

40 MHz Bandwidth; Highest output power settings					
Power Setting	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5745	AQU	25.6	30	PASS
27	5745	BPSK	26.7	30	PASS
26	5745	QPSK	25.7	30	PASS
25	5745	16 QAM	24.6	30	PASS
24	5745	64 QAM	23.5	30	PASS
23	5745	256 QAM	22.4	30	PASS

40 MHz Bandwidth; Highest output power settings					
Power Setting	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5788	AQU	25.5	30	PASS
27	5788	BPSK	26.7	30	PASS
26	5788	QPSK	25.2	30	PASS
25	5788	16 QAM	24.2	30	PASS
24	5788	64 QAM	23.2	30	PASS
23	5788	256 QAM	22.3	30	PASS

40 MHz Bandwidth; Highest output power settings					
Power Setting(dBm)	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5830	AQU	26.1	30	PASS
27	5830	BPSK	27.2	30	PASS
26	5830	QPSK	26.2	30	PASS
25	5830	16 QAM	25.1	30	PASS
24	5830	64 QAM	23.8	30	PASS
23	5830	256 QAM	22.6	30	PASS

45 MHz Bandwidth; Highest output power settings					
Power Setting	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5747.5	AQU	25.6	30	PASS
27	5747.5	BPSK	26.6	30	PASS
26	5747.5	QPSK	25.5	30	PASS
25	5747.5	16 QAM	24.6	30	PASS
24	5747.5	64 QAM	23.4	30	PASS
23	5747.5	256 QAM	22.4	30	PASS

45 MHz Bandwidth; Highest output power settings					
Power Setting	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5788	AQU	25.4	30	PASS
27	5788	BPSK	26.7	30	PASS
26	5788	QPSK	25.3	30	PASS
25	5788	16 QAM	24.2	30	PASS
24	5788	64 QAM	23.2	30	PASS
23	5788	256 QAM	22.3	30	PASS

45 MHz Bandwidth; Highest output power settings					
Power Setting(dBm)	Frequency (MHz)	Modulation	Total Combined Power (dBm)	Limit (dBm)	Result
27	5827.5	AQU	26.1	30	PASS
27	5827.5	BPSK	27.1	30	PASS
26	5827.5	QPSK	26.3	30	PASS
25	5827.5	16 QAM	25.2	30	PASS
24	5827.5	64 QAM	23.7	30	PASS
23	5827.5	256 QAM	22.8	30	PASS

15 Power spectral density

15.1 Definition

The power spectral density is the total energy output per unit bandwidth from a pulse or sequence of pulses for which the transmit power is at its maximum level, divided by the total duration of the pulses.

15.2 Test Parameters

Test Location:	Element Skelmersdale
Test Chamber:	Radio Laboratory
Test Standard and Clause:	ANSI C63.10-2013, Clause 12.5
EUT Frequencies Measured:	5727.5 MHz / 5788 MHz / 5847.5 MHz
EUT Channel Bandwidths:	5 MHz
Deviations From Standard:	None
Measurement BW:	500 kHz
Spectrum Analyzer Video BW: (requirement at least 3x RBW)	5 MHz
Measurement Span: (requirement 1.5 times Channel BW)	10 MHz
Measurement Detector:	RMS

Environmental Conditions (Normal Environment)

Temperature: 24 °C	+15 °C to +35 °C (as declared)
Humidity: 32 %RH	20%RH to 75%RH (as declared)
Supply: -48 Vdc	-48Vdc (as declared)

Test Limits

For an access point operating in the band 5.15–5.25 GHz the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

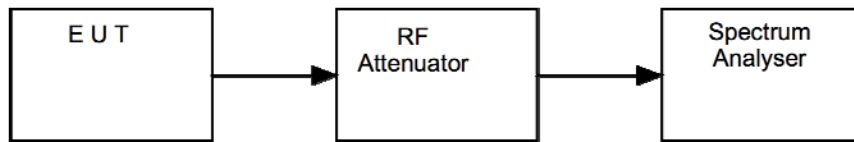
If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Fixed point-to-point U-NII-1 devices may employ antennas with directional gain up to 23dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

15.3 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure v, the peak emission of the EUT was measured on a spectrum analyser, with path losses taken into account. The measurements were performed with EUT set at its maximum duty. All modulation schemes, data rates and power settings were used to observe the worst case configuration in each bandwidth.

Figure v Test Setup

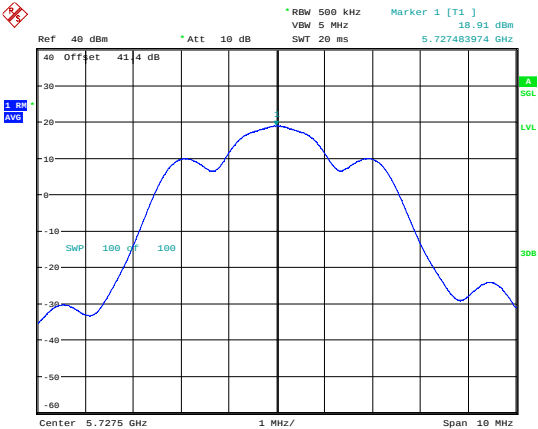


15.4 Test Equipment

<i>Equipment Description</i>	<i>Manufacturer</i>	<i>Equipment Type</i>	<i>Element No</i>	<i>Last Cal Calibration</i>	<i>Calibration Period</i>	<i>Due For Calibration</i>
Spectrum Analyser	R&S	FSU46	U281	2017-06-19	12	2018-06-19

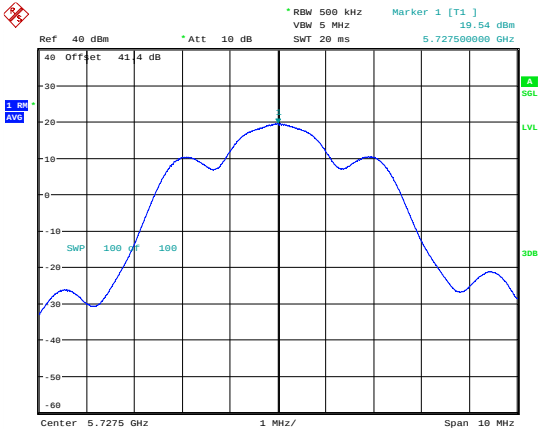
15.5 Test Results

Note: This test was performed only at the highest output power settings.



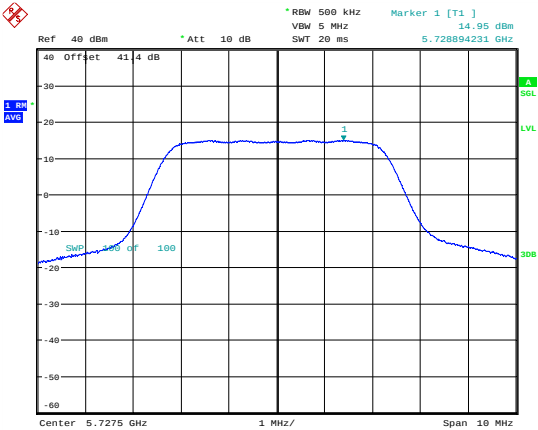
Date: 6.FEB.2018 12:28:10

PSD AQU; 5727.5 MHz; H Port.



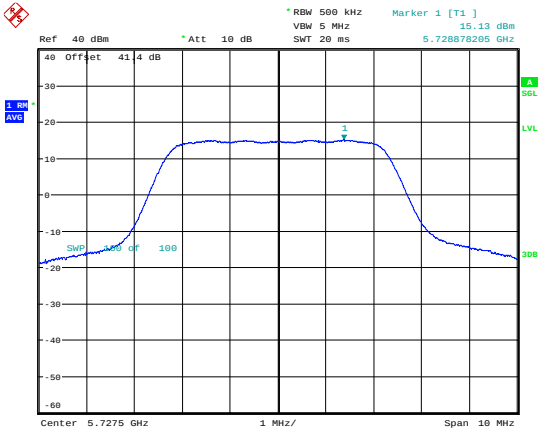
Date: 6.FEB.2018 13:06:03

PSD AQU; 5727.5 MHz; V Port.



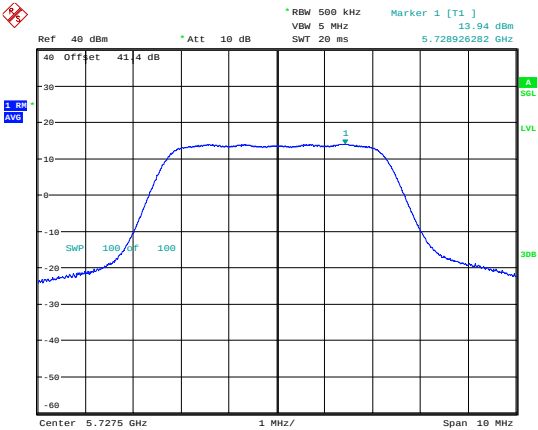
Date: 6.FEB.2018 12:24:56

PSD BPSK; 5727.5 MHz; H Port.



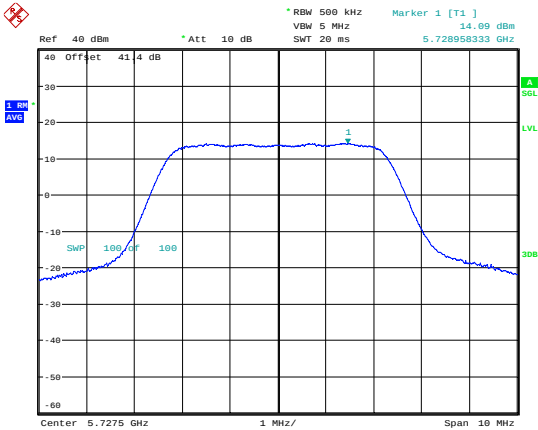
Date: 6.FEB.2018 13:05:21

PSD BPSK; 5727.5 MHz; V Port.



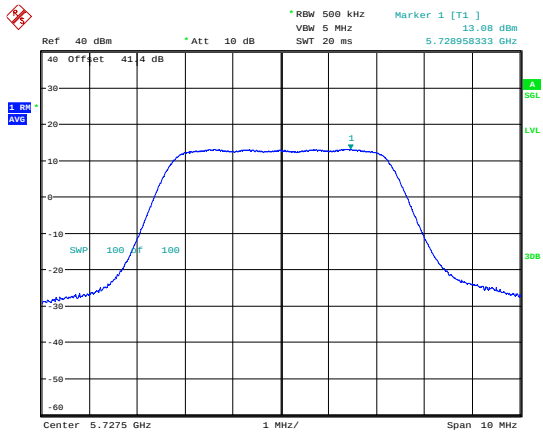
Date: 6.FEB.2018 12:29:22

PSD QPSK; 5727.5 MHz; H Port.



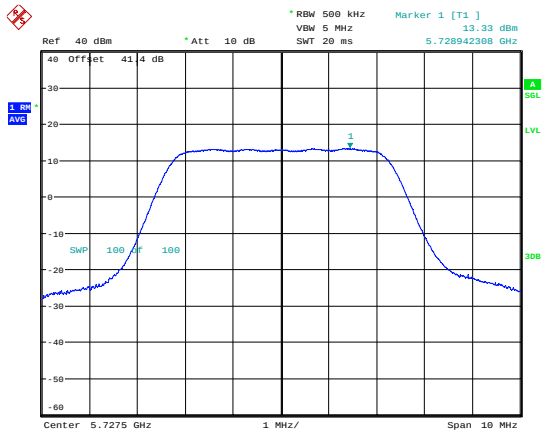
Date: 6.FEB.2018 13:04:30

PSD QPSK; 5727.5 MHz; V Port.



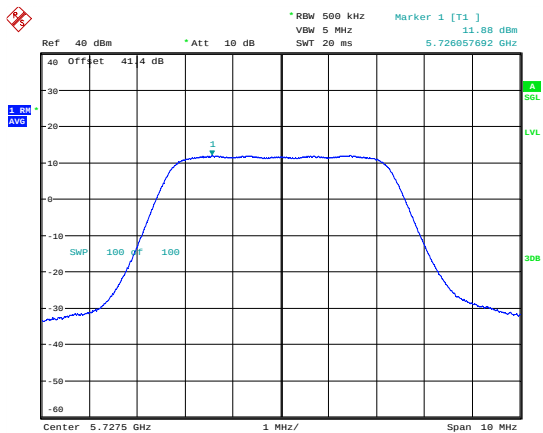
Date: 6.FEB.2018 12:07:20

PSD 16 QAM; 5727.5 MHz; H Port.



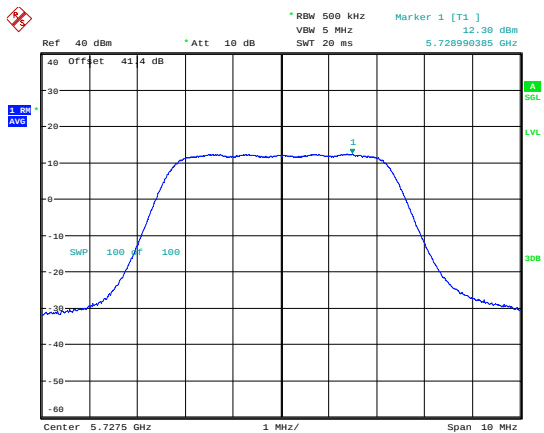
Date: 6.FEB.2018 13:03:22

PSD 16 QAM; 5727.5 MHz; V Port.



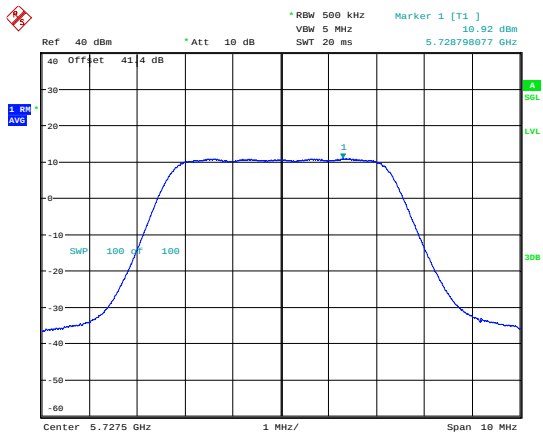
Date: 6.FEB.2018 12:30:41

PSD 64 QAM; 5727.5 MHz; H Port.



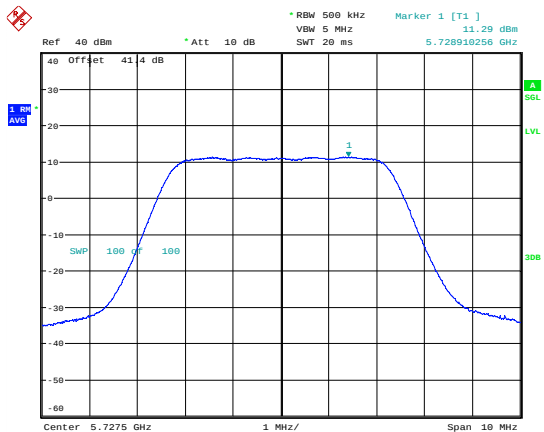
Date: 6.FEB.2018 13:02:10

PSD 64 QAM; 5727.5 MHz; V Port.



Date: 6.FEB.2018 12:31:52

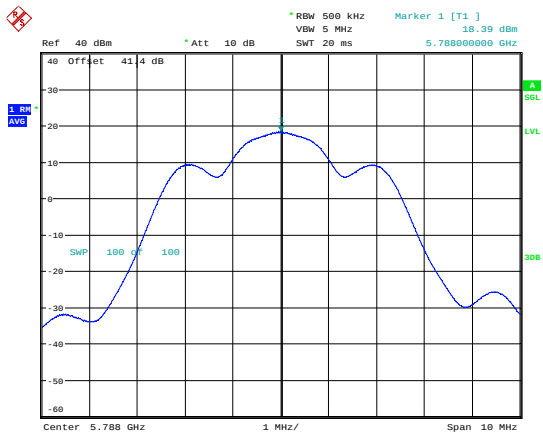
PSD 256 QAM; 5727.5 MHz; H Port.



Date: 6.FEB.2018 13:01:19

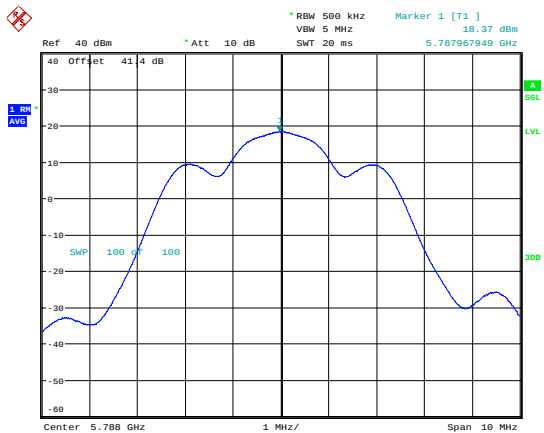
PSD 256 QAM; 5727.5 MHz; V Port.

<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>	<i>Modulation</i>	<i>Port H Power (dBm)</i>	<i>Port V Power (dBm)</i>	<i>Combined Power (dBm)</i>	<i>Limit (dBm)</i>	<i>Result</i>
5727.5	27	AQU	18.91	19.54	22.25	30	PASS
5727.5	27	BPSK	14.95	15.13	18.05	30	PASS
5727.5	26	QPSK	13.94	14.09	17.03	30	PASS
5727.5	25	16 QAM	13.08	13.33	16.22	30	PASS
5727.5	24	64 QAM	11.88	12.30	15.11	30	PASS
5727.5	23	256 QAM	10.92	11.29	14.12	30	PASS



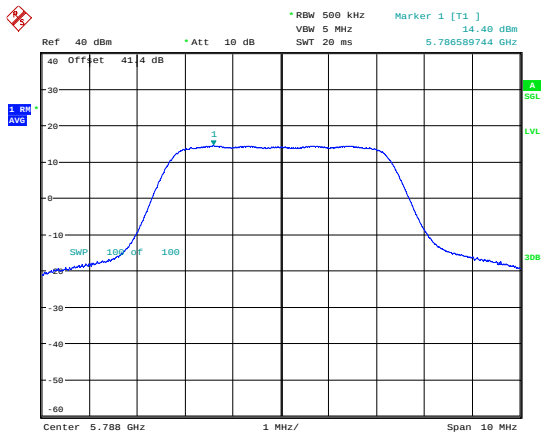
Date: 6.FEB.2018 12:38:18

PSD AQU; 5788 MHz; H Port.



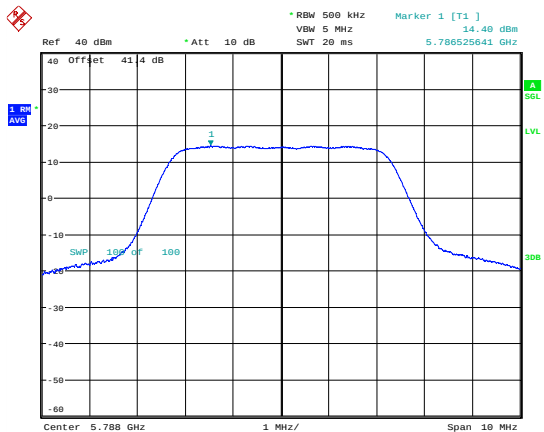
Date: 6.FEB.2018 12:54:15

PSD AQU; 5788 MHz; V Port.



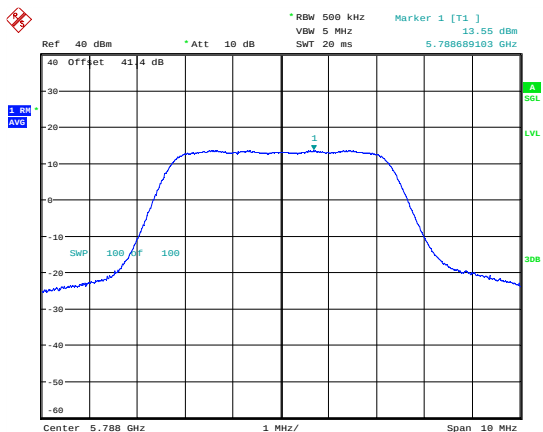
Date: 6.FEB.2018 12:37:26

PSD BPSK; 5788 MHz; H Port.



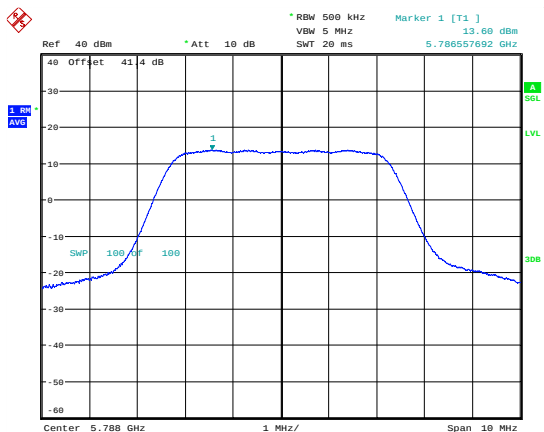
Date: 6.FEB.2018 12:55:31

PSD BPSK; 5788 MHz; V Port.



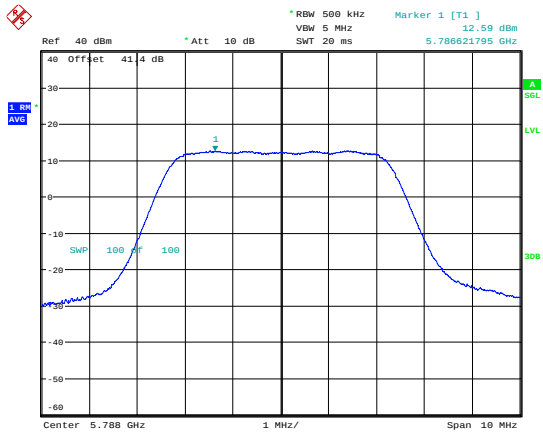
Date: 6.FEB.2018 12:36:37

PSD QPSK; 5788 MHz; H Port.



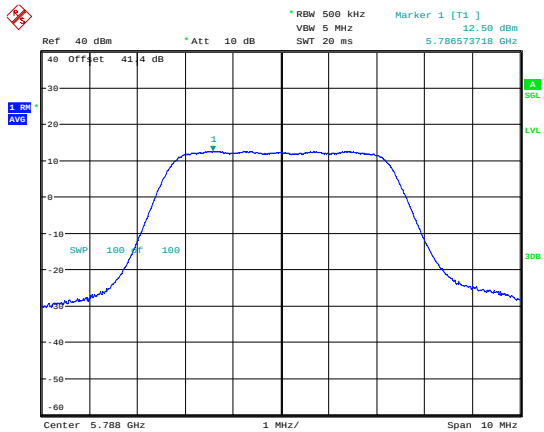
Date: 6.FEB.2018 12:56:29

PSD QPSK; 5788 MHz; V Port.



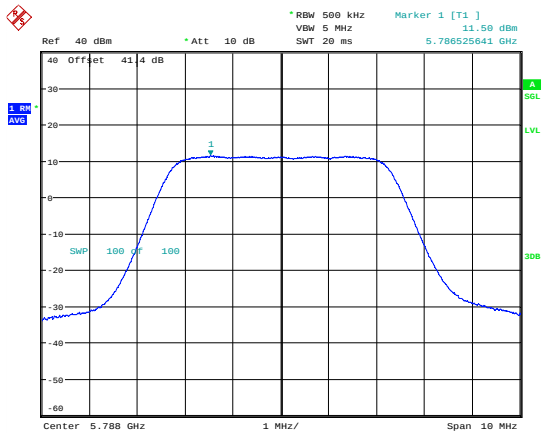
Date: 6.FEB.2018 12:11:09

PSD 16 QAM; 5788 MHz; H Port.



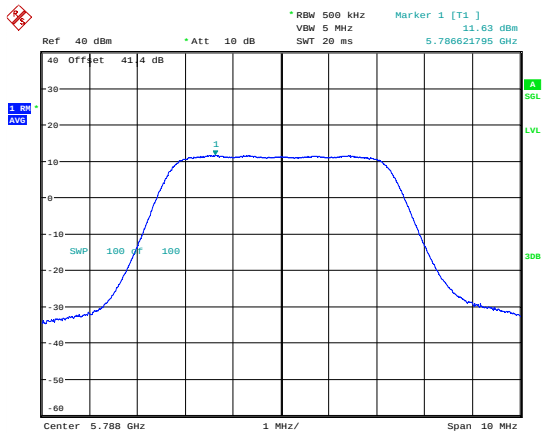
Date: 6.FEB.2018 12:57:31

PSD 16 QAM; 5788 MHz; V Port.



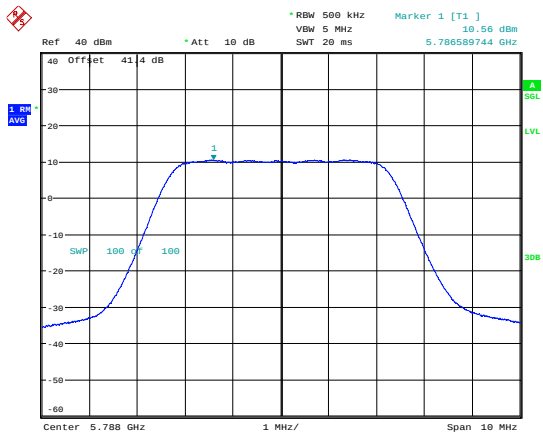
Date: 6.FEB.2018 12:35:17

PSD 64 QAM; 5788 MHz; H Port.



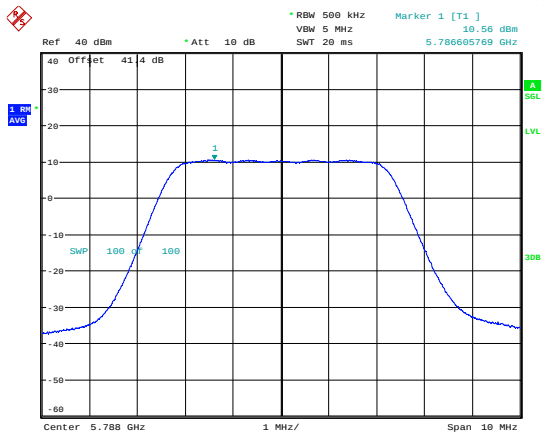
Date: 6.FEB.2018 12:58:49

PSD 64 QAM; 5788 MHz; V Port.



Date: 6.FEB.2018 12:33:58

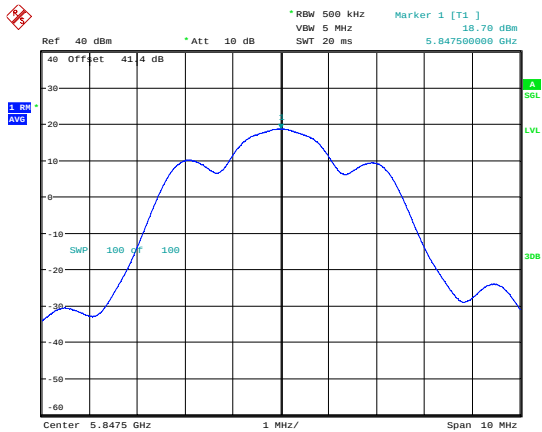
PSD 256 QAM; 5788 MHz; H Port.



Date: 6.FEB.2018 12:59:53

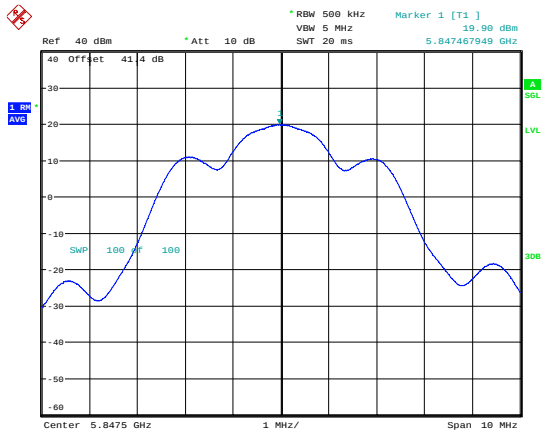
PSD 256 QAM; 5788 MHz; V Port.

<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>	<i>Modulation</i>	<i>Port H Power (dBm)</i>	<i>Port V Power (dBm)</i>	<i>Combined Power (dBm)</i>	<i>Limit (dBm)</i>	<i>Result</i>
5788	27	AQU	18.39	18.37	21.39	30	PASS
5788	27	BPSK	14.40	14.40	17.41	30	PASS
5788	26	QPSK	13.55	13.60	16.59	30	PASS
5788	25	16 QAM	12.59	12.50	15.56	30	PASS
5788	24	64 QAM	11.50	11.63	14.58	30	PASS
5788	23	256 QAM	10.56	10.56	13.57	30	PASS



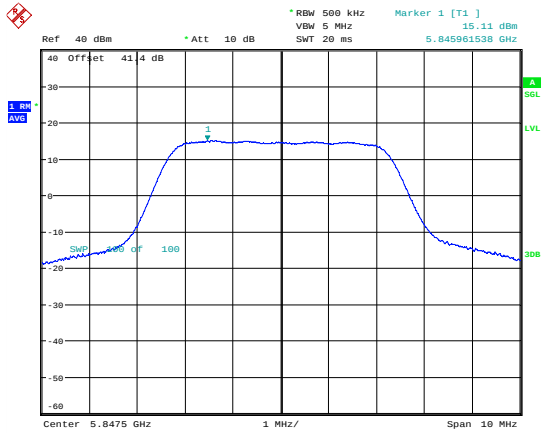
Date: 6.FEB.2018 12:40:13

PSD AQU; 5847.5 MHz; H Port.



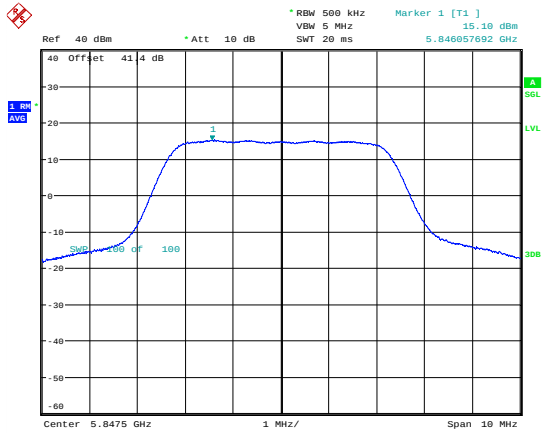
Date: 6.FEB.2018 12:53:02

PSD AQU; 5847.5 MHz; V Port.



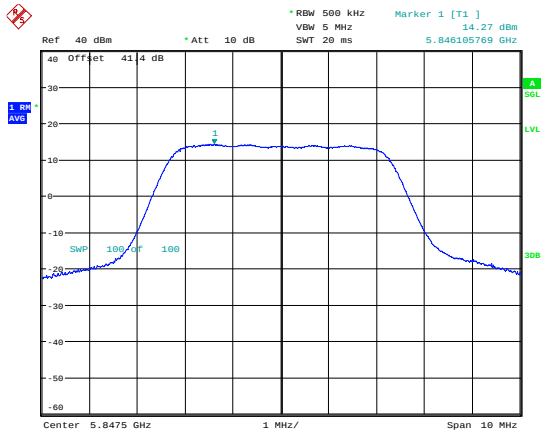
Date: 6.FEB.2018 12:41:08

PSD BPSK; 5847.5 MHz; H Port.



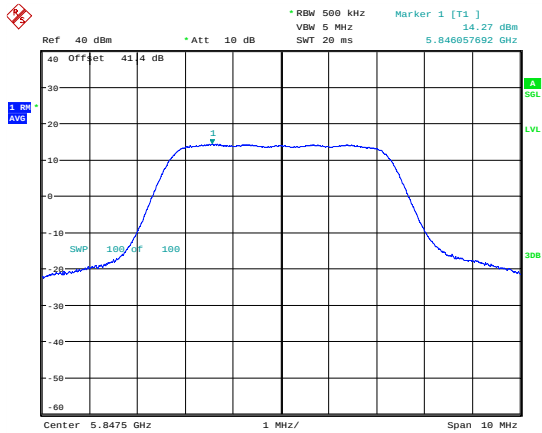
Date: 6.FEB.2018 12:52:10

PSD BPSK; 5847.5 MHz; V Port.



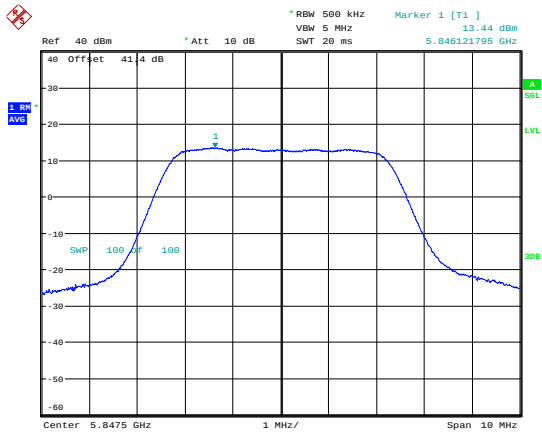
Date: 6.FEB.2018 12:41:59

PSD QPSK; 5847.5 MHz; H Port.



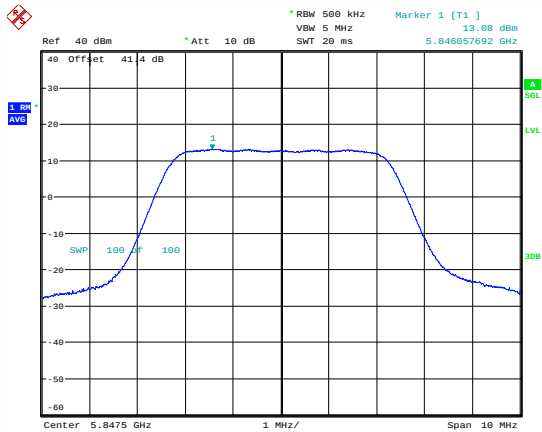
Date: 6.FEB.2018 12:50:54

PSD QPSK; 5847.5 MHz; V Port.



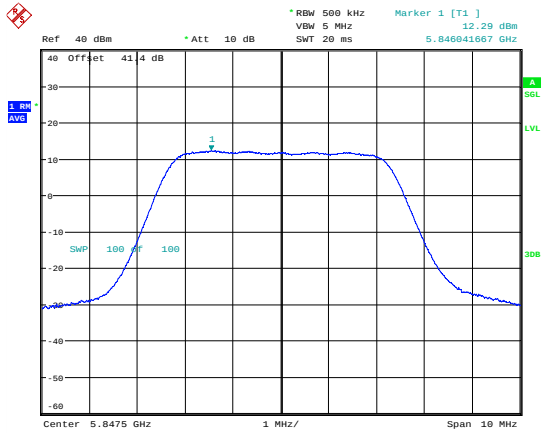
Date: 6.FEB.2018 12:42:47

PSD 16 QAM; 5847.5 MHz; H Port.



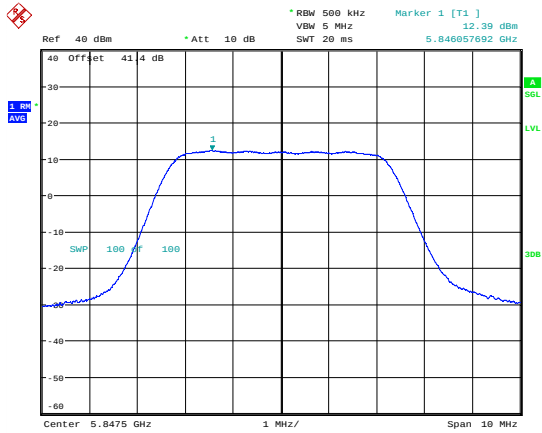
Date: 6.FEB.2018 12:49:43

PSD 16 QAM; 5847.5 MHz; V Port.



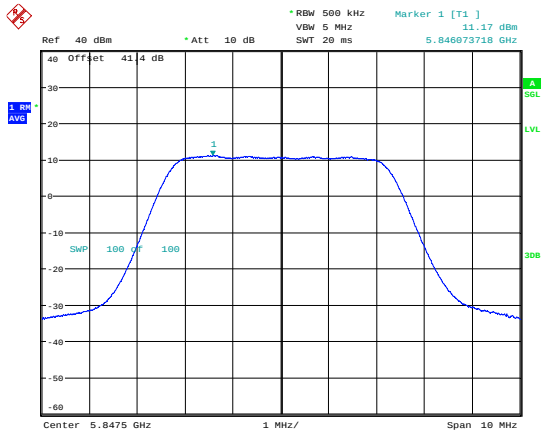
Date: 6.FEB.2018 12:44:01

PSD 64 QAM; 5847.5 MHz; H Port.



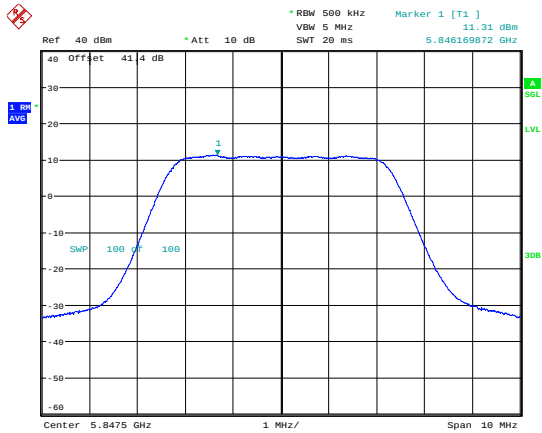
Date: 6.FEB.2018 12:48:49

PSD 64 QAM; 5847.5 MHz; V Port.



Date: 6.FEB.2018 12:45:20

PSD 256 QAM; 5847.5 MHz; H Port.



Date: 6.FEB.2018 12:47:44

PSD 256 QAM; 5847.5 MHz; V Port.

<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>	<i>Modulation</i>	<i>Port H Power (dBm)</i>	<i>Port V Power (dBm)</i>	<i>Combined Power (dBm)</i>	<i>Limit (dBm)</i>	<i>Result</i>
5847.5	27	AQU	18.70	19.90	22.35	30	PASS
5847.5	27	BPSK	15.11	15.10	18.12	30	PASS
5847.5	26	QPSK	14.27	14.27	17.28	30	PASS
5847.5	25	16 QAM	13.44	13.08	16.27	30	PASS
5847.5	24	64 QAM	12.29	12.39	15.35	30	PASS
5847.5	23	256 QAM	11.17	11.31	14.25	30	PASS

16 Out-of-band emissions

16.1 Definition

Out-of-band emission.

Emission on a frequency or frequencies immediately outside the necessary bandwidth that results from the modulation process but excluding spurious emissions.

Spurious emission.

Emission on a frequency or frequencies that are outside the necessary bandwidth and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic emissions, parasitic emissions, intermodulation products, and frequency conversion products, but exclude out-of-band emissions.

16.2 Test Parameters

Test Location:	Element Skelmersdale
Test Chamber:	Radio Chamber
Test Standard and Clause:	ANSI C63.10-2013, Clause 12.7.3
EUT Channel Measured: (requirement as close to upper and lower frequency band edges as the design of the equipment permits).	Bottom and Top
EUT Channel Bandwidths:	5, 10, 15, 20, 30, 40 and 45 MHz
Deviations From Standard:	None
Measurement BW:	1 MHz
Spectrum Analyzer Video BW: (requirement at least 3x RBW)	3 MHz
Measurement Detector:	Peak

Environmental Conditions (Normal Environment)

Temperature: 24 °C	+15 °C to +35 °C (as declared)
Humidity: 30 %RH	20%RH to 75%RH (as declared)
Supply: -48 Vdc	-48 dc (as declared)

Test Limits

15.407(b):

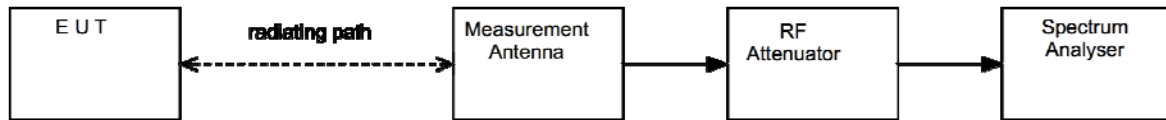
- (1) For transmitters operating in the 5.15–5.25 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

16.3 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure vii, the emissions from the EUT were measured on a spectrum analyser.

The measurements were performed with EUT set at its maximum duty. All modulation schemes, data rates and power settings were used to observe the worst case configuration in each bandwidth.

Figure vii Test Setup

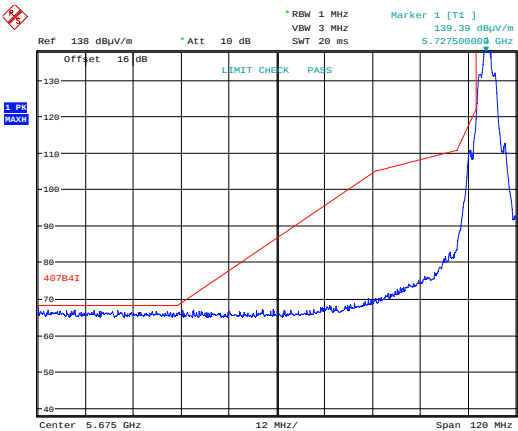


16.4 Test Equipment

<i>Equipment Description</i>	<i>Manufacturer</i>	<i>Equipment Type</i>	<i>Element No</i>	<i>Last Cal Calibration</i>	<i>Calibration Period</i>	<i>Due For Calibration</i>
Spectrum Analyser	R&S	FSU46	U281	2017-06-19	12	2018-06-19
1-18GHz Horn	EMCO	3115	L139	2017-09-25	24	2019-09-25
Pre Amp	Agilent	8449B	L572	2017-09-28	12	2018-09-28
6 dB Attenuator	Bird	8304-060-N	U376	Calibrate in Use		
10 dB Attenuator	Bird	8304-100-N	L222	Calibrate in Use		
3 dB Attenuator	Bird	8304-100-N	REF903	Calibrate in Use		

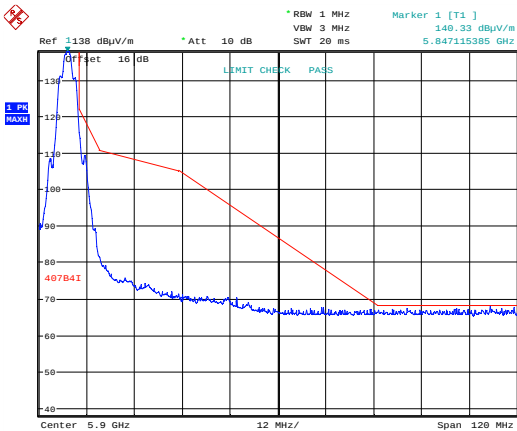
16.5 Test Results

5 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



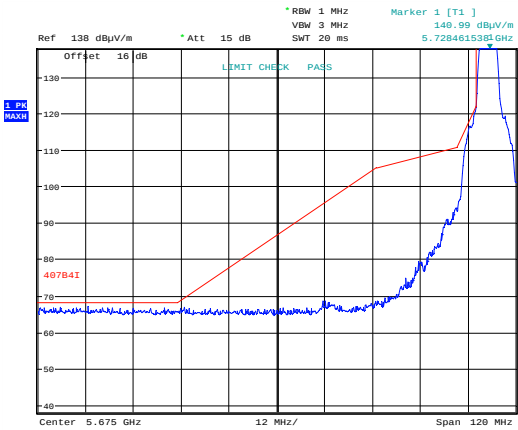
Date: 30.JAN.2018 15:57:46

Band Edge AQU; 5727.75 MHz; 27 dBm.



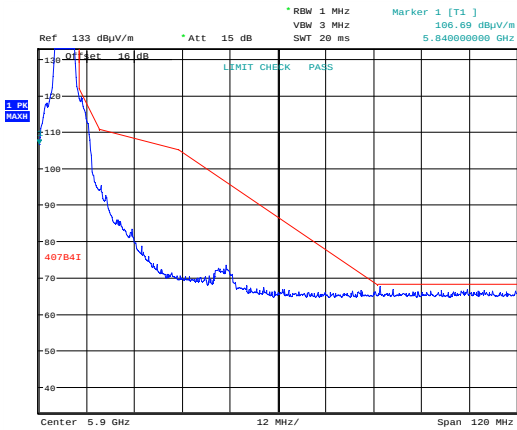
Date: 30.JAN.2018 16:10:18

Band Edge AQU; 5847.25 MHz; 27 dBm.



