RF TEST REPORT

Test item	:	WiMAX Mobile Router
Model No.	:	IMW-C910W
Order No.	:	DEMC1206-00925
Date of receipt	:	2012-06-20
Test duration	:	2012-10-08 ~ 2012-10-29
Date of issue	:	2012-11-01
Use of report	:	FCC Original Grant

Applicant : Infomark Co., Ltd.
#801, KINS Tower, 25-1, Jeongja-Dong, Bundang-Gu, Seongnam-Si Gyeonggi-do, Korea, 137-130

Test laboratory : Digital EMC Co., Ltd.
683-3, Yubang-Dong, Cheoin-Gu, Yongin-Si, Kyunggi-Do, 449-080, Korea

Test specification	:	FCC Part 27
Test environment	:	See appended test report
Test result	:	☒ Pass ☐ Fail

Tested by:	Witnessed by:	Reviewed by:
Engineer Jae-Jin, Lee	N/A	Deputy General Manager Won-Jung, Lee

CONTENTS

1. Equipment information

1.1 Equipment description

FCC Equipment Class	Licensed Non-Broadcast Station Transmitter(TNB)
FCC ID	YCO-IMW-C910WJ
Equipment type	WiMAX Mobile Router
Equipment model name	IMW-C910W
Equipment add model name	N/A
Equipment serial no.	Identical prototype
Associated Channel BW	5MHz, 10MHz
Frequency band	5MHz: 2499.00 ~ 2686.75MHz 10MHz: 2508.50 ~ 2683.50MHz
Zone format	PUSC
DL:UL symbol rate	29:18
Modulation technology	OFDMA
Modulation type(Coding rate)	QPSK (QPSK1/2, QPSK3/4) 16QAM (16QAM1/2, 16QAM3/4) 64QAM (64QAM 1/2, 64QAM 2/3, 64QAM 3/4, 64QAM 5/6)
Antenna type	Internal Type - Main Antenna: Max. Peak Gain: 2.72dBi - Sub Antenna: Max. Peak Gain:1.27dBi
Power Supply	DC 3.7 V

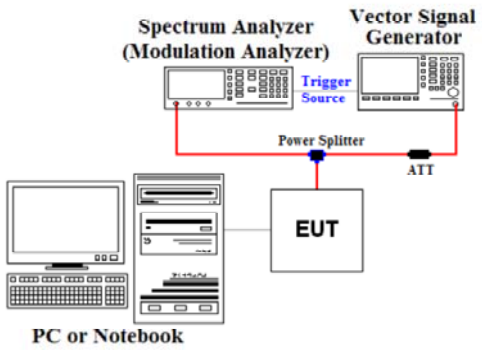
1.2 Ancillary equipment

Equipment	Model No.	Serial No.	Manufacturer	Note
-	-	-	-	-
-	-	-	-	-

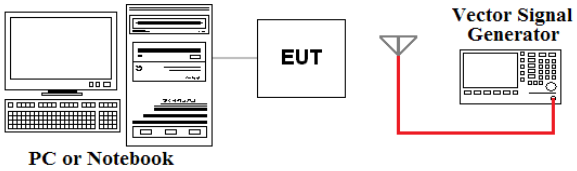
2. Information about test items

2.1 Test set-up configuration

The test set-up for RF testing is shown in the below picture. This device is connected to USB port of the notebook computer.



Conducted measurement test set-up



Radiated measurement test set-up

A PC(or Notebook) controls EUT to transmit rated output power under appropriate transmission mode and specific frequency. A telnet program is used for verifying a connection status between notebook computer and EUT and to control maximum transmitting power, channel selection, bandwidth. A vector signal generator(VSG) is used to supply the WiMAX signal sources to a EUT and an external trigger source to a spectrum analyzer. The trigger is set in such a way that the analyzer records power measurements only during the times in which the EUT is transmitting.

The WiMAX signal sources are provided by chipset manufacturer(GCT) as below,

OBW	File name	
	PUSC Zone	AMC Zone
5MHz	5MHz_UL_QPSK_12	N/A
	5MHz_UL_QPSK_34	N/A
	5MHz_UL_16QAM_12	N/A
	5MHz_UL_16QAM_34	N/A
	5MHz_UL_64QAM_12	N/A
	5MHz_UL_64QAM_23	N/A
	5MHz_UL_64QAM_34	N/A
	5MHz_UL_64QAM_56	N/A
10MHz	10MHz_UL_QPSK_12	N/A
	10MHz_UL_QPSK_34	N/A
	10MHz_UL_16QAM_12	N/A
	10MHz_UL_16QAM_34	N/A
	10MHz_UL_64QAM_12	N/A
	10MHz_UL_64QAM_23	N/A
	10MHz_UL_64QAM_34	N/A
	10MHz_UL_64QAM_56	N/A

The WiMAX signal sources have 29:18 symbol ratio(Downlink : Uplink). This device will transmit control signaling at the first 3 uplink symbols and then use the rest of the uplink symbols for data traffic bursts in the uplink sub-frame. Measurements were taken in the 29:18 ratio, but since there was no energy in the control symbols, the effective power is only across 15 data symbols.

2.2 Auxiliary equipment

Equipment	Model No.	Serial No.	Manufacturer	Note
Notebook	X51RL	85N0AS318314227	ASUSTeK Computer Inc.	-
-	-	-	-	-

2.3 Tested frequency

	Frequency (MHz)	
	OBW: 5MHz	**OBW: 10MHz**
Lowest Frequency	2499.00	2508.50
Middle Frequency	2600.00	2600.00
Highest Frequency	2686.75	2683.50

2.4 Tested environment

Temperature	:	21 ~ 24 °C
Relative humidity content	:	45 ~ 49 % R.H.
Details of power supply	:	DC 3.7 V

2.5 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing
→ None

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Test Condition	Status Note 1
2.1049	Occupied Bandwidth	Conducted	C
2.1046 27.50(h),(2)	Equivalent Isotropic Radiated Power		C
2.1051 27.53(m),(4) & (6)	Band Edge		C
2.1051 27.53(m),(4) & (6)	Conducted Spurious Emissions		C
2.1055 27.54	Frequency Stability		C
2.1051 27.53(m),(4) & (6)	Radiated Spurious Emissions	Radiated	C Note 2

Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable

Note 2: This test item was performed in each axis and the worst case data were reported.

The sample was tested according to the following specification:
ANSI C-63.4-2003

3.2 Test Result

3.2.1 Occupied Bandwidth

- Procedure:

The bandwidth was measured by spectrum analyzer with RBW = 51KHz(for the Associated Channel BW = 5MHz) and RBW = 100KHz(for the Associated Channel BW = 10MHz).

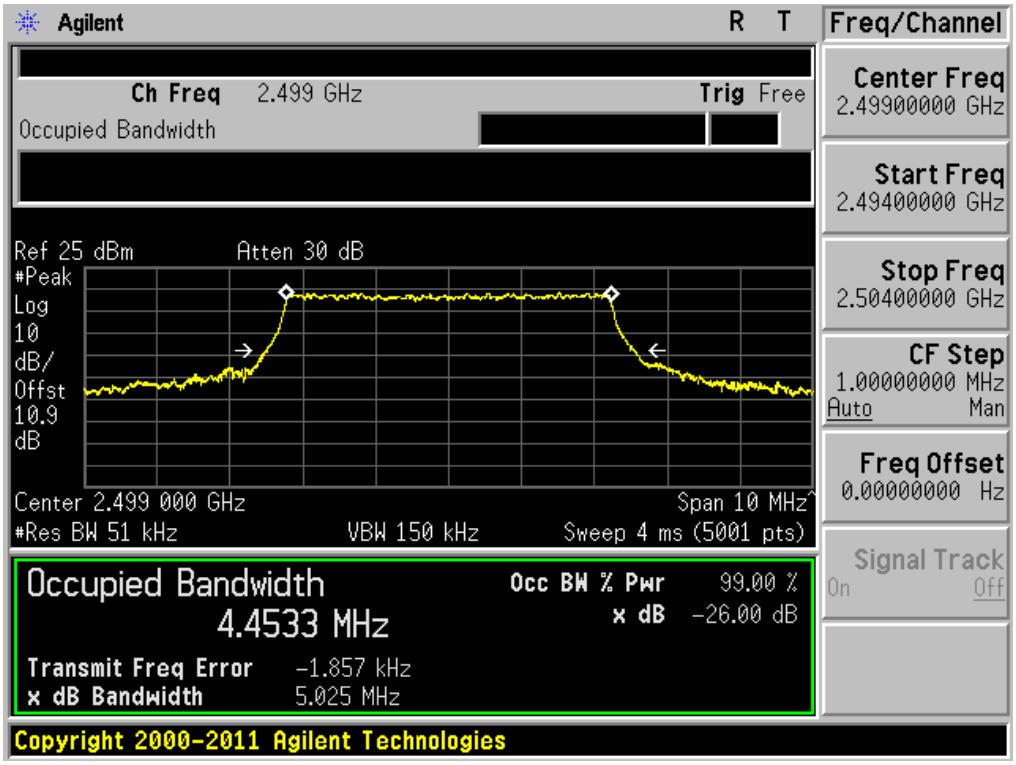
- Measurement Data:

Zone Format	Modulation Type	OBW: 5MHz			OBW: 10MHz		
		Lowest frequency	Middle frequency	Highest frequency	Lowest frequency	Middle frequency	Highest frequency
PUSC	QPSK1/2	***4.453***	***4.459***	4.706	9.102	9.099	9.107
	QPSK3/4	4.439	4.442	***4.712***	9.103	9.096	9.107
	16QAM1/2	4.445	4.447	4.443	9.093	9.111	9.116
	16QAM3/4	4.451	4.440	4.456	9.090	9.083	9.114
	64QAM1/2	4.440	4.439	4.442	***9.117***	***9.135***	***9.133***
	64QAM2/3	4.442	4.429	4.438	9.109	9.096	9.108
	64QAM3/4	4.447	4.443	4.445	9.102	9.095	9.086
	64QAM5/6	4.445	4.437	4.438	9.097	9.102	9.108

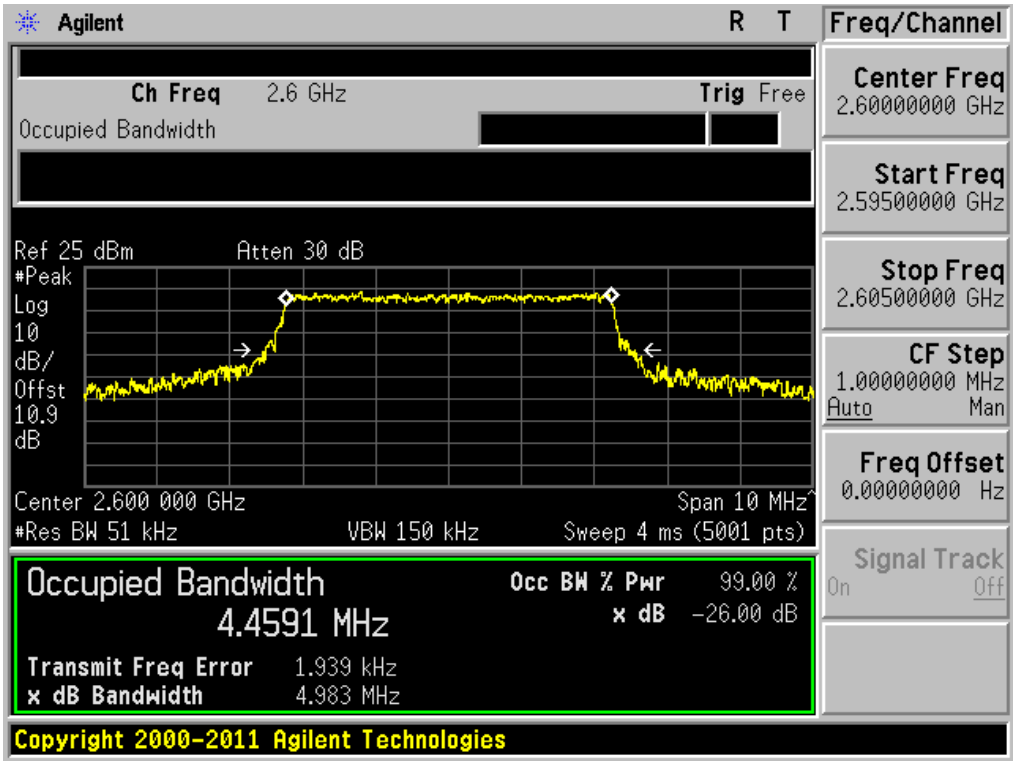
Note 1: This test item was performed in the worst case antenna port. (Worst case antenna port = Main antenna port). See next pages for above worst case test plots.

- **Minimum Standard: N/A**

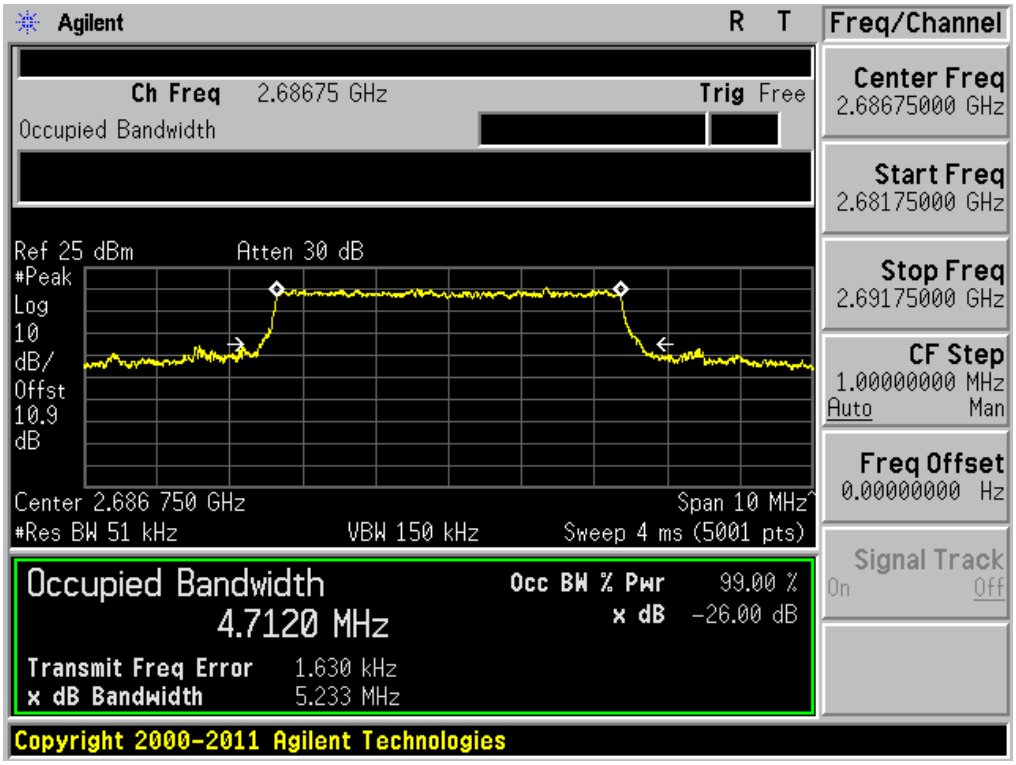
99% OBW OBW: 5MHz & Lowest Frequency & PUSC Zone & QPSK1/2 & Main Antenna



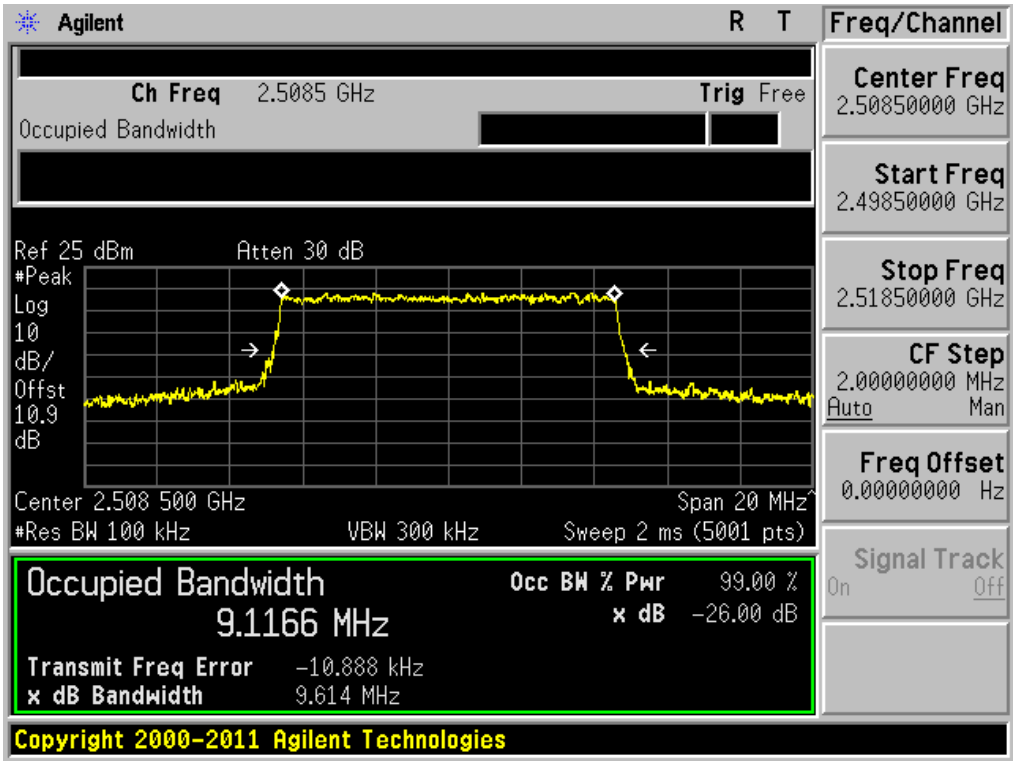
99% OBW OBW: 5MHz & Middle Frequency & PUSC Zone & QPSK1/2 & Main Antenna



