TESTING LABORATORY
CERTIFICATE #4820.01

FCC PART 15.247

RSS-GEN, ISSUE 5, APRIL 2018

RSS-247, ISSUE 2, FEBRUARY 2017

TEST REPORT

For

SZ DJI TECHNOLOGY CO., LTD

14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan, Shenzhen, Guangdong, China

FCC ID: SS3-M200V21811
IC: 11805A-M200V21811

Report Type:	**Product Type:**
Original Report	Remote Aircraft

Report Number:	RDG181113002-00B
Report Date:	2018-11-29
Reviewed By:	Jerry Zhang EMC Manager
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Type:	Remote Aircraft
EUT Name:	Matrice 210 RTK V2, Matrice 200 V2, Matrice 210 V2
EUT Model:	M210 RTK V2, M200 V2, M210 V2
FCC ID:	SS3-M200V21811
IC:	11805A-M200V21811
Rated Input Voltage:	22.8Vdc from Battery
External Dimension:	887mm(L)*880mm(W)*378mm(H)
Serial Number:	181113002-1(model:M210 RTK V2) 181113002-2(model:M200 V2) 181113002-3(model:M210 V2)
EUT Received Date:	2018.11.13

Note: The series product, Matrice 200 V2(Model: M200 V2), Matrice 210 V2(Model: M210 V2) are electrically identical with Matrice 210 RTK V2(Model: M210 RTK V2), for our marketing purpose, we selected all of them for Radiated Emissions testing. The difference between them was explained in the declaration letter.

Objective

This report is prepared on behalf of ***SZ DJI TECHNOLOGY CO., LTD*** in accordance with Part 2, Subpart J, Part 15, Subparts A, and C of the Federal Communications Commission's rules and RSS-247, Issue 2, February 2017, RSS-Gen Issue 5, April 2018 of the Innovation, Science and Economic Development Canada.

The tests were performed in order to determine the compliance of the EUT with FCC Rules Part 15-Subpart C, section 15.203, 15.205, 15.209, 15.247 rules and RSS-247, Issue 2, February 2017, RSS-Gen Issue 5, April 2018 of the Innovation, Science and Economic Development Canada.

Related Submittal(s)/Grant(s)

FCC Part 15E NII and Part 15B JBP submissions with FCC ID: SS3-M200V21811.
RSS-247 LE-LAN submissions with IC:11805A-M200V21811.
Part of system submissions with FCC ID: SS3-GL900A1811, IC: 11805A-GL900A1811.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and KDB 558074 D01 15.247 Meas Guidance v05, and RSS-247, Issue 2, February 2017, RSS-Gen Issue 5, April 2018 of the Innovation, Science and Economic Development Canada.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB,200M~1GHz: 5.92 dB, 1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB, 18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier : CN0022.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

The device employes 1.4MHz ,10MHz and 20MHz modes, and the EUT has 2 antennas, the system configure 1T1R depending on better performance by the system automatically recognizes.

For 1.4MHz modes, 38 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403.5	20	2441.5
2	2405.5	…	…
…	…	…	…
…	…	…	…
…	…	37	2475.5
19	2439.5	38	2477.5

For 10MHz modes, the device employs 73 channels as below:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2405.5	38	2442.5
2	2406.5	…	…
…	…	…	…
…	…	…	…
…	…	73	2477.5
37	2441.5	/	/

For 20MHz modes, the device employs 63 channels as below:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2410.5	33	2442.5
2	2411.5	…	…
…	…	…	…
…	…	…	…
…	…	63	2472.5
32	2441.5	/	/

Equipment Modifications

No modification was made to the EUT tested.

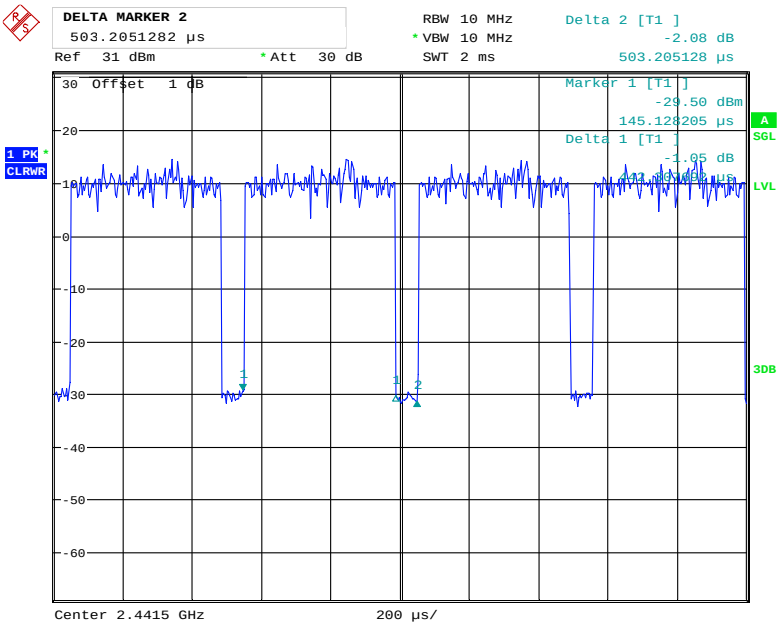
EUT Exercise Software

The software “DjiSdrConsole_V1.3.1.50.exe” was used for testing, which was provided by manufacturer. The maximum power with maximum duty cycle was configured as default setting, Per pretest the conducted output power, 10MHz, 20MHz mode’s power in difference power level, all test items performed at Low, Middle and High Channel, radiation bandedge test and output power were tested with additional channels according to the pretest output power test results.

The maximum duty cycle as following table:

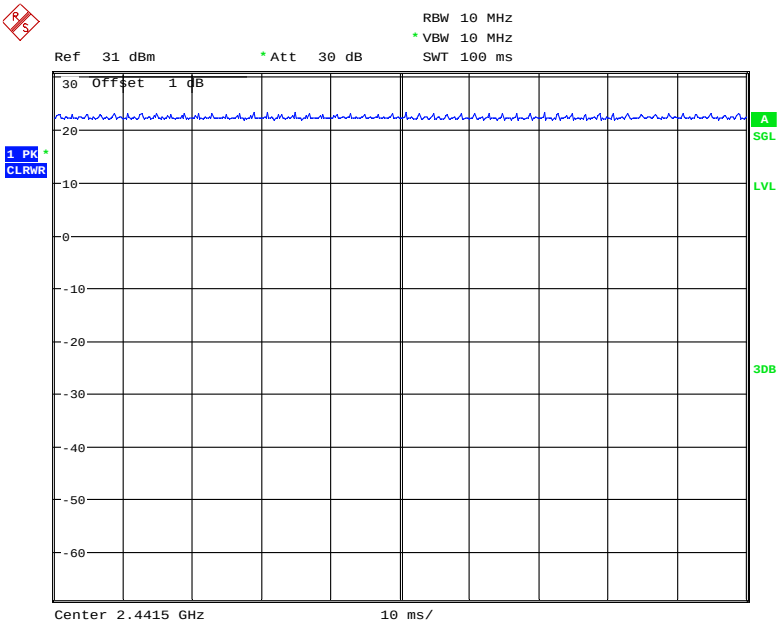
Test mode	T_{on} (ms)	T_{on+off} (ms)	Duty Cycle (%)
1.4MHz	0.442	0.503	87.87
10MHz	100	100	100
20MHz	100	100	100

1.4MHz



Date: 22.NOV.2018 09:47:03

10MHz



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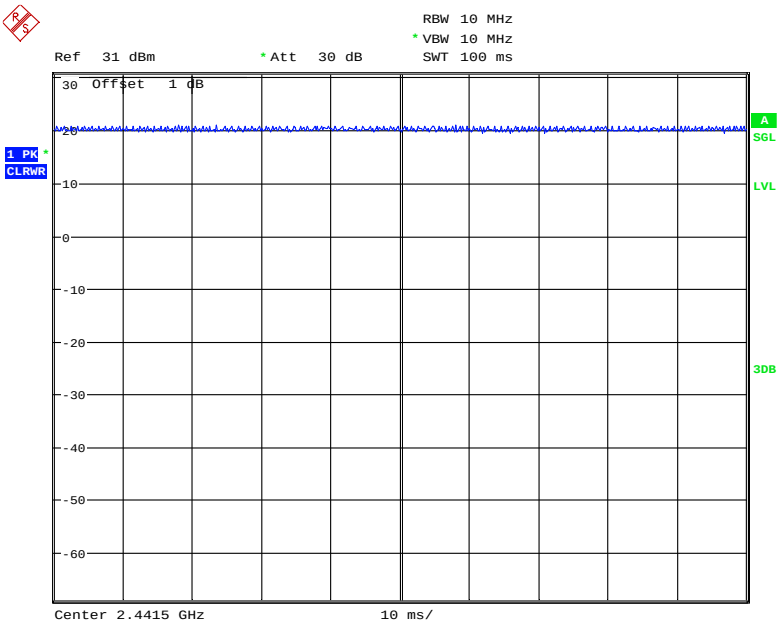
20MHz



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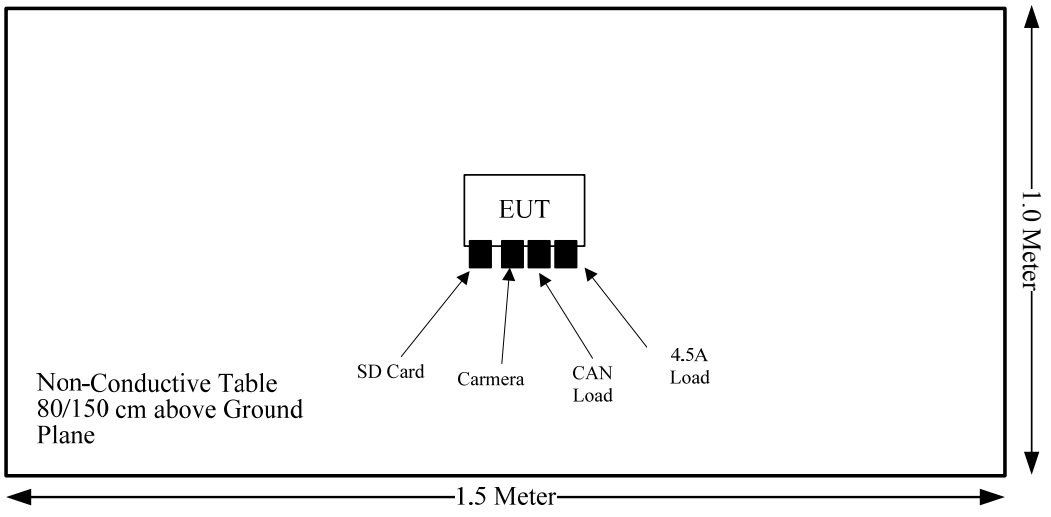
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DJI	CAMERA	Zenmuse X4S	/
DJI	CAMERA	Zenmuse Z30	/
DJI	CAN Load	/	/
DJI	4.8A Load	/	/
SanDisk	SD Card	4GB	/

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
CAN Port Cable	No	No	0.5	CAN port of EUT	CAN Load
Data Cable	yes	No	0.2	EUT	4.8A Load

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

Rules	Description of Test	Result
FCC §15.247 (i) & §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliance
RSS-102 §2.5.2	Exemption Limits For Routine Evaluation-RF Exposure Evaluation	Compliance
FCC§15.203, RSS-Gen Clause 6.8	Antenna Requirement	Compliance
FCC§15.207 (a), RSS-Gen Clause 8.8	AC Line Conducted Emissions	Not Applicable
FCC§15.205, §15.209, FCC §15.247(d), RSS-247 Clause 5.5 RSS-Gen Clause 8.10	Spurious Emissions	Compliance
FCC§15.247 (a)(2), RSS-247 Clause 5.2 a) RSS-Gen Clause 6.7	6 dB Bandwidth and 99% Occupied Bandwidth	Compliance
FCC§15.247(b)(3), RSS-247 Clause 5.4 d)	Maximum Conducted Output Power	Compliance
FCC§15.247(d), RSS-247 Clause5.5	100 kHz Bandwidth of Frequency Band Edge	Compliance
FCC§15.247(e), RSS-247 Clause5.2 b)	Power Spectral Density	Compliance

Not Applicable: this device was powered by battery.

FCC §15.247 (i) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247(i)and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit
$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Frequency Band	**Antenna Gain**		**Max. Target Power including Tolerance**		**Evaluation Distance (cm)**	**Power Density (W/m^2)**	**MPE Limit (W/m^2)**
	(dBi)	**(numeric)**	**(dBm)**	**(mW)**			
2.4GHz Band	2.29	1.69	26.5	446.68	20.00	0.15	1.0
5.8GHz Band	2.51	1.78	21	125.89	20.00	0.045	1.0

Note: the Max. Target Power including Tolerance was declared by manufacturer.
The 2.4GHz band and 5.8GHz band can`t transmit simultaneously

Result: Compliance, The device meets MPE requirement for Devices Used by the General Public (Uncontrolled Environment) at distance ≥20 cm.

RSS-102 § 2.5.2 - EXEMPTION LIMITS FOR ROUTINE EVALUATION – RF EXPOSURE EVALUATION

Applicable Standard

According to RSS-102 § (2.5.2):

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

Calculated Data:

The maximum power including tune-up tolerance is 26.5 dBm@ 2.4GHz band, The 2.4GHz band and 5.8GHz band can`t transmit simultaneously, the maximum antenna gain is 2.29 dBi@ 2.4GHz band, so the maximum e.r.i.p. is 28.79 dBm (0.757W)

Exemption from Routine Evaluation Limit is:
$1.31 \times 10^{-2} f^{0.6834} = 1.31 \times 10^{-2} \times 2403.5^{0.6834} = 2.68 > 0.757W$

So the device is compliance exemption from Routine Evaluation Limits –RF exposure Evaluation.

Result: Compliance

FCC §15.203& RSS-GEN CLAUSE 6.8 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC§ 15.203, 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 shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.
b. Antenna must use a unique type of connector to attach to the EUT.
c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

According to RSS-Gen Clause 6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

Antenna Information And Connector Construction

The EUT has 2 internal antennas attached to the unit, the device supports 1T1R, fulfill the requirement of the item. Please refer to the internal photos.

Antenna	Manufacturer	Model Number	Antenna Type	Connector Type	input impedance (Ohm)	Antenna Gain /Frequency
SDR Main	DJI	PM420 UAV Ant	PCB	IPEX	50	2.29 dBi/2.4GHz 2.51 dBi/5.8GHz
SDR Aux	DJI	PM420 UAV Ant	PCB	IPEX	50	2.29 dBi/2.4GHz 2.51 dBi/5.8GHz

Result: Compliance.

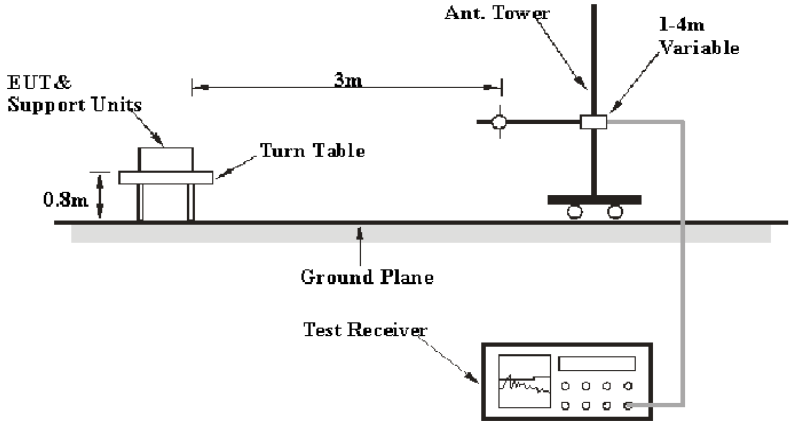
FCC §15.209, §15.205, §15.247(d) & RSS-247 CLAUSE 5.5, RSS-GEN CLAUSE 8.10- SPURIOUS EMISSIONS

Applicable Standard

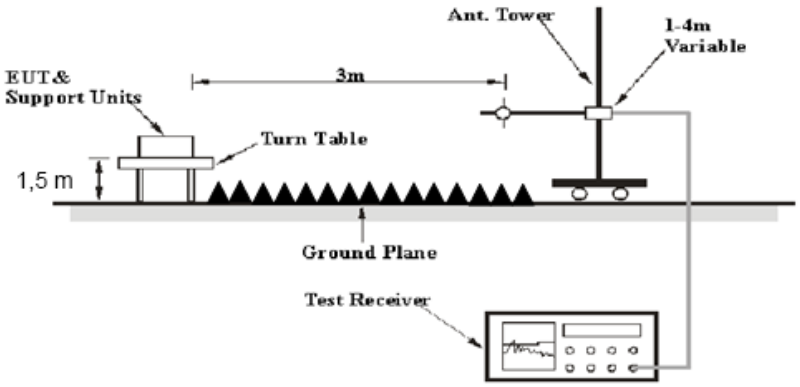
FCC §15.247 (d); §15.209; §15.205, RSS-247 §5.5, RSS-GEN Clause 8.10.

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site A for the range 30MHz to 1GHz and the 3 meters chamber B test site for above 1GHz, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247, the RSS-247 Clause 5.5,RSS-Gen Clause 8.10 limits..