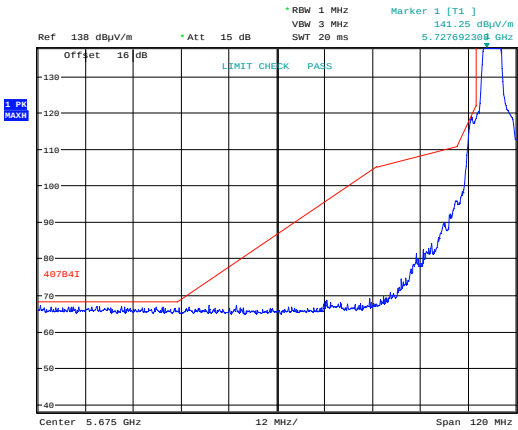
Date: 5.MAR.2018 14:14:23

Band Edge BPSK; 5728 MHz; 26 dBm.



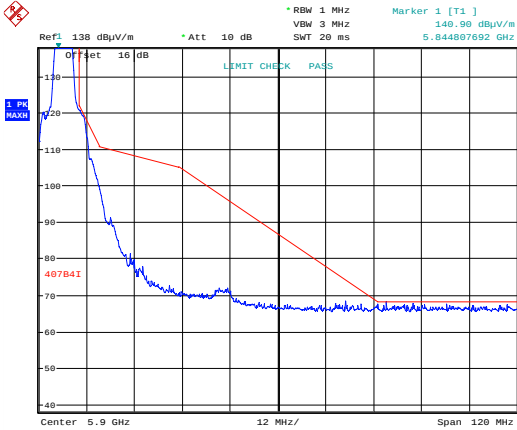
Date: 5.MAR.2018 15:33:58

Band Edge BPSK; 5846.5 MHz; 26 dBm.



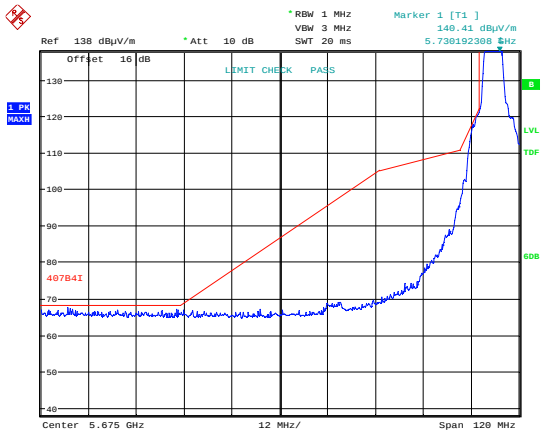
Date: 5.MAR.2018 14:18:21

Band Edge QPSK; 5729 MHz; 26 dBm.



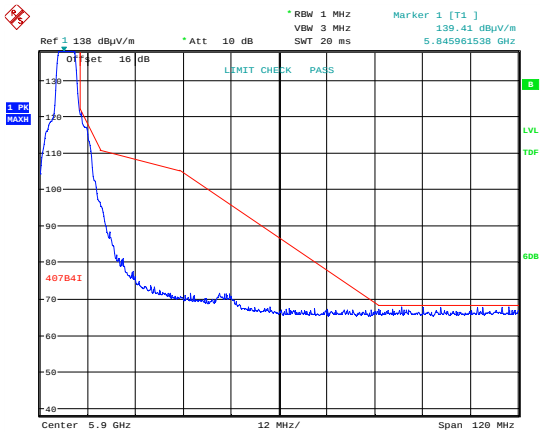
Date: 30.JAN.2018 16:16:54

Band Edge QPSK; 5846.25 MHz; 26 dBm.



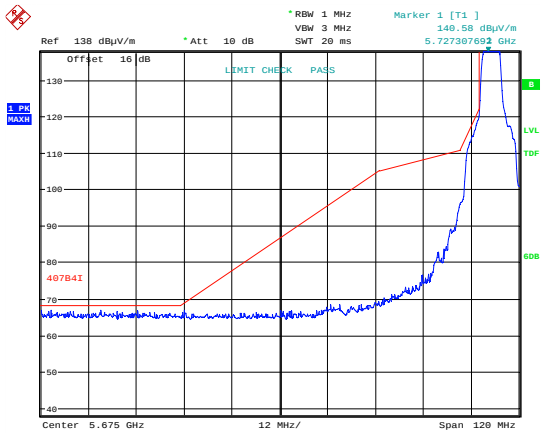
Date: 30.JAN.2018 16:06:33

Band Edge 16 QAM; 5728.5 MHz; 25 dBm.



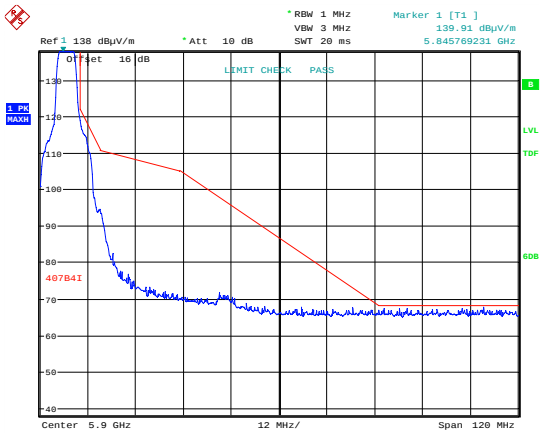
Date: 30.JAN.2018 16:18:08

Band Edge 16 QAM; 5846.75 MHz; 25 dBm.



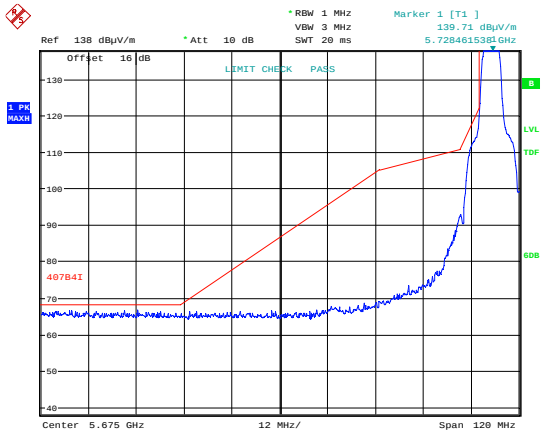
Date: 30.JAN.2018 16:07:58

Band Edge 64 QAM; 5728 MHz; 24 dBm.



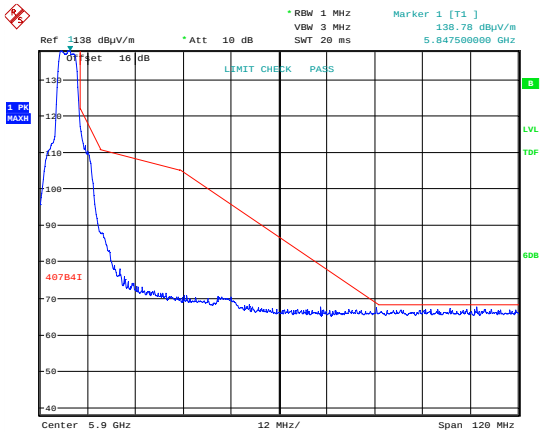
Date: 30.JAN.2018 16:20:05

Band Edge 64 QAM; 5846.75 MHz; 24 dBm.



Date: 30.JAN.2018 16:08:57

Band Edge 256 QAM; 5728 MHz; 23 dBm.

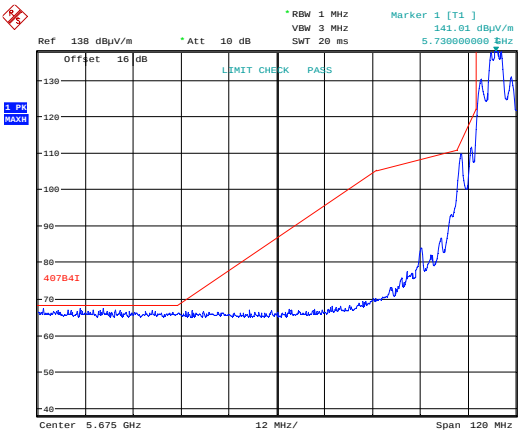


Date: 30.JAN.2018 16:21:13

Band Edge 256 QAM; 5847 MHz; 23 dBm.

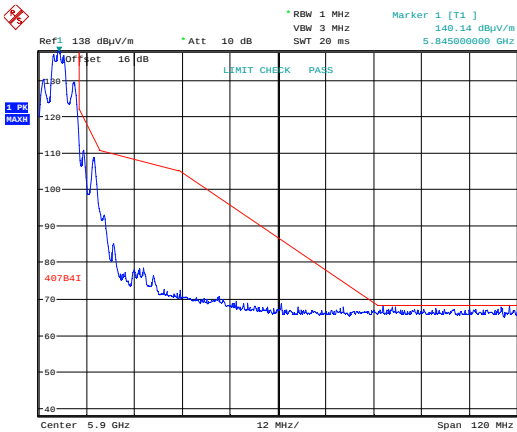
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5727.75	27
AQU	5847.25	27
BPSK	5728	26
BPSK	5846.5	26
QPSK	5729	26
QPSK	5846.25	26
16 QAM	5728.5	25
16 QAM	5846.75	25
64 QAM	5728	24
64 QAM	5846.75	24
256 QAM	5728	23
256 QAM	5847	23

10 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



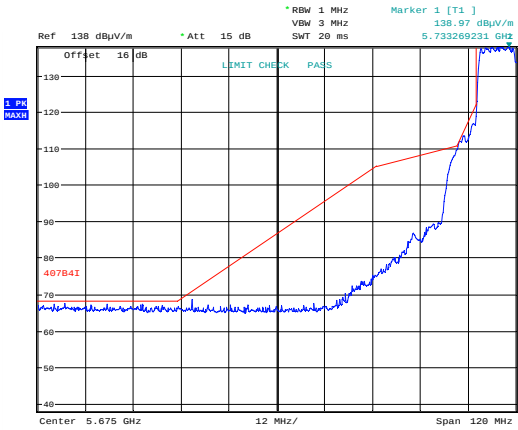
Date: 30.JAN.2018 16:25:06

Band Edge AQU; 5730 MHz; 27 dBm.



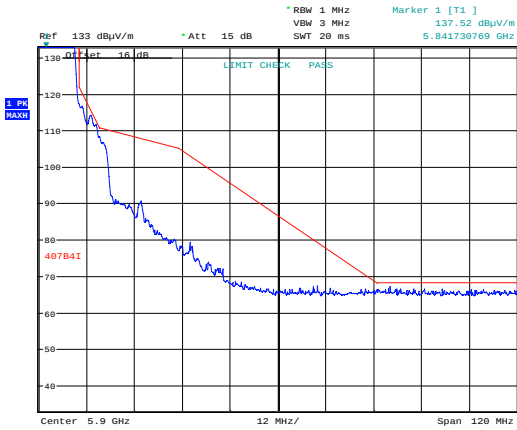
Date: 30.JAN.2018 16:36:15

Band Edge AQU; 5845 MHz; 27 dBm.



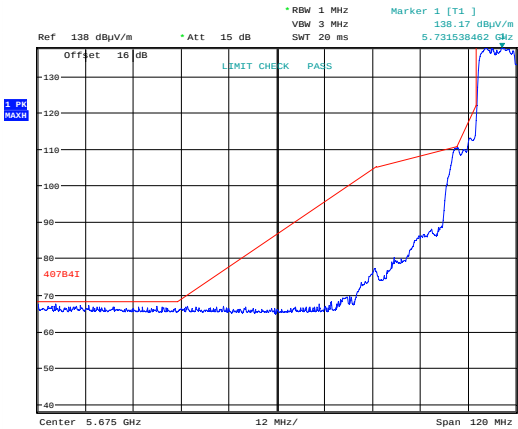
Date: 5.MAR.2018 14:28:24

Band Edge BPSK; 5730.25 MHz; 26 dBm.



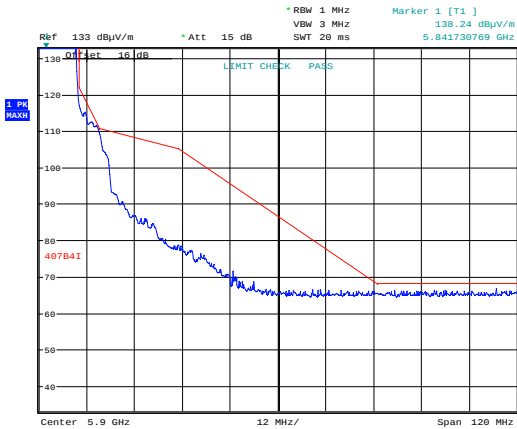
Date: 5.MAR.2018 15:37:51

Band Edge BPSK; 5844.5 MHz; 26 dBm.



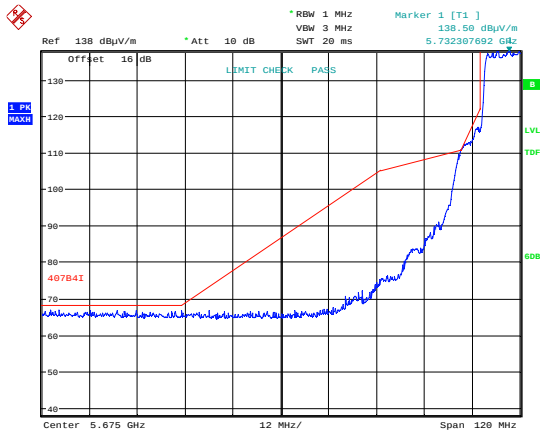
Date: 5.MAR.2018 14:32:31

Band Edge QPSK; 5730.25 MHz; 25 dBm.



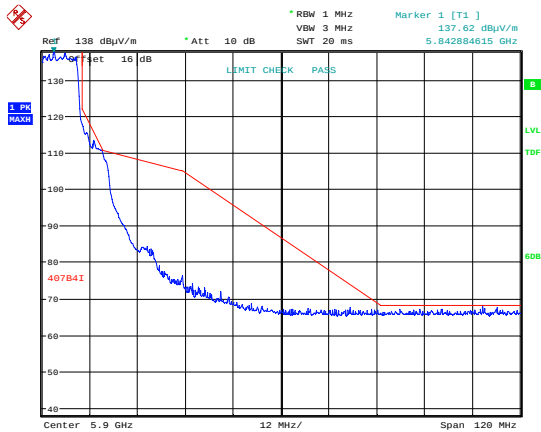
Date: 5.MAR.2018 15:39:42

Band Edge QPSK; 5844.75 MHz; 25 dBm.



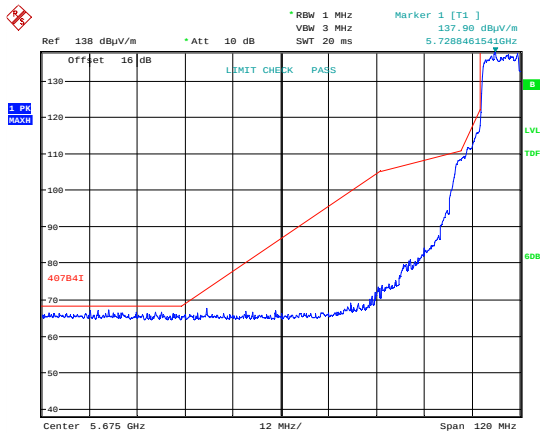
Date: 30. JAN. 2018 16:31:57

Band Edge 16 QAM; 5730.75 MHz; 25 dBm.



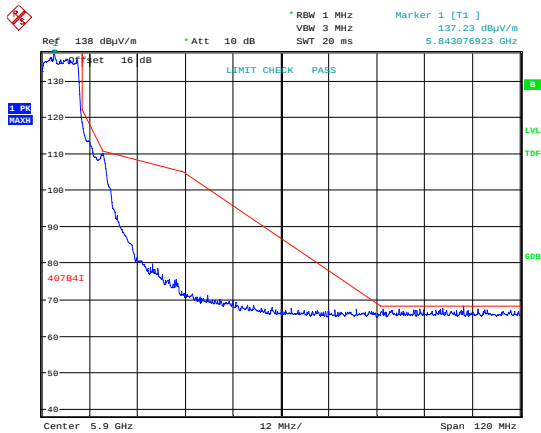
Date: 30. JAN. 2018 16:41:05

Band Edge 16 QAM; 5844.5 MHz; 25 dBm.



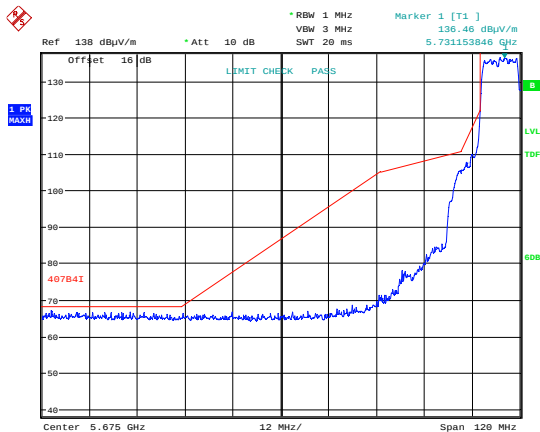
Date: 30. JAN. 2018 16:33:38

Band Edge 64 QAM; 5730.25 MHz; 24 dBm.



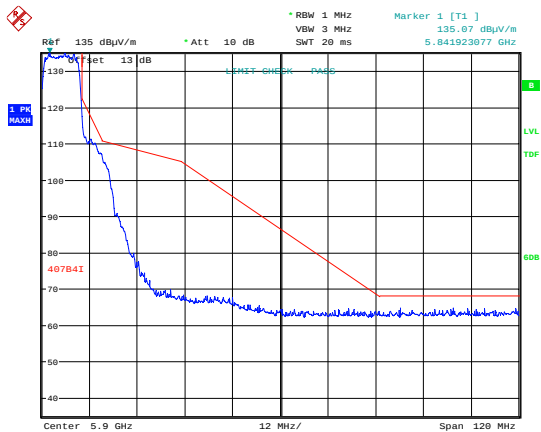
Date: 30. JAN. 2018 16:42:14

Band Edge 64 QAM; 5844.75 MHz; 24 dBm.



Date: 30. JAN. 2018 16:34:54

Band Edge 256 QAM; 5730 MHz; 23 dBm.

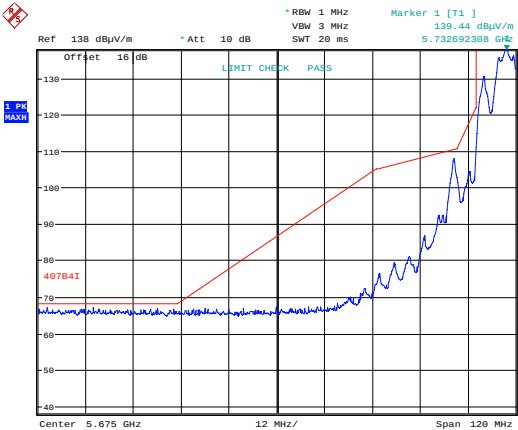


Date: 30. JAN. 2018 12:34:22

Band Edge 256 QAM; 5845 MHz; 23 dBm.

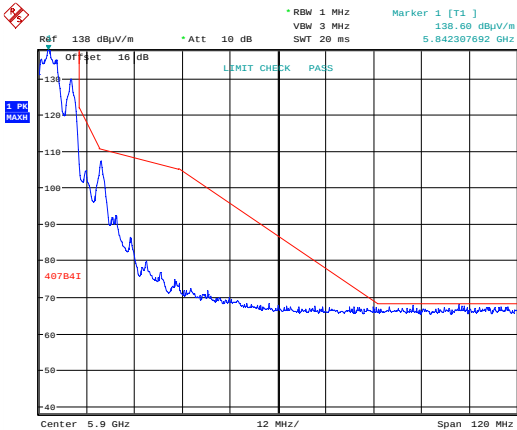
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5730	27
AQU	5845	27
BPSK	5730.25	26
BPSK	5844.5	26
QPSK	5730.25	25
QPSK	5844.75	25
16 QAM	5730.75	25
16 QAM	5844.5	25
64 QAM	5730.25	24
64 QAM	5844.75	24
256 QAM	5730	23
256 QAM	5845	23

15 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



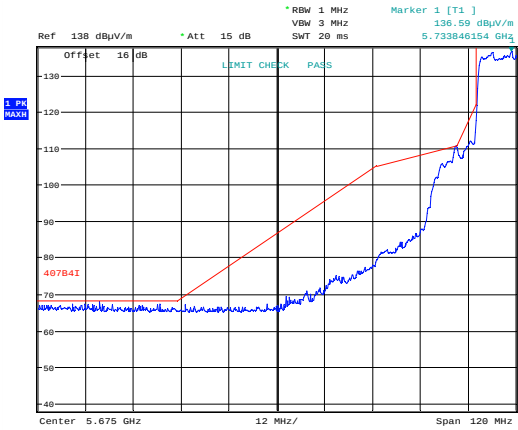
Date: 30.JAN.2018 16:46:34

Band Edge AQU; 5732.5 MHz; 27 dBm.



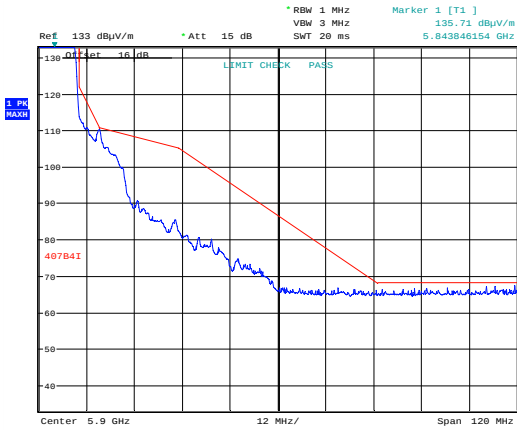
Date: 30.JAN.2018 17:23:56

Band Edge AQU; 5842.5 MHz; 27 dBm.



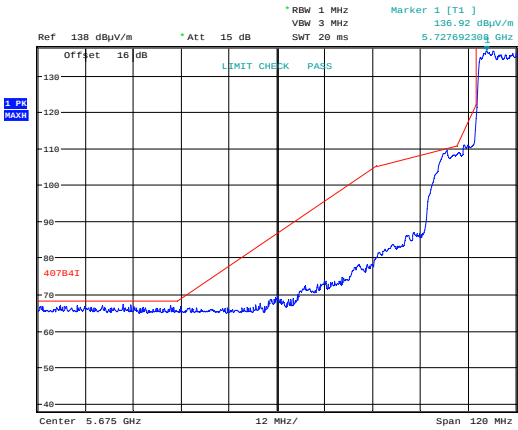
Date: 5.MAR.2018 14:36:55

Band Edge BPSK; 5732.5 MHz; 25.5 dBm.



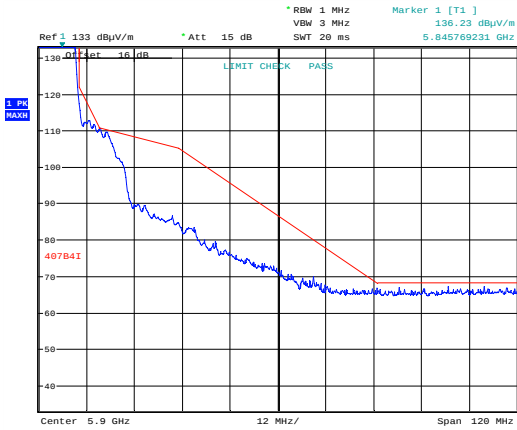
Date: 5.MAR.2018 15:43:16

Band Edge BPSK; 5842.5 MHz; 25.25 dBm.



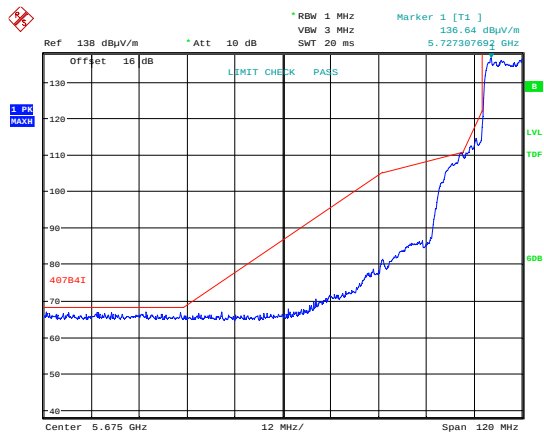
Date: 5.MAR.2018 14:38:54

Band Edge QPSK; 5732.5 MHz; 25.5 dBm.



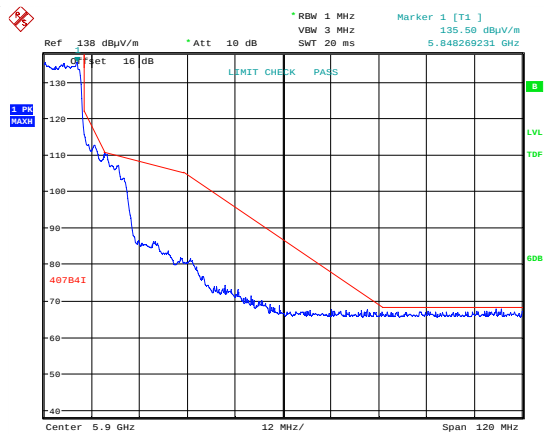
Date: 5.MAR.2018 15:45:42

Band Edge QPSK; 5842.5 MHz; 25.75 dBm.



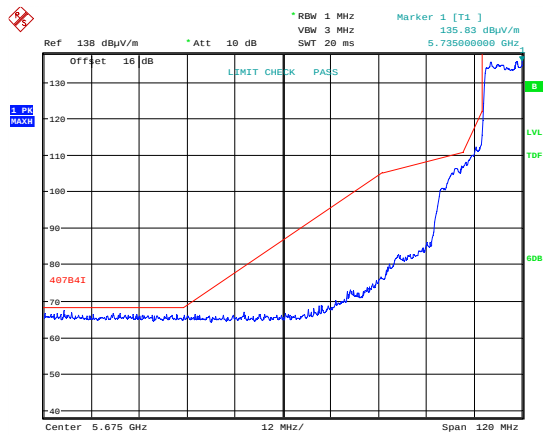
Date: 30.JAN.2018 17:21:26

Band Edge 16 QAM; 5732.5 MHz; 25 dBm.



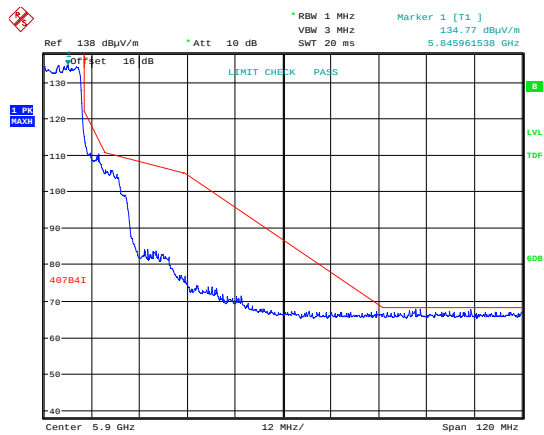
Date: 30.JAN.2018 17:32:25

Band Edge 16 QAM; 5842.5 MHz; 25 dBm.



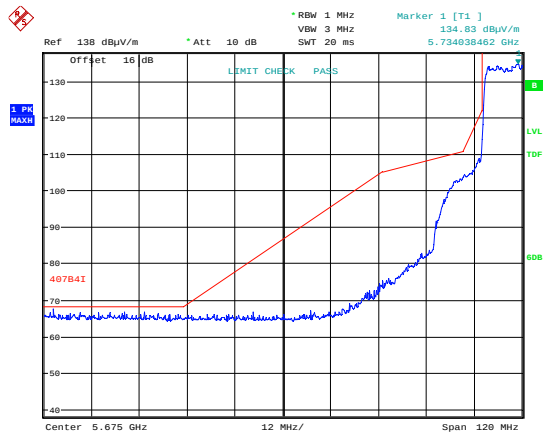
Date: 30.JAN.2018 17:22:12

Band Edge 64 QAM; 5732.5 MHz; 24 dBm.



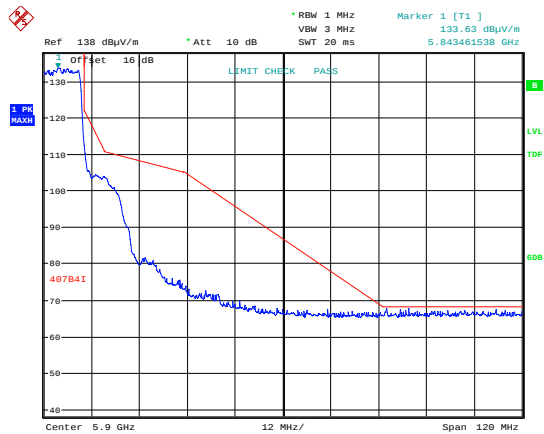
Date: 30.JAN.2018 17:33:24

Band Edge 64 QAM; 5842.5 MHz; 24 dBm.



Date: 30.JAN.2018 17:22:49

Band Edge 256 QAM; 5732.5 MHz; 23 dBm.

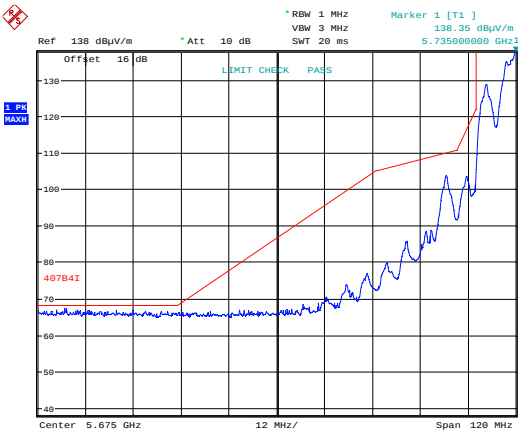


Date: 30.JAN.2018 17:37:07

Band Edge 256 QAM; 5842.5 MHz; 23 dBm.

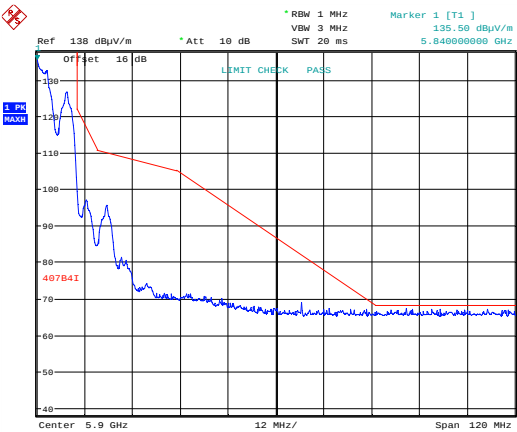
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5732.5	27
AQU	5842.5	27
BPSK	5732.5	25.5
BPSK	5842.5	25.25
QPSK	5732.5	25.5
QPSK	5842.5	25.75
16 QAM	5732.5	25
16 QAM	5842.5	25
64 QAM	5732.5	24
64 QAM	5842.5	24
256 QAM	5732.5	23
256 QAM	5842.5	23

20 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



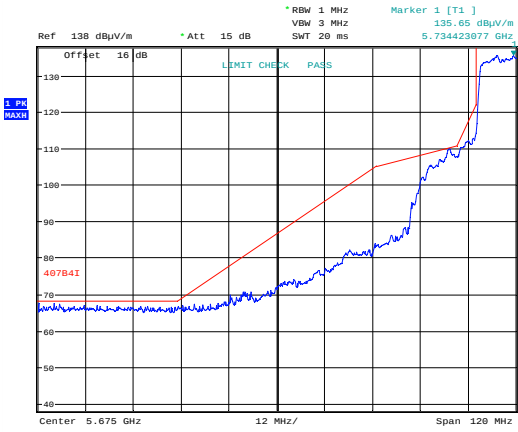
Date: 30.JAN.2018 17:40:29

Band Edge AQU; 5735 MHz; 27 dBm.



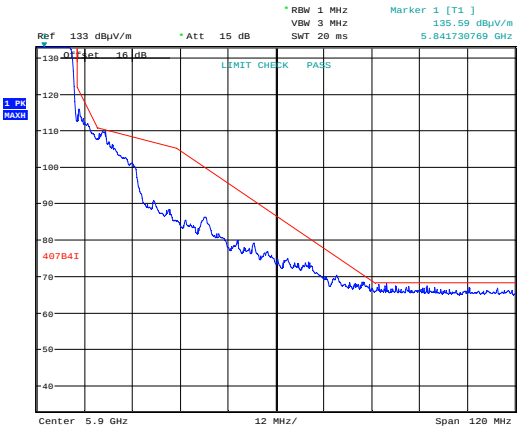
Date: 30.JAN.2018 17:50:28

Band Edge AQU; 5840 MHz; 27 dBm.



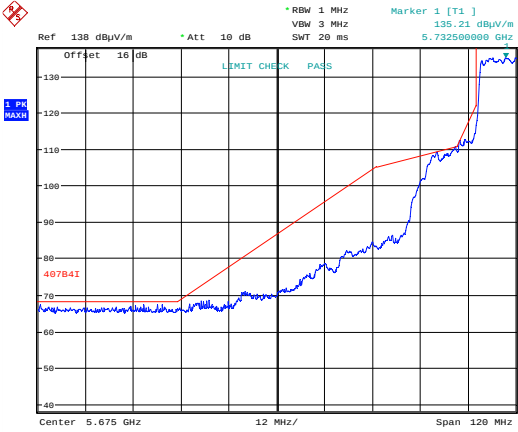
Date: 5.MAR.2018 14:41:50

Band Edge BPSK; 5735 MHz; 26.5 dBm.



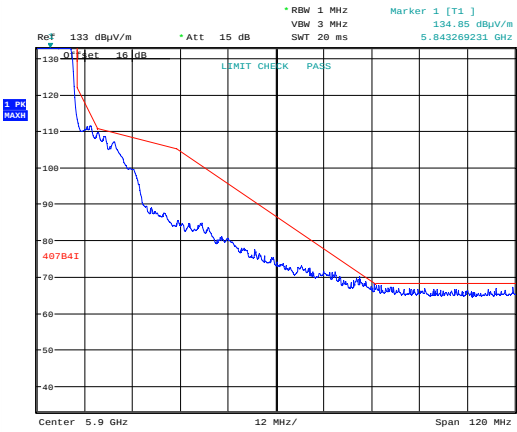
Date: 5.MAR.2018 15:58:55

Band Edge BPSK; 5840 MHz; 26.5 dBm.



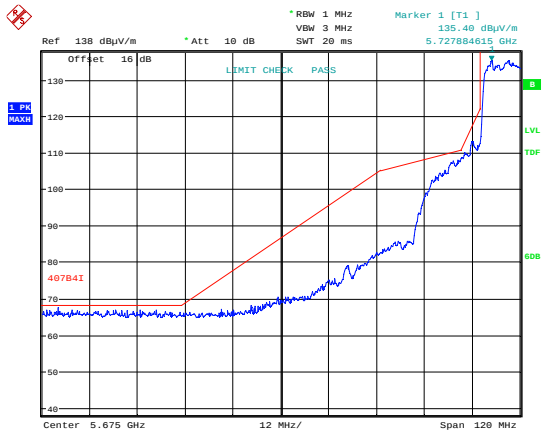
Date: 30.JAN.2018 17:44:15

Band Edge QPSK; 5735 MHz; 26 dBm.



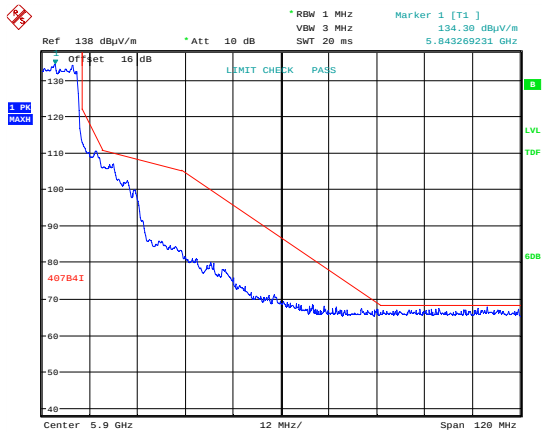
Date: 5.MAR.2018 16:00:46

Band Edge QPSK; 5840 MHz; 26 dBm.



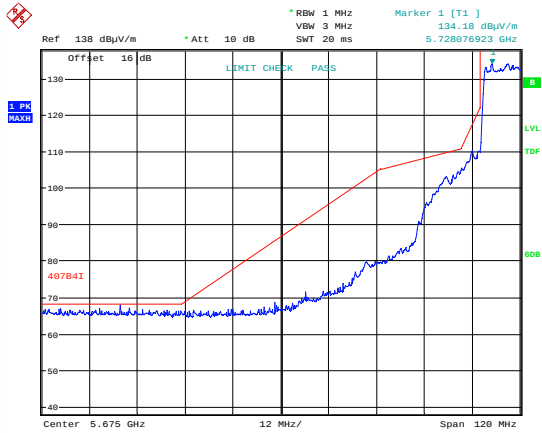
Date: 30.JAN.2018 17:45:51

Band Edge 16 QAM; 5735 MHz; 25 dBm.



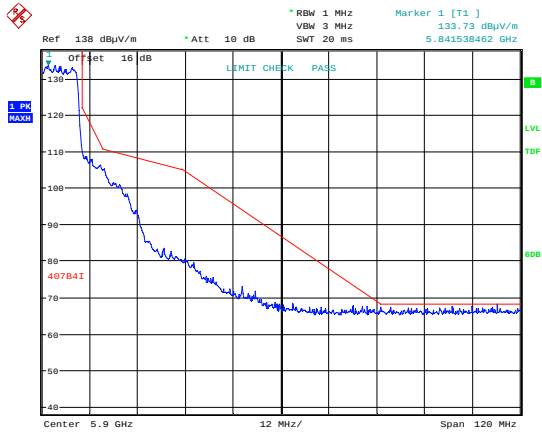
Date: 30.JAN.2018 17:58:49

Band Edge 16 QAM; 5840 MHz; 25 dBm.



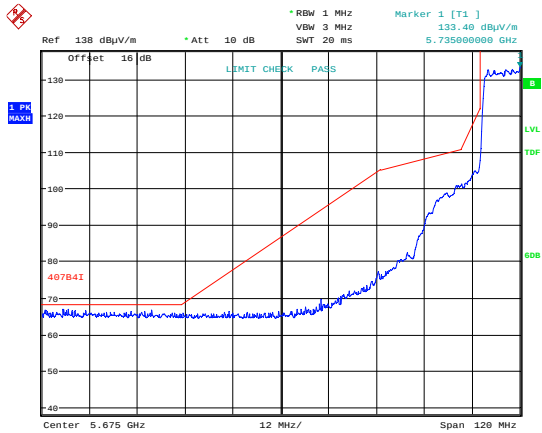
Date: 30.JAN.2018 17:47:06

Band Edge 64 QAM; 5735 MHz; 24 dBm.



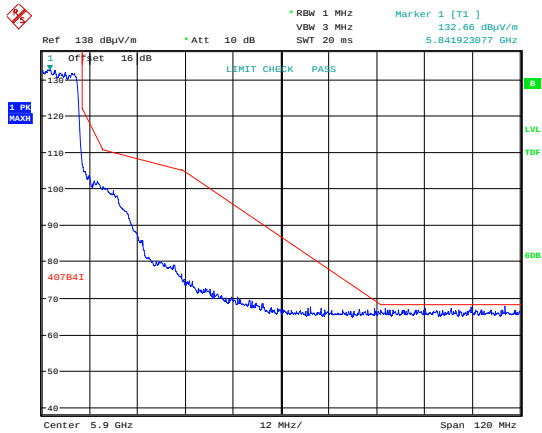
Date: 30.JAN.2018 18:00:00

Band Edge 64 QAM; 5840 MHz; 24 dBm.



Date: 30.JAN.2018 17:47:59

Band Edge 256 QAM; 5735 MHz; 23 dBm.

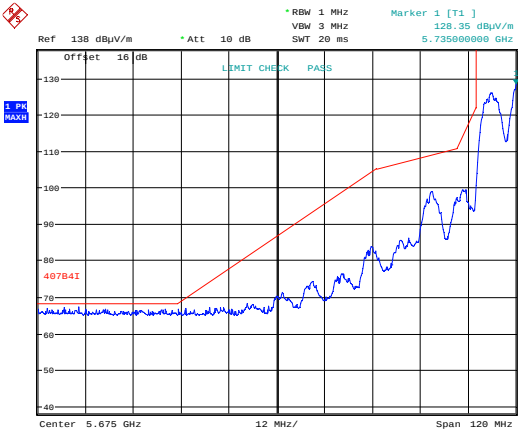


Date: 30.JAN.2018 18:00:52

Band Edge 256 QAM; 5840 MHz; 23 dBm.

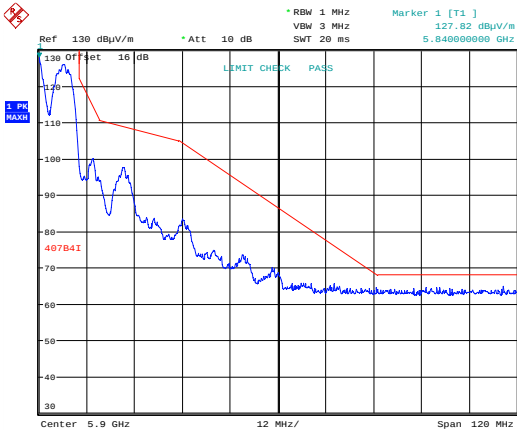
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5735	27
AQU	5840	27
BPSK	5735	26.5
BPSK	5840	26.5
QPSK	5735	26
QPSK	5840	26
16 QAM	5735	25
16 QAM	5840	25
64 QAM	5735	24
64 QAM	5840	24
256 QAM	5735	23
256 QAM	5840	23

30 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



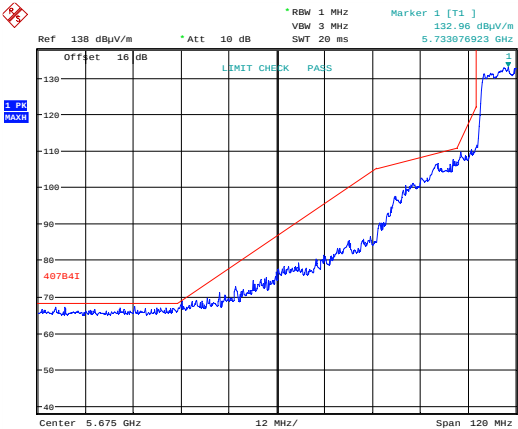
Date: 30.JAN.2018 18:03:55

Band Edge AQU; 5740 MHz; 27 dBm.



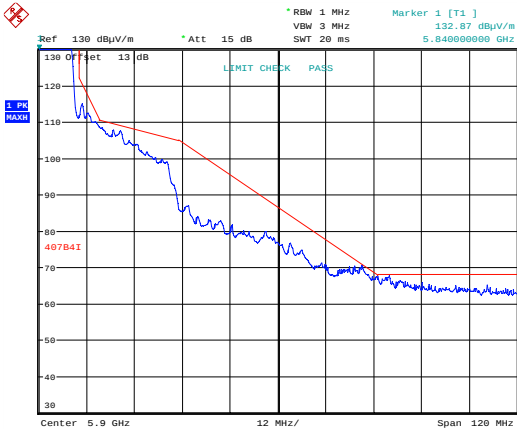
Date: 30.JAN.2018 18:40:50

Band Edge AQU; 5835 MHz; 27 dBm.



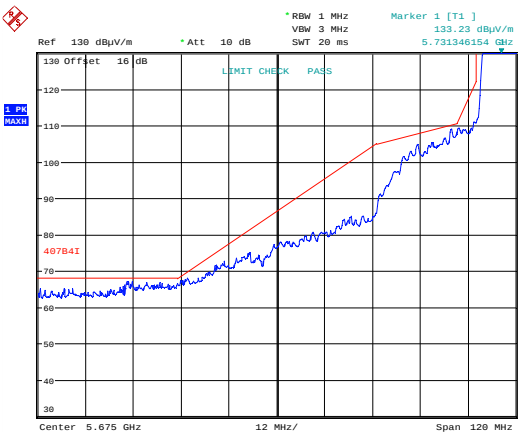
Date: 30.JAN.2018 18:25:32

Band Edge BPSK; 5740 MHz; 26 dBm.



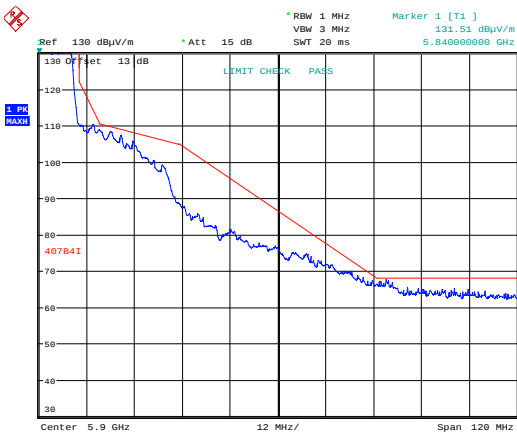
Date: 30.JAN.2018 19:10:11

Band Edge BPSK; 5835 MHz; 26 dBm.