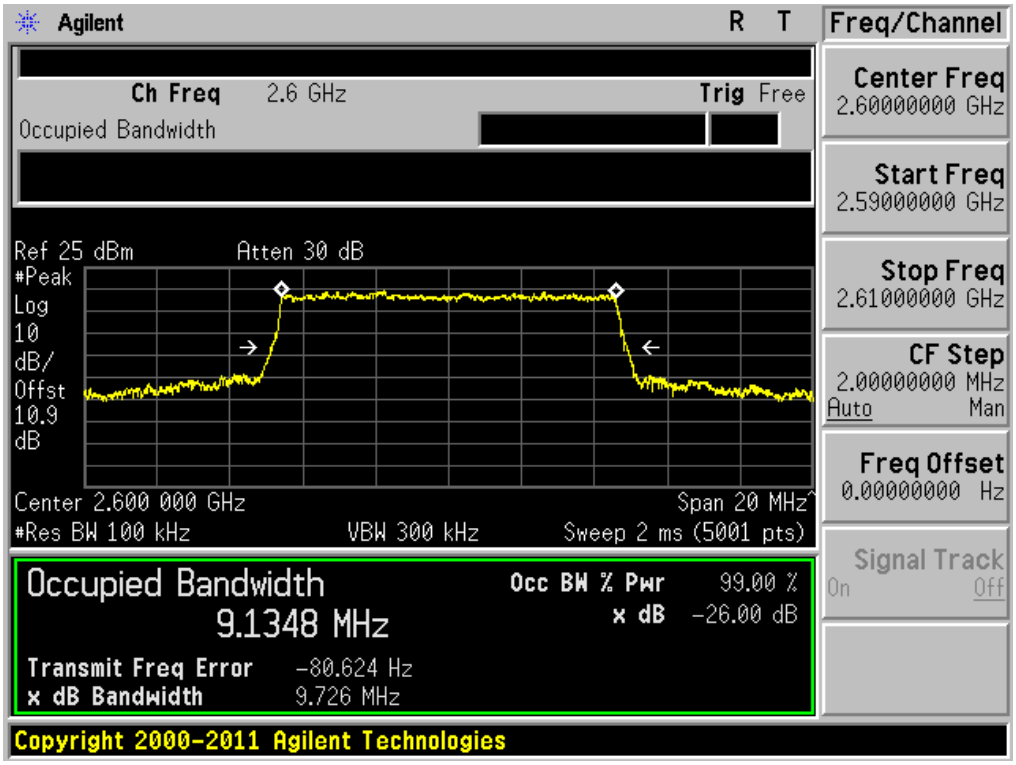
99% OBW OBW: 5MHz & Highest Frequency & PUSC Zone & QPSK3/4 & Main Antenna



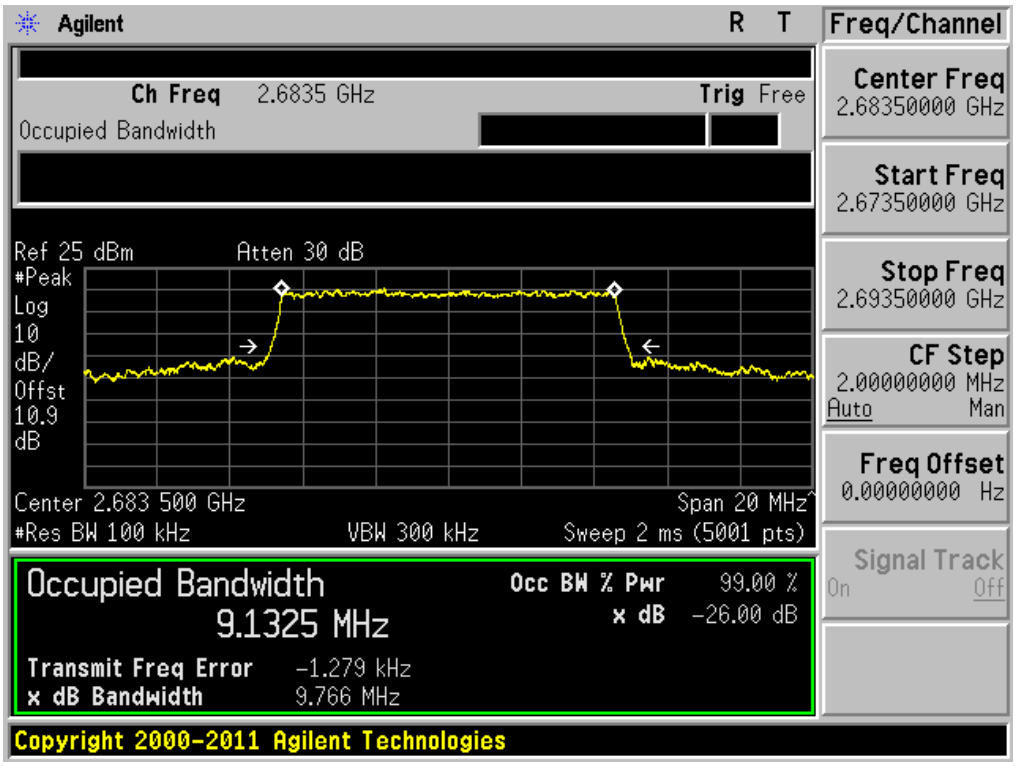
99% OBW OBW: 10MHz & Lowest Frequency & PUSC Zone & 64QAM1/2 & Main Antenna



99% OBW OBW: 10MHz & Middle Frequency & PUSC Zone & 64QAM1/2 & Main Antenna



99% OBW OBW: 10MHz & Highest Frequency & PUSC Zone & 64QAM1/2 & Main Antenna



3.2.2 Equivalent Isotropic Radiated Power

- Test Procedure:

Conducted method

The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW = 51KHz (for the Associated Channel BW = 5MHz) and RBW = 100KHz(for the Associated Channel BW = 10MHz).

Radiated Method

This test item is performed at semi-anechoic chamber. The equipment under test is placed on a wooden turntable located at 3-meters from the receive antenna.
This test is based on the use of spectrum analyzer employing a RBW/VBW = 5MHz(OBW: 5MHz) and 10MHz(OBW: 10MHz) and peak detector mode.
The receive antenna height and turntable rotations are adjusted for the highest reading on the receive spectrum analyzer. A antenna is substituted in place of the EUT. This antenna is driven by a vector signal generator.
The level of the signal generator is adjusted to obtain the same spectrum analyzer's reading level when EUT existed.
After that conducted power at the input terminal of the transmit antenna is measured and this conducted power is corrected with antenna gain in dBi. This level was recorded.

Note: Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004

- **Measurement Data: Comply**

Refer to next page.

- **Minimum Standard:**

< 2W

Measurement Data: Conducted method

- OBW: 5MHz

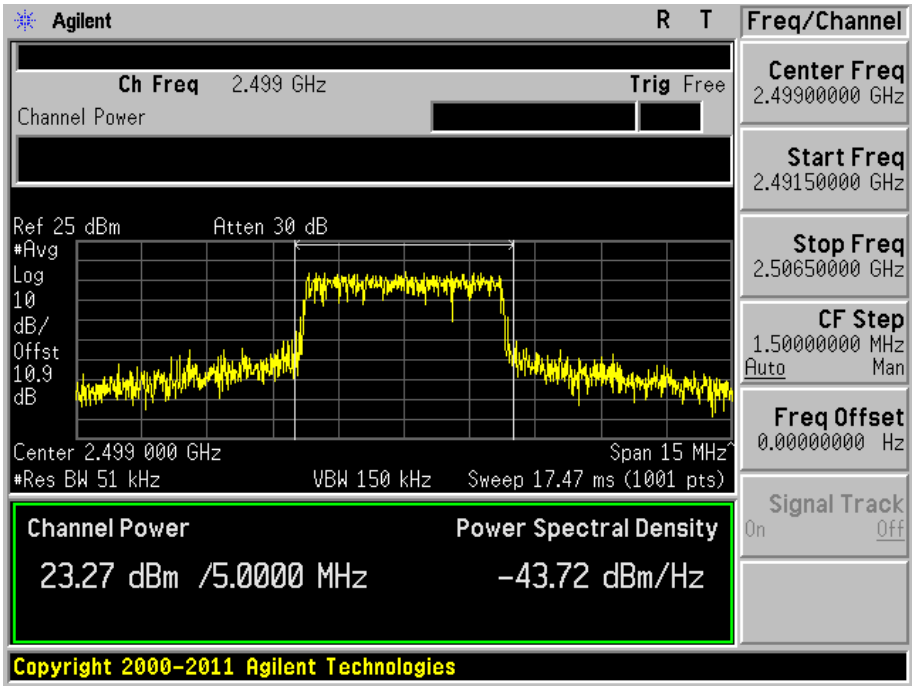
Zone Format	Modulation Type	Main antenna port			Sub antenna port		
		Lowest frequency	Middle frequency	Highest frequency	Lowest frequency	Middle frequency	Highest frequency
PUSC	QPSK1/2	***23.27***	23.67	24.42	23.04	23.64	24.14
	QPSK3/4	23.18	23.49	24.36	22.98	23.27	23.98
	16QAM1/2	23.22	23.54	24.26	22.94	23.37	24.01
	16QAM3/4	23.08	23.45	24.23	22.92	23.28	23.83
	64QAM1/2	22.80	23.30	24.03	22.68	23.06	23.53
	64QAM2/3	22.96	23.36	24.33	22.93	23.21	23.81
	64QAM3/4	22.92	23.33	24.26	22.74	23.03	23.56
	64QAM5/6	23.17	***23.71***	***24.48***	23.05	23.44	23.75

- OBW: 10MHz

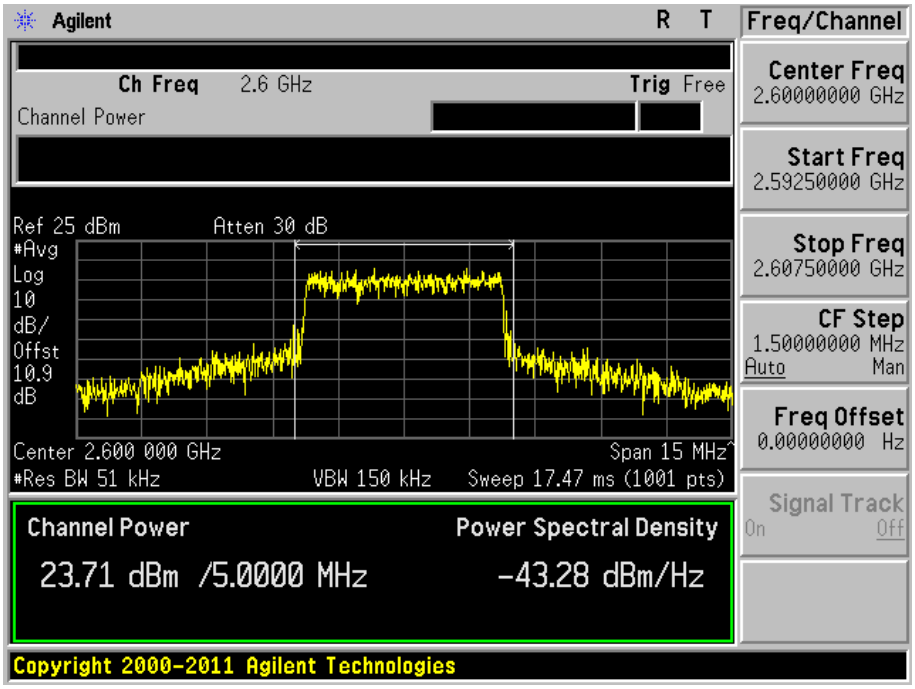
Zone Format	Modulation Type	Main antenna port			Sub antenna port		
		Lowest frequency	Middle frequency	Highest frequency	Lowest frequency	Middle frequency	Highest frequency
PUSC	QPSK1/2	23.30	23.57	***24.45***	23.27	23.46	23.91
	QPSK3/4	23.15	23.47	24.44	23.05	23.31	23.80
	16QAM1/2	23.23	23.30	24.23	22.97	23.13	23.58
	16QAM3/4	22.80	23.27	24.07	22.70	22.86	23.02
	64QAM1/2	23.02	23.37	24.39	23.00	23.20	23.38
	64QAM2/3	23.12	23.50	24.42	23.09	23.28	23.47
	64QAM3/4	22.59	23.07	23.97	22.59	22.76	22.94
	64QAM5/6	***23.42***	***23.77***	24.44	23.40	23.55	23.79

Note : Please see next pages for above worst case power measurement plots.

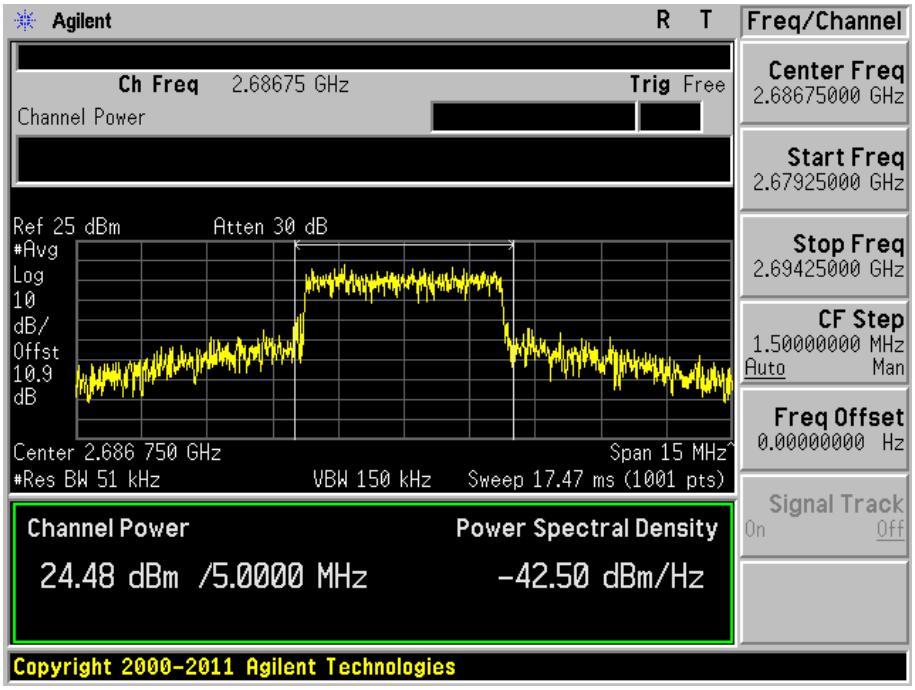
Conducted Output Power OBW: 5MHz & Lowest Frequency & PUSC Zone & QPSK1/2 & Main Antenna



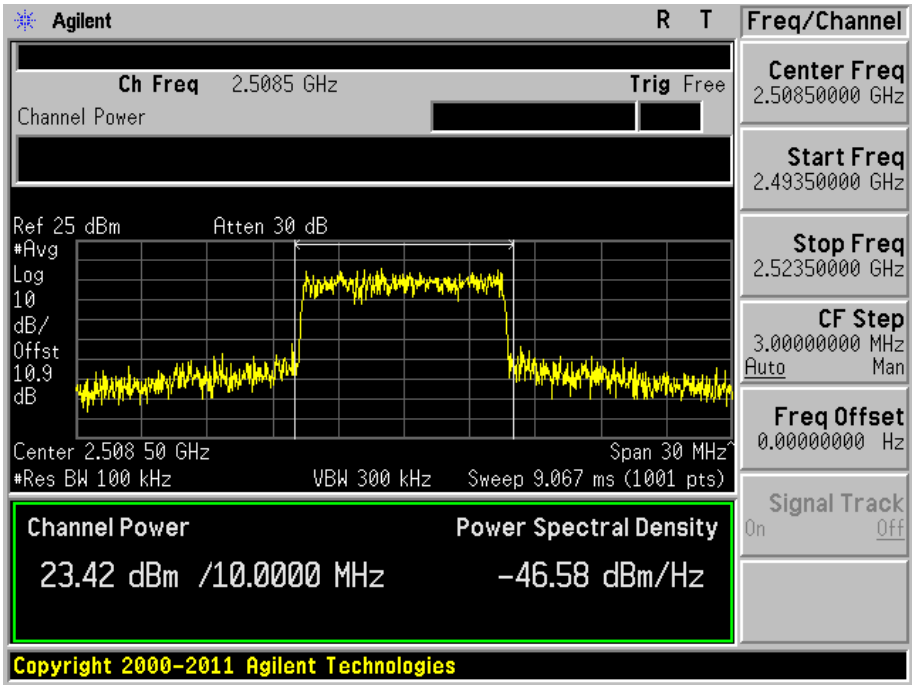
Conducted Output Power OBW: 5MHz & Middle Frequency & PUSC Zone & 64QAM5/6 & Main Antenna