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

30MHz-1000MHz:

Measurement	RBW	Video B/W	IF B/W
QP	120 kHz	300 kHz	120kHz

1GHz- 26.5GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

Note: T is minimum transmission duration

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit –Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2017-12-11	2018-12-11
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2018-05-06	2019-05-06
HP	Amplifier	8447D	2727A05902	2018-09-05	2019-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2018-01-04	2019-01-04
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-04
Ducommun Technolagies	Horn Antenna	ARH-4223-02	1007726-01 1304	2016-11-18	2019-11-18
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2018-09-05	2019-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2018-06-27	2019-06-27
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2018-09-05	2019-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2018-06-27	2019-06-27
E-Microwave	Band-stop Filters	OBSF-2400-2483.5-S	OE01601525	2018-06-16	2019-06-16
Micro-tronics	High Pass Filter	HPM50111	S/N-G217	2018-06-16	2019-06-16

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

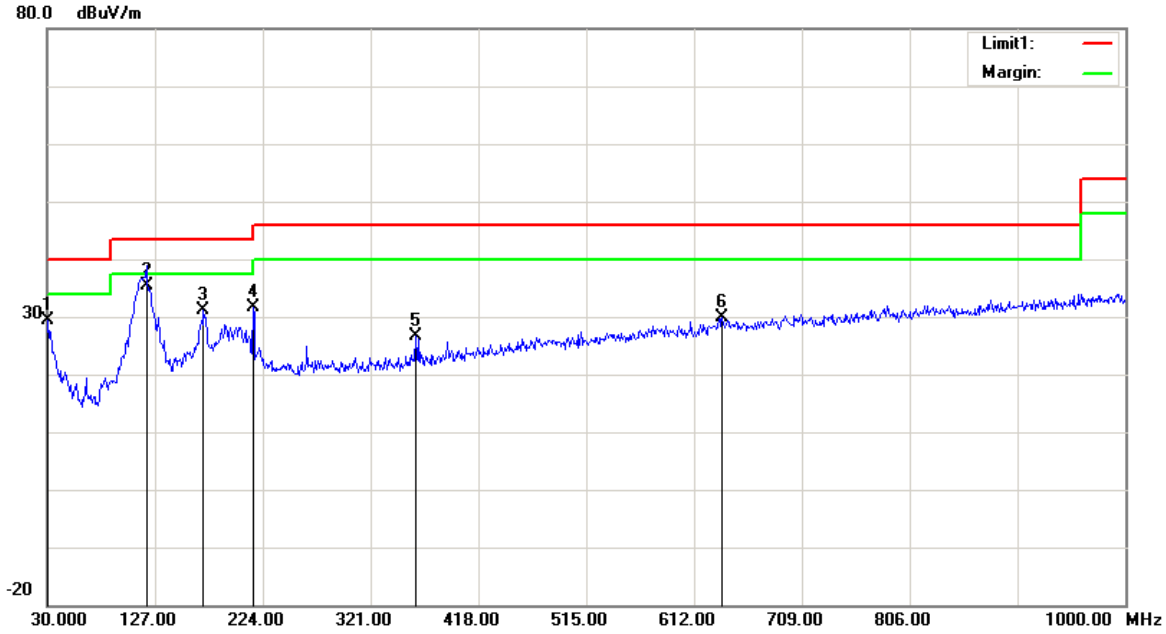
Temperature:	24.7~25.6°C
Relative Humidity:	35~42 %
ATM Pressure:	100.7~100.8 kPa

** The testing was performed by Vern Shen and Kami Zhou from 2018-11-21 to 2018-11-23.*

*Test Mode: Transmitting(*M210 RTK V2 was the worst*)*

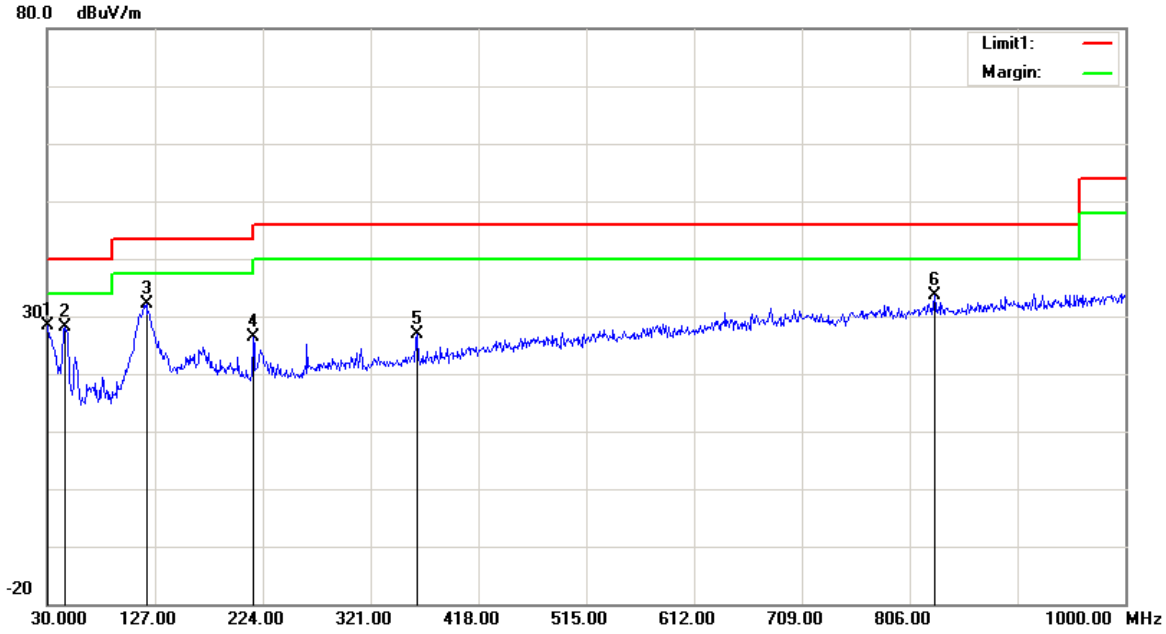
1) 30MHz-1GHz(*1.4MHz mode chain 1 middle channel was the worst)*:

Horizontal:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.9700	28.53	QP	0.95	29.48	40.00	10.52
119.2400	40.23	QP	-4.83	35.40	43.50	8.10
170.6500	37.63	QP	-6.60	31.03	43.50	12.47
215.2700	38.87	QP	-7.19	31.68	43.50	11.82
361.7400	29.39	QP	-2.79	26.60	46.00	19.40
637.2200	27.57	QP	2.20	29.77	46.00	16.23

Vertical:



Frequency (MHz)	Receiver Reading (dBuV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
30.0000	26.65	QP	1.76	28.41	40.00	11.59
45.5200	37.51	QP	-9.41	28.10	40.00	11.90
119.2400	37.07	QP	-4.83	32.24	43.50	11.26
215.2700	33.53	QP	-7.19	26.34	43.50	17.16
362.7100	29.64	QP	-2.80	26.84	46.00	19.16
828.3100	28.44	QP	5.14	33.58	46.00	12.42

2) 1-25GHz:

1.4MHz mode(Chain 1 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2403.5 MHz									
2403.50	71.24	PK	H	28.11	1.80	0.00	101.15	N/A	N/A
2403.50	61.75	AV	H	28.11	1.80	0.00	91.66	N/A	N/A
2403.50	83.14	PK	V	28.11	1.80	0.00	113.05	N/A	N/A
2403.50	73.67	AV	V	28.11	1.80	0.00	103.58	N/A	N/A
2390.00	26.23	PK	V	28.08	1.80	0.00	56.11	74.00	17.89
2390.00	14.94	AV	V	28.08	1.80	0.00	44.82	54.00	9.18
4807.00	45.62	PK	V	32.91	3.17	37.20	44.50	74.00	29.50
4807.00	33.47	AV	V	32.91	3.17	37.20	32.35	54.00	21.65
7210.50	44.36	PK	V	35.75	4.81	37.24	47.68	74.00	26.32
7210.50	32.18	AV	V	35.75	4.81	37.24	35.50	54.00	18.50
Middle Channel: 2441.5 MHz									
2441.50	72.56	PK	H	28.18	1.82	0.00	102.56	N/A	N/A
2441.50	61.48	AV	H	28.18	1.82	0.00	91.48	N/A	N/A
2441.50	83.77	PK	V	28.18	1.82	0.00	113.77	N/A	N/A
2441.50	71.80	AV	V	28.18	1.82	0.00	101.80	N/A	N/A
4883.00	45.49	PK	V	33.07	3.28	37.21	44.63	74.00	29.37
4883.00	33.25	AV	V	33.07	3.28	37.21	32.39	54.00	21.61
7324.50	44.97	PK	V	36.04	4.62	37.38	48.25	74.00	25.75
7324.50	33.24	AV	V	36.04	4.62	37.38	36.52	54.00	17.48
High Channel: 2477.5 MHz									
2477.50	70.58	PK	H	28.26	1.84	0.00	100.68	N/A	N/A
2477.50	58.46	AV	H	28.26	1.84	0.00	88.56	N/A	N/A
2477.50	82.49	PK	V	28.26	1.84	0.00	112.59	N/A	N/A
2477.50	70.51	AV	V	28.26	1.84	0.00	100.61	N/A	N/A
2483.50	26.42	PK	V	28.27	1.84	0.00	56.53	74.00	17.47
2483.50	13.52	AV	V	28.27	1.84	0.00	43.63	54.00	10.37
4955.00	46.82	PK	V	33.21	3.23	37.24	46.02	74.00	27.98
4955.00	33.47	AV	V	33.21	3.23	37.24	32.67	54.00	21.33
7432.50	44.70	PK	V	36.32	4.43	37.51	47.94	74.00	26.06
7432.50	31.56	AV	V	36.32	4.43	37.51	34.80	54.00	19.20

10MHz mode(Chain 1 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2405.5 MHz									
2405.50	68.24	PK	H	28.11	1.80	0.00	98.15	N/A	N/A
2405.50	57.16	AV	H	28.11	1.80	0.00	87.07	N/A	N/A
2405.50	78.76	PK	V	28.11	1.80	0.00	108.67	N/A	N/A
2405.50	67.61	AV	V	28.11	1.80	0.00	97.52	N/A	N/A
2390.00	25.64	PK	V	28.08	1.80	0.00	55.52	74.00	18.48
2390.00	13.30	AV	V	28.08	1.80	0.00	43.18	54.00	10.82
4811.00	45.60	PK	V	32.92	3.18	37.20	44.50	74.00	29.50
4811.00	32.47	AV	V	32.92	3.18	37.20	31.37	54.00	22.63
7216.50	44.77	PK	V	35.76	4.80	37.24	48.09	74.00	25.91
7216.50	31.52	AV	V	35.76	4.80	37.24	34.84	54.00	19.16
2406.5 MHz									
2406.50	78.93	PK	V	28.11	1.80	0.00	108.84	N/A	N/A
2406.50	67.67	AV	V	28.11	1.80	0.00	97.58	N/A	N/A
2390.00	25.69	PK	V	28.08	1.80	0.00	55.57	74.00	18.43
2390.00	13.32	AV	V	28.08	1.80	0.00	43.20	54.00	10.80
2409.5 MHz									
2409.50	79.23	PK	V	28.12	1.80	0.00	109.15	N/A	N/A
2409.50	68.09	AV	V	28.12	1.80	0.00	98.01	N/A	N/A
2390.00	26.26	PK	V	28.08	1.80	0.00	56.14	74.00	17.86
2390.00	13.86	AV	V	28.08	1.80	0.00	43.74	54.00	10.26
2410.5 MHz									
2410.50	80.09	PK	V	28.12	1.81	0.00	110.02	N/A	N/A
2410.50	69.23	AV	V	28.12	1.81	0.00	99.16	N/A	N/A
2390.00	25.41	PK	V	28.08	1.80	0.00	55.29	74.00	18.71
2390.00	13.24	AV	V	28.08	1.80	0.00	43.12	54.00	10.88
2412.5 MHz									
2412.50	81.14	PK	V	28.13	1.81	0.00	111.08	N/A	N/A
2412.50	69.83	AV	V	28.13	1.81	0.00	99.77	N/A	N/A
2390.00	25.74	PK	V	28.08	1.80	0.00	55.62	74.00	18.38
2390.00	13.81	AV	V	28.08	1.80	0.00	43.69	54.00	10.31
2415.5 MHz									
2415.50	82.29	PK	V	28.13	1.81	0.00	112.23	N/A	N/A
2415.50	70.12	AV	V	28.13	1.81	0.00	100.06	N/A	N/A
2390.00	26.85	PK	V	28.08	1.80	0.00	56.73	74.00	17.27
2390.00	13.47	AV	V	28.08	1.80	0.00	43.35	54.00	10.65
2417.5 MHz									
2417.50	82.89	PK	V	28.14	1.81	0.00	112.84	N/A	N/A
2417.50	70.42	AV	V	28.14	1.81	0.00	100.37	N/A	N/A
2390.00	27.27	PK	V	28.08	1.80	0.00	57.15	74.00	16.85
2390.00	13.98	AV	V	28.08	1.80	0.00	43.86	54.00	10.14
2419.5 MHz									
2419.50	83.37	PK	V	28.14	1.81	0.00	113.32	N/A	N/A
2419.50	70.46	AV	V	28.14	1.81	0.00	100.41	N/A	N/A
2390.00	25.68	PK	V	28.08	1.80	0.00	55.56	74.00	18.44
2390.00	13.17	AV	V	28.08	1.80	0.00	43.05	54.00	10.95

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2420.5 MHz									
2420.50	86.78	PK	V	28.14	1.81	0.00	116.73	N/A	N/A
2420.50	73.41	AV	V	28.14	1.81	0.00	103.36	N/A	N/A
2390.00	25.87	PK	V	28.08	1.80	0.00	55.75	74.00	18.25
2390.00	13.09	AV	V	28.08	1.80	0.00	42.97	54.00	11.03
2441.5 MHz									
2441.50	75.61	PK	H	28.18	1.82	0.00	105.61	N/A	N/A
2441.50	62.48	AV	H	28.18	1.82	0.00	92.48	N/A	N/A
2441.50	86.01	PK	V	28.18	1.82	0.00	116.01	N/A	N/A
2441.50	72.86	AV	V	28.18	1.82	0.00	102.86	N/A	N/A
4883.00	46.52	PK	V	33.07	3.28	37.21	45.66	74.00	28.34
4883.00	33.15	AV	V	33.07	3.28	37.21	32.29	54.00	21.71
7324.50	45.51	PK	V	36.04	4.62	37.38	48.79	74.00	25.21
7324.50	32.34	AV	V	36.04	4.62	37.38	35.62	54.00	18.38
2455.5 MHz									
2455.50	85.96	PK	V	28.21	1.83	0.00	116.00	N/A	N/A
2455.50	71.47	AV	V	28.21	1.83	0.00	101.51	N/A	N/A
2483.50	26.44	PK	V	28.27	1.84	0.00	56.55	74.00	17.45
2483.50	13.52	AV	V	28.27	1.84	0.00	43.63	54.00	10.37
2456.5 MHz									
2456.50	83.34	PK	V	28.21	1.83	0.00	113.38	N/A	N/A
2456.50	70.37	AV	V	28.21	1.83	0.00	100.41	N/A	N/A
2483.50	26.77	PK	V	28.27	1.84	0.00	56.88	74.00	17.12
2483.50	13.46	AV	V	28.27	1.84	0.00	43.57	54.00	10.43
2458.5 MHz									
2458.50	82.74	PK	V	28.22	1.83	0.00	112.79	N/A	N/A
2458.50	70.15	AV	V	28.22	1.83	0.00	100.20	N/A	N/A
2483.50	26.36	PK	V	28.27	1.84	0.00	56.47	74.00	17.53
2483.50	13.74	AV	V	28.27	1.84	0.00	43.85	54.00	10.15
2460.5 MHz									
2460.50	82.36	PK	V	28.22	1.83	0.00	112.41	N/A	N/A
2460.50	69.88	AV	V	28.22	1.83	0.00	99.93	N/A	N/A
2483.50	26.85	PK	V	28.27	1.84	0.00	56.96	74.00	17.04
2483.50	13.55	AV	V	28.27	1.84	0.00	43.66	54.00	10.34
2462.5 MHz									
2462.50	82.14	PK	V	28.23	1.83	0.00	112.20	N/A	N/A
2462.50	69.27	AV	V	28.23	1.83	0.00	99.33	N/A	N/A
2483.50	26.74	PK	V	28.27	1.84	0.00	56.85	74.00	17.15
2483.50	13.64	AV	V	28.27	1.84	0.00	43.75	54.00	10.25
2463.5 MHz									
2463.50	81.69	PK	V	28.23	1.83	0.00	111.75	N/A	N/A
2463.50	69.22	AV	V	28.23	1.83	0.00	99.28	N/A	N/A
2483.50	25.14	PK	V	28.27	1.84	0.00	55.25	74.00	18.75
2483.50	13.29	AV	V	28.27	1.84	0.00	43.40	54.00	10.60
2464.5 MHz									
2464.50	81.00	PK	V	28.23	1.83	0.00	111.06	N/A	N/A
2464.50	68.74	AV	V	28.23	1.83	0.00	98.80	N/A	N/A
2483.50	25.63	PK	V	28.27	1.84	0.00	55.74	74.00	18.26
2483.50	13.84	AV	V	28.27	1.84	0.00	43.95	54.00	10.05

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2465.5 MHz									
2465.50	79.59	PK	V	28.23	1.83	0.00	109.65	N/A	N/A
2465.50	68.49	AV	V	28.23	1.83	0.00	98.55	N/A	N/A
2483.50	26.14	PK	V	28.27	1.84	0.00	56.25	74.00	17.75
2483.50	13.58	AV	V	28.27	1.84	0.00	43.69	54.00	10.31
2466.5 MHz									
2466.50	68.68	PK	H	28.23	1.83	0.00	98.74	N/A	N/A
2466.50	53.41	AV	H	28.23	1.83	0.00	83.47	N/A	N/A
2466.50	78.94	PK	V	28.23	1.83	0.00	109.00	N/A	N/A
2466.50	65.74	AV	V	28.23	1.83	0.00	95.80	N/A	N/A
2483.50	26.95	PK	V	28.27	1.84	0.00	57.06	74.00	16.94
2483.50	13.75	AV	V	28.27	1.84	0.00	43.86	54.00	10.14
2468.5 MHz									
2468.50	68.11	PK	H	28.24	1.83	0.00	98.18	N/A	N/A
2468.50	54.25	AV	H	28.24	1.83	0.00	84.32	N/A	N/A
2468.50	78.62	PK	V	28.24	1.83	0.00	108.69	N/A	N/A
2468.50	65.22	AV	V	28.24	1.83	0.00	95.29	N/A	N/A
2483.50	26.25	PK	V	28.27	1.84	0.00	56.36	74.00	17.64
2483.50	14.03	AV	V	28.27	1.84	0.00	44.14	54.00	9.86
2470.5 MHz									
2470.50	67.72	PK	H	28.24	1.84	0.00	97.80	N/A	N/A
2470.50	54.06	AV	H	28.24	1.84	0.00	84.14	N/A	N/A
2470.50	77.89	PK	V	28.24	1.84	0.00	107.97	N/A	N/A
2470.50	65.09	AV	V	28.24	1.84	0.00	95.17	N/A	N/A
2483.50	25.87	PK	V	28.27	1.84	0.00	55.98	74.00	18.02
2483.50	13.77	AV	V	28.27	1.84	0.00	43.88	54.00	10.12
2471.5 MHz									
2471.50	67.38	PK	H	28.24	1.84	0.00	97.46	N/A	N/A
2471.50	54.26	AV	H	28.24	1.84	0.00	84.34	N/A	N/A
2471.50	77.32	PK	V	28.24	1.84	0.00	107.40	N/A	N/A
2471.50	64.48	AV	V	28.24	1.84	0.00	94.56	N/A	N/A
2483.50	26.83	PK	V	28.27	1.84	0.00	56.94	74.00	17.06
2483.50	13.26	AV	V	28.27	1.84	0.00	43.37	54.00	10.63
Middle Channel: 2472.5 MHz									
2472.50	64.41	PK	H	28.25	1.84	0.00	94.50	N/A	N/A
2472.50	51.34	AV	H	28.25	1.84	0.00	81.43	N/A	N/A
2472.50	74.50	PK	V	28.25	1.84	0.00	104.59	N/A	N/A
2472.50	61.48	AV	V	28.25	1.84	0.00	91.57	N/A	N/A
2483.50	26.68	PK	V	28.27	1.84	0.00	56.79	74.00	17.21
2483.50	13.47	AV	V	28.27	1.84	0.00	43.58	54.00	10.42
Middle Channel: 2473.5 MHz									
2473.50	62.35	PK	H	28.25	1.84	0.00	92.44	N/A	N/A
2473.50	50.14	AV	H	28.25	1.84	0.00	80.23	N/A	N/A
2473.50	73.25	PK	V	28.25	1.84	0.00	103.34	N/A	N/A
2473.50	61.03	AV	V	28.25	1.84	0.00	91.12	N/A	N/A
2483.50	26.55	PK	V	28.27	1.84	0.00	56.66	74.00	17.34
2483.50	13.52	AV	V	28.27	1.84	0.00	43.63	54.00	10.37