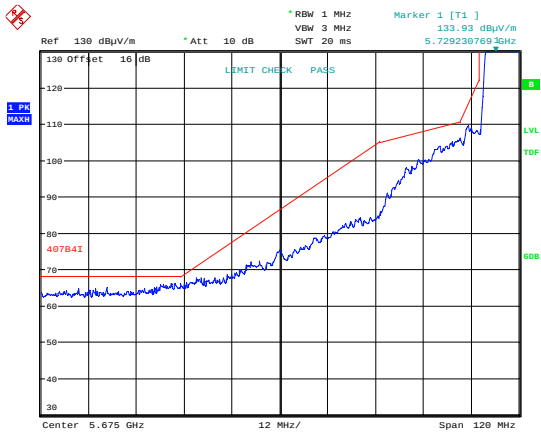
Date: 30.JAN.2018 18:38:02

Band Edge QPSK; 5740 MHz; 26 dBm.



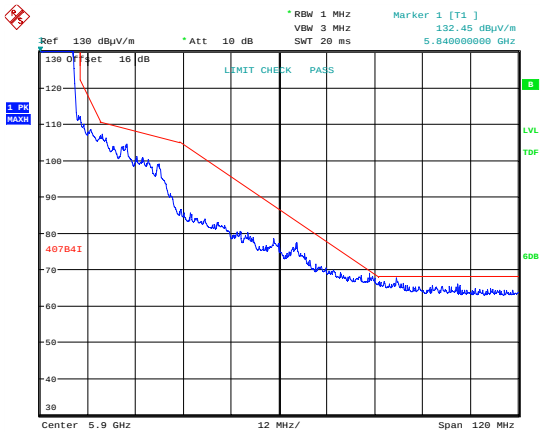
Date: 30.JAN.2018 19:13:47

Band Edge QPSK; 5835 MHz; 25.5 dBm.



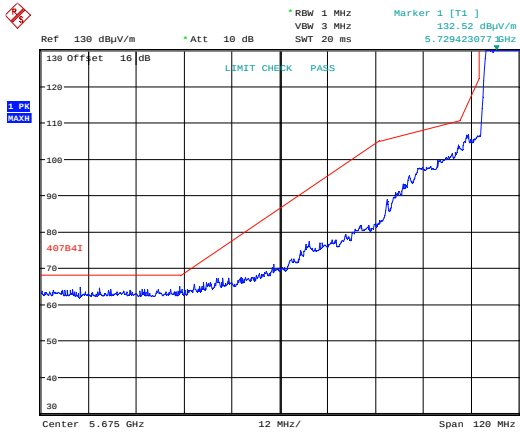
Date: 30.JAN.2018 18:38:47

Band Edge 16 QAM; 5740 MHz; 25 dBm.



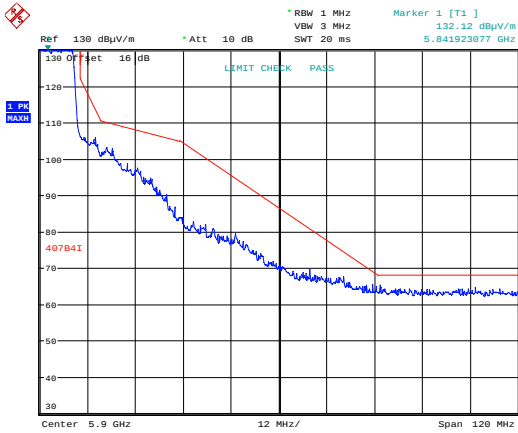
Date: 30.JAN.2018 18:42:31

Band Edge 16 QAM; 5835 MHz; 25 dBm.



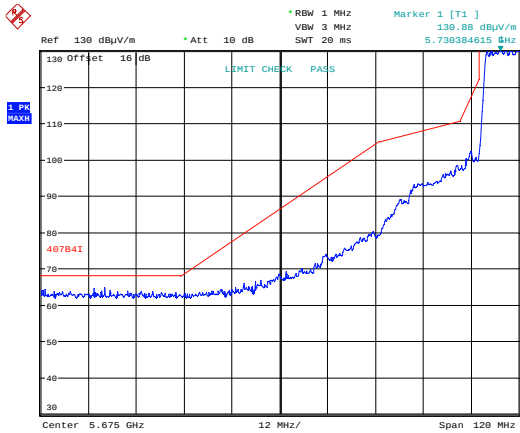
Date: 30.JAN.2018 18:39:26

Band Edge 64 QAM; 5740 MHz; 24 dBm.



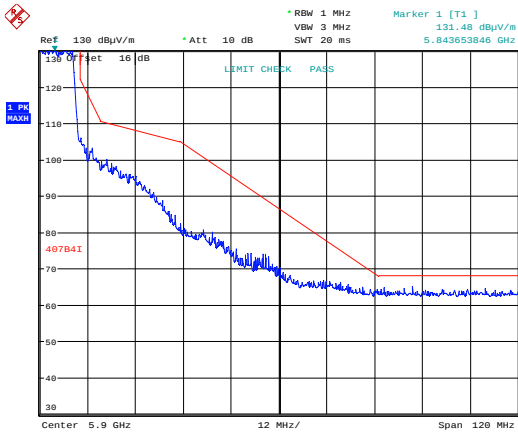
Date: 30.JAN.2018 18:43:06

Band Edge 64 QAM; 5835 MHz; 24 dBm.



Date: 30.JAN.2018 18:40:03

Band Edge 256 QAM; 5740 MHz; 23 dBm.

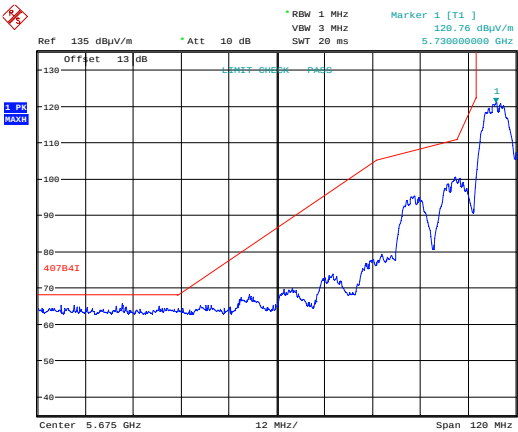


Date: 30.JAN.2018 18:43:42

Band Edge 256 QAM; 5835 MHz; 23 dBm.

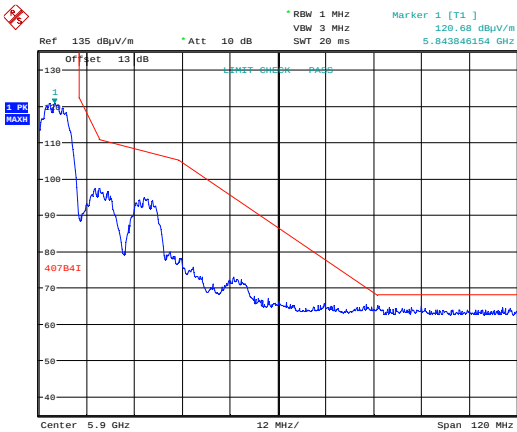
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5740	27
AQU	5835	27
BPSK	5740	26
BPSK	5835	26
QPSK	5740	26
QPSK	5835	25.5
16 QAM	5740	25
16 QAM	5835	25
64 QAM	5740	24
64 QAM	5835	24
256 QAM	5740	23
256 QAM	5835	23

40 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



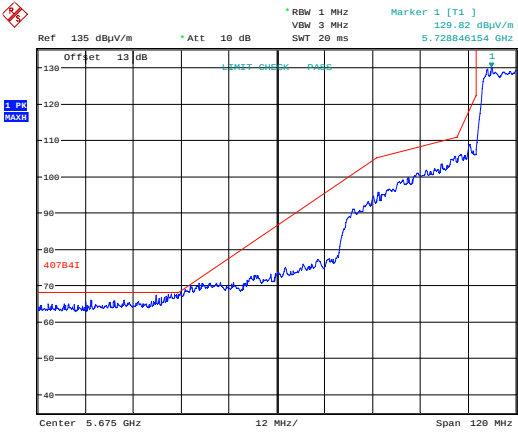
Date: 30. JAN.2018 19:23:41

Band Edge AQU; 5745 MHz; 27 dBm.



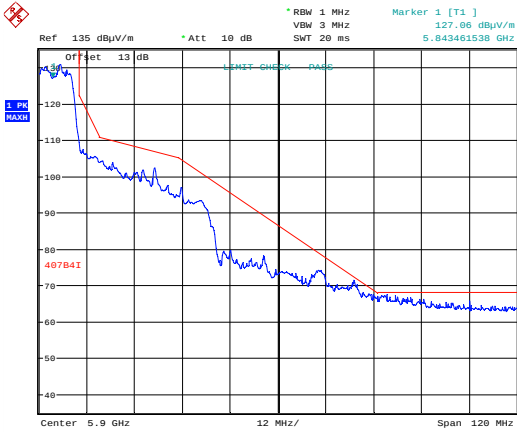
Date: 30. JAN.2018 20:39:52

Band Edge AQU; 5830 MHz; 27 dBm.



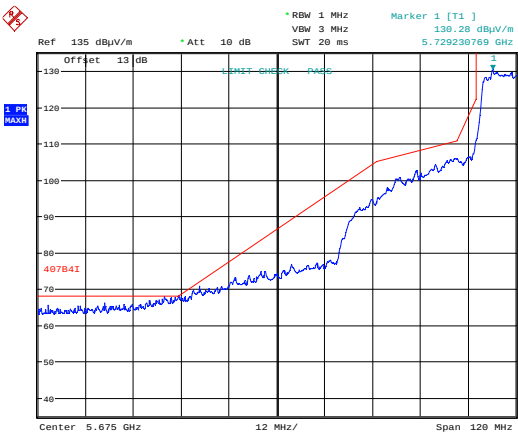
Date: 30. JAN.2018 19:28:23

Band Edge BPSK; 5745 MHz; 24.25 dBm.



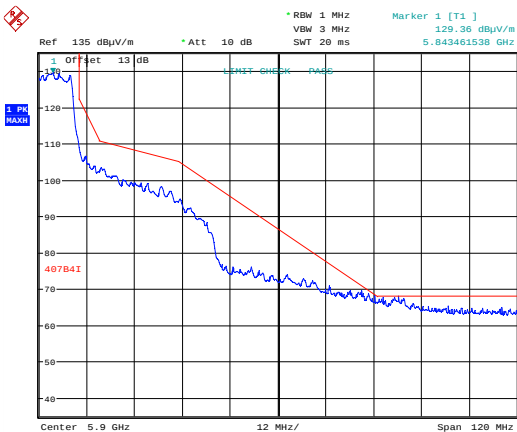
Date: 30. JAN.2018 20:01:54

Band Edge BPSK; 5830 MHz; 24.25 dBm.



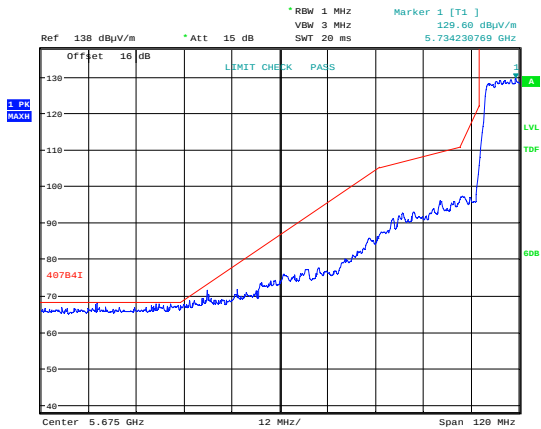
Date: 30. JAN.2018 19:30:40

Band Edge QPSK; 5745 MHz; 24.5 dBm.



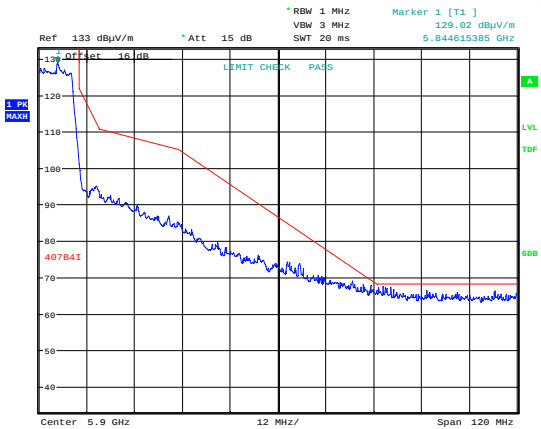
Date: 30. JAN.2018 19:57:04

Band Edge QPSK; 5830 MHz; 23.75 dBm.



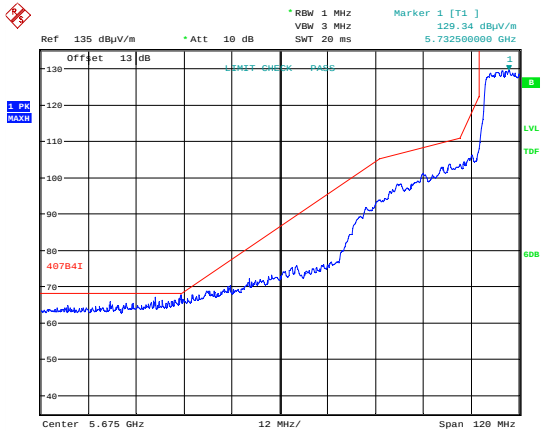
Date: 5.MAR.2018 14:57:35

Band Edge 16 QAM; 5745 MHz; 23.75 dBm.



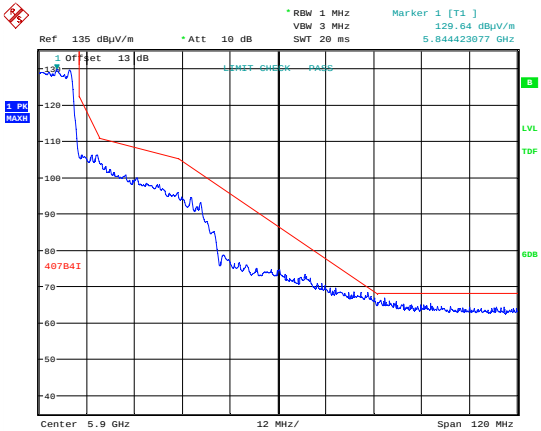
Date: 5.MAR.2018 16:20:03

Band Edge 16 QAM; 5830 MHz; 23 dBm.



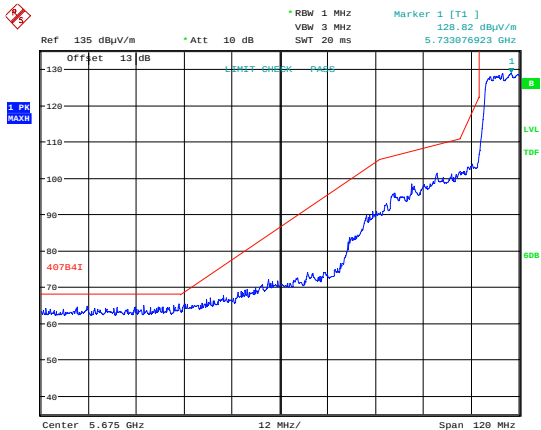
Date: 30.JAN.2018 19:37:22

Band Edge 64 QAM; 5745 MHz; 24 dBm.



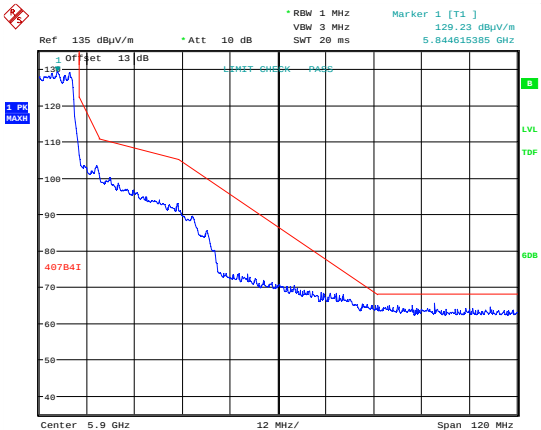
Date: 30.JAN.2018 19:39:32

Band Edge 64 QAM; 5830 MHz; 24 dBm.



Date: 30.JAN.2018 19:37:57

Band Edge 256 QAM; 5745 MHz; 23 dBm.

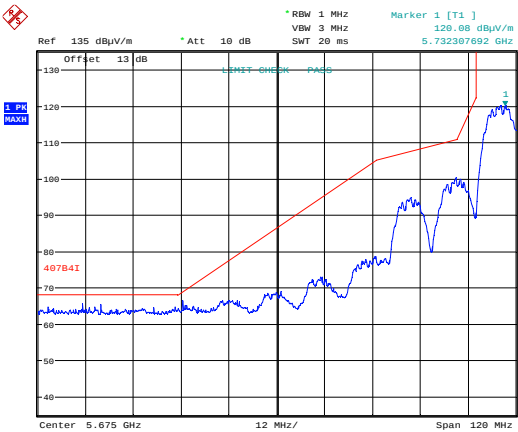


Date: 30.JAN.2018 19:38:50

Band Edge 256 QAM; 5830 MHz; 23 dBm.

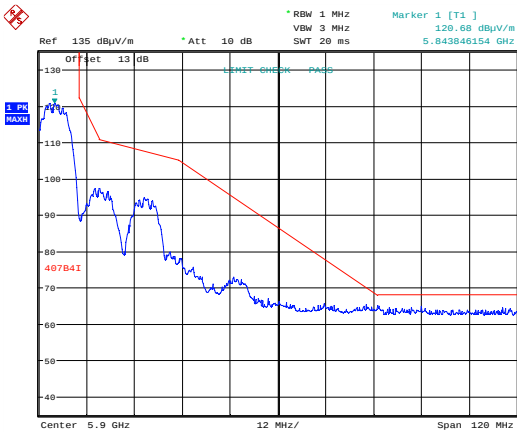
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5745	27
AQU	5830	27
BPSK	5745	24.25
BPSK	5830	24.25
QPSK	5745	24.5
QPSK	5830	23.75
16 QAM	5745	23.75
16 QAM	5830	23
64 QAM	5745	24
64 QAM	5830	24
256 QAM	5745	23
256 QAM	5830	23

45 MHz bandwidth Band Edge compliance (High Gain Flat plate antenna)



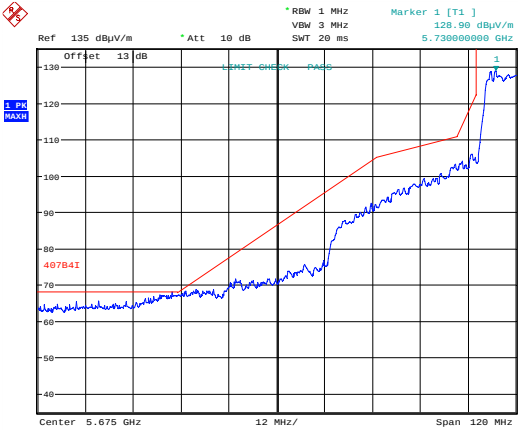
Date: 30. JAN.2018 20:08:57

Band Edge AQU; 5747.5 MHz; 27 dBm.



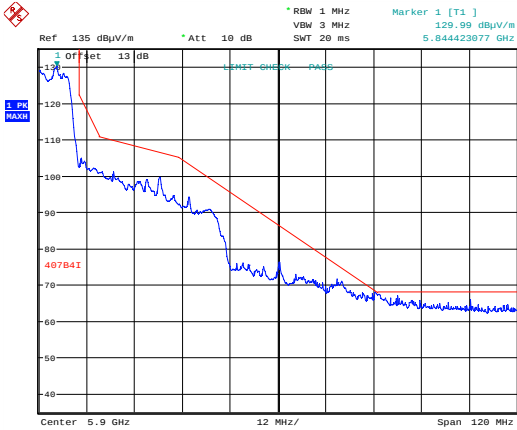
Date: 30. JAN.2018 20:39:52

Band Edge AQU; 5827.5 MHz; 27 dBm.



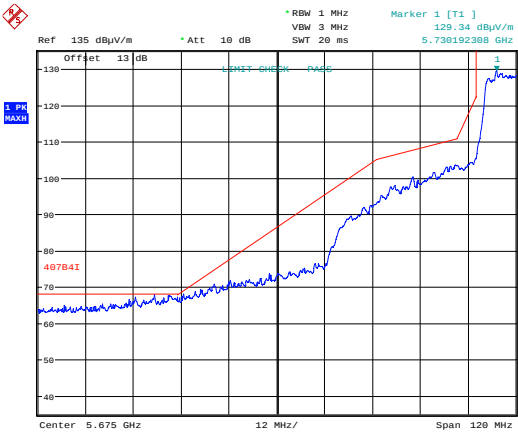
Date: 30. JAN.2018 20:15:16

Band Edge BPSK; 5747.5 MHz; 23.5 dBm.



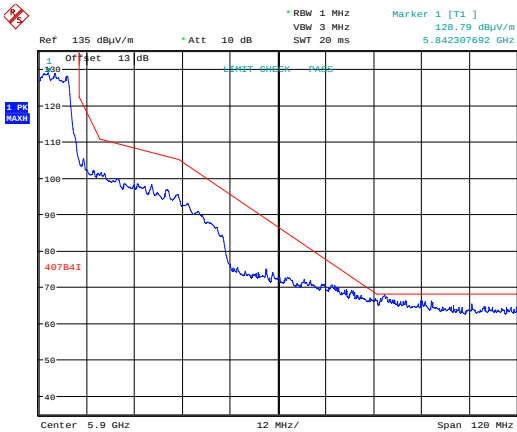
Date: 30. JAN.2018 20:38:52

Band Edge BPSK; 5827.5 MHz; 23.5 dBm.



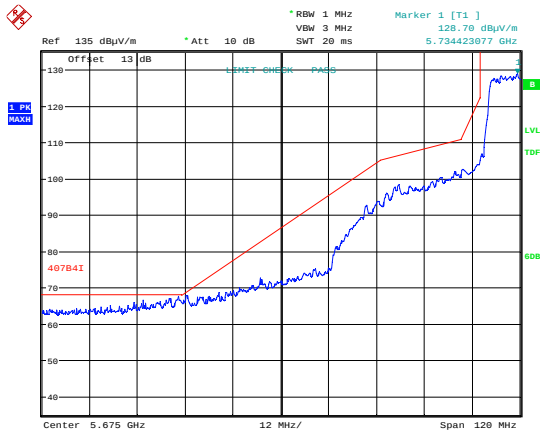
Date: 30. JAN.2018 20:16:51

Band Edge QPSK; 5747.5 MHz; 23.75 dBm.



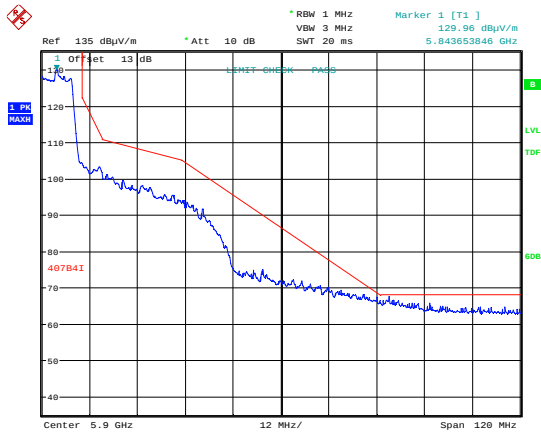
Date: 30. JAN.2018 20:37:34

Band Edge QPSK; 5827.5 MHz; 23.5 dBm.



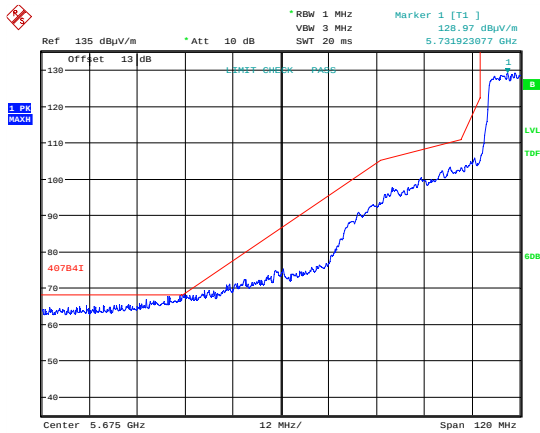
Date: 30.JAN.2018 20:22:55

Band Edge 16 QAM; 5747.5 MHz; 23.5 dBm.



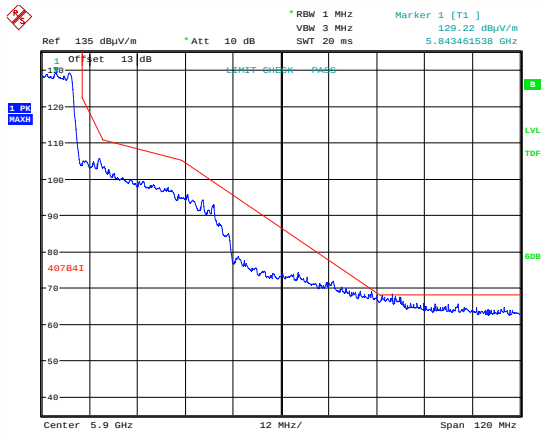
Date: 30.JAN.2018 20:35:17

Band Edge 16 QAM; 5827.5 MHz; 23.5 dBm.



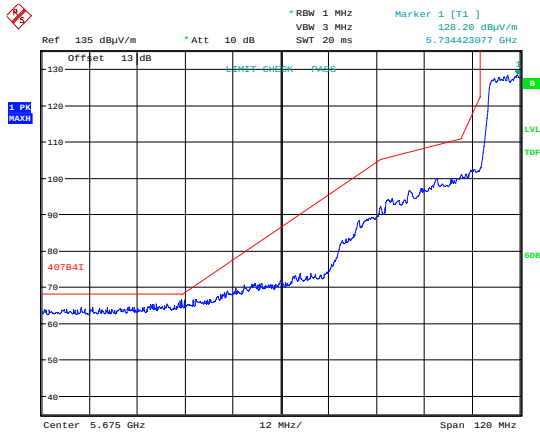
Date: 30.JAN.2018 20:24:32

Band Edge 64 QAM; 5747.5 MHz; 24 dBm.



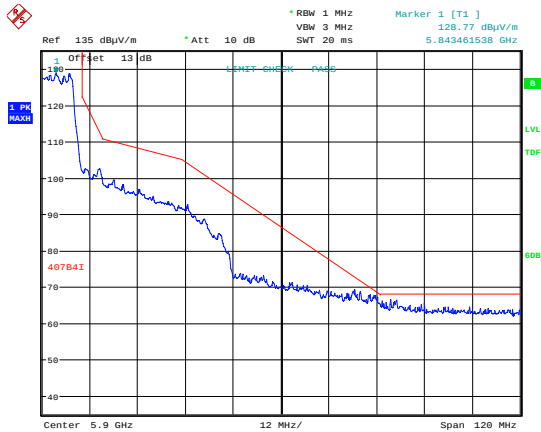
Date: 30.JAN.2018 20:31:51

Band Edge 64 QAM; 5827.5 MHz; 24 dBm.



Date: 30.JAN.2018 20:25:41

Band Edge 256 QAM; 5747.5 MHz; 23 dBm.

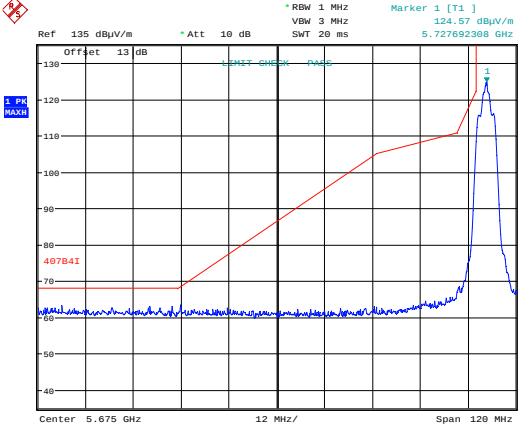


Date: 30.JAN.2018 20:27:04

Band Edge 256 QAM; 5827.5 MHz; 23 dBm.

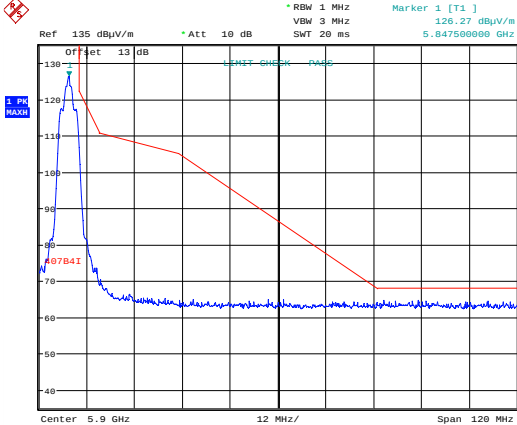
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5747.5	27
AQU	5827.5	27
BPSK	5747.5	23.5
BPSK	5827.5	23.5
QPSK	5747.5	23.75
QPSK	5827.5	23.5
16 QAM	5747.5	23.5
16 QAM	5827.5	23.5
64 QAM	5747.5	24
64 QAM	5827.5	24
256 QAM	5747.5	23
256 QAM	5827.5	23

5 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



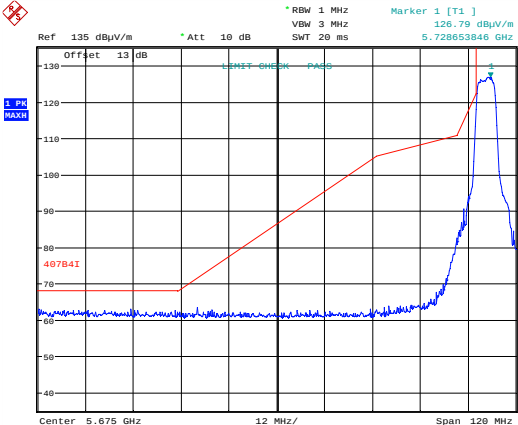
Date: 30. JAN. 2018 21:13:24

Band Edge AQU; 5727.5 MHz; 23.75 dBm.



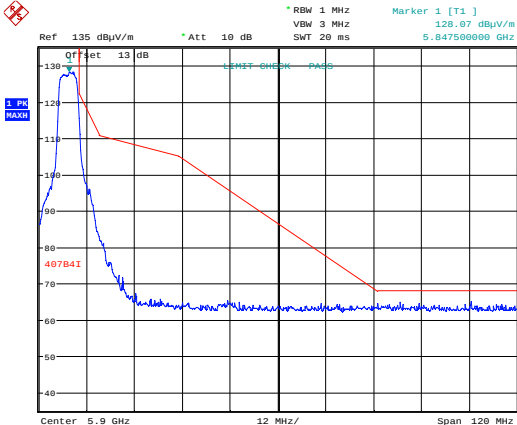
Date: 29. JAN. 2018 16:02:45

Band Edge AQU; 5847.5 MHz; 23.75 dBm.



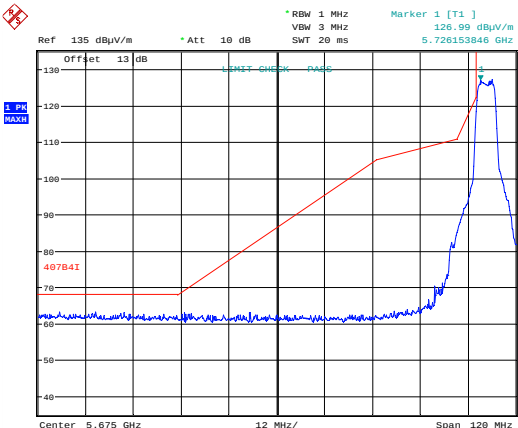
Date: 30. JAN. 2018 21:13:56

Band Edge BPSK; 5727.5 MHz; 23.75 dBm.



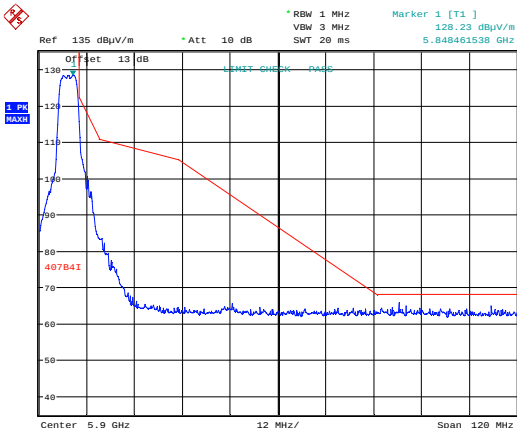
Date: 29. JAN. 2018 16:03:26

Band Edge BPSK; 5847.5 MHz; 23.75 dBm.



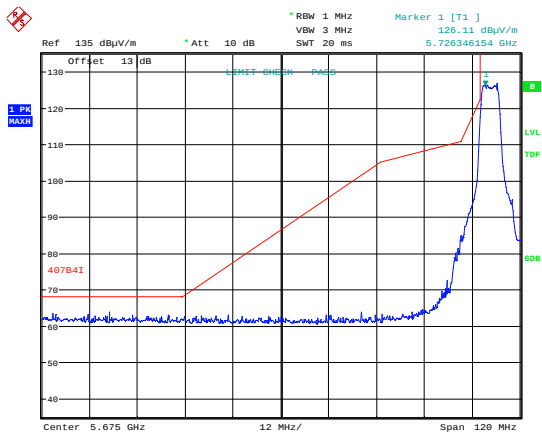
Date: 30. JAN. 2018 21:14:28

Band Edge QPSK; 5727.5 MHz; 23.75 dBm.



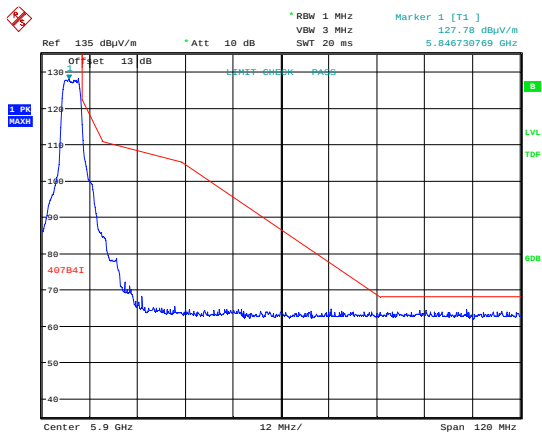
Date: 29. JAN. 2018 16:03:59

Band Edge QPSK; 5847.5 MHz; 23.75 dBm.



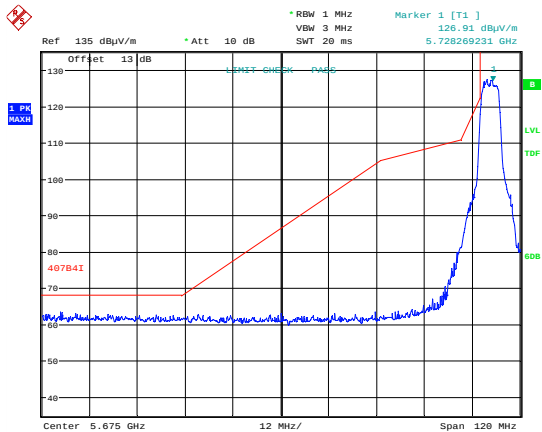
Date: 30.JAN.2018 21:14:55

Band Edge 16 QAM; 5727.5 MHz; 23.75 dBm.



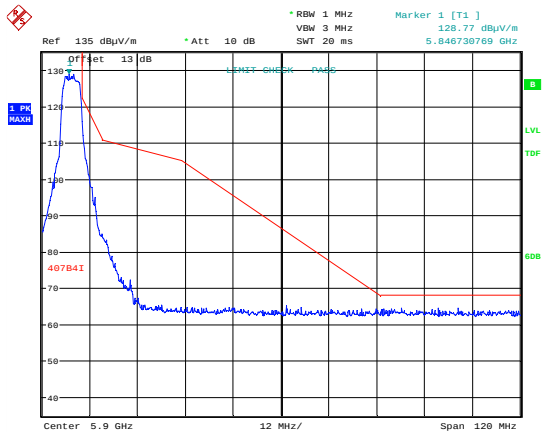
Date: 29.JAN.2018 16:04:30

Band Edge 16 QAM; 5847.5 MHz; 23.75 dBm.



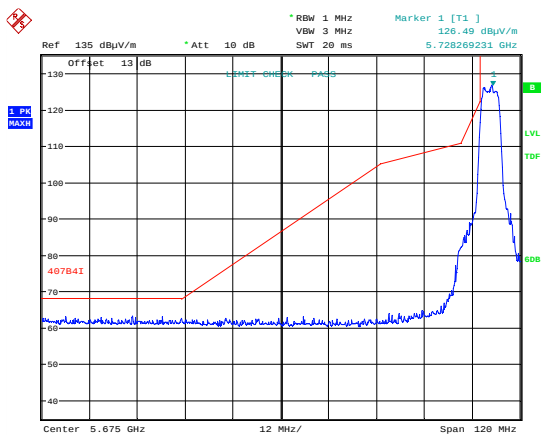
Date: 30.JAN.2018 21:15:21

Band Edge 64 QAM; 5727.5 MHz; 23.75 dBm.



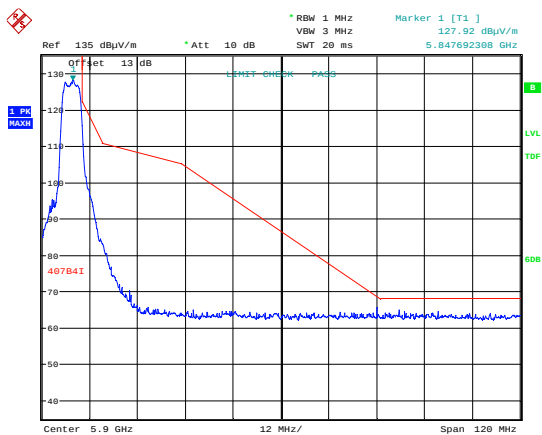
Date: 29.JAN.2018 16:05:08

Band Edge 64 QAM; 5847.5 MHz; 23.75 dBm.



Date: 30.JAN.2018 21:15:49

Band Edge 256 QAM; 5727.5 MHz; 23.75 dBm.

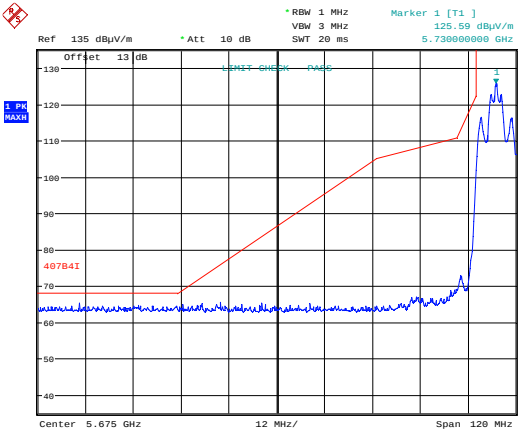


Date: 29.JAN.2018 16:05:44

Band Edge 256 QAM; 5847.5 MHz; 23.75 dBm.

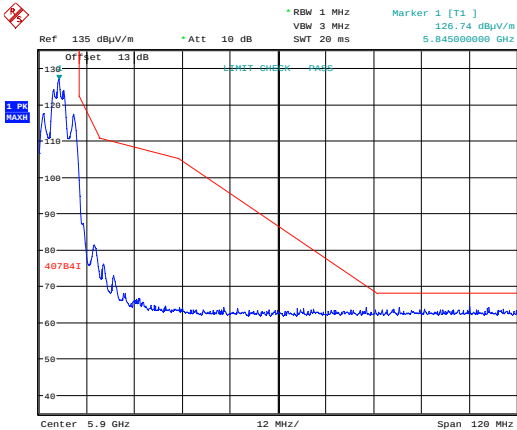
Frequencies and Power setting to comply		
Mod Mode	Frequency (MHz)	Power Setting (dBm)
AQU	5727.5	23.75
AQU	5847.5	23.75
BPSK	5727.5	23.75
BPSK	5847.5	23.75
QPSK	5727.5	23.75
QPSK	5847.5	23.75
16 QAM	5727.5	23.75
16 QAM	5847.5	23.75
64 QAM	5727.5	23.75
64 QAM	5847.5	23.75
256 QAM	5727.5	23.75
256 QAM	5847.5	23.75

10 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



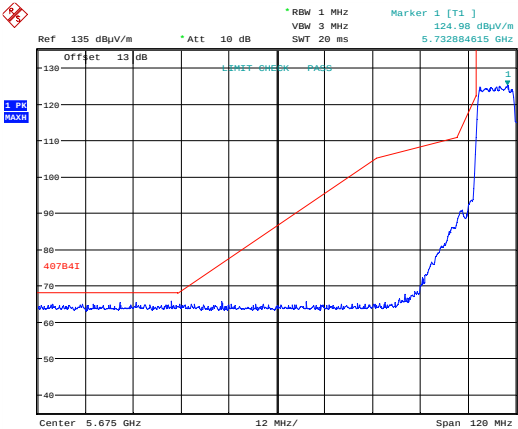
Date: 30. JAN. 2018 10:16:12

Band Edge AQU; 5730 MHz; 23.75 dBm.



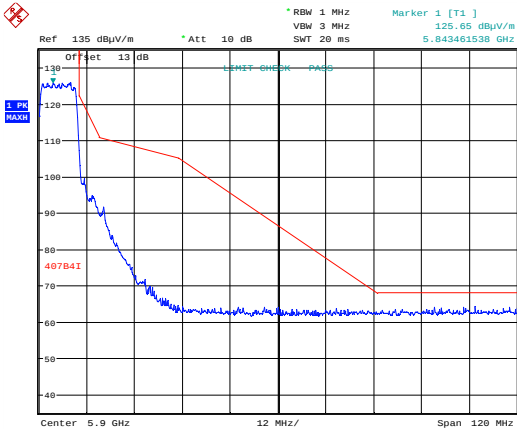
Date: 30. JAN. 2018 11:55:22

Band Edge AQU; 5845 MHz; 23.75 dBm.



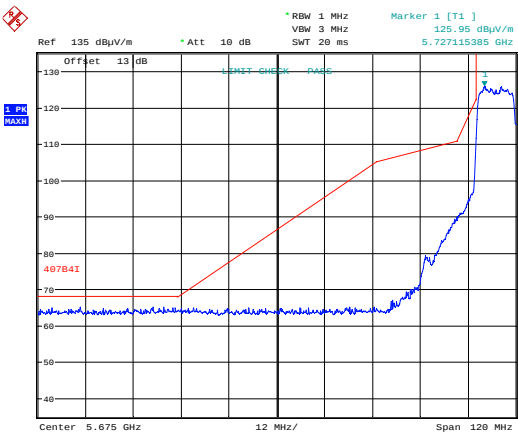
Date: 30. JAN. 2018 10:15:00

Band Edge BPSK; 5730 MHz; 23.75 dBm.



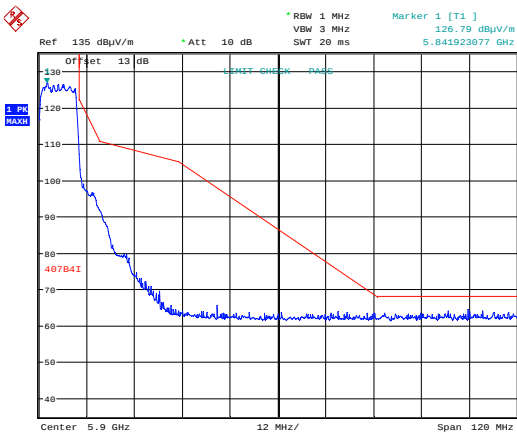
Date: 30. JAN. 2018 11:56:21

Band Edge BPSK; 5845 MHz; 23.75 dBm.



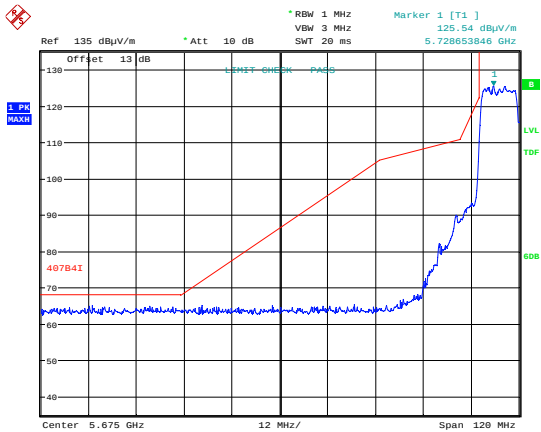
Date: 30. JAN. 2018 10:13:43

Band Edge QPSK; 5730 MHz; 23.75 dBm.