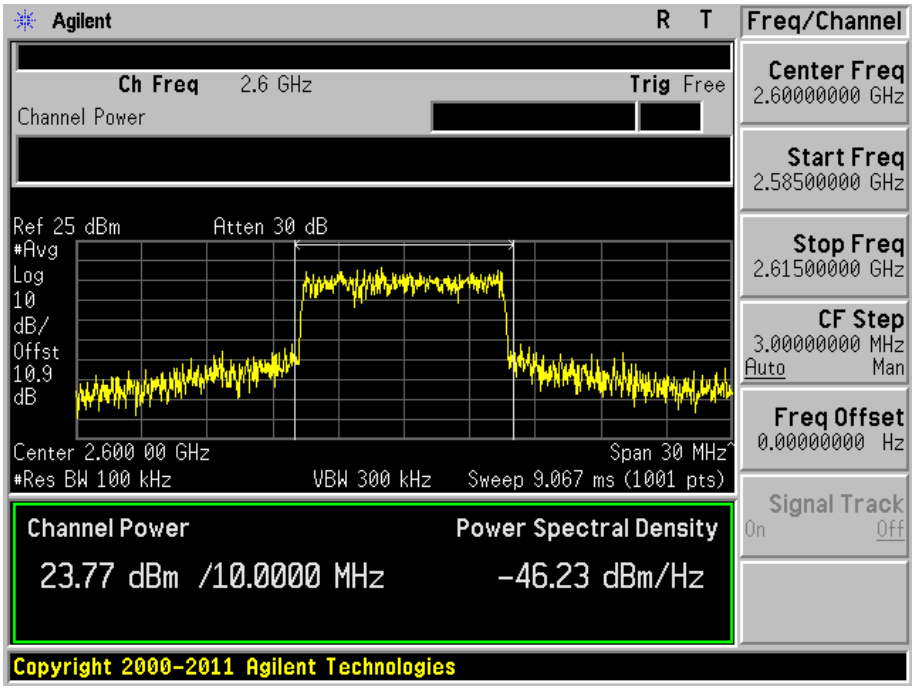
Conducted Output Power OBW: 5MHz & Highest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna



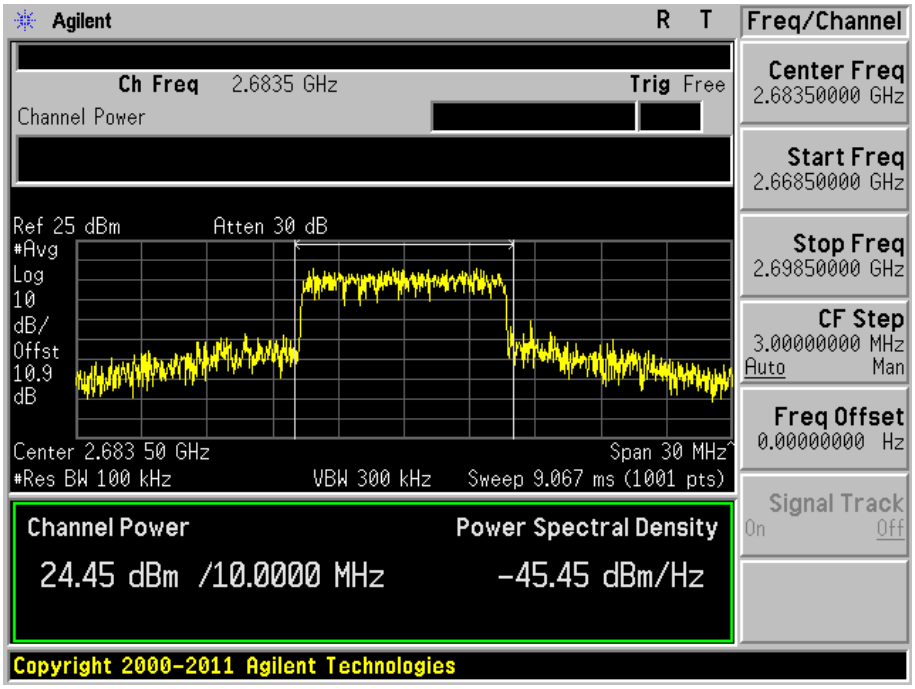
Conducted Output Power OBW: 10MHz & Lowest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna



Conducted Output Power OBW: 10MHz & Middle Frequency & PUSC Zone & 64QAM5/6 & Main Antenna



Conducted Output Power OBW: 10MHz & Highest Frequency & PUSC Zone & QPSK1/2 & Main Antenna



Measurement Data: Radiated method

- OBW: 5MHz

Tested Freq.	Mod. Type	Transmitting Antenna	EUT Position	TEST CONDITIONS				
				Ref. level (dBm)	Pol. (H/V)	Ant Gain (dBi)	EIRP (dBm)	EIRP (W)
Lowest	QPSK1/2	Main Antenna	Z	-19.44	V	9.34	25.01	0.317
		Sub Antenna	Z	-20.75	V	9.34	23.70	0.234
	16QAM1/2	Main Antenna	Z	-19.46	V	9.34	24.99	0.316
		Sub Antenna	Z	-20.69	V	9.34	23.76	0.238
	64QAM5/6	Main Antenna	Z	-19.56	V	9.34	24.89	0.308
		Sub Antenna	Z	-20.68	V	9.34	23.77	0.238
Middle	QPSK1/2	Main Antenna	Z	-20.74	V	9.39	23.59	0.229
		Sub Antenna	Z	-21.52	V	9.39	22.81	0.191
	16QAM1/2	Main Antenna	Z	-20.78	V	9.39	23.55	0.226
		Sub Antenna	Z	-21.41	V	9.39	22.92	0.196
	64QAM5/6	Main Antenna	Z	-20.59	V	9.39	23.74	0.237
		Sub Antenna	Z	-21.38	V	9.39	22.95	0.197
Highest	QPSK1/2	Main Antenna	Z	-19.76	V	9.43	25.27	0.337
		Sub Antenna	Z	-21.20	V	9.43	23.83	0.242
	16QAM1/2	Main Antenna	Z	-19.51	V	9.43	25.52	0.356
		Sub Antenna	Z	-21.03	V	9.43	24.00	0.251
	64QAM5/6	Main Antenna	Z	-19.61	V	9.43	25.42	0.348
		Sub Antenna	Z	-21.07	V	9.43	23.96	0.249

- OBW: 10MHz

Tested Freq.	Mod. Type	Transmitting Antenna	EUT Position	TEST CONDITIONS				
				Ref. level (dBm)	Pol. (H/V)	Ant Gain (dBi)	EIRP (dBm)	EIRP (W)
Lowest	QPSK1/2	Main Antenna	Z	-22.64	V	9.34	23.17	0.207
		Sub Antenna	Z	-23.78	V	9.34	22.03	0.160
	16QAM1/2	Main Antenna	Z	-22.36	V	9.34	23.45	0.221
		Sub Antenna	Z	-23.59	V	9.34	22.22	0.167
	64QAM5/6	Main Antenna	Z	-22.35	V	9.34	23.46	0.222
		Sub Antenna	Z	-23.49	V	9.34	22.32	0.171
Middle	QPSK1/2	Main Antenna	Z	-20.06	H	9.39	24.80	0.302
		Sub Antenna	Z	-21.64	H	9.39	23.22	0.210
	16QAM1/2	Main Antenna	Z	-20.04	H	9.39	24.82	0.303
		Sub Antenna	Z	-21.75	H	9.39	23.11	0.205
	64QAM5/6	Main Antenna	Z	-20.13	H	9.39	24.73	0.297
		Sub Antenna	Z	-21.38	H	9.39	23.48	0.223
Highest	QPSK1/2	Main Antenna	Z	-21.52	V	9.43	25.02	0.318
		Sub Antenna	Z	-22.84	V	9.43	23.70	0.234
	16QAM1/2	Main Antenna	Z	-22.00	V	9.43	24.54	0.284
		Sub Antenna	Z	-23.06	V	9.43	23.48	0.223
	64QAM5/6	Main Antenna	Z	-22.03	V	9.43	24.51	0.282
		Sub Antenna	Z	-22.99	V	9.43	23.55	0.226

3.2.3 Band Edge

- Procedure:

The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW = 51KHz(for the Associated Channel BW = 5MHz) and RBW = 100KHz(for the Associated Channel BW = 10MHz).

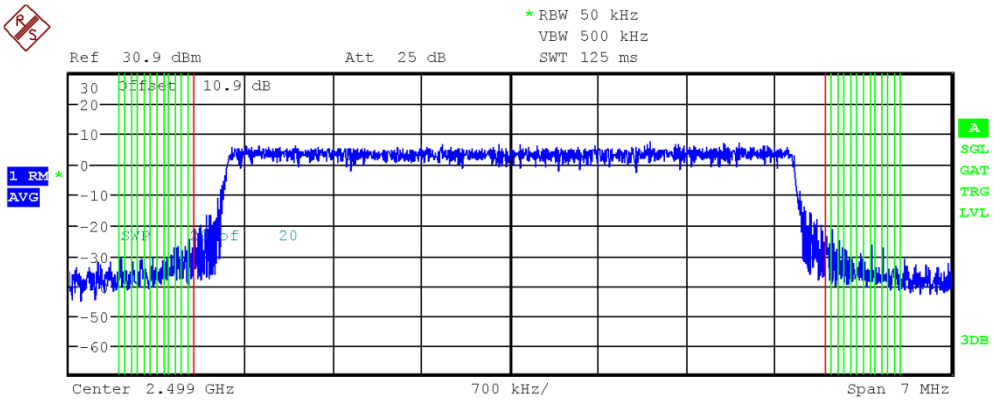
- Measurement Data: Comply

Note 1: According to power measurements, this test item was performed at worst ca mode of each modulation type.
Note 2: See next pages for worst case spectrum plots.

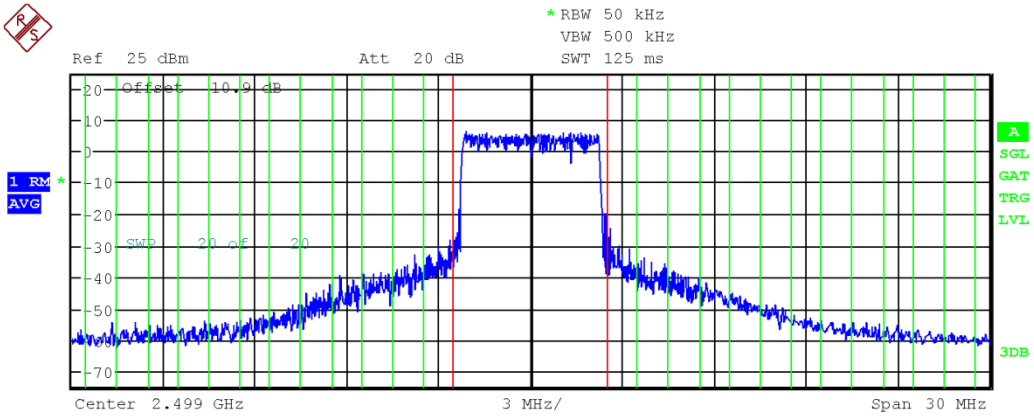
- **Minimum Standard:**

The power of any emission outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than 43 + 10log(P) at the channel edge, the limit of emission equal to -13dBm. And 55 + 10log(P) dB at 5.5MHz from the channel edges, the limit of emission equal to -25dBm. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

Band Edge OBW: 5MHz & Lowest Frequency & PUSC Zone & QPSK1/2 & Main Antenna

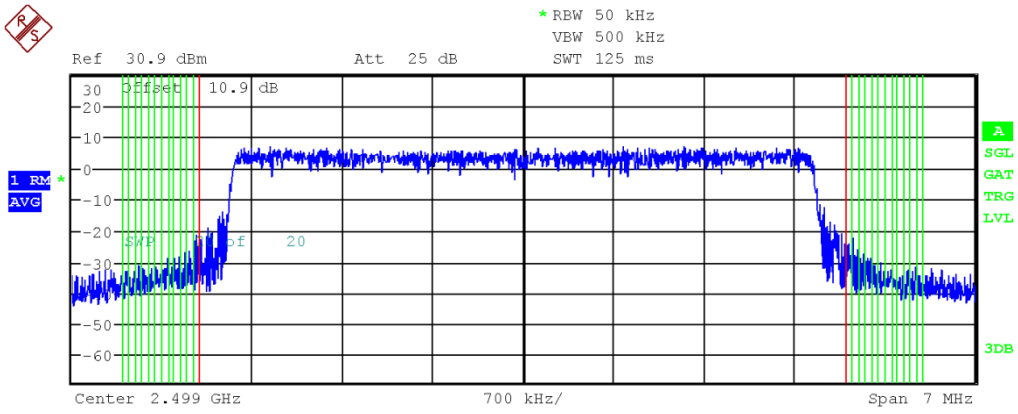


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		22.98 dBm	
Adjacent	50.000 kHz	2.525 MHz	-53.22 dB	-51.61 dB
Alternate	50.000 kHz	2.575 MHz	-52.78 dB	-52.81 dB
2nd Alt	50.000 kHz	2.625 MHz	-55.08 dB	-54.59 dB
3rd Alt	50.000 kHz	2.675 MHz	-56.29 dB	-55.84 dB
4th Alt	50.000 kHz	2.725 MHz	-57.23 dB	-57.70 dB
5th Alt	50.000 kHz	2.775 MHz	-59.38 dB	-57.27 dB
6th Alt	50.000 kHz	2.825 MHz	-58.56 dB	-59.49 dB
7th Alt	50.000 kHz	2.875 MHz	-59.84 dB	-57.26 dB
8th Alt	50.000 kHz	2.925 MHz	-58.50 dB	-60.01 dB
9th Alt	50.000 kHz	2.975 MHz	-59.58 dB	-58.42 dB
10th Alt	50.000 kHz	3.025 MHz	-59.29 dB	-59.60 dB
11th Alt	50.000 kHz	3.075 MHz	-58.84 dB	-60.64 dB

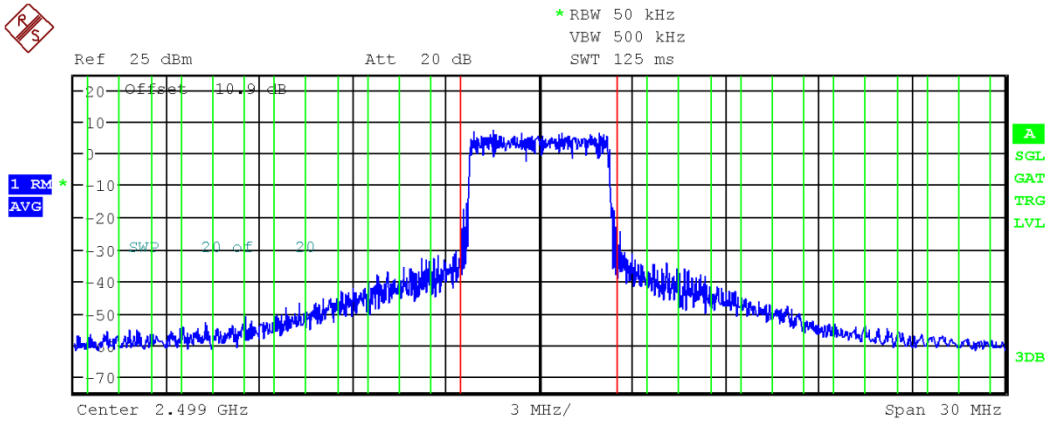


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		22.98 dBm	
Adjacent	1.000 MHz	4.000 MHz	-50.06 dB	-50.22 dB
Alternate	1.000 MHz	5.000 MHz	-52.96 dB	-52.81 dB
2nd Alt	1.000 MHz	6.000 MHz	-55.70 dB	-55.72 dB
3rd Alt	1.000 MHz	7.000 MHz	-58.97 dB	-59.01 dB
4th Alt	1.000 MHz	8.000 MHz	-63.15 dB	-62.22 dB
5th Alt	1.000 MHz	9.000 MHz	-65.62 dB	-65.01 dB
6th Alt	1.000 MHz	10.000 MHz	-67.48 dB	-66.96 dB
7th Alt	1.000 MHz	11.000 MHz	-68.42 dB	-67.98 dB
8th Alt	1.000 MHz	12.000 MHz	-68.98 dB	-68.60 dB
9th Alt	1.000 MHz	13.000 MHz	-69.20 dB	-69.58 dB
10th Alt	1.000 MHz	14.000 MHz	-70.03 dB	-70.05 dB