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2474.5 MHz									
2474.50	61.35	PK	H	28.25	1.84	0.00	91.44	N/A	N/A
2474.50	48.17	AV	H	28.25	1.84	0.00	78.26	N/A	N/A
2474.50	71.65	PK	V	28.25	1.84	0.00	101.74	N/A	N/A
2474.50	58.43	AV	V	28.25	1.84	0.00	88.52	N/A	N/A
2483.50	26.58	PK	V	28.27	1.84	0.00	56.69	74.00	17.31
2483.50	13.47	AV	V	28.27	1.84	0.00	43.58	54.00	10.42
2475.5 MHz									
2475.50	58.46	PK	H	28.25	1.84	0.00	88.55	N/A	N/A
2475.50	45.78	AV	H	28.25	1.84	0.00	75.87	N/A	N/A
2475.50	68.49	PK	V	28.25	1.84	0.00	98.58	N/A	N/A
2475.50	55.64	AV	V	28.25	1.84	0.00	85.73	N/A	N/A
2483.50	25.91	PK	V	28.27	1.84	0.00	56.02	74.00	17.98
2483.50	13.26	AV	V	28.27	1.84	0.00	43.37	54.00	10.63
2476.5 MHz									
2476.50	53.97	PK	H	28.25	1.84	0.00	84.06	N/A	N/A
2476.50	40.56	AV	H	28.25	1.84	0.00	70.65	N/A	N/A
2476.50	64.97	PK	V	28.25	1.84	0.00	95.06	N/A	N/A
2476.50	51.62	AV	V	28.25	1.84	0.00	81.71	N/A	N/A
2483.50	25.29	PK	V	28.27	1.84	0.00	55.40	74.00	18.60
2483.50	12.78	AV	V	28.27	1.84	0.00	42.89	54.00	11.11
2477.5 MHz									
2477.50	41.65	PK	H	28.26	1.84	0.00	71.75	N/A	N/A
2477.50	28.47	AV	H	28.26	1.84	0.00	58.57	N/A	N/A
2477.50	51.70	PK	V	28.26	1.84	0.00	81.80	N/A	N/A
2477.50	38.47	AV	V	28.26	1.84	0.00	68.57	N/A	N/A
2483.50	25.81	PK	V	28.27	1.84	0.00	55.92	74.00	18.08
2483.50	13.05	AV	V	28.27	1.84	0.00	43.16	54.00	10.84
4955.00	46.90	PK	V	33.21	3.23	37.24	46.10	74.00	27.90
4955.00	33.12	AV	V	33.21	3.23	37.24	32.32	54.00	21.68
7432.50	45.36	PK	V	36.32	4.43	37.51	48.60	74.00	25.40
7432.50	32.41	AV	V	36.32	4.43	37.51	35.65	54.00	18.35

20MHz, (Chain 1 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB/m)					
Low Channel: 2410.5 MHz									
2410.50	61.02	PK	H	28.12	1.81	0.00	90.95	N/A	N/A
2410.50	48.11	AV	H	28.12	1.81	0.00	78.04	N/A	N/A
2410.50	71.25	PK	V	28.12	1.81	0.00	101.18	N/A	N/A
2410.50	58.51	AV	V	28.12	1.81	0.00	88.44	N/A	N/A
2390.00	25.97	PK	V	28.08	1.80	0.00	55.85	74.00	18.15
2390.00	13.39	AV	V	28.08	1.80	0.00	43.27	54.00	10.73
4821.00	46.10	PK	V	32.94	3.19	37.20	45.03	74.00	28.97
4821.00	33.06	AV	V	32.94	3.19	37.20	31.99	54.00	22.01
7231.50	45.10	PK	V	35.80	4.78	37.26	48.42	74.00	25.58
7231.50	32.64	AV	V	35.80	4.78	37.26	35.96	54.00	18.04
2411.5 MHz									
2411.50	72.62	PK	V	28.12	1.81	0.00	102.55	N/A	N/A
2411.50	59.44	AV	V	28.12	1.81	0.00	89.37	N/A	N/A
2390.00	25.96	PK	V	28.08	1.80	0.00	55.84	74.00	18.16
2390.00	13.36	AV	V	28.08	1.80	0.00	43.24	54.00	10.76
2412.5 MHz									
2412.50	73.87	PK	V	28.13	1.81	0.00	103.81	N/A	N/A
2412.50	60.23	AV	V	28.13	1.81	0.00	90.17	N/A	N/A
2390.00	27.02	PK	V	28.08	1.80	0.00	56.90	74.00	17.10
2390.00	14.10	AV	V	28.08	1.80	0.00	43.98	54.00	10.02
2414.5 MHz									
2414.50	74.85	PK	V	28.13	1.81	0.00	104.79	N/A	N/A
2414.50	62.11	AV	V	28.13	1.81	0.00	92.05	N/A	N/A
2390.00	26.87	PK	V	28.08	1.80	0.00	56.75	74.00	17.25
2390.00	14.29	AV	V	28.08	1.80	0.00	44.17	54.00	9.83
2416.5 MHz									
2416.50	75.95	PK	V	28.13	1.81	0.00	105.89	N/A	N/A
2416.50	62.41	AV	V	28.13	1.81	0.00	92.35	N/A	N/A
2390.00	26.84	PK	V	28.08	1.80	0.00	56.72	74.00	17.28
2390.00	13.69	AV	V	28.08	1.80	0.00	43.57	54.00	10.43
2417.5 MHz									
2417.50	77.85	PK	V	28.14	1.81	0.00	107.80	N/A	N/A
2417.50	64.17	AV	V	28.14	1.81	0.00	94.12	N/A	N/A
2390.00	25.19	PK	V	28.08	1.80	0.00	55.07	74.00	18.93
2390.00	13.15	AV	V	28.08	1.80	0.00	43.03	54.00	10.97
2419.5 MHz									
2419.50	78.95	PK	V	28.14	1.81	0.00	108.90	N/A	N/A
2419.50	65.52	AV	V	28.14	1.81	0.00	95.47	N/A	N/A
2390.00	25.65	PK	V	28.08	1.80	0.00	55.53	74.00	18.47
2390.00	14.03	AV	V	28.08	1.80	0.00	43.91	54.00	10.09
2421.5 MHz									
2421.50	79.68	PK	V	28.14	1.81	0.00	109.63	N/A	N/A
2421.50	66.17	AV	V	28.14	1.81	0.00	96.12	N/A	N/A
2390.00	25.48	PK	V	28.08	1.80	0.00	55.36	74.00	18.64
2390.00	13.52	AV	V	28.08	1.80	0.00	43.40	54.00	10.60
2423.5 MHz									
2423.50	80.93	PK	V	28.15	1.81	0.00	110.89	N/A	N/A
2423.50	67.37	AV	V	28.15	1.81	0.00	97.33	N/A	N/A
2390.00	26.21	PK	V	28.08	1.80	0.00	56.09	74.00	17.91
2390.00	13.76	AV	V	28.08	1.80	0.00	43.64	54.00	10.36

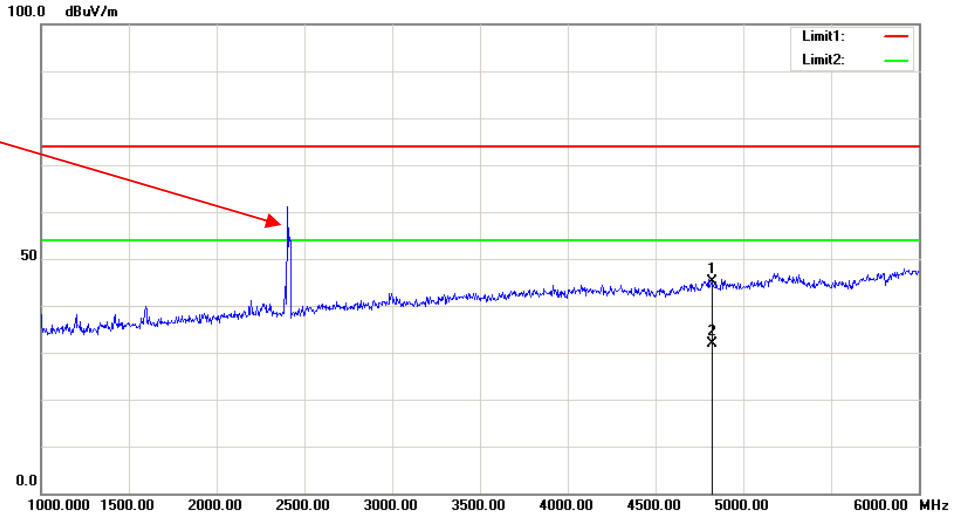
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2425.5 MHz									
2425.50	81.25	PK	V	28.15	1.81	0.00	111.21	N/A	N/A
2425.50	68.33	AV	V	28.15	1.81	0.00	98.29	N/A	N/A
2390.00	26.01	PK	V	28.08	1.80	0.00	55.89	74.00	18.11
2390.00	13.25	AV	V	28.08	1.80	0.00	43.13	54.00	10.87
2427.5 MHz									
2427.50	81.52	PK	V	28.16	1.81	0.00	111.49	N/A	N/A
2427.50	68.36	AV	V	28.16	1.81	0.00	98.33	N/A	N/A
2390.00	26.55	PK	V	28.08	1.80	0.00	56.43	74.00	17.57
2390.00	14.03	AV	V	28.08	1.80	0.00	43.91	54.00	10.09
2429.5 MHz									
2429.50	81.98	PK	V	28.16	1.81	0.00	111.95	N/A	N/A
2429.50	68.74	AV	V	28.16	1.81	0.00	98.71	N/A	N/A
2390.00	26.55	PK	V	28.08	1.80	0.00	56.43	74.00	17.57
2390.00	14.22	AV	V	28.08	1.80	0.00	44.10	54.00	9.90
2430.5 MHz									
2430.50	82.64	PK	V	28.16	1.82	0.00	112.62	N/A	N/A
2430.50	68.63	AV	V	28.16	1.82	0.00	98.61	N/A	N/A
2390.00	24.16	PK	V	28.08	1.80	0.00	54.04	74.00	19.96
2390.00	13.44	AV	V	28.08	1.80	0.00	43.32	54.00	10.68
2435.5 MHz									
2435.50	83.40	PK	V	28.17	1.82	0.00	113.39	N/A	N/A
2435.50	70.25	AV	V	28.17	1.82	0.00	100.24	N/A	N/A
2390.00	25.87	PK	V	28.08	1.80	0.00	55.75	74.00	18.25
2390.00	14.03	AV	V	28.08	1.80	0.00	43.91	54.00	10.09
2439.5 MHz									
2439.50	84.63	PK	V	28.18	1.82	0.00	114.63	N/A	N/A
2439.50	71.06	AV	V	28.18	1.82	0.00	101.06	N/A	N/A
2390.00	25.98	PK	V	28.08	1.80	0.00	55.86	74.00	18.14
2390.00	13.78	AV	V	28.08	1.80	0.00	43.66	54.00	10.34
2441.5 MHz									
2441.50	75.00	PK	H	28.18	1.82	0.00	105.00	N/A	N/A
2441.50	61.78	AV	H	28.18	1.82	0.00	91.78	N/A	N/A
2441.50	85.40	PK	V	28.18	1.82	0.00	115.40	N/A	N/A
2441.50	72.13	AV	V	28.18	1.82	0.00	102.13	N/A	N/A
4883.00	46.36	PK	V	33.07	3.28	37.21	45.50	74.00	28.50
4883.00	33.47	AV	V	33.07	3.28	37.21	32.61	54.00	21.39
7324.50	45.56	PK	V	36.04	4.62	37.38	48.84	74.00	25.16
7324.50	32.16	AV	V	36.04	4.62	37.38	35.44	54.00	18.56
2443.5 MHz									
2443.50	84.36	PK	V	28.19	1.82	0.00	114.37	N/A	N/A
2443.50	71.09	AV	V	28.19	1.82	0.00	101.10	N/A	N/A
2483.50	27.33	PK	V	28.27	1.84	0.00	57.44	74.00	16.56
2483.50	13.85	AV	V	28.27	1.84	0.00	43.96	54.00	10.04
2445.5 MHz									
2445.50	83.21	PK	V	28.19	1.82	0.00	113.22	N/A	N/A
2445.50	70.18	AV	V	28.19	1.82	0.00	100.19	N/A	N/A
2483.50	27.38	PK	V	28.27	1.84	0.00	57.49	74.00	16.51
2483.50	13.64	AV	V	28.27	1.84	0.00	43.75	54.00	10.25

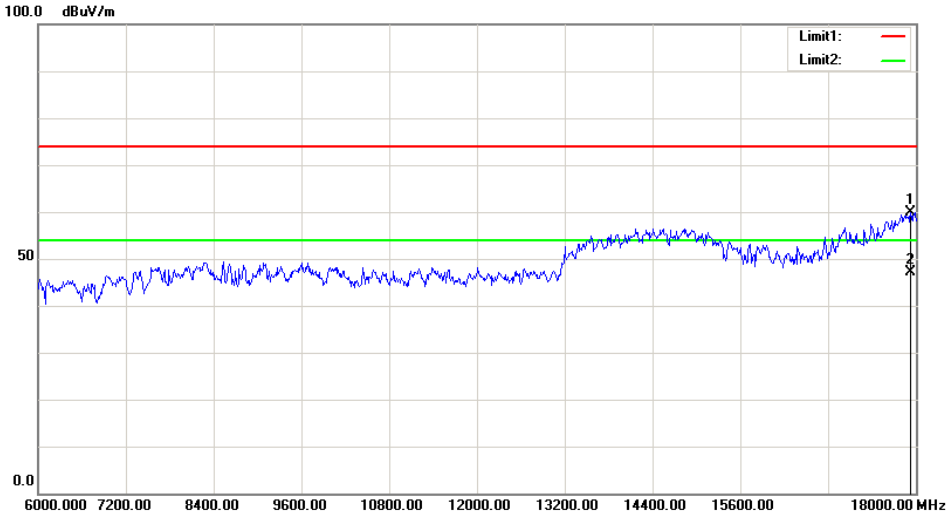
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2446.5 MHz									
2446.50	82.89	PK	V	28.19	1.82	0.00	112.90	N/A	N/A
2446.50	69.47	AV	V	28.19	1.82	0.00	99.48	N/A	N/A
2483.50	26.85	PK	V	28.27	1.84	0.00	56.96	74.00	17.04
2483.50	13.25	AV	V	28.27	1.84	0.00	43.36	54.00	10.64
2447.5 MHz									
2447.50	81.84	PK	V	28.20	1.82	0.00	111.86	N/A	N/A
2447.50	69.52	AV	V	28.20	1.82	0.00	99.54	N/A	N/A
2483.50	27.41	PK	V	28.27	1.84	0.00	57.52	74.00	16.48
2483.50	13.58	AV	V	28.27	1.84	0.00	43.69	54.00	10.31
2448.5 MHz									
2448.50	81.15	PK	V	28.20	1.82	0.00	111.17	N/A	N/A
2448.50	68.26	AV	V	28.20	1.82	0.00	98.28	N/A	N/A
2483.50	27.09	PK	V	28.27	1.84	0.00	57.20	74.00	16.80
2483.50	13.78	AV	V	28.27	1.84	0.00	43.89	54.00	10.11
2450.5 MHz									
2450.50	80.25	PK	V	28.20	1.83	0.00	110.28	N/A	N/A
2450.50	67.95	AV	V	28.20	1.83	0.00	97.98	N/A	N/A
2483.50	26.95	PK	V	28.27	1.84	0.00	57.06	74.00	16.94
2483.50	13.58	AV	V	28.27	1.84	0.00	43.69	54.00	10.31
2453.5 MHz									
2453.50	79.58	PK	V	28.21	1.83	0.00	109.62	N/A	N/A
2453.50	66.52	AV	V	28.21	1.83	0.00	96.56	N/A	N/A
2483.50	26.95	PK	V	28.27	1.84	0.00	57.06	74.00	16.94
2483.50	13.52	AV	V	28.27	1.84	0.00	43.63	54.00	10.37
2455.5 MHz									
2455.50	78.05	PK	V	28.21	1.83	0.00	108.09	N/A	N/A
2455.50	64.64	AV	V	28.21	1.83	0.00	94.68	N/A	N/A
2483.50	25.44	PK	V	28.27	1.84	0.00	55.55	74.00	18.45
2483.50	13.32	AV	V	28.27	1.84	0.00	43.43	54.00	10.57
2457.5 MHz									
2457.50	77.59	PK	V	28.22	1.83	0.00	107.64	N/A	N/A
2457.50	64.25	AV	V	28.22	1.83	0.00	94.30	N/A	N/A
2483.50	26.14	PK	V	28.27	1.84	0.00	56.25	74.00	17.75
2483.50	13.56	AV	V	28.27	1.84	0.00	43.67	54.00	10.33
2459.5 MHz									
2459.50	76.15	PK	V	28.22	1.83	0.00	106.20	N/A	N/A
2459.50	63.25	AV	V	28.22	1.83	0.00	93.30	N/A	N/A
2483.50	26.58	PK	V	28.27	1.84	0.00	56.69	74.00	17.31
2483.50	13.56	AV	V	28.27	1.84	0.00	43.67	54.00	10.33
2461.5 MHz									
2461.50	75.59	PK	V	28.22	1.83	0.00	105.64	N/A	N/A
2461.50	62.58	AV	V	28.22	1.83	0.00	92.63	N/A	N/A
2483.50	26.41	PK	V	28.27	1.84	0.00	56.52	74.00	17.48
2483.50	13.58	AV	V	28.27	1.84	0.00	43.69	54.00	10.31
2463.5 MHz									
2463.50	75.12	PK	V	28.23	1.83	0.00	105.18	N/A	N/A
2463.50	61.94	AV	V	28.23	1.83	0.00	92.00	N/A	N/A
2483.50	25.66	PK	V	28.27	1.84	0.00	55.77	74.00	18.23
2483.50	13.42	AV	V	28.27	1.84	0.00	43.53	54.00	10.47