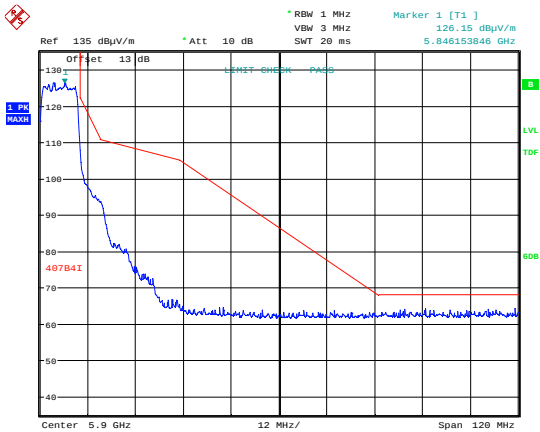
Date: 30. JAN. 2018 11:56:46

Band Edge QPSK; 5845 MHz; 23.75 dBm.



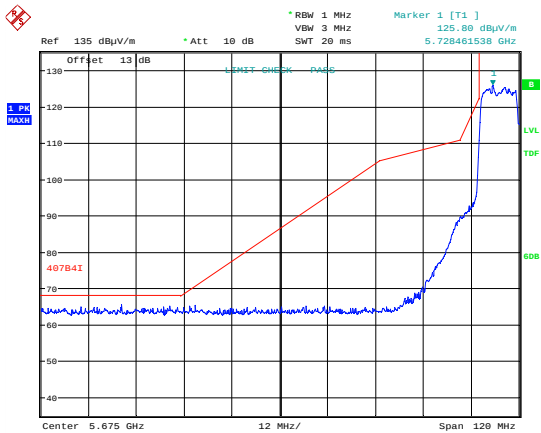
Date: 30.JAN.2018 10:12:46

Band Edge 16 QAM; 5730 MHz; 23.75 dBm.



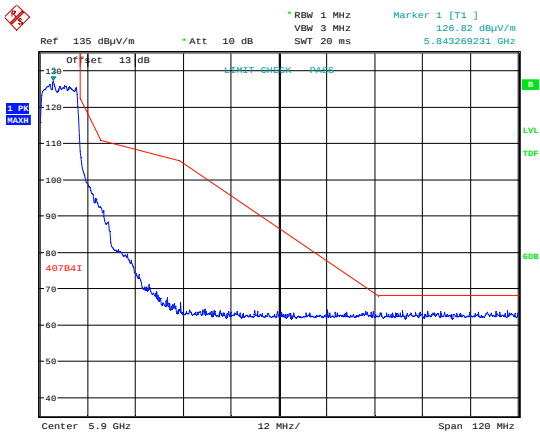
Date: 30.JAN.2018 11:57:18

Band Edge 16 QAM; 5845 MHz; 23.75 dBm.



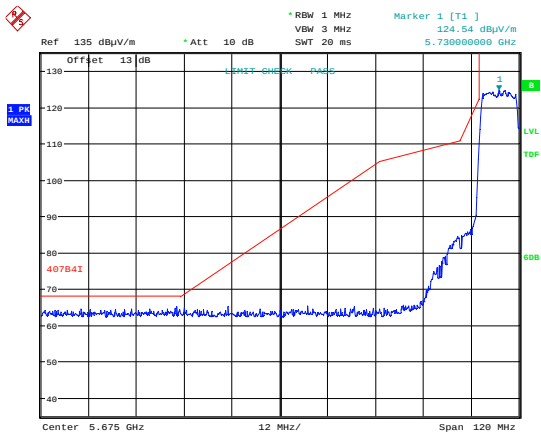
Date: 30.JAN.2018 10:12:08

Band Edge 64 QAM; 5730 MHz; 23.75 dBm.



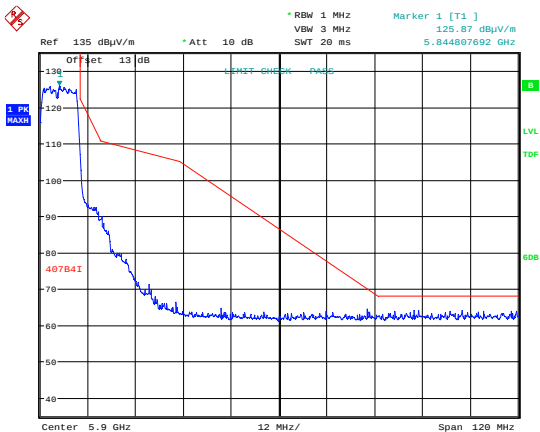
Date: 30.JAN.2018 11:57:49

Band Edge 64 QAM; 5845 MHz; 23.75 dBm.



Date: 30.JAN.2018 10:11:32

Band Edge 256 QAM; 5730 MHz; 23.75 dBm.

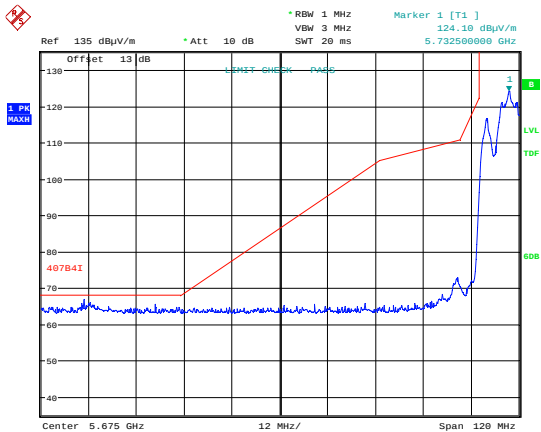


Date: 30.JAN.2018 11:58:16

Band Edge 256 QAM; 5845 MHz; 23.75 dBm.

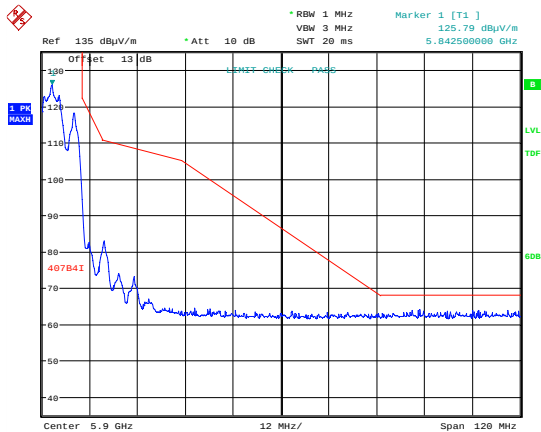
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5730	23.75
AQU	5845	23.75
BPSK	5730	23.75
BPSK	5845	23.75
QPSK	5730	23.75
QPSK	5845	23.75
16 QAM	5730	23.75
16 QAM	5845	23.75
64 QAM	5730	23.75
64 QAM	5845	23.75
256 QAM	5730	23.75
256 QAM	5845	23.75

15 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



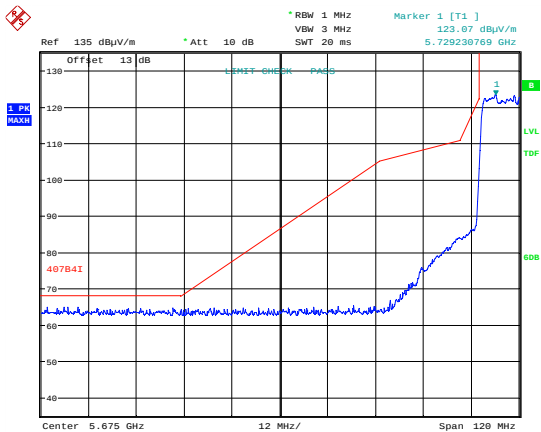
Date: 30.JAN.2018 10:21:28

Band Edge AQU; 5732.5 MHz; 23.75 dBm.



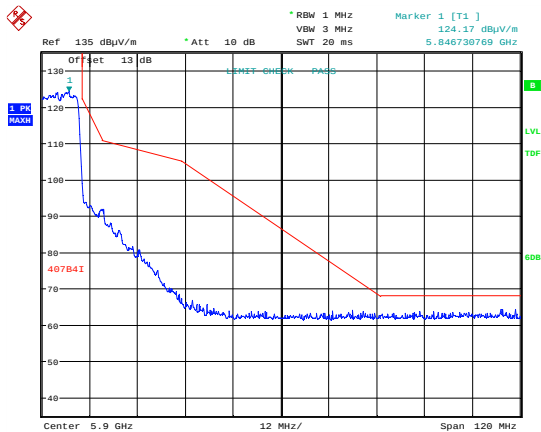
Date: 30.JAN.2018 11:54:27

Band Edge AQU; 5842.5 MHz; 23.75 dBm.



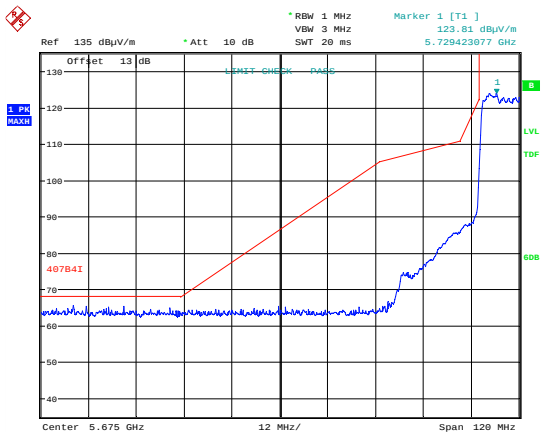
Date: 30.JAN.2018 10:22:00

Band Edge BPSK; 5732.5 MHz; 23.75 dBm.



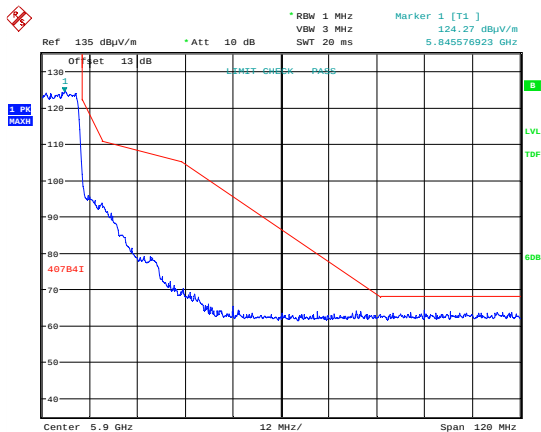
Date: 30.JAN.2018 11:54:02

Band Edge BPSK; 5842.5 MHz; 23.75 dBm.



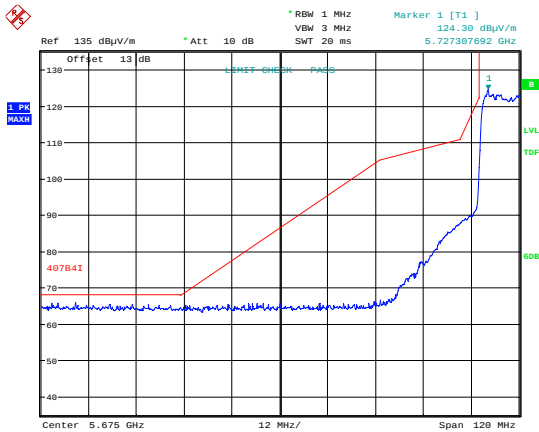
Date: 30.JAN.2018 10:22:26

Band Edge QPSK; 5732.5 MHz; 23.75 dBm.



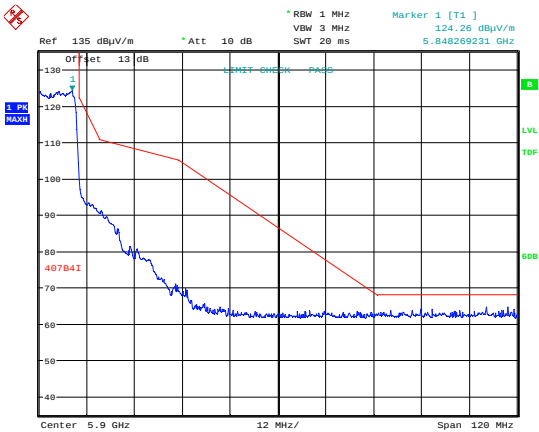
Date: 30.JAN.2018 11:53:35

Band Edge QPSK; 5842.5 MHz; 23.75 dBm.



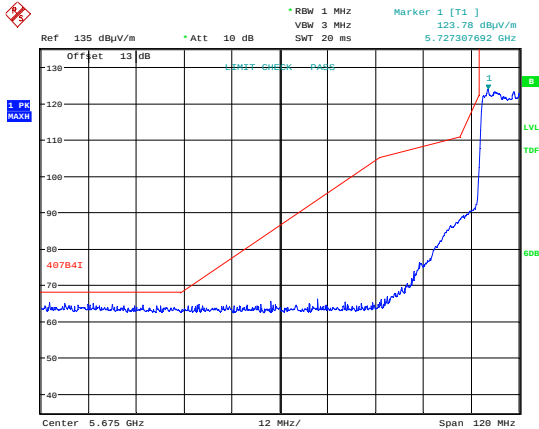
Date: 30.JAN.2018 10:30:00

Band Edge 16 QAM; 5732.5 MHz; 23.75 dBm.



Date: 30.JAN.2018 11:53:01

Band Edge 16 QAM; 5842.5 MHz; 23.75 dBm.



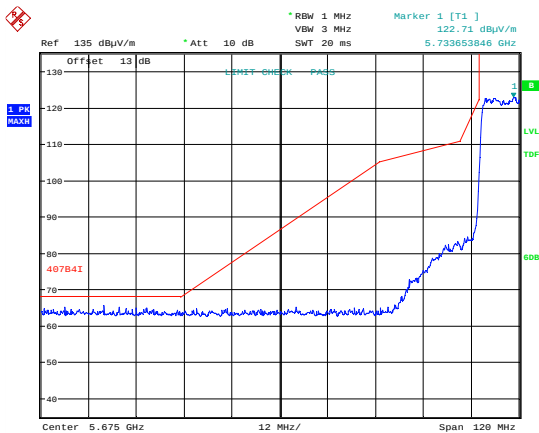
Date: 30.JAN.2018 10:30:26

Band Edge 64 QAM; 5732.5 MHz; 23.75 dBm.



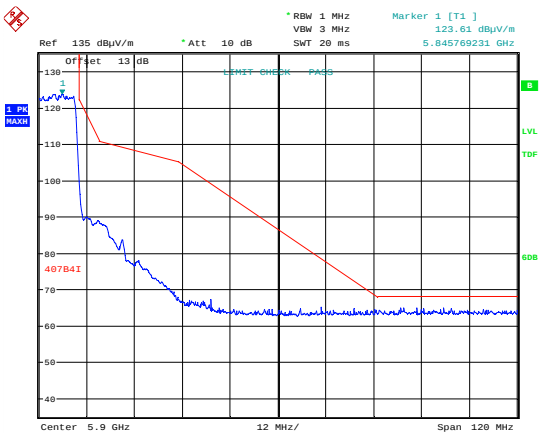
Date: 30.JAN.2018 11:52:34

Band Edge 64 QAM; 5842.5 MHz; 23.75 dBm.



Date: 30.JAN.2018 10:30:59

Band Edge 256 QAM; 5732.5 MHz; 23.75 dBm.

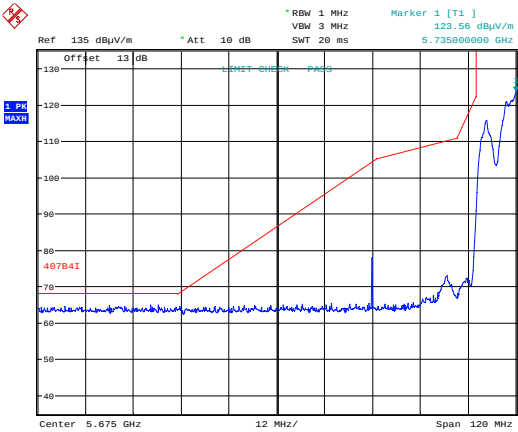


Date: 30.JAN.2018 11:52:11

Band Edge 256 QAM; 5842.5 MHz; 23.75 dBm.

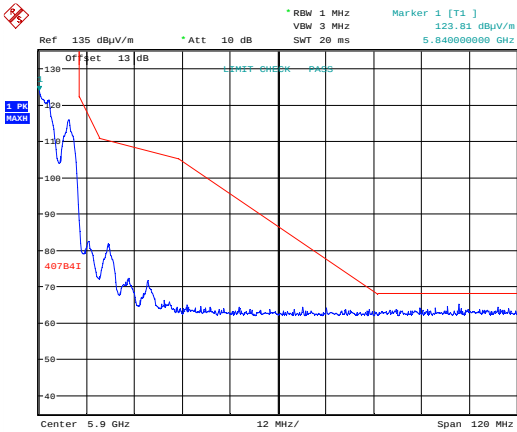
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5732.5	23.75
AQU	5842.5	23.75
BPSK	5732.5	23.75
BPSK	5842.5	23.75
QPSK	5732.5	23.75
QPSK	5842.5	23.75
16 QAM	5732.5	23.75
16 QAM	5842.5	23.75
64 QAM	5732.5	23.75
64 QAM	5842.5	23.75
256 QAM	5732.5	23.75
256 QAM	5842.5	23.75

20 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



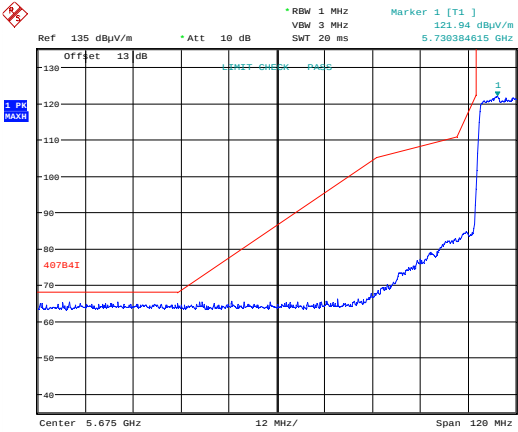
Date: 30.JAN.2018 11:01:58

Band Edge AQU; 5735 MHz; 23.75 dBm.



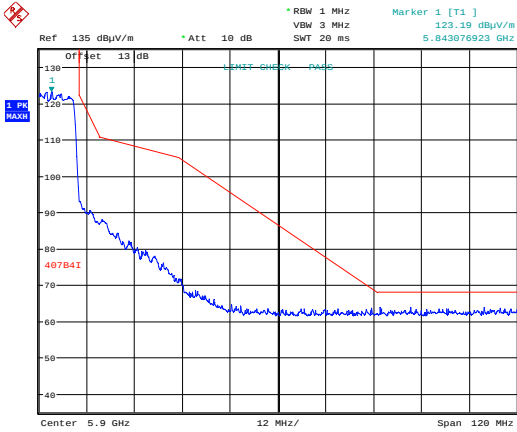
Date: 30.JAN.2018 11:42:55

Band Edge AQU; 5840 MHz; 23.75 dBm.



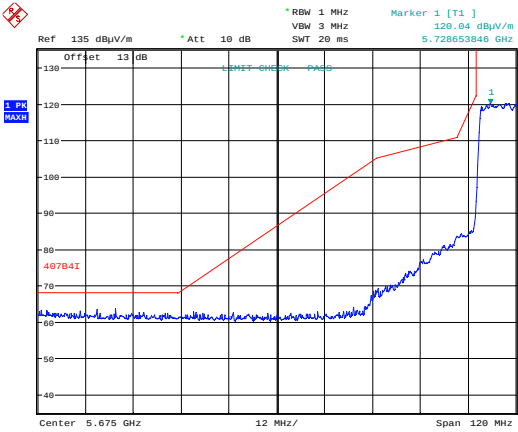
Date: 30.JAN.2018 11:01:28

Band Edge BPSK; 5735 MHz; 23.75 dBm.



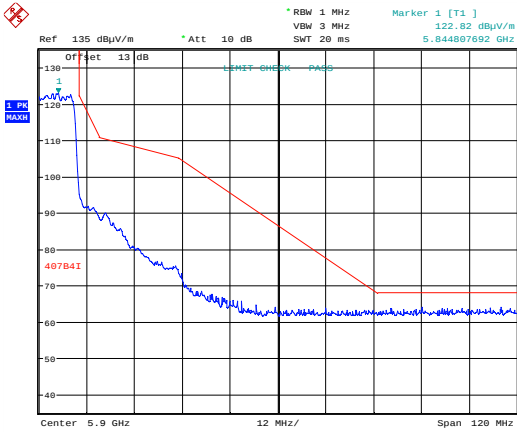
Date: 30.JAN.2018 11:43:21

Band Edge BPSK; 5840 MHz; 23.75 dBm.



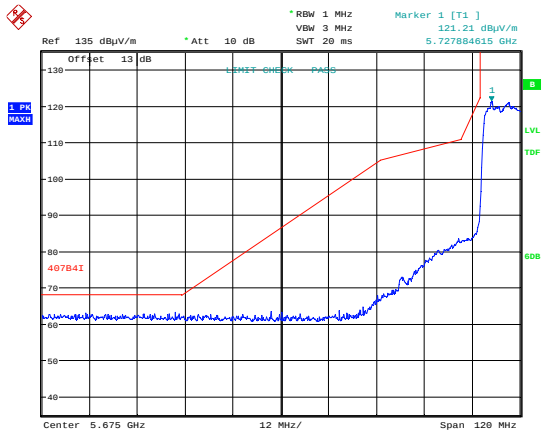
Date: 30.JAN.2018 21:20:57

Band Edge QPSK; 5735 MHz; 23.75 dBm.



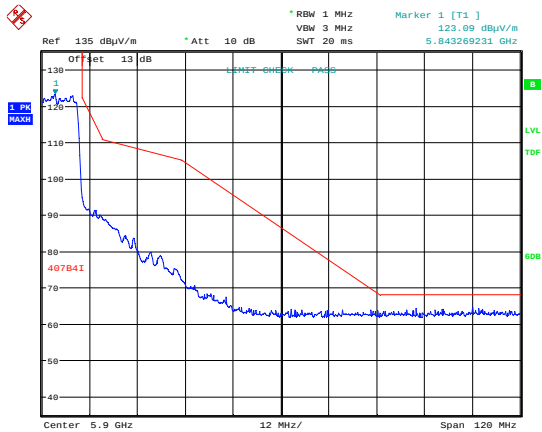
Date: 30.JAN.2018 11:43:53

Band Edge QPSK; 5840 MHz; 23.75 dBm.



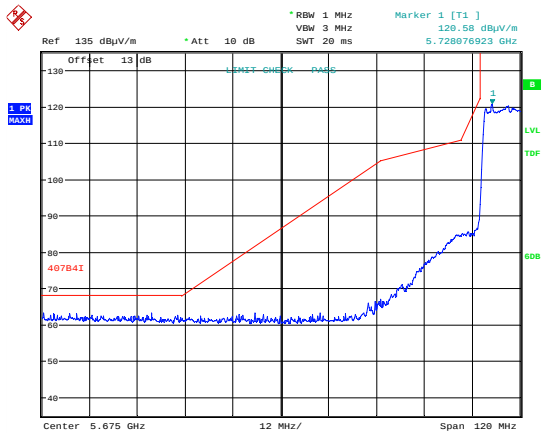
Date: 30.JAN.2018 21:19:23

Band Edge 16 QAM; 5735 MHz; 23.75 dBm.



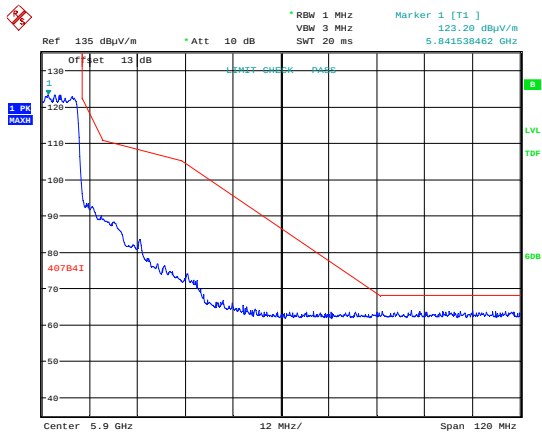
Date: 30.JAN.2018 11:44:47

Band Edge 16 QAM; 5840 MHz; 23.75 dBm.



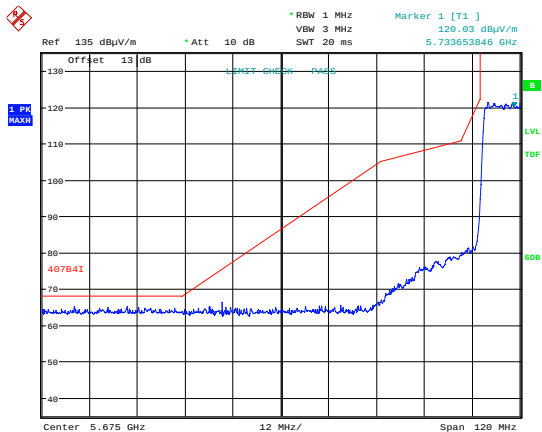
Date: 30.JAN.2018 21:20:07

Band Edge 64 QAM; 5735 MHz; 23.75 dBm.



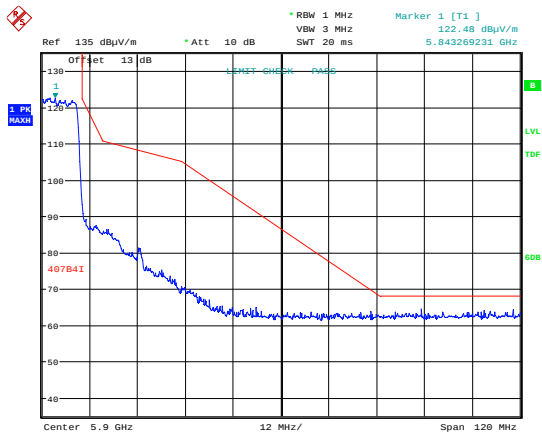
Date: 30.JAN.2018 11:45:28

Band Edge 64 QAM; 5840 MHz; 23.75 dBm.



Date: 30.JAN.2018 10:34:21

Band Edge 256 QAM; 5735 MHz; 23.75 dBm.

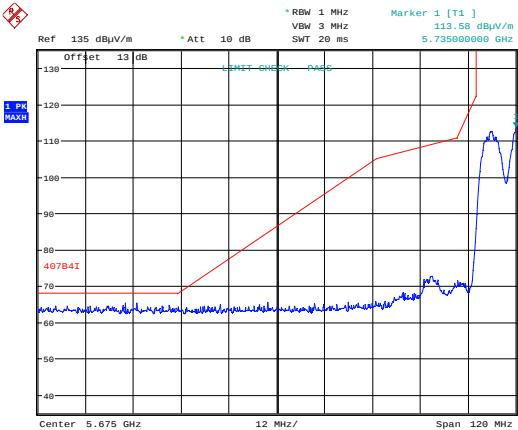


Date: 30.JAN.2018 11:46:03

Band Edge 256 QAM; 5840 MHz; 23.75 dBm.

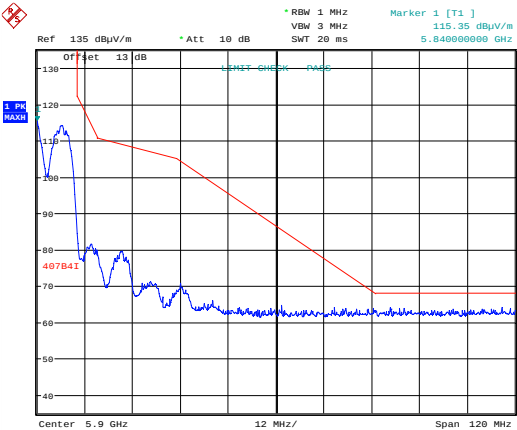
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5735	23.75
AQU	5840	23.75
BPSK	5735	23.75
BPSK	5840	23.75
QPSK	5735	23.75
QPSK	5840	23.75
16 QAM	5735	23.75
16 QAM	5840	23.75
64 QAM	5735	23.75
64 QAM	5840	23.75
256 QAM	5735	23.75
256 QAM	5840	23.75

30 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



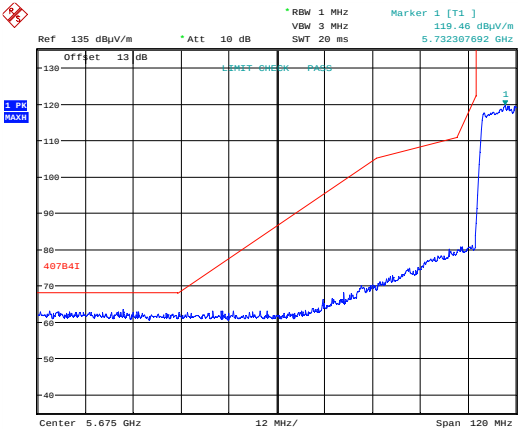
Date: 30.JAN.2018 11:12:11

Band Edge AQU; 5740 MHz; 23.75 dBm.



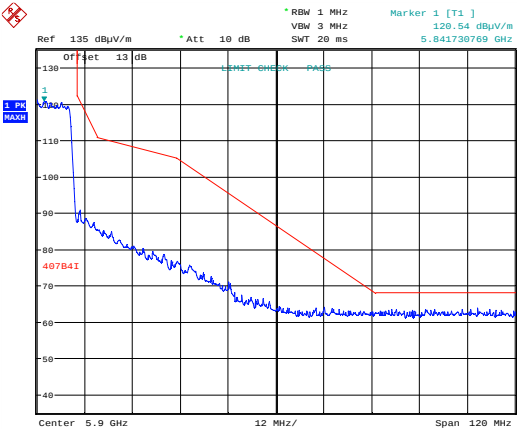
Date: 30.JAN.2018 11:41:44

Band Edge AQU; 5835 MHz; 23.75 dBm.



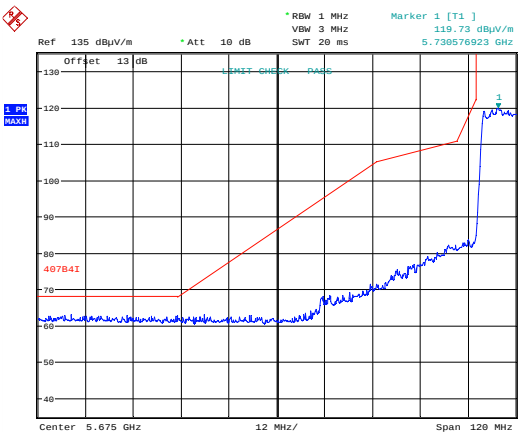
Date: 30.JAN.2018 11:17:34

Band Edge BPSK; 5740 MHz; 23.75 dBm.



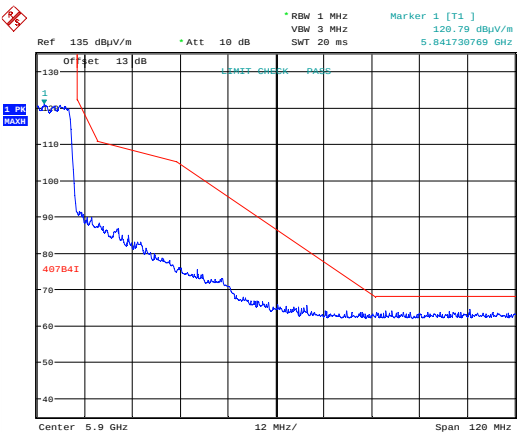
Date: 30.JAN.2018 11:41:16

Band Edge BPSK; 5835 MHz; 23.75 dBm.



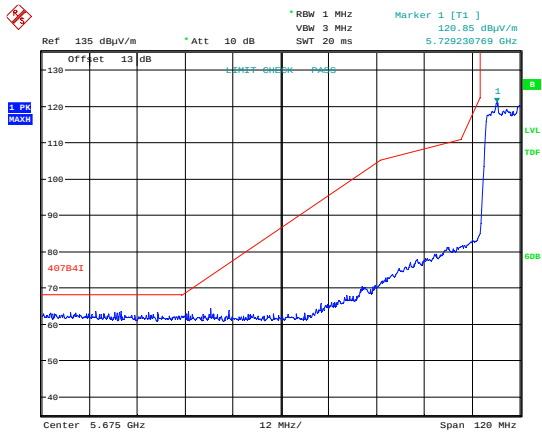
Date: 30.JAN.2018 11:18:18

Band Edge QPSK; 5740 MHz; 23.75 dBm.



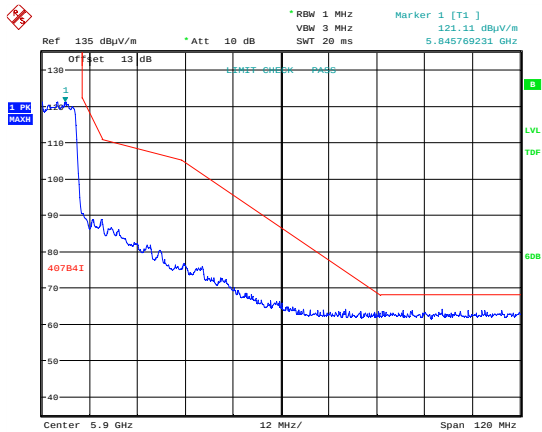
Date: 30.JAN.2018 11:40:09

Band Edge QPSK; 5835 MHz; 23.75 dBm.



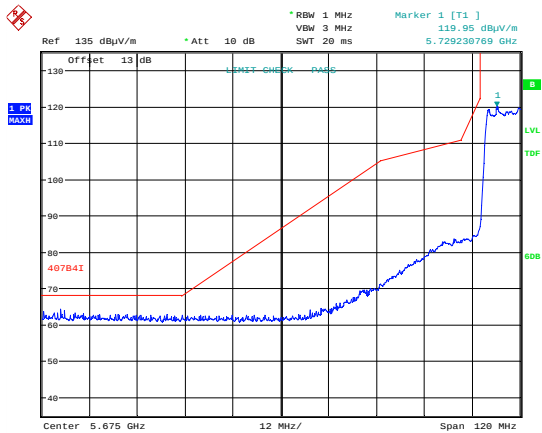
Date: 30.JAN.2018 11:19:02

Band Edge 16 QAM; 5740 MHz; 23.75 dBm.



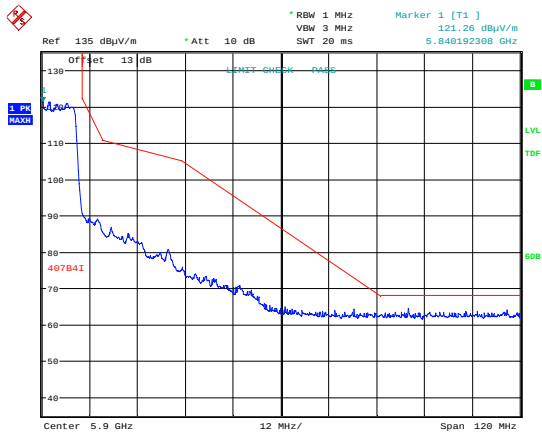
Date: 30.JAN.2018 11:39:31

Band Edge 16 QAM; 5835 MHz; 23.75 dBm.



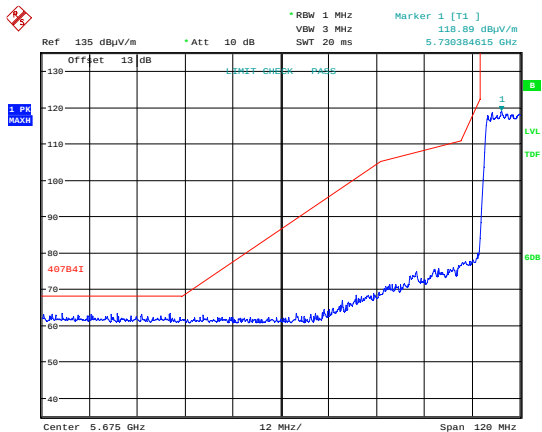
Date: 30.JAN.2018 11:19:33

Band Edge 64 QAM; 5740 MHz; 23.75 dBm.



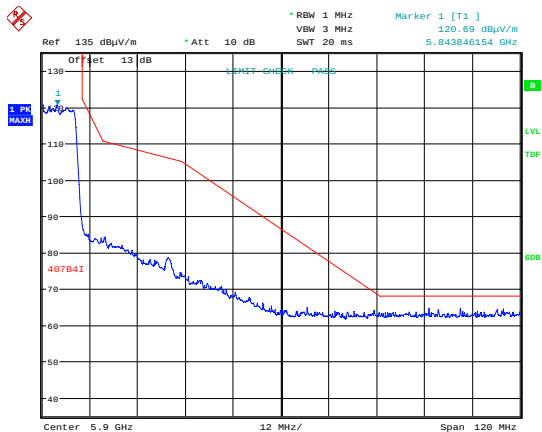
Date: 30.JAN.2018 11:39:03

Band Edge 64 QAM; 5835 MHz; 23.75 dBm.



Date: 30.JAN.2018 11:20:05

Band Edge 256 QAM; 5740 MHz; 23.75 dBm.

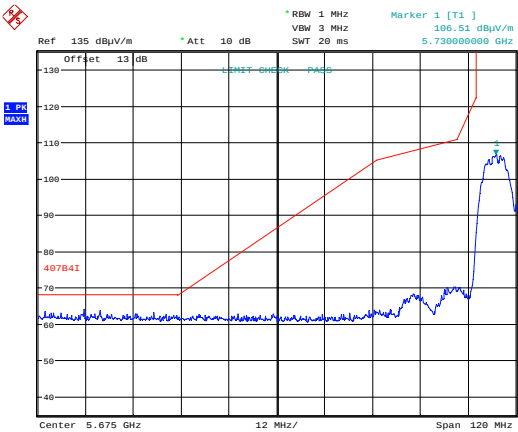


Date: 30.JAN.2018 11:38:27

Band Edge 256 QAM; 5835 MHz; 23.75 dBm.

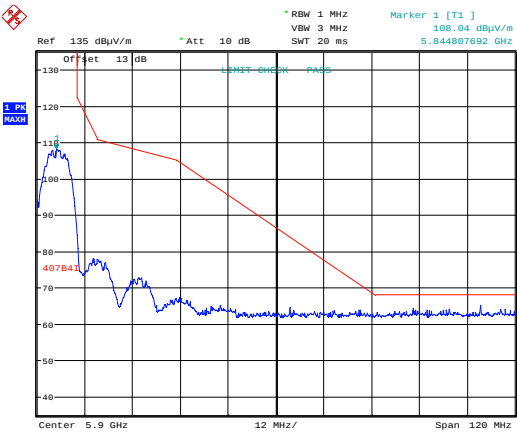
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5740	23.75
AQU	5835	23.75
BPSK	5740	23.75
BPSK	5835	23.75
QPSK	5740	23.75
QPSK	5835	23.75
16 QAM	5740	23.75
16 QAM	5835	23.75
64 QAM	5740	23.75
64 QAM	5835	23.75
256 QAM	5740	23.75
256 QAM	5835	23.75

40 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



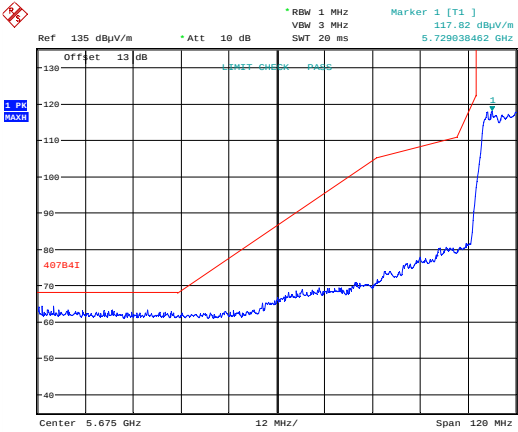
Date: 30. JAN.2018 11:24:51

Band Edge AQU; 5745 MHz; 23.75 dBm.



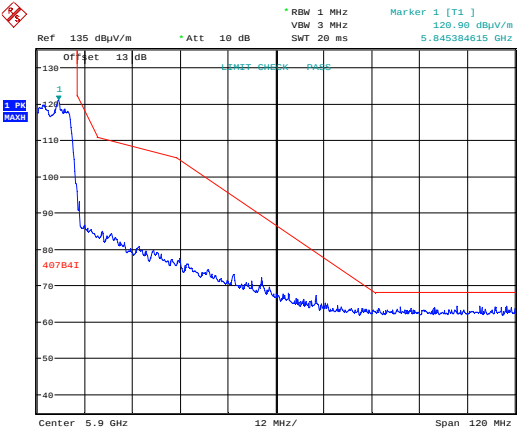
Date: 30. JAN.2018 11:33:49

Band Edge AQU; 5830 MHz; 23.75 dBm.



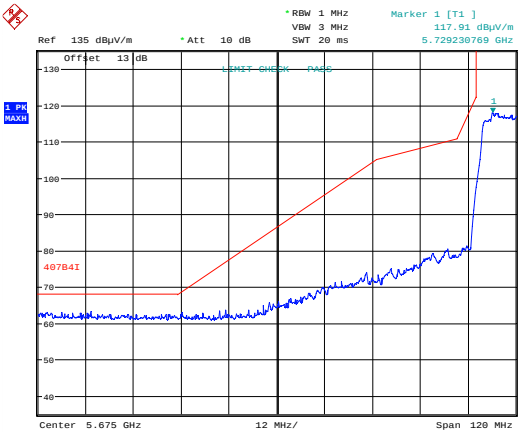
Date: 30. JAN.2018 11:24:14

Band Edge BPSK; 5745 MHz; 23.75 dBm.



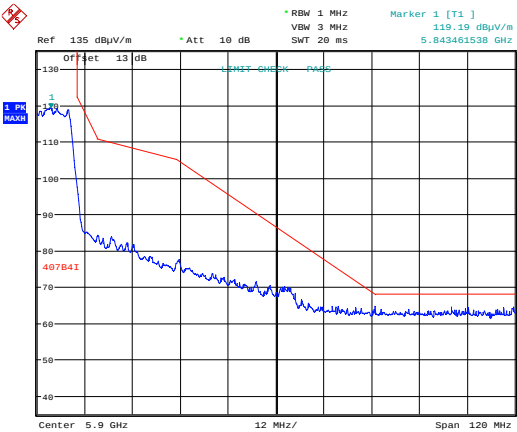
Date: 30. JAN.2018 11:34:22

Band Edge BPSK; 5830 MHz; 23.75 dBm.



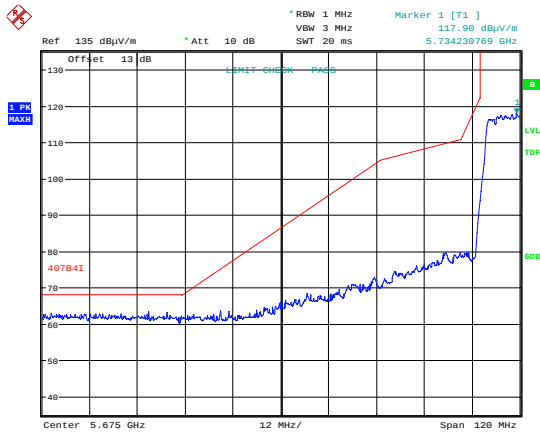
Date: 30. JAN.2018 11:23:33

Band Edge QPSK; 5745 MHz; 23.75 dBm.



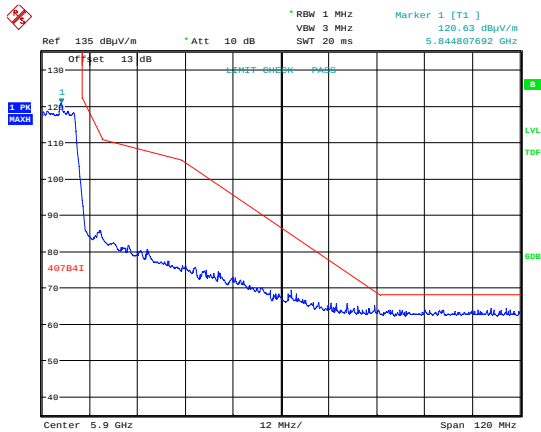
Date: 30. JAN.2018 11:34:55

Band Edge QPSK; 5830 MHz; 23.75 dBm.



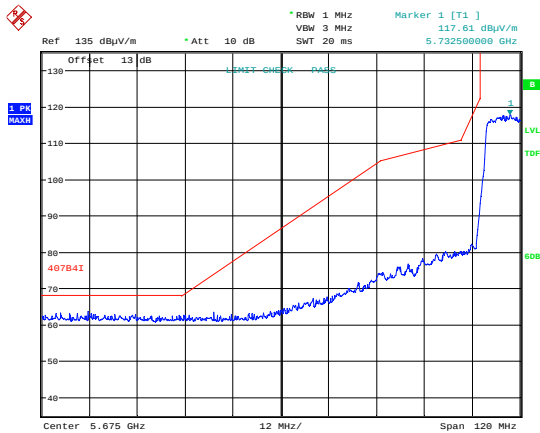
Date: 30.JAN.2018 11:22:59

Band Edge 16 QAM; 5745 MHz; 23.75 dBm.