Band Edge OBW: 5MHz & Lowest Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

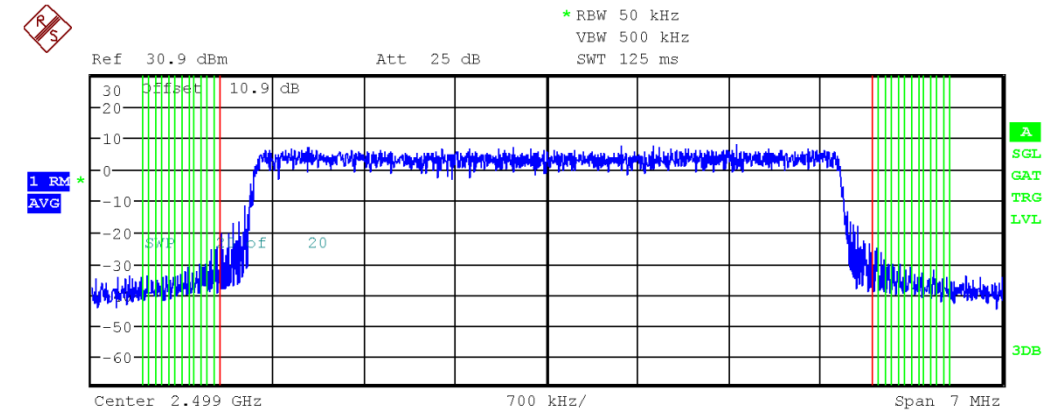


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.01 dBm	
Adjacent	50.000 kHz	2.525 MHz	-50.58 dB	-51.57 dB
Alternate	50.000 kHz	2.575 MHz	-54.88 dB	-53.00 dB
2nd Alt	50.000 kHz	2.625 MHz	-54.80 dB	-55.44 dB
3rd Alt	50.000 kHz	2.675 MHz	-57.07 dB	-54.96 dB
4th Alt	50.000 kHz	2.725 MHz	-57.68 dB	-57.38 dB
5th Alt	50.000 kHz	2.775 MHz	-57.24 dB	-57.71 dB
6th Alt	50.000 kHz	2.825 MHz	-58.60 dB	-59.06 dB
7th Alt	50.000 kHz	2.875 MHz	-59.66 dB	-59.70 dB
8th Alt	50.000 kHz	2.925 MHz	-58.89 dB	-60.22 dB
9th Alt	50.000 kHz	2.975 MHz	-60.01 dB	-59.87 dB
10th Alt	50.000 kHz	3.025 MHz	-59.85 dB	-59.67 dB
11th Alt	50.000 kHz	3.075 MHz	-58.86 dB	-60.36 dB

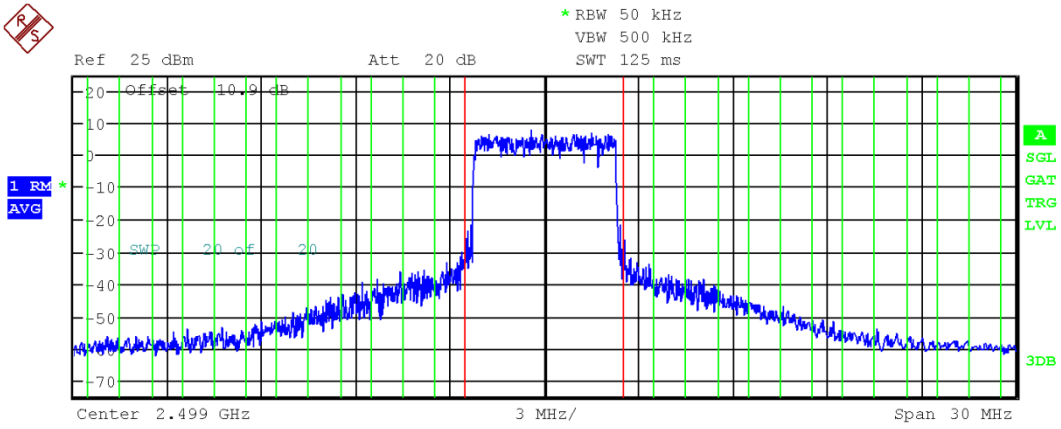


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		22.91 dBm	
Adjacent	1.000 MHz	4.000 MHz	-49.77 dB	-50.12 dB
Alternate	1.000 MHz	5.000 MHz	-52.78 dB	-52.63 dB
2nd Alt	1.000 MHz	6.000 MHz	-55.95 dB	-55.91 dB
3rd Alt	1.000 MHz	7.000 MHz	-59.48 dB	-59.10 dB
4th Alt	1.000 MHz	8.000 MHz	-62.67 dB	-61.54 dB
5th Alt	1.000 MHz	9.000 MHz	-65.19 dB	-65.17 dB
6th Alt	1.000 MHz	10.000 MHz	-67.14 dB	-66.91 dB
7th Alt	1.000 MHz	11.000 MHz	-67.81 dB	-68.11 dB
8th Alt	1.000 MHz	12.000 MHz	-68.61 dB	-68.98 dB
9th Alt	1.000 MHz	13.000 MHz	-69.09 dB	-69.12 dB
10th Alt	1.000 MHz	14.000 MHz	-69.49 dB	-70.10 dB

Band Edge OBW: 5MHz & Lowest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna

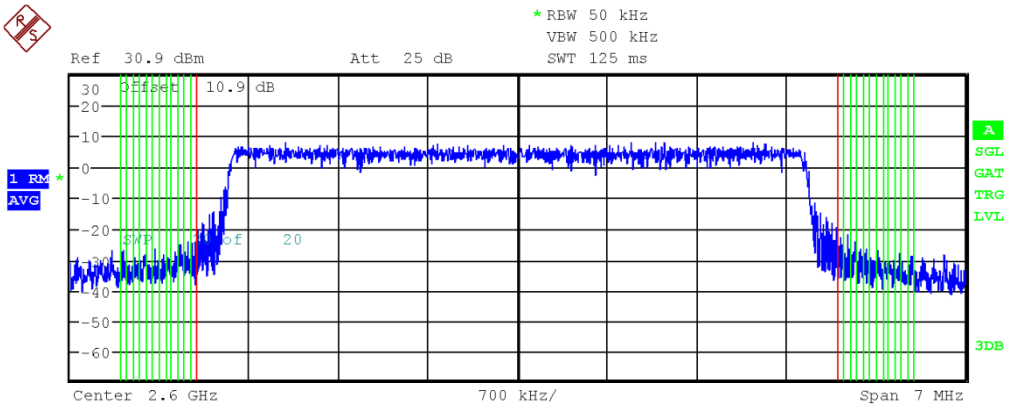


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		22.96 dBm	
Adjacent	50.000 kHz	2.525 MHz	-53.37 dB	-54.02 dB
Alternate	50.000 kHz	2.575 MHz	-55.28 dB	-56.16 dB
2nd Alt	50.000 kHz	2.625 MHz	-56.86 dB	-57.19 dB
3rd Alt	50.000 kHz	2.675 MHz	-57.66 dB	-57.65 dB
4th Alt	50.000 kHz	2.725 MHz	-58.52 dB	-58.82 dB
5th Alt	50.000 kHz	2.775 MHz	-60.11 dB	-58.59 dB
6th Alt	50.000 kHz	2.825 MHz	-60.32 dB	-59.90 dB
7th Alt	50.000 kHz	2.875 MHz	-60.43 dB	-60.33 dB
8th Alt	50.000 kHz	2.925 MHz	-61.02 dB	-61.17 dB
9th Alt	50.000 kHz	2.975 MHz	-60.90 dB	-60.21 dB
10th Alt	50.000 kHz	3.025 MHz	-61.37 dB	-60.86 dB
11th Alt	50.000 kHz	3.075 MHz	-61.25 dB	-61.26 dB

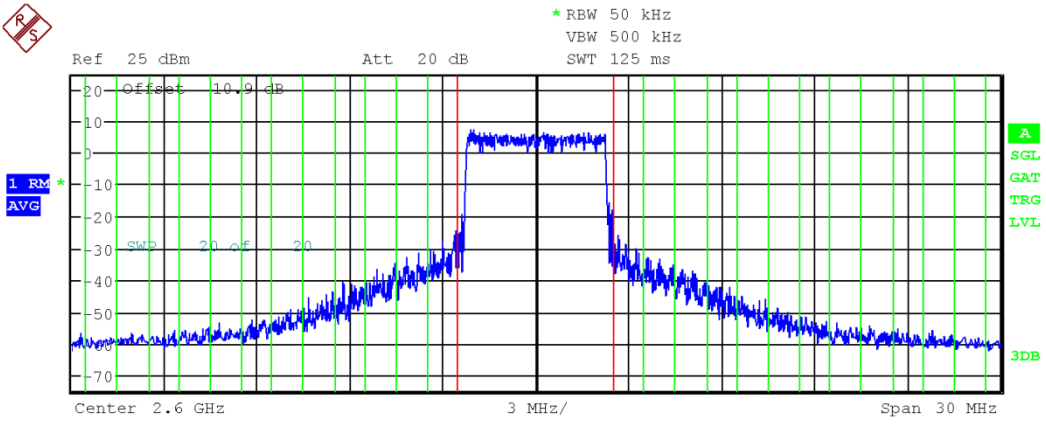


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.07 dBm	
Adjacent	1.000 MHz	4.000 MHz	-50.64 dB	-51.18 dB
Alternate	1.000 MHz	5.000 MHz	-53.05 dB	-53.21 dB
2nd Alt	1.000 MHz	6.000 MHz	-56.43 dB	-56.22 dB
3rd Alt	1.000 MHz	7.000 MHz	-59.11 dB	-59.11 dB
4th Alt	1.000 MHz	8.000 MHz	-62.50 dB	-61.80 dB
5th Alt	1.000 MHz	9.000 MHz	-65.30 dB	-65.31 dB
6th Alt	1.000 MHz	10.000 MHz	-67.61 dB	-67.12 dB
7th Alt	1.000 MHz	11.000 MHz	-68.21 dB	-68.48 dB
8th Alt	1.000 MHz	12.000 MHz	-69.47 dB	-69.23 dB
9th Alt	1.000 MHz	13.000 MHz	-69.62 dB	-69.56 dB
10th Alt	1.000 MHz	14.000 MHz	-69.79 dB	-70.36 dB

Band Edge OBW: 5MHz & Middle Frequency & PUSC Zone & QPSK1/2 & Main Antenna

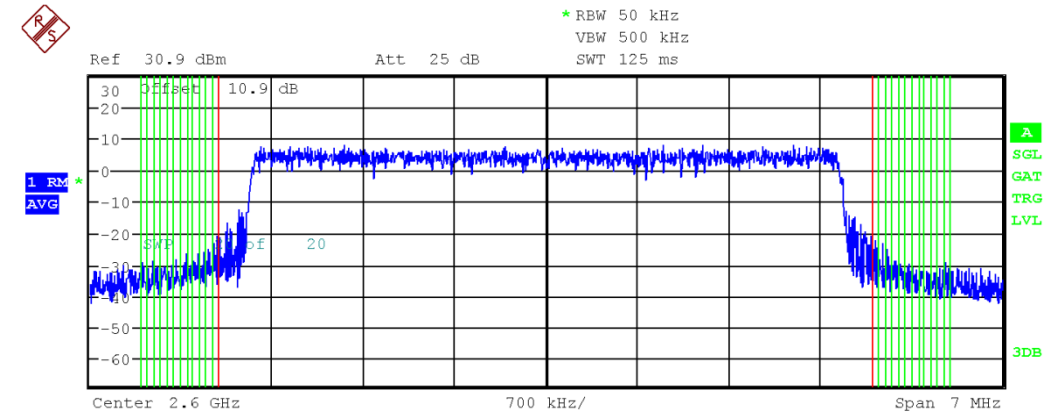


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.83 dBm	
Adjacent	50.000 kHz	2.525 MHz	-52.00 dB	-50.33 dB
Alternate	50.000 kHz	2.575 MHz	-51.99 dB	-53.12 dB
2nd Alt	50.000 kHz	2.625 MHz	-53.42 dB	-53.61 dB
3rd Alt	50.000 kHz	2.675 MHz	-54.51 dB	-55.48 dB
4th Alt	50.000 kHz	2.725 MHz	-55.10 dB	-55.41 dB
5th Alt	50.000 kHz	2.775 MHz	-57.23 dB	-57.04 dB
6th Alt	50.000 kHz	2.825 MHz	-56.57 dB	-56.58 dB
7th Alt	50.000 kHz	2.875 MHz	-58.22 dB	-56.19 dB
8th Alt	50.000 kHz	2.925 MHz	-55.86 dB	-57.80 dB
9th Alt	50.000 kHz	2.975 MHz	-57.04 dB	-57.34 dB
10th Alt	50.000 kHz	3.025 MHz	-57.50 dB	-59.31 dB
11th Alt	50.000 kHz	3.075 MHz	-56.44 dB	-57.36 dB

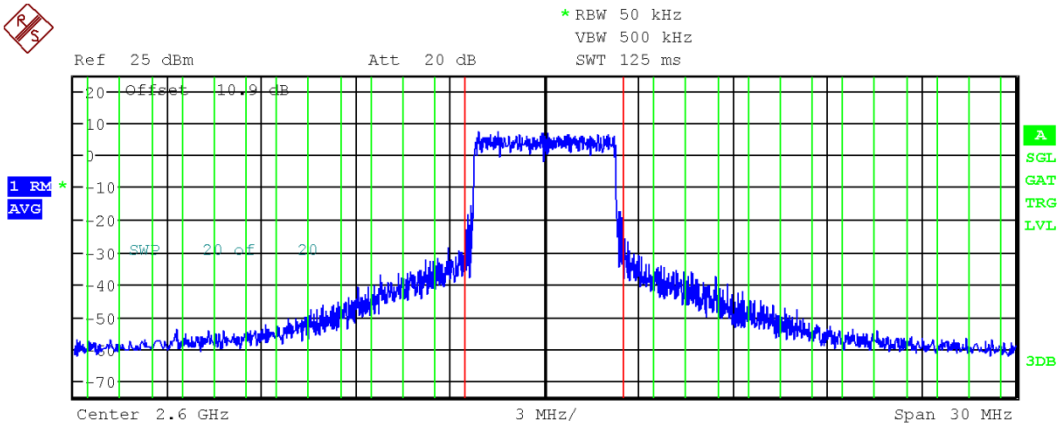


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.61 dBm	
Adjacent	1.000 MHz	4.000 MHz	-49.03 dB	-49.39 dB
Alternate	1.000 MHz	5.000 MHz	-52.43 dB	-52.65 dB
2nd Alt	1.000 MHz	6.000 MHz	-56.70 dB	-56.88 dB
3rd Alt	1.000 MHz	7.000 MHz	-60.96 dB	-60.82 dB
4th Alt	1.000 MHz	8.000 MHz	-64.35 dB	-64.12 dB
5th Alt	1.000 MHz	9.000 MHz	-66.52 dB	-66.42 dB
6th Alt	1.000 MHz	10.000 MHz	-68.36 dB	-68.10 dB
7th Alt	1.000 MHz	11.000 MHz	-68.90 dB	-69.06 dB
8th Alt	1.000 MHz	12.000 MHz	-70.03 dB	-69.69 dB
9th Alt	1.000 MHz	13.000 MHz	-70.07 dB	-70.38 dB
10th Alt	1.000 MHz	14.000 MHz	-70.82 dB	-70.87 dB

Band Edge OBW: 5MHz & Middle Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