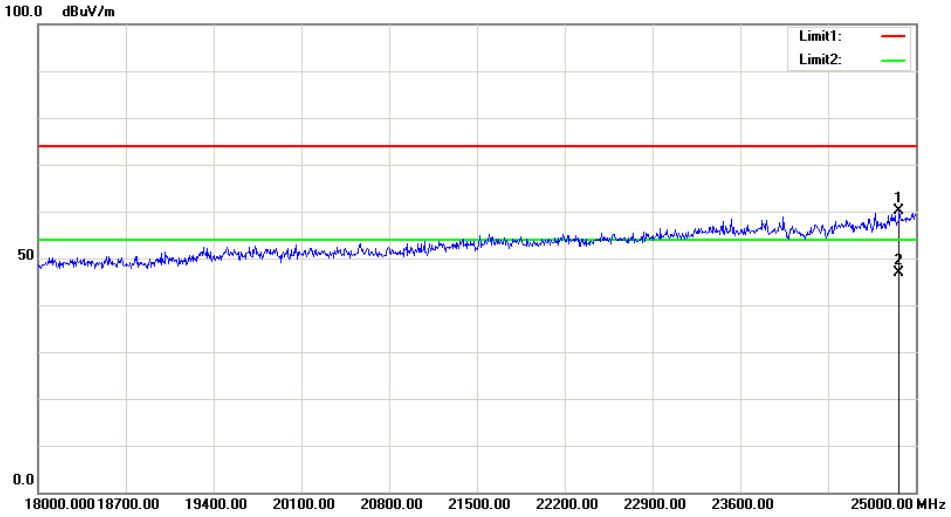
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)					
2465.5 MHz									
2465.50	74.16	PK	V	28.23	1.83	0.00	104.22	N/A	N/A
2465.50	61.23	AV	V	28.23	1.83	0.00	91.29	N/A	N/A
2483.50	25.14	PK	V	28.27	1.84	0.00	55.25	74.00	18.75
2483.50	13.47	AV	V	28.27	1.84	0.00	43.58	54.00	10.42
2467.5 MHz									
2467.50	73.14	PK	V	28.24	1.83	0.00	103.21	N/A	N/A
2467.50	60.28	AV	V	28.24	1.83	0.00	90.35	N/A	N/A
2483.50	26.14	PK	V	28.27	1.84	0.00	56.25	74.00	17.75
2483.50	13.56	AV	V	28.27	1.84	0.00	43.67	54.00	10.33
2468.5 MHz									
2468.50	72.57	PK	V	28.24	1.83	0.00	102.64	N/A	N/A
2468.50	59.70	AV	V	28.24	1.83	0.00	89.77	N/A	N/A
2483.50	25.60	PK	V	28.27	1.84	0.00	55.71	74.00	18.29
2483.50	13.11	AV	V	28.27	1.84	0.00	43.22	54.00	10.78
2469.5 MHz									
2469.50	68.59	PK	V	28.24	1.83	0.00	98.66	N/A	N/A
2469.50	55.37	AV	V	28.24	1.83	0.00	85.44	N/A	N/A
2483.50	26.12	PK	V	28.27	1.84	0.00	56.23	74.00	17.77
2483.50	13.42	AV	V	28.27	1.84	0.00	43.53	54.00	10.47
2471.5 MHz									
2471.50	67.18	PK	V	28.24	1.84	0.00	97.26	N/A	N/A
2471.50	53.67	AV	V	28.24	1.84	0.00	83.75	N/A	N/A
2483.50	26.03	PK	V	28.27	1.84	0.00	56.14	74.00	17.86
2483.50	13.28	AV	V	28.27	1.84	0.00	43.39	54.00	10.61
2472.5 MHz									
2472.50	51.83	PK	H	28.25	1.84	0.00	81.92	N/A	N/A
2472.50	38.45	AV	H	28.25	1.84	0.00	68.54	N/A	N/A
2472.50	61.76	PK	V	28.25	1.84	0.00	91.85	N/A	N/A
2472.50	48.34	AV	V	28.25	1.84	0.00	78.43	N/A	N/A
2483.50	26.16	PK	V	28.27	1.84	0.00	56.27	74.00	17.73
2483.50	13.42	AV	V	28.27	1.84	0.00	43.53	54.00	10.47
4945.00	46.86	PK	V	33.19	3.25	37.24	46.06	74.00	27.94
4945.00	33.45	AV	V	33.19	3.25	37.24	32.65	54.00	21.35
7417.50	45.12	PK	V	36.29	4.45	37.50	48.36	74.00	25.64
7417.50	32.27	AV	V	36.29	4.45	37.50	35.51	54.00	18.49

Worst plots(*1.4MHz mode chain 1 middle channel was the worst*)
Horizontal

Fundamental Test with Band Rejection Filter

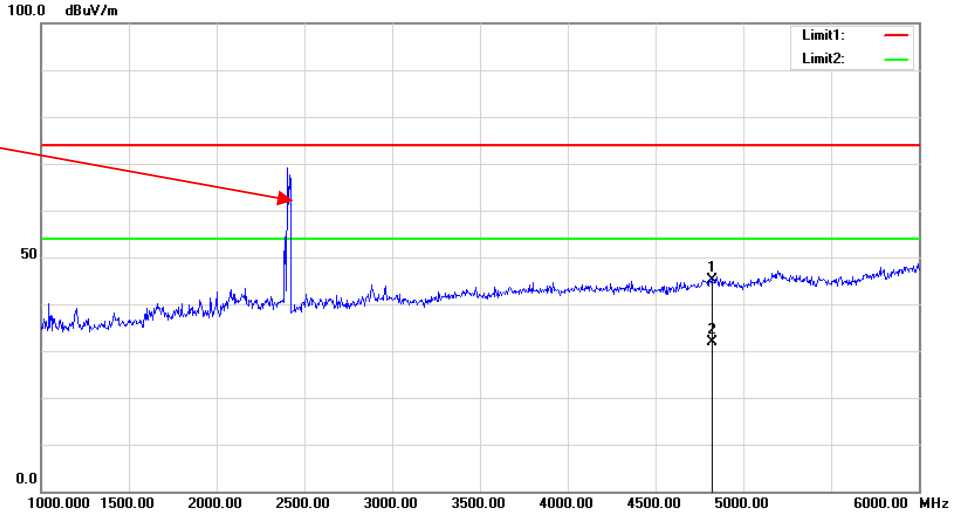


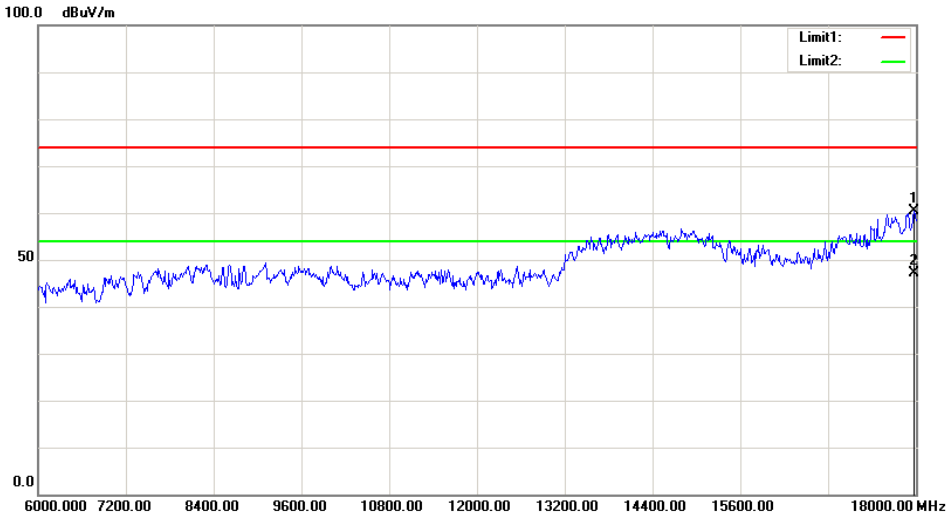


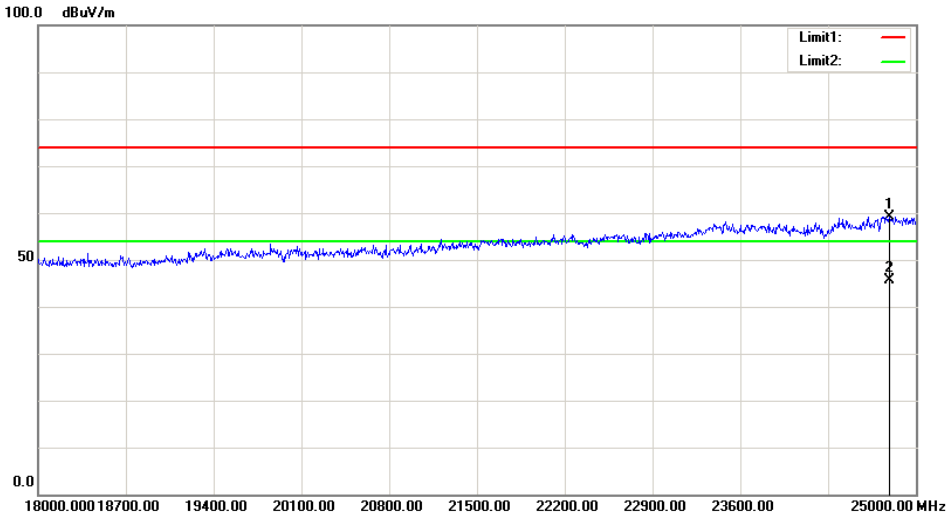


Vertical

Fundamental Test with Band Rejection Filter







FCC §15.247(a) (2) & RSS-247 CLAUSE 5.2 a) &RSS-GEN CLAUSE 6.7–6 dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

Applicable Standard

According to FCC §15.247(a) (2)

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

According to RSS-247 Clause 5.2 a)

The minimum 6 dB bandwidth shall be 500 kHz.

According to RSS-Gen Clause 6.7

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the "x dB bandwidth" is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
- The detector of the spectrum analyzer shall be set to "Sample". However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or "Max Hold") may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

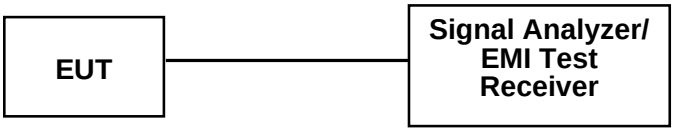
Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

Test Procedure

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

99% Occupied bandwidth test:
Use Occupied bandwidth test function, measure the 99% Occupied bandwidth.
Repeat above procedures until all frequencies measured were complete.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	2018-09-05	2019-09-05

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25.5 °C
Relative Humidity:	45 %
ATM Pressure:	100.6 kPa

** The testing was performed by Elena Lei on 2018-11-22.*

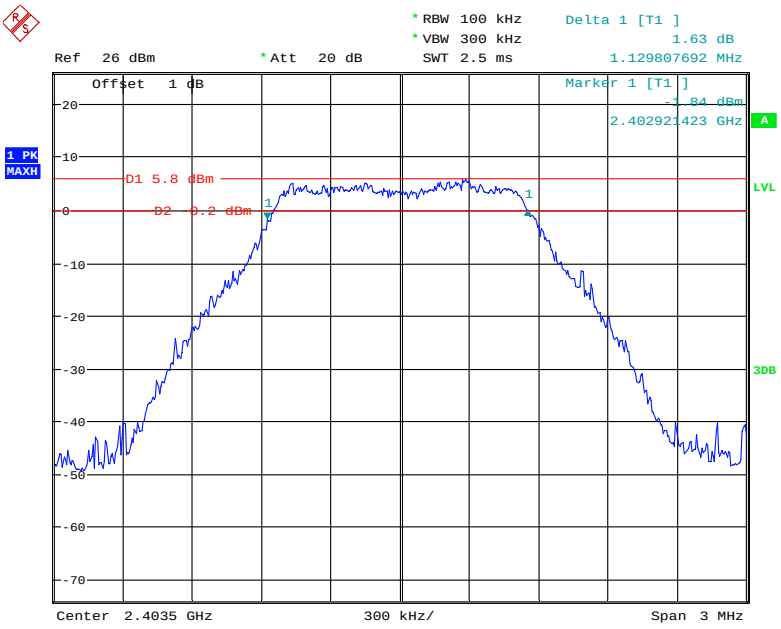
Test Mode: Transmitting

Test Result: Compliance. Please refer to the following table and plots

Test mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)
1.4MHz	Low	2403.5	1.130	1.146	≥0.5
	Middle	2441.5	1.104	1.140	≥0.5
	High	2477.5	1.102	1.134	≥0.5
10MHz	Low	2405.5	9.023	8.960	≥0.5
	Middle	2441.5	9.061	9.000	≥0.5
	High	2477.5	8.965	8.960	≥0.5
20MHz	Low	2410.5	18.011	17.840	≥0.5
	Middle	2441.5	18.058	17.840	≥0.5
	High	2472.5	18.106	18.000	≥0.5

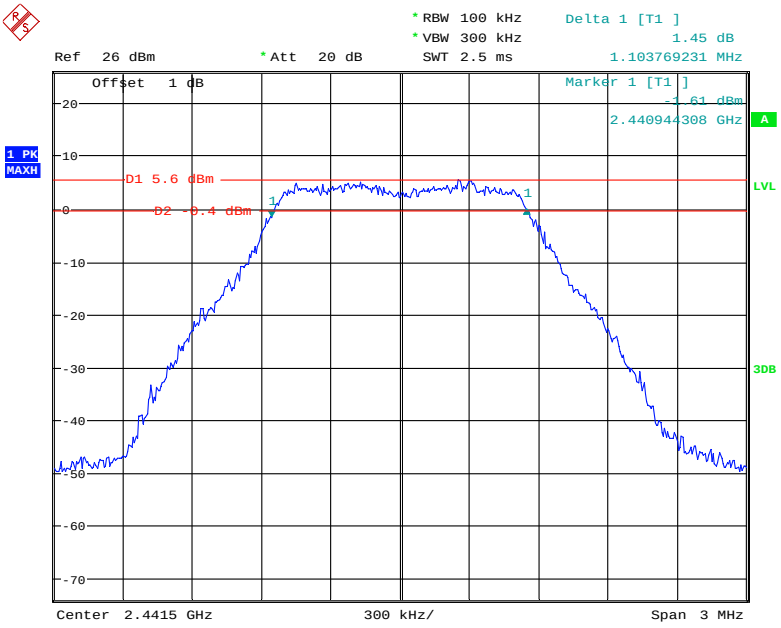
6dB bandwidth:

1.4M Low Channel



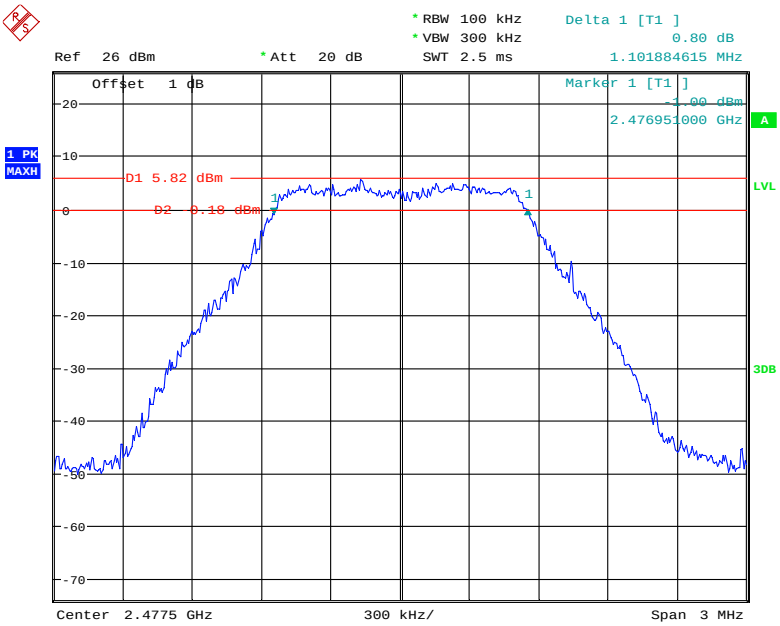
Date: 22.NOV.2018 09:11:41

1.4M Middle Channel



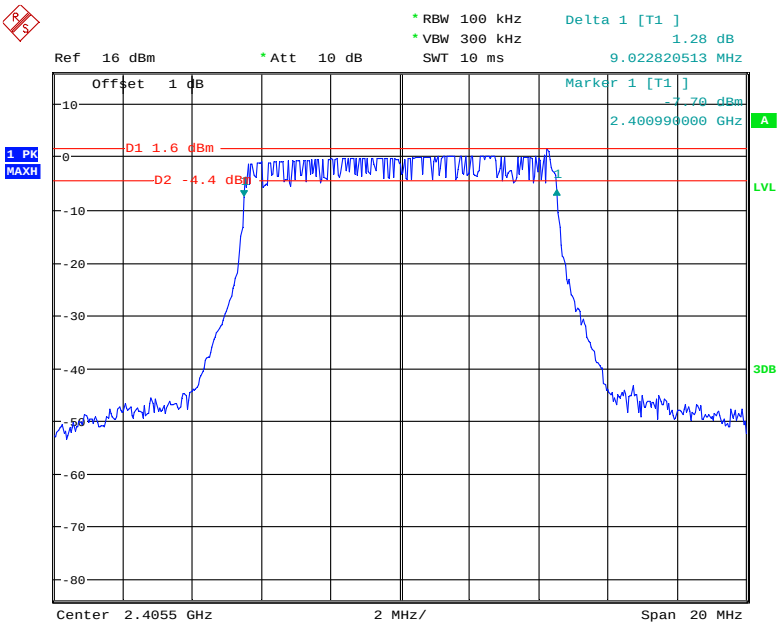
Date: 22.NOV.2018 09:12:38

1.4M High Channel



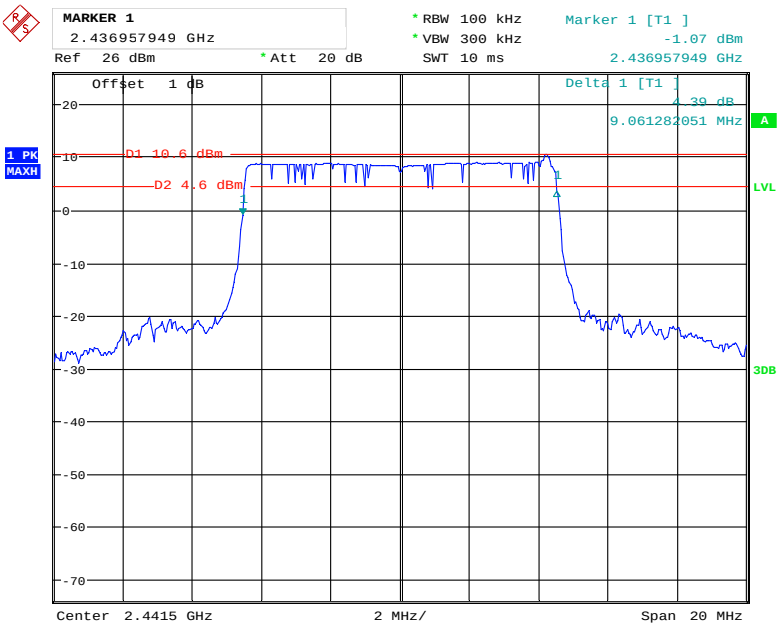
Date: 22.NOV.2018 09:13:31

10M Low Channel



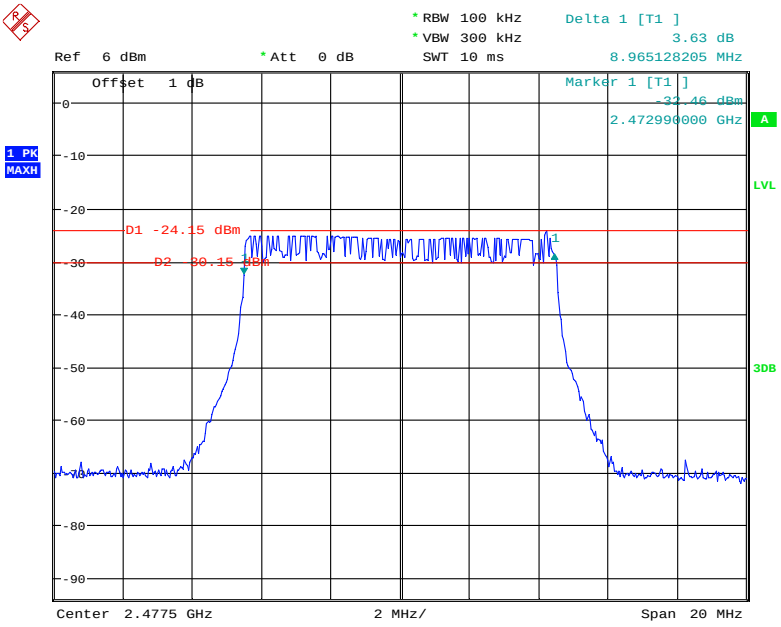
Date: 22.NOV.2018 09:14:51

10M Middle Channel



Date: 22.NOV.2018 09:17:40

10M High Channel



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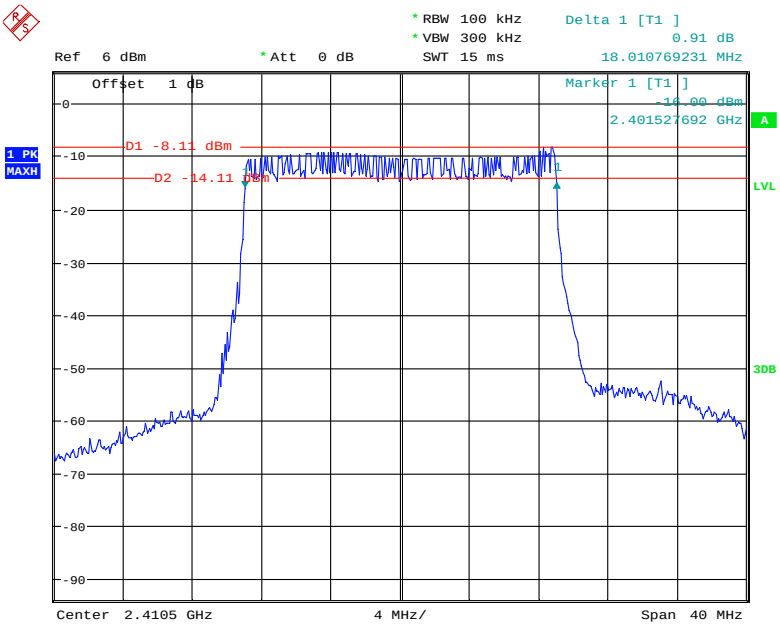
20M Low Channel