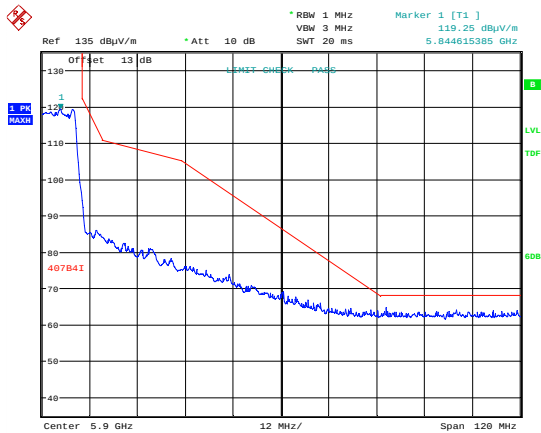
Date: 30.JAN.2018 11:35:46

Band Edge 16 QAM; 5830 MHz; 23.75 dBm.



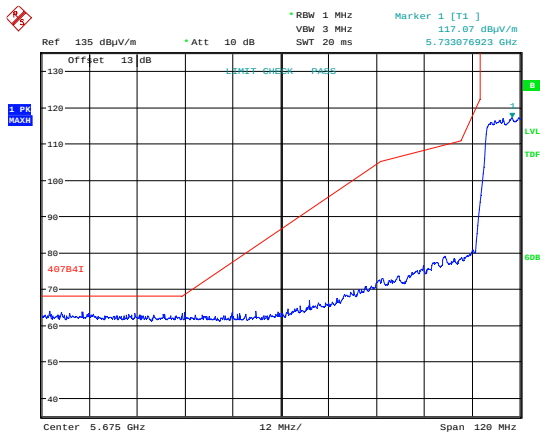
Date: 30.JAN.2018 11:22:21

Band Edge 64 QAM; 5745 MHz; 23.75 dBm.



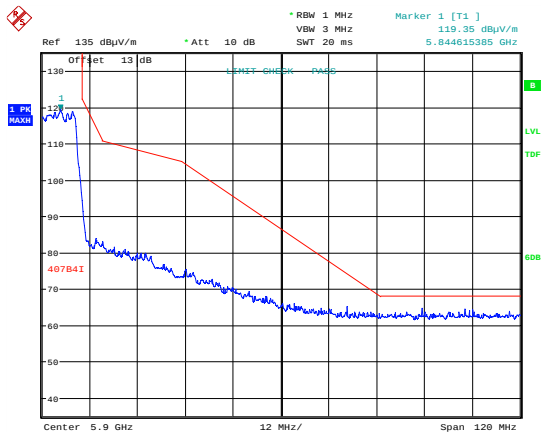
Date: 30.JAN.2018 11:36:15

Band Edge 64 QAM; 5830 MHz; 23.75 dBm.



Date: 30.JAN.2018 11:21:49

Band Edge 256 QAM; 5745 MHz; 23.75 dBm.

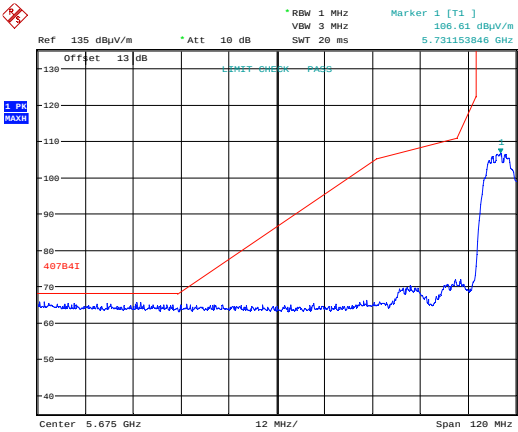


Date: 30.JAN.2018 11:36:51

Band Edge 256 QAM; 5830 MHz; 23.75 dBm.

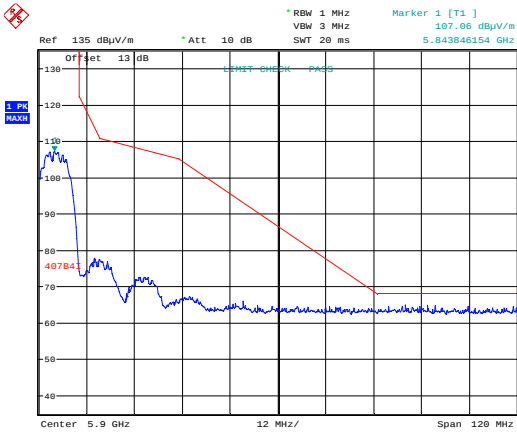
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5745	23.75
AQU	5830	23.75
BPSK	5745	23.75
BPSK	5830	23.75
QPSK	5745	23.75
QPSK	5830	23.75
16 QAM	5745	23.75
16 QAM	5830	23.75
64 QAM	5745	23.75
64 QAM	5830	23.75
256 QAM	5745	23.75
256 QAM	5830	23.75

45 MHz bandwidth Band Edge compliance (Omnidirectional antenna)



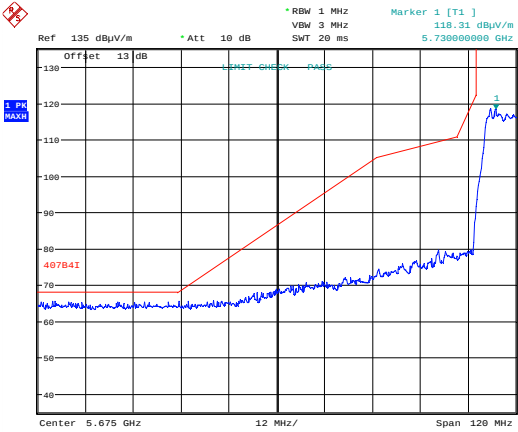
Date: 29. JAN. 2018 15:48:18

Band Edge AQU; 5747.5 MHz; 23.75 dBm.



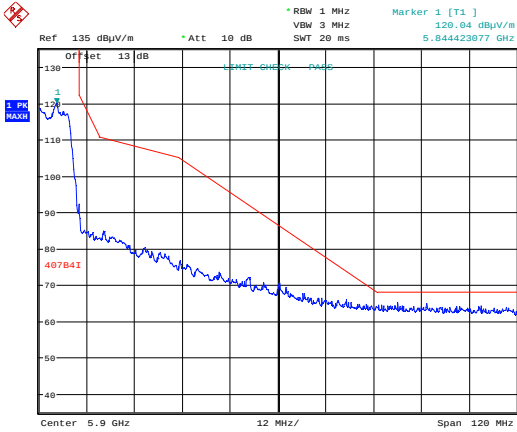
Date: 29. JAN. 2018 15:53:14

Band Edge AQU; 5827.5 MHz; 23.75 dBm.



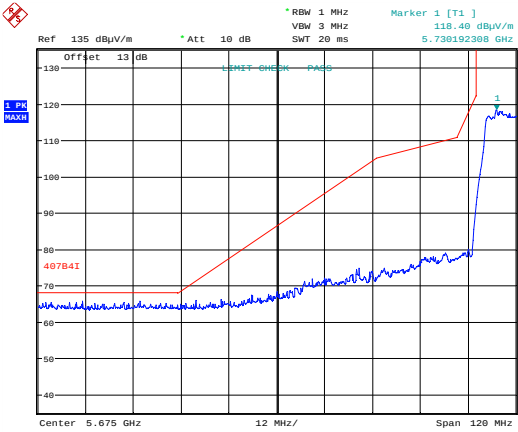
Date: 29. JAN. 2018 15:48:52

Band Edge BPSK; 5747.5 MHz; 23.75 dBm.



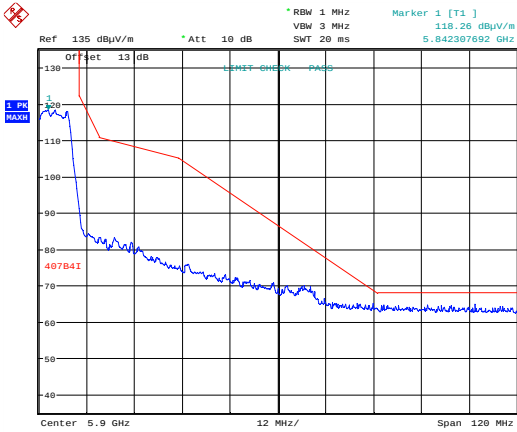
Date: 29. JAN. 2018 15:53:52

Band Edge BPSK; 5827.5 MHz; 23.75 dBm.



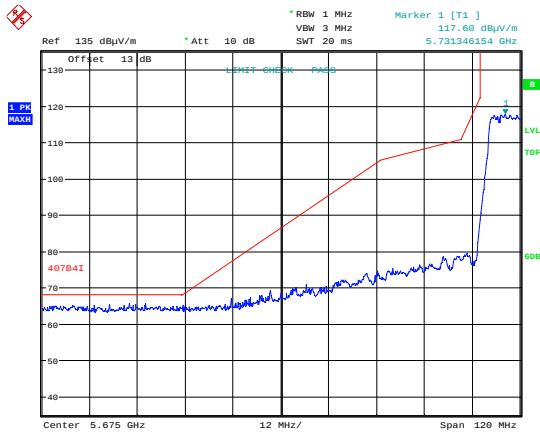
Date: 29. JAN. 2018 15:49:23

Band Edge QPSK; 5747.5 MHz; 23.75 dBm.



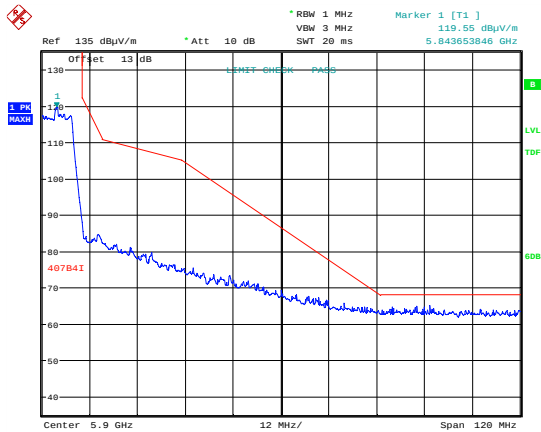
Date: 29. JAN. 2018 15:54:46

Band Edge QPSK; 5827.5 MHz; 23.75 dBm.



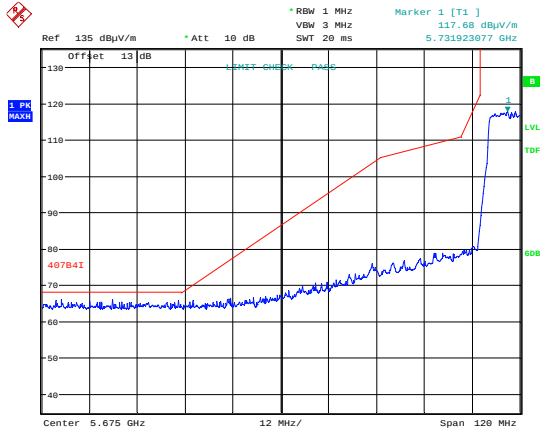
Date: 29. JAN. 2018 15:49:57

Band Edge 16 QAM; 5747.5 MHz; 23.75 dBm.



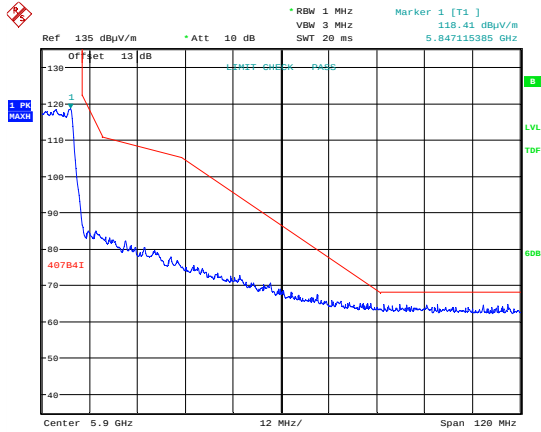
Date: 29. JAN. 2018 15:55:22

Band Edge 16 QAM; 5827.5 MHz; 23.75 dBm.



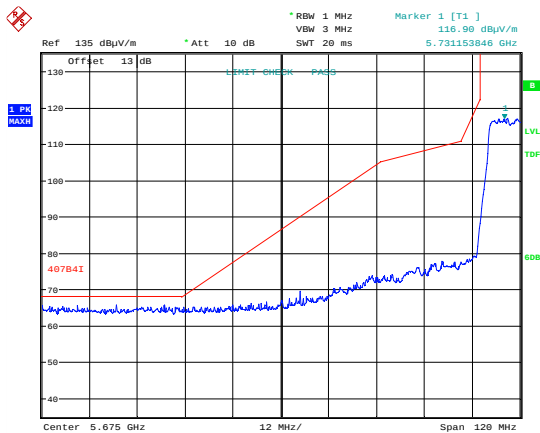
Date: 29. JAN. 2018 15:50:31

Band Edge 64 QAM; 5747.5 MHz; 23.75 dBm.



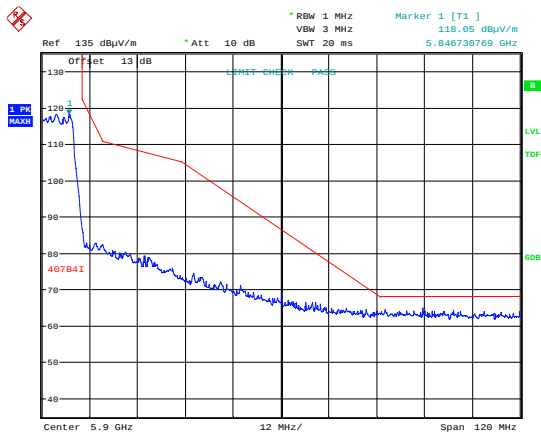
Date: 29. JAN. 2018 15:56:00

Band Edge 64 QAM; 5827.5 MHz; 23.75 dBm.



Date: 29. JAN. 2018 15:51:15

Band Edge 256 QAM; 5747.5 MHz; 23.75 dBm.

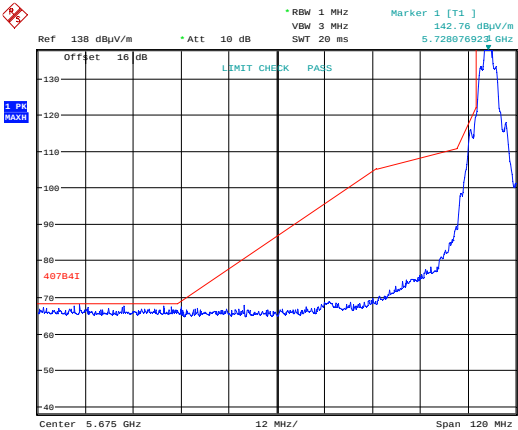


Date: 29. JAN. 2018 15:56:38

Band Edge 256 QAM; 5827.5 MHz; 23.75 dBm.

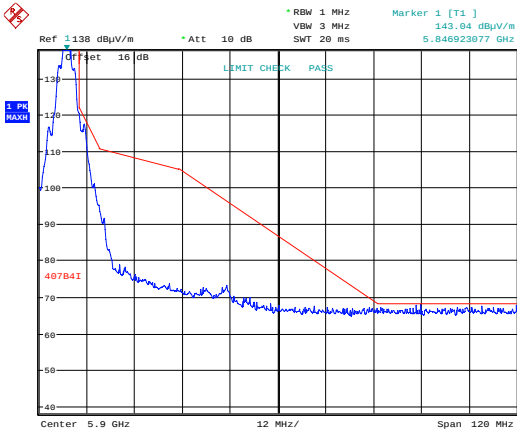
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5747.5	23.75
AQU	5827.5	23.75
BPSK	5747.5	23.75
BPSK	5827.5	23.75
QPSK	5747.5	23.75
QPSK	5827.5	23.75
16 QAM	5747.5	23.75
16 QAM	5827.5	23.75
64 QAM	5747.5	23.75
64 QAM	5827.5	23.75
256 QAM	5747.5	23.75
256 QAM	5827.5	23.75

5 MHz bandwidth Band Edge compliance (Parabolic antenna)



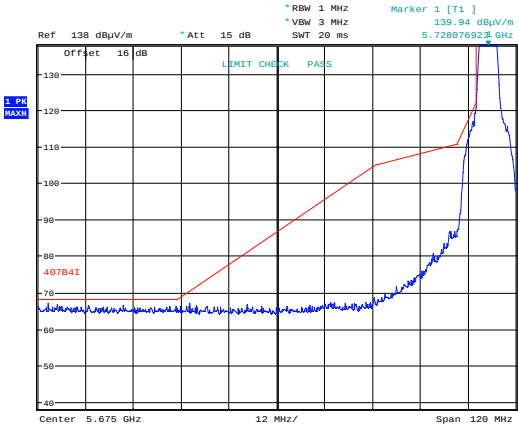
Date: 31.JAN.2018 08:01:11

Band Edge AQU; 5728 MHz; 27 dBm.



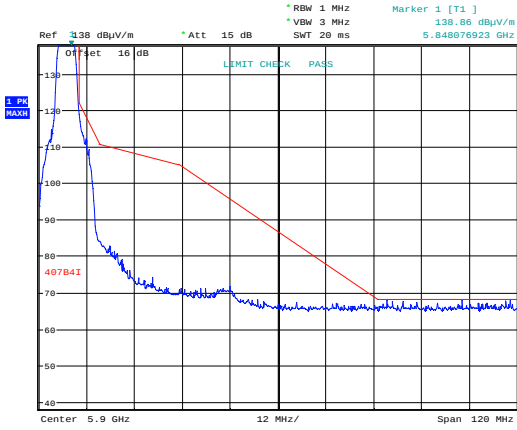
Date: 31.JAN.2018 08:14:33

Band Edge AQU; 5847 MHz; 27 dBm.



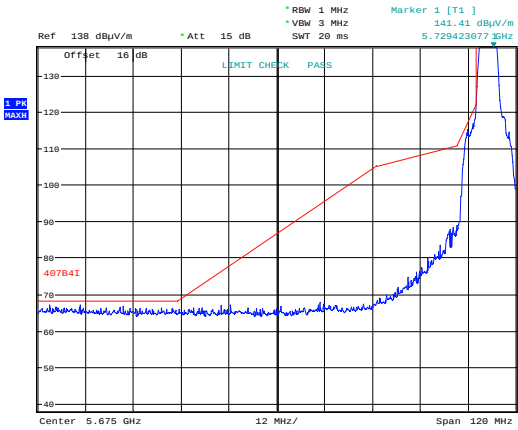
Date: 5.MAR.2018 19:13:18

Band Edge BPSK; 5728 MHz; 24 dBm.



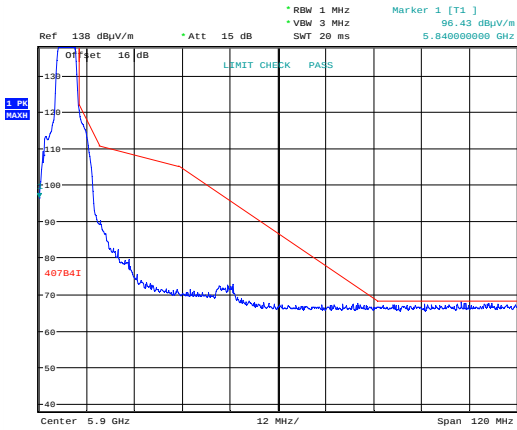
Date: 5.MAR.2018 19:43:43

Band Edge BPSK; 5847 MHz; 23 dBm.



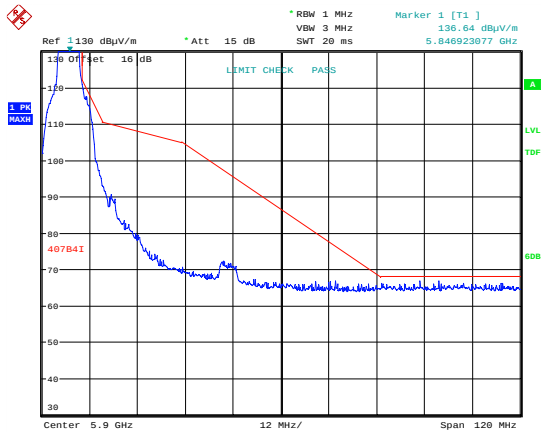
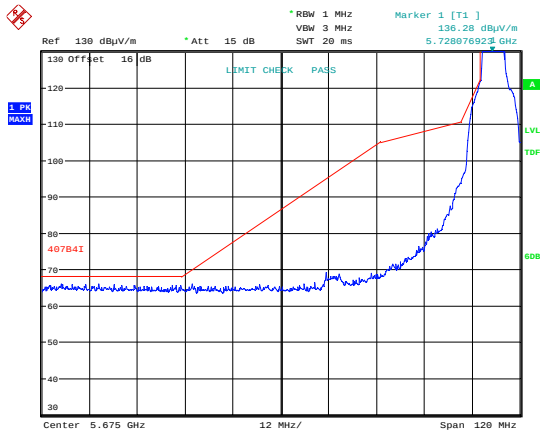
Date: 5.MAR.2018 19:16:04

Band Edge QPSK; 5728 MHz; 24 dBm.



Date: 5.MAR.2018 19:31:33

Band Edge QPSK; 5847 MHz; 22.75 dBm.

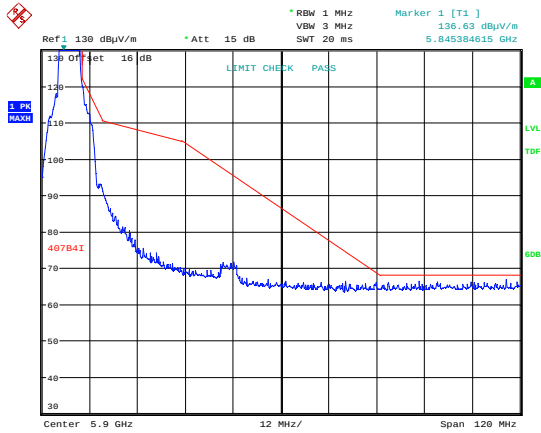
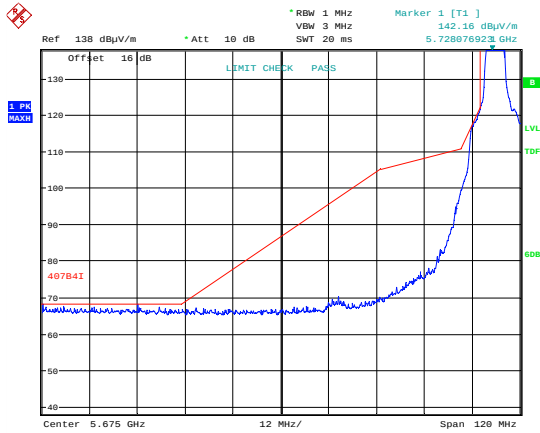


Date: 1.FEB.2018 12:25:32

Band Edge 16 QAM; 5728.25 MHz; 25 dBm.

Date: 1.FEB.2018 12:35:50

Band Edge 16 QAM; 5846.75 MHz; 25 dBm.

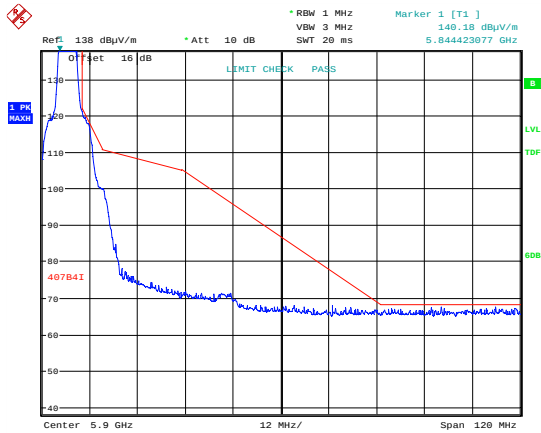
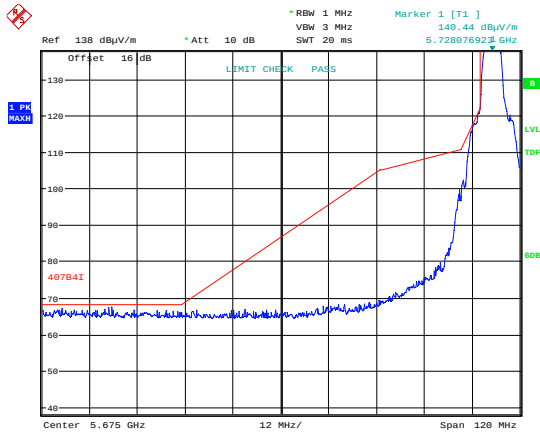


Date: 31.JAN.2018 08:10:36

Band Edge 64 QAM; 5728.75 MHz; 24 dBm.

Date: 1.FEB.2018 12:37:20

Band Edge 64 QAM; 5847 MHz; 24 dBm.



Date: 31.JAN.2018 08:12:06

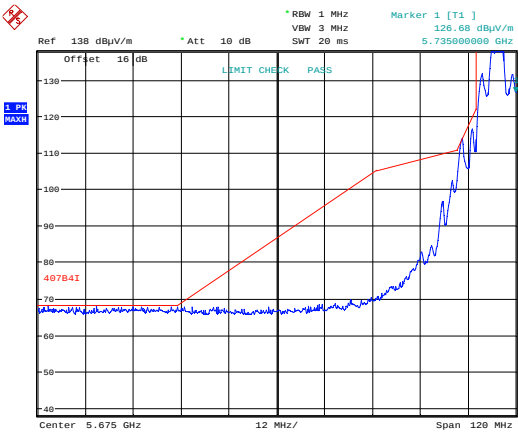
Band Edge 256 QAM; 5728 MHz; 23 dBm.

Date: 31.JAN.2018 08:30:24

Band Edge 256 QAM; 5846.5 MHz; 23 dBm.

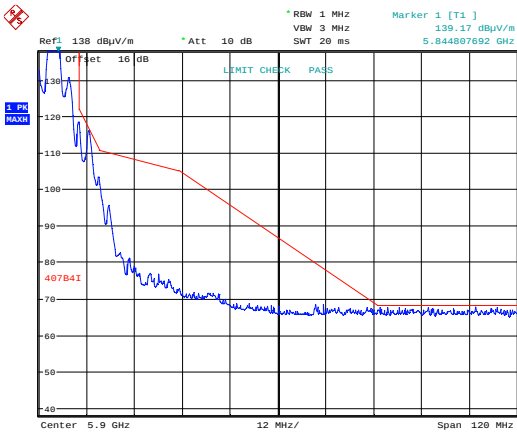
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5728	27
AQU	5847	27
BPSK	5728	24
BPSK	5847	23
QPSK	5728	24
QPSK	5847	22.75
16 QAM	5728.25	25
16 QAM	5846.75	25
64 QAM	5728.75	24
64 QAM	5847	24
256 QAM	5728	23
256 QAM	5846.5	23

10 MHz bandwidth Band Edge compliance (Parabolic antenna)



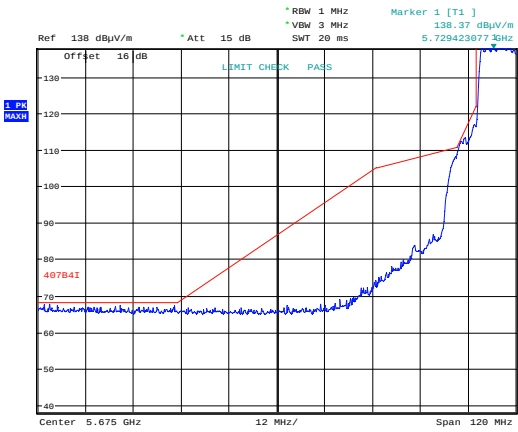
Date: 31.JAN.2018 08:36:51

Band Edge AQU; 5730.25 MHz; 27 dBm.



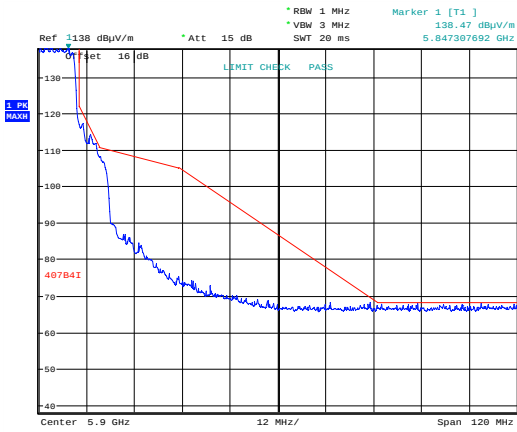
Date: 31.JAN.2018 08:52:08

Band Edge AQU; 5843.75 MHz; 27 dBm.



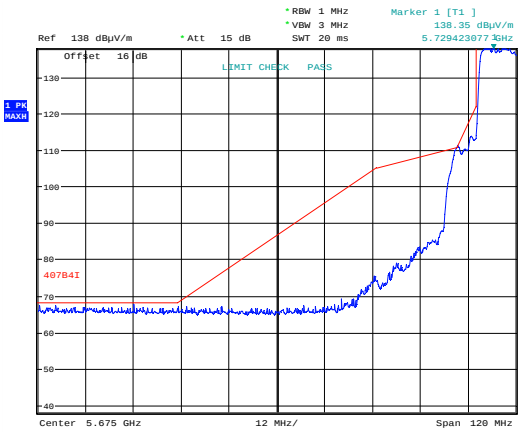
Date: 5.MAR.2018 19:20:21

Band Edge BPSK; 5730.5 MHz; 25 dBm.



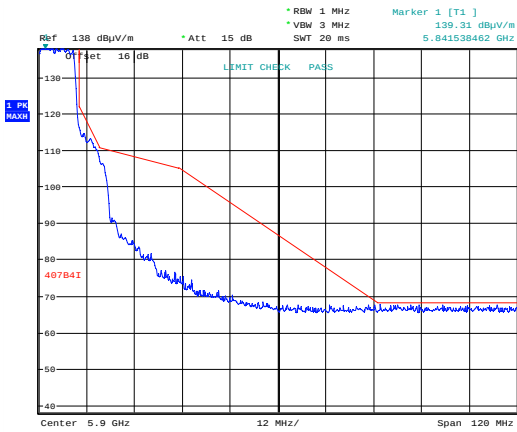
Date: 5.MAR.2018 19:38:45

Band Edge BPSK; 5877.5 MHz; 24.25 dBm.



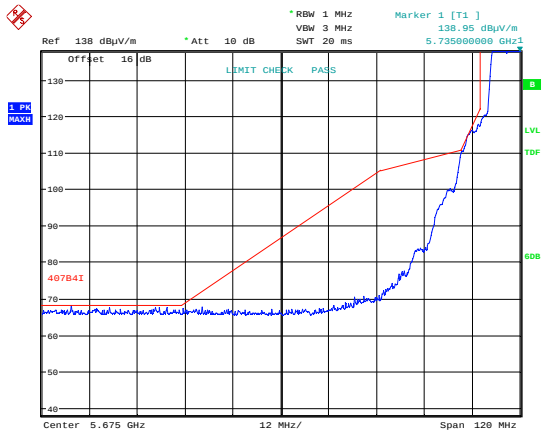
Date: 5.MAR.2018 19:22:38

Band Edge QPSK; 5730.5 MHz; 24 dBm.



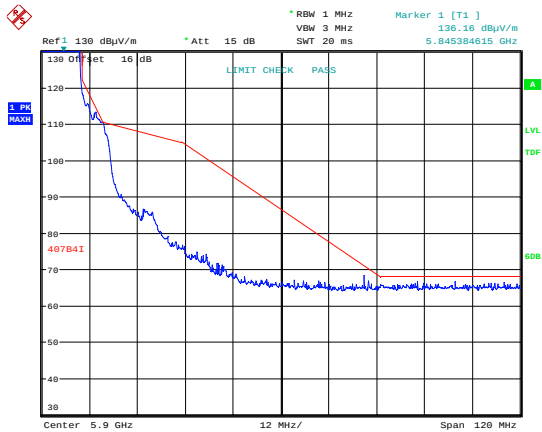
Date: 5.MAR.2018 19:41:17

Band Edge QPSK; 5844.5 MHz; 24 dBm.



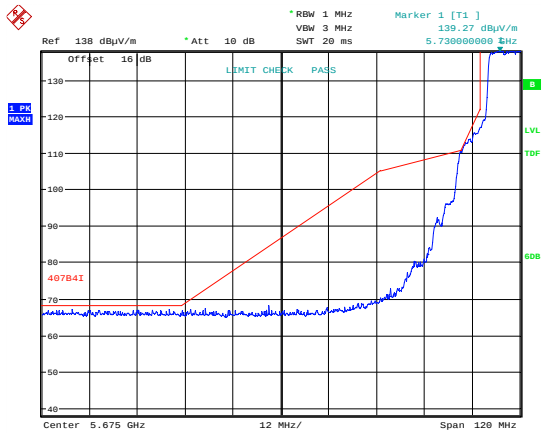
Date: 31.JAN.2018 08:43:16

Band Edge 16 QAM; 5732.25 MHz; 25 dBm.



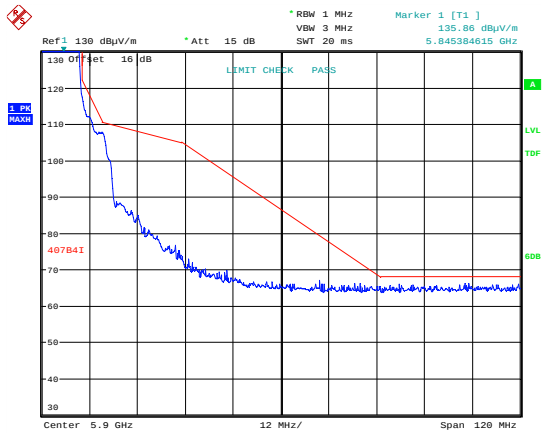
Date: 1.FEB.2018 12:44:04

Band Edge 16 QAM; 5731.75 MHz; 25 dBm.



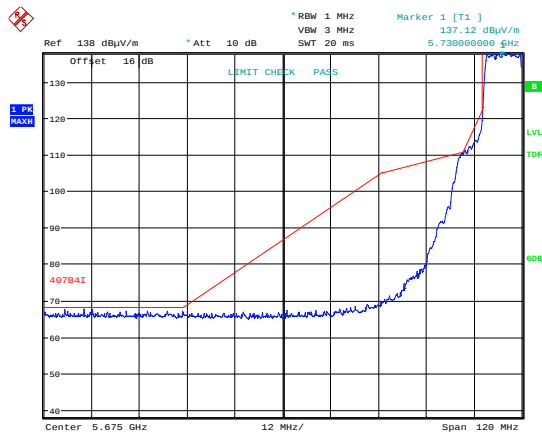
Date: 31.JAN.2018 08:47:19

Band Edge 64 QAM; 5844.75 MHz; 24 dBm.



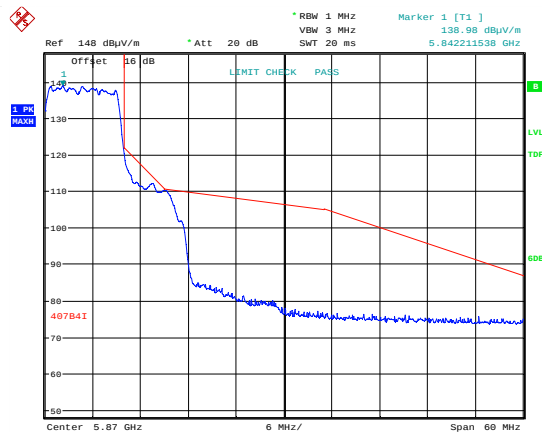
Date: 1.FEB.2018 12:45:49

Band Edge 64 QAM; 5844.75 MHz; 24 dBm.



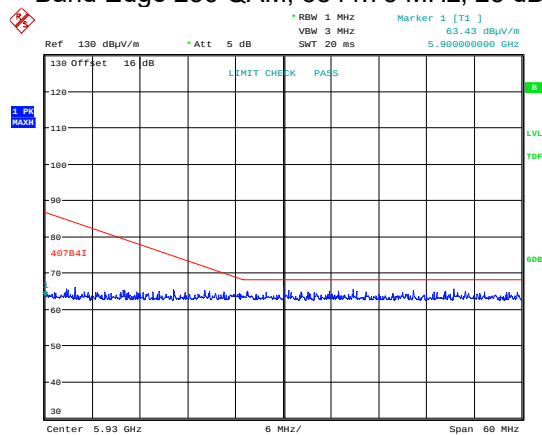
Date: 31.JAN.2018 08:49:16

Band Edge 256 QAM; 5730.25 MHz; 23 dBm.



Date: 31.JAN.2018 09:57:13

Band Edge 256 QAM; 5844.75 MHz; 23 dBm.

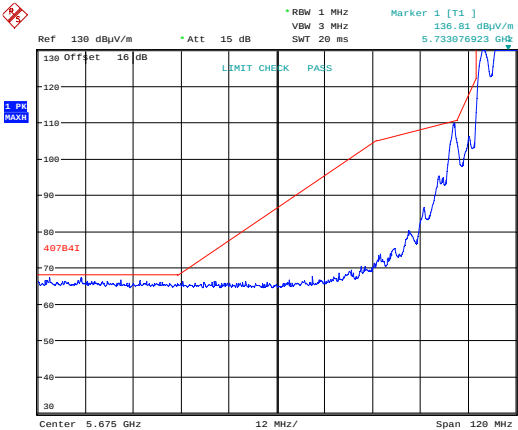


Date: 31.JAN.2018 09:58:31

Band Edge 256 QAM; 5844.75 MHz; 23 dBm.

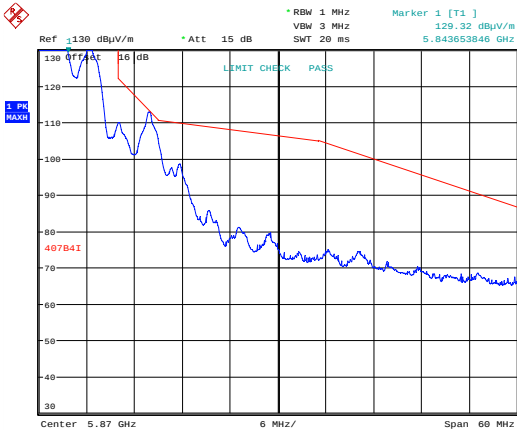
Frequencies and Power setting to comply		
Mod Mode	Frequency (MHz)	Power Setting (dBm)
AQU	5730.25	27
AQU	5843.75	27
BPSK	5730.5	25
BPSK	5877.5	24.25
QPSK	5730.5	24
QPSK	5844.5	24
16 QAM	5732.25	25
16 QAM	5731.75	25
64 QAM	5844.75	24
64 QAM	5844.75	24
256 QAM	5730.25	23
256 QAM	5844.75	23

15 MHz bandwidth Band Edge compliance (Parabolic antenna)



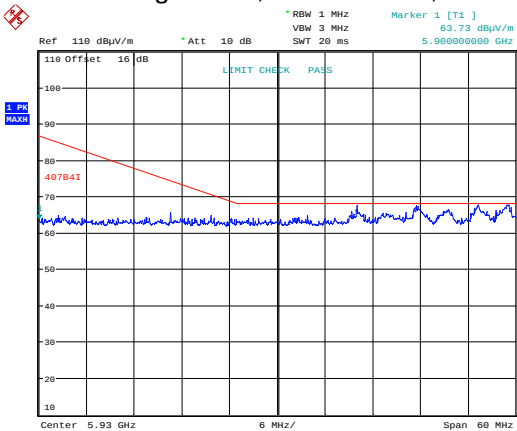
Date: 31.JAN.2018 10:06:55

Band Edge AQU; 5732.5 MHz; 27 dBm.



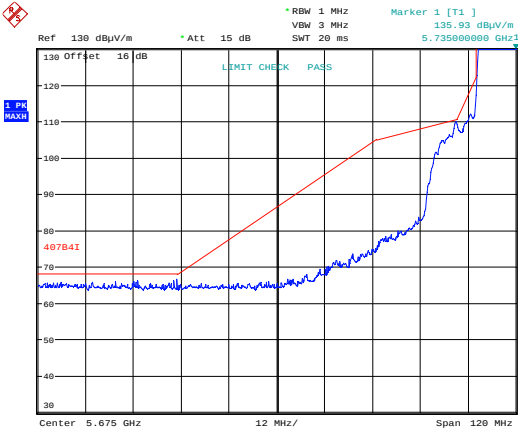
Date: 31.JAN.2018 10:37:16

Band Edge AQU; 5840.75 MHz; 27 dBm.



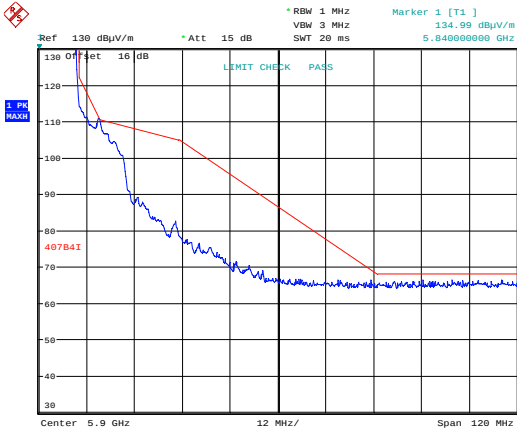
Date: 31.JAN.2018 10:37:57

Band Edge AQU; 5840.75 MHz; 27 dBm.



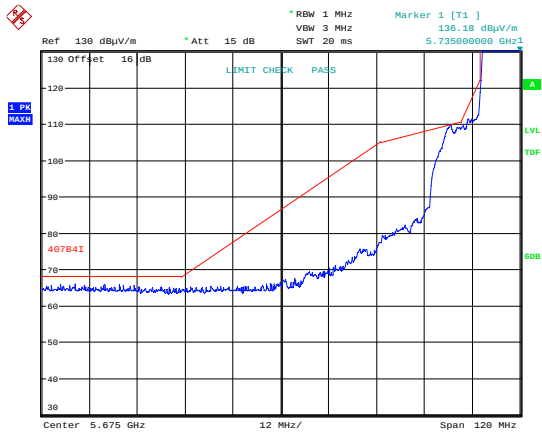
Date: 1.FEB.2018 12:58:38

Band Edge BPSK; 5732.5 MHz; 24.5 dBm.



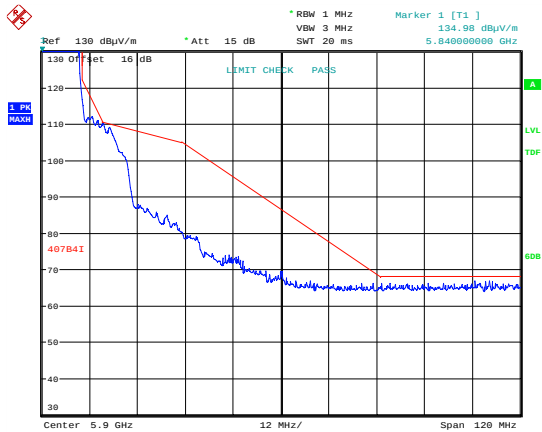
Date: 1.FEB.2018 13:02:44

Band Edge BPSK; 5842.5 MHz; 24.75 dBm.



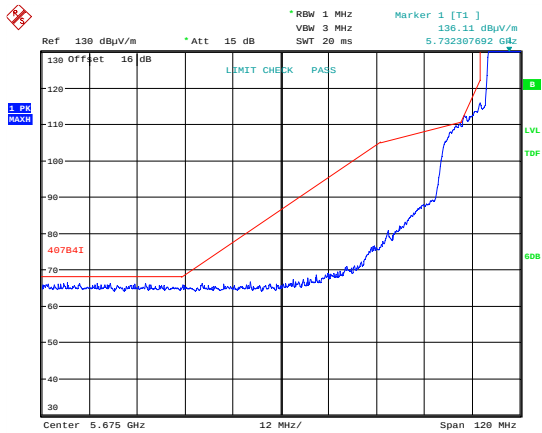
Date: 1.FEB.2018 12:59:48

Band Edge QPSK; 5732.5 MHz; 24.75 dBm.



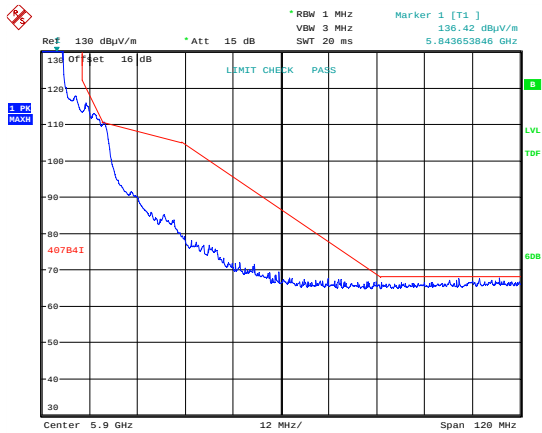
Date: 1.FEB.2018 13:04:00

Band Edge QPSK; 5842.5 MHz; 24.7 dBm.



