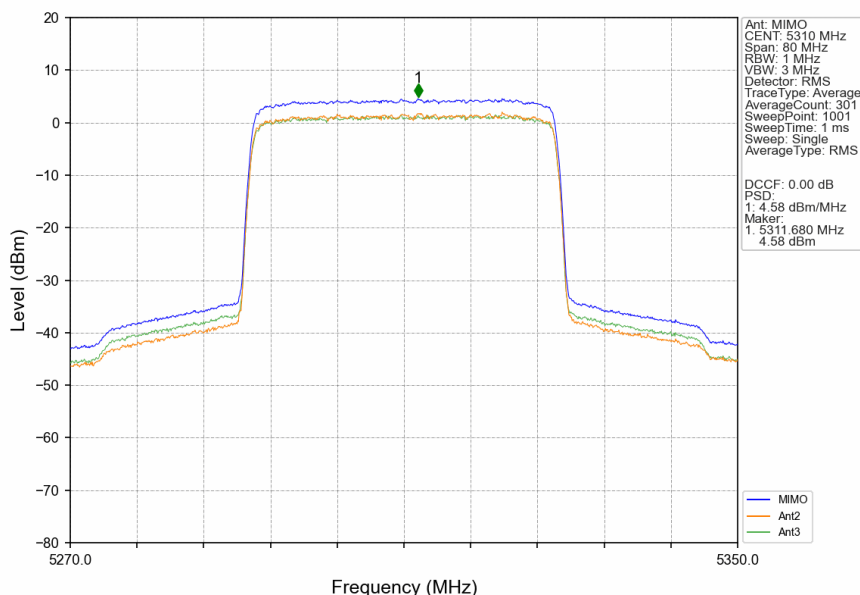
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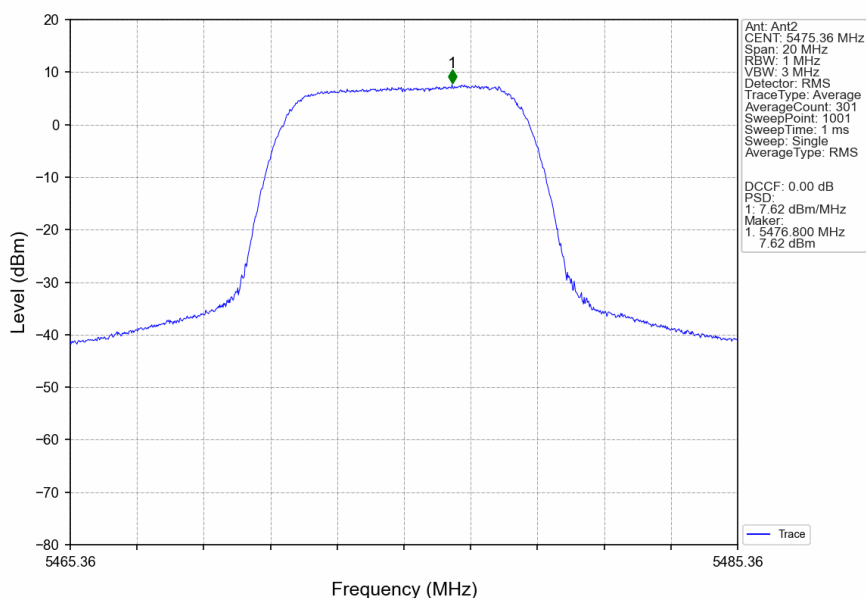
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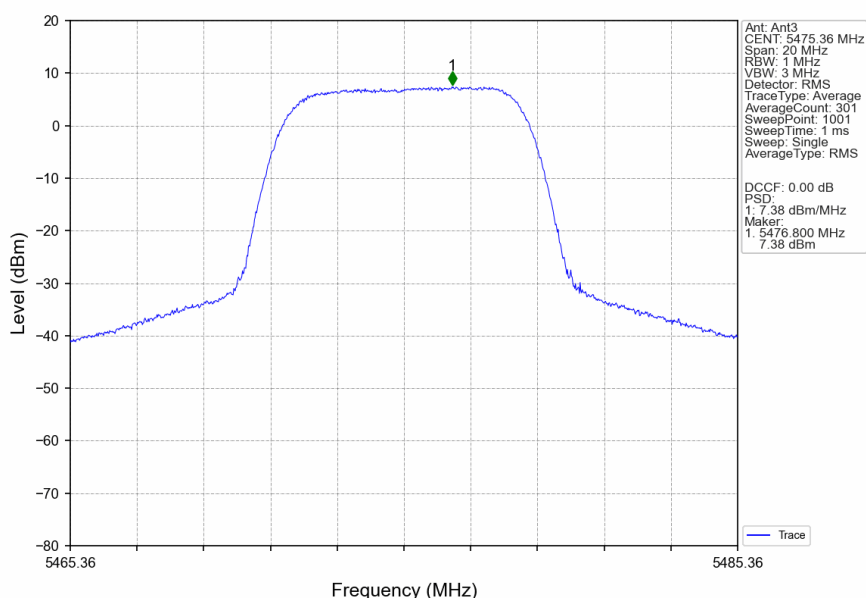
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5G 10M B2C_LCH_5475.36MHz_Ant2_NTNV