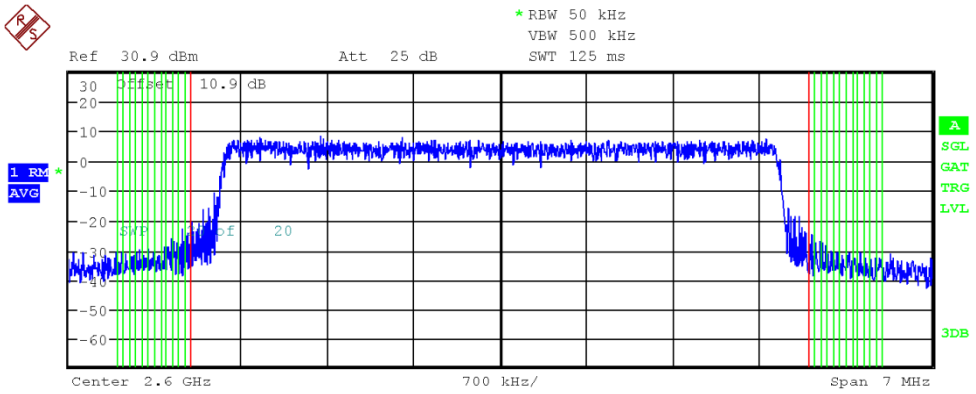


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.68 dBm	
Adjacent	50.000 kHz	2.525 MHz	-50.40 dB	-50.93 dB
Alternate	50.000 kHz	2.575 MHz	-53.67 dB	-53.83 dB
2nd Alt	50.000 kHz	2.625 MHz	-54.19 dB	-54.15 dB
3rd Alt	50.000 kHz	2.675 MHz	-55.12 dB	-55.58 dB
4th Alt	50.000 kHz	2.725 MHz	-56.53 dB	-56.13 dB
5th Alt	50.000 kHz	2.775 MHz	-56.38 dB	-57.44 dB
6th Alt	50.000 kHz	2.825 MHz	-56.80 dB	-58.64 dB
7th Alt	50.000 kHz	2.875 MHz	-58.00 dB	-58.51 dB
8th Alt	50.000 kHz	2.925 MHz	-57.09 dB	-59.81 dB
9th Alt	50.000 kHz	2.975 MHz	-58.28 dB	-58.76 dB
10th Alt	50.000 kHz	3.025 MHz	-57.85 dB	-59.47 dB
11th Alt	50.000 kHz	3.075 MHz	-56.86 dB	-57.79 dB

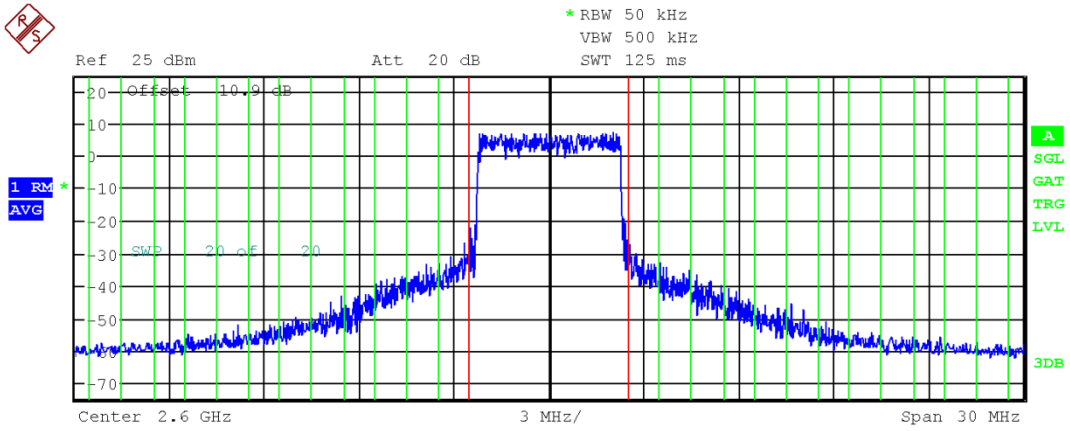


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.44 dBm	
Adjacent	1.000 MHz	4.000 MHz	-49.21 dB	-49.90 dB
Alternate	1.000 MHz	5.000 MHz	-52.67 dB	-53.31 dB
2nd Alt	1.000 MHz	6.000 MHz	-57.19 dB	-57.66 dB
3rd Alt	1.000 MHz	7.000 MHz	-61.43 dB	-60.88 dB
4th Alt	1.000 MHz	8.000 MHz	-64.57 dB	-63.91 dB
5th Alt	1.000 MHz	9.000 MHz	-66.54 dB	-66.57 dB
6th Alt	1.000 MHz	10.000 MHz	-68.03 dB	-67.96 dB
7th Alt	1.000 MHz	11.000 MHz	-68.52 dB	-69.13 dB
8th Alt	1.000 MHz	12.000 MHz	-69.31 dB	-69.96 dB
9th Alt	1.000 MHz	13.000 MHz	-70.12 dB	-70.16 dB
10th Alt	1.000 MHz	14.000 MHz	-70.40 dB	-70.77 dB

Band Edge OBW: 5MHz & Middle Frequency & PUSC Zone & 64QAM5/6 & Main Antenna

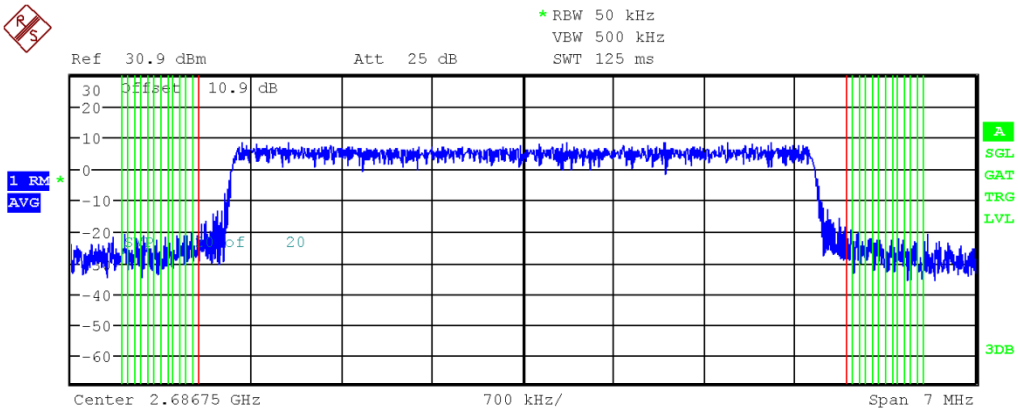


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.72 dBm	
Adjacent	50.000 kHz	2.525 MHz	-52.55 dB	-52.75 dB
Alternate	50.000 kHz	2.575 MHz	-53.37 dB	-55.35 dB
2nd Alt	50.000 kHz	2.625 MHz	-55.41 dB	-56.10 dB
3rd Alt	50.000 kHz	2.675 MHz	-55.07 dB	-57.42 dB
4th Alt	50.000 kHz	2.725 MHz	-56.48 dB	-57.76 dB
5th Alt	50.000 kHz	2.775 MHz	-58.25 dB	-58.88 dB
6th Alt	50.000 kHz	2.825 MHz	-58.05 dB	-57.76 dB
7th Alt	50.000 kHz	2.875 MHz	-57.54 dB	-59.31 dB
8th Alt	50.000 kHz	2.925 MHz	-57.91 dB	-59.41 dB
9th Alt	50.000 kHz	2.975 MHz	-58.34 dB	-58.94 dB
10th Alt	50.000 kHz	3.025 MHz	-59.04 dB	-60.07 dB
11th Alt	50.000 kHz	3.075 MHz	-58.94 dB	-59.18 dB

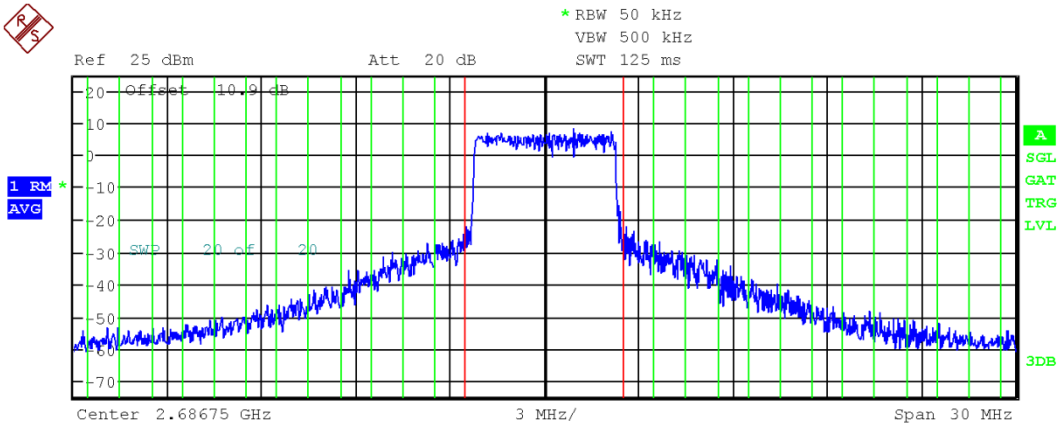


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.68 dBm	
Adjacent	1.000 MHz	4.000 MHz	-49.48 dB	-50.62 dB
Alternate	1.000 MHz	5.000 MHz	-52.56 dB	-53.84 dB
2nd Alt	1.000 MHz	6.000 MHz	-57.89 dB	-57.75 dB
3rd Alt	1.000 MHz	7.000 MHz	-61.52 dB	-61.37 dB
4th Alt	1.000 MHz	8.000 MHz	-64.07 dB	-64.16 dB
5th Alt	1.000 MHz	9.000 MHz	-66.31 dB	-66.96 dB
6th Alt	1.000 MHz	10.000 MHz	-68.08 dB	-68.28 dB
7th Alt	1.000 MHz	11.000 MHz	-69.06 dB	-69.40 dB
8th Alt	1.000 MHz	12.000 MHz	-70.08 dB	-69.85 dB
9th Alt	1.000 MHz	13.000 MHz	-70.32 dB	-70.63 dB
10th Alt	1.000 MHz	14.000 MHz	-70.73 dB	-71.25 dB

Band Edge OBW: 5MHz & Highest Frequency & PUSC Zone & QPSK1/2 & Main Antenna

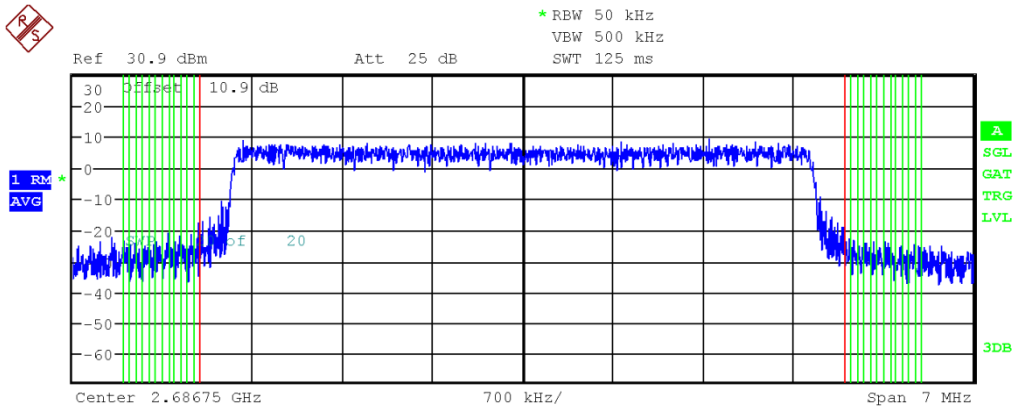


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		24.49 dBm	
Adjacent	50.000 kHz	2.525 MHz	-50.09 dB	-49.19 dB
Alternate	50.000 kHz	2.575 MHz	-49.42 dB	-49.38 dB
2nd Alt	50.000 kHz	2.625 MHz	-49.98 dB	-50.93 dB
3rd Alt	50.000 kHz	2.675 MHz	-49.99 dB	-50.14 dB
4th Alt	50.000 kHz	2.725 MHz	-50.74 dB	-50.52 dB
5th Alt	50.000 kHz	2.775 MHz	-52.23 dB	-51.57 dB
6th Alt	50.000 kHz	2.825 MHz	-52.00 dB	-51.98 dB
7th Alt	50.000 kHz	2.875 MHz	-53.03 dB	-52.28 dB
8th Alt	50.000 kHz	2.925 MHz	-50.35 dB	-51.32 dB
9th Alt	50.000 kHz	2.975 MHz	-51.41 dB	-52.64 dB
10th Alt	50.000 kHz	3.025 MHz	-52.67 dB	-51.56 dB
11th Alt	50.000 kHz	3.075 MHz	-51.60 dB	-54.89 dB

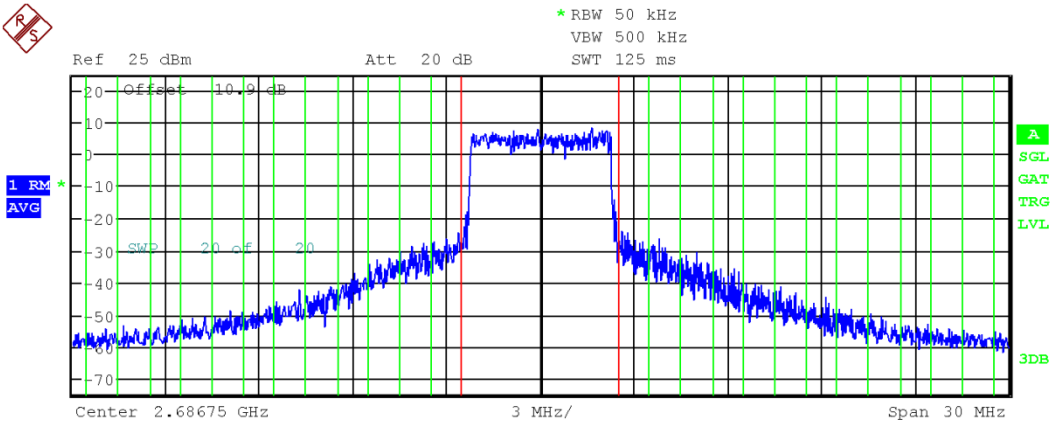


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		24.13 dBm	
Adjacent	1.000 MHz	4.000 MHz	-43.76 dB	-43.82 dB
Alternate	1.000 MHz	5.000 MHz	-46.82 dB	-46.83 dB
2nd Alt	1.000 MHz	6.000 MHz	-51.49 dB	-51.34 dB
3rd Alt	1.000 MHz	7.000 MHz	-55.87 dB	-55.02 dB
4th Alt	1.000 MHz	8.000 MHz	-59.42 dB	-57.95 dB
5th Alt	1.000 MHz	9.000 MHz	-62.06 dB	-61.72 dB
6th Alt	1.000 MHz	10.000 MHz	-64.27 dB	-64.46 dB
7th Alt	1.000 MHz	11.000 MHz	-66.34 dB	-65.88 dB
8th Alt	1.000 MHz	12.000 MHz	-67.80 dB	-67.36 dB
9th Alt	1.000 MHz	13.000 MHz	-68.69 dB	-68.61 dB
10th Alt	1.000 MHz	14.000 MHz	-69.20 dB	-69.53 dB

Band Edge OBW: 5MHz & Highest Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

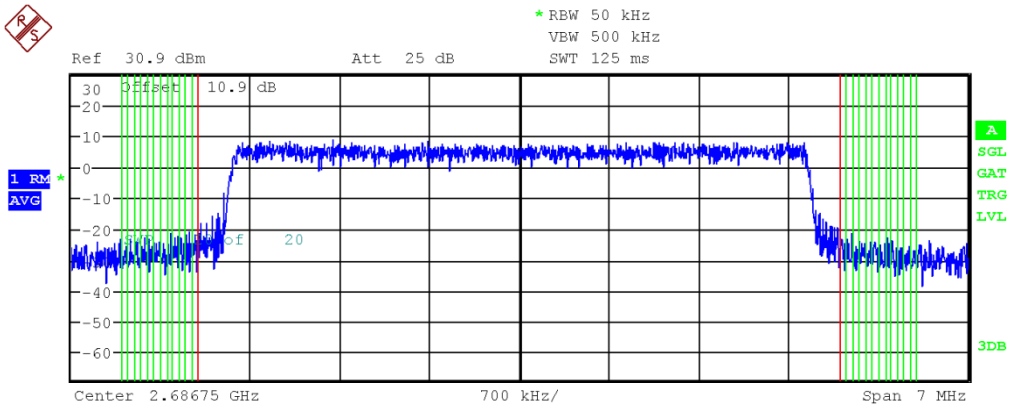


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		24.32 dBm	
Adjacent	50.000 kHz	2.525 MHz	-49.30 dB	-50.39 dB
Alternate	50.000 kHz	2.575 MHz	-50.65 dB	-50.85 dB
2nd Alt	50.000 kHz	2.625 MHz	-51.55 dB	-52.08 dB
3rd Alt	50.000 kHz	2.675 MHz	-51.68 dB	-51.66 dB
4th Alt	50.000 kHz	2.725 MHz	-53.02 dB	-52.64 dB
5th Alt	50.000 kHz	2.775 MHz	-52.05 dB	-53.11 dB
6th Alt	50.000 kHz	2.825 MHz	-52.55 dB	-52.34 dB
7th Alt	50.000 kHz	2.875 MHz	-53.34 dB	-54.85 dB
8th Alt	50.000 kHz	2.925 MHz	-52.40 dB	-53.68 dB
9th Alt	50.000 kHz	2.975 MHz	-53.80 dB	-54.49 dB
10th Alt	50.000 kHz	3.025 MHz	-53.09 dB	-53.23 dB
11th Alt	50.000 kHz	3.075 MHz	-52.25 dB	-54.87 dB