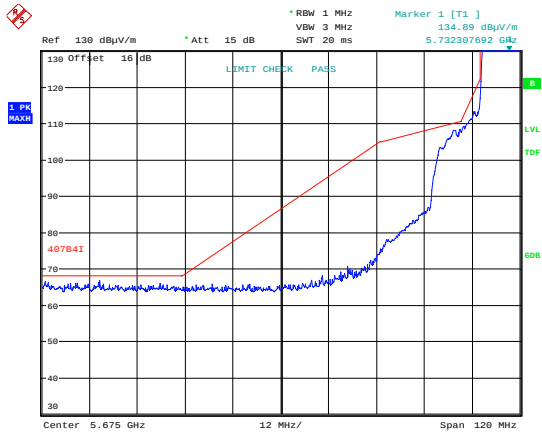
Date: 31.JAN.2018 10:17:27

Band Edge 16 QAM; 5734 MHz; 25 dBm.



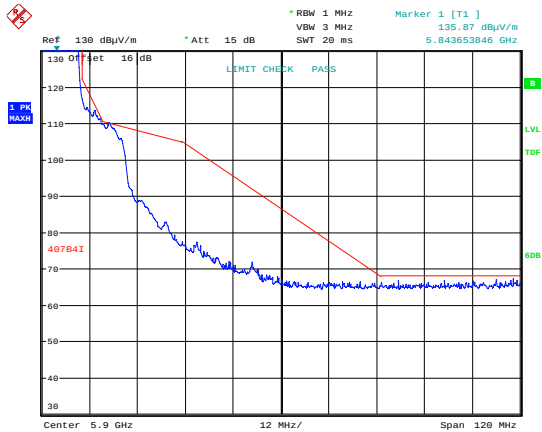
Date: 31.JAN.2018 10:28:53

Band Edge 16 QAM; 5838.25 MHz; 25 dBm.



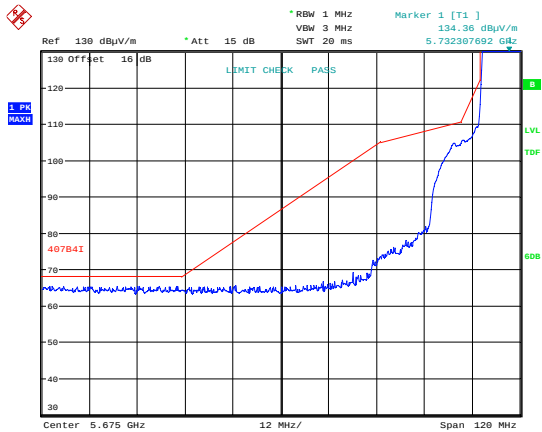
Date: 31.JAN.2018 10:18:51

Band Edge 64 QAM; 5732.5 MHz; 24 dBm.



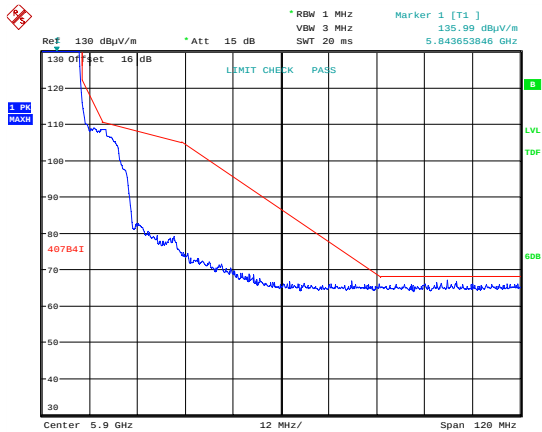
Date: 31.JAN.2018 10:26:22

Band Edge 64 QAM; 5842.25 MHz; 24 dBm.



Date: 31.JAN.2018 10:19:45

Band Edge 256 QAM; 5732.5 MHz; 23 dBm.

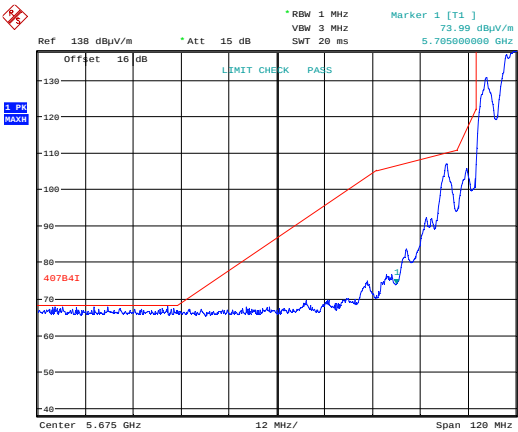


Date: 31.JAN.2018 10:24:59

Band Edge 256 QAM; 5842.5 MHz; 23 dBm.

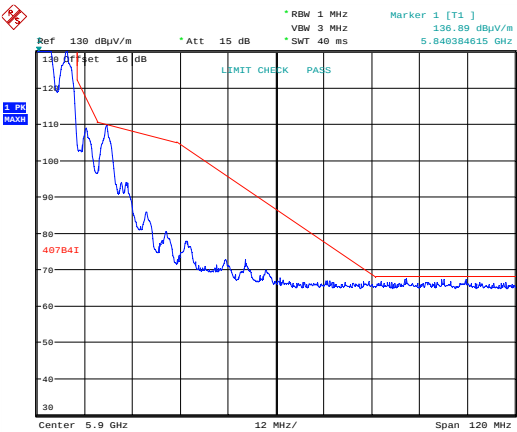
Frequencies and Power setting to comply		
Mod Mode	Frequency (MHz)	Power Setting (dBm)
AQU	5732.5	27
AQU	5840.75	27
BPSK	5732.5	24.5
BPSK	5842.5	24.75
QPSK	5732.5	24.75
QPSK	5842.5	24.7
16 QAM	5734	25
16 QAM	5838.25	25
64 QAM	5732.5	24
64 QAM	5842.25	24
256 QAM	5732.5	23
256 QAM	5842.5	23

20 MHz bandwidth Band Edge compliance (Parabolic antenna)



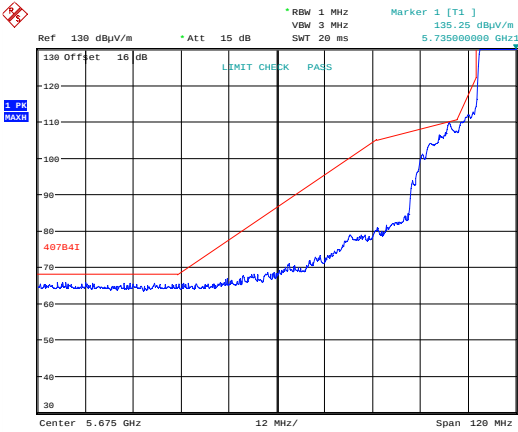
Date: 31.JAN.2018 10:41:54

Band Edge AQU; 5735 MHz; 27 dBm.



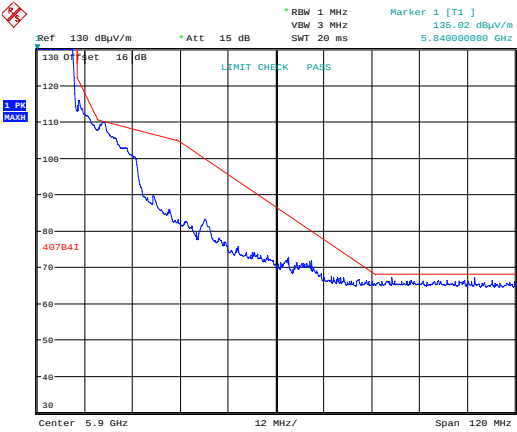
Date: 31.JAN.2018 11:15:06

Band Edge AQU; 5840 MHz; 27 dBm.



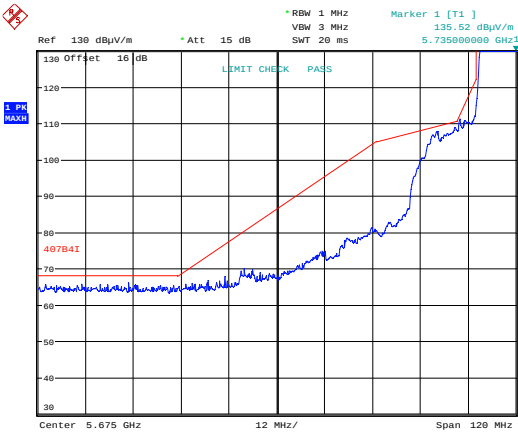
Date: 1.FEB.2018 13:20:42

Band Edge BPSK; 5735 MHz; 25.25 dBm.



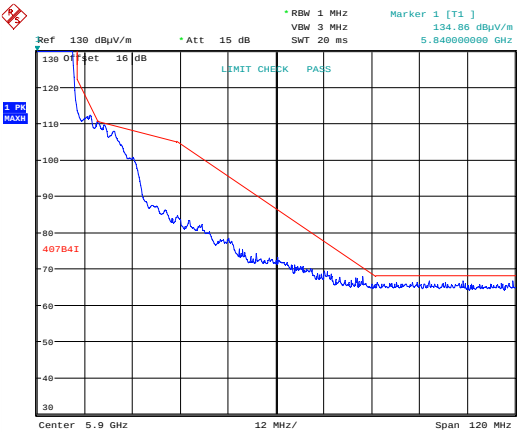
Date: 1.FEB.2018 13:23:48

Band Edge BPSK; 5840 MHz; 25.75 dBm.



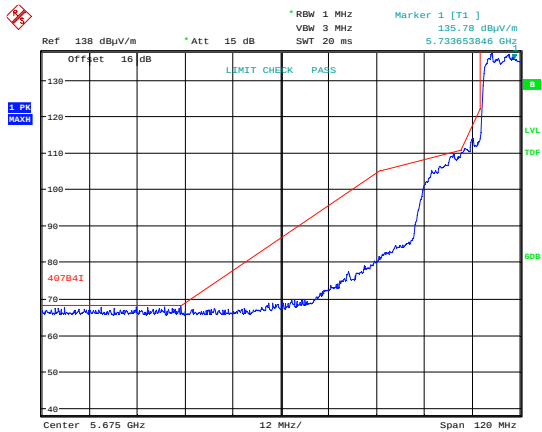
Date: 1.FEB.2018 13:21:24

Band Edge QPSK; 5735 MHz; 25.25 dBm.



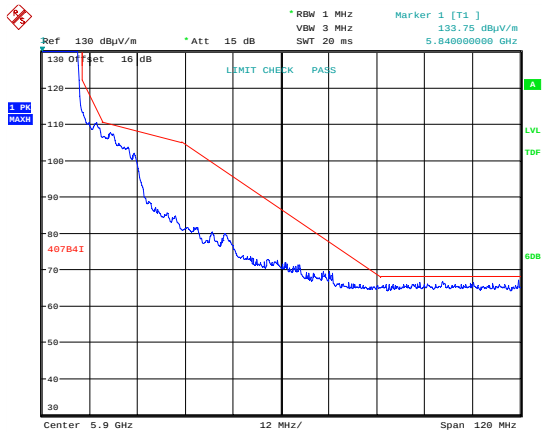
Date: 1.FEB.2018 13:35:15

Band Edge QPSK; 5840 MHz; 25.5 dBm.



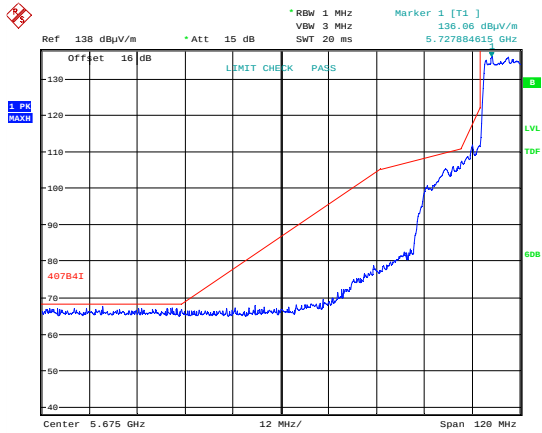
Date: 31.JAN.2018 10:54:45

Band Edge 16 QAM; 5735 MHz; 25 dBm.



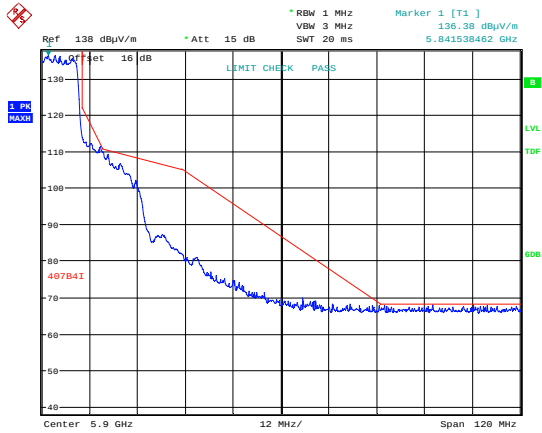
Date: 1.FEB.2018 13:36:27

Band Edge 16 QAM; 5840 MHz; 25 dBm.



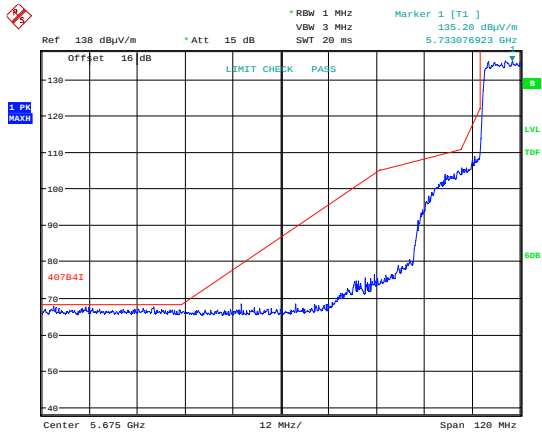
Date: 31.JAN.2018 10:55:41

Band Edge 64 QAM; 5735 MHz; 24 dBm.



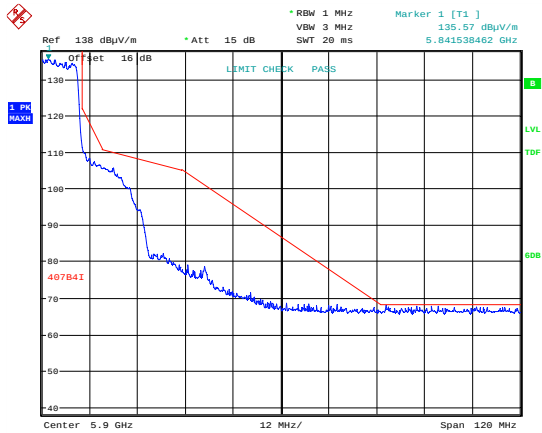
Date: 31.JAN.2018 11:00:10

Band Edge 64 QAM; 5840 MHz; 24 dBm.



Date: 31.JAN.2018 10:57:01

Band Edge 256 QAM; 5735 MHz; 23 dBm.

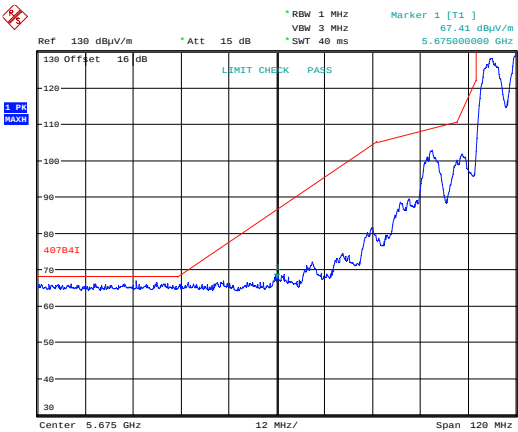


Date: 31.JAN.2018 10:59:21

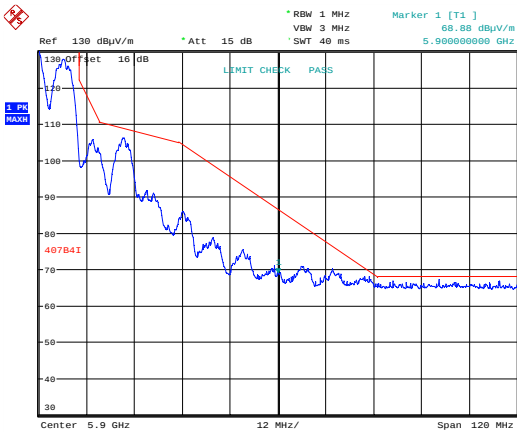
Band Edge 256 QAM; 5840 MHz; 23 dBm.

<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5735	27
AQU	5840	27
BPSK	5735	25.25
BPSK	5840	25.75
QPSK	5735	25.25
QPSK	5840	25.5
16 QAM	5735	25
16 QAM	5840	25
64 QAM	5735	24
64 QAM	5840	24
256 QAM	5735	23
256 QAM	5840	23

30 MHz bandwidth Band Edge compliance (Parabolic antenna)



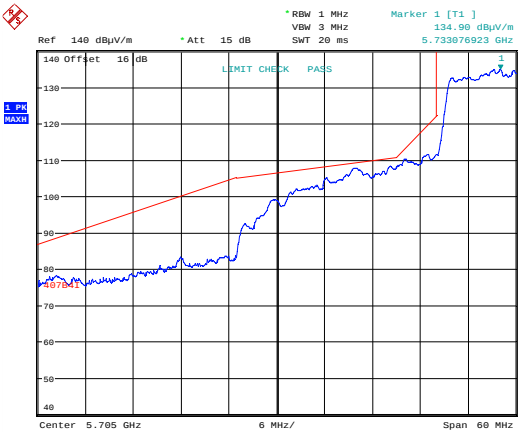
Date: 31. JAN. 2018 12:06:38



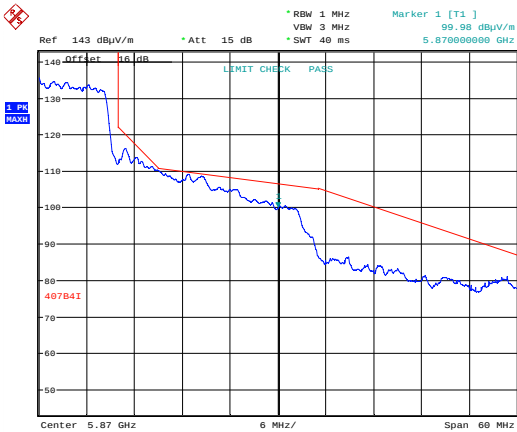
Date: 31. JAN. 2018 11:42:46

Band Edge AQU; 5740 MHz; 27 dBm.

Band Edge AQU; 5835 MHz; 27 dBm.



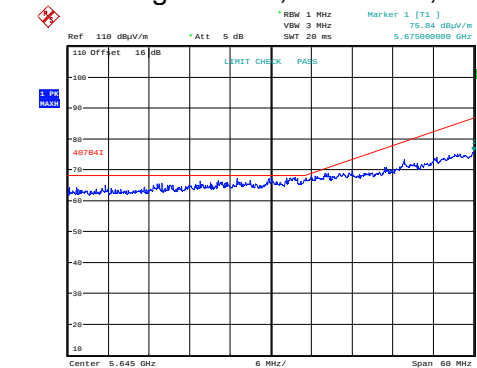
Date: 1. FEB. 2018 13:48:38



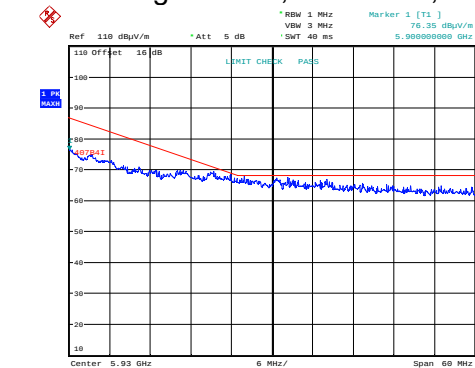
Date: 31. JAN. 2018 11:24:35

Band Edge BPSK; 5740 MHz; 26 dBm.

Band Edge BPSK; 5835 MHz; 25 dBm.



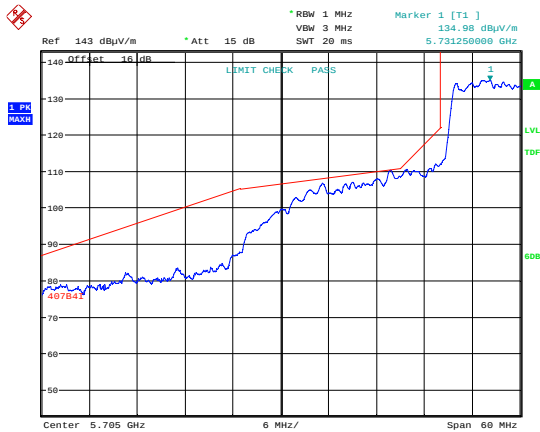
Date: 1. FEB. 2018 13:48:00



Date: 31. JAN. 2018 11:25:16

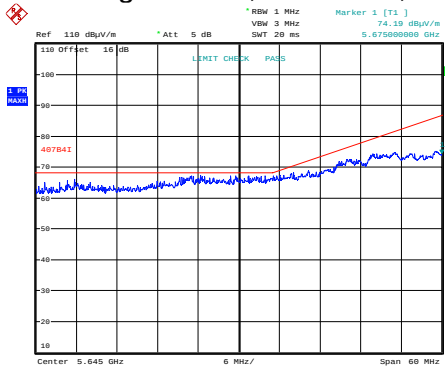
Band Edge BPSK; 5740 MHz; 26 dBm.

Band Edge BPSK; 5835 MHz; 25 dBm.



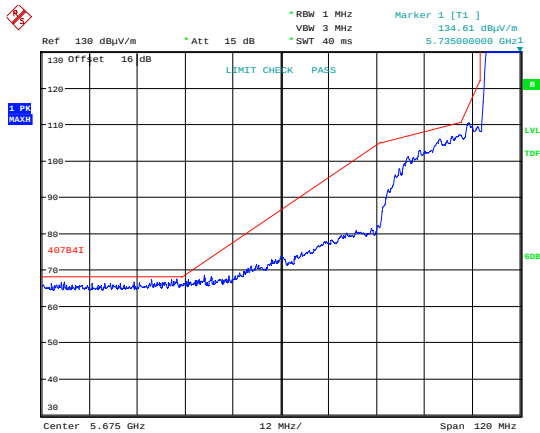
Date: 1.FEB.2018 13:51:21

Band Edge QPSK; 5740 MHz; 26 dBm.



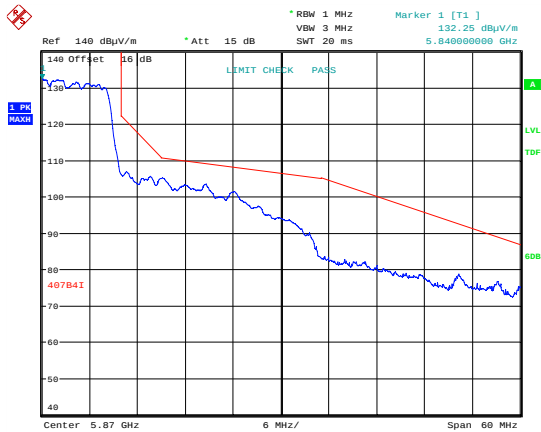
Date: 1.FEB.2018 13:50:15

Band Edge QPSK; 5740 MHz; 26 dBm.



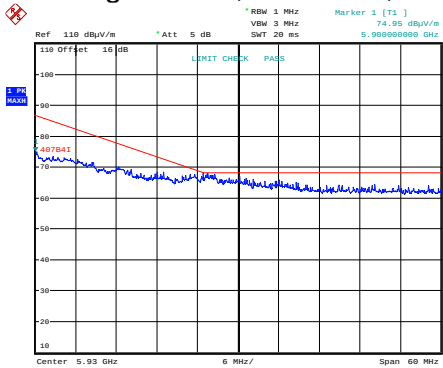
Date: 31.JAN.2018 11:48:02

Band Edge 16 QAM; 5740 MHz; 25 dBm.



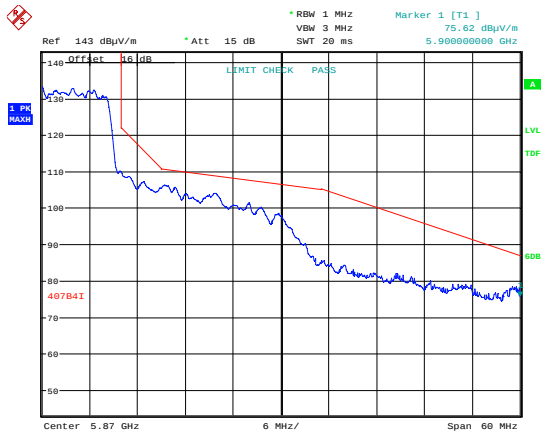
Date: 1.FEB.2018 14:10:37

Band Edge QPSK; 5835 MHz; 24.5 dBm.



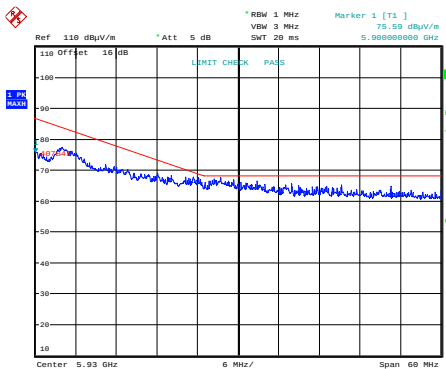
Date: 1.FEB.2018 14:10:02

Band Edge QPSK; 5835 MHz; 24.5 dBm.



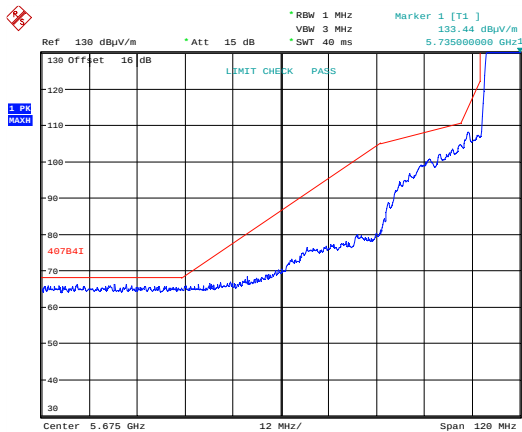
Date: 1.FEB.2018 14:00:57

Band Edge 16 QAM; 5835 MHz; 25 dBm.



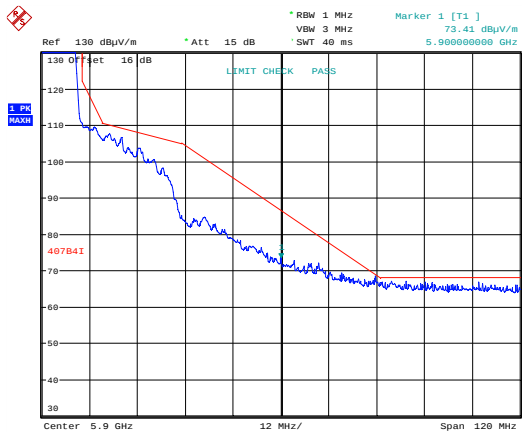
Date: 1.FEB.2018 14:00:24

Band Edge 16 QAM; 5835 MHz; 25 dBm.



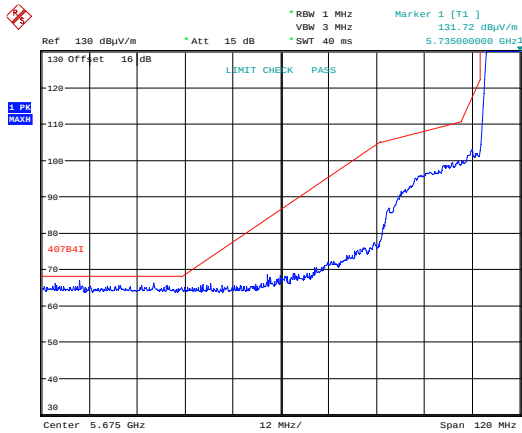
Date: 31.JAN.2018 11:47:01

Band Edge 64 QAM; 5740 MHz; 24 dBm.



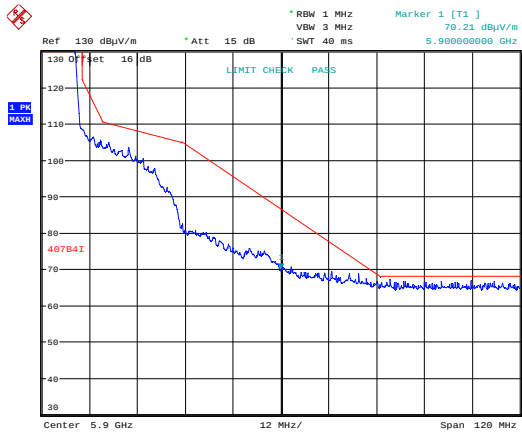
Date: 31.JAN.2018 11:44:29

Band Edge 64 QAM; 5835 MHz; 24 dBm.



Date: 31.JAN.2018 11:46:09

Band Edge 256 QAM; 5740 MHz; 23 dBm.

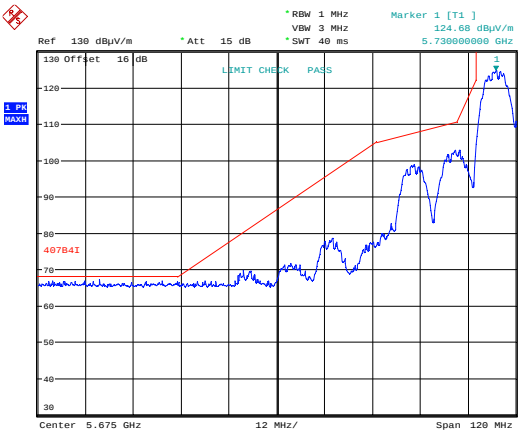


Date: 31.JAN.2018 11:45:12

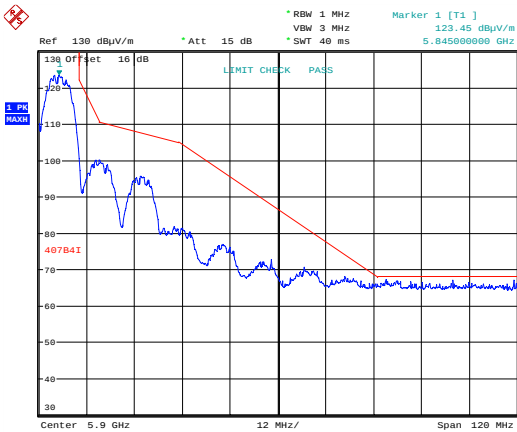
Band Edge 256 QAM; 5835 MHz; 23 dBm.

<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5740	27
AQU	5835	27
BPSK	5740	26
BPSK	5835	25
QPSK	5740	26
QPSK	5835	24.5
16 QAM	5740	25
16 QAM	5835	25
64 QAM	5740	24
64 QAM	5835	24
256 QAM	5740	23
256 QAM	5835	23

40 MHz bandwidth Band Edge compliance (Parabolic antenna)



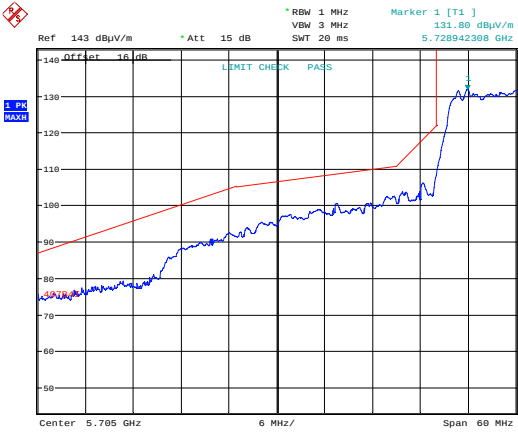
Date: 31.JAN.2018 12:09:40



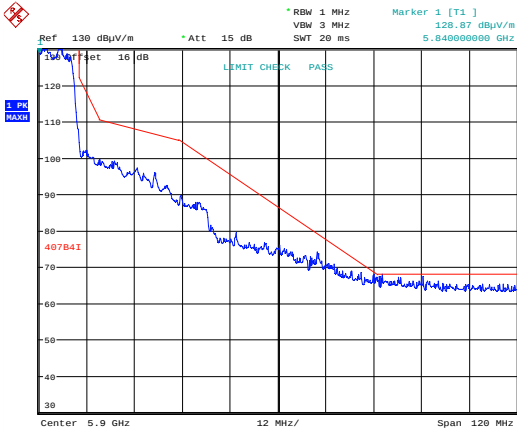
Date: 31.JAN.2018 12:40:04

Band Edge AQU; 5745 MHz; 27 dBm.

Band Edge AQU; 5830 MHz; 27 dBm.



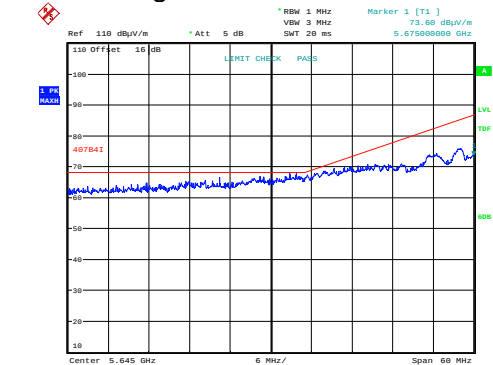
Date: 1.FEB.2018 14:21:14



Date: 1.FEB.2018 14:58:42

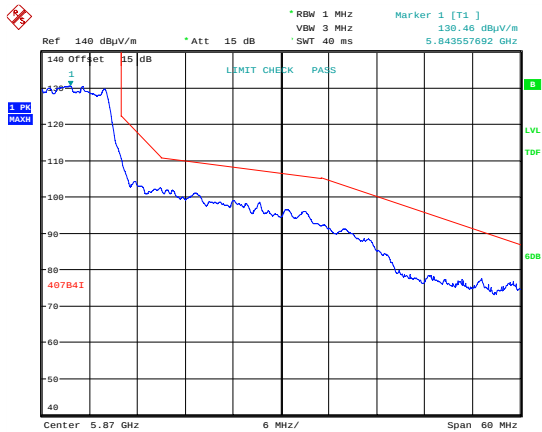
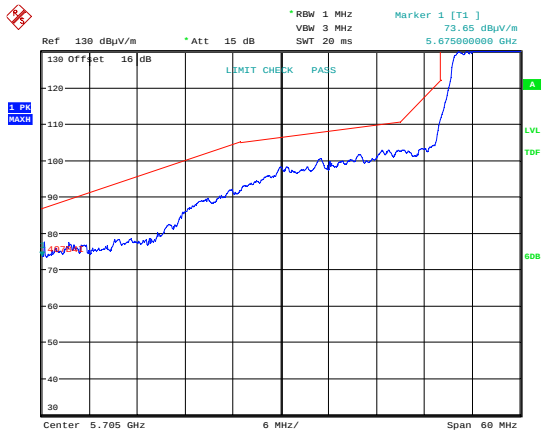
Band Edge BPSK; 5745 MHz; 27 dBm.

Band Edge BPSK; 5830 MHz; 24 dBm.



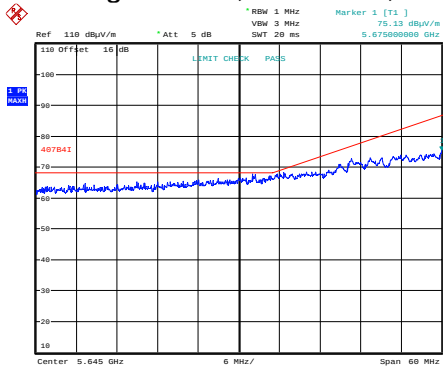
Date: 1.FEB.2018 14:20:40

Band Edge BPSK; 5745 MHz; 27 dBm.



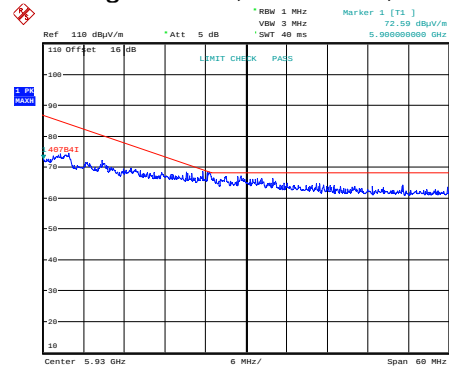
Date: 1.FEB.2018 14:28:29

Band Edge QPSK; 5745 MHz; 24.5 dBm.



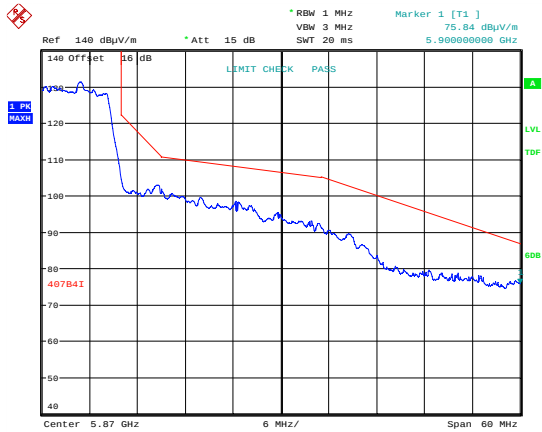
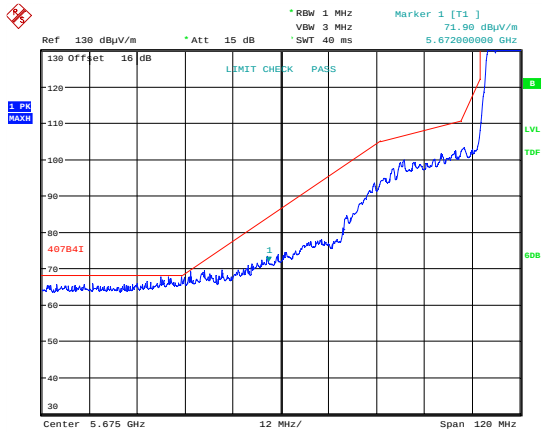
Date: 31.JAN.2018 12:50:16

Band Edge QPSK; 5830 MHz; 23.25 dBm.



Date: 1.FEB.2018 14:28:04

Band Edge QPSK; 5745 MHz; 24.5 dBm.



Date: 31.JAN.2018 12:48:07

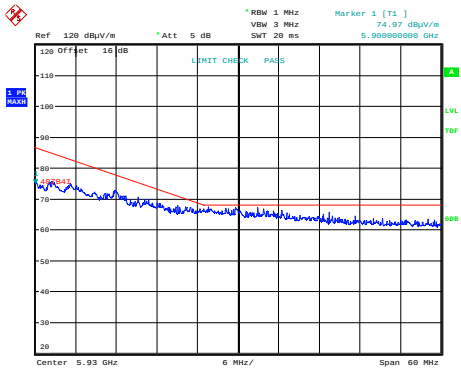
Band Edge QPSK; 5830 MHz; 23.25 dBm.

Date: 31.JAN.2018 12:37:39

Band Edge 16 QAM; 5745 MHz; 24 dBm.

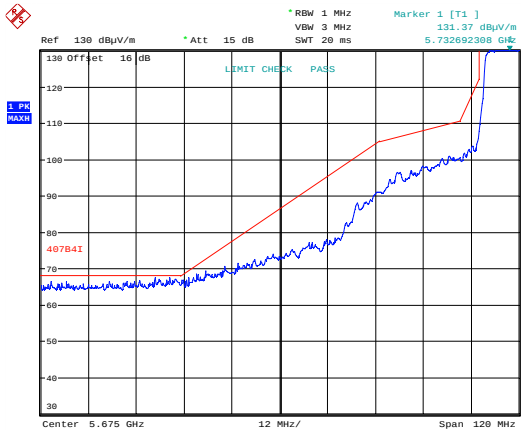
Date: 1.FEB.2018 14:43:58

Band Edge 16 QAM; 5830 MHz; 24.25 dBm.



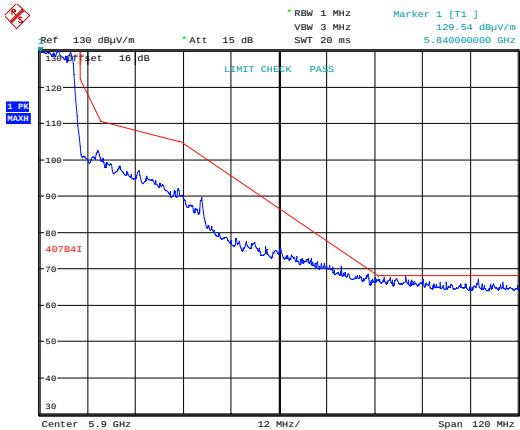
Date: 1.FEB.2018 14:42:59

Band Edge 16 QAM; 5830 MHz; 24.25 dBm.



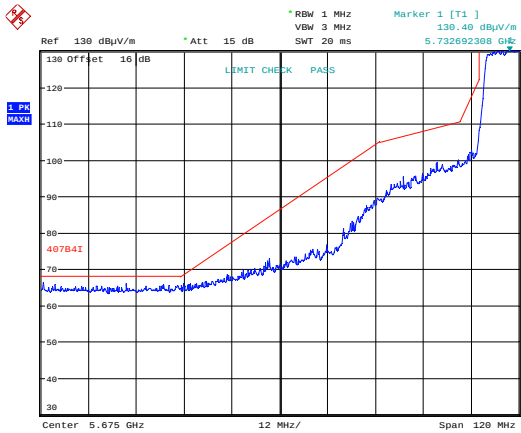
Date: 1.FEB.2018 14:37:51

Band Edge 64 QAM; 5745 MHz; 24 dBm.



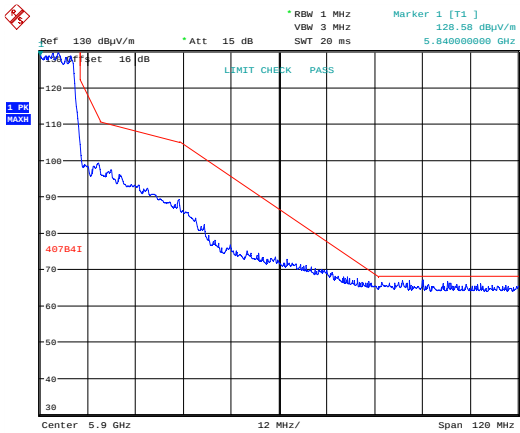
Date: 1.FEB.2018 14:39:53

Band Edge 64 QAM; 5830 MHz; 24 dBm.



Date: 1.FEB.2018 14:38:27

Band Edge 256 QAM; 5745 MHz; 23 dBm.

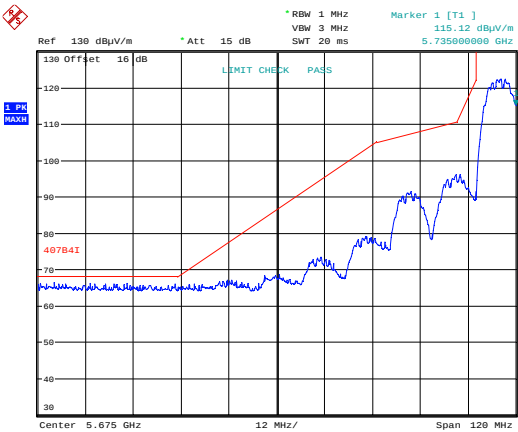


Date: 1.FEB.2018 14:39:16

Band Edge 256 QAM; 5830 MHz; 23 dBm.