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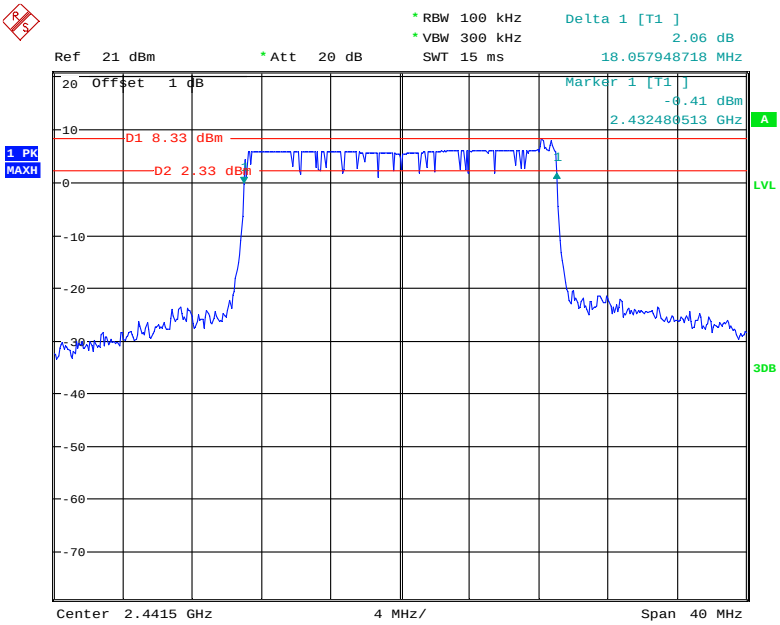
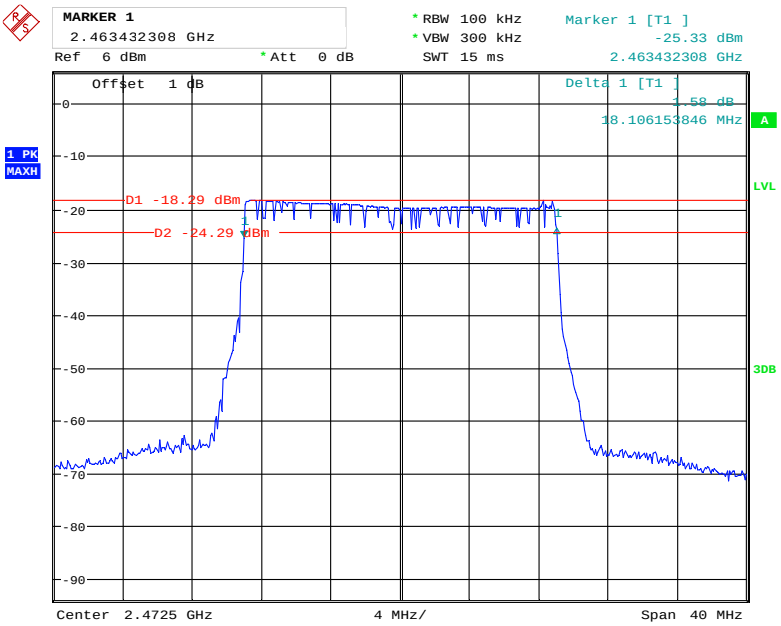
20M Middle Channel



Date: 22.NOV.2018 09:25:46

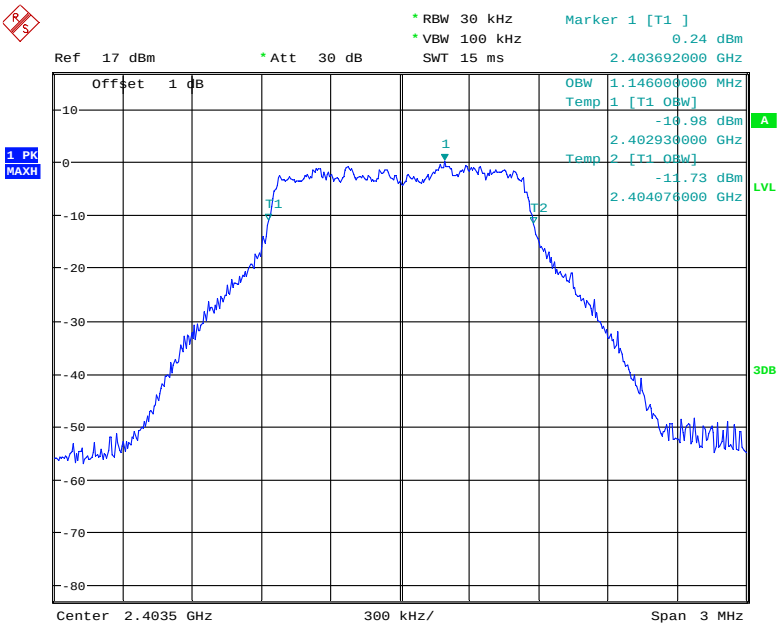
20M High Channel



Date: 22.NOV.2018 09:21:52

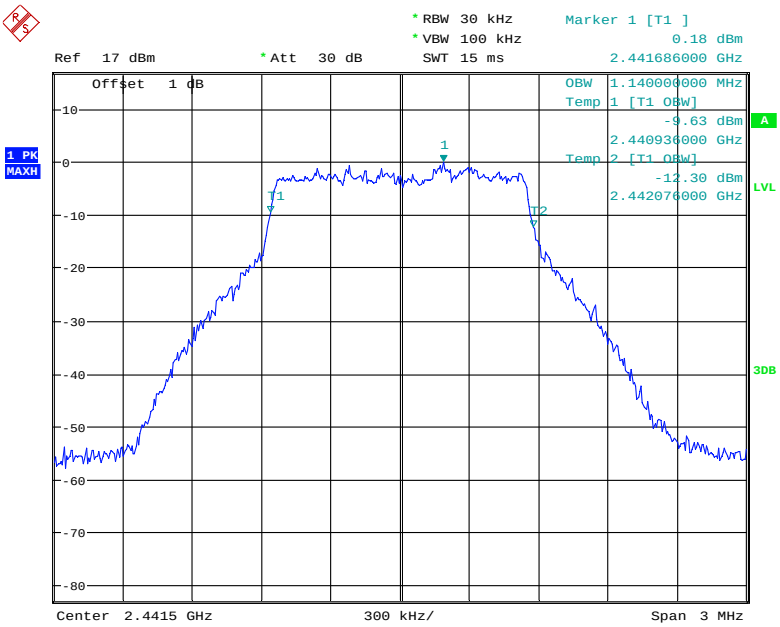
99% Occupied bandwidth:

1.4M Low Channel



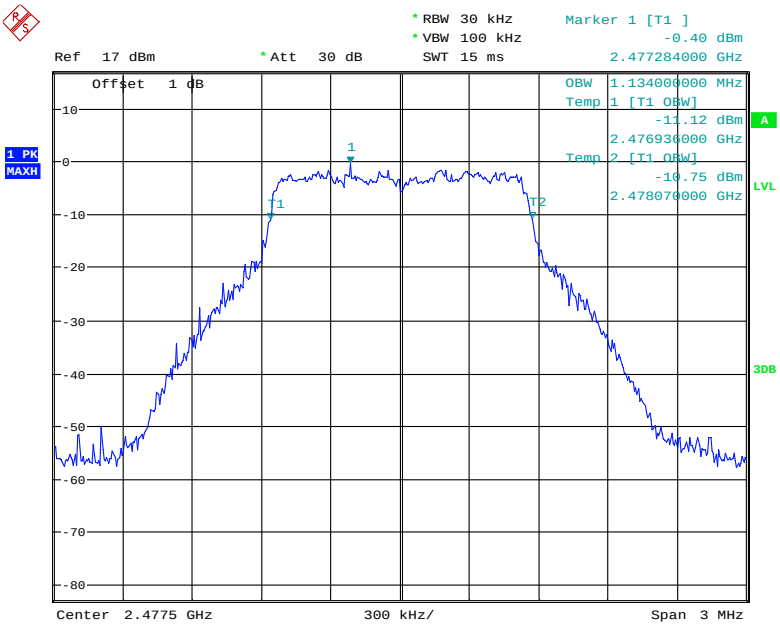
Date: 22.NOV.2018 09:37:40

1.4M Middle Channel



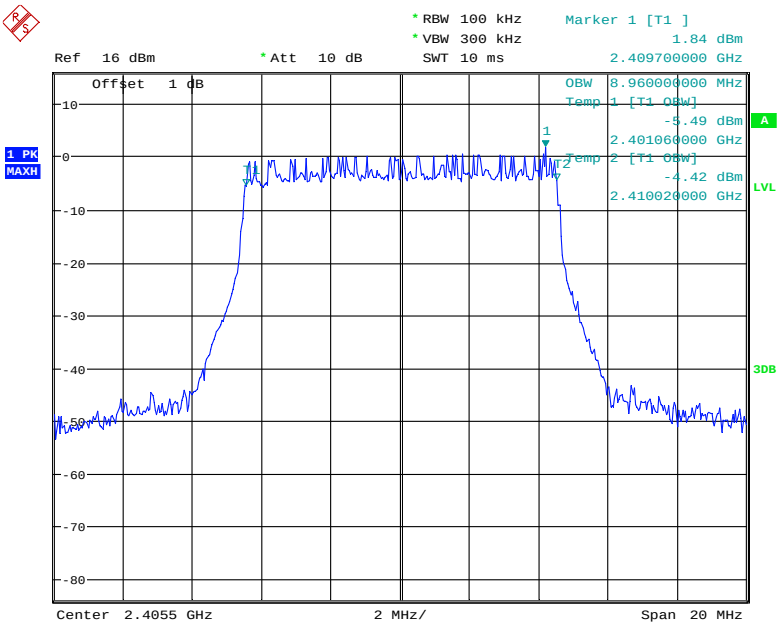
Date: 22.NOV.2018 09:37:56

1.4M High Channel



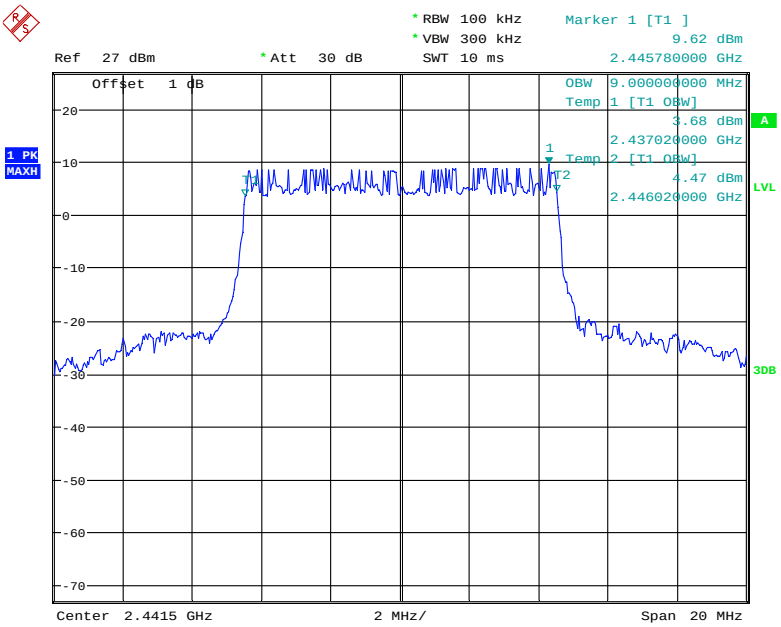
Date: 22.NOV.2018 09:38:14

10M Low Channel



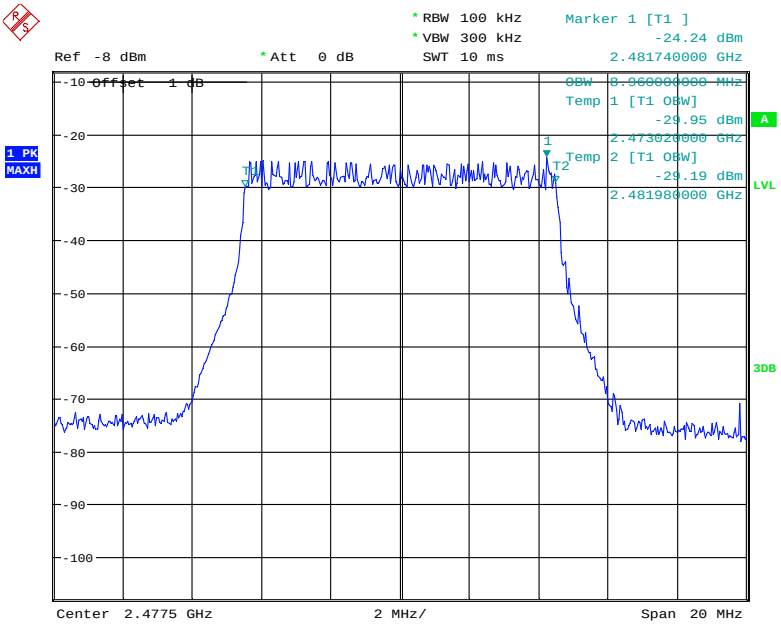
Date: 22.NOV.2018 09:39:41

10M Middle Channel



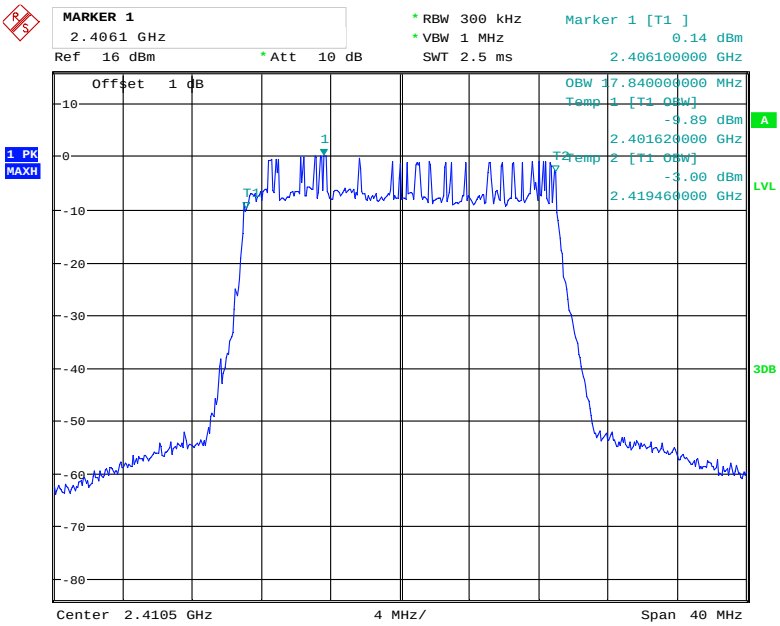
Date: 22.NOV.2018 09:38:49

10M High Channel



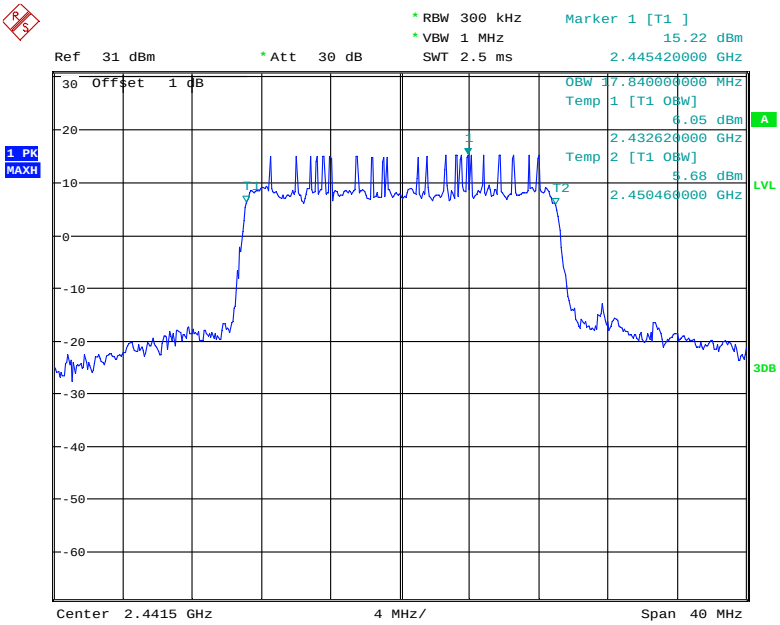
Date: 22.NOV.2018 09:40:11

20M Low Channel



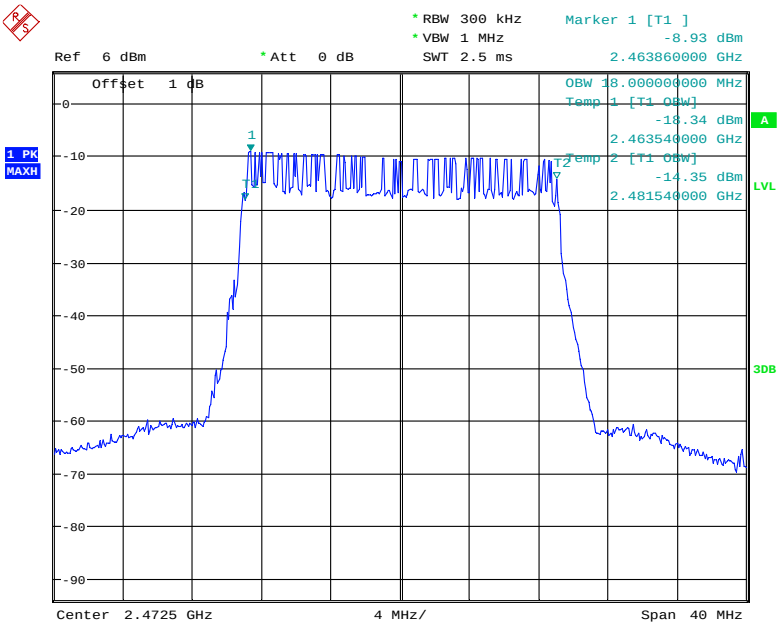
Date: 22.NOV.2018 09:41:28

20M Middle Channel



Date: 22.NOV.2018 09:43:07

20M High Channel



Date: 22.NOV.2018 09:42:35

FCC §15.247(b) (3)& RSS-247 CLAUSE 5.4 d) - MAXIMUM PEAK CONDUCTED OUTPUT POWER

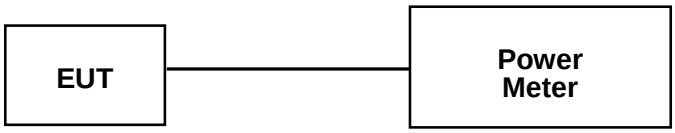
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

According to RSS-247§5.4 d) For DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W. Except as provided in Section 5.4(e), the e.i.r.p. shall not exceed 4 W.
As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power. The maximum conducted output power is the total transmit power delivered to all antennas and antenna elements, averaged across all symbols in the signalling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or transmitting at a reduced power level. If multiple modes of operation are implemented, the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to test equipment.
3. Add a correction factor to the display.
4. Set the power Meter to test Peak output power, record the result as peak power.
5. Set the power meter to test average output power, record the result as average power.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2022XA	MY5417006	2017-12-11	2018-12-11
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	2018-09-05	2019-09-05

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25.5 °C
Relative Humidity:	45 %
ATM Pressure:	100.6 kPa

** The testing was performed by Elena Lei on 2018-11-22.*

Test Mode: Transmitting

Test Result: Compliance. Please refer to the following table.