5G 10M B2C_LCH_5475.36MHz_Ant3_NTNV



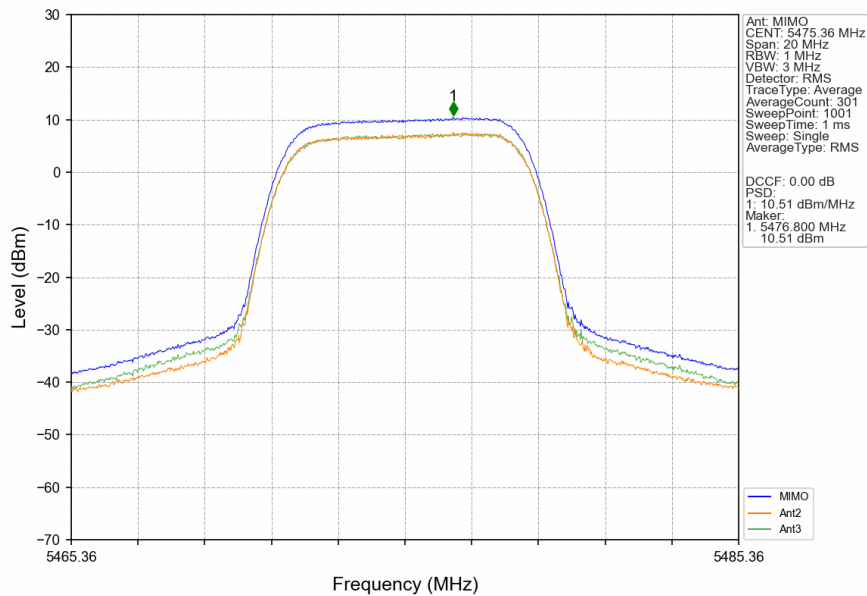
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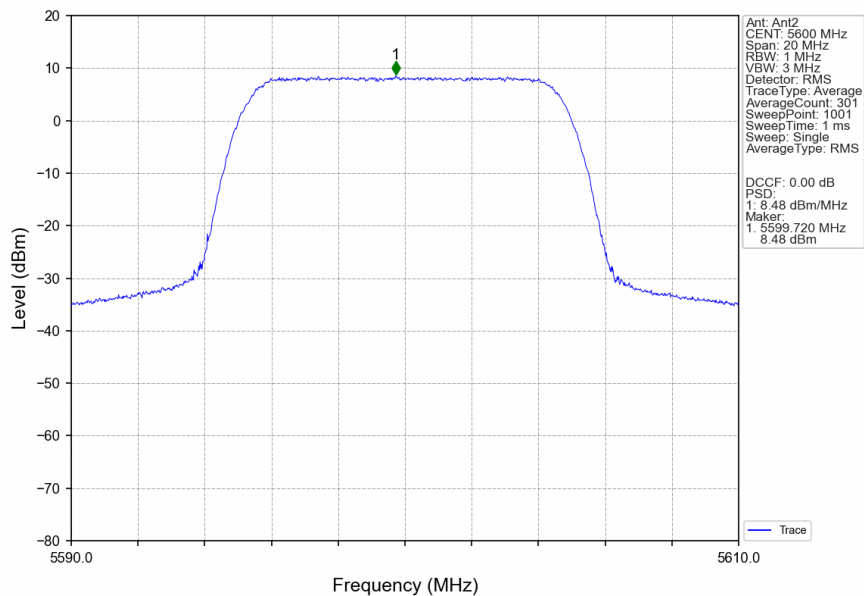
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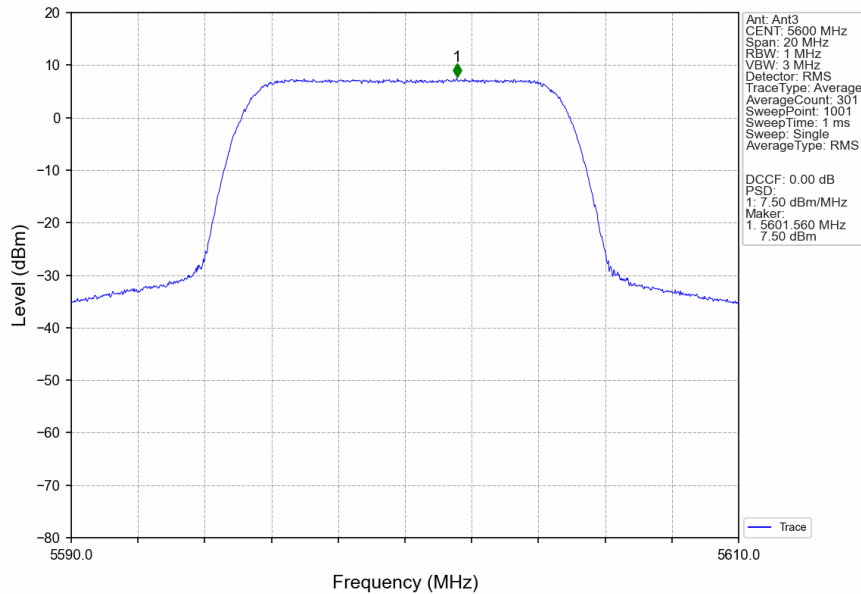