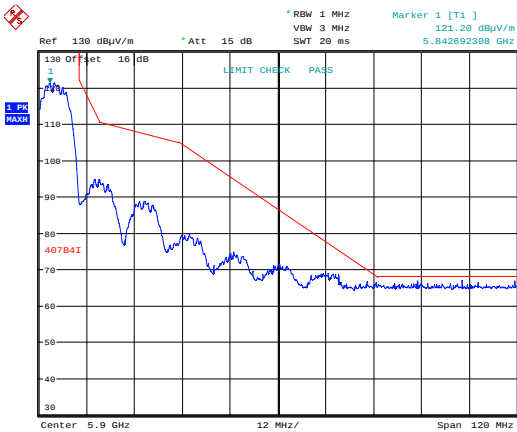
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5745	27
AQU	5830	27
BPSK	5745	27
BPSK	5830	24
QPSK	5745	24.5
QPSK	5830	23.25
16 QAM	5745	24
16 QAM	5830	24.25
64 QAM	5745	24
64 QAM	5830	24
256 QAM	5745	23
256 QAM	5830	23

45 MHz bandwidth Band Edge compliance (Parabolic antenna)



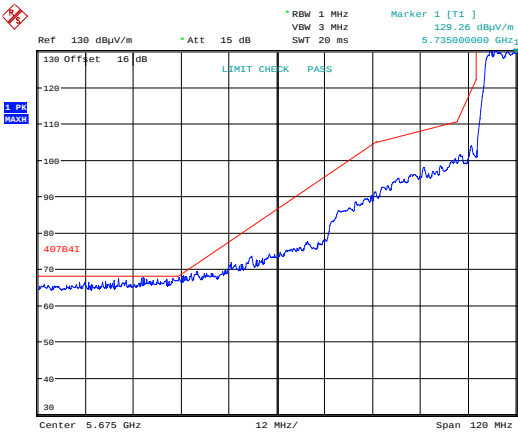
Date: 2.FEB.2018 13:54:59

Band Edge AQU; 5747.5 MHz; 27 dBm.



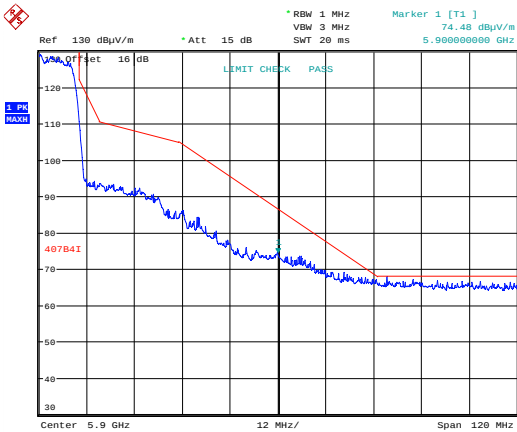
Date: 2.FEB.2018 13:56:09

Band Edge AQU; 5827.5 MHz; 27 dBm.



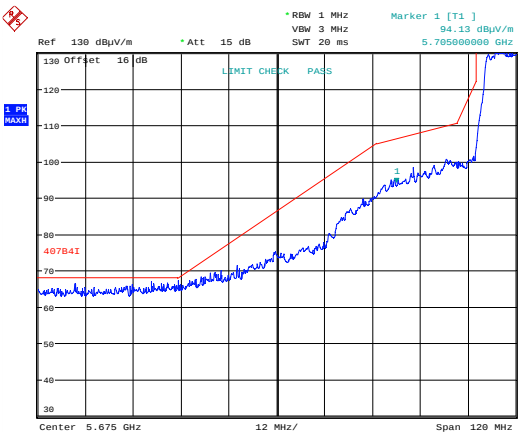
Date: 2.FEB.2018 13:51:13

Band Edge BPSK; 5747.5 MHz; 23.75 dBm.



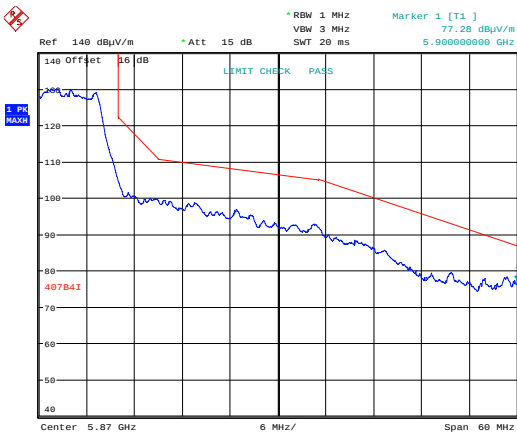
Date: 2.FEB.2018 13:49:21

Band Edge BPSK; 5827.5 MHz; 23 dBm.



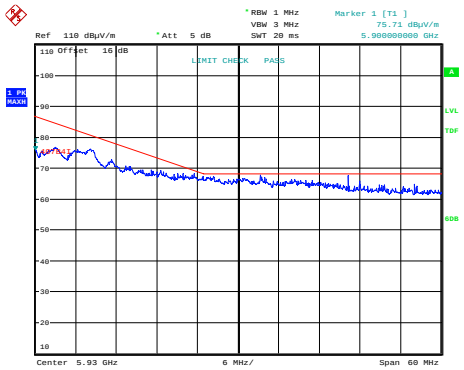
Date: 2.FEB.2018 13:28:26

Band Edge QPSK; 5747.5 MHz; 23.75 dBm.



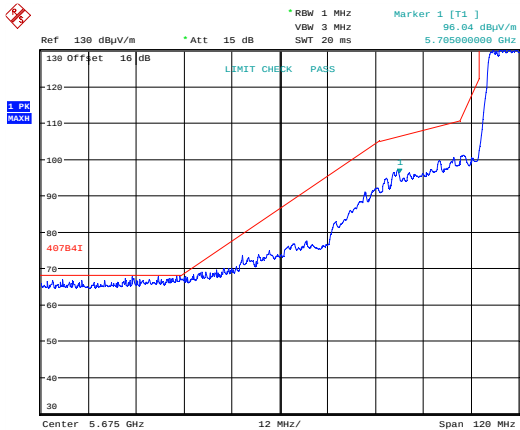
Date: 2.FEB.2018 13:38:47

Band Edge QPSK; 5827.5 MHz; 23.5 dBm.



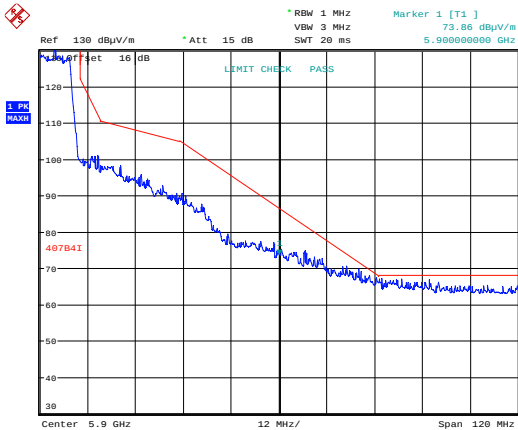
Date: 2.FEB.2018 13:38:11

Band Edge QPSK; 5827.5 MHz; 23.5 dBm.



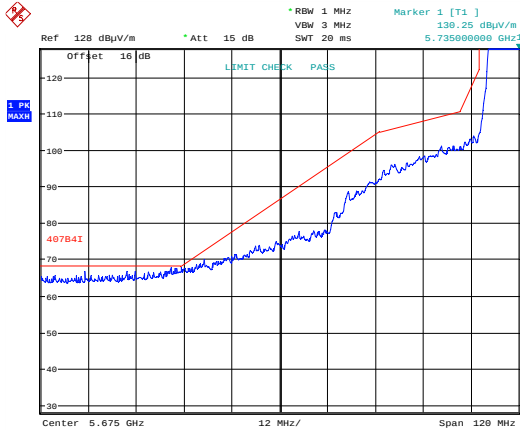
Date: 2.FEB.2018 13:26:44

Band Edge 16 QAM; 5747.5 MHz; 23.75 dBm.



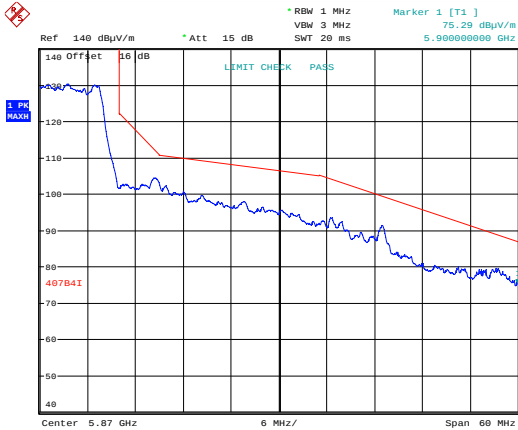
Date: 2.FEB.2018 13:11:34

Band Edge 16 QAM; 5827.5 MHz; 23.5 dBm.



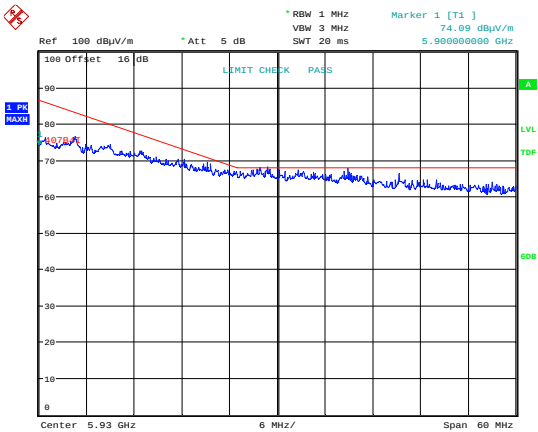
Date: 2.FEB.2018 12:44:58

Band Edge 64 QAM; 5747.5 MHz; 24 dBm.



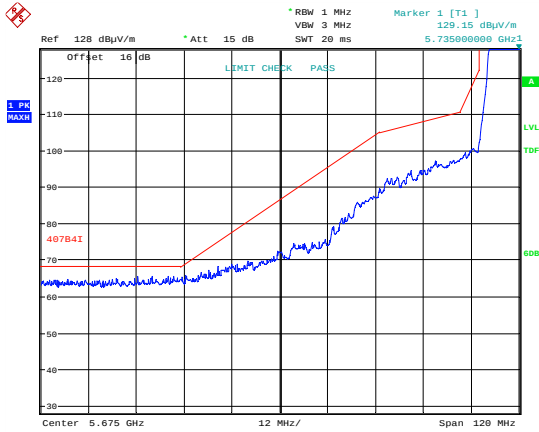
Date: 2.FEB.2018 13:04:58

Band Edge 64 QAM; 5827.5 MHz; 24 dBm.



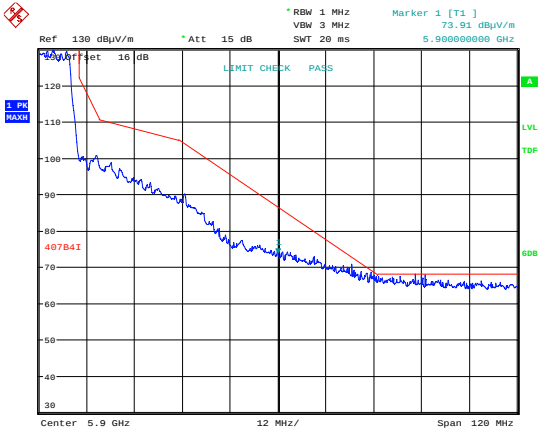
Date: 2.FEB.2018 13:02:52

Band Edge 64 QAM; 5827.5 MHz; 24 dBm.



Date: 2.FEB.2018 12:44:19

Band Edge 256 QAM; 5747.5 MHz; 23 dBm.

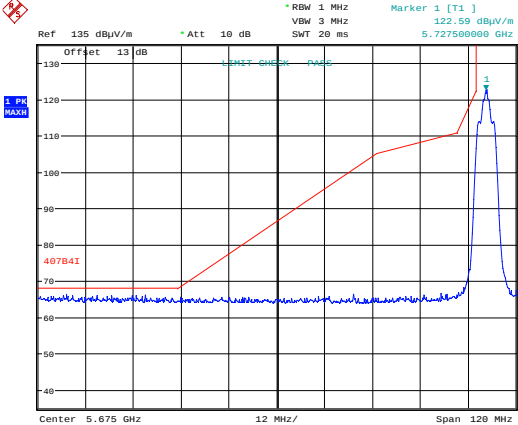


Date: 2.FEB.2018 13:05:53

Band Edge 256 QAM; 5827.5 MHz; 23 dBm.

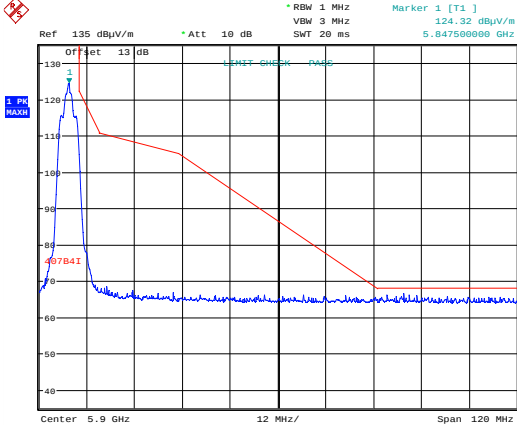
Frequencies and Power setting to comply		
Mod Mode	Frequency (MHz)	Power Setting (dBm)
AQU	5747.5	27
AQU	5827.5	27
BPSK	5747.5	23.75
BPSK	5827.5	23
QPSK	5747.5	23.75
QPSK	5827.5	23.5
16 QAM	5747.5	23.75
16 QAM	5827.5	23.5
64 QAM	5747.5	24
64 QAM	5827.5	24
256 QAM	5747.5	23
256 QAM	5827.5	23

5 MHz bandwidth Band Edge compliance (Sector antenna)



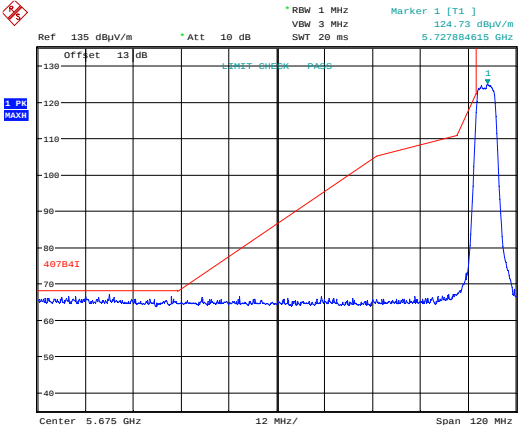
Date: 29.JAN.2018 16:45:53

Band Edge AQU; 5727.5 MHz; 19.5 dBm.



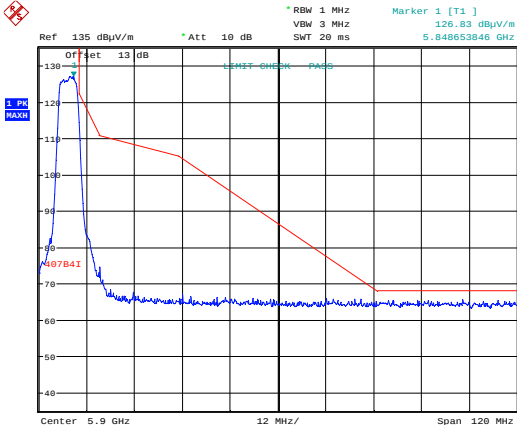
Date: 29.JAN.2018 16:49:44

Band Edge AQU; 5847.5 MHz; 19.5 dBm.



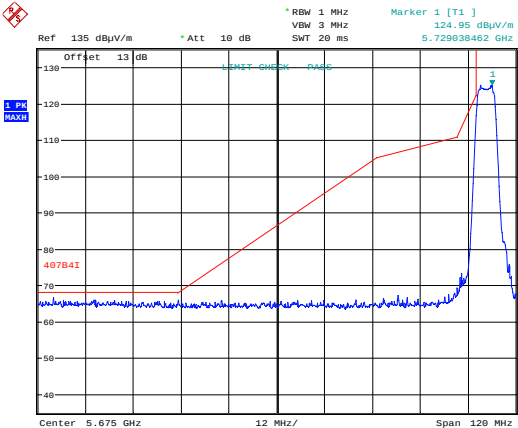
Date: 29.JAN.2018 13:47:02

Band Edge BPSK; 5727.5 MHz; 19.5 dBm.



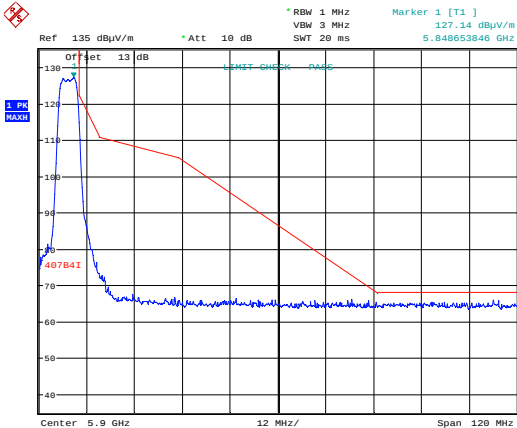
Date: 29.JAN.2018 14:06:29

Band Edge BPSK; 5847.5 MHz; 19.5 dBm.



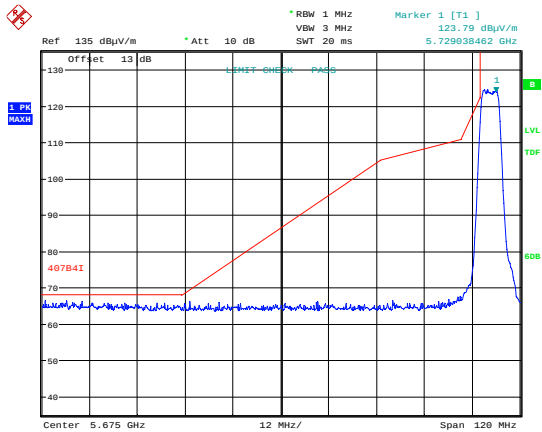
Date: 29.JAN.2018 13:47:34

Band Edge QPSK; 5727.5 MHz; 19.5 dBm.



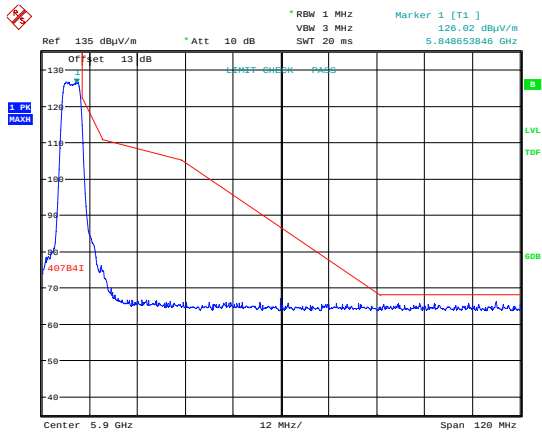
Date: 29.JAN.2018 14:07:53

Band Edge QPSK; 5847.5 MHz; 19.5 dBm.



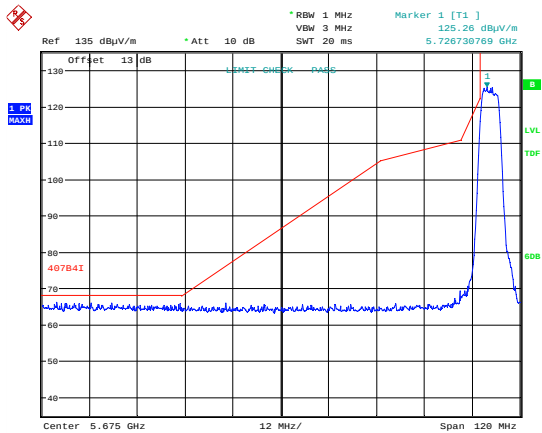
Date: 29. JAN. 2018 13:49:37

Band Edge 16 QAM; 5727.5 MHz; 19.5 dBm.



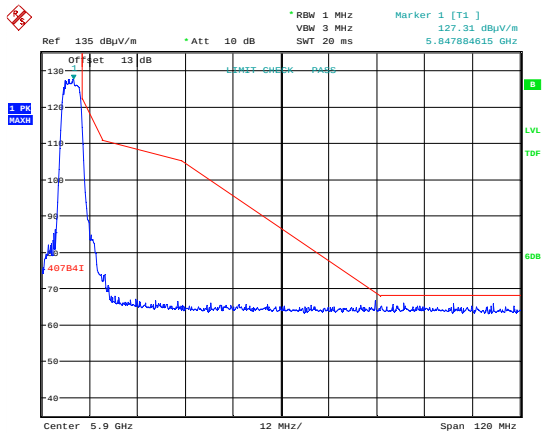
Date: 29. JAN. 2018 14:10:25

Band Edge 16 QAM; 5847.5 MHz; 19.5 dBm.



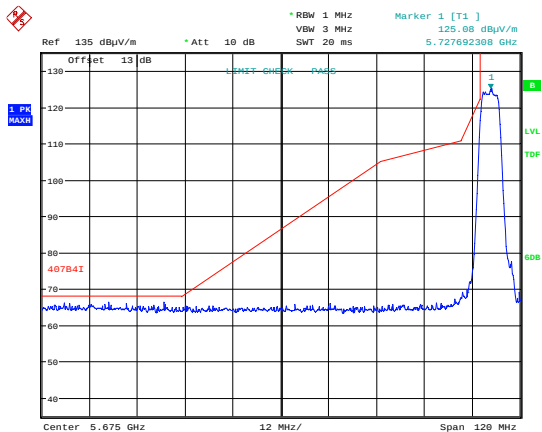
Date: 29. JAN. 2018 13:50:04

Band Edge 64 QAM; 5727.5 MHz; 19.5 dBm.



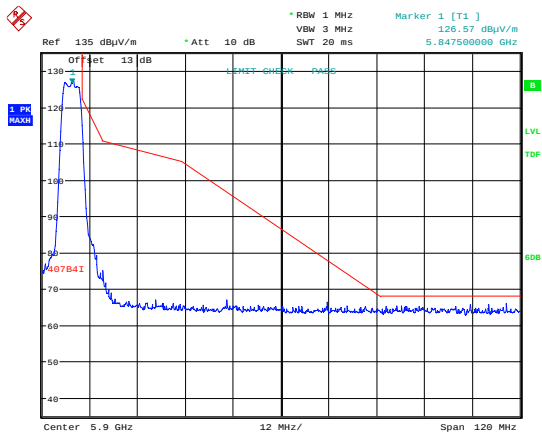
Date: 29. JAN. 2018 14:11:02

Band Edge 64 QAM; 5847.5 MHz; 19.5 dBm.



Date: 29. JAN. 2018 13:50:36

Band Edge 256 QAM; 5727.5 MHz; 19.5 dBm.

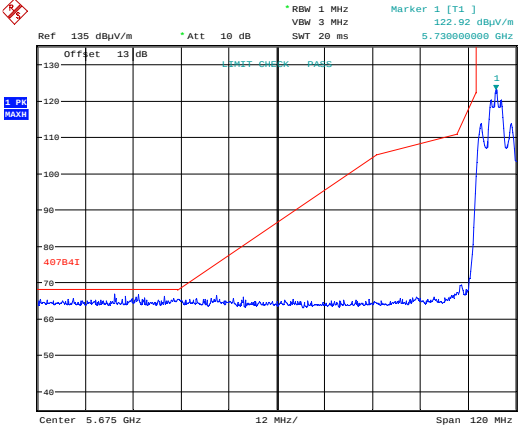


Date: 29. JAN. 2018 14:11:35

Band Edge 256 QAM; 5847.5 MHz; 19.5 dBm.

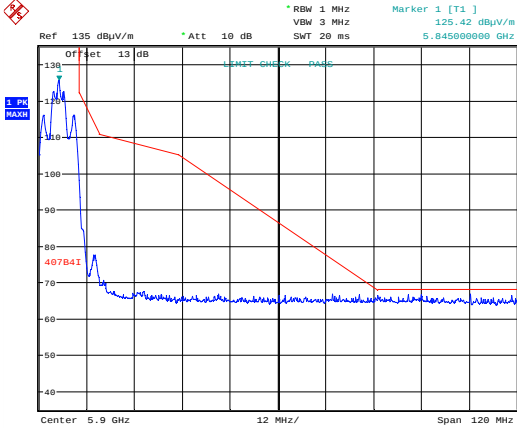
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5727.5	19.5
AQU	5847.5	19.5
BPSK	5727.5	19.5
BPSK	5847.5	19.5
QPSK	5727.5	19.5
QPSK	5847.5	19.5
16 QAM	5727.5	19.5
16 QAM	5847.5	19.5
64 QAM	5727.5	19.5
64 QAM	5847.5	19.5
256 QAM	5727.5	19.5
256 QAM	5847.5	19.5

10 MHz bandwidth Band Edge compliance (Sector antenna)



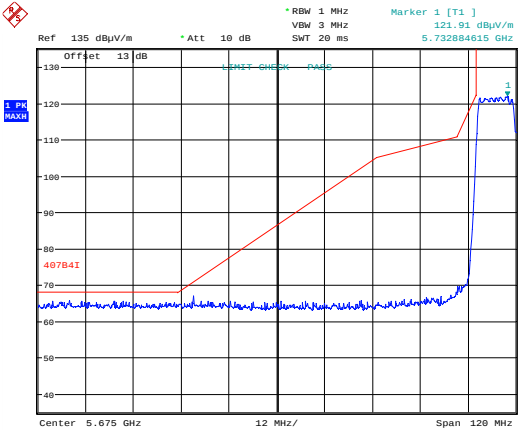
Date: 30.JAN.2018 09:47:54

Band Edge AQU; 5730 MHz; 19.5 dBm.



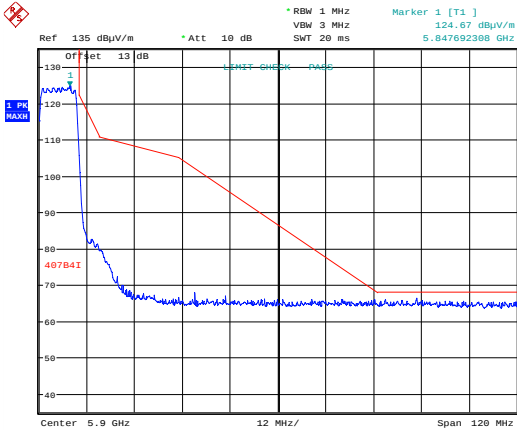
Date: 30.JAN.2018 08:40:53

Band Edge AQU; 5845 MHz; 19.5 dBm.



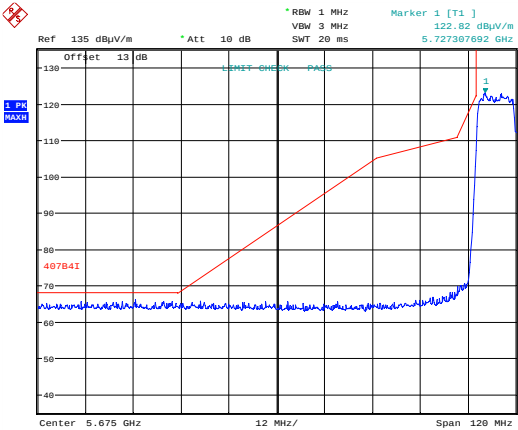
Date: 30.JAN.2018 09:48:21

Band Edge BPSK; 5730 MHz; 19.5 dBm.



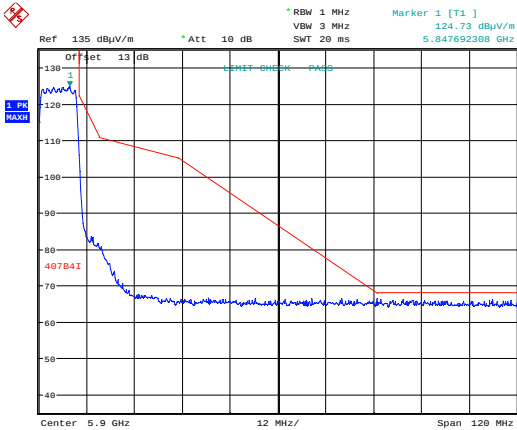
Date: 30.JAN.2018 08:43:29

Band Edge BPSK; 5845 MHz; 19.5 dBm.



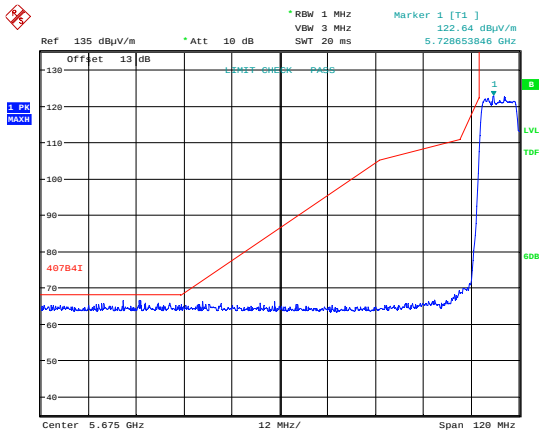
Date: 30.JAN.2018 09:48:44

Band Edge QPSK; 5730 MHz; 19.5 dBm.



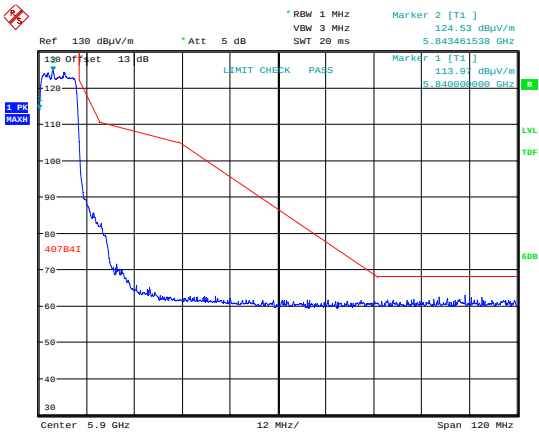
Date: 30.JAN.2018 08:42:07

Band Edge QPSK; 5845 MHz; 19.5 dBm.



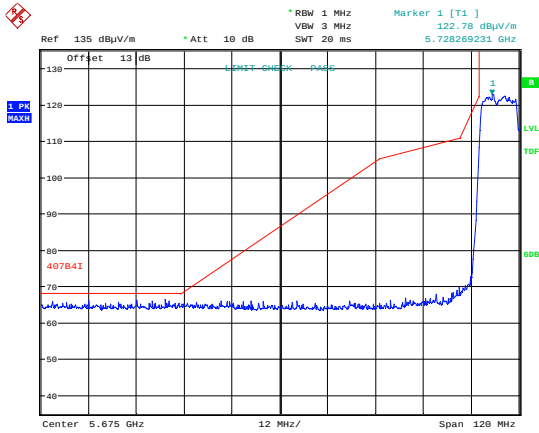
Date: 30.JAN.2018 09:49:12

Band Edge 16 QAM; 5730 MHz; 19.5 dBm.



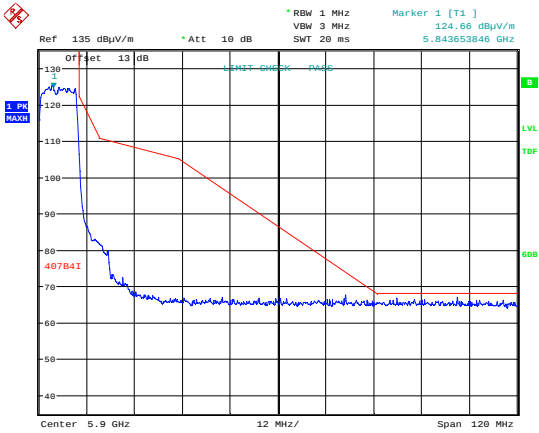
Date: 31.JAN.2018 07:12:52

Band Edge 16 QAM; 5845 MHz; 19.5 dBm.



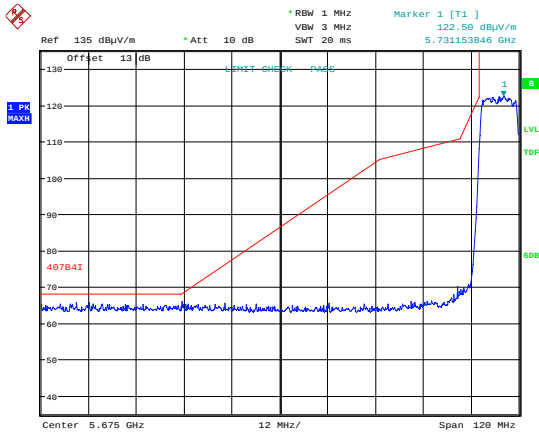
Date: 30.JAN.2018 09:49:42

Band Edge 64 QAM; 5730 MHz; 19.5 dBm.



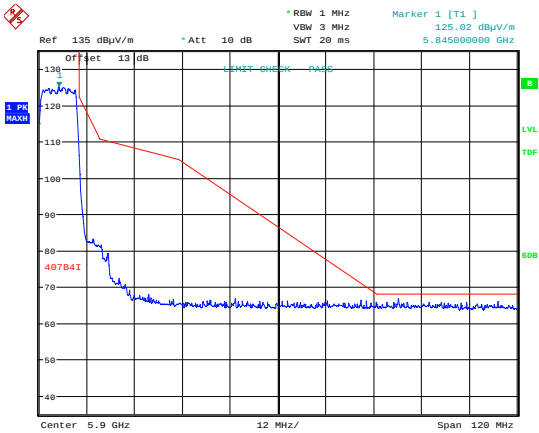
Date: 30.JAN.2018 08:46:17

Band Edge 64 QAM; 5845 MHz; 19.5 dBm.



Date: 30.JAN.2018 09:50:31

Band Edge 256 QAM; 5730 MHz; 19.5 dBm.

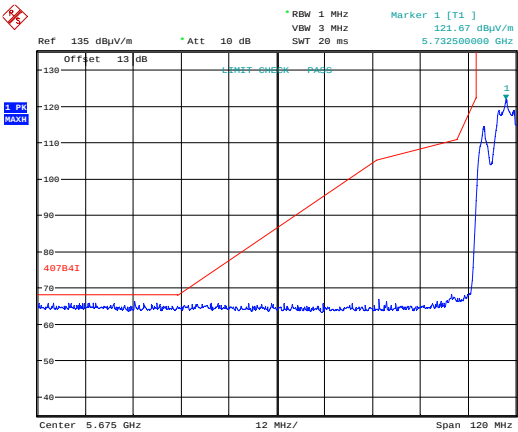


Date: 30.JAN.2018 08:46:57

Band Edge 256 QAM; 5845 MHz; 19.5 dBm.

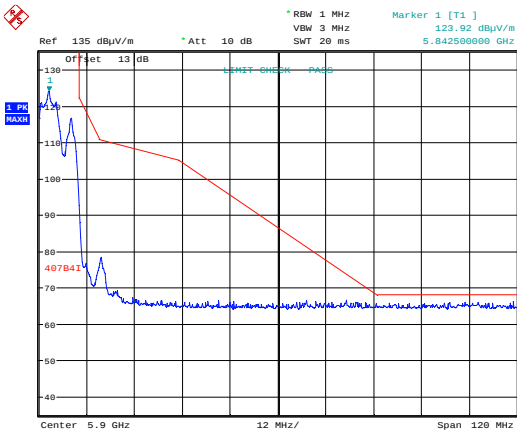
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5730	19.5
AQU	5845	19.5
BPSK	5730	19.5
BPSK	5845	19.5
QPSK	5730	19.5
QPSK	5845	19.5
16 QAM	5730	19.5
16 QAM	5845	19.5
64 QAM	5730	19.5
64 QAM	5845	19.5
256 QAM	5730	19.5
256 QAM	5845	19.5

15 MHz bandwidth Band Edge compliance (Sector antenna)



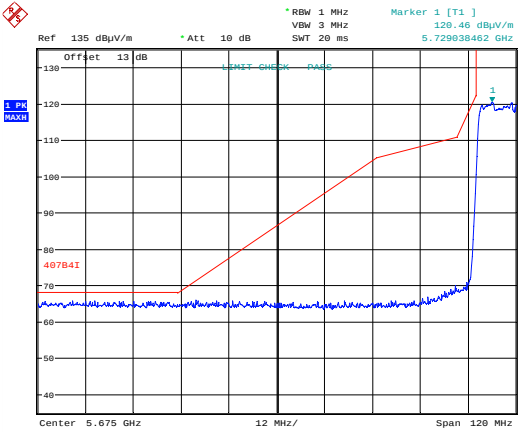
Date: 30. JAN.2018 09:46:52

Band Edge AQU; 5732.5 MHz; 19.5 dBm.



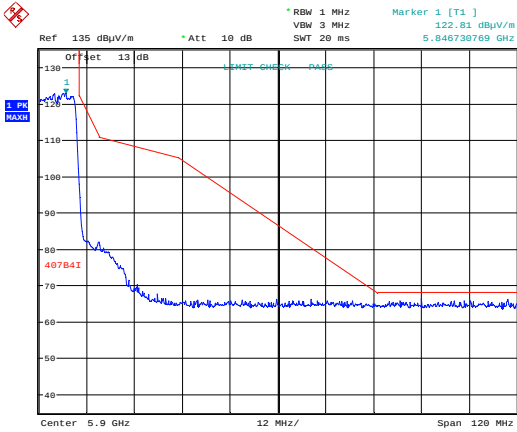
Date: 30. JAN.2018 08:50:06

Band Edge AQU; 5842.5 MHz; 19.5 dBm.



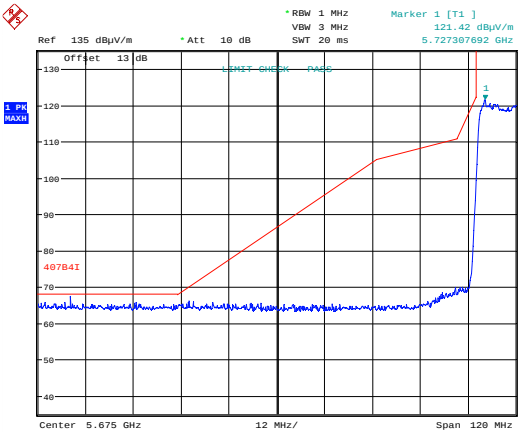
Date: 30. JAN.2018 09:46:15

Band Edge BPSK; 5732.5 MHz; 19.5 dBm.



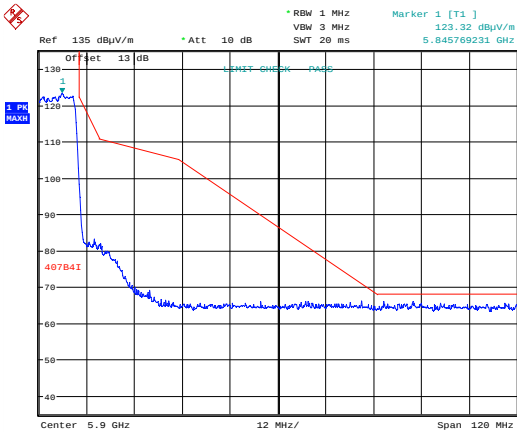
Date: 30. JAN.2018 08:50:59

Band Edge BPSK; 5842.5 MHz; 19.5 dBm.



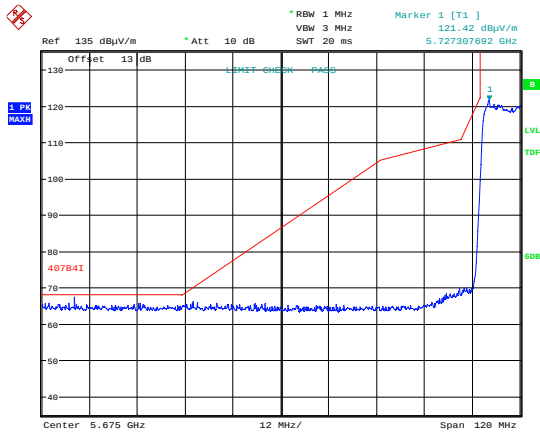
Date: 30. JAN.2018 09:44:51

Band Edge QPSK; 5732.5 MHz; 19.5 dBm.



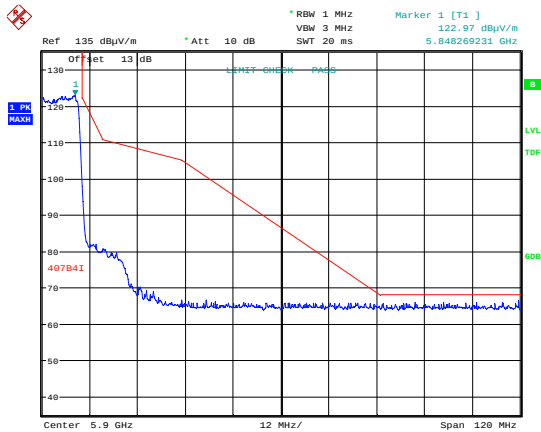
Date: 30. JAN.2018 08:51:29

Band Edge QPSK; 5842.5 MHz; 19.5 dBm.



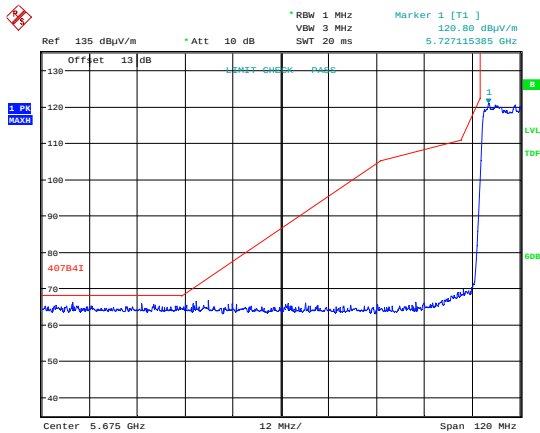
Date: 30.JAN.2018 09:44:51

Band Edge 16 QAM; 5732.5 MHz; 19.5 dBm.



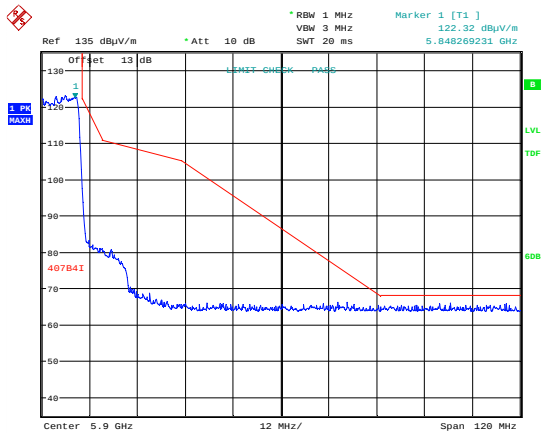
Date: 30.JAN.2018 08:52:10

Band Edge 16 QAM; 5842.5 MHz; 19.5 dBm.



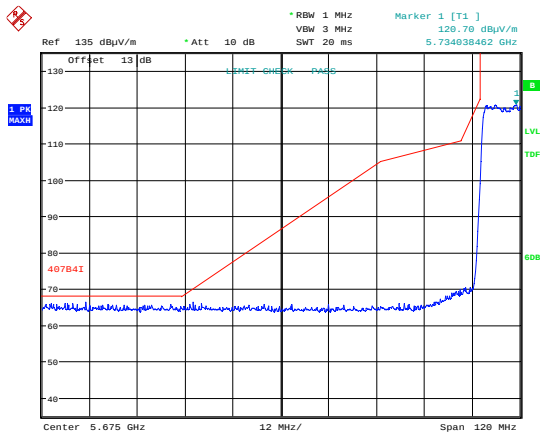
Date: 30.JAN.2018 09:44:22

Band Edge 64 QAM; 5732.5 MHz; 19.5 dBm.



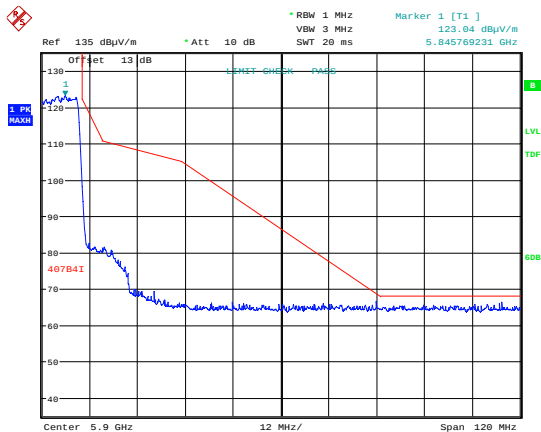
Date: 30.JAN.2018 08:52:35

Band Edge 64 QAM; 5842.5 MHz; 19.5 dBm.



Date: 30.JAN.2018 09:43:56

Band Edge 256 QAM; 5732.5 MHz; 19.5 dBm.

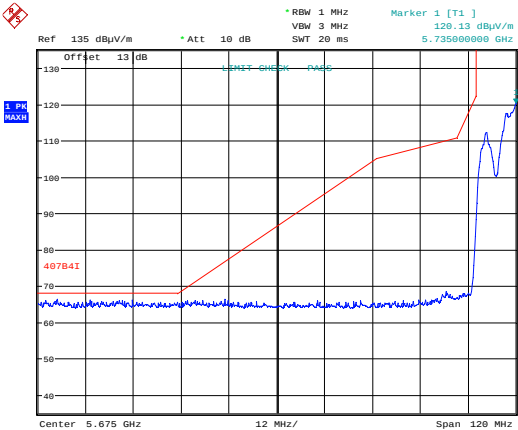


Date: 30.JAN.2018 08:53:11

Band Edge 256 QAM; 5842.5 MHz; 19.5 dBm.