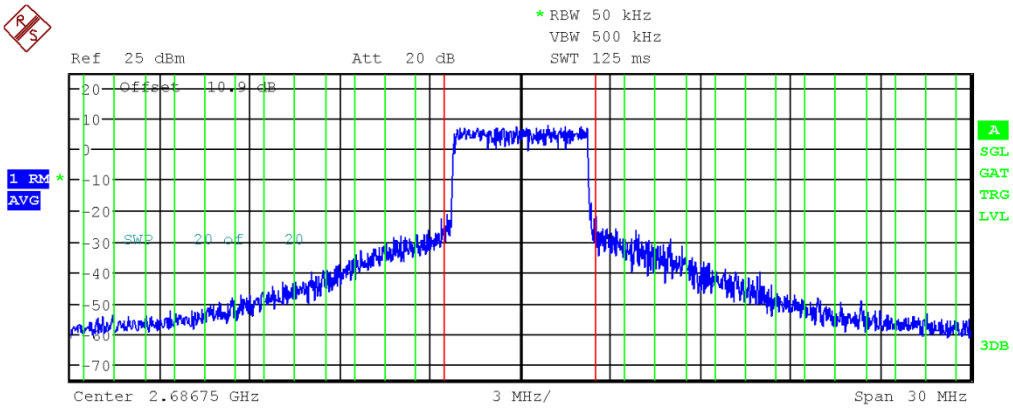


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		23.92 dBm	
Adjacent	1.000 MHz	4.000 MHz	-44.27 dB	-44.76 dB
Alternate	1.000 MHz	5.000 MHz	-47.89 dB	-48.04 dB
2nd Alt	1.000 MHz	6.000 MHz	-52.67 dB	-52.44 dB
3rd Alt	1.000 MHz	7.000 MHz	-57.06 dB	-56.59 dB
4th Alt	1.000 MHz	8.000 MHz	-59.98 dB	-58.96 dB
5th Alt	1.000 MHz	9.000 MHz	-62.45 dB	-61.83 dB
6th Alt	1.000 MHz	10.000 MHz	-64.34 dB	-64.16 dB
7th Alt	1.000 MHz	11.000 MHz	-66.05 dB	-66.18 dB
8th Alt	1.000 MHz	12.000 MHz	-67.62 dB	-67.74 dB
9th Alt	1.000 MHz	13.000 MHz	-68.62 dB	-68.85 dB
10th Alt	1.000 MHz	14.000 MHz	-69.18 dB	-69.36 dB

Band Edge OBW: 5MHz & Highest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna

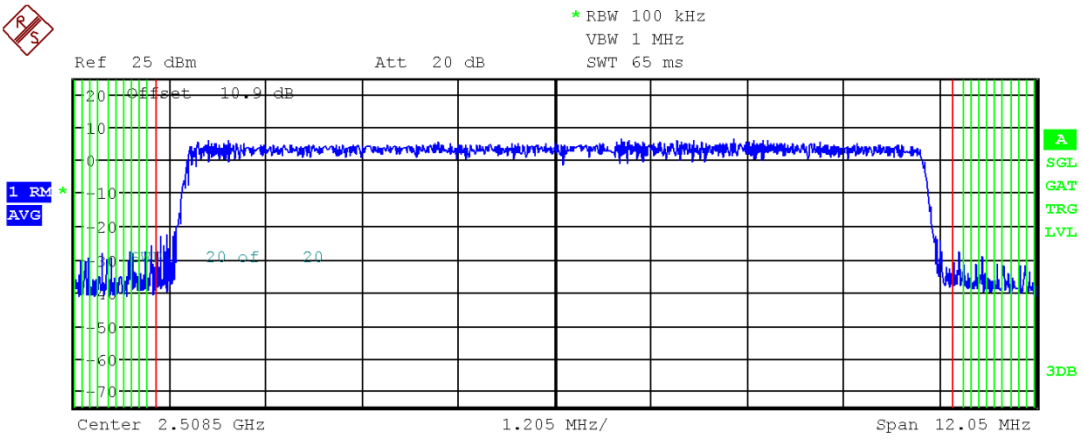


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		24.49 dBm	
Adjacent	50.000 kHz	2.525 MHz	-50.11 dB	-50.64 dB
Alternate	50.000 kHz	2.575 MHz	-50.09 dB	-50.70 dB
2nd Alt	50.000 kHz	2.625 MHz	-51.56 dB	-52.10 dB
3rd Alt	50.000 kHz	2.675 MHz	-50.93 dB	-52.21 dB
4th Alt	50.000 kHz	2.725 MHz	-51.72 dB	-52.99 dB
5th Alt	50.000 kHz	2.775 MHz	-52.94 dB	-52.27 dB
6th Alt	50.000 kHz	2.825 MHz	-52.43 dB	-53.10 dB
7th Alt	50.000 kHz	2.875 MHz	-51.71 dB	-51.73 dB
8th Alt	50.000 kHz	2.925 MHz	-52.63 dB	-52.98 dB
9th Alt	50.000 kHz	2.975 MHz	-52.38 dB	-53.28 dB
10th Alt	50.000 kHz	3.025 MHz	-53.00 dB	-54.15 dB
11th Alt	50.000 kHz	3.075 MHz	-53.79 dB	-54.62 dB

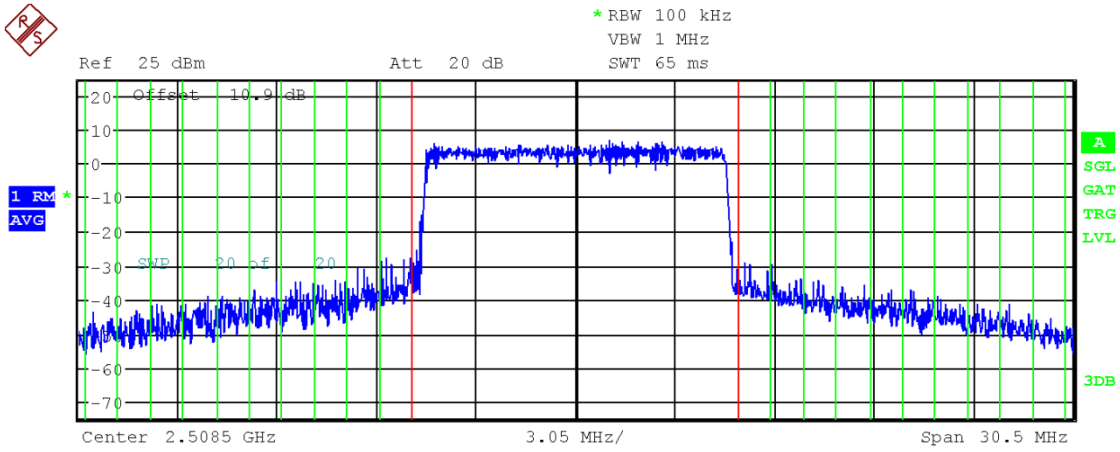


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	5.000 MHz		24.14 dBm	
Adjacent	1.000 MHz	4.000 MHz	-43.72 dB	-44.02 dB
Alternate	1.000 MHz	5.000 MHz	-46.96 dB	-46.89 dB
2nd Alt	1.000 MHz	6.000 MHz	-51.69 dB	-51.04 dB
3rd Alt	1.000 MHz	7.000 MHz	-55.65 dB	-54.97 dB
4th Alt	1.000 MHz	8.000 MHz	-58.79 dB	-58.11 dB
5th Alt	1.000 MHz	9.000 MHz	-61.60 dB	-61.66 dB
6th Alt	1.000 MHz	10.000 MHz	-64.25 dB	-64.50 dB
7th Alt	1.000 MHz	11.000 MHz	-66.67 dB	-66.24 dB
8th Alt	1.000 MHz	12.000 MHz	-67.96 dB	-67.71 dB
9th Alt	1.000 MHz	13.000 MHz	-68.66 dB	-68.46 dB
10th Alt	1.000 MHz	14.000 MHz	-69.18 dB	-69.49 dB

Band Edge OBW: 10MHz & Lowest Frequency & PUSC Zone & QPSK1/2 & Main Antenna

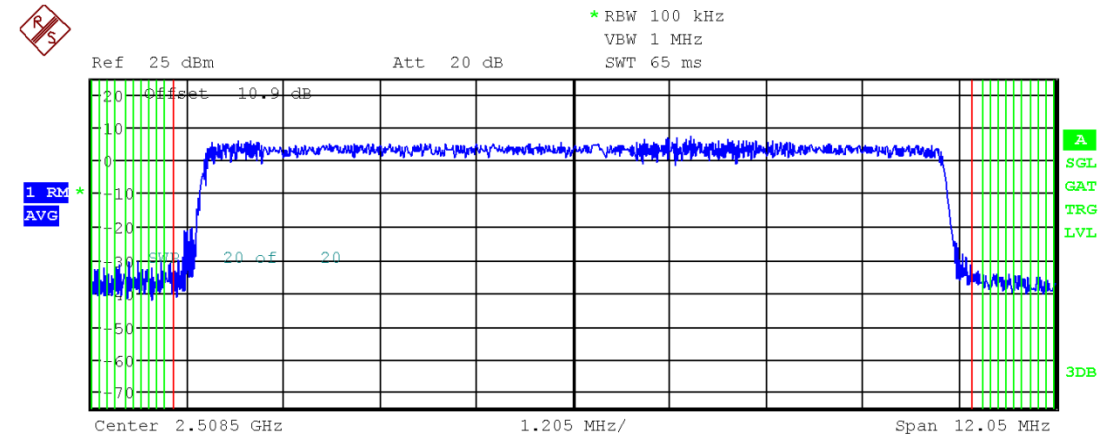


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		22.71 dBm	
Adjacent	100.000 kHz	5.050 MHz	-56.36 dB	-57.22 dB
Alternate	100.000 kHz	5.150 MHz	-58.49 dB	-59.41 dB
2nd Alt	100.000 kHz	5.250 MHz	-58.48 dB	-60.00 dB
3rd Alt	100.000 kHz	5.350 MHz	-56.94 dB	-58.65 dB
4th Alt	100.000 kHz	5.450 MHz	-60.32 dB	-61.05 dB
5th Alt	100.000 kHz	5.550 MHz	-58.97 dB	-60.03 dB
6th Alt	100.000 kHz	5.650 MHz	-58.55 dB	-59.70 dB
7th Alt	100.000 kHz	5.750 MHz	-61.09 dB	-61.41 dB
8th Alt	100.000 kHz	5.850 MHz	-58.26 dB	-59.74 dB
9th Alt	100.000 kHz	5.950 MHz	-59.64 dB	-60.72 dB

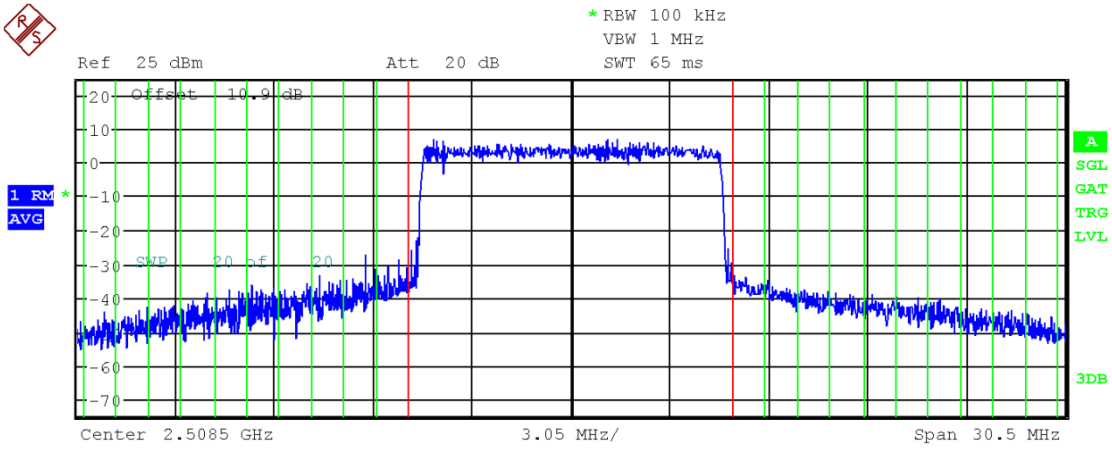


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		22.77 dBm	
Adjacent	1.000 MHz	6.500 MHz	-51.53 dB	-51.51 dB
Alternate	1.000 MHz	7.500 MHz	-53.30 dB	-53.34 dB
2nd Alt	1.000 MHz	8.500 MHz	-54.33 dB	-54.47 dB
3rd Alt	1.000 MHz	9.500 MHz	-55.31 dB	-55.70 dB
4th Alt	1.000 MHz	10.500 MHz	-56.93 dB	-56.45 dB
5th Alt	1.000 MHz	11.500 MHz	-58.07 dB	-57.77 dB
6th Alt	1.000 MHz	12.500 MHz	-59.32 dB	-59.20 dB
7th Alt	1.000 MHz	13.500 MHz	-61.68 dB	-60.73 dB
8th Alt	1.000 MHz	14.500 MHz	-62.52 dB	-62.84 dB

Band Edge OBW: 10MHz & Lowest Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

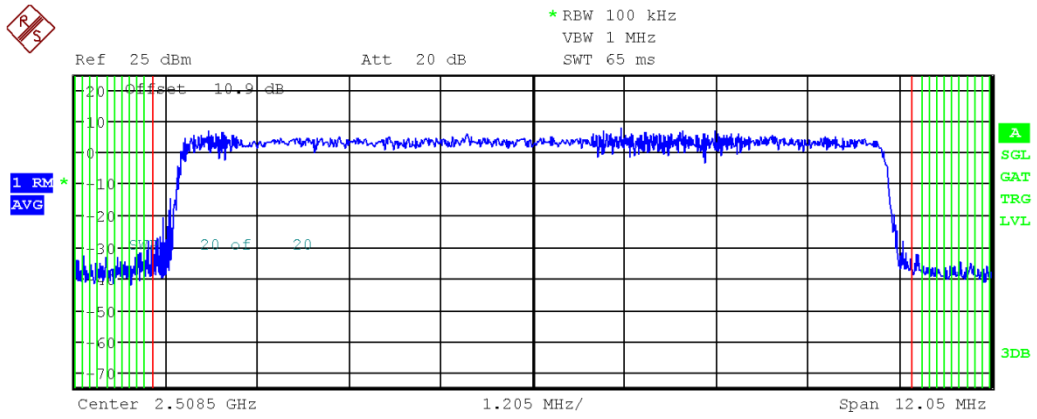


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	**10.000 MHz**		**22.75 dBm**	
Adjacent	100.000 kHz	5.050 MHz	-57.59 dB	-58.49 dB
Alternate	100.000 kHz	5.150 MHz	-58.24 dB	-59.44 dB
2nd Alt	100.000 kHz	5.250 MHz	-59.86 dB	-59.36 dB
3rd Alt	100.000 kHz	5.350 MHz	-58.54 dB	-59.71 dB
4th Alt	100.000 kHz	5.450 MHz	-59.36 dB	-60.41 dB
5th Alt	100.000 kHz	5.550 MHz	-58.39 dB	-59.95 dB
6th Alt	100.000 kHz	5.650 MHz	-59.16 dB	-60.69 dB
7th Alt	100.000 kHz	5.750 MHz	-59.98 dB	-61.20 dB
8th Alt	100.000 kHz	5.850 MHz	-59.49 dB	-60.62 dB
9th Alt	100.000 kHz	5.950 MHz	-59.84 dB	-61.27 dB

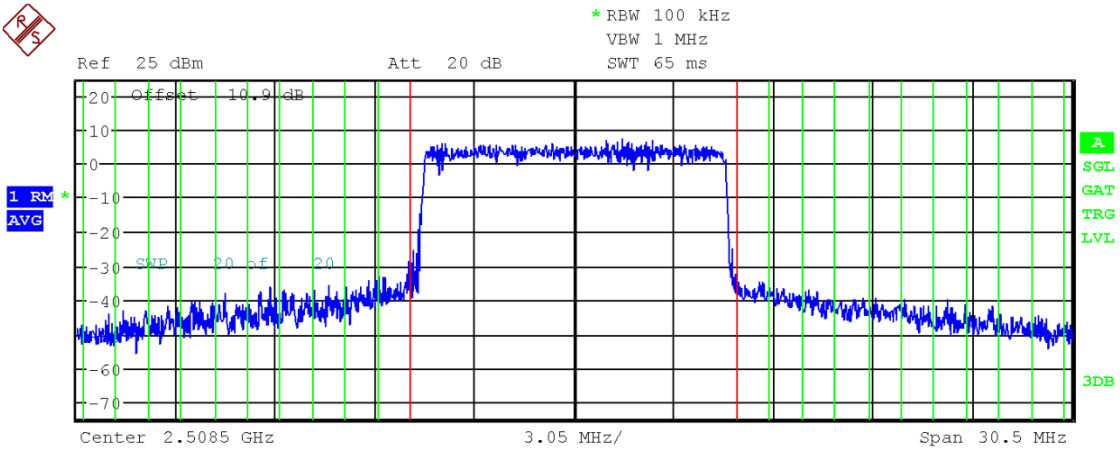


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	**10.000 MHz**		**22.71 dBm**	
Adjacent	1.000 MHz	6.500 MHz	-50.88 dB	-52.08 dB
Alternate	1.000 MHz	7.500 MHz	-52.38 dB	-53.48 dB
2nd Alt	1.000 MHz	8.500 MHz	-54.25 dB	-55.06 dB
3rd Alt	1.000 MHz	9.500 MHz	-55.26 dB	-56.01 dB
4th Alt	1.000 MHz	10.500 MHz	-56.53 dB	-56.77 dB
5th Alt	1.000 MHz	11.500 MHz	-58.01 dB	-57.66 dB
6th Alt	1.000 MHz	12.500 MHz	-59.53 dB	-59.53 dB
7th Alt	1.000 MHz	13.500 MHz	-61.34 dB	-60.50 dB
8th Alt	1.000 MHz	14.500 MHz	-62.74 dB	-62.36 dB