Mode	Frequency (MHz)	Peak Conducted Output Power (dBm)		Limit (dBm)
		Chain 0	Chain 1	
1.4MHz	2403.5	16.85	17.32	30
	2441.5	16.91	**17.58**	
	2477.5	16.69	17.56	
10MHz	2405.5	19.94	20.78	
	2406.5	20.47	21.21	
	2409.5	20.85	21.79	
	2410.5	21.65	22.85	
	2412.5	22.51	23.62	
	2415.5	23.73	24.06	
	2417.5	24.15	24.52	
	2419.5	24.69	24.74	
	2420.5	25.64	25.59	
	2441.5	25.76	**26.02**	
	2455.5	25.36	25.55	
	2456.5	24.13	23.26	
	2458.5	23.85	23.11	
	2460.5	23.15	22.89	
	2462.5	22.65	22.83	
	2463.5	22.14	22.36	
	2464.5	21.65	21.85	
	2465.5	20.95	21.45	
	2466.5	20.35	21.62	
	2468.5	19.85	21.03	
	2470.5	19.45	20.75	
	2471.5	19.25	20.20	
	2472.5	17.36	18.02	
	2473.5	16.85	17.52	
	2474.5	15.23	15.44	
	2475.5	11.53	11.83	
	2476.5	7.51	8.38	
	2477.5	-6.05	-5.66	

Mode	Frequency (MHz)	Peak Conducted Output Power (dBm)		Limit (dBm)
		Chain 0	Chain 1	
20MHz	2410.5	13.95	15.58	30
	2411.5	15.54	16.81	
	2412.5	16.93	18.10	
	2414.5	17.96	19.32	
	2416.5	19.58	20.25	
	2417.5	20.54	21.15	
	2419.5	21.05	21.96	
	2421.5	22.14	22.84	
	2423.5	23.42	23.19	
	2425.5	23.85	23.98	
	2427.5	24.05	24.15	
	2429.5	21.63	24.85	
	2430.5	24.96	25.24	
	2435.5	25.02	25.36	
	2439.5	25.11	25.84	
	2441.5	25.17	**26.13**	
	2443.5	24.85	25.69	
	2445.5	24.52	25.16	
	2446.5	24.10	24.84	
	2447.5	23.85	24.09	
	2448.5	23.40	23.78	
	2450.5	22.95	23.03	
	2453.5	22.31	22.17	
	2455.5	21.28	21.41	
	2457.5	20.85	20.96	
	2459.5	20.11	20.27	
	2461.5	19.55	19.76	
	2463.5	18.94	19.32	
	2465.5	17.69	18.27	
	2467.5	16.74	17.43	
	2468.5	15.69	16.66	
	2469.5	11.50	12.14	
	2471.5	8.95	10.38	
	2472.5	3.65	4.27	

Note: Antenna gain is 2.29dBi.

FCC §15.247(d)& RSS-247 CLAUSE 5.5 – 100 kHz BANDWIDTH OF FREQUENCY BAND EDGE

Applicable Standard

According to FCC§15.247(d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to RSS-247 Clause 5.5:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	2018-09-05	2019-09-05

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

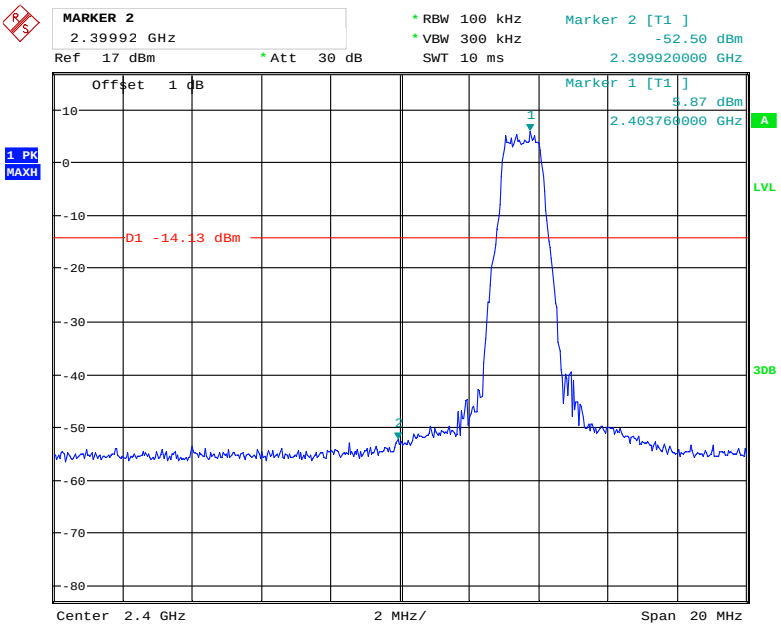
Environmental Conditions

Temperature:	25.5 °C
Relative Humidity:	45 %
ATM Pressure:	100.6 kPa

** The testing was performed by Elena Lei on 2018-11-22.*

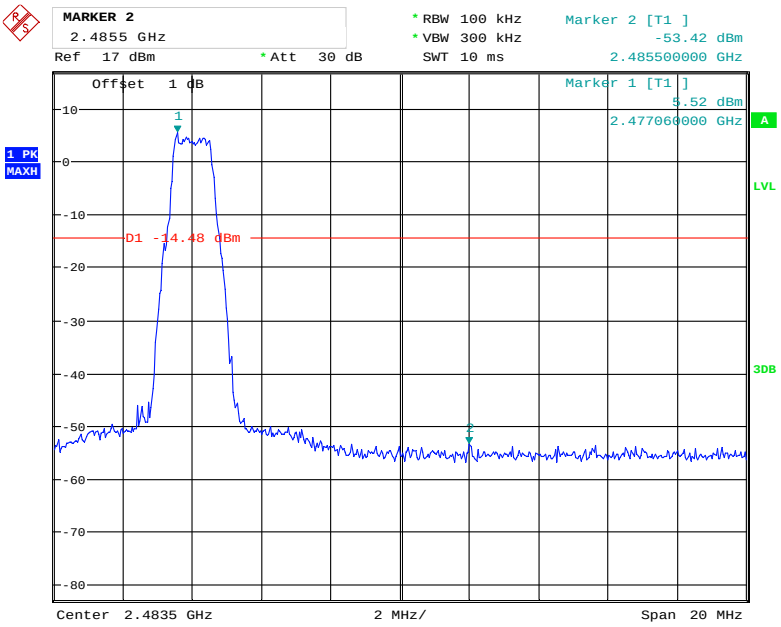
Test mode: Transmitting
Test Result: Compliance. Please refer to following plots.