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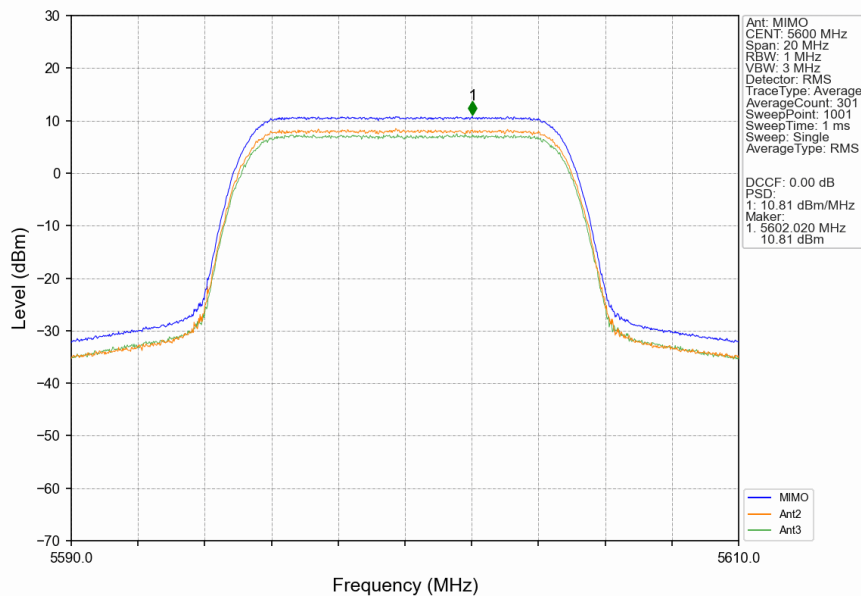
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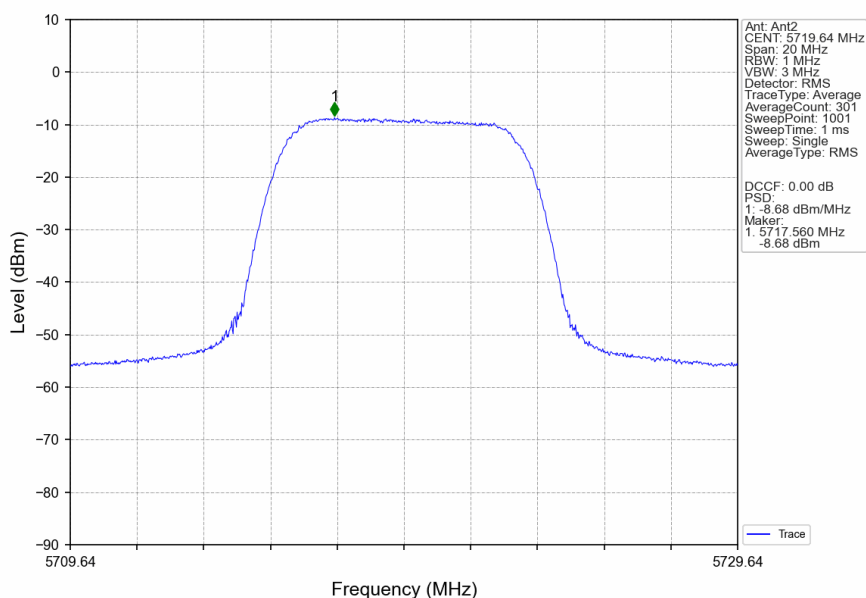
5G 10M B2C_MCH_5600MHz_Ant3_NTNV



5G 10M B2C_MCH_5600MHz_MIMO_NTNV



5G 10M B2C_HCH_5719.64MHz_Ant2_NTNV



5G 10M B2C_HCH_5719.64MHz_Ant3_NTNV