Band Edge OBW: 10MHz & Lowest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna

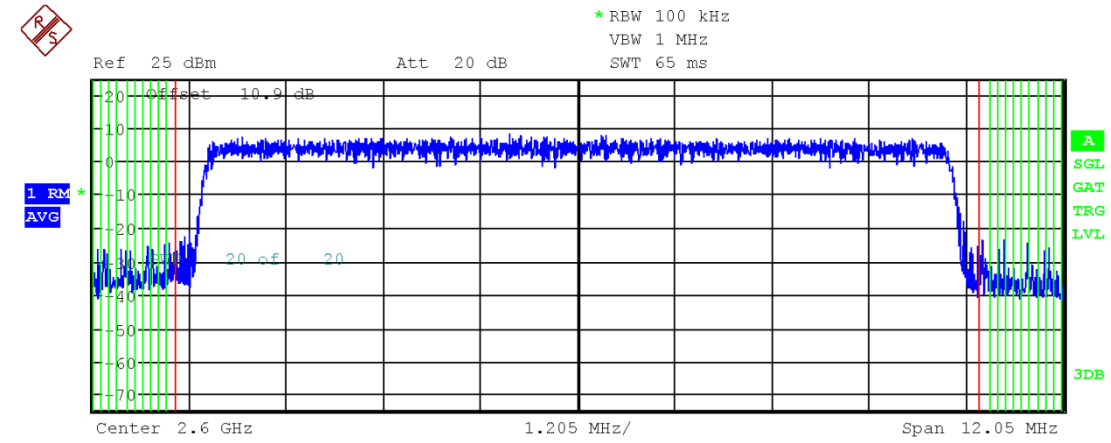


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		22.74 dBm	
Adjacent	100.000 kHz	5.050 MHz	-56.94 dB	-58.67 dB
Alternate	100.000 kHz	5.150 MHz	-58.69 dB	-60.71 dB
2nd Alt	100.000 kHz	5.250 MHz	-60.56 dB	-61.07 dB
3rd Alt	100.000 kHz	5.350 MHz	-60.42 dB	-61.41 dB
4th Alt	100.000 kHz	5.450 MHz	-60.09 dB	-61.49 dB
5th Alt	100.000 kHz	5.550 MHz	-61.54 dB	-61.31 dB
6th Alt	100.000 kHz	5.650 MHz	-60.48 dB	-61.37 dB
7th Alt	100.000 kHz	5.750 MHz	-61.11 dB	-60.66 dB
8th Alt	100.000 kHz	5.850 MHz	-61.17 dB	-61.76 dB
9th Alt	100.000 kHz	5.950 MHz	-60.80 dB	-62.10 dB

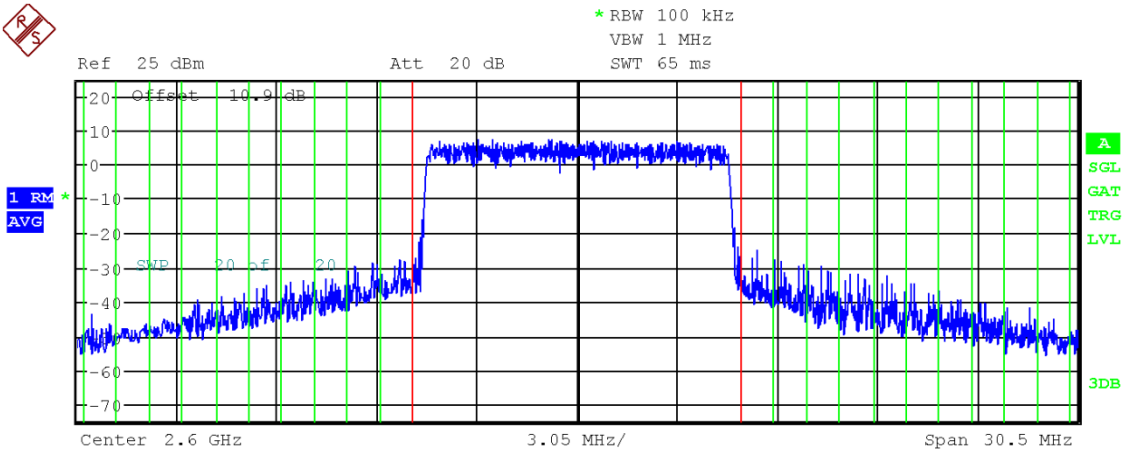


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		22.85 dBm	
Adjacent	1.000 MHz	6.500 MHz	-52.19 dB	-52.80 dB
Alternate	1.000 MHz	7.500 MHz	-54.63 dB	-54.41 dB
2nd Alt	1.000 MHz	8.500 MHz	-54.77 dB	-55.95 dB
3rd Alt	1.000 MHz	9.500 MHz	-56.40 dB	-56.74 dB
4th Alt	1.000 MHz	10.500 MHz	-57.42 dB	-57.74 dB
5th Alt	1.000 MHz	11.500 MHz	-58.10 dB	-58.92 dB
6th Alt	1.000 MHz	12.500 MHz	-59.80 dB	-59.53 dB
7th Alt	1.000 MHz	13.500 MHz	-60.98 dB	-61.32 dB
8th Alt	1.000 MHz	14.500 MHz	-63.14 dB	-62.19 dB

Band Edge OBW: 10MHz & Middle Frequency & PUSC Zone & QPSK1/2 & Main Antenna

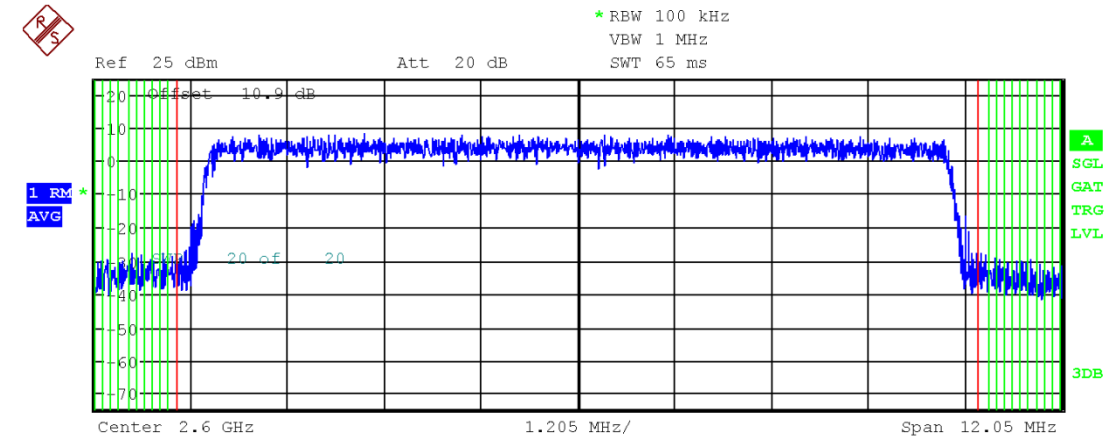


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.58 dBm	
Adjacent	100.000 kHz	5.050 MHz	-54.71 dB	-54.98 dB
Alternate	100.000 kHz	5.150 MHz	-57.37 dB	-59.73 dB
2nd Alt	100.000 kHz	5.250 MHz	-56.77 dB	-56.03 dB
3rd Alt	100.000 kHz	5.350 MHz	-56.19 dB	-59.41 dB
4th Alt	100.000 kHz	5.450 MHz	-57.65 dB	-59.13 dB
5th Alt	100.000 kHz	5.550 MHz	-57.28 dB	-57.12 dB
6th Alt	100.000 kHz	5.650 MHz	-56.67 dB	-59.53 dB
7th Alt	100.000 kHz	5.750 MHz	-59.98 dB	-59.59 dB
8th Alt	100.000 kHz	5.850 MHz	-56.70 dB	-57.88 dB
9th Alt	100.000 kHz	5.950 MHz	-58.11 dB	-60.83 dB

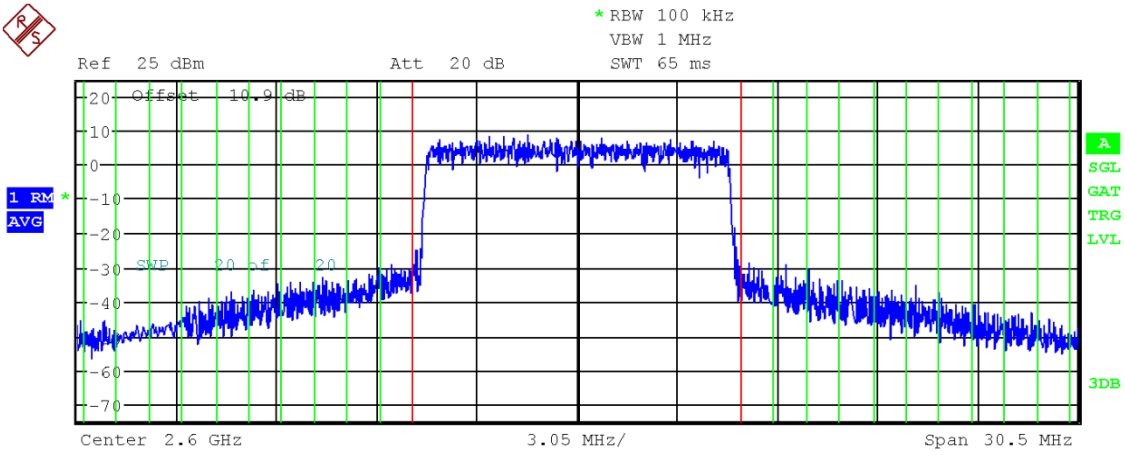


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.51 dBm	
Adjacent	1.000 MHz	6.500 MHz	-49.60 dB	-50.18 dB
Alternate	1.000 MHz	7.500 MHz	-52.34 dB	-52.08 dB
2nd Alt	1.000 MHz	8.500 MHz	-53.21 dB	-53.59 dB
3rd Alt	1.000 MHz	9.500 MHz	-55.83 dB	-55.73 dB
4th Alt	1.000 MHz	10.500 MHz	-57.31 dB	-56.63 dB
5th Alt	1.000 MHz	11.500 MHz	-58.95 dB	-59.14 dB
6th Alt	1.000 MHz	12.500 MHz	-61.65 dB	-60.47 dB
7th Alt	1.000 MHz	13.500 MHz	-63.26 dB	-62.63 dB
8th Alt	1.000 MHz	14.500 MHz	-64.10 dB	-64.61 dB

Band Edge OBW: 10MHz & Middle Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

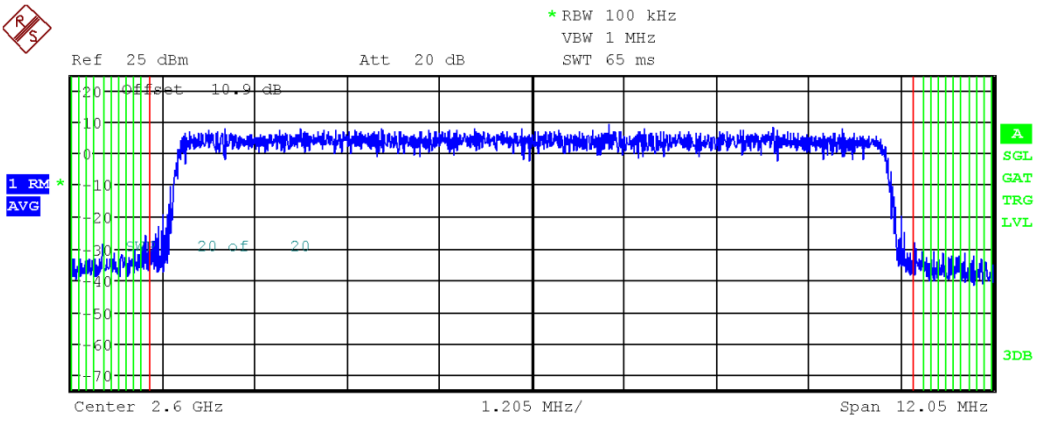


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.62 dBm	
Adjacent	100.000 kHz	5.050 MHz	-56.22 dB	-56.88 dB
Alternate	100.000 kHz	5.150 MHz	-56.99 dB	-58.01 dB
2nd Alt	100.000 kHz	5.250 MHz	-57.87 dB	-57.93 dB
3rd Alt	100.000 kHz	5.350 MHz	-56.67 dB	-58.38 dB
4th Alt	100.000 kHz	5.450 MHz	-57.87 dB	-59.60 dB
5th Alt	100.000 kHz	5.550 MHz	-56.70 dB	-57.90 dB
6th Alt	100.000 kHz	5.650 MHz	-57.57 dB	-59.58 dB
7th Alt	100.000 kHz	5.750 MHz	-58.71 dB	-60.32 dB
8th Alt	100.000 kHz	5.850 MHz	-57.50 dB	-60.31 dB
9th Alt	100.000 kHz	5.950 MHz	-58.84 dB	-60.34 dB

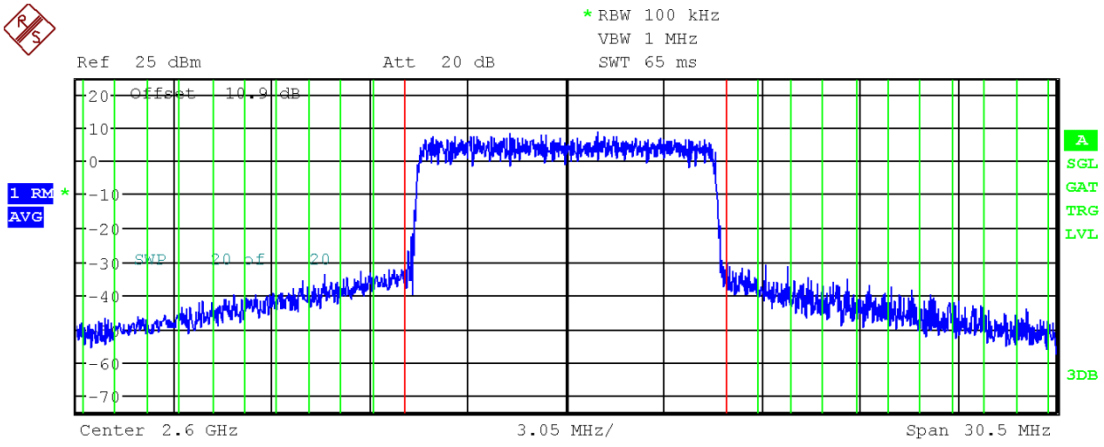


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.50 dBm	
Adjacent	1.000 MHz	6.500 MHz	-49.95 dB	-50.67 dB
Alternate	1.000 MHz	7.500 MHz	-51.62 dB	-52.66 dB
2nd Alt	1.000 MHz	8.500 MHz	-53.20 dB	-54.16 dB
3rd Alt	1.000 MHz	9.500 MHz	-54.91 dB	-55.58 dB
4th Alt	1.000 MHz	10.500 MHz	-56.79 dB	-56.70 dB
5th Alt	1.000 MHz	11.500 MHz	-58.81 dB	-58.87 dB
6th Alt	1.000 MHz	12.500 MHz	-61.65 dB	-60.67 dB
7th Alt	1.000 MHz	13.500 MHz	-63.34 dB	-62.10 dB
8th Alt	1.000 MHz	14.500 MHz	-64.23 dB	-64.11 dB