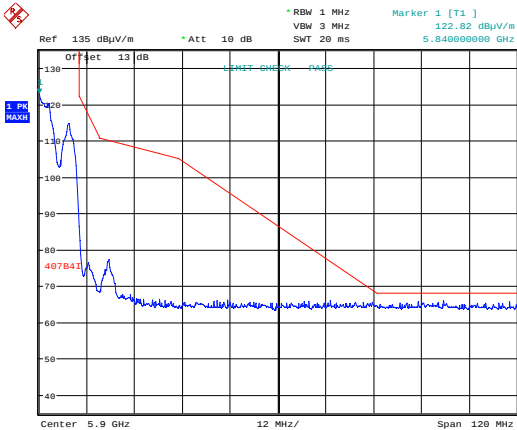
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5732.5	19.5
AQU	5842.5	19.5
BPSK	5732.5	19.5
BPSK	5842.5	19.5
QPSK	5732.5	19.5
QPSK	5842.5	19.5
16 QAM	5732.5	19.5
16 QAM	5842.5	19.5
64 QAM	5732.5	19.5
64 QAM	5842.5	19.5
256 QAM	5732.5	19.5
256 QAM	5842.5	19.5

20 MHz bandwidth Band Edge compliance (Sector antenna)



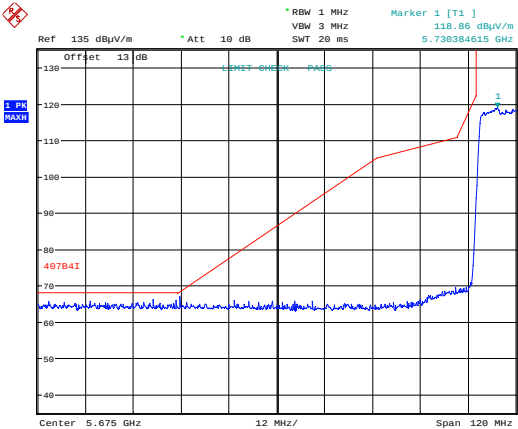
Date: 30. JAN. 2018 09:40:22

Band Edge AQU; 5735 MHz; 19.5 dBm.



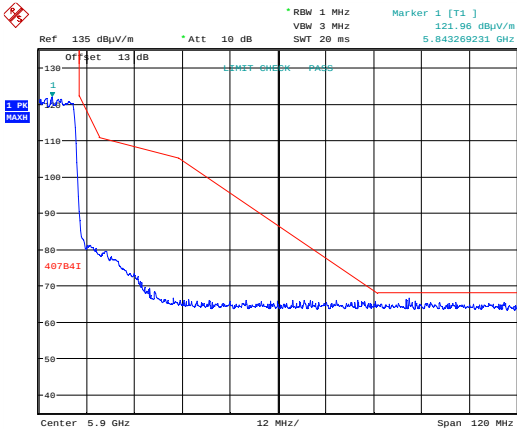
Date: 30. JAN. 2018 08:58:07

Band Edge AQU; 5840 MHz; 19.5 dBm.



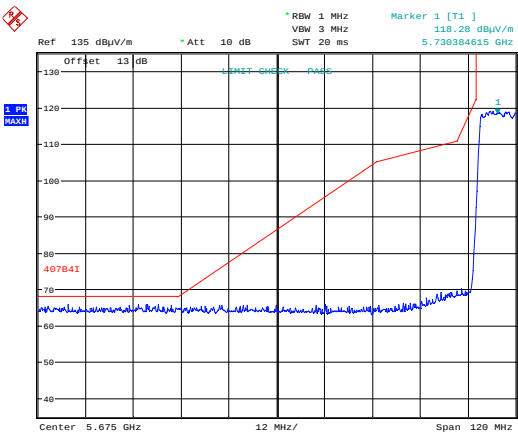
Date: 30. JAN. 2018 09:40:51

Band Edge BPSK; 5735 MHz; 19.5 dBm.



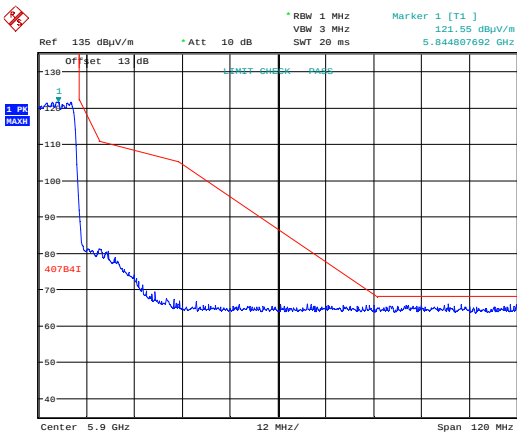
Date: 30. JAN. 2018 08:57:35

Band Edge BPSK; 5840 MHz; 19.5 dBm.



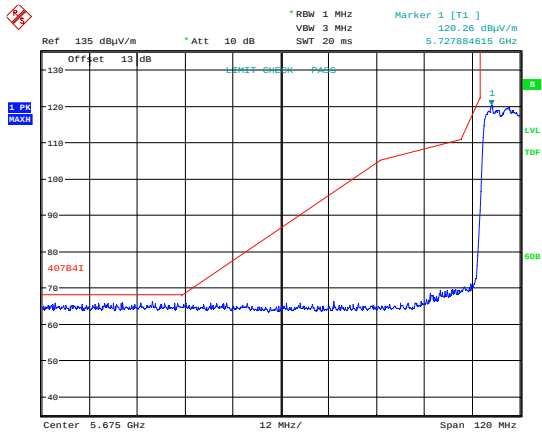
Date: 30. JAN. 2018 09:41:14

Band Edge QPSK; 5735 MHz; 19.5 dBm.



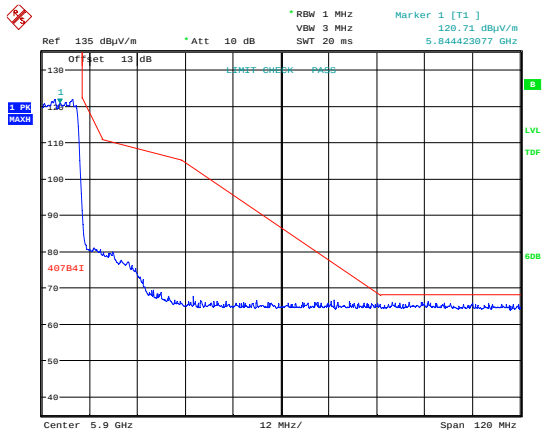
Date: 30. JAN. 2018 08:57:06

Band Edge QPSK; 5840 MHz; 19.5 dBm.



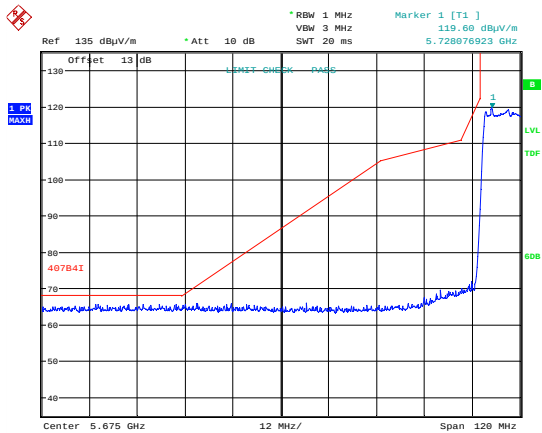
Date: 30.JAN.2018 09:41:46

Band Edge 16 QAM; 5735 MHz; 19.5 dBm.



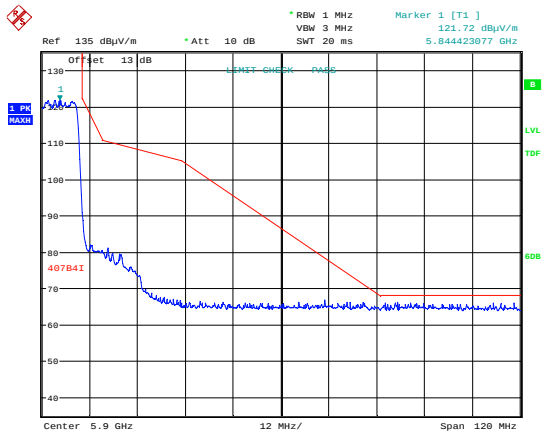
Date: 30.JAN.2018 08:56:29

Band Edge 16 QAM; 5840 MHz; 19.5 dBm.



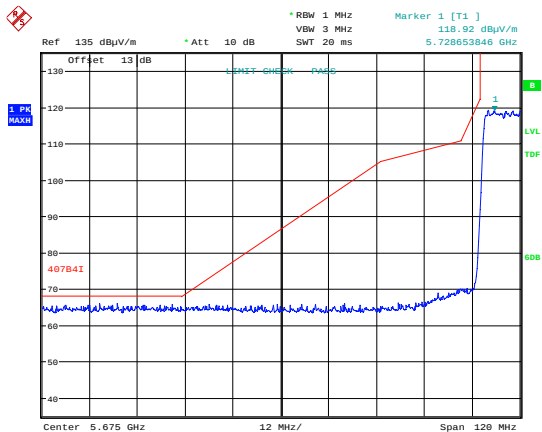
Date: 30.JAN.2018 09:42:10

Band Edge 64 QAM; 5735 MHz; 19.5 dBm.



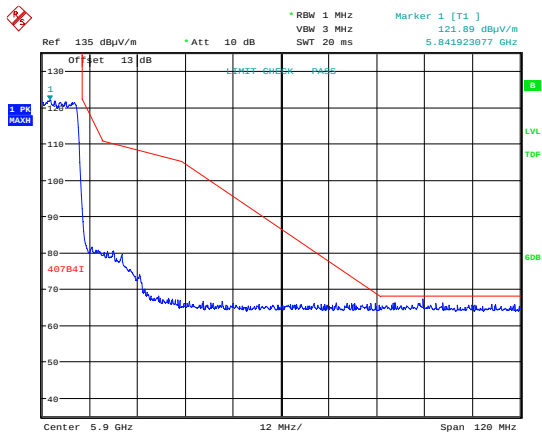
Date: 30.JAN.2018 08:55:27

Band Edge 64 QAM; 5840 MHz; 19.5 dBm.



Date: 30.JAN.2018 09:42:38

Band Edge 256 QAM; 5735 MHz; 19.5 dBm.

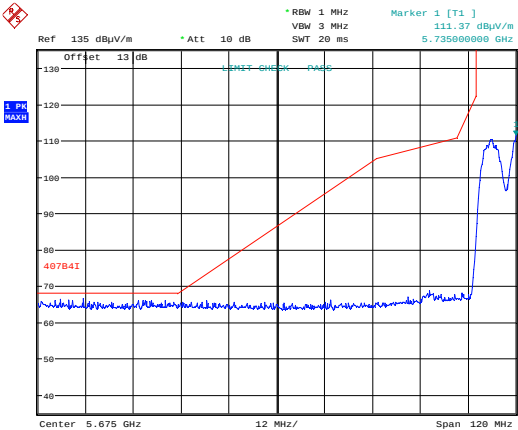


Date: 30.JAN.2018 08:54:34

Band Edge 256 QAM; 5840 MHz; 19.5 dBm.

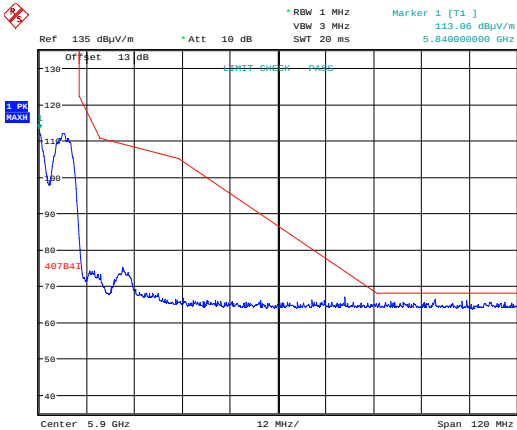
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5735	19.5
AQU	5840	19.5
BPSK	5735	19.5
BPSK	5840	19.5
QPSK	5735	19.5
QPSK	5840	19.5
16 QAM	5735	19.5
16 QAM	5840	19.5
64 QAM	5735	19.5
64 QAM	5840	19.5
256 QAM	5735	19.5
256 QAM	5840	19.5

30 MHz bandwidth Band Edge compliance (Sector antenna)



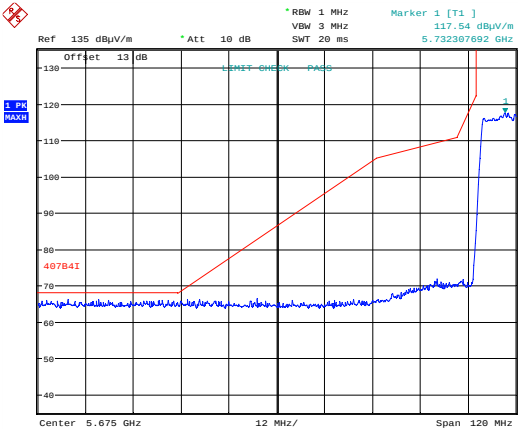
Date: 30.JAN.2018 09:36:56

Band Edge AQU; 5740 MHz; 19.5 dBm.



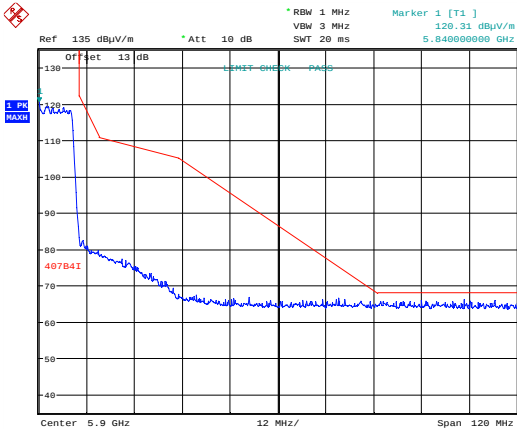
Date: 30.JAN.2018 08:59:36

Band Edge AQU; 5835 MHz; 19.5 dBm.



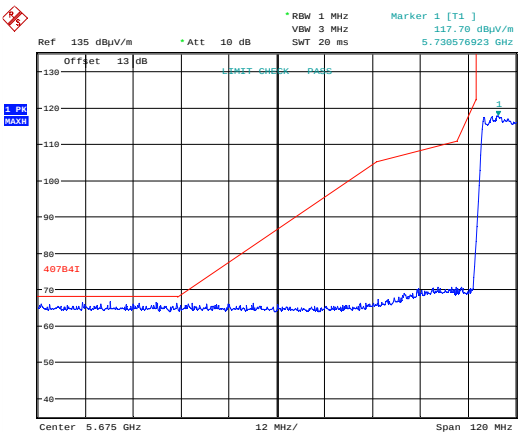
Date: 30.JAN.2018 09:36:22

Band Edge BPSK; 5740 MHz; 19.5 dBm.



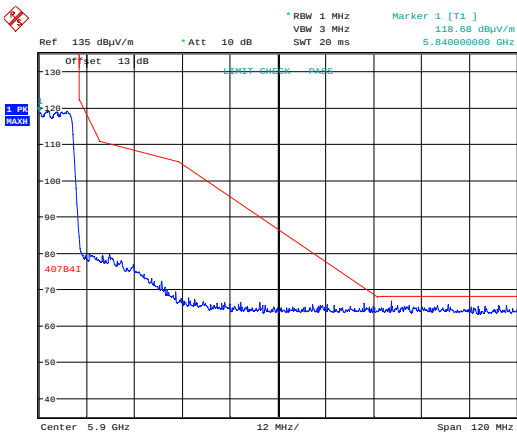
Date: 30.JAN.2018 09:00:16

Band Edge BPSK; 5835 MHz; 19.5 dBm.



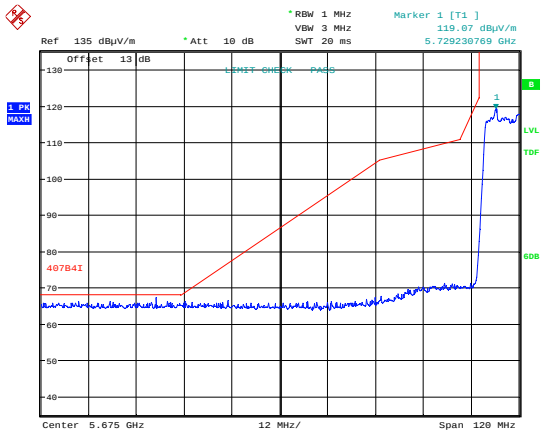
Date: 30.JAN.2018 09:35:43

Band Edge QPSK; 5740 MHz; 19.5 dBm.



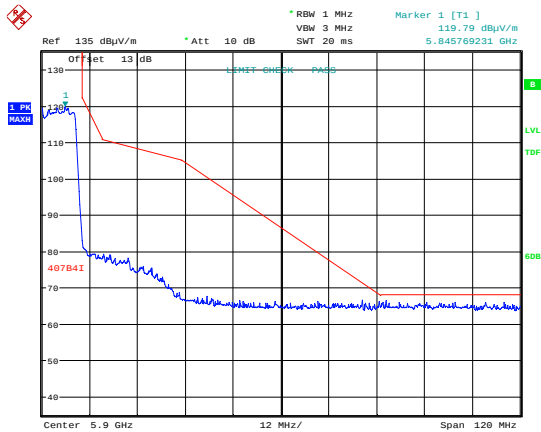
Date: 30.JAN.2018 09:00:36

Band Edge QPSK; 5835 MHz; 19.5 dBm.



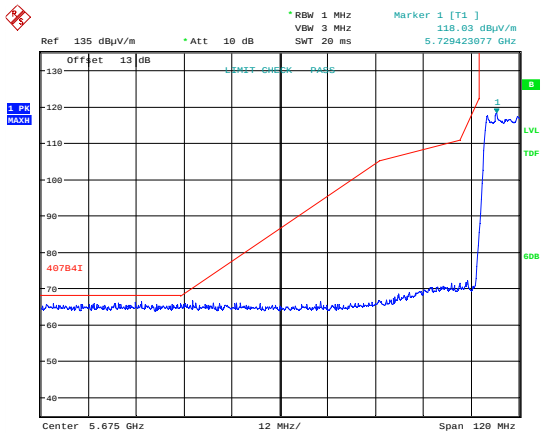
Date: 30.JAN.2018 09:35:01

Band Edge 16 QAM; 5740 MHz; 19.5 dBm.



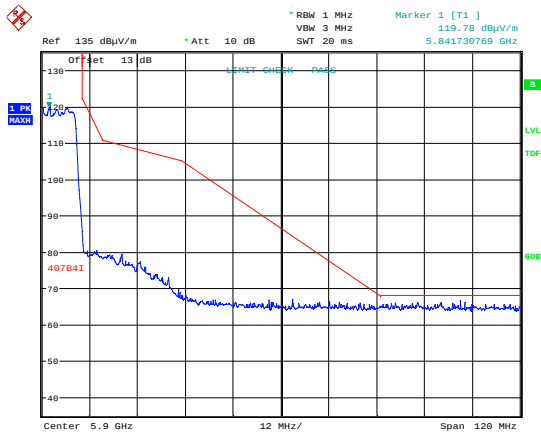
Date: 30.JAN.2018 09:01:19

Band Edge 16 QAM; 5835 MHz; 19.5 dBm.



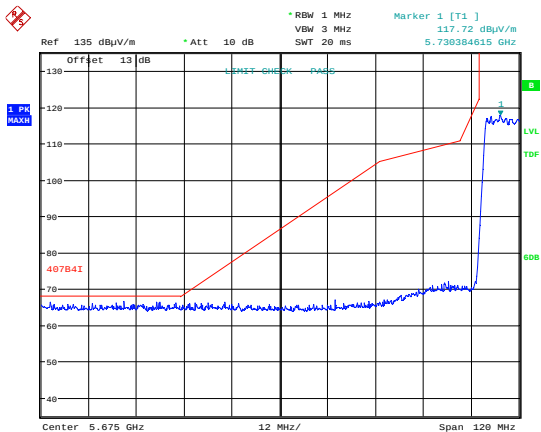
Date: 30.JAN.2018 09:33:59

Band Edge 64 QAM; 5740 MHz; 19.5 dBm.



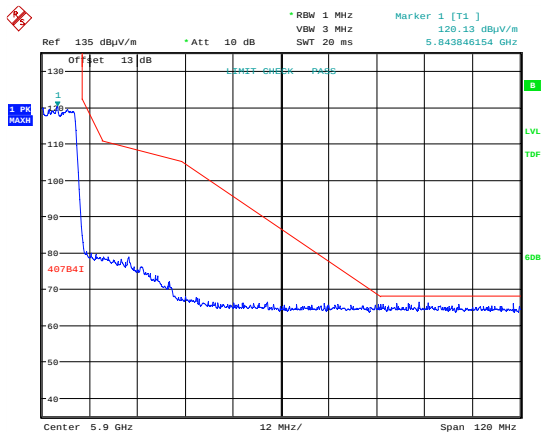
Date: 30.JAN.2018 09:02:06

Band Edge 64 QAM; 5835 MHz; 19.5 dBm.



Date: 30.JAN.2018 09:33:24

Band Edge 256 QAM; 5740 MHz; 19.5 dBm.

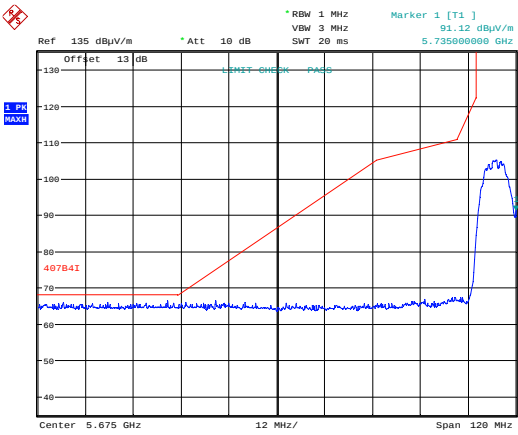


Date: 30.JAN.2018 09:02:43

Band Edge 256 QAM; 5835 MHz; 19.5 dBm.

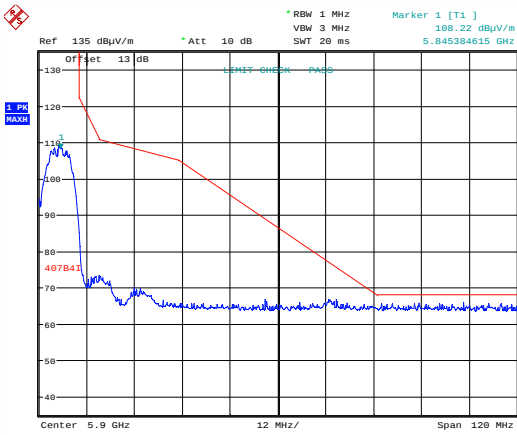
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5740	19.5
AQU	5835	19.5
BPSK	5740	19.5
BPSK	5835	19.5
QPSK	5740	19.5
QPSK	5835	19.5
16 QAM	5740	19.5
16 QAM	5835	19.5
64 QAM	5740	19.5
64 QAM	5835	19.5
256 QAM	5740	19.5
256 QAM	5835	19.5

40 MHz bandwidth Band Edge compliance (Sector antenna)



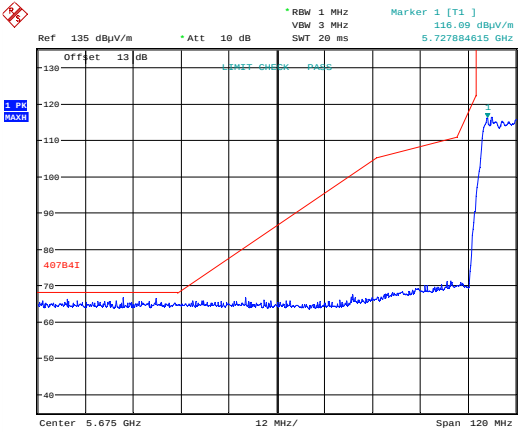
Date: 30. JAN.2018 09:24:32

Band Edge AQU; 5745 MHz; 19.5 dBm.



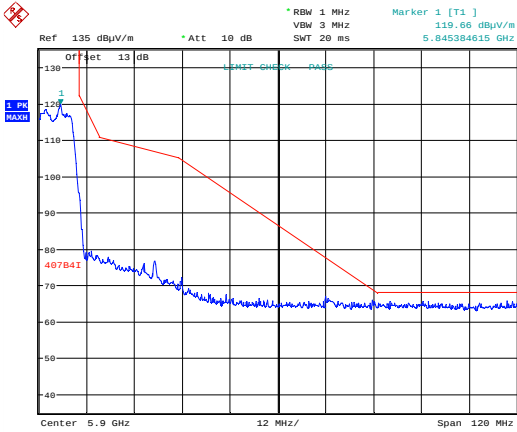
Date: 30. JAN.2018 09:06:38

Band Edge AQU; 5830 MHz; 19.5 dBm.



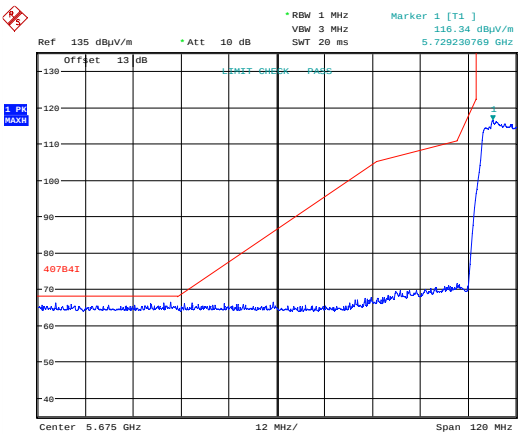
Date: 30. JAN.2018 09:25:07

Band Edge BPSK; 5745 MHz; 19.5 dBm.



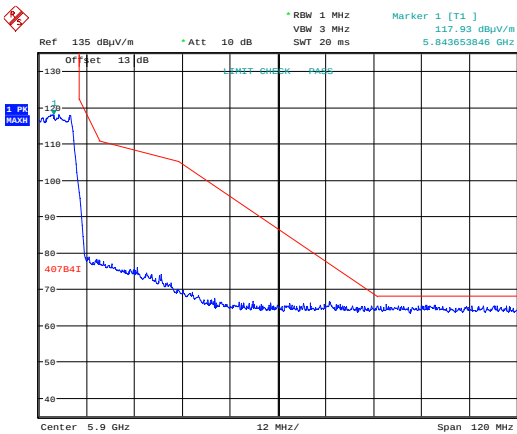
Date: 30. JAN.2018 09:05:58

Band Edge BPSK; 5830 MHz; 19.5 dBm.



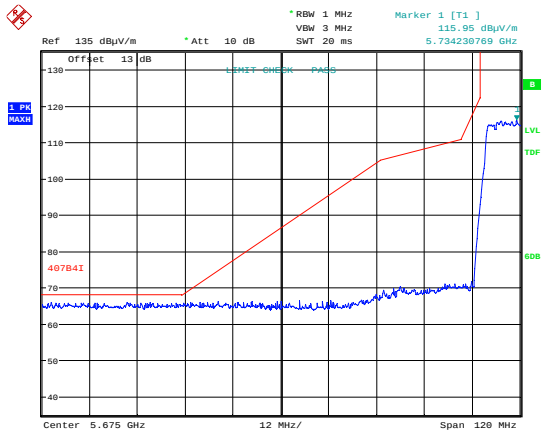
Date: 30. JAN.2018 09:25:48

Band Edge QPSK; 5745 MHz; 19.5 dBm.



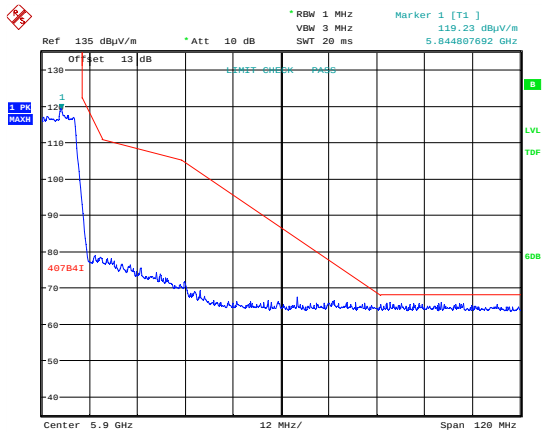
Date: 30. JAN.2018 09:05:27

Band Edge QPSK; 5830 MHz; 19.5 dBm.



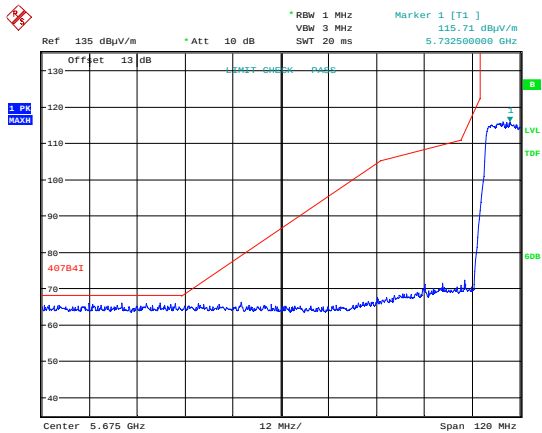
Date: 30.JAN.2018 09:26:58

Band Edge 16 QAM; 5745 MHz; 19.5 dBm.



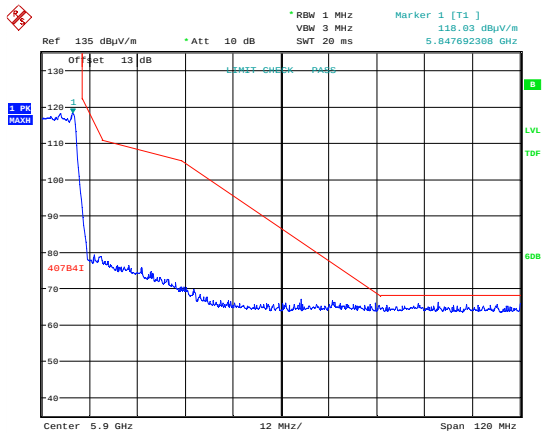
Date: 30.JAN.2018 09:04:54

Band Edge 16 QAM; 5830 MHz; 19.5 dBm.



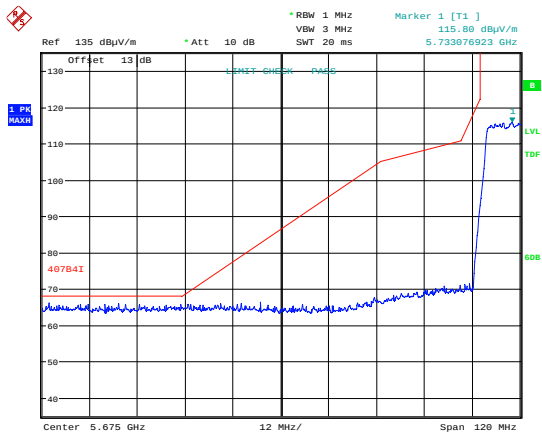
Date: 30.JAN.2018 09:27:25

Band Edge 64 QAM; 5745 MHz; 19.5 dBm.



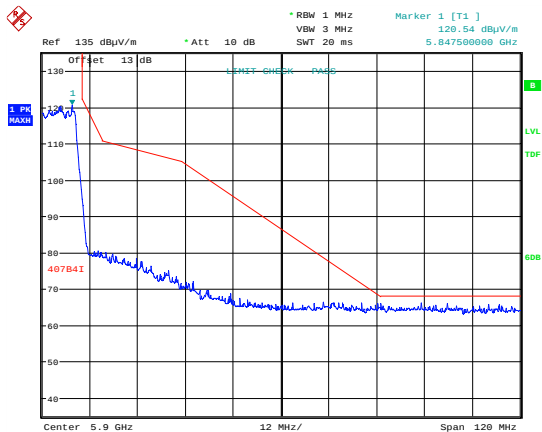
Date: 30.JAN.2018 09:04:24

Band Edge 64 QAM; 5830 MHz; 19.5 dBm.



Date: 30.JAN.2018 09:28:00

Band Edge 256 QAM; 5745 MHz; 19.5 dBm.

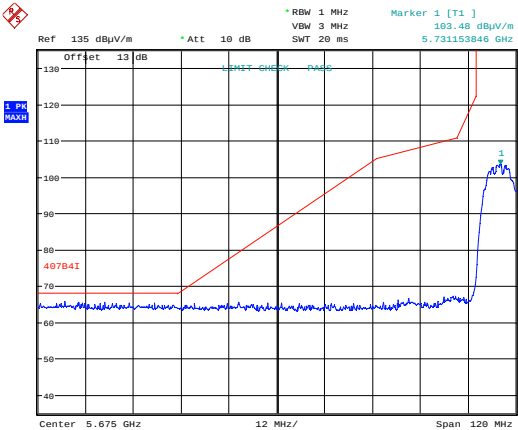


Date: 30.JAN.2018 09:03:49

Band Edge 256 QAM; 5830 MHz; 19.5 dBm.

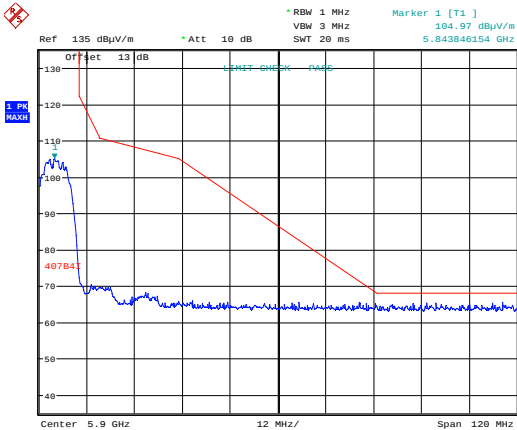
<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5745	19.5
AQU	5830	19.5
BPSK	5745	19.5
BPSK	5830	19.5
QPSK	5745	19.5
QPSK	5830	19.5
16 QAM	5745	19.5
16 QAM	5830	19.5
64 QAM	5745	19.5
64 QAM	5830	19.5
256 QAM	5745	19.5
256 QAM	5830	19.5

45 MHz bandwidth Band Edge compliance (Sector antenna)



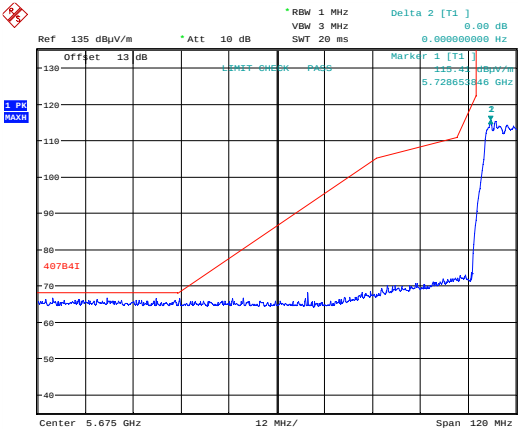
Date: 29. JAN. 2018 17:05:58

Band Edge AQU; 5747.5 MHz; 19.5 dBm.



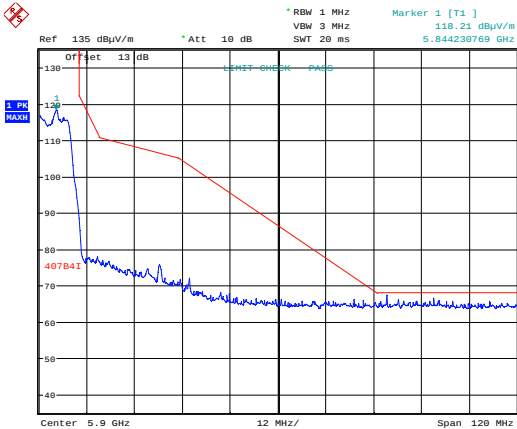
Date: 29. JAN. 2018 17:08:53

Band Edge AQU; 5827.5 MHz; 19.5 dBm.



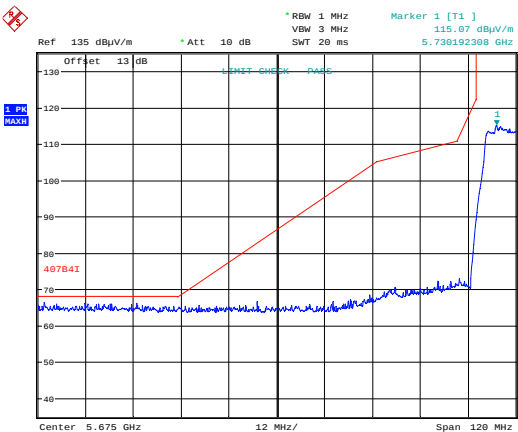
Date: 29. JAN. 2018 13:53:31

Band Edge BPSK; 5747.5 MHz; 19.5 dBm.



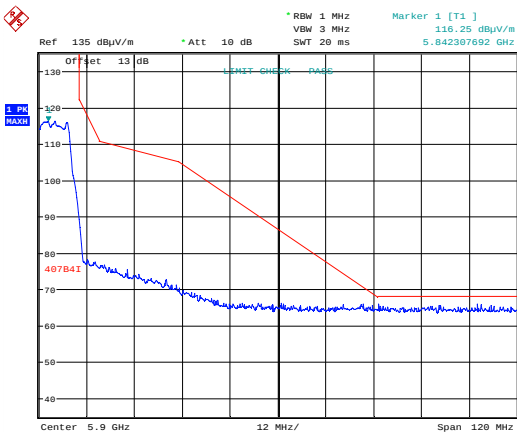
Date: 29. JAN. 2018 14:04:51

Band Edge BPSK; 5827.5 MHz; 19.5 dBm.



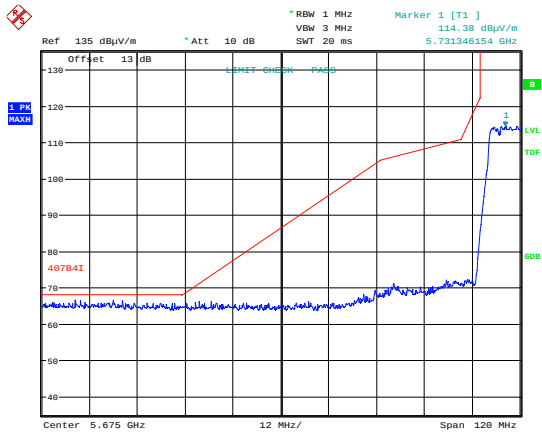
Date: 29. JAN. 2018 13:54:00

Band Edge QPSK; 5747.5 MHz; 19.5 dBm.



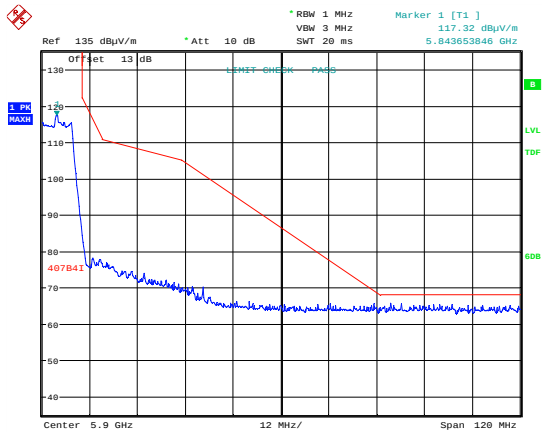
Date: 29. JAN. 2018 14:02:00

Band Edge QPSK; 5827.5 MHz; 19.5 dBm.



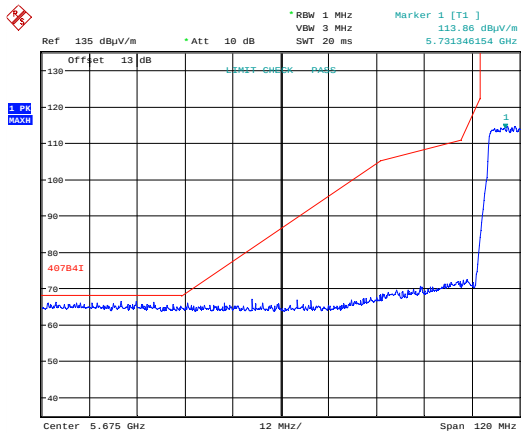
Date: 29. JAN. 2018 13:54:49

Band Edge 16 QAM; 5747.5 MHz; 19.5 dBm.



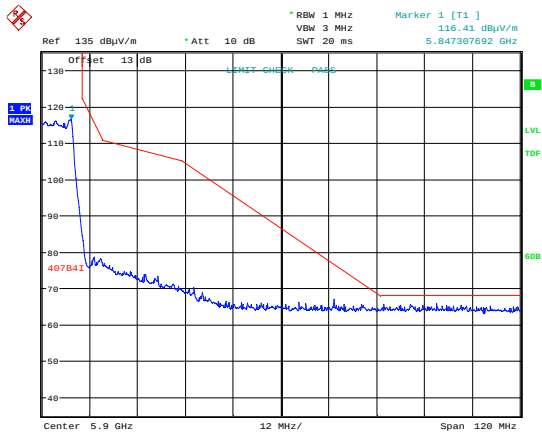
Date: 29. JAN. 2018 14:01:00

Band Edge 16 QAM; 5827.5 MHz; 19.5 dBm.



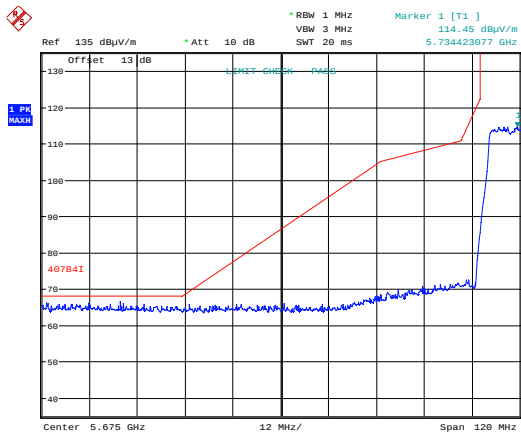
Date: 29. JAN. 2018 13:55:25

Band Edge 64 QAM; 5747.5 MHz; 19.5 dBm.



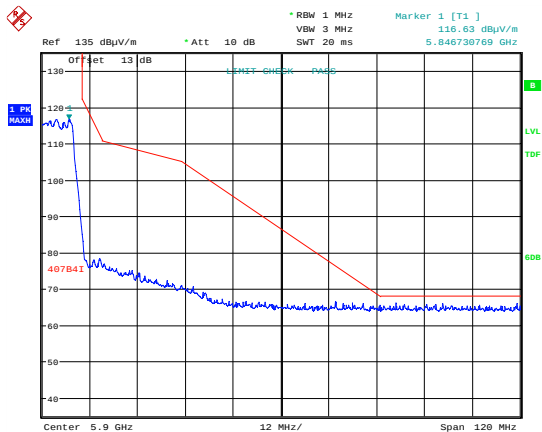
Date: 29. JAN. 2018 14:00:09

Band Edge 64 QAM; 5827.5 MHz; 19.5 dBm.



Date: 29. JAN. 2018 13:55:55

Band Edge 256 QAM; 5747.5 MHz; 19.5 dBm.



Date: 29. JAN. 2018 13:58:50

Band Edge 256 QAM; 5827.5 MHz; 19.5 dBm.

<i>Frequencies and Power setting to comply</i>		
<i>Mod Mode</i>	<i>Frequency (MHz)</i>	<i>Power Setting (dBm)</i>
AQU	5747.5	19.5
AQU	5827.5	19.5
BPSK	5747.5	19.5
BPSK	5827.5	19.5
QPSK	5747.5	19.5
QPSK	5827.5	19.5
16 QAM	5747.5	19.5
16 QAM	5827.5	19.5
64 QAM	5747.5	19.5
64 QAM	5827.5	19.5
256 QAM	5747.5	19.5
256 QAM	5827.5	19.5

17 Measurement Uncertainty

Calculated Measurement Uncertainties

All statements of uncertainty are expanded standard uncertainty using a coverage factor of 1.96 to give a 95% confidence:

[1] Radiated spurious emissions

Uncertainty in test result (30MHz – 1GHz) = **4.6dB**,
Uncertainty in test result (1GHz – 18GHz) = **4.7dB**

[2] AC power line conducted emissions

Uncertainty in test result = **3.4dB**

[3] Occupied bandwidth

Uncertainty in test result = **15.5%**

[4] Conducted carrier power

Uncertainty in test result (Power Meter) = **1.08dB**

[5] Conducted / radiated RF power out-of-band

Uncertainty in test result – Up to 8.1GHz = **3.31dB**
Uncertainty in test result – 8.1GHz – 15.3GHz = **4.43dB**
Uncertainty in test result (30MHz – 1GHz) = **4.6dB**,
Uncertainty in test result (1GHz – 18GHz) = **4.7dB**

[6] Power spectral density

Uncertainty in test result (Spectrum Analyser) = **2.48dB**