Chain 0, 1.4MHz: Band Edge, Left Side



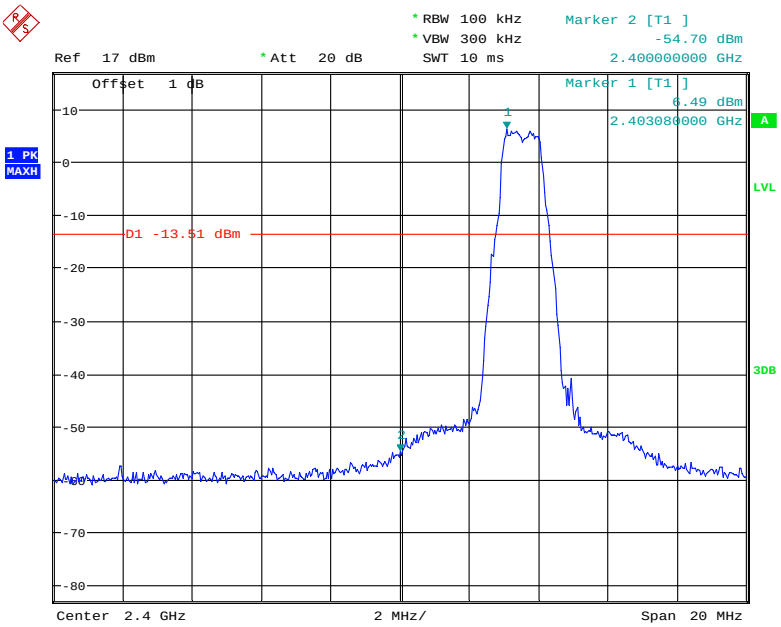
Date: 22.NOV.2018 09:35:43

Chain 0, 1.4MHz: Band Edge, Right Side



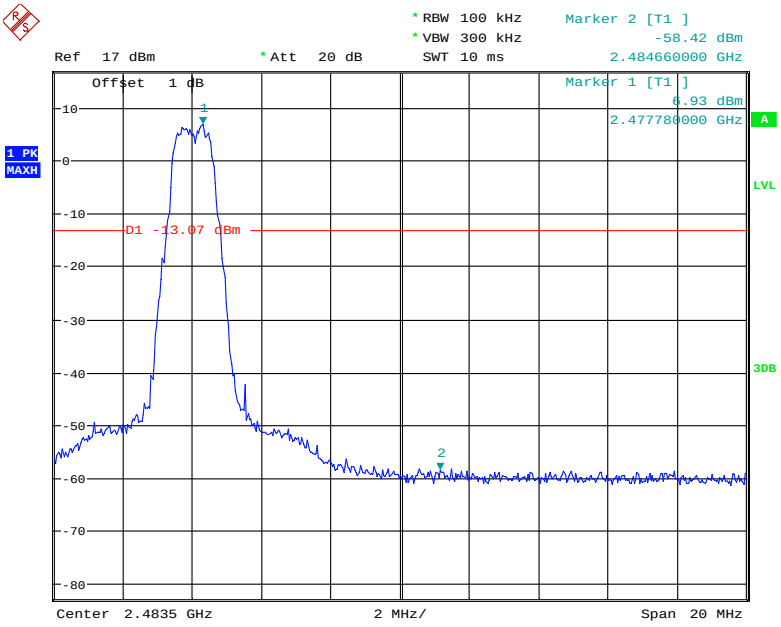
Date: 22.NOV.2018 09:34:06

Chain 1, 1.4MHz: Band Edge, Left Side



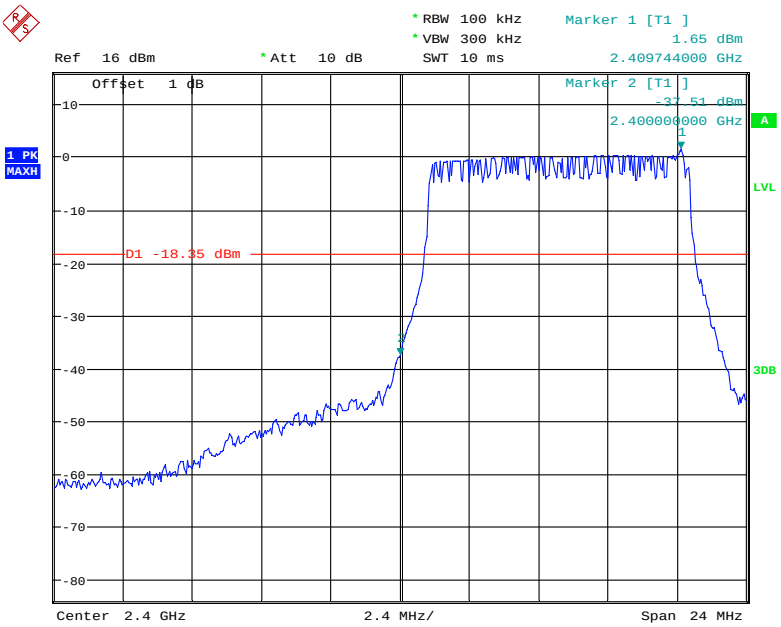
Date: 22.NOV.2018 10:53:45

Chain 1, 1.4MHz : Band Edge, Right Side



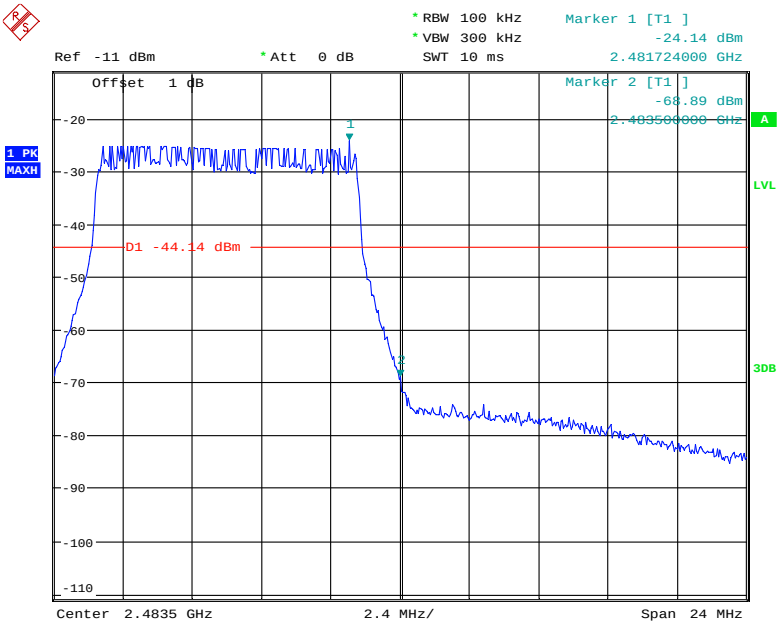
Date: 22.NOV.2018 10:54:22

Chain 0, 10M: Band Edge, Left Side



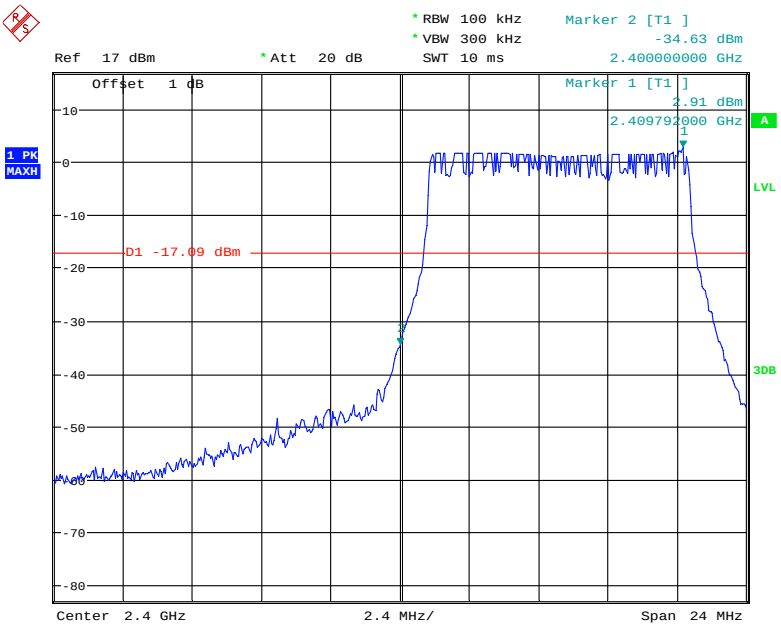
Date: 22.NOV.2018 09:31:49

Chain 0, 10M: Band Edge, Right Side



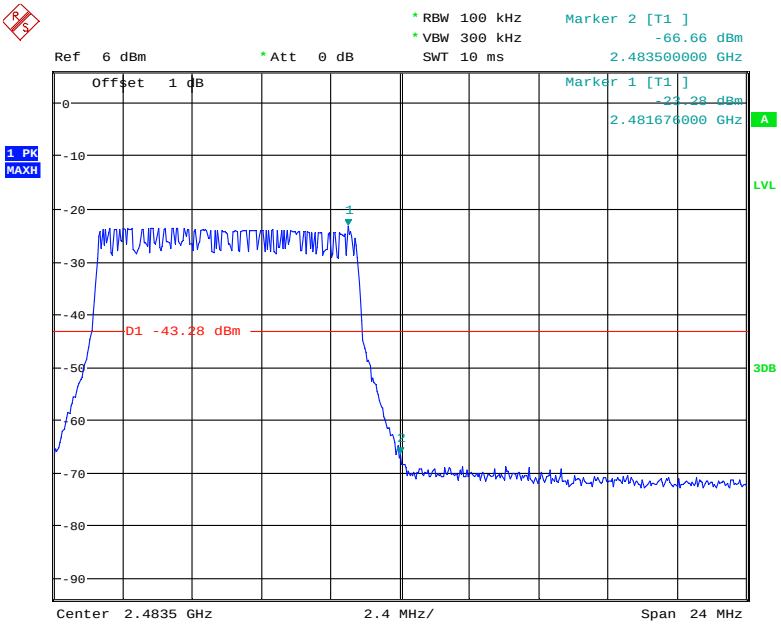
Date: 22.NOV.2018 09:32:53

Chain 1, 10M: Band Edge, Left Side



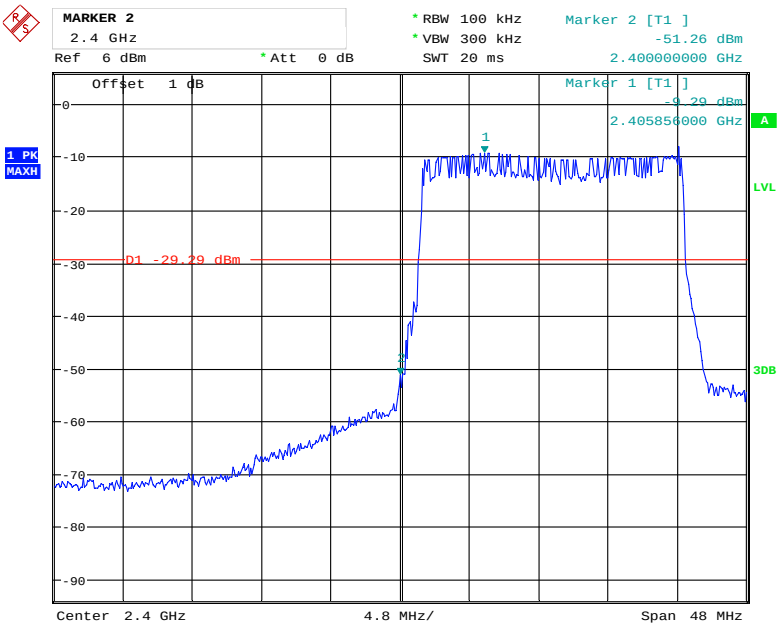
Date: 22.NOV.2018 10:52:05

Chain 1, 10M: Band Edge, Right Side



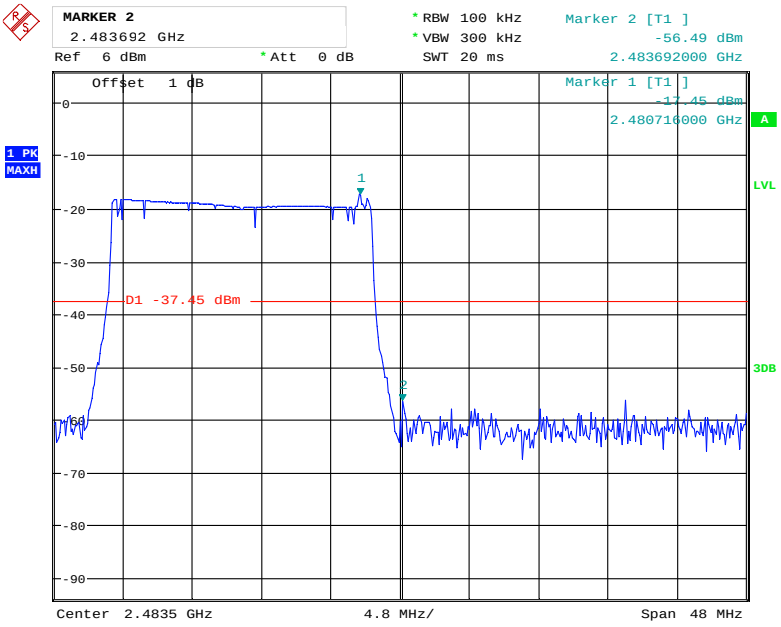
Date: 22.NOV.2018 10:50:49

Chain 0, 20M: Band Edge, Left Side



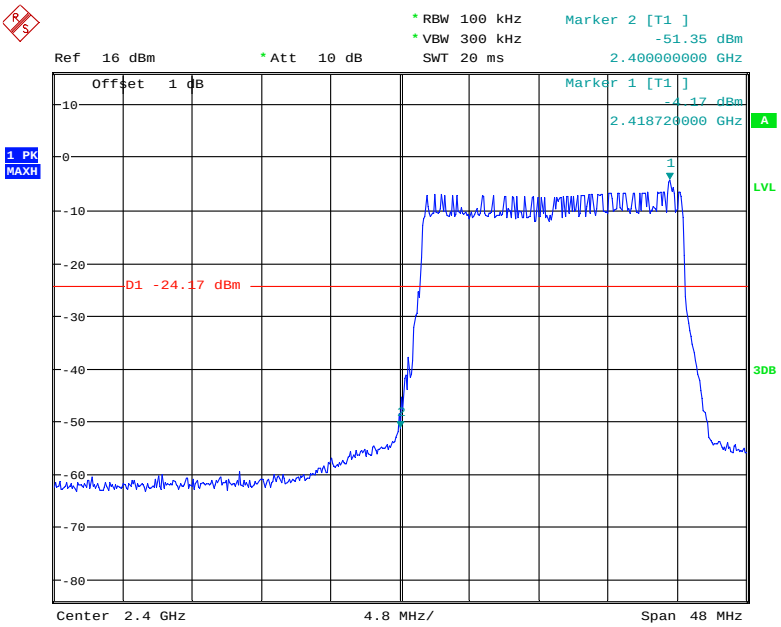
Date: 22.NOV.2018 09:30:27

Chain 0, 20M: Band Edge, Right Side



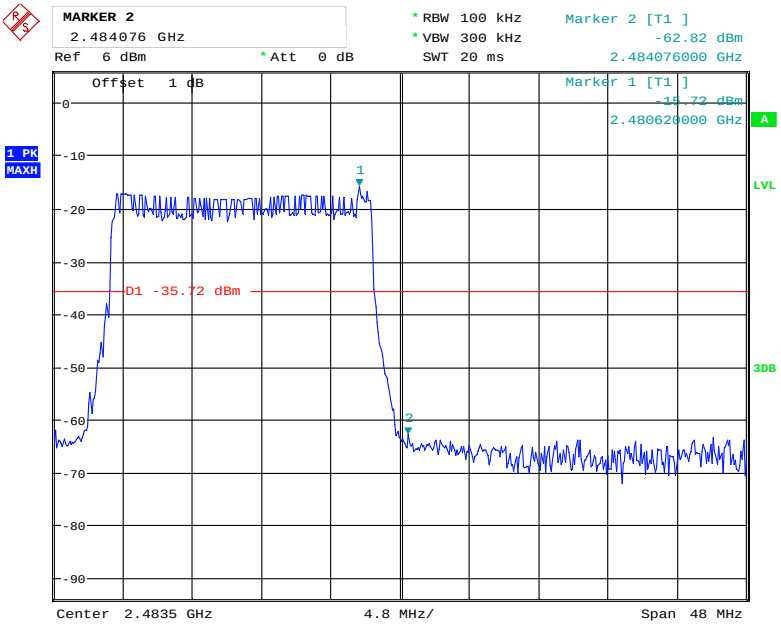
Date: 22.NOV.2018 09:29:41

Chain 1, 20M: Band Edge, Left Side



Date: 22.NOV.2018 10:48:52

Chain 1, 20M: Band Edge, Right Side



Date: 22.NOV.2018 10:49:52

FCC §15.247(e) & RSS-247 CLAUSE 5.2 b - POWER SPECTRAL DENSITY

Applicable Standard

According to FCC§15.247(e):For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

According to RSS-247 Clause 5.2 b):

b) The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 5.4(d), (i.e. the power spectral density shall be determined using the same method as is used to determine the conducted output power).

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set the RBW = 3 kHz, VBW = 10 kHz, Set the span to 1.5 times the DTS bandwidth.
4. Use the peak marker function to determine the maximum amplitude level.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2018-01-04	2019-01-04
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	2018-09-05	2019-09-05

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	25.5 °C
Relative Humidity:	45 %
ATM Pressure:	100.6 kPa

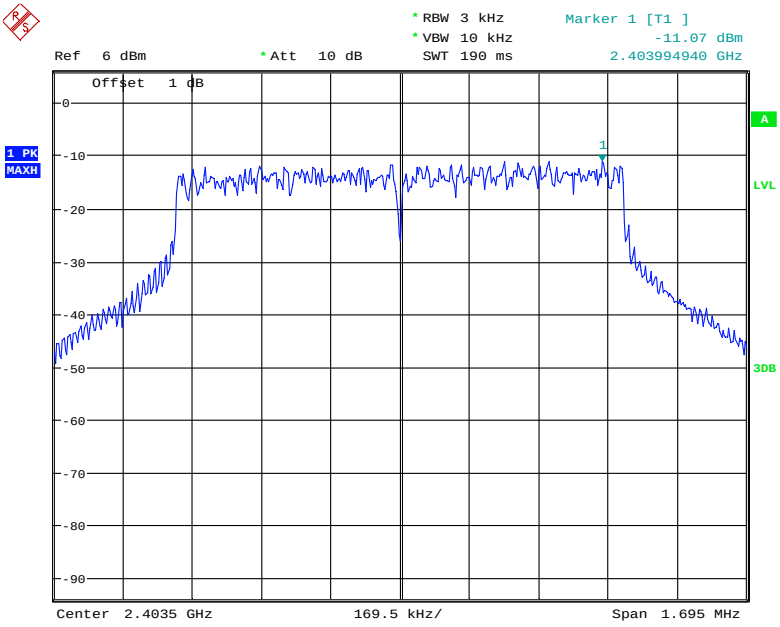
** The testing was performed by Elena Lei on 2018-11-22.*

Test Mode: Transmitting

Test Result: Compliance. Please refer to the following table and plots

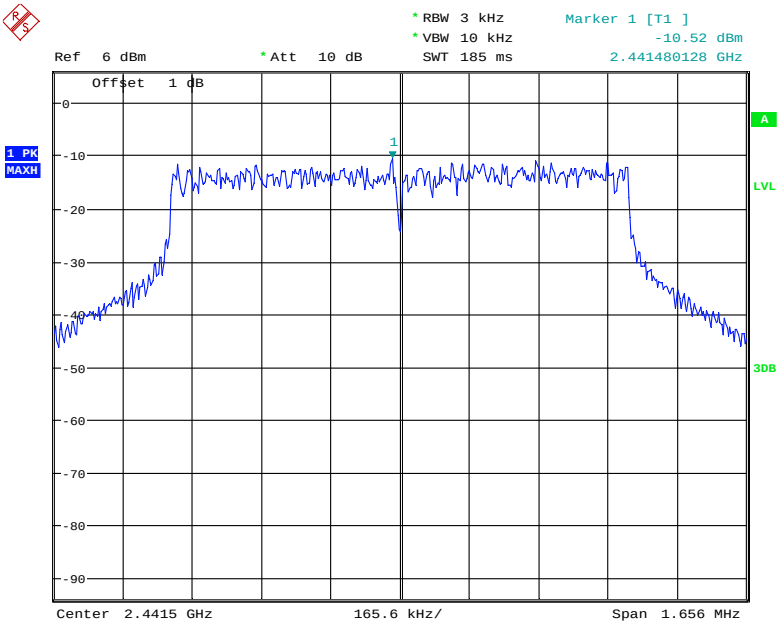
Test mode	Channel	Frequency (MHz)	Reading (dBm/3kHz)		Limit (dBm/3kHz)
			Chain 0	Chain 1	
1.4MHz	Low	2403.5	-11.07	-10.89	≤8
	Middle	2441.5	-10.52	-10.41	≤8
	High	2477.5	-11.07	-9.83	≤8
10MHz	Low	2405.5	-17.45	-16.32	≤8
	Middle	2441.5	-8.95	-8.49	≤8
	High	2477.5	-42.97	-41.70	≤8
20MHz	Low	2410.5	-27.12	-25.16	≤8
	Middle	2441.5	-11.47	-11.65	≤8
	High	2472.5	-35.24	-35.24	≤8