Band Edge OBW: 10MHz & Middle Frequency & PUSC Zone & 64QAM5/6 & Main Antenna

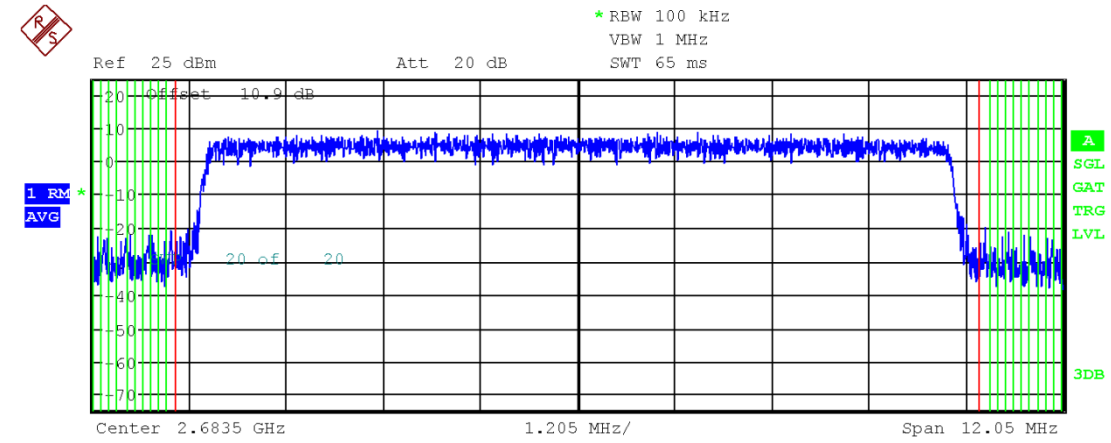


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.65 dBm	
Adjacent	100.000 kHz	5.050 MHz	-55.45 dB	-57.39 dB
Alternate	100.000 kHz	5.150 MHz	-58.16 dB	-59.49 dB
2nd Alt	100.000 kHz	5.250 MHz	-58.39 dB	-60.20 dB
3rd Alt	100.000 kHz	5.350 MHz	-58.32 dB	-60.55 dB
4th Alt	100.000 kHz	5.450 MHz	-59.09 dB	-60.18 dB
5th Alt	100.000 kHz	5.550 MHz	-59.19 dB	-59.92 dB
6th Alt	100.000 kHz	5.650 MHz	-58.65 dB	-60.61 dB
7th Alt	100.000 kHz	5.750 MHz	-59.66 dB	-60.57 dB
8th Alt	100.000 kHz	5.850 MHz	-59.68 dB	-61.15 dB
9th Alt	100.000 kHz	5.950 MHz	-59.81 dB	-61.59 dB

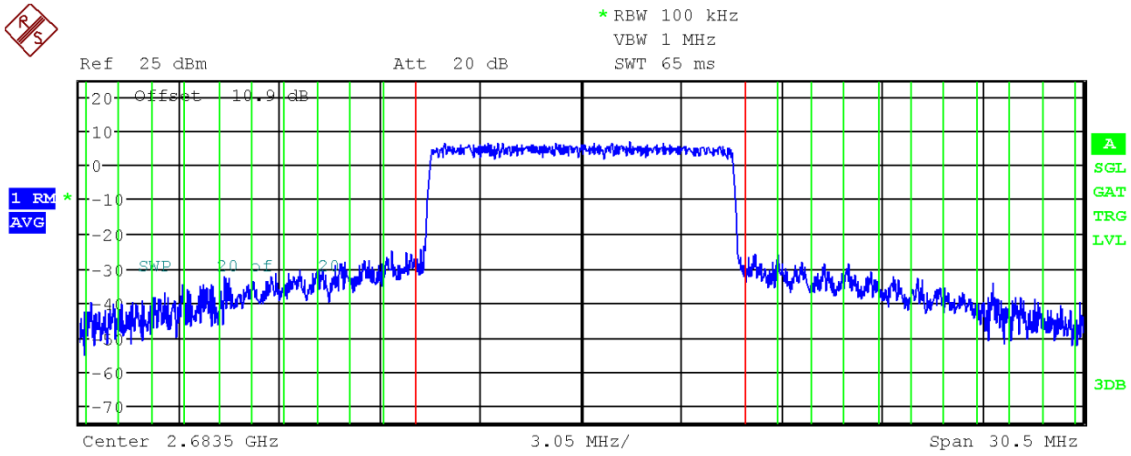


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.58 dBm	
Adjacent	1.000 MHz	6.500 MHz	-51.35 dB	-52.39 dB
Alternate	1.000 MHz	7.500 MHz	-53.07 dB	-54.31 dB
2nd Alt	1.000 MHz	8.500 MHz	-54.81 dB	-55.38 dB
3rd Alt	1.000 MHz	9.500 MHz	-56.45 dB	-57.08 dB
4th Alt	1.000 MHz	10.500 MHz	-58.61 dB	-58.09 dB
5th Alt	1.000 MHz	11.500 MHz	-60.23 dB	-59.85 dB
6th Alt	1.000 MHz	12.500 MHz	-62.37 dB	-61.15 dB
7th Alt	1.000 MHz	13.500 MHz	-63.39 dB	-63.40 dB
8th Alt	1.000 MHz	14.500 MHz	-64.76 dB	-64.02 dB

Band Edge OBW: 10MHz & Highest Frequency & PUSC Zone & QPSK1/2 & Main Antenna

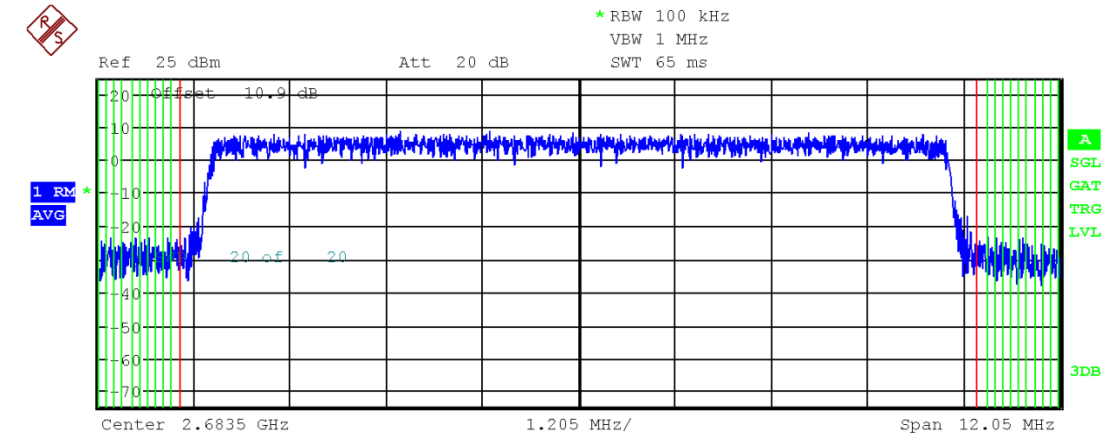


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		24.19 dBm	
Adjacent	100.000 kHz	5.050 MHz	-51.64 dB	-51.61 dB
Alternate	100.000 kHz	5.150 MHz	-54.52 dB	-54.26 dB
2nd Alt	100.000 kHz	5.250 MHz	-52.59 dB	-54.80 dB
3rd Alt	100.000 kHz	5.350 MHz	-51.70 dB	-52.73 dB
4th Alt	100.000 kHz	5.450 MHz	-54.95 dB	-55.37 dB
5th Alt	100.000 kHz	5.550 MHz	-52.58 dB	-54.24 dB
6th Alt	100.000 kHz	5.650 MHz	-53.28 dB	-53.50 dB
7th Alt	100.000 kHz	5.750 MHz	-55.72 dB	-56.38 dB
8th Alt	100.000 kHz	5.850 MHz	-52.57 dB	-53.25 dB
9th Alt	100.000 kHz	5.950 MHz	-54.29 dB	-54.64 dB

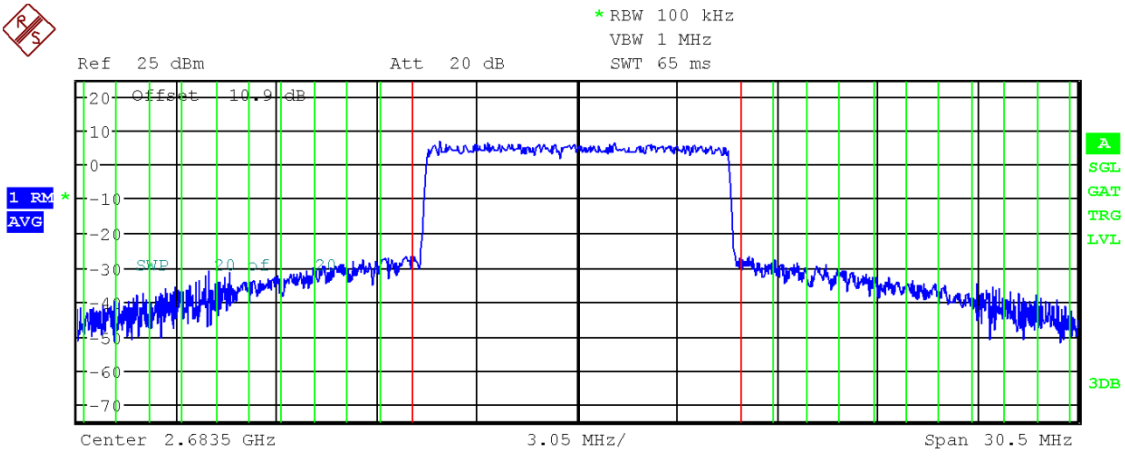


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.94 dBm	
Adjacent	1.000 MHz	6.500 MHz	-45.91 dB	-46.61 dB
Alternate	1.000 MHz	7.500 MHz	-46.87 dB	-48.05 dB
2nd Alt	1.000 MHz	8.500 MHz	-48.73 dB	-48.52 dB
3rd Alt	1.000 MHz	9.500 MHz	-50.50 dB	-51.29 dB
4th Alt	1.000 MHz	10.500 MHz	-52.00 dB	-52.25 dB
5th Alt	1.000 MHz	11.500 MHz	-53.96 dB	-54.23 dB
6th Alt	1.000 MHz	12.500 MHz	-55.66 dB	-56.04 dB
7th Alt	1.000 MHz	13.500 MHz	-58.35 dB	-57.44 dB
8th Alt	1.000 MHz	14.500 MHz	-59.40 dB	-59.87 dB

Band Edge OBW: 10MHz & Highest Frequency & PUSC Zone & 16QAM1/2 & Main Antenna

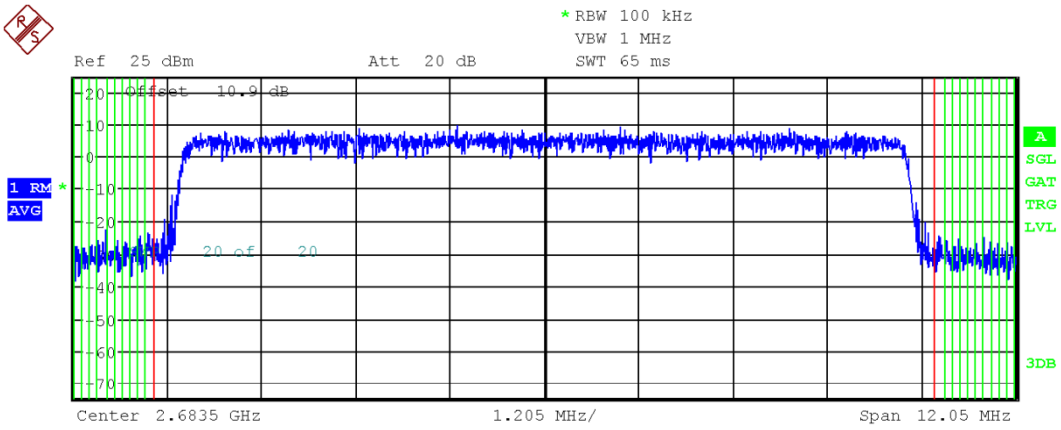


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		24.24 dBm	
Adjacent	100.000 kHz	5.050 MHz	-52.57 dB	-52.88 dB
Alternate	100.000 kHz	5.150 MHz	-53.24 dB	-52.90 dB
2nd Alt	100.000 kHz	5.250 MHz	-53.32 dB	-53.64 dB
3rd Alt	100.000 kHz	5.350 MHz	-51.95 dB	-52.94 dB
4th Alt	100.000 kHz	5.450 MHz	-53.68 dB	-54.91 dB
5th Alt	100.000 kHz	5.550 MHz	-51.79 dB	-52.89 dB
6th Alt	100.000 kHz	5.650 MHz	-52.89 dB	-54.04 dB
7th Alt	100.000 kHz	5.750 MHz	-53.59 dB	-55.75 dB
8th Alt	100.000 kHz	5.850 MHz	-52.49 dB	-54.53 dB
9th Alt	100.000 kHz	5.950 MHz	-53.90 dB	-55.04 dB

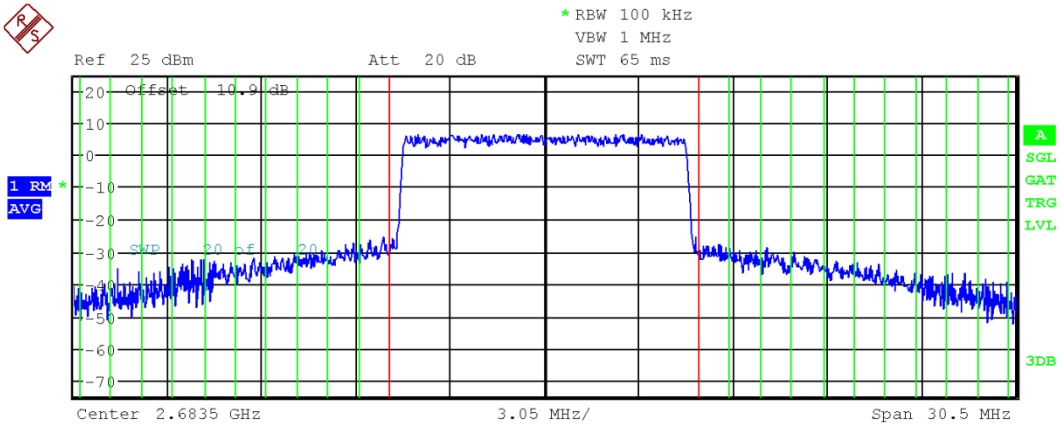


Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		23.99 dBm	
Adjacent	1.000 MHz	6.500 MHz	-44.98 dB	-45.58 dB
Alternate	1.000 MHz	7.500 MHz	-45.59 dB	-46.83 dB
2nd Alt	1.000 MHz	8.500 MHz	-47.86 dB	-47.96 dB
3rd Alt	1.000 MHz	9.500 MHz	-49.54 dB	-49.92 dB
4th Alt	1.000 MHz	10.500 MHz	-50.89 dB	-51.02 dB
5th Alt	1.000 MHz	11.500 MHz	-52.93 dB	-53.10 dB
6th Alt	1.000 MHz	12.500 MHz	-54.93 dB	-54.58 dB
7th Alt	1.000 MHz	13.500 MHz	-57.29 dB	-56.74 dB
8th Alt	1.000 MHz	14.500 MHz	-58.80 dB	-58.38 dB

Band Edge OBW: 10MHz & Highest Frequency & PUSC Zone & 64QAM5/6 & Main Antenna



Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		24.21 dBm	
Adjacent	100.000 kHz	5.050 MHz	-51.91 dB	-52.93 dB
Alternate	100.000 kHz	5.150 MHz	-54.27 dB	-54.59 dB
2nd Alt	100.000 kHz	5.250 MHz	-54.74 dB	-55.20 dB
3rd Alt	100.000 kHz	5.350 MHz	-53.84 dB	-54.95 dB
4th Alt	100.000 kHz	5.450 MHz	-54.81 dB	-54.74 dB
5th Alt	100.000 kHz	5.550 MHz	-54.78 dB	-54.65 dB
6th Alt	100.000 kHz	5.650 MHz	-53.71 dB	-55.14 dB
7th Alt	100.000 kHz	5.750 MHz	-55.23 dB	-55.69 dB
8th Alt	100.000 kHz	5.850 MHz	-55.25 dB	-55.49 dB
9th Alt	100.000 kHz	5.950 MHz	-54.86 dB	-56.06 dB



Channel	Bandwidth	Spacing	Lower	Upper
Tx Channel	10.000 MHz		24.12 dBm	
Adjacent	1.000 MHz	6.500 MHz	-45.72 dB	-46.72 dB
Alternate	1.000 MHz	7.500 MHz	-46.75 dB	-47.52 dB
2nd Alt	1.000 MHz	8.500 MHz	-48.53 dB	-48.43 dB
3rd Alt	1.000 MHz	9.500 MHz	-50.35 dB	-50.33 dB
4th Alt	1.000 MHz	10.500 MHz	-51.05 dB	-51.61 dB
5th Alt	1.000 MHz	11.500 MHz	-52.29 dB	-53.83 dB
6th Alt	1.000 MHz	12.500 MHz	-55.34 dB	-55.46 dB
7th Alt	1.000 MHz	13.500 MHz	-57.25 dB	-56.91 dB
8th Alt	1.000 MHz	14.500 MHz	-59.10 dB	-58.26 dB