Power Spectral Density, Chain 0, 1.4M Low Channel



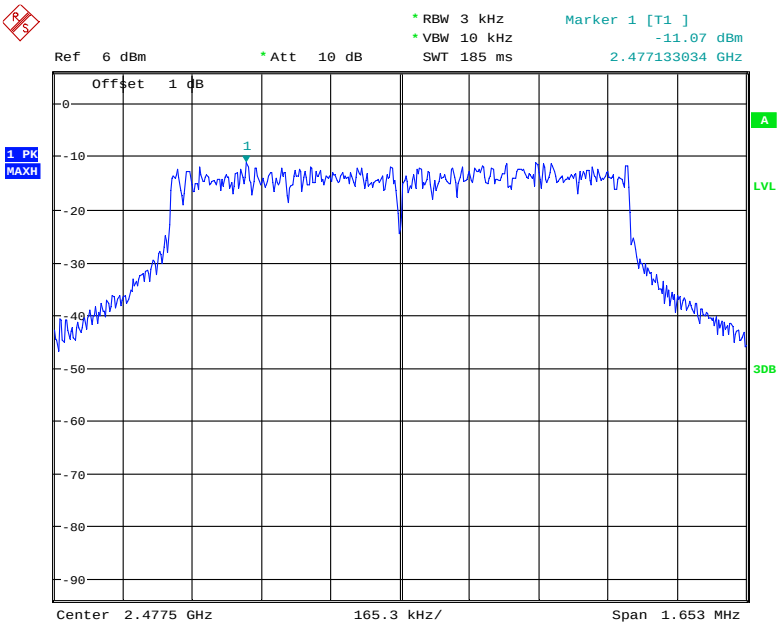
Date: 22.NOV.2018 09:50:22

Power Spectral Density, Chain 0, 1.4M Middle Channel



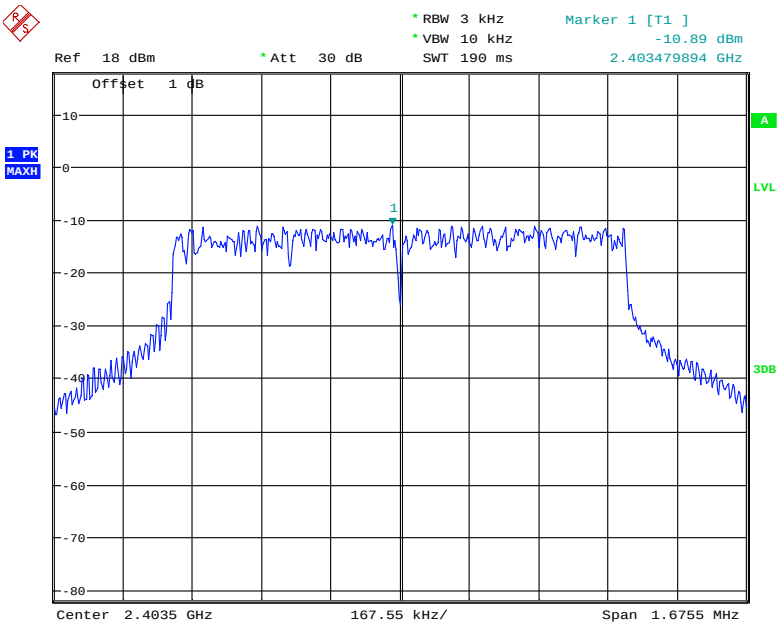
Date: 22.NOV.2018 09:51:40

Power Spectral Density, Chain 0, 1.4M High Channel



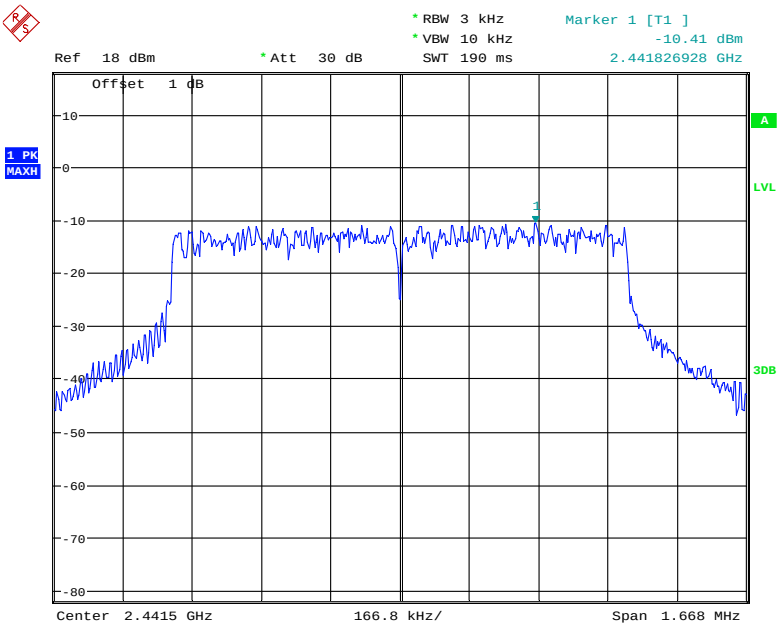
Date: 22.NOV.2018 09:52:19

Power Spectral Density, Chain 1, 1.4M Low Channel



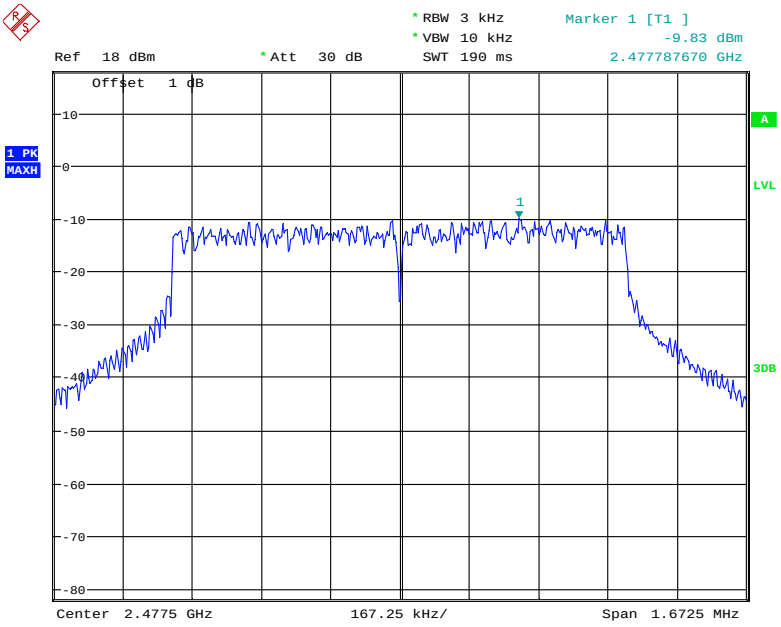
Date: 22.NOV.2018 11:20:28

Power Spectral Density, Chain 1, 1.4M Middle Channel



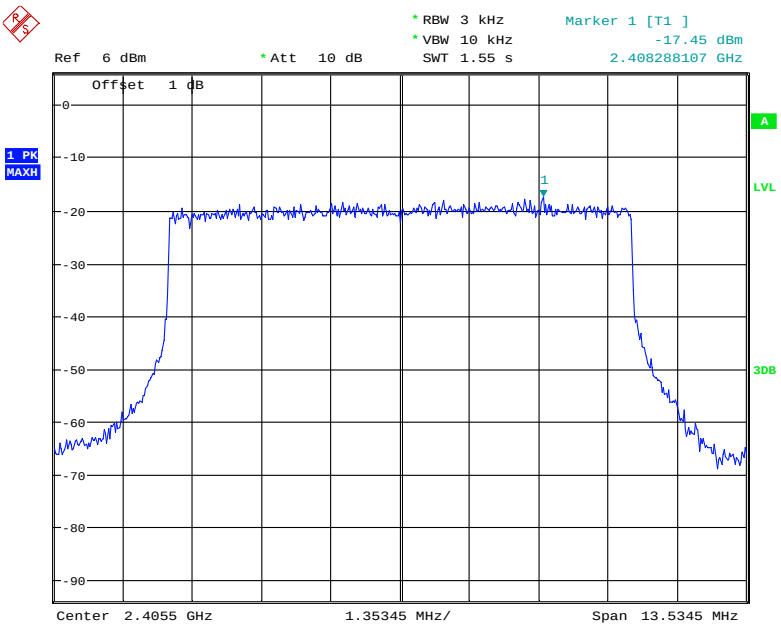
Date: 22.NOV.2018 11:21:01

Power Spectral Density, Chain 1, 1.4M High Channel



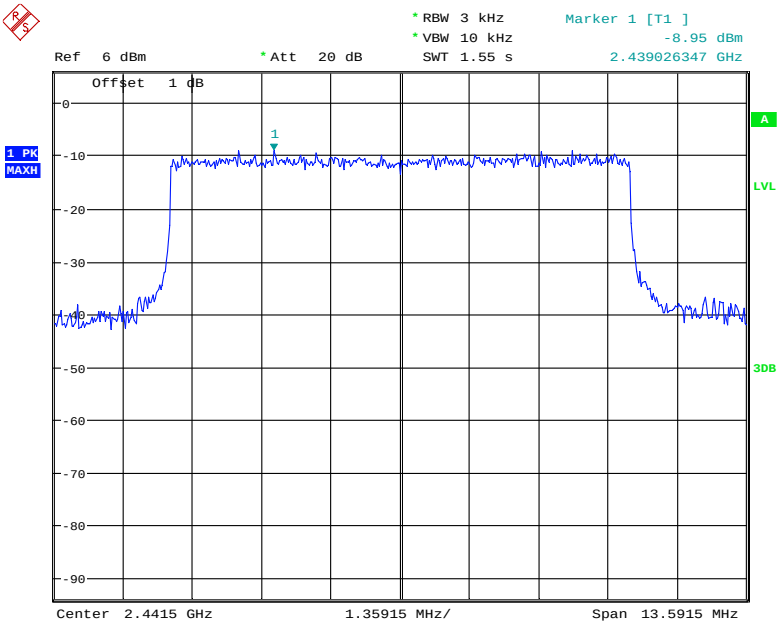
Date: 22.NOV.2018 11:21:41

Power Spectral Density, Chain 0, 10M Low Channel



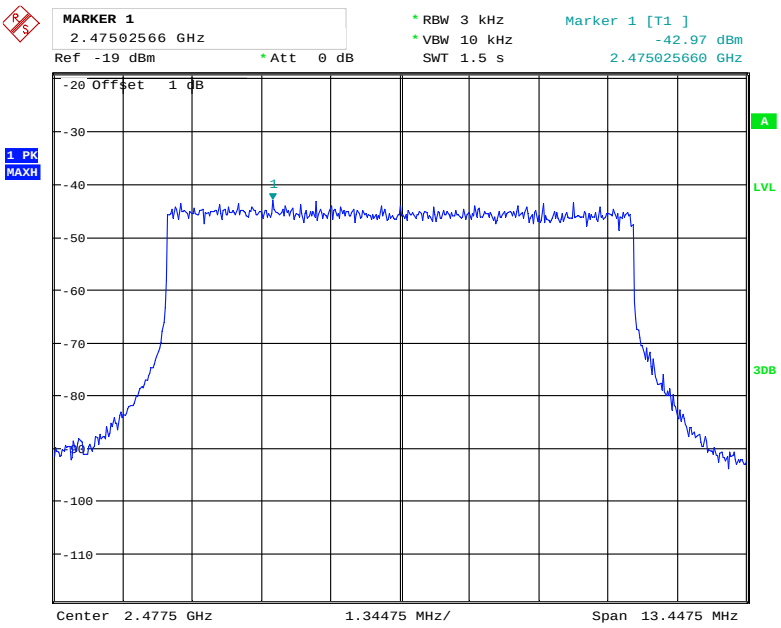
Date: 22.NOV.2018 09:53:27

Power Spectral Density, Chain 0, 10M Middle Channel



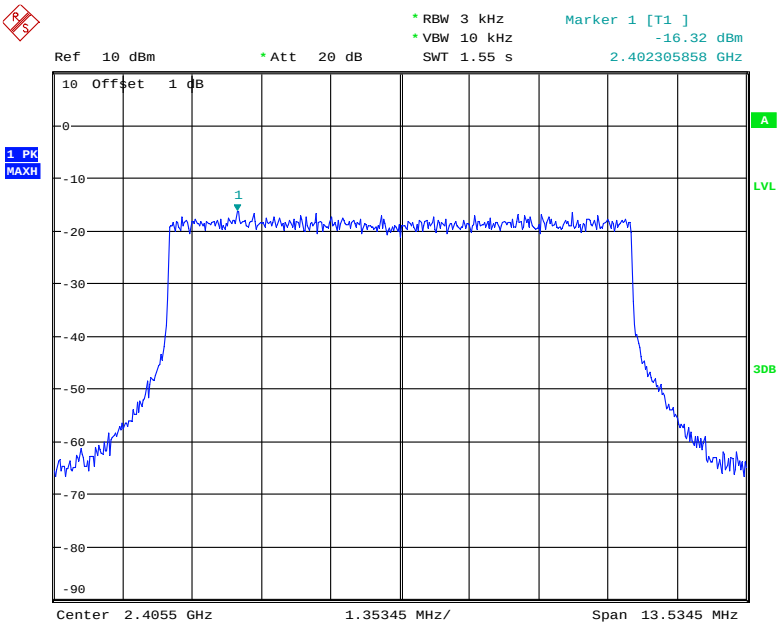
Date: 22.NOV.2018 09:56:06

Power Spectral Density, Chain 0, 10M High Channel



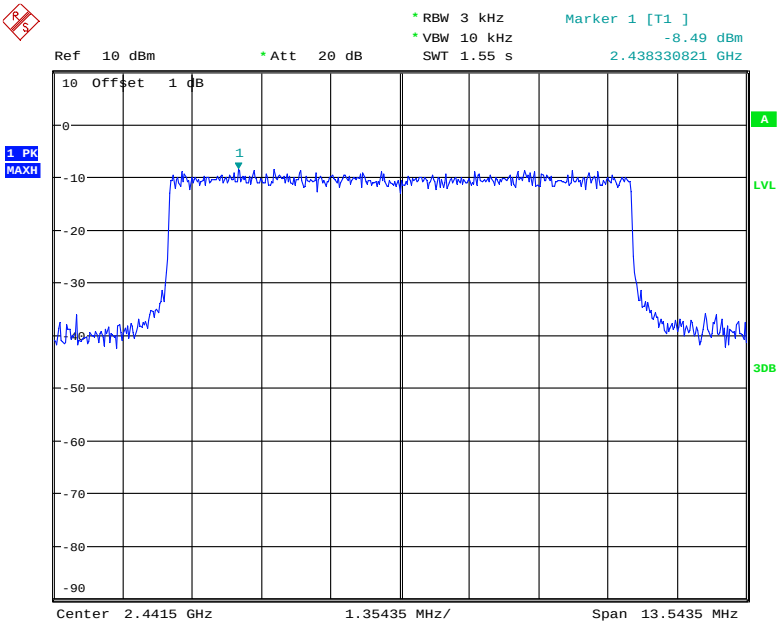
Date: 22.NOV.2018 09:57:40

Power Spectral Density, Chain 1, 10M Low Channel



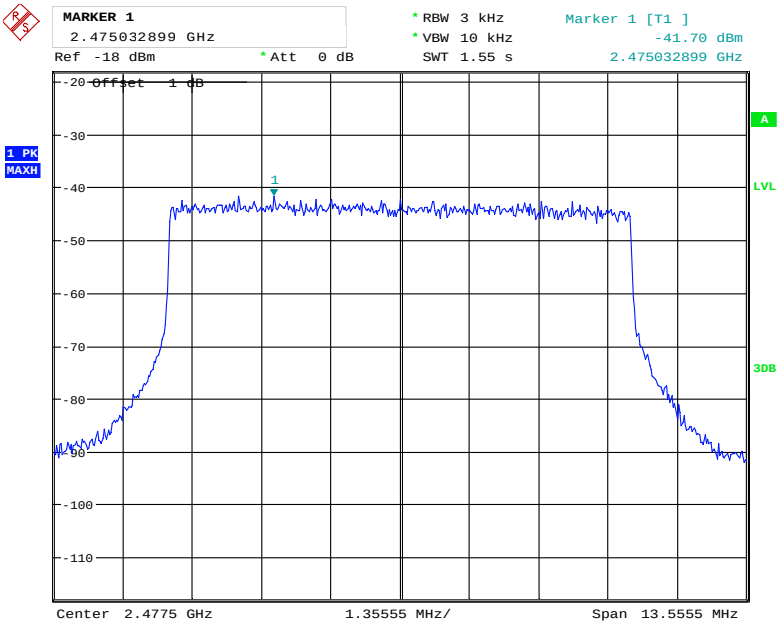
Date: 22.NOV.2018 11:16:59

Power Spectral Density, Chain 1, 10M Middle Channel



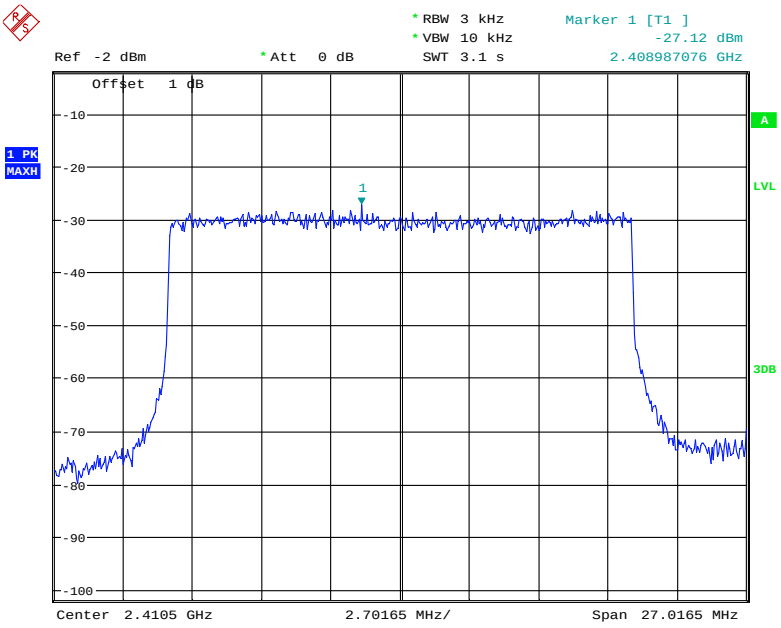
Date: 22.NOV.2018 11:18:18

Power Spectral Density, Chain 1, 10M High Channel



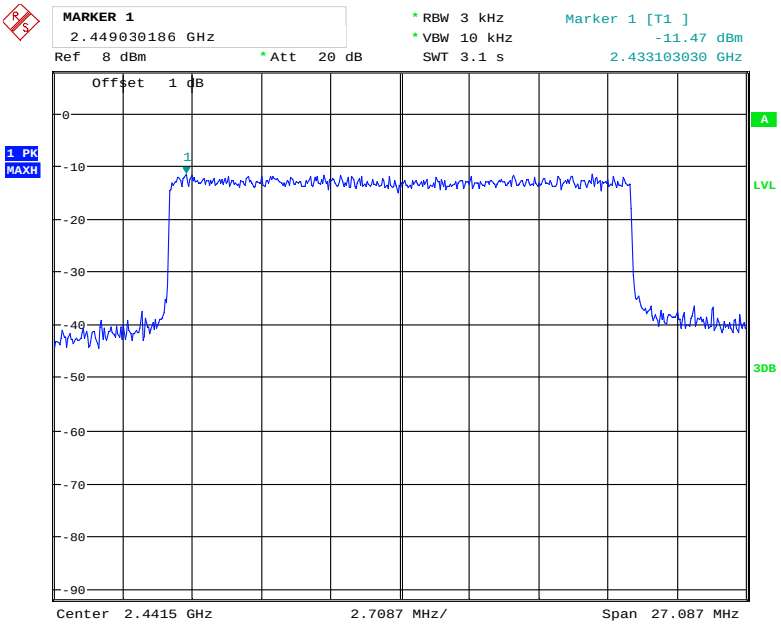
Date: 22.NOV.2018 11:19:17

Power Spectral Density, Chain 0, 20M Low Channel



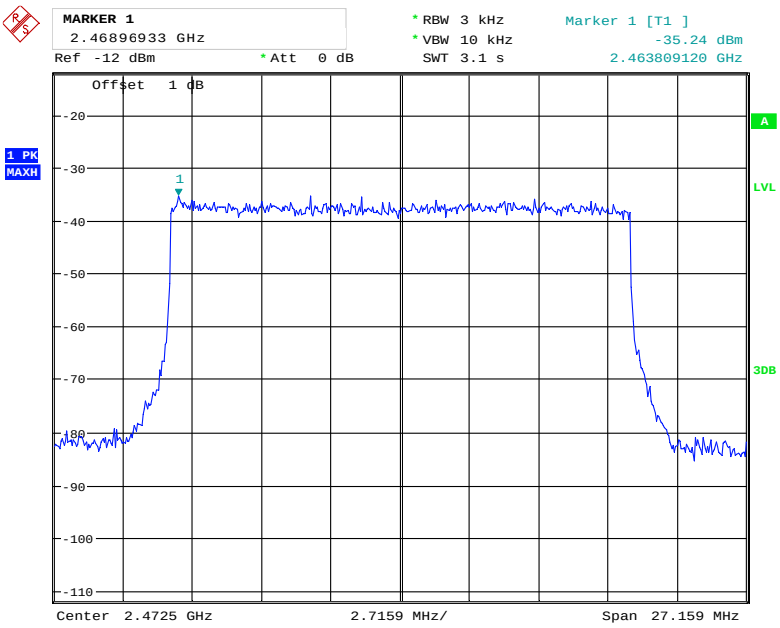
Date: 22.NOV.2018 09:58:34

Power Spectral Density, Chain 0, 20M Middle Channel



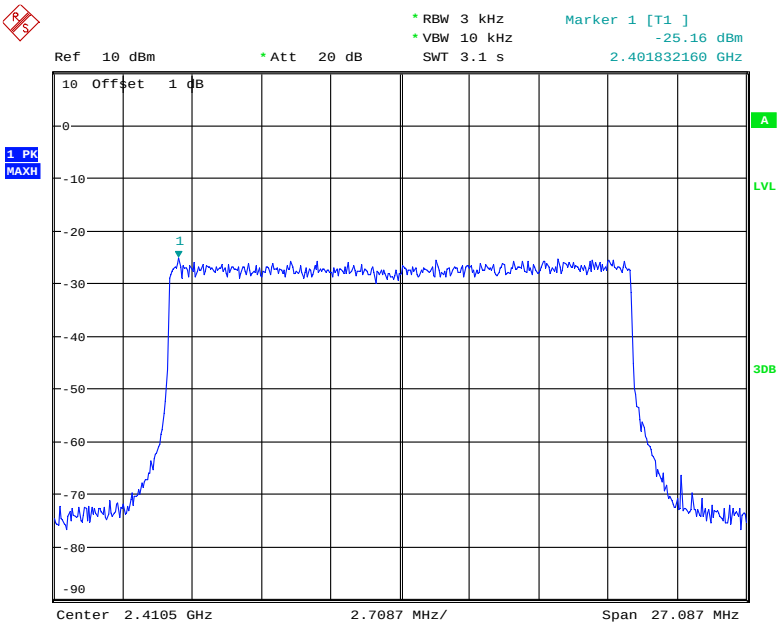
Date: 22.NOV.2018 11:27:53

Power Spectral Density, Chain 0, 20M High Channel



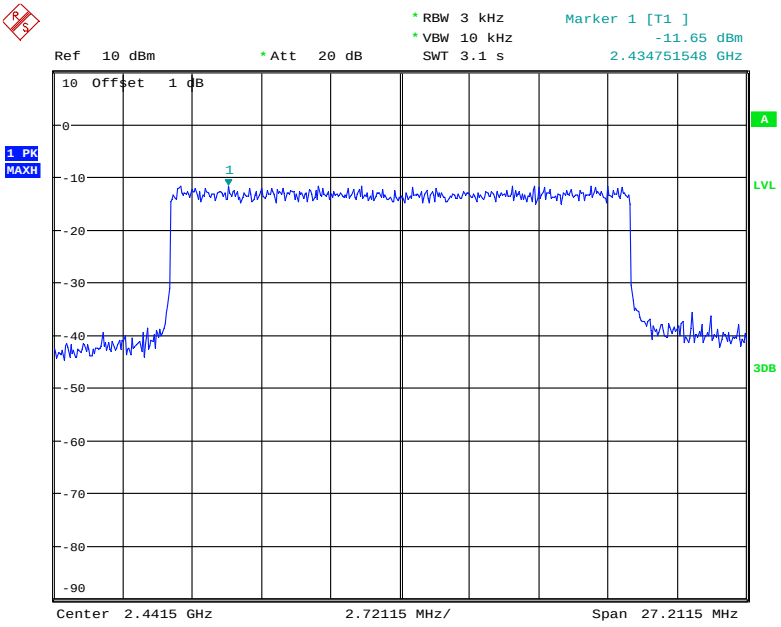
Date: 22.NOV.2018 11:26:22

Power Spectral Density, Chain 1, 20M Low Channel



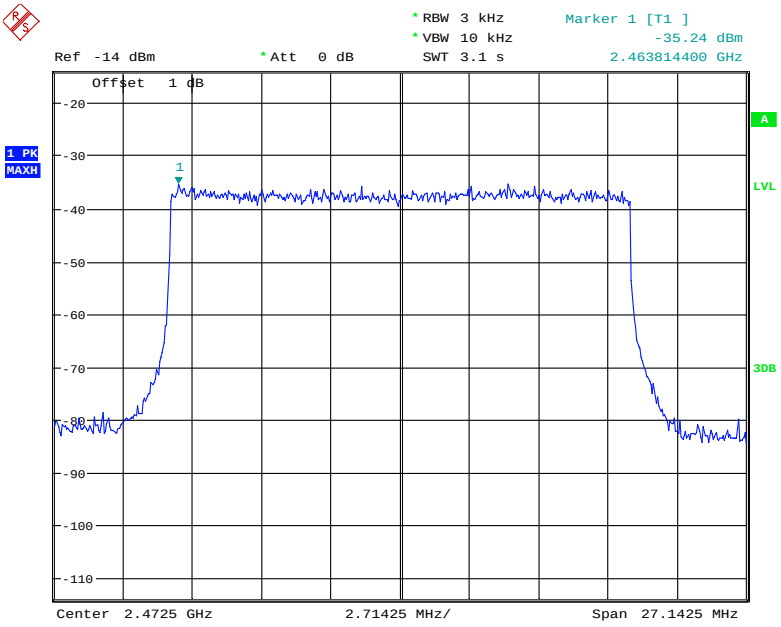
Date: 22.NOV.2018 11:16:17

Power Spectral Density, Chain 1, 20M Middle Channel



Date: 22.NOV.2018 11:14:25

Power Spectral Density, Chain 1, 20M High Channel



Date: 22.NOV.2018 11:10:24

******* END OF REPORT *******